

Structure Codes

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STR CD	DESCRIPTION	MSR CODE	DIM 1	DIM 2	SQFT/ Misc	MSR UNITS
AP1	Fence, chain link: Galvanized steel cyclone or chain link with posts and rails.	2	Length	Height	----	Feet
AP2	Fence, picket: Cedar with posts.	2	Length	Height	----	Feet
AP3	Fence, stockade: Deluxe decorative view wood, one side only with posts and rails.	2	Length	Height	----	Feet
AP4	Fence, post and rail: Split cedar with posts and two rails.	2	Length	Height	----	Feet
AP5	Fence, basket weave: Wood with posts and rails.	2	Length	Height	----	Feet
AP6	Fence, ornamental iron: Formed iron bars with posts and rails.	2	Length	Height	----	Feet
AP7	Wall, brick or stone: Retaining wall.	2	Length	Height	----	Feet
AP8	Fence, aluminum chain link: Same design as AP1 but made of aluminum.	2	Length	Height	----	Feet
BB1	Billboard, double pole: Single-face poster panel with wood poles or posts and frame, wood or metal panels.	2	Length	Height	----	Feet
BB2	Billboard, single pole: Single-face or back to back races poster with single-pole steel center mount construction, wood or metal sections or panels.	2	Length	Height	----	Feet
BE1	Bank money vault: A standard poured concrete money vault excluding the door which is inventoried as a separate item.	2 or 3	Length -----	Width -----	Area	Feet Sq Ft
BE2	Bank record vault: A standard record storage vault, excluding door. It mainly provides fire protection.	2 or 3	Length -----	Width -----	Area	Feet Sq Ft
BE3	Door, circular money vault: A high quality circular door, usually made to order.	3	-----	-----	Thick	Inches
BE4	Door, rectangular money vault: An average quality mass produced rectangular door.	3	-----	-----	Thick	Inches
BE5	Door, rectangular record storage: An inexpensive door for a record storage vault. This type of door is mainly to protect from fire and has poor theft protection features.	3	-----	-----	Fire Rating	Hours
BE6	Night deposit chute and box: The opening and storage container.	1	-----	-----	-----	Quantity
BE7	Drive-in window: The window mechanized drawer assembly and communication equipment.	1	-----	-----	-----	Quantity

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BE8	Bank service window: The window, mechanized drawer, and communication equipment for walk-up service.	1	----	----	----	Quantity
BE9	Complete drive-in booth: Consists of bullet proof cage (400 to 600 SF) with rest room and canopy. Used mainly in 24-hour service installations.	1	----	----	----	Quantity
BF1	24-hour walk-up automatic teller.	1	----	----	----	Quantity
BF2	Pneumatic teller: Drive-up, stand-alone teller.	1	----	----	----	Quantity
BH1	Boathouse, one story: Used for the storage of boats. One end has an opening to drive the boat into. The other three walls are enclosed and usually unfinished. These structures generally have electricity but no plumbing. The interior also contains a dock which should be inventoried separately.	2 or 3	Length ----	Width ----	---- Area	Feet Sq Ft
BH2	Boathouse, two story: Similar in construction and attributes to the one story boathouse, except it has rooms on the second floor. These rooms may be slightly finished but not to the extent that they would be as living quarters.	2 or 3	Length ----	Width ----	---- Area	Feet Sq Ft
BH3	Boathouse, two story: Similar to a BH2 except that the second floor is finished and used as living space. This structure may have plumbing.	2 or 3	Length ----	Width ----	---- Area	Feet Sq Ft
BH4	Boathouse, one story dry slip: Used for the storage of non-motorized watercraft. One end has a door where the boats are carried in from. The other three walls are enclosed and usually unfinished.	2 or 3	Length ----	Width ----	---- Area	Feet Sq Ft
BH5	Boathouse, two story dry slip: Similar in construction and attributes to the BH4 except that it has rooms on the 2nd floor. These rooms may be slightly finished but not to the extent that they are living quarters.	2 or 3	Length ----	Width ----	---- Area	Feet Sq Ft
BH6	Boathouse, two story dry slip, second floor finished SFLA: Similar to the BH5 except that the second floor is finished and used as living space. This structure may have plumbing.	2 or 3	Length ----	Width ----	---- Area	Feet Sq Ft

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BH7	Boat shelter: Similar to a boathouse except the sides are not enclosed. These are generally pole type structures with a roof and surrounded by crib docks. Better quality structures may have a deck areal on top. The crib docks should be collected separately (see DK2).	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
BK1	Bulkhead, Concrete: A bulkhead is built to retain soil or water. It is commonly used to support soil against erosion. They are used for bridge abutments, docks, and other similar applications. The depth is assumed normally to be eight feet, unless otherwise described.	2	Length	Height	-----	Feet
BK2	Bulkhead, Steel: A bulkhead is built to retain soil or water. It is commonly used to support soil against erosion. They are used for bridge abutments, docks, and other similar applications. The depth is assumed normally to be eight feet, unless otherwise described.	2	Length	Height	-----	Feet
BK3	Bulkhead, Wood: A bulkhead is built to retain soil or water. It is commonly used to support soil against erosion. They are used for bridge abutments, docks, and other similar applications. The depth is assumed normally to be eight feet, unless otherwise described. The construction styles all rely on a tongue and groove construction for support, availability, and water or solid extension.	2	Length	Height	-----	Feet
CC1	Cabin/bungalow: Few amenities, few conveniences, constructed of minimum quality materials.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
CP4	Canopy, picnic shelter: Typical shelters are square or rectangular and are made of wood. They have broad open sides and usually no center posts and are built on concrete slabs. They usually contain enclosures for restrooms and/or small outdoor kitchen facilities.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
CP5	Canopy, roof only: A residential quality canopy or possibly a roof extension.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
CP6	Canopy, with slab: The same as CP5 but with a slab for walking or driving on.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft

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CP7	Canopy with slab and screens: Basically a screened in porch with a concrete floor instead of wood.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
CP8	Canopy, commercial steel: A commercial quality canopy on a steel frame, possibly a roof extension.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
CP9	Canopy, commercial wood: A commercial quality canopy on a wood frame, possibly a roof extension.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
DK1	Stake dock: Constructed of poles in the lake bed or river bed connected by stringers and covered by docking. The docking is usually removed in winter to prevent damage. Construction is generally of wood and a common width is 4 feet.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
DK2	Dock, crib: A series of pressure treated wood cribs filled with rocks and covered by decking. Forty percent of the dock must be open underneath so that fish can swim through. May be found inside boat houses, boat shelters, or in the open.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
DK3	Dock, embedded: Constructed of steel, wood or concrete poles embedded in the water's floor, connected by stringers and covered by decking. This is similar to a DK1, except that the poles are embedded in the bottom and the decking is not removed in the winter. Construction is generally made of wood and a common width is 4 feet.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
DT1	Drive-in theater screen: A standard type screen, typically painted wood or light steel framing.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
EL1	Elevator, electric freight: A typical 4500 pound capacity, 100 foot per minute freight elevator.	2	# of Stops	Capacity (lbs.)	-----	
EL2	Elevator, electric passenger: A typical 3500 pound capacity, 500 foot per minute, 6' x 9' self-service passenger elevator.	2	# of Stops	Capacity (lbs.)	-----	
ES3	Escalator: A modern 30 degree angle escalator capable of carrying 5000 to 8000 people per hour.	2	Height	Step Width	-----	Feet

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FB1	Barn, one story dairy: These barns are equipped with rows of cow stanchions, cups, and stalls. Floors are concrete with gutters. The base cost includes stanchions, cups, stalls, concrete floor, electric wiring, lights, insulation, and mechanical ventilation.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FB2	Barn, one and one-half story dairy: Same as FB1, except with a half story of storage above for use as a haymow.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FB3	Barn, two story dairy: Same as FB1, except with a full second story area for use as a haymow.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FB4	Barn, one story general purpose: These barns have minimum stalls or pens often for young stock, beef cattle or sheep. The base schedule includes minimum pens, concrete floor, electric wiring, and lights.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FB5	Barn, one and one-half story general purpose: Same as FB4, except with half a story of storage above for use as a haymow.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FB6	Barn, two story general purpose: Same as FB4, except with a full second story of storage for use as a haymow.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FB7	Barn, pole: A one story large area barn with roof rafters or trusses supported by poles and lacking a foundation. They have come into wide use due to their economy of construction. They may be used to house livestock, poultry, or general farm use. The base cost includes concrete floor, electric wiring, and lights.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FB8	Barn, horse: Usually a small one-story wood frame barn with double pitched roof. The building may have a small loft overhead for storage. The base cost includes concrete floor, electric wiring, and lights.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft

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FB9	Swine barn: This structure is used as housing for hogs. Normally this structure has multiple uses: breeding, furrowing, and growing - all occur under one roof. Included in the base costs are: concrete walls 9 to 10 feet in height, painted wood truss roof or shed design, insulated walls and ceiling ventilation systems varied by cost, aluminum or painted steel siding, 4" to 6" poured concrete floor, electrical wiring, and lighting.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FC1	Shed, machinery: A small one-story wood shed used for storage. The base price excludes any wiring, plumbing or floor.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FC2	Shed, aluminum: A small one-story pre-fabricated shed used for storage. The base price excludes any wiring, plumbing, or floor.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FC3	Shed, galvanized: A small shed similar to FC2, but made of galvanized sheet steel instead of aluminum.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FC4	Shed, finished metal: A small one-story metal shed used for storage or as a shop. The base price includes exterior walls of heavy metal with a baked-on finish, a masonry floor, a foundation, and wiring for lights.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FC5	Commodity Shed: Three sided shed with reinforced concrete walls, and a tall roof designed and used for the storage of grains, feed grains and other feed components which may have a flat or conical bottom and is designed specifically for on farm storage.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FM1	Milk house: Small, separate structure used for cooling and holding milk for shipment. The base price includes concrete floor, electric wiring, and necessary plumbing. The milk tank is not included and should not be inventoried.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FM2	Milking parlor: Separate structures wherein dairy cows are milked, the milk is cooled, and the equipment is cleaned and washed. The base price includes concrete floor, necessary plumbing, and electric wiring. Milking parlor stalls are not included in the base price.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FM3	Milk house in barn: Similar to FM1 except shares at least one common wall with main barn.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft

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FM4	Milking parlor in barn: Similar to FM2 except shares at least one common wall with main barn.	2 or 3	Length -----	Width -----	 Area	Feet Sq Ft
FM5	Milking stalls: Milking stalls within the milking parlor (either the FM2 or FM4).	1	-----	-----	-----	Quantity
FM6	Milking stalls, rotary: A rotary stall carousel designed to hold 25-85 cows for the purpose of milking. Cows are loaded one at a time onto the platform that slowly rotates. By the time the platform has completed almost a full rotation, the milking cups are removed and the cows are backed off the platform.	1	-----	-----	-----	Quantity
FM7	Bulk Milk Storage: Temporary on the farm cooling and storage of raw milk, prior to tanker truck transfer to the milk processing plant. Tanks are made of stainless steel and include automatic washer.	3 or 4	----- Value	----- -----	Capacity -----	Gallons Dollars
FP1	One story poultry house: Barracks type one story structure used to house poultry. Walls and ceilings are insulated and there are many windows. Base price includes concrete floor, walls and ceiling insulation, and electric wiring with no forced air ventilation.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FP2	Two story poultry house: Similar to FP1 except structure is two stories high.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FP3	Additional-story poultry house: Similar to FP1 except structure is greater than two stories high.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FQ3	Quonset, arch-rib: Hoop arch buildings are characterized by combustible, prefabricated, wood-post and tubular-steel, semi-circular (hoop: Quonset shape), framed roofs that curve to a short wooden or concrete pony wall, or to the ground. The roof and walls are generally covered with canvas or a woven vinyl tarp. Ground floors are typically dirt or can be a concrete slab.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft

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FQ4	Air supported structure (or air-inflated structure): Any structure that derives its structural integrity from the use of internal pressurized air to inflate a pliable material (i.e., structural fabric) envelope, so that air is the main support of the structure. It is usually dome-shaped, since this shape creates the strongest structure for the least amount of material. All access to the structure interior must be equipped with two sets of doors or revolving door (airlock). Air-supported structures are secured by heavy weights on the ground, ground anchors, attached to a foundation, or a combination of these.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FQ5	Quonset hut: A pre-cut arch rib frame steel structure which is free from interior support posts. The base costs include a concrete floor and electric wiring but no heating or plumbing.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
FS1	Concrete stave silo: Farm silo constructed of concrete staves. Base price includes roof and ladder but no bottom unloader.	2	Height	Diameter	-----	Feet
FS2	Harvestore silo: Prefabricated glass lined steel silo with bottom unloader included in base price.	2	Height	Diameter	-----	Feet
FS3	Wood stave silo: Similar to FS1 except constructed of wood staves.	2	Height	Diameter	-----	Feet
FS4	Tile or concrete block silo: Similar to FS1 except constructed of tiles or concrete blocks.	2	Height	Diameter	-----	Feet
FS5	Metal silo: Similar to FS1 except constructed of metal.	2	Height	Diameter	-----	Feet
FS6	Steel storage bin: Base price of storage bin includes a concrete base, metal exterior wall and roof, access and fill hatches, crawl door, and ladder.	2	Height	Diameter	-----	Feet
FT1	Concrete wall bunker silo: Lowest cost farm silo consisting only of wall sections and supports. Walls are concrete with either concrete pillar type supports wooden railroad ties, or both. Assumed height 8'; width is assumed to be 32' wide. Base includes concrete floor.	3	-----	-----	Length	Linear Ft (Walls)

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STR CD	DESCRIPTION	MSR CODE	DIM 1	DIM 2	SQFT/ Misc	MSR UNITS
FT2	Treated wood wall bunker silo: Similar to FT1 except composed of 6'-12' posts with wood planking secured steel U-bolts or U-straps. The width is assumed to be 32' wide. Base cost includes concrete floor.	3	----	----	Length	Linear Ft (Walls)
GB1	Gazebo, standard: Typical gazebos are octagon and can be made out of any building material (wood, steel, plastic, etc.). These commonly have broad open sides with a railing and no center post. The roofs are hip or mansard style which is supported by posts. These units can have a floor or can be placed on the ground.	3	----	----	Diameter	Feet
GB2	Gazebo, deluxe: Similar to a GB1 except that these commonly are enclosed with doors and are generally larger than the standard. These units may have electric and plumbing and generally have a floor.	3	----	----	Diameter	Feet
GC2	Simple designed golf course: 18 holes on 110 acres, 6900 yards long, par 67 on flat terrain, few bunkers, small tees. Base price is per hole.	1	----	----	Quantity	Holes
GC3	Typical private club golf course: 18 holes on 130 acres, 6500 yards long, par 70 on undulating terrain, bunkers at most greens, some large trees moved in or clearing of some wooded areas, driving range.	1	----	----	----	Quantity # of holes
GC4	Championship golf course: 18 holes on 160 acres, 6900 yards long, par 72 on undulating terrain, fairway and greens bunkered and contoured, large tees and greens, large trees transplanted.	1	----	----	----	Quantity # of holes
GC7	Pitch and putt course: A typical par 3. The base price is per hole.	1	----	----	----	Quantity # of holes
GC8	Driving range: A typical driving range. The base price is per hole.	1	----	----	----	Quantity # stations
GC9	Miniature golf course: A typical quality miniature golf course. The base price is per hole.	1	----	----	----	Quantity # of holes
GH2	Greenhouse, residential: Base price includes wooden or metal frame, foundation, heating, lighting, plumbing, glass or fiberglass walls and roof.	2 or 3	Length ----	Width ----	---- Area	Feet Sq Ft

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STR CD	DESCRIPTION	MSR CODE	DIM 1	DIM 2	SQFT/ Misc	MSR UNITS
GH3	Steel frame commercial greenhouse: Base price includes steel frame, foundation, lighting, plumbing, glass or fiberglass 5-7 foot walls and roof vents.	2 or 3	Length ----	Width ----	----- Area	Feet Sq Ft
GH4	Wood frame commercial greenhouse: Similar to GH3, except framed with wood.	2 or 3	Length ----	Width ----	----- Area	Feet Sq Ft
GH5	Aluminum frame commercial greenhouse: Similar to GH3, EXCEPT framed with aluminum.	2 or 3	Length ----	Width ----	----- Area	Feet Sq Ft
GL1	Grain loading equipment: Elevator type device generally surrounded by steel storage bins (FS6). Base price includes: receiving hopper and auger, elevator (conveyor), drive units, consignor, downspouts, ladders and platforms, grain retarders, grain cleaners, cushion boxes, valves and controls.	2	Height (Feet)	Capacity (Bushels/Hr)	-----	Feet
GN1	Generator, built-in, residential: Generally used to power up a house during a black out. These models are fused into the residence electrical panel and automatically switch on during power outages. These models differ considerably in wattage and price when compared to portable units. These emergency generators usually come in wattages of 3,000 to 17,500. The higher wattage generators can handle all the appliances in a home simultaneously (i.e., stove, refrigerator, washer, dryer, lights, etc.).	3	----	----	Watts	Watts
GN2	Generator, built-in, commercial: Similar to a GN1 except that commercial/industrial generators can provide extremely high level of power for long periods of time. These models are fused into the electrical panel and automatically switch on during power outages. There are also many options such a noise reduction and cooling systems.	3	----	----	Watts	Watts
KO1	Kitchen, outdoor: Full service counter/prep stations that are housed outdoors in porch type structures or on decks/patios. They include full size grill, sink and refrigerator, as well as the option for additional items (i.e., pizza oven, wine cooler, etc.). There is full electric, gas and water built into the structure.	3	----	----	Length	Feet

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LD1	Loading dock, wood: A common commercial style wood on heavy wood beam loading dock.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
LD2	Loading dock, steel or concrete: Heavy duty commercial loading dock.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
LP1	Paving, concrete: Concrete paving of roads including the base and site preparation. (If thickness is left blank, the cost program will default to 6 inches).	2 or 3	Area (Sq Ft) -----	Thickness (Inches) -----	----- Area	Sq Ft Sq Ft
LP2	Walks, concrete: Concrete paving of walkways including the minor site preparation, but no base. (If thickness is left blank, the cost program will default to 4 inches).	2 or 3	Area (Sq Ft) -----	Thickness (Inches) -----	----- Area	Sq Ft Sq Ft
LP3	Patio, concrete: Concrete paving of patios including minor site preparation, but no base. (If thickness is left blank the cost program will default to 4 inches).	2 or 3	Area (Sq Ft) -----	Thickness (Inches) -----	----- Area	Sq Ft Sq Ft
LP4	Paving, asphalt: Asphalt paving of roads including site preparation and base. (If thickness is left blank, the cost program will default to 4 inches).	2 or 3	Area (Sq Ft) -----	Thickness (Inches) -----	----- Area	Sq Ft Sq Ft
LP5	Walks, asphalt: Asphalt paving of walkways including minor site preparation, but no base. (If thickness is left blank, the cost program will default to 2 inches).	2 or 3	Area (Sq Ft) -----	Thickness (Inches) -----	----- Area	Sq Ft Sq Ft
LP6	Patio, asphalt: Asphalt paving of patios including minor site preparation, but no base. (If thickness is left blank, the cost program will default to 3 inches).	2 or 3	Area (Sq Ft) -----	Thickness (Inches) -----	----- Area	Sq Ft Sq Ft
LP7	Patio, flagstone: Slate flagstone on a sand base including minor site preparation.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
LP8	Patio, flagstone in concrete: Concrete paving of patios with inlaid slate surfacing including minor site preparation, but no base.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
LP9	Patio, brick: Brick on a sand base including minor site preparation.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft

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LR1	Spa and/or hot tub: Attached/built-in allows for easy entry, stepping into the water from deck or seating level. Built-ins are able to use gas heating equipment, not being reliant on costly electrical power, as portables are. Custom installations locate equipment away from the tub, eliminating the sound of operation. Portables have noisy equipment underneath the box.	3	----	----	Area	Sq Ft
LR2	Pool house, standard: A structure which may contain equipment used for a swimming pool, a place to change or towel off after a swim, an open air enclosure for a hot tub, additional storage, a bathroom, and/or a social area. Limited amenities.	2	Length	Width	----	Feet
		3	----	----	Area	Sq Ft
LR3	Pool house, deluxe: In addition to the features of the LR2, this structure contains all the features of a small house with a complete small kitchen, bedroom and bath (full service electric and plumbing).	2	Length	Width	----	Feet
		3	----	----	Area	Sq Ft
LS1	Pool, steel vinyl: An in-ground swimming pool with flexible vinyl liner. Base cost includes filtering system and circulating pump.	2	Length	Width	----	Feet
		3	----	----	Area	Sq Ft
LS2	Pool, fiberglass: An in-ground swimming pool with rigid fiberglass shell over concrete, concrete block, or wood wall. Base cost includes filtering system, circulating pump, chlorinator, and diving board.	2	Length	Width	----	Feet
		3	----	----	Area	Sq Ft
LS3	Pool, poured concrete: An in-ground swimming pool made of pre-cast concrete or concrete poured in forms. Base cost includes filtering system, circulating pump, chlorinator, and diving board.	2	Length	Width	----	Feet
		3	----	----	Area	Sq Ft
LS4	Pool, gunite: An in-ground swimming pool consisting of a pneumatically applied mixture of concrete over a steel mesh frame. This is a premium type pool and can be found in many shapes. Base cost includes filtering system, circulating pump, chlorinator, and diving board.	or	----	----	Area	Sq Ft
		3				
LS5	Pool, above ground: An above ground swimming pool consisting of a steel or aluminum panel with wall braces and vinyl liner. Base cost includes filtering system and circulating pump.	2	Length	Width	----	Feet
		3	----	----	Area	Sq Ft

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LS6	Pool, endless lap: A small pool, generally around 7' x 14' x 39" deep, that features directional jets or a power wheel designed to provide a smooth wide and deep current to give an aquatic exercise experience (swim-in place, walk-in place, and other aqua therapy). Some may also be equipped with a motorized treadmill.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
LS7	Pool, infinity edge (also known as negative edge, zero edge, disappearing edge or vanishing edge pool): A swimming or reflecting pool which produces a visual effect of water extending to the horizon, vanishing, or extending to "infinity."	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
LS8	Pool, concrete wading: An in-ground concrete wading pool, average 3' deep. The base cost includes filtering system and circulating pump.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
LS9	Pool, motel type: A commercial quality in-ground, poured concrete swimming pool. The base cost includes filtering system, circulating pump, chlorinator, heater, and diving board.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
LT1	Floodlight, mercury vapor: An industrial quality outdoor, wall-mounted assembly consisting of ballast, lamp fixture and lamp.	3	-----	-----	Power Rating	Watts
LT2	Floodlight, incandescent: An industrial quality, outdoor wall mounted assembly consisting of lamp fixture and lamp.	3	-----	-----	Power Rating	Watts
LT3	Streetlight, fluorescent: Consists of steel or aluminum pole lamp fixture, support arm for fixture, fluorescent lamp, and ballast.	3	-----	-----	Pole Height	Feet
LT4	Streetlight, incandescent: Consists of steel or aluminum pole, lamp fixture, support arm for fixture, and incandescent lamp.	3	-----	-----	Pole Height	Feet
LT5	Streetlight, mercury vapor: Consists of steel or aluminum pole, lamp fixture, support arm for fixture, mercury vapor lamp, and ballast.	3	-----	-----	Pole Height	Feet

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LW1	In-ground water feature: A water feature is typically a spitter or decorative fountain that sits atop an underground reservoir that keeps recirculating water. These fountains can be customized to create a water feature in the landscape using ceramic urns, brass sculptures and/or carved stone structures, etc.	3	----	----	Diagonal	Inches
MH1	Manufactured housing basement area: Cost is calculated based on the square footage of basement area under the mobile home.	2 or 3	Length ----	Width ----	---- Area	Feet Sq Ft
MH2	Mobile home roof: An extension of the factory built roof. Cost is calculated based on the square footage of the roof area constructed at the site.	2 or 3	Length ----	Width ----	---- Area	Feet Sq Ft
MH5	Mobile home: Base cost includes bath, built-in kitchen, central heat, built-in furniture and some carpeting. It also includes delivery, set-up charges, and ordinary service connections. It does not include foundations, skirts, or site development.	2	Length (Length must be in DIM 1)	Width (Width must be in DIM 2)	----	Feet
MH6	Mobile home 7' x 12' add-on room: Factory manufactured room of same quality, construction, and attributes as the mobile home.	1	----	----	----	Quantity
MH7	Mobile home 7' x 24' add-on room: Similar to MH6, except larger.	1	----	----	----	Quantity
MH8	Mobile home tip-out room: Factory manufactured room which is shipped tucked into the mobile home and is tipped out when set up on location	1	----	----	----	Quantity
MH9	Mobile home wood framed add-on room: Usually constructed on-site with siding, roofing, and interior compatible with the mobile home.	2 or 3	Length ----	Width ----	---- Area	Feet Sq Ft
MP1	Manure pit, concrete: Concrete tanks used to store manure for fertilizer. Base price includes 6"-8" wide reinforced poured concrete walls and the manure pit roof.	2 or 3	Length ----	Width ----	---- Area	Feet Sq Ft
MP2	Manure pit, metal: Metal tanks used to store manure for fertilizer. Base price includes concrete foundation and floor. The walls are made of large blue-coated steel panels with glass fused to the steel.	2	Height	Diameter	----	Feet

Structure Codes

Section APP-B

STR CD	DESCRIPTION	MSR CODE	DIM 1	DIM 2	SQFT/ Misc	MSR UNITS
MS1	Miscellaneous structure: A code to describe an item which either has no code or which is being lump-sum valued. For example, an industrial property may have special real property equipment (such as extra boilers) for which there is no code. Also, a property may have some low improvements, or even buildings, which the user wants to give a lump sum value. In either case, the value must be manually calculated and entered under the primary dimension (DIM1) on card. A notation describing the structure(s) should be made in the notes area on the card.	4	Value	----	----	Dollars
OF1	Outdoor Furnace: An outdoor wood-fired boiler used as a heating system. They are generally small shacks with metal siding. They are self-contained and are only connected to the building they heat through underground insulated water pipes. They contain a metal combustion chamber for a wood fire, which is surrounded by a water tank or water jacket.	3	----	----	Gallons	Gallons
OH1	Overhead door, commercial: Complete cost of a heavy-duty wood overhead door. (Check model for percentage inclusion in base costs).	2 or 3	Length ----	Width ----	---- Area	Feet Sq Ft
OH2	Overhead door: Complete cost of a standard residential quality wood overhead door.	2 or 3	Length ----	Width ----	---- Area	Feet Sq Ft
OH3	Overhead door, steel: This is a commercial grade non-insulated sectional steel overhead door.	2 or 3	Length ----	Width ----	---- Area	Feet Sq Ft
RC1	Carport, residential type: The base price includes a single pitched roof, poles or columns to support the roof, and a concrete pad.	2 or 3	Length ----	Width ----	---- Area	Feet Sq Ft
RG1	Garage, one story attached: A residential-type garage which shares at least one common wall with the house. The base price includes a foundation, masonry floor, and lights. There is no interior finish.	2 or 3	Length ----	Width ----	---- Area	Feet Sq Ft
RG2	Garage, one and one-half story attached: Similar to RG1, except having an unfinished half story attic area.	2 or 3	Length ----	Width ----	---- Area	Feet Sq Ft

Structure Codes

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STR CD	DESCRIPTION	MSR CODE	DIM 1	DIM 2	SQFT/ Misc	MSR UNITS
RG3	Garage, two story attached: Similar to RG1, except with a full unfinished second story used for storage.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
RG4	Garage, one story detached: A residential-type garage which is not connected to any other buildings	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
RG5	Garage, one and one-half story detached: Similar to RG4, but with an unfinished half story attic area.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
RG6	Garage, two story detached: Similar to RG4, but with a full unfinished second story used for storage.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
RG7	Garage with an apartment: Detached garage with vehicle storage on the first floor and living space on the second floor. The first floor interior finish should be comparable to a 1 story garage and the second floor should have typical residential grade finish and attributes.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
RN2	Walk-in cold room: Between 8 and 12 feet high. Base price includes framing, insulation, and mechanical equipment.	2	Area (Sq Ft)	1,2,3,4 Degree Code (note below)	-----	
RN6	Warehouse with cold storage: Area between 18 and 25 feet high. The base price includes framing, insulation and mechanical equipment.	2	Area (Sq Ft)	1,2,3,4 Degree Code (note below)	-----	
RP1	Porch, open: A porch consisting of a wood floor.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
RP2	Porch, covered: A porch consisting of a wood roof over a wood floor	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
RP3	Porch, screen: A porch consisting of a wood roof over a wood floor on piers with screen walls.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft

NOTE: Degree Code

- 1 = 40° to 55°F
- 2 = 20° to 30°F
- 3 = -10° to 20°F
- 4 = -30° to -40°F

Structure Codes

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STR CD	DESCRIPTION	MSR CODE	DIM 1	DIM 2	SQFT/ Misc	MSR UNITS
RP4	Porch, enclosed: A porch consisting of a wood roof over a wood floor with wood walls. It differs from living area because it has no interior finish or utilities. It is usually of cheaper construction than the dwelling.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
RP5	Porch, upper open: Similar to the RP1 but found on the upper story of the dwelling. If there is another porch beneath it, it must be inventoried as another improvement record.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
RP6	Porch, upper covered: Similar to the RP2 but found on the upper story of the dwelling. If there is another porch beneath it, it must be inventoried as another improvement record.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
RP7	Porch, upper screened: Similar to the RP3 but found on the upper level of the dwelling. If there is another porch beneath it, it must be inventoried as another improvement record.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
RP8	Porch, upper enclosed: Similar to the RP4 but found on the upper level of the dwelling. If there is another porch beneath it, it must be inventoried as another improvement record.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
SG1	Sign, single face time and temperature: An automatic system to display the time and temperature in electronic numerals. This type of system is usually mounted on the side of a building and includes the display board and all associated control equipment.	1	-----	-----	-----	Quantity
SG2	Sign, double face time and temperature: A similar type of system as SG1 but mounted on a pole or pedestal.	1	-----	-----	-----	Quantity
SG3	Sign, rotator: Complete system similar to SG2, except on a rotating pole or pedestal. The base cost includes the display boards, all associated control equipment, the pole or pedestal (with bearing assembly for rotation), and the rotator motor.	1	-----	-----	-----	Quantity
SN1	Sign, single face neon: A common type neon sign including the transformer.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
SN2	Sign, double face neon: A common type neon sign. The base cost includes two neon signs, a divider and support assembly, and the transformer.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft

Structure Codes

Section APP-B

STR CD	DESCRIPTION	MSR CODE	DIM 1	DIM 2	SQFT/ Misc	MSR UNITS
SN3	Sign, single face plastic: An inexpensive plastic cover with plastic letters over a light frame with an interior light. This type of sign is usually building mounted.	2 or 3	Length ----	Width ----	----- Area	Feet Sq Ft
SN4	Sign, double face plastic: Similar to SN3, except with two faces and mounted on a pole.	2 or 3	Length ----	Width ----	----- Area	Feet Sq Ft
SN5	Sign, single face wood: An inexpensive single face painted sign on wood with minimal floodlighting. This type of sign is usually building mounted.	2 or 3	Length ----	Width ----	----- Area	Feet Sq Ft
SN6	Sign, double face wood: Similar to SN5, except with two faces and usually pole mounted.	2 or 3	Length ----	Width ----	----- Area	Feet Sq Ft
SN7	Sign, single face metal: An inexpensive single face sign painted on sheet metal with minimal floodlighting. This type of sign is usually building mounted.	2 or 3	Length ----	Width ----	----- Area	Feet Sq Ft
SN8	Sign, double face metal: Similar to SN7, except with two faces and usually pole mounted.	2 or 3	Length ----	Width ----	----- Area	Feet Sq Ft
SP1	Solar Panels, water: Solar collectors are installed on a roof. With a two-tank system, cold water is fed through the collector, which pre-heats the water. In a one-tank system, a conventional heater is combined inside the solar storage tank.	3	----	----	Gallons	Gallons
SP2	Solar Panels, electric, photovoltaic: Solar panels consist of cells that generate electricity from sunlight. Solar panels are typically installed on the roof. Excess power is fed back to the grid, and the power company credits the property's account.	3	----	----	Kilo-watts	Kilo-watts
TC1	Tennis court, residential: Base price includes asphalt or concrete playing surface, total fence enclosure, some lights, nets, posts, and striping.	2 or 3	Length ----	Width ----	----- Area	Feet Sq Ft
TC2	Tennis court, residential: Base price includes asphalt playing surface, minimum enclosure, no lights, net, posts, and striping.	2 or 3	Length ----	Width ----	----- Area	Feet Sq Ft

Structure Codes

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STR CD	DESCRIPTION	MSR CODE	DIM 1	DIM 2	SQFT/ Misc	MSR UNITS
TC3	Tennis court, residential: Base price includes asphalt playing surface, backstops with minimum screening, no lights, net posts, and striping.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
TC4	Tennis court, residential: Base price includes grass or sod playing surface, back stops, no lights, net, posts, and striping.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
TC5	Tennis court, clay: Base price includes clay playing surface, total fence enclosures (8-12 foot tall), court lights mounted on poles, net posts, and striping.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
TC6	Tennis court, asphalt: Similar to TC5 except with asphalt surface.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
TC7	Tennis court, cork: Similar to TC5 except with rubber cork surface.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
TC8	Tennis court, concrete: Similar to TC5 except with concrete surface.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
TC9	Tennis court, synthetic: Similar to TC5 except with synthetic surface.	2 or 3	Length -----	Width -----	----- Area	Feet Sq Ft
TK1	Steel tank with tower: A welded steel tank mounted on a steel tower. The base price includes the tank, the tower (measured to the bottom of the tank), footings, balcony, railways, pipe to ground, valve, and indicator gauge.	2	Capacity	Height (Ft)	-----	Gallons
TK2	Wood tank with tower: Similar to TK1 except constructed with wood.	2	Capacity	Height (Ft)	-----	Gallons
TK3	Petroleum storage tank: Welded steel tank erected on sand or gravel with steel ring curb. Price includes foundation, cone roof and supports, outside ladder, roof shell manholes, and roof vent.	3	-----	-----	Capacity	Barrels
TK4	Underground fuel tank: Welded steel tank installed underground. Price includes fittings, excavation, and backfill.	3	-----	-----	Capacity	Gallons
TK5	Vertical bulk storage tank: Price includes foundation, fittings, and roof.	3	-----	-----	Capacity	Gallons

Structure Codes

Section APP-B

STR CD	DESCRIPTION	MSR CODE	DIM 1	DIM 2	SQFT/ Misc	MSR UNITS
TK6	Horizontal bulk storage tank: Price includes saddles or legs, fittings, and foundation.	3	----	----	Capacity	Gallons
TK7	Propane storage tank: Above ground, high pressure storage tanks, including piping and support cradle.	3	----	----	Capacity	Gallons
TK8	Concrete surface reservoir: The base price includes foundation, dome roofs, and typical tank ancillaries.	3	----	----	Capacity	Gallons
TK9	Welded steel surface reservoir: The base price includes typical ancillaries such as roof, ladder, and fittings.	3	----	----	Capacity	Gallons (Thousand)
TL1	Underground Fuel Tank: Fiberglass construction, installed underground. Price includes piping, fill boxes and vents.	3	----	----	Capacity	Gallons
TP1	Mobile Home Pad: Cost for organized commercial mobile home park from the cheap transient park to the high quality design for permanent living. Costs included in the per space figure include the following: Engineering, grading, street paving, patios and walks, sewer, water, gas and electrical.	1	----	----	----	Quantity (Pads)
TW1	Tower, Guyed: This type of tower is supported by cable guy wires and is most commonly used in radio, television, and microwave applications. In general, the distance between the legs will increase as the height of the tower or the number of dishes increases. Guyed towers require two variables to be collected, the width of the tower and its height.	3	----	----	Height	Feet
TW2	Tower, Free: This type of tower is free standing with a metal frame design and is most commonly used in radio, television, and microwave applications. Self-supporting towers require the collection of the tower height only.	3	----	----	Height	Feet
TW3	Tower, Monopole: This type of tower is a free standing structure. Monopole towers are most commonly used in cellular telephone and personal communication service (PCS) applications.	3	----	----	Height	Feet

Structure Codes

Section APP-B

STR CD	DESCRIPTION	MSR CODE	DIM 1	DIM 2	SQFT/ Misc	MSR UNITS
WB1	Fireplace, zero clearance: Zero clearance fireplaces are factory built units made from sheet metal or cast iron. Zero clearance fireplaces are so named because they are sufficiently insulated to be installed within close proximity of walls or wood framework without requiring a masonry foundation.	1	----	----	----	Quantity
WB2	Fireplace, masonry construction: A fireplace that is constructed of brick, stone and/or concrete block. A chimney made of brick or stone is attached at the top to vent combusted by-products from the dwelling.	1	----	----	----	Quantity
WB3	Fireplace, free standing: Referred to as "fake fire" or gas fireplace. These fireplace units are free standing, requiring no chimney and no hearth.	3	----	----	BTU's	BTU's
WB4	Fireplace, outdoor: An outdoor fireplace similar to a WB2, but is used for building fires away from a house or commercial building. Similar in construction to WB2, an outdoor fireplace is usually added to a stone, brick or concrete patio.	3	----	----	Length	Inches
WT1	Wind Turbine, residential: This wind turbine converts wind into electricity for residential purposes. When the wind blows, the propeller turns and the alternator begins to produce electricity. The major difference between residential and commercial generators is gearing, which is not an option for residential turbines due to the small generators used, the weight, cost and size.	3	----	----	Watts	Watts
WT2	Wind Turbine, commercial: Very similar to a WT1, except for the size and capacity of the wind turbine. The primary difference is the ability to modify the gearing of the commercial wind turbines which enable the blades to turn relatively slow.	3	----	----	Watts	Watts