

ACC = Accessories—Mobile Home
 ACT = Acoustical Treatments
 APP = Appliances
 AWN = Awnings & Patio Covers
 CAB = Cabinetry
 CLN = Cleaning
 CNC = Concrete
 CON = Content Manipulation
 DMO = General Demolition
 DOR = Doors
 DRY = Drywall
 ELE = Electrical
 ELS = Electrical - Special Systems
 EQU = Equipment
 EXC = Excavation
 FCC = Floor Covering - Carpet
 FCR = Floor Covering - Resilient
 FCS = Floor Covering - Stone
 FCT = Floor Covering - Ceramic Tile
 FCV = Floor Covering - Vinyl
 FCW = Floor Covering - Wood
 FEE = Permits & Fees
 FEN = Fencing
 FNC = Finish Carpentry/Trimwork
 FNH = Finish Hardware
 FPL = Fireplaces
 FPS = Fire Protection System
 FRM = Framing & Rough Carpentry

Commercial & Residential Price List Flipchart

(For use with Xactimate 5.9 for DOS and Xactimate for Windows)

GLS = Glass, Glazing, & Storefronts
 HVC = Heat, Vent, & Air Conditioning
 INM = Insulation - Mechanical
 INS = Insulation
 LAB = Labor Only
 LIT = Light Fixtures
 MAS = Masonry
 MBL = Marble—Cultured or Natural
 MPR = Moisture Protection
 MSD = Mirrors & Shower Doors
 MSK = Mobile Home Skirting & Setup
 MTL = Metal Structures & Components
 ORI = Ornamental Iron
 PLA = Interior Lath & Plaster
 PLM = Plumbing
 PNL = Paneling & Wood Wall Finishes
 PNT = Painting
 POL = Swimming Pools & Spas
 RFG = Roofing
 SCF = Scaffolding
 SDG = Siding
 SFG = Soffit, Fascia, & Gutter
 SPE = Specialty Items

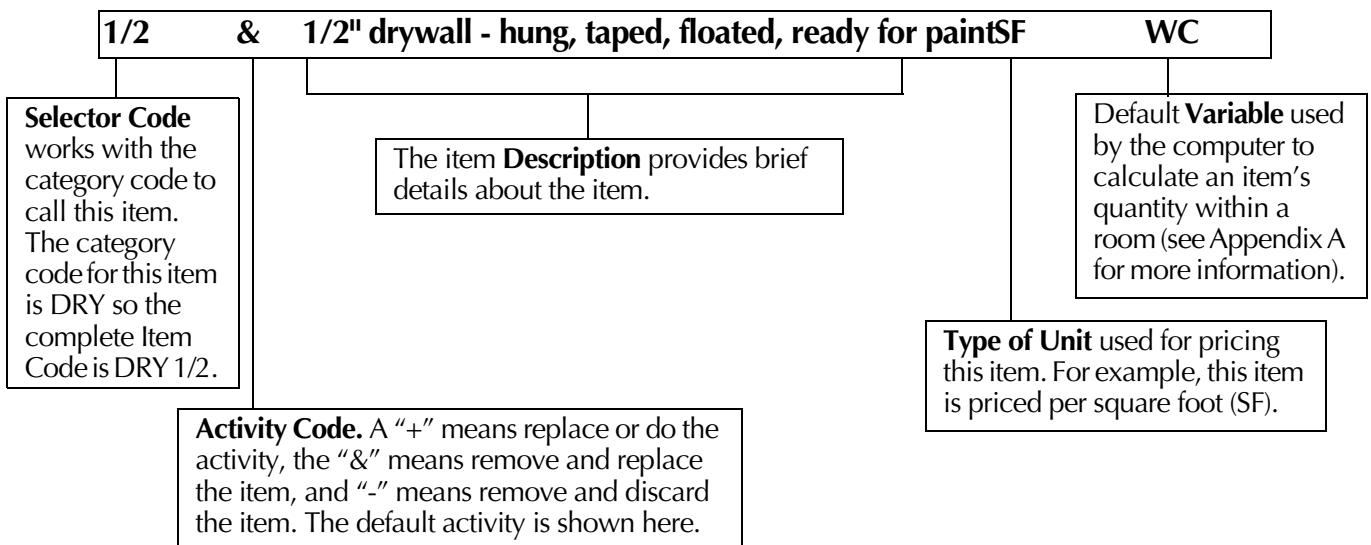
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STJ = Steel Joist Components
 STL = Steel Components
 STR = Stairs
 STU = Stucco & Exterior Plaster
 TBA = Toilet & Bath Accessories
 TIL = Tile
 TMB = Timber Framing
 TMP = Temporary Repairs
 WDA = Windows - Aluminum
 WDP = Windows - Sliding Patio
 WDR = Window Reglazing & Repair
 WDS = Windows - Skylights
 WDT = Window Treatments
 WDV = Windows - Vinyl
 WDW = Windows - Wood
 WPR = Wallpaper
 WRH = Wrecking & Hauling
 WTR = Water Extraction Services
 XST = Exterior Structures

Appendix A = Standard Variables
 Appendix B = Room Dimensioning Formulas
 Appendix C = Calculation Formulas

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Explanation of Flipchart Items



ACC = Accessories—Mobile Home

ANCR	& Anchor - twist in ground type	EA
ANCR+	& Anchor - two crossed rods driven into the ground	EA
BAXL	& Axle - electric brake (with springs)	EA
DAXL-	& Axle hubs - brake type	EA
DAXL	& Axle - drag (with springs) - no brakes	EA
EQL	& Equalizers	EA
HTCH	& Hitch - "A" frame style with coupler	EA
HUBS	& Axle hubs - drag type	EA
IBEAM	+ I beam repair	EA
MN	+ Mobile home accessory - minimum charge	EA
OTRG	& Outrigger - up to 30" long	EA
RIM	& Rim - doughnut type with no center	EA
SPNG	& Spring - mono or single leaf only	EA
TIRE	& Tire - 7 x 14.5 or 8 x 14.5 mounted	EA
TIRE+	& Tire and rim - 7 x 14.5 or 8 x 14.5	EA
TLIT	& Tail light - for stop and turn	EA
TNGJK	& Tongue jack	EA

ACT = Acoustical Treatments

AV	& Acoustic ceiling tile	SF	C
AV+	& Acoustic ceiling tile - High grade	SF	C
AVM+	& Ceiling panel -High grade w/battens & staples- mobile home	SF	C
AVM++	& Ceiling panel -glued w/no battens & staples- mobile home	SF	C
AV++	& Acoustic ceiling tile - Premium grade	SF	C
AVM	& Ceiling panel - w/battens & staples- mobile home	SF	C
BTN	& Batten for ceiling panel - mobile home	LF	
FUR	& Acoustic ceiling tile furring	SF	C
LP	& Light diffusing panel (i.e., cracked ice)	SF	C
LP+	& Light diffusing panel - High grade (i.e., mist white)	SF	C
LP++	& Light diffusing panel - Premium grade (i.e., egg crate)	SF	C
MN	+ Acoustic ceiling repair - minimum charge	EA	
SG	& Suspended ceiling grid	SF	C
SG+	& Suspended ceiling grid - High grade (colored)	SF	C
SG++	& Suspended ceiling grid - Premium grade (brass or chrome)	SF	C
SGRS	+ Suspended ceiling grid - Reset/realign	SF	C
ST-	& Suspended ceiling tile - Standard grade	SF	C
ST	& Suspended ceiling tile	SF	C
ST+	& Suspended ceiling tile - High grade	SF	C
ST++	& Suspended ceiling tile - Premium grade	SF	C
STG-	& Suspended ceiling tile & grid system - Standard grade	SF	C
STG	& Suspended ceiling tile & grid system	SF	C
STG+	& Suspended ceiling tile & grid system - High grade	SF	C
STG++	& Suspended ceiling tile & grid system - Premium grade	SF	C
STRS	+ Suspended ceiling tile - Detach & reset	SF	C
TINCC	& Tin ceiling cornice - embossed - unpainted	LF	PC
TINCC+	& Tin ceiling cornice - embossed - factory painted	LF	PC
TINCC++	& Tin ceiling cornice - embossed - chrome/brass/copper	LF	PC
TINCP	& Tin ceiling panel - embossed - unpainted	SF	C
TINCP+	& Tin ceiling panel - embossed - factory painted	SF	C
TINCP++	& Tin ceiling panel - embossed - chrome/brass/copper	SF	C
TINCPRS	& Tin ceiling panel - embossed - Detach & reset	SF	C

APP = Appliances

CT	& Cooktop	EA
CT+	& Cooktop - High grade	EA
CT++	& Cooktop - Premium grade	EA
CTM	& Cooktop - mobile home	EA
CTRS	+ Cooktop - Remove & reset	EA
DRYRS	+ Dryer - Remove & reset	EA
DW-	& Dishwasher - Standard grade	EA

DW	& Dishwasher	EA
DW+	& Dishwasher - High grade	EA
DW++	& Dishwasher - Premium grade	EA
DW+++	& Dishwasher - Deluxe grade	EA
DWRS	+ Dishwasher - Remove & reset	EA
FRZRS	+ Freezer - Remove & reset	EA
GD-	& Garbage disposal - Standard grade	EA
GD	& Garbage disposal	EA
GD+	& Garbage disposal - High grade	EA
GD++	& Garbage disposal - Premium grade	EA
GDRS	+ Garbage disposal - Remove & reset	EA
HD-	& Range hood - Standard grade	EA
HD	& Range hood	EA
HD+	& Range hood - High grade	EA
HD>	& Range hood - oversized - Standard grade	EA
HD>	& Range hood - oversized	EA
HD>+	& Range hood - oversized - High grade	EA
HDM	& Range hood - mobile home	EA
HDRS	+ Range hood - Remove & reset	EA
MWS	& Microwave oven - over range w/built-in hood	EA
MWS+	& Microwave oven - over range w/built-in hood - High grade	EA
MWSRS	+ Microwave oven - over range type -Remove & reset	EA
OVBI-	& Built-in oven - Standard grade	EA
OVBI	& Built-in oven	EA
OVBI+	& Built-in oven - High grade	EA
OVBIRS	+ Built-in oven - Remove & reset	EA
RF14	& Refrigerator - 14 cf	EA
RF14+	& Refrigerator - 14 cf - High grade	EA
RF18	& Refrigerator - 18 cf	EA
RF18+	& Refrigerator - 18 cf - High grade	EA
RF22	& Refrigerator - 22 cf	EA
RF22+	& Refrigerator - 22 cf - High grade	EA
RF22++	& Refrigerator - 22 cf - Premium grade	EA
RF25	& Refrigerator - 25 cf	EA
RF25+	& Refrigerator - 25 cf - High grade	EA
RF25++	& Refrigerator - 25 cf - Premium grade	EA
RFBI	& Built-in refrigerator	EA
RFSC	& Refrigerator - Commercial - side by side	EA
RFSCRS	& Refrigerator - Commercial - side by side - Remove & reset	EA
RFM	& Refrigerator - mobile home	EA
RFP	+ Refrigerator - paint / refinish	EA
RFPG	+ Refrigerator - paint / refinish & replace gaskets	EA
RFRS	+ Refrigerator - Remove & reset	EA
RFS22	& Refrigerator/freezer side by side - 22 cf	EA
RFS22+	& Refrigerator/freezer side by side - 22 cf - High Grade	EA
RFS24	& Refrigerator/freezer side by side - 24 cf	EA
RFS24+	& Refrigerator/freezer side by side - 24 cf - High grade	EA
RFWLRS	+ Refrigerator water line - Disconnect and reconnect	EA
RG-	& Range - Standard grade	EA
RG	& Range	EA
RG+	& Range - High grade	EA
RG++	& Range - Premium grade	EA
RG+++	& Range - Deluxe grade	EA
RGDI-	& Range - 30" drop in - Standard grade	EA
RGDI	& Range - 30" drop in	EA
RGDI+	& Range - 30" drop in - High grade	EA
RGDIRS	+ Range - drop in - Remove & reset	EA
RGG	& Range - 30" - gas	EA
RGG+	& Range - 30" - gas - High grade	EA
RGG++	& Range - 30" - gas - Premium grade	EA
RGGRS	+ Range - gas - Remove & reset	EA
RGGC	& Range - commercial - 30" - gas	EA

RGGC+	& Range - commercial - 36" - gas	EA
RGGC++	& Range - commercial - 48" - gas	EA
RGGCRS	+ Range - commercial - gas - Remove & reset	EA
RGM	& Range and oven combination - mobile home	EA
RGRS	+ Range - electric - Remove & reset	EA
TC	& Trash compactor	EA
TC+	& Trash compactor - High grade	EA
TCRS	+ Trash compactor - Remove & reset	EA
WSHRS	+ Washing machine - Remove & reset	EA

AWN = Awnings & Patio Covers

CARPT	& Carport - Freestanding metal - Moderate load	SF
CARPT-	& Carport - Freestanding metal - Light load	SF
CARPT+	& Carport - Freestanding metal - Heavy load	SF
MN	+ Awning repair - Minimum charge	EA
PC	& Patio cover - Attached - Aluminum - Moderate load	SF
PC-	& Patio cover - Attached - Aluminum - Light load	SF
PC+	& Patio cover - Attached - Aluminum - Heavy load	SF
PCDK	& Patio cover - Roof Decking only - Moderate load	SF
PCDK-	& Patio cover - Roof Decking only - Light load	SF
PCDK+	& Patio cover - Roof Decking only - Heavy load	SF
PCDKRS	& Patio cover - Roof Decking - Detach & reset	SF
PCFACG	& Patio cover - Fascia end - Guttered	LF
PCFACN	& Patio cover - Fascia end - Non-guttered	LF
PCFACRS	& Patio cover - Fascia end - Detach & reset	LF
PCRS	+ Patio or walkway cover - Detach & reset	SF
PEG	& Patio Enclosure - Half Glass	SF
PEG+	& Patio Enclosure - Full Glass	SF
PES	& Patio Enclosure - Half Screen	SF
PES+	& Patio Enclosure - Full Screen	SF
POSTA	& Patio Post - Aluminum tube	LF
POSTS	& Patio Post - Steel tube	LF
POSTSC	& Patio Post - Scrolled	LF
WINA	& Awning - Window/door - Aluminum or steel	LF
WINA>RS	+ Awning - Aluminum/steel (Oversized) - Detach & Reset	LF
WINA+	& Awning - Window/door - Alum./steel - High grade	LF
WINA>	& Awning - Window/door - Alum./stl. (Oversized)	LF
WINA>+	& Awning - Window/door - Alum./stl. - High grade (Oversized)	LF
WINASP	& Awning side panels - Alum./steel (per set)	EA
WINASP>	& Awning side panels - Alum./steel (Oversized) (per set)	EA
WINA+	+ Awning - Aluminum or steel - Add for each color stripe	EA
WINARS	+ Awning - Aluminum/steel - Detach & reset	LF
WINC	& Awning - Window/door - Canvas (fixed)	LF
WINC+	& Awning - Window/door - Canvas (retractable)	LF
WINCM	& Awning - Canvas (retractable) - Add to motorize	EA
WINCRS	& Awning - Canvas - Detach & reset	LF
WINV	& Awning - Window/door - Vinyl (backlit type)	LF
WINVRS	& Awning - Vinyl - Detach & reset	LF

CAB = Cabinetry

BS	& Backsplash - plastic laminate	SF
CROWN	+ Add for crown molding per LF	LF
CTBB	& Countertop - wood - butcher block (hardrock maple)	SF
CTFBRS	+ Backsplash - flat laid plastic laminate - Detach & reset	LF
CTFL-	& Countertop - flat laid plastic laminate - Standard grade	LF
CTFL	& Countertop - flat laid plastic laminate	LF
CTFL+	& Countertop - flat laid plastic laminate - High grade	LF
CTFL++	& Countertop - flat laid plastic laminate - Premium grade	LF
CTFL>	& Countertop - flat laid plastic laminate - Oversized	LF
CTFL>+	& Countertop - flat laid plastic laminate - Oversized - high gr.	LF
CTFLRS	+ Countertop - flat laid plastic laminate - Detach & Reset	LF
CTFLSPL4	& 4" backsplash for flat laid countertop	LF

CTFLSPL6	& 6" backsplash for flat laid countertop	LF
CTGM	& Countertop - Granite or Marble - Average grade	SF
CTGM+	& Countertop - Granite or Marble - High grade	SF
CTPF-	& Countertop - post formed plastic laminate - Standard grade	LF
CTPF	& Countertop - post formed plastic laminate	LF
CTPF+	& Countertop - post formed plastic laminate - High grade	LF
CTPF++	& Countertop - post formed plastic laminate - Premium grade	LF
CTPF>	& Countertop - post formed plastic laminate - oversized	LF
CTPFRS	+ Countertop - post formed plastic laminate - Detach & reset	LF
CTSBSRS	+ Backsplash - solid surface - Unattached - Detach & reset	LF
CTMITER	& Add-on for mitered corner	EA
CTSNKB	& Sink - Bar - solid surface material	EA
CTSNKD	& Sink - double - solid surface material	EA
CTSNKS	& Sink - single - solid surface material	EA
CTSS	& Countertop - solid surface - Average grade	SF
CTSS+	& Countertop - solid surface - High grade	SF
CTSS++	& Countertop - solid surface - Premium grade	SF
CTSSBS	& Backsplash - solid surface - Unattached	LF
CTSSBS+	& Backsplash - solid surf. - Covered (seamless - perm.)	LF
CTSSGL	& Countertop - solid surface - Add for gloss finish	SF
CTSSIN	& Countertop - solid surface - Add for inlays	LF
CTSSRS	+ Countertop - solid surface/granite - Detach & reset	SF
CTST	& Countertop - stainless steel	LF
CTTZ	& Countertop - concrete (terrazzo)	SF
FFHC	& Laminated plastic cabinets - full height unit - Comm grade	LF
FH--	& Cabinetry - full height units - utility (unfinished)	LF
FH-	& Cabinetry - full height unit - Standard grade	LF
FH	& Cabinetry - full height unit	LF
FH+	& Cabinetry - full height unit - High grade	LF
FH++	& Cabinetry - full height unit - Premium grade	LF
FHRS	+ Cabinetry - full height unit - Detach & reset	LF
FLOW-	& Cabinetry - plastic laminate lower (base) units - Std grade	LF
FLOW	& Cabinetry - plastic laminate lower (base) units	LF
FLOW+	& Cabinetry - plastic laminate lower (base) units - High grade	LF
FLOWC	& Laminated plastic cabinets - lower unit - Comm grade	LF
FUP-	& Cabinetry - plastic laminate upper (wall) units - Std grade	LF
FUP	& Cabinetry - plastic laminate upper (wall) units	LF
FUP+	& Cabinetry - plastic laminate upper (wall) units - High grade	LF
FUPC	& Laminated plastic cabinets - upper unit - Comm grade	LF
GALLEY	+ Add for galley rail per LF	LF
GL	+ Add for frosted/etched or beveled glass, per cabinet door	EA
GL+	+ Add for leaded glass (standard design), per cabinet door	EA
KNPL-	& Cabinet knob or pull - standard grade	EA
KNPL	& Cabinet knob or pull - average grade	EA
KNPL+	& Cabinet knob or pull - high grade	EA
KNPLRS	+ Cabinet knob or pull - Detach & reset	EA
LOW--	& Cabinetry - lower (base) units - utility (unfinished)	LF
LOW-	& Cabinetry - lower (base) units - Standard grade	LF
LOW	& Cabinetry - lower (base) units	LF
LOW+	& Cabinetry - lower (base) units - High grade	LF
LOW++	& Cabinetry - lower (base) units - Premium grade	LF
LOWM	& Cabinetry - lower w/flush doors - mobile home	LF
LOWRS	+ Cabinetry - lower (base) units - Detach & reset	LF
LZS	+ Add for lazy susan	EA
MC-	& Medicine cabinet - Standard grade	EA
MC	& Medicine cabinet	EA
MC+	& Medicine cabinet - High grade	EA
MC++	& Medicine cabinet - Premium grade	EA
MCM	& Medicine cabinet - mobile home	EA
MCRS	+ Medicine cabinet - Detach & reset	EA
MN	+ Cabinetry repair - Minimum charge	EA
PLY	& Replace cabinet panels - end, side, or back	SF

PLY+	& Replace cabinet panels - end, side, or back (high grade)	SF
PLYTK	+ Re-skin toe kick	LF
RLOUT	+ Add for role out shelves per LF	LF
UP--	& Cabinetry - upper (wall) units - utility (unfinished)	LF
UP-	& Cabinetry - upper (wall) units - Standard grade	LF
UP	& Cabinetry - upper (wall) units	LF
UP+	& Cabinetry - upper (wall) units - High grade	LF
UP++	& Cabinetry - upper (wall) units - Premium grade	LF
UPM	& Cabinetry - upper w/flush doors - mobile home	LF
UPRS	+ Cabinetry - upper (wall) units - Detach & reset	LF
VAL	& Cabinet valance	LF
VAN-	& Vanity - Standard grade	LF
VAN	& Vanity	LF
VAN+	& Vanity - High grade	LF
VAN++	& Vanity - Premium grade	LF
VANM	& Vanity - mobile home	LF
VANRS	+ Vanity - Detach & reset	LF

CLN = Cleaning

AC	+ Clean acoustic ceiling (popcorn) texture	SF	C
ACCND	+ Clean air conditioning condenser unit	EA	
ACT	+ Clean acoustic ceiling tile	SF	C
AV-	+ Clean {V} - Light	SF	WC
AV	+ Clean {V}	SF	WC
AV+	+ Clean {V} - Heavy	SF	WC
AVT	+ Clean hand textured ceiling	SF	C
AW	+ Clean exterior masonry - acid wash	SF	W
AWMN	+ Clean exterior masonry - acid wash - Minimum charge	EA	
AWN	+ Clean aluminum awning - window or door	EA	
B	+ Clean baseboard	LF	PF
BAC	+ Clean bath accessory	EA	
BAL	+ Clean balustrade	LF	
BAR<	+ Clean light bar - Small	EA	
BAR	+ Clean light bar	EA	
BAR>	+ Clean light bar - Large	EA	
BATH	+ Clean bathroom fixtures	EA	
BATH>	+ Clean bathroom fixtures - Large bathroom	EA	
BBH	+ Clean baseboard heater	LF	
BF	+ Clean door - bifold set	EA	
BFAN	+ Clean bathroom fan	EA	
BID	+ Clean bidet	EA	
BK	+ Clean bookcase	SF	
BLND-	+ Clean window blind - horizontal or vertical - Light	SF	
BLND	+ Clean window blind - horizontal or vertical	SF	
BLND+	+ Clean window blind - horizontal or vertical - Heavy	SF	
BLR	+ Clean boiler unit	EA	
BM	+ Clean beams - exposed	LF	
BP	+ Clean door - bypass (sliding) set	EA	
BPNL	+ Clean electrical breaker panel	EA	
BPNL>	+ Clean electrical breaker panel - Large	EA	
CA	+ Clean cold air return cover	EA	
CB	+ Clean cove base molding - rubber or vinyl	LF	PF
CHAN	+ Clean chandelier	EA	
CHAN+	+ Clean chandelier - above average detail	EA	
CHAN++	+ Clean chandelier - with crystal	EA	
CHIME	+ Clean door chime	EA	
CHR	+ Clean chair rail	LF	PF
CLOS<	+ Clean closet package (shelf & rod) - Small	EA	
CLOS	+ Clean closet package (shelf & rod)	EA	
CLOS>	+ Clean closet package (shelf & rod) - Large	EA	
CLOSLF	+ Clean closet shelf and rod per lineal foot	LF	
CNC	+ Clean concrete on {V}	SF	F

CNCSTP	+ Clean concrete step	EA	
CNR	+ Clean corner trim	LF	
COVE	+ Clean carpet cove (wall wrap)	LF	PF
CT	+ Clean cooktop	EA	
CTF	+ Clean countertop	SF	
CTTL	+ Clean countertop - tile	SF	
CWN	+ Clean crown molding	LF	PC
DCT	+ Clean ductwork system - Int. - vacuum/deodorize/seal	EA	
DCTLF	+ Clean ductwork - Exterior (per LF)	LF	
DCTRM	+ Clean ductwork - Exterior (per room)	EA	
DCTV	+ Clean ductwork system - Interior - vacuum only	EA	
DODR	+ Clean and deodorize building - Hot thermal fog	CF	
DODROZ	+ Clean and deodorize building - Ozone treatment	CF	
DOR	+ Clean door (per side)	EA	
DOR+	+ Clean door - with detail (per side)	EA	
DORH	+ Clean door hardware	EA	
DRAP	+ Clean drapery - per pleat (3'- 6' length) - unlined	EA	
DRAP+	+ Clean drapery - per pleat (3'- 6' length) - lined	EA	
DRAP>>	+ Clean drapery - per pleat (6'- 8' length) - unlined	EA	
DRAP>>>	+ Clean drapery - per pleat (6'- 8' length) - lined	EA	
DRAP>>>>	+ Clean drapery - per pleat (8'- 10' length) - unlined	EA	
DRAP>>>>>	+ Clean drapery - per pleat (8'- 10' length) - lined	EA	
DRAPHW	+ Clean drapery hardware	EA	
DVENT	+ Clean dryer vent	LF	
DW-	+ Clean dishwasher - Light	EA	
DW	+ Clean dishwasher	EA	
DW+	+ Clean dishwasher - Heavy	EA	
EC	+ Clean evaporative cooler	EA	
ECDIF	+ Clean evaporative cooler diffuser	EA	
F-	+ Clean floor	SF	F
F	+ Clean floor, strip & wax	SF	F
F+	+ Clean floor, strip & wax - several layers of wax	SF	F
FAC	+ Clean fascia	LF	
FAN	+ Clean exhaust fan	EA	
FAU	+ Clean sink faucet	EA	
FCC	+ Clean and deodorize carpet	SF	F
FCCP	+ Re-apply protective coating on carpet	SF	
FCCSTN	+ Clean and deodorize carpet - heavy staining	SF	F
FCCSTP	+ Clean carpet - cleaning charge per step	EA	
FCS	+ Clean floor - stone	SF	F
FCT	+ Clean floor - tile	SF	F
FCW	+ Clean floor and seal - wood	SF	F
FH	+ Clean cabinetry - full height - inside and out	LF	
FHF	+ Clean cabinetry - full height - faces only	LF	
FL	+ Clean light fixture - fluorescent	EA	
FLD	+ Clean folding door (per side)	EA	
FN	+ Clean ceiling fan and light	EA	
FNTN	+ Clean drinking fountain	EA	
FOIL	+ Clean wallpaper - foil	SF	W
FPL	+ Clean fireplace face & mantel	SF	
FPS	+ Clean floor and prep for overlay of subfloor	SF	F
FR	+ Clean door - French (per side)	EA	
FR2	+ Clean door - French double door set (per side)	EA	
FRFA	+ Clean furnace - forced air	EA	
FRFA>	+ Clean furnace - forced air - Large	EA	
FRW	+ Clean furnace - wall type	EA	
FW	+ Clean foundation wall	SF	
GD	+ Clean garbage disposal	EA	
GDOR	+ Clean fireplace glass doors	EA	
GLS	+ Clean glazed store front - glass and aluminum	SF	W
GN	+ General clean-up	HR	
GRASS	+ Clean wallpaper - grass cloth	SF	W

GRIL	+ Clean ornamental iron grill	SF
GUT	+ Clean gutter/downspout	LF
HD	+ Clean range hood	EA
HMF	+ Clean humidifier unit	EA
HR	+ Clean handrail - wall mounted	LF
HRTH	+ Clean fireplace hearth	SF
IC	+ Clean intercom station	EA
JST	+ Clean floor or roof joist system	SF F
LIT-	+ Clean light fixture - low detail	EA
LIT	+ Clean light fixture	EA
LIT+	+ Clean light fixture - high detail	EA
LOW	+ Clean cabinetry - lower - inside and out	LF
LOWF	+ Clean cabinetry - lower - faces only	LF
LP	+ Clean light diffusing panel	SF
LTUB	+ Clean laundry tub	EA
LVR-	+ Clean door - half louvered unit (per side)	EA
LVR	+ Clean door - full louvered unit (per side)	EA
MAR	+ Clean Marlite (waterproof) paneling	SF
MAS	+ Clean masonry	SF W
MC	+ Clean medicine cabinet	EA
MC>	+ Clean medicine cabinet - Large	EA
MCH	+ Clean chimney - metal	LF
MIR	+ Clean mirror	SF
MN	+ Cleaning - Minimum charge	EA
MTIL	+ Clean mirror tile	SF
MTLR	+ Clean metal roofing	SF
MW	+ Clean microwave	EA
OH	+ Clean overhead door & hardware	EA
OH>	+ Clean overhead door & hardware - Large	EA
OHO	+ Clean overhead (garage) door opener	EA
OL	+ Clean phone, TV, or speaker outlet	EA
OP	+ Clean door / window opening	EA
OPLF	+ Clean door / window opening	LF
ORI	+ Clean ornamental iron handrail	LF
OS	+ Clean outlet or switch	EA
OV-	+ Clean oven - Light	EA
OV	+ Clean oven	EA
OV+	+ Clean oven - Heavy	EA
PATIO-	+ Clean aluminum patio cover - Light	SF
PATIO	+ Clean aluminum patio cover	SF
PATIO+	+ Clean aluminum patio cover - Heavy	SF
PDOR<	+ Clean patio door (sliding glass) - Small (per side)	EA
PDOR	+ Clean patio door (sliding glass) (per side)	EA
PDOR>	+ Clean patio door (sliding glass) - Large (per side)	EA
PH	+ Clean panic hardware	EA
PNL-	+ Clean paneling - Light	SF W
PNL	+ Clean paneling	SF W
PNL+	+ Clean paneling - Heavy	SF W
PWASH-	+ Clean with pressure/chemical spray - Light	SF
PWASH	+ Clean with pressure/chemical spray	SF
PWASH+	+ Clean with pressure/chemical spray - Heavy	SF
PWASH++	+ Clean with pressure/chemical spray - Very heavy	SF
PWASHMN+	Pressure/chemical wash - Minimum charge	EA
RAD	+ Clean radiator unit	EA
RADC	+ Clean radiator cover	EA
RC	+ Clean recessed light fixture	EA
REG	+ Clean register - heat / AC	EA
RF-	+ Clean refrigerator - Light	EA
RF	+ Clean refrigerator	EA
RF+	+ Clean refrigerator - Heavy	EA
RG-	+ Clean range - Light	EA
RG	+ Clean range	EA

RG+	+ Clean range - Heavy	EA
RISER	+ Clean stair riser - per side	EA
RU	+ Clean window blind - roll up	EA
RW	+ Clean roof window	SF
SB	+ Sandblasting	SF
SB+	+ Sandblasting - Heavy	SF
SB++	+ Sandblasting - Extra heavy	SF
SBMN	+ Sandblasting - Minimum charge	EA
SCR	+ Clean fireplace screen	EA
SCRN	+ Clean window screen	EA
SDGM	+ Clean siding - metal or vinyl	SF W
SDGW	+ Clean siding - wood	SF W
SDOR	+ Clean shower door	EA
SFTM	+ Clean soffit - metal or vinyl	SF
SFTW	+ Clean soffit - wood	SF
SG	+ Clean suspended ceiling grid	SF C
SH	+ Clean deck sheathing	SF F
SHOE	+ Clean base shoe	LF PF
SHTR	+ Clean shutter	EA
SHW	+ Clean shelving - wood	LF
SHWI	+ Clean shelving - wire (vinyl coated)	LF
SILM	+ Clean sill - cultured marble	LF
SILT	+ Clean sill - tile	LF
SILW	+ Clean sill - wood	LF
SKY<	+ Clean roof window or skylight - Small	EA
SKY	+ Clean roof window or skylight	EA
SKY>	+ Clean roof window or skylight - Large	EA
SKY>>	+ Clean roof window or skylight - Extra large	EA
SMOKE	+ Clean smoke detector	EA
SNK	+ Clean sink	EA
SNKD	+ Clean sink - double	EA
SNKFAU	+ Clean sink - double and faucet	EA
SNKFAU	+ Clean sink and faucet	EA
SPD	+ Clean soap dispenser	EA
SROD	+ Clean shower curtain rod	EA
SSNK	+ Clean service sink	EA
ST	+ Clean suspended ceiling tile	SF C
STD	+ Clean stud wall	SF W
STM	+ Clean {V} with pressure steam	SF
STN	+ Clean stone veneer	SF W
STOL	+ Clean window stool & apron	LF
STP	+ Clean steps (per tread)	EA
STR	+ Clean stair stringer	LF
STRMD	+ Clean storm door assembly	EA
STRMW	+ Clean storm window	EA
STU	+ Clean stucco	SF W
SWR-	+ Clean shower - Light	EA
SWR	+ Clean shower	EA
SWR+	+ Clean shower - Heavy	EA
T	+ Clean floor - terrazzo	SF F
TBAR	+ Clean towel bar	EA
TC-	+ Clean trash compactor - Light	EA
TC	+ Clean trash compactor	EA
TC+	+ Clean trash compactor - Heavy	EA
TIL	+ Clean ceramic tile	SF W
TILR	+ Clean tile roofing	SF
TLT	+ Clean toilet	EA
TLTP	+ Clean toilet partition - per stall	EA
TLTS	+ Clean toilet seat	EA
TPD	+ Clean toilet paper dispenser	EA
TRD	+ Clean stair tread - per side	EA
TRIM	+ Clean trim - wood	LF

TS	+ Clean thermostat	EA
TSFAU	+ Clean tub / shower faucet	EA
TUB-	+ Clean tub - Light	EA
TUB	+ Clean tub	EA
TUB+	+ Clean tub - Heavy	EA
TUBDR	+ Clean bathtub enclosure - sliding glass doors	EA
TUBSUR-	+ Clean tub and surround - Light	EA
TUBSUR	+ Clean tub and surround	EA
TUBSUR+	+ Clean tub and surround - Heavy	EA
UL	+ Clean floor underlayment	SF F
UP	+ Clean cabinetry - upper - inside and out	LF
UPF	+ Clean cabinetry - upper - faces only	LF
UR	+ Clean urinal	EA
VAN	+ Clean vanity - inside and out	LF
VANF	+ Clean vanity - faces only	LF
VENT	+ Clean roof vent	EA
WD<	+ Clean window, 3 - 9 SF	EA
WD	+ Clean window, 10 - 20 SF	EA
WD>	+ Clean window, 21 - 40 SF	EA
WD>>	+ Clean window, 41 - 60 SF	EA
WH-	+ Clean water heater - Light	EA
WH	+ Clean water heater	EA
WH+	+ Clean water heater - Heavy	EA
WHP	+ Clean whirlpool	EA
WPR-	+ Clean wallpaper - Light	SF W
WPR	+ Clean wallpaper	SF W
WPR+	+ Clean wallpaper - Heavy	SF W
WS	+ Clean water softener	EA
X	+ Clean exterior door (per side)	EA
XLIT	+ Clean exterior light fixture	EA

CNC = Concrete

COR1	+ Concrete core drilling - 1" dia. x 1'deep	EA
COR2	+ Concrete core drilling - 2" dia. x 1'deep	EA
COR3	+ Concrete core drilling - 3" dia. x 1'deep	EA
COR4	+ Concrete core drilling - 4" dia. x 1'deep	EA
CORMN	+ Concrete core drilling - Minimum charge	EA
CS	+ Concrete sealer - brush or spray applied	SF
CYMN	+ Concrete CY - Minimum charge	EA
DYE	+ Concrete dye - additional charge	SF F
EPX	+ Epoxy injection - concrete repair (per LF of crack)	LF
EPXF	+ Epoxy finish - one coat over concrete floor	SF F
EPXF2	+ Epoxy finish - two coats over concrete floor	SF F
EPXMN	+ Epoxy injection - concrete repair - Minimum charge	EA
FTG-	& Footings - labor and materials	CY FTG:
FTG	& Footings - labor & materials - reinforced	CY FTG:
FTGLF	& Footings - 24" x 10"	LF
FW	& Concrete wall - labor & materials	CY FW:
FWLF	& Concrete wall - 8" x 8' - labor and material	LF PF
FWS	+ Foundation wall sawing - 8" wall	LF
FWSMN	+ Foundation wall sawing - Minimum charge	EA
GUN	& Gunite - per inch of thickness - no wire mesh	SF
GUNM	& Wire mesh for gunite - 6"x 6", #10	SF
LWGY	& Light weight, gypsum concrete	SF
MN	+ Miscellaneous concrete - Minimum charge	EA
NS	+ Non-slip aluminum oxide finish	SF F
PIER	& Concrete pier or footing with post anchor	EA
PUMP	+ Concrete pump truck (per hour)	HR
RB3	+ Steel rebar - # 3 (3/8")	LF
RB4	+ Steel rebar - # 4 (1/2")	LF
RB5	+ Steel rebar - # 5 (5/8")	LF
RB6	+ Steel rebar - # 6 (3/4")	LF

RB7	+ Steel rebar - # 7 (7/8")	LF
RB8	+ Steel rebar - # 8 (1")	LF
SAW4	+ Concrete floor sawing - 4" slab	LF
SAW6	+ Concrete floor sawing - 6" slab	LF
SAWMN	+ Concrete floor sawing - Minimum charge	EA
SAWSL	+ Concrete cutting - slab (per LF inch)	LF
SAWW	+ Concrete cutting - wall (per LF inch)	LF
SL2	& Concrete slab on grade - 2" - finished in place	SF F
SL4	& Concrete slab on grade - 4" - finished in place	SF F
SL6	& Concrete slab on grade - 6" - finished in place	SF F
SLCY	& Concrete slab on grade - finished in place	CY SL:
SLCW	& Concrete slab - light weight concrete	CY
SLPTN	+ Add for color & stamped pattern (brick/stone) in slab	SF
SLRE3	& Concrete slab reinforcement - #3 (3/8") - steel rebar grid	SF F
SLRE4	& Concrete slab reinforcement - #4 (1/2") - steel rebar grid	SF F
SLREM	& Concrete slab reinforcement - 6" x 6", #10 wire mesh	SF F
STP	& Concrete step - labor & material	CY STP:
TILT6	& Tilt-up concrete panel, 6" thick	SF
TILT8	& Tilt-up concrete panel, 8" thick	SF
TILT10	& Tilt-up concrete panel, 10" thick	SF
TILTLW	+ Add for lightweight concrete	SF
TILTPEB	+ Add for aggregate (pebble) finish	SF
TILTRIB	+ Add for ribbed or ornamental finish	SF
TILTRUB	+ Add for rubbed finish	SF
TILTRUS	+ Add for rustication - feature/chamfer strips	LF
TILTBSB	+ Add for sandblasted finish	SF
TILTSCB	+ Add for sand casting bed (forming tilt-up on ground)	SF

CON = Content Manipulation

ROOM<	+ Contents - move out then reset - Small room	EA
ROOM	+ Contents - move out then reset	EA
ROOM>	+ Contents - move out then reset - Large room	EA
ROOM>>	+ Contents - move out then reset - Extra large room	EA

DMO = General Demolition

ACT	- Remove wet ceiling tile and bag for disposal	SF
CAR	- Dump and landfill fees - (per ton)	EA
DRY	- Remove wet drywall - includes cleanup of residue	SF
DTRUCK	- Single axle dump truck - per load - including dump fee	EA
DUMP<	- Dumpster load - Small	EA
DUMP	- Dumpster load	EA
DUMP>	- Dumpster load - Large	EA
DUMP>>	- Dumpster load - Extra large	EA
FCC	- Remove wet, non-salvageable carpet, cut & bag for disp.	SF
FCCGD	- Remove wet, non-salv. glue down carpet - cut/bag for disp.	SF
PU	- Haul debris - per pickup truck load	EA

DOR = Doors

A	+ Door astragal	LF
AV-	& Interior door unit - Standard grade	EA
AV	& Interior door unit	EA
AV+	& Interior door unit - High grade	EA
AV++	& Interior door unit - Premium grade	EA
AVM-	& Interior door unit - Standard grade - mobile home	EA
AVM	& Interior door unit - mobile home	EA
AVM+	& Interior door unit - High grade - mobile home	EA
AVM++	& Interior door unit - Premium grade - mobile home	EA
BF-	& Bifold door set - lauan - mahogany	EA
BF	& Bifold door set - colonist	EA
BF+	& Bifold door set - Birch veneer	EA
BF++	& Bifold door set - solid core - half-louvered	EA
BF<	& Bifold door set - Colonist - Single	EA

BF<-	& Bifold door set - Lauan/mahogany - Single	EA	OH10-	& Overhead door & hardware - 10' x 7' - Standard grade	EA
BF<+	& Bifold door set - Birch veneer - Single	EA	OH10	& Overhead door & hardware - 10' x 7'	EA
BF<++	& Bifold door set - solid core - half louvered - Single	EA	OH10+	& Overhead door & hardware - 10' x 7' - High grade	EA
BF<RS	+ Bifold door set (single) - Slab only - Detach & reset	EA	OH10++	& Overhead door & hardware - 10' x 7' - Premium grade	EA
BFLVR	& Bifold door set - full louvered	EA	OH12-	& Overhead door & hardware - 12' x 7' - Standard grade	EA
BFLVR<	& Bifold door set - full louvered - Single	EA	OH12	& Overhead door & hardware - 12' x 7'	EA
BFMIR	& Bifold mirrored door set	EA	OH12+	& Overhead door & hardware - 12' x 7' - High grade	EA
BFMIR<	& Bifold mirrored door set - Single	EA	OH12++	& Overhead door & hardware - 12' x 7' - Premium grade	EA
BFMIR+	& Bifold mirrored door set - High grade	EA	OH16-	& Overhead door & hardware - 16' x 7' - Standard grade	EA
BFMIR<+	& Bifold mirrored door set - High grade - Single	EA	OH16	& Overhead door & hardware - 16' x 7'	EA
BFPNL	& Bifold doorset - solid fir 4 or 6 panel	EA	OH16+	& Overhead door & hardware - 16' x 7' - High grade	EA
BFPNL<	& Bifold doorset - solid fir 4 or 6 panel - Single	EA	OH16++	& Overhead door & hardware - 16' x 7' - Premium grade	EA
BFRS	+ Bifold door sets - slabs only - Detach & reset	EA	OH18-	& Overhead door & hardware - 18' x 7' - Standard grade	EA
BIRCH-	& Interior door - birch - slab only	EA	OH18	& Overhead door & hardware - 18' x 7'	EA
BIRCH	& Interior door - birch - pre-hung unit	EA	OH18+	& Overhead door & hardware - 18' x 7' - High grade	EA
BIRCH+	& Interior door - birch - stain grade jamb and casing	EA	OH18++	& Overhead door & hardware - 18' x 7' - Premium grade	EA
BP-	& Bypass (sliding) door set - lauan/mahogany	EA	OHORMN+	Overhead door repair - Minimum charge	EA
BP	& Bypass (sliding) door set - Colunist	EA	OHO-	& Overhead (garage) door opener - Standard grade	EA
BP+	& Bypass (sliding) door set - Birch	EA	OHO	& Overhead (garage) door opener	EA
BP++	& Bypass (sliding) door set - Panel	EA	OHO+	& Overhead (garage) door opener - High grade	EA
BPMIR	& Bypass mirrored door set	EA	OHO++	& Overhead (garage) door opener - Premium grade	EA
BPMIR+	& Bypass mirrored door set - High grade	EA	OHORM	+ Remote unit for overhead door opener	EA
BPRS	+ Bypass (sliding) door set - slabs only - Detach & reset	EA	OHORS	+ Overhead (garage) door opener - Detach & reset	EA
COL-	& Interior door - colonist - slab only	EA	OHPB	& Overhead door panel - bottom section	EA
COL	& Interior door - colonist	EA	OHPM	& Overhead door panel - middle section	EA
COL+	& Interior door - colonist - stain grade jamb & casing	EA	OHPT	& Overhead door panel - top section	EA
DORRS	+ Interior door - Detach & reset	EA	OHRS	+ Overhead door - Detach & reset	EA
DOR-RS	+ Interior door - Detach & reset - slab only	EA	OHRS>	+ Overhead door - Detach & reset - Large	EA
DUT-RS	+ Dutch door - Detach & reset - slab only	EA	OHTRAK	& Overhead door track	LF
DUTCH-	& Exterior door - Dutch - slabs only	EA	OHWD	+ Add for square window - overhead door per window	EA
DUTCH	& Exterior door - Dutch - pre-hung unit	EA	OHWD+	+ Add for decorative window - overhead door - per window	EA
FLD	& Folding door	EA	PKT-	& Pocket door unit - lauan/mahogany	EA
FR-	& French door - wood - slab only	EA	PKT	& Pocket door unit - Colunist	EA
FR	& French door - pre-hung unit	EA	PKT+	& Pocket door unit - Birch	EA
FR+	& French door - stain grade jamb and casing	EA	PKT++	& Pocket door unit - Panel	EA
FR2	& French double door set	EA	PLN	+ Plane and refit door	EA
FR2+	& French double door set - stain grade jamb & casing	EA	PNL-	& Interior door - panel - slab only	EA
FR2RS	+ French double door set - Detach & reset	EA	PNL	& Interior door - panel - pre-hung unit	EA
FRM-	& French door - metal - insulated - slab only	EA	PNL+	& Interior door - panel - stain grade jamb & casing	EA
FRM	& French door - metal - insulated - pre-hung unit	EA	PNL++	& Interior door - panel - stain grade, hardwd jamb & casing	EA
FRM2	& French double door set - metal - insulated - pre-hung unit	EA	REV	+ Reverse angle track - O.H. door installation on masonry	EA
FRRS	+ French door - Detach & reset	EA	S10-10	& Sectional overhead door, 10' x 10'	EA
LV	& Add for louvered insert, up to 18" x 12"	EA	S10-10I	& Sectional overhead door, 10' x 10' - insulated	EA
LVR-	& Interior door - half louvered - pre-hung unit	EA	S10-12	& Sectional overhead door, 10' x 12'	EA
LVR	& Interior door - full louvered - pre-hung unit	EA	S10-12I	& Sectional overhead door, 10' x 12' - insulated	EA
MAH-	& Interior door - lauan / mahogany - slab only	EA	S12-10	& Sectional overhead door, 12' x 10'	EA
MAH	& Interior door - lauan / mahogany - pre-hung unit	EA	S12-10I	& Sectional overhead door, 12' x 10' - insulated	EA
MAH+	& Interior door - lauan / mahogany - stain grade jamb & case	EA	S12-12	& Sectional overhead door, 12' x 12'	EA
MAH++	& Interior door - lauan / mahogany - mahogany jamb & casing	EA	S12-12I	& Sectional overhead door, 12' x 12' - insulated	EA
MN	+ Door repair - Minimum charge	EA	S12-14	& Sectional overhead door, 12' x 14'	EA
OAK-	& Interior door - oak veneer - slab only	EA	S12-14I	& Sectional overhead door, 12' x 14' - insulated	EA
OAK	& Interior door - oak veneer - pre-hung unit	EA	S14-10	& Sectional overhead door, 14' x 10'	EA
OAK+	& Interior door - oak veneer - oak veneer jamb & casing	EA	S14-10I	& Sectional overhead door, 14' x 10' - insulated	EA
OAK++	& Interior door - oak veneer - solid oak jamb & casing	EA	S14-12	& Sectional overhead door, 14' x 12'	EA
OH8-	& Overhead door & hardware - 8' x 7' - Standard grade	EA	S14-12I	& Sectional overhead door, 14' x 12' - insulated	EA
OH8	& Overhead door & hardware - 8' x 7'	EA	S14-14	& Sectional overhead door, 14' x 14'	EA
OH8+	& Overhead door & hardware - 8' x 7' - High grade	EA	S14-14I	& Sectional overhead door, 14' x 14' - insulated	EA
OH8++	& Overhead door & hardware - 8' x 7' - Premium grade	EA	S16-10	& Sectional overhead door, 16' x 10'	EA
OH9-	& Overhead door & hardware - 9' x 7' - Standard grade	EA	S16-10I	& Sectional overhead door, 16' x 10' - insulated	EA
OH9	& Overhead door & hardware - 9' x 7'	EA	S16-12	& Sectional overhead door, 16' x 12'	EA
OH9+	& Overhead door & hardware - 9' x 7' - High grade	EA	S16-12I	& Sectional overhead door, 16' x 12' - insulated	EA
OH9++	& Overhead door & hardware - 9' x 7' - Premium grade	EA	SD3	& Steel door, 3' x 7'	EA

SD3FR	& Steel door, 3' x 7' - fire rated	EA
SD4	& Steel door, 4' x 7'	EA
SD4FR	& Steel door, 4' x 7' - fire rated	EA
SDF3	& Steel door frame - 3' opening	EA
SDF4	& Steel door frame - 4' opening	EA
SDF6	& Steel door frame - 6' opening	EA
SDF8	& Steel door frame - 8' opening	EA
SDFEM	+ Steel door frame - Add to install in existing masonry	EA
SDFNM	+ Steel door frame - Add to install in new masonry	EA
STRMD-	& Storm door assembly - Standard grade	EA
STRMD	& Storm door assembly	EA
STRMD+	& Storm door assembly - High grade	EA
STRMD++	& Storm door assembly - Premium grade	EA
STRMDRS+	Storm door assembly - Detach & reset	EA
WD4	+ Wood door - Add for 4' door width	EA
WD4FR	+ Wood door - Add for 4' door width, fire rated	EA
WD7	+ Wood door - Add for 7' door height	EA
WDB	& Wood door - Birch face, 5 or 7 ply hollow core	EA
WDBFR	& Wood door - Birch face, fire rated (mineral fiber core)	EA
WDBSC	& Wood door - Birch face, solid core	EA
WDL	& Wood door - Lauan face, 5 or 7 ply hollow core	EA
WDLFR	& Wood door - Lauan face, fire rated (mineral fiber core)	EA
WDLSC	& Wood door - Lauan face, solid core	EA
WDO	& Wood door - Oak face, 5 or 7 ply hollow core	EA
WDOFR	& Wood door - Oak face, fire rated (mineral fiber core)	EA
WDOSC	& Wood door - Oak face, solid core	EA
WDPNL	& Wood door - panel - solid pine	EA
WF	& Wood door frame & trim (for a 2" x 4" wall)	LF
WF6	& Wood door frame & trim (for a 2" x 6" wall)	LF
WFH	& Wood door frame & trim - hardwood (for a 2" x 4" wall)	LF
WFH6	& Wood door frame & trim - hardwood (for a 2" x 6" wall)	LF
WFHX	& Wood door frame & trim - exterior - hardwood	LF
WFHX7	& Wood door frame & trim - exterior - hardwood, 7 1/4" wide	LF
WFX	& Wood door frame & trim - exterior - softwood	LF
WFX7	& Wood door frame & trim - exterior - softwood, 7 1/4" wide	LF
WN	+ Add for glass light, up to 24" x 20"	EA
X-	& Exterior door - solid core lauan/mahogany or birch flush	EA
X	& Exterior door - metal - insulated - flush or panel style	EA
X+	& Exterior door - metal - insulated/wood - High grade	EA
X++	& Exterior door - Fiberglass/wood w/detail - Premium grade	EA
XRS	+ Exterior door - Detach & reset	EA
XSL	& Exterior door sidelite (window) - 12" - 14" width	EA
XSLRS	+ Exterior door sidelite (window) - Detach & reset	EA
XSM	& Exterior door with storm door - mobile home	EA
XSM+	& Exterior door with storm door - High grade - mobile home	EA

DRY = Drywall

1/2-	& 1/2" drywall - hung, taped, ready for texture	SF	WC
1/2	& 1/2" drywall - hung, taped, floated, ready for paint	SF	WC
1/2+	& 1/2" drywall - hung, taped, heavy texture, ready for paint	SF	WC
1/2++	& 1/2" drywall - hung, taped, with smooth wall finish	SF	WC
1/2FT	& 1/2" drywall - hung & fire taped only	SF	WC
1/2H	& 1/2" drywall - hung only (no tape or finish)	SF	WC
1/2OP	& 1/2" drywall over plaster with light texture	SF	WC
1/2WR	& 1/2" water rock (greenboard) hung, taped ready for texture	SF	WC
1/4WM	& 1/4" drywall - vinyl coated w/seam battens - mobile home	SF	
5/8-	& 5/8" drywall - hung, taped, ready for texture	SF	WC
5/8	& 5/8" drywall - hung, taped, floated, ready for paint	SF	WC
5/8+	& 5/8" drywall - hung, taped, heavy texture, ready for paint	SF	WC
5/8++	& 5/8" drywall - hung, taped, with smooth wall finish	SF	WC
5/8C	& 5/8" drywall - type C - hung, taped, light texture	SF	WC
5/8FT	& 5/8" drywall - hung & fire taped only	SF	WC

5/8H	& 5/8" drywall - hung only (no tape or finish)	SF	WC
AC-	& Acoustic ceiling (popcorn) texture - light	SF	C
AC	& Acoustic ceiling (popcorn) texture	SF	C
AC+	& Acoustic ceiling (popcorn) texture - heavy	SF	C
ACMN	+ Acoustic ceiling (popcorn) texture - Minimum charge	EA	
ADD12	+ Additional cost for high wall or ceiling, 12'- 15' high	SF	C
ADD16	+ Additional cost for high wall or ceiling, 16'- 19' high	SF	C
GLIT	+ Glitter application to acoustic ceiling	SF	C
HC	& Hat channel, 16" OC	SF	W
HC>	& Hat channel, 24" OC	SF	W
MASK	+ Mask room (40 - 70 lf) & prep for drywall or plaster work	EA	
MASKLF	+ Mask wall (per LF)	LF	PC
MN	+ Drywall repair - Minimum charge	EA	
MST2	& Metal studding, 2 1/2" wide, 16" OC, 25 Ga.	SF	W
MST2+	& Metal studding, 2 1/2" wide, 16" OC, 20 Ga.	SF	W
MST4	& Metal studding, 3 5/8" wide, 16" OC, 25 Ga.	SF	W
MST4+	& Metal studding, 3 5/8" wide, 16" OC, 20 Ga.	SF	W
MST6	& Metal studding, 6" wide, 16" OC, 25 Ga.	SF	W
MST6+	& Metal studding, 6" wide, 16" OC, 20 Ga.	SF	W
PATCH	+ Drywall patch, ready for paint	EA	
RADIANT	& Radiant heat - 1/2" double layer drywall (wire not incl.)	SF	C
RC	& Resilient channel (for sound) - 16" oc	SF	WC
RC>	& Resilient channel (for sound) - 24" oc	SF	WC
RND	+ Add for bullnose (rounded) corners	SF	WC
RNDLF	+ Add for bullnose (rounded) corners - per LF	LF	
SG	& Suspended grid system for drywall	SF	C
TEX-	+ Texture drywall - machine	SF	WC
TEX	+ Texture drywall - light hand texture	SF	WC
TEX+	+ Texture drywall - heavy hand texture	SF	WC
TEX++	+ Texture drywall - smooth / skim coat	SF	WC
ZC	& Z channel, 16" OC	SF	W
ZC>	& Z channel, 24" OC	SF	W

ELE = Electrical

110	& 110 volt wiring run, box and plug or switch	EA	
220	& 220 volt wiring run, box and receptacle	EA	
BBH<	& Baseboard electric heater - 4'	EA	
BBH	& Baseboard electric heater - 6'	EA	
BBH>	& Baseboard electric heater - 8'	EA	
BBH>>	& Baseboard electric heater - 10'	EA	
BBHRS	+ Baseboard electric heater - 4' to 6' - Detach & reset	EA	
BBHRS>	+ Baseboard electric heater - 8' to 10' - Detach & reset	EA	
BFAN<	& Bathroom fan, light, and heater - Small	EA	
BFAN	& Bathroom fan, light, and heater	EA	
BFAN>	& Bathroom fan, light, and heater - Large	EA	
BFANRS	+ Bathroom fan, light, and heater - Detach & reset	EA	
BPNL70	& Breaker panel - 70 amp	EA	
BPNL100	& Breaker panel - 100 amp	EA	
BPNL125	& Breaker panel - 125 amp	EA	
BPNL200	& Breaker panel - 200 amp	EA	
BPNL300	& Breaker panel - 300 amp	EA	
BPNLRS	+ Breaker panel - Detach & reset	EA	
BPNLRS<	+ Electrical breaker panel - 70 to 125 amp - Detach & rest	EA	
BRK	& Circuit breaker - 110 volt - single pole	EA	
BRK220	& Circuit breaker - 220 volt - double pole	EA	
BRKGF1	& Circuit breaker - ground-fault circuit-interrupter (GFI)	EA	
BRKMD	& Circuit breaker - main disconnect	EA	
CB<	& Circuit breaker - bolt-on - 1 pole, 15 to 50 amp	EA	
CB2<	& Circuit breaker - bolt-on - 2 pole, 15 to 50 amp	EA	
CB2	& Circuit breaker - bolt-on - 2 pole, 60 to 100 amp	EA	
CB3<	& Circuit breaker - bolt-on - 3 pole, 15 to 50 amp	EA	
CB3	& Circuit breaker - bolt-on - 3 pole, 60 to 100 amp	EA	

CB3>	& Circuit breaker - bolt-on - 3 pole, 225 amp	EA	
CB3>>	& Circuit breaker - bolt-on - 3 pole, 400 amp	EA	
CB3>>>	& Circuit breaker - bolt-on - 3 pole, 600 amp	EA	
CB400	& Main circuit breaker - 3 pole, 400 amp	EA	
CB600	& Main circuit breaker - 3 pole, 600 amp	EA	
CB800	& Main circuit breaker - 3 pole, 800 amp	EA	
CB1200	& Main circuit breaker - 3 pole, 1200 amp	EA	
CB2000	& Main circuit breaker - 3 pole, 2,000 amp	EA	
CBGFI	& Circuit breaker - bolt-on - ground-fault interrupter (GFI)	EA	
CBUTTON	& Door chime button (button only)	EA	
CHIME-	& Door chime - Standard grade	EA	
CHIME	& Door chime	EA	
CHIME+	& Door chime - High grade	EA	
CHIME++	& Door chime - Premium grade	EA	
CHIMERS	+ Door chime - Detach & reset	EA	
CO	& Carbon monoxide detector	EA	
CO-	& Carbon monoxide detector - Standard grade	EA	
CO+	& Carbon monoxide detector - High grade	EA	
CORS	+ Carbon monoxide detector - Detach & reset	EA	
CSF	& Commercial electrical (SF of bldg) - Average load	SF	F
CSF+	& Commercial electrical (SF of bldg) - Heavy load	SF	F
CSF++	& Commercial electrical (SF of bldg) - Extra heavy load	SF	F
DB400	& Distribution board - 400 amp, without breakers	EA	
DB600	& Distribution board - 600 amp, without breakers	EA	
DB800	& Distribution board - 800 amp, without breakers	EA	
DB1200	& Distribution board - 1200 amp, without breakers	EA	
DB2000	& Distribution board - 2000 amp, without breakers	EA	
EMT1/2	& Electrical metallic tubing, (conduit) 1/2"	LF	
EMT3/4	& Electrical metallic tubing, (conduit) 3/4"	LF	
EMT1	& Electrical metallic tubing, (conduit) 1"	LF	
EMT2	& Electrical metallic tubing, 2"	LF	
EMT3	& Electrical metallic tubing, 3"	LF	
EMT4	& Electrical metallic tubing, 4"	LF	
ENT1/2	& Electrical nonmetallic tubing, 1/2"	LF	
ENT3/4	& Electrical nonmetallic tubing, 3/4"	LF	
FLEX	& Flexible metal conduit, 1/2" to 1"	LF	
FAN-	& Exhaust fan - Standard grade	EA	
FAN	& Exhaust fan	EA	
FAN+	& Exhaust fan - High grade	EA	
FAN++	& Exhaust fan - Premium grade	EA	
FANRS	+ Exhaust fan - Detach & reset	EA	
GFI	& Ground-fault circuit-interrupter (GFI) outlet	EA	
GROD	& Grounding rod - copper clad with clamp, 8'	EA	
HTAPE	& Electrical heat tape - for exposed water lines - mobile home	LF	
HTAPERS	+ Electrical heat tape - detach & reset - mobile home	LF	
HNGR	& Conduit hanger or support for 1/2"- 1 1/2" conduit	EA	
HNGR>	& Conduit hanger or support for 2"- 4" conduit	EA	
ICM-	& Intercom - Master station - Standard grade	EA	
ICM	& Intercom - Master station	EA	
ICM+	& Intercom - Master station - High grade	EA	
ICM++	& Intercom - Master station - Premium grade	EA	
ICMRS	+ Master intercom station - Detach & reset	EA	
ICR	& Intercom - Remote station	EA	
ICR+	& Intercom - Remote station - High grade	EA	
ICRS	+ Intercom station - Detach & reset	EA	
JBOX	& Junction box	EA	
LV	& Phone / low voltage copper wiring	LF	
LV>	& Phone / low voltage copper wiring - Heavy gauge	LF	
MEG	+ Megameter check electrical circuits - average residence	EA	
METR<	& Meter base and main disconnect - 100 - 125 amp	EA	
METR	& Meter base and main disconnect - 200 amp	EA	
METR>	& Meter base and main disconnect - 300 amp	EA	
METR>>	& Meter base - 400 to 2000 amp	EA	
METRRS	+ Meter base and main disconnect - Detach & reset	EA	
MN	+ Electrical repair - Minimum charge	EA	
OL	& Phone, TV, or speaker outlet	EA	
OL220	& 220 volt outlet	EA	
OL220+	& 220 volt outlet - Heavy duty	EA	
OL220RS	+ 220 volt outlet - Detach & reset	EA	
OLRS	+ Phone, TV, or speaker outlet - Detach & reset	EA	
OS	& Outlet or switch	EA	
OS+	& Outlet or switch - High grade	EA	
OSBOX	& Outlet box - includes 4 connectors and plaster ring	EA	
OSRS	+ Outlet or switch - Detach & reset	EA	
PB100	& Panelboard - 120/240, 100 amp, single phase (per circuit)	EA	
PB100+	& Panelboard - 120/208, 100 amp, three phase (per circuit)	EA	
PB100++	& Panelboard - 277/480, 100 amp, three phase (per circuit)	EA	
PB225	& Panelboard - 120/240, 225 amp, single phase (per circuit)	EA	
PB225+	& Panelboard - 120/208, 225 amp, three phase (per circuit)	EA	
PB225++	& Panelboard - 277/480, 225 amp, three phase (per circuit)	EA	
PB400	& Panelboard - 120/240, 400 amp, single phase (per circuit)	EA	
PB400+	& Panelboard - 120/208, 400 amp, three phase (per circuit)	EA	
PB400++	& Panelboard - 277/480, 400 amp, three phase (per circuit)	EA	
PB600+	& Panelboard - 120/208, 600 amp, three phase (per circuit)	EA	
PB600++	& Panelboard - 277/480, 600 amp, three phase (per circuit)	EA	
PBRS	+ Panelboard - detach and reset	EA	
PLBOX	& Pull box for 3/4"-2" conduit - with 2 connectors and plate	EA	
PLBOX>	& Pull box for 2"- 4" conduit - with 2 connectors and plate	EA	
PVC1/2	& PVC schedule 40 conduit, 1/2"	LF	
PVC3/4	& PVC schedule 40 conduit, 3/4"	LF	
PVC1	& PVC schedule 40 conduit, 1"	LF	
PVC2	& PVC schedule 40 conduit, 2"	LF	
PVC3	& PVC schedule 40 conduit, 3"	LF	
PVC4	& PVC schedule 40 conduit, 4"	LF	
RADIANT	+ Radiant heat - wiring only	SF	C
RC1/2	& Rigid conduit, 1/2"	LF	
RC3/4	& Rigid conduit, 3/4"	LF	
RC1	& Rigid conduit, 1"	LF	
RC1-1/2	& Rigid conduit, 1 1/2"	LF	
RC2	& Rigid conduit, 2"	LF	
RC2-1/2	& Rigid conduit, 2 1/2"	LF	
REWIRE	+ Rewire - average residence - copper wiring	SF	F
SB400	& Switchboard (main disconnect) - 400 amp, up to 600 volt	EA	
SB600	& Switchboard (main disconnect) - 600 amp, up to 600 volt	EA	
SB800	& Switchboard (main disconnect) - 800 amp, up to 600 volt	EA	
SB1200	& Switchboard (main disconnect) - 1200 amp, up to 600 volt	EA	
SB2000	& Switchboard (main disconnect) - 2000 amp, up to 600 volt	EA	
SBRS	+ Switchboard - Detach and reset	EA	
SECC	+ Security system - contact w/wire (per opening)	EA	
SECC+	+ Security system - contact w/wire (per opening)- High grade	EA	
SECK	+ Security system - key pad	EA	
SECK+	+ Security system - key pad - High grade	EA	
SECM	+ Security system - pressure mat	SF	
SECMD	+ Security system - motion detector	EA	
SECP	+ Security system - control panel	EA	
SECP+	+ Security system - control panel - High grade	EA	
SECPH	+ Security system - photo-electric beam	EA	
SFLX1/2	& Sealtite flexible conduit, 1/2"	LF	
SFLX3/4	& Sealtite flexible conduit, 3/4"	LF	
SFLX1	& Sealtite flexible conduit, 1"	LF	
SFLX2	& Sealtite flexible conduit, 2"	LF	
SMOKE-	& Smoke detector - Standard grade	EA	
SMOKE	& Smoke detector	EA	
SMOKE+	& Smoke detector - High grade	EA	

SMOKE++	& Smoke detector - Premium grade	EA
SMOKERS+	& Smoke detector -Detach & reset	EA
SS100	& Safety switch (disconnect) - 100 amp	EA
SS200	& Safety switch (disconnect) - 200 amp	EA
SS400	& Safety switch (disconnect) - 400 amp	EA
SS800	& Safety switch (disconnect) - 800 amp	EA
TRUNK-	& Trunk cable - Light gauge copper	LF
TRUNK	& Trunk cable - copper conductors	LF
TRUNK+	& Trunk cable - Heavy gauge copper	LF
TRUNK++	& Trunk cable - Extra heavy gauge copper conductors	LF
TS	& Thermostat - electric heat	EA
TS+	& Thermostat - electric heat - High grade	EA
TSB	& Thermostat - electric heat - baseboard mounted	EA
TV-	& Television antenna - Standard grade	EA
TV	& Television antenna	EA
TV+	& Television antenna - High grade	EA
TV++	& Television antenna - Premium grade	EA
TVRS	+ Television antenna - Detach & reset	EA
W110	& 110 volt wiring (12/2 copper conductor with ground)	LF
W220	& 220 volt wiring (8/3 copper conductor with ground)	LF
W12	& #12 to #16 gauge copper wire - stranded or solid	LF
W8	& #8 to #10 gauge copper wire - stranded or solid	LF
W4	& #4 to #6 gauge copper wire - stranded or solid	LF
W2	& #2 gauge copper wire - stranded or solid	LF
W1/0	& 1/0 to #1 gauge copper cable	LF
W4/0	& 4/0 to 2/0 gauge copper cable	LF
W250MCM	& 250 MCM copper cable	LF
W500MCM	& 500 MCM copper cable	LF
WALL	& Wall heater	EA
WALL+	& Wall heater - High grade	EA
WALL++	& Wall heater - Premium grade	EA
XOS	& Exterior outlet or switch	EA
XOSRS	+ Exterior outlet or switch - Detach & reset	EA

ELS = Electrical - Special Systems

BITV	& Built-in large screen television	EA
CVAC	& Central vacuum - cleaning system	EA
CVAC+	& Central vacuum - cleaning system - large	EA
DISH	& Digital satellite system with one receiver	EA
DISH+	& Digital satellite system with dual receiver capabilities	EA
DISH++	& 7' 6" Digital satellite dish with controller and receiver	EA
DISHR	& Receiver for digital satellite system	EA
FA	& Fire alarm system (per detector)	EA
IC	& Intercom system (per station)	EA
ICM	& Intercom - Master station	EA
ICM+	& Intercom - Master station - High grade	EA
ICM++	& Intercom - Master station - Premium grade	EA
ICR	& Intercom - Remote station	EA
ICR+	& Intercom - Remote station - High grade	EA
ICRS	+ Intercom station - Detach & reset	EA
LPS	& Lightning protection system	EA
PLITE	& Programmable lighting system	EA
SD	& Smoke detector	EA
SD+	& Smoke detector - High grade	EA
SD++	& Smoke detector - Premium grade	EA
SDRS	+ Smoke detector - Detach & reset	EA
SECC	& Security system - contact w/wire (per opening)	EA
SECC+	& Security system - contact w/wire (per opening) High grade	EA
SECK	& Security system - key pad	EA
SECK+	& Security system - key pad - High grade	EA
SECM	& Security system - pressure mat	SF
SECMD	& Security system - motion detector	EA

SECP	& Security system - control panel	EA
SECP+	& Security system - control panel - High grade	EA
SECPH	& Security system - photo electric beam	EA
SHOME	& Home management system (Smart home)	EA
SOLARP	& Solar electric panel	EA
SOLARRS	+ Solar electric panel - detach & reset	EA
SURVC	& Surveillance camera - color	EA
SURVM	& Surveillance monitor - 14" color	EA
SURVS	& Surveillance system - cameras, monitors, etc	EA
SND	& Sound system (per outlet)	EA

EQU = Equipment

BHOE	+ Backhoe and operator	HR
COMP	+ Walk behind drum compactor and operator	HR
COMP<	+ Walk behind plate compactor and operator	HR
COMP>	+ Riding drum compactor and operator	HR
CRANE	+ Crane and operator - 17 ton capacity - 65 extension boom	HR
DOZER	+ Dozer/crawler and operator	HR
DTRUK	+ Dump truck and operator - 10 ton	HR
DTRUK<	+ Single axle dump truck and operator	HR
LOADER	+ Front end wheel loader and operator	HR
SKID	+ Skid steer loader and operator	HR
TRHOE	+ Trackhoe/excavator and operator	HR

EXC = Excavation

GRAV	+ Gravel (per CY)	CY
TSOIL	+ Topsoil (per CY)	CY

FCC = Floor Covering - Carpet

AV-	& Carpet - (material and labor) - Standard grade	SF	F
AV	& Carpet - (material and labor)	SF	F
AV+	& Carpet - (material and labor) - High grade	SF	F
AV++	& Carpet - (material and labor) - Premium grade	SF	F
AVB	+ Additional labor cost for Berber or patterned carpets	SF	F
AVRS	+ Carpet - Detach & relay	SF	F
COVE	& Carpet cove (wall wrap)	LF	PF
COVE>	& Carpet cove (wall wrap) - High	LF	PF
COVE>>	& Carpet cove (wall wrap) - Extra high	LF	PF
CP-	& Cut pile carpet - 24 oz.	SF	F
CP	& Cut pile carpet - 36 oz.	SF	F
CP+	& Cut pile carpet - 46 oz.	SF	F
CP++	& Cut pile carpet - 54 oz.	SF	F
EDGE	& Carpet - metal transition strip	LF	
FP	+ Floor prep (scrape rubber back residue)	SF	F
GD-	& Glue down carpet - Standard grade	SF	F
GD	& Glue down carpet	SF	F
GD+	& Glue down carpet - High grade	SF	F
GD++	& Glue down carpet - Premium grade	SF	F
GDC	& Glue down carpet - Commercial grade	SF	F
I/O-	& Indoor / outdoor carpet - Standard grade	SF	F
I/O	& Indoor / outdoor carpet	SF	F
I/O+	& Indoor / outdoor carpet - High grade	SF	F
I/O++	& Indoor / outdoor carpet - Premium grade	SF	F
LAY	+ Lay carpet - labor only	SF	F
LP-	& Loop pile carpet - 20 oz.	SF	F
LP	& Loop pile carpet - 26 oz.	SF	F
LP+	& Loop pile carpet - 36 oz.	SF	F
MN	+ Carpet - Minimum charge	EA	
PAD-	& Carpet pad - Standard grade	SF	F
PAD	& Carpet pad	SF	F
PAD+	& Carpet pad - High grade	SF	F
PAD++	& Carpet pad - Premium grade	SF	F

PFE	& Pad - felt, 5/16"	SF	F
PRE3/8	& Pad - rebound, 3/8", 7 lb.	SF	F
SEAMS	+ Seam carpet	LF	
STP	+ Step charge for carpet installation	EA	
STP+	+ High grade step wrap charge	EA	
WOOL	& Carpet - wool - looped	SF	F
WOOL+	& Carpet - wool - cut	SF	F

FCR = Floor Covering - Resilient

RSR	& Stair riser - resilient - 7" high, 1/8" thick	LF	
SNO	& Stair nosing safety tread - 1 1/2"x 3"	LF	
STR	& Stair tread - 12" wide, 5/16" thick	LF	
TA	& Tile - asphalt	SF	F
TA+	& Tile - asphalt, High grade	SF	F
TFU	& Tile - Futuras (tufted rubber), 12"x 12"	SF	F
TRU	& Tile - rubber, 1/8" thick	SF	F
TV	& Tile - vinyl	SF	F
TV+	& Tile - vinyl - High grade	SF	F
TV++	& Tile - vinyl - Premium grade	SF	F
TVC	& Tile - vinyl composition	SF	F
TVC+	& Tile - vinyl composition - High grade	SF	F
TVC++	& Tile - vinyl composition - Premium grade	SF	F

FCS = Floor Covering - Stone

AV	& Stone floor covering	SF	F
AV+	& Stone floor covering - High grade	SF	F
AVRS	+ Stone floor covering - Detach & reset	SF	F
GROUT	+ Regrout stone floor	SF	F
MBL	& Marble or Granite floor tile 12" x 12"	SF	F
MBL+	& Marble or Granite floor tile 12" x 12" - High grade	SF	F
MN	+ Stone floor covering - Minimum charge	EA	
SLATE	& Slate floor covering	SF	F
SLATE+	& Slate floor covering - High grade	SF	F
SLATERS	+ Slate floor covering - Detach & reset	SF	F
TZ2	& Terrazzo - bonded to substrate, 2" thick	SF	F
TZ3	& Terrazzo - over sand cushion, 3" thick	SF	F
TZB	& Terrazzo cove base, 4" to 6" high	LF	PF
TZBRASS	+ Terrazzo - Add for brass strips	SF	F
TZCLR	+ Terrazzo - Add for 2 colors of terrazzo	SF	F
TZEPX	+ Terrazzo - Epoxy system, 1/4" thick	SF	F
TZR	+ Terrazzo resurfacing - grind and re-seal	SF	F

FCT = Floor Covering - Ceramic Tile

AV-	& Tile floor covering - Standard grade - glued to sub-floor	SF	F
AV	& Tile floor covering	SF	F
AV+	& Tile floor covering - High grade	SF	F
AV++	& Tile floor covering - Premium grade	SF	F
B	& Tile base	LF	PF
GROUT	+ Regrout tile floor	SF	F
MN	+ Tile floor covering - Minimum charge	EA	
MORTAR	+ Mortar bed for tile floors	SF	F
QT	& Quarry tile floor	SF	F
QT+	& Quarry tile floor - High grade	SF	F
QT++	& Quarry tile floor - Premium grade	SF	F
TRAV	& Travertine tile	SF	F

FCV = Floor Covering - Vinyl

AV-	& Vinyl floor covering (sheet goods) - Standard grade	SF	F
AV	& Vinyl floor covering (sheet goods)	SF	F
AV+	& Vinyl floor covering (sheet goods) - High grade	SF	F
AV++	& Vinyl floor covering (sheet goods) - Premium grade	SF	F
CB2	& Cove base molding - rubber or vinyl, 2" high	LF	PF

CB3	& Cove base molding - rubber or vinyl, 3" high	LF	PF
CB4	& Cove base molding - rubber or vinyl, 4" high	LF	PF
COVE	& Vinyl cove	LF	PF
COVE>	& Vinyl cove - High wrap	LF	PF
COVE>>	& Vinyl cove - Very high wrap	LF	PF
MN	+ Vinyl floor covering - Minimum charge	EA	
PREP	+ Floor preparation for sheet goods	SF	F
PREP+	+ Floor preparation for sheet goods - Heavy	SF	F
RT-	& Resilient (v/a type) tile flooring - Standard grade	SF	F
RT	& Resilient (v/a type) tile flooring	SF	F
RT+	& Resilient (v/a type) tile flooring - High grade	SF	F
RT++	& Resilient (v/a type) tile flooring - Premium grade	SF	F
UL1/4	& Underlayment - 1/4" lauan/mahogany plywood	SF	F
UL1/4M	& Underlayment - 1/4" Masonite	SF	F
UL1/4P	& Underlayment - 1/4" BC plywood	SF	F
UL1/4W	& Underlayment - 1/4" waterproof waferboard	SF	F
UL1/2	& Underlayment - 1/2" particle board	SF	F
UL1/2P	& Underlayment - 1/2" plywood	SF	F
UL3/8	& Underlayment - 3/8" particle board	SF	F
UL3/8P	& Underlayment - 3/8" plywood	SF	F
UL5/8	& Underlayment - 5/8" particle board	SF	F
UL3/4	& Underlayment - 3/4" particle board	SF	F
V-	& Vinyl tile - Standard grade	SF	F
V	& Vinyl tile	SF	F
V+	& Vinyl tile - High grade	SF	F
V++	& Vinyl tile - Premium grade	SF	F

FCW = Floor Covering - Wood

AV-	& Hardwood floor covering - Standard grade	SF	F
AV	& Hardwood floor covering	SF	F
AV+	& Hardwood floor covering - High grade	SF	F
AV++	& Hardwood floor covering - Premium grade	SF	F
AVPF	& Pre-finished solid wood flooring	SF	F
AVPF+	& Pre-finished solid wood flooring (High grade)	SF	F
AVPF++	& Pre-finished solid wood flooring (Premium grade)	SF	F
FIN-	+ Sand and seal wood floor	SF	F
FIN	+ Sand & finish wood floor (natural finish)	SF	F
FIN+	+ Sand, stain, and finish wood floor	SF	F
FINMN	+ Finish wood floor - Minimum charge	EA	
FINSC	+ Screen and coat wood floor	SF	F
FIR-	& Fir subfloor - no finish	SF	F
FIR	& Fir floor - stain grade	SF	F
FS	& Felt and sleepers/underlay - wood floor over concrete	SF	F
LAM-	& Laminated wood flooring - Standard grade	SF	F
LAM	& Laminated wood flooring	SF	F
LAM+	& Laminated wood flooring - High grade	SF	F
LAMB	& Baseboard - for laminate flooring	LF	PF
LAME	& End molding - for laminate flooring	LF	
LAMQ	& Quarter round - for laminate flooring	LF	PF
LAMR	& Reducer strip - for laminate flooring	LF	
LAMS	& Stair nosing - for laminate flooring	LF	
LAMT	& T-molding - for laminate flooring	LF	
LAMTD	& Engineered wood flooring - Oak plank	SF	F
LAMTD+	& Engineered wood flooring - Ash or Maple	SF	F
LAMTD++	& Engineered wood flooring - Brazilian Cherry or Walnut	SF	F
M	& Maple floor (gymnasium style)	SF	F
M+	& Maple floor (gymnasium style) - High grade	SF	F
M++	& Maple floor (gymnasium style) - Premium grade	SF	F
MN	+ Wood floor covering - Minimum charge	EA	
OPL	& Oak floor planked w/plugs (i.e., Bruce)	SF	F
PQ-	& Parquet flooring - Standard grade	SF	F
PQ	& Parquet flooring	SF	F

PQ+	& Parquet flooring - High grade	SF	F
PQ++	& Parquet flooring - Premium grade	SF	F
SOFT-	& Softwood flooring - Standard grade	SF	F
SOFT	& Softwood flooring	SF	F
SOFT+	& Softwood flooring - High grade	SF	F
SOFT++	& Softwood flooring - Premium grade	SF	F
WPQ	& Walnut parquet floor	SF	F
WPQ+	& Walnut parquet floor - High grade	SF	F
WPQ++	& Walnut parquet floor - Premium grade	SF	F

FEE = Permits & Fees

ASBT	+ Asbestos test fee	EA	
ASBTS	+ Asbestos test fee (per sample)	EA	
PLAN	+ Architectural/Drafting fees (Bid item)	EA	
RADON	+ Radon test fee - full service radon survey	EA	
RADONS	+ Radon test fee (per sample)	EA	
TIPF	+ Taxes, insurance, permits & fees (Bid item)	EA	

FEN = Fencing

BARB	& Barbed wire - 3 strands mounted on wire arm	LF	
BW	& Basket weave fence - 2' to 4' high	LF	
BW>	& Basket weave fence - 4' to 6' high	LF	
BWGT	& Basket weave fence gate - 2' to 4' high	LF	
BWGT>	& Basket weave fence gate - 4' to 6' high	LF	
CL3	& Chain link fence - 3'	LF	
CL4	& Chain link fence - 4'	LF	
CL5	& Chain link fence - 5'	LF	
CL6	& Chain link fence - 6'	LF	
CL7	& Chain link fence, 7' high	LF	
CLFRS	+ Chain link fence fabric - Detach & reset	SF	
CLGT3	& Chain link fence gate - 3' high - rolling	LF	
CLGT4	& Chain link fence gate - 4' high - rolling	LF	
CLGT5	& Chain link fence gate - 5' high - rolling	LF	
CLGT6	& Chain link fence gate - 6' high - rolling	LF	
CLGTRS	+ Chain link fence gate - rolling - Detach & reset	LF	
CLGTS3	& Chain link fence gate - 3' high - swinging	LF	
CLGTS4	& Chain link fence gate - 4' high - swinging	LF	
CLGTS5	& Chain link fence gate - 5' high - swinging	LF	
CLGTS6	& Chain link fence gate - 6' high - swinging	LF	
CLGTSRS+	Chain link fence gate - swinging - Detach & reset	LF	
CLGTV3	& Chain link fence gate - vinyl coated - 3' high - rolling	LF	
CLGTV4	& Chain link fence gate - vinyl coated - 4' high - rolling	LF	
CLGTV5	& Chain link fence gate - vinyl coated - 5' high - rolling	LF	
CLGTV6	& Chain link fence gate - vinyl coated - 6' high - rolling	LF	
CLGTVS3	& Chain link fence gate - vinyl coated - 3' high - swinging	LF	
CLGTVS4	& Chain link fence gate - vinyl coated - 4' high - swinging	LF	
CLGTVS5	& Chain link fence gate - vinyl coated - 5' high - swinging	LF	
CLGTVS6	& Chain link fence gate - vinyl coated - 6' high - swinging	LF	
CLPS	+ Chain link fence - vinyl privacy slats	SF	
CLTOPR	& Chain-link fence - top rail	LF	
CLV3	& Chain link fence - vinyl coated - 3'	LF	
CLV4	& Chain link fence - vinyl coated - 4'	LF	
CLV5	& Chain link fence - vinyl coated - 5'	LF	
CLV6	& Chain link fence - vinyl coated - 6'	LF	
MN	+ Fencing repair - Minimum charge	EA	
OPEN-	& Electric gate opener - Standard grade	EA	
OPEN	& Electric gate opener	EA	
OPEN+	& Electric gate opener - High grade	EA	
P	& Picket fence, 3' to 4' high	LF	
P>	& Picket fence, 5' to 6' high	LF	
PGT	& Picket fence gate - 3' to 4' high	LF	
PGT>	& Picket fence gate - 5' to 6' high	LF	

POST4	& Post - 4' fence	EA	
POST5	& Post - 5' fence	EA	
POST6	& Post - 6' fence	EA	
RAIL	& Wood fence rail - 2" x 4" x 8'	EA	
RAILT	& Wood fence rail - 2" x 4" x 8' - treated	EA	
RAZOR	& Razor wire installed on top of a chain link fence	LF	
SCTN4RS	+ Wood fence 3'-4' high - Remove & reset - per 8' section	EA	
SCTN6RS	+ Wood fence 5'-6' high - Remove & reset - per 8' section	EA	
SLAT4	& Wood fence slat 3'-4' high	EA	
SLAT4T	& Wood fence slat 3'-4' high - treated	EA	
SLAT6	& Wood fence slat 5'-6' high	EA	
SLAT6T	& Wood fence slat 5'-6' high - treated	EA	
SLATRS	& Wood fence slat - Detach & reset	EA	
TRMTL	& Post - terminal - metal	EA	
TRWD	& Post - terminal - wood	EA	
TRWDT	& Post - terminal - treated wood	EA	
VMN	+ Vinyl fence repair - Minimum charge	EA	
VNL4	& Vinyl (PVC) fence, 3'-4' high - installed	LF	
VNL6	& Vinyl (PVC) fence, 5'-6' high - installed	LF	
VNLGT4	& Vinyl (PVC) fence gate, 3'-4' high - installed	LF	
VNLGT6	& Vinyl (PVC) fence gate, 5'-6' high - installed	LF	
WDF4	& Wood fence 3'-4' high	LF	
WDF4T	& Wood fence 3'-4' high - treated	LF	
WDF6	& Wood fence 5'-6' high	LF	
WDF6T	& Wood fence 5'-6' high - treated	LF	
WDGT4	& Wood gate 3'-4' high	LF	
WDGT4	& Wood gate 3'-4' high - treated	LF	
WDGT6	& Wood gate 5'-6' high	LF	
WDGT6	& Wood gate 5'-6' high - treated	LF	
WDGTRS	+ Wood gate - Detach & reset	LF	

FNC = Finish Carpentry/Trimwork

1X2	& Trim board - 1" x 2" - installed	LF	
1X2C	& Trim board - 1" x 2" - installed (cedar)	LF	
1X2R	& Trim board - 1" x 2" - installed (redwood)	LF	
1X4	& Trim board - 1" x 4" - installed	LF	
1X4C	& Trim board - 1" x 4" - installed (cedar)	LF	
1X4R	& Trim board - 1" x 4" - installed (redwood)	LF	
1X6	& Trim board - 1" x 6" - installed	LF	
1X6C	& Trim board - 1" x 6" - installed (cedar)	LF	
1X6R	& Trim board - 1" x 6" - installed (redwood)	LF	
1X8	& Trim board - 1" x 8" - installed	LF	
1X8C	& Trim board - 1" x 8" - installed (cedar)	LF	
1X8R	& Trim board - 1" x 8" - installed (redwood)	LF	
1X10	& Trim board - 1" x 10" - installed	LF	
1X10C	& Trim board - 1" x 10" - installed (cedar)	LF	
1X10R	& Trim board - 1" x 10" - installed (redwood)	LF	
1X12	& Trim board - 1" x 12" - installed	LF	
1X12C	& Trim board - 1" x 12" - installed (cedar)	LF	
1X12R	& Trim board - 1" x 12" - installed (redwood)	LF	
1XRS	+ Trim board - 1" x 2" to 1" x 6" - Detach & reset	LF	
1XRS>	+ Trim board - 1" x 8" to 1" x 12" - Detach & reset	LF	
ATTIC	& Attic entrance cover and trim	EA	
B	& Baseboard - 2 1/4"	LF	PF
B+	& Baseboard - 2 1/4" stain grade	LF	PF
B2M	& Baseboard - 2 1/4" MDF	LF	
B2M+	& Baseboard - 2 1/4" MDF w/detail	LF	
B3	& Baseboard - 3 1/4"	LF	PF
B3+	& Baseboard - 3 1/4" stain grade	LF	PF
B3H	& Baseboard - 3 1/4" hardwood	LF	PF
B3H+	& Baseboard - 3 1/4" hardwood - molded w/detail	LF	PF
B3H++	& Baseboard - 3 1/4" hardwood - molded w/intricate detail	LF	PF

BMP	& Bumper for loading dock	EA
BRUSH	& Brush and cup holder	EA
BRUSHRS+	Brush and cup holder - Detach & reset	EA
CHK	& Ceiling hook	EA
CHKRS	+ Ceiling hook - Detach & reset	EA
DB-	& Deadbolt - Standard grade	EA
DB	& Deadbolt	EA
DB+	& Deadbolt - High grade	EA
DB++	& Deadbolt - Premium grade	EA
DBRS	+ Deadbolt - Detach & reset	EA
CDB	& Deadbolt - Commercial grade	EA
CDB+	& Deadbolt - Heavy duty - Commercial grade	EA
CDBRS	+ Deadbolt - Commercial grade - Detach & reset	EA
DBX	& Door lockset & deadbolt - exterior	EA
DBX+	& Door lockset & deadbolt - exterior - High grade	EA
DBX++	& Door lockset & deadbolt - exterior - Premium grade	EA
DC	& Door closer	EA
DC+	& Door closer - High grade	EA
DC++	& Door closer - Premium grade	EA
CDC	& Door closer - Commercial grade	EA
CDC+	& Door closer - Heavy duty - Commercial grade	EA
CDCRS	+ Door closer - Commercial grade - Detach & reset	EA
DCH	& Door security chain set	EA
DCRS	+ Door closer - Detach & reset	EA
DORH-	& Door lockset - interior - Standard grade	EA
DORH	& Door lockset - interior	EA
DORH+	& Door lockset - interior - High grade	EA
DORH++	& Door lockset - interior - Premium grade	EA
DORHRS	+ Door lockset - Detach & reset	EA
DORHX-	& Door lockset - exterior - Standard grade	EA
DORHX	& Door lockset - exterior	EA
DORHX+	& Door lockset - exterior - High grade	EA
DORHX++	& Door lockset - exterior - Premium grade	EA
FB	& Flush bolts (set of 2)	EA
HANG	& Clothes hanger - door mounted	EA
HING4	& Door hinge, 4" ball bearing (set of 3)	EA
HING4+	& Door hinge, 4" ball bearing w/non-removable pin (set of 3)	EA
HINGE-	& Door hinges - Standard grade (per set)	EA
HINGE	& Door hinges (per set)	EA
HINGE+	& Door hinges - High grade (per set)	EA
HINGERS	+ Door hinges - per set - Detach & reset	EA
HOLD	+ Door hold open	EA
HOLDRS	+ Door hold open - Detach & reset	EA
KICK	& Door kick plate - 16 gauge, 8" x 34"	EA
KNOCK	& Door knocker	EA
KNOCKRS+	Door knocker - Detach & reset	EA
LKR	& Locker - 12" wide x 60" high x 15" deep	EA
LKRD	& Double locker - 12" wide x 60" high x 15" deep	EA
LOKK	& Lockset - keyed - Medium duty - Commercial grade	EA
LOKK+	& Lockset - keyed - Heavy duty - Commercial grade	EA
LOKP	& Lockset - passage - Medium duty - Commercial grade	EA
LOKRS	+ Lockset - Commercial grade - Detach & reset	EA
MN	+ Finish hardware repair - Minimum charge	EA
PEEP	& Door peep hole	EA
PEEPRS	+ Door peep hole - Detach & reset	EA
PH	& Panic hardware - rim series (bar and latch, no rods)	EA
PHCR	& Panic hardware with concealed vertical rods	EA
PHXR	& Panic hardware with external vertical rods	EA
PKT	& Pocket door hardware	EA
PKTL	& Pocket door latch	EA
PKTLRS	+ Pocket door latch - Detach & reset	EA
PULL	& Door pull plate, 4" x 16"	EA

PUSH	& Door push plate, 4" x 16"	EA
ROBE	& Robe hook	EA
ROBERS	+ Robe hook - Detach & reset	EA
SDISH	& Soap dish	EA
SDISHRS	+ Soap dish - Detach & reset	EA
SDISP	& Soap dispenser	EA
SDISPRS	+ Soap dispenser - Detach & reset	EA
SHLDR	& Soap holder - recessed	EA
SHLDRRS	+ Soap holder - recessed - Detach & reset	EA
SHWI	& Shelving - wire (vinyl coated)	LF
SHWIRS	+ Shelving - wire (vinyl coated) - Detach & reset	LF
SROD	& Shower curtain rod	EA
SRODRS	+ Shower curtain rod - Detach & reset	EA
SS	+ Smoke seal	LF
SW	& Door sweep	EA
TBAR-	& Towel bar - Standard grade	EA
TBAR	& Towel bar	EA
TBAR+	& Towel bar - High grade	EA
TBAR++	& Towel bar - Premium grade	EA
TBARRS	+ Towel bar - Detach & reset	EA
THR	& Door threshold	EA
THRA	& Door threshold, aluminum	LF
THRR	& Door threshold, rubber	LF
THRW	& Door threshold, wood	LF
TP-	& Toilet paper holder - Standard grade	EA
TP	& Toilet paper holder	EA
TP+	& Toilet paper holder - High grade	EA
TP++	& Toilet paper holder - Premium grade	EA
TPRS	+ Toilet paper holder - Detach & reset	EA
TR-	& Towel ring - Standard grade	EA
TR	& Towel ring	EA
TR+	& Towel ring - High grade	EA
TR++	& Towel ring - Premium grade	EA
TRRS	+ Towel ring - Detach & reset	EA
TW	& Towel warmer - Free standing portable electric	EA
TW+	& Towel warmer - Electric floor mounted - Brass or Chrome	EA
WCH-	& Wash cloth holder - Standard grade	EA
WCH	& Wash cloth holder	EA
WCH+	& Wash cloth holder - High grade	EA
WCH++	& Wash cloth holder - Premium grade	EA
WCHRS	+ Wash cloth holder - Detach & reset	EA
WS	& Door weather stripping	EA

FPL = Fireplaces

AV	& Masonry fireplace & chimney - single story home	EA
AV+	& Masonry fireplace & chimney - single story home - High grd	EA
AV>	& Masonry fireplace & chimney - two story home	EA
AV>+	& Masonry fireplace & chimney - two story home - High grd	EA
AVCHLF	& Add for tall masonry chimney over 15' (per vertical LF)	LF
AVTRIM	+ Upgraded zero cncce fireplace trim - add on	EA
AVTRIM+	+ Upgraded for high grade zero cncce fireplace trim	EA
AVZCHLF	& Add for zero clearance chimney over 15' (per vertical LF)	LF
AVZDV	& Fireplace, zero cncce, direct vent, w/venting	EA
AVZDV+	& Fireplace, zero cncce, direct vent, w/venting - high grade	EA
AVZG	& Fireplace, zero cncce, gas burning, w/venting	EA
AVZG+	& Fireplace, zero cncce, gas burning, w/venting - high grade	EA
AVZW	& Fireplace, zero cncce, wood burning w/venting	EA
AVZW+	& Fireplace, zero cncce, wood burning w/venting - high grade	EA
BLWR	& Direct vent fireplace blower - add on	EA
BVENT	& Fireplace B-vent per LF	EA
DMP	& Fireplace damper	EA
FACB	& Fireplace face, brick	SF

FACST	& Fireplace face, cultured stone	SF
FACST+	& Fireplace face, natural stone	SF
FLCP	& Flue cap	EA
FLUE	& Flue tile liner	LF
GDOR-	& Glass fireplace door - Standard grade	EA
GDOR	& Glass fireplace door	EA
GDOR+	& Glass fireplace door - High grade	EA
GDOR++	& Glass fireplace door - Premium grade	EA
GCORRS	+ Glass fireplace door - Detach & reset	EA
GLOG	& Fireplace gas log set - 18" to 24"	EA
GLOG>	& Fireplace gas log set - 30"	EA
GLOGRS	+ Fireplace gas log set - Detach & reset	EA
GRATE	& Fireplace grate	EA
HRTH-	& Fireplace hearth - tile	SF
HRTH	& Fireplace hearth - brick	SF
HRTH+	& Fireplace hearth - marble	SF
HRTHRS	+ Fireplace hearth - Detach & reset	SF
MBOX36	& Metal firebox unit - 36"- zero clearance	EA
MBOX42	& Metal firebox unit - 42"- zero clearance	EA
MN	+ Fireplace repair - Minimum charge	EA
MNTL-	& Fireplace mantel - wood beam or shelf only (per LF)	LF
MNTL	& Fireplace mantel - paint grade - prefab.	EA
MNTL+	& Fireplace mantel - stain grade or hardwood - prefab.	EA
RF	+ Refurbish wood stove - no trim	EA
RF+	+ Refurbish wood stove - with trim	EA
RF++	+ Refurbish wood stove - with highly decorative trim	EA
SCR-	& Fireplace screen - Standard grade	EA
SCR	& Fireplace screen	EA
SCR+	& Fireplace screen - High grade	EA
SCR++	& Fireplace screen - Premium grade	EA
SCRRS	+ Fireplace screen - Detach & reset	EA
STOVE	& Wood stove - Small size	EA
STOVE>	& Wood stove - Medium size	EA
STOVE>>	& Wood stove - Large size	EA
STOVB	+ Blower - upgrade charge for a wood stove	EA
STOVBEBD	+ Brass door - upgrade charge for a wood stove	EA
STOVBEBL	+ Brass legs - upgrade charge for a wood stove	EA
STOVECL	+ Black cast legs - upgrade charge for a wood stove	EA
STOVEEG	+ Etched glass - upgrade charge for a wood stove	EA
STOVEP	+ Pedestal base - upgrade charge for a wood stove	EA
STOVERS	+ Wood stove - Detach & reset	EA
SW6	& Single wall flue - black, 6"	LF
SW8	& Single wall flue - black, 8"	LF
TRI	& Triple wall or insulated high temperature flue	LF
TRIRF	& Triple wall flue roof installation kit	EA

FPS = Fire Protection System

ANSUL	& Ansul fire extinguisher system above cooking area	EA
AVR4	& Alarm and valve riser, 4"	EA
AVR6	& Alarm and valve riser, 6"	EA
BFP2	& Backflow preventer, 2 1/2"	EA
BFP4	& Backflow preventer, 4"	EA
BFP6	& Backflow preventer, 6"	EA
BFP8	& Backflow preventer, 8"	EA
BFP10	& Backflow preventer, 10"	EA
FRP	+ Freeze-proof system - additional charge	SF F
FRX	& 5 lb. ABC fire extinguisher	EA
FRX10	& 10 lb. ABC fire extinguisher	EA
FRX20	& 20 lb. ABC fire extinguisher	EA
FXCAB	& Fire extinguisher and cabinet, 14" x 27" x 8"	EA
GASH	& Gas fire suppression system - whole house	SF F
HSCAB	& 1 1/2" fire hose and cabinet - 50' long	EA

HSCAB+	& 2 1/2" fire hose and cabinet - 50' long	EA
SF	& Exposed fire protection system (SF of bldg)	SF F
SF+	& Concealed fire protection system (SF of bldg)	SF F

FRM = Framing & Rough Carpentry

1X2	& 1" x 2" lumber (.167 BF per LF)	LF
1X4	& 1" x 4" lumber (.33 BF per LF)	LF
1X6	& 1" x 6" lumber (.5 BF per LF)	LF
1X6WP	& 1" x 6" lumber - wood polymer (.5 BF per LF)	LF
1X8	& 1" x 8" lumber (.667 BF per LF)	LF
1X10	& 1" x 10" lumber (.83 BF per LF)	LF
1X12	& 1" x 12" lumber (1 BF per LF)	LF
2X2R	& 2" x 2" lumber - redwood (.33 BF per LF)	LF
2X4	& 2" x 4" lumber (.667 BF per LF)	LF
2X4R	& 2" x 4" lumber - redwood (.667 BF per LF)	LF
2X4R+	& 2" x 4" lumber - redwood - High grade (.667 BF per LF)	LF
2X4T	& 2" x 4" lumber - treated (.667 BF per LF)	LF
2X4WP	& 2" x 4" lumber - wood polymer (.667 BF per LF)	LF
2X6	& 2" x 6" lumber (1 BF per LF)	LF
2X6R	& 2" x 6" lumber - redwood (1 BF per LF)	LF
2X6R+	& 2" x 6" lumber - redwood - High grade (1 BF per LF)	LF
2X6T	& 2" x 6" lumber - treated (1 BF per LF)	LF
2X6WP	& 2" x 6" lumber - wood polymer (1 BF per LF)	LF
2X8	& 2" x 8" lumber (1.33 BF per LF)	LF
2X8T	& 2" x 8" lumber - treated (1.33 BF per LF)	LF
2X8WP	& 2" x 8" lumber - wood polymer (1.33 BF per LF)	LF
2X10	& 2" x 10" lumber (1.67 BF per LF)	LF
2X10T	& 2" x 10" lumber - treated (1.67 BF per LF)	LF
2X10WP	& 2" x 10" lumber - wood polymer (1.67 BF per LF)	LF
2X12	& 2" x 12" lumber (2 BF per LF)	LF
2X12T	& 2" x 12" lumber - treated (2 BF per LF)	LF
2X2M	& 2" x 2" interior wall framing - mobile home	SF
4SKTM	& 2 x 4 skirting framework - mobile home	SF
4LF<	& Stud wall - 2" x 4" x 8' - 12" oc	LF PF
4LF	& Stud wall - 2" x 4" x 8' - 16" oc	LF PF
4LF>	& Stud wall - 2" x 4" x 8' - 24" oc	LF PF
4SF<	& Stud wall - 2" x 4" - 12" oc	SF W
4SF	& Stud wall - 2" x 4" - 16" oc	SF W
4SF>	& Stud wall - 2" x 4" - 24" oc	SF W
6LF<	& Stud wall - 2" x 6" x 8' - 12" oc	LF PF
6LF	& Stud wall - 2" x 6" x 8' - 16" oc	LF PF
6LF>	& Stud wall - 2" x 6" x 8' - 24" oc	LF PF
6SF<	& Stud wall - 2" x 6" - 12" oc	SF W
6SF	& Stud wall - 2" x 6" - 16" oc	SF W
6SF>	& Stud wall - 2" x 6" - 24" oc	SF W
ST	& Stud wall (per BF)	BF STB:
STT	& Stud wall - treated (per BF)	BF STB:
4X4	& 4" x 4" square wood post (1.33 BF per LF)	LF
4X4R	& 4" x 4" wood post - redwood or treated (1.33 BF per LF)	LF
4X4T	& 4" x 4" wood post - treated (1.33 BF per LF)	LF
4X4TU8	& 4" x 4" x 8' wood post - turned	EA
4X4TU10	& 4" x 4" x 10' wood post - turned	EA
4X4TU36	& 4" x 4" x 36" exterior newel post - turned	EA
4X4TU42	& 4" x 4" x 42" exterior newel post - turned	EA
4X4TU60	& 4" x 4" x 60" exterior newel post - turned	EA
4X4WP	& 4" x 4" post - wood polymer lumber (1.33 BF per LF)	LF
5X5TU8	& 5" x 5" x 8' wood post - turned	EA
5X5TU10	& 5" x 5" x 10' wood post - turned	EA
6X6	& 6" x 6" square wood post (3 BF per LF)	LF
6X6TU8	& 6" x 6" x 8' wood post - turned	EA
6X6TU10	& 6" x 6" x 10' wood post - turned	EA
8X8	& 8" x 8" square wood post (5.33 BF per LF)	LF

AC1/4	& AC plywood - 1/4"	SF	
AC1/2	& AC plywood - 1/2"	SF	
BB	& Builder board - 1/2" (composition or fiberboard sheathing)	SF	W
BB1	& Builder board - 1" (composition or fiberboard sheathing)	SF	W
BELLYM	& Bellyboard repair (underbelly material) - mobile home	SF	F
BJ10	& Bar joist - 2" x 9 1/2" (measure LF)	LF	
BJ12	& Bar joist - 2" x 11 7/8" (measure LF)	LF	
BJ14	& Bar joist - 2" x 14" (measure LF)	LF	
BJ16	& Bar joist - 2" x 16" (measure LF)	LF	
BMGBF	& Beam - glu-lam (per BF)	BF	BF:
BMM2X10	& Beam - microlam - 1 3/4" x 9 1/2"	LF	
BMM2X12	& Beam - microlam - 1 3/4" x 11 7/8"	LF	
BMR	& Beam - rough sawn	BF	BF:
DBP4	& Drilled bottom plate - 2" x 4" treated lumber	LF	
DBP6	& Drilled bottom plate - 2" x 6" treated lumber	LF	
DKR-	& Deck planking - redwood - standard grade (per BF)	BF	DK:
DKR	& Deck planking - redwood (per BF)	BF	DK:
DKR+	& Deck planking - redwood - High grade (per BF)	BF	DK:
DKRLR	& Deck handrail - redwood - standard grade	LF	
DKRLR	& Deck handrail - redwood	LF	
DKRLR+	& Deck handrail - redwood - High grade	LF	
DKRLT	& Deck handrail - treated lumber	LF	
DKRLV	& Deck handrail - Vinyl	LF	
DKRLV+	& Deck handrail - Vinyl - High grade	LF	
DKRLWP	& Deck handrail - wood polymer lumber	LF	
DKRSF-	& Deck planking - redwood - Standard grade (per SF)	SF	F
DKRSF+	& Deck planking - redwood - High grade (per SF)	SF	F
DKT	& Deck planking - treated lumber (per BF)	BF	DK:
DKTSF	& Deck planking - treated lumber (per SF)	SF	F
DKWP	& Deck planking - 5/4" x 6" wood polymer lumber (per BF)	BF	DK:
DKWP+	& Deck planking - 2 x 4" or 2 x 6 wood polymer lumber (per BF)	BF	DK:
DKWPSF	& Deck planking - 5/4" x 6" wood polymer lumber (per SF)	SF	F
DKWPSF+	& Deck planking - 2 x 4" or 2 x 6 wood polymer lumber (per SF)	SF	F
FLTR<	& Floor trusses - up to 16" deep	LF	JSTLF:
FLTR	& Floor trusses - up to 22" deep	LF	JSTLF:
FUR1	& Furring strip - 1" x 2"	SF	
FUR2	& Furring strip - 2" x 2"	SF	
FURC1	& Furring strip - 1" x 2" - applied to concrete	SF	W
FURC2	& Furring strip - 2" x 2" - applied to concrete	SF	W
H4	& Hip or roof intersection 4/12 slope (hip/valley length)	LF	
H6	& Hip or roof intersection 6/12 slope (hip/valley length)	LF	
H8	& Hip or roof intersection 8/12 slope (hip/valley length)	LF	
H12	& Hip or roof intersection 12/12 slope (hip/valley length)	LF	
HDR6	& Header - double 2" x 6"	LF	
HDR8	& Header - double 2" x 8"	LF	
HDR10	& Header - double 2" x 10"	LF	
HDR12	& Header - double 2" x 12"	LF	
IJ	& "I" joist (TJI) - up to 12" deep	LF	JSTLF:
IJ>	& "I" joist (TJI) - 13" to 16" deep	LF	JSTLF:
J4LF	& Joist - floor or ceiling - 2 x 4 - w/blocking	LF	JSTLF:
J4SF<	& Joist - floor or ceiling - 2 x 4 - w/blocking - 12" oc	SF	F
J4SF	& Joist - floor or ceiling - 2 x 4 - w/blocking - 16" oc	SF	F
J4SF>	& Joist - floor or ceiling - 2 x 4 - w/blocking - 24" oc	SF	F
J6LF	& Joist - floor or ceiling - 2 x 6 - w/blocking	LF	JSTLF:
J6SF<	& Joist - floor or ceiling - 2 x 6 - w/blocking - 12" oc	SF	F
J6SF	& Joist - floor or ceiling - 2 x 6 - w/blocking - 16" oc	SF	F
J6SF>	& Joist - floor or ceiling - 2 x 6 - w/blocking - 24" oc	SF	F
J8LF	& Joist - floor or ceiling - 2 x 8 - w/blocking	LF	JSTLF:
J8SF<	& Joist - floor or ceiling - 2 x 8 - w/blocking - 12" oc	SF	F
J8SF	& Joist - floor or ceiling - 2 x 8 - w/blocking - 16" oc	SF	F
J8SF>	& Joist - floor or ceiling - 2 x 8 - w/blocking - 24" oc	SF	F
J10LF	& Joist - floor or ceiling - 2 x 10 - w/blocking	LF	JSTLF:
J10SF<	& Joist - floor or ceiling - 2 x 10 - w/blocking - 12" oc	SF	F
J10SF	& Joist - floor or ceiling - 2 x 10 - w/blocking - 16" oc	SF	F
J10SF>	& Joist - floor or ceiling - 2 x 10 - w/blocking - 24" oc	SF	F
J12LF	& Joist - floor or ceiling - 2 x 12 - w/blocking	LF	JSTLF:
J12SF<	& Joist - floor or ceiling - 2 x 12 - w/blocking - 12" oc	SF	F
J12SF	& Joist - floor or ceiling - 2 x 12 - w/blocking - 16" oc	SF	F
J12SF>	& Joist - floor or ceiling - 2 x 12 - w/blocking - 24" oc	SF	F
JST	& Joist - floor or ceiling system	BF	JSTBF:
JSTT	& Joist - floor or ceiling system - treated	BF	JSTBF:
MN	+ Framing repair - Minimum charge	EA	
MST2	& Metal studding, 2 1/2" wide, 16" OC, 25 Ga	SF	
MST2+	& Metal studding, 2 1/2" wide, 16" OC, 20 Ga	SF	
MST4	& Metal studding, 3 5/8" wide, 16" OC, 25 Ga	SF	
MST4+	& Metal studding, 3 5/8" wide, 16" OC, 20 Ga	SF	
MST6	& Metal studding, 6" wide, 16" OC, 25 Ga	SF	
MST6+	& Metal studding, 6" wide, 16" OC, 20 Ga	SF	
PIER	& Precast concrete or block pier	EA	
RAILTU	& Porch or deck handrail w/turned balusters	LF	
RF4LF	& Rafters - 2 x 4 - stick frame roof (using rafter length)	LF	
RF4SF<	& Rafters - 2 x 4 - 12" OC (3-5/12 Gable, per SF of floor)	SF	F
RF4SF	& Rafters - 2 x 4 - 16" OC (3-5/12 Gable, per SF of floor)	SF	F
RF4SF>	& Rafters - 2 x 4 - 24" OC (3-5/12 Gable, per SF of floor)	SF	F
RF6LF	& Rafters - 2 x 6 - stick frame roof (using rafter length)	LF	
RF6SF<	& Rafters - 2 x 6 - 12" OC (3-5/12 Gable, per SF of floor)	SF	F
RF6SF	& Rafters - 2 x 6 - 16" OC (3-5/12 Gable, per SF of floor)	SF	F
RF6SF>	& Rafters - 2 x 6 - 24" OC (3-5/12 Gable, per SF of floor)	SF	F
RF8LF	& Rafters - 2 x 8 - stick frame roof (using rafter length)	LF	
RF8SF<	& Rafters - 2 x 8 - 12" OC (3-5/12 Gable, per SF of floor)	SF	F
RF8SF	& Rafters - 2 x 8 - 16" OC (3-5/12 Gable, per SF of floor)	SF	F
RF8SF>	& Rafters - 2 x 8 - 24" OC (3-5/12 Gable, per SF of floor)	SF	F
RF10LF	& Rafters - 2 x 10 - stick frame roof (using rafter length)	LF	
RF10SF<	& Rafters - 2 x 10 - 12" OC (3-5/12 Gable, per SF of floor)	SF	F
RF10SF	& Rafters - 2 x 10 - 16" OC (3-5/12 Gable, per SF of floor)	SF	F
RF10SF>	& Rafters - 2 x 10 - 24" OC (3-5/12 Gable, per SF of floor)	SF	F
RF12LF	& Rafters - 2 x 12 - stick frame roof (using rafter length)	LF	
RF12SF<	& Rafters - 2 x 12 - 12" OC (3-5/12 Gable, per SF of floor)	SF	F
RF12SF	& Rafters - 2 x 12 - 16" OC (3-5/12 Gable, per SF of floor)	SF	F
RF12SF>	& Rafters - 2 x 12 - 24" OC (3-5/12 Gable, per SF of floor)	SF	F
RFMN	+ Roof framing - Minimum charge	EA	
RFA4L	& Additional labor - 2 x 4 - 2 x 6 - 5/12 to 9/12 slope	LF	
RFA4L>	& Additional labor - 2 x 4 - 2 x 6 - 9/12 to 12/12 slope	LF	
RFA4S<	& Additional labor - 2 x 4 - 2 x 6 - 5/12 to 9/12 slope - 12" OC	SF	F
RFA4S	& Additional labor - 2 x 4 - 2 x 6 - 5/12 to 9/12 slope - 16" OC	SF	F
RFA4S>	& Additional labor - 2 x 4 - 2 x 6 - 5/12 to 9/12 slope - 24" OC	SF	F
RFA4SS<	& Additional labor - 2 x 4 - 2 x 6 - 9/12 to 12/12 slope - 12" OC	SF	F
RFA4SS	& Additional labor - 2 x 4 - 2 x 6 - 9/12 to 12/12 slope - 16" OC	SF	F
RFA4SS>	& Additional labor - 2 x 4 - 2 x 6 - 9/12 to 12/12 slope - 24" OC	SF	F
RFA8L	& Additional labor - 2 x 8 - 2 x 12 - 5/12 to 9/12 slope	LF	
RFA8L>	& Additional labor - 2 x 8 - 2 x 12 - 9/12 to 12/12 slope	LF	
RFA8S<	& Additional labor - 2 x 8 - 2 x 12 - 5/12 to 9/12 slope - 12" OC	SF	F
RFA8S	& Additional labor - 2 x 8 - 2 x 12 - 5/12 to 9/12 slope - 16" OC	SF	F
RFA8S>	& Additional labor - 2 x 8 - 2 x 12 - 5/12 to 9/12 slope - 24" OC	SF	F
RFA8SS<	& Additional labor - 2 x 8 - 2 x 12 - 9/12 to 12/12 slope - 12" OC	SF	F
RFA8SS	& Additional labor - 2 x 8 - 2 x 12 - 9/12 to 12/12 slope - 16" OC	SF	F
RFA8SS>	& Additional labor - 2 x 8 - 2 x 12 - 9/12 to 12/12 slope - 24" OC	SF	F
RFTRA	& Additional labor for stick frame roof, 5/12 to 9/12 slope	BF	HFRT:
RFTRA>	& Additional labor for stick frame roof, 9/12 to 12/12 slope	BF	HFRT:
RFTR	& Rafters - stick frame roof	BF	HFRT:
RFTRT	& Rafters - stick frame roof - treated	BF	HFRT:
RR	& Railroad ties	LF	
SH1/2	& Sheathing - plywood - 1/2" CDX	SF	W
SH1/2T	& Sheathing - plywood - 1/2" - treated	SF	W

SH1TG	& Sheathing - 1 1/8" - tongue and groove	SF	F
SH1X6	& Sheathing - 1" x 6"	SF	F
SH1X6TG	& Sheathing - 1" x 6" - tongue and groove	SF	F
SH2X6TG	& Sheathing - 2" x 6" - tongue and groove	SF	F
SH3/8	& Sheathing - plywood - 3/8"	SF	W
SH3/8RS	& Sheathing - plywood - 3/8" - rough sawn fir	SF	W
SH5/8	& Sheathing - plywood - 5/8" CDX	SF	W
SH5/8T	& Sheathing - plywood - 5/8" - treated	SF	W
SH5/8TG	& Sheathing - plywood - 5/8" - tongue and groove	SF	F
SHF1/2	& Sheathing - foil faced foam - 1/2"	SF	W
SHF3/4	& Sheathing - foil faced foam - 3/4"	SF	W
SHF1	& Sheathing - foil faced foam - 1"	SF	W
SHW1/2	& Sheathing - waferboard - 1/2"	SF	W
SHW5/8	& Sheathing - waferboard - 5/8"	SF	W
SHW3/4T	& Sheathing - waferboard - 3/4 - tongue and groove	SF	F
SJACK	+ Temporary Shoring Post - Screw Jack (per day)	DA	
SH3/4	& Sheathing - plywood - 3/4" CDX	SF	F
SH3/4T	& Sheathing - plywood - 3/4" - treated	SF	F
SH3/4TG	& Sheathing - plywood - 3/4" - tongue and groove	SF	F
STPM>	& Steps (extruded aluminum) full landing - mobile home	EA	
STPM	& Steps (extruded aluminum) 1/2 landing - mobile home	EA	
STPRM	& Steps and landing - redwood - 6 x 8 or smaller - mobile home	EA	
TPL4	& Top plate - 2" x 4"	LF	PC
TPL6	& Top plate - 2" x 6"	LF	PC
TR3	& Truss - 3/12 slope	LF	TR:
TR3T	& Truss - 3/12 slope - treated	LF	TR:
TR4	& Truss - 4/12 slope	LF	TR:
TR4+	& Truss - 4/12 slope - heavy loading	LF	TR:
TR4T	& Truss - 4/12 slope - treated	LF	TR:
TR6	& Truss - 6/12 slope	LF	TR:
TR6+	& Truss - 6/12 slope - heavy loading	LF	TR:
TR6T	& Truss - 6/12 slope - treated	LF	TR:
TR8	& Truss - 8/12 slope	LF	TR:
TR8+	& Truss - 8/12 slope - heavy loading	LF	TR:
TR8T	& Truss - 8/12 slope - treated	LF	TR:
TRFL	& Truss - flat roof system	LF	TR:
TRFL+	& Truss - flat roof system - heavy loading	LF	TR:
TRG	+ Truss - gambrel roof - add for extra framing	LF	
TRRS	+ Truss - Detach & reset	LF	
TRVAULT	+ Add-on for scissor or vaulted truss	LF	
UL1/4	& Underlayment - 1/4" lauan/mahogany plywood	SF	F
UL1/4M	& Underlayment - 1/4" Masonite	SF	F
UL1/4P	& Underlayment - 1/4" BC plywood	SF	F
UL1/4W	& Underlayment - 1/4" waterproof waferboard	SF	F
UL3/8	& Underlayment - 3/8" particle board	SF	F
UL3/8P	& Underlayment - 3/8" plywood	SF	F
UL1/2	& Underlayment - 1/2" particle board	SF	F
UL1/2P	& Underlayment - 1/2" plywood	SF	F
UL5/8	& Underlayment - 5/8" particle board	SF	F
UL3/4	& Underlayment - 3/4" particle board	SF	
ULMN	+ Underlayment - Minimum charge	EA	
X4	& Stud wall 2 x 4 x 8 ext. w/shear panels & 1/2" bldr bd	LF	PF
X6	& Stud wall 2 x 6 x 8 ext. w/shear panels & 1/2" bldr bd	LF	PF

GLS = Glass, Glazing, & Storefronts

CW	& Curtain wall - single glazed	SF	
CW2	& Curtain wall - double glazed	SF	
LOWE	+ Add for "low E" glass	SF	
SFA	& Storefront - natural aluminum anodized frame	SF	
SFB	& Storefront - bronze anodized frame	SF	
SFDA	& Storefront door - natural aluminum anodized frame, 3'x 7'	EA	

SFDB	& Storefront door - bronze anodized frame, 3'x 7'	EA	
TINT	+ Add for bronze or gray tinted glass	SF	

HVC = Heat, Vent, & Air Conditioning

AC<	& Central air conditioning system - 2 ton	EA	
AC	& Central air conditioning system - 3 ton	EA	
AC>	& Central air conditioning system - 4 ton	EA	
AC>>	& Central air conditioning system - 5 ton	EA	
ACM	& Air conditioning unit - average grade - mobile home	EA	
WACM	& Window AC unit - mobile home	EA	
AC2	& Air conditioning unit, 2 ton	EA	
AC5	& Air conditioning unit, 5 ton	EA	
AC8	& Air conditioning unit, 8 ton	EA	
AC10	& Air conditioning unit, 10 ton	EA	
AC15	& Air conditioning unit, 15 ton	EA	
AC20	& Air conditioning unit, 20 ton	EA	
ACCND<	& Central air - condenser unit - 2 ton	EA	
ACCND	& Central air - condenser unit - 3 ton	EA	
ACCND>	& Central air - condenser unit - 4 ton	EA	
ACCND>>	& Central air - condenser unit - 5 ton	EA	
ACCNDRS+	Central air - condenser unit - Detach & reset	EA	
ACM	& Air conditioning unit - average grade - mobile home	EA	
ACRC<	+ Central air conditioning system - recharge - 5 lb freon	EA	
ACRC	+ Central air conditioning system - recharge - 10 lb freon	EA	
ACRC>	+ Central air conditioning system - recharge - 13 lb freon	EA	
ACRC>>	+ Central air conditioning system - recharge - 17lb freon	EA	
ACTW<	& AC unit w/sleeve - through wall - 5,000 BTU	EA	
ACTW	& AC unit w/sleeve - through-wall - 8,000 BTU	EA	
ACTW>	& AC unit w/sleeve - through-wall - 12,000 BTU	EA	
ACTW>>	& AC unit w/sleeve - through-wall - 18,000 BTU	EA	
ACTWRS	+ AC unit w/sleeve - through-wall - Detach & reset	EA	
AFAN	& Attic fan - whole house - installed	EA	
AFAN>	& Attic fan - 36" diameter, 6,500 CFM	EA	
AFAN>>	& Attic fan - 48" diameter, 12,000 CFM	EA	
BBHST	& Baseboard heat - steam or hot water	LF	
BBHSTRS	& Baseboard heat - steam or hot water - Detach & reset	LF	
BLR<	& Boiler - 62,000 BTU	EA	
BLR	& Boiler - 130,000 BTU	EA	
BLR>	& Boiler - 165,000 BTU	EA	
BLR>>	& Boiler - 200,000 BTU	EA	
BLRE<	& Boiler - 55 MBH, electric, steam or hot water	EA	
BLRE	& Boiler - 109 MBH - electric - steam or hot water	EA	
BLRE>	& Boiler - 218 MBH, electric, steam or hot water	EA	
BLRE>>	& Boiler - 328 MBH, electric, steam or hot water	EA	
BLRG<	& Boiler - 320 MBH, natural gas	EA	
BLRG	& Boiler - 554 MBH, natural gas	EA	
BLRG>	& Boiler - 801 MBH, natural gas	EA	
BLRG>>	& Boiler - 1047 MBH, natural gas	EA	
BLRRS	+ Boiler unit - Detach & reset	EA	
BVENT-	& Bathroom ventilation fan - Standard grade	EA	
BVENT	& Bathroom ventilation fan	EA	
BVENT++	& Bathroom ventilation fan - Premium grade	EA	
BVENTRS	& Bathroom ventilation fan - Detach & reset	EA	
BVLIT-	& Bathroom ventilation fan w/light - Standard grade	EA	
BVLIT	& Bathroom ventilation fan w/light	EA	
BVLIT+	& Bathroom ventilation fan w/light - High grade	EA	
BVLIT++	& Bathroom ventilation fan w/light - Premium grade	EA	
CA<	& Cold air return cover - Small	EA	
CA	& Cold air return cover	EA	
CA>	& Cold air return cover - Large	EA	
CA>>	& Cold air return cover - Extra large	EA	
CARS	+ Cold air return cover - Detach & reset	EA	

DCT<	& Ductwork system - hot or cold air - up to 1199 SF home	EA
DCT	& Ductwork system - hot or cold air - 1200 to 1599 SF home	EA
DCT>	& Ductwork system - hot or cold air - 1600 to 2199 SF home	EA
DCT>>	& Ductwork system - hot or cold air - 2200 to 2500 SF home	EA
DCTG	& Ductwork - galvanized (per pound)	EA
DCTLF<	& Ductwork - hot or cold air - Small size	LF
DCTLF	& Ductwork - hot or cold air	LF
DCTLF>	& Ductwork - hot or cold air - Large size	LF
DCTLF>>	& Ductwork - hot or cold air - Extra large size	LF
DCTLFRS	+ Ductwork - hot or cold air - Detach & reset	LF
DCTLN	& Duct liner - mineral fiber insulation	SF
DCTM	& Ductwork - complete under floor system - mobile home	EA
DCTRM	& Ductwork - hot or cold air (per room)	EA
DCTRM+	& Ductwork in crawl space - hot or cold air (per room)	EA
DVENT	& Clothes dryer vent - installed	EA
EC<	& Evaporative cooler - 4500 cfm	EA
EC	& Evaporative cooler - 5200 cfm	EA
EC>	& Evaporative cooler - 6600 cfm	EA
EC>>	& Evaporative cooler - 7200 cfm	EA
ECCON	& Evaporative cooler controls	EA
ECDCT	& Evaporative cooler ductwork	LF
ECDIF	& Evaporative cooler diffuser	EA
ECRS	+ Evaporative cooler - Detach & reset	EA
ECSL	& Evaporative cooler supply line	LF
FDVENT	& Foundation vent - installed in wood framing	EA
FDVENT+	& Foundation vent - installed in masonry block/brick	EA
FLUSH	+ Boiler unit - flush and recharge	EA
FRCLN	+ Furnace - check, clean, replace filters and service	EA
FRFA<	& Furnace - forced air - 60 - 75,000 BTU	EA
FRFA	& Furnace - forced air - 100,000 BTU	EA
FRFA>	& Furnace - forced air - 125,000 BTU	EA
FRFA>>	& Furnace - forced air - 140,000 BTU	EA
FRFAH<	& Furnace - forced air - high efficiency - 65,000 BTU	EA
FRFAH	& Furnace - forced air - high efficiency - 75,000 BTU	EA
FRFAH>	& Furnace - forced air - high efficiency - 100,000 BTU	EA
FRFAH>>	& Furnace - forced air - high efficiency - 120,000 BTU	EA
FRFARS	+ Furnace - forced air - Detach & reset	EA
FRM	& Furnace - mobile home	EA
FRM+	& Furnace - 47,000 BTU - AC ready - mobile home	EA
FRM>	& Furnace - 56,000 BTU - mobile home	EA
FRM>+	& Furnace - 56,000 BTU - AC ready - mobile home	EA
FRW	& Furnace - wall - single, 35,000 BTU	EA
HC2	& Heating and cooling unit - 2 ton, 80 MBH	EA
HC5	& Heating and cooling unit - 5 ton, 140 MBH	EA
HC10	& Heating and cooling unit - 10 ton, 260 MBH	EA
HC20	& Heating and cooling unit - 20 ton, 400 MBH	EA
HMF<	& Humidifier unit - Small	EA
HMF	& Humidifier unit	EA
HMF>	& Humidifier unit - Large	EA
HMF>>	& Humidifier unit - Extra large	EA
HMFRS	+ Humidifier unit - Detach & reset	EA
HPR8	& Heat pump, roof mounted - 8 ton, 90 MBH	EA
HPR10	& Heat pump, roof mounted - 10 ton, 120 MBH	EA
HPR15	& Heat pump, roof mounted - 15 ton, 180 MBH	EA
HPR20	& Heat pump, roof mounted - 20 ton, 240 MBH	EA
HPW2	& Heat pump, through wall unit - 2 ton, 26 MBH	EA
HPW3	& Heat pump, through wall unit - 3 ton, 37 MBH	EA
HPW4	& Heat pump, through wall unit - 4 ton, 52 MBH	EA
HPW5	& Heat pump, through wall unit - 5 ton, 61 MBH	EA
IDCT	& Insulated duct - 3/4" wall	SF
IDCT4	& Insulated duct - 4" dia., 26 gauge	LF
IDCT8	& Insulated duct - 8" dia., 26 gauge	LF
IDCT12	& Insulated duct - 12" dia., 24 gauge	LF
IDCT20	& Insulated duct - 20" dia., 24 gauge	LF
IDCT30	& Insulated duct - 30" dia., 22 gauge	LF
IDCT42	& Insulated duct - 42" dia., 20 gauge	LF
MN	+ Heave, vent, & air conditioning repair - Minimum charge	EA
RAD<	& Radiator unit - Small	EA
RAD	& Radiator unit	EA
RAD>	& Radiator unit - Large	EA
RAD>>	& Radiator unit - Extra large	EA
RADC<	& Radiator cover - Small	EA
RADC	& Radiator cover	EA
RADC>	& Radiator cover - Large	EA
RADC>>	& Radiator cover - Extra large	EA
RADCRS	+ Radiator cover - Detach & reset	EA
RADRS	+ Radiator unit - Detach & reset	EA
REG	& Heat/AC register	EA
REGRS	+ Heat/AC register - Detach & reset	EA
TS-	& Thermostat - Standard grade	EA
TS	& Thermostat	EA
TS+	& Thermostat - High grade	EA
TS++	& Thermostat - Premium grade (programmable)	EA
TSRS	+ Thermostat - Detach & reset	EA
TSZ	& Thermostat - zone control	EA
VENT3	& Furnace vent - aluminum, 3"	LF
VENT4	& Furnace vent - aluminum, 4"	LF
VENT5+	& Furnace vent - double wall, 5"	LF
VENT6+	& Furnace vent - double wall, 6"	LF
VENT8+	& Furnace vent - double wall, 8"	LF
VENTCP5	& Furnace vent - rain cap and storm collar, 5"	EA
VENTCP6	& Furnace vent - rain cap and storm collar, 6"	EA
VENTCP8	& Furnace vent - rain cap and storm collar, 8"	EA
VENTPVC	& Furnace vent - P.V.C. (90% efficient furnaces)	LF
WACM	& Window AC unit - mobile home	EA
WINE	& Cooling unit for wine room - Small	EA
WINE>	& Cooling unit for wine room - Large	EA
WINERS	+ Cooling unit for wine room - Detach & reset	EA

INM = Insulation - Mechanical

CS1<	& Calsil pipe insulation - 1" wall for 1/2" to 1" pipe	LF
CS1	& Calsil pipe insulation - 1" wall for 1 1/2" to 2" pipe	LF
CS1>	& Calsil pipe insulation - 1" wall for 2 1/2" to 4" pipe	LF
CS1>>	& Calsil pipe insulation - 1" wall for 4 1/2" to 6" pipe	LF
CS2<	& Calsil pipe insulation - 2" wall for 1/2" to 1" pipe	LF
CS2	& Calsil pipe insulation - 2" wall for 1 1/2" to 2" pipe	LF
CS2>	& Calsil pipe insulation - 2" wall for 2 1/2" to 4" pipe	LF
CS2>>	& Calsil pipe insulation - 2" wall for 4 1/2" to 6" pipe	LF
CS3<	& Calsil pipe insulation - 3" wall for 1/2" to 1" pipe	LF
CS3	& Calsil pipe insulation - 3" wall for 1 1/2" to 2" pipe	LF
CS3>	& Calsil pipe insulation - 3" wall for 2 1/2" to 4" pipe	LF
CS3>>	& Calsil pipe insulation - 3" wall for 4 1/2" to 6" pipe	LF
F1/2<	& Foam pipe insulation - 1/2" wall for 1/8" to 3/4" pipe	LF
F1/2	& Foam pipe insulation - 1/2" wall for 1" to 1 1/2" pipe	LF
F1/2>	& Foam pipe insulation - 1/2" wall for 2" to 3" pipe	LF
F3/4<	& Foam pipe insulation - 3/4" wall for 1/8" to 3/4" pipe	LF
F3/4	& Foam pipe insulation - 3/4" wall for 1" to 1 1/2" pipe	LF
F3/4>	& Foam pipe insulation - 3/4" wall for 2" to 3" pipe	LF
F1<	& Foam pipe insulation - 1" wall for 1/8" to 3/4" pipe	LF
F1	& Foam pipe insulation - 1" wall for 1" to 1 1/2" pipe	LF
F1>	& Foam pipe insulation - 1" wall for 2" to 3" pipe	LF
FG1<	& Fiberglass pipe insulation - 1" wall for 1/2" to 1" pipe	LF
FG1	& Fiberglass pipe insulation - 1" wall for 1 1/2" to 2" pipe	LF
FG1>	& Fiberglass pipe insulation - 1" wall for 2 1/2" to 4" pipe	LF

FG1>>	& Fiberglass pipe insulation - 1" wall for 4 1/2" to 6" pipe	LF
FG2<	& Fiberglass pipe insulation - 2" wall for 1/2" to 1" pipe	LF
FG2	& Fiberglass pipe insulation - 2" wall for 1 1/2" to 2" pipe	LF
FG2>	& Fiberglass pipe insulation - 2" wall for 2 1/2" to 4" pipe	LF
FG2>>	& Fiberglass pipe insulation - 2" wall for 4 1/2" to 6" pipe	LF
FGDCT1	& Fiberglass duct wrap, 1 1/2" thick	SF
FGDCT2	& Fiberglass duct wrap, 2" thick	SF
RFGD	& Rigid fiberglass duct insulation board - foil faced	SF

INS = Insulation

BI6	& Blown-in insulation - 6" depth - R19	SF	C
BI10	& Blown-in insulation - 10" depth - R30	SF	C
BI12	& Blown-in insulation - 12" depth - R38	SF	C
BI16	& Blown-in insulation - 16" depth - R50	SF	C
BI24	& Blown-in insulation - 24" depth - R72	SF	C
BIM	- Blown-in insulation - Machine removal	SF	
BT2	& Batt insulation - 2" - R6 (split R11 batt)	SF	W
BT4	& Batt insulation - 4" - R11	SF	W
BT4+	& Batt insulation - 4" - R13	SF	W
BT6	& Batt insulation - 6" - R19	SF	W
BT10	& Batt insulation - 10" - R30	SF	C
BT12	& Batt insulation - 12" - R38	SF	C
BVNT	& Baffle vent	LF	
FOAM	+ Urethane foam sealant	LF	
HWRAP	& House wrap (air/moisture barrier) Du Pont Tyvek or equal	SF	W
LAM	& Laminated 2" insulation used with metal buildings	SF	WC
MN	+ Insulation - Minimum charge	EA	
RBD1/2	& Rigid foam insulation board - 1/2"	SF	W
RBD3/4	& Rigid foam insulation board - 3/4"	SF	W
RBD1	& Rigid foam insulation board - 1"	SF	W
SB8	& String & blow insulation in 8" joists w/Visqueen	SF	C
SB10	& String & blow insulation in 10" joists w/Visqueen	SF	C
SB12	& String & blow insulation in 12" joists w/Visqueen	SF	C
VIS	+ Visqueen vapor barrier	SF	

LAB = Labor Only

ADMIN	+ Administrative labor charge (Bid item)	HR
CARPFNC	+ Carpenter - Finish, Trim/Cabinet - per hour	HR
CARPFRC	+ Carpenter - General Framing - per hour	HR
CARPMEC	+ Carpenter - mechanic - per hour	HR
CLN	+ Cleaning Technician - per hour	HR
CLN-F	+ Floor cleaning technician - per hour	HR
CNC	+ Concrete mason - per hour	HR
DRY	+ Drywall Installer/Finisher - per hour	HR
ELE	+ Electrician - per hour	HR
EQU	+ Equipment Operator - per hour	HR
FLR	+ Flooring Installer - per hour	HR
HVC	+ Heating/A.C. Mechanic - per hour	HR
INS	+ Insulation Installer - per hour	HR
LBR	+ General Laborer - per hour	HR
MAS	+ Mason - Brick/Stone - per hour	HR
PLA	+ Plasterer - per hour	HR
PLM	+ Plumber - per hour	HR
PNT	+ Painter/Wallpaperer - per hour	HR
RFG	+ Roofer - per hour	HR
TIL	+ Tile/Cultured Marble Installer - per hour	HR

LIT = Light Fixtures

AV-	& Light fixture - Standard grade	EA
AV	& Light fixture	EA
AV+	& Light fixture - High grade	EA
AV++	& Light fixture - Premium grade	EA

BAR2	& Light bar - 2 lights	EA
BAR2+	& Light bar - 2 lights - High grade	EA
BAR3	& Light bar - 3 lights	EA
BAR3+	& Light bar - 3 lights - High grade	EA
BAR4	& Light bar - 4 lights	EA
BAR4+	& Light bar - 4 lights - High grade	EA
BAR5	& Light bar - 5 lights	EA
BAR5+	& Light bar - 5 lights - High grade	EA
BAR6	& Light bar - 6 lights	EA
BAR6+	& Light bar - 6 lights - High grade	EA
BAR8	& Light bar - 8 lights	EA
BAR8+	& Light bar - 8 lights - High grade	EA
CHAN-	& Chandelier - Standard grade	EA
CHAN	& Chandelier	EA
CHAN+	& Chandelier - High grade	EA
CHAN++	& Chandelier - Premium grade	EA
CHAN>+	& Chandelier - oversized - Premium grade	EA
CHANC+	& Chandelier - Crystal - High grade	EA
CHANC++	& Chandelier - Crystal - Premium grade	EA
CHANCRS	+ Chandelier - Crystal or oversized - Detach & reset	EA
CHANRS	+ Chandelier - Detach & reset	EA
EXIT	& Exit sign - wired in	EA
EXIT+	& Exit sign - internal power	EA
FL-	& Fluorescent light fixture - Standard grade	EA
FL	& Fluorescent light fixture	EA
FL+	& Fluorescent light fixture - High grade	EA
FL++	& Fluorescent light fixture - Premium grade	EA
FL1-2	& Fluorescent - one tube - 2' - strip light	EA
FL1-2+	& Fluorescent - one tube - 2' - fixture w/lens	EA
FL1-4	& Fluorescent - one tube - 4' - strip light	EA
FL1-4+	& Fluorescent - one tube - 4' - fixture w/lens	EA
FL1-4RS	+ Fluorescent light fixture- 1 tube 2' & 4' - Detach & reset	EA
FL1-6	& Fluorescent - one tube - 6' - strip light	EA
FL1-6+	& Fluorescent - one tube - 6' - fixture w/lens	EA
FL1-8	& Fluorescent - one tube - 8' - strip light	EA
FL1-8+	& Fluorescent - one tube - 8' - fixture w/lens	EA
FL2-4	& Fluorescent - two tube - 4' - strip light	EA
FL2-4+	& Fluorescent - two tube - 4' - fixture w/lens	EA
FL2-6	& Fluorescent - two tube - 6' - strip light	EA
FL2-6+	& Fluorescent - two tube - 6' - fixture w/lens	EA
FL2-8	& Fluorescent - two tube - 8' - strip light	EA
FL2-8+	& Fluorescent - two tube - 8' - fixture w/lens	EA
FL4-4	& Fluorescent - four tube - 4' - strip light	EA
FL4-4+	& Fluorescent - four tube - 4' - fixture w/lens	EA
FL4-6	& Fluorescent - four tube - 6' - strip light	EA
FL4-6+	& Fluorescent - four tube - 6' - fixture w/lens	EA
FL4-8	& Fluorescent - four tube - 8' - strip light	EA
FL4-8+	& Fluorescent - four tube - 8' - fixture w/lens	EA
FLACT	& Fluorescent - acoustic grid fixture, 2' x 2'	EA
FLACT2	& Fluorescent - acoustic grid fixture - two tube, 2' x 4'	EA
FLACT4	& Fluorescent - acoustic grid fixture - four tube, 2' x 4'	EA
FLC	& Fluorescent - circular fixture	EA
FLLN	& Fluorescent light fixture lens - wrap around (lens only)	EA
FLRS	+ Fluorescent light fixture - Detach & reset	EA
FN-	& Ceiling fan without light	EA
FN-	& Ceiling fan without light - High grade	EA
FN	& Ceiling fan & light	EA
FN+	& Ceiling fan & light - High grade	EA
FN++	& Ceiling fan & light - Premium grade	EA
FNRS	+ Ceiling fan & light - Detach & reset	EA
HG	& Hanging globe light fixture	EA
HG+	& Hanging globe light fixture - High grade	EA

HG++	& Hanging globe light fixture - Premium grade	EA
HG2	& Hanging double globe light fixture	EA
HG2+	& Hanging double globe light fixture - High grade	EA
HG2++	& Hanging double globe light fixture - Premium grade	EA
MER	& Mercury vapor security light	EA
MN	+ Light fixture repair - Minimum charge	EA
POR	& Porcelain light fixture	EA
PORRS	+ Porcelain light fixture - Detach & reset	EA
RC-	& Recessed light fixture - Standard grade	EA
RC	& Recessed light fixture	EA
RC+	& Recessed light fixture - High grade	EA
RC++	& Recessed light fixture - Premium grade	EA
RCRS	+ Recessed light fixture - Detach & reset entire unit	EA
RS	+ Light fixture - Detach & reset	EA
RS>	+ Light fixture - Detach & reset - Large	EA
RS>>	+ Light fixture - Detach & reset - Extra large	EA
SPOT1	& Spot light fixture - single	EA
SPOT2	& Spot light fixture - double	EA
SPOT2M	& Spot light fixture - double - w/motion sensor	EA
SPOT3	& Spot light fixture - triple	EA
TRK	& Track Lighting - track only	LF
TRKCN	& Fixture (can) for track lighting	EA
TRKCN+	& Fixture (can) for track lighting - High grade	EA
TRKCNRS	+ Fixture (can) for track lighting - Detach & reset	EA
TRKRS	+ Track for track lighting - Detach & reset	LF
X-	& Exterior light fixture - Standard grade	EA
X	& Exterior light fixture	EA
X+	& Exterior light fixture - High grade	EA
X++	& Exterior light fixture - Premium grade	EA
XPOST	& Exterior post light fixture	EA
XPOST+	& Exterior post light fixture - High grade	EA
XPOST++	& Exterior post light fixture - Premium grade	EA
XRS	+ Exterior light fixture - Detach & reset	EA

MAS = Masonry

AW	+ Masonry acid wash	SF
BL4	& Block - 4" x 8" x 16" - in place	SF W
BL6	& Block - 6" x 8" x 16" - in place	SF W
BL6+	& Block - 6" x 8" x 16" - in place - reinforced	SF W
BL8	& Block - 8" x 8" x 16" - in place	SF W
BL8+	& Block - 8" x 8" x 16" - in place - reinforced	SF W
BL10	& Block - 10" x 8" x 16" - in place	SF W
BL10+	& Block - 10" x 8" x 16" - in place - reinforced	SF W
BL12	& Block - 12" x 8" x 16" - in place	SF W
BL12+	& Block - 12" x 8" x 16" - in place - reinforced	SF W
BLGL	& Block - glass - 4"x 8"x 8"	SF
BLGL<	& Block - glass - 3"x 8"x 8"	SF
BLGLR	& Block - glass - Add for reinforcements	SF
BLP	+ Block - Add for pilaster	SF
BLS	+ Block - Add for scored or split faced block	SF W
BLSC4	& Block - 4" x 8" x 16" - sculpture/decorative screen	SF
BLSC8	& Block - 8" x 8" x 16" - sculpture/decorative screen	SF
BLVRE24	+ Block - Add if vertical reinforcement is 24" OC	SF W
BM8	& Block - bond beam - 8" x 8" x 16" - reinforced	LF PF
BM10	& Block - bond beam - 10" x 8" x 16" - reinforced	LF PF
BM12	& Block - bond beam - 12" x 8" x 16" - reinforced	LF PF
BRK-	& Brick veneer - Standard grade (i.e., concrete)	SF W
BRK	& Brick veneer	SF W
BRK+	& Brick veneer - High grade	SF W
BRK++	& Brick veneer - Premium grade	SF W
BRKS6	& Brick - structural (Atlas), 6"	SF W
BRKS8	& Brick - structural (Atlas), 8"	SF W

MSD = Mirrors & Shower Doors

BRKRS	+ Brick veneer - Detach & reset	SF W
BRKSB	+ Brick - Add for stacked bond	SF W
BRKSO	+ Brick - Add for soldier or sailor course	LF
INS	+ Masonry insulation - Vermiculite or Perlite	SF W
MN	+ Masonry - Minimum charge	EA
PAV-	& Paver brick - Standard grade	SF F
PAV	& Paver brick	SF F
PAV+	& Paver brick - High grade	SF F
POINT	+ Re-point masonry	SF
QUOIN	& Quoin - 8" - 8" x 12"	EA
SLUM4	& Slumpstone block - 4" width	SF W
SLUM6	& Slumpstone block - 6" width	SF W
SLUM8	& Slumpstone block - 8" width	SF W
SLUM10	& Slumpstone block - 10" width	SF W
SLUM12	& Slumpstone block - 12" width	SF W
STN	& Stone veneer	SF W
STN+	& Stone veneer - High grade	SF W
STNRS	+ Stone veneer - Detach & reset	SF W
WR6	+ Add for wire reinforcing (Dur-o-wal), 6"	LF
WR8	+ Add for wire reinforcing (Dur-o-wal), 8"	LF
WR10	+ Add for wire reinforcing (Dur-o-wal), 10"	LF
WR12	+ Add for wire reinforcing (Dur-o-wal), 12"	LF

MBL = Marble—Cultured or Natural

B	& Baseboard - cultured (simulated) marble	LF PF
CT	& Countertop - cultured (simulated) marble	SF
CTONX	& Countertop - onyx	SF
SILM4	& Sill - cultured marble on 2 x 4 wall	LF
SILM6	& Sill - cultured marble on 2 x 6 wall	LF
SNKN	+ Add for sink opening in natural marble (self-rimming sink)	EA
SNKN+	+ Add for sink opening in natural marble (bottom-mount sink)	EA
THR	& Threshold - natural marble	LF
VTSNK	& Vanity top with sink (one piece) - cultured marble	LF
VTSNK+	& Vanity top - one sink - cultured marble - high grade	LF
VTSNK>	& Vanity top - two sinks - cultured marble	LF
VTSNK>+	& Vanity top - two sinks - cultured marble - high grade	LF
VTSNKO	& Vanity top with sink (one piece) - onyx	LF
VTSNKO+	& Vanity top - one sink - onyx - high grade	LF
VTSNKO>	& Vanity top - two sinks - onyx	LF
VTSNKRS	+ Vanity top - Detach & reset	LF
VTSNO>+	& Vanity top - two sinks - onyx - high grade	LF
W	& Wall veneer panels - cultured marble	SF W
WN	& Wall veneer panels - natural marble	SF W

MPR = Moisture Protection

BR	+ Open cell backing rod, 1/2"	LF
CLKA	+ Caulking - acrylic	LF
CLKB	+ Caulking - butyl rubber	LF
CLKS	+ Caulking - silicone	LF
DMPR	+ Dampproofing	SF
DMPR+	+ Dampproofing - asphalt emulsion	SF
WPRF	+ Waterproofing - two coats of emulsion over a glass fabric	SF

MSD = Mirrors & Shower Doors

AV	& Mirror - 1/4" plate glass	SF
AV+	& Mirror - 1/4" plate glass - gold veined or smoked	SF
OHC	+ Outlet hole - cut into mirror	EA
AVRS	+ Mirror - plate glass - Detach & reset	EA
MN	+ Mirror, shower door - Minimum charge	EA
SDOR-	& Shower door - Standard grade	EA

SDOR	& Shower door	EA
SDOR+	& Shower door - High grade	EA
SDOR++	& Shower door - Premium grade	EA
SDORC	& Shower door - corner unit	EA
SDORC+	& Shower door - corner unit - High grade	EA
SDORC++	& Shower door - corner unit - Premium grade	EA
SDORCRS	& Shower door - corner unit - Detach & reset	EA
SDOR-RS	+ Remove and reset shower door - slab only	EA
TIL	& Mirror tile	SF
TIL+	& Mirror tile - High grade	SF
TIL++	& Mirror tile - Premium grade	SF
TILMN	+ Mirror tile - Minimum charge	EA
TUBDR-	& Bathtub enclosure - sliding glass doors - Standard grade	EA
TUBDR	& Bathtub enclosure - sliding glass doors	EA
TUBDR+	& Bathtub enclosure - sliding glass doors - High grade	EA
TUBDR++	& Bathtub enclosure - sliding glass doors - Premium grade	EA
TUBDRRS	+ Bathtub enclosure - sliding glass doors - Detach & reset	EA

MSK = Mobile Home Skirting & Setup

BLK	& 4" x 8" x 16" hollow block used to level - installed	EA
BLK+	& 4" x 8" x 16" solid block used to level - installed	EA
BRKDW	+ Break down prior to move	EA
BRKSET	+ Break down prior to and set up after move	EA
LEV	+ Block and level - single wide	EA
LEV>	+ Block and level - double wide	EA
LEV>>	+ Block and level - triple wide	EA
MN	+ Mobile home skirting - Minimum charge	EA
MOVE	+ Moving - bid per job	EA
RELEV	+ Relevel - single wide	EA
RELEV>	+ Relevel - double wide	EA
RELEV>>	+ Relevel - triple wide	EA
SKRTDOR	& Access door - in mobile home skirting	EA
SKRTF	& Skirting - fiberboard or Masonite	SF
SKRTM	& Skirting - metal	SF
SKRTRS	+ Skirting - Detach & reset	SF
SKRTV	& Skirting - vinyl or plastic	SF
STAND	& Park stand or pier with screw adjuster	EA

MTL = Metal Structures & Components

MN	+ Metal structure repair - Minimum charge	EA
PNLC	& Wall or roof panel - corrugated	SF
PNLR	& Wall or roof panel - 7/8" rib	SF
PNLS	& Wall or roof panel - S-36 style	SF
PP	& Post and pole framed steel building	SF F
SSRFG	& Standing seam metal roofing	SF
XBRAC	& X-bracing - 5/16" galvanized cable	LF

ORI = Ornamental Iron

DORS	& Ornamental iron - Security door	EA
DORS	& Ornamental iron - Security door - High grade	EA
GRIL-	& Ornamental iron - security grill - window - Standard grade	SF
GRIL	& Ornamental iron - security grill - window	SF
MN	+ Ornamental iron - Minimum charge	EA
ORGT	& Ornamental iron gate - plain - 4' wide x 3' high	EA
ORRS	+ Ornamental iron handrail - Detach & reset	LF
ORSP	& Ornamental iron handrail w/ straight pickets, 3' high	LF
ORTP	& Ornamental iron handrail w/ twisted pickets, 3' high	LF

PLA = Interior Lath & Plaster

2	& Two coat plaster (no lath)	SF WC
APG	& Acoustic plaster over 1/2" gypsum lath	SF WC
APM	& Acoustic plaster over metal lath	SF WC

G2	& Two coat plaster over 1/2" gypsum lath	SF WC
M2	& Two coat plaster over metal lath	SF WC
M3	& Three coat plaster over metal lath	SF WC
MED	& Ceiling medallion - molded polymer	EA
MN	+ Interior plaster repair - Minimum charge	EA
THIN	+ Thin coat plaster (no lath)	SF WC
THING	& Thin coat plaster over 1/2" gypsum lath	SF WC

PLM = Plumbing

BFAU	& Bidet - faucet w/fittings	EA
BFAU+	& Bidet - faucet w/fittings - High grade	EA
BFAU++	& Bidet - faucet w/fittings - Premium grade	EA
BID	& Bidet	EA
BID+	& Bidet - High grade	EA
BIDRS	+ Bidet - Detach & reset	EA
BP1/2	& Black pipe with fitting and hanger, 1/2"	LF
BP3/4	& Black pipe with fitting and hanger, 3/4"	LF
BP1	& Black pipe with fitting and hanger, 1"	LF
BP2	& Black pipe with fitting and hanger, 2"	LF
BP3	& Black pipe with fitting and hanger, 3"	LF
BP4	& Black pipe with fitting and hanger, 4"	LF
CI1-1/2	& Cast iron pipe (no-hub), 1 1/2" with 1 fitting per 10'	LF
CI2	& Cast iron pipe (no-hub), 2" with 1 fitting per 10'	LF
CI3	& Cast iron pipe (no-hub), 3" with 1 fitting per 10'	LF
CI4	& Cast iron pipe (no-hub), 4" with 1 fitting per 10'	LF
CI6	& Cast iron pipe (no-hub), 6" with 1 fitting per 10'	LF
CI8	& Cast iron pipe (no-hub), 8" with 1 fitting per 10'	LF
DRN1	& Drain line - ABS pipe with fitting and hanger, 1 1/2"	LF
DRN2	& Drain line - ABS pipe with fitting and hanger, 2"	LF
DRN3	& Drain line - ABS pipe with fitting and hanger, 3"	LF
DRN4	& Drain line - ABS pipe with fitting and hanger, 4"	LF
DRN6	& Drain line - ABS pipe with fitting and hanger, 6"	LF
DRNRS	+ Drain line - ABS pipe - Detach & reset	LF
FAU-	& Sink faucet - Standard grade	EA
FAU	& Sink faucet	EA
FAU+	& Sink faucet - High grade	EA
FAU++	& Sink faucet - Premium grade	EA
FAUB	& Sink faucet - Brass	EA
FAUBA-	& Sink faucet - Bathroom - Standard grade	EA
FAUBA	& Sink faucet - Bathroom	EA
FAUBA+	& Sink faucet - Bathroom - High grade	EA
FAUBA++	& Sink faucet - Bathroom - Premium grade	EA
FAUGOLD	& Sink faucet - Gold plated	EA
FAUKDM	& Faucet for double kitchen sink - mobile home	EA
FAUKSM	& Faucet for single kitchen sink - mobile home	EA
FAURS	+ Sink faucet - Detach & reset	EA
FNTN	& Drinking fountain	EA
FNTN+	& Drinking fountain with cooler	EA
GP1/2	& Galvanized pipe with fitting and hanger, 1/2"	LF
GP3/4	& Galvanized pipe with fitting and hanger, 3/4"	LF
GP1	& Galvanized pipe with fitting and hanger, 1"	LF
GP1-1/2	& Galvanized pipe with fitting and hanger, 1 1/2"	LF
GP2	& Galvanized pipe with fitting and hanger, 2"	LF
JT	& Jetted tub - Acrylic - Average grade	EA
JT+	& Jetted tub - Acrylic - High grade	EA
JTCNR	& Jetted tub - Acrylic, corner unit - Chrome or brass trim	EA
JTFAU	& Jetted tub faucet	EA
JTFAU+	& Jetted tub faucet - High grade	EA
JTRS	+ Jetted tub - Acrylic - Detach and reset	EA
LEAK	+ Fee to locate under slab leak	EA
LTUB-	& Laundry tub - Standard grade	EA
LTUB	& Laundry tub	EA

LTUB+	& Laundry tub - High grade	EA	
LTUB++	& Laundry tub - Premium grade	EA	
LTUBRS	+ Laundry tub - Detach & reset	EA	
MN	+ Plumbing repair - Minimum charge	EA	
PSNK-	& Pedestal sink - Standard grade	EA	
PSNK	& Pedestal sink	EA	
PSNK+	& Pedestal sink - High grade	EA	
PSNK++	& Pedestal sink - Premium grade	EA	
PSNKRS	+ Pedestal sink - Detach & reset	EA	
PTRAP	& P-trap assembly - ABS (plastic)	EA	
SL3/8	& Water supply line - copper with fitting and hangar, 3/8"	LF	
SL1/2	& Water supply line - copper with fitting and hangar, 1/2"	LF	
SL3/4	& Water supply line - copper with fitting and hangar, 3/4"	LF	
SL1	& Water supply line - copper with fitting and hangar, 1"	LF	
SL1-1/2	& Water supply line - copper with fitting and hangar, 1-1/2"	LF	
SL2	& Water supply line - copper with fitting and hangar, 2"	LF	
SLABOC	+ Open and close slab for plumbing work	EA	
SLRS	+ Water supply line - copper - Detach & reset	LF	
ROUGH	+ Rough in plumbing - includes supply and waste lines	SF	F
SNK-	& Sink - single - Standard grade	EA	
SNK	& Sink - single	EA	
SNK+	& Sink - single - High grade	EA	
SNK++	& Sink - single - Premium grade	EA	
SNKD-	& Sink - double - Standard grade	EA	
SNKD	& Sink - double	EA	
SNKD+	& Sink - double - High grade	EA	
SNKD++	& Sink - double - Premium grade	EA	
SNKDRS	+ Sink - double - Detach & reset	EA	
SNKM	& Single basin sink - mobile home	EA	
SNKRS	+ Sink - single - Detach & reset	EA	
SSNK	& Service sink - 22" x 20" - wall hung	EA	
SSNK+	& Service sink - corner - floor mounted	EA	
STOP	& Angle stop and supply line	EA	
SUMP	& Sump pump - 1 1/2" discharge	EA	
SUMPRS	+ Sump pump - Detach & reset	EA	
SUP	& Plumbing fixture supply line	EA	
SWFAU-	& Shower faucet - Standard grade	EA	
SWFAU	& Shower faucet	EA	
SWFAU+	& Shower faucet - High grade	EA	
SWFAU++	& Shower faucet - Premium grade	EA	
SWR-	& Fiberglass shower unit - Standard grade	EA	
SWR	& Fiberglass shower unit	EA	
SWR+	& Fiberglass shower unit - High grade	EA	
SWR++	& Fiberglass shower unit - Premium grade	EA	
SWRB	& Shower Base (fiberglass)	EA	
SWRB+	& Shower Base (cultured marble)	EA	
SWRPAN	+ Shower pan	EA	
SWRPAN>	+ Shower pan - Large	EA	
SWRRS	+ Fiberglass shower unit - Detach & reset	EA	
SWRST	& Steam shower	EA	
SWRSTB	& Steam shower/bath	EA	
TLT-	& Toilet - Standard grade	EA	
TLT	& Toilet	EA	
TLT+	& Toilet - High grade	EA	
TLT++	& Toilet - Premium grade	EA	
TLTRS	+ Toilet - Detach & reset	EA	
TLTS-	& Toilet seat - Standard grade	EA	
TLTS	& Toilet seat	EA	
TLTS+	& Toilet seat - High grade	EA	
TLTS++	& Toilet seat - Premium grade	EA	
TLTSRS	+ Toilet seat - Detach & reset	EA	
TSFAU-	& Tub/shower faucet - Standard grade	EA	
TSFAU	& Tub/shower faucet	EA	
TSFAU+	& Tub/shower faucet - High grade	EA	
TSFAU++	& Tub/shower faucet - Premium grade	EA	
TSFAURS	+ Tub/shower faucet - Detach & reset	EA	
TUBFAU	& Bathtub faucet (no shower)	EA	
TUBFAU+	& Bathtub faucet (no shower) - High grade	EA	
TUB-	& Bathtub - Standard grade	EA	
TUB	& Bathtub	EA	
TUB+	& Bathtub - High grade	EA	
TUB++	& Bathtub - Premium grade	EA	
TUBM	& Bathtub, 4.5 ft. long - mobile home	EA	
TUBRS	+ Bathtub - Detach & reset	EA	
TUB/S-	& Fiberglass tub & shower combination - Standard grade	EA	
TUB/S	& Fiberglass tub & shower combination	EA	
TUB/S+	& Fiberglass tub & shower combination - High grade	EA	
TUB/S++	& Fiberglass tub & shower combination - Premium grade	EA	
TUB/SRS	+ Fiberglass tub & shower combination - Detach & reset	EA	
TUBGM	& Garden bathtub - 4.5 ft. long - mobile home	EA	
UR	& Urinal - wall hung	EA	
UR+	& Urinal - stall type	EA	
WBOX	& Washing machine outlet box with valves	EA	
WC	& Water closet	EA	
WCE	& Water closet - elongated	EA	
WCHA	& Water closet - handicapped	EA	
WCRS	+ Water closet - Detach & reset	EA	
WCWH	& Water closet - wall hung	EA	
WCS	& Water closet seat	EA	
WCS+	& Water closet seat - High grade	EA	
WCSE	& Water closet seat - elongated	EA	
WCERS	+ Water closet seat - Detach & reset	EA	
WH6	& Water heater - 6 gallon	EA	
WH7.5M	& Water heater - 7.5 gal. electric - mobile home	EA	
WH20	& Water heater - 20 gallon - Electric	EA	
WH30	& Water heater - 30 gallon - Gas	EA	
WH30E	& Water heater - 30 gallon - Electric	EA	
WH30M	& Water heater - 30 gal. (direct vent) - Gas - mobile home	EA	
WH40	& Water heater - 40 gallon - Gas	EA	
WH40E	& Water heater - 40 gallon - Electric	EA	
WH40M	& Water heater - 40 gal. (direct vent) - Gas - mobile home	EA	
WH50	& Water heater - 50 gallon - Gas	EA	
WH50E	& Water heater - 50 gallon - Electric	EA	
WH75	& Water heater - 75 gallon - Gas	EA	
WH80E	& Water heater - 75 gallon - Electric	EA	
WH100	& Water heater - 100 gallon residential grade - Gas	EA	
WH100+	& Water heater - 100 gal - CA approved	EA	
WH120E	& Water heater - 120 gallon - Electric	EA	
WH140	& Water heater - 140 gal - gas	EA	
WH200	& Water heater - 200 gal - gas	EA	
WHRJM	& Water heater roof jack assembly - mobile home	EA	
WHR	+ Water heater - Detach & reset	EA	
WS<	& Water softener - Small	EA	
WS	& Water softener	EA	
WS>	& Water softener - Large	EA	
WS>>	& Water softener - Extra large	EA	
WSRS	+ Water softener - Detach & reset	EA	
XFAU	& Exterior faucet	EA	
XFAUF	& Exterior faucet - frost free	EA	
XFAURS	+ Exterior faucet - Detach & reset	EA	
PNL = Paneling & Wood Wall Finishes			
AV-	& Paneling - Standard grade	SF	W
AV	& Paneling	SF	W

AV+	& Paneling - High grade	SF	W
AV++	& Paneling - Premium grade	SF	W
BAB	& Board & batten style wall covering	SF	W
BOB	& Board on board style wall covering	SF	W
CHEV	+ Add for chevron style install (1 angle joint in wall cntr)	SF	W
CLOS	& Cedar closet lining	SF	W
CORK	& Cork wall tile	SF	W
CORK+	& Cork wall tile - High grade	SF	W
CORKMN	+ Cork wall tile - Minimum charge	EA	
DIAG	+ Add for diagonal installation	SF	W
FORM	& Formica wall finish	SF	W
FORM+	& Formica wall finish with metal trim	SF	W
HBONE	+ Add for herringbone install-diagonal joints 4'-6' apart	SF	W
MN	+ Paneling - Minimum charge	EA	
PEG	& Pegboard	SF	
SWR	& Marlite shower surround w/trim - up to 98 SF	EA	
TGB	& T & G paneling - butterfly (beaded vee with 1" cove)	SF	W
TGBN	& T & G paneling - bullnose (rounded joints)	SF	W
TGBV	& T & G paneling - double beaded vee	SF	W
TGCD	& T & G paneling - cedar paneling (unfinished)	SF	W
TGKP	& T & G paneling - knotty pine paneling (unfinished)	SF	W
TGRW	& T & G paneling - redwood paneling (unfinished)	SF	W
TGV	& T & G paneling - v-joint paneling	SF	W
TUB	& Marlite tub surround w/trim - up to 65 SF	EA	
WP	& Waterproof paneling w/trim	SF	W
WP+	& Waterproof paneling w/trim - High grade	SF	W
WP++	& Waterproof paneling w/trim - Premium grade	SF	W

PNT = Painting

AC	+ Paint acoustic ceiling (popcorn) texture	SF	C
ACT	+ Paint acoustic ceiling tile	SF	C
AGRIL	+ Paint air ventilation grill (per side)	SF	
ATTIC	+ Seal attic framing for odor control	SF	
ATTIC+	+ Seal attic framing to matt white finish	SF	
AWN	+ Paint aluminum awning	SF	
B	+ Paint baseboard - one coat	LF	PF
B>	+ Paint baseboard, oversized - one coat	LF	PF
B2	+ Paint baseboard - two coats	LF	PF
B>2	+ Paint baseboard, oversized - two coats	LF	PF
BS	+ Stain & finish baseboard	LF	PF
BS>	+ Stain & finish baseboard, oversized	LF	PF
BCS	+ Paint baseboard, cap & shoe	LF	PF
BCSS	+ Stain & finish baseboard, cap & shoe	LF	PF
BAL	+ Paint balustrade	LF	
BALS	+ Stain & finish balustrade	LF	
BBH	+ Paint baseboard heater	LF	
BF	+ Paint door - bifold set (per side)	EA	
BFS	+ Stain & finish door - bifold set (per side)	EA	
BK	+ Paint/finish bookcase	SF	
BKS	+ Stain/finish bookcase	SF	
BLR	+ Paint boiler unit	EA	
BM	+ Paint wood beam	SF	
BMS	+ Stain/finish wood beam	SF	
BP	+ Paint door - bypass (sliding) set (per side)	EA	
BPS	+ Stain & finish door - bypass (sliding) set (per side)	EA	
BPNL	+ Breaker panel cover - prep and repaint	EA	
BRK	+ Finish brick with masonry sealer	SF	W
C	+ Paint casing - one coat	LF	
C2	+ Paint casing - two coats	LF	
CS	+ Stain & finish casing	LF	
CA	+ Paint cold air return (cover)	EA	
CHR	+ Paint chair rail - one coat	LF	PF

CHR2	+ Paint chair rail - two coats	LF	PF
CHRS	+ Stain & finish chair rail	LF	PF
CLOS<	+ Paint - closet package (shelf, jamb & casing) - Small	EA	
CLOS	+ Paint - closet package (shelf, jamb & casing)	EA	
CLOS>	+ Paint - closet package (shelf, jamb & casing) - Large	EA	
CLOSL	+ Paint - closet package (hall or linen closet)	EA	
CNC	+ Paint concrete {V}	SF	
CNR	+ Paint corner trim	LF	
CNRS	+ Stain & finish corner trim	LF	
CWN	+ Paint crown molding - one coat	LF	PC
CWN>	+ Paint crown molding, oversized - one coat	LF	PC
CWN2	+ Paint crown molding - two coats	LF	PC
CWN>2	+ Paint crown molding, oversized - two coats	LF	PC
CWNS	+ Stain & finish crown molding	LF	PC
DCT	+ Paint ductwork system - hot or cold air	EA	
DCTLF	+ Paint ductwork - hot or cold air	LF	
DCTRM	+ Paint ductwork - hot or cold air (per room)	EA	
DK	+ Stain/finish deck	SF	
DKRL	+ Stain/finish deck handrail	LF	
DOR	+ Paint door (per side)	EA	
DORS	+ Stain & finish door (per side)	EA	
DORST	+ Strip paint/finish from door, 3-0 or smaller (per side)	EA	
DORT	+ Paint door trim & jamb (per side)	EA	
DORTS	+ Stain & finish door/window trim & jamb (per side)	EA	
EC	+ Paint evaporative cooler	EA	
ECDIF	+ Paint evaporative cooler diffuser	EA	
FACM	+ Paint exterior fascia - metal, 4"- 6" wide	LF	
FACW	+ Paint exterior fascia - wood, 4"- 6" wide	LF	
FAUX	+ Painting - Faux (special effects) - 2 part	SF	
FAUX+	+ Painting - Faux (special effects) - 3 part	SF	
FAUX++	+ Painting - Faux (special effects) - Marbling	SF	
FCS	+ Finish flooring - stone (per coat)	SF	F
FEN	+ Paint/finish - wood fence	SF	
FENGT	+ Paint/finish - wood gate	SF	
FH	+ Paint full height cabinetry - inside and out	LF	
FH<	+ Paint cabinetry - full height - inside and out	LF	
FHF	+ Paint full height cabinetry - faces only	LF	
FHF<	+ Paint cabinetry - full height - faces only	LF	
FHFS	+ Stain & finish full height cabinetry - faces only	LF	
FHS	+ Stain & finish full height cabinetry - inside and out	LF	
FHST	+ Strip and refinish cabinetry - full height - inside and out	LF	
FHFST	+ Strip and refinish cabinetry - full height - faces only	LF	
FR	+ Paint door - French (per side)	EA	
FR2	+ Paint door - French double door set (per side)	EA	
FRS	+ Stain & finish door - French (per side)	EA	
FW	+ Seal foundation wall	SF	W
GRIL	+ Paint ornamental iron grill	SF	
GUTG	+ Paint gutter / downspout	LF	
HR	+ Paint handrail - wall mounted	LF	
HRS	+ Stain & finish handrail - wall mounted	LF	
HRTH	+ Paint fireplace hearth	SF	
JST	+ Seal floor or roof joist system	SF	F
LOW	+ Seal and paint cabinetry - lower - inside and out	LF	
LOW<	+ Paint cabinetry - lower - inside and out	LF	
LOWF	+ Seal and paint cabinetry - lower - faces only	LF	
LOWF<	+ Paint cabinetry - lower - faces out	LF	
LOWS	+ Stain & finish cabinetry - lower - inside and out	LF	
LOWFS	+ Stain & finish cabinetry - lower - faces only	LF	
LOWST	+ Strip & refinish cabinetry - lower - inside and out	LF	
LOWFST	+ Strip & refinish cabinetry - lower - faces only	LF	
LVR-	+ Paint door - half louvered (per side)	EA	
LVR	+ Paint door - full louvered (per side)	EA	

LVR-	+ Stain & finish door - half louvered (per side)	EA
LVRS	+ Stain & finish door - full louvered (per side)	EA
MAS	+ Paint/seal masonry	SF W
MASKL	+ Mask and cover large light fixture	EA
MASKL+	+ Mask and cover large ornate light fixture	EA
MASKLF	+ Mask and prep for paint	LF PC
MASKSF	+ Mask {V} per square foot	SF W
MC	+ Paint medicine cabinet	EA
MCS	+ Stain & finish medicine cabinet	EA
MCST	+ Strip and refinish medicine cabinet	EA
MN	+ Painting - Minimum charge	EA
MTL	+ Paint metal siding	SF W
MTLR	+ Paint metal roofing	SF
OH	+ Paint/finish overhead door (per side)	EA
OH>	+ Paint/finish overhead door - Large (per side)	EA
OHDORT	+ Paint single garage door opening & trim	EA
OHDORT>	+ Paint double garage door opening & trim	EA
OP	+ Paint door or window opening (per side)	EA
ORI	+ Paint ornamental iron handrail, 36" to 42" high	LF
P	+ Paint {V} - one coat	SF WC
P2	+ Paint {V} - two coats	SF WC
PATIO	+ Paint aluminum patio cover	SF
PIPE<	+ Paint pipe, 1" to 3" diameter	LF
PIPE	+ Paint pipe, 4" to 6" diameter	LF
PNL	+ Paint paneling	SF W
PNLS	+ Stain & finish paneling	SF W
POST	+ Paint/finish - fence post - wood	EA
RAD	+ Paint radiator unit	EA
RADC	+ Paint radiator cover	EA
RISER	+ Paint stair riser	EA
RISERS	+ Stain & finish stair riser	EA
S	+ Seal/prime {V} - one coat	SF WC
S2	+ Seal/prime {V} - two coats	SF WC
S3	+ Seal/prime {V} - three coats	SF WC
SAND	+ Sand wood	SF
SCRP	+ Scrape {V} & prep for paint	SF WC
SDG	+ Seal then paint/finish wood siding	SF W
SFTM	+ Paint exterior soffit - metal	SF
SFTR	+ Prime & paint exterior soffit - exposed rafter	SF
SFTW	+ Paint exterior soffit - wood	SF
SG	+ Paint suspended ceiling grid	SF C
SH	+ Paint plywood sheathing	SF
SHOE	+ Paint base shoe	LF PF
SHOES	+ Stain & finish base shoe	LF PF
SHTR	+ Paint/finish window shutters (set)	EA
SHW	+ Paint wood shelving, 12"- 24" width	LF
SHWS	+ Stain & finish wood shelving, 12"- 24" width	LF
SILL	+ Paint/finish window sill	LF
SILLS	+ Stain & finish wood window sill	LF
SM2	+ Paint sheet metal - two coats	SF
SP	+ Seal then paint {V} (2 coats)	SF WC
SP2	+ Seal then paint {V} twice (3 coats)	SF WC
SP2+	+ Seal then paint {V} twice (3 coats) - 2 colors	SF WC
STR	+ Paint stair stringer	LF
STRDIS	+ Paint disappearing (folding) stairway	EA
STRMD	+ Paint/finish storm door assembly	EA
STRMW	+ Paint/finish storm window	EA
STRS	+ Stain & finish stair stringer	LF
STU	+ Paint stucco	SF W
SWALL	+ Seal stud wall for odor control	SF W
SWPS	+ Seal/prime (V) - one coat (white pigmented shellac)	SF
TBAR	+ Paint towel bar	EA

TEX	+ Texture paint {V}	SF WC
TR	+ Seal truss system	SF C
TRD	+ Paint stair tread	EA
TRDS	+ Stain & finish stair tread	EA
TRIM	+ Paint trim	LF
TRIMS	+ Stain & finish trim	LF
TRIMST	+ Strip paint/finish from trim, 1" - 4" wide	LF
TRIMST>	+ Strip paint/finish from trim, 4" - 8" wide	LF
UL	+ Seal underlayment for odor control	SF F
UP	+ Seal and paint cabinetry - upper - inside and out	LF
UP<	+ Paint cabinetry - upper - inside and out	LF
UPF	+ Seal and cabinetry - upper - faces only	LF
UPF<	+ Paint cabinetry - upper - faces only	LF
UPS	+ Stain & finish cabinetry - upper - inside and out	LF
UPFS	+ Stain & finish cabinetry - upper - faces only	LF
UPST	+ Strip & refinish cabinetry - upper - inside and out	LF
UPFST	+ Strip & refinish cabinetry - upper - faces only	LF
VAN	+ Seal and paint vanity - inside and out	LF
VAN<	+ Paint vanity - inside and out	LF
VANF	+ Seal and paint vanity - faces only	LF
VANF<	+ Paint vanity - faces only	LF
VANS	+ Stain & finish vanity - inside and out	LF
VANFS	+ Stain & finish vanity - faces only	LF
VANFST	+ Strip & refinish vanity - faces only	LF
VANST	+ Strip & refinish vanity - inside and out	LF
VENT	+ Paint roof vent	EA
WDW<	+ Paint/finish wood window (per side) - Small	EA
WDW	+ Paint/finish wood window (per side)	EA
WDW>	+ Paint/finish wood window (per side) - Large	EA
WDW>>	+ Paint/finish wood window (per side) - Extra large	EA
WPR	+ Paint wallpaper/Sanitex	SF W
WSH	+ Paint (stain) wood shingles	SF
X1	+ Exterior - paint one coat	SF W
X2	+ Exterior - paint two coats	SF W
XDOR	+ Paint door - exterior (per side)	EA
XDORS	+ Stain and finish door - exterior (per side)	EA
XS	+ Exterior - seal or prime and prep for paint	SF W
XSP	+ Exterior - seal or prime then paint with one finish coat	SF W
XSP2	+ Exterior - seal or prime then paint with two finish coats	SF W
XSTN	+ Exterior - stain one coat	SF W
XSTN2	+ Exterior - stain two coats	SF W

POL = Swimming Pools & Spas

AV	& Swimming pool complete - gunite (white plaster finish)	SF
AV+	& Swimming pool complete - tile finish	SF
CAULK	+ Elastomeric joint caulking of pool deck	LF
CHLOR	& Swimming pool chlorination system	EA
COV	& Swimming pool cover - reinforced vinyl	SF
COV+	& Swimming pool cover - automatic	SF
DKAGG	+ Pool decking - epoxy aggregate surface	SF
FIL	& Swimming pool filtration system 6000 gal/hr	EA
GROUT	+ Regrout tile swimming pool	SF
HTRE	& Swimming pool heater - electric	EA
HTRE>	& Swimming pool heater - electric - Large	EA
HTRG	& Swimming pool heater - gas	EA
HTRG>	& Swimming pool heater - gas - Large	EA
HTRRS	+ Swimming pool heater - Detach & reset	EA
LAD	& Swimming pool ladder - 3 rung - Stainless steel	EA
MN	+ Swimming pool repair - Minimum charge	EA
PNT	+ Repaint pool with rubber base paint	SF
PNT+	+ Paint pool with epoxy paint	SF
PUMP	& Swimming pool pump, 3/4 hp	EA

PUMP>	& Swimming pool pump, 2 hp	EA
SPA<	& Spa - self contained above ground - 3 person	EA
SPA	& Spa - self contained above ground - 5 person	EA
SPA>	& Spa - self contained above ground - 8 person	EA
SPAG	& Spa - complete in-ground unit - 6 person	EA
SPAG>	& Spa - complete in ground unit - 8 person	EA
SPAG>>	& Spa - complete in-ground unit - 10 person	EA

RFG = Roofing

220	& 3-tab - 20 yr. - composition shingle roofing - incl. felt	SQ GRFW:
220E	& 3-tab - 20 yr. composition shingle roofing (per shingle)	EA
220S	& 3-tab - 20 yr. - comp. shingle roofing - shingles only	SQ GRFW:
240	& 3-tab - 25 yr. - composition shingle roofing - incl. felt	SQ GRFW:
240E	& 3-tab - 25 yr. - composition shingle roofing (per shingle)	EA
240S	& 3-tab - 25 yr. - comp. shingle roofing - shingles only	SQ GRFW:
250	& Laminated - 25 yr. - composition shingle rfg. - incl. felt	SQ GRFW:
250E	& Laminated - 25 yr. - comp. shingle roofing (per shingle)	EA
250S	& Laminated - 25 yr. - comp. shingle rfg. - shingles only	SQ GRFW:
250TL	& T-Lock - 25 yr. - comp. shingle roofing - incl. felt	SQ GRFW:
250TLE	& T-Lock - 25 yr. - comp. shingle roofing (per shingle)	SQ
250TLS	& T-Lock - 25 yr. - comp. shingle roofing - shingles only	SQ GRFW:
280	& 3-tab - 25 yr (hvy wt) composition shingle rfg. - incl. felt	SQ GRFW:
280E	& 3-tab - 25 yr. - (hvy wt) comp. shingle rfg. (per shingle)	EA
280S	& 3-tab - 25 yr. (hvy wt) comp. shingle rfg. - shingles only	SQ GRFW:
300	& Laminated - 30 yr. - composition shingle rfg. - incl. felt	SQ GRFW:
300E	& Laminated - 30 yr. - comp. shingle roofing (per shingle)	EA
300S	& Laminated - 30 yr. - comp. shingle rfg. - shingles only	SQ GRFW:
400	& Laminated - 40 yr. - comp. shingle roofing - incl felt	SQ GRFW:
400E	& Laminated - 40 yr. - comp. shingle rfg. - (per shingle)	EA
400S	& Laminated - 40 yr. - comp. shingle roofing - shingles only	SQ GRFW:
500	& Laminated - Lifetime - comp. shingle rfg. - incl felt	SQ GRFW:
500E	& Laminated - Lifetime - comp. shingle rfg. - (per shingle)	EA
500S	& Laminated - Lifetime - comp. shingle rfg. - shingles only	SQ GRFW:
500SL	& Laminated - Lifetime - Slate look comp. shingle - incl felt	SQ GRFW:
500SLE	& Laminated - Lifetime - Slate look comp. shingle (per shingle)	SQ
500SLS	& Laminated - Lifetime - Slate look comp. shingle - shingles only	SQ GRFW:
ADDRMV	- Additional layer of comp. shingles (tear off per layer)	SQ GRFW:
ALPNT	+ Aluminum coating - without fiber	SF
ALPNT+	+ Aluminum coating - with fiber	SF
BI	& Modified bitumen roof	SQ
BU3	& Built-up 3 ply roofing - in place	SQ
BU4	& Built-up 4 ply roofing - in place	SQ
BU5	& Built-up 5 ply roofing - in place	SQ
BUG	& Built-up roofing - gravel ballast	SQ
BUSFG	+ Built-up roofing - scratch, flood and re-gravel	SQ
CFG	& Corrugated fiberglass roofing (greenhouse type)	SF
CSH	& Composite Roofing - Shake style - incl. felt	SQ
CSHE	& Composite Roofing - Shake style (per shingle)	EA
CSL	& Composite Roofing - Slate style - incl. felt	SQ
CSLE	& Composite Roofing - Slate style (per shingle)	EA
DRIP	& Drip edge	LF
DRIPC	& Drip edge - copper	LF
ELASTO	+ Elastomeric roof coating (rubberized) for mobile home	SF C
ELASTO<	+ Elastomeric roof coating (rubberized) small patch	EA
FB1	& Fiberboard, 1"	SF C
FB2	& Fiberboard, 2"	SF C
FB3	& Fiberboard, 3"	SF
FELT15	+ Roofing felt - 15 lb.	SQ
FELT30	+ Roofing felt - 30 lb.	SQ
FL14	& Flashing, 14" wide	LF
FL14C	& Flashing, 14" wide - copper	LF
FL20	& Flashing, 20" wide	LF

FLCAP	& Cap flashing (counterflashing)	LF
FLCAPC	& Cap flashing (counterflashing) - copper	LF
FLP	& Flash parapet wall only	LF
FLPIPE	+ Flashing - pipe jack	EA
FLPIPEC	+ Flashing - pipe jack - copper	EA
FLRIG	& Ridge flashing	LF
FLRIGC	& Ridge flashing - copper	LF
GLVM	& Galvanized roofing - mobile home	SF C
GSTOP	& Gravel stop	LF
GSTOPC	& Gravel stop - copper	LF
HTMN	+ Roofing repair - hot material required - Min. charge	EA
IF3/4	& Insulation - fiberglass board, 3/4"	SQ
IF1	& Insulation - fiberglass board, 1"	SQ
IF2	& Insulation - fiberglass board, 2"	SQ
IP1	& Insulation - perlite board, 1"	SQ
IP1-1/2	& Insulation - perlite board, 1-1/2"	SQ
IP2	& Insulation - perlite board, 2"	SQ
IP3	& Insulation - perlite board, 3"	SQ
IPO1	& Insulation - polystyrene board, 1"	SQ
IPO2	& Insulation - polystyrene board, 2"	SQ
IU1	& Insulation - urethane board, 1"	SQ
IU1-1/2	& Insulation - urethane board, 1-1/2"	SQ
IU2	& Insulation - urethane board, 2"	SQ
IU3	& Insulation - urethane board, 3"	SQ
IWS	+ Ice & water shield	SF
MN	+ Roofing repair - Minimum charge	EA
MTL-	& Metal roofing - Standard grade	SF
MTL	& Metal roofing	SF
MTL+	& Metal roofing - High grade	SF
MTL++	& Metal roofing - Premium grade	SF
MTLMN	+ Metal roofing - Minimum charge	EA
MTLRS	+ Metal roofing - Detach & reset	SF
PLSLM	+ Peel & Seal reroofing material - mobile home	SF C
RIDGC	+ Ridge cap - composition shingles	LF
RIDGC+	+ Ridge cap - High profile - composition shingles	LF
RIDGM	+ Ridge cap - metal roofing	LF
RIDGT	+ Ridge cap - tile roofing	LF
RIDGW	+ Ridge cap - wood shingles	LF
RL	& Roll roofing	SQ
RL+	& Roll roofing - High grade	SQ
RUB	& Rubber roofing - Perimeter adhered system	SQ
RUB+	& Rubber roofing - Full adhered system	SQ
SLATE	& Slate roofing - 12" to 18" tall	SQ
SLATE+	& Slate roofing - High grade - 18" to 24" tall	SQ
SLATE++	& Slate roofing - Premium grade - 12" to 24" tall - red	SQ
SLE	& Slate roofing - 12" to 18" tall (per slate)	EA
SLE+	& Slate roofing - High grade - 12" to 18" tall (per slate)	EA
SLE++	& Slate roofing - Premium grade - 12" to 18" tall (per slate)	EA
SPLY	& Single ply .060 PVC membrane - mechanically fastened	SQ
SPLY+	& Single ply .045 PVC membrane - with gravel ballast	SQ
STEEP	+ Additional charge for steep or high roof	SQ
STEEP>	+ Additional charge for steep roof greater than 10/12 slope	SQ
STEP	+ Step flashing	LF
STEP C	+ Step flashing - copper	LF
STIL	& Steel tile - granular coated	SQ
STIL+	& Steel tile - granular coated - High grade	SQ
TIL-	& Tile roofing - concrete - "S" or flat tile	SQ GRFW:
TIL	& Tile roofing - clay - "S" or flat tile	SQ GRFW:
TIL+	& Tile roofing - tile roofing - clay - Barrel (mission) tile	SQ GRFW:
TIL++	& Tile roofing - Glazed - (Barrel or "S" tile)	SQ GRFW:
TILE-	& Tile roofing - Concrete - 'S' or flat (per tile)	EA
TILE	& Tile roofing - Clay - 'S' or flat (per tile)	EA

TILE+	& Tile roofing - Clay - Barrel (mission) (per tile)	EA
TILE++	& Tile roofing - Glazed - Barrel or 'S' (per tile)	EA
TILMN	+ tile roofing repair - Minimum charge	EA
TILRS	+ tile roofing - Detach & reset	SQ
VENT	+ Apply mastic around vent pipes to repair leakage	EA
VENTB	& Roof vent - turbine type	EA
VENTR	& Continuous ridge vent - shingle-over style	LF
VENTRS	+ Roof vent - Detach & reset	EA
VENTT	& Roof vent - turtle type	EA
VMTL	& Valley metal	LF
VMTLC	& Valley metal - copper	LF
WSHK	& Wood shakes - medium hand split	SQ GRFW:
WSHK+	& Wood shakes - heavy hand split	SQ GRFW:
WSHKE	& Wood shakes - medium hand split (per shake)	EA
WSHKE+	& Wood shakes - heavy hand split (per shake)	EA
WSHKE	& Wood shakes - medium hand split - fire retard. (per shake)	EA
WSHKE+	& Wood shakes - heavy hand split - fire retard. (per shake)	EA
WSHKR	& Wood shakes - medium hand split - fire resistant	SQ GRFW:
WSHKR+	& Wood shakes - heavy hand split - fire resistant	SQ GRFW:
WSTP	& Wood shingles - taper sawn - #1 cedar	SQ GRFW:
WSTPE	& Wood shingles - taper sawn - #1 cedar (per shingle)	EA
WSTPR	& Wood shingles - taper sawn - fire resistant - #1 cedar	SQ GRFW:
WSTPRE	& Wood shingles - taper sawn - fire resistant - (per shingle)	EA

SCF = Scaffolding

LJ	+ Two ladders with jacks and plank (per day)	EA
MN	+ Scaffold - Minimum charge	EA
RENTD	+ Scaffold rental - per section (per day)	DA
RENTW	+ Scaffold rental - per section (per week)	WK
SECT	+ Labor to set up and take down scaffold - per section	EA

SDG = Siding

1X4	& Siding - cedar slat, 1" x 4" over plywood (excludes ply)	SF W
BAB	& Siding - board & batten - pine or equal	SF W
BABC	& Siding - board & batten - cedar	SF W
BABR	& Siding - board & batten - redwood	SF W
BEV	& Siding - beveled - pine or equal (clapboard)	SF W
BEVC	& Siding - beveled - cedar (clapboard)	SF W
BEVFC	& Siding - beveled - fiber-cement (clapboard)	SF W
BEVR	& Siding - beveled - redwood (clapboard)	SF W
BOB	& Siding - board on board - pine or equal	SF W
BOBC	& Siding - board on board - cedar	SF W
BOBR	& Siding - board on board - redwood	SF W
CSH	& Siding - cedar shingle	SF W
CSH+	& Siding - cedar shingle - fancy cut	SF W
HB	& Siding - hardboard - sheet	SF W
MLAP	& Siding - hardboard - lap pattern	SF W
MN	+ Siding - Minimum charge	EA
MTL-	& Siding - aluminum or steel (.019 thickness)- std grade	SF W
MTL	& Siding - aluminum or steel (.021 thickness)	SF W
MTL+	& Siding - aluminum or steel (.024 thickness) - High grade	SF W
MTLC	& Metal outside corner post	LF
MVRS	+ Metal & vinyl siding - Detach & reset	SF
PLY	& Siding - plywood - fir face	SF W
PLYC	& Siding - plywood - cedar face	SF W
PLYR	& Siding - plywood - redwood face	SF W
SDRS	+ Siding - Detach & reset	SF W
SHIP	& Siding - shiplap - pine or equal	SF W
SHIPC	& Siding - shiplap - cedar	SF W
SHIPR	& Siding - shiplap - redwood	SF W
SHTR<	& Shutters - simulated wood (polystyrene) - Small	EA
SHTR	& Shutters - simulated wood (polystyrene)	EA

SHTR>	& Shutters - simulated wood (polystyrene) - Large	EA
SHTRRS	+ Shutters - Detach & reset	EA
SHUTA	& Security shutter - accordion or folding type	SF
SHUTM	& Motorization for security shutters	SF
SHUTR	& Security shutter - roll-up type	SF
STUC	& Siding - hardboard - simulated stucco	SF W
T111	& Siding - T1-11 Masonite - paint grade	SF W
T111+	& Siding - T1-11 hardboard - stain grade	SF W
TG	& Siding - tongue & groove - pine or equal	SF W
TGC	& Siding - tongue & groove - cedar	SF W
TGR	& Siding - tongue & groove - redwood	SF W
VENTG<	& Attic vent - gable end - vinyl - small	EA
VENTG	& Attic vent - gable end	EA
VENTG>	& Attic vent - gable end - vinyl - large	EA
VENTGW	& Attic vent - gable end - wood	EA
VINYL	& Siding - vinyl	SF W
VINYL+	& Siding - vinyl - High grade	SF W
VINYL++	& Siding - vinyl - Premium grade	SF W
VINYLB	& Light J-block - vinyl	EA
VINYLBV	& Vinyl J-vent	EA
VINYLC	& Vinyl outside corner post	LF
WDWRAP	& Wrap wood window frame & trim with aluminum sheet	EA
WDWRAP<	& Wrap wood window frame & trim with aluminum sheet - small	EA
WDWRAP>	& Wrap wood window frame & trim with aluminum sheet - large	EA

SFG = Soffit, Fascia, & Gutter

FACM4	& Fascia - metal, 4"	LF
FACM6	& Fascia - metal, 6"	LF
FACM8	& Fascia - metal, 8"	LF
FACMVR	+ Fascia - metal/vinyl - Detach & reset	LF
FACV	& Fascia - vinyl coated aluminum, 4" - 6"	LF
FACW4-	& Fascia - 1" x 4" #2 pine	LF
FACW4	& Fascia - 1" x 4" #1 pine	LF
FACW4C	& Fascia - 1" x 4" #3 cedar	LF
FACW6-	& Fascia - 1" x 6" #2 pine	LF
FACW6	& Fascia - 1" x 6" #1 pine	LF
FACW6C	& Fascia - 1" x 6" #3 cedar	LF
FACW8-	& Fascia - 1" x 8" #2 pine	LF
FACW8	& Fascia - 1" x 8" #1 pine	LF
FACW8C	& Fascia - 1" x 8" #3 cedar	LF
GRD	& Gutter guard/screen	LF
GRD+	& Gutter guard/screen - High grade	LF
GRD+RS	+ Gutter guard/screen - High grade - Detach & reset	LF
GRDRS	+ Gutter guard/screen - Detach & reset	LF
GUTA	& Gutter / downspout - aluminum	LF
GUTC	& Gutter / downspout - copper	LF
GUTG	& Gutter / downspout - galvanized	LF
GUTGS	& Gutter / downspout - galvanized - soldered	LF
GUTP	& Gutter / downspout - plastic	LF
GUTRS	+ Gutter / downspout - Detach & reset	LF
MN	+ Soffit, fascia & gutter - Minimum charge	EA
MTL1	& Soffit & fascia - metal - 1' overhang	LF
MTL2	& Soffit & fascia - metal - 2' overhang	LF
MTL3	& Soffit & fascia - metal - 3' overhang	LF
MTL4	& Soffit & fascia - metal - 4' overhang	LF
SFTM	& Soffit - metal	SF
SFTV	& Soffit - vinyl	SF
SFTMVR	+ Soffit - metal/vinyl - Detach & reset	SF
SFTW	& Soffit - wood	SF
WFRM1	& Soffit - box framing - 1' overhang	LF
WFRM2	& Soffit - box framing - 2' overhang	LF
WFRM3	& Soffit - box framing - 3' overhang	LF

WFRM4	& Soffit - box framing - 4' overhang	LF
WOOD1	& Soffit & fascia - wood - 1' overhang	LF
WOOD2	& Soffit & fascia - wood - 2' overhang	LF
WOOD3	& Soffit & fascia - wood - 3' overhang	LF
WOOD4	& Soffit & fascia - wood - 4' overhang	LF

SPE = Specialty Items

AQ	& Aquarium - 72" x 24" x 24" - Built-in	EA
BBALL	& Indoor basketball standard w/wall padding	EA
BOWL	+ Bowling alley - per lane	EA
CLOSC	& Closet carousel - motorized - Small	EA
CLOSC>	& Closet carousel - motorized - Large	EA
CLOSCRS	+ Closet carousel - Detach & reset	EA
DUMBW	& Dumbwaiter - two story - motorized	EA
ELEVR	& Elevator - residential - 2 story (small)	EA
FNTN4	& Landscape fountain - Small (4' diameter)	EA
FNTN8	& Landscape fountain - Large (8' diameter)	EA
HABITAT	& Environmental habitat - enclosure	EA
RADON	+ Radon evacuation system - average home	EA
SAFE	& Safe - concealed wall	EA
SAFE>	& Safe - concealed floor	EA
SAUNA	& Sauna - interior - 4' x 6'	EA
SCRN	& Built-in projection screen - fixed	EA
SCRN+	& Built-in projection screen - motorized with remote	EA
SCRN++	& Built-in projection screen - concealed - motorized/remote	EA
SHOOT	& Indoor shooting range - per position	EA
STRLIFT	& Stair Lift - 2 story - straight	EA
TPROJ	& Built-in theater projector - LCD	EA
TSEAT	& Built-in theater seating - per seat	EA
TSPKR	& Built-in theater speaker system	EA
WWELL	& Window well - Metal - 40" Wide	EA
WWELL>	& Window well - Metal - 64" Wide	EA

STJ = Steel Joist Components

08K1	& Steel joist - 8" K Series - under 60' span	LF
10CS3	& Steel joist - 10" CS Series - under 60' span	LF
10K1	& Steel joist - 10" K Series - under 60' span	LF
12CS3	& Steel joist - 12" CS Series - under 60' span	LF
12K1	& Steel joist - 12" K Series - under 60' span	LF
12K3	& Steel joist - 12" K Series - under 60' span	LF
14CS3	& Steel joist - 14" CS Series - under 60' span	LF
14K1	& Steel joist - 14" K Series - under 60' span	LF
14K3	& Steel joist - 14" K Series - under 60' span	LF
16CS5	& Steel joist - 16" CS Series - under 60' span	LF
16K2	& Steel joist - 16" K Series - under 60' span	LF
16K3	& Steel joist - 16" K Series - under 60' span	LF
18CS5	& Steel joist - 18" CS Series - under 60' span	LF
18K3	& Steel joist - 18" K Series - under 60' span	LF
18K4	& Steel joist - 18" K Series - under 60' span	LF
18K5	& Steel joist - 18" K Series - under 60' span	LF
18LH09	& Steel joist - 18" LH Series - up to 144' span	LF
20CS5	& Steel joist - 20" CS Series - under 60' span	LF
20K7	& Steel joist - 20" K Series - under 60' span	LF
20LH10	& Steel joist - 20" LH Series - up to 144' span	LF
22CS5	& Steel joist - 22" CS Series - under 60' span	LF
22K7	& Steel joist - 22" K Series - under 60' span	LF
24CS5	& Steel joist - 24" CS Series - under 60' span	LF
24K09	& Steel joist - 24" K Series - under 60' span	LF
24K12	& Steel joist - 24" K Series - under 60' span	LF
24LH11	& Steel joist - 24" LH Series - up to 144' span	LF
26CS5	& Steel joist - 26" CS Series - under 60' span	LF
26K10	& Steel joist - 26" K Series - under 60' span	LF

28CS5	& Steel joist - 28" CS Series - under 60' span	LF
28K10	& Steel joist - 28" K Series - under 60' span	LF
28LH13	& Steel joist - 28" LH Series - up to 144' span	LF
30CS5	& Steel joist - 30" CS Series - under 60' span	LF
30K11	& Steel joist - 30" K Series - under 60' span	LF
32LH15	& Steel joist - 32" LH Series - up to 144' span	LF
36LH15	& Steel joist - 36" LH Series - up to 144' span	LF
40LH16	& Steel joist - 40" LH Series - up to 144' span	LF
44LH17	& Steel joist - 44" LH Series - up to 144' span	LF
48LH17	& Steel joist - 48" LH Series - up to 144' span	LF
52DLH17	& Steel joist - 52" DLH Series - up to 144' span	LF
56DLH17	& Steel joist - 56" DLH Series - up to 144' span	LF
60DLH18	& Steel joist - 60" DLH Series - up to 144' span	LF
64DLH18	& Steel joist - 64" DLH Series - up to 144' span	LF
68DLH19	& Steel joist - 68" DLH Series - up to 144' span	LF
72DLH19	& Steel joist - 72" DLH Series - up to 144' span	LF
BRIDG	& Steel joist bridging	EA

STL = Steel Components

C8X8.5	& Channel - 8" d. x 1 7/8" w. x 3/16" thick	LF
C10X22	& Channel - 10" d. x 3 1/2" w. x 5/16" thick	LF
C12X40	& Channel - 12" d. x 3 7/8" w. x 5/8" thick	LF
COL3P	& Column - 3" pipe w/base pl./top bkt.	LF
COL4P	& Column - 4" pipe w/base pl./top bkt.	LF
COL4ST	& Column - 4" sq.tube w/base pl./top bkt.	LF
COL6P	& Column - 6" pipe w/base pl./top bkt.	LF
COL6ST	& Column - 6" sq.tube w/base pl./top bkt.	LF
COL8P	& Column - 8" pipe w/base pl./top bkt.	LF
COL8ST	& Column - 8" sq.tube w/base pl./top bkt.	LF
COLAB	& Column anchor bolt - 5/8" x 12" x 2" w/2 nuts & washers	EA
COLAB>	& Column anchor bolt - 3/4" x 12" x 2" w/2 nuts & washers	EA
COLAB>>	& Column anchor bolt - 1" x 12" x 2" w/2 nuts & washers	EA
COLBP	+ Column base plate - 1" x 12" x 12"	EA
COLTB	& Column top bracket - 3/4" bottom & 1/4" sides	EA
DECK	& Metal decking, 1 1/2" 16 gauge galvanized - 'B'	SF C
DECK+	& Metal decking, 3" 18 gauge - 'B'	SF C
GRF	& Steel girder for a floor system (60G10N24K)	LF
GRR	& Steel girder for a roof system (48G8N12K)	LF
L1.5	& Angle - L 1 1/2" x 1 1/2" x 1/8" thick	LF
L1.5>	& Angle - L 1 1/2" x 1 1/2" x 1/4" thick	LF
L2	& Angle - L 2" x 2" x 3/16" thick	LF
L2>	& Angle - L 2" x 2" x 1/4" thick	LF
L2.5	& Angle - L 2 1/2" x 2 1/2" x 1/4" thick	LF
L3	& Angle - L 3" x 3" x 3/16" thick	LF
L3>	& Angle - L 3" x 3" x 1/4" thick	LF
L3>>	& Angle - L 3" x 3" x 3/8" thick	LF
L3X2	& Angle - L 3" x 2 1/2" x 3/16" thick	LF
L3X2>	& Angle - L 3" x 2 1/2" x 1/4" thick	LF
L3.5	& Angle - L 3 1/2" x 3 1/2" x 1/4" thick	LF
L4	& Angle - L 4" x 4" x 1/4" thick	LF
L5X3	& Angle - L 5" x 3 1/2" x 1/4" thick	LF
L5X3>	& Angle - L 5" x 3 1/2" x 5/16" thick	LF
L5X3>>	& Angle - L 5" x 3 1/2" x 3/8" thick	LF
L6X4	& Angle - L 6" x 4" x 5/16" thick	LF
L6X4>	& Angle - L 6" x 4" x 3/8" thick	LF
MN	+ Structural steel repair - Minimum charge	EA
W6X9	& I-beam - 5 7/8" d. x 4" w. x 3/16" thick	LF
W8X10	& I-beam - 7 7/8" d. x 4" w. x 1/4" thick	LF
W10X9.9	& I-beam - 10" d. x 2 3/4" w. x 3/16" thick	LF
W10X22	& I-beam - 10 1/8" d. x 5 3/4" w. x 1/4" thick	LF
W12X14	& I-beam - 11 7/8" d. x 4" w. x 1/4" thick	LF
W12X16	& I-beam - 12" d. x 4" w. x 1/4" thick	LF

W12X19	& I-beam - 12 1/8" d. x 4" w. x 1/4" thick	LF
W12X22	& I-beam - 12 5/16" d. x 4" w. x 1/4" thick	LF
W12X26	& I-beam - 12 1/4" d. x 6 1/2" w. x 1/4" thick	LF
W12X30	& I-beam - 12 3/8" d. x 6 1/2" w. x 1/4" thick	LF
W14X17	& I-beam - 14" d. x 4" w. x 3/16" thick	LF
W14X22	& I-beam - 13 3/4" d. x 5" w. x 1/4" thick	LF
W14X26	& I-beam - 14" d. x 5" w. x 1/4" thick	LF
W14X30	& I-beam - 13 7/8" d. x 6 3/4" w. x 1/4" thick	LF
W14X34	& I-beam - 14" d. x 6 3/4" w. x 1/4" thick	LF
W16X26	& I-beam - 15 3/4" d. x 5 1/2" w. x 1/4" thick	LF
W16X31	& I-beam - 15 7/8" d. x 5 1/2" w. x 1/4" thick	LF
W18X35	& I-beam - 17 3/4" d. x 6" w. x 5/16" thick	LF
W18X40	& I-beam - 17 7/8" d. x 6" w. x 5/16" thick	LF
W18X50	& I-beam - 18" d. x 7 1/2" w. x 3/8" thick	LF
W18X55	& I-beam - 18 1/8" d. x 7 1/2" w. x 3/8" thick	LF
W18X60	& I-beam - 18 1/4" d. x 7 1/2" w. x 7/16" thick	LF
W18X65	& I-beam - 18 3/8" d. x 7 5/8" w. x 7/16" thick	LF
W21X44	& I-beam - 20 5/8" d. x 6 1/2" w. x 3/8" thick	LF
W21X50	& I-beam - 20 7/8" d. x 6 1/2" w. x 3/8" thick	LF
W21X62	& I-beam - 21" d. x 8 1/4" w. x 3/8" thick	LF
W21X68	& I-beam - 21 1/8" d. x 8 1/4" w. x 7/16" thick	LF
W24X55	& I-beam - 23 1/2" d. x 7" w. x 3/8" thick	LF
W24X68	& I-beam - 23 3/4" d. x 9" w. x 7/16" thick	LF
W24X76	& I-beam - 23 7/8" d. x 9" w. x 7/16" thick	LF
W24X84	& I-beam - 24" d. x 9" w. x 1/2" thick	LF
W24X94	& I-beam - 24 3/8" d. x 9 1/16" w. x 1/2" thick	LF
W27X84	& I-beam - 26 3/4" d. x 10" w. x 1/2" thick	LF
W27X94	& I-beam - 27" d. x 10" w. x 1/2" thick	LF
W30X99	& I-beam - 29 5/8" d. x 10 7/16" w. x 1/2" thick	LF

STR = Stairs

3	& Stairway - 3' wide (8' rise plus joist)	EA
3>	& Stairway - 3' 6" wide (8' rise plus joist)	EA
4	& Stairway - 4' wide (8' rise plus joist)	EA
AV	& Stairway - stringers, treads & risers (per tread)	EA
AVR	& Stairway - redwood stringers and treads (per tread)	EA
AVT	& Stairway - treated stringers and treads (per tread)	EA
DIS	& Stairway - disappearing (folding)	EA
LND	& Stairway - midpoint landing - (enter SF of landing)	SF
MN	+ Stairway repair - Minimum charge	EA
RISER	& Stair riser	EA
RISER+	& Stair riser - stain grade softwood	EA
RISERH	& Stair riser - hardwood	EA
RISERRS	+ Stair riser - Detach & reset	EA
STR	& Stair stringer	LF
STRRS	+ Stair stringer - Detach & reset	LF
TRD	& Stair tread	EA
TRD+	& Stair tread - stain grade softwood	EA
TRDH	& Stair tread - hardwood	EA
TRDR	& Stair tread - redwood	EA
TRDRS	+ Stair tread - Detach & reset	EA

STU = Stucco & Exterior Plaster

AV-	& Metal lath & stucco - Standard grade	SF	W
AV	& Metal lath & stucco	SF	W
COLOR	+ Stucco color coat	SF	
COLORS	+ Stucco color coat - Synthetic	SF	
MAS2	+ Two coat stucco over masonry	SF	W
MN	+ Stucco or exterior plaster repair - Minimum charge	EA	
NGS	& Stucco - natural gray - sand float	SY	
NGT	& Stucco - natural gray - troweled	SY	
PLAS	+ Plaster (parquet) foundation	SF	

RP	+ Stucco repair around doors, windows, etc. - 1st floor	LF	
RP2	+ Stucco repair around doors, windows, etc. - 2nd floor	LF	
SYN	& Synthetic stucco on 1" polystyrene board	SF	W
SYN+	& Synthetic stucco on 2" polystyrene board	SF	W
SYNMAS	+ Synthetic stucco applied to masonry block	SF	W
SYNW	& Synthetic stucco on 1" poly. board - Water managed	SF	W
SYNW+	& Synthetic stucco on 2" poly. board - Water managed	SF	W
TRIM	+ Synthetic stucco - additional charge for raised trim	LF	

TBA = Toilet & Bath Accessories

FND	& Feminine napkin dispenser	EA
FNDD	& Feminine napkin disposal	EA
GBAR<	& Handicap grab bar - Stainless steel, 1 1/2" x 24"	EA
GBAR	& Handicap grab bar - Stainless steel, 1 1/2" x 30"	EA
GBAR>	& Handicap grab bar - Stainless steel, 1 1/2" x 36"	EA
GBAR>>	& Handicap grab bar - Stainless steel, 1 1/2" x 48"	EA
HAND	& Hot air hand dryer	EA
MIR	& Bathroom mirror - with metal frame - surface mounted	SF
MIRS	& Bathroom mirror shelf, 24" long	EA
MN	+ Toilet and bath accessory repair - Minimum charge	EA
PTD	& Paper towel dispenser	EA
PTD+	& Paper towel dispenser with waste receptacle	EA
SPD-	& Soap dish - chrome - surface mounted	EA
SPD	& Soap dispenser - liquid - surface mounted, 20 oz.	EA
SPD>	& Soap dispenser - liquid - surface mounted, 40 oz.	EA
TLTP	& Toilet partition (formica or baked enamel steel)	EA
TLTP+	& Toilet partition - High grade (i.e., porcelain enamel)	EA
TPD	& Toilet paper dispenser - single roll	EA
TPD2	& Toilet paper dispenser - double roll	EA
TSCD	& Toilet seat cover dispenser	EA
URS	& Urinal screen (formica or baked enamel steel)	EA
URS+	& Urinal screen - High grade (i.e., porcelain enamel)	EA
WR	& Waste receptacle - semi-recessed	EA

TIL = Tile

AV-	& Ceramic tile - Standard grade - without mortar bed	SF	
AV	& Ceramic tile	SF	
AV+	& Ceramic tile - High grade	SF	
AV++	& Ceramic tile - Premium grade	SF	
B	& Ceramic tile base	LF	PF
BCEM1/2	& 1/2" Cement board	SF	
BCEM1/4	& 1/4" Cement board	SF	
BMUD	& Mortar bed for ceramic tile (walls)	SF	
CTTL-	& Countertop - tile - Standard grade	SF	
CTTL	& Countertop - tile	SF	
CTTL+	& Countertop - tile - High grade	SF	
CTTL++	& Countertop - tile - Premium grade	SF	
GROUT	+ Regrout tile	SF	
JMB	& Tile jamb - wrap around	LF	
MN	+ Ceramic tile - Minimum charge	EA	
PL	& Plastic tile	SF	
SIL4	& Window sill - tile on 2"x 4" wall	LF	
SIL6	& Window sill - tile on 2"x 6" wall	LF	
SILRE	+ Window sill - tile - regrout	LF	
SWR<	& Tile shower - up to 60 SF	EA	
SWR	& Tile shower - 65 to 100 SF	EA	
SWR>	& Tile shower - 105 to 120 SF	EA	
SWR>>	& Tile shower - 125 to 150 SF	EA	
SWRRE	+ Tile shower - regrout	EA	
TUB	& Tub surround - ceramic tile on mortar bed - up to 60 SF	EA	
TUB>	& Tub surround - ceramic tile on mortar bed - 65 to 75 SF	EA	

TMB = Timber Framing

BM6X8	& Timber beam, 6 x 8	LF
BM6X10	& Timber beam, 6 x 10	LF
BM8X10	& Timber beam, 8 x 10	LF
BM8X12	& Timber beam, 8 x 12	LF
BM8X14	& Timber beam, 8 x 14	LF
BM8X16	& Timber beam, 8 x 16	LF
GD12X12	& Timber girder, 12 x 12	LF
GD10X16	& Timber girder, 10 x 16	LF
J4X10	& Timber joist, 4 x 10	LF
J4X12	& Timber joist, 4 x 12	LF
LOGH	+ Manufactured log home kit - 6" or 7" logs - per SF	SF
LOGH>	+ Manufactured log home kit - 8" or 9" logs - per SF	SF
LOGH>>	+ Manufactured log home kit - 10" or 12" logs - per SF	SF
MN	+ Timber framing repair - Minimum charge	EA
PRL2X6	& Purlin/girt, 2 x 6	LF
PRL2X8	& Purlin/girt, 2 x 8	LF
PRL4X6	& Purlin/girt, 4 x 6	LF
PRL4X8	& Purlin/girt, 4 x 8	LF
PST6	& Timber post, 6x6	LF
PST8	& Timber post, 8x8	LF
PST10	& Timber post, 10x10	LF

TMP = Temporary Repairs

BWSU	+ Barricade and warning device - setup and takedown	HR
CT	+ Caution tape	LF
FB	+ Flasher barricade (per day)	EA
FBMN	+ Barricade/warning sign - Minimum rental charge	EA
FEN	& Temporary fencing	LF
GENERTR	+ 10,000 watt generator (per month)	EA
MN	+ Temporary repair - Minimum charge	EA
POW	+ Temporary power - weekly	EA
POWHU	& Temporary power - hookup	EA
TC	+ Traffic cones (per unit, per day)	EA
TCMN	+ Traffic cones - Minimum rental charge	EA
TLT	+ Temporary toilet (per month)	EA
TLTMN	+ Temporary toilet, Minimum rental charge	EA
WS	+ Warning sign, 4' x 4' on a 6' post (per day)	EA
WTHR	+ Temporary weatherproofing (Bid item)	EA

WDA = Windows - Aluminum

ALRS	+ Aluminum window - Detach & reset	EA
AV<	& Aluminum window, horiz. slider 3-11 sf	EA
AV<+	& Aluminum window, horiz. slider 3-11 sf (2 pane)	EA
AV<++	& Aluminum window, horiz. slider 3-11 sf (2 pane w/thermal)	EA
AV	& Aluminum window, horiz. slider 12-23 sf	EA
AV+	& Aluminum window, horiz. slider 12-23 sf (2 pane)	EA
AV++	& Aluminum window, horiz. slider 12-23 sf (2 pane w/thermal)	EA
AV>	& Aluminum window, horiz. slider 24-32 sf	EA
AV>+	& Aluminum window, horiz. slider 24-32 sf (2 pane)	EA
AV>++	& Aluminum window, horiz. slider 24-32 sf (2 pane w/thermal)	EA
AV>>	& Aluminum window, horiz. slider 33-40 sf	EA
AV>>+	& Aluminum window, horiz. slider 33-40 sf (2 pane)	EA
AV>>++	& Aluminum window, horiz. slider 33-40 sf (2 pane w/thermal)	EA
AVM<	& Aluminum window - mobile home, 3-11 sf	EA
AVM<+	& Aluminum window - mobile home, 3-11 sf, double pane	EA
AVM<++	& Aluminum window - mobile home, 3-11 sf, d.p. insulated	EA
AVM	& Aluminum window - mobile home, 12-23 sf	EA
AVM+	& Aluminum window - mobile home, 12-23 sf, double pane	EA
AVM++	& Aluminum window - mobile home, 12-23 sf, d.p. insulated	EA
AVM>	& Aluminum window - mobile home, 24-32 sf	EA

AVM>+	& Aluminum window - mobile home, 24-32 sf, double pane	EA
AVM>++	& Aluminum window - mobile home, 24-32 sf, d.p. insulated	EA
AVM>>	& Aluminum window - mobile home, 33-40 sf	EA
AVM>>+	& Aluminum window - mobile home, 33-40 sf, double pane	EA
AVM>>++	& Aluminum window - mobile home, 33-40 sf, d.p.insulated	EA
COLOR	+ Add for colored frame (i.e., bronze or white)	SF
GRID	+ Add for grid (double or triple glazed windows)	SF
LOWE	+ Add for "Low E" glass	SF
MN	+ Window repair - Minimum charge	EA
P<	& Aluminum window, picture/fixd 3-11 sf	EA
P<+	& Aluminum window, picture/fixd 3-11 sf (2 pane)	EA
P<++	& Aluminum window, picture/fixd 3-11 sf (2 pane w/thermal)	EA
P	& Aluminum window, picture/fixd 12-23 sf	EA
P+	& Aluminum window, picture/fixd 12-23 sf (2 pane)	EA
P++	& Aluminum window, picture/fixd 12-23 sf (2 pane w/thermal)	EA
P>	& Aluminum window, picture/fixd 24-32 sf	EA
P>+	& Aluminum window, picture/fixd 24-32 sf (2 pane)	EA
P>++	& Aluminum window, picture/fixd 24-32 sf (2 pane w/thermal)	EA
P>>	& Aluminum window, picture/fixd 33-40 sf	EA
P>>+	& Aluminum window, picture/fixd 33-40 sf (2 pane)	EA
P>>++	& Aluminum window, picture/fixd 33-40 sf (2 pane w/thermal)	EA
S<	& Aluminum window, single hung 4-8 sf	EA
S<+	& Aluminum window, single hung 4-8 sf (2 pane)	EA
S<++	& Aluminum window, single hung 4-8 sf (2 pane w/thermal)	EA
S	& Aluminum window, single hung 9-12 sf	EA
S+	& Aluminum window, single hung 9-12 sf (2 pane)	EA
S++	& Aluminum window, single hung 9-12 sf (2 pane w/thermal)	EA
S>	& Aluminum window, single hung 13-19 sf	EA
S>+	& Aluminum window, single hung 13-19 sf (2 pane)	EA
S>++	& Aluminum window, single hung 13-19 sf (2 pane w/thermal)	EA
S>>	& Aluminum window, single hung 20-28 sf	EA
S>>+	& Aluminum window, single hung 20-28 sf (2 pane)	EA
S>>++	& Aluminum window, single hung 20-28 sf (2 pane w/thermal)	EA
SPAL<	& Specialty aluminum window unit - Small	EA
SPAL	& Specialty aluminum window unit	EA
SPAL>	& Specialty aluminum window unit - Large	EA
SPAL>>	& Specialty aluminum window unit - Extra large	EA
SPALRS	+ Specialty aluminum window unit - Detach & reset	EA
STRMM<	& Storm window - mobile home, 3-11 sf	EA
STRMM	& Storm window - mobile home, 12-23 sf	EA
STRMM>	& Storm window - mobile home, 24-32 sf	EA
STRMM>>	& Storm window - mobile home, 33-40 sf	EA
STRMW<	& Storm window - aluminum, 3-11 sf	EA
STRMW	& Storm window - aluminum, 12-24 sf	EA
STRMW>	& Storm window - aluminum, 25-32 sf	EA
STRMW>>	& Storm window - aluminum, 33-40 sf	EA
STRMWRS+	Storm window - Detach & reset	EA
TINT	+ Add for tinted glass	SF

WDP = Windows - Sliding Patio

5CM	& 5-0 6-8 patio door - colored frame - mobile home	EA
5CM+	& 5-0 6-8 patio door - colored frm - d.p.insulated - mobile home	EA
5MM	& 5-0 6-8 patio door - mill finish - mobile home	EA
5MM+	& 5-0 6-8 patio door - mill finish - d.p insulated - mobile home	EA
6B	& 6-0 6-8 bronze sliding patio door	EA
6B2	& 6-0 6-8 bronze sliding patio door insulated (2 panes)	EA
6M	& 6-0 6-8 mill finish sliding patio door	EA
6M2	& 6-0 6-8 mill finish sliding patio door insulated (2 panes)	EA
6WD	& 6-0 6-8 wood sliding patio door - w/interior cladding	EA
6WD+	& 6-0 6-8 wood sliding patio door - w/ext. clad. - Premium	EA
8B	& 8-0 6-8 bronze sliding patio door	EA
8B2	& 8-0 6-8 bronze sliding patio door insulated (2 panes)	EA

8M	& 8-0 6-8 mill finish sliding patio door	EA
8M2	& 8-0 6-8 mill finish sliding patio door insulated (2 panes)	EA
8WD	& 8-0 6-8 wood sliding patio door - w/exterior cladding	EA
8WD+	& 8-0 6-8 wood sliding patio door - w/ext. clad. - Premium	EA
AVRS	+ Sliding patio door - Detach & reset	EA
MN	+ Patio door repair - Minimum charge	EA
SCRN36	& Patio door screen, 36" wide	EA
SCRN48	& Patio door screen, 48" wide	EA
SCRNM	& Replacement patio screen door - mobile home	EA
TINT	+ Add for tinted glass	SF

WDR = Window Reglazing & Repair

1/8	+ Reglaze 1/8" clear glass - 40 sf maximum	SF
1/8T	+ Reglaze 1/8" tempered glass - 40 sf maximum	SF
3/16	+ Reglaze 3/16" clear glass - 40 sf maximum	SF
3/16T	+ Reglaze 3/16" tempered glass - 40 sf maximum	SF
1/4	+ Reglaze 1/4" clear glass - 40 sf maximum	SF
1/4L	+ Reglaze 1/4" laminated glass - 40 sf maximum	SF
1/4T	+ Reglaze 1/4" tempered glass - 40 sf maximum	SF
1/4W	+ Reglaze 1/4" polished wire glass - 40 sf maximum	SF
3/8	+ Reglaze 3/8" clear glass - 40 sf maximum	SF
GLAZ<	+ Reglaze window, 1 - 9 sf	EA
GLAZ	+ Reglaze window, 10 - 16 sf	EA
GLAZ>	+ Reglaze window, 17 - 24 sf	EA
GLAZ>>	+ Reglaze window, 25 - 30 sf	EA
GLAZ2<	+ Reglaze double-pane thermal window unit, 1 - 9 sf	EA
GLAZ2	+ Reglaze double-pane thermal window unit, 10 - 16 sf	EA
GLAZ2>	+ Reglaze double-pane thermal window unit, 17 - 24 sf	EA
GLAZ2>>	+ Reglaze double-pane thermal window unit, 25 - 30 sf	EA
GRID	+ Add for grid (double or triple glazed windows)	SF
LOWE	+ Add for "Low E" glass	SF
MN	+ Window repair - Minimum charge	EA
OBS	+ Add for obscure glass	SF
RDOR	+ Lube/recondition sliding glass door	EA
SCRN<	& Window screen, 1 - 9 sf	EA
SCRN	& Window screen, 10 - 16 sf	EA
SCRN>	& Window screen, 17 - 25 sf	EA
SCRN>>	& Window screen, 26 - 32 sf	EA
SCRNRS	+ Window screen - Detach & reset	EA
SKY<	+ Reglaze skylight - up to 6 SF	EA
SKY	+ Reglaze skylight - 6 to 10 SF	EA
SKY>	+ Reglaze skylight - 10 to 15 SF	EA
TINT	+ Add for tinted glass	SF

WDS = Windows - Skylights

DDF<	& Skylight - double dome fixed, 4 - 6.5 sf	EA
DDF	& Skylight - double dome fixed, 6.6 - 9 sf	EA
DDF>	& Skylight - double dome fixed, 9.1 - 12.5 sf	EA
DDF>>	& Skylight - double dome fixed, 12.6 - 15.5 sf	EA
DDV<	& Skylight - double dome venting, 4 - 6.5 sf	EA
DDV	& Skylight - double dome venting, 6.5 - 9 sf	EA
DDV>	& Skylight - double dome venting, 9.1 - 12.5 sf	EA
DDV>>	& Skylight - double dome venting, 12.6 - 15.5 sf	EA
LOWE	+ Add for "Low E" glass	SF
MN	+ Skylight repair - Minimum charge	EA
REM	& Remote electric opening system	EA
RW<<	& Roof window - double glazed, up to 6 sf	EA
RW<	& Roof window - double glazed, 6.1 - 9 sf	EA
RW	& Roof window - double glazed, 9.1 - 10 sf	EA
RW>	& Roof window - double glazed, 10.1 - 12 sf	EA
RW>>	& Roof window - double glazed, 12.1 - 15 sf	EA
TINT	+ Add for tinted glass	SF

WDT = Window Treatments

BLND<	& Window blind - horizontal or vertical - Small	EA
BLND	& Window blind - horizontal or vertical	EA
BLND>	& Window blind - horizontal or vertical - Large	EA
BLND>>	& Window blind - horizontal or vertical - Extra large	EA
BLNDRS	+ Window blind - horizontal or vertical - Detach & reset	EA
DRPM	& Drapery rod - adaptable controller	EA
DRPM+	& Drapery rod - motorized - single drape system	EA
DRPM++	& Drapery rod - motorized - double drape system	EA
HW<	& Window drapery - hardware - Small	EA
HW	& Window drapery - hardware	EA
HW>	& Window drapery - hardware - Large	EA
HW>>	& Window drapery - hardware - Extra large	EA
HWRS	+ Window drapery - hardware - Detach & reset	EA
MN	+ Window treatment repair - Minimum charge	EA
RU<	& Window shade - roll up - Small	EA
RU	& Window shade - roll up	EA
RU>	& Window shade - roll up - Large	EA
RU>>	& Window shade - roll up - Extra large	EA
RURS	+ Window shade - roll up - Detach & reset	EA
SHTR<	& Interior window shutters (set) - Small	EA
SHTR	& Interior window shutters (set)	EA
SHTR>	& Interior window shutters (set) - Large	EA
SHTR>>	& Interior window shutters (set) - Extra large	EA
SHTRRS	+ Interior window shutters (set) - Detach & reset	EA

WDV = Windows - Vinyl

C<	& Vinyl window - casement, 3-5 sf	EA
C<+	& Vinyl window - casement, 3-5 sf - High grade	EA
C<+>	& Vinyl window - casement, 3-5 sf - Premium grade	EA
C	& Vinyl window - casement, 6-8 sf	EA
C+	& Vinyl window - casement, 6-8 sf - High grade	EA
C++	& Vinyl window - casement, 6-8 sf - Premium grade	EA
C>	& Vinyl window - casement, 9-13 sf	EA
C>+	& Vinyl window - casement, 9-13 sf - High Grade	EA
C>+>	& Vinyl window - casement, 9-13 sf - High Grade	EA
COLOR	+ Vinyl window - Add for premium color frames	SF
D<	& Vinyl window - double hung, 4-8 sf	EA
D<+	& Vinyl window - double hung, 4-8 sf - High Grade	EA
D<+>	& Vinyl window - double hung, 4-8 sf - Premium Grade	EA
D	& Vinyl window - double hung, 9-12 sf	EA
D+	& Vinyl window - double hung, 9-12 sf - High Grade	EA
D>	& Vinyl window - double hung, 9-12 sf - Premium Grade	EA
D>+	& Vinyl window - double hung, 13-19 sf	EA
D>+>	& Vinyl window - double hung, 13-19 sf - High Grade	EA
D>+>>	& Vinyl window - double hung, 13-19 sf - Premium Grade	EA
D>>	& Vinyl window - double hung, 20-28 sf	EA
D>>+	& Vinyl window - double hung, 20-28 sf - High Grade	EA
D>>+>	& Vinyl window - double hung, 20-28 sf - Premium Grade	EA
GRID	+ Add for grid	SF
HR24	& Vinyl window - half round, 24" wide	EA
HR36	& Vinyl window - half round, 36" wide	EA
HR48	& Vinyl window - half round, 48" wide	EA
HR60	& Vinyl window - half round, 60" wide	EA
HR72	& Vinyl window - half round, 72" wide	EA
HRGRID	+ Add for grid in half round window - per window unit	EA
HS<	& Vinyl window, horizontal sliding, 3-11 sf	EA
HS<+	& Vinyl window, horizontal sliding, 3-11 sf - High grade	EA
HS<+>	& Vinyl window, horizontal sliding, 3-11 sf - Premium grade	EA
HS	& Vinyl window, horizontal sliding, 12-23 sf	EA
HS+	& Vinyl window, horizontal sliding, 12-23 sf - High grade	EA

HS++	& Vinyl window, horizontal sliding, 12-23 sf - Premium grade	EA
HS>	& Vinyl window, horizontal sliding, 24-32 sf	EA
HS>+	& Vinyl window, horizontal sliding, 24-32 sf - High grade	EA
HS>+>	& Vinyl window, horizontal sliding, 24-32 sf - Premium grade	EA
HS>>	& Vinyl window, horizontal sliding, 33-40 sf	EA
HS>>+	& Vinyl window, horizontal sliding, 33-40 sf - High grade	EA
HS>>+>	& Vinyl window, horizontal sliding, 33-40 sf - Premium grade	EA
LOWE	+ Add for "Low E" glass	SF
MN	+ Vinyl window repair - Minimum charge	EA
OV	& Vinyl window - Oval, 36" x 60"	EA
OV<	& Vinyl window - Oval, 24" x 36"	EA
OV>	& Vinyl window - Oval, 48" x 72"	EA
P<	& Vinyl window, picture/fixd, 3-11 sf	EA
P<+	& Vinyl window, picture/fixd, 3-11 sf - High grade	EA
P<+>	& Vinyl window, picture/fixd, 3-11 sf - Premium grade	EA
P	& Vinyl window, picture/fixd, 12-23 sf	EA
P+	& Vinyl window, picture/fixd, 12-23 sf - High grade	EA
P+>	& Vinyl window, picture/fixd, 12-23 sf - Premium grade	EA
P>	& Vinyl window, picture/fixd, 24-32 sf	EA
P>+	& Vinyl window, picture/fixd, 24-32 sf - High grade	EA
P>+>	& Vinyl window, picture/fixd, 24-32 sf - Premium grade	EA
P>>	& Vinyl window, picture/fixd, 33-40 sf	EA
P>>+	& Vinyl window, picture/fixd, 33-40 sf - High grade	EA
P>>+>	& Vinyl window, picture/fixd, 33-40 sf - Premium grade	EA
R24	& Vinyl window - Round/Octagon, 24"	EA
R36	& Vinyl window - Round/Octagon, 36"	EA
R48	& Vinyl window - Round/Octagon, 48"	EA
S<	& Vinyl window, single hung, 4-8 sf	EA
S<+	& Vinyl window, single hung, 4-8 sf - High grade	EA
S<+>	& Vinyl window, single hung, 4-8 sf - Premium grade	EA
S	& Vinyl window, single hung, 9-12 sf	EA
S+	& Vinyl window, single hung, 9-12 sf - High grade	EA
S+>	& Vinyl window, single hung, 9-12 sf - Premium grade	EA
S>	& Vinyl window, single hung, 13-19 sf	EA
S>+	& Vinyl window, single hung, 13-19 sf - High grade	EA
S>+>	& Vinyl window, single hung, 13-19 sf - Premium grade	EA
S>>	& Vinyl window, single hung, 20-28 sf	EA
S>>+	& Vinyl window, single hung, 20-28 sf - High grade	EA
S>>+>	& Vinyl window, single hung, 20-28 sf - Premium grade	EA
TINT	+ Add for tinted glass	SF
VNRS	+ Vinyl window - Detach & reset	EA

WDW = Windows - Wood

C<	& Wood window - casement, 3-11 sf	EA
C<+	& Wood window - casement, 3-11 sf, High grade	EA
C<+>	& Wood window - casement, 3-11 sf, Premium grade	EA
C	& Wood window - casement, 12-23 sf	EA
C+	& Wood window - casement, 12-23 sf, High grade	EA
C+>	& Wood window - casement, 12-23 sf, Premium grade	EA
C>	& Wood window - casement, 24-32 sf	EA
C>+	& Wood window - casement, 24-32 sf, High grade	EA
C>+>	& Wood window - casement, 24-32 sf, Premium grade	EA
C>>	& Wood window - casement, 33-40 sf	EA
C>>+	& Wood window - casement, 33-40 sf, High grade	EA
C>>+>	& Wood window - casement, 33-40 sf, Premium grade	EA
D<	& Wood window - double hung, 4-9 sf, Standard grade	EA
D<+	& Wood window - double hung, 4-9 sf, High grade	EA
D<+>	& Wood window - double hung, 4-9 sf, Premium grade	EA
D-	& Wood window - double hung, 10-15 sf, Standard grade	EA
D	& Wood window - double hung, 10-15 sf	EA
D+	& Wood window - double hung, 10-15 sf, High grade	EA

D++	& Wood window - double hung, 10-15 sf, Premium grade	EA
D>	& Wood window - double hung, 16-21 sf, Standard grade	EA
D>+	& Wood window - double hung, 16-21 sf, High grade	EA
D>+>	& Wood window - double hung, 16-21 sf, Premium grade	EA
D>>	& Wood window - double hung, 22-26 sf, Standard grade	EA
D>>+	& Wood window - double hung, 22-26 sf, High grade	EA
D>>+>	& Wood window - double hung, 22-26 sf, Premium grade	EA
HS<	& Wood window - horizontal sliding, 3-11 sf, Std. grade	EA
HS<+	& Wood window - horizontal sliding, 3-11 sf, High grade	EA
HS-	& Wood window - horizontal sliding, 12-24 sf, Std. grade	EA
HS	& Wood window - horizontal sliding, 12-24 sf	EA
HS+	& Wood window - horizontal sliding, 12-24 sf, High grade	EA
HS>	& Wood window - horizontal sliding, 25-32 sf, Std. grade	EA
HS>+	& Wood window - horizontal sliding, 25-32 sf, High grade	EA
HS>+>	& Wood window - horizontal sliding, 25-32 sf, Premium grade	EA
HS>>	& Wood window - horizontal sliding, 33-40 sf, Std. grade	EA
HS>>+	& Wood window - horizontal sliding, 33-40 sf, High grade	EA
HS>>+>	& Wood window - horizontal sliding, 33-40 sf, Premium grade	EA
MN	+ Window repair - Minimum charge	EA
P<	& Wood window - picture (fixed), 12-22 sf, Standard grade	EA
P<+	& Wood window - picture (fixed), 12-22 sf, High grade	EA
P-	& Wood window - picture (fixed), 23-33 sf, Standard grade	EA
P	& Wood window - picture (fixed), 23-33 sf	EA
P+	& Wood window - picture (fixed), 23-33 sf, High grade	EA
P>	& Wood window - picture (fixed), 34-44 sf, Standard grade	EA
P>+	& Wood window - picture (fixed), 34-44 sf, High grade	EA
P>+>	& Wood window - picture (fixed), 34-44 sf, Premium grade	EA
P>>	& Wood window - picture (fixed), 45-55 sf, Standard grade	EA
P>>+	& Wood window - picture (fixed), 45-55 sf, High grade	EA
S<	& Wood window - single hung, 4-9 sf, Standard grade	EA
S<+	& Wood window - single hung, 4-9 sf, High grade	EA
S<+>	& Wood window - single hung, 4-9 sf, Premium grade	EA
S-	& Wood window - single hung, 10-15 sf, Standard grade	EA
S	& Wood window - single hung, 10-15 sf	EA
S+	& Wood window - single hung, 10-15 sf, High grade	EA
S+>	& Wood window - single hung, 10-15 sf, Premium grade	EA
S>	& Wood window - single hung, 16-21 sf, Standard grade	EA
S>+	& Wood window - single hung, 16-21 sf, High grade	EA
S>+>	& Wood window - single hung, 16-21 sf, Premium grade	EA
S>>	& Wood window - single hung, 22-26 sf, Standard grade	EA
S>>+	& Wood window - single hung, 22-26 sf, High grade	EA
S>>+>	& Wood window - single hung, 22-26 sf, Premium grade	EA
SP<	& Specialty wood window unit, 3-11 sf	EA
SP	& Specialty wood window unit, 12-23 sf	EA
SP>	& Specialty wood window unit, 24-32 sf	EA
SP>>	& Specialty wood window unit, 33-40 sf	EA
STRMW<	& Storm window - wood, 3-11 sf	EA
STRMW	& Storm window - wood, 12-24 sf	EA
STRMW>	& Storm window - wood, 25-32 sf	EA
STRMW>>	& Storm window - wood, 33-40 sf	EA
STRMWRS+	Storm window - Detach & reset	EA
WDRS	+ Wood window unit - Detach & reset	EA

WPR = Wallpaper

AV-	& Wallpaper - Standard grade	SF	W
AV	& Wallpaper	SF	W
AV+	& Wallpaper - High grade	SF	W
AV++	& Wallpaper - Premium grade	SF	W
AVRL	& Wallpaper (per roll)	RL	
BORDR-	& Wallpaper border - Standard grade	LF	PC
BORDR	& Wallpaper border	LF	PC
BORDR+	& Wallpaper border - High grade	LF	PC
BORDR++	& Wallpaper border - Premium grade	LF	PC
FABRIC	& Wallcovering - fabric	SF	W
FOIL	& Wallpaper - foil	SF	W
FOIL+	& Wallpaper - foil - High grade	SF	W
FOIL++	& Wallpaper - foil - Premium grade	SF	W
GRASS	& Wallpaper - grass cloth	SF	W
GRASS+	& Wallpaper - grass cloth - High grade	SF	W
GRASS++	& Wallpaper - grass cloth - Premium grade	SF	W
MN	+ Wallpaper - Minimum charge	EA	
PREP	+ Prep wall for wallpaper	SF	W
RMV	- Additional charge to remove non-strippable wallpaper	SF	W
V	& Vinyl wallcovering	SF	W
V+	& Vinyl wallcovering - High grade	SF	W
V++	& Vinyl wallcovering - Premium grade	SF	W

WRH = Wrecking & Hauling

WHR	+ Wrecking and hauling (per man hour)	HR	
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WTR = Water Extraction Services

BARR	& Contamination Barrier	SF	
BLK<	+ Block and pad furniture in room - Small amount	EA	
BLK	+ Block and pad furniture in room	EA	
BLK>	+ Block and pad furniture in room - Large amount	EA	
DHM	+ Dehumidifier unit (per day) - No monitoring	EA	
DHM>	+ Dehumidifier unit (per day) - Large - No monitoring	EA	
DHM>>	+ Dehumidifier unit (per day) - XLarge - No monitoring	EA	
DHMD	+ Dehumidifier unit (per day) - Desiccant - No monitoring	EA	
DRY	+ Drying fan (per day) - No monitoring	EA	
EQ	+ Equipment setup, take down, and monitoring (hourly charge)	HR	
EQD	+ Equipment decontamination charge (one time per job)	EA	
ESRV	+ Emergency service call - after business hours	EA	
ESRVD	+ Emergency service call - during business hours	EA	
EXT	+ Water extraction from floor	SF	F
EXT+	+ Water extraction from floor - Heavy	SF	F
EXTG	+ Water extraction from floor - Gray water	SF	F
EXTS	+ Water extraction from floor - Black water	SF	F
EXTWP	+ Pumping of standing water	GL	
EXTWPC	+ 2" Submersible pump with hose	DA	
GRM	+ Apply germicide, mildewcide, or combination solution	SF	F
HDRY	+ Hang dry carpet in plant	SF	
HDRY+	+ Hang dry custom oriental rug in plant	SF	
HEPAF	+ Add for HEPA filter (for negative air exhaust fan)	EA	
HEPAFAC	+ HEPA Vacuuming	DA	
LIFT	+ Lift carpet for drying	SF	F
MN	+ Service - minimum charge	EA	
NAFAN	+ Negative air exhaust fan (per day)	DA	
PAD	+ Pad - remove wet carpet	SF	F
PPE	+ Add for personal protective equipment (sewage cleanup)	EA	
PPER	+ Respirator - Rubber mask w/dual cartridge - Disposable	EA	
TEST	+ Sewage contamination & clearance testing (per swab)	EA	
TRAN	+ Transport carpet for drying	SF	F

WALL	+ Wall cavity drying system - Injector type (per day)	DA	
WALLD	+ Wall cavity drying system - Ducted type (per day)	DA	

XST = Exterior Structures

CANCOL	& 8' x 8" steel canopy column	LF	
CANCOV	& Canopy cover	SF	
CANFTG	+ 5' x 5' x 5' canopy footing	EA	
CANMN	+ Steel canopy repair - Minimum charge	EA	
CANPNL	& 36" wide steel canopy panel	LF	
SHEDMB	& Storage shed - Metal - Barn type (gambrel) - 10' x 14'	EA	
SHEDMB<	& Storage shed - Metal - Barn type (gambrel) - 10' x 8'	EA	
SHEDMG	& Storage shed - Metal - Gable type - 10' x 8'	EA	
SHEDMG<	& Storage shed - Metal - Gable type - 8' x 6'	EA	
SHEDMV	& Storage shed - Vinyl - Gable type - 10' x 8'	EA	
SHEDMV<	& Storage shed - Vinyl - Gable type - 8' x 6'	EA	
SHEDRS	+ Storage shed - Vinyl - Detach & reset	EA	

Appendix A Standard Variables

C = Square feet of ceiling **F** = Square feet of floor
HH= Height of the room **LW** = Square feet in one long wall
LL = Lineal feet in one long wall **PC** = Lineal feet in perimeter of ceiling
PF = Lineal feet in perimeter of floor **SY** = Square yards of floor + waste
SW= Square feet in one short wall **W** = Square feet of walls
WC= Square feet of walls and ceiling **WW**= Lineal feet in one short wall

The standard variables listed above always include the entire room, no matter what the shape. To designate a sub-variable, a variable which applies only to a specific subroom, follow the variable with the subroom number. For example, if the closet is subroom number one, the variable for all walls and ceilings in the closet is WC1. Equations like 1/2WC, meaning one half the walls and ceilings, are also allowed.

Variables Description

The description of a price-list item can be changed automatically to describe the surface area included in the item. This is done by inserting the symbol **{V}** into the description of a price-list item. The symbol will later be replaced by a phrase such as "the walls and ceiling," "the ceiling," "the floor," etc., depending on the variable used in the calculation field. For example, if the

item is **PNT SP** and the variable is **WC**, the description will read "Seal then paint the walls and ceiling (2 coats)." If the variable **C** is used on the same item, the description will read "Seal then paint the ceiling (2 coats)."

Example:

PNT	SP	+ Seal then paint {V} (2 coats)	SF	WC
		580 SF @ .35		203.00

becomes...

PNT	SP	+ Seal then paint the walls and ceiling (2 coats)	SF	WC
		580 SF @ .35		203.00

Fractions of Variables

You may also calculate fractions of multiples of the variables by adding the fraction (or decimal) or multiple value before the variable. For example, you may use 1/2WC or .5WC to restrict the quantity to one half the walls and ceiling, and the variable 2WC designates twice the area of the walls and ceilings.

Appendix B Room Dimensioning Formulas

The most common room shape, BOX, is the default at the Room Dimensioning screen. By entering height, length, and width measurements as prompted, Xactimate easily computes the dimensions of rectangular rooms.

It is simple to produce precise dimensions for other room shapes with the Room Dimensioning formulas included in Xactimate. These include interior-use formulas for circular, triangular, trapezoidal and intersecting-cube rooms; and for rooms with peaked, sloped and clerestory ceilings and bay windows. Other exterior-use formulas can be used for calculating elevation and gable-roof-and-box measurements. You can create other formulas as needed. (See more on creating formulas in the Xactimate User's Guide.)

Where To Use Dimensioning Formulas

Dimensioning formula names are entered in the second field, the SHAPE field, of the Room Dimensioning screen. You can replace the BOX default entry by typing in the code for the room shape, or pressing <F5> to list all available formulas, highlighting the desired entry, and pressing <Enter>.

How to Enter Dimensioning Information

Once a room shape other than BOX has been placed in the SHAPE field, a new window appears at the bottom of the screen. This window presents a series of questions that prompt you to enter the measurements required to calculate the dimensions of the room. For example, dimensioning a circular room will generate questions that ask you for the room diameter and ceiling height.

Xactimate allows you to enter measurements for room dimensioning information in three ways; using a comma to separate feet and inches, tick marks (' and ") to identify feet and inches, and feet and inches in decimal format. For example, **3,6** and **3' 6"** and **3.5** are valid representations of three feet six inches.

How to Use Variables in Formulas

Answers to the questions in the Room Dimensioning screen activate the standard variables for this room. Xactimate recognizes these standard variables when they are entered in the Line Item Entry screen, and it uses them to calculate the quantity of an item. (See more on Calculation Formulas in Appendix C.)

BAY Bay Window

QA Enter the length of the longest wall (usually missing).

Enter the length of the longest wall (usually missing) between the bay and the adjoining room. If the wall is missing, be sure to indicate it at the Dimensioning screen.

QB Enter the length of the opposite wall.

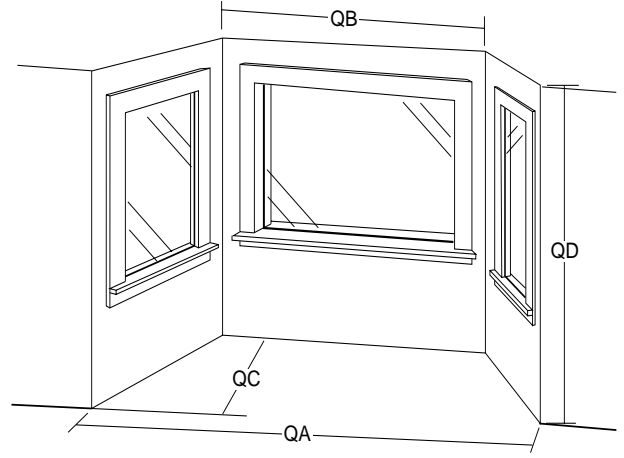
Enter the length of the wall parallel to the wall in QA (the face of the bay).

QC Enter the distance between the two walls above.

Enter the distance between the walls entered in QA and QB. DO NOT ENTER THE LENGTH OF A SIDE WALL.

QD Enter the height of the walls.

Enter the distance from the floor to the ceiling in the bay window.



BOX Rectangular Room

QA Enter the length of the room.

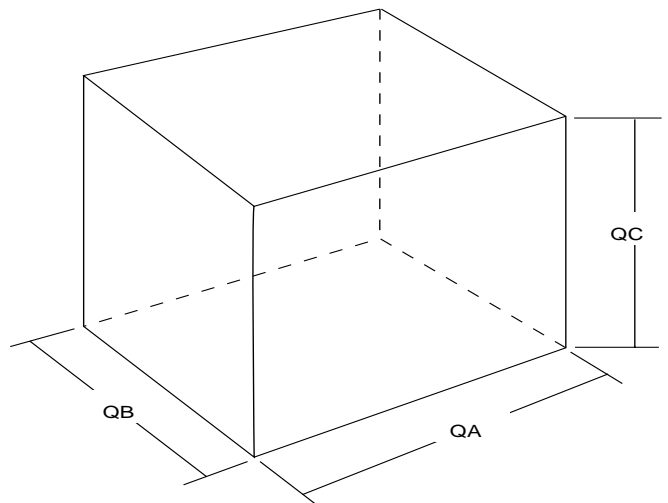
Enter the length of the room's longest wall.

QB Enter the width of the room.

Enter the length of the wall that runs perpendicular to the longest wall in the room.

QC Enter the height of the room.

Enter the distance from the floor to the ceiling.



BOXI Intersecting Cubes

QA Enter the length of the longest wall in the room.

Enter the length of the room's longest wall.

QB Enter the length of the wall opposite the long wall.

Enter the length of the wall that runs parallel to the longest wall in the room.

QC Enter the length of the width wall.

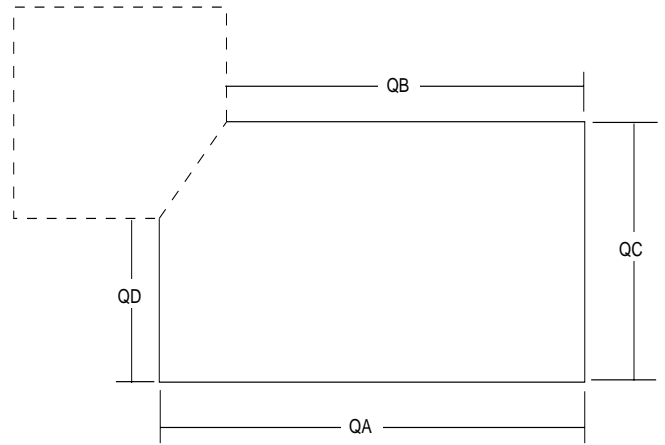
Enter the length of the longest of the two walls yet to be dimensioned.

QD Enter the length of the wall opposite the width wall.

Enter the length of the last wall to be dimensioned.

QE Enter the height of the walls.

Enter the distance from the floor to the ceiling.



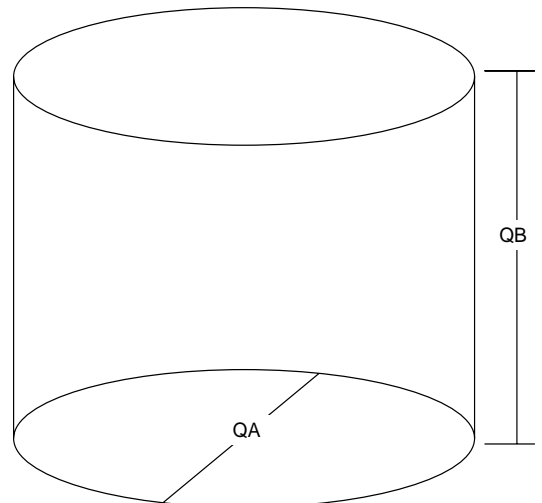
CIR Circular Room

QA Enter the diameter of the room.

Enter the distance from one side of the room to the other.

QB Enter the ceiling height.

Enter the distance from the floor to the ceiling.



CS Clerestory Room

QA Enter the length of the walls with constant height.

Enter the length of the walls with constant height.

QB Enter the length of the walls with irregular height.

Enter the length of the walls which rise and fall with the shape of the ceiling.

QC Enter the height of the wall bearing the high roof.

Enter the height of the tall wall bearing the high roof.

QD Enter the height of the wall bearing the low roof.

Enter the height of the short wall bearing the low roof.

QE Enter the height of the high roof section.

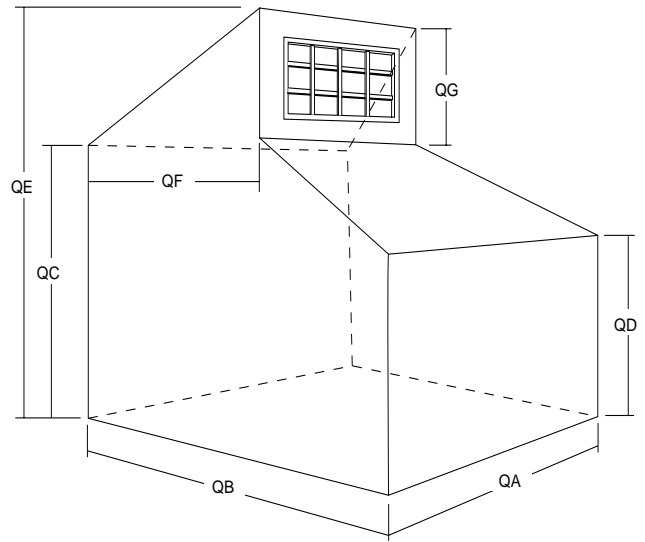
Enter the distance from the floor to the highest point of the ceiling.

QF Enter the distance from the peak to the high outside wall.

Enter the horizontal distance from the wall supporting the high roof to a point directly below the peak.

QG Enter the height of the high/low roof transition wall.

This wall connects the high and low roofs. Enter the vertical distance from the bottom to the top of this wall.



DRMR Gable Dormer - Exterior Dimensions

QA Enter the width of the dormer face.

Enter the horizontal measurement across the front (face) of the dormer.

QB Enter the height of the dormer.

Enter the vertical measurement of the front (face) of the dormer. This is the distance from the roof deck to the lowest point of the dormer's roof.

QC Enter the length of the side fascia.

Enter the horizontal measurement of the fascia on one side of the dormer.

QD Enter the width of the roof overhang.

Enter the width of the overhang or eaves of the dormer. This measurement is usually consistent on every side.

QE Enter the rafter length.

Enter the ridge-to-fascia length of the dormer.

QF Enter the length of the ridge.

Enter the length of the dormer's ridge.

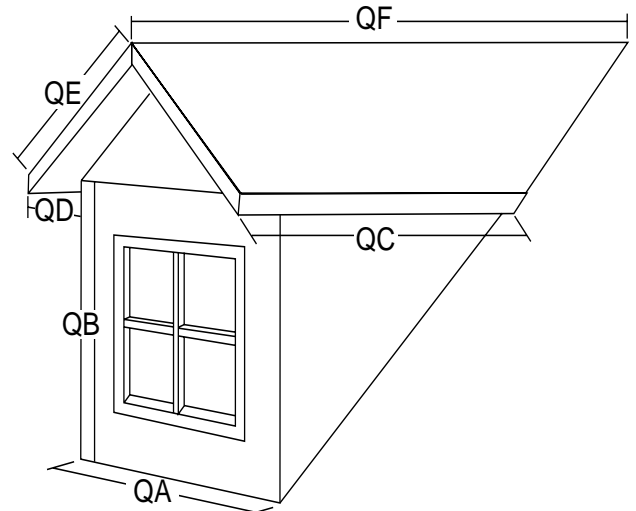
QG Enter the number of dormers.

Enter the number of dormers with these dimensions.

C = sq. feet of roof area

PC = lineal feet of fascia

PF = lineal feet of flashing



EL Exterior Elevation

QA Enter the length.

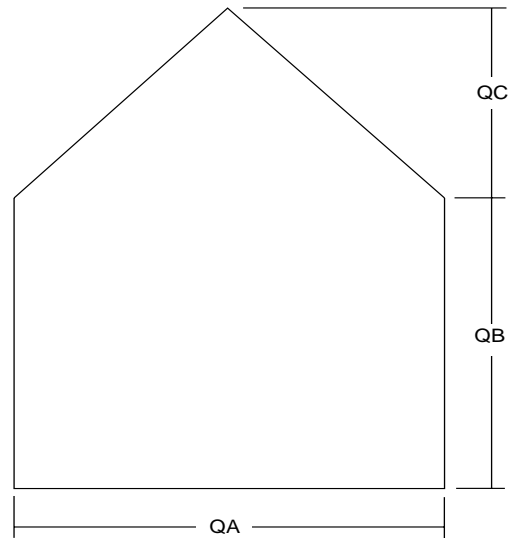
Enter the length of this elevation.

QB Enter the height.

Enter the measurement from the top of the foundation to the top of the wall before the gable starts.

QC Enter the height of the gable end.

Enter the measurement from the top of the wall to the gable's peak.
Enter 0 if there is no gable.



GBL Gable Roof and Box

QA Enter the length of the side walls.

Enter the length of the side walls. These walls parallel the ridge.

QB Enter the combined overhangs on the gable ends.

Enter the combined overhangs at both gable ends. For example, for a roof with a 2 foot overhang at each end, enter 4.

QC Enter the height of the side walls.

Enter the distance from the top of the foundation (or from the ground if working with the foundation area as well as the wall) to the highest point of the wall. Enter 8 for an eight-foot wall.

QD Enter the length of the gable walls.

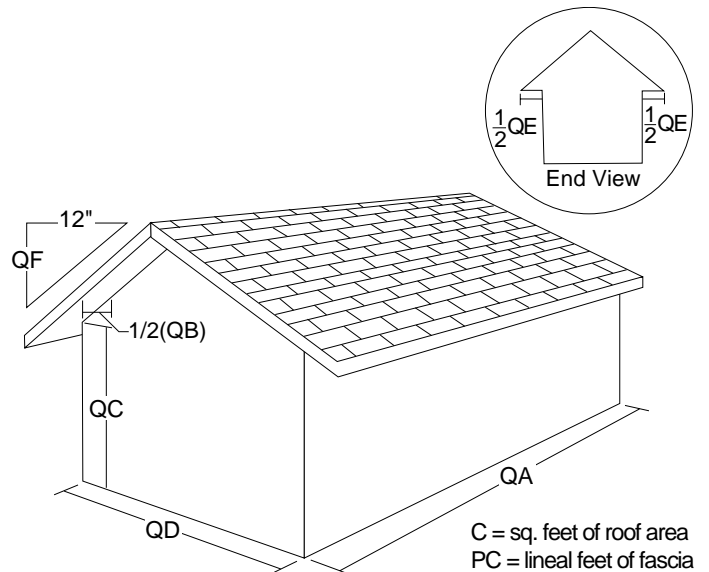
Enter the length of the walls running perpendicular to the ridge at the gable end of the structure.

QE Enter the combined overhangs on the side walls.

Enter the combined roof overhangs above the side walls. For example, for a 2 foot soffit on each side, enter 4.

QF Enter the slope of the roof.

For example, if the roof rises 4 feet for every 12 feet of horizontal measurement, enter 4.



C = sq. feet of roof area
PC = lineal feet of fascia
PF = lineal feet of flashing

GBLT Gable Roof and Box Tie-in

QA Enter the length of the side walls.

Enter the length of the side walls measure parallel the ridge. This formula is designed to be used with the GBL formula. To make the variables correct, make the shared wall a missing wall.

QB Enter the overhang on the gable end.

Enter the amount of roof overhang on the gable end.

QC Enter the height of the side walls.

Enter the distance from the top of the foundation (or from the ground if working with the foundation area as well as the wall) to the highest point of the wall.

QD Enter the length of the gable wall.

Enter the length of the wall running perpendicular to the ridge at the gable end of the structure. When using this formula, be sure to enter the gable end wall's length as a missing wall at the Dimensioning screen.

QE Enter the combined overhangs on the side walls.

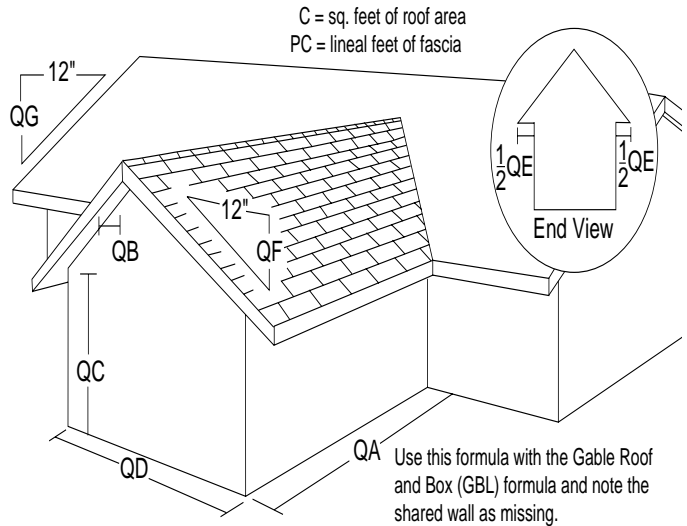
Enter the combined roof overhangs above the side walls. For example, for a 2 foot overhang on each side, enter 4.

QF Enter the slope of the tie-in roof.

This is the slope of the roof on the tie-in portion. For example, if the roof rises 4 feet for every 12 feet of horizontal measurement, enter 4.

QG Enter the slope of the roof being tied into.

This is the slope of the roof being tied into by the roof being measured. For example, if the roof rises 4 feet for every 12 feet of horizontal measurement, enter 4.



PK Peaked Room

QA Enter the length of the side walls.

Enter the length of the walls whose height remains constant.

QB Enter the length of the peaked walls.

Enter the length of the walls which rise and fall with the shape of the ceiling.

QC Enter the height for the short wall.

Enter the height of the wall under the lowest part of the ceiling.

QD Enter the height for the tall wall.

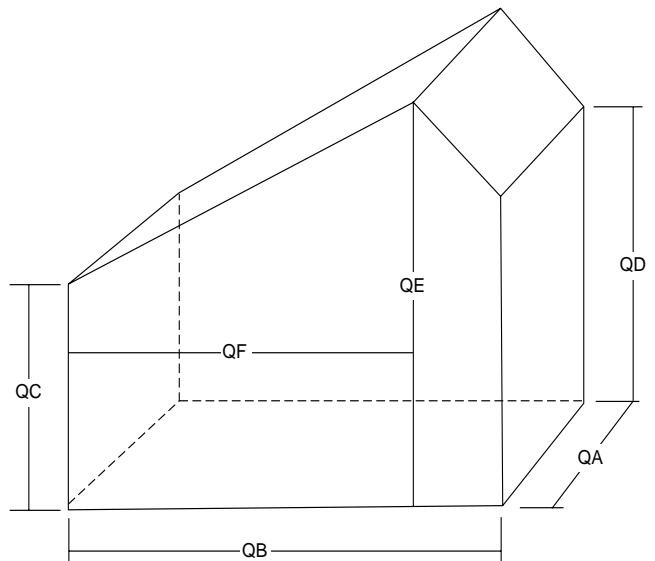
Enter the height of the wall under the highest part of the ceiling.

QE Enter the height of the peak.

Enter the measurement from the floor to the peak.

QF Enter the distance from the short wall to the peak.

Enter the horizontal measurement from the short wall to a point directly under the peak.



SL Sloped Ceiling Room

QA Enter the length of the non-sloping walls.

Enter the length of the walls whose height remains constant.

QB Enter the length of the sloping walls.

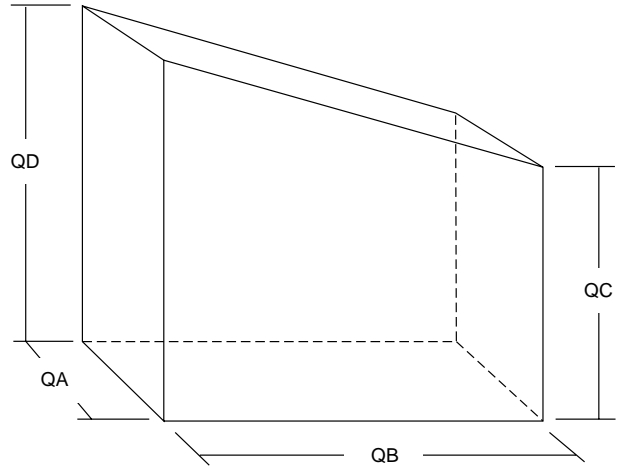
Enter the length of the walls which rise and fall with the ceiling shape.

QC Enter the height of the short wall.

Enter the height of the wall under the low edge of the sloped ceiling.

QD Enter the height of the tall wall.

Enter the height of the wall under the high edge of the sloped ceiling.



TRI Triangular Room

QA Enter the length of the first or longest wall.

Enter the length of the longest wall. If all the walls are the same length, enter their lengths in any order.

QB Enter the length of the second or next-to-longest wall.

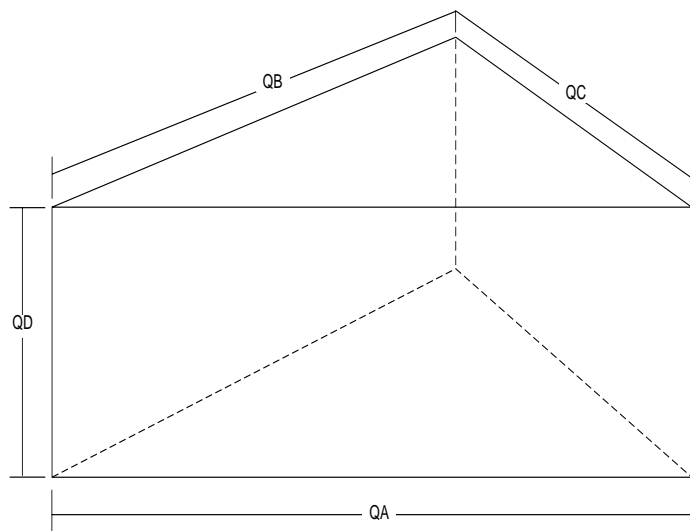
Enter the length of the next longest wall.

QC Enter the length of the third or shortest wall.

Enter the length of the remaining wall. This wall can be equal to but not longer than the other two walls.

QD Enter the ceiling height.

Enter the distance from the floor to the ceiling. The ceiling must be flat, not angled or sloped.



TRP Trapezoidal Room

QA Enter the length of the longest wall.

Enter the length of the longest wall in the room.

QB Enter the length of the opposite wall.

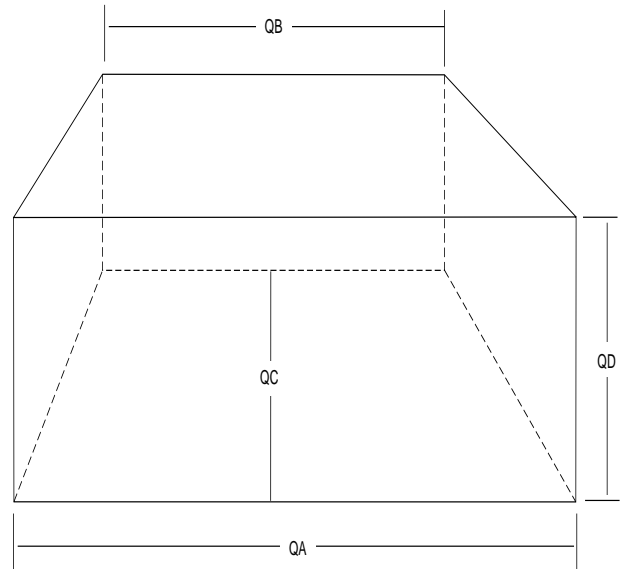
Enter the length of the wall directly across from the longest wall.

QC Enter the distance between the two walls above.

Enter the distance between the long wall and the opposite wall. DO NOT ENTER THE LENGTH OF A SIDE WALL.

QD Enter the ceiling height.

Enter the distance from the floor to the ceiling.



Appendix C Calculation Formulas

Generally, the quantity of an item is calculated automatically when you enter a standard variable for the room. Some items, such as concrete, lumber, and roofing materials, require more data than standard variables provide. For such items, Xactimate provides a variety of special calculation formulas to determine the quantity of the item within the room.

To use some calculation formulas, you must first determine special measurements, such as the depth of a footing for a concrete column, or the width of a joist. The formula asks you for this information and delivers the total yards of concrete, or squares of roofing material.

Other special formulas add waste, or convert existing dimensions into a proper format for ordering. For example, you may know the quantity of boards needed for an area, and need to convert that number into board feet; or you may need to convert square feet of wall space into number of rolls of wallpaper. The CONVERT formula does the mathematics for you.

Formula Operators

Xactimate formulas use these standard mathematical operations:

Symbol	Character	Usage	Operation
+	plus	A+B	Addition
-	minus	A-B	Subtraction
/	forward slash	A/B	Division
*	star	A*B	Multiplication
^	caret	A^B	Raise A to the power of B
()	parentheses	(A+B)	Open/close parentheses may enclose values, variables, or equations.
ABS		ABS(A)	Absolute value of A
INT		INT(A)	Greatest integer of A (must be a positive number)
PI		PI(A)	3.14159265359 * value of A
RND		RND(A)	Round value in A to the nearest whole number
RUP		RUP(A)	Round value in A up to the next whole number
SQR		SQR(A)	Square root of the value in A

Each formula asks you a series of questions. These questions are in bold print and labeled with a letter: the first is Question A, the second is Question B, and so on. This letter designation is abbreviated QA, QB, etc. to the left of each question.

Note that the labels in the illustrations (QA, QB, etc.) correspond to the questions in the formula. These help identify the measurement requested in each question.

How to Enter Measurements

Unlike Room Dimensioning formulas, calculation formulas require that you enter measurements in a specific format. When necessary, the explanatory text following the question indicates the format you should use in your answer.

If the question requires the measurement to be entered in inches, type in the number of inches only. Do not use special symbols like quotation (") marks in your answer. For example, you would enter four inches (4") by typing in a 4 and then pressing <Enter>.

If the question requires you to enter the measurement in feet (comma) inches, type in the number of feet, then a comma, and then the number of inches. Do not use special symbols like quotation (") marks or apostrophes (') in your answer. For example, you would enter six feet four inches (6'4") by typing in 6,4 and then pressing <Enter>.

Lumber Measurements

Lineal feet is a standard measuring unit for many types of lumber. It refers to the total length of all the boards needed in an item if laid end-to-end. Board feet is a standard measuring unit for lumber that represents a piece of wood measuring one foot square with a one inch depth.

BF: Convert to Board Feet

QA Enter the thickness of the material.

Enter in inches the smaller of the two dimensions at the end of the board. For example, enter 2 for a 2" x 4".

QB Enter the width of the material.

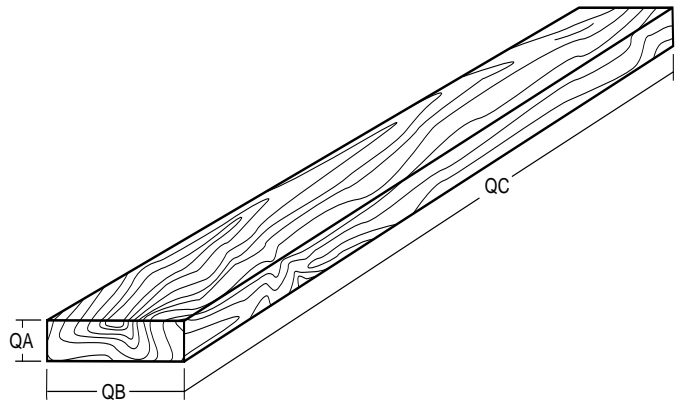
Enter in inches the larger of the two dimensions at the end of the board. For example, enter 4 for a 2" x 4".

QC Enter the length of the material.

Enter the length of the piece of wood in feet (comma) inches.

QD Enter the number of pieces.

Enter the number of pieces of wood.



CB: CY of Concrete in a Beam

QA Enter the length of the beam.

Enter in feet (comma) inches the length of the concrete beam.

QB Enter the thickness of the beam.

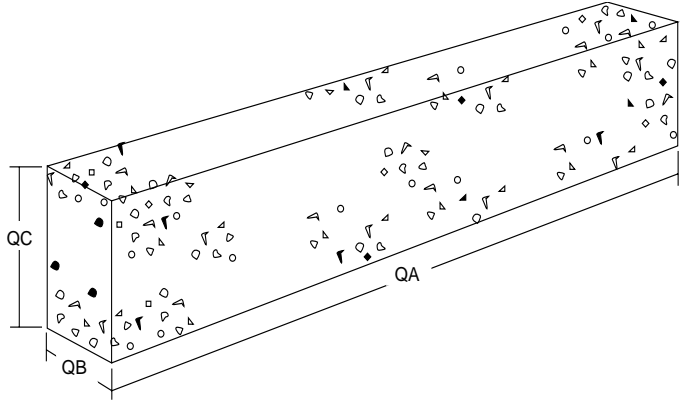
Enter in inches the thickness of the concrete beam.

QC Enter the height of the beam.

Enter in inches the height of the concrete beam.

QD Enter the number of beams.

Enter the number of concrete beams.



CNVT: Convert to New Units of Measure

QA Enter the surface area to be converted.

Enter the square feet of the material you wish converted to another unit of measure. You can use the Standard Variables F, C, W, WC, LW, and SW, or a formula in your answer.

QB Enter the total coverage per each new unit.

Using the same unit of measure used in the previous field, enter the area covered by the new material. For example, to convert square feet to European rolls of wallpaper, enter 25; to 4' x 8' sheathing, enter 32; to square yards, enter 9, etc.

QC Enter the waste percentage.

Enter the percentage of waste usually associated with the item you are converting. Do not use a decimal point or the % symbol. If there is no waste, enter 0. Xactimate rounds up to a full unit.

COL: CY of concrete in a Column with Footing

QA Enter the length of the footing.

Enter in inches the longest dimension of the footing.

QB Enter the width of the footing.

Enter in inches the width of the footing. This is the dimension perpendicular to the dimension entered in QA.

QC Enter the footing thickness.

Enter in inches the distance from the top to the bottom of the footing.

QD Enter the diameter of the column.

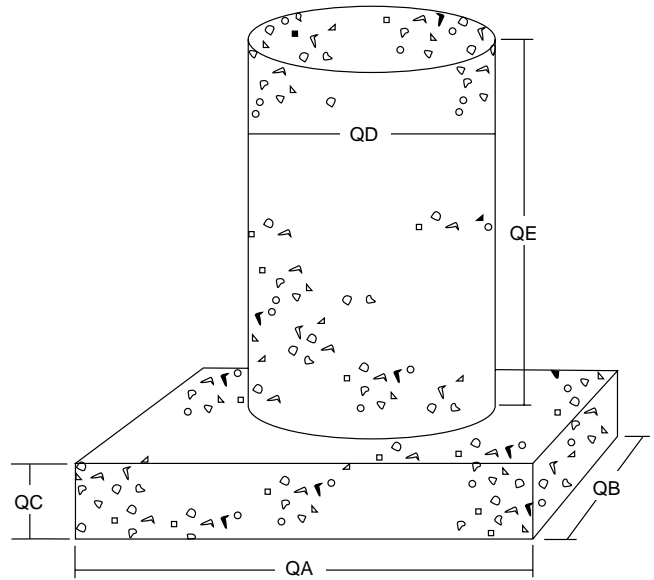
Enter in inches the distance from one side of the column directly through the middle of the column to the other side.

QE Enter the height of the column.

Enter in feet (comma) inches the distance from the top of the footing to the top of the column.

QF Enter the number of column-footing assemblies.

Enter the number of column-footing assemblies.



DK: BF in a Deck

QA Enter the square feet of deck surface.

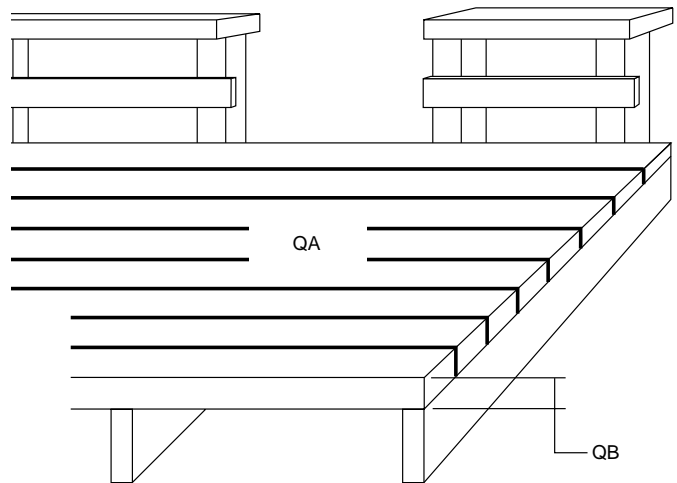
Enter either the length times the width, i.e., 24*12; or, if this area has been entered at the Room Dimensioning screen, enter the Standard Variable F (SF of floor.)

QB Enter the thickness of the decking material.

Enter in inches the smaller of the two dimensions at the end of the board. For example, enter 2 if you are using 2" x 6"s.

QC Enter the percent of waste.

Enter 5 for a standard five percent waste, or the waste percentage you anticipate. Do not use a decimal point or the % symbol.



DRM: BF in a Hand Framed Gable Dormer

QA Enter the length of the dormer ridge.

Enter in feet (comma) inches the dormer ridge length.

QB Enter the length of the dormer fascia.

Enter in feet (comma) inches the length of the dormer fascia on one side.

QC Enter the length of the dormer rafters.

Enter in feet (comma) inches the length of the dormer's common rafters.

QD Enter the rafter centers of the dormer.

Enter in inches the distance from the center of one rafter to the center of the next.

QE Enter the width of the dormer rafters.

Enter the longest measurement at the end of the dormer rafters. Enter 6 if the rafters are 2" x 6".

QF Enter the width of the dormer face.

Enter in inches the width of the dormer face.

QG Enter the height of the wall at the dormer face.

Enter in inches the height of the wall forming the dormer face. This wall typically has a window in it.

QH Enter the width of the dormer studs.

Enter in inches the longest measurement at the end of the studs used in the dormer walls. For example, enter 4 if a 2" x 4" is used.

QI Enter the dormer stud centers.

Enter in inches the distance from the center of one stud in the dormer wall to the center of the next. For example, enter 16 for 16" centers.

QJ Enter the width of the header material, if any.

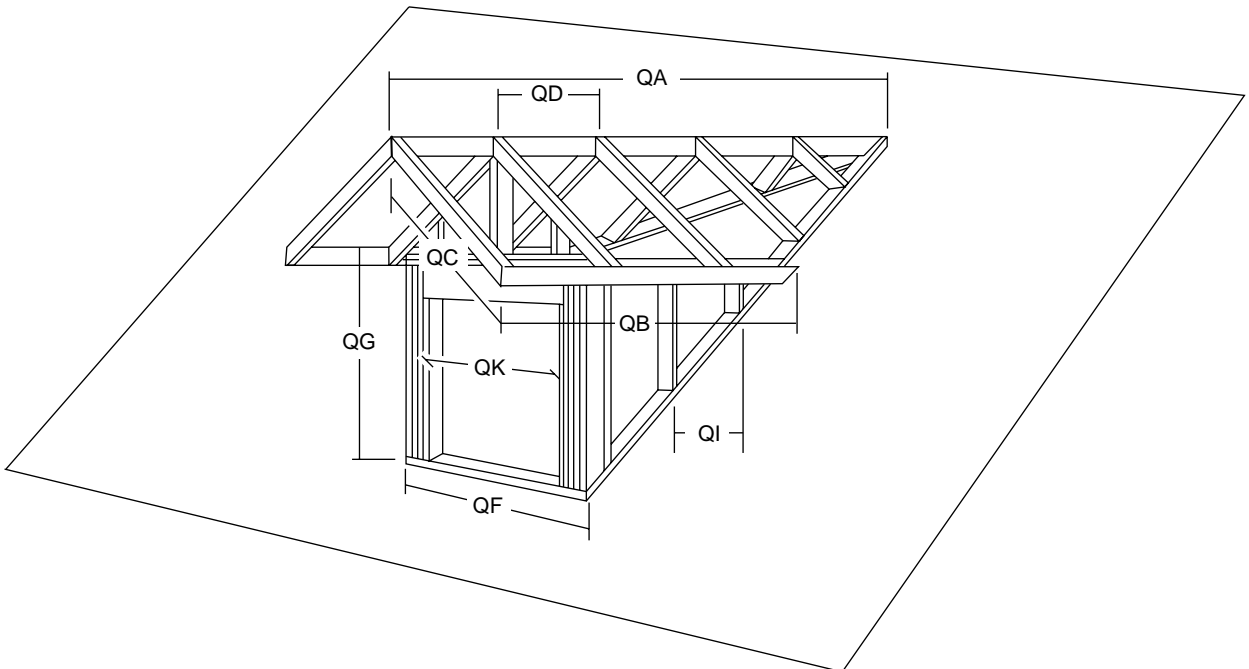
A header is a horizontal structural member over the top of a wall opening that distributes the load to either side of the opening. Enter in inches the widest measurement at the end of the header board. For example, enter 10 for a 2" x 10".

QK Enter the lineal feet of the headered opening.

Enter in feet (comma) inches the width of the headered opening. If an opening does not exist in the dormer face, enter 0 to this question and QJ.

QL Enter the number of dormers.

Enter the number of gable dormers with these dimensions.



FTG: CY of Concrete in a Footing

QA Enter the lineal feet of footings.

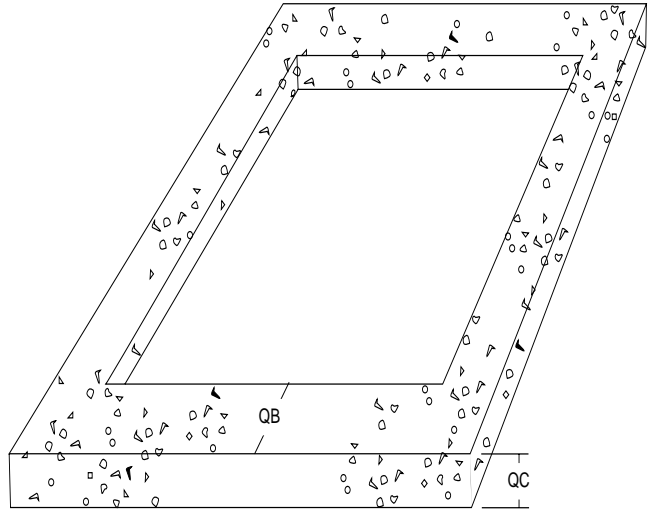
Enter in feet (comma) inches the distance around the exterior footings plus the length of any interior footings.

QB Enter the width of the footings.

Enter in inches the side-to-side measurement of the footings.

QC Enter the depth of the footings.

Enter in inches the distance from the top to the bottom of the footings.



FW: CY of Concrete in a Foundation Wall

QA Enter the lineal feet of foundation wall.

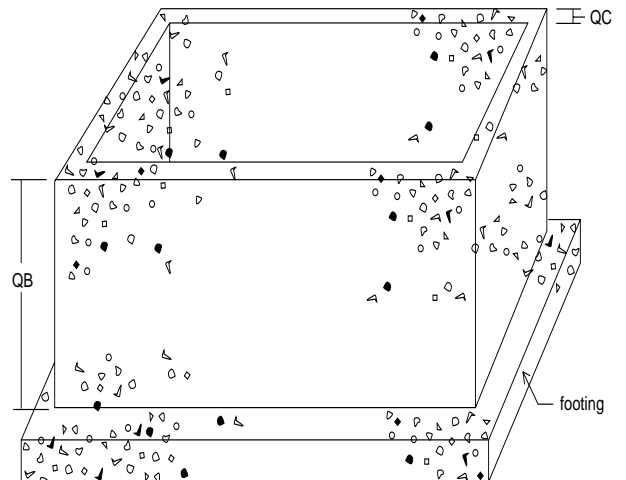
Enter in feet (comma) inches the distance around the exterior of the foundation wall plus the length of any interior walls.

QB Enter the height of the foundation wall.

Enter in feet (comma) inches the measurement from the top to the bottom of the foundation wall.

QC Enter the thickness of the foundation wall.

Enter in inches the thickness of the foundation wall.



Gambrel: SQ in a Gambrel Roof

QA Enter the length of the roof.

Enter in feet (comma) inches the ridge length of the roof.

QB Enter the width of lower slope of the roof.

Enter in feet (comma) inches the width of the lower slope on one side of the gambrel roof.

QC Enter the width of the upper slope of the roof.

Enter in feet (comma) inches the width of the upper slope on one side of the gambrel roof.

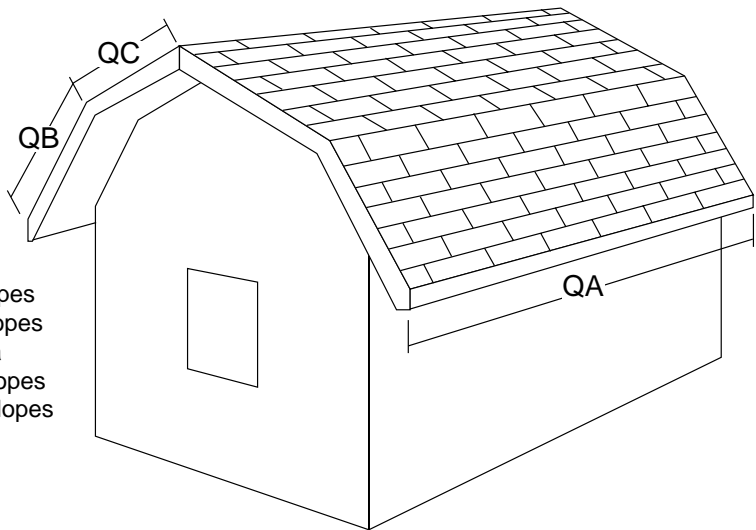
QD Enter the waste percent.

Enter a waste percentage. Do not enter a decimal point or use the % symbol.

QE Enter the number of bundles per square or 1 to round up.

The answer will be rounded up to the fraction that corresponds with the number of bundles of shingles per square. Most composition shingles come in 1/3 square bundles, enter 3 if this applies. Enter 1 to round up to the next higher whole square.

LFF = lineal feet of fascia
SFL = sq. feet of lower roof slopes
SFU = sq. feet of upper roof slopes
SF = total sq. feet of roof area
SQL = squares of lower roof slopes
SQU = squares of upper roof slopes



GRF: SQ in a Gable Roof (using Slope)

QA Enter the length of the main roof.

Enter in feet (comma) inches the ridge length of the main roof.

QB Enter the width of the main roof.

Enter in feet (comma) inches the width of the main roof. This is the distance from fascia to fascia (gable wall plus overhangs).

QC Enter the rise of the main roof.

Enter in feet (comma) inches the vertical distance from the fascia level to the main roof's peak.

QD Enter the length of the tie-in roof, if any.

Enter in feet (comma) inches the fascia length on one side of the tie-in roof section. Enter 0 if a tie-in roof does not exist.

QE Enter the width of the tie-in roof, if any.

Enter in feet (comma) inches the width of the tie-in roof. This is the distance from fascia to fascia (including overhangs). Enter 0 if a tie-in roof does not exist.

QF Enter the rise of the tie-in roof, if any.

Enter in feet (comma) inches the vertical distance from the tie-in roof's fascia level to its peak.

QG Enter the length of the second tie-in roof, if any.

Enter in feet (comma) inches the fascia length on one side of the second tie-in roof section. Enter 0 if a second tie-in roof does not exist.

QH Enter the width of the second tie-in roof, if any.

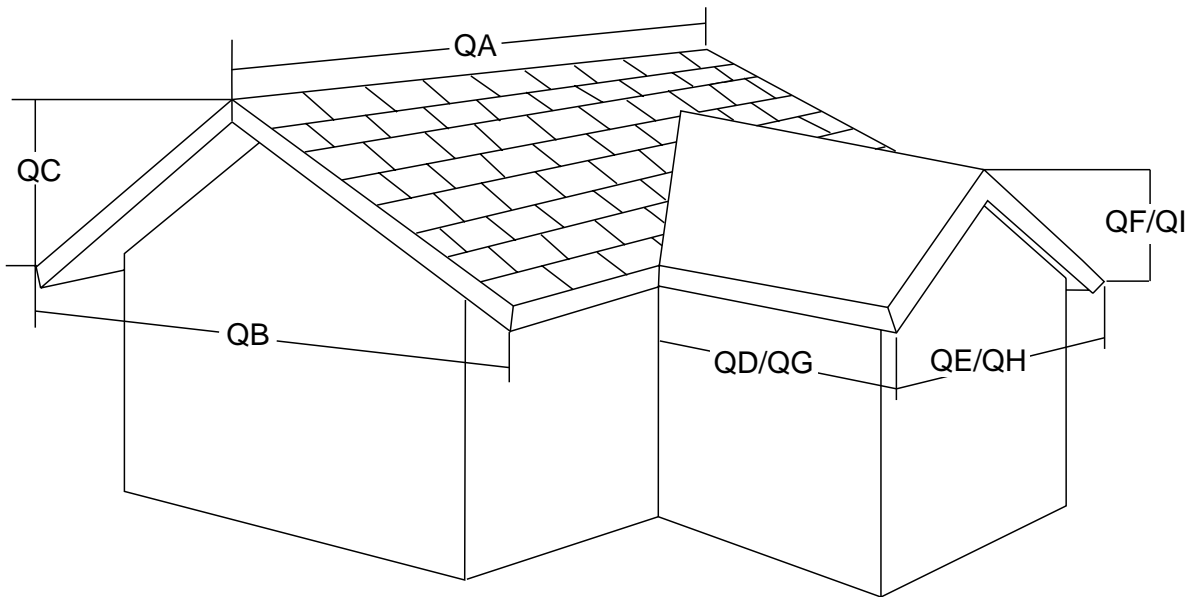
Enter in feet (comma) inches the width of the second tie-in roof. This is the distance from fascia to fascia (including overhangs). Enter 0 if a second tie-in roof does not exist.

QI Enter the rise of the second tie-in roof, if any.

Enter in feet (comma) inches the vertical distance from the second tie-in roof's fascia level to its peak. Enter 0 if a second tie-in roof does not exist.

QJ Enter the number of bundles per square or 1 to round up.

The answer will be rounded to the fraction that corresponds with the number of bundles of shingles per square. Most composition shingles come in 1/3 square bundles; enter 3 if this applies. Enter 1 to round up to the next higher whole square.



GRF2: SQ in a Gable Roof

QA Enter the length of the roof.

Enter in feet (comma) inches the ridge length of the main roof.

QB Enter the rafter length of the main roof.

Enter in feet (comma) inches the distance from the main roof's fascia to its ridge.

QC Enter the length of the tie-in roof, if any.

Enter in feet (comma) inches the fascia length of the tie-in roof. Enter 0 if a tie-in roof does not exist.

QD Enter the rafter length of the tie-in roof, if any.

Enter in feet (comma) inches the distance from the tie-in roof's fascia to its ridge. Enter 0 if a tie-in roof does not exist.

QE Enter the width of the tie-in roof, if any.

Enter in feet (comma) inches the distance from the tie-in roof's fascia to fascia (gable end plus overhangs). Enter 0 if a tie-in roof does not exist.

QF Enter the length of the second tie-in roof, if any.

Enter in feet (comma) inches the fascia length of the second tie-in roof. Enter 0 if a second tie-in roof does not exist.

QG Enter the rafter length of the second tie-in roof.

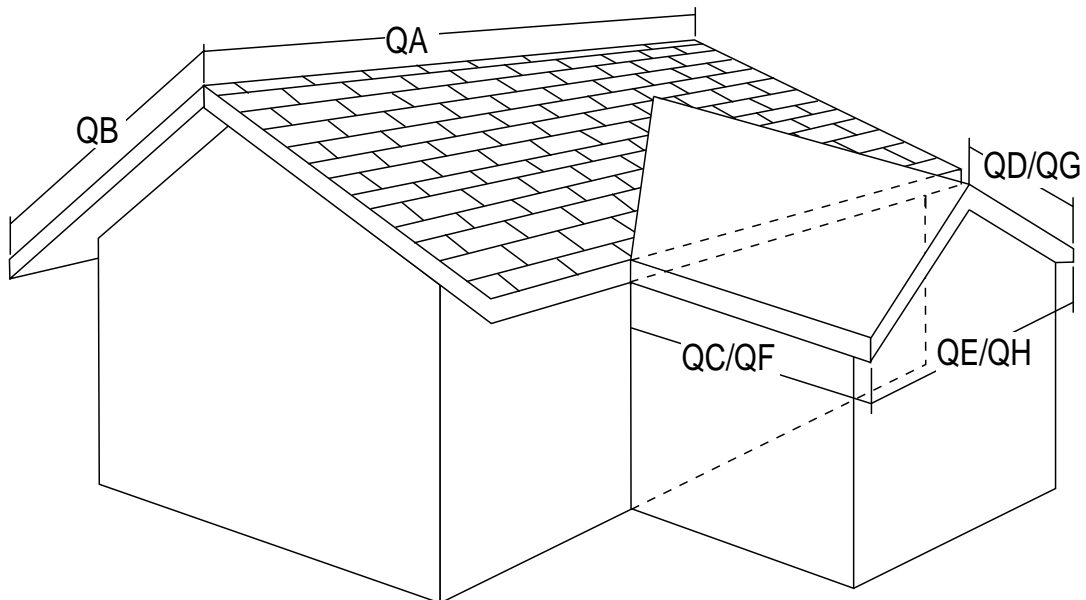
Enter in feet (comma) inches the distance from the second tie-in roof's fascia to its ridge. Enter 0 if a second tie-in roof does not exist.

QH Enter the width of the second tie-in roof, if any.

Enter in feet (comma) inches the fascia-to-fascia distance of the second tie-in roof (gable end plus overhangs). Enter 0 if a second tie-in roof does not exist.

QI Enter the number of bundles per square or 1 to round up.

The answer will be rounded to the fraction that corresponds to the number of bundles of shingles per square. Most composition shingles come in 1/3 square bundles, enter 3 if this applies. Enter 1 to round up to the next higher whole square.



GRFW: SQ in a Gable Roof (User defined Waste)

QA Enter the length of the roof.

Enter in feet (comma) inches the ridge length of the main roof.

QB Enter the rafter length of one side of the main roof.

Enter in feet (comma) inches the distance from the main roof's fascia to its ridge on one side.

QC Enter the rafter length of the main roof's second side.

Enter in feet (comma) inches the distance from the main roof's fascia to its ridge on the other side of the roof.

QD Enter the length of the tie-in roof, in any.

Enter in feet (comma) inches the fascia length of the tie-in roof. Enter 0 if a tie-in roof does not exist.

QE Enter the rafter length of the tie-in roof, if any.

Enter in feet (comma) inches the distance from the tie-in roof's fascia to its ridge. Enter 0 if a tie-in roof does not exist.

QF Enter the width of the tie-in roof, if any.

Enter in feet (comma) inches the distance from the tie-in roof's fascia to fascia (gable end plus overhangs). Enter 0 if a tie-in roof does not exist.

QG Enter the length of the second tie-in roof, if any.

Enter in feet (comma) inches the fascia length of the second tie-in roof. Enter 0 if a second tie-in roof does not exist.

QH Enter the rafter length of the second tie-in roof, if any.

Enter in feet (comma) inches the distance from the second tie-in roof's fascia to its ridge. Enter 0 if a second tie-in roof does not exist.

QI Enter the width of the second tie-in roof, if any.

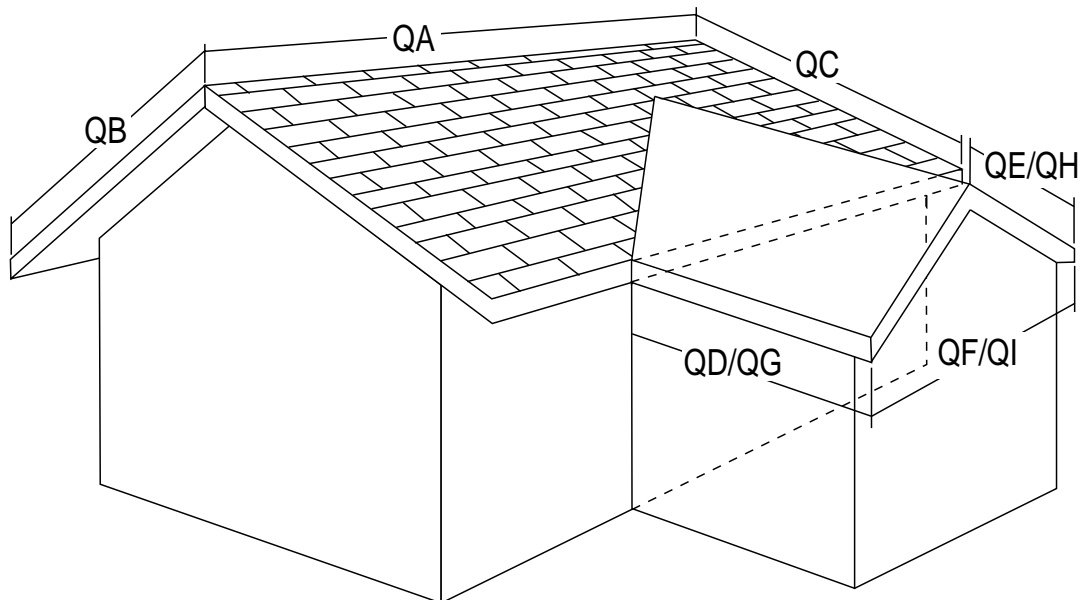
Enter in feet (comma) inches the fascia-to-fascia distance of the second tie-in roof (gable end plus overhangs). Enter 0 if a second tie-in roof does not exist.

QJ Enter the percent of waste.

Enter a waste percentage. Do not enter a decimal point or use the % symbol.

QK Enter the number of bundles per square or 1 to round up.

The answer will be rounded up to the fraction that corresponds with the number of bundles of shingles per square. Most composition shingles come in 1/3 square bundles; enter 3 if this applies. Enter 1 to round up to the next higher whole square.



HFR: BF in a Hand Framed Roof without Tie-in

QA Enter the length of the roof.

Enter in feet (comma) inches the length of the roof measure parallel to its ridge.

QB Enter the width of the rafter material.

Enter in inches the longest measurement at the end of the rafter. For example, enter 8 if you are using 2" x 8"s.

QC Enter the length of the rafter.

Enter in feet (comma) inches the length of the rafter from the fascia to the roof's ridge.

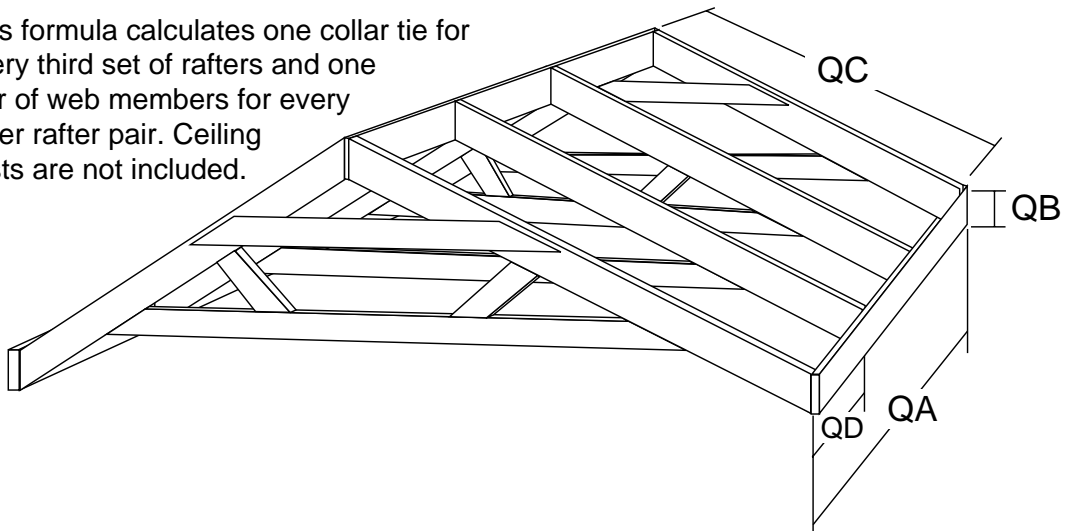
QD Enter the rafter centers.

Enter in inches the distance from the center of one rafter to the center of the next.

QE Enter the number of doubled or extra rafters.

Enter the number of doubled rafters. Doubled rafters are used where additional support is needed. For example, air conditioning units, dormers, or framing around chimneys may require extra rafters.

This formula calculates one collar tie for every third set of rafters and one pair of web members for every other rafter pair. Ceiling joists are not included.



HFRT: BF in a Hand Framed Roof with a Tie-in

QA Enter the length of the main roof.

Enter in feet (comma) inches the length of the main roof measured parallel to its ridge.

QB Enter the width of the main roof's rafter material.

Enter in inches the longest measurement at the end of the rafter. For example, enter 6 for a 2" x 6".

QC Enter the main roof's rafter length.

Enter in feet (comma) inches the length of the rafter from the fascia to the main roof's ridge.

QD Enter the main roof's rafter centers.

Enter in inches the distance from the center of one rafter to the center of the next.

QE Enter the number of extra rafters in the main roof.

Enter the number of doubled rafters in the main roof. Doubled rafters are used where additional support is needed. For example, air conditioning units, dormers, or framing around a chimney may require extra rafters.

QF Enter the tie-in roof's ridge length.

Enter in feet (comma) inches the length of the tie-in roof's ridge. Enter 0 if a second or tie-in roof does not exist.

QG Enter the tie-in roof's fascia length.

Enter in feet (comma) inches the tie-in roof's fascia length. Enter 0 if a second or tie-in roof does not exist.

QH Enter the width of the tie-in roof's rafter material.

Enter in inches the longest measurement at the end of the tie-in roof's rafters. For example, enter 6 for a 2" x 6".

QI Enter the tie-in roof's rafter length.

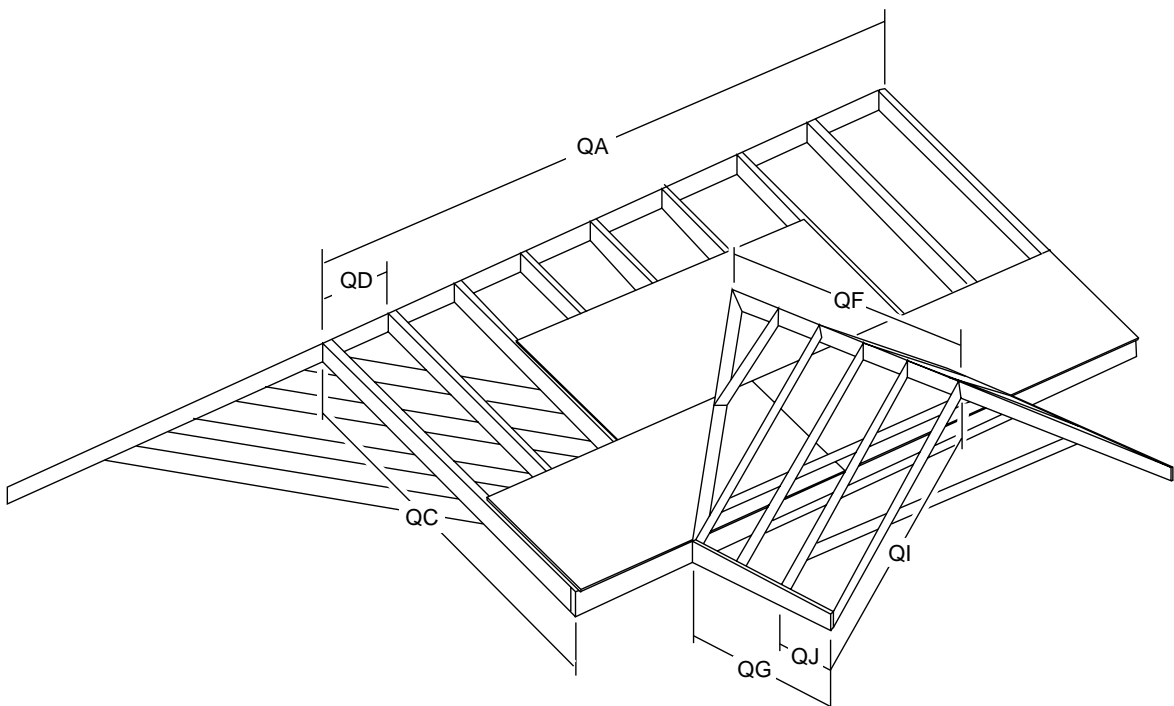
Enter in feet (comma) inches the length of the rafter from the tie-in roof's fascia to its ridge. Enter 0 if a second or tie-in roof does not exist.

QJ Enter the tie-in roof's rafter centers.

Enter in inches the distance from one rafter of the tie-in roof to the next. Enter 0 if a second or tie-in roof does not exist.

QK Enter the number of extra rafters in the tie-in roof.

Enter the number of doubled rafters in the second or tie-in roof. Doubled rafters are used where additional support is needed. For example, air conditioning units, dormers, or framing around chimneys may require extra rafters.



HFTR: BF in a Hand Framed Tie-In Roof

QA Enter the length of the tie-in ridge.

Enter in feet (comma) inches the ridge length of the tie-in or second roof.

QB Enter the length of the fascia.

Enter in feet (comma) inches the tie-in roof's fascia length from its front corner to the place it connects to the main roof.

QC Enter the width of the rafters.

Enter in inches the longest measurement at the end of the board. For example, enter 8 if using 2" x 8"s.

QD Enter the length of the rafter.

Enter in feet (comma) inches the rafter length from the fascia to the ridge of the roof.

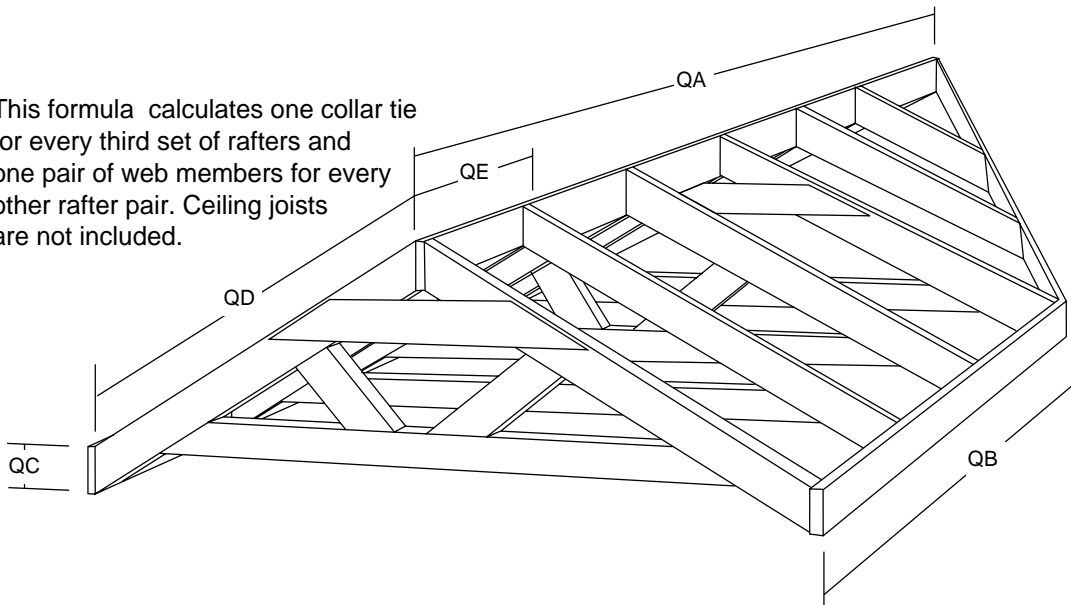
QE Enter the rafter centers.

Enter in inches the distance from the center of one rafter to the center of the next.

QF Enter the number of doubled or extra rafters.

Double rafters are used where additional support is needed. For example, air conditioning units, dormers, or framing around chimneys may require extra rafters.

This formula calculates one collar tie for every third set of rafters and one pair of web members for every other rafter pair. Ceiling joists are not included.



HRF: SQ in a Hip Roof (using slope)

QA Enter the length of the main roof.

Enter in feet (comma) inches the length of the main roof measured parallel to its ridge.

QB Enter the width of the main roof.

Enter in feet (comma) inches the distance from fascia to fascia (including overhang) of the main roof.

QC Enter the rise of the main roof.

Enter in feet (comma) inches the vertical distance from fascia level to the roof's main peak.

QD Enter the length of the tie-in roof, if any.

Enter in feet (comma) inches the length of the tie-in roof's ridge. Enter 0 if a tie-in roof does not exist.

QE Enter the width of the tie-in roof, if any.

Enter in feet (comma) inches the distance from fascia to fascia (including overhang) of the tie-in roof. Enter 0 if a tie-in roof does not exist.

QF Enter the rise of the tie-in roof, if any.

Enter in feet (comma) inches the vertical distance from the tie-in roof's fascia level to its peak. Enter 0 if a tie-in roof does not exist.

QG Enter the length of the second tie-in roof, if any.

Enter in feet (comma) inches the length of the second tie-in roof's ridge. Enter 0 if a second tie-in roof does not exist.

QH Enter the width of the second tie-in roof, if any.

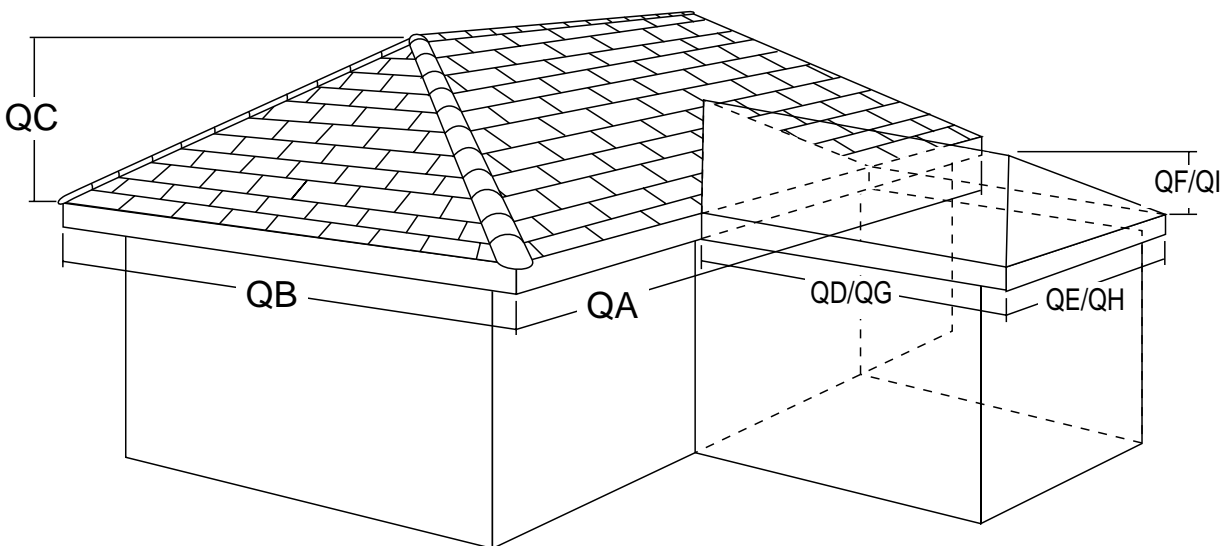
Enter in feet (comma) inches the distance from fascia to fascia (including overhang) of the second tie-in roof. Enter 0 if a second tie-in roof does not exist.

QI Enter the rise of the second tie-in roof, if any.

Enter in feet (comma) inches the vertical distance from the second tie-in roof's fascia level to its peak. Enter 0 if a second tie-in roof does not exist.

QJ Enter the number of bundles per square or 1 to round up.

The answer will be rounded to the fraction that corresponds with the number of bundles of shingles per square. Most composition shingles come in 1/3 square bundles; enter 3 if this applies. Enter 1 to round up to the next higher whole square.



HRF2: SQ in a Hip Roof

QA Enter the length of the roof.

Enter in feet (comma) inches the fascia length of the roof measured parallel to the ridge.

QB Enter the width of the roof.

Enter in feet (comma) inches the fascia length measured perpendicular to the ridge.

QC Enter the rafter length of the roof.

Enter in feet (comma) inches the length of a common rafter of the roof (including overhang). This is the distance from the fascia to the ridge measured perpendicular to the ridge.

QD Enter the length of the tie-in roof, if any.

Enter in feet (comma) inches the fascia length of the tie-in roof measured parallel to its ridge. Enter 0 if a tie-in roof does not exist.

QE Enter the rafter length of the tie-in roof, if any.

Enter in feet (comma) inches the length of a common rafter of the tie-in roof (including overhang). This is the distance from the fascia to the ridge measured perpendicular to the ridge. Enter 0 if a tie-in roof does not exist.

QF Enter the length of the second tie-in roof, if any.

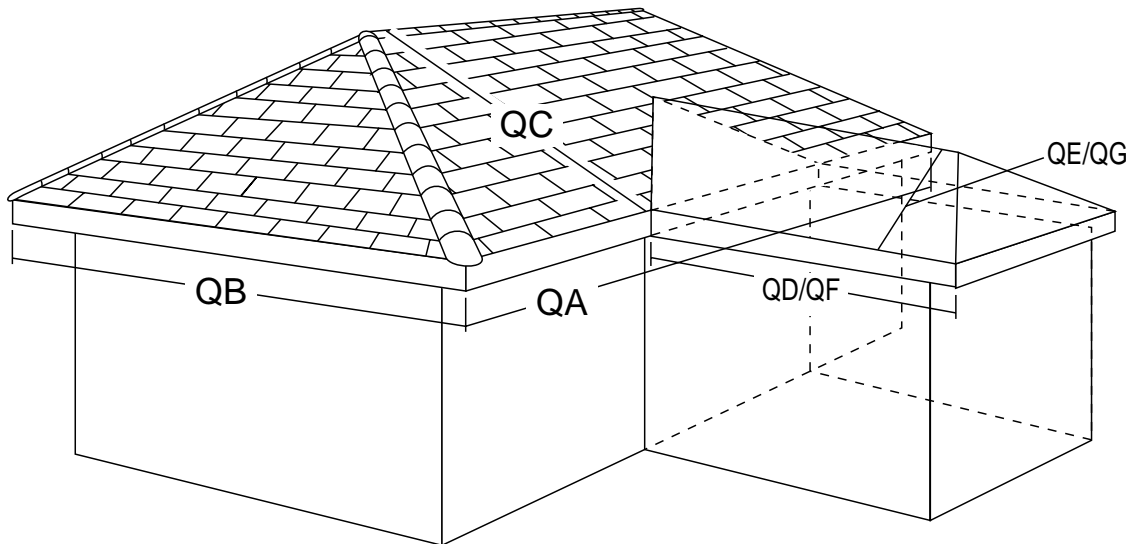
Enter in feet (comma) inches the fascia length of the second tie-in roof measured parallel to its ridge. Enter 0 if a second tie-in roof does not exist.

QG Enter the rafter length of the second tie-in roof, if any.

Enter in feet (comma) inches the length of a common rafter of the second tie-in roof (including overhang). This is the distance from the fascia to the ridge measured perpendicular to the ridge. Enter 0 if a second tie-in roof does not exist.

QH Enter the number of bundles per square or 1 to round up.

The answer will be rounded to the fraction that corresponds with the number of bundles of shingles per square. Most composition shingles come in 1/3 square bundles; enter 3 if this applies. Enter 1 to round up to the next higher whole square.



HRFW: SQ in a Hip Roof (User defined Waste)

QA Enter the length of the roof.

Enter in feet (comma) inches the fascia length of the roof measured parallel to the ridge.

QA Enter the width of the roof.

Enter in feet (comma) inches the fascia length measured perpendicular to the ridge.

QC Enter the rafter length of the roof.

Enter in feet (comma) inches the length of a common rafter of the roof (including overhang). This is the distance from the fascia to the ridge measured perpendicular to the ridge.

QD Enter the length of the tie-in roof, if any.

Enter in feet (comma) inches the fascia length of the tie-in roof measured parallel to its ridge. Enter 0 if a tie-in roof does not exist.

QE Enter the rafter length of the tie-in roof, if any.

Enter in feet (comma) inches the length of a common rafter of the tie-in roof (including overhang). This is the distance from the fascia to the ridge measured perpendicular to the ridge. Enter 0 if a tie-in roof does not exist.

QF Enter the length of the second tie-in roof, if any.

Enter in feet (comma) inches the fascia length of the second tie-in roof measured parallel to its ridge. Enter 0 if a second tie-in roof does not exist.

QG Enter the rafter length of the second tie-in roof.

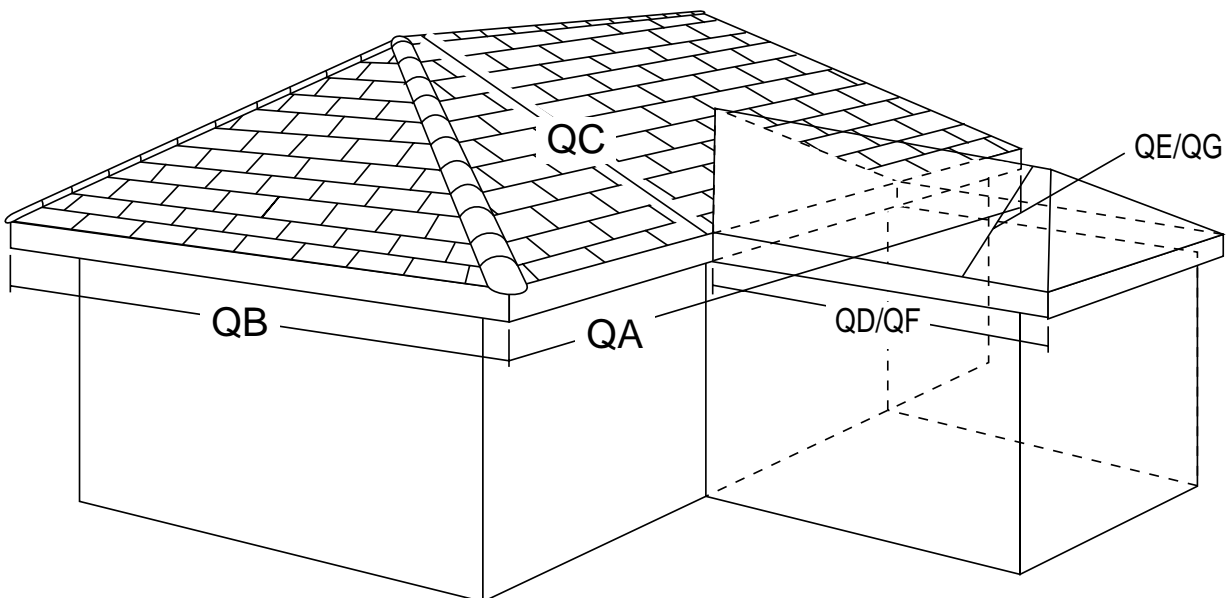
Enter in feet (comma) inches the length of a common rafter of the second tie-in roof (including overhang). This is the distance from the fascia to the ridge measured perpendicular to the ridge. Enter 0 if a second tie-in roof does not exist.

QH Enter the percent of waste.

Enter a waste percentage. Do not enter a decimal point or use the % symbol.

QI Enter the number of bundles per square or 1 to round up.

The answer will be rounded to the fraction that corresponds with the number of bundles of shingles per square. Most composition shingles come in 1/3 square bundles; enter 3 if this applies. Enter 1 to round up to the next higher whole square.



JSTBF: BF in a Joist System

QA Enter the total joist system length.

Enter in feet (comma) inches the joist system length. This measurement follows the direction of travel when stepping from joist to joist.

QB Enter the total joist system width.

Enter in feet (comma) inches the distance spanned by the joist system.

QC How many spans are used to cover the system width?

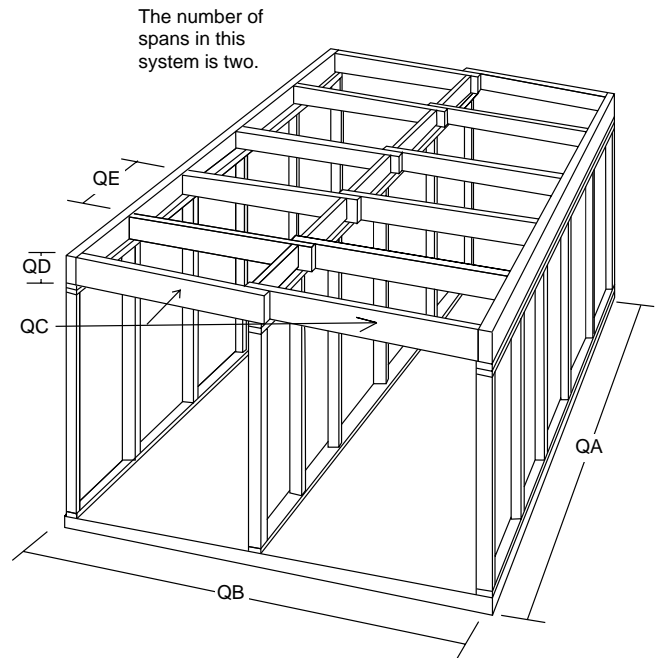
A span refers to the distance between the bearing points of a joist. Often, a joist system will require two or three spans to cover the entire width of the structure.

QD Enter the joist's width.

Enter in inches the widest measurement at the end of the joist.

QE Enter the joist centers.

Enter in inches the distance from the center of one joist to the center of the next.



JSTLF: LF in a Joist System

QA Enter the total joist system length.

Enter in feet (comma) inches the joist system length. This measurement follows the direction of travel when stepping from joist to joist.

QB Enter the total joist system width.

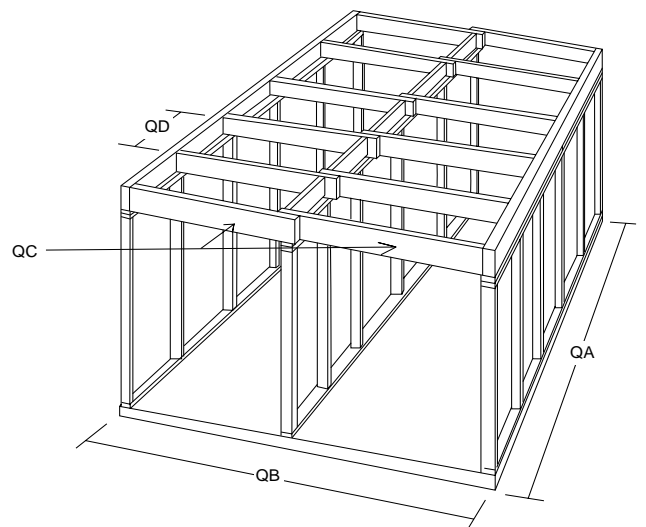
Enter in feet (comma) inches the distance spanned by the joist system—generally the width of the structure.

QC How many spans are used to cover total system width?

A span refers to the distance between the bearing points of a joist. Often, a joist system will require two or three spans to cover the entire width of the structure.

QD Enter the joist centers.

Enter in inches the distance from the center of one joist to the center of the next.



MANSARD: SQ in a Mansard Roof

QA Enter the length of the lower roof.

Enter in feet (comma) inches the fascia length on the long side of the lower roof.

QB Enter the width of the lower roof.

Enter in feet (comma) inches the fascia length of the short side of the lower roof.

QC Enter the rafter length of the lower roof.

Enter in feet (comma) inches the length of a common rafter of the lower roof section (including overhang). This is the distance from the fascia to the ridge separating the upper and lower roof sections.

QD Enter the width of the upper roof section.

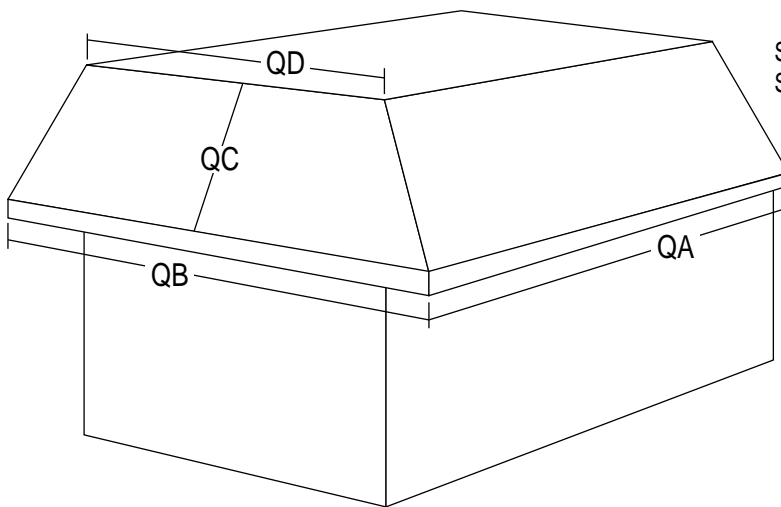
Enter in feet (comma) inches the width of the upper section of the roof. This is the shortest side of the upper roof.

QE Enter the waste percent.

Enter a waste percentage. Do not enter a decimal point or use the % symbol.

QF Enter the number of bundles per square or 1 to round up.

The answer will be rounded to the fraction that corresponds with the number of bundles of shingles per square. Most composition shingles come in 1/3 square bundles; enter 3 if this applies. Enter 1 to round up to the next higher whole square.



LFF = lineal feet of fascia
SFL = sq. feet of lower roof slopes
SFU = sq. feet of flat upper roof
SF = total sq. feet of roof area
SQL = squares of lower roof slopes
SQU = squares of flat upper roof

MONO: CY of Concrete in a Monolithic Slab

QA Enter the length of the slab.

Enter in feet (comma) inches one of the slab's dimensions.

QB Enter the width of the slab.

Enter in feet (comma) inches the dimension of the slab not entered in QA.

QC Enter the thickness of the slab.

Enter in inches the distance from the top to the bottom of the slab.

QD Enter the lineal feet of the perimeter footings.

Enter in feet (comma) inches the distance around the outside of the monolithic slab.

QE Enter the width of the perimeter footings.

Enter in inches the average width of the perimeter footings.

QF Enter the depth of the perimeter footings.

Enter in inches the average depth of the perimeter footings.

QG Enter the total lineal feet of interior footing.

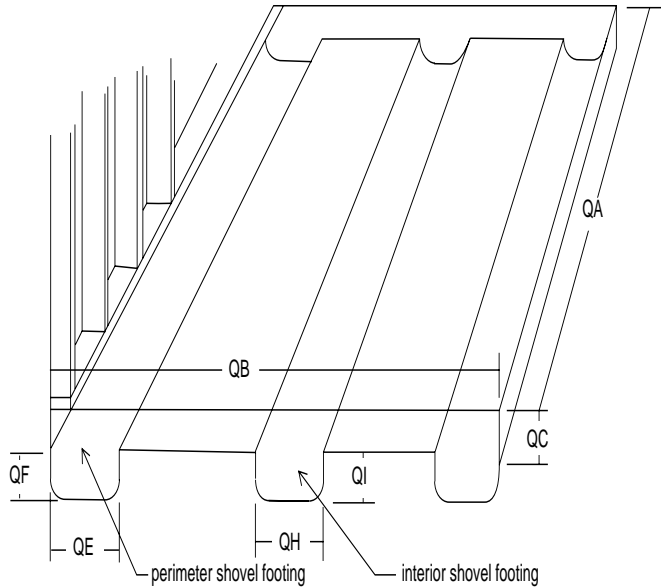
Enter in feet (comma) inches the lineal feet of interior footing.

QH Enter the width of the interior footing.

Enter in inches the average width of the interior footings.

QI Enter the depth of the interior footings.

Enter in inches the average depth of the interior footings.



RCIR: SQ in a Circular Roof

QA Enter the diameter of the area.

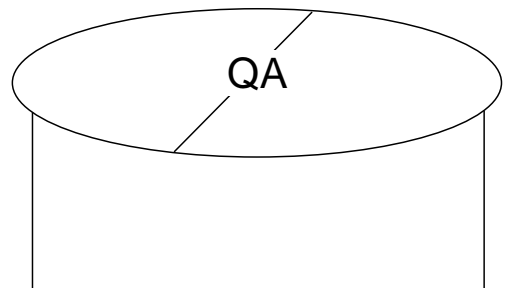
Enter in feet (comma) inches the distance from one side of the roof to the other.

QB Enter the percent of waste.

Enter a waste percentage. Do not enter a decimal point or use the % symbol.

QC Enter the number of bundles per square or 1 to round up.

The answer will be rounded to the fraction that corresponds with the number of bundles of shingles per square. Most composition shingles come in 1/3 square bundles; enter 3 if this applies. Enter 1 to round up to the next higher whole square.



LFF = lineal feet of fascia

SF = sq. feet of roof area

RCON: SQ in a Conical Roof

QA Enter the diameter of the cone base.

Enter in feet (comma) inches the distance from one side of the cone base to the other.

QB Enter the rafter length.

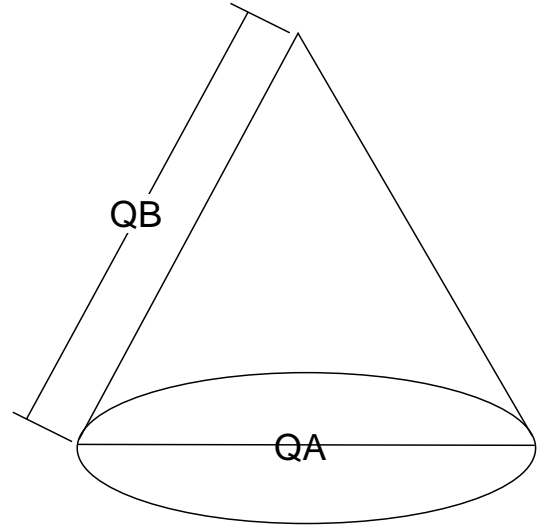
Enter in feet (comma) inches the distance from the roof's fascia to the peak.

QC Enter the percent of waste.

Enter a waste percentage. Do not enter a decimal point or use the % symbol.

QD Enter the number of bundles per square or 1 to round up.

The answer will be rounded to the fraction that corresponds with the number of bundles of shingles per square. Most composition shingles come in 1/3 square bundles; enter 3 if this applies. Enter 1 to round up to the next higher whole square.



LFF = lineal feet of fascia
SF = sq. feet of roof area

SL: CY of Concrete in a Slab

QA Enter the length of the slab.

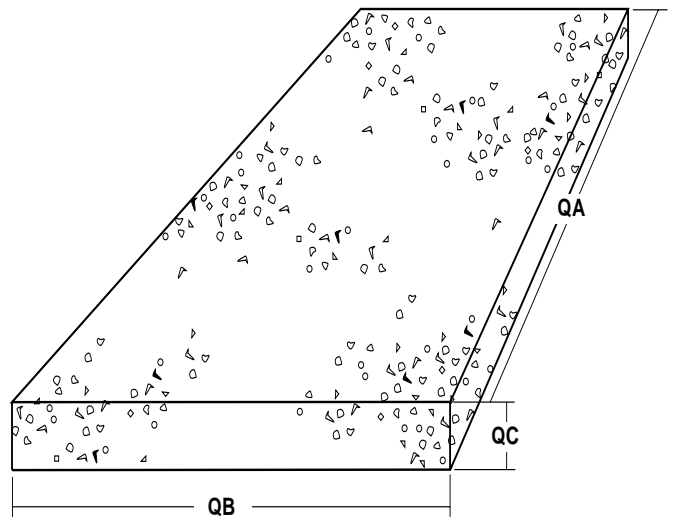
Enter one of the dimensions of the slab in feet (comma) inches.

QB Enter the width of the slab.

Enter in feet (comma) inches the dimension of the slab not entered in QA.

QC Enter the thickness of the concrete.

Enter in inches the distance from the top to the bottom of the concrete slab.



STB: BF in a Load Bearing Stud Wall

QA Enter the lineal feet of wall.

Enter the length of the wall in feet (comma) inches. If you have more than one wall, enter the combined lineal feet. You may use appropriate Standard Variables and mathematical formulas.

QB Enter the number of corners, openings, and intersections.

This includes all windows, doors, corners, and wall intersections. The formula adds 2.5 studs for each opening, corner, and intersection.

QC Enter the stud width.

Enter in inches the widest measurement at the end of the stud. For example, enter 6 for a 2" x 6".

QD Enter the length of the stud.

Enter in feet (comma) inches the longest measurement (length) of the studs. Pre-cuts (92 5/8") should be rounded to 8 feet.

QE Enter the measurement from stud center to center.

Enter in inches the distance from the center of one stud to the center of the next. For example, enter 16 for sixteen inch centers.

QF Enter the number of top plates.

A top plate is the horizontal board or boards running across the top of the studs. The formulas automatically adds the sole (bottom) plate.

QG Enter the width of the header material.

A header is a horizontal structural member over the top of wall openings that distributes the load to either side of the opening. Enter in inches the widest measurement at the end of the board. For example, enter 10 if you are using 2" x 10"s.

QH Enter the thickness of the header material.

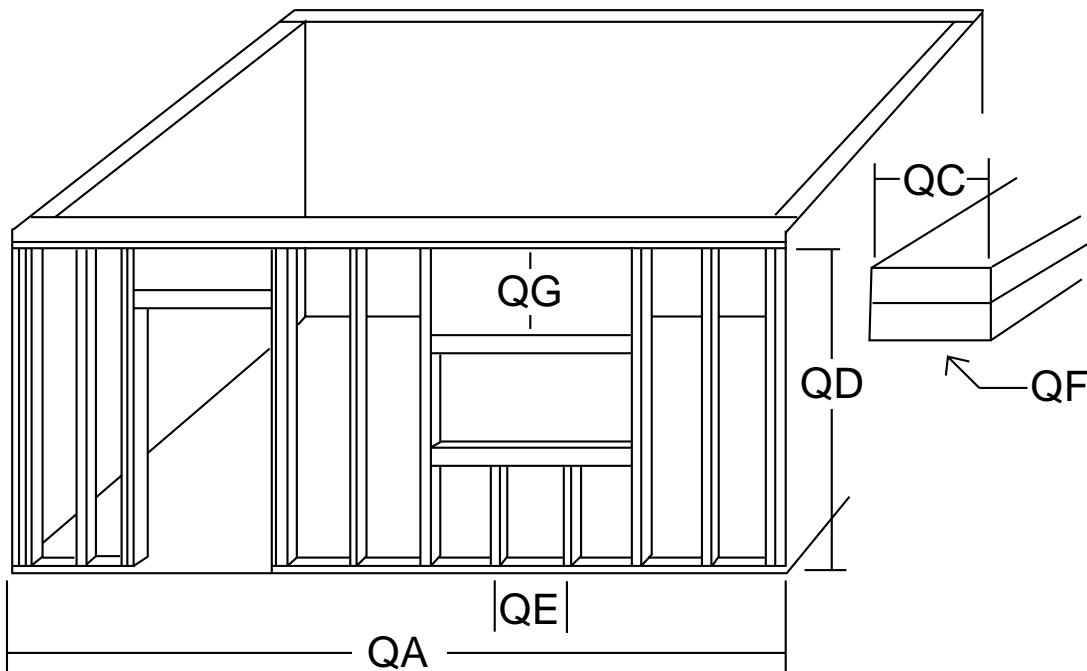
Enter in inches the smaller measurement at the end of the board. For any 2X material enter 2, for 4X material enter 4.

QI Enter the number of boards used per header.

For example, enter 2 if you are using two boards nailed together.

QJ Enter the lineal feet of headered openings.

Measure the width of each opening and add the measurements together. Enter in feet (comma) inches.



STN: BF in a Non-Bearing Stud Wall

QA Enter the lineal feet of wall.

Enter the length of the wall in feet (comma) inches. If you have more than one wall, enter the combined lineal feet. You may use appropriate Standard Variables and mathematical formulas.

QB Enter the number of corners, openings, and intersections.

This includes all windows, doors, corners, and wall intersections. The formula adds 2.5 studs for each opening, corner, and intersection.

QC Enter the stud width.

Enter in inches the widest measurement at the end of the stud.

QD Enter the length of the stud.

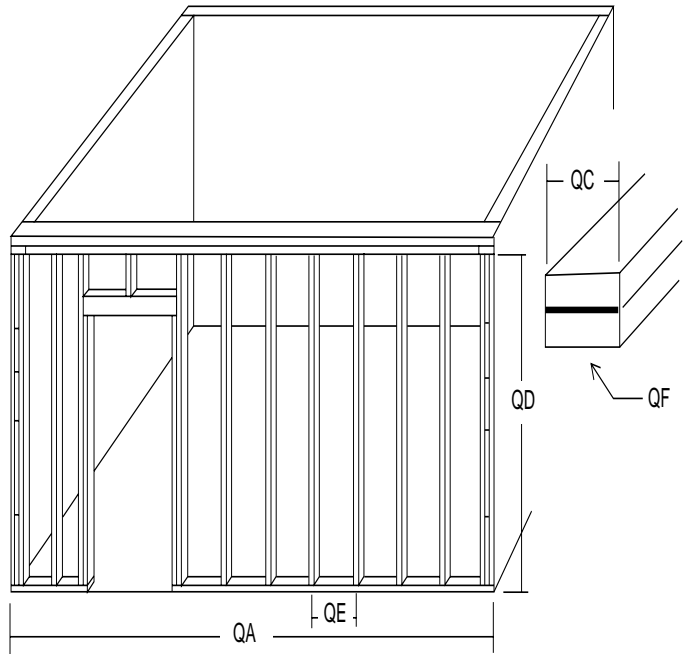
Enter in feet (comma) inches the longest measurement (length) of the studs. Pre-cuts (92 5/8") should be rounded to 8 feet.

QE Enter the measurement from stud center to center.

Enter in inches the distance from the center of one stud to the center of the next. For example, enter 16 for sixteen inch centers.

QF Enter the number of top plates.

A top plate is the horizontal board or boards running across the top of the studs. The formula automatically adds the sole (bottom) plate.



STP: CY of Concrete in a Step

QA Enter the rise of each step.

Enter in inches the average height (rise) of each step.

QB Enter the run of each step.

Enter in inches the horizontal measurement from the front edge (nose) of one step to its back edge (where it rises to the next step).

QC Enter the length of each step.

Enter in inches the side-to-side measurement of the step.

QD Enter the number of steps (not including the landing).

Enter the number of steps. Do not include the landing in this number.

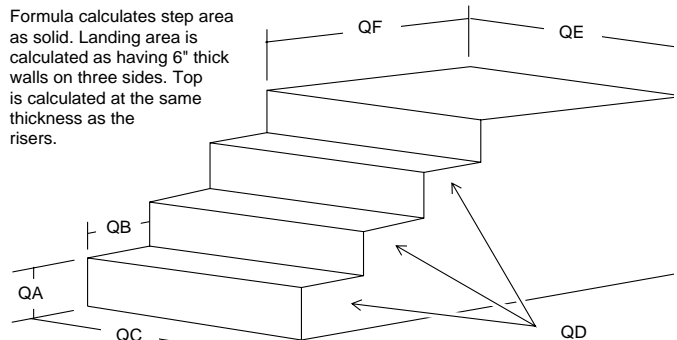
QE Enter the length of the landing.

Enter in inches the side-to-side measurement of the landing. This is the measurement parallel to the steps.

QF Enter the width of the landing.

Enter in inches the front-to-back measurement of the landing. This is the measurement perpendicular to the steps.

Formula calculates step area as solid. Landing area is calculated as having 6" thick walls on three sides. Top is calculated at the same thickness as the risers.



There are three steps in this drawing

TR: LF of Truss

QA Enter the total truss system length.

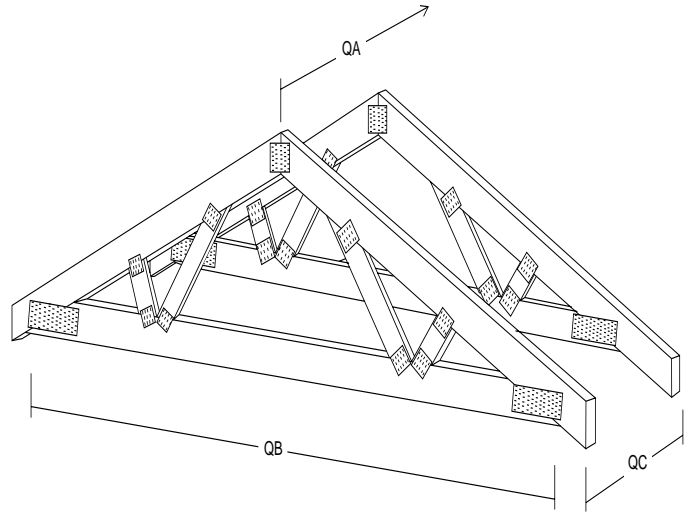
Enter in feet (comma) inches the building dimension perpendicular to the span of the trusses.

QB Enter the width (span) of the truss.

This is the width of a typical truss not including overhang. Enter in feet (comma) inches the measurement from bearing point to bearing point of the truss.

QC Enter the truss centers.

Enter in inches the distance from the center of one truss to the center of the next.



NOTE: A span refers to the distance between the bearing points of a truss.

VRF: BF in a Roof for a Vaulted Ceiling

QA Enter the length of the roof.

Enter in feet (comma) inches the length of the roof over the vaulted ceiling area. This measurement might be most easily obtained by measuring the length of the room with the vaulted ceiling.

QB Enter the width of the roof.

Enter in feet (comma) inches the width of the roof over the vaulted ceiling. This is the distance from fascia to fascia.

QC Enter the rise of the roof.

Enter in feet (comma) inches the vertical distance from the fascia level to the peak of the roof.

QD Enter the width of the rafter material.

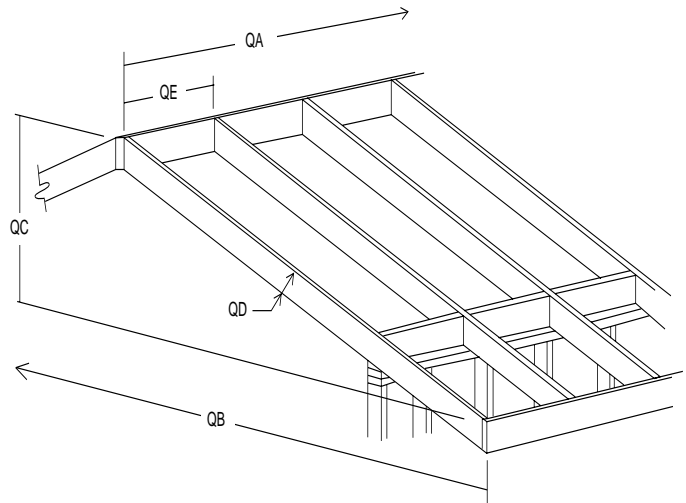
Enter in inches the largest measurement at the end of the rafter. For example, enter 8 for a 2" x 8".

QE Enter the rafter centers.

Enter in inches the distance from the center of one rafter to the center of the next.

QF Enter the number of doubled or extra rafters.

Enter the number of doubled rafters. Doubled rafters are used where additional support is needed. For example, air conditioning units or framing around chimneys may require extra rafters.



VRFT: BF in a Roof for Vaulted Ceiling with Tie-in

QA Enter the tie-in roof's fascia length.

Enter in feet (comma) inches the fascia length of the tie-in roof with the vaulted ceiling.

QB Enter the width of the roof.

Enter in feet (comma) inches the fascia to fascia distance of this tie-in roof.

QC Enter the rise of this roof.

Enter, in feet (comma) inches the vertical distance from fascia level to this roof's peak.

QD Enter the width of the rafter material.

Enter in inches the largest measurement at the end of the rafter. For example, enter 8 for a 2" x 8".

QE Enter the rafter centers.

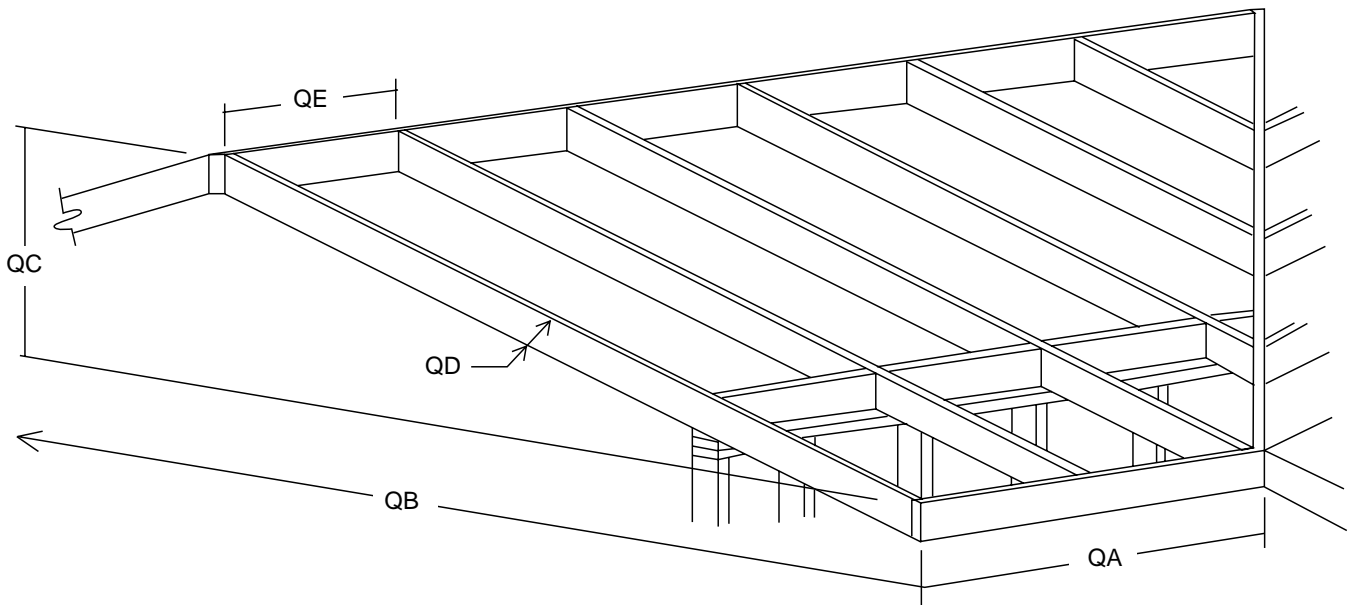
Enter in inches the distance from the center of one rafter to the center of the next.

QF Enter the number of doubled or extra rafters.

Doubled rafters are used where additional support is needed. For example, air conditioning units or framing around chimneys may require extra rafters.

QG Enter the slope of the roof this roof ties into.

Enter the slope of the roof this roof ties into in the following format: enter 4 for 4/12.



WASTE: Add a Waste Factor

QA Enter the number of units.

You may use an appropriate Standard Variable or a formula to calculate your answer.

QB Enter the percent of waste.

Enter the waste percentage. Do not use the decimal point or the % symbol. For example, enter 10 to calculate 10% waste.