

Doors & Windows

Metal Doors & Frames

18 Ga. Welded Hollow Metal Frames

Size	4-3/4" (118.7mm)	5-3/4" (143.7mm)	6-3/4" (168.7mm)	8-3/4" (218.7mm)
2'-6"x7'-0"	60.00	63.00	65.00	67.00
3'-0"x7'-0"	62.00	64.00	66.00	68.00
5'-0"x7'-0"	77.00	80.00	82.00	84.00
6'-0"x7'-0"	80.00	82.00	84.00	86.00

Deduct \$10.00 each for knocked down (K.D.) frames.

Add \$10.00 for "B" Label, \$15.00 for "A" Label.

20 Ga. Hollow Metal Doors

Size	1-3/8" (34.3 mm)	1-3/4" (43.7 mm)
2'-6"x7'-0" (750 x 2100 mm)	132.00	143.00
3'-0"x7'-0" (900 x 2100 mm)	143.00	154.00
3'-6"x7'-0" (1050 x 2100 mm)	159.00	170.00

Add \$20.00 for "B" Label, \$45.00 for "A" Label

Add \$60.00 for louver, \$50.00 for lite cut-out.

Add \$40.00 for mineral core (for temperature rise rating).

Wood Doors

Exterior Entrance (Pre-hung)

White Pine Entrance Doors

Type	2'-8"x6'-8"x1-3/4" (800 x 2000 x 43.7 mm)	3'-0"x6'-8"x1-3/4" (900 x 2000 x 43.7 mm)
6 Panel Colonial	\$95.00	\$100.00
4 Panel & Light	97.00	102.00
X Buck & 9 Light Rect.	110.00	115.00
X Buck & 12 Light Diag.	125.00	130.00
12 Panel Spanish	135.00	140.00
21 Panel Spanish	-	150.00

Prehung Interior Doors

Door Size	Luan Doors	Birch Doors
1'-6"x6'-8" (450 x 2000 mm)	\$63.50	\$76.50
2'-0"x6'-8" (600 x 2000 mm)	64.50	78.50
2'-4"x6'-8" (700 x 2000 mm)	66.50	80.50
2'-6"x6'-8" (750 x 2000 mm)	68.50	83.00
2'-8"x6'-8" (800 x 2000 mm)	71.00	85.00

Sliding Doors

2 Panel Opng.	H. C. Luan	H. C. Birch	W. P. Louver	W. P. Half Louver	6 Pan. W. P. Col.
4'-0" x 6'-8" (1200 x 2000 mm)	\$47.50	\$58.00	\$100.50	\$127.00	\$180.00
5'-0" x 6'-8" (1500 x 2000 mm)	52.50	63.00	105.00	132.00	185.00
6'-0" x 6'-8" (1800 x 2000 mm)	58.00	68.00	110.50	137.00	190.00

Bi-Fold Doors

Opng.	1-3/8" (34.3mm) Hard- board	1-3/8" (34.3mm) H.C. Birch	1-1/8" (28.1mm) Louver	1-1/8" (28.1mm) Half Louver	1-3/8" (34.3mm) W. P. Col.	
2'-0" x 6'-8" (600 x 2000 mm)	2	\$26.50	\$37.00	\$47.50	\$53.00	\$58.00
2'-6" x 6'-8" (750 x 2000 mm)	2	29.50	42.00	52.00	58.00	63.00
3'-0" x 6'-8" (900 x 2000 mm)	2	33.00	44.00	54.50	62.00	68.00
4'-0" x 6'-8" (1200 x 2000 mm)	4	39.00	69.00	78.00	88.00	113.00
5'-0" x 6'-8" (1500 x 2000 mm)	4	46.00	75.00	83.50	93.00	118.00
6'-0" x 6'-8" (1800 x 2000 mm)	4	52.00	78.00	85.50	98.00	125.00

Overhead Doors

Size Opening	1-3/8" (34.3 mm) Thick	1-3/4" (43.7 mm) Thick
9'-0" x 7'-0" (2700 x 2100 mm)	240.00	265.00
14'-0" x 7'-0" (4200 x 2100 mm)	500.00	530.00
15'-0" x 7'-0" (4500 x 2100 mm)	530.00	580.00
16'-0" x 7'-0" (4800 x 2100 mm)	560.00	640.00
10'-0" x 10'-0" (3000 x 3000 mm)		425.00
12'-0" x 10'-0" (3600 x 3000 mm)		510.00
10'-0" x 12'-0" (3000 x 3600 mm)		520.00
12'-0" x 12'-0" (3600 x 3600 mm)		610.00

Finish Hardware

Material Prices For Finish Hardware

Cylindrical Locksets	price range
Std. Duty	\$20.00-70.00
Heavy Duty	60.00-100.00
Mortise Locksets	
Heavy Duty	60.00-110.00
Push-Pull Bars	50.00-150.00
Anti-Panic Device, Single	175.00-400.00
Hinges (per pair)	
Steel Plain	10.00-20.00
Steel B.B.	25.00-70.00
Bronze B.B.	75.00-150.00
Door Closers	
III	45.00-125.00
IV	55.00-100.00
V	65.00-115.00
Surface Bolt	6.00-25.00
Kick Plate	
Alum	5.00-25.00
Bronze	15.00-50.00
Door Stops:	
Floor Bumper	5.00-10.00
Wall Bumper	10.00-15.00
Bumper Plus Holder	16.00-25.00
Door Plunger	15.00-25.00
Thresholds	
Alum	10.00-25.00
Bronze	25.00-100.00

The following table gives average production time, in carpenter hours, for the installation of finish hardware items:

Items of Finish Hardware	Hrs. to Install
Cylindrical Locksets (door prepared)	0.5
Mortise Locksets (door prepared)	0.7
Push-Pull Bars	0.4
Anti-Panic Device	1.5
Door Closers	1.0
Surface Bolts	0.3
Flush Bolts	1.0
Door Stops - Wall Type	0.3
Floor Type	0.5
Thresholds	0.5

Windows

Aluminum Double Hung

Prices of Aluminum Double Hung Windows

Window Type	2-Lt. Top 2-Lt. Bot.	6-Lt. Top 6-Lt. Bot.	Two Light
2030	\$80.00	\$85.00	\$78.00
2830	85.00	90.00	83.00
3030	88.00	93.00	86.00
3430	91.00	96.00	89.00
3830	97.50	103.00	95.00
2038	83.00	88.00	81.00
2838	87.00	93.00	85.00
3038	95.00	100.00	93.00
3438	98.00	103.00	95.00
3838	117.00	127.00	115.00
2044	85.00	90.00	83.00
2844	88.00	93.00	86.00
3044	96.00	101.00	94.00
3444	98.00	103.00	96.00
3844	101.00	106.00	99.00
2050	90.00	95.00	88.00
2850	92.00	95.00	90.00
3050	95.00	100.00	93.00
3450	110.00	115.00	108.00
3850	115.00	120.00	113.00
2060	100.00	105.00	108.00
3060	105.00	110.00	103.00
3860	110.00	115.00	108.00

Aluminum Horizontal Sliding

Window Type	Window Price	Half Screen	Inside Casing
2020	\$34.00	\$6.00	\$9.60
3020	36.00	7.00	10.50
4020	39.00	6.00	10.10
5020	41.00	7.00	11.20
6020	44.00	7.00	12.20
3030	48.00	7.00	9.80
4030	50.00	7.00	10.90
5030	54.00	8.00	12.00
6030	62.00	8.00	12.90
4040	60.00	8.00	12.00
5040	72.00	9.00	13.00
6040	83.00	9.00	14.50

Wood Double Hung

Double Hung Units High Performance (H.P.) Insulating Glass,
Sun Insulating Glass, and Double Pane Insulating Glass

Window Type	Glass Size	Rough Opening		H.P. Insulating	Insect Screen Add	Combination		
		Width	Height			Grille Add	Screen/Storm Add	
1842W	16-1/2"x	22"	1'10-1/8" x	4'5-1/4"	\$173.00	\$16.40	\$13.30	\$72.00
1846W		24"		4'9-1/4"	180.00	17.30	13.50	74.00
2042W	20-1/2"x	22"	2'2-1/8" x	4'5-1/4"	192.00	18.00	15.10	77.00
2046W		24"		4'9-1/4"	207.00	18.80	15.60	80.00
2052W		28"		5'5-1/4"	220.00	20.50	16.70	85.00
2062W		68"		6'5-1/4"	233.00	22.00	22.60	104.00
20210W		14"		3'1-1/4"	176.00	14.40	13.30	69.00
2032W		16"		3'5-1/4"	188.00	15.30	13.60	70.00
20310W		20"		4'1-1/4"	201.00	16.60	14.20	75.00
2442W	24-1/2"x	22"	2'6-1/8" x	4'5-1/4"	215.00	19.40	15.70	84.00
2446W		24"		4'9-1/4"	224.00	20.40	17.00	88.00
2452W		28"		5'5-1/4"	242.00	22.20	17.80	94.00
24210W		14"		3'1-1/4"	257.00	15.40	14.00	72.00
2432W		16"		3'5-1/4"	205.00	16.60	14.40	72.00
24310W		20"		4'1-1/4"	218.00	17.50	14.80	78.00
2842W	28-1/2"x	22"	2'10-1/8" x	4'5-1/4"	233.00	20.80	17.00	91.00
2846W		24"		4'9-1/4"	248.00	21.80	18.50	93.00
2852W		28"		5'5-1/4"	260.00	24.20	19.40	100.00
2856W		60"		5'9-1/4"	247.00	26.00	22.30	104.00
2862W		68"		6'5-1/4"	275.00	30.00	25.20	110.00
28210W		14"		3'1-1/4"	230.00	16.70	15.20	75.00
2832W		16"		3'5-1/4"	260.00	17.50	15.70	76.00
28310W		20"		4'1-1/4"	280.00	19.80	16.00	83.00
3042W	32-1/2"x	22"	3'2-1/8" x	4'5-1/4"	154.00	23.00	18.50	96.00
3046W		24"		4'9-1/4"	160.00	24.10	19.40	96.00
3052W		28"		5'5-1/4"	172.00	26.80	21.40	109.00
3056W		60"		5'9-1/4"	182.00	28.00	24.20	114.00
3062W		68"		6'5-1/4"	157.00	30.30	28.30	121.00
30210W		14"		3'1-1/4"	168.00	18.60	16.20	80.00
3032W		16"		3'5-1/4"	177.00	20.60	16.70	82.00
30310W		20"		4'1-1/4"	190.00	22.20	17.80	89.00
3442W	36-1/2" x	22"	3'6-1/8" x	4'5-1/4"	203.00	24.80	20.00	105.00
3446W		24"		4'9-1/4"	175.00	25.90	20.50	107.00
3452W		28"		5'5-1/4"	183.00	28.90	21.90	119.00
3456W		60"		5'9-1/4"	197.00	30.10	25.60	126.00
3432W		16"		3'5-1/4"	208.00	21.00	18.10	88.00
34310W		20"		4'1-1/4"	220.00	23.70	19.50	95.00
3846W	40-1/2" x	24"	3'10-1/8" x	4'9-1/4"	270.00	27.00	11.20	118.00

Wood Casement

Casement Windows with High Performance (H.P.) Insulating Glass,
Sun Insulating Glass, and Double Pane Insulating Glass

Window Type	Glass Size	Rough Opening		H.P. Insulating	Insect Screen Add	Grille Add	Combination Screen/Storm Add
		Width x	Height				
CR12W	12-5/8" x	19-5/16"	1'5-1/2"	\$130.00	\$10.00	\$8.00	\$56.00
CR13W		31-1/8"	3'0-1/2"	146.00	11.00	9.00	56.00
CR135W		36"	3'5-3/8"	159.00	12.00	10.00	58.00
CR14W		43-3/16"	4'0-1/2"	171.00	13.00	11.00	59.00
CR15W		55-1/16"	5'0-3/8"	209.00	16.00	13.00	63.00
CR16W		67-1/16"	6'0-3/8"	227.00	22.00	18.00	72.00
CN13W	16-1/8" x	31-1/8"	1'9"	147.00	11.00	9.00	59.00
CN135W		36"	3'5-3/8"	160.00	13.00	10.00	61.00
CN14W		43-3/16"	4'0-1/2"	173.00	14.00	11.00	63.00
CN15W		55-1/16"	5'0-3/8"	212.00	17.00	14.00	67.00
CN16W		67-1/16"	6'0-3/8"	230.00	22.00	18.00	74.00
C13W	19-3/4" x	31-1/8"	2'0-5/8"	157.00	12.00	10.00	62.00
C135W		36"	3'5-3/8"	170.00	13.00	11.00	64.00
C14W		43-3/16"	4'0-1/2"	187.00	15.00	12.00	66.00
C15W		55-1/16"	5'0-3/8"	215.00	17.00	14.00	71.00
C16W		67-1/16"	6'0-3/8"	254.00	22.00	18.00	76.00
CW12W	24" x	19-5/16"	2'4-7/8"	146.00	12.00	9.00	65.00
CW13W		31-1/8"	3'0-1/2"	172.00	14.00	10.00	68.00
CW135W		36"	3'5-3/8"	185.00	15.00	11.00	68.00
CW14W		43-3/16"	4'0-1/2"	210.00	16.00	13.00	71.00
CW15W		55-1/16"	5'0-3/8"	250.00	19.00	15.00	77.00
CW16W		67-1/16"	6'0-3/8"	300.00	24.00	20.00	83.00
CR23W	12-5/8" x	31-1/8"	2'10-1/4"	259.00	12.00	9.00	65.00
CR235W		36"	3'5-3/8"	295.00	25.00	20.00	116.00
CR24W		43-3/16"	4'0-1/2"	336.00	26.00	22.00	119.00
CN235W	16-1/8" x	36"	3'5-1/4"	304.00	25.00	20.00	122.00
C23W	19-3/4" x	31-1/8"	4'0-1/2"	309.00	24.00	19.00	124.00
C235W		36"	3'5-3/8"	334.00	27.00	21.00	128.00
C24W		43-3/16"	4'0-1/2"	367.00	29.00	23.00	133.00
C25W		55-1/16"	5'0-3/8"	424.00	35.00	28.00	142.00
C26W		67-1/16"	6'0-3/8"	484.00	44.00	35.00	152.00
CW24W	24" x	43-3/16"	4'9"	410.00	32.00	25.00	142.00
CW25W		55-1/16"	5'0-3/8"	491.00	38.00	29.00	153.00
CW26W		67-1/16"	6'0-3/8"	578.00	48.00	39.00	165.00

Glazing

Product	Thickness	Wt. in lb. per Sq. Ft.	Standard Max. Size	Material Cost per Sq. Ft.
Float	3/32"	1.22	40"x100"	\$1.25
	1/8"	1.62	80"x120"	1.50
	3/16"	2.43	120"x212"	1.75*
Float/Plate	1/4"	3.24	130"x212"	2.00*
	3/8"	4.92	124"x204"	2.75*
	1/2"	6.56	124"x204"	4.00
	3/4"	9.85	124"x204"	6.25

*Note: Add \$0.75 per s.f. for gray or bronze tint.

The information shown was obtained from Walker's Building Estimator's Reference Book, 1999 (among other sources), and is to be used only for classroom purposes and not as a substitute for field experienced estimating techniques or actual material quotes.