

# 400 SERIES SPECIALTY WINDOWS



**Table of Double-Hung Half Circle and Eyebrow Window Sizes**

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	2'-1 5/8" (651)	2'-5 5/8" (752)	2'-9 5/8" (854)	3'-1 5/8" (956)	3'-5 5/8" (1057)
<b>Minimum Rough Opening</b>	2'-2 1/8" (664)	2'-6 1/8" (765)	2'-10 1/8" (867)	3'-2 1/8" (968)	3'-6 1/8" (1070)
Unobstructed Glass (Half Circle)	20 3/8" (518)	24 3/8" (619)	28 3/8" (721)	32 3/8" (822)	36 3/8" (924)
Radius	12 13/16" (325)	14 13/16" (376)	16 13/16" (427)	18 13/16" (478)	20 13/16" (529)
1'-3 3/16" (386)	1'-3 3/4" (400)	1'-5 3/4" (451)	1'-7 3/16" (487)	1'-9 3/16" (538)	1'-11 3/16" (589)
CTN20	CTN24	CTN28	CTN30	CTN34	
20210, 2032, 2036, 20310, 2042, 2046, 20410, 2052, 2056, 20510, 2062, 2072, 2076	24210, 2432, 2436, 24310, 2442, 2446, 24410, 2452, 2456, 24510, 2462, 2472, 2476	28210, 2832, 2836, 28310, 2842, 2846, 28410, 2852, 2856, 28510, 2862, 2872, 2876	30210, 3032, 3036, 30310, 3042, 3046, 30410, 3052, 3056, 30510, 3062, 3072, 3076	34210, 3432, 3436, 34310, 3442, 3446, 34410, 3452, 3456, 34510, 3462, 3472, 3476	
		Unobstructed Glass (Eyebrow)	24 7/8" (632)	26 1/8" (664)	32 7/16" (824)
		Radius	18 3/4" (476)	24" (610)	24" (610)
		10 7/16" (265)	11" (279)	5 3/4" (146)	9 1/8" (232)
		FCD28	FCD30	FCD34	

**Table of Casement/Awning Half Circle, Quarter Circle and Eyebrow Window Sizes**

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	2'-0 1/8" (613)	2'-4 3/8" (721)	2'-7 1/2" (800)	2'-11 15/16" (913)	4'-0" (1219)
<b>Minimum Rough Opening</b>	2'-0 5/8" (625)	2'-4 7/8" (733)	2'-8" (813)	3'-0 1/2" (927)	4'-0 1/2" (1232)
Unobstructed Glass (Half & Quarter Circle)	19 1/2" (495)	23 3/4" (603)	26 7/8" (683)	31 5/16" (795)	43 3/8" (1102)
Radius	12 1/16" (306)	14 3/16" (360)	15 3/4" (400)	18"* (457)	24" (610)
1'-2 3/8" (365)	1'-4 1/2" (419)	1'-6" (458)	1'-8 1/4" (514)	2'-2 5/16" (668)	
CTC1	CTCW1	CTCX1	CTCXW1	CTC2	
Radius	24" (610)	28 1/4" (718)	31 3/8" (797)	35 13/16" (910)	
2'-0 1/8" (613)	2'-4 3/8" (721)	2'-7 1/2" (800)	2'-11 15/16" (913)		
CTQC1	CTQCW1	CTQCX1	CTQA3		
C12, C125, C13, C135, C14, C145, C15, C155, C16, CTR2010, AR21, AN21, A21, AW21, A212, A213	CW12, CW125, CW13, CW135, CW14, CW145, CW15, CW155, CW16, CTR2410, AR251, AN251, A251, AW251, AX251	CX125, CX13, CX135, CX14, CX145, CX15, CX155, CX16, CTR2810, AR281, AN281, A281, AW281, AX281, AXW281	Unobstructed Glass (Eyebrow)	28 15/16" (735)	35 7/8" (911)
			Radius	18 3/4" (476)	32 1/4" (819)
			1'-1 3/8" (340)	1'-1 7/8" (352)	8 11/16" (221)
			FCCXW3	FCC2	
			CXW13, CXW135, CXW14, CXW145, CXW15, CXW155, CXW16, CTR3010, PTR3010, P3030, P3035, P3040, P3045, P3050, P3055, P3060, AR31, AN31, A31, AW31, AX31, AXW31, A335, A312, AXW312, A313, AP32V, PA3050, PA3060	C22, C225, C23, C235, C24, C245, C25, C255, C26, CTR4010, CTR22010, PTR4010, AR41, AN41, A41, AW41, AX41, AXW41, AR221, AN221, A221, AW221, P4030, P4035, P4040, P4045, P4050, P4055, P4060, AP24V, PA4060	

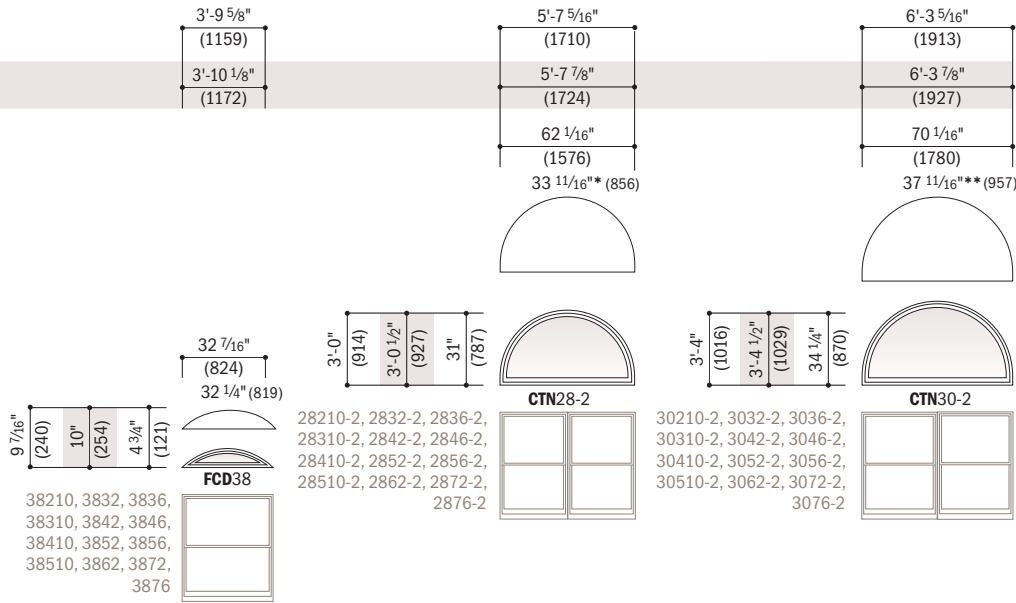
\*"Window Dimension" always refers to outside frame-to-frame dimension.  
 \*Minimum Rough Opening dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.  
 \*Dimensions in parentheses are in millimeters.  
 \*Actual radius of 17 31/32" (456).

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**Table of Double-Hung Half Circle and Eyebrow Window Sizes** (continued)

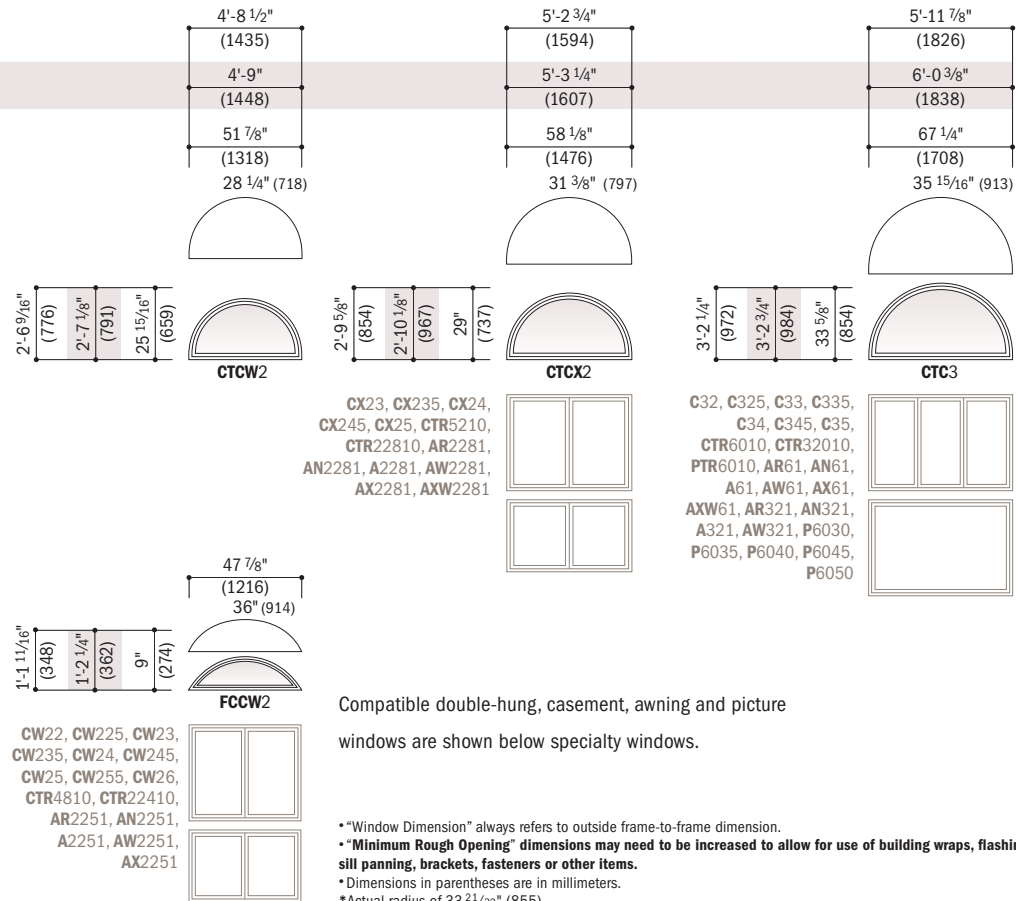
Scale 1/8" (3) = 1'-0" (305) – 1:96



Compatible double-hung, casement, awning and picture windows are shown below specialty windows.

**Table of Casement/Awning Half Circle, Quarter Circle and Eyebrow Window Sizes** (continued)

Scale 1/8" (3) = 1'-0" (305) – 1:96



Compatible double-hung, casement, awning and picture windows are shown below specialty windows.

\*Window Dimension\* always refers to outside frame-to-frame dimension.  
 • \*Minimum Rough Opening\* dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.  
 • Dimensions in parentheses are in millimeters.  
 \*Actual radius of 33 21/32" (855).  
 \*\*Actual radius of 37 21/32" (956).

## Table of Eyebrow Window Sizes – Patio Doors

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	4'-11 1/4" (1504)	5'-11 1/4" (1810)
<b>Minimum Rough Opening</b>	4'-11 3/4" (1518)	5'-11 3/4" (1822)
Unobstructed Glass	49 7/16" (1256)	59 11/16" (1516)
Radius	36" (914)	48" (1219)
	<b>FCFW50</b>	<b>FCFW60</b>
	<b>FWG5068, FWG50611, FWG5080, FWH5068, FWH50611, FWH5080, FWO5068, FWO50611, FWO5080, NLGD5068, NLGD50611, NLGD5080, PS5068, ISPD5068, ISPD50611, ISPD5076, ISPD5080</b>	<b>FWG6068, FWG60611, FWG6080, FWH6068, FWH60611, FWH6080, FWO6068, FWO60611, FWO6080, NLGD6068, NLGD60611, NLGD6080, ISPD6068, ISPD60611, ISPD6076, ISPD6080</b>

Compatible patio doors are shown below specialty windows.

## Table of Elliptical Window Sizes – Patio Doors

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	5'-11 1/4" (1810)	7'-11 1/4" (2419)
<b>Minimum Rough Opening</b>	6'-0" (1829)	8'-0" (2438)
Unobstructed Glass	66 1/4" (1683)	90 1/4" (2292)
	<b>ET6</b>	<b>ET8</b>
	<b>FWG6068, FWG60611, FWG6080, FWH6068, FWH60611, FWH6080, FWO6068, FWO60611, FWO6080, NLGD6068, NLGD60611, NLGD6080, ISID6068, ISID60611, ISID6076, ISID6080</b>	<b>FWG8068, FWG80611, FWG8080, FWH8068, FWH80611, FWH8080, NLGD8068, NLGD80611, NLGD8080</b>

Compatible patio doors are shown below specialty windows.

• "Window Dimension" always refers to outside frame-to-frame dimension.  
 • "Minimum Rough Opening" dimensions may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items.  
 • Dimensions in parentheses are in millimeters.