

400 Series

Tilt-Wash Double-Hung Full-Frame Windows



Rough Opening		1'-10 $\frac{1}{8}$ " (562)	2'-2 $\frac{1}{8}$ " (664)	2'-6 $\frac{1}{8}$ " (765)	2'-8 $\frac{1}{8}$ " (816)	2'-10 $\frac{1}{8}$ " (867)	3'-0 $\frac{1}{8}$ " (918)	3'-2 $\frac{1}{8}$ " (968)	3'-6 $\frac{1}{8}$ " (1070)	3'-10 $\frac{1}{8}$ " (1172)
Unit Dimension		1'-9 $\frac{3}{8}$ " (549)	2'-1 $\frac{3}{8}$ " (651)	2'-5 $\frac{3}{8}$ " (752)	2'-7 $\frac{3}{8}$ " (803)	2'-9 $\frac{3}{8}$ " (854)	2'-11 $\frac{3}{8}$ " (905)	3'-1 $\frac{3}{8}$ " (956)	3'-5 $\frac{3}{8}$ " (1057)	3'-9 $\frac{3}{8}$ " (1159)
Tilt-Wash Double-Hung Full-Frame Windows (TW)										
3'-0 $\frac{3}{8}$ " (936)										
3'-4 $\frac{1}{8}$ " (1038)										
3'-8 $\frac{1}{8}$ " (1139)										
4'-0 $\frac{1}{8}$ " (1241)										
4'-4 $\frac{1}{8}$ " (1342)										
4'-8 $\frac{1}{8}$ " (1444)										
5'-0 $\frac{1}{8}$ " (1546)										
5'-4 $\frac{1}{8}$ " (1647)										
5'-8 $\frac{1}{8}$ " (1749)										
6'-0 $\frac{1}{8}$ " (1850)										

Taller sizes continue on page 02

Notes:

"Unit Dimension" always refers to outside frame to frame dimension.

"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.

♦ Meet or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

Date: 05/29/20

Scale: 1/8" (3) = 1' (305)

400 Series

Tilt-Wash Double-Hung Full-Frame Windows



Rough Opening Unit Dimension		1'-10 $\frac{1}{8}$ " (562)	2'-2 $\frac{1}{8}$ " (664)	2'-6 $\frac{1}{8}$ " (765)	2'-8 $\frac{1}{8}$ " (816)	2'-10 $\frac{1}{8}$ " (867)	3'-0 $\frac{1}{8}$ " (918)	3'-2 $\frac{1}{8}$ " (968)	3'-6 $\frac{1}{8}$ " (1070)	3'-10 $\frac{1}{8}$ " (1172)
		1'-9 $\frac{5}{8}$ " (549)	2'-1 $\frac{3}{8}$ " (651)	2'-5 $\frac{5}{8}$ " (752)	2'-7 $\frac{5}{8}$ " (803)	2'-9 $\frac{5}{8}$ " (854)	2'-11 $\frac{5}{8}$ " (905)	3'-1 $\frac{3}{8}$ " (956)	3'-5 $\frac{5}{8}$ " (1057)	3'-9 $\frac{5}{8}$ " (1159)
Tilt-Wash Double-Hung Full-Frame Windows (TW)										
Continuation from page 01										
6'-4 $\frac{1}{8}$ " (1952)	6'-4 $\frac{1}{8}$ " (1952)									
		TW1862	TW2062	TW2462 ♦	TW2662 ♦	TW2862 ♦	TW21062 ♦	TW3062 ♦	TW3462 ♦	TW3862 ♦
7'-4 $\frac{1}{8}$ " (2257)	7'-4 $\frac{1}{8}$ " (2257)									
		TW1872	TW2072 ♦	TW2472 ♦	TW2672 ♦	TW2872 ♦	TW21072 ♦	TW3072 ♦	TW3472 ♦	TW3872 ♦
7'-8 $\frac{1}{8}$ " (2358)	7'-8 $\frac{1}{8}$ " (2358)									
		TW1876	TW2076 ♦	TW2476 ♦	TW2676 ♦	TW2876 ♦	TW21076 ♦	TW3076 ♦	TW3476 ♦	TW3876 ♦

























































Notes:

"Unit Dimension" always refers to outside frame to frame dimension.
"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.
♦ Meet or exceed clear opening area of 5.7 sq. ft. or 0.53 m², clear opening width of 20" (508) and clear opening height of 24" (610).

Date: 05/29/20
Scale: 1/8" (3) = 1' (305)

400 Series

Tilt-Wash Picture Windows

		Rough Opening						Unit Dimension	
		1'-0 $\frac{1}{2}$ " (318)	3'-2 $\frac{1}{8}$ " (968)	3'-6 $\frac{1}{8}$ " (1070)	3'-11 $\frac{13}{16}$ " (1214)	4'-3 $\frac{13}{16}$ " (1316)	4'-11 $\frac{13}{16}$ " (1519)	5'-7 $\frac{13}{16}$ " (1722)	
		1'-0" (305)	3'-1 $\frac{1}{8}$ " (956)	3'-5 $\frac{3}{8}$ " (1057)	3'-11 $\frac{3}{16}$ " (1202)	4'-3 $\frac{3}{16}$ " (1303)	4'-11 $\frac{3}{16}$ " (1507)	5'-7 $\frac{3}{16}$ " (1710)	
Tilt-Wash Picture Windows (DHP)									
3'-11 $\frac{5}{8}$ " (1209)									
4'-4 $\frac{1}{8}$ " (1342)									
4'-8 $\frac{1}{8}$ " (1444)									
5'-0 $\frac{1}{8}$ " (1546)									
5'-4 $\frac{1}{8}$ " (1647)									
5'-8 $\frac{1}{8}$ " (1749)									
6'-0 $\frac{1}{8}$ " (1850)									
6'-4 $\frac{1}{8}$ " (1952)									

Notes:

"Unit Dimension" always refers to outside frame to frame dimension.

"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.

Date: 05/29/20

Scale: 1/8" (3) = 1' (305)

400 Series

Tilt-Wash Transom Windows

		Rough Opening									
		1'-10 ⁷ / ₈ " (562)	2'-2 ¹ / ₈ " (664)	2'-6 ¹ / ₈ " (765)	2'-8 ¹ / ₈ " (816)	2'-10 ¹ / ₈ " (867)	3'-0 ¹ / ₈ " (918)	3'-2 ¹ / ₈ " (968)	3'-6 ¹ / ₈ " (1070)	3'-10 ¹ / ₈ " (1172)	
		1'-9 ⁵ / ₈ " (549)	2'-1 ³ / ₈ " (651)	2'-5 ⁵ / ₈ " (752)	2'-7 ⁵ / ₈ " (803)	2'-9 ⁵ / ₈ " (854)	2'-11 ⁵ / ₈ " (905)	3'-1 ³ / ₈ " (956)	3'-5 ⁵ / ₈ " (1057)	3'-9 ⁵ / ₈ " (1159)	
		Unit Dimension									
		1'-0 ¹ / ₂ " (317)	1'-7 ¹ / ₈ " (505)	1'-7 ¹ / ₈ " (505)	1'-7 ¹ / ₈ " (505)	1'-7 ¹ / ₈ " (505)	1'-7 ¹ / ₈ " (505)	1'-7 ¹ / ₈ " (505)	1'-7 ¹ / ₈ " (505)	1'-7 ¹ / ₈ " (505)	
		1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	1'-0"	
Tilt-Wash Transom Windows (TWT)											
											
		TWT1810	TWT2010	TWT2410	TWT2610	TWT2810	TWT21010	TWT3010	TWT3410	TWT3810	
											
		TWT1815	TWT2015	TWT2415	TWT2615	TWT2815	TWT21015	TWT3015	TWT3415	TWT3815	
											
		TWT1817	TWT2017	TWT2417	TWT2617	TWT2817	TWT21017	TWT3017	TWT3417	TWT3817	
											
		TWT18111	TWT20111	TWT24111	TWT26111	TWT28111	TWT210111	TWT30111	TWT34111	TWT38111	
											
		TWT1821	TWT2021	TWT2421	TWT2621	TWT2821	TWT21021	TWT3021	TWT3421	TWT3821	
											
		TWT1823	TWT2023	TWT2423	TWT2623	TWT2823	TWT21023	TWT3023	TWT3423	TWT3823	
											
		TWT1827	TWT2027	TWT2427	TWT2627	TWT2827	TWT21027	TWT3027	TWT3427	TWT3827	
											
		TWT1831	TWT2031	TWT2431	TWT2631	TWT2831	TWT21031	TWT3031	TWT3431	TWT3831	

		Rough Opening				
		3'-11 ¹ / ₈ " (1216)	4'-3 ³ / ₈ " (1318)	4'-11 ¹ / ₈ " (1521)	5'-7 ¹ / ₈ " (1724)	6'-3 ³ / ₈ " (1927)
		3'-11 ⁵ / ₁₆ " (1202)	4'-3 ⁵ / ₁₆ " (1303)	4'-11 ⁵ / ₁₆ " (1507)	5'-7 ⁵ / ₁₆ " (1710)	6'-3 ⁵ / ₁₆ " (1913)
		Unit Dimension				
		1'-0 ¹ / ₂ " (317)	1'-0"	1'-0"	1'-0"	1'-0"
Tilt-Wash Transom Windows (TWT)						
		TWT31010	TWT4210	TWT41010	TWT5610	TWT6210

Notes:

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Date: 05/29/20

Scale: 1/8" (3) = 1' (305)