

# 400 SERIES

## Tilt-Wash Double-Hung Full-Frame Reverse Cottage Windows

		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 $\frac{1}{8}$ " (549)	2'-1 $\frac{1}{8}$ " (651)	2'-5 $\frac{1}{8}$ " (752)	2'-7 $\frac{1}{8}$ " (803)	2'-9 $\frac{1}{8}$ " (854)	2'-11 $\frac{1}{8}$ " (905)	3'-1 $\frac{1}{8}$ " (956)	3'-5 $\frac{1}{8}$ " (1057)	3'-9 $\frac{1}{8}$ " (1159)
		Unit Dimension								
		Rough Opening								
Unit Dimension	Rough Opening	Tilt-Wash Double-Hung Full-Frame Reverse Cottage Windows (TW RC)								
		↓ ↑	↓ ↑	↓ ↑	↓ ↑	↓ ↑	↓ ↑	↓ ↑	↓ ↑	↓ ↑
4'-0 $\frac{1}{8}$ " (1241)	4'-0 $\frac{1}{8}$ " (1241)	TW18310RC	TW20310RC	TW24310RC	TW26310RC	TW28310RC	TW210310RC	TW30310RC	TW34310RC	TW38310RC
4'-4 $\frac{1}{8}$ " (1342)	4'-4 $\frac{1}{8}$ " (1342)	TW1842RC	TW2042RC	TW2442RC	TW2642RC	TW2842RC	TW21042RC	TW3042RC	TW3442RC	TW3842RC
4'-8 $\frac{1}{8}$ " (1444)	4'-8 $\frac{1}{8}$ " (1444)	TW1846RC	TW2046RC	TW2446RC	TW2646RC	TW2846RC	TW21046RC	TW3046RC	TW3446RC	TW3846RC
5'-0 $\frac{1}{8}$ " (1546)	5'-0 $\frac{1}{8}$ " (1546)	TW18410RC	TW20410RC	TW24410RC	TW26410RC	TW28410RC	TW210410RC	TW30410RC	TW34410RC	TW38410RC
5'-4 $\frac{1}{8}$ " (1647)	5'-4 $\frac{1}{8}$ " (1647)	TW1852RC	TW2052RC	TW2452RC	TW2652RC	TW2852RC	TW21052RC	TW3052RC	TW3452RC	TW3852RC
5'-8 $\frac{1}{8}$ " (1749)	5'-8 $\frac{1}{8}$ " (1749)	TW1856RC	TW2056RC	TW2456RC	TW2656RC	TW2856RC	TW21056RC	TW3056RC	TW3456RC	TW3856RC
6'-0 $\frac{1}{8}$ " (1850)	6'-0 $\frac{1}{8}$ " (1850)	TW18510RC	TW20510RC	TW24510RC	TW26510RC	TW28510RC	TW210510RC	TW30510RC	TW34510RC	TW38510RC
6'-4 $\frac{1}{8}$ " (1952)	6'-4 $\frac{1}{8}$ " (1952)	TW1862RC	TW2062RC	TW2462RC	TW2662RC	TW2862RC	TW21062RC	TW3062RC	TW3462RC	TW3862RC

### 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 m<sup>2</sup>, clear opening width of 20" (508) and clear opening height of 24" (610).

Date: 10/04/16

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

Tilt-Wash Picture Windows  
(Reverse Cottage Alignment)

Rough Opening Unit Dimension		1'-0½" (317)	3'-2⅛" (968)	3'-6⅞" (1070)	3'-11⅜" (1214)	4'-3⅜" (1316)	4'-11⅜" (1519)	5'-7⅜" (1722)
		1'-0" (305)	3'-1⅝" (956)	3'-5⅝" (1057)	3'-11⅝" (1202)	4'-3⅝" (1303)	4'-11⅝" (1507)	5'-7⅝" (1710)
Tilt-Wash Picture Windows - Reverse Cottage Alignment (DHP RC)								
3'-4⅞" (1038)								
3'-8⅞" (1139)								
3'-11⅝" (1209)								
4'-4⅞" (1342)								
4'-8⅞" (1444)								
5'-0⅞" (1546)								
5'-4⅞" (1647)								
5'-8⅞" (1749)								
6'-0⅞" (1850)								
6'-4⅞" (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: 10/04/16

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

# 400 SERIES

## Tilt-Wash Transom 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 $\frac{5}{8}$ " (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 Transom Windows (TWT)										
1'-0 $\frac{1}{2}$ " (317)	TWT1810	TWT2010	TWT2410	TWT2610	TWT2810	TWT21010	TWT3010	TWT3410	TWT3810	
1'-7 $\frac{1}{8}$ " (505)	TWT1815	TWT2015	TWT2415	TWT2615	TWT2815	TWT21015	TWT3015	TWT3415	TWT3815	
1'-9 $\frac{1}{8}$ " (556)	TWT1817	TWT2017	TWT2417	TWT2617	TWT2817	TWT21017	TWT3017	TWT3417	TWT3817	
1'-1 $\frac{1}{8}$ " (657)	TWT18111	TWT20111	TWT24111	TWT26111	TWT28111	TWT210111	TWT30111	TWT34111	TWT38111	
2'-3 $\frac{1}{8}$ " (708)	TWT1821	TWT2021	TWT2421	TWT2621	TWT2821	TWT21021	TWT3021	TWT3421	TWT3821	
2'-5 $\frac{1}{8}$ " (759)	TWT1823	TWT2023	TWT2423	TWT2623	TWT2823	TWT21023	TWT3023	TWT3423	TWT3823	
2'-9 $\frac{1}{8}$ " (860)	TWT1827	TWT2027	TWT2427	TWT2627	TWT2827	TWT21027	TWT3027	TWT3427	TWT3827	
3'-3 $\frac{1}{8}$ " (1013)	TWT1831	TWT2031	TWT2431	TWT2631	TWT2831	TWT21031	TWT3031	TWT3431	TWT3831	

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

### Notes:

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Dimensions in parentheses are in millimeters.

Date: 10/04/16

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