TILT-WASH DOUBLE-HUNG FULL-FRAME WINDOWS

CITY OF PORTLAND, MAINE — RESURGAM
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/12/17

Table of Tilt-Wash Double-Hung Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-9 5/8" (549)	2'-1 5/8" (651)	2'-5 5/8" (752)	2'-7 5/8" (803)	2'-9 5/8" (854)	2'-11 5/8" (905)	3'-1 5/8" (956)	3'-5 5/8" (1057)	3'-9 5/8" (1159)
Minimum Rough Opening	1'-10 1/8" (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" (917)	3'-2 1/8" (968)	3'-6 1/8" (1070)	3'-10 1/8" (1172)
Unobstructed Glass (lower sash only)	15" (381)	19" (483)	23" (584)	25" (635)	27" (686)	29" (737)	31" (787)	35" (889)	39" (991)
3'-0 7/8" (937) × 3'-0 7/8" (937) × 13 15/16" (354)	TW18210	TW20210	TW24210	TW26210	TW28210	TW210210	TW30210	TW34210	TW38210
3'-4 7/8" (1038) × 3'-4 7/8" (1038) × 15 15/16" (406)	TW1832	TW2032	TW2432	TW2632	TW2832	TW21032	TW3032	TW3432	TW3832
3'-8 7/8" (1140) × 3'-8 7/8" (1140) × 17 15/16" (456)	TW1836	TW2036	TW2436	TW2636	TW2836	TW21036	TW3036	TW3436	TW3836
4'-0 7/8" (1241) × 4'-0 7/8" (1241) × 19 15/16" (506)	TW18310	TW20310	TW24310	TW26310	TW28310	TW210310	TW30310	TW34310	TW38310
4'-4 7/8" (1343) × 4'-4 7/8" (1343) × 21 15/16" (557)	TW1842	TW2042	TW2442	TW2642	TW2842	TW21042	TW3042	TW3442	TW3842
4'-8 7/8" (1445) × 4'-8 7/8" (1445) × 23 15/16" (608)	TW1846	TW2046	TW2446	TW2646	TW2846	TW21046	TW3046◊	TW3446◊	TW3846◊
5'-0 7/8" (1546) × 5'-0 7/8" (1546) × 25 15/16" (659)	TW18410	TW20410	TW24410	TW26410	TW28410	TW210410◊	TW30410◊	TW34410◊	TW38410◊
5'-4 7/8" (1648) × 5'-4 7/8" (1648) × 27 15/16" (710)	TW1852	TW2052	TW2452	TW2652	TW2852◊	TW21052◊	TW3052◊	TW3452◊	TW3852◊
5'-8 7/8" (1749) × 5'-8 7/8" (1749) × 29 15/16" (760)	TW1856	TW2056	TW2456	TW2656◊	TW2856◊	TW21056◊	TW3056◊	TW3456◊	TW3856◊
6'-0 7/8" (1851) × 6'-0 7/8" (1851) × 31 15/16" (811)	TW18510	TW20510	TW24510◊	TW26510◊	TW28510◊	TW210510◊	TW30510◊	TW34510◊	TW38510◊
6'-4 7/8" (1953) × 6'-4 7/8" (1953) × 33 15/16" (862)	TW1862	TW2062	TW2462◊	TW2662◊	TW2862◊	TW21062◊	TW3062◊	TW3462◊	TW3862◊

continued on next page

Grille patterns shown on page 92.

Size tables for windows with cottage or reverse cottage sash are now available on andersenwindows.com.

Cottage and reverse cottage sash are available for most sizes in this chart.

◊ "Window Dimension" 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 pouring, brackets, fasteners or other items. See pages 288-289 for more details.
◊ 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). See Egress on page 90-91.

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Table of Tilt-Wash Double-Hung Window Sizes *(continued)*

Scale ⅛" (3) = 1'-0" (305) – 1:96

Window Dimension*	1'-9 5/8" (549)	2'-1 5/8" (651)	2'-5 5/8" (752)	2'-7 5/8" (803)	2'-9 5/8" (854)	2'-11 5/8" (905)	3'-1 5/8" (956)	3'-5 5/8" (1057)	3'-9 5/8" (1159)
Minimum Rough Opening*	1'-10 1/8" (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" (917)	3'-2 1/8" (968)	3'-6 1/8" (1070)	3'-10 1/8" (1172)
Unobstructed Glass (Roll-Screen only)	15" (381)	19" (483)	23" (584)	25" (635)	27" (686)	29" (737)	31" (787)	35" (889)	39" (991)
7'-4 7/8" (2257)	TW1872	TW2072◊	TW2472◊	TW2672◊	TW2872◊	TW21072◊	TW3072◊	TW3472◊	TW3872◊
7'-8 7/8" (2359)	TW1876	TW2076◊	TW2476◊	TW2676◊	TW2876◊	TW21076◊	TW3076◊	TW3476◊	TW3876◊

• "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.
See pages 288-289 for more details.
• Dimensions in parentheses are in millimeters.
◊ Meet minimum 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). See tables on pages 90-91.

Windows 7'-4 7/8" (2257) and 7'-8 7/8" (2359) high have interior and exterior brackets. Interior brackets, located on both sides of the check rail, must be flipped up for proper product performance.

Andersen® reinforced joining materials must be used when vertically joining 7'-4 7/8" (2257) and 7'-8 7/8" (2359) high windows.

Grille patterns shown on page 92.

Tilt-Wash Transom Window Area Specifications

Window Number	Glass Area Sq. Ft./(m²)		Overall Window Area Sq. Ft./(m²)	
TWT1810	0.53	(0.05)	1.80	(0.17)
TWT1815	1.32	(0.12)	2.90	(0.27)
TWT1817	1.52	(0.14)	3.20	(0.30)
TWT1821	1.94	(0.18)	3.80	(0.35)
TWT1823	2.15	(0.20)	4.10	(0.38)
TWT1829	2.35	(0.22)	4.40	(0.41)
TWT1827	2.77	(0.26)	5.00	(0.47)
TWT1833	3.39	(0.32)	5.90	(0.55)
TWT2010	0.70	(0.07)	2.14	(0.20)
TWT2015	1.67	(0.16)	3.44	(0.32)
TWT2017	1.93	(0.18)	3.79	(0.35)
TWT20111	2.46	(0.23)	4.50	(0.42)
TWT2021	2.72	(0.25)	4.86	(0.45)
TWT2023	2.98	(0.28)	5.22	(0.49)
TWT2027	3.51	(0.33)	5.93	(0.55)
TWT2031	4.30	(0.40)	7.00	(0.65)
TWT2410	0.85	(0.08)	2.47	(0.23)
TWT2415	2.02	(0.19)	3.97	(0.37)
TWT2417	2.34	(0.22)	4.38	(0.41)
TWT24111	2.98	(0.28)	5.21	(0.48)
TWT2421	3.28	(0.31)	5.62	(0.52)
TWT2423	3.61	(0.34)	6.03	(0.56)
TWT2427	4.25	(0.40)	6.85	(0.64)
TWT2431	5.21	(0.48)	8.09	(0.75)
TWT2610	0.93	(0.09)	2.84	(0.26)
TWT2615	2.19	(0.20)	4.24	(0.39)
TWT2617	2.54	(0.24)	4.68	(0.44)

Window Number	Glass Area Sq. Ft./(m²)		Overall Window Area Sq. Ft./(m²)	
TWT26111	3.23	(0.30)	5.56	(0.52)
TWT2621	3.58	(0.33)	6.00	(0.56)
TWT2623	3.93	(0.37)	6.44	(0.60)
TWT2627	4.62	(0.43)	7.32	(0.68)
TWT2631	5.66	(0.53)	8.63	(0.80)
TWT2810	1.00	(0.09)	2.60	(0.26)
TWT2815	2.37	(0.22)	4.51	(0.42)
TWT2817	2.74	(0.26)	4.98	(0.46)
TWT28111	3.49	(0.32)	5.91	(0.55)
TWT2821	3.87	(0.36)	6.36	(0.59)
TWT2823	4.24	(0.39)	6.84	(0.64)
TWT2827	4.99	(0.46)	7.78	(0.72)
TWT2831	6.12	(0.57)	9.18	(0.85)
TWT21010	1.07	(0.10)	2.97	(0.28)
TWT21015	2.55	(0.24)	4.78	(0.44)
TWT21017	2.95	(0.27)	5.27	(0.49)
TWT210111	3.75	(0.35)	6.26	(0.58)
TWT21021	4.16	(0.39)	6.76	(0.63)
TWT21023	4.56	(0.42)	7.25	(0.67)
TWT21027	5.36	(0.50)	8.24	(0.77)
TWT21031	6.57	(0.61)	9.73	(0.90)
TWT3010	1.15	(0.11)	3.14	(0.29)
TWT3015	2.72	(0.25)	5.05	(0.47)
TWT3017	3.15	(0.29)	5.57	(0.52)
TWT30111	4.01	(0.37)	6.61	(0.61)
TWT3021	4.44	(0.41)	7.14	(0.66)
TWT3023	4.87	(0.45)	7.66	(0.71)

Window Number	Glass Area Sq. Ft./(m²)		Overall Window Area Sq. Ft./(m²)	
TWT3027	5.73	(0.53)	8.70	(0.81)
TWT3031	7.02	(0.65)	10.27	(0.95)
TWT3410	1.30	(0.12)	3.47	(0.32)
TWT3415	3.07	(0.29)	5.58	(0.52)
TWT3417	3.56	(0.33)	6.16	(0.57)
TWT34111	4.53	(0.42)	7.32	(0.68)
TWT3421	5.02	(0.47)	7.89	(0.73)
TWT3423	5.50	(0.51)	8.47	(0.79)
TWT3427	6.47	(0.60)	9.63	(0.90)
TWT3431	7.93	(0.74)	11.36	(1.06)
TWT3810	1.45	(0.14)	3.80	(0.35)
TWT3815	3.42	(0.32)	6.12	(0.57)
TWT3817	3.97	(0.37)	6.75	(0.63)
TWT38111	5.05	(0.47)	8.02	(0.75)
TWT3821	5.59	(0.52)	8.65	(0.80)
TWT3823	6.13	(0.57)	9.29	(0.86)
TWT3827	7.21	(0.67)	10.55	(0.98)
TWT3831	8.84	(0.82)	12.46	(1.16)
TWT31010	1.51	(0.14)	3.94	(0.37)
TWT4210	1.66	(0.15)	4.26	(0.40)
TWT41010	1.95	(0.18)	4.94	(0.46)
TWT5610	2.25	(0.21)	5.61	(0.52)
TWT6210	2.55	(0.24)	6.28	(0.58)

• Dimensions in parentheses are in square meters.

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Tilt-Wash Double-Hung Window Opening and Area Specifications *(continued)*

Window Number	Clear Opening Area Sq. Ft./(m²)		Clear Opening in Full Open Position: Width Inches/(mm)		Height Inches/(mm)		Glass Area Sq. Ft./(m²)		Vent Area Sq. Ft./(m²)		Top of SubRoor to Top of Inside Sill Stop Inches/(mm)		Overall Window Area Sq. Ft./(m²)	
TW2856 ◊	6.27	(0.58)	29 7/8"	(759)	30 1/2"	(768)	11.22	(1.04)	6.30	(0.59)	16 1/2"	(418)	16.03	(1.49)
TW28510 ◊	6.69	(0.62)	29 7/8"	(759)	32 1/2"	(819)	11.97	(1.11)	6.71	(0.62)	12 1/2"	(317)	17.01	(1.58)
TW2862 ◊	7.10	(0.66)	29 7/8"	(759)	34 1/2"	(870)	12.72	(1.18)	7.13	(0.66)	8 1/2"	(215)	17.95	(1.67)
TW2872 ◊	8.35	(0.78)	29 7/8"	(759)	40 1/2"	(1022)	14.98	(1.39)	8.38	(0.78)	10 1/2"*	(260)*	20.75	(1.93)
TW2876 ◊	8.77	(0.81)	29 7/8"	(759)	42 1/2"	(1073)	15.72	(1.46)	8.80	(0.82)	6 1/2"*	(159)*	21.69	(2.01)
TW21021 ◊	3.13	(0.29)	31 7/8"	(809)	14 1/2"	(362)	5.62	(0.52)	3.18	(0.30)	48 1/2"	(1231)	9.12	(0.85)
TW21032 ◊	3.58	(0.33)	31 7/8"	(809)	16 1/2"	(412)	6.42	(0.60)	3.62	(0.34)	44 1/2"	(1130)	10.11	(0.94)
TW21036 ◊	4.04	(0.38)	31 7/8"	(809)	18 1/2"	(463)	7.23	(0.67)	4.06	(0.38)	40 1/2"	(1028)	11.10	(1.03)
TW21041 ◊	4.48	(0.42)	31 7/8"	(809)	20 1/2"	(514)	8.03	(0.75)	4.51	(0.42)	36 1/2"	(926)	12.09	(1.12)
TW21043 ◊	4.92	(0.46)	31 7/8"	(809)	22 1/2"	(565)	8.84	(0.82)	4.95	(0.46)	32 1/2"	(825)	13.08	(1.22)
TW21046 ◊	5.36	(0.50)	31 7/8"	(809)	24 1/2"	(616)	9.64	(0.90)	5.39	(0.50)	28 1/2"	(723)	14.07	(1.31)
TW21049 ◊	5.81	(0.54)	31 7/8"	(809)	26 1/2"	(666)	10.45	(0.97)	5.83	(0.54)	24 1/2"	(622)	15.05	(1.40)
TW21052 ◊	6.25	(0.58)	31 7/8"	(809)	28 1/2"	(717)	11.25	(1.05)	6.28	(0.58)	20 1/2"	(520)	16.04	(1.49)
TW21056 ◊	6.69	(0.62)	31 7/8"	(809)	30 1/2"	(768)	12.06	(1.12)	6.72	(0.62)	16 1/2"	(418)	17.03	(1.59)
TW21061 ◊	7.14	(0.66)	31 7/8"	(809)	32 1/2"	(819)	12.86	(1.20)	7.16	(0.67)	12 1/2"	(317)	18.02	(1.67)
TW21062 ◊	7.58	(0.70)	31 7/8"	(809)	34 1/2"	(870)	13.67	(1.27)	7.60	(0.71)	8 1/2"	(215)	19.01	(1.77)
TW21072 ◊	8.91	(0.83)	31 7/8"	(810)	40 1/2"	(1022)	16.08	(1.49)	8.94	(0.83)	10 1/2"*	(260)*	21.99	(2.04)
TW21076 ◊	9.35	(0.87)	31 7/8"	(810)	42 1/2"	(1073)	16.90	(1.57)	9.38	(0.87)	6 1/2"*	(159)*	22.98	(2.13)
TW30210	3.36	(0.31)	33 7/8"	(860)	14 1/2"	(362)	6.01	(0.56)	3.38	(0.31)	48 1/2"	(1231)	9.63	(0.90)
TW3032	3.82	(0.36)	33 7/8"	(860)	16 1/2"	(412)	6.87	(0.64)	3.85	(0.36)	44 1/2"	(1130)	10.67	(0.99)
TW3036	4.29	(0.40)	33 7/8"	(860)	18 1/2"	(463)	7.73	(0.72)	4.32	(0.40)	40 1/2"	(1028)	11.72	(1.09)
TW30310	4.76	(0.44)	33 7/8"	(860)	20 1/2"	(514)	8.59	(0.80)	4.79	(0.45)	36 1/2"	(926)	12.76	(1.19)
TW3042	5.23	(0.49)	33 7/8"	(860)	22 1/2"	(565)	9.45	(0.88)	5.26	(0.49)	32 1/2"	(825)	13.81	(1.28)
TW3046 ◊	5.70	(0.53)	33 7/8"	(860)	24 1/2"	(616)	10.31	(0.96)	5.73	(0.53)	28 1/2"	(723)	14.85	(1.38)
TW30410 ◊	6.17	(0.57)	33 7/8"	(860)	26 1/2"	(666)	11.17	(1.04)	6.20	(0.58)	24 1/2"	(622)	15.90	(1.48)
TW3052 ◊	6.64	(0.62)	33 7/8"	(860)	28 1/2"	(717)	12.03	(1.12)	6.67	(0.62)	20 1/2"	(520)	16.95	(1.58)
TW3056 ◊	7.11	(0.66)	33 7/8"	(860)	30 1/2"	(768)	12.89	(1.20)	7.14	(0.66)	16 1/2"	(418)	17.99	(1.67)
TW30510 ◊	7.58	(0.70)	33 7/8"	(860)	32 1/2"	(819)	13.75	(1.28)	7.61	(0.71)	12 1/2"	(317)	19.04	(1.77)
TW3062 ◊	8.05	(0.75)	33 7/8"	(860)	34 1/2"	(870)	14.61	(1.36)	8.08	(0.75)	8 1/2"	(215)	20.08	(1.87)
TW3072 ◊	9.47	(0.88)	33 7/8"	(860)	40 1/2"	(1022)	17.20	(1.60)	9.50	(0.88)	10 1/2"*	(260)*	23.22	(2.16)
TW3076 ◊	9.94	(0.92)	33 7/8"	(860)	42 1/2"	(1073)	18.06	(1.68)	9.97	(0.93)	6 1/2"*	(159)*	24.27	(2.25)
TW34210	3.74	(0.35)	37 7/8"	(962)	14 1/2"	(362)	6.79	(0.63)	3.78	(0.35)	48 1/2"	(1231)	10.65	(0.99)
TW3432	4.27	(0.40)	37 7/8"	(962)	16 1/2"	(412)	7.76	(0.72)	4.30	(0.40)	44 1/2"	(1130)	11.81	(1.10)
TW3436	4.80	(0.45)	37 7/8"	(962)	18 1/2"	(463)	8.73	(0.81)	4.83	(0.45)	40 1/2"	(1028)	12.97	(1.21)
TW34310	5.32	(0.49)	37 7/8"	(962)	20 1/2"	(514)	9.70	(0.90)	5.35	(0.50)	36 1/2"	(926)	14.12	(1.31)
TW3442	5.85	(0.54)	37 7/8"	(962)	22 1/2"	(565)	10.67	(0.99)	5.88	(0.55)	32 1/2"	(825)	15.28	(1.42)
TW3446 ◊	6.37	(0.59)	37 7/8"	(962)	24 1/2"	(616)	11.64	(1.08)	6.41	(0.60)	28 1/2"	(723)	16.43	(1.53)
TW34410 ◊	6.90	(0.64)	37 7/8"	(962)	26 1/2"	(666)	12.61	(1.17)	6.93	(0.64)	24 1/2"	(622)	17.59	(1.63)
TW3452 ◊	7.43	(0.69)	37 7/8"	(962)	28 1/2"	(717)	13.58	(1.26)	7.46	(0.69)	20 1/2"	(520)	18.75	(1.74)
TW3456 ◊	7.95	(0.74)	37 7/8"	(962)	30 1/2"	(768)	14.55	(1.35)	7.98	(0.74)	16 1/2"	(418)	19.90	(1.85)
TW34510 ◊	8.48	(0.79)	37 7/8"	(962)	32 1/2"	(819)	15.53	(1.44)	8.51	(0.79)	12 1/2"	(317)	21.06	(1.96)
TW3462 ◊	9.01	(0.84)	37 7/8"	(962)	34 1/2"	(870)	16.50	(1.53)	9.04	(0.84)	8 1/2"	(215)	22.22	(2.06)
TW3472 ◊	10.59	(0.98)	37 7/8"	(962)	40 1/2"	(1022)	19.42	(1.80)	10.62	(0.99)	10 1/2"*	(260)*	25.69	(2.39)
TW3476 ◊	11.11	(1.03)	37 7/8"	(962)	42 1/2"	(1073)	20.38	(1.89)	11.14	(1.04)	6 1/2"*	(159)*	26.85	(2.49)
TW38210	4.14	(0.39)	41 7/8"	(1064)	14 1/2"	(362)	7.56	(0.70)	4.17	(0.39)	48 1/2"	(1231)	11.68	(1.09)
TW3832	4.73	(0.44)	41 7/8"	(1064)	16 1/2"	(412)	8.64	(0.80)	4.76	(0.44)	44 1/2"	(1130)	12.94	(1.20)
TW3836	5.30	(0.49)	41 7/8"	(1064)	18 1/2"	(463)	9.72	(0.90)	5.34	(0.50)	40 1/2"	(1028)	14.21	(1.32)
TW38310	5.88	(0.55)	41 7/8"	(1064)	20 1/2"	(514)	10.81	(1.00)	5.92	(0.55)	36 1/2"	(926)	15.48	(1.44)
TW3842	6.47	(0.60)	41 7/8"	(1064)	22 1/2"	(565)	11.89	(1.11)	6.50	(0.60)	32 1/2"	(825)	16.75	(1.56)
TW3846 ◊	7.05	(0.66)	41 7/8"	(1064)	24 1/2"	(616)	12.97	(1.21)	7.08	(0.66)	28 1/2"	(723)	18.01	(1.67)
TW38410 ◊	7.63	(0.71)	41 7/8"	(1064)	26 1/2"	(666)	14.05	(1.31)	7.66	(0.71)	24 1/2"	(622)	19.28	(1.79)
TW3852 ◊	8.21	(0.76)	41 7/8"	(1064)	28 1/2"	(717)	15.14	(1.41)	8.25	(0.77)	20 1/2"	(520)	20.55	(1.91)
TW3856 ◊	8.79	(0.82)	41 7/8"	(1064)	30 1/2"	(768)	16.22	(1.51)	8.83	(0.82)	16 1/2"	(418)	21.62	(2.01)
TW38510 ◊	9.37	(0.87)	41 7/8"	(1064)	32 1/2"	(819)	17.30	(1.61)	9.41	(0.87)	12 1/2"	(317)	23.08	(2.14)
TW3862 ◊	9.96	(0.93)	41 7/8"	(1064)	34 1/2"	(870)	18.38	(1.71)	9.99	(0.93)	8 1/2"	(215)	24.35	(2.26)
TW3872 ◊	11.70	(1.09)	41 7/8"	(1064)	40 1/2"	(1022)	21.64	(2.01)	11.73	(1.09)	10 1/2"*	(260)*	28.18	(2.26)
TW3876 ◊	12.29	(1.14)	41 7/8"	(1064)	42 1/2"	(1073)	22.72	(2.11)	12.32	(1.14)	6 1/2"*	(159)*	29.43	(2.73)

* "Top of SubRoor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2" (2096) except for 7'-5" and 7'-9" heights which are calculated using a header height of 8' (2438).
• Dimensions in parentheses are in millimeters or square meters.
◊ 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).
*Calculated based upon a structural header height of 8' (2438).

Opening calculations change when using PG Upgrade sill stop. For opening specifications for windows with Stormwatch Protection visit **andersenwindows.com/openingspecs.**

For cottage and reverse cottage sash opening specifications, visit **andersenwindows.com/openingspecs.**

CITY OF PORTLAND, MAINE — RESURGAM
Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/12/17

Table of Tilt-Wash Transom and Double-Hung Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-7 1/2" (495)	1'-11 1/2" (597)	2'-3 1/2" (699)	2'-7 1/2" (800)	2'-11 1/2" (902)	3'-3 1/2" (1003)
Minimum Rough Opening	1'-8" (508)	2'-0" (610)	2'-4" (711)	2'-8" (813)	3'-0" (914)	3'-4" (1016)
Unobstructed Glass (lower sash only)	13 1/2" (343)	17 1/2" (445)	21 1/2" (546)	25 1/2" (648)	29 1/2" (749)	33 1/2" (851)
See Half Circle Grille	244CT18	244CT20	244CT24	244CT28	244CT30	244CT34
1'-11 1/2" (292) 1'-0" (305)	244FX1610	244FX2010	244FX2410	244FX2810	244FX3010	244FX3410
1'-5 1/2" (445) 1'-6" (457)	244FX1816	244FX2016	244FX2416	244FX2816	244FX3016	244FX3416
2'-11 1/2" (597) 2'-0" (610)	244FX1620	244FX2020	244FX2420	244FX2820	244FX3020	244FX3420
2'-11 1/2" (902) 3'-0" (914)	244DH1830	244DH2030	244DH2430	244DH2830	244DH3030	244DH3430
3'-5 1/2" (1054) 3'-6" (1067)	244DH1836	244DH2036	244DH2436	244DH2836	244DH3036	244DH3436
3'-11 1/2" (1207) 4'-0" (1219)	244DH1840	244DH2040	244DH2440	244DH2840	244DH3040	244DH3440
4'-5 1/2" (1359) 4'-6" (1372)	244DH1846	244DH2046	244DH2446	244DH2846	244DH3046	244DH3446
4'-8 1/2" (1435) 4'-9" (1448)	244DH1849	244DH2049	244DH2449	244DH2849	244DH3049◊	244DH3449◊
4'-11 1/2" (1511) 5'-0" (1524)	244DH1850	244DH2050	244DH2450	244DH2850	244DH3050◊	244DH3450◊
5'-5 1/2" (1664) 5'-6" (1676)	244DH1856	244DH2056	244DH2456	244DH2856◊	244DH3056◊	244DH3456◊
5'-11 1/2" (1816) 6'-0" (1829)	244DH1860	244DH2060	244DH2460	244DH2860◊	244DH3060◊	244DH3460◊

Table of Tilt-Wash Half Circle Window Sizes

Scale 1/8" (3) = 1'-0" (305) – 1:96

Window Dimension	1'-7 1/2" (495)	1'-11 1/2" (597)	2'-3 1/2" (699)	2'-7 1/2" (800)	2'-11 1/2" (902)	3'-3 1/2" (1003)
Minimum Rough Opening	1'-8" (508)	2'-0" (610)	2'-4" (711)	2'-8" (813)	3'-0" (914)	3'-4" (1016)
Unobstructed Glass	13 1/2" (343)	17 1/2" (445)	21 1/2" (546)	25 1/2" (648)	29 1/2" (749)	33 1/2" (851)
	1'-0 5/8" (321) 1'-1 1/8" (333) 6 5/8" (168) 244CT18	1'-2 1/2" (371) 1'-3 1/8" (384) 8 5/8" (219) 244CT20	1'-4 5/8" (422) 1'-5 1/8" (435) 10 5/8" (270) 244CT24	1'-6 5/8" (473) 1'-7 1/8" (486) 1'-0 5/8" (321) 244CT28	1'-8 5/8" (524) 1'-9 1/8" (537) 1'-2 5/8" (371) 244CT30	1'-10 5/8" (575) 1'-11 1/8" (587) 1'-4 5/8" (422) 244CT34

Grille patterns shown on page 225.

200 Series Tilt-Wash Double-Hung 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. See pages 288-289 for more details.
( ) 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). See table on page 225.

200 SE

CITY OF PORTLAND, MAINE — RESURGAM

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 05/12/17

Tilt-Wash Double-Hung Window Opening and Area Specifications

Window Number	Clear Opening Area Sq. Ft./(m²)		Clear Opening in Full Open Position: Width Inches/(mm)		Height Inches/(mm)		Glass Area Sq. Ft./(m²)		Vent Area Sq. Ft./(m²)		Top of Subfloor to Top of Inside Sill Stop Inches/(mm)		Overall Window Area Sq. Ft./(m²)	
244DH1830	1.72	(0.16)	16.56"	(421)	14.95"	(380)	2.56	(0.24)	1.72	(0.16)	48.56"	(1233)	4.81	(0.45)
244DH1836	2.06	(0.19)	16.56"	(421)	17.95"	(456)	3.12	(0.29)	2.06	(0.19)	42.56"	(1081)	5.62	(0.52)
244DH1840	2.41	(0.22)	16.56"	(421)	20.95"	(532)	3.69	(0.34)	2.41	(0.22)	36.56"	(929)	6.43	(0.60)
244DH1846	2.75	(0.26)	16.56"	(421)	23.95"	(608)	4.25	(0.40)	2.75	(0.26)	30.56"	(776)	7.24	(0.67)
244DH1849	2.93	(0.27)	16.56"	(421)	25.45"	(647)	4.53	(0.42)	2.93	(0.27)	27.56"	(700)	7.65	(0.71)
244DH1860	3.10	(0.29)	16.56"	(421)	26.95"	(685)	4.81	(0.45)	3.10	(0.29)	24.56"	(624)	8.06	(0.75)
244DH1866	3.44	(0.32)	16.56"	(421)	29.95"	(761)	5.37	(0.49)	3.44	(0.32)	18.56"	(471)	8.87	(0.82)
244DH1880	3.79	(0.35)	16.56"	(421)	32.95"	(837)	5.94	(0.55)	3.79	(0.35)	12.56"	(319)	9.68	(0.90)
244DH2030	2.14	(0.20)	20.56"	(522)	14.95"	(380)	3.32	(0.31)	2.14	(0.20)	48.56"	(1233)	5.79	(0.54)
244DH2036	2.56	(0.24)	20.56"	(522)	17.95"	(456)	4.05	(0.38)	2.56	(0.24)	42.56"	(1081)	6.77	(0.63)
244DH2040	2.99	(0.28)	20.56"	(522)	20.95"	(532)	4.78	(0.44)	2.99	(0.28)	36.56"	(929)	7.75	(0.72)
244DH2046	3.42	(0.32)	20.56"	(522)	23.95"	(608)	5.51	(0.51)	3.42	(0.32)	30.56"	(776)	8.73	(0.81)
244DH2049	3.63	(0.34)	20.56"	(522)	25.45"	(647)	5.88	(0.55)	3.63	(0.34)	27.56"	(700)	9.22	(0.86)
244DH2050	3.85	(0.36)	20.56"	(522)	26.95"	(685)	6.24	(0.58)	3.85	(0.36)	24.56"	(624)	9.71	(0.90)
244DH2056	4.28	(0.40)	20.56"	(522)	29.95"	(761)	6.97	(0.65)	4.28	(0.40)	18.56"	(471)	10.69	(0.99)
244DH2060	4.71	(0.44)	20.56"	(522)	32.95"	(837)	7.70	(0.72)	4.71	(0.44)	12.56"	(319)	11.67	(1.08)
244DH2430	2.55	(0.24)	24.56"	(624)	14.95"	(380)	4.08	(0.38)	2.55	(0.24)	48.56"	(1233)	6.78	(0.63)
244DH2436	3.06	(0.28)	24.56"	(624)	17.95"	(456)	4.98	(0.46)	3.06	(0.28)	42.56"	(1081)	7.93	(0.74)
244DH2440	3.57	(0.33)	24.56"	(624)	20.95"	(532)	5.88	(0.55)	3.57	(0.33)	36.56"	(929)	9.07	(0.84)
244DH2446	4.09	(0.38)	24.56"	(624)	23.95"	(608)	6.77	(0.63)	4.09	(0.38)	30.56"	(776)	10.22	(0.95)
244DH2449	4.34	(0.40)	24.56"	(624)	25.45"	(647)	7.22	(0.67)	4.34	(0.40)	27.56"	(700)	10.79	(1.00)
244DH2450	4.60	(0.43)	24.56"	(624)	26.95"	(685)	7.67	(0.71)	4.60	(0.43)	24.56"	(624)	11.36	(1.06)
244DH2456	5.11	(0.48)	24.56"	(624)	29.95"	(761)	8.56	(0.80)	5.11	(0.48)	18.56"	(471)	12.51	(1.16)
244DH2460	5.62	(0.52)	24.56"	(624)	32.95"	(837)	9.46	(0.88)	5.62	(0.52)	12.56"	(319)	13.65	(1.27)
244DH2830	2.97	(0.28)	28.56"	(725)	14.95"	(380)	4.84	(0.45)	2.97	(0.28)	48.56"	(1233)	7.77	(0.72)
244DH2836	3.56	(0.33)	28.56"	(725)	17.95"	(456)	5.91	(0.55)	3.56	(0.33)	42.56"	(1081)	9.08	(0.91)
244DH2840	4.16	(0.39)	28.56"	(725)	20.95"	(532)	6.97	(0.65)	4.16	(0.39)	36.56"	(929)	10.39	(0.97)
244DH2846	4.75	(0.44)	28.56"	(725)	23.95"	(608)	8.03	(0.75)	4.75	(0.44)	30.56"	(776)	11.70	(1.09)
244DH2849	5.05	(0.47)	28.56"	(725)	25.45"	(647)	8.56	(0.80)	5.05	(0.47)	27.56"	(700)	12.36	(1.15)
244DH2850	5.35	(0.50)	28.56"	(725)	26.95"	(685)	9.09	(0.84)	5.35	(0.50)	24.56"	(624)	13.02	(1.21)
244DH2856	5.94	(0.55)	28.56"	(725)	29.95"	(761)	10.16	(0.94)	5.94	(0.55)	18.56"	(471)	14.33	(1.33)
244DH2860	6.54	(0.61)	28.56"	(725)	32.95"	(837)	11.22	(1.04)	6.54	(0.61)	12.56"	(319)	15.64	(1.45)
244DH3030	3.38	(0.31)	32.56"	(827)	14.95"	(380)	5.60	(0.52)	3.38	(0.31)	48.56"	(1233)	8.75	(0.81)
244DH3036	4.06	(0.38)	32.56"	(827)	17.95"	(456)	6.83	(0.64)	4.06	(0.38)	42.56"	(1081)	10.23	(0.95)
244DH3040	4.74	(0.44)	32.56"	(827)	20.95"	(532)	8.06	(0.75)	4.74	(0.44)	36.56"	(929)	11.71	(1.09)
244DH3046	5.42	(0.50)	32.56"	(827)	23.95"	(608)	9.29	(0.86)	5.42	(0.50)	30.56"	(776)	13.19	(1.23)
244DH3049	5.76	(0.54)	32.56"	(827)	25.45"	(647)	9.91	(0.92)	5.76	(0.54)	27.56"	(700)	13.93	(1.29)
244DH3050	6.09	(0.57)	32.56"	(827)	26.95"	(685)	10.52	(0.98)	6.09	(0.57)	24.56"	(624)	14.67	(1.36)
244DH3056	6.77	(0.63)	32.56"	(827)	29.95"	(761)	11.75	(1.09)	6.77	(0.63)	18.56"	(471)	16.15	(1.50)
244DH3060	7.45	(0.69)	32.56"	(827)	32.95"	(837)	12.98	(1.21)	7.45	(0.69)	12.56"	(319)	17.63	(1.64)
244DH3430	3.80	(0.35)	36.56"	(929)	14.95"	(380)	6.36	(0.59)	3.80	(0.35)	48.56"	(1233)	9.74	(0.91)
244DH3436	4.56	(0.42)	36.56"	(929)	17.95"	(456)	7.76	(0.72)	4.56	(0.42)	42.56"	(1081)	11.38	(1.06)
244DH3440	5.32	(0.49)	36.56"	(929)	20.95"	(532)	9.16	(0.85)	5.32	(0.49)	36.56"	(929)	13.03	(1.21)
244DH3446	6.08	(0.57)	36.56"	(929)	23.95"	(608)	10.55	(0.98)	6.08	(0.57)	30.56"	(776)	14.68	(1.36)
244DH3449	6.46	(0.60)	36.56"	(929)	25.45"	(647)	11.25	(1.05)	6.46	(0.60)	27.56"	(700)	15.50	(1.44)
244DH3450	6.84	(0.64)	36.56"	(929)	26.95"	(685)	11.95	(1.11)	6.84	(0.64)	24.56"	(624)	16.32	(1.52)
244DH3456	7.61	(0.71)	36.56"	(929)	29.95"	(761)	13.34	(1.24)	7.61	(0.71)	18.56"	(471)	17.97	(1.67)
244DH3460	8.37	(0.78)	36.56"	(929)	32.95"	(837)	14.74	(1.37)	8.37	(0.78)	12.56"	(319)	19.61	(1.82)

Tilt-Wash Transom Window Specificati

Window Number	Glass Area Sq. Ft./(m²)		Overall Window Area Sq. Ft./(m²)	
244FX1810	0.52	(0.05)	1.56	(0.15)
244FX1816	1.05	(0.10)	2.37	(0.22)
244FX1820	1.64	(0.15)	3.18	(0.30)
244FX2010	0.67	(0.06)	1.88	(0.17)
244FX2016	1.40	(0.13)	2.86	(0.27)
244FX2020	2.13	(0.20)	3.84	(0.36)
244FX2410	0.82	(0.08)	2.20	(0.20)
244FX2416	1.72	(0.16)	3.34	(0.31)
244FX2420	2.61	(0.24)	4.49	(0.42)
244FX2810	0.97	(0.09)	2.52	(0.23)
244FX2816	2.04	(0.19)	3.83	(0.36)
244FX2820	3.10	(0.29)	5.14	(0.48)
244FX3010	1.13	(0.11)	2.84	(0.26)
244FX3016	2.36	(0.22)	4.31	(0.40)
244FX3020	3.59	(0.33)	5.79	(0.54)
244FX3410	1.28	(0.12)	3.15	(0.29)
244FX3416	2.68	(0.25)	4.80	(0.45)
244FX3420	4.07	(0.38)	6.45	(0.60)

Tilt-Wash Half Circle Area Specifications

Window Number	Glass Area Sq. Ft./(m²)		Overall Window Area Sq. Ft./(m²)	
244CR18	0.50	(0.05)	1.43	(0.13)
244CR20	0.84	(0.08)	1.98	(0.18)
244CR24	1.26	(0.12)	2.61	(0.24)
244CR28	1.77	(0.16)	3.33	(0.31)
244CR30	2.37	(0.22)	4.15	(0.39)
244CR34	3.06	(0.28)	5.04	(0.47)

* Dimensions in parentheses are in square meters.

* "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/4" (2096).
* Dimensions in parentheses are in millimeters or square meters.
ê 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).

Grille Patterns

Prairie A · Colonial · Prairie A · Colonial · Sunburst · Renaissance

Tilt-Wash Double-Hung

Tilt-Wash Transom

Tilt-Wash Picture

Tilt-Wash Half Circle

Specified equal light and custom patterns are also available. For more information on divided light see page 11 or visit andersenwindows.com/grilles.

Specified Equal Light Examples

Patterns are available for all units also in upper sash only (USO). **Number of lights and overall pattern varies with window size. Patterns are not available in all configurations.**