

200 SERIES

TILT-WASH DOUBLE-HUNG WINDOWS



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TILT-WASH DOUBLE-HUNG WINDOWS

Features

FRAME

- A** Exterior outer frame members are treated with water-repellent preservative and covered with a pre-formed rigid vinyl PVC cover, minimizing maintenance and providing an attractive appearance.
- B** Interior surfaces are unfinished pine. Low-maintenance prefinished white interiors are available.
- C** Full-perimeter installation flange makes installation easy and fast with little or no adjustment. It's fixed, seamless and integrated with the exterior frame.
- D** Flexible weatherstripping around all four sides is factory installed and provides a tight seal between the sash and frame.

GLASS

- E** Choose Low-E, Low-E SmartSun™ or dual-pane

insulating glass. Tempered glass and other glass options are available. Contact your Andersen supplier. (Glass option must be specified.)

A removable translucent film helps shield the glass from damage during delivery and construction and simplifies finishing at the jobsite.

- F** A rigid vinyl or PVC glazing bead, combined with high-grade silicone glazing bed, keeps the glass bonded firmly to the sash and helps minimize water and air infiltration.

SASH



A convenient tilt-wash design makes it easy to clean the window from the inside. An in-sash balancer minimizes the view of the jamb liner, maximizing the amount of wood in the frame. Window can be secured through the side jambs to stud walls without hitting balancer.

Accessories

Sold Separately.

FRAME

Extension Jambs

Standard jamb depth is 3 1/4". Extension jambs are available in unfinished pine or prefinished white. Some sizes may be veneered.

Factory-Applied Extension Jambs

Available in 4 9/16" and 6 9/16" sizes. Extension jambs can be factory-applied to either three sides (stool and apron application) or four sides (picture frame casing).

Non-Applied Extension Jambs

Non-applied extension jambs are available for the following wall depths: 4 9/16", 5 1/4", 6 9/16", 7 1/8"

Drywall Return

The Andersen® 200 Series double-hung window is available with a narrow 3" jamb depth with a flat interior surface for easy drywall return. Available in prefinished white only.

INSECT SCREENS

EXCLUSIVE

TruScene® Insect Screen

TruScene insect screens are made with a micro-fine stainless steel mesh that's one-third the diameter of our aluminum screen wire. They provide over 50% more clarity than our conventional insect screens. They also let more sunlight and fresh air into the home.

Conventional Insect Screen

Conventional insect screens have a long-lasting* fiberglass screen cloth with a charcoal finish.



Insect Screen Frames

Choose full insect screen or half insect screen. Half insect screen (shown above) allows ventilation without affecting the view from the upper sash. Frames are available in White and Sandtone colors to match product exteriors.

NEW

EXTERIOR TRIM

This product now available with Andersen Exterior Trim. See pages 141–144 for details.

* For complete information on our limited warranties, visit andersenwindows.com or contact your Andersen supplier.

CAUTION:

- Painting and staining may cause damage to rigid vinyl.
- Products in Sandtone color may be painted any color lighter than Terratone using quality oil-base or latex paint. Submit color samples to Andersen for approval when painting White. Submit color samples to Andersen for approval when painting Sandtone any color darker than Terratone.
- Creosote-based stains should not come in contact with Andersen products.
- Do not paint weatherstripping.
- Abrasive cleaners or solutions containing corrosive solvents should not be used on Andersen products.
- For vinyl painting instructions and preparation, contact your Andersen supplier.
- Andersen does not warrant the adhesion of paint to vinyl.

TWO-TONE OPTION

Andersen 200 Series tilt-wash double-hung windows are available with a two-tone color configuration, featuring a prefinished White interior and a Sandtone exterior. Some exterior components are visible from the interior. Corresponding picture and transom units, as well as grilles, are available to match.



Opening Control Device Kit

A kit is available, which limits raising the sash to less than 4 inches when the window is first opened. Available in stone and white. Shown engaged on 400 Series Tilt-Wash Double-Hung.

For more information about glass, patterned glass, grilles, TruScene® insect screen and installation accessories, see pages 12–32 or visit



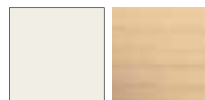
Exterior

Specify a unit exterior and interior option to complete your order.



White Sandtone

Interior



white pine

Naturally occurring variations in grain, color and texture make each wood sash one-of-a-kind.

Hardware

Lock & Keeper



Stone finish is standard with pine interior units. White finish comes with prefinished white interiors. Optional finishes include White, Stone, Black, Gold Dust, Bright Brass, Antique Brass, Oil Rubbed Bronze and Satin Nickel.

Classic Series™ Lifts

Sold Separately.



Available in **white** or stone finish.

Bold names denote finish shown.

Hardware Finishes



white stone black gold dust bright brass antique brass oil rubbed bronze satin nickel

Printing limitations prevent exact finish replication. See your Andersen supplier for actual finish samples.

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

Scale 1/8" = 1'-0" (1:96)

Window Dimension	1'-7 1/2"	1'-11 1/2"	2'-3 1/2"	2'-7 1/2"	2'-11 1/2"	3'-3 1/2"
Minimum Rough Opening	1'-8"	2'-0"	2'-4"	2'-8"	3'-0"	3'-4"
Unobstructed Glass (lower sash only)	13 1/2"	17 1/2"	21 1/2"	25 1/2"	29 1/2"	33 1/2"
See Circle Top™ chart						
1'-1 1/2"	244CT18	244CT20	244CT24	244CT28	244CT30	244CT34
	244FX1810	244FX2010	244FX2410	244FX2810	244FX3010	244FX3410
1'-5 1/2"	244FX1816	244FX2016	244FX2416	244FX2816	244FX3016	244FX3416
1'-11 1/2"	244FX1820	244FX2020	244FX2420	244FX2820	244FX3020	244FX3420
2'-1 1/2"	244DH1830	244DH2030	244DH2430	244DH2830	244DH3030	244DH3430
3'-5 1/2"	244DH1836	244DH2036	244DH2436	244DH2836	244DH3036	244DH3436
3'-11 1/2"	244DH1840	244DH2040	244DH2440	244DH2840	244DH3040	244DH3440
4'-5 1/2"	244DH1846	244DH2046	244DH2446	244DH2846	244DH3046	244DH3446
4'-8 1/2"	244DH1849	244DH2049	244DH2449	244DH2849	244DH3049 [◇]	244DH3449 [◇]
4'-11 1/2"	244DH1850	244DH2050	244DH2450	244DH2850	244DH3050 [◇]	244DH3450 [◇]
5'-5 1/2"	244DH1856	244DH2056	244DH2456	244DH2856 [◇]	244DH3056 [◇]	244DH3456 [◇]
5'-11 1/2"	244DH1860	244DH2060	244DH2460	244DH2860 [◇]	244DH3060 [◇]	244DH3460 [◇]

Table of Tilt-Wash Circle Top™ Window Sizes

Scale 1/8" = 1'-0" (1:96)

Window Dimension	1'-7 1/2"	1'-11 1/2"
Minimum Rough Opening	1'-8"	2'-0"
Unobstructed Glass	13 1/2"	17 1/2"
1'-0 5/8"		
	244CT18	244CT20
2'-3 1/2"		
	244CT24	244CT28
2'-11 1/2"		
	244CT30	244CT34

Divided light patterns
shown on page 223.

• "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 page 33 for more details.

◇ Meet or exceed clear opening area of 5.7 sq.ft., clear opening width of 20" and clear opening height of 24". See table on page 223.

TILT-WASH DOUBLE-HUNG WINDOWS

Table of Picture Window Sizes

Scale 1/8" = 1'-0" (1:96)

Window Dimension	2'-11 1/2"	3'-11 1/2"	4'-5 1/2"	4'-8 1/2"	4'-11 1/2"	5'-5 1/2"	5'-11 1/2"
Minimum Rough Opening	3'-0"	4'-0"	4'-6"	4'-9"	5'-0"	5'-6"	6'-0"
Unobstructed Glass	29 1/2"	41 1/2"	47 1/2"	50 1/2"	53 1/2"	59 1/2"	65 1/2"
2'-11 1/2"							
	244FX3030	244FX4030	244FX4630	244FX4930	244FX5030	244FX5630	244FX6030
3'-11 1/2"							
	244FX3040	244FX4040	244FX4640	244FX4940	244FX5040	244FX5640	244FX6040
4'-5 1/2"							
	244FX3046	244FX4046	244FX4646	244FX4946	244FX5046	244FX5646	244FX6046
4'-8 1/2"							
	244FX3049	244FX4049	244FX4649	244FX4949	244FX5049	244FX5649	244FX6049
4'-11 1/2"							
	244FX3050	244FX4050	244FX4650	244FX4950	244FX5050	244FX5650	244FX6050
5'-5 1/2"							
	244FX3056	244FX4056	244FX4656	244FX4956	244FX5056		
5'-11 1/2"							
	244FX3060	244FX4060	244FX4660	244FX4960	244FX5060		

Divided light patterns shown on page 223.

- "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 page 33 for more details.

Tilt-Wash Picture Glass/Window Area

Window Number	Glass Area Sq. Ft.	Overall Window Area Sq. Ft.
244FX3030	6.04	8.75
244FX3040	8.50	11.71
244FX3046	9.73	13.19
244FX3049	10.35	13.93
244FX3050	10.96	14.67
244FX3056	12.19	16.15
244FX3060	13.42	17.63
244FX4030	8.50	11.71
244FX4040	11.96	15.67
244FX4046	13.69	17.65
244FX4049	14.55	18.64
244FX4050	15.42	19.63
244FX4056	17.15	21.61
244FX4060	18.88	23.59
244FX4630	9.73	13.19

Window Number	Glass Area Sq. Ft.	Overall Window Area Sq. Ft.
244FX4640	13.69	17.65
244FX4646	15.67	19.88
244FX4649	16.66	21.00
244FX4650	17.65	22.11
244FX4656	19.63	24.34
244FX4660	21.61	26.56
244FX4930	10.35	13.93
244FX4940	14.55	18.64
244FX4946	16.66	21.00
244FX4949	17.71	22.17
244FX4950	18.76	23.35
244FX4956	20.87	25.70
244FX4960	22.97	28.05
244FX5030	10.96	14.67
244FX5040	15.42	19.63

Window Number	Glass Area Sq. Ft.	Overall Window Area Sq. Ft.
244FX5046	17.65	22.11
244FX5049	18.76	23.35
244FX5050	19.88	24.59
244FX5056	22.11	27.06
244FX5060	24.34	29.54
244FX5630	12.19	16.15
244FX5640	17.15	21.61
244FX5646	19.63	24.34
244FX5649	20.87	25.70
244FX5650	22.11	27.06
244FX6030	13.42	17.63
244FX6040	18.88	23.59
244FX6046	21.61	26.56
244FX6049	22.97	28.05
244FX6050	24.34	29.54

Tilt-Wash Double-Hung Window Opening Specifications

Window Number	Clear Opening in Full Open Position			Glass Area Sq. Ft.	Vent Sq. Ft.	Top of Subfloor to Top of Inside Sill Stop Inches	Overall Window Area Sq. Ft.
	Clear Opening Sq. Ft.	Width Inches	Height Inches				
244DH1830	1.72	16.56"	14.95"	2.56	1.72	48.56"	4.81
244DH1836	2.06	16.56"	17.95"	3.12	2.06	42.56"	5.62
244DH1840	2.41	16.56"	20.95"	3.69	2.41	36.56"	6.43
244DH1846	2.75	16.56"	23.95"	4.25	2.75	30.56"	7.24
244DH1849	2.93	16.56"	25.45"	4.53	2.93	27.56"	7.65
244DH1850	3.10	16.56"	26.95"	4.81	3.10	24.56"	8.06
244DH1856	3.44	16.56"	29.95"	5.37	3.44	18.56"	8.87
244DH1860	3.79	16.56"	32.95"	5.94	3.79	12.56"	9.68
244DH2030	2.14	20.56"	14.95"	3.32	2.14	48.56"	5.79
244DH2036	2.56	20.56"	17.95"	4.05	2.56	42.56"	6.77
244DH2040	2.99	20.56"	20.95"	4.78	2.99	36.56"	7.75
244DH2046	3.42	20.56"	23.95"	5.51	3.42	30.56"	8.73
244DH2049	3.63	20.56"	25.45"	5.88	3.63	27.56"	9.22
244DH2050	3.85	20.56"	26.95"	6.24	3.85	24.56"	9.71
244DH2056	4.28	20.56"	29.95"	6.97	4.28	18.56"	10.69
244DH2060	4.71	20.56"	32.95"	7.70	4.71	12.56"	11.67
244DH2430	2.55	24.56"	14.95"	4.08	2.55	48.56"	6.78
244DH2436	3.06	24.56"	17.95"	4.98	3.06	42.56"	7.93
244DH2440	3.57	24.56"	20.95"	5.88	3.57	36.56"	9.07
244DH2446	4.09	24.56"	23.95"	6.77	4.09	30.56"	10.22
244DH2449	4.34	24.56"	25.45"	7.22	4.34	27.56"	10.79
244DH2450	4.60	24.56"	26.95"	7.67	4.60	24.56"	11.36
244DH2456	5.11	24.56"	29.95"	8.56	5.11	18.56"	12.51
244DH2460	5.62	24.56"	32.95"	9.46	5.62	12.56"	13.65
244DH2830	2.97	28.56"	14.95"	4.84	2.97	48.56"	7.77
244DH2836	3.56	28.56"	17.95"	5.91	3.56	42.56"	9.08
244DH2840	4.16	28.56"	20.95"	6.97	4.16	36.56"	10.39
244DH2846	4.75	28.56"	23.95"	8.03	4.75	30.56"	11.70
244DH2849	5.05	28.56"	25.45"	8.56	5.05	27.56"	12.36
244DH2850	5.35	28.56"	26.95"	9.09	5.35	24.56"	13.02
244DH2856 ◊	5.94	28.56"	29.95"	10.16	5.94	18.56"	14.33
244DH2860 ◊	6.54	28.56"	32.95"	11.22	6.54	12.56"	15.64
244DH3030	3.38	32.56"	14.95"	5.60	3.38	48.56"	8.75
244DH3036	4.06	32.56"	17.95"	6.83	4.06	42.56"	10.23
244DH3040	4.74	32.56"	20.95"	8.06	4.74	36.56"	11.71
244DH3046	5.42	32.56"	23.95"	9.29	5.42	30.56"	13.19
244DH3049 ◊	5.76	32.56"	25.45"	9.91	5.76	27.56"	13.93
244DH3050 ◊	6.09	32.56"	26.95"	10.52	6.09	24.56"	14.67
244DH3056 ◊	6.77	32.56"	29.95"	11.75	6.77	18.56"	16.15
244DH3060 ◊	7.45	32.56"	32.95"	12.98	7.45	12.56"	17.63
244DH3430	3.80	36.56"	14.95"	6.36	3.80	48.56"	9.74
244DH3436	4.56	36.56"	17.95"	7.76	4.56	42.56"	11.38
244DH3440	5.32	36.56"	20.95"	9.16	5.32	36.56"	13.03
244DH3446	6.08	36.56"	23.95"	10.55	6.08	30.56"	14.68
244DH3449 ◊	6.46	36.56"	25.45"	11.25	6.46	27.56"	15.50
244DH3450 ◊	6.84	36.56"	26.95"	11.95	6.84	24.56"	16.32
244DH3456 ◊	7.61	36.56"	29.95"	13.34	7.61	18.56"	17.97
244DH3460 ◊	8.37	36.56"	32.95"	14.74	8.37	12.56"	19.61

Transom Glass/Window Area

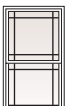
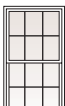
Window Number	Glass Area Sq. Ft.	Overall Window Area Sq. Ft.
244FX1810	0.52	1.56
244FX2010	0.67	1.88
244FX2410	0.82	2.20
244FX2810	0.97	2.52
244FX3010	1.13	2.84
244FX3410	1.28	3.15
244FX1816	1.08	2.37
244FX2016	1.40	2.86
244FX2416	1.72	3.34
244FX2816	2.04	3.83
244FX3016	2.36	4.31
244FX3416	2.68	4.80
244FX1820	1.64	3.18
244FX2020	2.13	3.84
244FX2420	2.61	4.49
244FX2820	3.10	5.14
244FX3020	3.59	5.79
244FX3420	4.07	6.45

Circle Top™ Glass/Window Area

Window Number	Glass Area Sq. Ft.	Overall Window Area Sq. Ft.
244CT18	0.50	1.43
244CT20	0.84	1.98
244CT24	1.26	2.61
244CT28	1.77	3.33
244CT30	2.37	4.15
244CT34	3.06	5.04

• "Top of Subfloor to Top of Inside Sill Stop" is calculated based upon a structural header height of 6'-10 1/2".
 ◊ Meet or exceed clear opening area of 5.7 sq. ft., clear opening width of 20" and clear opening height of 24".

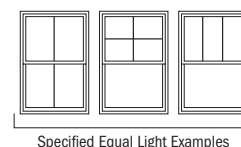
Divided Light Patterns

	Prairie A	Colonial	Prairie A	Colonial	Sunburst	Renaissance
Tilt-Wash Double-Hung			Tilt-Wash Transom		Tilt-Wash Circle Top™	
Tilt-Wash Picture						

Number of lights and overall pattern varies with window size. Patterns are not available in all configurations.

Patterns are available for all units also in upper sash only (USO).

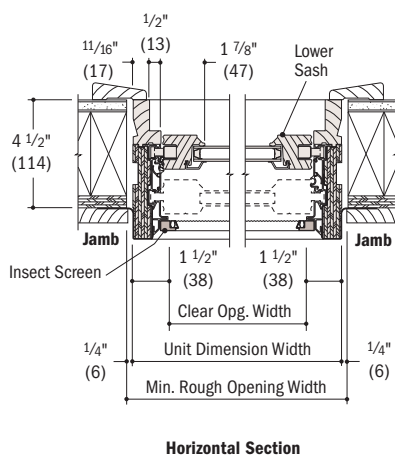
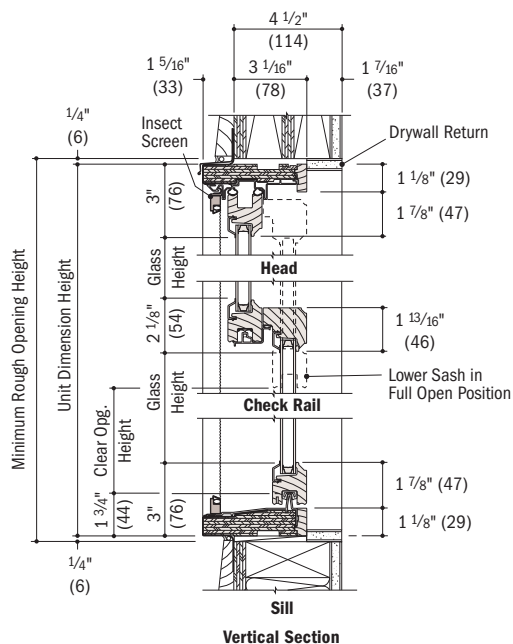
Specified equal light and custom patterns are also available. For more information on divided light see page 13 or visit andersenwindows.com/grilles.



TILT-WASH DOUBLE-HUNG WINDOWS

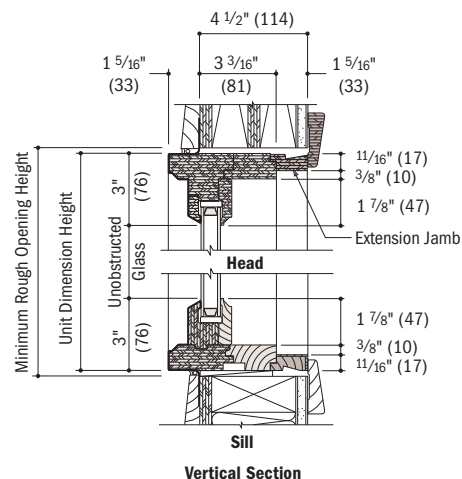
Tilt-Wash Double-Hung Window Details

Scale 1 1/2" = 1'-0" (1:8)



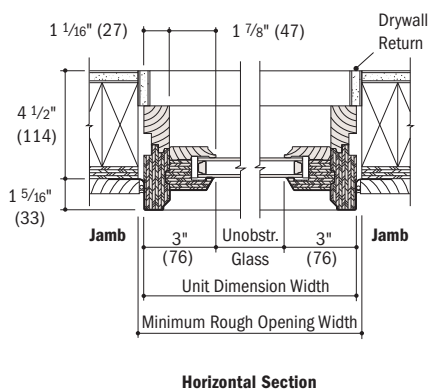
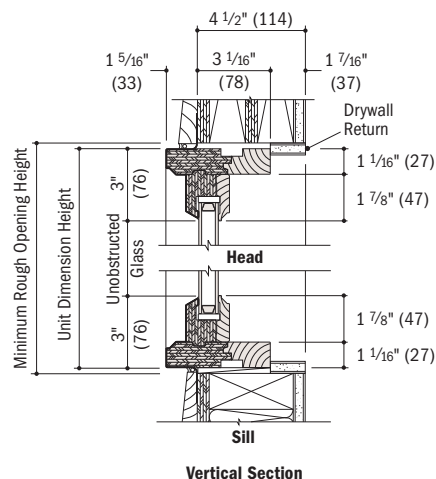
Tilt Wash Circle Top™ Window Detail

Scale 1 1/2" = 1'-0" (1:8)



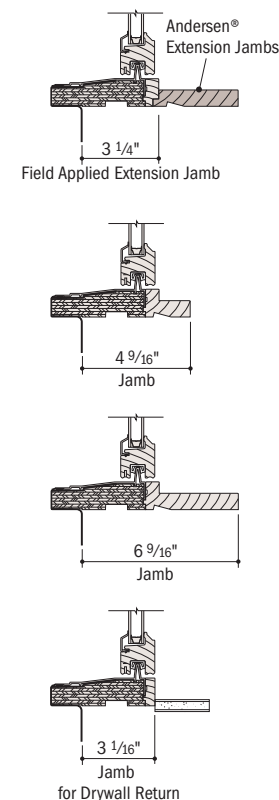
Tilt-Wash Picture/Transom Window Details

Scale 1 1/2" = 1'-0" (1:8)



Extension Jamb Details

Scale 1 1/2" = 1'-0" (1:8)



Vertical (ribbon) Non-Reinforced Joining Detail

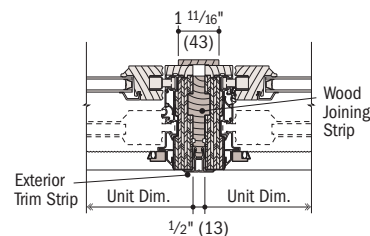
Scale 1 1/2" = 1'-0" (1:8)

Overall Window Dimension Width

Sum of individual window widths plus 1/2" for each join.

Overall Rough Opening Width

Overall window dimension width plus 1/2".



Horizontal Section

Tilt-Wash Double-Hung to Tilt-Wash Double-Hung

For more joining information see the combination design section starting on page 259.

- Light-colored areas are parts included with window. Dark-colored areas are additional Andersen® parts required to complete window assembly as shown.
- Rough openings may need to be increased to allow for use of building wraps, flashing, sill panning, brackets, fasteners or other items. See installation information on page 33.
- Details are for illustration only and are not intended to represent product installation methods or materials. Refer to product installation guides at andersenwindows.com.
- Consult with an architect or structural engineer regarding minimum requirements for structural support members between adjacent rough openings.