

ALSIDE NEW CONSTRUCTION

1900 SERIES WINDOW COLLECTION

SIZE GUIDE



Alside®

TABLE OF CONTENTS

- 3 Specifications
- 4 Quick Spec Guide
- 5 Single-Hung – Model 1900
- 14 Twin Single-Hung – Model 1920
- 22 Triple Single-Hung – Model 1930
- 27 Picture Window – Model 1904
- 40 Single-Sliding Window – Model 1902
- 46 3-Lite Sliding (Q/H/Q) – Model 1903
- 49 3-Lite Sliding (Equal-Lite) – Model 1909
- 52 Double-Hung – Model 1901
- 61 Twin Double-Hung – Model 1921
- 66 Triple Double-Hung – Model 1931
- 70 Double-Hung Picture Window – Model 1914





Materials

The rigid, extruded vinyl profiles comply with the performance standards of AAMA 303-97. The color extends through the profile extrusion of White, Beige and Classic Clay. In addition to the three standard vinyl colors, seven exterior painted options are also available. This product is not available in the Western United States.

Frame and Sash

All frame and sashes are assembled using mitered and fusion-welding technology for added strength and durability. The single-hung frame jamb depth is 2-7/8" and 3-1/2" for the double-hung model. The frame incorporates an integral pre-punched nailing fin with sloped sill to promote water runoff. Weep holes are included on the frame to ensure standing water is directed to the exterior plane of the unit. An interior accessory groove is standard to accommodate various frame accessory and assembly options on the product. The sash system has an extruded lift rail and a full interlock with reinforced locking rail for added strength and security. The multi-chambered profile design with double-barrier, heavy-duty fin seal weatherstripping provides improved energy efficiency and increased noise reduction.

Glazing

The 3/4" insulated glass unit consists of two panes of glass sealed around a warm-edge spacer system. The glass is mounted into the sash using a closed-cell foam tape with acrylic adhesive. The insulating glass units comply with the performance requirements of the IGCC.

Glazing Options

3/4" insulated glass is available in clear, Low-E and Low-E with argon, tinted, obscure and laminated insulated glass packages. Many glass options are available in tempered glazing.

Weatherstripping

A heavy-duty, double-barrier fin seal weatherstrip is applied along dual full perimeters of the operating sash to help block air, water and dust infiltration. A high-performance foam filled weatherstrip is used on the bottom rail to provide maximum performance and protection against water infiltration.

Hardware

Single-action, color-coordinated cam style locks with slotted keeper come on all operable windows. A block and tackle balance system is utilized to support the vertical operable sashes and provide easy operation when raising and lowering sashes. Low profile tilt latches and pivot pins are equipped for utilization of the "tilt" function. Vent latches come standard on single-hung windows. An ADA compliant lock option and Window Opening Control Device (WOCD) is also available.

Insect Screens

The optional, overlay, full view fiberglass insect screen is set in aluminum frame to match the color of the unit. Insect screens are intended to allow air and light in and keep insects out. They are not intended to keep anyone or anything from falling through an open door or window.

Grids

Internal grids are available in 5/8" flat, 3/4" contoured or 1" contoured styles. The internal grids are available to be color-matched to the vinyl extrusion or exterior paint colors.

Extension Jambs

Extension jambs are available for the 1900 Series products. Primed wood jamb extensions are available in support of four construction wall depths: 4 9/16", 6 9/16", 7 1/16" and 7 9/16".

Additional Accessories

Please contact your sales representative or local building supply house for a complete listing of additional accessories.

Installation

Proper installation instructions for the 1900 Series vinyl products can be located at www.alsidewindows.net

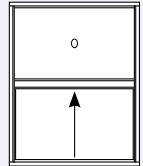
Performance

All 1900 Series products are rated and labeled in accordance with NFRC requirements. All 1900 Series products are tested and certified to AAMA requirements. Please refer to www.aamanet.org for details

1900 SERIES WINDOW WITH NAILING FIN

Specifications	Standard Features	Optional Features Some options may require additional lead times, consult with your sales representative.	
Models / Configurations <i>Single-Hung</i>	Single-Hung 3-Lite Sliding (Q/H/Q) Picture Window 3-Lite Sliding (Equal-Lite) 2-Lite Single-Sliding	Single Mainframe • Twin Single-Hung • Triple Single-Hung	Special Shapes Single-Hung Round Top
Models / Configurations <i>Double-Hung</i>	Double-Hung Picture Window	Single Mainframe • Twin Double-Hung • Triple Double-Hung	Special Shapes
Color	White	Vinyl: Beige, Classic Clay	Exterior paint: Desert Clay, Castle Gray, Hudson Khaki, American Terra, English Red, Architectural Bronze, Forest Green
Frame <i>Single-Hung and Double-Hung</i>	Integral Brickmould J-channel with 1" Nail Fin Setback and 4° sloped sill		
Glazing	Dual glaze Clear / Clear insulated glass unit	Low-E Low-E w/argon SHGC Low-E SHGC Low-E w/argon 4th Surface Low-E	Laminated (Non-impact) Bronze Tint Grey Tint Obscure #62 Tempered
Hardware	Cam lock and slotted keeper Tilt Latch Vent Latch	ADA compliant lock Window Opening Control Device (WOCD)	
Hardware Color	White	Beige, Classic Clay	
Balance System	Block and Tackle		
Screen Mesh	Fiberglass	Aluminum	
Screen Frame Color	White	Beige, Classic Clay	
Grids (Between the Glass)		5/8" Flat 3/4" Contoured 1" Contoured	
Grid Patterns		Colonial Single Prairie Single Perimeter Craftsman	
Jamb Depth <i>Single-Hung</i> <i>Double-Hung</i>	2-7/8" 3-1/2"	4-9/16" Primed Wood Jamb Extension 6-9/16" Primed Wood Jamb Extension 7-1/16" Primed Wood Jamb Extension 7-9/16" Primed Wood Jamb Extension	
Additional Features		Drywall pass-through 1/2" and 5/8" Drywall Return	

SINGLE-HUNG – MODEL 1900



Size Limitations			
	Width	Height	U.I.
Min	14.25"	25"	
Max	48"	96"	144"
	52"	84"	

Actual Window Size Formulas – Per Opening	
Actual Window Width	Actual Window Height
Rough Opening – 0.5"	Rough Opening – 0.5"

Exterior Dimension W/J-Channel Formulas – Per Opening	
Exterior Dimension Width	Exterior Dimension Height
Rough Opening + 1"	Rough Opening + 1"

Clear Opening Formulas – Per Opening	
Clear Opening Width (COW)	Clear Opening Height (COH)
FW – 4.5"	FH/2 – 3"

Clear Opening / Egress Square Foot Formula
Clear Opening Width x Clear Opening Height / 144

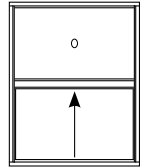
Visible Glass Formulas – Per Opening	
Visible Glass Width (VGW)	Visible Glass Height (VGH)
FW – 4.625"	FH/2 – 3.25"

Total Visible Glass Square Foot Formula
Visible Glass Width x Visible Glass Height / 144

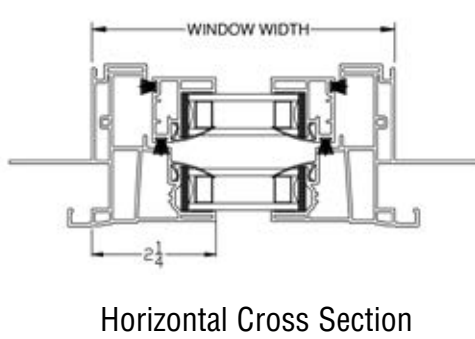
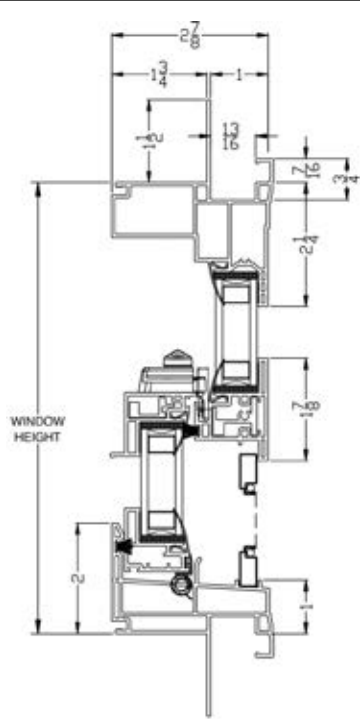
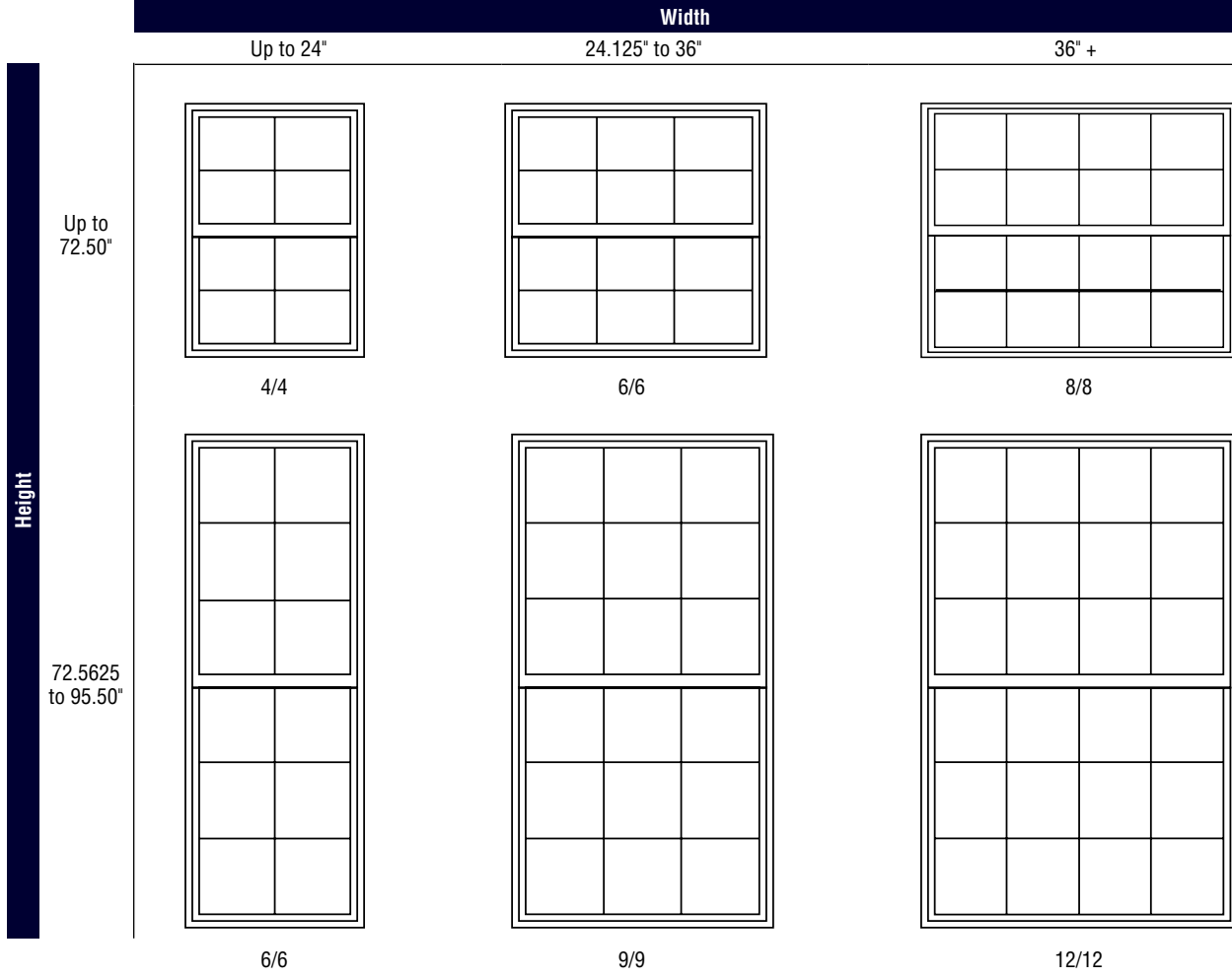
Egress/Clear Opening Size Reference Chart															
		Actual Window Width													
		17.50	19.50	23.50	27.50	29.50	31.50	35.50	37.50	39.50	41.50	43.50	47.50	49.50	51.50
Actual Window Height	27.50														
	33.50														
	35.50														
	37.50														
	39.50														
	41.50														
	43.50														
	45.50														
	47.50														
	49.50														
	51.50														
	53.50														
	55.50										•	•	•	•	
	59.50								•	•	•	•	•	•	•
	61.50								•	•	•	•	•	•	•
	63.50								•	•	•	•	•	•	•
	65.50								•	•	•	•	•	•	•
	71.50							•	•	•	•	•	•	•	•
	73.50					•	•	•	•	•	•	•	•	•	•
77.50				•	•	•	•	•	•	•	•	•	•	•	
83.50				•	•	•	•	•	•	•	•	•	•	†•	
†89.50				•	•	•	•	•	•	•	•	•	•	†•	
†95.50				•	•	•	•	•	•	•	•	•	•		

Egress/clear opening criteria is a minimum 20" net opening width, minimum 24" net opening height and minimum 5.7 sq. ft. opening area.
 † Denotes window only available in an oriel configuration. Window may not meet egress requirements. Contact Customer Service for verification.

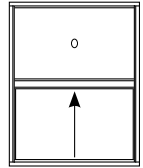
SINGLE-HUNG – MODEL 1900



Default Colonial Grid Pattern – Full



SINGLE-HUNG – MODEL 1900

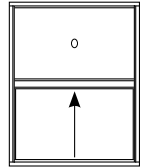


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
1/6 x 3/0	17.50 x 35.50	18.50 x 36.50	18.00 x 36.00	13.00 x 14.75	1.33	12.88 x 14.50	1.30	4/4
1/6 x 3/2	17.50 x 37.50	18.50 x 38.50	18.00 x 38.00	13.00 x 15.75	1.42	12.88 x 15.50	1.39	4/4
1/6 x 3/4	17.50 x 39.50	18.50 x 40.50	18.00 x 40.00	13.00 x 16.75	1.51	12.88 x 16.50	1.48	4/4
1/6 x 3/6	17.50 x 41.50	18.50 x 42.50	18.00 x 42.00	13.00 x 17.75	1.60	12.88 x 17.50	1.56	4/4
1/6 x 3/8	17.50 x 43.50	18.50 x 44.50	18.00 x 44.00	13.00 x 18.75	1.69	12.88 x 18.50	1.65	4/4
1/6 x 3/10	17.50 x 45.50	18.50 x 46.50	18.00 x 46.00	13.00 x 19.75	1.78	12.88 x 19.50	1.74	4/4
1/6 x 4/0	17.50 x 47.50	18.50 x 48.50	18.00 x 48.00	13.00 x 20.75	1.87	12.88 x 20.50	1.83	4/4
1/6 x 4/2	17.50 x 49.50	18.50 x 50.50	18.00 x 50.00	13.00 x 21.75	1.96	12.88 x 21.50	1.92	4/4
1/6 x 4/4	17.50 x 51.50	18.50 x 52.50	18.00 x 52.00	13.00 x 22.75	2.05	12.88 x 22.50	2.01	4/4
1/6 x 4/6	17.50 x 53.50	18.50 x 54.50	18.00 x 54.00	13.00 x 23.75	2.14	12.88 x 23.50	2.10	4/4
1/6 x 4/8	17.50 x 55.50	18.50 x 56.50	18.00 x 56.00	13.00 x 24.75	2.23	12.88 x 24.50	2.19	4/4
1/6 x 5/0	17.50 x 59.50	18.50 x 60.50	18.00 x 60.00	13.00 x 26.75	2.41	12.88 x 26.50	2.37	4/4
1/6 x 5/2	17.50 x 61.50	18.50 x 62.50	18.00 x 62.00	13.00 x 27.75	2.51	12.88 x 27.50	2.46	4/4
1/6 x 5/4	17.50 x 63.50	18.50 x 64.50	18.00 x 64.00	13.00 x 28.75	2.60	12.88 x 28.50	2.55	4/4
1/6 x 5/6	17.50 x 65.50	18.50 x 66.50	18.00 x 66.00	13.00 x 29.75	2.69	12.88 x 29.50	2.64	4/4
1/6 x 6/0	17.50 x 71.50	18.50 x 72.50	18.00 x 72.00	13.00 x 32.75	2.96	12.88 x 32.50	2.91	4/4
1/6 x 6/2	17.50 x 73.50	18.50 x 74.50	18.00 x 74.00	13.00 x 33.75	3.05	12.88 x 33.50	3.00	6/6
1/6 x 6/6	17.50 x 77.50	18.50 x 78.50	18.00 x 78.00	13.00 x 35.75	3.23	12.88 x 35.50	3.17	6/6
1/6 x 7/0	17.50 x 83.50	18.50 x 84.50	18.00 x 84.00	13.00 x 38.75	3.50	12.88 x 38.50	3.44	6/6
†1/6 x 7/6	17.50 x 89.50	18.50 x 90.50	18.00 x 90.00	13.00 x 41.75	3.77	12.88 x 41.50	3.71	6/6
†1/6 x 8/0	17.50 x 95.50	18.50 x 96.50	18.00 x 96.00	13.00 x 44.75	4.04	12.88 x 44.50	3.98	6/6
1/8 x 2/4	19.50 x 27.50	20.50 x 28.50	20.00 x 28.00	15.00 x 10.75	1.12	14.88 x 10.50	1.08	4/4
1/8 x 2/10	19.50 x 33.50	20.50 x 34.50	20.00 x 34.00	15.00 x 13.75	1.43	14.88 x 13.50	1.39	4/4
1/8 x 3/0	19.50 x 35.50	20.50 x 36.50	20.00 x 36.00	15.00 x 14.75	1.54	14.88 x 14.50	1.50	4/4
1/8 x 3/2	19.50 x 37.50	20.50 x 38.50	20.00 x 38.00	15.00 x 15.75	1.64	14.88 x 15.50	1.60	4/4
1/8 x 3/4	19.50 x 39.50	20.50 x 40.50	20.00 x 40.00	15.00 x 16.75	1.74	14.88 x 16.50	1.70	4/4
1/8 x 3/6	19.50 x 41.50	20.50 x 42.50	20.00 x 42.00	15.00 x 17.75	1.85	14.88 x 17.50	1.81	4/4
1/8 x 3/8	19.50 x 43.50	20.50 x 44.50	20.00 x 44.00	15.00 x 18.75	1.95	14.88 x 18.50	1.91	4/4
1/8 x 3/10	19.50 x 45.50	20.50 x 46.50	20.00 x 46.00	15.00 x 19.75	2.06	14.88 x 19.50	2.01	4/4
1/8 x 4/0	19.50 x 47.50	20.50 x 48.50	20.00 x 48.00	15.00 x 20.75	2.16	14.88 x 20.50	2.12	4/4
1/8 x 4/2	19.50 x 49.50	20.50 x 50.50	20.00 x 50.00	15.00 x 21.75	2.27	14.88 x 21.50	2.22	4/4
1/8 x 4/4	19.50 x 51.50	20.50 x 52.50	20.00 x 52.00	15.00 x 22.75	2.37	14.88 x 22.50	2.32	4/4
1/8 x 4/6	19.50 x 53.50	20.50 x 54.50	20.00 x 54.00	15.00 x 23.75	2.47	14.88 x 23.50	2.43	4/4
1/8 x 4/8	19.50 x 55.50	20.50 x 56.50	20.00 x 56.00	15.00 x 24.75	2.58	14.88 x 24.50	2.53	4/4
1/8 x 5/0	19.50 x 59.50	20.50 x 60.50	20.00 x 60.00	15.00 x 26.75	2.79	14.88 x 26.50	2.74	4/4
1/8 x 5/2	19.50 x 61.50	20.50 x 62.50	20.00 x 62.00	15.00 x 27.75	2.89	14.88 x 27.50	2.84	4/4
1/8 x 5/4	19.50 x 63.50	20.50 x 64.50	20.00 x 64.00	15.00 x 28.75	2.99	14.88 x 28.50	2.94	4/4
1/8 x 5/6	19.50 x 65.50	20.50 x 66.50	20.00 x 66.00	15.00 x 29.75	3.10	14.88 x 29.50	3.05	4/4
1/8 x 6/0	19.50 x 71.50	20.50 x 72.50	20.00 x 72.00	15.00 x 32.75	3.41	14.88 x 32.50	3.36	4/4
1/8 x 6/2	19.50 x 73.50	20.50 x 74.50	20.00 x 74.00	15.00 x 33.75	3.52	14.88 x 33.50	3.46	6/6
1/8 x 6/6	19.50 x 77.50	20.50 x 78.50	20.00 x 78.00	15.00 x 35.75	3.72	14.88 x 35.50	3.67	6/6
1/8 x 7/0	19.50 x 83.50	20.50 x 84.50	20.00 x 84.00	15.00 x 38.75	4.04	14.88 x 38.50	3.98	6/6
†1/8 x 7/6	19.50 x 89.50	20.50 x 90.50	20.00 x 90.00	15.00 x 41.75	4.35	14.88 x 41.50	4.29	6/6
†1/8 x 8/0	19.50 x 95.50	20.50 x 96.50	20.00 x 96.00	15.00 x 44.75	4.66	14.88 x 44.50	4.60	6/6

† Denotes window only available in an oriel configuration. Window may not meet egress requirements. Contact Customer Service for verification.

SINGLE-HUNG – MODEL 1900



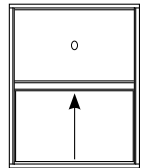
All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
2/0 x 2/4	23.50 x 27.50	24.50 x 28.50	24.00 x 28.00	19.00 x 10.75	1.42	18.88 x 10.50	1.38	4/4
2/0 x 2/10	23.50 x 33.50	24.50 x 34.50	24.00 x 34.00	19.00 x 13.75	1.81	18.88 x 13.50	1.77	4/4
2/0 x 3/0	23.50 x 35.50	24.50 x 36.50	24.00 x 36.00	19.00 x 14.75	1.95	18.88 x 14.50	1.90	4/4
2/0 x 3/2	23.50 x 37.50	24.50 x 38.50	24.00 x 38.00	19.00 x 15.75	2.08	18.88 x 15.50	2.03	4/4
2/0 x 3/4	23.50 x 39.50	24.50 x 40.50	24.00 x 40.00	19.00 x 16.75	2.21	18.88 x 16.50	2.16	4/4
2/0 x 3/6	23.50 x 41.50	24.50 x 42.50	24.00 x 42.00	19.00 x 17.75	2.34	18.88 x 17.50	2.29	4/4
2/0 x 3/8	23.50 x 43.50	24.50 x 44.50	24.00 x 44.00	19.00 x 18.75	2.47	18.88 x 18.50	2.42	4/4
2/0 x 3/10	23.50 x 45.50	24.50 x 46.50	24.00 x 46.00	19.00 x 19.75	2.61	18.88 x 19.50	2.56	4/4
2/0 x 4/0	23.50 x 47.50	24.50 x 48.50	24.00 x 48.00	19.00 x 20.75	2.74	18.88 x 20.50	2.69	4/4
2/0 x 4/2	23.50 x 49.50	24.50 x 50.50	24.00 x 50.00	19.00 x 21.75	2.87	18.88 x 21.50	2.82	4/4
2/0 x 4/4	23.50 x 51.50	24.50 x 52.50	24.00 x 52.00	19.00 x 22.75	3.00	18.88 x 22.50	2.95	4/4
2/0 x 4/6	23.50 x 53.50	24.50 x 54.50	24.00 x 54.00	19.00 x 23.75	3.13	18.88 x 23.50	3.08	4/4
2/0 x 4/8	23.50 x 55.50	24.50 x 56.50	24.00 x 56.00	19.00 x 24.75	3.27	18.88 x 24.50	3.21	4/4
2/0 x 5/0	23.50 x 59.50	24.50 x 60.50	24.00 x 60.00	19.00 x 26.75	3.53	18.88 x 26.50	3.47	4/4
2/0 x 5/2	23.50 x 61.50	24.50 x 62.50	24.00 x 62.00	19.00 x 27.75	3.66	18.88 x 27.50	3.60	4/4
2/0 x 5/4	23.50 x 63.50	24.50 x 64.50	24.00 x 64.00	19.00 x 28.75	3.79	18.88 x 28.50	3.74	4/4
2/0 x 5/6	23.50 x 65.50	24.50 x 66.50	24.00 x 66.00	19.00 x 29.75	3.93	18.88 x 29.50	3.87	4/4
2/0 x 6/0	23.50 x 71.50	24.50 x 72.50	24.00 x 72.00	19.00 x 32.75	4.32	18.88 x 32.50	4.26	4/4
2/0 x 6/2	23.50 x 73.50	24.50 x 74.50	24.00 x 74.00	19.00 x 33.75	4.45	18.88 x 33.50	4.39	6/6
2/0 x 6/6	23.50 x 77.50	24.50 x 78.50	24.00 x 78.00	19.00 x 35.75	4.72	18.88 x 35.50	4.65	6/6
2/0 x 7/0	23.50 x 83.50	24.50 x 84.50	24.00 x 84.00	19.00 x 38.75	5.11	18.88 x 38.50	5.05	6/6
†2/0 x 7/6	23.50 x 89.50	24.50 x 90.50	24.00 x 90.00	19.00 x 41.75	5.51	18.88 x 41.50	5.44	6/6
†2/0 x 8/0	23.50 x 95.50	24.50 x 96.50	24.00 x 96.00	19.00 x 44.75	5.90	18.88 x 44.50	5.83	6/6
2/4 x 2/4	27.50 x 27.50	28.50 x 28.50	28.00 x 28.00	23.00 x 10.75	1.72	22.88 x 10.50	1.67	6/6
2/4 x 2/10	27.50 x 33.50	28.50 x 34.50	28.00 x 34.00	23.00 x 13.75	2.20	22.88 x 13.50	2.14	6/6
2/4 x 3/0	27.50 x 35.50	28.50 x 36.50	28.00 x 36.00	23.00 x 14.75	2.36	22.88 x 14.50	2.30	6/6
2/4 x 3/2	27.50 x 37.50	28.50 x 38.50	28.00 x 38.00	23.00 x 15.75	2.52	22.88 x 15.50	2.46	6/6
2/4 x 3/4	27.50 x 39.50	28.50 x 40.50	28.00 x 40.00	23.00 x 16.75	2.68	22.88 x 16.50	2.62	6/6
2/4 x 3/6	27.50 x 41.50	28.50 x 42.50	28.00 x 42.00	23.00 x 17.75	2.84	22.88 x 17.50	2.78	6/6
2/4 x 3/8	27.50 x 43.50	28.50 x 44.50	28.00 x 44.00	23.00 x 18.75	2.99	22.88 x 18.50	2.94	6/6
2/4 x 3/10	27.50 x 45.50	28.50 x 46.50	28.00 x 46.00	23.00 x 19.75	3.15	22.88 x 19.50	3.10	6/6
2/4 x 4/0	27.50 x 47.50	28.50 x 48.50	28.00 x 48.00	23.00 x 20.75	3.31	22.88 x 20.50	3.26	6/6
2/4 x 4/2	27.50 x 49.50	28.50 x 50.50	28.00 x 50.00	23.00 x 21.75	3.47	22.88 x 21.50	3.42	6/6
2/4 x 4/4	27.50 x 51.50	28.50 x 52.50	28.00 x 52.00	23.00 x 22.75	3.63	22.88 x 22.50	3.57	6/6
2/4 x 4/6	27.50 x 53.50	28.50 x 54.50	28.00 x 54.00	23.00 x 23.75	3.79	22.88 x 23.50	3.73	6/6
2/4 x 4/8	27.50 x 55.50	28.50 x 56.50	28.00 x 56.00	23.00 x 24.75	3.95	22.88 x 24.50	3.89	6/6
2/4 x 5/0	27.50 x 59.50	28.50 x 60.50	28.00 x 60.00	23.00 x 26.75	4.27	22.88 x 26.50	4.21	6/6
2/4 x 5/2	27.50 x 61.50	28.50 x 62.50	28.00 x 62.00	23.00 x 27.75	4.43	22.88 x 27.50	4.37	6/6
2/4 x 5/4	27.50 x 63.50	28.50 x 64.50	28.00 x 64.00	23.00 x 28.75	4.59	22.88 x 28.50	4.53	6/6
2/4 x 5/6	27.50 x 65.50	28.50 x 66.50	28.00 x 66.00	23.00 x 29.75	4.75	22.88 x 29.50	4.69	6/6
2/4 x 6/0	27.50 x 71.50	28.50 x 72.50	28.00 x 72.00	23.00 x 32.75	5.23	22.88 x 32.50	5.16	6/6
2/4 x 6/2	27.50 x 73.50	28.50 x 74.50	28.00 x 74.00	23.00 x 33.75	5.39	22.88 x 33.50	5.32	9/9
*2/4 x 6/6	27.50 x 77.50	28.50 x 78.50	28.00 x 78.00	23.00 x 35.75	5.71	22.88 x 35.50	5.64	9/9
*2/4 x 7/0	27.50 x 83.50	28.50 x 84.50	28.00 x 84.00	23.00 x 38.75	6.19	22.88 x 38.50	6.12	9/9
**2/4 x 7/6	27.50 x 89.50	28.50 x 90.50	28.00 x 90.00	23.00 x 41.75	6.67	22.88 x 41.50	6.59	9/9
**2/4 x 8/0	27.50 x 95.50	28.50 x 96.50	28.00 x 96.00	23.00 x 44.75	7.15	22.88 x 44.50	7.07	9/9

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

† Denotes window only available in an oriel configuration. Window may not meet egress requirements. Contact Customer Service for verification.

SINGLE-HUNG – MODEL 1900



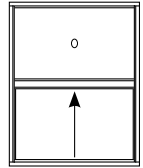
All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
2/6 x 2/4	29.50 x 27.50	30.50 x 28.50	30.00 x 28.00	25.00 x 10.75	1.87	24.88 x 10.50	1.81	6/6
2/6 x 2/10	29.50 x 33.50	30.50 x 34.50	30.00 x 34.00	25.00 x 13.75	2.39	24.88 x 13.50	2.33	6/6
2/6 x 3/0	29.50 x 35.50	30.50 x 36.50	30.00 x 36.00	25.00 x 14.75	2.56	24.88 x 14.50	2.50	6/6
2/6 x 3/2	29.50 x 37.50	30.50 x 38.50	30.00 x 38.00	25.00 x 15.75	2.73	24.88 x 15.50	2.68	6/6
2/6 x 3/4	29.50 x 39.50	30.50 x 40.50	30.00 x 40.00	25.00 x 16.75	2.91	24.88 x 16.50	2.85	6/6
2/6 x 3/6	29.50 x 41.50	30.50 x 42.50	30.00 x 42.00	25.00 x 17.75	3.08	24.88 x 17.50	3.02	6/6
2/6 x 3/8	29.50 x 43.50	30.50 x 44.50	30.00 x 44.00	25.00 x 18.75	3.26	24.88 x 18.50	3.20	6/6
2/6 x 3/10	29.50 x 45.50	30.50 x 46.50	30.00 x 46.00	25.00 x 19.75	3.43	24.88 x 19.50	3.37	6/6
2/6 x 4/0	29.50 x 47.50	30.50 x 48.50	30.00 x 48.00	25.00 x 20.75	3.60	24.88 x 20.50	3.54	6/6
2/6 x 4/2	29.50 x 49.50	30.50 x 50.50	30.00 x 50.00	25.00 x 21.75	3.78	24.88 x 21.50	3.71	6/6
2/6 x 4/4	29.50 x 51.50	30.50 x 52.50	30.00 x 52.00	25.00 x 22.75	3.95	24.88 x 22.50	3.89	6/6
2/6 x 4/6	29.50 x 53.50	30.50 x 54.50	30.00 x 54.00	25.00 x 23.75	4.12	24.88 x 23.50	4.06	6/6
2/6 x 4/8	29.50 x 55.50	30.50 x 56.50	30.00 x 56.00	25.00 x 24.75	4.30	24.88 x 24.50	4.23	6/6
2/6 x 5/0	29.50 x 59.50	30.50 x 60.50	30.00 x 60.00	25.00 x 26.75	4.64	24.88 x 26.50	4.58	6/6
2/6 x 5/2	29.50 x 61.50	30.50 x 62.50	30.00 x 62.00	25.00 x 27.75	4.82	24.88 x 27.50	4.75	6/6
2/6 x 5/4	29.50 x 63.50	30.50 x 64.50	30.00 x 64.00	25.00 x 28.75	4.99	24.88 x 28.50	4.92	6/6
2/6 x 5/6	29.50 x 65.50	30.50 x 66.50	30.00 x 66.00	25.00 x 29.75	5.16	24.88 x 29.50	5.10	6/6
2/6 x 6/0	29.50 x 71.50	30.50 x 72.50	30.00 x 72.00	25.00 x 32.75	5.69	24.88 x 32.50	5.61	6/6
*2/6 x 6/2	29.50 x 73.50	30.50 x 74.50	30.00 x 74.00	25.00 x 33.75	5.86	24.88 x 33.50	5.79	9/9
*2/6 x 6/6	29.50 x 77.50	30.50 x 78.50	30.00 x 78.00	25.00 x 35.75	6.21	24.88 x 35.50	6.13	9/9
*2/6 x 7/0	29.50 x 83.50	30.50 x 84.50	30.00 x 84.00	25.00 x 38.75	6.73	24.88 x 38.50	6.65	9/9
**2/6 x 7/6	29.50 x 89.50	30.50 x 90.50	30.00 x 90.00	25.00 x 41.75	7.25	24.88 x 41.50	7.17	9/9
**2/6 x 8/0	29.50 x 95.50	30.50 x 96.50	30.00 x 96.00	25.00 x 44.75	7.77	24.88 x 44.50	7.69	9/9
2/8 x 2/4	31.50 x 27.50	32.50 x 28.50	32.00 x 28.00	27.00 x 10.75	2.02	26.88 x 10.50	1.96	6/6
2/8 x 2/10	31.50 x 33.50	32.50 x 34.50	32.00 x 34.00	27.00 x 13.75	2.58	26.88 x 13.50	2.52	6/6
2/8 x 3/0	31.50 x 35.50	32.50 x 36.50	32.00 x 36.00	27.00 x 14.75	2.77	26.88 x 14.50	2.71	6/6
2/8 x 3/2	31.50 x 37.50	32.50 x 38.50	32.00 x 38.00	27.00 x 15.75	2.95	26.88 x 15.50	2.89	6/6
2/8 x 3/4	31.50 x 39.50	32.50 x 40.50	32.00 x 40.00	27.00 x 16.75	3.14	26.88 x 16.50	3.08	6/6
2/8 x 3/6	31.50 x 41.50	32.50 x 42.50	32.00 x 42.00	27.00 x 17.75	3.33	26.88 x 17.50	3.27	6/6
2/8 x 3/8	31.50 x 43.50	32.50 x 44.50	32.00 x 44.00	27.00 x 18.75	3.52	26.88 x 18.50	3.45	6/6
2/8 x 3/10	31.50 x 45.50	32.50 x 46.50	32.00 x 46.00	27.00 x 19.75	3.70	26.88 x 19.50	3.64	6/6
2/8 x 4/0	31.50 x 47.50	32.50 x 48.50	32.00 x 48.00	27.00 x 20.75	3.89	26.88 x 20.50	3.83	6/6
2/8 x 4/2	31.50 x 49.50	32.50 x 50.50	32.00 x 50.00	27.00 x 21.75	4.08	26.88 x 21.50	4.01	6/6
2/8 x 4/4	31.50 x 51.50	32.50 x 52.50	32.00 x 52.00	27.00 x 22.75	4.27	26.88 x 22.50	4.20	6/6
2/8 x 4/6	31.50 x 53.50	32.50 x 54.50	32.00 x 54.00	27.00 x 23.75	4.45	26.88 x 23.50	4.39	6/6
2/8 x 4/8	31.50 x 55.50	32.50 x 56.50	32.00 x 56.00	27.00 x 24.75	4.64	26.88 x 24.50	4.57	6/6
2/8 x 5/0	31.50 x 59.50	32.50 x 60.50	32.00 x 60.00	27.00 x 26.75	5.02	26.88 x 26.50	4.95	6/6
2/8 x 5/2	31.50 x 61.50	32.50 x 62.50	32.00 x 62.00	27.00 x 27.75	5.20	26.88 x 27.50	5.13	6/6
2/8 x 5/4	31.50 x 63.50	32.50 x 64.50	32.00 x 64.00	27.00 x 28.75	5.39	26.88 x 28.50	5.32	6/6
2/8 x 5/6	31.50 x 65.50	32.50 x 66.50	32.00 x 66.00	27.00 x 29.75	5.58	26.88 x 29.50	5.51	6/6
*2/8 x 6/0	31.50 x 71.50	32.50 x 72.50	32.00 x 72.00	27.00 x 32.75	6.14	26.88 x 32.50	6.07	6/6
*2/8 x 6/2	31.50 x 73.50	32.50 x 74.50	32.00 x 74.00	27.00 x 33.75	6.33	26.88 x 33.50	6.25	9/9
*2/8 x 6/6	31.50 x 77.50	32.50 x 78.50	32.00 x 78.00	27.00 x 35.75	6.70	26.88 x 35.50	6.63	9/9
*2/8 x 7/0	31.50 x 83.50	32.50 x 84.50	32.00 x 84.00	27.00 x 38.75	7.27	26.88 x 38.50	7.19	9/9
**2/8 x 7/6	31.50 x 89.50	32.50 x 90.50	32.00 x 90.00	27.00 x 41.75	7.83	26.88 x 41.50	7.75	9/9
**2/8 x 8/0	31.50 x 95.50	32.50 x 96.50	32.00 x 96.00	27.00 x 44.75	8.39	26.88 x 44.50	8.31	9/9

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

† Denotes window only available in an oriel configuration. Window may not meet egress requirements. Contact Customer Service for verification.

SINGLE-HUNG – MODEL 1900



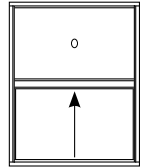
All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
3/0 x 2/4	35.50 x 27.50	36.50 x 28.50	36.00 x 28.00	31.00 x 10.75	2.31	30.88 x 10.50	2.25	6/6
3/0 x 2/10	35.50 x 33.50	36.50 x 34.50	36.00 x 34.00	31.00 x 13.75	2.96	30.88 x 13.50	2.89	6/6
3/0 x 3/0	35.50 x 35.50	36.50 x 36.50	36.00 x 36.00	31.00 x 14.75	3.18	30.88 x 14.50	3.11	6/6
3/0 x 3/2	35.50 x 37.50	36.50 x 38.50	36.00 x 38.00	31.00 x 15.75	3.39	30.88 x 15.50	3.32	6/6
3/0 x 3/4	35.50 x 39.50	36.50 x 40.50	36.00 x 40.00	31.00 x 16.75	3.61	30.88 x 16.50	3.54	6/6
3/0 x 3/6	35.50 x 41.50	36.50 x 42.50	36.00 x 42.00	31.00 x 17.75	3.82	30.88 x 17.50	3.75	6/6
3/0 x 3/8	35.50 x 43.50	36.50 x 44.50	36.00 x 44.00	31.00 x 18.75	4.04	30.88 x 18.50	3.97	6/6
3/0 x 3/10	35.50 x 45.50	36.50 x 46.50	36.00 x 46.00	31.00 x 19.75	4.25	30.88 x 19.50	4.18	6/6
3/0 x 4/0	35.50 x 47.50	36.50 x 48.50	36.00 x 48.00	31.00 x 20.75	4.47	30.88 x 20.50	4.40	6/6
3/0 x 4/2	35.50 x 49.50	36.50 x 50.50	36.00 x 50.00	31.00 x 21.75	4.68	30.88 x 21.50	4.61	6/6
3/0 x 4/4	35.50 x 51.50	36.50 x 52.50	36.00 x 52.00	31.00 x 22.75	4.90	30.88 x 22.50	4.82	6/6
3/0 x 4/6	35.50 x 53.50	36.50 x 54.50	36.00 x 54.00	31.00 x 23.75	5.11	30.88 x 23.50	5.04	6/6
3/0 x 4/8	35.50 x 55.50	36.50 x 56.50	36.00 x 56.00	31.00 x 24.75	5.33	30.88 x 24.50	5.25	6/6
*3/0 x 5/0	35.50 x 59.50	36.50 x 60.50	36.00 x 60.00	31.00 x 26.75	5.76	30.88 x 26.50	5.68	6/6
*3/0 x 5/2	35.50 x 61.50	36.50 x 62.50	36.00 x 62.00	31.00 x 27.75	5.97	30.88 x 27.50	5.90	6/6
*3/0 x 5/4	35.50 x 63.50	36.50 x 64.50	36.00 x 64.00	31.00 x 28.75	6.19	30.88 x 28.50	6.11	6/6
*3/0 x 5/6	35.50 x 65.50	36.50 x 66.50	36.00 x 66.00	31.00 x 29.75	6.40	30.88 x 29.50	6.33	6/6
*3/0 x 6/0	35.50 x 71.50	36.50 x 72.50	36.00 x 72.00	31.00 x 32.75	7.05	30.88 x 32.50	6.97	6/6
*3/0 x 6/2	35.50 x 73.50	36.50 x 74.50	36.00 x 74.00	31.00 x 33.75	7.27	30.88 x 33.50	7.18	9/9
*3/0 x 6/6	35.50 x 77.50	36.50 x 78.50	36.00 x 78.00	31.00 x 35.75	7.70	30.88 x 35.50	7.61	9/9
*3/0 x 7/0	35.50 x 83.50	36.50 x 84.50	36.00 x 84.00	31.00 x 38.75	8.34	30.88 x 38.50	8.25	9/9
*†3/0 x 7/6	35.50 x 89.50	36.50 x 90.50	36.00 x 90.00	31.00 x 41.75	8.99	30.88 x 41.50	8.90	9/9
*†3/0 x 8/0	35.50 x 95.50	36.50 x 96.50	36.00 x 96.00	31.00 x 44.75	9.63	30.88 x 44.50	9.54	9/9
3/2 x 2/4	37.50 x 27.50	38.50 x 28.50	38.00 x 28.00	33.00 x 10.75	2.46	32.88 x 10.50	2.40	8/8
3/2 x 2/10	37.50 x 33.50	38.50 x 34.50	38.00 x 34.00	33.00 x 13.75	3.15	32.88 x 13.50	3.08	8/8
3/2 x 3/0	37.50 x 35.50	38.50 x 36.50	38.00 x 36.00	33.00 x 14.75	3.38	32.88 x 14.50	3.31	8/8
3/2 x 3/2	37.50 x 37.50	38.50 x 38.50	38.00 x 38.00	33.00 x 15.75	3.61	32.88 x 15.50	3.54	8/8
3/2 x 3/4	37.50 x 39.50	38.50 x 40.50	38.00 x 40.00	33.00 x 16.75	3.84	32.88 x 16.50	3.77	8/8
3/2 x 3/6	37.50 x 41.50	38.50 x 42.50	38.00 x 42.00	33.00 x 17.75	4.07	32.88 x 17.50	4.00	8/8
3/2 x 3/8	37.50 x 43.50	38.50 x 44.50	38.00 x 44.00	33.00 x 18.75	4.30	32.88 x 18.50	4.22	8/8
3/2 x 3/10	37.50 x 45.50	38.50 x 46.50	38.00 x 46.00	33.00 x 19.75	4.53	32.88 x 19.50	4.45	8/8
3/2 x 4/0	37.50 x 47.50	38.50 x 48.50	38.00 x 48.00	33.00 x 20.75	4.76	32.88 x 20.50	4.68	8/8
3/2 x 4/2	37.50 x 49.50	38.50 x 50.50	38.00 x 50.00	33.00 x 21.75	4.98	32.88 x 21.50	4.91	8/8
3/2 x 4/4	37.50 x 51.50	38.50 x 52.50	38.00 x 52.00	33.00 x 22.75	5.21	32.88 x 22.50	5.14	8/8
3/2 x 4/6	37.50 x 53.50	38.50 x 54.50	38.00 x 54.00	33.00 x 23.75	5.44	32.88 x 23.50	5.37	8/8
3/2 x 4/8	37.50 x 55.50	38.50 x 56.50	38.00 x 56.00	33.00 x 24.75	5.67	32.88 x 24.50	5.59	8/8
*3/2 x 5/0	37.50 x 59.50	38.50 x 60.50	38.00 x 60.00	33.00 x 26.75	6.13	32.88 x 26.50	6.05	8/8
*3/2 x 5/2	37.50 x 61.50	38.50 x 62.50	38.00 x 62.00	33.00 x 27.75	6.36	32.88 x 27.50	6.28	8/8
*3/2 x 5/4	37.50 x 63.50	38.50 x 64.50	38.00 x 64.00	33.00 x 28.75	6.59	32.88 x 28.50	6.51	8/8
*3/2 x 5/6	37.50 x 65.50	38.50 x 66.50	38.00 x 66.00	33.00 x 29.75	6.82	32.88 x 29.50	6.73	8/8
*3/2 x 6/0	37.50 x 71.50	38.50 x 72.50	38.00 x 72.00	33.00 x 32.75	7.51	32.88 x 32.50	7.42	8/8
*3/2 x 6/2	37.50 x 73.50	38.50 x 74.50	38.00 x 74.00	33.00 x 33.75	7.73	32.88 x 33.50	7.65	12/12
*3/2 x 6/6	37.50 x 77.50	38.50 x 78.50	38.00 x 78.00	33.00 x 35.75	8.19	32.88 x 35.50	8.10	12/12
*3/2 x 7/0	37.50 x 83.50	38.50 x 84.50	38.00 x 84.00	33.00 x 38.75	8.88	32.88 x 38.50	8.79	12/12
*†3/2 x 7/6	37.50 x 89.50	38.50 x 90.50	38.00 x 90.00	33.00 x 41.75	9.57	32.88 x 41.50	9.47	12/12
*†3/2 x 8/0	37.50 x 95.50	38.50 x 96.50	38.00 x 96.00	33.00 x 44.75	10.26	32.88 x 44.50	10.16	12/12

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

† Denotes window only available in an oriel configuration. Window may not meet egress requirements. Contact Customer Service for verification.

SINGLE-HUNG – MODEL 1900



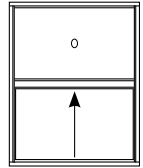
All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
3/4 x 2/4	39.50 x 27.50	40.50 x 28.50	40.00 x 28.00	35.00 x 10.75	2.61	34.88 x 10.50	2.54	8/8
3/4 x 2/10	39.50 x 33.50	40.50 x 34.50	40.00 x 34.00	35.00 x 13.75	3.34	34.88 x 13.50	3.27	8/8
3/4 x 3/0	39.50 x 35.50	40.50 x 36.50	40.00 x 36.00	35.00 x 14.75	3.59	34.88 x 14.50	3.51	8/8
3/4 x 3/2	39.50 x 37.50	40.50 x 38.50	40.00 x 38.00	35.00 x 15.75	3.83	34.88 x 15.50	3.75	8/8
3/4 x 3/4	39.50 x 39.50	40.50 x 40.50	40.00 x 40.00	35.00 x 16.75	4.07	34.88 x 16.50	4.00	8/8
3/4 x 3/6	39.50 x 41.50	40.50 x 42.50	40.00 x 42.00	35.00 x 17.75	4.31	34.88 x 17.50	4.24	8/8
3/4 x 3/8	39.50 x 43.50	40.50 x 44.50	40.00 x 44.00	35.00 x 18.75	4.56	34.88 x 18.50	4.48	8/8
3/4 x 3/10	39.50 x 45.50	40.50 x 46.50	40.00 x 46.00	35.00 x 19.75	4.80	34.88 x 19.50	4.72	8/8
3/4 x 4/0	39.50 x 47.50	40.50 x 48.50	40.00 x 48.00	35.00 x 20.75	5.04	34.88 x 20.50	4.96	8/8
3/4 x 4/2	39.50 x 49.50	40.50 x 50.50	40.00 x 50.00	35.00 x 21.75	5.29	34.88 x 21.50	5.21	8/8
3/4 x 4/4	39.50 x 51.50	40.50 x 52.50	40.00 x 52.00	35.00 x 22.75	5.53	34.88 x 22.50	5.45	8/8
3/4 x 4/6	39.50 x 53.50	40.50 x 54.50	40.00 x 54.00	35.00 x 23.75	5.77	34.88 x 23.50	5.69	8/8
*3/4 x 4/8	39.50 x 55.50	40.50 x 56.50	40.00 x 56.00	35.00 x 24.75	6.02	34.88 x 24.50	5.93	8/8
*3/4 x 5/0	39.50 x 59.50	40.50 x 60.50	40.00 x 60.00	35.00 x 26.75	6.50	34.88 x 26.50	6.42	8/8
*3/4 x 5/2	39.50 x 61.50	40.50 x 62.50	40.00 x 62.00	35.00 x 27.75	6.74	34.88 x 27.50	6.66	8/8
*3/4 x 5/4	39.50 x 63.50	40.50 x 64.50	40.00 x 64.00	35.00 x 28.75	6.99	34.88 x 28.50	6.90	8/8
*3/4 x 5/6	39.50 x 65.50	40.50 x 66.50	40.00 x 66.00	35.00 x 29.75	7.23	34.88 x 29.50	7.14	8/8
*3/4 x 6/0	39.50 x 71.50	40.50 x 72.50	40.00 x 72.00	35.00 x 32.75	7.96	34.88 x 32.50	7.87	8/8
*3/4 x 6/2	39.50 x 73.50	40.50 x 74.50	40.00 x 74.00	35.00 x 33.75	8.20	34.88 x 33.50	8.11	12/12
*3/4 x 6/6	39.50 x 77.50	40.50 x 78.50	40.00 x 78.00	35.00 x 35.75	8.69	34.88 x 35.50	8.60	12/12
*3/4 x 7/0	39.50 x 83.50	40.50 x 84.50	40.00 x 84.00	35.00 x 38.75	9.42	34.88 x 38.50	9.32	12/12
*†3/4 x 7/6	39.50 x 89.50	40.50 x 90.50	40.00 x 90.00	35.00 x 41.75	10.15	34.88 x 41.50	10.05	12/12
*†3/4 x 8/0	39.50 x 95.50	40.50 x 96.50	40.00 x 96.00	35.00 x 44.75	10.88	34.88 x 44.50	10.78	12/12
3/6 x 2/4	41.50 x 27.50	42.50 x 28.50	42.00 x 28.00	37.00 x 10.75	2.76	36.88 x 10.50	2.69	8/8
3/6 x 2/10	41.50 x 33.50	42.50 x 34.50	42.00 x 34.00	37.00 x 13.75	3.53	36.88 x 13.50	3.46	8/8
3/6 x 3/0	41.50 x 35.50	42.50 x 36.50	42.00 x 36.00	37.00 x 14.75	3.79	36.88 x 14.50	3.71	8/8
3/6 x 3/2	41.50 x 37.50	42.50 x 38.50	42.00 x 38.00	37.00 x 15.75	4.05	36.88 x 15.50	3.97	8/8
3/6 x 3/4	41.50 x 39.50	42.50 x 40.50	42.00 x 40.00	37.00 x 16.75	4.30	36.88 x 16.50	4.23	8/8
3/6 x 3/6	41.50 x 41.50	42.50 x 42.50	42.00 x 42.00	37.00 x 17.75	4.56	36.88 x 17.50	4.48	8/8
3/6 x 3/8	41.50 x 43.50	42.50 x 44.50	42.00 x 44.00	37.00 x 18.75	4.82	36.88 x 18.50	4.74	8/8
3/6 x 3/10	41.50 x 45.50	42.50 x 46.50	42.00 x 46.00	37.00 x 19.75	5.07	36.88 x 19.50	4.99	8/8
3/6 x 4/0	41.50 x 47.50	42.50 x 48.50	42.00 x 48.00	37.00 x 20.75	5.33	36.88 x 20.50	5.25	8/8
3/6 x 4/2	41.50 x 49.50	42.50 x 50.50	42.00 x 50.00	37.00 x 21.75	5.59	36.88 x 21.50	5.51	8/8
3/6 x 4/4	41.50 x 51.50	42.50 x 52.50	42.00 x 52.00	37.00 x 22.75	5.85	36.88 x 22.50	5.76	8/8
3/6 x 4/6	41.50 x 53.50	42.50 x 54.50	42.00 x 54.00	37.00 x 23.75	6.10	36.88 x 23.50	6.02	8/8
*3/6 x 4/8	41.50 x 55.50	42.50 x 56.50	42.00 x 56.00	37.00 x 24.75	6.36	36.88 x 24.50	6.27	8/8
*3/6 x 5/0	41.50 x 59.50	42.50 x 60.50	42.00 x 60.00	37.00 x 26.75	6.87	36.88 x 26.50	6.79	8/8
*3/6 x 5/2	41.50 x 61.50	42.50 x 62.50	42.00 x 62.00	37.00 x 27.75	7.13	36.88 x 27.50	7.04	8/8
*3/6 x 5/4	41.50 x 63.50	42.50 x 64.50	42.00 x 64.00	37.00 x 28.75	7.39	36.88 x 28.50	7.30	8/8
*3/6 x 5/6	41.50 x 65.50	42.50 x 66.50	42.00 x 66.00	37.00 x 29.75	7.64	36.88 x 29.50	7.55	8/8
*3/6 x 6/0	41.50 x 71.50	42.50 x 72.50	42.00 x 72.00	37.00 x 32.75	8.41	36.88 x 32.50	8.32	8/8
*3/6 x 6/2	41.50 x 73.50	42.50 x 74.50	42.00 x 74.00	37.00 x 33.75	8.67	36.88 x 33.50	8.58	12/12
*3/6 x 6/6	41.50 x 77.50	42.50 x 78.50	42.00 x 78.00	37.00 x 35.75	9.19	36.88 x 35.50	9.09	12/12
*3/6 x 7/0	41.50 x 83.50	42.50 x 84.50	42.00 x 84.00	37.00 x 38.75	9.96	36.88 x 38.50	9.86	12/12
*†3/6 x 7/6	41.50 x 89.50	42.50 x 90.50	42.00 x 90.00	37.00 x 41.75	10.73	36.88 x 41.50	10.63	12/12
*†3/6 x 8/0	41.50 x 95.50	42.50 x 96.50	42.00 x 96.00	37.00 x 44.75	11.50	36.88 x 44.50	11.40	12/12

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

† Denotes window only available in an oriel configuration. Window may not meet egress requirements. Contact Customer Service for verification.

SINGLE-HUNG – MODEL 1900



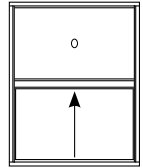
All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
3/8 x 2/4	43.50 x 27.50	44.50 x 28.50	44.00 x 28.00	39.00 x 10.75	2.91	38.88 x 10.50	2.83	8/8
3/8 x 2/10	43.50 x 33.50	44.50 x 34.50	44.00 x 34.00	39.00 x 13.75	3.72	38.88 x 13.50	3.64	8/8
3/8 x 3/0	43.50 x 35.50	44.50 x 36.50	44.00 x 36.00	39.00 x 14.75	3.99	38.88 x 14.50	3.91	8/8
3/8 x 3/2	43.50 x 37.50	44.50 x 38.50	44.00 x 38.00	39.00 x 15.75	4.27	38.88 x 15.50	4.18	8/8
3/8 x 3/4	43.50 x 39.50	44.50 x 40.50	44.00 x 40.00	39.00 x 16.75	4.54	38.88 x 16.50	4.45	8/8
3/8 x 3/6	43.50 x 41.50	44.50 x 42.50	44.00 x 42.00	39.00 x 17.75	4.81	38.88 x 17.50	4.72	8/8
3/8 x 3/8	43.50 x 43.50	44.50 x 44.50	44.00 x 44.00	39.00 x 18.75	5.08	38.88 x 18.50	4.99	8/8
3/8 x 3/10	43.50 x 45.50	44.50 x 46.50	44.00 x 46.00	39.00 x 19.75	5.35	38.88 x 19.50	5.26	8/8
3/8 x 4/0	43.50 x 47.50	44.50 x 48.50	44.00 x 48.00	39.00 x 20.75	5.62	38.88 x 20.50	5.53	8/8
3/8 x 4/2	43.50 x 49.50	44.50 x 50.50	44.00 x 50.00	39.00 x 21.75	5.89	38.88 x 21.50	5.80	8/8
3/8 x 4/4	43.50 x 51.50	44.50 x 52.50	44.00 x 52.00	39.00 x 22.75	6.16	38.88 x 22.50	6.07	8/8
3/8 x 4/6	43.50 x 53.50	44.50 x 54.50	44.00 x 54.00	39.00 x 23.75	6.43	38.88 x 23.50	6.34	8/8
*3/8 x 4/8	43.50 x 55.50	44.50 x 56.50	44.00 x 56.00	39.00 x 24.75	6.70	38.88 x 24.50	6.61	8/8
*3/8 x 5/0	43.50 x 59.50	44.50 x 60.50	44.00 x 60.00	39.00 x 26.75	7.24	38.88 x 26.50	7.15	8/8
*3/8 x 5/2	43.50 x 61.50	44.50 x 62.50	44.00 x 62.00	39.00 x 27.75	7.52	38.88 x 27.50	7.42	8/8
*3/8 x 5/4	43.50 x 63.50	44.50 x 64.50	44.00 x 64.00	39.00 x 28.75	7.79	38.88 x 28.50	7.69	8/8
*3/8 x 5/6	43.50 x 65.50	44.50 x 66.50	44.00 x 66.00	39.00 x 29.75	8.06	38.88 x 29.50	7.96	8/8
*3/8 x 6/0	43.50 x 71.50	44.50 x 72.50	44.00 x 72.00	39.00 x 32.75	8.87	38.88 x 32.50	8.77	8/8
*3/8 x 6/2	43.50 x 73.50	44.50 x 74.50	44.00 x 74.00	39.00 x 33.75	9.14	38.88 x 33.50	9.04	12/12
*3/8 x 6/6	43.50 x 77.50	44.50 x 78.50	44.00 x 78.00	39.00 x 35.75	9.68	38.88 x 35.50	9.58	12/12
*3/8 x 7/0	43.50 x 83.50	44.50 x 84.50	44.00 x 84.00	39.00 x 38.75	10.49	38.88 x 38.50	10.39	12/12
**3/8 x 7/6	43.50 x 89.50	44.50 x 90.50	44.00 x 90.00	39.00 x 41.75	11.31	38.88 x 41.50	11.20	12/12
**3/8 x 8/0	43.50 x 95.50	44.50 x 96.50	44.00 x 96.00	39.00 x 44.75	12.12	38.88 x 44.50	12.01	12/12
4/0 x 3/0	47.50 x 35.50	48.50 x 36.50	48.00 x 36.00	43.00 x 14.75	4.40	42.88 x 14.50	4.32	8/8
4/0 x 3/2	47.50 x 37.50	48.50 x 38.50	48.00 x 38.00	43.00 x 15.75	4.70	42.88 x 15.50	4.62	8/8
4/0 x 3/4	47.50 x 39.50	48.50 x 40.50	48.00 x 40.00	43.00 x 16.75	5.00	42.88 x 16.50	4.91	8/8
4/0 x 3/6	47.50 x 41.50	48.50 x 42.50	48.00 x 42.00	43.00 x 17.75	5.30	42.88 x 17.50	5.21	8/8
4/0 x 3/8	47.50 x 43.50	48.50 x 44.50	48.00 x 44.00	43.00 x 18.75	5.60	42.88 x 18.50	5.51	8/8
4/0 x 3/10	47.50 x 45.50	48.50 x 46.50	48.00 x 46.00	43.00 x 19.75	5.90	42.88 x 19.50	5.81	8/8
4/0 x 4/0	47.50 x 47.50	48.50 x 48.50	48.00 x 48.00	43.00 x 20.75	6.20	42.88 x 20.50	6.10	8/8
4/0 x 4/2	47.50 x 49.50	48.50 x 50.50	48.00 x 50.00	43.00 x 21.75	6.49	42.88 x 21.50	6.40	8/8
4/0 x 4/4	47.50 x 51.50	48.50 x 52.50	48.00 x 52.00	43.00 x 22.75	6.79	42.88 x 22.50	6.70	8/8
4/0 x 4/6	47.50 x 53.50	48.50 x 54.50	48.00 x 54.00	43.00 x 23.75	7.09	42.88 x 23.50	7.00	8/8
*4/0 x 4/8	47.50 x 55.50	48.50 x 56.50	48.00 x 56.00	43.00 x 24.75	7.39	42.88 x 24.50	7.29	8/8
*4/0 x 5/0	47.50 x 59.50	48.50 x 60.50	48.00 x 60.00	43.00 x 26.75	7.99	42.88 x 26.50	7.89	8/8
*4/0 x 5/2	47.50 x 61.50	48.50 x 62.50	48.00 x 62.00	43.00 x 27.75	8.29	42.88 x 27.50	8.19	8/8
*4/0 x 5/4	47.50 x 63.50	48.50 x 64.50	48.00 x 64.00	43.00 x 28.75	8.59	42.88 x 28.50	8.49	8/8
*4/0 x 5/6	47.50 x 65.50	48.50 x 66.50	48.00 x 66.00	43.00 x 29.75	8.88	42.88 x 29.50	8.78	8/8
*4/0 x 6/0	47.50 x 71.50	48.50 x 72.50	48.00 x 72.00	43.00 x 32.75	9.78	42.88 x 32.50	9.68	8/8
*4/0 x 6/2	47.50 x 73.50	48.50 x 74.50	48.00 x 74.00	43.00 x 33.75	10.08	42.88 x 33.50	9.97	12/12
*4/0 x 6/6	47.50 x 77.50	48.50 x 78.50	48.00 x 78.00	43.00 x 35.75	10.68	42.88 x 35.50	10.57	12/12
*4/0 x 7/0	47.50 x 83.50	48.50 x 84.50	48.00 x 84.00	43.00 x 38.75	11.57	42.88 x 38.50	11.46	12/12
**4/0 x 7/6	47.50 x 89.50	48.50 x 90.50	48.00 x 90.00	43.00 x 41.75	12.47	42.88 x 41.50	12.36	12/12
**4/0 x 8/0	47.50 x 95.50	48.50 x 96.50	48.00 x 96.00	43.00 x 44.75	13.36	42.88 x 44.50	13.25	12/12

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

† Denotes window only available in an oriel configuration. Window may not meet egress requirements. Contact Customer Service for verification.

SINGLE-HUNG – MODEL 1900



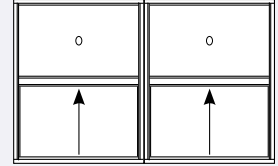
All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
4/2 x 3/0	49.50 x 35.50	50.50 x 36.50	50.00 x 36.00	45.00 x 14.75	4.61	44.88 x 14.50	4.52	8/8
4/2 x 3/6	49.50 x 41.50	50.50 x 42.50	50.00 x 42.00	45.00 x 17.75	5.55	44.88 x 17.50	5.45	8/8
4/2 x 4/0	49.50 x 47.50	50.50 x 48.50	50.00 x 48.00	45.00 x 20.75	6.48	44.88 x 20.50	6.39	8/8
4/2 x 4/6	49.50 x 53.50	50.50 x 54.50	50.00 x 54.00	45.00 x 23.75	7.42	44.88 x 23.50	7.32	8/8
*4/2 x 5/0	49.50 x 59.50	50.50 x 60.50	50.00 x 60.00	45.00 x 26.75	8.36	44.88 x 26.50	8.26	8/8
*4/2 x 5/6	49.50 x 65.50	50.50 x 66.50	50.00 x 66.00	45.00 x 29.75	9.30	44.88 x 29.50	9.19	8/8
*4/2 x 6/0	49.50 x 71.50	50.50 x 72.50	50.00 x 72.00	45.00 x 32.75	10.23	44.88 x 32.50	10.13	8/8
*4/2 x 6/6	49.50 x 77.50	50.50 x 78.50	50.00 x 78.00	45.00 x 35.75	11.17	44.88 x 35.50	11.06	12/12
*†4/2 x 7/0	49.50 x 83.50	50.50 x 84.50	50.00 x 84.00	45.00 x 38.75	12.11	44.88 x 38.50	12.00	12/12
4/4 x 3/0	51.50 x 35.50	52.50 x 36.50	52.00 x 36.00	47.00 x 14.75	4.81	46.88 x 14.50	4.72	8/8
4/4 x 3/6	51.50 x 41.50	52.50 x 42.50	52.00 x 42.00	47.00 x 17.75	5.79	46.88 x 17.50	5.70	8/8
4/4 x 4/0	51.50 x 47.50	52.50 x 48.50	52.00 x 48.00	47.00 x 20.75	6.77	46.88 x 20.50	6.67	8/8
4/4 x 4/6	51.50 x 53.50	52.50 x 54.50	52.00 x 54.00	47.00 x 23.75	7.75	46.88 x 23.50	7.65	8/8
*4/4 x 5/0	51.50 x 59.50	52.50 x 60.50	52.00 x 60.00	47.00 x 26.75	8.73	46.88 x 26.50	8.63	8/8
*4/4 x 5/6	51.50 x 65.50	52.50 x 66.50	52.00 x 66.00	47.00 x 29.75	9.71	46.88 x 29.50	9.60	8/8
*4/4 x 6/0	51.50 x 71.50	52.50 x 72.50	52.00 x 72.00	47.00 x 32.75	10.69	46.88 x 32.50	10.58	8/8
*4/4 x 6/6	51.50 x 77.50	52.50 x 78.50	52.00 x 78.00	47.00 x 35.75	11.67	46.88 x 35.50	11.56	12/12
*†4/4 x 7/0	51.50 x 83.50	52.50 x 84.50	52.00 x 84.00	47.00 x 38.75	12.65	46.88 x 38.50	12.53	12/12

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

† Denotes window only available in an oriel configuration. Window may not meet egress requirements. Contact Customer Service for verification.

TWIN SINGLE-HUNG – MODEL 1920



Size Limitations			
	Width	Height	U.I.
Min	29"	25"	
Max	96"	84"	180"

Actual Window Size Formulas – Per Opening	
Actual Window Width	Actual Window Height
Rough Opening – 0.5"	Rough Opening – 0.5"

Exterior Dimension W/J-Channel Formulas – Per Opening	
Exterior Dimension Width	Exterior Dimension Height
Rough Opening + 1"	Rough Opening + 1"

Clear Opening Formulas – Per Opening	
Clear Opening Width (COW)	Clear Opening Height (COH)
FW/2 – 4.75"	FH/2 – 3"

Clear Opening / Egress Square Foot Formula
Clear Opening Width x Clear Opening Height / 144

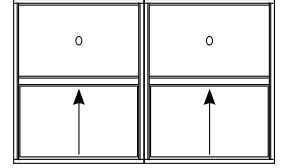
Visible Glass Formulas – Per Opening	
Visible Glass Width (VGW)	Visible Glass Height (VGH)
FW/2 – 4.75"	FH/2 – 3.25"

Total Visible Glass Square Foot Formula
Visible Glass Width x Visible Glass Height / 144

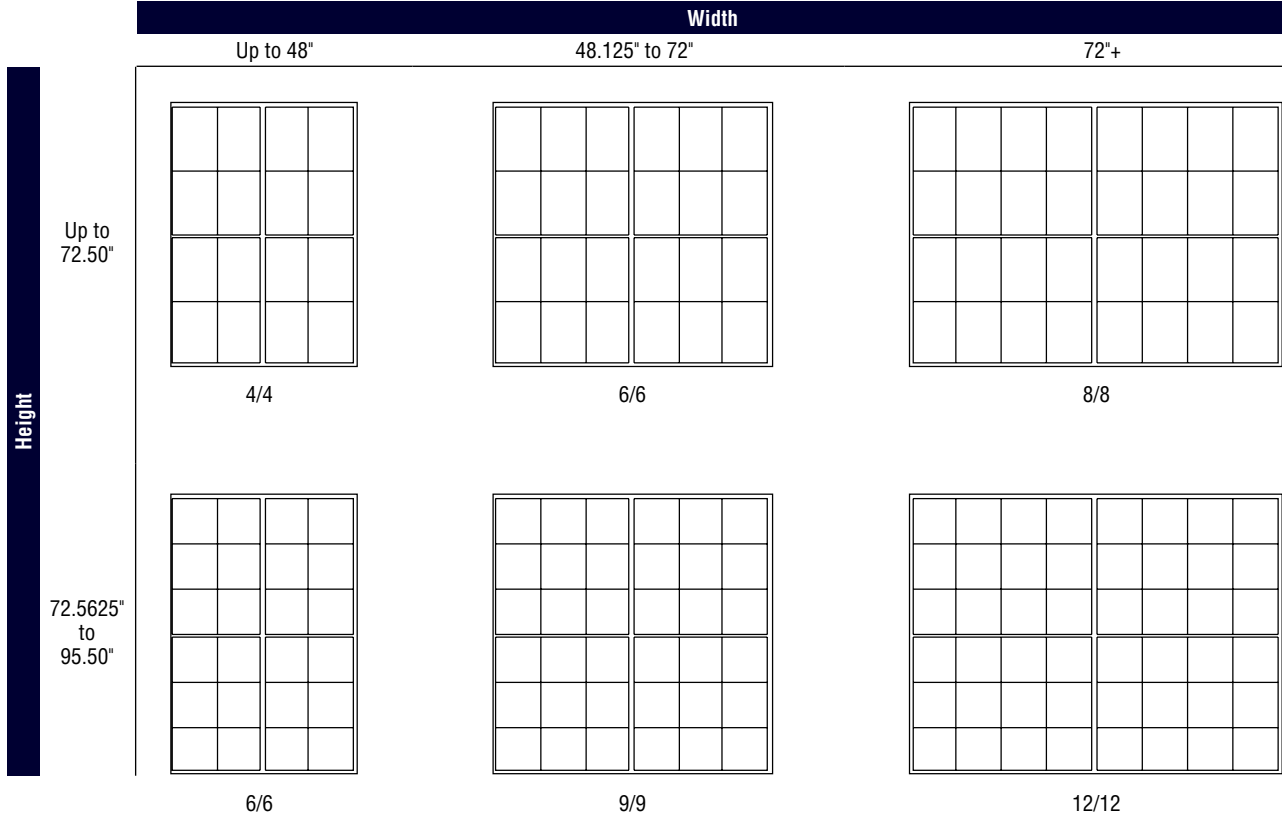
Egress/Clear Opening Size Reference Chart														
		Actual Unit Width												
		35.50	39.50	47.50	55.50	59.50	63.50	71.50	75.50	79.50	83.50	87.50	95.50	
Actual Unit Height	35.50													
	37.50													
	43.50													
	45.50													
	47.50													
	49.50													
	51.50													
	53.50													
	59.50							•	•	•	•	•	•	•
	61.50							•	•	•	•	•	•	•
	65.50							•	•	•	•	•	•	•
	71.50						•	•	•	•	•	•	•	•
	73.50					•	•	•	•	•	•	•	•	•
	77.50				•	•	•	•	•	•	•	•	•	•
	83.50				•	•	•	•	•	•	•	•	•	•

Egress/clear opening criteria is a minimum 20" net opening width, minimum 24" net opening height and minimum 5.7 sq. ft. opening area.

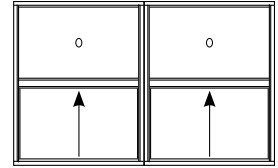
TWIN SINGLE-HUNG – MODEL 1920



Default Colonial Grid Pattern – Full



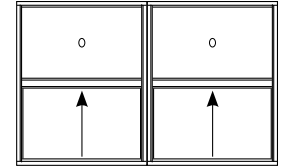
TWIN SINGLE-HUNG – MODEL 1920



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
1/6 x 3/0-2	35.50 x 35.50	36.50 x 36.50	36.00 x 36.00	13.00 x 14.75	1.33	13.00 x 14.50	1.31	4/4
1/6 x 3/2-2	35.50 x 37.50	36.50 x 38.50	36.00 x 38.00	13.00 x 15.75	1.42	13.00 x 15.50	1.40	4/4
1/6 x 3/8-2	35.50 x 43.50	36.50 x 44.50	36.00 x 44.00	13.00 x 18.75	1.69	13.00 x 18.50	1.67	4/4
1/6 x 3/10-2	35.50 x 45.50	36.50 x 46.50	36.00 x 46.00	13.00 x 19.75	1.78	13.00 x 19.50	1.76	4/4
1/6 x 4/0-2	35.50 x 47.50	36.50 x 48.50	36.00 x 48.00	13.00 x 20.75	1.87	13.00 x 20.50	1.85	4/4
1/6 x 4/2-2	35.50 x 49.50	36.50 x 50.50	36.00 x 50.00	13.00 x 21.75	1.96	13.00 x 21.50	1.94	4/4
1/6 x 4/4-2	35.50 x 51.50	36.50 x 52.50	36.00 x 52.00	13.00 x 22.75	2.05	13.00 x 22.50	2.03	4/4
1/6 x 4/6-2	35.50 x 53.50	36.50 x 54.50	36.00 x 54.00	13.00 x 23.75	2.14	13.00 x 23.50	2.12	4/4
1/6 x 5/0-2	35.50 x 59.50	36.50 x 60.50	36.00 x 60.00	13.00 x 26.75	2.41	13.00 x 26.50	2.39	4/4
1/6 x 5/2-2	35.50 x 61.50	36.50 x 62.50	36.00 x 62.00	13.00 x 27.75	2.51	13.00 x 27.50	2.48	4/4
1/6 x 5/6-2	35.50 x 65.50	36.50 x 66.50	36.00 x 66.00	13.00 x 29.75	2.69	13.00 x 29.50	2.66	4/4
1/6 x 6/0-2	35.50 x 71.50	36.50 x 72.50	36.00 x 72.00	13.00 x 32.75	2.96	13.00 x 32.50	2.93	4/4
1/6 x 6/2-2	35.50 x 73.50	36.50 x 74.50	36.00 x 74.00	13.00 x 33.75	3.05	13.00 x 33.50	3.02	6/6
1/6 x 6/6-2	35.50 x 77.50	36.50 x 78.50	36.00 x 78.00	13.00 x 35.75	3.23	13.00 x 35.50	3.20	6/6
1/6 x 7/0-2	35.50 x 83.50	36.50 x 84.50	36.00 x 84.00	13.00 x 38.75	3.50	13.00 x 38.50	3.48	6/6
1/8 x 3/0-2	39.50 x 35.50	40.50 x 36.50	40.00 x 36.00	15.00 x 14.75	1.54	15.00 x 14.50	1.51	4/4
1/8 x 3/2-2	39.50 x 37.50	40.50 x 38.50	40.00 x 38.00	15.00 x 15.75	1.64	15.00 x 15.50	1.61	4/4
1/8 x 3/8-2	39.50 x 43.50	40.50 x 44.50	40.00 x 44.00	15.00 x 18.75	1.95	15.00 x 18.50	1.93	4/4
1/8 x 3/10-2	39.50 x 45.50	40.50 x 46.50	40.00 x 46.00	15.00 x 19.75	2.06	15.00 x 19.50	2.03	4/4
1/8 x 4/0-2	39.50 x 47.50	40.50 x 48.50	40.00 x 48.00	15.00 x 20.75	2.16	15.00 x 20.50	2.14	4/4
1/8 x 4/2-2	39.50 x 49.50	40.50 x 50.50	40.00 x 50.00	15.00 x 21.75	2.27	15.00 x 21.50	2.24	4/4
1/8 x 4/4-2	39.50 x 51.50	40.50 x 52.50	40.00 x 52.00	15.00 x 22.75	2.37	15.00 x 22.50	2.34	4/4
1/8 x 4/6-2	39.50 x 53.50	40.50 x 54.50	40.00 x 54.00	15.00 x 23.75	2.47	15.00 x 23.50	2.45	4/4
1/8 x 5/0-2	39.50 x 59.50	40.50 x 60.50	40.00 x 60.00	15.00 x 26.75	2.79	15.00 x 26.50	2.76	4/4
1/8 x 5/2-2	39.50 x 61.50	40.50 x 62.50	40.00 x 62.00	15.00 x 27.75	2.89	15.00 x 27.50	2.86	4/4
1/8 x 5/6-2	39.50 x 65.50	40.50 x 66.50	40.00 x 66.00	15.00 x 29.75	3.10	15.00 x 29.50	3.07	4/4
1/8 x 6/0-2	39.50 x 71.50	40.50 x 72.50	40.00 x 72.00	15.00 x 32.75	3.41	15.00 x 32.50	3.39	4/4
1/8 x 6/2-2	39.50 x 73.50	40.50 x 74.50	40.00 x 74.00	15.00 x 33.75	3.52	15.00 x 33.50	3.49	6/6
1/8 x 6/6-2	39.50 x 77.50	40.50 x 78.50	40.00 x 78.00	15.00 x 35.75	3.72	15.00 x 35.50	3.70	6/6
1/8 x 7/0-2	39.50 x 83.50	40.50 x 84.50	40.00 x 84.00	15.00 x 38.75	4.04	15.00 x 38.50	4.01	6/6

TWIN SINGLE-HUNG – MODEL 1920

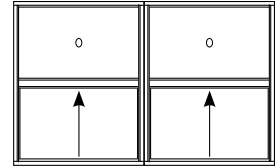


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
2/0 x 3/0-2	47.50 x 35.50	48.50 x 36.50	48.00 x 36.00	19.00 x 14.75	1.95	19.00 x 14.50	1.91	4/4
2/0 x 3/2-2	47.50 x 37.50	48.50 x 38.50	48.00 x 38.00	19.00 x 15.75	2.08	19.00 x 15.50	2.05	4/4
2/0 x 3/8-2	47.50 x 43.50	48.50 x 44.50	48.00 x 44.00	19.00 x 18.75	2.47	19.00 x 18.50	2.44	4/4
2/0 x 3/10-2	47.50 x 45.50	48.50 x 46.50	48.00 x 46.00	19.00 x 19.75	2.61	19.00 x 19.50	2.57	4/4
2/0 x 4/0-2	47.50 x 47.50	48.50 x 48.50	48.00 x 48.00	19.00 x 20.75	2.74	19.00 x 20.50	2.70	4/4
2/0 x 4/2-2	47.50 x 49.50	48.50 x 50.50	48.00 x 50.00	19.00 x 21.75	2.87	19.00 x 21.50	2.84	4/4
2/0 x 4/4-2	47.50 x 51.50	48.50 x 52.50	48.00 x 52.00	19.00 x 22.75	3.00	19.00 x 22.50	2.97	4/4
2/0 x 4/6-2	47.50 x 53.50	48.50 x 54.50	48.00 x 54.00	19.00 x 23.75	3.13	19.00 x 23.50	3.10	4/4
2/0 x 5/0-2	47.50 x 59.50	48.50 x 60.50	48.00 x 60.00	19.00 x 26.75	3.53	19.00 x 26.50	3.50	4/4
2/0 x 5/2-2	47.50 x 61.50	48.50 x 62.50	48.00 x 62.00	19.00 x 27.75	3.66	19.00 x 27.50	3.63	4/4
2/0 x 5/6-2	47.50 x 65.50	48.50 x 66.50	48.00 x 66.00	19.00 x 29.75	3.93	19.00 x 29.50	3.89	4/4
2/0 x 6/0-2	47.50 x 71.50	48.50 x 72.50	48.00 x 72.00	19.00 x 32.75	4.32	19.00 x 32.50	4.29	4/4
2/0 x 6/2-2	47.50 x 73.50	48.50 x 74.50	48.00 x 74.00	19.00 x 33.75	4.45	19.00 x 33.50	4.42	6/6
2/0 x 6/6-2	47.50 x 77.50	48.50 x 78.50	48.00 x 78.00	19.00 x 35.75	4.72	19.00 x 35.50	4.68	6/6
2/0 x 7/0-2	47.50 x 83.50	48.50 x 84.50	48.00 x 84.00	19.00 x 38.75	5.11	19.00 x 38.50	5.08	6/6
2/4 x 3/0-2	55.50 x 35.50	56.50 x 36.50	56.00 x 36.00	23.00 x 14.75	2.36	23.00 x 14.50	2.32	6/6
2/4 x 3/2-2	55.50 x 37.50	56.50 x 38.50	56.00 x 38.00	23.00 x 15.75	2.52	23.00 x 15.50	2.48	6/6
2/4 x 3/8-2	55.50 x 43.50	56.50 x 44.50	56.00 x 44.00	23.00 x 18.75	2.99	23.00 x 18.50	2.95	6/6
2/4 x 3/10-2	55.50 x 45.50	56.50 x 46.50	56.00 x 46.00	23.00 x 19.75	3.15	23.00 x 19.50	3.11	6/6
2/4 x 4/0-2	55.50 x 47.50	56.50 x 48.50	56.00 x 48.00	23.00 x 20.75	3.31	23.00 x 20.50	3.27	6/6
2/4 x 4/2-2	55.50 x 49.50	56.50 x 50.50	56.00 x 50.00	23.00 x 21.75	3.47	23.00 x 21.50	3.43	6/6
2/4 x 4/4-2	55.50 x 51.50	56.50 x 52.50	56.00 x 52.00	23.00 x 22.75	3.63	23.00 x 22.50	3.59	6/6
2/4 x 4/6-2	55.50 x 53.50	56.50 x 54.50	56.00 x 54.00	23.00 x 23.75	3.79	23.00 x 23.50	3.75	6/6
2/4 x 5/0-2	55.50 x 59.50	56.50 x 60.50	56.00 x 60.00	23.00 x 26.75	4.27	23.00 x 26.50	4.23	6/6
2/4 x 5/2-2	55.50 x 61.50	56.50 x 62.50	56.00 x 62.00	23.00 x 27.75	4.43	23.00 x 27.50	4.39	6/6
2/4 x 5/6-2	55.50 x 65.50	56.50 x 66.50	56.00 x 66.00	23.00 x 29.75	4.75	23.00 x 29.50	4.71	6/6
2/4 x 6/0-2	55.50 x 71.50	56.50 x 72.50	56.00 x 72.00	23.00 x 32.75	5.23	23.00 x 32.50	5.19	6/6
2/4 x 6/2-2	55.50 x 73.50	56.50 x 74.50	56.00 x 74.00	23.00 x 33.75	5.39	23.00 x 33.50	5.35	9/9
*2/4 x 6/6-2	55.50 x 77.50	56.50 x 78.50	56.00 x 78.00	23.00 x 35.75	5.71	23.00 x 35.50	5.67	9/9
*2/4 x 7/0-2	55.50 x 83.50	56.50 x 84.50	56.00 x 84.00	23.00 x 38.75	6.19	23.00 x 38.50	6.15	9/9

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

TWIN SINGLE-HUNG – MODEL 1920

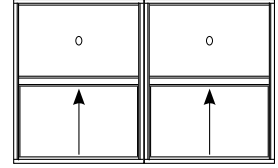


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
2/6 x 3/0-2	59.50 x 35.50	60.50 x 36.50	60.00 x 36.00	25.00 x 14.75	2.56	25.00 x 14.50	2.52	6/6
2/6 x 3/2-2	59.50 x 37.50	60.50 x 38.50	60.00 x 38.00	25.00 x 15.75	2.73	25.00 x 15.50	2.69	6/6
2/6 x 3/8-2	59.50 x 43.50	60.50 x 44.50	60.00 x 44.00	25.00 x 18.75	3.26	25.00 x 18.50	3.21	6/6
2/6 x 3/10-2	59.50 x 45.50	60.50 x 46.50	60.00 x 46.00	25.00 x 19.75	3.43	25.00 x 19.50	3.39	6/6
2/6 x 4/0-2	59.50 x 47.50	60.50 x 48.50	60.00 x 48.00	25.00 x 20.75	3.60	25.00 x 20.50	3.56	6/6
2/6 x 4/2-2	59.50 x 49.50	60.50 x 50.50	60.00 x 50.00	25.00 x 21.75	3.78	25.00 x 21.50	3.73	6/6
2/6 x 4/4-2	59.50 x 51.50	60.50 x 52.50	60.00 x 52.00	25.00 x 22.75	3.95	25.00 x 22.50	3.91	6/6
2/6 x 4/6-2	59.50 x 53.50	60.50 x 54.50	60.00 x 54.00	25.00 x 23.75	4.12	25.00 x 23.50	4.08	6/6
2/6 x 5/0-2	59.50 x 59.50	60.50 x 60.50	60.00 x 60.00	25.00 x 26.75	4.64	25.00 x 26.50	4.60	6/6
2/6 x 5/2-2	59.50 x 61.50	60.50 x 62.50	60.00 x 62.00	25.00 x 27.75	4.82	25.00 x 27.50	4.77	6/6
2/6 x 5/6-2	59.50 x 65.50	60.50 x 66.50	60.00 x 66.00	25.00 x 29.75	5.16	25.00 x 29.50	5.12	6/6
2/6 x 6/0-2	59.50 x 71.50	60.50 x 72.50	60.00 x 72.00	25.00 x 32.75	5.69	25.00 x 32.50	5.64	6/6
*2/6 x 6/2-2	59.50 x 73.50	60.50 x 74.50	60.00 x 74.00	25.00 x 33.75	5.86	25.00 x 33.50	5.82	9/9
*2/6 x 6/6-2	59.50 x 77.50	60.50 x 78.50	60.00 x 78.00	25.00 x 35.75	6.21	25.00 x 35.50	6.16	9/9
*2/6 x 7/0-2	59.50 x 83.50	60.50 x 84.50	60.00 x 84.00	25.00 x 38.75	6.73	25.00 x 38.50	6.68	9/9
2/8 x 3/0-2	63.50 x 35.50	64.50 x 36.50	64.00 x 36.00	27.00 x 14.75	2.77	27.00 x 14.50	2.72	6/6
2/8 x 3/2-2	63.50 x 37.50	64.50 x 38.50	64.00 x 38.00	27.00 x 15.75	2.95	27.00 x 15.50	2.91	6/6
2/8 x 3/6-2	63.50 x 41.50	64.50 x 42.50	64.00 x 42.00	27.00 x 17.75	3.33	27.00 x 17.50	3.28	6/6
2/8 x 3/8-2	63.50 x 43.50	64.50 x 44.50	64.00 x 44.00	27.00 x 18.75	3.52	27.00 x 18.50	3.47	6/6
2/8 x 3/10-2	63.50 x 45.50	64.50 x 46.50	64.00 x 46.00	27.00 x 19.75	3.70	27.00 x 19.50	3.66	6/6
2/8 x 4/0-2	63.50 x 47.50	64.50 x 48.50	64.00 x 48.00	27.00 x 20.75	3.89	27.00 x 20.50	3.84	6/6
2/8 x 4/2-2	63.50 x 49.50	64.50 x 50.50	64.00 x 50.00	27.00 x 21.75	4.08	27.00 x 21.50	4.03	6/6
2/8 x 4/4-2	63.50 x 51.50	64.50 x 52.50	64.00 x 52.00	27.00 x 22.75	4.27	27.00 x 22.50	4.22	6/6
2/8 x 4/6-2	63.50 x 53.50	64.50 x 54.50	64.00 x 54.00	27.00 x 23.75	4.45	27.00 x 23.50	4.41	6/6
2/8 x 5/0-2	63.50 x 59.50	64.50 x 60.50	64.00 x 60.00	27.00 x 26.75	5.02	27.00 x 26.50	4.97	6/6
2/8 x 5/2-2	63.50 x 61.50	64.50 x 62.50	64.00 x 62.00	27.00 x 27.75	5.20	27.00 x 27.50	5.16	6/6
2/8 x 5/6-2	63.50 x 65.50	64.50 x 66.50	64.00 x 66.00	27.00 x 29.75	5.58	27.00 x 29.50	5.53	6/6
*2/8 x 6/0-2	63.50 x 71.50	64.50 x 72.50	64.00 x 72.00	27.00 x 32.75	6.14	27.00 x 32.50	6.09	6/6
*2/8 x 6/2-2	63.50 x 73.50	64.50 x 74.50	64.00 x 74.00	27.00 x 33.75	6.33	27.00 x 33.50	6.28	9/9
*2/8 x 6/6-2	63.50 x 77.50	64.50 x 78.50	64.00 x 78.00	27.00 x 35.75	6.70	27.00 x 35.50	6.66	9/9
*2/8 x 7/0-2	63.50 x 83.50	64.50 x 84.50	64.00 x 84.00	27.00 x 38.75	7.27	27.00 x 38.50	7.22	9/9

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

TWIN SINGLE-HUNG – MODEL 1920

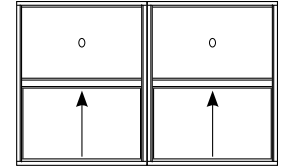


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
3/0 x 3/0-2	71.50 x 35.50	72.50 x 36.50	72.00 x 36.00	31.00 x 14.75	3.18	31.00 x 14.50	3.12	6/6
3/0 x 3/2-2	71.50 x 37.50	72.50 x 38.50	72.00 x 38.00	31.00 x 15.75	3.39	31.00 x 15.50	3.34	6/6
3/0 x 3/6-2	71.50 x 41.50	72.50 x 42.50	72.00 x 42.00	31.00 x 17.75	3.82	31.00 x 17.50	3.77	6/6
3/0 x 3/8-2	71.50 x 43.50	72.50 x 44.50	72.00 x 44.00	31.00 x 18.75	4.04	31.00 x 18.50	3.98	6/6
3/0 x 3/10-2	71.50 x 45.50	72.50 x 46.50	72.00 x 46.00	31.00 x 19.75	4.25	31.00 x 19.50	4.20	6/6
3/0 x 4/0-2	71.50 x 47.50	72.50 x 48.50	72.00 x 48.00	31.00 x 20.75	4.47	31.00 x 20.50	4.41	6/6
3/0 x 4/2-2	71.50 x 49.50	72.50 x 50.50	72.00 x 50.00	31.00 x 21.75	4.68	31.00 x 21.50	4.63	6/6
3/0 x 4/4-2	71.50 x 51.50	72.50 x 52.50	72.00 x 52.00	31.00 x 22.75	4.90	31.00 x 22.50	4.84	6/6
3/0 x 4/6-2	71.50 x 53.50	72.50 x 54.50	72.00 x 54.00	31.00 x 23.75	5.11	31.00 x 23.50	5.06	6/6
*3/0 x 5/0-2	71.50 x 59.50	72.50 x 60.50	72.00 x 60.00	31.00 x 26.75	5.76	31.00 x 26.50	5.70	6/6
*3/0 x 5/2-2	71.50 x 61.50	72.50 x 62.50	72.00 x 62.00	31.00 x 27.75	5.97	31.00 x 27.50	5.92	6/6
*3/0 x 5/6-2	71.50 x 65.50	72.50 x 66.50	72.00 x 66.00	31.00 x 29.75	6.40	31.00 x 29.50	6.35	6/6
*3/0 x 6/0-2	71.50 x 71.50	72.50 x 72.50	72.00 x 72.00	31.00 x 32.75	7.05	31.00 x 32.50	7.00	6/6
*3/0 x 6/2-2	71.50 x 73.50	72.50 x 74.50	72.00 x 74.00	31.00 x 33.75	7.27	31.00 x 33.50	7.21	9/9
*3/0 x 6/6-2	71.50 x 77.50	72.50 x 78.50	72.00 x 78.00	31.00 x 35.75	7.70	31.00 x 35.50	7.64	9/9
*3/0 x 7/0-2	71.50 x 83.50	72.50 x 84.50	72.00 x 84.00	31.00 x 38.75	8.34	31.00 x 38.50	8.29	9/9
3/2 x 3/0-2	75.50 x 35.50	76.50 x 36.50	76.00 x 36.00	33.00 x 14.75	3.38	33.00 x 14.50	3.32	8/8
3/2 x 3/2-2	75.50 x 37.50	76.50 x 38.50	76.00 x 38.00	33.00 x 15.75	3.61	33.00 x 15.50	3.55	8/8
3/2 x 3/6-2	75.50 x 41.50	76.50 x 42.50	76.00 x 42.00	33.00 x 17.75	4.07	33.00 x 17.50	4.01	8/8
3/2 x 3/8-2	75.50 x 43.50	76.50 x 44.50	76.00 x 44.00	33.00 x 18.75	4.30	33.00 x 18.50	4.24	8/8
3/2 x 3/10-2	75.50 x 45.50	76.50 x 46.50	76.00 x 46.00	33.00 x 19.75	4.53	33.00 x 19.50	4.47	8/8
3/2 x 4/0-2	75.50 x 47.50	76.50 x 48.50	76.00 x 48.00	33.00 x 20.75	4.76	33.00 x 20.50	4.70	8/8
3/2 x 4/2-2	75.50 x 49.50	76.50 x 50.50	76.00 x 50.00	33.00 x 21.75	4.98	33.00 x 21.50	4.93	8/8
3/2 x 4/4-2	75.50 x 51.50	76.50 x 52.50	76.00 x 52.00	33.00 x 22.75	5.21	33.00 x 22.50	5.16	8/8
3/2 x 4/6-2	75.50 x 53.50	76.50 x 54.50	76.00 x 54.00	33.00 x 23.75	5.44	33.00 x 23.50	5.39	8/8
*3/2 x 5/0-2	75.50 x 59.50	76.50 x 60.50	76.00 x 60.00	33.00 x 26.75	6.13	33.00 x 26.50	6.07	8/8
*3/2 x 5/2-2	75.50 x 61.50	76.50 x 62.50	76.00 x 62.00	33.00 x 27.75	6.36	33.00 x 27.50	6.30	8/8
*3/2 x 5/6-2	75.50 x 65.50	76.50 x 66.50	76.00 x 66.00	33.00 x 29.75	6.82	33.00 x 29.50	6.76	8/8
*3/2 x 6/0-2	75.50 x 71.50	76.50 x 72.50	76.00 x 72.00	33.00 x 32.75	7.51	33.00 x 32.50	7.45	8/8
*3/2 x 6/2-2	75.50 x 73.50	76.50 x 74.50	76.00 x 74.00	33.00 x 33.75	7.73	33.00 x 33.50	7.68	12/12
*3/2 x 6/6-2	75.50 x 77.50	76.50 x 78.50	76.00 x 78.00	33.00 x 35.75	8.19	33.00 x 35.50	8.14	12/12
*3/2 x 7/0-2	75.50 x 83.50	76.50 x 84.50	76.00 x 84.00	33.00 x 38.75	8.88	33.00 x 38.50	8.82	12/12

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

TWIN SINGLE-HUNG – MODEL 1920

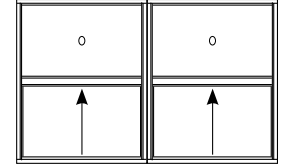


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
3/4 x 3/0-2	79.50 x 35.50	80.50 x 36.50	80.00 x 36.00	35.00 x 14.75	3.59	35.00 x 14.50	3.52	8/8
3/4 x 3/2-2	79.50 x 37.50	80.50 x 38.50	80.00 x 38.00	35.00 x 15.75	3.83	35.00 x 15.50	3.77	8/8
3/4 x 3/6-2	79.50 x 41.50	80.50 x 42.50	80.00 x 42.00	35.00 x 17.75	4.31	35.00 x 17.50	4.25	8/8
3/4 x 3/8-2	79.50 x 43.50	80.50 x 44.50	80.00 x 44.00	35.00 x 18.75	4.56	35.00 x 18.50	4.50	8/8
3/4 x 3/10-2	79.50 x 45.50	80.50 x 46.50	80.00 x 46.00	35.00 x 19.75	4.80	35.00 x 19.50	4.74	8/8
3/4 x 4/0-2	79.50 x 47.50	80.50 x 48.50	80.00 x 48.00	35.00 x 20.75	5.04	35.00 x 20.50	4.98	8/8
3/4 x 4/2-2	79.50 x 49.50	80.50 x 50.50	80.00 x 50.00	35.00 x 21.75	5.29	35.00 x 21.50	5.23	8/8
3/4 x 4/4-2	79.50 x 51.50	80.50 x 52.50	80.00 x 52.00	35.00 x 22.75	5.53	35.00 x 22.50	5.47	8/8
3/4 x 4/6-2	79.50 x 53.50	80.50 x 54.50	80.00 x 54.00	35.00 x 23.75	5.77	35.00 x 23.50	5.71	8/8
*3/4 x 5/0-2	79.50 x 59.50	80.50 x 60.50	80.00 x 60.00	35.00 x 26.75	6.50	35.00 x 26.50	6.44	8/8
*3/4 x 5/2-2	79.50 x 61.50	80.50 x 62.50	80.00 x 62.00	35.00 x 27.75	6.74	35.00 x 27.50	6.68	8/8
*3/4 x 5/6-2	79.50 x 65.50	80.50 x 66.50	80.00 x 66.00	35.00 x 29.75	7.23	35.00 x 29.50	7.17	8/8
*3/4 x 6/0-2	79.50 x 71.50	80.50 x 72.50	80.00 x 72.00	35.00 x 32.75	7.96	35.00 x 32.50	7.90	8/8
*3/4 x 6/2-2	79.50 x 73.50	80.50 x 74.50	80.00 x 74.00	35.00 x 33.75	8.20	35.00 x 33.50	8.14	12/12
*3/4 x 6/6-2	79.50 x 77.50	80.50 x 78.50	80.00 x 78.00	35.00 x 35.75	8.69	35.00 x 35.50	8.63	12/12
*3/4 x 7/0-2	79.50 x 83.50	80.50 x 84.50	80.00 x 84.00	35.00 x 38.75	9.42	35.00 x 38.50	9.36	12/12
3/6 x 3/0-2	83.50 x 35.50	84.50 x 36.50	84.00 x 36.00	37.00 x 14.75	3.79	37.00 x 14.50	3.73	8/8
3/6 x 3/2-2	83.50 x 37.50	84.50 x 38.50	84.00 x 38.00	37.00 x 15.75	4.05	37.00 x 15.50	3.98	8/8
3/6 x 3/6-2	83.50 x 41.50	84.50 x 42.50	84.00 x 42.00	37.00 x 17.75	4.56	37.00 x 17.50	4.50	8/8
3/6 x 3/8-2	83.50 x 43.50	84.50 x 44.50	84.00 x 44.00	37.00 x 18.75	4.82	37.00 x 18.50	4.75	8/8
3/6 x 3/10-2	83.50 x 45.50	84.50 x 46.50	84.00 x 46.00	37.00 x 19.75	5.07	37.00 x 19.50	5.01	8/8
3/6 x 4/0-2	83.50 x 47.50	84.50 x 48.50	84.00 x 48.00	37.00 x 20.75	5.33	37.00 x 20.50	5.27	8/8
3/6 x 4/2-2	83.50 x 49.50	84.50 x 50.50	84.00 x 50.00	37.00 x 21.75	5.59	37.00 x 21.50	5.52	8/8
3/6 x 4/4-2	83.50 x 51.50	84.50 x 52.50	84.00 x 52.00	37.00 x 22.75	5.85	37.00 x 22.50	5.78	8/8
3/6 x 4/6-2	83.50 x 53.50	84.50 x 54.50	84.00 x 54.00	37.00 x 23.75	6.10	37.00 x 23.50	6.04	8/8
*3/6 x 5/0-2	83.50 x 59.50	84.50 x 60.50	84.00 x 60.00	37.00 x 26.75	6.87	37.00 x 26.50	6.81	8/8
*3/6 x 5/2-2	83.50 x 61.50	84.50 x 62.50	84.00 x 62.00	37.00 x 27.75	7.13	37.00 x 27.50	7.07	8/8
*3/6 x 5/6-2	83.50 x 65.50	84.50 x 66.50	84.00 x 66.00	37.00 x 29.75	7.64	37.00 x 29.50	7.58	8/8
*3/6 x 6/0-2	83.50 x 71.50	84.50 x 72.50	84.00 x 72.00	37.00 x 32.75	8.41	37.00 x 32.50	8.35	8/8
*3/6 x 6/2-2	83.50 x 73.50	84.50 x 74.50	84.00 x 74.00	37.00 x 33.75	8.67	37.00 x 33.50	8.61	12/12
*3/6 x 6/6-2	83.50 x 77.50	84.50 x 78.50	84.00 x 78.00	37.00 x 35.75	9.19	37.00 x 35.50	9.12	12/12
*3/6 x 7/0-2	83.50 x 83.50	84.50 x 84.50	84.00 x 84.00	37.00 x 38.75	9.96	37.00 x 38.50	9.89	12/12

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

TWIN SINGLE-HUNG – MODEL 1920

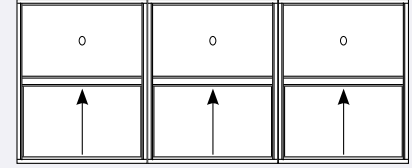


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
3/8 x 3/0-2	87.50 x 35.50	88.50 x 36.50	88.00 x 36.00	39.00 x 14.75	3.99	39.00 x 14.50	3.93	8/8
3/8 x 3/2-2	87.50 x 37.50	88.50 x 38.50	88.00 x 38.00	39.00 x 15.75	4.27	39.00 x 15.50	4.20	8/8
3/8 x 3/8-2	87.50 x 43.50	88.50 x 44.50	88.00 x 44.00	39.00 x 18.75	5.08	39.00 x 18.50	5.01	8/8
3/8 x 3/10-2	87.50 x 45.50	88.50 x 46.50	88.00 x 46.00	39.00 x 19.75	5.35	39.00 x 19.50	5.28	8/8
3/8 x 4/0-2	87.50 x 47.50	88.50 x 48.50	88.00 x 48.00	39.00 x 20.75	5.62	39.00 x 20.50	5.55	8/8
3/8 x 4/2-2	87.50 x 49.50	88.50 x 50.50	88.00 x 50.00	39.00 x 21.75	5.89	39.00 x 21.50	5.82	8/8
3/8 x 4/4-2	87.50 x 51.50	88.50 x 52.50	88.00 x 52.00	39.00 x 22.75	6.16	39.00 x 22.50	6.09	8/8
3/8 x 4/6-2	87.50 x 53.50	88.50 x 54.50	88.00 x 54.00	39.00 x 23.75	6.43	39.00 x 23.50	6.36	8/8
*3/8 x 5/0-2	87.50 x 59.50	88.50 x 60.50	88.00 x 60.00	39.00 x 26.75	7.24	39.00 x 26.50	7.18	8/8
*3/8 x 5/2-2	87.50 x 61.50	88.50 x 62.50	88.00 x 62.00	39.00 x 27.75	7.52	39.00 x 27.50	7.45	8/8
*3/8 x 5/6-2	87.50 x 65.50	88.50 x 66.50	88.00 x 66.00	39.00 x 29.75	8.06	39.00 x 29.50	7.99	8/8
*3/8 x 6/0-2	87.50 x 71.50	88.50 x 72.50	88.00 x 72.00	39.00 x 32.75	8.87	39.00 x 32.50	8.80	8/8
*3/8 x 6/2-2	87.50 x 73.50	88.50 x 74.50	88.00 x 74.00	39.00 x 33.75	9.14	39.00 x 33.50	9.07	12/12
*3/8 x 6/6-2	87.50 x 77.50	88.50 x 78.50	88.00 x 78.00	39.00 x 35.75	9.68	39.00 x 35.50	9.61	12/12
*3/8 x 7/0-2	87.50 x 83.50	88.50 x 84.50	88.00 x 84.00	39.00 x 38.75	10.49	39.00 x 38.50	10.43	12/12
4/0 x 3/0-2	95.50 x 35.50	96.50 x 36.50	96.00 x 36.00	43.00 x 14.75	4.40	43.00 x 14.50	4.33	8/8
4/0 x 3/2-2	95.50 x 37.50	96.50 x 38.50	96.00 x 38.00	43.00 x 15.75	4.70	43.00 x 15.50	4.63	8/8
4/0 x 3/8-2	95.50 x 43.50	96.50 x 44.50	96.00 x 44.00	43.00 x 18.75	5.60	43.00 x 18.50	5.52	8/8
4/0 x 3/10-2	95.50 x 45.50	96.50 x 46.50	96.00 x 46.00	43.00 x 19.75	5.90	43.00 x 19.50	5.82	8/8
4/0 x 4/0-2	95.50 x 47.50	96.50 x 48.50	96.00 x 48.00	43.00 x 20.75	6.20	43.00 x 20.50	6.12	8/8
4/0 x 4/2-2	95.50 x 49.50	96.50 x 50.50	96.00 x 50.00	43.00 x 21.75	6.49	43.00 x 21.50	6.42	8/8
4/0 x 4/4-2	95.50 x 51.50	96.50 x 52.50	96.00 x 52.00	43.00 x 22.75	6.79	43.00 x 22.50	6.72	8/8
4/0 x 4/6-2	95.50 x 53.50	96.50 x 54.50	96.00 x 54.00	43.00 x 23.75	7.09	43.00 x 23.50	7.02	8/8
*4/0 x 5/0-2	95.50 x 59.50	96.50 x 60.50	96.00 x 60.00	43.00 x 26.75	7.99	43.00 x 26.50	7.91	8/8
*4/0 x 5/2-2	95.50 x 61.50	96.50 x 62.50	96.00 x 62.00	43.00 x 27.75	8.29	43.00 x 27.50	8.21	8/8
*4/0 x 5/6-2	95.50 x 65.50	96.50 x 66.50	96.00 x 66.00	43.00 x 29.75	8.88	43.00 x 29.50	8.81	8/8
*4/0 x 6/0-2	95.50 x 71.50	96.50 x 72.50	96.00 x 72.00	43.00 x 32.75	9.78	43.00 x 32.50	9.70	8/8
*4/0 x 6/2-2	95.50 x 73.50	96.50 x 74.50	96.00 x 74.00	43.00 x 33.75	10.08	43.00 x 33.50	10.00	12/12
*4/0 x 6/6-2	95.50 x 77.50	96.50 x 78.50	96.00 x 78.00	43.00 x 35.75	10.68	43.00 x 35.50	10.60	12/12
*4/0 x 7/0-2	95.50 x 83.50	96.50 x 84.50	96.00 x 84.00	43.00 x 38.75	11.57	43.00 x 38.50	11.50	12/12

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

TRIPLE SINGLE-HUNG – MODEL 1930



Size Limitations			
	Width	Height	U.I.
Min	44"	25"	
Max	108"	84"	192"

Actual Window Size Formulas – Per Opening	
Actual Window Width	Actual Window Height
Rough Opening – 0.5"	Rough Opening – 0.5"

Exterior Dimension W/J-Channel Formulas – Per Opening	
Exterior Dimension Width	Exterior Dimension Height
Rough Opening + 1"	Rough Opening + 1"

Clear Opening Formulas – Per Opening	
Clear Opening Width (COW)	Clear Opening Height (COH)
FW/3 – 5"	FH/2 – 3"

Clear Opening / Egress Square Foot Formula
Clear Opening Width x Clear Opening Height / 144

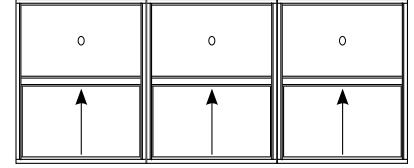
Visible Glass Formulas – Per Opening	
Visible Glass Width (VGW)	Visible Glass Height (VGH)
FW/3 – 5"	FH/2 – 3.25"

Total Visible Glass Square Foot Formula
Visible Glass Width x Visible Glass Height / 144

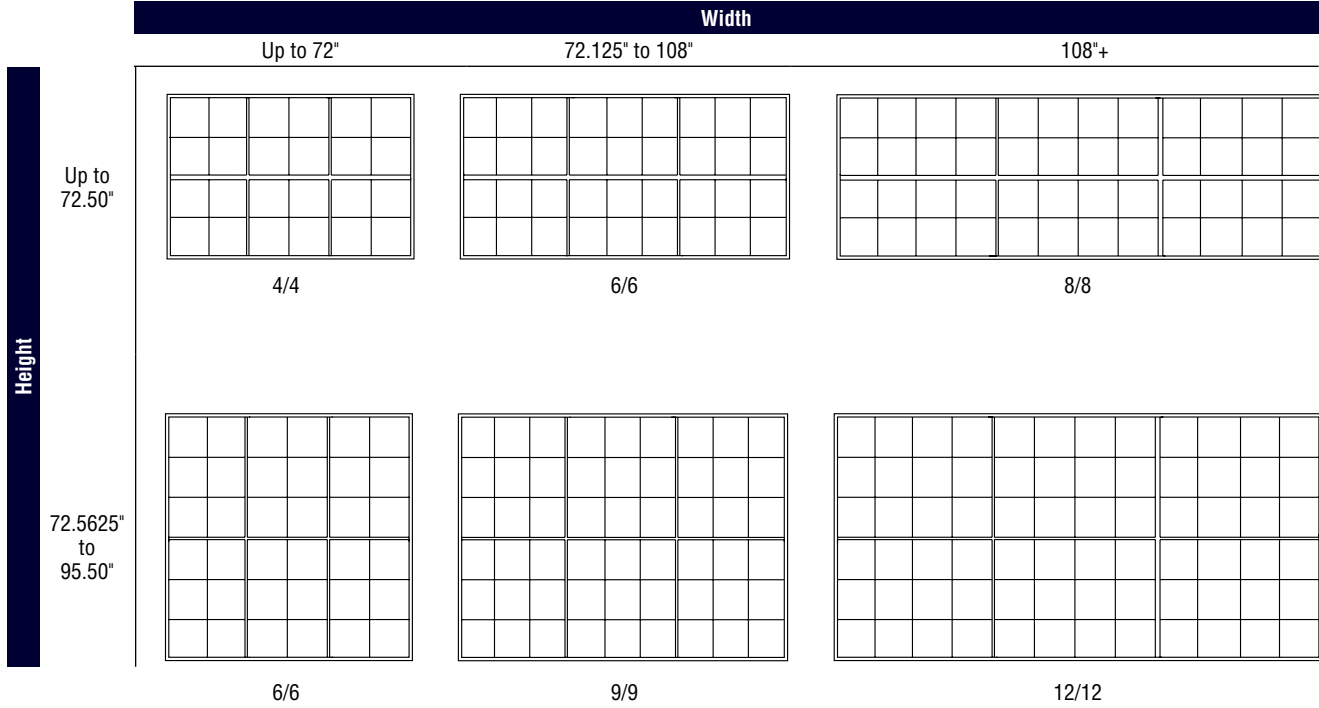
Egress/Clear Opening Size Reference Chart								
Actual Unit Width								
	53.50	59.50	71.50	83.50	89.50	95.50	107.50	
Actual Unit Height	35.50							
	37.50							
	43.50							
	45.50							
	47.50							
	49.50							
	51.50							
	53.50							
	59.50							●
	61.50							●
	65.50							●
	71.50						●	●
	73.50					●	●	●
	77.50					●	●	●
83.50				●	●	●	●	

Egress/clear opening criteria is a minimum 20" net opening width, minimum 24" net opening height and minimum 5.7 sq. ft. opening area.

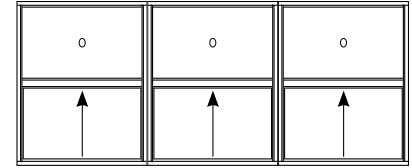
TRIPLE SINGLE-HUNG – MODEL 1930



Default Colonial Grid Pattern – Full



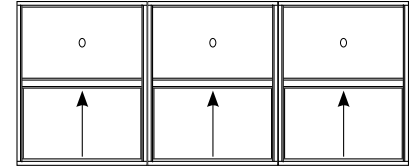
TRIPLE SINGLE-HUNG – MODEL 1930



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
1/6 x 3/0-3	53.50 x 35.50	54.50 x 36.50	54.00 x 36.00	12.83 x 14.75	1.31	12.83 x 14.50	1.29	4/4
1/6 x 3/2-3	53.50 x 37.50	54.50 x 38.50	54.00 x 38.00	12.83 x 15.75	1.40	12.83 x 15.50	1.38	4/4
1/6 x 3/8-3	53.50 x 43.50	54.50 x 44.50	54.00 x 44.00	12.83 x 18.75	1.67	12.83 x 18.50	1.65	4/4
1/6 x 3/10-3	53.50 x 45.50	54.50 x 46.50	54.00 x 46.00	12.83 x 19.75	1.76	12.83 x 19.50	1.74	4/4
1/6 x 4/0-3	53.50 x 47.50	54.50 x 48.50	54.00 x 48.00	12.83 x 20.75	1.85	12.83 x 20.50	1.83	4/4
1/6 x 4/2-3	53.50 x 49.50	54.50 x 50.50	54.00 x 50.00	12.83 x 21.75	1.94	12.83 x 21.50	1.92	4/4
1/6 x 4/4-3	53.50 x 51.50	54.50 x 52.50	54.00 x 52.00	12.83 x 22.75	2.03	12.83 x 22.50	2.01	4/4
1/6 x 4/6-3	53.50 x 53.50	54.50 x 54.50	54.00 x 54.00	12.83 x 23.75	2.12	12.83 x 23.50	2.09	4/4
1/6 x 5/0-3	53.50 x 59.50	54.50 x 60.50	54.00 x 60.00	12.83 x 26.75	2.38	12.83 x 26.50	2.36	4/4
1/6 x 5/2-3	53.50 x 61.50	54.50 x 62.50	54.00 x 62.00	12.83 x 27.75	2.47	12.83 x 27.50	2.45	4/4
1/6 x 5/6-3	53.50 x 65.50	54.50 x 66.50	54.00 x 66.00	12.83 x 29.75	2.65	12.83 x 29.50	2.63	4/4
1/6 x 6/0-3	53.50 x 71.50	54.50 x 72.50	54.00 x 72.00	12.83 x 32.75	2.92	12.83 x 32.50	2.90	4/4
1/6 x 6/2-3	53.50 x 73.50	54.50 x 74.50	54.00 x 74.00	12.83 x 33.75	3.01	12.83 x 33.50	2.99	6/6
1/6 x 6/6-3	53.50 x 77.50	54.50 x 78.50	54.00 x 78.00	12.83 x 35.75	3.19	12.83 x 35.50	3.16	6/6
1/6 x 7/0-3	53.50 x 83.50	54.50 x 84.50	54.00 x 84.00	12.83 x 38.75	3.45	12.83 x 38.50	3.43	6/6
1/8 x 3/0-3	59.50 x 35.50	60.50 x 36.50	60.00 x 36.00	14.83 x 14.75	1.52	14.83 x 14.50	1.49	4/4
1/8 x 3/2-3	59.50 x 37.50	60.50 x 38.50	60.00 x 38.00	14.83 x 15.75	1.62	14.83 x 15.50	1.60	4/4
1/8 x 3/8-3	59.50 x 43.50	60.50 x 44.50	60.00 x 44.00	14.83 x 18.75	1.93	14.83 x 18.50	1.91	4/4
1/8 x 3/10-3	59.50 x 45.50	60.50 x 46.50	60.00 x 46.00	14.83 x 19.75	2.03	14.83 x 19.50	2.01	4/4
1/8 x 4/0-3	59.50 x 47.50	60.50 x 48.50	60.00 x 48.00	14.83 x 20.75	2.14	14.83 x 20.50	2.11	4/4
1/8 x 4/2-3	59.50 x 49.50	60.50 x 50.50	60.00 x 50.00	14.83 x 21.75	2.24	14.83 x 21.50	2.21	4/4
1/8 x 4/4-3	59.50 x 51.50	60.50 x 52.50	60.00 x 52.00	14.83 x 22.75	2.34	14.83 x 22.50	2.32	4/4
1/8 x 4/6-3	59.50 x 53.50	60.50 x 54.50	60.00 x 54.00	14.83 x 23.75	2.45	14.83 x 23.50	2.42	4/4
1/8 x 5/0-3	59.50 x 59.50	60.50 x 60.50	60.00 x 60.00	14.83 x 26.75	2.76	14.83 x 26.50	2.73	4/4
1/8 x 5/2-3	59.50 x 61.50	60.50 x 62.50	60.00 x 62.00	14.83 x 27.75	2.86	14.83 x 27.50	2.83	4/4
1/8 x 5/6-3	59.50 x 65.50	60.50 x 66.50	60.00 x 66.00	14.83 x 29.75	3.06	14.83 x 29.50	3.04	4/4
1/8 x 6/0-3	59.50 x 71.50	60.50 x 72.50	60.00 x 72.00	14.83 x 32.75	3.37	14.83 x 32.50	3.35	4/4
1/8 x 6/2-3	59.50 x 73.50	60.50 x 74.50	60.00 x 74.00	14.83 x 33.75	3.48	14.83 x 33.50	3.45	6/6
1/8 x 6/6-3	59.50 x 77.50	60.50 x 78.50	60.00 x 78.00	14.83 x 35.75	3.68	14.83 x 35.50	3.66	6/6
1/8 x 7/0-3	59.50 x 83.50	60.50 x 84.50	60.00 x 84.00	14.83 x 38.75	3.99	14.83 x 38.50	3.97	6/6
2/0 x 3/0-3	71.50 x 35.50	72.50 x 36.50	72.00 x 36.00	18.83 x 14.75	1.93	18.83 x 14.50	1.90	4/4
2/0 x 3/2-3	71.50 x 37.50	72.50 x 38.50	72.00 x 38.00	18.83 x 15.75	2.06	18.83 x 15.50	2.03	4/4
2/0 x 3/8-3	71.50 x 43.50	72.50 x 44.50	72.00 x 44.00	18.83 x 18.75	2.45	18.83 x 18.50	2.42	4/4
2/0 x 3/10-3	71.50 x 45.50	72.50 x 46.50	72.00 x 46.00	18.83 x 19.75	2.58	18.83 x 19.50	2.55	4/4
2/0 x 4/0-3	71.50 x 47.50	72.50 x 48.50	72.00 x 48.00	18.83 x 20.75	2.71	18.83 x 20.50	2.68	4/4
2/0 x 4/2-3	71.50 x 49.50	72.50 x 50.50	72.00 x 50.00	18.83 x 21.75	2.84	18.83 x 21.50	2.81	4/4
2/0 x 4/4-3	71.50 x 51.50	72.50 x 52.50	72.00 x 52.00	18.83 x 22.75	2.98	18.83 x 22.50	2.94	4/4
2/0 x 4/6-3	71.50 x 53.50	72.50 x 54.50	72.00 x 54.00	18.83 x 23.75	3.11	18.83 x 23.50	3.07	4/4
2/0 x 5/0-3	71.50 x 59.50	72.50 x 60.50	72.00 x 60.00	18.83 x 26.75	3.50	18.83 x 26.50	3.47	4/4
2/0 x 5/2-3	71.50 x 61.50	72.50 x 62.50	72.00 x 62.00	18.83 x 27.75	3.63	18.83 x 27.50	3.60	4/4
2/0 x 5/6-3	71.50 x 65.50	72.50 x 66.50	72.00 x 66.00	18.83 x 29.75	3.89	18.83 x 29.50	3.86	4/4
2/0 x 6/0-3	71.50 x 71.50	72.50 x 72.50	72.00 x 72.00	18.83 x 32.75	4.28	18.83 x 32.50	4.25	4/4
2/0 x 6/2-3	71.50 x 73.50	72.50 x 74.50	72.00 x 74.00	18.83 x 33.75	4.41	18.83 x 33.50	4.38	6/6
2/0 x 6/6-3	71.50 x 77.50	72.50 x 78.50	72.00 x 78.00	18.83 x 35.75	4.68	18.83 x 35.50	4.64	6/6
2/0 x 7/0-3	71.50 x 83.50	72.50 x 84.50	72.00 x 84.00	18.83 x 38.75	5.07	18.83 x 38.50	5.04	6/6

TRIPLE SINGLE-HUNG – MODEL 1930

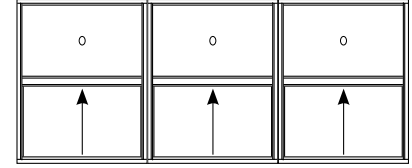


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
2/4 x 3/0-3	83.50 x 35.50	84.50 x 36.50	84.00 x 36.00	22.83 x 14.75	2.34	22.83 x 14.50	2.30	6/6
2/4 x 3/2-3	83.50 x 37.50	84.50 x 38.50	84.00 x 38.00	22.83 x 15.75	2.50	22.83 x 15.50	2.46	6/6
2/4 x 3/8-3	83.50 x 43.50	84.50 x 44.50	84.00 x 44.00	22.83 x 18.75	2.97	22.83 x 18.50	2.93	6/6
2/4 x 3/10-3	83.50 x 45.50	84.50 x 46.50	84.00 x 46.00	22.83 x 19.75	3.13	22.83 x 19.50	3.09	6/6
2/4 x 4/0-3	83.50 x 47.50	84.50 x 48.50	84.00 x 48.00	22.83 x 20.75	3.29	22.83 x 20.50	3.25	6/6
2/4 x 4/2-3	83.50 x 49.50	84.50 x 50.50	84.00 x 50.00	22.83 x 21.75	3.45	22.83 x 21.50	3.41	6/6
2/4 x 4/4-3	83.50 x 51.50	84.50 x 52.50	84.00 x 52.00	22.83 x 22.75	3.61	22.83 x 22.50	3.57	6/6
2/4 x 4/6-3	83.50 x 53.50	84.50 x 54.50	84.00 x 54.00	22.83 x 23.75	3.77	22.83 x 23.50	3.73	6/6
2/4 x 5/0-3	83.50 x 59.50	84.50 x 60.50	84.00 x 60.00	22.83 x 26.75	4.24	22.83 x 26.50	4.20	6/6
2/4 x 5/2-3	83.50 x 61.50	84.50 x 62.50	84.00 x 62.00	22.83 x 27.75	4.40	22.83 x 27.50	4.36	6/6
2/4 x 5/6-3	83.50 x 65.50	84.50 x 66.50	84.00 x 66.00	22.83 x 29.75	4.72	22.83 x 29.50	4.68	6/6
2/4 x 6/0-3	83.50 x 71.50	84.50 x 72.50	84.00 x 72.00	22.83 x 32.75	5.19	22.83 x 32.50	5.15	6/6
2/4 x 6/2-3	83.50 x 73.50	84.50 x 74.50	84.00 x 74.00	22.83 x 33.75	5.35	22.83 x 33.50	5.31	9/9
2/4 x 6/6-3	83.50 x 77.50	84.50 x 78.50	84.00 x 78.00	22.83 x 35.75	5.67	22.83 x 35.50	5.63	9/9
*2/4 x 7/0-3	83.50 x 83.50	84.50 x 84.50	84.00 x 84.00	22.83 x 38.75	6.14	22.83 x 38.50	6.10	9/9
2/6 x 3/0-3	89.50 x 35.50	90.50 x 36.50	90.00 x 36.00	24.83 x 14.75	2.54	24.83 x 14.50	2.50	6/6
2/6 x 3/2-3	89.50 x 37.50	90.50 x 38.50	90.00 x 38.00	24.83 x 15.75	2.72	24.83 x 15.50	2.67	6/6
2/6 x 3/8-3	89.50 x 43.50	90.50 x 44.50	90.00 x 44.00	24.83 x 18.75	3.23	24.83 x 18.50	3.19	6/6
2/6 x 3/10-3	89.50 x 45.50	90.50 x 46.50	90.00 x 46.00	24.83 x 19.75	3.41	24.83 x 19.50	3.36	6/6
2/6 x 4/0-3	89.50 x 47.50	90.50 x 48.50	90.00 x 48.00	24.83 x 20.75	3.58	24.83 x 20.50	3.54	6/6
2/6 x 4/2-3	89.50 x 49.50	90.50 x 50.50	90.00 x 50.00	24.83 x 21.75	3.75	24.83 x 21.50	3.71	6/6
2/6 x 4/4-3	89.50 x 51.50	90.50 x 52.50	90.00 x 52.00	24.83 x 22.75	3.92	24.83 x 22.50	3.88	6/6
2/6 x 4/6-3	89.50 x 53.50	90.50 x 54.50	90.00 x 54.00	24.83 x 23.75	4.10	24.83 x 23.50	4.05	6/6
2/6 x 5/0-3	89.50 x 59.50	90.50 x 60.50	90.00 x 60.00	24.83 x 26.75	4.61	24.83 x 26.50	4.57	6/6
2/6 x 5/2-3	89.50 x 61.50	90.50 x 62.50	90.00 x 62.00	24.83 x 27.75	4.79	24.83 x 27.50	4.74	6/6
2/6 x 5/6-3	89.50 x 65.50	90.50 x 66.50	90.00 x 66.00	24.83 x 29.75	5.13	24.83 x 29.50	5.09	6/6
2/6 x 6/0-3	89.50 x 71.50	90.50 x 72.50	90.00 x 72.00	24.83 x 32.75	5.65	24.83 x 32.50	5.60	6/6
*2/6 x 6/2-3	89.50 x 73.50	90.50 x 74.50	90.00 x 74.00	24.83 x 33.75	5.82	24.83 x 33.50	5.78	9/9
*2/6 x 6/6-3	89.50 x 77.50	90.50 x 78.50	90.00 x 78.00	24.83 x 35.75	6.17	24.83 x 35.50	6.12	9/9
*2/6 x 7/0-3	89.50 x 83.50	90.50 x 84.50	90.00 x 84.00	24.83 x 38.75	6.68	24.83 x 38.50	6.64	9/9
2/8 x 3/0-3	95.50 x 35.50	96.50 x 36.50	96.00 x 36.00	26.83 x 14.75	2.75	26.83 x 14.50	2.70	6/6
2/8 x 3/2-3	95.50 x 37.50	96.50 x 38.50	96.00 x 38.00	26.83 x 15.75	2.93	26.83 x 15.50	2.89	6/6
2/8 x 3/8-3	95.50 x 43.50	96.50 x 44.50	96.00 x 44.00	26.83 x 18.75	3.49	26.83 x 18.50	3.45	6/6
2/8 x 3/10-3	95.50 x 45.50	96.50 x 46.50	96.00 x 46.00	26.83 x 19.75	3.68	26.83 x 19.50	3.63	6/6
2/8 x 4/0-3	95.50 x 47.50	96.50 x 48.50	96.00 x 48.00	26.83 x 20.75	3.87	26.83 x 20.50	3.82	6/6
2/8 x 4/2-3	95.50 x 49.50	96.50 x 50.50	96.00 x 50.00	26.83 x 21.75	4.05	26.83 x 21.50	4.01	6/6
2/8 x 4/4-3	95.50 x 51.50	96.50 x 52.50	96.00 x 52.00	26.83 x 22.75	4.24	26.83 x 22.50	4.19	6/6
2/8 x 4/6-3	95.50 x 53.50	96.50 x 54.50	96.00 x 54.00	26.83 x 23.75	4.43	26.83 x 23.50	4.38	6/6
2/8 x 5/0-3	95.50 x 59.50	96.50 x 60.50	96.00 x 60.00	26.83 x 26.75	4.98	26.83 x 26.50	4.94	6/6
2/8 x 5/2-3	95.50 x 61.50	96.50 x 62.50	96.00 x 62.00	26.83 x 27.75	5.17	26.83 x 27.50	5.12	6/6
2/8 x 5/6-3	95.50 x 65.50	96.50 x 66.50	96.00 x 66.00	26.83 x 29.75	5.54	26.83 x 29.50	5.50	6/6
*2/8 x 6/0-3	95.50 x 71.50	96.50 x 72.50	96.00 x 72.00	26.83 x 32.75	6.10	26.83 x 32.50	6.06	6/6
*2/8 x 6/2-3	95.50 x 73.50	96.50 x 74.50	96.00 x 74.00	26.83 x 33.75	6.29	26.83 x 33.50	6.24	9/9
*2/8 x 6/6-3	95.50 x 77.50	96.50 x 78.50	96.00 x 78.00	26.83 x 35.75	6.66	26.83 x 35.50	6.62	9/9
*2/8 x 7/0-3	95.50 x 83.50	96.50 x 84.50	96.00 x 84.00	26.83 x 38.75	7.22	26.83 x 38.50	7.17	9/9

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

TRIPLE SINGLE-HUNG – MODEL 1930

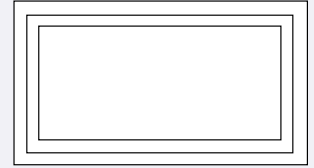


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
3/0 x 3/0-3	107.50 x 35.50	108.50 x 36.50	108.00 x 36.00	30.83 x 14.75	3.16	30.83 x 14.50	3.10	6/6
3/0 x 3/2-3	107.50 x 37.50	108.50 x 38.50	108.00 x 38.00	30.83 x 15.75	3.37	30.83 x 15.50	3.32	6/6
3/0 x 3/8-3	107.50 x 43.50	108.50 x 44.50	108.00 x 44.00	30.83 x 18.75	4.01	30.83 x 18.50	3.96	6/6
3/0 x 3/10-3	107.50 x 45.50	108.50 x 46.50	108.00 x 46.00	30.83 x 19.75	4.23	30.83 x 19.50	4.18	6/6
3/0 x 4/0-3	107.50 x 47.50	108.50 x 48.50	108.00 x 48.00	30.83 x 20.75	4.44	30.83 x 20.50	4.39	6/6
3/0 x 4/2-3	107.50 x 49.50	108.50 x 50.50	108.00 x 50.00	30.83 x 21.75	4.66	30.83 x 21.50	4.60	6/6
3/0 x 4/4-3	107.50 x 51.50	108.50 x 52.50	108.00 x 52.00	30.83 x 22.75	4.87	30.83 x 22.50	4.82	6/6
3/0 x 4/6-3	107.50 x 53.50	108.50 x 54.50	108.00 x 54.00	30.83 x 23.75	5.09	30.83 x 23.50	5.03	6/6
*3/0 x 5/0-3	107.50 x 59.50	108.50 x 60.50	108.00 x 60.00	30.83 x 26.75	5.73	30.83 x 26.50	5.67	6/6
*3/0 x 5/2-3	107.50 x 61.50	108.50 x 62.50	108.00 x 62.00	30.83 x 27.75	5.94	30.83 x 27.50	5.89	6/6
*3/0 x 5/6-3	107.50 x 65.50	108.50 x 66.50	108.00 x 66.00	30.83 x 29.75	6.37	30.83 x 29.50	6.32	6/6
*3/0 x 6/0-3	107.50 x 71.50	108.50 x 72.50	108.00 x 72.00	30.83 x 32.75	7.01	30.83 x 32.50	6.96	6/6
*3/0 x 6/2-3	107.50 x 73.50	108.50 x 74.50	108.00 x 74.00	30.83 x 33.75	7.23	30.83 x 33.50	7.17	9/9

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

PICTURE WINDOW – MODEL 1904



Size Limitations*			
	Width	Height	U.I.
Min	11.50"	11.50"	
Max	54"	96"	156"
	72"	84"	

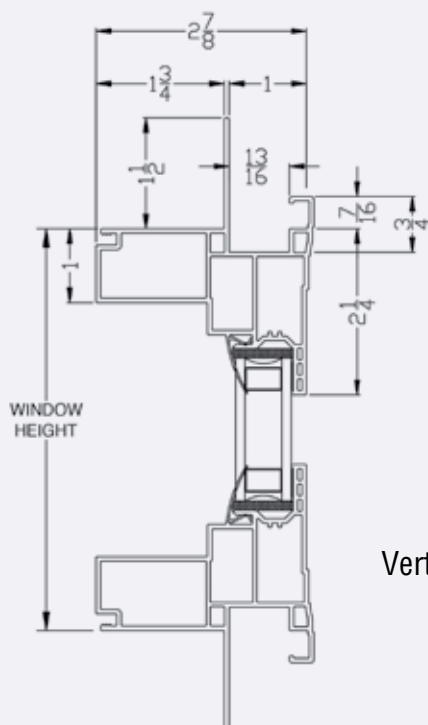
*Dimensions are reversible

Actual Window Size Formulas – Per Opening	
Actual Window Width	Actual Window Height
Rough Opening – 0.5"	Rough Opening – 0.5"

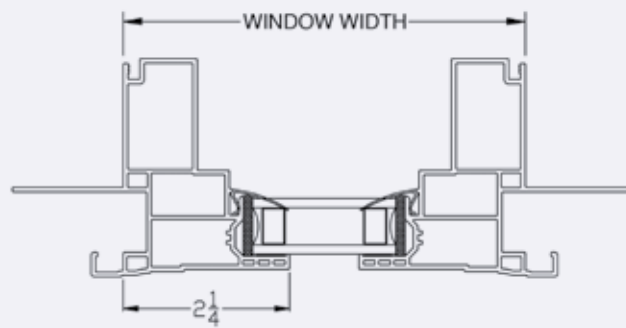
Exterior Dimension W/J-Channel Formulas – Per Opening	
Exterior Dimension Width	Exterior Dimension Height
Rough Opening + 1"	Rough Opening + 1"

Visible Glass Formulas – Per Opening	
Visible Glass Width (VGW)	Visible Glass Height (VGH)
FW – 5"	FH – 5"

Total Visible Glass Square Foot Formula
Visible Glass Width x Visible Glass Height / 144

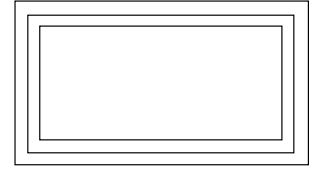


Vertical Cross Section



Horizontal Cross Section

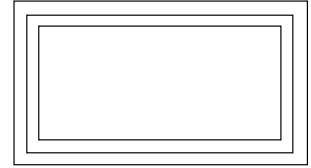
PICTURE WINDOW – MODEL 1904



Default Colonial Grid Pattern – Full

		Width					
		Up to 24"	24"+ to 36"	36"+ to 48"	48"+ to 60"	60"+ to 72"	72"+
Height	Up to 12"	2	3	4	5	6	7
	12"+ to 32"	4	6	8	10	12	14
	32"+ to 45"	6	9	12	15	18	21
	45"+ to 72.5"	8	12	16	20	24	28
	72.5"+	12	18	24	30	36	42

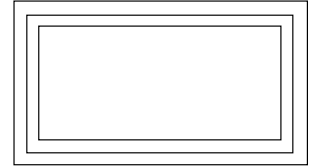
PICTURE WINDOW – MODEL 1904



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
1/0 x 1/0	11.50 x 11.50	12.50 x 12.50	12.00 x 12.00	6.50 x 6.50	0.29	2
1/0 x 1/6	11.50 x 17.50	12.50 x 18.50	12.00 x 18.00	6.50 x 12.50	0.56	4
1/0 x 2/0	11.50 x 23.50	12.50 x 24.50	12.00 x 24.00	6.50 x 18.50	0.84	4
1/0 x 2/4	11.50 x 27.50	12.50 x 28.50	12.00 x 28.00	6.50 x 22.50	1.02	4
1/0 x 2/8	11.50 x 31.50	12.50 x 32.50	12.00 x 32.00	6.50 x 26.50	1.20	4
1/0 x 2/10	11.50 x 33.50	12.50 x 34.50	12.00 x 34.00	6.50 x 28.50	1.29	6
1/0 x 3/0	11.50 x 35.50	12.50 x 36.50	12.00 x 36.00	6.50 x 30.50	1.38	6
1/0 x 3/2	11.50 x 37.50	12.50 x 38.50	12.00 x 38.00	6.50 x 32.50	1.47	6
1/0 x 3/8	11.50 x 43.50	12.50 x 44.50	12.00 x 44.00	6.50 x 38.50	1.74	6
1/0 x 3/10	11.50 x 45.50	12.50 x 46.50	12.00 x 46.00	6.50 x 40.50	1.83	8
1/0 x 4/0	11.50 x 47.50	12.50 x 48.50	12.00 x 48.00	6.50 x 42.50	1.92	8
1/0 x 4/2	11.50 x 49.50	12.50 x 50.50	12.00 x 50.00	6.50 x 44.50	2.01	8
1/0 x 4/4	11.50 x 51.50	12.50 x 52.50	12.00 x 52.00	6.50 x 46.50	2.10	8
1/0 x 4/6	11.50 x 53.50	12.50 x 54.50	12.00 x 54.00	6.50 x 48.50	2.19	8
1/0 x 5/0	11.50 x 59.50	12.50 x 60.50	12.00 x 60.00	6.50 x 54.50	2.46	8
1/0 x 5/2	11.50 x 61.50	12.50 x 62.50	12.00 x 62.00	6.50 x 56.50	2.55	8
1/0 x 5/6	11.50 x 65.50	12.50 x 66.50	12.00 x 66.00	6.50 x 60.50	2.73	8
1/0 x 6/0	11.50 x 71.50	12.50 x 72.50	12.00 x 72.00	6.50 x 66.50	3.00	8
1/0 x 6/2	11.50 x 73.50	12.50 x 74.50	12.00 x 74.00	6.50 x 68.50	3.09	12
1/0 x 6/6	11.50 x 77.50	12.50 x 78.50	12.00 x 78.00	6.50 x 72.50	3.27	12
1/0 x 7/0	11.50 x 83.50	12.50 x 84.50	12.00 x 84.00	6.50 x 78.50	3.54	12
1/0 x 7/6	11.50 x 89.50	12.50 x 90.50	12.00 x 90.00	6.50 x 84.50	3.81	12
1/0 x 8/0	11.50 x 95.50	12.50 x 96.50	12.00 x 96.00	6.50 x 90.50	4.09	12
1/6 x 1/0	17.50 x 11.50	18.50 x 12.50	18.00 x 12.00	12.50 x 6.50	0.56	2
1/6 x 1/6	17.50 x 17.50	18.50 x 18.50	18.00 x 18.00	12.50 x 12.50	1.09	4
1/6 x 2/0	17.50 x 23.50	18.50 x 24.50	18.00 x 24.00	12.50 x 18.50	1.61	4
1/6 x 2/4	17.50 x 27.50	18.50 x 28.50	18.00 x 28.00	12.50 x 22.50	1.95	4
1/6 x 2/8	17.50 x 31.50	18.50 x 32.50	18.00 x 32.00	12.50 x 26.50	2.30	4
1/6 x 2/10	17.50 x 33.50	18.50 x 34.50	18.00 x 34.00	12.50 x 28.50	2.47	6
1/6 x 3/0	17.50 x 35.50	18.50 x 36.50	18.00 x 36.00	12.50 x 30.50	2.65	6
1/6 x 3/2	17.50 x 37.50	18.50 x 38.50	18.00 x 38.00	12.50 x 32.50	2.82	6
1/6 x 3/8	17.50 x 43.50	18.50 x 44.50	18.00 x 44.00	12.50 x 38.50	3.34	6
1/6 x 3/10	17.50 x 45.50	18.50 x 46.50	18.00 x 46.00	12.50 x 40.50	3.52	8
1/6 x 4/0	17.50 x 47.50	18.50 x 48.50	18.00 x 48.00	12.50 x 42.50	3.69	8
1/6 x 4/2	17.50 x 49.50	18.50 x 50.50	18.00 x 50.00	12.50 x 44.50	3.86	8
1/6 x 4/4	17.50 x 51.50	18.50 x 52.50	18.00 x 52.00	12.50 x 46.50	4.04	8
1/6 x 4/6	17.50 x 53.50	18.50 x 54.50	18.00 x 54.00	12.50 x 48.50	4.21	8
1/6 x 5/0	17.50 x 59.50	18.50 x 60.50	18.00 x 60.00	12.50 x 54.50	4.73	8
1/6 x 5/2	17.50 x 61.50	18.50 x 62.50	18.00 x 62.00	12.50 x 56.50	4.90	8
1/6 x 5/6	17.50 x 65.50	18.50 x 66.50	18.00 x 66.00	12.50 x 60.50	5.25	8
1/6 x 6/0	17.50 x 71.50	18.50 x 72.50	18.00 x 72.00	12.50 x 66.50	5.77	8
1/6 x 6/2	17.50 x 73.50	18.50 x 74.50	18.00 x 74.00	12.50 x 68.50	5.95	12
1/6 x 6/6	17.50 x 77.50	18.50 x 78.50	18.00 x 78.00	12.50 x 72.50	6.29	12
1/6 x 7/0	17.50 x 83.50	18.50 x 84.50	18.00 x 84.00	12.50 x 78.50	6.81	12
1/6 x 7/6	17.50 x 89.50	18.50 x 90.50	18.00 x 90.00	12.50 x 84.50	7.34	12
1/6 x 8/0	17.50 x 95.50	18.50 x 96.50	18.00 x 96.00	12.50 x 90.50	7.86	12

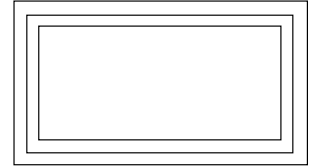
PICTURE WINDOW – MODEL 1904



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
1/8 x 1/0	19.50 x 11.50	20.50 x 12.50	20.00 x 12.00	14.50 x 6.50	0.65	2
1/8 x 1/6	19.50 x 17.50	20.50 x 18.50	20.00 x 18.00	14.50 x 12.50	1.26	4
1/8 x 2/0	19.50 x 23.50	20.50 x 24.50	20.00 x 24.00	14.50 x 18.50	1.86	4
1/8 x 2/4	19.50 x 27.50	20.50 x 28.50	20.00 x 28.00	14.50 x 22.50	2.27	4
1/8 x 2/8	19.50 x 31.50	20.50 x 32.50	20.00 x 32.00	14.50 x 26.50	2.67	4
1/8 x 2/10	19.50 x 33.50	20.50 x 34.50	20.00 x 34.00	14.50 x 28.50	2.87	6
1/8 x 3/0	19.50 x 35.50	20.50 x 36.50	20.00 x 36.00	14.50 x 30.50	3.07	6
1/8 x 3/2	19.50 x 37.50	20.50 x 38.50	20.00 x 38.00	14.50 x 32.50	3.27	6
1/8 x 3/8	19.50 x 43.50	20.50 x 44.50	20.00 x 44.00	14.50 x 38.50	3.88	6
1/8 x 3/10	19.50 x 45.50	20.50 x 46.50	20.00 x 46.00	14.50 x 40.50	4.08	8
1/8 x 4/0	19.50 x 47.50	20.50 x 48.50	20.00 x 48.00	14.50 x 42.50	4.28	8
1/8 x 4/2	19.50 x 49.50	20.50 x 50.50	20.00 x 50.00	14.50 x 44.50	4.48	8
1/8 x 4/4	19.50 x 51.50	20.50 x 52.50	20.00 x 52.00	14.50 x 46.50	4.68	8
1/8 x 4/6	19.50 x 53.50	20.50 x 54.50	20.00 x 54.00	14.50 x 48.50	4.88	8
1/8 x 5/0	19.50 x 59.50	20.50 x 60.50	20.00 x 60.00	14.50 x 54.50	5.49	8
1/8 x 5/2	19.50 x 61.50	20.50 x 62.50	20.00 x 62.00	14.50 x 56.50	5.69	8
1/8 x 5/6	19.50 x 65.50	20.50 x 66.50	20.00 x 66.00	14.50 x 60.50	6.09	8
1/8 x 6/0	19.50 x 71.50	20.50 x 72.50	20.00 x 72.00	14.50 x 66.50	6.70	8
1/8 x 6/2	19.50 x 73.50	20.50 x 74.50	20.00 x 74.00	14.50 x 68.50	6.90	12
1/8 x 6/6	19.50 x 77.50	20.50 x 78.50	20.00 x 78.00	14.50 x 72.50	7.30	12
1/8 x 7/0	19.50 x 83.50	20.50 x 84.50	20.00 x 84.00	14.50 x 78.50	7.90	12
1/8 x 7/6	19.50 x 89.50	20.50 x 90.50	20.00 x 90.00	14.50 x 84.50	8.51	12
1/8 x 8/0	19.50 x 95.50	20.50 x 96.50	20.00 x 96.00	14.50 x 90.50	9.11	12
2/0 x 1/0	23.50 x 11.50	24.50 x 12.50	24.00 x 12.00	18.50 x 6.50	0.84	2
2/0 x 1/6	23.50 x 17.50	24.50 x 18.50	24.00 x 18.00	18.50 x 12.50	1.61	4
2/0 x 2/0	23.50 x 23.50	24.50 x 24.50	24.00 x 24.00	18.50 x 18.50	2.38	4
2/0 x 2/4	23.50 x 27.50	24.50 x 28.50	24.00 x 28.00	18.50 x 22.50	2.89	4
2/0 x 2/8	23.50 x 31.50	24.50 x 32.50	24.00 x 32.00	18.50 x 26.50	3.40	4
2/0 x 2/10	23.50 x 33.50	24.50 x 34.50	24.00 x 34.00	18.50 x 28.50	3.66	6
2/0 x 3/0	23.50 x 35.50	24.50 x 36.50	24.00 x 36.00	18.50 x 30.50	3.92	6
2/0 x 3/2	23.50 x 37.50	24.50 x 38.50	24.00 x 38.00	18.50 x 32.50	4.18	6
2/0 x 3/8	23.50 x 43.50	24.50 x 44.50	24.00 x 44.00	18.50 x 38.50	4.95	6
2/0 x 3/10	23.50 x 45.50	24.50 x 46.50	24.00 x 46.00	18.50 x 40.50	5.20	8
2/0 x 4/0	23.50 x 47.50	24.50 x 48.50	24.00 x 48.00	18.50 x 42.50	5.46	8
2/0 x 4/2	23.50 x 49.50	24.50 x 50.50	24.00 x 50.00	18.50 x 44.50	5.72	8
2/0 x 4/4	23.50 x 51.50	24.50 x 52.50	24.00 x 52.00	18.50 x 46.50	5.97	8
2/0 x 4/6	23.50 x 53.50	24.50 x 54.50	24.00 x 54.00	18.50 x 48.50	6.23	8
2/0 x 5/0	23.50 x 59.50	24.50 x 60.50	24.00 x 60.00	18.50 x 54.50	7.00	8
2/0 x 5/2	23.50 x 61.50	24.50 x 62.50	24.00 x 62.00	18.50 x 56.50	7.26	8
2/0 x 5/6	23.50 x 65.50	24.50 x 66.50	24.00 x 66.00	18.50 x 60.50	7.77	8
2/0 x 6/0	23.50 x 71.50	24.50 x 72.50	24.00 x 72.00	18.50 x 66.50	8.54	8
2/0 x 6/2	23.50 x 73.50	24.50 x 74.50	24.00 x 74.00	18.50 x 68.50	8.80	12
2/0 x 6/6	23.50 x 77.50	24.50 x 78.50	24.00 x 78.00	18.50 x 72.50	9.31	12
2/0 x 7/0	23.50 x 83.50	24.50 x 84.50	24.00 x 84.00	18.50 x 78.50	10.09	12
2/0 x 7/6	23.50 x 89.50	24.50 x 90.50	24.00 x 90.00	18.50 x 84.50	10.86	12
2/0 x 8/0	23.50 x 95.50	24.50 x 96.50	24.00 x 96.00	18.50 x 90.50	11.63	12

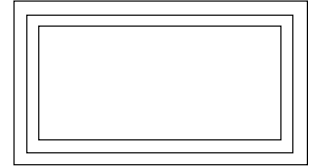
PICTURE WINDOW – MODEL 1904



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
2/4 x 1/0	27.50 x 11.50	28.50 x 12.50	28.00 x 12.00	22.50 x 6.50	1.02	3
2/4 x 1/6	27.50 x 17.50	28.50 x 18.50	28.00 x 18.00	22.50 x 12.50	1.95	6
2/4 x 2/0	27.50 x 23.50	28.50 x 24.50	28.00 x 24.00	22.50 x 18.50	2.89	6
2/4 x 2/4	27.50 x 27.50	28.50 x 28.50	28.00 x 28.00	22.50 x 22.50	3.52	6
2/4 x 2/8	27.50 x 31.50	28.50 x 32.50	28.00 x 32.00	22.50 x 26.50	4.14	6
2/4 x 2/10	27.50 x 33.50	28.50 x 34.50	28.00 x 34.00	22.50 x 28.50	4.45	9
2/4 x 3/0	27.50 x 35.50	28.50 x 36.50	28.00 x 36.00	22.50 x 30.50	4.77	9
2/4 x 3/2	27.50 x 37.50	28.50 x 38.50	28.00 x 38.00	22.50 x 32.50	5.08	9
2/4 x 3/8	27.50 x 43.50	28.50 x 44.50	28.00 x 44.00	22.50 x 38.50	6.02	9
2/4 x 3/10	27.50 x 45.50	28.50 x 46.50	28.00 x 46.00	22.50 x 40.50	6.33	12
2/4 x 4/0	27.50 x 47.50	28.50 x 48.50	28.00 x 48.00	22.50 x 42.50	6.64	12
2/4 x 4/2	27.50 x 49.50	28.50 x 50.50	28.00 x 50.00	22.50 x 44.50	6.95	12
2/4 x 4/4	27.50 x 51.50	28.50 x 52.50	28.00 x 52.00	22.50 x 46.50	7.27	12
2/4 x 4/6	27.50 x 53.50	28.50 x 54.50	28.00 x 54.00	22.50 x 48.50	7.58	12
2/4 x 5/0	27.50 x 59.50	28.50 x 60.50	28.00 x 60.00	22.50 x 54.50	8.52	12
2/4 x 5/2	27.50 x 61.50	28.50 x 62.50	28.00 x 62.00	22.50 x 56.50	8.83	12
2/4 x 5/6	27.50 x 65.50	28.50 x 66.50	28.00 x 66.00	22.50 x 60.50	9.45	12
2/4 x 6/0	27.50 x 71.50	28.50 x 72.50	28.00 x 72.00	22.50 x 66.50	10.39	12
2/4 x 6/2	27.50 x 73.50	28.50 x 74.50	28.00 x 74.00	22.50 x 68.50	10.70	18
2/4 x 6/6	27.50 x 77.50	28.50 x 78.50	28.00 x 78.00	22.50 x 72.50	11.33	18
2/4 x 7/0	27.50 x 83.50	28.50 x 84.50	28.00 x 84.00	22.50 x 78.50	12.27	18
2/4 x 7/6	27.50 x 89.50	28.50 x 90.50	28.00 x 90.00	22.50 x 84.50	13.20	18
2/4 x 8/0	27.50 x 95.50	28.50 x 96.50	28.00 x 96.00	22.50 x 90.50	14.14	18
2/6 x 1/0	29.50 x 11.50	30.50 x 12.50	30.00 x 12.00	24.50 x 6.50	1.11	3
2/6 x 1/6	29.50 x 17.50	30.50 x 18.50	30.00 x 18.00	24.50 x 12.50	2.13	6
2/6 x 2/0	29.50 x 23.50	30.50 x 24.50	30.00 x 24.00	24.50 x 18.50	3.15	6
2/6 x 2/4	29.50 x 27.50	30.50 x 28.50	30.00 x 28.00	24.50 x 22.50	3.83	6
2/6 x 2/8	29.50 x 31.50	30.50 x 32.50	30.00 x 32.00	24.50 x 26.50	4.51	6
2/6 x 2/10	29.50 x 33.50	30.50 x 34.50	30.00 x 34.00	24.50 x 28.50	4.85	9
2/6 x 3/0	29.50 x 35.50	30.50 x 36.50	30.00 x 36.00	24.50 x 30.50	5.19	9
2/6 x 3/2	29.50 x 37.50	30.50 x 38.50	30.00 x 38.00	24.50 x 32.50	5.53	9
2/6 x 3/8	29.50 x 43.50	30.50 x 44.50	30.00 x 44.00	24.50 x 38.50	6.55	9
2/6 x 3/10	29.50 x 45.50	30.50 x 46.50	30.00 x 46.00	24.50 x 40.50	6.89	12
2/6 x 4/0	29.50 x 47.50	30.50 x 48.50	30.00 x 48.00	24.50 x 42.50	7.23	12
2/6 x 4/2	29.50 x 49.50	30.50 x 50.50	30.00 x 50.00	24.50 x 44.50	7.57	12
2/6 x 4/4	29.50 x 51.50	30.50 x 52.50	30.00 x 52.00	24.50 x 46.50	7.91	12
2/6 x 4/6	29.50 x 53.50	30.50 x 54.50	30.00 x 54.00	24.50 x 48.50	8.25	12
2/6 x 5/0	29.50 x 59.50	30.50 x 60.50	30.00 x 60.00	24.50 x 54.50	9.27	12
2/6 x 5/2	29.50 x 61.50	30.50 x 62.50	30.00 x 62.00	24.50 x 56.50	9.61	12
2/6 x 5/6	29.50 x 65.50	30.50 x 66.50	30.00 x 66.00	24.50 x 60.50	10.29	12
2/6 x 6/0	29.50 x 71.50	30.50 x 72.50	30.00 x 72.00	24.50 x 66.50	11.31	12
2/6 x 6/2	29.50 x 73.50	30.50 x 74.50	30.00 x 74.00	24.50 x 68.50	11.65	18
2/6 x 6/6	29.50 x 77.50	30.50 x 78.50	30.00 x 78.00	24.50 x 72.50	12.34	18
2/6 x 7/0	29.50 x 83.50	30.50 x 84.50	30.00 x 84.00	24.50 x 78.50	13.36	18
2/6 x 7/6	29.50 x 89.50	30.50 x 90.50	30.00 x 90.00	24.50 x 84.50	14.38	18
2/6 x 8/0	29.50 x 95.50	30.50 x 96.50	30.00 x 96.00	24.50 x 90.50	15.40	18

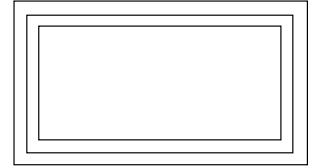
PICTURE WINDOW – MODEL 1904



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
2/8 x 1/0	31.50 x 11.50	32.50 x 12.50	32.00 x 12.00	26.50 x 6.50	1.20	3
2/8 x 1/6	31.50 x 17.50	32.50 x 18.50	32.00 x 18.00	26.50 x 12.50	2.30	6
2/8 x 2/0	31.50 x 23.50	32.50 x 24.50	32.00 x 24.00	26.50 x 18.50	3.40	6
2/8 x 2/4	31.50 x 27.50	32.50 x 28.50	32.00 x 28.00	26.50 x 22.50	4.14	6
2/8 x 2/8	31.50 x 31.50	32.50 x 32.50	32.00 x 32.00	26.50 x 26.50	4.88	6
2/8 x 2/10	31.50 x 33.50	32.50 x 34.50	32.00 x 34.00	26.50 x 28.50	5.24	9
2/8 x 3/0	31.50 x 35.50	32.50 x 36.50	32.00 x 36.00	26.50 x 30.50	5.61	9
2/8 x 3/2	31.50 x 37.50	32.50 x 38.50	32.00 x 38.00	26.50 x 32.50	5.98	9
2/8 x 3/8	31.50 x 43.50	32.50 x 44.50	32.00 x 44.00	26.50 x 38.50	7.09	9
2/8 x 3/10	31.50 x 45.50	32.50 x 46.50	32.00 x 46.00	26.50 x 40.50	7.45	12
2/8 x 4/0	31.50 x 47.50	32.50 x 48.50	32.00 x 48.00	26.50 x 42.50	7.82	12
2/8 x 4/2	31.50 x 49.50	32.50 x 50.50	32.00 x 50.00	26.50 x 44.50	8.19	12
2/8 x 4/4	31.50 x 51.50	32.50 x 52.50	32.00 x 52.00	26.50 x 46.50	8.56	12
2/8 x 4/6	31.50 x 53.50	32.50 x 54.50	32.00 x 54.00	26.50 x 48.50	8.93	12
2/8 x 5/0	31.50 x 59.50	32.50 x 60.50	32.00 x 60.00	26.50 x 54.50	10.03	12
2/8 x 5/2	31.50 x 61.50	32.50 x 62.50	32.00 x 62.00	26.50 x 56.50	10.40	12
2/8 x 5/6	31.50 x 65.50	32.50 x 66.50	32.00 x 66.00	26.50 x 60.50	11.13	12
2/8 x 6/0	31.50 x 71.50	32.50 x 72.50	32.00 x 72.00	26.50 x 66.50	12.24	12
2/8 x 6/2	31.50 x 73.50	32.50 x 74.50	32.00 x 74.00	26.50 x 68.50	12.61	18
2/8 x 6/6	31.50 x 77.50	32.50 x 78.50	32.00 x 78.00	26.50 x 72.50	13.34	18
2/8 x 7/0	31.50 x 83.50	32.50 x 84.50	32.00 x 84.00	26.50 x 78.50	14.45	18
2/8 x 7/6	31.50 x 89.50	32.50 x 90.50	32.00 x 90.00	26.50 x 84.50	15.55	18
2/8 x 8/0	31.50 x 95.50	32.50 x 96.50	32.00 x 96.00	26.50 x 90.50	16.65	18
3/0 x 1/0	35.50 x 11.50	36.50 x 12.50	36.00 x 12.00	30.50 x 6.50	1.38	3
3/0 x 1/6	35.50 x 17.50	36.50 x 18.50	36.00 x 18.00	30.50 x 12.50	2.65	6
3/0 x 2/0	35.50 x 23.50	36.50 x 24.50	36.00 x 24.00	30.50 x 18.50	3.92	6
3/0 x 2/4	35.50 x 27.50	36.50 x 28.50	36.00 x 28.00	30.50 x 22.50	4.77	6
3/0 x 2/8	35.50 x 31.50	36.50 x 32.50	36.00 x 32.00	30.50 x 26.50	5.61	6
3/0 x 2/10	35.50 x 33.50	36.50 x 34.50	36.00 x 34.00	30.50 x 28.50	6.04	9
3/0 x 3/0	35.50 x 35.50	36.50 x 36.50	36.00 x 36.00	30.50 x 30.50	6.46	9
3/0 x 3/2	35.50 x 37.50	36.50 x 38.50	36.00 x 38.00	30.50 x 32.50	6.88	9
3/0 x 3/8	35.50 x 43.50	36.50 x 44.50	36.00 x 44.00	30.50 x 38.50	8.15	9
3/0 x 3/10	35.50 x 45.50	36.50 x 46.50	36.00 x 46.00	30.50 x 40.50	8.58	12
3/0 x 4/0	35.50 x 47.50	36.50 x 48.50	36.00 x 48.00	30.50 x 42.50	9.00	12
3/0 x 4/2	35.50 x 49.50	36.50 x 50.50	36.00 x 50.00	30.50 x 44.50	9.43	12
3/0 x 4/4	35.50 x 51.50	36.50 x 52.50	36.00 x 52.00	30.50 x 46.50	9.85	12
3/0 x 4/6	35.50 x 53.50	36.50 x 54.50	36.00 x 54.00	30.50 x 48.50	10.27	12
3/0 x 5/0	35.50 x 59.50	36.50 x 60.50	36.00 x 60.00	30.50 x 54.50	11.54	12
3/0 x 5/2	35.50 x 61.50	36.50 x 62.50	36.00 x 62.00	30.50 x 56.50	11.97	12
3/0 x 5/6	35.50 x 65.50	36.50 x 66.50	36.00 x 66.00	30.50 x 60.50	12.81	12
3/0 x 6/0	35.50 x 71.50	36.50 x 72.50	36.00 x 72.00	30.50 x 66.50	14.09	12
3/0 x 6/2	35.50 x 73.50	36.50 x 74.50	36.00 x 74.00	30.50 x 68.50	14.51	18
3/0 x 6/6	35.50 x 77.50	36.50 x 78.50	36.00 x 78.00	30.50 x 72.50	15.36	18
3/0 x 7/0	35.50 x 83.50	36.50 x 84.50	36.00 x 84.00	30.50 x 78.50	16.63	18
3/0 x 7/6	35.50 x 89.50	36.50 x 90.50	36.00 x 90.00	30.50 x 84.50	17.90	18
3/0 x 8/0	35.50 x 95.50	36.50 x 96.50	36.00 x 96.00	30.50 x 90.50	19.17	18

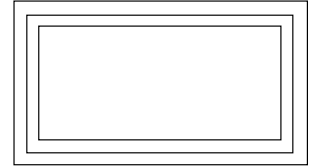
PICTURE WINDOW – MODEL 1904



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
3/2 x 1/0	37.50 x 11.50	38.50 x 12.50	38.00 x 12.00	32.50 x 6.50	1.47	4
3/2 x 1/6	37.50 x 17.50	38.50 x 18.50	38.00 x 18.00	32.50 x 12.50	2.82	8
3/2 x 2/0	37.50 x 23.50	38.50 x 24.50	38.00 x 24.00	32.50 x 18.50	4.18	8
3/2 x 2/4	37.50 x 27.50	38.50 x 28.50	38.00 x 28.00	32.50 x 22.50	5.08	8
3/2 x 2/8	37.50 x 31.50	38.50 x 32.50	38.00 x 32.00	32.50 x 26.50	5.98	8
3/2 x 2/10	37.50 x 33.50	38.50 x 34.50	38.00 x 34.00	32.50 x 28.50	6.43	12
3/2 x 3/0	37.50 x 35.50	38.50 x 36.50	38.00 x 36.00	32.50 x 30.50	6.88	12
3/2 x 3/2	37.50 x 37.50	38.50 x 38.50	38.00 x 38.00	32.50 x 32.50	7.34	12
3/2 x 3/8	37.50 x 43.50	38.50 x 44.50	38.00 x 44.00	32.50 x 38.50	8.69	12
3/2 x 3/10	37.50 x 45.50	38.50 x 46.50	38.00 x 46.00	32.50 x 40.50	9.14	16
3/2 x 4/0	37.50 x 47.50	38.50 x 48.50	38.00 x 48.00	32.50 x 42.50	9.59	16
3/2 x 4/2	37.50 x 49.50	38.50 x 50.50	38.00 x 50.00	32.50 x 44.50	10.04	16
3/2 x 4/4	37.50 x 51.50	38.50 x 52.50	38.00 x 52.00	32.50 x 46.50	10.49	16
3/2 x 4/6	37.50 x 53.50	38.50 x 54.50	38.00 x 54.00	32.50 x 48.50	10.95	16
3/2 x 5/0	37.50 x 59.50	38.50 x 60.50	38.00 x 60.00	32.50 x 54.50	12.30	16
3/2 x 5/2	37.50 x 61.50	38.50 x 62.50	38.00 x 62.00	32.50 x 56.50	12.75	16
3/2 x 5/6	37.50 x 65.50	38.50 x 66.50	38.00 x 66.00	32.50 x 60.50	13.65	16
3/2 x 6/0	37.50 x 71.50	38.50 x 72.50	38.00 x 72.00	32.50 x 66.50	15.01	16
3/2 x 6/2	37.50 x 73.50	38.50 x 74.50	38.00 x 74.00	32.50 x 68.50	15.46	24
3/2 x 6/6	37.50 x 77.50	38.50 x 78.50	38.00 x 78.00	32.50 x 72.50	16.36	24
3/2 x 7/0	37.50 x 83.50	38.50 x 84.50	38.00 x 84.00	32.50 x 78.50	17.72	24
3/2 x 7/6	37.50 x 89.50	38.50 x 90.50	38.00 x 90.00	32.50 x 84.50	19.07	24
3/2 x 8/0	37.50 x 95.50	38.50 x 96.50	38.00 x 96.00	32.50 x 90.50	20.43	24
3/4 x 1/0	39.50 x 11.50	40.50 x 12.50	40.00 x 12.00	34.50 x 6.50	1.56	4
3/4 x 1/6	39.50 x 17.50	40.50 x 18.50	40.00 x 18.00	34.50 x 12.50	2.99	8
3/4 x 2/0	39.50 x 23.50	40.50 x 24.50	40.00 x 24.00	34.50 x 18.50	4.43	8
3/4 x 2/4	39.50 x 27.50	40.50 x 28.50	40.00 x 28.00	34.50 x 22.50	5.39	8
3/4 x 2/8	39.50 x 31.50	40.50 x 32.50	40.00 x 32.00	34.50 x 26.50	6.35	8
3/4 x 2/10	39.50 x 33.50	40.50 x 34.50	40.00 x 34.00	34.50 x 28.50	6.83	12
3/4 x 3/0	39.50 x 35.50	40.50 x 36.50	40.00 x 36.00	34.50 x 30.50	7.31	12
3/4 x 3/2	39.50 x 37.50	40.50 x 38.50	40.00 x 38.00	34.50 x 32.50	7.79	12
3/4 x 3/8	39.50 x 43.50	40.50 x 44.50	40.00 x 44.00	34.50 x 38.50	9.22	12
3/4 x 3/10	39.50 x 45.50	40.50 x 46.50	40.00 x 46.00	34.50 x 40.50	9.70	16
3/4 x 4/0	39.50 x 47.50	40.50 x 48.50	40.00 x 48.00	34.50 x 42.50	10.18	16
3/4 x 4/2	39.50 x 49.50	40.50 x 50.50	40.00 x 50.00	34.50 x 44.50	10.66	16
3/4 x 4/4	39.50 x 51.50	40.50 x 52.50	40.00 x 52.00	34.50 x 46.50	11.14	16
3/4 x 4/6	39.50 x 53.50	40.50 x 54.50	40.00 x 54.00	34.50 x 48.50	11.62	16
3/4 x 5/0	39.50 x 59.50	40.50 x 60.50	40.00 x 60.00	34.50 x 54.50	13.06	16
3/4 x 5/2	39.50 x 61.50	40.50 x 62.50	40.00 x 62.00	34.50 x 56.50	13.54	16
3/4 x 5/6	39.50 x 65.50	40.50 x 66.50	40.00 x 66.00	34.50 x 60.50	14.49	16
3/4 x 6/0	39.50 x 71.50	40.50 x 72.50	40.00 x 72.00	34.50 x 66.50	15.93	16
3/4 x 6/2	39.50 x 73.50	40.50 x 74.50	40.00 x 74.00	34.50 x 68.50	16.41	24
3/4 x 6/6	39.50 x 77.50	40.50 x 78.50	40.00 x 78.00	34.50 x 72.50	17.37	24
3/4 x 7/0	39.50 x 83.50	40.50 x 84.50	40.00 x 84.00	34.50 x 78.50	18.81	24
3/4 x 7/6	39.50 x 89.50	40.50 x 90.50	40.00 x 90.00	34.50 x 84.50	20.24	24
3/4 x 8/0	39.50 x 95.50	40.50 x 96.50	40.00 x 96.00	34.50 x 90.50	21.68	24

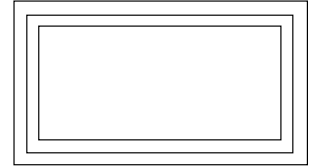
PICTURE WINDOW – MODEL 1904



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
3/6 x 1/0	41.50 x 11.50	42.50 x 12.50	42.00 x 12.00	36.50 x 6.50	1.65	4
3/6 x 1/6	41.50 x 17.50	42.50 x 18.50	42.00 x 18.00	36.50 x 12.50	3.17	8
3/6 x 2/0	41.50 x 23.50	42.50 x 24.50	42.00 x 24.00	36.50 x 18.50	4.69	8
3/6 x 2/4	41.50 x 27.50	42.50 x 28.50	42.00 x 28.00	36.50 x 22.50	5.70	8
3/6 x 2/8	41.50 x 31.50	42.50 x 32.50	42.00 x 32.00	36.50 x 26.50	6.72	8
3/6 x 2/10	41.50 x 33.50	42.50 x 34.50	42.00 x 34.00	36.50 x 28.50	7.22	12
3/6 x 3/0	41.50 x 35.50	42.50 x 36.50	42.00 x 36.00	36.50 x 30.50	7.73	12
3/6 x 3/2	41.50 x 37.50	42.50 x 38.50	42.00 x 38.00	36.50 x 32.50	8.24	12
3/6 x 3/8	41.50 x 43.50	42.50 x 44.50	42.00 x 44.00	36.50 x 38.50	9.76	12
3/6 x 3/10	41.50 x 45.50	42.50 x 46.50	42.00 x 46.00	36.50 x 40.50	10.27	16
3/6 x 4/0	41.50 x 47.50	42.50 x 48.50	42.00 x 48.00	36.50 x 42.50	10.77	16
3/6 x 4/2	41.50 x 49.50	42.50 x 50.50	42.00 x 50.00	36.50 x 44.50	11.28	16
3/6 x 4/4	41.50 x 51.50	42.50 x 52.50	42.00 x 52.00	36.50 x 46.50	11.79	16
3/6 x 4/6	41.50 x 53.50	42.50 x 54.50	42.00 x 54.00	36.50 x 48.50	12.29	16
3/6 x 5/0	41.50 x 59.50	42.50 x 60.50	42.00 x 60.00	36.50 x 54.50	13.81	16
3/6 x 5/2	41.50 x 61.50	42.50 x 62.50	42.00 x 62.00	36.50 x 56.50	14.32	16
3/6 x 5/6	41.50 x 65.50	42.50 x 66.50	42.00 x 66.00	36.50 x 60.50	15.34	16
3/6 x 6/0	41.50 x 71.50	42.50 x 72.50	42.00 x 72.00	36.50 x 66.50	16.86	16
3/6 x 6/2	41.50 x 73.50	42.50 x 74.50	42.00 x 74.00	36.50 x 68.50	17.36	24
3/6 x 6/6	41.50 x 77.50	42.50 x 78.50	42.00 x 78.00	36.50 x 72.50	18.38	24
3/6 x 7/0	41.50 x 83.50	42.50 x 84.50	42.00 x 84.00	36.50 x 78.50	19.90	24
3/6 x 7/6	41.50 x 89.50	42.50 x 90.50	42.00 x 90.00	36.50 x 84.50	21.42	24
3/6 x 8/0	41.50 x 95.50	42.50 x 96.50	42.00 x 96.00	36.50 x 90.50	22.94	24
3/8 x 1/0	43.50 x 11.50	44.50 x 12.50	44.00 x 12.00	38.50 x 6.50	1.74	4
3/8 x 1/6	43.50 x 17.50	44.50 x 18.50	44.00 x 18.00	38.50 x 12.50	3.34	8
3/8 x 2/0	43.50 x 23.50	44.50 x 24.50	44.00 x 24.00	38.50 x 18.50	4.95	8
3/8 x 2/4	43.50 x 27.50	44.50 x 28.50	44.00 x 28.00	38.50 x 22.50	6.02	8
3/8 x 2/8	43.50 x 31.50	44.50 x 32.50	44.00 x 32.00	38.50 x 26.50	7.09	8
3/8 x 2/10	43.50 x 33.50	44.50 x 34.50	44.00 x 34.00	38.50 x 28.50	7.62	12
3/8 x 3/0	43.50 x 35.50	44.50 x 36.50	44.00 x 36.00	38.50 x 30.50	8.15	12
3/8 x 3/2	43.50 x 37.50	44.50 x 38.50	44.00 x 38.00	38.50 x 32.50	8.69	12
3/8 x 3/8	43.50 x 43.50	44.50 x 44.50	44.00 x 44.00	38.50 x 38.50	10.29	12
3/8 x 3/10	43.50 x 45.50	44.50 x 46.50	44.00 x 46.00	38.50 x 40.50	10.83	16
3/8 x 4/0	43.50 x 47.50	44.50 x 48.50	44.00 x 48.00	38.50 x 42.50	11.36	16
3/8 x 4/2	43.50 x 49.50	44.50 x 50.50	44.00 x 50.00	38.50 x 44.50	11.90	16
3/8 x 4/4	43.50 x 51.50	44.50 x 52.50	44.00 x 52.00	38.50 x 46.50	12.43	16
3/8 x 4/6	43.50 x 53.50	44.50 x 54.50	44.00 x 54.00	38.50 x 48.50	12.97	16
3/8 x 5/0	43.50 x 59.50	44.50 x 60.50	44.00 x 60.00	38.50 x 54.50	14.57	16
3/8 x 5/2	43.50 x 61.50	44.50 x 62.50	44.00 x 62.00	38.50 x 56.50	15.11	16
3/8 x 5/6	43.50 x 65.50	44.50 x 66.50	44.00 x 66.00	38.50 x 60.50	16.18	16
3/8 x 6/0	43.50 x 71.50	44.50 x 72.50	44.00 x 72.00	38.50 x 66.50	17.78	16
3/8 x 6/2	43.50 x 73.50	44.50 x 74.50	44.00 x 74.00	38.50 x 68.50	18.31	24
3/8 x 6/6	43.50 x 77.50	44.50 x 78.50	44.00 x 78.00	38.50 x 72.50	19.38	24
3/8 x 7/0	43.50 x 83.50	44.50 x 84.50	44.00 x 84.00	38.50 x 78.50	20.99	24
3/8 x 7/6	43.50 x 89.50	44.50 x 90.50	44.00 x 90.00	38.50 x 84.50	22.59	24
3/8 x 8/0	43.50 x 95.50	44.50 x 96.50	44.00 x 96.00	38.50 x 90.50	24.20	24

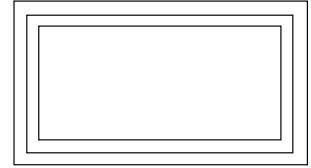
PICTURE WINDOW – MODEL 1904



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
4/0 x 1/0	47.50 x 11.50	48.50 x 12.50	48.00 x 12.00	42.50 x 6.50	1.92	4
4/0 x 1/6	47.50 x 17.50	48.50 x 18.50	48.00 x 18.00	42.50 x 12.50	3.69	8
4/0 x 2/0	47.50 x 23.50	48.50 x 24.50	48.00 x 24.00	42.50 x 18.50	5.46	8
4/0 x 2/4	47.50 x 27.50	48.50 x 28.50	48.00 x 28.00	42.50 x 22.50	6.64	8
4/0 x 2/8	47.50 x 31.50	48.50 x 32.50	48.00 x 32.00	42.50 x 26.50	7.82	8
4/0 x 2/10	47.50 x 33.50	48.50 x 34.50	48.00 x 34.00	42.50 x 28.50	8.41	12
4/0 x 3/0	47.50 x 35.50	48.50 x 36.50	48.00 x 36.00	42.50 x 30.50	9.00	12
4/0 x 3/2	47.50 x 37.50	48.50 x 38.50	48.00 x 38.00	42.50 x 32.50	9.59	12
4/0 x 3/8	47.50 x 43.50	48.50 x 44.50	48.00 x 44.00	42.50 x 38.50	11.36	12
4/0 x 3/10	47.50 x 45.50	48.50 x 46.50	48.00 x 46.00	42.50 x 40.50	11.95	16
4/0 x 4/0	47.50 x 47.50	48.50 x 48.50	48.00 x 48.00	42.50 x 42.50	12.54	16
4/0 x 4/2	47.50 x 49.50	48.50 x 50.50	48.00 x 50.00	42.50 x 44.50	13.13	16
4/0 x 4/4	47.50 x 51.50	48.50 x 52.50	48.00 x 52.00	42.50 x 46.50	13.72	16
4/0 x 4/6	47.50 x 53.50	48.50 x 54.50	48.00 x 54.00	42.50 x 48.50	14.31	16
4/0 x 5/0	47.50 x 59.50	48.50 x 60.50	48.00 x 60.00	42.50 x 54.50	16.09	16
4/0 x 5/2	47.50 x 61.50	48.50 x 62.50	48.00 x 62.00	42.50 x 56.50	16.68	16
4/0 x 5/6	47.50 x 65.50	48.50 x 66.50	48.00 x 66.00	42.50 x 60.50	17.86	16
4/0 x 6/0	47.50 x 71.50	48.50 x 72.50	48.00 x 72.00	42.50 x 66.50	19.63	16
4/0 x 6/2	47.50 x 73.50	48.50 x 74.50	48.00 x 74.00	42.50 x 68.50	20.22	24
4/0 x 6/6	47.50 x 77.50	48.50 x 78.50	48.00 x 78.00	42.50 x 72.50	21.40	24
4/0 x 7/0	47.50 x 83.50	48.50 x 84.50	48.00 x 84.00	42.50 x 78.50	23.17	24
4/0 x 7/6	47.50 x 89.50	48.50 x 90.50	48.00 x 90.00	42.50 x 84.50	24.94	24
4/0 x 8/0	47.50 x 95.50	48.50 x 96.50	48.00 x 96.00	42.50 x 90.50	26.71	24
4/2 x 1/0	49.50 x 11.50	50.50 x 12.50	50.00 x 12.00	44.50 x 6.50	2.01	5
4/2 x 1/6	49.50 x 17.50	50.50 x 18.50	50.00 x 18.00	44.50 x 12.50	3.86	10
4/2 x 2/0	49.50 x 23.50	50.50 x 24.50	50.00 x 24.00	44.50 x 18.50	5.72	10
4/2 x 2/4	49.50 x 27.50	50.50 x 28.50	50.00 x 28.00	44.50 x 22.50	6.95	10
4/4 x 1/0	51.50 x 11.50	52.50 x 12.50	52.00 x 12.00	46.50 x 6.50	2.10	5
4/4 x 1/6	51.50 x 17.50	52.50 x 18.50	52.00 x 18.00	46.50 x 12.50	4.04	10
4/4 x 2/0	51.50 x 23.50	52.50 x 24.50	52.00 x 24.00	46.50 x 18.50	5.97	10
4/4 x 2/4	51.50 x 27.50	52.50 x 28.50	52.00 x 28.00	46.50 x 22.50	7.27	10

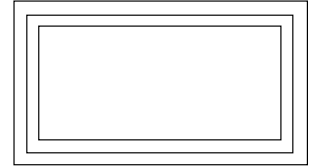
PICTURE WINDOW – MODEL 1904



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
4/6 x 1/0	53.50 x 11.50	54.50 x 12.50	54.00 x 12.00	48.50 x 6.50	2.19	5
4/6 x 1/6	53.50 x 17.50	54.50 x 18.50	54.00 x 18.00	48.50 x 12.50	4.21	10
4/6 x 2/0	53.50 x 23.50	54.50 x 24.50	54.00 x 24.00	48.50 x 18.50	6.23	10
4/6 x 2/4	53.50 x 27.50	54.50 x 28.50	54.00 x 28.00	48.50 x 22.50	7.58	10
4/6 x 2/8	53.50 x 31.50	54.50 x 32.50	54.00 x 32.00	48.50 x 26.50	8.93	10
4/6 x 2/10	53.50 x 33.50	54.50 x 34.50	54.00 x 34.00	48.50 x 28.50	9.60	15
4/6 x 3/0	53.50 x 35.50	54.50 x 36.50	54.00 x 36.00	48.50 x 30.50	10.27	15
4/6 x 3/2	53.50 x 37.50	54.50 x 38.50	54.00 x 38.00	48.50 x 32.50	10.95	15
4/6 x 3/8	53.50 x 43.50	54.50 x 44.50	54.00 x 44.00	48.50 x 38.50	12.97	15
4/6 x 3/10	53.50 x 45.50	54.50 x 46.50	54.00 x 46.00	48.50 x 40.50	13.64	20
4/6 x 4/0	53.50 x 47.50	54.50 x 48.50	54.00 x 48.00	48.50 x 42.50	14.31	20
4/6 x 4/2	53.50 x 49.50	54.50 x 50.50	54.00 x 50.00	48.50 x 44.50	14.99	20
4/6 x 4/4	53.50 x 51.50	54.50 x 52.50	54.00 x 52.00	48.50 x 46.50	15.66	20
4/6 x 4/6	53.50 x 53.50	54.50 x 54.50	54.00 x 54.00	48.50 x 48.50	16.34	20
4/6 x 5/0	53.50 x 59.50	54.50 x 60.50	54.00 x 60.00	48.50 x 54.50	18.36	20
4/6 x 5/2	53.50 x 61.50	54.50 x 62.50	54.00 x 62.00	48.50 x 56.50	19.03	20
4/6 x 5/6	53.50 x 65.50	54.50 x 66.50	54.00 x 66.00	48.50 x 60.50	20.38	20
4/6 x 6/0	53.50 x 71.50	54.50 x 72.50	54.00 x 72.00	48.50 x 66.50	22.40	20
4/6 x 6/2	53.50 x 73.50	54.50 x 74.50	54.00 x 74.00	48.50 x 68.50	23.07	30
4/6 x 6/6	53.50 x 77.50	54.50 x 78.50	54.00 x 78.00	48.50 x 72.50	24.42	30
4/6 x 7/0	53.50 x 83.50	54.50 x 84.50	54.00 x 84.00	48.50 x 78.50	26.44	30
4/6 x 7/6	53.50 x 89.50	54.50 x 90.50	54.00 x 90.00	48.50 x 84.50	28.46	30
4/6 x 8/0	53.50 x 95.50	54.50 x 96.50	54.00 x 96.00	48.50 x 90.50	30.48	30
5/0 x 1/0	59.50 x 11.50	60.50 x 12.50	60.00 x 12.00	54.50 x 6.50	2.46	5
5/0 x 1/6	59.50 x 17.50	60.50 x 18.50	60.00 x 18.00	54.50 x 12.50	4.73	10
5/0 x 2/0	59.50 x 23.50	60.50 x 24.50	60.00 x 24.00	54.50 x 18.50	7.00	10
5/0 x 2/4	59.50 x 27.50	60.50 x 28.50	60.00 x 28.00	54.50 x 22.50	8.52	10
5/0 x 2/8	59.50 x 31.50	60.50 x 32.50	60.00 x 32.00	54.50 x 26.50	10.03	10
5/0 x 2/10	59.50 x 33.50	60.50 x 34.50	60.00 x 34.00	54.50 x 28.50	10.79	15
5/0 x 3/0	59.50 x 35.50	60.50 x 36.50	60.00 x 36.00	54.50 x 30.50	11.54	15
5/0 x 3/2	59.50 x 37.50	60.50 x 38.50	60.00 x 38.00	54.50 x 32.50	12.30	15
5/0 x 3/8	59.50 x 43.50	60.50 x 44.50	60.00 x 44.00	54.50 x 38.50	14.57	15
5/0 x 3/10	59.50 x 45.50	60.50 x 46.50	60.00 x 46.00	54.50 x 40.50	15.33	20
5/0 x 4/0	59.50 x 47.50	60.50 x 48.50	60.00 x 48.00	54.50 x 42.50	16.09	20
5/0 x 4/2	59.50 x 49.50	60.50 x 50.50	60.00 x 50.00	54.50 x 44.50	16.84	20
5/0 x 4/4	59.50 x 51.50	60.50 x 52.50	60.00 x 52.00	54.50 x 46.50	17.60	20
5/0 x 4/6	59.50 x 53.50	60.50 x 54.50	60.00 x 54.00	54.50 x 48.50	18.36	20
5/0 x 5/0	59.50 x 59.50	60.50 x 60.50	60.00 x 60.00	54.50 x 54.50	20.63	20
5/0 x 5/2	59.50 x 61.50	60.50 x 62.50	60.00 x 62.00	54.50 x 56.50	21.38	20
5/0 x 5/6	59.50 x 65.50	60.50 x 66.50	60.00 x 66.00	54.50 x 60.50	22.90	20
5/0 x 6/0	59.50 x 71.50	60.50 x 72.50	60.00 x 72.00	54.50 x 66.50	25.17	20
5/0 x 6/2	59.50 x 73.50	60.50 x 74.50	60.00 x 74.00	54.50 x 68.50	25.93	30
5/0 x 6/6	59.50 x 77.50	60.50 x 78.50	60.00 x 78.00	54.50 x 72.50	27.44	30

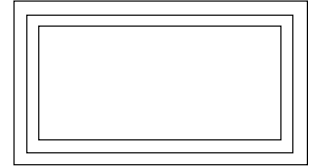
PICTURE WINDOW – MODEL 1904



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
5/6 x 1/0	65.50 x 11.50	66.50 x 12.50	66.00 x 12.00	60.50 x 6.50	2.73	6
5/6 x 1/6	65.50 x 17.50	66.50 x 18.50	66.00 x 18.00	60.50 x 12.50	5.25	12
5/6 x 2/0	65.50 x 23.50	66.50 x 24.50	66.00 x 24.00	60.50 x 18.50	7.77	12
5/6 x 2/4	65.50 x 27.50	66.50 x 28.50	66.00 x 28.00	60.50 x 22.50	9.45	12
5/6 x 2/8	65.50 x 31.50	66.50 x 32.50	66.00 x 32.00	60.50 x 26.50	11.13	12
5/6 x 2/10	65.50 x 33.50	66.50 x 34.50	66.00 x 34.00	60.50 x 28.50	11.97	18
5/6 x 3/0	65.50 x 35.50	66.50 x 36.50	66.00 x 36.00	60.50 x 30.50	12.81	18
5/6 x 3/2	65.50 x 37.50	66.50 x 38.50	66.00 x 38.00	60.50 x 32.50	13.65	18
5/6 x 3/8	65.50 x 43.50	66.50 x 44.50	66.00 x 44.00	60.50 x 38.50	16.18	18
5/6 x 3/10	65.50 x 45.50	66.50 x 46.50	66.00 x 46.00	60.50 x 40.50	17.02	24
5/6 x 4/0	65.50 x 47.50	66.50 x 48.50	66.00 x 48.00	60.50 x 42.50	17.86	24
5/6 x 4/2	65.50 x 49.50	66.50 x 50.50	66.00 x 50.00	60.50 x 44.50	18.70	24
5/6 x 4/4	65.50 x 51.50	66.50 x 52.50	66.00 x 52.00	60.50 x 46.50	19.54	24
5/6 x 4/6	65.50 x 53.50	66.50 x 54.50	66.00 x 54.00	60.50 x 48.50	20.38	24
5/6 x 5/0	65.50 x 59.50	66.50 x 60.50	66.00 x 60.00	60.50 x 54.50	22.90	24
5/6 x 5/2	65.50 x 61.50	66.50 x 62.50	66.00 x 62.00	60.50 x 56.50	23.74	24
5/6 x 5/6	65.50 x 65.50	66.50 x 66.50	66.00 x 66.00	60.50 x 60.50	25.42	24
5/6 x 6/0	65.50 x 71.50	66.50 x 72.50	66.00 x 72.00	60.50 x 66.50	27.94	24
5/6 x 6/2	65.50 x 73.50	66.50 x 74.50	66.00 x 74.00	60.50 x 68.50	28.78	36
5/6 x 6/6	65.50 x 77.50	66.50 x 78.50	66.00 x 78.00	60.50 x 72.50	30.46	36
6/0 x 1/0	71.50 x 11.50	72.50 x 12.50	72.00 x 12.00	66.50 x 6.50	3.00	6
6/0 x 1/6	71.50 x 17.50	72.50 x 18.50	72.00 x 18.00	66.50 x 12.50	5.77	12
6/0 x 2/0	71.50 x 23.50	72.50 x 24.50	72.00 x 24.00	66.50 x 18.50	8.54	12
6/0 x 2/4	71.50 x 27.50	72.50 x 28.50	72.00 x 28.00	66.50 x 22.50	10.39	12
6/0 x 2/8	71.50 x 31.50	72.50 x 32.50	72.00 x 32.00	66.50 x 26.50	12.24	12
6/0 x 2/10	71.50 x 33.50	72.50 x 34.50	72.00 x 34.00	66.50 x 28.50	13.16	18
6/0 x 3/0	71.50 x 35.50	72.50 x 36.50	72.00 x 36.00	66.50 x 30.50	14.09	18
6/0 x 3/2	71.50 x 37.50	72.50 x 38.50	72.00 x 38.00	66.50 x 32.50	15.01	18
6/0 x 3/8	71.50 x 43.50	72.50 x 44.50	72.00 x 44.00	66.50 x 38.50	17.78	18
6/0 x 3/10	71.50 x 45.50	72.50 x 46.50	72.00 x 46.00	66.50 x 40.50	18.70	24
6/0 x 4/0	71.50 x 47.50	72.50 x 48.50	72.00 x 48.00	66.50 x 42.50	19.63	24
6/0 x 4/2	71.50 x 49.50	72.50 x 50.50	72.00 x 50.00	66.50 x 44.50	20.55	24
6/0 x 4/4	71.50 x 51.50	72.50 x 52.50	72.00 x 52.00	66.50 x 46.50	21.47	24
6/0 x 4/6	71.50 x 53.50	72.50 x 54.50	72.00 x 54.00	66.50 x 48.50	22.40	24
6/0 x 5/0	71.50 x 59.50	72.50 x 60.50	72.00 x 60.00	66.50 x 54.50	25.17	24
6/0 x 5/2	71.50 x 61.50	72.50 x 62.50	72.00 x 62.00	66.50 x 56.50	26.09	24
6/0 x 5/6	71.50 x 65.50	72.50 x 66.50	72.00 x 66.00	66.50 x 60.50	27.94	24
6/0 x 6/0	71.50 x 71.50	72.50 x 72.50	72.00 x 72.00	66.50 x 66.50	30.71	24
6/0 x 6/2	71.50 x 73.50	72.50 x 74.50	72.00 x 74.00	66.50 x 68.50	31.63	36
6/0 x 6/6	71.50 x 77.50	72.50 x 78.50	72.00 x 78.00	66.50 x 72.50	33.48	36

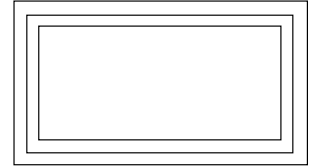
PICTURE WINDOW – MODEL 1904



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
6/6 x 1/0	77.50 x 11.50	78.50 x 12.50	78.00 x 12.00	72.50 x 6.50	3.27	7
6/6 x 1/6	77.50 x 17.50	78.50 x 18.50	78.00 x 18.00	72.50 x 12.50	6.29	14
6/6 x 2/0	77.50 x 23.50	78.50 x 24.50	78.00 x 24.00	72.50 x 18.50	9.31	14
6/6 x 2/4	77.50 x 27.50	78.50 x 28.50	78.00 x 28.00	72.50 x 22.50	11.33	14
6/6 x 2/8	77.50 x 31.50	78.50 x 32.50	78.00 x 32.00	72.50 x 26.50	13.34	14
6/6 x 2/10	77.50 x 33.50	78.50 x 34.50	78.00 x 34.00	72.50 x 28.50	14.35	21
6/6 x 3/0	77.50 x 35.50	78.50 x 36.50	78.00 x 36.00	72.50 x 30.50	15.36	21
6/6 x 3/2	77.50 x 37.50	78.50 x 38.50	78.00 x 38.00	72.50 x 32.50	16.36	21
6/6 x 3/8	77.50 x 43.50	78.50 x 44.50	78.00 x 44.00	72.50 x 38.50	19.38	21
6/6 x 3/10	77.50 x 45.50	78.50 x 46.50	78.00 x 46.00	72.50 x 40.50	20.39	28
6/6 x 4/0	77.50 x 47.50	78.50 x 48.50	78.00 x 48.00	72.50 x 42.50	21.40	28
6/6 x 4/2	77.50 x 49.50	78.50 x 50.50	78.00 x 50.00	72.50 x 44.50	22.40	28
6/6 x 4/4	77.50 x 51.50	78.50 x 52.50	78.00 x 52.00	72.50 x 46.50	23.41	28
6/6 x 4/6	77.50 x 53.50	78.50 x 54.50	78.00 x 54.00	72.50 x 48.50	24.42	28
6/6 x 5/0	77.50 x 59.50	78.50 x 60.50	78.00 x 60.00	72.50 x 54.50	27.44	28
6/6 x 5/2	77.50 x 61.50	78.50 x 62.50	78.00 x 62.00	72.50 x 56.50	28.45	28
6/6 x 5/6	77.50 x 65.50	78.50 x 66.50	78.00 x 66.00	72.50 x 60.50	30.46	28
6/6 x 6/0	77.50 x 71.50	78.50 x 72.50	78.00 x 72.00	72.50 x 66.50	33.48	28
7/0 x 1/0	83.50 x 11.50	84.50 x 12.50	84.00 x 12.00	78.50 x 6.50	3.54	7
7/0 x 1/6	83.50 x 17.50	84.50 x 18.50	84.00 x 18.00	78.50 x 12.50	6.81	14
7/0 x 2/0	83.50 x 23.50	84.50 x 24.50	84.00 x 24.00	78.50 x 18.50	10.09	14
7/0 x 2/4	83.50 x 27.50	84.50 x 28.50	84.00 x 28.00	78.50 x 22.50	12.27	14
7/0 x 2/8	83.50 x 31.50	84.50 x 32.50	84.00 x 32.00	78.50 x 26.50	14.45	14
7/0 x 2/10	83.50 x 33.50	84.50 x 34.50	84.00 x 34.00	78.50 x 28.50	15.54	21
7/0 x 3/0	83.50 x 35.50	84.50 x 36.50	84.00 x 36.00	78.50 x 30.50	16.63	21
7/0 x 3/2	83.50 x 37.50	84.50 x 38.50	84.00 x 38.00	78.50 x 32.50	17.72	21
7/0 x 3/8	83.50 x 43.50	84.50 x 44.50	84.00 x 44.00	78.50 x 38.50	20.99	21
7/0 x 3/10	83.50 x 45.50	84.50 x 46.50	84.00 x 46.00	78.50 x 40.50	22.08	28
7/0 x 4/0	83.50 x 47.50	84.50 x 48.50	84.00 x 48.00	78.50 x 42.50	23.17	28
7/0 x 4/2	83.50 x 49.50	84.50 x 50.50	84.00 x 50.00	78.50 x 44.50	24.26	28
7/0 x 4/4	83.50 x 51.50	84.50 x 52.50	84.00 x 52.00	78.50 x 46.50	25.35	28
7/0 x 4/6	83.50 x 53.50	84.50 x 54.50	84.00 x 54.00	78.50 x 48.50	26.44	28

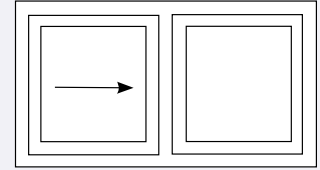
PICTURE WINDOW – MODEL 1904



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
7/6 x 1/0	89.50 x 11.50	90.50 x 12.50	90.00 x 12.00	84.50 x 6.50	3.81	7
7/6 x 1/6	89.50 x 17.50	90.50 x 18.50	90.00 x 18.00	84.50 x 12.50	7.34	14
7/6 x 2/0	89.50 x 23.50	90.50 x 24.50	90.00 x 24.00	84.50 x 18.50	10.86	14
7/6 x 2/4	89.50 x 27.50	90.50 x 28.50	90.00 x 28.00	84.50 x 22.50	13.20	14
7/6 x 2/8	89.50 x 31.50	90.50 x 32.50	90.00 x 32.00	84.50 x 26.50	15.55	14
7/6 x 2/10	89.50 x 33.50	90.50 x 34.50	90.00 x 34.00	84.50 x 28.50	16.72	21
7/6 x 3/0	89.50 x 35.50	90.50 x 36.50	90.00 x 36.00	84.50 x 30.50	17.90	21
7/6 x 3/2	89.50 x 37.50	90.50 x 38.50	90.00 x 38.00	84.50 x 32.50	19.07	21
7/6 x 3/8	89.50 x 43.50	90.50 x 44.50	90.00 x 44.00	84.50 x 38.50	22.59	21
7/6 x 3/10	89.50 x 45.50	90.50 x 46.50	90.00 x 46.00	84.50 x 40.50	23.77	28
7/6 x 4/0	89.50 x 47.50	90.50 x 48.50	90.00 x 48.00	84.50 x 42.50	24.94	28
7/6 x 4/2	89.50 x 49.50	90.50 x 50.50	90.00 x 50.00	84.50 x 44.50	26.11	28
7/6 x 4/4	89.50 x 51.50	90.50 x 52.50	90.00 x 52.00	84.50 x 46.50	27.29	28
7/6 x 4/6	89.50 x 53.50	90.50 x 54.50	90.00 x 54.00	84.50 x 48.50	28.46	28
8/0 x 1/0	95.50 x 11.50	96.50 x 12.50	96.00 x 12.00	90.50 x 6.50	4.09	7
8/0 x 1/6	95.50 x 17.50	96.50 x 18.50	96.00 x 18.00	90.50 x 12.50	7.86	14
8/0 x 2/0	95.50 x 23.50	96.50 x 24.50	96.00 x 24.00	90.50 x 18.50	11.63	14
8/0 x 2/4	95.50 x 27.50	96.50 x 28.50	96.00 x 28.00	90.50 x 22.50	14.14	14
8/0 x 2/8	95.50 x 31.50	96.50 x 32.50	96.00 x 32.00	90.50 x 26.50	16.65	14
8/0 x 2/10	95.50 x 33.50	96.50 x 34.50	96.00 x 34.00	90.50 x 28.50	17.91	21
8/0 x 3/0	95.50 x 35.50	96.50 x 36.50	96.00 x 36.00	90.50 x 30.50	19.17	21
8/0 x 3/2	95.50 x 37.50	96.50 x 38.50	96.00 x 38.00	90.50 x 32.50	20.43	21
8/0 x 3/8	95.50 x 43.50	96.50 x 44.50	96.00 x 44.00	90.50 x 38.50	24.20	21
8/0 x 3/10	95.50 x 45.50	96.50 x 46.50	96.00 x 46.00	90.50 x 40.50	25.45	28
8/0 x 4/0	95.50 x 47.50	96.50 x 48.50	96.00 x 48.00	90.50 x 42.50	26.71	28
8/0 x 4/2	95.50 x 49.50	96.50 x 50.50	96.00 x 50.00	90.50 x 44.50	27.97	28
8/0 x 4/4	95.50 x 51.50	96.50 x 52.50	96.00 x 52.00	90.50 x 46.50	29.22	28
8/0 x 4/6	95.50 x 53.50	96.50 x 54.50	96.00 x 54.00	90.50 x 48.50	30.48	28

SINGLE-SLIDING WINDOW – MODEL 1902



Size Limitations			
	Width	Height	U.I.
Min	23.50"	14"	
Max	72"	72"	144"
	84"	60"	

Actual Window Size Formulas – Per Opening	
Actual Window Width	Actual Window Height
Rough Opening – 0.5"	Rough Opening – 0.5"

Exterior Dimension W/J-Channel Formulas – Per Opening	
Exterior Dimension Width	Exterior Dimension Height
Rough Opening + 1"	Rough Opening + 1"

Clear Opening Formulas – Per Opening	
Clear Opening Width (COW)	Clear Opening Height (COH)
FW/2 – 3.75"	FH – 5"

Clear Opening / Egress Square Foot Formula
Clear Opening Width x Clear Opening Height / 144

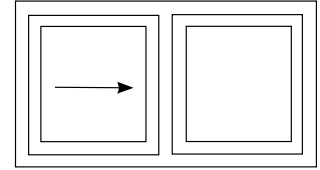
Visible Glass Formulas – Per Opening	
Visible Glass Width (VGW)	Visible Glass Height (VGH)
FW/2 – 3.5"	FH – 5"

Total Visible Glass Square Foot Formula
Visible Glass Width x Visible Glass Height / 144

Egress/Clear Opening Size Reference Chart												
		Actual Window Width										
		23.50	29.50	35.50	41.50	47.50	53.50	59.50	65.50	71.50	77.50	83.50
Actual Window Height	11.50											
	17.50											
	23.50											
	29.50										•	•
	35.50								•	•	•	•
	41.50						•	•	•	•	•	•
	47.50					•	•	•	•	•	•	•
	51.50					•	•	•	•	•	•	•
	53.50					•	•	•	•	•	•	•
	59.50					•	•	•	•	•	•	•
	65.50					•	•	•	•	•	•	•
	71.50					•	•	•	•	•	•	•

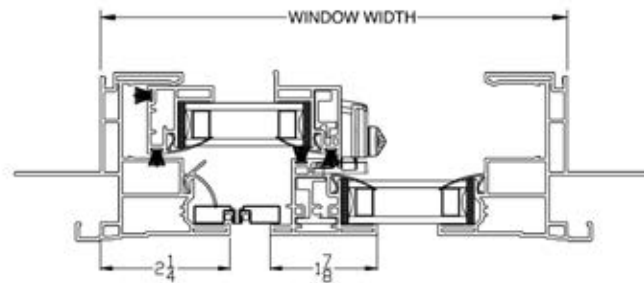
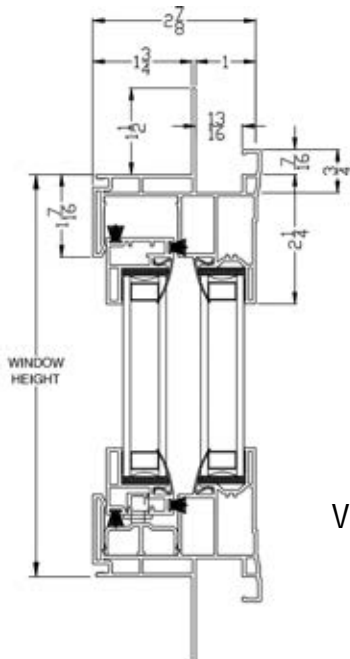
Egress/clear opening criteria is a minimum 20" net opening width, minimum 24" net opening height and minimum 5.7 sq. ft. opening area.

SINGLE-SLIDING WINDOW – MODEL 1902

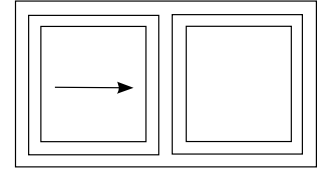


Default Colonial Grid Pattern – Full

		Width		
		Up to 46"	46"+ to 70.50"	70.50"+ to max
Height	Up to 28"	 4/4	 6/6	 8/8
	28"+ to 46"	 6/6	 8/8	 12/12
	46"+ to max	 8/8	 12/12	 16/16



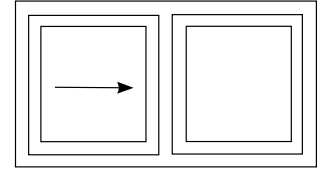
SINGLE-SLIDING WINDOW – MODEL 1902



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
2/0 x 1/6	23.50 x 17.50	24.50 x 18.50	24.00 x 18.00	8.00 x 12.50	0.69	8.25 x 12.50	0.72	4/4
2/0 x 2/0	23.50 x 23.50	24.50 x 24.50	24.00 x 24.00	8.00 x 18.50	1.03	8.25 x 18.50	1.06	4/4
2/0 x 2/6	23.50 x 29.50	24.50 x 30.50	24.00 x 30.00	8.00 x 24.50	1.36	8.25 x 24.50	1.40	6/6
2/0 x 3/0	23.50 x 35.50	24.50 x 36.50	24.00 x 36.00	8.00 x 30.50	1.69	8.25 x 30.50	1.75	6/6
2/0 x 3/6	23.50 x 41.50	24.50 x 42.50	24.00 x 42.00	8.00 x 36.50	2.03	8.25 x 36.50	2.09	6/6
2/0 x 4/0	23.50 x 47.50	24.50 x 48.50	24.00 x 48.00	8.00 x 42.50	2.36	8.25 x 42.50	2.43	8/8
2/0 x 4/4	23.50 x 51.50	24.50 x 52.50	24.00 x 52.00	8.00 x 46.50	2.58	8.25 x 46.50	2.66	8/8
2/0 x 4/6	23.50 x 53.50	24.50 x 54.50	24.00 x 54.00	8.00 x 48.50	2.69	8.25 x 48.50	2.78	8/8
2/0 x 5/0	23.50 x 59.50	24.50 x 60.50	24.00 x 60.00	8.00 x 54.50	3.03	8.25 x 54.50	3.12	8/8
2/0 x 5/6	23.50 x 65.50	24.50 x 66.50	24.00 x 66.00	8.00 x 60.50	3.36	8.25 x 60.50	3.47	8/8
2/0 x 6/0	23.50 x 71.50	24.50 x 72.50	24.00 x 72.00	8.00 x 66.50	3.69	8.25 x 66.50	3.81	8/8
2/6 x 1/6	29.50 x 17.50	30.50 x 18.50	30.00 x 18.00	11.00 x 12.50	0.95	11.25 x 12.50	0.98	4/4
2/6 x 2/0	29.50 x 23.50	30.50 x 24.50	30.00 x 24.00	11.00 x 18.50	1.41	11.25 x 18.50	1.45	4/4
2/6 x 2/6	29.50 x 29.50	30.50 x 30.50	30.00 x 30.00	11.00 x 24.50	1.87	11.25 x 24.50	1.91	6/6
2/6 x 3/0	29.50 x 35.50	30.50 x 36.50	30.00 x 36.00	11.00 x 30.50	2.33	11.25 x 30.50	2.38	6/6
2/6 x 3/6	29.50 x 41.50	30.50 x 42.50	30.00 x 42.00	11.00 x 36.50	2.79	11.25 x 36.50	2.85	6/6
2/6 x 4/0	29.50 x 47.50	30.50 x 48.50	30.00 x 48.00	11.00 x 42.50	3.25	11.25 x 42.50	3.32	8/8
2/6 x 4/4	29.50 x 51.50	30.50 x 52.50	30.00 x 52.00	11.00 x 46.50	3.55	11.25 x 46.50	3.63	8/8
2/6 x 4/6	29.50 x 53.50	30.50 x 54.50	30.00 x 54.00	11.00 x 48.50	3.70	11.25 x 48.50	3.79	8/8
2/6 x 5/0	29.50 x 59.50	30.50 x 60.50	30.00 x 60.00	11.00 x 54.50	4.16	11.25 x 54.50	4.26	8/8
2/6 x 5/6	29.50 x 65.50	30.50 x 66.50	30.00 x 66.00	11.00 x 60.50	4.62	11.25 x 60.50	4.73	8/8
2/6 x 6/0	29.50 x 71.50	30.50 x 72.50	30.00 x 72.00	11.00 x 66.50	5.08	11.25 x 66.50	5.20	8/8
3/0 x 1/6	35.50 x 17.50	36.50 x 18.50	36.00 x 18.00	14.00 x 12.50	1.22	14.25 x 12.50	1.24	4/4
3/0 x 2/0	35.50 x 23.50	36.50 x 24.50	36.00 x 24.00	14.00 x 18.50	1.80	14.25 x 18.50	1.83	4/4
3/0 x 2/6	35.50 x 29.50	36.50 x 30.50	36.00 x 30.00	14.00 x 24.50	2.38	14.25 x 24.50	2.42	6/6
3/0 x 3/0	35.50 x 35.50	36.50 x 36.50	36.00 x 36.00	14.00 x 30.50	2.97	14.25 x 30.50	3.02	6/6
3/0 x 3/6	35.50 x 41.50	36.50 x 42.50	36.00 x 42.00	14.00 x 36.50	3.55	14.25 x 36.50	3.61	6/6
3/0 x 4/0	35.50 x 47.50	36.50 x 48.50	36.00 x 48.00	14.00 x 42.50	4.13	14.25 x 42.50	4.21	8/8
3/0 x 4/4	35.50 x 51.50	36.50 x 52.50	36.00 x 52.00	14.00 x 46.50	4.52	14.25 x 46.50	4.60	8/8
3/0 x 4/6	35.50 x 53.50	36.50 x 54.50	36.00 x 54.00	14.00 x 48.50	4.72	14.25 x 48.50	4.80	8/8
3/0 x 5/0	35.50 x 59.50	36.50 x 60.50	36.00 x 60.00	14.00 x 54.50	5.30	14.25 x 54.50	5.39	8/8
3/0 x 5/6	35.50 x 65.50	36.50 x 66.50	36.00 x 66.00	14.00 x 60.50	5.88	14.25 x 60.50	5.99	8/8
3/0 x 6/0	35.50 x 71.50	36.50 x 72.50	36.00 x 72.00	14.00 x 66.50	6.47	14.25 x 66.50	6.58	8/8

SINGLE-SLIDING WINDOW – MODEL 1902

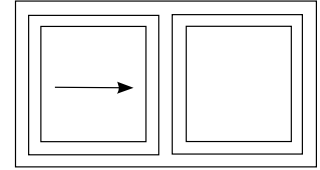


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
3/6 x 1/6	41.50 x 17.50	42.50 x 18.50	42.00 x 18.00	17.00 x 12.50	1.48	17.25 x 12.50	1.50	4/4
3/6 x 2/0	41.50 x 23.50	42.50 x 24.50	42.00 x 24.00	17.00 x 18.50	2.18	17.25 x 18.50	2.22	4/4
3/6 x 2/6	41.50 x 29.50	42.50 x 30.50	42.00 x 30.00	17.00 x 24.50	2.89	17.25 x 24.50	2.93	6/6
3/6 x 3/0	41.50 x 35.50	42.50 x 36.50	42.00 x 36.00	17.00 x 30.50	3.60	17.25 x 30.50	3.65	6/6
3/6 x 3/6	41.50 x 41.50	42.50 x 42.50	42.00 x 42.00	17.00 x 36.50	4.31	17.25 x 36.50	4.37	6/6
3/6 x 4/0	41.50 x 47.50	42.50 x 48.50	42.00 x 48.00	17.00 x 42.50	5.02	17.25 x 42.50	5.09	8/8
3/6 x 4/4	41.50 x 51.50	42.50 x 52.50	42.00 x 52.00	17.00 x 46.50	5.49	17.25 x 46.50	5.57	8/8
3/6 x 4/6	41.50 x 53.50	42.50 x 54.50	42.00 x 54.00	17.00 x 48.50	5.73	17.25 x 48.50	5.81	8/8
3/6 x 5/0	41.50 x 59.50	42.50 x 60.50	42.00 x 60.00	17.00 x 54.50	6.43	17.25 x 54.50	6.53	8/8
3/6 x 5/6	41.50 x 65.50	42.50 x 66.50	42.00 x 66.00	17.00 x 60.50	7.14	17.25 x 60.50	7.25	8/8
3/6 x 6/0	41.50 x 71.50	42.50 x 72.50	42.00 x 72.00	17.00 x 66.50	7.85	17.25 x 66.50	7.97	8/8
4/0 x 1/6	47.50 x 17.50	48.50 x 18.50	48.00 x 18.00	20.00 x 12.50	1.74	20.25 x 12.50	1.76	6/6
4/0 x 2/0	47.50 x 23.50	48.50 x 24.50	48.00 x 24.00	20.00 x 18.50	2.57	20.25 x 18.50	2.60	6/6
4/0 x 2/6	47.50 x 29.50	48.50 x 30.50	48.00 x 30.00	20.00 x 24.50	3.40	20.25 x 24.50	3.45	9/9
4/0 x 3/0	47.50 x 35.50	48.50 x 36.50	48.00 x 36.00	20.00 x 30.50	4.24	20.25 x 30.50	4.29	9/9
4/0 x 3/6	47.50 x 41.50	48.50 x 42.50	48.00 x 42.00	20.00 x 36.50	5.07	20.25 x 36.50	5.13	9/9
*4/0 x 4/0	47.50 x 47.50	48.50 x 48.50	48.00 x 48.00	20.00 x 42.50	5.90	20.25 x 42.50	5.98	12/12
*4/0 x 4/4	47.50 x 51.50	48.50 x 52.50	48.00 x 52.00	20.00 x 46.50	6.46	20.25 x 46.50	6.54	12/12
*4/0 x 4/6	47.50 x 53.50	48.50 x 54.50	48.00 x 54.00	20.00 x 48.50	6.74	20.25 x 48.50	6.82	12/12
*4/0 x 5/0	47.50 x 59.50	48.50 x 60.50	48.00 x 60.00	20.00 x 54.50	7.57	20.25 x 54.50	7.66	12/12
*4/0 x 5/6	47.50 x 65.50	48.50 x 66.50	48.00 x 66.00	20.00 x 60.50	8.40	20.25 x 60.50	8.51	12/12
*4/0 x 6/0	47.50 x 71.50	48.50 x 72.50	48.00 x 72.00	20.00 x 66.50	9.24	20.25 x 66.50	9.35	12/12
4/6 x 1/6	53.50 x 17.50	54.50 x 18.50	54.00 x 18.00	23.00 x 12.50	2.00	23.25 x 12.50	2.02	6/6
4/6 x 2/0	53.50 x 23.50	54.50 x 24.50	54.00 x 24.00	23.00 x 18.50	2.95	23.25 x 18.50	2.99	6/6
4/6 x 2/6	53.50 x 29.50	54.50 x 30.50	54.00 x 30.00	23.00 x 24.50	3.91	23.25 x 24.50	3.96	9/9
4/6 x 3/0	53.50 x 35.50	54.50 x 36.50	54.00 x 36.00	23.00 x 30.50	4.87	23.25 x 30.50	4.92	9/9
*4/6 x 3/6	53.50 x 41.50	54.50 x 42.50	54.00 x 42.00	23.00 x 36.50	5.83	23.25 x 36.50	5.89	9/9
*4/6 x 4/0	53.50 x 47.50	54.50 x 48.50	54.00 x 48.00	23.00 x 42.50	6.79	23.25 x 42.50	6.86	12/12
*4/6 x 4/4	53.50 x 51.50	54.50 x 52.50	54.00 x 52.00	23.00 x 46.50	7.43	23.25 x 46.50	7.51	12/12
*4/6 x 4/6	53.50 x 53.50	54.50 x 54.50	54.00 x 54.00	23.00 x 48.50	7.75	23.25 x 48.50	7.83	12/12
*4/6 x 5/0	53.50 x 59.50	54.50 x 60.50	54.00 x 60.00	23.00 x 54.50	8.70	23.25 x 54.50	8.80	12/12
*4/6 x 5/6	53.50 x 65.50	54.50 x 66.50	54.00 x 66.00	23.00 x 60.50	9.66	23.25 x 60.50	9.77	12/12
*4/6 x 6/0	53.50 x 71.50	54.50 x 72.50	54.00 x 72.00	23.00 x 66.50	10.62	23.25 x 66.50	10.74	12/12

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

SINGLE-SLIDING WINDOW – MODEL 1902

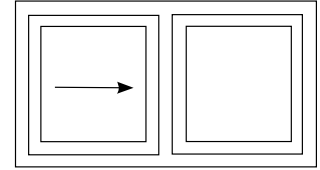


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
5/0 x 1/6	59.50 x 17.50	60.50 x 18.50	60.00 x 18.00	26.00 x 12.50	2.26	26.25 x 12.50	2.28	6/6
5/0 x 2/0	59.50 x 23.50	60.50 x 24.50	60.00 x 24.00	26.00 x 18.50	3.34	26.25 x 18.50	3.37	6/6
5/0 x 2/6	59.50 x 29.50	60.50 x 30.50	60.00 x 30.00	26.00 x 24.50	4.42	26.25 x 24.50	4.47	9/9
5/0 x 3/0	59.50 x 35.50	60.50 x 36.50	60.00 x 36.00	26.00 x 30.50	5.51	26.25 x 30.50	5.56	9/9
*5/0 x 3/6	59.50 x 41.50	60.50 x 42.50	60.00 x 42.00	26.00 x 36.50	6.59	26.25 x 36.50	6.65	9/9
*5/0 x 4/0	59.50 x 47.50	60.50 x 48.50	60.00 x 48.00	26.00 x 42.50	7.67	26.25 x 42.50	7.75	12/12
*5/0 x 4/4	59.50 x 51.50	60.50 x 52.50	60.00 x 52.00	26.00 x 46.50	8.40	26.25 x 46.50	8.48	12/12
*5/0 x 4/6	59.50 x 53.50	60.50 x 54.50	60.00 x 54.00	26.00 x 48.50	8.76	26.25 x 48.50	8.84	12/12
*5/0 x 5/0	59.50 x 59.50	60.50 x 60.50	60.00 x 60.00	26.00 x 54.50	9.84	26.25 x 54.50	9.93	12/12
*5/0 x 5/6	59.50 x 65.50	60.50 x 66.50	60.00 x 66.00	26.00 x 60.50	10.92	26.25 x 60.50	11.03	12/12
*5/0 x 6/0	59.50 x 71.50	60.50 x 72.50	60.00 x 72.00	26.00 x 66.50	12.01	26.25 x 66.50	12.12	12/12
5/6 x 1/6	65.50 x 17.50	66.50 x 18.50	66.00 x 18.00	29.00 x 12.50	2.52	29.25 x 12.50	2.54	6/6
5/6 x 2/0	65.50 x 23.50	66.50 x 24.50	66.00 x 24.00	29.00 x 18.50	3.73	29.25 x 18.50	3.76	6/6
5/6 x 2/6	65.50 x 29.50	66.50 x 30.50	66.00 x 30.00	29.00 x 24.50	4.93	29.25 x 24.50	4.98	9/9
*5/6 x 3/0	65.50 x 35.50	66.50 x 36.50	66.00 x 36.00	29.00 x 30.50	6.14	29.25 x 30.50	6.20	9/9
*5/6 x 3/6	65.50 x 41.50	66.50 x 42.50	66.00 x 42.00	29.00 x 36.50	7.35	29.25 x 36.50	7.41	9/9
*5/6 x 4/0	65.50 x 47.50	66.50 x 48.50	66.00 x 48.00	29.00 x 42.50	8.56	29.25 x 42.50	8.63	12/12
*5/6 x 4/4	65.50 x 51.50	66.50 x 52.50	66.00 x 52.00	29.00 x 46.50	9.36	29.25 x 46.50	9.45	12/12
*5/6 x 4/6	65.50 x 53.50	66.50 x 54.50	66.00 x 54.00	29.00 x 48.50	9.77	29.25 x 48.50	9.85	12/12
*5/6 x 5/0	65.50 x 59.50	66.50 x 60.50	66.00 x 60.00	29.00 x 54.50	10.98	29.25 x 54.50	11.07	12/12
*5/6 x 5/6	65.50 x 65.50	66.50 x 66.50	66.00 x 66.00	29.00 x 60.50	12.18	29.25 x 60.50	12.29	12/12
*5/6 x 6/0	65.50 x 71.50	66.50 x 72.50	66.00 x 72.00	29.00 x 66.50	13.39	29.25 x 66.50	13.51	12/12
6/0 x 1/6	71.50 x 17.50	72.50 x 18.50	72.00 x 18.00	32.00 x 12.50	2.78	32.25 x 12.50	2.80	8/8
6/0 x 2/0	71.50 x 23.50	72.50 x 24.50	72.00 x 24.00	32.00 x 18.50	4.11	32.25 x 18.50	4.14	8/8
6/0 x 2/6	71.50 x 29.50	72.50 x 30.50	72.00 x 30.00	32.00 x 24.50	5.44	32.25 x 24.50	5.49	12/12
*6/0 x 3/0	71.50 x 35.50	72.50 x 36.50	72.00 x 36.00	32.00 x 30.50	6.78	32.25 x 30.50	6.83	12/12
*6/0 x 3/6	71.50 x 41.50	72.50 x 42.50	72.00 x 42.00	32.00 x 36.50	8.11	32.25 x 36.50	8.17	12/12
*6/0 x 4/0	71.50 x 47.50	72.50 x 48.50	72.00 x 48.00	32.00 x 42.50	9.44	32.25 x 42.50	9.52	16/16
*6/0 x 4/4	71.50 x 51.50	72.50 x 52.50	72.00 x 52.00	32.00 x 46.50	10.33	32.25 x 46.50	10.41	16/16
*6/0 x 4/6	71.50 x 53.50	72.50 x 54.50	72.00 x 54.00	32.00 x 48.50	10.78	32.25 x 48.50	10.86	16/16
*6/0 x 5/0	71.50 x 59.50	72.50 x 60.50	72.00 x 60.00	32.00 x 54.50	12.11	32.25 x 54.50	12.21	16/16
*6/0 x 5/6	71.50 x 65.50	72.50 x 66.50	72.00 x 66.00	32.00 x 60.50	13.44	32.25 x 60.50	13.55	16/16
*6/0 x 6/0	71.50 x 71.50	72.50 x 72.50	72.00 x 72.00	32.00 x 66.50	14.78	32.25 x 66.50	14.89	16/16

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

SINGLE-SLIDING WINDOW – MODEL 1902

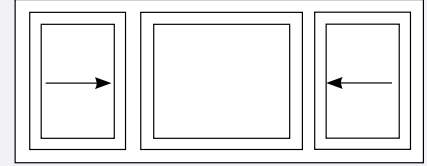


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
6/6 x 2/0	77.50 x 23.50	78.50 x 24.50	78.00 x 24.00	35.00 x 18.50	4.50	35.25 x 18.50	4.53	8/8
*6/6 x 2/6	77.50 x 29.50	78.50 x 30.50	78.00 x 30.00	35.00 x 24.50	5.95	35.25 x 24.50	6.00	12/12
*6/6 x 3/0	77.50 x 35.50	78.50 x 36.50	78.00 x 36.00	35.00 x 30.50	7.41	35.25 x 30.50	7.47	12/12
*6/6 x 3/6	77.50 x 41.50	78.50 x 42.50	78.00 x 42.00	35.00 x 36.50	8.87	35.25 x 36.50	8.93	12/12
*6/6 x 4/0	77.50 x 47.50	78.50 x 48.50	78.00 x 48.00	35.00 x 42.50	10.33	35.25 x 42.50	10.40	16/16
*6/6 x 4/4	77.50 x 51.50	78.50 x 52.50	78.00 x 52.00	35.00 x 46.50	11.30	35.25 x 46.50	11.38	16/16
*6/6 x 4/6	77.50 x 53.50	78.50 x 54.50	78.00 x 54.00	35.00 x 48.50	11.79	35.25 x 48.50	11.87	16/16
*6/6 x 5/0	77.50 x 59.50	78.50 x 60.50	78.00 x 60.00	35.00 x 54.50	13.25	35.25 x 54.50	13.34	16/16
7/0 x 2/0	83.50 x 23.50	84.50 x 24.50	84.00 x 24.00	38.00 x 18.50	4.88	38.25 x 18.50	4.91	8/8
*7/0 x 2/6	83.50 x 29.50	84.50 x 30.50	84.00 x 30.00	38.00 x 24.50	6.47	38.25 x 24.50	6.51	12/12
*7/0 x 3/0	83.50 x 35.50	84.50 x 36.50	84.00 x 36.00	38.00 x 30.50	8.05	38.25 x 30.50	8.10	12/12
*7/0 x 3/6	83.50 x 41.50	84.50 x 42.50	84.00 x 42.00	38.00 x 36.50	9.63	38.25 x 36.50	9.70	12/12
*7/0 x 4/0	83.50 x 47.50	84.50 x 48.50	84.00 x 48.00	38.00 x 42.50	11.22	38.25 x 42.50	11.29	16/16
*7/0 x 4/4	83.50 x 51.50	84.50 x 52.50	84.00 x 52.00	38.00 x 46.50	12.27	38.25 x 46.50	12.35	16/16
*7/0 x 4/6	83.50 x 53.50	84.50 x 54.50	84.00 x 54.00	38.00 x 48.50	12.80	38.25 x 48.50	12.88	16/16
*7/0 x 5/0	83.50 x 59.50	84.50 x 60.50	84.00 x 60.00	38.00 x 54.50	14.38	38.25 x 54.50	14.48	16/16

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

3-LITE SLIDING (Q/H/Q) – MODEL 1903



Size Limitations			
	Width	Height	U.I.
Min	48.50"	14"	
Max	96"	72"	168"
	108"	60"	

Actual Window Size Formulas – Per Opening	
Actual Window Width	Actual Window Height
Rough Opening – 0.5"	Rough Opening – 0.5"

Exterior Dimension W/J-Channel Formulas – Per Opening	
Exterior Dimension Width	Exterior Dimension Height
Rough Opening + 1"	Rough Opening + 1"

Clear Opening Formulas – Per Opening	
Clear Opening Width (COW)	Clear Opening Height (COH)
FW/4 – 3.25"	FH – 5"

Clear Opening / Egress Square Foot Formula
Clear Opening Width x Clear Opening Height / 144

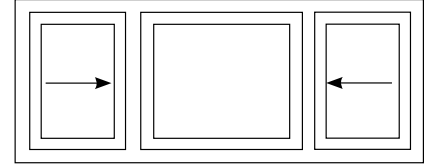
Visible Glass Formulas – Per Unit	
Visible Glass Width (VGW)	Visible Glass Height (VGH)
FW – 8.75"	FH – 5"

Total Visible Glass Square Foot Formula
Visible Glass Width x Visible Glass Height / 144

Egress/Clear Opening Size Reference Chart					
Actual Window Width					
Actual Window Height		71.50	83.50	95.50	107.50
	23.50				
	35.50				
	41.50				●
	47.50			●	●
	53.50			●	●
	59.50			●	●
	65.50			●	●
	71.50			●	●

Egress/clear opening criteria is a minimum 20" net opening width, minimum 24" net opening height and minimum 5.7 sq. ft. opening area.

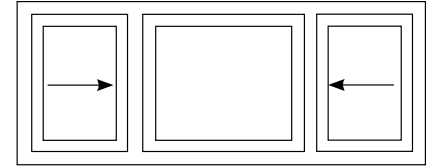
3-LITE SLIDING (Q/H/Q) – MODEL 1903



Default Colonial Grid Pattern – Full

		Width		
		Up to 51.9375"	51.9375" To 90"	90"+
Height	Up to 28"	4/6/4	4/8/4	6/12/6
	28"+ to 46"	6/9/6	6/12/6	9/18/9
	46"+	8/12/8	8/16/8	12/24/12

3-LITE SLIDING (Q/H/Q) – MODEL 1903

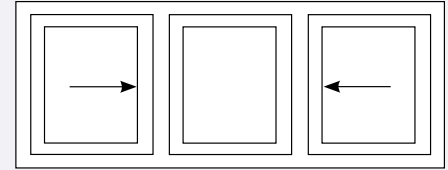


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
6/0 x 2/0	71.50 x 23.50	72.50 x 24.50	72.00 x 24.00	14.63 x 18.50	1.88	62.75 x 18.50	8.06	4/8/4
6/0 x /30	71.50 x 35.50	72.50 x 36.50	72.00 x 36.00	14.63 x 30.50	3.10	62.75 x 30.50	13.29	6/12/6
6/0 x 3/6	71.50 x 41.50	72.50 x 42.50	72.00 x 42.00	14.63 x 36.50	3.71	62.75 x 36.50	15.91	6/12/6
6/0 x 4/0	71.50 x 47.50	72.50 x 48.50	72.00 x 48.00	14.63 x 42.50	4.32	62.75 x 42.50	18.52	8/16/8
6/0 x 4/6	71.50 x 53.50	72.50 x 54.50	72.00 x 54.00	14.63 x 48.50	4.93	62.75 x 48.50	21.13	8/16/8
6/0 x 5/0	71.50 x 59.50	72.50 x 60.50	72.00 x 60.00	14.63 x 54.50	5.54	62.75 x 54.50	23.75	8/16/8
6/0 x 5/6	71.50 x 65.50	72.50 x 66.50	72.00 x 66.00	14.63 x 60.50	6.14	62.75 x 60.50	26.36	8/16/8
6/0 x 6/0	71.50 x 71.50	72.50 x 72.50	72.00 x 72.00	14.63 x 66.50	6.75	62.75 x 66.50	28.98	8/16/8
7/0 x 2/0	83.50 x 23.50	84.50 x 24.50	84.00 x 24.00	17.63 x 18.50	2.26	74.75 x 18.50	9.60	4/8/4
7/0 x 3/0	83.50 x 35.50	84.50 x 36.50	84.00 x 36.00	17.63 x 30.50	3.73	74.75 x 30.50	15.83	6/12/6
7/0 x 3/6	83.50 x 41.50	84.50 x 42.50	84.00 x 42.00	17.63 x 36.50	4.47	74.75 x 36.50	18.95	6/12/6
7/0 x 4/0	83.50 x 47.50	84.50 x 48.50	84.00 x 48.00	17.63 x 42.50	5.20	74.75 x 42.50	22.06	8/16/8
7/0 x 4/6	83.50 x 53.50	84.50 x 54.50	84.00 x 54.00	17.63 x 48.50	5.94	74.75 x 48.50	25.18	8/16/8
7/0 x 5/0	83.50 x 59.50	84.50 x 60.50	84.00 x 60.00	17.63 x 54.50	6.67	74.75 x 54.50	28.29	8/16/8
7/0 x 5/6	83.50 x 65.50	84.50 x 66.50	84.00 x 66.00	17.63 x 60.50	7.40	74.75 x 60.50	31.41	8/16/8
7/0 x 6/0	83.50 x 71.50	84.50 x 72.50	84.00 x 72.00	17.63 x 66.50	8.14	74.75 x 66.50	34.52	8/16/8
8/0 x 2/0	95.50 x 23.50	96.50 x 24.50	96.00 x 24.00	20.63 x 18.50	2.65	86.75 x 18.50	11.14	6/12/6
8/0 x 3/0	95.50 x 35.50	96.50 x 36.50	96.00 x 36.00	20.63 x 30.50	4.37	86.75 x 30.50	18.37	9/18/9
8/0 x 3/6	95.50 x 41.50	96.50 x 42.50	96.00 x 42.00	20.63 x 36.50	5.23	86.75 x 36.50	21.99	9/18/9
*8/0 x 4/0	95.50 x 47.50	96.50 x 48.50	96.00 x 48.00	20.63 x 42.50	6.09	86.75 x 42.50	25.60	12/24/12
*8/0 x 4/6	95.50 x 53.50	96.50 x 54.50	96.00 x 54.00	20.63 x 48.50	6.95	86.75 x 48.50	29.22	12/24/12
*8/0 x 5/0	95.50 x 59.50	96.50 x 60.50	96.00 x 60.00	20.63 x 54.50	7.81	86.75 x 54.50	32.83	12/24/12
*8/0 x 5/6	95.50 x 65.50	96.50 x 66.50	96.00 x 66.00	20.63 x 60.50	8.67	86.75 x 60.50	36.45	12/24/12
*8/0 x 6/0	95.50 x 71.50	96.50 x 72.50	96.00 x 72.00	20.63 x 66.50	9.52	86.75 x 66.50	40.06	12/24/12
9/0 x 2/0	107.50 x 23.50	108.50 x 24.50	108.00 x 24.00	23.63 x 18.50	3.04	98.75 x 18.50	12.69	6/12/6
9/0 x 3/0	107.50 x 35.50	108.50 x 36.50	108.00 x 36.00	23.63 x 30.50	5.00	98.75 x 30.50	20.92	9/18/9
*9/0 x 3/6	107.50 x 41.50	108.50 x 42.50	108.00 x 42.00	23.63 x 36.50	5.99	98.75 x 36.50	25.03	9/18/9
*9/0 x 4/0	107.50 x 47.50	108.50 x 48.50	108.00 x 48.00	23.63 x 42.50	6.97	98.75 x 42.50	29.14	12/24/12
*9/0 x 4/6	107.50 x 53.50	108.50 x 54.50	108.00 x 54.00	23.63 x 48.50	7.96	98.75 x 48.50	33.26	12/24/12
*9/0 x 5/0	107.50 x 59.50	108.50 x 60.50	108.00 x 60.00	23.63 x 54.50	8.94	98.75 x 54.50	37.37	12/24/12

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

3-LITE SLIDING (EQUAL-LITE) – MODEL 1909



Size Limitations			
	Width	Height	U.I.
Min	37"	14"	
Max	96"	72"	168"
	108"	60"	

Actual Window Size Formulas – Per Opening	
Actual Window Width	Actual Window Height
Rough Opening – 0.5"	Rough Opening – 0.5"

Exterior Dimension W/J-Channel Formulas – Per Opening	
Exterior Dimension Width	Exterior Dimension Height
Rough Opening + 1"	Rough Opening + 1"

Clear Opening Formulas – Per Opening	
Clear Opening Width (COW)	Clear Opening Height (COH)
FW/3 – 3.25"	FH – 5"

Clear Opening / Egress Square Foot Formula
Clear Opening Width x Clear Opening Height / 144

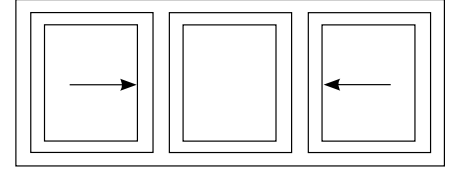
Visible Glass Formulas – Per Unit	
Visible Glass Width (VGW)	Visible Glass Height (VGH)
FW – 8.75"	FH – 5"

Total Visible Glass Square Foot Formula
Visible Glass Width x Visible Glass Height / 144

Egress/Clear Opening Size Reference Chart					
		Actual Window Width			
		71.50	83.50	95.50	107.50
Actual Window Height	23.50				
	35.50			•	•
	41.50		•	•	•
	47.50	•	•	•	•
	53.50	•	•	•	•
	59.50	•	•	•	•
	65.50	•	•	•	
	71.50	•	•	•	

Egress/clear opening criteria is a minimum 20" net opening width, minimum 24" net opening height and minimum 5.7 sq. ft. opening area.

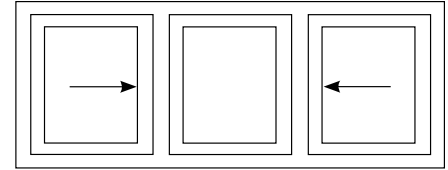
3-LITE SLIDING (EQUAL-LITE) – MODEL 1909



Default Colonial Grid Pattern – Full

		Width		
		Up to 51.9375"	51.9375" To 90"	90"+
Height	Up to 28"	4/4/4	6/6/6	8/8/8
	28"+ to 46"	6/6/6	9/9/9	12/12/12
	46"+	8/8/8	12/12/12	16/16/16

3-LITE SLIDING (EQUAL-LITE) – MODEL 1909

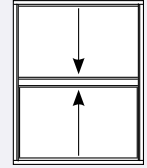


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		Width x Height		
6/0 x 2/0	71.50 x 23.50	72.50 x 24.50	72.00 x 24.00	20.58 x 18.50	2.64	62.75 x 18.50	8.06	6/6/6
6/0 x 3/0	71.50 x 35.50	72.50 x 36.50	72.00 x 36.00	20.58 x 30.50	4.36	62.75 x 30.50	13.29	9/9/9
6/0 x 3/6	71.50 x 41.50	72.50 x 42.50	72.00 x 42.00	20.58 x 36.50	5.22	62.75 x 36.50	15.91	9/9/9
*6/0 x 4/0	71.50 x 47.50	72.50 x 48.50	72.00 x 48.00	20.58 x 42.50	6.07	62.75 x 42.50	18.52	12/12/12
*6/0 x 4/6	71.50 x 53.50	72.50 x 54.50	72.00 x 54.00	20.58 x 48.50	6.93	62.75 x 48.50	21.13	12/12/12
*6/0 x 5/0	71.50 x 59.50	72.50 x 60.50	72.00 x 60.00	20.58 x 54.50	7.79	62.75 x 54.50	23.75	12/12/12
*6/0 x 5/6	71.50 x 65.50	72.50 x 66.50	72.00 x 66.00	20.58 x 60.50	8.65	62.75 x 60.50	26.36	12/12/12
*6/0 x 6/0	71.50 x 71.50	72.50 x 72.50	72.00 x 72.00	20.58 x 66.50	9.51	62.75 x 66.50	28.98	12/12/12
7/0 x 2/0	83.50 x 23.50	84.50 x 24.50	84.00 x 24.00	24.58 x 18.50	3.16	74.75 x 18.50	9.60	6/6/6
7/0 x 3/0	83.50 x 35.50	84.50 x 36.50	84.00 x 36.00	24.58 x 30.50	5.21	74.75 x 30.50	15.83	9/9/9
*7/0 x 3/6	83.50 x 41.50	84.50 x 42.50	84.00 x 42.00	24.58 x 36.50	6.23	74.75 x 36.50	18.95	9/9/9
*7/0 x 4/0	83.50 x 47.50	84.50 x 48.50	84.00 x 48.00	24.58 x 42.50	7.26	74.75 x 42.50	22.06	12/12/12
*7/0 x 4/6	83.50 x 53.50	84.50 x 54.50	84.00 x 54.00	24.58 x 48.50	8.28	74.75 x 48.50	25.18	12/12/12
*7/0 x 5/0	83.50 x 59.50	84.50 x 60.50	84.00 x 60.00	24.58 x 54.50	9.30	74.75 x 54.50	28.29	12/12/12
*7/0 x 5/6	83.50 x 65.50	84.50 x 66.50	84.00 x 66.00	24.58 x 60.50	10.33	74.75 x 60.50	31.41	12/12/12
*7/0 x 6/0	83.50 x 71.50	84.50 x 72.50	84.00 x 72.00	24.58 x 66.50	11.35	74.75 x 66.50	34.52	12/12/12
8/0 x 2/0	95.50 x 23.50	96.50 x 24.50	96.00 x 24.00	28.58 x 18.50	3.67	86.75 x 18.50	11.14	8/8/8
*8/0 x 3/0	95.50 x 35.50	96.50 x 36.50	96.00 x 36.00	28.58 x 30.50	6.05	86.75 x 30.50	18.37	12/12/12
*8/0 x 3/6	95.50 x 41.50	96.50 x 42.50	96.00 x 42.00	28.58 x 36.50	7.25	86.75 x 36.50	21.99	12/12/12
*8/0 x 4/0	95.50 x 47.50	96.50 x 48.50	96.00 x 48.00	28.58 x 42.50	8.44	86.75 x 42.50	25.60	16/16/16
*8/0 x 4/6	95.50 x 53.50	96.50 x 54.50	96.00 x 54.00	28.58 x 48.50	9.63	86.75 x 48.50	29.22	16/16/16
*8/0 x 5/0	95.50 x 59.50	96.50 x 60.50	96.00 x 60.00	28.58 x 54.50	10.82	86.75 x 54.50	32.83	16/16/16
*8/0 x 5/6	95.50 x 65.50	96.50 x 66.50	96.00 x 66.00	28.58 x 60.50	12.01	86.75 x 60.50	36.45	16/16/16
*8/0 x 6/0	95.50 x 71.50	96.50 x 72.50	96.00 x 72.00	28.58 x 66.50	13.20	86.75 x 66.50	40.06	16/16/16
9/0 x 2/0	107.50 x 23.50	108.50 x 24.50	108.00 x 24.00	32.58 x 18.50	4.19	98.75 x 18.50	12.69	8/8/8
*9/0 x 3/0	107.50 x 35.50	108.50 x 36.50	108.00 x 36.00	32.58 x 30.50	6.90	98.75 x 30.50	20.92	12/12/12
*9/0 x 3/6	107.50 x 41.50	108.50 x 42.50	108.00 x 42.00	32.58 x 36.50	8.26	98.75 x 36.50	25.03	12/12/12
*9/0 x 4/0	107.50 x 47.50	108.50 x 48.50	108.00 x 48.00	32.58 x 42.50	9.62	98.75 x 42.50	29.14	16/16/16
*9/0 x 4/6	107.50 x 53.50	108.50 x 54.50	108.00 x 54.00	32.58 x 48.50	10.97	98.75 x 48.50	33.26	16/16/16
*9/0 x 5/0	107.50 x 59.50	108.50 x 60.50	108.00 x 60.00	32.58 x 54.50	12.33	98.75 x 54.50	37.37	16/16/16

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

DOUBLE-HUNG – MODEL 1901



Size Limitations			
	Width	Height	U.I.
Min	16"	25"	
Max	48"	84"	132"
	52"	76"	

Actual Window Size Formulas – Per Opening	
Actual Window Width	Actual Window Height
Rough Opening – 0.5"	Rough Opening – 0.5"

Exterior Dimension W/J-Channel Formulas – Per Opening	
Exterior Dimension Width	Exterior Dimension Height
Rough Opening + 1"	Rough Opening + 1"

Clear Opening Formulas – Per Opening	
Clear Opening Width (COW)	Clear Opening Height (COH)
FW – 4.5"	FH/2 – 4.25"

Clear Opening / Egress Square Foot Formula	
Clear Opening Width x Clear Opening Height / 144	

Visible Glass Formulas – Top Sash	
Visible Glass Width (VGW)	Visible Glass Height (VGH)
FW – 5.75"	FH/2 – 3.5"

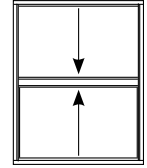
Visible Glass Formulas – Bottom Sash	
Visible Glass Width (VGW)	Visible Glass Height (VGH)
FW – 4.5"	FH/2 – 2.875"

Total Visible Glass Square Foot Formula	
(Top Sash VGW x VGH / 144) + (Bottom Sash VGW x VGH / 144)	

Egress/Clear Opening Size Reference Chart																
		Actual Window Width														
		17.50	19.50	23.50	27.50	29.50	31.50	33.50	35.50	37.50	39.50	41.50	43.50	47.50	49.50	51.50
Actual Window Height	35.50															
	37.50															
	43.50															
	45.50															
	47.50															
	49.50															
	51.50															
	53.50															
	59.50									•	•	•	•	•	•	•
	61.50									•	•	•	•	•	•	•
	63.50									•	•	•	•	•	•	•
	65.50								•	•	•	•	•	•	•	•
	71.50							•	•	•	•	•	•	•	•	•
	73.50							•	•	•	•	•	•	•	•	•
	77.50					•	•	•	•	•	•	•	•	•	•	•
	83.50				•	•	•	•	•	•	•	•	•	•	•	•

Egress/clear opening criteria is a minimum 20" net opening width, minimum 24" net opening height and minimum 5.7 sq. ft. opening area.

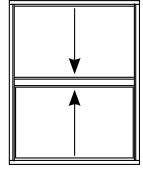
DOUBLE-HUNG – MODEL 1901



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Top Sash	Visible Glass Bottom Sash	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	W x H	W x H	W x H	W x H		W x H	W x H		
1/6 x 3/0	17.50 x 35.50	18.50 x 36.50	18.00 x 36.00	13.00 x 13.50	1.22	11.75 x 14.25	13.00 x 14.88	2.51	4/4
1/6 x 3/2	17.50 x 37.50	18.50 x 38.50	18.00 x 38.00	13.00 x 14.50	1.31	11.75 x 15.25	13.00 x 15.88	2.68	4/4
1/6 x 3/8	17.50 x 43.50	18.50 x 44.50	18.00 x 44.00	13.00 x 17.50	1.58	11.75 x 18.25	13.00 x 18.88	3.19	4/4
1/6 x 3/10	17.50 x 45.50	18.50 x 46.50	18.00 x 46.00	13.00 x 18.50	1.67	11.75 x 19.25	13.00 x 19.88	3.37	4/4
1/6 x 4/0	17.50 x 47.50	18.50 x 48.50	18.00 x 48.00	13.00 x 19.50	1.76	11.75 x 20.25	13.00 x 20.88	3.54	4/4
1/6 x 4/2	17.50 x 49.50	18.50 x 50.50	18.00 x 50.00	13.00 x 20.50	1.85	11.75 x 21.25	13.00 x 21.88	3.71	4/4
1/6 x 4/4	17.50 x 51.50	18.50 x 52.50	18.00 x 52.00	13.00 x 21.50	1.94	11.75 x 22.25	13.00 x 22.88	3.88	4/4
1/6 x 4/6	17.50 x 53.50	18.50 x 54.50	18.00 x 54.00	13.00 x 22.50	2.03	11.75 x 23.25	13.00 x 23.88	4.05	4/4
1/6 x 5/0	17.50 x 59.50	18.50 x 60.50	18.00 x 60.00	13.00 x 25.50	2.30	11.75 x 26.25	13.00 x 26.88	4.57	4/4
1/6 x 5/2	17.50 x 61.50	18.50 x 62.50	18.00 x 62.00	13.00 x 26.50	2.39	11.75 x 27.25	13.00 x 27.88	4.74	4/4
1/6 x 5/4	17.50 x 63.50	18.50 x 64.50	18.00 x 64.00	13.00 x 27.50	2.48	11.75 x 28.25	13.00 x 28.88	4.91	4/4
1/6 x 5/6	17.50 x 65.50	18.50 x 66.50	18.00 x 66.00	13.00 x 28.50	2.57	11.75 x 29.25	13.00 x 29.88	5.08	4/4
1/6 x 6/0	17.50 x 71.50	18.50 x 72.50	18.00 x 72.00	13.00 x 31.50	2.84	11.75 x 32.25	13.00 x 32.88	5.60	4/4
1/6 x 6/2	17.50 x 73.50	18.50 x 74.50	18.00 x 74.00	13.00 x 32.50	2.93	11.75 x 33.25	13.00 x 33.88	5.77	6/6
1/6 x 6/6	17.50 x 77.50	18.50 x 78.50	18.00 x 78.00	13.00 x 34.50	3.11	11.75 x 35.25	13.00 x 35.88	6.12	6/6
1/6 x 7/0	17.50 x 83.50	18.50 x 84.50	18.00 x 84.00	13.00 x 37.50	3.39	11.75 x 38.25	13.00 x 38.88	6.63	6/6
1/8 x 3/0	19.50 x 35.50	20.50 x 36.50	20.00 x 36.00	15.00 x 13.50	1.41	13.75 x 14.25	15.00 x 14.88	2.91	4/4
1/8 x 3/2	19.50 x 37.50	20.50 x 38.50	20.00 x 38.00	15.00 x 14.50	1.51	13.75 x 15.25	15.00 x 15.88	3.11	4/4
1/8 x 3/8	19.50 x 43.50	20.50 x 44.50	20.00 x 44.00	15.00 x 17.50	1.82	13.75 x 18.25	15.00 x 18.88	3.71	4/4
1/8 x 3/10	19.50 x 45.50	20.50 x 46.50	20.00 x 46.00	15.00 x 18.50	1.93	13.75 x 19.25	15.00 x 19.88	3.91	4/4
1/8 x 4/0	19.50 x 47.50	20.50 x 48.50	20.00 x 48.00	15.00 x 19.50	2.03	13.75 x 20.25	15.00 x 20.88	4.11	4/4
1/8 x 4/2	19.50 x 49.50	20.50 x 50.50	20.00 x 50.00	15.00 x 20.50	2.14	13.75 x 21.25	15.00 x 21.88	4.31	4/4
1/8 x 4/4	19.50 x 51.50	20.50 x 52.50	20.00 x 52.00	15.00 x 21.50	2.24	13.75 x 22.25	15.00 x 22.88	4.51	4/4
1/8 x 4/6	19.50 x 53.50	20.50 x 54.50	20.00 x 54.00	15.00 x 22.50	2.34	13.75 x 23.25	15.00 x 23.88	4.71	4/4
1/8 x 5/0	19.50 x 59.50	20.50 x 60.50	20.00 x 60.00	15.00 x 25.50	2.66	13.75 x 26.25	15.00 x 26.88	5.31	4/4
1/8 x 5/2	19.50 x 61.50	20.50 x 62.50	20.00 x 62.00	15.00 x 26.50	2.76	13.75 x 27.25	15.00 x 27.88	5.51	4/4
1/8 x 5/4	19.50 x 63.50	20.50 x 64.50	20.00 x 64.00	15.00 x 27.50	2.86	13.75 x 28.25	15.00 x 28.88	5.71	4/4
1/8 x 5/6	19.50 x 65.50	20.50 x 66.50	20.00 x 66.00	15.00 x 28.50	2.97	13.75 x 29.25	15.00 x 29.88	5.90	4/4
1/8 x 6/0	19.50 x 71.50	20.50 x 72.50	20.00 x 72.00	15.00 x 31.50	3.28	13.75 x 32.25	15.00 x 32.88	6.50	4/4
1/8 x 6/2	19.50 x 73.50	20.50 x 74.50	20.00 x 74.00	15.00 x 32.50	3.39	13.75 x 33.25	15.00 x 33.88	6.70	6/6
1/8 x 6/6	19.50 x 77.50	20.50 x 78.50	20.00 x 78.00	15.00 x 34.50	3.59	13.75 x 35.25	15.00 x 35.88	7.10	6/6
1/8 x 7/0	19.50 x 83.50	20.50 x 84.50	20.00 x 84.00	15.00 x 37.50	3.91	13.75 x 38.25	15.00 x 38.88	7.70	6/6

DOUBLE-HUNG – MODEL 1901

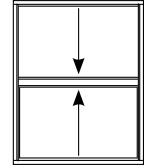


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Top Sash	Visible Glass Bottom Sash	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	W x H	W x H	W x H	W x H		W x H	W x H		
2/0 x 3/0	23.50 x 35.50	24.50 x 36.50	24.00 x 36.00	19.00 x 13.50	1.78	17.75 x 14.25	19.00 x 14.88	3.72	4/4
2/0 x 3/2	23.50 x 37.50	24.50 x 38.50	24.00 x 38.00	19.00 x 14.50	1.91	17.75 x 15.25	19.00 x 15.88	3.97	4/4
2/0 x 3/8	23.50 x 43.50	24.50 x 44.50	24.00 x 44.00	19.00 x 17.50	2.31	17.75 x 18.25	19.00 x 18.88	4.74	4/4
2/0 x 3/10	23.50 x 45.50	24.50 x 46.50	24.00 x 46.00	19.00 x 18.50	2.44	17.75 x 19.25	19.00 x 19.88	5.00	4/4
2/0 x 4/0	23.50 x 47.50	24.50 x 48.50	24.00 x 48.00	19.00 x 19.50	2.57	17.75 x 20.25	19.00 x 20.88	5.25	4/4
2/0 x 4/2	23.50 x 49.50	24.50 x 50.50	24.00 x 50.00	19.00 x 20.50	2.70	17.75 x 21.25	19.00 x 21.88	5.51	4/4
2/0 x 4/4	23.50 x 51.50	24.50 x 52.50	24.00 x 52.00	19.00 x 21.50	2.84	17.75 x 22.25	19.00 x 22.88	5.76	4/4
2/0 x 4/6	23.50 x 53.50	24.50 x 54.50	24.00 x 54.00	19.00 x 22.50	2.97	17.75 x 23.25	19.00 x 23.88	6.02	4/4
2/0 x 5/0	23.50 x 59.50	24.50 x 60.50	24.00 x 60.00	19.00 x 25.50	3.36	17.75 x 26.25	19.00 x 26.88	6.78	4/4
2/0 x 5/2	23.50 x 61.50	24.50 x 62.50	24.00 x 62.00	19.00 x 26.50	3.50	17.75 x 27.25	19.00 x 27.88	7.04	4/4
2/0 x 5/4	23.50 x 63.50	24.50 x 64.50	24.00 x 64.00	19.00 x 27.50	3.63	17.75 x 28.25	19.00 x 28.88	7.29	4/4
2/0 x 5/6	23.50 x 65.50	24.50 x 66.50	24.00 x 66.00	19.00 x 28.50	3.76	17.75 x 29.25	19.00 x 29.88	7.55	4/4
2/0 x 6/0	23.50 x 71.50	24.50 x 72.50	24.00 x 72.00	19.00 x 31.50	4.16	17.75 x 32.25	19.00 x 32.88	8.31	4/4
2/0 x 6/2	23.50 x 73.50	24.50 x 74.50	24.00 x 74.00	19.00 x 32.50	4.29	17.75 x 33.25	19.00 x 33.88	8.57	6/6
2/0 x 6/6	23.50 x 77.50	24.50 x 78.50	24.00 x 78.00	19.00 x 34.50	4.55	17.75 x 35.25	19.00 x 35.88	9.08	6/6
2/0 x 7/0	23.50 x 83.50	24.50 x 84.50	24.00 x 84.00	19.00 x 37.50	4.95	17.75 x 38.25	19.00 x 38.88	9.84	6/6
2/4 x 3/0	27.50 x 35.50	28.50 x 36.50	28.00 x 36.00	23.00 x 13.50	2.16	21.75 x 14.25	23.00 x 14.88	4.53	6/6
2/4 x 3/2	27.50 x 37.50	28.50 x 38.50	28.00 x 38.00	23.00 x 14.50	2.32	21.75 x 15.25	23.00 x 15.88	4.84	6/6
2/4 x 3/8	27.50 x 43.50	28.50 x 44.50	28.00 x 44.00	23.00 x 17.50	2.80	21.75 x 18.25	23.00 x 18.88	5.77	6/6
2/4 x 3/10	27.50 x 45.50	28.50 x 46.50	28.00 x 46.00	23.00 x 18.50	2.95	21.75 x 19.25	23.00 x 19.88	6.08	6/6
2/4 x 4/0	27.50 x 47.50	28.50 x 48.50	28.00 x 48.00	23.00 x 19.50	3.11	21.75 x 20.25	23.00 x 20.88	6.39	6/6
2/4 x 4/2	27.50 x 49.50	28.50 x 50.50	28.00 x 50.00	23.00 x 20.50	3.27	21.75 x 21.25	23.00 x 21.88	6.70	6/6
2/4 x 4/4	27.50 x 51.50	28.50 x 52.50	28.00 x 52.00	23.00 x 21.50	3.43	21.75 x 22.25	23.00 x 22.88	7.01	6/6
2/4 x 4/6	27.50 x 53.50	28.50 x 54.50	28.00 x 54.00	23.00 x 22.50	3.59	21.75 x 23.25	23.00 x 23.88	7.33	6/6
2/4 x 5/0	27.50 x 59.50	28.50 x 60.50	28.00 x 60.00	23.00 x 25.50	4.07	21.75 x 26.25	23.00 x 26.88	8.26	6/6
2/4 x 5/2	27.50 x 61.50	28.50 x 62.50	28.00 x 62.00	23.00 x 26.50	4.23	21.75 x 27.25	23.00 x 27.88	8.57	6/6
2/4 x 5/4	27.50 x 63.50	28.50 x 64.50	28.00 x 64.00	23.00 x 27.50	4.39	21.75 x 28.25	23.00 x 28.88	8.88	6/6
2/4 x 5/6	27.50 x 65.50	28.50 x 66.50	28.00 x 66.00	23.00 x 28.50	4.55	21.75 x 29.25	23.00 x 29.88	9.19	6/6
2/4 x 6/0	27.50 x 71.50	28.50 x 72.50	28.00 x 72.00	23.00 x 31.50	5.03	21.75 x 32.25	23.00 x 32.88	10.12	6/6
2/4 x 6/2	27.50 x 73.50	28.50 x 74.50	28.00 x 74.00	23.00 x 32.50	5.19	21.75 x 33.25	23.00 x 33.88	10.43	9/9
2/4 x 6/6	27.50 x 77.50	28.50 x 78.50	28.00 x 78.00	23.00 x 34.50	5.51	21.75 x 35.25	23.00 x 35.88	11.05	9/9
*2/4 x 7/0	27.50 x 83.50	28.50 x 84.50	28.00 x 84.00	23.00 x 37.50	5.99	21.75 x 38.25	23.00 x 38.88	11.99	9/9

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

DOUBLE-HUNG – MODEL 1901

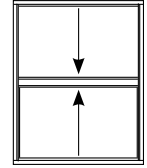


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Top Sash	Visible Glass Bottom Sash	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	W x H	W x H	W x H	W x H		W x H	W x H		
2/6 x 3/0	29.50 x 35.50	30.50 x 36.50	30.00 x 36.00	25.00 x 13.50	2.34	23.75 x 14.25	25.00 x 14.88	4.93	6/6
2/6 x 3/2	29.50 x 37.50	30.50 x 38.50	30.00 x 38.00	25.00 x 14.50	2.52	23.75 x 15.25	25.00 x 15.88	5.27	6/6
2/6 x 3/8	29.50 x 43.50	30.50 x 44.50	30.00 x 44.00	25.00 x 17.50	3.04	23.75 x 18.25	25.00 x 18.88	6.29	6/6
2/6 x 3/10	29.50 x 45.50	30.50 x 46.50	30.00 x 46.00	25.00 x 18.50	3.21	23.75 x 19.25	25.00 x 19.88	6.63	6/6
2/6 x 4/0	29.50 x 47.50	30.50 x 48.50	30.00 x 48.00	25.00 x 19.50	3.39	23.75 x 20.25	25.00 x 20.88	6.96	6/6
2/6 x 4/2	29.50 x 49.50	30.50 x 50.50	30.00 x 50.00	25.00 x 20.50	3.56	23.75 x 21.25	25.00 x 21.88	7.30	6/6
2/6 x 4/4	29.50 x 51.50	30.50 x 52.50	30.00 x 52.00	25.00 x 21.50	3.73	23.75 x 22.25	25.00 x 22.88	7.64	6/6
2/6 x 4/6	29.50 x 53.50	30.50 x 54.50	30.00 x 54.00	25.00 x 22.50	3.91	23.75 x 23.25	25.00 x 23.88	7.98	6/6
2/6 x 5/0	29.50 x 59.50	30.50 x 60.50	30.00 x 60.00	25.00 x 25.50	4.43	23.75 x 26.25	25.00 x 26.88	9.00	6/6
2/6 x 5/2	29.50 x 61.50	30.50 x 62.50	30.00 x 62.00	25.00 x 26.50	4.60	23.75 x 27.25	25.00 x 27.88	9.33	6/6
2/6 x 5/4	29.50 x 63.50	30.50 x 64.50	30.00 x 64.00	25.00 x 27.50	4.77	23.75 x 28.25	25.00 x 28.88	9.67	6/6
2/6 x 5/6	29.50 x 65.50	30.50 x 66.50	30.00 x 66.00	25.00 x 28.50	4.95	23.75 x 29.25	25.00 x 29.88	10.01	6/6
2/6 x 6/0	29.50 x 71.50	30.50 x 72.50	30.00 x 72.00	25.00 x 31.50	5.47	23.75 x 32.25	25.00 x 32.88	11.03	6/6
2/6 x 6/2	29.50 x 73.50	30.50 x 74.50	30.00 x 74.00	25.00 x 32.50	5.64	23.75 x 33.25	25.00 x 33.88	11.37	9/9
*2/6 x 6/6	29.50 x 77.50	30.50 x 78.50	30.00 x 78.00	25.00 x 34.50	5.99	23.75 x 35.25	25.00 x 35.88	12.04	9/9
*2/6 x 7/0	29.50 x 83.50	30.50 x 84.50	30.00 x 84.00	25.00 x 37.50	6.51	23.75 x 38.25	25.00 x 38.88	13.06	9/9
2/8 x 3/0	31.50 x 35.50	32.50 x 36.50	32.00 x 36.00	27.00 x 13.50	2.53	25.75 x 14.25	27.00 x 14.88	5.34	6/6
2/8 x 3/2	31.50 x 37.50	32.50 x 38.50	32.00 x 38.00	27.00 x 14.50	2.72	25.75 x 15.25	27.00 x 15.88	5.70	6/6
2/8 x 3/8	31.50 x 43.50	32.50 x 44.50	32.00 x 44.00	27.00 x 17.50	3.28	25.75 x 18.25	27.00 x 18.88	6.80	6/6
2/8 x 3/10	31.50 x 45.50	32.50 x 46.50	32.00 x 46.00	27.00 x 18.50	3.47	25.75 x 19.25	27.00 x 19.88	7.17	6/6
2/8 x 4/0	31.50 x 47.50	32.50 x 48.50	32.00 x 48.00	27.00 x 19.50	3.66	25.75 x 20.25	27.00 x 20.88	7.54	6/6
2/8 x 4/2	31.50 x 49.50	32.50 x 50.50	32.00 x 50.00	27.00 x 20.50	3.84	25.75 x 21.25	27.00 x 21.88	7.90	6/6
2/8 x 4/4	31.50 x 51.50	32.50 x 52.50	32.00 x 52.00	27.00 x 21.50	4.03	25.75 x 22.25	27.00 x 22.88	8.27	6/6
2/8 x 4/6	31.50 x 53.50	32.50 x 54.50	32.00 x 54.00	27.00 x 22.50	4.22	25.75 x 23.25	27.00 x 23.88	8.63	6/6
2/8 x 5/0	31.50 x 59.50	32.50 x 60.50	32.00 x 60.00	27.00 x 25.50	4.78	25.75 x 26.25	27.00 x 26.88	9.73	6/6
2/8 x 5/2	31.50 x 61.50	32.50 x 62.50	32.00 x 62.00	27.00 x 26.50	4.97	25.75 x 27.25	27.00 x 27.88	10.10	6/6
2/8 x 5/4	31.50 x 63.50	32.50 x 64.50	32.00 x 64.00	27.00 x 27.50	5.16	25.75 x 28.25	27.00 x 28.88	10.47	6/6
2/8 x 5/6	31.50 x 65.50	32.50 x 66.50	32.00 x 66.00	27.00 x 28.50	5.34	25.75 x 29.25	27.00 x 29.88	10.83	6/6
*2/8 x 6/0	31.50 x 71.50	32.50 x 72.50	32.00 x 72.00	27.00 x 31.50	5.91	25.75 x 32.25	27.00 x 32.88	11.93	6/6
*2/8 x 6/2	31.50 x 73.50	32.50 x 74.50	32.00 x 74.00	27.00 x 32.50	6.09	25.75 x 33.25	27.00 x 33.88	12.30	9/9
*2/8 x 6/6	31.50 x 77.50	32.50 x 78.50	32.00 x 78.00	27.00 x 34.50	6.47	25.75 x 35.25	27.00 x 35.88	13.03	9/9
*2/8 x 7/0	31.50 x 83.50	32.50 x 84.50	32.00 x 84.00	27.00 x 37.50	7.03	25.75 x 38.25	27.00 x 38.88	14.13	9/9

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

DOUBLE-HUNG – MODEL 1901

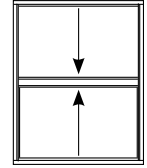


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Top Sash	Visible Glass Bottom Sash	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	W x H	W x H	W x H	W x H		W x H	W x H		
2/10 x 3/0	33.50 x 35.50	34.50 x 36.50	34.00 x 36.00	29.00 x 13.50	2.72	27.75 x 14.25	29.00 x 14.88	5.74	6/6
2/10 x 3/2	33.50 x 37.50	34.50 x 38.50	34.00 x 38.00	29.00 x 14.50	2.92	27.75 x 15.25	29.00 x 15.88	6.14	6/6
2/10 x 3/8	33.50 x 43.50	34.50 x 44.50	34.00 x 44.00	29.00 x 17.50	3.52	27.75 x 18.25	29.00 x 18.88	7.32	6/6
2/10 x 3/10	33.50 x 45.50	34.50 x 46.50	34.00 x 46.00	29.00 x 18.50	3.73	27.75 x 19.25	29.00 x 19.88	7.71	6/6
2/10 x 4/0	33.50 x 47.50	34.50 x 48.50	34.00 x 48.00	29.00 x 19.50	3.93	27.75 x 20.25	29.00 x 20.88	8.11	6/6
2/10 x 4/2	33.50 x 49.50	34.50 x 50.50	34.00 x 50.00	29.00 x 20.50	4.13	27.75 x 21.25	29.00 x 21.88	8.50	6/6
2/10 x 4/4	33.50 x 51.50	34.50 x 52.50	34.00 x 52.00	29.00 x 21.50	4.33	27.75 x 22.25	29.00 x 22.88	8.89	6/6
2/10 x 4/6	33.50 x 53.50	34.50 x 54.50	34.00 x 54.00	29.00 x 22.50	4.53	27.75 x 23.25	29.00 x 23.88	9.29	6/6
2/10 x 5/0	33.50 x 59.50	34.50 x 60.50	34.00 x 60.00	29.00 x 25.50	5.14	27.75 x 26.25	29.00 x 26.88	10.47	6/6
2/10 x 5/2	33.50 x 61.50	34.50 x 62.50	34.00 x 62.00	29.00 x 26.50	5.34	27.75 x 27.25	29.00 x 27.88	10.87	6/6
2/10 x 5/4	33.50 x 63.50	34.50 x 64.50	34.00 x 64.00	29.00 x 27.50	5.54	27.75 x 28.25	29.00 x 28.88	11.26	6/6
*2/10 x 5/6	33.50 x 65.50	34.50 x 66.50	34.00 x 66.00	29.00 x 28.50	5.74	27.75 x 29.25	29.00 x 29.88	11.65	6/6
*2/10 x 6/0	33.50 x 71.50	34.50 x 72.50	34.00 x 72.00	29.00 x 31.50	6.34	27.75 x 32.25	29.00 x 32.88	12.84	6/6
*2/10 x 6/2	33.50 x 73.50	34.50 x 74.50	34.00 x 74.00	29.00 x 32.50	6.55	27.75 x 33.25	29.00 x 33.88	13.23	9/9
*2/10 x 6/6	33.50 x 77.50	34.50 x 78.50	34.00 x 78.00	29.00 x 34.50	6.95	27.75 x 35.25	29.00 x 35.88	14.02	9/9
*2/10 x 7/0	33.50 x 83.50	34.50 x 84.50	34.00 x 84.00	29.00 x 37.50	7.55	27.75 x 38.25	29.00 x 38.88	15.20	9/9
3/0 x 3/0	35.50 x 35.50	36.50 x 36.50	36.00 x 36.00	31.00 x 13.50	2.91	29.75 x 14.25	31.00 x 14.88	6.15	6/6
3/0 x 3/2	35.50 x 37.50	36.50 x 38.50	36.00 x 38.00	31.00 x 14.50	3.12	29.75 x 15.25	31.00 x 15.88	6.57	6/6
3/0 x 3/8	35.50 x 43.50	36.50 x 44.50	36.00 x 44.00	31.00 x 17.50	3.77	29.75 x 18.25	31.00 x 18.88	7.83	6/6
3/0 x 3/10	35.50 x 45.50	36.50 x 46.50	36.00 x 46.00	31.00 x 18.50	3.98	29.75 x 19.25	31.00 x 19.88	8.26	6/6
3/0 x 4/0	35.50 x 47.50	36.50 x 48.50	36.00 x 48.00	31.00 x 19.50	4.20	29.75 x 20.25	31.00 x 20.88	8.68	6/6
3/0 x 4/2	35.50 x 49.50	36.50 x 50.50	36.00 x 50.00	31.00 x 20.50	4.41	29.75 x 21.25	31.00 x 21.88	9.10	6/6
3/0 x 4/4	35.50 x 51.50	36.50 x 52.50	36.00 x 52.00	31.00 x 21.50	4.63	29.75 x 22.25	31.00 x 22.88	9.52	6/6
3/0 x 4/6	35.50 x 53.50	36.50 x 54.50	36.00 x 54.00	31.00 x 22.50	4.84	29.75 x 23.25	31.00 x 23.88	9.94	6/6
3/0 x 5/0	35.50 x 59.50	36.50 x 60.50	36.00 x 60.00	31.00 x 25.50	5.49	29.75 x 26.25	31.00 x 26.88	11.21	6/6
*3/0 x 5/2	35.50 x 61.50	36.50 x 62.50	36.00 x 62.00	31.00 x 26.50	5.70	29.75 x 27.25	31.00 x 27.88	11.63	6/6
*3/0 x 5/4	35.50 x 63.50	36.50 x 64.50	36.00 x 64.00	31.00 x 27.50	5.92	29.75 x 28.25	31.00 x 28.88	12.05	6/6
*3/0 x 5/6	35.50 x 65.50	36.50 x 66.50	36.00 x 66.00	31.00 x 28.50	6.14	29.75 x 29.25	31.00 x 29.88	12.47	6/6
*3/0 x 6/0	35.50 x 71.50	36.50 x 72.50	36.00 x 72.00	31.00 x 31.50	6.78	29.75 x 32.25	31.00 x 32.88	13.74	6/6
*3/0 x 6/2	35.50 x 73.50	36.50 x 74.50	36.00 x 74.00	31.00 x 32.50	7.00	29.75 x 33.25	31.00 x 33.88	14.16	9/9
*3/0 x 6/6	35.50 x 77.50	36.50 x 78.50	36.00 x 78.00	31.00 x 34.50	7.43	29.75 x 35.25	31.00 x 35.88	15.01	9/9
*3/0 x 7/0	35.50 x 83.50	36.50 x 84.50	36.00 x 84.00	31.00 x 37.50	8.07	29.75 x 38.25	31.00 x 38.88	16.27	9/9

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

DOUBLE-HUNG – MODEL 1901

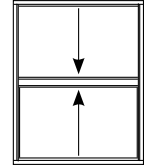


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Top Sash	Visible Glass Bottom Sash	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	W x H	W x H	W x H	W x H		W x H	W x H		
3/2 x 3/0	37.50 x 35.50	38.50 x 36.50	38.00 x 36.00	33.00 x 13.50	3.09	31.75 x 14.25	33.00 x 14.88	6.55	8/8
3/2 x 3/2	37.50 x 37.50	38.50 x 38.50	38.00 x 38.00	33.00 x 14.50	3.32	31.75 x 15.25	33.00 x 15.88	7.00	8/8
3/2 x 3/8	37.50 x 43.50	38.50 x 44.50	38.00 x 44.00	33.00 x 17.50	4.01	31.75 x 18.25	33.00 x 18.88	8.35	8/8
3/2 x 3/10	37.50 x 45.50	38.50 x 46.50	38.00 x 46.00	33.00 x 18.50	4.24	31.75 x 19.25	33.00 x 19.88	8.80	8/8
3/2 x 4/0	37.50 x 47.50	38.50 x 48.50	38.00 x 48.00	33.00 x 19.50	4.47	31.75 x 20.25	33.00 x 20.88	9.25	8/8
3/2 x 4/2	37.50 x 49.50	38.50 x 50.50	38.00 x 50.00	33.00 x 20.50	4.70	31.75 x 21.25	33.00 x 21.88	9.70	8/8
3/2 x 4/4	37.50 x 51.50	38.50 x 52.50	38.00 x 52.00	33.00 x 21.50	4.93	31.75 x 22.25	33.00 x 22.88	10.15	8/8
3/2 x 4/6	37.50 x 53.50	38.50 x 54.50	38.00 x 54.00	33.00 x 22.50	5.16	31.75 x 23.25	33.00 x 23.88	10.60	8/8
*3/2 x 5/0	37.50 x 59.50	38.50 x 60.50	38.00 x 60.00	33.00 x 25.50	5.84	31.75 x 26.25	33.00 x 26.88	11.95	8/8
*3/2 x 5/2	37.50 x 61.50	38.50 x 62.50	38.00 x 62.00	33.00 x 26.50	6.07	31.75 x 27.25	33.00 x 27.88	12.40	8/8
*3/2 x 5/4	37.50 x 63.50	38.50 x 64.50	38.00 x 64.00	33.00 x 27.50	6.30	31.75 x 28.25	33.00 x 28.88	12.85	8/8
*3/2 x 5/6	37.50 x 65.50	38.50 x 66.50	38.00 x 66.00	33.00 x 28.50	6.53	31.75 x 29.25	33.00 x 29.88	13.30	8/8
*3/2 x 6/0	37.50 x 71.50	38.50 x 72.50	38.00 x 72.00	33.00 x 31.50	7.22	31.75 x 32.25	33.00 x 32.88	14.64	8/8
*3/2 x 6/2	37.50 x 73.50	38.50 x 74.50	38.00 x 74.00	33.00 x 32.50	7.45	31.75 x 33.25	33.00 x 33.88	15.09	12/12
*3/2 x 6/6	37.50 x 77.50	38.50 x 78.50	38.00 x 78.00	33.00 x 34.50	7.91	31.75 x 35.25	33.00 x 35.88	15.99	12/12
*3/2 x 7/0	37.50 x 83.50	38.50 x 84.50	38.00 x 84.00	33.00 x 37.50	8.59	31.75 x 38.25	33.00 x 38.88	17.34	12/12
3/4 x 3/0	39.50 x 35.50	40.50 x 36.50	40.00 x 36.00	35.00 x 13.50	3.28	33.75 x 14.25	35.00 x 14.88	6.96	8/8
3/4 x 3/2	39.50 x 37.50	40.50 x 38.50	40.00 x 38.00	35.00 x 14.50	3.52	33.75 x 15.25	35.00 x 15.88	7.43	8/8
3/4 x 3/8	39.50 x 43.50	40.50 x 44.50	40.00 x 44.00	35.00 x 17.50	4.25	33.75 x 18.25	35.00 x 18.88	8.87	8/8
3/4 x 3/10	39.50 x 45.50	40.50 x 46.50	40.00 x 46.00	35.00 x 18.50	4.50	33.75 x 19.25	35.00 x 19.88	9.34	8/8
3/4 x 4/0	39.50 x 47.50	40.50 x 48.50	40.00 x 48.00	35.00 x 19.50	4.74	33.75 x 20.25	35.00 x 20.88	9.82	8/8
3/4 x 4/2	39.50 x 49.50	40.50 x 50.50	40.00 x 50.00	35.00 x 20.50	4.98	33.75 x 21.25	35.00 x 21.88	10.30	8/8
3/4 x 4/4	39.50 x 51.50	40.50 x 52.50	40.00 x 52.00	35.00 x 21.50	5.23	33.75 x 22.25	35.00 x 22.88	10.77	8/8
3/4 x 4/6	39.50 x 53.50	40.50 x 54.50	40.00 x 54.00	35.00 x 22.50	5.47	33.75 x 23.25	35.00 x 23.88	11.25	8/8
*3/4 x 5/0	39.50 x 59.50	40.50 x 60.50	40.00 x 60.00	35.00 x 25.50	6.20	33.75 x 26.25	35.00 x 26.88	12.68	8/8
*3/4 x 5/2	39.50 x 61.50	40.50 x 62.50	40.00 x 62.00	35.00 x 26.50	6.44	33.75 x 27.25	35.00 x 27.88	13.16	8/8
*3/4 x 5/4	39.50 x 63.50	40.50 x 64.50	40.00 x 64.00	35.00 x 27.50	6.68	33.75 x 28.25	35.00 x 28.88	13.64	8/8
*3/4 x 5/6	39.50 x 65.50	40.50 x 66.50	40.00 x 66.00	35.00 x 28.50	6.93	33.75 x 29.25	35.00 x 29.88	14.12	8/8
*3/4 x 6/0	39.50 x 71.50	40.50 x 72.50	40.00 x 72.00	35.00 x 31.50	7.66	33.75 x 32.25	35.00 x 32.88	15.55	8/8
*3/4 x 6/2	39.50 x 73.50	40.50 x 74.50	40.00 x 74.00	35.00 x 32.50	7.90	33.75 x 33.25	35.00 x 33.88	16.03	12/12
*3/4 x 6/6	39.50 x 77.50	40.50 x 78.50	40.00 x 78.00	35.00 x 34.50	8.39	33.75 x 35.25	35.00 x 35.88	16.98	12/12
*3/4 x 7/0	39.50 x 83.50	40.50 x 84.50	40.00 x 84.00	35.00 x 37.50	9.11	33.75 x 38.25	35.00 x 38.88	18.41	12/12

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

DOUBLE-HUNG – MODEL 1901

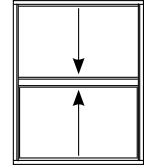


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Top Sash	Visible Glass Bottom Sash	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	W x H	W x H	W x H	W x H		W x H	W x H		
3/6 x 3/0	41.50 x 35.50	42.50 x 36.50	42.00 x 36.00	37.00 x 13.50	3.47	35.75 x 14.25	37.00 x 14.88	7.36	8/8
3/6 x 3/2	41.50 x 37.50	42.50 x 38.50	42.00 x 38.00	37.00 x 14.50	3.73	35.75 x 15.25	37.00 x 15.88	7.87	8/8
3/6 x 3/8	41.50 x 43.50	42.50 x 44.50	42.00 x 44.00	37.00 x 17.50	4.50	35.75 x 18.25	37.00 x 18.88	9.38	8/8
3/6 x 3/10	41.50 x 45.50	42.50 x 46.50	42.00 x 46.00	37.00 x 18.50	4.75	35.75 x 19.25	37.00 x 19.88	9.89	8/8
3/6 x 4/0	41.50 x 47.50	42.50 x 48.50	42.00 x 48.00	37.00 x 19.50	5.01	35.75 x 20.25	37.00 x 20.88	10.39	8/8
3/6 x 4/2	41.50 x 49.50	42.50 x 50.50	42.00 x 50.00	37.00 x 20.50	5.27	35.75 x 21.25	37.00 x 21.88	10.90	8/8
3/6 x 4/4	41.50 x 51.50	42.50 x 52.50	42.00 x 52.00	37.00 x 21.50	5.52	35.75 x 22.25	37.00 x 22.88	11.40	8/8
3/6 x 4/6	41.50 x 53.50	42.50 x 54.50	42.00 x 54.00	37.00 x 22.50	5.78	35.75 x 23.25	37.00 x 23.88	11.91	8/8
*3/6 x 5/0	41.50 x 59.50	42.50 x 60.50	42.00 x 60.00	37.00 x 25.50	6.55	35.75 x 26.25	37.00 x 26.88	13.42	8/8
*3/6 x 5/2	41.50 x 61.50	42.50 x 62.50	42.00 x 62.00	37.00 x 26.50	6.81	35.75 x 27.25	37.00 x 27.88	13.93	8/8
*3/6 x 5/4	41.50 x 63.50	42.50 x 64.50	42.00 x 64.00	37.00 x 27.50	7.07	35.75 x 28.25	37.00 x 28.88	14.43	8/8
*3/6 x 5/6	41.50 x 65.50	42.50 x 66.50	42.00 x 66.00	37.00 x 28.50	7.32	35.75 x 29.25	37.00 x 29.88	14.94	8/8
*3/6 x 6/0	41.50 x 71.50	42.50 x 72.50	42.00 x 72.00	37.00 x 31.50	8.09	35.75 x 32.25	37.00 x 32.88	16.45	8/8
*3/6 x 6/2	41.50 x 73.50	42.50 x 74.50	42.00 x 74.00	37.00 x 32.50	8.35	35.75 x 33.25	37.00 x 33.88	16.96	12/12
*3/6 x 6/6	41.50 x 77.50	42.50 x 78.50	42.00 x 78.00	37.00 x 34.50	8.86	35.75 x 35.25	37.00 x 35.88	17.97	12/12
*3/6 x 7/0	41.50 x 83.50	42.50 x 84.50	42.00 x 84.00	37.00 x 37.50	9.64	35.75 x 38.25	37.00 x 38.88	19.48	12/12
3/8 x 3/0	43.50 x 35.50	44.50 x 36.50	44.00 x 36.00	39.00 x 13.50	3.66	37.75 x 14.25	39.00 x 14.88	7.76	8/8
3/8 x 3/2	43.50 x 37.50	44.50 x 38.50	44.00 x 38.00	39.00 x 14.50	3.93	37.75 x 15.25	39.00 x 15.88	8.30	8/8
3/8 x 3/8	43.50 x 43.50	44.50 x 44.50	44.00 x 44.00	39.00 x 17.50	4.74	37.75 x 18.25	39.00 x 18.88	9.90	8/8
3/8 x 3/10	43.50 x 45.50	44.50 x 46.50	44.00 x 46.00	39.00 x 18.50	5.01	37.75 x 19.25	39.00 x 19.88	10.43	8/8
3/8 x 4/0	43.50 x 47.50	44.50 x 48.50	44.00 x 48.00	39.00 x 19.50	5.28	37.75 x 20.25	39.00 x 20.88	10.96	8/8
3/8 x 4/2	43.50 x 49.50	44.50 x 50.50	44.00 x 50.00	39.00 x 20.50	5.55	37.75 x 21.25	39.00 x 21.88	11.50	8/8
3/8 x 4/4	43.50 x 51.50	44.50 x 52.50	44.00 x 52.00	39.00 x 21.50	5.82	37.75 x 22.25	39.00 x 22.88	12.03	8/8
3/8 x 4/6	43.50 x 53.50	44.50 x 54.50	44.00 x 54.00	39.00 x 22.50	6.09	37.75 x 23.25	39.00 x 23.88	12.56	8/8
*3/8 x 5/0	43.50 x 59.50	44.50 x 60.50	44.00 x 60.00	39.00 x 25.50	6.91	37.75 x 26.25	39.00 x 26.88	14.16	8/8
*3/8 x 5/2	43.50 x 61.50	44.50 x 62.50	44.00 x 62.00	39.00 x 26.50	7.18	37.75 x 27.25	39.00 x 27.88	14.69	8/8
*3/8 x 5/4	43.50 x 63.50	44.50 x 64.50	44.00 x 64.00	39.00 x 27.50	7.45	37.75 x 28.25	39.00 x 28.88	15.23	8/8
*3/8 x 5/6	43.50 x 65.50	44.50 x 66.50	44.00 x 66.00	39.00 x 28.50	7.72	37.75 x 29.25	39.00 x 29.88	15.76	8/8
*3/8 x 6/0	43.50 x 71.50	44.50 x 72.50	44.00 x 72.00	39.00 x 31.50	8.53	37.75 x 32.25	39.00 x 32.88	17.36	8/8
*3/8 x 6/2	43.50 x 73.50	44.50 x 74.50	44.00 x 74.00	39.00 x 32.50	8.80	37.75 x 33.25	39.00 x 33.88	17.89	12/12
*3/8 x 6/6	43.50 x 77.50	44.50 x 78.50	44.00 x 78.00	39.00 x 34.50	9.34	37.75 x 35.25	39.00 x 35.88	18.96	12/12
*3/8 x 7/0	43.50 x 83.50	44.50 x 84.50	44.00 x 84.00	39.00 x 37.50	10.16	37.75 x 38.25	39.00 x 38.88	20.56	12/12

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

DOUBLE-HUNG – MODEL 1901

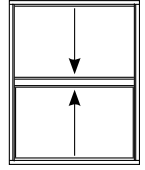


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Top Sash	Visible Glass Bottom Sash	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	W x H	W x H	W x H	W x H		W x H	W x H		
4/0 x 3/0	47.50 x 35.50	48.50 x 36.50	48.00 x 36.00	43.00 x 13.50	4.03	41.75 x 14.25	43.00 x 14.88	8.57	8/8
4/0 x 3/2	47.50 x 37.50	48.50 x 38.50	48.00 x 38.00	43.00 x 14.50	4.33	41.75 x 15.25	43.00 x 15.88	9.16	8/8
4/0 x 3/8	47.50 x 43.50	48.50 x 44.50	48.00 x 44.00	43.00 x 17.50	5.23	41.75 x 18.25	43.00 x 18.88	10.93	8/8
4/0 x 3/10	47.50 x 45.50	48.50 x 46.50	48.00 x 46.00	43.00 x 18.50	5.52	41.75 x 19.25	43.00 x 19.88	11.52	8/8
4/0 x 4/0	47.50 x 47.50	48.50 x 48.50	48.00 x 48.00	43.00 x 19.50	5.82	41.75 x 20.25	43.00 x 20.88	12.10	8/8
4/0 x 4/2	47.50 x 49.50	48.50 x 50.50	48.00 x 50.00	43.00 x 20.50	6.12	41.75 x 21.25	43.00 x 21.88	12.69	8/8
4/0 x 4/4	47.50 x 51.50	48.50 x 52.50	48.00 x 52.00	43.00 x 21.50	6.42	41.75 x 22.25	43.00 x 22.88	13.28	8/8
4/0 x 4/6	47.50 x 53.50	48.50 x 54.50	48.00 x 54.00	43.00 x 22.50	6.72	41.75 x 23.25	43.00 x 23.88	13.87	8/8
*4/0 x 5/0	47.50 x 59.50	48.50 x 60.50	48.00 x 60.00	43.00 x 25.50	7.61	41.75 x 26.25	43.00 x 26.88	15.64	8/8
*4/0 x 5/2	47.50 x 61.50	48.50 x 62.50	48.00 x 62.00	43.00 x 26.50	7.91	41.75 x 27.25	43.00 x 27.88	16.22	8/8
*4/0 x 5/4	47.50 x 63.50	48.50 x 64.50	48.00 x 64.00	43.00 x 27.50	8.21	41.75 x 28.25	43.00 x 28.88	16.81	8/8
*4/0 x 5/6	47.50 x 65.50	48.50 x 66.50	48.00 x 66.00	43.00 x 28.50	8.51	41.75 x 29.25	43.00 x 29.88	17.40	8/8
*4/0 x 6/0	47.50 x 71.50	48.50 x 72.50	48.00 x 72.00	43.00 x 31.50	9.41	41.75 x 32.25	43.00 x 32.88	19.17	8/8
*4/0 x 6/2	47.50 x 73.50	48.50 x 74.50	48.00 x 74.00	43.00 x 32.50	9.70	41.75 x 33.25	43.00 x 33.88	19.76	12/12
*4/0 x 6/6	47.50 x 77.50	48.50 x 78.50	48.00 x 78.00	43.00 x 34.50	10.30	41.75 x 35.25	43.00 x 35.88	20.93	12/12
*4/0 x 7/0	47.50 x 83.50	48.50 x 84.50	48.00 x 84.00	43.00 x 37.50	11.20	41.75 x 38.25	43.00 x 38.88	22.70	12/12
4/2 x 3/0	49.50 x 35.50	50.50 x 36.50	50.00 x 36.00	45.00 x 13.50	4.22	43.75 x 14.25	45.00 x 14.88	8.98	8/8
4/2 x 3/2	49.50 x 37.50	50.50 x 38.50	50.00 x 38.00	45.00 x 14.50	4.53	43.75 x 15.25	45.00 x 15.88	9.59	8/8
4/2 x 3/8	49.50 x 43.50	50.50 x 44.50	50.00 x 44.00	45.00 x 17.50	5.47	43.75 x 18.25	45.00 x 18.88	11.44	8/8
4/2 x 3/10	49.50 x 45.50	50.50 x 46.50	50.00 x 46.00	45.00 x 18.50	5.78	43.75 x 19.25	45.00 x 19.88	12.06	8/8
4/2 x 4/0	49.50 x 47.50	50.50 x 48.50	50.00 x 48.00	45.00 x 19.50	6.09	43.75 x 20.25	45.00 x 20.88	12.68	8/8
4/2 x 4/2	49.50 x 49.50	50.50 x 50.50	50.00 x 50.00	45.00 x 20.50	6.41	43.75 x 21.25	45.00 x 21.88	13.29	8/8
4/2 x 4/4	49.50 x 51.50	50.50 x 52.50	50.00 x 52.00	45.00 x 21.50	6.72	43.75 x 22.25	45.00 x 22.88	13.91	8/8
4/2 x 4/6	49.50 x 53.50	50.50 x 54.50	50.00 x 54.00	45.00 x 22.50	7.03	43.75 x 23.25	45.00 x 23.88	14.52	8/8
*4/2 x 5/0	49.50 x 59.50	50.50 x 60.50	50.00 x 60.00	45.00 x 25.50	7.97	43.75 x 26.25	45.00 x 26.88	16.37	8/8
*4/2 x 5/2	49.50 x 61.50	50.50 x 62.50	50.00 x 62.00	45.00 x 26.50	8.28	43.75 x 27.25	45.00 x 27.88	16.99	8/8
*4/2 x 5/4	49.50 x 63.50	50.50 x 64.50	50.00 x 64.00	45.00 x 27.50	8.59	43.75 x 28.25	45.00 x 28.88	17.61	8/8
*4/2 x 5/6	49.50 x 65.50	50.50 x 66.50	50.00 x 66.00	45.00 x 28.50	8.91	43.75 x 29.25	45.00 x 29.88	18.22	8/8
*4/2 x 6/0	49.50 x 71.50	50.50 x 72.50	50.00 x 72.00	45.00 x 31.50	9.84	43.75 x 32.25	45.00 x 32.88	20.07	8/8
*4/2 x 6/2	49.50 x 73.50	50.50 x 74.50	50.00 x 74.00	45.00 x 32.50	10.16	43.75 x 33.25	45.00 x 33.88	20.69	12/12

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

DOUBLE-HUNG – MODEL 1901

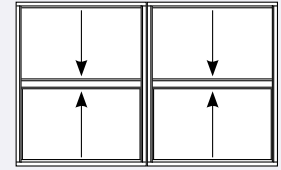


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Top Sash	Visible Glass Bottom Sash	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	W x H	W x H	W x H	W x H		W x H	W x H		
*4/4 x 3/0	51.50 x 35.50	52.50 x 36.50	52.00 x 36.00	47.00 x 13.50	4.41	45.75 x 14.25	47.00 x 14.88	9.38	8/8
*4/4 x 3/2	51.50 x 37.50	52.50 x 38.50	52.00 x 38.00	47.00 x 14.50	4.73	45.75 x 15.25	47.00 x 15.88	10.03	8/8
4/4 x 3/8	51.50 x 43.50	52.50 x 44.50	52.00 x 44.00	47.00 x 17.50	5.71	45.75 x 18.25	47.00 x 18.88	11.96	8/8
4/4 x 3/10	51.50 x 45.50	52.50 x 46.50	52.00 x 46.00	47.00 x 18.50	6.04	45.75 x 19.25	47.00 x 19.88	12.60	8/8
4/4 x 4/0	51.50 x 47.50	52.50 x 48.50	52.00 x 48.00	47.00 x 19.50	6.36	45.75 x 20.25	47.00 x 20.88	13.25	8/8
4/4 x 4/2	51.50 x 49.50	52.50 x 50.50	52.00 x 50.00	47.00 x 20.50	6.69	45.75 x 21.25	47.00 x 21.88	13.89	8/8
4/4 x 4/4	51.50 x 51.50	52.50 x 52.50	52.00 x 52.00	47.00 x 21.50	7.02	45.75 x 22.25	47.00 x 22.88	14.54	8/8
4/4 x 4/6	51.50 x 53.50	52.50 x 54.50	52.00 x 54.00	47.00 x 22.50	7.34	45.75 x 23.25	47.00 x 23.88	15.18	8/8
*4/4 x 5/0	51.50 x 59.50	52.50 x 60.50	52.00 x 60.00	47.00 x 25.50	8.32	45.75 x 26.25	47.00 x 26.88	17.11	8/8
*4/4 x 5/2	51.50 x 61.50	52.50 x 62.50	52.00 x 62.00	47.00 x 26.50	8.65	45.75 x 27.25	47.00 x 27.88	17.76	8/8
*4/4 x 5/4	51.50 x 63.50	52.50 x 64.50	52.00 x 64.00	47.00 x 27.50	8.98	45.75 x 28.25	47.00 x 28.88	18.40	8/8
*4/4 x 5/6	51.50 x 65.50	52.50 x 66.50	52.00 x 66.00	47.00 x 28.50	9.30	45.75 x 29.25	47.00 x 29.88	19.04	8/8
*4/4 x 6/0	51.50 x 71.50	52.50 x 72.50	52.00 x 72.00	47.00 x 31.50	10.28	45.75 x 32.25	47.00 x 32.88	20.98	8/8
*4/4 x 6/2	51.50 x 73.50	52.50 x 74.50	52.00 x 74.00	47.00 x 32.50	10.61	45.75 x 33.25	47.00 x 33.88	21.62	12/12

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

TWIN DOUBLE-HUNG – MODEL 1921



Size Limitations			
	Width	Height	U.I.
Min	36"	25"	
Max	96"	84"	180"

Actual Window Size Formulas – Per Opening	
Actual Window Width	Actual Window Height
Rough Opening – 0.5"	Rough Opening – 0.5"

Exterior Dimension W/J-Channel Formulas – Per Opening	
Exterior Dimension Width	Exterior Dimension Height
Rough Opening + 1"	Rough Opening + 1"

Clear Opening Formulas – Per Opening	
Clear Opening Width (COW)	Clear Opening Height (COH)
FW/2 – 5"	FH/2 – 4.25"

Clear Opening / Egress Square Foot Formula
Clear Opening Width x Clear Opening Height / 144

Visible Glass Formulas – Top Sash	
Visible Glass Width (VGW)	Visible Glass Height (VGH)
FW/2 – 6.25"	FH/2 – 4.25"

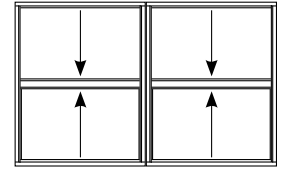
Visible Glass Formulas – Bottom Sash	
Visible Glass Width (VGW)	Visible Glass Height (VGH)
FW/2 – 6.25"	FH/2 – 2.875"

Total Visible Glass Square Foot Formula
(Top Sash VGW x VGH / 144) + (Bottom Sash VGW x VGH / 144)

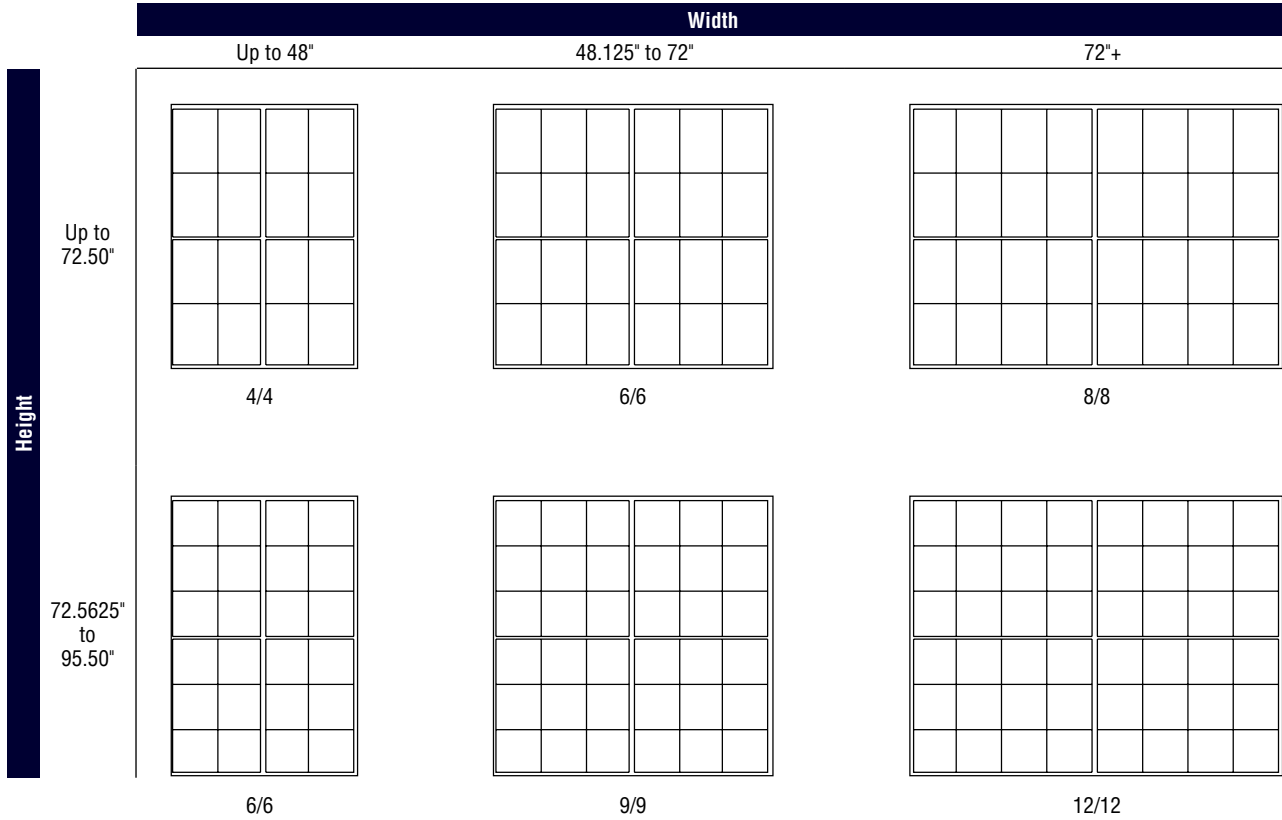
Egress/Clear Opening Size Reference Chart												
		Actual Unit Width										
		39.50	47.50	55.50	59.50	63.50	67.50	71.50	75.50	79.50	83.50	95.50
Actual Unit Height	35.50											
	37.50											
	47.50											
	53.50											
	59.50								●	●	●	●
	61.50								●	●	●	●
	65.50							●	●	●	●	●
	71.50					●	●	●	●	●	●	●
	73.50					●	●	●	●	●	●	●
	77.50				●	●	●	●	●	●	●	●

Egress/clear opening criteria is a minimum 20" net opening width, minimum 24" net opening height and minimum 5.7 sq. ft. opening area.

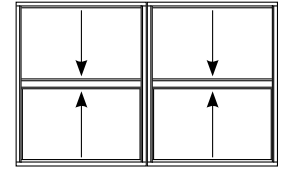
TWIN DOUBLE-HUNG – MODEL 1921



Default Colonial Grid Pattern – Full



TWIN DOUBLE-HUNG – MODEL 1921

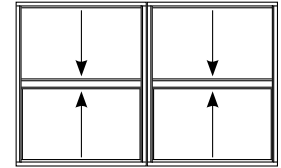


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Top Sash	Visible Glass Bottom Sash	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	W x H	W x H	W x H	W x H		W x H	W x H		
1/8 x 3/0-2	39.50 x 35.50	40.50 x 36.50	40.00 x 36.00	14.75 x 13.50	1.38	13.50 x 13.50	13.50 x 14.88	2.66	4/4
1/8 x 3/2-2	39.50 x 37.50	40.50 x 38.50	40.00 x 38.00	14.75 x 14.50	1.49	13.50 x 14.50	13.50 x 15.88	2.85	4/4
1/8 x 4/0-2	39.50 x 47.50	40.50 x 48.50	40.00 x 48.00	14.75 x 19.50	2.00	13.50 x 19.50	13.50 x 20.88	3.79	4/4
1/8 x 4/6-2	39.50 x 53.50	40.50 x 54.50	40.00 x 54.00	14.75 x 22.50	2.30	13.50 x 22.50	13.50 x 23.88	4.35	4/4
1/8 x 5/0-2	39.50 x 59.50	40.50 x 60.50	40.00 x 60.00	14.75 x 25.50	2.61	13.50 x 25.50	13.50 x 26.88	4.91	4/4
1/8 x 5/2-2	39.50 x 61.50	40.50 x 62.50	40.00 x 62.00	14.75 x 26.50	2.71	13.50 x 26.50	13.50 x 27.88	5.10	4/4
1/8 x 5/6-2	39.50 x 65.50	40.50 x 66.50	40.00 x 66.00	14.75 x 28.50	2.92	13.50 x 28.50	13.50 x 29.88	5.47	4/4
1/8 x 6/0-2	39.50 x 71.50	40.50 x 72.50	40.00 x 72.00	14.75 x 31.50	3.23	13.50 x 31.50	13.50 x 32.88	6.04	4/4
1/8 x 6/2-2	39.50 x 73.50	40.50 x 74.50	40.00 x 74.00	14.75 x 32.50	3.33	13.50 x 32.50	13.50 x 33.88	6.22	6/6
1/8 x 6/6-2	39.50 x 77.50	40.50 x 78.50	40.00 x 78.00	14.75 x 34.50	3.53	13.50 x 34.50	13.50 x 35.88	6.60	6/6
2/0 x 3/0-2	47.50 x 35.50	48.50 x 36.50	48.00 x 36.00	18.75 x 13.50	1.76	17.50 x 13.50	17.50 x 14.88	3.45	4/4
2/0 x 3/2-2	47.50 x 37.50	48.50 x 38.50	48.00 x 38.00	18.75 x 14.50	1.89	17.50 x 14.50	17.50 x 15.88	3.69	4/4
2/0 x 4/0-2	47.50 x 47.50	48.50 x 48.50	48.00 x 48.00	18.75 x 19.50	2.54	17.50 x 19.50	17.50 x 20.88	4.91	4/4
2/0 x 4/6-2	47.50 x 53.50	48.50 x 54.50	48.00 x 54.00	18.75 x 22.50	2.93	17.50 x 22.50	17.50 x 23.88	5.64	4/4
2/0 x 5/0-2	47.50 x 59.50	48.50 x 60.50	48.00 x 60.00	18.75 x 25.50	3.32	17.50 x 25.50	17.50 x 26.88	6.37	4/4
2/0 x 5/2-2	47.50 x 61.50	48.50 x 62.50	48.00 x 62.00	18.75 x 26.50	3.45	17.50 x 26.50	17.50 x 27.88	6.61	4/4
2/0 x 5/6-2	47.50 x 65.50	48.50 x 66.50	48.00 x 66.00	18.75 x 28.50	3.71	17.50 x 28.50	17.50 x 29.88	7.09	4/4
2/0 x 6/0-2	47.50 x 71.50	48.50 x 72.50	48.00 x 72.00	18.75 x 31.50	4.10	17.50 x 31.50	17.50 x 32.88	7.82	4/4
2/0 x 6/2-2	47.50 x 73.50	48.50 x 74.50	48.00 x 74.00	18.75 x 32.50	4.23	17.50 x 32.50	17.50 x 33.88	8.07	6/6
2/0 x 6/6-2	47.50 x 77.50	48.50 x 78.50	48.00 x 78.00	18.75 x 34.50	4.49	17.50 x 34.50	17.50 x 35.88	8.55	6/6
2/4 x 3/0-2	55.50 x 35.50	56.50 x 36.50	56.00 x 36.00	22.75 x 13.50	2.13	21.50 x 13.50	21.50 x 14.88	4.24	6/6
2/4 x 3/2-2	55.50 x 37.50	56.50 x 38.50	56.00 x 38.00	22.75 x 14.50	2.29	21.50 x 14.50	21.50 x 15.88	4.54	6/6
2/4 x 4/0-2	55.50 x 47.50	56.50 x 48.50	56.00 x 48.00	22.75 x 19.50	3.08	21.50 x 19.50	21.50 x 20.88	6.03	6/6
2/4 x 4/6-2	55.50 x 53.50	56.50 x 54.50	56.00 x 54.00	22.75 x 22.50	3.55	21.50 x 22.50	21.50 x 23.88	6.92	6/6
2/4 x 5/0-2	55.50 x 59.50	56.50 x 60.50	56.00 x 60.00	22.75 x 25.50	4.03	21.50 x 25.50	21.50 x 26.88	7.82	6/6
2/4 x 5/2-2	55.50 x 61.50	56.50 x 62.50	56.00 x 62.00	22.75 x 26.50	4.19	21.50 x 26.50	21.50 x 27.88	8.12	6/6
2/4 x 5/6-2	55.50 x 65.50	56.50 x 66.50	56.00 x 66.00	22.75 x 28.50	4.50	21.50 x 28.50	21.50 x 29.88	8.72	6/6
2/4 x 6/0-2	55.50 x 71.50	56.50 x 72.50	56.00 x 72.00	22.75 x 31.50	4.98	21.50 x 31.50	21.50 x 32.88	9.61	6/6
2/4 x 6/2-2	55.50 x 73.50	56.50 x 74.50	56.00 x 74.00	22.75 x 32.50	5.13	21.50 x 32.50	21.50 x 33.88	9.91	9/9
2/4 x 6/6-2	55.50 x 77.50	56.50 x 78.50	56.00 x 78.00	22.75 x 34.50	5.45	21.50 x 34.50	21.50 x 35.88	10.51	9/9
2/6 x 3/0-2	59.50 x 35.50	60.50 x 36.50	60.00 x 36.00	24.75 x 13.50	2.32	23.50 x 13.50	23.50 x 14.88	4.63	6/6
2/6 x 3/2-2	59.50 x 37.50	60.50 x 38.50	60.00 x 38.00	24.75 x 14.50	2.49	23.50 x 14.50	23.50 x 15.88	4.96	6/6
2/6 x 4/0-2	59.50 x 47.50	60.50 x 48.50	60.00 x 48.00	24.75 x 19.50	3.35	23.50 x 19.50	23.50 x 20.88	6.59	6/6
2/6 x 4/6-2	59.50 x 53.50	60.50 x 54.50	60.00 x 54.00	24.75 x 22.50	3.87	23.50 x 22.50	23.50 x 23.88	7.57	6/6
2/6 x 5/0-2	59.50 x 59.50	60.50 x 60.50	60.00 x 60.00	24.75 x 25.50	4.38	23.50 x 25.50	23.50 x 26.88	8.55	6/6
2/6 x 5/2-2	59.50 x 61.50	60.50 x 62.50	60.00 x 62.00	24.75 x 26.50	4.55	23.50 x 26.50	23.50 x 27.88	8.87	6/6
2/6 x 5/6-2	59.50 x 65.50	60.50 x 66.50	60.00 x 66.00	24.75 x 28.50	4.90	23.50 x 28.50	23.50 x 29.88	9.53	6/6
2/6 x 6/0-2	59.50 x 71.50	60.50 x 72.50	60.00 x 72.00	24.75 x 31.50	5.41	23.50 x 31.50	23.50 x 32.88	10.51	6/6
2/6 x 6/2-2	59.50 x 73.50	60.50 x 74.50	60.00 x 74.00	24.75 x 32.50	5.59	23.50 x 32.50	23.50 x 33.88	10.83	9/9
*2/6 x 6/6-2	59.50 x 77.50	60.50 x 78.50	60.00 x 78.00	24.75 x 34.50	5.93	23.50 x 34.50	23.50 x 35.88	11.48	9/9

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

TWIN DOUBLE-HUNG – MODEL 1921

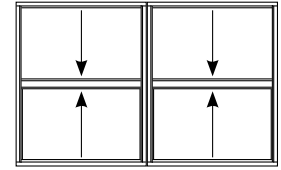


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Top Sash	Visible Glass Bottom Sash	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	W x H	W x H	W x H	W x H		W x H	W x H		
2/8 x 3/0-2	63.50 x 35.50	64.50 x 36.50	64.00 x 36.00	26.75 x 13.50	2.51	25.50 x 13.50	25.50 x 14.88	5.02	6/6
2/8 x 3/2-2	63.50 x 37.50	64.50 x 38.50	64.00 x 38.00	26.75 x 14.50	2.69	25.50 x 14.50	25.50 x 15.88	5.38	6/6
2/8 x 4/0-2	63.50 x 47.50	64.50 x 48.50	64.00 x 48.00	26.75 x 19.50	3.62	25.50 x 19.50	25.50 x 20.88	7.15	6/6
2/8 x 4/6-2	63.50 x 53.50	64.50 x 54.50	64.00 x 54.00	26.75 x 22.50	4.18	25.50 x 22.50	25.50 x 23.88	8.21	6/6
2/8 x 5/0-2	63.50 x 59.50	64.50 x 60.50	64.00 x 60.00	26.75 x 25.50	4.74	25.50 x 25.50	25.50 x 26.88	9.27	6/6
2/8 x 5/2-2	63.50 x 61.50	64.50 x 62.50	64.00 x 62.00	26.75 x 26.50	4.92	25.50 x 26.50	25.50 x 27.88	9.63	6/6
2/8 x 5/6-2	63.50 x 65.50	64.50 x 66.50	64.00 x 66.00	26.75 x 28.50	5.29	25.50 x 28.50	25.50 x 29.88	10.34	6/6
*2/8 x 6/0-2	63.50 x 71.50	64.50 x 72.50	64.00 x 72.00	26.75 x 31.50	5.85	25.50 x 31.50	25.50 x 32.88	11.40	6/6
*2/8 x 6/2-2	63.50 x 73.50	64.50 x 74.50	64.00 x 74.00	26.75 x 32.50	6.04	25.50 x 32.50	25.50 x 33.88	11.75	9/9
*2/8 x 6/6-2	63.50 x 77.50	64.50 x 78.50	64.00 x 78.00	26.75 x 34.50	6.41	25.50 x 34.50	25.50 x 35.88	12.46	9/9
2/10 x 3/0-2	67.50 x 35.50	68.50 x 36.50	68.00 x 36.00	28.75 x 13.50	2.70	27.50 x 13.50	27.50 x 14.88	5.42	6/6
2/10 x 3/2-2	67.50 x 37.50	68.50 x 38.50	68.00 x 38.00	28.75 x 14.50	2.89	27.50 x 14.50	27.50 x 15.88	5.80	6/6
2/10 x 4/0-2	67.50 x 47.50	68.50 x 48.50	68.00 x 48.00	28.75 x 19.50	3.89	27.50 x 19.50	27.50 x 20.88	7.71	6/6
2/10 x 4/6-2	67.50 x 53.50	68.50 x 54.50	68.00 x 54.00	28.75 x 22.50	4.49	27.50 x 22.50	27.50 x 23.88	8.86	6/6
2/10 x 5/0-2	67.50 x 59.50	68.50 x 60.50	68.00 x 60.00	28.75 x 25.50	5.09	27.50 x 25.50	27.50 x 26.88	10.00	6/6
2/10 x 5/2-2	67.50 x 61.50	68.50 x 62.50	68.00 x 62.00	28.75 x 26.50	5.29	27.50 x 26.50	27.50 x 27.88	10.38	6/6
2/10 x 5/6-2	67.50 x 65.50	68.50 x 66.50	68.00 x 66.00	28.75 x 28.50	5.69	27.50 x 28.50	27.50 x 29.88	11.15	6/6
*2/10 x 6/0-2	67.50 x 71.50	68.50 x 72.50	68.00 x 72.00	28.75 x 31.50	6.29	27.50 x 31.50	27.50 x 32.88	12.29	6/6
*2/10 x 6/2-2	67.50 x 73.50	68.50 x 74.50	68.00 x 74.00	28.75 x 32.50	6.49	27.50 x 32.50	27.50 x 33.88	12.68	9/9
*2/10 x 6/6-2	67.50 x 77.50	68.50 x 78.50	68.00 x 78.00	28.75 x 34.50	6.89	27.50 x 34.50	27.50 x 35.88	13.44	9/9
3/0 x 3/0-2	71.50 x 35.50	72.50 x 36.50	72.00 x 36.00	30.75 x 13.50	2.88	29.50 x 13.50	29.50 x 14.88	5.81	6/6
3/0 x 3/2-2	71.50 x 37.50	72.50 x 38.50	72.00 x 38.00	30.75 x 14.50	3.10	29.50 x 14.50	29.50 x 15.88	6.22	6/6
3/0 x 4/0-2	71.50 x 47.50	72.50 x 48.50	72.00 x 48.00	30.75 x 19.50	4.16	29.50 x 19.50	29.50 x 20.88	8.27	6/6
3/0 x 4/6-2	71.50 x 53.50	72.50 x 54.50	72.00 x 54.00	30.75 x 22.50	4.80	29.50 x 22.50	29.50 x 23.88	9.50	6/6
3/0 x 5/0-2	71.50 x 59.50	72.50 x 60.50	72.00 x 60.00	30.75 x 25.50	5.45	29.50 x 25.50	29.50 x 26.88	10.73	6/6
3/0 x 5/2-2	71.50 x 61.50	72.50 x 62.50	72.00 x 62.00	30.75 x 26.50	5.66	29.50 x 26.50	29.50 x 27.88	11.14	6/6
*3/0 x 5/6-2	71.50 x 65.50	72.50 x 66.50	72.00 x 66.00	30.75 x 28.50	6.09	29.50 x 28.50	29.50 x 29.88	11.96	6/6
*3/0 x 6/0-2	71.50 x 71.50	72.50 x 72.50	72.00 x 72.00	30.75 x 31.50	6.73	29.50 x 31.50	29.50 x 32.88	13.19	6/6
*3/0 x 6/2-2	71.50 x 73.50	72.50 x 74.50	72.00 x 74.00	30.75 x 32.50	6.94	29.50 x 32.50	29.50 x 33.88	13.60	9/9
*3/0 x 6/6-2	71.50 x 77.50	72.50 x 78.50	72.00 x 78.00	30.75 x 34.50	7.37	29.50 x 34.50	29.50 x 35.88	14.42	9/9
3/2 x 3/0-2	75.50 x 35.50	76.50 x 36.50	76.00 x 36.00	32.75 x 13.50	3.07	31.50 x 13.50	31.50 x 14.88	6.21	8/8
3/2 x 3/2-2	75.50 x 37.50	76.50 x 38.50	76.00 x 38.00	32.75 x 14.50	3.30	31.50 x 14.50	31.50 x 15.88	6.64	8/8
3/2 x 4/0-2	75.50 x 47.50	76.50 x 48.50	76.00 x 48.00	32.75 x 19.50	4.43	31.50 x 19.50	31.50 x 20.88	8.83	8/8
3/2 x 4/6-2	75.50 x 53.50	76.50 x 54.50	76.00 x 54.00	32.75 x 22.50	5.12	31.50 x 22.50	31.50 x 23.88	10.14	8/8
*3/2 x 5/0-2	75.50 x 59.50	76.50 x 60.50	76.00 x 60.00	32.75 x 25.50	5.80	31.50 x 25.50	31.50 x 26.88	11.46	8/8
*3/2 x 5/2-2	75.50 x 61.50	76.50 x 62.50	76.00 x 62.00	32.75 x 26.50	6.03	31.50 x 26.50	31.50 x 27.88	11.89	8/8
*3/2 x 5/6-2	75.50 x 65.50	76.50 x 66.50	76.00 x 66.00	32.75 x 28.50	6.48	31.50 x 28.50	31.50 x 29.88	12.77	8/8
*3/2 x 6/0-2	75.50 x 71.50	76.50 x 72.50	76.00 x 72.00	32.75 x 31.50	7.16	31.50 x 31.50	31.50 x 32.88	14.08	8/8
*3/2 x 6/2-2	75.50 x 73.50	76.50 x 74.50	76.00 x 74.00	32.75 x 32.50	7.39	31.50 x 32.50	31.50 x 33.88	14.52	12/12
*3/2 x 6/6-2	75.50 x 77.50	76.50 x 78.50	76.00 x 78.00	32.75 x 34.50	7.85	31.50 x 34.50	31.50 x 35.88	15.39	12/12

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

TWIN DOUBLE-HUNG – MODEL 1921

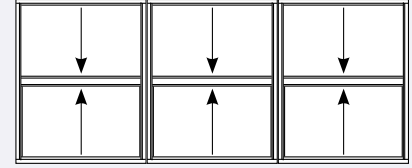


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Top Sash	Visible Glass Bottom Sash	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	W x H	W x H	W x H	W x H		W x H	W x H		
3/4 x 3/0-2	79.50 x 35.50	80.50 x 36.50	80.00 x 36.00	34.75 x 13.50	3.26	33.50 x 13.50	33.50 x 14.88	6.60	8/8
3/4 x 3/2-2	79.50 x 37.50	80.50 x 38.50	80.00 x 38.00	34.75 x 14.50	3.50	33.50 x 14.50	33.50 x 15.88	7.07	8/8
3/4 x 4/0-2	79.50 x 47.50	80.50 x 48.50	80.00 x 48.00	34.75 x 19.50	4.71	33.50 x 19.50	33.50 x 20.88	9.39	8/8
3/4 x 4/6-2	79.50 x 53.50	80.50 x 54.50	80.00 x 54.00	34.75 x 22.50	5.43	33.50 x 22.50	33.50 x 23.88	10.79	8/8
*3/4 x 5/0-2	79.50 x 59.50	80.50 x 60.50	80.00 x 60.00	34.75 x 25.50	6.15	33.50 x 25.50	33.50 x 26.88	12.18	8/8
*3/4 x 5/2-2	79.50 x 61.50	80.50 x 62.50	80.00 x 62.00	34.75 x 26.50	6.39	33.50 x 26.50	33.50 x 27.88	12.65	8/8
*3/4 x 5/6-2	79.50 x 65.50	80.50 x 66.50	80.00 x 66.00	34.75 x 28.50	6.88	33.50 x 28.50	33.50 x 29.88	13.58	8/8
*3/4 x 6/0-2	79.50 x 71.50	80.50 x 72.50	80.00 x 72.00	34.75 x 31.50	7.60	33.50 x 31.50	33.50 x 32.88	14.98	8/8
*3/4 x 6/2-2	79.50 x 73.50	80.50 x 74.50	80.00 x 74.00	34.75 x 32.50	7.84	33.50 x 32.50	33.50 x 33.88	15.44	12/12
*3/4 x 6/6-2	79.50 x 77.50	80.50 x 78.50	80.00 x 78.00	34.75 x 34.50	8.33	33.50 x 34.50	33.50 x 35.88	16.37	12/12
3/6 x 3/0-2	83.50 x 35.50	84.50 x 36.50	84.00 x 36.00	36.75 x 13.50	3.45	35.50 x 13.50	35.50 x 14.88	7.00	8/8
3/6 x 3/2-2	83.50 x 37.50	84.50 x 38.50	84.00 x 38.00	36.75 x 14.50	3.70	35.50 x 14.50	35.50 x 15.88	7.49	8/8
3/6 x 4/0-2	83.50 x 47.50	84.50 x 48.50	84.00 x 48.00	36.75 x 19.50	4.98	35.50 x 19.50	35.50 x 20.88	9.95	8/8
3/6 x 4/6-2	83.50 x 53.50	84.50 x 54.50	84.00 x 54.00	36.75 x 22.50	5.74	35.50 x 22.50	35.50 x 23.88	11.43	8/8
*3/6 x 5/0-2	83.50 x 59.50	84.50 x 60.50	84.00 x 60.00	36.75 x 25.50	6.51	35.50 x 25.50	35.50 x 26.88	12.91	8/8
*3/6 x 5/2-2	83.50 x 61.50	84.50 x 62.50	84.00 x 62.00	36.75 x 26.50	6.76	35.50 x 26.50	35.50 x 27.88	13.40	8/8
*3/6 x 5/6-2	83.50 x 65.50	84.50 x 66.50	84.00 x 66.00	36.75 x 28.50	7.27	35.50 x 28.50	35.50 x 29.88	14.39	8/8
*3/6 x 6/0-2	83.50 x 71.50	84.50 x 72.50	84.00 x 72.00	36.75 x 31.50	8.04	35.50 x 31.50	35.50 x 32.88	15.87	8/8
*3/6 x 6/2-2	83.50 x 73.50	84.50 x 74.50	84.00 x 74.00	36.75 x 32.50	8.29	35.50 x 32.50	35.50 x 33.88	16.36	12/12
*3/6 x 6/6-2	83.50 x 77.50	84.50 x 78.50	84.00 x 78.00	36.75 x 34.50	8.80	35.50 x 34.50	35.50 x 35.88	17.35	12/12
4/0 x 3/0-2	95.50 x 35.50	96.50 x 36.50	96.00 x 36.00	42.75 x 13.50	4.01	41.50 x 13.50	41.50 x 14.88	8.18	8/8
4/0 x 3/2-2	95.50 x 37.50	96.50 x 38.50	96.00 x 38.00	42.75 x 14.50	4.30	41.50 x 14.50	41.50 x 15.88	8.75	8/8
4/0 x 4/0-2	95.50 x 47.50	96.50 x 48.50	96.00 x 48.00	42.75 x 19.50	5.79	41.50 x 19.50	41.50 x 20.88	11.64	8/8
4/0 x 4/6-2	95.50 x 53.50	96.50 x 54.50	96.00 x 54.00	42.75 x 22.50	6.68	41.50 x 22.50	41.50 x 23.88	13.37	8/8
*4/0 x 5/0-2	95.50 x 59.50	96.50 x 60.50	96.00 x 60.00	42.75 x 25.50	7.57	41.50 x 25.50	41.50 x 26.88	15.09	8/8
*4/0 x 5/2-2	95.50 x 61.50	96.50 x 62.50	96.00 x 62.00	42.75 x 26.50	7.87	41.50 x 26.50	41.50 x 27.88	15.67	8/8
*4/0 x 5/6-2	95.50 x 65.50	96.50 x 66.50	96.00 x 66.00	42.75 x 28.50	8.46	41.50 x 28.50	41.50 x 29.88	16.82	8/8
*4/0 x 6/0-2	95.50 x 71.50	96.50 x 72.50	96.00 x 72.00	42.75 x 31.50	9.35	41.50 x 31.50	41.50 x 32.88	18.55	8/8
*4/0 x 6/2-2	95.50 x 73.50	96.50 x 74.50	96.00 x 74.00	42.75 x 32.50	9.65	41.50 x 32.50	41.50 x 33.88	19.13	12/12
*4/0 x 6/6-2	95.50 x 77.50	96.50 x 78.50	96.00 x 78.00	42.75 x 34.50	10.24	41.50 x 34.50	41.50 x 35.88	20.28	12/12

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

TRIPLE DOUBLE-HUNG – MODEL 1931



Size Limitations			
	Width	Height	U.I.
Min	54"	25"	
Max	108"	84"	192"

Actual Window Size Formulas – Per Opening	
Actual Window Width	Actual Window Height
Rough Opening – 0.5"	Rough Opening – 0.5"

Exterior Dimension W/J-Channel Formulas – Per Opening	
Exterior Dimension Width	Exterior Dimension Height
Rough Opening + 1"	Rough Opening + 1"

Clear Opening Formulas – Per Opening	
Clear Opening Width (COW)	Clear Opening Height (COH)
FW/3 – 5"	FH/2 – 4.25"

Clear Opening / Egress Square Foot Formula
Clear Opening Width x Clear Opening Height / 144

Visible Glass Formulas – Top Sash	
Visible Glass Width (VGW)	Visible Glass Height (VGH)
FW/3 – 6.25"	FH/2 – 3.5"

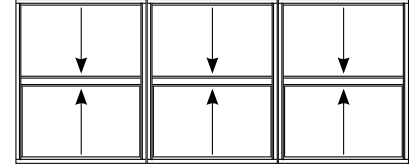
Visible Glass Formulas – Bottom Sash	
Visible Glass Width (VGW)	Visible Glass Height (VGH)
FW/3 – 5"	FH/2 – 2.875"

Total Visible Glass Square Foot Formula
(Top Sash VGW x VGH / 144) + (Bottom Sash VGW x VGH / 144)

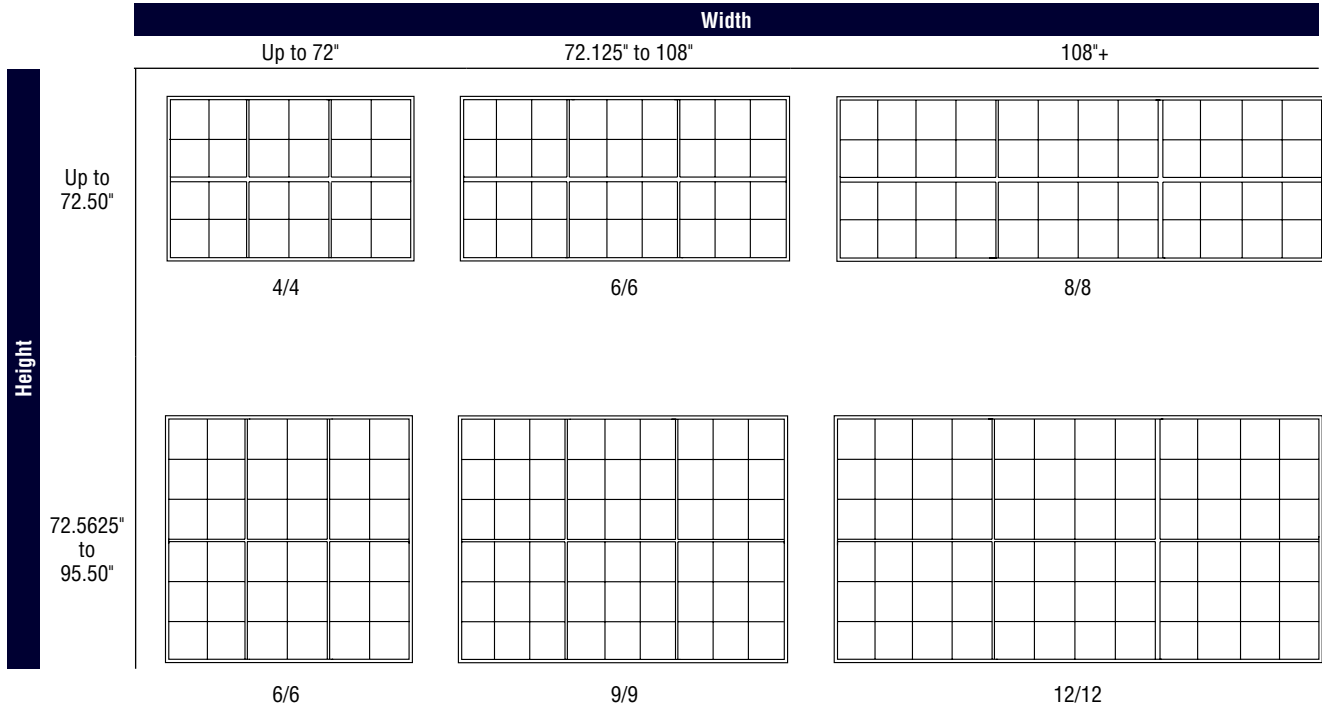
Egress/Clear Opening Size Reference Chart					
Actual Unit Width					
	89.50	95.50	101.50	107.50	
Actual Unit Height	35.50				
	37.50				
	47.50				
	53.50				
	59.50				
	61.50				
	65.50			●	●
	71.50		●	●	●
	73.50		●	●	●
	77.50	●	●	●	●

Egress/clear opening criteria is a minimum 20" net opening width, minimum 24" net opening height and minimum 5.7 sq. ft. opening area.

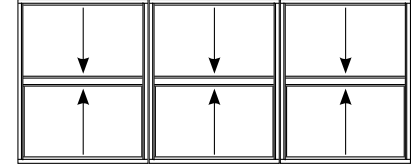
TRIPLE DOUBLE-HUNG – MODEL 1931



Default Colonial Grid Pattern – Full



TRIPLE DOUBLE-HUNG – MODEL 1931

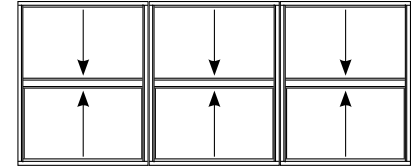


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Top Sash	Visible Glass Bottom Sash	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	W x H	W x H	W x H	W x H		W x H	W x H		
1/8 x 3/0-3	59.50 x 35.50	60.50 x 36.50	60.00 x 36.00	14.83 x 13.50	1.39	13.58 x 14.25	14.83 x 14.88	2.88	4/4
1/8 x 3/2-3	59.50 x 37.50	60.50 x 38.50	60.00 x 38.00	14.83 x 14.50	1.49	13.58 x 15.25	14.83 x 15.88	3.07	4/4
1/8 x 4/0-3	59.50 x 47.50	60.50 x 48.50	60.00 x 48.00	14.83 x 19.50	2.01	13.58 x 20.25	14.83 x 20.88	4.06	4/4
1/8 x 4/6-3	59.50 x 53.50	60.50 x 54.50	60.00 x 54.00	14.83 x 22.50	2.32	13.58 x 23.25	14.83 x 23.88	4.65	4/4
1/8 x 5/0-3	59.50 x 59.50	60.50 x 60.50	60.00 x 60.00	14.83 x 25.50	2.63	13.58 x 26.25	14.83 x 26.88	5.24	4/4
1/8 x 5/2-3	59.50 x 61.50	60.50 x 62.50	60.00 x 62.00	14.83 x 26.50	2.73	13.58 x 27.25	14.83 x 27.88	5.44	4/4
1/8 x 5/6-3	59.50 x 65.50	60.50 x 66.50	60.00 x 66.00	14.83 x 28.50	2.94	13.58 x 29.25	14.83 x 29.88	5.84	4/4
1/8 x 6/0-3	59.50 x 71.50	60.50 x 72.50	60.00 x 72.00	14.83 x 31.50	3.24	13.58 x 32.25	14.83 x 32.88	6.43	4/4
1/8 x 6/2-3	59.50 x 73.50	60.50 x 74.50	60.00 x 74.00	14.83 x 32.50	3.35	13.58 x 33.25	14.83 x 33.88	6.63	6/6
1/8 x 6/6-3	59.50 x 77.50	60.50 x 78.50	60.00 x 78.00	14.83 x 34.50	3.55	13.58 x 35.25	14.83 x 35.88	7.02	6/6
2/0 x 3/0-3	71.50 x 35.50	72.50 x 36.50	72.00 x 36.00	18.83 x 13.50	1.77	17.58 x 14.25	18.83 x 14.88	3.69	4/4
2/0 x 3/2-3	71.50 x 37.50	72.50 x 38.50	72.00 x 38.00	18.83 x 14.50	1.90	17.58 x 15.25	18.83 x 15.88	3.94	4/4
2/0 x 4/0-3	71.50 x 47.50	72.50 x 48.50	72.00 x 48.00	18.83 x 19.50	2.55	17.58 x 20.25	18.83 x 20.88	5.20	4/4
2/0 x 4/6-3	71.50 x 53.50	72.50 x 54.50	72.00 x 54.00	18.83 x 22.50	2.94	17.58 x 23.25	18.83 x 23.88	5.96	4/4
2/0 x 5/0-3	71.50 x 59.50	72.50 x 60.50	72.00 x 60.00	18.83 x 25.50	3.34	17.58 x 26.25	18.83 x 26.88	6.72	4/4
2/0 x 5/2-3	71.50 x 61.50	72.50 x 62.50	72.00 x 62.00	18.83 x 26.50	3.47	17.58 x 27.25	18.83 x 27.88	6.97	4/4
2/0 x 5/6-3	71.50 x 65.50	72.50 x 66.50	72.00 x 66.00	18.83 x 28.50	3.73	17.58 x 29.25	18.83 x 29.88	7.48	4/4
2/0 x 6/0-3	71.50 x 71.50	72.50 x 72.50	72.00 x 72.00	18.83 x 31.50	4.12	17.58 x 32.25	18.83 x 32.88	8.24	4/4
2/0 x 6/2-3	71.50 x 73.50	72.50 x 74.50	72.00 x 74.00	18.83 x 32.50	4.25	17.58 x 33.25	18.83 x 33.88	8.49	6/6
2/0 x 6/6-3	71.50 x 77.50	72.50 x 78.50	72.00 x 78.00	18.83 x 34.50	4.51	17.58 x 35.25	18.83 x 35.88	9.00	6/6
2/4 x 3/0-3	83.50 x 35.50	84.50 x 36.50	84.00 x 36.00	22.83 x 13.50	2.14	21.58 x 14.25	22.83 x 14.88	4.49	6/6
2/4 x 3/2-3	83.50 x 37.50	84.50 x 38.50	84.00 x 38.00	22.83 x 14.50	2.30	21.58 x 15.25	22.83 x 15.88	4.80	6/6
2/4 x 4/0-3	83.50 x 47.50	84.50 x 48.50	84.00 x 48.00	22.83 x 19.50	3.09	21.58 x 20.25	22.83 x 20.88	6.35	6/6
2/4 x 4/6-3	83.50 x 53.50	84.50 x 54.50	84.00 x 54.00	22.83 x 22.50	3.57	21.58 x 23.25	22.83 x 23.88	7.27	6/6
2/4 x 5/0-3	83.50 x 59.50	84.50 x 60.50	84.00 x 60.00	22.83 x 25.50	4.04	21.58 x 26.25	22.83 x 26.88	8.20	6/6
2/4 x 5/2-3	83.50 x 61.50	84.50 x 62.50	84.00 x 62.00	22.83 x 26.50	4.20	21.58 x 27.25	22.83 x 27.88	8.50	6/6
2/4 x 5/6-3	83.50 x 65.50	84.50 x 66.50	84.00 x 66.00	22.83 x 28.50	4.52	21.58 x 29.25	22.83 x 29.88	9.12	6/6
2/4 x 6/0-3	83.50 x 71.50	84.50 x 72.50	84.00 x 72.00	22.83 x 31.50	4.99	21.58 x 32.25	22.83 x 32.88	10.05	6/6
2/4 x 6/2-3	83.50 x 73.50	84.50 x 74.50	84.00 x 74.00	22.83 x 32.50	5.15	21.58 x 33.25	22.83 x 33.88	10.36	9/9
2/4 x 6/6-3	83.50 x 77.50	84.50 x 78.50	84.00 x 78.00	22.83 x 34.50	5.47	21.58 x 35.25	22.83 x 35.88	10.97	9/9
2/6 x 3/0-3	89.50 x 35.50	90.50 x 36.50	90.00 x 36.00	24.83 x 13.50	2.33	23.58 x 14.25	24.83 x 14.88	4.90	6/6
2/6 x 3/2-3	89.50 x 37.50	90.50 x 38.50	90.00 x 38.00	24.83 x 14.50	2.50	23.58 x 15.25	24.83 x 15.88	5.24	6/6
2/6 x 4/0-3	89.50 x 47.50	90.50 x 48.50	90.00 x 48.00	24.83 x 19.50	3.36	23.58 x 20.25	24.83 x 20.88	6.92	6/6
2/6 x 4/6-3	89.50 x 53.50	90.50 x 54.50	90.00 x 54.00	24.83 x 22.50	3.88	23.58 x 23.25	24.83 x 23.88	7.93	6/6
2/6 x 5/0-3	89.50 x 59.50	90.50 x 60.50	90.00 x 60.00	24.83 x 25.50	4.40	23.58 x 26.25	24.83 x 26.88	8.93	6/6
2/6 x 5/2-3	89.50 x 61.50	90.50 x 62.50	90.00 x 62.00	24.83 x 26.50	4.57	23.58 x 27.25	24.83 x 27.88	9.27	6/6
2/6 x 5/6-3	89.50 x 65.50	90.50 x 66.50	90.00 x 66.00	24.83 x 28.50	4.91	23.58 x 29.25	24.83 x 29.88	9.94	6/6
2/6 x 6/0-3	89.50 x 71.50	90.50 x 72.50	90.00 x 72.00	24.83 x 31.50	5.43	23.58 x 32.25	24.83 x 32.88	10.95	6/6
2/6 x 6/2-3	89.50 x 73.50	90.50 x 74.50	90.00 x 74.00	24.83 x 32.50	5.60	23.58 x 33.25	24.83 x 33.88	11.29	9/9
*2/6 x 6/6-3	89.50 x 77.50	90.50 x 78.50	90.00 x 78.00	24.83 x 34.50	5.95	23.58 x 35.25	24.83 x 35.88	11.96	9/9

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

TRIPLE DOUBLE-HUNG – MODEL 1931

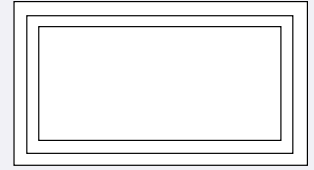


All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Clear Opening Size	Clear Opening Sq. Ft.	Visible Glass Top Sash	Visible Glass Bottom Sash	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	W x H	W x H	W x H	W x H		W x H	W x H		
2/8 x 3/0-3	95.50 x 35.50	96.50 x 36.50	96.00 x 36.00	26.83 x 13.50	2.52	25.58 x 14.25	26.83 x 14.88	5.30	6/6
2/8 x 3/2-3	95.50 x 37.50	96.50 x 38.50	96.00 x 38.00	26.83 x 14.50	2.70	25.58 x 15.25	26.83 x 15.88	5.67	6/6
2/8 x 4/0-3	95.50 x 47.50	96.50 x 48.50	96.00 x 48.00	26.83 x 19.50	3.63	25.58 x 20.25	26.83 x 20.88	7.49	6/6
2/8 x 4/6-3	95.50 x 53.50	96.50 x 54.50	96.00 x 54.00	26.83 x 22.50	4.19	25.58 x 23.25	26.83 x 23.88	8.58	6/6
2/8 x 5/0-3	95.50 x 59.50	96.50 x 60.50	96.00 x 60.00	26.83 x 25.50	4.75	25.58 x 26.25	26.83 x 26.88	9.67	6/6
2/8 x 5/2-3	95.50 x 61.50	96.50 x 62.50	96.00 x 62.00	26.83 x 26.50	4.94	25.58 x 27.25	26.83 x 27.88	10.04	6/6
2/8 x 5/6-3	95.50 x 65.50	96.50 x 66.50	96.00 x 66.00	26.83 x 28.50	5.31	25.58 x 29.25	26.83 x 29.88	10.76	6/6
*2/8 x 6/0-3	95.50 x 71.50	96.50 x 72.50	96.00 x 72.00	26.83 x 31.50	5.87	25.58 x 32.25	26.83 x 32.88	11.86	6/6
*2/8 x 6/2-3	95.50 x 73.50	96.50 x 74.50	96.00 x 74.00	26.83 x 32.50	6.06	25.58 x 33.25	26.83 x 33.88	12.22	9/9
*2/8 x 6/6-3	95.50 x 77.50	96.50 x 78.50	96.00 x 78.00	26.83 x 34.50	6.43	25.58 x 35.25	26.83 x 35.88	12.95	9/9
2/10 x 3/0-3	101.50 x 35.50	102.50 x 36.50	102.00 x 36.00	28.83 x 13.50	2.70	27.58 x 14.25	28.83 x 14.88	5.71	6/6
2/10 x 3/2-3	101.50 x 37.50	102.50 x 38.50	102.00 x 38.00	28.83 x 14.50	2.90	27.58 x 15.25	28.83 x 15.88	6.10	6/6
2/10 x 4/0-3	101.50 x 47.50	102.50 x 48.50	102.00 x 48.00	28.83 x 19.50	3.90	27.58 x 20.25	28.83 x 20.88	8.06	6/6
2/10 x 4/6-3	101.50 x 53.50	102.50 x 54.50	102.00 x 54.00	28.83 x 22.50	4.51	27.58 x 23.25	28.83 x 23.88	9.23	6/6
2/10 x 5/0-3	101.50 x 59.50	102.50 x 60.50	102.00 x 60.00	28.83 x 25.50	5.11	27.58 x 26.25	28.83 x 26.88	10.41	6/6
2/10 x 5/2-3	101.50 x 61.50	102.50 x 62.50	102.00 x 62.00	28.83 x 26.50	5.31	27.58 x 27.25	28.83 x 27.88	10.80	6/6
*2/10 x 5/6-3	101.50 x 65.50	102.50 x 66.50	102.00 x 66.00	28.83 x 28.50	5.71	27.58 x 29.25	28.83 x 29.88	11.58	6/6
*2/10 x 6/0-3	101.50 x 71.50	102.50 x 72.50	102.00 x 72.00	28.83 x 31.50	6.31	27.58 x 32.25	28.83 x 32.88	12.76	6/6
*2/10 x 6/2-3	101.50 x 73.50	102.50 x 74.50	102.00 x 74.00	28.83 x 32.50	6.51	27.58 x 33.25	28.83 x 33.88	13.15	9/9
*2/10 x 6/6-3	101.50 x 77.50	102.50 x 78.50	102.00 x 78.00	28.83 x 34.50	6.91	27.58 x 35.25	28.83 x 35.88	13.94	9/9
3/0 x 3/0-3	107.50 x 35.50	108.50 x 36.50	108.00 x 36.00	30.83 x 13.50	2.89	29.58 x 14.25	30.83 x 14.88	6.11	6/6
3/0 x 3/2-3	107.50 x 37.50	108.50 x 38.50	108.00 x 38.00	30.83 x 14.50	3.10	29.58 x 15.25	30.83 x 15.88	6.53	6/6
3/0 x 4/0-3	107.50 x 47.50	108.50 x 48.50	108.00 x 48.00	30.83 x 19.50	4.18	29.58 x 20.25	30.83 x 20.88	8.63	6/6
3/0 x 4/6-3	107.50 x 53.50	108.50 x 54.50	108.00 x 54.00	30.83 x 22.50	4.82	29.58 x 23.25	30.83 x 23.88	9.89	6/6
3/0 x 5/0-3	107.50 x 59.50	108.50 x 60.50	108.00 x 60.00	30.83 x 25.50	5.46	29.58 x 26.25	30.83 x 26.88	11.15	6/6
3/0 x 5/2-3	107.50 x 61.50	108.50 x 62.50	108.00 x 62.00	30.83 x 26.50	5.67	29.58 x 27.25	30.83 x 27.88	11.57	6/6
*3/0 x 5/6-3	107.50 x 65.50	108.50 x 66.50	108.00 x 66.00	30.83 x 28.50	6.10	29.58 x 29.25	30.83 x 29.88	12.41	6/6
*3/0 x 6/0-3	107.50 x 71.50	108.50 x 72.50	108.00 x 72.00	30.83 x 31.50	6.74	29.58 x 32.25	30.83 x 32.88	13.66	6/6
*3/0 x 6/2-3	107.50 x 73.50	108.50 x 74.50	108.00 x 74.00	30.83 x 32.50	6.96	29.58 x 33.25	30.83 x 33.88	14.08	9/9

* Denotes window meets egress/clear opening criteria of a minimum 20" net opening width, minimum 24" net opening height and a minimum 5.7 sq. ft. opening area.

DOUBLE-HUNG PICTURE WINDOW – MODEL 1914



Size Limitations*			
	Width	Height	U.I.
Min	11.5"	11.50"	
Max	54"	96"	156"
	72"	84"	

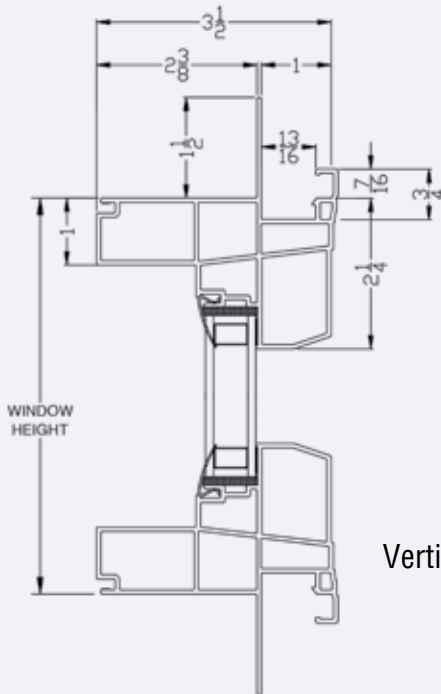
*Dimensions are reversible

Actual Window Size Formulas – Per Opening	
Actual Window Width	Actual Window Height
Rough Opening – 0.5"	Rough Opening – 0.5"

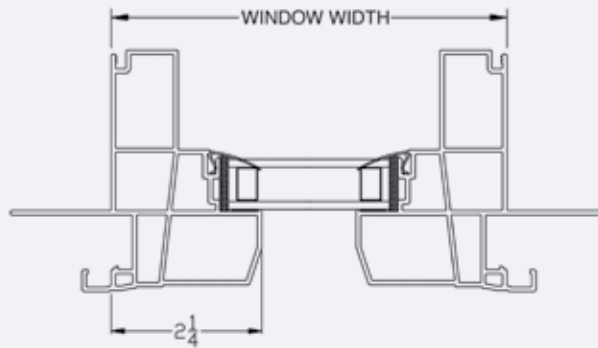
Exterior Dimension W/J-Channel Formulas – Per Opening	
Exterior Dimension Width	Exterior Dimension Height
Rough Opening + 1"	Rough Opening + 1"

Visible Glass Formulas – Per Opening	
Visible Glass Width (VGW)	Visible Glass Height (VGH)
FW – 5"	FH – 5"

Total Visible Glass Square Foot Formula
Visible Glass Width x Visible Glass Height / 144

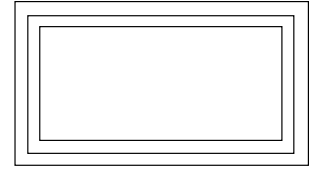


Vertical Cross Section



Horizontal Cross Section

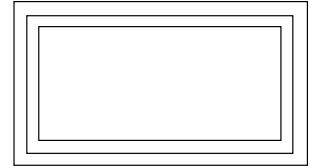
DOUBLE-HUNG PICTURE WINDOW – MODEL 1914



Default Colonial Grid Pattern – Full

		Width					
		Up to 24"	24"+ to 36"	36"+ to 48"	48"+ to 60"	60"+ to 72"	72"+
Height	Up to 12"	2	3	4	5	6	7
	12"+ to 32"	4	6	8	10	12	14
	32"+ to 45"	6	9	12	15	18	21
	45"+ to 72.5"	8	12	16	20	24	28
	72.5"+	12	18	24	30	36	42

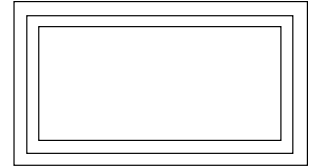
DOUBLE-HUNG PICTURE WINDOW – MODEL 1914



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
1/0 x 1/0	11.50 x 11.50	12.50 x 12.50	12.00 x 12.00	6.50 x 6.50	0.29	2
1/0 x 1/6	11.50 x 17.50	12.50 x 18.50	12.00 x 18.00	6.50 x 12.50	0.56	4
1/0 x 2/0	11.50 x 23.50	12.50 x 24.50	12.00 x 24.00	6.50 x 18.50	0.84	4
1/0 x 2/4	11.50 x 27.50	12.50 x 28.50	12.00 x 28.00	6.50 x 22.50	1.02	4
1/0 x 2/8	11.50 x 31.50	12.50 x 32.50	12.00 x 32.00	6.50 x 26.50	1.20	4
1/0 x 2/10	11.50 x 33.50	12.50 x 34.50	12.00 x 34.00	6.50 x 28.50	1.29	6
1/0 x 3/0	11.50 x 35.50	12.50 x 36.50	12.00 x 36.00	6.50 x 30.50	1.38	6
1/0 x 3/2	11.50 x 37.50	12.50 x 38.50	12.00 x 38.00	6.50 x 32.50	1.47	6
1/0 x 3/8	11.50 x 43.50	12.50 x 44.50	12.00 x 44.00	6.50 x 38.50	1.74	6
1/0 x 3/10	11.50 x 45.50	12.50 x 46.50	12.00 x 46.00	6.50 x 40.50	1.83	8
1/0 x 4/0	11.50 x 47.50	12.50 x 48.50	12.00 x 48.00	6.50 x 42.50	1.92	8
1/0 x 4/2	11.50 x 49.50	12.50 x 50.50	12.00 x 50.00	6.50 x 44.50	2.01	8
1/0 x 4/4	11.50 x 51.50	12.50 x 52.50	12.00 x 52.00	6.50 x 46.50	2.10	8
1/0 x 4/6	11.50 x 53.50	12.50 x 54.50	12.00 x 54.00	6.50 x 48.50	2.19	8
1/0 x 5/0	11.50 x 59.50	12.50 x 60.50	12.00 x 60.00	6.50 x 54.50	2.46	8
1/0 x 5/2	11.50 x 61.50	12.50 x 62.50	12.00 x 62.00	6.50 x 56.50	2.55	8
1/0 x 5/6	11.50 x 65.50	12.50 x 66.50	12.00 x 66.00	6.50 x 60.50	2.73	8
1/0 x 6/0	11.50 x 71.50	12.50 x 72.50	12.00 x 72.00	6.50 x 66.50	3.00	8
1/0 x 6/2	11.50 x 73.50	12.50 x 74.50	12.00 x 74.00	6.50 x 68.50	3.09	12
1/0 x 6/6	11.50 x 77.50	12.50 x 78.50	12.00 x 78.00	6.50 x 72.50	3.27	12
1/0 x 7/0	11.50 x 83.50	12.50 x 84.50	12.00 x 84.00	6.50 x 78.50	3.54	12
1/0 x 7/6	11.50 x 89.50	12.50 x 90.50	12.00 x 90.00	6.50 x 84.50	3.81	12
1/0 x 8/0	11.50 x 95.50	12.50 x 96.50	12.00 x 96.00	6.50 x 90.50	4.09	12
1/6 x 1/0	17.50 x 11.50	18.50 x 12.50	18.00 x 12.00	12.50 x 6.50	0.56	2
1/6 x 1/6	17.50 x 17.50	18.50 x 18.50	18.00 x 18.00	12.50 x 12.50	1.09	4
1/6 x 2/0	17.50 x 23.50	18.50 x 24.50	18.00 x 24.00	12.50 x 18.50	1.61	4
1/6 x 2/4	17.50 x 27.50	18.50 x 28.50	18.00 x 28.00	12.50 x 22.50	1.95	4
1/6 x 2/8	17.50 x 31.50	18.50 x 32.50	18.00 x 32.00	12.50 x 26.50	2.30	4
1/6 x 2/10	17.50 x 33.50	18.50 x 34.50	18.00 x 34.00	12.50 x 28.50	2.47	6
1/6 x 3/0	17.50 x 35.50	18.50 x 36.50	18.00 x 36.00	12.50 x 30.50	2.65	6
1/6 x 3/2	17.50 x 37.50	18.50 x 38.50	18.00 x 38.00	12.50 x 32.50	2.82	6
1/6 x 3/8	17.50 x 43.50	18.50 x 44.50	18.00 x 44.00	12.50 x 38.50	3.34	6
1/6 x 3/10	17.50 x 45.50	18.50 x 46.50	18.00 x 46.00	12.50 x 40.50	3.52	8
1/6 x 4/0	17.50 x 47.50	18.50 x 48.50	18.00 x 48.00	12.50 x 42.50	3.69	8
1/6 x 4/2	17.50 x 49.50	18.50 x 50.50	18.00 x 50.00	12.50 x 44.50	3.86	8
1/6 x 4/4	17.50 x 51.50	18.50 x 52.50	18.00 x 52.00	12.50 x 46.50	4.04	8
1/6 x 4/6	17.50 x 53.50	18.50 x 54.50	18.00 x 54.00	12.50 x 48.50	4.21	8
1/6 x 5/0	17.50 x 59.50	18.50 x 60.50	18.00 x 60.00	12.50 x 54.50	4.73	8
1/6 x 5/2	17.50 x 61.50	18.50 x 62.50	18.00 x 62.00	12.50 x 56.50	4.90	8
1/6 x 5/6	17.50 x 65.50	18.50 x 66.50	18.00 x 66.00	12.50 x 60.50	5.25	8
1/6 x 6/0	17.50 x 71.50	18.50 x 72.50	18.00 x 72.00	12.50 x 66.50	5.77	8
1/6 x 6/2	17.50 x 73.50	18.50 x 74.50	18.00 x 74.00	12.50 x 68.50	5.95	12
1/6 x 6/6	17.50 x 77.50	18.50 x 78.50	18.00 x 78.00	12.50 x 72.50	6.29	12
1/6 x 7/0	17.50 x 83.50	18.50 x 84.50	18.00 x 84.00	12.50 x 78.50	6.81	12
1/6 x 7/6	17.50 x 89.50	18.50 x 90.50	18.00 x 90.00	12.50 x 84.50	7.34	12
1/6 x 8/0	17.50 x 95.50	18.50 x 96.50	18.00 x 96.00	12.50 x 90.50	7.86	12

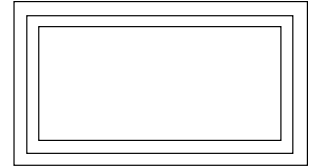
DOUBLE-HUNG PICTURE WINDOW – MODEL 1914



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
1/8 x 1/0	19.50 x 11.50	20.50 x 12.50	20.00 x 12.00	14.50 x 6.50	0.65	2
1/8 x 1/6	19.50 x 17.50	20.50 x 18.50	20.00 x 18.00	14.50 x 12.50	1.26	4
1/8 x 2/0	19.50 x 23.50	20.50 x 24.50	20.00 x 24.00	14.50 x 18.50	1.86	4
1/8 x 2/4	19.50 x 27.50	20.50 x 28.50	20.00 x 28.00	14.50 x 22.50	2.27	4
1/8 x 2/8	19.50 x 31.50	20.50 x 32.50	20.00 x 32.00	14.50 x 26.50	2.67	4
1/8 x 2/10	19.50 x 33.50	20.50 x 34.50	20.00 x 34.00	14.50 x 28.50	2.87	6
1/8 x 3/0	19.50 x 35.50	20.50 x 36.50	20.00 x 36.00	14.50 x 30.50	3.07	6
1/8 x 3/2	19.50 x 37.50	20.50 x 38.50	20.00 x 38.00	14.50 x 32.50	3.27	6
1/8 x 3/8	19.50 x 43.50	20.50 x 44.50	20.00 x 44.00	14.50 x 38.50	3.88	6
1/8 x 3/10	19.50 x 45.50	20.50 x 46.50	20.00 x 46.00	14.50 x 40.50	4.08	8
1/8 x 4/0	19.50 x 47.50	20.50 x 48.50	20.00 x 48.00	14.50 x 42.50	4.28	8
1/8 x 4/2	19.50 x 49.50	20.50 x 50.50	20.00 x 50.00	14.50 x 44.50	4.48	8
1/8 x 4/4	19.50 x 51.50	20.50 x 52.50	20.00 x 52.00	14.50 x 46.50	4.68	8
1/8 x 4/6	19.50 x 53.50	20.50 x 54.50	20.00 x 54.00	14.50 x 48.50	4.88	8
1/8 x 5/0	19.50 x 59.50	20.50 x 60.50	20.00 x 60.00	14.50 x 54.50	5.49	8
1/8 x 5/2	19.50 x 61.50	20.50 x 62.50	20.00 x 62.00	14.50 x 56.50	5.69	8
1/8 x 5/6	19.50 x 65.50	20.50 x 66.50	20.00 x 66.00	14.50 x 60.50	6.09	8
1/8 x 6/0	19.50 x 71.50	20.50 x 72.50	20.00 x 72.00	14.50 x 66.50	6.70	8
1/8 x 6/2	19.50 x 73.50	20.50 x 74.50	20.00 x 74.00	14.50 x 68.50	6.90	12
1/8 x 6/6	19.50 x 77.50	20.50 x 78.50	20.00 x 78.00	14.50 x 72.50	7.30	12
1/8 x 7/0	19.50 x 83.50	20.50 x 84.50	20.00 x 84.00	14.50 x 78.50	7.90	12
1/8 x 7/6	19.50 x 89.50	20.50 x 90.50	20.00 x 90.00	14.50 x 84.50	8.51	12
1/8 x 8/0	19.50 x 95.50	20.50 x 96.50	20.00 x 96.00	14.50 x 90.50	9.11	12
2/0 x 1/0	23.50 x 11.50	24.50 x 12.50	24.00 x 12.00	18.50 x 6.50	0.84	2
2/0 x 1/6	23.50 x 17.50	24.50 x 18.50	24.00 x 18.00	18.50 x 12.50	1.61	4
2/0 x 2/0	23.50 x 23.50	24.50 x 24.50	24.00 x 24.00	18.50 x 18.50	2.38	4
2/0 x 2/4	23.50 x 27.50	24.50 x 28.50	24.00 x 28.00	18.50 x 22.50	2.89	4
2/0 x 2/8	23.50 x 31.50	24.50 x 32.50	24.00 x 32.00	18.50 x 26.50	3.40	4
2/0 x 2/10	23.50 x 33.50	24.50 x 34.50	24.00 x 34.00	18.50 x 28.50	3.66	6
2/0 x 3/0	23.50 x 35.50	24.50 x 36.50	24.00 x 36.00	18.50 x 30.50	3.92	6
2/0 x 3/2	23.50 x 37.50	24.50 x 38.50	24.00 x 38.00	18.50 x 32.50	4.18	6
2/0 x 3/8	23.50 x 43.50	24.50 x 44.50	24.00 x 44.00	18.50 x 38.50	4.95	6
2/0 x 3/10	23.50 x 45.50	24.50 x 46.50	24.00 x 46.00	18.50 x 40.50	5.20	8
2/0 x 4/0	23.50 x 47.50	24.50 x 48.50	24.00 x 48.00	18.50 x 42.50	5.46	8
2/0 x 4/2	23.50 x 49.50	24.50 x 50.50	24.00 x 50.00	18.50 x 44.50	5.72	8
2/0 x 4/4	23.50 x 51.50	24.50 x 52.50	24.00 x 52.00	18.50 x 46.50	5.97	8
2/0 x 4/6	23.50 x 53.50	24.50 x 54.50	24.00 x 54.00	18.50 x 48.50	6.23	8
2/0 x 5/0	23.50 x 59.50	24.50 x 60.50	24.00 x 60.00	18.50 x 54.50	7.00	8
2/0 x 5/2	23.50 x 61.50	24.50 x 62.50	24.00 x 62.00	18.50 x 56.50	7.26	8
2/0 x 5/6	23.50 x 65.50	24.50 x 66.50	24.00 x 66.00	18.50 x 60.50	7.77	8
2/0 x 6/0	23.50 x 71.50	24.50 x 72.50	24.00 x 72.00	18.50 x 66.50	8.54	8
2/0 x 6/2	23.50 x 73.50	24.50 x 74.50	24.00 x 74.00	18.50 x 68.50	8.80	12
2/0 x 6/6	23.50 x 77.50	24.50 x 78.50	24.00 x 78.00	18.50 x 72.50	9.31	12
2/0 x 7/0	23.50 x 83.50	24.50 x 84.50	24.00 x 84.00	18.50 x 78.50	10.09	12
2/0 x 7/6	23.50 x 89.50	24.50 x 90.50	24.00 x 90.00	18.50 x 84.50	10.86	12
2/0 x 8/0	23.50 x 95.50	24.50 x 96.50	24.00 x 96.00	18.50 x 90.50	11.63	12

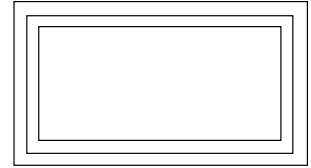
DOUBLE-HUNG PICTURE WINDOW – MODEL 1914



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
2/4 x 1/0	27.50 x 11.50	28.50 x 12.50	28.00 x 12.00	22.50 x 6.50	1.02	3
2/4 x 1/6	27.50 x 17.50	28.50 x 18.50	28.00 x 18.00	22.50 x 12.50	1.95	6
2/4 x 2/0	27.50 x 23.50	28.50 x 24.50	28.00 x 24.00	22.50 x 18.50	2.89	6
2/4 x 2/4	27.50 x 27.50	28.50 x 28.50	28.00 x 28.00	22.50 x 22.50	3.52	6
2/4 x 2/8	27.50 x 31.50	28.50 x 32.50	28.00 x 32.00	22.50 x 26.50	4.14	6
2/4 x 2/10	27.50 x 33.50	28.50 x 34.50	28.00 x 34.00	22.50 x 28.50	4.45	9
2/4 x 3/0	27.50 x 35.50	28.50 x 36.50	28.00 x 36.00	22.50 x 30.50	4.77	9
2/4 x 3/2	27.50 x 37.50	28.50 x 38.50	28.00 x 38.00	22.50 x 32.50	5.08	9
2/4 x 3/8	27.50 x 43.50	28.50 x 44.50	28.00 x 44.00	22.50 x 38.50	6.02	9
2/4 x 3/10	27.50 x 45.50	28.50 x 46.50	28.00 x 46.00	22.50 x 40.50	6.33	12
2/4 x 4/0	27.50 x 47.50	28.50 x 48.50	28.00 x 48.00	22.50 x 42.50	6.64	12
2/4 x 4/2	27.50 x 49.50	28.50 x 50.50	28.00 x 50.00	22.50 x 44.50	6.95	12
2/4 x 4/4	27.50 x 51.50	28.50 x 52.50	28.00 x 52.00	22.50 x 46.50	7.27	12
2/4 x 4/6	27.50 x 53.50	28.50 x 54.50	28.00 x 54.00	22.50 x 48.50	7.58	12
2/4 x 5/0	27.50 x 59.50	28.50 x 60.50	28.00 x 60.00	22.50 x 54.50	8.52	12
2/4 x 5/2	27.50 x 61.50	28.50 x 62.50	28.00 x 62.00	22.50 x 56.50	8.83	12
2/4 x 5/6	27.50 x 65.50	28.50 x 66.50	28.00 x 66.00	22.50 x 60.50	9.45	12
2/4 x 6/0	27.50 x 71.50	28.50 x 72.50	28.00 x 72.00	22.50 x 66.50	10.39	12
2/4 x 6/2	27.50 x 73.50	28.50 x 74.50	28.00 x 74.00	22.50 x 68.50	10.70	18
2/4 x 6/6	27.50 x 77.50	28.50 x 78.50	28.00 x 78.00	22.50 x 72.50	11.33	18
2/4 x 7/0	27.50 x 83.50	28.50 x 84.50	28.00 x 84.00	22.50 x 78.50	12.27	18
2/4 x 7/6	27.50 x 89.50	28.50 x 90.50	28.00 x 90.00	22.50 x 84.50	13.20	18
2/4 x 8/0	27.50 x 95.50	28.50 x 96.50	28.00 x 96.00	22.50 x 90.50	14.14	18
2/6 x 1/0	29.50 x 11.50	30.50 x 12.50	30.00 x 12.00	24.50 x 6.50	1.11	3
2/6 x 1/6	29.50 x 17.50	30.50 x 18.50	30.00 x 18.00	24.50 x 12.50	2.13	6
2/6 x 2/0	29.50 x 23.50	30.50 x 24.50	30.00 x 24.00	24.50 x 18.50	3.15	6
2/6 x 2/4	29.50 x 27.50	30.50 x 28.50	30.00 x 28.00	24.50 x 22.50	3.83	6
2/6 x 2/8	29.50 x 31.50	30.50 x 32.50	30.00 x 32.00	24.50 x 26.50	4.51	6
2/6 x 2/10	29.50 x 33.50	30.50 x 34.50	30.00 x 34.00	24.50 x 28.50	4.85	9
2/6 x 3/0	29.50 x 35.50	30.50 x 36.50	30.00 x 36.00	24.50 x 30.50	5.19	9
2/6 x 3/2	29.50 x 37.50	30.50 x 38.50	30.00 x 38.00	24.50 x 32.50	5.53	9
2/6 x 3/8	29.50 x 43.50	30.50 x 44.50	30.00 x 44.00	24.50 x 38.50	6.55	9
2/6 x 3/10	29.50 x 45.50	30.50 x 46.50	30.00 x 46.00	24.50 x 40.50	6.89	12
2/6 x 4/0	29.50 x 47.50	30.50 x 48.50	30.00 x 48.00	24.50 x 42.50	7.23	12
2/6 x 4/2	29.50 x 49.50	30.50 x 50.50	30.00 x 50.00	24.50 x 44.50	7.57	12
2/6 x 4/4	29.50 x 51.50	30.50 x 52.50	30.00 x 52.00	24.50 x 46.50	7.91	12
2/6 x 4/6	29.50 x 53.50	30.50 x 54.50	30.00 x 54.00	24.50 x 48.50	8.25	12
2/6 x 5/0	29.50 x 59.50	30.50 x 60.50	30.00 x 60.00	24.50 x 54.50	9.27	12
2/6 x 5/2	29.50 x 61.50	30.50 x 62.50	30.00 x 62.00	24.50 x 56.50	9.61	12
2/6 x 5/6	29.50 x 65.50	30.50 x 66.50	30.00 x 66.00	24.50 x 60.50	10.29	12
2/6 x 6/0	29.50 x 71.50	30.50 x 72.50	30.00 x 72.00	24.50 x 66.50	11.31	12
2/6 x 6/2	29.50 x 73.50	30.50 x 74.50	30.00 x 74.00	24.50 x 68.50	11.65	18
2/6 x 6/6	29.50 x 77.50	30.50 x 78.50	30.00 x 78.00	24.50 x 72.50	12.34	18
2/6 x 7/0	29.50 x 83.50	30.50 x 84.50	30.00 x 84.00	24.50 x 78.50	13.36	18
2/6 x 7/6	29.50 x 89.50	30.50 x 90.50	30.00 x 90.00	24.50 x 84.50	14.38	18
2/6 x 8/0	29.50 x 95.50	30.50 x 96.50	30.00 x 96.00	24.50 x 90.50	15.40	18

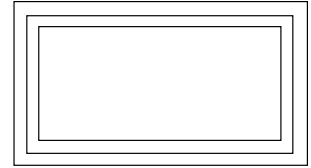
DOUBLE-HUNG PICTURE WINDOW – MODEL 1914



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
2/8 x 1/0	31.50 x 11.50	32.50 x 12.50	32.00 x 12.00	26.50 x 6.50	1.20	3
2/8 x 1/6	31.50 x 17.50	32.50 x 18.50	32.00 x 18.00	26.50 x 12.50	2.30	6
2/8 x 2/0	31.50 x 23.50	32.50 x 24.50	32.00 x 24.00	26.50 x 18.50	3.40	6
2/8 x 2/4	31.50 x 27.50	32.50 x 28.50	32.00 x 28.00	26.50 x 22.50	4.14	6
2/8 x 2/8	31.50 x 31.50	32.50 x 32.50	32.00 x 32.00	26.50 x 26.50	4.88	6
2/8 x 2/10	31.50 x 33.50	32.50 x 34.50	32.00 x 34.00	26.50 x 28.50	5.24	9
2/8 x 3/0	31.50 x 35.50	32.50 x 36.50	32.00 x 36.00	26.50 x 30.50	5.61	9
2/8 x 3/2	31.50 x 37.50	32.50 x 38.50	32.00 x 38.00	26.50 x 32.50	5.98	9
2/8 x 3/8	31.50 x 43.50	32.50 x 44.50	32.00 x 44.00	26.50 x 38.50	7.09	9
2/8 x 3/10	31.50 x 45.50	32.50 x 46.50	32.00 x 46.00	26.50 x 40.50	7.45	12
2/8 x 4/0	31.50 x 47.50	32.50 x 48.50	32.00 x 48.00	26.50 x 42.50	7.82	12
2/8 x 4/2	31.50 x 49.50	32.50 x 50.50	32.00 x 50.00	26.50 x 44.50	8.19	12
2/8 x 4/4	31.50 x 51.50	32.50 x 52.50	32.00 x 52.00	26.50 x 46.50	8.56	12
2/8 x 4/6	31.50 x 53.50	32.50 x 54.50	32.00 x 54.00	26.50 x 48.50	8.93	12
2/8 x 5/0	31.50 x 59.50	32.50 x 60.50	32.00 x 60.00	26.50 x 54.50	10.03	12
2/8 x 5/2	31.50 x 61.50	32.50 x 62.50	32.00 x 62.00	26.50 x 56.50	10.40	12
2/8 x 5/6	31.50 x 65.50	32.50 x 66.50	32.00 x 66.00	26.50 x 60.50	11.13	12
2/8 x 6/0	31.50 x 71.50	32.50 x 72.50	32.00 x 72.00	26.50 x 66.50	12.24	12
2/8 x 6/2	31.50 x 73.50	32.50 x 74.50	32.00 x 74.00	26.50 x 68.50	12.61	18
2/8 x 6/6	31.50 x 77.50	32.50 x 78.50	32.00 x 78.00	26.50 x 72.50	13.34	18
2/8 x 7/0	31.50 x 83.50	32.50 x 84.50	32.00 x 84.00	26.50 x 78.50	14.45	18
2/8 x 7/6	31.50 x 89.50	32.50 x 90.50	32.00 x 90.00	26.50 x 84.50	15.55	18
2/8 x 8/0	31.50 x 95.50	32.50 x 96.50	32.00 x 96.00	26.50 x 90.50	16.65	18
3/0 x 1/0	35.50 x 11.50	36.50 x 12.50	36.00 x 12.00	30.50 x 6.50	1.38	3
3/0 x 1/6	35.50 x 17.50	36.50 x 18.50	36.00 x 18.00	30.50 x 12.50	2.65	6
3/0 x 2/0	35.50 x 23.50	36.50 x 24.50	36.00 x 24.00	30.50 x 18.50	3.92	6
3/0 x 2/4	35.50 x 27.50	36.50 x 28.50	36.00 x 28.00	30.50 x 22.50	4.77	6
3/0 x 2/8	35.50 x 31.50	36.50 x 32.50	36.00 x 32.00	30.50 x 26.50	5.61	6
3/0 x 2/10	35.50 x 33.50	36.50 x 34.50	36.00 x 34.00	30.50 x 28.50	6.04	9
3/0 x 3/0	35.50 x 35.50	36.50 x 36.50	36.00 x 36.00	30.50 x 30.50	6.46	9
3/0 x 3/2	35.50 x 37.50	36.50 x 38.50	36.00 x 38.00	30.50 x 32.50	6.88	9
3/0 x 3/8	35.50 x 43.50	36.50 x 44.50	36.00 x 44.00	30.50 x 38.50	8.15	9
3/0 x 3/10	35.50 x 45.50	36.50 x 46.50	36.00 x 46.00	30.50 x 40.50	8.58	12
3/0 x 4/0	35.50 x 47.50	36.50 x 48.50	36.00 x 48.00	30.50 x 42.50	9.00	12
3/0 x 4/2	35.50 x 49.50	36.50 x 50.50	36.00 x 50.00	30.50 x 44.50	9.43	12
3/0 x 4/4	35.50 x 51.50	36.50 x 52.50	36.00 x 52.00	30.50 x 46.50	9.85	12
3/0 x 4/6	35.50 x 53.50	36.50 x 54.50	36.00 x 54.00	30.50 x 48.50	10.27	12
3/0 x 5/0	35.50 x 59.50	36.50 x 60.50	36.00 x 60.00	30.50 x 54.50	11.54	12
3/0 x 5/2	35.50 x 61.50	36.50 x 62.50	36.00 x 62.00	30.50 x 56.50	11.97	12
3/0 x 5/6	35.50 x 65.50	36.50 x 66.50	36.00 x 66.00	30.50 x 60.50	12.81	12
3/0 x 6/0	35.50 x 71.50	36.50 x 72.50	36.00 x 72.00	30.50 x 66.50	14.09	12
3/0 x 6/2	35.50 x 73.50	36.50 x 74.50	36.00 x 74.00	30.50 x 68.50	14.51	18
3/0 x 6/6	35.50 x 77.50	36.50 x 78.50	36.00 x 78.00	30.50 x 72.50	15.36	18
3/0 x 7/0	35.50 x 83.50	36.50 x 84.50	36.00 x 84.00	30.50 x 78.50	16.63	18
3/0 x 7/6	35.50 x 89.50	36.50 x 90.50	36.00 x 90.00	30.50 x 84.50	17.90	18
3/0 x 8/0	35.50 x 95.50	36.50 x 96.50	36.00 x 96.00	30.50 x 90.50	19.17	18

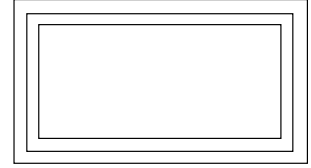
DOUBLE-HUNG PICTURE WINDOW – MODEL 1914



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
3/2 x 1/0	37.50 x 11.50	38.50 x 12.50	38.00 x 12.00	32.50 x 6.50	1.47	4
3/2 x 1/6	37.50 x 17.50	38.50 x 18.50	38.00 x 18.00	32.50 x 12.50	2.82	8
3/2 x 2/0	37.50 x 23.50	38.50 x 24.50	38.00 x 24.00	32.50 x 18.50	4.18	8
3/2 x 2/4	37.50 x 27.50	38.50 x 28.50	38.00 x 28.00	32.50 x 22.50	5.08	8
3/2 x 2/8	37.50 x 31.50	38.50 x 32.50	38.00 x 32.00	32.50 x 26.50	5.98	8
3/2 x 2/10	37.50 x 33.50	38.50 x 34.50	38.00 x 34.00	32.50 x 28.50	6.43	12
3/2 x 3/0	37.50 x 35.50	38.50 x 36.50	38.00 x 36.00	32.50 x 30.50	6.88	12
3/2 x 3/2	37.50 x 37.50	38.50 x 38.50	38.00 x 38.00	32.50 x 32.50	7.34	12
3/2 x 3/8	37.50 x 43.50	38.50 x 44.50	38.00 x 44.00	32.50 x 38.50	8.69	12
3/2 x 3/10	37.50 x 45.50	38.50 x 46.50	38.00 x 46.00	32.50 x 40.50	9.14	16
3/2 x 4/0	37.50 x 47.50	38.50 x 48.50	38.00 x 48.00	32.50 x 42.50	9.59	16
3/2 x 4/2	37.50 x 49.50	38.50 x 50.50	38.00 x 50.00	32.50 x 44.50	10.04	16
3/2 x 4/4	37.50 x 51.50	38.50 x 52.50	38.00 x 52.00	32.50 x 46.50	10.49	16
3/2 x 4/6	37.50 x 53.50	38.50 x 54.50	38.00 x 54.00	32.50 x 48.50	10.95	16
3/2 x 5/0	37.50 x 59.50	38.50 x 60.50	38.00 x 60.00	32.50 x 54.50	12.30	16
3/2 x 5/2	37.50 x 61.50	38.50 x 62.50	38.00 x 62.00	32.50 x 56.50	12.75	16
3/2 x 5/6	37.50 x 65.50	38.50 x 66.50	38.00 x 66.00	32.50 x 60.50	13.65	16
3/2 x 6/0	37.50 x 71.50	38.50 x 72.50	38.00 x 72.00	32.50 x 66.50	15.01	16
3/2 x 6/2	37.50 x 73.50	38.50 x 74.50	38.00 x 74.00	32.50 x 68.50	15.46	24
3/2 x 6/6	37.50 x 77.50	38.50 x 78.50	38.00 x 78.00	32.50 x 72.50	16.36	24
3/2 x 7/0	37.50 x 83.50	38.50 x 84.50	38.00 x 84.00	32.50 x 78.50	17.72	24
3/2 x 7/6	37.50 x 89.50	38.50 x 90.50	38.00 x 90.00	32.50 x 84.50	19.07	24
3/2 x 8/0	37.50 x 95.50	38.50 x 96.50	38.00 x 96.00	32.50 x 90.50	20.43	24
3/4 x 1/0	39.50 x 11.50	40.50 x 12.50	40.00 x 12.00	34.50 x 6.50	1.56	4
3/4 x 1/6	39.50 x 17.50	40.50 x 18.50	40.00 x 18.00	34.50 x 12.50	2.99	8
3/4 x 2/0	39.50 x 23.50	40.50 x 24.50	40.00 x 24.00	34.50 x 18.50	4.43	8
3/4 x 2/4	39.50 x 27.50	40.50 x 28.50	40.00 x 28.00	34.50 x 22.50	5.39	8
3/4 x 2/8	39.50 x 31.50	40.50 x 32.50	40.00 x 32.00	34.50 x 26.50	6.35	8
3/4 x 2/10	39.50 x 33.50	40.50 x 34.50	40.00 x 34.00	34.50 x 28.50	6.83	12
3/4 x 3/0	39.50 x 35.50	40.50 x 36.50	40.00 x 36.00	34.50 x 30.50	7.31	12
3/4 x 3/2	39.50 x 37.50	40.50 x 38.50	40.00 x 38.00	34.50 x 32.50	7.79	12
3/4 x 3/8	39.50 x 43.50	40.50 x 44.50	40.00 x 44.00	34.50 x 38.50	9.22	12
3/4 x 3/10	39.50 x 45.50	40.50 x 46.50	40.00 x 46.00	34.50 x 40.50	9.70	16
3/4 x 4/0	39.50 x 47.50	40.50 x 48.50	40.00 x 48.00	34.50 x 42.50	10.18	16
3/4 x 4/2	39.50 x 49.50	40.50 x 50.50	40.00 x 50.00	34.50 x 44.50	10.66	16
3/4 x 4/4	39.50 x 51.50	40.50 x 52.50	40.00 x 52.00	34.50 x 46.50	11.14	16
3/4 x 4/6	39.50 x 53.50	40.50 x 54.50	40.00 x 54.00	34.50 x 48.50	11.62	16
3/4 x 5/0	39.50 x 59.50	40.50 x 60.50	40.00 x 60.00	34.50 x 54.50	13.06	16
3/4 x 5/2	39.50 x 61.50	40.50 x 62.50	40.00 x 62.00	34.50 x 56.50	13.54	16
3/4 x 5/6	39.50 x 65.50	40.50 x 66.50	40.00 x 66.00	34.50 x 60.50	14.49	16
3/4 x 6/0	39.50 x 71.50	40.50 x 72.50	40.00 x 72.00	34.50 x 66.50	15.93	16
3/4 x 6/2	39.50 x 73.50	40.50 x 74.50	40.00 x 74.00	34.50 x 68.50	16.41	24
3/4 x 6/6	39.50 x 77.50	40.50 x 78.50	40.00 x 78.00	34.50 x 72.50	17.37	24
3/4 x 7/0	39.50 x 83.50	40.50 x 84.50	40.00 x 84.00	34.50 x 78.50	18.81	24
3/4 x 7/6	39.50 x 89.50	40.50 x 90.50	40.00 x 90.00	34.50 x 84.50	20.24	24
3/4 x 8/0	39.50 x 95.50	40.50 x 96.50	40.00 x 96.00	34.50 x 90.50	21.68	24

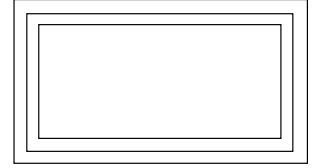
DOUBLE-HUNG PICTURE WINDOW – MODEL 1914



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
3/6 x 1/0	41.50 x 11.50	42.50 x 12.50	42.00 x 12.00	36.50 x 6.50	1.65	4
3/6 x 1/6	41.50 x 17.50	42.50 x 18.50	42.00 x 18.00	36.50 x 12.50	3.17	8
3/6 x 2/0	41.50 x 23.50	42.50 x 24.50	42.00 x 24.00	36.50 x 18.50	4.69	8
3/6 x 2/4	41.50 x 27.50	42.50 x 28.50	42.00 x 28.00	36.50 x 22.50	5.70	8
3/6 x 2/8	41.50 x 31.50	42.50 x 32.50	42.00 x 32.00	36.50 x 26.50	6.72	8
3/6 x 2/10	41.50 x 33.50	42.50 x 34.50	42.00 x 34.00	36.50 x 28.50	7.22	12
3/6 x 3/0	41.50 x 35.50	42.50 x 36.50	42.00 x 36.00	36.50 x 30.50	7.73	12
3/6 x 3/2	41.50 x 37.50	42.50 x 38.50	42.00 x 38.00	36.50 x 32.50	8.24	12
3/6 x 3/8	41.50 x 43.50	42.50 x 44.50	42.00 x 44.00	36.50 x 38.50	9.76	12
3/6 x 3/10	41.50 x 45.50	42.50 x 46.50	42.00 x 46.00	36.50 x 40.50	10.27	16
3/6 x 4/0	41.50 x 47.50	42.50 x 48.50	42.00 x 48.00	36.50 x 42.50	10.77	16
3/6 x 4/2	41.50 x 49.50	42.50 x 50.50	42.00 x 50.00	36.50 x 44.50	11.28	16
3/6 x 4/4	41.50 x 51.50	42.50 x 52.50	42.00 x 52.00	36.50 x 46.50	11.79	16
3/6 x 4/6	41.50 x 53.50	42.50 x 54.50	42.00 x 54.00	36.50 x 48.50	12.29	16
3/6 x 5/0	41.50 x 59.50	42.50 x 60.50	42.00 x 60.00	36.50 x 54.50	13.81	16
3/6 x 5/2	41.50 x 61.50	42.50 x 62.50	42.00 x 62.00	36.50 x 56.50	14.32	16
3/6 x 5/6	41.50 x 65.50	42.50 x 66.50	42.00 x 66.00	36.50 x 60.50	15.34	16
3/6 x 6/0	41.50 x 71.50	42.50 x 72.50	42.00 x 72.00	36.50 x 66.50	16.86	16
3/6 x 6/2	41.50 x 73.50	42.50 x 74.50	42.00 x 74.00	36.50 x 68.50	17.36	24
3/6 x 6/6	41.50 x 77.50	42.50 x 78.50	42.00 x 78.00	36.50 x 72.50	18.38	24
3/6 x 7/0	41.50 x 83.50	42.50 x 84.50	42.00 x 84.00	36.50 x 78.50	19.90	24
3/6 x 7/6	41.50 x 89.50	42.50 x 90.50	42.00 x 90.00	36.50 x 84.50	21.42	24
3/6 x 8/0	41.50 x 95.50	42.50 x 96.50	42.00 x 96.00	36.50 x 90.50	22.94	24
3/8 x 1/0	43.50 x 11.50	44.50 x 12.50	44.00 x 12.00	38.50 x 6.50	1.74	4
3/8 x 1/6	43.50 x 17.50	44.50 x 18.50	44.00 x 18.00	38.50 x 12.50	3.34	8
3/8 x 2/0	43.50 x 23.50	44.50 x 24.50	44.00 x 24.00	38.50 x 18.50	4.95	8
3/8 x 2/4	43.50 x 27.50	44.50 x 28.50	44.00 x 28.00	38.50 x 22.50	6.02	8
3/8 x 2/8	43.50 x 31.50	44.50 x 32.50	44.00 x 32.00	38.50 x 26.50	7.09	8
3/8 x 2/10	43.50 x 33.50	44.50 x 34.50	44.00 x 34.00	38.50 x 28.50	7.62	12
3/8 x 3/0	43.50 x 35.50	44.50 x 36.50	44.00 x 36.00	38.50 x 30.50	8.15	12
3/8 x 3/2	43.50 x 37.50	44.50 x 38.50	44.00 x 38.00	38.50 x 32.50	8.69	12
3/8 x 3/8	43.50 x 43.50	44.50 x 44.50	44.00 x 44.00	38.50 x 38.50	10.29	12
3/8 x 3/10	43.50 x 45.50	44.50 x 46.50	44.00 x 46.00	38.50 x 40.50	10.83	16
3/8 x 4/0	43.50 x 47.50	44.50 x 48.50	44.00 x 48.00	38.50 x 42.50	11.36	16
3/8 x 4/2	43.50 x 49.50	44.50 x 50.50	44.00 x 50.00	38.50 x 44.50	11.90	16
3/8 x 4/4	43.50 x 51.50	44.50 x 52.50	44.00 x 52.00	38.50 x 46.50	12.43	16
3/8 x 4/6	43.50 x 53.50	44.50 x 54.50	44.00 x 54.00	38.50 x 48.50	12.97	16
3/8 x 5/0	43.50 x 59.50	44.50 x 60.50	44.00 x 60.00	38.50 x 54.50	14.57	16
3/8 x 5/2	43.50 x 61.50	44.50 x 62.50	44.00 x 62.00	38.50 x 56.50	15.11	16
3/8 x 5/6	43.50 x 65.50	44.50 x 66.50	44.00 x 66.00	38.50 x 60.50	16.18	16
3/8 x 6/0	43.50 x 71.50	44.50 x 72.50	44.00 x 72.00	38.50 x 66.50	17.78	16
3/8 x 6/2	43.50 x 73.50	44.50 x 74.50	44.00 x 74.00	38.50 x 68.50	18.31	24
3/8 x 6/6	43.50 x 77.50	44.50 x 78.50	44.00 x 78.00	38.50 x 72.50	19.38	24
3/8 x 7/0	43.50 x 83.50	44.50 x 84.50	44.00 x 84.00	38.50 x 78.50	20.99	24
3/8 x 7/6	43.50 x 89.50	44.50 x 90.50	44.00 x 90.00	38.50 x 84.50	22.59	24
3/8 x 8/0	43.50 x 95.50	44.50 x 96.50	44.00 x 96.00	38.50 x 90.50	24.20	24

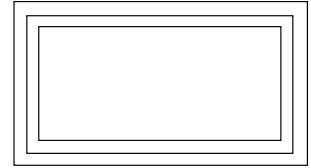
DOUBLE-HUNG PICTURE WINDOW – MODEL 1914



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
4/0 x 1/0	47.50 x 11.50	48.50 x 12.50	48.00 x 12.00	42.50 x 6.50	1.92	4
4/0 x 1/6	47.50 x 17.50	48.50 x 18.50	48.00 x 18.00	42.50 x 12.50	3.69	8
4/0 x 2/0	47.50 x 23.50	48.50 x 24.50	48.00 x 24.00	42.50 x 18.50	5.46	8
4/0 x 2/4	47.50 x 27.50	48.50 x 28.50	48.00 x 28.00	42.50 x 22.50	6.64	8
4/0 x 2/8	47.50 x 31.50	48.50 x 32.50	48.00 x 32.00	42.50 x 26.50	7.82	8
4/0 x 2/10	47.50 x 33.50	48.50 x 34.50	48.00 x 34.00	42.50 x 28.50	8.41	12
4/0 x 3/0	47.50 x 35.50	48.50 x 36.50	48.00 x 36.00	42.50 x 30.50	9.00	12
4/0 x 3/2	47.50 x 37.50	48.50 x 38.50	48.00 x 38.00	42.50 x 32.50	9.59	12
4/0 x 3/8	47.50 x 43.50	48.50 x 44.50	48.00 x 44.00	42.50 x 38.50	11.36	12
4/0 x 3/10	47.50 x 45.50	48.50 x 46.50	48.00 x 46.00	42.50 x 40.50	11.95	16
4/0 x 4/0	47.50 x 47.50	48.50 x 48.50	48.00 x 48.00	42.50 x 42.50	12.54	16
4/0 x 4/2	47.50 x 49.50	48.50 x 50.50	48.00 x 50.00	42.50 x 44.50	13.13	16
4/0 x 4/4	47.50 x 51.50	48.50 x 52.50	48.00 x 52.00	42.50 x 46.50	13.72	16
4/0 x 4/6	47.50 x 53.50	48.50 x 54.50	48.00 x 54.00	42.50 x 48.50	14.31	16
4/0 x 5/0	47.50 x 59.50	48.50 x 60.50	48.00 x 60.00	42.50 x 54.50	16.09	16
4/0 x 5/2	47.50 x 61.50	48.50 x 62.50	48.00 x 62.00	42.50 x 56.50	16.68	16
4/0 x 5/6	47.50 x 65.50	48.50 x 66.50	48.00 x 66.00	42.50 x 60.50	17.86	16
4/0 x 6/0	47.50 x 71.50	48.50 x 72.50	48.00 x 72.00	42.50 x 66.50	19.63	16
4/0 x 6/2	47.50 x 73.50	48.50 x 74.50	48.00 x 74.00	42.50 x 68.50	20.22	24
4/0 x 6/6	47.50 x 77.50	48.50 x 78.50	48.00 x 78.00	42.50 x 72.50	21.40	24
4/0 x 7/0	47.50 x 83.50	48.50 x 84.50	48.00 x 84.00	42.50 x 78.50	23.17	24
4/0 x 7/6	47.50 x 89.50	48.50 x 90.50	48.00 x 90.00	42.50 x 84.50	24.94	24
4/0 x 8/0	47.50 x 95.50	48.50 x 96.50	48.00 x 96.00	42.50 x 90.50	26.71	24
4/2 x 1/0	49.50 x 11.50	50.50 x 12.50	50.00 x 12.00	44.50 x 6.50	2.01	5
4/2 x 1/6	49.50 x 17.50	50.50 x 18.50	50.00 x 18.00	44.50 x 12.50	3.86	10
4/2 x 2/0	49.50 x 23.50	50.50 x 24.50	50.00 x 24.00	44.50 x 18.50	5.72	10
4/2 x 2/4	49.50 x 27.50	50.50 x 28.50	50.00 x 28.00	44.50 x 22.50	6.95	10
4/4 x 1/0	51.50 x 11.50	52.50 x 12.50	52.00 x 12.00	46.50 x 6.50	2.10	5
4/4 x 1/6	51.50 x 17.50	52.50 x 18.50	52.00 x 18.00	46.50 x 12.50	4.04	10
4/4 x 2/0	51.50 x 23.50	52.50 x 24.50	52.00 x 24.00	46.50 x 18.50	5.97	10
4/4 x 2/4	51.50 x 27.50	52.50 x 28.50	52.00 x 28.00	46.50 x 22.50	7.27	10

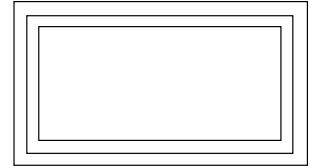
DOUBLE-HUNG PICTURE WINDOW – MODEL 1914



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
4/6 x 1/0	53.50 x 11.50	54.50 x 12.50	54.00 x 12.00	48.50 x 6.50	2.19	5
4/6 x 1/6	53.50 x 17.50	54.50 x 18.50	54.00 x 18.00	48.50 x 12.50	4.21	10
4/6 x 2/0	53.50 x 23.50	54.50 x 24.50	54.00 x 24.00	48.50 x 18.50	6.23	10
4/6 x 2/4	53.50 x 27.50	54.50 x 28.50	54.00 x 28.00	48.50 x 22.50	7.58	10
4/6 x 2/8	53.50 x 31.50	54.50 x 32.50	54.00 x 32.00	48.50 x 26.50	8.93	10
4/6 x 2/10	53.50 x 33.50	54.50 x 34.50	54.00 x 34.00	48.50 x 28.50	9.60	15
4/6 x 3/0	53.50 x 35.50	54.50 x 36.50	54.00 x 36.00	48.50 x 30.50	10.27	15
4/6 x 3/2	53.50 x 37.50	54.50 x 38.50	54.00 x 38.00	48.50 x 32.50	10.95	15
4/6 x 3/8	53.50 x 43.50	54.50 x 44.50	54.00 x 44.00	48.50 x 38.50	12.97	15
4/6 x 3/10	53.50 x 45.50	54.50 x 46.50	54.00 x 46.00	48.50 x 40.50	13.64	20
4/6 x 4/0	53.50 x 47.50	54.50 x 48.50	54.00 x 48.00	48.50 x 42.50	14.31	20
4/6 x 4/2	53.50 x 49.50	54.50 x 50.50	54.00 x 50.00	48.50 x 44.50	14.99	20
4/6 x 4/4	53.50 x 51.50	54.50 x 52.50	54.00 x 52.00	48.50 x 46.50	15.66	20
4/6 x 4/6	53.50 x 53.50	54.50 x 54.50	54.00 x 54.00	48.50 x 48.50	16.34	20
4/6 x 5/0	53.50 x 59.50	54.50 x 60.50	54.00 x 60.00	48.50 x 54.50	18.36	20
4/6 x 5/2	53.50 x 61.50	54.50 x 62.50	54.00 x 62.00	48.50 x 56.50	19.03	20
4/6 x 5/6	53.50 x 65.50	54.50 x 66.50	54.00 x 66.00	48.50 x 60.50	20.38	20
4/6 x 6/0	53.50 x 71.50	54.50 x 72.50	54.00 x 72.00	48.50 x 66.50	22.40	20
4/6 x 6/2	53.50 x 73.50	54.50 x 74.50	54.00 x 74.00	48.50 x 68.50	23.07	30
4/6 x 6/6	53.50 x 77.50	54.50 x 78.50	54.00 x 78.00	48.50 x 72.50	24.42	30
4/6 x 7/0	53.50 x 83.50	54.50 x 84.50	54.00 x 84.00	48.50 x 78.50	26.44	30
4/6 x 7/6	53.50 x 89.50	54.50 x 90.50	54.00 x 90.00	48.50 x 84.50	28.46	30
4/6 x 8/0	53.50 x 95.50	54.50 x 96.50	54.00 x 96.00	48.50 x 90.50	30.48	30
5/0 x 1/0	59.50 x 11.50	60.50 x 12.50	60.00 x 12.00	54.50 x 6.50	2.46	5
5/0 x 1/6	59.50 x 17.50	60.50 x 18.50	60.00 x 18.00	54.50 x 12.50	4.73	10
5/0 x 2/0	59.50 x 23.50	60.50 x 24.50	60.00 x 24.00	54.50 x 18.50	7.00	10
5/0 x 2/4	59.50 x 27.50	60.50 x 28.50	60.00 x 28.00	54.50 x 22.50	8.52	10
5/0 x 2/8	59.50 x 31.50	60.50 x 32.50	60.00 x 32.00	54.50 x 26.50	10.03	10
5/0 x 2/10	59.50 x 33.50	60.50 x 34.50	60.00 x 34.00	54.50 x 28.50	10.79	15
5/0 x 3/0	59.50 x 35.50	60.50 x 36.50	60.00 x 36.00	54.50 x 30.50	11.54	15
5/0 x 3/2	59.50 x 37.50	60.50 x 38.50	60.00 x 38.00	54.50 x 32.50	12.30	15
5/0 x 3/8	59.50 x 43.50	60.50 x 44.50	60.00 x 44.00	54.50 x 38.50	14.57	15
5/0 x 3/10	59.50 x 45.50	60.50 x 46.50	60.00 x 46.00	54.50 x 40.50	15.33	20
5/0 x 4/0	59.50 x 47.50	60.50 x 48.50	60.00 x 48.00	54.50 x 42.50	16.09	20
5/0 x 4/2	59.50 x 49.50	60.50 x 50.50	60.00 x 50.00	54.50 x 44.50	16.84	20
5/0 x 4/4	59.50 x 51.50	60.50 x 52.50	60.00 x 52.00	54.50 x 46.50	17.60	20
5/0 x 4/6	59.50 x 53.50	60.50 x 54.50	60.00 x 54.00	54.50 x 48.50	18.36	20
5/0 x 5/0	59.50 x 59.50	60.50 x 60.50	60.00 x 60.00	54.50 x 54.50	20.63	20
5/0 x 5/2	59.50 x 61.50	60.50 x 62.50	60.00 x 62.00	54.50 x 56.50	21.38	20
5/0 x 5/6	59.50 x 65.50	60.50 x 66.50	60.00 x 66.00	54.50 x 60.50	22.90	20
5/0 x 6/0	59.50 x 71.50	60.50 x 72.50	60.00 x 72.00	54.50 x 66.50	25.17	20
5/0 x 6/2	59.50 x 73.50	60.50 x 74.50	60.00 x 74.00	54.50 x 68.50	25.93	30
5/0 x 6/6	59.50 x 77.50	60.50 x 78.50	60.00 x 78.00	54.50 x 72.50	27.44	30

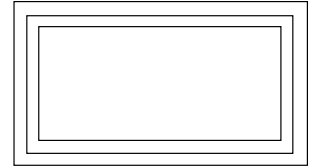
DOUBLE-HUNG PICTURE WINDOW – MODEL 1914



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
5/6 x 1/0	65.50 x 11.50	66.50 x 12.50	66.00 x 12.00	60.50 x 6.50	2.73	6
5/6 x 1/6	65.50 x 17.50	66.50 x 18.50	66.00 x 18.00	60.50 x 12.50	5.25	12
5/6 x 2/0	65.50 x 23.50	66.50 x 24.50	66.00 x 24.00	60.50 x 18.50	7.77	12
5/6 x 2/4	65.50 x 27.50	66.50 x 28.50	66.00 x 28.00	60.50 x 22.50	9.45	12
5/6 x 2/8	65.50 x 31.50	66.50 x 32.50	66.00 x 32.00	60.50 x 26.50	11.13	12
5/6 x 2/10	65.50 x 33.50	66.50 x 34.50	66.00 x 34.00	60.50 x 28.50	11.97	18
5/6 x 3/0	65.50 x 35.50	66.50 x 36.50	66.00 x 36.00	60.50 x 30.50	12.81	18
5/6 x 3/2	65.50 x 37.50	66.50 x 38.50	66.00 x 38.00	60.50 x 32.50	13.65	18
5/6 x 3/8	65.50 x 43.50	66.50 x 44.50	66.00 x 44.00	60.50 x 38.50	16.18	18
5/6 x 3/10	65.50 x 45.50	66.50 x 46.50	66.00 x 46.00	60.50 x 40.50	17.02	24
5/6 x 4/0	65.50 x 47.50	66.50 x 48.50	66.00 x 48.00	60.50 x 42.50	17.86	24
5/6 x 4/2	65.50 x 49.50	66.50 x 50.50	66.00 x 50.00	60.50 x 44.50	18.70	24
5/6 x 4/4	65.50 x 51.50	66.50 x 52.50	66.00 x 52.00	60.50 x 46.50	19.54	24
5/6 x 4/6	65.50 x 53.50	66.50 x 54.50	66.00 x 54.00	60.50 x 48.50	20.38	24
5/6 x 5/0	65.50 x 59.50	66.50 x 60.50	66.00 x 60.00	60.50 x 54.50	22.90	24
5/6 x 5/2	65.50 x 61.50	66.50 x 62.50	66.00 x 62.00	60.50 x 56.50	23.74	24
5/6 x 5/6	65.50 x 65.50	66.50 x 66.50	66.00 x 66.00	60.50 x 60.50	25.42	24
5/6 x 6/0	65.50 x 71.50	66.50 x 72.50	66.00 x 72.00	60.50 x 66.50	27.94	24
5/6 x 6/2	65.50 x 73.50	66.50 x 74.50	66.00 x 74.00	60.50 x 68.50	28.78	36
5/6 x 6/6	65.50 x 77.50	66.50 x 78.50	66.00 x 78.00	60.50 x 72.50	30.46	36
6/0 x 1/0	71.50 x 11.50	72.50 x 12.50	72.00 x 12.00	66.50 x 6.50	3.00	6
6/0 x 1/6	71.50 x 17.50	72.50 x 18.50	72.00 x 18.00	66.50 x 12.50	5.77	12
6/0 x 2/0	71.50 x 23.50	72.50 x 24.50	72.00 x 24.00	66.50 x 18.50	8.54	12
6/0 x 2/4	71.50 x 27.50	72.50 x 28.50	72.00 x 28.00	66.50 x 22.50	10.39	12
6/0 x 2/8	71.50 x 31.50	72.50 x 32.50	72.00 x 32.00	66.50 x 26.50	12.24	12
6/0 x 2/10	71.50 x 33.50	72.50 x 34.50	72.00 x 34.00	66.50 x 28.50	13.16	18
6/0 x 3/0	71.50 x 35.50	72.50 x 36.50	72.00 x 36.00	66.50 x 30.50	14.09	18
6/0 x 3/2	71.50 x 37.50	72.50 x 38.50	72.00 x 38.00	66.50 x 32.50	15.01	18
6/0 x 3/8	71.50 x 43.50	72.50 x 44.50	72.00 x 44.00	66.50 x 38.50	17.78	18
6/0 x 3/10	71.50 x 45.50	72.50 x 46.50	72.00 x 46.00	66.50 x 40.50	18.70	24
6/0 x 4/0	71.50 x 47.50	72.50 x 48.50	72.00 x 48.00	66.50 x 42.50	19.63	24
6/0 x 4/2	71.50 x 49.50	72.50 x 50.50	72.00 x 50.00	66.50 x 44.50	20.55	24
6/0 x 4/4	71.50 x 51.50	72.50 x 52.50	72.00 x 52.00	66.50 x 46.50	21.47	24
6/0 x 4/6	71.50 x 53.50	72.50 x 54.50	72.00 x 54.00	66.50 x 48.50	22.40	24
6/0 x 5/0	71.50 x 59.50	72.50 x 60.50	72.00 x 60.00	66.50 x 54.50	25.17	24
6/0 x 5/2	71.50 x 61.50	72.50 x 62.50	72.00 x 62.00	66.50 x 56.50	26.09	24
6/0 x 5/6	71.50 x 65.50	72.50 x 66.50	72.00 x 66.00	66.50 x 60.50	27.94	24
6/0 x 6/0	71.50 x 71.50	72.50 x 72.50	72.00 x 72.00	66.50 x 66.50	30.71	24
6/0 x 6/2	71.50 x 73.50	72.50 x 74.50	72.00 x 74.00	66.50 x 68.50	31.63	36
6/0 x 6/6	71.50 x 77.50	72.50 x 78.50	72.00 x 78.00	66.50 x 72.50	33.48	36

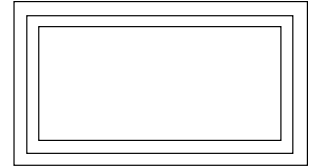
DOUBLE-HUNG PICTURE WINDOW – MODEL 1914



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
6/6 x 1/0	77.50 x 11.50	78.50 x 12.50	78.00 x 12.00	72.50 x 6.50	3.27	7
6/6 x 1/6	77.50 x 17.50	78.50 x 18.50	78.00 x 18.00	72.50 x 12.50	6.29	14
6/6 x 2/0	77.50 x 23.50	78.50 x 24.50	78.00 x 24.00	72.50 x 18.50	9.31	14
6/6 x 2/4	77.50 x 27.50	78.50 x 28.50	78.00 x 28.00	72.50 x 22.50	11.33	14
6/6 x 2/8	77.50 x 31.50	78.50 x 32.50	78.00 x 32.00	72.50 x 26.50	13.34	14
6/6 x 2/10	77.50 x 33.50	78.50 x 34.50	78.00 x 34.00	72.50 x 28.50	14.35	21
6/6 x 3/0	77.50 x 35.50	78.50 x 36.50	78.00 x 36.00	72.50 x 30.50	15.36	21
6/6 x 3/2	77.50 x 37.50	78.50 x 38.50	78.00 x 38.00	72.50 x 32.50	16.36	21
6/6 x 3/8	77.50 x 43.50	78.50 x 44.50	78.00 x 44.00	72.50 x 38.50	19.38	21
6/6 x 3/10	77.50 x 45.50	78.50 x 46.50	78.00 x 46.00	72.50 x 40.50	20.39	28
6/6 x 4/0	77.50 x 47.50	78.50 x 48.50	78.00 x 48.00	72.50 x 42.50	21.40	28
6/6 x 4/2	77.50 x 49.50	78.50 x 50.50	78.00 x 50.00	72.50 x 44.50	22.40	28
6/6 x 4/4	77.50 x 51.50	78.50 x 52.50	78.00 x 52.00	72.50 x 46.50	23.41	28
6/6 x 4/6	77.50 x 53.50	78.50 x 54.50	78.00 x 54.00	72.50 x 48.50	24.42	28
6/6 x 5/0	77.50 x 59.50	78.50 x 60.50	78.00 x 60.00	72.50 x 54.50	27.44	28
6/6 x 5/2	77.50 x 61.50	78.50 x 62.50	78.00 x 62.00	72.50 x 56.50	28.45	28
6/6 x 5/6	77.50 x 65.50	78.50 x 66.50	78.00 x 66.00	72.50 x 60.50	30.46	28
6/6 x 6/0	77.50 x 71.50	78.50 x 72.50	78.00 x 72.00	72.50 x 66.50	33.48	28
7/0 x 1/0	83.50 x 11.50	84.50 x 12.50	84.00 x 12.00	78.50 x 6.50	3.54	7
7/0 x 1/6	83.50 x 17.50	84.50 x 18.50	84.00 x 18.00	78.50 x 12.50	6.81	14
7/0 x 2/0	83.50 x 23.50	84.50 x 24.50	84.00 x 24.00	78.50 x 18.50	10.09	14
7/0 x 2/4	83.50 x 27.50	84.50 x 28.50	84.00 x 28.00	78.50 x 22.50	12.27	14
7/0 x 2/8	83.50 x 31.50	84.50 x 32.50	84.00 x 32.00	78.50 x 26.50	14.45	14
7/0 x 2/10	83.50 x 33.50	84.50 x 34.50	84.00 x 34.00	78.50 x 28.50	15.54	21
7/0 x 3/0	83.50 x 35.50	84.50 x 36.50	84.00 x 36.00	78.50 x 30.50	16.63	21
7/0 x 3/2	83.50 x 37.50	84.50 x 38.50	84.00 x 38.00	78.50 x 32.50	17.72	21
7/0 x 3/8	83.50 x 43.50	84.50 x 44.50	84.00 x 44.00	78.50 x 38.50	20.99	21
7/0 x 3/10	83.50 x 45.50	84.50 x 46.50	84.00 x 46.00	78.50 x 40.50	22.08	28
7/0 x 4/0	83.50 x 47.50	84.50 x 48.50	84.00 x 48.00	78.50 x 42.50	23.17	28
7/0 x 4/2	83.50 x 49.50	84.50 x 50.50	84.00 x 50.00	78.50 x 44.50	24.26	28
7/0 x 4/4	83.50 x 51.50	84.50 x 52.50	84.00 x 52.00	78.50 x 46.50	25.35	28
7/0 x 4/6	83.50 x 53.50	84.50 x 54.50	84.00 x 54.00	78.50 x 48.50	26.44	28

DOUBLE-HUNG PICTURE WINDOW – MODEL 1914



All dimensions in inches.

Call Size	Actual Window Size (Frame TTT)	Exterior Dimension Includes J-Channel	Rough Opening Size	Visible Glass Per Opening	Total Visible Glass Sq. Ft.	Default Colonial Grid Pattern
	Width x Height	Width x Height	Width x Height	Width x Height		
7/6 x 1/0	89.50 x 11.50	90.50 x 12.50	90.00 x 12.00	84.50 x 6.50	3.81	7
7/6 x 1/6	89.50 x 17.50	90.50 x 18.50	90.00 x 18.00	84.50 x 12.50	7.34	14
7/6 x 2/0	89.50 x 23.50	90.50 x 24.50	90.00 x 24.00	84.50 x 18.50	10.86	14
7/6 x 2/4	89.50 x 27.50	90.50 x 28.50	90.00 x 28.00	84.50 x 22.50	13.20	14
7/6 x 2/8	89.50 x 31.50	90.50 x 32.50	90.00 x 32.00	84.50 x 26.50	15.55	14
7/6 x 2/10	89.50 x 33.50	90.50 x 34.50	90.00 x 34.00	84.50 x 28.50	16.72	21
7/6 x 3/0	89.50 x 35.50	90.50 x 36.50	90.00 x 36.00	84.50 x 30.50	17.90	21
7/6 x 3/2	89.50 x 37.50	90.50 x 38.50	90.00 x 38.00	84.50 x 32.50	19.07	21
7/6 x 3/8	89.50 x 43.50	90.50 x 44.50	90.00 x 44.00	84.50 x 38.50	22.59	21
7/6 x 3/10	89.50 x 45.50	90.50 x 46.50	90.00 x 46.00	84.50 x 40.50	23.77	28
7/6 x 4/0	89.50 x 47.50	90.50 x 48.50	90.00 x 48.00	84.50 x 42.50	24.94	28
7/6 x 4/2	89.50 x 49.50	90.50 x 50.50	90.00 x 50.00	84.50 x 44.50	26.11	28
7/6 x 4/4	89.50 x 51.50	90.50 x 52.50	90.00 x 52.00	84.50 x 46.50	27.29	28
7/6 x 4/6	89.50 x 53.50	90.50 x 54.50	90.00 x 54.00	84.50 x 48.50	28.46	28
8/0 x 1/0	95.50 x 11.50	96.50 x 12.50	96.00 x 12.00	90.50 x 6.50	4.09	7
8/0 x 1/6	95.50 x 17.50	96.50 x 18.50	96.00 x 18.00	90.50 x 12.50	7.86	14
8/0 x 2/0	95.50 x 23.50	96.50 x 24.50	96.00 x 24.00	90.50 x 18.50	11.63	14
8/0 x 2/4	95.50 x 27.50	96.50 x 28.50	96.00 x 28.00	90.50 x 22.50	14.14	14
8/0 x 2/8	95.50 x 31.50	96.50 x 32.50	96.00 x 32.00	90.50 x 26.50	16.65	14
8/0 x 2/10	95.50 x 33.50	96.50 x 34.50	96.00 x 34.00	90.50 x 28.50	17.91	21
8/0 x 3/0	95.50 x 35.50	96.50 x 36.50	96.00 x 36.00	90.50 x 30.50	19.17	21
8/0 x 3/2	95.50 x 37.50	96.50 x 38.50	96.00 x 38.00	90.50 x 32.50	20.43	21
8/0 x 3/8	95.50 x 43.50	96.50 x 44.50	96.00 x 44.00	90.50 x 38.50	24.20	21
8/0 x 3/10	95.50 x 45.50	96.50 x 46.50	96.00 x 46.00	90.50 x 40.50	25.45	28
8/0 x 4/0	95.50 x 47.50	96.50 x 48.50	96.00 x 48.00	90.50 x 42.50	26.71	28
8/0 x 4/2	95.50 x 49.50	96.50 x 50.50	96.00 x 50.00	90.50 x 44.50	27.97	28
8/0 x 4/4	95.50 x 51.50	96.50 x 52.50	96.00 x 52.00	90.50 x 46.50	29.22	28
8/0 x 4/6	95.50 x 53.50	96.50 x 54.50	96.00 x 54.00	90.50 x 48.50	30.48	28



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