

SLIDING WINDOW

SPECIAL SIZE FRAME DIMENSIONS

New Construction Frame

2-11/16" Frame Depth – East, West and Florida Regions



XO OR OX VENT UNITS		XOX VENT UNITS		
	WEST MINIMUM 21-1/2" W x 9" H (546 x 229)	EAST MINIMUM (INCLUDING FLORIDA) 21-1/2" W x 14-1/2" H (546 x 368)		
	WEST MAXIMUM 73-1/2" W or 60" H or 40 ft ² (1 867) or (1 524)	EAST MAXIMUM 73" W x 60" H (1 854 x 1 524)		MINIMUM 47-1/2" W x 11-1/2" H (1 207 x 292)
		FLORIDA MAXIMUM 73" W x 62" H (1 854 x 1 575)		WEST MAXIMUM 97-1/2" W x 60" H (2 476 x 1 524)
			FLORIDA MINIMUM 47-1/2" W x 14-1/2" H (1 207 x 368)	
			FLORIDA MAXIMUM 110" W x 62" H (2 743 x 1 575)	

Vent Unit Notes:

XO/OX UNITS:

- Maximum Frame Height ≤ Frame Width x 1.75.

XOX Units:

- Standard vent sash are 1/4 width of frame.
- Special 24" vent sash are available in units ≥ 71-1/2" and < 95-1/2".
- Maximum Frame Height ≤ ((Frame Width/2) x 3.5).

FIXED OVER XO OR OX COMPOSITE UNITS	FIXED OVER XOX COMPOSITE UNITS
MINIMUM 21-1/2"W x 35-1/2"H (546 x 902)	MINIMUM 47-1/2"W x 35-1/2"H (1 207 x 902)
MAXIMUM 73-1/2"W x 95-1/2"H (1 854 x 2 426)	MAXIMUM 97-1/2"W x 95-1/2"H (2 476 x 2 426)

Composite Unit Notes:

- Top Fixed Frame Height: 11-1/2" to 80-1/2".
- Maximum Top Fixed Frame Area ≤ 28 ft².
- Maximum Total Frame Area ≤ 48 ft².
- Units are not AAMA/WDMA performance certified.

Rain Obscure Glass Limitations (West Region Only)

2-11/16" FRAME DEPTH:

- **OX or XO units:** Frame ft² must be ≤ 20.
- **XOX units:** (Frame/4 X FH) ft² must be ≤ 10. Overall frame ≤ 26.6 ft².

- **O/XO or O/OX composites:** (FW/2 X FH of bottom unit)/144 must be ≤ 10 ft². Overall frame ≤ 26.6 ft².
- **O/XOX composites:** (Frame/4 X FH of bottom unit)/144 must be ≤ 10 ft². Overall frame ≤ 26.6 ft².

Miscellaneous Formulas (New Construction, 2-11/16" Frame Depth East Only)

CLEAR OPENING	XO AND OX EQUAL SASH		QUARTER VENT XOX		24" VENT XOX	
	COW = (FW/2) - 3-1/4"		COW = (FW/4) - 2-1/4"		COW = FW - 21-1/2"	
	COH = FH - 3"					
Vent Area Ft ² = (COW x COH) / 144						
ACTUAL GLASS	VENT SASH	FIXED	VENT SASH	FIXED	VENT SASH	FIXED
	AGW = (FW/2) - 2-1/4"	AGW = (FW/2) - 2"	AGW = (FW/4) - 3"	AGW = (FW/2) - 2-1/4"	AGW = 20-7/8"	AGW = (FW - 48) - 2"
VISIBLE GLASS	AGH = FH - 4-5/16"	AGH = FH - 2"	AGH = FH - 4-5/16"	AGH = FH - 2"	AGH = FH - 4-5/16"	AGH = FH - 2"
	VGW = AGW - 1-3/16"	VGW = AGW - 1-5/16"	VGW = AGW - 1-3/16"	VGW = AGW - 1-5/16"	VGW = AGW - 1-3/16"	VGW = AGW - 1-5/16"
	VGH = AGH - 1-1/4"	VGH = AGH - 1-3/8"	VGH = AGH - 1-1/4"	VGH = AGH - 1-3/8"	VGH = AGH - 1-1/4"	VGH = AGH - 1-3/8"

KEY:

AGW = Actual Glass Width
 AGH = Actual Glass Height
 FW = Frame Width

FH = Frame Height
 COW = Clear Opening Width
 COH = Clear Opening Height

VGW = Visible Glass Width
 VGH = Visible Glass Height

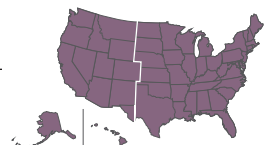
Bronze glass is limited to 22 ft² (glass size)

Rough Opening = Frame Dimension + 1/2"

If glass width/height ratio is > 5:1, then unit must be tempered.

To convert areas to square meters (m²), multiply square feet by 0.0929

Encompass by Pella® vinyl window products are intended only for use less than 40 feet above ground level.



East and West Regions



SLIDING WINDOW

SIZE TABLES
 2-11/16" Frame
 East and West Regions

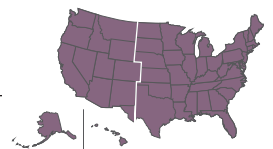


	(610) (597)	(914) (902)	(1 219) (1 207)	(1 524) (1 511)	(1 829) (1 816)
Opening	2' 0"	3' 0"	4' 0"	5' 0"	6' 0"
Frame	23 1/2"	35 1/2"	47 1/2"	59 1/2"	71 1/2"
2' 0"	2-0/2-0	3-0/2-0	4-0/2-0	5-0/2-0	6-0/2-0
2' 6"	2-0/2-6	3-0/2-6	4-0/2-6	5-0/2-6	6-0/2-6 E
3' 0"	2-0/3-0	3-0/3-0	4-0/3-0	5-0/3-0 E	6-0/3-0 E
3' 6"		3-0/3-6	4-0/3-6 E ₁	5-0/3-6 E	6-0/3-6 E
4' 0"		3-0/4-0	4-0/4-0 E	5-0/4-0 E	6-0/4-0 E
4' 6"		3-0/4-6	4-0/4-6 E	5-0/4-6 E	6-0/4-6 E
5' 0"		3-0/5-0	4-0/5-0 E	5-0/5-0 E	6-0/5-0 E

Egress Notes:

Check all applicable local codes for emergency egress requirements.
 E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².
 E₁ = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².
 See Design Data pages in this section for clear opening dimensions.

Not to scale.
 (1) XO units shown also available as OX



East and West Regions



SLIDING WINDOW

SIZE TABLES
 2-11/16" Frame
 East and West Regions



XOX Units¹

	(1 829) (1 816)	(2 134) (2 121)	(2 438) (2 426)
Opening	6' 0"	7' 0"	8' 0"
Frame	71 1/2"	83 1/2"	95 1/2"
(610) (597)	6-0/2-0	7-0/2-0	8-0/2-0
(762) (749)	6-0/2-6	7-0/2-6	8-0/2-6
(914) (902)	6-0/3-0	7-0/3-0	8-0/3-0
(1 067) (1 054)	6-0/3-6	7-0/3-6	8-0/3-6 E
(1 219) (1 207)	6-0/4-0	7-0/4-0	8-0/4-0 E
(1 372) (1 359)	6-0/4-6	7-0/4-6	8-0/4-6 E
(1 524) (1 511)	6-0/5-0	7-0/5-0	8-0/5-0 E

Egress Notes:

Check all applicable local codes for emergency egress requirements.
 E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².
 See Design Data pages in this section for clear opening dimensions.

Not to scale.
 (1) 1/4-Vent shown, 24" vent also available.



East and West Regions



SLIDING WINDOW

SIZE TABLES
 2-11/16" Frame
 East and West Regions



Fixed over XO/OX Composites with Intergral Mullion¹

	(914) (902)	(1 219) (1 207)	(1 524) (1 511)	(1 829) (1 816)
Opening	3' 0"	4' 0"	5' 0"	6' 0"
Frame	35 1/2"	47 1/2"	59 1/2"	71 1/2"

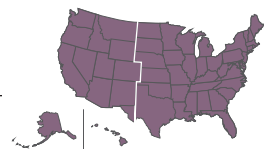
(1 524) (1 511)	5' 0"				
	59 1/2"	3-0/5-0	4-0/5-0	5-0/5-0	6-0/5-0
(1 829) (1 816)	6' 0"				
	71 1/2"	3-0/6-0	4-0/6-0	5-0/6-0	6-0/6-0

Fixed over XOX Composites with Intergral Mullion

	(1 829) (1 816)	(2 134) (2 121)	(2 438) (2 426)
Opening	6' 0"	7' 0"	8' 0"
Frame	71 1/2"	83 1/2"	95 1/2"

(1 524) (1 511)	5' 0"			
	59 1/2"	6-0/5-0	7-0/5-0	8-0/5-0

Not to scale.
 Venting unit frame height is 23-1/2".
 (1) XO units shown also available as OX



East and West Regions



SLIDING WINDOW

SIZE TABLES
2-11/16" Flange Frame
Florida Region Only



XO and OX Units₁

Call Size	H3	2	3	D2
Masonry	27 1/4"	37 3/4"	53 7/8"	74 3/4"
Buck	25 3/4"	36 1/4"	52 3/8"	73 1/4"
Frame	25 1/2"	36"	52 1/8"	73"
Tip to Tip	26 3/4"	37 1/4"	53 3/8"	74 1/4"

2	26 3/4"				
		FL-H32	FL-22	FL-32	FL-D22
3	39 1/8"				
		FL-H33	FL-23	FL-33 E ₁	FL-D23 E
4	51 3/8"				
		FL-H34	FL-24	FL-34 E	FL-D24 E

XOX Units₁

Call Size	3	D2	D3
Masonry	53 7/8"	74 3/4"	107 1/8"
Buck	52 3/8"	73 1/4"	105 5/8"
Frame	52 1/8"	73"	105 3/8"
Tip to Tip	53 3/8"	74 1/4"	106 5/8"

2	26 3/4"			
		FL-32	FL-D22	FL-D32
3	39 1/8"			
		FL-33	FL-D23	FL-D33 E ₁
4	51 3/8"			
		FL-34	FL-D24	FL-D34 E

Egress Notes:

Check all applicable local codes for emergency egress requirements.
 E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².
 E₁ = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².
 See Design Data pages in this section for clear opening dimensions.

Not to scale.
 (1) XO units shown also available as OX
 (2) 1/4-Vent shown, 24" vent also available.



Florida Region Only



SLIDING WINDOW

DESIGN DATA

2-11/16" New Construction and Replacement Frame
East Region Only



XO/OX UNITS - EQUAL VENT

Unit	Egress	Frame (Inches)		Clear Opening (Inches)			Vent Area Ft ²	Visible Glass Ft ²	Standard Glass Thickness (mm)		Performance Class & Grade ¹
		Width	Height	Width	Height	Ft ²			Annealed	Tempered	
2-0/2-0		23-1/2	23-1/2	8-1/2	20-1/2	1.2	1.2	2.2	2.5	3	R35
2-0/2-6		23-1/2	29-1/2	8-1/2	26-1/2	1.6	1.6	2.9	2.5	3	R35
2-0/3-0		23-1/2	35-1/2	8-1/2	32-1/2	1.9	1.9	3.6	2.5	3	R35
3-0/2-0		35-1/2	23-1/2	14-1/2	20-1/2	2.1	2.1	3.8	2.5	3	R35
3-0/2-6		35-1/2	29-1/2	14-1/2	26-1/2	2.7	2.7	5.0	2.5	3	R35
3-0/3-0		35-1/2	35-1/2	14-1/2	32-1/2	3.3	3.3	6.2	2.5	3	R35
3-0/3-6		35-1/2	41-1/2	14-1/2	38-1/2	3.9	3.9	7.4	2.5	3	R30
3-0/4-0		35-1/2	47-1/2	14-1/2	44-1/2	4.5	4.5	8.6	2.5	3	R30
3-0/4-6		35-1/2	53-1/2	14-1/2	50-1/2	5.1	5.1	9.8	2.5	3	R30
3-0/5-0		35-1/2	59-1/2	14-1/2	56-1/2	5.7	5.7	11.0	2.5	3	R30
4-0/2-0		47-1/2	23-1/2	20-1/16	20-1/2	2.9	2.9	5.4	2.5	3	R35
4-0/2-6		47-1/2	29-1/2	20-1/16	26-1/2	3.8	3.8	7.1	2.5	3	R35
4-0/3-0		47-1/2	35-1/2	20-1/16	32-1/2	4.6	4.6	8.8	2.5	3	R35
4-0/3-6	E ₁	47-1/2	41-1/2	20-1/16	38-1/2	5.5	5.5	10.5	2.5	3	R30
4-0/4-0	E	47-1/2	47-1/2	20-1/16	44-1/2	6.3	6.3	12.2	2.5	3	R30
4-0/4-6	E	47-1/2	53-1/2	20-1/16	50-1/2	7.2	7.2	13.9	2.5	3	R30
4-0/5-0	E	47-1/2	59-1/2	20-1/16	56-1/2	8.0	8.0	15.5	2.5	3	R30
5-0/2-0		59-1/2	23-1/2	26-1/16	20-1/2	3.8	3.8	7.0	2.5	3	R35
5-0/2-6		59-1/2	29-1/2	26-1/16	26-1/2	4.9	4.9	9.2	2.5	3	R35
5-0/3-0	E	59-1/2	35-1/2	26-1/16	32-1/2	6.0	6.0	11.4	2.5	3	R35
5-0/3-6	E	59-1/2	41-1/2	26-1/16	38-1/2	7.1	7.1	13.5	2.5	3	R30
5-0/4-0	E	59-1/2	47-1/2	26-1/16	44-1/2	8.2	8.2	15.7	2.5	3	R30
5-0/4-6	E	59-1/2	53-1/2	26-1/16	50-1/2	9.3	9.3	17.9	2.5	3	R30
5-0/5-0	E	59-1/2	59-1/2	26-1/16	56-1/2	10.4	10.4	20.1	2.5	3	R30
6-0/2-0		71-1/2	23-1/2	32-1/16	20-1/2	4.6	4.6	8.5	2.5	3	R35
6-0/2-6	E	71-1/2	29-1/2	32-1/16	26-1/2	6.0	6.0	11.2	2.5	3	R35
6-0/3-0	E	71-1/2	35-1/2	32-1/16	32-1/2	7.3	7.3	13.9	2.5	3	R35
6-0/3-6	E	71-1/2	41-1/2	32-1/16	38-1/2	8.7	8.7	16.6	2.5	3	R30
6-0/4-0	E	71-1/2	47-1/2	32-1/16	44-1/2	10.0	10.0	19.3	2.5	3	R30
6-0/4-6	E	71-1/2	53-1/2	32-1/16	50-1/2	11.4	11.4	22.0	2.5	3	R30
6-0/5-0	E	71-1/2	59-1/2	32-1/16	56-1/2	12.8	12.8	24.7	3	3	R30

Egress Notes:

Check all applicable local codes for emergency egress requirements.
 E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².
 E₁ = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².
 See Design Data pages in this section for clear opening dimensions.

Encompass by Pella® vinyl window products are intended only for use less than 40 feet above ground level.

(1) Maximum performance when glazed with the appropriate glass thickness.
 To convert areas to square meters (m²), multiply square feet by 0.0929.



East Region Only