



SLIDING WINDOW

## SPECIAL SIZE FRAME DIMENSIONS

### Miscellaneous Formulas



		EAST		WEST	
		MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
XO OR OX UNITS		21-1/2" W x 11-1/2" H (546 x 292)	96" W x 62" H (2 438 x 1 575)	21-1/2" W x 11-1/2" H (546 x 292)	96" W x 72" H (2 438 x 1 829)
FIXED OVER XO OR OX UNITS		21-1/2" W x 23-1/2" H (546 x 597)	96" W x 95-1/2" H (2 438 x 2 426)	21-1/2" W x 23-1/2" H (546 x 597)	96" W x 95-1/2" H (2 438 x 2 426)
XOX UNITS		47-1/2" W x 11-1/2" H (1 207 x 292)	108" W x 62" H (2 743 x 1 575)	47-1/2" W x 11-1/2" H (1 207 x 292)	120" W x 72" H (3 048 x 1 829)
FIXED OVER XOX UNITS		47-1/2" W x 23-1/2" H (1 207 x 597)	108" W x 95-1/2" H (2 743 x 2 426)	47-1/2" W x 23-1/2" H (1 207 x 597)	120" W x 95-1/2" H (3 048 x 2 426)

Frame area cannot be greater than 40 Ft<sup>2</sup> on 2-panel dual pane annealed units or greater than 50 Ft<sup>2</sup> on 3-panel dual pane annealed units.

#### General Notes:

##### XO/OX Units:

- Rough Opening = Frame Dimension + 1/2"
- Maximum Frame Height ≤ Frame Width x 1.75
- Bronze glass is limited to 22 Ft<sup>2</sup> (glass size).
- If glass width / height ratio is > 5:1, then unit must be tempered.

##### XOX Units:

- Rough Opening = Frame Dimension + 1/2"
- Sash split options are 1/4 width and 1/3 width of frame
- 1/4 Vent XOX Units: Max frame height ≤ frame width X 0.875
- 1/3 Vent XOX Units: Max frame height ≤ frame width X 1.167
- Bronze glass is limited to 22 Ft<sup>2</sup> (glass size).
- If glass width / height ratio is > 5:1, then unit must be tempered.

### Miscellaneous Formulas

		EQUAL VENT (XO AND OX)		QUARTER VENT (XOX)		THIRD VENT (XOX)	
		Vent	Fixed	Vent	Fixed	Vent	Fixed
ACTUAL GLASS	Height	FH - 5.37	FH - 3.25	FH - 5.37	FH - 3.25	FH - 5.37	FH - 3.25
	Width	(FW - 4.914) / 2	(FW - 4.914) / 2	(FW / 4) - 2.582	(FW / 2) - 1.414	(FW / 3) - 2.539	(FW / 3) - 1.5
VISIBLE GLASS	Height	FH - 6.37	FH - 4.25	FH - 6.37	FH - 4.25	FH - 6.37	FH - 4.25
	Width	AGW - 1	AGW - 1	AGW - 1	AGW - 1	AGW - 1	AGW - 1
CLEAR OPENING <sup>1</sup>	Height	FH - 4.25		FH - 4.25		FH - 4.25	
	Width	(FW / 2) - 4.958		(FW / 4) - 2.813		(FW / 3) - 4.9	

#### KEY:

- AGWW = Actual Glass Width Vent
- AGWF = Actual Glass Width Fixed
- AGHV = Actual Glass Height Vent
- AGHF = Actual Glass Height Fixed
- VGHV = Visible Glass Height Vent
- VGHF = Visible Glass Height Fixed
- VGWV = Visible Glass Width Vent
- VGWF = Visible Glass Width Fixed

(1) Calculated based on standard hardware.  
To convert areas to square meters (m<sup>2</sup>), multiply square feet by 0.0929



East and West Regions
















































SLIDING WINDOW

## SIZE TABLES

### Vent-Fixed Units (XO)



#### Vent-Fixed Units (XO)

	(610) (597)	(914) (902)	(1 219) (1 207)	(1 372) (1 359)	(1 524) (1 511)	(1 829) (1 816)	(1 981) (1 969)
Opening	2' 0"	3' 0"	4' 0"	4' 6"	5' 0"	6' 0"	6' 6"
Frame	23 1/2"	35 1/2"	47 1/2"	53 1/2"	59 1/2"	71 1/2"	77 1/2"
(610) (597)	 2-0/2-0	 3-0/2-0	 4-0/2-0	 4-6/2-0	 5-0/2-0	 6-0/2-0	 6-6/2-0
(762) (749)	 2-0/2-6	 3-0/2-6	 4-0/2-6	 4-6/2-6	 5-0/2-6	 6-0/2-6 E1	 6-6/2-6 E
(914) (902)	 2-0/3-0	 3-0/3-0	 4-0/3-0	 4-6/3-0	 5-0/3-0 E1	 6-0/3-0 E	 6-6/3-0 E
(1 067) (1 054)		 3-0/3-6	 4-0/3-6	 4-6/3-6 E1	 5-0/3-6 E	 6-0/3-6 E	 6-6/3-6 E
(1 219) (1 207)		 3-0/4-0	 4-0/4-0	 4-6/4-0 E	 5-0/4-0 E	 6-0/4-0 E	 6-6/4-0 E
(1 372) (1 359)		 3-0/4-6	 4-0/4-6	 4-6/4-6 E	 5-0/4-6 E	 6-0/4-6 E	 6-6/4-6 E
(1 524) (1 511)		 3-0/5-0	 4-0/5-0	 4-6/5-0 E	 5-0/5-0 E	 6-0/5-0 E	 6-6/5-0 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 ft<sup>2</sup>.
- E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft<sup>2</sup>.

See Design Data pages in this section for clear opening dimensions.

Not to scale.  
XO units shown also available as OX



SLIDING WINDOW

SIZE TABLES

Vent-Fixed-Vent Units (XOX)  
One Third Vent Units



Vent-Fixed-Vent Units (XOX)

	(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) (762) (914) (1 067) (1 219) (1 372) (1 524)	2' 0"	2' 6"	3' 0"
(610) (762) (914) (1 067) (1 219) (1 372) (1 524)	23 1/2"	29 1/2"	35 1/2"
(610) (762) (914) (1 067) (1 219) (1 372) (1 524)	41 1/2"	47 1/2"	53 1/2"
(610) (762) (914) (1 067) (1 219) (1 372) (1 524)	4' 0"	4' 6"	5' 0"
(610) (762) (914) (1 067) (1 219) (1 372) (1 524)	6-0/2-0	7-0/2-0	8-0/2-0
(610) (762) (914) (1 067) (1 219) (1 372) (1 524)	6-0/2-6	7-0/2-6	8-0/2-6
(610) (762) (914) (1 067) (1 219) (1 372) (1 524)	6-0/3-0	7-0/3-0	8-0/3-0 E
(610) (762) (914) (1 067) (1 219) (1 372) (1 524)	6-0/3-6	7-0/3-6 E	8-0/3-6 E
(610) (762) (914) (1 067) (1 219) (1 372) (1 524)	6-0/4-0	7-0/4-0 E	8-0/4-0 E
(610) (762) (914) (1 067) (1 219) (1 372) (1 524)	6-0/4-6	7-0/4-6 E	8-0/4-6 E
(610) (762) (914) (1 067) (1 219) (1 372) (1 524)	6-0/5-0	7-0/5-0 E	8-0/5-0 E

Egress Notes:

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E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft<sup>2</sup>.

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft<sup>2</sup>.

See Design Data pages in this section for clear opening dimensions.

Not to scale.



SLIDING WINDOW

SIZE TABLES

Vent-Fixed-Vent Units (XOX)

Quarter Vent Units



Vent-Fixed-Vent Units (XOX)

	(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 <sub>1</sub>
(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
	2' 0"	2' 6"	3' 0"
	23 1/2"	29 1/2"	35 1/2"
	41 1/2"	47 1/2"	53 1/2"
	59 1/2"		

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 ft<sup>2</sup>.

E<sub>1</sub> = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft<sup>2</sup>.

See Design Data pages in this section for clear opening dimensions.