

451/461 2 and 3-Lite Sliding Window

Features:

- Beautiful, true brick mould exterior frame perimeter
- Aluminum-reinforced lock rail and meeting rails add strength
- Integrated glide rail allows easy sash opening and closing
- Available in XO or OX configurations
- Tandem rollers ride easily along friction free glide channel
- Integrated J-channel
(Series 461 available without J-channel)
- Insulated glass panels featuring warm-edge spacer system
- Half screen comes standard
- Charcoal fiberglass mesh screen
- Jamb depth: 3.868"
- Limited lifetime warranty

Custom Options:

- Low-E Glass
- Low-E Glass + Argon Gas
- Ultra Low-E Glass + Argon Gas
- 5/8" or 3/4" flat, 5/8" or 1" contoured,
1 1/8" simulated divided lite (SDL),
5/8" contoured valance grids available
- Paintable or stainable wood jamb extensions
(4 9/16" and 6 9/16")
- Brass or brushed nickel locks
- Charcoal aluminum mesh screen
- Nine Exterior Painted Colors (white interior only)
- Custom sizes available

Product Performance:

AAMA 101 Results:

Window Size	AAMA Rating (psf)	Air (cfm/ft ²)	Water (psf)
70" x 49"	HS-R25	0.14	3.76

Product Dimensions:

Vinyl Wall Thickness:	0.065"
Glass Thickness:	0.750"
Jamb Depth:	3.250"
Nail Fin Setback:	2.1875"

Rough Opening:

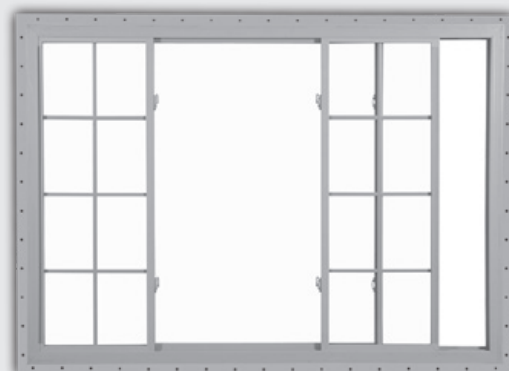
Window Width + 1/2"
Window Height + 1/2"

2-Lite Slider Size Restrictions:

	Min:	Max:
Width	23 1/8"	83 1/8"
Height	17 3/4"	73 1/4"
(Max. United Inches 132")		

3-Lite Slider Size Restrictions:

	Min:	Max:
Width	60"	120"
Height	17 3/4"	73 1/4"
Width restrictions for 1/3, 1/3, 1/3 configuration:		
	54"	90"
(Max. United Inches 158")		



451/461 2 and 3-Lite Sliding Window

Egress Formulas:

Egress Width $\geq 20"$ and Egress Height $\geq 24"$ and Egress Area ≥ 5.7 ft² required to meet egress.

Egress Width Formula = (Window Width/2) – 5.5625" (XX)
(Window Width/3) – 5.6875" (XOX 1/3 1/3 1/3)
(Window Width/4) – 2.5625" (XOX 1/4 1/2 1/4)

Egress Height Formula = Window Height – 5.375"

Egress Area Formula = (Egress Width x Egress Height)/144

Screen Formulas:

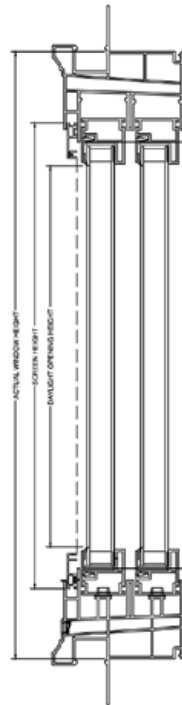
(Window Width/2) – 2.125" (1/3, 1/3, 1/3)

(Window Width .3333) – 1.5" (1/4, 1/2, 1/4)

(Window Width/4) – 1.375"

Window Height – 4.25"

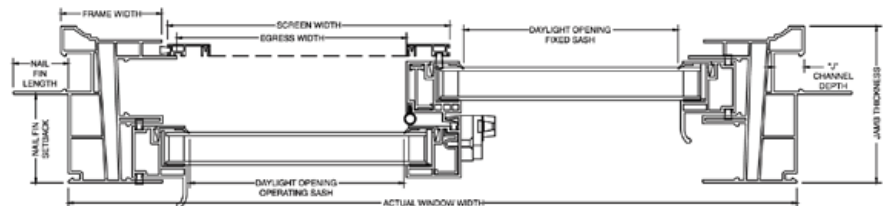
Series
451
Vertical
Diagram



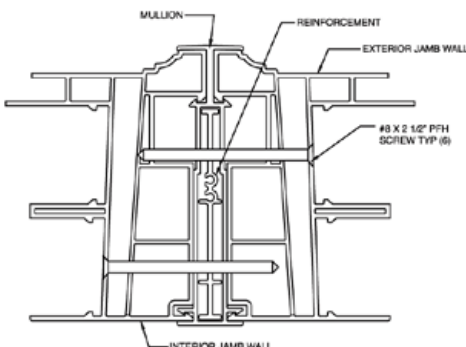
Series
461
Vertical
Diagram



Series 451 Horizontal Diagram



Mullion Assembly:



Series 461 Horizontal Diagram

