

150/160 Single Hung Window

Features:

- Beautiful, true brick mould exterior frame perimeter
- Bottom sash tilts in for easy cleaning
- DP Rating R50 (window size tested 36 x 74)
- Integrated J-channel (Series 160 available without J-channel)
- Pre-punched nail fin makes installation simple
- Insulated glass panels with optimum thermal air space featuring warm-edge spacer system
- Block and tackle balance system
- Half screen comes standard
- Charcoal fiberglass mesh screen
- Jamb depth: 3.277"
- 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
- Factory mulling of twins, triples and architectural shapes
- Paintable or stainable wood jamb extensions (4 9/16" and 6 9/16")
- Charcoal aluminum mesh screen
- Window Opening Control Device (for fall prevention)
- Nine Exterior Painted Colors (white interior only)
- Almond and Clay Colors
- Black Exterior Laminate
- Custom sizes available

Product Performance:

AAMA 101 Results:

Window Size	AAMA Rating (psf)	Air (cfm/ft ²)	Water (psf)
36" x 74" (SH/DW)	HR-50	0.26	7.50
48" x 96" (SH/DW)	HR-30	0.26	7.50
108" x 74" (TRHP)	HR-50	0.03	7.52
108" x 74" (TR)	HR-30	0.15	7.52
72" x 72" (PW/HR/FR/OC/SS)	FR-50	0.01	7.52

Product Dimensions:

Vinyl Wall Thickness:	0.065"
Typ. Glass Thickness:	0.750"
Jamb Depth:	3.277"
Mullion Adder:	0.500"
Nail Fin Setback:	1.5"

Rough Opening:

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

Size Restrictions:

	Min:	Max:
Width	16 7/8"	51 3/4"
Height	23 1/2"	89 3/4"
(Max. United Inches 132")		



150/160 Single Hung Window

Egress Formulas:

Egress Width $\geq 20"$ and Egress Height $\geq 24"$ and Egress Area $\geq 5.7 \text{ ft}^2$ required to meet egress.

Egress Width Formula = Window Width - 4.8125"

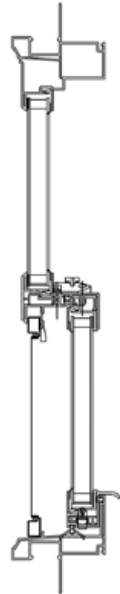
Egress Height Formula = (Window Height/2) - 3.5625"

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

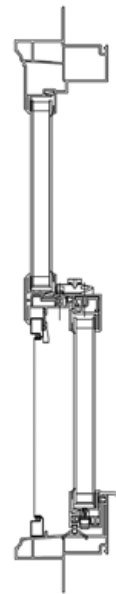
Screen Formulas:

Window Width - 3.8125"

(Window Height/2) - 1.25"

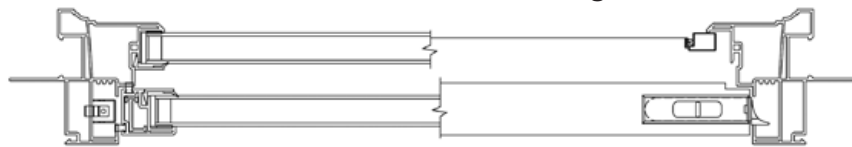


**Series
150
Vertical
Diagram**

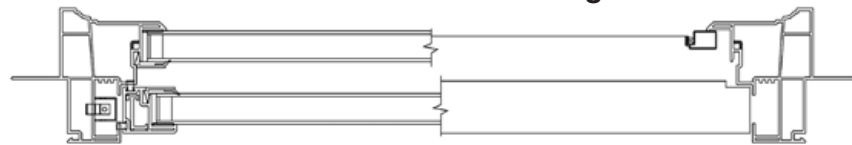


**Series
160
Vertical
Diagram**

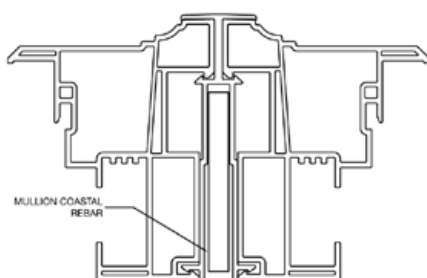
Series 150 Horizontal Diagram



Series 160 Horizontal Diagram



Series 150 Mullion Assembly:



Series 160 Mullion Assembly:

