

Available Finishes:

- White & Bronze

Standard Glass Colors:

- Clear, Gray, Dark Gray (Turtle Code), Bronze, Solexia Green, Azuria Blue, White Interlayer, Mist (Pattern 62), Rain

Glass Types:

- 5/16" Laminated
- 3/4" Insulated Laminated

Glass Coatings:

- Energy efficient LoE options

Standard Hardware:

- Single Stainless Steel arm roto operator and nesting crank handle
- Stainless steel operator track
- Pair of stainless steel four bar concealed hinges
- Pair of locks (one lock on window under 30" high)
- Pair of stainless steel keepers for above locks
- Snubber blocks
- Small operator on units less than 24", Large operator on units 24" or more

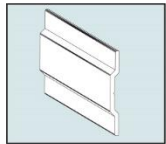
Standard Features:

- Extruded screen frame with Super-View™ mesh
- Extruded snap-on square glazing beads
- Stainless steel assembly screws and corner keys
- Double weatherstripping
- 1/2" Exterior flange frame
- 2" Deep frame

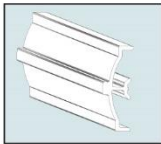
Optional Items:

- Connecting lock bar for egress windows
- Custodial type locks (for institutional use)
- Limit Opening Devices
- Hinges with washability feature (for high-rise use)
- Equal leg frame

Optional Muntins:



Low Profile



Semi-Contoured (exterior only)

Glass Types:



Laminated Glass



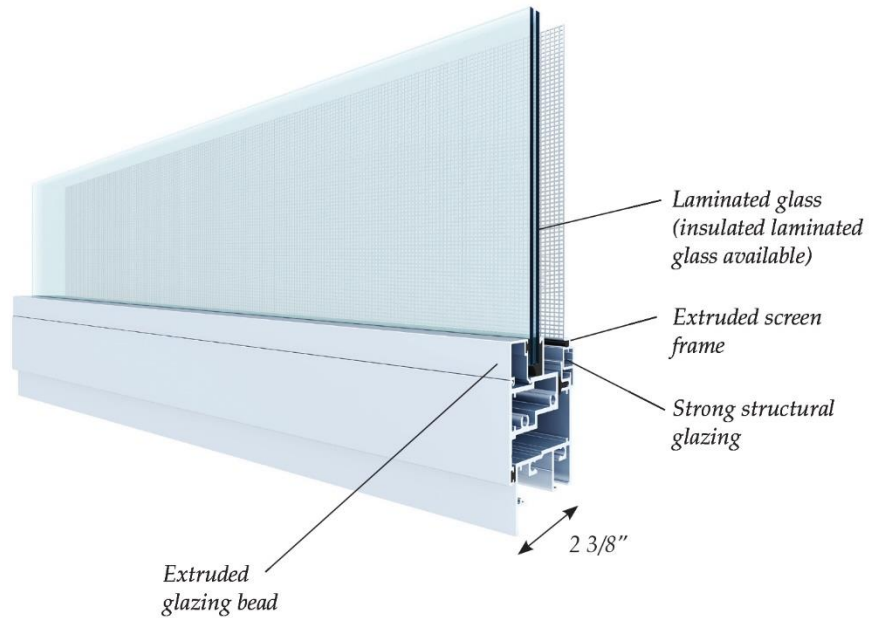
Insulated Laminated Glass

Sentinel Casement Window 238SN

Stainless steel package comes standard including operator and hinges complementing the attractive architectural sightlines.



Opens outward from the side



Sentinel Casement Window 238SN

Commodity Sizes (In inches)

Width	Height	Width	Height	Width	Height
19 1/8	17	26 1/2	17	37	17
19 1/8	26	26 1/2	26	37	26
19 1/8	38 3/8	26 1/2	38 3/8	37	38 3/8 e
19 1/8	50 5/8	26 1/2	50 5/8 e	37	50 5/8 e
19 1/8	63	26 1/2	63 e	37	63 e
19 1/8	72	26 1/2	72 e		

e=Meets clear opening egress requirements at 5.7 sq. ft.

Custom Sizes (In inches)

Width		Height	
Minimum available	18	Minimum available	17
Maximum available	42	Maximum available	84

Maximum over-all window area is 16.34 sq ft

Modular Sizes (In inches)

Width	Height	Width	Height	Width	Height	Width	Height	Width	Height	Width	Height
20	24	24	24	28	24	30	24	32	24	36	24
20	30	24	30	28	30	30	30	32	30	36	30
20	36	24	36	28	36	30	36	32	36	36	36 e
20	42	24	42	28	42	30	42 e	32	42 e	36	42 e
20	48	24	48	28	48 e	30	48 e	32	48 e	36	48 e
20	54	24	54	28	54 e	30	54 e	32	54 e	36	54 e
20	60	24	60	28	60 e	30	60 e	32	60 e	36	60 e
20	66	24	66	28	66 e	30	66 e	32	66 e		
20	72	24	72	28	72 e	30	72 e	32	72 e		
20	78	24	78	28	78 e						
20	84	24	84								

e=Meets clear opening egress requirements at 5.7 sq. ft.

Performance Results

Maximum Water Resistance		16.5 PSF
Large Missile	20" x 36" window (Ann/Ann Glass)	+110/-194.3 PSF
	37" x 63" window (Ann/Ann Glass)	+/-60 PSF
Forced Entry Test (AAMA 1302.5)		Passed

Energy Values (NFRC Approved)

Laminated		U Factor	SHGC	VT
5/16"	Gray	1.03	0.44	.40
5/16"	Clear	1.03	0.53	.59
Insulated Laminated				
3/4"	Clear LoE 366	0.63	0.21	.42
3/4"	Clear LoE 270	0.63	0.27	.46