



Product Selection Guide

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Document Navigation Tips:

Items listed in the table of contents above are active links that will take you to the corresponding page.

The company logo on each page is a link back to this table of contents.

Bookmarks are also included in this PDF document and are available as an additional navigation option.

Supporting documents for this product:

- Test Reports:
- https://media.pella.com/professional/adm/CertificationReports/Test_Reports_Vinyl-250.pdf?utm_source=pdfdoc
- CSI Specs (readable using Microsoft Word or other text editing application):
- https://media.pella.com/professional/adm/Vinyl250-CSI_Specs/08_53_13_AW-250.rtf?utm_source=pdfdoc
- Detailed Product Description (readable using Microsoft Word or other text editing application):
- https://media.pella.com/professional/adm/Vinyl250/V_250AW_DPD.rtf?utm_source=pdfdoc
- Size Tables (requires appropriate CAD software to read and use):
- https://media.pella.com/professional/adm/Vinyl250/V250-AW-Elev_D.dwg?utm_source=pdfdoc
- CAD cross sections (requires appropriate CAD software to read and use):
- https://media.pella.com/professional/adm/Vinyl250/V250%20-AW-Detail_D.dwg?utm_source=pdfdoc
- 3D & BIM (requires appropriate software to read and use):
- https://media.pella.com/professional/adm/RevitFiles/250-Revit/Window-Awning-Pella-250_Series.zip?utm_source=pdfdoc
- Combination Recommendations:
- https://media.pella.com/professional/adm/Vinyl250/V250_Combo.pdf?utm_source=pdfdoc
- Installation Details:
- https://media.pella.com/professional/adm/Vinyl250/V250-InstallDetails.pdf?utm_source=pdfdoc

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250 Series Awning

Performance Data

	Awning
Sizes	
Standard Sizes	S
Special Sizes Available Built on 1/8" Increments	O
Frames	
Nail Fin	O
Nail Fin with J-Channel	O
Nail Fin with Flat Casing (Northeast region only)	O
3-1/4" Block Pocket Install / Replacement	S
Double Wall Flush Flange (West Region Only)	O
Integral 5/8" Flange	O
Performance₁	
Standard Performance	
Meets or Exceeds AAMA/WDMA Ratings	LC-PG35 AAMA Certified
Air Infiltration (cfm/ft ² of frame @ 1.57 psf wind pressure.)	0.10
Design Pressure	35 psf
Water Penetration Resistance	7.5 psf
Performance Upgrade	
Meets or Exceeds AAMA/WDMA Ratings	LC-PG50 AAMA Certified
Air Infiltration (cfm/ft ² of frame @ 1.57 psf wind pressure.)	0.10
Design Pressure	50 psf
Water Penetration Resistance	7.5 psf
Nail Fin with Flat Casing (Northeast Region Only)	
Meets or Exceeds AAMA/WDMA Ratings	R-PG15 – R-PG35 AAMA Certified
Air Infiltration (cfm/ft ² of frame @ 1.57 psf wind pressure.)	0.13
Design Pressure	15 psf
Water Penetration Resistance	5.43 psf
Other Performance Criteria	
Forced Entry Resistance (Minimum Security Grade) ₂	10
Maximum Operating Force (lbs) (Initiate Motion / Maintain Motion)	15/6

Sound Transmission Class and Outdoor-Indoor Transmission Class

Frame Size Tested ₃	Glazing System				STC Rating	OITC Rating
	Overall Glazing Thickness	Exterior Glass Thickness	Interior Glass Thickness	Third Pane Thickness		
Awning – Dual-Pane Insulating Glass						
Vent 59" x 23-1/2"	3/4"	3mm	3mm	—	30	25
Fixed 59" x 47-1/4"	3/4"	3mm	3mm	—	28	24
Awning – Triple-Pane Insulating Glass						
Vent 59" x 23-1/2"	1"	3mm	3mm	3mm	34	28

S = Standard; O = Optional; (—) = Not Available

(1) Published performance data is for single unit only. See Design Data pages in this section for specific product performance class and grade values.

(2) The higher the level, the greater the product's ability to resist forced entry.

(3) ASTM E 1425 defines standard sizes for acoustical testing. Ratings achieved at that size are representative of all sizes of the same configuration. The presence of low-e or argon have negligible effect on sound attenuation characteristics.



250 Series Awning

Features and Options

	Awning
Glazing (Insulating Glass)	
Glazing Type	
Dual-pane insulating glass	S
Triple-pane insulating glass	O
Insulated Glass Options / Low-E Types	
Advanced Low-E	S
NaturalSun Low-E	O
NaturalSun+ Low-E ₁	O
SunDefense™ Low-E ₁	O
SunDefense+ Low-E ₁	O
Additional Glazing Options	
Annealed glass	S
Tempered glass	O
Bronze-tinted Advanced Low-E ₁	O
Obscure glass ₂	O
Gas Fill / High Altitude	
Argon	S
High altitude	O
High altitude with argon ₁	O
Sash	
Foam Insulation	O
Performance Upgrade	O
Interior / Exterior Color	
White Interior/White Exterior	S
Almond Interior/Almond Exterior	O
Fossil Interior/Fossil Exterior	O
White Interior/Brown Exterior ₃	O
White Interior/Black Exterior ₃	O

	Awning
Hardware	
Color matched hardware	S
Screens	
InView™ flat screen	S
Grilles	
Grilles-Between-the-Glass	
3/4" Contour	O
5/8" Flat ₁	O
Grille Patterns: Traditional, Prairie, Top Row, Custom - Equally Divided	O

S = Standard; O = Optional

(1) Not available with triple-pane glazing.

(2) Contact your local sales representative for current offering.

(3) Not available at launch for Nail Fin with flat casing option, contact your local sales representative for current offering.



250 Series Awning

Glazing Performance - Total Unit

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR Performance Criteria in Zones Shown							
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂			
										Zone				ER	Zone		
Vent — Dual-Pane 3mm Glass										N	NC	SC	S	CA			
3/4"	Advanced Low-E IG	PEL-A-288-00150-00001	3	3	Air	0.30	0.25	0.46	55								
	with grilles-between-the-glass	PEL-A-288-00150-00002				0.30	0.23	0.42	55				S				
3/4"	Advanced Low-E IG	PEL-A-288-00155-00001	3	3	Argon	0.27	0.25	0.46	59								
	with grilles-between-the-glass	PEL-A-288-00155-00001				0.27	0.23	0.42	59			SC	S				
3/4"	NaturalSun Low-E IG	PEL-A-288-00149-00001	3	3	Air	0.30	0.43	0.52	54								
	with grilles-between-the-glass	PEL-A-288-00149-00002				0.30	0.39	0.47	54								
3/4"	NaturalSun Low-E IG	PEL-A-288-00153-00001	3	3	Argon	0.28	0.43	0.52	58								
	with grilles-between-the-glass	PEL-A-288-00153-00002				0.28	0.39	0.47	58								
3/4"	NaturalSun+ Low-E IG	PEL-A-288-00154-00001	3	3	Argon	0.24	0.42	0.51	45	N				34	CA		
	with grilles-between-the-glass	PEL-A-288-00154-00002				0.24	0.38	0.46	45	N	NC						
3/4"	SunDefense™ Low-E IG	PEL-A-288-00152-00001	3	3	Air	0.29	0.19	0.43	55					S			
	with grilles-between-the-glass	PEL-A-288-00152-00002				0.29	0.17	0.38	55					S			
3/4"	SunDefense Low-E IG	PEL-A-288-00157-00001	3	3	Argon	0.26	0.18	0.43	59				SC	S			
	with grilles-between-the-glass	PEL-A-288-00157-00002				0.26	0.17	0.39	59				SC	S			
3/4"	SunDefense+ Low-E IG	PEL-A-288-00285-00001	3	3	Argon	0.24	0.18	0.42	46		NC	SC	S				
	with grilles-between-the-glass	PEL-A-288-00285-00002				0.24	0.17	0.38	46		NC	SC	S				
Vent — Dual-Pane 3mm Glass with Foam Insulation																	
3/4"	Advanced Low-E IG	PEL-A-288-00219-00001	3	3	Air	0.29	0.25	0.46	55								
	with grilles-between-the-glass	PEL-A-288-00219-00002				0.29	0.23	0.42	55					S			
3/4"	Advanced Low-E IG	PEL-A-288-00224-00001	3	3	Argon	0.26	0.25	0.46	59								
	with grilles-between-the-glass	PEL-A-288-00224-00002				0.26	0.23	0.42	59				SC	S			
3/4"	NaturalSun Low-E IG	PEL-A-288-00149-00001	3	3	Air	0.30	0.43	0.52	54								
	with grilles-between-the-glass	PEL-A-288-00149-00002				0.30	0.39	0.47	54								
3/4"	NaturalSun Low-E IG	PEL-A-288-00153-00001	3	3	Argon	0.28	0.43	0.52	58								
	with grilles-between-the-glass	PEL-A-288-00153-00002				0.28	0.39	0.47	58								
3/4"	NaturalSun+ Low-E IG	PEL-A-288-00223-00001	3	3	Argon	0.24	0.42	0.51	46	N				34	CA		
	with grilles-between-the-glass	PEL-A-288-00223-00002				0.24	0.38	0.46	46	N	NC						
3/4"	SunDefense™ Low-E IG	PEL-A-288-00152-00001	3	3	Air	0.29	0.19	0.43	55					S			
	with grilles-between-the-glass	PEL-A-288-00152-00002				0.29	0.17	0.39	55					S			
3/4"	SunDefense Low-E IG	PEL-A-288-00157-00001	3	3	Argon	0.26	0.18	0.43	59				SC	S			
	with grilles-between-the-glass	PEL-A-288-00157-00002				0.26	0.17	0.39	59				SC	S			
3/4"	SunDefense+ Low-E IG	PEL-A-288-00292-00001	3	3	Argon	0.24	0.18	0.42	46		NC	SC	S				
	with grilles-between-the-glass	PEL-A-288-00292-00002				0.24	0.17	0.38	46		NC	SC	S				
Vent — Dual-Pane 3mm Glass Tinted Glazing										N	NC	SC	S	CA			
3/4"	Bronze Advanced Low-E IG	PEL-A-288-00151-00001	3	3	Air	0.30	0.25	0.34	55								
	with grilles-between-the-glass	PEL-A-288-00151-00002				0.30	0.23	0.31	55					S			
3/4"	Bronze Advanced Low-E IG	PEL-A-288-00156-00001	3	3	Argon	0.27	0.25	0.34	59								
	with grilles-between-the-glass	PEL-A-288-00156-00002				0.27	0.22	0.31	59				SC	S			
Vent — 3mm Glass Tinted Glazing with Foam Insulation																	
3/4"	Bronze Advanced Low-E IG	PEL-A-288-00220-00001	3	3	Air	0.29	0.25	0.34	55								
	with grilles-between-the-glass	PEL-A-288-00220-00002				0.29	0.23	0.31	55					S			
3/4"	Bronze Advanced Low-E IG	PEL-A-288-00225-00001	3	3	Argon	0.26	0.25	0.34	59								
	with grilles-between-the-glass	PEL-A-288-00225-00002				0.26	0.22	0.31	59				SC	S			

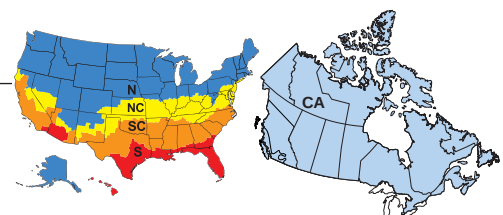
R-Value = 1/U-Factor, SHGC = Solar Heat Gain Coefficient, VLT % = Visible Light Transmission, CR = Condensation Resistance, ER = Canadian Energy Rating

(1) Glazing performance values are calculated based on NFRC 100, NFRC 200 and NFRC 500. ENERGY STAR® values are updated to 2023 (Version 7) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

Based on unit size, some products will use 2.5mm glass that may have improved glazing performance from what is shown.

Visit www.energystar.gov for Energy Star guidelines.





250 Series Awning

Glazing Performance - Total Unit

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)			Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Middle	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂	
											Zone				ER	Zone
Vent — Triple-Pane 3mm Glass											N	NC	SC	S		CA
1"	Advanced Low-E Triple-pane IG	PEL-A-288-00195-00001	3	3	3	Air	0.24	0.21	0.36	65		NC	SC	S		
	with Grilles-between-the-glass	PEL-A-288-00208-00001					0.24	0.19	0.32	65		NC	SC	S		
1"	Advanced Low-E Triple-pane IG	PEL-A-288-00197-00001	3	3	3	Argon	0.21	0.21	0.36	68	N	NC	SC	S	26	CA
	with Grilles-between-the-glass	PEL-A-288-00210-00001					0.21	0.19	0.32	68	N	NC	SC	S	25	CA
1"	NaturalSun Low-E Triple-pane IG	PEL-A-288-00194-00001	3	3	3	Air	0.24	0.37	0.46	64	N	NC				
	with Grilles-between-the-glass	PEL-A-288-00207-00001					0.25	0.34	0.41	64		NC				
1"	NaturalSun Low-E Triple-pane IG	PEL-A-288-00196-00001	3	3	3	Argon	0.22	0.38	0.46	68	N	NC			34	CA
	with Grilles-between-the-glass	PEL-A-288-00209-00001					0.22	0.34	0.42	68	N	NC				
Vent — Triple-Pane 3mm Glass with Foam Insulation																
1"	Advanced Low-E Triple-pane IG	PEL-A-288-00264-00001	3	3	3	Air	0.24	0.21	0.36	65		NC	SC	S		
	with Grilles-between-the-glass	PEL-A-288-00279-00001					0.24	0.19	0.32	65		NC	SC	S		
1"	Advanced Low-E Triple-pane IG	PEL-A-288-00266-00001	3	3	3	Argon	0.20	0.21	0.36	68	N	NC	SC	S	27	CA
	with Grilles-between-the-glass	PEL-A-288-00281-00001					0.21	0.19	0.32	68	N	NC	SC	S	25	CA
1"	NaturalSun Low-E Triple-pane IG	PEL-A-288-00263-00001	3	3	3	Air	0.24	0.37	0.46	64	N	NC				
	with Grilles-between-the-glass	PEL-A-288-00278-00001					0.24	0.34	0.42	64		NC				
1"	NaturalSun Low-E Triple-pane IG	PEL-A-288-00265-00001	3	3	3	Argon	0.21	0.38	0.46	68	N	NC			36	CA
	with Grilles-between-the-glass	PEL-A-288-00280-00001					0.21	0.34	0.42	68	N	NC			33	CA

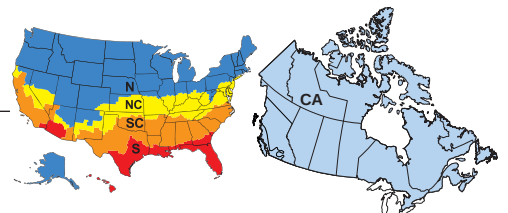
R-Value = 1/U-Factor
 SHGC = Solar Heat Gain Coefficient
 VLT % = Visible Light Transmission
 CR = Condensation Resistance
 ER = Canadian Energy Rating

(1) Glazing performance values are calculated based on NFRC 100, NFRC 200 and NFRC 500. ENERGY STAR® values are updated to 2023 (Version 7) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative.

Based on unit size, some products will use 2.5mm glass that may have improved glazing performance from what is shown.

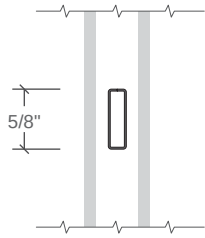
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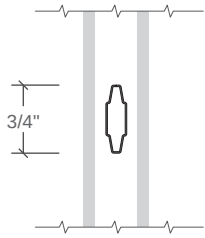


Grille Profiles

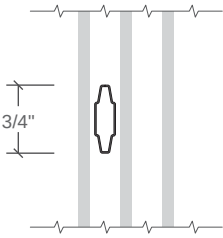
Grilles-Between-the-Glass



5/8" Flat



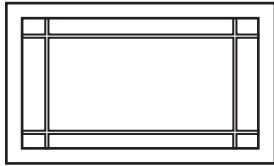
3/4" Contour



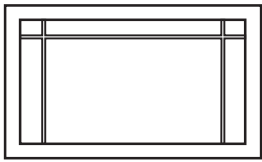
3/4" Contour

Grille Patterns

Prairie Lite Patterns



9-Lite Prairie

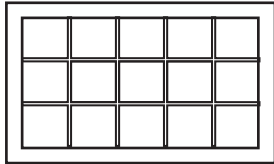


6-Lite Prairie

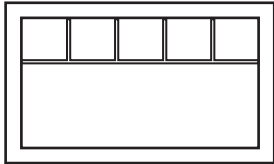
Prairie

- Approximately 4" from edge of sash to center of bar.
- Minimum actual glass is 13".

Other Available Patterns



Traditional



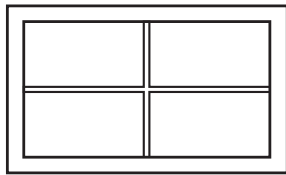
Top Row

Traditional

- Specify number of lites.
- Grilles must be equally divided on visible glass.
- Minimum 6" x 6".

Top Row

- Standard visible glass to separator bar must be $\leq 1/2$ upper actual glass.



Custom — Equally Divided

For traditional patterns, see size tables.



250 Series Awning

Size Tables - Vent

		(419) (406)	(457) (445)	(610) (597)	(711) (699)	(762) (749)	(813) (800)	(914) (902)	(1 219) (1 207)	(1 372) (1 359)	(1 524) (1 511)
Opening		1' 4 1/2"	1' 6"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	4' 0"	4' 6"	5' 0"
Frame		16"	17 1/2"	23 1/2"	27 1/2"	29 1/2"	31 1/2"	35 1/2"	47 1/2"	53 1/2"	59 1/2"
(381) (368)	1' 3"	 1-4/1-3	 1-6/1-3	 2-0/1-3	 2-4/1-3	 2-6/1-3	 2-8/1-3	 3-0/1-3	 4-0/1-3	 4-6/1-3	 5-0/1-3
	1' 6"		 1-6/1-6	 2-0/1-6	 2-4/1-6	 2-6/1-6	 2-8/1-6	 3-0/1-6	 4-0/1-6	 4-6/1-6	 5-0/1-6
	2' 0"			 2-0/2-0	 2-4/2-0	 2-6/2-0	 2-8/2-0	 3-0/2-0	 4-0/2-0	 4-6/2-0	 5-0/2-0
	2' 4"				 2-4/2-4	 2-6/2-4	 2-8/2-4	 3-0/2-4	 4-0/2-4	 4-6/2-4	 5-0/2-4
	2' 6"					 2-6/2-6	 2-8/2-6	 3-0/2-6	 4-0/2-6	 4-6/2-6	 5-0/2-6
	2' 8"						 2-8/2-8	 3-0/2-8	 4-0/2-8	 4-6/2-8	 5-0/2-8
	3' 0"							 3-0/3-0	 4-0/3-0	 4-6/3-0	 5-0/3-0
	3' 6"								 4-0/3-6	 4-6/3-6	 5-0/3-6
	3' 8"								 4-0/3-8	 4-6/3-8	 5-0/3-8
	43 1/2"										

Not to scale.



250 Series Awning

Size Tables - Fixed

	(419) (406)	(457) (445)	(610) (597)	(711) (699)	(762) (749)	(813) (800)	(914) (902)	(1 219) (1 207)	(1 372) (1 359)	(1 524) (1 511)	(1 829) (1 816)
Opening	1' 4 1/2"	1' 6"	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	4' 0"	4' 6"	5' 0"	6' 0"
Frame	16"	17 1/2"	23 1/2"	27 1/2"	29 1/2"	31 1/2"	35 1/2"	47 1/2"	53 1/2"	59 1/2"	71 1/2"
(381) (368)											
(457) (445)											
(610) (597)											
(711) (699)											
(762) (749)											
(813) (800)											
(914) (902)											
(1 067) (1 054)											
(1 118) (1 105)											
(1 219) (1 207)											
(1 372) (1 359)											
(1 524) (1 511)											
(1 676) (1 664)											
(1 829) (1 816)											

T - Requires tempered glass due to aspect ratio.

Not to scale.



250 Series Awning

Special Sizes and Dimensions

1-Wide Vent Unit		1-Wide Fixed Unit	
MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
16" W x 14-1/2" H (406 x 368)	59-1/2" W x 43-1/2" H (1 511 x 1 105)	14-1/2" W x 14-1/2" H (368 x 368)	71-1/2" W x 71-1/2" H (1 816 x 1 816)

2-Wide Vent Unit (Vent/Vent or Vent/Fixed equal or unequal composites)		2-Wide Fixed Unit (Equal or unequal composites)	
MINIMUM	MAXIMUM	MINIMUM	MAXIMUM
32-1/2" W x 14-1/2" H (826 x 368)	107-1/2" W x 43-1/2" H (2 731 x 1 105)	29-1/2" W x 14-1/2" H (749 x 368)	71-1/2" W x 71-1/2" H (1 816 x 1 816)

3-Wide Fixed Unit (Equal or unequal composites)	
MINIMUM	MAXIMUM
44-1/2" W x 14-1/2" H (1 130 x 368)	71-1/2" W x 71-1/2" H (1 816 x 1 816)

General Notes:

- Max frame area is 54 ft² (5.01 m²)
- To convert areas to square meters (m²), multiply square feet by 0.0929.
- Rough Opening = Frame Dimension + 1/2".
- Keep frame dimensions to the nearest 1/8" increment.
- Tempered glass must measure ≥ 18-1/2" diagonally.
- If glass width to height ratio is > 5 to 1, then unit must be tempered.

Miscellaneous Formulas

	1-Wide Vent	1-Wide Fixed
Visible Glass	VGW = FW – 6.188"	VGW = FW – 5.125"
	VGH = FH – 6.188"	VGH = FH – 5.125"
Actual Glass	AGW = FW – 5.188"	AGW = FW – 4"
	AGH = FH – 5.188"	AGH = FH – 4"
Vent Area	Sill Opening x (FH - 2.06 + FW -2.06) ÷ 144	

Key:

AGW = Actual Glass Width
 AGH = Actual Glass Height
 FW = Frame Width
 FH = Frame Height
 VGW = Visible Glass Width
 VGH = Visible Glass Height

Frame Width < 20.75, Sill Opening = 8"

Frame Width ≥ 20.75, Sill Opening = 13"



250 Series Awning

Design Data

1-Wide											
Call Out	Frame (inches)		Approximate Opening Angle (degrees)	Approximate Sill Opening (inches)	Vent Area Ft ²	Visible Glass Ft ²		Standard Glass Thickness (mm)		Performance Class & Grade ⁽¹⁾	
	Width	Height				Vent	Fixed	Annealed	Tempered	Vent	Fixed
1-4/1-3	16	14-1/2	33	8	1.5	0.6	0.7	3	3	LC35/LC50	LC50
1-4/1-6	16	17-1/2	-	-	-	0.8	0.9	3	3	-	LC50
1-4/2-0	16	23-1/2	-	-	-	1.2	1.4	3	3	-	LC50
1-4/2-4	16	27-1/2	-	-	-	1.5	1.7	3	3	-	LC50
1-4/2-6	16	29-1/2	-	-	-	1.6	1.8	3	3	-	LC50
1-4/2-8	16	31-1/2	-	-	-	1.7	2.0	3	3	-	LC50
1-4/3-0	16	35-1/2	-	-	-	2.0	2.3	3	3	-	LC50
1-4/3-6	16	41-1/2	-	-	-	2.4	2.7	3	3	-	LC50
1-4/3-8	16	43-1/2	-	-	-	2.5	2.9	3	3	-	LC50
1-4/4-0	16	47-1/2	-	-	-	2.8	3.2	3	3	-	LC50
1-4/4-6	16	53-1/2	-	-	-	3.2	3.7	3	3	-	LC50
1-4/5-0	16	59-1/2	-	-	-	3.6	4.1	3	3	-	LC50
1-4/5-6	16	65-1/2	-	-	-	4.0	4.6	3	3	-	LC35
1-4/6-0	16	71-1/2	-	-	-	4.5	5.0	3	3	-	LC35
1-6/1-3	17-1/2	14-1/2	33	8	1.5	0.7	0.8	3	3	LC35/LC50	LC50
1-6/1-6	17-1/2	17-1/2	27	8	1.7	0.9	1.1	3	3	LC35/LC50	LC50
1-6/2-0	17-1/2	23-1/2	-	-	-	1.4	1.6	3	3	-	LC50
1-6/2-4	17-1/2	27-1/2	-	-	-	1.7	1.9	3	3	-	LC50
1-6/2-6	17-1/2	29-1/2	-	-	-	1.8	2.1	3	3	-	LC50
1-6/2-8	17-1/2	31-1/2	-	-	-	2.0	2.3	3	3	-	LC50
1-6/3-0	17-1/2	35-1/2	-	-	-	2.3	2.6	3	3	-	LC50
1-6/3-6	17-1/2	41-1/2	-	-	-	2.8	3.1	3	3	-	LC50
1-6/3-8	17-1/2	43-1/2	-	-	-	2.9	3.3	3	3	-	LC50
1-6/4-0	17-1/2	47-1/2	-	-	-	3.2	3.6	3	3	-	LC50
1-6/4-6	17-1/2	53-1/2	-	-	-	3.7	4.2	3	3	-	LC50
1-6/5-0	17-1/2	59-1/2	-	-	-	4.2	4.7	3	3	-	LC50
1-6/5-6	17-1/2	65-1/2	-	-	-	4.7	5.2	3	3	-	LC35
1-6/6-0	17-1/2	71-1/2	-	-	-	5.1	5.7	3	3	-	LC35
2-0/1-3	23-1/2	14-1/2	46	13	3.1	1.0	1.2	3	3	LC35/LC50	LC50
2-0/1-6	23-1/2	17-1/2	40	13	3.3	1.4	1.6	3	3	LC35/LC50	LC50
2-0/2-0	23-1/2	23-1/2	31	13	3.9	2.1	2.3	3	3	LC35/LC50	LC50
2-0/2-4	23-1/2	27-1/2	-	-	-	2.6	2.9	3	3	-	LC50
2-0/2-6	23-1/2	29-1/2	-	-	-	2.8	3.1	3	3	-	LC50
2-0/2-8	23-1/2	31-1/2	-	-	-	3.0	3.4	3	3	-	LC50
2-0/3-0	23-1/2	35-1/2	-	-	-	3.5	3.9	3	3	-	LC50
2-0/3-6	23-1/2	41-1/2	-	-	-	4.2	4.6	3	3	-	LC50
2-0/3-8	23-1/2	43-1/2	-	-	-	4.5	4.9	3	3	-	LC50
2-0/4-0	23-1/2	47-1/2	-	-	-	5.0	5.4	3	3	-	LC50
2-0/4-6	23-1/2	53-1/2	-	-	-	5.7	6.2	3	3	-	LC50
2-0/5-0	23-1/2	59-1/2	-	-	-	6.4	6.9	3	3	-	LC50
2-0/5-6	23-1/2	65-1/2	-	-	-	7.1	7.7	3	3	-	LC35
2-0/6-0	23-1/2	71-1/2	-	-	-	7.9	8.5	3	3	-	LC35

1 of 4

(1) Maximum performance when glazed with the appropriate glass thickness. Second value requires performance upgrade.

Certain glass aspect ratios require tempered glass.

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



250 Series Awning

Design Data

1-Wide											
Call Out	Frame (inches)		Approximate Opening Angle (degrees)	Approximate Sill Opening (inches)	Vent Area Ft ²	Visible Glass Ft ²		Standard Glass Thickness (mm)		Performance Class & Grade ⁽¹⁾	
	Width	Height				Vent	Fixed	Annealed	Tempered	Vent	Fixed
2-4/1-3	27-1/2	14-1/2	46	13	3.4	1.2	1.5	3	3	LC35/LC50	LC50
2-4/1-6	27-1/2	17-1/2	40	13	3.7	1.7	1.9	3	3	LC35/LC50	LC50
2-4/2-0	27-1/2	23-1/2	31	13	4.2	2.6	2.9	3	3	LC35/LC50	LC50
2-4/2-4	27-1/2	27-1/2	27	13	4.6	3.2	3.5	3	3	LC35/LC50	LC50
2-4/2-6	27-1/2	29-1/2	-	-	-	3.5	3.8	3	3	-	LC50
2-4/2-8	27-1/2	31-1/2	-	-	-	3.7	4.1	3	3	-	LC50
2-4/3-0	27-1/2	35-1/2	-	-	-	4.3	4.7	3	3	-	LC50
2-4/3-6	27-1/2	41-1/2	-	-	-	5.2	5.7	3	3	-	LC50
2-4/3-8	27-1/2	43-1/2	-	-	-	5.5	6.0	3	3	-	LC50
2-4/4-0	27-1/2	47-1/2	-	-	-	6.1	6.6	3	3	-	LC50
2-4/4-6	27-1/2	53-1/2	-	-	-	7.0	7.5	3	3	-	LC50
2-4/5-0	27-1/2	59-1/2	-	-	-	7.9	8.4	3	3	-	LC50
2-4/5-6	27-1/2	65-1/2	-	-	-	8.8	9.4	3	3	-	LC35
2-4/6-0	27-1/2	71-1/2	-	-	-	9.7	10.3	3	3	-	LC35
2-6/1-3	29-1/2	14-1/2	46	13	3.6	1.3	1.6	3	3	LC35/LC50	LC50
2-6/1-6	29-1/2	17-1/2	40	13	3.9	1.8	2.1	3	3	LC35/LC50	LC50
2-6/2-0	29-1/2	23-1/2	31	13	4.4	2.8	3.1	3	3	LC35/LC50	LC50
2-6/2-4	29-1/2	27-1/2	27	13	4.8	3.5	3.8	3	3	LC35/LC50	LC50
2-6/2-6	29-1/2	29-1/2	25	13	5.0	3.8	4.1	3	3	LC35/LC50	LC50
2-6/2-8	29-1/2	31-1/2	-	-	-	4.1	4.5	3	3	-	LC50
2-6/3-0	29-1/2	35-1/2	-	-	-	4.7	5.1	3	3	-	LC50
2-6/3-6	29-1/2	41-1/2	-	-	-	5.7	6.2	3	3	-	LC50
2-6/3-8	29-1/2	43-1/2	-	-	-	6.0	6.5	3	3	-	LC50
2-6/4-0	29-1/2	47-1/2	-	-	-	6.7	7.2	3	3	-	LC50
2-6/4-6	29-1/2	53-1/2	-	-	-	7.7	8.2	3	3	-	LC50
2-6/5-0	29-1/2	59-1/2	-	-	-	8.6	9.2	3	3	-	LC50
2-6/5-6	29-1/2	65-1/2	-	-	-	9.6	10.2	3	3	-	LC35
2-6/6-0	29-1/2	71-1/2	-	-	-	10.6	11.2	3	3	-	LC35
2-8/1-3	31-1/2	14-1/2	46	13	3.8	1.5	1.7	3	3	LC35/LC50	LC50
2-8/1-6	31-1/2	17-1/2	40	13	4.1	2.0	2.3	3	3	LC35/LC50	LC50
2-8/2-0	31-1/2	23-1/2	31	13	4.6	3.0	3.4	3	3	LC35/LC50	LC50
2-8/2-4	31-1/2	27-1/2	27	13	5.0	3.7	4.1	3	3	LC35/LC50	LC50
2-8/2-6	31-1/2	29-1/2	25	13	5.1	4.1	4.5	3	3	LC35/LC50	LC50
2-8/2-8	31-1/2	31-1/2	24	13	5.3	4.4	4.8	3	3	LC35/LC50	LC50
2-8/3-0	31-1/2	35-1/2	-	-	-	5.2	5.6	3	3	-	LC50
2-8/3-6	31-1/2	41-1/2	-	-	-	6.2	6.7	3	3	-	LC50
2-8/3-8	31-1/2	43-1/2	-	-	-	6.6	7.0	3	3	-	LC50
2-8/4-0	31-1/2	47-1/2	-	-	-	7.3	7.8	3	3	-	LC50
2-8/4-6	31-1/2	53-1/2	-	-	-	8.3	8.9	3	3	-	LC50
2-8/5-0	31-1/2	59-1/2	-	-	-	9.4	10.0	3	3	-	LC50
2-8/5-6	31-1/2	65-1/2	-	-	-	10.4	11.1	3	3	-	LC35
2-8/6-0	31-1/2	71-1/2	-	-	-	11.5	12.2	3	3	-	LC35

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(1) Maximum performance when glazed with the appropriate glass thickness. Second value requires performance upgrade.

Certain glass aspect ratios require tempered glass.

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



250 Series Awning

Design Data

1-Wide											
Call Out	Frame (inches)		Approximate Opening Angle (degrees)	Approximate Sill Opening (inches)	Vent Area Ft ²	Visible Glass Ft ²		Standard Glass Thickness (mm)		Performance Class & Grade ⁽¹⁾	
	Width	Height				Vent	Fixed	Annealed	Tempered	Vent	Fixed
3-0/1-3	35-1/2	14-1/2	46	13	4.1	1.7	2.0	3	3	LC35/LC50	LC50
3-0/1-6	35-1/2	17-1/2	40	13	4.4	2.3	2.6	3	3	LC35/LC50	LC50
3-0/2-0	35-1/2	23-1/2	31	13	5.0	3.5	3.9	3	3	LC35/LC50	LC50
3-0/2-4	35-1/2	27-1/2	27	13	5.3	4.3	4.7	3	3	LC35/LC50	LC50
3-0/2-6	35-1/2	29-1/2	25	13	5.5	4.7	5.1	3	3	LC35/LC50	LC50
3-0/2-8	35-1/2	31-1/2	24	13	5.7	5.2	5.6	3	3	LC35/LC50	LC50
3-0/3-0	35-1/2	35-1/2	21	13	6.0	6.0	6.4	3	3	LC35/LC50	LC50
3-0/3-6	35-1/2	41-1/2	-	-	-	7.2	7.7	3	3	-	LC50
3-0/3-8	35-1/2	43-1/2	-	-	-	7.6	8.1	3	3	-	LC50
3-0/4-0	35-1/2	47-1/2	-	-	-	8.4	8.9	3	3	-	LC50
3-0/4-6	35-1/2	53-1/2	-	-	-	9.6	10.2	3	3	-	LC50
3-0/5-0	35-1/2	59-1/2	-	-	-	10.9	11.5	3	3	-	LC50
3-0/5-6	35-1/2	65-1/2	-	-	-	12.1	12.7	3	3	-	LC35
3-0/6-0	35-1/2	71-1/2	-	-	-	13.3	14.0	3	3	-	LC35
4-0/1-3	47-1/2	14-1/2	46	13	5.2	2.4	2.8	3	3	LC35/LC50	LC50
4-0/1-6	47-1/2	17-1/2	40	13	5.5	3.2	3.6	3	3	LC35/LC50	LC50
4-0/2-0	47-1/2	23-1/2	31	13	6.0	5.0	5.4	3	3	LC35/LC50	LC50
4-0/2-4	47-1/2	27-1/2	27	13	6.4	6.1	6.6	3	3	LC35/LC50	LC50
4-0/2-6	47-1/2	29-1/2	25	13	6.6	6.7	7.2	3	3	LC35/LC50	LC50
4-0/2-8	47-1/2	31-1/2	24	13	6.8	7.3	7.8	3	3	LC35/LC50	LC50
4-0/3-0	47-1/2	35-1/2	21	13	7.1	8.4	8.9	3	3	LC35/LC50	LC50
4-0/3-6	47-1/2	41-1/2	18	13	7.7	10.1	10.7	3	3	LC35/LC50	LC50
4-0/3-8	47-1/2	43-1/2	17	13	7.8	10.7	11.3	3	3	LC35/LC50	LC50
4-0/4-0	47-1/2	47-1/2	-	-	-	11.9	12.5	3	3	-	LC50
4-0/4-6	47-1/2	53-1/2	-	-	-	13.6	14.2	3	3	-	LC50
4-0/5-0	47-1/2	59-1/2	-	-	-	15.3	16.0	3	3	-	LC50
4-0/5-6	47-1/2	65-1/2	-	-	-	17.0	17.8	3	3	-	LC35
4-0/6-0	47-1/2	71-1/2	-	-	-	18.7	19.5	3	3	-	LC35
4-6/1-3	53-1/2	14-1/2	46	13	5.8	2.7	3.1	3	3	LC35/LC50	LC50
4-6/1-6	53-1/2	17-1/2	40	13	6.0	3.7	4.2	3	3	LC35/LC50	LC50
4-6/2-0	53-1/2	23-1/2	31	13	6.6	5.7	6.2	3	3	LC35/LC50	LC50
4-6/2-4	53-1/2	27-1/2	27	13	6.9	7.0	7.5	3	3	LC35/LC50	LC50
4-6/2-6	53-1/2	29-1/2	25	13	7.1	7.7	8.2	3	3	LC35/LC50	LC50
4-6/2-8	53-1/2	31-1/2	24	13	7.3	8.3	8.9	3	3	LC35/LC50	LC50
4-6/3-0	53-1/2	35-1/2	21	13	7.7	9.6	10.2	3	3	LC35/LC50	LC50
4-6/3-6	53-1/2	41-1/2	18	13	8.2	11.6	12.2	3	3	LC35/LC50	LC50
4-6/3-8	53-1/2	43-1/2	17	13	8.4	12.3	12.9	3	3	LC35/LC50	LC50
4-6/4-0	53-1/2	47-1/2	-	-	-	13.6	14.2	3	3	-	LC50
4-6/4-6	53-1/2	53-1/2	-	-	-	15.5	16.3	3	3	-	LC50
4-6/5-0	53-1/2	59-1/2	-	-	-	17.5	18.3	3	3	-	LC50
4-6/5-6	53-1/2	65-1/2	-	-	-	19.5	20.3	3	3	-	LC35
4-6/6-0	53-1/2	71-1/2	-	-	-	21.5	22.3	3	3	-	LC35

3 of 4

(1) Maximum performance when glazed with the appropriate glass thickness. Second value requires performance upgrade.

Certain glass aspect ratios require tempered glass.

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



250 Series Awning

Design Data

1-Wide											
Call Out	Frame (inches)		Approximate Opening Angle (degrees)	Approximate Sill Opening (inches)	Vent Area Ft ²	Visible Glass Ft ²		Standard Glass Thickness (mm)		Performance Class & Grade ⁽¹⁾	
	Width	Height				Vent	Fixed	Annealed	Tempered	Vent	Fixed
5-0/1-3	59-1/2	14-1/2	46	13	6.3	3.1	3.5	3	3	LC35/LC50	LC50
5-0/1-6	59-1/2	17-1/2	40	13	6.6	4.2	4.7	3	3	LC35/LC50	LC50
5-0/2-0	59-1/2	23-1/2	31	13	7.1	6.4	6.9	3	3	LC35/LC50	LC50
5-0/2-4	59-1/2	27-1/2	27	13	7.5	7.9	8.4	3	3	LC35/LC50	LC50
5-0/2-6	59-1/2	29-1/2	25	13	7.7	8.6	9.2	3	3	LC35/LC50	LC50
5-0/2-8	59-1/2	31-1/2	24	13	7.8	9.4	10.0	3	3	LC35/LC50	LC50
5-0/3-0	59-1/2	35-1/2	21	13	8.2	10.9	11.5	3	3	LC35/LC50	LC50
5-0/3-6	59-1/2	41-1/2	18	13	8.7	13.1	13.7	3	3	LC35/LC50	LC50
5-0/3-8	59-1/2	43-1/2	17	13	8.9	13.8	14.5	3	3	LC35/LC50	LC50
5-0/4-0	59-1/2	47-1/2	-	-	-	15.3	16.0	3	3	-	LC50
5-0/4-6	59-1/2	53-1/2	-	-	-	17.5	18.3	3	3	-	LC50
5-0/5-0	59-1/2	59-1/2	-	-	-	19.7	20.5	3	3	-	LC50
5-0/5-6	59-1/2	65-1/2	-	-	-	22.0	22.8	3	3	-	LC35
5-0/6-0	59-1/2	71-1/2	-	-	-	24.2	25.1	3	3	-	LC35
6-0/1-3	71-1/2	14-1/2	-	-	-	3.8	4.3	3	3	-	LC35
6-0/1-6	71-1/2	17-1/2	-	-	-	5.1	5.7	3	3	-	LC35
6-0/2-0	71-1/2	23-1/2	-	-	-	7.9	8.5	3	3	-	LC35
6-0/2-4	71-1/2	27-1/2	-	-	-	9.7	10.3	3	3	-	LC35
6-0/2-6	71-1/2	29-1/2	-	-	-	10.6	11.2	3	3	-	LC35
6-0/2-8	71-1/2	31-1/2	-	-	-	11.5	12.2	3	3	-	LC35
6-0/3-0	71-1/2	35-1/2	-	-	-	13.3	14.0	3	3	-	LC35
6-0/3-6	71-1/2	41-1/2	-	-	-	16.0	16.8	3	3	-	LC35
6-0/3-8	71-1/2	43-1/2	-	-	-	16.9	17.7	3	3	-	LC35
6-0/4-0	71-1/2	47-1/2	-	-	-	18.7	19.5	3	3	-	LC35
6-0/4-6	71-1/2	53-1/2	-	-	-	21.5	22.3	3	3	-	LC35
6-0/5-0	71-1/2	59-1/2	-	-	-	24.2	25.1	3	3	-	LC35
6-0/5-6	71-1/2	65-1/2	-	-	-	26.9	27.8	3	3	-	LC35
6-0/6-0	71-1/2	71-1/2	-	-	-	29.6	30.6	3	3	-	LC35

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(1) Maximum performance when glazed with the appropriate glass thickness. Second value requires performance upgrade.

Certain glass aspect ratios require tempered glass.

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



Frame

- Overall frame depth: 3-1/4" on all frame types.
- Frame members are mitered and heat fused to provide a fully welded corner assembly. Sill is fitted with weeps.
- Frame: [1-1/8" setback nail fin for 2-1/8" wall depth] [nail fin with flat casing for 2-1/8" wall depth¹] [Block frame for 3-1/4" wall depth] [Integral 5/8" flange for 3" wall depth] [Double Wall Flush Flange for 3" wall depth (West Region Only)].
- Interior and exterior frame surfaces are extruded rigid uPVC.

Sash

- Sash members are extruded, rigid uPVC [with optional foam insulation].
- Sash members are mitered and heat-fused to provide a fully welded corner assembly.
- Contains sealed insulating glass.

Weatherstripping

- Vent units include weatherstripping around the sash perimeter with a fin-type, pile and an extruded bulb weatherstrip.

Glazing System

- Quality float glass complying with ASTM C 1036.
- Exterior face-glazed sealed insulating glass.
- Dual-Pane insulating glass [[annealed] [tempered]] [[Advanced] [NaturalSun] [SunDefense™] Low-E coated [with Argon]] [[NaturalSun+] [SunDefense+] Low-E with argon]] [Bronze, Advanced Low-E coated [with Argon]] [Obscure₃] [High Altitude₂].
-or-
- 1" Triple-Pane [[annealed] [tempered]] [[Advanced] [NaturalSun] Low-E coated [with Argon]] [Obscure₃] [High Altitude₂].

Interior / Exterior

- Window frame and sash members are [[White] [Almond] [Fossil] with integral color extruded throughout the profiles] [[Brown] [Black] laminate exterior, consisting of a solar reflective coating exceeding AAMA 307 test requirements, with White integral color extruded throughout the profiles on the interior].
- All exposed PVC surfaces are smooth, glossy and uniform in appearance.

Hardware

- Dual lock with dual handles. Lock handles on jambs. Lock tie-bars are stainless steel.
- High quality [steel] [stainless steel] dual-arm roto-operator with fold down crank handle located on sill.
- Hinge arms are [steel] [stainless steel].
- Corrosion-resistant fasteners of PVC-compatible material.
- Hardware finish is [White] [Almond] [Fossil].

Insect Screen

- Set in aluminum frame and fitted to interior of window.
- Screen frame finish is baked enamel, color to match exterior
- Supplied complete with all necessary hardware.
- InView™ Screen
 - Black vinyl coated 18/18 mesh fiberglass screen cloth complying with ASTM D 3656 and SMA 1201.

Optional Products

Grilles

- Grilles-Between-the-Glass
 - [Dual-Pane Insulating glass contains [[3/4"] [1"] contoured] [5/8" flat] aluminum grilles permanently installed between two panes of glass] [Triple-Pane Insulating glass contains 3/4" contoured aluminum grilles permanently installed between three panes of glass].
 - Patterns are [Traditional] [9-Lite Prairie] [6-Lite Prairie] [Top Row].
 - Interior grille color matches interior frame.
 - Exterior grille color [3/4" Grille is [White] [Almond₄] [Fossil₄] [Brown] [Black]] [1" Grille is [White] [Almond₄] [Fossil₄]] [5/8" Grille is [White] [Almond₄] [Fossil₄]].

Hardware

- Optional limited opening hardware available for vent units in [White] [Almond] [Fossil] extruded vinyl to match the unit; nominal 3" opening.

(1) Flat casing availability is limited to Northeast region, not all color options available at launch. Contact your local sales representative for current offering.

(2) Dual-Pane IG High Altitude glazings are available with or without Argon. Triple-Pane IG High Altitude glazings are only available without Argon.

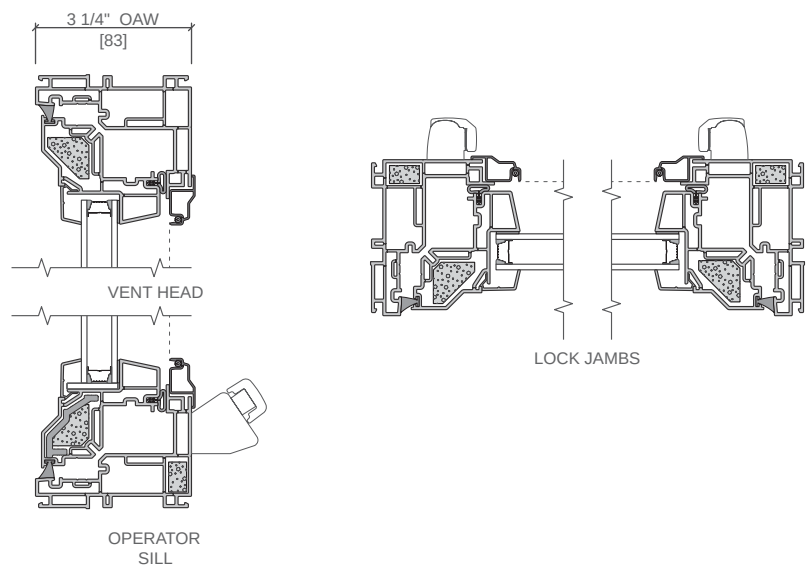
(3) Obscure glass not available with Bronze Advanced, SunDefense+ or NaturalSun+ Low-E IG.

(4) Almond grilles only available on Almond units. Almond units with grilles will have an Almond grille color, Fossil extruded color units with grilles have a Fossil grille color.



250 Series Awning

Optional Foam Insulation



Scale 3" = 1' 0"
All dimensions are approximate.

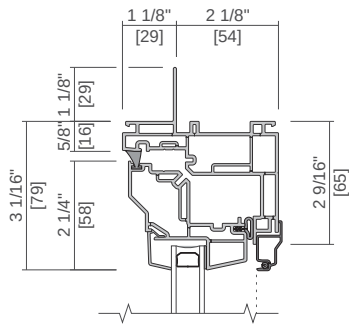


250 Series Awning

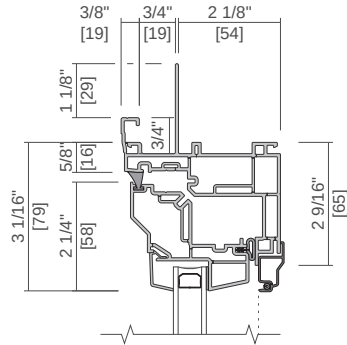
Unit Sections - Frame Types

NEW CONSTRUCTION FRAME

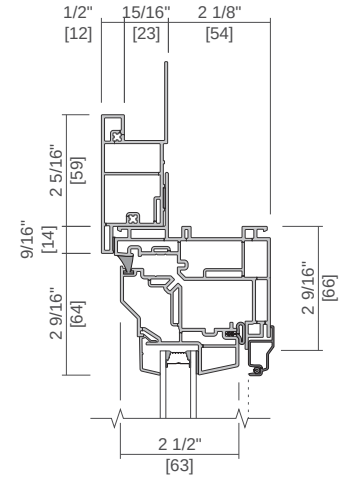
Standard Nailing Fin



Standard Fin with J-Channel

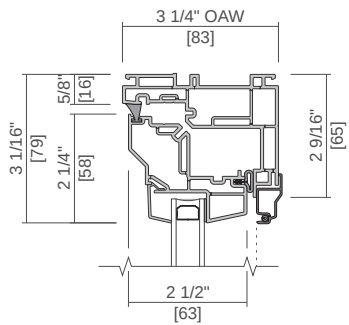


Standard Fin with Flat Casing

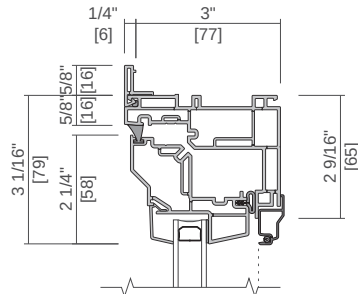


REPLACEMENT FRAME

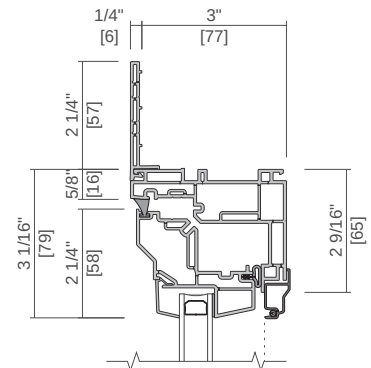
Standard Block Frame



5/8" Flush Flange - Florida Region Only

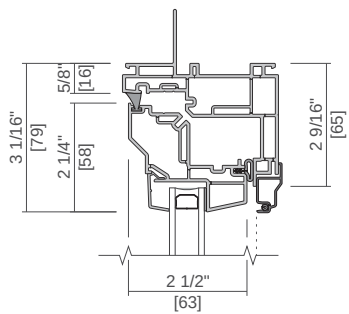


Double Wall Flush Flange

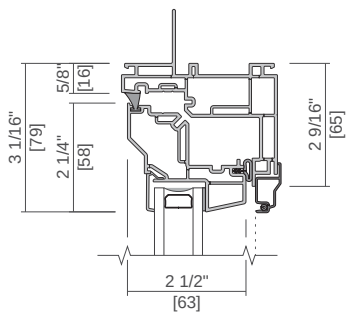


GLAZING OPTIONS

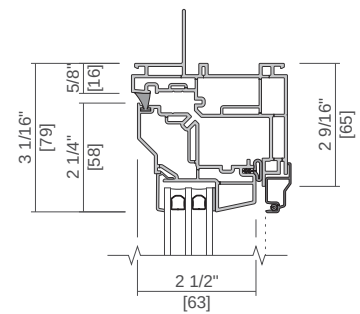
3/4" IG



1" IG



1 1/4" Triple IG



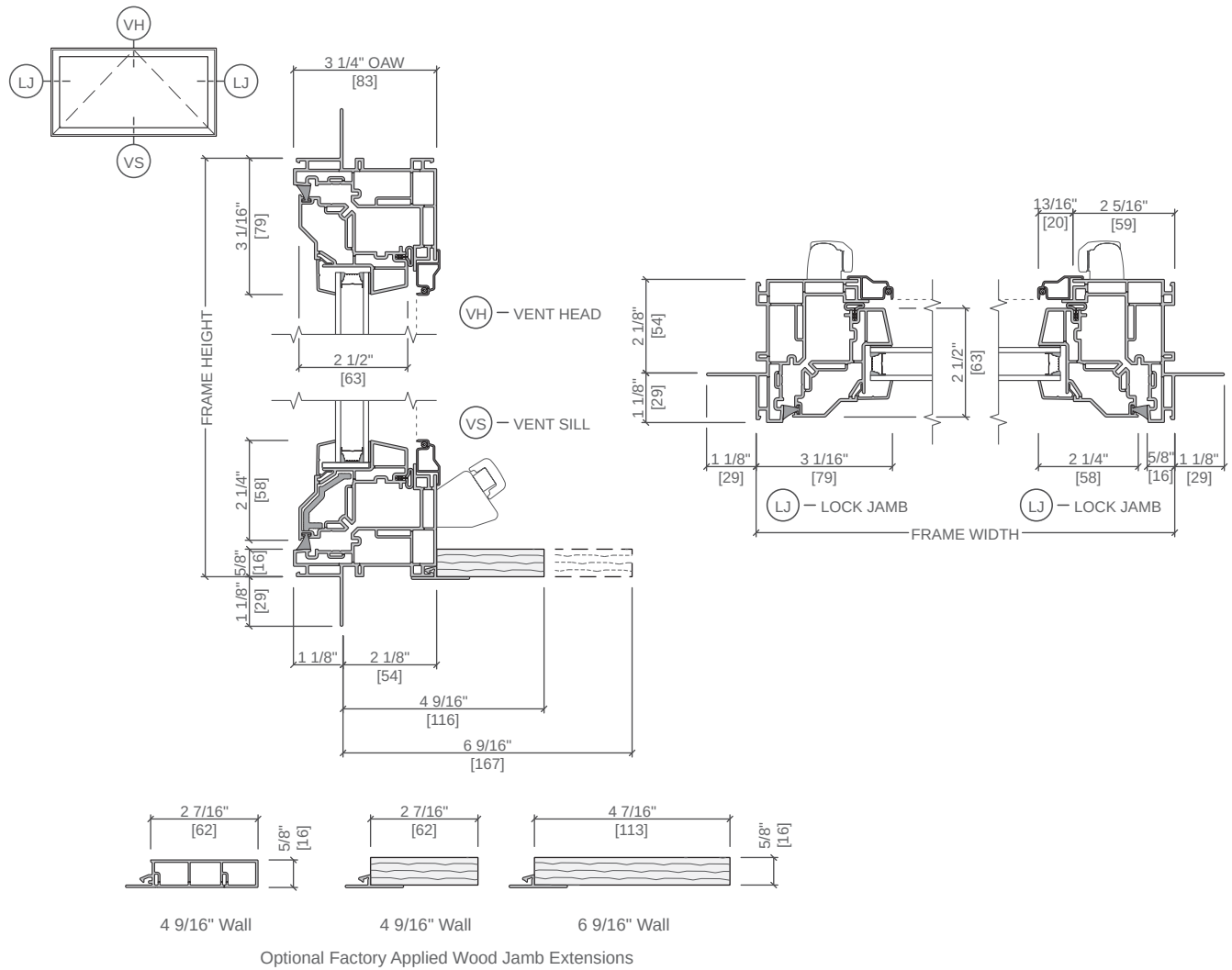
Scale 3" = 1' 0"

All dimensions are approximate.



250 Series Awning

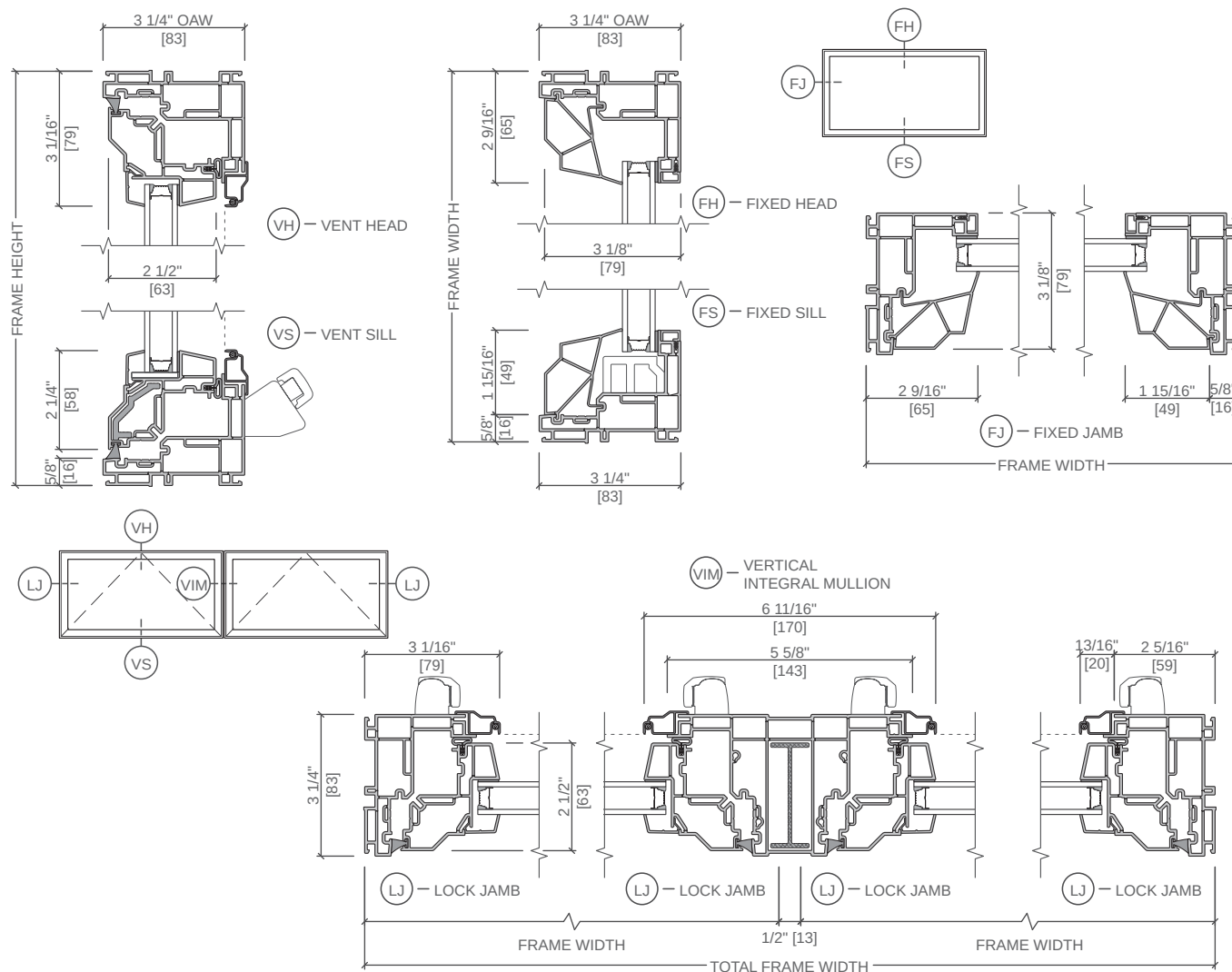
Unit Sections - Integral Nail-Fin



Scale 3" = 1' 0"
All dimensions are approximate.

250 Series Awning

Unit Sections - Block Frame

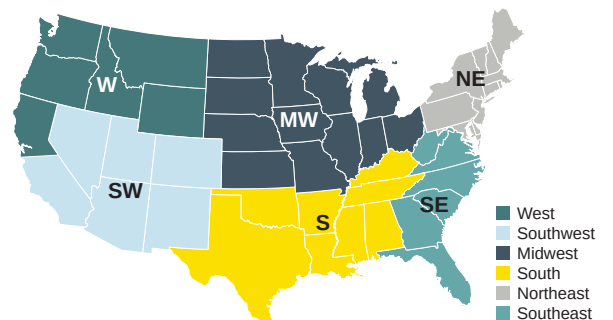
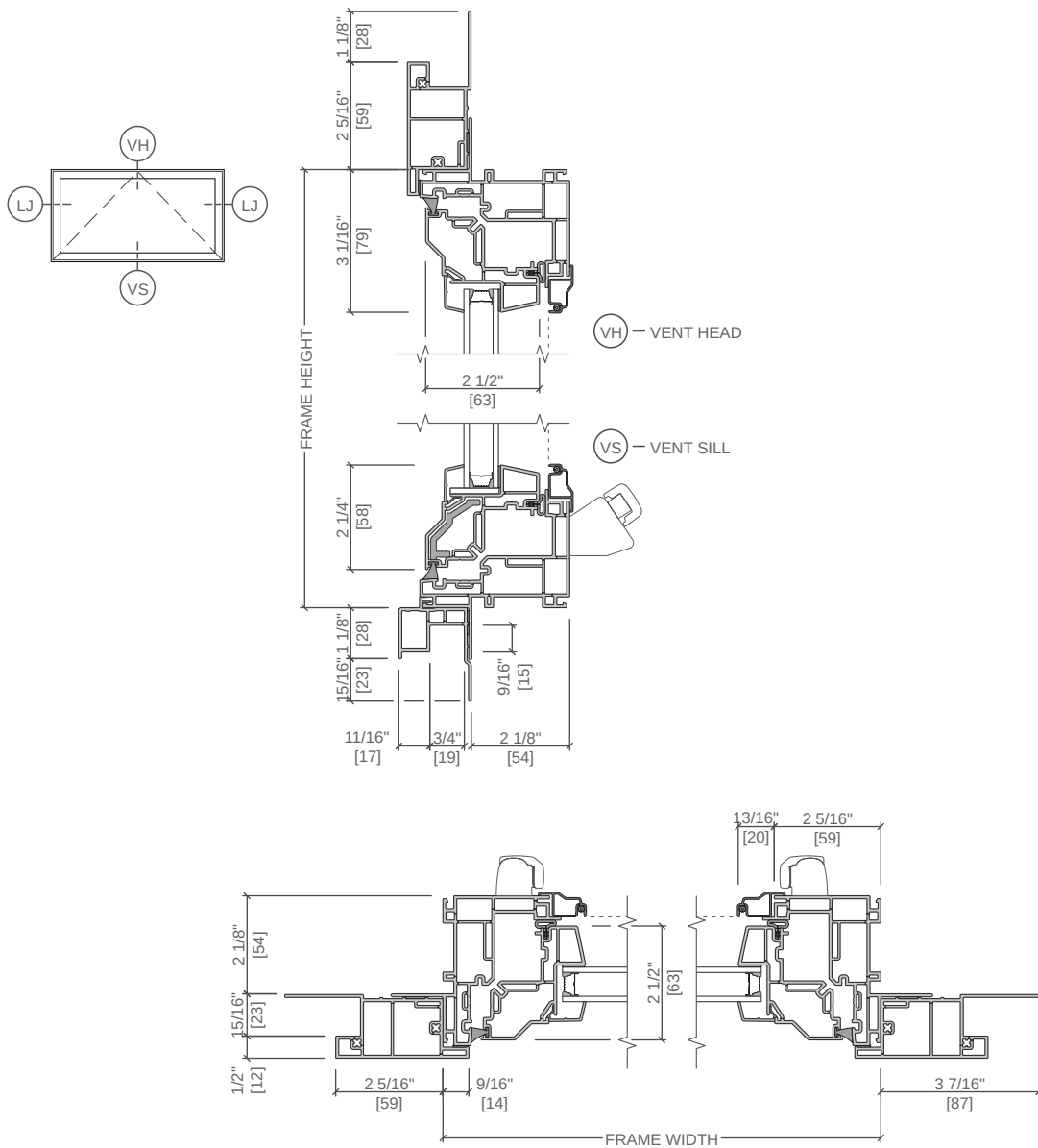


Scale 3" = 1' 0"
All dimensions are approximate.



250 Series Awning

Unit Sections - Nail-Fin with Flat Casing



Scale 3" = 1' 0"

All dimensions are approximate.

Flat casing availability is limited to Northeast region. Contact your local sales representative for current offering.