



Product Selection Guide

Size and Performance Data..... AL-AW-2

Sound Transmission Class and Outdoor-Indoor Transmission Class ..... AL-AW-2

Features and Options..... AL-AW-3

Combinations..... AL-AW-4

Glazing Performance..... AL-AW-5

Grilles ..... AL-AW-9

Size Tables..... AL-AW-10

Special Sizes and Dimensions ..... AL-AW-11

Design Data ..... AL-AW-12

Detailed Product Description ..... AL-AW-13

Unit Sections

Frame Types Overview..... AL-AW-14

Frame Types ..... AL-AW-15

Glazing Options ..... AL-AW-16

Glazing Beads ..... AL-AW-17

Horizontal Mullions ..... AL-AW-18

Vertical Mullions ..... AL-AW-19

**Document Navigation Tips:**

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

The Pella 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.

The information published in this document is believed to be accurate at the time of publication. However, because we are constantly working to improve our products, specifications are subject to change without notice. Consult your local sales representative for regional availability and up-to-date product information.



# Vista Series Premium Aluminum Awning Windows

## Size and Performance Data

Awning Window	
<b>Sizes</b>	
Standard Sizes <sub>1</sub>	S
Special Sizes Available Built on 1/8" Increments	O
<b>Frames</b>	
Integral Nail Fin - 1-1/16" setback for 3-3/16" Wall Depth	S
Block Frame	O
<b>Performance<sub>2</sub></b>	
Meets or Exceeds AAMA/WDMA Ratings	LC-PG50 - CW-PG55
Air Infiltration <sub>4</sub> (cfm/ft <sup>2</sup> of frame @ 1.57 psf wind pressure)	0.01 - 0.03 psf
Design Pressure (psf)	40 - 55 psf
Water Resistance (psf)	6.89 - 8.25 psf
Forced Entry <sub>3</sub>	10
FPAS	48017

### Sound Transmission Class and Outdoor-Indoor Transmission Class

Frame Size Tested	Glazing System				STC Rating	OITC Rating
	Overall Glazing Thickness	Exterior Glass Thickness	Interior Glass Thickness	Third Pane Thickness		
<b>Awning – Dual-Pane Insulating Glass</b>						
59-1/4" x 35-1/4"	1"	3mm	3mm	–	25	24
	1"	4mm	7mm (Laminated)	–	32	26
	1"	3mm	6mm	–	27	24

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

(1) See size charts in this section for available sizes.

(2) Published performance data is for single units with Integral Nail Fin only.

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

The presence of low-E or argon have negligible effect on sound attenuation characteristics.

Performance with additional options may not be the same as Standard and Special size units. Please contact your local Pella representative for complete information.



# Vista Series Premium Aluminum Awning Windows

## Features and Options

	Awning Window
<b>Glazing</b>	
<b>Glazing Type</b>	
Dual-pane insulating glass	S
Triple-pane insulating glass	O
<b>Insulated Glass Options / Low-E Types</b>	
Advanced Low-E	S
NaturalSun Low-E	O
NaturalSun+ Low-E	O
SunDefense	O
SunDefense+	O
SunDefense Laminated	O
Insulated Low-E 240	O
Insulated Low-E 340	O
Triple Insulated Low-E	O
Triple Insulated LE 272 / Clear / LE 272	O
Triple Insulated LE 272 / Clear / LE i89	O
Advanced Low-E Triple	O
SunDefense Triple	O
ES - SunDefense Triple	O
ES - Triple Low-E Insulating Glass	O
ES - Triple Insulated LE 272 / Clear / LE 272	O
ES - Triple Insulated LE 272 / Clear / LE i89	O
ES - Advanced Low-E Triple	O
ES - SunDefense+ Triple	O
ES - Triple Insulated LE 366 / Clear / LE 180	O
<b>Additional Glazing Options</b>	
Tempered Glass	O
Laminated	O
<b>Gas Fill / High Altitude</b>	
Argon	S
High altitude	O
<b>Glazing Profile</b>	
Square exterior glazing bead	S
Beveled	O

	Awning Window
Narrow	O
<b>Interior/Exterior Color</b>	
6 Standard Anodized Colors <sub>2</sub>	S
71 Standard Paint Colors <sub>3</sub>	S
Custom Paint Colors <sub>3</sub>	O
<b>Grilles</b>	
<b>Simulated -Divided-Light Grille Profiles</b>	
Exterior 7/8" Beveled or Flat	O
Interior 7/8" Flat	O
<b>Grilles-Between-the-Glass</b>	
5/8" Flat	O
11/16" Contoured	O
<b>Grille Patterns</b>	
Traditional	O
9-Lite Prairie	O
6-Lite Prairie	O
Top Row	O
Custom	O
<b>Hardware</b>	
Nested Crank Handle	S
Concealed Locking System	S
T-Handle	O
Seacoast Hardware	O
Limit Stops	O
<b>Hardware Finishes</b>	
Black	S
Additional Interior Finishes: Brushed Nickel, Rustic Bronze, White	O
<b>Screen</b>	
No Screen	O
UltraVue Screen cloth	S
TuffScreen cloth	O

S = Standard; O = Optional

(1) Not available with triple-pane glazing.

(2) Anodized Finish is AAMA 611 Class 1.

(3) Standard and Custom Paint are 2605 Classified.



# Vista Series Premium Aluminum Awning Windows

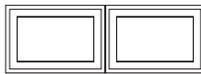
## Combination Assemblies

Combinations are a great way to create visual interest in any project. A combination is an assembly formed by two or more separate windows or doors whose frames are mullioned together by a direct or reinforcing mullion.

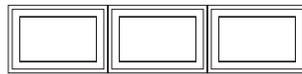
Pella window combinations are available in a variety of arrangements.

See the Combinations Recommendations document for typical mullions, requirements and limitations.

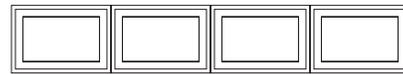
Contact your local Pella sales representative for more information.



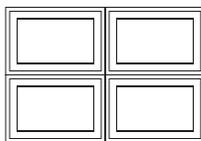
Two-Wide



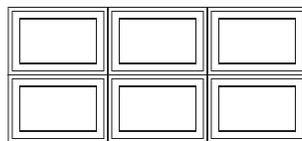
Three-Wide



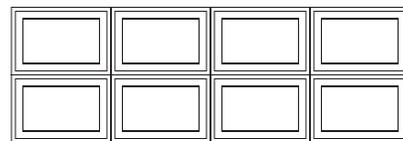
Four-Wide



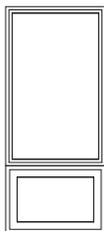
Two-Wide  
Two-High



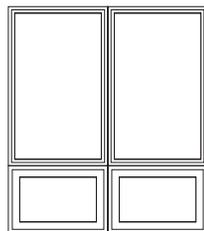
Three-Wide  
Two-High



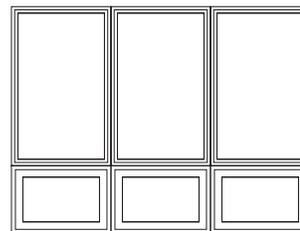
Four-Wide  
Two-High



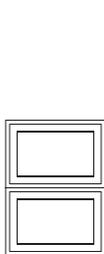
Fixed Frame  
over Awning



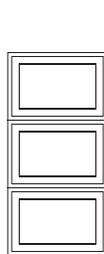
Two-Wide Fixed Frame  
over Two-Wide Awning



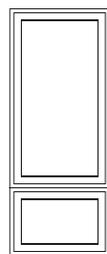
Three-Wide Fixed Frame  
over Three-Wide Awning



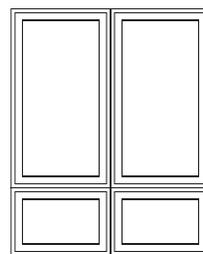
Two-High



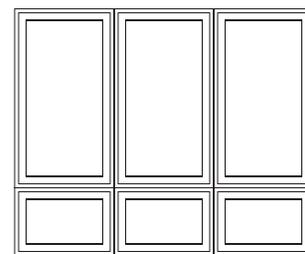
Three-High



Casement over  
Single



Two-Wide Casement over  
Two-Wide Awning



Three-Wide Casement over  
Three-Wide Awning



# Vista Series Premium Aluminum Awning Windows

## Glazing Performance - Total Unit

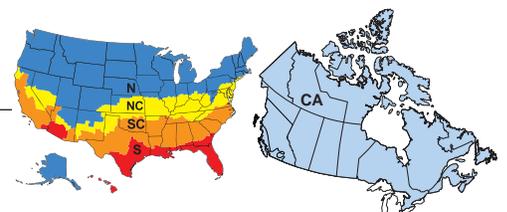
Glazing Thickness	Type of Glazing	NFRC Certified Product #	Performance Values <sub>1</sub>				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			U-Factor	SHGC	VLT	CR	U. S.				Canada <sub>2</sub>	
							Zone				ER	Zone
1" Dual-Pane Insulating glass - No Grilles						N	NC	SC	S	CA		
1"	Advanced Low-E	WEA-N-335-00327-00001	0.38	0.29	0.49	57						
1"	Advanced Low-E w/Argon	WEA-N-335-00343-00001	0.35	0.29	0.49	61						
1"	NaturalSun Low-E	WEA-N-335-00333-00001	0.38	0.46	0.54	57						
1"	NaturalSun Low-E w/Argon	WEA-N-335-00349-00001	0.35	0.46	0.54	60						
1"	NaturalSun+ Low-E	WEA-N-335-00335-00001	0.34	0.41	0.53	45						
1"	NaturalSun+ Low-E w/Argon	WEA-N-335-00351-00001	0.32	0.42	0.53	48						
1"	SunDefense Low-E	WEA-N-335-00329-00001	0.37	0.20	0.44	57						
1"	SunDefense Low-E w/Argon	WEA-N-335-00345-00001	0.34	0.20	0.44	61						
1"	SunDefense+ Low-E	WEA-N-335-00331-00001	0.33	0.20	0.43	46						
1"	SunDefense+ Low-E w/Argon	WEA-N-335-00347-00001	0.31	0.19	0.43	50				S		
1"	SunDefense Lami 0.030	WEA-N-335-00377-00001	0.37	0.20	0.44	58						
1"	SunDefense Lami 0.030 w/Argon	WEA-N-335-00393-00001	0.34	0.20	0.44	61						
1"	SunDefense Lami 0.060	WEA-N-335-00387-00001	0.37	0.20	0.43	58						
1"	SunDefense Lami 0.060 w/Argon	WEA-N-335-00403-00001	0.33	0.20	0.43	62						
1"	Insulated Low-E 240	WEA-N-335-00337-00001	0.38	0.18	0.26	57						
1"	Insulated Low-E 240 w/Argon	WEA-N-335-00353-00001	0.35	0.18	0.26	60						
1"	Insulated Low-E 340	WEA-N-335-00339-00001	0.37	0.14	0.26	57						
1"	Insulated Low-E 340 w/Argon	WEA-N-335-00355-00001	0.34	0.14	0.26	61						

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.

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# Vista Series Premium Aluminum Awning Windows

## Glazing Performance - Total Unit

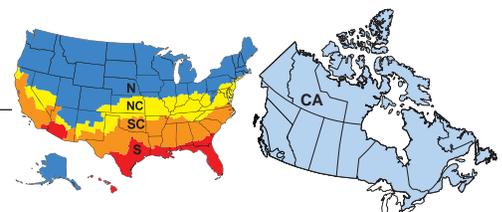
Glazing Thickness	Type of Glazing	NFRC Certified Product #	Performance Values <sub>1</sub>				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			U-Factor	SHGC	VLT	CR	U. S.				Canada <sub>2</sub>	
							Zone				ER	Zone
<b>1" Triple-Pane Insulating Glass - No Grilles</b>						N	NC	SC	S			CA
1"	Triple Insulated Low-E	WEA-N-335-00481-00001	0.31	0.26	0.40	64						
1"	Triple Insulated Low-E w/Argon	WEA-N-335-00493-00001	0.28	0.26	0.40	65						
1"	Triple Insulated LE 272 / Clear / LE 272	WEA-N-335-00481-00001	0.31	0.26	0.40	64						
1"	Triple Insulated LE 272 / Clear / LE 272 w/Argon	WEA-N-335-00493-00001	0.28	0.26	0.40	65						
1"	Triple Insulated LE 272 / Clear / LE i89	WEA-N-335-00485-00001	0.32	0.27	0.45	50						
1"	Triple Insulated LE 272 / Clear / LE i89 w/Argon	WEA-N-335-00497-00001	0.29	0.27	0.45	54						
1"	Advanced Low-E Triple	WEA-N-335-00483-00001	0.31	0.27	0.44	64						
1"	Advanced Low-E Triple w/Argon	WEA-N-335-00495-00001	0.28	0.27	0.44	65						
1"	SunDefense Triple	WEA-N-335-00277-00001	0.31	0.18	0.36	64				S		
1"	SunDefense Triple w/ Argon	WEA-N-335-00281-00001	0.28	0.18	0.36	65			SC	S		
<b>1-9/16" Triple-Pane Insulating Glass - No Grilles</b>												
1-9/16"	ES - SunDefense Triple	WEA-N-335-00452-00001	0.27	0.18	0.36	66			SC	S		
1-9/16"	ES - SunDefense Triple w/Argon	WEA-N-335-00460-00001	0.25	0.18	0.36	66	NC		SC	S		
1-9/16"	ES - Triple Insulated Low-e	WEA-N-335-00447-00001	0.32	0.28	0.46	66						
1-9/16"	ES - Triple Insulated Low-e w/Argon	WEA-N-335-00455-00001	0.30	0.28	0.46	66						
1-9/16"	ES - Triple Insulated LE 272 / Clear / LE 272	WEA-N-335-00448-00001	0.27	0.26	0.40	66						
1-9/16"	ES - Triple Insulated LE 272 / Clear / LE 272 w/Argon	WEA-N-335-00456-00001	0.25	0.25	0.40	66	NC					
1-9/16"	ES - Triple Insulated LE 272 / Clear / LE i89	WEA-N-335-00450-00001	0.29	0.27	0.45	54						
1-9/16"	ES - Triple Insulated LE 272 / Clear / LE i89 w/Argon	WEA-N-335-00458-00001	0.28	0.27	0.45	56						
1-9/16"	ES - Advanced Low-E Triple	WEA-N-335-00449-00001	0.27	0.27	0.44	66						
1-9/16"	ES - Advanced Low-E Triple w/Argon	WEA-N-335-00457-00001	0.25	0.27	0.44	66	NC					
1-9/16"	ES - SunDefense+ Triple	WEA-N-335-00454-00001	0.29	0.18	0.41	54				S		
1-9/16"	ES - SunDefense+ Triple w/Argon	WEA-N-335-00462-00001	0.27	0.18	0.41	56			SC	S		
1-9/16"	ES - Triple Insulated LE 366 / Clear / LE 180	WEA-N-335-00453-00001	0.27	0.18	0.40	66			SC	S		
1-9/16"	ES - Triple Insulated LE 366 / Clear / LE 180 w/Argon	WEA-N-335-00461-00001	0.25	0.18	0.40	66	NC		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.

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# Vista Series Premium Aluminum Awning Windows

## Glazing Performance - Total Unit

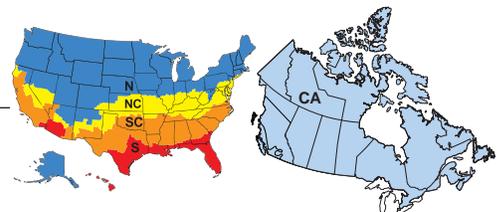
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			U-Factor	SHGC	VLT	CR	U. S.				Canada <sub>2</sub>	
							Zone				ER	Zone
1" Dual-Pane Insulating glass - With Grilles						N	NC	SC	S	CA		
1"	Advanced Low-E	WEA-N-335-00327-00002	0.38	0.27	0.44	57						
1"	Advanced Low-E w/Argon	WEA-N-335-00343-00002	0.35	0.26	0.44	61						
1"	NaturalSun Low-E	WEA-N-335-00333-00002	0.38	0.42	0.49	57						
1"	NaturalSun Low-E w/Argon	WEA-N-335-00349-00002	0.35	0.42	0.49	60						
1"	NaturalSun+ Low-E	WEA-N-335-00335-00002	0.34	0.38	0.48	45						
1"	NaturalSun+ Low-E w/Argon	WEA-N-335-00351-00002	0.32	0.38	0.48	48						
1"	SunDefense Low-E	WEA-N-335-00329-00002	0.37	0.19	0.40	57						
1"	SunDefense Low-E w/Argon	WEA-N-335-00345-00002	0.34	0.18	0.40	61						
1"	SunDefense+ Low-E	WEA-N-335-00331-00002	0.33	0.18	0.39	46						
1"	SunDefense+ Low-E w/Argon	WEA-N-335-00347-00002	0.31	0.18	0.39	50				S		
1"	SunDefense Lami 0.030	WEA-N-335-00377-00002	0.37	0.19	0.40	58						
1"	SunDefense Lami 0.030 w/Argon	WEA-N-335-00393-00002	0.34	0.18	0.40	61						
1"	SunDefense Lami 0.060	WEA-N-335-00387-00002	0.37	0.18	0.39	58						
1"	SunDefense Lami 0.060 w/Argon	WEA-N-335-00403-00002	0.33	0.18	0.39	62						
1"	Insulated Low-E 240	WEA-N-335-00337-00002	0.38	0.17	0.24	57						
1"	Insulated Low-E 240 w/Argon	WEA-N-335-00353-00002	0.35	0.16	0.24	60						
1"	Insulated Low-E 340	WEA-N-335-00339-00002	0.37	0.13	0.24	57						
1"	Insulated Low-E 340 w/Argon	WEA-N-335-00355-00002	0.34	0.13	0.24	61						

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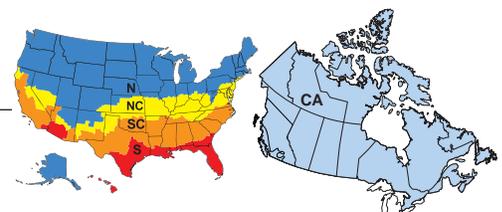
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			U-Factor	SHGC	VLT	CR	U. S.				Canada <sub>2</sub>	
							Zone		ER	Zone	CA	
<b>1" Triple-Pane Insulating Glass - With Grilles</b>						N	NC	SC	S			
1"	Triple Insulated Low-E	WEA-N-335-00480-00001	0.35	0.26	0.42	64						
1"	Triple Insulated Low-E w/Argon	WEA-N-335-00492-00001	0.32	0.25	0.42	65						
1"	Triple Insulated LE 272 / Clear / LE 272	WEA-N-335-00482-00001	0.32	0.23	0.36	64				S		
1"	Triple Insulated LE 272 / Clear / LE 272 w/Argon	WEA-N-335-00494-00001	0.28	0.23	0.36	65			SC	S		
1"	Triple Insulated LE 272 / Clear / LE i89	WEA-N-335-00486-00001	0.32	0.25	0.41	50						
1"	Triple Insulated LE 272 / Clear / LE i89 w/Argon	WEA-N-335-00498-00001	0.30	0.25	0.41	54						
1"	Advanced Low-E Triple	WEA-N-335-00484-00001	0.32	0.25	0.40	64						
1"	Advanced Low-E Triple w/Argon	WEA-N-335-00496-00001	0.28	0.25	0.40	65						
1"	SunDefense Triple	WEA-N-335-00278-00001	0.31	0.17	0.33	64				S		
1"	SunDefense Triple w/Argon	WEA-N-335-00282-00001	0.28	0.17	0.33	65			SC	S		
<b>1-9/16" Triple-Pane Insulating Glass - With Grilles</b>												
1-9/16"	ES - SunDefense Triple	WEA-N-335-00452-00002	0.27	0.17	0.33	66			SC	S		
1-9/16"	ES - SunDefense Triple w/Argon	WEA-N-335-00460-00002	0.25	0.17	0.33	66		NC	SC	S		
1-9/16"	ES - Triple Insulated Low-e	WEA-N-335-00447-00002	0.32	0.25	0.42	66						
1-9/16"	ES - Triple Insulated Low-e w/Argon	WEA-N-335-00455-00002	0.30	0.25	0.42	66						
1-9/16"	ES - Triple Insulated LE 272 / Clear / LE 272	WEA-N-335-00448-00002	0.27	0.23	0.36	66			SC	S		
1-9/16"	ES - Triple Insulated LE 272 / Clear / LE 272 w/Argon	WEA-N-335-00456-00002	0.25	0.23	0.36	66		NC	SC	S		
1-9/16"	ES - Triple Insulated LE 272 / Clear / LE i89	WEA-N-335-00450-00002	0.29	0.25	0.41	54						
1-9/16"	ES - Triple Insulated LE 272 / Clear / LE i89 w/Argon	WEA-N-335-00458-00002	0.28	0.25	0.41	56						
1-9/16"	ES - Advanced Low-E Triple	WEA-N-335-00449-00002	0.27	0.25	0.40	66						
1-9/16"	ES - Advanced Low-E Triple w/Argon	WEA-N-335-00457-00002	0.25	0.25	0.40	66		NC				
1-9/16"	ES - SunDefense+ Triple	WEA-N-335-00454-00002	0.29	0.17	0.37	54				S		
1-9/16"	ES - SunDefense+ Triple w/Argon	WEA-N-335-00462-00002	0.27	0.17	0.37	56			SC	S		
1-9/16"	ES - Triple Insulated LE 366 / Clear / LE 180	WEA-N-335-00453-00002	0.27	0.17	0.36	66			SC	S		
1-9/16"	ES - Triple Insulated LE 366 / Clear / LE 180 w/Argon	WEA-N-335-00461-00002	0.25	0.17	0.36	66		NC	SC	YS		

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.

Visit [www.energystar.gov](http://www.energystar.gov) for Energy Star guidelines.

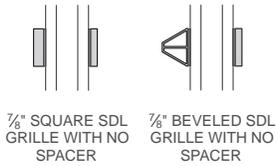
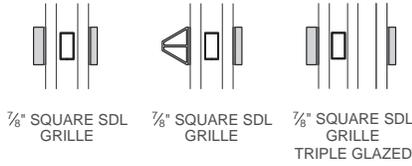




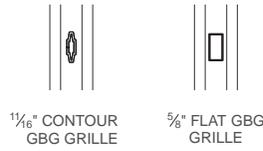
Grilles

Grille Profiles

Simulated-Divided-Light Grilles

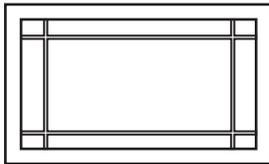


Grilles-Between-the-Glass

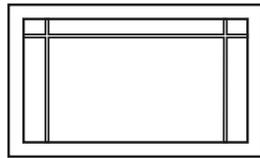


Grille Patterns

Prairie Lite Patterns



9-Lite Prairie

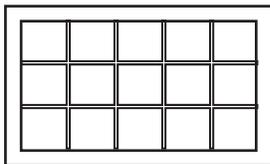


6-Lite Prairie

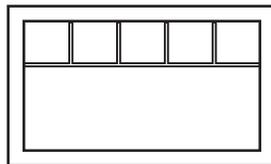
Prairie

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

Other Available Patterns



Traditional



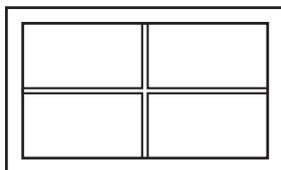
Top Row

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



# Vista Series Premium Aluminum Awning Windows

## Size Tables

### Awning Windows (4201)

Jamb Dimension	1'-5 1/4"	1'-7 1/4"	1'-11 1/4"	2'-3 1/4"	2'-5 1/4"	2'-7 1/4"	2'-11 1/4"	3'-5 1/4"	3'-11 1/4"	4'-5 1/4"	4'-11 1/4"
Rough Opening	1'-6"	1'-8"	2'-0"	2'-4"	2'-6"	2'-8"	3'-0"	3'-6"	4'-0"	4'-6"	5'-0"
Soft Metric R.O. (mm)	457	508	610	711	762	813	914	1067	1219	1372	1524
Glass Size	12 13/16"	14 13/16"	18 13/16"	22 13/16"	24 13/16"	26 13/16"	30 13/16"	36 13/16"	42 13/16"	48 13/16"	54 13/16"
1'-7 1/4"											
1'-8"											
1'-11 1/4"											
2'-0"											
2'-2 1/4"											
2'-4"											
2'-6"											
2'-8"											
3'-0"											
3'-6"											
4'-0"											
4'-6"											
5'-0"											

<b>2 - Wide</b> Width Dimensions				<b>3 - Wide</b> Width Dimensions			
Base Code	Jamb Dimension (Frame Size)	Rough Opening	Soft Metric R.O. (mm)	Base Code	Jamb Dimension (Frame Size)	Rough Opening	Soft Metric R.O. (mm)
AW2-16	2'-10 1/2"	2'-11 1/4"	895	AW3-16	4'-3 3/4"	4'-4 1/2"	1334
AW2-18	3'-2 1/2"	3'-3 1/4"	997	AW3-18	4'-9 3/4"	4'-10 1/2"	1486
AW2-20	3'-10 1/2"	3'-11 1/4"	1200	AW3-20	5'-9 3/4"	5'-10 1/2"	1791
AW2-24	4'-6 1/2"	4'-7 1/4"	1403	AW3-24	6'-9 3/4"	6'-10 1/2"	2096
AW2-26	4'-10 1/2"	4'-11 1/4"	1505	AW3-26	7'-3 3/4"	7'-4 1/2"	2248
AW2-28	5'-2 1/2"	5'-3 1/4"	1607	AW3-28	7'-9 3/4"	7'-10 1/2"	2400
AW2-30	5'-10 1/2"	5'-11 1/4"	1810	AW3-30	8'-9 3/4"	8'-10 1/2"	2705
AW2-36	6'-10 1/2"	6'-11 1/4"	2115	AW3-36	10'-3 3/4"	10'-4 1/2"	3162
AW2-40	7'-10 1/2"	7'-11 1/4"	2419	AW3-40	11'-9 3/4"	11'-10 1/2"	3620

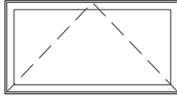
Not to Scale



# Vista Series Premium Aluminum Awning Windows

## Special Size and Dimensions

### 1-Wide Vent Unit



MINIMUM	MAXIMUM
18" W x 20" H 1' 6" W x 1' 8" H (457 x 508)	60" W x 60" H 5' 0" W x 5' 0" H (1524 x 1524)

### General Notes:

- Max frame area is x 000 ft<sup>2</sup> (m<sup>2</sup>)
- To convert areas to square meters (m<sup>2</sup>), multiply square feet by 0.0929.
- Rough Opening = Frame Dimension + 3/4".
- Keep frame dimensions to the nearest 1/8" increment.
- If glass width to height ratio is > 5 to 1, then unit must be tempered.

### Miscellaneous Formulas

	1-Wide Vent
Visible Glass	VGW = FW - 5.409" VGH = FH - 5.414"
Actual Glass	AGW = FW - 4.375" AGH = FH - 4.375"

### Key:

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



Design Data

Standard Sizes

1-Wide				
Call Out	Venting (inches)		Vent Area Ft <sup>2</sup>	Visible Glass Ft <sup>2</sup>
	Width	Height		Vent
1618	13.19	3.92	0.36	1.14
1620	13.19	3.92	0.36	1.47
1626	13.19	3.92	0.36	1.96
1630	13.19	3.92	0.36	2.45
1636	13.19	3.92	0.36	2.95
1640	13.19	3.92	0.36	3.44
1818	15.19	3.92	0.41	1.33
1820	15.19	3.92	0.41	1.71
1826	15.19	3.92	0.41	2.29
1830	15.19	3.92	0.41	2.87
1836	15.19	3.92	0.41	3.44
1840	15.19	3.92	0.41	4.02
2018	19.19	3.92	0.52	1.71
2020	19.19	3.92	0.52	2.21
2026	19.19	3.92	0.52	2.95
2030	19.19	3.92	0.52	3.70
2036	19.19	3.92	0.52	4.44
2040	19.19	3.92	0.52	5.18
2418	23.19	5.80	0.93	2.10
2420	23.19	5.80	0.93	2.71
2426	23.19	5.80	0.93	3.62
2430	23.19	5.80	0.93	4.53
2436	23.19	5.80	0.93	5.44
2440	23.19	5.80	0.93	6.35
2618	25.19	5.80	1.01	2.29
2620	25.19	5.80	1.01	2.95
2626	25.19	5.80	1.01	3.95
2630	25.19	5.80	1.01	4.94
2636	25.19	5.80	1.01	5.93
2640	25.19	5.80	1.01	6.93
2818	27.19	5.80	1.09	2.48
2820	27.19	5.80	1.09	3.20
2826	27.19	5.80	1.09	4.28
2830	27.19	5.80	1.09	5.36
2836	27.19	5.80	1.09	6.43
2840	27.19	5.80	1.09	7.51
3018	31.19	5.80	1.26	2.87
3020	31.19	5.80	1.26	3.70
3026	31.19	5.80	1.26	4.94
3030	31.19	5.80	1.26	6.18
3036	31.19	5.80	1.26	7.43
3040	31.19	5.80	1.26	8.67

1-Wide				
Call Out	Venting (inches)		Vent Area Ft <sup>2</sup>	Visible Glass Ft <sup>2</sup>
	Width	Height		Vent
3618	31.19	5.80	1.26	2.87
3620	31.19	5.80	1.26	3.70
3626	31.19	5.80	1.26	4.94
3630	31.19	5.80	1.26	6.18
3636	31.19	5.80	1.26	7.43
3640	31.19	5.80	1.26	8.67
4018	43.19	5.80	1.74	4.02
4020	43.19	5.80	1.74	5.18
4026	43.19	5.80	1.74	6.93
4030	43.19	5.80	1.74	8.67
4036	43.19	5.80	1.74	10.41
4040	43.19	5.80	1.74	12.16
4618	49.19	5.80	1.98	4.60
4620	49.19	5.80	1.98	5.93
4626	49.19	5.80	1.98	7.92
4630	49.19	5.80	1.98	9.91
4636	49.19	5.80	1.98	11.91
4640	49.19	5.80	1.98	13.90
5018	55.19	5.80	2.22	5.18
5020	55.19	5.80	2.22	6.67
5026	55.19	5.80	2.22	8.91
5030	55.19	5.80	2.22	11.16
5036	55.19	5.80	2.22	13.40
5040	55.19	5.80	2.22	15.64

(-) = Not Available

(1) Maximum performance when glazed with the appropriate glass thickness. Second Value, where shown, requires performance upgrade.

To convert areas to square meters (m<sup>2</sup>), multiply square feet by 0.0929.



# Vista Series Premium Aluminum Awning Windows

## Detailed Product Description

### Frame

- Thermally broken extruded aluminum [with integral Nail Fin with 1 inch setback] [Block frame].
- Corners are mitered and mechanically fastened with corner keys.
- Overall frame depth is 4-1/4" (108 mm) for a wall depth of 3-3/16" (81 mm).

### Sash

- Thermally broken extruded aluminum.
- Corners are mitered and mechanically fastened with corner keys.
- Sash thickness is 2-3/16" (56 mm).
- Sash exterior glazing profile is [Square] [Beveled] [Narrow].
- Contains sealed insulating glass.

### Weatherstripping

- Dual weatherstripping.
- Flexible vinyl weatherstrip between frame and sash with two points of contact at rails and stiles.

### Glazing System

- Quality float glass complying with ASTM C 1036.
- Silicone-glazed dual-pane 1" insulating glass [[annealed] [tempered]], [[Advanced] [SunDefense™] [SunDefense+] [NaturalSun] [NaturalSun+]] [SunDefense Laminated] [Low-E 240] [Low-E 340] [with argon]].  
-or-
- Silicone-glazed triple-pane 1" insulating glass [[Triple Insulated] [Triple Insulated LE 272 / Clear / LE 272] [Triple Insulated LE 272 / Clear / LE i89] [LE 366 / Clear / LE 180] [Advanced Low-E Triple] [SunDefense Triple] [with Argon]].  
-or-
- Silicone-glazed triple-pane 1-9/16" insulating glass [[ES - Triple Insulated] [ES - Triple Insulated LE 272 / Clear / LE 272] [ES - Triple Insulated LE 272 / Clear / LE i89] [ES - Advanced Low-E Triple] [ES - SunDefense+ Triple] [ES - Triple Insulated LE 366 / Clear / LE180] [ES - SunDefense Triple Low-E] [with Argon]].

### Exterior

- Aluminum exterior finish shall be:
  - Electrolytic two-step anodized coating, meets AAMA 611 Class 1 standard.<sub>2</sub>
  - Color is [standard] [custom].<sub>2</sub>
- or -
- Fluoropolymer-modified acrylic topcoat over fluoropolymer primer, meets AAMA 2605 requirements.
- Color is [standard] [custom].<sub>2</sub>

### Interior

- Aluminum Interior finish shall be:
  - Electrolytic two-step anodized coating [standard] [custom] meets AAMA 611 Class 1 standard.<sub>2</sub>
- or -
- Fluoropolymer-modified acrylic topcoat over fluoropolymer primer, meets AAMA 2605 requirements.
- Color is [standard] [custom].<sub>2</sub>

### Hardware

- Roto operator assembly located on the sill.
  - Hardened steel worm gear sash operator with straight gear arms.
  - Operator linkage, hinge slide, and hinge arms are plated steel.
- Two concealed plated steel adjustable hinges, consisting of the primary hinge pieces in the jambs mating to inserts in the sash.
- A single lever handle operates a multi-point locking system.
- Operating hardware includes a contemporary style zinc die-cast nesting crank handle and lever lock handle with [baked enamel [Matte Black]] [Satin Nickel] [Rustic Bronze] hardware finish.

### Optional Products

#### Grilles

- Simulated Divided Lite grilles
  - Interior grilles are [7/8" (29 mm)] square profile that are extruded aluminum factory finished to match sash color.<sub>2</sub>
  - Exterior grilles are [7/8" (29 mm)] [square] [beveled] profile that are extruded aluminum factory finished to match sash color.<sub>2</sub>
  - Patterns are [Traditional] [Prairie] [Top Row].
  - Grilles are adhered to both sides of the insulating glass with double-coated acrylic foam tape.
- Grilles-Between-the-Glass
  - Insulating glass contains [5/8" flat] [11/16" contoured] aluminum grilles permanently installed between two panes of glass.
  - Grille patterns are [Traditional] [Prairie] [Top Row].
  - Grilles are factory pre-finished paint.<sub>2</sub>

#### Screens

- Flexible screen consisting of steel channel frames with exterior grade high performance PVC coating.
- Mesh is [high-visibility vinyl-coated fiberglass (standard)] [higher strength vinyl-coated fiberglass].
- Fitted to inside of window, supplied complete with all necessary hardware.
- Screen frame finish is factory prefinished to match sash and frame color.

#### Hardware

- Optional factory applied window opening control device. Device allows window to open less than 4" with normal operation, with a release mechanism that allows the sash to open completely. Complies with ASTM F2090-17.

(1) Low-E coated insulating glass is argon-filled (except high altitude). All other insulating glass (including high altitude Low-E) is air-filled.

(2) Contact your local Pella sales representative for current designs and color options.

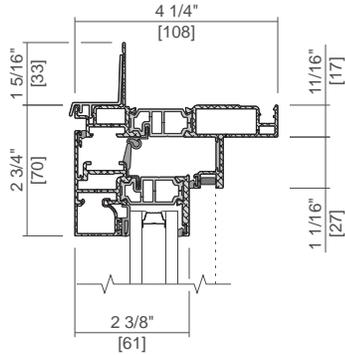


# Vista Series Premium Aluminum Awning Windows

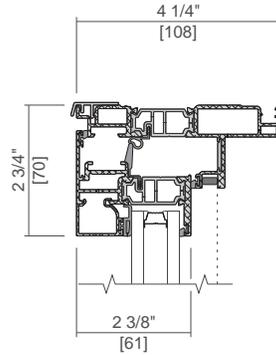
## Unit Sections - Frame Types Overview

### Awning - Awning PICTURE

Standard Nailing Fin

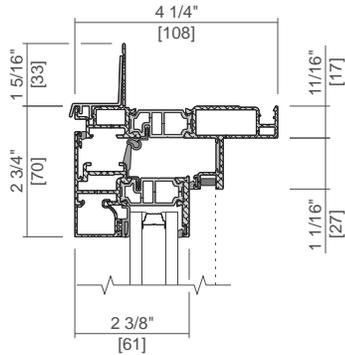


Standard Block Frame

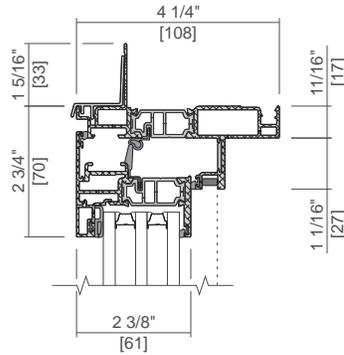


### GLAZING OPTIONS

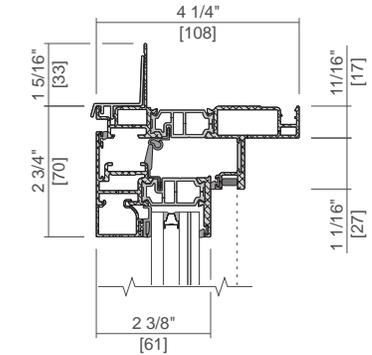
1" Dual IG



1-5/8" Triple IG

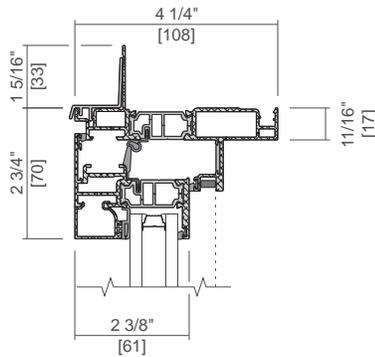


1" Laminate IG

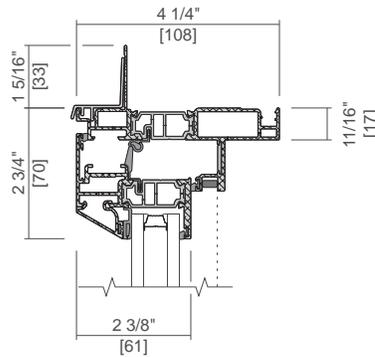


### GLAZING BEAD OPTIONS

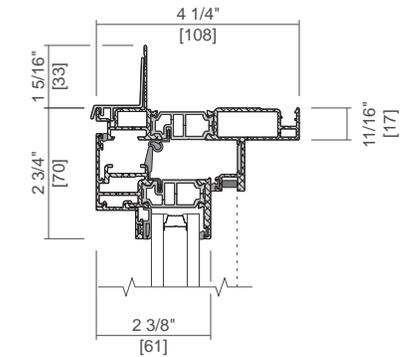
Square Bead



Bevel Bead



Narrow Bead



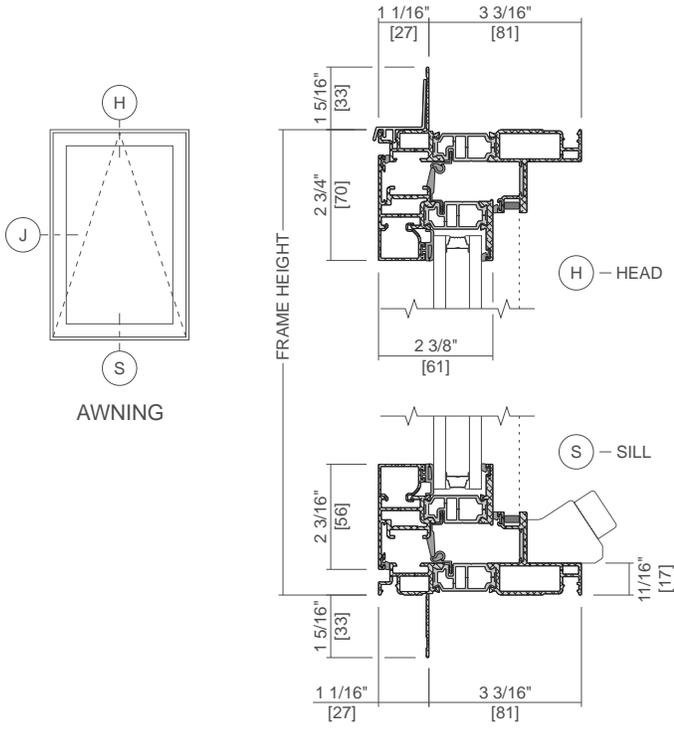
Scale 3" = 1' 0"

All dimensions are approximate.

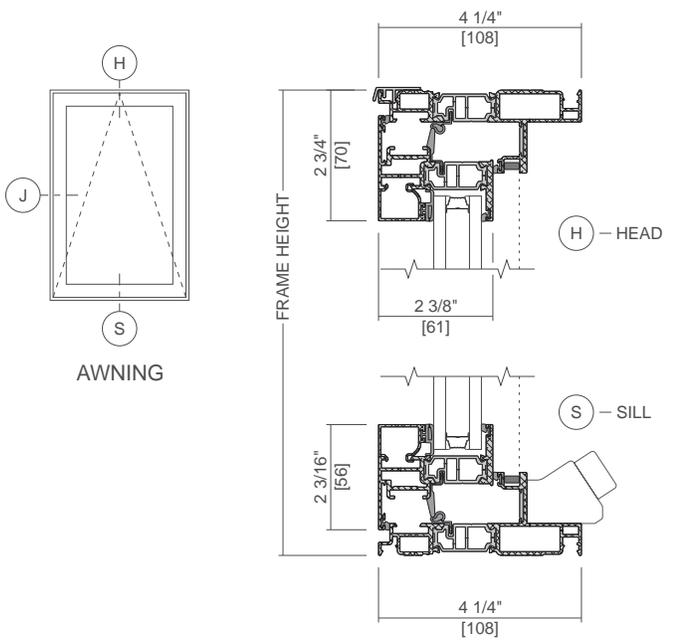
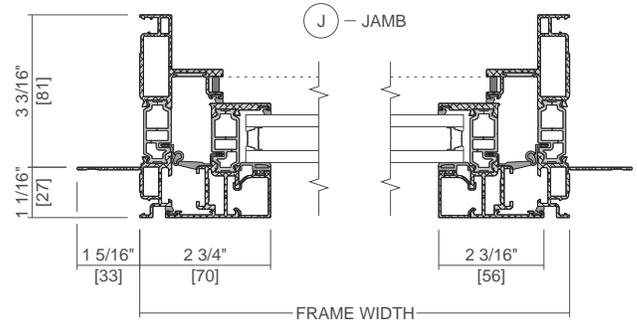


# Vista Series Premium Aluminum Awning Windows

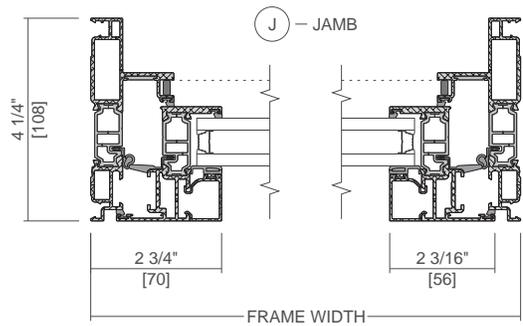
## Unit Sections - Frame Types



### STANDARD NAILING FIN



### STANDARD BLOCK FRAME



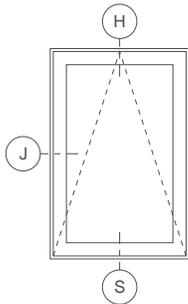
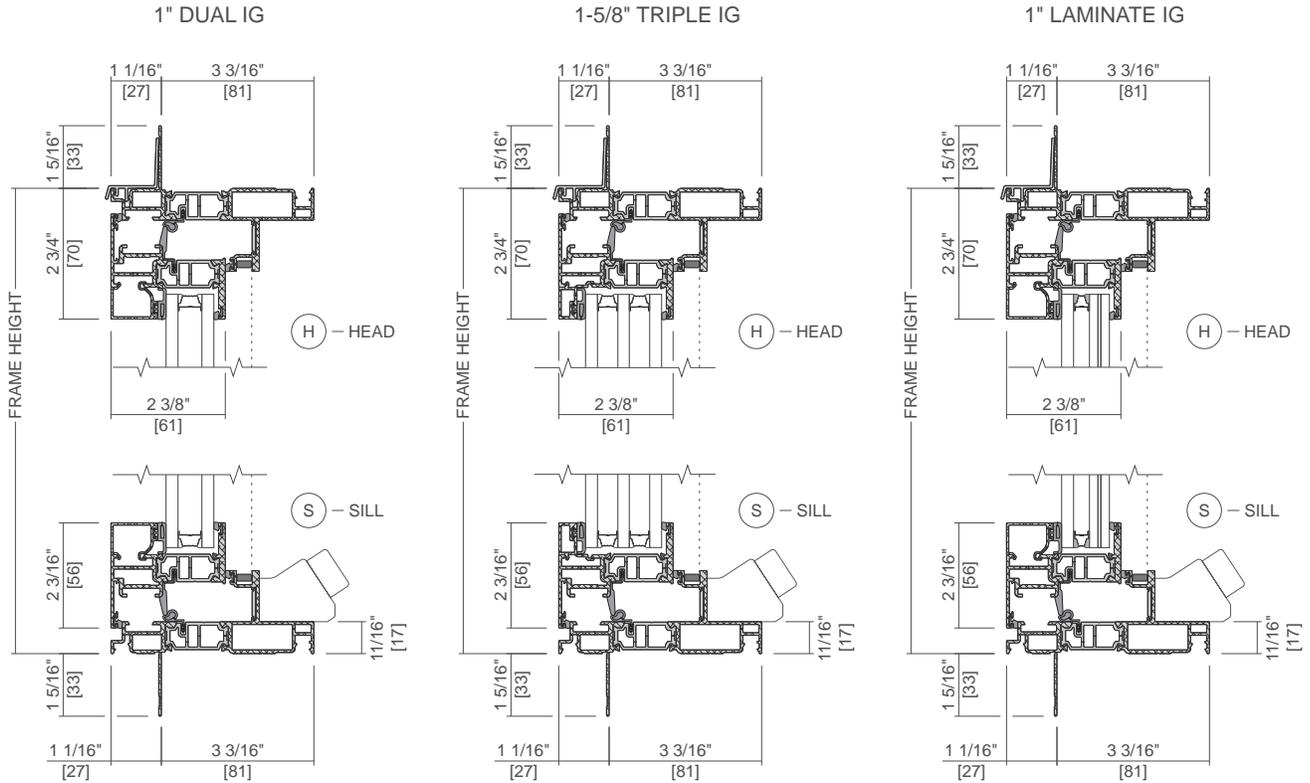
Scale 3" = 1' 0"

All dimensions are approximate.

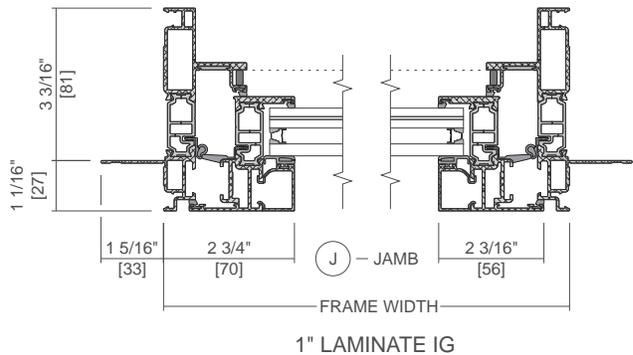
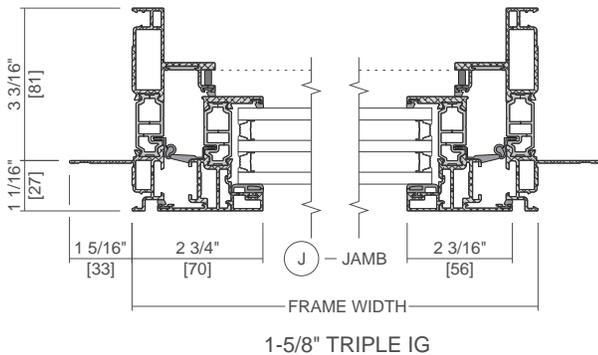
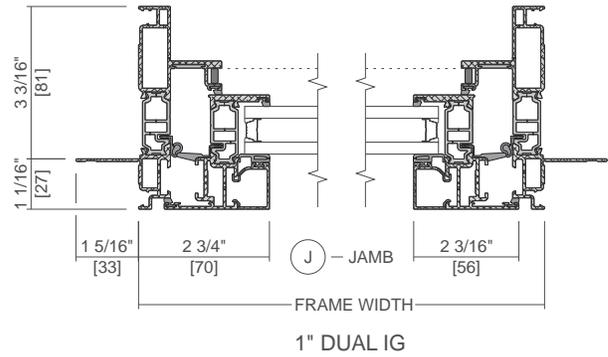


# Vista Series Premium Aluminum Awning Windows

## Unit Sections - Glazing Options



### GLAZING



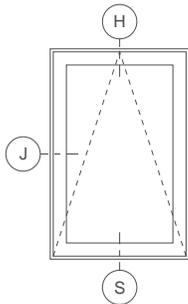
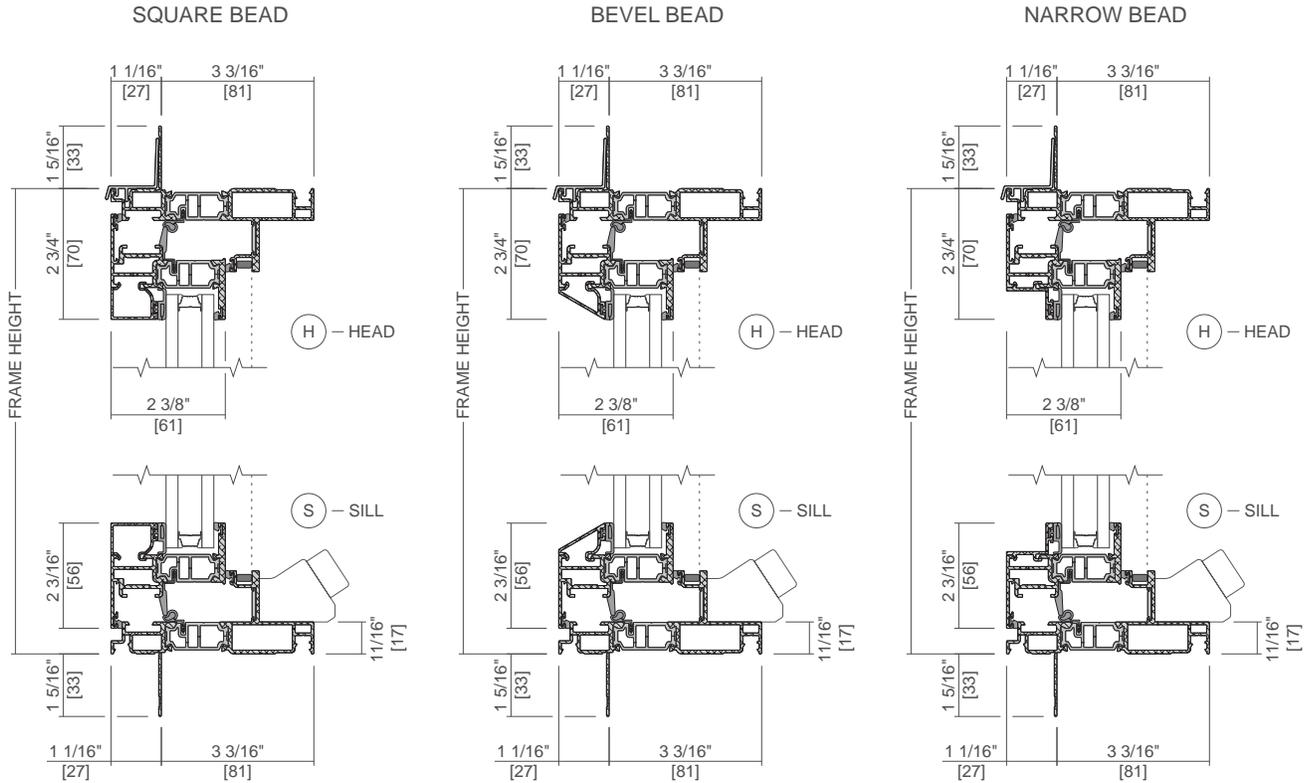
Scale 3" = 1' 0"

All dimensions are approximate.

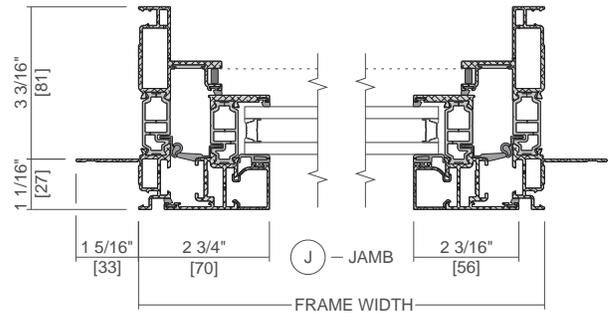


# Vista Series Premium Aluminum Awning Windows

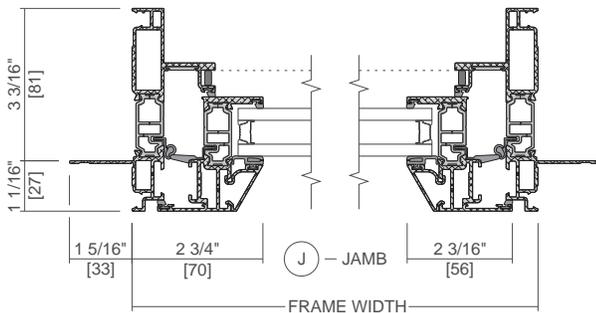
## Unit Sections - Glazing Beads



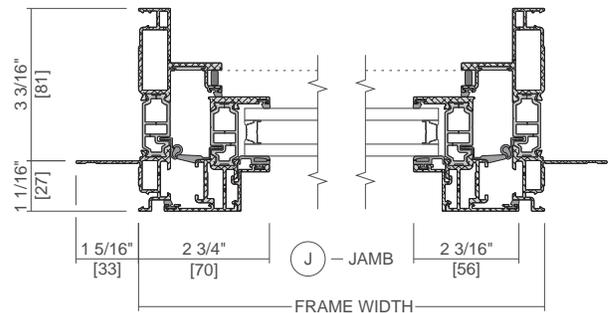
GLAZING BEAD PROFILE



SQUARE BEAD



BEVEL BEAD



NARROW BEAD

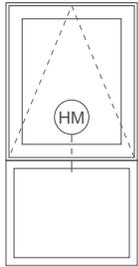
Scale 3" = 1' 0"

All dimensions are approximate.



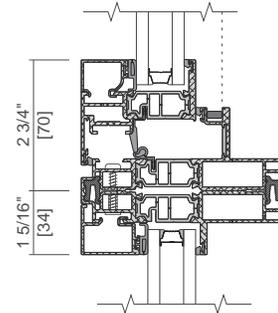
# Vista Series Premium Aluminum Awning Windows

## Unit Sections - Horizontal Mullions

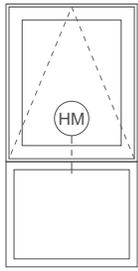


HORIZONTAL TIGHT MULLION

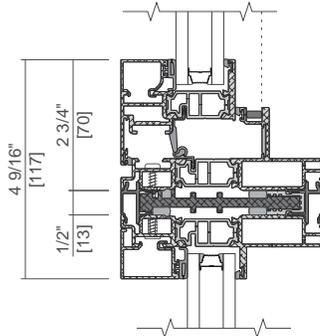
### HORIZONTAL MULLION



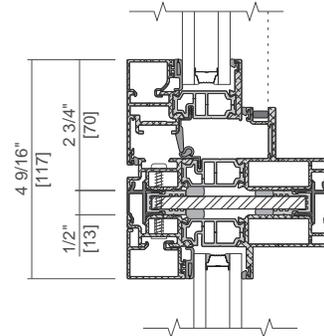
HM - HORIZONTAL TIGHT MULLION



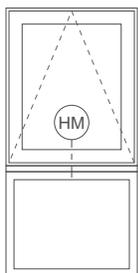
HORIZONTAL 1/2\"/>



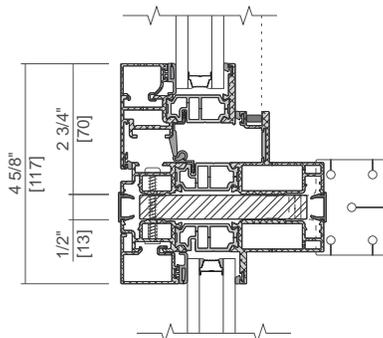
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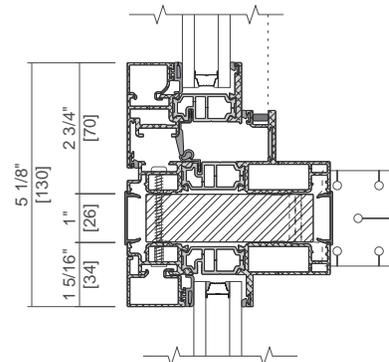
HM - HORIZONTAL 1/2\"/>



HORIZONTAL 1\"/>



HM - HORIZONTAL 1/2\"/>



HM - HORIZONTAL 1\"/>

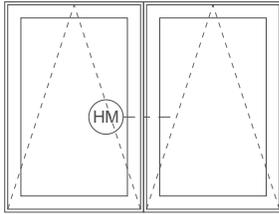
Scale 3" = 1' 0"

All dimensions are approximate.



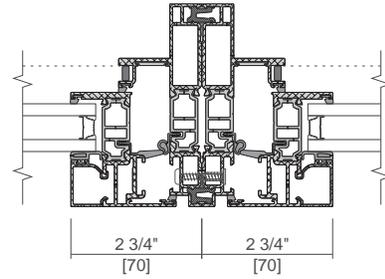
# Vista Series Premium Aluminum Awning Windows

## Unit Sections - Vertical Mullions

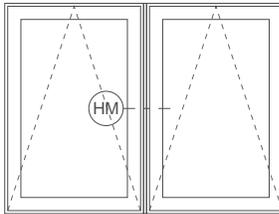


VERTICAL TIGHT  
MULLION

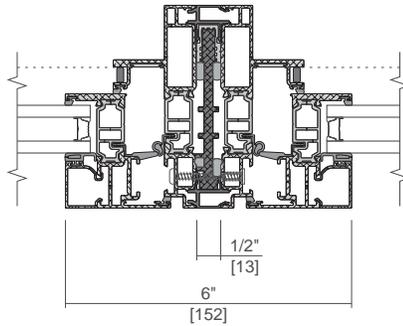
VERTICAL MULLION



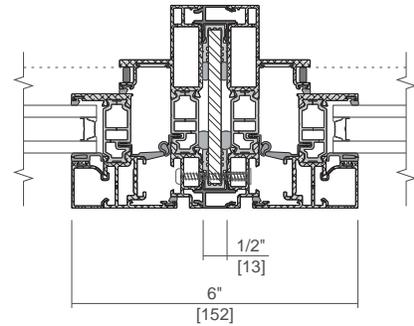
VM - VERTICAL  
TIGHT  
MULLION



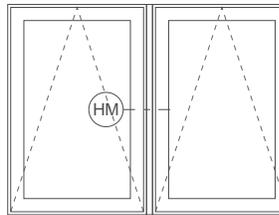
VERTICAL 1/2"  
REINFORCEMENT  
MULLION



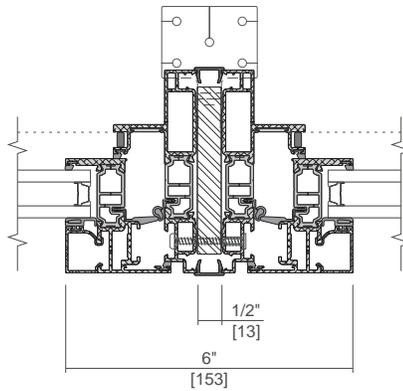
VM - VERTICAL 1/2" ALUMINUM  
REINFORCEMENT MULLION



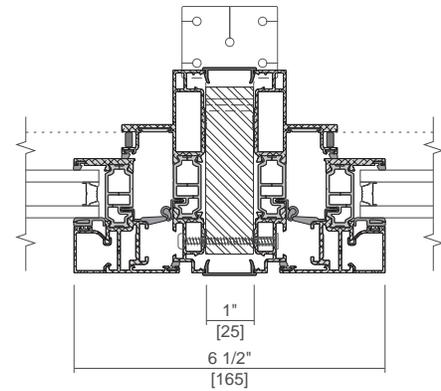
VM - VERTICAL 1/2" STEEL  
REINFORCEMENT MULLION



VERTICAL 1"  
REINFORCEMENT  
MULLION



VM - VERTICAL 1/2" ANCHORED  
STEEL REINFORCEMENT  
MULLION



VM - VERTICAL 1" ANCHORED  
STEEL REINFORCEMENT  
MULLION

Scale 3" = 1' 0"

All dimensions are approximate.