



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 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.

Supporting documents for this product:

Test Reports:

https://media.pella.com/professional/adm/CertificationReports/Test_Reports_AS-Clad.pdf?utm_source=pdfdoc

CSI Specs (readable using Microsoft Word or other text editing application):

https://media.pella.com/professional/adm/Wood-CSI_Specs/08551-PRC.rtf?utm_source=pdfdoc

AIA Masterspec (readable using Microsoft Word or other text editing application):

https://media.pella.com/professional/adm/Wood-CSI_Specs/Masterspec/08550FL_finished.rtf?utm_source=pdfdoc

Detailed Product Description (readable using Microsoft Word or other text editing application):

https://media.pella.com/professional/adm/Clad-Wood/ASProC-Awning-C.rtf?utm_source=pdfdoc

Size Tables (requires appropriate CAD software to read and use):

https://media.pella.com/professional/adm/Clad-Wood/PRC-AW-Elev_D.dwg?utm_source=pdfdoc

CAD cross sections (requires appropriate CAD software to read and use):

https://media.pella.com/professional/adm/Clad-Wood/PRC-AW-Detail_D.dwg?utm_source=pdfdoc

3D & BIM (requires appropriate software to read and use):

https://media.pella.com/professional/adm/RevitFiles/PR-Revit/Window-Awning-Pella-Reserve-Contemporary.zip?utm_source=pdfdoc

Sketchup (requires appropriate software to read and use):

https://media.pella.com/professional/adm/Clad-Wood-ASC/PellaSKP_PellaReserve_Contemporary_Awning.zip?utm_source=pdfdoc

Combination Recommendations:

https://media.pella.com/professional/adm/Clad-Wood/D_Combinations.pdf?utm_source=pdfdoc

Installation Details:

https://media.pella.com/professional/adm/Clad-Wood/F_InstallationDetails.pdf?utm_source=pdfdoc

Impact-Resistant Awning, Complete Product Information:

https://media.pella.com/professional/adm/Clad-Wood/Pella-ImpactResistant_Awning.pdf?utm_source=pdfdoc

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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 Pella representative for up-to-date product information.



Pella® Reserve™ Contemporary Awning Window

Size and Performance Data

Awning

Sizes	
Standard vent/fixed sizes	●
Special sizes available	●
Performance ₁	
Meets or Exceeds AAMA/WDMA Ratings	CW40 - CW50 Hallmark Certified
Air Infiltration (cfm/ft ² of frame @ 1.57 psf wind pressure) ₂	0.05
Water Resistance	7.5 psf
Design Pressure	40 - 50 psf
Other Performance Criteria	
Forced Entry Resistance Level (Minimum Security Grade) ₃	40
Operating Force (lb) Initiate Motion / Maintain Motion (of Hallmark tested size and glazing) ₄	15 / 6

Large Awning

Sizes	
Standard Vent Sizes	●
Special Sizes Available	●
Performance ₁	
Meets or Exceeds AAMA/WDMA Ratings	LC30 - LC40 Hallmark Certified
Air Infiltration (cfm/ft ² of frame @ 1.57 psf wind pressure) ₂	0.05
Water Resistance	7.5 psf
Design Pressure	30 - 40 psf
Other Performance Criteria	
Forced Entry Resistance Level (Minimum Security Grade) ₃	40
Operating Force (lb) Initiate Motion / Maintain Motion (of Hallmark tested size and glazing) ₄	15 / 6

Sound Transmission Class / Outdoor-Indoor Transmission Class

Product	Frame Size Tested ₅	Glazing System				STC Rating	OITC Rating
		Overall Glazing Thickness	Exterior Glass Thickness	Interior Glass Thickness	Third Pane Thickness		
Clad Awning Windows	Vent with No Grilles						
	59" x 23"	11/16"	2.5mm	2.5mm	—	26	23
	59" x 23"	11/16"	5mm	3mm	—	31	26
	59" x 23"	11/16"	3mm	6.0mm PVB	—	34	28
	Fixed with No Grilles						
	47" x 59"	11/16"	3mm	3mm	—	28	24
	47" x 59"	11/16"	5mm	3mm	—	31	26
	47" x 59"	11/16"	3mm	6.0mm PVB	—	33	29

(—) = Not Available

(1) Maximum performance for single unit when glazed with the appropriate glass thickness. See Design Data pages in this section for specific product performance class and grade values. Values shown are for standard and special sizes; Custom sizes may not have the same values. Contact your local sales representative for complete information.

(2) Published performance data for air infiltration is determined by testing a minimum of four (4) products of NFRC model size. Testing is conducted in accordance with ASTM E283. Air infiltration ratings for products will differ by size. The performance data does not apply to combination assemblies unless noted. Actual product performance may vary for a number of reasons including installation and product care.

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

(4) Glazing configurations may result in higher operational forces.

(5) ASTM E 1425 defines standard sizes for acoustical testing. Ratings achieved at that size are representative of all sizes of the same configuration.

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



Pella® Reserve™ Contemporary Awning Window

Features and Options

Standard	Options / Upgrades
Glazing	
Glazing Type	
Dual-Pane Insulating Glass	Triple-Pane Insulating Glass
Insulated Glass Options/Low-E Types	
Advanced Low-E	SunDefense™ Low-E
	SunDefense+ Low-E
	AdvancedComfort Low-E
	NaturalSun Low-E
	NaturalSun+ Low-E
	Clear (no Low-E coating)
Additional Glass Options	
Annealed Glass	Tempered Glass
	Obscure Glass ₁
	Tinted Glass (Bronze, Gray and Green)
	Noise reduction glass (5mm/3mm or 4mm/6mm combination)
	Noise reduction laminated glass (non-impact)
Gas Fill/High Altitude	
Argon	High altitude
	High Altitude with Argon
Exterior	
Exterior Sash Profile	
Square	—
Exterior Finish	
EnduraClad® protective finish	EnduraClad Plus protective finish
Interior	
Interior Sash Profile	
Square	—
Interior Finish	
Unfinished wood	Factory primed
	Factory prefinished paint ₁
	Factory prefinished stain ₁
Hardware	
Hardware Type	
Wash hinge Hardware	—
Hardware Style	
Saldo, Fold-Away crank	—
Hardware Finishes	
Champagne, White, Brown or Matte Black	Satin Nickel, Oil-Rubbed Bronze, Polished Chrome, Polished Nickel
Sash Locks	
SureLock® System	—
Unison Lock System ₂	—
Grilles	
Integral Light Technology® Grilles	
—	Traditional, Prairie, Top Row, Cross or Custom-Equally Divided
Grilles-Between-the-Glass	
—	Traditional, Prairie, Top Row ₁ , Cross or Custom-Equally Divided
Screens	
—	InView™ screens

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

(2) Unit width determines availability.



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 attached together by a direct or reinforcing mullion.

Pella window combinations are available in a variety of arrangements. Below are some examples available factory-assembled combinations. See the Combinations Recommendations document for typical mullions, requirements and limitations.

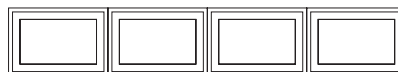
Contact your local Pella sales representative for more information.



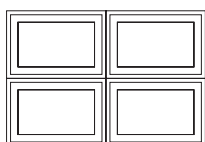
Two-Wide



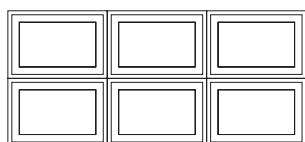
Three-Wide



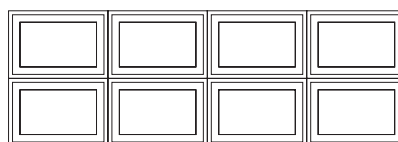
Four-Wide



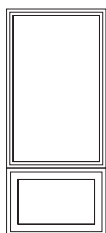
Two-Wide
Two-High



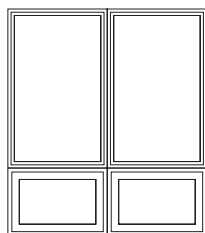
Three-Wide
Two-High



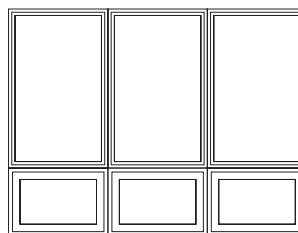
Four-Wide
Two-High



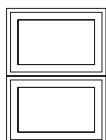
Clad Frame over
Single-Wide



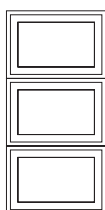
Two-Wide Clad Frame
over Two-Wide



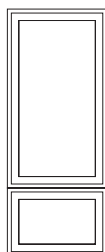
Three-Wide Clad Frame
over Three-Wide



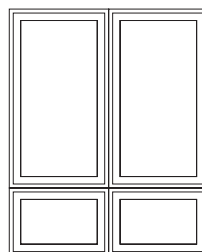
Two-High



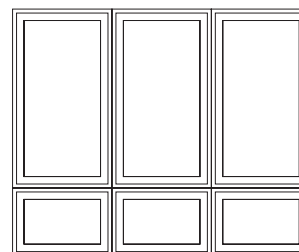
Three-High



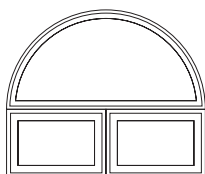
Casement over
Single



Two-Wide Casement over
Two-Wide Awning



Three-Wide Casement over
Three-Wide Awning



Half Circle over
Two-Wide



Pella® Reserve™ Contemporary Awning Window

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						
			ENCt.	Int.		U-Factor	SHGC	VLT %	CR	U. S.				Canada ₂		
										Zone				ER		
Vent Dual-Pane Glazing Awning and Large Awning — Aluminum-Clad Exterior											N	NC	SC	S	CA	
11/16"	Clear IG	PEL-N-30-14359-00001	3	3	air	0.46	0.57	0.59	42							
	with grilles-between-the-glass	PEL-N-30-14360-00001				0.46	0.52	0.54	42							
	with integral grilles	PEL-N-30-14361-00001				0.45	0.52	0.54	42							
11/16"	Advanced Low-E IG	PEL-N-30-14551-00001	3	3	argon	0.29	0.27	0.51	56							
	with grilles-between-the-glass	PEL-N-30-14552-00001				0.29	0.25	0.46	56							
	with integral grilles	PEL-N-30-14553-00001				0.29	0.25	0.46	56							
11/16"	SunDefense™ Low-E IG	PEL-N-30-14555-00001	3	3	argon	0.28	0.20	0.47	56			SC	S			
	with grilles-between-the-glass	PEL-N-30-14556-00001				0.28	0.19	0.42	56			SC	S			
	with integral grilles	PEL-N-30-14557-00001				0.29	0.19	0.42	56				S			
11/16"	SunDefense+ Low-E IG	PEL-N-30-15315-00001	3	3	argon	0.25	0.20	0.46	44		NC	SC	S			
	with grilles-between-the-glass	PEL-N-30-15316-00001				0.25	0.18	0.41	44		NC	SC	S			
	with integral grilles	PEL-N-30-15317-00001				0.25	0.18	0.41	44		NC	SC	S			
11/16"	AdvancedComfort Low-E IG	PEL-N-30-14563-00001	3	3	argon	0.26	0.27	0.49	44							
	with grilles-between-the-glass	PEL-N-30-14564-00001				0.26	0.24	0.45	44							
	with integral grilles	PEL-N-30-14565-00001				0.26	0.24	0.45	44							
11/16"	NaturalSun Low-E IG	PEL-N-30-14559-00001	3	3	argon	0.30	0.50	0.57	56							
	with grilles-between-the-glass	PEL-N-30-14560-00001				0.30	0.46	0.52	56							
	with integral grilles	PEL-N-30-14561-00001				0.30	0.46	0.52	56							
11/16"	NaturalSun+ Low-E IG	PEL-N-30-15243-00001	3	3	argon	0.26	0.46	0.56	43	N				34	CA	
	with grilles-between-the-glass	PEL-N-30-15244-00001				0.26	0.42	0.51	43	N						
	with integral grilles	PEL-N-30-15245-00001				0.26	0.42	0.51	43	N						
Tinted Glazing																
11/16"	Bronze Advanced Low-E IG	PEL-N-30-14687-00002	5	3	argon	0.30	0.24	0.33	55							
	with grilles-between-the-glass	PEL-N-30-14688-00002				0.30	0.22	0.30	55				S			
	with integral grilles	PEL-N-30-14689-00002				0.30	0.22	0.30	55				S			
11/16"	Gray Advanced Low-E IG	PEL-N-30-14687-00003	5	3	argon	0.30	0.22	0.28	55				S			
	with grilles-between-the-glass	PEL-N-30-14688-00003				0.30	0.20	0.26	55				S			
	with integral grilles	PEL-N-30-14689-00003				0.30	0.20	0.26	55				S			
11/16"	Green Advanced Low-E IG	PEL-N-30-14687-00004	5	3	argon	0.30	0.27	0.44	55							
	with grilles-between-the-glass	PEL-N-30-14688-00004				0.30	0.25	0.40	55							
	with integral grilles	PEL-N-30-14689-00004				0.30	0.25	0.40	55							
High Altitude Glazing																
11/16"	Advanced Low-E IG	PEL-N-30-14383-00001	3	3	air	0.32	0.27	0.51	52							
	with grilles-between-the-glass	PEL-N-30-14384-00001				0.32	0.25	0.46	52							
	with integral grilles	PEL-N-30-14385-00001				0.33	0.25	0.46	52							
11/16"	SunDefense Low-E IG	PEL-N-30-14407-00001	3	3	air	0.32	0.21	0.47	52				S			
	with grilles-between-the-glass	PEL-N-30-14408-00001				0.32	0.19	0.42	52				S			
	with integral grilles	PEL-N-30-14409-00001				0.32	0.19	0.42	52				S			
11/16"	SunDefense+ Low-E IG	PEL-N-30-15311-00001	3	3	air	0.28	0.20	0.46	40			SC	S			
	with grilles-between-the-glass	PEL-N-30-15312-00001				0.28	0.18	0.41	40			SC	S			
	with integral grilles	PEL-N-30-15313-00001				0.28	0.18	0.41	40			SC	S			
11/16"	AdvancedComfort Low-E IG	PEL-N-30-14455-00001	3	3	air	0.28	0.27	0.49	40							
	with grilles-between-the-glass	PEL-N-30-14456-00001				0.28	0.24	0.45	40							
	with integral grilles	PEL-N-30-14457-00001				0.28	0.24	0.45	40							
11/16"	NaturalSun Low-E IG	PEL-N-30-14431-00001	3	3	air	0.33	0.50	0.57	52							
	with grilles-between-the-glass	PEL-N-30-14432-00001				0.33	0.45	0.52	52							
	with integral grilles	PEL-N-30-14433-00001				0.34	0.45	0.52	52							
11/16"	NaturalSun+ Low-E IG	PEL-N-30-15239-00001	3	3	air	0.29	0.45	0.56	39							
	with grilles-between-the-glass	PEL-N-30-15240-00001				0.29	0.41	0.51	39							
	with integral grilles	PEL-N-30-15241-00001				0.29	0.41	0.51	39							

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

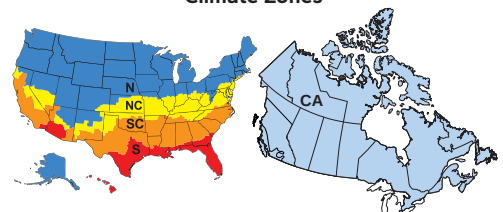
(1) Glazing performance values are calculated for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 20236 (Version 7) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2015 initiative.

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

See the Product Performance section for more detailed information or visit www.energystar.gov for Energy Star guidelines.

Climate Zones





Pella® Reserve™ Contemporary Awning Window

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.	Mid	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂		
											Zone	ER					
Vent Triple-Pane Glazing Awning and Large Awning - Aluminum-Clad Exterior											N	NC	SC	S		CA	
1"	Advanced Low-E IG	PEL-N-30-14571-00001	3	3	3	argon	0.23	0.25	0.45	66		NC					
	with grilles-between-the-glass	PEL-N-30-14572-00001					0.23	0.23	0.4	66		NC	SC	S			
	with integral grilles	PEL-N-30-14573-00001					0.23	0.23	0.4	66		NC	SC	S			
1"	SunDefense™ Low-E IG	PEL-N-30-14575-00001	3	3	3	argon	0.22	0.18	0.41	67	N	NC	SC	S			
	with grilles-between-the-glass	PEL-N-30-14576-00001					0.23	0.17	0.37	67		NC	SC	S			
	with integral grilles	PEL-N-30-14577-00001					0.23	0.17	0.37	67		NC	SC	S			
1"	NaturalSun Low-E IG	PEL-N-30-14567-00001	3	3	3	argon	0.23	0.41	0.5	66	N				35	CA	
	with grilles-between-the-glass	PEL-N-30-14568-00001					0.23	0.37	0.46	66	N	NC					
	with integral grilles	PEL-N-30-14569-00001					0.23	0.37	0.46	66	N	NC					
High Altitude Glazing																	
1"	Advanced Low-E IG	PEL-N-30-14507-00001	3	3	3	air	0.26	0.25	0.45	63							
	with grilles-between-the-glass	PEL-N-30-14508-00001					0.26	0.23	0.4	63			SC	S			
	with integral grilles	PEL-N-30-14509-00001					0.26	0.23	0.4	63			SC	S			
1"	SunDefense Low-E IG	PEL-N-30-14515-00001	3	3	3	air	0.26	0.19	0.41	63			SC	S			
	with grilles-between-the-glass	PEL-N-30-14516-00001					0.26	0.17	0.37	63			SC	S			
	with integral grilles	PEL-N-30-14517-00001					0.26	0.17	0.37	63			SC	S			
1"	NaturalSun Low-E IG	PEL-N-30-14499-00001	3	3	3	air	0.26	0.41	0.5	63	N						
	with grilles-between-the-glass	PEL-N-30-14500-00001					0.26	0.37	0.46	63							
	with integral grilles	PEL-N-30-14501-00001					0.26	0.37	0.46	63							

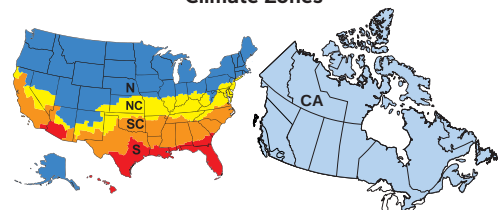
R-Value = 1/U-Factor
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Based on unit size, some products will use 2.5 mm glass that will have equivalent or improved performance from what is shown. See the Product Performance section for more detailed information or visit www.energystar.gov for Energy Star guidelines.

Climate Zones



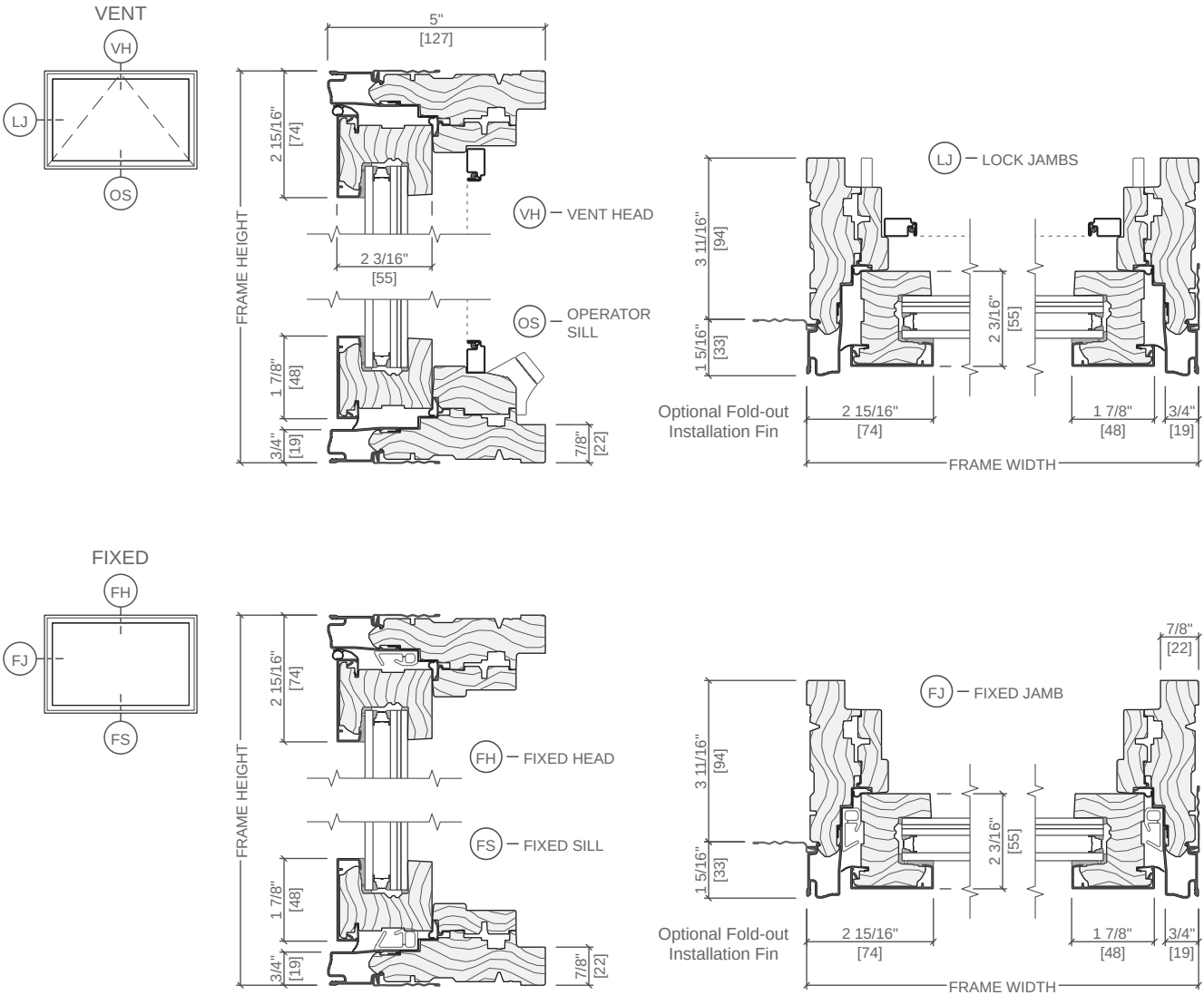


Pella® Reserve™ Contemporary Awning Window

Products with Impact-Resistant Glass

For a complete list of ratings, refer to the Impact-Resistant product section.

Product	Design Pressure Large Missile Rating D		Hallmark Certified	Florida Product Approval System
	Minimum	Maximum		
Vent				
11/16" Insulated Glass PVB	75	75	411-H-1339	FL10026.1
1" Insulated Glass SGP	75	+75 / -85	411-H-1339	FL10026.2
Large Fixed				
11/16" Insulated Glass PVB	+55 / -60	+60 / -75	411-H-1339	FL10022.1
1" Insulated Glass SGP	+55 / -60	+60 / -85	411-H-1339	FL10022.4



All sizes and glass types are tested for air/water/structural and impact-resistance, and are certified for wind zone 4, large missile rating D. Florida Product Approval System number not needed if Miami-Dade County approved.

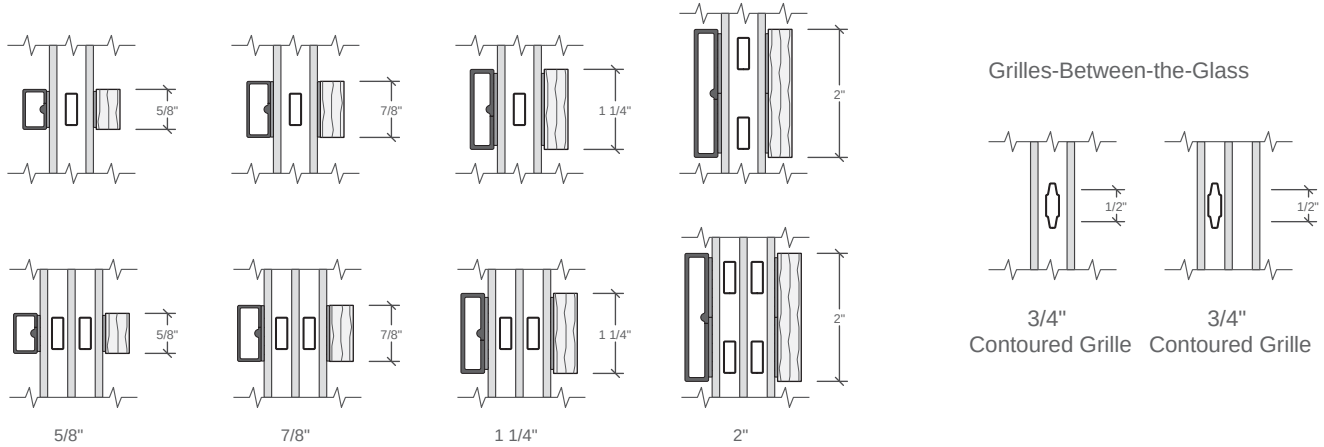


Grilles

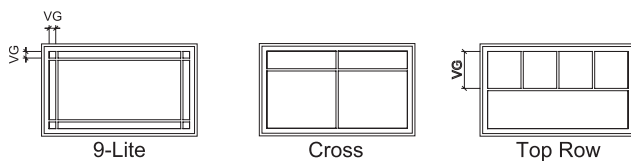
Contemporary Style Collection - Integral Light Technology®

Square Grilles

Clad Exterior - Wood Interior



Integral Light Technology® Grilles



9-Lite Prairie

- Standard corner lite dimension for Prairie patterns = 2-1/2" VG.
- Available in all standard and special sizes.

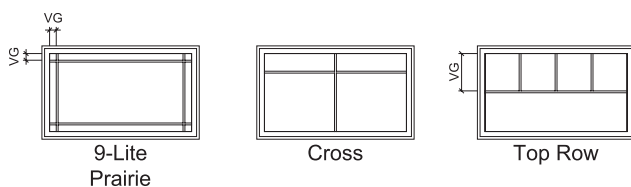
Cross

- Standard visible glass to separator bar = one-quarter of total visible glass height.

Top Row

- Standard visible glass to separator bar = 14" or half of total visible glass height, whichever is smaller.
- Available with mixed grille widths.

Grilles-Between-the-Glass



Cross

- Available for units with frame heights ≥35". Standard visible glass to separator bar = 1/4 of total visible glass height.

Top Row

- Standard visible glass to separator bar = 14" for frame heights >35". Standard visible glass to separator bar = 21" for 35" frame heights and optional for 41" frame height. Separator bar at 12" or 16" optional for frame heights >41".

For traditional patterns, see size tables.

VG = Visible Glass

Lite dimensions noted can vary.

Custom configurations are also available, for details contact your local Pella sales representative.



Pella® Reserve™ Contemporary Awning Window

Size Tables

	(451) (432)	(552) (533)	(603) (584)	(654) (635)	(756) (737)	(832) (813)	(908) (889)	(1 060) (1 041)	(1 213) (1 194)	(1 365) (1 346)	(1 518) (1 499)
Opening	1' 5 3/4"	1' 9 3/4"	1' 11 3/4"	2' 1 3/4"	2' 5 3/4"	2' 8 3/4"	2' 11 3/4"	3' 5 3/4"	3' 11 3/4"	4' 5 3/4"	4' 11 3/4"
Frame	1' 5"	1' 9"	1' 11"	2' 1"	2' 5"	2' 8"	2' 11"	3' 5"	3' 11"	4' 5"	4' 11"
2' 5 3/4" (756) (737)	 1717	 2117	 2317	 2517	 2917	 3217	 3517	 4117	 4717	 5317	 5917
		 2121	 2321	 2521	 2921	 3221	 3521	 4121	 4721	 5321	 5921
			 2323	 2523	 2923	 3223	 3523	 4123	 4723	 5323	 5923
				 2525	 2925	 3225	 3525	 4125	 4725	 5325	 5925
					 2929	 3229	 3529	 4129	 4729	 5329	 5929

Clad Exterior: Dimensions shown in tables are rough opening dimensions.

Not to scale.
All units are available as fixed in the Casement section.
Traditional grille patterns shown.
Contact your local Pella representative for the availability of custom sizes smaller or larger than the parameters shown, Triple-Glazing or other custom fixed shapes.



Pella® Reserve™ Contemporary Awning Window

Size Tables - Large Awning

	(603) (584)	(654) (635)	(756) (737)	(832) (813)	(908) (889)	(1 060) (1 041)	(1 213) (1 194)	(1 365) (1 346)	(1 518) (1 499)
Opening	1' 11 3/4"	2' 1 3/4"	2' 5 3/4"	2' 8 3/4"	2' 11 3/4"	3' 5 3/4"	3' 11 3/4"	4' 5 3/4"	4' 11 3/4"
Frame	1' 11"	2' 1"	2' 5"	2' 8"	2' 11"	3' 5"	3' 11"	4' 5"	4' 11"
(1 552) (553)	 2321	 2521	 2921	 3221	 3521	 4121	 4721	 5321	 5921
(603) (604)	 2323	 2523	 2923	 3223	 3523	 4123	 4723	 5323	 5923
(654) (655)	 2325	 2525	 2925	 3225	 3525	 4125	 4725	 5325	 5925
(756) (757)	 2329	 2529	 2929	 3229	 3529	 4129	 4729	 5329	 5929
(832) (833)	 2332	 2532	 2932	 3232	 3532	 4132	 4732	 5332	 5932
(908) (909)	 2335	 2535	 2935	 3235	 3535	 4135	 4735	 5335	 5935
(1 060) (1 041)	 2341	 2541	 2941	 3241	 3541	 4141	 4741	 5341	 5941
(1 213) (1 194)	 2347	 2547	 2947	 3247	 3547	 4147	 4747	 5347	 5947
(1 365) (1 346)	 2353	 2553	 2953	 3253	 3553	 4153	 4753	 5353	 5953
(1 518) (1 499)	 2359	 2559	 2959	 3259	 3559	 4159	 4759	 5359	 5959
(1 670) (1 651)	 2365	 2565	 2965	 3265	 3565	 4165	 4765	 5365	 5965
(1 822) (1 803)	 2371	 2571	 2971	 3271	 3571	 4171	 4771	 5371	 5971
(1 873) (1 854)	 2373	 2573	 2973	 3273	 3573	 4173	 4773	 5373	 5973
6' 1 3/4"									
6' 1"									

Opening Dimensions

Clad Exterior: Dimensions shown in tables are rough opening dimensions.

Not to scale.
Traditional grille patterns shown.
All units are available as fixed in the Casement section.
Contact your local Pella representative for the availability of custom sizes smaller or larger than the parameters shown, Triple-pane Glazing or other custom fixed shapes.



Awning Special Size Frame Dimensions*

	Minimum	Maximum
Vent	1' 1-3/4" W x 1' 1-3/4" H (13.75" x 13.75") (349 x 349)	6'1" in one direction (73") (1 854)
Fixed	10" W x 10" H (254 x 254)	12' in one direction (144") (3 658)

* Available within size range shown. Contact your local Pella representative for availability of Triple-Glazing on larger custom unit sizes.

Max Vent frame area cannot be greater than 19.5 sq ft.

One side must be ≤ 59"

Max Glass Area cannot be greater than 48 sq ft.

Max Fixed frame area cannot be greater than 66.25 sq ft.

One side must be ≤ 87.375"

Max Glass Area cannot be greater than 60 sq ft.

Keep frame dimensions to the nearest 1/8" increment. Frame height cannot exceed frame width on special size vent units.

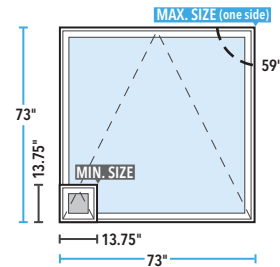
If Frame Width or Height > 96" OR Frame Area > 40.1 sq. ft. OR Glass Area > 36 sq. ft., Stiles and rails must be at least 1.875".

Awning windows do not allow for egress, sash is limited to ≈2" opening for units ≤ 23" frame width or frame height, and ≈4-1/2" opening for units >23" frame width or frame height.

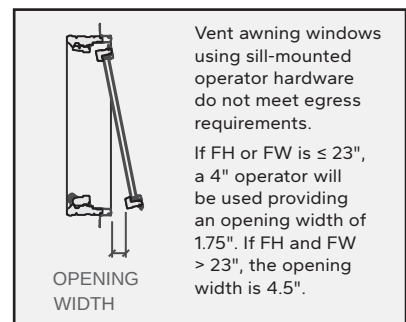
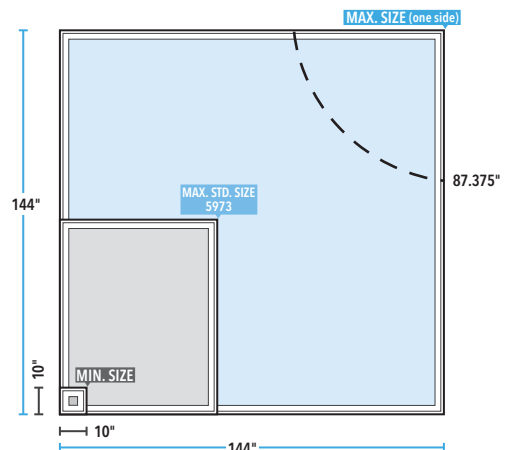
Awning Miscellaneous Formulas

	Standard Rail and Stile Width (1.46")	Rail and Stile Width (1.875")
Visible Glass	Width = Frame – 2.46 x 2 Height = Frame – 2.46 x 2	Width = Frame – 2.46 x 2 Height = Frame – 2.46 x 2
Actual Glass	Width = Frame – 4" Height = Frame – 4"	Width = Frame – 4" Height = Frame – 4"

Vent Awning



Fixed Awning





Pella® Reserve™ Contemporary Awning Window

Design Data

Vent and Fixed

Unit	Vent Area Ft²		Visible Glass Ft²	Standard Glass Thickness (mm)				Performance Class & Grade ¹		
	Jamb Operator	Sill Operator		Dual-Pane Glazing		Triple-Pane Glazing		Vent		Fixed
				Annealed	Tempered	Annealed	Tempered	Jamb Operator	Sill Operator	
1717	0.8	0.1	1.0	2.5	3	3	3	CW50	-	CW50
2117	1.1	0.1	1.3	2.5	3	3	3	CW50	LC40	CW50
2121	1.5	0.1	1.8	2.5	3	3	3	CW50	LC40	CW50
2123	-	0.1	2.0	2.5	3	3	3	CW50	LC40	CW50
2317	1.2	0.1	1.5	2.5	3	3	3	CW50	LC40	CW50
2321	1.7	0.1	2.0	2.5	3	3	3	CW50	LC40	CW50
2323	2.0	0.1	2.3	2.5	3	3	3	CW50	LC40	CW50
2325	-	0.1	2.5	2.5	3	3	3	-	LC40	CW50
2329	-	0.2	3.0	2.5	3	3	3	-	LC40	CW50
2332	-	0.2	3.4	2.5	3	3	3	-	LC40	CW50
2335	-	0.2	3.8	2.5	3	3	3	-	LC40	CW50
2341	-	0.2	4.5	2.5	3	3	3	-	LC40	CW50
2347	-	0.2	5.3	2.5	3	3	3	-	LC40	CW50
2353	-	0.2	6.0	2.5	3	3	3	-	LC40	CW50
2359	-	0.3	6.8	2.5	3	3	3	-	LC40	CW45/CW50
2365	-	0.3	7.5	2.5	3	3	3	-	LC30	CW40/CW50
2371	-	0.3	8.3	2.5	3	3	3	-	LC30	CW35/CW50
2373	-	0.3	8.5	2.5	3	3	3	-	LC30	CW35/CW50
2517	1.4	0.1	1.7	2.5	3	3	3	CW50	LC40	CW50
2521	1.9	0.1	2.2	2.5	3	3	3	CW50	LC40	CW50
2523	2.2	0.1	2.5	2.5	3	3	3	CW50	LC40	CW50
2525	2.5	1.4	2.8	2.5	3	3	3	CW50	LC40	CW50
2529	3.0	1.5	3.4	2.5	3	3	3	-	LC40	CW50
2532	-	1.6	3.8	2.5	3	3	3	-	LC40	CW50
2535	-	1.7	4.2	2.5	3	3	3	-	LC40	CW50
2541	-	1.9	5.0	2.5	3	3	3	-	LC40	CW50
2547	-	2.1	5.9	2.5	3	3	3	-	LC40	CW50
2553	-	2.3	6.7	2.5	3	3	3	-	LC40	CW50
2559	-	2.5	7.5	2.5	3	3	3	-	LC40	CW45/CW50
2565	-	2.7	8.4	2.5	3	3	3	-	LC30	CW40/CW50
2571	-	2.8	9.2	2.5	3	3	3	-	LC30	CW35/CW50
2573	-	2.9	9.5	2.5	3	3	3	-	LC30	CW30/CW50
2917	1.6	0.1	2.0	2.5	3	3	3	CW50	LC40	CW50
2921	2.3	0.2	2.7	2.5	3	3	3	CW50	LC40	CW50
2923	2.6	0.2	3.0	2.5	3	3	3	CW50	LC40	CW50
2925	3.0	1.5	3.4	2.5	3	3	3	CW50	LC40	CW50
2929	3.6	1.7	4.0	2.5	3	3	3	CW50	LC40	CW50
2932	-	1.8	4.5	2.5	3	3	3	-	LC40	CW50
2935	-	1.8	5.0	2.5	3	3	3	-	LC40	CW50
2941	-	2.0	6.0	2.5	3	3	3	-	LC40	CW50
2947	-	2.2	7.0	2.5	3	3	3	-	LC40	CW50
2953	-	2.4	8.0	2.5	3	3	3	-	LC40	CW50
2959	-	2.6	9.0	2.5	3	3	3	-	LC40	CW45/CW50
2965	-	2.8	10.0	2.5	3	3	3	-	LC30	CW40/CW50
2971	-	3.0	11.1	3	3	3	3	-	LC30	CW45/CW50
2973	-	3.0	11.4	3	3	3	3	-	LC30	CW45/CW50

Continued on the next page

(-) = Not Applicable

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



Pella® Reserve™ Contemporary Awning Window

Design Data

Vent and Fixed										
Unit	Vent Area Ft²		Visible Glass Ft²	Standard Glass Thickness (mm)				Performance Class & Grade ¹		
	Jamb Operator	Sill Operator		Dual-Pane Glazing		Triple-Pane Glazing		Vent		Fixed
				Annealed	Tempered	Annealed	Tempered	Jamb Operator	Sill Operator	
3217	1.8	0.2	2.3	2.5	3	3	3	CW50	LC40	CW50
3221	2.6	0.2	3.0	2.5	3	3	3	CW50	LC40	CW50
3223	3.0	0.2	3.4	2.5	3	3	3	CW50	LC40	CW50
3225	3.3	1.6	3.8	2.5	3	3	3	CW50	LC40	CW50
3229	4.1	1.8	4.5	2.5	3	3	3	CW50	LC40	CW50
3232	-	1.8	5.1	2.5	3	3	3	-	LC40	CW50
3235	-	1.9	5.7	2.5	3	3	3	-	LC40	CW50
3241	-	2.1	6.8	2.5	3	3	3	-	LC40	CW50
3247	-	2.3	7.9	2.5	3	3	3	-	LC40	CW50
3253	-	2.5	9.0	2.5	3	3	3	-	LC40	CW50
3259	-	2.7	10.2	2.5	3	3	3	-	LC40	CW45/CW50
3265	-	2.9	11.3	3	3	3	3	-	LC30	CW50
3271	-	3.1	12.4	3	3	3	3	-	LC30	CW45/CW50
3273	-	3.1	12.8	3	3	3	3	-	LC30	CW45/CW50
3517	2.0	0.2	2.5	2.5	3	3	3	CW50	LC40	CW50
3521	2.9	0.2	3.4	2.5	3	3	3	CW50	LC40	CW50
3523	3.3	0.2	3.8	2.5	3	3	3	CW50	LC40	CW50
3525	3.7	1.7	4.2	2.5	3	3	3	CW50	LC40	CW50
3529	4.5	1.8	5.0	2.5	3	3	3	CW50	LC40	CW50
3232	-	1.8	5.1	2.5	3	3	3	-	LC40	CW50
3535	-	2.0	6.3	2.5	3	3	3	-	LC40	CW50
3541	-	2.2	7.5	2.5	3	3	3	-	LC40	CW50
3547	-	2.4	8.8	2.5	3	3	3	-	LC40	CW50
3553	-	2.6	10.0	2.5	3	3	3	-	LC40	CW45/CW50
3559	-	2.8	11.3	3	3	3	3	-	LC40	CW50
3565	-	3.0	12.6	3	3	3	3	-	LC30	CW50
3571	-	3.2	13.8	3	3	3	3	-	LC30	CW45/CW50
3573	-	3.2	14.2	3	3	3	3	-	LC30	CW45/CW50
4117	2.4	0.2	3.0	2.5	3	3	3	CW50	LC40	CW50
4121	3.4	0.2	4.0	2.5	3	3	3	CW50	LC40	CW50
4123	3.9	0.2	4.5	2.5	3	3	3	CW50	LC40	CW50
4125	4.4	1.9	5.0	2.5	3	3	3	CW50	LC40	CW50
4129	5.4	2.0	6.0	2.5	3	3	3	CW50	LC40	CW50
4132	-	2.1	6.8	2.5	3	3	3	-	LC40	CW50
4135	-	2.2	7.5	2.5	3	3	3	-	LC40	CW50
4141	-	2.4	9.0	2.5	3	3	3	-	LC40	CW50
4147	-	2.6	10.5	3	3	3	3	-	LC40	CW50
4153	-	2.8	12.0	3	3	3	3	-	LC40	CW50
4159	-	3.0	13.6	3	3	3	3	-	LC40	CW50
4165	-	3.2	15.1	3	3	3	3	-	LC30	CW50
4171	-	3.3	16.6	3	3	3	3	-	LC30	CW45/CW50
4173	-	3.4	17.1	3	3	3	3	-	LC30	CW45/CW50

Continued on the next page

(-) = Not Applicable

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



Pella® Reserve™ Contemporary Awning Window

Design Data

Vent and Fixed										
Unit	Vent Area Ft²		Visible Glass Ft²	Standard Glass Thickness (mm)				Performance Class & Grade ¹		
	Jamb Operator	Sill Operator		Dual-Pane Glazing		Triple-Pane Glazing		Vent		Fixed
				Annealed	Tempered	Annealed	Tempered	Jamb Operator	Sill Operator	
4717	2.8	0.2	3.5	2.5	3	3	3	CW50	LC40	CW50
4721	4.0	0.2	4.7	2.5	3	3	3	CW50	LC40	CW50
4723	4.6	0.2	5.3	2.5	3	3	3	CW50	LC40	CW50
4725	5.2	2.1	5.9	2.5	3	3	3	CW50	LC40	CW50
4729	6.3	2.2	7.0	2.5	3	3	3	CW50	LC40	CW50
4732	-	2.3	7.9	2.5	3	3	3	-	LC40	CW50
4735	-	2.4	8.8	2.5	3	3	3	-	LC40	CW50
4741	-	2.6	10.5	3	3	3	3	-	LC40	CW50
4747	-	2.8	12.3	3	3	3	3	-	LC40	CW50
4753	-	3.0	14.1	3	3	3	3	-	LC40	CW50
4759	-	3.2	15.8	3	3	3	3	-	LC40	CW45/CW50
4765	-	3.3	17.6	4	3	3	3	-	LC30	CW45/CW50
4771	-	3.5	19.3	4	4	4	4	-	LC30	CW50
4773	-	3.6	19.9	4	4	4	4	-	LC30	CW50
5317	3.3	0.2	4.0	2.5	3	3	3	CW50	LC40	CW50
5321	4.6	0.2	5.4	2.5	3	3	3	CW50	LC40	CW50
5323	5.3	0.2	6.0	2.5	3	3	3	CW50	LC40	CW50
5325	5.9	2.3	6.7	2.5	3	3	3	CW50	LC40	CW50
5329	7.3	2.4	8.0	2.5	3	3	3	CW50	LC40	CW50
5332	-	2.5	9.0	2.5	3	3	3	-	LC40	CW45/CW50
5335	-	2.6	10.0	2.5	3	3	3	-	LC40	CW45/CW50
5341	-	2.8	12.0	3	3	3	3	-	LC40	CW50
5347	-	3.0	14.1	3	3	3	3	-	LC40	CW50
5353	-	3.2	16.1	3	4	3	4	-	LC40	CW45/CW50
5359	-	3.3	18.1	4	4	4	4	-	LC40	CW50
5365	-	3.5	20.1	4	4	4	4	-	LC30	CW50
5371	-	3.7	22.1	4	4	4	4	-	LC30	CW50
5373	-	3.8	22.7	4	4	4	4	-	LC30	CW50
5917	-	0.2	4.5	2.5	3	3	3	-	LC40	CW50
5921	-	0.3	6.0	2.5	3	3	3	-	LC40	CW50
5923	-	0.3	6.8	2.5	3	3	3	-	LC40	CW50
5925	-	2.5	7.5	2.5	3	3	3	-	LC40	CW50
5929	-	2.6	9.0	2.5	3	3	3	-	LC40	CW50
5932	-	2.7	10.2	2.5	3	3	3	-	LC40	CW50
5935	-	2.8	11.3	3	3	3	3	-	LC40	CW50
5941	-	3.0	13.6	3	3	3	3	-	LC40	CW50
5947	-	3.2	15.8	3	3	3	3	-	LC40	CW45/CW50
5953	-	3.3	18.1	3	4	3	4	-	LC40	CW50
5959	-	3.5	20.3	4	4	4	4	-	LC40	CW50
5965	-	3.7	22.6	4	4	4	4	-	LC30	CW50
5971	-	-	24.8	4	4	4	4	-	-	CW45/CW50
5973	-	-	25.6	5	5	5	5	-	-	CW50

(-) = Not Applicable

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



Detailed Product Description - Aluminum-Clad Awning and Large Awning

Frame

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are [clear pine] [mahogany] [douglas fir] [Impact-Resistant: [clear pine] [mahogany]].
- Exterior surfaces are clad with aluminum.
- Components are assembled with screws, staples and concealed corner locks.
- Overall frame depth is 5" (127mm) for a wall depth of 3-11/16" (94mm).
- Optional factory-applied jamb extensions available between 3-13/16" (97mm) and 9-3/16" (233mm).
- Optional factory-installed fold-out installation fins with flexible fin corners.
- Optional factory-applied EnduraClad® exterior trim.
- Optional factory-installed Pella Steady Set Installation System.

Sash

- Select softwood, immersion treated with Pella's EnduraGuard wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay, stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Corners are mortised and tenoned, glued and secured with metal fasteners.
- Interior exposed surfaces are: [clear pine] [mahogany] [douglas fir]].
- Exterior surfaces are clad with extruded aluminum butt-jointed at all corners of the sash with through-stile construction and sealed.
- Sash thickness is [1-13/16" (46mm) for 11/16"] [2-1/8" (54mm) for 1"] glazing.
- Exterior sash profile is square, interior sash profile is square.

Weatherstripping

- Dual weatherstripping.
 - Flexible santoprene material compressed between frame and sash for positive seal on all four sides.
 - Secondary thermoplastic vulcanizate (TPV) leaf-type weatherstrip between edge of sash and frame on the vertical sides and bottom side, and Santoprene® bulb-type weatherstrip on the top side.

Glazing System¹

- Quality float glass complying with ASTM C 1036.
- Silicone-glazed dual-pane 11/16" dual-seal insulating glass [[annealed] [tempered]], [[clear] [[Advanced] [SunDefense™] [SunDefense+] [NaturalSun] [NaturalSun+] [AdvancedComfort] Low-E [with argon]] [[bronze] [gray] [green] Advanced Low-E [with Argon]] [obscure] [Reflective Bronze] [Reflective Gray].
 - or –
- Silicone-glazed dual-pane 1" dual-seal tempered spandrel glass [Lava Bronze Amber] [Black] [Ford Blue] [Symmetry Bronze] [Symmetry Gray] [Symmetry Green].
 - or –
- Silicone-glazed dual-pane 11/16" dual-seal [[annealed] [tempered]] non-impact laminated glass [[clear] [[Advanced Low-E] [SunDefense Low-E] with Argon]] [[bronze] [gray] [green] Advanced Low-E [with argon]].
 - or –
- Silicone-glazed 1" triple-pane, dual-seal insulating glass [[annealed] [tempered]] [[Advanced Low-E] [SunDefense™ Low-E] [NaturalSun Low-E] with [argon]].
 - or –
- Impact-Resistant
 - Silicone-glazed 1" dual-seal impact-resistant insulating glass₁ SGP. [[tempered] [annealed]] exterior light is [[Advanced Low-E] [SunDefense] [clear] [bronze] [gray] [green]]. Laminated clear interior light.
 - or –
 - Silicone-glazed 11/16" dual-seal impact-resistant insulating glass₁ [PVB]. [[tempered] [annealed]] exterior light is [[Advanced Low-E] [SunDefense] [clear]]. Laminated [clear] interior light, or [[tempered] [annealed]] exterior light is [[multi-layer Low-E]]. Laminated [[bronze] [gray] [green]] interior light.

Exterior

- Aluminum clad exteriors shall be finished with EnduraClad® protective finish, in a multi-step, baked-on finish.
 - Color is [Standard] [feature] [custom]₂.
 - or –
- Aluminum clad exteriors shall be finished with EnduraClad Plus protective finish with 70% fluoropolymer resin in a multi-step, baked-on finish.
 - Color is [Standard] [feature] [custom]₂.

Interior

- [Unfinished, ready for site finishing] [factory primed with one coat acrylic latex] [factory prefinished [paint] [stain]₂].

Hardware

- Roto operator assembly
 - Steel worm gear sash operator with hardened gears.
 - Operator base is zinc die cast with painted finish.
 - Operator linkage is stainless steel.
 - Exposed fasteners are stainless steel.
 - Hardware will exceed 1,000 hours salt spray exposure per ASTM B 117.
 - Hinge slide and hinge arms are [Awning: Stainless steel] [Large Awning: wash hinge] [Impact-Resistant: wash hinge].
- All vent units are available with operator located on the [Awning: left or right side as viewed from the exterior] [Large Awning: bottom center of the unit].
- SureLock® System—A single handle locking system operates positive-acting arms that reach out and pull the sash into a locked position: [Awning: one operating lock installed on units with frame widths 29" and less, two unison operating locks installed on units with frame widths over 29"] [Large Awning: one operating lock installed on units with frame heights 41" and less, two unison operating locks installed on units with frame height over 41"].
- Hardware Style is Saldo. Hardware Finish is [baked enamel [champagne] [white] [brown] [matte black]] [bright brass] [satin nickel] [oil-rubbed bronze] [polished chrome].

Optional Products

Grilles

- Integral Light Technology® grilles
 - Interior grilles are [5/8"] [7/8"] [1-1/4"] [2"] square profile that are solid [pine] [mahogany] [douglas fir]. Interior surfaces are [unfinished, ready for site finishing] [factory primed] [pine: factory prefinished [paint] [stain]₂].
 - Exterior grilles are [5/8"] [7/8"] [1-1/4"] [2"] square profile that are extruded aluminum.
 - Patterns are [Traditional] [Prairie] [Top Row] [Custom - Equally Divided].
 - Insulating glass contains non-glare spacer between the panes of glass.
 - Grilles are adhered to both sides of the insulating glass with VHB acrylic adhesive tape and aligned with non-glare spacer.
 - or –
- Grilles-Between-the-Glass₃
 - Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass (exterior air-space on triple-pane insulating glass).
 - Patterns are [Traditional] [Prairie] [Cross] [Top Row] [Custom - Equally Divided].
 - Interior color is [White] [Tan₄] [Brown₄] [Putty₄] [Black] [Ivory] [Harvest] [Cordovan] [Brickstone].
 - Exterior color₅ is [Standard] [feature]₂.

Screen

- InView™ Screens
 - Vinyl-coated 18/18 mesh fiberglass screen cloth complying with the performance requirements of SMA 1201, set in aluminum frame fitted to inside of window, supplied complete with all necessary hardware.
 - Screen frame finish is [baked enamel [Champagne] [White] [Brown] [Black]].

Hardware

- Optional factory applied limited opening hardware available for vent units in stainless steel; nominal 3" opening.

Sensors

- Optional factory installed integrated security sensors available in vent units.

(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.

(3) Available in clear or Low-E insulating glass with argon and obscure insulated glass.

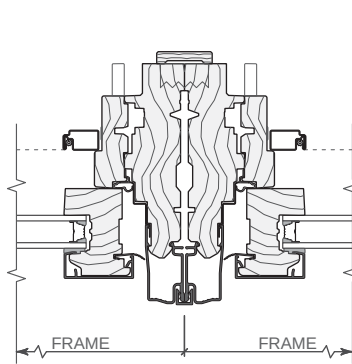
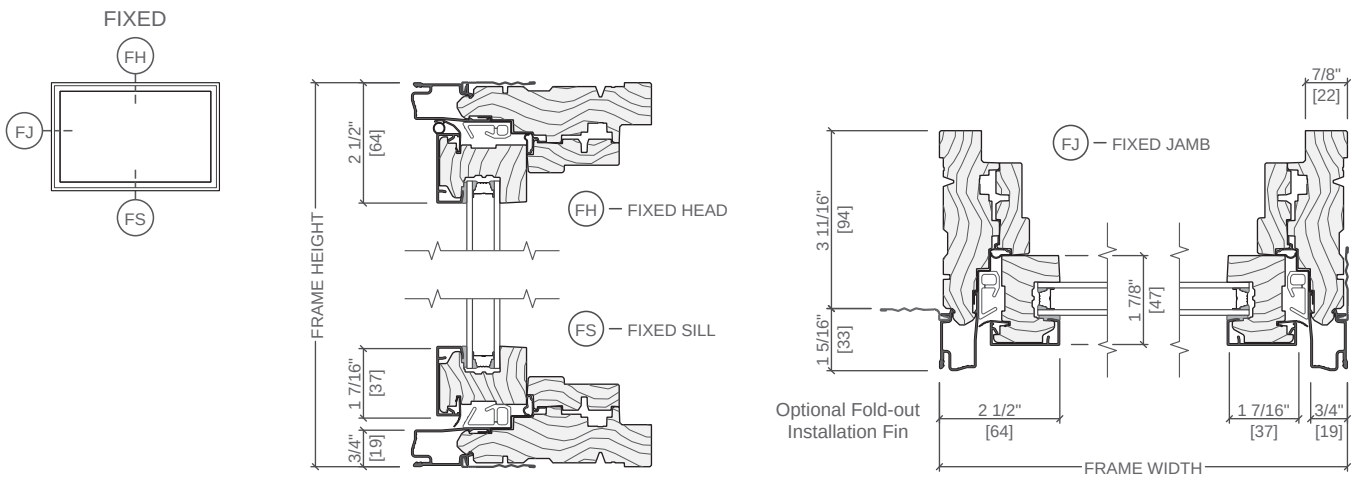
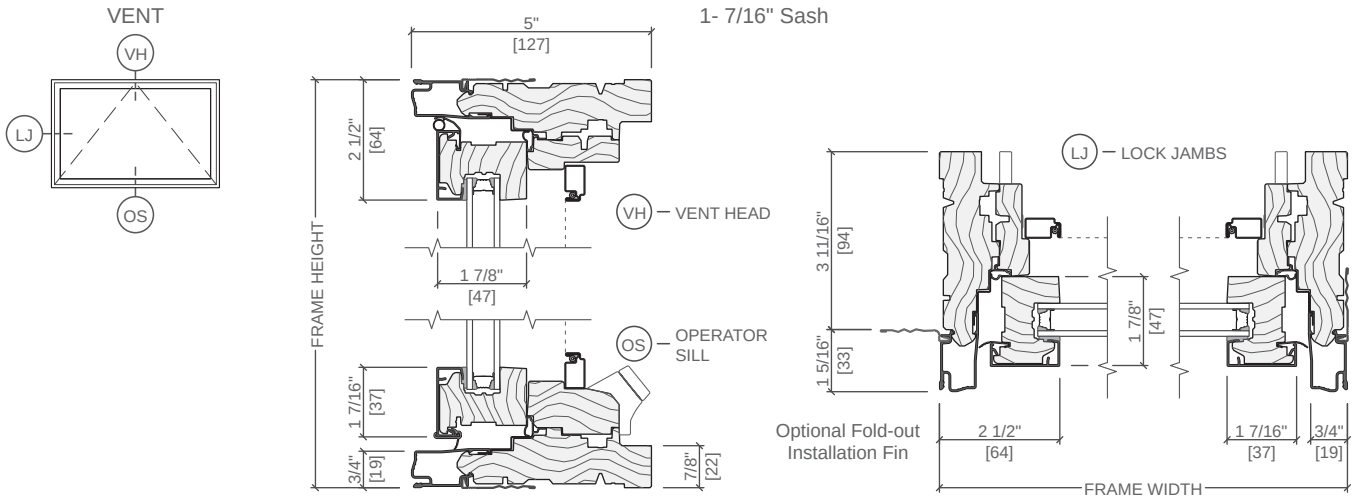
(4) Tan, Brown or Putty Interior GBG colors are available in single-tone (Brown/Brown, Tan/Tan or Putty/Putty). Other interior colors are also available with tan or brown exterior.

(5) Appearance of exterior grille color will vary depending on Low-E coating on glass.

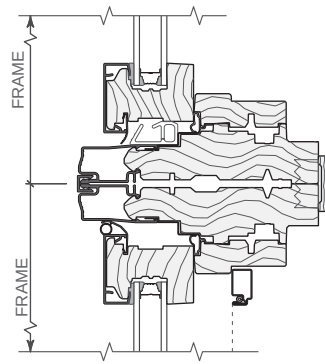


Pella® Reserve™ Contemporary Awning Window

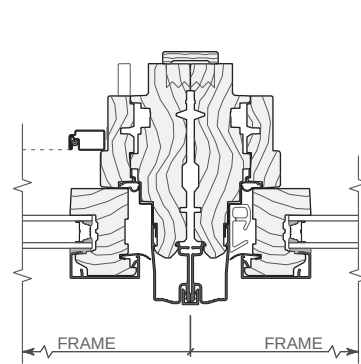
Unit Sections – Aluminum-Clad Exterior



VERTICAL JOINING MULLION
VENT / VENT



HORIZONTAL JOINING MULLION
TRANSOM / VENT



VERTICAL JOINING MULLION
VENT / FIXED

Scale 3" = 1' 0"

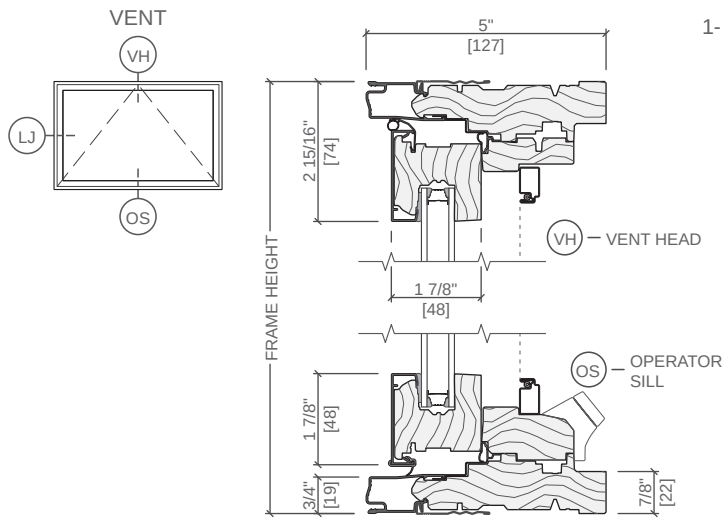
All dimensions are approximate.

See supporting combinations documents for mullion limitations and reinforcing requirements.

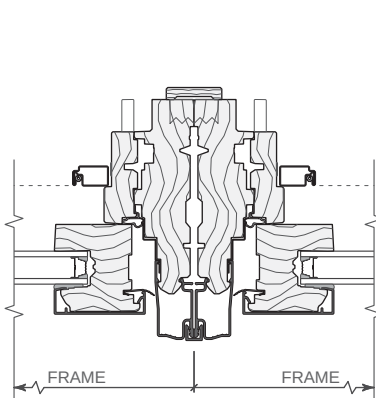
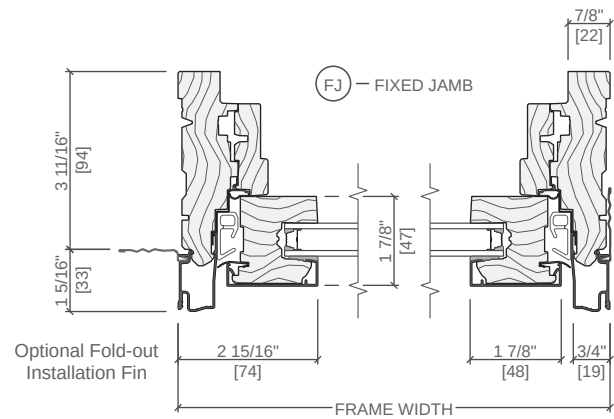
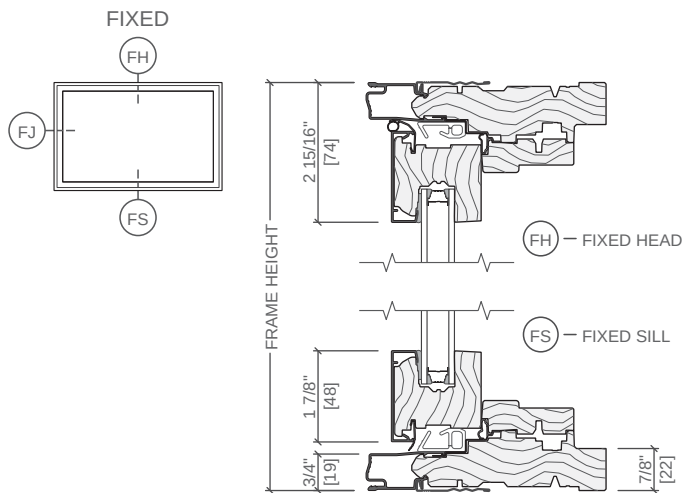
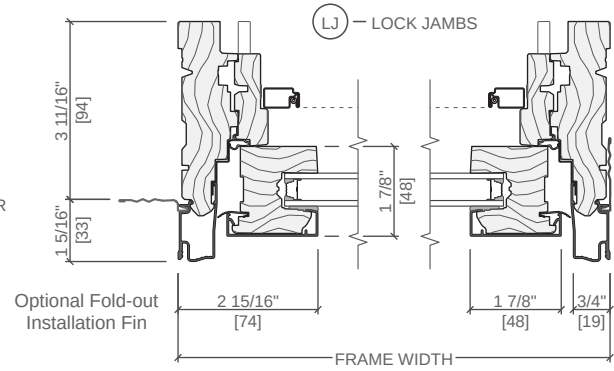


Pella® Reserve™ Contemporary Awning Window

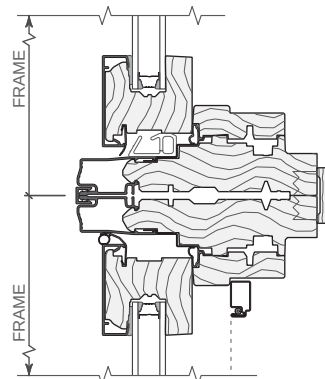
Unit Sections – Aluminum-Clad Exterior



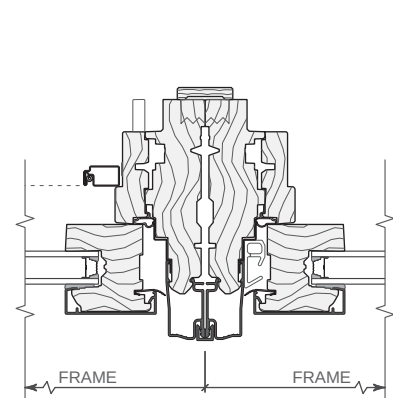
1- 7/8" Sash



VERTICAL JOINING MULLION
VENT / VENT



HORIZONTAL JOINING MULLION
TRANSOM / VENT



VERTICAL JOINING MULLION
VENT / FIXED

Scale 3" = 1' 0"

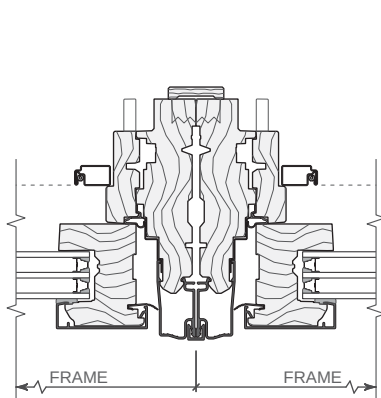
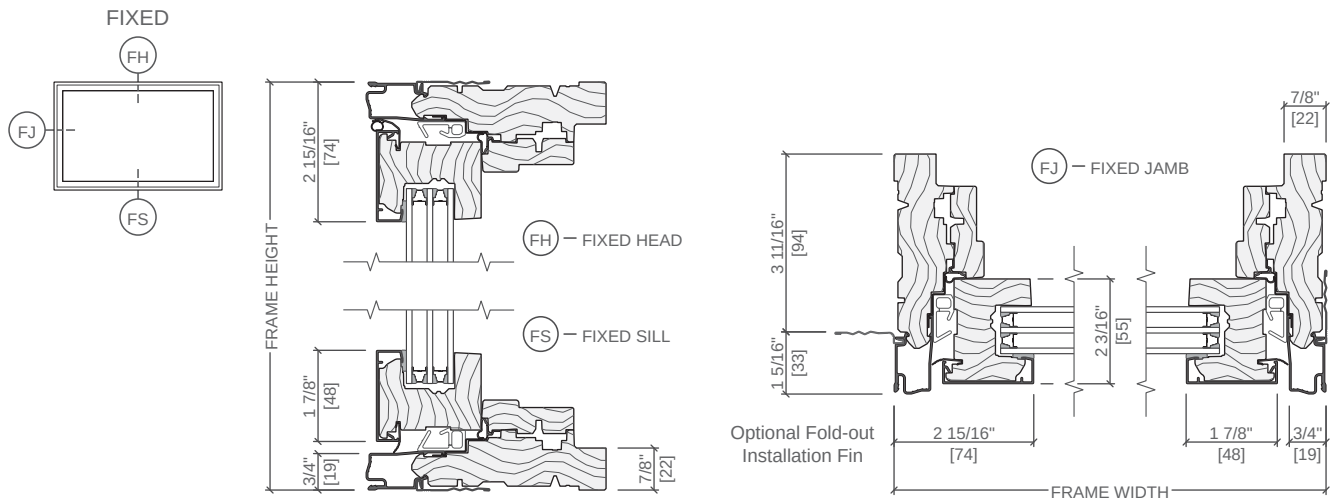
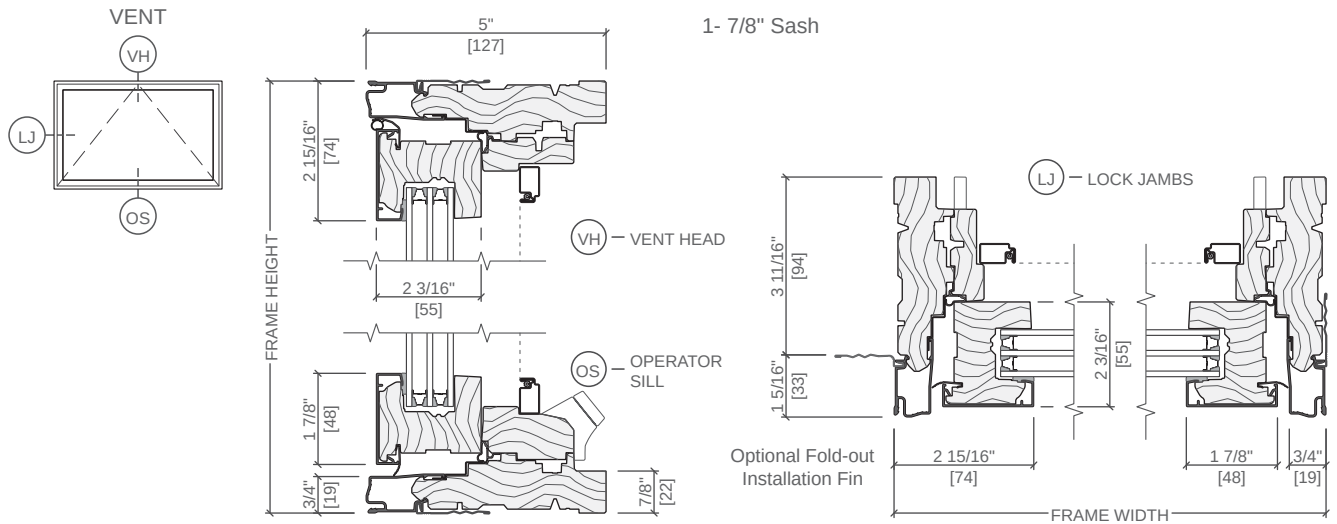
All dimensions are approximate.

See supporting combinations documents for mullion limitations and reinforcing requirements.

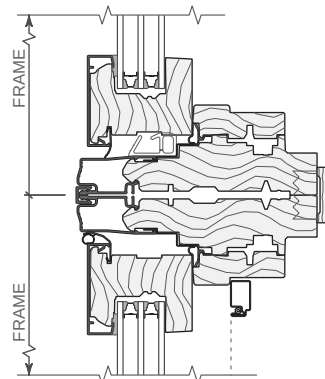


Pella® Reserve™ Contemporary Awning Window

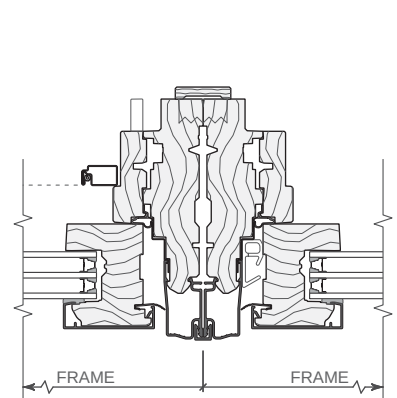
Unit Sections – Aluminum-Clad Exterior, Triple-Pane Glazing



VERTICAL JOINING MULLION
VENT / VENT



HORIZONTAL JOINING MULLION
TRANSOM / VENT



VERTICAL JOINING MULLION
VENT / FIXED

Scale 3" = 1' 0"

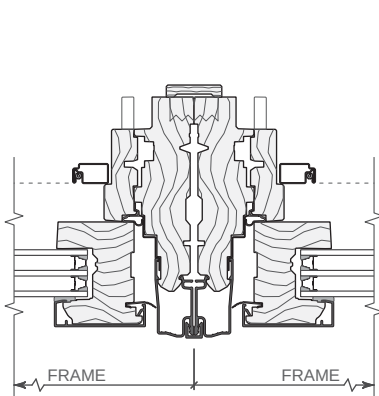
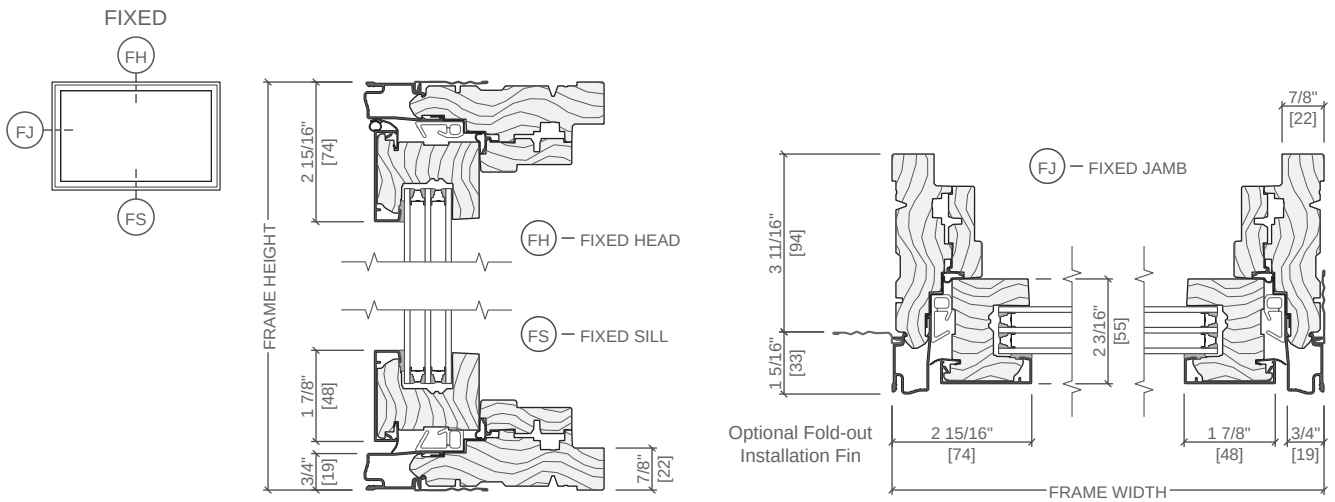
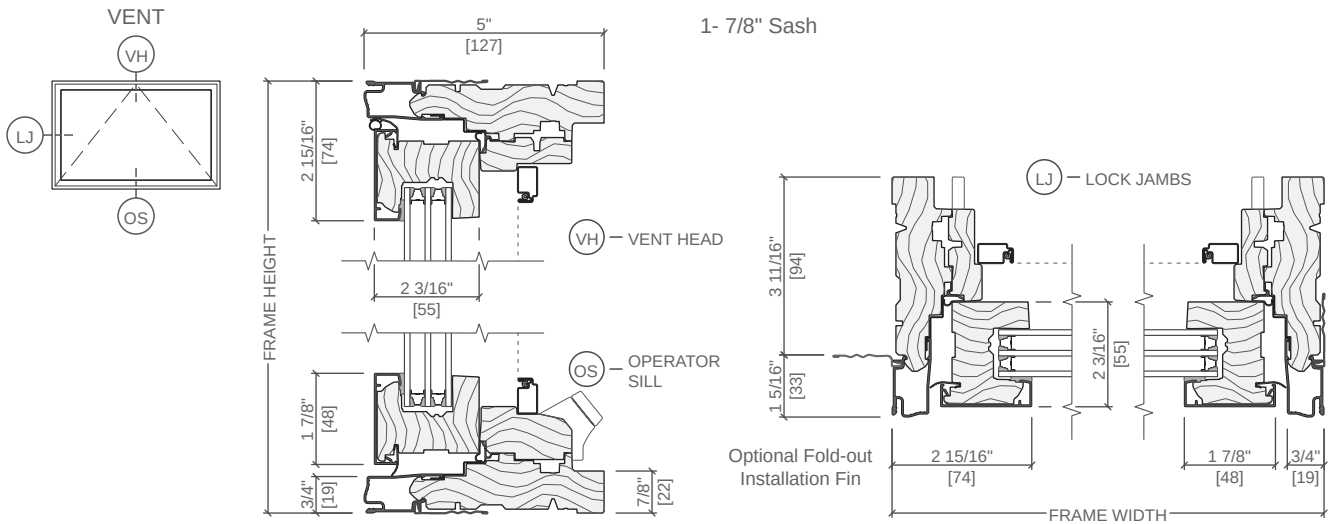
All dimensions are approximate.

See supporting combinations documents for mullion limitations and reinforcing requirements.

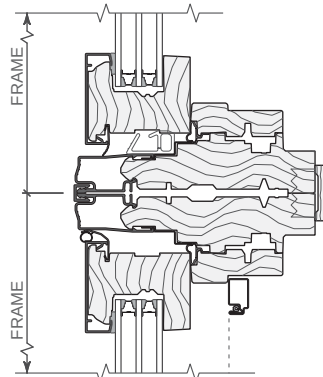


Pella® Reserve™ Contemporary Awning Window

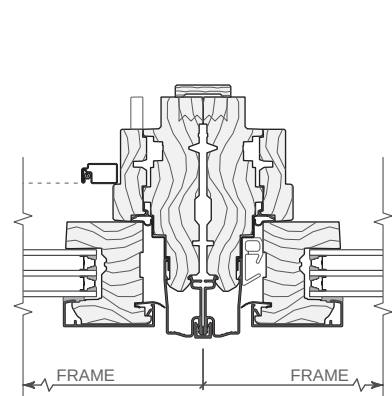
Unit Sections – Aluminum-Clad Exterior, Triple-Pane Glazing



VERTICAL JOINING MULLION
VENT / VENT



HORIZONTAL JOINING MULLION
TRANSOM / VENT



VERTICAL JOINING MULLION
VENT / FIXED

Scale 3" = 1' 0"

All dimensions are approximate.

See supporting combinations documents for mullion limitations and reinforcing requirements.