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Document Navigation Tips:

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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/PRC-Casement-C.rtf?utm_source=pdfdoc

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

https://media.pella.com/professional/adm/Clad-Wood/PRC-CM-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-CM-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-Casement-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_Casement.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 Casement, Complete Product Information:

https://media.pella.com/professional/adm/Clad-Wood/Pella-ImpactResistant_Casement.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 Casement Window

Size and Performance Data

Rectangular and Angled Shapes

Sizes	
Standard vent/fixed sizes	●
Standard fixed companion sizes	●
Egress sizes	●
Special sizes available	●
Performance ¹	
Meets or Exceeds AAMA/WDMA Ratings	R30 - 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	30 - 50 psf
Other Performance Criteria	
Forced Entry Resistance Level (Minimum Security Grade) ³	10
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		
Contemporary Clad Window	Vent with No Grilles						
	23" x 59"	11/16"	2.5mm	2.5mm	—	26	23
	23" x 59"	11/16"	5mm	3mm	—	31	26
	23" x 59"	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 Casement 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 ²
Wood Types	
Pine	Mahogany, Douglas Fir
Exterior	
Exterior Sash Profile	
Square	—
Exterior Finish	
EnduraClad® protective finish	EnduraClad Plus protective finish
Cladding Colors¹	
Standard colors	Feature Colors, Custom Colors
Interior	
Interior Sash Profile	
Square	—
Interior Finish	
Unfinished wood	Factory primed ³ , Factory prefinished paint ³ , Factory prefinished stain
Hardware	
Hardware Type	
Wash hinge Hardware	Side Pivot
Hardware Style	
Saldo, Fold-Away crank	—
Hardware Finishes	
Champagne, White, Brown or Matte Black	Satin Brass, Satin Nickel, Oil-Rubbed Bronze, Polished Chrome
Sash Locks	
SureLock® System, Unison Lock System ⁴	—
Grilles	
Integral Light Technology® Grilles	
—	Traditional, Prairie, Top Row, Cross, Custom
Grilles-Between-the-Glass	
—	Traditional, Prairie, Top Row ¹ , Cross, Custom-Equally Divided
Screens	
—	InView™ screens

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

(2) Available with Low-E argon-insulated glass only.

(3) Not available on Mahogany and Douglas Fir interiors.

(4) Unit height determines availability.



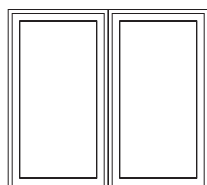
Pella® Reserve™ Contemporary Casement Window

Combination Assemblies

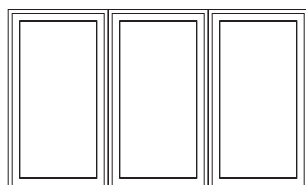
Combinations are a great way to create visual interest in any project. A combination is an assembly formed by two or more separate windows or doors whose frames are attached together by a direct or reinforcing mullion.

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.

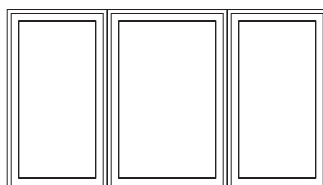
Contact your local Pella sales representative for more information.



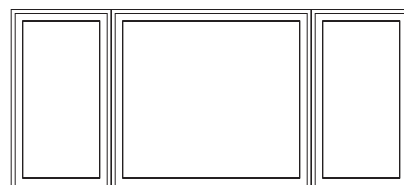
Two-Wide



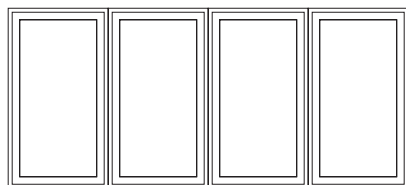
Three-Wide Equal



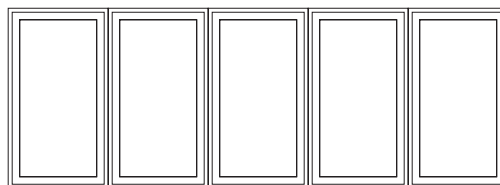
Three-Wide Unequal



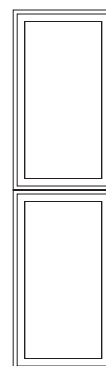
Center Fixed with Flankers



Four-Wide



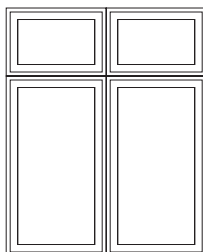
Five-Wide



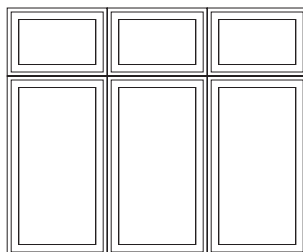
Two-High



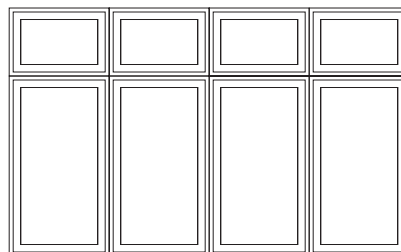
Transom over
Single



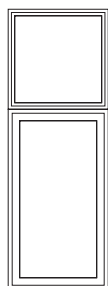
Two-Wide Transom
over Two-Wide



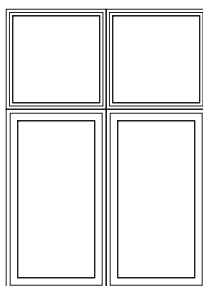
Three-Wide Transom over
Three-Wide



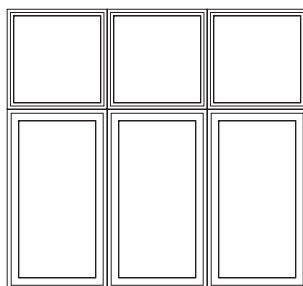
Four-Wide Transom over
Four-Wide



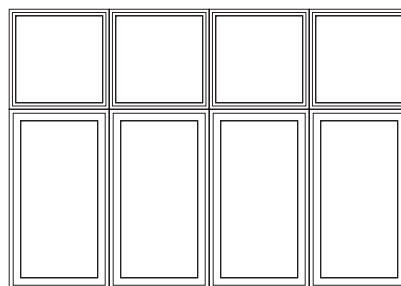
Clad Frame over
Single



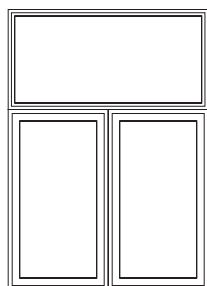
Two-Wide Clad Frame over
Two-Wide



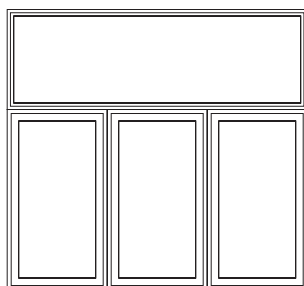
Three-Wide Clad Frame over
Three-Wide



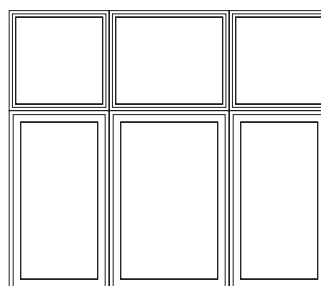
Four-Wide Clad Frame over
Four-Wide



Single Clad Frame over
Two-Wide



Single Clad Frame over
Three-Wide



Three-Wide Clad Frame over
Three-Wide Unequal



Pella® Reserve™ Contemporary Casement 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 — Aluminum-Clad Exterior										N	NC	SC	S		CA	
11/16"	Clear IG	PEL-N-11-24121-00001	3	3	air	0.45	0.57	0.59	42							
	with grilles-between-the-glass	PEL-N-11-24122-00001				0.45	0.52	0.54	42							
	with integral grilles	PEL-N-11-24123-00001				0.45	0.52	0.54	42							
11/16"	Advanced Low-E IG	PEL-N-11-24313-00001	3	3	argon	0.29	0.27	0.51	57							
	with grilles-between-the-glass	PEL-N-11-24314-00001				0.29	0.25	0.46	57							
	with integral grilles	PEL-N-11-24315-00001				0.29	0.25	0.46	57							
11/16"	SunDefense™ Low-E IG	PEL-N-11-24317-00001	3	3	argon	0.28	0.20	0.47	57			SC	S			
	with grilles-between-the-glass	PEL-N-11-24318-00001				0.28	0.19	0.42	57			SC	S			
	with integral grilles	PEL-N-11-24319-00001				0.29	0.19	0.42	57				S			
11/16"	SunDefense+ Low-E IG	PEL-N-11-26013-00001	3	3	argon	0.25	0.20	0.46	45		NC	SC	S			
	with grilles-between-the-glass	PEL-N-11-26014-00001				0.25	0.18	0.41	45		NC	SC	S			
	with integral grilles	PEL-N-11-26015-00001				0.25	0.18	0.41	45		NC	SC	S			
11/16"	AdvancedComfort Low-E IG	PEL-N-11-24325-00001	3	3	argon	0.25	0.27	0.49	45		NC					
	with grilles-between-the-glass	PEL-N-11-24326-00001				0.25	0.24	0.45	45		NC					
	with integral grilles	PEL-N-11-24327-00001				0.26	0.24	0.45	45							
11/16"	NaturalSun Low-E IG	PEL-N-11-21563-00002	3	3	argon	0.30	0.50	0.57	56							
	with grilles-between-the-glass	PEL-N-11-21751-00002				0.30	0.46	0.52	56							
	with integral grilles	PEL-N-11-21754-00002				0.31	0.46	0.52	56							
11/16"	NaturalSun+ Low-E IG	PEL-N-11-25941-00001	3	3	argon	0.26	0.46	0.56	44	N				34	CA	
	with grilles-between-the-glass	PEL-N-11-25942-00001				0.26	0.42	0.51	44	N						
	with integral grilles	PEL-N-11-25943-00001				0.26	0.42	0.51	44	N						
Vent Dual-Pane Tinted Glazing																
11/16"	Bronze Advanced Low-E IG	PEL-N-11-24449-00002	5	3	argon	0.29	0.24	0.33	56							
	with grilles-between-the-glass	PEL-N-11-24450-00002				0.30	0.22	0.30	56				S			
	with integral grilles	PEL-N-11-24451-00002				0.30	0.22	0.30	56				S			
11/16"	Gray Advanced Low-E IG	PEL-N-11-24449-00003	5	3	argon	0.29	0.22	0.28	56				S			
	with grilles-between-the-glass	PEL-N-11-24450-00003				0.30	0.20	0.26	56				S			
	with integral grilles	PEL-N-11-24451-00003				0.30	0.20	0.26	56				S			
11/16"	Green Advanced Low-E IG	PEL-N-11-24449-00004	5	3	argon	0.29	0.27	0.44	56							
	with grilles-between-the-glass	PEL-N-11-24450-00004				0.30	0.25	0.40	56							
	with integral grilles	PEL-N-11-24451-00004				0.30	0.25	0.40	56							
Vent Dual-Pane High Altitude Glazing																
11/16"	Advanced Low-E IG	PEL-N-11-24145-00001	3	3	air	0.32	0.27	0.51	54							
	with grilles-between-the-glass	PEL-N-11-24146-00001				0.32	0.25	0.46	54							
	with integral grilles	PEL-N-11-24147-00001				0.33	0.25	0.46	54							
11/16"	SunDefense Low-E IG	PEL-N-11-24169-00001	3	3	air	0.32	0.21	0.47	54				S			
	with grilles-between-the-glass	PEL-N-11-24170-00001				0.32	0.19	0.42	54				S			
	with integral grilles	PEL-N-11-24171-00001				0.33	0.19	0.42	54							
11/16"	SunDefense+ Low-E IG	PEL-N-11-26009-00001	3	3	air	0.27	0.20	0.46	42			SC	S			
	with grilles-between-the-glass	PEL-N-11-26010-00001				0.27	0.18	0.41	42			SC	S			
	with integral grilles	PEL-N-11-26011-00001				0.28	0.18	0.41	42			SC	S			
11/16"	AdvancedComfort Low-E IG	PEL-N-11-24217-00001	3	3	air	0.28	0.27	0.49	41							
	with grilles-between-the-glass	PEL-N-11-24218-00001				0.28	0.24	0.45	41							
	with integral grilles	PEL-N-11-24219-00001				0.28	0.24	0.45	41							
11/16"	NaturalSun Low-E IG	PEL-N-11-24193-00001	3	3	air	0.33	0.50	0.57	53							
	with grilles-between-the-glass	PEL-N-11-24194-00001				0.33	0.45	0.52	53							
	with integral grilles	PEL-N-11-24195-00001				0.34	0.45	0.52	53							
11/16"	NaturalSun+ Low-E IG	PEL-N-11-25937-00001	3	3	air	0.28	0.45	0.56	41							
	with grilles-between-the-glass	PEL-N-11-25938-00001				0.28	0.41	0.51	41							
	with integral grilles	PEL-N-11-25939-00001				0.29	0.41	0.51	41							

R-Value = 1/U-Factor

SHGC = Solar Heat Gain Coefficient

VLT % = Visible Light Transmission

CR = Condensation Resistance

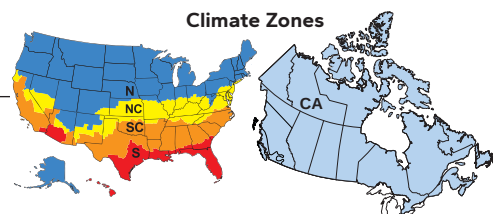
ER = Canadian Energy Rating

(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 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 2.5 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.





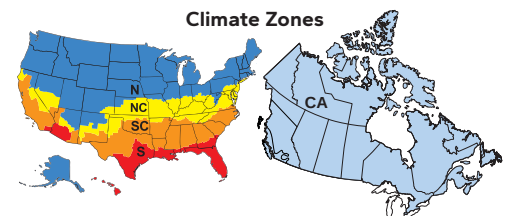
Pella® Reserve™ Contemporary Casement Window

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		
Fixed Dual-Pane Glazing — Aluminum-Clad Exterior											N	NC	SC	S	CA	
11/16"	Clear IG	PEL-N-1-59119-00001	3	3	air	0.46	0.64	0.67	42							
	with grilles-between-the-glass	PEL-N-1-59120-00001				0.46	0.58	0.60	42							
	with integral grilles	PEL-N-1-59121-00001				0.46	0.58	0.60	42							
11/16"	Advanced Low-E IG	PEL-N-1-59311-00001	3	3	argon	0.27	0.30	0.57	57							
	with grilles-between-the-glass	PEL-N-1-59312-00001				0.27	0.28	0.51	57							
	with integral grilles	PEL-N-1-59313-00001				0.28	0.28	0.51	57							
11/16"	SunDefense™ Low-E IG	PEL-N-1-59315-00001	3	3	argon	0.27	0.23	0.53	57				SC	S		
	with grilles-between-the-glass	PEL-N-1-59316-00001				0.27	0.21	0.47	57				SC	S		
	with integral grilles	PEL-N-1-59317-00001				0.28	0.21	0.47	57				SC	S		
11/16"	SunDefense+ Low-E IG	PEL-N-1-61941-00001	3	3	argon	0.23	0.22	0.52	45			NC	SC	S		
	with grilles-between-the-glass	PEL-N-1-61942-00001				0.23	0.20	0.46	45			NC	SC	S		
	with integral grilles	PEL-N-1-61943-00001				0.24	0.20	0.46	45			NC	SC	S		
11/16"	AdvancedComfort Low-E IG	PEL-N-1-59323-00001	3	3	argon	0.23	0.30	0.56	44			NC				
	with grilles-between-the-glass	PEL-N-1-59324-00001				0.23	0.27	0.50	44			NC				
	with integral grilles	PEL-N-1-59325-00001				0.24	0.27	0.50	44			NC				
11/16"	NaturalSun Low-E IG	PEL-N-1-59319-00001	3	3	argon	0.28	0.56	0.65	56						37	CA
	with grilles-between-the-glass	PEL-N-1-59320-00001				0.28	0.51	0.58	56						34	CA
	with integral grilles	PEL-N-1-59321-00001				0.29	0.51	0.58	56							
11/16"	NaturalSun+ Low-E IG	PEL-N-1-61869-00001	3	3	argon	0.24	0.51	0.63	44	N					39	CA
	with grilles-between-the-glass	PEL-N-1-61870-00001				0.24	0.46	0.57	44	N					37	CA
	with integral grilles	PEL-N-1-61871-00001				0.25	0.46	0.57	44	N					35	CA
Fixed Dual-Pane Tinted Glazing																
11/16"	Bronze Advanced Low-E	PEL-N-1-59447-00002	5	3	argon	0.28	0.27	0.37	56							
	with grilles-between-the-glass	PEL-N-1-59448-00002				0.29	0.25	0.33	56							
	with integral grilles	PEL-N-1-59449-00002				0.29	0.25	0.33	56							
11/16"	Gray Advanced Low-E IG	PEL-N-1-59447-00003	5	3	argon	0.28	0.25	0.32	56							
	with grilles-between-the-glass	PEL-N-1-59448-00003				0.29	0.23	0.29	56					S		
	with integral grilles	PEL-N-1-59449-00003				0.29	0.23	0.29	56					S		
11/16"	Green Advanced Low-E IG	PEL-N-1-59447-00004	5	3	argon	0.28	0.31	0.50	56							
	with grilles-between-the-glass	PEL-N-1-59448-00004				0.29	0.28	0.45	56							
	with integral grilles	PEL-N-1-59449-00004				0.29	0.28	0.45	56							
Fixed Dual-Pane High Altitude Glazing																
11/16"	Advanced Low-E IG	PEL-N-1-59143-00001	3	3	air	0.31	0.31	0.57	53							
	with grilles-between-the-glass	PEL-N-1-59144-00001				0.31	0.28	0.51	53							
	with integral grilles	PEL-N-1-59145-00001				0.32	0.28	0.51	53							
11/16"	SunDefense Low-E IG	PEL-N-1-59167-00001	3	3	air	0.31	0.23	0.53	53					S		
	with grilles-between-the-glass	PEL-N-1-59168-00001				0.31	0.21	0.47	53					S		
	with integral grilles	PEL-N-1-59169-00001				0.32	0.21	0.47	53					S		
11/16"	SunDefense+ Low-E IG	PEL-N-1-61937-00001	3	3	air	0.26	0.22	0.52	41				SC	S		
	with grilles-between-the-glass	PEL-N-1-61938-00001				0.26	0.20	0.46	41				SC	S		
	with integral grilles	PEL-N-1-61939-00001				0.27	0.20	0.46	41				SC	S		
11/16"	AdvancedComfort Low-E IG	PEL-N-1-59215-00001	3	3	air	0.26	0.30	0.56	41							
	with grilles-between-the-glass	PEL-N-1-59216-00001				0.26	0.27	0.50	41							
	with integral grilles	PEL-N-1-59217-00001				0.27	0.27	0.50	41							
11/16"	NaturalSun Low-E IG	PEL-N-1-59191-00001	3	3	air	0.32	0.56	0.65	53							
	with grilles-between-the-glass	PEL-N-1-59192-00001				0.32	0.51	0.58	53							
	with integral grilles	PEL-N-1-59193-00001				0.33	0.51	0.58	53							
11/16"	NaturalSun+ Low-E IG	PEL-N-1-61865-00001	3	3	air	0.27	0.51	0.63	40						36	CA
	with grilles-between-the-glass	PEL-N-1-61866-00001				0.27	0.46	0.57	40							
	with integral grilles	PEL-N-1-61867-00001				0.27	0.46	0.57	40							

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 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 2.5 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.





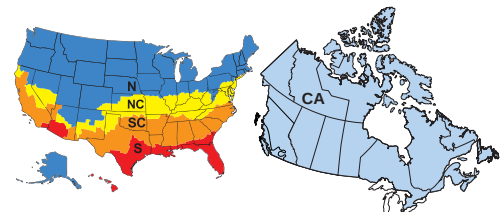
Pella® Reserve™ Contemporary Casement Window

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 — Aluminum-Clad Exterior											N	NC	SC	S		CA	
1"	Advanced Low-E IG	PEL-N-11-24333-00001	3	3	3	argon	0.23	0.25	0.45	65		NC					
	with grilles-between-the-glass	PEL-N-11-24334-00001					0.23	0.23	0.40	65		NC	SC	S			
	with integral grilles	PEL-N-11-24335-00001					0.23	0.23	0.40	65		NC	SC	S			
1"	SunDefense™ Low-E IG	PEL-N-11-24337-00001	3	3	3	argon	0.23	0.18	0.41	65		NC	SC	S			
	with grilles-between-the-glass	PEL-N-11-24338-00001					0.23	0.17	0.37	65		NC	SC	S			
	with integral grilles	PEL-N-11-24339-00001					0.23	0.17	0.37	65		NC	SC	S			
1"	NaturalSun Low-E IG	PEL-N-11-24329-00001	3	3	3	argon	0.23	0.41	0.50	65	N				35	CA	
	with grilles-between-the-glass	PEL-N-11-24330-00001					0.24	0.37	0.46	65	N	NC					
	with integral grilles	PEL-N-11-24331-00001					0.23	0.37	0.46	65	N	NC					
Vent Triple-Pane High Altitude Glazing																	
1"	Advanced Low-E IG	PEL-N-11-24269-00001	3	3	3	air	0.26	0.25	0.45	62							
	with grilles-between-the-glass	PEL-N-11-24270-00001					0.26	0.23	0.40	62			SC	S			
	with integral grilles	PEL-N-11-24271-00001					0.26	0.23	0.40	62			SC	S			
1"	SunDefense Low-E IG	PEL-N-11-24277-00001	3	3	3	air	0.26	0.19	0.41	62			SC	S			
	with grilles-between-the-glass	PEL-N-11-24278-00001					0.26	0.17	0.37	62			SC	S			
	with integral grilles	PEL-N-11-24279-00001					0.26	0.17	0.37	62			SC	S			
1"	NaturalSun Low-E IG	PEL-N-11-24261-00001	3	3	3	air	0.26	0.41	0.50	61	N						
	with grilles-between-the-glass	PEL-N-11-24262-00001					0.27	0.37	0.46	61							
	with integral grilles	PEL-N-11-24263-00001					0.27	0.37	0.46	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 for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. 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 2.5 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.





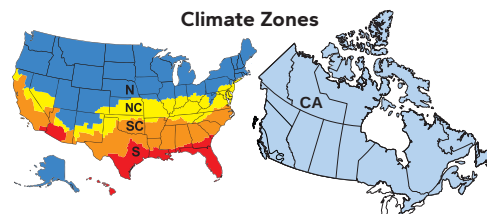
Pella® Reserve™ Contemporary Casement Window

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	
Fixed Triple-Pane Glazing — Aluminum-Clad Exterior											N	NC	SC	S	CA	
1"	Advanced Low-E IG	PEL-N-1-59331-00001	3	3	3	argon	0.21	0.28	0.51	65	N	NC			30	CA
	with grilles-between-the-glass	PEL-N-1-59332-00001					0.21	0.25	0.45	65	N	NC			28	CA
	with integral grilles	PEL-N-1-59333-00001					0.21	0.25	0.45	65	N	NC			28	CA
1"	SunDefense™ Low-E IG	PEL-N-1-59335-00001	3	3	3	argon	0.20	0.21	0.47	66	N	NC	SC	S	27	CA
	with grilles-between-the-glass	PEL-N-1-59336-00001					0.21	0.19	0.42	66	N	NC	SC	S	25	CA
	with integral grilles	PEL-N-1-59337-00001					0.21	0.19	0.42	66	N	NC	SC	S	25	CA
1"	NaturalSun Low-E IG	PEL-N-1-59327-00001	3	3	3	argon	0.21	0.46	0.57	65	N				40	CA
	with grilles-between-the-glass	PEL-N-1-59328-00001					0.22	0.42	0.51	65	N				37	CA
	with integral grilles	PEL-N-1-59329-00001					0.21	0.42	0.51	65	N				38	CA
Fixed Triple-Pane High Altitude Glazing																
1"	Advanced Low-E IG	PEL-N-1-59267-00001	3	3	3	air	0.24	0.28	0.51	62		NC				
	with grilles-between-the-glass	PEL-N-1-59268-00001					0.25	0.25	0.45	62		NC				
	with integral grilles	PEL-N-1-59269-00001					0.25	0.25	0.45	62		NC				
1"	SunDefense Low-E IG	PEL-N-1-59275-00001	3	3	3	air	0.24	0.21	0.47	62		NC	SC	S		
	with grilles-between-the-glass	PEL-N-1-59276-00001					0.25	0.19	0.42	62		NC	SC	S		
	with integral grilles	PEL-N-1-59277-00001					0.25	0.19	0.42	62		NC	SC	S		
1"	NaturalSun Low-E IG	PEL-N-1-59259-00001	3	3	3	air	0.25	0.46	0.57	62	N				35	CA
	with grilles-between-the-glass	PEL-N-1-59260-00001					0.25	0.42	0.51	62	N					
	with integral grilles	PEL-N-1-59261-00001					0.25	0.42	0.51	62	N					

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 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 2.5 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.



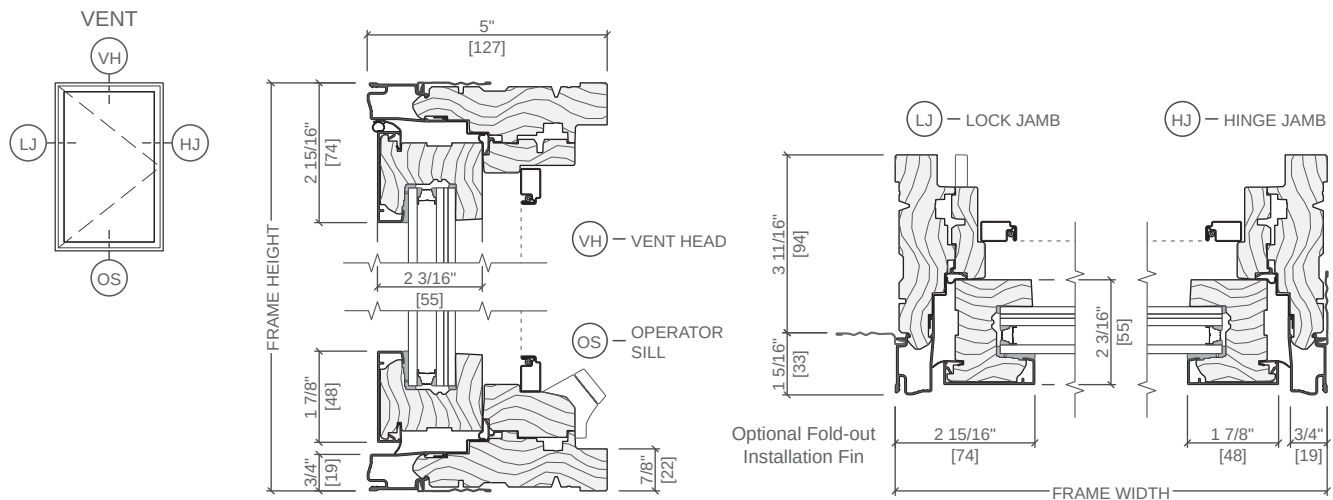


Pella® Reserve™ Contemporary Casement Window

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 Units				
11/16" Insulated Glass PVB	75	75	411-H-1339	FL10015.1
1" Insulated Glass SGP	75	+75 / -85	411-H-1339	FL10015.3
Fixed Units				
11/16" Insulated Glass PVB	75	75	411-H-1339	FL10022.1
1" Insulated Glass SGP	+75 / -85	+75 / -85	411-H-1339	FL10022.4
Large Fixed Units				
11/16" Insulated Glass PVB	75	75	411-H-1339	FL10022.1
1" Insulated Glass SGP	75	+75 / -85	411-H-1339	FL10022.4



(-) = Not Available

1-7/8" sash stiles and rails are standard for impact-resistant units.

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.

Consult your local building code to ensure products meet all requirements.

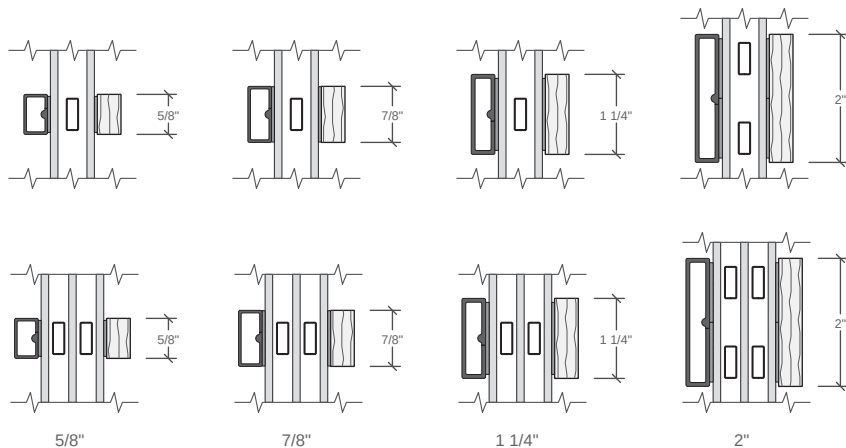


Grille Profiles

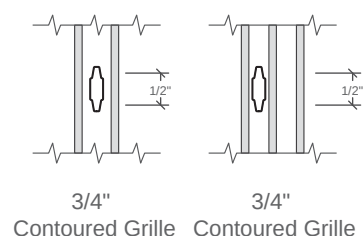
Contemporary Style Collection - Integral Light Technology®

Square Grilles

Clad Exterior - Wood Interior



Grilles-Between-the-Glass



Integral Light Technology® Grilles

Prairie Lite Patterns

Size range availability is for 3/4", 7/8" and 1-1/4" grille width.
Standard corner lite dimension for Prairie patterns = 2-1/2" VG.

9-Lite

- Available in all standard and special sizes.

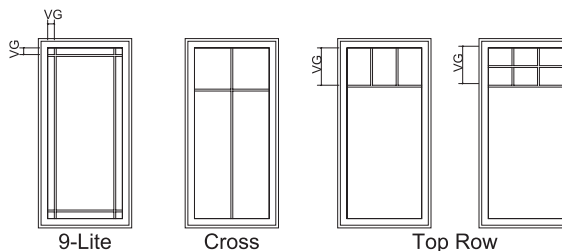
Other Available Patterns

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.



Grilles-Between-the-Glass

Available Patterns

9-Lite

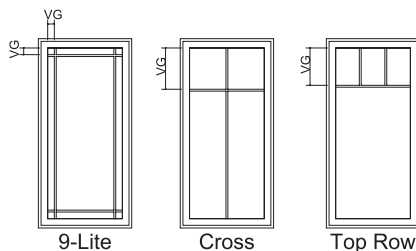
- Available in all standard and special sizes.

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.



Casement Shapes - (as viewed from the exterior)

General Restrictions All Angle Top

Angled Shapes - Fixed

Frame cannot exceed 96" in both directions.

Minimum angle between adjoining members is 20°, and maximum angle is < 160°.

Maximum frame < 54.5 ft² (based on rectangular unit).

Angled Shapes - Roto Operator

Maximum frame area equals 19.5 ft² (based on rectangular unit).

Not all units meet egress requirements.

Frame width cannot exceed hinge jamb height.

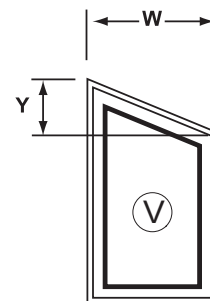
Hinge Side Height $\geq$ Frame Width $\div$ 2955 $\times$ Frame Area $+ 18.175"$

* Calculate Frame Area as if unit was a rectangle. = Frame Height $\times$ Frame Width

Unit must be hinged off short jamb, if angle height (Y) divided by angle width (W) is greater than 0.364.

Unit is not valid if angle height (Y) is greater than angle width (X).

Short Side (S1) must be less than overall height.



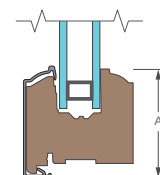
Custom Stile and Rail Widths

The A dimension shown can vary from 1-1/2", 1-7/8", 3", 5".

1-7/8" stiles and rails are standard for impact-resistant units.

For Unit sizes > 36 sq ft 1-1/2" sash is not available.

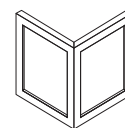
Any members meeting at an angle not equal to 90° must be the same width.



Cross section shown is representation of design, bottom rail shown as an example.

The following additional options are available:

- Special Wood Types
- Custom Grille Types and Patterns
- Custom Glazing
- Custom Width and height rectangular units
- Custom Width sash stiles and rails
- Angled Shape vent and fixed windows
- Corner Window Units (Fixed Only)



Corner Window

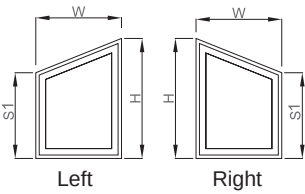
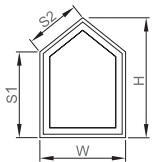
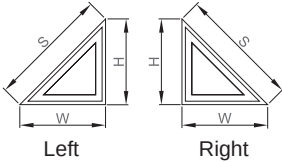
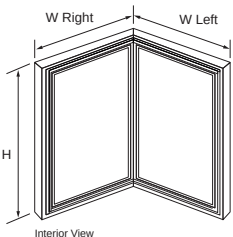
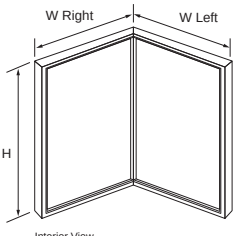
Contact your local sales representative for complete information.

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



Pella® Reserve™ Contemporary Casement Window

Casement Shapes and Custom Options

Angled Shape Units		Minimum	Maximum	Restrictions
Trapezoid		Fixed		
	W	9"	12' 0"	
	H	9"	12' 0"	
	S1	1' 1-3/4"	—	
	Vent with Side Pivot Hinge			
	W	1' 1-3/4"	3' 5"	
(Hinge Side)	1' 1-3/4"	8' 0"		
Lock Jamb Side	9"	8' 0"		
Pentagon		Fixed		
	W	9"	12' 0"	Peak must be centered. This shape is defined with peak centered for calculation purposes. If peak is not centered, it must be reviewed manually for acceptability. Maximum frame area cannot be > 54.5 sq ft.
	H	1' 4-13/16"	12' 0"	
	S1 / S2	9"	—	
	Vent with Side Pivot Hinge			
	W	1' 1-3/4"	3' 5"	
H	1' 7-9/16"	8' 0"		
S1	13-3/4"	< 8' 0"		
S2	9"	—		
Isosceles Triangle		Fixed		
	W	11-1/4"	11' 3-5/16"	
	H	11-1/4"	11' 3-5/16"	
	S	9"	12' 0"	
Mitered Corner		Minimum	Maximum	Restrictions
Fixed Sash in Frame (Casement)		Fixed		
	W Left	12"	4' 0"	Max Frame area of each side cannot be > 54.5 sq ft. Max Glass Area of each side cannot be > 48 sq ft.
	W Right	12"	4' 0"	
	Height	12"	6' 1"	
Fixed Frame Direct Set		Fixed		
	W Left	12"	4' 0"	Max Frame area of each side cannot be > 54.5 sq ft. Max Glass Area of each side cannot be > 48 sq ft.
	W Right	12"	4' 0"	
	Height	12"	6' 1"	See Fixed Frame Direct Set product section for features and options

Angled shapes are not available with push-out hardware.



Pella® Reserve™ Contemporary Casement Window

Size Tables

Transoms

	(451) (432)	(552) (533)	(603) (584)	(654) (635)	(756) (737)	(832) (813)	(908) (889)
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"
Frame	1' 5"	1' 9"	1' 11"	2' 1"	2' 5"	2' 8"	2' 11"
(451) (432)							
(552) (533)							
(603) (584)							
(654) (635)							
(756) (737)							

Vent Units

	(813) (808)	(908) (889)	(1 060) (1 041)	(1 213) (1 194)	(1 365) (1 346)	(1 518) (1 499)	(1 670) (1 651)	(1 822) (1 803)	(1 873) (1 854)
Opening	2' 8 3/4"	2' 11"	3' 5"	3' 11"	4' 5"	4' 11"	5' 5"	5' 11"	6' 1"
Frame	2' 8"	2' 11"	3' 5"	3' 11"	4' 5"	4' 11"	5' 5"	5' 11"	6' 1"
(813) (808)									
(908) (889)									
(1 060) (1 041)									
(1 213) (1 194)									
(1 365) (1 346)									
(1 518) (1 499)									
(1 670) (1 651)									
(1 822) (1 803)									
(1 873) (1 854)									

Rough Opening Dimensions

Clad exterior units: Dimensions shown in tables are rough opening dimensions.

Egress Notes for Standard Crank-Out Casement:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

E2 = With optional side pivot hardware, window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

E3 = With optional side pivot hardware, window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

See Design Data pages in this section for clear opening dimensions.

Clear opening (egress) information does not take into consideration the addition of a Rolscreen (or any other accessory) to the product. Consult your local building code to ensure products with Rolcreens meet egress requirements.

Side pivot hardware reduces Performance class to 'R'.

Egress information shown is for standard operators only, for Push-Out Casement egress information see the Design Data pages.

Egress information shown is for International Residential Code (IRC) standards only, see Design Data page for Uniform Dwelling Code (UDC) information.

Not to scale.
F = Fixed only
T = Tempered glass due to aspect ratio.
Traditional grille patterns shown.



Pella® Reserve™ Contemporary Casement Window

Size Tables - Fixed

	(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"
(1873) (1854)	1773	2173	2373	2573	2973	3273	3573	4173	4773	5373	5973
(1 670) (1 651)	1765	2165	2365	2565	2965	3265	3565	4165	4765	5365	5965
(1 822) (1 803)	1771	2171	2371	2571	2971	3271	3571	4171	4771	5371	5971
(1 518) (1 499)	1759	2159	2359	2559	2959	3259	3559	4159	4759	5359	5959
(1 365) (1 346)	1753	2153	2353	2553	2953	3253	3553	4153	4753	5353	5953
(1 213) (1 194)	1747	2147	2347	2547	2947	3247	3547	4147	4747	5347	5947
(1 060) (1 041)	1741	2141	2341	2541	2941	3241	3541	4141	4741	5341	5941
(908) (889)	1735	2135	2335	2535	2935	3235	3535	4135	4735	5335	5935
(832) (813)	1732	2132	2332	2532	2932	3232	3532	4132	4732	5332	5932
(756) (737)					2929			4129	4729	5329	5929
(654) (635)	1725	2125	2325	2525	2925	3225	3525	4125	4725	5325	5925
(603) (584)			2323					4123	4723	5323	5923
(552) (533)		2121						4121	4721	5321	5921
(451) (432)	1717	2117	2317	2517	2917	3217	3517	4117	4717	5317	5917

Rough Opening Dimensions

Clad exterior units: Dimensions shown in tables are rough opening dimensions.

Not to scale.

Traditional grille patterns shown.



Pella® Reserve™ Contemporary Casement Window

Special Sizes and Dimensions

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)	3'11" W x 9'0" H (47" x 108") (1 194 x 2 743)
	Frame width cannot exceed frame height on vent sizes. Max frame area 19.5 sq ft.	
Fixed	10" W x 10" H (254 x 254)	12'0" in one direction (144") (3 658)
	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. Maximum Glass weight is 400 Pounds	

Available within size range shown. Standard Performance Option only.
Keep frame dimensions to the nearest 1/8" increment.
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".
See the Curved, Angled and Rectangular shapes pages or contact your Pella representative for the availability of custom sizes smaller or larger than the parameters.

Egress Formulas

Clear Opening Height

Clear opening height = unit height - 4-1/8"

Clear Opening Width

Hinge	Frame Width	Formula
Standard	FW < 29"	FW - 9-3/4"
Standard (IRC)	FW ≥ 29" and ≤ 30-1/2"	FW - 9"
Standard (UDC)	FW ≥ 29" and ≤ 30-1/2"	FW - 9-3/4"
Standard (IRC)	FW > 30-1/2"	FW - 9-3/4"
Side Pivot (IRC)	FW ≥ 25" and ≤ 35"	FW - 4-3/8"

For units with FW > 35" reference Restricted Opening chart.

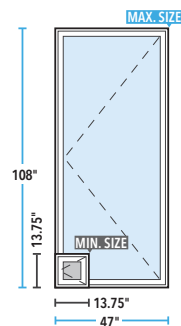
Side Pivot Clear Opening formulas (IRC)				
Hinge	Frame Width	Frame Height	Clear Opening Width Formula	
			Clad Exterior	Wood Exterior
STD	17" to ≤ 29"	17" to ≤ 73"	Unit Width - 4.375	Unit Width - 4.375
	> 29" to ≤ 35"	29" to ≤ 47"	Unit Width - 4.375	Unit Width - 4.375
Heavy Duty*	13.75" to < 17"	13.75" to ≤ 96"	(Unit Width x 0.8) - 2.95	(Unit Width x 0.892) - 4.219
	17" to < 19"	13.75" to ≤ 96"	(Unit Width x 0.9) - 4.65	(Unit Width x 0.9) - 4.35
	19" to < 25"	13.75" to ≤ 96"	(Unit Width x 0.883) - 4.433	(Unit Width x 0.883) - 4.133
	25" to 29"	13.75" to ≤ 96"	Unit Width - 5.55	Unit Width - 5.55
	> 29" to ≤ 35"	13.75" to ≤ 96"	(Unit Width x 0.9) - 4.15	(Unit Width x 0.917) - 4.533

Clear opening height = unit height - 4.125"

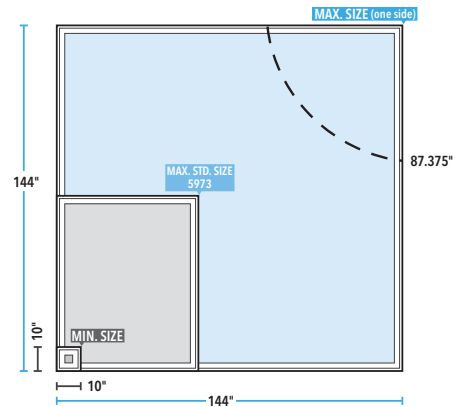
* All units with Impact glass or standard IG glass weighing 56 lbs. or more require heavy duty hinges.

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

Vent Casement



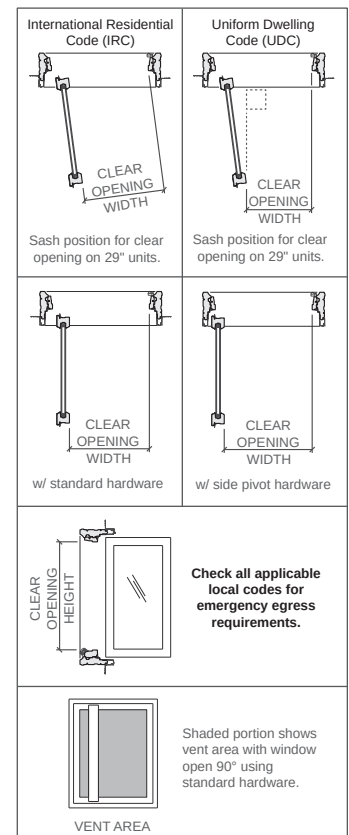
Fixed Casement



Glass Formulas

Visible Glass	Width = Frame - 2.46" x 2 Height = Frame - 2.46" x 2
Actual Glass	Width = Frame - 4" Height = Frame - 4"
Glass Weight	Actual Glass Width x Actual Glass Height x Actual Glass Thickness ÷ 11

Glazing weight in pounds, all Glass Width (W), Height (H) and Thickness are in inches.



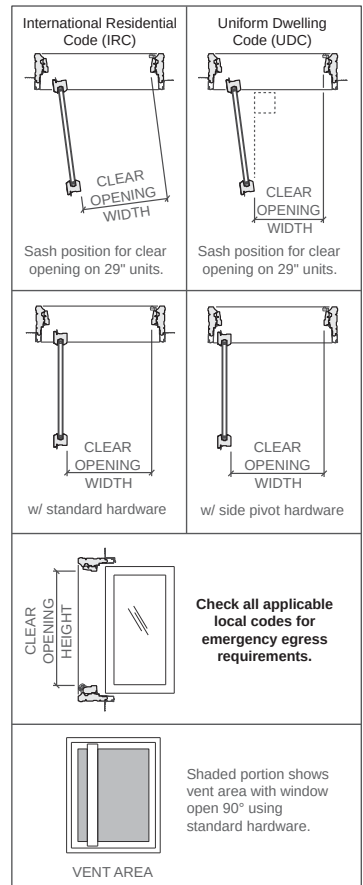


Pella® Reserve™ Contemporary Casement Window

Design Data

Vent and Fixed, Standard Operator, Aluminum-Clad Exteriors

Unit	Egress (IRC)		Egress (UDC)		Clear Opening (IRC)			Vent Area Ft ²	Visible Glass Ft ²	Standard Glass Thickness (mm)				Performance Class & Grade ¹		
	without Rolscreen	with Rolscreen	without Rolscreen	with Rolscreen	Width (Inches)	Height (Inches)	Ft ²			Dual-Pane Glazing		Triple-Pane Glazing		Vent	Fixed	
										Annealed	Tempered	Annealed or Tempered				
1732					7-1/4	27-7/8	1.4	2.0	2.3	2.5	3	3		CW50	CW50	
1735					7-1/4	30-7/8	1.6	2.3	2.5	2.5	3	3		CW50	CW50	
1741					7-1/4	36-7/8	1.9	2.8	3.0	2.5	3	3		CW50	CW50	
1747					7-1/4	42-7/8	2.2	3.3	3.5	2.5	3	3		CW50	CW50	
1753					7-1/4	48-7/8	2.5	3.7	4.0	2.5	3	3		CW50	CW50	
1759					7-1/4	54-7/8	2.8	4.2	4.5	2.5	3	3		CW50	CW50	
1765					7-1/4	60-7/8	3.1	4.7	5.0	2.5	3	3		CW50	CW50	
1771T					7-1/4	66-7/8	3.4	5.2	5.5	—	3	3		CW50	CW50	
1773T					7-1/4	68-7/8	3.5	5.4	5.7	—	3	3		CW50	CW50	
2132					11-1/4	27-7/8	2.2	2.7	3.0	2.5	3	3		CW50	CW50	
2135					11-1/4	30-7/8	2.4	3.1	3.4	2.5	3	3		CW50	CW50	
2141					11-1/4	36-7/8	2.9	3.7	4.0	2.5	3	3		CW50	CW50	
2147					11-1/4	42-7/8	3.3	4.4	4.7	2.5	3	3		CW50	CW50	
2153					11-1/4	48-7/8	3.8	5.0	5.4	2.5	3	3		CW50	CW50	
2159					11-1/4	54-7/8	4.3	5.7	6.0	2.5	3	3		CW50	CW50	
2165					11-1/4	60-7/8	4.8	6.3	6.7	2.5	3	3	CW45/CW50	CW45/CW50		
2171					11-1/4	66-7/8	5.2	7.0	7.4	2.5	3	3	CW45/CW50	CW45/CW50		
2173					11-1/4	68-7/8	5.4	7.2	7.6	2.5	3	3	CW40/CW50	CW40/CW50		
2332					13-1/4	27-7/8	2.6	3.1	3.4	2.5	3	3		CW50	CW50	
2335					13-1/4	30-7/8	2.8	3.5	3.8	2.5	3	3		CW50	CW50	
2341					13-1/4	36-7/8	3.4	4.2	4.5	2.5	3	3		CW50	CW50	
2347					13-1/4	42-7/8	3.9	4.9	5.3	2.5	3	3		CW50	CW50	
2353					13-1/4	48-7/8	4.5	5.7	6.0	2.5	3	3		CW50	CW50	
2359					13-1/4	54-7/8	5.0	6.4	6.8	2.5	3	3	CW45/CW50	CW45/CW50		
2365					13-1/4	60-7/8	5.6	7.1	7.5	2.5	3	3	CW40/CW50	CW40/CW50		
2371					13-1/4	66-7/8	6.2	7.9	8.3	2.5	3	3	CW35/CW50	CW35/CW50		
2373					13-1/4	68-7/8	6.3	8.1	8.5	2.5	3	3	CW35/CW50	CW35/CW50		
2532					15-1/4	27-7/8	3.0	3.4	3.8	2.5	3	3		CW50	CW50	
2535					15-1/4	30-7/8	3.3	3.9	4.2	2.5	3	3		CW50	CW50	
2541	E ₃			E ₃	20-5/8	36-7/8	5.3	4.7	5.0	2.5	3	3		CW50	CW50	
2547	E ₂			E ₂	20-5/8	42-7/8	6.1	5.5	5.9	2.5	3	3		CW50	CW50	
2553	E ₂			E ₂	20-5/8	48-7/8	7.0	6.3	6.7	2.5	3	3		CW50	CW50	
2559	E ₂			E ₂	20-5/8	54-7/8	7.9	7.1	7.5	2.5	3	3		CW45/CW50	CW45/CW50	
2565	E ₂			E ₂	20-5/8	60-7/8	8.7	7.9	8.4	2.5	3	3		CW40/CW50	CW40/CW50	
2571	E ₂			E ₂	20-5/8	66-7/8	9.6	8.8	9.2	2.5	3	3		CW35/CW50	CW35/CW50	
2573	E ₂			E ₂	20-5/8	68-7/8	9.9	9.0	9.5	2.5	3	3		CW30/CW50	CW30/CW50	
2932					24-5/8	27-7/8	4.8	4.1	4.5	2.5	3	3		CW50	CW50	
2935	E ₃			E ₃	24-5/8	30-7/8	5.3	4.6	5.0	2.5	3	3		CW50	CW50	
2941	E ₁ , E ₂	E ₂		E ₂	24-5/8	36-7/8	5.1	5.6	6.0	2.5	3	3		CW50	CW50	
2947	E	E ₂	E ₂	E ₂	20	42-7/8	6.0	6.6	7.0	2.5	3	3		CW50	CW50	
2953	E	E ₂	E ₂	E ₂	20	48-7/8	6.8	7.6	8.0	2.5	3	3		CW50	CW50	
2959	E	E ₂	E ₂	E ₂	20	54-7/8	7.6	8.6	9.0	2.5	3	3		CW45/CW50	CW45/CW50	
2965	E	E ₂	E ₂	E ₂	20	60-7/8	8.5	9.6	10.0	2.5	3	3		CW40/CW50	CW40/CW50	
2971	E	E ₂	E ₂	E ₂	20	66-7/8	9.3	10.6	11.1	3	3	3		CW45/CW50	CW45/CW50	
2973	E	E ₂	E ₂	E ₂	20	68-7/8	9.3	10.9	11.4	3	3	3		CW45/CW50	CW45/CW50	
3232	E ₃			E ₃	27-5/8	27-7/8	5.3	4.7	5.1	2.5	3	3		CW50	CW50	
3235	E ₂	E ₃	E ₂	E ₃	27-5/8	30-7/8	5.9	5.2	5.7	2.5	3	3		CW50	CW50	
3241	E ₁ , E ₂	E ₁ , E ₂	E ₁ , E ₂	E ₁ , E ₂	27-5/8	36-7/8	7.1	6.3	6.8	2.5	3	3		CW50	CW50	
3247	E	E	E	E	22-1/4	42-7/8	6.6	7.4	7.9	2.5	3	3		CW50	CW50	
3253	E	E	E	E	22-1/4	48-7/8	7.5	8.6	9.0	2.5	3	3		CW50	CW50	
3259	E	E	E	E	22-1/4	54-7/8	8.4	9.7	10.2	2.5	3	3		CW45/CW50	CW45/CW50	
3265	E	E	E	E	22-1/4	60-7/8	9.4	10.8	11.3	3	3	3		CW50	CW50	
3271	E	E	E	E	22-1/4	66-7/8	10.3	11.9	12.4	3	3	3		CW45/CW50	CW45/CW50	
3273	E	E	E	E	22-1/4	68-7/8	10.6	12.3	12.8	3	3	3		CW45/CW50	CW45/CW50	
3532F					—	—	—	—	5.7	2.5	3	3		—	CW50	
3535	E ₁ , E ₂	E ₂		E ₁ , E ₂	E ₂	25-1/4	30-7/8	5.4	5.8	6.3	2.5	3	3		CW50	CW50
3541	E	E		E	E	25-1/4	36-7/8	6.5	7.0	7.5	2.5	3	3		CW50	CW50
3547	E	E	E	E	E	25-1/4	42-7/8	7.5	8.3	8.8	2.5	3	3		CW50	CW50
3553	E	E	E	E	E	25-1/4	48-7/8	8.6	9.5	10.0	2.5	3	3		CW45/CW50	CW45/CW50
3559	E	E		E	E	25-1/4	54-7/8	9.6	10.8	11.3	3	3	3		CW50	CW50
3565	E	E		E	E	25-1/4	60-7/8	10.7	12.0	12.6	3	3	3		CW50	CW50
3571	E	E	E	E	E	25-1/4	66-7/8	11.7	13.2	13.8	3	3	3		CW45/CW50	CW45/CW50
3573	E	E	E	E	E	25-1/4	68-7/8	12.1	13.6	14.2	3	3	3		CW45/CW50	CW45/CW50



Egress Notes for Standard Crank-Out Casement:

Check all applicable local codes for emergency egress requirements.

- E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².
- E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².
- E2 = With optional side pivot hardware, window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².
- E3 = With optional side pivot hardware, window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

Clear opening (egress) information does not take into consideration the addition of a Rolscreen (or any other accessory). Consult your local building code to ensure Rolscreens meet egress requirements.

Side pivot hardware reduces Performance class to 'R'.

Egress information shown does not include Push-Out Casements.

(—) = Not Applicable

F = Fixed only

T = Tempered required due to aspect ratio.

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

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



Pella® Reserve™ Contemporary Casement Window

Design Data

Fixed, Aluminum-Clad Exteriors

Unit	Visible Glass Ft²	Standard Glass Thickness (mm)				Performance Class & Grade ¹
		Dual-Pane Glazing		Triple-Pane Glazing		
		Annealed	Tempered	Annealed	Tempered	
4135	7.2	2.5	3	3	3	CW50
4141	8.6	2.5	3	3	3	CW50
4147	10.1	3	3	3	3	CW50
4153	11.6	3	3	3	3	CW50
4159	13.0	3	3	3	3	CW50
4165	14.5	3	3	3	3	CW50
4171	16.0	3	3	3	3	CW45/CW50
4173	16.5	3	3	3	3	CW45/CW50
4735	8.4	2.5	3	3	3	CW50
4741	10.1	3	3	3	3	CW50
4747	11.8	3	3	3	3	CW50
4753	13.5	3	3	3	3	CW50
4759	15.3	3	3	3	3	CW50
4765	17.0	3	3	3	3	CW45/CW50
4771	18.7	4	4	4	4	CW50
4773	19.3	4	4	4	4	CW50
5335	9.6	2.5	3	3	3	CW45/CW50
5341	11.6	3	3	3	3	CW50
5347	13.5	3	3	3	3	CW50
5353	15.5	3	4	3	4	CW45/CW50
5359	17.5	3	4	3	4	CW40/CW50
5365	19.4	4	4	4	4	CW50
5371	21.4	4	4	4	4	CW50
5373	22.1	4	4	4	4	CW50
5935	10.8	3	3	3	3	CW50
5941	13.0	3	3	3	3	CW50
5947	15.3	3	3	3	3	CW50
5953	17.5	3	4	3	4	CW40/CW50
5959	19.7	4	4	4	4	CW50
5965	21.9	4	4	4	4	CW50
5971	24.1	4	4	4	4	CW45/CW50
5973	24.9	4	4	4	4	CW45/CW50

Transoms

Unit	Clear Opening (Inches)				Vent Area Ft ²	Visible Glass Ft ²	Standard Glass Thickness (mm)			Performance Class & Grade ¹
	Width	Height	Ft ²	Dual-Pane Glazing			Triple- Pane Glazing			
				Annealed			Tempered	Annealed or Tempered		
1714F	—	—	—	—	0.6	2.5	3	3	CW50	
1717	7-1/4	12-7/8	0.6	0.8	0.9	2.5	3	3	CW50	
1725F	—	—	—	—	1.5	2.5	3	3	CW50	
2114F	—	—	—	—	0.9	2.5	3	3	CW50	
2117F	—	—	—	—	1.2	2.5	3	3	CW50	
2121	11-1/4	16-7/8	1.3	1.5	1.6	2.5	3	3	CW50	
2125F	—	—	—	—	2.0	2.5	3	3	CW50	
2314F	—	—	—	—	1.0	2.5	3	3	CW50	
2317F	—	—	—	—	1.3	2.5	3	3	CW50	
2323	13-1/4	18-7/8	1.7	2.0	2.1	2.5	3	3	CW50	
2325F	—	—	—	—	2.3	2.5	3	3	CW50	
2514F	—	—	—	—	1.1	2.5	3	3	CW50	
2517F	—	—	—	—	1.5	2.5	3	3	CW50	
2525	15-1/4	20-7/8	2.2	2.5	2.6	2.5	3	3	CW50	
2914F	—	—	—	—	1.3	2.5	3	3	CW50	
2917F	—	—	—	—	1.8	2.5	3	3	CW50	
2925F	—	—	—	—	3.1	2.5	3	3	CW50	
2929	20	24-7/8	3.5	3.6	3.8	2.5	3	3	CW50	
3214F	—	—	—	—	1.5	2.5	3	3	CW50	
3217F	—	—	—	—	2.1	2.5	3	3	CW50	
3225F	—	—	—	—	3.5	2.5	3	3	CW50	
3514F	—	—	—	—	1.7	2.5	3	3	CW50	
3517F	—	—	—	—	2.3	2.5	3	3	CW50	
3525F	—	—	—	—	3.9	2.5	3	3	CW50	

(—) = Not Applicable

F = Fixed only

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

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



Pella® Reserve™ Contemporary Casement Window

Design Data

Push-Out Casement										
Unit	Egress (IRC)	Egress (UDC)	Clear Opening (IRC)				Vent Area Ft ²	Visible Glass Ft ²	Frame Area Ft ²	Performance Class & Grade ⁽¹⁾
			Width (Inches)	Height (Inches)	Ft ²	Sash Angle (Degrees)				
1735			10-13/16	31-1/4	2.3	70	17-1/8	1.5	1.6	R30
1741			10-13/16	37-1/4	2.8	70	17-1/8	1.8	2	R30
1747			10-13/16	43-1/4	3.2	70	17-1/8	2.1	2.3	R30
1753			10-13/16	49-1/4	3.7	70	17-1/8	2.5	2.7	R30
1759			10-13/16	55-1/4	4.1	70	17-1/8	2.8	3	R30
1765			10-13/16	61-1/4	4.6	70	17-1/8	3.1	3.4	R30
1771			10-13/16	67-1/4	5	70	17-1/8	3.4	3.8	R30
2135			14-1/2	31-1/4	3.1	70	20-7/8	2.3	2.3	R30
2141			14-1/2	37-1/4	3.7	70	20-7/8	2.7	2.9	R30
2147			14-1/2	43-1/4	4.3	70	20-7/8	3.2	3.4	R30
2153			14-1/2	49-1/4	4.9	70	20-7/8	3.7	3.9	R30
2159			14-1/2	55-1/4	5.5	70	20-7/8	4.2	4.5	R30
2165			14-1/2	61-1/4	6.1	70	20-7/8	4.7	5	R30
2171			14-1/2	67-1/4	6.7	70	20-7/8	5.2	5.5	R30
2335			16-3/8	31-1/4	3.5	70	22-13/16	2.6	2.7	R30
2341			16-3/8	37-1/4	4.2	70	22-13/16	3.2	3.3	R30
2347			16-3/8	43-1/4	4.9	70	22-13/16	3.8	3.9	R30
2353			16-3/8	49-1/4	5.6	70	22-13/16	4.4	4.5	R30
2359			16-3/8	55-1/4	6.2	70	22-13/16	4.9	5.2	R30
2365			16-3/8	61-1/4	6.9	70	22-13/16	5.5	5.8	R30
2371			16-3/8	67-1/4	7.6	70	22-13/16	6.1	6.4	R30
2535			18-5/16	31-1/4	3.9	70	24-9/16	3	3.1	R30
2541			18-5/16	37-1/4	4.7	70	24-9/16	3.7	3.8	R30
2547			18-5/16	43-1/4	5.4	70	24-9/16	4.3	4.5	R30
2553			18-5/16	49-1/4	6.2	70	24-9/16	5	5.2	R30
2559			18-5/16	55-1/4	7	70	24-9/16	5.6	5.9	R30
2565			18-5/16	61-1/4	7.7	70	24-9/16	6.3	6.6	R30
2571			18-5/16	67-1/4	8.5	70	24-9/16	7	7.3	R30
2935			21-7/8	31-1/4	4.7	70	28-3/8	3.8	3.8	R30
2941	E1		21-7/8	37-1/4	5.6	70	28-3/8	4.6	4.7	R30
2947	E		21-7/8	43-1/4	6.5	70	28-3/8	5.4	5.5	R30
2953	E		21-7/8	49-1/4	7.4	70	28-3/8	6.3	6.4	R30
2959	E		21-7/8	55-1/4	8.3	70	28-3/8	7.1	7.3	R30
2965	E		21-7/8	61-1/4	9.3	70	28-3/8	7.9	8.1	R30
2971	E		21-7/8	67-1/4	10.2	70	28-3/8	8.7	9	R30
3535			21	31-1/4	4.5	49	27-11/16	4.9	4.9	R30
3541	E1		21	37-1/4	5.4	49	27-11/16	6	6	R30
3547	E		21	43-1/4	6.3	49	27-11/16	7.1	7.2	R30
3553	E		21	49-1/4	7.1	49	27-11/16	8.2	8.3	R30
3559	E		21	55-1/4	8	49	27-11/16	9.2	9.4	R30
3565	E		21	61-1/4	8.9	49	27-11/16	10.3	10.5	R30
3571	E		21	67-1/4	9.8	49	27-11/16	11.4	11.6	R30

Push-Out Casement Egress Notes:

Check all applicable local codes for emergency egress requirements.

E = Window meets minimum clear opening of 24" height, 20" width, and 5.7 ft².

E1 = Window meets minimum clear opening of 24" height, 20" width, and 5.0 ft².

Clear opening (egress) information does not take into consideration the addition any other accessories to the product. Consult your local building code to ensure products meet egress requirements.

(1) Maximum performance when glazed with the appropriate glass thickness. Refer to the Product Performance section for more information.

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



Detailed Product Description - Aluminum-Clad Exterior

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].
- 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.
- 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.
- Corners mortised and tenoned, glued and secured with metal fasteners.
- Sash thickness is [1-13/16" (46mm) for 11/16"] [2-1/8" (54mm) for 1"] glazing.
- Sash exterior profile is square, interior 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.

Glazing System ¹

- 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™] [NaturalSun Low-E] with [argon]].
 - or –
- Impact-Resistant
 - Silicone-glazed 1" dual-seal impact-resistant insulating glass₁ GGP, [[tempered] [annealed]] exterior light is [[Advanced Low-E] [SunDefense] with argon] [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 with argon] [clear]]. Laminated [clear] interior light, or [[tempered] [annealed]] exterior light is [[Advanced Low-E] [SunDefense] with argon] [clear]]. 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] [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] [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, hinge slide, and hinge arms are stainless steel.
 - Exposed fasteners are stainless steel.
 - Hardware shall exceed 1,000 hours salt spray exposure per ASTM B 117.
- All vent units are available with left- or right-hand hinging.
- SureLock® System—A single handle locking system operates positive-acting arms that reach out and pull the sash into a locked position: one operating lock installed on units with frame height 29" and less, two unison operating locks installed on units with frame height over 29".
- Style of hardware is [Saldo integrated fold-away crank and standard lock handle with [baked enamel [Champagne] [White] [Brown] [Matte Black]] [Satin Nickel] [Oil-Rubbed Bronze] [Polished Chrome] hardware finish].

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] [Cross].
 - 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 the 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].
 - Interior color is [White] [Tan ₄] [Brown ₄] [Putty ₄] [Black] [Ivory] [Harvest] [Cordovan] [Brickstone].
 - Exterior color₅ is [standard] ₂.

Screens

- 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.
- 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.

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 and 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.



Detailed Product Description - Aluminum-Clad Exterior, Push-Out Casement

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].
- 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.

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.
- 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.
- Corners mortised and tenoned, glued and secured with metal fasteners.
- Sash thickness is [1-13/16" (46mm) for 11/16"] [2-1/8" (54mm) for 1"] glazing.
- Sash exterior profile is square, interior 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.

Glazing System 1

- Quality float glass complying with ASTM C 1036.
- Silicone-glazed dual-pane 11/16" dual-seal insulating glass [[annealed] [tempered]], [[clear] [[Advanced Low-E] [SunDefense™ Low-E] [NaturalSun Low-E] [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-seal insulating glass [[annealed] [tempered]] [[Advanced Low-E] [SunDefense™] [NaturalSun Low-E] with [argon]].

Exterior

- Aluminum clad exteriors shall be finished with EnduraClad® protective finish, in a multi-step, baked-on finish.
 - Color is [standard] [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] [custom]2.

Interior

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

Hardware

- Finish of finger pull handle is [baked enamel, [Champagne] [White] [Brown]] [Satin Brass] [Satin Nickel] [Oil-Rubbed Bronze].
- All vent units are available with left- or right-hand hinging.
- SureLock® System—A single handle locking system operates positive-acting arms that reach out and pull the sash into a locked position: one operating lock installed on units with frame height 29" and less, two unison operating locks installed on units with frame height over 29".
- [Saldo lock handle with [baked enamel [Champagne] [White] [Brown] [Matte Black]] [Satin Brass] [Satin Nickel] [Oil-Rubbed Bronze] hardware finish].
- Factory applied window opening control device included. Device allows window to open less than 4" with normal operation, with a release mechanism that allows the sash to open completely.

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] [Cross].
 - 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 the 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].
 - Interior color is [White] [Tan 4] [Brown 4] [Putty 4] [Black] [Ivory] [Harvest] [Cordovan] [Brickstone].
 - Exterior color5 is [standard]2.

Hinged In-Swing Screen

- InView® Fiberglass Screen
 - Vinyl-coated 18/18 mesh fiberglass screen cloth complying with SMA 1201, set in an aluminum extruded frame fitted to inside of window, supplied complete with all necessary hardware.
 - Screen frame interior exposed surfaces are extruded aluminum with [White] [Brown] [Black] painted finish.

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.

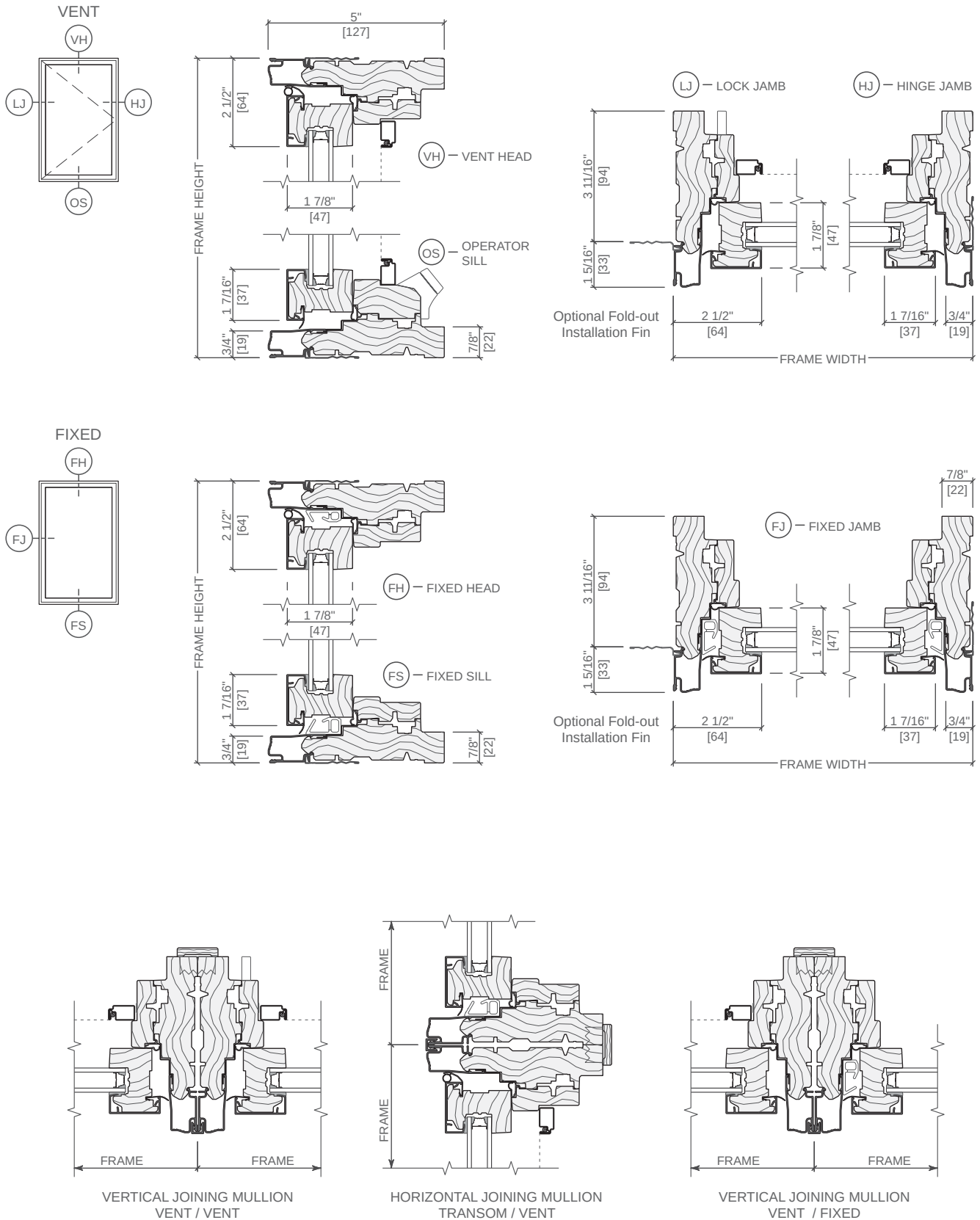
(4) Tan, Brown and Putty Interior GBG colors are available in single-tone (Brown/Brown, Tan/Tan or Putty/Putty). Other interior colors are also available with tan or brown exterior.

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



Pella® Reserve™ Contemporary Casement Window

Unit Sections – Aluminum-Clad Exterior, 1-7/16" Sash



Scale 3" = 1' 0"

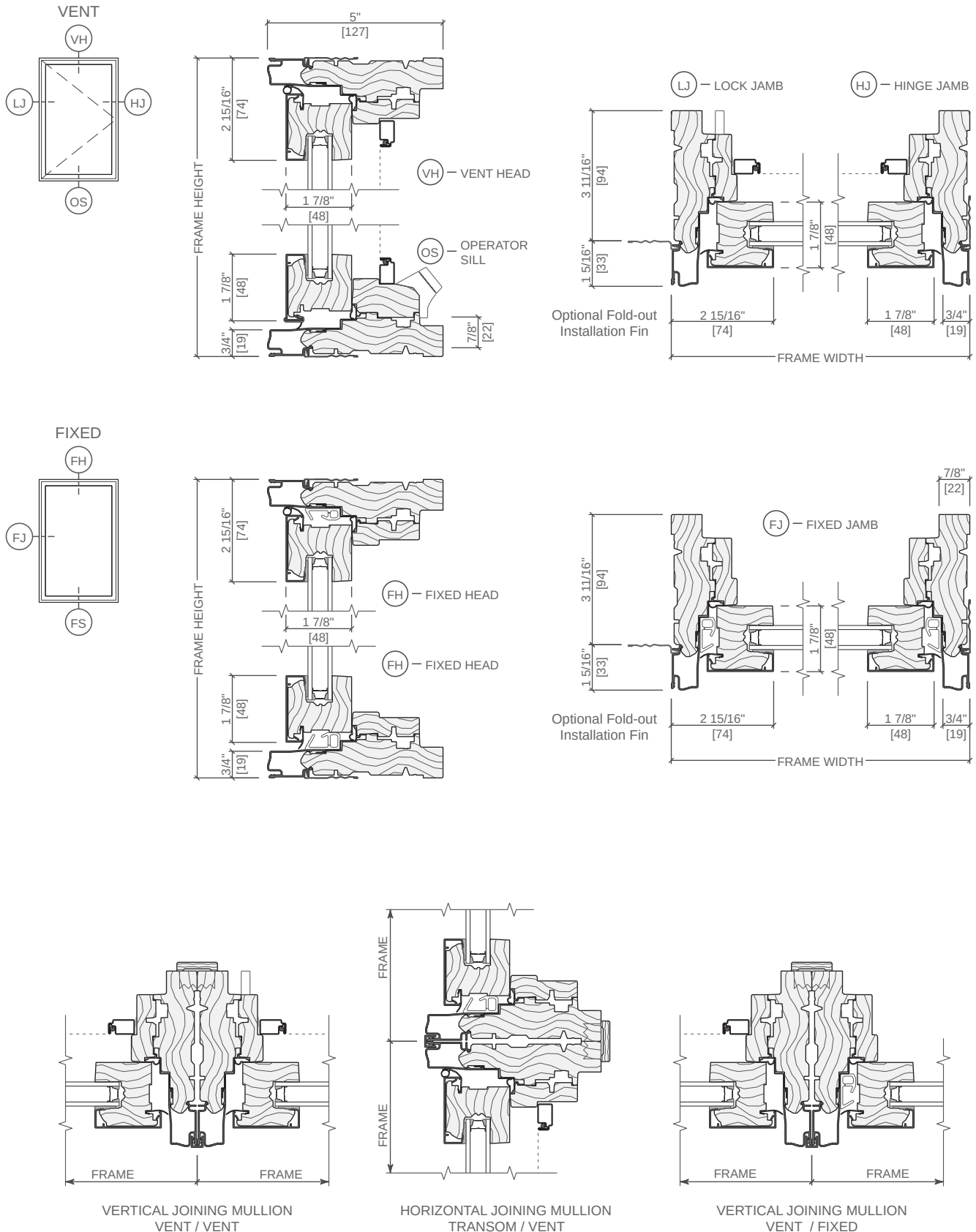
All dimensions are approximate.

See supporting combinations documents for mullion limitations and reinforcing requirements.



Pella® Reserve™ Contemporary Casement Window

Unit Sections – Aluminum-Clad Exterior, 1-7/8" Sash



Scale 3" = 1' 0"

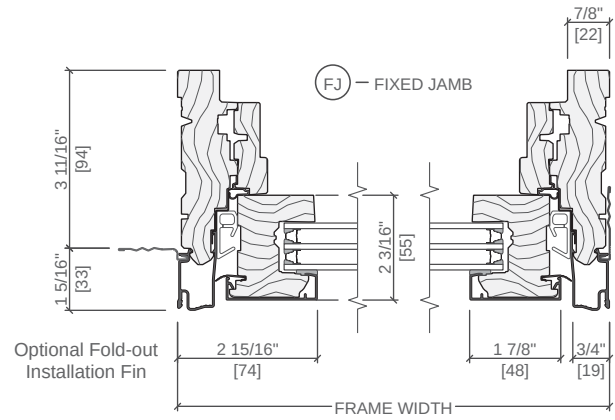
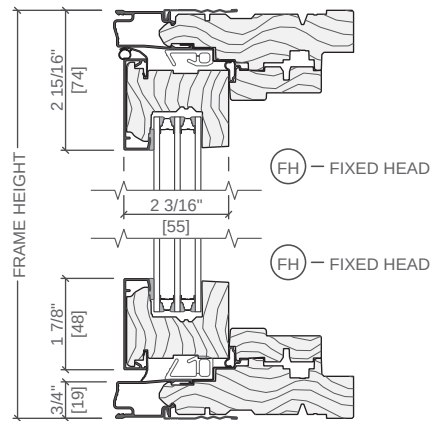
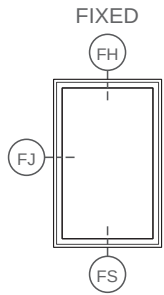
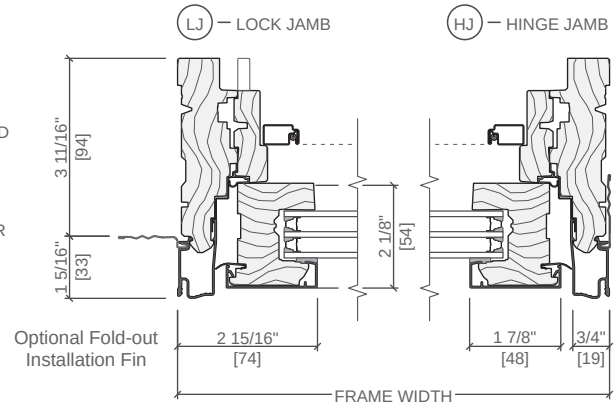
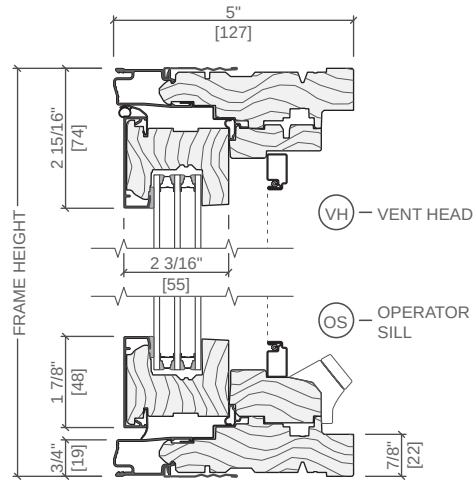
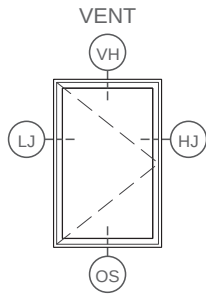
1-7/8" sash is standard for impact-resistant units. All dimensions are approximate.

See supporting combinations documents for mullion limitations and reinforcing requirements.



Pella® Reserve™ Contemporary Casement Window

Unit Sections - Aluminum-Clad Exterior, Triple-Pane, 1-7/8" Sash

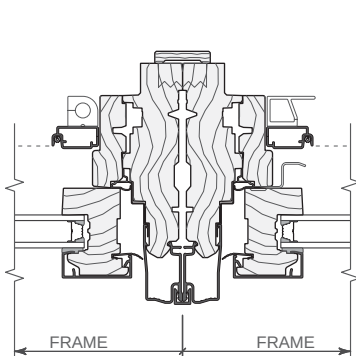
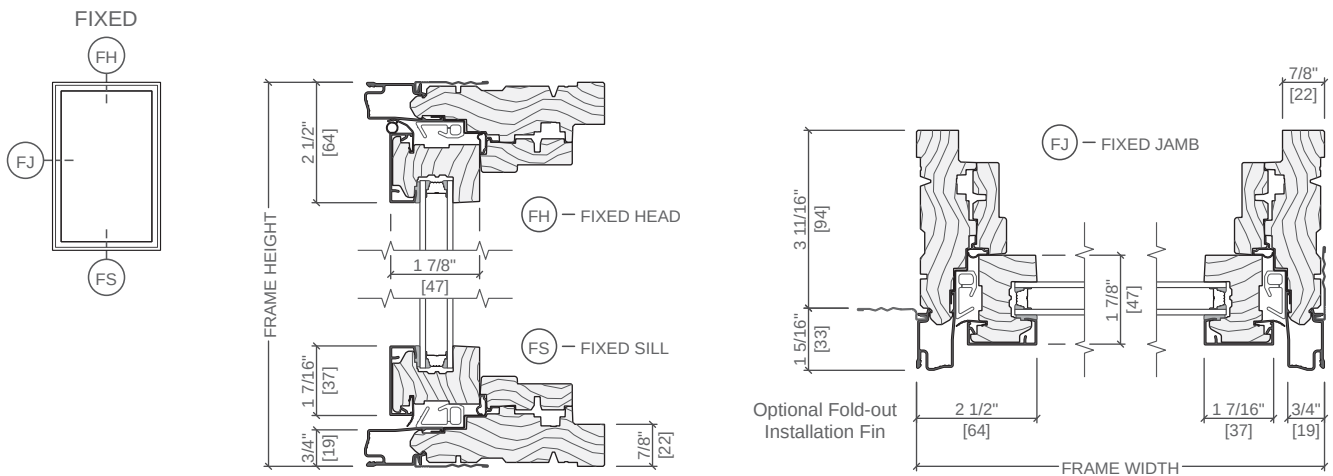
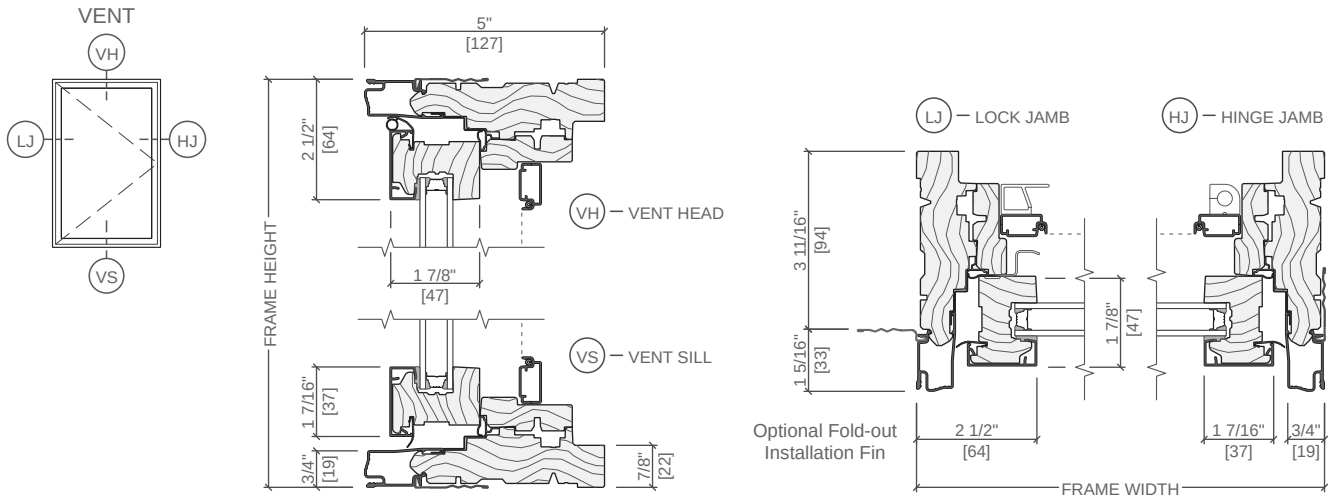


Scale 3" = 1' 0"
All dimensions are approximate.

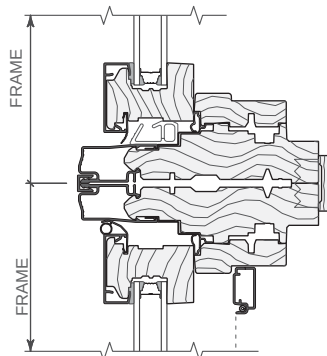


Pella® Reserve™ Contemporary Casement Window

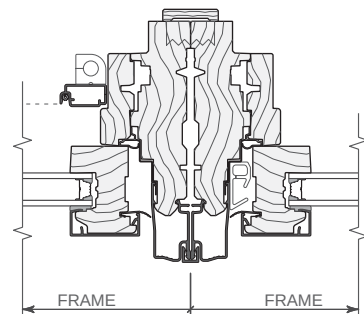
Unit Sections – Push-Out Casement, 1-7/16" Sash



VERTICAL JOINING MULLION
VENT / VENT



HORIZONTAL JOINING MULLION
TRANSOM / VENT



VERTICAL JOINING MULLION
VENT / FIXED

Scale 3" = 1' 0"

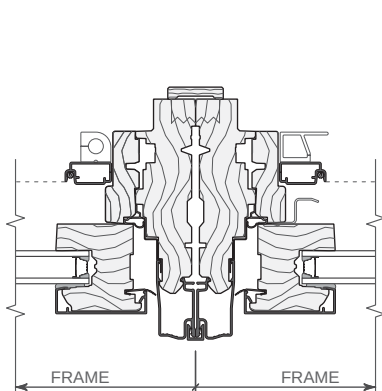
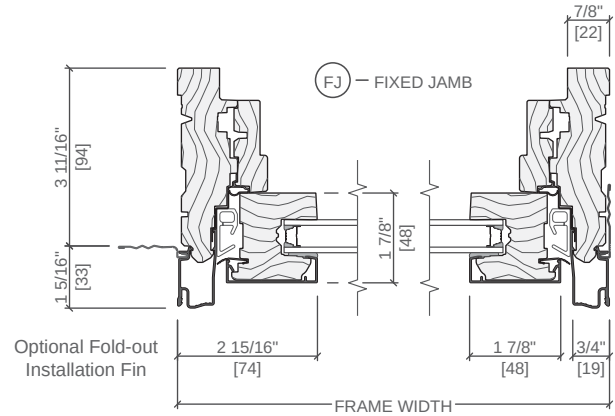
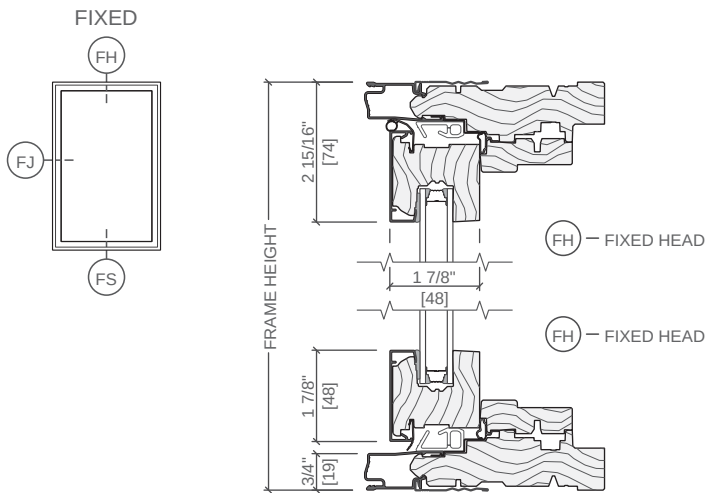
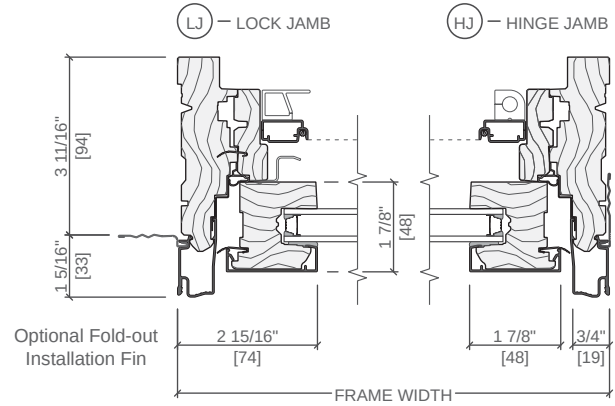
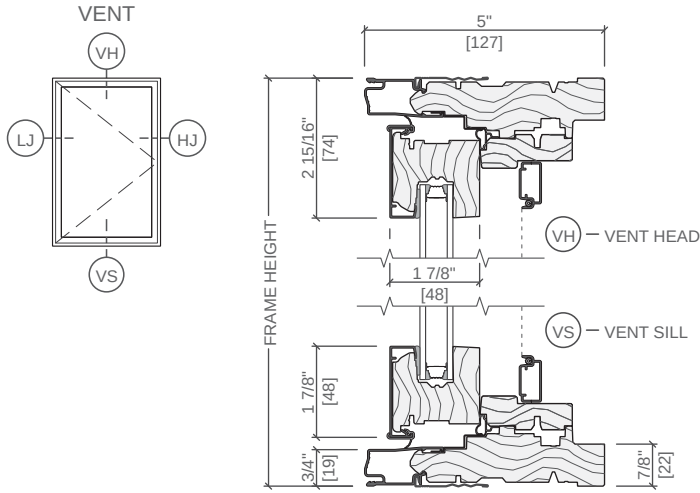
All dimensions are approximate.

See supporting combinations documents for mullion limitations and reinforcing requirements.

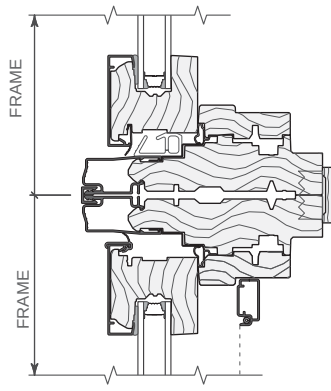


Pella® Reserve™ Contemporary Casement Window

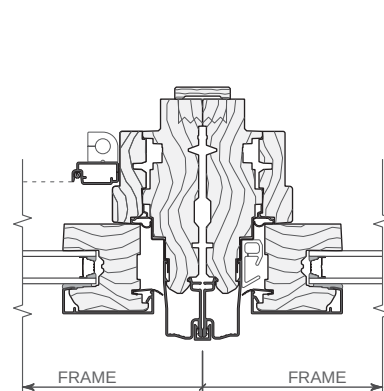
Unit Sections – Push-Out Casement, 1-7/8" Sash



VERTICAL JOINING MULLION
VENT / VENT



HORIZONTAL JOINING MULLION
TRANSOM / VENT



VERTICAL JOINING MULLION
VENT / FIXED

Scale 3" = 1' 0"

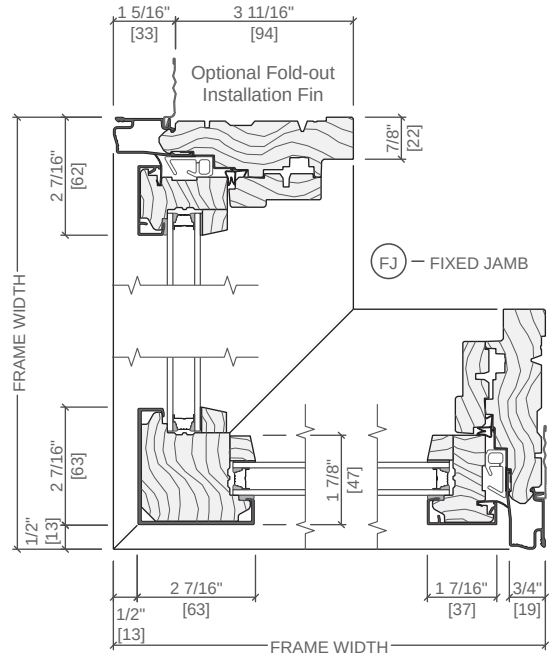
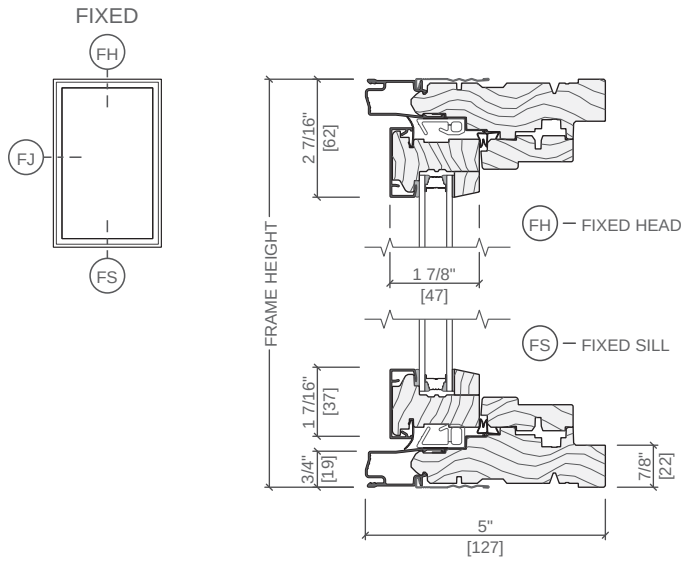
1-7/8" sash is standard for impact-resistant units. All dimensions are approximate.

See supporting combinations documents for mullion limitations and reinforcing requirements.

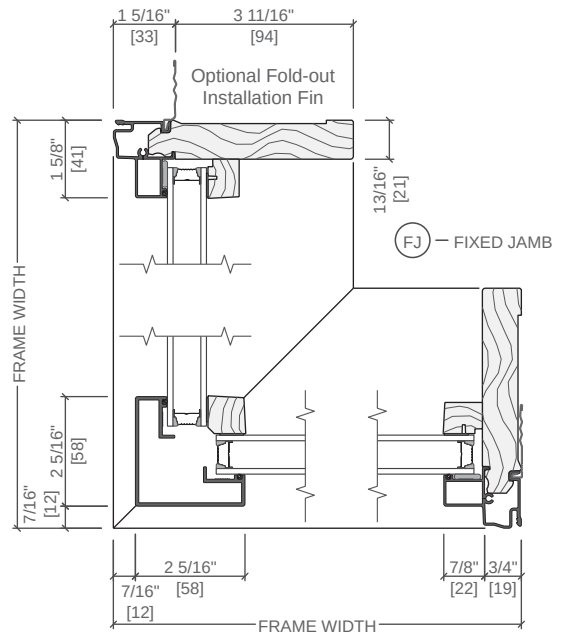
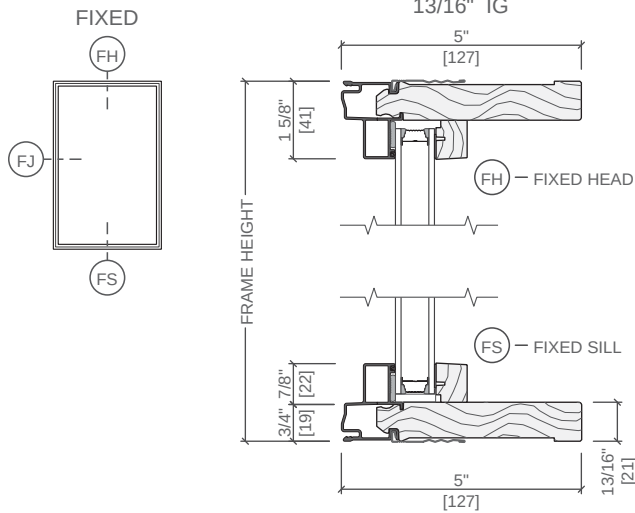


Pella® Reserve™ Contemporary Casement Window

Unit Sections – Mitered Corner



Fixed Frame Direct Set



Direct Set cross section included for comparison purposes. See Fixed Frame Direct Set section or contact your local Pella sales representative for product details
Scale 3" = 1' 0"
All dimensions are approximate.