



Product Selection Guide

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Supporting documents for this product:

Test Reports

https://media.pella.com/professional/adm/CertificationReports/Test_Reports_Vinyl-TS.pdf

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

https://media.pella.com/professional/adm/Vinyl-CSI_Specs/08562_SW-TSE.rtf

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

https://media.pella.com/professional/adm/Vinyl/V_SW.rtf

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

https://media.pella.com/professional/adm/Vinyl/VSW-Elev_D.dwg

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

https://media.pella.com/professional/adm/Vinyl/VSW-Detail_D.dwg

Combination Recommendations:

https://media.pella.com/professional/adm/Vinyl/ENC_CombRec.pdf

Installation Details:

https://media.pella.com/professional/adm/Vinyl/ENC_InstallDetails.pdf

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.

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Encompass by Pella® vinyl window products are intended only for use less than 40 feet above ground level.



Encompass by Pella® Sliding Window

Size and Performance Data

East Region Only

East Region Only	New Construction Frame		Replacement Frame
	Flange Frame	Standard Frame	
Sizes			
Standard sizes	●	●	●
Special sizes available built on 1/8" increments	●	●	●
Frames			
Nail Fin for 1-9/16" frame depth	—	●	—
Nail Fin with J-Channel for 1-9/16" frame depth	—	●	—
Flush Flange for 2-5/8" wall depth	●	—	—
Replacement frame for 2-11/16" frame depth	—	—	●
Performance ₁			
Meets or Exceeds AAMA/WDMA Ratings	HS-R20 – R35 Hallmark Certified	HS-R20 – R35 Hallmark Certified	HS-R20 – R35 Hallmark Certified
Air Infiltration (cfm/ft ² of frame @ 1.57 psf wind pressure)	0.09	0.18	0.18
Design Pressure	30–35 psf	20–35 psf	20–35 psf
Water Penetration Resistance	5.25 psf	3.0 – 5.25 psf	3.0 – 5.25 psf
Forced Entry Resistance	10	10	10
Operating Force (lb) Initiate Motion / Maintain Motion (of Hallmark tested size and glazing) ₂	13	13	13

West Region Only

	New Construction Frame	Replacement Frame
Sizes		
Standard sizes	●	—
Special sizes available built on 1/8" increments	●	●
Frames		
Nail Fin for 1-1/4" wall depth	●	—
Replacement Block Frame for 2-11/16" frame depth	—	●
Flush Flange for 2-5/8" wall depth	—	●
Performance ¹		
Meets or Exceeds AAMA/WDMA Ratings	HS-R20 – R35 Hallmark Certified	HS-R20 – R35 Hallmark Certified
Air Infiltration (cfm/ft ² of frame @ 1.57 psf wind pressure)	0.16	0.16
Design Pressure	25–30 psf	25–30 psf
Water Penetration Resistance	3.75 – 5.25 psf	3.75 – 5.25 psf
Forced Entry Resistance	20	20
Operating Force (lb) Initiate Motion / Maintain Motion (of Hallmark tested size and glazing) ₂	13	13

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(—) = Not Available

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

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



Encompass by Pella® Sliding Window

Features and Options

	New Construction Frame	Replacement Frame		New Construction Frame	Replacement Frame
Glazing (3/4" Insulating Glass)			Interior / Exterior Color (Regional availability may vary)		
Glazing Type			White	S	S
Dual-pane insulating glass	S	S	Almond	O	O ₂
Insulated Glass Options / Low-E Types			Fossil	O	O ₂
Advanced Low-E	O	O	Grilles-Between-the-Glass		
NaturalSun Low-E	O	O	Grille Types		
NaturalSun+ Low-E	O	O	3/4" Contour	S	S
SunDefense™ Low-E	O	O	5/8" Flat (West Only)	O	O
SunDefense+ Low-E	O	O	Grille Patterns		
Advanced Comfort Low-E (West Only)	O	O	Traditional	O	O
Clear (no Low-E coating)	S	S	Prairie	O	O
Additional Glass Options			Top Row	O	O
Annealed glass	S	S			
Tempered glass	O	O			
Obscure glass ₁	O	O			
Gas Fill / High Altitude					
Argon	O	O			
High Altitude (West Only)	O	O			
High Altitude with Argon (West Only)	O	O			

Sound Transmission Class and Outdoor-Indoor Transmission Class

Series	Product	Frame Size Tested ₃	Glazing System			STC Rating	OITC Rating
			Overall Glazing Thickness	Exterior Glass Thickness	Interior Glass Thickness		
2-11/16" Frame Depth (East Region Only)							
2-11/16" Frame Depth New Construction Frame	Sliding Window	72" x 48"	3/4"	2.5mm	2.5mm	26	21
2-11/16" Frame Depth (West Region Only)							
2-11/16" New Construction Frame	Sliding Window	72" x 48"	3/4"	2.5mm	2.5mm	25	21
2-11/16" Replacement Frame	Sliding Window	72" x 48"	3/4"	2.5mm	2.5mm	25	21

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

(1) Obscure glass patterns vary based on region. Size restrictions for units with Rain obscure glass are listed on the Special Size page of this section.

(2) East Region Only

(3) ASTM E 1425 defines standard sizes for acoustical testing. Ratings achieved at that size are representative of all sizes of the same configuration. For center-glass values, see the Product Performance section.



East and West Regions



Encompass by Pella® Sliding Window

Glazing Performance — Total Unit

Glass Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂	
										Zone				ER	Zone
Vent (≤35.5" High)										N	NC	SC	S	CA	
3/4"	Clear IG	PEL-N-136-00070-00001	2.5	2.5	air	0.47	0.64	0.67	45						
	with 3/4" Contour Grille	PEL-N-136-00070-00001				0.47	0.57	0.59	45						
3/4"	Advanced Low-E IG	PEL-N-136-00124-00001	2.5	2.5	air	0.33	0.30	0.57	57						
	with 3/4" Contour Grille	PEL-N-136-00124-00002				0.33	0.27	0.51	57						
3/4"	Advanced Low-E IG	PEL-N-136-00127-00001	2.5	2.5	argon	0.29	0.30	0.57	60						
	with 3/4" Contour Grille	PEL-N-136-00127-00002				0.29	0.27	0.51	60						
3/4"	NaturalSun Low-E IG	PEL-N-136-00123-00001	2.5	2.5	air	0.34	0.53	0.64	56						
	with 3/4" Contour Grille	PEL-N-136-00123-00002				0.34	0.48	0.57	56						
3/4"	NaturalSun Low-E IG	PEL-N-136-00126-00001	2.5	2.5	argon	0.30	0.53	0.64	59						
	with 3/4" Contour Grille	PEL-N-136-00126-00002				0.30	0.48	0.57	59						
3/4"	NaturalSun+ Low-E IG	PEL-N-136-00130-00001	2.5	2.5	argon	0.26	0.51	0.63	47	N				34	CA
	with 3/4" Contour Grille	PEL-N-136-00130-00002				0.26	0.46	0.56	47	N					
3/4"	SunDefense™ Low-E IG	PEL-N-136-00125-00001	2.5	2.5	air	0.32	0.23	0.52	57				S		
	with 3/4" Contour Grille	PEL-N-136-00125-00002				0.32	0.21	0.47	57				S		
3/4"	SunDefense™ Low-E IG	PEL-N-136-00129-00001	2.5	2.5	argon	0.29	0.22	0.52	60				S		
	with 3/4" Contour Grille	PEL-N-136-00129-00002				0.29	0.20	0.47	60				S		
3/4"	SunDefense+ Low-E IG	PEL-N-136-00131-00001	2.5	2.5	argon	0.25	0.22	0.51	49		NC	SC	S		
	with 3/4" Contour Grille	PEL-N-136-00131-00002				0.25	0.20	0.46	49		NC	SC	S		
Vent (≤35.5" High) with Foam Insulation															
3/4"	Advanced Low-E IG	PEL-N-136-00159-00001	2.5	2.5	air	0.32	0.30	0.57	57						
	with 3/4" Contour Grille	PEL-N-136-00159-00002				0.32	0.27	0.51	57						
3/4"	Advanced Low-E IG	PEL-N-136-00162-00001	2.5	2.5	argon	0.28	0.30	0.57	60						
	with 3/4" Contour Grille	PEL-N-136-00162-00002				0.28	0.27	0.51	60						
3/4"	NaturalSun Low-E IG	PEL-N-136-00158-00001	2.5	2.5	air	0.33	0.53	0.64	56						
	with 3/4" Contour Grille	PEL-N-136-00158-00002				0.33	0.48	0.57	56						
3/4"	NaturalSun Low-E IG	PEL-N-136-00161-00001	2.5	2.5	argon	0.29	0.53	0.64	59						
	with 3/4" Contour Grille	PEL-N-136-00161-00002				0.29	0.48	0.57	59						
3/4"	NaturalSun+ Low-E IG	PEL-N-136-00165-00001	2.5	2.5	argon	0.25	0.51	0.63	47	N				36	CA
	with 3/4" Contour Grille	PEL-N-136-00165-00002				0.25	0.46	0.56	47	N					
3/4"	SunDefense™ Low-E IG	PEL-N-136-00160-00001	2.5	2.5	air	0.31	0.23	0.52	57				S		
	with 3/4" Contour Grille	PEL-N-136-00160-00002				0.31	0.21	0.47	57				S		
3/4"	SunDefense™ Low-E IG	PEL-N-136-00164-00001	2.5	2.5	argon	0.28	0.22	0.52	60			SC	S		
	with 3/4" Contour Grille	PEL-N-136-00164-00002				0.28	0.20	0.47	60			SC	S		
3/4"	SunDefense+ Low-E IG	PEL-N-136-00166-00001	2.5	2.5	argon	0.24	0.22	0.51	49		NC	SC	S		
	with 3/4" Contour Grille	PEL-N-136-00166-00002				0.24	0.20	0.46	49		NC	SC	S		

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

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

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

For more information, see the ENERGY STAR guidelines.





Encompass by Pella® Sliding Window

Glazing Performance — Total Unit

Glass Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂	
										Zone				ER	Zone
Vent (>35.5" High)										N	NC	SC	S	CA	
3/4"	Clear IG	PEL-N-136-00070-00001	2.5	2.5	air	0.47	0.64	0.67	45						
	with 3/4" Contour Grille	PEL-N-136-00070-00001				0.47	0.57	0.59	45						
3/4"	Advanced Low-E IG	PEL-N-136-00072-00001	2.5	2.5	air	0.33	0.30	0.57	56						
	with 3/4" Contour Grille	PEL-N-136-00072-00002				0.33	0.27	0.51	56						
3/4"	Advanced Low-E IG	PEL-N-136-00075-00001	2.5	2.5	argon	0.29	0.30	0.57	58						
	with 3/4" Contour Grille	PEL-N-136-00075-00002				0.29	0.27	0.51	58						
3/4"	NaturalSun Low-E IG	PEL-N-136-00071-00001	2.5	2.5	air	0.34	0.53	0.64	56						
	with 3/4" Contour Grille	PEL-N-136-00071-00002				0.34	0.48	0.57	56						
3/4"	NaturalSun Low-E IG	PEL-N-136-00074-00001	2.5	2.5	argon	0.30	0.53	0.64	58						
	with 3/4" Contour Grille	PEL-N-136-00074-00002				0.30	0.48	0.57	58						
3/4"	NaturalSun+ Low-E IG	PEL-N-136-00186-00001	2.5	2.5	argon	0.26	0.51	0.63	47	N				34	X
	with 3/4" Contour Grille	PEL-N-136-00186-00002				0.26	0.46	0.56	47	N					
3/4"	SunDefense™ Low-E IG	PEL-N-136-00073-00001	2.5	2.5	air	0.33	0.23	0.52	57						
	with 3/4" Contour Grille	PEL-N-136-00073-00002				0.33	0.21	0.47	57						
3/4"	SunDefense™ Low-E IG	PEL-N-136-00077-00001	2.5	2.5	argon	0.29	0.22	0.52	58				S		
	with 3/4" Contour Grille	PEL-N-136-00077-00002				0.29	0.20	0.47	58				S		
3/4"	SunDefense+ Low-E IG	PEL-N-136-00187-00001	2.5	2.5	argon	0.25	0.22	0.51	48		NC	SC	S		
	with 3/4" Contour Grille	PEL-N-136-00187-00002				0.25	0.20	0.46	48		NC	SC	S		
Vent (>35.5" High) with Foam Insulation															
3/4"	Advanced Low-E IG	PEL-N-136-00199-00001	2.5	2.5	air	0.32	0.30	0.57	56						
	with 3/4" Contour Grille	PEL-N-136-00199-00002				0.32	0.27	0.51	56						
3/4"	Advanced Low-E IG	PEL-N-136-00202-00001	2.5	2.5	argon	0.29	0.30	0.57	60						
	with 3/4" Contour Grille	PEL-N-136-00202-00002				0.29	0.27	0.51	60						
3/4"	NaturalSun Low-E IG	PEL-N-136-00198-00001	2.5	2.5	air	0.33	0.53	0.64	56						
	with 3/4" Contour Grille	PEL-N-136-00198-00002				0.33	0.48	0.57	56						
3/4"	NaturalSun Low-E IG	PEL-N-136-00201-00001	2.5	2.5	argon	0.30	0.53	0.64	59						
	with 3/4" Contour Grille	PEL-N-136-00201-00002				0.30	0.48	0.57	59						
3/4"	NaturalSun+ Low-E IG	PEL-N-136-00205-00001	2.5	2.5	argon	0.25	0.51	0.63	47	N				36	CA
	with 3/4" Contour Grille	PEL-N-136-00205-00002				0.25	0.46	0.56	47	N					
3/4"	SunDefense™ Low-E IG	PEL-N-136-00200-00001	2.5	2.5	air	0.32	0.23	0.52	57				S		
	with 3/4" Contour Grille	PEL-N-136-00200-00002				0.32	0.21	0.47	57				S		
3/4"	SunDefense™ Low-E IG	PEL-N-136-00204-00001	2.5	2.5	argon	0.28	0.22	0.52	60			SC	S		
	with 3/4" Contour Grille	PEL-N-136-00204-00002				0.28	0.20	0.47	60			SC	S		
3/4"	SunDefense+ Low-E IG	PEL-N-136-00206-00001	2.5	2.5	argon	0.24	0.22	0.51	49		NC	SC	S		
	with 3/4" Contour Grille	PEL-N-136-00206-00002				0.24	0.20	0.46	49		NC	SC	S		

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

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

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Encompass by Pella® Sliding Window

Glazing Performance — Total Unit

Glass Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown						
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂		
										Zone				ER	Zone	
Vent (≤48" High)											N	NC	SC	S	CA	
3/4"	Clear IG	PEL-N-105-00066-00001	2.5	2.5	air	0.47	0.64	0.67	44							
	with Grilles-between-the-glass	PEL-N-105-00066-00002				0.47	0.58	0.60	44							
3/4"	Advanced Low-E IG	PEL-N-105-00165-00001	2.5	2.5	air	0.32	0.30	0.57	56							
	with Grilles-between-the-glass	PEL-N-105-00165-00002				0.32	0.27	0.51	56							
3/4"	Advanced Low-E IG	PEL-N-105-00168-00001	2.5	2.5	argon	0.29	0.30	0.57	59							
	with Grilles-between-the-glass	PEL-N-105-00168-00002				0.29	0.27	0.51	59							
3/4"	NaturalSun Low-E IG	PEL-N-105-00164-00001	2.5	2.5	air	0.33	0.53	0.64	55							
	with Grilles-between-the-glass	PEL-N-105-00164-00002				0.33	0.48	0.57	55							
3/4"	NaturalSun Low-E IG	PEL-N-105-00167-00001	2.5	2.5	argon	0.30	0.53	0.64	59							
	with Grilles-between-the-glass	PEL-N-105-00167-00002				0.30	0.48	0.57	59							
3/4"	NaturalSun+ Low-E IG	PEL-N-105-00171-00001	2.5	2.5	argon	0.25	0.51	0.63	47	N				37	CA	
	with Grilles-between-the-glass	PEL-N-105-00171-00002				0.25	0.46	0.56	47	N				34	CA	
3/4"	SunDefense™ Low-E IG	PEL-N-105-00166-00001	2.5	2.5	air	0.32	0.23	0.53	56				S			
	with Grilles-between-the-glass	PEL-N-105-00166-00002				0.32	0.21	0.47	56				S			
3/4"	SunDefense™ Low-E IG	PEL-N-105-00170-00001	2.5	2.5	argon	0.28	0.22	0.53	60			SC	S			
	with Grilles-between-the-glass	PEL-N-105-00170-00002				0.28	0.20	0.47	60			SC	S			
3/4"	SunDefense+ Low-E IG	PEL-N-105-00172-00001	2.5	2.5	argon	0.24	0.22	0.51	48		NC	SC	S			
	with Grilles-between-the-glass	PEL-N-105-00172-00002				0.24	0.20	0.46	48		NC	SC	S			
Vent (≤48" High) with Foam Insulation																
3/4"	Advanced Low-E IG	PEL-N-105-00177-00001	2.5	2.5	air	0.32	0.30	0.57	56							
	with Grilles-between-the-glass	PEL-N-105-00177-00002				0.32	0.28	0.51	56							
3/4"	Advanced Low-E IG	PEL-N-105-00180-00001	2.5	2.5	argon	0.28	0.30	0.57	60							
	with Grilles-between-the-glass	PEL-N-105-00180-00002				0.28	0.27	0.51	60							
3/4"	NaturalSun Low-E IG	PEL-N-105-00176-00001	2.5	2.5	air	0.32	0.53	0.64	55							
	with Grilles-between-the-glass	PEL-N-105-00176-00002				0.32	0.48	0.57	55							
3/4"	NaturalSun Low-E IG	PEL-N-105-00179-00001	2.5	2.5	argon	0.29	0.53	0.64	59							
	with Grilles-between-the-glass	PEL-N-105-00179-00002				0.29	0.48	0.57	59							
3/4"	NaturalSun+ Low-E IG	PEL-N-105-00183-00001	2.5	2.5	argon	0.25	0.51	0.63	47	N				37	CA	
	with Grilles-between-the-glass	PEL-N-105-00183-00002				0.25	0.46	0.56	47	N				34	CA	
3/4"	SunDefense™ Low-E IG	PEL-N-105-00178-00001	2.5	2.5	air	0.31	0.23	0.53	56				S			
	with Grilles-between-the-glass	PEL-N-105-00178-00002				0.31	0.21	0.47	56				S			
3/4"	SunDefense™ Low-E IG	PEL-N-105-00182-00001	2.5	2.5	argon	0.27	0.22	0.53	60			SC	S			
	with Grilles-between-the-glass	PEL-N-105-00182-00002				0.27	0.20	0.47	60			SC	S			
3/4"	SunDefense+ Low-E IG	PEL-N-105-00184-00001	2.5	2.5	argon	0.23	0.22	0.51	48		NC	SC	S			
	with Grilles-between-the-glass	PEL-N-105-00184-00002				0.23	0.20	0.46	48		NC	SC	S			

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

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Encompass by Pella® Sliding Window

Glazing Performance — Total Unit

Glass Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown						
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂		
										Zone				ER	Zone	
Vent (>48" High)											N	NC	SC	S	CA	
3/4"	Clear IG	PEL-N-105-00066-00001	2.5	2.5	air	0.47	0.64	0.67	44							
	with Grilles-between-the-glass	PEL-N-105-00066-00002				0.47	0.58	0.60	44							
3/4"	Advanced Low-E IG	PEL-N-105-00068-00001	2.5	2.5	air	0.33	0.30	0.57	56							
	with Grilles-between-the-glass	PEL-N-105-00068-00002				0.33	0.27	0.51	56							
3/4"	Advanced Low-E IG	PEL-N-105-00072-00001	2.5	2.5	argon	0.29	0.30	0.57	59							
	with Grilles-between-the-glass	PEL-N-105-00072-00002				0.29	0.27	0.51	59							
3/4"	NaturalSun Low-E IG	PEL-N-105-00067-00001	2.5	2.5	air	0.34	0.53	0.64	55							
	with Grilles-between-the-glass	PEL-N-105-00067-00002				0.34	0.48	0.57	55							
3/4"	NaturalSun Low-E IG	PEL-N-105-00071-00001	2.5	2.5	argon	0.30	0.53	0.64	58							
	with Grilles-between-the-glass	PEL-N-105-00071-00002				0.30	0.48	0.57	58							
3/4"	NaturalSun+ Low-E IG	PEL-N-105-00197-00001	2.5	2.5	argon	0.26	0.51	0.63	46	N				36	CA	
	with Grilles-between-the-glass	PEL-N-105-00197-00002				0.26	0.46	0.56	46	N						
3/4"	SunDefense™ Low-E IG	PEL-N-105-00070-00001	2.5	2.5	air	0.32	0.23	0.53	56				S			
	with Grilles-between-the-glass	PEL-N-105-00070-00002				0.32	0.21	0.47	56				S			
3/4"	SunDefense™ Low-E IG	PEL-N-105-00074-00001	2.5	2.5	argon	0.29	0.22	0.53	59				S			
	with Grilles-between-the-glass	PEL-N-105-00074-00002				0.29	0.20	0.47	59				S			
3/4"	SunDefense+ Low-E IG	PEL-N-105-00198-00001	2.5	2.5	argon	0.25	0.22	0.51	48		NC	SC	S			
	with Grilles-between-the-glass	PEL-N-105-00198-00002				0.25	0.20	0.46	48		NC	SC	S			
Vent (>48" High) with Foam Insulation																
3/4"	Advanced Low-E IG	PEL-N-105-00202-00001	2.5	2.5	air	0.32	0.30	0.57	56							
	with Grilles-between-the-glass	PEL-N-105-00202-00002				0.32	0.27	0.51	56							
3/4"	Advanced Low-E IG	PEL-N-105-00205-00001	2.5	2.5	argon	0.29	0.30	0.57	59							
	with Grilles-between-the-glass	PEL-N-105-00205-00002				0.29	0.27	0.51	59							
3/4"	NaturalSun Low-E IG	PEL-N-105-00201-00001	2.5	2.5	air	0.33	0.53	0.64	55							
	with Grilles-between-the-glass	PEL-N-105-00201-00002				0.33	0.48	0.57	55							
3/4"	NaturalSun Low-E IG	PEL-N-105-00204-00001	2.5	2.5	argon	0.30	0.53	0.64	58							
	with Grilles-between-the-glass	PEL-N-105-00204-00002				0.30	0.48	0.57	58							
3/4"	NaturalSun+ Low-E IG	PEL-N-105-00208-00001	2.5	2.5	argon	0.25	0.51	0.63	46	N				37	CA	
	with Grilles-between-the-glass	PEL-N-105-00208-00002				0.25	0.46	0.56	46	N				34	CA	
3/4"	SunDefense™ Low-E IG	PEL-N-105-00203-00001	2.5	2.5	air	0.32	0.23	0.53	56				S			
	with Grilles-between-the-glass	PEL-N-105-00203-00002				0.32	0.21	0.47	56				S			
3/4"	SunDefense™ Low-E IG	PEL-N-105-00207-00001	2.5	2.5	argon	0.28	0.22	0.53	59			SC	S			
	with Grilles-between-the-glass	PEL-N-105-00207-00002				0.28	0.20	0.47	59			SC	S			
3/4"	SunDefense+ Low-E IG	PEL-N-105-00209-00001	2.5	2.5	argon	0.25	0.22	0.51	48		NC	SC	S			
	with Grilles-between-the-glass	PEL-N-105-00209-00002				0.25	0.20	0.46	48		NC	SC	S			

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

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

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

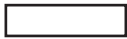
For more information, see the ENERGY STAR guidelines.





Grilles

Grille Profiles



5/8" Flat Grille

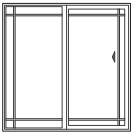


3/4" Contour Grille

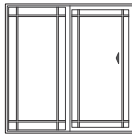
(West Region Only)

Grille Patterns

PRAIRIE GLASS PATTERNS



6-Lite Prairie

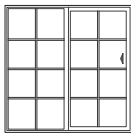


9-Lite Prairie

Prairie

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

OTHER GBG PATTERNS



Traditional



Top Row

Traditional

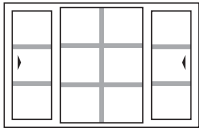
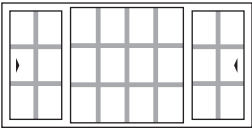
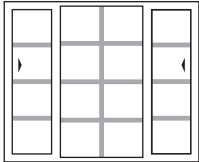
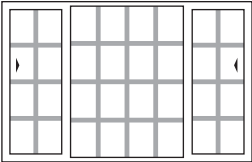
- Specify number of lites.
- Must be equally divided on visible glass.
- Minimum 6" x 6" center-to-center.
- Available in other window shapes.

Top Row

- Dimension must be ≤1/2 actual glass.

Standard Traditional Grille Pattern Breakpoints

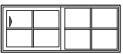
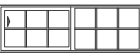
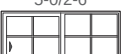
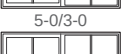
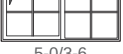
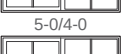
		Actual Frame Widths		
		1-Wide	2-Wide	3-Wide
		21-1/2" to 29-3/8"	29-1/2" to 65-1/2"	65-5/8" to 73-1/2"
		XO/OX Units		
Actual Frame Heights	1-High	11-1/2" to 17-3/8"		
	2-High	17-1/2" to 32-3/8"		
	3-High	32-1/2" to 44-3/8"		
	4-High	44-1/2" to 60"		

		Actual Frame Widths		
		1w/2w/1w	2w/4w/2w	
		59-1/2" to 71-3/8"	71-1/2" to 97-1/2"	
		XOX Units		
Actual Frame Heights	1-High	11-1/2" to 17-3/8"		
	2-High	17-1/2" to 32 3/8"		
	3-High	32-1/2" to 44-3/8"		
	4-High	44-1/2" to 60"		



Encompass by Pella® Sliding Window

Size Tables

		(610) (597)	(914) (902)	(1 219) (1 207)	(1 524) (1 511)	(1 829) (1 816)
Opening		2' 0"	3' 0"	4' 0"	5' 0"	6' 0"
Frame		23 1/2"	35 1/2"	47 1/2"	59 1/2"	71 1/2"
(610) (597)	2' 0"	 2-0/2-0	 3-0/2-0	 4-0/2-0	 5-0/2-0	 6-0/2-0
(762) (749)	2' 6"	 2-0/2-6	 3-0/2-6	 4-0/2-6	 5-0/2-6	 6-0/2-6 E
(914) (902)	3' 0"	 2-0/3-0	 3-0/3-0	 4-0/3-0	 5-0/3-0 E	 6-0/3-0 E
(1 067) (1 054)	3' 6"		 3-0/3-6	 4-0/3-6 E ₁	 5-0/3-6 E	 6-0/3-6 E
(1 219) (1 207)	4' 0"		 3-0/4-0	 4-0/4-0 E	 5-0/4-0 E	 6-0/4-0 E
(1 372) (1 359)	4' 6"		 3-0/4-6	 4-0/4-6 E	 5-0/4-6 E	 6-0/4-6 E
(1 524) (1 511)	5' 0"		 3-0/5-0	 4-0/5-0 E	 5-0/5-0 E	 6-0/5-0 E

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.

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

Not to scale.
(1) XO units shown also available as OX



East and West Regions



Encompass by Pella® Sliding Window

Size Tables

XOX Units ₁		(1 829) (1 816)	(2 134) (2 121)	(2 438) (2 426)
Opening		6' 0"	7' 0"	8' 0"
Frame		71 1/2"	83 1/2"	95 1/2"
(610) (597)	2' 0"			
(762) (749)	2' 6"			
(914) (902)	3' 0"			
(1 067) (1 054)	3' 6"			
(1 219) (1 207)	4' 0"			
(1 372) (1 359)	4' 6"			
(1 524) (1 511)	5' 0"			

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

Not to scale.
(1) 1/4-Vent shown, 24" vent also available.

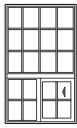
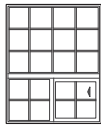
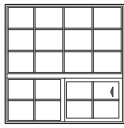
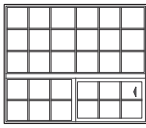
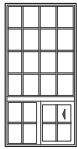
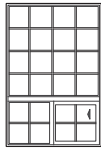
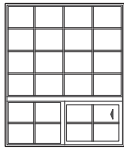
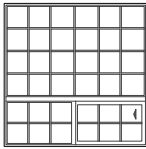


East and West Regions

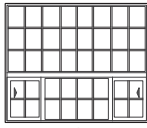
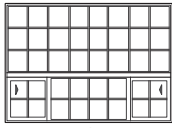
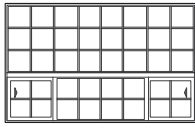


Size Tables

Fixed over XO/OX Composites with Integral Mullion₁

		(914) (902)	(1 219) (1 207)	(1 524) (1 511)	(1 829) (1 816)
	Opening	3' 0"	4' 0"	5' 0"	6' 0"
	Frame	35 1/2"	47 1/2"	59 1/2"	71 1/2"
(1 524) (1 511)	5' 0"				
		3-0/5-0	4-0/5-0	5-0/5-0	6-0/5-0
(1 829) (1 816)	6' 0"				
		3-0/6-0	4-0/6-0	5-0/6-0	6-0/6-0

Fixed over XOX Composites with Integral Mullion

		(1 829) (1 816)	(2 134) (2 121)	(2 438) (2 426)
	Opening	6' 0"	7' 0"	8' 0"
	Frame	71 1/2"	83 1/2"	95 1/2"
(1 524) (1 511)	5' 0"			
		6-0/5-0	7-0/5-0	8-0/5-0

Not to scale.
Venting unit frame height is 23-1/2".
(1) XO units shown also available as OX



East and West Regions



Encompass by Pella® Sliding Window

Size Tables - Florida Region Only

XO and OX Units₁

Call Size		H3	2	3	D2
2	Masonry	27 1/4"	37 3/4"	53 7/8"	74 3/4"
	Buck	25 3/4"	36 1/4"	52 3/8"	73 1/4"
	Frame	25 1/2"	36"	52 1/8"	73"
	Tip to Tip	26 3/4"	37 1/4"	53 3/8"	74 1/4"
3		 FL-H32	 FL-22	 FL-32	 FL-D22
		 FL-H33	 FL-23	 FL-33 E ₁	 FL-D23 E
		 FL-H34	 FL-24	 FL-34 E	 FL-D24 E
4					

XOX Units₁

Call Size		3	D2	D3
2	Masonry	53 7/8"	74 3/4"	107 1/8"
	Buck	52 3/8"	73 1/4"	105 5/8"
	Frame	52 1/8"	73"	105 3/8"
	Tip to Tip	53 3/8"	74 1/4"	106 5/8"
3		 FL-32	 FL-D22	 FL-D32
		 FL-33	 FL-D23	 FL-D33 E ₁
		 FL-34	 FL-D24	 FL-D34 E
4				

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.

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

Not to scale.

(1) XO units shown also available as OX

(2) 1/4-Vent shown, 24" vent also available.



Florida Region Only



Encompass by Pella® Sliding Window

Special Sizes and Dimensions - East Region, Florida Region

XO or OX Vent			XOX Vent		
	MINIMUM (Including Florida)	FLORIDA MAXIMUM		MINIMUM (Including Florida)	FLORIDA MAXIMUM
	21-1/2" W x 14-1/2" H (546 x 368)	73" W x 62" H (1854 x 1575)		47-1/2" W x 14-1/2" H (1207 x 368)	110" W x 62" H (2743 x 1575)
	EAST MAXIMUM 73" W x 60" H (1854 x 1524)			EAST MAXIMUM 108" W x 60" H (2743 x 1524)	

Notes:

XO/OX Units:

- Maximum Frame Height $\leq$ Frame Width x 1.75.

XOX Units

- Standard vent sash are 1/4 width of frame.
- Special 24" vent sash are available in units $\geq$ 71-1/2" and $<$ 95-1/2".
- Maximum Frame Height $\leq ((\text{Frame Width} \div 2) \times 3.5)$.

Fixed over XO or OX Composites		Fixed over XOX composites	
	MINIMUM		MINIMUM
	21-1/2"W x 35-1/2"H (546 x 902)		47-1/2"W x 35-1/2"H (1207 x 902)
	MAXIMUM 73-1/2"W x 95-1/2"H (1854 x 2426)		MAXIMUM 97-1/2"W x 95-1/2"H (2476 x 2426)

Composite Notes:

- Top Fixed Frame Height: 11-1/2" to 80-1/2".
- Maximum Top Fixed Frame Area $\leq$ 28 ft².
- Maximum Total Frame Area $\leq$ 48 ft².
- Units are not AAMA/WDMA performance certified.

Miscellaneous Formulas (2-11/16" Frame Depth East Region)

Clear Opening	XO and OX Equal Sash		Quarter Vent XOX		24" Vent XOX	
	COW = (FW ÷ 2) – 3.25"		COW = (FW ÷ 4) – 2.25"		COW = FW - 21.5"	
	COH = FH – 3"					
	Vent Area Ft² = (COW x COH) ÷ 144					
Actual Glass	Vent Sash	Fixed	Vent Sash	Fixed	Vent Sash	Fixed
	AGW = (FW ÷ 2) - 2.25"	AGW = (FW ÷ 2) - 2"	AGW = (FW ÷ 4) - 3	AGW = (FW ÷ 2) - 2.25"	AGW = 20.875"	AGW = (FW - 48) - 2"
	AGH = FH - 4.3125"	AGH = FH - 2"	AGH = FH - 4.3125"	AGH = FH - 2"	AGH = FH - 4.3125"	AGH = FH - 2"
visible Glass	VGW = AGW - 1.1875"	VGW = AGW - 1.3125"	VGW = AGW - 1.1875"	VGW = AGW - 1.3125"	VGW = AGW - 1.1875"	VGW = AGW - 1.3125"
	VGH = AGH - 1.25"	VGH = AGH - 1.375"	VGH = AGH - 1.25"	VGH = AGH - 1.375"	VGH = AGH - 1.25"	VGH = AGH - 1.375"

Key:

AGW = Actual Glass Width
AGH = Actual Glass Height
FW = Frame Width

FH = Frame Height
COW = Clear Opening Width
COH = Clear Opening Height

VGW = Visible Glass Width
VGH = Visible Glass Height

Encompass by Pella® vinyl window products are intended only for use less than 40 feet above ground level.

Rough Opening = Frame Dimension + 1/2"

If glass width/height ratio is $>$ 5:1, then unit must be tempered.

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



East Region Only



Encompass by Pella® Sliding Window

Special Sizes and Dimensions - West Region

XO or OX Vent		XOX Vent	
	MINIMUM 21-1/2" W x 9" H (546 x 229)		MINIMUM 47-1/2" W x 11-1/2" H (1 207 x 292)
	MAXIMUM 73-1/2" W x 60" H (1 867 x 1 524)		MAXIMUM 97-1/2" W x 60" H (2 476 x 1 524)

Notes:

- Maximum Frame Height $\leq$ Frame Width x 1.75.
- 24" vent sash are available when frame width $\geq$ 47-1/2".
- 1/4 vent is available when frame width $\geq$ 43-1/2".
- Custom Split sash dimension must be $\geq$ [(Call Width x 1/4) +.2] and $\leq$ [(Call Width x 1/2) +.2] and $>$ 11.2.
- Custom sash split is available for Encompass branded products only.
- 24" vent sash are available in units $\geq$ 71-1/2" and $<$ 95-1/2".
- 1/4 vent is available when frame width $\geq$ 43-1/2".
- Custom Split sash dimension must be $\geq$ [(Call width x 1/4) +.2] and $\leq$ [(Call Width x 1/3) +.2].
- Custom sash split is available for Encompass branded products only.

Fixed over XO or OX Composites		Fixed Over XOX Composites	
	MINIMUM 21-1/2" W x 35-1/2" H (546 x 902)		MINIMUM 47-1/2" W x 35-1/2" H (1 207 x 902)
	MAXIMUM 73-1/2" W x 95-1/2" H (1 854 x 2 426)		MAXIMUM 97-1/2" W x 95-1/2" H (2 476 x 2 426)

Composite Unit Notes:

- Top Fixed Frame Height: 11-1/2" to 80-1/2".
- Maximum Top Fixed Frame Area $\leq$ 28 ft².
- Maximum Total Frame Area $\leq$ 48 ft².
- Units are not AAMA/WDMA performance certified.

Rain Obscure Glass Limitations

2-11/16" Frame Depth:

- OX or XO units: Frame ft² must be $\leq$ 20 ft².
- O/XO or O/OX composites:
(FW $\div$ 2 x FH of bottom unit) $\div$ 144 must be $\leq$ 10 ft². Overall frame $\leq$ 26.6 ft².
- XOX units: (Frame $\div$ 4 X FH) ft² must be $\leq$ 10 ft². Overall frame $\leq$ 26.6 ft².
- O/XOX composites: (Frame $\div$ 4 x FH of bottom unit) $\div$ 144 must be $\leq$ 10 ft². Overall frame $\leq$ 26.6 ft².

Miscellaneous Formulas for West Region Sliding Window

	2 Panel - XO / OX		3 Panel - XOX	
Clear Opening (inches)	COH = FH - 3			
	Equal Sash	COW = (FW ÷ 2) - 3.375	Quarter Vent	COW = (FW + .5) ÷ 4 - 3.625
	24" Vent	COW = 20.375	Third Vent	COW = (FW + .5) ÷ 3 - 3.625
	Quarter Vent	COW = (FW + .5) ÷ 4 - 3.625	24" Vent	COW = 20.375
	Custom Vent	COW = Interior Checkrail Location from Vent Jamb - 3.825	Custom Vent	COW = Interior Checkrail Location from Vent Jamb - 3.825
Actual Glass (inches)	Vent Sash AGH = FH - 4-5/16, Fixed Sash AGH = FH - 2			
	Equal Sash	AGW = (FW ÷ 2) - 2.875	Quarter Vent	AGW = (FW + .5) ÷ 4 - 3.125
	24" Vent	AGW = 20.875	Third Vent	AGW = (FW + .5) ÷ 3 - 3.125
	Quarter Vent	AGW = (FW + .5) ÷ 4 - 3.125	24" Vent	AGW = 20.875
	Custom Vent	AGW = Interior Checkrail Location from Vent Jamb - 3.325	Custom Vent	AGW = Interior Checkrail Location from Vent Jamb - 3.325
Visible Glass (inches)	VGH = AGH - 1			
	Equal Sash	VGW = (FW ÷ 2) - 2.250	Quarter Vent	VGW = FW - (2 x (FW + .5) ÷ 4) - 2
	24" Vent	VGW = FW - 20.875 - 5.125	Third Vent	VGW = FW - (2 x (FW + .5) ÷ 3) - 2
	Quarter Vent	VGW = FW - ((FW + .5) ÷ 4 - 3.125) - 5.125	24" Vent	VGW = FW - (2 x 20.875) - 8.25
	Custom Vent	VGW = FW - (Interior Checkrail Location from Vent Jamb - 3.325) - 5.125	Custom Vent	VGW = FW - (2 x Interior Checkrail Location from Vent Jamb) - 1.600

KEY:

AGW = Actual Glass Width
AGH = Actual Glass Height
FW = Frame Width
FH = Frame Height
COW = Clear Opening Width
COH = Clear Opening Height
VGW = Visible Glass Width
VGH = Visible Glass Height



West Region Only

Encompass by Pella® vinyl window products are intended only for use less than 40 feet above ground level.

Rough Opening = Frame Dimension + 1/2"

Vent Area Ft² = (COW x COH) $\div$ 144

If glass width/height ratio is $>$ 5:1, then unit must be tempered

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



Encompass by Pella® Sliding Window

Design Data - East Region

XO/OX Equal Vent 2-11/16" Frame - East Region Only

Unit	Egress	Frame (Inches)		Clear Opening (Inches)			Vent Area Ft²	Visible Glass Ft²	Standard Glass Thickness (mm)		Performance Class & Grade ¹
		Width	Height	Width	Height	Ft²			Annealed	Tempered	
2-0/2-0		23-1/2	23-1/2	8-1/2	20-1/2	1.2	1.2	2.2	2.5	3	R35
2-0/2-6		23-1/2	29-1/2	8-1/2	26-1/2	1.6	1.6	2.9	2.5	3	R35
2-0/3-0		23-1/2	35-1/2	8-1/2	32-1/2	1.9	1.9	3.6	2.5	3	R35
3-0/2-0		35-1/2	23-1/2	14-1/2	20-1/2	2.1	2.1	3.8	2.5	3	R35
3-0/2-6		35-1/2	29-1/2	14-1/2	26-1/2	2.7	2.7	5.0	2.5	3	R35
3-0/3-0		35-1/2	35-1/2	14-1/2	32-1/2	3.3	3.3	6.2	2.5	3	R35
3-0/3-6		35-1/2	41-1/2	14-1/2	38-1/2	3.9	3.9	7.4	2.5	3	R30
3-0/4-0		35-1/2	47-1/2	14-1/2	44-1/2	4.5	4.5	8.6	2.5	3	R30
3-0/4-6		35-1/2	53-1/2	14-1/2	50-1/2	5.1	5.1	9.8	2.5	3	R30
3-0/5-0		35-1/2	59-1/2	14-1/2	56-1/2	5.7	5.7	11.0	2.5	3	R30
4-0/2-0		47-1/2	23-1/2	20-1/16	20-1/2	2.9	2.9	5.4	2.5	3	R35
4-0/2-6		47-1/2	29-1/2	20-1/16	26-1/2	3.8	3.8	7.1	2.5	3	R35
4-0/3-0		47-1/2	35-1/2	20-1/16	32-1/2	4.6	4.6	8.8	2.5	3	R35
4-0/3-6	E ₁	47-1/2	41-1/2	20-1/16	38-1/2	5.5	5.5	10.5	2.5	3	R30
4-0/4-0	E	47-1/2	47-1/2	20-1/16	44-1/2	6.3	6.3	12.2	2.5	3	R30
4-0/4-6	E	47-1/2	53-1/2	20-1/16	50-1/2	7.2	7.2	13.9	2.5	3	R30
4-0/5-0	E	47-1/2	59-1/2	20-1/16	56-1/2	8.0	8.0	15.5	2.5	3	R30
5-0/2-0		59-1/2	23-1/2	26-1/16	20-1/2	3.8	3.8	7.0	2.5	3	R35
5-0/2-6		59-1/2	29-1/2	26-1/16	26-1/2	4.9	4.9	9.2	2.5	3	R35
5-0/3-0	E	59-1/2	35-1/2	26-1/16	32-1/2	6.0	6.0	11.4	2.5	3	R35
5-0/3-6	E	59-1/2	41-1/2	26-1/16	38-1/2	7.1	7.1	13.5	2.5	3	R30
5-0/4-0	E	59-1/2	47-1/2	26-1/16	44-1/2	8.2	8.2	15.7	2.5	3	R30
5-0/4-6	E	59-1/2	53-1/2	26-1/16	50-1/2	9.3	9.3	17.9	2.5	3	R30
5-0/5-0	E	59-1/2	59-1/2	26-1/16	56-1/2	10.4	10.4	20.1	2.5	3	R30
6-0/2-0		71-1/2	23-1/2	32-1/16	20-1/2	4.6	4.6	8.5	2.5	3	R35
6-0/2-6	E	71-1/2	29-1/2	32-1/16	26-1/2	6.0	6.0	11.2	2.5	3	R35
6-0/3-0	E	71-1/2	35-1/2	32-1/16	32-1/2	7.3	7.3	13.9	2.5	3	R35
6-0/3-6	E	71-1/2	41-1/2	32-1/16	38-1/2	8.7	8.7	16.6	2.5	3	R30
6-0/4-0	E	71-1/2	47-1/2	32-1/16	44-1/2	10.0	10.0	19.3	2.5	3	R30
6-0/4-6	E	71-1/2	53-1/2	32-1/16	50-1/2	11.4	11.4	22.0	2.5	3	R30
6-0/5-0	E	71-1/2	59-1/2	32-1/16	56-1/2	12.8	12.8	24.7	3	3	R30

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.

Encompass by Pella® vinyl window products are intended only for use less than 40 feet above ground level.

(1) Maximum performance when glazed with the appropriate glass thickness.

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



East Region Only



Encompass by Pella® Sliding Window

Design Data - East Region

XOX 2-11/16" Frame - East Region

Unit	Egress	Frame (Inches)		Clear Opening (Inches)			Vent Area Ft²	Visible Glass Ft²	Standard Glass Thickness (mm)		Performance Class & Grade ¹
		Width	Height	Width	Height	Ft²			Annealed	Tempered	
6-0/2-0		71-1/2	23-1/2	15-3/8	20.5	2.2	4.4	6.2	2.5	3	R35
6-0/2-6		71-1/2	29-1/2	15-3/8	26.5	2.9	5.8	8.2	2.5	3	R35
6-0/3-0		71-1/2	35-1/2	15-3/8	32.5	3.5	7.1	10.1	2.5	3	R35
6-0/3-6		71-1/2	41-1/2	15-3/8	38.5	4.2	8.4	12.0	2.5	3	R30
6-0/4-0		71-1/2	47-1/2	15-3/8	44.5	4.8	9.7	13.9	2.5	3	R30
6-0/4-6		71-1/2	53-1/2	15-3/8	50.5	5.5	11.0	15.8	2.5	3	R25
6-0/5-0		71-1/2	59-1/2	15-3/8	56.5	6.1	12.3	17.8	2.5	3	R25
7-0/2-0		83-1/2	23-1/2	18-3/8	20.5	2.7	5.3	7.5	2.5	3	R35
7-0/2-6		83-1/2	29-1/2	18-3/8	26.5	3.4	6.9	9.7	2.5	3	R35
7-0/3-0		83-1/2	35-1/2	18-3/8	32.5	4.2	8.4	12.0	2.5	3	R35
7-0/3-6		83-1/2	41-1/2	18-3/8	38.5	5.0	10.0	14.3	2.5	3	R30
7-0/4-0		83-1/2	47-1/2	18-3/8	44.5	5.8	11.5	16.6	2.5	3	R30
7-0/4-6		83-1/2	53-1/2	18-3/8	50.5	6.5	13.1	18.9	2.5	3	R25
7-0/5-0		83-1/2	59-1/2	18-3/8	56.5	7.3	14.6	21.2	2.5	3	R25
8-0/2-0		95-1/2	23-1/2	21-3/8	20.5	3.1	6.2	8.7	2.5	3	R35
8-0/2-6		95-1/2	29-1/2	21-3/8	26.5	4.0	8.0	11.3	2.5	3	R35
8-0/3-0		95-1/2	35-1/2	21-3/8	32.5	4.9	9.8	14.0	2.5	3	R35
8-0/3-6	E	95-1/2	41-1/2	21-3/8	38.5	5.8	11.6	16.7	2.5	3	R30
8-0/4-0	E	95-1/2	47-1/2	21-3/8	44.5	6.7	13.4	19.4	3	3	R30
8-0/4-6	E	95-1/2	53-1/2	21-3/8	50.5	7.6	15.2	22.0	3	3	R25
8-0/5-0	E	95-1/2	59-1/2	21-3/8	56.5	8.5	17.0	24.7	3	3	R25

Fixed over XO/OX Composites with Integral Mullions

Unit	Egress	Frame (Inches)		Clear Opening (Inches)			Vent Area Ft²	Visible Glass Ft²	Standard Glass Thickness (mm)		Performance Class & Grade ¹
		Width	Height	Width	Height	Ft²			Annealed	Tempered	
3-0/5-0		35-1/2	59-1/2	14-1/16	20-1/2	2.0	1.9	11.0	2.5	3	R20
4-0/5-0		47-1/2	59-1/2	20-1/16	20-1/2	2.8	2.8	15.3	2.5	3	R20
5-0/5-0		59-1/2	59-1/2	26-1/16	20-1/2	3.7	3.6	19.7	2.5	3	R20
5-0/5-0		71-1/2	59-1/2	32-1/16	20-1/2	4.5	4.4	24.0	2.5	3	R20
3-0/6-0		35-1/2	71-1/2	14-1/16	20-1/2	2.0	1.9	13.6	2.5	3	R20
4-0/6-0		47-1/2	71-1/2	20-1/16	20-1/2	2.8	2.8	18.9	2.5	3	R20
5-0/6-0		59-1/2	71-1/2	26-1/16	20-1/2	3.7	3.6	24.2	2.5	3	R20
6-0/6-0		71-1/2	71-1/2	32-1/16	20-1/2	4.5	4.4	29.5	2.5	3	R20

Fixed over XOX Composites with Integral Mullions

Unit	Egress	Frame (Inches)		Clear Opening (Inches)			Vent Area Ft²	Visible Glass Ft²	Standard Glass Thickness (mm)		Performance Class & Grade ¹
		Width	Height	Width	Height	Ft²			Annealed	Tempered	
6-0/5-0		71-1/2	59-1/2	15-3/8	20-1/2	2.2	4.4	21.9	2.5	3	R20
7-0/5-0		83-1/2	59-1/2	18-3/8	20-1/2	2.7	5.3	26.5	2.5	3	R20
8-0/5-0		95-1/2	59-1/2	21-3/8	20-1/2	3.1	6.2	31.1	3	3	R20

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.

Encompass by Pella® vinyl window products are intended only for use less than 40 feet above ground level.



East Region Only

(1) Maximum performance when glazed with the appropriate glass thickness.

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



Encompass by Pella® Sliding Window

Design Data - Florida Region

XO/OX Equal Vent 2-11/16" Frame - Florida Region Only

Unit	Egress	Frame (Inches)		Clear Opening (Inches)			Vent Area Ft²	Visible Glass Ft²	Standard Glass Thickness (mm)		Performance Class & Grade ¹
		Width	Height	Width	Height	Ft²			Annealed	Tempered	
FL-H32		25-1/2	25	9-1/2	22	1.5	1.5	2.7	2.5	3	R35
FL-H33		25-1/2	37-3/8	9-1/2	34-3/8	2.3	2.3	4.3	2.5	3	R30
FL-H34		25-1/2	49-5/8	9-1/2	46-5/8	3.1	3.1	5.9	2.5	3	R30
FL-22		36	25	14-3/4	22	2.3	2.3	4.2	2.5	3	R35
FL-23		36	37-3/8	14-3/4	34-3/8	3.5	3.5	6.7	2.5	3	R30
FL-24		36	49-5/8	14-3/4	46-5/8	4.8	4.8	9.2	2.5	3	R30
FL-32		50-1/8	25	22-13/16	22	3.3	3.3	6.2	2.5	3	R35
FL-33	E1	50-1/8	37-3/8	22-13/16	34-3/8	5.2	5.2	9.9	2.5	3	R30
FL-34	E	50-1/8	49-5/8	22-13/16	46-5/8	7.1	7.1	13.6	2.5	3	R30
FL-D22		73	25	33-1/4	22	5.1	5.1	9.4	2.5	3	R35
FL-D23	E	73	37-3/8	33-1/4	34-3/8	7.9	7.9	15.1	3	3	R30
FL-D24	E	73	49-5/8	33-1/4	46-5/8	10.8	10.8	20.8	3	3	R30

XOX 2-11/16" Frame - Florida Region Only

Unit	Egress	Frame (Inches)		Clear Opening (Inches)			Vent Area Ft²	Visible Glass Ft²	Standard Glass Thickness (mm)		Performance Class & Grade ¹
		Width	Height	Width	Height	Ft²			Annealed	Tempered	
FL-32		50-1/8	25	10 -9/16	22	1.6	3.1	4.4	2.5	3	R35
FL-33		50-1/8	37-3/8	10-9/16	34-3/8	2.5	4.9	7.0	2.5	3	R35
FL-34		50-1/8	49-5/8	10-9/16	46-5/8	3.3	6.7	9.5	2.5	3	R25
FL-D22		73	25	15-3/4	22	2.4	4.9	6.9	2.5	3	R35
FL-D23		73	37-3/8	15-3/4	34-3/8	3.8	7.6	10.9	2.5	3	R35
FL-D24		73	49-5/8	15-3/4	46-5/8	5.2	10.4	15.0	3	3	R25
FL-D32		105-3/8	25	23-7/8	22	3.7	7.4	10.4	3	3	R35
FL-D33	E1	105-3/8	37-3/8	23-7/8	34-3/8	5.8	11.5	16.6	3	3	R35
FL-D34	E	105-3/8	49-5/8	23-7/8	46-5/8	7.8	15.6	22.6	5	5	R25

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.

Encompass by Pella® vinyl window products are intended only for use less than 40 feet above ground level.

(1) Maximum performance when glazed with the appropriate glass thickness.

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



Florida Region Only



Encompass by Pella® Sliding Window

Design Data - West Region

XO/OX Equal Vent 2-11/16" Frame - West Region

Unit	Egress	Frame (Inches)		Clear Opening (Inches)			Vent Area Ft ²	Visible Glass Ft ²	Standard Glass Thickness (mm)		Performance Class & Grade ¹
		Width	Height	Width	Height	Ft ²			Annealed	Tempered	
2-0/2-0		23-1/2	23-1/2	8-1/2	20-1/2	1.2	1.2	2.3	2.5	3	R35
2-0/2-6		23-1/2	29-1/2	8-1/2	26-1/2	1.5	1.5	3.0	2.5	3	R35
2-0/3-0		23-1/2	35-1/2	8-1/2	32-1/2	1.9	1.9	3.7	2.5	3	R35
3-0/2-0		35-1/2	23-1/2	14-1/2	20-1/2	2.0	2.0	3.9	2.5	3	R35
3-0/2-6		35-1/2	29-1/2	14-1/2	26-1/2	2.6	2.6	5.1	2.5	3	R35
3-0/3-0		35-1/2	35-1/2	14-1/2	32-1/2	3.2	3.2	6.3	2.5	3	R35
3-0/3-6		35-1/2	41-1/2	14-1/2	38-1/2	3.8	3.8	7.5	2.5	3	R20
3-0/4-0		35-1/2	47-1/2	14-1/2	44-1/2	4.4	4.4	8.7	2.5	3	R20
3-0/4-6		35-1/2	53-1/2	14-1/2	50-1/2	5.0	5.0	9.9	2.5	3	R30
3-0/5-0		35-1/2	59-1/2	14-1/2	56-1/2	5.6	5.6	11.1	2.5	3	R30
4-0/2-0		47-1/2	23-1/2	20-1/16	20-1/2	2.9	2.9	5.5	2.5	3	R35
4-0/2-6		47-1/2	29-1/2	20-1/16	26-1/2	3.7	3.7	7.2	2.5	3	R35
4-0/3-0		47-1/2	35-1/2	20-1/16	32-1/2	4.6	4.6	8.9	2.5	3	R35
4-0/3-6	E1	47-1/2	41-1/2	20-1/16	38-1/2	5.4	5.4	10.6	2.5	3	R20
4-0/4-0	E	47-1/2	47-1/2	20-1/16	44-1/2	6.3	6.3	12.3	2.5	3	R20
4-0/4-6	E	47-1/2	53-1/2	20-1/16	50-1/2	7.1	7.1	14.0	2.5	3	R30
4-0/5-0	E	47-1/2	59-1/2	20-1/16	56-1/2	8.0	8.0	15.7	2.5	3	R30
5-0/2-0		59-1/2	23-1/2	26-1/16	20-1/2	3.8	3.8	7.1	2.5	3	R35
5-0/2-6		59-1/2	29-1/2	26-1/16	26-1/2	4.9	4.9	9.3	2.5	3	R35
5-0/3-0	E	59-1/2	35-1/2	26-1/16	32-1/2	6.0	6.0	11.5	2.5	3	R35
5-0/3-6	E	59-1/2	41-1/2	26-1/16	38-1/2	7.1	7.1	13.7	2.5	3	R20
5-0/4-0	E	59-1/2	47-1/2	26-1/16	44-1/2	8.2	8.2	15.9	2.5	3	R20
5-0/4-6	E	59-1/2	53-1/2	26-1/16	50-1/2	9.2	9.2	18.1	2.5	3	R30
5-0/5-0	E	59-1/2	59-1/2	26-1/16	56-1/2	10.3	10.3	20.4	2.5	3	R30
6-0/2-0		71-1/2	23-1/2	32-1/16	20-1/2	4.6	4.6	8.7	2.5	3	R35
6-0/2-6	E	71-1/2	29-1/2	32-1/16	26-1/2	6.0	6.0	11.4	2.5	3	R35
6-0/3-0	E	71-1/2	35-1/2	32-1/16	32-1/2	7.3	7.3	14.1	2.5	3	R35
6-0/3-6	E	71-1/2	41-1/2	32-1/16	38-1/2	8.7	8.7	16.8	2.5	3	R20
6-0/4-0	E	71-1/2	47-1/2	32-1/16	44-1/2	10.0	10.0	19.5	2.5	3	R20
6-0/4-6	E	71-1/2	53-1/2	32-1/16	50-1/2	11.4	11.4	22.3	2.5	3	R30
6-0/5-0	E	71-1/2	59-1/2	32-1/16	56-1/2	12.7	12.7	25.0	3	3	R30

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.

Encompass by Pella® vinyl window products are intended only for use less than 40 feet above ground level.

(1) Maximum performance when glazed with the appropriate glass thickness.

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



West Region Only



Encompass by Pella® Sliding Window

Design Data - West Region

XOX 2-11/16" Frame - West Region

Unit	Egress	Frame (Inches)		Clear Opening (Inches)			Vent Area Ft²	Visible Glass Ft²	Standard Glass Thickness (mm)		Performance Class & Grade ⁽¹⁾
		Width	Height	Width	Height	Ft²			Annealed	Tempered	
6-0/2-0		71-1/2	23-1/2	15-9/16	20-1/2	2.2	4.4	6.2	2.5	3	R20
6-0/2-6		71-1/2	29-1/2	15-9/16	26-1/2	2.9	5.8	8.2	2.5	3	R20
6-0/3-0		71-1/2	35-1/2	15-9/16	32-1/2	3.5	7.1	10.1	2.5	3	R20
6-0/3-6		71-1/2	41-1/2	15-9/16	38-1/2	4.2	8.4	12.0	2.5	3	R20
6-0/4-0		71-1/2	47-1/2	15-9/16	44-1/2	4.8	9.7	13.9	2.5	3	R20
6-0/4-6		71-1/2	53-1/2	15-9/16	50-1/2	5.5	11.0	15.8	2.5	3	R30
6-0/5-0		71-1/2	59-1/2	15-9/16	56-1/2	6.1	12.3	17.8	2.5	3	R30
7-0/2-0		83-1/2	23-1/2	18-9/16	20-1/2	2.7	5.3	7.5	2.5	3	R20
7-0/2-6		83-1/2	29-1/2	18-9/16	26-1/2	3.4	6.9	9.7	2.5	3	R20
7-0/3-0		83-1/2	35-1/2	18-9/16	32-1/2	4.2	8.4	12.0	2.5	3	R20
7-0/3-6		83-1/2	41-1/2	18-9/16	38-1/2	5.0	10.0	14.3	2.5	3	R20
7-0/4-0		83-1/2	47-1/2	18-9/16	44-1/2	5.8	11.5	16.6	2.5	3	R20
7-0/4-6		83-1/2	53-1/2	18-9/16	50-1/2	6.5	13.1	18.9	2.5	3	R30
7-0/5-0		83-1/2	59-1/2	18-9/16	56-1/2	7.3	14.6	21.2	2.5	3	R30
8-0/2-0		95-1/2	23-1/2	21-9/16	20-1/2	3.1	6.2	8.7	2.5	3	R20
8-0/2-6		95-1/2	29-1/2	21-9/16	26-1/2	4.0	8.0	11.3	2.5	3	R20
8-0/3-0		95-1/2	35-1/2	21-9/16	32-1/2	4.9	9.8	14.0	2.5	3	R20
8-0/3-6	E	95-1/2	41-1/2	21-9/16	38-1/2	5.8	11.6	16.7	2.5	3	R20
8-0/4-0	E	95-1/2	47-1/2	21-9/16	44-1/2	6.7	13.4	19.4	3	3	R20
8-0/4-6	E	95-1/2	53-1/2	21-9/16	50-1/2	7.6	15.2	22.0	3	3	R30
8-0/5-0	E	95-1/2	59-1/2	21-9/16	56-1/2	8.5	17.0	24.7	3	3	R30

Fixed over XO/OX Composites with Integral Mullions

Unit	Egress	Frame (Inches)		Clear Opening (Inches)			Vent Area Ft²	Visible Glass Ft²	Standard Glass Thickness (mm)		Performance Class & Grade ⁽¹⁾
		Width	Height	Width	Height	Ft²			Annealed	Tempered	
3-0/5-0		35--1/2	59-1/2	14-1/16	20-1/2	2.0	2.0	11.0	2.5	3	R15
4-0/5-0		47-1/2	59-1/2	20-1/16	20-1/2	2.9	2.9	15.3	2.5	3	R15
5-0/5-0		59-1/2	59-1/2	26-1/16	20-1/2	3.7	3.7	19.7	2.5	3	R15
6-0/5-0		71-1/2	59-1/2	32-1/16	20-1/2	4.6	4.6	24.0	2.5	3	R15
3-0/6-0		35-1/2	71-1/2	14-1/16	20-1/2	2.0	2.0	13.6	2.5	3	R15
4-0/6-0		47-1/2	71-1/2	20-1/16	20-1/2	2.9	2.9	18.9	2.5	3	R15
5-0/6-0		59-1/2	71-1/2	26-1/16	20-1/2	3.7	3.7	24.2	2.5	3	R15
6-0/6-0		71-1/2	71-1/2	32-1/16	20-1/2	4.6	4.6	29.5	2.5	3	R15

Fixed over XOX Composites with Integral Mullions

Unit	Egress	Frame (Inches)		Clear Opening (Inches)			Vent Area Ft²	Visible Glass Ft²	Standard Glass Thickness (mm)		Performance Class & Grade ⁽¹⁾
		Width	Height	Width	Height	Ft²			Annealed	Tempered	
6-0/5-0		71-1/2	59-1/2	16-1/16	20-1/2	2.2	2.3	21.8	2.5	3	R15
7-0/5-0		83-1/2	59-1/2	19-1/16	20-1/2	2.7	2.7	26.1	2.5	3	R15
8-0/5-0		95-1/2	59-1/2	22-1/16	20-1/2	3.1	3.1	30.4	2.5	3	R15

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.

Encompass by Pella® vinyl window products are intended only for use less than 40 feet above ground level.



West Region Only

(1) Maximum performance when glazed with the appropriate glass thickness.

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



Encompass by Pella® Sliding Window

Detailed Product Description

Frame

- Overall frame depth is [2-11/16" [new construction frame with integral nailing fin [and J-channel]] [replacement frame [with integral flush flange (Florida region only)]]].
- Frame members are extruded, rigid uPVC [with optional foam insulation₁].
- Frame members are mitered and heat-fused to provide a fully welded corner assembly.

Sash

- Sash members are extruded, rigid uPVC [with optional foam insulation₁].
- Sash members are mitered and heat-fused to provide a fully welded corner assembly.

Weatherstripping

- Fin-type pile around the perimeter of the vent sash.

Glazing System₂

- Quality float glass complying with ASTM C 1036.
- Exterior face-glazed 3/4" sealed insulating glass.
- [[Clear] [Advanced] [SunDefense™] [SunDefense+] [NaturalSun] [NaturalSun+] [Advanced Comfort (West region only)]; [Clear] [NaturalSun Low-E] [Obscure (East region only)] [Standard Obscure [Fern (West region only)] [Rain] [Tempered] [High altitude [with argon] (West region only)]]].

Interior / Exterior

- All window frame members are an integral color extruded throughout the profiles.
- All exposed PVC surfaces are smooth, glossy and uniform in appearance.
- East Region Finish color [White] [Almond] [Fossil] (all frame types); West Region Finish color [White (all frame types)] [[Almond] [Fossil] (Nail Fin frame only)].

Hardware

- Lock is factory-installed zinc die cast, self-aligning, cam-action lock located on the meeting rail factory pre-finished to match unit.
- Vent unit sash is equipped with two nylon roller housings containing two nylon rollers each.
- One sash lock is installed on all units.

Optional Products

- Factory applied primed wood jamb extension for [4-9/16"] [6-9/16"] wall depth, for 2-11/16" fin frame East region units only.

Grilles

- Grilles-Between-the-Glass
 - Insulating glass contains [3/4" contoured (East or West)] [5/8" flat (West only)] aluminum grilles permanently installed between two panes of glass.
 - Grilles match color of interior and exterior frame.

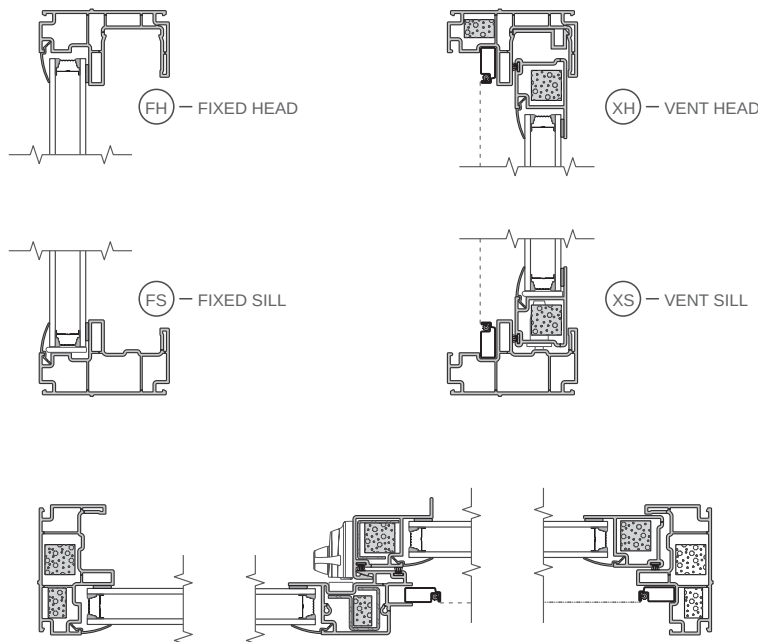
Hardware

- Optional limited opening device available for field installation for all venting units; nominal 3" opening. Off-white rubber bumper to be installed at the head of the venting unit.
- Optional window opening control device available for field installation. 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 F2090-10.

Screens

- Half-size with black vinyl coated 18/14 mesh fiberglass screen cloth complying with L-S-125B and ANSI SMA 1004.
- Set in aluminum frame and fitted to exterior of window.

Foam Insulation Inserts₁



East and West Regions

(1) Foam insulation inserts are not available with clear glazing.

(2) SunDefense+ and NaturalSun+ are only available with argon fill, and are not available for obscure glass.

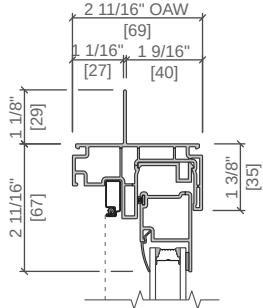


Encompass by Pella® Sliding Window

Unit Sections - Frame Types

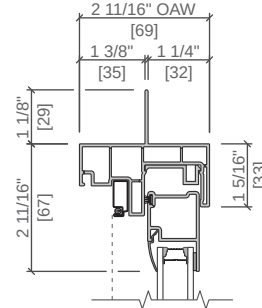
EAST REGION - NEW CONSTRUCTION FRAME

Standard Nail Fin

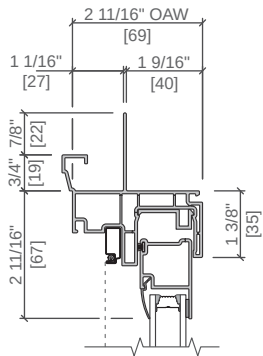


WEST REGION - NEW CONSTRUCTION FRAME

Standard Nail Fin

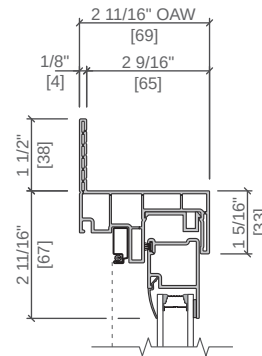


Standard Nail Fin with J-Channel

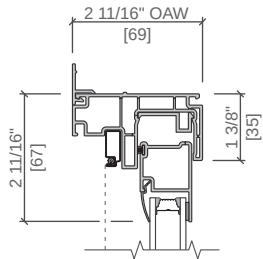


WEST REGION - REPLACEMENT FRAME

Flush Flange

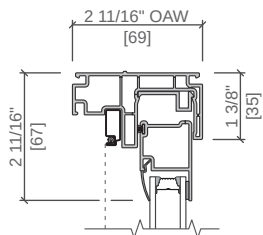


5/8\" Flush Flange - Florida Region Only

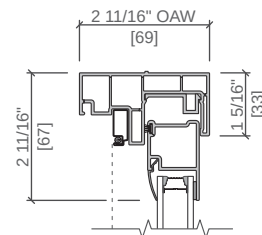


EAST REGION - REPLACEMENT FRAME

Standard Block Frame



Standard Block Frame



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

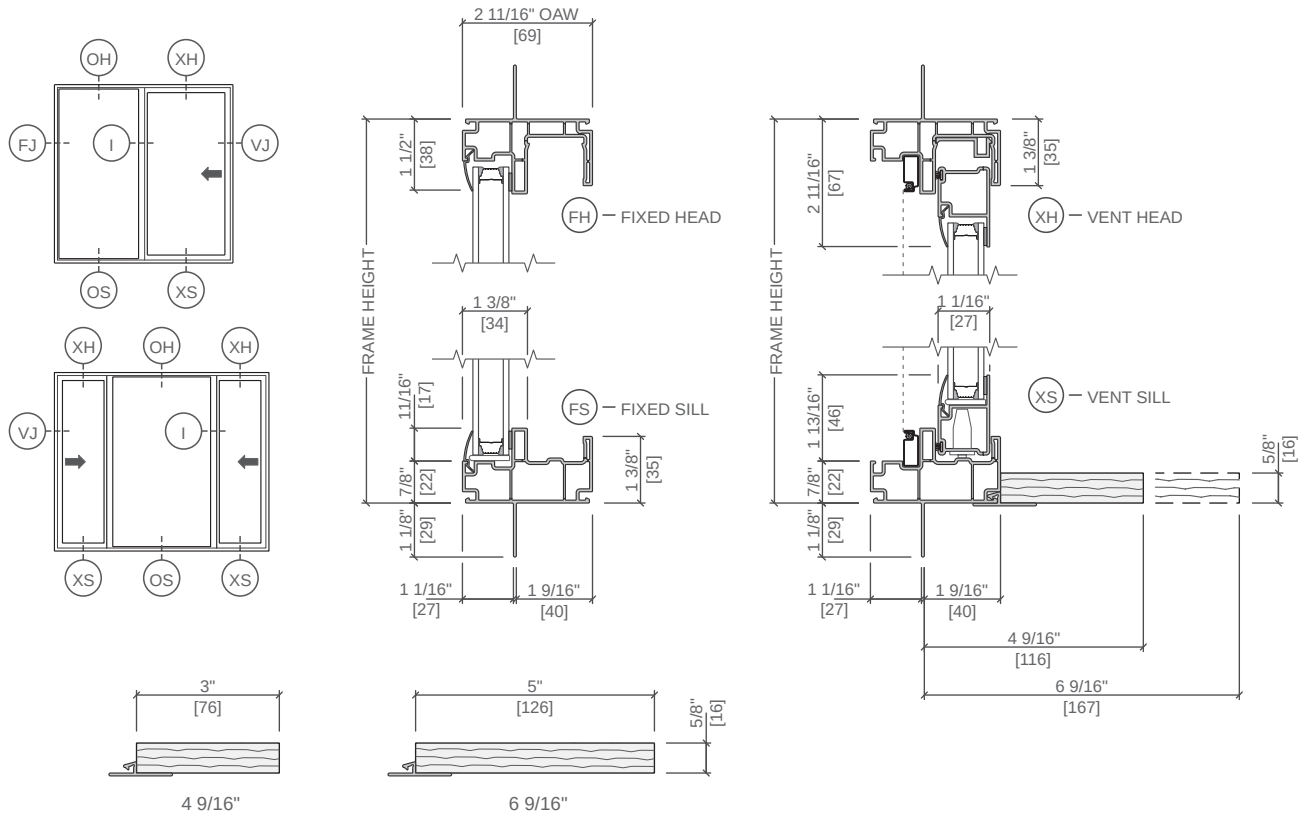


East and West Regions



Encompass by Pella® Sliding Window

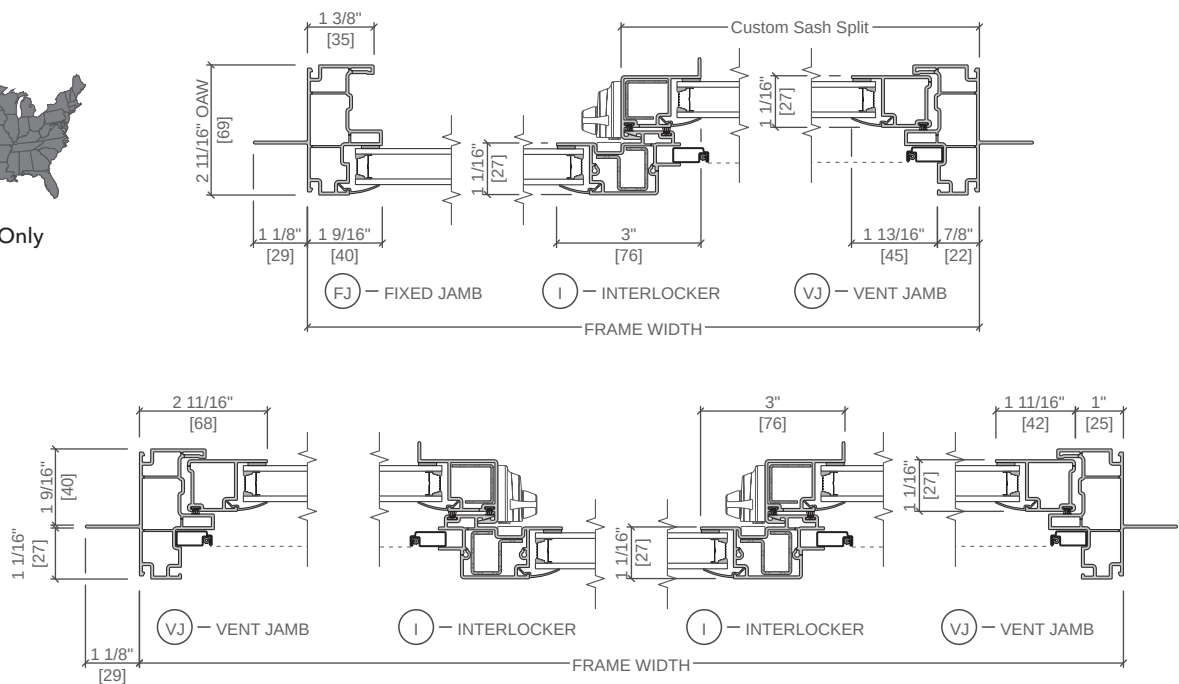
Unit Sections - New Construction Frame East Region



Optional Factory Applied Wood Jamb Extensions



East Region Only



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

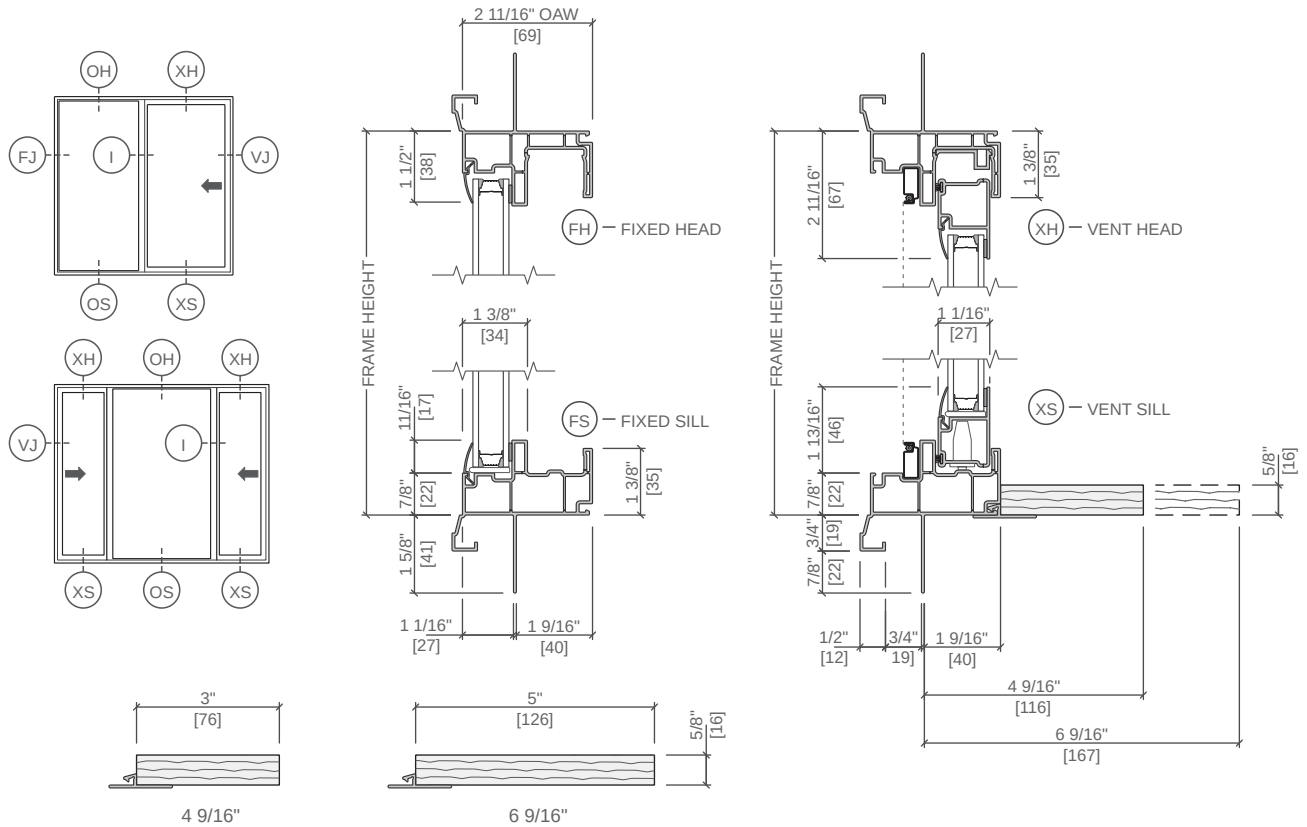


V-SW-23



Encompass by Pella® Sliding Window

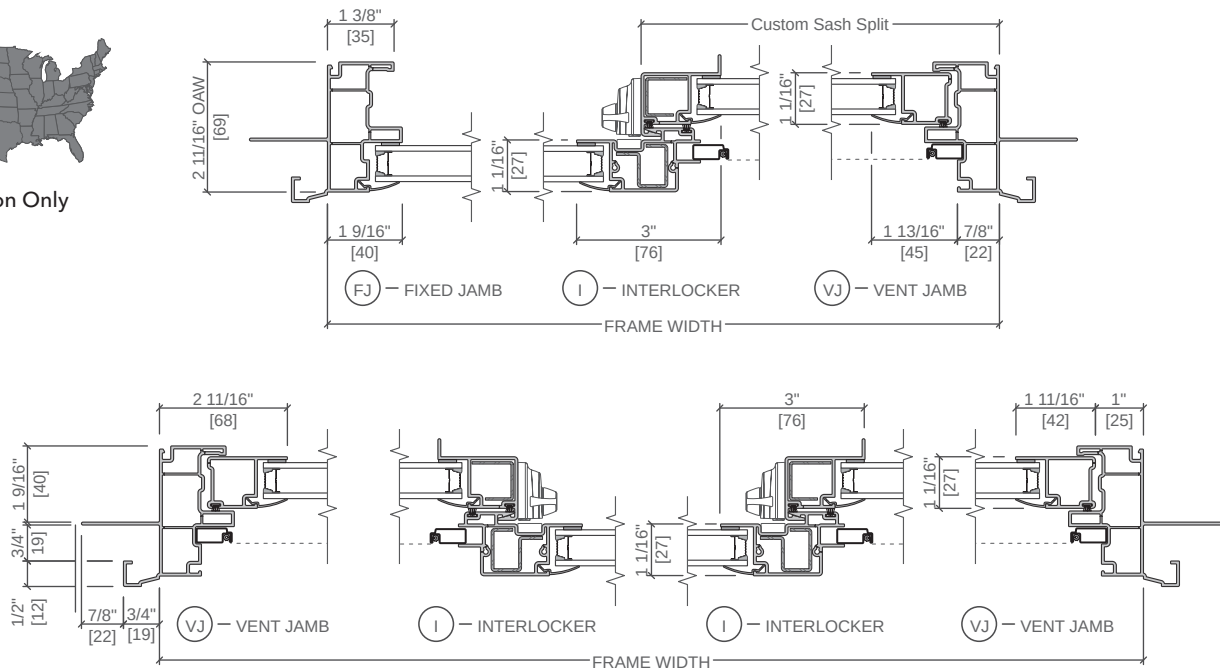
Unit Sections - New Construction Frame with J-Channel East Region



Optional Factory Applied Wood Jamb Extensions



East Region Only



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

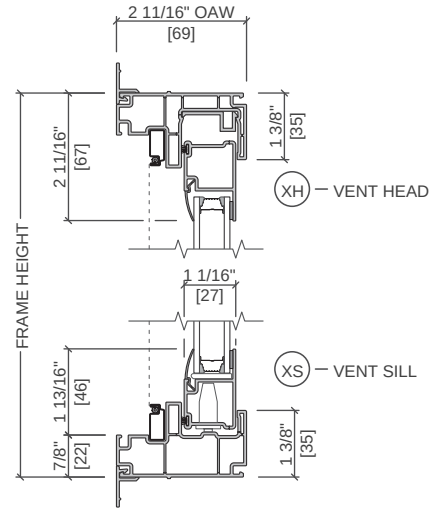
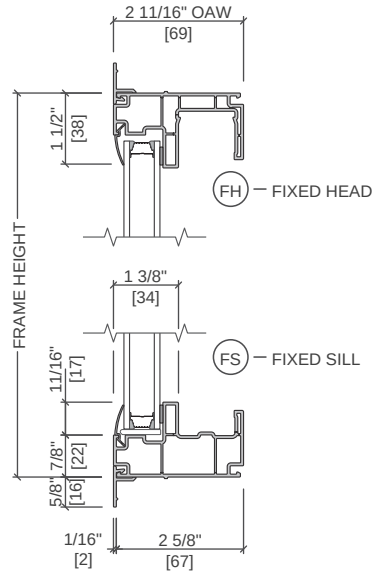
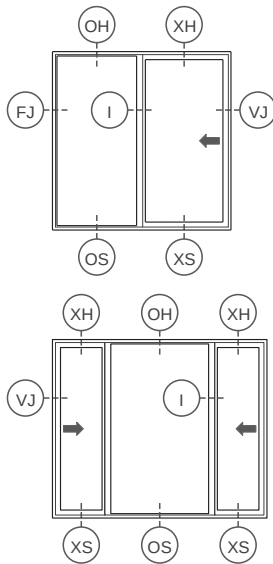


V-SW-25

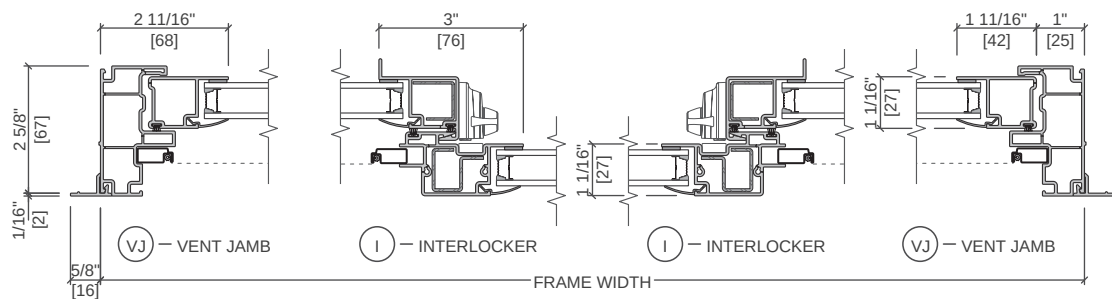
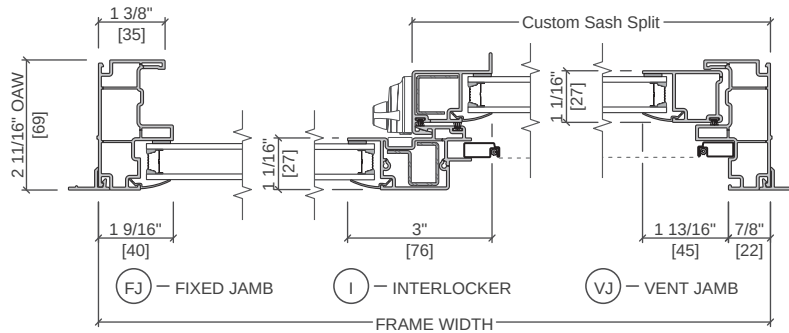


Encompass by Pella® Sliding Window

Unit Sections - Flange Frame Florida Region



Florida Region Only

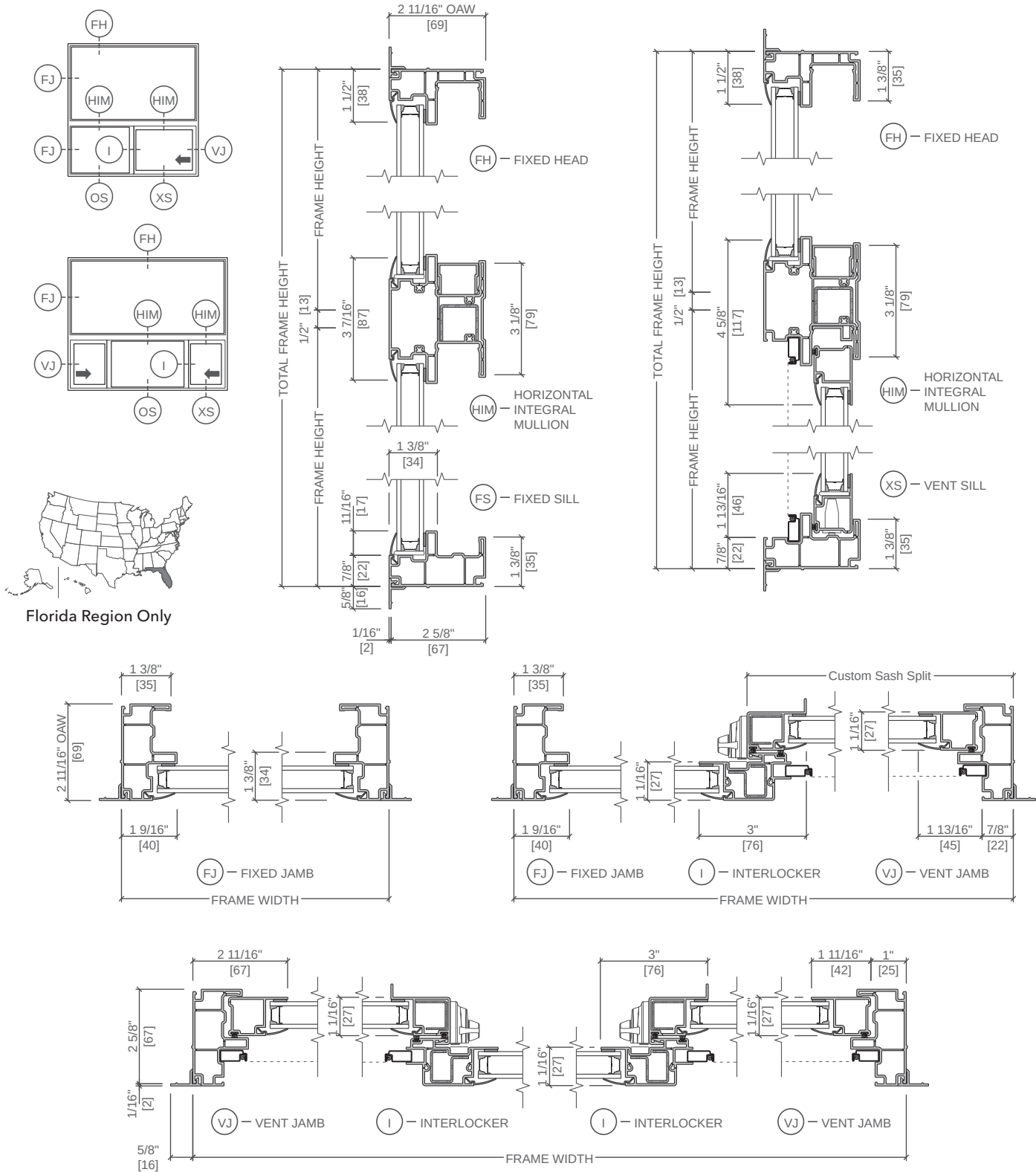


Scale 3" = 1' 0"
All dimensions are approximate.



Encompass by Pella® Sliding Window

Unit Sections - Flange Frame Florida Region

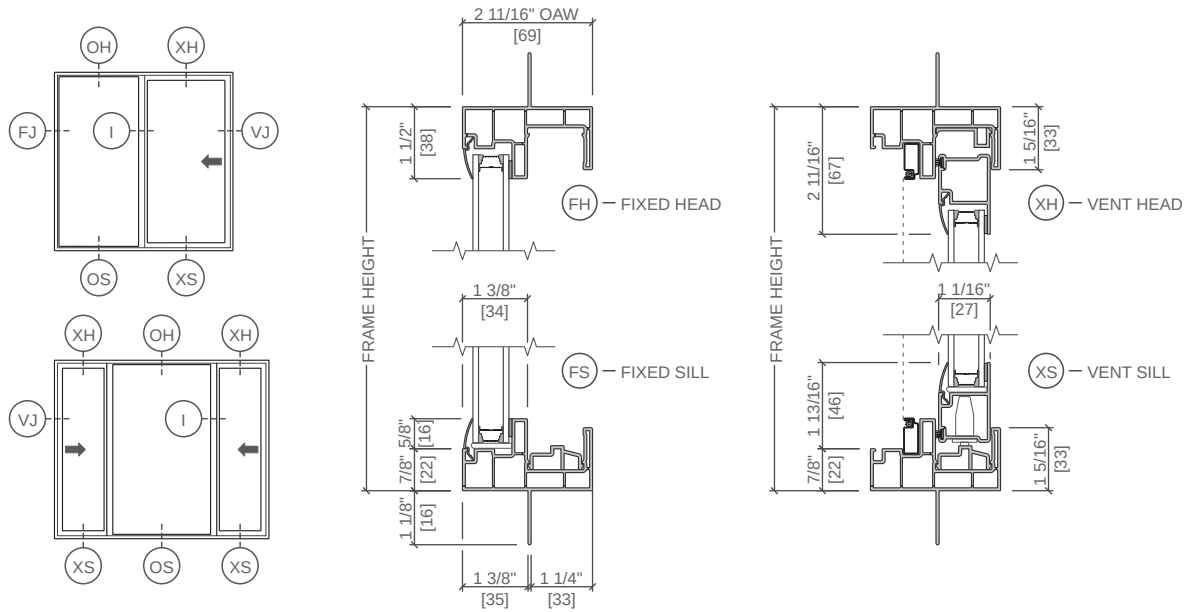


Scale 3" = 1' 0"
All dimensions are approximate.

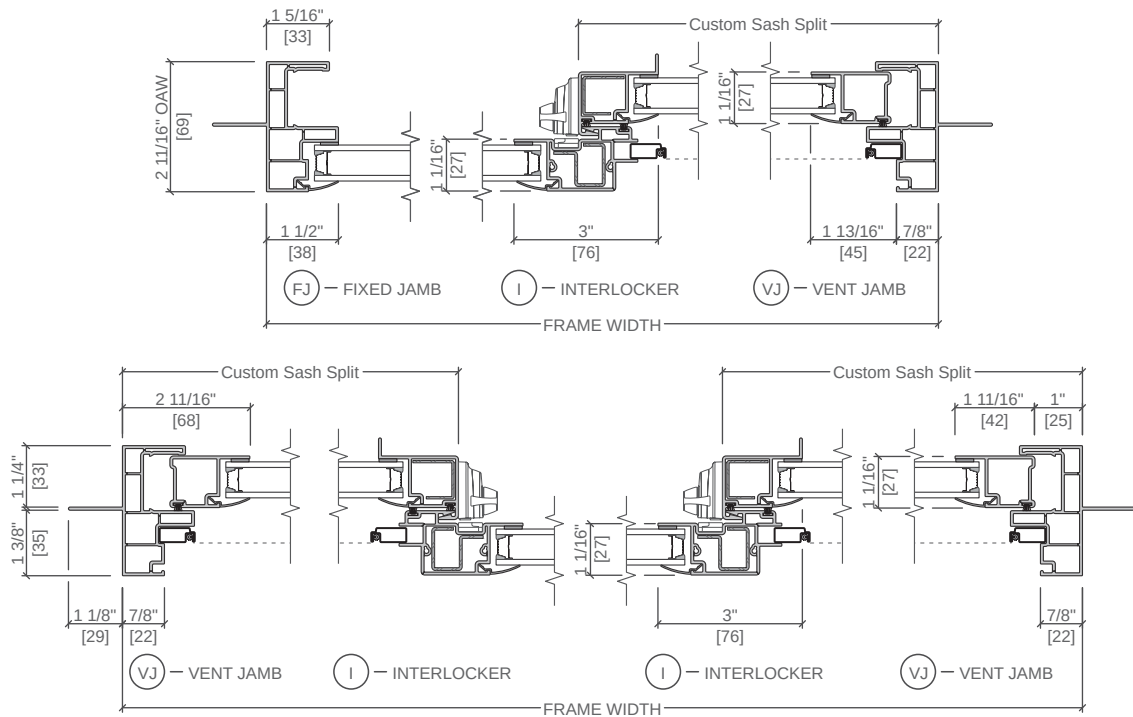


Encompass by Pella® Sliding Window

Unit Sections - New Construction Frame West Region



West Region Only

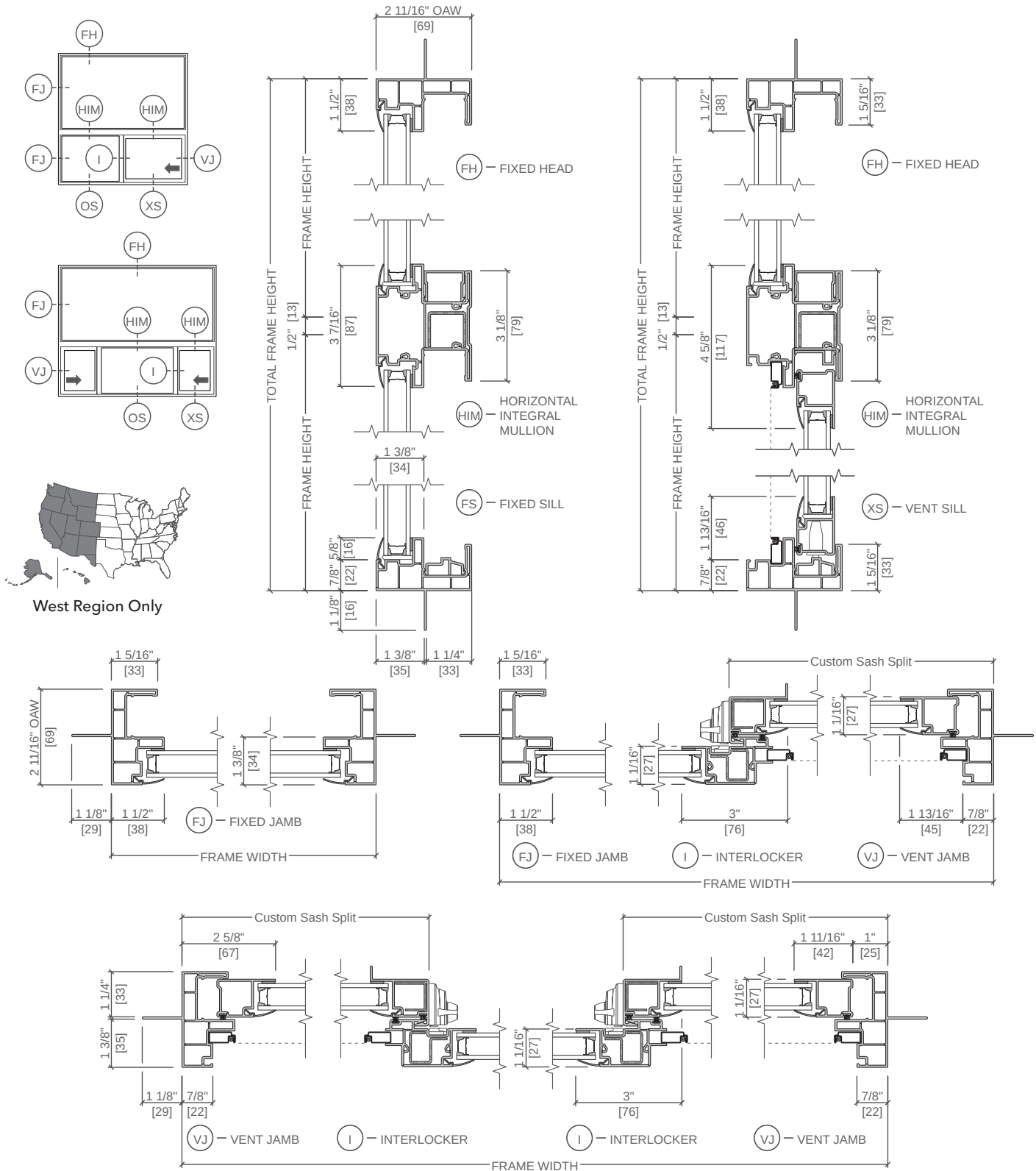


Scale 3" = 1' 0"
All dimensions are approximate.



Encompass by Pella® Sliding Window

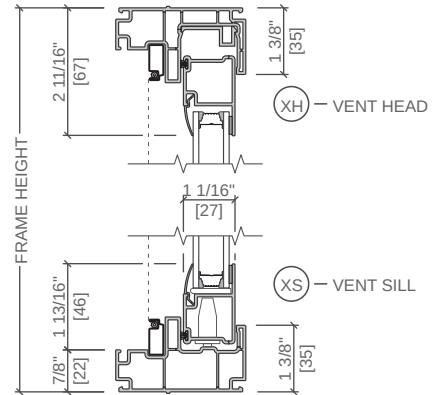
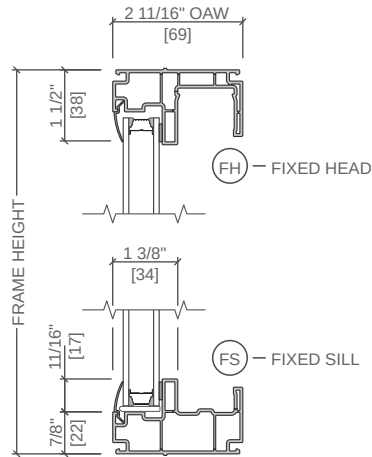
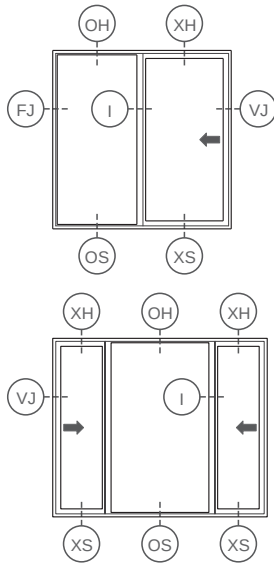
Unit Sections - New Construction Frame West Region



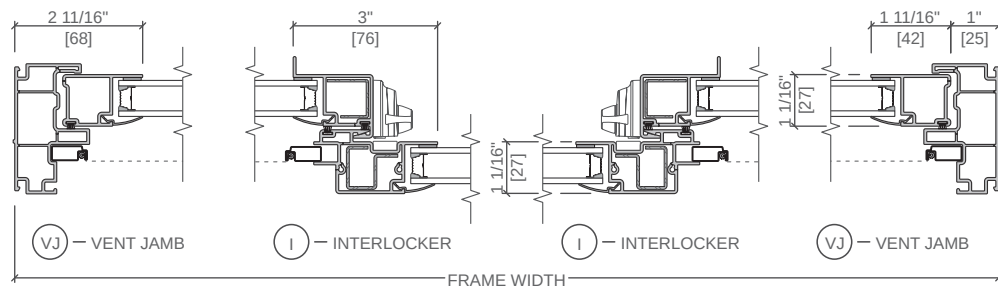
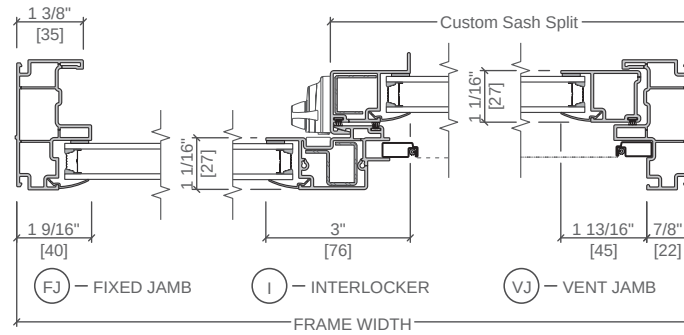


Encompass by Pella® Sliding Window

Unit Sections - Replacement Frame East Region



East Region Only

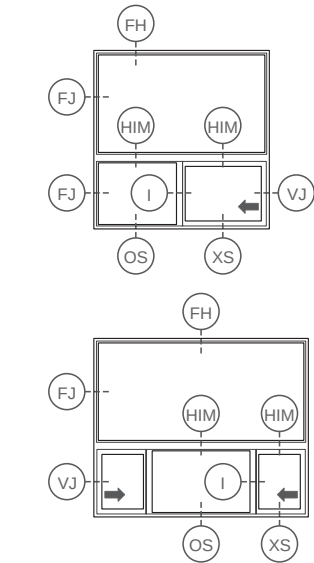


Scale 3" = 1' 0"
All dimensions are approximate.

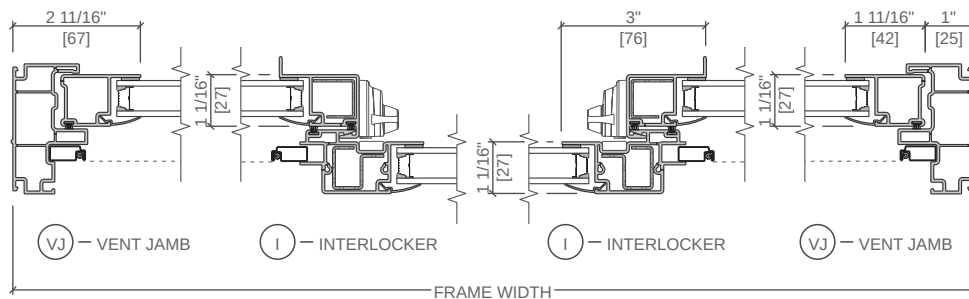
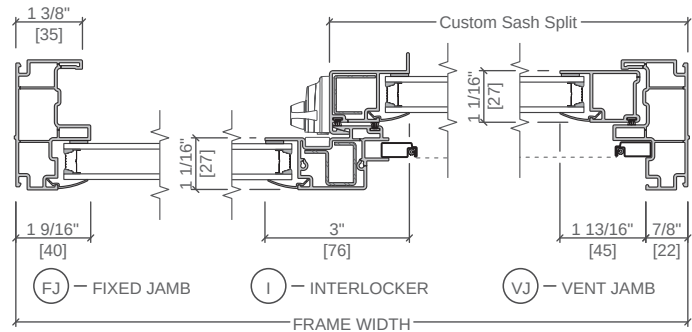
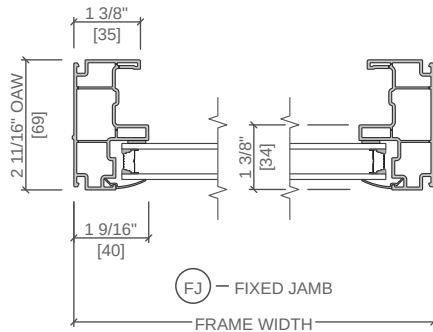
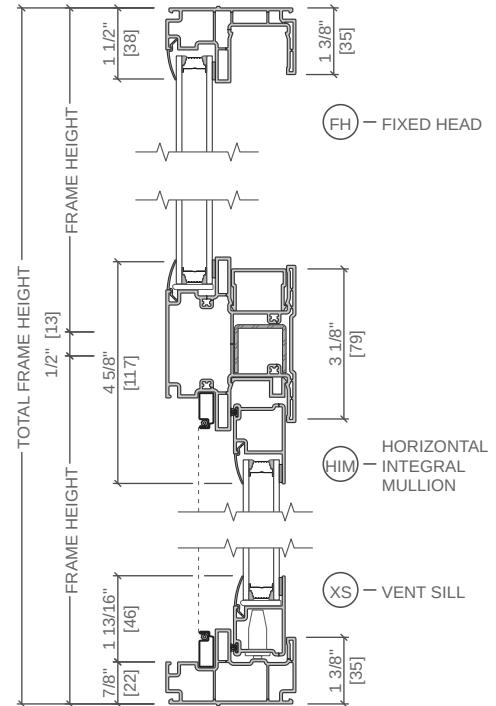
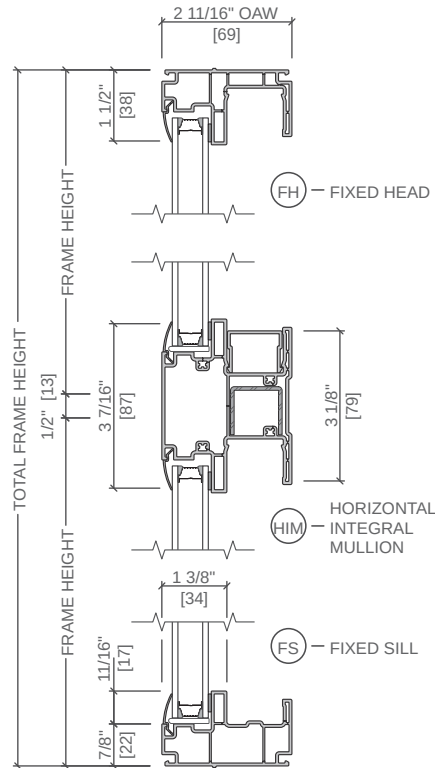


Encompass by Pella® Sliding Window

Unit Sections - Replacement Frame East Region



East Region Only

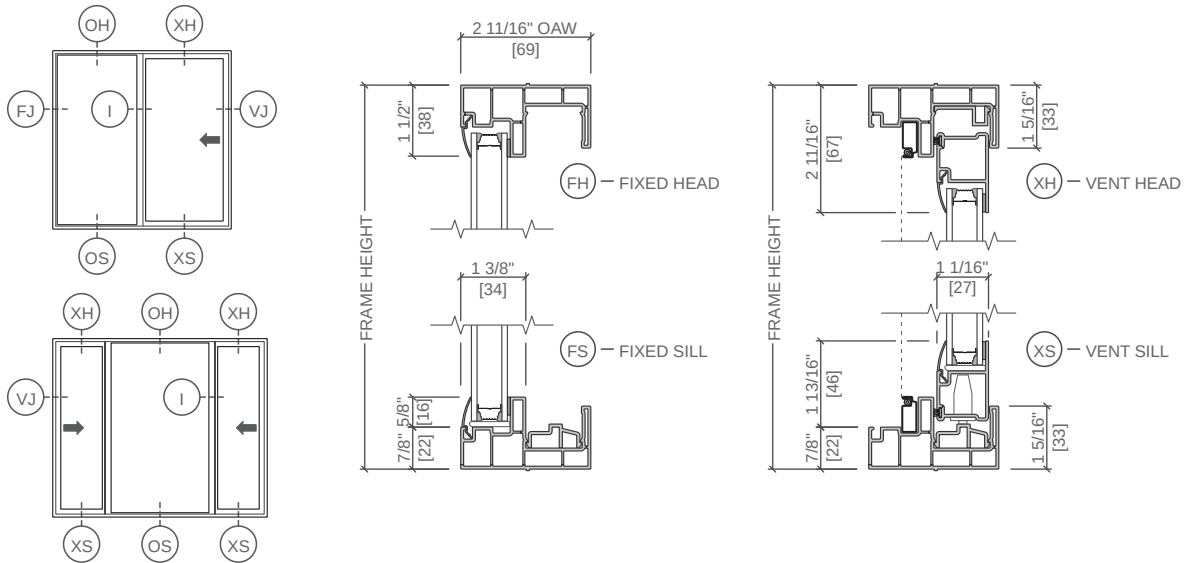


Scale 3" = 1' 0"
All dimensions are approximate.

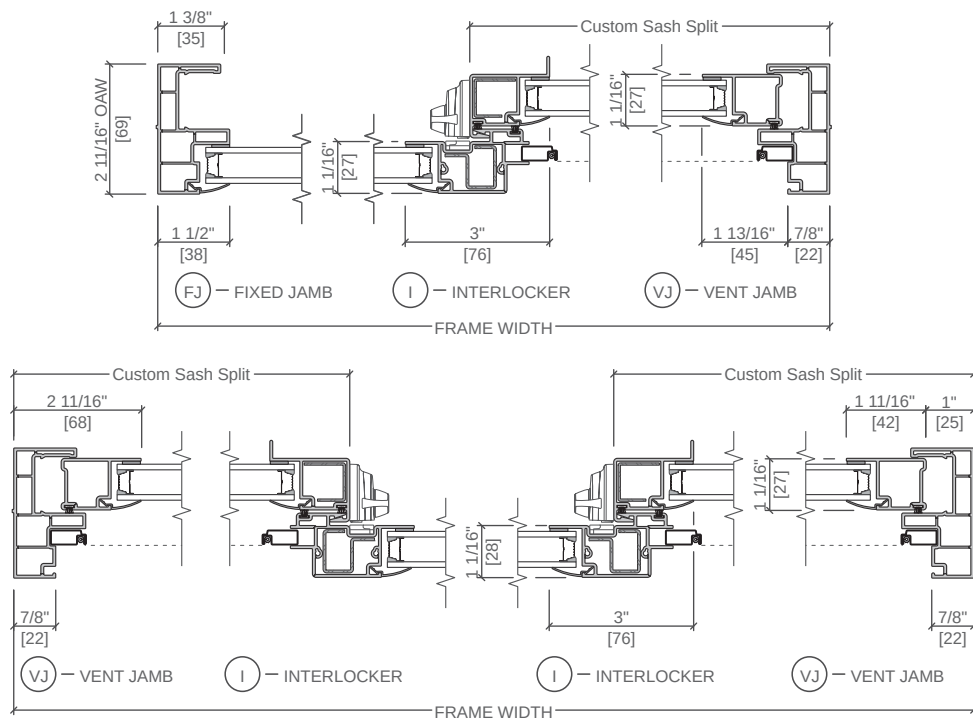


Encompass by Pella® Sliding Window

Unit Sections - Replacement Frame West Region



West Region Only

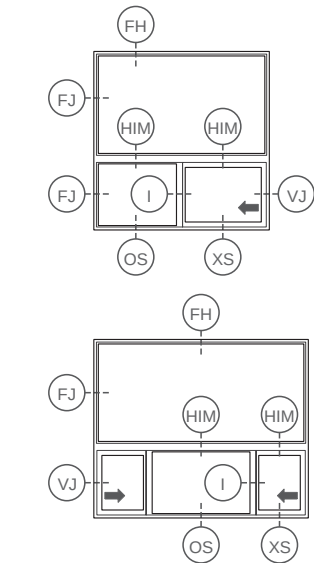


Scale 3" = 1' 0"
All dimensions are approximate.

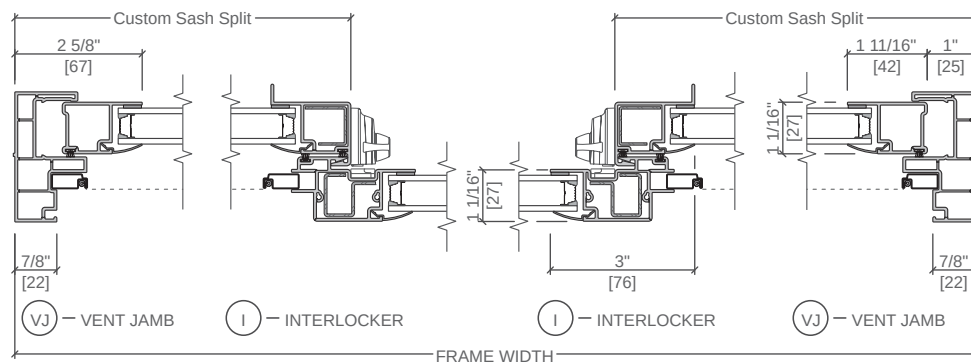
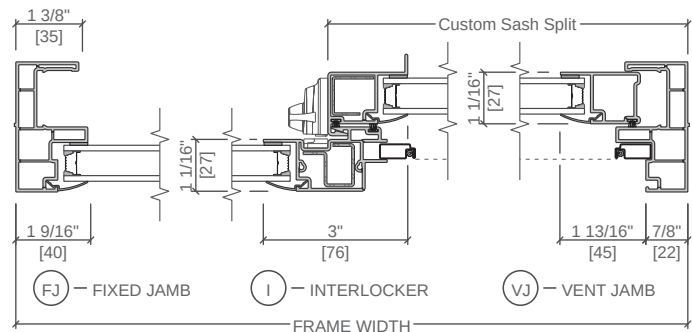
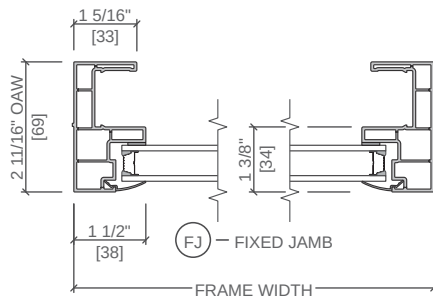
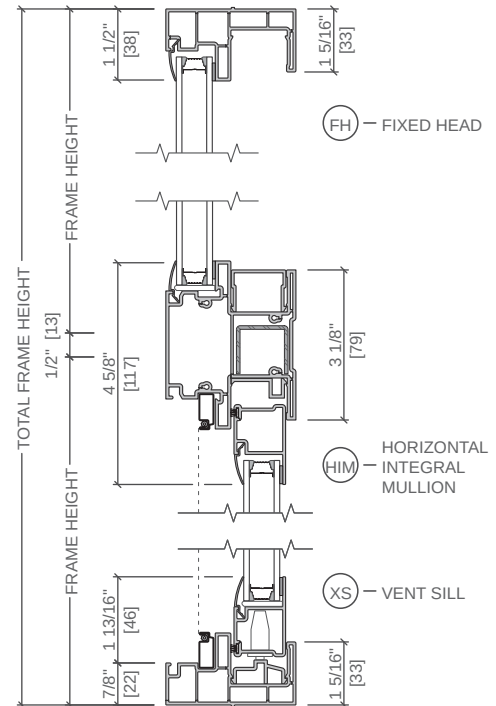
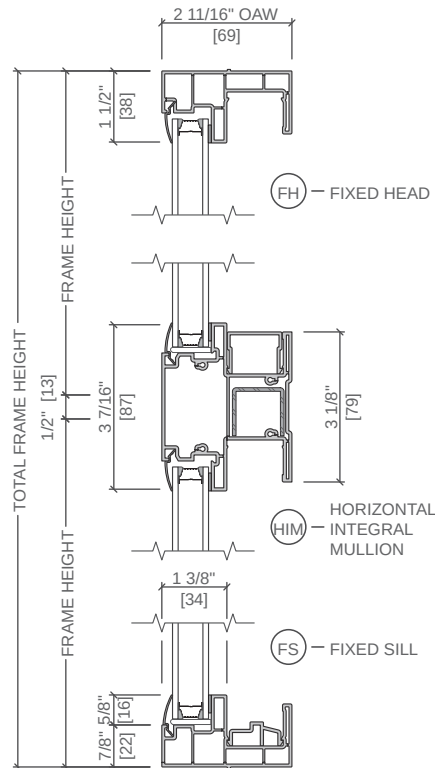


Encompass by Pella® Sliding Window

Unit Sections - Replacement Frame West Region



West Region Only

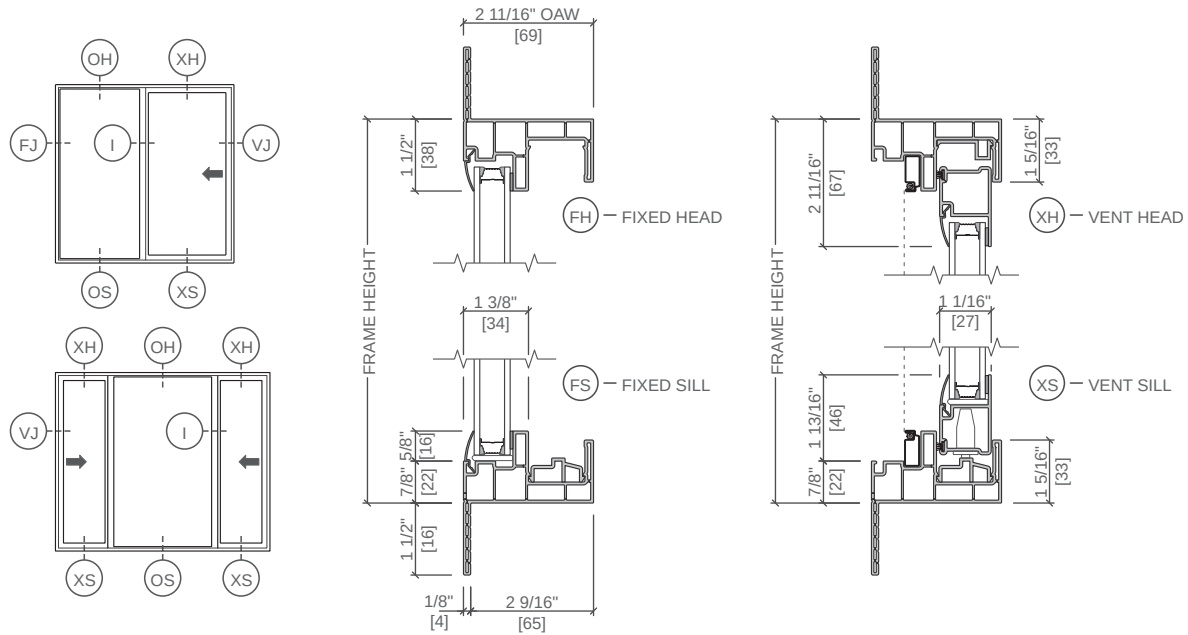


Scale 3" = 1' 0"
All dimensions are approximate.

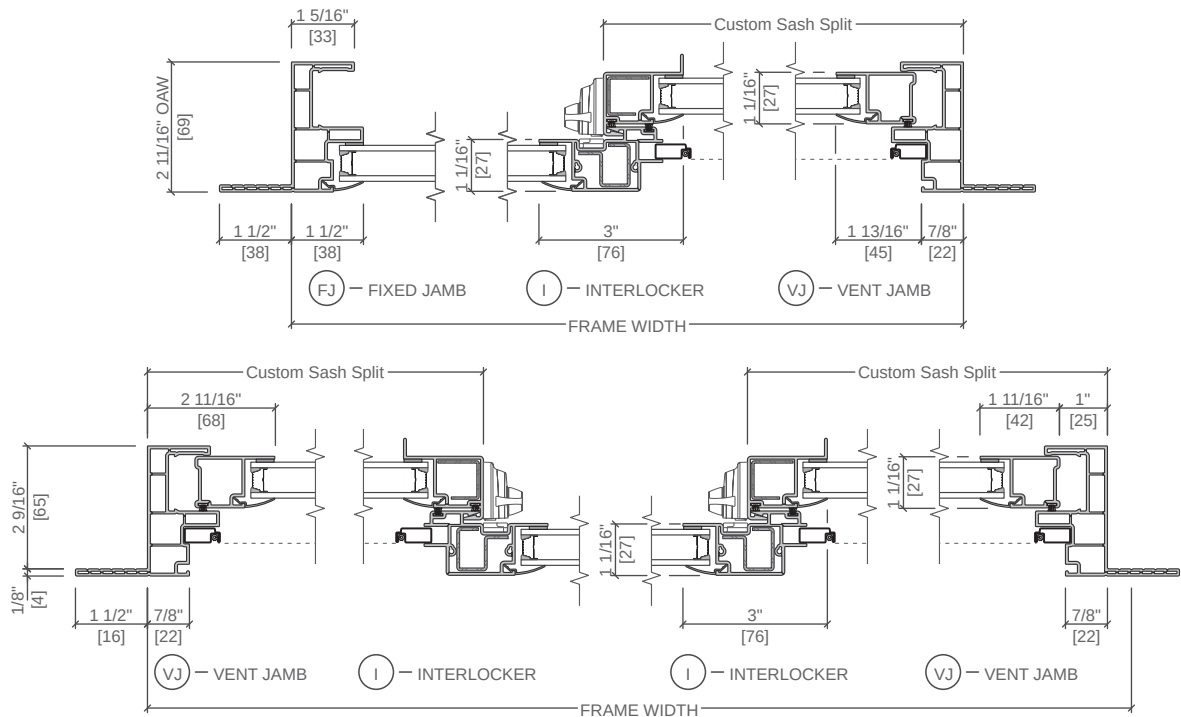


Encompass by Pella® Sliding Window

Unit Sections - Flush Flange Frame West Region



West Region Only

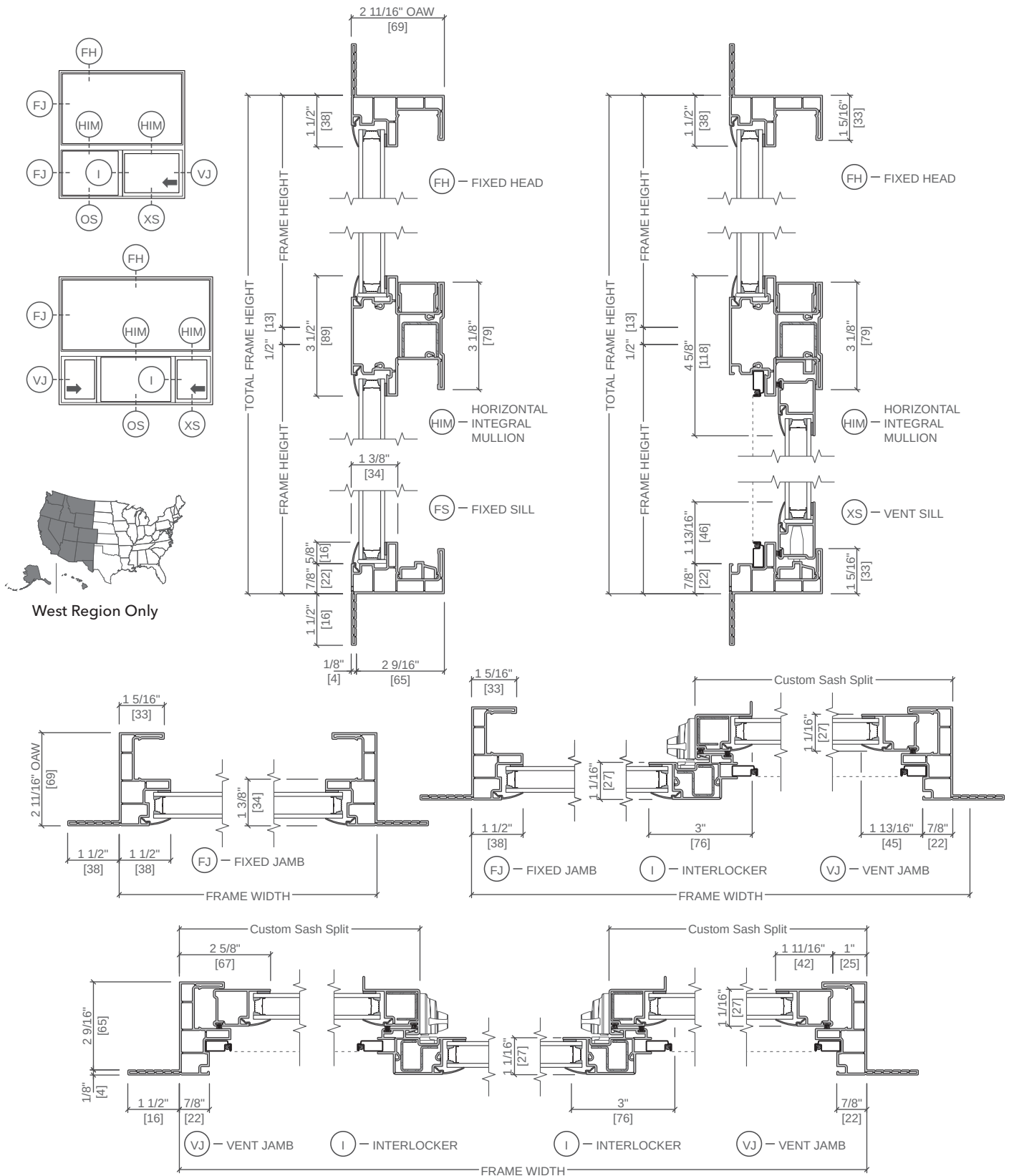


Scale 3" = 1' 0"
All dimensions are approximate.



Encompass by Pella® Sliding Window

Unit Sections - Flush Flange Frame West Region



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