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Supporting documents for this product:

Test Reports

[https://media.pella.com/professional/adm/CertificationReports/Test\\_Reports\\_Vinyl-TS.pdf?utm\\_source=pdfdoc](https://media.pella.com/professional/adm/CertificationReports/Test_Reports_Vinyl-TS.pdf?utm_source=pdfdoc)

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

[https://media.pella.com/professional/adm/Vinyl-CSI\\_Specs/08562\\_FW-EE.rtf?utm\\_source=pdfdoc](https://media.pella.com/professional/adm/Vinyl-CSI_Specs/08562_FW-EE.rtf?utm_source=pdfdoc)

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

[https://media.pella.com/professional/adm/Vinyl/V\\_FXFrft?utm\\_source=pdfdoc](https://media.pella.com/professional/adm/Vinyl/V_FXFrft?utm_source=pdfdoc)

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

[https://media.pella.com/professional/adm/Vinyl/VFXW-Elev\\_D.dwg?utm\\_source=pdfdoc](https://media.pella.com/professional/adm/Vinyl/VFXW-Elev_D.dwg?utm_source=pdfdoc)

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

[https://media.pella.com/professional/adm/Vinyl/VFXW-Detail\\_D.dwg?utm\\_source=pdfdoc](https://media.pella.com/professional/adm/Vinyl/VFXW-Detail_D.dwg?utm_source=pdfdoc)

Combination Recommendations:

[https://media.pella.com/professional/adm/Vinyl/ENC\\_CombRec.pdf?utm\\_source=pdfdoc](https://media.pella.com/professional/adm/Vinyl/ENC_CombRec.pdf?utm_source=pdfdoc)

Installation Details:

[https://media.pella.com/professional/adm/Vinyl/ENC\\_InstallDetails.pdf?utm\\_source=pdfdoc](https://media.pella.com/professional/adm/Vinyl/ENC_InstallDetails.pdf?utm_source=pdfdoc)

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

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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.



# Encompass by Pella® Fixed Frame Window

## Size and Performance Data

### East Region Only

	2-11/16" New Construction Frame		Replacement Frame	3-1/4" New Construction Frame
	Flange Frame	Standard Frame		
<b>Size</b>				
Standard sizes	●	●	●	●
Special sizes available built on 1/8" increments	●	●	●	●
<b>Frame</b>				
Nail Fin for 2-11/16" frame depth	—	●	—	—
Nail Fin for 2-1/8" frame depth	—	—	—	●
Nail Fin with J-Channel for 2-11/16" frame depth	—	●	—	—
Replacement Frame with 2-11/16" frame depth	—	—	●	—
Replacement Frame with 3-1/4" frame depth	—	—	●	—
Flush Flange for 2-5/8" wall depth (Florida Only)	●	—	—	—
Interior primed wood jamb extensions	—	●	—	●
<b>Performance <sup>1</sup></b>				
Meets or Exceeds AAMA/WDMA Ratings	FW-R25 – 50	FW-R25 – R50	FW-R25–R45	FW-R25–R35
Air Infiltration (cfm/ft <sup>2</sup> of frame @ 1.57 psf wind pressure)	0.01	0.01	0.01	0.01
Design Pressure	25-50 psf	25–50 psf	25–50 psf	25–40 psf
Water Penetration Resistance	7.5 psf	7.5 psf	7.5 psf	6.0 psf

### West Region Only

	New Construction Frame	Replacement Frame
<b>Sizes</b>		
Standard sizes	●	—
Special sizes available built on 1/8" increments	●	●
<b>Frames</b>		
Nail Fin for 2-11/16" frame depth	●	—
Replacement Block Frame with 2-11/16" frame depth	—	●
Flush Flange for 2-11/16" frame depth	—	●
<b>Performance <sup>1</sup></b>		
Meets or Exceeds AAMA/NWWDA101/I.S.2 Ratings	FW-R25–30	FW-R25–30
Air Infiltration (cfm/ft <sup>2</sup> of frame @ 1.57 psf wind pressure)	0.01	0.01
Design Pressure	25-30 psf	25-30 psf
Water Penetration Resistance	5.25 psf	5.25 psf

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

(—) = 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.



East and West Regions



# Encompass by Pella® Fixed Frame Window

## Sound Transmission Class - Outdoor-Indoor Transmission Class

Frame Type	Frame Size Tested <sup>1</sup>	Glazing System			STC Rating	OITC Rating
		Overall Glazing Thickness	Exterior Glass Thickness	Interior Glass Thickness		
<b>East</b>						
<b>2-11/16" New Construction Frame Fixed - (Single-Hung)</b>						
2-11/16" Frame Depth Fin Install Fixed Window to match Single-Hung and Sliding Window - Dual Pane Insulating Glass	48" x 48"	3/4"	3 mm	3 mm	25	21
<b>2-11/16" Replacement Frame Fixed</b>						
2-11/16" Frame Depth Replacement Fixed Window to match Single-Hung and Sliding Window - Dual Pane Insulating Glass	48" x 48"	3/4"	3 mm	3 mm	25	21
<b>3-1/4" Replacement Frame Fixed</b>						
3-1/4" Frame Depth Replacement Fixed Window to match Double-Hung Window - Dual Pane Insulating Glass	48" x 48"	3/4"	3 mm	3 mm	25	21
<b>3-1/4" New Construction Frame Fixed - (Double-Hung)</b>						
3-1/4" Frame Depth Fin Install Fixed Window to match Double-Hung Window - Dual Pane Insulating Glass	48" x 48"	3/4"	3 mm	3 mm	25	22
<b>West</b>						
<b>2-11/16" New Construction Frame Fixed - (Single-Hung)</b>						
2-11/16" Frame Depth Fin Install Fixed Window - Dual Pane Insulating Glass	48" x 48"	3/4"	3 mm	3 mm	26	21
<b>2-11/16" Replacement Frame Fixed - (Single-Hung)</b>						
2-11/16" Frame Depth Replacement Fixed Window - Dual Pane Insulating Glass	48" x 48"	3/4"	3 mm	3 mm	26	21

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



East and West Regions



# Encompass by Pella® Fixed Frame Window

## Features and Options

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

S = Standard; O = Optional

(1) Obscure glass patterns vary based on region.

(2) East Only

Size restrictions for units with Rain obscure glass are listed on the Special Size page of this section.



East and West Regions



# Encompass by Pella® Fixed Frame Window

## Glazing Performance – Total Unit

Glass Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values <sup>1</sup>				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada <sup>2</sup>	
										Zone				ER	Zone
<b>Fixed – 2-11/16" Frame</b>										<b>N</b>	<b>NC</b>	<b>SC</b>	<b>S</b>	<b>CA</b>	
3/4"	Clear IG	PEL-A-294-00098-00001	3	3	air	0.46	0.69	0.73	44						
	with Grilles-between-the-glass	PEL-A-294-00098-00002				0.46	0.62	0.65	44						
3/4"	Advanced Low-E IG	PEL-A-294-00100-00001	3	3	air	0.31	0.33	0.62	56						
	with Grilles-between-the-glass	PEL-A-294-00100-00002				0.31	0.30	0.56	56						
3/4"	Advanced Low-E IG	PEL-A-294-00103-00001	3	3	argon	0.27	0.33	0.62	60						
	with Grilles-between-the-glass	PEL-A-294-00103-00002				0.27	0.30	0.56	60						
3/4"	NaturalSun Low-E IG	PEL-A-294-00099-00001	3	3	air	0.31	0.57	0.70	56					34	CA
	with Grilles-between-the-glass	PEL-A-294-00099-00002				0.31	0.52	0.63	56						
3/4"	NaturalSun Low-E IG	PEL-A-294-00102-00001	3	3	argon	0.28	0.57	0.70	59					38	CA
	with Grilles-between-the-glass	PEL-A-294-00102-00002				0.28	0.52	0.63	59					35	CA
3/4"	NaturalSun+ Low-E IG	PEL-A-294-00165-00001	3	3	argon	0.23	0.55	0.69	46	N				43	CA
	with Grilles-between-the-glass	PEL-A-294-00165-00002				0.23	0.50	0.62	46	N				40	CA
3/4"	SunDefense™ Low-E IG	PEL-A-294-00101-00001	3	3	air	0.30	0.25	0.57	57						
	with Grilles-between-the-glass	PEL-A-294-00101-00002				0.30	0.23	0.51	57						
3/4"	SunDefense™ Low-E IG	PEL-A-294-00105-00001	3	3	argon	0.26	0.24	0.57	60						
	with Grilles-between-the-glass	PEL-A-294-00105-00002				0.26	0.22	0.51	60						
3/4"	SunDefense+ Low-E IG	PEL-A-294-00166-00001	3	3	argon	0.22	0.24	0.56	48	N	NC				
	with Grilles-between-the-glass	PEL-A-294-00166-00002				0.22	0.22	0.50	48	N	NC	SC	S		
3/4"	Clear IG	PEL-A-294-00106-00001	5	5	air	0.48	0.66	0.72	43						
	with Grilles-between-the-glass	PEL-A-294-00107-00001				0.49	0.60	0.64	43						
3/4"	Advanced Low-E IG	PEL-A-294-00110-00001	5	5	air	0.33	0.33	0.61	53						
	with Grilles-between-the-glass	PEL-A-294-00111-00001				0.35	0.30	0.55	53						
3/4"	Advanced Low-E IG	PEL-A-294-00116-00001	5	5	argon	0.28	0.33	0.61	57						
	with Grilles-between-the-glass	PEL-A-294-00117-00001				0.29	0.30	0.55	57						
3/4"	NaturalSun Low-E IG	PEL-A-294-00108-00001	5	5	air	0.34	0.55	0.69	52						
	with Grilles-between-the-glass	PEL-A-294-00109-00001				0.36	0.50	0.62	52						
3/4"	NaturalSun Low-E IG	PEL-A-294-00114-00001	5	5	argon	0.29	0.55	0.69	57					36	CA
	with Grilles-between-the-glass	PEL-A-294-00115-00001				0.30	0.50	0.62	57						
3/4"	NaturalSun+ Low-E IG	PEL-A-294-00169-00001	5	5	argon	0.24	0.53	0.67	43	N				41	CA
	with Grilles-between-the-glass	PEL-A-294-00173-00001				0.25	0.48	0.60	43	N				36	CA
3/4"	SunDefense™ Low-E IG	PEL-A-294-00112-00001	5	5	air	0.32	0.25	0.56	54						
	with Grilles-between-the-glass	PEL-A-294-00113-00001				0.34	0.23	0.51	54						
3/4"	SunDefense™ Low-E IG	PEL-A-294-00118-00001	5	5	argon	0.27	0.25	0.56	58						
	with Grilles-between-the-glass	PEL-A-294-00119-00001				0.29	0.23	0.51	58						
3/4"	SunDefense+ Low-E IG	PEL-A-294-00170-00001	5	5	argon	0.23	0.24	0.55	44		NC				
	with Grilles-between-the-glass	PEL-A-294-00174-00001				0.24	0.22	0.49	44		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.

Performance values on this page reflect units with standard performance. For performance upgrade values on units with a performance upgrade option, please contact Pella Corporation.

Size may affect the performance values.





# Encompass by Pella® Fixed Frame Window

## Glazing Performance – Total Unit

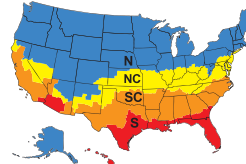
Glass Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values <sup>1</sup>				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown			
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.			
										Zone			
Fixed – 3-1/4" Replacement Frame										N	NC	SC	S
3/4"	Clear IG	PEL-A-301-00189-00001	3	3	air	0.45	0.63	0.67	45				
	with Grilles-between-the-glass	PEL-A-301-00189-00002				0.45	0.57	0.60	45				
3/4"	Advanced Low-E IG	PEL-A-301-00192-00001	3	3	air	0.30	0.31	0.57	58				
	with Grilles-between-the-glass	PEL-A-301-00192-00002				0.30	0.28	0.51	58				
3/4"	Advanced Low-E IG	PEL-A-301-00195-00001	3	3	argon	0.26	0.31	0.57	62				
	with Grilles-between-the-glass	PEL-A-301-00195-00002				0.26	0.28	0.51	62				
3/4"	NaturalSun Low-E IG	PEL-A-301-00190-00001	3	3	air	0.31	0.53	0.64	57				
	with Grilles-between-the-glass	PEL-A-301-00190-00002				0.31	0.47	0.57	57				
3/4"	NaturalSun Low-E IG	PEL-A-301-00194-00001	3	3	argon	0.27	0.53	0.64	61				
	with Grilles-between-the-glass	PEL-A-301-00194-00002				0.27	0.47	0.57	61				
3/4"	NaturalSun+ Low-E IG	PEL-A-301-00216-00001	3	3	argon	0.23	0.51	0.63	48	N			
	with Grilles-between-the-glass	PEL-A-301-00216-00002				0.23	0.46	0.56	48	N			
3/4"	SunDefense™ Low-E IG	PEL-A-301-00193-00001	3	3	air	0.30	0.23	0.52	58				S
	with Grilles-between-the-glass	PEL-A-301-00193-00002				0.30	0.21	0.47	58				S
3/4"	SunDefense™ Low-E IG	PEL-A-301-00197-00001	3	3	argon	0.26	0.22	0.52	62			SC	S
	with Grilles-between-the-glass	PEL-A-301-00197-00002				0.26	0.20	0.47	62			SC	S
3/4"	SunDefense+ Low-E IG	PEL-A-301-00217-00001	3	3	argon	0.22	0.22	0.51	48	N	NC	SC	S
	with Grilles-between-the-glass	PEL-A-301-00217-00002				0.22	0.20	0.46	48	N	NC	SC	S
3/4"	Clear IG	PEL-A-301-00198-00001	5	5	air	0.46	0.61	0.65	44				
	with Grilles-between-the-glass	PEL-A-301-00207-00001				0.47	0.54	0.58	44				
3/4"	Advanced Low-E IG	PEL-A-301-00201-00001	5	5	air	0.33	0.31	0.56	54				
	with Grilles-between-the-glass	PEL-A-301-00210-00001				0.35	0.28	0.50	54				
3/4"	Advanced Low-E IG	PEL-A-301-00204-00001	5	5	argon	0.28	0.30	0.56	58				
	with Grilles-between-the-glass	PEL-A-301-00213-00001				0.30	0.27	0.50	58				
3/4"	NaturalSun Low-E IG	PEL-A-301-00199-00001	5	5	air	0.33	0.51	0.63	54				
	with Grilles-between-the-glass	PEL-A-301-00208-00001				0.35	0.46	0.56	54				
3/4"	NaturalSun Low-E IG	PEL-A-301-00203-00001	5	5	argon	0.29	0.51	0.63	58				
	with Grilles-between-the-glass	PEL-A-301-00212-00001				0.30	0.46	0.56	58				
3/4"	NaturalSun+ Low-E IG	PEL-A-301-00222-00001	5	5	argon	0.24	0.49	0.62	44	N			
	with Grilles-between-the-glass	PEL-A-301-00224-00001				0.25	0.44	0.55	44	N			
3/4"	SunDefense™ Low-E IG	PEL-A-301-00202-00001	5	5	air	0.32	0.23	0.51	55				S
	with Grilles-between-the-glass	PEL-A-301-00211-00001				0.34	0.21	0.46	55				S
3/4"	SunDefense™ Low-E IG	PEL-A-301-00206-00001	5	5	argon	0.27	0.23	0.51	59			SC	S
	with Grilles-between-the-glass	PEL-A-301-00215-00001				0.29	0.21	0.46	59				S
3/4"	SunDefense+ Low-E IG	PEL-A-301-00223-00001	5	5	argon	0.23	0.23	0.50	45		NC	SC	S
	with Grilles-between-the-glass	PEL-A-301-00225-00001				0.24	0.20	0.45	45		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.

For more information, see the ENERGY STAR guidelines.

Climature Zones



East Region Only



# Encompass by Pella® Fixed Frame Window

## Glazing Performance – Total Unit

Glass Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values <sup>1</sup>				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown						
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada <sup>2</sup>		
										Zone				ER	Zone	
Fixed – 3-1/4" New Construction Frame										N	NC	SC	S	CA		
3/4"	Clear IG	PEL-A-300-00151-00001	3	3	air	0.45	0.63	0.67	45							
	with Grilles-between-the-glass	PEL-A-300-00151-00002				0.45	0.57	0.60	45							
3/4"	Advanced Low-E IG	PEL-A-300-00154-00001	3	3	air	0.31	0.31	0.57	57							
	with Grilles-between-the-glass	PEL-A-300-00154-00002				0.31	0.28	0.51	57							
3/4"	Advanced Low-E IG	PEL-A-300-00157-00001	3	3	argon	0.27	0.30	0.57	61							
	with Grilles-between-the-glass	PEL-A-300-00157-00002				0.27	0.27	0.51	61							
3/4"	NaturalSun Low-E IG	PEL-A-300-00152-00001	3	3	air	0.31	0.52	0.64	56							
	with Grilles-between-the-glass	PEL-A-300-00152-00002				0.31	0.47	0.58	56							
3/4"	NaturalSun Low-E IG	PEL-A-300-00156-00001	3	3	argon	0.28	0.52	0.64	60						35	CA
	with Grilles-between-the-glass	PEL-A-300-00156-00002				0.28	0.47	0.58	60							
3/4"	NaturalSun+ Low-E IG	PEL-A-300-00178-00001	3	3	argon	0.23	0.51	0.63	47	N					41	CA
	with Grilles-between-the-glass	PEL-A-300-00178-00002				0.23	0.46	0.56	47	N					38	CA
3/4"	SunDefense™ Low-E IG	PEL-A-300-00155-00001	3	3	air	0.30	0.23	0.53	51							S
	with Grilles-between-the-glass	PEL-A-300-00155-00002				0.30	0.21	0.47	51							S
3/4"	SunDefense™ Low-E IG	PEL-A-300-00159-00001	3	3	argon	0.26	0.22	0.53	57			SC	S			
	with Grilles-between-the-glass	PEL-A-300-00159-00002				0.26	0.20	0.47	57			SC	S			
3/4"	SunDefense+ Low-E IG	PEL-A-300-00179-00001	3	3	argon	0.22	0.22	0.52	49	N	NC	SC	S			
	with Grilles-between-the-glass	PEL-A-300-00179-00002				0.22	0.20	0.46	49	N	NC	SC	S			
3/4"	Clear IG	PEL-A-300-00160-00001	5	5	air	0.46	0.60	0.66	43							
	with Grilles-between-the-glass	PEL-A-300-00160-00001				0.47	0.54	0.59	43							
3/4"	Advanced Low-E IG	PEL-A-300-00163-00001	5	5	air	0.33	0.30	0.56	48							
	with Grilles-between-the-glass	PEL-A-300-00172-00001				0.35	0.28	0.50	48							
3/4"	Advanced Low-E IG	PEL-A-300-00166-00001	5	5	argon	0.28	0.3	0.56	54							
	with Grilles-between-the-glass	PEL-A-300-00175-00001				0.30	0.27	0.50	54							
3/4"	NaturalSun Low-E IG	PEL-A-300-00161-00001	5	5	air	0.34	0.51	0.63	51							
	with Grilles-between-the-glass	PEL-A-300-00170-00001				0.35	0.45	0.56	51							
3/4"	NaturalSun Low-E IG	PEL-A-300-00165-00001	5	5	argon	0.29	0.50	0.63	54							
	with Grilles-between-the-glass	PEL-A-300-00174-00001				0.31	0.45	0.56	54							
3/4"	NaturalSun+ Low-E IG	PEL-A-300-00184-00001	5	5	argon	0.25	0.49	0.62	44	N					37	CA
	with Grilles-between-the-glass	PEL-A-300-00186-00001				0.26	0.44	0.55	44	N						
3/4"	SunDefense™ Low-E IG	PEL-A-300-00164-00001	5	5	air	0.32	0.23	0.52	51							S
	with Grilles-between-the-glass	PEL-A-300-00173-00001				0.34	0.21	0.46	51							S
3/4"	SunDefense™ Low-E IG	PEL-A-300-00168-00001	5	5	argon	0.27	0.23	0.52	55			SC	S			
	with Grilles-between-the-glass	PEL-A-300-00177-00001				0.29	0.21	0.46	55				S			
3/4"	SunDefense+ Low-E IG	PEL-A-300-00185-00001	5	5	argon	0.23	0.23	0.50	45		NC	SC	S			
	with Grilles-between-the-glass	PEL-A-300-00187-00001				0.24	0.20	0.45	45		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® Fixed Frame Window

## Glazing Performance – Total Unit

Glass Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values <sup>1</sup>				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown								
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada <sup>2</sup>				
										Zone				ER	Zone			
<b>Fixed – 1/2" Flange Frame</b>										<b>N</b>	<b>NC</b>	<b>SC</b>	<b>S</b>					
3/4"	Clear IG	PEL-A-294-00098-00001	3	3	air	0.46	0.69	0.73	44									
	with Grilles-between-the-glass	PEL-A-294-00098-00002				0.46	0.62	0.65	44									
3/4"	Advanced Low-E IG	PEL-A-294-00100-00001	3	3	air	0.31	0.33	0.62	56									
	with Grilles-between-the-glass	PEL-A-294-00100-00002				0.31	0.30	0.56	56									
3/4"	Advanced Low-E IG	PEL-A-294-00103-00001	3	3	argon	0.27	0.33	0.62	60									
	with Grilles-between-the-glass	PEL-A-294-00103-00002				0.27	0.30	0.56	60									
3/4"	NaturalSun Low-E IG	PEL-A-294-00099-00001	3	3	air	0.31	0.57	0.70	56						34		CA	
	with Grilles-between-the-glass	PEL-A-294-00099-00002				0.31	0.52	0.63	56									
3/4"	NaturalSun Low-E IG	PEL-A-294-00102-00001	3	3	argon	0.28	0.57	0.70	59						38		CA	
	with 3/4" Contour Grille	PEL-A-294-00102-00002				0.28	0.52	0.63	59						35		CA	
3/4"	SunDefense™ Low-E IG	PEL-A-294-00101-00001	3	3	air	0.30	0.25	0.57	57									
	with Grilles-between-the-glass	PEL-A-294-00101-00002				0.30	0.23	0.51	57									
3/4"	SunDefense™ Low-E IG	PEL-A-294-00105-00001	3	3	argon	0.26	0.24	0.57	60									
	with Grilles-between-the-glass	PEL-A-294-00105-00002				0.26	0.22	0.51	60									
3/4"	Clear IG	PEL-A-294-00106-00001	5	5	air	0.48	0.66	0.72	43									
	with Grilles-between-the-glass	PEL-A-294-00107-00001				0.49	0.60	0.64	43									
3/4"	Advanced Low-E IG	PEL-A-294-00110-00001	5	5	air	0.33	0.33	0.61	53									
	with 3/4" Contour Grille	PEL-A-294-00111-00001				0.35	0.30	0.55	53									
3/4"	Advanced Low-E IG	PEL-A-294-00116-00001	5	5	argon	0.28	0.33	0.61	57									
	with Grilles-between-the-glass	PEL-A-294-00117-00001				0.29	0.30	0.55	57									
3/4"	NaturalSun Low-E IG	PEL-A-294-00108-00001	5	5	air	0.34	0.55	0.69	52									
	with Grilles-between-the-glass	PEL-A-294-00109-00001				0.36	0.50	0.62	52									
3/4"	NaturalSun Low-E IG	PEL-A-294-00114-00001	5	5	argon	0.29	0.55	0.69	57									
	with Grilles-between-the-glass	PEL-A-294-00115-00001				0.30	0.50	0.62	57									
3/4"	SunDefense™ Low-E IG	PEL-A-294-00112-00001	5	5	air	0.32	0.25	0.56	54									
	with Grilles-between-the-glass	PEL-A-294-00113-00001				0.34	0.23	0.51	54									
3/4"	SunDefense™ Low-E IG	PEL-A-294-00118-00001	5	5	argon	0.27	0.25	0.56	58									
	with 3/4" Contour Grille	PEL-A-294-00119-00001				0.29	0.23	0.51	58									

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® Fixed Frame Window

## Glazing Performance – Total Unit

Glass Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values <sup>1</sup>				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown										
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada <sup>2</sup>						
										Zone				ER	Zone					
<b>Fixed – 2-11/16" Frame</b>										<b>N</b>	<b>NC</b>	<b>SC</b>	<b>S</b>						<b>CA</b>	
3/4"	Clear IG	PEL-A-297-00173-00001	3	3	air	0.46	0.69	0.73	45											
	with Grilles-between-the-glass	PEL-A-297-00173-00002				0.46	0.63	0.66	45											
3/4"	Advanced Low-E IG	PEL-A-297-00175-00001	3	3	air	0.30	0.33	0.62	57											
	with Grilles-between-the-glass	PEL-A-297-00175-00002				0.30	0.30	0.56	57											
3/4"	Advanced Low-E IG	PEL-A-297-00178-00001	3	3	argon	0.26	0.33	0.62	61											
	with Grilles-between-the-glass	PEL-A-297-00178-00002				0.26	0.30	0.56	61											
3/4"	NaturalSun Low-E IG	PEL-A-297-00174-00001	3	3	air	0.31	0.58	0.70	56								35		CA	
	with Grilles-between-the-glass	PEL-A-297-00174-00002				0.31	0.52	0.63	56											
3/4"	NaturalSun Low-E IG	PEL-A-297-00177-00001	3	3	argon	0.27	0.58	0.70	60								40		CA	
	with Grilles-between-the-glass	PEL-A-297-00177-00002				0.27	0.52	0.63	60								36		CA	
3/4"	NaturalSun+ Low-E IG	PEL-A-297-00200-00001	3	3	argon	0.22	0.56	0.69	47	N							45		CA	
	with Grilles-between-the-glass	PEL-A-297-00200-00002				0.22	0.50	0.62	47	N							41		CA	
3/4"	SunDefense™ Low-E IG	PEL-A-297-00176-00001	3	3	air	0.30	0.25	0.58	57											
	with Grilles-between-the-glass	PEL-A-297-00176-00002				0.30	0.23	0.52	57											
3/4"	SunDefense™ Low-E IG	PEL-A-297-00181-00001	3	3	argon	0.26	0.24	0.58	61											
	with Grilles-between-the-glass	PEL-A-297-00181-00002				0.26	0.22	0.52	61											
3/4"	SunDefense+ Low-E IG	PEL-A-297-00201-00001	3	3	argon	0.21	0.24	0.56	48	N	NC						28		CA	
	with Grilles-between-the-glass	PEL-A-297-00201-00002				0.21	0.22	0.51	48	N	NC	SC	S				26		CA	
3/4"	Clear IG or Obscure/Clear IG	PEL-A-297-00182-00001	5	5	air	0.47	0.67	0.72	44											
	with Grilles-between-the-glass	PEL-A-297-00191-00001				0.48	0.60	0.65	44											
3/4"	Advanced Low-E IG	PEL-A-297-00184-00001	5	5	air	0.32	0.33	0.61	54											
	with Grilles-between-the-glass	PEL-A-297-00193-00001				0.33	0.30	0.55	54											
3/4"	Advanced Low-E IG	PEL-A-297-00187-00001	5	5	argon	0.27	0.33	0.61	58											
	with Grilles-between-the-glass	PEL-A-297-00196-00001				0.28	0.30	0.55	58											
3/4"	NaturalSun Low-E IG	PEL-A-297-00183-00001	5	5	air	0.33	0.55	0.69	54											
	with Grilles-between-the-glass	PEL-A-297-00192-00001				0.34	0.50	0.62	54											
3/4"	NaturalSun Low-E IG	PEL-A-297-00186-00001	5	5	argon	0.28	0.55	0.69	57								37		CA	
	with Grilles-between-the-glass	PEL-A-297-00195-00001				0.29	0.50	0.62	57											
3/4"	NaturalSun+ Low-E IG	PEL-A-297-00206-00001	5	5	argon	0.24	0.53	0.68	44	N							41		CA	
	with Grilles-between-the-glass	PEL-A-297-00208-00001				0.25	0.48	0.61	44	N							37		CA	
3/4"	SunDefense™ Low-E IG	PEL-A-297-00185-00001	5	5	air	0.31	0.25	0.57	55											
	with Grilles-between-the-glass	PEL-A-297-00194-00001				0.33	0.23	0.51	55											
3/4"	SunDefense™ Low-E IG	PEL-A-297-00190-00001	5	5	argon	0.26	0.25	0.57	59											
	with Grilles-between-the-glass	PEL-A-297-00199-00001				0.28	0.23	0.51	59											
3/4"	SunDefense+ Low-E IG	PEL-A-297-00207-00001	5	5	argon	0.23	0.24	0.55	45		NC									
	with Grilles-between-the-glass	PEL-A-297-00209-00001				0.24	0.22	0.50	45		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.

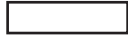
(2) The values shown are based on Canada's updated ENERGY STAR® 2020 initiative. For more information, see the ENERGY STAR guidelines.





Grilles

Grille Profiles



5/8" Flat Grille

(West Region Only)

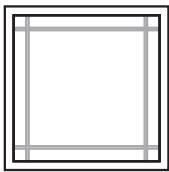


3/4" Contour Grille

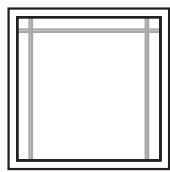
(East and West Region)

Grille Patterns

Prairie Lite Patterns



9-Lite Prairie

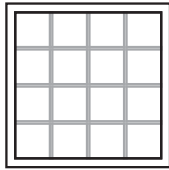


6-Lite Prairie

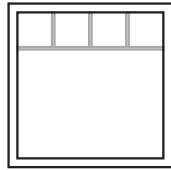
9-Lite Prairie

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

Other Available Patterns



Traditional



Top Row

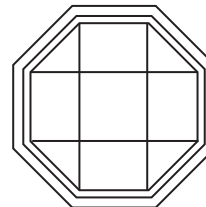
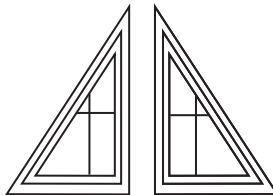
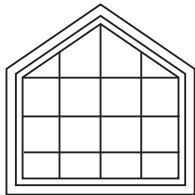
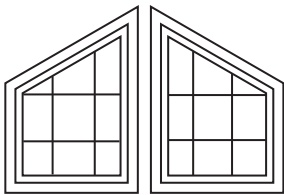
Traditional

- Specify number of lites—wide and high.
- Grilles must be equally divided on visible glass.
- Minimum 6" x 6" center-to-center.
- Also available in other window shapes.

Top Row

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

Special Shapes – Traditional grilles only



East and West Regions



# Encompass by Pella® Fixed Frame Window

## Standard Traditional Grille Breakpoints

		Actual Frame Widths								
		Lites	1-Wide	2-Wide	3-Wide	4-Wide	6-Wide	7-Wide	8-Wide	9-Wide
	Lites	<17-1/2"	17-1/2" to 27-1/2"	27-5/8" to 44-3/8"	44-1/2" to 65-3/8"	65-1/2" to 77-3/8"	77-1/2" to 89-3/8"	89-1/2" to 101-3/8"	101-1/2" to 108"	
Actual Frame Widths	1-High	<17-1/2"								
	2-High	17-1/2" to 27-3/8"								
	3-High	27-1/2" to 44-3/8"								
	4-High	44-1/2" to 65-3/8"								
	6-High	65-1/2" to 77-3/8"								
	7-High	77-1/2" to 89-3/8"								
	8-High	89-1/2" to 101-3/8"								
	9-High	101-1/2" to 108"								



East and West Regions

Actual grille spacing may be different than shown in drawings.



# Encompass by Pella® Fixed Frame Window

## Size Tables - 2-11/16" Frame, East Region

### Fixed Units

	(914) (902)	(1 219) (1 207)	(1 524) (1 511)	(1 829) (1 816)	(2 134) (2 121)	(2 438) (2 426)
Opening	3' 0"	4' 0"	5' 0"	6' 0"	7' 0"	8' 0"
Frame	35 1/2"	47 1/2"	59 1/2"	71 1/2"	83 1/2"	95 1/2"
(610) (597)	2' 0" 23 1/2"					
(914) (902)	3' 0" 35 1/2"					
(965) (953)	3' 2" 37 1/2"					
(1 067) (1 054)	3' 6" 41 1/2"					
(1 160) (1 156)	3' 10" 45 1/2"					
(1 219) (1 207)	4' 0" 47 1/2"					
(1 321) (1 308)	4' 4" 51 1/2"					
(1 372) (1 359)	4' 6" 53 1/2"					
(1 524) (1 511)	5' 0" 59 1/2"					
(1 575) (1 562)	5' 2" 61 1/2"					
(1 676) (1 664)	5' 6" 65 1/2"					
(1 829) (1 816)	6' 0" 71 1/2"					
		3-0/2-0	4-0/2-0	5-0/2-0	6-0/2-0	7-0/2-0
		3-0/3-0	4-0/3-0	5-0/3-0	6-0/3-0	7-0/3-0
		3-0/3-2	4-0/3-2	5-0/3-2	6-0/3-2	7-0/3-2
		3-0/3-6	4-0/3-6	5-0/3-6	6-0/3-6	7-0/3-6
		3-0/3-10	4-0/3-10	5-0/3-10	6-0/3-10	7-0/3-10
		3-0/4-0	4-0/4-0	5-0/4-0	6-0/4-0	7-0/4-0
		3-0/4-4	4-0/4-4	5-0/4-4	6-0/4-4	7-0/4-4
		3-0/4-6	4-0/4-6	5-0/4-6	6-0/4-6	7-0/4-6
		3-0/5-0	4-0/5-0	5-0/5-0	6-0/5-0	7-0/5-0
		3-0/5-2	4-0/5-2	5-0/5-2	6-0/5-2	7-0/5-2
		3-0/5-6	4-0/5-6	5-0/5-6	6-0/5-6	7-0/5-6
		3-0/6-0	4-0/6-0	5-0/6-0	6-0/6-0	



East Region Only

Not to scale.


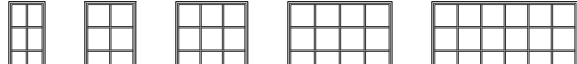





# Encompass by Pella® Fixed Frame Window

## Size Tables - 2-11/16" Flush Flange Frame, Florida Region Only

Call Size	1	H3	2	3	D2
Masonry	19 7/8"	27 1/4"	37 3/4"	53 7/8"	74 3/4"
Buck	18 3/8"	25 3/4"	36 1/4"	52 3/8"	73 1/4"
Frame	18 1/8"	25 1/2"	36"	52 1/8"	73"
Tip to Tip	19 3/8"	26 3/4"	37 1/4"	53 3/8"	74 1/4"

2	26"	25 1/4"	25"	26 1/4"	 FL-12    FL-H32    FL-22    FL-32    FL-D22
3	38 3/8"	37 5/8"	37 3/8"	38 5/8"	 FL-13    FL-H33    FL-23    FL-33    FL-D23
4	50 5/8"	49 7/8"	49 5/8"	50 7/8"	 FL-14    FL-H34    FL-24    FL-34    FL-D24
5	63"	62 1/4"	62"	63 1/4"	 FL-15    FL-H35    FL-25    FL-35
6	76"	75 1/4"	75"	76 1/4"	 FL-16    FL-H36    FL-26    FL-36



Florida Region Only

Not to scale.



# Encompass by Pella® Fixed Frame Window

## Size Tables - 2-11/16" Frame, West Region

### Fixed Units

	(914) (902)	(1 219) (1 207)	(1 524) (1 511)	(1 829) (1 816)	(2 134) (2 121)	(2 438) (2 426)		
Opening	3' 0"	4' 0"	5' 0"	6' 0"	7' 0"	8' 0"		
Frame	35 1/2"	47 1/2"	59 1/2"	71 1/2"	83 1/2"	95 1/2"		
(610) (597)	2' 0"	23 1/2"	3-0/2-0	4-0/2-0	5-0/2-0	6-0/2-0	7-0/2-0	8-0/2-0
(914) (902)	3' 0"	35 1/2"	3-0/3-0	4-0/3-0	5-0/3-0	6-0/3-0	7-0/3-0	8-0/3-0
(1 067) (1 054)	3' 6"	41 1/2"	3-0/3-6	4-0/3-6	5-0/3-6	6-0/3-6	7-0/3-6	8-0/3-6
(1 219) (1 207)	4' 0"	47 1/2"	3-0/4-0	4-0/4-0	5-0/4-0	6-0/4-0	7-0/4-0	8-0/4-0
(1 372) (1 359)	4' 6"	53 1/2"	3-0/4-6	4-0/4-6	5-0/4-6	6-0/4-6	7-0/4-6	8-0/4-6
(1 524) (1 511)	5' 0"	59 1/2"	3-0/5-0	4-0/5-0	5-0/5-0	6-0/5-0	7-0/5-0	8-0/5-0
(1 676) (1 664)	5' 6"	65 1/2"	3-0/5-6	4-0/5-6	5-0/5-6	6-0/5-6	7-0/5-6	
(1 829) (1 816)	6' 0"	71 1/2"	3-0/6-0	4-0/6-0	5-0/6-0	6-0/6-0		



West Region Only

Not to scale.



# Encompass by Pella® Fixed Frame Window

## Size Tables - 3-1/4" Replacement Frame, East Region

### Fixed Units

Opening	(1 219)	(1 372)	(1 524)
	(1 207)	(1 359)	(1 511)
Frame	47 1/2"	53 1/2"	59 1/2"
(914) (902) 3' 0"	4-0/3-0	4-6/3-0	5-0/3-0
(965) (953) 3' 2"	4-0/3-2	4-6/3-2	5-0/3-2
(1 067) (1 054) 3' 6"	4-0/3-6	4-6/3-6	5-0/3-6
(1 160) (1 156) 3' 10"	4-0/3-10	4-6/3-10	5-0/3-10
(1 219) (1 207) 4' 0"	4-0/4-0	4-6/4-0	5-0/4-0
(1 321) (1 308) 4' 4"	4-0/4-4	4-6/4-4	5-0/4-4
(1 372) (1 359) 4' 6"	4-0/4-6	4-6/4-6	5-0/4-6
(1 524) (1 511) 5' 0"	4-0/5-0	4-6/5-0	5-0/5-0
(1 575) (1 562) 5' 2"	4-0/5-2	4-6/5-2	5-0/5-2
(1 676) (1 664) 5' 6"	4-0/5-6	4-6/5-6	5-0/5-6
(1 829) (1 816) 6' 0"	4-0/6-0	4-6/6-0	5-0/6-0
	71 1/2"		



East Region Only

Not to scale.



# Encompass by Pella® Fixed Frame Window

## Size Tables - 3-1/4" New Construction Frame, East Region

### Fixed Units

	(1 219) (1 207)	(1 372) (1 359)	(1 524) (1 511)	
Opening	4' 0"	4' 6"	5' 0"	
Frame	47 1/2"	53 1/2"	59 1/2"	
(914) (902)	3' 0" 35 1/2"	4-0/3-0	4-6/3-0	5-0/3-0
(965) (953)	3' 2" 37 1/2"	4-0/3-2	4-6/3-2	5-0/3-2
(1 067) (1 054)	3' 6" 41 1/2"	4-0/3-6	4-6/3-6	5-0/3-6
(1 160) (1 156)	3' 10" 45 1/2"	4-0/3-10	4-6/3-10	5-0/3-10
(1 219) (1 207)	4' 0" 47 1/2"	4-0/4-0	4-6/4-0	5-0/4-0
(1 321) (1 308)	4' 4" 51 1/2"	4-0/4-4	4-6/4-4	5-0/4-4
(1 372) (1 359)	4' 6" 53 1/2"	4-0/4-6	4-6/4-6	5-0/4-6
(1 524) (1 511)	5' 0" 59 1/2"	4-0/5-0	4-6/5-0	5-0/5-0
(1 575) (1 562)	5' 2" 61 1/2"	4-0/5-2	4-6/5-2	5-0/5-2
(1 676) (1 664)	5' 6" 65 1/2"	4-0/5-6	4-6/5-6	5-0/5-6
(1 829) (1 816)	6' 0" 71 1/2"	4-0/6-0	4-6/6-0	5-0/6-0



East Region Only

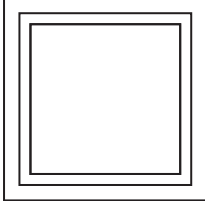
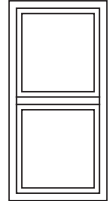
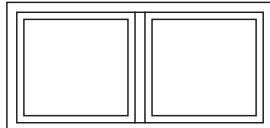
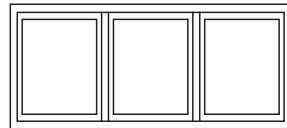
Not to scale.





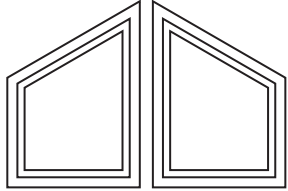
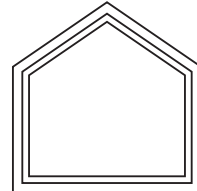
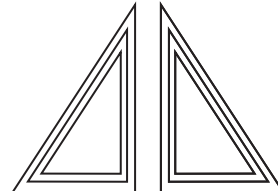
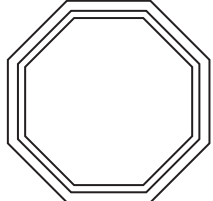
# Encompass by Pella® Fixed Frame Window

## Special Sizes and Shape Frame Dimensions

Rectangle	2-High <sub>2</sub>	2-Wide <sub>2</sub>	3-Wide <sub>2</sub>
			
<p><b>MINIMUM</b> 11-1/2" W x 11-1/2" H (292 x 292)</p> <p><b>MAXIMUM<sub>1</sub></b> 108" W or 108" H or 40 ft<sup>2</sup> (2 743) or (2 743) In any one direction</p>	<p><b>MINIMUM</b> 11-1/2" W x 23-1/2" H (292 x 597)</p> <p><b>MAXIMUM<sub>1</sub></b> 48" W x 108" H or 40 ft<sup>2</sup> (1 219) or (2 743)</p>	<p><b>MINIMUM</b> 23-1/2" W x 11-1/2" H (597 x 292)</p> <p><b>MAXIMUM<sub>1</sub></b> 108" W x 48" H or 40 ft<sup>2</sup> (2 743) or (1 219)</p>	<p><b>MINIMUM</b> 35-1/2" W x 11-1/2" H (902 x 292)</p> <p><b>MAXIMUM<sub>1</sub></b> 108" W x 48" H or 40 ft<sup>2</sup> (2 743) or (1 219)</p>

### Special Size Notes:

- Both width and height cannot be > than 73-1/2"
- Maximum Square Foot = 40 Ft<sup>2</sup>
- If long side is ≤ 95-1/2", width and height ratio ≤ 8:1
- If long side is > 95-1/2", width and height ratio < 5:1
- Minimum overall width plus overall height is 29"
- Maximum frame width with 9-Lite Prairie grille = 72"
- If glass width/height ratio is > 5:1, then glass must be tempered
- To convert areas to square meters (m<sup>2</sup>), multiply square feet by 0.0929.

Left & Right Gable	House Top	Left & Right 90° Triangle	Octagon
			
<p><b>MINIMUM</b> 14-1/2" W x 14-1/2" H (368 x 368)</p> <p><b>MAXIMUM<sub>1</sub></b> 40 ft<sup>2</sup> w/ 108"(2 743) in any one direction</p>	<p><b>MINIMUM</b> 23-1/2" W x 14-1/2" H (597 x 368)</p> <p><b>MAXIMUM<sub>1</sub></b> 40 ft<sup>2</sup> w/ 108"(2 743) in any one direction</p>	<p><b>MINIMUM</b> 23-1/2" W x 11-1/2" H (597 x 292)</p> <p><b>MAXIMUM<sub>1</sub></b> 40 ft<sup>2</sup> w/ 108"(2 743) in any one direction</p>	<p><b>MINIMUM</b> 17-1/2" W x 17-1/2" H (445 x 445)</p> <p><b>MAXIMUM</b> 73-1/2" W x 73-1/2" H (1 867 x 1 867)</p>

### Custom Shapes Notes:

- Both width and height cannot be > than 73-1/2"
- Maximum Square Foot = 40 ft<sup>2</sup>
- If long side is ≤ 95-1/2", width and height ratio ≤ 8:1
- If long side is > 95-1/2", width and height ratio < 5:1
- Minimum overall width plus overall height is 29"
- Maximum frame width with 9-Lite Prairie grille = 72"
- Minimum leg length is 5-1/2"
- Minimum corner angle is 40°
- If glass width/height ratio is > 5:1, then glass must be tempered
- To convert areas to square meters (m<sup>2</sup>), multiply square feet by 0.0929.

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

(1) Maximum frame limit for 1/2" Flange Frame is 95-1/2" in any one direction.

(2) Composite units are not AAMA/WDMA performance certified.



East and West Regions



# Encompass by Pella® Fixed Frame Window

## Design Data

### Fixed Units to Match Single-Hung and Sliding Window

Fixed 2-11/16" Frame - East Region						
Call Out	Frame (Inches)		Visible Glass Ft <sup>2</sup>	Standard Glass Thickness (mm)		Performance Class & Grade <sup>(1)</sup>
	Width	Height		Annealed	Tempered	
3-0/2-0	35-1/2	23-1/2	4.6	3	3	R50
3-0/3-0	35-1/2	35-1/2	7.3	3	3	R50
3-0/3-2	35-1/2	37-1/2	7.8	3	3	R50
3-0/3-6	35-1/2	41-1/2	8.7	3	3	R50
3-0/3-10	35-1/2	45-1/2	9.6	3	3	R50
3-0/4-0	35-1/2	47-1/2	10.0	3	3	R50
3-0/4-4	35-1/2	51-1/2	10.9	3	3	R50
3-0/4-6	35-1/2	53-1/2	12.8	3	3	R50
3-0/5-0	35-1/2	59-1/2	13.2	3	3	R50
3-0/5-2	35-1/2	61-1/2	14.1	3	3	R25
3-0/5-6	35-1/2	65-1/2	15.5	3	3	R25
3-0/6-0	35-1/2	71-1/2	6.3	3	3	R25
4-0/2-0	47-1/2	23-1/2	10.0	3	3	R50
4-0/3-0	47-1/2	35-1/2	10.7	3	3	R50
4-0/3-2	47-1/2	37-1/2	11.9	3	3	R50
4-0/3-6	47-1/2	41-1/2	13.1	3	3	R50
4-0/3-10	47-1/2	45-1/2	13.8	3	3	R50
4-0/4-0	47-1/2	47-1/2	15.0	3	3	R50
4-0/4-4	47-1/2	51-1/2	15.6	3	3	R50
4-0/4-6	47-1/2	53-1/2	17.5	3	3	R50
4-0/5-0	47-1/2	59-1/2	18.1	3	3	R50
4-0/5-2	47-1/2	61-1/2	19.3	3	3	R25
5-0/5-6	59-1/2	65-1/2	24.5	5	5	R25
5-0/6-0	59-1/2	71-1/2	26.9	5	5	R25

Fixed 2-11/16" Frame - East Region						
Call Out	Frame (Inches)		Visible Glass Ft <sup>2</sup>	Standard Glass Thickness (mm)		Performance Class & Grade <sup>(1)</sup>
	Width	Height		Annealed	Tempered	
6-0/2-0	71-1/2	23-1/2	9.8	3	3	R25
6-0/3-0	71-1/2	35-1/2	15.5	3	3	R25
6-0/3-2	71-1/2	37-1/2	16.4	3	3	R25
6-0/3-6	71-1/2	41-1/2	18.3	3	3	R25
6-0/3-10	71-1/2	45-1/2	20.2	3	3	R25
6-0/4-0	71-1/2	47-1/2	21.2	3	3	R25
6-0/4-4	71-1/2	51-1/2	23.1	5	5	R25
6-0/4-6	71-1/2	53-1/2	24.0	5	5	R25
6-0/5-0	71-1/2	59-1/2	26.9	5	5	R25
6-0/5-2	71-1/2	61-1/2	27.8	5	5	R25
6-0/5-6	71-1/2	65-1/2	29.7	5	5	R25
6-0/6-0	71-1/2	71-1/2	32.6	5	5	R25
7-0/2-0	83-1/2	23-1/2	11.5	3	3	R25
7-0/3-0	83-1/2	35-1/2	18.2	3	3	R25
7-0/3-2	83-1/2	37-1/2	19.3	3	3	R25
7-0/3-6	83-1/2	41-1/2	21.5	3	3	R25
7-0/3-10	83-1/2	45-1/2	23.8	5	5	R25
7-0/4-0	83-1/2	47-1/2	24.9	5	5	R25
7-0/4-4	83-1/2	51-1/2	27.1	5	5	R25
7-0/4-6	83-1/2	53-1/2	28.2	5	5	R25
7-0/5-0	83-1/2	59-1/2	31.6	5	5	R25
7-0/5-2	83-1/2	61-1/2	32.7	5	5	R25
7-0/5-6	83-1/2	65-1/2	34.9	5	5	R25
8-0/2-0	95-1/2	23-1/2	13.2	3	3	R25
8-0/3-0	95-1/2	35-1/2	20.9	5	5	R25
8-0/3-2	95-1/2	37-1/2	22.2	5	5	R25
8-0/3-6	95-1/2	41-1/2	24.7	5	5	R25
8-0/3-10	95-1/2	45-1/2	27.3	5	5	R25
8-0/4-0	95-1/2	47-1/2	28.6	5	5	R25
8-0/4-4	95-1/2	51-1/2	31.2	5	5	R25
8-0/4-6	95-1/2	53-1/2	32.4	5	5	R25
8-0/5-0	95-1/2	59-1/2	36.3	5	5	R25

### Miscellaneous Formulas

Fixed Units		KEY:
Visible Glass	$VGW = FW - 3''$ $VGH = FH - 3''$	
Actual Glass	$AGW = FW - 2''$ $AGH = FH - 2''$	

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 (m<sup>2</sup>), multiply square feet by 0.0929.



East Region Only



# Encompass by Pella® Fixed Frame Window

## Design Data

### 2-11/16" Flush Flange Frame - Florida Region Only

Call Out	Frame (Inches)		Visible Glass Ft <sup>2</sup>	Standard Glass Thickness (mm)		Performance Class & Grade <sup>1</sup>
	Width	Height		Annealed	Tempered	
FL-12	18-1/8	25	2.3	3	3	R50
FL-13	18-1/8	37-3/8	3.6	3	3	R50
FL-14	18-1/8	49-5/8	4.9	3	3	R50
FL-15	18-1/8	62	6.2	3	3	R25
FL-16	18-1/8	75	7.6	3	3	R25
FL-H32	25-1/2	25	3.4	3	3	R50
FL-H33	25-1/2	37-3/8	5.4	3	3	R50
FL-H34	25-1/2	49-5/8	7.3	3	3	R50
FL-H35	25-1/2	62	9.2	3	3	R25
FL-H36	25-1/2	75	11.3	3	3	R25
FL-22	36	25	5.0	3	3	R50
FL-23	36	37-3/8	7.9	3	3	R50
FL-24	36	49-5/8	10.7	3	3	R50
FL-32	52-1/8	25	7.5	3	3	R50
FL-33	52-1/8	37-3/8	11.7	3	3	R50
FL-34	52-1/8	49-5/8	15.9	3	3	R50
FL-35	52-1/8	62	20.1	3	3	R25
FL-36	52-1/8	75	24.6	3	3	R25
FL-D22	73	25	10.7	3	3	R25
FL-D23	73	37-3/8	16.7	3	3	R25
FL-D24	73	49-5/8	22.7	3	3	R25

### Miscellaneous Formulas

	Fixed Units	
Visible Glass	VGW = FW – 3" VGH = FH – 3"	<b>KEY:</b> AGW = Actual Glass Width AGH = Actual Glass Height FW = Frame Width FH = Frame Height VGW = Visible Glass Width VGH = Visible Glass Height
Actual Glass	AGW = FW – 2" AGH = FH – 2"	

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 (m<sup>2</sup>), multiply square feet by 0.0929



Florida Region Only



# Encompass by Pella® Fixed Frame Window

## Design Data

### Fixed Units for Sliding and Single-Hung Windows

Fixed 2-11/16" Frame - West Region						
Call Out	Frame (Inches)		Visible Glass Ft <sup>2</sup>	Standard Glass Thickness (mm)		Performance Class & Grade <sup>1</sup>
	Width	Height		Annealed	Tempered	
3-0/2-0	35-1/2	23-1/2	4.6	3	3	R30
3-0/3-0	35-1/2	35-1/2	7.3	3	3	R30
3-0/3-6	35-1/2	41-1/2	8.7	3	3	R30
3-0/4-0	35-1/2	47-1/2	10.0	3	3	R30
3-0/4-6	35-1/2	53-1/2	11.4	3	3	R30
3-0/5-0	35-1/2	59-1/2	12.8	3	3	R30
3-0/5-6	35-1/2	65-1/2	14.1	3	3	R30
3-0/6-0	35-1/2	71-1/2	15.5	3	3	R30
4-0/2-0	47-1/2	23-1/2	6.3	3	3	R30
4-0/3-0	47-1/2	35-1/2	10.0	3	3	R30
4-0/3-6	47-1/2	41-1/2	11.9	3	3	R30
4-0/4-0	47-1/2	47-1/2	13.8	3	3	R30
4-0/4-6	47-1/2	53-1/2	15.6	3	3	R30
4-0/5-0	47-1/2	59-1/2	17.5	3	3	R30
4-0/5-6	47-1/2	65-1/2	19.3	3	3	R30
4-0/6-0	47-1/2	71-1/2	21.2	3	3	R30
5-0/2-0	59-1/2	23-1/2	8.0	3	3	R30
5-0/3-0	59-1/2	35-1/2	12.8	3	3	R30
5-0/3-6	59-1/2	41-1/2	15.1	3	3	R30
5-0/4-0	59-1/2	47-1/2	17.5	3	3	R30
5-0/4-6	59-1/2	53-1/2	19.8	3	3	R30
5-0/5-0	59-1/2	59-1/2	22.2	5	5	R30
5-0/5-6	59-1/2	65-1/2	24.5	5	5	R30
5-0/6-0	59-1/2	71-1/2	26.9	5	5	R30
6-0/2-0	71-1/2	23-1/2	9.8	3	3	R30
6-0/3-0	71-1/2	35-1/2	15.5	3	3	R30
6-0/3-6	71-1/2	41-1/2	18.3	3	3	R30
6-0/4-0	71-1/2	47-1/2	21.2	3	3	R30
6-0/4-6	71-1/2	53-1/2	24.0	5	5	R30
6-0/5-0	71-1/2	59-1/2	26.9	5	5	R30
6-0/5-6	71-1/2	65-1/2	29.7	5	5	R30
6-0/6-0	71-1/2	71-1/2	32.6	5	5	R30
7-0/2-0	83-1/2	23-1/2	11.5	3	3	R25
7-0/3-0	83-1/2	35-1/2	18.2	3	3	R25
7-0/3-6	83-1/2	41-1/2	21.5	5	5	R25
7-0/4-0	83-1/2	47-1/2	24.9	5	5	R25
7-0/4-6	83-1/2	53-1/2	28.2	5	5	R25
7-0/5-0	83-1/2	59-1/2	31.6	5	5	R25
7-0/5-6	83-1/2	65-1/2	34.9	5	5	R25
8-0/2-0	95-1/2	23-1/2	13.2	3	3	R25
8-0/3-0	95-1/2	35-1/2	20.9	5	5	R25
8-0/3-6	95-1/2	41-1/2	24.7	5	5	R25
8-0/4-0	95-1/2	47-1/2	28.6	5	5	R25
8-0/5-0	95-1/2	53-1/2	32.4	5	5	R25

### Miscellaneous Formulas

Fixed Units	
Visible Glass	VGW = FW – 3"
	VGH = FH – 3"
Actual Glass	AGW = FW – 2"
	AGH = FH – 2"

#### KEY:

- AGW = Actual Glass Width
- AGH = Actual Glass Height
- FW = Frame Width
- FH = Frame 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.



West Region Only

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

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



# Encompass by Pella® Fixed Frame Window

## Design Data

### Fixed Units to Match Double-Hung

#### Fixed 3-1/4" Replacement Frame - East Region

Call Out	Frame (Inches)		Visible Glass Ft <sup>2</sup>	Standard Glass Thickness (mm)		Performance Class & Grade <sub>1</sub>
	Width	Height		Annealed	Tempered	
4-0/3-0	47-1/2	35-1/2	8.9	3	3	R45
4-0/3-2	47-1/2	37-1/2	9.5	3	3	R45
4-0/3-6	47-1/2	41-1/2	10.7	3	3	R45
4-0/3-10	47-1/2	45-1/2	11.9	3	3	R45
4-0/4-0	47-1/2	47-1/2	12.5	3	3	R45
4-0/4-4	47-1/2	51-1/2	13.6	3	3	R45
4-0/4-6	47-1/2	53-1/2	14.2	3	3	R45
4-0/5-0	47-1/2	59-1/2	16.0	3	3	R45
4-0/5-2	47-1/2	61-1/2	16.6	3	3	R45
4-0/5-6	47-1/2	65-1/2	17.8	3	3	R45
4-0/6-0	47-1/2	71-1/2	19.5	3	3	R45
4-6/3-0	53-1/2	35-1/2	10.2	3	3	R45
4-6/3-2	53-1/2	37-1/2	10.9	3	3	R45
4-6/3-6	53-1/2	41-1/2	12.2	3	3	R45
4-6/3-10	53-1/2	45-1/2	13.6	3	3	R45
4-6/4-0	53-1/2	47-1/2	14.2	3	3	R45
4-6/4-4	53-1/2	51-1/2	15.6	3	3	R45
4-6/4-6	53-1/2	53-1/2	16.3	3	3	R45
4-6/5-0	53-1/2	59-1/2	18.3	3	3	R45
4-6/5-2	53-1/2	61-1/2	18.9	3	3	R45
4-6/5-6	53-1/2	65-1/2	20.3	3	3	R45
4-6/6-0	53-1/2	71-1/2	22.3	5	5	R45
5-0/3-0	59-1/2	35-1/2	11.5	3	3	R45
5-0/3-2	59-1/2	37-1/2	12.2	3	3	R45
5-0/3-6	59-1/2	41-1/2	13.7	3	3	R45
5-0/3-10	59-1/2	45-1/2	15.2	3	3	R45
5-0/4-0	59-1/2	47-1/2	16.0	3	3	R45
5-0/4-4	59-1/2	51-1/2	17.5	3	3	R45
5-0/4-6	59-1/2	53-1/2	18.3	3	3	R45
5-0/5-0	59-1/2	59-1/2	20.5	3	3	R45
5-0/5-2	59-1/2	61-1/2	21.3	3	3	R45
5-0/5-6	59-1/2	65-1/2	22.8	5	5	R45
5-0/6-0	59-1/2	71-1/2	25.1	5	5	R45

### Miscellaneous Formulas

Fixed Units	
Visible Glass	VGW = FW - 3"
	VGH = FH - 3"
Actual Glass	AGW = FW - 2"
	AGH = FH - 2"

#### KEY:

- AGW = Actual Glass Width
- AGH = Actual Glass Height
- FW = Frame Width
- FH = Frame 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.

(1) Maximum performance when glazed with the appropriate glass thickness.  
To convert areas to square meters (m<sup>2</sup>), multiply square feet by 0.0929.



East Region Only



# Encompass by Pella® Fixed Frame Window

## Design Data

### Fixed Units to Match Double-Hung

#### Fixed 3-1/4" New Construction Frame - East Region

Call Out	Frame (Inches)		Visible Glass Ft <sup>2</sup>	Standard Glass Thickness (mm)		Performance Class & Grade <sup>1</sup>
	Width	Height		Annealed	Tempered	
4-0/3-0	47-1/2	35-1/2	8.9	2.5	3	R35
4-0/3-2	47-1/2	37-1/2	9.5	2.5	3	R35
4-0/3-6	47-1/2	41-1/2	10.7	2.5	3	R35
4-0/3-10	47-1/2	45-1/2	11.9	2.5	3	R35
4-0/4-0	47-1/2	47-1/2	12.5	3	3	R35
4-0/4-4	47-1/2	51-1/2	13.6	3	3	R35
4-0/4-6	47-1/2	53-1/2	14.2	3	3	R35
4-0/5-0	47-1/2	59-1/2	16.0	3	3	R35
4-0/5-2	47-1/2	61-1/2	16.6	3	3	R35
4-0/5-6	47-1/2	65-1/2	17.8	3	3	R35
4-0/6-0	47-1/2	71-1/2	19.5	3	3	R35
4-6/3-0	53-1/2	35-1/2	10.2	2.5	3	R35
4-6/3-2	53-1/2	37-1/2	10.9	2.5	3	R35
4-6/3-6	53-1/2	41-1/2	12.2	3	3	R35
4-6/3-10	53-1/2	45-1/2	13.6	3	3	R35
4-6/4-0	53-1/2	47-1/2	14.2	3	3	R35
4-6/4-4	53-1/2	51-1/2	15.6	3	3	R35
4-6/4-6	53-1/2	53-1/2	16.3	3	3	R35
4-6/5-0	53-1/2	59-1/2	18.3	3	3	R35
4-6/5-2	53-1/2	61-1/2	18.9	3	3	R35
4-6/5-6	53-1/2	65-1/2	20.3	3	3	R35
4-6/6-0	53-1/2	71-1/2	22.3	5	5	R35
5-0/3-0	59-1/2	35-1/2	11.5	2.5	3	R35
5-0/3-2	59-1/2	37-1/2	12.2	3	3	R35
5-0/3-6	59-1/2	41-1/2	13.7	3	3	R35
5-0/3-10	59-1/2	45-1/2	15.2	3	3	R35
5-0/4-0	59-1/2	47-1/2	16.0	3	3	R35
5-0/4-4	59-1/2	51-1/2	17.5	3	3	R35
5-0/4-6	59-1/2	53-1/2	18.3	3	3	R35
5-0/5-0	59-1/2	59-1/2	20.5	3	3	R35
5-0/5-2	59-1/2	61-1/2	21.3	3	3	R35
5-0/5-6	59-1/2	65-1/2	22.8	5	5	R35
5-0/6-0	59-1/2	71-1/2	25.1	5	5	R35

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 (m<sup>2</sup>), multiply square feet by 0.0929.



East Region Only



# Encompass by Pella® Fixed Frame Window

## Detailed Product Description

### East Region

#### Frame

- Overall frame depth is [3-1/4" new construction frame with integral fin] [2-11/16" [new construction frame [with integral nailing fin] [with integral nailing fin and J-channel]]] [2-11/16" replacement frame] [with integral flush flange (Florida region only)] [3-1/4" replacement frame].
- Frame members are extruded, rigid uPVC.
- Frame members are mitered and heat-fused to provide a fully welded corner assembly.

#### Glazing System

- Quality float glass complying with ASTM C1036
- Exterior face glazed 3/4" sealed insulating glass.
- [Clear] [[Advanced] [SunDefense™] [SunDefense+] [NaturalSun] [NaturalSun+] Low-E [with argon]] [Standard Obscure.] [Tempered].

#### 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).

#### Optional Products

- Grilles-Between-the-Glass
  - Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass.
  - Grilles match color of frame.
- Factory applied primed wood jamb extension for [4-9/16"] [6-9/16"] wall depth available on fin frames.

### West Region

#### Frame

- Overall frame depth is [2-11/16" replacement frame] [2-11/16" new construction frame with integral fin] [2-11/16" replacement frame with integral flush flange].
- Frame members are extruded, rigid uPVC.
- Frame members shall be mitered and electrically heat fused to provide a fully welded corner assembly.

#### Glazing System

- Quality float glass complying with ASTM C1036
- Exterior face glazed 3/4" sealed insulating glass.
- [Clear] [[Advanced] [SunDefense™] [SunDefense+] [NaturalSun] [NaturalSun+] [Advanced Comfort] Low-E [with argon]] [Standard Obscure, [Rain]] [Tempered] [High Altitude [with argon]].

#### 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.
- West Region Finish color [White (all frame types)] [[Almond] [Fossil] (Nail Fin frame only)].

#### Optional Products

- Grilles-Between-the-Glass
  - Insulating glass contains [5/8" flat] [3/4" contour] aluminum grilles permanently installed between two panes of glass.
  - Grilles match color of frame.



East Region Only



West Region Only

(1) Obscure glass not available with SunDefense+ or NaturalSun+ Low-E IG.

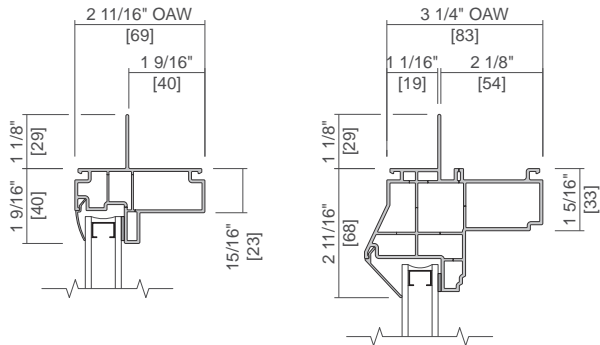


# Encompass by Pella® Fixed Frame Window

## Unit Sections - Frame Types

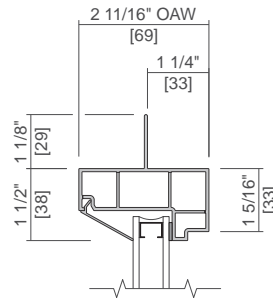
### EAST REGION - NEW CONSTRUCTION FRAME

Standard Nail Fin

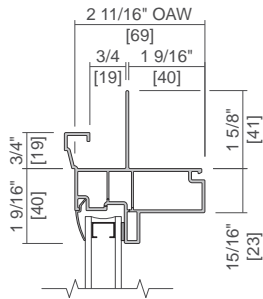


### WEST REGION - NEW CONSTRUCTION FRAME

Standard Nail Fin

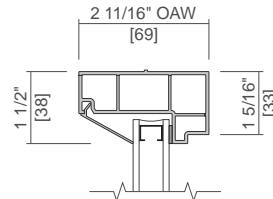


Standard Nail Fin with J-Channel

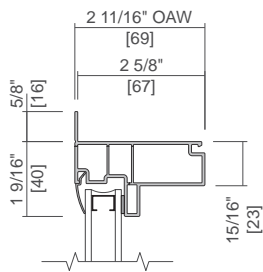


### WEST REGION - REPLACEMENT FRAME

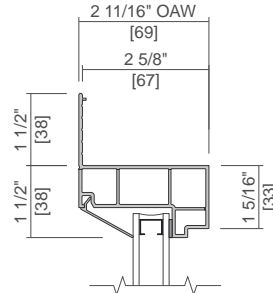
Standard Block Frame



5/8\"/>

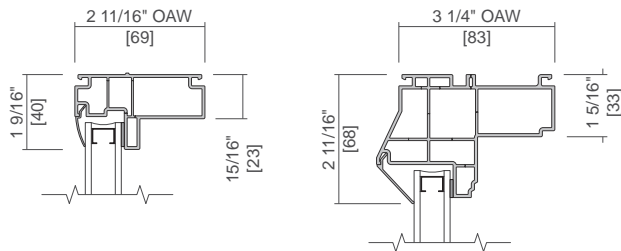


Flush Flange



### EAST REGION - REPLACEMENT FRAME

Standard Block Frame



Double-Wall Flush Flange

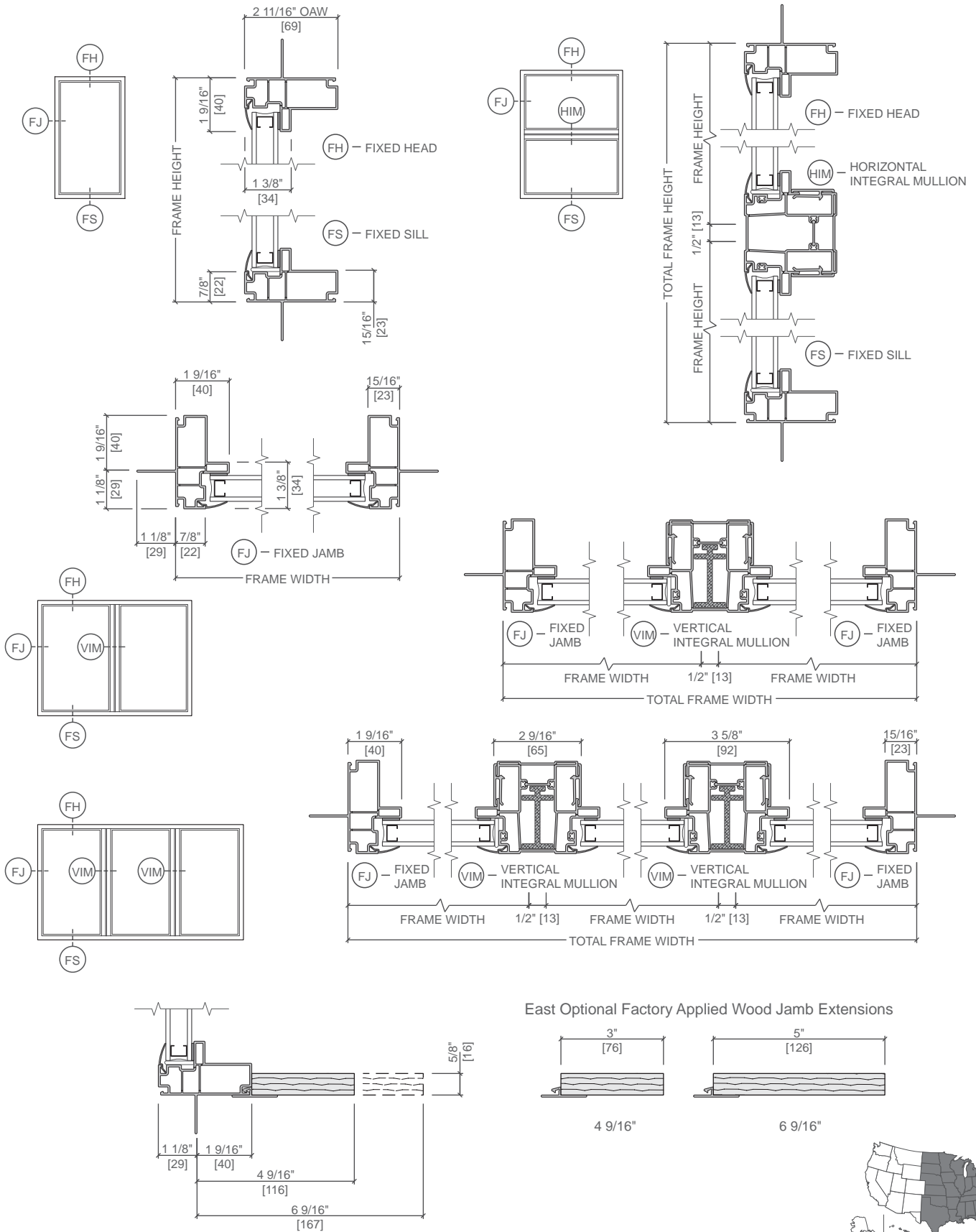
Scale 3" = 1' 0"  
All dimensions are approximate.





# Encompass by Pella® Fixed Frame Window

## Unit Sections 2-11/16" New Construction Frame - East Region



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

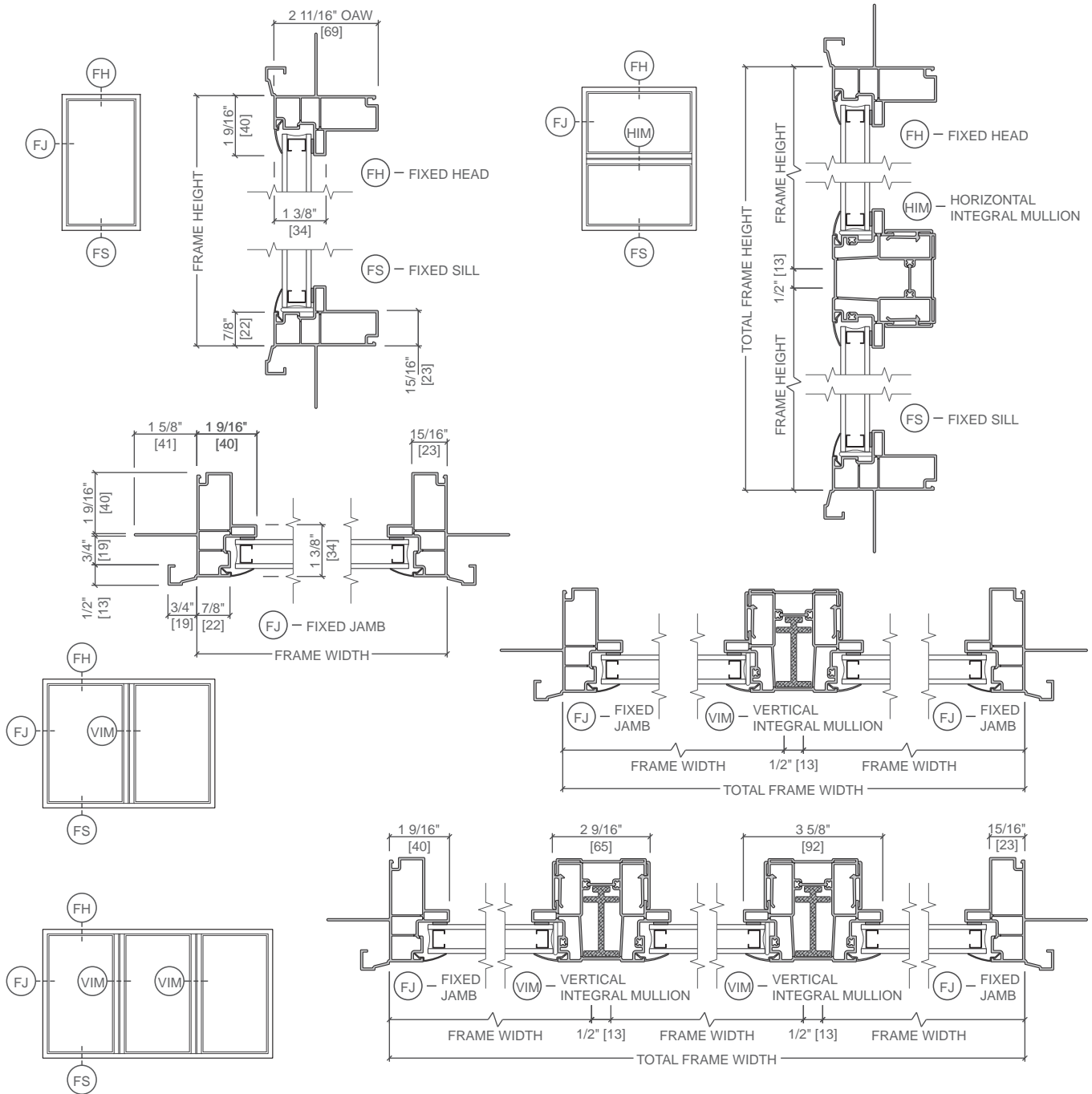


East Region Only



# Encompass by Pella® Fixed Frame Window

## Unit Sections 2-11/16" New Construction Frame with J-Channel - East Region



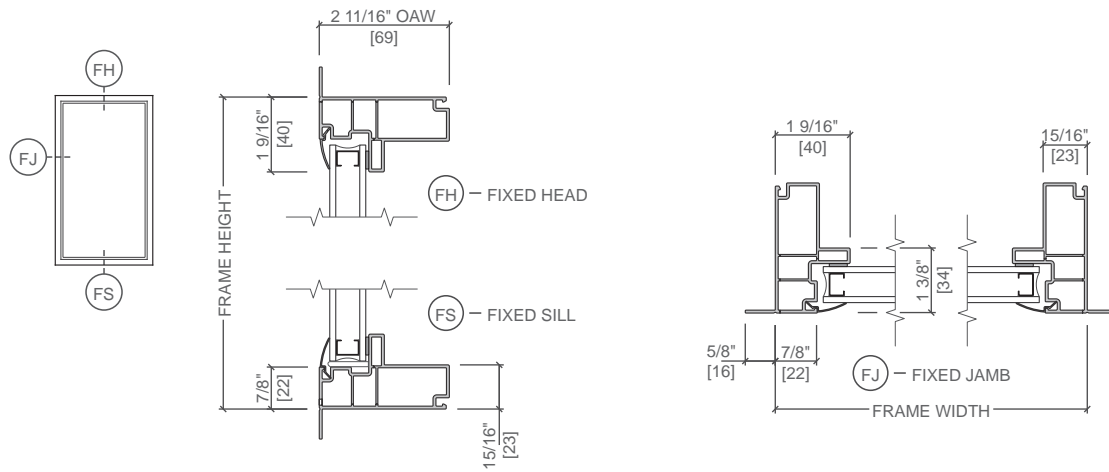
East Region Only

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



# Encompass by Pella® Fixed Frame Window

## Unit Sections 2-11/16" Flush Flange Frame - Florida Region Only



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

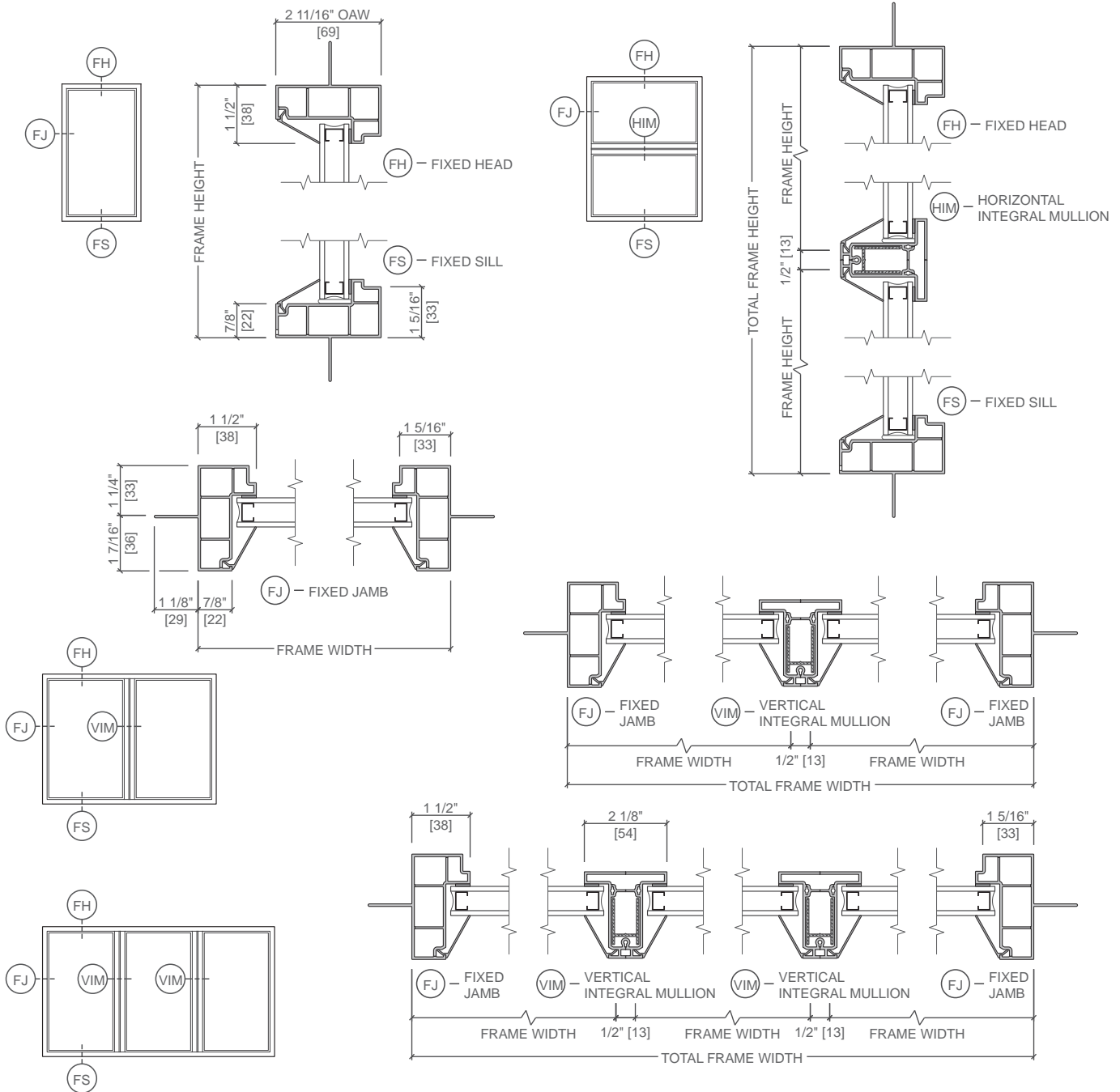


Florida Region Only



# Encompass by Pella® Fixed Frame Window

## Unit Sections 2-11/16" New Construction Frame - West Region



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

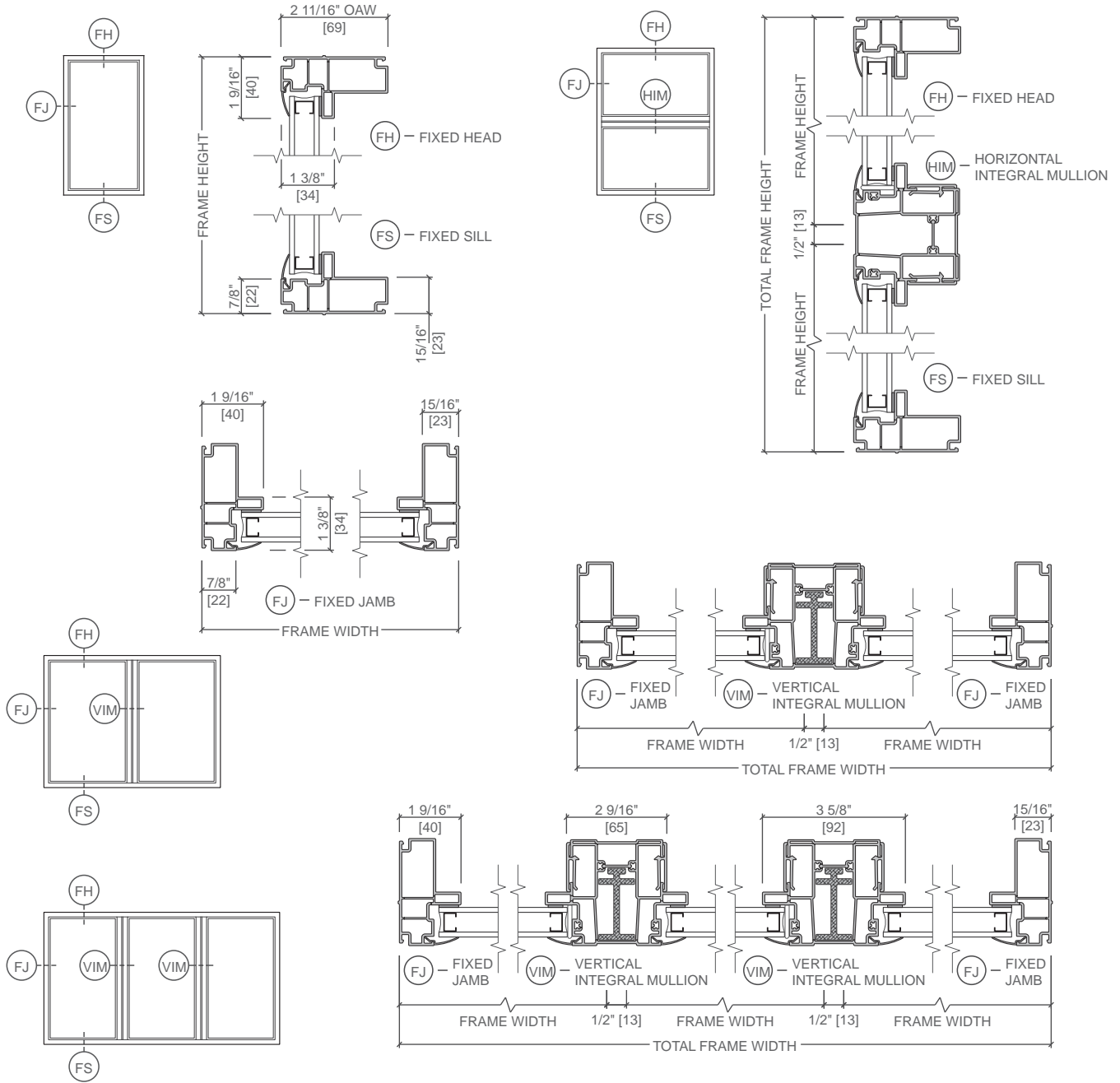


West Region Only



# Encompass by Pella® Fixed Frame Window

## Unit Sections 2-11/16" Replacement Frame - East Region



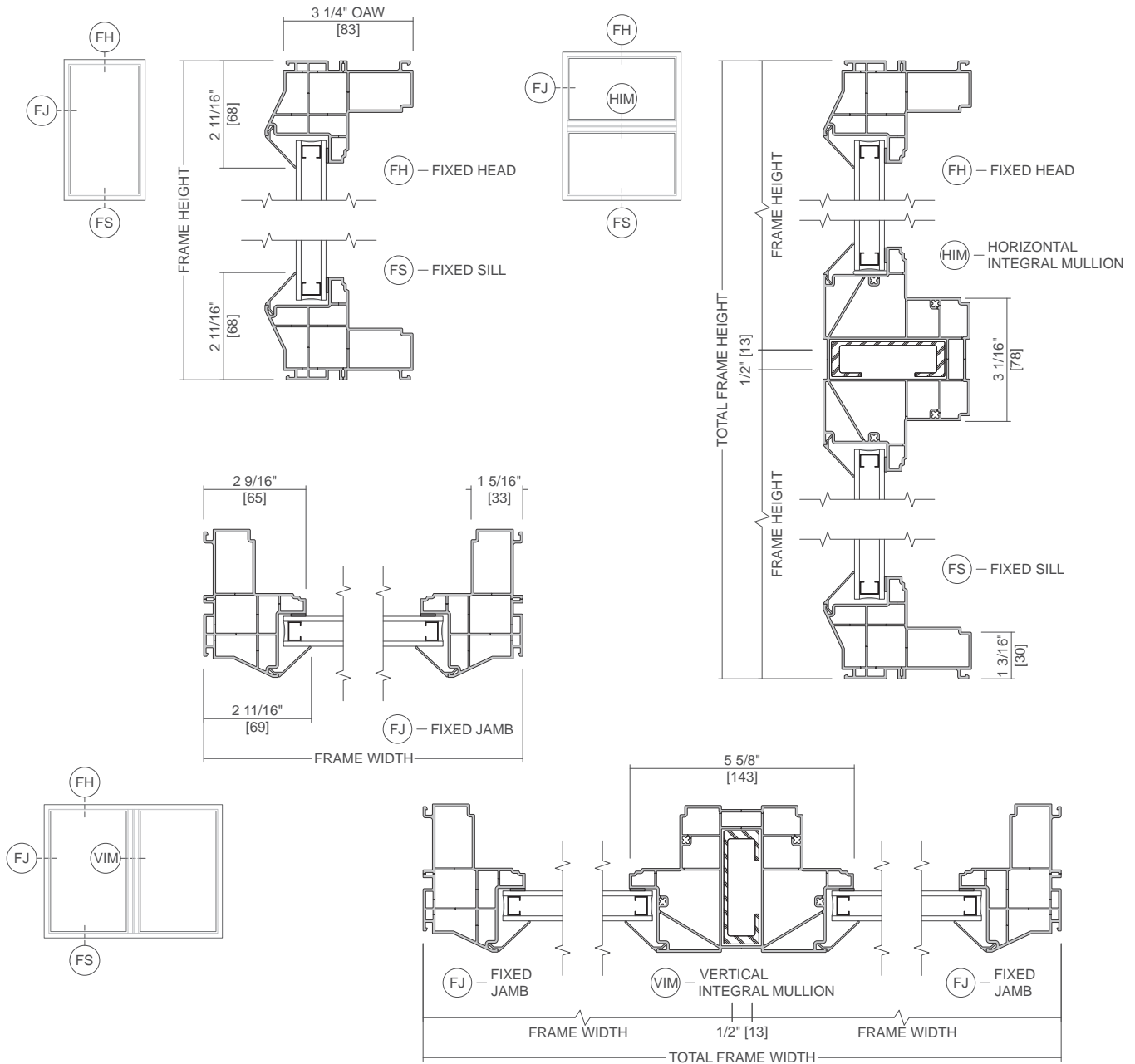
East Region Only

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



# Encompass by Pella® Fixed Frame Window

## Unit Sections 3-1/4" Replacement Frame - East Region



East Region Only

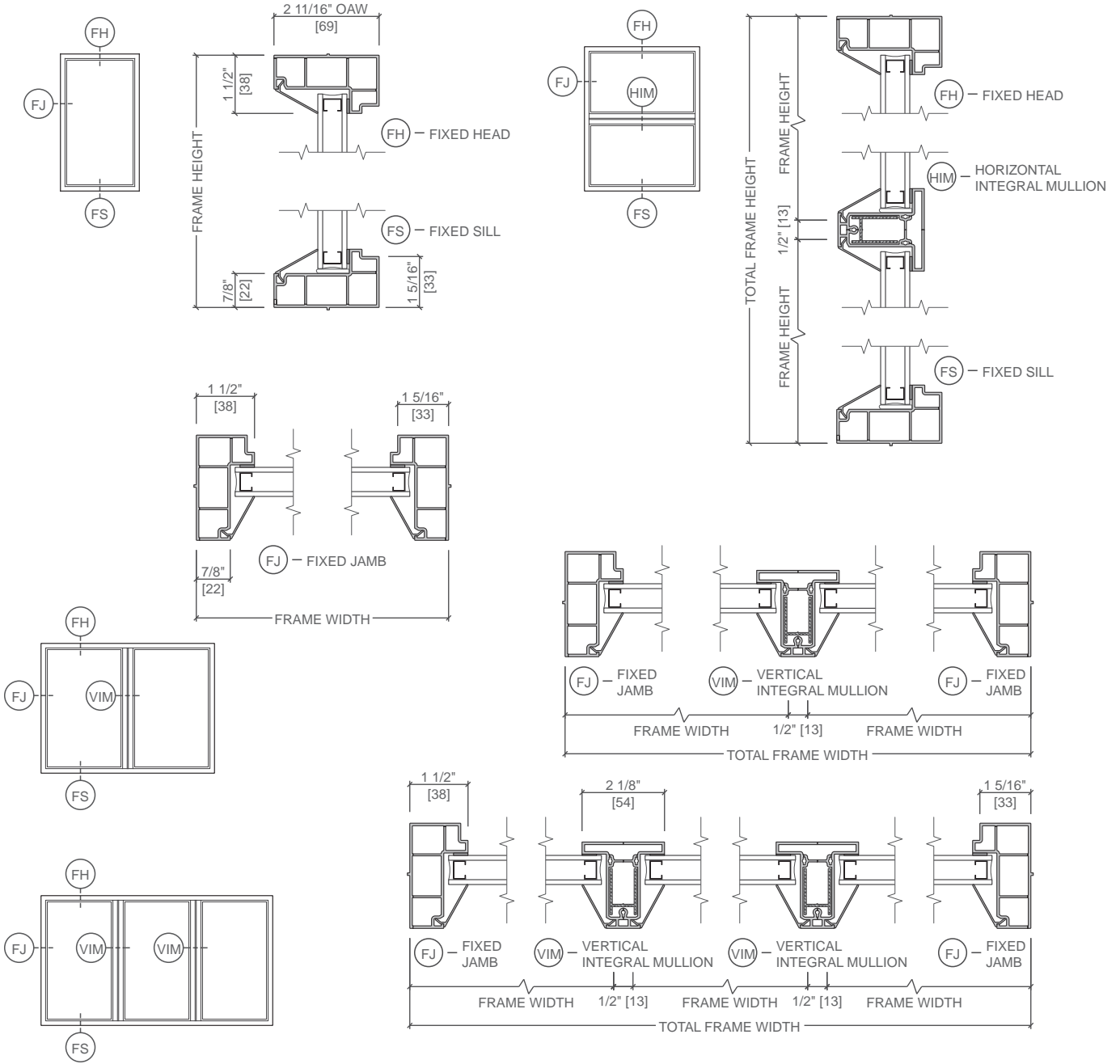
Scale 3" = 1' 0"

All dimensions are approximate.



# Encompass by Pella® Fixed Frame Window

## Unit Sections 2-11/16" Replacement Frame - West Region



West Region Only

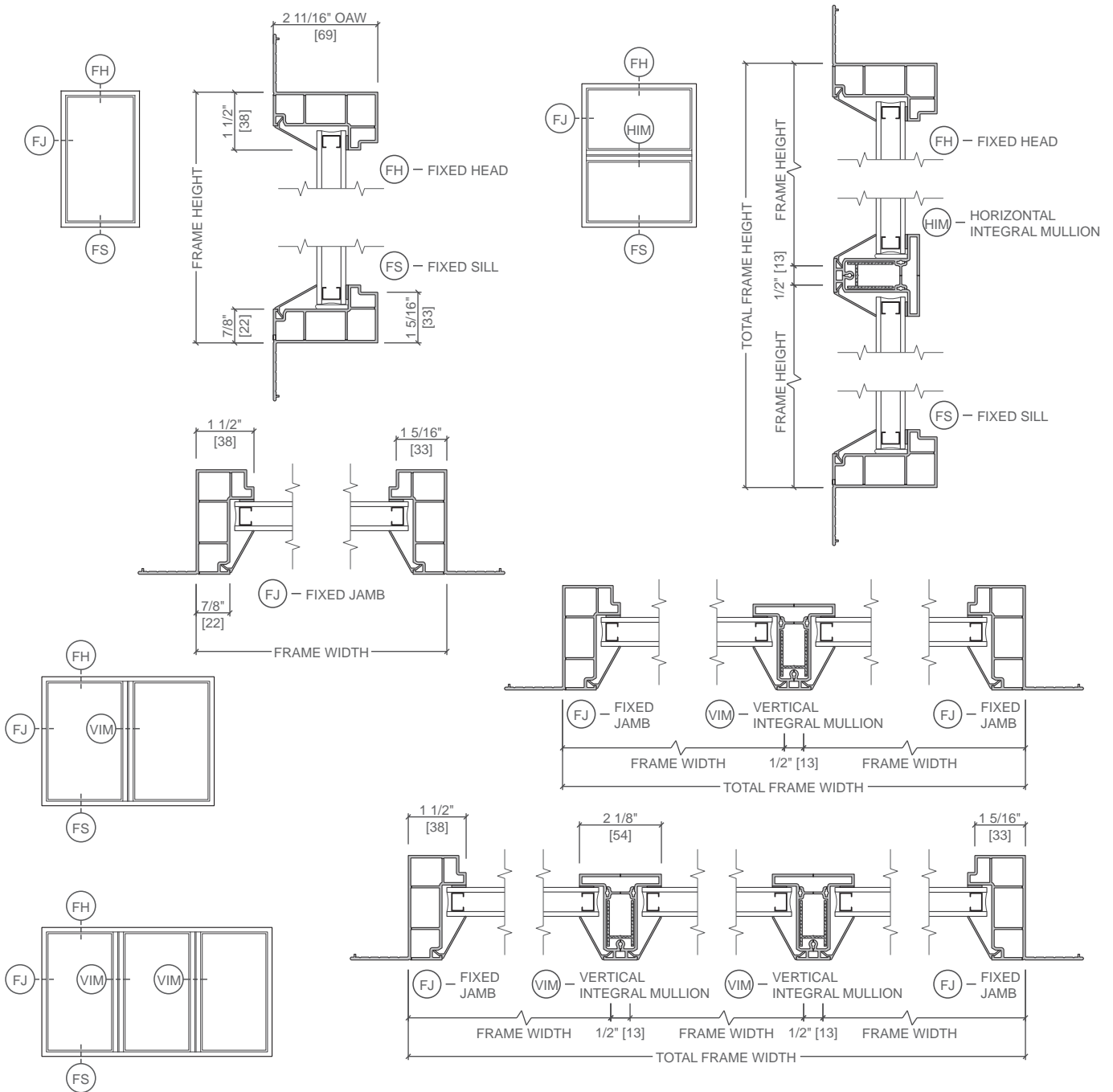
Scale 3" = 1' 0"

All dimensions are approximate.



# Encompass by Pella® Fixed Frame Window

## Unit Sections 2-11/16" Replacement Flush Flange Frame - West Region



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



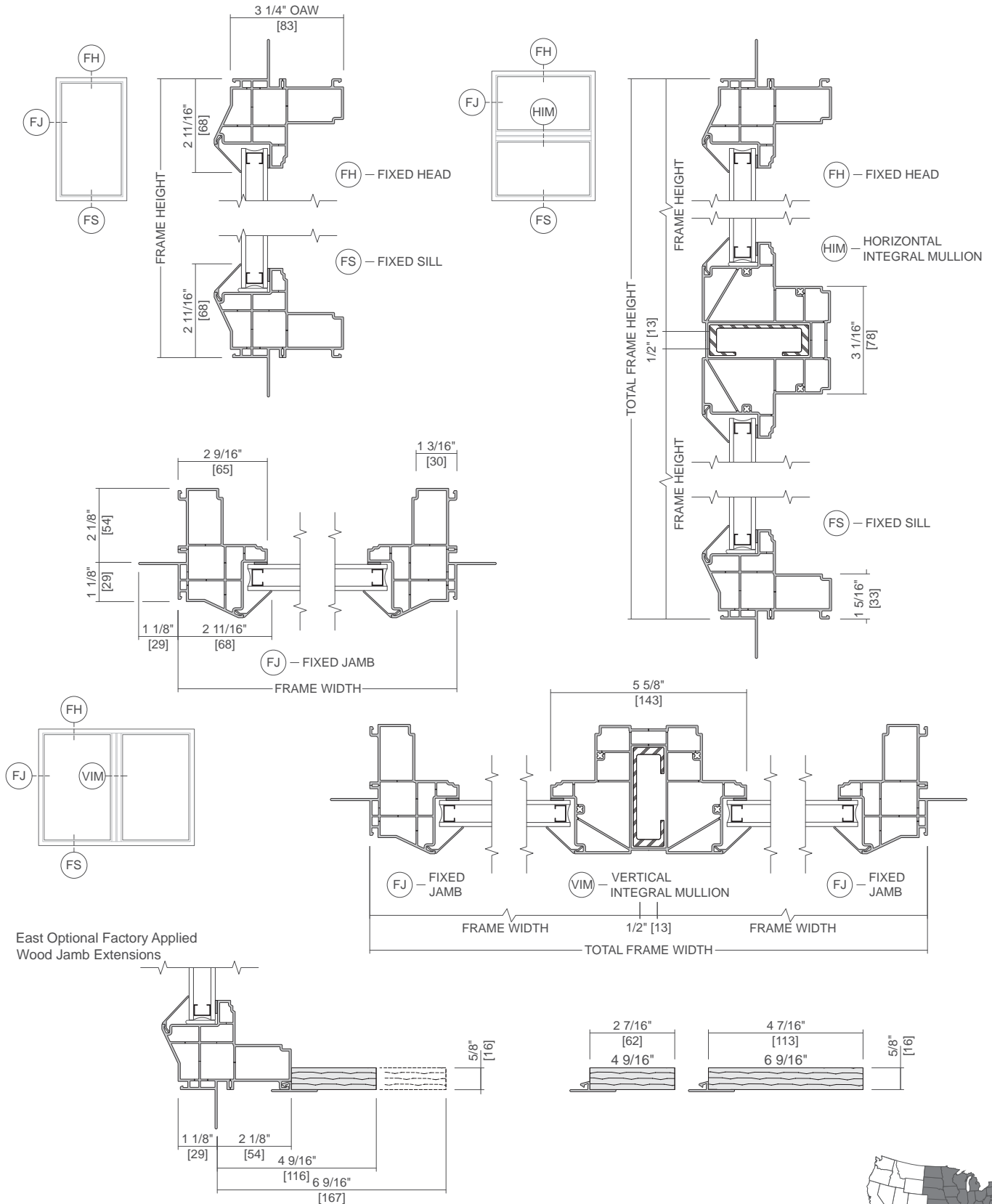
West Region Only





# Encompass by Pella® Fixed Frame Window

## Unit Sections 3-1/4" New Construction Frame - East Region



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



East Region Only