



Product Selection Guide

Size and Performance Data	SW-2
Sound Transmission Class	SW-2
Features and Options	SW-3

Glazing Performance

3/4" Dual-Pane Glazing	SW-4
1" Triple-Pane Glazing	SW-5

Grille Types	SW-6
--------------------	------

Size Tables	SW-7
-------------------	------

Special Sizes and Dimensions	SW-10
------------------------------------	-------

Design Data	SW-11
-------------------	-------

Detailed Product Description	SW-13
------------------------------------	-------

Unit Sections

Optional Foam Insulation	SW-14
Frame Types	SW-15
Nail Fin Two-Panel (OX / XO)	SW-16
Nail Fin Three-Panel (OXO)	SW-17
Block Frame Two-Panel (OX / XO)	SW-18
Nail Fin with Flat Casing	SW-19

Document Navigation Tips:

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

The Pella logo on each page is a link back to this table of contents.

Bookmarks are also included in this PDF document and are available as an additional navigation option.

Supporting documents for this product:

Test Reports:

https://media.pella.com/professional/adm/CertificationReports/Test_Reports_Vinyl-250.pdf?utm_source=pdfdoc

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

https://media.pella.com/professional/adm/Vinyl250-CSI_Specs/08_53_13_SW-250.rtf?utm_source=pdfdoc

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

https://media.pella.com/professional/adm/Vinyl250/V_250SW_DPD.rtf?utm_source=pdfdoc

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

https://media.pella.com/professional/adm/Vinyl250/V250-SW-Elev_D.dwg?utm_source=pdfdoc

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

https://media.pella.com/professional/adm/Vinyl250/V250-Sliding%20Wdw-Details_D.dwg?utm_source=pdfdoc

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

https://media.pella.com/professional/adm/RevitFiles/250-Revit/Window-Sliding-Pella-250.zip?utm_source=pdfdoc

Sketchup (requires appropriate software to read and use):

https://media.pella.com/professional/adm/Vinyl250/PellaSKP_250Series_Sliding_Window.zip?utm_source=pdfdoc

Combination Recommendations:

https://media.pella.com/professional/adm/Vinyl250/V250_Combo.pdf?utm_source=pdfdoc

Installation Details:

https://media.pella.com/professional/adm/Vinyl250/V250-InstallDetails.pdf?utm_source=pdfdoc

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250 Series Sliding Window

Performance Data

Sizes	
Standard Sizes	S
Special Sizes Available Built on 1/8" Increments	O
Frames	
Nail Fin Only	O
Nail Fin with J-Channel	O
Nail Fin with Flat Casing (Northeast region only)	O
3-1/4" Block/ Replacement	S
Double Wall Flush Flange (West Region Only)	O
Integral 5/8" Flange	O
Performance ₁	
Standard Performance	
Meets or Exceeds AAMA/WDMA Ratings	R-PG25 — R-PG35 AAMA Certified
Air Infiltration (cfm/ft ² of frame @ 1.57 psf wind pressure.) ₂	0.13
Design Pressure	25 — 35 psf
Water Penetration Resistance	3.76 — 5.43 psf
Performance Upgrade	
Meets or Exceeds AAMA/WDMA Ratings	R-PG50 AAMA Certified
Air Infiltration (cfm/ft ² of frame @ 1.57 psf wind pressure.) ₂	0.13
Design Pressure	50 psf
Water Penetration Resistance	7.52 psf
Nail Fin with Flat Casing (Northeast Region Only)	
Meets or Exceeds AAMA/WDMA Ratings	R-PG15 — R-PG35 AAMA Certified
Air Infiltration (cfm/ft ² of frame @ 1.57 psf wind pressure.) ₂	0.13
Design Pressure	15 psf
Water Penetration Resistance	5.43 psf
Other Performance Criteria	
Forced Entry Resistance (Minimum Security Grade) ₃	10
Operating Force (lb) Initiate Motion / Maintain Motion (of AAMA tested size and glazing) ₄	35

Sound Transmission Class and Outdoor-Indoor Transmission Class

Frame Size Tested ₅	Glazing System				STC Rating	OITC Rating
	Overall Glazing Thickness	Exterior Glass Thickness	Interior Glass Thickness	Third Pane Thickness		
Sliding Window – Dual-Pane Insulating Glass						
60" x 48"	11/16"	2.2mm	2.2mm	—	25	22
Sliding Window – Triple-Pane Insulating Glass						
60" x 48"	1"	3mm	3mm	3mm	28	23

S = Standard; O = Optional, (—) = 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. Performance with additional options may not be the same as Standard and Special size units. Please contact your local Pella representative for complete information.

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

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

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

(5) ASTM E 1425 defines standard sizes for acoustical testing. Ratings achieved at that size are representative of all sizes of the same configuration. The presence of low-e or argon have negligible effect on sound attenuation characteristics.



250 Series Sliding Window

Features and Options

	Sliding Window
Glazing (Insulating Glass)	
Glazing Type	
Dual-pane insulating glass	S
Triple-pane insulating glass	O
Insulated Glass Options / Low-E Types	
Advanced Low-E	S
NaturalSun Low-E	O
NaturalSun+ Low-E ₁	O
SunDefense™ Low-E ₁	O
SunDefense+ Low-E ₁	O
Additional Glazing Options	
Annealed glass	S
Tempered glass	O
Bronze-tinted Advanced Low-E ₁	O
Obscure glass ₂	O
Gas Fill / High Altitude	
Argon	S
High altitude	O
High altitude with argon ₁	O
Sash	
Foam Insulation	O
Performance Upgrade	O
Interior / exterior color	
White Interior/White Exterior	S
Almond Interior/Almond Exterior	O
Fossil Interior/Fossil Exterior	O
White Interior/Brown Exterior ₃	O
White Interior/Black Exterior ₃	O

	Sliding Window
Hardware	
Color matched hardware	S
Sash locks	
Standard Cam Lock	S
Autolock	O
Screens	
InView™ flat screen	S
Hidden screen	O
Grilles	
Grilles-Between-the-Glass₃	
3/4" contour	O
5/8" flat	O
Grille Patterns: Traditional, Prairie, Top Row, Custom - Equally Divided	O

S = Standard; O = Optional

(1) Not available with triple-pane glazing.

(2) Contact your local Pella sales representative for current offering.

(3) Not available at launch for Nail Fin with flat casing option, contact your local Pella sales representative for current offering.



250 Series Sliding Window

Glazing Performance - Total Unit

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂	
										Zone				ER	Zone
Vent — Dual-Pane										N	NC	SC	S	CA	
3/4"	Advanced Low-E IG	PEL-A-292-00182-00006	3	3	air	0.31	0.29	0.55	55						
	with SDL or grilles-between-the-glass	PEL-A-292-00182-00007				0.31	0.26	0.49	55						
3/4"	Advanced Low-E IG	PEL-A-292-00185-00006	3	3	argon	0.28	0.29	0.55	58						
	with SDL or grilles-between-the-glass	PEL-A-292-00185-00007				0.28	0.26	0.49	58						
3/4"	NaturalSun Low-E IG	PEL-A-292-00181-00006	3	3	air	0.32	0.51	0.62	54						
	with SDL or grilles-between-the-glass	PEL-A-292-00181-00007				0.32	0.46	0.55	54						
3/4"	NaturalSun Low-E IG	PEL-A-292-00184-00006	3	3	argon	0.29	0.51	0.62	58						
	with SDL or grilles-between-the-glass	PEL-A-292-00184-00007				0.29	0.46	0.55	58						
3/4"	NaturalSun+ Low-E IG	PEL-A-292-00243-00001	3	3	argon	0.25	0.49	0.61	45	N				37	CA
	with SDL or grilles-between-the-glass	PEL-A-292-00243-00002				0.25	0.44	0.54	45	N				34	CA
3/4"	SunDefense™ Low-E IG	PEL-A-292-00183-00006	3	3	air	0.31	0.22	0.51	55				S		
	with SDL or grilles-between-the-glass	PEL-A-292-00183-00007				0.31	0.20	0.45	55				S		
3/4"	SunDefense Low-E IG	PEL-A-292-00186-00006	3	3	argon	0.27	0.22	0.51	59			SC	S		
	with SDL or grilles-between-the-glass	PEL-A-292-00186-00007				0.27	0.20	0.45	59			SC	S		
3/4"	SunDefense+ Low-E IG	PEL-A-292-00244-00001	3	3	argon	0.24	0.21	0.50	47		NC	SC	S		
	with SDL or grilles-between-the-glass	PEL-A-292-00244-00002				0.24	0.19	0.44	47		NC	SC	S		
Vent — with Foam Insulation															
3/4"	Advanced Low-E IG	PEL-A-292-00122-00006	3	3	air	0.31	0.29	0.55	55						
	with SDL or grilles-between-the-glass	PEL-A-292-00122-00007				0.31	0.26	0.49	55						
3/4"	Advanced Low-E IG	PEL-A-292-00125-00006	3	3	argon	0.27	0.29	0.55	59						
	with SDL or grilles-between-the-glass	PEL-A-292-00125-00007				0.27	0.26	0.49	59						
3/4"	NaturalSun Low-E IG	PEL-A-292-00121-00006	3	3	air	0.31	0.51	0.62	54						
	with SDL or grilles-between-the-glass	PEL-A-292-00121-00007				0.31	0.46	0.55	54						
3/4"	NaturalSun Low-E IG	PEL-A-292-00124-00006	3	3	argon	0.28	0.51	0.62	58						
	with SDL or grilles-between-the-glass	PEL-A-292-00124-00007				0.28	0.46	0.55	58						
3/4"	NaturalSun+ Low-E IG	PEL-A-292-00257-00001	3	3	argon	0.24	0.49	0.61	45	N				38	CA
	with SDL or grilles-between-the-glass	PEL-A-292-00257-00002				0.24	0.44	0.54	45	N				35	CA
3/4"	SunDefense™ Low-E IG	PEL-A-292-00123-00006	3	3	air	0.30	0.22	0.51	55				S		
	with SDL or grilles-between-the-glass	PEL-A-292-00123-00007				0.30	0.20	0.45	55				S		
3/4"	SunDefense Low-E IG	PEL-A-292-00126-00006	3	3	argon	0.27	0.22	0.51	59			SC	S		
	with SDL or grilles-between-the-glass	PEL-A-292-00126-00007				0.27	0.20	0.45	59			SC	S		
3/4"	SunDefense+ Low-E IG	PEL-A-292-00258-00001	3	3	argon	0.23	0.21	0.50	47		NC	SC	S		
	with SDL or grilles-between-the-glass	PEL-A-292-00258-00002				0.23	0.19	0.44	47		NC	SC	S		
Tinted Glazing															
3/4"	Bronze Advanced Low-E IG	PEL-A-292-00188-00001	3	3	argon	0.28	0.29	0.41	58						
	with SDL or grilles-between-the-glass	PEL-A-292-00188-00002				0.28	0.26	0.36	58						
Tinted Glazing — with Foam Insulation															
3/4"	Bronze Advanced Low-E IG	PEL-A-292-00128-00001	3	3	argon	0.27	0.29	0.41	59						
	with SDL or grilles-between-the-glass	PEL-A-292-00128-00002				0.27	0.26	0.36	59						

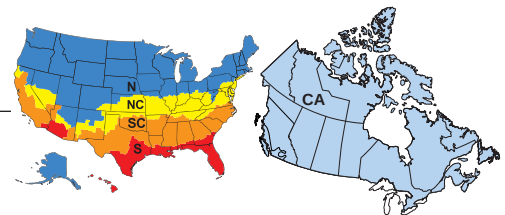
R-Value = 1/U-Factor
 SHGC = Solar Heat Gain Coefficient
 VLT % = Visible Light Transmission
 CR = Condensation Resistance
 ER = Canadian Energy Rating

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

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

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

Visit www.energystar.gov for Energy Star guidelines.





250 Series Sliding Window

Glazing Performance - Total Unit

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)			Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Middle	Int.		U-Factor	SHGC	VLT	CR	U. S.			Canada ₂		
											Zone			ER	Zone	
Vent — Triple-Pane											N	NC	SC	S	CA	
1"	Advanced Low-E Triple-pane IG	PEL-A-292-00223-00001	3	3	3	air	0.25	0.25	0.43	63		NC				
	with Grilles-between-the-glass	PEL-A-292-00224-00001					0.25	0.22	0.38	63		NC	SC	S		
1"	Advanced Low-E Triple-pane IG	PEL-A-292-00227-00001	3	3	3	argon	0.21	0.25	0.43	66	N	NC			27	CA
	with Grilles-between-the-glass	PEL-A-292-00228-00001					0.22	0.22	0.38	66	N	NC	SC	S		
1"	NaturalSun Low-E Triple-pane IG	PEL-A-292-00221-00001	3	3	3	air	0.25	0.44	0.55	62	N					
	with Grilles-between-the-glass	PEL-A-292-00222-00001					0.26	0.40	0.49	62	N					
1"	NaturalSun Low-E Triple-pane IG	PEL-A-292-00225-00001	3	3	3	argon	0.22	0.44	0.55	65	N				37	CA
	with Grilles-between-the-glass	PEL-A-292-00226-00001					0.22	0.40	0.49	65	N	NC			35	CA
Vent — with Foam Insulation																
1"	Advanced Low-E Triple-pane IG	PEL-A-292-00163-00001	3	3	3	air	0.24	0.25	0.43	63		NC				
	with Grilles-between-the-glass	PEL-A-292-00164-00001					0.25	0.22	0.38	63		NC	SC	S		
1"	Advanced Low-E Triple-pane IG	PEL-A-292-00167-00001	3	3	3	argon	0.20	0.25	0.43	66	N	NC			28	CA
	with Grilles-between-the-glass	PEL-A-292-00168-00001					0.21	0.22	0.38	66	N	NC	SC	S	25	CA
1"	NaturalSun Low-E Triple-pane IG	PEL-A-292-00161-00001	3	3	3	air	0.25	0.44	0.55	62	N					
	with Grilles-between-the-glass	PEL-A-292-00162-00001					0.25	0.40	0.49	62	N	NC				
1"	NaturalSun Low-E Triple-pane IG	PEL-A-292-00165-00001	3	3	3	argon	0.21	0.44	0.55	65	N				38	CA
	with Grilles-between-the-glass	PEL-A-292-00166-00001					0.21	0.40	0.49	65	N	NC			36	CA

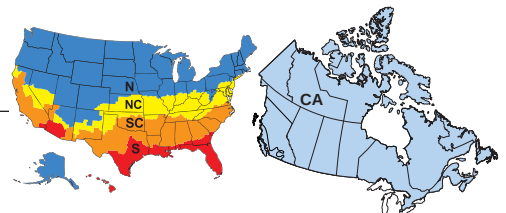
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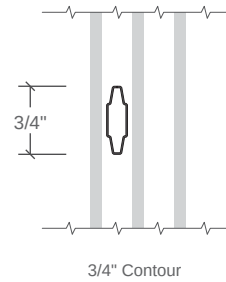
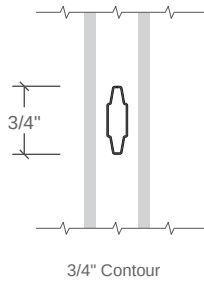
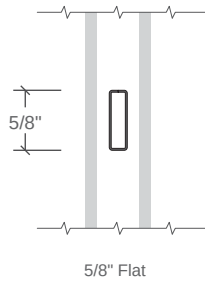




Grilles

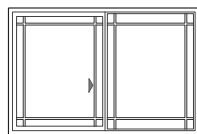
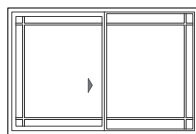
Grille Profiles

Grilles-Between-the-Glass



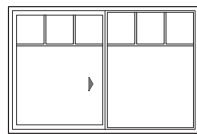
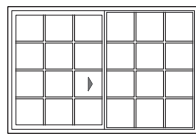
Grille Patterns

Prairie Lite Patterns

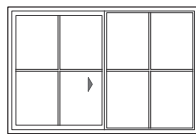


- Prairie**
- Approximately 4" from edge of sash to center of bar.
 - Minimum actual glass is 13".

Other Available Patterns



- Traditional**
- Specify number of lites.
 - Grille Bars (Grilles) must be equally divided on visible glass.
 - Minimum lite size = 6".



- Top Row**
- Top Row dimension must be $\leq 1/2$ actual glass.

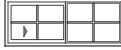
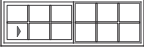
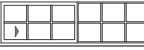
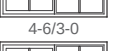
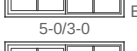
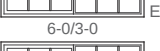
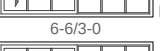
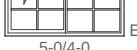
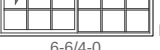
For traditional patterns, see size tables.



250 Series Sliding Window

Size Tables

Vent-Fixed Units (XO)

		(610) (597)	(914) (902)	(1 219) (1 207)	(1 372) (1 359)	(1 524) (1 511)	(1 829) (1 816)	(1 981) (1 969)
Opening		2' 0"	3' 0"	4' 0"	4' 6"	5' 0"	6' 0"	6' 6"
Frame		23 1/2"	35 1/2"	47 1/2"	53 1/2"	59 1/2"	71 1/2"	77 1/2"
(610) (597)	2' 0"	 2-0/2-0	 3-0/2-0	 4-0/2-0	 4-6/2-0	 5-0/2-0	 6-0/2-0	 6-6/2-0
(762) (749)	2' 6"	 2-0/2-6	 3-0/2-6	 4-0/2-6	 4-6/2-6	 5-0/2-6	 6-0/2-6 E ₁	 6-6/2-6 E
(914) (902)	3' 0"	 2-0/3-0	 3-0/3-0	 4-0/3-0	 4-6/3-0	 5-0/3-0 E ₁	 6-0/3-0 E	 6-6/3-0 E
(1 067) (1 054)	3' 6"		 3-0/3-6	 4-0/3-6	 4-6/3-6 E ₁	 5-0/3-6 E	 6-0/3-6 E	 6-6/3-6 E
(1 219) (1 207)	4' 0"		 3-0/4-0	 4-0/4-0	 4-6/4-0 E	 5-0/4-0 E	 6-0/4-0 E	 6-6/4-0 E
(1 372) (1 359)	4' 6"		 3-0/4-6	 4-0/4-6	 4-6/4-6 E	 5-0/4-6 E	 6-0/4-6 E	 6-6/4-6 E
(1 524) (1 511)	5' 0"		 3-0/5-0	 4-0/5-0	 4-6/5-0 E	 5-0/5-0 E	 6-0/5-0 E	 6-6/5-0 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.

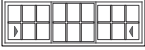
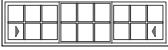
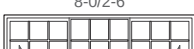
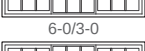
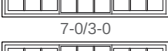
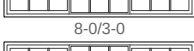
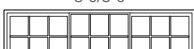
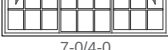
XO units shown also available as OX



250 Series Sliding Window

Size Tables - One-Third Vent

Vent-Fixed-Vent Units (XOX)

		(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"	 6-0/2-0	 7-0/2-0	 8-0/2-0
(762) (749)	2' 6"	 6-0/2-6	 7-0/2-6	 8-0/2-6
(914) (902)	3' 0"	 6-0/3-0	 7-0/3-0	 8-0/3-0 E
(1 067) (1 054)	3' 6"	 6-0/3-6	 7-0/3-6 E	 8-0/3-6 E
(1 219) (1 207)	4' 0"	 6-0/4-0	 7-0/4-0 E	 8-0/4-0 E
(1 372) (1 359)	4' 6"	 6-0/4-6	 7-0/4-6 E	 8-0/4-6 E
(1 524) (1 511)	5' 0"	 6-0/5-0	 7-0/5-0 E	 8-0/5-0 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.

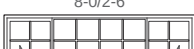
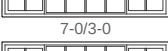
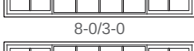
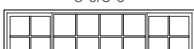
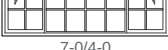
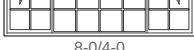
Not to scale.



250 Series Sliding Window

Size Tables - One-Quarter Vent

Vent-Fixed-Vent Units (XOX)

		(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"
2' 0"	(610) (597)	 6-0/2-0	 7-0/2-0	 8-0/2-0
2' 6"	(762) (749)	 6-0/2-6	 7-0/2-6	 8-0/2-6
3' 0"	(914) (902)	 6-0/3-0	 7-0/3-0	 8-0/3-0
3' 6"	(1 067) (1 054)	 6-0/3-6	 7-0/3-6	 8-0/3-6 E ₁
4' 0"	(1 219) (1 207)	 6-0/4-0	 7-0/4-0	 8-0/4-0 E
4' 6"	(1 372) (1 359)	 6-0/4-6	 7-0/4-6	 8-0/4-6 E
5' 0"	(1 524) (1 511)	 6-0/5-0	 7-0/5-0	 8-0/5-0 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



250 Series Sliding Window

Special Sizes and Dimensions

		EAST		WEST	
		Minimum	Maximum	Minimum	Maximum
XO or OX Units		21-1/2" W x 11-1/2" H (546 x 292)	96" W x 72" H (2 438 x 1 829)	21-1/2" W x 11-1/2" H (546 x 292)	96" W x 72" H (2 438 x 1 829)
Fixed Over XO or OX Units		21-1/2" W x 23-1/2" H (546 x 597)	96" W x 95-1/2" H (2 438 x 2 426)	21-1/2" W x 23-1/2" H (546 x 597)	96" W x 95-1/2" H (2 438 x 2 426)
XOX units		47-1/2" W x 11-1/2" H (1 207 x 292)	108" W x 72" H (2 743 x 1 829)	47-1/2" W x 11-1/2" H (1 207 x 292)	120" W x 72" H (3 048 x 1 829)
Fixed Over XOX units		47-1/2" W x 23-1/2" H (1 207 x 597)	108" W x 95-1/2" H (2 743 x 2 426)	47-1/2" W x 23-1/2" H (1 207 x 597)	120" W x 95-1/2" H (3 048 x 2 426)

Frame area cannot be greater than 40 Ft² on 2-panel dual pane annealed units or greater than 50 Ft² on 3-panel dual pane annealed units.

Sizes shown are for dual-pane 3mm annealed glass, other glass configurations affect maximum size available, contact your Pella sales representative for details.

General Notes:

XO/OX Units:

Rough Opening = Frame Dimension + 1/2"

Maximum Frame Height ≤ Frame Width x 1.75

Bronze glass is limited to 22 Ft² (glass size).

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

XOX Units:

Rough Opening = Frame Dimension + 1/2"

Sash split options are 1/4 width and 1/3 width of frame

1/4 Vent XOX Units: Max frame height ≤ frame width X 0.875

1/3 Vent XOX Units: Max frame height ≤ frame width X 1.167

Bronze glass is limited to 22 Ft² (glass size).

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

Miscellaneous Formulas

		Equal Vent (XO and OX)		Quarter Vent (XOX)		Third vent (XOX)	
		Vent	Fixed	Vent	Fixed	Vent	Fixed
Actual Glass	Height	FH - 5.37	FH - 3.25	FH - 5.37	FH - 3.25	FH - 5.37	FH - 3.25
	Width	(FW - 4.914) ÷ 2	(FW - 4.914) ÷ 2	(FW ÷ 4) - 2.582	(FW ÷ 2) - 1.414	(FW ÷ 3) - 2.539	(FW ÷ 3) - 1.5
Visible Glass	Height	FH - 6.37	FH - 4.25	FH - 6.37	FH - 4.25	FH - 6.37	FH - 4.25
	Width	AGW - 1	AGW - 1	AGW - 1	AGW - 1	AGW - 1	AGW - 1
Clear Opening ¹	Height	FH - 4.25		FH - 4.25		FH - 4.25	
	Width	(FW ÷ 2) - 4.958		(FW ÷ 4) - 2.813		(FW ÷ 3) - 4.9	

KEY:

AGWV = Actual Glass Width Vent

AGWF = Actual Glass Width Fixed

AGHV = Actual Glass Height Vent

AGHF = Actual Glass Height Fixed

VGHV = Visible Glass Height Vent

VGHF = Visible Glass Height Fixed

VGWV = Visible Glass Width Vent

VGWF = Visible Glass Width Fixed

(1) Calculated based on standard hardware.

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



250 Series Sliding Window

Design Data

1-Wide OX,XO Units - Equal Sash

Unit	Egress	Frame (Inches)		Clear Opening (Vent Units Only)			Visible Glass Ft²	Glass Thickness (mm)		Performance Class & Grade ₁	
		Width	Height	Width	Height	Ft²		Annealed	Tempered	Standard	Upgrade
2-0/2-0		23-1/2	23-1/2	6-13/16	19-1/4	0.9	2.1	2.5	3.0	R35	R50
2-0/2-6		23-1/2	29-1/2	6-13/16	25-1/4	1.1	2.8	2.5	3.0	R35	R50
2-0/3-0		23-1/2	35-1/2	6-13/16	31-1/4	1.4	3.5	2.5	3.0	R35	R50
3-0/2-0		35-1/2	23-1/2	12-13/16	19-1/4	1.7	3.6	2.5	3.0	R35	R50
3-0/2-6		35-1/2	29-1/2	12-13/16	25-1/4	2.2	4.8	2.5	3.0	R35	R50
3-0/3-0		35-1/2	35-1/2	12-13/16	31-1/4	2.7	6.0	2.5	3.0	R35	R50
3-0/3-6		35-1/2	41-1/2	12-13/16	37-1/4	3.3	7.2	2.5	3.0	R35	R50
3-0/4-0		35-1/2	47-1/2	12-13/16	43-1/4	3.8	8.4	2.5	3.0	R25	—
3-0/4-6		35-1/2	53-1/2	12-13/16	49-1/4	4.3	9.6	2.5	3.0	R25	—
3-0/5-0		35-1/2	59-1/2	12-13/16	55-1/4	4.9	10.8	2.5	3.0	R25	—
4-0/2-0		47-1/2	23-1/2	18-13/16	19-1/4	2.5	5.1	2.5	3.0	R35	R50
4-0/2-6		47-1/2	29-1/2	18-13/16	25-1/4	3.2	6.8	2.5	3.0	R35	R50
4-0/3-0		47-1/2	35-1/2	18-13/16	31-1/4	4.0	8.5	2.5	3.0	R35	R50
4-0/3-6		47-1/2	41-1/2	18-13/16	37-1/4	4.8	10.2	2.5	3.0	R35	R50
4-0/4-0		47-1/2	47-1/2	18-13/16	43-1/4	5.6	11.9	2.5	3.0	R25	—
4-0/4-6		47-1/2	53-1/2	18-13/16	49-1/4	6.4	13.6	2.5	3.0	R25	—
4-0/5-0		47-1/2	59-1/2	18-13/16	55-1/4	7.2	15.3	2.5	3.0	R25	—
4-6/2-0		53-1/2	23-1/2	21-13/16	19-1/4	2.9	5.9	2.5	3.0	R35	R50
4-6/2-6		53-1/2	29-1/2	21-13/16	25-1/4	3.8	7.8	2.5	3.0	R35	R50
4-6/3-0		53-1/2	35-1/2	21-13/16	31-1/4	4.7	9.8	2.5	3.0	R35	R50
4-6/3-6	E1	53-1/2	41-1/2	21-13/16	37-1/4	5.6	11.7	2.5	3.0	R35	R50
4-6/4-0	E	53-1/2	47-1/2	21-13/16	43-1/4	6.5	13.6	2.5	3.0	R25	—
4-6/4-6	E	53-1/2	53-1/2	21-13/16	49-1/4	7.4	15.6	2.5	3.0	R25	—
4-6/5-0	E	53-1/2	59-1/2	21-13/16	55-1/4	8.3	17.5	2.5	3.0	R25	—
5-0/2-0		59-1/2	23-1/2	24-13/16	19-1/4	3.3	6.6	2.5	3.0	R35	R50
5-0/2-6		59-1/2	29-1/2	24-13/16	25-1/4	4.3	8.8	2.5	3.0	R35	R50
5-0/3-0	E1	59-1/2	35-1/2	24-13/16	31-1/4	5.3	11.0	2.5	3.0	R35	R50
5-0/3-6	E	59-1/2	41-1/2	24-13/16	37-1/4	6.4	13.2	2.5	3.0	R35	R50
5-0/4-0	E	59-1/2	47-1/2	24-13/16	43-1/4	7.4	15.4	2.5	3.0	R25	—
5-0/4-6	E	59-1/2	53-1/2	24-13/16	49-1/4	8.4	17.6	2.5	3.0	R25	—
5-0/5-0	E	59-1/2	59-1/2	24-13/16	55-1/4	9.5	19.8	2.5	3.0	R25	—
6-0/2-0		71-1/2	23-1/2	30-13/16	19-1/4	4.1	8.2	2.5	3.0	R35	R50
6-0/2-6	E1	71-1/2	29-1/2	30-13/16	25-1/4	5.3	10.8	2.5	3.0	R35	R50
6-0/3-0	E	71-1/2	35-1/2	30-13/16	31-1/4	6.6	13.5	2.5	3.0	R35	R50
6-0/3-6	E	71-1/2	41-1/2	30-13/16	37-1/4	7.9	16.2	2.5	3.0	R35	R50
6-0/4-0	E	71-1/2	47-1/2	30-13/16	43-1/4	9.2	18.9	2.5	3.0	R25	—
6-0/4-6	E	71-1/2	53-1/2	30-13/16	49-1/4	10.5	21.6	2.5	3.0	R25	—
6-0/5-0	E	71-1/2	59-1/2	30-13/16	55-1/4	11.8	24.3	3.0	3.0	R25	—
6-6/2-0		77-1/2	23-1/2	33-13/16	19-1/4	4.5	8.9	2.5	3.0	R25	—
6-6/2-6	E	77-1/2	29-1/2	33-13/16	25-1/4	5.9	11.9	2.5	3.0	R25	—
6-6/3-0	E	77-1/2	35-1/2	33-13/16	31-1/4	7.3	14.8	2.5	3.0	R25	—
6-6/3-6	E	77-1/2	41-1/2	33-13/16	37-1/4	8.7	17.7	2.5	3.0	R25	—
6-6/4-0	E	77-1/2	47-1/2	33-13/16	43-1/4	10.1	20.7	2.5	3.0	R25	—
6-6/4-6	E	77-1/2	53-1/2	33-13/16	49-1/4	11.5	23.6	3.0	3.0	R25	—
6-6/5-0	E	77-1/2	59-1/2	33-13/16	55-1/4	12.9	26.6	3.0	3.0	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.

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

(—) = Not Available

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



250 Series Sliding Window

Design Data

XOX Sliding Window - One Third Vent

Unit	Egress	Frame (Inches)		Clear Opening (Vent Units Only)			Visible Glass Ft ²	Glass Thickness (mm)		Performance Class & Grade ¹	
		Width	Height	Width	Height	Ft ²		Annealed	Tempered	Standard	Upgrade
6-0/2-0		71-1/2	23-1/2	19	19-1/4	2.5	7.7	2.5	3.0	R35	R50
6-0/2-6		71-1/2	29-1/2	19	25-1/4	3.3	10.3	2.5	3.0	R35	R50
6-0/3-0		71-1/2	35-1/2	19	31-1/4	4.1	12.8	2.5	3.0	R35	R50
6-0/3-6		71-1/2	41-1/2	19	37-1/4	4.8	15.4	2.5	3.0	R35	R50
6-0/4-0		71-1/2	47-1/2	19	43-1/4	5.6	18.0	2.5	3.0	R25	—
6-0/4-6		71-1/2	53-1/2	19	49-1/4	6.4	20.6	2.5	3.0	R25	—
6-0/5-0		71-1/2	59-1/2	19	55-1/4	7.2	23.2	2.5	3.0	R25	—
7-0/2-0		83-1/2	23-1/2	23	19-1/4	3.0	9.2	2.5	3.0	R35	R50
7-0/2-6		83-1/2	29-1/2	23	25-1/4	4.0	12.2	2.5	3.0	R35	R50
7-0/3-0		83-1/2	35-1/2	23	31-1/4	4.9	15.3	2.5	3.0	R35	R50
7-0/3-6	E	83-1/2	41-1/2	23	37-1/4	5.9	18.4	2.5	3.0	R35	R50
7-0/4-0	E	83-1/2	47-1/2	23	43-1/4	6.8	21.5	2.5	3.0	R25	—
7-0/4-6	E	83-1/2	53-1/2	23	49-1/4	7.8	24.6	2.5	3.0	R25	—
7-0/5-0	E	83-1/2	59-1/2	23	55-1/4	8.7	27.6	2.5	3.0	R25	—
8-0/2-0		95-1/2	23-1/2	27	19-1/4	3.6	10.7	2.5	3.0	R35	R50
8-0/2-6		95-1/2	29-1/2	27	25-1/4	4.7	14.2	2.5	3.0	R35	R50
8-0/3-0	E	95-1/2	35-1/2	27	31-1/4	5.8	17.8	2.5	3.0	R35	R50
8-0/3-6	E	95-1/2	41-1/2	27	37-1/4	6.9	21.4	2.5	3.0	R35	R50
8-0/4-0	E	95-1/2	47-1/2	27	43-1/4	8.0	25.0	2.5	3.0	R25	—
8-0/4-6	E	95-1/2	53-1/2	27	49-1/4	9.2	28.6	2.5	3.0	R25	—
8-0/5-0	E	95-1/2	59-1/2	27	55-1/4	10.3	32.1	2.5	3.0	R25	—

XOX Sliding Window - Quarter Vent

6-0/2-0		71-1/2	23-1/2	15-1/16	19-1/4	2.0	7.9	2.5	3.0	R35	R50
6-0/2-6		71-1/2	29-1/2	15-1/16	25-1/4	2.6	10.4	2.5	3.0	R35	R50
6-0/3-0		71-1/2	35-1/2	15-1/16	31-1/4	3.2	13.0	2.5	3.0	R35	R50
6-0/3-6		71-1/2	41-1/2	15-1/16	37-1/4	3.8	15.6	2.5	3.0	R35	R50
6-0/4-0		71-1/2	47-1/2	15-1/16	43-1/4	4.5	18.2	2.5	3.0	R25	—
6-0/4-6		71-1/2	53-1/2	15-1/16	49-1/4	5.1	20.8	2.5	3.0	R25	—
6-0/5-0		71-1/2	59-1/2	15-1/16	55-1/4	5.7	23.3	3.0	3.0	R25	—
7-0/2-0		83-1/2	23-1/2	18-1/16	19-1/4	2.4	9.4	2.5	3.0	R35	R50
7-0/2-6		83-1/2	29-1/2	18-1/16	25-1/4	3.1	12.5	2.5	3.0	R35	R50
7-0/3-0		83-1/2	35-1/2	18-1/16	31-1/4	3.9	15.5	2.5	3.0	R35	R50
7-0/3-6		83-1/2	41-1/2	18-1/16	37-1/4	4.6	18.6	2.5	3.0	R35	R50
7-0/4-0		83-1/2	47-1/2	18-1/16	43-1/4	5.4	21.7	3.0	3.0	R25	—
7-0/4-6		83-1/2	53-1/2	18-1/16	49-1/4	6.1	24.8	3.0	3.0	R25	—
7-0/5-0		83-1/2	59-1/2	18-1/16	55-1/4	6.9	27.9	3.0	3.0	R25	—
8-0/2-0		95-1/2	23-1/2	21-1/16	19-1/4	2.8	10.9	2.5	3.0	R35	R50
8-0/2-6		95-1/2	29-1/2	21-1/16	25-1/4	3.6	14.5	2.5	3.0	R35	R50
8-0/3-0		95-1/2	35-1/2	21-1/16	31-1/4	4.5	18.0	2.5	3.0	R35	R50
8-0/3-6	E1	95-1/2	41-1/2	21-1/16	37-1/4	5.4	21.6	3.0	3.0	R35	R50
8-0/4-0	E	95-1/2	47-1/2	21-1/16	43-1/4	6.3	25.2	3.0	3.0	R25	—
8-0/4-6	E	95-1/2	53-1/2	21-1/16	49-1/4	7.2	28.8	3.0	3.0	R25	—
8-0/5-0	E	95-1/2	59-1/2	21-1/16	55-1/4	8.0	32.4	3.0	3.0	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.

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

(—) = Not Available

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



Detailed Product Description

Frame

- Overall frame depth: 3-1/4" on all frame types.
- Frame members are mitered and heat fused to provide a fully welded corner assembly. Sill is fitted with weeps.
- Frame: [1-1/8" setback nail fin for 2-1/8" wall depth] [nail fin with flat casing for 2-1/8" wall depth¹] [Block frame for 3-1/4" wall depth] [Double Wall Flush Flange for 3" wall depth] [Integral 5/8" flange for 3" wall depth].
- Interior and exterior frame surfaces are extruded rigid PVC.

Sash

- Sash members are extruded, rigid PVC [with optional foam insulation].
- Sash members are mitered and heat-fused to provide a fully welded corner assembly.
- Includes an integral extruded sash slide.
- Contains sealed insulating glass.

Weatherstripping

- Sash is weatherstripped around the sash perimeter with a fin-type, pile weatherstripping.

Glazing System

- Quality float glass complying with ASTM C 1036.
- Exterior face-glazed sealed insulating glass.
- Dual-Pane insulating glass [[annealed] [tempered]] [[Advanced] [NaturalSun] [SunDefense™] Low-E coated [with Argon]] [[NaturalSun+] [SunDefense+] Low-E with argon]] [Bronze, Advanced Low-E coated [with Argon]] [Obscure₃] [High Altitude₂].
-or-
- 1" Triple-Pane [[annealed] [tempered]] [[Advanced] [NaturalSun] Low-E coated [with Argon]] [Obscure₃] [High Altitude₂].

Interior / Exterior

- Window frame and sash members are [[White] [Almond] [Fossil] with integral color extruded throughout the profiles] [[Brown] [Black] laminate exterior, consisting of a solar reflective coating exceeding AAMA 307 test requirements, with White integral color extruded throughout the profiles on the interior].
- All exposed PVC surfaces are smooth, glossy and uniform in appearance.

Hardware

- Locks are factory-installed, zinc die cast, self aligning, [cam action locks] [autolocks] located on the checkrail.
- One sash lock is installed on units with frame heights less than 36". One or two sash locks may be chosen on units with frame heights greater than or equal to 36". Vents are equipped with two nylon roller housings containing two nylon rollers each.
- Hardware finish is [White] [Almond] [Fossil].

Screens

- Set in aluminum frame and fitted to exterior of window.
- Screen frame finish is baked enamel, color to match exterior
- Supplied complete with all necessary hardware.
- InView™ flat screen
 - Black vinyl coated 18/18 mesh fiberglass screen cloth complying with ASTM D 3656 and SMA 1201.
- or-
- Hidden screen (Available only to select markets/sales channels, contact your local sales representative for details).

Optional Products

Grilles

- Grilles-Between-the-Glass
 - [Dual-Pane Insulating glass contains [[3/4" contoured] [5/8" flat] aluminum grilles permanently installed between two panes of glass] [Triple-Pane Insulating glass contains 3/4" contoured aluminum grilles permanently installed between three panes of glass].
 - Patterns are [Traditional] [6-Lite Prairie] [9-Lite Prairie] [Top Row].
 - Interior grille color matches interior frame.
 - Exterior grille color [3/4" Grille is [White] [Almond₄] [Fossil₄] [Brown] [Black]] [5/8" Grille is [White] [Almond₄] [Fossil₄]].

Hardware

- Optional limited opening hardware available for vent units in [White] [Almond] [Fossil] extruded vinyl to match the unit; nominal 3-3/4" opening.
- 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.

(1) Flat casing availability is limited to Northeast region, not all color options available at launch. Contact your local sales representative for current offering.

(2) Dual-Pane IG High Altitude glazings are available with or without Argon. Triple-Pane IG High Altitude glazings are only available without Argon.

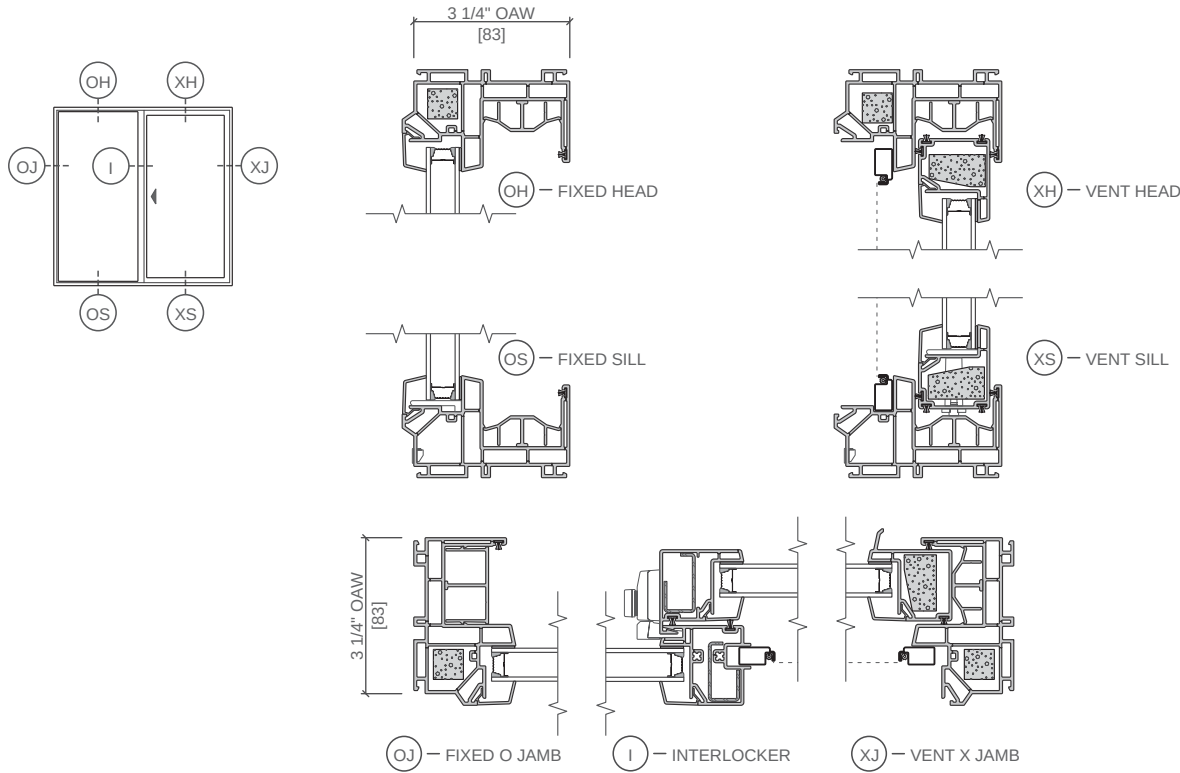
(3) Obscure glass not available with Bronze Advanced, SunDefense+ or NaturalSun+ Low-E IG.

(4) Almond grilles only available on Almond units. Almond units with grilles will have an Almond grille color, Fossil extruded color units with grilles have a Fossil grille color.



250 Series Sliding Window

Unit sections - Optional Foam Insulation



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

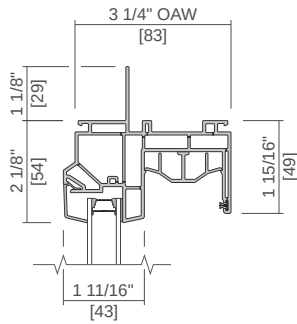


250 Series Sliding Window

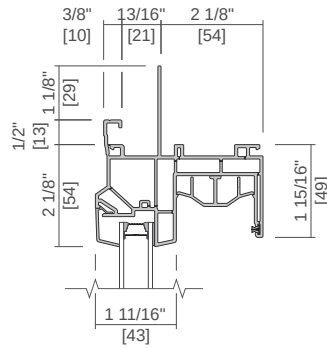
Unit sections - Frame Types

NEW CONSTRUCTION FRAME

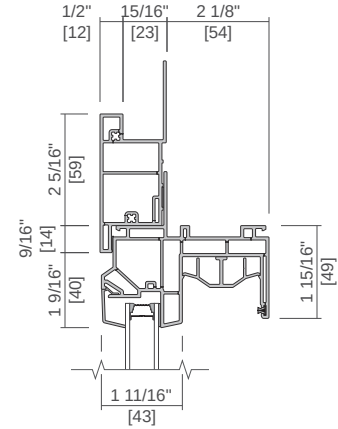
Standard Nailing Fin



Standard Fin with J-Channel

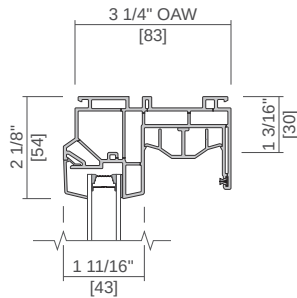


Standard Fin with Flat Casing

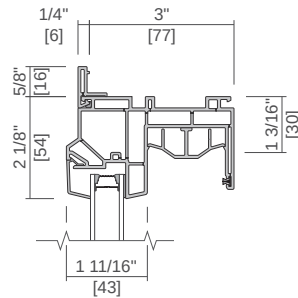


REPLACEMENT FRAME

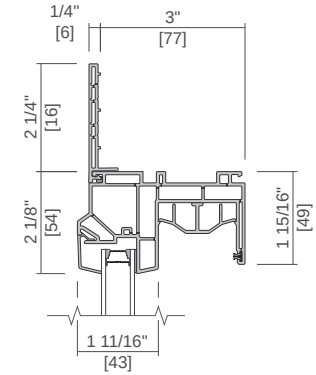
Standard Block Frame



5/8" Flush Flange - Florida Region Only

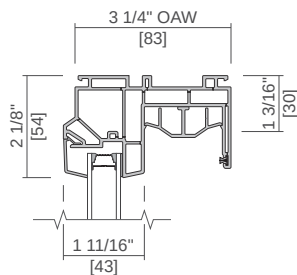


Double Wall Flush Flange

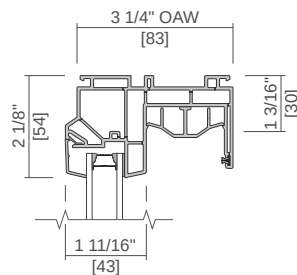


GLAZING OPTIONS

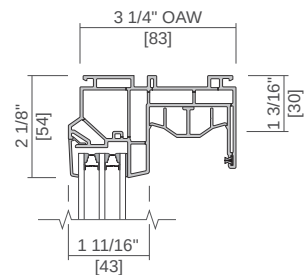
1 1/16" IG



3/4" IG



1" Triple IG

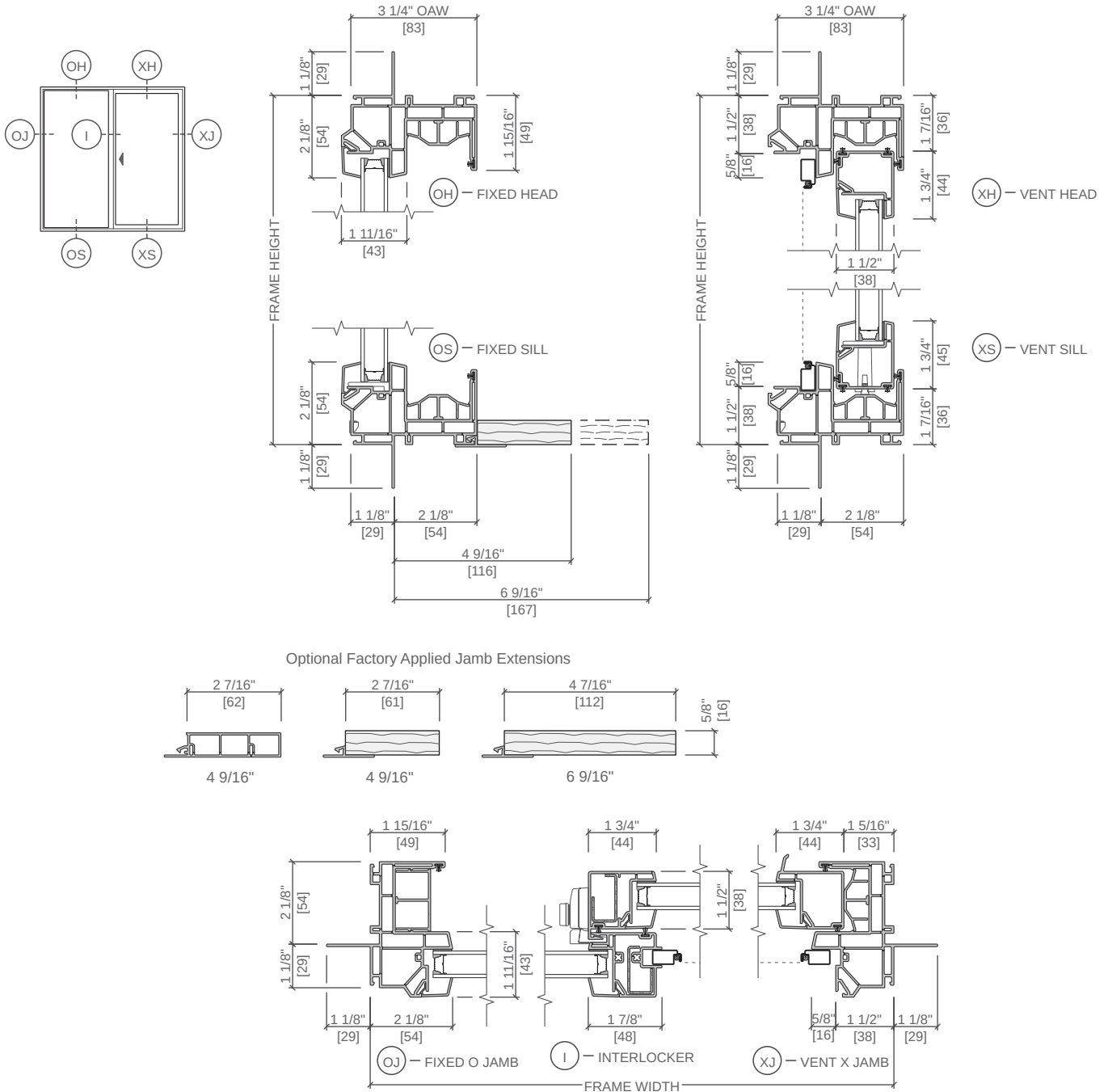


Scale 3" = 1' 0"
All dimensions are approximate.



250 Series Sliding Window

Unit Sections - Nail Fin, OX / XO



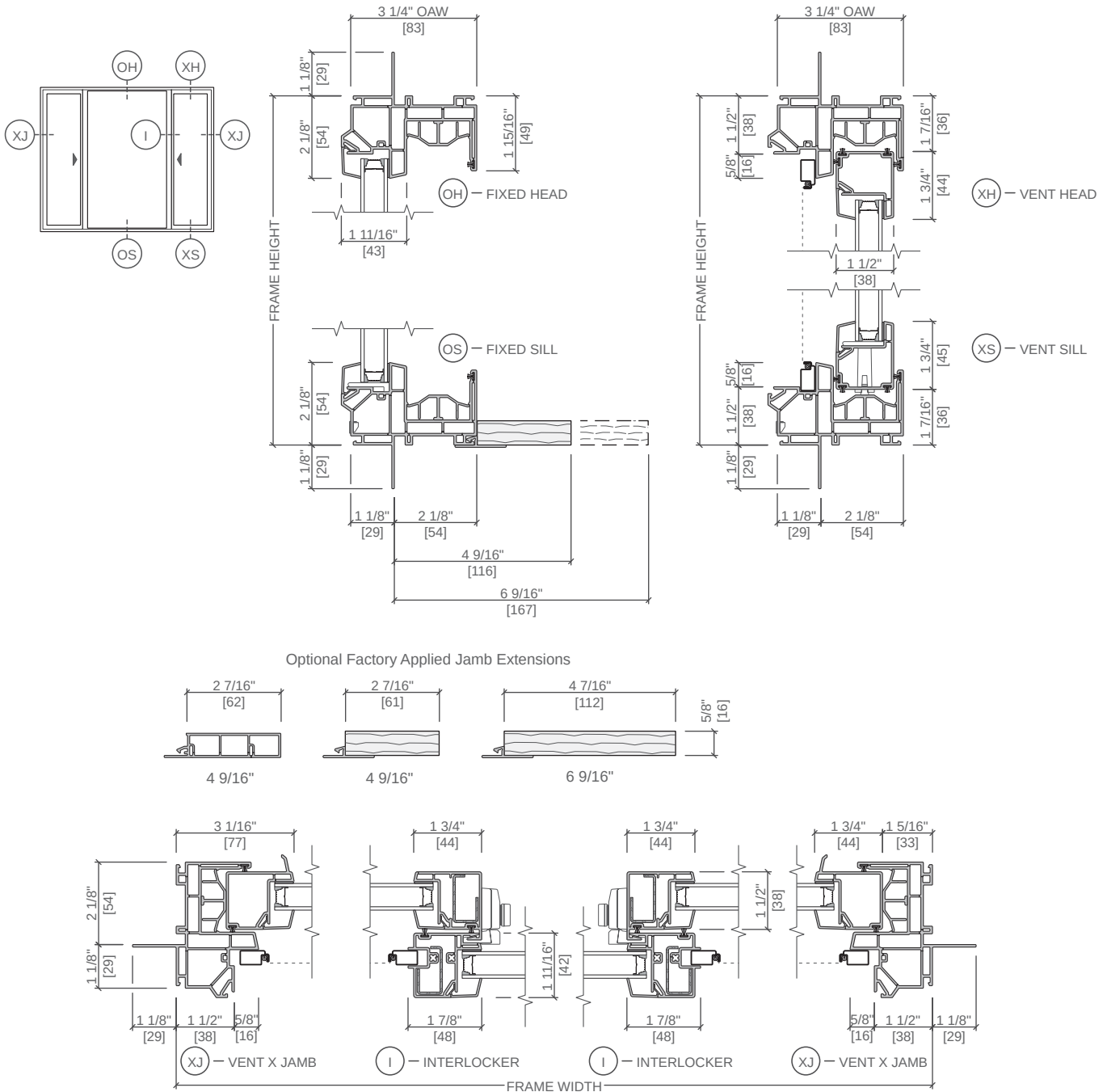
Scale 3" = 1' 0"

All dimensions are approximate.



250 Series Sliding Window

Unit Sections - Nail Fin, XOX



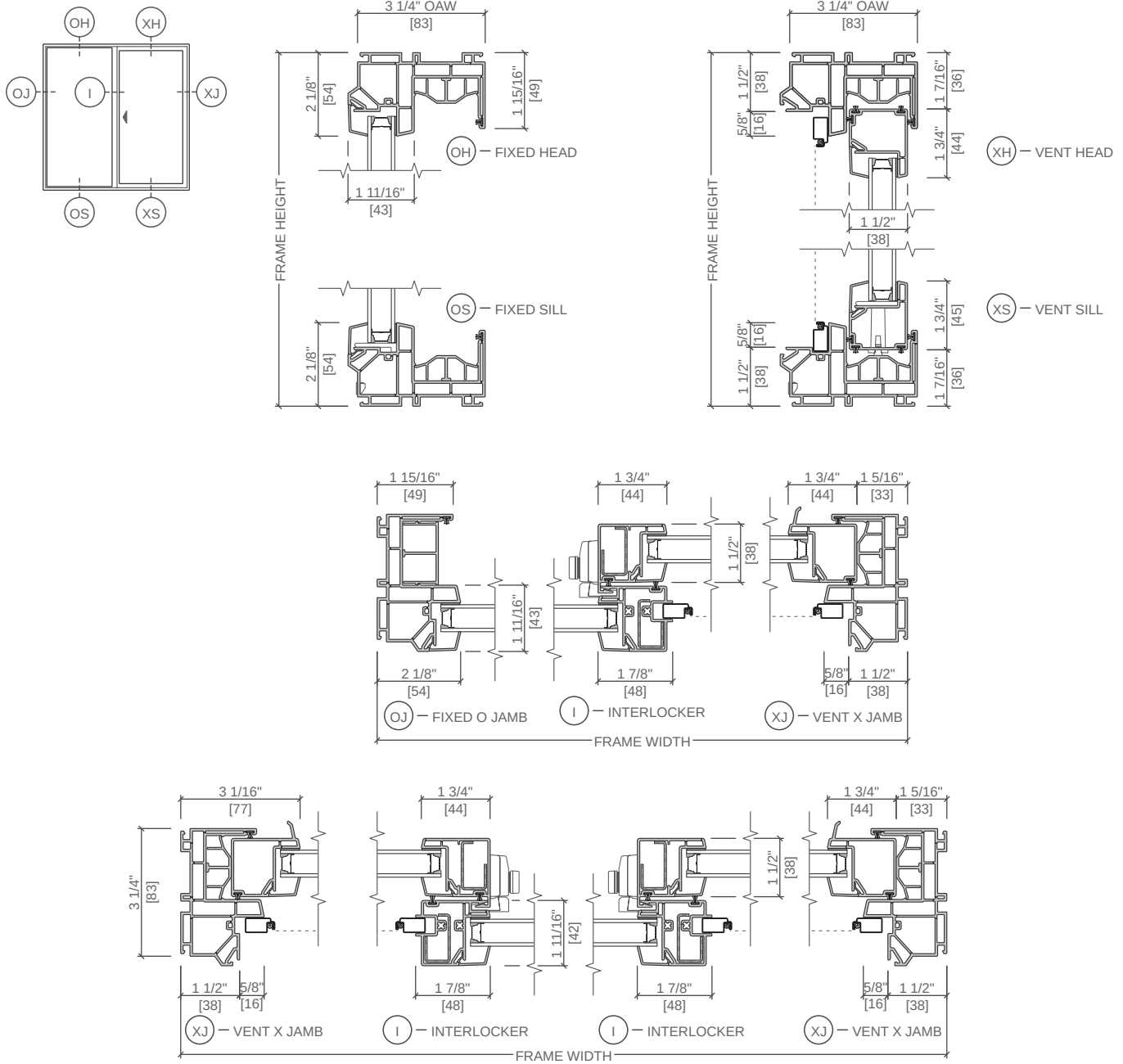
Scale 3" = 1' 0"

All dimensions are approximate.



250 Series Sliding Window

Unit Sections - Block Frame, OX/XO

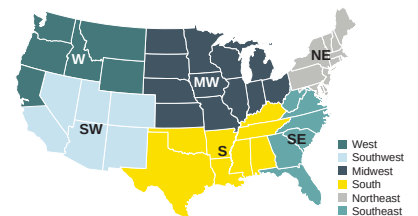
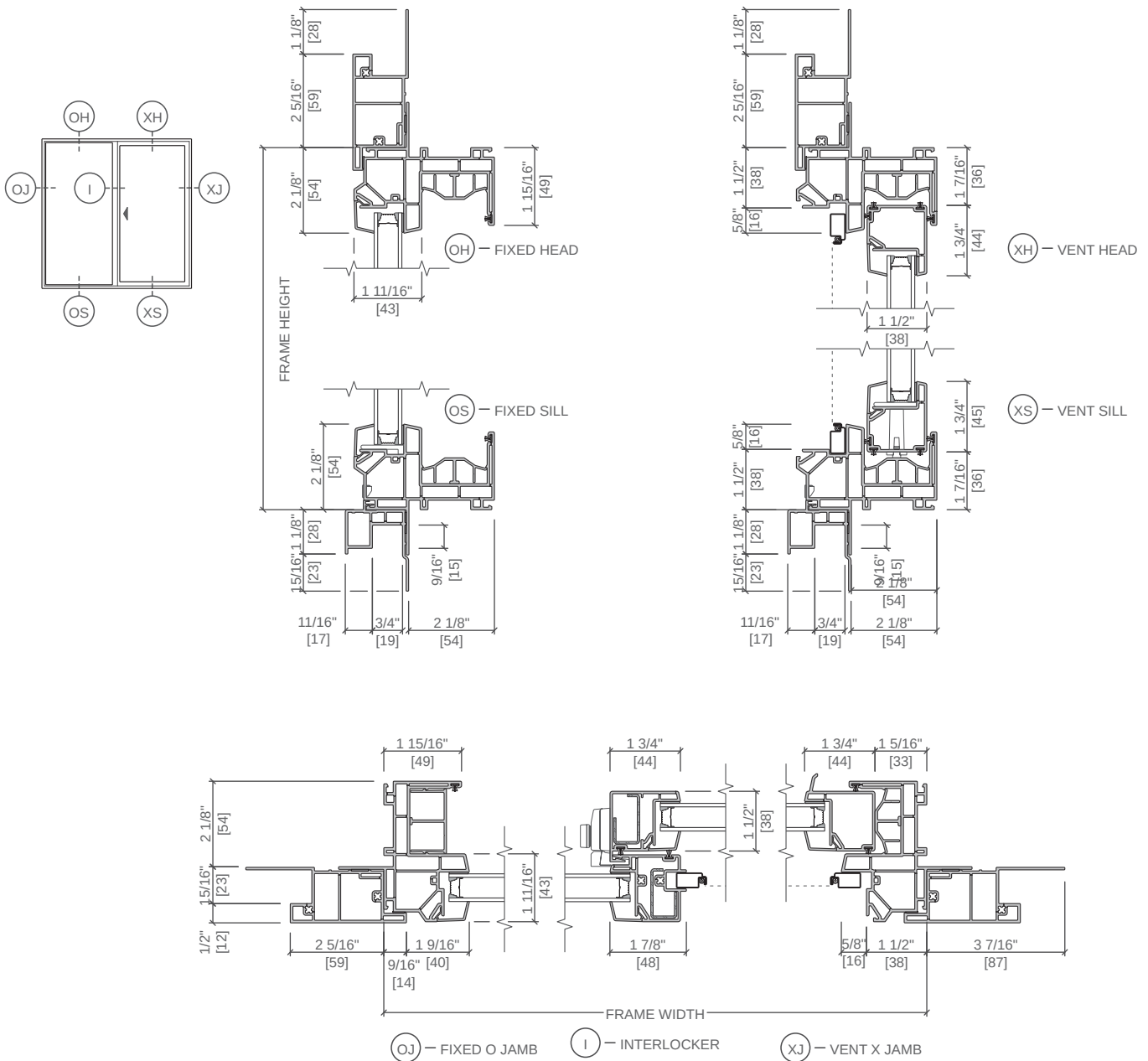


Scale 3" = 1' 0"
All dimensions are approximate.



250 Series Sliding Window

Unit Sections - Fin with Flat Casing, OX/XO



Scale 3" = 1' 0"

All dimensions are approximate.

Flat casing availability is limited to Northeast region. Contact your local sales representative for current offering.