





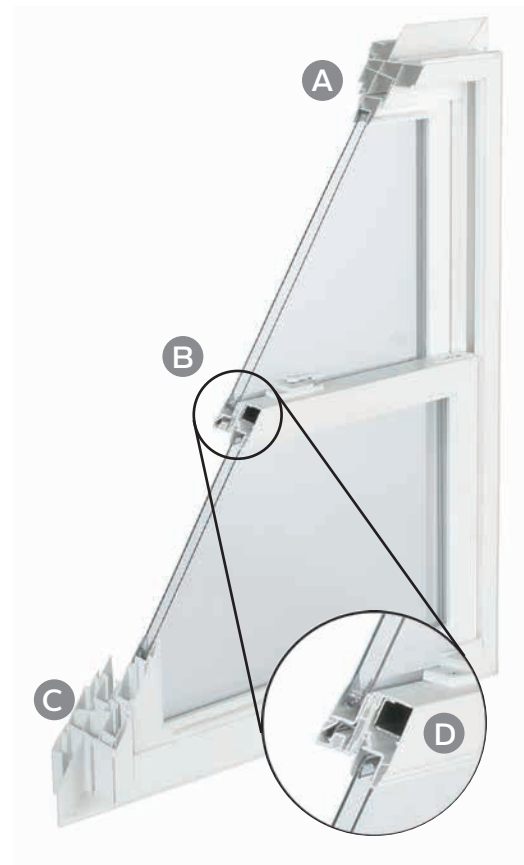
Encompass by Pella®

Vinyl Windows and Sliding Patio Doors



Competitively priced, easy-care vinyl. Encompass by Pella® vinyl windows and sliding patio doors feature low-maintenance, high-grade vinyl that looks great for years. Best of all, you get quality products backed by Pella - for years to come.

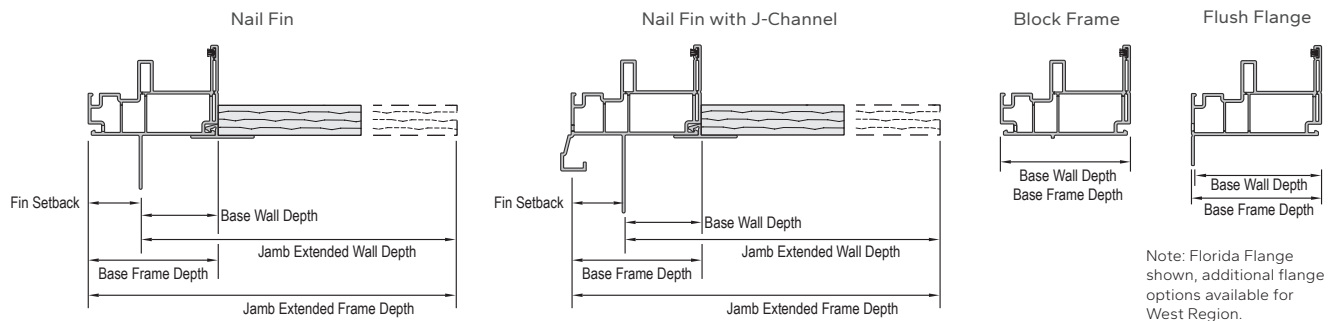
- A** Pella's precision welding process makes stronger and more durable windows that help prevent the frame from warping and twisting over time.
- B** Pella's exclusive weather-repel system on double-hung windows guards against air and water infiltration. Three points of protection channel water away from your home:
 - Sloped sill and sill interlocker
 - Triple weatherstrip design
 - Offset weep system
- C** All products are made of high-quality vinyl that resists fading and yellowing and stays looking great for years - with no more painting!
 - Solid color throughout the vinyl keeps minor dings and scratches virtually invisible.
- D** Steel-reinforced sash provides excellent structural integrity and resistance to wind.
 - Products are tested in state-of-the-art facilities.



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

Brand Overview

	Cross Section	Frame / Install	Wall Depth Range	Performance Range
Double-Hung Vent		Block Frame Nail Fin	Base Frame Depth: 3-1/4" Fin Setback: 1-1/8" Base Wall Depth: 2-1/8" Jamb Extended Wall Depth: 4-9/16" or 6-9/16"	R20 – R50 U: 0.24 – 0.47 SHGC: 0.19 – 0.60 STC: up to 26
Single-Hung		Block Frame Nail Fin Nail Fin with J-Channel Flush Flange	Base Frame Depth: 2-11/16" Fin Setback: 1-1/8" Base Wall Depth: 1-9/16" Jamb Extended Wall Depth: 4-9/16" or 6-9/16"	R20 – R50 U: 0.24 – 0.47 SHGC: 0.20 – 0.65 STC: up to 26
Sliding Window		Block Frame Nail Fin Nail Fin with J-Channel Flush Flange	Base Frame Depth: 2-11/16" Fin Setback: 1-1/8" Base Wall Depth: 1-9/16" Jamb Extended Wall Depth: 4-9/16" or 6-9/16"	R20 – R35 U: 0.23 – 0.47 SHGC: 0.20 – 0.64 STC: up to 26
Fixed Frame Direct Set		Block Frame Nail Fin Flush Flange	Base Frame Depth: 2-11/16" Fin Setback: 1-1/8" Base Wall Depth: 1-9/16" - or - Base Frame Depth: 3-1/4" Fin Setback: 1-1/8" Base Wall Depth: 2-1/8" Jamb Extended Wall Depth: 4-9/16" or 6-9/16"	R25 – R55 U: 0.21 – 0.49 SHGC: 0.20 – 0.66 STC: up to 26
Sliding Patio Door		Nail Fin Flush Flange	Base Frame Depth: 4-1/2" Fin Setback: 1-7/16" Base Wall Depth: 3-1/16"	R25 – R50 U: 0.23 – 0.48 SHGC: 0.20 – 0.61 STC: up to 25



Note: Florida Flange shown, additional flange options available for West Region.

East Region New Construction Frames shown. Flush Flange available in West Region only.

Performance ranges shown are for single-units and do not account for composite units (integral mullion) or combinations (multiple units mulled together).

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

Drawings are not to scale.

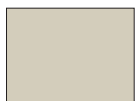
Finishes

Maintenance-free vinyl frames are available in White, Almond or Fossil.

Colors



White



Almond



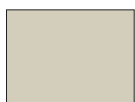
Fossil

Hardware

Window Locks¹



White



Almond



Fossil

Sliding patio doors²



White



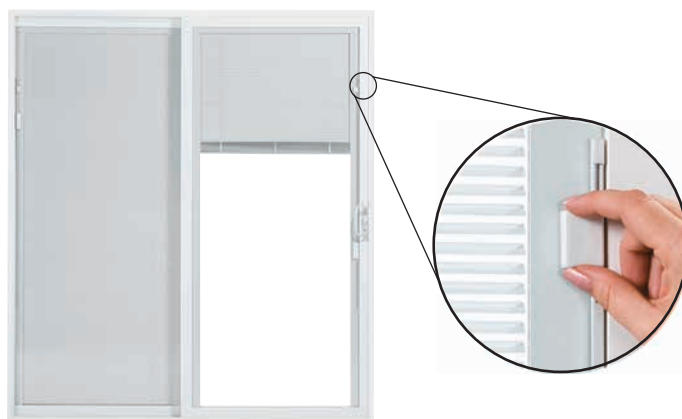
Satin Nickel



Oil-Rubbed Bronze

Patio Door Blinds-Between-the-Glass³

- White blinds-between-the-glass on patio doors.
- Blinds are protected from dust and damage.
- Cordless design is safer for children and pets.
- Easy-to-operate levers raise, lower and tilt the blinds.
- Low-E glass coating maintains energy efficiency, without sacrificing convenience.



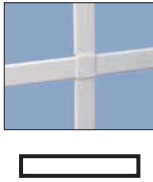
(1) Standard lock hardware is finished to match the interior of the window or door frame.

(2) Finish of exterior hardware matches color of exterior door frame.

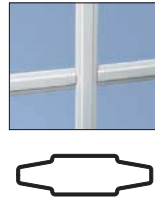
(3) See your local Pella representative for availability.

Grilles-Between-the-Glass¹

5/8" Flat Grilles



3/4" Contour Grilles



(West Region Only)

(East and West Regions)

	Hung	Sliding Window	Sliding Door	Guidelines
Traditional				<p>Specify number of lites in each panel (wide and high). Grilles must be equally divided on visible glass. Minimum 6" x 6" center-to-center. Specify upper or both sash (Hung only).</p>
9-Lite Prairie				<p>Windows Approximately 4" from edge of sash to center of bar. Minimum actual glass is 13". Specify upper or both sash (Hung only).</p>
6-Lite Prairie				<p>Sliding Door Approximately 6" from edge of panel to center of bar.</p>
Top Row				<p>Standard visible glass to separator bar must be $\leq 1/2$ upper actual glass.</p>

(1) See your local Pella representative for availability.



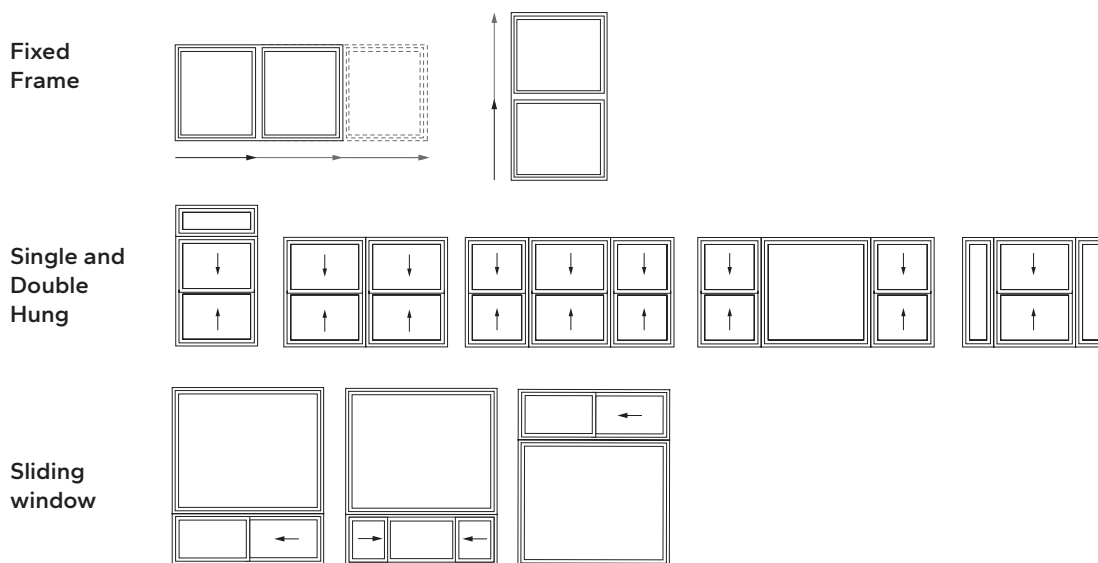
East and West Regions

Combination Assemblies

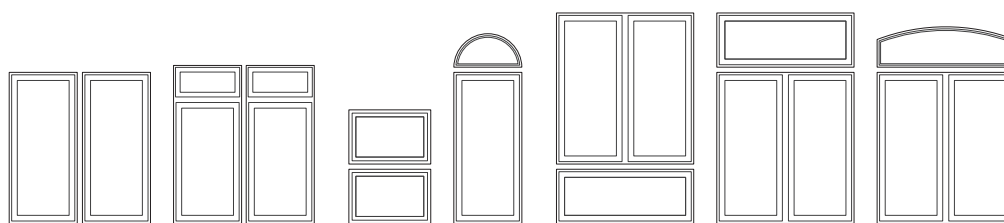
A combination is an assembly formed by two or more separate windows or doors whose frames are mullioned together by a combination or reinforcing mullion. A composite is an assembly of windows inside a single, continuous frame.

Encompass by Pella® products are available in many common configurations. Refer to the Product Application section of this book, Pella.com or your local Pella sales representative for information on performance and availability.

Window Composite Examples



Window Combination Examples

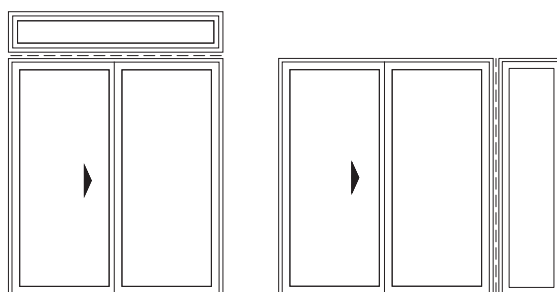


Factory or Site Assembled Combination Parameters

Max. of 3 windows per opening and 50 sq ft.

Mullion reinforcing may be required.

Door and Window Combination Examples



*Actual mullion span and combination size availability depends on design pressure requirements. Consider combination size, weight and job-site handling during design. Encompass by Pella® vinyl window products are intended only for use less than 40 feet above ground level.



Encompass
by Pella®

Double-
Hung
Window



**Air, Water,
& Structural
Performance**

Performance Class & Grade Rating	Water Penetration Resistance	Air Infiltration	Design Pressure	Forced Entry
H-R20 - R50	3.0 - 7.5 psf	0.24	20 - 50 psf	10

**Thermal
Performance**

3/4" Overall Glass Thickness
2.5mm/2.5mm Standard and High Performance options

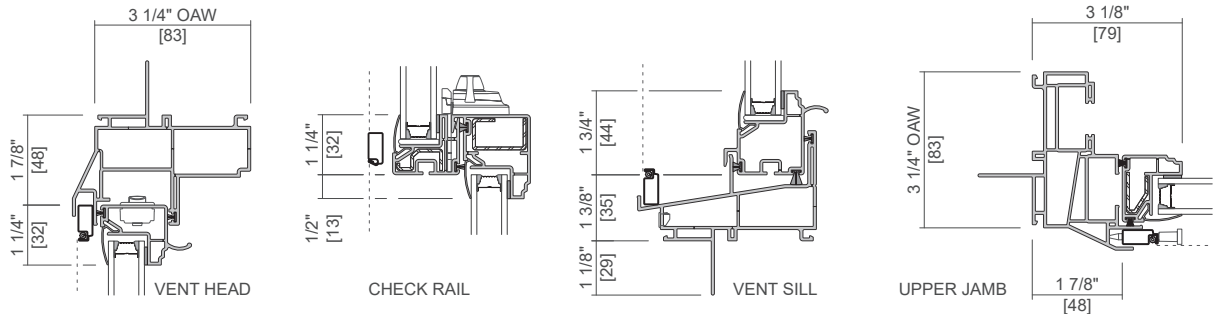
Type of Glazing (Argon fill)	U-Factor	SHGC	VLT %	CR	EnergyStar® Capable
Advanced Low-E IG	0.28 - 0.33	0.25 - 0.29	0.47 - 0.53	53 - 57	—
NaturalSun Low-E IG	0.29 - 0.34	0.44 - 0.50	0.53 - 0.60	53 - 56	—
NaturalSun+ Low-E IG	0.25 - 0.27	0.43 - 0.48	0.52 - 0.59	44 - 45	CA, N
SunDefense™ Low-E IG	0.28 - 0.33	0.19 - 0.21	0.44 - 0.49	53 - 57	SC, S
SunDefense+ Low-E IG	0.24 - 0.26	0.19 - 0.21	0.43 - 0.48	45 - 46	NC, SC, S

**Sound
Performance**

Frame Size Tested	Type of Glazing	STC	OITC
3-1/4" Frame Depth, 36" x 60"	3/4" Overall Glass Thickness 3mm / 3mm glass	26	22
3-1/4" Frame Depth, 36" x 60"	2.5mm / 2.5mm glass	25	22

Code Approvals: AAMA Certified; **FPAS#:** FL11152; **TDI#:** WIN-333

Performance varies based on actual product attributes. See the Performance section earlier in this manual to learn more about performance standards and ratings.



East Region New Construction Frame shown.
Other frame types are available.
Not to scale. All dimensions are approximate.



East Region Only

Standard Sizes

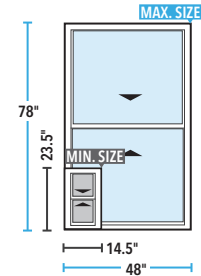
Special Sizes

Special sizes are available in 1/8" increments.

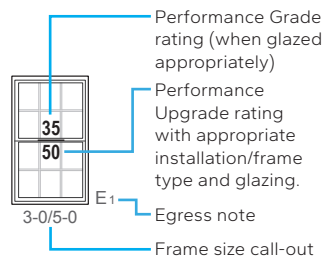
Up to Three-wide composites are available in standard sizes, up to Three-wide combinations are also available.

Transoms and Companion fixed windows available for combinations or singles, see Fixed Window section for availability.

Vent (Equal Sash)



48 sq. ft. maximum.



Egress Notes:

- 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.

Check all applicable local codes for emergency egress requirements.

1-Wide Vent

	(610) (597)	(710) (699)	(762) (749)	(813) (800)	(914) (902)	(965) (953)	(1 016) (1 003)
Opening	2' 0"	2' 4"	2' 6"	2' 8"	3' 0"	3' 2"	3' 4"
Frame	23 1/2"	27 1/2"	29 1/2"	31 1/2"	35 1/2"	37 1/2"	39 1/2"
(914) (902)	35 50 2-0/3-0	35 50 2-4/3-0	35 50 2-6/3-0	35 50 2-8/3-0	35 50 3-0/3-0	25 50 3-2/3-0	25 50 3-4/3-0
(965) (953)	35 50 2-0/3-2	35 50 2-4/3-2	35 50 2-6/3-2	35 50 2-8/3-2	35 50 3-0/3-2	25 50 3-2/3-2	25 50 3-4/3-2
(1 067) (1 054)	35 50 2-0/3-6	35 50 2-4/3-6	35 50 2-6/3-6	35 50 2-8/3-6	35 50 3-0/3-6	25 50 3-2/3-6	25 50 3-4/3-6
(1 160) (1 156)	35 50 2-0/3-10	35 50 2-4/3-10	35 50 2-6/3-10	35 50 2-8/3-10	35 50 3-0/3-10	25 50 3-2/3-10	25 50 3-4/3-10
(1 219) (1 207)	35 50 2-0/4-0	35 50 2-4/4-0	35 50 2-6/4-0	35 50 2-8/4-0	35 50 3-0/4-0	25 50 3-2/4-0	25 50 3-4/4-0
(1 321) (1 308)	35 50 2-0/4-4	35 50 2-4/4-4	35 50 2-6/4-4	35 50 2-8/4-4	35 50 3-0/4-4	25 50 3-2/4-4	25 50 3-4/4-4
(1 372) (1 359)	35 50 2-0/4-6	35 50 2-4/4-6	35 50 2-6/4-6	35 50 2-8/4-6	35 50 3-0/4-6	25 50 3-2/4-6	25 50 3-4/4-6
(1 524) (1 511)	35 50 2-0/5-0	35 50 2-4/5-0	35 50 2-6/5-0	35 50 2-8/5-0	35 50 3-0/5-0	25 50 3-2/5-0	25 50 3-4/5-0
(1 575) (1 562)	35 50 2-0/5-2	35 50 2-4/5-2	35 50 2-6/5-2	35 50 2-8/5-2	35 50 3-0/5-2	25 50 3-2/5-2	25 50 3-4/5-2
(1 676) (1 664)	35 50 2-0/5-6	35 50 2-4/5-6	35 50 2-6/5-6	35 50 2-8/5-6	35 50 3-0/5-6	25 50 3-2/5-6	25 50 3-4/5-6
(1 829) (1 816)	35 50 2-0/6-0	35 50 2-4/6-0	35 50 2-6/6-0	35 50 2-8/6-0	35 50 3-0/6-0	25 50 3-2/6-0	25 50 3-4/6-0

Not to scale.

Traditional grille patterns shown.





Encompass
by Pella®

Fixed Frame
Window

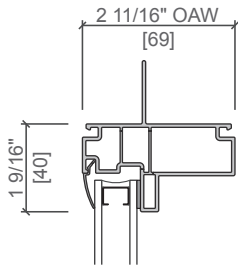
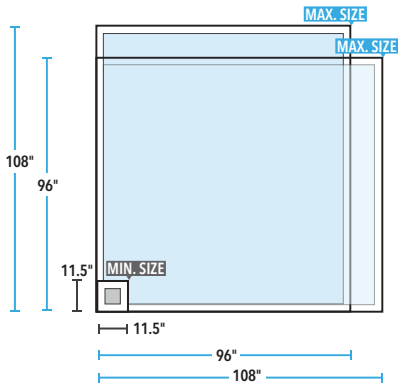


Fixed Rectangular

Sizes are available in 1/8" increments.

Up to Three-wide composites or combinations are available for Rectangular windows.

Maximum of 108" in one direction; 40 sq. ft. maximum.





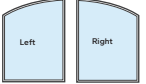
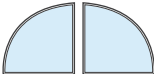



East Region 2-11/16" New Construction Frame shown.

Other frame types are available.

Not to scale. All dimensions are approximate.

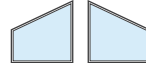



Fixed Shapes

Description	Frame dimensions			
	Width		Height	
	Min.	Max.	Min.	Max.
Half Circle 	29.5"	95.5"	14.5"	47.5"
Full Cord (West Region Only) 	29.5"	—	11.5"	—
Arch Head 	17.5"	95.5"	17.5"	108"
Springline 	29.5"	95.5"	20.5"	95.5"
Partial Arch Head 	17.5"	95.5"	17.5"	108"
Quarter Circle 	23.5"	73.5"	23.5"	73.5"
Full Circle 	29.5"	73.5"	29.5"	73.5"

Both width and height can not be > than 73-1/2"

All shapes are available up to a maximum of 40 sq. ft. when measured as a rectangle.

Bronze glass - limited to 22 sq. ft.

Description	Frame Dimensions			
	Width		Height	
	Min.	Max.	Min.	Max.
Left & Right Gable 	14.5"	108"	14.5"	108"
House Top 	23.5"	108"	14.5"	108"
Left & Right 90° Triangle 	23.5"	108"	11.5"	108"
Octagon 	17.5"	73.5"	17.5"	73.5"

All shapes are available up to a maximum of 40 sq. ft. when measured as a rectangle.

Both width and height cannot be > than 73-1/2"

Bronze glass: limited to 22 sq. ft.

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

Fixed Frame - Rectangular and Radius Shapes

Air, Water, & Structural Performance

Performance Class & Grade Rating	Water Penetration Resistance	Air Infiltration	Design Pressure
FW-R25 - R50	5.25 - 7.5 psf	0.01	25 - 50 psf

Thermal Performance

3/4" Overall Glass Thickness
3mm/3mm

Frame	Type of Glazing (Argon fill)	U-Factor	SHGC	VLT %	CR	EnergyStar® Capable
2-11/16" Frame East Region Only	Advanced Low-E IG	0.27 - 0.31	0.30 - 0.33	0.56 - 0.62	56 - 60	—
	NaturalSun Low-E IG	0.28 - 0.31	0.52 - 0.57	0.63 - 0.70	56 - 59	CA
	NaturalSun+ Low-E IG	0.23	.50 - 0.55	0.62 - 0.69	46	CA, N
	SunDefense™ Low-E IG	0.26 - 0.30	0.22 - 0.25	0.51 - 0.57	57 - 60	SC, S
	SunDefense+ Low-E IG	0.22	0.22 - 0.24	0.50 - 0.56	48	N, NC, SC, S
3-1/4" Frame East Region Only	Advanced Low-E IG	0.27 - 0.31	0.27 - 0.31	0.51 - 0.57	57 - 61	—
	NaturalSun Low-E IG	0.28 - 0.31	0.47 - 0.52	0.58 - 0.64	56 - 60	CA
	NaturalSun+ Low-E IG	0.23	0.46 - 0.51	0.56 - 0.63	47	CA, N
	SunDefense™ Low-E IG	0.26 - 0.30	0.20 - 0.23	0.47 - 0.53	51 - 57	SC, S
	SunDefense+ Low-E IG	0.22	0.20 - 0.22	0.46 - 0.52	49	N, NC, SC, S
2-11/16" Frame West Region Only	Advanced Low-E IG	0.26 - 0.30	0.30 - 0.33	0.56 - 0.62	57 - 61	—
	NaturalSun Low-E IG	0.27 - 0.31	0.52 - 0.58	0.63 - 0.70	56 - 60	CA
	NaturalSun+ Low-E IG	0.22	0.50 - 0.56	0.62 - 0.69	47	CA, N
	SunDefense™ Low-E IG	0.26 - 0.30	0.22 - 0.25	0.52 - 0.58	57 - 61	SC, S
	SunDefense+ Low-E IG	0.21	0.22 - 0.24	0.51 - 0.56	48	CA, N, NC, SC, S

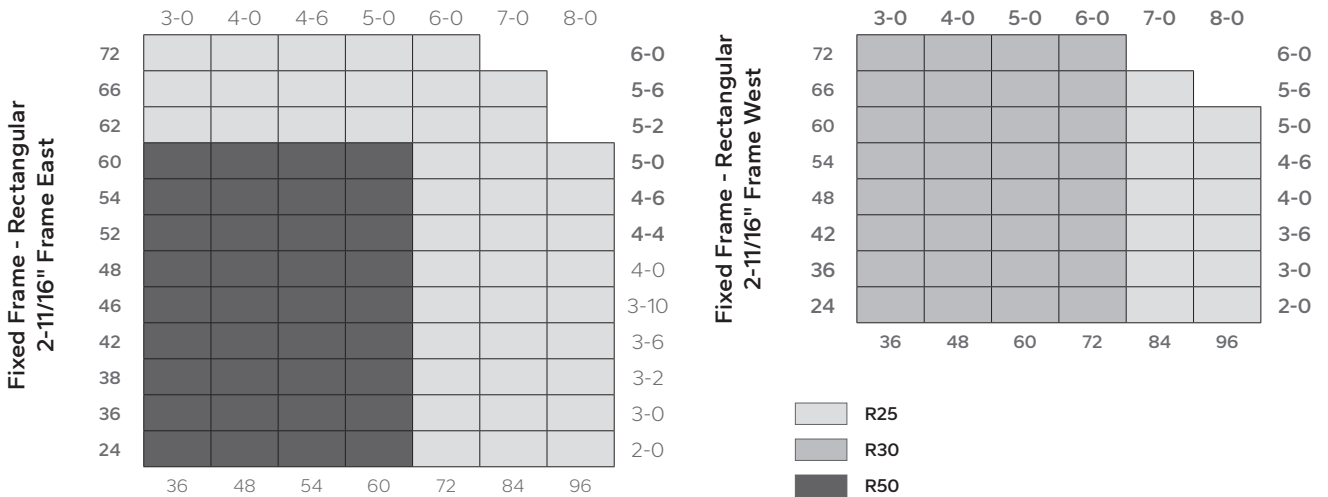
Sound Performance

(East Region, Rectangular only)

Frame Size Tested	Type of Glazing	STC	OITC
2-11/16" Frame Depth (New Construction), 48" x 48"	3/4" Overall Glass Thickness 3mm / 3mm glass	25	21
3-1/4" Frame Depth (Replacement), 48" x 48"	3/4" Overall Glass Thickness 3mm / 3mm glass	25	21

Rectangular only: **Code Approvals:** AAMA Certified; **FPAS#:** FL6694; **TDI#:** WIN-358

Performance varies based on actual product attributes. See the Performance section earlier in this manual to learn more about performance standards and ratings.



Table(s) above show nominal frame size in inches, equal to rough-opening size. Deduct 1/2" for actual frame size. Not all frame types are represented, see online ADM for complete information.

Standard sizes shown, unless noted otherwise. Special sizes are available in 1/8" increments.

Maximum performance when glazed with the appropriate glass. For special size units, use the performance class and grade for the next larger standard size unit.





Encompass
by Pella®

Single-Hung
Window



**Air, Water,
& Structural
Performance**

Performance Class & Grade Rating	Water Penetration Resistance	Air Infiltration	Design Pressure	Forced Entry
H-R20 – R50	5.25 – 8.25 psf	0.12 – 0.22	20 – 50 psf	10 - 20

**Thermal
Performance**

3/4" Overall Glass Thickness, 2.5mm/2.5mm, Standard and performance upgrade and foam options

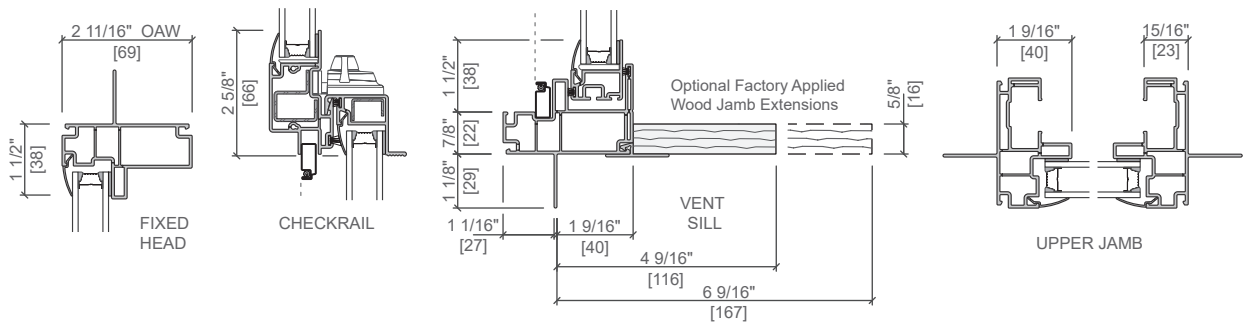
Frame	Type of Glazing (Argon fill)	U-Factor	SHGC	VLT %	CR	EnergyStar® Capable
2-11/16" Frame East Region Only	Advanced Low-E IG	0.28 - 0.33	0.28 - 0.31	0.52 - 0.58	55 - 60	—
	NaturalSun Low-E IG	0.29 - 0.34	0.49 - 0.54	0.59 - 0.66	54 - 59	—
	NaturalSun+ Low-E IG	0.25 - 0.26	0.47 - 0.52	0.57 - 0.64	46 - 47	CA, N
	SunDefense™ Low-E IG	0.28 - 0.33	0.21 - 0.23	0.48 - 0.54	55 - 60	SC, S
	SunDefense+ Low-E IG	0.24 - 0.25	0.20 - 0.22	0.47 - 0.52	48	NC, SC, S
2-11/16" Frame West Region Only	Advanced Low-E IG	0.28 - 0.33	0.27 - 0.30	0.51 - 0.57	55 - 60	—
	NaturalSun Low-E IG	0.29 - 0.34	0.48 - 0.53	0.57 - 0.64	54 - 59	—
	NaturalSun+ Low-E IG	0.25 - 0.26	0.46 - 0.51	0.56 - 0.63	46 - 47	CA, N
	SunDefense™ Low-E IG	0.28 - 0.32	0.20 - 0.23	0.47 - 0.53	56 - 60	SC, S
	SunDefense+ Low-E IG	0.24 - 0.25	0.20 - 0.22	0.46 - 0.51	48	NC, SC, S

**Sound
Performance**

Frame Size Tested	Type of Glazing	STC	OITC
East 2-11/16" Frame, 36" x 60"	3/4" Overall Glass Thickness / 2.5mm / 2.5mm glass	25	21

Code Approvals: AAMA Certified; FPAS#: FL1206; TDI#: WIN-689

Performance varies based on actual product attributes. See the Performance section earlier in this manual to learn more about performance standards and ratings. Highest ratings may require performance upgrade or specific frame type.



East Region 2-11/16" New Construction Frame shown.

Other frame types are available.

Not to scale. All dimensions are approximate.

Standard Sizes

Opening	(610)	(711)	(762)	(813)	(914)	(1 016)	(1 219)
	(597)	(699)	(749)	(800)	(902)	(1 003)	(1 207)
Frame	23 1/2"	27 1/2"	29 1/2"	31 1/2"	35 1/2"	39 1/2"	47 1/2"
3' 0"							
3' 2"							
3' 6"							
3' 10"							
4' 0"							
4' 4"							
4' 6"							
5' 0"							
5' 2"							
5' 6"							
6' 0"							

Vent (Equal Sash) West	2-0	2-6	3-0	3-6	
	72		E	E	E
66		E1	E	E	5-6
60			E	E	5-0
60					4-6
54					4-0
48					3-6
36					3-0
	24	30	36	42	

R35

Not to scale. Traditional grille patterns shown.

For special size units, use the performance class and grade for the next larger standard size unit.

Special Sizes

Special sizes are available in 1/8" increments.

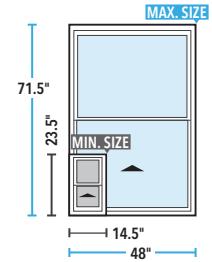
Up to Three-wide composites or combinations are available.

Curved top shapes available for East Region, see online ADM for sizes and options.

Transoms and Companion fixed windows available for combinations or singles, see Fixed Window section for availability.

Vent (Equal Sash)

East Region



24" Vent

Min: 14-1/2" W x 47-1/2" H

Max: 48" W x 84" H

30" Vent

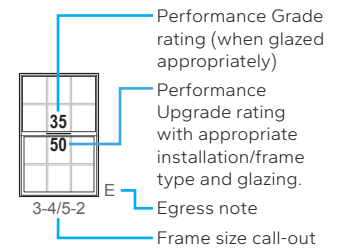
Min: 14-1/2" W x 59-1/2" H

Max: 48" W x 84" H

36" Vent

Min: 14-1/2" W x 71-1/2" H

Max: 48" W x 84" H



Egress Notes:

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.

Check all applicable local codes for emergency egress requirements.





Encompass
by Pella®

Sliding
Window



**Air, Water,
& Structural
Performance**

Performance Class & Grade Rating	Water Penetration Resistance	Air Infiltration	Design Pressure	Forced Entry
HS-R20 – HS-R35	3.0 – 5.25 psf	0.09 – 0.18	20 – 35 psf	10 - 20

**Thermal
Performance**

3/4" Overall Glass Thickness, 2.5mm/2.5mm, optional foam insulation

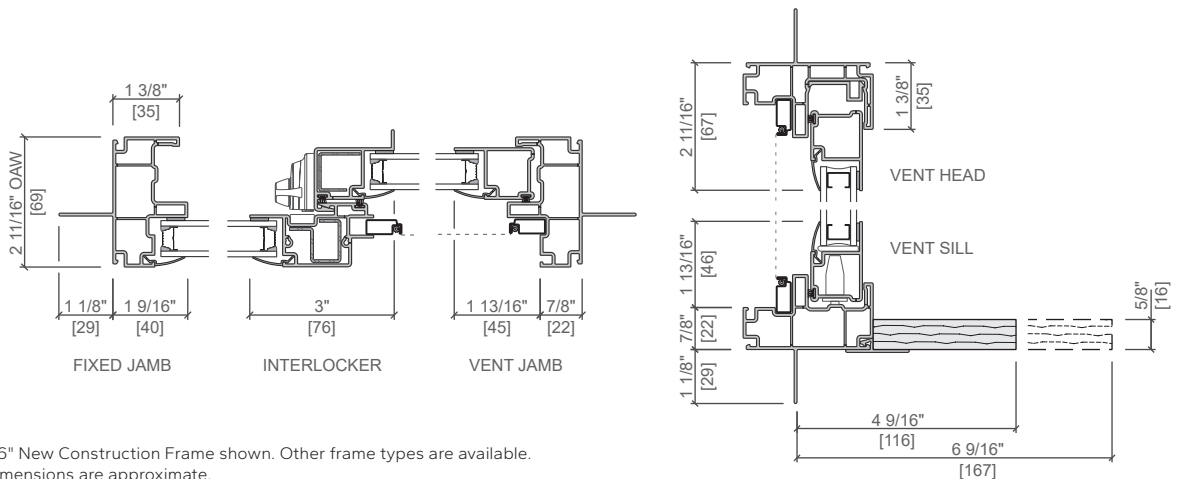
Frame	Type of Glazing (Argon fill)	U-Factor	SHGC	VLT %	CR	EnergyStar® Capable
2-11/16" Frame East Region Only	Advanced Low-E IG	0.28 - 0.29	0.27 - 0.30	0.51 - 0.57	56 - 60	—
	NaturalSun Low-E IG	0.29 - 0.34	0.48 - 0.53	0.57 - 0.64	56 - 59	—
	NaturalSun+ Low-E IG	0.25 - 0.26	0.46 - 0.51	0.56 - 0.63	47	CA, N
	SunDefense™ Low-E IG	0.28 - 0.33	0.20 - 0.23	0.47 - 0.52	57 - 60	SC, S
	SunDefense+ Low-E IG	0.24 - 0.25	0.20 - 0.22	0.46 - 0.51	48 - 49	NC, SC, S
2-11/16" Frame West Region Only	Advanced Low-E IG	0.28 - 0.33	0.27 - 0.30	0.51 - 0.57	56 - 60	—
	NaturalSun Low-E IG	0.29 - 0.34	0.48 - 0.53	0.57 - 0.64	55 - 59	—
	NaturalSun+ Low-E IG	0.25 - 0.26	0.46 - 0.51	0.56 - 0.63	46 - 47	CA, N
	SunDefense™ Low-E IG	0.27 - 0.32	0.20 - 0.23	0.47 - 0.53	56 - 60	SC, S
	SunDefense+ Low-E IG	0.23 - 0.25	0.20 - 0.22	0.46 - 0.51	48	NC, SC, S

**Sound
Performance**

Frame Size Tested	Type of Glazing	STC	OITC
East, 2-11/16" Frame 72" x 48"	3/4" Overall Glass Thickness 2.5mm / 2.5mm glass	26	21
West, 2-11/16" Frame 72" x 48"		25	21

Code Approvals: AAMA Certified; **FPAS#:** 12606.4; **TDI#:** DR-235

Performance varies based on actual product attributes. See the Performance section earlier in this manual to learn more about performance standards and ratings.

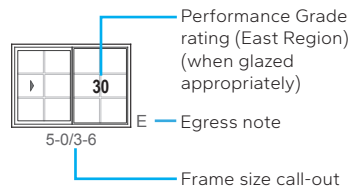


East Region 2-11/16" New Construction Frame shown. Other frame types are available.
Not to scale. All dimensions are approximate.

Standard Sizes

Vent-Fixed Units (XO)

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



2-11/16" frame East Region XOX - 1/4 vent

	6-0	7-0	8-0	
60			E	5-0
54			E	4-6
48			E	4-0
42			E	3-6
36				3-0
30				2-6
24				2-0
	72	84	96	

2-11/16" frame West Region XOX - 1/4 vent

	6-0	7-0	8-0	
60			E	5-0
54			E	4-6
48			E	4-0
42			E	3-6
36				3-0
30				2-6
24				2-0
	72	84	96	

- R25
- R30
- R35
- R30

Not to scale.

Traditional grille patterns shown.

Table(s) above show nominal frame size in inches, equal to rough-opening size. Deduct 1/2" for actual frame size.

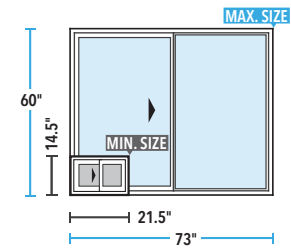
Special Sizes

Special sizes are available in 1/8" increments.

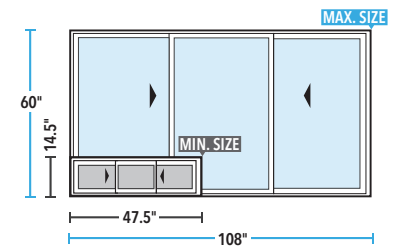
48 sq. ft. maximum frame area.

Fixed over XO / OX and fixed over XOX composites area available in standard and special sizes (combinations are also available).

Equal Vent (OX or XO) East Region



1/4 Vent (XOX) East Region



XO/OX:

Maximum Frame Height ≤ Frame Width x 1.75.

XOX:

Maximum Frame Height ≤ ((Frame Width/2) x 3.5)

OX / XO Special Sizes (West)

Min: 21-1/2" W x 9" H

Max: 73-1/2" W or 60" H or 40 ft²

XOX Special Sizes (West)

Min: 47-1/2" W x 11-1/2" H

Max: 97-1/2" W x 60" H

24" vent sash are available in units ≥ 71-1/2" and < 95-1/2".

Special sized XOX units > 59-1/2" in height are not performance rated.

Multiple sash split variations are available performance will vary.

Egress Notes:

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.

Check all applicable local codes for emergency egress requirements.





Encompass
by Pella®

Sliding
Patio Door



**Air, Water,
& Structural
Performance**

Performance Class & Grade Rating	Water Penetration Resistance	Air Infiltration	Design Pressure	Forced Entry
SGD-R25 - R50	4.5 - 7.5 psf	0.18 - 0.30 psf	25 - 50 psf	10 - 25

**Thermal
Performance**

3/4" Overall
Glass Thickness,
3mm/3mm,
Vent units

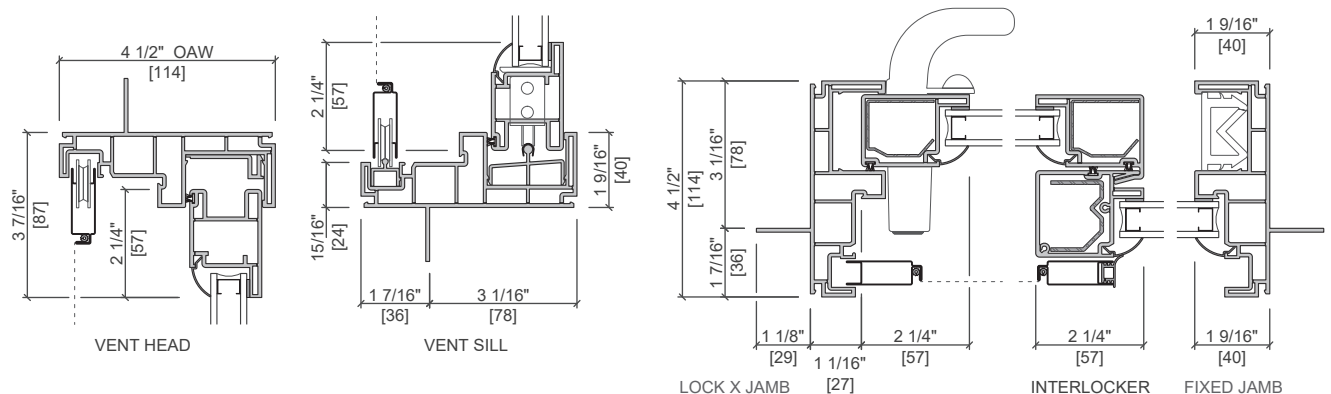
Frame	Type of Glazing (Argon fill)	U-Factor	SHGC	VLT %	CR	EnergyStar® Capable
Standard Sill East & West Region	Advanced Low-E IG	0.28 - 0.31	0.27 - 0.30	0.50 - 0.57	54 - 58	—
	NaturalSun Low-E IG	0.29 - 0.32	0.47 - 0.53	0.57 - 0.65	54 - 57	—
	NaturalSun+ Low-E IG	0.24	0.45 - 0.51	0.55 - 0.63	45	CA
	SunDefense™ Low-E IG	0.27 - 0.31	0.20 - 0.23	0.46 - 0.53	55 - 58	SC, S
	SunDefense+ Low-E IG	0.23	0.20 - 0.22	0.45 - 0.52	47	N, NC, SC, S
High Performance East Region	Advanced Low-E IG	0.28 - 0.31	0.27 - 0.30	0.50 - 0.57	54 - 57	—
	NaturalSun Low-E IG	0.29 - 0.32	0.47 - 0.53	0.57 - 0.65	53 - 56	—
	NaturalSun+ Low-E IG	0.24	0.45 - 0.51	0.55 - 0.63	45	CA
	SunDefense™ Low-E IG	0.27 - 0.31	0.20 - 0.23	0.46 - 0.53	54 - 57	SC, S
	SunDefense+ Low-E IG	0.23	0.20 - 0.22	0.45 - 0.52	46	N, NC, SC, S

**Sound
Performance**

Frame Size Tested	Type of Glazing	STC	OITC
72" x 80"	3/4" with 3mm / 3mm glass	25	22
72" x 80"	1" with 3mm / 3mm glass	25	22

Code Approvals: AAMA Certified; **FPAS#:** Fixed and Vent = FL2646; **TDI#:** Fixed and Vent = DR-205.

Performance varies based on actual product attributes. See the Performance section earlier in this manual to learn more about performance standards and ratings. Highest ratings may require performance upgrade or specific glazing type.



New Construction Frame shown. Other frame types are available. Not to scale. All dimensions are approximate.

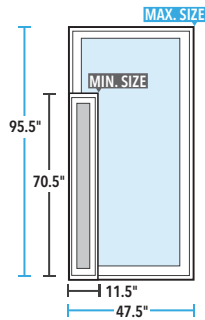
Standard Sizes

Sidelights & Venting Units

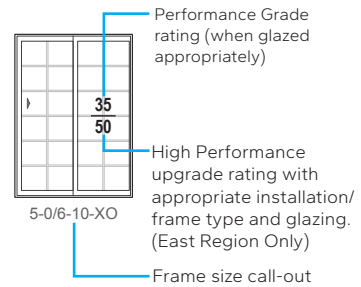
	(748) (735)	(894) (887)	(1 199) (1 192)	(1 505) (1 492)	(1 810) (1 797)	(2 419) (2 407)
Opening	2' 5 7/16"	2' 11 3/16"	3' 11 3/16"	4' 11 1/4"	5' 11 1/4"	7' 11 1/4"
Frame	28 15/16"	34 15/16"	46 15/16"	58 3/4"	70 3/4"	94 3/4"
(2 032) (2 019)						
(2 083) (2 070)						
(2 438) (2 426)						

Special Sizes

Sidelights - Standard Performance



East Region High Performance units are limited to 82" tall

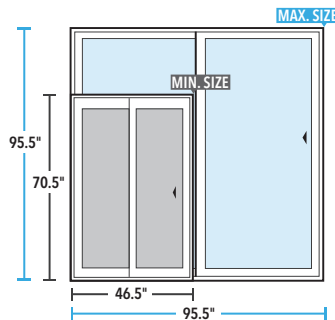


All doors are glazed with tempered glass. Larger units where actual glass is > 20 ft² use 4mm or 5mm glass.

BBC = Available with Blinds-Between-the-Glass.

Not available on High Performance sizes 2-6/6-8-O and 5-0/6-8-XO/OX.

Vent (OX or XO) Standard Performance



East Region High Performance units are limited to 82" tall and 94.75" wide.

Not to scale.

"X" indicates venting or sliding panel and "O" indicates fixed panel as viewed from the exterior.

Doors shown as XO are also available as OX.

All doors and sidelights are glazed with tempered glass.

