



Product Selection Guide

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Supporting documents for this product:

Test Reports

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

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

https://media.pella.com/professional/adm/Vinyl-CSI_Specs/08261_SD-EE.rtf

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

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

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

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

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

https://media.pella.com/professional/adm/Vinyl/VYN-SD-Details_D.dwg

Combination Recommendations:

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

Installation Details:

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

The information published in this document is believed to be accurate at the time of publication. However, because we are constantly working to improve our products, specifications are subject to change without notice. Consult your local Pella representative for up-to-date product information.

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



Encompass by Pella® Sliding Patio Doors

Size and Performance Data

	New Construction Frame		New Construction Frame with 1" Glazing	
	Standard Performance	High Performance (East Region Only)	Standard Performance	High Performance (East Region Only)
Sizes				
Standard sizes	●	●	●	●
Special sizes available built on 1/8" increments	●	●	—	—
Frames				
Nail fin for 3-1/16" wall depth	●	●	●	●
Flush Flange for 4-7/16" wall depth (West Region Only)	●	—	●	—
Performance₁				
Meets or Exceeds AAMA/WDMA Ratings	SGD-R35 Hallmark Certified	SGD-R50 Hallmark Certified	SGD-R35 Hallmark Certified	SGD-R50 Hallmark Certified
Air Infiltration (cfm/ft ² of frame @ 1.57 psf wind pressure.)	0.18	0.30	0.18	0.30
Design Pressure	25–35 psf	50 psf	25–35 psf	50 psf
Water Penetration Resistance	4.5–5.25 psf	7.5 psf	4.5–5.25 psf	7.5 psf
Forced Entry Resistance (Minimum Security Grade)	25	10	25	10
Maximum Operating Force (lbs) (Initiate Motion/Maintain Motion)	25/20	20/15	25/20	25/15

Sound Transmission Class and Outdoor-Indoor Transmission Class

Frame Type	Frame Size Tested ₂	Glazing System			STC Rating	OITC Rating
		Overall Glazing Thickness	Exterior Glass Thickness	Interior Glass Thickness		
4-1/2" New Construction Frame						
Fin Install Sliding Door - Dual Pane Insulating Glass	72" x 80"	3/4"	3mm	3mm	25	22
4-1/2" Replacement Frame (West Region Only)						
Block Frame with Double-Wall Flush Flange - Dual Pane Insulating Glass	72" x 80"	3/4"	3mm	3mm	25	22
4-1/2" New Construction Frame with Blinds Between the Glass						
Fin Install Sliding Door - Dual Pane Insulating Glass	72" x 80"	1"	3mm	3mm	25	22

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(—) = Not Available

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

(2) 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® Sliding Patio Doors

Features and Options

	Nail Fin	Flush Flange	Nail Fin w/ Blinds
Glazing			
Glazing Type			
3/4" Dual-pane insulating glass	S	S	—
1" Dual-pane insulating glass	—	—	S
Insulated Glass Options / Low-E Types			
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	—
Clear (no Low-E coating)	S	S	—
Low-E with Blinds-Between-the-Glass	—	—	S
Additional Glass Options			
Tempered glass	S	S	S
Obscure glass ⁽¹⁾	O	O	—
Gas Fill / High Altitude			
Argon	O	O	—
High altitude (West Region Only)	O	O	—
High altitude with argon (West Region Only)	O	O	—
Interior / Exterior Color (Regional availability may vary)			
White	S	S	S
Almond	O	O	O
Fossil	O	O	O
Grilles-Between-the-Glass			
Grille Types			
3/4" Contour	O	O	—
5/8" Flat (West Region Only)	O	O	—
Grille Patterns			
Traditional	O	O	—
Prairie	O	O	—
Top Row	O	O	—
Blinds-Between-the-Glass			
White	—	—	S
Screens			
Standard screen	S	S	S
Heavy duty screen	O	O	O
Door handle finishes			
Color matched to frame	S	S	S
Additional interior finishes (Satin Nickel, Oil-Rubbed Bronze)	O	O	O
Keyed lock	O	O	O

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

(1) Obscure glass patterns vary based on region.

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



East and West Regions



Encompass by Pella® Sliding Patio Doors

Glazing Performance - Total Unit

Glass Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂	
										Zone				ER	Zone
Venting Standard Sill										N	NC	SC	S	CA	
3/4"	Clear IG	PEL-N-134-00315-00001	3	3	air	0.46	0.64	0.67	43						
	with Grilles-between-the-glass	PEL-N-134-00315-00002				0.46	0.56	0.59	43						
3/4"	Advanced Low-E IG	PEL-N-134-00317-00001	3	3	air	0.31	0.30	0.57	54						
	with Grilles-between-the-glass	PEL-N-134-00317-00002				0.31	0.27	0.50	54						
3/4"	Advanced Low-E IG	PEL-N-134-00320-00001	3	3	argon	0.28	0.30	0.57	58						
	with Grilles-between-the-glass	PEL-N-134-00320-00002				0.28	0.27	0.50	58						
3/4"	NaturalSun Low-E IG	PEL-N-134-00316-00001	3	3	air	0.32	0.53	0.65	54						
	with Grilles-between-the-glass	PEL-N-134-00316-00002				0.32	0.47	0.57	54						
3/4"	NaturalSun Low-E IG	PEL-N-134-00319-00001	3	3	argon	0.29	0.53	0.65	57						
	with Grilles-between-the-glass	PEL-N-134-00319-00002				0.29	0.47	0.57	57						
3/4"	NaturalSun+ Low-E IG	PEL-N-134-00366-00001	3	3	argon	0.24	0.51	0.63	45					38	CA
	with Grilles-between-the-glass	PEL-N-134-00366-00002				0.24	0.45	0.55	45					34	CA
3/4"	SunDefense™ Low-E IG	PEL-N-134-00318-00001	3	3	air	0.31	0.23	0.53	55						
	with Grilles-between-the-glass	PEL-N-134-00318-00002				0.31	0.20	0.46	55						
3/4"	SunDefense™ Low-E IG	PEL-N-134-00323-00001	3	3	argon	0.27	0.22	0.53	58				SC	S	
	with Grilles-between-the-glass	PEL-N-134-00323-00002				0.27	0.20	0.46	58				SC	S	
3/4"	SunDefense+ Low-E IG	PEL-N-134-00367-00001	3	3	argon	0.23	0.22	0.52	47	N	NC	SC	S		
	with Grilles-between-the-glass	PEL-N-134-00367-00002				0.23	0.20	0.45	47	N	NC	SC	S		
3/4"	Clear IG	PEL-N-134-00324-00001	4	4	air	0.46	0.62	0.67	44						
	with Grilles-between-the-glass	PEL-N-134-00324-00002				0.46	0.55	0.58	44						
3/4"	Advanced Low-E IG	PEL-N-134-00326-00001	4	4	air	0.31	0.30	0.56	54						
	with Grilles-between-the-glass	PEL-N-134-00326-00002				0.31	0.27	0.49	54						
3/4"	Advanced Low-E IG	PEL-N-134-00329-00001	4	4	argon	0.28	0.30	0.56	57						
	with Grilles-between-the-glass	PEL-N-134-00329-00002				0.28	0.27	0.49	57						
3/4"	NaturalSun Low-E IG	PEL-N-134-00325-00001	4	4	air	0.32	0.52	0.64	54						
	with Grilles-between-the-glass	PEL-N-134-00325-00002				0.32	0.46	0.56	54						
3/4"	NaturalSun Low-E IG	PEL-N-134-00328-00001	4	4	argon	0.29	0.51	0.64	57						
	with Grilles-between-the-glass	PEL-N-134-00328-00002				0.29	0.46	0.56	57						
3/4"	NaturalSun+ Low-E IG	PEL-N-134-00368-00001	4	4	argon	0.24	0.50	0.63	45					37	CA
	with Grilles-between-the-glass	PEL-N-134-00368-00002				0.24	0.44	0.55	45					34	CA
3/4"	SunDefense™ Low-E IG	PEL-N-134-00327-00001	4	4	air	0.31	0.23	0.52	55						
	with Grilles-between-the-glass	PEL-N-134-00327-00002				0.31	0.20	0.46	55						
3/4"	SunDefense™ Low-E IG	PEL-N-134-00332-00001	4	4	argon	0.27	0.22	0.52	58				SC	S	
	with Grilles-between-the-glass	PEL-N-134-00332-00002				0.27	0.20	0.46	58				SC	S	
3/4"	SunDefense+ Low-E IG	PEL-N-134-00369-00001	4	4	argon	0.23	0.22	0.51	46	N	NC	SC	S		
	with Grilles-between-the-glass	PEL-N-134-00369-00002				0.23	0.20	0.45	46	N	NC	SC	S		

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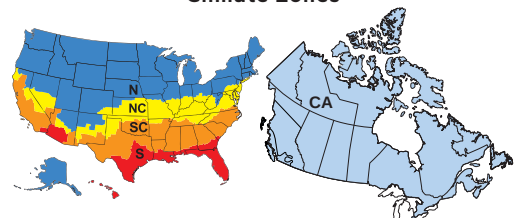
R-Value = 1/U-Factor
 SHGC = Solar Heat Gain Coefficient
 VLT % = Visible Light Transmission
 CR = Condensation Resistance
 ER = Canadian Energy Rating

(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.

For more information, see the ENERGY STAR guidelines.

Climate Zones





Encompass by Pella® Sliding Patio Doors

Glazing Performance - Total Unit

Glass Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂	
										Zone				ER	Zone
Venting Standard Sill										N	NC	SC	S	CA	
3/4"	Clear IG	PEL-N-134-00333-00001	5	5	air	0.47	0.61	0.66	45						
	with Grilles-between-the-glass	PEL-N-134-00345-00001				0.48	0.54	0.58	45						
3/4"	Advanced Low-E IG	PEL-N-134-00335-00001	5	5	air	0.34	0.30	0.56	51						
	with Grilles-between-the-glass	PEL-N-134-00347-00001				0.35	0.27	0.49	51						
3/4"	Advanced Low-E IG	PEL-N-134-00338-00001	5	5	argon	0.29	0.30	0.56	55						
	with Grilles-between-the-glass	PEL-N-134-00347-00001				0.30	0.27	0.49	55						
3/4"	NaturalSun Low-E IG	PEL-N-134-00334-00001	5	5	air	0.35	0.51	0.63	51						
	with Grilles-between-the-glass	PEL-N-134-00346-00001				0.36	0.45	0.56	51						
3/4"	NaturalSun Low-E IG	PEL-N-134-00337-00001	5	5	argon	0.29	0.52	0.65	54						
	with Grilles-between-the-glass	PEL-N-134-00349-00001				0.31	0.45	0.56	54						
3/4"	NaturalSun+ Low-E IG	PEL-N-134-00370-00001	5	5	argon	0.25	0.49	0.62	42					35	CA
	with Grilles-between-the-glass	PEL-N-134-00372-00001				0.27	0.43	0.54	42						
3/4"	SunDefense™ Low-E IG	PEL-N-134-00336-00001	5	5	air	0.33	0.23	0.52	52						
	with Grilles-between-the-glass	PEL-N-134-00348-00001				0.35	0.21	0.46	52						
3/4"	SunDefense™ Low-E IG	PEL-N-134-00341-00001	5	5	argon	0.28	0.23	0.52	55				SC	S	
	with Grilles-between-the-glass	PEL-N-134-00353-00001				0.30	0.20	0.46	55						
3/4"	SunDefense+ Low-E IG	PEL-N-134-00371-00001	5	5	argon	0.24	0.22	0.51	43	N	NC	SC	S		
	with Grilles-between-the-glass	PEL-N-134-00373-00001				0.26	0.20	0.44	43	N	NC	SC	S		
1"	Low-E IG - with Blinds-Between-the-Glass	PEL-N-134-00343-00001	3	3	air	0.39	0.51	0.56	65						

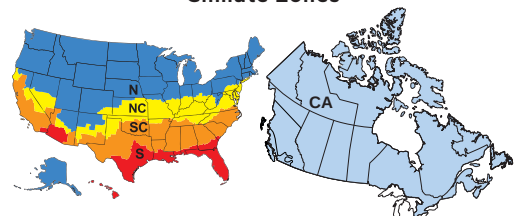
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Climate Zones





Encompass by Pella® Sliding Patio Doors

Glazing Performance - Total Unit

Glass Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂	
										Zone				ER	Zone
Venting High Performance – East Region										N	NC	SC	S	CA	
3/4"	Clear IG	PEL-A-286-00001-00001	3	3	air	0.46	0.64	0.67	43						
	with Grilles-between-the-glass	PEL-A-286-00001-00002				0.46	0.56	0.59	43						
3/4"	Advanced Low-E IG	PEL-A-286-00003-00001	3	3	air	0.31	0.30	0.57	54						
	with Grilles-between-the-glass	PEL-A-286-00003-00002				0.31	0.27	0.50	54						
3/4"	Advanced Low-E IG	PEL-A-286-00006-00001	3	3	argon	0.28	0.30	0.57	57						
	with Grilles-between-the-glass	PEL-A-286-00006-00002				0.28	0.27	0.50	57						
3/4"	NaturalSun Low-E IG	PEL-A-286-00002-00001	3	3	air	0.32	0.53	0.65	53						
	with Grilles-between-the-glass	PEL-A-286-00002-00002				0.32	0.47	0.57	53						
3/4"	NaturalSun Low-E IG	PEL-A-286-00005-00001	3	3	argon	0.29	0.53	0.65	56						
	with Grilles-between-the-glass	PEL-A-286-00005-00002				0.29	0.47	0.57	56						
3/4"	NaturalSun+ Low-E IG	PEL-A-286-00051-00001	3	3	argon	0.24	0.51	0.63	45					38	CA
	with Grilles-between-the-glass	PEL-A-286-00051-00002				0.24	0.45	0.55	45					34	CA
3/4"	SunDefense™ Low-E IG	PEL-A-286-00004-00001	3	3	air	0.31	0.23	0.53	54						
	with Grilles-between-the-glass	PEL-A-286-00004-00002				0.31	0.21	0.46	54						
3/4"	SunDefense™ Low-E IG	PEL-A-286-00009-00001	3	3	argon	0.27	0.22	0.53	57				SC	S	
	with Grilles-between-the-glass	PEL-A-286-00009-00002				0.27	0.20	0.46	57				SC	S	
3/4"	SunDefense+ Low-E IG	PEL-A-286-00052-00001	3	3	argon	0.23	0.22	0.52	46	N	NC	SC	S		
	with Grilles-between-the-glass	PEL-A-286-00052-00002				0.23	0.20	0.45	46	N	NC	SC	S		
3/4"	Clear IG	PEL-A-286-00010-00001	4	4	air	0.45	0.62	0.67	44						
	with Grilles-between-the-glass	PEL-A-286-00010-00002				0.45	0.55	0.58	44						
3/4"	Advanced Low-E IG	PEL-A-286-00012-00001	4	4	air	0.31	0.30	0.56	53						
	with Grilles-between-the-glass	PEL-A-286-00012-00002				0.31	0.27	0.49	53						
3/4"	Advanced Low-E IG	PEL-A-286-00015-00001	4	4	argon	0.28	0.30	0.56	56						
	with Grilles-between-the-glass	PEL-A-286-00015-00002				0.28	0.27	0.49	56						
3/4"	NaturalSun Low-E IG	PEL-A-286-00011-00001	4	4	air	0.32	0.52	0.64	53						
	with Grilles-between-the-glass	PEL-A-286-00011-00002				0.32	0.46	0.56	53						
3/4"	NaturalSun Low-E IG	PEL-A-286-00014-00001	4	4	argon	0.29	0.51	0.64	55						
	with Grilles-between-the-glass	PEL-A-286-00014-00002				0.29	0.46	0.56	55						
3/4"	NaturalSun+ Low-E IG	PEL-A-286-00053-00001	4	4	argon	0.24	0.50	0.63	44					37	CA
	with Grilles-between-the-glass	PEL-A-286-00053-00002				0.24	0.44	0.55	44					34	CA
3/4"	SunDefense™ Low-E IG	PEL-A-286-00013-00001	4	4	air	0.31	0.23	0.52	54						
	with Grilles-between-the-glass	PEL-A-286-00013-00002				0.31	0.21	0.46	54						
3/4"	SunDefense™ Low-E IG	PEL-A-286-00018-00001	4	4	argon	0.27	0.22	0.52	57				SC	S	
	with Grilles-between-the-glass	PEL-A-286-00018-00002				0.27	0.20	0.46	57				SC	S	
3/4"	SunDefense+ Low-E IG	PEL-A-286-00054-00001	4	4	argon	0.23	0.22	0.51	45	N	NC	SC	S		
	with Grilles-between-the-glass	PEL-A-286-00054-00002				0.23	0.20	0.45	45	N	NC	SC	S		

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Encompass by Pella® Sliding Patio Doors

Glazing Performance - Total Unit

Glass Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values ₁				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Int.		U-Factor	SHGC	VLT	CR	U. S.				Canada ₂	
										Zone				ER	Zone
Venting High Performance – East Region										N	NC	SC	S	CA	
3/4"	Clear IG	PEL-A-286-00019-00001	5	5	air	0.47	0.61	0.66	44						
	with Grilles-between-the-glass	PEL-A-286-00031-00001				0.48	0.54	0.59	44						
3/4"	Advanced Low-E IG	PEL-A-286-00021-00001	5	5	air	0.34	0.30	0.56	50						
	with Grilles-between-the-glass	PEL-A-286-00033-00001				0.35	0.27	0.49	50						
3/4"	Advanced Low-E IG	PEL-A-286-00024-00001	5	5	argon	0.29	0.30	0.56	54						
	with Grilles-between-the-glass	PEL-A-286-00036-00001				0.30	0.27	0.49	54						
3/4"	NaturalSun Low-E IG	PEL-A-286-00020-00001	5	5	air	0.34	0.51	0.63	50						
	with Grilles-between-the-glass	PEL-A-286-00032-00001				0.36	0.45	0.56	50						
3/4"	NaturalSun Low-E IG	PEL-A-286-00023-00001	5	5	argon	0.30	0.51	0.63	53						
	with Grilles-between-the-glass	PEL-A-286-00035-00001				0.31	0.45	0.56	53						
3/4"	NaturalSun+ Low-E IG	PEL-A-286-00055-00001	5	5	argon	0.25	0.49	0.62	41					35	CA
	with Grilles-between-the-glass	PEL-A-286-00057-00001				0.27	0.43	0.54	41						
3/4"	SunDefense™ Low-E IG	PEL-A-286-00022-00001	5	5	air	0.33	0.23	0.52	51						
	with Grilles-between-the-glass	PEL-A-286-00034-00001				0.35	0.21	0.46	51						
3/4"	SunDefense™ Low-E IG	PEL-A-286-00027-00001	5	5	argon	0.28	0.23	0.52	54			SC	S		
	with Grilles-between-the-glass	PEL-A-286-00039-00001				0.30	0.20	0.46	54						
3/4"	SunDefense+ Low-E IG	PEL-A-286-00056-00001	5	5	argon	0.24	0.22	0.51	42	N	NC	SC	S		
	with Grilles-between-the-glass	PEL-A-286-00058-00001				0.26	0.20	0.44	42	N	NC	SC	S		

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VLT % = Visible Light Transmission
CR = Condensation Resistance

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

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

For more information, see the ENERGY STAR guidelines.





Grilles

Grille Profiles



5/8" Flat Grille

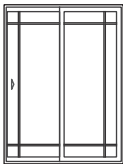


3/4" Contour Grille

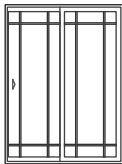
(West Region Only)

Grille Patterns

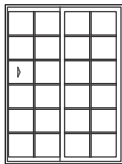
Grilles-Between-the-Glass



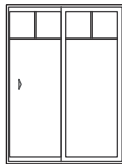
6-Lite Prairie



9-Lite Prairie



Traditional



Top Row

Prairie

- Approximately 6" from edge of sash to center of bar.

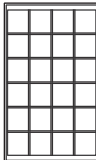
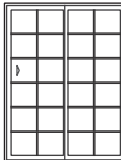
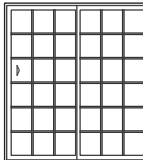
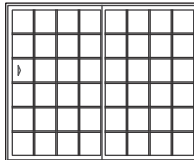
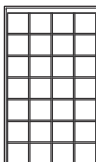
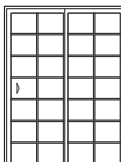
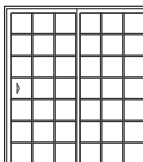
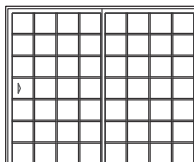
Traditional

- Specify number of lites in each panel - W and H.
- Colonial Grille bars must be equally divided on visible glass.
- Minimum 6" x 6" center-to-center.

Top Row

- Must be less than half of actual glass.

Standard Traditional Grille Breakpoints

		ACTUAL FRAME WIDTHS													
ACTUAL FRAME HEIGHTS	STD-11 1/2" to 17 1/2"	17 1/2" to 17 5/8"	32 5/8" to 44 1/2"	44 5/8" to 47 1/2"	46 1/2" to 65 3/8"	65 1/2" to 89 1/2"	89 5/8" to 94 3/4"								
		17 1/2" to 32 1/2"	44 1/2" to 47 1/2"	47 1/2" to 46 1/2"	65 3/8" to 65 1/2"	89 1/2" to 89 5/8"	94 3/4" to 94 3/4"								
	HP-11 1/2" to 17 1/2"	18 1/2" to 33 1/4"	33 3/8" to 45 1/4"	45 3/8" to 47 1/2"	46 1/2" to 66 3/8"	65 1/2" to 90 1/2"	90 5/8" to 94 3/4"								
		18 1/2" to 33 1/4"	45 1/4" to 47 1/2"	47 1/2" to 46 1/2"	66 3/8" to 65 1/2"	90 1/2" to 90 5/8"	94 3/4" to 94 3/4"								
		PATIO DOOR TRANSOMS													
					4W1H		6W1H		8W1H						
		PATIO DOOR SIDELIGHTS				SLIDING PATIO DOORS									
70 1/2" to 81 7/8"	70 1/2" to 81 7/8"		1W6H		2W6H		3W6H		4W6H		2W6H Vent/ Fixed		3W6H Vent/ Fixed		4W6H Vent/ Fixed
	70 1/2" to 81 7/8"														
82"	82"		1W7H		2W7H		3W7H		4W7H		2W7H Vent/ Fixed		3W7H Vent/ Fixed		4W7H Vent/ Fixed
	82"														

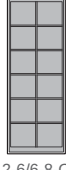
STD = Standard; HP = High Performance



Encompass by Pella® Sliding Patio Doors

Size Tables - East Region

T = Tempered safety glass is standard.

		Transoms					
		(748) (735)	(894) (887)	(1 199) (1 192)	(1 505) (1 492)	(1 810) (1 797)	(2 419) (2 407)
		Opening	Opening	Opening	Opening	Opening	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	Frame	Frame	Frame	Frame	Frame
		28" ¹⁵ / ₁₆ "	34" ¹⁵ / ₁₆ "	46" ¹⁵ / ₁₆ "	58" ³ / ₄ "	70" ³ / ₄ "	94" ³ / ₄ "
Sidelights & Venting Units	(2 032) (2 019)						
	(2 083) (2 070)						
	(2 438) (2 426)						
	6' 8"	5-0/1-3					
	6' 10"	6-0/1-3					
	8' 0"	8-0/1-3					
	79" ¹ / ₂ "						
	81" ¹ / ₂ "						
	95" ¹ / ₂ "						
	2-6/6-8-O	2-6/6-8-O					
	3-0/6-8-O	3-0/6-8-O					
	4-0/6-8-O	4-0/6-8-O					
	5-0/6-8-XO	5-0/6-8-XO					
	6-0/6-8-XO	6-0/6-8-XO					
	8-0/6-8-XO	8-0/6-8-XO					
	2-6/6-10-O	2-6/6-10-O					
	3-0/6-10-O	3-0/6-10-O					
	4-0/6-10-O	4-0/6-10-O					
	5-0/6-10-XO	5-0/6-10-XO					
	6-0/6-10-XO	6-0/6-10-XO					
	8-0/6-10-XO	8-0/6-10-XO					
	2-6/8-0-O	2-6/8-0-O					
	3-0/8-0-O	3-0/8-0-O					
	4-0/8-0-O	4-0/8-0-O					
	5-0/8-0-XO	5-0/8-0-XO					
	6-0/8-0-XO	6-0/8-0-XO					
	8-0/8-0-XO	8-0/8-0-XO					

High Performance Sidelights & Venting Units

		(757) (744)	(910) (897)	(1 214) (1 202)	(1 505) (1 492)	(1 810) (1 797)	(2 419) (2 407)
		Opening	Opening	Opening	Opening	Opening	Opening
		2' 5" ¹³ / ₁₆ "	2' 11" ¹³ / ₁₆ "	3' 11" ¹³ / ₁₆ "	4' 11" ¹ / ₄ "	5' 11" ¹ / ₄ "	7' 11" ¹ / ₄ "
		Frame	Frame	Frame	Frame	Frame	Frame
		29" ⁵ / ₁₆ "	35" ⁵ / ₁₆ "	47" ⁵ / ₁₆ "	58" ³ / ₄ "	70" ³ / ₄ "	94" ³ / ₄ "
High Performance Sidelights & Venting Units	(2 032) (2 019)						
	(2 083) (2 070)						
	6' 8"						
	79" ¹ / ₂ "	2-6/6-8-O					
	81" ¹ / ₂ "	3-0/6-8-O					
	95" ¹ / ₂ "	4-0/6-8-O					
	2-6/6-10-O	2-6/6-10-O					
	3-0/6-10-O	3-0/6-10-O					
	4-0/6-10-O	4-0/6-10-O					
	5-0/6-10-XO	5-0/6-10-XO					
	6-0/6-10-XO	6-0/6-10-XO					
	8-0/6-10-XO	8-0/6-10-XO					

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.

Blinds Between-the-glass are available on select units



East Region Only



Encompass by Pella® Sliding Patio Doors

Size Tables - West Region

Sidelites & Venting Units		Transoms					
		(1 524) (1 511)		(1 829) (1 816)		(2 438) (2 426)	
		Opening 5' 0"		6' 0"		8' 0"	
		Frame 59 1/2"		71 1/2"		95 1/2"	
		(2 032) (2 019)	1' 3"	14 1/2"			
					5-0/1-3	6-0/1-3	8-0/1-3
		(757) (745)	(910) (897)	(1 214) (1 202)	(1 524) (1 511)	(1 829) (1 816)	(2 438) (2 426)
Opening		2' 5 13/16"	2' 11 13/16"	3' 11 13/16"	5' 0"	6' 0"	8' 0"
Frame		29 5/16"	35 5/16"	47 5/16"	59 1/2"	71 1/2"	95 1/2"
(2 032) (2 019)	6' 8"						
	79 1/2"	2-6/6-8-O	3-0/6-8-O	4-0/6-8-O	5-0/6-8-XO	6-0/6-8-XO	8-0/6-8-XO
(2 083) (2 070)	6' 10"						
	81 1/2"	2-6/6-10-O	3-0/6-10-O	4-0/6-10-O	5-0/6-10-XO	6-0/6-10-XO	8-0/6-10-XO
(2 438) (2 426)	8' 0"						
	95 1/2"	2-6/8-0-O	3-0/8-0-O	4-0/8-0-O	5-0/8-0-XO	6-0/8-0-XO	8-0/8-0-XO

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.

Blinds Between-the-glass are available on select units.

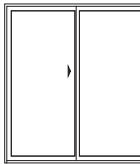




Encompass by Pella® Sliding Patio Doors

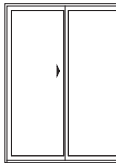
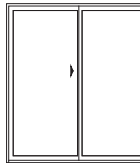
Size Tables - New Construction Frame with 1" Glazing
Blinds-Between-the-Glass

Sidelites & Venting Units

(2 032) (2 019) 6' 8" 79 1/2"		(748) (735)	(894) (887)	(1 505) (1 492)	(1 810) (1 797)
	Opening	2' 5 7/16"	2' 11 3/16"	4' 11 1/4"	5' 11 1/4"
	Frame	28 15/16"	34 15/16"	58 3/4"	70 3/4"
					
		2-6/6-8-O	3-0/6-8-O	5-0/6-8-XO	6-0/6-8-XO



Sidelites & Venting Units

(2 032) (2 019) 6' 8" 79 1/2"		(757) (745)	(910) (897)	(1 524) (1 511)	(1 829) (1 816)
	Opening	2' 5 13/16"	2' 11 13/16"	5' 0"	6' 0"
	Frame	29 5/16"	35 5/16"	59 1/2"	71 1/2"
					
		2-6/6-8-O	3-0/6-8-O	5-0/6-8-XO	6-0/6-8-XO

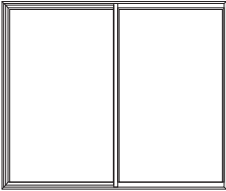


Not to scale.
(1) "X" indicates venting or sliding panel and "O" indicates fixed panel as viewed from the exterior.
Doors shown as XO are also available as OX.
All doors and sidelights are glazed with tempered glass.



Encompass by Pella® Sliding Patio Doors

Special Sizes and Dimensions

Doors		Transoms	
	MINIMUM 46-1/2"W x 70-1/2"H (1 181 x 1 791)		MINIMUM 11-1/2"W x 11-1/2"H (292 x 292)
	East High Performance	East and West Standard Performance	
	MAXIMUM 94-3/4"W x 82"H (2 407 x 2 083)	MAXIMUM 95-1/2"W x 95-1/2"H (2 426 x 2 426)	MAXIMUM 95-1/2"W x 17-1/2"H (2 426 x 445)

General Notes:

- To convert areas to square meters (m²), multiply square feet by 0.0929.
- Maximum width to height ratio on sidelights: 1:8
- Maximum width to height ratio on transoms: 8:1
- High Performance door is available up to 95-1/2 W" x 82" H (East Region Only).

General Notes:

- Minimum 1.1 ft² actual glass size.
- If glass width to height ratio is > 5 to 1, the glass must be tempered.

Sidelights	
	MINIMUM 11-1/2"W x 70-1/2"H (292 x 1 791)
	East High Performance
	East and West Standard Performance
	MAXIMUM 47-1/2"W x 82"H (1 207 x 2 083)

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

Miscellaneous Formulas

	Standard Doors	Sidelights	Transoms
Visible Glass	VGW = (FW ÷ 2) - 3.5625" VGH = FH - 6.875"	VGW = FW - 3.125" VGH = FH - 6.875"	VGW = FW - 3.125" VGH = FH - 3.125"
Standard Frame			
Actual Glass	AGW = (FW ÷ 2) - 2.5625" AGH = FH - 5.875"	AGW = FW - 2.125" AGH = FH - 5.875"	AGW = FW - 2.1258" AGH = FH - 2.125"
Clear Opening	W = (FW ÷ 2) - 4.9375" H = FH - 3.125"	—	—
High Performance (East Region Only)			
Actual Glass	AGW = (FW ÷ 2) - 2.9375" AGH = FH - 6.5"	AGW = FW - 2.875" AGH = FH - 6.5"	AGW = FW - 2.875" AGH = FH - 2.875"
Clear Opening	W = FW ÷ 2 - 5.625" H = FH - 3.875"		

KEY:

AGW = Actual Glass Width
AGH = Actual Glass Height

FW = Frame Width
FH = Frame Height

VGW = Visible Glass Width
VGH = Visible Glass Height



East and West Regions



Encompass by Pella® Sliding Patio Doors

Design Data - East Region

Sliding Patio Door								
Call Out	Frame (Inches)		Clear Opening (Inches)		Vent Area Ft²	Total Unit Visible Glass Area Ft²	Standard Glass Thickness (mm)	Performance Class & Grade¹
	Width	Height	Width	Height			Tempered	
Venting Units — Standard Performance								
5-0/6-8	58-3/4	79-1/2	24-7/16	76-3/8	13.0	26.0	3	R35
6-0/6-8	70-3/4	79-1/2	30-7/16	76-3/8	16.1	32.1	3	R35
8-0/6-8	94-3/4	79-1/2	42-7/16	76-3/8	22.5	44.2	3	R25
5-0/6-10	58-3/4	81-1/2	24-7/16	78-3/8	13.3	26.8	3	R35
6-0/6-10	70-3/4	81-1/2	30-7/16	78-3/8	16.6	33.0	3	R35
8-0/6-10	94-3/4	81-1/2	42-7/16	78-3/8	23.1	45.4	3	R25
5-0/8-0	58-3/4	95-1/2	24-7/16	92-3/8	15.7	31.8	4	R25
6-0/8-0	70-3/4	95-1/2	30-7/16	92-3/8	19.5	39.2	4	R25
8-0/8-0	94-3/4	95-1/2	42-7/16	92-3/8	27.2	53.9	5	R25
Venting Units — High Performance								
5-0/6-8	58-3/4	79-1/2	23-3/4	75-5/8	12.5	25.4	3	R50
6-0/6-8	70-3/4	79-1/2	29-3/4	75-5/8	15.6	31.4	3	R50
8-0/6-8	94-3/4	79-1/2	41-3/4	75-5/8	21.9	43.4	3	R50
5-0/6-10	58-3/4	81-1/2	23-3/4	77-5/8	12.8	26.1	3	R50
6-0/6-10	70-3/4	81-1/2	29-3/4	77-5/8	16.0	32.3	3	R50
8-0/6-10	94-3/4	81-1/2	41-3/4	77-5/8	22.5	44.6	3	R50
Sidelights — Standard Performance								
2-6/6-8	28-15/16	79-1/2	—	—	—	13.0	3	R50
3-0/6-8	34-15/16	79-1/2	—	—	—	16.0	3	R50
4-0/6-8	46-15/16	79-1/2	—	—	—	22.1	3	R50
2-6/6-10	28-15/16	81-1/2	—	—	—	13.4	3	R50
3-0/6-10	34-15/16	81-1/2	—	—	—	16.5	3	R50
4-0/6-10	46-15/16	81-1/2	—	—	—	22.7	3	R50
2-6/8-0	28-15/16	95-1/2	—	—	—	15.9	4	R25
3-0/8-0	34-15/16	95-1/2	—	—	—	19.6	4	R25
4-0/8-0	46-15/16	95-1/2	—	—	—	27.0	5	R25
Sidelights — High Performance								
2-6/6-8	29-5/16	79-1/2	—	—	—	12.8	3	R50
3-0/6-8	35-5/16	79-1/2	—	—	—	15.8	3	R50
4-0/6-8	47-5/16	79-1/2	—	—	—	21.8	3	R50
2-6/6-10	29-5/16	81-1/2	—	—	—	13.1	3	R50
3-0/6-10	35-5/16	81-1/2	—	—	—	16.2	3	R50
4-0/6-10	47-5/16	81-1/2	—	—	—	22.4	3	R50
Transoms								
5-0/1-3	58-3/4	14-1/2	—	—	—	4.4	3	R50
6-0/1-3	70-3/4	14-1/2	—	—	—	5.3	3	R50
8-0/1-3	94-3/4	14-1/2	—	—	—	7.2	3	R50

(—) = Not Applicable

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

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

Larger units where actual glass is > 20 ft² use 4 mm or 5 mm glass.



East Region Only



Encompass by Pella® Sliding Patio Doors

Design Data - West Region

Sliding Patio Door								
Call Out	Frame (Inches)		Clear Opening (Inches)		Vent Area Ft²	Total Unit Visible Glass Area Ft²	Standard Glass Thickness (mm)	Performance Class & Grade¹
	Width	Height	Width	Height			Tempered	
Venting Units								
5-0/6-8	59-1/2	79-1/2	24-13/16	76-3/8	13.2	26.4	3	R35
6-0/6-8	71-1/2	79-1/2	30-13/16	76-3/8	16.3	32.5	3	R35
8-0/6-8	95-1/2	79-1/2	42-13/16	76-3/8	22.7	44.6	4	R25
5-0/6-10	59-1/2	81-1/2	24-13/16	78-3/8	13.5	27.1	3	R35
6-0/6-10	71-1/2	81-1/2	30-13/16	78-3/8	16.8	33.4	3	R35
8-0/6-10	95-1/2	81-1/2	42-13/16	78-3/8	23.3	45.8	4	R25
5-0/8-0	59-1/2	95-1/2	24-13/16	92-3/8	15.9	32.2	3	R25
6-0/8-0	71-1/2	95-1/2	30-13/16	92-3/8	19.8	39.6	4	R25
8-0/8-0	95-1/2	95-1/2	42-13/16	92-3/8	27.5	54.4	5	R25
Sidelights								
2-6/6-8	29-5/16	79-1/2	—	—	—	13.2	3	R35
3-0/6-8	35-5/16	79-1/2	—	—	—	16.2	3	R35
4-0/6-8	47-5/16	79-1/2	—	—	—	22.3	4	R25
2-6/6-10	29-5/16	81-1/2	—	—	—	13.6	3	R35
3-0/6-10	35-5/16	81-1/2	—	—	—	16.7	3	R35
4-0/6-10	47-5/16	81-1/2	—	—	—	22.9	4	R25
2-6/8-0	29-5/16	95-1/2	—	—	—	16.1	3	R25
3-0/8-0	35-5/16	95-1/2	—	—	—	19.8	4	R25
4-0/8-0	47-5/16	95-1/2	—	—	—	27.2	5	R25
Transoms								
5-0/1-3	59-1/2	14-1/2	—	—	—	4.5	3	R35
6-0/1-3	71-1/2	14-1/2	—	—	—	5.4	3	R35
8-0/1-3	95-1/2	14-1/2	—	—	—	7.3	4	R35

(—) = Not Applicable

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

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

Larger units where actual glass is > 20 ft² use 4 mm or 5 mm glass.



West Region Only



Encompass by Pella® Sliding Patio Doors

Design Data - 1" Glazing with Blinds-Between-the-Glass

New Construction Frame with 1" Glazing — East Region Only								
Call Out	Frame (Inches)		Clear Opening (Inches)		Vent Area Ft²	Total Unit Visible Glass Area Ft²	Standard Glass Thickness (mm)	Performance Class & Grade ¹
	Width	Height	Width	Height			Tempered	
Venting Units — Standard Performance								
5-0/6-8	58-3/4	79-1/2	24-7/16	76-3/8	13.0	26.0	3	R35
6-0/6-8	70-3/4	79-1/2	30-7/16	76-3/8	16.1	32.1	3	R35
Sidelights — Standard Performance								
2-6/6-8	28-15/16	79-1/2	—	—	—	13.0	3	R35
3-0/6-8	34-15/16	79-1/2	—	—	—	16.0	3	R35



New Construction Frame with 1" Glazing — West Region Only								
Call Out	Frame (Inches)		Clear Opening (Inches)		Vent Area Ft²	Total Unit Visible Glass Area Ft²	Standard Glass Thickness (mm)	Performance Class & Grade ¹
	Width	Height	Width	Height			Tempered	
Venting Units								
5-0/6-8	59-1/2	79-1/2	24-13/16	76-3/8	13.2	26.4	3	R35
6-0/6-8	71-1/2	79-1/2	30-13/16	76-3/8	16.3	32.5	3	R35
Sidelights								
2-6/6-8	29-5/16	79-1/2	—	—	—	13.2	3	R35
3-0/6-8	35-5/16	79-1/2	—	—	—	16.2	3	R35



(—) = Not Applicable

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

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

Larger units where actual glass is > 20 ft² use 4 mm or 5 mm glass.



Encompass by Pella® Sliding Patio Doors

Detailed Product Description

Frame

- Overall frame depth 4-1/2" new construction frame with continuous integral fin.
- Frame members are mitered and heat fused to provide a fully welded corner assembly.
- Interior and exterior frame surfaces extruded, rigid uPVC.

Door panel

- Door panel consists of extruded, rigid uPVC.
- Panel members are mitered and heat fused to provide a fully welded corner assembly.
- Vent panels have two adjustable rollers, set on stainless steel track cap.

WeatherStripping

- Fin-type pile around perimeter of vent panel.

Glazing System

- Quality float glass complying with ASTM C1036.
- Exterior faced glazed 3/4" Tempered [[clear] [Advanced] [SunDefense™] [SunDefense+] [NaturalSun] [NaturalSun+]; [Clear] [NaturalSun Low-E] [standard obscure⁽¹⁾ [fern (West region only)] [rain (West region only)]] [high altitude [with argon] (West region only)].
- or -
- Exterior faced glazed 1" tempered Low-E sealed insulating glass with Blinds-Between-the-Glass.

Interior / Exterior

- All panel frame members have an integral color extruded throughout the profiles.
- All exposed PVC surfaces are smooth and uniform in appearance.
- Color: [White] [Almond] [Fossil] (Regional availability may vary).

Hardware

- Interior handle and thumblock; finish is [White] [Almond] [Fossil] [Satin Nickel] [Oil-Rubbed Bronze].
- Exterior handle and finish is painted [White] [Almond] [Fossil] to match exterior.
- Vent panel is fully operable for ventilation.
- All fasteners are a corrosion-resistant material compatible with PVC.
- Single-point lock.
- Door rollers are adjustable, permanently-sealed, electroplated steel with organic coated ball-bearing rollers.

Optional Products

Grilles

- Grilles-Between-the-Glass
 - 3/4" contour aluminum Grilles-Between-Glass.
 - Grille bars are factory pre-finished [White] [Almond] [Fossil].
- Grilles-Between-the-Glass (West Region)
 - [5/8" flat] [3/4" contour] aluminum Grilles-Between-Glass.
 - Grille bars are factory pre-finished [White] [Almond] [Fossil].

Blinds

- Blinds-Between-the-Glass
 - White aluminum blinds sealed between dual pane 1" insulating glass.
 - Cordless raise and lower operation.

Hardware

- Keylock with K-keyway cylinder. Finish is [Chrome].

Screens

- [Standard coil frame screen] [heavy duty frame screen] full-size with black vinyl coated 18/14 mesh fiberglass screen cloth complying with ASTM D 3656 and SMA 1201 set in an aluminum frame fitted to door exterior.
- Supplied with four adjustable rollers, latch and latch handle.

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



East and West Regions

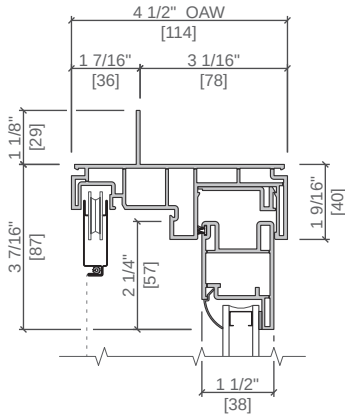


Encompass by Pella® Sliding Patio Doors

Unit Sections - Frame Types

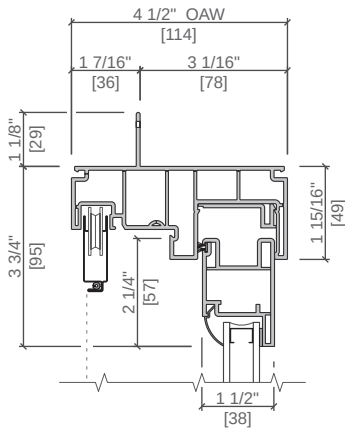
NEW CONSTRUCTION STANDARD FRAME

Standard Nail Fin



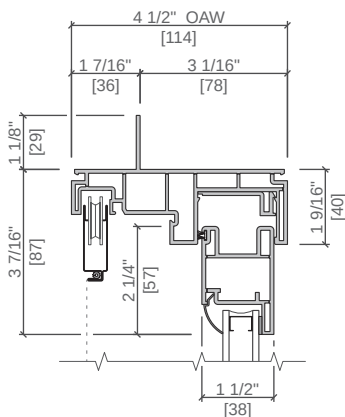
EAST REGION - NEW CONSTRUCTION HIGH PERFORMANCE FRAME

Standard Nail Fin

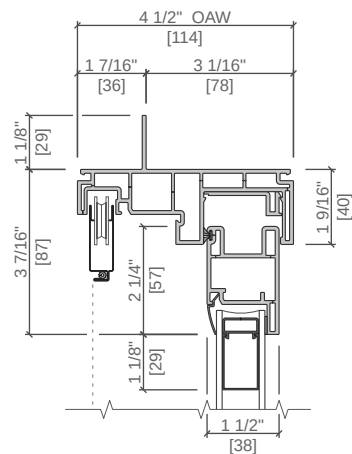


GLAZING OPTIONS

3/4\" IG

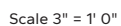


1\" IG with Blinds Between-the-Glass



Scale 3\" = 1' 0"

All dimensions are approximate.

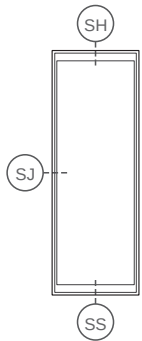


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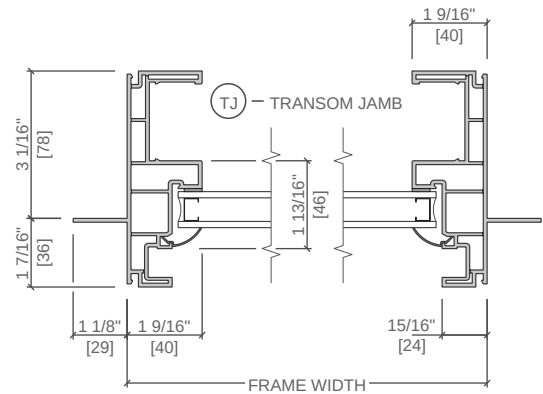
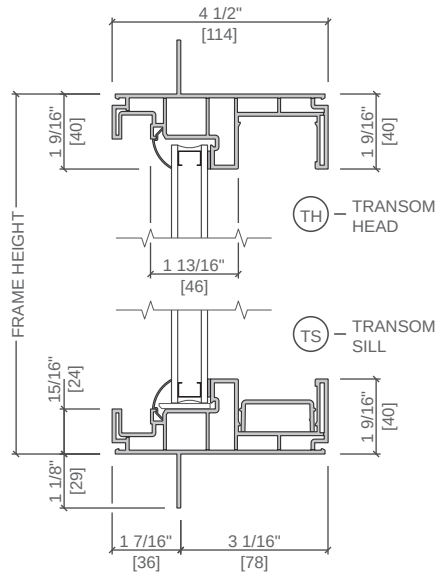
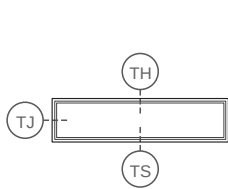
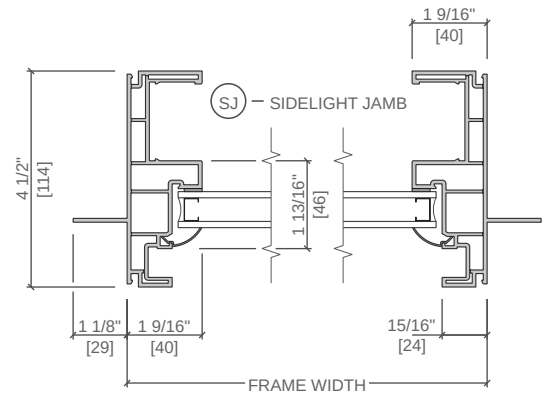
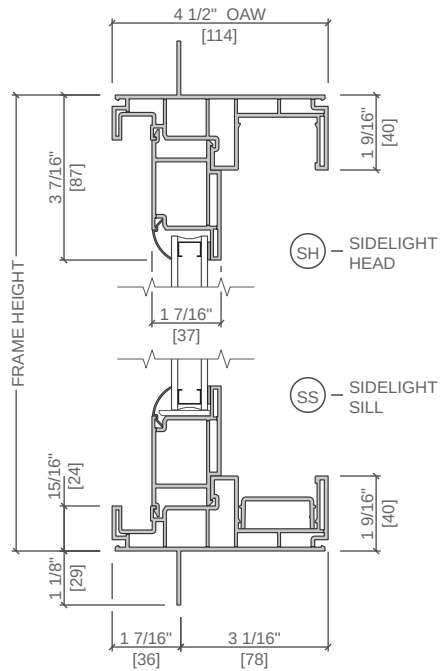


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Unit Sections - New Construction Frame, Standard Performance



East and West Regions

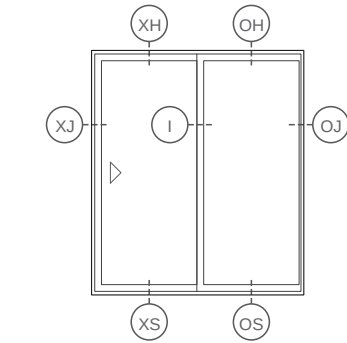


Scale 3" = 1' 0"
All dimensions are approximate.

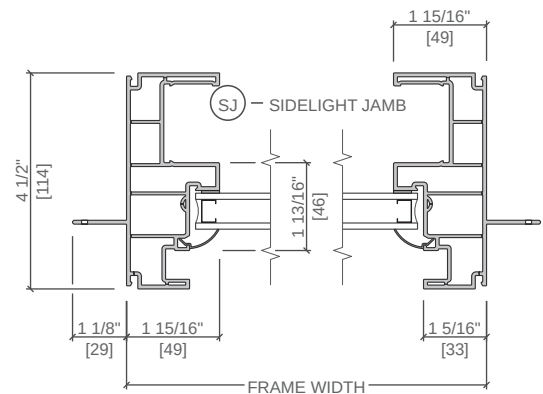
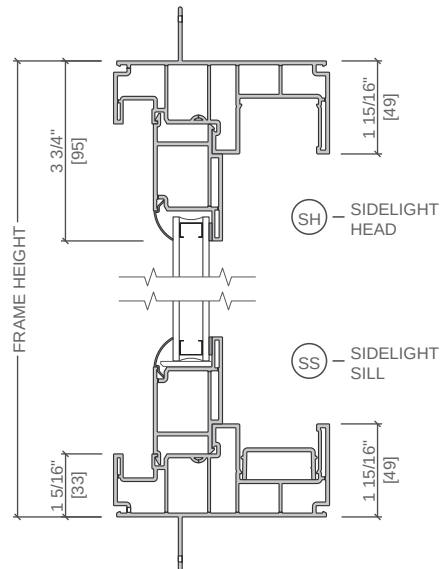
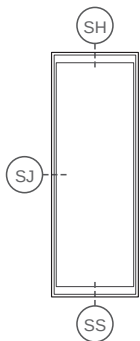
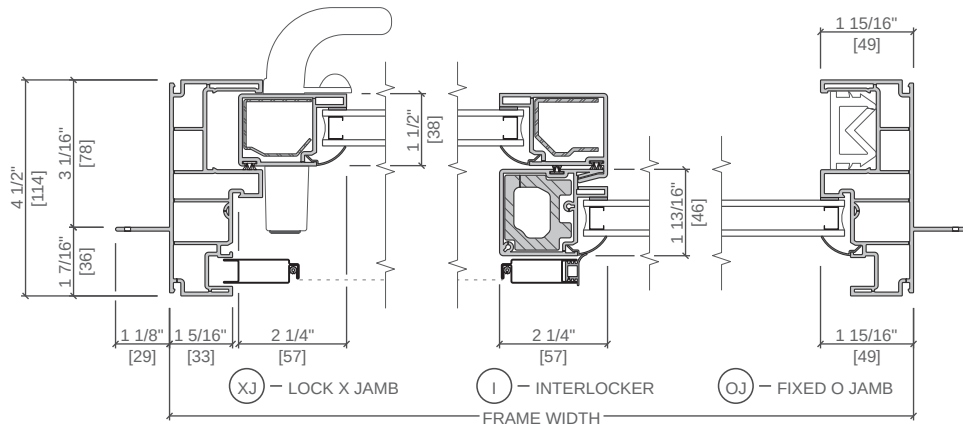
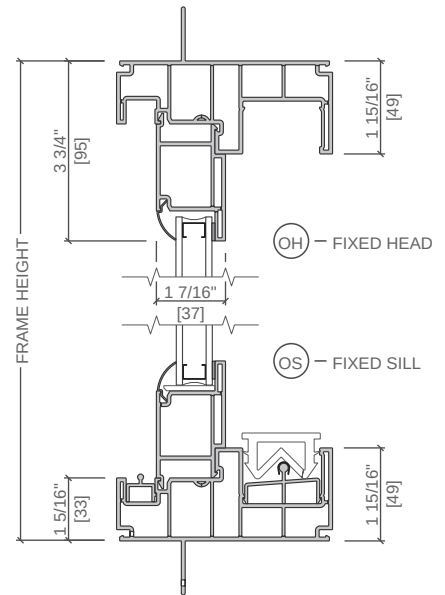
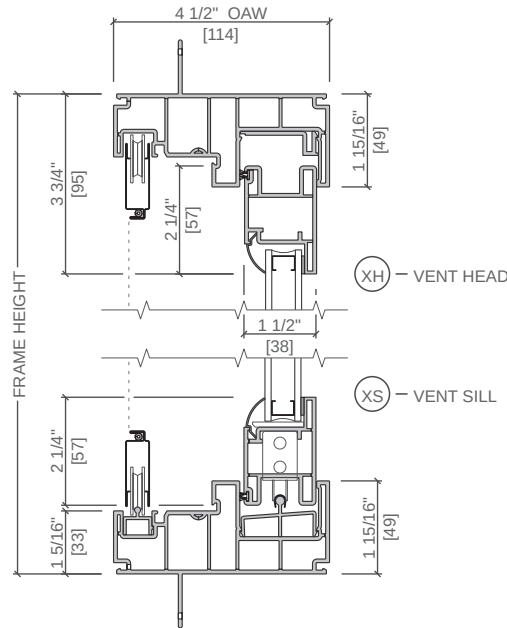


Encompass by Pella® Sliding Patio Doors

Unit Sections - New Construction Frame, High Performance, East Region Only



East Region Only



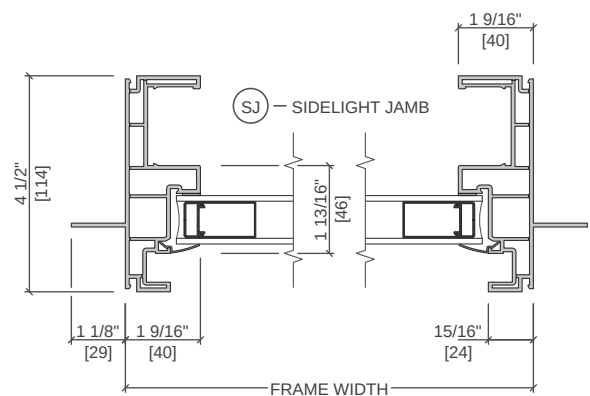
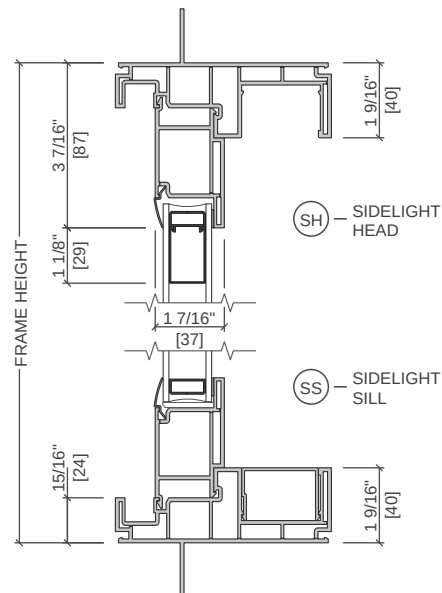
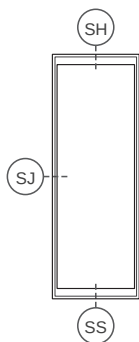
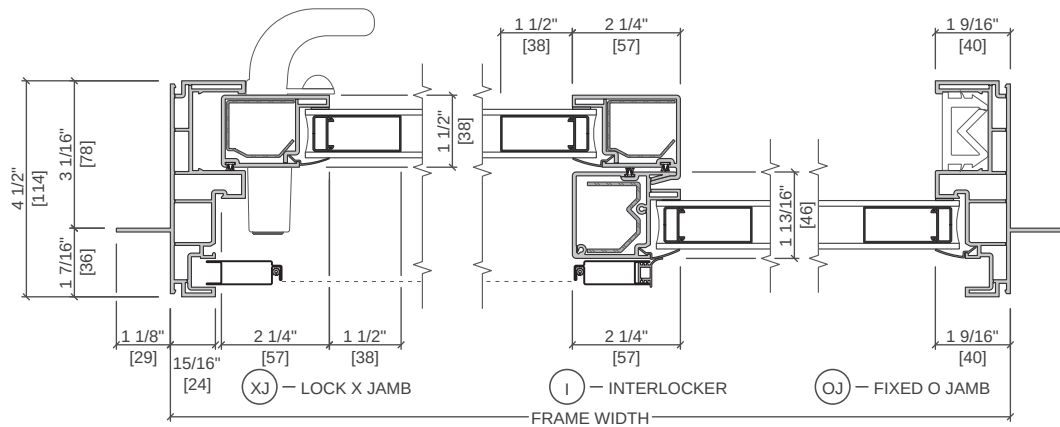
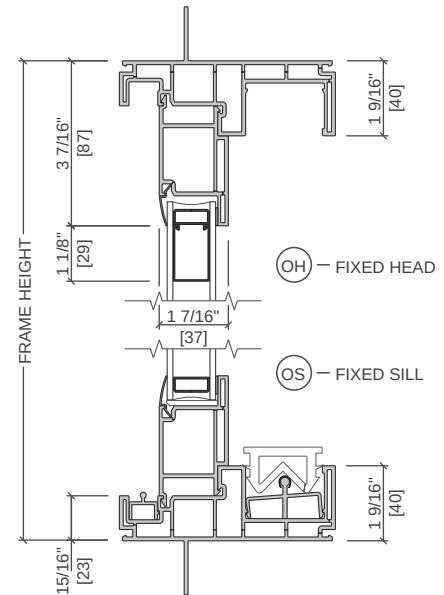
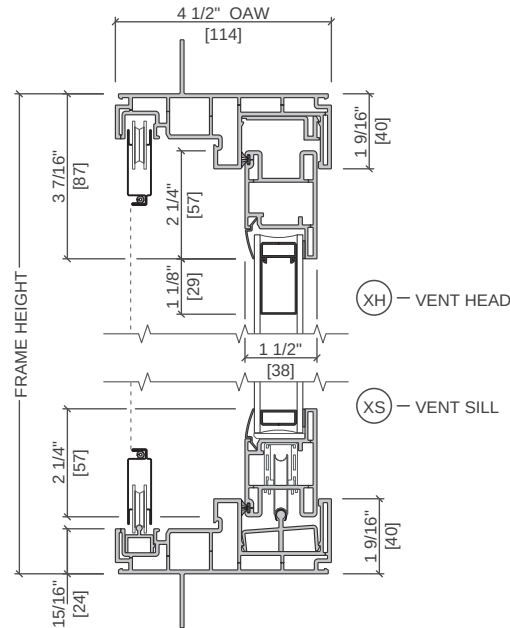
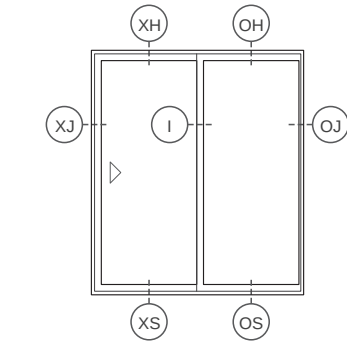
Scale 3" = 1' 0"

All dimensions are approximate.



Encompass by Pella® Sliding Patio Doors

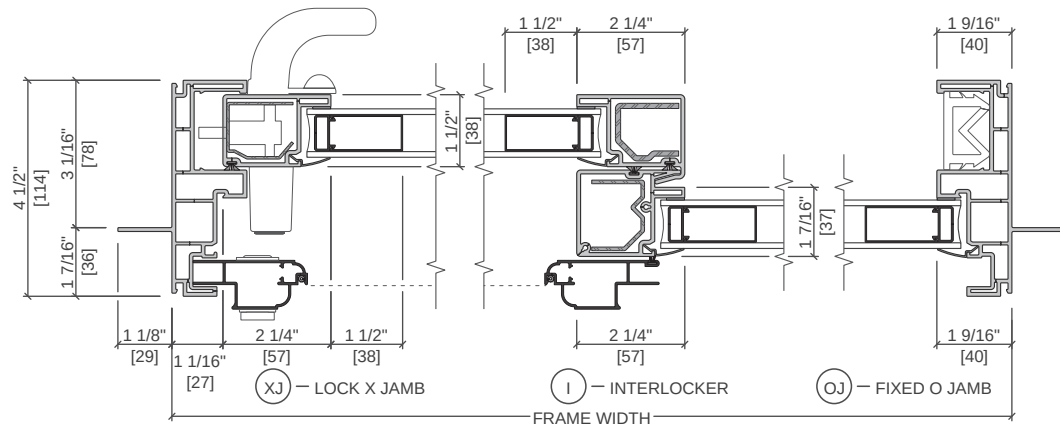
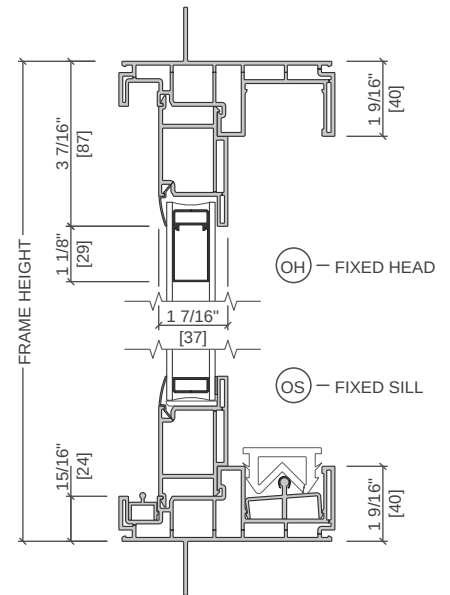
Unit Sections - New Construction Frame, 1" Glazing



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



The diagram shows a rectangular box divided into two equal vertical cells. The left cell contains a circle labeled 'I' with a small triangle inside it. The right cell is empty. Six external nodes are connected to the box: 'XH' and 'OH' at the top, 'XJ' and 'XS' at the bottom, 'OJ' on the right side, and 'OS' on the left side. Each node is connected to the box by a single line.

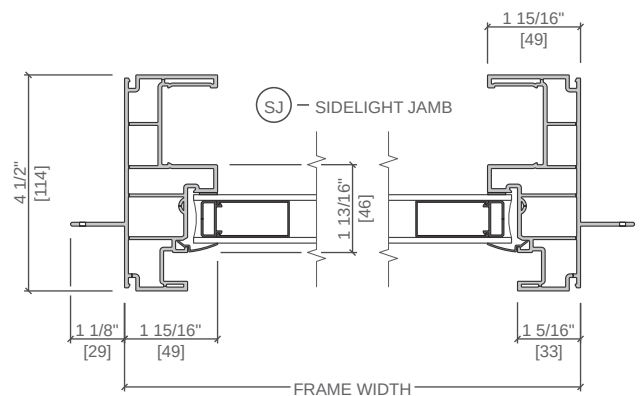
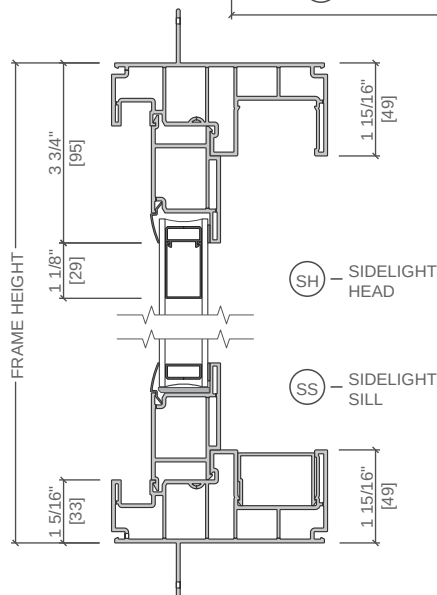
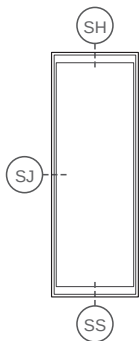
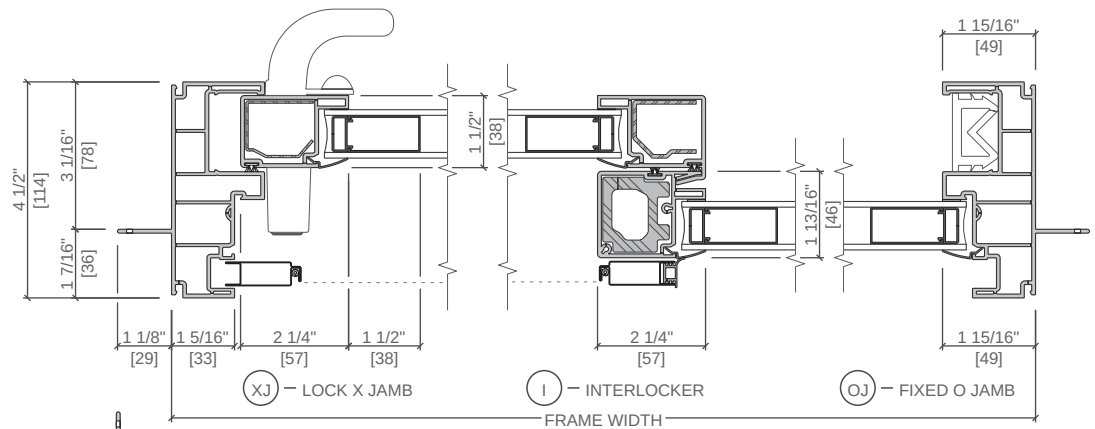
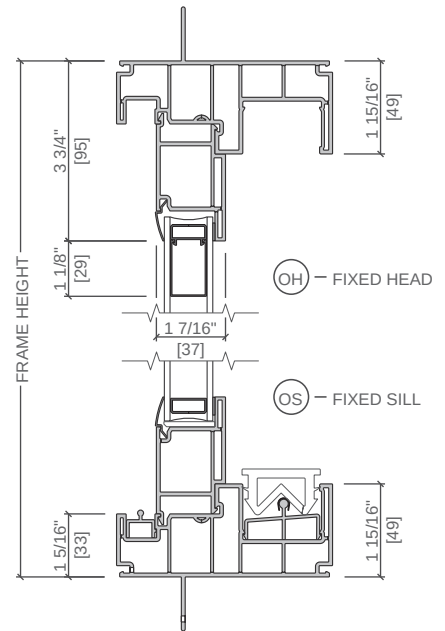
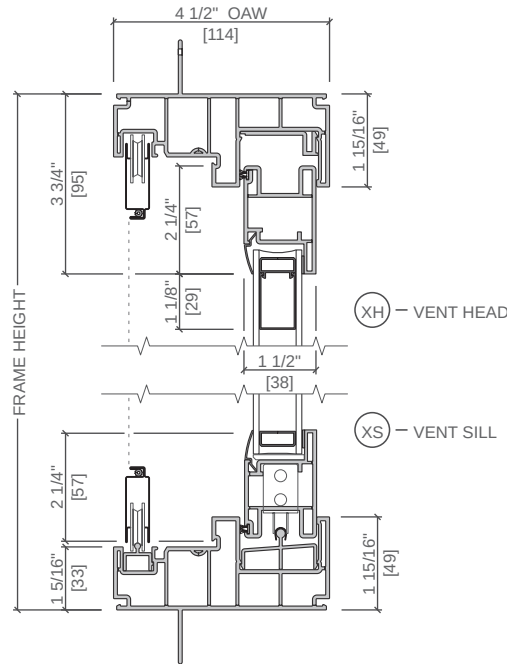
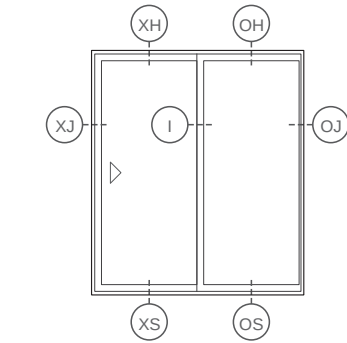


V-SPD-22



Encompass by Pella® Sliding Patio Doors

Unit Sections - New Construction High Performance Frame, 1" Glazing (East Region Only)



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