SLIDING PATIO DOOR

SECTION DIRECTORY



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BRAND SUMMARY



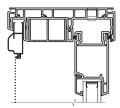
Pella® 350 Series Sliding Patio Doors

feature an extruded, rigid PVC (polyvinyl chloride) frame with heat-fused mitered corners for a fully welded corner assembly. The SmoothSeam™ welded corners on the interior of the frame are virtually invisible. Sliding patio doors meet or exceed industry standards for water infiltration and wind resistance and meet ENERGY STAR® guidelines with dual-pane or triple-pane insulated glass. Door panels are available with optional foam insulation for increased thermal performance.

BLOCK FRAME

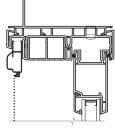
6" Frame Depth

- Block frame can be used in new construction block or concrete walls.
- Block frame may also be used in replacement of old aluminum or steel frame patio doors without removing the existing frame.
- Frame and wall depth are 6" and includes interior and exterior accessory grooves.
- Custom sizes are available in 1/8" increments for a perfect fit.
- Available with 1" double-pane Low-E insulating glass, or 1-3/8" triple-pane Low-E insulating glass.
- Blinds-Between-The-Glass or Shades-Between-The-Glass are available in select door sizes.

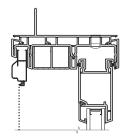


NAIL FIN FRAME DESIGN

- 1" setback for 4-15/16" wall depth
- 1-3/8" setback for 4-9/16" wall depth
- Continuous fin with welded corners adds a protective weather barrier and allows for hassle-free installation.
- The standard 6" frame depth includes interior and exterior accessory
 grooves.
- Custom sizes are available in 1/8" increments for a perfect fit.
- Available with 1" double-pane Low-E insulating glass, or 1-3/8" triple-pane Low-E insulating glass.
- Blinds-Between-The-Glass or Shades-Between-The-Glass are available in select door sizes.



1" Setback Fin



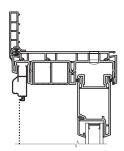
1-3/8" Setback Fin



DOUBLE-WALL FLUSH FLANGE

Replacement Frame Design

- The flush flange frame allows for easy replacement of old aluminum or steel frame patio door without removing the existing frame head or jambs typically used with stucco exteriors in arid climates.
- The frame depth is 6" (overall wall depth of 5-1/2") includes interior accessory groove.
- Custom sizes are available in 1/8" increments for a perfect fit.
- Available with 1" double-pane Low-E insulating glass, or 1-3/8" triple-pane Low-E insulating glass.
- Blinds-Between-The-Glass or Shades-Between-The-Glass are available in select door sizes.





PRODUCT SELECTION GUIDE

Size and Performance Data Sound Transmission Class



SIZES	
Standard Sizes ₁	S
Special Sizes Available Built on 1/8" Increments	0
Frames	
Nail Fin - 1-3/8" setback for 4-9/16" Wall Depth	S
Nail Fin - 1" setback for 4-15/16" Wall Depth	S
Block Frame - 6" Frame Depth	S
Double-Wall Flush Flange - 5-1/2" Wall Depth	0
PERFORMANCE ₂	
Meets or Exceeds AAMA/WDMA Ratings	SGD - R50
Air Infiltration₃ (cfm/ft² of frame @ 1.57 psf wind pressure)	0.14
Design Pressure	50 psf
Water Resistance	7.5 psf
Forced Entry₄	10
Maximum Operating Force (lb) (Initiate Motion / Maintain Motion)	25/13

Sound Transmission Class and Outdoor-Indoor Transmission Class

Frame Size Tested ₅	Overall Glazing Thickness	Exterior Glass Thickness	Interior Glass Thickness	Third Pane Thickness	STC Rating	OITC Rating
SLIDING DOOR	- DUAL PANE I	NSULATING GL	ASS			
71-3/8" x 81-1/2"	1"	3mm	3mm	_	29	23
71-3/8" x 81-1/2"	1"	3mm	5mm	_	33	26
SLIDING DOOR	- HURRICANES	HIELD IMPACT	-RESISTANT LAN	MINATED INSUL	ATING GLASS	;
71-3/8" x 81-1/2"	1"	5mm	12mm SGP	_	34	30
SLIDING DOOR	- TRIPLE-PANE	INSULATING C	ILASS			
71-3/8" x 81-1/2"	1-3/8"	3mm	3mm	3mm	32	26

S = Standard; O = Optional; P = Pending; (-) = Not Available

⁽¹⁾ See size charts in this section for available sizes.

⁽²⁾ Published performance data is for single unit only. Pella* 350 Series Patio Doors do not have mulling capabilities. All products must be installed in separate openings.

⁽³⁾ 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 notes. Actual product performance may vary for a number of reasons including installation and product care.

⁽⁴⁾ The higher the level, the greater the product's ability to resist forced entry.

⁽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. Performance with additional options may not be the same as Standard and Special size units. Please contact your local Pella representative for complete information.



PRODUCT SELECTION GUIDE

Features and Options



GLAZING Glazing Type Dual-pane insulating glass Triple-pane insulating glass Insulated Glass Options / Low-E Types Advanced Low-E S NaturalSun Low-E 0 SunDefense™ Low-E₁ 0 Gray Low-E₁ 0 Bronze-tinted Advanced Low-E₁ 0 Additional Glazing Options Tempered Glass S Obscure Glass 2 0 Low-E insulating glass 0 with blinds-between-the-glass Hurricaneshield® Impact-Resistant Products with laminated 0 single-pane glass 1,3 Hurricaneshield® Impact-Resistant Products with laminated 0 dual-pane insulating glass_{1,3} Noise reduction glass (STC 3mm/5mm combination)₁ 0 Gas Fill / High Altitude S Argon High altitude 0 High altitude with argon 1 0 INTERIOR/EXTERIOR COLOR White S 0 Almond White interior/Brown exterior 0

GRILLES-BETWEEN-THE-GLASS	
Grille Profiles	
3/4" Contour	0
1" Contour	0
Grille Patterns	
Traditional	0
9-Lite Prairie	0
6-Lite Prairie	0
Top Row	0
Custom – Equally Divided	0
BLINDS-BETWEEN-THE-GLASS (SELECT SIZES ONLY 2	<u>.</u>)
White	0
SHADES-BETWEEN-THE-GLASS (SELECT SIZES ONLY	2)
Linen Cellular	0
SCREEN	
No Screen	0
Conventional Fiberglass Sliding Screen	S
Rolscreen® Retractable Screen	0
DOOR HANDLE FINISHES	
Color matched to frame	S
Additional Interior Finishes (Bright Brass, Satin Nickel, Oil-Rubbed Bronze)	0
Keyed Lock	S

S = Standard; O = Optional

⁽¹⁾ Not available with triple-pane glazing.

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

⁽³⁾ Low-E coatings are limited on laminated glass, see Detailed Product Description or Glazing Performance for full details.



1" Insulating Glass



s	NEDG C. 116			ass m)	Gan	F	erfori Valu		е						eet ENERGY STAR® eria in Zones Shown					
Glass Thickness	Type of Glazing	NFRC Certified Product #	Ext.	Int.	Gap Fill	U-Factor	SHGC	WLT %	CR	U.S.					Canada 2					
F			LAU			U-F	SH	7	0		Zo	ne		ER	Z	Zone				
INSU	JLATING GLASS									N	NC	SC	S		1	2	3			
1-3/8"	Advanced Low-E IG with between-the-glass	Options	3	3	air															
-	Blinds Open	PEL-N-161-00853-00001				0.41	0.38	47	43											
	Shade Fully Open	PEL-N-161-00855-00001				0.41	0.38	47	43											
1"	Advanced Low-E IG	PEL-N-161-00825-00001	3	3	air	0.34	0.27	51	56											
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00822-00001				0.34	0.24	45	56											
1"	Advanced Low-E IG	PEL-N-161-00819-00001	3	3	argon	0.30	0.27	51	60											
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00816-00001				0.30	0.24	45	60											
1"	Advanced Low-E IG	PEL-N-161-00827-00001	5	5	air	0.33	0.27	50	55											
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00824-00001				0.33	0.24	44	55											
1"	Advanced Low-E IG	PEL-N-161-00821-00001	5	5	argon	0.30	0.27	50	59											
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00818-00001				0.30	0.24	44	59											
1"	NaturalSun Low-E IG	PEL-N-161-00789-00001	3	3	air	0.34	0.51	58	56											
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00786-00001				0.34	0.44	51	56											
1"	NaturalSun Low-E IG	PEL-N-161-00783-00001	3	3	argon	0.31	0.51	58	59					28						
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00780-00001				0.31	0.45	51	59											
1"	NaturalSun Low-E IG	PEL-N-161-00791-00001	5	5	air	0.34	0.49	57	55											
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00788-00001				0.34	0.43	50	55											
1"	NaturalSun Low-E IG	PEL-N-161-00785-00001	5	5	argon	0.31	0.49	57	58					27						
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00782-00001				0.31	0.43	50	58											
1"	SunDefense™ Low-E IG	PEL-N-161-00837-00001	3	3	air	0.33	0.21	47	57											
-	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00834-00001				0.33	0.18	41	57											
1"	SunDefense™ Low-E IG	PEL-N-161-00831-00001	3	3	argon	0.30	0.20	47	60											
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00828-00001				0.30	0.18	41	60											
1"	SunDefense™ Low-E IG	PEL-N-161-00839-00001	5	5	air	0.33	0.21	47	56											
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00836-00001				0.33	0.18	41	56											
1"	SunDefense™ Low-E IG	PEL-N-161-00833-00001	5	5	argon	0.29	0.20	47	59											
-	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00830-00001				0.29	0.18	41	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 2015 (Version 6) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR® 2015 initiative.

Based on unit size, some products will use 2.5mm glass that may have improved glazing performance from what is shown. See the Product Performance section for more detailed information or visit www.energystar.gov for Energy Star guidelines.





1" Insulating Glass with Tinted Glass



s		Glass (mm)			F	Perform Valu	е					eet ENERGY STAR eria in Zones Show					
Glass Thickness	Type of Glazing	NFRC Certified Product #	Ext.	Int.	Gap Fill	J-Factor	SHGC	VLT %	CR		U.	S.			Cana	ada 2	
F			EXt.	IIIC.		U-Fa	SH	Ϋ́	O		Zone		one		7	Zone	
TIN	TED GLAZING									Ν	NC	SC	S		1	2	3
1"	Bronze Advanced Low-E IG	PEL-N-161-00843-00001	3	3	argon	0.30	0.27	38	60								
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00840-00001				0.30	0.24	33	60								
1"	Bronze Advanced Low-E IG	PEL-N-161-00845-00001	5	5	argon	0.30	0.24	33	59								
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00842-00001				0.30	0.21	29	59								
1"	Gray Low-E IG	PEL-N-161-00807-00001	3	3	argon	0.31	0.19	29	59								
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00804-00001				0.31	0.17	26	59								
1"	Gray Low-E IG	PEL-N-161-00809-00001	5	5	argon	0.30	0.18	28	58								
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00806-00001				0.30	0.16	25	58								
TINT	TED GLAZING – WITH FOAM INS	ERTS															
1"	Bronze Advanced Low-E IG	PEL-N-161-00955-00001	3	3	argon	0.29	0.27	38	60								
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00952-00001				0.29	0.24	33	60								
1"	Bronze Advanced Low-E IG	PEL-N-161-00957-00001	5	5	argon	0.29	0.24	33	59								
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00954-00001				0.29	0.21	29	59								
1"	Gray Low-E IG	PEL-N-161-00919-00001	3	3	argon	0.30	0.19	29	59								
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00916-00001				0.30	0.17	26	59								
1"	Gray Low-E IG	PEL-N-161-00921-00001	5	5	argon	0.29	0.18	28	58								
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00918-00001				0.29	0.16	25	58					ΙŢ	7	T	

R-Value = 1/U-Factor

SHGC = Solar Heat Gain Coefficient

 ${\sf VLT~\%} = {\sf Visible~Light~Transmission}$

 ${\sf CR} = {\sf Condensation} \; {\sf Resistance}$

ER = Canadian Energy Rating

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ENERGY STAR® values are updated to 2015 (Version 6) criteria.

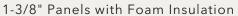
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1-3/8" Insulating Glass





S		NEDC C(C.)		Glass (mm)			Performance Values ₁								eet ENERGY STAR® eria in Zones Shown				
Glass Thickness	Type of Glazing	NFRC Certified Product #	Fxt	Mid.	Int	Gap Fill	U-Factor	SHGC	т%	CR		U.	S.		Canad		ıda 2		
-							U-F.	SH	VLT	0		Zone			ER	Z	Zone		
INSU	JLATING GLASS										Ν	NC	SC	S		1	2	3	
1-3/8"	Advanced Low-E IG	PEL-N-161-00890-00001	3	3	3	air	0.22	0.23	40	62					23				
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00886-00001					0.23	0.21	35	62					21				
1-3/8"	Advanced Low-E IG	PEL-N-161-00884-00001	3	3	3	argon	0.20	0.23	40	62					25				
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00880-00001					0.20	0.21	35	62					24				
1-3/8"	Advanced Low-E IG	PEL-N-161-00891-00001	5	5	5	air	0.24	0.23	39	62					20				
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00888-00001	,				0.25	0.20	34	62					17				
1-3/8"	Advanced Low-E IG	PEL-N-161-00885-00001	5	5	5	argon	0.21	0.23	39	62					24				
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00882-00001					0.22	0.20	34	62					21				
1-3/8"	NaturalSun Low-E IG	PEL-N-161-00866-00001	3	3	3	air	0.26	0.45	53	62					31				
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00862-00001					0.27	0.40	46	62					27				
1-3/8"	NaturalSun Low-E IG	PEL-N-161-00860-00001	3	3	3	argon	0.24	0.45	53	61					33				
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00856-00001					0.24	0.40	46	61					30				
1-3/8"	NaturalSun Low-E IG	PEL-N-161-00867-00001	5	5	5	air	0.28	0.43	52	60					27				
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00864-00001					0.29	0.38	45	60									
1-3/8"	NaturalSun Low-E IG	PEL-N-161-00861-00001	5	5	5	argon	0.26	0.43	52	61					30				
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00858-00001					0.26	0.38	45	61					27				
PAN	ELS – WITH FOAM INSULATION																		
1-3/8"	Advanced Low-E IG	PEL-N-161-01002-00001	3	3	3	air	0.21	0.23	40	64					24				
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00998-00001					0.22	0.21	35	64					22				
1-3/8"	Advanced Low-E IG	PEL-N-161-00996-00001	3	3	3	argon	0.19	0.23	40	64					27				
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00992-00001					0.19	0.21	35	64					26				
1-3/8"	Advanced Low-E IG	PEL-N-161-01003-00001	5	5	5	air	0.23	0.23	39	64					22				
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-01000-00001					0.24	0.20	34	64					19				
1-3/8"	Advanced Low-E IG	PEL-N-161-00997-00001	5	5	5	argon	0.20	0.23	39	64					25				
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00994-00001					0.21	0.20	34	64					22				
1-3/8"	NaturalSun Low-E IG	PEL-N-161-00978-00001	3	3	3	air	0.26	0.45	53	63					31				
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00974-00001					0.26	0.40	46	63					28				
1-3/8"	NaturalSun Low-E IG	PEL-N-161-00972-00001	3	3	3	argon	0.23	0.45	53	63	İ			T	34				
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00968-00001					0.23	0.40	46	63				\neg	32				
1-3/8"	NaturalSun Low-E IG	PEL-N-161-00979-00001	5	5	5	air	0.27	0.43	52	60					28				
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00976-00001					0.28	0.38	45	60					24				
1-3/8"	NaturalSun Low-E IG	PEL-N-161-00973-00001	5	5	5	argon	0.25	0.43	52	63					31				
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00970-00001					0.25	0.38	45	63					28				

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VLT % = Visible Light Transmission

CR = Condensation Resistance

ER = Canadian Energy Rating

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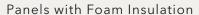
 $Based \ on \ unit \ size, some \ products \ will \ use \ 2.5mm \ glass \ that \ may \ have \ improved \ glazing \ performance \ from \ what \ is \ shown.$

See the Product Performance section for more detailed information or visit www.energystar.gov for Energy Star guidelines.





1" Insulating Glass





s			Glass (mm)			F	Perfori Valu		е					eet ENERGY STAR® eria in Zones Shown				
Glass Thickness	Type of Glazing	NFRC Certified Product #	F	lt	Gap Fill	U-Factor	SHGC	VLT %	CR	U.S.				Canada 2				
È			EXT.	Int.		U-Fa	SH	ΛĽ	O	Zone			ER	7	Zone			
PAN	ELS - WITH FOAM INSULATION									N	NC	SC	S		1	2	3	
1-3/8"	Advanced Low-E IG with between-the-glass	Options	3	3	air													
	Blinds Open	PEL-N-161-00965-00001				0.40	0.38	47	43									
	Shade Fully Open	PEL-N-161-00967-00001				0.40	0.38	47	43									
1"	Advanced Low-E IG	PEL-N-161-00937-00001	3	3	air	0.33	0.27	51	56									
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00934-00001				0.33	0.24	45	56									
1"	Advanced Low-E IG	PEL-N-161-00931-00001	3	3	argon	0.29	0.27	51	60									
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00928-00001				0.29	0.24	45	60									
1"	Advanced Low-E IG	PEL-N-161-00939-00001	5	5	air	0.32	0.27	50	56									
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00936-00001				0.32	0.24	44	56									
1"	Advanced Low-E IG	PEL-N-161-00933-00001	5	5	argon	0.29	0.27	50	59									
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00930-00001				0.29	0.24	44	59									
1"	NaturalSun Low-E IG	PEL-N-161-00901-00001	3	3	air	0.33	0.51	58	56					25				
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00898-00001				0.33	0.44	51	56									
1"	NaturalSun Low-E IG	PEL-N-161-00895-00001	3	3	argon	0.30	0.51	58	59					29				
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00892-00001				0.30	0.45	51	59					26				
1"	NaturalSun Low-E IG	PEL-N-161-00903-00001	5	5	air	0.33	0.49	57	55									
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00900-00001				0.33	0.43	50	55									
1"	NaturalSun Low-E IG	PEL-N-161-00897-00001	5	5	argon	0.30	0.49	57	58					28				
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00894-00001				0.30	0.43	50	58					25				
1"	SunDefense™ Low-E IG	PEL-N-161-00949-00001	3	3	air	0.32	0.21	47	57									
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00946-00001				0.32	0.18	41	57									
1"	SunDefense™ Low-E IG	PEL-N-161-00943-00001	3	3	argon	0.29	0.20	47	60									
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00940-00001				0.29	0.18	41	60							\neg		
1"	SunDefense™ Low-E IG	PEL-N-161-00951-00001	5	5	air	0.32	0.21	47	56									
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00948-00001				0.32	0.18	41	56									
1"	SunDefense™ Low-E IG	PEL-N-161-00945-00001	5	5	argon	0.28	0.20	47	59									
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00942-00001				0.28	0.18	41	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 2015 (Version 6) criteria.

(2) The values shown are based on Canada's updated ENERGY STAR $\hspace{-0.6em}^{\circ}$ 2015 initiative.

Based on unit size, some products will use 2.5mm glass that may have improved glazing performance from what is shown. See the Product Performance section for more detailed information or visit www.energystar.gov for Energy Star guidelines.





HURRICANESHIELD® IMPACT RESISTANT GLAZING PERFORMANCE - TOTAL UNIT

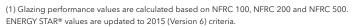


S	Glass (mm)			F	erforr Valu					eet ENERGY STAR® ria in Zones Shown							
Glass Thickness	Type of Glazing	NFRC Certified Product #			Gap Fill	U-Factor	3C	VLT %	CR	U. S.			Canada 2				
È			EXT.	Int.		U-Fa	SHGC	ΥĽ	Ö		Zone		ne		7	Zone	
INSU	JLATING GLASS									N	NC	SC	S		1	2	3
1"	Advanced Low-E IG PVB	PEL-N-161-01015-00001	5	12	air	0.34	0.27	48	53								
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-01013-00001				0.38	0.24	42	53								
1"	Advanced Low-E IG PVB	PEL-N-161-01012-00001	5	12	argon	0.30	0.27	48	56								
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-01010-00001				0.34	0.23	42	56								
1"	SunDefense™ Low-E IG PVB	PEL-N-161-01027-00001	5	12	air	0.34	0.21	45	53								
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-01025-00001				0.38	0.18	39	53								
1"	SunDefense™ Low-E IG PVB	PEL-N-161-01024-00001	5	12	argon	0.30	0.20	45	57								
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-01022-00001				0.33	0.18	39	57								
TIN	TED INSULATING GLASS																
1"	Advanced Low-E IG	PEL-N-161-00933-00001	5	5	argon	0.29	0.27	50	59								
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00930-00001				0.29	0.24	44	59								
1"	NaturalSun Low-E IG	PEL-N-161-00901-00001	3	3	air	0.33	0.51	58	56								
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00898-00001				0.33	0.44	51	56								
1"	NaturalSun Low-E IG	PEL-N-161-00895-00001	3	3	argon	0.30	0.51	58	59								
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00892-00001				0.30	0.45	51	59								
1"	NaturalSun Low-E IG	PEL-N-161-00903-00001	5	5	air	0.33	0.49	57	55								
	with 3/4" or 1" grilles-between-the-glass	PEL-N-161-00900-00001				0.33	0.43	50	55								
SIN	GLE LAMINATED GLASS																
7/16"	Clear PVB	PEL-N-161-01030-00001	12	NA	NA	0.79	0.54	63	16								
7/16"	SunDefense PVB	PEL-N-161-01028-00001	12	NA	NA	0.48	0.25	50	8								
7/16"	Bronze Tint PVB	PEL-N-161-01029-00001	12	NA	NA	0.78	0.38	27	17								
7/16"	Gray Tint PVB	PEL-N-161-01031-00001	12	NA	NA	0.78	0.35	20	17								

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

CR = Condensation Resistance

ER = Canadian Energy Rating



(2) The values shown are based on Canada's updated ENERGY STAR® 2015 initiative.

Based on unit size, some products will use 2.5mm glass that may have improved glazing performance from what is shown. See the Product Performance section for more detailed information or visit www.energystar.gov for Energy Star guidelines.





HURRICANESHIELD® IMPACT-RESISTANT

Sliding Patio Doors



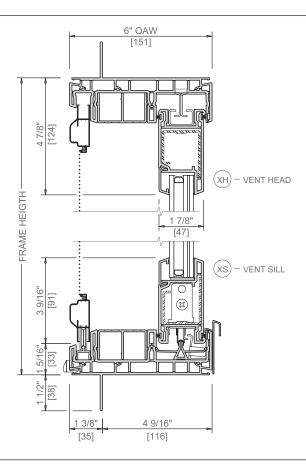
For a complete list of the HurricaneShield Impact-Resistant Glazing ratings, refer to the Coastal and High Winds section.

Product	Miami-Dade Co	ounty Certified ₁	Florida Product Appro	Texas Dept.	Hallmark						
Floduct	Design Pressure	NOA	Design Pressure	FPAS	(TDI)	Certified					
	7/16" - IMPACT RES	STANT SINGLE-LAMIN	ATED SGP								
Vent Units 2-panel (OX/XO)	+/-50 to +/-75	11-1026.15	+/-50 to +65/-75	FL14189	DR-697	411-H-1120					
and 3-panel (OXO)	1" - IMPACT RESISTA	NT INSULATED GLASS	SGP								
	+/-50 to +/-75	11-1026.15	+/-50 to +65/-75	FL14189	DR-697	411-H-1120					
V	7/16" - IMPACT RES	STANT SINGLE-LAMIN	ATED SGP								
Vent Units 4-panel	_	_	+/-50	FL14189	DR-697	411-H-1120					
(OXXO)	1" - IMPACT RESISTANT INSULATED GLASS SGP										
	-	_	+/-50	FL14189	DR-697	411-H-1120					
	7/16" - IMPACT RES	STANT SINGLE-LAMIN	ATED SGP								
Fixed Units	-	_	+/-50 to +65/-75	FL14189	_	411-H-1120					
(O)	1" - IMPACT RESISTA	NT INSULATED GLASS	SGP								
	-	_	+/-50 to +65/-75	FL14189	DR-696	411-H-1120					

⁽⁻⁾ = Not Applicable; (P) = Pending

For clear opening, vent area, visible glass, and frame area see Design Data pages.

UNIT SECTIONS _



LC50 units will have a 3/8" sill riser and all LC65 units have a 1" sill riser.

All dimensions are approximate.

⁽¹⁾ Units are tested for air/water/structural and impact-resistance, and certified for wind zone 4, large missile rating D.

⁽²⁾ Units are tested for air/water/structural and impact-resistance, and certified for wind zone 3, large missile rating C. Not approved for use in Miami-Dade County, Florida.

Florida Product Approval System number not needed if Miami-Dade County certified.

⁽⁻⁾ = Not Applicable

Scale 3" = 1' 0"

 $^{350\,}Series\,Hurricane Shield\,patio\,doors\,do\,not\,have\,mulling\,capabilities.\,All\,products\,must\,be\,installed\,in\,separate\,openings.$

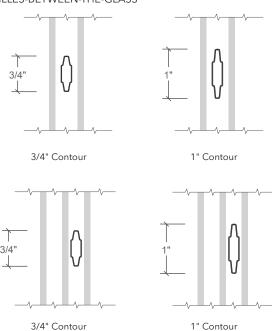


GRILLE TYPES



Grille Profiles

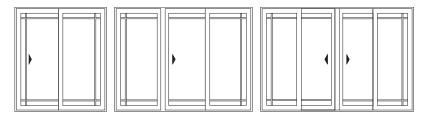
GRILLES-BETWEEN-THE-GLASS



Appearance of exterior grille color will vary depending on Low-E glass coating.

Grille Patterns

PRAIRIE PATTERNS



6-Lite Prairie

•

9-Lite Prairie

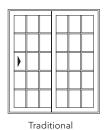
6-Lite Prairie

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

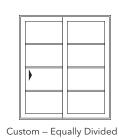
9-Lite Prairie

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

OTHER AVAILABLE PATTERNS







Traditional

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

Top Row

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

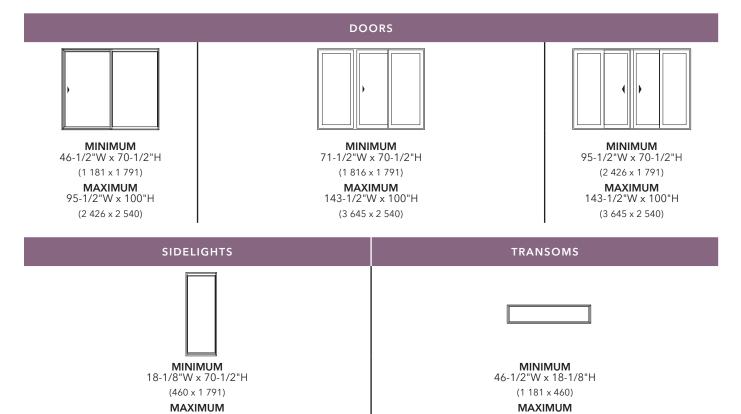
350-SPD-11



SPECIAL SIZE FRAME DIMENSIONS

Miscellaneous Formulas





General Notes:

• Special sizes are available within the parameters shown on 1/8" increments.

47-1/2"W x 100"H

(1 207 x 2 540)

• FH = RO - 0.5"; FW = RO - 0.5"

Miscellaneous Formulas

	Panel Height = FH - 2.625"
PANEL	XO / OX Panel Width = FW/2 - 2.625"
PANEL	OXO Panel Width = FW/3 - 0.25"
	OXXO Panel Width = FW/4 + .719"
	Glass Height = FH - 8.125"
ACTUAL	XO / OX Glass Width = FW/2 - 4.875"
GLASS	OXO Glass Width = FW/3 - 5.729"
	OXXO Glass Width = FW/4 - 4.781"
	VG Height = FH - 9.75"
VISIBLE	XO / OX VG Width = FW/2 - 6.5"
GLASS	OXO VG Width = FW/3 - 7.354"
	OXXO VG Width = FW/4 - 6.406"
	Height = FH - 3.75"
CLEAR	XO / OX Clear Opening Width = FW/2 - 8.625"
OPENING	OXO Clear Opening Width = FW/3 - 9.481"
	OXXO Clear Opening Width = FW/2 - 16.093"

TRANSOMS / SIDELIGHTS

100"W x 47-1/2"H

(2 731 x 1 207)

DANE	Panel Height = FH - 2.312"				
PANEL	Panel Width = FW - 2.312"				
ACTUAL	Glass Height = FH -7.812"				
GLASS	Glass Width = FW -7.812"				
VISIBLE	VG Height = FH - 9.437"				
GLASS	VG Width = FW - 9.437"				
CLEAR OPENING	Not Applicable				

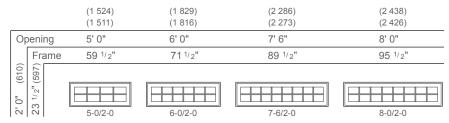


SIZE TABLES

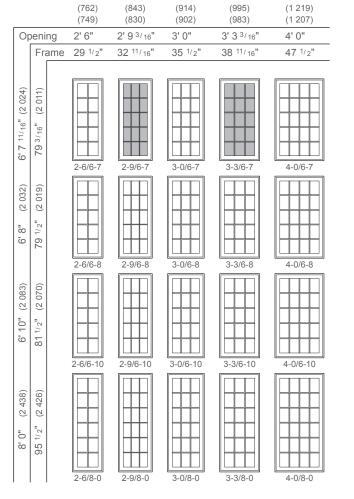
Transoms, Fixed and 2-Panel



Transoms



Sidelights



2-Panel (XO₁)

(1524)

	(1 511)	(1 816)	(2 426)		
Opening	5' 0"	6' 0"	8' 0"		
Frame	59 1/2"	71 1/2"	95 1/2"		
6'8" (2 032) 79 1/2" (2 019))	D III	þ		
	5-0/6-8	6-0/6-8	8-0/6-8		
6' 10" (2 083) 81 ¹ / ₂ " (2 070))))		
	5-0/6-10	6-0/6-10	8-0/6-10		
8' 0" (2 438) 95 ¹ / ₂ " (2 426))))		
	5-0/8 0	6-0/8 0	8-0/8-0		

(1829)

(2438)

Combinations require reinforcing mullions between units.

All doors, transoms and sidelights are glazed with tempered glass.

Available with Blinds-Between-The-Glass or Shades-Between-The-Glass.

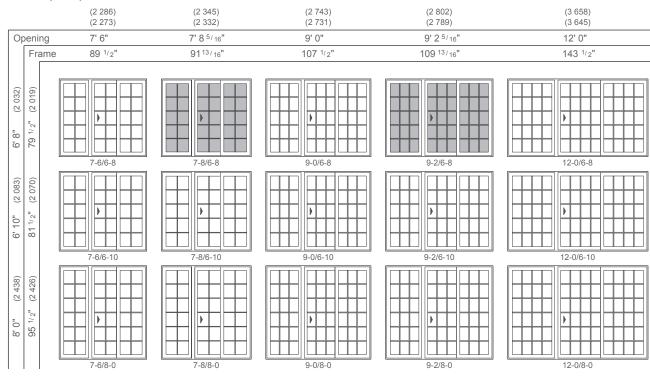


SIZE TABLES

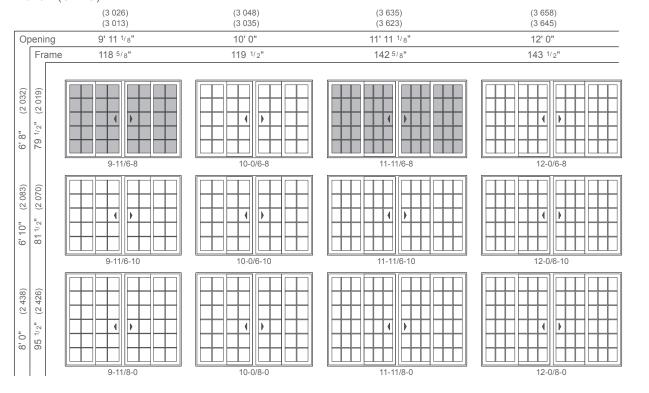
3 and 4-Panel



3-Panel (OXO)



4-Panel (OXXO)



Combinations require reinforcing mullions between units.

(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.

 $\label{prop:section} \mbox{Available with Blinds-Between-The-Glass or Shades-Between-The-Glass.}$



DESIGN DATA

2-, 3-, and 4-Panel



PELLA® 350 SERIES SLIDING PATIO DOOR									
Call Out	Frame		Clear Opening		Vent	Total Unit Visible	Standard Glass Thickness (mm)		Performance
	Width (Inches)	Height (Inches)	Width (Inches)	Height (Inches)	Area Ft ²	Glass Area Ft ²	Annealed	Tempered	Class & Grade ₁
XO/OX VENTII	NG UNITS								
5-0/6-8	59-1/2	79-1/2	21-1/8	75-3/4	11.1	22.5	_	3.0	R50
6-0/6-8	71-1/2	79-1/2	27-1/8	75-3/4	14.3	28.3	-	3.0	R50
8-0/6-8	95-1/2	79-1/2	39-1/8	75-3/4	20.6	40.0	_	3.0	R50
5-0/6-10	59-1/2	81-1/2	21-1/8	77-3/4	11.4	23.2	_	3.0	R50
6-0/6-10	71-1/2	81-1/2	27-1/8	77-3/4	14.6	29.1	_	3.0	R50
8-0/6-10	95-1/2	81-1/2	39-1/8	77-3/4	21.1	41.1	_	3.0	R50
5-0/8-0	59-1/2	95-1/2	21-1/8	91-3/4	13.5	27.7	_	3.0	R50
6-0/8-0	71-1/2	95-1/2	27-1/8	91-3/4	17.3	34.8	_	3.0	R50
8-0/8-0	95-1/2	95-1/2	39-1/8	91-3/4	24.9	49.1	-	5.0	R50
OXO VENTING	UNITS								
7-6/6-8	89-1/2	79-1/2	20-3/8	75-3/4	10.7	32.7	-	3.0	R50
7-8/6-8	91-13/16	79-1/2	21-1/8	75-3/4	11.1	33.8	_	3.0	R50
9-0/6-8	107-1/2	79-1/2	26-3/8	75-3/4	13.9	41.4	_	3.0	R50
9-2/6-8	109-13/16	79-1/2	27-1/8	75-3/4	14.3	42.5	_	3.0	R50
12-0/6-8	143-1/2	79-1/2	38-3/8	75-3/4	20.2	58.8	_	3.0	R50
7-6/6-10	89-1/2	81-1/2	20-3/8	77-3/4	11.0	33.6	_	3.0	R50
7-8/6-10	91-13/16	81-1/2	21-1/8	77-3/4	11.4	34.8	_	3.0	R50
9-0/6-10	107-1/2	81-1/2	26-3/8	77-3/4	14.2	42.6	_	3.0	R50
9-2/6-10	109-13/16	81-1/2	27-1/8	77-3/4	14.6	43.7	_	3.0	R50
12-0/6-10	143-1/2	81-1/2	38-3/8	77-3/4	20.7	60.5	_	3.0	R50
7-6/8-0	89-1/2	95-1/2	20-3/8	91-3/4	13.0	40.2	_	3.0	R50
7-8/8-0	91-13/16	95-1/2	21-1/8	91-3/4	13.5	41.5	_	3.0	R50
9-0/8-0	107-1/2	95-1/2	26-3/8	91-3/4	16.8	50.9	_	3.0	R50
9-2/8-0	109-13/16	95-1/2	27-1/8	91-3/4	17.3	52.3	_	3.0	R50
12-0/8-0	143-1/2	95-1/2	38-3/8	91-3/4	24.4	72.3	_	5.0	R50
OXXO VENTIN	IG UNITS								
9-11/6-8	118-5/8	79-1/2	37-3/4	75-3/4	19.9	51.2	-	3.0	R50
10-0/6-8	119-1/2	79-1/2	38-1/4	75-3/4	20.1	51.6	_	3.0	R50
11-11/6-8	142-5/8	79-1/2	49-13/16	75-3/4	26.2	62.8	_	3.0	R50
12-0/6-8	143-1/2	79-1/2	50-1/4	75-3/4	26.4	63.2	_	3.0	R50
9-11/6-10	118-5/8	81-1/2	37-3/4	77-3/4	20.4	52.6	_	3.0	R50
10-0/6-10	119-1/2	81-1/2	38-1/4	77-3/4	20.7	53.1	_	3.0	R50
11-11/6-10	142-5/8	81-1/2	49-13/16	77-3/4	26.9	64.6	_	3.0	R50
12-0/6-10	143-1/2	81-1/2	50-1/4	77-3/4	27.1	65.0	-	3.0	R50
9-11/8-0	118-5/8	95-1/2	37-3/4	91-3/4	24.1	62.9	-	3.0	R50
10-0/8-0	119-1/2	95-1/2	38-1/4	91-3/4	24.4	63.4	-	3.0	R50
11-11/8-0	142-5/8	95-1/2	49-13/16	91-3/4	31.8	77.2	-	3.0	R50
12-0/8-0	143-1/2	95-1/2	50-1/4	91-3/4	32.0	77.7	_	3.0	R50

^{(–) =} Not Available

 $^{(1) \, {\}rm Maximum} \ {\rm performance} \ {\rm when} \ {\rm glazed} \ {\rm with} \ {\rm the} \ {\rm appropriate} \ {\rm glass} \ {\rm thickness}.$

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



DESIGN DATA

Sidelights and Transoms



PELLA® 350 SERIES SLIDING PATIO DOOR									
Call Out	Frame		Clear Opening		Vent	Total Unit Visible	Standard Glass Thickness (mm)		Performance
	Width (Inches)	Height (Inches)	Width (Inches)	Height (Inches)	Area Ft ²	Glass Area Ft ²	Annealed	Tempered	Class & Grade ₁
SIDELIGHTS									
2-6/6-7	29-1/2	79-3/16	_	_	-	9.7	_	3.0	R50
2-9/6-7	32-11/16	79-3/16	_	_	-	11.3	_	3.0	R50
3-0/6-7	35-1/2	79-3/16	_	_	-	12.6	_	3.0	R50
3-3/6-7	38-11/16	79-3/16	_	_	-	14.2	_	3.0	R50
4-0/6-7	47-1/2	79-3/16	_	-	-	18.4	_	3.0	R50
2-6/6-8	29-1/2	79-1/2	_	-	-	9.8	_	3.0	R50
2-9/6-8	32-11/16	79-1/2	_	-	-	11.3	_	3.0	R50
3-0/6-8	35-1/2	79-1/2	-	-	-	12.7	_	3.0	R50
3-3/6-8	38-11/16	79-1/2	-	-	-	14.2	-	3.0	R50
4-0/6-8	47-1/2	79-1/2	_	-	-	18.5	_	3.0	R50
2-6/6-10	29-1/2	81-1/2	_	-	-	10.0	_	3.0	R50
2-9/6-10	32-11/16	81-1/2	_	-	-	11.6	_	3.0	R50
3-0/6-10	34-15/16	81-1/2	-	-	-	12.8	_	3.0	R50
3-3/6-10	38-11/16	81-1/2	-	-	-	14.6	_	3.0	R50
4-0/6-10	47-1/2	81-1/2	-	-	-	19.0	-	3.0	R50
2-6/8-0	29-1/2	95-1/2	-	-	-	12.0	-	3.0	R50
2-9/8-0	32-11/16	95-1/2	-	-	-	13.9	-	3.0	R50
3-0/8-0	35-1/2	95-1/2	-	_	-	15.6	-	3.0	R50
3-3/8-0	38-11/16	95-1/2	-	_	-	17.5	-	3.0	R50
4-0/8-0	47-1/2	95-1/2	_	-	-	22.7	_	5.0	R50
TRANSOMS									
5-0/2-0	59-1/2	23-1/2	-	-	-	4.9	3.0	3.0	R50
6-0/2-0	71-1/2	23-1/2	-	-	-	6.1	3.0	3.0	R50
7-6/2-0	89-1/2	23-1/2	-	-	-	7.8	3.0	3.0	R50
8-0/2-0	95-1/2	23-1/2	-	-	-	8.4	3.0	3.0	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.



DETAILED PRODUCT DESCRIPTIONS



FRAME

- Overall frame depth: 6".
- Frame members are mitered and heat fused to provide a fully welded corner assembly. Sill is fitted with weeps.
- Frame: [1-3/8" setback nail fin for 4-9/16" wall depth] [1" setback nail fin for 4-15/16" wall depth] [Block frame for 4-15/16" wall depth] Double Wall Flush flange for 5-1/2" wall depth].
- Interior and exterior frame surfaces are extruded rigid PVC.

DOOR PANELS

- Door Panel consists of extruded rigid PVC [with optional foam insulation].
- Panel members are mitered and heat-fused to provide a fully welded corner assembly
- Vent panel is fully operable for ventilation.
- · Vent panels have two adjustable rollers, set on a stainless steel track cap.
- Contains sealed insulating glass.

WEATHERSTRIPPING

• Fin-type pile around perimeter of panels.

GLAZING SYSTEM

- Quality float glass complying with ASTM C 1036.
- Exterior face-glazed sealed insulating glass.
- 1" Dual Pane Tempered [Advanced Low-E coated [with argon]] [NaturalSun Low-E coated [with argon]] [SunDefense™ Low-E coated [with argon]] [Bronze, Advanced Low-E coated [with argon]] [Gray Low-E coated [with argon]] [Obscure₂] [High Altitude₁].

• 1-3/8" Dual Pane [Low-E with Blind-Between-The-Glass] [Low-E with Shades-Between-The-Glass]

- 1-3/8" Triple Pane Tempered [Advanced Low-E coated with argon] [NaturalSun Low-E coated with argon] [Obscure2] [High Altitude1]. -or-
- Silicone-glazed 1" dual-seal impact-resistant insulating glass SGP. Laminated clear interior light. Tempered exterior light is [Advanced Low-E coated with argon] [SunDefense™ Low-E coated with argon] [Bronze Advanced Low-E coated with argon] [Gray Low-E coated with argon] [Obscure₂] [High Altitude₁].

• Silicone-glazed 7/16" [SGP Low-E] [SGP] laminated glass [clear] [bronze] [gray] [SunDefense Low-E coated].

INTERIOR / EXTERIOR

- Window frame members [[White] [Almond] have an integral color extruded throughout the profiles] [Brown exterior has a solar reflective coating per AAMA 614, and integral color on the interior].
- All exposed PVC surfaces are smooth, glossy and uniform in appearance.
- Frame color: [White] [Almond] [Brown exterior / White interior].

HARDWARE

- Interior handle and thumblock; finish is [White] [Almond] [Bright Brass] [Satin Nickel] [Oil-Rubbed Bronze].
- Exterior handle; finish is [White] [Almond].
- Key-lock with Schlage® configured "C" key-way pin-lock cylinder.
- All fasteners are a corrosion-resistant material compatible with PVC.
- Multi-point lock, [electroplated steel] [stainless steel].
- Door rollers are adjustable, permanently-sealed, [electroplated steel with organic coated ball-bearing rollers] [corrosion resistant stainless steel, ball bearing rollers].

SCREEN

- Conventional Full-size Fiberglass sliding screen with black vinyl coated 18/14 mesh fiberglass screen cloth complying with ASTM D 3656 and SMA 1201 set in an extruded aluminum frame.
- Supplied with four self-adjustable rollers, latch and latch handle.

OPTIONAL PRODUCTS

Grilles

- Grilles-Between-the-Glass
 - Insulating glass contains [3/4"] [1"] contoured aluminum grilles permanently installed between two panes of glass.
 - Grilles match color of interior and exterior frame.

- Blinds-Between-the-Glass (select sizes only)
 - White aluminum blinds sealed between dual pane Low-E insulating
 - Cordless tilt, raise and lower operation.

Shades

- Shades-Between-the-Glass Linen Cellular (select sizes only)
 - Light filtering fabric cellular shades sealed between dual pane Low-E insulating glass.
 - Cordless raise and lower operation.

- Rolscreen® Retractable Screen (2-, 3-, and 4-panel configurations)
- Self-storing, rolling, black vinyl-coated 18/16 mesh fiberglass screen cloth complying with ASTM D 3656 and SMA 1201 mounted behind cover that matches exterior color.

Schlage® is a registered trademark of Schlage Lock Company.

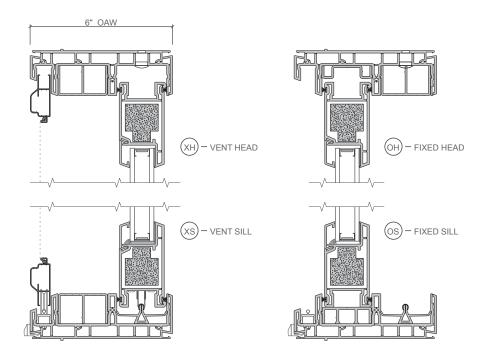
⁽¹⁾ Dual-Pane IG High Altitude glazings are available with or without Argon. Triple-Pane IG High Altitude glazings are only available without Argon.

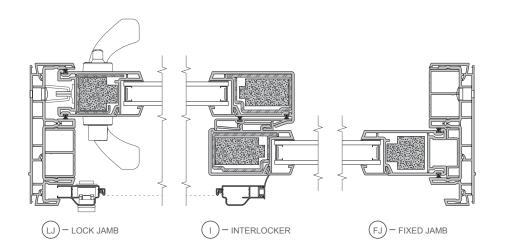
⁽²⁾ Obscure glass not available with Bronze Advanced Low-E.



Optional Foam Insulation



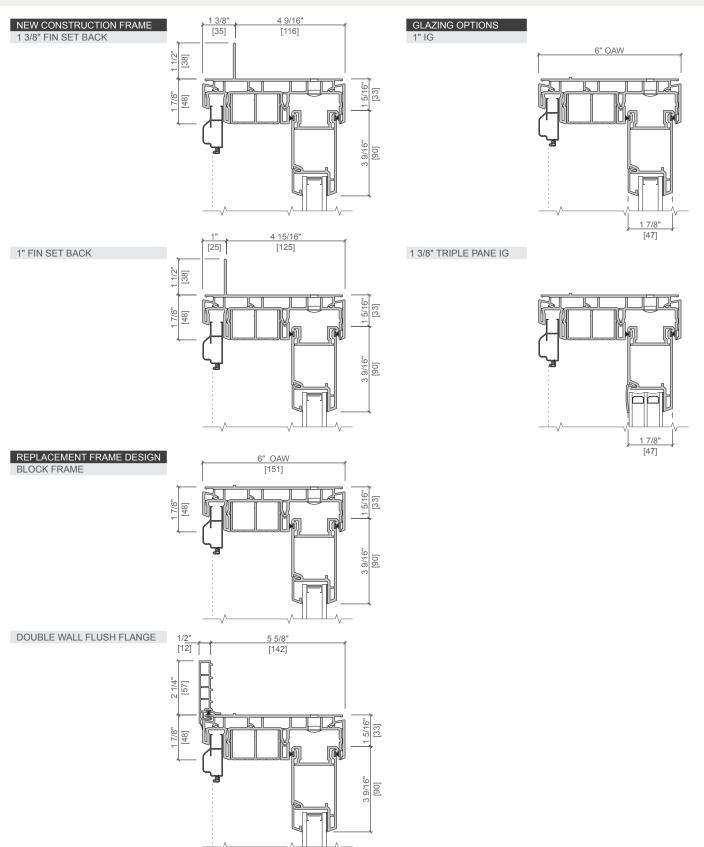






Frame Types Overview





Scale 3" = 1' 0"

Combinations require reinforcing mullions between units.

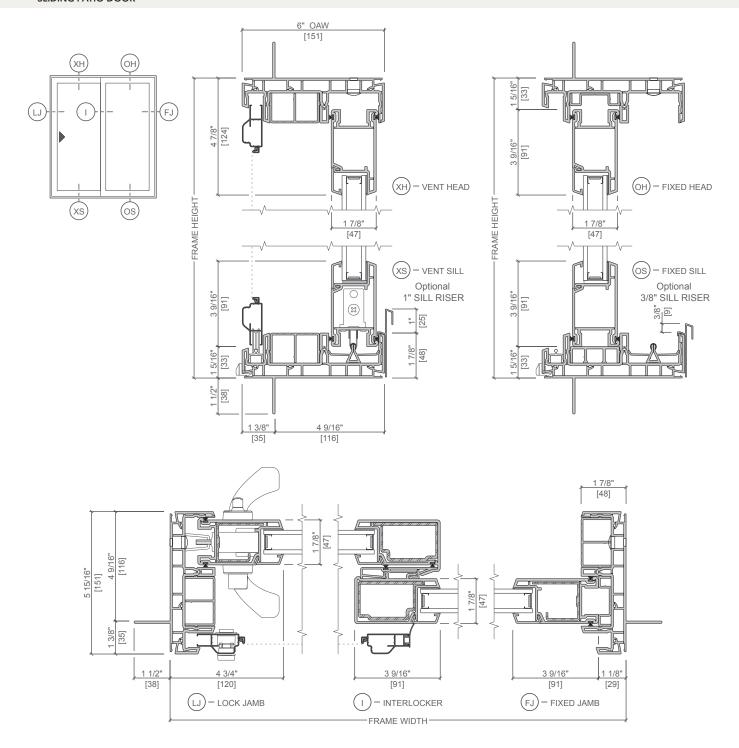
All dimensions are approximate.

SLIDING PATIO DOOR

UNIT SECTIONS

1-3/8" Fin Setback

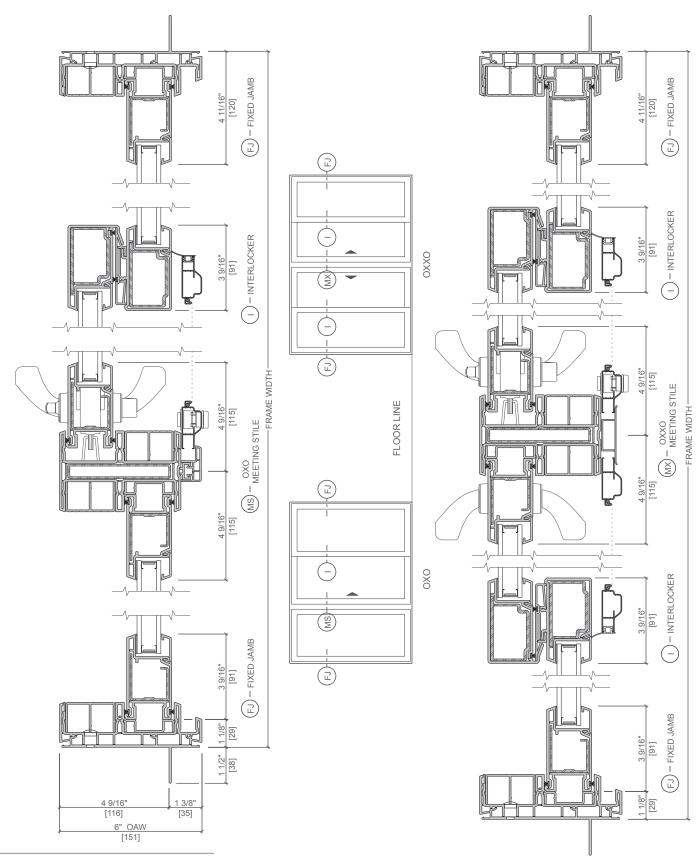






1-3/8" Fin Setback



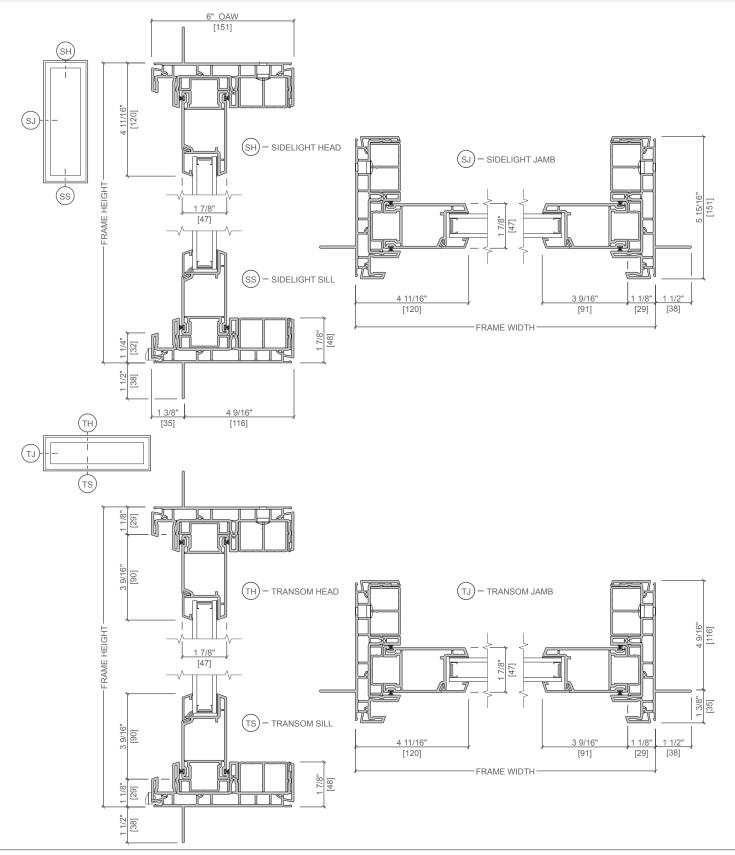


Scale 3" = 1' 0" Combinations require reinforcing mullions between units. All dimensions are approximate.



1-3/8" Fin Setback





Scale 3" = 1' 0" Combinations require reinforcing mullions between units. All dimensions are approximate.



Block Frame with Rolscreen



