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Document Navigation Tips:

Items listed in the table of contents above are active links that will take you to the corresponding page.
The Pella logo on each page is a link back to this table of contents.
Bookmarks are also included in this PDF document and are available as an additional navigation option.

Supporting documents for this product:

Test Reports:
https://media.pella.com/professional/adm/CertificationReports/Test_Reports_AS-Clad.pdf?utm_source=pdfdoc

CSI Specs (readable using Microsoft Word or other text editing application):
https://media.pella.com/professional/adm/Wood-CSI_Specs/08262-PRC.rtf?utm_source=pdfdoc

AIA Masterspec (readable using Microsoft Word or other text editing application):
https://media.pella.com/professional/adm/Wood-CSI_Specs/Masterspec/08550FL_finished.rtf?utm_source=pdfdoc

Detailed Product Description (readable using Microsoft Word or other text editing application):
https://media.pella.com/professional/adm/Clad-Wood/PRC-SlidingDoor-C.rtf?utm_source=pdfdoc

Size Tables (requires appropriate CAD software to read and use):
https://media.pella.com/professional/adm/Clad-Wood/LS-PR-SPD-ELEV_D.dwg?utm_source=pdfdoc

CAD cross sections (requires appropriate CAD software to read and use):
https://media.pella.com/professional/adm/Clad-Wood/LS-PR_SD_XSEC_D.dwg?utm_source=pdfdoc

3D & BIM (requires appropriate software to read and use):
https://media.pella.com/professional/adm/RevitFiles/PR-Revit/Door-Sliding-Pella-Reserve-Contemporary.zip?utm_source=pdfdoc

Sketchup (requires appropriate software to read and use):
https://media.pella.com/professional/adm/Clad-Wood-ASC/Pella_ArchitectSeries_Contemporary_Sliding_Door.zip?utm_source=pdfdoc

Combination Recommendations:
https://media.pella.com/professional/adm/Clad-Wood/D_Combinations.pdf?utm_source=pdfdoc

Installation Details:
https://media.pella.com/professional/adm/Clad-Wood/F_InstallationDetails.pdf?utm_source=pdfdoc

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

Sizes and Performance Data

	Clad
Sizes	
Standard Door Sizes	●
Special Sizes	●
Custom Sizes	●
Door Heights	
6' 8"	●
6' 10"	●
8'	●
9'	●
10'	●

	Clad
Performance [1]	
Standard Sill	
Meets or Exceeds AAMA / WDMA Ratings	SD-R20 – LC50 Hallmark Certified 411-H-1520
Air Infiltration (cfm / ft^2 of frame @ 1.57 psf wind pressure)	0.30
Water Resistance	3.13 – 7.52 psf
Design Pressure	20 – 50 psf
Other Performance Criteria	
Forced Entry Resistance Level (Minimum Security Grade) [2]	40
Operating Force (lb) Initiate Motion / Maintain Motion (of Hallmark tested size and glazing) [3]	30 / 20

Sound Transmission Class / Outdoor-Indoor Transmission Class

Product	Frame Size Tested [4]	Glazing System				STC Rating	OITC Rating
		Overall Glazing Thickness	Exterior Glass Thickness	Interior Glass Thickness	Third Pane Thickness		
Clad Sliding Door	**No Grilles**						
	71.9" x 79.7" (Fixed-Vent)	3/4"	3 mm	3 mm	—	28	24
	71.9" x 79.7" (Fixed-Vent)	3/4"	4 mm	6 mm	—	31	27
	71.9" x 79.7" (Fixed-Vent)	7/8"	5 mm	7.6 mm PVB	—	33	29
	71.9" x 79.7" (Fixed-Vent)	7/8"	5 mm	10 mm PVB	—	32	29
	71.9" x 79.7" (Fixed-Vent)	1-3/8"	4 mm	4 mm	4 mm	30	24

(1) Maximum performance for single unit when glazed with the appropriate glass thickness. See Design Data pages in this section for specific product performance class and grade values.
(2) The higher the level, the greater the product's ability to resist forced entry.
(3) Glazing configurations may result in higher operational forces.
(4) ASTM E 1425 defines standard sizes for acoustical testing. Ratings achieved at that size are representative of all sizes of the same configuration.

Pella® Reserve™ Contemporary Sliding Patio Door

Sizes and Performance Data

Standard	Options / Upgrades
Glazing	
Glazing Type	
Dual-Pane Insulating Glass	Triple-Pane Insulating Glass
Insulated Glass Options/Low-E Types	
Advanced Low-E	SunDefense™ Low-E
	SunDefense+ Low-E
	AdvancedComfort Low-E
	NaturalSun Low-E
	NaturalSun+ Low-E
	Clear (no Low-E coating)
Additional Glass Options	
Tempered Glass	STC Glazing Options
	Obscure Glass[1]
	Tinted Glass (Bronze, Gray and Green)
	Non-Impact Laminated
Gas Fill/High Altitude	
Argon	High altitude
Wood Types	
Pine	—
Exterior	
EnduraClad® aluminum-clad	EnduraClad Plus aluminum-clad
Cladding Colors	
Standard colors	Feature Colors, Custom Colors[1]
Interior	
Unfinished wood	Factory primed, Factory prefinished paint, Factory prefinished stain
Hardware	
Interior	
Champagne, White or Brown or Matte Black	Satin Brass, Satin Nickel, Oil-Rubbed Bronze, Polished Chrome
Exterior	
Handle matches cladding	Satin Brass, Satin Nickel, Oil-Rubbed Bronze, Polished Chrome
Locking System	
Multi-Point	—
Key Lock	—
—	Vent Lock
Grilles	
Integral Light Technology® Grilles	
—	Traditional, Prairie, Top Row, Cross, Custom
Grilles-Between-the-Glass	
—	Traditional, Prairie, Top Row[1], Cross, Custom-Equally Divided
Screens	
Flat Screen	Tuffscreen® Sliding Screen

(1) Contact your local Pella sales representative for current designs and color options.
Tuffscreen is a trademark of Phifer Incorporated.

Interior Frame Finish Colors

Interior Color / Finish	Pella Reserve Interior Frame
Factory prefinished White, Linen White or Prime	Wood Trim and Jamb Covers finish matched to panel interior finish selection. (Covers a white aluminum frame)
Factory prefinished Bright White	Wood Trim and Jamb Covers finish matched to panel interior finish selection. (Covers a bright white aluminum frame)
Factory prefinished Black	Wood Trim and Jamb Covers finish matched to panel interior finish selection. (Covers a black aluminum frame)
Unfinished, factory prefinished Stain	Wood Trim and Jamb Covers finish matched to panel interior finish selection. (Covers a black aluminum frame)

Vent Lock Hardware Finish Colors

Interior Color / Finish	Vent Lock Hardware Finish
Factory prefinished White, Bright White , Linen White or Primed	White Painted
Factory prefinished Stain Black, Golden Oak, Early American, Provincial, Dark Mahogany, or Charcoal	Black Painted
Unfinished or Factory prefinished Natural Stain	Select White or Black Painted

Screen Hardware Colors

Screen frame will match exterior cladding color, Screen hardware is set according to the exterior finish chosen.

Exterior Clad Color	Screen Hardware Color
White, Classic White, Vanilla Cream, Poplar White	White
Brown, Portobello, Auburn Brown, French Roast	Brown
Fossil, Soft Linen, Almond, Sand Dune, Putty, Tan	Fossil
Wolf Gray, Pearl Gray, Morning Sky Gray, Eldridge Gray	Morning Sky Gray
Black, Iron Ore, Satin Steel, Matte Gray, Brick Red, Spice Red, Hartford Green, Sage, Blue Ash, Frost Blue, Deep Olive, Summer Sage, Hemlock, Naval, Stormy Blue	Black

Combination Assemblies

Combinations are a great way to create visual interest in any project. A combination is an assembly formed by two or more separate windows or doors whose frames are mulled together directly or using a reinforcing mullion.

Pella window combinations are available in an endless variety of arrangements. Below are examples of typical sliding door combinations.

Factory assembled mullions are limited to factory assembled two panel doors ≤ 96 inches.

The factory mulled units combined must be ≤ 103" High and ≤ 144" Wide.

Any two panel doors greater than 96 inches or using knock-down-frames will require field mullion assembly.

All 3 and 4-panel doors or any units using knock down frames will require field mullion assembly.

Refer to Combinations section for requirements and limitations or contact your local Pella sales representative for more information.

Transom over
Sliding Fixed/Vent

Pella® Reserve™ Contemporary Sliding Patio Door

Glazing Performance - Total Unit

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)		Gap Fill	Performance Values[1]				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Int.		U-Factor	SHGC	VLT %	CR	U. S.				Canada[2]	
										Zone				ER	Zone
Dual-Pane Glazing										N	NC	SC	S		CA
3/4"	Clear IG	PEL-N-304-00001-00001	3	3	air	0.47	0.58	0.61	42						
	with grilles-between-the-glass	PEL-N-304-00001-00002				0.47	0.51	0.53	42						
	with integral grilles	PEL-N-304-00001-00003				0.47	0.51	0.53	42						
3/4"	Advanced Low-E IG	PEL-N-304-00019-00001	3	3	argon	0.30	0.28	0.52	55						
	with grilles-between-the-glass	PEL-N-304-00019-00002				0.30	0.25	0.45	55						
	with integral grilles	PEL-N-304-00019-00003				0.30	0.25	0.45	55						
3/4"	SunDefenseTM Low-E IG	PEL-N-304-00070-00001	3	3	argon	0.30	0.21	0.48	55						
	with grilles-between-the-glass	PEL-N-304-00070-00002				0.30	0.18	0.42	55						
	with integral grilles	PEL-N-304-00070-00003				0.30	0.18	0.42	55						
3/4"	SunDefense+ Low-E IG	PEL-N-304-00112-00001	3	3	argon	0.26	0.20	0.47	45	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-304-00112-00002				0.26	0.18	0.41	45	N	NC	SC	S		
	with integral grilles	PEL-N-304-00112-00003				0.26	0.18	0.41	45	N	NC	SC	S		
3/4"	AdvancedComfort Low-E IG	PEL-N-304-00100-00001	3	3	argon	0.26	0.27	0.51	45	N	NC				
	with grilles-between-the-glass	PEL-N-304-00100-00002				0.26	0.24	0.44	45	N	NC				
	with integral grilles	PEL-N-304-00100-00003				0.26	0.24	0.44	45	N	NC				
3/4"	NaturalSun Low-E IG	PEL-N-304-00088-00001	3	3	argon	0.31	0.51	0.59	54						
	with grilles-between-the-glass	PEL-N-304-00088-00002				0.31	0.45	0.51	54						
	with integral grilles	PEL-N-304-00088-00003				0.31	0.45	0.51	54						
3/4"	NaturalSun+ Low-E IG	PEL-N-304-00124-00001	3	3	argon	0.27	0.47	0.57	44						
	with grilles-between-the-glass	PEL-N-304-00124-00002				0.27	0.41	0.50	44						
	with integral grilles	PEL-N-304-00124-00003				0.27	0.41	0.50	44						
Dual-Pane Tinted Glazing															
3/4"	Bronze Advanced Low-E IG	PEL-N-304-00025-00001	5	5	argon	0.32	0.25	0.33	52						
	with grilles-between-the-glass	PEL-N-304-00026-00001				0.33	0.22	0.28	52						
	with integral grilles	PEL-N-304-00027-00001				0.33	0.22	0.28	52						
3/4"	Gray Advanced Low-E IG	PEL-N-304-00028-00001	5	5	argon	0.32	0.23	0.28	52						
	with grilles-between-the-glass	PEL-N-304-00029-00001				0.33	0.20	0.24	52						
	with integral grilles	PEL-N-304-00030-00001				0.33	0.20	0.24	52						
3/4"	Green Advanced Low-E IG	PEL-N-304-00031-00001	5	5	argon	0.32	0.23	0.28	52						
	with grilles-between-the-glass	PEL-N-304-00032-00001				0.33	0.20	0.24	52						
	with integral grilles	PEL-N-304-00033-00001				0.33	0.24	0.38	52						

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 for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 2023 (Version 7) criteria.

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

Visit www.energystar.gov for Energy Star guidelines.

Climate Zones

Glazing Performance - Total Unit

Glazing Thickness	Type of Glazing	NFRC Certified Product #	Glass (mm)			Gap Fill	Performance Values[1]				Shaded Areas Meet ENERGY STAR® Performance Criteria in Zones Shown					
			Ext.	Middle	Int.		U-Factor	SHGC	VLT %	CR	U. S.				Canada[2]	
											Zone				ER	Zone
Triple-Pane Glazing											N	NC	SC	S		CA
1-3/8"	Advanced Low-E IG	PEL-N-304-00205-00001	4	4	4	argon	0.22	0.25	0.45	63	N	NC				
	with grilles-between-the-glass	PEL-N-304-00206-00001					0.22	0.22	0.39	63	N	NC	SC	S		
1-3/8"	SunDefenseTM Low-E IG	PEL-N-304-00228-00001	4	4	4	argon	0.21	0.19	0.42	63	N	NC	SC	S		
	with grilles-between-the-glass	PEL-N-304-00229-00001					0.22	0.17	0.36	63	N	NC	SC	S		
1-3/8"	NaturalSun Low-E IG	PEL-N-304-00245-00001	4	4	4	argon	0.22	0.41	0.51	63					36	CA
	with grilles-between-the-glass	PEL-N-304-00246-00001					0.22	0.36	0.45	63	N	NC				

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 for Pine using NFRC 100, NFRC 200 and NFRC 500. Thermal performance of other wood species may vary. ENERGY STAR® values are updated to 2023 (Version 7) criteria.

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

Visit www.energystar.gov for Energy Star guidelines.

Climate Zones

Grille Profiles

Contemporary Style Collection - Integral Light Technology ®

Square Grilles
Clad Exterior - Wood Interior

Grilles-Between-the-Glass

3/4"
Contoured Grille

3/4"
Contoured Grille

Grille Patterns

Integral Light Technology® Grilles

Prairie
- Standard corner light dimension for Prairie patterns = 3-1/2" VG.

Cross and Top Row
– Standard visible glass to separator bar = 14" or half of total visible glass height, whichever is smaller.

Grilles-Between-the-Glass

Prairie
– Standard corner lite dimension = 3-1/2" VG.

Cross
– Horizontal bar is 1/4 of visible glass from the top in door panels.

Top Row
– Horizontal bar may be ordered 12", 14" or 16" from the top VG.

For traditional patterns, see size tables.

VG = Visible Glass
Lite dimensions noted can vary.
Custom configurations are also available, for details contact your local Pella sales representative.

Standard Size Tables

6' 8" Two-Panel Fixed-Vent

Opening	5' 0" (1 524)	6' 0" (1 829)	7' 0" (2 134)	8' 0" (2 438)	10' 0" (3 048)
Frame	4' 11 1/4" (1 505)	5' 11 1/4" (1 810)	6' 11 1/4" (2 115)	7' 11 1/4" (2 419)	9' 11 1/4" (3 029)

6' 8" (2 032) / 6' 7 1/2" (2 019)

2 Panel (OX) 6080 | 2 Panel (OX) 7280 | 2 Panel (OX) 8480 | 2 Panel (OX) 9680 | 2 Panel (OX) 12080

6' 8" Three-Panel Fixed-Vent-Fixed

Opening	7' 7" (2 311)	9' 1" (2 769)	10' 7" (3 226)	12' 1" (3 683)	15' 1" (4 597)
Frame	7' 6 1/4" (2 292)	9' 0 1/4" (2 750)	10' 6 1/4" (3 207)	12' 0 1/4" (3 664)	15' 0 1/4" (4 578)

6' 8" (2 032) / 6' 7 1/2" (2 019)

3 PANEL (OXO) 9080 | 3 PANEL (OXO) 10880 | 3 PANEL (OXO) 12680 | 3 PANEL (OXO) 14480 | 3 PANEL (OXO) 18080

6' 8" Four-Panel Fixed-Vent-Vent-Fixed

Opening	9' 10" (2 997)	11' 10" (3 606)	13' 10" (4 216)	15' 10" (4 826)
Frame	9' 9 1/4" (2 978)	11' 9 1/4" (3 588)	13' 9 1/4" (4 197)	15' 9 1/4" (4 807)

6' 8" (2 032) / 6' 7 1/2" (2 019)

4 PANEL (OXXO) 11780 | 4 PANEL (OXXO) 14180 | 4 PANEL (OXXO) 16580 | 4 PANEL (OXXO) 18980

6' 8" Four-Panel Fixed-Vent-Vent-Fixed (Cont.)

Opening	19' 10" (6 045)
Frame	19' 9 1/4" (6 026)

6' 8" (2 032) / 6' 7 1/2" (2 019)

4 PANEL (OXXO) 23780

Not to scale.
All doors are glazed with tempered glass.
Two panel doors—Fixed-Vent (OX), right panel opens, left panel is fixed. Units open in the direction of the arrow as viewed from the exterior.
Vent-Fixed (XO) doors are also available.
Fixed-Vent-Fixed (OXO) vent to the right only.

Standard Size Tables

6' 10" Two-Panel Fixed-Vent

Opening	5' 0" (1 524)	6' 0" (1 829)	7' 0" (2 134)	8' 0" (2 438)	10' 0" (3 048)
Frame	4' 11 1/4" (1 505)	5' 11 1/4" (1 810)	6' 11 1/4" (2 115)	7' 11 1/4" (2 419)	9' 11 1/4" (3 029)
6' 10" (2 083) / 6' 9 1/2" (2 070)	2 Panel (OX) 6082	2 Panel (OX) 7282	2 Panel (OX) 8482	2 Panel (OX) 9682	2 Panel (OX) 12082

6' 10" Three-Panel Fixed-Vent-Fixed

Opening	7' 7" (2 311)	9' 1" (2 769)	10' 7" (3 226)	12' 1" (3 683)	15' 1" (4 597)
Frame	7' 6 1/4" (2 292)	9' 0 1/4" (2 750)	10' 6 1/4" (3 207)	12' 0 1/4" (3 664)	15' 0 1/4" (4 578)
6' 10" (2 083) / 6' 9 1/2" (2 070)	3 PANEL (OXO) 9082	3 PANEL (OXO) 10882	3 PANEL (OXO) 12682	3 PANEL (OXO) 14482	3 PANEL (OXO) 18082

6' 10" Four-Panel Fixed-Vent-Vent-Fixed

Opening	9' 10" (2 997)	11' 10" (3 606)	13' 10" (4 216)	15' 10" (4 826)
Frame	9' 9 1/4" (2 978)	11' 9 1/4" (3 588)	13' 9 1/4" (4 197)	15' 9 1/4" (4 807)
6' 10" (2 083) / 6' 9 1/2" (2 070)	4 PANEL (OXXO) 11782	4 PANEL (OXXO) 14182	4 PANEL (OXXO) 16582	4 PANEL (OXXO) 18982

6' 10" Four-Panel Fixed-Vent-Vent-Fixed (Cont.)

Opening	19' 10" (6 045)
Frame	19' 9 1/4" (6 026)
6' 10" (2 083) / 6' 9 1/2" (2 070)	4 PANEL (OXXO) 23782

Not to scale.
All doors are glazed with tempered glass.
Two panel doors—Fixed-Vent (OX), right panel opens, left panel is fixed. Units open in the direction of the arrow as viewed from the exterior.
Vent-Fixed (XO) doors are also available.
Fixed-Vent-Fixed (OXO) vent to the right only.

Standard Size Tables

8' 0" Two-Panel Fixed-Vent

Opening	5' 0" (1 524)	6' 0" (1 829)	7' 0" (2 134)	8' 0" (2 438)	10' 0" (3 048)
Frame	4' 11 1/4" (1 505)	5' 11 1/4" (1 810)	6' 11 1/4" (2 115)	7' 11 1/4" (2 419)	9' 11 1/4" (3 029)

8' 0" (2 438) / 7' 11 1/2" (2 426)

2 Panel (OX) 6096 | 2 Panel (OX) 7296 | 2 Panel (OX) 8496 | 2 Panel (OX) 9696 | 2 Panel (OX) 12096

8' 0" Three-Panel Fixed-Vent-Fixed

Opening	7' 7" (2 311)	9' 1" (2 769)	10' 7" (3 226)	12' 1" (3 683)	15' 1" (4 597)
Frame	7' 6 1/4" (2 292)	9' 0 1/4" (2 750)	10' 6 1/4" (3 207)	12' 0 1/4" (3 664)	15' 0 1/4" (4 578)

8' 0" (2 438) / 7' 11 1/2" (2 426)

3 PANEL (OXO) 9096 | 3 PANEL (OXO) 10896 | 3 PANEL (OXO) 12696 | 3 PANEL (OXO) 14496 | 3 PANEL (OXO) 18096

8' 0" Four-Panel Fixed-Vent-Vent-Fixed

Opening	9' 10" (2 997)	11' 10" (3 606)	13' 10" (4 216)	15' 10" (4 826)
Frame	9' 9 1/4" (2 978)	11' 9 1/4" (3 588)	13' 9 1/4" (4 197)	15' 9 1/4" (4 807)

8' 0" (2 438) / 7' 11 1/2" (2 426)

4 PANEL (OXXO) 11796 | 4 PANEL (OXXO) 14196 | 4 PANEL (OXXO) 16596 | 4 PANEL (OXXO) 18996

8' 0" Four-Panel Fixed-Vent-Vent-Fixed (Cont.)

Opening	19' 10" (6 045)
Frame	19' 9 1/4" (6 026)

8' 0" (2 438) / 7' 11 1/2" (2 426)

4 PANEL (OXXO) 23796

Not to scale.
All doors are glazed with tempered glass.
Two panel doors—Fixed-Vent (OX), right panel opens, left panel is fixed. Units open in the direction of the arrow as viewed from the exterior.
Vent-Fixed (XO) doors are also available.
Fixed-Vent-Fixed (OXO) vent to the right only.

Standard Size Tables

9' 0" Two-Panel Fixed-Vent

Opening	5' 0" (1 524)	6' 0" (1 829)	7' 0" (2 134)	8' 0" (2 438)	10' 0" (3 048)
Frame	4' 11 1/4" (1 505)	5' 11 1/4" (1 810)	6' 11 1/4" (2 115)	7' 11 1/4" (2 419)	9' 11 1/4" (3 029)

9' 0" (2 743) / 8' 11 1/2" (2 731)

2 Panel (OX) 60108 | 2 Panel (OX) 72108 | 2 Panel (OX) 84108 | 2 Panel (OX) 96108 | 2 Panel (OX) 120108

9' 0" Three-Panel Fixed-Vent-Fixed

Opening	7' 7" (2 311)	9' 1" (2 769)	10' 7" (3 226)	12' 1" (3 683)	15' 1" (4 597)
Frame	7' 6 1/4" (2 292)	9' 0 1/4" (2 750)	10' 6 1/4" (3 207)	12' 0 1/4" (3 664)	15' 0 1/4" (4 578)

9' 0" (2 743) / 8' 11 1/2" (2 731)

3 PANEL (OXO) 90108 | 3 PANEL (OXO) 108108 | 3 PANEL (OXO) 126108 | 3 PANEL (OXO) 144108 | 3 PANEL (OXO) 180108

9' 0" Four-Panel Fixed-Vent-Vent-Vent-Fixed

Opening	9' 10" (2 997)	11' 10" (3 606)	13' 10" (4 216)	15' 10" (4 826)
Frame	9' 9 1/4" (2 978)	11' 9 1/4" (3 588)	13' 9 1/4" (4 197)	15' 9 1/4" (4 807)

9' 0" (2 743) / 8' 11 1/2" (2 731)

4 PANEL (OXXO) 117108 | 4 PANEL (OXXO) 141108 | 4 PANEL (OXXO) 165108 | 4 PANEL (OXXO) 189108

9' 0" Four-Panel Fixed-Vent-Vent-Fixed (Cont.)

Opening	19' 10" (6 045)
Frame	19' 9 1/4" (6 026)

9' 0" (2 743) / 8' 11 1/2" (2 731)

4 PANEL (OXXO) 237108

Not to scale.
All doors are glazed with tempered glass.
Two panel doors—Fixed-Vent (OX), right panel opens, left panel is fixed. Units open in the direction of the arrow as viewed from the exterior.
Vent-Fixed (XO) doors are also available.
Fixed-Vent-Fixed (OXO) vent to the right only.

Standard Size Tables

10' 0" Two-Panel Fixed-Vent

Opening	5' 0" (1 524)	6' 0" (1 829)	7' 0" (2 134)	8' 0" (2 438)	10' 0" (3 048)
Frame	4' 11 1/4" (1 505)	5' 11 1/4" (1 810)	6' 11 1/4" (2 115)	7' 11 1/4" (2 419)	9' 11 1/4" (3 029)

10' 0" (3 048) — 9' 11 1/2" (3 035)

2 Panel (OX) 60120 | 2 Panel (OX) 72120 | 2 Panel (OX) 84120 | 2 Panel (OX) 96120 | 2 Panel (OX) 120120

10' 0" Three-Panel Fixed-Vent-Fixed

Opening	7' 7" (2 311)	9' 1" (2 769)	10' 7" (3 226)	12' 1" (3 683)	15' 1" (4 597)
Frame	7' 6 1/4" (2 292)	9' 0 1/4" (2 750)	10' 6 1/4" (3 207)	12' 0 1/4" (3 664)	15' 0 1/4" (4 578)

10' 0" (3 048) — 9' 11 1/2" (3 035)

3 PANEL (OXO) 90120 | 3 PANEL (OXO) 108120 | 3 PANEL (OXO) 126120 | 3 PANEL (OXO) 144120 | 3 PANEL (OXO) 180120

10' 0" Four-Panel Fixed-Vent-Vent-Vent-Fixed

Opening	9' 10" (2 997)	11' 10" (3 606)	13' 10" (4 216)	15' 10" (4 826)
Frame	9' 9 1/4" (2 978)	11' 9 1/4" (3 588)	13' 9 1/4" (4 197)	15' 9 1/4" (4 807)

10' 0" (3 048) — 9' 11 1/2" (3 035)

4 PANEL (OXXO) 117120 | 4 PANEL (OXXO) 141120 | 4 PANEL (OXXO) 165120 | 4 PANEL (OXXO) 189120

10' 0" Four-Panel Fixed-Vent-Vent-Fixed (Cont.)

Opening	19' 10" (6 045)
Frame	19' 9 1/4" (6 026)

10' 0" (3 048) — 9' 11 1/2" (3 035)

4 PANEL (OXXO) 237120

Not to scale.
All doors are glazed with tempered glass.
Two panel doors—Fixed-Vent (OX), right panel opens, left panel is fixed. Units open in the direction of the arrow as viewed from the exterior.
Vent-Fixed (XO) doors are also available.
Fixed-Vent-Fixed (OXO) vent to the right only.

Special Sizes[1]

	Minimum	Maximum	Sizing Increments
OX, XO	4' 11-1/4" W x 6' 2" H (59-1/4" x 74") (1 505 x 1 880)	9' 11-1/4" W x 9' 11-1/2" H (119-1/4" x 119-1/2") (3 029 x 3 035)	Nearest 1/4"
OXO	7' 6-1/4" W x 6' 2" H (90-1/4" x 74") (2 292 x 1 880)	15' 1/4" W x 9' 11-1/2" H (180-1/4" x 119-1/2") (4 578 x 3 035)	Nearest 1/4"
OXXO	9' 9-1/4" W x 6' 2" H (117-1/4" x 74") (2 978 x 1 880)	19' 9-1/4" W x 9' 11-1/2" H (237-1/4" x 119-1/2") (6 026 x 3 035)	Nearest 1/4"
Transoms	1' 6" W x 1' 2" H (18" x 14") (457 x 356)	7' 11-1/4" W x 2' 1" H (95-1/4" x 25") (2 419 x 635)	Nearest 1/8"

Knock-down Frames

When the below conditions are met, units will be shipped as knock-down frames.

Door Type	
OX, XO	Optional for sizes ≤ 96", Required for sizes > 96"
OXO	Required - All sizes
OXXO	Required - All sizes

Miscellaneous Formulas

	Width	Height
Visible Glass	Width of OX, XO = (FW – 10.5) ÷ 2 - 1.25 Width of OXO = (FW – 17.125") ÷ 3 - 1.25 Width of OXXO = (FW – 19.75") ÷ 4 - 1.25	Height = FH – 8.75"
Actual Glass	Width of OX, XO = (FW – 10.5") ÷ 2 Width of OXO = (FW – 17.125") ÷ 3 Width of OXXO = (FW –19.75") ÷ 4	Height = FH – 7.5"
Clear Opening Standard Handles	Width of OX, XO = (FW ÷ 2) - 7.625 Width of OXO = (FW ÷ 3) -8.33333 Width of OXXO = (FW ÷ 4) - 7.5	Height = FH – 3.5"
Clear Opening Optional Handles	Width of OX, XO = (FW ÷ 2) - 9.125 Width of OXO = (FW ÷ 3) -9.83333 Width of OXXO = (FW ÷ 4) - 9	Height = FH – 3.5"

	Transoms	
	Visible Glass	Actual Glass
Fixed Frame Direct Set	Width = Frame – 3-1/4" Height = Frame – 3-1/4"	Width = Frame – 2" Height = Frame – 2"
Fixed Casement	Width = Frame – 5-3/4" Height = Frame – 5-3/4"	Width = Frame – 4-3/8" Height = Frame – 4-3/8"
Wide Stile Casement	Width = Frame – 11-5/8" Height = Frame – 5-3/4"	Width = Frame – 10-1/4" Height = Frame – 4-3/8"

(1) Available within size range shown.
To convert areas to square meters (m^2), multiply square feet by 0.0929.
Fixed-Vent-Fixed (OXO) vent to the right only.

Design Data

Sliding Door Design Data

	Unit	Venting	Clear Opening Width (Inches)	Clear Opening Height (Inches)	Vent Area Ft²	Visible Glass Ft²	Standard Glass Thickness (mm) Tempered	Performance Class & Grade 1
6' 7-1/2" Doors	6080	OX, XO	22	76	11.6	22.7	3	LC50
	7280	OX, XO	28	76	14.8	28.6	3	LC50
	8480	OX, XO	34	76	17.9	34.5	3	LC35/LC50
	9680	OX, XO	40	76	21.1	40.4	4	LC35/LC50
	12080	OX, XO	52	76	27.4	52.2	4	R20/LC30
	9080	OXO	21-3/4	76	11.5	34.1	3	LC35
	10880	OXO	27-3/4	76	14.6	42.9	3	LC35
	12680	OXO	33-3/4	76	17.8	51.8	3	LC35
	14480	OXO	39-3/4	76	21.0	60.6	4	LC35
	18080	OXO	51-3/4	76	27.3	78.3	4	R20
	11780	OXXO	43-5/8	76	23.0	45.4	3	LC35
	14180	OXXO	55-5/8	76	29.4	57.2	3	LC35
	16580	OXXO	67-5/8	76	35.7	69.0	3	LC35
	18980	OXXO	79-5/8	76	35.7	69.0	4	LC35
	23780	OXXO	103-5/8	76	42.0	80.8	4	R20
6' 10" Doors	6082	OX, XO	22	78	11.9	23.4	3	LC50
	7282	OX, XO	28	78	15.2	29.4	3	LC50
	8482	OX, XO	34	78	18.4	35.5	3	LC35/LC50
	9682	OX, XO	40	78	21.7	41.6	4	LC35/LC50
	12082	OX, XO	52	78	28.2	53.7	5	R20/LC30
	9082	OXO	21-3/4	78	11.8	35.0	3	LC35
	10882	OXO	27-3/4	78	15.0	44.1	3	LC35
	12682	OXO	33-3/4	78	18.3	53.2	3	LC35
	14482	OXO	39-3/4	78	21.5	62.3	4	LC35
	18082	OXO	51-3/4	78	28.0	80.5	5	R20
	11782	OXXO	43-5/8	78	23.6	46.7	3	LC35
	14182	OXXO	55-5/8	78	30.1	58.9	3	LC35
	16582	OXXO	67-5/8	78	36.6	71.0	3	LC35
	18982	OXXO	79-5/8	78	43.1	83.1	4	LC35
	23782	OXXO	103-5/8	78	56.1	107.4	5	R20

Continued on the next page.

(—) = Not Applicable

(1) Maximum performance when glazed with the appropriate glass thickness. Second performance class and grade (where shown) requires performance upgrade and appropriate installation methods.

All doors are glazed with tempered glass.

Fixed-Vent-Fixed (OXO) vent to the right only.

Clear opening width shown is with standard hardware.

To convert areas to square meters (m^2), multiply square feet by 0.0929.

Design Data

Sliding Door Design Data

	Unit	Venting	Clear Opening Width (Inches)	Clear Opening Height (Inches)	Vent Area Ft²	Visible Glass Ft²	Standard Glass Thickness (mm) Tempered	Performance Class & Grade 1
8' 0" Doors	6096	OX, XO	22	92	14.1	27.9	4	LC35/LC50
	7296	OX, XO	28	92	17.9	35.1	4	LC35/LC50
	8496	OX, XO	34	92	21.7	42.3	4	LC35/LC50
	9696	OX, XO	40	92	25.6	49.5	4	LC35/LC50
	12096	OX, XO	52	92	33.2	64.0	5	R20/LC30
	9096	OXO	21-3/4	92	13.9	41.8	4	LC35
	10896	OXO	27-3/4	92	17.7	52.6	4	LC35
	12696	OXO	33-3/4	92	21.6	63.5	4	LC35
	14496	OXO	39-3/4	92	25.4	74.3	4	LC35
	18096	OXO	51-3/4	92	33.1	96.0	5	LC20
	11796	OXXO	43-5/8	92	27.9	55.7	4	LC35
	14196	OXXO	55-5/8	92	35.5	70.2	4	LC35
	16596	OXXO	67-5/8	92	43.2	84.6	4	LC35
	18996	OXXO	79-5/8	92	50.9	99.1	4	LC35
	23796	OXXO	103-5/8	92	66.2	128.0	5	R20
9' 0" Doors	60108	OX, XO	22	104	15.9	31.7	3	R20/LC30
	72108	OX, XO	28	104	20.2	39.9	3	R20/LC30
	84108	OX, XO	34	104	24.6	48.2	4	R20/LC30
	96108	OX, XO	40	104	28.9	56.4	4	R20/LC30
	120108	OX, XO	52	104	37.6	72.9	6	R20/LC30
	90108	OXO	21-3/4	104	15.7	47.6	3	R20
	108108	OXO	27-3/4	104	20.0	59.9	3	R20
	126108	OXO	33-3/4	104	24.4	72.3	4	R20
	144108	OXO	39-3/4	104	28.7	84.6	4	R20
	180108	OXO	51-3/4	104	37.4	109.3	6	R20
	117108	OXXO	43-5/8	104	31.5	63.4	3	R20
	141108	OXXO	55-5/8	104	40.2	79.9	3	R20
	165108	OXXO	67-5/8	104	48.8	96.3	3	R20
	189108	OXXO	79-5/8	104	57.5	112.8	4	R20
	237108	OXXO	103-5/8	104	74.8	145.7	6	R20
10' 0" Doors	60120	OX, XO	22	116	17.7	35.6	3	R20/LC30
	72120	OX, XO	28	116	22.6	44.8	3	R20/LC30
	84120	OX, XO	34	116	27.4	54.0	4	R20/LC30
	96120	OX, XO	40	116	32.2	63.3	4	R20/LC30
	120120	OX, XO	52	116	41.9	81.7	6	R20/LC30
	90120	OXO	21-3/4	116	17.5	53.4	3	R20
	108120	OXO	27-3/4	116	22.4	67.2	3	R20
	126120	OXO	33-3/4	116	27.2	81.0	4	R20
	144120	OXO	39-3/4	116	32.0	94.9	4	R20
	180120	OXO	51-3/4	116	41.7	122.6	6	R20
	117120	OXXO	43-5/8	116	35.1	71.1	3	R20
	141120	OXXO	55-5/8	116	44.8	89.6	3	R20
	165120	OXXO	67-5/8	116	54.5	108.1	3	R20
	189120	OXXO	79-5/8	116	64.1	126.5	4	R20
	237120	OXXO	103-5/8	116	83.5	163.4	6	R20

Transoms

	Unit	Visible Glass Ft²	Standard Glass Thickness (mm) Annealed	Standard Glass Thickness (mm) Tempered	Performance Class & Grade 1
Fixed Frame Direct Set	3117	2.6	3	3	CW90
	3125	4.2	3	3	CW90
	3717	3.2	3	3	CW90
	3725	5.1	3	3	CW90
	4917	4.3	3	3	CW90
	4925	6.9	3	3	CW75
	6017	5.3	3	3	CW90
	6025	8.5	3	3	CW55
	7217	6.5	3	3	CW60
	7225	10.3	3	3	CW45
	9617	8.8	—	4	CW60
	9625	13.9	4	4	CW60
Fixed Casement	3117	2.0	3	3	CW50
	3125	3.3	3	3	CW50
	3717	2.4	3	3	CW50
	3725	4.1	3	3	CW50
	4917	3.4	3	3	CW50
	4925	5.7	3	3	CW50
	6017	4.2	3	3	CW50
	6025	7.2	3	3	CW45/CW50
	7217	5.1	—	3	R15 2
	7225	8.8	3	3	R15 2
	9617	7.0	—	4	R15 2
	9625	12.0	4	4	R15 2
Wide Stile Casement	3117	1.4	3	3	CW50
	3125	2.4	3	3	CW50
	3717	1.9	3	3	CW50
	3725	3.2	3	3	CW50
	4917	2.8	3	3	CW50
	4925	4.8	3	3	CW50
	6017	3.6	3	3	CW50
	6025	6.2	3	3	CW50
	7217	4.6	3	3	CW50
	7225	7.8	3	3	R15 2
	9617	6.4	—	4	R15 2
	9625	11.0	4	4	R15 2

(—) = Not Applicable

(1) Maximum performance when glazed with the appropriate glass thickness. Second performance class and grade (where shown) requires performance upgrade and appropriate installation methods.

All doors are glazed with tempered glass.

Fixed-Vent-Fixed (OXO) vent to the right only.

Clear opening width shown is with standard hardware.

To convert areas to square meters (m^2), multiply square feet by 0.0929.

Frame

- Head and jambs are aluminum with fiberglass thermal breaks.
- Low-profile solid fiberglass sill with Black finish.
- Interior trim and jamb covers are pine edge banded and veneered and finished to match panel interiors.
- Exterior surfaces are aluminum at the head and jambs.
- Components are assembled with screws and corner locks.
- Optional factory-installed fold-out installation fins with flexible fin corners.
- Fin position will accommodate standard 4-9/16" (116 mm) wall depths.
- Frame depth is 5-7/8" (149 mm).
- Optional supplied jamb extensions available between 4-9/16" (116 mm) and 7-3/16" (183 mm) wall depths.
- Optional factory-applied EnduraClad® exterior trim.

Door panels

- Select softwood, immersion treated with Pella's EnduraGuard® wood protection formula in accordance with WDMA I.S.-4. The EnduraGuard formula includes three active ingredients for protection against the effects of moisture, decay and stains from mold and mildew. Plus, an additional ingredient adds protection against termite damage.
- Interior exposed surfaces are veneered with pine.
- Exterior surfaces are clad with aluminum.
- Panel stiles have LVL core and veneered on interior face.
- Panel rails are constructed with randomly finger-jointed blocks laminated with water-resistant glue and veneered on interior face.
- Corners are secured with metal fasteners and structural adhesive.
- Panel thickness is 2-1/16" (52 mm).
- Vent panels have two adjustable ABEC 5 sealed electroplated steel ball-bearing rollers with organic coating, set on stainless steel track, standard.

– or –

- Two adjustable corrosion-resistant stainless steel ball-bearing rollers; out of-unit option.

Weatherstripping

- Flexible polymeric leaf section with overlapped corners and a slip-coating at head and jamb.
- Dual-durometer extruded polymer with bulb at sill and interlocker.

Glazing System [1]

- Quality fully-tempered float glass complying with ASTM C 1048.
- Custom and high altitude glazing available.
- Silicone-glazed, 3/4" double-pane, dual-seal, insulating glass
  - [Clear] [Obscure] with air.
  - [Obscure Low-E with [argon][air]] [Advanced Low-E] [AdvancedComfort Low-E] [SunDefense™ Low-E] [NaturalSun Low-E] with [argon] [air].
  - [Bronze] [Gray] [Green] Advanced Low-E with [argon] [air].

- or –

- Silicone-glazed, [3/4”] [7/8”] double-pane, dual-seal, laminated, insulating glass
  - Clear with air.
  - [Advanced Low-E] [SunDefense™ Low-E] with argon.
  - [Bronze] [Gray] [Green] Advanced Low-E with argon.

– or –

- Silicone-glazed, 1-3/8” triple-pane, dual-seal, insulating glass
  - [Obscure Low-E with [argon][air]] [Advanced Low-E] [SunDefense™ Low-E] [NaturalSun Low-E] with [argon] [air].

Exterior

- Aluminum clad exteriors shall be finished with EnduraClad® protective finish, in a multi-step, baked-on finish.
  - Color is [Standard] [Feature] [custom][2].

– or –

- Aluminum clad exteriors shall be finished with EnduraClad Plus protective finish with 70% fluoropolymer resin in a multi-step, baked-on finish.
  - Color is [Standard] [Feature] [custom][2].

Interior

- [Unfinished, ready for site finishing] [factory primed with one coat acrylic latex] [factory prefinished [paint] [stain][2]].

Hardware

- [Standard Exterior handle finish is matched to exterior cladding finish] [Interior and exterior handle finish is [Satin Brass] [Satin Nickel] [Oil-Rubbed Bronze] [Polished Chrome] [baked enamel [Champagne] [White] [Brown] [Matte Black]]].
- Keylock with K-keyway cylinder. Finish is [Chrome].
- Multi-point locking hardware is electroplated steel with stainless steel strikes.
- Vent Lock, secondary lock or vents panel open 4", positioned [24" from top for ≤ 96" tall doors] [48" from top for > 96" tall doors] finish is [White] [Black] to correspond with interior panel color.
- Interior and exterior screen handle finish will be [White] [Black] [Brown] [Fossil] [Morning Sky Gray] to complement screen frame color.

Optional Products

Grilles

- Integral Light Technology®
  - Interior grilles are [5/8"] [7/8"] [1-1/4"] square profile that are solid pine. Interior surfaces are [unfinished, ready for site finishing] [factory primed] [factory prefinished [White] [Linen White] [Bright White] [stain[2]]].
  - Exterior grilles are [5/8"] [7/8"] [1-1/4"] square profile that are extruded aluminum.
  - Patterns are [Traditional] [Prairie] [Top Row] [Cross].
  - Insulating glass contains non-glare spacer between the panes of glass.
  - Grilles are adhered to both sides of the insulating glass with VHB acrylic adhesive tape and aligned with spacer

– or –

- Grilles-Between-the-Glass [3]
  - Insulating glass contains 3/4" contoured aluminum grilles permanently installed between two panes of glass.
  - Patterns are [Traditional] [Prairie] [Cross] [Top Row]
  - Interior color is Interior color is [Black] [White] [Brown [4]] [Fossil] [Harvest] [Cordovan] [Ivory] [Tan [4]] [Brickstone] [Putty [4]].
  - Exterior color [5] is [standard] [feature][2].

Screens

- InView™ screens
  - Vinyl-coated 18/18 mesh fiberglass screen cloth complying with the performance requirements of SMA 1201, set in aluminum frame, supplied complete with all necessary hardware.
  - Insect screen assembly is top-hung on two adjustable nylon rollers installed on exterior side of door panels.
  - Screen frame exterior is painted to match exterior color.

– or –

- TuffScreen® by Phifer®
  - Vinyl-coated 17/12.5 mesh polyester screen cloth complying with the performance requirements of SMA 1201, set in aluminum frame, supplied complete with all necessary hardware.
  - Insect screen assembly is top-hung on two adjustable nylon rollers installed on exterior side of door panels.
  - Screen frame exterior is painted to match exterior color.

(1) Insulating glass with argon is Low-E coated. All other insulating glass is air-filled.
(2) Contact your local Pella sales representative for current color options.
(3) Available in clear or Low-E insulating glass with argon, and obscure insulated glass.
(4) Tan and Putty Interior GBG colors are available in single-tone (Putty/Putty or Tan/Tan) (Putty mono). Other interior colors are also available with Tan or Brown exterior.
(5) Appearance of exterior grille color will vary depending on Low-E coating on glass.
The TuffScreen and Pfifer trademarks are property of Phifer Incorporated.

Unit Sections

RESERVE GLAZING OPTIONS

1-3/8" TRIPLE IG

3/4" IG SQUARE

7/8" IG SQUARE

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

Unit Sections - Dual-Pane

Scale 3" = 1' 0"

All dimensions are approximate.

Unit Sections - Dual-Pane

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

Unit Sections - Dual-Pane

Scale 3" = 1' 0"

All dimensions are approximate.

Unit Sections - Dual-Pane

HORIZONTAL JOINING MULLION
TRANSOM / RESERVE SLIDING DOOR (VENT)

HORIZONTAL JOINING MULLION
TRANSOM / RESERVE SLIDING DOOR (FIXED)

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

Unit Sections - Performance Upgrade

Scale 3" = 1' 0"

All dimensions are approximate.

Unit Sections - Triple-Pane

Scale 3" = 1' 0"

All dimensions are approximate.

Unit Sections - Triple-Pane

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

Unit Sections - Triple-Pane

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

Unit Sections - Triple-Pane

HORIZONTAL JOINING MULLION
TRANSOM / RESERVE SLIDING DOOR (VENT)

HORIZONTAL JOINING MULLION
TRANSOM / RESERVE SLIDING DOOR (FIXED)

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