

Vivid™ Sliding Patio Doors

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Unit Features

Vivid Sliding Patio Door: VNSPD

Configurations:

- Rectangles Only
- Two-panel doors: OX, XO
- Three-panel doors: OOX, XOO, OXO LH, OXO RH
- Four-panel doors: OXXO LH, OXXO RH

Frame and Panel:

- Frame and panel are Ultrex®, an advanced fiberglass reinforced pultrusion material that is resistant to thermal expansion and contraction
- Exterior colors: Stone White, Pebble Grey, Bronze, or Ebony.
- Interior colors: Stone White or Ebony. Ebony available only with Ebony exterior.

Frame:

- Frame thickness: 1 31/64" (37)
- Frame depth: 5 43/64" (144)
- Frame depth: 4 9/16" (116)
- Exterior colors: Stone White, Pebble Grey, Bronze, or Ebony.
- Interior colors: Stone White or Ebony

Panel:

- Panel thickness: 1 3/4" (44)
- Top rail, stiles and bottom rail: 2 5/16" (59)
- Exterior colors: Stone White, Pebble Grey, Bronze, or Ebony.
- Interior colors: Stone White or Ebony

Sill:

- Sill is Ultrex®.
- Dimensions
 - Sill is 2 1/4" tall by 6 1/16" deep.
- Ultrex and sill liner may be coated Beige or Bronze, with color matched sill weatherstrip and sill liner

Hardware:

- Multi-point locking system:
 - Keyed
 - An anti-slam pin is standard to prevent from locking when door is open
 - Handle set: interior and exterior selected separately
 - Polyester powder coat finish on zinc die-cast
 - Cambridge handle set: available in White and Matte Black
 - Northfield handle set: available in White and Matte Black
 - Optional finishes are applied to a solid brass substrate
 - Cambridge handle set available in Satin Nickel PVD, Oil Rubbed Bronze PVD
 - Northfield handle set available in Satin Nickel PVD, Oil Rubbed Bronze PVD
- Rollers:
 - Two adjustable steel roller assemblies per operating panel
 - Two ball bearing wheels per roller assembly
 - Maximum vertical adjustment: 5/16" (8)
- Foot bolt:
 - Color: white, bronze
- Flush bolt assembly (OXXO only)

Unit Features

Simulated Divided Lites (SDL):

- 7/8" (22) bar (interior and exterior)
- Exterior: color matched to unit exterior
- Interior: color matched to interior
- Pattern: equal rectangular, cottage, prairie, check rail and oriel

Grilles-Between-the-Glass (GBG):

- 23/32" (18) or 1" (25) contoured aluminum bar
- Exterior: color matched to unit exterior is default. Customer selected options available.
- The exterior GBG color is designed to best match the unit exterior color when used with Low E glass. The use of different types of glazing options may alter the exterior GBG color appearance.
- Interior colors: Stone White, and Ebony
- Pattern: equal rectangular, cottage, prairie, check rail and oriel

Weather Strip:

- The meeting stiles are sealed using an interlock with a bulb-type weather strip and a fin.
- Jamb, head jamb, and sill utilize a leaf style weather strip
- The sill weather strip will match the sill color. When a Bronze sill is ordered, the sill weather strip will be black, and when the Beige sill is ordered, the sill weather strip will be beige.
- Astragal has a bulb-type weather strip
- Operator jamb, header, interlock and astragal cap/weather strip (OXO) color to complement exterior finish.
- Stationary jamb and astragal (OXXO) weather strip color is selectable but defaults to complement interior finish
 - Options: Beige, black and white

Insect Screens:

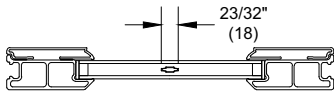
- Extruded aluminum sliding frame
 - Color: Stone White, Pebble Grey, Bronze, or Ebony.
- Top hung roller assembly with stainless steel ball bearings in nylon wheels, top roller adjustable up to 3/8" (10)
- Standard screen mesh material: charcoal fiberglass
- Optional screen mesh material: high transparency
- Flush mounted rigid nylon handle

Glass:

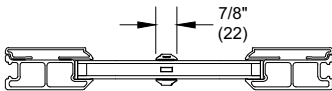
- Glazing seal: silicone bedding on interior and exterior
- Standard glass: Low E2 tempered with Argon
- Optional glazing available: Low E1 tempered with Argon or air, Low E3 tempered with Argon or air, Low E2/ERS, Low E3/ERS tempered with Argon or air, and obscure, Bronze Tint, Gray Tint, and Green Tint
- Insulating glass will be altitude adjusted with capillary tubes for higher elevations
- Argon gas is not available for elevations that require capillary tubes

Installation:

- KD available to meet size and shipping limits.
- Factory applied folding nailing fin and drip cap system.
- Through-Jamb installation also available and certified.
- Masonry bracket kits are available for masonry applications.
- Factory mulls are not available. Factory-supplied field mulling kits are available for standard assemblies. Muller unit assemblies are WDMA certified to PG25 up to spans of 71 1/4" and tributary heights of 49 3/4" in 1W2H configurations (1- and 2-panel doors only)
- Field Mulling beyond 110" x 112" is not recommended.



Insulating Glass
23/32" GBG



Insulating Glass
7/8" SDL w/ spacer bar

Minimum and Maximum Guidelines

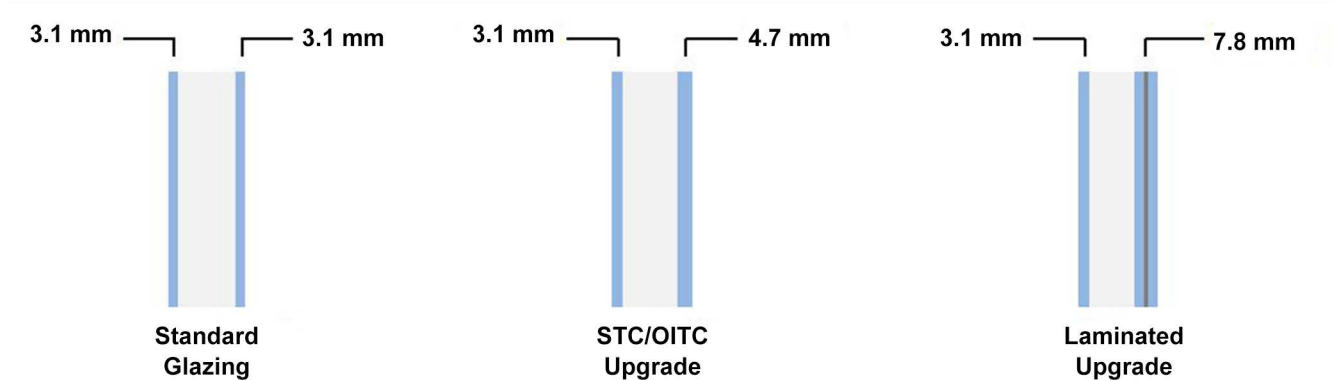
Unit Configuration	Frame Size							
	Min Width		Min Height		Max Width		Max Height	
	in	mm	in	mm	in	mm	in	mm
2 - Panel Operator	53	(1346)	73 1/2	(1867)	95	(2413)	95 1/2	(2426)
3 - Panel Operator	79 1/2	(2019)	73 1/2	(1867)	142 1/2	(3620)	95 1/2	(2426)
4 - Panel Operator	117	(2972)	73 1/2	(1867)	189	(4801)	95 1/2	(2426)

Certified Sizes

Product	Air Tested to psf	Water Tested to psf	Design Pressure (DP)	Certification Rating	Max Overall Width		Max Overall Height	
					in	mm	in	mm
Sliding Patio Door (VNSPD 6070 XO/OX)	1.57	6	40	LC-PG40-SD	71	(1803)	86	(2184)
Sliding Patio Door (VNSPD 8080 XO/OX)	1.57	4.5	30	LC-PG30-SD	95	(2413)	95 1/2	(2426)
Sliding Patio Door (VNSPD 9070 OOX / XOO)	1.57	4.5	30	LC-PG30-SD	106 1/2	(2705)	86	(2184)
Sliding Patio Door (VNSPD 9080 OOX / XOO)	1.57	4.5	30	LC-PG30-SD	106 1/2	(2705)	95 1/2	(2426)
Sliding Patio Door (VNSPD 12070 OOX / XOO)	1.57	3.75	25	LC-PG25-SD	142 1/2	(3620)	86	(2184)
Sliding Patio Door (VNSPD 12080 OOX / XOO)	1.57	3.75	25	LC-PG25-SD	142 1/2	(3620)	95 1/2	(2426)
Sliding Patio Door (VNSPD 9070 OXO)	1.57	4.5	30	LC-PG30-SD	106 1/2	(2705)	86	(2184)
Sliding Patio Door (VNSPD 9080 OXO)	1.57	4.5	30	LC-PG30-SD	106 1/2	(2705)	95 1/2	(2426)
Sliding Patio Door (VNSPD 12070 OXO)	1.57	3.75	25	LC-PG25-SD	142 1/2	(3620)	86	(2184)
Sliding Patio Door (VNSPD 12080 OXO)	1.57	3.75	25	LC-PG25-SD	142 1/2	(3620)	95 1/2	(2426)
Sliding Patio Door (VNSPD 16070 OXXO)	1.57	3.75	25	LC-PG25-SD	189	(4801)	86	(2184)
Sliding Patio Door (VNSPD 16080 OXXO)	1.57	3.75	25	LC-PG25-SD	189	(4801)	95 1/2	(2426)

STC/OITC Glass Values

STC/OITC ratings are shown in the chart below. STC/OITC values are provided by third party ASTM testing and reports. The STC/OITC Upgrade option incorporates variable glass thickness or laminate (L) to increase STC/OITC performance and improve sound abatement.

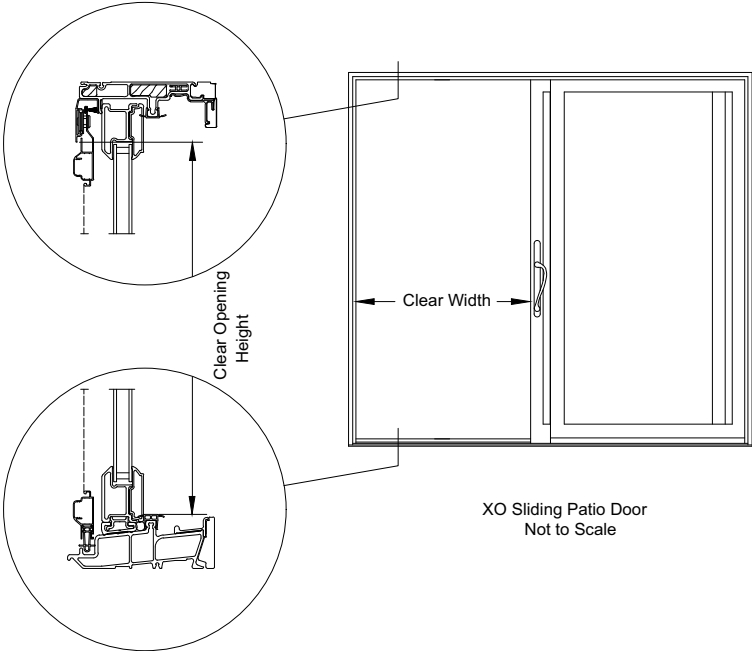


Product Type	Exterior Glazing	Airspace	Interior Glazing	STC	OITC
Sliding Patio Door	1/8" (3.1)	17/32" (13.0)	1/8" (3.1)	25	23
	1/8" (3.1)	15/32" (11.5)	3/16" (4.7)	28	25
	1/8" (3.1)	5/16" (8.0)	5/16" (7.8L)	30	27

Standard Unit Measurements

Standard Sliding Patio Door Unit Measurements													
Width													
Unit Type	Call Number	Masonry Opening		Rough Opening		Frame Size		Panel OM		Daylight Opening		Glass Size	
		ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm	ft - in	mm	in	mm
XO, OX	5-0	4-11 1/2	(1511)	5-0	(1524)	4-11	(1499)	2-5 5/8	(752)	2-1	(635)	26 1/4	(667)
	6-0	5-11 1/2	(1816)	6-0	(1829)	5-11	(1803)	2-11 5/8	(905)	2-7	(787)	32 1/4	(819)
	8-0	7-11 1/2	(2426)	8-0	(2438)	7-11	(2413)	3-11 5/8	(1210)	3-7	(1092)	44 1/4	(1124)
OOX, XOO OXO	7-6	7-5	(2261)	7-5 1/2	(2273)	7-4 1/2	(2248)	2-5 5/8	(752)	2-1	(635)	26 1/4	(667)
	9-0	8-11	(2718)	8-11 1/2	(2731)	8-10 1/2	(2705)	2-11 5/8	(905)	2-7	(787)	32 1/4	(819)
	12-0	11-11	(3632)	11-11 1/2	(3645)	11-10 1/2	(3620)	3-11 5/8	(1210)	3-7	(1092)	44 1/4	(1124)
OXXO	10-0	9-9 1/2	(2985)	9-10	(2997)	9-9	(2972)	2-5 5/8	(752)	2-1	(635)	26 1/4	(667)
	12-0	11-9 1/2	(3594)	11-10	(3607)	11-9	(3581)	2-11 5/8	(905)	2-7	(787)	32 1/4	(819)
	16-0	15-9 1/2	(4813)	15-10	(4826)	15-9	(4801)	3-11 5/8	(1210)	3-7	(1092)	44 1/4	(1124)
Height													
Unit Type	Call Number	Masonry Opening		Rough Opening		Frame Size		Panel OM		Daylight Opening		Glass Size	
		ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm	ft - in	mm	in	mm
All Configurations	6-5	6-7 3/4	(2026)	6-8	(2032)	6-7 1/2	(2019)	6-4 21/32	(1947)	6-0 1/32	(1830)	73 15/64	(1860)
	6-8	6-10 1/4	(2089)	6-10 1/2	(2096)	6-10	(2083)	6-7 5/32	(2011)	6-2 17/32	(1893)	75 47/64	(1923)
	8-0	7-11 3/4	(2432)	8-0	(2438)	7-11 1/2	(2426)	7-8 21/32	(2354)	7-4 1/32	(2236)	89 15/64	(2266)

Net Clear Opening Sliding Patio Door			
Width			
Unit Type	Call Number	Net Clear Openings	
		ft-in	mm
2 Panel Operator (OX / XO)	5-0	1-11 17/64	(591)
	6-0	2-5 17/64	(743)
	8-0	3-5 17/64	(1048)
3 Panel Operator (OOX / XOO)	7-6	1-11 17/64	(591)
	9-0	2-5 17/64	(743)
	12-0	3-5 17/64	(1048)
3 Panel Operator (OXO)	7-6	1-11 3/8	(594)
	9-0	2-5 3/8	(746)
	12-0	3-5 3/8	(1051)
4 Panel Operator (OXXO)	10-0	3-10 57/64	(1191)
	12-0	4-10 57/64	(1496)
	16-0	6-10 57/64	(2106)
Height			
Unit Type	Call Number	Net Clear Openings	
		ft - in	mm
All Configurations	6-5	6-2 47/64	(1898)
	6-8	6-5 15/64	(1962)
	8-0	7-6 47/64	(2305)



Measurement Conversions: 2 Panel Configurations

Unit Measurements: 2 Panel Configuration		Width			Height	
From	To					
Rough Opening			in	mm	in	mm
Masonry Opening	Rough Opening		+ 1/2	(13)	+ 1/4	(6)
OM of Frame	Rough Opening		+ 1	(25)	+ 1/2	(13)
Daylight Opening	Rough Opening	x 2	+ 10	(254)	+ 7 31/32	(202)
Panel			in	mm	in	mm
OM of Frame	OM of Panel	÷ 2	+ 1/8	(3)	-2 27/32	-(72)
Daylight Opening	OM of Panel		+ 4 5/8	(118)	+ 4 5/8	(118)
Glass			in	mm	in	mm
OM of Frame	Glass	÷ 2	-3 1/4	-(83)	-6 17/64	-(159)
Daylight Opening	Glass		+ 1 1/4	(32)	+ 1 3/16	(30)
Screen			in	mm	in	mm
OM of Frame	OM of Screen	÷ 2	-5/16	-(8)	-2 29/64	-(62)
Daylight Opening	OM of Screen		+ 4 3/16	(106)	+ 5 1/64	(127)

Measurement Conversions: 3 Panel Configurations

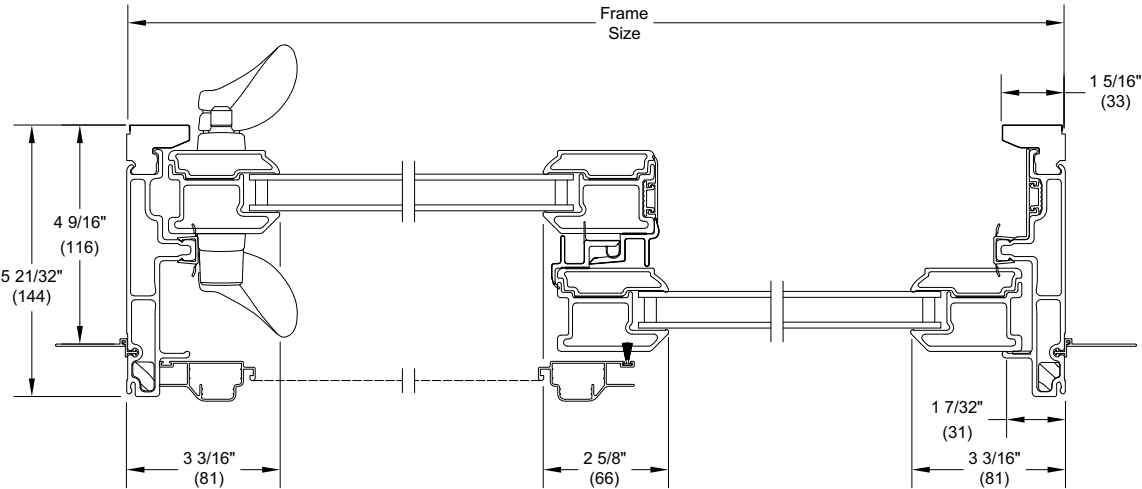
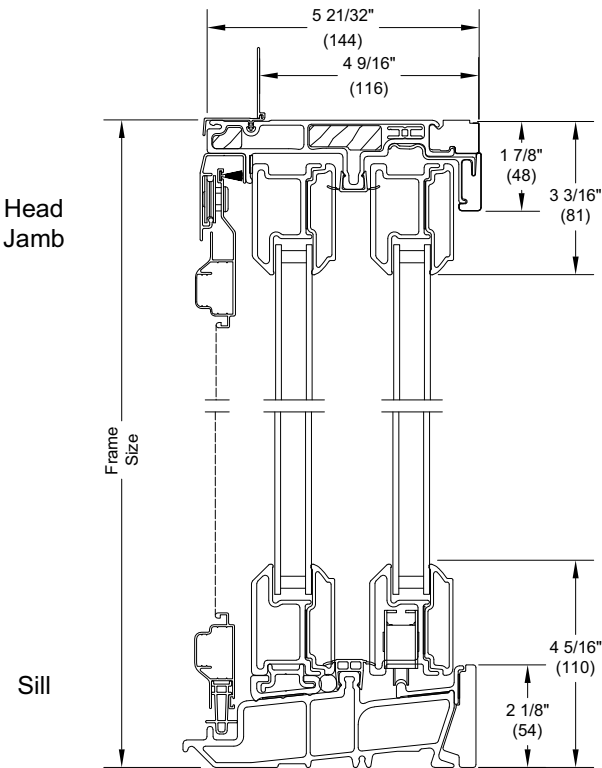
Unit Measurements: 3 Panel Configuration		Width			Height	
From	To					
Rough Opening			in	mm	in	mm
Masonry Opening	Rough Opening		+ 1/2	(13)	+ 1/4	(6)
OM of Frame	Rough Opening		+ 1	(25)	+ 1/2	(13)
Daylight Opening	Rough Opening	x 3	+ 14 1/2	(368)	+ 7 31/32	(202)
Operating Panel			in	mm	in	mm
OM of Frame	OM of Panel	÷ 3	+ 1/8	(3)	-2 27/32	-(72)
Daylight Opening	OM of Panel		+ 4 5/8	(118)	+ 4 5/8	(118)
Glass			in	mm	in	mm
OM of Frame	Glass	÷ 3	-3 1/4	-(83)	-6 17/64	-(159)
Daylight Opening	Glass		+ 1 1/4	(32)	+ 1 3/16	(30)
Screen			in	mm	in	mm
OM of Frame	OM of Screen	÷ 3	-5/16	-(8)	-2 29/64	-(62)
Daylight Opening	OM of Screen		+ 4 3/16	(106)	+ 5 1/64	(127)

Measurement Conversions: 4 Panel Configurations

Unit Measurements: 4 Panel Configuration		Width			Height	
From	To					
Rough Opening			in	mm	in	mm
Masonry Opening	Rough Opening		+ 1/2	(13)	+ 1/4	(6)
OM of Frame	Rough Opening		+ 1	(25)	+ 1/2	(13)
Daylight Opening	Rough Opening	x 4	+ 18	(457)	+ 7 31/32	(202)
Operating Panel			in	mm	in	mm
OM of Frame	OM of Panel	÷ 4	+ 3/8	(10)	-2 27/32	-(72)
Daylight Opening	OM of Panel		+ 4 5/8	(118)	+ 4 5/8	(118)
Glass			in	mm	in	mm
OM of Frame	Glass	÷ 4	-3	-(76)	-6 17/64	-(159)
Daylight Opening	Glass		+ 1 1/4	(32)	+ 1 3/16	(30)
Screen			in	mm	in	mm
OM of Frame	OM of Screen	÷ 4	-1/16	-(2)	-2 29/64	-(62)
Daylight Opening	OM of Screen		+ 4 3/16	(106)	+ 5 1/64	(127)

Section Details: 2 Panel - Operating with 4 9/16" Jambs

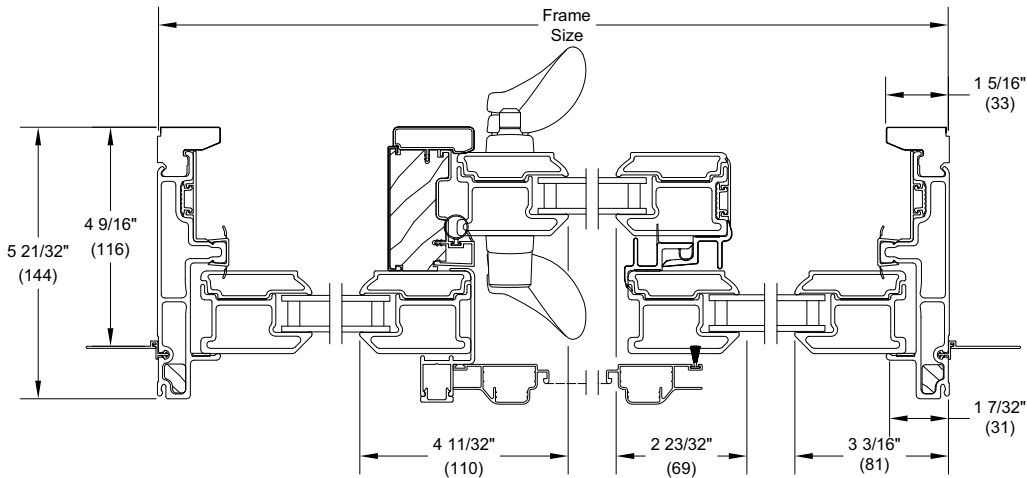
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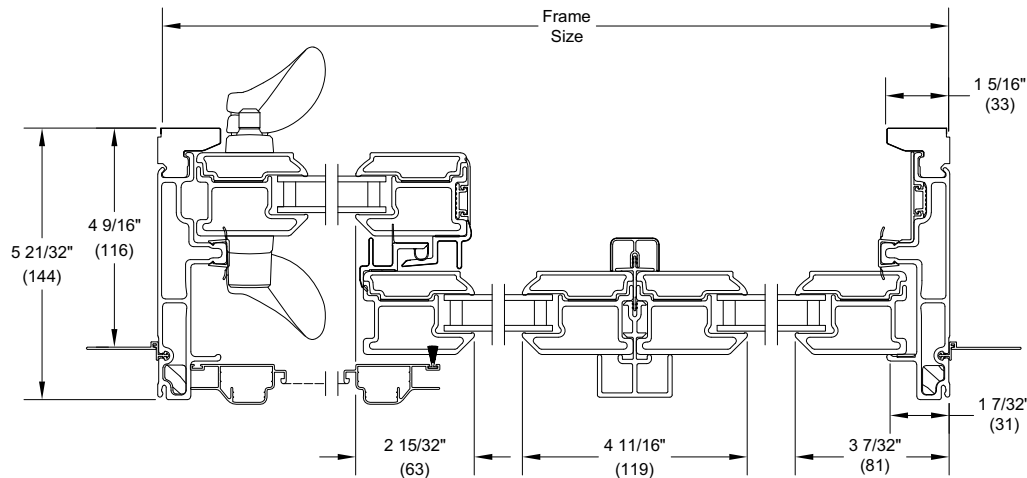
2-Panel XO - Jamb

Section Details: 3 Panel - Operating with 4 9/16" Jambs

Scale: 3" = 1' 0"



3-Panel OXO - Jamb



3-Panel XOO - Jamb

Section Details: 4 Panel - Operating with 4 9/16" Jambs

Scale: 3" = 1' 0"

