Vivid™ Sliding French Door

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Unit Features

Vivid Sliding French Door: VNSFD

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 conductance
- Exterior colors: Stone White, Pebble Grey, Bronze, or Ebony.
- Interior colors: Stone White or Ebony.
- Panel color selection may optionally differ from the color selection of the door frame.

Frame:

- Frame thickness: 1 31/64" (31)
- 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 and stiles: 3 5/8" (92)
- Bottom rail: 6" (152)
- Exterior colors: Stone White, Pebble Grey, Bronze, or Ebony.
- Interior colors: Stone White or Ebony

Sill:

- Sill is Ultrex®.
- Dimensions
  - Sill is 2 9/32" tall by 5 9/16" deep.
- May be coated Beige or Bronze, with color matched sill weatherstrip and sill liner (Black with Bronze, or Beige with Beige)

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, modern handle sets optional
    - Polyester powder coat finish on zinc die-cast
      - Cambridge handle set: available in White, Matte Black
      - Northfield handle set: available in White, Matte Black
    - Optional finishes are applied to a solid brass substrate
      - Classic handle set available in Satin Nickel PVD, Oil Rubbed Bronze PVD,
      - Modern 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
  - Field-applied only
- Flush bolt assembly (OXXO only)

Unit Features

Weather Strip:

- Astragal has a bulb type weather strip.
- Interlock has a full length leaf style and bulb type weather strip.
- 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 a Beige sill is ordered, the sill weather strip will be beige.
- 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 screen
  - 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

Simulated Divided Lites (SDLS):

- 7/8" (22) bar with spacer (interior and exterior)
- Exterior: Ultrex, color matched to panel exterior
- Interior: ABS (Acrylonitrile Butadiene Styrene), color matched to panel interior
- Pattern: rectangular, cottage, 4, 6 or 9 lite prairie, oriel, check rail

Grilles-Between-the-Glass (GBG):

- 23/32" (18) contoured aluminum bar
- Exterior: color matched to unit exterior is default. Customer selected GBG color options are 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 or Ebony
- Pattern: equal rectangular, cottage, prairie, check rail and oriel

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. Mulled 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.

Unit Features

Jamb Extension

- Factory applied pine painted to interior finish color.
- Standard jamb depth is 4 9/16" (115).
- Extension available in two depths:
  - For 6 9/16" jamb depth, 37/64" (14) x 2" (50).
  - For 6 13/16" jamb depth, 37/64" (14) x 2 1/4" (57).
- Default color will match the unit interior selection. Color selection may optionally differ from the interior color selection of the door frame
- Option to have Jamb Extensions shipped loose.

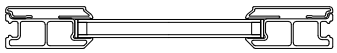
Exterior Casing

- Non-integral to the unit.
- Field applied only
- Fastened to the exterior wall with barb and kerf:
- 2" (51) brick mould casing available as header and jamb surround. Extends 1 11/16" (43) from frame.
- 3 1/2" (89) flat casing. Extends 3 3/16" (81) from frame.
- Also available with 2" (50) ranch style header overhang.
- Color selection may optionally differ from the exterior color selection of the door frame

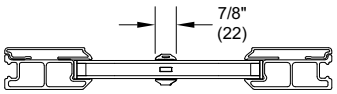
Glass

- Glazing Seal: Silicone bedding on interior and exterior
- Standard Glass Makeups:
  - 3/4" nominal thickness insulating glass with Low E2, and Argon gas.
- Gas Fill Options: Argon or Air
- Glass Coating Options:
  - Low E1,
  - Low E2,
  - Low E3,
  - Low ERS,
  - Clear (no coating)
- Available Glass Types:
  - Laminate, STC/OITC upgrade, Tempered, Decorative.
- Decorative glass options: Obscure, Glue Chip, Rain, Reed, Narrow Reed, Frost, Tinted (bronze, gray, or green).
- Decorative glass options may be limited due to glass makeup and Low E configurations.
- SDL not available on Rain, Reed and Narrow Reed
- SDL available on Obscure and Frost. Available on annealed or tempered glass.
- SDL available on Glue Chip; tempered glass required.
- Insulating glass will be altitude adjusted with capillary tubes for higher elevations
  - Glass air spaces with capillary tubes are considered air filled

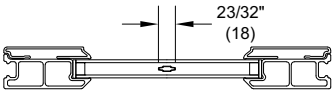
Lite Options



Insulating Glass



Insulating Glass
7/8" SDL w/ spacer bar



Insulating Glass
23/32" GBG

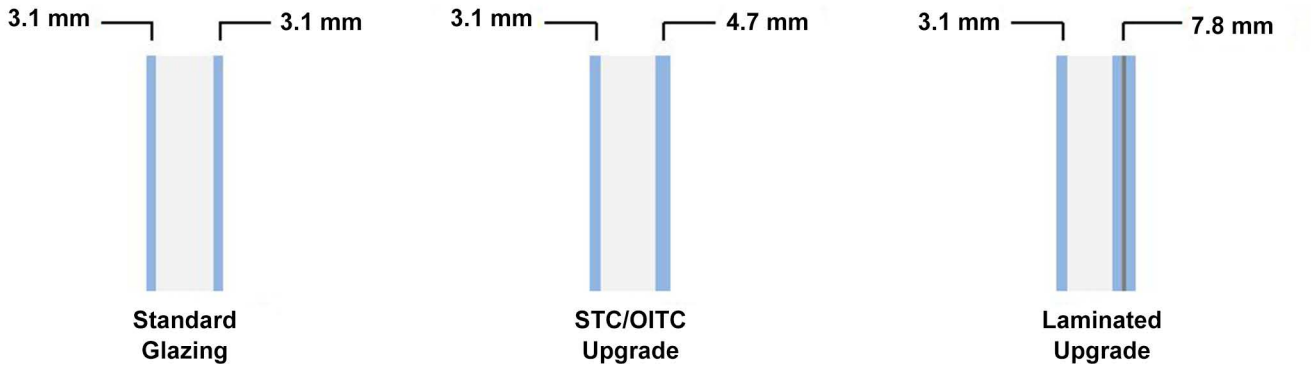
Minimum and Maximum Guidelines and Certified Sizes

Minimum and Maximum Guidelines								
Unit Type	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)

Product	Air Tested to psf	Water Tested to psf	Design Pressure (DP)	Certification Rating	Max Overall Width		Max Overall Height	
					in	mm	in	mm
VIVID Sliding French Door (OX/XO)	1.57	6	40	LC-PG40-SD	95	(2413)	95 1/2	(2426)
VIVID Sliding French Door (OOX/XOO, OXO)	1.57	6	40	LC-PG40-SD	106 1/2	(2705)	95 1/2	(2426)
VIVID Sliding French Door (OOX/XOO, OXO)	1.57	4.60	30	LC-PG30-SD	142 1/2	(3620)	95 1/2	(2426)
VIVID Sliding French Door (OXXO)	1.57	4.60	30	LC-PG30-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.



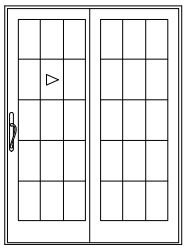
Product Type	Exterior Glazing	Airspace	Interior Glazing	STC	OITC
Sliding French Door	1/8" (3.1)	17/32" (13.0)	1/8" (3.1)	29	24
	1/8" (3.1)	15/32" (11.5)	3/16" (4.7)	30	26
	1/8" (3.1)	5/16" (8.0)	5/16" (7.8L)	33	29

Standard Unit Measurements

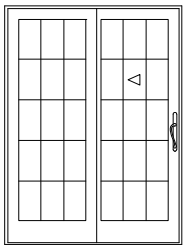
Standard Sliding French Door Unit Measurements															
Width															
Unit Type	**Call Number**	**Masonry Opening**		**Rough Opening**		**Frame Size**		**Panel OM**		**Daylight Opening**		**Glass Size**	
		ft - in	**mm**	**ft - in**	**mm**	**ft - in**	**mm**	**ft-in**	**mm**	**ft - in**	**mm**	**in**	**mm**
XO, OX	5-0	4-11 1/2	(1511)	5-0	(1524)	4-11	(1499)	2-5 5/8	(752)	1-10 3/8	(568)	23 9/16	(599)
	6-0	5-11 1/2	(1816)	6-0	(1829)	5-11	(1803)	2-11 5/8	(905)	2-4 3/8	(721)	29 9/16	(751)
	8-0	7-11 1/2	(2426)	8-0	(2438)	7-11	(2413)	3-11 5/8	(1210)	3-4 3/8	(1026)	41 9/16	(1056)
OOX, XOO OXO	7-6	7-5	(2261)	7-5 1/2	(2273)	7-4 1/2	(2248)	2-5 5/8	(752)	1-10 3/8	(568)	23 9/16	(599)
	9-0	8-11	(2718)	8-11 1/2	(2731)	8-10 1/2	(2705)	2-11 5/8	(905)	2-4 3/8	(721)	29 9/16	(751)
	12-0	11-11	(3632)	11-11 1/2	(3645)	11-10 1/2	(3620)	3-11 5/8	(1210)	3-4 3/8	(1026)	41 9/16	(1056)
OXXO	10-0	9-9 1/2	(2985)	9-10	(2997)	9-9	(2972)	2-5 5/8	(752)	1-10 3/8	(568)	23 9/16	(599)
	12-0	11-9 1/2	(3594)	11-10	(3607)	11-9	(3581)	2-11 5/8	(905)	2-4 3/8	(721)	29 9/16	(751)
	16-0	15-9 1/2	(4813)	15-10	(4826)	15-9	(4801)	3-11 5/8	(1210)	3-4 3/8	(1026)	41 9/16	(1056)
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 23/32	(1949)	5-7 3/32	(1704)	68 9/32	(1734)
	6-8	6-10 1/4	(2089)	6-10 1/2	(2096)	6-10	(2083)	6-7 7/32	(2012)	5-9 19/32	(1768)	70 25/32	(1798)
	8-0	7-11 3/4	(2432)	8-0	(2438)	7-11 1/2	(2426)	7-8 23/32	(2355)	6-11 3/32	(2111)	84 9/32	(2141)

Configurations

2 Panel Unit

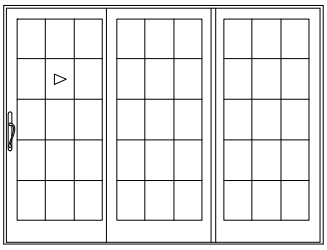


XO

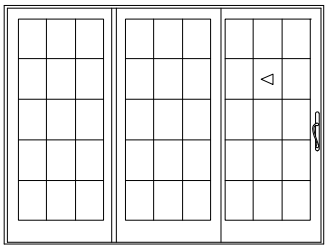


OX

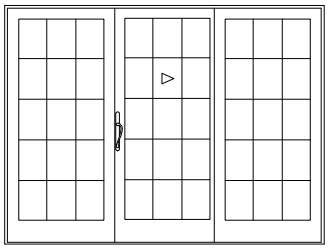
3 Panel Unit



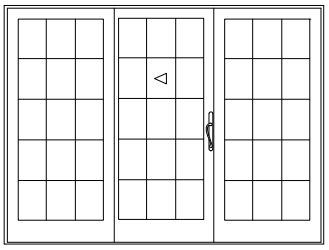
XOO



OOX

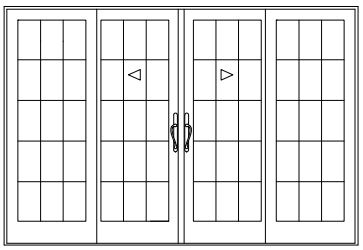


OXO R



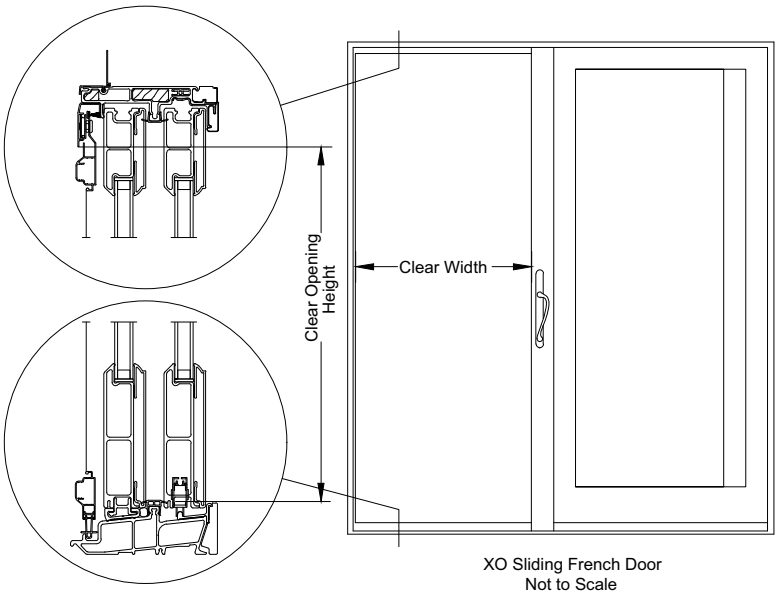
OXO L

4 Panel Unit

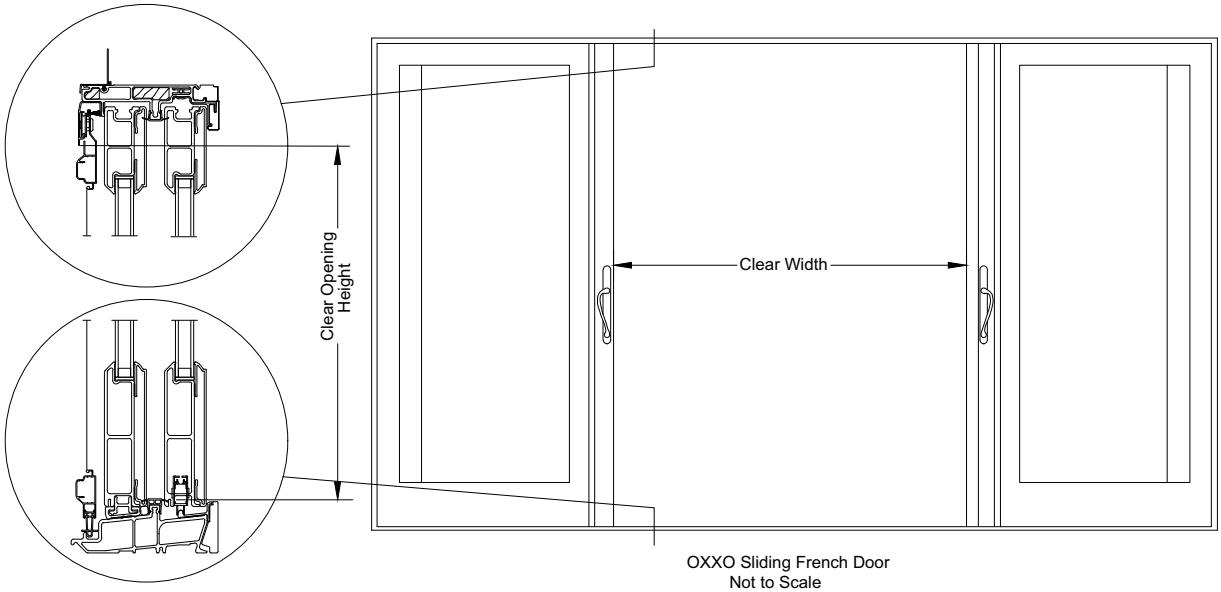


OXXO

Net Clear Opening



XO Sliding French Door
Not to Scale



OXXO Sliding French Door
Not to Scale

Net Clear Opening

Net Clear Opening Sliding French 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 13/32	(595)
	9-0	2-5 13/32	(747)
	12-0	3-5 13/32	(1052)
4 Panel Operator (OXXO)	10-0	3-11 3/64	(1195)
	12-0	4-11 3/64	(1500)
	16-0	6-11 3/64	(2109)
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: All Configurations and 2 Panel

Unit Measurements: All Configurations		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)

Unit Measurements: 2 Panel Configuration		Width			Height	
From	To					
Frame			**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	+ 15 1/4	(387)	+ 12 29/32	(328)
Panel			**in**	**mm**	**in**	**mm**
OM of Frame	OM of Panel	÷ 2	+ 1/8	(3)	- 2 25/32	-(71)
Daylight Opening	OM of Panel		+ 7 1/4	(184)	+ 9 5/8	(244)
Glass			**in**	**mm**	**in**	**mm**
Om of Frame	Glass	÷ 2	- 5 15/16	-(151)	- 11 7/32	-(285)
Daylight Opening	Glass		+ 1 3/16	(30)	+ 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		+ 6 13/16	(173)	+ 9 61/64	(253)

Measurement Conversions: 3 Panel

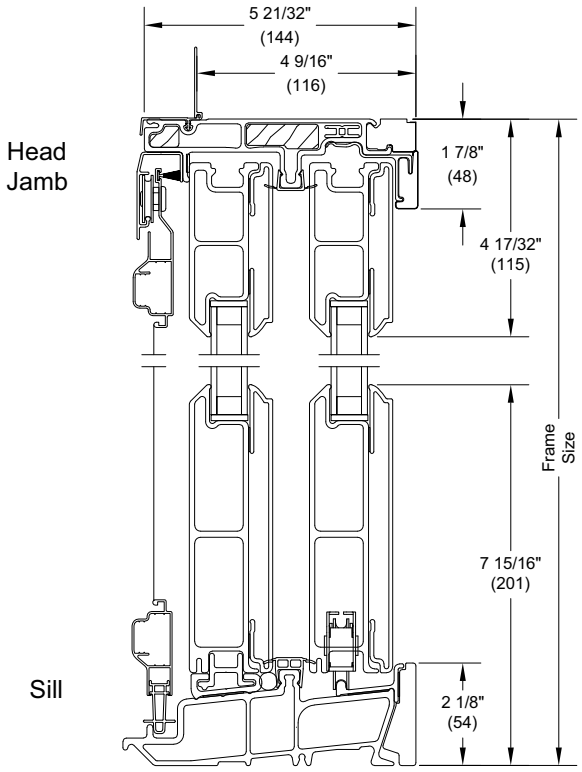
Unit Measurements: 3 Panel Configuration		Width			Height	
From	**To**					
Frame			**in**	**mm**	**in**	**mm**
Masonry Opening	Rough Opening		+ 1/2	(13)	+ 1/4	(6)
OM of Frame	Rough Opening		+ 1	(25)	+ 1/2	(13)
Daylight Opening	Rough Opening	x 3	+ 22 3/8	(568)	+ 12 29/32	(328)
Panel			**in**	**mm**	**in**	**mm**
OM of Frame	OM of Panel	÷ 3	+ 1/8	(3)	- 2 25/32	-(71)
Daylight Opening	OM of Panel		+ 7 1/4	(184)	+ 9 5/8	(244)
Glass			**in**	**mm**	**in**	**mm**
Om of Frame	Glass	÷ 3	- 5 15/16	-(151)	- 11 7/32	-(285)
Daylight Opening	Glass		+ 1 3/16	(30)	+ 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		+ 6 13/16	(173)	+ 9 61/64	(253)

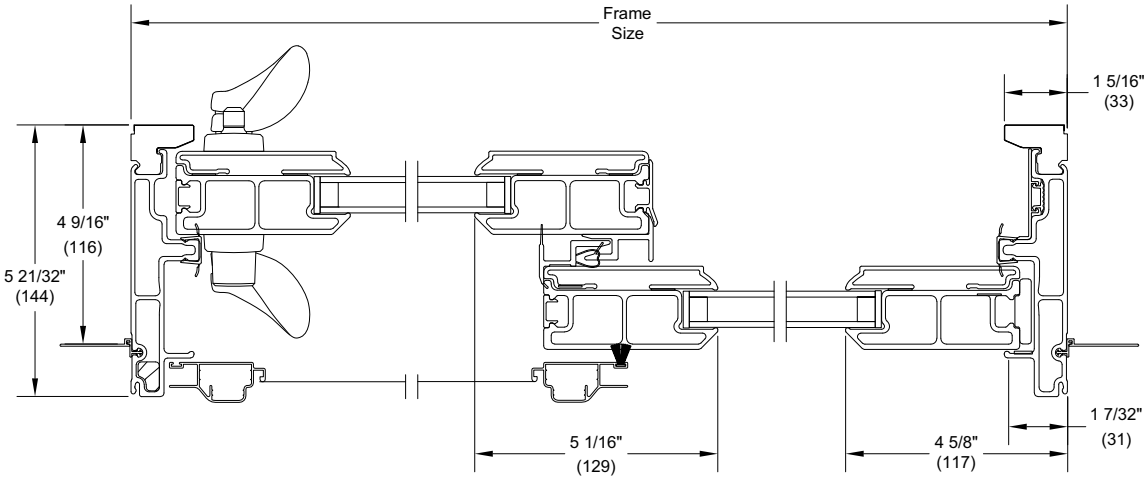
Measurement Conversions: 4 Panel

Unit Measurements: 4 Panel Configuration		Width			Height	
From	**To**					
Frame			**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	+ 28 1/2	(724)	+ 12 29/32	(328)
Panel			**in**	**mm**	**in**	**mm**
OM of Frame	OM of Panel	÷ 3	+ 3/8	(10)	- 2 25/32	-(71)
Daylight Opening	OM of Panel		+ 7 1/4	(184)	+ 9 5/8	(244)
Glass			**in**	**mm**	**in**	**mm**
Om of Frame	Glass	÷ 3	- 5 11/16	-(144)	- 11 7/32	-(285)
Daylight Opening	Glass		+ 1 3/16	(30)	+ 1 3/16	(30)
Screen			**in**	**mm**	**in**	**mm**
OM of Frame	OM of Screen	÷ 3	+ 0	()	- 2 29/64	-(62)
Daylight Opening	OM of Screen		+ 6 13/16	(173)	+ 9 61/64	(253)

Section Details: 2 Panel - Operating with 4 9/16" Jambs (RO 86 1/2" Height and Smaller)

Scale: 3" = 1' 0"

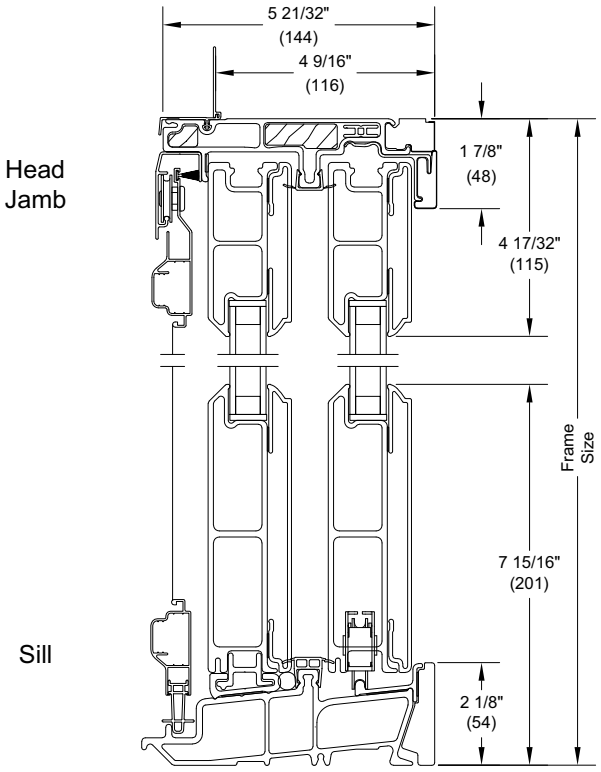


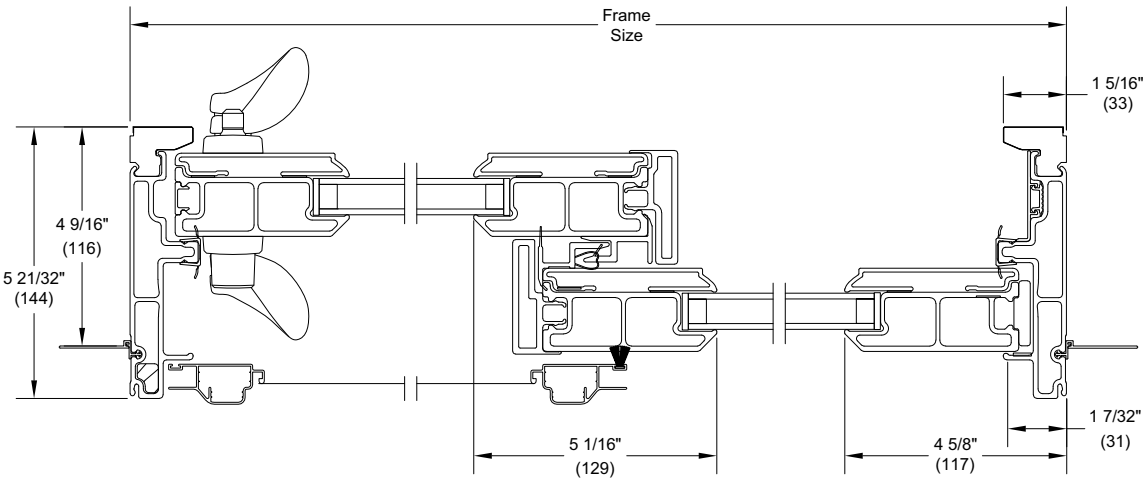


2-Panel XO - Jamb

Section Details: 2 Panel - Operating with 4 9/16" Jambs (Greater Than RO 86 1/2" Height)

Scale: 3" = 1' 0"

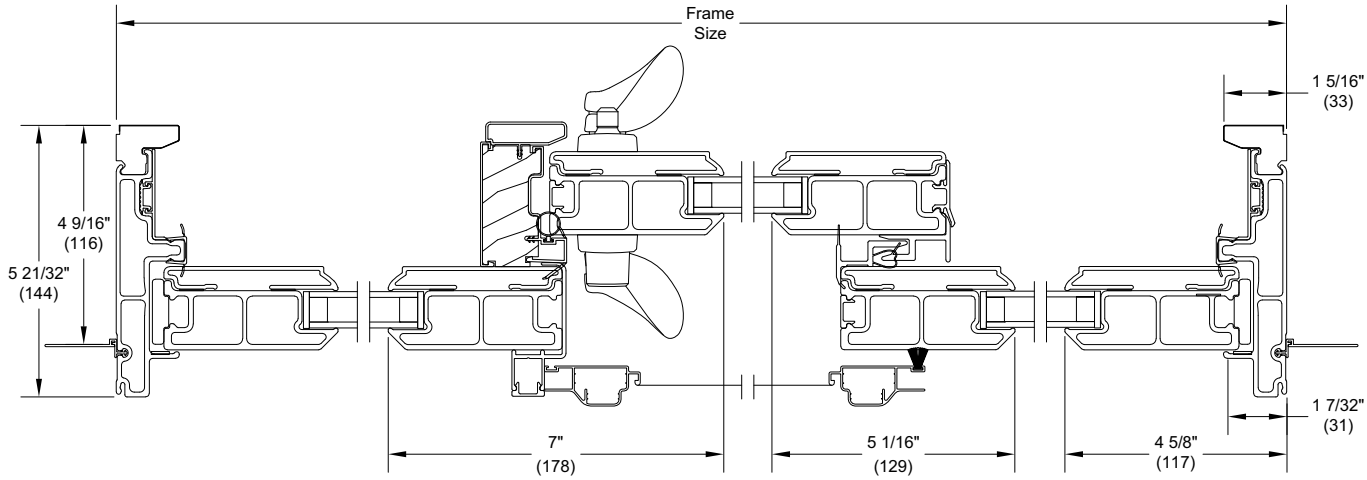




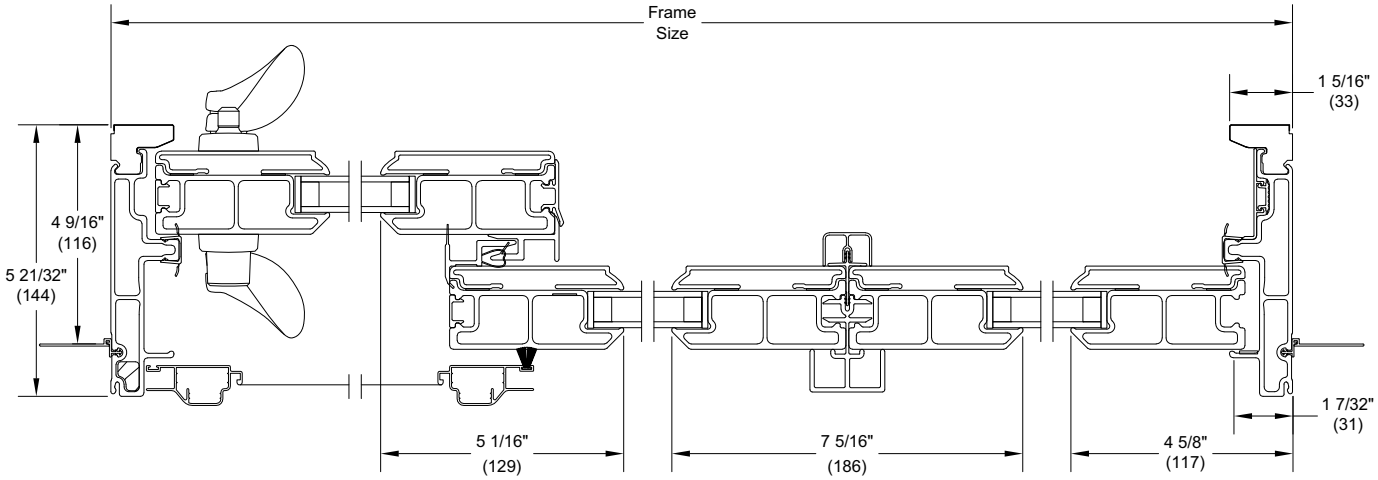
2-PANEL XO - JAMB

Section Details: 3 Panel - Operating with 4 9/16" Jambs (RO 86 1/2" Height and Smaller)

Scale: Not to Scale



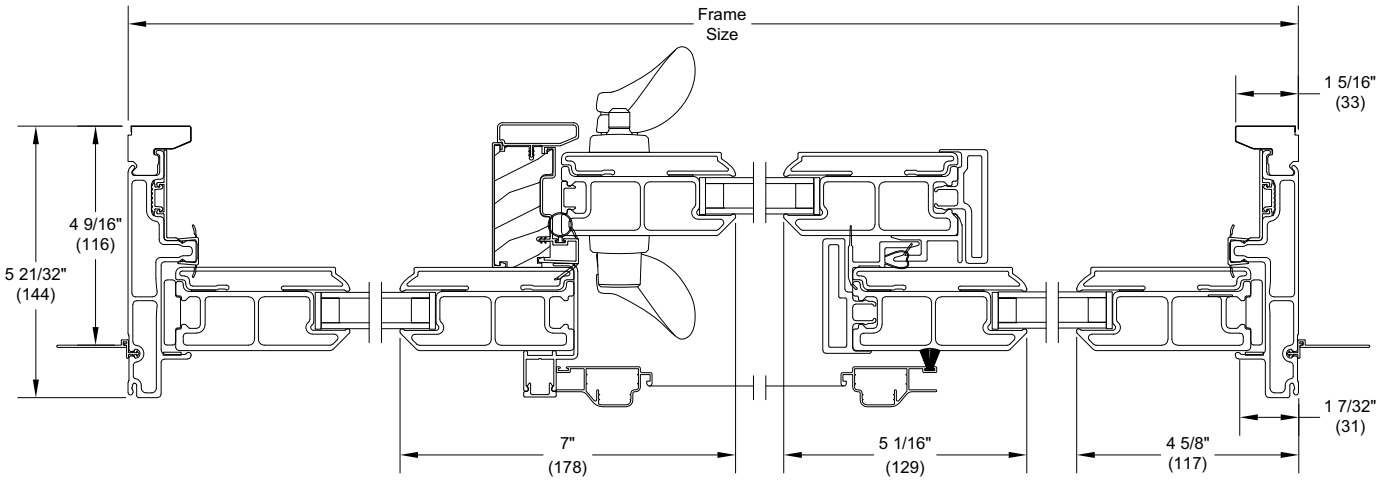
3-Panel OXO - Jamb



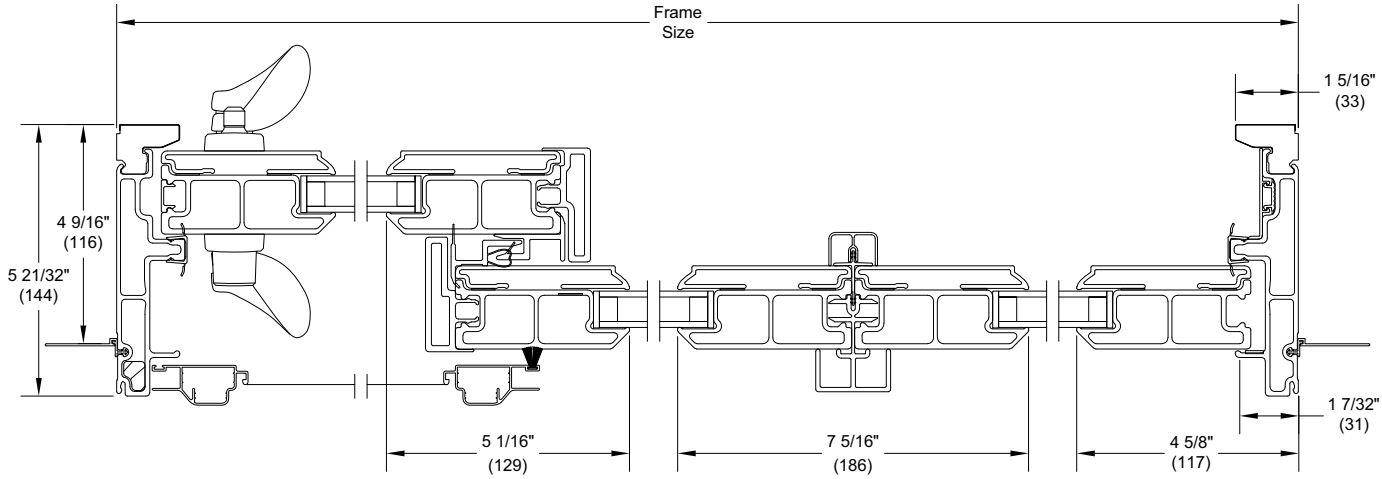
3-Panel XOO - Jamb

Section Details: 3 Panel - Operating with 4 9/16" Jambs (Greater Than RO 86 1/2" Height)

Scale: Not to Scale



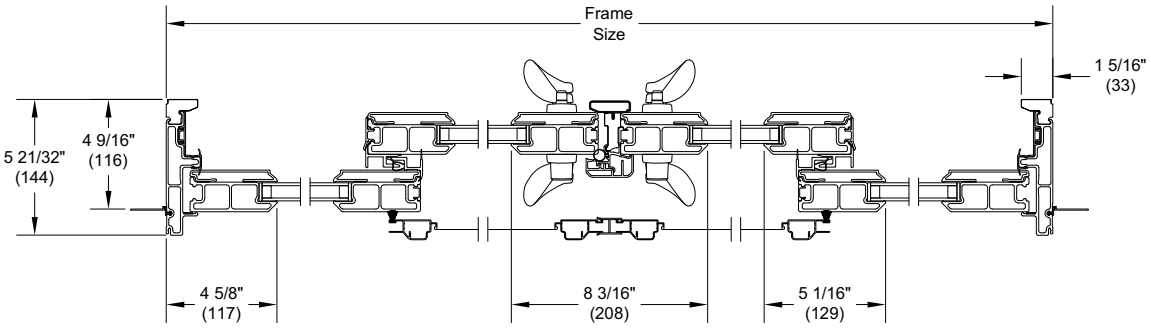
3-Panel OXO - Jamb



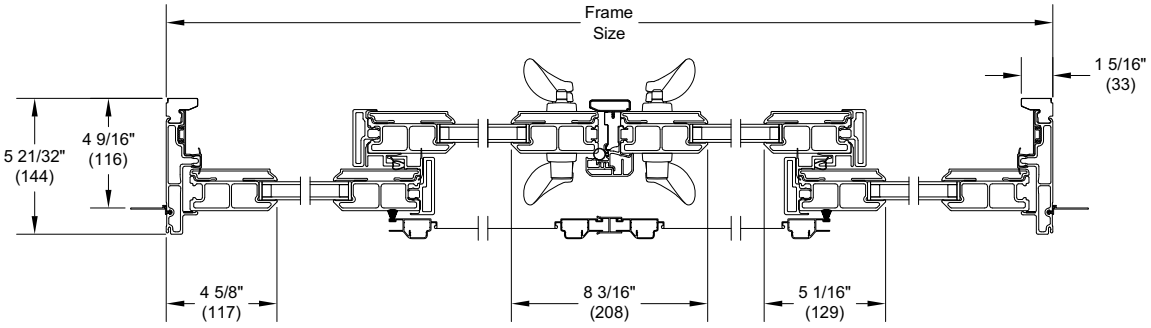
3-Panel XOO - Jamb

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

Scale: Not to Scale



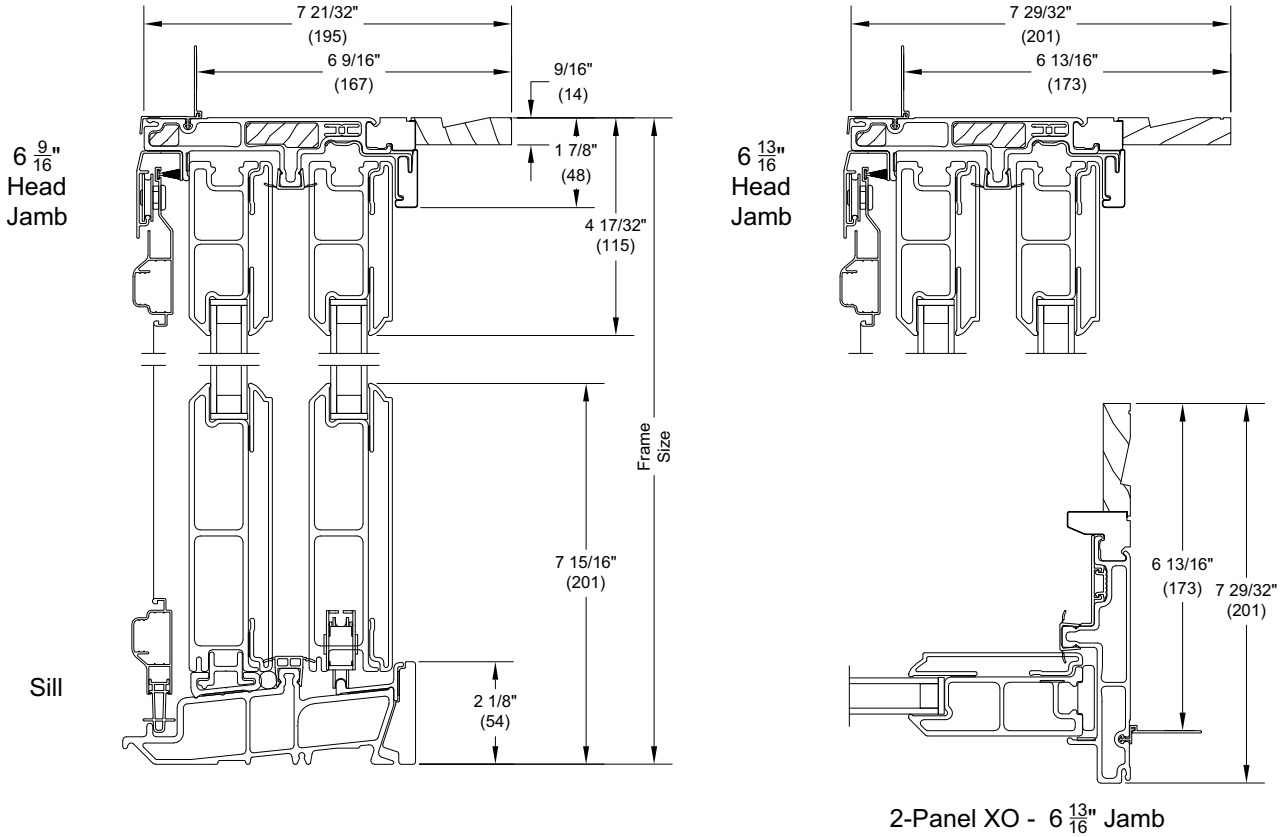
4-Panel OXXO - Jamb
(RO 86 $\frac{1}{2}$" Height and Smaller)



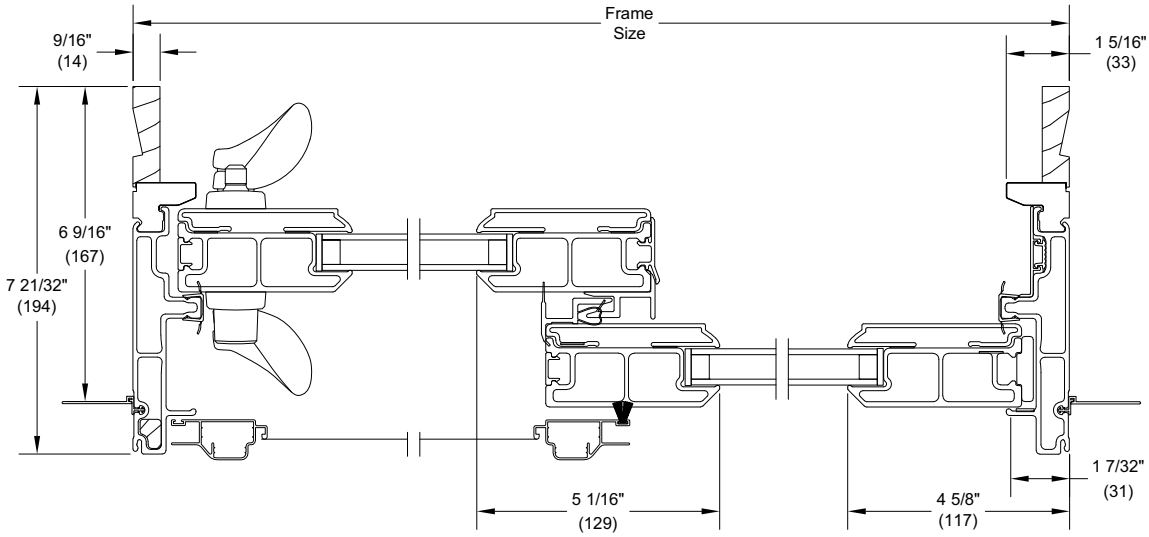
4-Panel OXXO - Jamb
(Greater Than 86 $\frac{1}{2}$" Height)

Section Details: Jamb Extension

Scale: Not to Scale



2-Panel XO - 6 13/16" Jamb



2-Panel XO - 6 9/16" Jamb