

Vivid™ Inswing French Door

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Unit Features

Vivid Inswing French Door: VNIFD

Configurations:

- One-panel doors: XR, XL, O
- Two-panel doors: XOR, XOL, OXR, OXL, XXR, XXL, OO
- Three-panel doors: XOOR, XOOL, OOXR, OOXL, OXOR, OXOL, XXOR, XXOL, OXXR, OXXL, OOO
- Rectangles Only

Frame and Panel:

- Frame and panel are Ultrex®, an advanced pultruded fiberglass 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 interior is laminate-wrapped pine.
- Frame thickness is 1 11/16" (43). Frame depth of 4 9/16" (116) or 6 9/16" (167).
- The sill is Ultrex, beige or bronze, with a cellular PVC sill liner.

Panel:

- Exterior astragal is aluminum.
- Panel thickness is 1 3/4" (44), stiles and top rails 3 5/8" (92), bottom rail width 6" (152)

Sill:

- Sill is Ultrex®.
- Dimensions
 - 4 9/16" sill is 2" tall by 5 31/32".
 - 6 9/16" sill is 2" tall by 7 31/32"
- 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
 - Multi-point lock, latch and deadbolt assembly included on each operating door. Handle has standard deadbolt and top and bottom shoot bolts which are operated by the handle set
 - Handle set: interior and exterior selected separately, Northfield 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
 - Cambridge handle set available in Satin Nickel PVD, Oil Rubbed Bronze PVD
 - Northfield handle set available in Satin Nickel PVD, Oil Rubbed Bronze PVD
- Standard locking strike plate will be stainless steel, with an optional brass strike on X, XO-R, XOO-R, OX-L, and OOX-L doors. Hinges contain both horizontal and vertical adjustment feature. Three hinges are used on all operating panels. Available in White, Satin Nickel PVD, Oil Rubbed Bronze PVD, Ebony

Insect Screens:

- Extruded aluminum sliding frame for XO, OX, XOO, OOX, OXO doors
 - 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
- Extruded aluminum swinging screen for X and XX doors
 - 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
 - Includes handle, latch, pneumatic, and sweep

Unit Features**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 or Low E3/ERS tempered with Argon or air, obscure, glue chip, frost, 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

Weather Strip:

- Black colored, dual bulb weather strip is standard on jambs, head jamb, astragal, and mull post.
- Sill weather strip is either beige or black to match the sill color, and single bulb

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, oriel, check rail

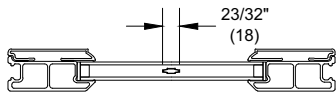
Grilles-Between-the-Glass (GBG):

- 23/32" (18) contoured aluminum bar
- Exterior: color matched to unit exterior is standard. (Stone White, Pebble Grey, Bronze, or Ebony)
- 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, oriel, check rail

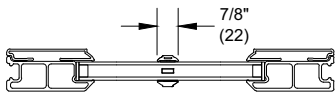
Installation:

- 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.

Lite Options



Insulating Glass
23/32" GBG



Insulating Glass
7/8" SDL w/ spacer bar

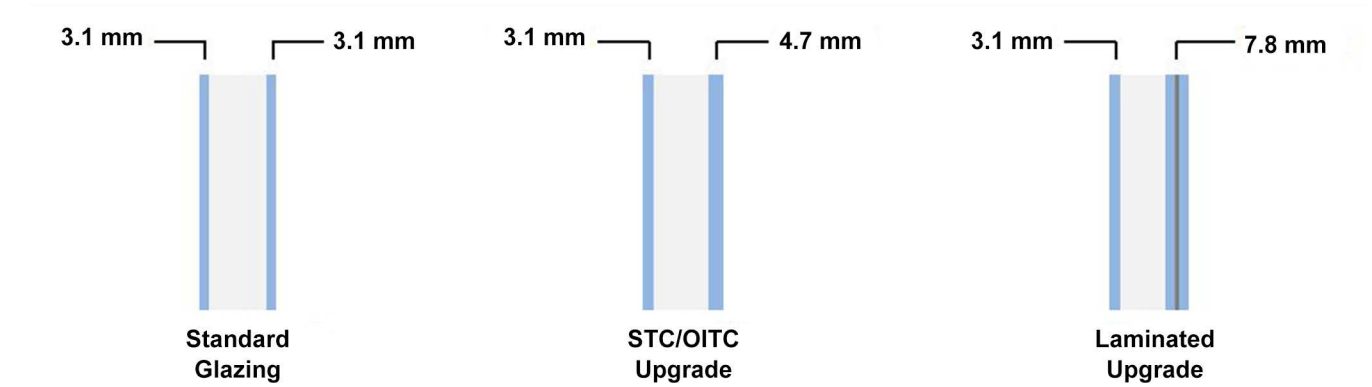
Minimum and Maximum Guidelines and Certified Sizes

Operator/Stationary Units								
Unit Type	Frame Size							
	Min Width		Min Height		Max Width		Max Height	
	in	mm	in	mm	in	mm	in	mm
1 - Panel O	24 5/16	(618)	79 1/2	(2019)	36 5/16	(922)	95 1/2	(2426)
1 - Panel X	30 5/16	(770)	79 1/2	(2019)	36 5/16	(922)	95 1/2	(2426)
2 - Panel OO, XX	47	(1194)	79 1/2	(2019)	71	(1803)	95 1/2	(2426)
2 - Panel XO/OX	59	(1499)	79 1/2	(2019)	71	(1803)	95 1/2	(2426)
3 - Panel OOO	69 3/4	(1772)	79 1/2	(2019)	105 3/4	(2686)	95 1/2	(2426)
3 - Panel XOO/OOX, OXO, XXO/OXX	87 3/4	(2229)	79 1/2	(2019)	105 3/4	(2686)	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 Inswing French Door (OX / XO)	1.57	4.50	30	LC-PG30-SHD	71	(1803)	95.5	(2426)
Vivid Inswing French Door (XX)	1.57	4.50	30	LC-PG30-SHD	71	(1803)	95.5	(2426)
Vivid Inswing French Door (OO)	1.57	4.50	30	LC-PG30-SHD	71	(1803)	95.5	(2426)
Vivid Inswing French Door (X)	1.57	4.50	30	LC-PG30-SHD	36.319	(923)	95.5	(2426)
Vivid Inswing French Door (O)	1.57	4.50	30	LC-PG30-SHD	36.319	(923)	95.5	(2426)
Vivid Inswing French Door (OOX/XOO)	1.57	4.50	30	LC-PG30-SHD	105.750	(2686)	95.5	(2426)
Vivid Inswing French Door (OXO)	1.57	4.50	30	LC-PG30-SHD	105.750	(2686)	95.5	(2426)
Vivid Inswing French Door (OXX/XXO)	1.57	4.50	30	LC-PG30-SHD	105.750	(2686)	95.5	(2426)
Vivid Inswing French Door (OOO)	1.57	4.50	30	LC-PG30-SHD	105.750	(2686)	95.5	(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..

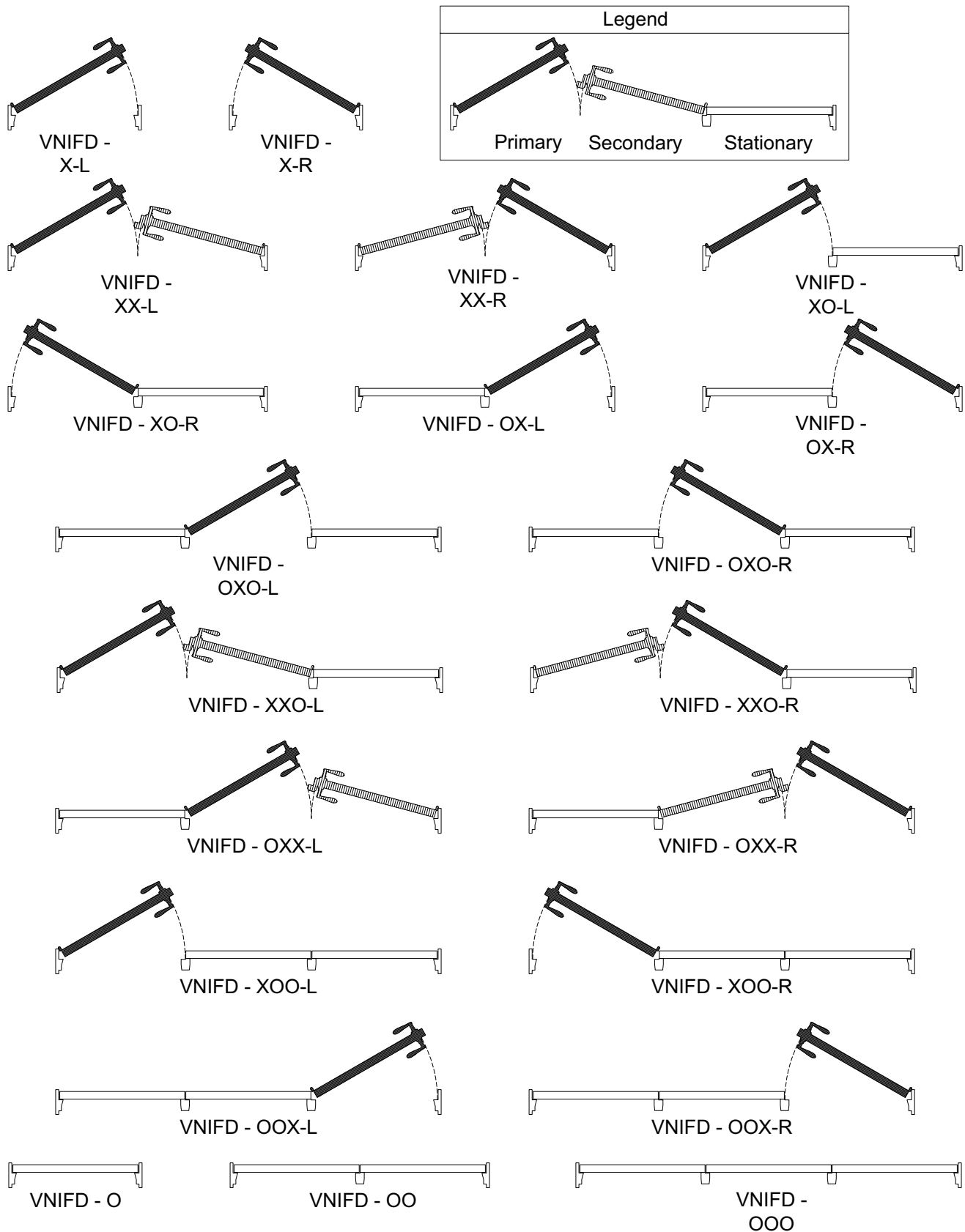


Product Type	Exterior Glazing	Airspace	Interior Glazing	STC	OITC
Vivid Inswing French Door	1/8" (3.1)	15/32" (11.5)	1/8" (3.1)	30	24
	1/8" (3.1)	15/32" (11.5)	3/16" (4.7)	32	27
	1/8" (3.1)	5/16" (8.0)	5/16" (7.8L)	33	29

Standard Unit Measurements

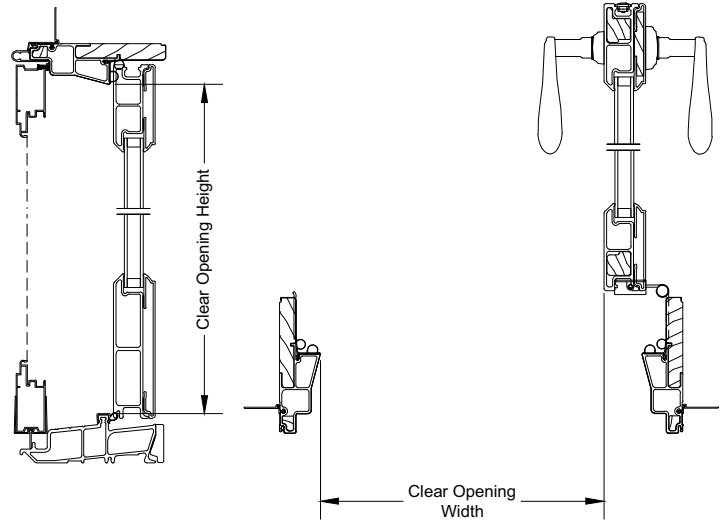
Vivid Inswing Unit Measurements													
Width													
Unit Type	CN	Masonry Opening		Rough Opening		Frame Size		Panel OM		Daylight Opening		Glass Size	
		ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm	ft - in	mm	in	mm
1 Panel	2-0	2-0 13/16	(630)	2-1 5/16	(643)	2-0 5/16	(618)	1-10 19/32	(574)	1-3 11/32	(390)	16 19/32	(421)
	2-6	2-6 13/16	(783)	2-7 5/16	(796)	2-6 5/16	(770)	2-4 19/32	(726)	1-9 11/32	(542)	22 19/32	(574)
	2-8	2-8 13/16	(834)	2-9 5/16	(846)	2-8 5/16	(821)	2-6 19/32	(777)	1-11 11/32	(593)	24 19/32	(625)
	3-0	3-0 13/16	(935)	3-1 5/16	(948)	3-0 5/16	(923)	2-10 19/32	(879)	2-3 11/32	(695)	28 19/32	(726)
2 Panel	4-0	3-11 1/2	(1207)	4-0	(1219)	3-11	(1194)	1-10 19/32	(574)	1-3 11/32	(390)	16 19/32	(421)
	5-0	4-11 1/2	(1511)	5-0	(1524)	4-11	(1499)	2-4 19/32	(726)	1-9 11/32	(542)	22 19/32	(574)
	5-4	5-3 1/2	(1613)	5-4	(1626)	5-3	(1600)	2-6 19/32	(777)	1-11 11/32	(593)	24 19/32	(625)
	6-0	5-11 1/2	(1816)	6-0	(1829)	5-11	(1803)	2-10 19/32	(879)	2-3 11/32	(695)	28 19/32	(726)
3 Panel	6-0	5-10 1/4	(1784)	5-10 3/4	(1797)	5-9 3/4	(1772)	1-10 19/32	(574)	1-3 11/32	(390)	16 19/32	(421)
	7-6	7-4 1/4	(2242)	7-4 3/4	(2254)	7-3 3/4	(2229)	2-4 19/32	(726)	1-9 11/32	(542)	22 19/32	(574)
	8-0	7-10 1/4	(2394)	7-10 3/4	(2407)	7-9 3/4	(2381)	2-6 19/32	(777)	1-11 11/32	(593)	24 19/32	(625)
	9-0	8-10 1/4	(2699)	8-10 3/4	(2711)	8-9 3/4	(2686)	2-10 19/32	(879)	2-3 11/32	(695)	28 19/32	(726)
Height													
Unit Type	CN	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)
	7-0	7-2 1/4	(2191)	7-2 1/2	(2197)	7-2	(2184)	6-11 7/32	(2114)	6-1 19/32	(1869)	74 25/32	(1900)
	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)

Hinging Configurations



Net Clear Opening

Net Clear Opening Vivid Inswing French Door			
Width			
Unit Type	Call Number	Net Clear Openings	
		ft-in	mm
1 Panel Operator (X)	2-6	2-1 19/64	(643)
	2-8	2-3 19/64	(694)
	3-0	2-7 19/64	(795)
2 Panel Operator (XOR/OXL)	5-0	2-1 15/64	(641)
	5-4	2-3 15/64	(692)
	6-0	2-7 15/64	(793)
2 Panel Operator (XOL/OXR)	5-0	2-1 13/64	(640)
	5-4	2-3 13/64	(691)
	6-0	2-7 13/64	(792)
2 Panel Operator (XX)	4-0	3-4 3/8	(1025)
	5-0	4-4 3/8	(1330)
	5-4	4-8 3/8	(1432)
	6-0	5-4 3/8	(1635)
3 Panel Operator (XOOR/OOXL)	7-6	2-1 23/64	(644)
	8-0	2-3 23/64	(695)
	9-0	2-7 23/64	(796)
3 Panel Operator (XOOL/OOXR)	7-6	2-1 17/64	(642)
	8-0	2-3 17/64	(693)
	9-0	2-7 17/64	(794)
3 Panel Operator (OXO)	7-6	2-1 19/64	(642)
	8-0	2-3 19/64	(693)
	9-0	2-7 19/64	(795)
3 Panel Operator (XXO/OXX)	7-6	4-4 7/16	(1332)
	8-0	4-8 7/16	(1434)
	9-0	5-4 7/16	(1637)
Height			
Unit Type	Call Number	Net Clear Openings	
		ft - in	mm
1 Panel (X) 2 Panel (XX) 3 Panel (XXO/OXX) Configurations	6-5	6-3 3/4	(1924)
	6-8	6-6 1/4	(1987)
	7-0	6-10 1/4	(2089)
	8-0	7-7 3/4	(2330)
2 Panel (XO/OX) 3 Panel (XOO/OOX) 3 Panel (OXO) Configurations	6-5	6-2 15/16	(1903)
	6-8	6-5 7/16	(1967)
	7-0	6-9 7/16	(2068)
	8-0	7-6 15/16	(2310)

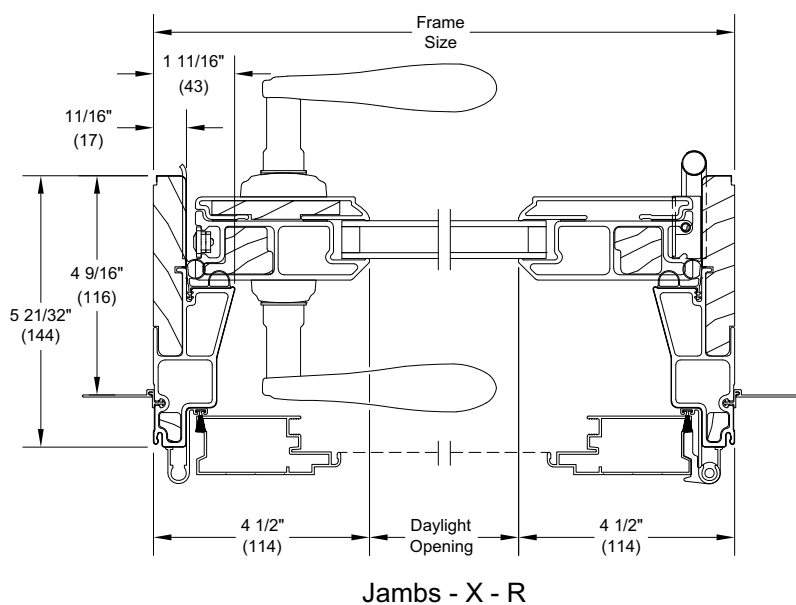
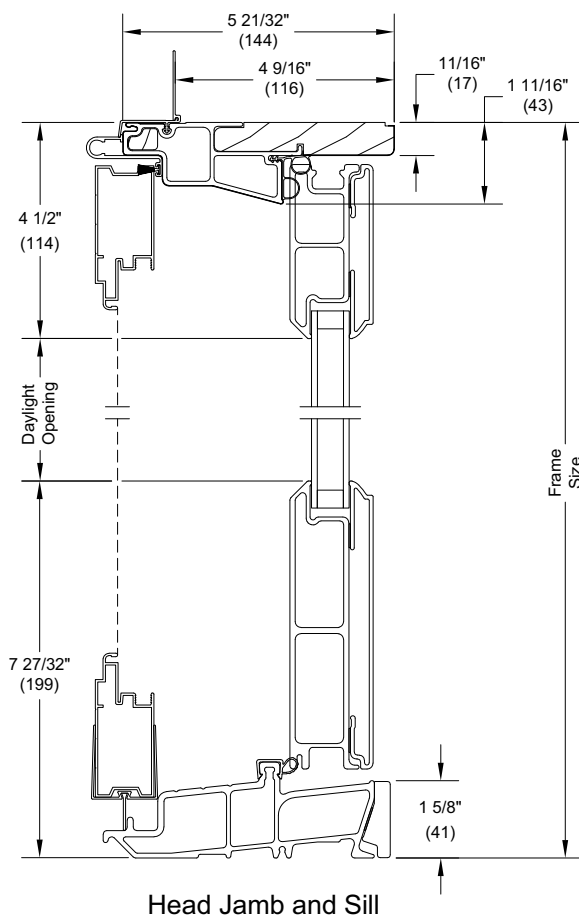


Measurement Conversions: All Configurations

Unit Measurements		Width 1 - Panel			Width 2 - Panel			Width 3 - Panel		Height	
From	To										
Frame		in	mm		in	mm		in	mm	in	mm
Masonry Opening	Rough Opening	+ 1/2	(13)		+ 1/2	(13)		+ 1/2	(13)	+ 1/4	(6)
OM of Frame	Rough Opening	+ 1	(25)		+ 1	(25)		+ 1	(25)	+ 1/2	(13)
Daylight Opening	Rough Opening	+ 9 31/32	(253)	× 2	+ 17 5/16	(440)	× 3	+ 23 23/32	(602)	+ 12 29/32	(328)
Panel		in	mm		in	mm		in	mm	in	mm
OM of Frame	OM of Panel	-1 23/32	(44)	÷ 2	-29/32	(23)	÷ 3	-21/32	-(17)	-2 25/32	(71)
Daylight Opening	OM of Panel	+ 7 1/4	(184)		+ 7 1/4	(184)		+ 7 1/4	(184)	+ 9 5/8	(244)
Glass		in	mm		in	mm		in	mm	in	mm
OM of Frame	Glass	-7 23/32	-(196)	÷ 2	-6 29/32	-(175)	÷ 3	-6 21/32	-(169)	-11 7/32	(30)
Daylight Opening	Glass	+ 1 1/4	(32)		+ 1 1/4	(32)		+ 1 1/4	(32)	+ 1 3/16	(30)
Sliding Screen		in	mm		in	mm		in	mm	in	mm
OM of Frame	OM of Screen			÷ 2	-5/16	(8)	÷ 3	-1/16	-(2)	-2 29/64	(62)
Daylight Opening	OM of Screen				+ 7 27/32	(199)		+ 7 27/32	(199)	+ 9 61/64	(253)
Swinging Screen		in	mm		in	mm		in	mm	in	mm
OM of Frame	OM of Screen	-1 55/64	(47)	÷ 2	-1 3/8	(35)				-2 9/32	(58)
Daylight Opening	OM of Screen	+ 7 7/64	(181)		+ 6 25/32	(172)				+ 10 1/8	(257)

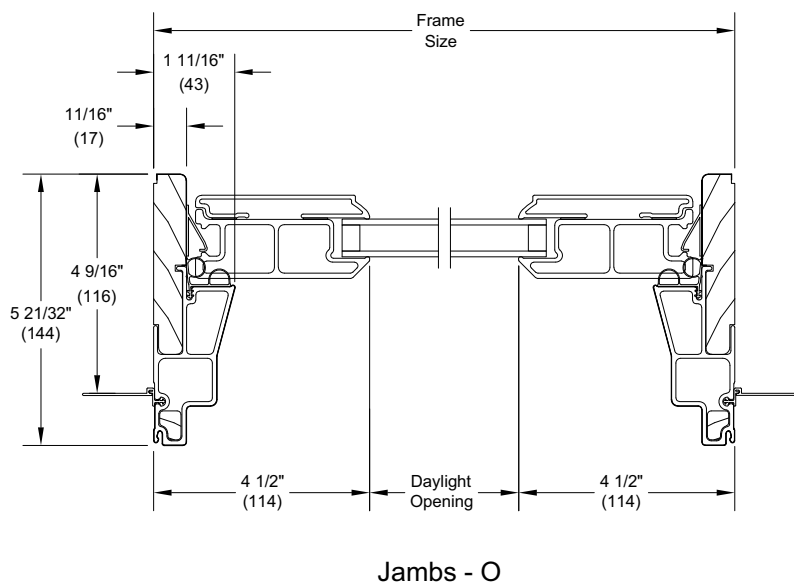
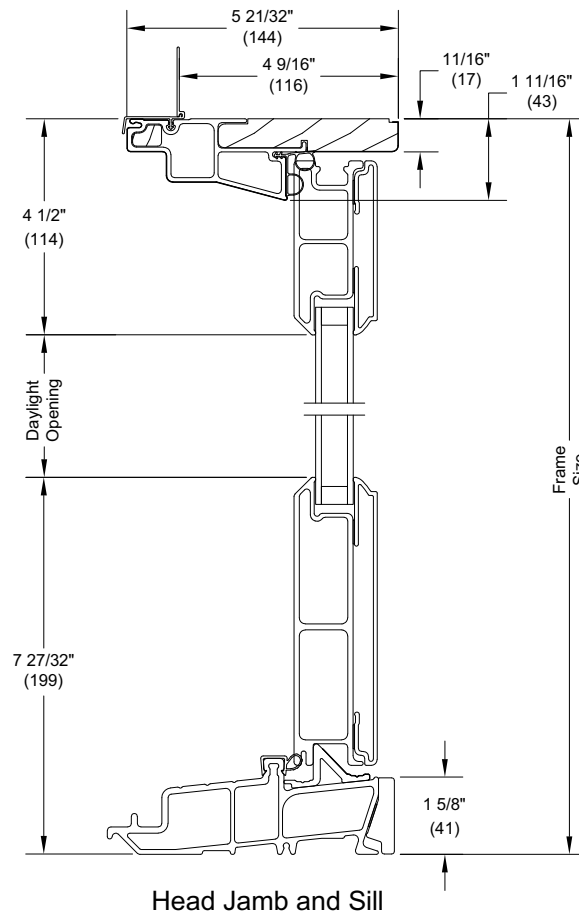
Section Details: 1 Panel, 4 9/16" Jamb - X Operating (with Swinging Screen)

Scale: 3" = 1' 0"



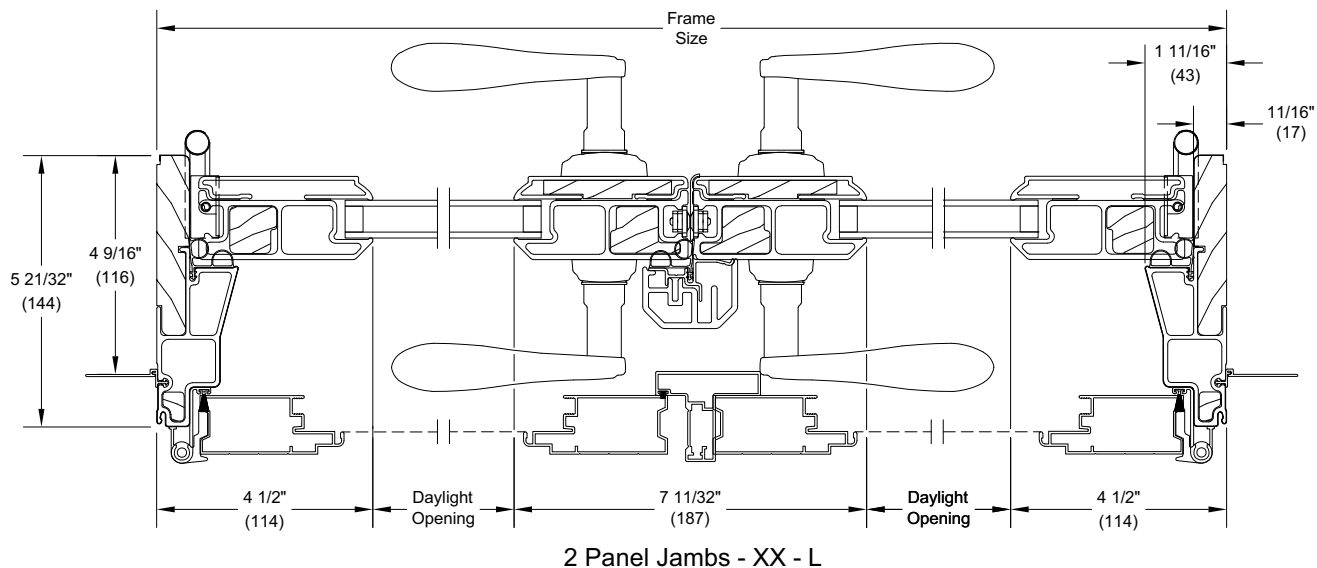
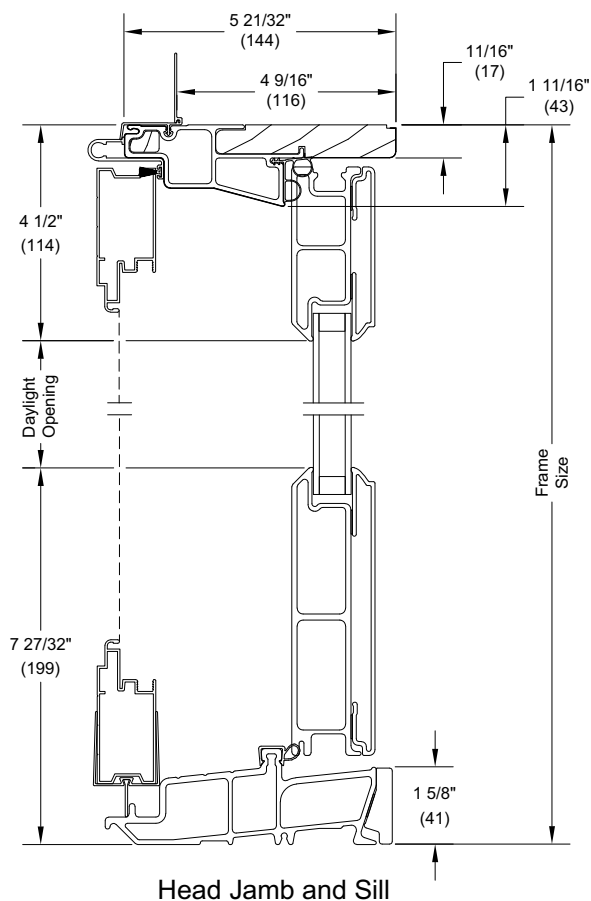
Section Details: 1 Panel, 4 9/16" Jamb - O Stationary

Scale: 3" = 1' 0"



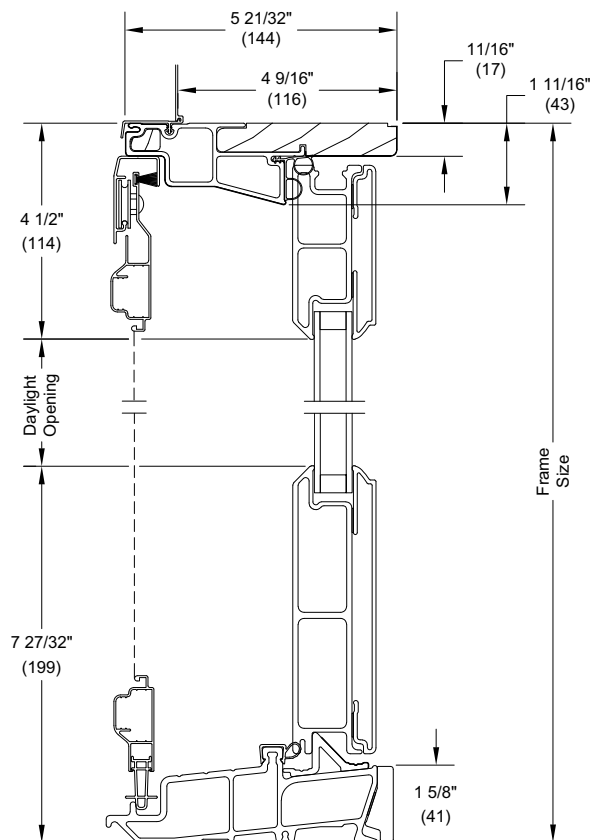
Section Details: 2 Panels, 4 9/16" Jamb - XX Operator (with Swinging Screen)

Scale: 3" = 1' 0"

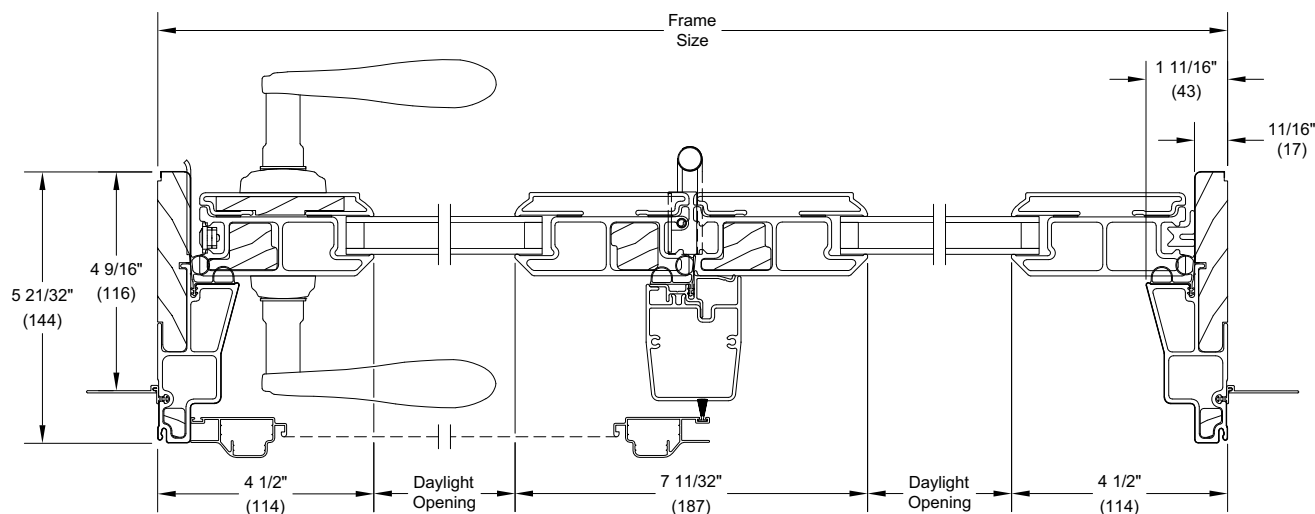


Section Details: 2 Panels, 4 9/16" Jamb - XO Operator (with Sliding Screen)

Scale: 3" = 1' 0"



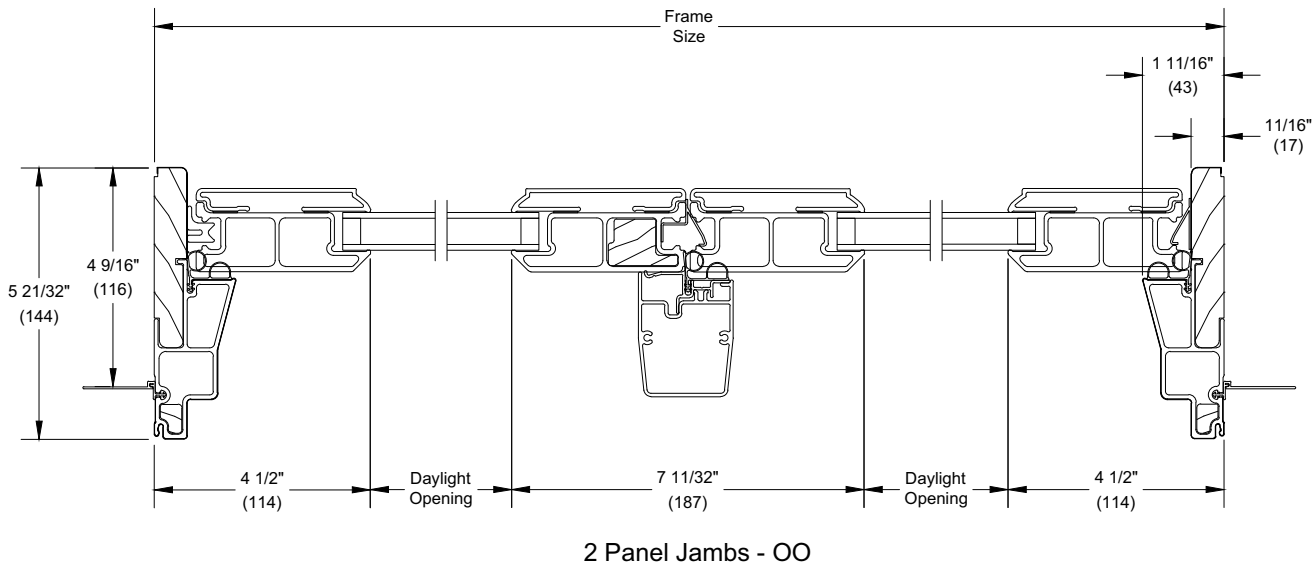
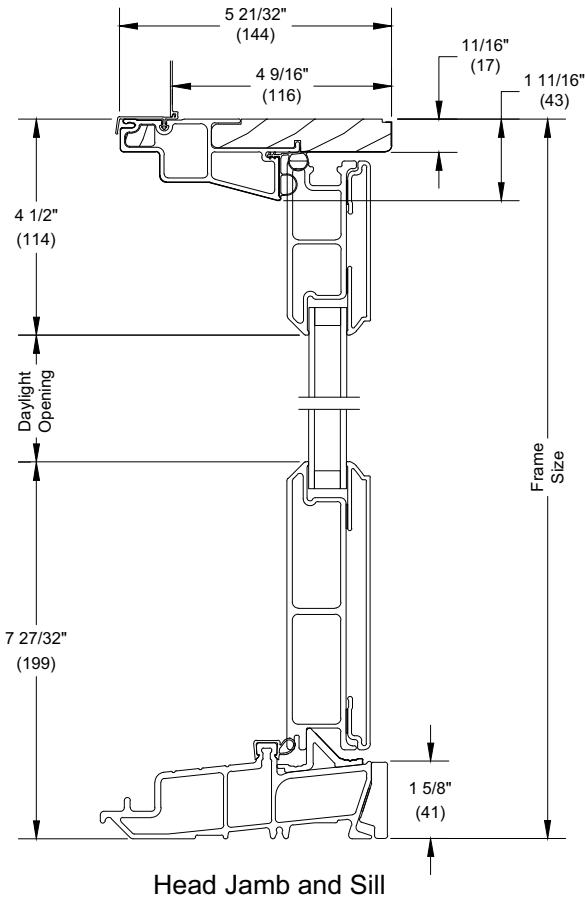
Head Jamb and Sill



2 Panel Jamb - XO - R

Section Details: 2 Panels, 4 9/16" Jamb - OO Stationary

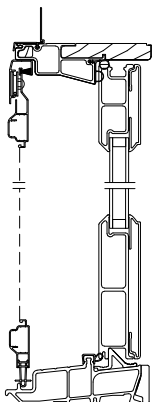
Scale: 3" = 1' 0"



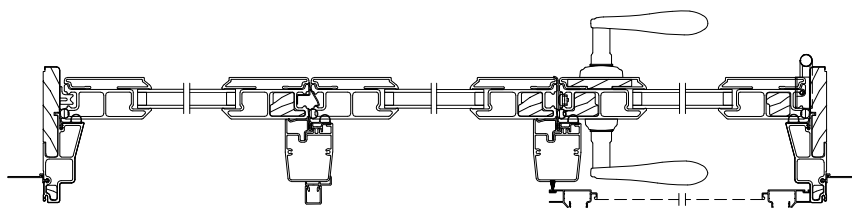
Section Details: 3 Panel, 4 9/16" Jambs - Operating (OOX/XOO, OXO, OXX/XXO, OOO)

Scale: Not to Scale

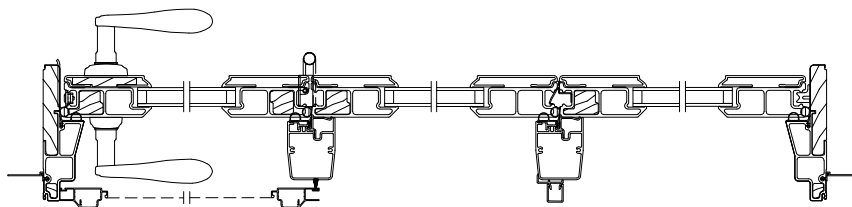
Sliding Screens
available for XOO,
OOX and OXO
configurations.



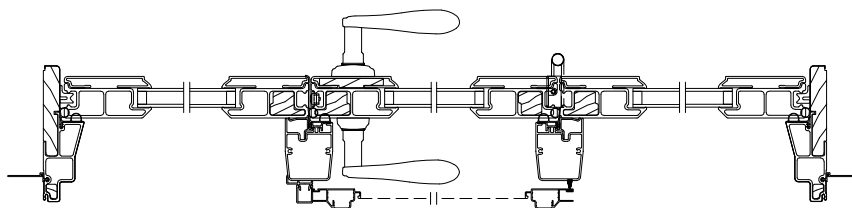
Head Jamb and Sill



3 Panel Jambs - OOX - R

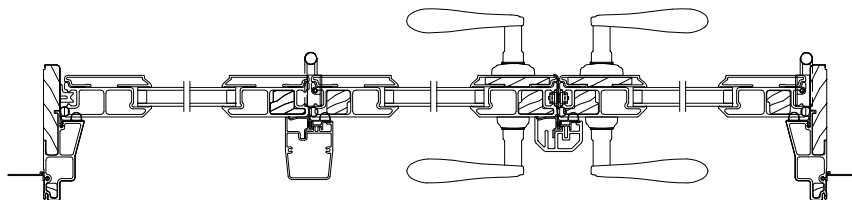


3 Panel Jambs - XOO - R

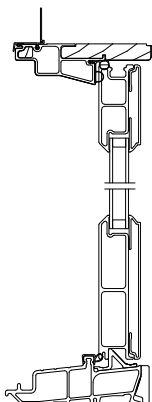


3 Panel Jambs - OXO - R

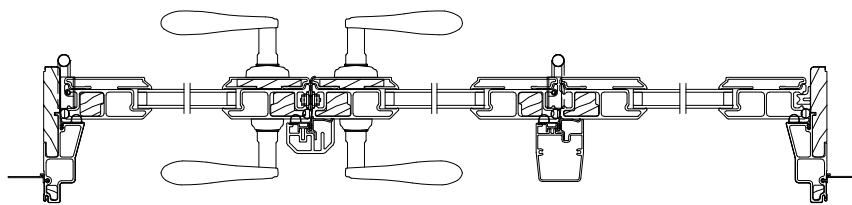
Screens unavailable
on the OXX and XXO
configurations.



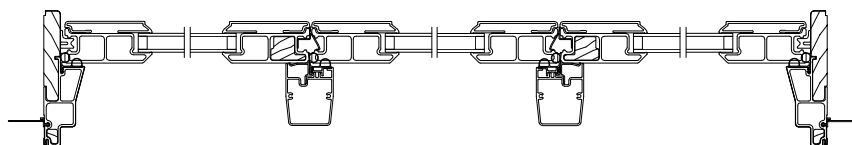
3 Panel Jambs - OXX - R



Head Jamb and Sill



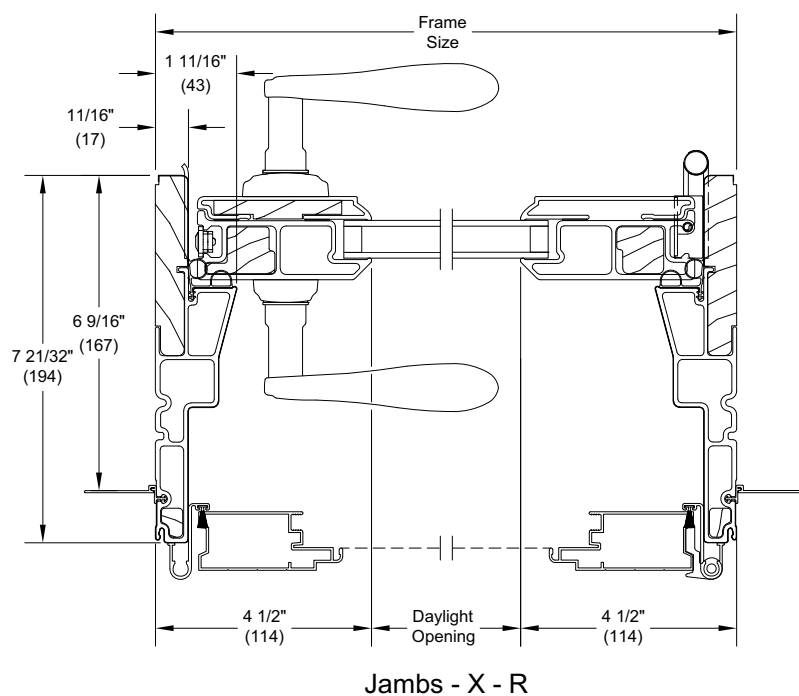
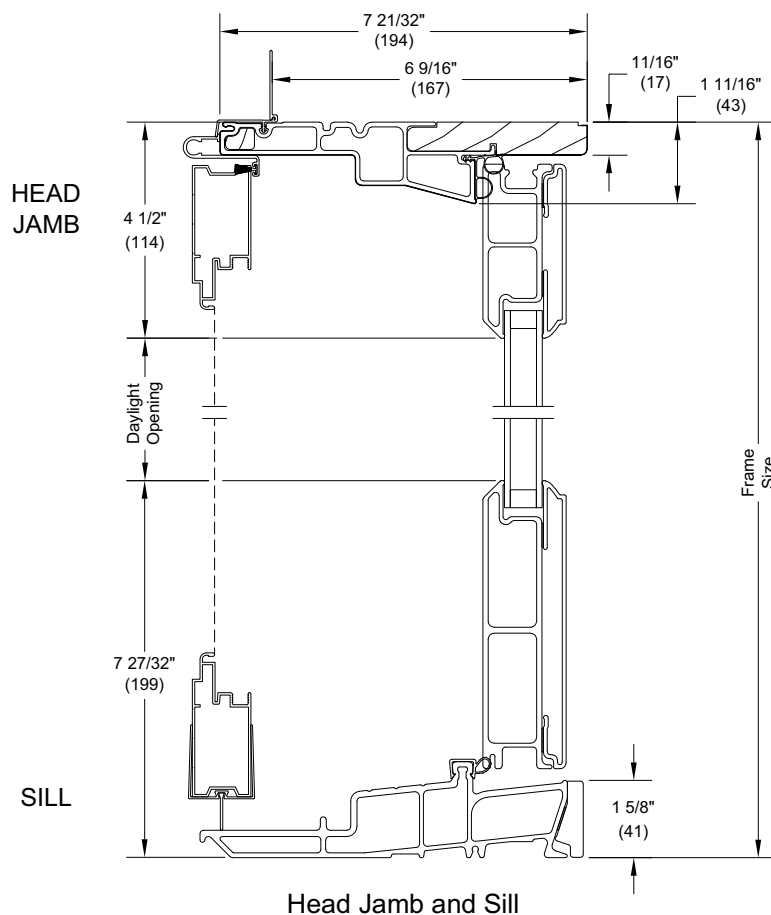
3 Panel Jambs - XXO - L



3 Panel Jambs - OOO

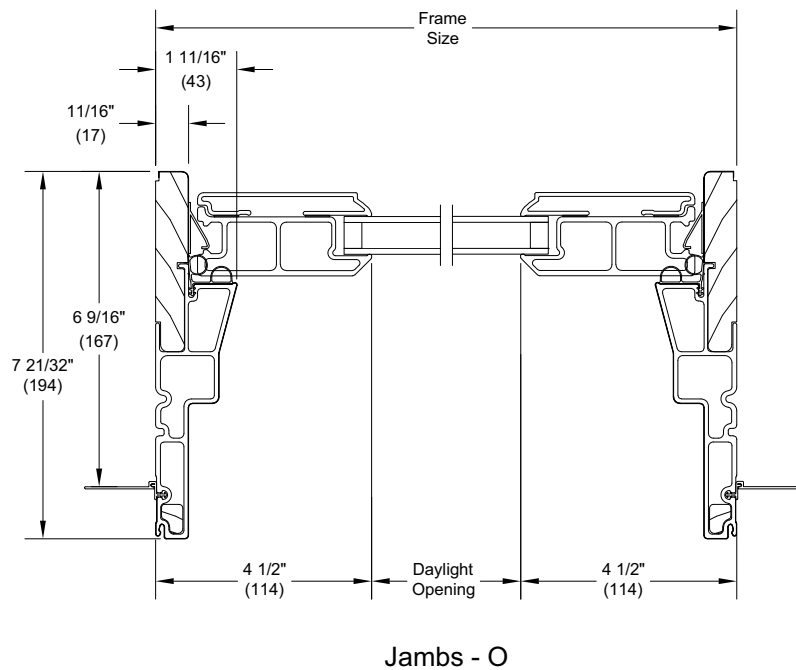
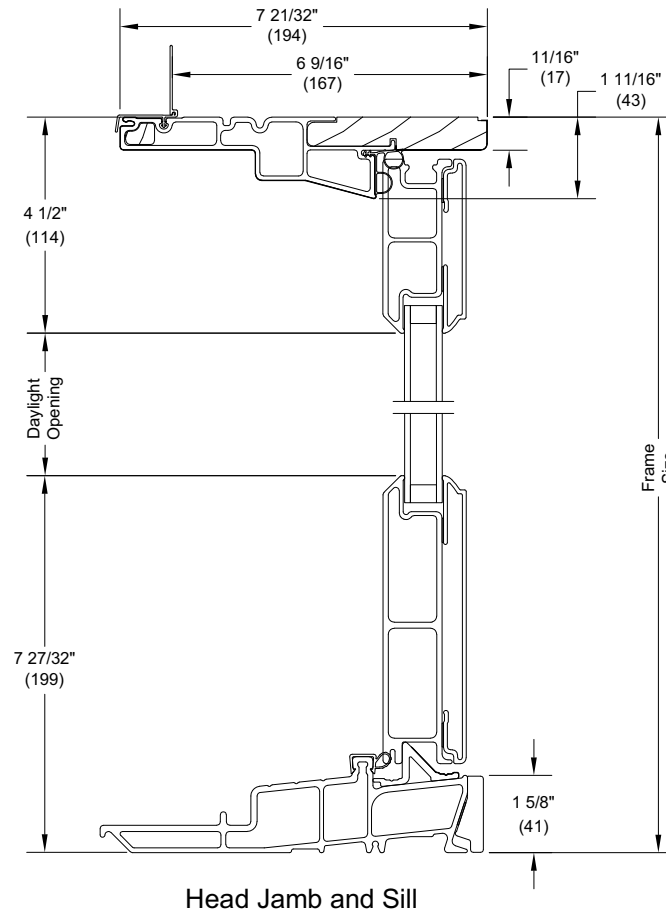
Section Details: 1 Panel, 6 9/16" Jamb - X Operating (with Swinging Screen)

Scale: 3" = 1' 0"



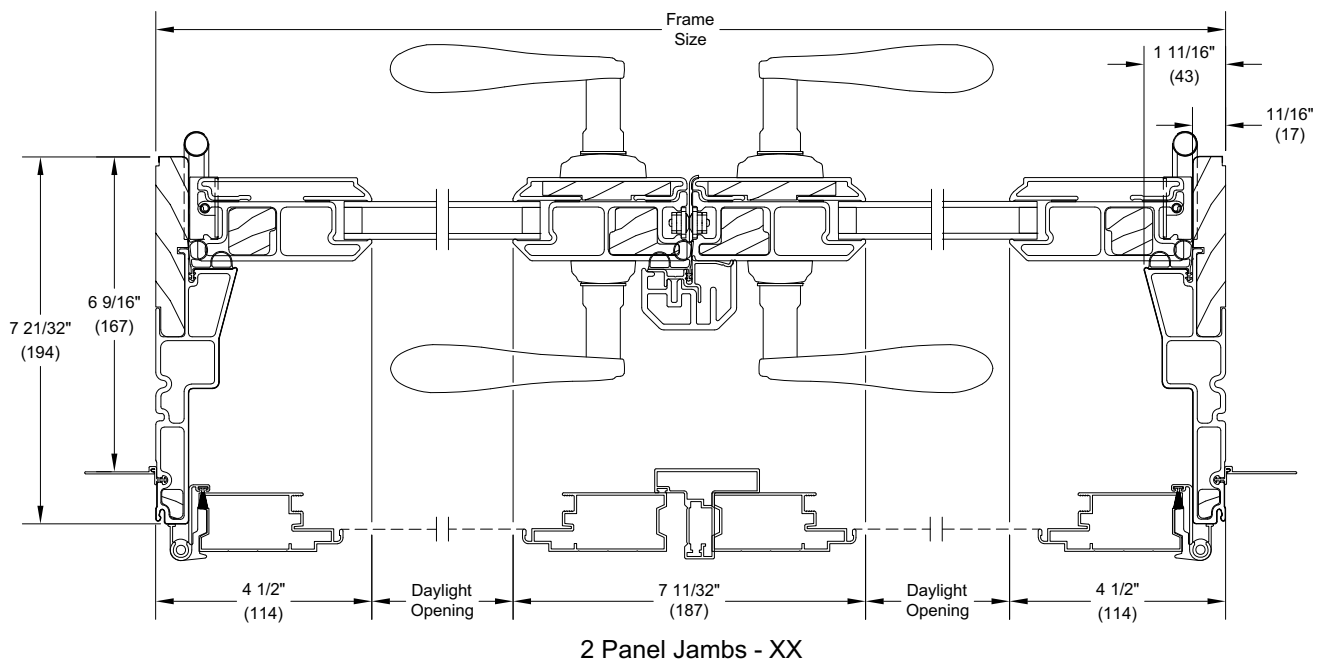
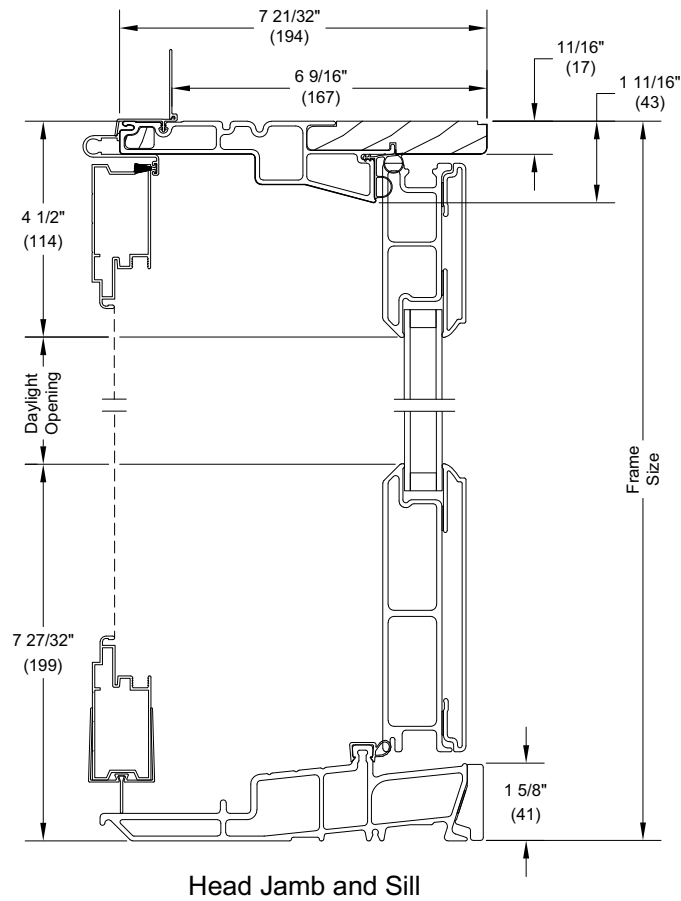
Section Details: 1 Panel, 6 9/16" Jamb - O Stationary

Scale: 3" = 1' 0"



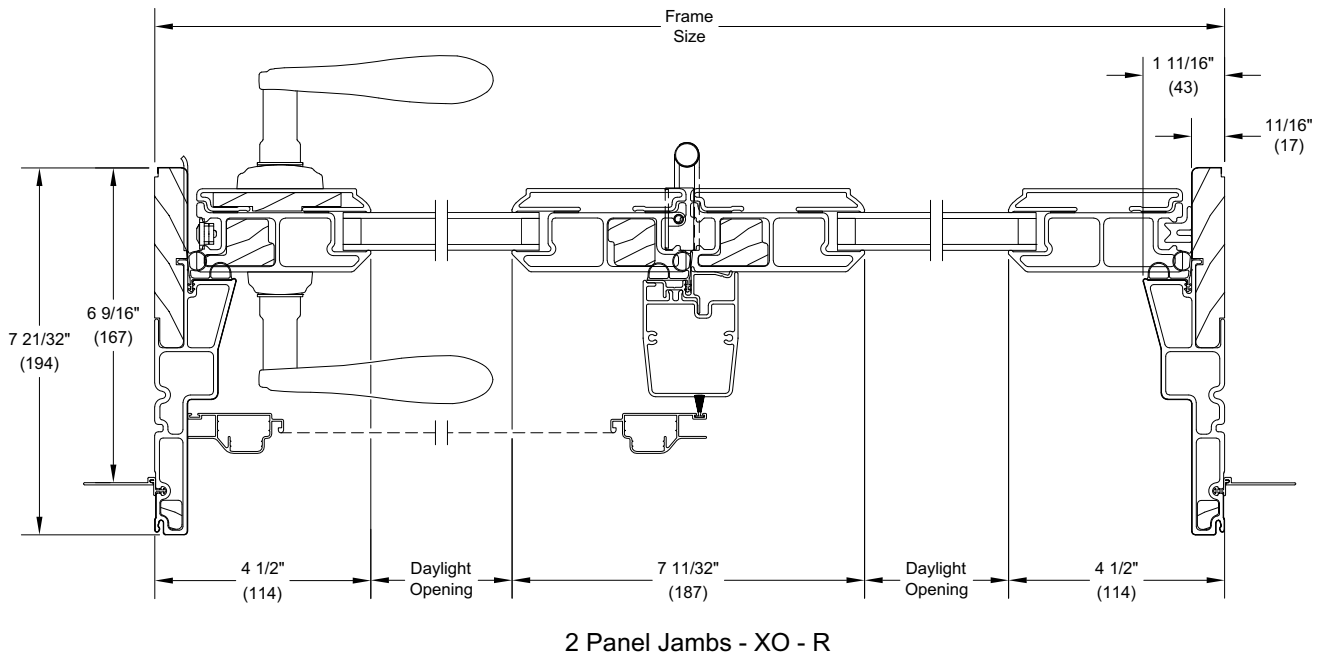
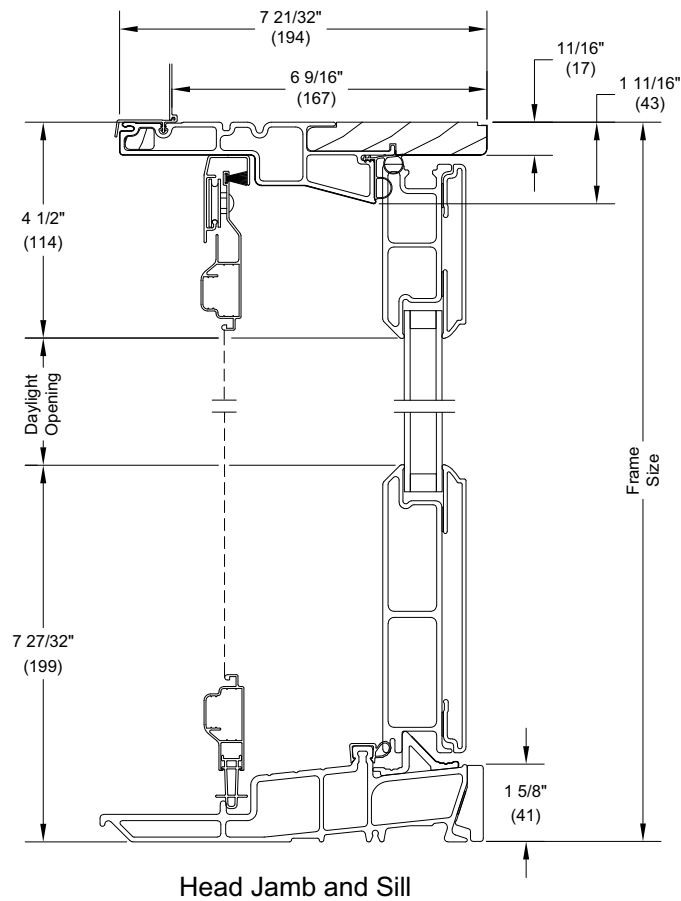
Section Details: 2 Panels, 6 9/16" Jamb - XX Operator (with Swinging Screen)

Scale: 3" = 1' 0"



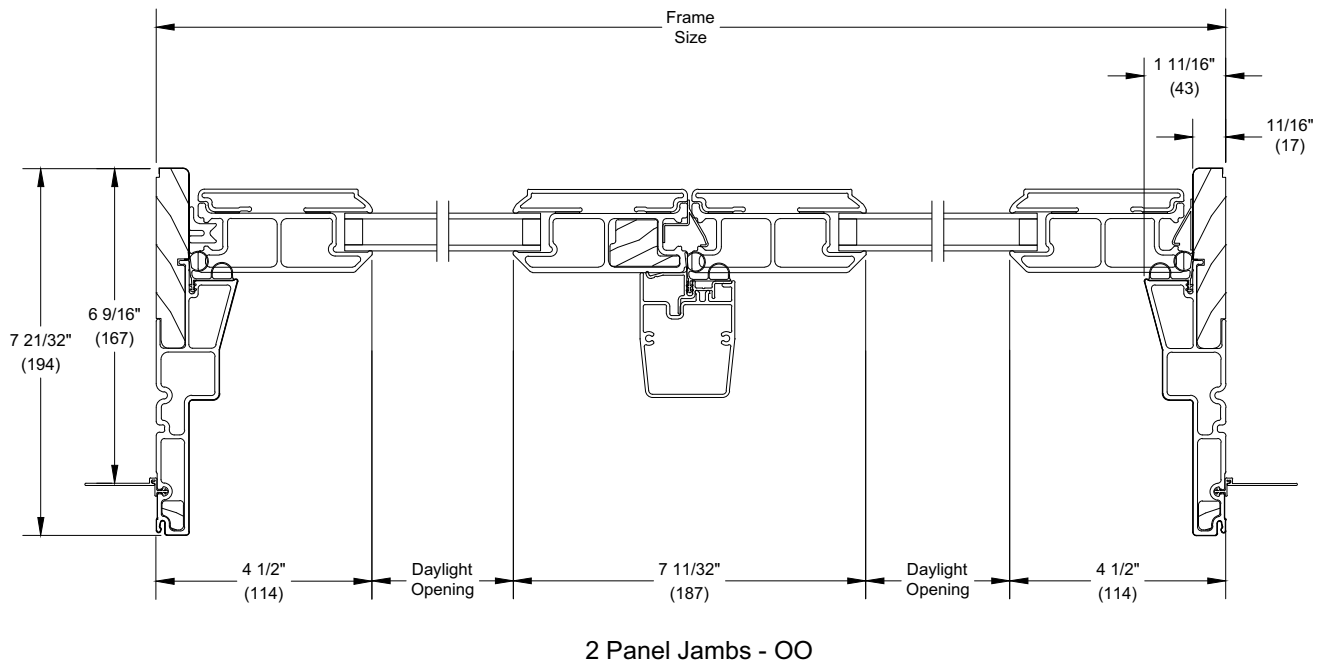
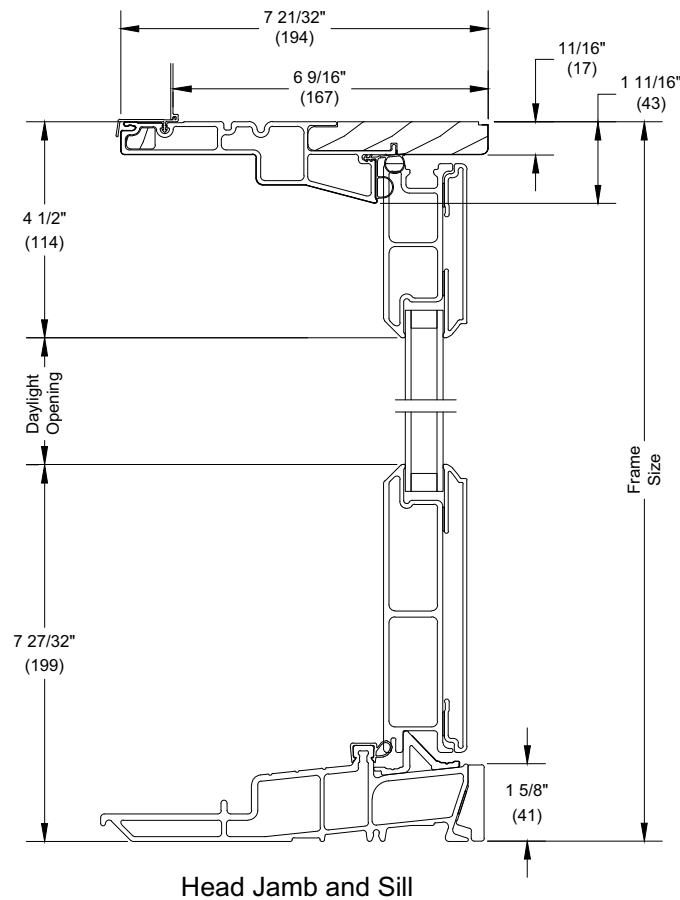
Section Details: 2 Panels, 6 9/16" Jamb - XO Operator (with Sliding Screen)

Scale: 3" = 1' 0"



Section Details: 2 Panels, 6 9/16" Jamb - OO Stationary

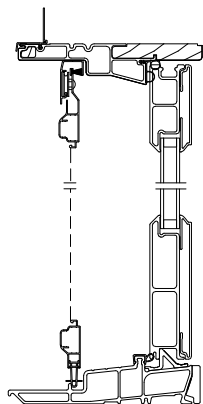
Scale: 3" = 1' 0"



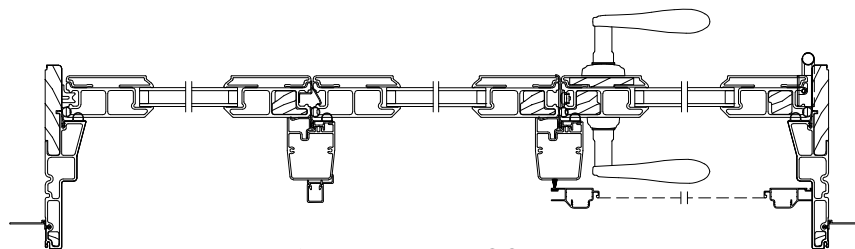
Section Details: 3 Panel, 6 9/16" Jambs - Operating (OOX/XOO, OXO, OXX/XXO, OOO)

Scale: Not to Scale

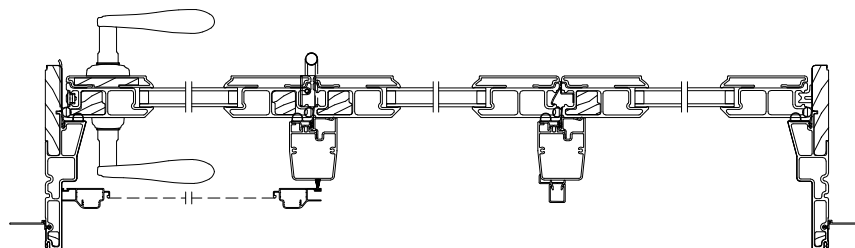
Sliding Screens
available for XOO,
OOX and OXO
configurations.



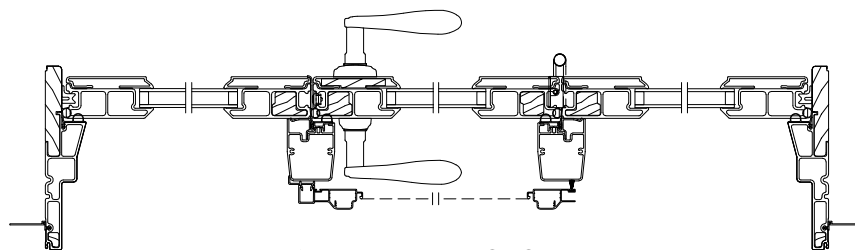
Head Jamb and Sill



3 Panel Jambs - OOX - R

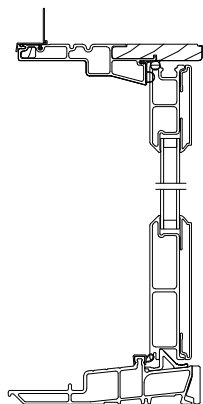


3 Panel Jambs - XOO - R

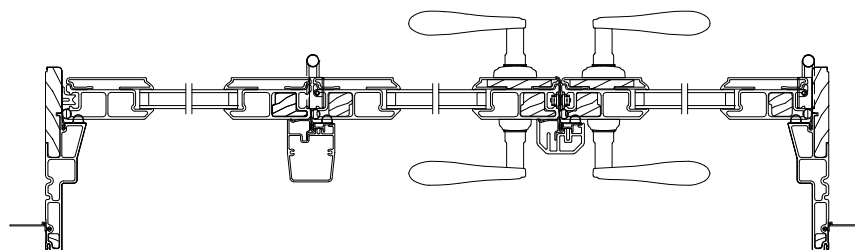


3 Panel Jambs - OXO - R

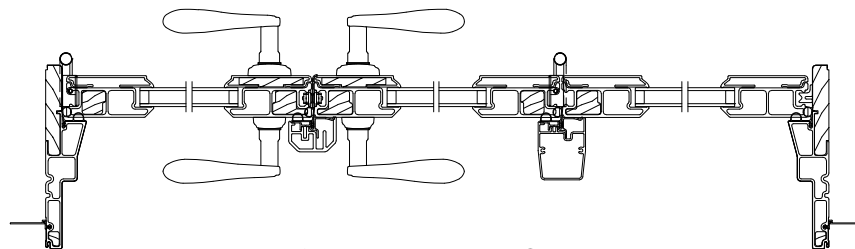
Screens unavailable
on the OXX and XXO
configurations.



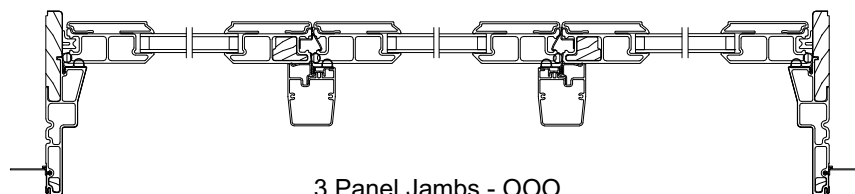
Head Jamb and Sill



3 Panel Jambs - OXX - R



3 Panel Jambs - XXO - L



3 Panel Jambs - OOO