

Elevate Inswing French Door

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Unit Features

Elevate Inswing French Door: ELIFD

Elevate Inswing French Door IZ3: ELIFD IZ3

For applicable certification and code information, refer to the Introduction and Product Performance chapter.

Frame and Sash:

- The frame and sash exteriors are made of Ultrex®, an advanced fiberglass reinforced pultrusion material that is resistant to thermal conductance.
- Exterior colors: Stone White, Pebble Gray, Bronze, Cashmere, Gunmetal, or Ebony. Frame and sash color may be selected independently.
- The interior is non finger-jointed pine, kiln-dried to a moisture content 6-12% at time of fabrication. Water repellent, preservative treated. Interior wood is available as Pine bare wood or factory-applied white, clear, and designer black interior finishes. Frame and sash color may be selected independently.

Frame:

- Frame thickness is 1 5/16" (33). Frame width of 4 9/16" (116). The sill is Ultrex with a cellular PVC interior sill liner. 4/4 non finger-jointed pine interior stop is applied to all units. Ultrex is .080" (2) thick.
- 6 9/16" (167) jamb depth available

Panel:

- Composite sash thickness is 1 3/4" (44), stiles and top rails 3 5/8" (92), bottom rail width 6" (152) Ultrex is .110" (3) thick.

Jamb Extension:

- Extension Thickness: 9/16" (14)
- Multiple depths available from 1/8" (3), 1/4"(6), and depths varying between 1/2"(13) and 4"(102) at 1/16" (2) increments
- Maximum jamb depth is 8 9/16" (217).
- 6 13/16" (173) jamb extension - factory-applied
- All other jamb depth options are available shipped loose.
- Material: Bare Pine
- Option: factory applied white, designer black and clear lacquer interior finish

Hardware:

- Multi-point lock, latch, and deadbolt assembly included with each door.
- Handle has a standard deadbolt and a top and bottom shoot bolts operated by handle set.
- Handle Sets
 - Handle Set: Interior and exterior selected separately.
 - Standard finish is Almond Frost. Optional White, Bright Brass PVD, Oil Rubbed Bronze PVD, Satin Nickel PVD, and Matte Black finishes.
- Standard locking system strike plate will be stainless steel, with an optional brass strike on "X" doors.
- Hinges contain both a horizontal, vertical adjustment feature, and non-removable pin.
 - Three hinges are used on all units.
 - Hinges will be White, Dark Brown, Pebble Gray, Ebony, Gunmetal, or Cashmere to match the exterior of the frame.
 - Coastal brass, Oil Rubbed Bronze, or coastal satin nickel hinges with brass substrates.
 - Hinge kits are available in Gold, Grey, White, Dark Brown, and Ebony finishes.
- Keyed alike option is available.

Installation:

- Factory applied folding nailing fin and drip cap system.
- Optional installation brackets for masonry available.
- Factory-supplied field mulling kits are available for standard assemblies.
- IZ3 glazed units require installation clips.

Unit Features Continued

Glazing

- Standard Glass Makeups:
 - 3/4" and 1 3/16" nominal thickness insulating glass with Low E2, and Argon gas.
- Glazing Seal: Silicone bedding on interior and exterior
- Gas Fill Options: Argon or Air
- Glass Coating Options:
 - Low E1,
 - Low E2,
 - Low E3,
 - Low ERS,
 - Clear (no coating)
- Available Glass Types:
 - Triple Pane, Laminate, Safety Laminated, 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

IZ3 Glazing:

- Optional IZ3 available on selected sizes. IZ3 for winds up to 140 miles per hour.
- Glass is laminated, insulated Low E2 or E3 Argon, consisting of annealed or tempered glass exterior and laminated glass interior.
- The laminated glass is comprised of two pieces of glass with either an SGP laminate layer between.
- Interior and exterior glazing compound is silicone, in a sandwich style glazing system.

Weather Strip:

- All weather strip is black in color (not including the sill).
- All units are constructed with two weather strip at all jamb/panel perimeter joints.
- Jambs, head jamb, astragal, and mull post utilize a dual bulb type weather strip
- Sill weather strip to seal against the bottom rail, and will be black or beige depending on sill color.

Interior/Exterior Simulated Divided Lites (SDL):

- Interior bar: 7/8" (22) wide bars. Pine bare wood with optional white, clear, or designer black interior finishes.
- Exterior bar: Ultrex, 7/8" (22) wide bars, finish to match exterior.
 - Pattern: Standard rectangular pattern, 6 or 9 lite Prairie cut, 6-lite Prairie cut on rectangle or Cottage style cut.
- Simulated check rail option: 2 11/32" (60).
 - Patterns available: simulated rail in standard center or customer specified location with 7/8" pattern above, below, or both in pattern of rectangular equal lite or Prairie lite cut.
- IZ3 glazing and tinted glass available without spacer bar only.

Grilles-Between-The-Glass (GBG):

- 23/32" (18) contoured aluminum bar placed between two panes of glass.
- Pattern: Standard rectangular pattern, 6 or 9 lite Prairie cut, or Cottage style cut, or 6-lite Prairie cut on rectangle.
- Exterior color options: Stone White, Pebble Gray, Bronze, Cashmere, Gunmetal, or Ebony.
- Interior Colors: White, Bronze, or Black.
- GBGs are not available on IZ3 glazing or tinted glass.

Exterior Casing:

- Non-integral to the unit.
- Fastened to the exterior wall with barb and kerf 2" (51) brick mould available as a head and jamb surround.
- 3 1/2" (89) flat casing available as a head and jamb surround.
- Also available with 1" (25) ranch style header overhang.

Minimum/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	30 5/16	(770)	79 1/2	(2019)	36 5/16	(922)	95 1/2	(2426)
2 - Panel	59	(1499)	79 1/2	(2019)	71	(1803)	95 1/2	(2426)
ELDG Rectangle	36 5/16	(922)	15 3/4	(400)	71	(1803)	15 3/4	(400)

NOTE: Special sizes are available in 1/64" increments, not to exceed the minimum or maximum listed above.

Product	Air Tested to psf	Water Tested to psf	Design Pressure (DP)	Certification Rating	Max Overall Width		Max Overall Height	
					in	mm	in	mm
Elevate Inswing French Door (OX / XO)	1.57	4.50	30	LC-PG30-SHD	71	(1803)	95.5	(2426)
Elevate Inswing French Door (XX)	1.57	4.50	30	LC-PG30-SHD	71	(1803)	95.5	(2426)
Elevate Inswing French Door (X)	1.57	4.50	30	LC-PG30-SHD	36.319	(923)	95.5	(2426)
Elevate Inswing French Door (O)	1.57	4.50	30	LC-PG30-SHD	36.319	(923)	95.5	(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
Elevate Inswing French Door (OX / XO) HP	1.57	7.50	50	LC-PG50-SHD	71	(1803)	95.5	(2426)
Elevate Inswing French Door (XX) HP	1.57	7.50	50	LC-PG50-SHD	71	(1803)	95.5	(2426)
Elevate Inswing French Door (X) HP	1.57	7.50	50	LC-PG50-SHD	36.319	(923)	95.5	(2426)
Elevate Inswing French Door (O) HP	1.57	7.50	50	LC-PG50-SHD	36.319	(923)	95.5	(2426)

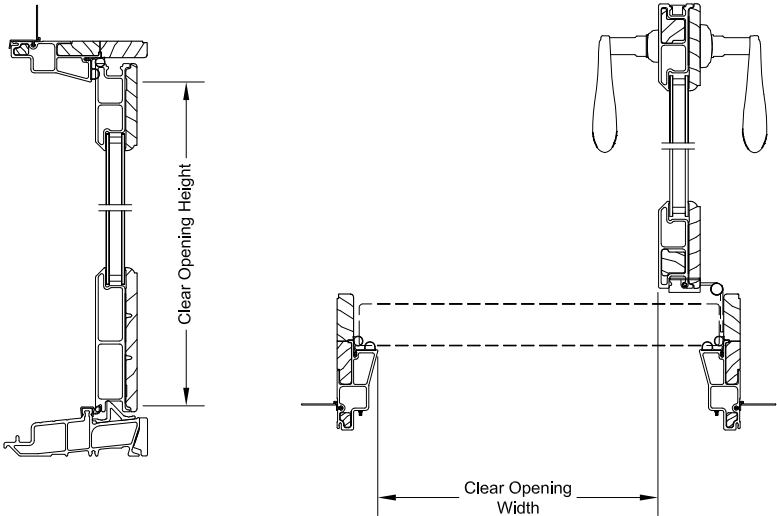
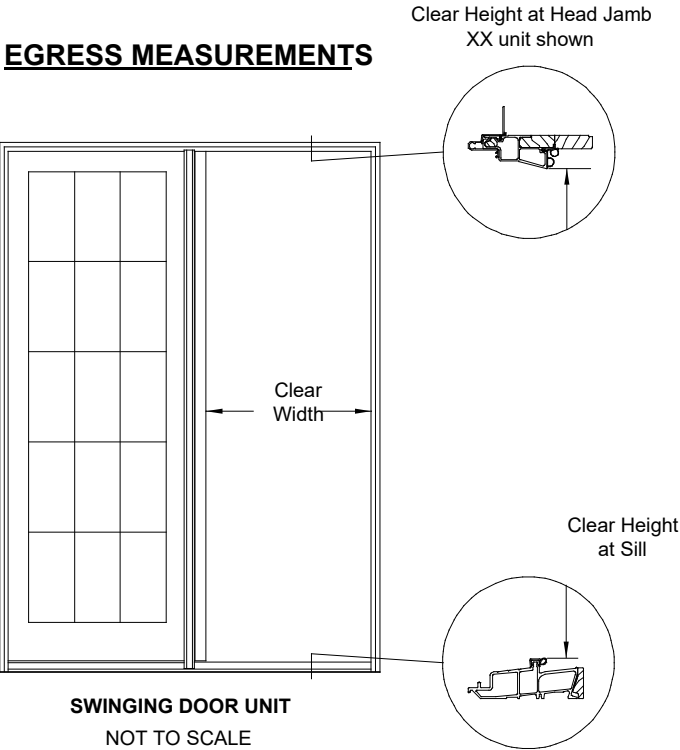
Product	Air Tested to psf	Water Tested to psf	Design Pressure (DP)	Certification Rating	Max Overall Width		Max Overall Height	
					in	mm	in	mm
Elevate Inswing French Door (OX / XO) IZ3	1.57	8.35	+55/-55	LC-PG55-SHD	71	(1803)	95.5	(2426)
Elevate Inswing French Door (XX) IZ3	1.57	8.35	+55/-55	LC-PG55-SHD	71	(1803)	95.5	(2426)
Elevate Inswing French Door (X) IZ3	1.57	8.35	+55/-65	LC-PG55-SHD	36.319	(923)	95.5	(2426)
Elevate Inswing French Door (O) IZ3	1.57	8.35	+55/-65	LC-PG55-SHD	36.319	(923)	95.5	(2426)

Egress Formula

Egress Conversion		
Standard Inswing French Door		
Minimum Value for Net Clear Opening	Desired Dimension	Formula
32"	Egress opening width, in	1 Panel Door
		= ELIFD Frame OM - 4.994
		2 Panel Door (XO, OX)
		= (ELIFD Frame Width / 2) - 4.254
		2 Panel Door (XX)
		= ELIFD Frame Width - 6.588
78" (IRC 2012) 80" (IBC 2012)	Egress opening height, in	X, XX, XO, OX Height
		= ELIFD Frame Height - 3.755
		X, XX, XO, OX Height (Impact/HP)
		=ELIFD Frame Height - 4.41

Egress Measurements

Net Clear Opening Elevate Inswing French Door			
Width			
Unit Type	Call Number	Net Clear Openings	
		ft-in	mm
1 Panel Operator Standard/HP/IZ3 (X)	2-6	2-1 21/64	(643)
	2-8	2-3 21/64	(694)
	3-0	2-7 21/64	(796)
2 Panel Operator Standard/HP/IZ3 (OX / XO)	5-0	2-1 1/4	(641)
	5-4	2-3 1/4	(692)
	6-0	2-7 1/4	(794)
2 Panel Operator Standard/HP/IZ3 (XX)	5-0	4-4 13/32	(1331)
	5-4	4-8 13/32	(1433)
	6-0	5-4 13/32	(1636)
Height			
Unit Type	Call Number	Net Clear Openings	
		ft - in	mm
1 and 2 Panel Standard X/XX/XO/OX	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)
1 and 2 Panel HP/IZ3 X/XX/XO/OX	6-5	6-3 3/32	(1924)
	6-8	6-5 19/32	(1987)
	7-0	6-9 19/32	(2089)
	8-0	7-7 3/32	(2330)



Code restrictions may vary depending on you local building codes. For additional information contact you local cod department for IBC and IRC requirements.

Conversions

Unit Measurements		Width 1 - Panel		Width 2 - Panel		Height	
From	To						
Frame		in	mm			in	mm
Masonry Opening	Rough Opening	+ 1/2	(13)			+ 1/4	(6)
Masonry Opening w/BMC	Rough Opening	+ 1/2	(13)			+ 1/4	(6)
OM of Frame	Rough Opening	+ 1	(25)			+ 1/2	(13)
Daylight Opening	Rough Opening	+ 9 31/32	(253)	×	2	+ 17 5/16	(440)
Daylight Opening (IZ3/HP)	Rough Opening	+ 9 31/32	(253)	×	2	+ 17 5/16	(440)
Panel		in	mm			in	mm
OM of Frame	OM of Panel	-1 23/32	(44)	÷	2	-29/32	(23)
OM of Frame (IZ3/HP)	OM of Panel	-1 23/32	(44)	÷	2	-29/32	(23)
Daylight Opening	OM of Panel	+ 7 1/4	(184)			+ 7 1/4	(184)
Glass		in	mm			in	mm
OM of Frame	Glass	-7 23/32	-(196)	÷	2	-6 29/32	-(175)
OM of Frame (HP)	Glass	-7 23/32	-(196)	÷	2	-6 29/32	-(175)
OM of Frame (IZ3)	Glass	-7 27/32	-(199)	÷	2	-7 5/32	-(182)
Daylight Opening (Standard/HP)	Glass	+ 1 1/4	(32)			+ 1 1/4	(32)
Daylight Opening (IZ3)	Glass	+ 1 1/8	(29)			+ 1 1/8	(29)
Sliding Screen		in	mm			in	mm
OM of Frame	OM of Screen			÷	2	-5/16	(8)
Daylight Opening	OM of Screen					+ 7 27/32	(199)
Daylight Opening (IZ3/HP)	OM of Screen					+ 7 27/32	(199)
Swinging Screen		in	mm			in	mm
OM of Frame	OM of Screen	-1 55/64	(47)	÷	2	-1 3/8	(35)
Daylight Opening	OM of Screen	+ 7 7/64	(181)			+ 6 25/32	(172)
Daylight Opening (IZ3/HP)	OM of Screen	+ 7 7/64	(181)			+ 6 25/32	(172)

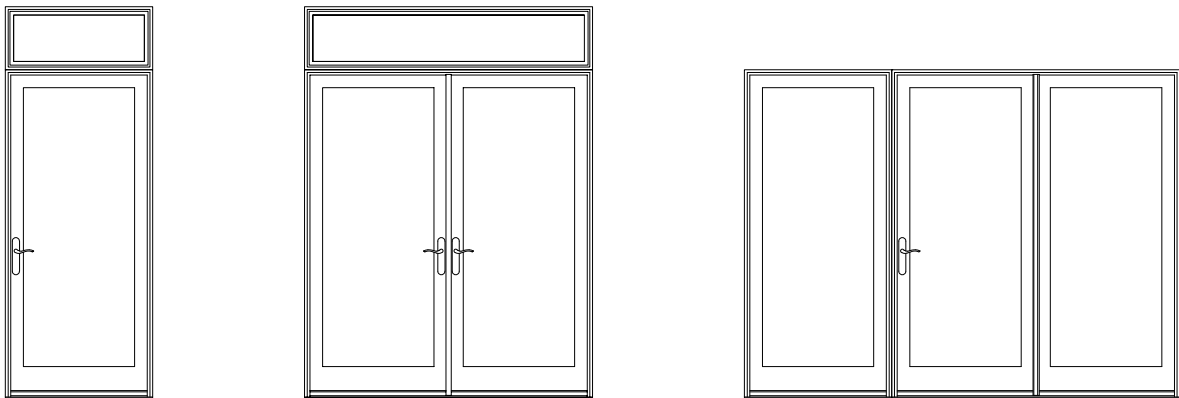
Unit Measurements - ELDG Rectangle		Width		Height	
From	To				
Frame		in	mm	in	mm
Masonry Opening	Rough Opening	+ 1/2	(13)	+ 1/4	(6)
Masonry Opening w/BMC	Rough Opening	+ 1/2	(13)	+ 1/4	(6)
OM of Frame	Rough Opening	+ 1	(25)	+ 1/2	(13)
Daylight Opening	Rough Opening	+ 5 3/8	(137)	+ 4 7/8	(124)
Frame		in	mm	in	mm
Daylight Opening	Frame	+ 4 3/8	(111)	+ 4 3/8	(111)
Glass		in	mm	in	mm
OM of Frame	Glass	-2 13/16	-(71)	-2 13/16	-(71)
Daylight Opening	Glass	+ 1 9/16	(40)	+ 1 9/16	(40)

Mulling Guidelines

Multiple assemblies can be factory mulled

- Assemblies up to 3 units wide by 1 unit high
 - **MAXIMUM ROUGH OPENING** not to exceed 109 15/16" (2792) x 96" (2438)
- Assemblies up to 2 units wide by 2 units high
 - **MAXIMUM ROUGH OPENING** not to exceed 73 5/8" (1870) x 100 1/2" (2552)

NOTE: FIELD MULLING BEYOND 110" X 112" IS NOT RECOMMENDED. MULLING NOT AVAILABLE ON HP OR IZ3 UNITS.



ROUGH OPENING TABLE FOR ASSEMBLIES

WIDTH: Single unit Rough Opening width MINUS 1" = Frame width.

ADD **all** frame widths PLUS 1" = Total Rough Opening width.

HEIGHT: Single unit Rough Opening height MINUS 1/2" = Frame height.

ADD **all** frame heights PLUS 1/2" = Total Rough Opening Height.

Certified Mulling Guidelines

Certified Mull Limits

The Elevate Inswing French Door may be mulled to Direct Glaze Polygon.

- If assemblies have individual units that have a lower design pressure than the mull, the entire assembly is rated at the lower design pressure.
- Mull certification includes 4" mull clip (nail fin installation) or mull brackets (structural bracket installation) at all mull joints.
- Items not included in certified mulls: Stepped mulls, Palladians, Polygon Shapes, Through Jamb and Insert Products, HP or IZ3 units

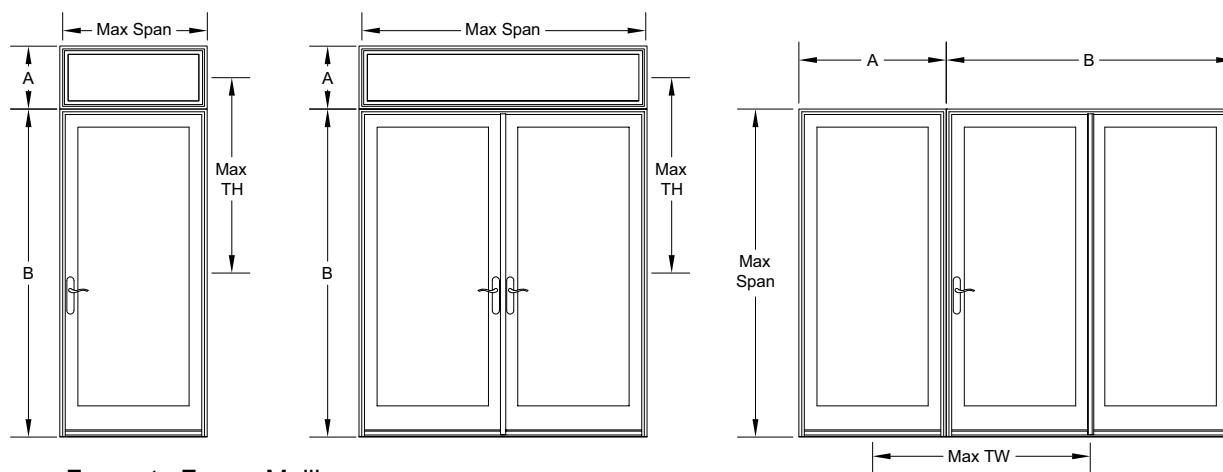
- Standard mull limits (all factory mulls)

- Maximum Mull Assembly RO Size

- 1 unit wide x 2 units high - 71" (1803) x 50" (1270), Max RO 72" x 100 1/2" (1829 x 2553), DP50
- 2-3 units wide x 1 unit high - 95 1/2" (2426) x 54 15/32" (1384), Max RO 109 15/16" x 96" (2792 x 2438), DP50

- Tributary Width = $(A+B)/2$

- Tributary Height = $(A+B)/2$



Frame to Frame Mulling

Certified 1/2" MRF Mulling Guidelines

Certified Mull Limits

The Elevate Inswing French Door may be mulled to Direct Glaze Polygon.

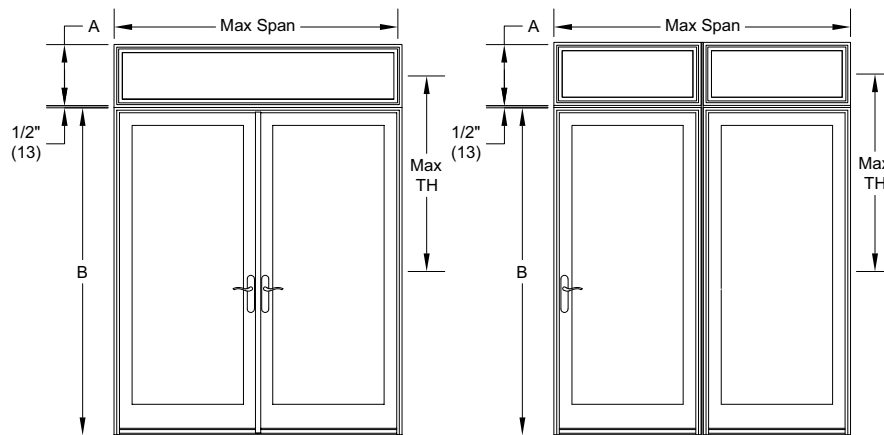
- If assemblies have individual units that have a lower design pressure than the mull, the entire assembly is rated at the lower design pressure.
- Mull certification includes 4" mull clip (nail fin installation) or mull brackets (structural bracket installation) at all mull joints.
- Items not included in certified mulls: Stepped mulls, Palladians, Polygon Shapes, Through Jamb and Insert Products, HP or IZ3 units

- 1/2" MRF mull limits (all factory mulls)

- Maximum Mull Assembly RO Size

- 1 unit wide x 2 units high - 71" (1803) x 50" (1270), Max RO 72" x 100 1/2" (1829 x 2553), DP50
 - 2 units wide x 2 units high - 72 5/8" (1845) x 50" (1270), Max RO 73 5/8" x 100 1/2" (1870 x 2553), DP50

- Tributary Width = $(A+B+1/2)/2$
- Tributary Height = $(A+B+1/2)/2$



1/2" Mull Reinforcement
(MRF) Mulling

Standard Sizes

Standard Inswing Unit Measurements															
Width															
Unit Type	CN	Masonry Opening		Rough Opening		Frame Size		Panel OM		Screen OM		Daylight Opening		Glass Size	
		ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm	ft-in	mm	ft - in	mm	in	mm
1 Panel	2-6	2-6 13/16	(783)	2-7 5/16	(796)	2-6 5/16	(770)	2-4 19/32	(726)	2-4 29/64	(723)	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)	2-6 29/64	(774)	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)	2-10 29/64	(875)	2-3 11/32	(695)	28 19/32	(726)
2 Panel	5-0	4-11 1/2	(1511)	5-0	(1524)	4-11	(1499)	2-4 19/32	(726)	2-5 3/16	(741)	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)	2-7 3/16	(792)	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)	2-11 3/16	(894)	2-3 11/32	(695)	28 19/32	(726)
Height															
Unit Type	CN	Masonry Opening		Rough Opening		Frame Size		Panel OM		Screen OM		Daylight Opening		Glass Size	
		ft - in	mm	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)	6-5 7/32	(1962)	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)	6-7 23/32	(1962)	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)	6-11 23/32	(1962)	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)	7-9 7/32	(2025)	6-11 3/32	(2111)	84 9/32	(2141)

HP Inswing Unit Measurements															
Width															
Unit Type	CN	Masonry Opening		Rough Opening		Frame Size		Panel OM		Screen OM		Daylight Opening		Glass Size	
		ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm	ft-in	mm	ft - in	mm	in	mm
1 Panel	2-6	2-6 13/16	(783)	2-7 5/16	(796)	2-6 5/16	(770)	2-4 19/32	(726)	2-4 29/64	(723)	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)	2-6 29/64	(774)	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)	2-10 29/64	(875)	2-3 11/32	(695)	28 19/32	(726)
2 Panel	5-0	4-11 1/2	(1511)	5-0	(1524)	4-11	(1499)	2-4 19/32	(726)	2-5 3/16	(741)	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)	2-7 3/16	(792)	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)	2-11 3/16	(894)	2-3 11/32	(695)	28 19/32	(726)
Height															
Unit Type	CN	Masonry Opening		Rough Opening		Frame Size		Panel OM		Screen OM		Daylight Opening		Glass Size	
		ft - in	mm	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 1/16	(1932)	6-5 7/32	(1962)	5-6 7/16	(1688)	67 5/8	(1718)
	6-8	6-10 1/4	(2089)	6-10 1/2	(2096)	6-10	(2083)	6-6 9/16	(1996)	6-7 23/32	(2025)	5-8 15/16	(1751)	70 1/8	(1781)
	7-0	7-2 1/4	(2191)	7-2 1/2	(2197)	7-2	(2184)	6-10 9/16	(2097)	6-11 23/32	(2127)	6-0 15/16	(1853)	74 1/8	(1883)
	8-0	7-11 3/4	(2432)	8-0	(2438)	7-11 1/2	(2426)	7-8 1/16	(2338)	7-9 7/32	(2368)	6-10 7/16	(2094)	83 5/8	(2124)

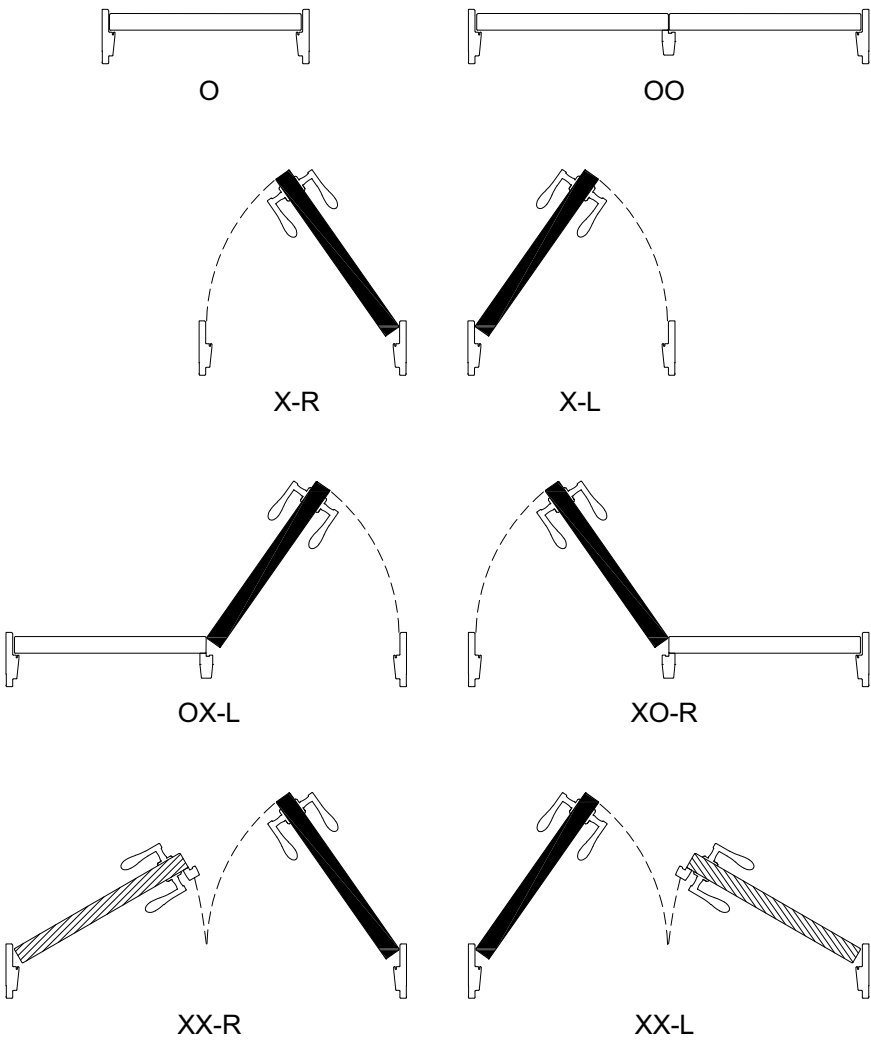
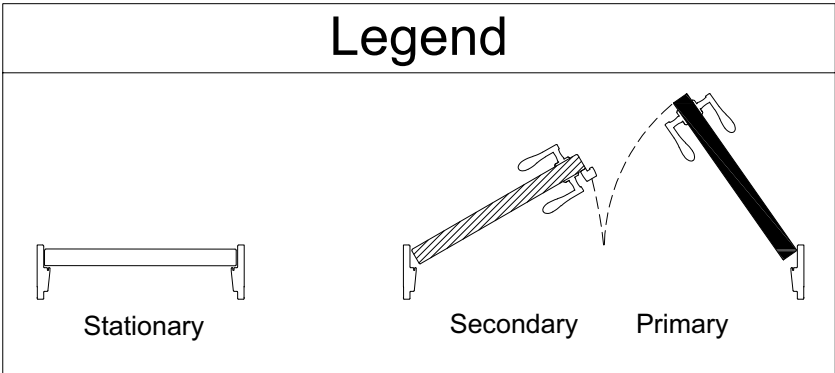
IZ3 Inswing Unit Measurements															
Width															
Unit Type	CN	Masonry Opening		Rough Opening		Frame Size		Panel OM		Screen OM		Daylight Opening		Glass Size	
		ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm	ft-in	mm	ft - in	mm	in	mm
1 Panel	2-6	2-6 13/16	(783)	2-7 5/16	(796)	2-6 5/16	(770)	2-4 19/32	(726)	2-4 29/64	(723)	1-9 11/32	(542)	22 15/32	(571)
	2-8	2-8 13/16	(834)	2-9 5/16	(846)	2-8 5/16	(821)	2-6 19/32	(777)	2-6 29/64	(774)	1-11 11/32	(593)	24 15/32	(622)
	3-0	3-0 13/16	(935)	3-1 5/16	(948)	3-0 5/16	(923)	2-10 19/32	(879)	2-10 29/64	(875)	2-3 11/32	(695)	28 15/32	(723)
2 Panel	5-0	4-11 1/2	(1511)	5-0	(1524)	4-11	(1499)	2-4 19/32	(726)	2-5 3/16	(741)	1-9 11/32	(542)	22 15/32	(571)
	5-4	5-3 1/2	(1613)	5-4	(1626)	5-3	(1600)	2-6 19/32	(777)	2-7 3/16	(792)	1-11 11/32	(593)	24 15/32	(622)
	6-0	5-11 1/2	(1816)	6-0	(1829)	5-11	(1803)	2-10 19/32	(879)	2-11 3/16	(894)	2-3 11/32	(695)	28 15/32	(723)
Height															
Unit Type	CN	Masonry Opening		Rough Opening		Frame Size		Panel OM		Screen OM		Daylight Opening		Glass Size	
		ft - in	mm	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 1/16	(1932)	6-5 7/32	(1962)	5-6 7/16	(1688)	67 33/64	(1715)
	6-8	6-10 1/4	(2089)	6-10 1/2	(2096)	6-10	(2083)	6-6 9/16	(1996)	6-7 23/32	(2025)	5-8 15/16	(1751)	70 1/64	(1778)
	7-0	7-2 1/4	(2191)	7-2 1/2	(2197)	7-2	(2184)	6-10 9/16	(2097)	6-11 23/32	(2127)	6-0 15/16	(1853)	74 1/64	(1880)
	8-0	7-11 3/4	(2432)	8-0	(2438)	7-11 1/2	(2426)	7-8 1/16	(2338)	7-9 7/32	(2368)	6-10 7/16	(2094)	83 33/64	(2121)

STC/OITC Ratings

Product Type	Exterior Glazing	Airspace	Interior Glazing or Center Glazing	Airspace	Interior Glazing	STC	OITC
ELIFD	1/8" (3.1)	17/32" (13.0)	1/8" (3.1)	--	--	28	24
	1/8" (3.1)	15/32" (11.5)	3/16" (4.7)	--	--	32	27
ELIFD HP	1/8" (3.1)	17/32" (13.0)	1/8" (3.1)	--	--	29	25
	1/8" (3.1)	15/32" (11.5)	3/16" (4.7)	--	--	33	28
ELIFD IZ3	5/32" (3.9)	5/16" (8.0)	9/32" (6.9) SGP Laminate	--	--	32	29

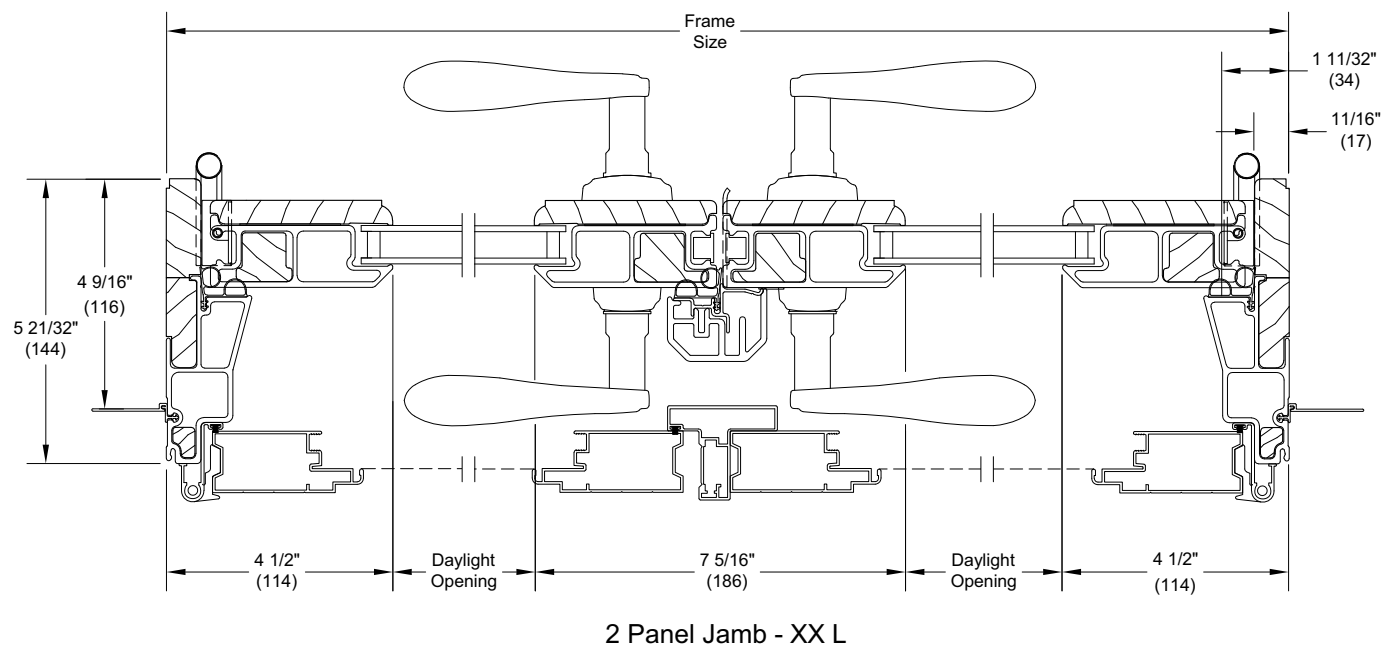
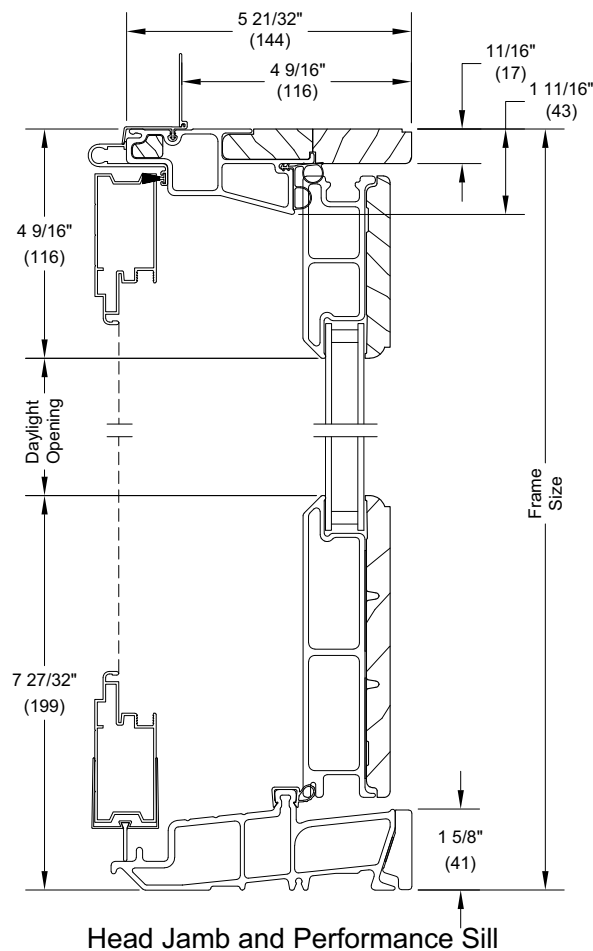
Configurations

Scale: 3" = 1' 0"



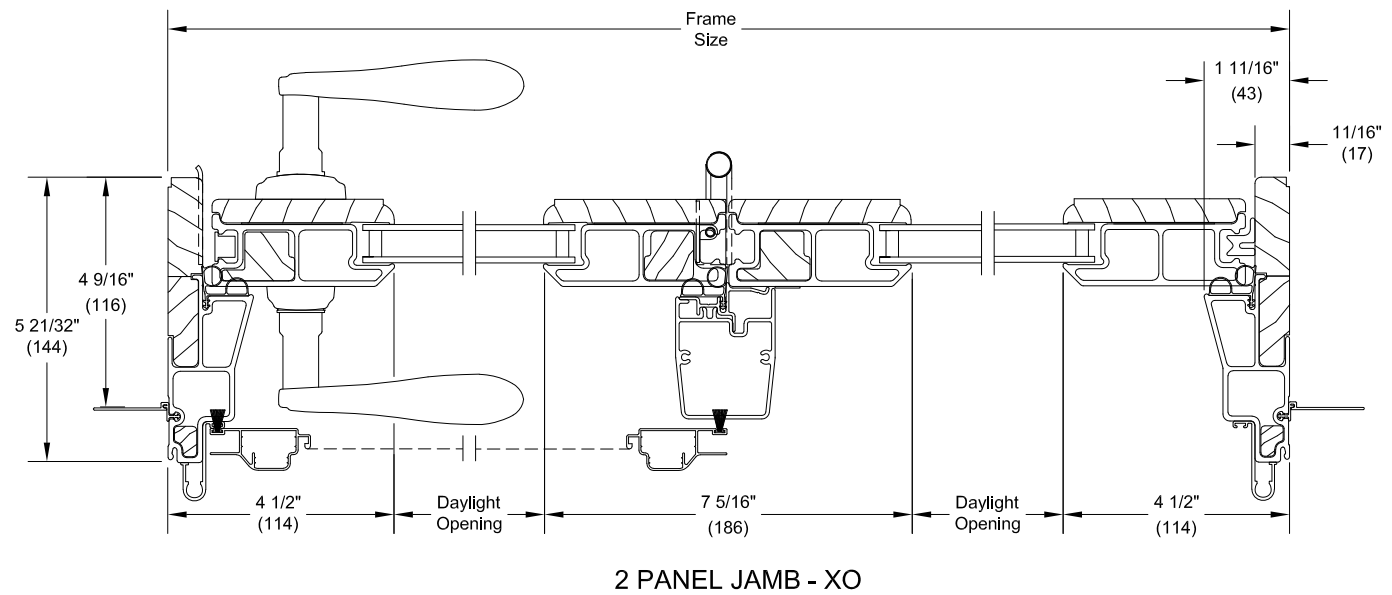
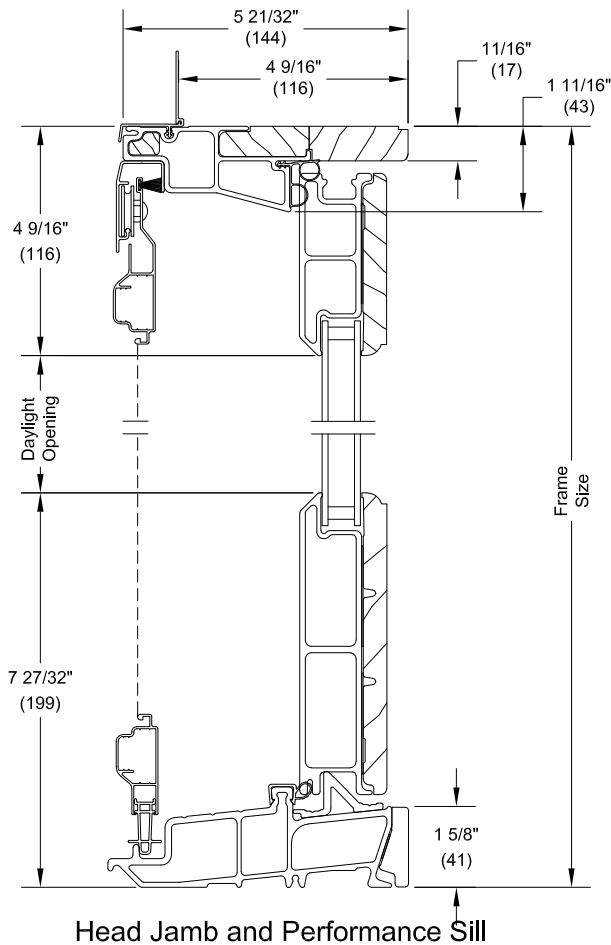
Section Details: Standard - 4 9/16" Jamb - XXL Operator

Scale: 3" = 1' 0"



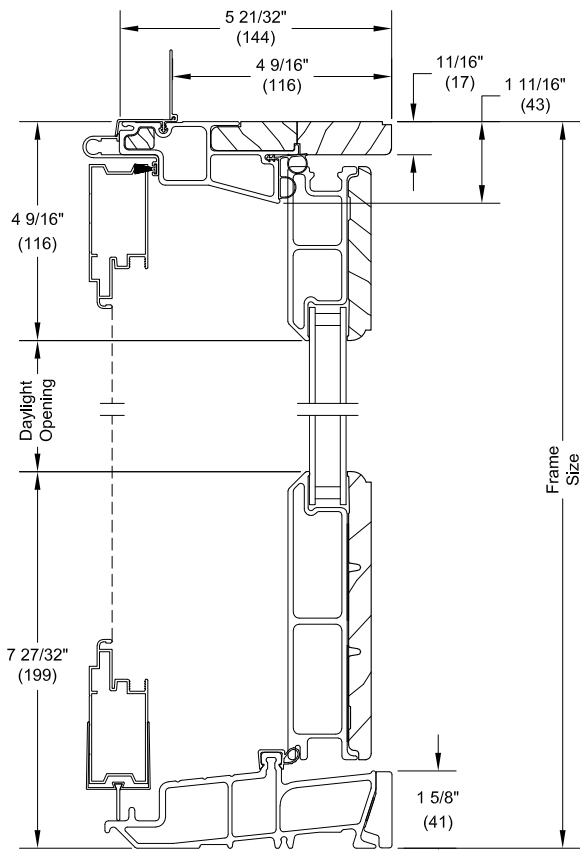
Section Details: Standard - 4 9/16" Jamb - XO Operator

Scale: 3" = 1' 0"

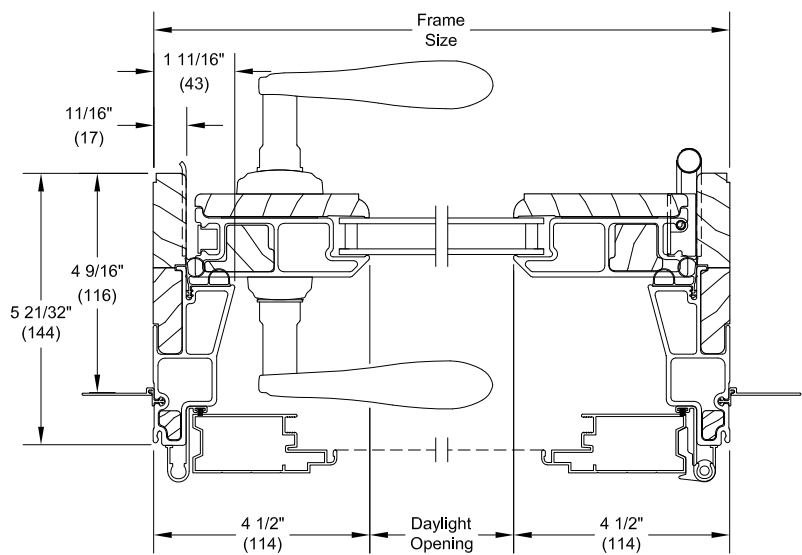


Section Details: Standard - 4 9/16" Jamb - X - Operator

Scale: 3" = 1' 0"



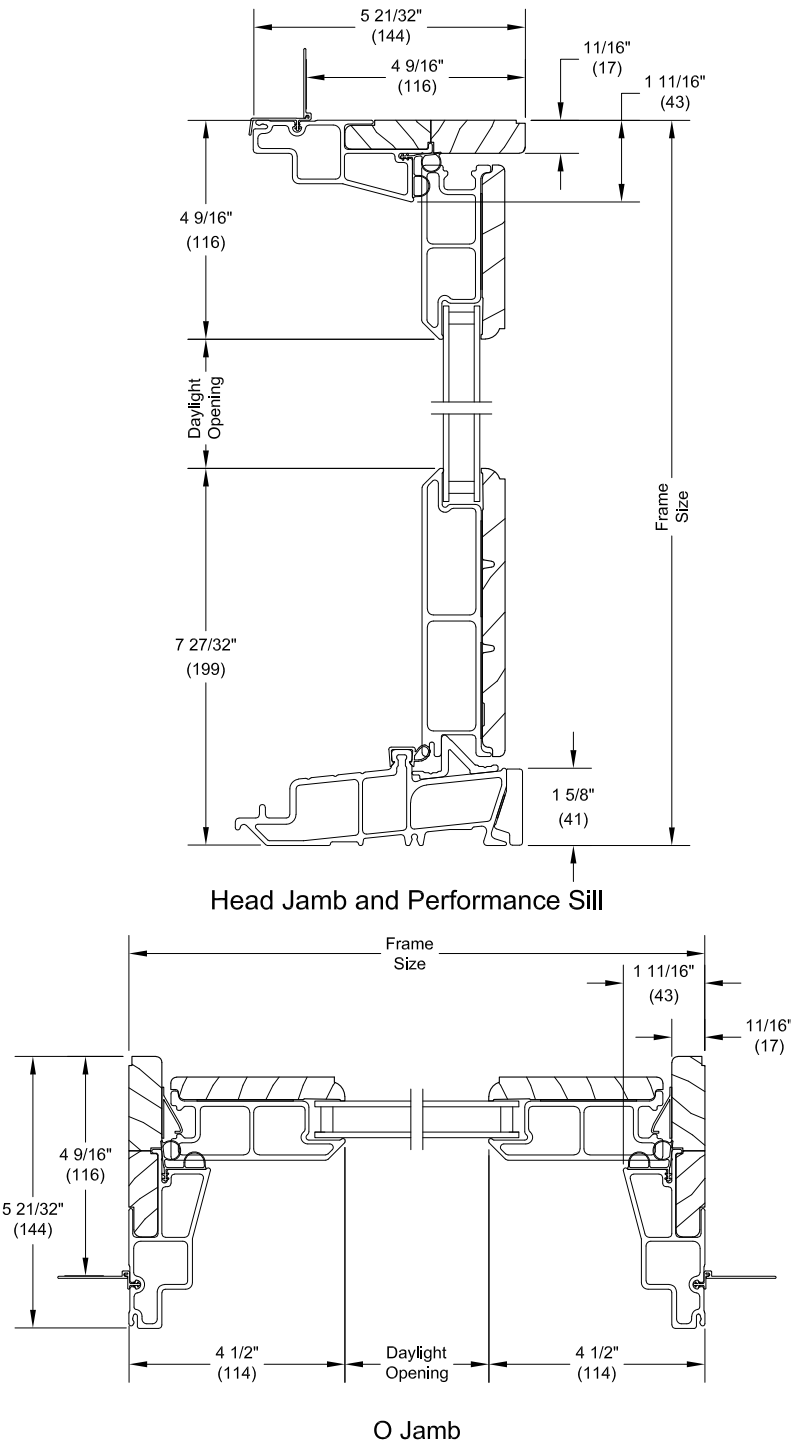
Head Jamb and Performance Sill



Jambs

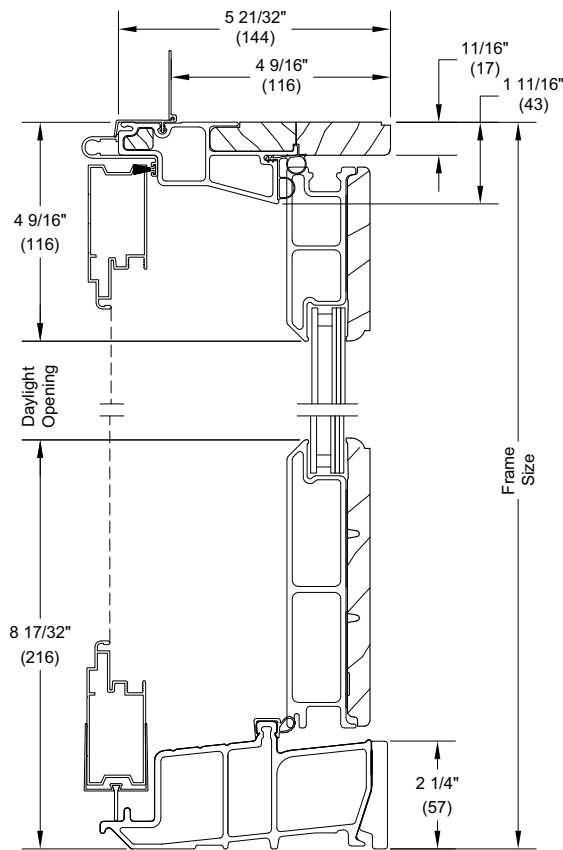
Section Details: Standard - 4 9/16" Jamb - O - Stationary

Scale: 3" = 1' 0"

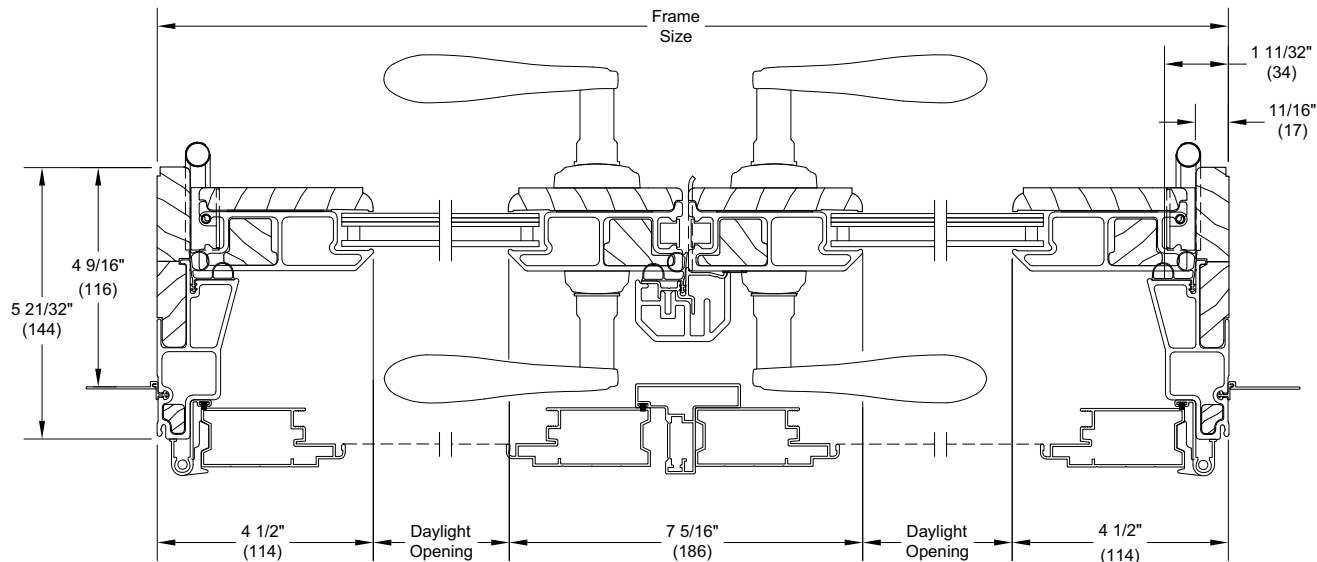


Section Details: IZ3 - 4 9/16" Jamb - XXR Operator

Scale: 3" = 1' 0"



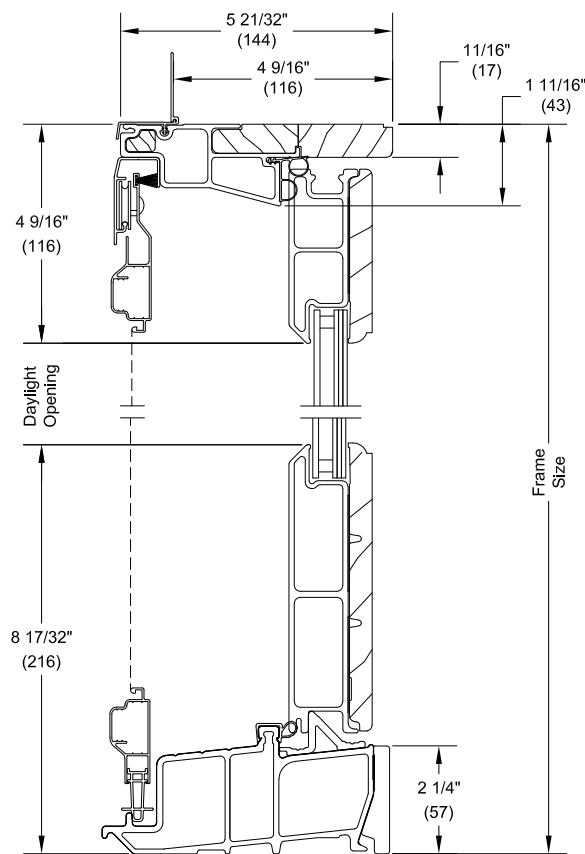
Head Jamb and High Performance Sill



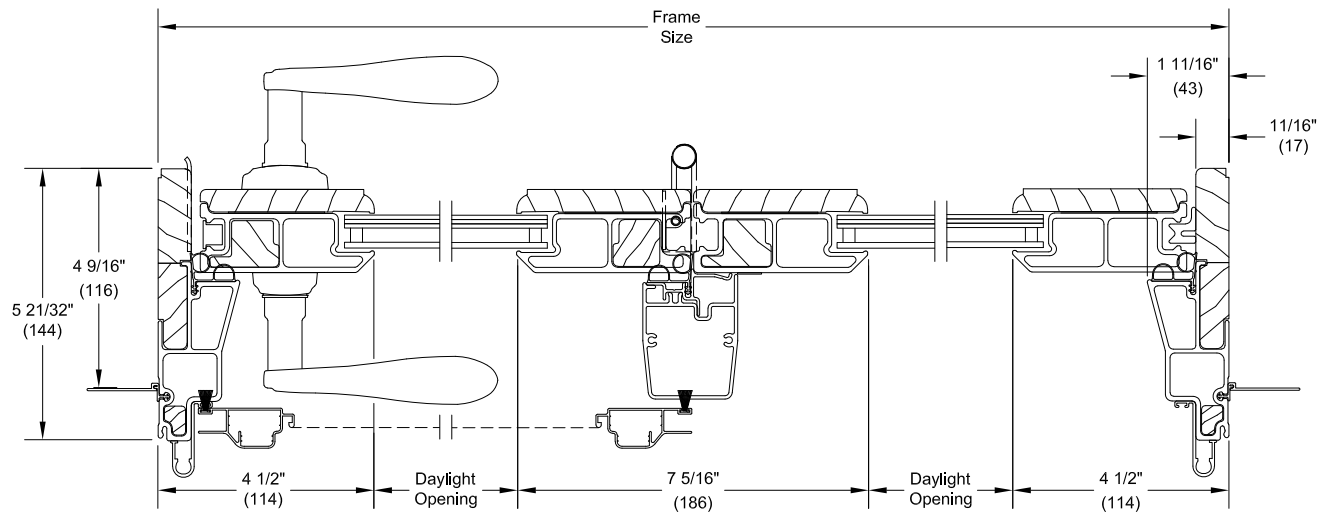
2 Panel Jamb - XX R

Section Details: IZ3 - 4 9/16" Jamb - XO Operator

Scale: 3" = 1' 0"



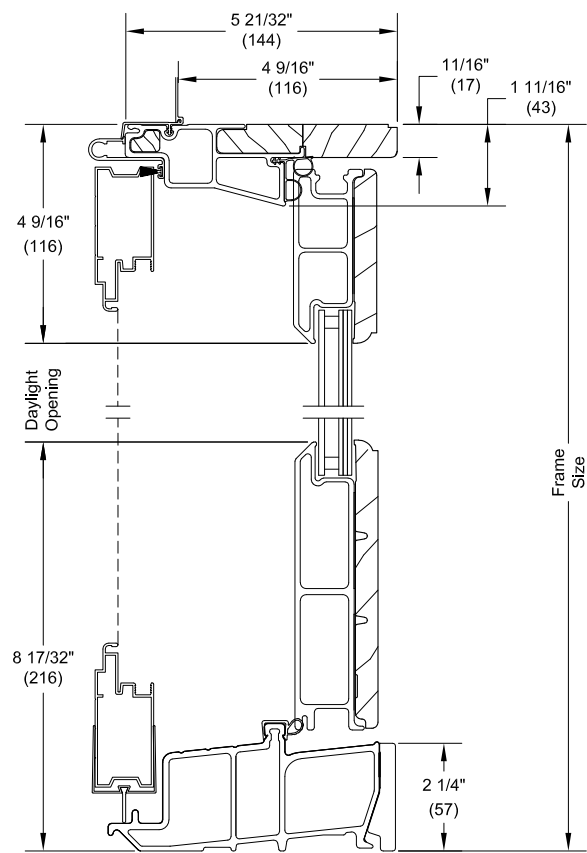
Head Jamb and High Performance Sill



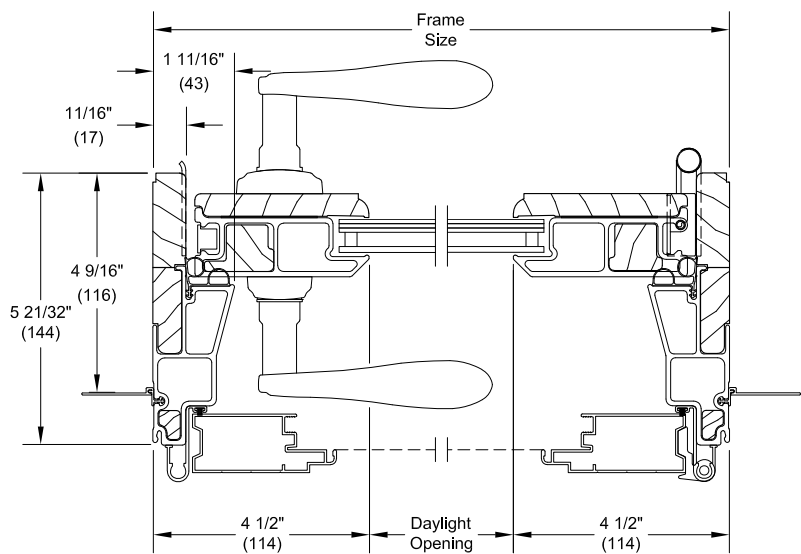
2 Panel Jamb - XO

Section Details: IZ3 - 4 9/16" Jamb - X - Operator

Scale: 3" = 1' 0"



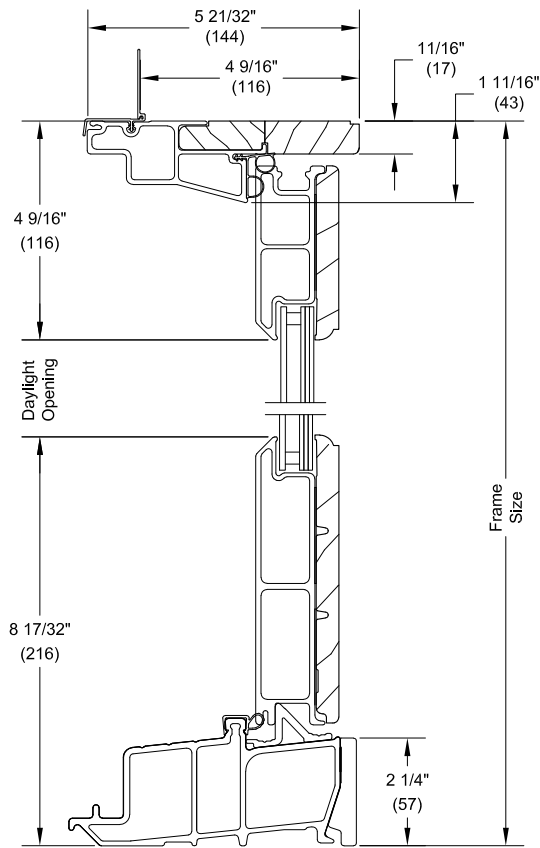
Head Jamb and High Performance Sill



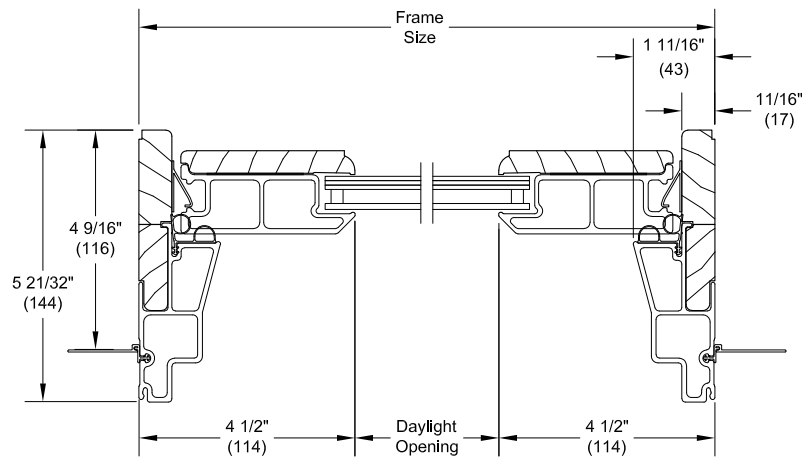
Jambs

Section Details: IZ3 - 4 9/16" Jamb - O - Stationary

Scale: 3" = 1' 0"



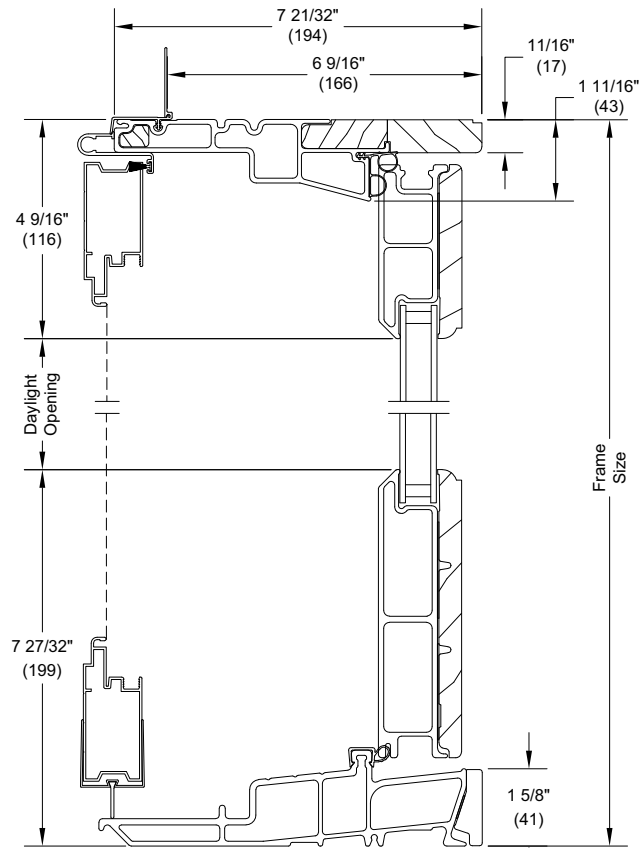
Head Jamb and High Performance Sill



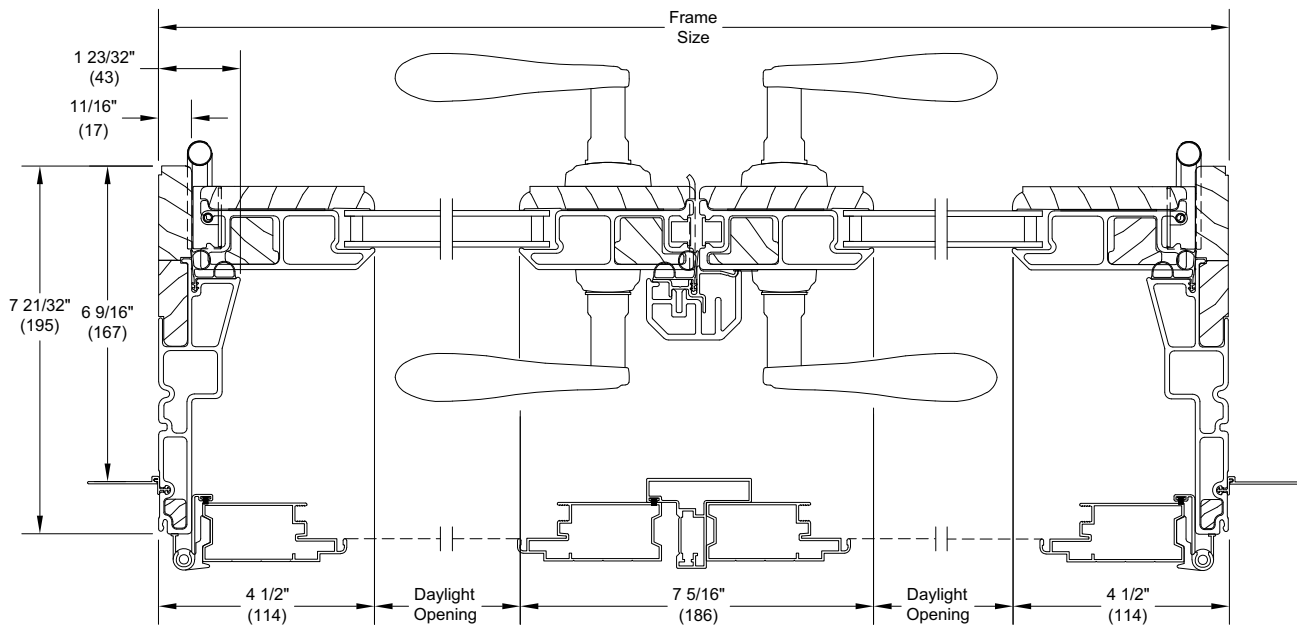
O Jamb

Section Details: Standard - 6 9/16" Jamb - XXL Operator

Scale: 3" = 1' 0"



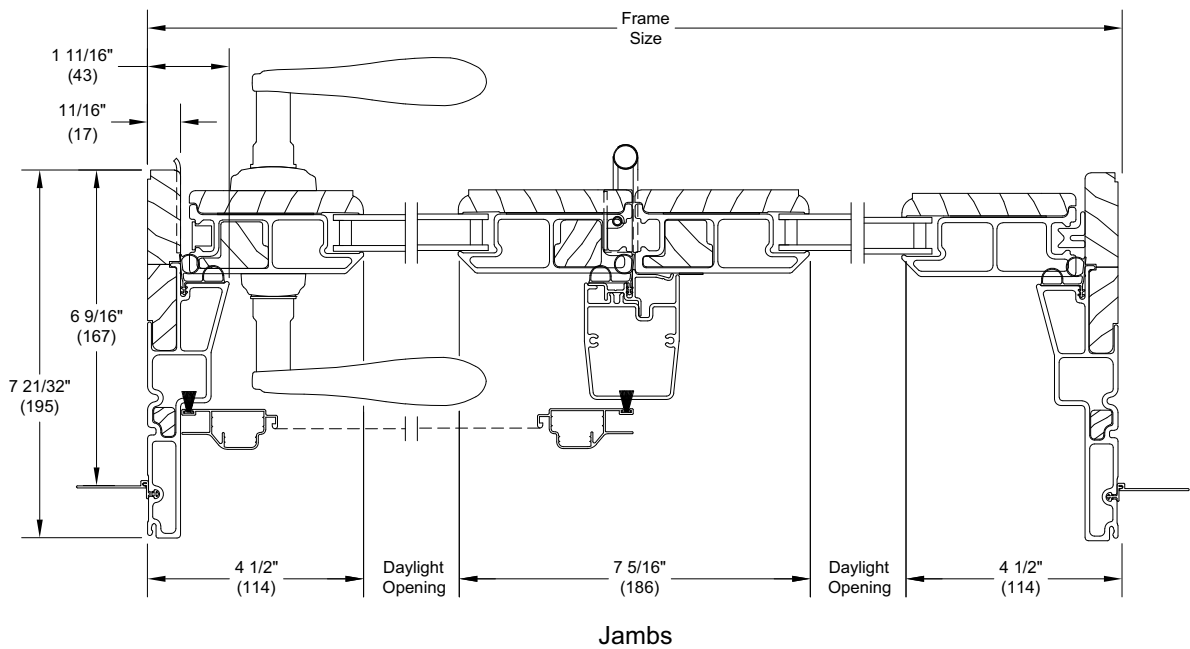
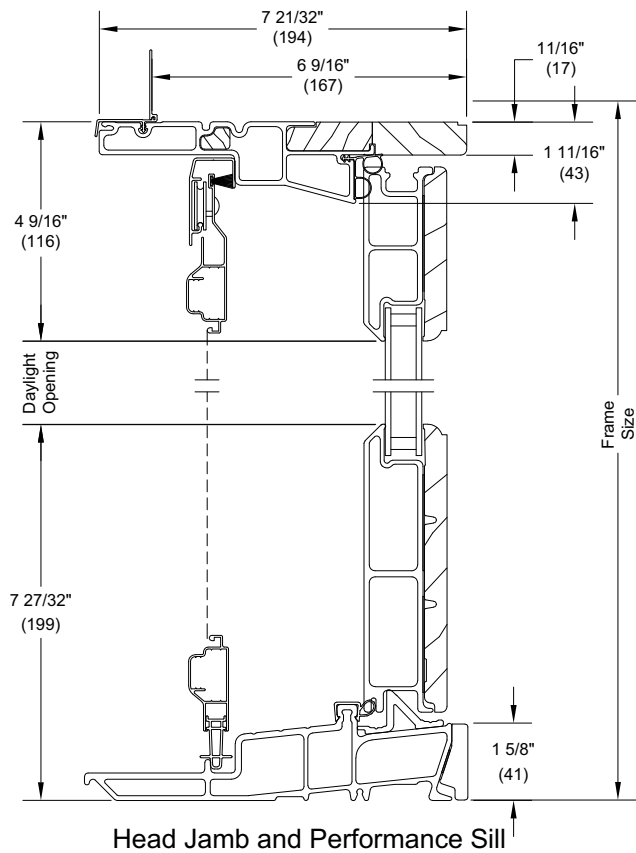
Head Jamb and Performance Sill



2 Panel Jamb - XX R

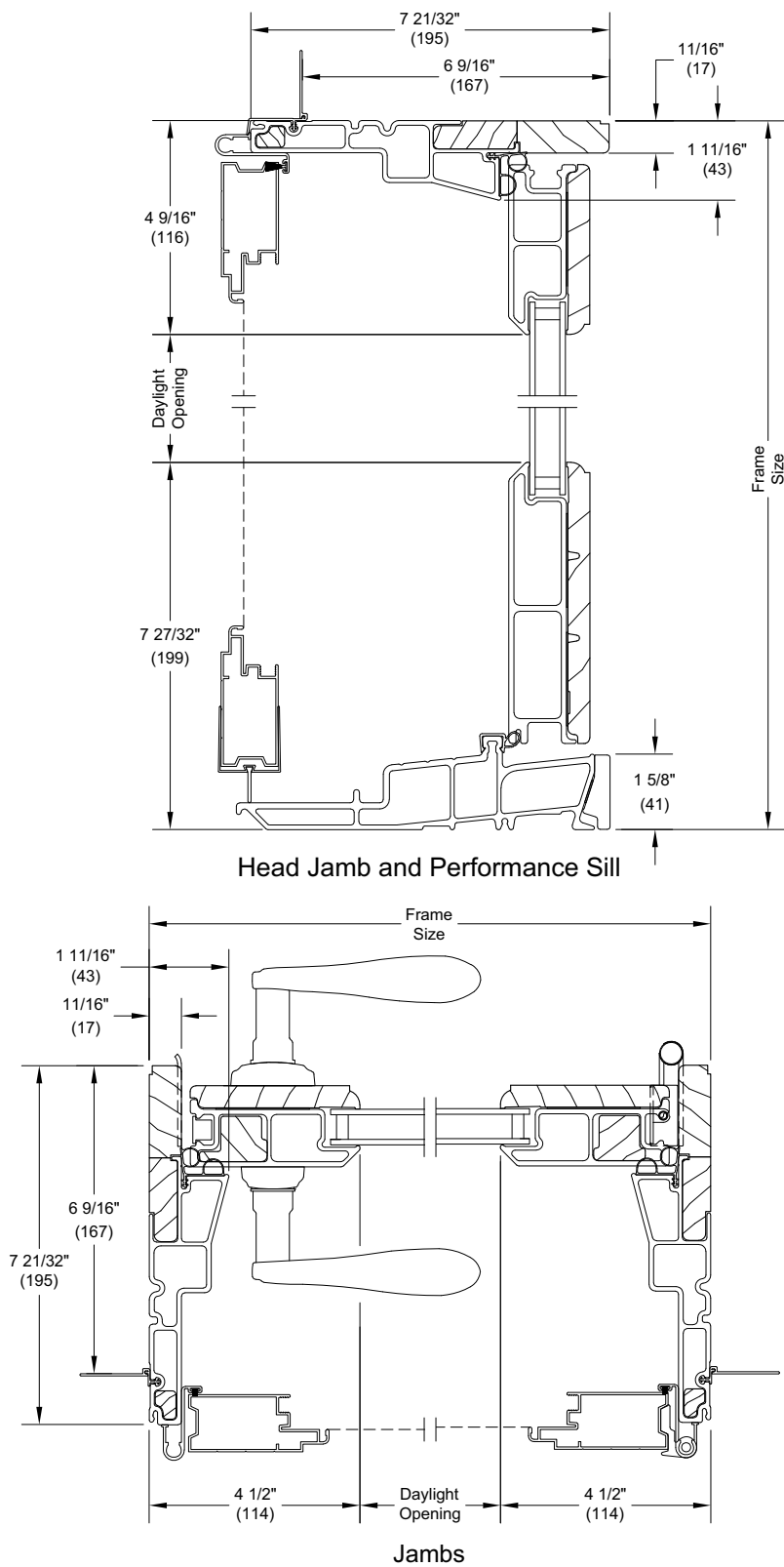
Section Details: Standard - 6 9/16" Jamb - XO Operator

Scale: 3" = 1' 0"



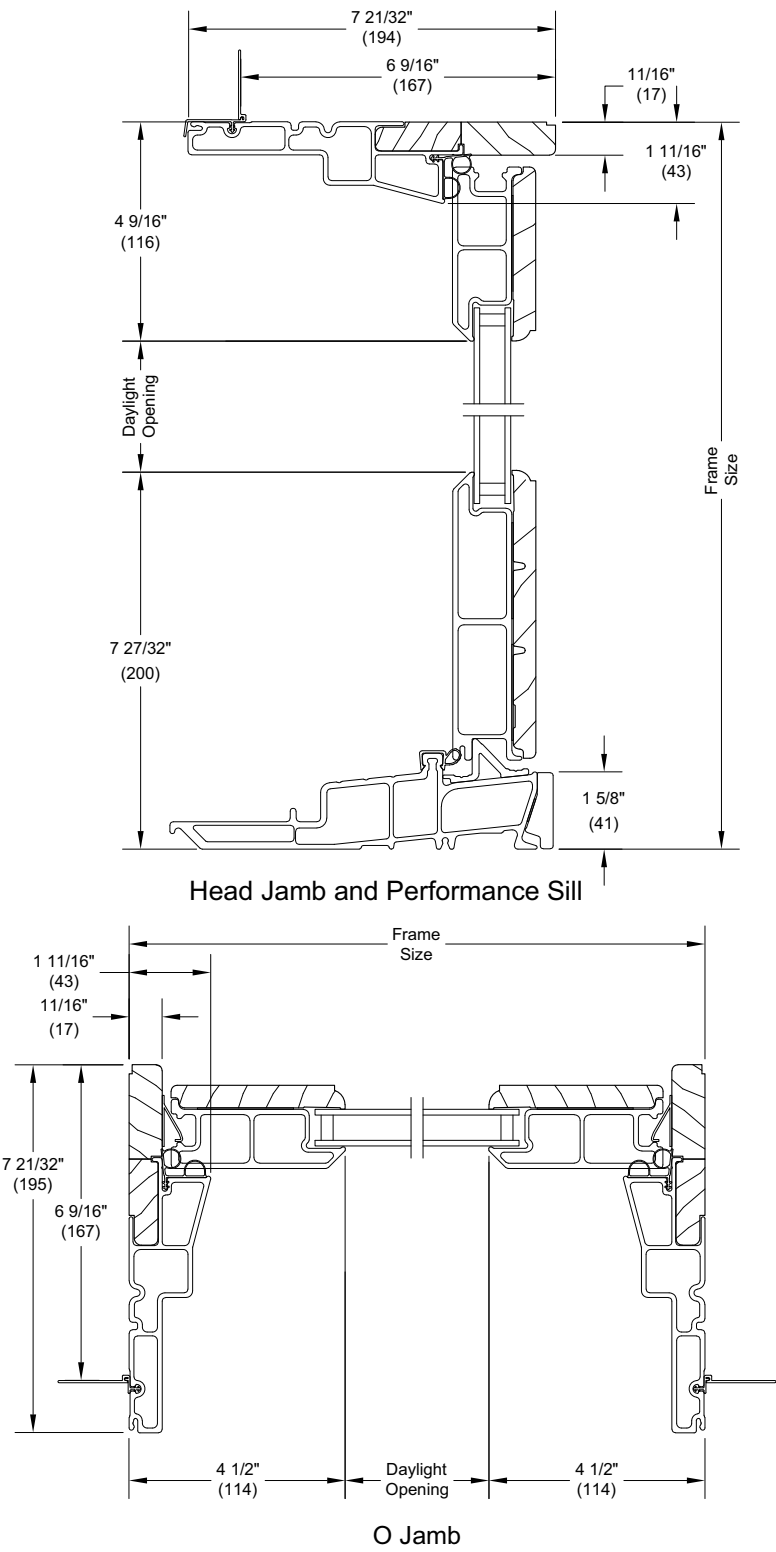
Section Details: Standard - 6 9/16" Jamb - X - Operator

Scale: 3" = 1' 0"



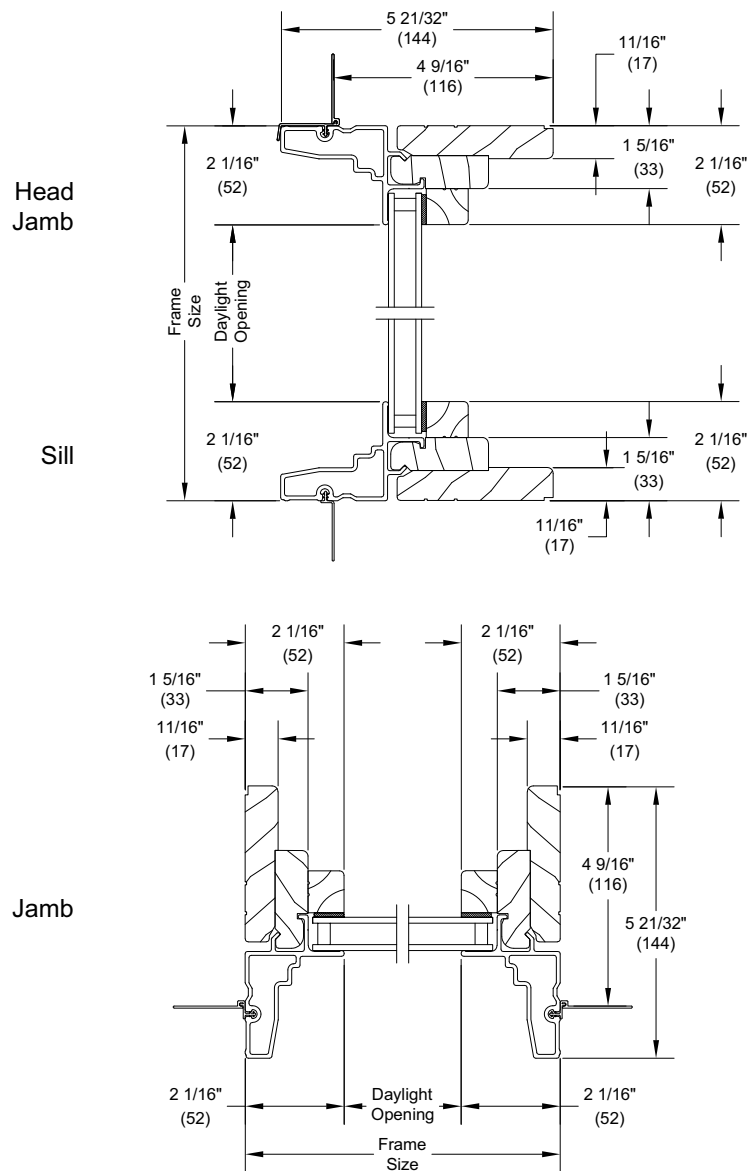
Section Details: Standard - 6 9/16" Jamb - O - Stationary

Scale: 3" = 1' 0"



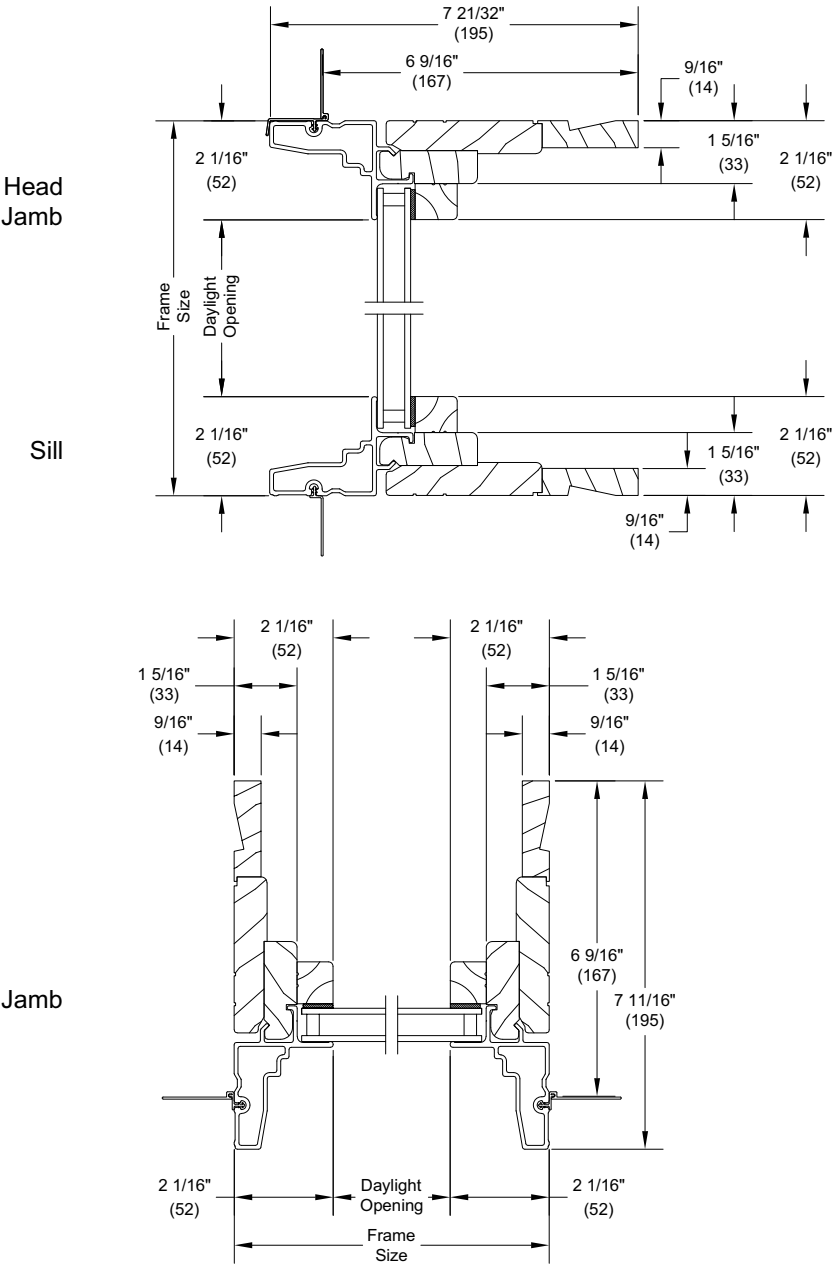
Section Details: Direct Glaze Rectangle - 4 9/16" (Standard)

Scale: 3" = 1' 0"



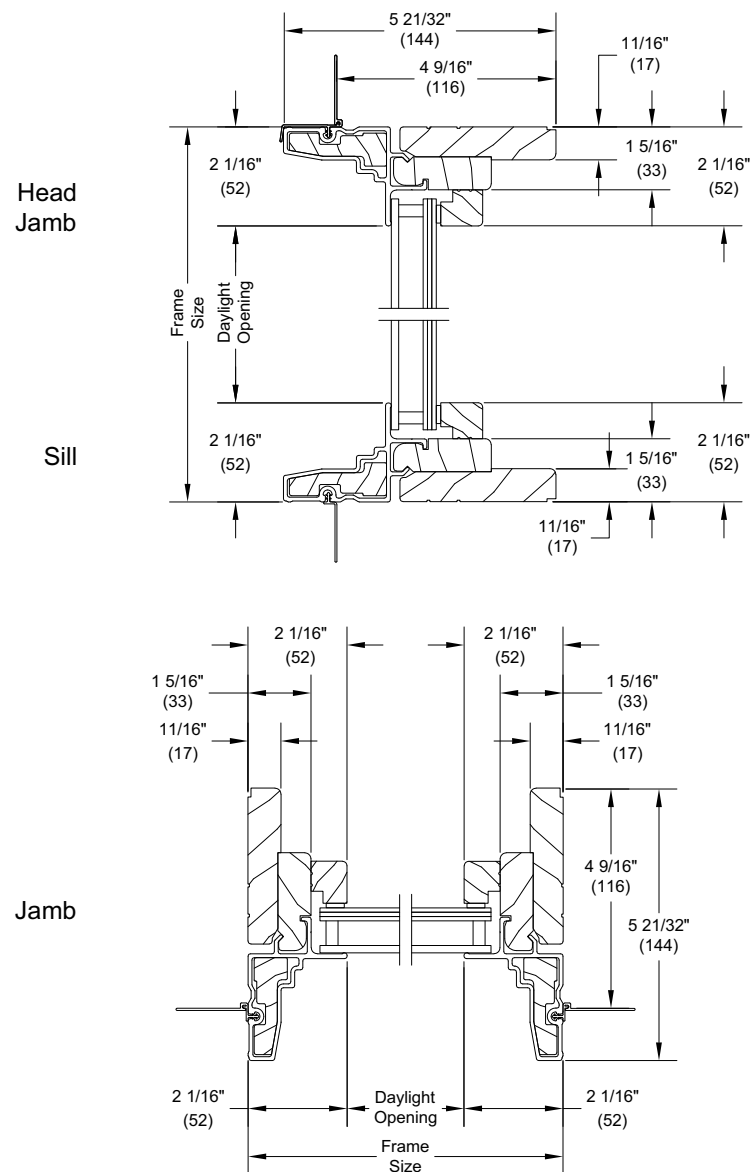
Section Details: Direct Glaze Rectangle - 6 9/16" (Standard)

Scale: 3" = 1' 0"



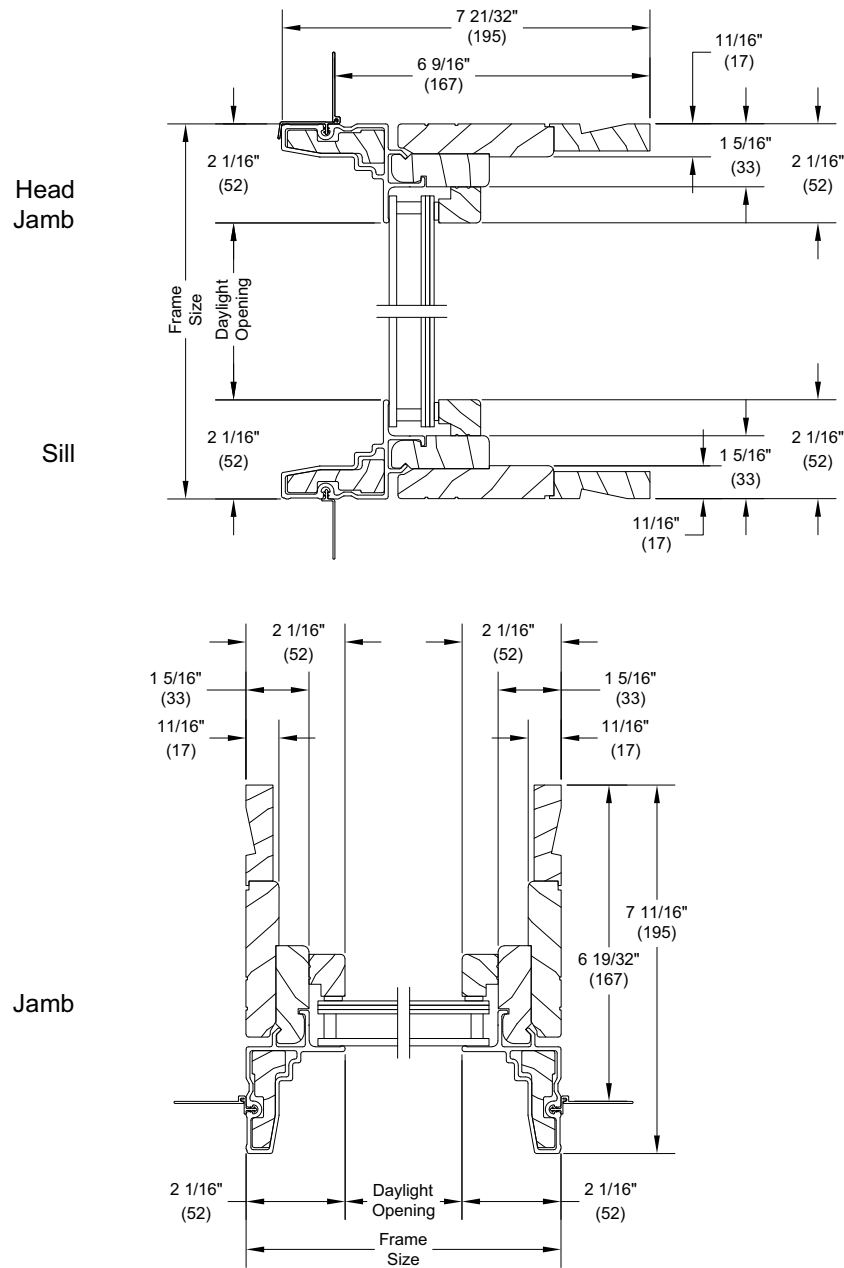
Section Details: Direct Glaze Rectangle - 4 9/16" Jamb (IZ3)

Scale: 3" = 1' 0"



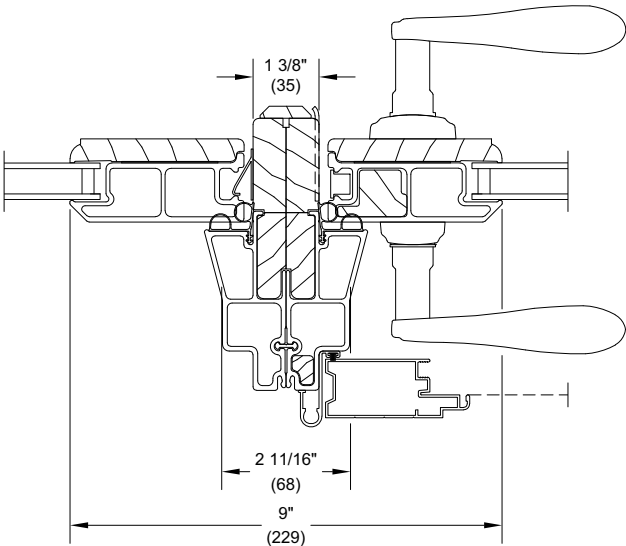
Section Details: Direct Glaze Rectangle - 6 9/16" Jamb (IZ3)

Scale: 3" = 1' 0"

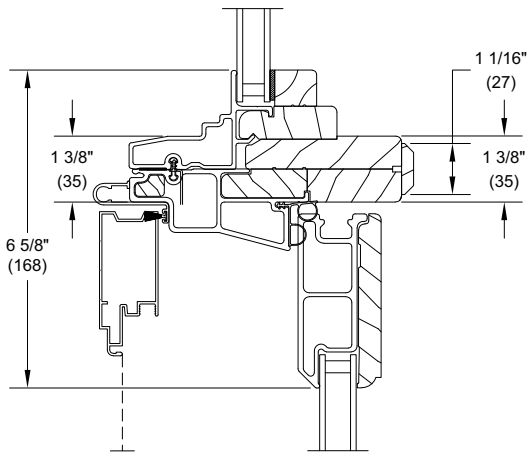


Section Details: Mullions (Standard Mull)

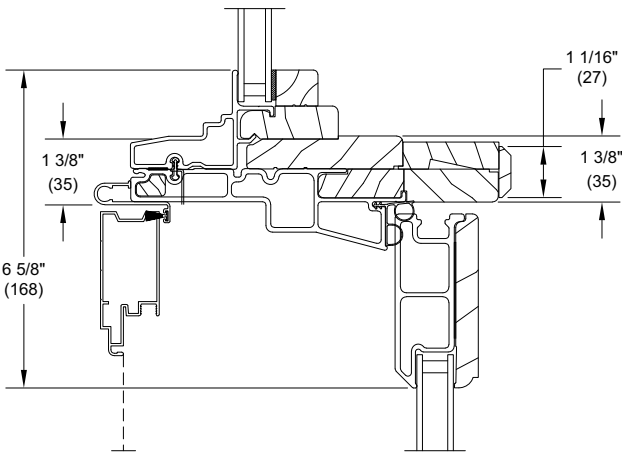
Scale: 3" = 1' 0"



Vertical Standard Mull
O-X or O-XO
Inswing French Door To
Inswing French Door



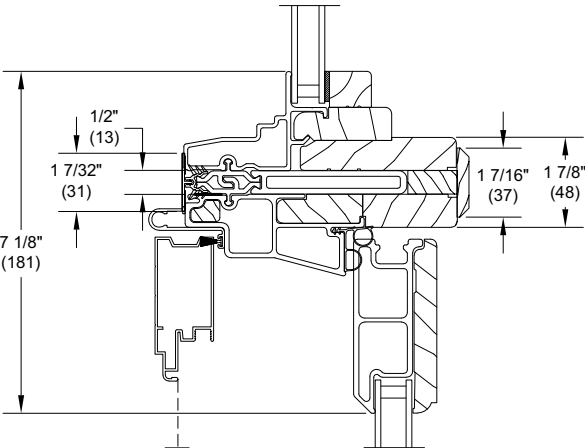
Horizontal Standard Mull
Direct Glaze Transom Over
Inswing French Door
4 9/16" Jambs



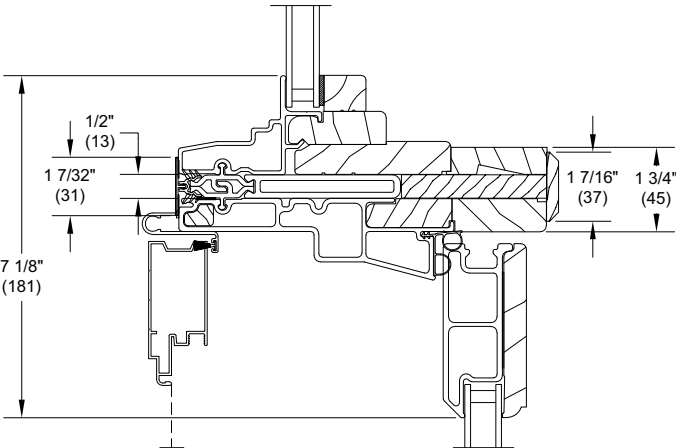
Horizontal Standard Mull
Direct Glaze Transom Over
Inswing French Door
6 9/16" Jambs

Section Details: Mullions (1/2" MRF)

Scale: 3" = 1' 0"



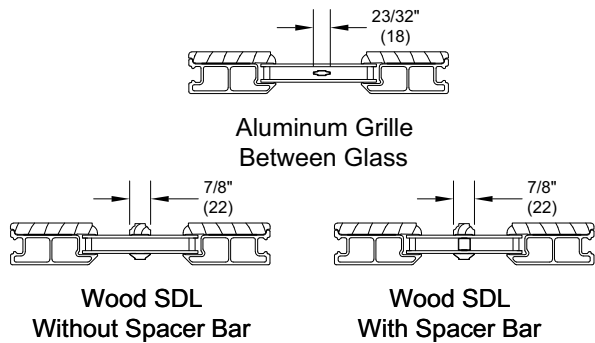
Horizontal 1/2" MRF
Direct Glaze Transom Over
Inswing French Door
4 9/16" Jamb



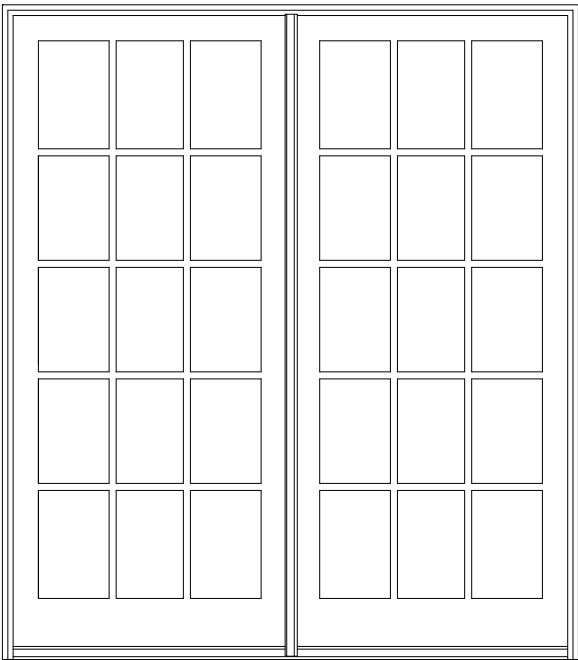
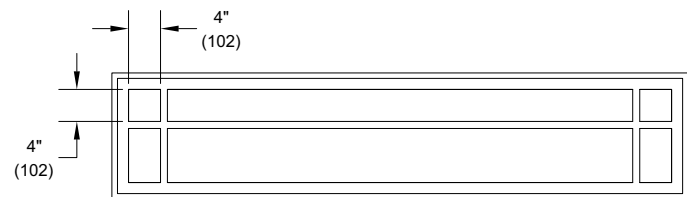
Horizontal 1/2" MRF
Direct Glaze Transom Over
Inswing French Door
6 9/16" Jamb

Section Details: Divided Lite Options

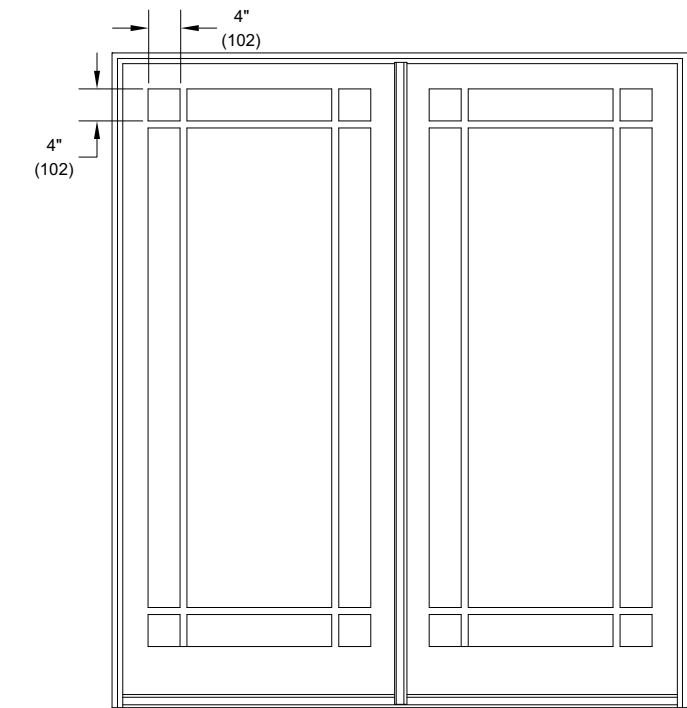
Divided Lite Options



Conversion Formula:
$$\frac{\text{Total DLO} - \text{Total Bar Width}}{\text{Number of lites}} = \text{Individual DLO}$$

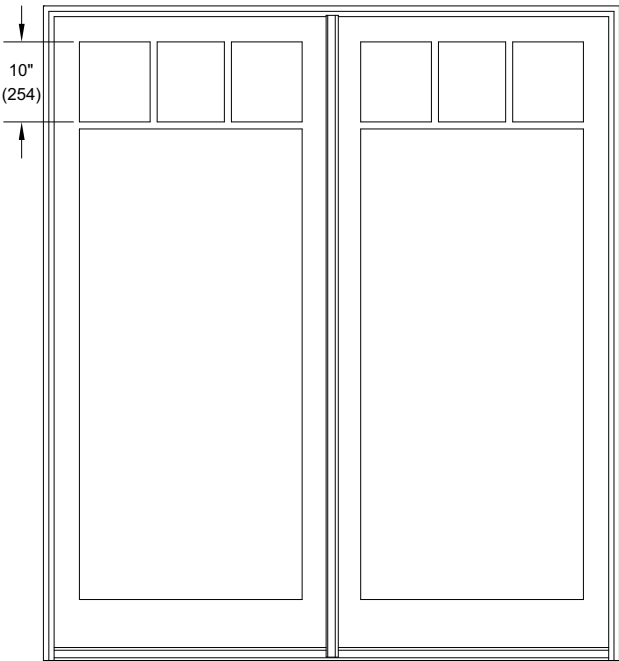


Rectangle Cut



Prairie Lite Cut

*NOTE: Optional 9 lite per panel Prairie cut GBG or SDL
GBGs are not available on IZ3 units*



Cottage Lite Cut

Section Details: Divided Lite Options

Default Rectangular Lite Pattern per Panel - GBG, SDL, SDLS

Standard CN Height	Standard CN Width					
	26	28	30	50	54	60
65	3W5H	3W5H	3W5H	3W5H	3W5H	3W5H
68	3W5H	3W5H	3W5H	3W5H	3W5H	3W5H
70	3W5H	3W5H	3W5H	3W5H	3W5H	3W5H
80	3W6H	3W6H	3W6H	3W6H	3W6H	3W6H

Optional Rectangular Lite Pattern per Panel - GBG, SDL, SDLS

Standard CN Height	Standard CN Width					
	26	28	30	50	54	60
65	2W5H	2W5H	2W5H	2W5H	2W5H	2W5H
68	2W5H	2W5H	2W5H	2W5H	2W5H	2W5H
70	2W5H	2W5H	2W5H	2W5H	2W5H	2W5H
80	2W6H	2W6H	2W6H	2W6H	2W6H	2W6H

Optional Prairie Lite Pattern per Panel - GBG, SDL, SDLS

Standard CN Height	Standard CN Width					
	26	28	30	50	54	60
65	9-Lite	9-Lite	9-Lite	9-Lite	9-Lite	9-Lite
68	9-Lite	9-Lite	9-Lite	9-Lite	9-Lite	9-Lite
70	9-Lite	9-Lite	9-Lite	9-Lite	9-Lite	9-Lite
80	9-Lite	9-Lite	9-Lite	9-Lite	9-Lite	9-Lite

NOTE: Prairie Pattern GBG and SDLS are not available for CN80 height.

Optional Cottage Lite Pattern per Panel - SDL, SDLS

Standard CN Height	Standard CN Width					
	26	28	30	50	54	60
65	4-Lite	4-Lite	4-Lite	4-Lite	4-Lite	4-Lite
68	4-Lite	4-Lite	4-Lite	4-Lite	4-Lite	4-Lite
70	4-Lite	4-Lite	4-Lite	4-Lite	4-Lite	4-Lite
80	4-Lite	4-Lite	4-Lite	4-Lite	4-Lite	4-Lite

INSWING FRENCH DOOR DIRECT GLAZE RECTANGLE

Default Rectangular Lite Pattern per Panel - GBG, SDL, SDLS

Standard CN Height	Standard CN Width		
	36	72	108
16	3W1H	6W1H	9W1H

Optional Rectangular Lite Pattern per Panel - GBG, SDL, SDLS

Standard CN Height	Standard CN Width		
	36	72	108
16	2W1H	4W1H	6W1H

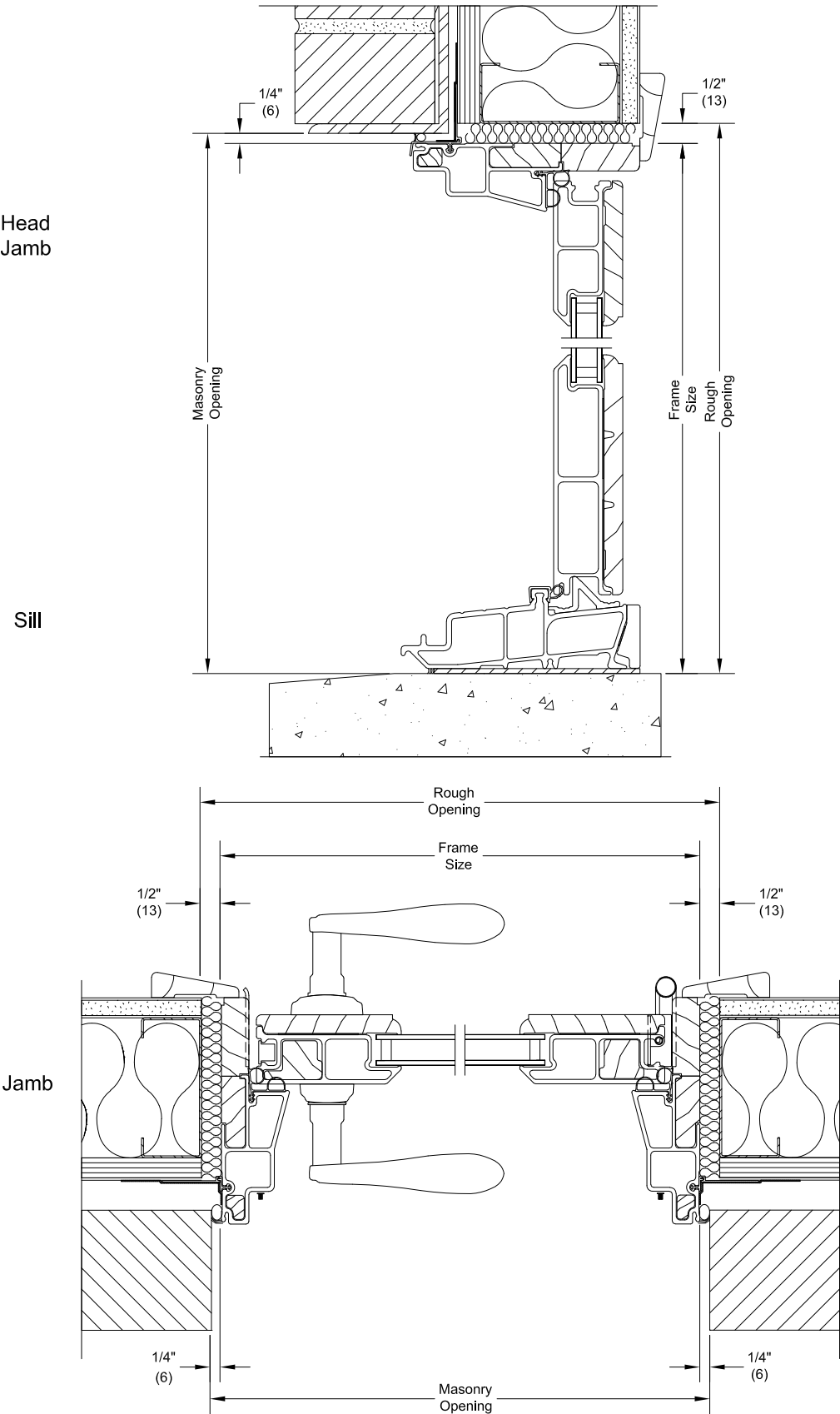
Optional Prairie Lite Pattern per Panel - GBG, SDL, SDLS

Standard CN Height	Standard CN Width		
	36	72	108
16	6-Lite Top	6-Lite Top	N/A

Section Details: Divided Lite Options**NOTES:**

- Due to the inherent qualities of tempered glass, daylight gaps may be seen when using simulated divided lite bars. Daylight gaps could be visible between the internal spacer bar and surface applied bars when viewing from an acute angle to the glass on the following applications
 - Tempered glass over 91" high while using 7/8" SDL bars.
- Rectangle GBGs for special size units will default to the next smaller standard size lite pattern. Also available will be Prairie patterns, Cottage patterns, and customer specified equal rectangular lite patterns.
- Rectangular SDL for special size units will default to the next smaller standard size lite pattern. Also available will be Prairie patterns, Cottage patterns, and customer specified equal rectangular lite patterns.
- Prairie GBG and SDL available in 9 lite and 6 lite top, bottom, left, and right patterns.
- Cottage GBGs and SDL for special sizes units will default to the next smaller standard size lite pattern. Cottage GBGs and SDL are also available in customer selected lite patterns.
- Maximum number of lites wide and high for equal lite SDL option is 11 lites.
- Minimum DLO measurement for equal lite SDL option is 4" (102) and will be validated by OMS.
- Minimum DLO measurement for equal lite GBG option is 3" (76) and will be validated by OMS.
- Standard DLO measurement for Prairie GBG and SDL options is 4" (102). Special DLO corners are n/a.
- Standard DLO height measurement for Cottage SDL option is 10" (254). Minimum DLO height is 8" (203) for one high pattern. Minimum DLO height is 4" (102) for two high pattern.
- Standard DLO height measurement for Cottage GBG option is 10" (254). Minimum DLO height is 3" (76) for both one and two high patterns.
- Simulated Rail: Rectangular, Prairie 6- Lite and 9- Lite SDL patterns are available with Simulated Rail.
- Simulated Rail: Custom ratio and specified DLO are available with Simulated Rail and will be validated by OMS.
- GBGs are not available on IZ3.
- GBGs are not available with an unsupported bar length > 72".

Installation Suggestions: Brick Veneer with Steel Frame Construction



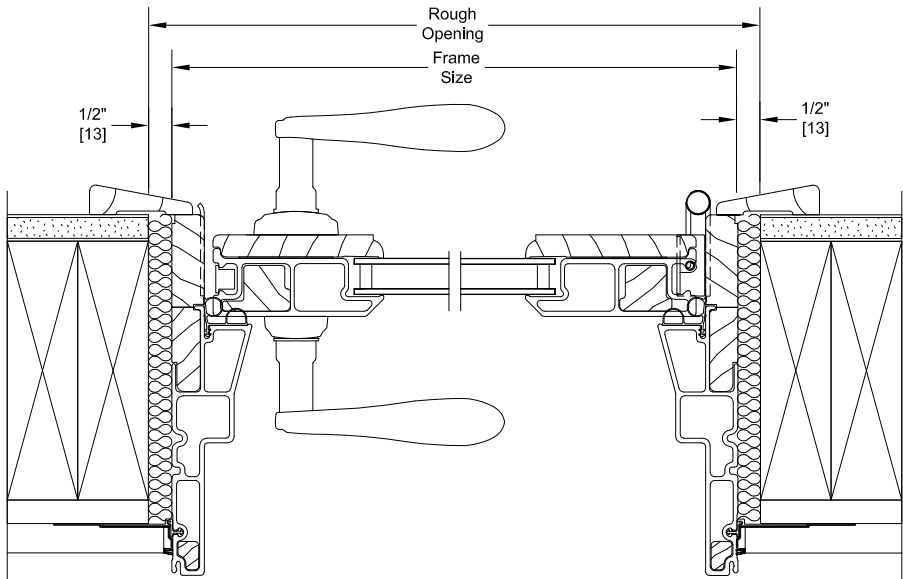
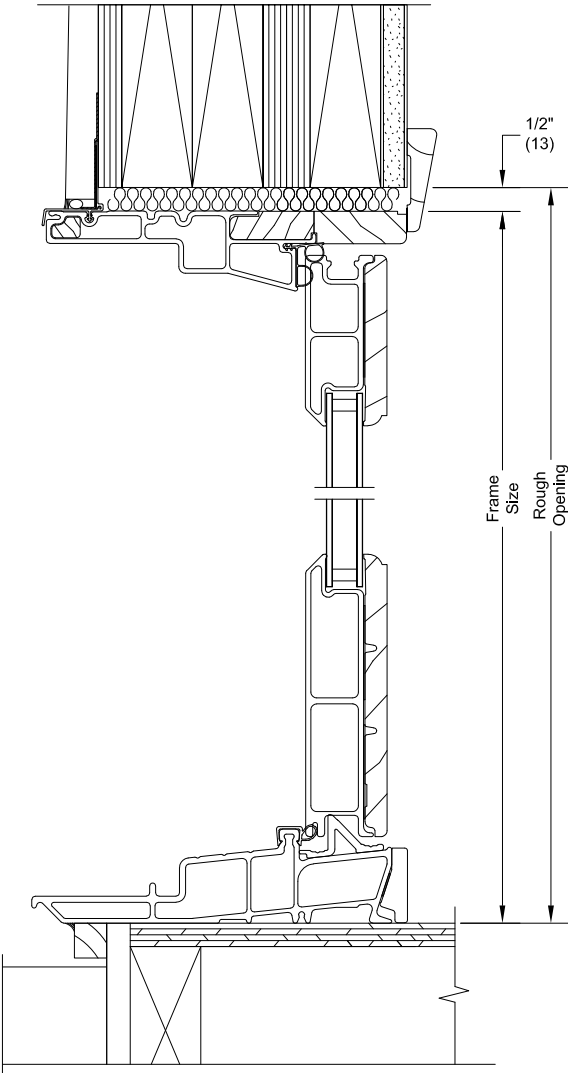
NOTE: The above wall sections represent typical wall conditions, these detail are not intended as installation instructions. Please refer to the installation instructions provided with the purchased units.

Installation Suggestions: Wood Siding with 2x6 Frame Construction

Head
Jamb

Sill

Jamb



NOTE: The above wall sections represent typical wall conditions, these detail are not intended as installation instructions. Please refer to the installation instructions provided with the purchased units.

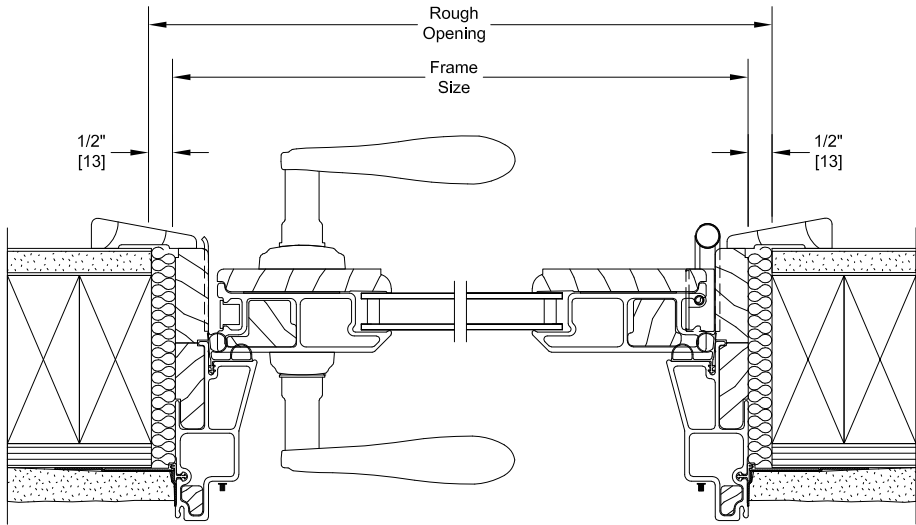
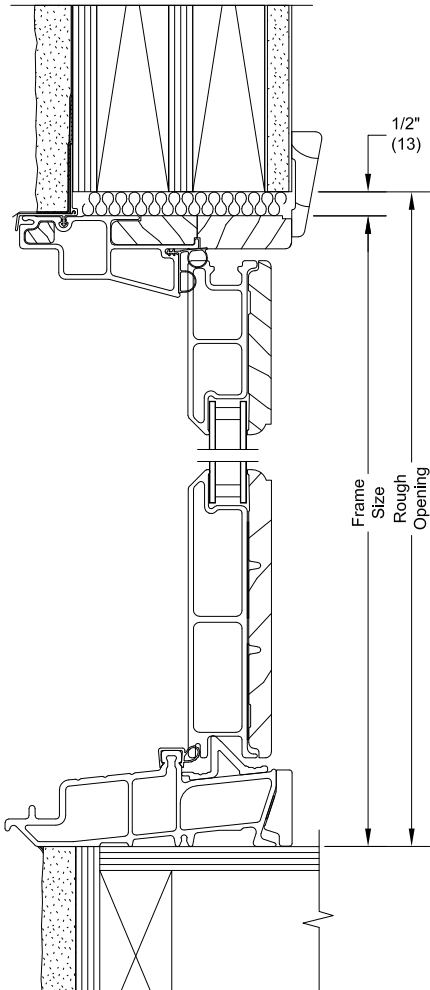
Installation Suggestions: Stucco with 2x4 Frame Construction

Scale: 3" = 1' 0"

Head
Jamb

Sill

Jamb



NOTE: The above wall sections represent typical wall conditions, these detail are not intended as installation instructions. Please refer to the installation instructions provided with the purchased units.