

CHAPTER 14

CLAD COMMERCIAL DOOR

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NOTE:

Specifications and technical data are subject to change without notice.

Allow 1/16" (2) tolerance on all measurements.

Metric measurements are shown in parenthesis.

For accessories dimensions and applications see the Accessories section of this manual.

For technical assistance about Marvin products you may call our Architectural Hotline 1-800-346-3363 or visit our website: www.Marvin.com.

CLAD COMMERCIAL DOOR

UNIT FEATURES – 1 3/4" PANEL AND 2 1/4" PANEL

Frame:

- Interior: Pine wood interior standard. Optional: White Oak, Cherry, Mahogany or Vertical Grain Douglas Fir
- Exterior: Extruded aluminum, .050" (1.3) thick
- Frame thickness: 1 1/16" (27)
- Frame width: 4 9/16" (116)
- Optional Steel Frame – 1 3/4" panel door only: 16 gauge with unequal rabbet. 4 3/4" (121), 5 3/4" (146), 6 3/4" (171), 7 3/4" (197) frame width.
- Sill: Standard factory installed thermal barrier saddle low profile .500" (13) by 7.125" (181) sill. Optional: Thermal barrier saddle low profile .250" (6) by 7.125" (181) sill. Offset saddle low profile .500" (13) by 7.000" (178) sill with .250" (6) offset. Standard finish: Mill Finish Aluminum, optional: Dark Bronze Anodized Aluminum, Gold Anodized Aluminum. Optional: No sill.

Panel:

- Pine wood interior standard. Optional: White Oak, Cherry, Mahogany or Vertical Grain Douglas Fir
- Exterior: Extruded aluminum, .080" (2.0) thick
- Panel thickness: 1 3/4" (44) [2 1/4" (57)]
- Top rail width: 1 3/4" panel – 6" (152) [2 1/4" panel – 8 1/8" (206)]
- Stile width: 6" (152)
- Bottom rail height: 11 3/8" (289)
- 1 3/4" panel removable interior vinyl glazing stops with clear wood covers, no visible fasteners. 2 1/4" panel – Nailed on glazing stops.
- Optional 6" Intermediate rail centered 39 13/16" from finished floor

Interior and Exterior Finish:

- Interior finish: Treated bare wood. Optional: white primed (pine only)
 - Exterior finish: Two coat finish system using Kynar® or Hylar® resins. Meets or exceeds AAMA 2605 requirements.
- Standard Color: Stone White, Bahama Brown, Bronze, Pebble Gray, Evergreen. Select Color: Sierra White, Coconut Cream, French Vanilla, Cashmere, Desert Beige, Cumulus Gray, Cadet Gray, Ebony, Arctic White, Cascade Blue, Cobalt Blue, Hampton Sage, Sherwood Green and Wineberry. Contact your Marvin representative for details on custom colors.

Hardware:

- Hinges: 4 1/2" x 4 1/2" square corner ball bearing hinges. Standard finish color and substrate: Satin Chrome(US26D) over steel substrate. Optional: Satin Chrome finish over Brass Substrate(US26D), Bronze finish over Steel Substrate(US26D), Bronze finish over Brass substrate(US26D), Solid Brass(US3), Stainless Steel(US32D). 1 3/4" panel three hinges per panel up to 85 9/16" (2173) rough opening, four hinges per panel on doors over 85 9/16" (2173) rough opening. 2 1/4" panel: 3 hinges per panel up to 85 9/16" (2173) high, 4 hinges per panel on units over 35 13/16" (910) wide, 4 hinges per panel on units between 85 9/16" (2173) and 95" (2413) high, five hinge per panel on units over 95" (2413) high.
- No lock no bore standard. Optional: closer, rim device, mortise lock, removable mullion and kick plate. Contact your Marvin representative

Weather Stripping:

- Beige bulb type weather strip at top rails and hinge stiles. Optional: Black. Gray pile type weather strip at locking stiles. Brush type sweep with drip at bottom rails, gray bristles

Jamb Extensions:

- Factory applied jamb extensions available for various wall thickness up to 7 9/16". Other jamb depths shipped loose. Finish to match interior

Glass and Glazing:

- Glazing method: Tempered insulating glass, hermetically sealed
- Glazing seal: silicone bedding, exterior
- Standard glazing: Clear. Optional: Low E II with Argon Gas, Bronze, Gray, Reflective Bronze, Obscure, Laminated
- High elevation: Insulating glass will include capillary tube (argon gas not included)

Clad Raised/Flat Panel Option:

- 6" Intermediate Rail constructed of laminated veneer lumber (LVL) core with clear bare pine veneer to the interior and extruded aluminum to the exterior.
- Clad Raised panel exterior is constructed of 1/2" aluminum milled to raised panel profile.
- Clad Flat panel exterior is 1/8" aluminum.
- Interior panel surfaces are constructed of medium density fiberboard (MDF) core with wood laminated veneer, primed or bare wood. Alternative wood species include mahogany, vertical grain Douglas fir, cherry and white oak.
- Two standard placement options are available: Low Placement: 6" Intermediate Rail 26" OC from the bottom of the door sill with 10 3/4" visible panel height. High Placement: 6" Intermediate Rail 39 13/16" OC from the bottom of the door sill with 24 9/16" visible panel height

Interior / Exterior Simulated Divided lites (SDL):

- Interior bar: 7/8" (22) or 1 1/8" (29) wide. Pine wood standard. Optional: White Oak, Cherry, Mahogany, Vertical Grain Douglas Fir. Finish to match panel surface
- Exterior bar: 7/8" (22) or 1 1/8" (29) wide. Extruded aluminum. Finish to match exterior panel surface
- Insulating glass units available with or without aluminum spacer in airspace
- Pattern: rectangular. Custom lite layouts available. Contact your Marvin representative

Grilles-Between-the-Glass (GBG):

- 11/16" (17) white contoured aluminum bar. Optional flat aluminum bar.
- Rectangular lite layout

Removable interior grilles:

- Bar: Pine wood 3/4" (19) or 1 1/8" (29)
- Pattern: Rectangular, custom lite layouts available. Contact your Marvin representative.

Accessories:

- Aluminum drip cap: Stone White, Bahama Brown, Bronze, Pebble Gray, Evergreen
- Installation brackets: 6 3/8" (162), 9 3/8" (238), 15 3/8" (390)
- Masonry brackets: 6" (152), 10" (254)
- Aluminum extrusions: Brick Mould Casing & Flat Casing, various special casings.

NOTE:

Values shown in parenthesis represent metric equivalents.
For product specifications please refer to the CSI Product Specifications, Contact your Marvin Representative.

CLAD COMMERCIAL DOOR

UNIT MEASUREMENTS / MINIMUM AND MAXIMUM MEASUREMENTS

Unit Measurements - Clad Commercial Door - 1 3/4" Panel							
Height							
Unit Type Without Sill	Unit Size	Frame Size	Rough Opening	Masonry Opening	Panel OM	Daylight Opening	Glass Size
7/0	7-0 Height	85 1/16" (2161)	85 9/16" (2173)	85 5/16" (2167)	83" (2108)	65 5/8" (1667)	66 15/16" (1700)
8/0	8-0 Height	97 1/16" (2465)	97 9/16" (2478)	97 5/16" (2472)	95" (2413)	77 5/8" (1972)	78 15/16" (2005)
NOTE: * Rough Opening and Masonry Opening height vary according to sill type applied by others.							
Unit Type With Standard Low Profile Sill							
7/0	7-0 Height	85 1/16" (2161)	85 9/16" (2173)	85 5/16" (2167)	83" (2108)	65 5/8" (1597)	66 15/16" (1700)
8/0	8-0 Height	97 1/16" (2465)	97 9/16" (2478)	97 5/16" (2472)	95" (2472)	77 5/8" (1972)	78 15/16" (2005)
Width							
Unit Type	Unit Size	Frame Size	Rough Opening	Masonry Opening	Panel OM	Daylight Opening	Glass Size
Sidelite	1-6 Width	20 1/8" (514)	21 1/8" (537)	20 5/8" (524)	17 3/4" (451)	11 25/32" (299)	13 3/32" (333)
1 Panel	3-0 Width	38 3/16" (969)	39 3/16" (995)	38 11/16" (982)	35 27/32" (910)	23 7/8" (606)	25 5/32" (639)
1 Panel	3-6 Width	44 3/16" (1122)	45 3/16" (1147)	44 11/16" (1134)	41 27/32" (1063)	29 7/8" (759)	31 5/32" (792)
2 Panel	6-0 Width	74 3/16" (1884)	75 3/16" (1909)	74 11/16" (1892)	35 27/32" (910)	23 7/8" (606)	25 5/32" (639)
2 Panel	7-0 Width	86 3/16" (2189)	87 3/16" (2214)	86 11/16" (2202)	41 27/32" (1063)	29 7/8" (759)	31 5/32" (792)

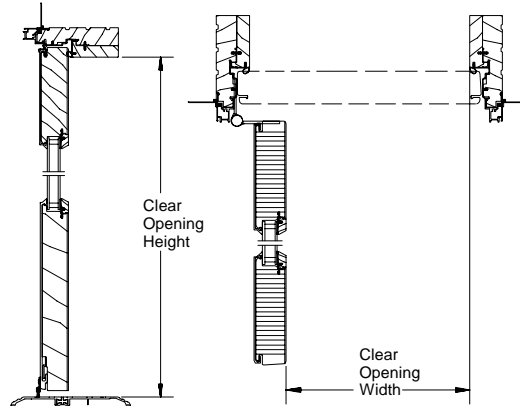
Unit Measurements - Clad Commercial Door - 2 1/4" Panel							
Height							
Unit Type Without Sill	Unit Size	Frame Size	Rough Opening	Masonry Opening	Panel OM	Daylight Opening	Glass Size
7/0	7-0 Height	85 1/16" (2161)	85 9/16" (2173)	85 5/16" (2167)	83" (2108)	63 1/2" (1613)	64 13/16" (1646)
8/0	8-0 Height	97 1/16" (2465)	97 9/16" (2478)	97 5/16" (2472)	95" (2413)	75 1/2" (1918)	76 13/16" (1951)
10/0	10-0 Height	121 1/16" (3075)	121 9/16" (3088)	121 5/16" (3081)	119" (3023)	99 1/2" (2527)	100 13/16" (2560)
Width							
Unit Type	Unit Size	Frame Size	Rough Opening	Masonry Opening	Panel OM	Daylight Opening	Glass Size
Sidelite	1-6 Width	20 1/8" (514)	21 1/8" (537)	20 5/8" (524)	17 3/4" (451)	11 25/32" (299)	13 3/32" (333)
1 Panel	3-0 Width	38 3/16" (969)	39 3/16" (995)	38 11/16" (982)	35 27/32" (910)	23 7/8" (606)	25 5/32" (639)
1 Panel	3-6 Width	44 3/16" (1122)	45 3/16" (1147)	44 11/16" (1134)	41 27/32" (1063)	29 7/8" (759)	31 5/32" (792)
1 Panel	4-0 Width	50 3/16" (1274)	51 3/16" (1299)	50 11/16" (1287)	47 27/32" (1215)	35 7/8" (911)	37 5/32" (944)
2 Panel	6-0 Width	74 3/16" (1884)	75 3/16" (1909)	74 11/16" (1897)	35 27/32" (910)	23 7/8" (606)	25 5/32" (639)
2 Panel	7-0 Width	86 3/16" (2189)	87 3/16" (2214)	86 11/16" (2202)	41 27/32" (1063)	29 7/8" (759)	31 5/32" (792)
2 Panel	8-0 Width	98 3/16" (2494)	99 3/16" (2519)	98 11/16" (2506)	47 27/32" (1215)	35 7/8" (911)	37 5/32" (944)

Minimum and Maximum Measurements				
Unit Type	Minimum RO Width	Minimum RO Height	Maximum RO Width	Maximum RO Height
Clad Commercial Door - 1 3/4" Panel				
Sidelite	14 1/16" (357)	40 9/16" (1030)	51 3/8" (1305)	97 9/16" (2478)
1 - Panel Operator	20" (508)	40 9/16" (1030)	45 3/16" (1148)	97 9/16" (2478)
2 - Panel Operator	36 7/8" (937)	40 9/16" (1030)	87 3/16" (2215)	97 9/16" (2478)
1 - Panel Stationary	20" (508)	40 9/16" (1030)	51 3/8" (1305)	97 9/16" (2478)
2 - Panel Stationary	36 7/8" (937)	40 9/16" (1030)	87 3/16" (2215)	97 9/16" (2478)
Maximum Square Footage 25 (635) Sq. Ft. of Glass per Panel				
Clad Commercial Door - 2 1/4" Panel				
Sidelite	14 1/16" (357)	40 9/16" (1030)	51 3/8" (1305)	121 9/16" (3088)
1 - Panel Operator	20" (508)	40 9/16" (1030)	51 3/16" (1300)	121 9/16" (3088)
2 - Panel Operator	36 7/8" (937)	40 9/16" (1030)	99 3/16" (2519)	121 9/16" (3088)
1 - Panel Stationary	20" (508)	40 9/16" (1030)	51 3/8" (1305)	121 9/16" (3088)
2 - Panel Stationary	36 7/8" (937)	40 9/16" (1030)	99 3/16" (2519)	121 9/16" (3088)
Maximum Square Footage 60.999 (1778) Sq. Ft. of Glass per Panel				
Clad and Wood Direct Glaze Transom - Stand Alone				
Stand Alone	14 1/2" (368)	12 1/2" (318)	102 9/16" (2605)	96" (2438)
Clad and Wood In Sash Transom - Stand Alone				
1 Frame / 1 Sash	20" (508)	14 3/16" (360)	51 3/8" (1305)	60 1/2" (1536)
1 Frame / 2 Sash	36 7/8" (937)	14 3/16" (360)	99 1/2" (2527)	48 1/2" (1231)

CLAD COMMERCIAL DOOR

NET CLEAR OPENING / PANEL HINGING CONFIGURATIONS

Net Clear Openings		
Commercial Door - 1 3/4" Panel		
Height		
Unit Type	Unit Size	Net Clear Openings
7/0	7-0 Height	82 13/16" (2103)
8/0	8-0 Height	94 13/16" (2408)
Width		
Unit Type	Unit Size	Net Clear Openings
1 Panel	3-0 Width	32 7/8" (835)
1 Panel	3-6 Width	38 7/8" (987)
2 Panel	6-0 Width	67 3/32" (1704)
2 Panel	7-0 Width	79 3/32" (2009)
Commercial Door - 2 1/4" Panel		
Height		
Unit Type	Unit Size	Net Clear Openings
7/0	7-0 Height	82 13/16" (2103)
8/0	8-0 Height	94 13/16" (2408)
10/0	10-0 Height	118 13/16" (3018)
Width		
Unit Type	Unit Size	Net Clear Openings
1 Panel	3-0 Width	32 3/8" (822)
1 Panel	3-6 Width	38 3/8" (978)
1 Panel	4-0 Width	44 3/8" (1127)
2 Panel	6-0 Width	66 1/16" (1678)
2 Panel	7-0 Width	78 1/16" (1983)
2 Panel	8-0 Width	90 1/16" (2288)



NOTE: Figures above represent units with Low Profile Sill.

International Building Code - 2006

For Specific Guidelines refer to codes:

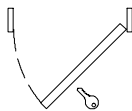
IBC 2006 Section 1008

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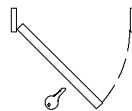
IRC 2006 Section 310

Code restrictions may vary depending on your local building codes.
For further information contact your Marvin representative.

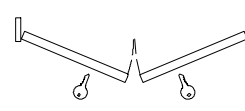
Panel Hinging Configurations



X - RHR



X - LHR



XX - RHRA

NOTE:

Keyed side

RHR - right hand reverse

LHR - left hand reverse

RHRA - right hand reverse active

X - Door

Hinge side determines handing as viewed from the keyed side.

X - RHR - hinge is on the right side and the door is pulled to open.

X - LHR - hinge is on the left side and the door is pulled to open.

XX - Door

Right side is designated as active due to traffic flow.

XX - RHRA - from the keyed side the door is pulled to open.

CLAD COMMERCIAL DOOR

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MEASUREMENT CONVERSIONS

Measurement Conversions - 1 3/4" Panel - 1 Panel with Standard Low Profile Sill															
Size Referenced	Daylight Opening		Glass Size		Frame Size		Rough Opening		Masonry Opening (Without Casing)		Masonry Opening (With Brick Mould Casing)		Masonry Opening (With Flat Casing)		
Daylight Opening	Dimension Needed														
			Width	+ 1 5/16" (33)	Width	+ 14 5/16" (364)	Width	+ 15 5/16" (389)	Width	+ 14 13/16" (376)	Width	+ 17 7/16" (443)	Width	+ 20 13/16" (529)	
Glass Size			Height	+ 1 5/16" (33)	Height	+ 19 7/16" (494)	Height	+ 19 15/16" (506)	Height	+ 19 11/16" (500)	Height	+ 21" (533)	Height	+ 22 11/16" (576)	
	Width	- 1 5/16" (33)				Width	+ 13" (330)	Width	+ 14" (356)	Width	+ 13 1/2" (343)	Width	+ 16 1/8" (410)	Width	+ 19 17/32" (496)
Frame Size	Height	- 1 5/16" (33)				Height	+ 18 1/8" (460)	Height	+ 18 5/8" (473)	Height	+ 18 3/8" (467)	Height	+ 19 11/16" (500)	Height	+ 21 3/8" (543)
	Width	- 14 5/16" (364)	Width	- 13 1/32" (331)				Width	+ 1" (25)	Width	+ 1/2" (13)	Width	+ 3 1/8" (79)	Width	+ 6 1/2" (165)
Rough Opening	Height	- 19 7/16" (494)	Height	- 18 1/8" (460)				Height	+ 1/2" (13)	Height	+ 1/4" (6)	Height	+ 1 9/16" (40)	Height	+ 3 1/4" (83)
	Width	- 15 5/16" (389)	Width	- 14" (356)	Width	- 1" (25)				Width	- 1/2" (13)	Width	+ 2 1/8" (54)	Width	+ 5 1/2" (140)
Masonry Opening (Without Casing)	Height	- 19 15/16" (506)	Height	- 18 5/8" (473)	Height	- 1/2" (13)				Height	- 1/4" (6)	Height	+ 1 1/16" (27)	Height	+ 2 3/4" (70)
	Width	- 14 13/16" (376)	Width	- 13 17/32" (344)	Width	- 1/2" (13)	Width	+ 1/2" (13)				Width	+ 2 5/8" (67)	Width	+ 6" (152)
Masonry Opening (With Brick Mould Casing)	Height	- 19 11/16" (500)	Height	- 18 3/8" (467)	Height	- 1/4" (6)	Height	+ 1/4" (6)				Height	+ 1 5/16" (33)	Height	+ 3" (76)
	Width	- 17 15/16" (456)	Width	- 16 5/32" (410)	Width	- 3 1/8" (79)	Width	- 2 1/8" (54)	Width	- 2 5/8" (67)				Width	+ 3 3/8" (86)
Masonry Opening (With Flat Casing)	Height	- 21" (533)	Height	- 19 11/16" (500)	Height	- 1 9/16" (40)	Height	- 1 1/16" (27)	Height	- 1 5/16" (33)				Height	+ 1 11/16" (43)
	Width	- 21 5/16" (541)	Width	- 19 17/32" (496)	Width	- 6 1/2" (165)	Width	- 5 1/2" (140)	Width	- 6" (152)	Width	- 3 3/8" (86)			
	Height	- 22 11/16" (576)	Height	- 21 3/8" (543)	Height	- 3 1/4" (83)	Height	- 2 3/4" (70)	Height	- 3" (76)	Height	- 1 11/16" (43)			

NOTE: Measurement conversions above represent commercial doors with factory applied Standard Low Profile Sill. For doors without sill, jamb is extended 7/8" (22) beyond panel edge for field applied sill.

Measurement Conversions - 1 3/4" Panel - 2 Panel with Standard Low Profile Sill														
Size Referenced	Daylight Opening (DLO)		Glass Size (GS)		Frame Size		Rough Opening		Masonry Opening (Without Casing)		Masonry Opening (With Brick Mould Casing)		Masonry Opening (With Flat Casing)	
Daylight Opening (DLO)	Dimension Needed													
			Width	+ 1 5/16" (33)	Width	DLO x 2 + 26 1/2" (673)	Width	DLO x 2 + 27" (686)	Width	DLO x 2 + 27 1/2" (699)	Width	DLO x 2 + 29 5/8" (752)	Width	DLO x 2 +33" (813)
			Height	+ 1 5/16" (33)	Height	+ 19 7/16" (494)	Height	+ 19 15/16" (506)	Height	+ 19 11/16" (500)	Height	+ 21" (533)	Height	+22 11/16" (576)
Glass Size (GS)	Width	- 1 5/16" (33)			Width	GS x 2 + 23 7/8" (606)	Width	GS x 2 + 24 7/8" (632)	Width	GS x 2 + 23 7/8" (606)	Width	GS x 2 + 27" (686)	Width	GS x 2 + 30 3/8" (772)
	Height	- 1 5/16" (33)			Height	+ 18 1/8" (460)	Height	+ 18 5/8" (473)	Height	+ 18 3/8" (467)	Height	+ 19 11/16" (500)	Height	+ 21 3/8" (543)
Frame Size	Width	DLO x 2 - 26 7/16" (672)	Width	GS x 2 - 23 7/8" (606)			Width	+ 1" (25)	Width	+ 1/2" (13)	Width	+ 3 1/8" (79)	Width	+ 6 1/2" (165)
	Height	- 19 7/16" (494)	Height	- 18 1/8" (460)			Height	+ 1/2" (13)	Height	+ 1/4" (6)	Height	+ 1 9/16" (40)	Height	+ 3 1/4" (83)
Rough Opening	Width	DLO x 2 - 27" (686)	Width	GS x 2 - 24 7/8" (632)	Width	- 1" (25)			Width	- 1/2" (13)	Width	+ 2 1/8" (54)	Width	+ 5 1/2" (140)
	Height	- 19 15/16" (506)	Height	- 18 5/8" (473)	Height	- 1/2" (13)			Height	- 1/4" (6)	Height	+ 1 1/16" (27)	Height	+ 2 3/4" (70)
Masonry Opening (Without Casing)	Width	DLO x 2 - 27 1/2" (699)	Width	GS x 2 - 23 7/8" (606)	Width	- 1/2" (13)	Width	+ 1/2" (13)			Width	+ 2 5/8" (67)	Width	+ 6" (152)
	Height	- 19 11/16" (500)	Height	- 18 3/8" (467)	Height	- 1/4" (6)	Height	+ 1/4" (6)			Height	+ 1 5/16" (33)	Height	+ 3" (76)
Masonry Opening (With Brick Mould Casing)	Width	DLO x 2 - 29 5/8" (752)	Width	GS x 2 - 27" (686)	Width	- 3 1/8" (79)	Width	- 2 1/8" (54)	Width	- 2 5/8" (67)			Width	+ 3 3/8" (86)
	Height	- 21" (533)	Height	- 19 11/16" (500)	Height	- 1 9/16" (40)	Height	- 1 1/16" (27)	Height	- 1 5/16" (33)			Height	+ 1 11/16" (43)
Masonry Opening (With Flat Casing)	Width	DLO x 2 - 33" (813)	Width	GS x 2 - 30 3/8" (772)	Width	- 6 1/2" (165)	Width	-5 1/2" (140)	Width	- 6" (152)	Width	- 3 3/8" (86)		
	Height	- 22 11/16" (576)	Height	- 21 3/8" (543)	Height	- 3 1/4" (83)	Height	- 2 3/4" (70)	Height	- 3" (76)	Height	- 1 11/16" (43)		

NOTE: Measurement conversions above represent commercial doors with factory applied Standard Low Profile Sill. For doors without sill, jamb is extended 7/8" (22) beyond panel edge for field applied sill.

CLAD COMMERCIAL DOOR

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MEASUREMENT CONVERSIONS

Measurement Conversions - 2 1/4" Panel - 1 Panel with Standard Low Profile Sill															
Size Referenced	Daylight Opening		Glass Size		Frame Size		Rough Opening		Masonry Opening (Without Casing)		Masonry Opening (With Brick Mould Casing)		Masonry Opening (With Flat Casing)		
Daylight Opening	Dimension Needed														
			Width	+ 1 5/16" (33)	Width	+ 14 5/16" (364)	Width	+ 15 5/16" (389)	Width	+ 14 13/16" (376)	Width	+ 17 7/16" (443)	Width	+ 20 13/16" (529)	
Glass Size			Height	+ 1 5/16" (33)	Height	+ 21 19/32" (548)	Height	+ 22 17/32" (572)	Height	+ 21 27/32" (555)	Height	+ 23 5/32" (588)	Height	+ 24 27/32" (631)	
	Width	- 1 5/16" (33)				Width	+ 13 " (330)	Width	+ 14 " (356)	Width	+ 13 1/2" (343)	Width	+ 16 1/8" (410)	Width	+ 19 17/32" (496)
Frame Size	Height	- 1 5/16" (33)				Height	+ 20 9/32" (515)	Height	+ 20 25/32" (528)	Height	+ 20 17/32" (520)	Height	+ 21 27/32" (520)	Height	+ 23 17/32" (593)
	Width	- 14 5/16" (364)	Width	- 13 1/32" (331)				Width	+ 1" (25)	Width	+ 1/2" (13)	Width	+ 3 1/8" (79)	Width	+ 6 1/2" (165)
Rough Opening	Height	- 21 19/32" (548)	Height	- 20 9/32" (515)				Height	+ 1/2" (13)	Height	+ 1/4" (6)	Height	+ 1 9/16" (40)	Height	+ 3 1/4" (83)
	Width	- 15 5/16" (389)	Width	- 14" (356)	Width	- 1" (25)				Width	- 1/2" (13)	Width	+ 2 1/8" (54)	Width	+ 5 1/2" (140)
Masonry Opening (Without Casing)	Height	- 22 17/32" (572)	Height	- 20 25/32" (528)	Height	- 1/2" (13)				Height	- 1/4" (6)	Height	+ 1 1/16" (27)	Height	+ 2 3/4" (70)
	Width	- 14 13/16" (376)	Width	- 13 17/32" (344)	Width	- 1/2" (13)	Width	+ 1/2" (13)				Width	+ 2 5/8" (67)	Width	+ 6" (152)
Masonry Opening (With Brick Mould Casing)	Height	- 21 27/32" (588)	Height	- 20 17/32" (521)	Height	- 1/4" (6)	Height	+ 1/4" (6)				Height	+ 1 5/16" (33)	Height	+ 3" (76)
	Width	- 17 15/16" (456)	Width	- 16 5/32" (410)	Width	- 3 1/8" (79)	Width	- 2 1/8" (54)	Width	- 2 5/8" (67)				Width	+ 3 3/8" (86)
Masonry Opening (With Flat Casing)	Height	- 23 5/32" (588)	Height	- 21 27/32" (555)	Height	- 1 9/16" (40)	Height	- 1 1/16" (27)	Height	- 1 5/16" (33)				Height	+ 1 11/16" (43)
	Width	- 21 5/16" (541)	Width	- 19 17/32" (496)	Width	- 6 1/2" (165)	Width	-5 1/2" (140)	Width	- 6" (152)	Width	- 3 3/8" (86)			
	Height	- 24 27/32" (631)	Height	- 23 17/32" (598)	Height	- 3 1/4" (83)	Height	- 2 3/4" (70)	Height	- 3" (76)	Height	- 1 11/16" (43)			

NOTE: Measurement conversions above represent commercial doors with factory applied Standard Low Profile Sill. For doors without sill, jamb is extended 7/8" (22) beyond panel edge for field applied sill.

Measurement Conversions - 2 1/4" Panel - 2 Panel with Standard Low Profile Sill														
Size Referenced	Daylight Opening (DLO)		Glass Size (GS)		Frame Size		Rough Opening		Masonry Opening (Without Casing)		Masonry Opening (With Brick Mould Casing)		Masonry Opening (With Flat Casing)	
Daylight Opening (DLO)	Dimension Needed													
			Width	+ 1 5/16" (33)	Width	DLO x 2 + 26 1/2" (673)	Width	DLO x 2 + 27" (686)	Width	DLO x 2 + 27 1/2" (699)	Width	DLO x 2 + 29 5/8" (752)	Width	DLO x 2 +33" (813)
Glass Size (GS)			Height	+ 1 5/16" (33)	Height	+ 21 19/32" (548)	Height	+ 22 17/32" (572)	Height	+ 21 27/32" (555)	Height	+ 23 5/32" (588)	Height	+ 24 27/32" (631)
	Width	- 1 5/16" (33)			Width	GS x 2 + 23 7/8" (606)	Width	GS x 2 + 24 7/8" (632)	Width	GS x 2 + 23 7/8" (606)	Width	GS x 2 + 27" (686)	Width	GS x 2 + 30 3/8" (772)
Frame Size	Height	- 1 5/16" (33)			Height	+ 20 9/32" (515)	Height	+ 20 25/32" (528)	Height	+ 20 17/32" (520)	Height	+ 21 27/32" (520)	Height	+ 23 17/32" (593)
	Width	DLO x 2 - 26 7/16" (672)	Width	GS x 2 - 23 7/8" (606)			Width	+ 1" (25)	Width	+ 1/2" (13)	Width	+ 3 1/8" (79)	Width	+ 6 1/2" (165)
Rough Opening	Height	- 21 19/32" (548)	Height	- 20 9/32" (515)			Height	+ 1/2" (13)	Height	+ 1/4" (6)	Height	+ 1 9/16" (40)	Height	+ 3 1/4" (83)
	Width	DLO x 2 - 27" (686)	Width	GS x 2 - 24 7/8" (632)	Width	- 1" (25)			Width	- 1/2" (13)	Width	+ 2 1/8" (54)	Width	+ 5 1/2" (140)
Masonry Opening (Without Casing)	Height	- 22 17/32" (572)	Height	- 20 25/32" (528)	Height	- 1/2" (13)			Height	- 1/4" (6)	Height	+ 1 1/16" (27)	Height	+ 2 3/4" (70)
	Width	DLO x 2 - 27 1/2" (699)	Width	GS x 2 - 23 7/8" (606)	Width	- 1/2" (13)	Width	+ 1/2" (13)			Width	+ 2 5/8" (67)	Width	+ 6" (152)
Masonry Opening (With Brick Mould Casing)	Height	- 21 27/32" (588)	Height	- 20 17/32" (521)	Height	- 1/4" (6)	Height	+ 1/4" (6)			Height	+ 1 5/16" (33)	Height	+ 3" (76)
	Width	DLO x 2 - 29 5/8" (752)	Width	GS x 2 - 27" (686)	Width	- 3 1/8" (79)	Width	- 2 1/8" (54)	Width	- 2 5/8" (67)			Width	+ 3 3/8" (86)
Masonry Opening (With Flat Casing)	Height	- 23 5/32" (588)	Height	- 21 27/32" (555)	Height	- 1 9/16" (40)	Height	- 1 1/16" (27)	Height	- 1 5/16" (33)			Height	+ 1 11/16" (43)
	Width	DLO x 2 - 33" (813)	Width	GS x 2 - 30 3/8" (772)	Width	- 6 1/2" (165)	Width	-5 1/2" (140)	Width	- 6" (152)	Width	- 3 3/8" (86)		
	Height	- 24 27/32" (631)	Height	- 23 17/32" (598)	Height	- 3 1/4" (83)	Height	- 2 3/4" (70)	Height	- 3" (76)	Height	- 1 11/16" (43)		

NOTE: Measurement conversions above represent commercial doors with factory applied Standard Low Profile Sill. For doors without sill, jamb is extended 7/8" (22) beyond panel edge for field applied sill.

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MEASUREMENT CONVERSIONS: TRANSOM

Measurement Conversions - Transom 1 Frame - 1 Sash Stand Alone														
Size Referenced	Daylight Opening		Glass Size		Frame Size		Rough Opening		Masonry Opening (Without Casing)		Masonry Opening (With Brick Mould Casing)		Masonry Opening (With Flat Casing)	
	Dimension Needed													
Daylight Opening			Width	+ 1 5/16" (33)	Width	+ 11 27/32" (301)	Width	+ 12 27/32" (326)	Width	+ 12 11/32" (314)	Width	+ 14 31/32" (380)	Width	+ 18 11/32" (466)
			Height	+ 1 5/16" (33)	Height	+ 8 11/16" (221)	Height	+ 9 3/16" (233)	Height	+ 8 15/16" (227)	Height	+ 10 15/16" (278)	Height	+ 12 9/16" (319)
Glass Size	Width	- 1 5/16" (33)			Width	+ 10 17/32" (267)	Width	+ 11 17/32" (293)	Width	+ 11 1/32" (280)	Width	+ 13 21/32" (347)	Width	+ 17 6/32" (433)
	Height	- 1 5/16" (33)			Height	+ 7 3/8" (187)	Height	+ 7 7/8" (200)	Height	+ 7 5/8" (194)	Height	+ 9 5/8" (243)	Height	+ 11 1/4" (286)
Frame Size	Width	- 11 27/32" (301)	Width	- 10 11/32" (267)			Width	+ 1" (25)	Width	+ 1/2" (13)	Width	+ 3 1/8" (79)	Width	+ 6 1/2" (165)
	Height	- 8 11/16" (221)	Height	- 7 3/8" (187)			Height	+ 1/2" (13)	Height	+ 1/4" (6)	Height	+ 2 1/4" (57)	Height	+ 3 7/8" (98)
Rough Opening	Width	- 12 27/32" (326)	Width	- 11 17/32" (293)	Width	- 1" (25)			Width	- 1/2" (13)	Width	+ 2 1/8" (54)	Width	+ 5 1/2" (140)
	Height	- 9 3/16" (233)	Height	- 7 7/8" (200)	Height	- 1/2" (13)			Height	- 1/4" (6)	Height	+ 1 3/4" (44)	Height	+ 3 3/8" (86)
Masonry Opening (Without Casing)	Width	- 12 11/32" (314)	Width	- 11 1/32" (280)	Width	- 1/2" (13)	Width	+ 1/2" (13)			Width	+ 2 5/8" (67)	Width	+ 6" (152)
	Height	- 8 15/16" (227)	Height	- 7 5/8" (194)	Height	- 1/4" (6)	Height	+ 1/4" (6)			Height	+ 1 15/16" (49)	Height	+ 3 5/8" (92)
Masonry Opening (With Brick Mould Casing)	Width	- 14 31/32" (380)	Width	- 13 21/32" (347)	Width	- 3 1/8" (79)	Width	- 2 1/8" (54)	Width	- 2 5/8" (67)			Width	+ 3 3/8" (86)
	Height	- 10 15/16" (278)	Height	- 9 5/8" (243)	Height	- 2 1/4" (57)	Height	- 1 3/4" (44)	Height	- 1 15/16" (49)			Height	+ 1 11/16" (43)
Masonry Opening (With Flat Casing)	Width	- 18 11/32" (466)	Width	- 17 1/32" (433)	Width	- 6 1/2" (165)	Width	-5 1/2" (140)	Width	- 6" (152)	Width	- 3 3/8" (86)		
	Height	- 12 9/16" (319)	Height	- 11 1/4" (286)	Height	- 3 7/8" (98)	Height	- 3 3/8" (86)	Height	- 3 5/8" (92)	Height	- 1 11/16" (43)		

NOTE: For mulled unit conversions contact your Marvin representative.

Measurement Conversions - Transom 1 Frame - 2 Sash Stand Alone															
Size Referenced	Daylight Opening		Glass Size		Frame Size		Rough Opening		Masonry Opening (Without Casing)		Masonry Opening (With Brick Mould Casing)		Masonry Opening (With Flat Casing)		
Daylight Opening	Dimension Needed														
			Width	+ 1 5/16" (33)	Width	DLO x 2 + 21 7/16" (545)	Width	DLO x 2 + 22 7/16" (570)	Width	DLO x 2 + 21 15/16" (557)	Width	DLO x 2 + 24 9/16" (624)	Width	DLO x 2 + 27 15/16" (710)	
Glass Size			Height	+ 1 5/16" (33)	Height	+ 8 11/16" (221)	Height	+ 9 3/16" (233)	Height	+ 8 15/16" (227)	Height	+ 10 7/8" (276)	Height	+ 12 9/16" (319)	
	Width	- 1 5/16" (33)				Width	GS x 2 + 18 13/16" (478)	Width	GS x 2 + 19 13/16" (503)	Width	GS x 2 + 19 5/16" (491)	Width	GS x 2 + 21 15/16" (557)	Width	GS x 2 + 25 5/16" (643)
Frame Size	Height	- 1 5/16" (33)				Height	+ 7 3/8" (187)	Height	+ 7 7/8" (200)	Height	+ 7 5/8" (194)	Height	+ 9 9/16" (243)	Height	+ 11 1/4" (286)
	Width	- 21 7/16" + 2 (545)	Width	- 18 13/16" + 2 (478)				Width	+ 1" (25)	Width	+ 1/2" (13)	Width	+ 3 1/8" (79)	Width	+ 6 1/2" (165)
Rough Opening	Height	- 8 11/16" (221)	Height	- 7 3/8" (187)				Height	+ 1/2" (13)	Height	+ 1/4" (6)	Height	+ 2 3/16" (55)	Height	+ 3 7/8" (98)
	Width	- 22 7/16" + 2 (570)	Width	- 19 13/16" + 2 (503)	Width	- 1" (25)				Width	- 1/2" (13)	Width	+ 2 1/8" (54)	Width	+ 5 1/2" (140)
Masonry Opening (Without Casing)	Height	- 9 3/16" (233)	Height	- 7 7/8" (200)	Height	- 1/2" (13)				Height	- 1/4" (6)	Height	+ 1 11/16" (43)	Height	+ 3 3/8" (86)
	Width	- 21 15/16" + 2 (557)	Width	- 19 5/16" + 2 (491)	Width	- 1/2" (13)	Width	+ 1/2" (13)				Width	+ 2 5/8" (67)	Width	+ 6" (152)
Masonry Opening (With Brick Mould Casing)	Height	- 8 15/16" (227)	Height	- 7 5/8" (194)	Height	- 1/4" (6)	Height	+ 1/4" (6)				Height	+ 1 15/16" (49)	Height	+ 3 5/8" (92)
	Width	- 24 9/16" + 2 (624)	Width	- 21 15/16" + 2 (557)	Width	- 3 1/8" (79)	Width	- 2 1/8" (54)	Width	- 2 5/8" (67)				Width	+ 3 3/8" (86)
Masonry Opening (With Flat Casing)	Height	- 10 7/8" (276)	Height	- 9 9/16" (243)	Height	- 2 3/16" (55)	Height	- 1 11/16" (27)	Height	- 1 15/16" (49)				Height	+ 1 11/16" (43)
	Width	- 27 15/16" + 2 (710)	Width	- 25 5/16" + 2 (643)	Width	- 6 1/2" (165)	Width	-5 1/2" (140)	Width	- 6" (152)	Width	- 3 3/8" (86)			
	Height	- 12 9/16" (319)	Height	- 11 1/4" (286)	Height	- 3 7/8" (98)	Height	- 3 3/8" (86)	Height	- 3 5/8" (92)	Height	- 1 11/16" (43)			

NOTE: For mulled unit conversions contact your Marvin representative.

MEASUREMENT CONVERSIONS: TRANSOM


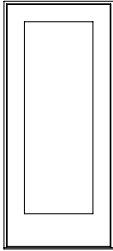
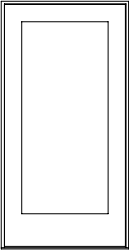
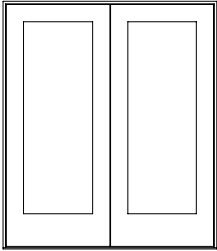
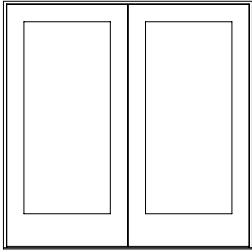
14.8

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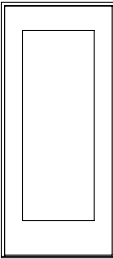
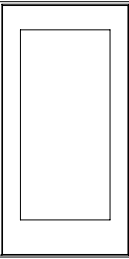
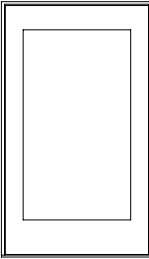
ELEVATIONS: 1 3/4" PANEL AND 2 1/4" PANEL, DOOR HANDING

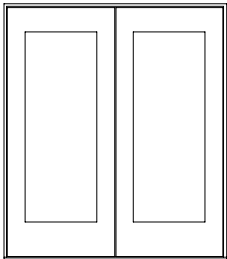
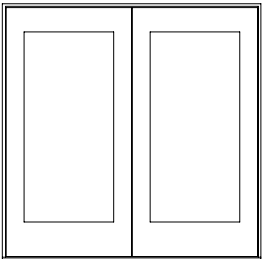
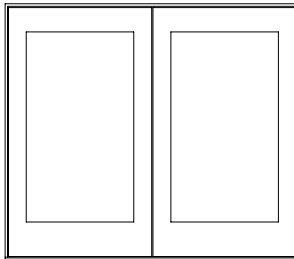
CAUTION: Marvin SillGuard™ not recommended for Commercial Door.

1 3/4" Panel

Mas. Opg.	1-8 5/8 (524)	3-2 11/16 (982)	3-8 11/16(1134)	6-2 11/16(1897)	7-2 11/16(2202)
Rgh. Opg.	1-9 1/8 (537)	3-3 3/16 (995)	3-9 3/16 (1147)	6-3 3/16 (1909)	7-3 3/16 (2214)
Frame Size	1-8 1/8 (511)	3-2 3/16 (969)	3-8 3/16 (1122)	6-2 3/16 (1884)	7-2 3/16 (2189)
Glass Size	13 3/32" (333)	25 5/32" (639)	31 5/32" (792)	25 5/32" (639)	31 5/32" (792)
7/0	8-1 5/16 (2167)	7-1 5/16 (2173)	7-1 1/16 (2161)	66 15/16(1700)	
8/0	8-1 5/16 (2472)	8-1 9/16 (2478)	8-1 1/16 (2465)	78 15/16(2005)	
					
	CCD1670 CCD1680	CCD3070 CCD3080	CCD3670 CCD3680	CCD6070 CCD6080	CCD7070 CCD7080

2 1/4" Panel

Mas. Opg.	1-8 5/8 (524)	3-2 11/16 (982)	3-8 11/16(1134)	4-2 11/16(1287)
Rgh. Opg.	1-9 1/8 (537)	3-3 3/16 (995)	3-9 3/16 (1147)	4-3 3/16 (1299)
Frame Size	1-8 1/8 (511)	3-2 3/16 (969)	3-8 3/16 (1122)	4-2 3/16 (1274)
Glass Size	13 3/32" (333)	25 5/32" (639)	31 5/32" (792)	37 5/32" (944)
7/0	8-1 5/16 (2167)	7-1 5/16 (2173)	7-1 1/16 (2161)	64 13/16" (1646)
8/0	8-1 5/16 (2472)	8-1 9/16 (2478)	8-1 1/16 (2465)	76 13/16" (1951)
10/0	10-1 5/16(3081)	10-1 9/16(3088)	10-1 1/16(3075)	100 13/16" (2560)
				
	CMCD1670 CMCD1680 CMCD16100	CMCD3070 CMCD3080 CMCD30100	CMCD3670 CMCD3680 CMCD36100	CMCD4070 CMCD4080 CMCD40100

Mas. Opg.	6-2 11/16(1897)	7-2 11/16(2202)	8-2 11/16(2506)
Rgh. Opg.	6-3 3/16 (1909)	7-3 3/16 (2214)	8-3 3/16 (2519)
Frame Size	6-2 3/16 (1884)	7-2 3/16 (2189)	8-2 3/16 (2494)
Glass Size	25 5/32" (639)	31 5/32" (792)	37 5/32" (944)
7/0	8-1 5/16 (2167)	7-1 5/16 (2173)	7-1 1/16 (2161)
8/0	8-1 5/16 (2472)	8-1 9/16 (2478)	8-1 1/16 (2465)
10/0	10-1 5/16(3081)	10-1 9/16(3088)	10-1 1/16(3075)
			
	CMCD6070 CMCD6080 CMCD60100	CMCD7070 CMCD7080 CMCD70100	CMCD8070 CMCD8080 CMCD80100

NOTE: Metric dimensions shown in parentheses.

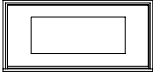
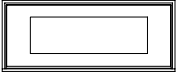
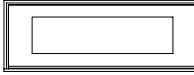
CLAD COMMERCIAL DOOR

ELEVATIONS: IN SASH TRANSOM AND DIRECT GLAZE TRANSOM

CAUTION: It is recommended that a minimum of 1/4" be added to the rough opening height when using a rigid sill pan product such as Marvin SillGuard™.

In Sash Transom: 1 Frame / 1 Sash

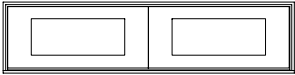
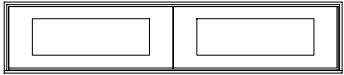
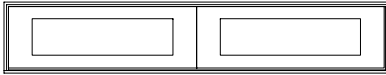
Mas. Opg.	3-2 11/16 (982)	3-8 11/16(1134)	4-2 11/16(1287)
Rgh. Opg.	3-3 3/16 (995)	3-9 3/16 (1147)	4-3 3/16 (1299)
Frame Size	3-2 3/16 (969)	3-8 3/16 (1122)	4-2 3/16 (1274)
Glass Size	25 5/32" (639)	31 5/32" (792)	37 5/32" (944)

1/6	1-6 1/4 (464)			
	1-6 1/2 (470)			
	1-6 (457)			
	10 5/8" (270)			
2/0	2-0 1/4 (616)			
	2-0 1/2 (622)			
	2-0 (610)			
	16 5/8" (422)			
2/6	2-6 1/4 (768)			
	2-6 1/2 (775)			
	2-6 (762)			
	22 5/8" (575)			

CCDIST3016	CCDIST3616	CCDIST4016
CCDIST3020	CCDIST3620	CCDIST4020
CCDIST3026	CCDIST3626	CCDIST4026

In Sash Transom: 1 Frame / 2 Sash




Mas. Opg.	6-2 11/16(1897)	7-2 11/16(2202)	8-2 11/16(2506)
Rgh. Opg.	6-3 3/16 (1909)	7-3 3/16 (2214)	8-3 3/16 (2519)
Frame Size	6-2 3/16 (1884)	7-2 3/16 (2189)	8-2 3/16 (2494)
Glass Size	25 5/32" (639)	31 5/32" (792)	37 5/32" (944)

1/6	1-6 1/4 (464)			
	1-6 1/2 (470)			
	1-6 (457)			
	10 5/8" (270)			
2/0	2-0 1/4 (616)			
	2-0 1/2 (622)			
	2-0 (610)			
	16 5/8" (422)			
2/6	2-6 1/4 (768)			
	2-6 1/2 (775)			
	2-6 (762)			
	22 5/8" (575)			

CCDIST6016	CCDIST7016	CCDIST8016
CCDIST6020	CCDIST7020	CCDIST8020
CCDIST6026	CCDIST7026	CCDIST8026

Direct Glaze Transom

Mas. Opg.	3-2 11/16 (982)	3-8 11/16(1134)	4-2 11/16(1287)
Rgh. Opg.	3-3 3/16 (995)	3-9 3/16 (1147)	4-3 3/16 (1299)
Frame Size	3-2 3/16 (969)	3-8 3/16 (1122)	4-2 3/16 (1274)
Glass Size	36 19/32" (930)	42 19/32"(1082)	48 19/32"(1234)

1/0	1-0 1/4 (311)			
	1-0 1/2 (318)			
	1-0 (305)			
	10 7/16" (265)			
1/2	1-2 1/4 (362)			
	1-2 1/2 (368)			
	1-2 (356)			
	12 7/16" (316)			
1/6	1-6 1/4 (464)			
	1-6 1/2 (470)			
	1-6 (457)			
	16 7/16" (418)			

CCDTR3010	CCDTR3610	CCDTR4010
CCDTR3012	CCDTR3612	CCDTR4012
CCDTR3016	CCDTR3616	CCDTR4016

6-2 11/16(1897)	7-2 11/16(2202)
6-3 3/16 (1909)	7-3 3/16 (2214)
6-2 3/16 (1884)	7-2 3/16 (2189)
72 5/8" (1844)	84 5/8" (2149)

CCDTR6010	CCDTR7010
CCDTR6012	CCDTR7012
CCDTR6016	CCDTR7016

8-2 11/16(2506)
8-3 3/16 (2519)
8-2 3/16 (2494)
96 5/8" (2454)

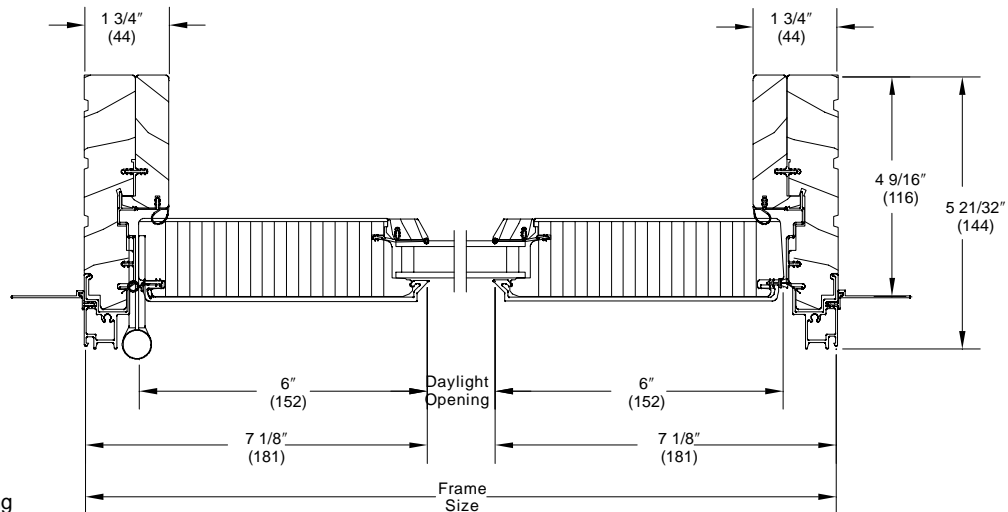
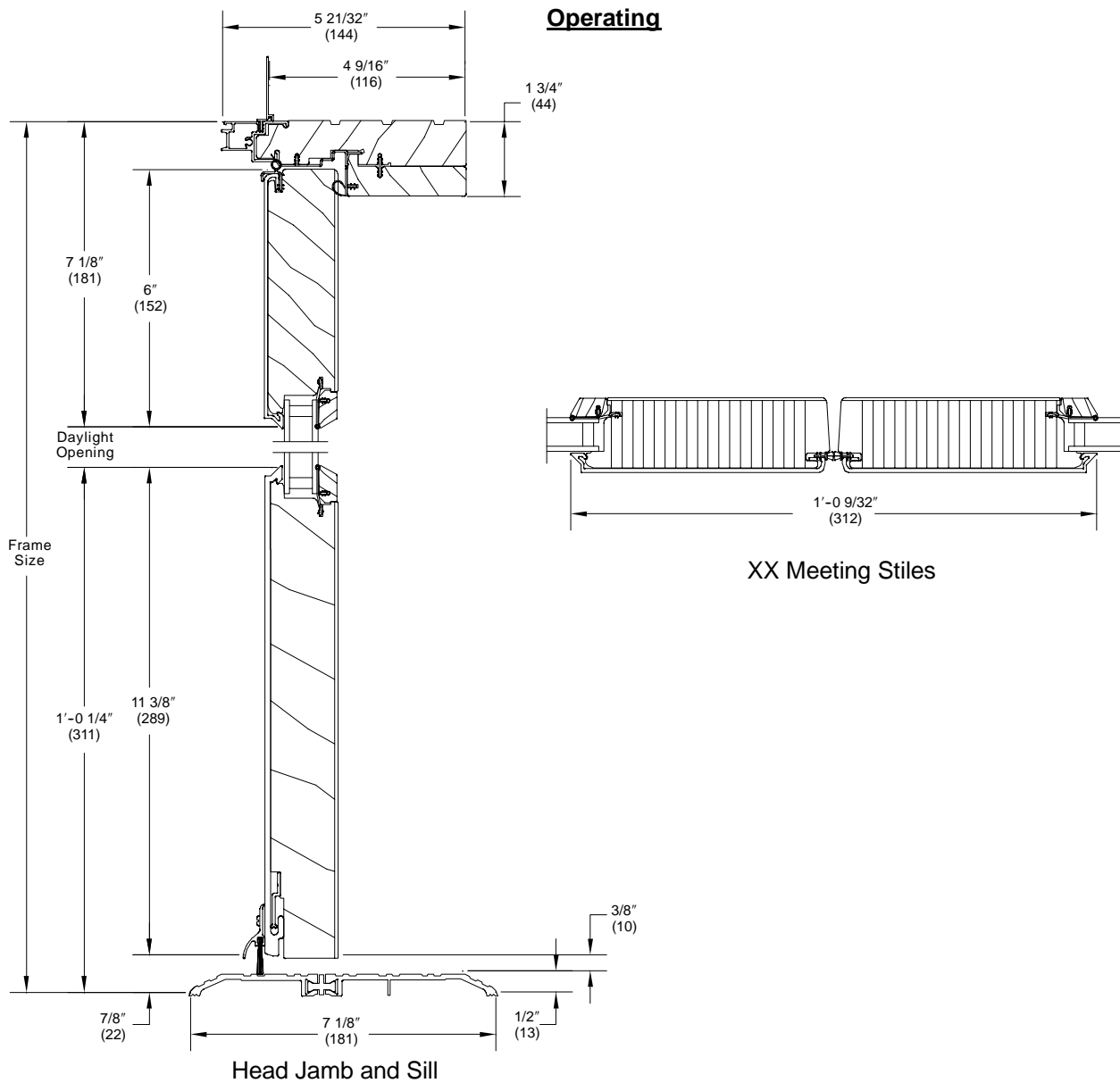
CCDTR8010
CCDTR8012
CCDTR8016

NOTE: Metric dimensions shown in parentheses.
1 3/4" Panel transom use for 1 3/4" and 2 1/4" panel doors.

CLAD COMMERCIAL DOOR

SECTION DETAILS: 4 9/16" OPERATING - 1 3/4" Panel

SCALE: 3" = 1' 0"

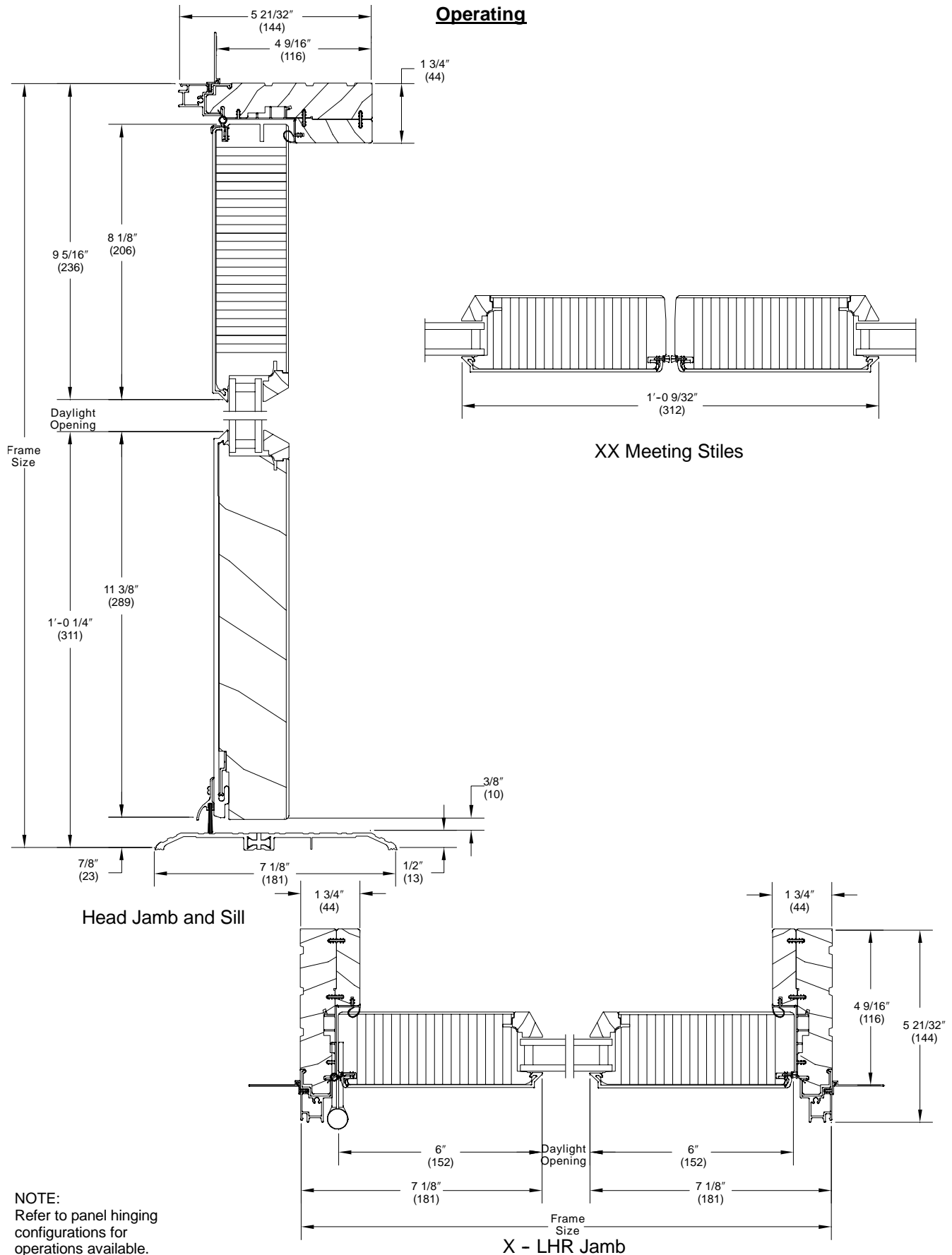


NOTE:
Refer to panel hinging
configurations for
operations available.

CLAD COMMERCIAL DOOR

SECTION DETAILS: 4 9/16" OPERATING - 2 1/4" Panel

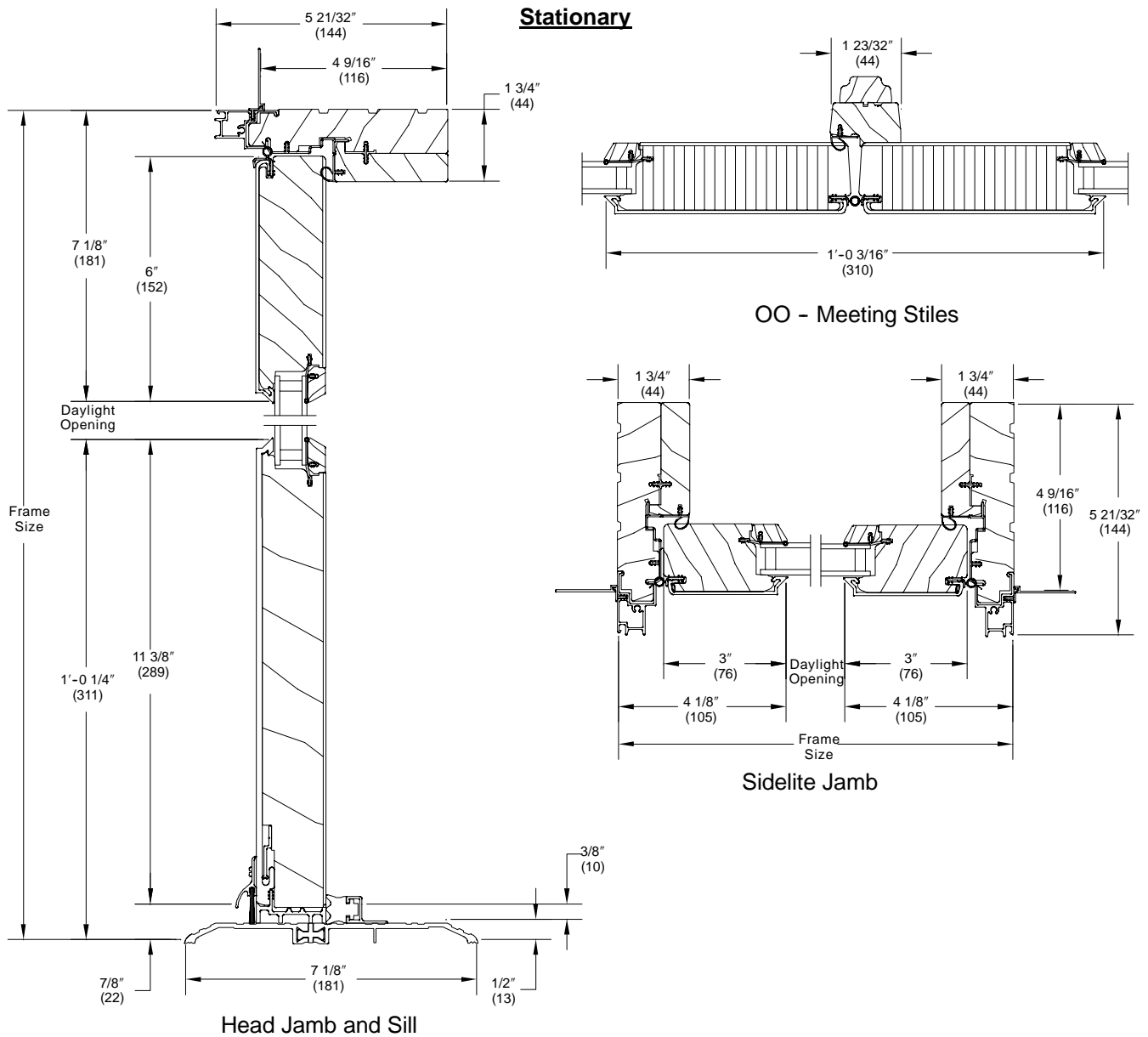
SCALE: 3" = 1' 0"



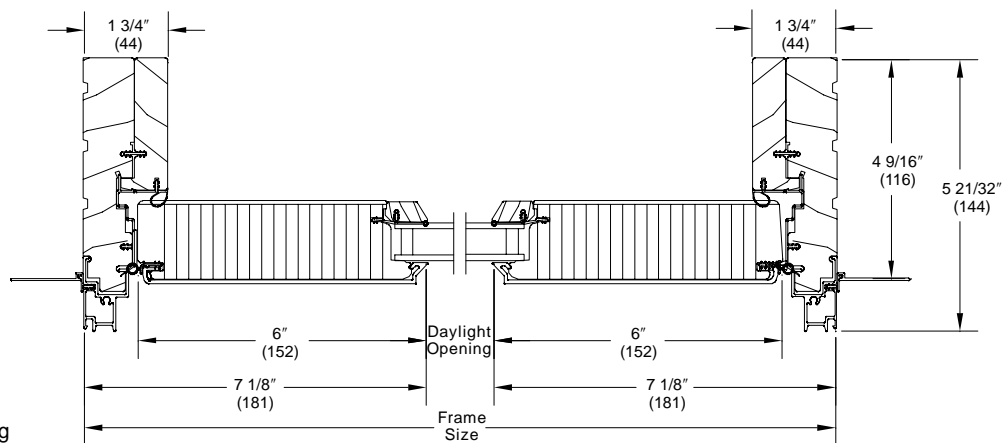
CLAD COMMERCIAL DOOR

SECTION DETAILS: 4 9/16" STATIONARY / SIDELITE - 1 3/4" Panel

SCALE: 3" = 1' 0"



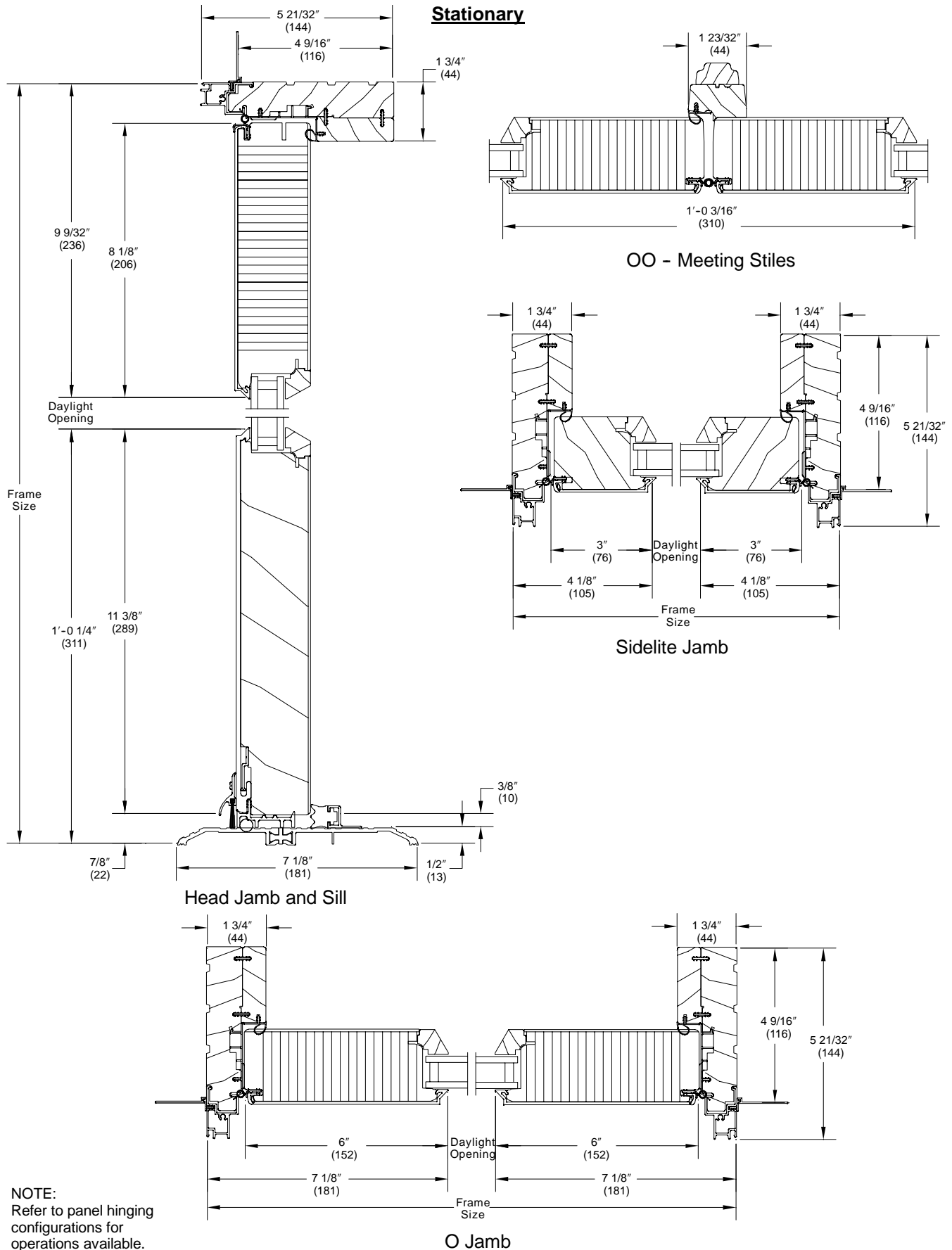
NOTE:
Refer to panel hinging
configurations for
operations available.



CLAD COMMERCIAL DOOR

SECTION DETAILS: 4 9/16" STATIONARY / SIDELITE - 2 1/4" Panel

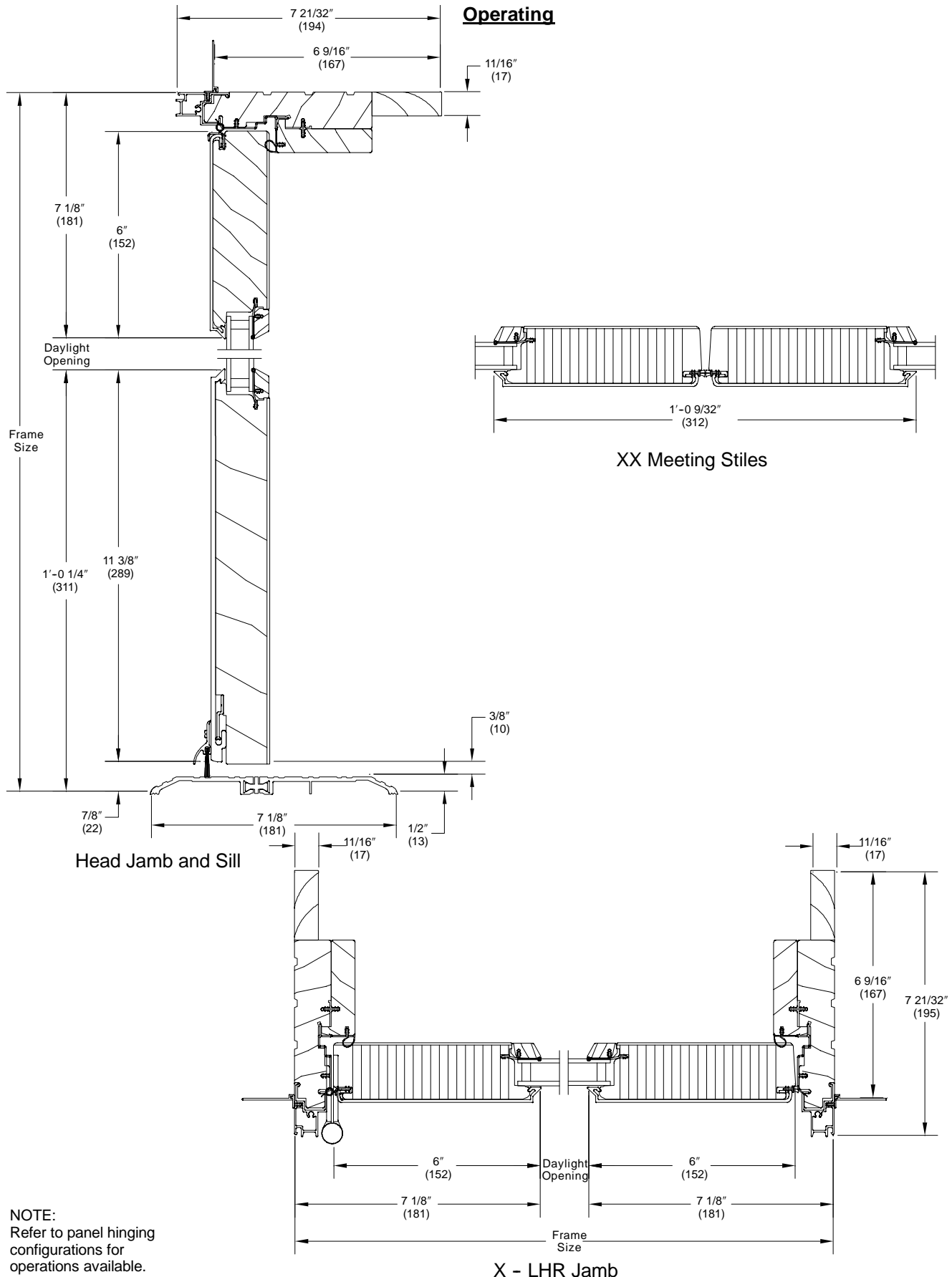
SCALE: 3" = 1' 0"



CLAD COMMERCIAL DOOR

SECTION DETAILS: 6 9/16" OPERATING - 1 3/4" Panel

SCALE: 3" = 1' 0"

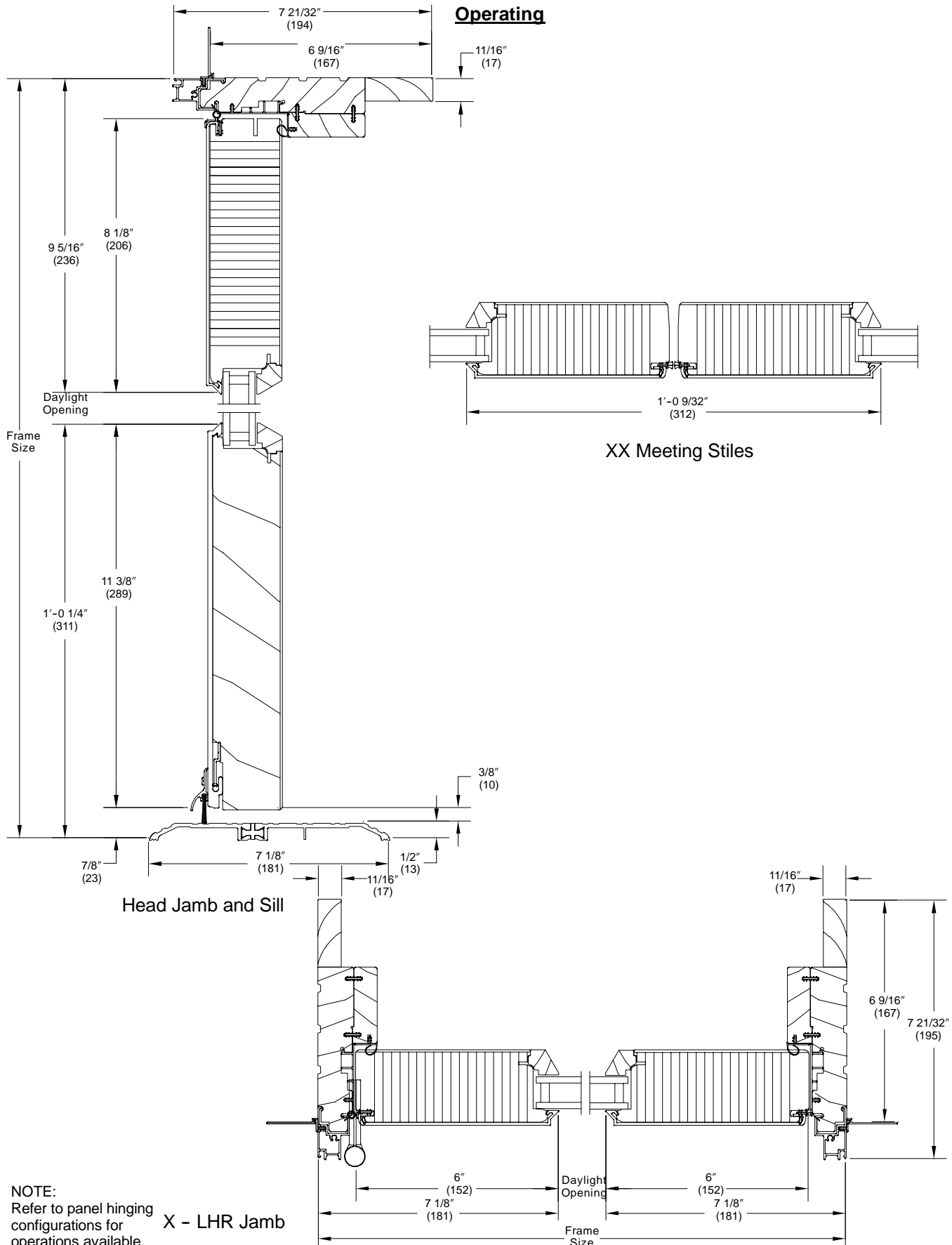


NOTE:
Refer to panel hinging
configurations for
operations available.

CLAD COMMERCIAL DOOR

SECTION DETAILS: 6 9/16" OPERATING - 2 1/4" Panel

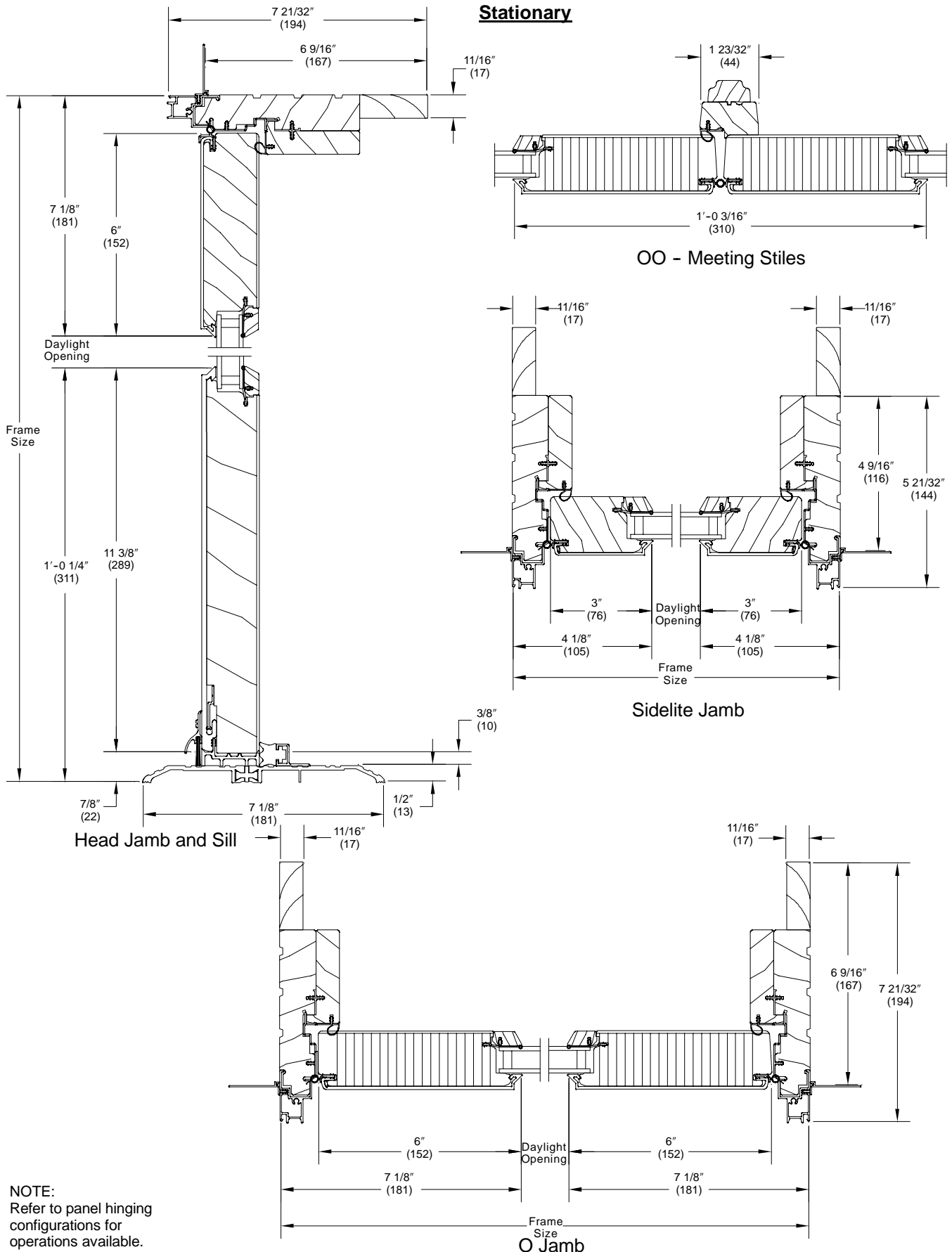
SCALE: 3" = 1' 0"



CLAD COMMERCIAL DOOR

SECTION DETAILS: 6 9/16" STATIONARY / SIDELITE - 1 3/4" Panel

SCALE: 3" = 1' 0"

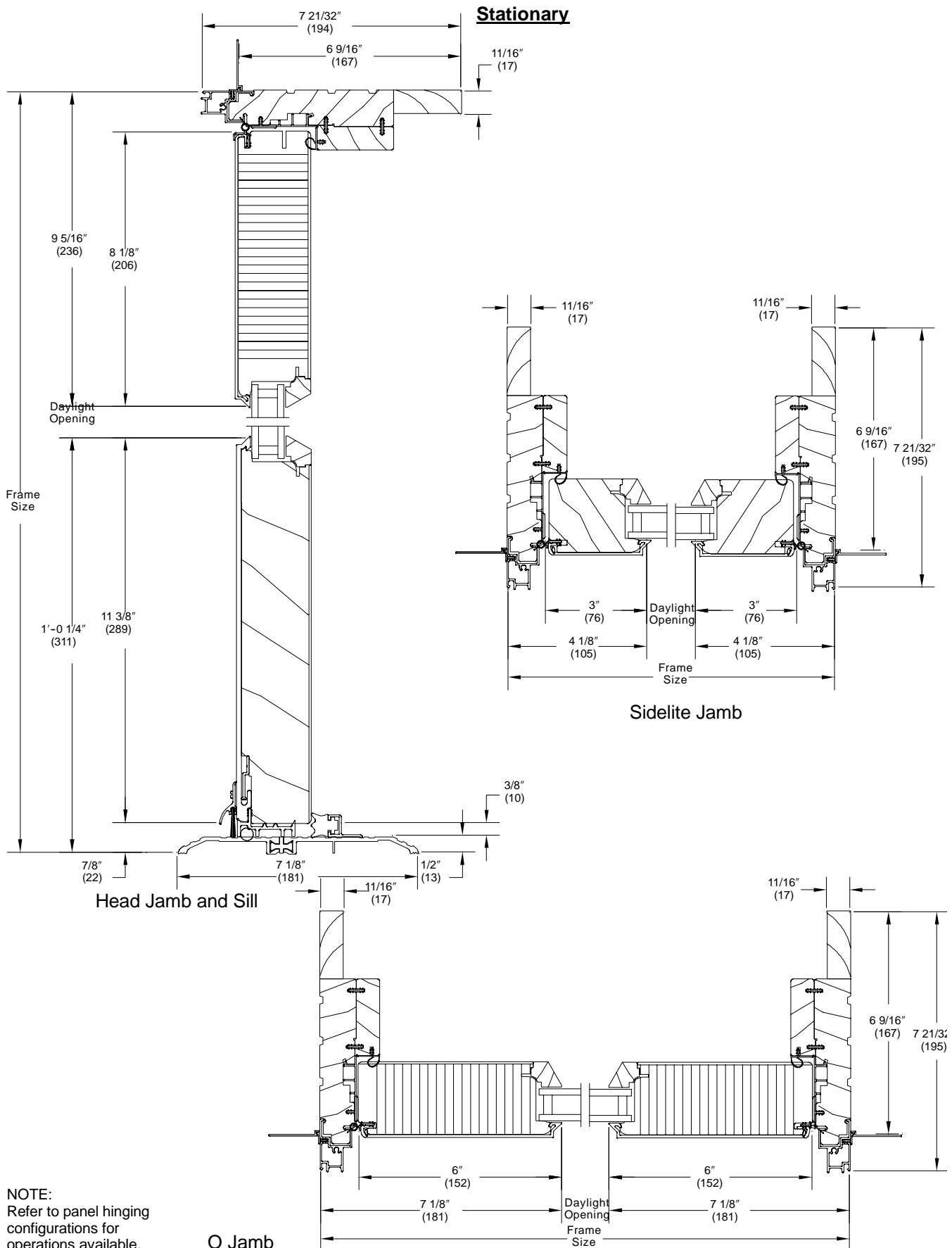


NOTE:
Refer to panel hinging
configurations for
operations available.

CLAD COMMERCIAL DOOR

SECTION DETAILS: 6 9/16" STATIONARY / SIDELITE - 2 1/4" Panel

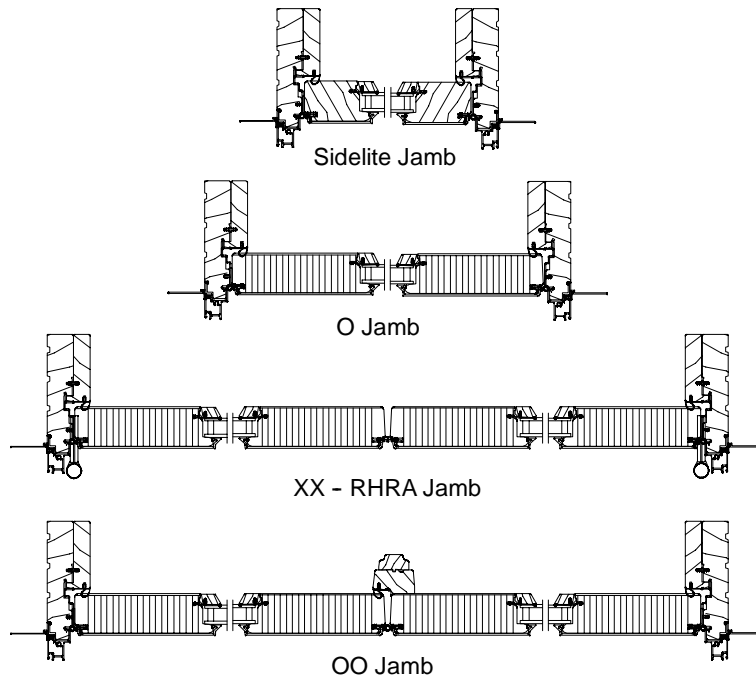
SCALE: 3" = 1' 0"



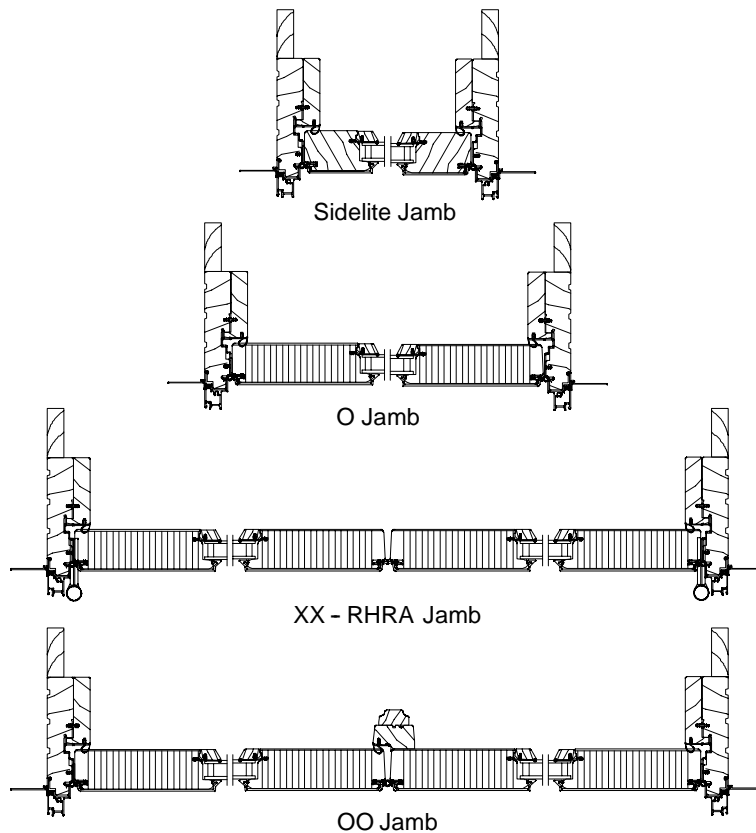
CLAD COMMERCIAL DOOR

SECTION DETAILS: 4 9/16" AND 6 9/16" Jambs - 1 3/4" Panel
NOT TO SCALE

4 9/16" Jambs



6 9/16" Jambs



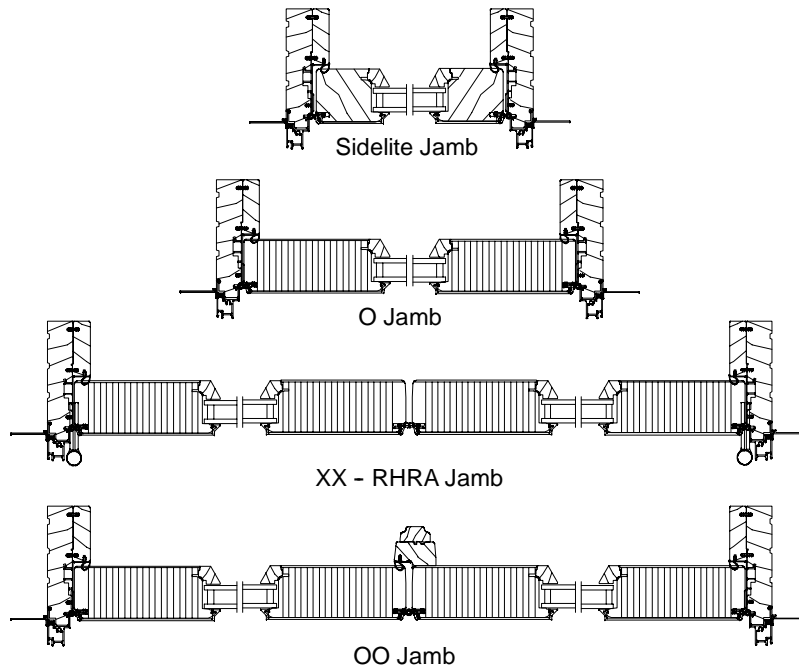
NOTE:

Refer to the panel hinging configurations page for operations available.

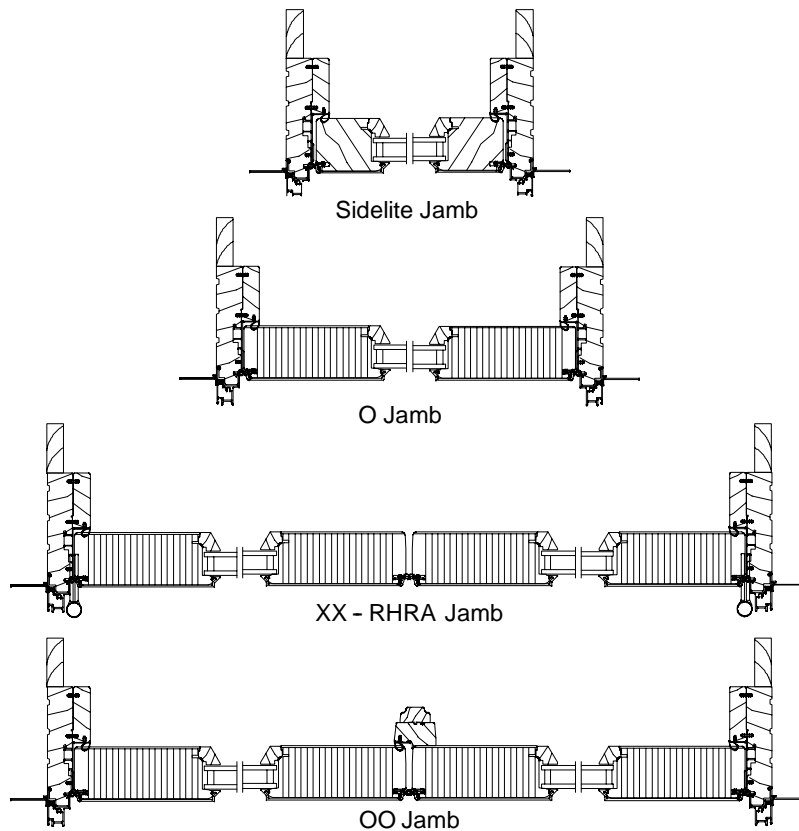
CLAD COMMERCIAL DOOR

SECTION DETAILS: 4 9/16" AND 6 9/16" Jamb - 2 1/4" Panel
NOT TO SCALE

4 9/16" Jamb



6 9/16" Jamb



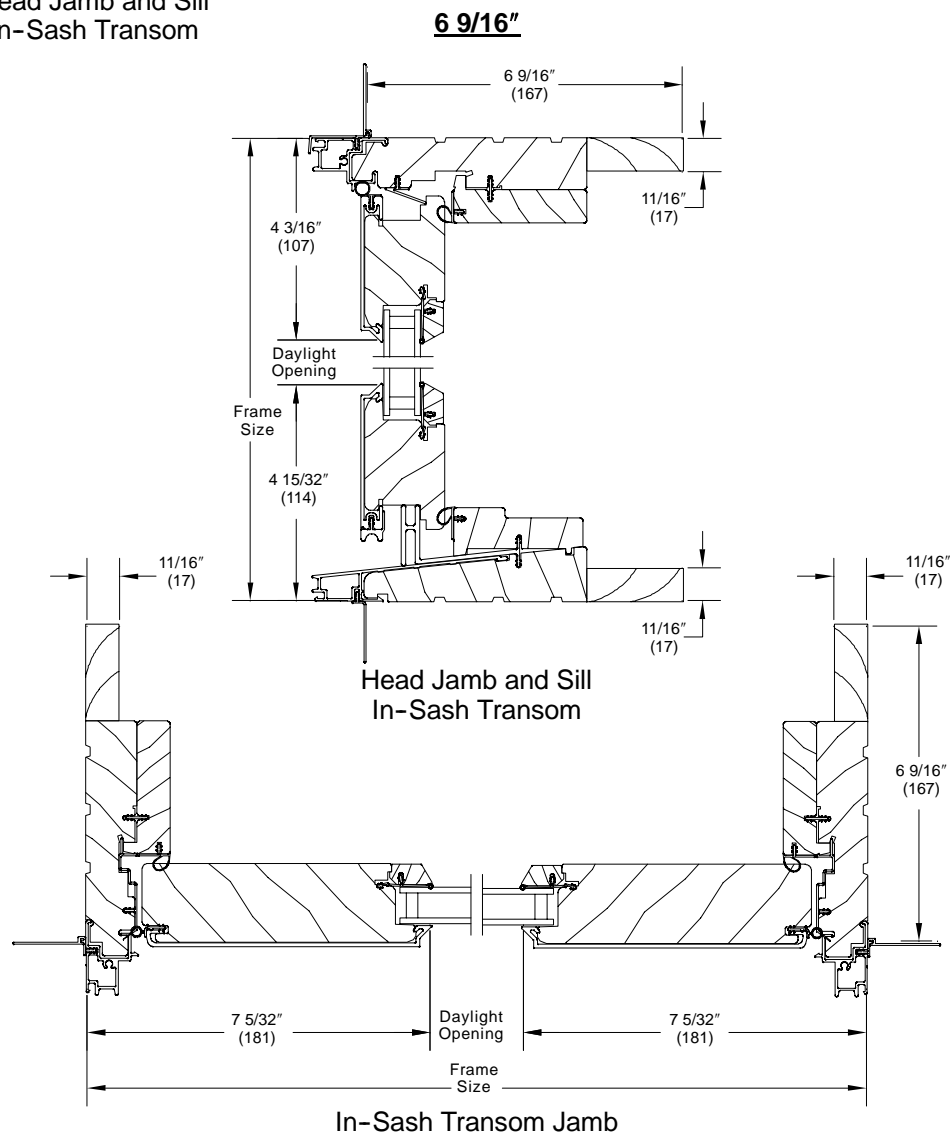
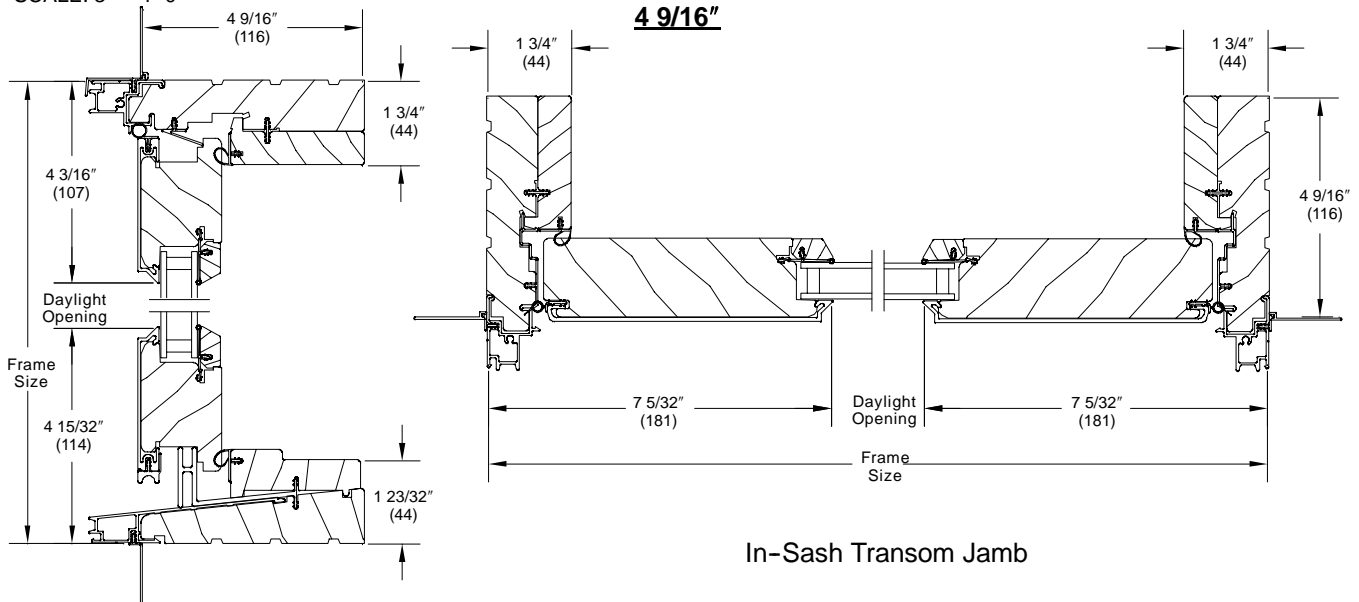
NOTE:

Refer to the panel hinging configurations page for operations available.

CLAD COMMERCIAL DOOR

SECTION DETAILS: 4 9/16" AND 6 9/16" 1 3/4" IN-SASH TRANSOM -
FOR 1 3/4" AND 2 1/4" PANEL DOORS

SCALE: 3" = 1' 0"

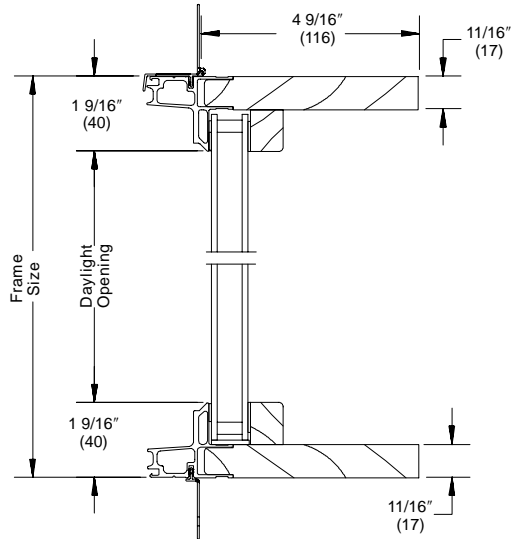


CLAD COMMERCIAL DOOR

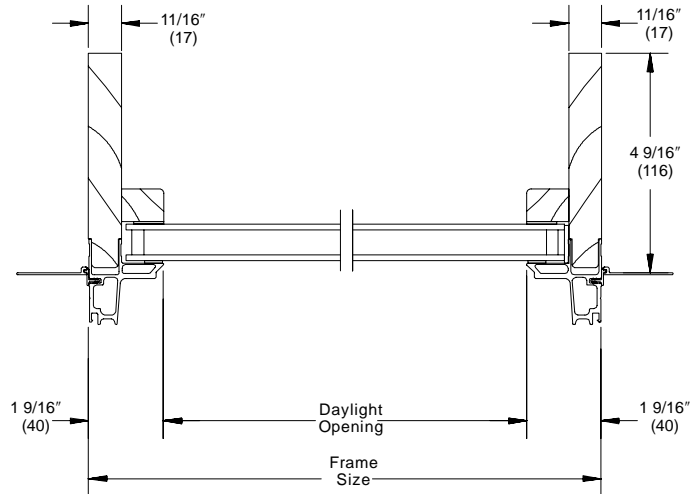
SECTION DETAILS: 4 9/16" AND 6 9/16" DIRECT GLAZE TRANSOM

SCALE: 3" = 1' 0"

4 9/16"

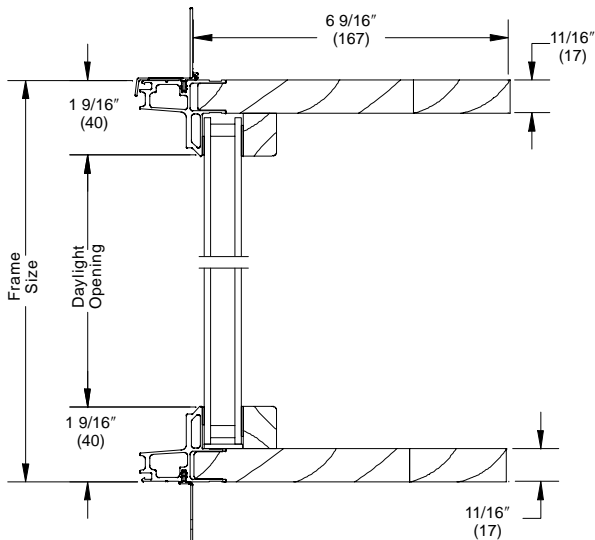


Head Jamb and Sill
Direct Glaze Transom

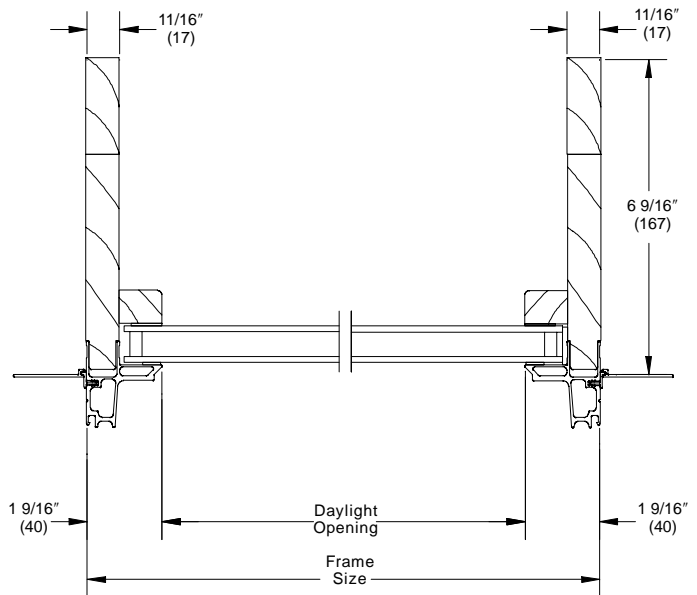


Direct Glaze Transom Jamb

6 9/16"



Head Jamb and Sill
Direct Glaze Transom



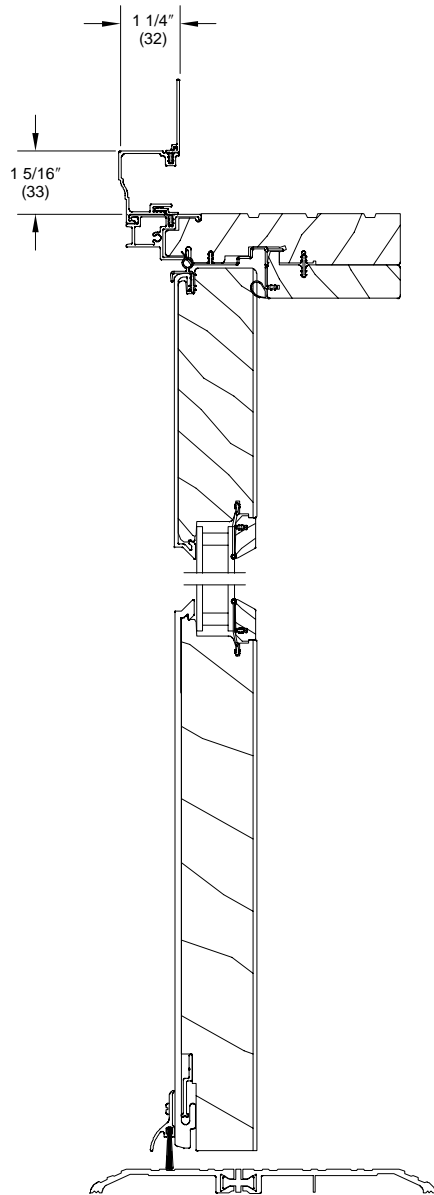
Direct Glaze Transom Jamb

CLAD COMMERCIAL DOOR

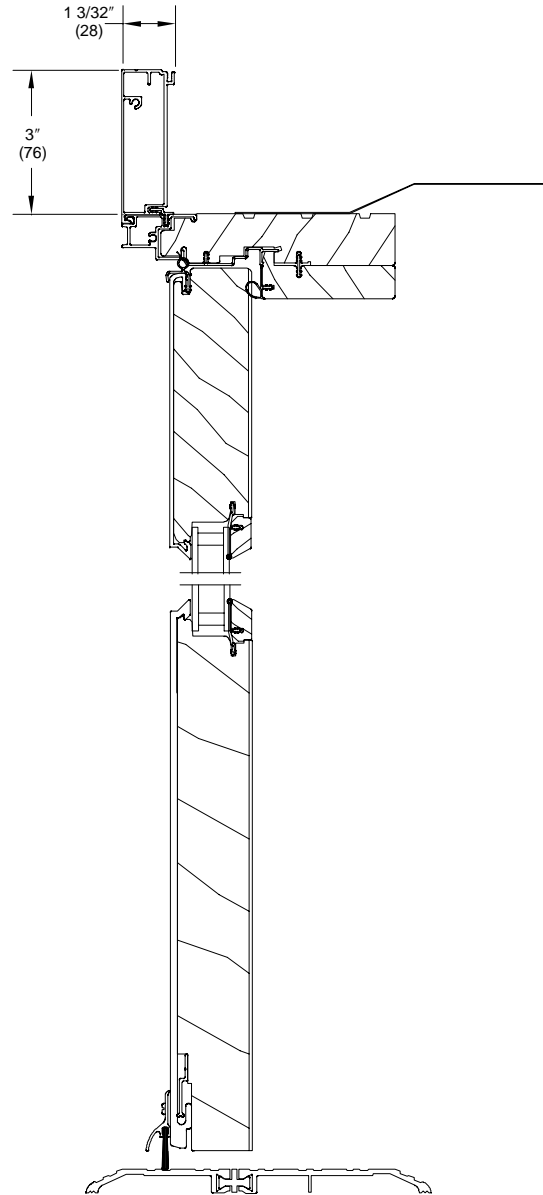
SECTION DETAILS: CASING OPTIONS

SCALE: 3" = 1' 0"

Casing Options



Head Jamb and Sill
with Clad Brick Mould Casing



Head Jamb and Sill
with Clad Flat Casing

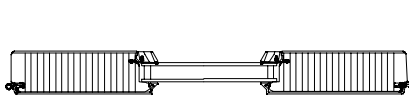
NOTE:

1 3/4" Panel shown.

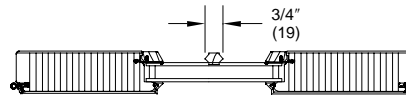
CLAD COMMERCIAL DOOR

SECTION DETAILS: DIVIDED LITE OPTIONS / GRILLE, SDL AND INTERMEDIATE RAIL - 1 3/4" PANEL
NOT TO SCALE

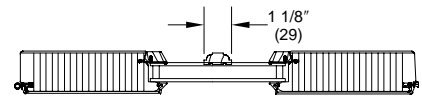
Insulating Glass



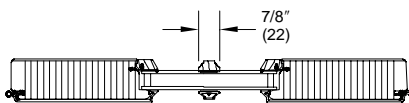
Insulating Glass



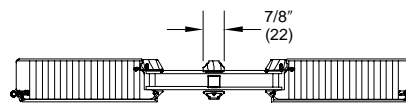
3/4" Grille



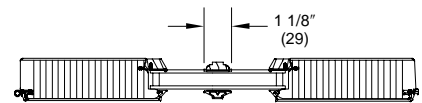
1 1/8" Grille



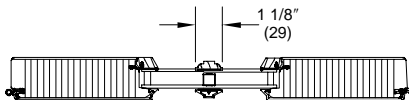
7/8" SDL
without Spacer Bar



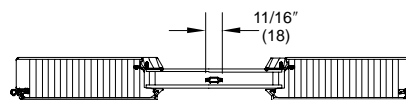
7/8" SDL
with Spacer Bar



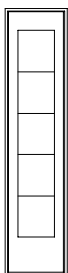
1 1/8" SDL
without Spacer Bar



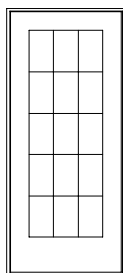
1 1/8" SDL
with Spacer Bar



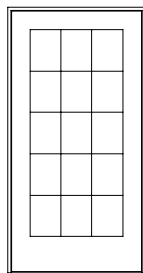
Aluminum Grille
Between Glass



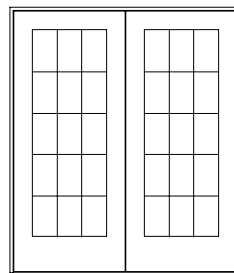
1670



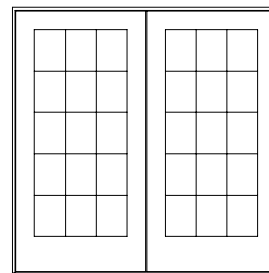
3070*



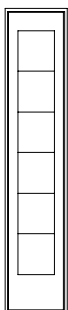
3670*



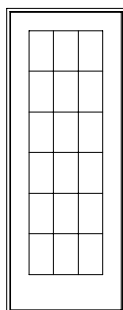
6070*



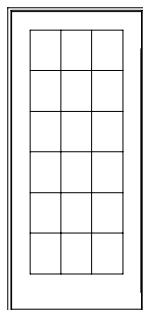
7070*



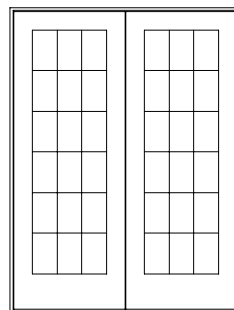
1680



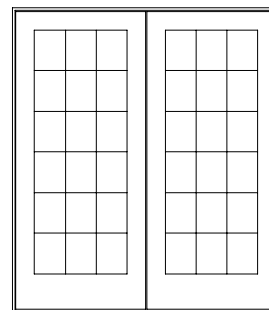
3080*



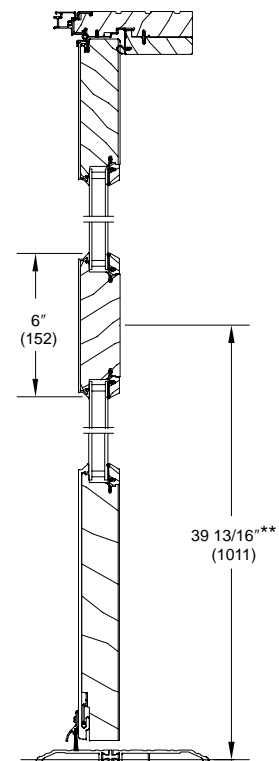
3680*



6080*



7080*



6" Intermediate Rail

NOTE:

Grille = Removable interior divider

SDL = Simulated divided lite

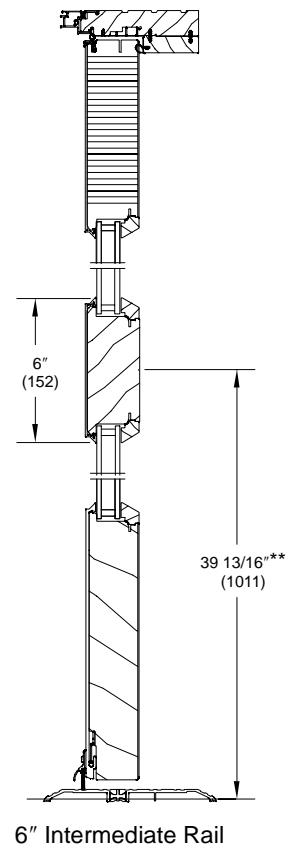
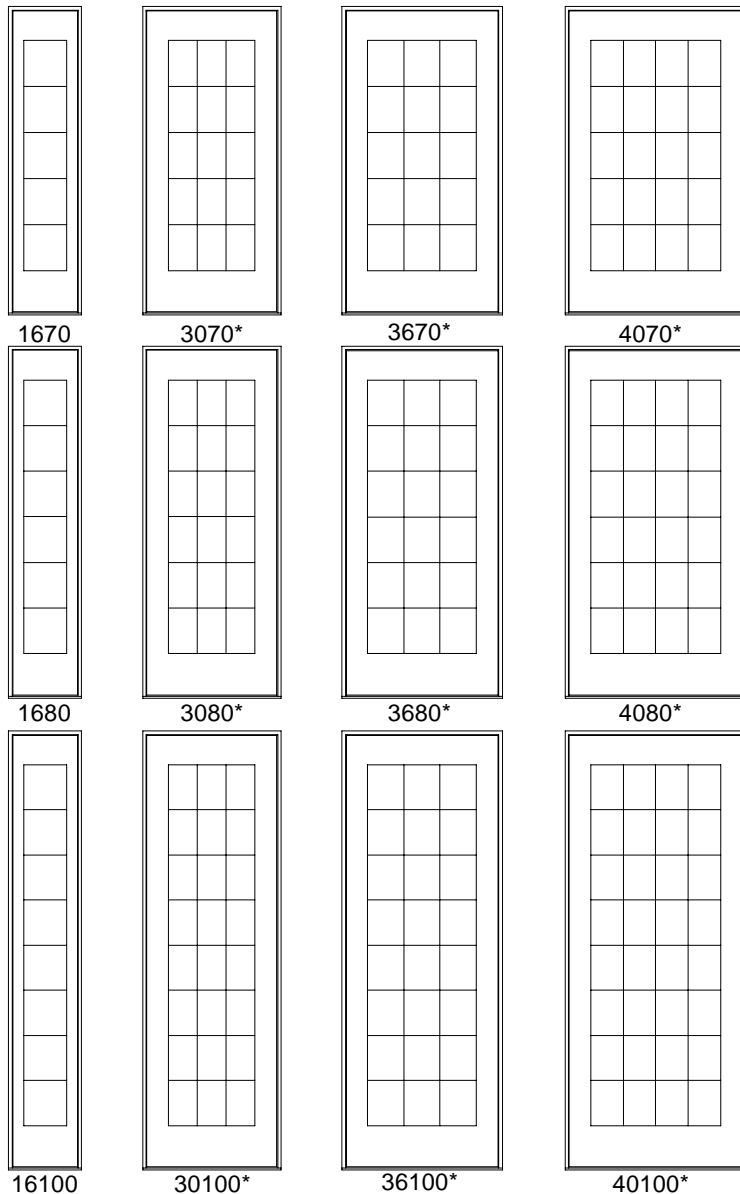
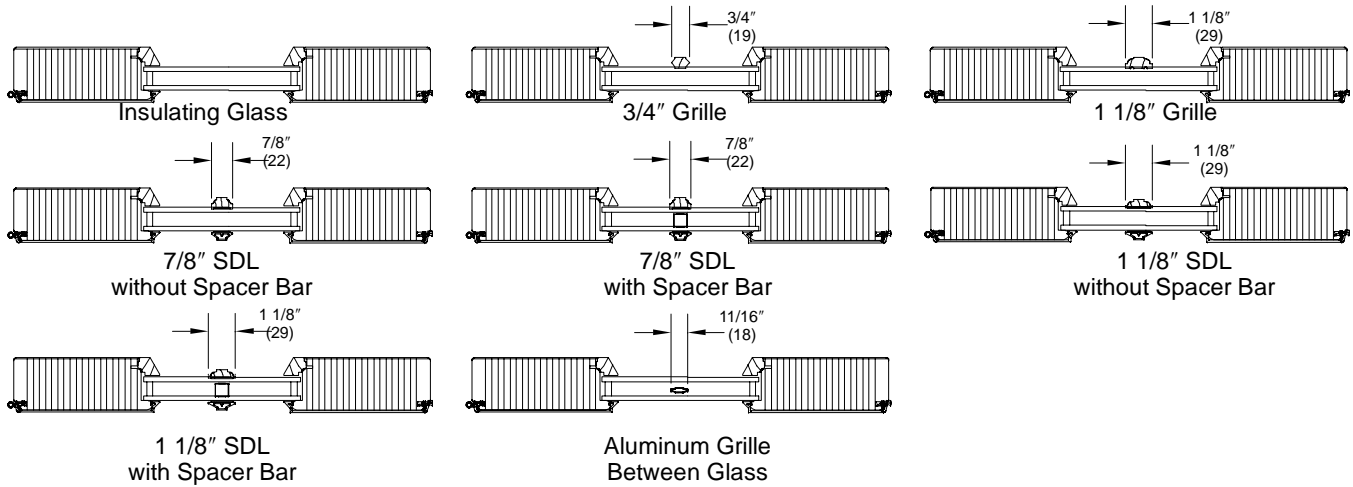
* Units available in both 2 and 3 wide standard grille and SDL cuts

** Standard intermediate rail placement is 39 13/16" (1011) from finished floor on center.

CLAD COMMERCIAL DOOR

SECTION DETAILS: DIVIDED LITE OPTIONS / GRILLE, SDL AND INTERMEDIATE RAIL - 2 1/4" PANEL
NOT TO SCALE

Insulating Glass



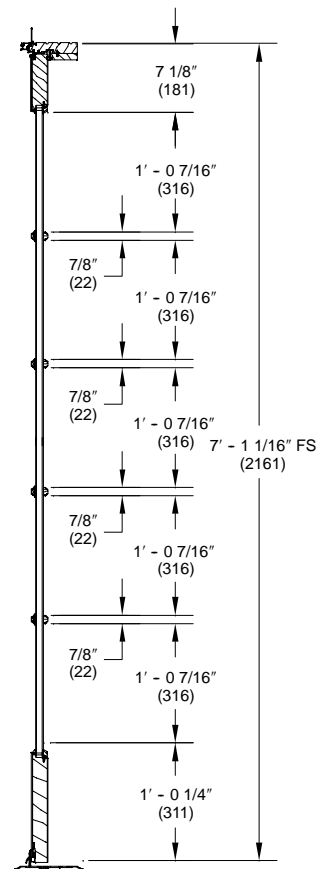
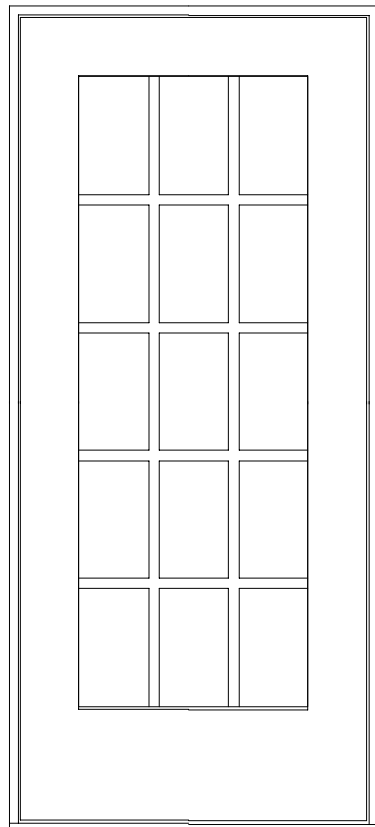
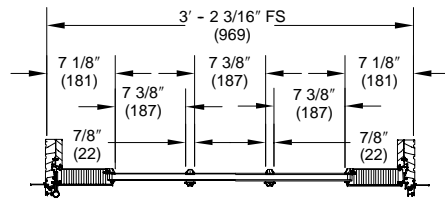
6" Intermediate Rail

* Units available in both 2 and 3 wide standard grille and SDL cuts
** Standard intermediate rail placement is 39 13/16" (1011) from finished floor on center.

NOTE:
Grille = Removable interior divider
SDL = Simulated divided lite

CLAD COMMERCIAL DOOR

DAYLIGHT OPENING CONVERSIONS - 1 3/4" PANEL NOT TO SCALE



Conversion Formula:

$$\frac{\text{DLO} - \text{Total Bar Width}}{\text{Number of Lites}} = \text{Individual DLO}$$

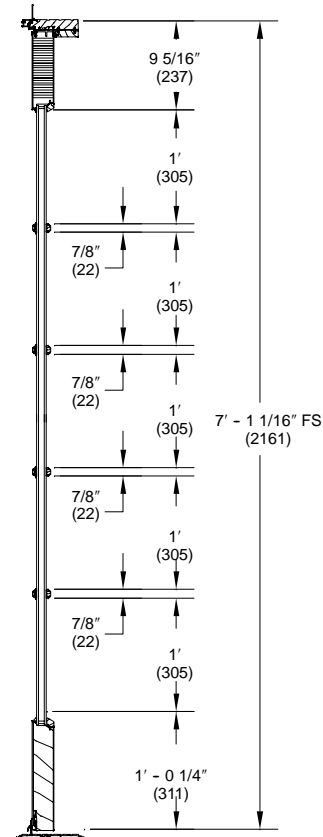
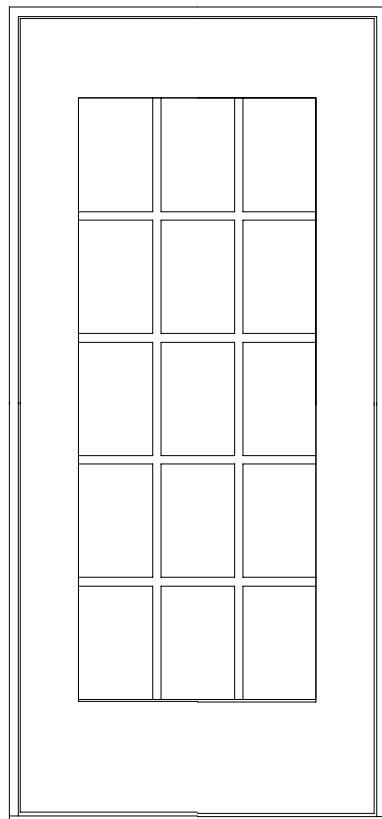
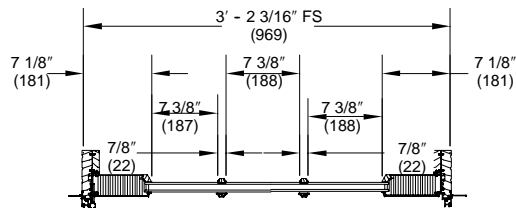
NOTE:

For additional information on individual daylight openings please contact your Marvin representative.

CLAD COMMERCIAL DOOR

DAYLIGHT OPENING CONVERSIONS - 2 1/4" PANEL

NOT TO SCALE



Conversion Formula:

$$\frac{\text{DLO} - \text{Total Bar Width}}{\text{Number of Lites}} = \text{Individual DLO}$$

NOTE:

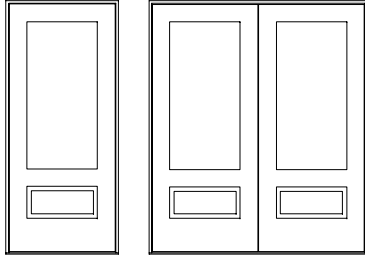
For additional information on individual daylight openings please contact your Marvin representative.

CLAD COMMERCIAL DOOR

ELEVATIONS: 1 3/4" PANEL PLACEMENT

NOT TO SCALE

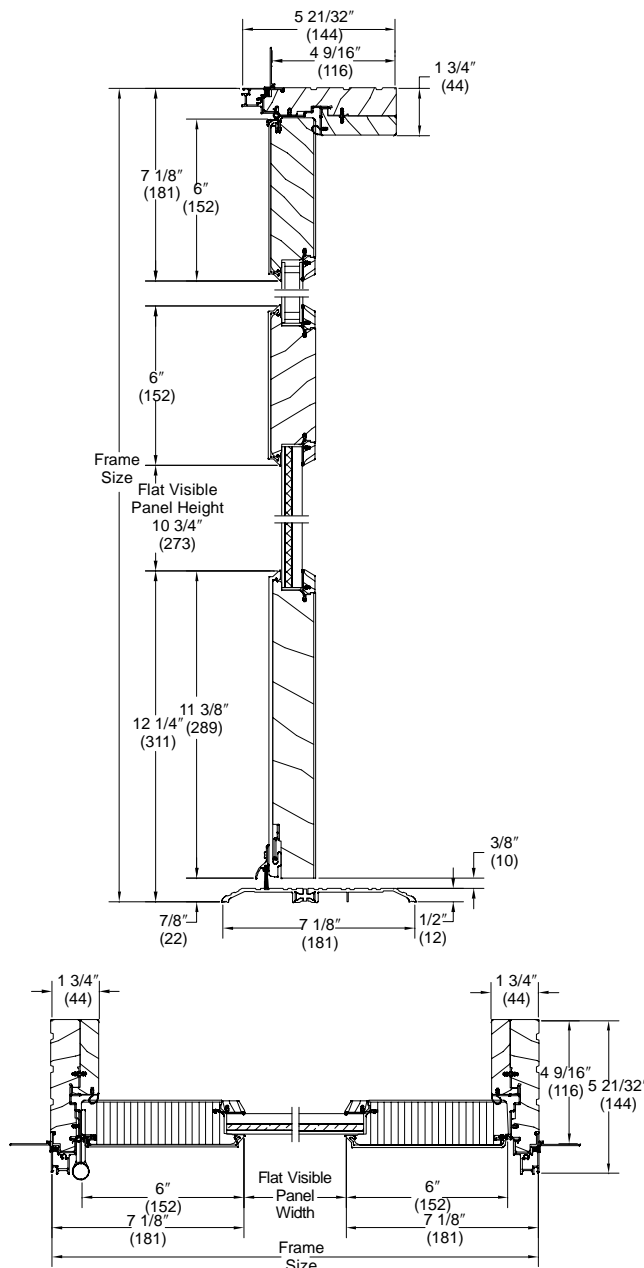
Low Placement



Clad Raised/Flat panel is constructed of medium density fiberboard (MDF) core with wood laminated veneer to the interior primed or bare wood and aluminum plate coated per AAMA 2605-05 in standard, select and custom colors to the exterior. Raised Panel has 1/2" aluminum plate and Flat Panel has 1/8" aluminum. Alternative wood species interior include mahogany, vertical grain Douglas fir, cherry and white oak.

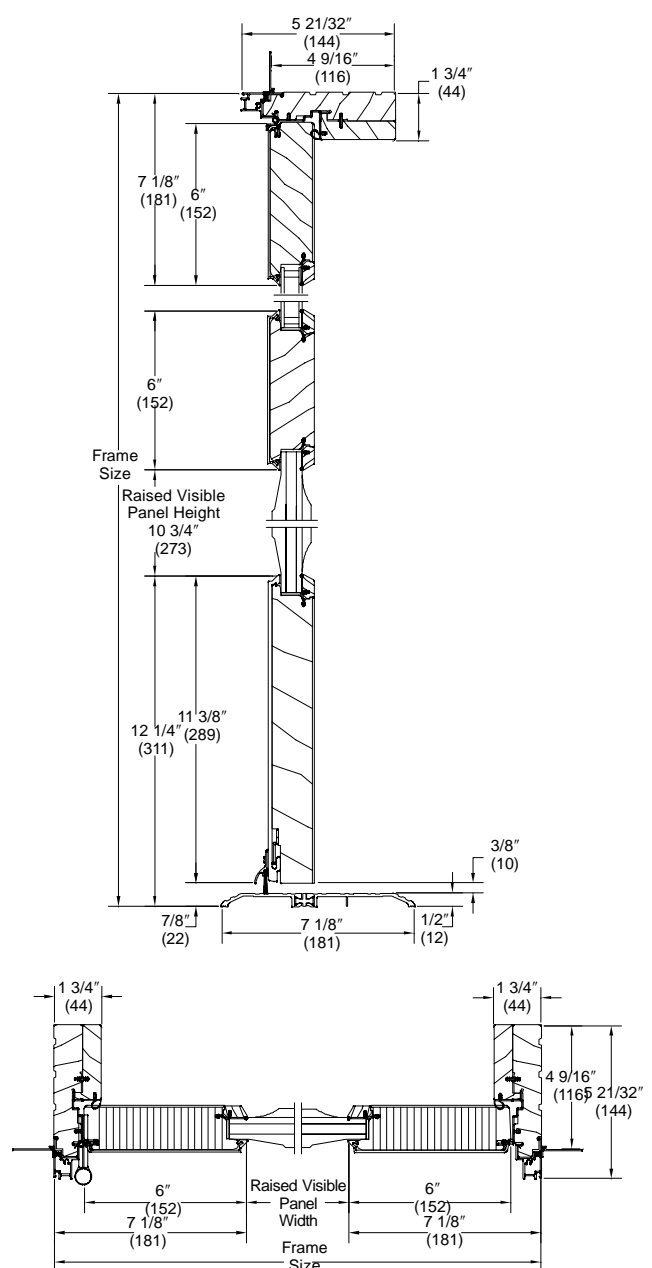
Flat Panel - Standard Configuration / Low Placement

6" intermediate rail placed 26" O.C. from bottom of the door sill with 10 3/4" visible panel height



Raised Panel - Standard Configuration / Low Placement

6" intermediate rail placed 26" O.C. from bottom of the door sill with 10 3/4" visible panel height.

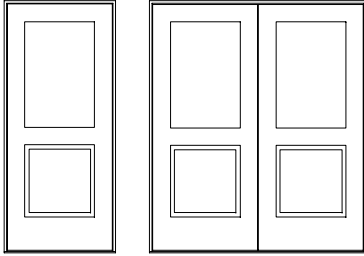


CLAD COMMERCIAL DOOR

ELEVATIONS: 1 3/4" PANEL PLACEMENT

NOT TO SCALE

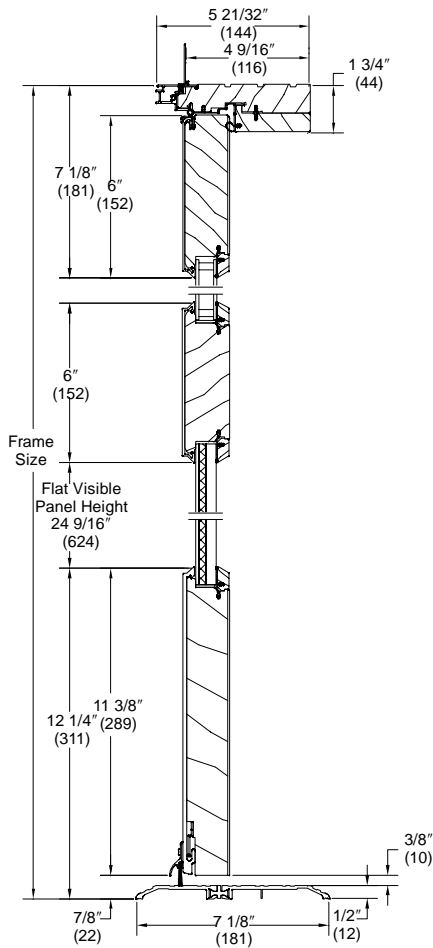
High Placement



Clad Raised/Flat panel is constructed of medium density fiberboard (MDF) core with wood laminated veneer to the interior primed or bare wood and aluminum coated per AAMA 2605-05 in standard, select or custom colors to the exterior. Raised Panel has 1/2" aluminum plate and Flat Panel has 1/8" aluminum. Alternative wood species interior include mahogany, vertical grain Douglas fir, cherry and white oak.

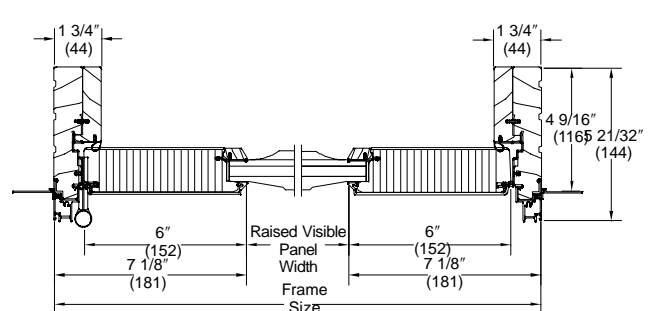
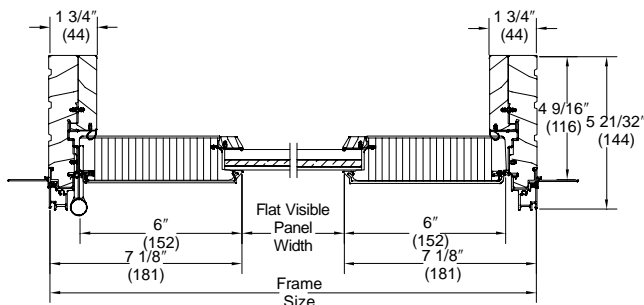
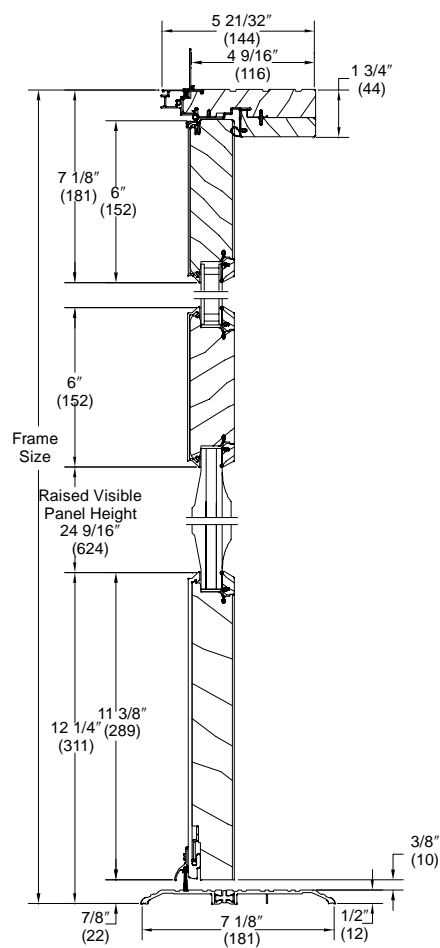
Flat Panel - Standard Configuration / High Placement

6" intermediate rail placed 39 13/16" O.C. from bottom of the door sill with 24 9/16" visible panel height



Raised Panel - Standard Configuration / High Placement

6" intermediate rail placed 39 13/16" O.C. from bottom of the door sill with 24 9/16" visible panel height

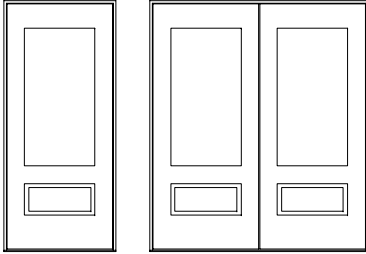


CLAD COMMERCIAL DOOR

ELEVATIONS: 2 1/4" PANEL PLACEMENT

NOT TO SCALE

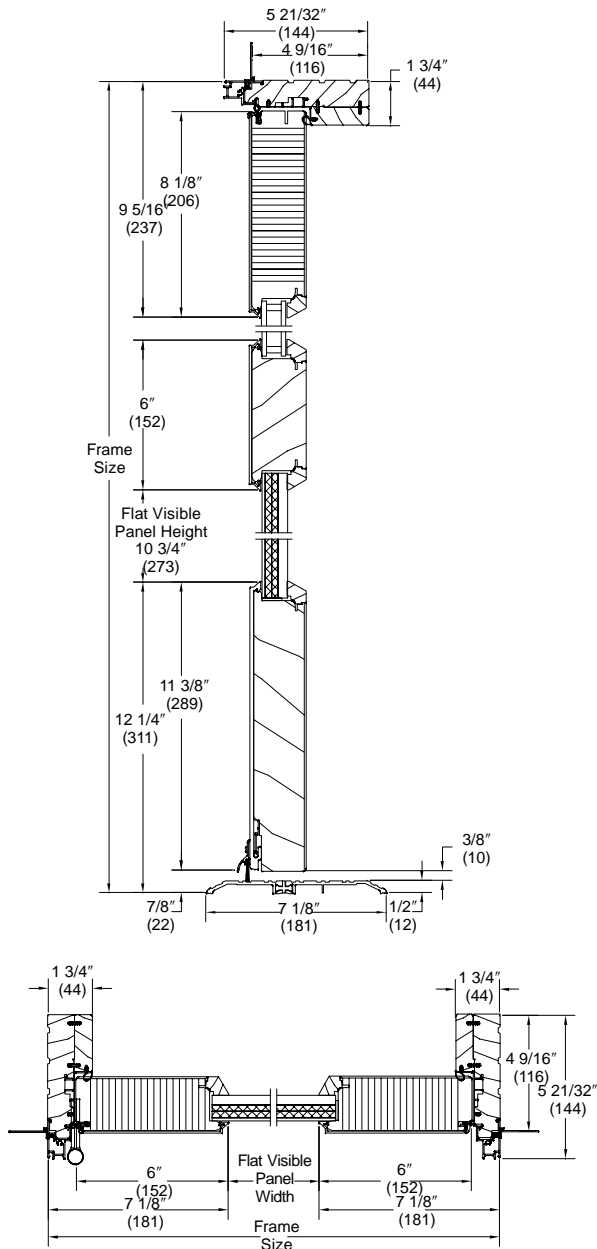
Low Placement



Clad Raised/Flat panel is constructed of medium density fiberboard (MDF) core with wood laminated veneer to the interior primed or bare wood and a solid aluminum plate coated per AAMA 2605-05 in standard, select or custom colors to the exterior. Raised Panel has 1/2" aluminum plate and Flat Panel has 1/8" aluminum. Alternative wood species interior include mahogany, vertical grain Douglas fir, cherry and white oak.

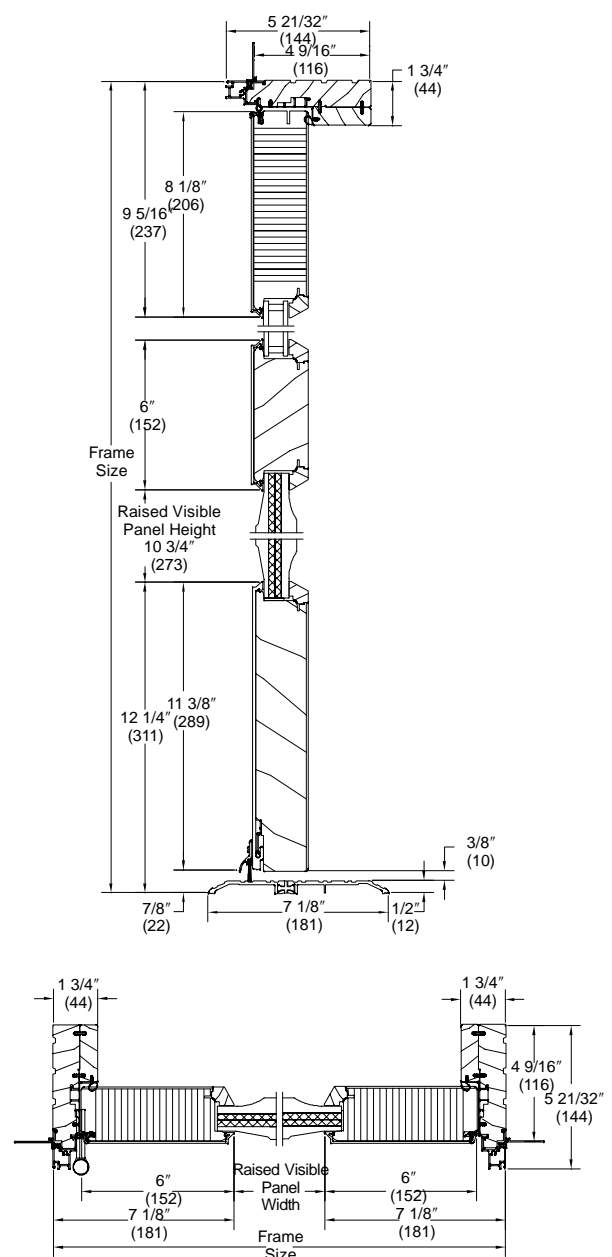
Flat Panel - Standard Configuration / Low Placement

6" intermediate rail placed 26" O.C. from bottom of the door sill with 10 3/4" visible panel height



Raised Panel - Standard Configuration / Low Placement

6" intermediate rail placed 26" O.C. from bottom of the door sill with 10 3/4" visible panel height

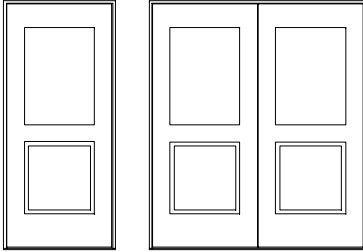


CLAD COMMERCIAL DOOR

ELEVATIONS: 2 1/4" PANEL PLACEMENT

NOT TO SCALE

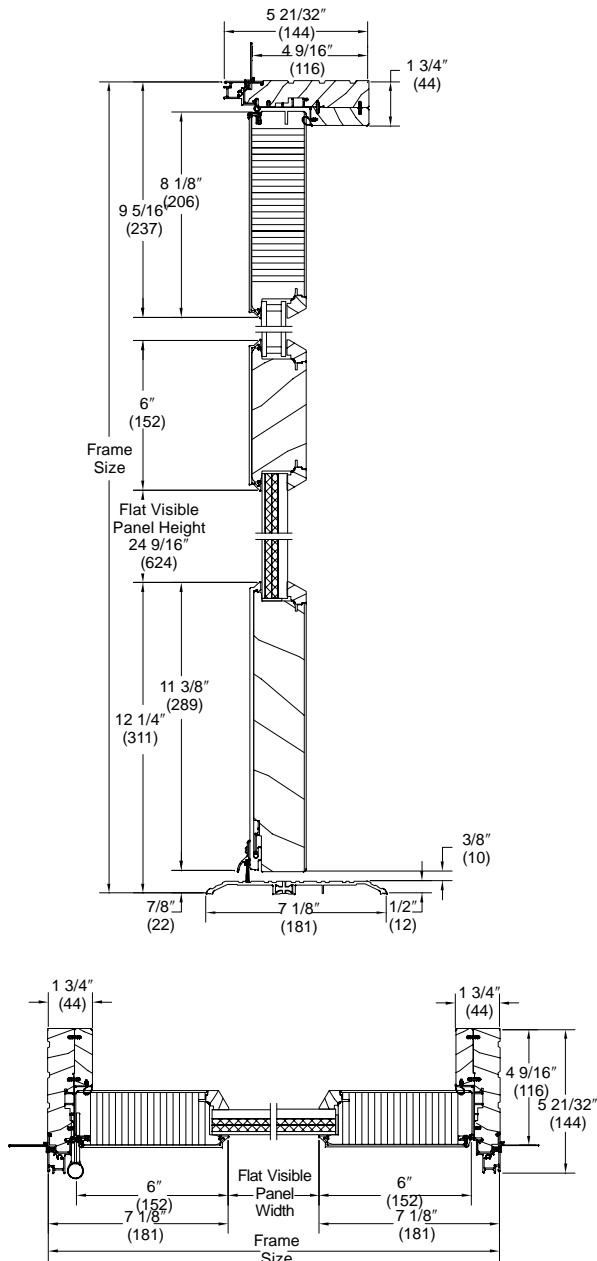
High Placement



Clad Raised/Flat panel is constructed of medium density fiberboard (MDF) core with wood laminated veneer to the interior primed or bare wood and aluminum coated per AAMA 2605-05 in standard, select or custom colors to the exterior. Raised Panel has 1/2" aluminum plate and Flat Panel has 1/8" aluminum. Alternative wood species interior include mahogany, vertical grain Douglas fir, cherry and white oak.

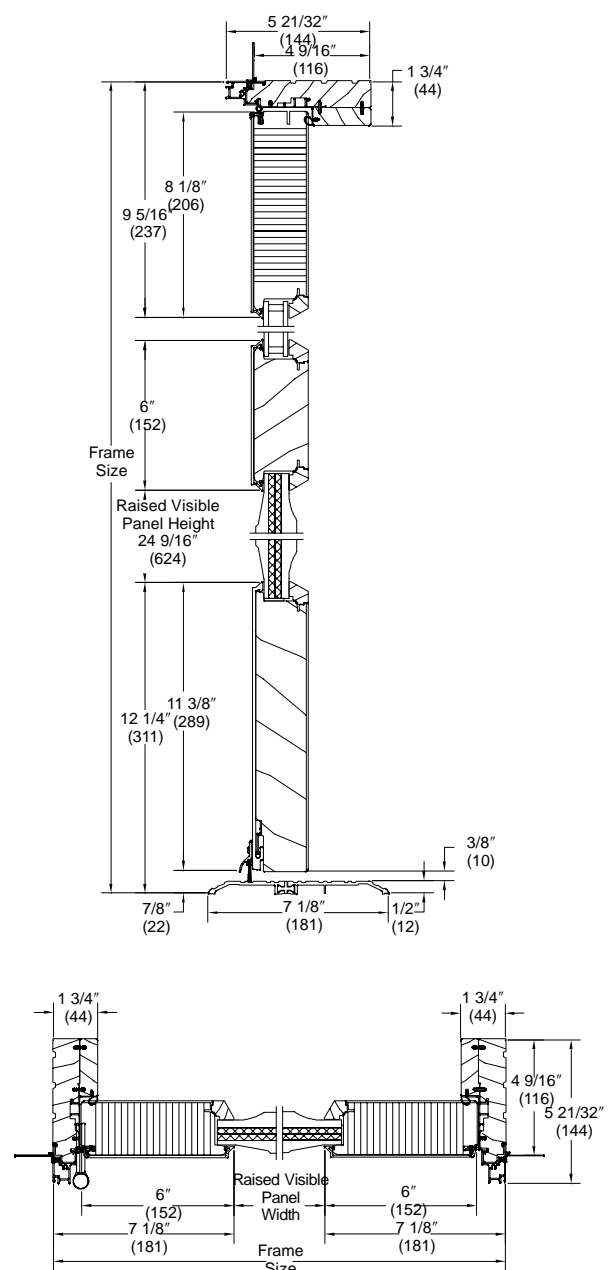
Flat Panel - Standard Configuration / High Placement

6" intermediate rail placed 39 13/16" O.C. from bottom of the door sill with 24 9/16" visible panel height



Raised Panel - Standard Configuration / High Placement

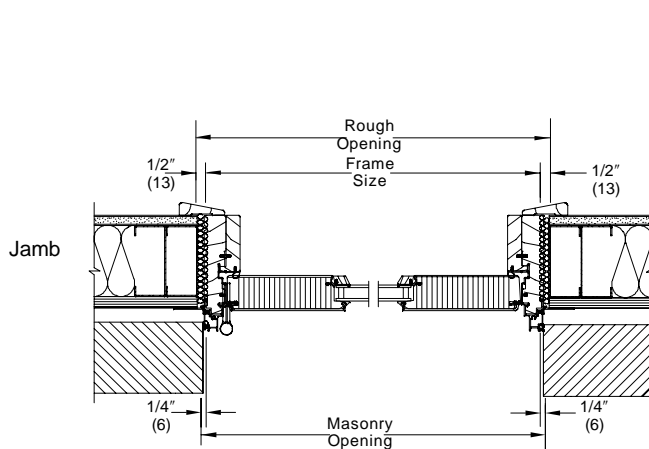
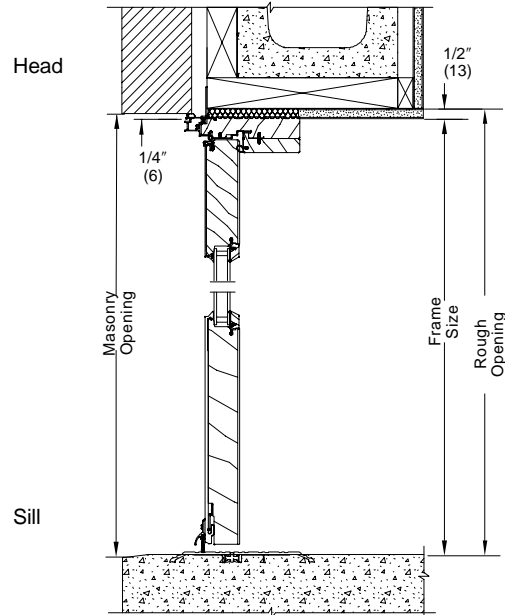
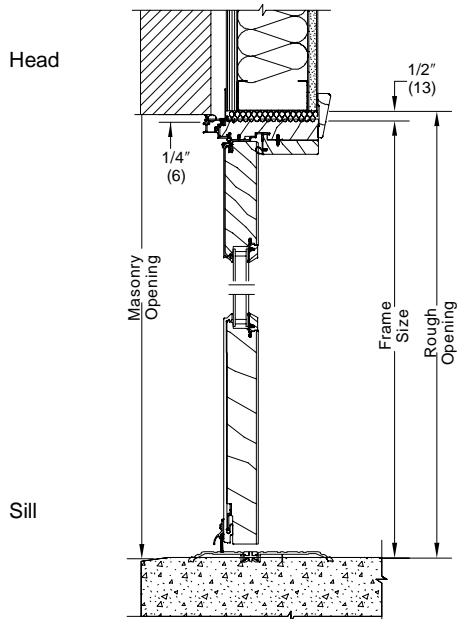
6" intermediate rail placed 39 13/16" O.C. from bottom of the door sill with 24 9/16" visible panel height



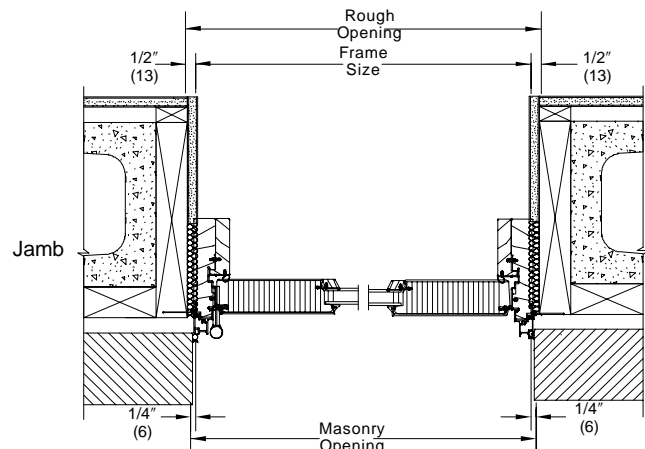
CLAD COMMERCIAL DOOR

SECTION DETAILS: CONSTRUCTION

NOT TO SCALE



Brick Veneer with Steel
Stud Construction



Brick Veneer with Concrete
Block Construction

NOTE:

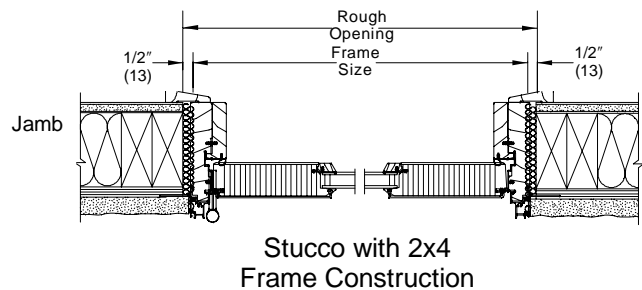
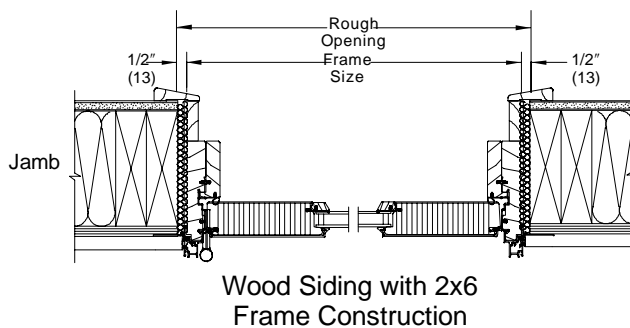
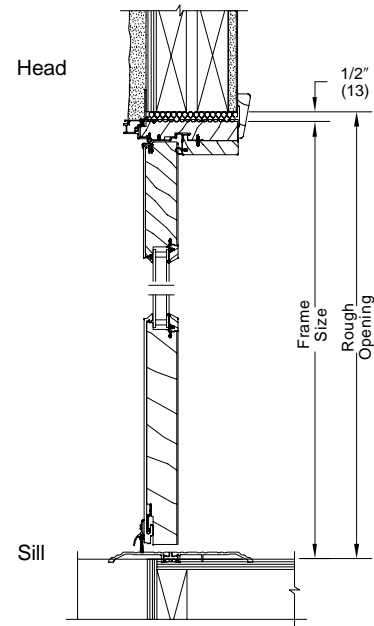
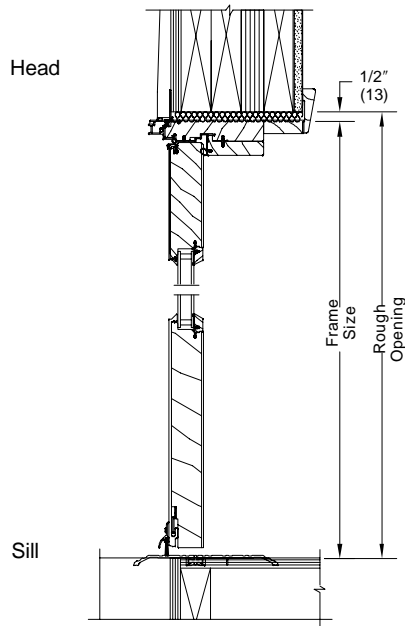
1 3/4" Panel shown.

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

CLAD COMMERCIAL DOOR

SECTION DETAILS: CONSTRUCTION

NOT TO SCALE



NOTE:

1 3/4" Panel shown.

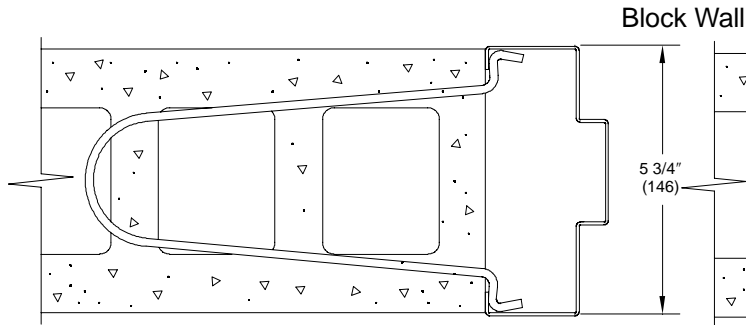
The above wall sections represent typical wall conditions, these details are not intended as installation instructions. Please refer to the installation instructions provided with the purchased units.

CLAD COMMERCIAL DOOR

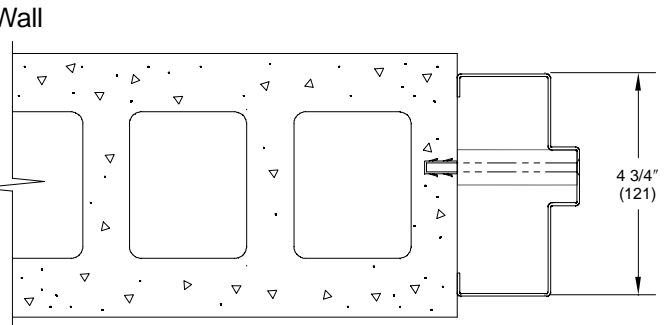
SECTION DETAILS: STEEL FRAME OPTIONS - 1 3/4" PANEL ONLY

NOT TO SCALE

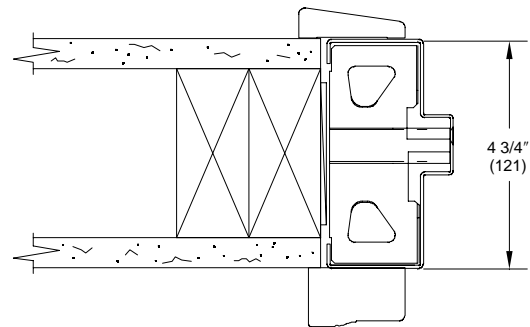
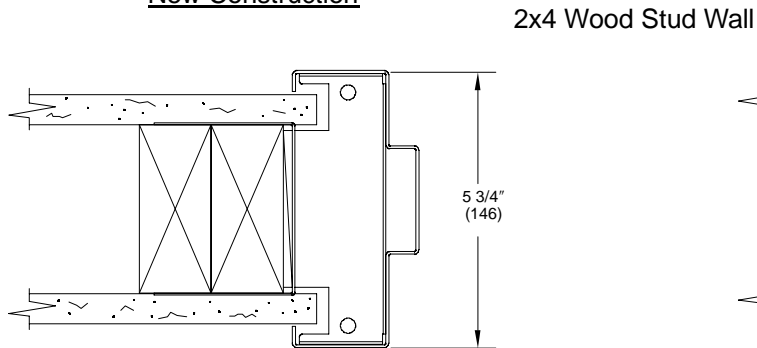
Butt Installation
5 3/4" Frame Width
New Construction



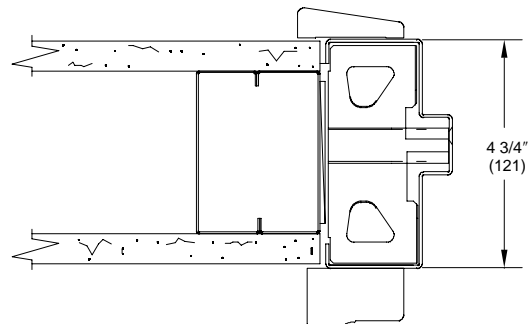
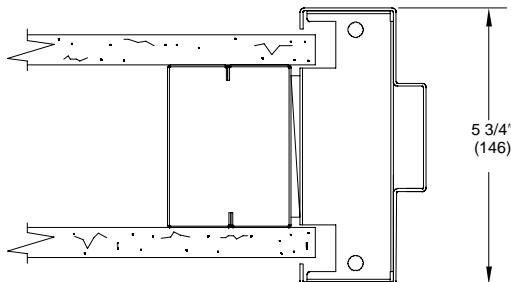
Butt Installation
4 3/4" Frame Width
Existing Opening



Wrap Mount
5 3/4" Frame Width
New Construction



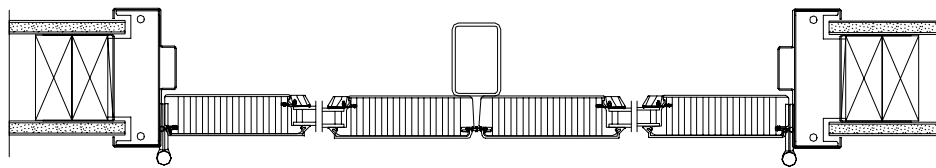
2x3.5 Steel Stud Wall



CLAD COMMERCIAL DOOR

SECTION DETAILS: REMOVABLE MULLION - 1 3/4" PANEL

SCALE: 1 1/2" = 1'



XX Jamb

5 3/4" Frame - New Construction

NOTE:

Optional Steel Frame available for 1 3/4" Panel only.
Optional Removable Mullion shown.