

CHAPTER 11A

CLAD DIRECT GLAZE ROUND TOPS

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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 DIRECT GLAZE ROUND TOPS

UNIT FEATURES / NFRC VALUES

Frame:

- Interior: Pine wood interior standard. Optional white oak, cherry, mahogany, vertical grain Douglas fir
- Exterior: Extruded aluminum, .050" (1.3) thick
- Frame thickness: 1 1/16" (17 mm)
- Frame width: 4 9/16" (116)

Interior and exterior finish:

- Interior finish: treated bare wood or white primed (pine only)
- Exterior finish: Two coat finish system using Kynar® or Hylar® resins, meets or exceeds AAMA 2604 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.

Jamb Extensions:

- Jamb extensions available for various wall thickness factory applied, finish to match interior

Removable Interior Grilles:

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

Interior / Exterior Simulated Divided Lite (SDL):

- Interior bar: 7/8" (22) or 1 1/8" (29) wide bars. Pine wood standard, optional white oak, cherry, mahogany or vertical grain Douglas fir. Finish to match interior
- Exterior bar: Extruded aluminum clad, 7/8" (22) or 1 1/8" (29) wide bars, finish to match exterior
- Pattern: Rectangular, custom lite layouts available, contact your Marvin representative
- Installation method: Factory applied with acrylic foam tape

Grilles-between-the-glass (GBG):

- 1 1/16" (17mm) white contoured aluminum bar. Optional flat aluminum spacer bar, contact your Marvin representative

Glass and Glazing:

- Glazing method: Insulated glass, hermetically sealed. Single glaze optional
- Glazing seal: Silicon glazed
- Glazing type: Clear glass, optional glass types: Low E II with argon, Laminated, Tempered, Obscure, Bronze tint, Gray tint, and Reflective Bronze
- Insulated glass will be altitude adjusted for higher elevations, argon gas not included

Accessories:

- Installation brackets: 6 3/8" (162), 9 3/8" (238), or 15 3/8" (390)
- Masonry brackets: 6" (152) or 10" (254)
- Nailing fin: Head jamb fin/drip cap, side jamb and sill fin. Head nailing fin with drip cap not designed to replace proper flashing
- Marvin SillGuard™
- Aluminum extrusions: Brick mould casing, Flat casing, Mullion cover, Frame expander, Mullion expander, Jamb extender

NOTE:

Values shown in parenthesis represent metric equivalents

For product specifications please refer to the CSI Product Specifications, contact your Marvin representative

NFRC Unit Values					
Glazing Type	U-Factor	R-Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Energy Star
Clad Direct Glaze Round Top					
Size Tested	48 x 48	48 x 48	48 x 48	48 x 48	
Insulating glass	0.49	2.04	0.67	0.71	-
Insulating glass - SDL with spacer bars	0.50	2.00	0.61	0.64	-
Insulating Low E II glass	0.33	3.03	0.36	0.63	N, NC, SC, S
Insulating Low E II glass - SDL with spacer bars	0.35	2.86	0.33	0.57	N, NC, SC, S
Insulating Low E II glass - Argon	0.29	3.45	0.36	0.63	N, NC, SC, S
Insulating Low E II glass - Argon, SDL with spacer bars	0.31	3.23	0.33	0.57	N, NC, SC, S

NOTE:

Product Values are determined using the National Fenestration Rating Council (NFRC) Procedures for determining fenestration product values.

U-Value: (Btu/hr-sq ft-°F) Lower the U-Value, the greater the resistance to heat flow and better its insulating value.

R-Value: (1/U-Value) Higher the R-Value, the greater the resistance to heat flow and better its insulating value.

Visible Light Transmittance (VLT): Percentage of visible light transmitted through the unit.

Solar Heat Gain Coefficient (SHGC): The lower a window's SHGC, the less solar heat it transmits, and the greater its shading ability.

Capillary tubes are required for IG units at high elevations. Argon will not be furnished in units with capillary tubes.

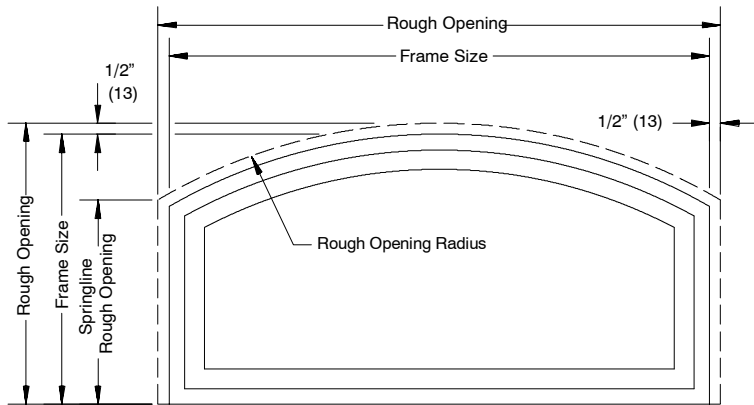
Contact the Architectural Department Hotline at (800-346-3363) for additional NFRC Unit Values.

CLAD DIRECT GLAZE ROUND TOPS

MEASUREMENT CONVERSIONS / MEASUREMENT PROCEDURES

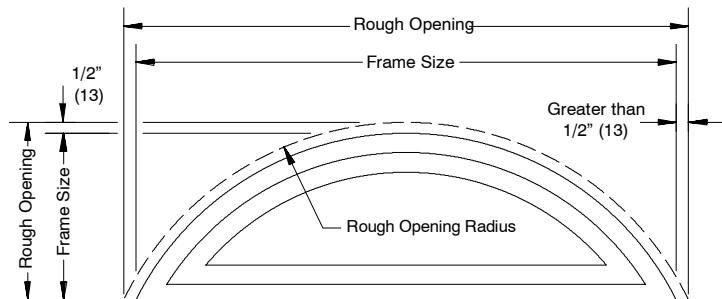
NOT TO SCALE

Measurement Conversions - Clad Round Top 1" Direct Glaze																			
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 3/8" (35)	Width		+ 3 1/8" (79)	Width		+ 4 1/8" (105)	Width		+ 3 5/8" (92)	Width		+ 6 1/4" (159)	Width		+ 9 5/8" (244)	
Glass Size	Height		+ 1 3/8" (35)	Height		+ 3 1/8" (79)	Height		+ 3 5/8" (92)	Height		+ 3 3/8" (86)	Height		+ 5 5/16" (135)	Height		+ 7" (178)	
	Width	- 1 3/8" (35)	Width		+ 1 3/4" (44)	Width		+ 2 3/4" (70)	Width		+ 2 1/4" (57)	Width		+ 4 7/8" (124)	Width		+ 8 1/4" (210)		
Frame Size	Height	- 1 3/8" (35)	Height		+ 1 3/4" (44)	Height		+ 2 1/4" (57)	Height		+ 2" (51)	Height		+ 3 15/16" (100)	Height		+ 5 5/8" (143)		
	Width	- 3 1/8" (79)	Width	- 1 3/4" (44)	Width		+ 1" (25)	Width		+ 1/2" (13)	Width		+ 3 1/8" (79)	Width		+ 6 1/2" (165)			
Rough Opening	Height	- 3 1/8" (79)	Height	- 1 3/4" (44)	Height		+ 1/2" (13)	Height		+ 1/4" (6)	Height		+ 2 3/16" (56)	Height		+ 3 7/8" (98)			
	Width	- 4 1/8" (105)	Width	- 2 3/4" (70)	Width	- 1" (25)	Width		+ 1/2" (13)	Width		- 1/2" (13)	Width		+ 2 1/8" (54)	Width		+ 5 1/2" (140)	
Masonry Opening (Without Casing)	Height	- 3 5/8" (184)	Height	- 2 1/4" (57)	Height	- 1/2" (13)	Height		+ 1/4" (6)	Height		- 1/4" (6)	Height		+ 1 11/16" (43)	Height		+ 3 3/8" (86)	
	Width	- 3 5/8" (92)	Width	- 2 1/4" (57)	Width	- 1/2" (13)	Width	+ 1/2" (13)	Width		+ 1/2" (13)	Width		- 2 5/8" (67)	Width		+ 2 5/8" (67)	Width	
Masonry Opening (With Brick Mould Casing)	Height	- 3 3/8" (86)	Height	- 2" (51)	Height	- 1/4" (6)	Height	+ 1/4" (6)	Height		+ 1/4" (6)	Height		+ 1 15/16" (49)	Height		+ 3 5/8" (92)		
	Width	- 6 1/4" (159)	Width	- 4 7/8" (124)	Width	- 3 1/8" (79)	Width	- 2 1/8" (54)	Width	- 2 5/8" (67)	Width		- 2 5/8" (67)	Width		+ 3 3/8" (86)			
Masonry Opening (With Flat Casing)	Height	- 5 5/16" (135)	Height	- 3 15/16" (100)	Height	- 2 3/16" (56)	Height	- 1 11/16" (43)	Height	- 1 15/16" (49)	Height		- 1 15/16" (49)	Height		+ 1 11/16" (43)			
	Width	- 9 5/8" (244)	Width	- 8 1/4" (210)	Width	- 6 1/2" (165)	Width	- 5 1/2" (140)	Width	- 6" (152)	Width	- 6" (152)	Width	- 3 3/8" (86)	Width		+ 3 3/8" (86)		
	Height	- 7" (178)	Height	- 5 5/8" (143)	Height	- 3 7/8" (98)	Height	- 3 3/8" (86)	Height	- 3 5/8" (92)	Height	- 3 5/8" (92)	Height	- 1 11/16" (43)	Height		+ 1 11/16" (43)		



NOTE:

On all units, we maintain our clearance or conversion dimension perpendicular to the frame. For this reason, standard rectangular conversions **cannot** be used for any unit involving a radius or angles. These must be calculated on an individual basis. If any dimension is critical (such as frame OSM to match lower unit) then the order should be placed with that dimension. The order will be converted to the accurate rough openings.



CLAD DIRECT GLAZE ROUND TOPS

MINIMUM AND MAXIMUM MEASUREMENTS / DESIGN PRESSURES / ELEVATIONS: RT1 / RT29 / RT27 / RT28

CAUTION: Marvin SillGuard™ is not recommended for these shapes.

Minimum and Maximum Measurements	
(The Maximums listed below are based on the square footage of a Rectangular Rough Opening)	
Glazing Type	Maximum Rough Opening
Clad Direct Glaze Round Top	
1" IG RT1 only	61 Sq. Feet (5.67 Sq. Meters)
RT27 & RT28	7 Ft. Diameter (10.85)
1" IG All Other Shapes	49 Sq. Feet (4.55 Sq. Meters)
Single Glaze RT1 only	49 Sq. Feet (4.55 Sq. Meters)
Single Glaze All Other Shapes	38 Sq. Feet (3.53 Sq. Meters)
(The Minimums listed below are based on Unit Rough Opening)	
Round Top Shape	Minimum Rough Opening
True Half RT1	18" x 9" (457 x 229)
Eyebrow above Springline RT6	9" x 9" (228 x 228)
Quarter Round RT7 or RT8	9 1/2" x 9" (241 x 228)
Full Circle RT27	21" x 21" (533 x 533)
Full Ellipse RT28	9 11/16" Frame Quasi Radius

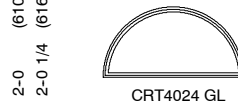
CLAD GLIDER SERIES

RT1-TRUE HALF CIRCLE DIRECT GLAZE

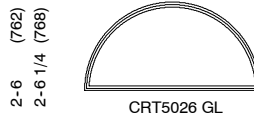
Mas. Opg. 3-0 (914)
Rgh. Opg. 3-0 1/2 (927)



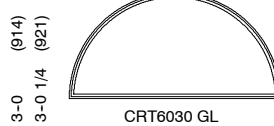
4-0 (1219)
4-0 1/2 (1232)



5-0 (1524)
5-0 1/2 (1537)



6-0 (1829)
6-0 1/2 (1842)

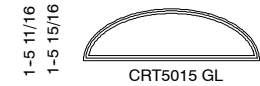


RT29-ELLIPTICAL DIRECT GLAZE

Mas. Opg. 4-0 (1219)
Rgh. Opg. 4-0 1/2 (1232)



5-0 (1524)
5-0 1/2 (1537)



6-0 (1829)
6-0 1/2 (1842)



Design Pressures

Clad Direct Glazed Round Tops are rated DP40 up to 120 x 72

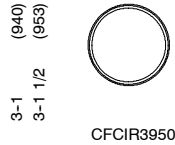
FULL CIRCLE AND ELLIPSE SERIES

RT27 - FULL CIRCLE DIRECT GLAZE

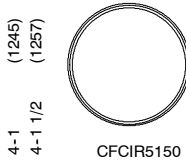
Mas. Opg. 2-1 (635)
Rgh. Opg. 2-1 1/2 (648)



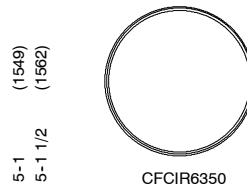
3-1 (940)
3-1 1/2 (953)



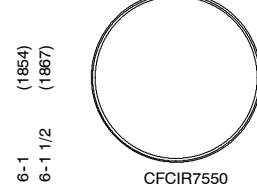
4-1 (1245)
4-1 1/2 (1257)



5-1 (1549)
5-1 1/2 (1562)

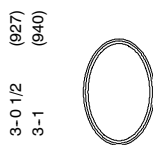


6-1 (1854)
6-1 1/2 (1867)

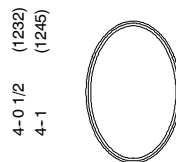


RT28 - FULL ELLIPSE DIRECT GLAZE

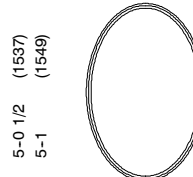
Mas. Opg. 2-0 1/2 (622)
Rgh. Opg. 2-1 (635)



2-8 1/2 (826)
2-9 (838)



3-4 1/2 (1029)
3-5 (1041)





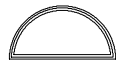
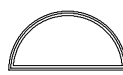
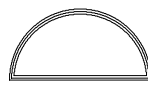

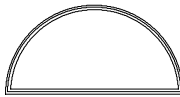
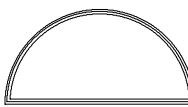
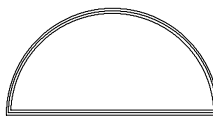
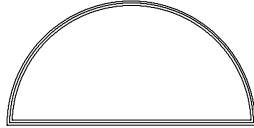
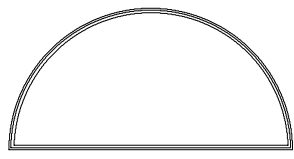
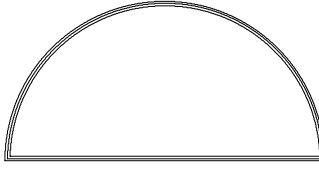
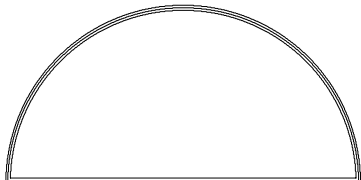


CLAD DIRECT GLAZE CASEMASTER ROUND TOP

ELEVATIONS: RT1 TRUE HALF CIRCLE
NOT TO SCALE

CAUTION: Marvin SillGuard™ is not recommended for these shapes.

CLAD CASEMASTER/AWNING SERIES RT1 - TRUE HALF CIRCLE DIRECT GLAZE

Mas. Opg. Rgh. Opg.	1-8 1/2 (521) 1-9 (533)	2-0 1/2 (622) 2-1 (635)	2-4 1/2 (724) 2-5 (737)	2-8 1/2 (826) 2-9 (838)
(260) (267)		(311) (318)	(362) (368)	(413) (419)
0-10 1/4 0-10 1/2	 * CRT2010 CM	 CRT2412 CM	 CRT2814 CM	 CRT3216 CM
	3-0 1/2 (927) 3-1 (940)	3-4 1/2 (1029) 3-5 (1041)	4-0 1/2 (1232) 4-1 (1245)	4-8 1/2 (1435) 4-9 (1448)
(464) (470)		(514) (521)	(616) (622)	(718) (724)
1-6 1/4 1-6 1/2	 CRT3618 CM	 CRT4020 CM	 CRT4824 CM	 CRT5628 CM
	5-0 1/2 (1537) 5-1 (1549)	5-4 1/2 (1638) 5-5 (1651)	6-0 1/2 (1842) 6-1 (1854)	7-0 1/2 (2146) 7-1 (2159)
(768) (775)		(819) (826)	(921) (927)	(1073) (1080)
2-6 1/4 2-6 1/2	 CRT6026 CM	 CRT6432 CM	 CRT7236 CM	 CRT8442 CM
	8-0 1/2 (2451) 8-1 (2464)		9-0 1/2 (2756) 9-1 (2769)	
(1251) (1232)			(1378) (1384)	
4-0 1/4 4-0 1/2	 CRT9648 CM		 CRT10854 CM	
		10-0 1/2 (3061) 10-1 (3073)		
(1530) (1537)				
5-0 1/4 5-0 1/2		 CRT12060 CM		

NOTE:

Elevations shown as Direct Glaze, units available as Casemaster Stationary In-Sash.
* Not available In-Sash.

CLAD DIRECT GLAZE CASEMASTER ROUND TOP

ELEVATIONS: RT29 ELLIPTICAL / RT15, RT16 QUARTER CIRCLE
NOT TO SCALE

CAUTION: Marvin SillGuard™ is not recommended for these shapes.

CLAD CASEMASTER/AWNING SERIES RT29 - ELLIPTICAL DIRECT GLAZE

Mas. Opg. 3-4 1/2 (1029)
Rgh. Opg. 3-5 (1041)

(449)
(456)

1-5 11/16
1-5 15/16



CRT4017 CM

4-0 1/2 (1232)
4-1 (1245)

(449)
(456)

1-5 11/16
1-5 15/16



CRT4817 CM

4-8 1/2 (1435)
4-9 (1448)

(449)
(456)

1-5 11/16
1-5 15/16



CRT5617 CM

6-0 1/2 (1842)
6-1 (1854)

(449)
(456)

1-5 11/16
1-5 15/16



CRT7217 CM

Mas. Opg. 7-0 1/2 (2146)
Rgh. Opg. 7-1 (2159)

(449)
(456)

1-5 11/16
1-5 15/16



CRT8417 CM

RT15,RT16 - QUARTER CIRCLE DIRECT GLAZE

Mas. Opg. 1-8 1/2 (521)
Rgh. Opg. 1-9 (533)

(492)
(498)

1-7 3/8
1-7 5/8



CQCIR2020 CM

2-0 1/2 (622)
2-1 (635)

(594)
(600)

1-11 3/8
1-11 5/8



CQCIR2424 CM

2-4 1/2 (724)
2-5 (737)

(695)
(702)

2-3 3/8
2-3 5/8

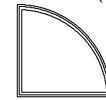


CQCIR2828 CM

2-8 1/2 (826)
2-9 (838)

(797)
(803)

2-7 3/8
2-7 5/8

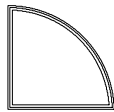


CQCIR3232 CM

Mas. Opg. 3-0 1/2 (927)
Rgh. Opg. 3-1 (940)

(898)
(905)

2-11 3/8
2-11 5/8

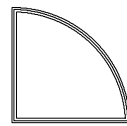


CQCIR3636 CM

3-4 1/2 (1029)
3-5 (1041)

(1000)
(1006)

3-3 3/8
3-3 5/8

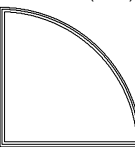


CQCIR4040 CM

4-0 1/2 (1232)
4-1 (1245)

(1203)
(1210)

3-11 3/8
3-11 5/8



CQCIR4848 CM

NOTE:

Elevations shown as Direct Glaze, units available as Casemaster Stationary In-Sash.

CLAD DIRECT GLAZE CASEMASTER ROUND TOP

ELEVATIONS: RT6 EYEBROW ABOVE SPRINGLINE

NOT TO SCALE

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™. (SillGuard requires minimum of 6" RO springline).

CLAD CASEMASTER/AWNING SERIES RT6 - EYEBROW ABOVE SPRINGLINE DIRECT GLAZE

Mas. Opg.	2-0 1/2 (622)	2-4 1/2 (724)	2-8 1/2 (826)	3-0 1/2 (927)	3-4 1/2 (1029)
Mas. Opg. Rad.	2-0 1/4 (616)	2-0 1/4 (616)	2-6 1/4 (768)	2-6 1/4 (768)	3-4 1/4 (1022)
Rgh. Opg.	2-1 (635)	2-5 (737)	2-9 (838)	3-1 (940)	3-5 (1041)
Rgh. Opg. Rad.	2-0 1/2 (622)	2-0 1/2 (622)	2-6 1/2 (775)	2-6 1/2 (775)	3-4 1/2 (1029)

Mas. Opg.	1-0 1/4 (311)	1-0 1/4 (311)	1-0 1/4 (311)	1-0 1/4 (311)	1-0 1/4 (311)
Mas. Opg. Rad.	0-8 15/16 (227)	0-7 5/8 (194)	0-7 1/2 (191)	0-6 1/8 (156)	0-6 13/16(173)
Rgh. Opg.	0-9 1/16 (230)	0-7 3/4 (197)	0-7 1/2 (191)	0-6 1/4 (159)	0-6 15/16(176)
Rgh. Opg. Rad.	0-9 1/16 (230)	0-7 3/4 (197)	0-7 1/2 (191)	0-6 1/4 (159)	0-6 15/16(176)

Mas. Opg.	1-6 1/4 (464)	1-6 1/4 (464)	1-6 1/4 (464)	1-6 1/4 (464)	1-6 1/4 (464)
Mas. Opg. Rad.	1-2 15/16(379)	1-1 5/8 (346)	1-1 9/16 (344)	1-0 1/8 (308)	1-0 13/16(325)
Rgh. Opg.	1-3 1/16 (383)	1-1 3/4 (349)	1-1 1/2 (348)	1-0 1/4 (311)	1-0 13/16(325)
Rgh. Opg. Rad.	1-3 1/16 (383)	1-1 3/4 (349)	1-1 1/2 (348)	1-0 1/4 (311)	1-0 13/16(325)

Mas. Opg.	2-0 1/4 (616)	2-0 1/4 (616)	2-0 1/4 (616)	2-0 1/4 (616)	2-0 1/4 (616)
Mas. Opg. Rad.	1-8 15/16(532)	1-7 9/16 (498)	1-7 9/16 (497)	1-6 1/8 (460)	1-6 13/16(478)
Rgh. Opg.	2-0 1/2 (622)	2-0 1/2 (622)	2-0 1/2 (622)	2-0 1/2 (622)	2-0 1/2 (622)
Rgh. Opg. Rad.	1-9 1/16 (535)	1-7 3/4 (502)	1-7 11/16(500)	1-6 1/4 (464)	1-6 15/16(481)

Mas. Opg.	3-0 1/4 (921)	3-0 1/4 (921)	3-0 1/4 (921)	3-0 1/4 (921)	3-0 1/4 (921)
Mas. Opg. Rad.	2-8 15/16(837)	2-7 5/8 (803)	2-7 9/16 (802)	2-6 1/8 (765)	2-6 13/16(783)
Rgh. Opg.	3-0 1/2 (927)	3-0 1/2 (927)	3-0 1/2 (927)	3-0 1/2 (927)	3-0 1/2 (927)
Rgh. Opg. Rad.	2-9 1/16 (840)	2-7 3/4 (806)	2-7 11/16 (805)	2-6 1/4 (768)	2-6 15/16(786)

Mas. Opg.	4-0 1/4 (1226)	4-0 1/4 (1226)	4-0 1/4 (1226)	4-0 1/4 (1226)	4-0 1/4 (1226)
Mas. Opg. Rad.	3-8 15/16 (1141)	3-7 5/8 (1108)	3-7 9/16 (1106)	3-6 1/8 (1070)	3-6 13/16 (1087)
Rgh. Opg.	4-0 1/2 (1232)	4-0 1/2 (1232)	4-0 1/2 (1232)	4-0 1/2 (1232)	4-0 1/2 (1232)
Rgh. Opg. Rad.	3-9 1/6 (1145)	3-7 3/4 (1111)	3-7 11/16 (1110)	3-6 1/4 (1073)	3-6 15/16 (1091)

Mas. Opg.	5-0 1/4 (1530)	5-0 1/4 (1530)	5-0 1/4 (1530)	5-0 1/4 (1530)	5-0 1/4 (1530)
Mas. Opg. Rad.	4-8 15/16 (1446)	4-7 5/8 (1413)	4-7 9/16 (1411)	4-6 1/8 (1375)	4-6 13/16(1392)
Rgh. Opg.	5-0 1/2 (1537)	5-0 1/2 (1537)	5-0 1/2 (1537)	5-0 1/2 (1537)	5-0 1/2 (1537)
Rgh. Opg. Rad.	4-9 1/16 (1449)	4-7 3/4 (1416)	4-7 11/16 (1414)	4-6 1/4 (1378)	4-6 15/16(1395)

Mas. Opg.	6-0 1/4 (1835)	6-0 1/4 (1835)	6-0 1/4 (1835)	6-0 1/4 (1835)	6-0 1/4 (1835)
Mas. Opg. Rad.	5-8 15/16 (1751)	5-7 5/8 (1718)	5-7 9/16 (1716)	5-6 1/8 (1680)	5-6 13/16(1697)
Rgh. Opg.	6-0 1/2 (1842)	6-0 1/2 (1842)	6-0 1/2 (1842)	6-0 1/2 (1842)	6-0 1/2 (1842)
Rgh. Opg. Rad.	5-9 1/16 (1754)	5-7 3/4 (1721)	5-7 11/16(1719)	5-6 1/4 (1683)	5-6 15/16(1700)

NOTE: Elevations shown as Direct Glaze, units available as Casemaster Stationary In-Sash.



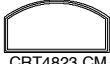









CLAD DIRECT GLAZE CASEMASTER ROUND TOP

ELEVATIONS: RT6 EYEBROW ABOVE SPRINGLINE

NOT TO SCALE

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™. (SillGuard requires minimum of 6" RO springline).

CLAD CASEMASTER/AWNING SERIES RT6 - EYEBROW ABOVE SPRINGLINE DIRECT GLAZE

Mas. Opg.	4-0 1/2 (1232)		4-8 1/2 (1435)		6-0 1/2 (1842)
Mas. Opg. Rad.	3-4 1/4 (1022)		4-6 1/4 (1378)		6-0 1/4 (1835)
Rgh. Opg.	4-1 (1245)		4-9 (1448)		6-1 (1854)
Rgh. Opg. Rad.	3-4 1/2 (1029)		4-6 1/2 (1384)		6-0 1/2 (1842)
	1-6 1/4 (464) 0-10 1/8 (257) 1-6 1/2 (470) 0-10 1/4 (260)		1-6 1/4 (464) 0-10 5/16 (262) 1-6 1/2 (470) 0-10 7/16 (265)		1-6 1/4 (464) 0-8 1/2 (216) 1-6 1/2 (470) 0-8 5/8 (219)
	2-0 1/4 (616) 1-4 1/8 (410) 2-0 1/2 (622) 1-4 1/4 (413)		2-0 1/4 (616) 1-4 5/16 (414) 2-0 1/2 (622) 1-4 7/16 (418)		2-0 1/4 (616) 1-2 1/2 (368) 2-0 1/2 (622) 1-2 5/8 (371)
	3-0 1/4 (921) 2-4 1/8 (714) 3-0 1/2 (927) 2-4 1/4 (718)		3-0 1/4 (921) 2-4 5/16 (719) 3-0 1/2 (927) 2-4 7/16 (722)		3-0 1/4 (921) 2-2 1/2 (673) 3-0 1/2 (927) 2-2 5/8 (676)
	4-0 1/4 (1226) 3-4 1/8 (1019) 4-0 1/2 (1232) 3-4 1/4 (1022)		4-0 1/4 (1226) 3-4 5/16 (1024) 4-0 1/2 (1232) 3-4 7/16 (1027)		4-0 1/4 (1226) 3-2 1/2 (978) 4-0 1/2 (1232) 3-2 5/8 (981)
	5-0 1/4 (1530) 4-4 1/8 (1324) 5-0 1/2 (1537) 4-4 1/4 (1327)		5-0 1/4 (1530) 4-4 5/16 (1329) 5-0 1/2 (1537) 4-4 7/16 (1332)		5-0 1/4 (1530) 4-2 1/2 (1283) 5-0 1/2 (1537) 4-2 5/8 (1286)
	6-0 1/4 (1835) 5-4 1/8 (1629) 6-0 1/2 (1842) 5-4 1/4 (1632)		6-0 1/4 (1835) 5-4 5/16 (1634) 6-0 1/2 (1842) 5-4 7/16 (1637)		6-0 1/4 (1835) 5-2 1/2 (1589) 6-0 1/2 (1842) 5-2 5/8 (1591)
Mas. Opg. SpIn					
Mas. Opg.					
Rgh. Opg.					
Rgh. Opg. SpIn					

NOTE:





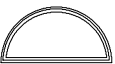
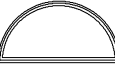


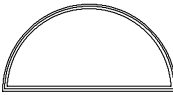
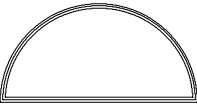
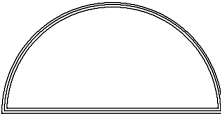
Elevations shown as Direct Glaze, units available as Casemaster Stationary In-Sash.

CLAD DIRECT GLAZE ULTIMATE DOUBLE HUNG ROUND TOP





ELEVATIONS: RT1 TRUE HALF / RT29 ELLIPTICAL / RT2 TRUE HALF CIRCLE
NOT TO SCALE

CAUTION: Marvin SillGuard™ is not recommended for these shapes.

CLAD ULTIMATE DOUBLE HUNG SERIES RT1 - TRUE HALF CIRCLE DIRECT GLAZE

Mas. Opg. Rgh. Opg.	2-5 7/8 (759) 2-6 3/8 (772)		2-7 7/8 (810) 2-8 3/8 (822)		2-9 7/8 (860) 2-10 3/8 (873)		2-11 7/8 (911) 3-0 3/8 (924)	
	1-2 15/16 (379) 1-3 3/16 (386)	CRT2914 DH	1-3 15/16 (405) 1-4 3/16 (411)	CRT3115 DH	1-4 15/16 (430) 1-5 3/16 (437)	CRT3316 DH	1-5 15/16 (456) 1-6 3/16 (462)	CRT3517 DH
	3-1 7/8 (962) 3-2 3/8 (975)		3-5 7/8 (1064) 3-6 3/8 (1076)		3-9 7/8 (1165) 3-10 3/8 (1178)		4-3 1/4 (1302) 4-3 3/4 (1314)	
	1-6 15/16 (481) 1-7 3/16 (487)	CRT3718 DH	1-8 15/16 (532) 1-9 3/16 (538)	CRT4120 DH	1-10 15/16 (583) 1-11 3/16 (589)	CRT4522 DH	2-1 5/8 (651) 2-1 7/8 (657)	CRT5025 DH
	4-11 1/4 (1505) 4-11 3/4 (1518)		5-7 1/4 (1708) 5-7 3/4 (1721)		6-3 1/4 (1911) 6-3 3/4 (1924)			
Mas. Opg. Rgh. Opg.	2-5 5/8 (752) 2-5 7/8 (759)	CRT5828 DH	2-9 5/8 (854) 2-9 7/8 (860)	CRT6632 DH	3-1 5/8 (956) 3-1 7/8 (962)	CRT7437 DH		

RT29 - ELLIPTICAL DIRECT GLAZE

Mas. Opg. Rgh. Opg.	4-3 1/4 (1302) 4-3 3/4 (1314)		4-11 1/4 (1505) 4-11 3/4 (1518)		5-7 1/4 (1708) 5-7 3/4 (1721)		6-3 1/4 (1911) 6-3 3/4 (1924)	
	1-5 11/16 (449) 1-5 15/16 (456)	CRT5118 DH	1-5 11/16 (449) 1-5 15/16 (456)	CRT5918 DH	1-5 11/16 (449) 1-5 15/16 (456)	CRT6718 DH	1-5 11/16 (449) 1-5 15/16 (456)	CRT7518 DH
Mas. Opg. Rgh. Opg.	1-5 11/16 (449) 1-5 15/16 (456)		1-5 11/16 (449) 1-5 15/16 (456)		1-5 11/16 (449) 1-5 15/16 (456)		1-5 11/16 (449) 1-5 15/16 (456)	

CLAD DIRECT GLAZE ULTIMATE DOUBLE HUNG ROUND TOP

ELEVATIONS: RT6 EYEBROW ABOVE SPRINGLINE
NOT TO SCALE

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™. (SillGuard requires minimum of 6" RO springline).

CLAD ULTIMATE DOUBLE HUNG SERIES

RT6 - EYEBROW ABOVE SPRINGLINE DIRECT GLAZE

Mas. Opp. Mas. Opp. Rad. Rgh. Opp. Rgh. Opp. Rad.	2-1 7/8 (657) 2-0 1/4 (616) 2-2 3/8 (670) 2-0 1/2 (622)	2-5 7/8 (759) 2-0 1/4 (616) 2-6 3/8 (772) 2-0 1/2 (622)	2-7 7/8 (810) 2-6 1/4 (768) 2-8 3/8 (822) 2-6 1/2 (775)	2-9 7/8 (860) 2-6 1/4 (768) 2-10 3/8 (873) 2-6 1/2 (775)	2-11 7/8 (911) 2-6 1/4 (768) 3-0 3/8 (924) 2-6 1/2 (775)	3-1 7/8 (962) 2-6 1/4 (768) 3-2 3/8 (975) 3-4 1/2 (1029)
	1-0 1/4 (311) 0-8 1/2 (216) 1-0 1/2 (318) 0-8 5/8 (219)	1-0 1/4 (311) 0-7 3/8 (216) 1-0 1/2 (318) 0-7 7/8 (218)	1-0 1/4 (311) 0-7 3/4 (197) 1-0 1/2 (318) 0-7 7/8 (200)	1-0 1/4 (311) 0-7 1/16 (179) 1-0 1/2 (318) 0-7 3/16 (183)	1-0 1/4 (311) 0-6 3/8 (162) 1-0 1/2 (318) 0-6 1/2 (165)	1-0 1/4 (311) 0-7 9/16 (192) 1-0 1/2 (318) 0-7 11/16 (195)
	1-6 1/4 (464) 1-2 1/2 (368) 1-6 1/2 (470) 1-2 5/8 (371)	1-6 1/4 (464) 1-1 3/8 (353) 1-6 1/2 (470) 1-1 7/8 (356)	1-6 1/4 (464) 1-1 3/4 (349) 1-6 1/2 (470) 1-1 7/8 (352)	1-6 1/4 (464) 1-1 1/16 (332) 1-6 1/2 (470) 1-1 3/16 (335)	1-6 1/4 (464) 1-0 3/8 (315) 1-6 1/2 (470) 1-0 1/2 (318)	1-6 1/4 (464) 1-1 9/16 (344) 1-6 1/2 (470) 1-1 11/16 (348)
	2-0 1/4 (616) 1-8 1/2 (521) 2-0 1/2 (622) 1-8 5/8 (524)	2-0 1/4 (616) 1-7 3/8 (485) 2-0 1/2 (622) 1-7 7/8 (488)	2-0 1/4 (616) 1-7 3/4 (502) 2-0 1/2 (622) 1-7 7/8 (505)	2-0 1/4 (616) 1-7 1/16 (484) 2-0 1/2 (622) 1-7 3/16 (487)	2-0 1/4 (616) 1-6 3/8 (467) 2-0 1/2 (622) 1-6 1/2 (470)	2-0 1/4 (616) 1-7 9/16 (497) 2-0 1/2 (622) 1-7 11/16 (500)
	3-0 1/4 (921) 2-8 1/2 (826) 3-0 1/2 (927) 2-8 5/8 (829)	3-0 1/4 (921) 2-7 3/8 (790) 3-0 1/2 (927) 2-7 7/8 (793)	3-0 1/4 (921) 2-7 3/4 (807) 3-0 1/2 (927) 2-7 7/8 (810)	3-0 1/4 (921) 2-7 1/16 (789) 3-0 1/2 (927) 2-7 3/16 (792)	3-0 1/4 (921) 2-6 3/8 (772) 3-0 1/2 (927) 2-6 1/2 (775)	3-0 1/4 (921) 1-107/16 (802) 3-0 1/2 (927) 1-110/16 (805)
	4-0 1/4 (1226) 3-8 1/2 (1130) 4-0 1/2 (1232) 3-8 5/8 (1133)	4-0 1/4 (1226) 3-7 3/8 (1095) 4-0 1/2 (1232) 3-7 7/8 (1098)	4-0 1/4 (1226) 3-7 3/4 (1111) 4-0 1/2 (1232) 3-7 7/8 (1114)	4-0 1/4 (1226) 3-7 1/16 (1094) 4-0 1/2 (1232) 3-7 3/16 (1097)	4-0 1/4 (1226) 3-6 3/8 (1076) 4-0 1/2 (1232) 3-6 1/2 (1080)	4-0 1/4 (1226) 3-7 9/16 (1107) 4-0 1/2 (1232) 3-7 11/16 (1110)
	5-0 1/4 (1530) 4-8 1/2 (1435) 5-0 1/2 (1537) 4-8 5/8 (1438)	5-0 1/4 (1530) 4-7 3/8 (1400) 5-0 1/2 (1537) 4-7 7/8 (1403)	5-0 1/4 (1530) 4-7 3/4 (1416) 5-0 1/2 (1537) 4-7 7/8 (1419)	5-0 1/4 (1530) 4-7 1/16 (1399) 5-0 1/2 (1537) 4-7 3/16 (1402)	5-0 1/4 (1530) 4-6 3/8 (1381) 5-0 1/2 (1537) 4-6 1/2 (1384)	5-0 1/4 (1530) 4-7 9/16 (1411) 5-0 1/2 (1537) 4-7 11/16 (1414)
	6-0 1/4 (1835) 5-8 1/2 (1740) 6-0 1/2 (1842) 5-8 5/8 (1743)	6-0 1/4 (1835) 5-7 3/8 (1704) 6-0 1/2 (1842) 5-7 7/8 (1707)	6-0 1/4 (1835) 5-7 3/4 (1721) 6-0 1/2 (1842) 5-7 7/8 (1724)	6-0 1/4 (1835) 5-7 1/16 (1703) 6-0 1/2 (1842) 5-7 3/16 (1707)	6-0 1/4 (1835) 5-6 3/8 (1686) 6-0 1/2 (1842) 5-6 1/2 (1689)	6-0 1/4 (1835) 5-7 9/16 (1716) 6-0 1/2 (1842) 5-7 11/16 (1719)
	CRT2511 DH	CRT2911 DH	CRT3111 DH	CRT3311 DH	CRT3511 DH	CRT3711 DH
	CRT2519 DH	CRT2919 DH	CRT3119 DH	CRT3319 DH	CRT3519 DH	CRT3719 DH
	CRT2523 DH	CRT2923 DH	CRT3123 DH	CRT3323 DH	CRT3523 DH	CRT3723 DH
	CRT2535 DH	CRT2935 DH	CRT3135 DH	CRT3335 DH	CRT3535 DH	CRT3735 DH
	CRT2547 DH	CRT2947 DH	CRT3147 DH	CRT3347 DH	CRT3547 DH	CRT3747 DH
	CRT2559 DH	CRT2959 DH	CRT3159 DH	CRT3359 DH	CRT3559 DH	CRT3759 DH
	CRT2571 DH	CRT2971 DH	CRT3171 DH	CRT3371 DH	CRT3571 DH	CRT3771 DH

CLAD DIRECT GLAZE ULTIMATE DOUBLE HUNG

ROUND TOP



















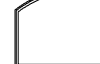





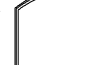










ELEVATIONS: RT6 EYEBROW ABOVE SPRINGLINE

NOT TO SCALE

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™. (SillGuard requires minimum of 6" RO springline).

CLAD ULTIMATE DOUBLE HUNG SERIES

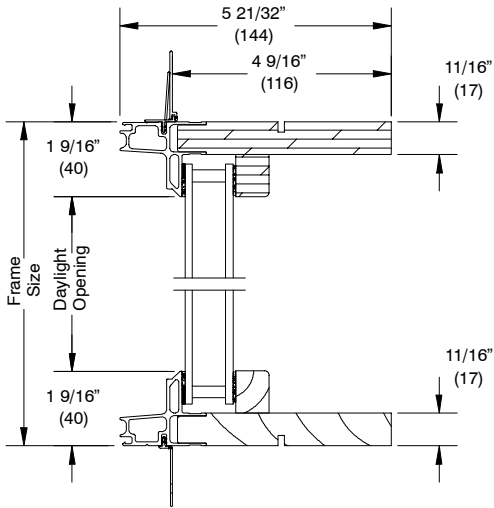
RT6 - EYEBROW ABOVE SPRINGLINE DIRECT GLAZE

Mas. Opg.	3-5 7/8 (1064)	3-9 7/8 (1165)	4-3 1/4 (1302)	4-11 1/4 (1505)	5-7 1/4 (1708)	6-3 1/4 (1911)
Mas. Opg. Rad.	3-4 1/4 (1022)	3-4 1/4 (1022)	3-4 1/4 (1022)	4-6 1/4 (1378)	6-0 1/4 (1835)	6-0 1/4 (1835)
Rgh. Opg.	3-6 3/8 (1076)	3-10 3/8 (1178)	4-3 3/4 (1314)	4-11 3/4 (1518)	5-7 3/4 (1721)	6-3 3/4 (1924)
Rgh. Opg. Rad.	3-4 1/2 (1029)	3-4 1/2 (1029)	3-4 1/2 (1029)	4-6 1/2 (1384)	6-0 1/2 (1842)	6-0 1/2 (1842)
Mas. Opg.	1-0 1/4 (311)					
Mas. Opg. Rad.	0-6 3/8 (162)					
Rgh. Opg.	1-0 1/2 (318)					
Rgh. Opg. Rad.	0-6 1/2 (165)					
						
Mas. Opg.	1-6 1/4 (464)					
Mas. Opg. Rad.	1-0 3/8 (315)					
Rgh. Opg.	1-6 1/2 (470)					
Rgh. Opg. Rad.	1-0 1/2 (318)					
						
Mas. Opg.	1-6 1/4 (464)					
Mas. Opg. Rad.	1-0 3/8 (315)					
Rgh. Opg.	1-6 1/2 (470)					
Rgh. Opg. Rad.	1-0 1/2 (318)					
						
Mas. Opg.	1-6 1/4 (464)					
Mas. Opg. Rad.	1-0 3/8 (315)					
Rgh. Opg.	1-6 1/2 (470)					
Rgh. Opg. Rad.	1-0 1/2 (318)					
						
Mas. Opg.	1-6 1/4 (464)					
Mas. Opg. Rad.	1-0 3/8 (315)					
Rgh. Opg.	1-6 1/2 (470)					
Rgh. Opg. Rad.	1-0 1/2 (318)					
						
Mas. Opg.	1-6 1/4 (464)					
Mas. Opg. Rad.	1-0 3/8 (315)					
Rgh. Opg.	1-6 1/2 (470)					
Rgh. Opg. Rad.	1-0 1/2 (318)					
						
Mas. Opg.	1-6 1/4 (464)					
Mas. Opg. Rad.	1-0 3/8 (315)					
Rgh. Opg.	1-6 1/2 (470)					
Rgh. Opg. Rad.	1-0 1/2 (318)					
						
Mas. Opg.	2-0 1/4 (616)					
Mas. Opg. Rad.	1-6 3/8 (467)					
Rgh. Opg.	2-0 1/2 (622)					
Rgh. Opg. Rad.	1-6 1/2 (470)					
						
Mas. Opg.	2-0 1/4 (616)					
Mas. Opg. Rad.	1-6 3/8 (467)					
Rgh. Opg.	2-0 1/2 (622)					
Rgh. Opg. Rad.	1-6 1/2 (470)					
						
Mas. Opg.	2-0 1/4 (616)					
Mas. Opg. Rad.	1-6 3/8 (467)					
Rgh. Opg.	2-0 1/2 (622)					
Rgh. Opg. Rad.	1-6 1/2 (470)					
						
Mas. Opg.	2-0 1/4 (616)					
Mas. Opg. Rad.	1-6 3/8 (467)					
Rgh. Opg.	2-0 1/2 (622)					
Rgh. Opg. Rad.	1-6 1/2 (470)					
						
Mas. Opg.	2-0 1/4 (616)					
Mas. Opg. Rad.	1-6 3/8 (467)					
Rgh. Opg.	2-0 1/2 (622)					
Rgh. Opg. Rad.	1-6 1/2 (470)					
						
Mas. Opg.	2-0 1/4 (616)					
Mas. Opg. Rad.	1-6 3/8 (467)					
Rgh. Opg.	2-0 1/2 (622)					
Rgh. Opg. Rad.	1-6 1/2 (470)					
						
Mas. Opg.	3-0 1/4 (921)					
Mas. Opg. Rad.	2-6 3/8 (772)					
Rgh. Opg.	3-0 1/2 (927)					
Rgh. Opg. Rad.	2-6 1/2 (775)					
						
Mas. Opg.	3-0 1/4 (921)					
Mas. Opg. Rad.	2-6 3/8 (772)					
Rgh. Opg.	3-0 1/2 (927)					
Rgh. Opg. Rad.	2-6 1/2 (775)					
						
Mas. Opg.	3-0 1/4 (921)					
Mas. Opg. Rad.	2-6 3/8 (772)					
Rgh. Opg.	3-0 1/2 (927)					
Rgh. Opg. Rad.	2-6 1/2 (775)					
						
Mas. Opg.	3-0 1/4 (921)					
Mas. Opg. Rad.	2-6 3/8 (772)					
Rgh. Opg.	3-0 1/2 (927)					
Rgh. Opg. Rad.	2-6 1/2 (775)					
						
Mas. Opg.	3-0 1/4 (921)					
Mas. Opg. Rad.	2-6 3/8 (772)					
Rgh. Opg.	3-0 1/2 (927)					
Rgh. Opg. Rad.	2-6 1/2 (775)					
						
Mas. Opg.	3-0 1/4 (921)					
Mas. Opg. Rad.	2-6 3/8 (772)					
Rgh. Opg.	3-0 1/2 (927)					
Rgh. Opg. Rad.	2-6 1/2 (775)					
						
Mas. Opg.	4-0 1/4 (1226)					
Mas. Opg. Rad.	3-6 3/8 (1076)					
Rgh. Opg.	4-0 1/2 (1232)					
Rgh. Opg. Rad.	3-6 1/2 (1080)					
						
Mas. Opg.	4-0 1/4 (1226)					
Mas. Opg. Rad.	3-6 3/8 (1076)					
Rgh. Opg.	4-0 1/2 (1232)					
Rgh. Opg. Rad.	3-6 1/2 (1080)					
						
Mas. Opg.	4-0 1/4 (1226)					
Mas. Opg. Rad.	3-6 3/8 (1076)					
Rgh. Opg.	4-0 1/2 (1232)					
Rgh. Opg. Rad.	3-6 1/2 (1080)					
						
Mas. Opg.	4-0 1/4 (1226)					
Mas. Opg. Rad.	3-6 3/8 (1076)					
Rgh. Opg.	4-0 1/2 (1232)					
Rgh. Opg. Rad.	3-6 1/2 (1080)					
						
Mas. Opg.	4-0 1/4 (1226)					
Mas. Opg. Rad.	3-6 3/8 (1076)					
Rgh. Opg.	4-0 1/2 (1232)					
Rgh. Opg. Rad.	3-6 1/2 (1080)					
						
Mas. Opg.	4-0 1/4 (1226)					
Mas. Opg. Rad.	3-6 3/8 (1076)					
Rgh. Opg.	4-0 1/2 (1232)					
Rgh. Opg. Rad.	3-6 1/2 (1080)					
						
Mas. Opg.	5-0 1/4 (1530)					
Mas. Opg. Rad.	4-6 3/8 (1381)					
Rgh. Opg.	5-0 1/2 (1537)					
Rgh. Opg. Rad.	4-6 1/2 (1384)					
						
Mas. Opg.	5-0 1/4 (1530)					
Mas. Opg. Rad.	4-6 3/8 (1381)					
Rgh. Opg.	5-0 1/2 (1537)					
Rgh. Opg. Rad.	4-6 1/2 (1384)					
						
Mas. Opg.	5-0 1/4 (1530)					
Mas. Opg. Rad.	4-6 3/8 (1381)					
Rgh. Opg.	5-0 1/2 (1537)					
Rgh. Opg. Rad.	4-6 1/2 (1384)					
						
Mas. Opg.	5-0 1/4 (1530)					
Mas. Opg. Rad.	4-6 3/8 (1381)					
Rgh. Opg.	5-0 1/2 (1537)					
Rgh. Opg. Rad.	4-6 1/2 (1384)					
						
Mas. Opg.	5-0 1/4 (1530)					
Mas. Opg. Rad.	4-6 3/8 (1381)					
Rgh. Opg.	5-0 1/2 (1537)					
Rgh. Opg. Rad.	4-6 1/2 (1384)					
						
Mas. Opg.	5-0 1/4 (1530)					
Mas. Opg. Rad.	4-6 3/8 (1381)					
Rgh. Opg.	5-0 1/2 (1537)					
Rgh. Opg. Rad.	4-6 1/2 (1384)					
						
Mas. Opg.	6-0 1/4 (1835)					
Mas. Opg. Rad.	5-6 3/8 (1686)					
Rgh. Opg.	6-0 1/2 (1842)					
Rgh. Opg. Rad.	5-6 1/2 (1689)					
						
Mas. Opg.	6-0 1/4 (1835)					
Mas. Opg. Rad.	5-6 3/8 (1686)					
Rgh. Opg.	6-0 1/2 (1842)					
Rgh. Opg. Rad.	5-6 1/2 (1689)					
						
Mas. Opg.	6-0 1/4 (1835)					
Mas. Opg. Rad.	5-6 3/8 (1686)					
Rgh. Opg.	6-0 1/2 (1842)					
Rgh. Opg. Rad.	5-6 1/2 (1689)					
						
Mas. Opg.	6-0 1/4 (1835)					
Mas. Opg. Rad.	5-6 3/8 (1686)					
Rgh. Opg.	6-0 1/2 (1842)					
Rgh. Opg. Rad.	5-6 1/2 (1689)					
						
Mas. Opg.	6-0 1/4 (1835)					
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Rgh. Opg.	6-0 1/2 (1842)					
Rgh. Opg. Rad.	5-6 1/2 (1689)					

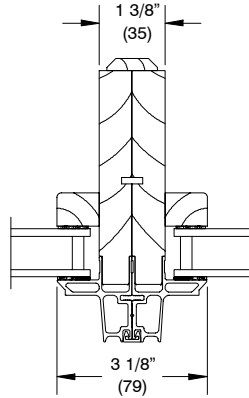
CLAD DIRECT GLAZE ROUND TOPS

SECTION DETAILS: DIRECT GLAZE

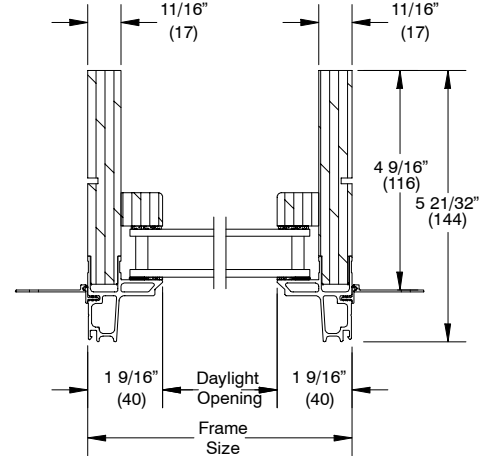
Direct Glaze Insulating Glass



Head Jamb & Sill

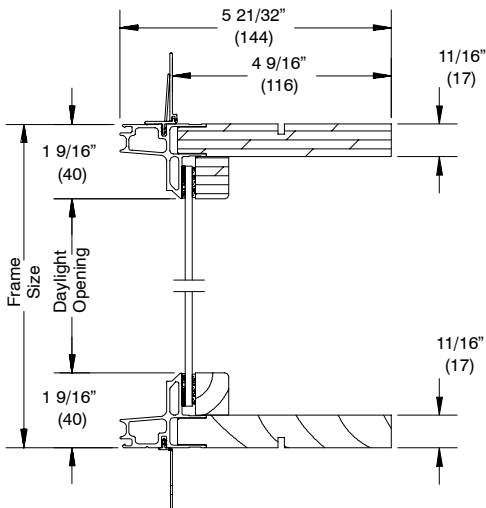


Vertical Mullion
(below Springline)

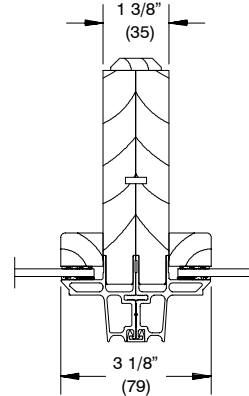


Jamba

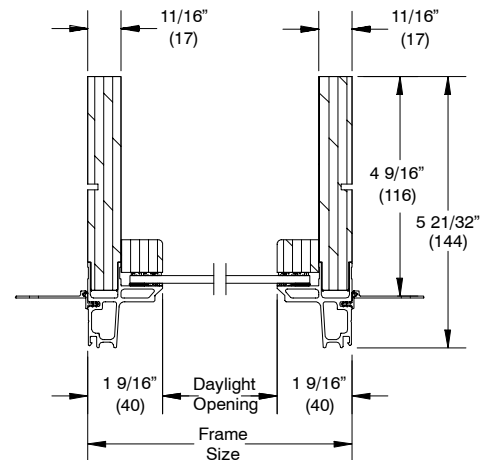
Single Glaze



Head Jamb & Sill



Vertical Mullion
(below Springline)



Jamba

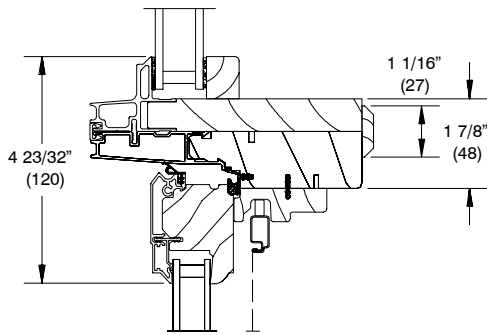
NOTE:

The above section details apply to Round Top Shapes, Round Top Casemaster, Double Hung and Door Direct Glaze Round Top units.

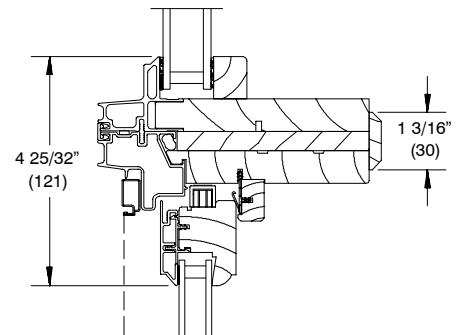
CLAD DIRECT GLAZE ROUND TOPS

MULLIONS

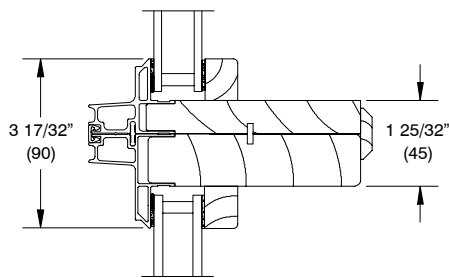
Direct Glaze Mullion



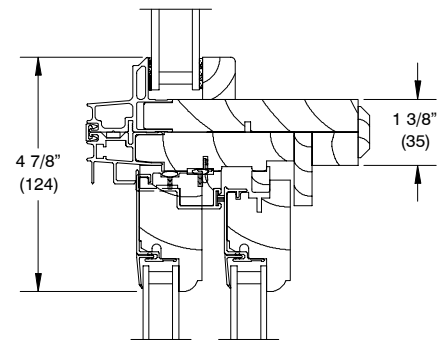
Clad Direct Glaze Round Top
over Clad Casemaster



Clad Direct Glaze Round Top
over Clad Ultimate Double Hung

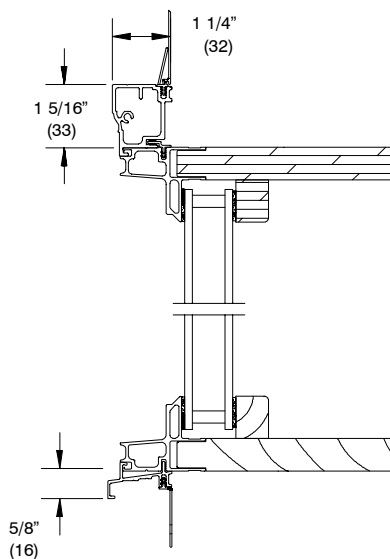


Clad Direct Glaze Round Top
over Clad Polygon

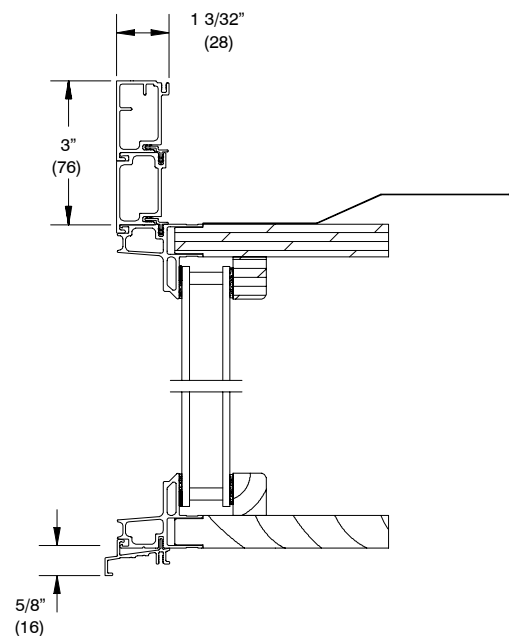


Clad Direct Glaze Round Top
over Clad Glider

Casing Options



Head Jamb and Sill
with Clad Brick Mould Casing



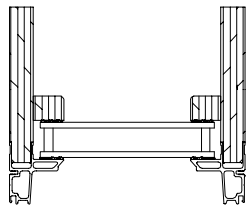
Head Jamb and Sill
with Clad Flat Casing

CLAD DIRECT GLAZE ROUND TOPS

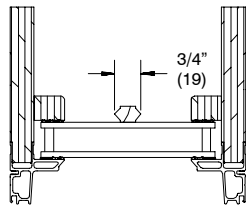
SECTION DETAILS: DIVIDED LITE OPTIONS

NOT TO SCALE

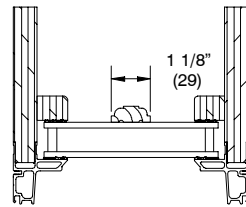
Direct Glaze Insulating Glass



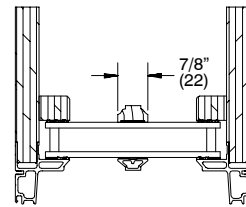
Insulating Glass



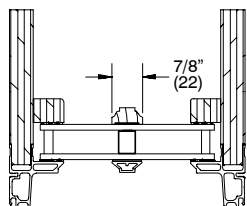
3/4" Grille



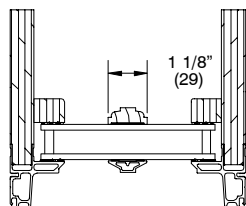
1 1/8" Grille



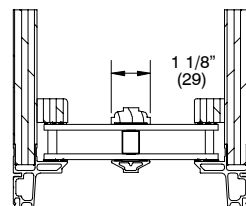
7/8" SDL
without Spacer Bar



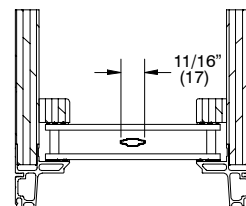
7/8" SDL
with Spacer Bar



1 1/8" SDL
without Spacer Bar

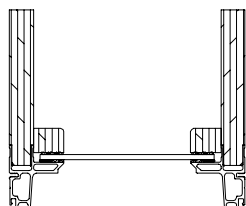


1 1/8" SDL
with Spacer Bar

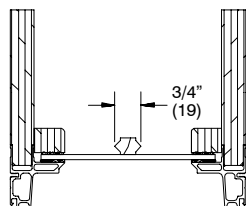


Aluminum
Grille Between Glass

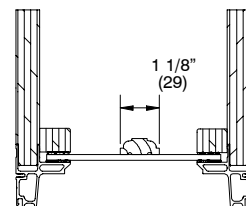
Single Glaze



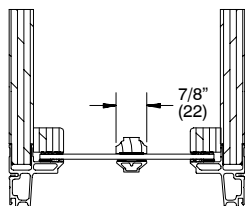
Single Glaze



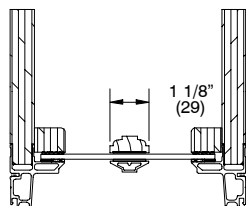
3/4" Grille



1 1/8" Grille



7/8" SDL



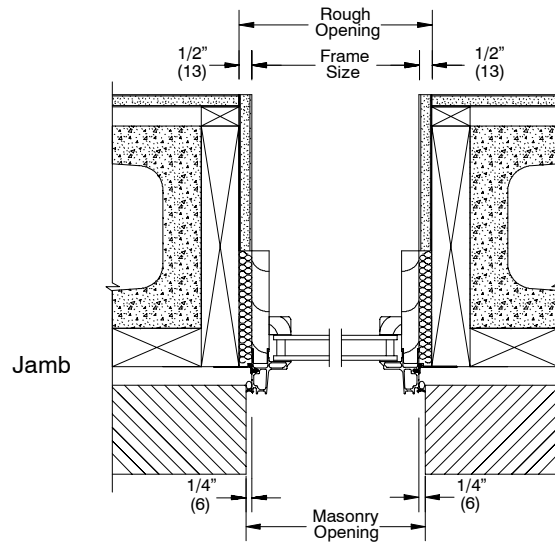
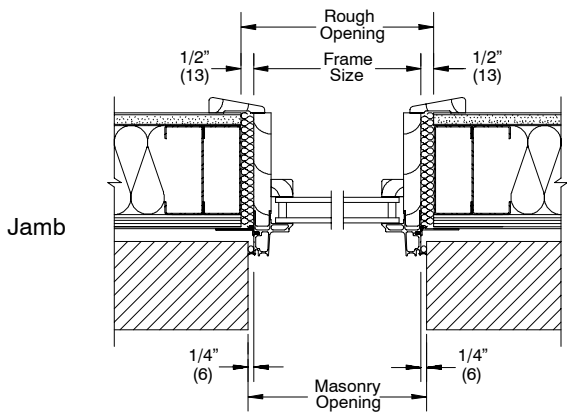
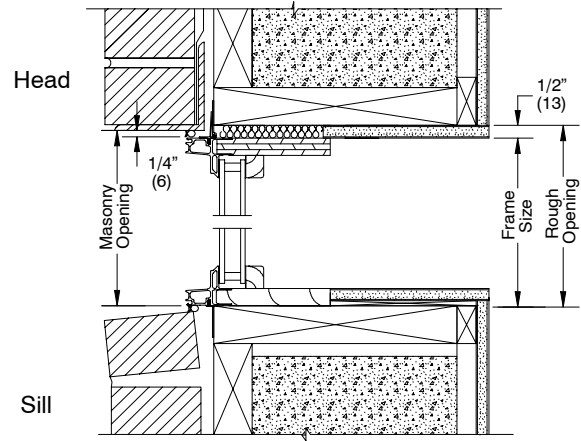
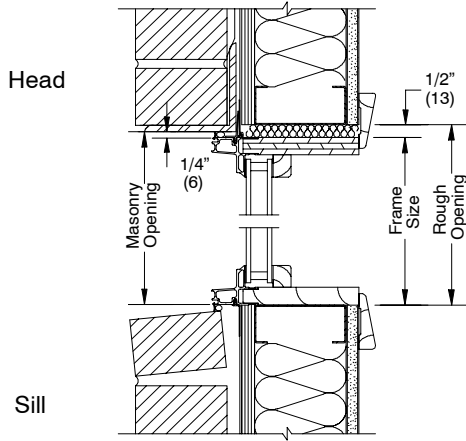
1 1/8" SDL

NOTE:

Grille = Removable interior divider
SDL = Simulated divided lite

CLAD DIRECT GLAZE ROUND TOPS

SECTION DETAILS: CONSTRUCTION
NOT TO SCALE



Brick Veneer with Steel Stud Construction

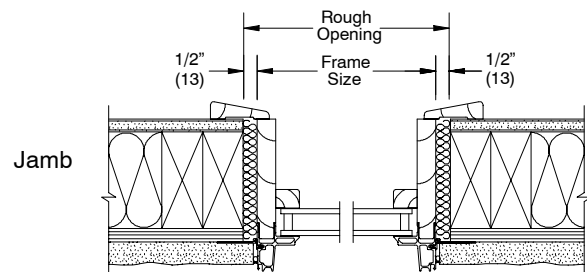
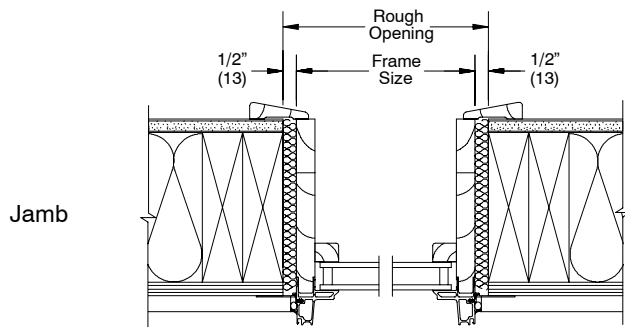
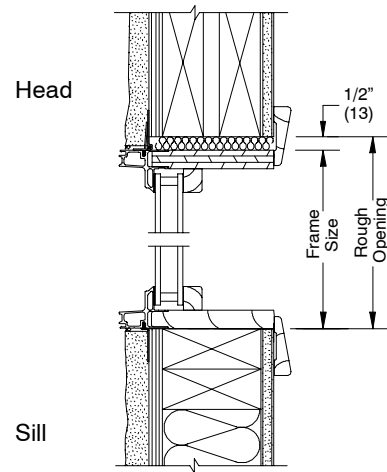
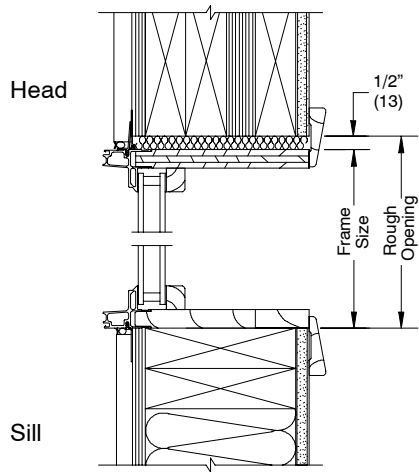
Brick Veneer with Concrete Block Construction

NOTE:

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 DIRECT GLAZE ROUND TOPS

SECTION DETAILS: CONSTRUCTION
NOT TO SCALE



Wood Siding with 2x6
Frame Construction

Stucco with 2x4
Frame Construction

NOTE:

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.