

# CHAPTER 29A

## WOOD DIRECT GLAZE ROUND TOP

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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](http://www.Marvin.com).

# WOOD DIRECT GLAZE ROUND TOPS

## UNIT FEATURES

### **Frame:**

- Pine wood interior and exterior standard. Optional mahogany or vertical grain Douglas fir
- Frame width: 4 9/16" (116)
- Frame thickness: 1 1/16" (17 mm)
- Sill for Direct glaze: 1 1/16" (17)
- Subsill thickness: 15/16" (24)

### **Interior and exterior finish:**

- Treated bare wood or white primed (pine only)

### **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

### **Simulated Divided Lite (SDL):**

- Interior / Exterior bars: 7/8" (22) or 1 1/8" (29) wide bars. Pine wood standard, optional mahogany or vertical grain Douglas fir. Finish to match interior and 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

### **Authentic Divided Lite (ADL):**

- Bar: Bar (interior and exterior): single glazed 7/8" (22) wide bars, insulated glass 1 11/16" (43) wide bars: available in standard pine and optional mahogany or vertical grain Douglas fir. Finish to match interior and exterior
- Pattern: Rectangular, custom lite layouts available, contact your Marvin representative

### **Glass and Glazing:**

- Glazing method: Insulated or single glazed, single glazed with energy panel. Insulated glass hermetically sealed
- Glazing seal: Silicone glazed, closed cell foam tape
- 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)
- Marvin SillGuard™
- Vinyl nailing fin / drip cap not designed to replace proper flashing.
- Wood exterior mouldings: Brick Mould Casing, Flat casing, Mullion cover

### **NOTE:**

Values shown in parenthesis represent metric equivalents.

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

# WOOD DIRECT GLAZE ROUND TOPS

## NFRC VALUES

NFRC Unit Values					
Glazing Type	U-Factor	R-Value	Solar Heat Gain Coefficient	Visible Light Transmittance	Energy Star
<b>Wood Direct Glaze Round Top 3/4" IG</b>					
<b>Size Tested</b>	<b>48 x 48</b>	<b>48 x 48</b>	<b>48 x 48</b>	<b>48 x 48</b>	
Single Glaze	1.01	0.99	0.73	0.76	-
Single Glaze with ADL	1.01	0.99	0.60	0.69	-
Single Glaze with EP	0.48	2.08	0.65	0.69	-
Single Glaze with EP and ADL	0.48	2.08	0.59	0.62	-
Single Glaze with low E EP	0.36	2.78	0.55	0.63	NC
Single Glaze with low E EP and ADL	0.37	2.70	0.50	0.57	NC
Insulating glass	0.49	2.04	0.65	0.69	-
Insulating glass - SDL with spacer bars	0.49	2.04	0.59	0.62	-
Insulating Low E II glass	0.34	2.94	0.35	0.61	N, NC, SC, S
Insulating Low E II glass - SDL with spacer bars	0.35	2.86	0.32	0.55	N, NC, SC, S
Insulating Low E II glass - Argon	0.28	3.58	0.35	0.61	N, NC, SC, S
Insulating Low E II glass - Argon, SDL with spacer bars	0.30	3.33	0.32	0.55	N, NC, SC, S
<b>Wood Direct Glaze Round Top 1" IG</b>					
<b>Size Tested</b>	<b>48 x 48</b>	<b>48 x 48</b>	<b>48 x 48</b>	<b>48 x 48</b>	
Insulating glass	0.46	2.17	0.65	0.69	-
Insulating glass - SDL with spacer bars	0.47	2.13	0.59	0.62	-
Insulating Low E II glass	0.31	3.23	0.35	0.61	N, NC, SC, S
Insulating Low E II glass - SDL with spacer bars	0.32	3.13	0.32	0.55	N, NC, SC, S
Insulating Low E II glass - Argon	0.27	3.70	0.35	0.61	N, NC, SC, S
Insulating Low E II glass - Argon, SDL with spacer bars	0.28	3.57	0.32	0.55	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.

# WOOD DIRECT GLAZE ROUND TOPS

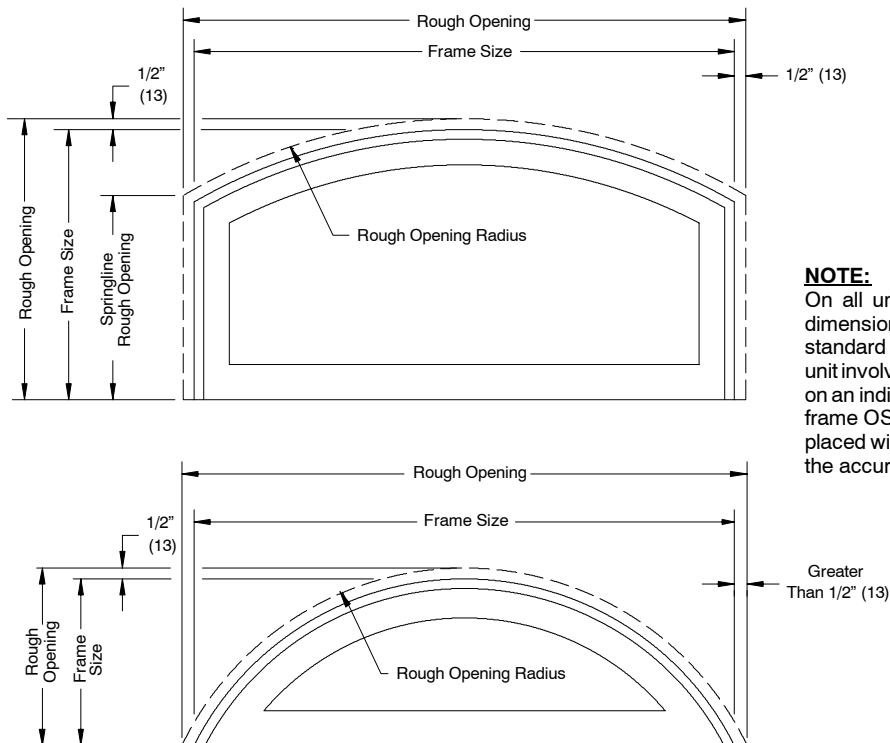
## MEASUREMENT CONVERSIONS / MEASUREMENT PROCEDURES

NOT TO SCALE

Measurement Conversions - Wood Round Top 1" Direct Glaze										
Size Referenced	Daylight Opening		Glass Size		Frame Size		Rough Opening		Masonry Opening	
Daylight Opening	Dimension Needed									
			Width	+ 1 5/8" (41)	Width	+ 3 3/8" (86)	Width	+ 4 3/8" (111)	Width	+ 6 7/8" (175)
Glass Size			Height	+ 1 5/8" (41)	Height	+ 3 3/8" (86)	Height	+ 3 7/8" (98)	Height	+ 5 1/8" (130)
	Width	- 1 5/8" (41)			Width	+ 1 3/4" (44)	Width	+ 2 3/4" (70)	Width	+ 5 1/4" (133)
Frame Size	Height	- 1 5/8" (41)			Height	+ 1 3/4" (44)	Height	+ 2 1/4" (57)	Height	+ 3 1/2" (89)
	Width	- 3 3/8" (86)	Width	- 1 3/4" (44)			Width	+ 1" (25)	Width	+ 3 1/2" (89)
Rough Opening	Height	- 3 3/8" (86)	Height	- 1 3/4" (44)			Height	+ 1/2" (13)	Height	+ 1 3/4" (44)
	Width	- 4 3/8" (111)	Width	- 2 3/4" (70)	Width	- 1" (25)			Width	+ 2 1/2" (64)
Masonry Opening	Height	- 3 7/8" (98)	Height	- 2 1/4" (57)	Height	- 1/2" (13)			Height	+ 1 1/4" (32)
	Width	- 6 7/8" (175)	Width	- 5 1/4" (133)	Width	- 3 1/2" (89)	Width	- 2 1/2" (13)		
	Height	- 5 1/8" (130)	Height	- 3 1/2" (89)	Height	- 1 3/4" (44)	Height	- 1 1/4" (32)		

**NOTE:**

These dimensions do not include a subsill.



**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.

# WOOD DIRECT GLAZE ROUND TOPS

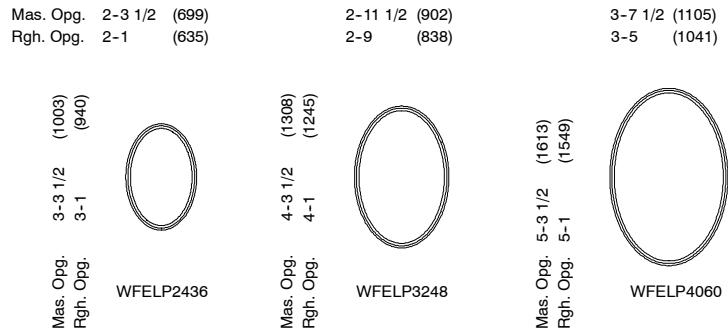
MINIMUM AND MAXIMUM MEASUREMENTS / DESIGN PRESSURES / ELEVATIONS: RT1 / RT28 / RT27

**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 Square Footage
Wood Direct Glaze Round Top	
1" IG RT1 only	61 Sq. Feet (5.67 Sq. Meters)
RT27 & RT28	8.0 Diameter (2.4)
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 Square Footage
True Half RT1	18" x 9" (457 x 228)
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	24" x 36" (609 x 914)

## FULL CIRCLE AND ELLIPSE SERIES

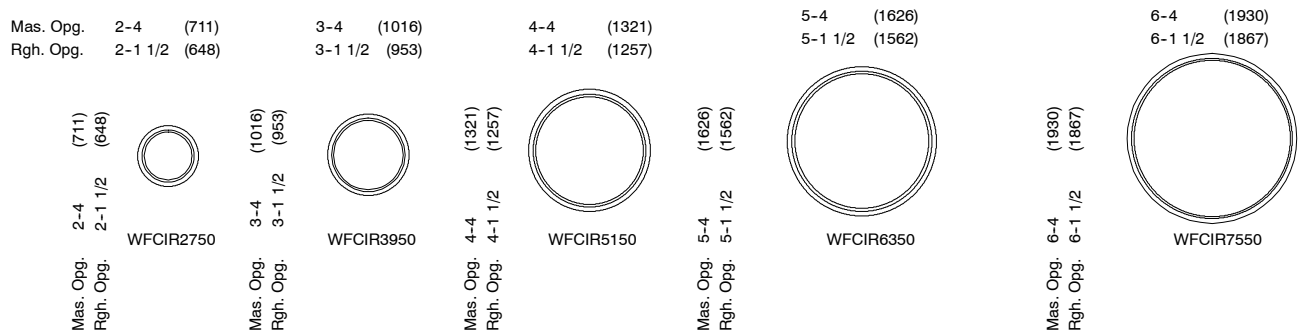
### RT28 - FULL ELLIPSE DIRECT GLAZE



## Design Pressures

Wood Direct Glazed Round Tops are rated DP50 up to 120 x 60

### RT27 - FULL CIRCLE DIRECT GLAZE









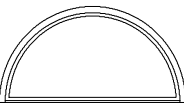
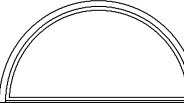


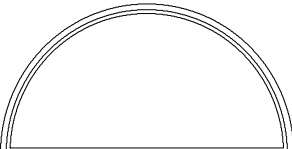
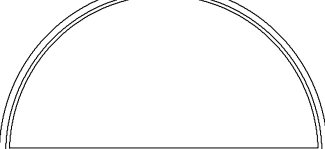



# WOOD CASEMASTER ROUND TOP

ELEVATIONS: RT1 CASEMASTER / AWNING TRUE HALF CIRCLE  
NOT TO SCALE

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

## WOOD CASEMASTER/AWNING SERIES RT1 - TRUE HALF CIRCLE DIRECT GLAZE

Mas. Opg. Rgh. Opg.	1-11 5/8 (600) 1-9 (533)	2-3 5/8 (702) 2-1 (635)	2-7 5/8 (803) 2-5 (737)	2-11 5/8 (905) 2-9 (838)
0-11 13/16 (300) 0-10 1/2 (267)	 WRT2010 CM	1-1 13/16 (351) 1-0 1/2 (318)  WRT2412 CM	1-3 13/16 (402) 1-2 1/2 (368)  WRT2814 CM	1-5 13/16 (452) 1-4 1/2 (419)  WRT3216 CM
	3-3 5/8 (1006) 3-1 (940)  WRT3618 CM	3-7 5/8 (1108) 3-5 (1041)  WRT4020 CM	4-3 5/8 (1311) 4-1 (1245)  WRT4824 CM	4-11 5/8 (1514) 4-9 (1448)  WRT5628 CM
1-7 13/16 (603) 1-6 1/2 (470)	5-3 5/8 (1616) 5-1 (1549)  WRT6026 CM	5-7 5/8 (1718) 5-5 (1651)  WRT6432 CM	6-3 5/8 (1921) 6-1 (1854)  WRT7236 CM	7-3 5/8 (2226) 7-1 (2159)  WRT8442 CM
2-7 13/16 (808) 2-6 1/2 (775)	8-3 5/8 (2530) 8-1 (2464)  WRT9648 CM	9-3 5/8 (2835) 9-1 (2769)  WRT10854 CM	10-3 5/8 (3140) 10-1 (3073)  WRT12060 CM	
2-2 13/16 (859) 2-8 1/2 (826)	Mas. Opg. 4-1 13/16 (1265) Rgh. Opg. 4-0 1/2 (1232)	Mas. Opg. 4-7 13/16 (1418) Rgh. Opg. 4-6 1/2 (1384)	Mas. Opg. 5-1 13/16 (1570) Rgh. Opg. 5-0 1/2 (1537)	



# WOOD 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).

### WOOD CASEMASTER/AWNING SERIES RT6 - EYEBROW ABOVE SPRINGLINE DIRECT GLAZE

Mas. Opg.	2-3 5/8 (702)	2-7 5/8 (803)	2-11 5/8 (905)	3-3 5/8 (1006)	3-7 5/8 (1108)
Mas. Opg. Rad.	2-1 13/16 (657)	2-1 13/16 (657)	2-7 13/16 (808)	2-7 13/16 (808)	3-5 13/16 (1062)
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.	1-1 13/16 (351)	1-1 13/16 (351)	1-1 13/16 (351)	1-1 13/16 (351)	1-1 13/16 (351)
Mas. Opg. Rad.	0-9 13/16 (249)	0-8 13/32 (213)	0-8 3/8 (212)	0-6 29/32 (175)	0-7 5/8 (194)
Rgh. Opg.	1-0 1/2 (318)	1-0 1/2 (318)	1-0 1/2 (318)	1-0 1/2 (318)	1-0 1/2 (318)
Rgh. Opg. Rad.	0-9 1/16 (230)	0-7 3/4 (197)	0-7 11/16 (195)	0-6 1/4 (159)	0-6 15/16 (176)

Mas. Opg.	1-7 13/16 (503)	1-7 13/16 (503)	1-7 13/16 (503)	1-7 13/16 (503)	1-7 13/16 (503)
Mas. Opg. Rad.	1-3 13/16 (401)	1-2 13/32 (366)	1-2 3/8 (365)	1-0 29/32 (328)	1-1 5/8 (346)
Rgh. Opg.	1-6 1/2 (470)	1-6 1/2 (470)	1-6 1/2 (470)	1-6 1/2 (470)	1-6 1/2 (470)
Rgh. Opg. Rad.	1-3 1/16 (383)	1-1 3/4 (349)	1-1 11/16 (348)	1-0 1/4 (311)	1-0 15/16 (329)

Mas. Opg.	2-1 13/16 (656)	2-1 13/16 (656)	2-1 13/16 (656)	2-1 13/16 (656)	2-1 13/16 (656)
Mas. Opg. Rad.	1-9 13/16 (554)	1-8 13/16 (518)	1-8 3/8 (517)	1-6 29/32 (480)	1-7 5/8 (498)
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.	3-1 13/16 (960)	3-1 13/16 (960)	3-1 13/16 (960)	3-1 13/16 (960)	3-1 13/16 (960)
Mas. Opg. Rad.	2-9 13/16 (859)	2-8 13/32 (823)	2-8 3/8 (822)	2-6 29/32 (785)	2-7 5/8 (803)
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.	4-1 13/16 (1265)	4-1 13/16 (1265)	4-1 13/16 (1265)	4-1 13/16 (1265)	4-1 13/16 (1265)
Mas. Opg. Rad.	3-9 13/16 (1163)	3-8 13/32 (1128)	3-8 3/8 (1127)	3-6 29/32 (1089)	3-7 5/8 (1108)
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 1/16 (1145)	3-7 3/4 (1111)	3-7 11/16 (1110)	3-6 1/4 (1073)	3-6 15/16 (1091)

Mas. Opg.	5-1 13/16 (1570)	5-1 13/16 (1570)	5-1 13/16 (1570)	5-1 13/16 (1570)	5-1 13/16 (1570)
Mas. Opg. Rad.	4-9 13/16 (1468)	4-8 13/32 (1433)	4-8 3/8 (1432)	4-6 29/32 (1394)	4-7 5/8 (1413)
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.	6-1 13/16 (1875)	6-1 13/16 (1875)	6-1 13/16 (1875)	6-1 13/16 (1875)	6-1 13/16 (1875)
Mas. Opg. Rad.	5-9 13/16 (1773)	5-8 13/32 (1738)	5-8 3/8 (1737)	5-6 29/32 (1699)	5-7 5/8 (1718)
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:**

Units shown represent standard transoms without a subsill. Add 15/16" (24) to the Rough Opening and Masonry Opening heights for Stand Alone units and.














# WOOD 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).

### WOOD CASEMASTER/AWNING SERIES RT6 - EYEBROW ABOVE SPRINGLINE DIRECT GLAZE

Mas. Opg.	4-3 5/8 (1311)		4-11 5/8 (1514)		6-3 5/8 (1921)
Mas. Opg. Rad.	3-5 13/16 (1062)		4-7 13/16 (1418)		6-1 13/16 (1875)
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)
	1-7 13/16 (503) 0-10 5/8 (277) 1-6 1/2 (470) 0-10 1/4 (260)		1-7 13/16 (503) 0-11 5/8 (284) 1-6 1/2 (470) 0-10 7/16 (265)		1-7 13/16 (503) 0-9 13/32 (239) 1-6 1/2 (470) 0-8 5/8 (219)
		WRT4819 CM		WRT5619 CM	WRT7219 CM
	2-1 13/16 (656) 1-4 5/8 (429) 2-0 1/2 (622) 1-4 1/4 (413)		2-1 13/16 (656) 1-5 5/8 (436) 2-0 1/2 (622) 1-4 7/16 (418)		2-1 13/16 (656) 1-3 13/32 (391) 2-0 1/2 (622) 1-2 5/8 (371)
		WRT4823 CM		WRT5623 CM	WRT7223 CM
	3-1 13/16 (960) 2-4 5/8 (734) 3-0 1/2 (927) 2-4 1/4 (718)		3-1 13/16 (960) 2-5 5/8 (741) 3-0 1/2 (927) 2-4 7/16 (722)		3-1 13/16 (960) 2-3 13/32 (696) 3-0 1/2 (927) 2-2 5/8 (676)
		WRT4835 CM		WRT5635 CM	WRT7235 CM
	4-1 13/16 (1265) 3-4 5/8 (1039) 4-0 1/2 (1232) 3-4 1/4 (1022)		4-1 13/16 (1265) 3-5 5/8 (1039) 4-0 1/2 (1232) 3-4 7/16 (1027)		4-1 13/16 (1265) 3-3 13/32 (1001) 4-0 1/2 (1232) 3-2 5/8 (981)
		WRT4847 CM		WRT5647 CM	WRT7247 CM
	5-1 13/16 (1570) 4-4 5/8 (1343) 5-0 1/2 (1537) 4-4 1/4 (1327)		5-1 13/16 (1570) 4-5 5/8 (1478) 5-0 1/2 (1537) 4-4 7/16 (1332)		5-1 13/16 (1570) 4-3 13/32 (1305) 5-0 1/2 (1537) 4-2 5/8 (1286)
		WRT4859 CM		WRT5659 CM	WRT7259 CM
Mas. Opg.	6-1 13/16 (1875)		6-1 13/16 (1875)		6-1 13/16 (1875)
Mas. Opg. Spn	5-4 5/8 (1648)		5-5 5/8 (1656)		5-3 13/32 (1610)
Rgh. Opg.	6-0 1/2 (1842)		6-0 1/2 (1842)		6-0 1/2 (1842)
Rgh. Opg. Spn	5-4 1/4 (1632)		5-4 7/16 (1637)		5-2 5/8 (1591)
					
		WRT4871 CM		WRT5671 CM	WRT7271 CM

**NOTE:**

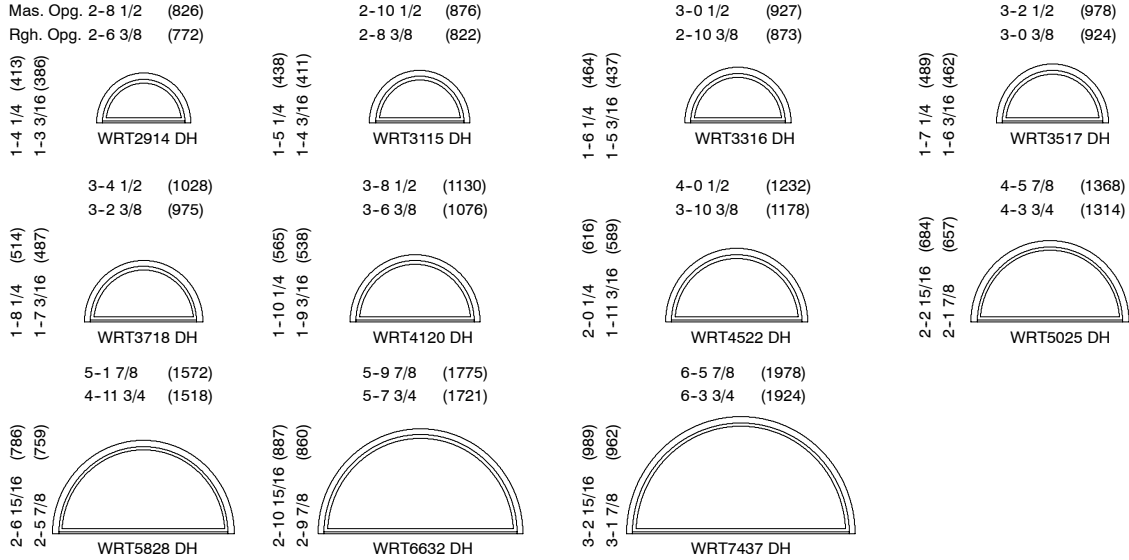
Units shown represent standard transoms without a subsill. Add 15/16" (24) to the Rough Opening and Masonry Opening heights for Stand Alone units.

# WOOD DOUBLE HUNG ROUND TOP

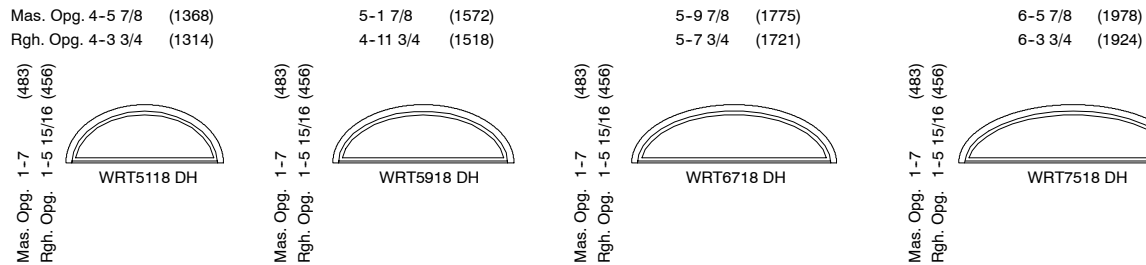
ELEVATIONS: RT1 TRUE HALF / RT29 ELLIPTICAL  
NOT TO SCALE

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

## WOOD ULTIMATE DOUBLE HUNG SERIES RT1 - TRUE HALF CIRCLE DIRECT GLAZE



## RT29 - ELLIPTICAL DIRECT GLAZE



**NOTE:**

Units shown represent standard transoms without a subsill. Add 15/16" (24) to the Rough Opening and Masonry Opening heights for stand alone units.

# WOOD DIRECT GLAZE DOUBLE HUNG ROUND TOPS Made for you.®

## 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).

### WOOD ULTIMATE DOUBLE HUNG SERIES RT6 - EYEBROW ABOVE SPRINGLINE DIRECT GLAZE

Mas. Opg.	2-4 1/2 (724)	2-8 1/2 (826)	2-10 1/2 (876)	3-0 1/2 (927)	3-2 1/2 (978)	3-4 1/2 (1029)
Mas. Opg. Rad.	2-1 3/4 (654)	2-1 3/4 (654)	2-7 3/4 (806)	2-7 3/4 (806)	2-7 3/4 (806)	3-5 3/4 (1060)
Rgh. Opg.	2-2 3/8 (670)	2-6 3/8 (772)	2-8 3/8 (822)	2-10 3/8 (873)	3-0 3/8 (924)	3-2 3/8 (975)
Rgh. Opg. Rad.	2-0 1/2 (622)	2-0 1/2 (622)	2-6 1/2 (775)	2-6 1/2 (775)	2-6 1/2 (775)	3-4 1/2 (1029)
	1-1 3/4 (349) 0-9 7/16 (240) 1-0 1/2 (318) 0-8 5/8 (219)	1-1 3/4 (349) 0-8 (203) 1-0 1/2 (318) 0-7 7/8 (200)	1-1 3/4 (349) 0-8 21/32 (220) 1-0 1/2 (318) 0-7 7/8 (200)	1-1 3/4 (349) 0-8 (203) 1-0 1/2 (318) 0-7 3/16 (183)	1-1 3/4 (349) 0-7 1/4 (184) 1-0 1/2 (318) 0-6 1/2 (165)	1-1 3/4 (349) 0-8 1/2 (216) 1-0 1/2 (318) 0-7 11/16 (195)
	WRT2511 DH	WRT2911 DH	WRT3111 DH	WRT3311 DH	WRT3511 DH	WRT3711 DH
	1-7 3/4 (502) 1-3 7/16 (392) 1-6 1/2 (470) 1-2 5/8 (371)	1-7 3/4 (502) 1-2 (355) 1-6 1/2 (470) 1-1 7/32 (336)	1-7 3/4 (502) 1-2 21/32 (372) 1-6 1/2 (470) 1-1 7/8 (352)	1-7 3/4 (502) 1-2 (355) 1-6 1/2 (470) 1-1 3/16 (335)	1-7 3/4 (502) 1-1 1/4 (488) 1-6 1/2 (470) 1-0 1/2 (318)	1-7 3/4 (502) 1-2 1/2 (369) 1-6 1/2 (470) 1-1 11/16 (348)
	WRT2519 DH	WRT2919 DH	WRT3119 DH	WRT3319 DH	WRT3519 DH	WRT3719 DH
	2-1 3/4 (654) 1-9 7/16 (545) 2-0 1/2 (622) 1-8 5/8 (524)	2-1 3/4 (654) 1-8 (508) 2-0 1/2 (622) 1-7 7/32 (488)	2-1 3/4 (654) 1-8 21/32 (525) 2-0 1/2 (622) 1-7 7/8 (505)	2-1 3/4 (654) 1-8 (508) 2-0 1/2 (622) 1-7 3/16 (487)	2-1 3/4 (654) 1-7 1/4 (488) 2-0 1/2 (622) 1-6 1/2 (470)	2-1 3/4 (654) 1-8 1/2 (521) 2-0 1/2 (622) 1-7 11/16 (500)
	WRT2523 DH	WRT2923 DH	WRT3123 DH	WRT3323 DH	WRT3523 DH	WRT3723 DH
	3-1 3/4 (959) 2-9 7/16 (850) 3-0 1/2 (927) 2-8 5/8 (829)	3-1 3/4 (959) 2-8 (812) 3-0 1/2 (927) 2-7 7/32 (793)	3-1 3/4 (959) 2-8 21/32 (829) 3-0 1/2 (927) 2-7 7/8 (810)	3-1 3/4 (959) 2-8 (812) 3-0 1/2 (927) 2-7 3/16 (792)	3-1 3/4 (959) 2-7 1/4 (794) 3-0 1/2 (927) 2-6 1/2 (775)	3-1 3/4 (959) 2-8 1/2 (826) 3-0 1/2 (927) 2-7 11/16 (805)
	WRT2535 DH	WRT2935 DH	WRT3135 DH	WRT3335 DH	WRT3535 DH	WRT3735 DH
	4-1 3/4 (1264) 3-9 7/16 (1154) 4-0 1/2 (1232) 3-8 5/8 (1133)	4-1 3/4 (1264) 3-8 (1117) 4-0 1/2 (1232) 3-7 7/32 (1098)	4-1 3/4 (1264) 3-8 21/32 (1134) 4-0 1/2 (1232) 3-7 7/8 (1114)	4-1 3/4 (1264) 3-8 (1117) 4-0 1/2 (1232) 3-7 3/16 (1097)	4-1 3/4 (1264) 3-7 1/4 (1098) 4-0 1/2 (1232) 3-6 1/2 (1080)	4-1 3/4 (1264) 3-8 1/2 (1131) 4-0 1/2 (1232) 3-7 11/16 (1110)
	WRT2547 DH	WRT2947 DH	WRT3147 DH	WRT3347 DH	WRT3547 DH	WRT3747 DH
	5-1 3/4 (1568) 4-9 7/16 (1459) 5-0 1/2 (1537) 4-8 5/8 (1438)	5-1 3/4 (1568) 4-8 (1422) 5-0 1/2 (1537) 4-7 7/32 (1403)	5-1 3/4 (1568) 4-8 21/32 (1459) 5-0 1/2 (1537) 4-7 7/8 (1419)	5-1 3/4 (1568) 4-8 (1422) 5-0 1/2 (1537) 4-7 3/16 (1402)	5-1 3/4 (1568) 4-7 1/4 (1403) 5-0 1/2 (1537) 4-6 1/2 (1384)	5-1 3/4 (1568) 4-8 1/2 (1435) 5-0 1/2 (1537) 4-7 11/16 (1414)
	WRT2559 DH	WRT2959 DH	WRT3159 DH	WRT3359 DH	WRT3559 DH	WRT3759 DH
	6-1 3/4 (1873) 5-9 7/16 (1764) 6-0 1/2 (1842) 5-8 5/8 (1743)	6-1 3/4 (1873) 5-8 (1727) 6-0 1/2 (1842) 5-7 7/32 (1707)	6-1 3/4 (1873) 5-8 21/32 (1744) 6-0 1/2 (1842) 5-7 7/8 (1724)	6-1 3/4 (1873) 5-8 (1727) 6-0 1/2 (1842) 5-7 3/16 (1707)	6-1 3/4 (1873) 5-7 1/4 (1708) 6-0 1/2 (1842) 5-6 1/2 (1689)	6-1 3/4 (1873) 5-8 1/2 (1740) 6-0 1/2 (1842) 5-7 11/16 (1719)
Mas. Opg.	6-1 3/4 (1873)	6-1 3/4 (1873)	6-1 3/4 (1873)	6-1 3/4 (1873)	6-1 3/4 (1873)	6-1 3/4 (1873)
Mas. Opg. Spn	5-9 7/16 (1764)	5-8 (1727)	5-8 21/32 (1744)	5-8 (1727)	5-7 1/4 (1708)	5-8 1/2 (1740)
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)	6-0 1/2 (1842)
Rgh. Opg. Spn	5-8 5/8 (1743)	5-7 7/32 (1707)	5-7 7/8 (1724)	5-7 3/16 (1707)	5-6 1/2 (1689)	5-7 11/16 (1719)
	WRT2571 DH	WRT2971 DH	WRT3171 DH	WRT3371 DH	WRT3571 DH	WRT3771 DH

**NOTE:**

Units shown represent standard transoms without a subsill. Add 15/16 (24) to the Rough Opening and Masonry Opening heights for stand alone units.

# WOOD DIRECT GLAZE DOUBLE HUNG ROUND TOPS Made for you.®

## 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).

### WOOD ULTIMATE DOUBLE HUNG SERIES RT6 - EYEBROW ABOVE SPRINGLINE DIRECT GLAZE

Mas. Opg.	3-8 1/2 (1130)	4-0 1/2 (1232)	4-5 7/8 (1368)	5-1 7/8 (1572)	5-9 7/8 (1775)	6-5 7/8 (1978)
Mas. Opg. Rad.	3-5 3/4 (1060)	3-3 3/4 (1060)	3-5 3/4 (1060)	4-7 3/4 (1416)	6-1 3/4 (1873)	6-1 3/4 (1873)
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.	1-1 3/4 (349)	1-7 3/4 (502)	1-7 3/4 (502)	1-7 3/4 (502)	1-7 3/4 (502)	1-7 3/4 (502)
Mas. Opg. Rad.	0-7 11/32 (186)	0-3 3/8 (315)	0-11 3/32 (282)	0-9 7/16 (240)	0-10 (254)	0-7 11/16 (195)
Rgh. Opg.	1-0 1/2 (318)	1-6 1/2 (470)	1-5 3/32 (434)	1-3 7/16 (697)	1-6 1/2 (470)	1-6 1/2 (470)
Rgh. Opg. Rad.	0-6 1/2 (165)	1-0 1/2 (318)	0-11 7/32 (285)	1-6 1/2 (470)	0-10 1/8 (257)	0-7 13/16 (198)

Mas. Opg.	1-7 3/4 (502)	1-7 3/4 (502)	1-7 3/4 (502)	1-7 3/4 (502)	1-7 3/4 (502)	1-7 3/4 (502)
Mas. Opg. Rad.	0-7 11/32 (186)	0-3 3/8 (315)	0-11 3/32 (282)	0-9 7/16 (240)	0-10 (254)	0-7 11/16 (195)
Rgh. Opg.	1-0 1/2 (318)	1-6 1/2 (470)	1-5 3/32 (434)	1-3 7/16 (697)	1-6 1/2 (470)	1-6 1/2 (470)
Rgh. Opg. Rad.	0-6 1/2 (165)	1-0 1/2 (318)	0-11 7/32 (285)	1-6 1/2 (470)	0-10 1/8 (257)	0-7 13/16 (198)

Mas. Opg.	2-1 3/4 (559)	2-1 3/4 (559)	2-1 3/4 (559)	2-1 3/4 (559)	2-1 3/4 (559)	2-1 3/4 (559)
Mas. Opg. Rad.	1-6 3/8 (772)	1-5 3/32 (434)	1-3 1/32 (687)	1-3 7/16 (697)	1-4 (711)	1-1 11/16 (653)
Rgh. Opg.	2-0 1/2 (927)	2-0 1/2 (927)	2-0 1/2 (927)	2-0 1/2 (927)	2-0 1/2 (927)	2-0 1/2 (927)
Rgh. Opg. Rad.	1-6 1/2 (470)	1-5 7/32 (437)	1-3 5/32 (690)	1-3 9/16 (700)	1-4 1/8 (714)	1-1 13/16 (656)

Mas. Opg.	3-1 3/4 (959)	3-1 3/4 (959)	3-1 3/4 (959)	3-1 3/4 (959)	3-1 3/4 (959)	3-1 3/4 (959)
Mas. Opg. Rad.	2-6 3/8 (772)	2-5 3/32 (739)	2-3 1/32 (687)	2-3 7/16 (697)	2-4 (711)	2-1 11/16 (653)
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)	3-0 1/2 (927)
Rgh. Opg. Rad.	2-6 1/2 (775)	2-5 7/32 (742)	2-3 5/32 (690)	2-3 9/16 (700)	2-4 1/8 (714)	2-1 13/16 (656)

Mas. Opg.	4-1 3/4 (1264)	4-1 3/4 (1264)	4-1 3/4 (1264)	4-1 3/4 (1264)	4-1 3/4 (1264)	4-1 3/4 (1264)
Mas. Opg. Rad.	3-6 3/8 (1076)	3-5 3/32 (1044)	3-3 1/32 (991)	3-3 7/16 (1002)	3-4 (1016)	3-1 11/16 (957)
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)	4-0 1/2 (1232)
Rgh. Opg. Rad.	3-6 1/2 (1080)	3-5 7/32 (1047)	3-3 5/32 (995)	3-3 9/16 (1005)	3-4 1/8 (1019)	3-1 13/16 (960)

Mas. Opg.	5-1 3/4 (1568)	5-1 3/4 (1568)	5-1 3/4 (1568)	5-1 3/4 (1568)	5-1 3/4 (1568)	5-1 3/4 (1568)
Mas. Opg. Rad.	4-6 3/8 (1381)	4-5 3/32 (1349)	4-3 1/32 (1296)	4-3 7/16 (1307)	4-4 (1321)	4-1 11/16 (1262)
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)	5-0 1/2 (1537)
Rgh. Opg. Rad.	4-6 1/2 (1384)	4-5 7/32 (1352)	4-3 5/32 (1299)	4-3 9/16 (1310)	4-4 1/8 (1324)	4-1 13/16 (1265)

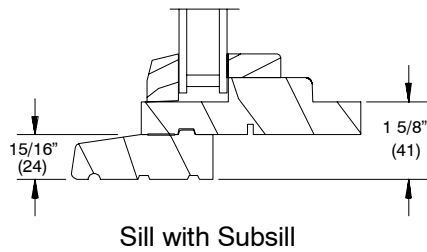
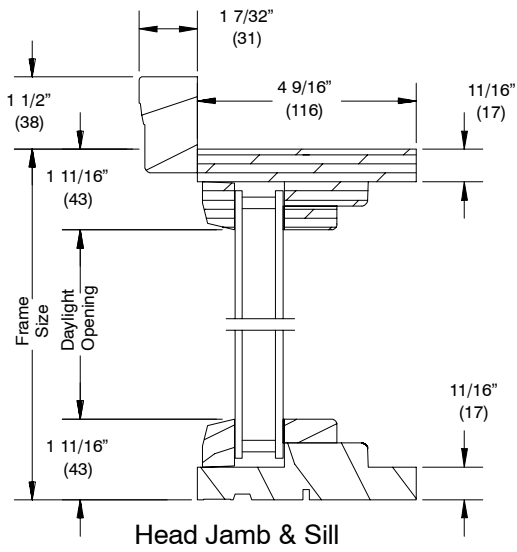
Mas. Opg.	6-1 3/4 (1873)	6-1 3/4 (1873)	6-1 3/4 (1873)	6-1 3/4 (1873)	6-1 3/4 (1873)	6-1 3/4 (1873)
Mas. Opg. Rad.	5-6 3/8 (1686)	5-5 3/32 (1653)	5-3 1/32 (1601)	5-3 7/16 (1611)	5-4 (1626)	5-1 11/16 (1567)
Rgh. Opg.	6-0 1/2 (1842)	6-0 1/2 (1842)	6-0 1/2 (1842)	6-0 1/2 (1842)	6-0 1/2 (1842)	6-0 1/2 (1842)
Rgh. Opg. Rad.	5-6 1/2 (1689)	5-5 7/32 (1657)	5-3 5/32 (1604)	5-3 9/16 (1614)	5-4 1/8 (1629)	5-1 13/16 (1570)

**NOTE:**

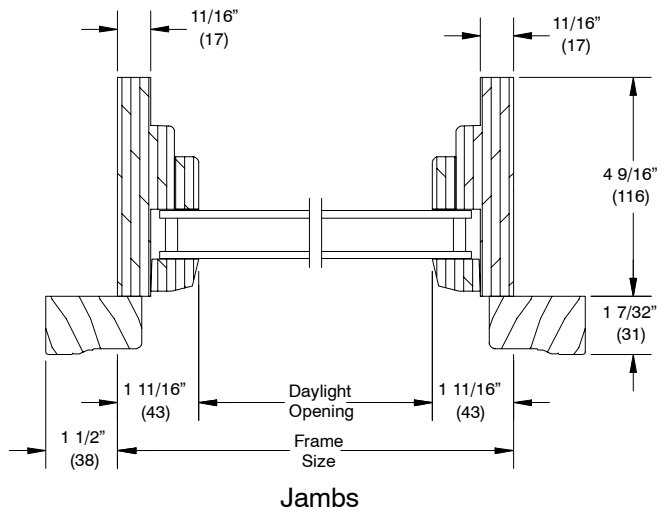
Units shown represent standard transoms without a subsill. Add 15/16 (24) to the Rough Opening and Masonry Opening heights for stand alone units.

# WOOD DIRECT GLAZE ROUND TOPS

## SECTION DETAILS: OPERATING / CASING OVERLAP



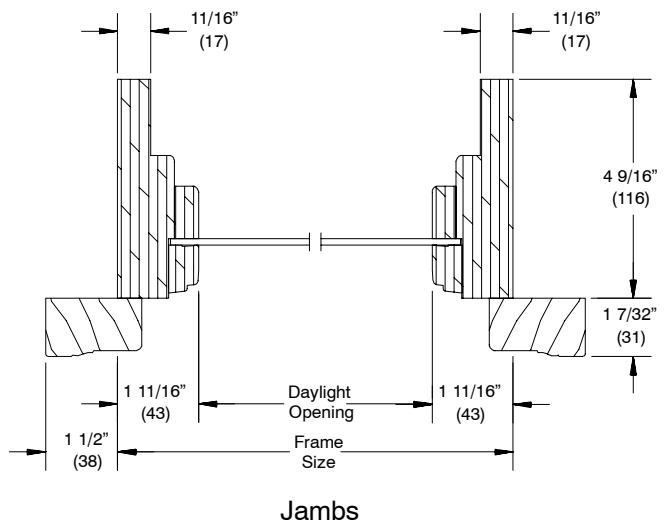
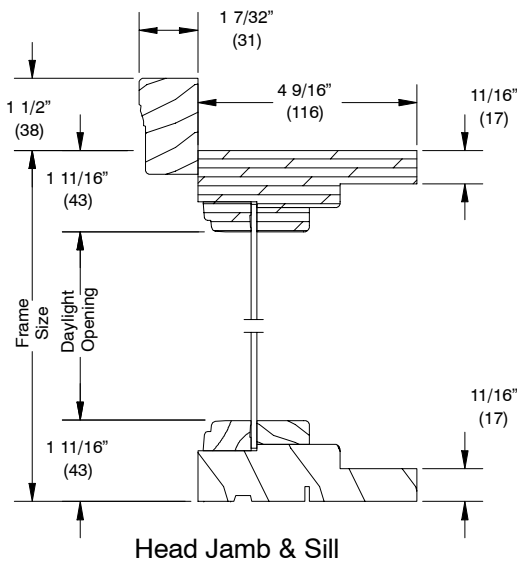
### Direct Glaze Insulating Glass



Casing Overlap Distances				
Product Type	RT2		RT6	
	Head	Jamb	Head	Jamb
Direct Glaze	1/2" (13)	1/2" (13)	1/2" (13)	1/2" (13)
Casemaster Direct Glaze	7/16" (11)	7/16" (11)	7/16" (11)	7/16" (11)
Double Hung Direct Glaze	11/16" (17)	11/16" (17)	1/2" (13)	11/16" (17)

**NOTE:**  
Casing overlaps vary per product type. The above chart represents overlap dimensions for Direct Glaze, Casement and Double Hung details.

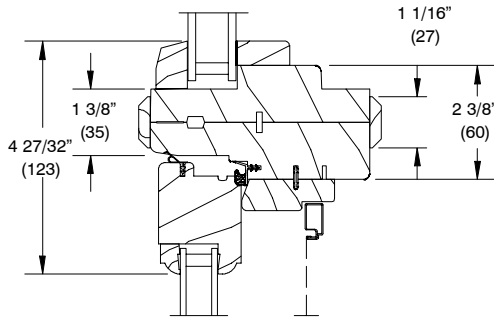
### Single Glaze



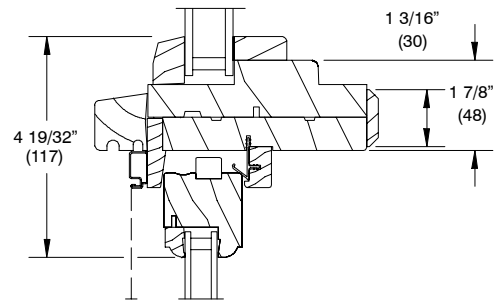
# WOOD DIRECT GLAZE ROUND TOPS

## SECTION DETAILS: MULLIONS

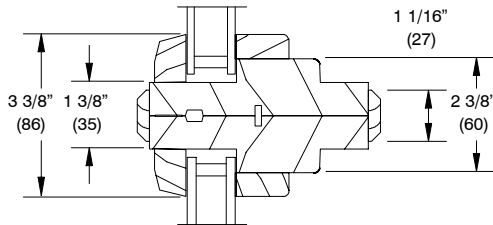
### Direct Glaze Mullion



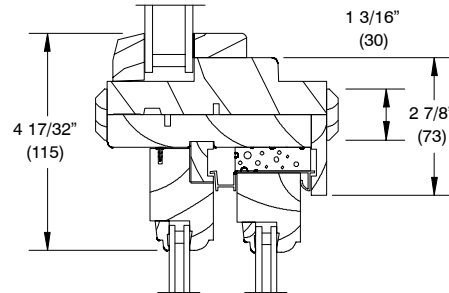
Wood Direct Glaze Round Top  
over Wood Casemaster Operator



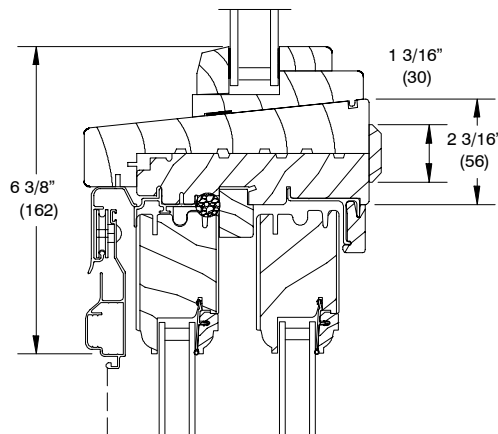
Wood Direct Glaze Round Top  
over Wood Ultimate Double Hung



Wood Direct Glaze Round Top  
over Wood Polygon



Wood Direct Glaze Round Top  
over Wood Glider



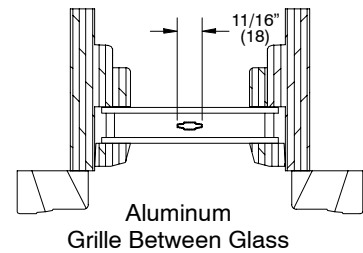
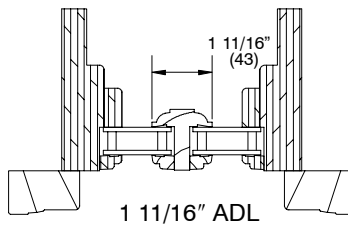
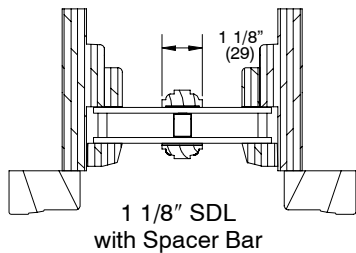
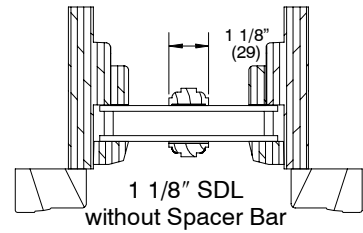
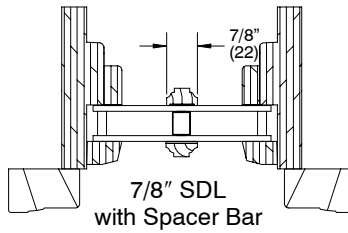
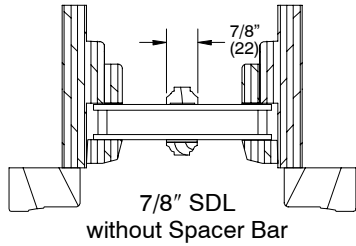
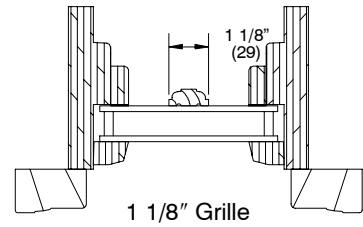
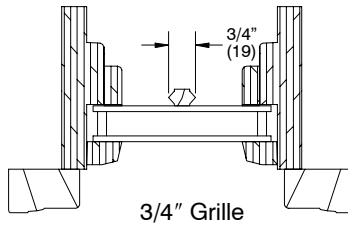
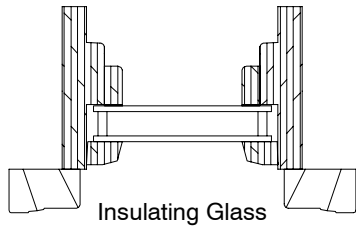
Wood Direct Glaze Round Top  
over Wood Sliding Patio Door

# WOOD DIRECT GLAZE ROUND TOPS

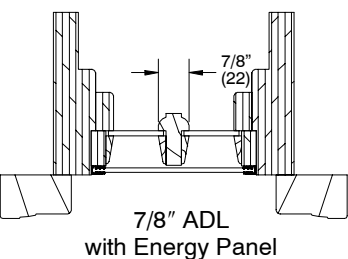
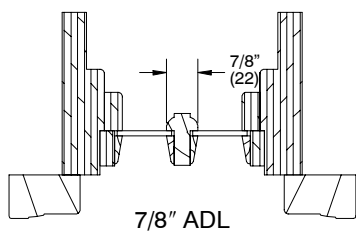
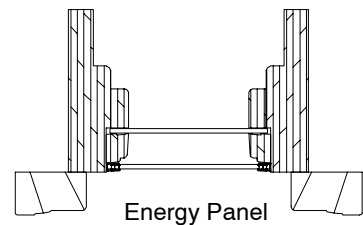
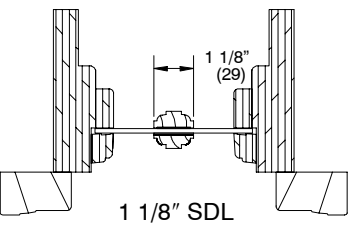
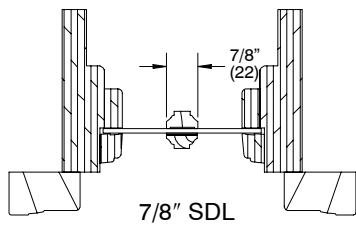
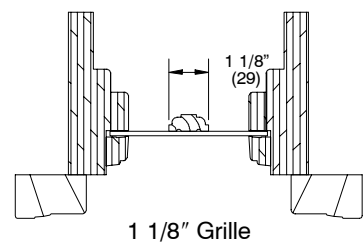
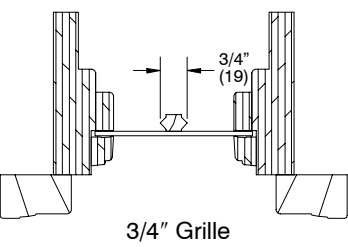
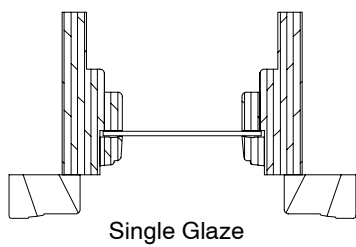
## SECTION DETAILS: DIVIDED LITE OPTIONS

NOT TO SCALE

### Insulating Glass



### Single Glaze

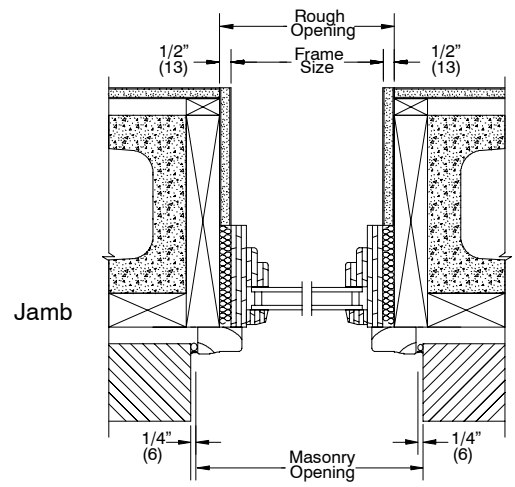
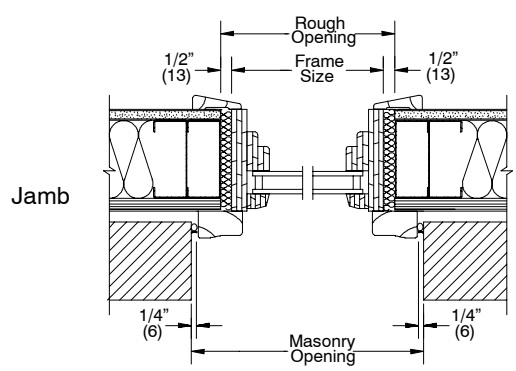
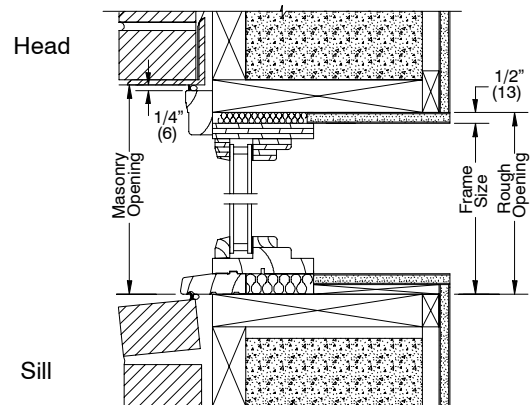
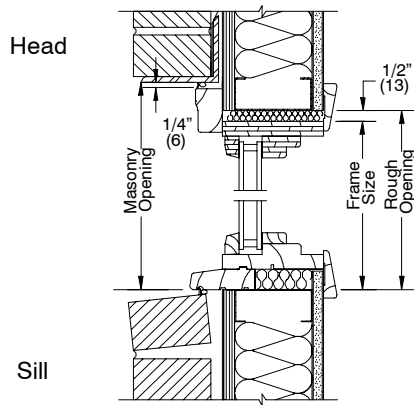


**NOTE:**

Grille = Removable interior divider  
SDL = Simulated divided lite  
ADL = Authentic divided lite

# WOOD DIRECT GLAZE ROUND TOPS

SECTION DETAILS: CONSTRUCTION  
NOT TO SCALE



Brick Veneer with Steel Stud Construction

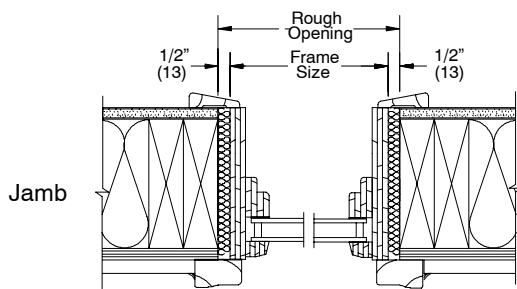
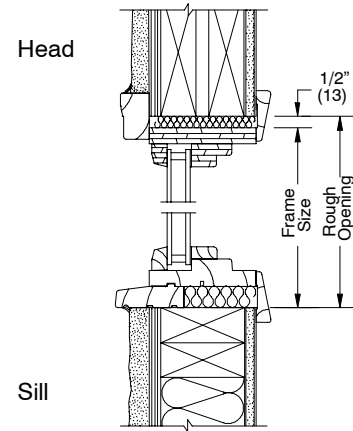
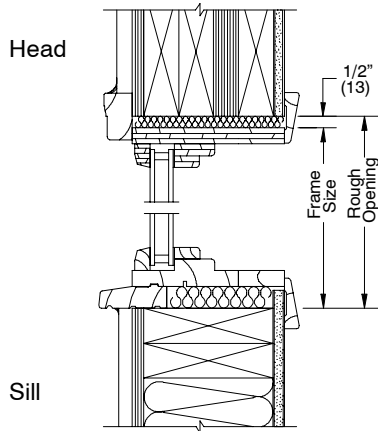
Brick Veneer with Concrete Block Construction

**NOTE:**

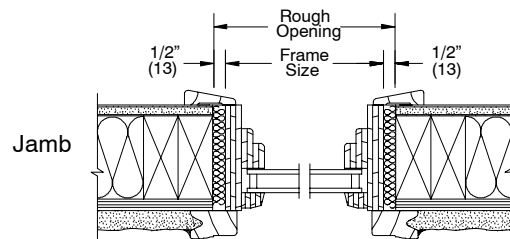
The above wall sections represent typical wall conditions, these details are not intended as installation instructions. Please refer to the installation instructions provided with the purchased units.

# WOOD 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.