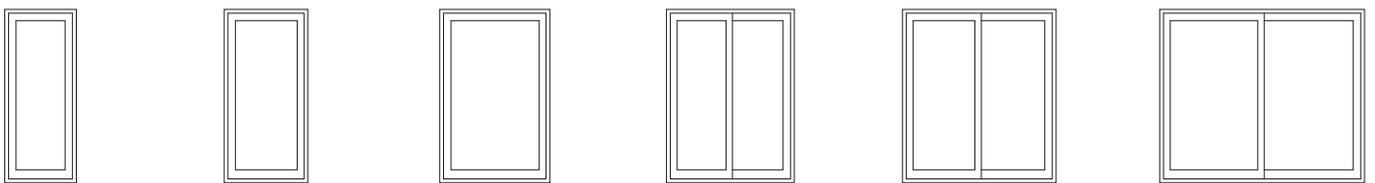
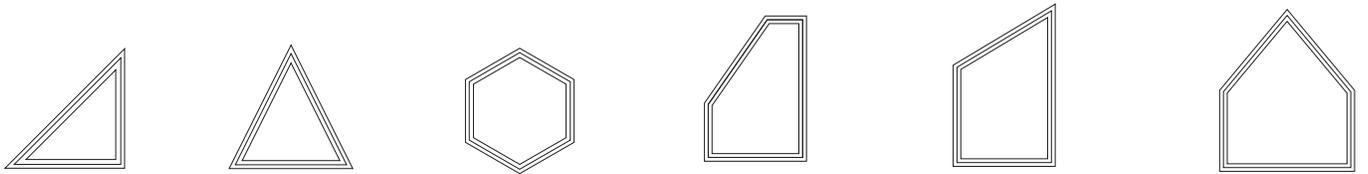
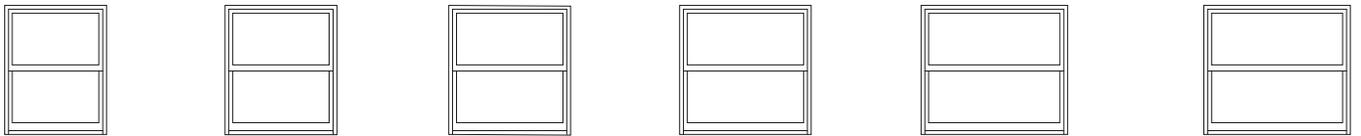
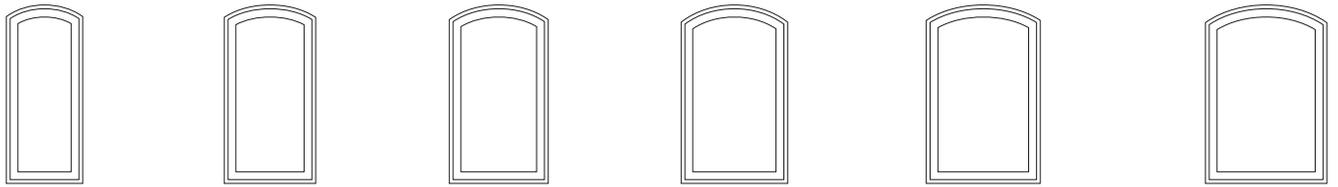
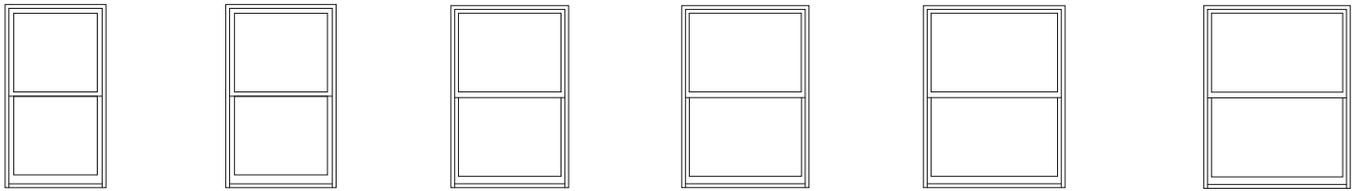


# Technical Specifications





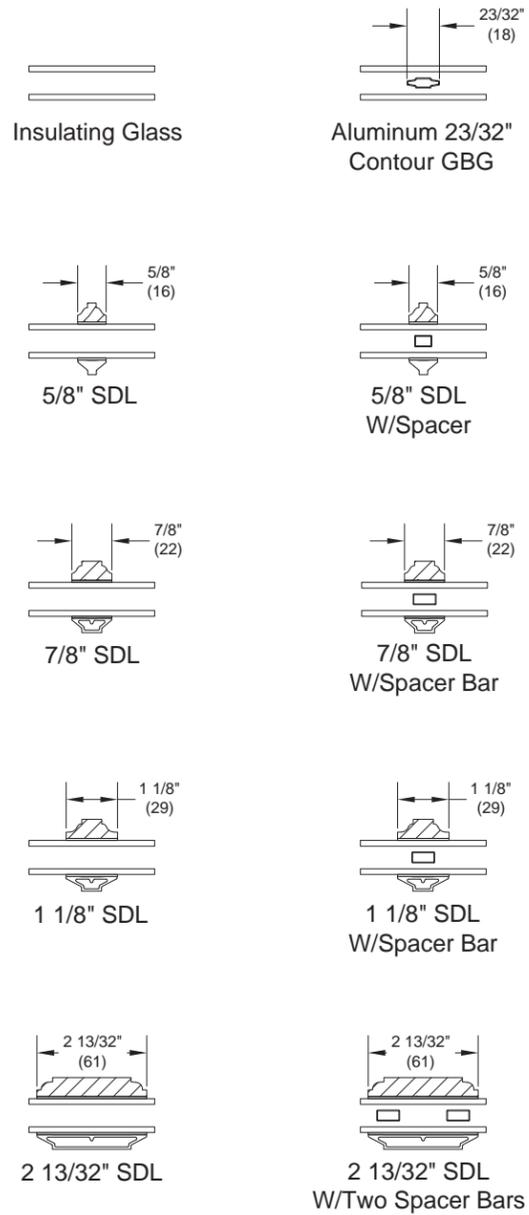
ULTIMATE AWNING  
NARROW FRAME WINDOW,  
SLIDING DOOR  
Ebony

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# Product Options

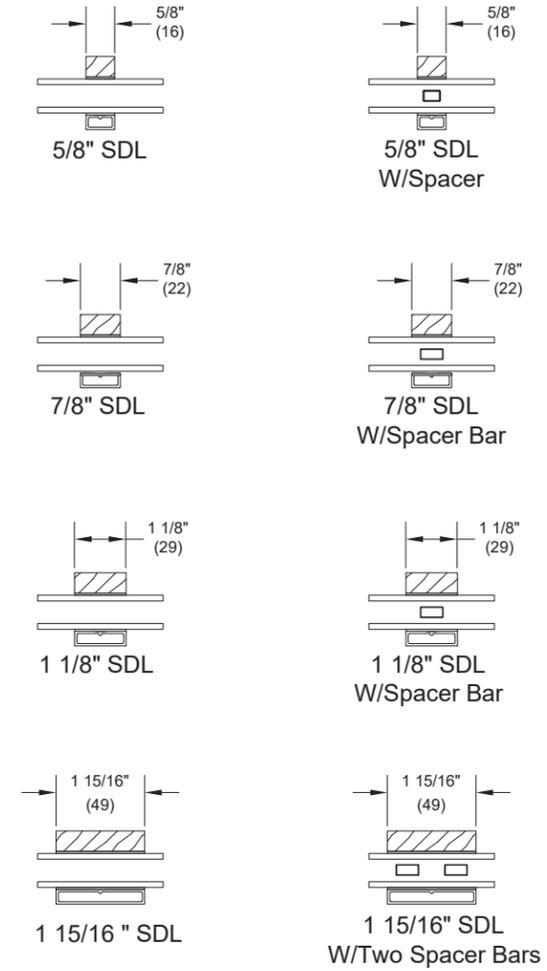
## Glazing Profiles



# Product Options

## Glazing Profiles

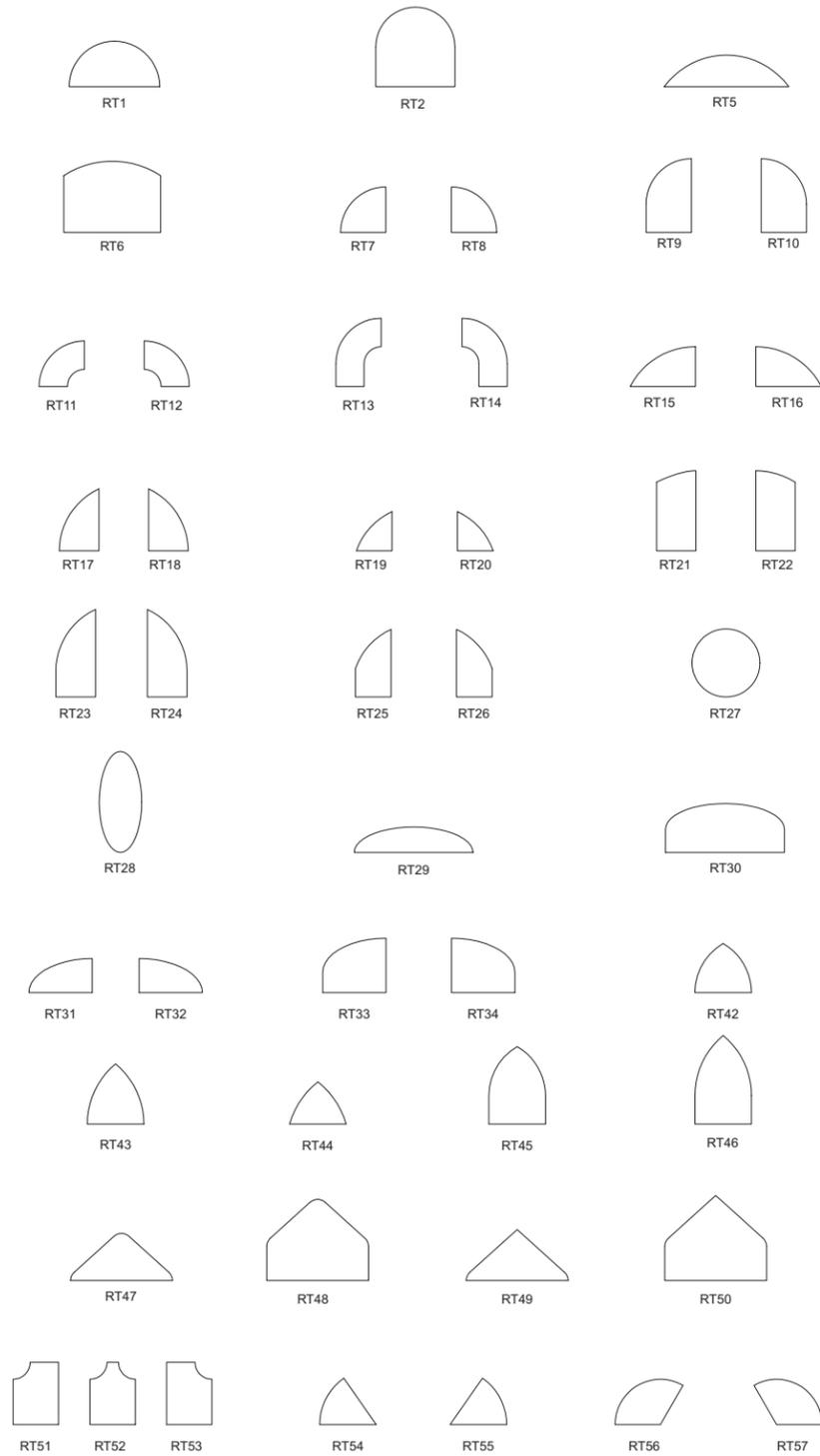
## Square Sticking



\* For additional ADL profiles consult with your local Marvin representative.

# Product Options

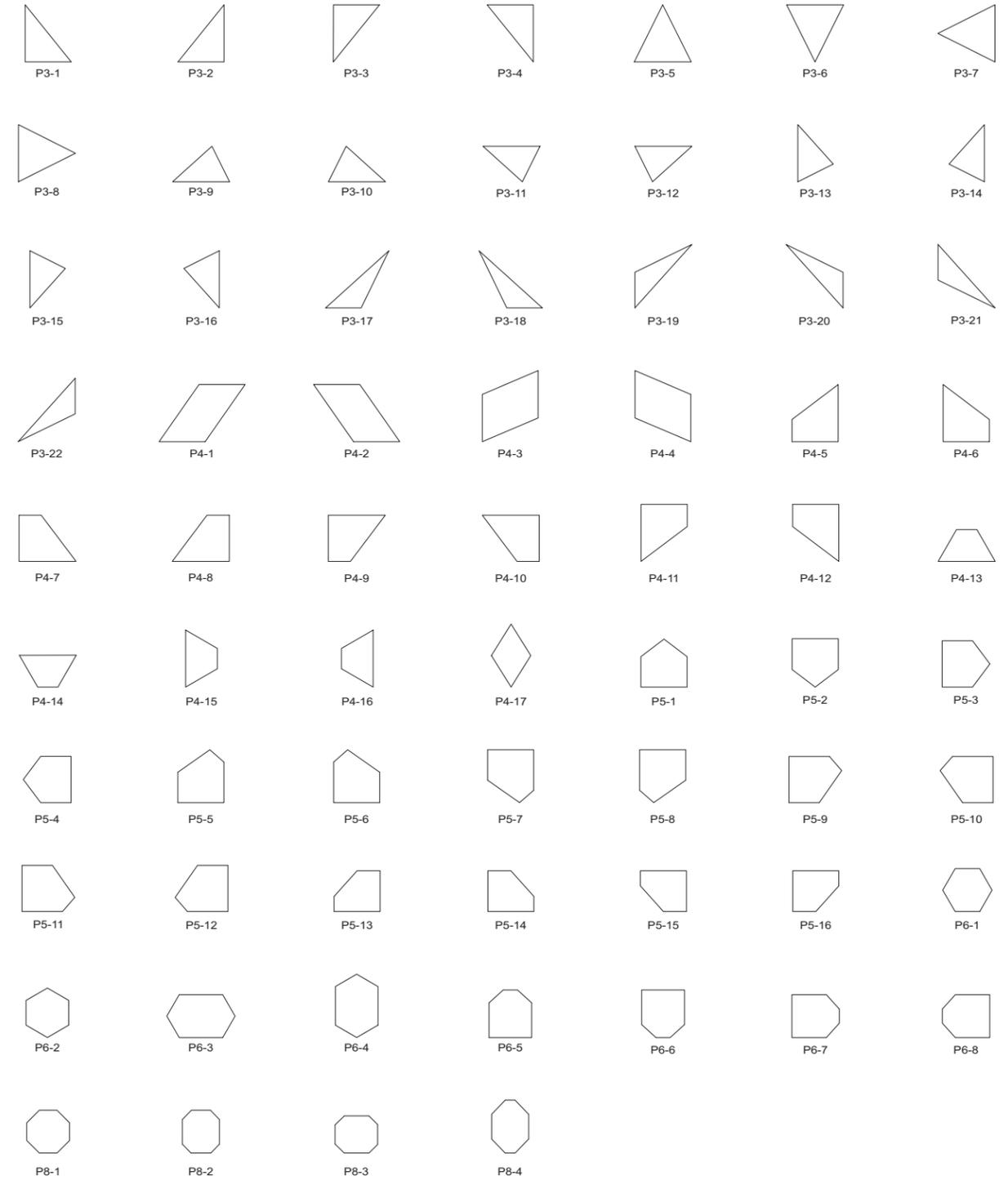
## Quick Reference To Round Top Shapes



\* For additional ADL profiles consult with your local Marvin representative.

# Product Options

## Quick Reference To Polygon Shapes



Details and Elevations not to scale.  
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

## Ordering

The following pages include specifications for many of the standard windows and doors Marvin manufactures. For complete specification information, visit [Marvin.com](http://Marvin.com) or contact your local Marvin representative. There's a lot of information here, but once you understand the different elements, these pages will become the first step in seeing your window and door dreams become a reality. So when you meet with your local Marvin representative, you'll be speaking the same language. And should you have something special in mind, remember that in addition to the thousands of standard offerings listed here, our favorite challenge is creating a custom window or door that has never been built before.

### SPECIFICATION INFORMATION

Each product section is divided into wood and clad, with metric measurements in parenthesis. Cross section drawings are also included. Product codes for ordering are listed under each unit but do not necessarily indicate product size.

You'll notice width and height measurements are given for each size. The masonry opening (MO) is the size of the hole needed if the window is to be installed within a brick, block or stone opening; rough openings (RO) are the required hole size in houses covered with wood, vinyl or metal siding. Frame size (FS) measures from edge to edge of your window (excluding exterior casings); daylight opening (DLO) indicates the dimensions of the visible glass in a single sash (operating or stationary). See chart below.

<b>MO (mm)</b>	1-7 5/8 (499)	1-11 5/8 (600)	2-3 5/8 (702)
<b>RO (mm)</b>	1-5 (432)	1-9 (533)	2-0 (610)
<b>FS (mm)</b>	1-4 (406)	1-8 (508)	2-1 (635)
<b>DLO (mm)</b>	0-10 3/16 (259)	1-2 3/16 (360)	1-6 3/16 (462)

2-1 7/8 (657)		UCA1624
2-9/16 (624)		UCA2024
2-1/16 (611)		UCA2424
1-5 21/64 (440)		

**IMPORTANT:** The information provided in this catalog has been gathered and assembled with every effort made to validate accuracy and consistency of the content. However, Marvin does not make any warranty or guarantee as to this information. Please verify critical product data in Marvin Order Management System (OMS) quotes and at the time of ordering.

Details and Elevations not to scale.

- Numbers listed in parentheses ( ) are metric equivalents in millimeters rounded to the nearest whole number
  - Allow 1/16" (2) tolerance on all measurements
  - On clad units, all masonry openings are based on units without casing
  - All performance information is based on Marvin installation recommendations for standard products
  - Due to the variety of combinations of casing and subsill options available, special dimensional considerations for different installation methods will be required. Please contact your local Marvin retailer when specifying these casing and subsill combinations
- Please consult your local Marvin representative for more information.

For further details and drawings visit the 'Technical Specifications' section at [Marvin.com](http://Marvin.com).

## Performance Rating Information and Standards

As you flip through this catalog, you'll see different ratings on the performance of Marvin windows and doors. Here's some brief background information:

### WDMA STANDARDS

The Window and Door Manufacturers Association (WDMA) in conjunction with other organizations in the industry developed standards that make it easy to compare windows and doors from different manufacturers, testing product performance regarding air and water infiltration, as well as physical loads on the exterior and interior (very important when you consider the pressure differentials that can occur in coastal areas, as well as forced entry resistance). Marvin products are rated in accordance with the AAMA/WDMA/CSA 101/I.S.2/A440. Standards are certified in compliance with the WDMA Hallmark program.

### PERFORMANCE GRADE (PG)

A Performance Grade (PG) Rating is given to products that comply with and attain a specific level of performance in accordance with current testing standards/specifications created by AAMA/WDMA/CSA standards. Once all applicable testing has been successfully completed for air infiltration, water penetration resistance, and structural loading which also includes load deflection, ease of operation, and forced entry resistance testing, a PG rating is given. The higher a PG number the product is rated, the better the performance.

### NFRC

Marvin is a founding member of the National Fenestration Rating Council, an independent, non-profit organization that has established an energy performance rating system for accurately comparing different window and door products. Some factors considered in creating an individual window or door's rating include: the U-factor (measuring heat loss), the solar heat gain coefficient, and visible light transmission, evaluating the frame, sash and glass in its entirety. See [Marvin.com/support/energy-data](http://Marvin.com/support/energy-data) for complete and up to date NFRC values by product.

### ENERGY STAR®

The U.S. Department of Energy and the U.S. Environmental Protection Agency created this standard to help consumers identify products that reduce energy use. Windows and doors that qualify for ENERGY STAR are much more efficient as an average window produced ten years ago and must be rated, certified, and labeled according to the NFRC. To get current energy data, go to [energystar.gov](http://energystar.gov).

### EGRESS CODE

International Building Code – 2012 and 2015 Section 1009 Emergency Escape and Rescue.

**1026.2 Minimum size:** Emergency escape and rescue openings shall have a minimum net clear opening of 5.7 sq ft (0.53 m2).

Exception: The minimum net clear opening for emergency escape and rescue openings on the ground level at grade is 5.0 sq ft (0.46 m2).

**1026.2.1 Minimum dimensions:** The minimum net clear opening height dimension shall be 24 inches (610 mm). The net clear opening width dimension shall be 20 inches (508 mm). The net clear opening dimensions shall be the result of normal operation of the opening.

**1026.3 Maximum height from the floor:** Emergency escape and rescue opening shall have the bottom of the clear opening not greater than 44 inches (1118 mm) measured from the floor.

**1026.4 Operational constraints:** Emergency escape and rescue openings shall be operational from the inside of the room without the use of keys or tools. Bars, grilles, grates or similar devices are permitted to be placed over emergency escape and rescue openings provided the minimum net clear opening size complies with Section 1026.2 and such devices shall be releasable or removable from the inside without the use of a key, tool or force greater than that which is required for normal operation of the escape and rescue opening. Where such bars, grilles, grates or similar devices are installed in existing buildings, smoke alarms shall be installed in accordance with section 907.2.10 regardless of the valuation of the alteration.

Code restrictions may vary depending on your local building codes.

### OPERATING VS. STATIONARY

Marvin drawings always illustrate the window sash or door panels as if you are looking from the outside in. Identifying which sash or panels are operating is a little counter-intuitive. X means operating, O means stationary. So when listing the sash or panels, start from the left to right looking from the exterior. For example, a two panel French Door with a left operating panel and a right stationary panel would be identified as XO. A French Door with two operating panels would be identified as XX.

The identification of stationary/operating panels is then followed by the handing of the primary operating panel (the one that would be opened first, in the case of two operating panels). If you stand straddling the sill of a door with your back to the hinge of the operating panel, notice which hand you would use to reach out and close the door.

That indicates whether a door panel is "R" – right handing or "L" – left handing for Marvin residential doors.



### ORDERING CONSIDERATIONS

All products are ordered through window and door professionals. They'll take care of you every step of the way, working with you to specify each detail. Since Marvin products are not warehoused and are made to order to your exact needs, product returns are at the discretion of your individual dealer.

Listed below are some of the details you may want to consider:

- Wood species
- Bare Wood, primed interior and interior stains
- Bare Wood, primed or clad exterior
- Glazing options such as insulating glass and Low E3 to optimize energy efficiency
- Divided Lite options: Authentic Divided Lite, Simulated Divided Lite, Simulated Divided Lite with spacers, Grilles-Between-the-Glass
- Hardware styles and finishes
- Exterior casings and subsills
- Operating vs. stationary sash and panels
- Screen or combination storm/screen needs
- Jamb depth needs

# Wood Double Hung

MO (mm)	2-0 1/2 (622)	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)	3-8 1/2 (1130)	4-0 1/2 (1232)
RO (mm)	1-10 3/8 (568)	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)	3-6 3/8 (1076)	3-10 3/8 (1178)
FS (mm)	1-9 3/8 (543)	2-1 3/8 (645)	2-5 3/8 (746)	2-7 3/8 (797)	2-9 3/8 (848)	2-11 3/8 (899)	3-1 3/8 (949)	3-5 3/8 (1051)	3-9 3/8 (1153)
DLO (mm)	1-2 15/16 (379)	1-6 15/16 (481)	1-10 15/16 (583)	2-0 15/16 (633)	2-2 15/16 (684)	2-4 15/16 (735)	2-6 15/16 (786)	2-10 15/16 (887)	3-2 15/16 (989)

### Multiple Assembly Conversions

ROUGH OPENING		MASONRY OPENING WITH BMC	
Width	Height	Width	Height
Add all frame sizes plus 1" (25)	Add frame sizes plus 1/2" (13)	Add all frame sizes plus 3 1/8" (79)	Add frame sizes plus 1 9/16" (39)

Details and Elevations not to scale.

E These windows meet national Egress codes for fire evacuation. Local codes may differ.

\* For more Cottage Style sizes than the sample shown, please contact your Marvin representative. Ultimate Double Hung cottage call number formula is figured in fifths. Top sash is 2/5 and bottom is 3/5.

- Standard call number; 2024
- Add the two glass heights; 24" + 24" = 48"
- Divide 48" by 2/5; 19-13/64"
- Round to the nearest standard glass height; 20"
- Subtract from total glass height; 48" - 20" = 28" The call number for the above example is: 2020/28. The top sash will be a 2020 and the bottom sash will be a 2028

**ULTIMATE WOOD DOUBLE HUNG: UWDH**

# Wood Double Hung

MO (mm)	2-0 1/2 (622)	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)	3-8 1/2 (1130)	4-0 1/2 (1232)
RO (mm)	1-10 3/8 (568)	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)	3-6 3/8 (1076)	3-10 3/8 (1178)
FS (mm)	1-9 3/8 (543)	2-1 3/8 (645)	2-5 3/8 (746)	2-7 3/8 (797)	2-9 3/8 (848)	2-11 3/8 (899)	3-1 3/8 (949)	3-5 3/8 (1051)	3-9 3/8 (1153)
DLO (mm)	1-2 15/16 (379)	1-6 15/16 (481)	1-10 15/16 (583)	2-0 15/16 (633)	2-2 15/16 (684)	2-4 15/16 (735)	2-6 15/16 (786)	2-10 15/16 (887)	3-2 15/16 (989)

### Cottage Style\*

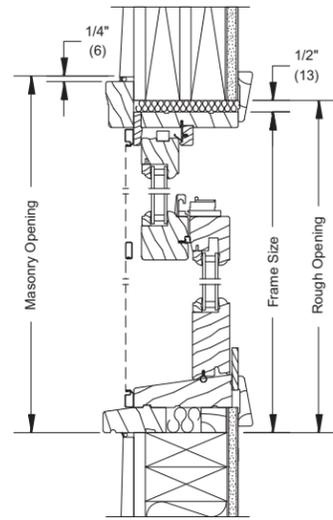
MO (mm)	2-0 1/2 (622)	2-4 1/2 (724)	2-8 1/2 (826)	2-10 1/2 (876)	3-0 1/2 (927)	3-2 1/2 (978)	3-4 1/2 (1029)	3-8 1/2 (1130)	4-0 1/2 (1232)
RO (mm)	1-10 3/8 (568)	2-2 3/8 (670)	2-6 3/8 (772)	2-8 3/8 (822)	2-10 3/8 (873)	3-0 3/8 (924)	3-2 3/8 (975)	3-6 3/8 (1076)	3-10 3/8 (1178)
FS (mm)	1-9 3/8 (543)	2-1 3/8 (645)	2-5 3/8 (746)	2-7 3/8 (797)	2-9 3/8 (848)	2-11 3/8 (899)	3-1 3/8 (949)	3-5 3/8 (1051)	3-9 3/8 (1153)
DLO (mm)	1-2 15/16 (379)	1-6 15/16 (481)	1-10 15/16 (583)	2-0 15/16 (633)	2-2 15/16 (684)	2-4 15/16 (735)	2-6 15/16 (786)	2-10 15/16 (887)	3-2 15/16 (989)

Please consult your local Marvin representative for more information.

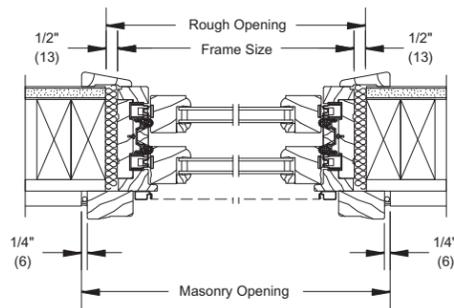
For further details and drawings visit the "Technical Specifications" section at Marvin.com.

# Wood Double Hung

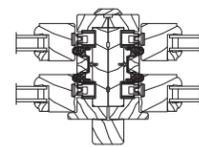
## Construction Details



HEAD JAMB AND SILL - OPERATOR



JAMB - OPERATOR



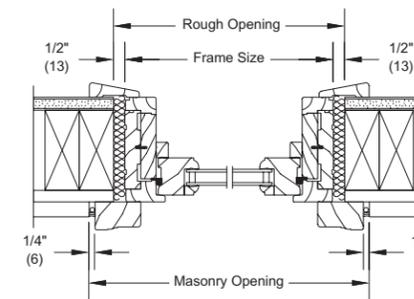
VERTICAL MULLION OPERATOR

# Wood Double Hung Transom

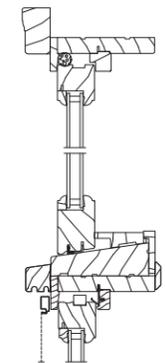
<b>MO (mm)</b>	2-0 1/2 (622)	2-4 1/2 (724)	2-8 1/2 (826)	2-10 1/2 (876)	3-0 1/2 (927)	3-2 1/2 (978)	3-4 1/2 (1029)	3-8 1/2 (1130)	4-0 1/2 (1232)
<b>RO (mm)</b>	1-10 3/8 (568)	2-2 3/8 (670)	2-6 3/8 (772)	2-8 3/8 (822)	2-10 3/8 (873)	3-0 3/8 (924)	3-2 3/8 (975)	3-6 3/8 (1076)	3-10 3/8 (1178)
<b>FS (mm)</b>	1-9 3/8 (543)	2-1 3/8 (645)	2-5 3/8 (746)	2-7 3/8 (797)	2-9 3/8 (848)	2-11 3/8 (899)	3-1 3/8 (949)	3-5 3/8 (1051)	3-9 3/8 (1153)
<b>DLO (mm)</b>	1-2 15/16 (379)	1-6 15/16 (481)	1-10 15/16 (583)	2-0 15/16 (633)	2-2 15/16 (684)	2-4 15/16 (735)	2-6 15/16 (786)	2-10 15/16 (887)	3-2 15/16 (989)

1-6 15/16 (481)	UWDHTR1612	UWDHTR2012	UWDHTR2412	UWDHTR2612	UWDHTR2812	UWDHTR3012	UWDHTR3212	UWDHTR3612	UWDHTR4012
1-5 7/8 (454)									
1-5 3/8 (441)									
0-1 15/16 (278)									
2-2 15/16 (684)	UWDHTR1620	UWDHTR2020	UWDHTR2420	UWDHTR2620	UWDHTR2820	UWDHTR3020	UWDHTR3220	UWDHTR3620	UWDHTR4020
2-1 7/8 (657)									
2-1 3/8 (645)									
1-6 15/16 (481)									

## Construction Details



JAMB - OPERATOR



TRANSOM MULLION OVER ULTIMATE WOOD DOUBLE HUNG

Details and Elevations not to scale.

- Transom heights do not include subsill. Add 1 3/32" (28) for stand alone heights if subsill is wanted.

Please consult your local Marvin representative for more information.

For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

**ULTIMATE WOOD DOUBLE HUNG TRANSOM: UWDHTR**

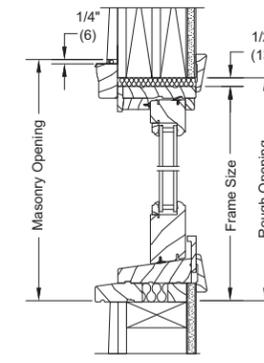
# Wood Double Hung Picture

MO (mm)	3-8 1/2 (1130)	4-4 1/2 (1334)	4-8 1/2 (1435)	5-4 1/2 (1638)	6-0 1/2 (1842)
RO (mm)	3-6 3/8 (1076)	4-2 3/8 (1280)	4-6 3/8 (1381)	5-2 3/8 (1584)	5-10 3/8 (1788)
FS (mm)	3-5 3/8 (1051)	4-1 3/8 (1254)	4-5 3/8 (1356)	5-1 3/8 (1559)	5-9 3/8 (1762)
DLO (mm)	2-10 15/16 (887)	3-6 15/16 (1091)	3-10 15/16 (1192)	4-6 15/16 (1395)	5-2 15/16 (1599)
6-6 9/16 (1696)	3-5 9/16 (1081)				
6-5 1/2 (1588)	3-5 1/2 (1054)				
6-5 (1566)	3-5 (1041)				
5-8 1/4 (1734)	2-8 1/4 (819)				
3-10 9/16 (1183)	3-9 1/2 (1156)				
3-9 1/2 (1156)	3-9 (1143)				
3-9 (1143)	3-0 1/4 (921)				
4-2 9/16 (1284)	4-1 1/2 (1257)				
4-1 1/2 (1257)	4-1 (1245)				
4-1 (1245)	3-4 1/4 (1022)				
4-5 9/16 (1386)	4-5 1/2 (1359)				
4-5 1/2 (1359)	4-5 (1346)				
4-5 (1346)	3-5 1/4 (1124)				
4-10 9/16 (1488)	4-9 1/2 (1461)				
4-9 1/2 (1461)	4-9 (1448)				
4-9 (1448)	4-0 1/4 (1226)				
5-2 9/16 (1589)	5-1 1/2 (1562)				
5-1 1/2 (1562)	5-1 (1549)				
5-1 (1549)	4-4 1/4 (1327)				
5-6 9/16 (1691)	5-5 1/2 (1664)				
5-5 1/2 (1664)	5-5 (1651)				
5-5 (1651)	4-8 1/4 (1429)				
5-10 9/16 (1792)	5-9 1/2 (1765)				
5-9 1/2 (1765)	5-9 (1753)				
5-9 (1753)	5-0 1/4 (1530)				
6-2 9/16 (1894)	6-1 1/2 (1867)				
6-1 1/2 (1867)	6-1 (1854)				
6-1 (1854)	5-4 1/4 (1632)				
6-6 9/16 (1696)					
6-5 1/2 (1588)					
6-5 (1566)					
5-8 1/4 (1734)					

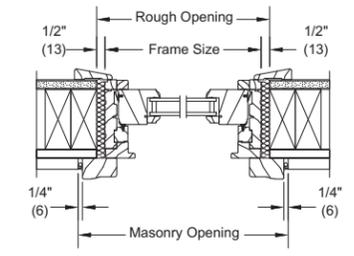
# Wood Double Hung Picture

MO (mm)	3-8 1/2 (1130)	4-4 1/2 (1334)	4-8 1/2 (1435)	5-4 1/2 (1638)	6-0 1/2 (1842)
RO (mm)	3-6 3/8 (1076)	4-2 3/8 (1280)	4-6 3/8 (1381)	5-2 3/8 (1584)	5-10 3/8 (1788)
FS (mm)	3-5 3/8 (1051)	4-1 3/8 (1254)	4-5 3/8 (1356)	5-1 3/8 (1559)	5-9 3/8 (1762)
DLO (mm)	2-10 15/16 (887)	3-6 15/16 (1091)	3-10 15/16 (1192)	4-6 15/16 (1395)	5-2 15/16 (1599)
6-10 9/16 (2087)					
6-9 1/2 (2070)					
6-9 (2057)					
6-0 1/4 (1835)					
7-6 9/16 (2300)					
7-5 1/2 (2273)					
7-5 (2261)					
6-5 1/4 (2038)					
7-10 9/16 (2402)					
7-9 1/2 (2375)					
7-9 (2362)					
7-0 1/4 (2140)					

## Construction Details



2" (51) SASH PICTURE UNIT HEAD JAMB



2" (51) SASH PICTURE UNIT JAMB

Details and Elevations not to scale.  
 • 2" Picture Sash shown. 1 5/8" also available.  
 Please consult your local Marvin representative for more information.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Wood Double Hung Round Top

RT6 Eyebrow Above Springline Standard Sizes One Wide Operator

RO (mm)	2-2 3/8 (670)	2-6 3/8 (772)	2-10 3/8 (873)	3-2 3/8 (975)	3-6 3/8 (1076)	3-10 3/8 (1178)
RO Rad. (mm)	2-0 1/2 (622)	2-0 1/2 (622)	2-6 1/2 (775)	3-4 1/2 (1029)	3-4 1/2 (1029)	3-4 1/2 (1029)
RO (mm)	3-5 1/8 (1045)	3-6 17/32 (1080)	3-6 9/16 (1081)	3-6 1/8 (1070)	3-7 9/32 (1099)	3-8 9/16 (1132)
RO Spln. (mm)	3-1 9/32 (947)	3-1 1/4 (946)	3-1 9/32 (947)	3-1 5/16 (947)	3-1 9/32 (947)	3-1 9/32 (947)
	UWDHRT2014	UWDHRT2414	UWDHRT2814	UWDHRT3214	UWDHRT3614	UWDHRT4014
RO (mm)	3-9 1/8 (1146)	3-10 17/32 (1182)	3-10 9/16 (1183)	3-10 1/8 (1172)	3-11 9/32 (1201)	4-0 9/16 (1233)
RO Spln. (mm)	3-5 9/32 (1048)	3-5 1/4 (1048)	3-5 9/32 (1048)	3-5 5/16 (1049)	3-5 9/32 (1049)	3-5 9/32 (1048)
	UWDHRT2016	UWDHRT2416	UWDHRT2816	UWDHRT3216	UWDHRT3616	UWDHRT4016
RO (mm)	4-1 1/8 (1248)	4-2 17/32 (1283)	4-2 9/16 (1285)	4-2 1/8 (1273)	4-3 9/32 (1302)	4-4 9/16 (1335)
RO Spln. (mm)	3-9 9/32 (1150)	3-9 1/4 (1149)	3-9 9/32 (1150)	3-9 5/16 (1151)	3-9 9/32 (1150)	3-9 9/32 (1150)
	UWDHRT2018	UWDHRT2418	UWDHRT2818	UWDHRT3218	UWDHRT3618	UWDHRT4018
RO (mm)	4-5 1/8 (1349)	4-6 17/32 (1385)	4-6 9/16 (1386)	4-6 1/8 (1375)	4-7 9/32 (1404)	4-8 9/16 (1437)
RO Spln. (mm)	4-1 9/32 (1252)	4-1 1/4 (1251)	4-1 9/32 (1252)	4-1 5/16 (1253)	4-1 9/32 (1252)	4-1 9/32 (1251)
	UWDHRT2020	UWDHRT2420	UWDHRT2820	UWDHRT3220	UWDHRT3620	UWDHRT4020
RO (mm)	4-9 1/8 (1451)	4-10 17/32 (1486)	4-10 9/16 (1488)	4-10 1/8 (1477)	4-11 9/32 (1505)	5-0 9/16 (1538)
RO Spln. (mm)	4-5 9/32 (1353)	4-5 1/4 (1352)	4-5 9/32 (1353)	4-5 5/16 (1354)	4-5 9/32 (1353)	4-5 9/32 (1353)
	UWDHRT2022	UWDHRT2422	UWDHRT2822	UWDHRT3222	UWDHRT3622	UWDHRT4022
RO (mm)	5-1 1/8 (1553)	5-2 17/32 (1588)	5-2 9/16 (1589)	5-2 1/8 (1578)	5-3 9/32 (1607)	5-4 9/16 (1640)
RO Spln. (mm)	4-9 9/32 (1455)	4-9 1/4 (1454)	4-9 9/32 (1455)	4-9 5/16 (1455)	4-9 9/32 (1455)	4-9 9/32 (1455)
	UWDHRT2024	UWDHRT2424	UWDHRT2824	UWDHRT3224	UWDHRT3624	UWDHRT4024
RO (mm)	5-5 1/8 (1654)	5-6 17/32 (1690)	5-6 9/16 (1691)	5-6 1/8 (1680)	5-7 9/32 (1709)	5-8 9/16 (1741)
RO Spln. (mm)	5-1 9/32 (1556)	5-1 1/4 (1556)	5-1 9/32 (1556)	5-1 5/16 (1557)	5-1 9/32 (1557)	5-1 9/32 (1556)
	UWDHRT2026	UWDHRT2426	UWDHRT2826	UWDHRT3226	UWDHRT3626	UWDHRT4026

ULTIMATE WOOD DOUBLE HUNG ROUND TOP: UWDHRT

# Wood Double Hung Round Top

RT6 Eyebrow Above Springline Standard Sizes One Wide Operator

RO (mm)	2-2 3/8 (670)	2-6 3/8 (772)	2-10 3/8 (873)	3-2 3/8 (975)	3-6 3/8 (1076)	3-10 3/8 (1178)
RO Rad. (mm)	2-0 1/2 (622)	2-0 1/2 (622)	2-6 1/2 (775)	3-4 1/2 (1029)	3-4 1/2 (1029)	3-4 1/2 (1029)
RO (mm)	5-9 1/8 (1756)	5-10 17/32 (1791)	5-10 9/16 (1792)	5-10 1/8 (1781)	5-11 9/32 (1810)	6-0 9/16 (1843)
RO Spln. (mm)	5-5 9/32 (1658)	5-5 1/4 (1657)	5-5 9/32 (1658)	5-5 5/16 (1659)	5-5 9/32 (1658)	5-5 9/32 (1658)
	UWDHRT2028	UWDHRT2428	UWDHRT2828	UWDHRT3228 E	UWDHRT3628 E	UWDHRT4028 E
RO (mm)	6-1 1/8 (1858)	6-2 17/32 (1893)	6-2 9/16 (1894)	6-2 1/8 (1883)	6-3 9/32 (1912)	6-4 9/16 (1945)
RO Spln. (mm)	5-9 9/32 (1760)	5-9 1/4 (1759)	5-9 9/32 (1759)	5-9 5/16 (1760)	5-9 9/32 (1760)	5-9 9/32 (1759)
	UWDHRT2030	UWDHRT2430	UWDHRT2830 E	UWDHRT3230 E	UWDHRT3630 E	UWDHRT4030 E
RO (mm)	6-5 1/8 (1959)	6-6 17/32 (1994)	6-6 9/16 (1996)	6-6 1/8 (1985)	6-7 9/32 (2013)	6-8 9/16 (2046)
RO Spln. (mm)	6-1 9/32 (1861)	6-1 1/4 (1860)	6-1 9/32 (1861)	6-1 5/16 (1862)	6-1 9/32 (1861)	6-1 9/32 (1861)
	UWDHRT2032	UWDHRT2432	UWDHRT2832 E	UWDHRT3232 E	UWDHRT3632 E	UWDHRT4032 E
RO (mm)	6-9 1/8 (2061)	6-10 17/32 (2096)	6-10 9/16 (2097)	6-10 1/8 (2086)	6-11 9/32 (2115)	7-0 9/16 (2148)
RO Spln. (mm)	6-5 9/32 (1963)	6-5 1/4 (1962)	6-5 9/32 (1963)	6-5 5/16 (1963)	6-5 9/32 (1963)	6-5 9/32 (1963)
	UWDHRT2034	UWDHRT2434 E	UWDHRT2834 E	UWDHRT3234 E	UWDHRT3634 E	UWDHRT4034 E
RO (mm)	7-1 1/8 (2162)	7-2 17/32 (2198)	7-2 9/16 (2199)	7-2 1/8 (2188)	7-3 9/32 (2217)	7-4 9/16 (2249)
RO Spln. (mm)	6-9 9/32 (2064)	6-9 1/4 (2064)	6-9 9/32 (2064)	6-9 5/16 (2065)	6-9 9/32 (2065)	6-9 9/32 (2064)
	UWDHRT2036	UWDHRT2436 E	UWDHRT2836 E	UWDHRT3236 E	UWDHRT3636 E	UWDHRT4036 E

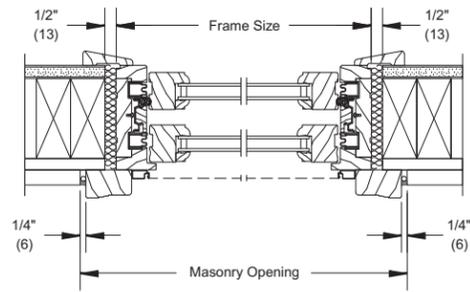
Details and Elevations not to scale.

E These windows meet national Egress codes for fire evacuation. Local codes may differ. Please consult your local Marvin representative for more information.

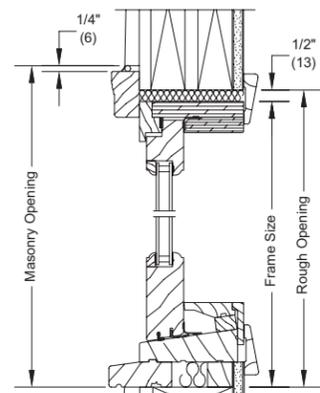
For further details and drawings visit the "Technical Specifications" section at Marvin.com.

# Wood Double Hung Round Top

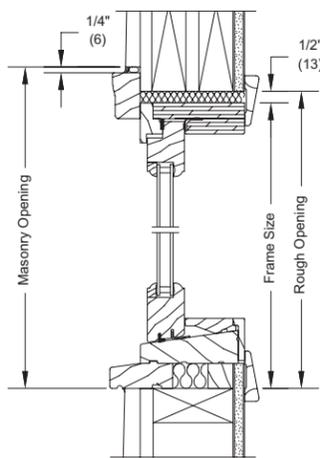
## Construction Details



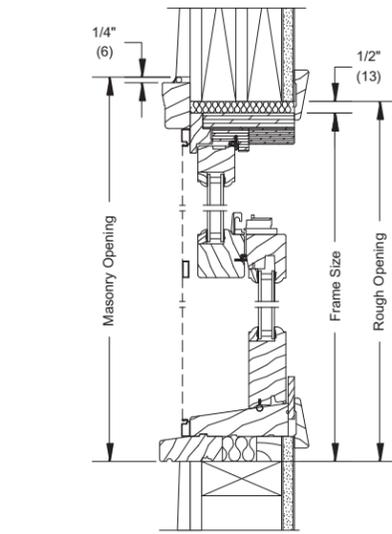
JAMB - OPERATOR



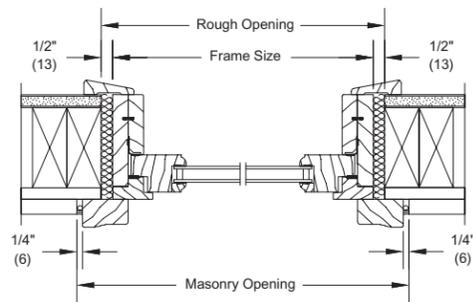
1 5/8" SASH  
HEAD JAMB AND SILL - PICTURE



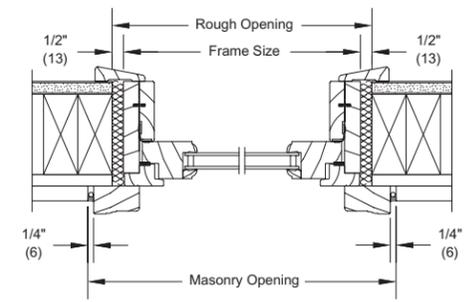
1 5/8" SASH  
HEAD JAMB AND SILL - TRANSOM



HEAD JAMB AND SILL - OPERATOR



1 5/8" SASH  
JAMB - PICTURE



1 5/8" SASH  
JAMB - TRANSOM

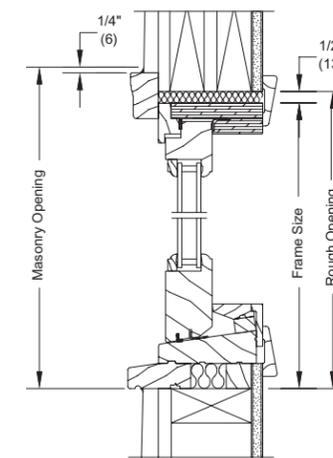
# Wood Double Hung Transom Round Top

## RT1 True Half Circle - In Sash Transom

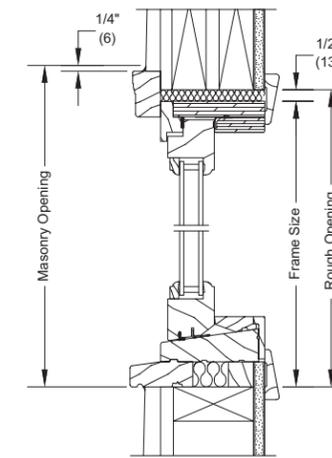
RO (mm)	2-2 3/8 (670)	2-6 3/8 (772)	2-8 3/8 (822)	2-10 3/8 (873)	3-0 3/8 (924)	3-2 3/8 (975)
RO Rad. (mm)	1-1 3/16 (335)	1-3 3/16 (386)	1-4 3/16 (411)	1-5 3/16 (437)	1-6 3/16 (462)	1-7 3/16 (487)
RO (mm)	1-1 3/16 (335)	1-3 3/16 (386)	1-4 3/16 (411)	1-5 3/16 (437)	1-6 3/16 (462)	1-7 3/16 (487)
	UWDHTRRT2015	UWDHTRRT2417	UWDHTRRT2618	UWDHTRRT2819	UWDHTRRT3020	UWDHTRRT3221

RO (mm)	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)
RO Rad. (mm)	1-9 3/16 (538)	1-11 3/16 (589)	2-1 7/8 (657)	2-5 7/8 (759)	2-9 7/8 (860)	3-1 7/8 (962)
RO (mm)	1-9 3/16 (538)	1-11 3/16 (589)	2-1 7/8 (657)	2-5 7/8 (759)	2-9 7/8 (860)	3-1 7/8 (962)
	UWDHTRRT3623	UWDHTRRT4025	UWDHTRRT5027	UWDHTRRT5831	UWDHTRRT6635	UWDHTRRT7439

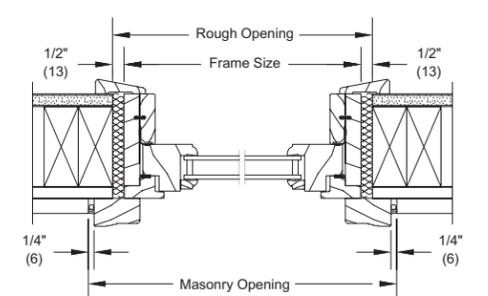
## Construction Details



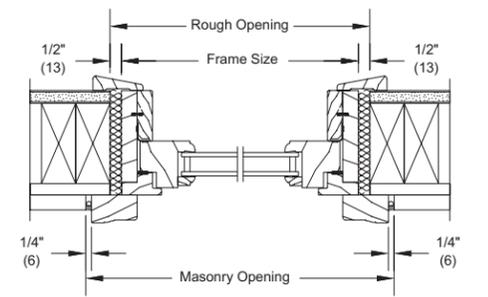
2" SASH HEAD JAMB AND SILL - PICTURE



2" SASH HEAD JAMB AND SILL - TRANSOM



2" SASH JAMB - TRANSOM



2" SASH JAMB - PICTURE

Details and Elevations not to scale.

- Elevations shown represent standard transoms without subsill. Add 15/16" (24) for direct glaze and 1 3/32" (28) for in sash to the rough opening height for standalone unit.
- Construction details without subsill not shown.

Please consult your local Marvin representative for more information.

For further details and drawings visit the "Technical Specifications" section at Marvin.com.

**ULTIMATE WOOD DOUBLE HUNG TRANSOM ROUND TOP: UWDHTRRT**

# Wood Direct Glaze Round Top - Double Hung

RT6 Eyebrow Above Springline Standard Sizes - Direct Glaze

RO (mm)	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)	3-6 3/8 (1076)
RO Rad. (mm)	2-0 1/2 (622)		2-6 1/2 (775)		3-4 1/2 (1029)		3-4 1/2 (1029)
RO (mm)	1-0 1/2 (318)	0-7 7/32 (183)	0-7 7/8 (200)	0-7 3/16 (183)	0-6 1/2 (165)	0-7 11/16 (195)	0-6 1/2 (165)
RO Spn. (mm)	0-8 5/8 (219)	0-7 7/32 (183)	0-7 7/8 (200)	0-7 3/16 (183)	0-6 1/2 (165)	0-7 11/16 (195)	0-6 1/2 (165)
RO (mm)	1-6 1/2 (470)	1-1 7/32 (336)	1-1 7/8 (352)	1-1 3/16 (335)	1-0 1/2 (318)	1-1 11/16 (348)	1-0 1/2 (318)
RO Spn. (mm)	1-2 5/8 (372)	1-1 7/32 (336)	1-1 7/8 (352)	1-1 3/16 (335)	1-0 1/2 (318)	1-1 11/16 (348)	1-0 1/2 (318)
RO (mm)	2-0 1/2 (622)	1-7 7/32 (488)	1-7 7/8 (505)	1-7 3/16 (487)	1-6 1/2 (470)	1-7 11/16 (500)	1-6 1/2 (470)
RO Spn. (mm)	1-8 5/8 (524)	1-7 7/32 (488)	1-7 7/8 (505)	1-7 3/16 (487)	1-6 1/2 (470)	1-7 11/16 (500)	1-6 1/2 (470)
RO (mm)	3-0 1/2 (927)	2-7 7/32 (793)	2-7 7/8 (810)	2-7 3/16 (792)	2-6 1/2 (775)	2-7 11/16 (805)	2-6 1/2 (775)
RO Spn. (mm)	2-8 5/8 (829)	2-7 7/32 (793)	2-7 7/8 (810)	2-7 3/16 (792)	2-6 1/2 (775)	2-7 11/16 (805)	2-6 1/2 (775)
RO (mm)	4-0 1/2 (1232)	3-7 7/32 (1098)	3-7 7/8 (1114)	3-7 3/16 (1097)	3-6 1/2 (1080)	3-7 11/16 (1110)	3-6 1/2 (1080)
RO Spn. (mm)	3-8 5/8 (1133)	3-7 7/32 (1098)	3-7 7/8 (1114)	3-7 3/16 (1097)	3-6 1/2 (1080)	3-7 11/16 (1110)	3-6 1/2 (1080)
RO (mm)	5-0 1/2 (1537)	4-7 7/32 (1403)	4-7 7/8 (1419)	4-7 3/16 (1402)	4-6 1/2 (1384)	4-7 11/16 (1414)	4-6 1/2 (1384)
RO Spn. (mm)	4-8 5/8 (1438)	4-7 7/32 (1403)	4-7 7/8 (1419)	4-7 3/16 (1402)	4-6 1/2 (1384)	4-7 11/16 (1414)	4-6 1/2 (1384)
RO (mm)	6-0 1/2 (1842)	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)	5-6 1/2 (1689)
RO Spn. (mm)	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)	5-6 1/2 (1689)

# Wood Direct Glaze Round Top - Double Hung

RT6 Eyebrow Above Springline Standard Sizes - Direct Glaze

RO (mm)	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)
RO Rad. (mm)	3-4 1/2 (1029)		4-6 1/2 (1384)		6-0 1/2 (1842)
RO (mm)	1-6 1/2 (470)	0-9 5/32 (233)	0-9 9/16 (243)	0-10 1/8 (257)	0-7 13/16 (198)
RO Spn. (mm)	0-11 7/32 (285)	0-9 5/32 (233)	0-9 9/16 (243)	0-10 1/8 (257)	0-7 13/16 (198)
RO (mm)	2-0 1/2 (622)	1-3 5/32 (385)	1-3 9/16 (395)	1-4 1/8 (410)	1-1 13/16 (351)
RO Spn. (mm)	1-5 7/32 (437)	1-3 5/32 (385)	1-3 9/16 (395)	1-4 1/8 (410)	1-1 13/16 (351)
RO (mm)	3-0 1/2 (927)	2-3 5/32 (690)	2-3 9/16 (700)	2-4 1/8 (714)	2-1 13/16 (656)
RO Spn. (mm)	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)
RO (mm)	4-0 1/2 (1232)	3-3 5/32 (995)	3-3 9/16 (1005)	3-4 1/8 (1019)	3-1 13/16 (960)
RO Spn. (mm)	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)
RO (mm)	5-0 1/2 (1537)	4-3 5/32 (1299)	4-3 9/16 (1310)	4-4 1/8 (1324)	4-1 13/16 (1265)
RO Spn. (mm)	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)
RO (mm)	6-0 1/2 (1842)	5-3 5/32 (1604)	5-3 9/16 (1614)	5-4 1/8 (1629)	5-1 13/16 (1570)
RO Spn. (mm)	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)

Details and Elevations not to scale.

- If these units are NOT used as transoms, ADD 1 3/32" (28) to the rough opening height for subsill.

Please consult your local Marvin representative for more information.

For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

ULTIMATE WOOD DIRECT GLAZE ROUND TOP: UWDGRT

# Wood Direct Glaze Round Top - Double Hung

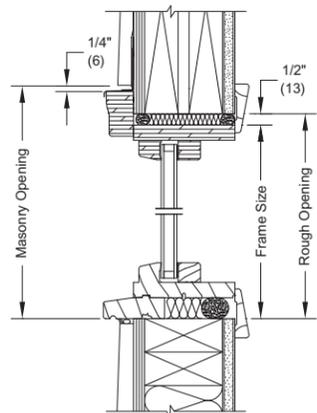
## RT1 True Half Circle Standard Sizes - Direct Glaze

RO (mm)	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)	3-6 3/8 (1076)
RO (mm)	1-3 3/16 (886)	1-4 3/16 (411)	1-5 3/16 (437)	1-6 3/16 (462)	1-7 3/16 (487)	1-9 3/16 (638)
	UWDGRT2914	UWDGRT3115	UWDGRT3316	UWDGRT3517	UWDGRT3718	UWDGRT4120
RO (mm)	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)	
RO (mm)	1-11 3/16 (859)	2-1 7/8 (657)	2-5 7/8 (759)	2-9 7/8 (860)	3-1 7/8 (962)	
	UWDGRT4522	UWDGRT5025	UWDGRT5828	UWDGRT6632	UWDGRT7437	

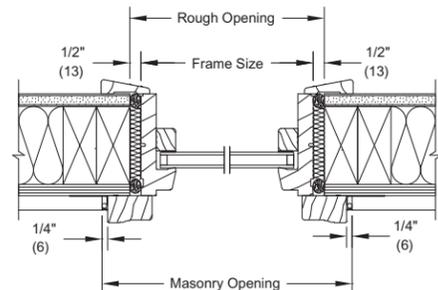
## RT29 Elliptical Standard Sizes - Direct Glaze

RO (mm)	4-3 3/4 (1314)	4-11 3/4 (1518)	5-7 3/4 (1721)	6-3 3/4 (1924)
RO (mm)	1-5 5/16 (456)			
	UWDGRT5118	UWDGRT5918	UWDGRT6718	UWDGRT7518

### Construction Details



HEAD JAMB AND SILL - DIRECT GLAZE



JAMB - DIRECT GLAZE

Details and Elevations not to scale.  
 • If these units are NOT used as transoms, ADD 1 3/32" (28) to the rough opening height for subsill.  
 Please consult your local Marvin representative for more information.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Double Hung G2

MO (mm)	1-9 3/4 (552)	2-1 3/4 (654)	2-5 3/4 (756)	2-7 3/4 (806)	2-9 3/4 (857)	2-11 3/4 (908)
RO (mm)	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)	3-0 1/4 (921)
FS (mm)	1-9 1/4 (540)	2-1 1/4 (641)	2-5 1/4 (743)	2-7 1/4 (794)	2-9 1/4 (845)	2-11 1/4 (895)
DLO (mm)	14 47/64 (347)	18 47/64 (476)	22 47/64 (577)	24 47/64 (628)	26 47/64 (679)	28 47/64 (730)

2-7 3/4 (806)	UDHG2 1612	UDHG2 2012	UDHG2 2412	UDHG2 2612	UDHG2 2812	UDHG2 3012
2-8 (813)						
2-11 3/4 (908)	UDHG2 1614	UDHG2 2014	UDHG2 2414	UDHG2 2614	UDHG2 2814	UDHG2 3014
3-0 (914)						
2-11 1/2 (902)						
12-3/4 (324)						
3-3 3/4 (1010)	UDHG2 1616	UDHG2 2016	UDHG2 2416	UDHG2 2616	UDHG2 2816	UDHG2 3016
3-4 (1016)						
3-3 1/2 (1003)						
14-3/4 (375)						
3-7 3/4 (1111)	UDHG2 1618	UDHG2 2018	UDHG2 2418	UDHG2 2618	UDHG2 2818	UDHG2 3018
3-8 (1118)						
3-7 1/2 (1105)						
16-3/4 (425)						
3-11 3/4 (1213)	UDHG2 1620	UDHG2 2020	UDHG2 2420	UDHG2 2620	UDHG2 2820	UDHG2 3020
4-0 (1219)						
3-11 1/2 (1207)						
18-3/4 (476)						
4-3 3/4 (1314)	UDHG2 1622	UDHG2 2022	UDHG2 2422	UDHG2 2622	UDHG2 2822	UDHG2 3022
4-4 (1321)						
4-3 1/2 (1308)						
20-3/4 (527)						
4-7 3/4 (1416)	UDHG2 1624	UDHG2 2024	UDHG2 2424	UDHG2 2624	UDHG2 2824	UDHG2 3024
4-8 (1422)						
4-7 1/2 (1410)						
22-3/4 (578)						
4-11 3/4 (1518)	UDHG2 1626	UDHG2 2026	UDHG2 2426	UDHG2 2626	UDHG2 2826	UDHG2 3026
5-0 (1524)						
4-11 1/2 (1511)						
24-3/4 (629)						
5-3 3/4 (1619)	UDHG2 1628	UDHG2 2028	UDHG2 2428	UDHG2 2628	UDHG2 2828	UDHG2 3028 E
5-4 (1626)						
5-3 1/2 (1613)						
26-3/4 (679)						

### Multiple Assembly Conversions

ROUGH OPENING		MASONRY OPENING WITHOUT BMC	
Width	Height	Width	Height
Add all frame sizes plus 1" (25)	Add frame sizes plus 1/2" (13)	Add all frame sizes plus 1/2" (13)	Add frame sizes plus 1/4" (6)

ULTIMATE DOUBLE HUNG G2: UDHG2

# Double Hung G2

<b>MO (mm)</b>	3-1 3/4 (959)	3-5 3/4 (1060)	3-9 3/4 (1162)	4-1 3/4 (1264)	4-5 3/4 (1365)	4-11 3/4 (1518)	5-5 3/4 (1670)
<b>RO (mm)</b>	3-2 1/4 (972)	3-6 1/4 (1073)	3-10 1/4 (1175)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-0 1/4 (1530)	5-6 1/4 (1683)
<b>FS (mm)</b>	3-1 1/4 (946)	3-5 1/4 (1048)	3-9 1/4 (1149)	4-1 1/4 (1251)	4-5 1/4 (1353)	4-11 1/4 (1505)	5-5 1/4 (1657)
<b>DLO (mm)</b>	30 47/64 (781)	34 47/64 (882)	38 47/64 (984)	42 47/64 (1085)	46 47/64 (984)	52 47/64 (984)	58 47/64 (1492)

2-7 3/4 (806) 2-8 (813) 2-7 1/2 (800) 10 3/4 (273)							
2-11 3/4 (908) 3-0 (914) 2-11 1/2 (902) 12 3/4 (324)							
3-3 3/4 (1010) 3-4 (1016) 3-3 1/2 (1003) 14 3/4 (375)							
3-7 3/4 (1111) 3-8 (1118) 3-7 1/2 (1105) 16 3/4 (425)							
3-11 3/4 (1213) 4-0 (1219) 3-11 1/2 (1207) 18 3/4 (476)							
4-3 3/4 (1314) 4-4 (1321) 4-3 1/2 (1308) 20 3/4 (527)							
4-7 3/4 (1416) 4-8 (1422) 4-7 1/2 (1410) 22 3/4 (578)							
4-11 3/4 (1518) 5-0 (1524) 4-11 1/2 (1511) 24 3/4 (629)							
5-3 3/4 (1619) 5-4 (1626) 5-3 1/2 (1613) 26 3/4 (679)							

# Double Hung G2

<b>MO (mm)</b>	1-9 3/4 (552)	2-1 3/4 (654)	2-5 3/4 (756)	2-7 3/4 (806)	2-9 3/4 (857)	2-11 3/4 (908)
<b>RO (mm)</b>	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)	3-0 1/4 (921)
<b>FS (mm)</b>	1-9 1/4 (540)	2-1 1/4 (641)	2-5 1/4 (743)	2-7 1/4 (794)	2-9 1/4 (845)	2-11 1/4 (895)
<b>DLO (mm)</b>	14 47/64 (347)	18 47/64 (476)	22 47/64 (577)	24 47/64 (628)	26 47/64 (679)	28 47/64 (730)

5-7 3/4 (1721) 5-8 (1727) 5-7 1/2 (1715) 28 3/4 (730)						
5-11 3/4 (1822) 6-0 (1829) 5-11 1/2 (1816) 30 3/4 (781)						
6-3 3/4 (1924) 6-4 (1930) 6-3 1/2 (1918) 32 3/4 (832)						
6-7 3/4 (2026) 6-8 (2032) 6-7 1/2 (2019) 34 3/4 (883)						
7-3 3/4 (2229) 7-4 (2235) 7-3 1/2 (2223) 38 3/4 (984)						
7-7 3/4 (2330) 7-8 (2337) 7-7 1/2 (2324) 40 3/4 (1035)						

Details and Elevations not to scale.

E These windows meet national Egress codes for fire evacuation. Local codes may differ. Please consult your local Marvin representative for more information.

For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Double Hung G2

<b>MO (mm)</b>	3-1 3/4 (959)	3-5 3/4 (1060)	3-9 3/4 (1162)	4-1 3/4 (1264)	4-5 3/4 (1365)	4-11 3/4 (1518)	5-5 3/4 (1670)
<b>RO (mm)</b>	3-2 1/4 (972)	3-6 1/4 (1073)	3-10 1/4 (1175)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-0 1/4 (1530)	5-6 1/4 (1683)
<b>FS (mm)</b>	3-1 1/4 (946)	3-5 1/4 (1048)	3-9 1/4 (1149)	4-1 1/4 (1251)	4-5 1/4 (1353)	4-11 1/4 (1505)	5-5 1/4 (1657)
<b>DLO (mm)</b>	30 47/64 (781)	34 47/64 (882)	38 47/64 (984)	42 47/64 (1085)	46 47/64 (984)	52 47/64 (984)	58 47/64 (1492)

5-7 3/4 (1721) 5-8 (1727) 5-7 1/2 (1715) 28 3/4 (730)							
5-11 3/4 (1822) 6-0 (1829) 5-11 1/2 (1816) 30 3/4 (781)							
6-3 3/4 (1924) 6-4 (1930) 6-3 1/2 (1918) 32 3/4 (832)							
6-7 3/4 (2026) 6-8 (2032) 6-7 1/2 (2019) 34 3/4 (883)							
7-3 3/4 (2229) 7-4 (2235) 7-3 1/2 (2223) 38 3/4 (984)							
7-7 3/4 (2330) 7-8 (2337) 7-7 1/2 (2324) 40 3/4 (1035)							

Details and Elevations not to scale.  
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# Double Hung G2

<b>MO (mm)</b>	1-9 3/4 (552)	2-1 3/4 (654)	2-5 3/4 (756)	2-7 3/4 (806)	2-9 3/4 (857)	2-11 3/4 (908)
<b>RO (mm)</b>	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)	3-0 1/4 (921)
<b>FS (mm)</b>	1-9 1/4 (540)	2-1 1/4 (641)	2-5 1/4 (743)	2-7 1/4 (794)	2-9 1/4 (845)	2-11 1/4 (895)
<b>DLO (mm)</b>	14 47/64 (347)	18 47/64 (476)	22 47/64 (577)	24 47/64 (628)	26 47/64 (679)	28 47/64 (730)

8-11 3/4 (2737) 9-0 (2743) 8-11 1/2 (2731) 48 3/4 (1238)						
9-11 3/4 (3042) 10-0 (3048) 9-11 1/2 (3035) 54 3/4 (1391)						
10-7 3/4 (3245) 10-8 (3251) 10-7 1/2 (3239) 58 3/4 (1492)						

## Cottage Style\*

<b>MO (mm)</b>	1-9 3/4 (552)	2-1 3/4 (654)	2-5 3/4 (756)	2-7 3/4 (806)	2-9 3/4 (857)
<b>RO (mm)</b>	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)
<b>FS (mm)</b>	1-9 1/4 (540)	2-1 1/4 (641)	2-5 1/4 (743)	2-7 1/4 (794)	2-9 1/4 (845)
<b>DLO (mm)</b>	14 47/64 (347)	18 47/64 (476)	22 47/64 (577)	24 47/64 (628)	26 47/64 (679)

5-7 3/4 (1721) 5-8 (1727) 5-7 1/2 (1715) 22 3/4 (578)/34 3/4 (883)					
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\* Cottage Formula:

- Select the standard size double hung that will fit the rough opening
- Subtract 7 1/2" (191) from the frame size height to get total glass height
- Multiply the total glass height by the desired top sash ratio, this is the top sash glass height
- Subtract the top sash height from the total glass height, this is the bottom sash glass height

Example:

- UDHG2 with a 0.400 top sash ratio (2/5 - 3/5) cottage style. If the rough opening is 2'-2 1/4" x 4' (RO for a CUDH 2020) the frame size will be 25 1/4" x 47 1/2"
- 47 1/2" - 7 1/2" = 40"
- 40" multiplied by 0.400 (2/5) = 16"
- 40" - 16" = 24"
- The top sash will be a 2016 and the bottom sash will be a 2024. The call number for the example is: UDHG2 2016-24

## Double Hung G2

<b>MO (mm)</b>	3-1 3/4 (959)	3-5 3/4 (1060)	3-9 3/4 (1162)	4-1 3/4 (1264)	4-5 3/4 (1365)	4-11 3/4 (1518)	5-5 3/4 (1670)
<b>RO (mm)</b>	3-2 1/4 (972)	3-6 1/4 (1073)	3-10 1/4 (1175)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-0 1/4 (1530)	5-6 1/4 (1683)
<b>FS (mm)</b>	3-1 1/4 (946)	3-5 1/4 (1048)	3-9 1/4 (1149)	4-1 1/4 (1251)	4-5 1/4 (1353)	4-11 1/4 (1505)	5-5 1/4 (1657)
<b>DLO (mm)</b>	30 47/64 (781)	34 47/64 (882)	38 47/64 (984)	42 47/64 (1085)	46 47/64 (984)	52 47/64 (984)	58 47/64 (1492)

8-11 3/4 (2737) 9-0 (2743) 8-11 1/2 (2731) 48 3/4 (1238)							
9-11 3/4 (3042) 10-0 (3048) 9-11 1/2 (3035) 54 3/4 (1391)							
10-7 3/4 (3245) 10-8 (3251) 10-7 1/2 (3239) 58 3/4 (1492)							

### Cottage Style\*

<b>MO (mm)</b>	2-11 3/4 (908)	3-1 3/4 (959)	3-5 3/4 (1060)	3-9 3/4 (1162)
<b>RO (mm)</b>	3-0 1/4 (921)	3-2 1/4 (972)	3-6 1/4 (1073)	3-10 1/4 (1175)
<b>FS (mm)</b>	2-11 1/4 (895)	3-1 1/4 (946)	3-5 1/4 (1048)	3-9 1/4 (1149)
<b>DLO (mm)</b>	28 47/64 (730)	30 47/64 (781)	34 47/64 (882)	38 47/64 (984)

5-7 3/4 (1721) 5-8 (1727) 5-7 1/2 (1715) 22 3/4 (578)/34 3/4 (883)				
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Details and Elevations not to scale.

E These windows meet national Egress codes for fire evacuation. Local codes may differ.

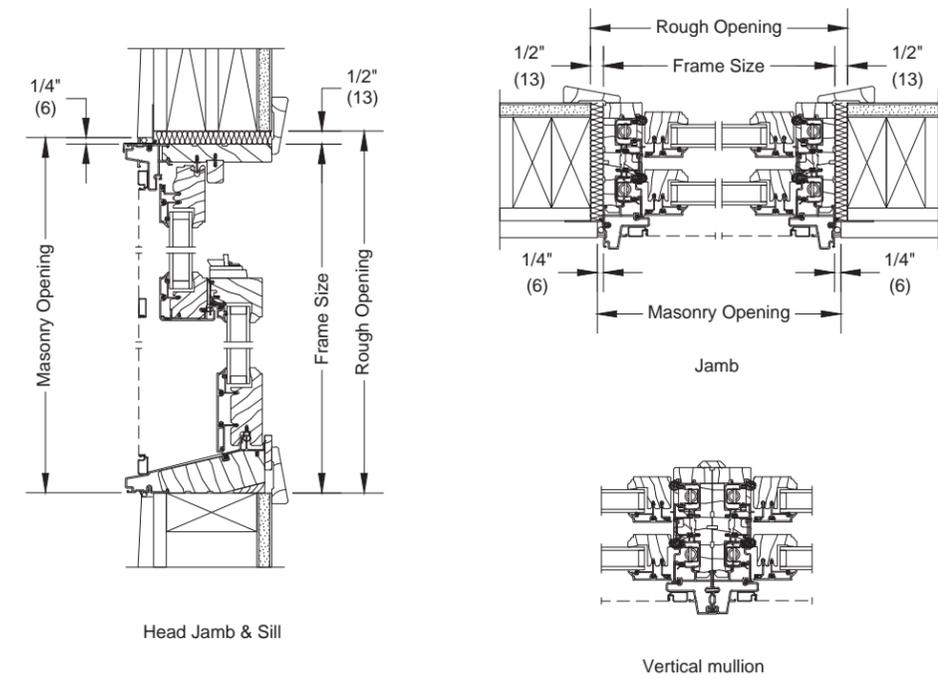
\* Cottage Formula:

1. Select the standard size double hung that will fit the rough opening
2. Subtract 7 1/2" (191) from the frame size height to get total glass height
3. Multiply the total glass height by the desired top sash ratio, this is the top sash glass height
4. Subtract the top sash height from the total glass height, this is the bottom sash glass height

Please consult your local Marvin representative for more information.

For further details and drawings visit the "Technical Specifications" section at Marvin.com.

## Double Hung G2



## Double Hung Transom G2

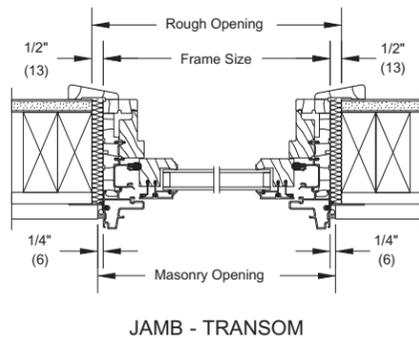
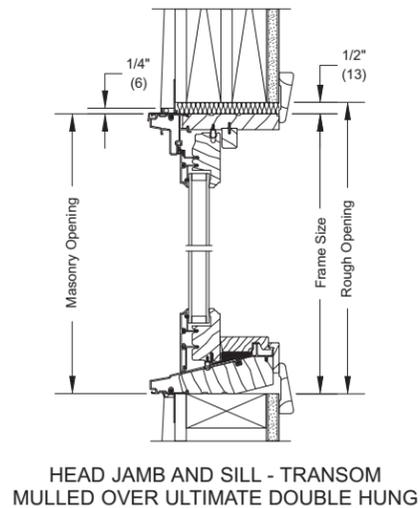
<b>MO (mm)</b>	1-9 3/4 (552)	2-1 3/4 (654)	2-5 3/4 (756)	2-7 3/4 (806)	2-9 3/4 (857)
<b>RO (mm)</b>	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)
<b>FS (mm)</b>	1-9 1/4 (540)	2-1 1/4 (641)	2-5 1/4 (743)	2-7 1/4 (794)	2-9 1/4 (845)
<b>DLO (mm)</b>	14 47/64 (347)	18 47/64 (476)	22 47/64 (577)	24 47/64 (628)	26 47/64 (679)

1-7 15/16 (506)					
1-8 3/16 (513)					
1-7 11/16 (500)					
12 3/4 (324)					
2-3 15/16 (710)					
2-4 3/16 (716)					
2-3 11/16 (703)					
20 3/4 (527)					

<b>MO (mm)</b>	2-11 3/4 (908)	3-1 3/4 (959)	3-5 3/4 (1060)	3-9 3/4 (1162)	4-11 3/4 (1518)
<b>RO (mm)</b>	3-0 1/4 (921)	3-2 1/4 (972)	3-6 1/4 (1073)	3-10 1/4 (1175)	5-0 1/4 (1530)
<b>FS (mm)</b>	2-11 1/4 (895)	3-1 1/4 (946)	3-5 1/4 (1048)	3-9 1/4 (1149)	4-11 1/4 (1505)
<b>DLO (mm)</b>	28 47/64 (730)	30 47/64 (781)	34 47/64 (882)	38 47/64 (984)	52 47/64 (1339)

1-7 15/16 (506)					
1-8 3/16 (513)					
1-7 11/16 (500)					
12 3/4 (324)					
2-3 15/16 (710)					
2-4 3/16 (716)					
2-3 11/16 (703)					
20 3/4 (527)					

### Construction Details



Details and Elevations not to scale.  
 E These windows meet national Egress codes for fire evacuation. Local codes may differ. Please consult your local Marvin representative for masonry openings that include casings and subsills.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

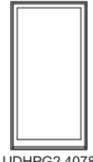
**ULTIMATE DOUBLE HUNG TRANSOM G2: UDHTRG2**  
**ULTIMATE DOUBLE HUNG PICTURE G2: UDHPG2**

## Double Hung Picture G2

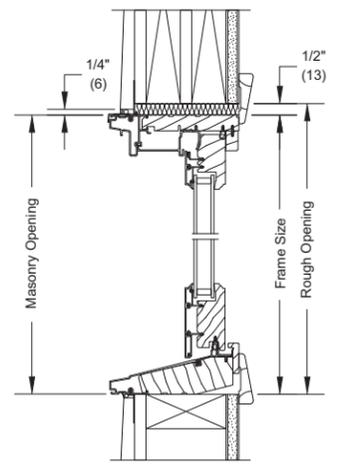
<b>MO (mm)</b>	3-5 3/4 (1060)	4-1 3/4 (1264)	4-5 3/4 (1365)	5-1 3/4 (1568)	5-9 3/4 (1772)
<b>RO (mm)</b>	3-6 1/4 (1073)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-2 1/4 (1581)	5-10 1/4 (1784)
<b>FS (mm)</b>	3-5 1/4 (1048)	4-1 1/4 (1251)	4-5 1/4 (1353)	5-1 1/4 (1556)	5-9 1/4 (1759)
<b>DLO (mm)</b>	34 47/64 (882)	42 47/64 (1085)	46 47/64 (1187)	54 47/64 (1390)	62 47/64 (1594)

3-3 3/4 (1010)					
3-4 (1016)					
3-3 1/2 (1003)					
31 27/64 (798)					
3-7 3/4 (1111)					
3-8 (1118)					
3-7 1/2 (1105)					
35 27/64 (900)					
4-0 5/8 (1235)					
4-0 (1219)					
4-0 1/2 (1207)					
39 27/64 (1001)					
4-4 5/8 (1337)					
4-4 (1321)					
4-3 1/2 (1308)					
43 27/64 (1103)					
4-8 5/8 (1488)					
4-8 (1472)					
4-7 1/2 (1460)					
47 27/64 (1204)					
5-0 5/8 (1540)					
5-0 (1524)					
5-0 1/2 (1511)					
51 27/64 (1306)					
5-4 5/8 (1641)					
5-4 (1626)					
5-3 1/2 (1613)					
55 27/64 (1408)					
5-8 5/8 (1743)					
5-8 (1727)					
5-7 1/2 (1715)					
59 27/64 (1509)					
6-0 5/8 (1845)					
6-0 (1829)					
6-0 1/2 (1816)					
63 27/64 (1611)					
6-4 5/8 (1946)					
6-4 (1930)					
6-3 1/2 (1918)					
67 27/64 (1712)					

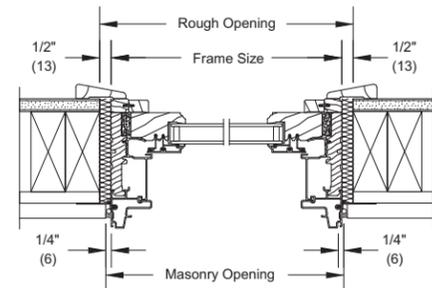
# Double Hung Picture G2

MO (mm)	3-5 3/4 (1060)	4-1 3/4 (1264)	4-5 3/4 (1365)	5-1 3/4 (1568)	5-9 3/4 (1772)
RO (mm)	3-6 1/4 (1073)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-2 1/4 (1581)	5-10 1/4 (1784)
FS (mm)	3-5 1/4 (1048)	4-1 1/4 (1251)	4-5 1/4 (1353)	5-1 1/4 (1556)	5-9 1/4 (1759)
DLO (mm)	34 47/64 (882)	42 47/64 (1085)	46 47/64 (1187)	54 47/64 (1390)	62 47/64 (1594)
6-8 5/8 (2048) 6-8 (2032) 6-7 1/2 (2019) 71 27/64 (1814)	 UDHPG2 4078	 UDHPG2 4878	 UDHPG2 5278	 UDHPG2 6078	 UDHPG2 6878
7-4 5/8 (2251) 7-4 (2235) 7-3 1/2 (2223) 79 27/64 (2017)	 UDHPG2 4086	 UDHPG2 4886	 UDHPG2 5286	 UDHPG2 6086	 UDHPG2 6886
7-8 5/8 (2353) 7-8 (2337) 7-7 1/2 (2324) 83 27/64 (2119)	 UDHPG2 4090	 UDHPG2 4890	 UDHPG2 5290	 UDHPG2 6090	 UDHPG2 6890

## Construction Details



HEAD JAMB AND SILL - PICTURE

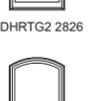
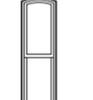
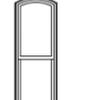
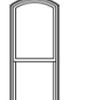
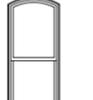
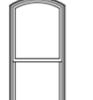
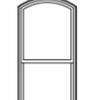


JAMB - PICTURE

Details and Elevations not to scale.  
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 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Double Hung Round Top G2

## RT6 Eyebrow Above Springline Standard Sizes Operators

RO (mm)	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)	3-0 1/4 (921)
RO Rad. (mm)	2-0 1/2 (622)	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)
2-10 31/64 (876) 2-7 13/16 (806)	 UDHRTG2 1612	 UDHRTG2 2012	 UDHRTG2 2412	 UDHRTG2 2612	 UDHRTG2 2812	 UDHRTG2 3012
2-11 19/32 (904) 2-7 25/32 (807)	 UDHRTG2 1614	 UDHRTG2 2014	 UDHRTG2 2414	 UDHRTG2 2614	 UDHRTG2 2814	 UDHRTG2 3014
3-0 31/32 (889) 2-7 3/4 (806)	 UDHRTG2 1616	 UDHRTG2 2016	 UDHRTG2 2416	 UDHRTG2 2616	 UDHRTG2 2816	 UDHRTG2 3016
3-1 19/32 (907) 3-3 25/32 (909)	 UDHRTG2 1618	 UDHRTG2 2018	 UDHRTG2 2418	 UDHRTG2 2618	 UDHRTG2 2818	 UDHRTG2 3018
3-10 31/64 (1181) 3-7 13/16 (1011)	 UDHRTG2 1620	 UDHRTG2 2020	 UDHRTG2 2420	 UDHRTG2 2620	 UDHRTG2 2820	 UDHRTG2 3020
3-11 19/32 (907) 3-7 25/32 (909)	 UDHRTG2 1622	 UDHRTG2 2022	 UDHRTG2 2422	 UDHRTG2 2622	 UDHRTG2 2822	 UDHRTG2 3022
3-11 13/16 (1214) 4-3 13/16 (1316)	 UDHRTG2 1624	 UDHRTG2 2024	 UDHRTG2 2424	 UDHRTG2 2624	 UDHRTG2 2824	 UDHRTG2 3024
4-2 31/64 (1282) 3-11 13/16 (1214)	 UDHRTG2 1626	 UDHRTG2 2026	 UDHRTG2 2426	 UDHRTG2 2626	 UDHRTG2 2826	 UDHRTG2 3026
4-10 31/64 (1485) 4-7 13/16 (1418)	 UDHRTG2 1628	 UDHRTG2 2028	 UDHRTG2 2428	 UDHRTG2 2628	 UDHRTG2 2828	 UDHRTG2 3028 E
5-2 31/64 (1587) 4-11 13/16 (1519)	 UDHRTG2 1630	 UDHRTG2 2030	 UDHRTG2 2430	 UDHRTG2 2630	 UDHRTG2 2830 E	 UDHRTG2 3030 E
5-6 31/64 (1689) 5-3 13/16 (1621)	 UDHRTG2 1632	 UDHRTG2 2032	 UDHRTG2 2432	 UDHRTG2 2632	 UDHRTG2 2832	 UDHRTG2 3032 E
5-7 19/32 (1717) 5-3 25/32 (1620)	 UDHRTG2 1634	 UDHRTG2 2034	 UDHRTG2 2434	 UDHRTG2 2634	 UDHRTG2 2834	 UDHRTG2 3034 E
5-8 31/32 (1752) 5-3 3/4 (1619)	 UDHRTG2 1636	 UDHRTG2 2036	 UDHRTG2 2436	 UDHRTG2 2636	 UDHRTG2 2836	 UDHRTG2 3036 E
5-9 31/32 (1853) 5-7 3/4 (1721)	 UDHRTG2 1638	 UDHRTG2 2038	 UDHRTG2 2438	 UDHRTG2 2638	 UDHRTG2 2838	 UDHRTG2 3038 E
6-0 25/64 (1639) 5-3 25/32 (1620)	 UDHRTG2 1640	 UDHRTG2 2040	 UDHRTG2 2440	 UDHRTG2 2640	 UDHRTG2 2840	 UDHRTG2 3040 E
6-1 1/32 (1855) 5-7 49/64 (1721)	 UDHRTG2 1642	 UDHRTG2 2042	 UDHRTG2 2442	 UDHRTG2 2642	 UDHRTG2 2842	 UDHRTG2 3042 E
6-1 23/32 (1873) 5-3 3/4 (1619)	 UDHRTG2 1644	 UDHRTG2 2044	 UDHRTG2 2444	 UDHRTG2 2644	 UDHRTG2 2844	 UDHRTG2 3044 E
6-1 23/32 (1873) 5-3 3/4 (1619)	 UDHRTG2 1646	 UDHRTG2 2046	 UDHRTG2 2446	 UDHRTG2 2646	 UDHRTG2 2846	 UDHRTG2 3046 E
6-1 23/32 (1873) 5-3 3/4 (1619)	 UDHRTG2 1648	 UDHRTG2 2048	 UDHRTG2 2448	 UDHRTG2 2648	 UDHRTG2 2848	 UDHRTG2 3048 E
6-1 23/32 (1873) 5-3 3/4 (1619)	 UDHRTG2 1650	 UDHRTG2 2050	 UDHRTG2 2450	 UDHRTG2 2650	 UDHRTG2 2850	 UDHRTG2 3050 E
6-1 23/32 (1873) 5-3 3/4 (1619)	 UDHRTG2 1652	 UDHRTG2 2052	 UDHRTG2 2452	 UDHRTG2 2652	 UDHRTG2 2852	 UDHRTG2 3052 E
6-1 23/32 (1873) 5-3 3/4 (1619)	 UDHRTG2 1654	 UDHRTG2 2054	 UDHRTG2 2454	 UDHRTG2 2654	 UDHRTG2 2854	 UDHRTG2 3054 E
6-1 23/32 (1873) 5-3 3/4 (1619)	 UDHRTG2 1656	 UDHRTG2 2056	 UDHRTG2 2456	 UDHRTG2 2656	 UDHRTG2 2856	 UDHRTG2 3056 E
6-1 23/32 (1873) 5-3 3/4 (1619)	 UDHRTG2 1658	 UDHRTG2 2058	 UDHRTG2 2458	 UDHRTG2 2658	 UDHRTG2 2858	 UDHRTG2 3058 E
6-1 23/32 (1873) 5-3 3/4 (1619)	 UDHRTG2 1660	 UDHRTG2 2060	 UDHRTG2 2460	 UDHRTG2 2660	 UDHRTG2 2860	 UDHRTG2 3060 E
6-1 23/32 (1873) 5-3 3/4 (1619)	 UDHRTG2 1662	 UDHRTG2 2062	 UDHRTG2 2462	 UDHRTG2 2662	 UDHRTG2 2862	 UDHRTG2 3062 E
6-1 23/32 (1873) 5-3 3/4 (1619)	 UDHRTG2 1664	 UDHRTG2 2064	 UDHRTG2 2464	 UDHRTG2 2664		

# Double Hung Round Top G2

## RT6 Eyebrow Above Springline Standard Sizes Operators

RO (mm)	3-2 1/4 (972)	3-6 1/4 (1073)	3-10 1/4 (1175)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-0 1/4 (1530)
RO Rad. (mm)	3-4 1/2 (1029)	3-4 1/2 (1029)	3-4 1/2 (1029)	3-4 1/2 (1029)	4-6 1/2 (1384)	4-6 1/2 (1384)
RO (mm)	3-0 19/32 (930)	3-1 47/64 (968)	3-2 1/64 (991)	3-3 1/64 (1028)	3-4 31/64 (1038)	3-5 5/64 (1038)
RO Spln. (mm)	3-0 19/32 (930)	3-1 47/64 (968)	3-2 1/64 (991)	3-3 1/64 (1028)	3-4 31/64 (1038)	3-5 5/64 (1038)
RO (mm)	3-4 19/32 (1031)	3-5 47/64 (1060)	3-7 1/64 (1083)	3-8 31/64 (1130)	3-9 1/64 (1139)	3-10 1/64 (1139)
RO Spln. (mm)	3-4 19/32 (1031)	3-5 47/64 (1060)	3-7 1/64 (1083)	3-8 31/64 (1130)	3-9 1/64 (1139)	3-10 1/64 (1139)
RO (mm)	3-8 19/32 (1133)	3-9 47/64 (1161)	3-11 1/64 (1194)	4-0 31/64 (1231)	4-1 1/64 (1241)	4-2 1/64 (1241)
RO Spln. (mm)	3-8 19/32 (1133)	3-9 47/64 (1161)	3-11 1/64 (1194)	4-0 31/64 (1231)	4-1 1/64 (1241)	4-2 1/64 (1241)
RO (mm)	4-0 19/32 (1234)	4-1 47/64 (1263)	4-3 1/64 (1286)	4-4 31/64 (1333)	4-5 1/64 (1343)	4-6 1/64 (1343)
RO Spln. (mm)	4-0 19/32 (1234)	4-1 47/64 (1263)	4-3 1/64 (1286)	4-4 31/64 (1333)	4-5 1/64 (1343)	4-6 1/64 (1343)
RO (mm)	4-4 19/32 (1336)	4-5 47/64 (1365)	4-7 1/64 (1397)	4-8 31/64 (1435)	4-9 1/64 (1444)	5-0 1/64 (1444)
RO Spln. (mm)	4-4 19/32 (1336)	4-5 47/64 (1365)	4-7 1/64 (1397)	4-8 31/64 (1435)	4-9 1/64 (1444)	5-0 1/64 (1444)
RO (mm)	4-8 19/32 (1438)	4-9 47/64 (1466)	4-11 1/64 (1499)	5-0 31/64 (1536)	5-1 1/64 (1546)	5-2 1/64 (1546)
RO Spln. (mm)	4-8 19/32 (1438)	4-9 47/64 (1466)	4-11 1/64 (1499)	5-0 31/64 (1536)	5-1 1/64 (1546)	5-2 1/64 (1546)
RO (mm)	5-0 19/32 (1539)	5-1 47/64 (1568)	5-3 1/64 (1601)	5-4 31/64 (1638)	5-5 1/64 (1647)	5-6 1/64 (1647)
RO Spln. (mm)	5-0 19/32 (1539)	5-1 47/64 (1568)	5-3 1/64 (1601)	5-4 31/64 (1638)	5-5 1/64 (1647)	5-6 1/64 (1647)
RO (mm)	5-4 19/32 (1641)	5-5 47/64 (1669)	5-7 1/64 (1702)	5-8 31/64 (1739)	5-9 1/64 (1749)	6-0 1/64 (1749)
RO Spln. (mm)	5-4 19/32 (1641)	5-5 47/64 (1669)	5-7 1/64 (1702)	5-8 31/64 (1739)	5-9 1/64 (1749)	6-0 1/64 (1749)
RO (mm)	5-8 19/32 (1742)	5-9 47/64 (1771)	6-1 1/64 (1804)	6-2 31/64 (1841)	6-3 1/64 (1850)	6-4 1/64 (1850)
RO Spln. (mm)	5-8 19/32 (1742)	5-9 47/64 (1771)	6-1 1/64 (1804)	6-2 31/64 (1841)	6-3 1/64 (1850)	6-4 1/64 (1850)
RO (mm)	6-0 19/32 (1844)	6-1 47/64 (1873)	6-3 1/64 (1905)	6-4 31/64 (1943)	6-5 1/64 (1952)	6-6 1/64 (1952)
RO Spln. (mm)	6-0 19/32 (1844)	6-1 47/64 (1873)	6-3 1/64 (1905)	6-4 31/64 (1943)	6-5 1/64 (1952)	6-6 1/64 (1952)

# Double Hung Round Top G2

## RT6 Eyebrow Above Springline Standard Sizes Operators

RO (mm)	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)	3-0 1/4 (921)
RO Rad. (mm)	2-0 1/2 (622)	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)
RO (mm)	6-2 31/64 (1892)	6-3 19/32 (1920)	6-4 31/32 (1955)	6-4 25/64 (1940)	6-5 1/32 (1957)	6-5 23/32 (1974)
RO Spln. (mm)	6-2 31/64 (1892)	6-3 19/32 (1920)	6-4 31/32 (1955)	6-4 25/64 (1940)	6-5 1/32 (1957)	6-5 23/32 (1974)
RO (mm)	6-6 31/64 (1993)	6-7 19/32 (2022)	6-8 31/32 (2057)	6-8 25/64 (2042)	6-9 1/32 (2058)	6-9 23/32 (2076)
RO Spln. (mm)	6-6 31/64 (1993)	6-7 19/32 (2022)	6-8 31/32 (2057)	6-8 25/64 (2042)	6-9 1/32 (2058)	6-9 23/32 (2076)
RO (mm)	6-10 31/64 (2095)	6-11 19/32 (2123)	7-0 31/32 (2158)	7-0 25/64 (2144)	7-1 1/32 (2160)	7-1 23/32 (2177)
RO Spln. (mm)	6-10 31/64 (2095)	6-11 19/32 (2123)	7-0 31/32 (2158)	7-0 25/64 (2144)	7-1 1/32 (2160)	7-1 23/32 (2177)
RO (mm)	7-6 31/64 (2298)	7-7 19/32 (2326)	7-8 31/32 (2361)	7-8 25/64 (2347)	7-9 1/32 (2363)	7-9 23/32 (2381)
RO Spln. (mm)	7-6 31/64 (2298)	7-7 19/32 (2326)	7-8 31/32 (2361)	7-8 25/64 (2347)	7-9 1/32 (2363)	7-9 23/32 (2381)
RO (mm)	7-10 31/64 (2400)	7-11 19/32 (2428)	8-0 31/32 (2463)	8-0 25/64 (2449)	8-1 1/32 (2465)	8-1 23/32 (2482)
RO Spln. (mm)	7-10 31/64 (2400)	7-11 19/32 (2428)	8-0 31/32 (2463)	8-0 25/64 (2449)	8-1 1/32 (2465)	8-1 23/32 (2482)
RO (mm)	8-2 31/64 (2503)	8-3 19/32 (2531)	8-4 31/32 (2566)	8-4 25/64 (2552)	8-5 1/32 (2568)	8-5 23/32 (2585)
RO Spln. (mm)	8-2 31/64 (2503)	8-3 19/32 (2531)	8-4 31/32 (2566)	8-4 25/64 (2552)	8-5 1/32 (2568)	8-5 23/32 (2585)
RO (mm)	8-6 31/64 (2605)	8-7 19/32 (2633)	8-8 31/32 (2668)	8-8 25/64 (2654)	8-9 1/32 (2666)	8-9 23/32 (2683)
RO Spln. (mm)	8-6 31/64 (2605)	8-7 19/32 (2633)	8-8 31/32 (2668)	8-8 25/64 (2654)	8-9 1/32 (2666)	8-9 23/32 (2683)
RO (mm)	9-2 31/64 (2806)	9-3 19/32 (2834)	9-4 31/32 (2869)	9-4 25/64 (2855)	9-5 1/32 (2867)	9-5 23/32 (2884)
RO Spln. (mm)	9-2 31/64 (2806)	9-3 19/32 (2834)	9-4 31/32 (2869)	9-4 25/64 (2855)	9-5 1/32 (2867)	9-5 23/32 (2884)

# Double Hung Round Top G2

## RT6 Eyebrow Above Springline Standard Sizes Operators

RO (mm)	3-2 1/4 (972)	3-6 1/4 (1073)	3-10 1/4 (1175)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-0 1/4 (1530)
RO Rad. (mm)	3-4 1/2 (1029)	3-4 1/2 (1029)	3-4 1/2 (1029)	3-4 1/2 (1029)	4-6 1/2 (1384)	4-6 1/2 (1384)
RO (mm)	6-4 19/32 (1946)	6-5 47/64 (1974)	6-7 1/64 (2007)	6-8 31/64 (2044)	6-7 1/64 (2007)	6-8 55/64 (2054)
RO Spln. (mm)	5-11 51/64 (1824)	5-11 25/32 (1823)	5-11 49/64 (1823)	5-11 3/4 (1822)	5-11 51/64 (1823)	5-11 49/64 (1823)
RO (mm)	6-8 19/32 (2047)	6-9 47/64 (2076)	6-11 1/64 (2109)	7-0 31/64 (2146)	6-11 1/64 (2109)	7-0 55/64 (2155)
RO Spln. (mm)	6-3 51/64 (1925)	6-3 25/32 (1925)	6-3 49/64 (1924)	6-3 3/4 (1924)	6-3 51/64 (1925)	6-3 49/64 (1925)
RO (mm)	7-0 19/32 (2149)	7-1 47/64 (2177)	7-3 1/64 (2210)	7-4 31/64 (2247)	7-3 1/64 (2210)	7-4 55/64 (2257)
RO Spln. (mm)	6-7 51/64 (2027)	6-7 25/32 (2026)	6-7 49/64 (2026)	6-7 3/4 (2025)	6-7 51/64 (2027)	6-7 49/64 (2026)
RO (mm)	7-8 19/32 (2352)	7-9 47/64 (2381)	7-11 1/64 (2413)	8-0 31/64 (2451)	7-11 1/64 (2414)	8-0 55/64 (2460)
RO Spln. (mm)	7-3 51/64 (2230)	7-3 25/32 (2230)	7-3 49/64 (2229)	7-3 3/4 (2228)	7-3 51/64 (2230)	7-3 49/64 (2229)
RO (mm)	8-0 19/32 (2454)	8-1 47/64 (2482)	8-3 1/64 (2515)	8-4 31/64 (2552)	8-3 1/64 (2515)	8-4 55/64 (2562)
RO Spln. (mm)	7-7 51/64 (2332)	7-7 25/32 (2331)	7-7 49/64 (2331)	7-7 3/4 (2330)	7-7 51/64 (2331)	7-7 49/64 (2331)
RO (mm)	9-4 19/32 (2860)	9-5 47/64 (2889)	9-7 1/64 (2921)	9-8 31/64 (2959)	9-7 1/64 (2922)	9-8 55/64 (2968)
RO Spln. (mm)	8-11 51/64 (2738)	8-11 25/32 (2738)	8-11 49/64 (2737)	8-11 3/4 (2737)	8-11 51/64 (2738)	8-11 49/64 (2737)
RO (mm)	6-0 5/8 (1845)	6-1 5/8 (1874)	6-2 5/8 (1903)	6-3 5/8 (1932)	6-2 5/8 (1874)	6-3 5/8 (1903)
RO Spln. (mm)	4-11 25/32 (1518)	4-11 3/4 (1518)	4-11 51/64 (1517)	4-11 25/32 (1517)	4-11 3/4 (1518)	4-11 51/64 (1517)

# Double Hung Round Top G2

## RT2 Half Circle Above Springline Standard Sizes Operators

RO (mm)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)	3-0 1/4 (921)	3-2 1/4 (972)
RO Rad. (mm)	1-1 1/8 (333)	1-3 1/8 (384)	1-4 1/8 (410)	1-5 1/8 (435)	1-6 1/8 (460)	1-7 1/8 (486)
RO (mm)	3-8 5/8 (1133)	4-0 5/8 (1235)	4-3 5/8 (1311)	4-5 5/8 (1387)	4-1 5/8 (1260)	4-2 5/8 (1286)
RO Spln. (mm)	2-7 25/32 (807)	2-11 25/32 (909)	2-11 25/32 (909)	2-11 49/64 (908)	2-7 3/4 (807)	2-7 51/64 (808)
RO (mm)	4-4 5/8 (1387)	4-6 5/8 (1489)	4-7 5/8 (1544)	4-8 5/8 (1600)	4-6 5/8 (1489)	4-7 5/8 (1544)
RO Spln. (mm)	3-3 3/4 (1010)	3-3 3/4 (1011)	3-7 3/4 (1112)	3-7 3/4 (1112)	3-3 3/4 (1010)	3-3 51/64 (1011)
RO (mm)	5-0 5/8 (1540)	5-2 5/8 (1642)	5-3 5/8 (1697)	5-4 5/8 (1753)	5-2 5/8 (1642)	5-3 5/8 (1697)
RO Spln. (mm)	3-7 49/64 (1112)	3-11 3/4 (1213)	3-11 25/32 (1214)	3-11 3/4 (1213)	3-11 3/4 (1213)	3-11 51/64 (1214)
RO (mm)	5-8 5/8 (1743)	5-6 5/8 (1692)	5-7 5/8 (1748)	5-9 5/8 (1850)	5-6 5/8 (1692)	5-7 5/8 (1748)
RO Spln. (mm)	4-7 25/32 (1417)	4-3 3/4 (1314)	4-3 25/32 (1315)	4-3 49/64 (1315)	4-3 3/4 (1315)	4-3 51/64 (1316)
RO (mm)	6-2 5/8 (1895)	6-10 5/8 (1997)	6-11 5/8 (2052)	6-12 5/8 (2107)	6-10 5/8 (1997)	6-11 5/8 (2052)
RO Spln. (mm)	4-11 3/4 (1518)	4-7 3/4 (1416)	4-7 25/32 (1417)	4-7 49/64 (1416)	4-7 3/4 (1416)	4-7 51/64 (1417)
RO (mm)	6-3 5/8 (1921)	6-5 5/8 (1973)	6-7 5/8 (2025)	6-9 5/8 (2127)	6-5 5/8 (1973)	6-6 5/8 (2025)
RO Spln. (mm)	4-11 25/32 (1518)	4-11 51/64 (1517)	4-11 25/32 (1517)	4-11 51/64 (1517)	4-11 25/32 (1518)	4-11 51/64 (1519)
RO (mm)	6-4 5/8 (1946)	6-6 5/8 (2048)	6-7 5/8 (2103)	6-9 5/8 (2205)	6-6 5/8 (2048)	6-7 5/8 (2103)
RO Spln. (mm)	4-11 49/64 (1518)	4-11 3/4 (1416)	4-7 49/64 (1416)	4-7 51/64 (1416)	4-11 3/4 (1416)	4-11 51/64 (1519)
RO (mm)	6-5 5/8 (1972)	6-7 5/8 (2074)	6-8 5/8 (2129)	6-10 5/8 (2231)	6-7 5/8 (2074)	6-8 5/8 (2129)
RO Spln. (mm)	4-11 51/64 (1518)	4-11 3/4 (1416)	4-7 51/64 (1416)	4-7 51/64 (1416)	4-11 51/64 (1518)	4-11 3/4 (1416)

# Double Hung Round Top G2

RT2 Half Circle Above Springline Standard Sizes Operators

RO (mm)	3-6 1/4 (1073)	3-10 1/4 (1175)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-0 1/4 (1530)
RO Rad. (mm)	1-9 1/8 (537)	1-11 1/8 (587)	2-1 1/8 (638)	2-3 1/8 (689)	2-6 1/8 (765)
RO (mm)	4-4 5/8 (1337)	4-6 5/8 (1387)	4-8 5/8 (1438)	4-10 5/8 (1489)	5-1 5/8 (1565)
RO Spln. (mm)	2-7 25/32 (807)	2-7 49/64 (807)	2-7 3/4 (806)	2-7 51/64 (807)	2-7 49/64 (807)
	UDHRTG2 3612	UDHRTG2 4012	UDHRTG2 4412	UDHRTG2 4812	UDHRTG2 5412
	UDHRTG2 3614	UDHRTG2 4014	UDHRTG2 4414	UDHRTG2 4814	UDHRTG2 5414
	UDHRTG2 3616	UDHRTG2 4016	UDHRTG2 4416	UDHRTG2 4816	UDHRTG2 5416
	UDHRTG2 3618	UDHRTG2 4018	UDHRTG2 4418	UDHRTG2 4818	UDHRTG2 5418
	UDHRTG2 3620	UDHRTG2 4020	UDHRTG2 4420	UDHRTG2 4820	UDHRTG2 5420
	UDHRTG2 3622	UDHRTG2 4022	UDHRTG2 4422	UDHRTG2 4822	UDHRTG2 5422
	UDHRTG2 3624	UDHRTG2 4024	UDHRTG2 4424	UDHRTG2 4824	UDHRTG2 5424
	UDHRTG2 3626 E	UDHRTG2 4026 E	UDHRTG2 4426 E	UDHRTG2 4826 E	UDHRTG2 5426 E

# Double Hung Round Top G2

RT2 Half Circle Above Springline Standard Sizes Operators

RO (mm)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)	3-0 1/4 (921)	3-2 1/4 (972)
RO Rad. (mm)	1-1 1/8 (333)	1-3 1/8 (384)	1-4 1/8 (410)	1-5 1/8 (435)	1-6 1/8 (460)	1-7 1/8 (486)
RO (mm)	6-4 5/8 (1946)	6-6 5/8 (1997)	6-8 5/8 (2048)	6-10 5/8 (2099)	6-8 5/8 (2048)	6-10 5/8 (2099)
RO Spln. (mm)	5-3 25/32 (1620)	5-3 3/4 (1619)	5-3 25/32 (1620)	5-3 25/32 (1620)	5-3 49/64 (1620)	5-3 3/4 (1619)
	UDHRTG2 2028	UDHRTG2 2428	UDHRTG2 2628	UDHRTG2 2828	UDHRTG2 3028 E	UDHRTG2 3228 E
	UDHRTG2 2030	UDHRTG2 2430	UDHRTG2 2630	UDHRTG2 2830 E	UDHRTG2 3030 E	UDHRTG2 3230 E
	UDHRTG2 2032	UDHRTG2 2432	UDHRTG2 2632 E	UDHRTG2 2832 E	UDHRTG2 3032 E	UDHRTG2 3232 E
	UDHRTG2 2034	UDHRTG2 2434 E	UDHRTG2 2634 E	UDHRTG2 2834 E	UDHRTG2 3034 E	UDHRTG2 3234 E
	UDHRTG2 2036	UDHRTG2 2436 E	UDHRTG2 2636 E	UDHRTG2 2836 E	UDHRTG2 3036 E	UDHRTG2 3236 E
	UDHRTG2 2040 E	UDHRTG2 2440 E	UDHRTG2 2640 E	UDHRTG2 2840 E	UDHRTG2 3040 E	UDHRTG2 3240 E
	UDHRTG2 2442 E	UDHRTG2 2442 E	UDHRTG2 2642 E	UDHRTG2 2842 E	UDHRTG2 3042 E	UDHRTG2 3242 E

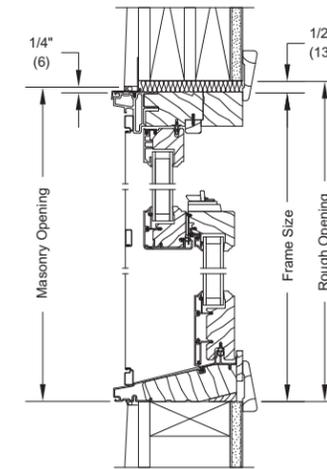
# Double Hung Round Top G2

## RT2 Half Circle Above Springline Standard Sizes Operators

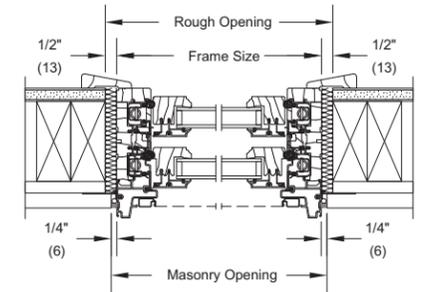
RO (mm)	3-6 1/4 (1073)	3-10 1/4 (1175)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-0 1/4 (1530)
RO Rad. (mm)	1-9 1/8 (537)	1-11 1/8 (587)	2-1 1/8 (638)	2-3 1/8 (689)	2-6 1/8 (765)
RO (mm)	7-0 5/8 (2149)	7-2 5/8 (2200)	7-4 5/8 (2251)	7-6 5/8 (2302)	7-9 5/8 (2378)
RO Splr. (mm)	5-3 25/32 (1620)	5-3 49/64 (1620)	5-3 3/4 (1619)	5-3 51/64 (1620)	5-3 49/64 (1620)
UDHRTG2 3628 E		UDHRTG2 4028 E	UDHRTG2 4428 E	UDHRTG2 4828 E	UDHRTG2 5428 E
RO (mm)	7-4 5/8 (2251)	7-6 5/8 (2302)	7-8 5/8 (2353)	7-10 5/8 (2403)	8-1 5/8 (2480)
RO Splr. (mm)	5-7 25/32 (1722)	5-7 49/64 (1721)	5-7 3/4 (1721)	5-7 51/64 (1722)	5-7 49/64 (1721)
UDHRTG2 3630 E		UDHRTG2 4030 E	UDHRTG2 4430 E	UDHRTG2 4830 E	UDHRTG2 5430 E
RO (mm)	7-8 5/8 (2353)	7-10 5/8 (2403)	8-0 5/8 (2454)	8-2 5/8 (2505)	8-5 5/8 (2581)
RO Splr. (mm)	5-11 25/32 (1823)	5-11 49/64 (1823)	5-11 3/4 (1822)	5-11 51/64 (1823)	5-11 49/64 (1823)
UDHRTG2 3632 E		UDHRTG2 4032 E	UDHRTG2 4432 E	UDHRTG2 4832 E	UDHRTG2 5432 E
RO (mm)	8-0 5/8 (2454)	8-2 5/8 (2505)	8-4 5/8 (2556)	8-6 5/8 (2607)	8-9 5/8 (2683)
RO Splr. (mm)	6-3 25/32 (1925)	6-3 49/64 (1924)	6-3 3/4 (1924)	6-3 51/64 (1925)	6-3 49/64 (1925)
UDHRTG2 3634 E		UDHRTG2 4034 E	UDHRTG2 4434 E	UDHRTG2 4834 E	UDHRTG2 5434 E
RO (mm)	8-4 5/8 (2556)	8-6 5/8 (2607)	8-8 5/8 (2657)	8-10 5/8 (2708)	9-1 5/8 (2784)
RO Splr. (mm)	6-7 25/32 (2026)	6-7 49/64 (2026)	6-7 3/4 (2025)	6-7 51/64 (2027)	6-7 49/64 (2026)
UDHRTG2 3636 E		UDHRTG2 4036 E	UDHRTG2 4436 E	UDHRTG2 4836 E	UDHRTG2 5436 E
RO (mm)	9-0 5/8 (2759)	9-2 5/8 (2810)	9-4 5/8 (2861)	9-6 5/8 (2911)	9-9 5/8 (2988)
RO Splr. (mm)	7-3 25/32 (2230)	7-3 49/64 (2229)	7-3 3/4 (2229)	7-3 51/64 (2230)	7-3 49/64 (2229)
UDHRTG2 3640 E		UDHRTG2 4040 E	UDHRTG2 4440 E	UDHRTG2 4840 E	UDHRTG2 5440 E
RO (mm)	9-4 5/8 (2861)	9-6 5/8 (2911)	9-8 5/8 (2962)	9-10 5/8 (3013)	
RO Splr. (mm)	7-7 25/32 (2331)	7-7 49/64 (2331)	7-7 3/4 (2330)	7-7 51/64 (2331)	
UDHRTG2 3642 E		UDHRTG2 4042 E	UDHRTG2 4442 E	UDHRTG2 4842 E	

# Double Hung Round Top G2

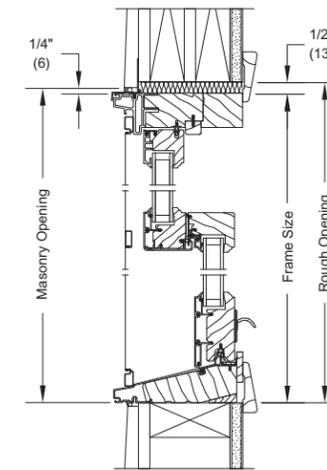
## Construction Details - Operator



HEAD JAMB AND SILL - OPERATOR



JAMB - OPERATOR



HEAD JAMB AND SILL - OPERATOR WITH LIFT LOCK

# Double Hung Transom Round Top G2

## RT6 Transom Eyebrow Above Springline

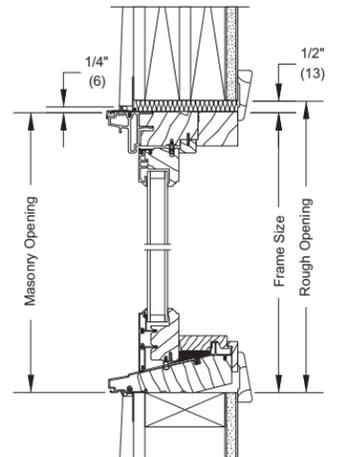
RO (mm) RO Rad. (mm)	1-10 1/4 (565) 2-0 1/2 (622)	2-2 1/4 (667) 2-0 1/2 (622)	2-6 1/4 (768) 2-0 1/2 (622)	2-8 1/4 (819) 2-6 1/2 (775)	2-10 1/4 (870) 2-6 1/2 (775)
	1-10 43/64 (576) 1-8 (608)	1-11 25/32 (604) 1-7 31/32 (507)	2-1 5/32 (639) 1-7 15/16 (506)	2-0 37/64 (624) 1-7 31/32 (507)	2-1 7/32 (640) 1-7 61/64 (507)
	UDHTRRTG2 1612	UDHTRRTG2 2012	UDHTRRTG2 2412	UDHTRRTG2 2612	UDHTRRTG2 2812
	2-6 43/64 (779) 2-4 (711)	2-7 25/32 (807) 2-3 31/32 (710)	2-9 5/32 (842) 2-3 15/16 (709)	2-8 37/64 (827) 2-3 31/32 (710)	2-9 7/32 (844) 2-3 61/64 (710)
	UDHTRRTG2 1620	UDHTRRTG2 2020	UDHTRRTG2 2420	UDHTRRTG2 2620	UDHTRRTG2 2820
RO (mm) RO Spln. (mm)	2-6 43/64 (779) 2-4 (711)	2-7 25/32 (807) 2-3 31/32 (710)	2-9 5/32 (842) 2-3 15/16 (709)	2-8 37/64 (827) 2-3 31/32 (710)	2-9 7/32 (844) 2-3 61/64 (710)
	UDHTRRTG2 1612	UDHTRRTG2 2012	UDHTRRTG2 2412	UDHTRRTG2 2612	UDHTRRTG2 2812
	2-6 43/64 (779) 2-4 (711)	2-7 25/32 (807) 2-3 31/32 (710)	2-9 5/32 (842) 2-3 15/16 (709)	2-8 37/64 (827) 2-3 31/32 (710)	2-9 7/32 (844) 2-3 61/64 (710)
	UDHTRRTG2 1620	UDHTRRTG2 2020	UDHTRRTG2 2420	UDHTRRTG2 2620	UDHTRRTG2 2820
RO (mm) RO Spln. (mm)	2-6 43/64 (779) 2-4 (711)	2-7 25/32 (807) 2-3 31/32 (710)	2-9 5/32 (842) 2-3 15/16 (709)	2-8 37/64 (827) 2-3 31/32 (710)	2-9 7/32 (844) 2-3 61/64 (710)
	UDHTRRTG2 1612	UDHTRRTG2 2012	UDHTRRTG2 2412	UDHTRRTG2 2612	UDHTRRTG2 2812
	2-6 43/64 (779) 2-4 (711)	2-7 25/32 (807) 2-3 31/32 (710)	2-9 5/32 (842) 2-3 15/16 (709)	2-8 37/64 (827) 2-3 31/32 (710)	2-9 7/32 (844) 2-3 61/64 (710)
	UDHTRRTG2 1620	UDHTRRTG2 2020	UDHTRRTG2 2420	UDHTRRTG2 2620	UDHTRRTG2 2820
RO (mm) RO Rad. (mm)	3-0 1/4 (921) 2-6 1/2 (775)	3-2 1/4 (972) 3-4 1/2 (1029)	3-6 1/4 (1073) 3-4 1/2 (1029)	3-10 1/4 (1175) 3-4 1/2 (1029)	5-0 1/4 (1530) 4-6 1/2 (1384)
	2-1 29/32 (668) 1-7 15/16 (507)	2-0 25/32 (630) 1-7 63/64 (508)	2-1 59/64 (658) 1-7 31/32 (507)	2-3 13/64 (691) 1-7 61/64 (507)	2-5 3/64 (738) 1-7 61/64 (507)
	UDHTRRTG2 3012	UDHTRRTG2 3212	UDHTRRTG2 3612	UDHTRRTG2 4012	UDHTRRTG2 5412
	2-1 29/32 (668) 1-7 15/16 (507)	2-0 25/32 (630) 1-7 63/64 (508)	2-1 59/64 (658) 1-7 31/32 (507)	2-3 13/64 (691) 1-7 61/64 (507)	2-5 3/64 (738) 1-7 61/64 (507)
	UDHTRRTG2 3012	UDHTRRTG2 3212	UDHTRRTG2 3612	UDHTRRTG2 4012	UDHTRRTG2 5412
RO (mm) RO Spln. (mm)	2-1 29/32 (668) 1-7 15/16 (507)	2-0 25/32 (630) 1-7 63/64 (508)	2-1 59/64 (658) 1-7 31/32 (507)	2-3 13/64 (691) 1-7 61/64 (507)	2-5 3/64 (738) 1-7 61/64 (507)
	UDHTRRTG2 3012	UDHTRRTG2 3212	UDHTRRTG2 3612	UDHTRRTG2 4012	UDHTRRTG2 5412
	2-1 29/32 (668) 1-7 15/16 (507)	2-0 25/32 (630) 1-7 63/64 (508)	2-1 59/64 (658) 1-7 31/32 (507)	2-3 13/64 (691) 1-7 61/64 (507)	2-5 3/64 (738) 1-7 61/64 (507)
	UDHTRRTG2 3012	UDHTRRTG2 3212	UDHTRRTG2 3612	UDHTRRTG2 4012	UDHTRRTG2 5412
RO (mm) RO Spln. (mm)	2-1 29/32 (668) 1-7 15/16 (507)	2-0 25/32 (630) 1-7 63/64 (508)	2-1 59/64 (658) 1-7 31/32 (507)	2-3 13/64 (691) 1-7 61/64 (507)	2-5 3/64 (738) 1-7 61/64 (507)
	UDHTRRTG2 3012	UDHTRRTG2 3212	UDHTRRTG2 3612	UDHTRRTG2 4012	UDHTRRTG2 5412
	2-1 29/32 (668) 1-7 15/16 (507)	2-0 25/32 (630) 1-7 63/64 (508)	2-1 59/64 (658) 1-7 31/32 (507)	2-3 13/64 (691) 1-7 61/64 (507)	2-5 3/64 (738) 1-7 61/64 (507)
	UDHTRRTG2 3012	UDHTRRTG2 3212	UDHTRRTG2 3612	UDHTRRTG2 4012	UDHTRRTG2 5412

# Double Hung Transom Round Top G2

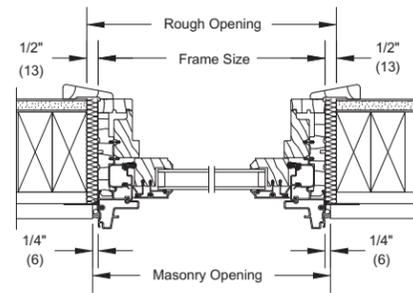
## RT2 Minimum Springline

RO (mm) RO Rad. (mm)	2-2 1/4 (667) 1-1 1/8 (333)	2-6 1/4 (768) 1-3 1/8 (384)	2-8 1/4 (819) 1-4 1/8 (410)	2-10 1/4 (870) 1-5 1/8 (435)	3-0 1/4 (921) 1-6 1/8 (460)
	1-4 27/32 (428) 0-3 23/32 (94)	1-6 27/32 (479) 0-3 23/32 (94)	1-7 27/32 (504) 0-3 23/32 (94)	1-8 27/32 (529) 0-3 23/32 (94)	1-9 27/32 (555) 0-3 23/32 (94)
	UDHTRRTG2 2015	UDHTRRTG2 2417	UDHTRRTG2 2618	UDHTRRTG2 2819	UDHTRRTG2 3020
	1-4 27/32 (428) 0-3 23/32 (94)	1-6 27/32 (479) 0-3 23/32 (94)	1-7 27/32 (504) 0-3 23/32 (94)	1-8 27/32 (529) 0-3 23/32 (94)	1-9 27/32 (555) 0-3 23/32 (94)
	UDHTRRTG2 2015	UDHTRRTG2 2417	UDHTRRTG2 2618	UDHTRRTG2 2819	UDHTRRTG2 3020
RO (mm) RO Spln. (mm)	1-4 27/32 (428) 0-3 23/32 (94)	1-6 27/32 (479) 0-3 23/32 (94)	1-7 27/32 (504) 0-3 23/32 (94)	1-8 27/32 (529) 0-3 23/32 (94)	1-9 27/32 (555) 0-3 23/32 (94)
	UDHTRRTG2 2015	UDHTRRTG2 2417	UDHTRRTG2 2618	UDHTRRTG2 2819	UDHTRRTG2 3020
	1-4 27/32 (428) 0-3 23/32 (94)	1-6 27/32 (479) 0-3 23/32 (94)	1-7 27/32 (504) 0-3 23/32 (94)	1-8 27/32 (529) 0-3 23/32 (94)	1-9 27/32 (555) 0-3 23/32 (94)
	UDHTRRTG2 2015	UDHTRRTG2 2417	UDHTRRTG2 2618	UDHTRRTG2 2819	UDHTRRTG2 3020
RO (mm) RO Rad. (mm)	3-2 1/4 (972) 1-7 1/8 (486)	3-6 1/4 (1073) 1-9 1/8 (537)	3-10 1/4 (1175) 1-11 1/8 (587)	5-0 1/4 (1530) 2-6 1/8 (765)	
	1-10 27/32 (680) 0-3 23/32 (94)	2-0 27/32 (651) 0-3 23/32 (94)	2-2 27/32 (682) 0-3 23/32 (94)	2-9 27/32 (680) 0-3 23/32 (94)	
	UDHTRRTG2 3221	UDHTRRTG2 3623	UDHTRRTG2 4025	UDHTRRTG2 5432	
	1-10 27/32 (680) 0-3 23/32 (94)	2-0 27/32 (651) 0-3 23/32 (94)	2-2 27/32 (682) 0-3 23/32 (94)	2-9 27/32 (680) 0-3 23/32 (94)	
	UDHTRRTG2 3221	UDHTRRTG2 3623	UDHTRRTG2 4025	UDHTRRTG2 5432	
RO (mm) RO Spln. (mm)	1-10 27/32 (680) 0-3 23/32 (94)	2-0 27/32 (651) 0-3 23/32 (94)	2-2 27/32 (682) 0-3 23/32 (94)	2-9 27/32 (680) 0-3 23/32 (94)	
	UDHTRRTG2 3221	UDHTRRTG2 3623	UDHTRRTG2 4025	UDHTRRTG2 5432	
	1-10 27/32 (680) 0-3 23/32 (94)	2-0 27/32 (651) 0-3 23/32 (94)	2-2 27/32 (682) 0-3 23/32 (94)	2-9 27/32 (680) 0-3 23/32 (94)	
	UDHTRRTG2 3221	UDHTRRTG2 3623	UDHTRRTG2 4025	UDHTRRTG2 5432	
RO (mm) RO Rad. (mm)	4-11 1/2 (1511) 2-5 3/4 (756)	5-7 1/2 (1715) 2-9 3/4 (857)	6-3 1/2 (1918) 3-1 3/4 (959)		
	2-9 15/32 (850) 0-3 23/32 (94)	3-1 15/32 (852) 0-3 23/32 (94)	3-5 15/32 (1053) 0-3 23/32 (94)		
	UDHTRRTG2 5834	UDHTRRTG2 6638	UDHTRRTG2 7442		
	2-9 15/32 (850) 0-3 23/32 (94)	3-1 15/32 (852) 0-3 23/32 (94)	3-5 15/32 (1053) 0-3 23/32 (94)		
	UDHTRRTG2 5834	UDHTRRTG2 6638	UDHTRRTG2 7442		
RO (mm) RO Spln. (mm)	2-9 15/32 (850) 0-3 23/32 (94)	3-1 15/32 (852) 0-3 23/32 (94)	3-5 15/32 (1053) 0-3 23/32 (94)		
	UDHTRRTG2 5834	UDHTRRTG2 6638	UDHTRRTG2 7442		
	2-9 15/32 (850) 0-3 23/32 (94)	3-1 15/32 (852) 0-3 23/32 (94)	3-5 15/32 (1053) 0-3 23/32 (94)		
	UDHTRRTG2 5834	UDHTRRTG2 6638	UDHTRRTG2 7442		

### Construction Details



HEAD JAMB AND SILL - TRANSOM



JAMB - TRANSOM

ULTIMATE DOUBLE HUNG TRANSOM ROUND TOP G2: UDHTRRTG2

# Double Hung Picture Round Top G2

RT6 Picture Eyebrow Above Springline

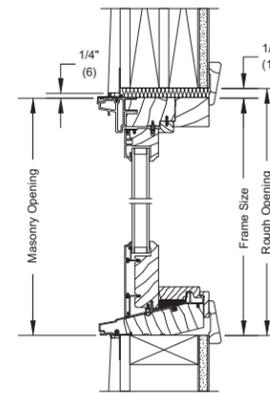
RO (mm)	3-6 1/4 (1073)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-2 1/4 (1581)	5-10 1/4 (1784)
RO Rad. (mm)	3-4 1/2 (1029)	3-4 1/2 (1029)	4-6 1/2 (1384)	6-0 1/2 (1842)	6-0 1/2 (1842)
RO (mm)	3-9 47/64 (1161)	4-0 31/64 (1231)	4-1 1/64 (1194)	3-10 27/32 (1190)	4-0 7/8 (1241)
RO Spln. (mm)	3-3 25/32 (1010)	3-3 3/4 (1039)	3-3 5/64 (1011)	3-3 13/16 (1011)	3-3 5/164 (1011)
UDHPRTG2 4038		UDHPRTG2 4838	UDHPRTG2 5238	UDHPRTG2 6038	UDHPRTG2 6838
RO (mm)	4-1 47/64 (1263)	4-4 31/64 (1333)	4-3 1/64 (1286)	4-2 27/32 (1291)	4-4 7/8 (1343)
RO Spln. (mm)	3-7 25/32 (1112)	3-7 3/4 (1111)	3-7 5/64 (1112)	3-7 13/16 (1113)	3-7 5/164 (1112)
UDHPRTG2 4042		UDHPRTG2 4842	UDHPRTG2 5242	UDHPRTG2 6042	UDHPRTG2 6842
RO (mm)	4-5 47/64 (1365)	4-8 31/64 (1435)	4-7 1/64 (1398)	4-6 27/32 (1393)	4-8 7/8 (1445)
RO Spln. (mm)	3-11 25/32 (1214)	3-11 3/4 (1213)	3-11 5/64 (1214)	3-11 13/16 (1215)	3-11 5/164 (1214)
UDHPRTG2 4046		UDHPRTG2 4846	UDHPRTG2 5246	UDHPRTG2 6046	UDHPRTG2 6846
RO (mm)	4-9 47/64 (1466)	5-0 31/64 (1536)	4-11 1/64 (1499)	4-10 27/32 (1494)	5-0 7/8 (1546)
RO Spln. (mm)	4-3 25/32 (1315)	4-3 3/4 (1314)	4-3 5/64 (1315)	4-3 13/16 (1316)	4-3 5/164 (1316)
UDHPRTG2 4050		UDHPRTG2 4850	UDHPRTG2 5250	UDHPRTG2 6050	UDHPRTG2 6850
RO (mm)	5-1 47/64 (1568)	5-4 31/64 (1638)	5-3 1/64 (1601)	5-2 27/32 (1596)	5-4 7/8 (1648)
RO Spln. (mm)	4-7 25/32 (1417)	4-7 3/4 (1416)	4-7 5/64 (1417)	4-7 13/16 (1418)	4-7 5/164 (1417)
UDHPRTG2 4054		UDHPRTG2 4854	UDHPRTG2 5254	UDHPRTG2 6054	UDHPRTG2 6854
RO (mm)	5-5 47/64 (1669)	5-8 31/64 (1739)	5-7 1/64 (1702)	5-6 27/32 (1698)	5-8 7/8 (1749)
RO Spln. (mm)	4-11 25/32 (1518)	4-11 3/4 (1517)	4-11 5/64 (1519)	4-11 13/16 (1519)	4-11 5/164 (1519)
UDHPRTG2 4058		UDHPRTG2 4858	UDHPRTG2 5258	UDHPRTG2 6058	UDHPRTG2 6858
RO (mm)	5-9 47/64 (1771)	6-0 31/64 (1841)	5-11 1/64 (1804)	5-10 27/32 (1799)	6-0 7/8 (1851)
RO Spln. (mm)	5-3 25/32 (1620)	5-3 3/4 (1619)	5-3 5/64 (1620)	5-3 13/16 (1621)	5-3 5/164 (1620)
UDHPRTG2 4062		UDHPRTG2 4862	UDHPRTG2 5262	UDHPRTG2 6062	UDHPRTG2 6862
RO (mm)	6-1 47/64 (1873)	6-4 31/64 (1943)	6-3 1/64 (1906)	6-2 27/32 (1901)	6-4 7/8 (1953)
RO Spln. (mm)	5-7 25/32 (1722)	5-7 3/4 (1721)	5-7 5/64 (1722)	5-7 13/16 (1723)	5-7 5/164 (1722)
UDHPRTG2 4066		UDHPRTG2 4866	UDHPRTG2 5266	UDHPRTG2 6066	UDHPRTG2 6866
RO (mm)	6-5 47/64 (1974)	6-8 31/64 (2044)	6-7 1/64 (2007)	6-6 27/32 (2002)	6-8 7/8 (2054)
RO Spln. (mm)	5-11 25/32 (1823)	5-11 3/4 (1822)	5-11 5/64 (1823)	5-11 13/16 (1824)	5-11 5/164 (1824)
UDHPRTG2 4070		UDHPRTG2 4870	UDHPRTG2 5270	UDHPRTG2 6070	UDHPRTG2 6870

# Double Hung Picture Round Top G2

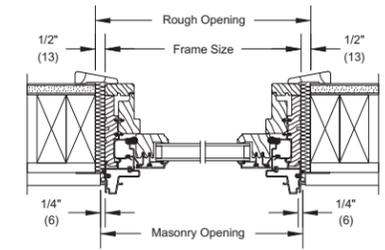
RT6 Picture Eyebrow Above Springline

RO (mm)	3-6 1/4 (1073)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-2 1/4 (1581)	5-10 1/4 (1784)
RO Rad. (mm)	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)
RO (mm)	6-9 47/64 (2076)	7-0 31/64 (2146)	6-11 1/64 (2109)	6-10 27/32 (2104)	7-0 7/8 (2516)
RO Spln. (mm)	6-3 25/32 (1925)	6-3 3/4 (1924)	6-3 5/164 (1925)	6-3 13/16 (1926)	6-3 5/164 (1925)
UDHPRTG2 4074		UDHPRTG2 4874	UDHPRTG2 5274	UDHPRTG2 6074	UDHPRTG2 6874
RO (mm)	7-1 47/64 (2177)	7-4 31/64 (2247)	7-3 1/64 (2210)	7-2 27/32 (2205)	7-4 7/8 (2527)
RO Spln. (mm)	6-7 25/32 (2026)	6-7 3/4 (2025)	6-7 5/164 (2027)	6-7 13/16 (2027)	6-7 5/164 (2027)
UDHPRTG2 4078		UDHPRTG2 4878	UDHPRTG2 5278	UDHPRTG2 6078	UDHPRTG2 6878
RO (mm)	7-9 47/64 (2381)	8-0 31/64 (2451)	7-11 1/64 (2414)	7-10 27/32 (2409)	7-10 7/8 (2816)
RO Spln. (mm)	7-3 25/32 (2230)	7-3 3/4 (2229)	7-3 5/164 (2230)	7-3 13/16 (2231)	7-3 5/164 (2231)
UDHPRTG2 4086		UDHPRTG2 4886	UDHPRTG2 5286	UDHPRTG2 6086	UDHPRTG2 6886
RO (mm)	8-1 47/64 (2482)	8-4 31/64 (2552)	8-3 1/64 (2515)	8-2 27/32 (2510)	8-4 7/8 (2917)
RO Spln. (mm)	7-7 25/32 (2331)	7-7 3/4 (2330)	7-7 5/164 (2331)	7-7 13/16 (2332)	7-7 5/164 (2331)
UDHPRTG2 4090		UDHPRTG2 4890	UDHPRTG2 5290	UDHPRTG2 6090	UDHPRTG2 6890

## Construction Details



HEAD JAMB AND SILL - PICTURE



JAMB - PICTURE

ULTIMATE DOUBLE HUNG PICTURE ROUND TOP G2: UDHPRTG2

# Single Hung Round Top G2

RT21 And RT22 Standard Sizes Operators

RO (mm)	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)	3-0 1/4 (921)
RO Rad. (mm)	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)	6-0 1/2 (1842)
RO (mm)	3-2 7/64 (968)	3-4 63/64 (1041)	3-4 39/64 (1031)	3-3 9/64 (984)	3-4 9/64 (1019)	3-5 7/32 (1047)
RO Spln. (mm)	2-7 25/32 (807)	2-7 47/64 (806)	2-7 49/64 (807)	2-7 13/16 (808)	2-7 51/64 (808)	2-7 51/64 (808)
RO (mm)	3-6 7/64 (1070)	3-8 63/64 (1142)	3-8 39/64 (1133)	3-7 9/64 (1086)	3-8 9/64 (1121)	3-9 7/32 (1149)
RO Spln. (mm)	2-11 25/32 (909)	2-11 47/64 (908)	2-11 49/64 (909)	2-11 13/16 (910)	2-11 51/64 (909)	2-11 51/64 (909)
RO (mm)	3-10 7/64 (1171)	4-0 63/64 (1244)	4-0 39/64 (1235)	3-11 9/64 (1197)	4-0 9/64 (1232)	4-1 7/32 (1250)
RO Spln. (mm)	3-3 25/32 (1010)	3-3 47/64 (1009)	3-3 49/64 (1010)	3-3 13/16 (1011)	3-3 51/64 (1011)	3-3 51/64 (1011)
RO (mm)	4-2 7/64 (1273)	4-4 63/64 (1346)	4-4 39/64 (1336)	4-3 9/64 (1289)	4-4 9/64 (1324)	4-5 7/32 (1352)
RO Spln. (mm)	3-7 25/32 (1112)	3-7 47/64 (1111)	3-7 49/64 (1112)	3-7 13/16 (1113)	3-7 51/64 (1113)	3-7 51/64 (1112)
RO (mm)	4-6 7/64 (1374)	4-8 63/64 (1447)	4-8 39/64 (1438)	4-7 9/64 (1400)	4-8 9/64 (1426)	4-9 7/32 (1453)
RO Spln. (mm)	3-11 25/32 (1213)	3-11 47/64 (1213)	3-11 49/64 (1213)	3-11 13/16 (1214)	3-11 51/64 (1214)	3-11 51/64 (1214)
RO (mm)	4-10 7/64 (1476)	5-0 63/64 (1549)	5-0 39/64 (1539)	4-11 9/64 (1502)	5-0 9/64 (1527)	5-1 7/32 (1555)
RO Spln. (mm)	4-3 25/32 (1315)	4-3 47/64 (1314)	4-3 49/64 (1315)	4-3 13/16 (1316)	4-3 51/64 (1316)	4-3 51/64 (1316)
RO (mm)	5-2 7/64 (1578)	5-4 63/64 (1650)	5-4 39/64 (1641)	5-3 9/64 (1604)	5-4 9/64 (1629)	5-5 7/32 (1657)
RO Spln. (mm)	4-7 25/32 (1417)	4-7 47/64 (1416)	4-7 49/64 (1417)	4-7 13/16 (1418)	4-7 51/64 (1417)	4-7 51/64 (1417)
RO (mm)	5-6 7/64 (1679)	5-8 63/64 (1752)	5-8 39/64 (1743)	5-7 9/64 (1705)	5-8 9/64 (1731)	5-9 7/32 (1758)
RO Spln. (mm)	4-11 25/32 (1518)	4-11 47/64 (1517)	4-11 49/64 (1518)	4-11 13/16 (1519)	4-11 51/64 (1519)	4-11 51/64 (1519)
RO (mm)	6-0 7/64 (1781)	6-0 63/64 (1854)	6-0 39/64 (1844)	6-0 9/64 (1806)	6-0 9/64 (1832)	6-1 7/32 (1860)
RO Spln. (mm)	5-3 25/32 (1620)	5-3 47/64 (1619)	5-3 49/64 (1620)	5-3 13/16 (1621)	5-3 51/64 (1621)	5-3 51/64 (1620)

ULTIMATE SINGLE HUNG ROUND TOP G2: USHRTG2

# Single Hung Round Top G2

RT21 And RT22 Standard Sizes Operators

RO (mm)	3-2 1/4 (972)	3-6 1/4 (1073)	3-10 1/4 (1175)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-0 1/4 (1530)
RO Rad. (mm)	6-0 1/2 (1842)	7-0 1/2 (2146)	7-0 1/2 (2146)	9-0 1/2 (2756)	9-0 1/2 (2756)	9-0 1/2 (2756)
RO (mm)	3-6 25/64 (1077)	3-6 53/64 (1088)	3-9 15/64 (1149)	3-7 7/8 (1115)	3-10 1/16 (1169)	4-1 3/4 (1262)
RO Spln. (mm)	2-7 25/32 (807)	2-7 51/64 (808)	2-7 49/64 (807)	2-7 13/16 (808)	2-7 13/16 (807)	2-7 13/16 (807)
RO (mm)	3-10 25/64 (1178)	3-10 53/64 (1189)	4-1 15/64 (1250)	3-11 7/8 (1216)	4-2 1/16 (1271)	4-5 3/4 (1364)
RO Spln. (mm)	2-11 25/32 (909)	2-11 51/64 (909)	2-11 49/64 (909)	2-11 13/16 (909)	2-11 13/16 (909)	2-11 13/16 (909)
RO (mm)	4-2 25/64 (1280)	4-2 53/64 (1291)	4-5 15/64 (1352)	4-3 7/8 (1318)	4-6 1/16 (1373)	4-9 3/4 (1466)
RO Spln. (mm)	3-3 25/32 (1010)	3-3 51/64 (1011)	3-3 49/64 (1010)	3-3 13/16 (1011)	3-3 13/16 (1011)	3-3 13/16 (1010)
RO (mm)	4-6 25/64 (1381)	4-6 53/64 (1393)	4-9 15/64 (1454)	4-7 7/8 (1419)	4-10 1/16 (1474)	5-1 3/4 (1567)
RO Spln. (mm)	3-7 25/32 (1112)	3-7 51/64 (1112)	3-7 49/64 (1112)	3-7 13/16 (1113)	3-7 13/16 (1112)	3-7 13/16 (1112)
RO (mm)	4-10 25/64 (1483)	4-10 53/64 (1494)	5-1 15/64 (1555)	4-11 7/8 (1521)	5-2 1/16 (1576)	5-5 3/4 (1669)
RO Spln. (mm)	3-11 25/32 (1214)	3-11 51/64 (1214)	3-11 49/64 (1213)	3-11 13/16 (1214)	3-11 13/16 (1214)	3-11 13/16 (1213)
RO (mm)	5-2 25/64 (1585)	5-2 53/64 (1596)	5-5 15/64 (1657)	5-3 7/8 (1623)	5-6 1/16 (1677)	5-9 3/4 (1770)
RO Spln. (mm)	4-3 25/32 (1315)	4-3 51/64 (1316)	4-3 49/64 (1315)	4-3 13/16 (1316)	4-3 13/16 (1315)	4-3 13/16 (1315)
RO (mm)	5-6 25/64 (1686)	5-6 53/64 (1697)	5-9 15/64 (1758)	5-7 7/8 (1724)	5-10 1/16 (1779)	6-1 3/4 (1872)
RO Spln. (mm)	4-7 25/32 (1417)	4-7 51/64 (1417)	4-7 49/64 (1417)	4-7 13/16 (1417)	4-7 13/16 (1417)	4-7 13/16 (1417)
RO (mm)	5-10 25/64 (1788)	5-10 53/64 (1799)	6-1 15/64 (1860)	5-11 7/8 (1826)	6-2 1/16 (1881)	6-5 3/4 (1974)
RO Spln. (mm)	4-11 25/32 (1518)	4-11 51/64 (1519)	4-11 49/64 (1518)	4-11 13/16 (1519)	4-11 13/16 (1519)	4-11 13/16 (1518)
RO (mm)	6-2 25/64 (1889)	6-2 53/64 (1901)	6-5 15/64 (1962)	6-3 7/8 (1927)	6-6 1/16 (1982)	6-9 3/4 (2075)
RO Spln. (mm)	5-3 25/32 (1620)	5-3 51/64 (1620)	5-3 49/64 (1620)	5-3 13/16 (1621)	5-3 13/16 (1620)	5-3 13/16 (1620)

# Single Hung Round Top G2

## RT21 And RT22 Standard Sizes Operators

RO (mm)	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)	3-0 1/4 (921)
RO Rad. (mm)	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)	6-0 1/2 (1842)
RO (mm)	6-2 7/64 (1982)	6-4 63/64 (1955)	6-4 39/64 (1946)	6-3 9/64 (1908)	6-4 9/64 (1934)	6-5 7/32 (1961)
RO Spln. (mm)	5-7 25/32 (1721)	5-7 47/64 (1721)	5-7 49/64 (1721)	5-7 13/16 (1722)	5-7 51/64 (1722)	5-7 51/64 (1722)
RO (mm)	6-6 7/64 (1984)	6-8 63/64 (2057)	6-8 39/64 (2047)	6-7 9/64 (2010)	6-8 9/64 (2035)	6-9 7/32 (2063)
RO Spln. (mm)	5-11 25/32 (1823)	5-11 47/64 (1822)	5-11 49/64 (1823)	5-11 13/16 (1824)	5-11 51/64 (1824)	5-11 51/64 (1824)
RO (mm)	6-10 7/64 (2086)	7-0 63/64 (2158)	7-0 39/64 (2148)	6-11 9/64 (2112)	7-0 9/64 (2137)	7-1 7/32 (2165)
RO Spln. (mm)	6-3 25/32 (1925)	6-3 47/64 (1924)	6-3 49/64 (1925)	6-3 13/16 (1926)	6-3 51/64 (1925)	6-3 51/64 (1925)
RO (mm)	7-2 7/64 (2187)	7-4 63/64 (2260)	7-4 39/64 (2251)	7-3 9/64 (2213)	7-4 9/64 (2238)	7-5 7/32 (2266)
RO Spln. (mm)	6-7 25/32 (2026)	6-7 47/64 (2025)	6-7 49/64 (2026)	6-7 13/16 (2027)	6-7 51/64 (2027)	6-7 51/64 (2027)
RO (mm)	7-10 7/64 (2390)	8-0 63/64 (2463)	8-0 39/64 (2454)	7-11 9/64 (2416)	8-0 9/64 (2442)	8-1 7/32 (2469)
RO Spln. (mm)	7-3 25/32 (2229)	7-3 47/64 (2229)	7-3 49/64 (2229)	7-3 13/16 (2230)	7-3 51/64 (2230)	7-3 51/64 (2230)
RO (mm)	8-2 7/64 (2492)	8-4 63/64 (2565)	8-4 39/64 (2555)	8-3 9/64 (2518)	8-4 9/64 (2543)	8-5 7/32 (2571)
RO Spln. (mm)	7-7 25/32 (2331)	7-7 47/64 (2330)	7-7 49/64 (2331)	7-7 13/16 (2332)	7-7 51/64 (2332)	7-7 51/64 (2332)
RO (mm)	9-6 7/64 (2898)	9-8 63/64 (2971)	9-8 39/64 (2962)	9-7 9/64 (2924)	9-8 9/64 (2950)	9-10 25/64 (3007)
RO Spln. (mm)	8-11 25/32 (2737)	8-11 47/64 (2737)	8-11 49/64 (2737)	8-11 13/16 (2738)	8-11 51/64 (2738)	8-11 25/32 (2738)

# Single Hung Round Top G2

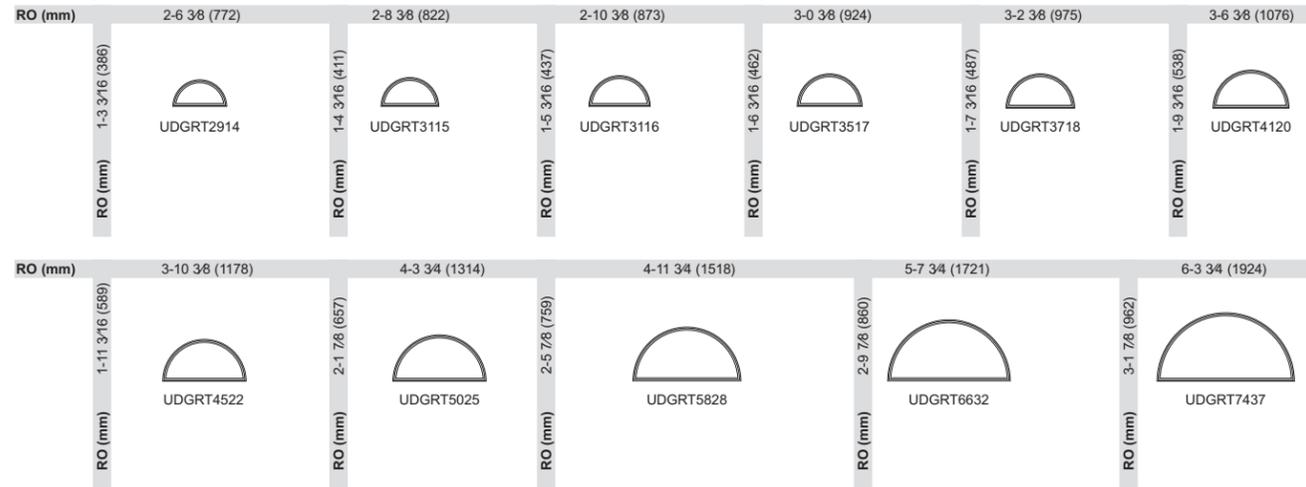
## RT21 And RT22 Standard Sizes Operators

RO (mm)	3-2 1/4 (972)	3-6 1/4 (1073)	3-10 1/4 (1175)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-0 1/4 (1530)
RO Rad. (mm)	6-0 1/2 (1842)	7-0 1/2 (2146)	7-0 1/2 (2146)	9-0 1/2 (2756)	9-0 1/2 (2756)	9-0 1/2 (2756)
RO (mm)	6-6 25/64 (1991)	6-6 53/64 (2002)	6-9 15/64 (2063)	6-7 7/8 (2029)	6-10 1/16 (2084)	7-1 3/4 (2177)
RO Spln. (mm)	5-7 25/32 (1722)	5-7 51/64 (1722)	5-7 49/64 (1721)	5-7 13/16 (1722)	5-7 13/16 (1722)	5-7 13/16 (1721)
RO (mm)	6-10 25/64 (2093)	6-10 53/64 (2104)	7-1 15/64 (2165)	6-11 7/8 (2131)	7-2 1/16 (2185)	7-3 3/4 (2278)
RO Spln. (mm)	5-11 25/32 (1823)	5-11 51/64 (1824)	5-11 49/64 (1823)	5-11 13/16 (1824)	5-11 13/16 (1823)	5-11 13/16 (1823)
RO (mm)	7-2 25/64 (2194)	7-2 53/64 (2205)	7-5 15/64 (2266)	7-3 7/8 (2232)	7-6 1/16 (2287)	7-9 3/4 (2380)
RO Spln. (mm)	6-3 25/32 (1925)	6-3 51/64 (1925)	6-3 49/64 (1925)	6-3 13/16 (1925)	6-3 13/16 (1925)	6-3 13/16 (1925)
RO (mm)	7-6 25/64 (2296)	7-6 53/64 (2307)	7-9 15/64 (2368)	7-7 7/8 (2334)	7-10 1/16 (2389)	8-1 3/4 (2482)
RO Spln. (mm)	6-7 25/32 (2026)	6-7 51/64 (2027)	6-7 49/64 (2026)	6-7 13/16 (2027)	6-7 13/16 (2027)	6-7 13/16 (2026)
RO (mm)	8-2 25/64 (2499)	8-2 53/64 (2510)	8-5 15/64 (2571)	8-3 7/8 (2537)	8-6 1/16 (2592)	8-9 3/4 (2685)
RO Spln. (mm)	7-3 25/32 (2230)	7-3 51/64 (2230)	7-3 49/64 (2229)	7-3 13/16 (2230)	7-3 13/16 (2230)	7-3 13/16 (2229)
RO (mm)	9-10 25/64 (3007)	9-10 53/64 (3018)	9-13 15/64 (3079)	9-11 7/8 (3045)	9-14 1/16 (3100)	9-17 1/4 (3155)
RO Spln. (mm)	8-11 25/32 (2738)	8-11 51/64 (2738)	8-11 49/64 (2737)	8-11 13/16 (2738)	8-11 13/16 (2738)	8-11 13/16 (2737)

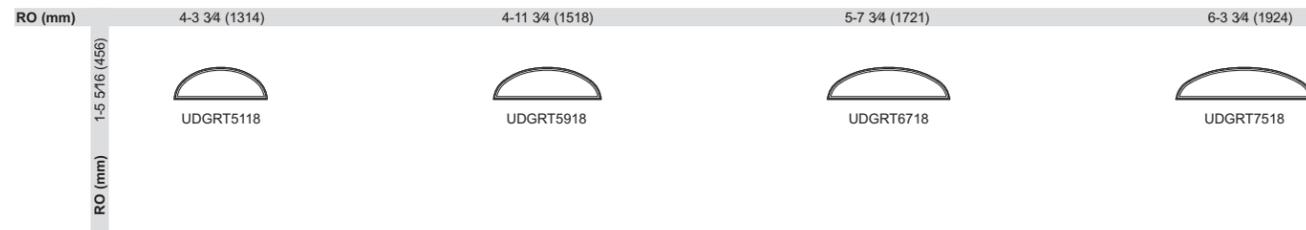


## Direct Glaze Round Top - Double Hung

### RT1 True Half Circle Standard Sizes - Direct Glaze

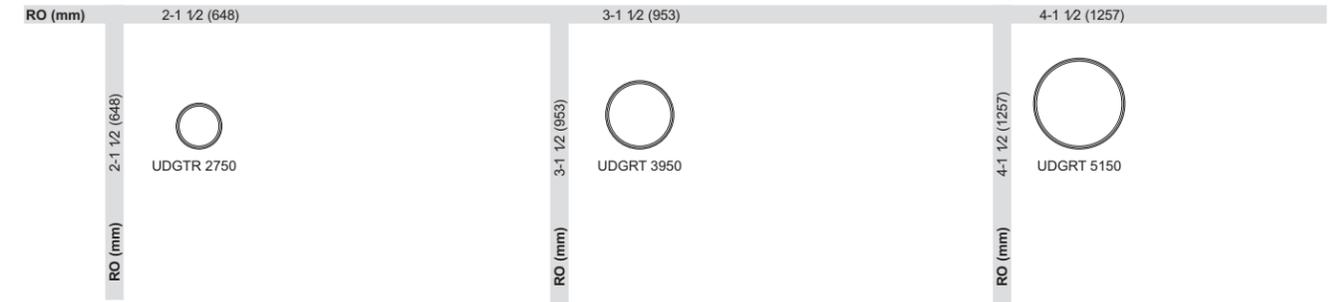


### RT29 Elliptical Standard Sizes - Direct Glaze

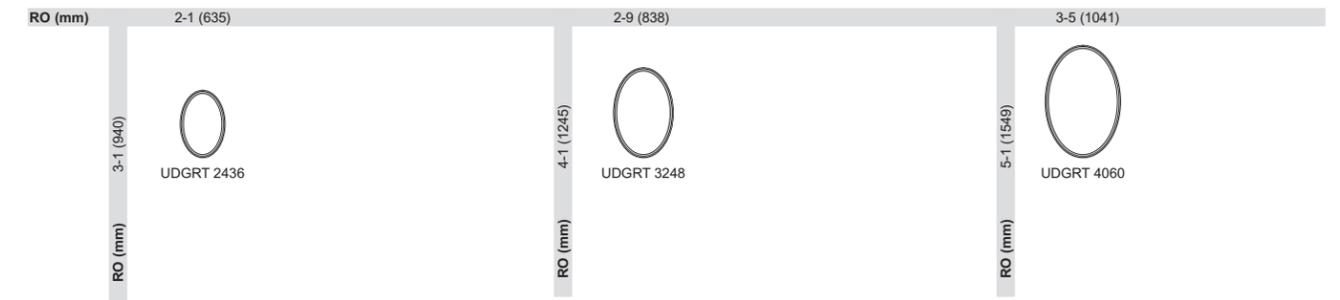


## Direct Glaze Round Top - Double Hung

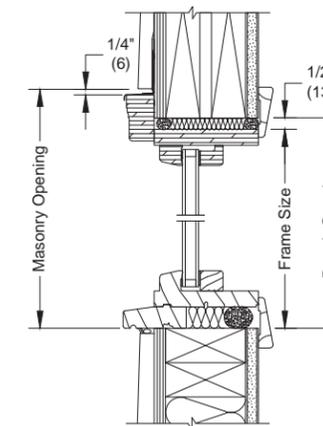
### RT27 Full Circle Standard Sizes - Direct Glaze



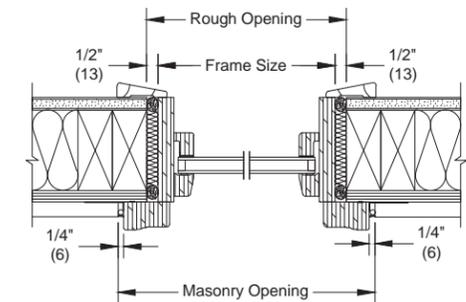
### RT28 Full Ellipse Standard Sizes - Direct Glaze



### Construction Details



HEAD JAMB AND SILL - DIRECT GLAZE



JAMB - DIRECT GLAZE

Details and Elevations not to scale.  
 E These windows meet national Egress codes for fire evacuation. Local codes may differ.  
 Please consult your local Marvin representative for masonry openings that include casings.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Double Hung Insert G2

## Measurement Instructions

1. For Inside Opening Width (A) measure inside of frame at three locations: the sill, the center, and the head jamb. Record the narrowest measurement. Do not measure from parting stops or blind stops. See illustration 1.

2. Measure the Inside Opening Height (B) from the top of the sill to the bottom of the head jamb as shown in illustration 2.

3. Check the Sill Angle (C). Record the sill angle to the nearest degree. See illustration 2.

Note: This measurement is from wood surface to wood surface. Removal of existing jamb hardware may be necessary to reach the frame.

Note: If the angle of the sill is 8° or less the unit will be made with a flat bottom frame. If it is greater than 8° it will be made with a bevel frame.

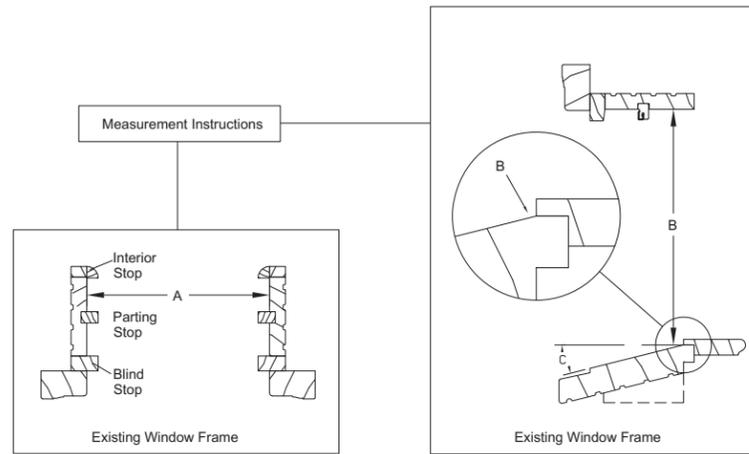
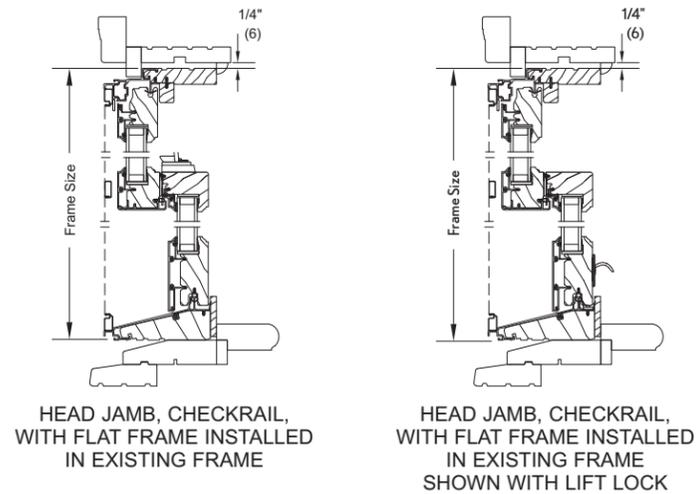


ILLUSTRATION 1

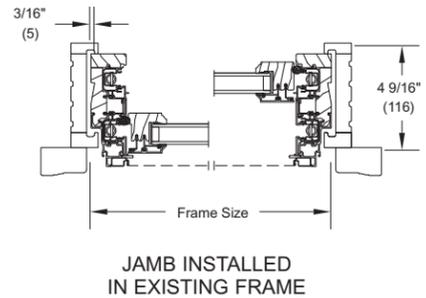
ILLUSTRATION 2

## Construction Details



HEAD JAMB, CHECKRAIL, WITH FLAT FRAME INSTALLED IN EXISTING FRAME

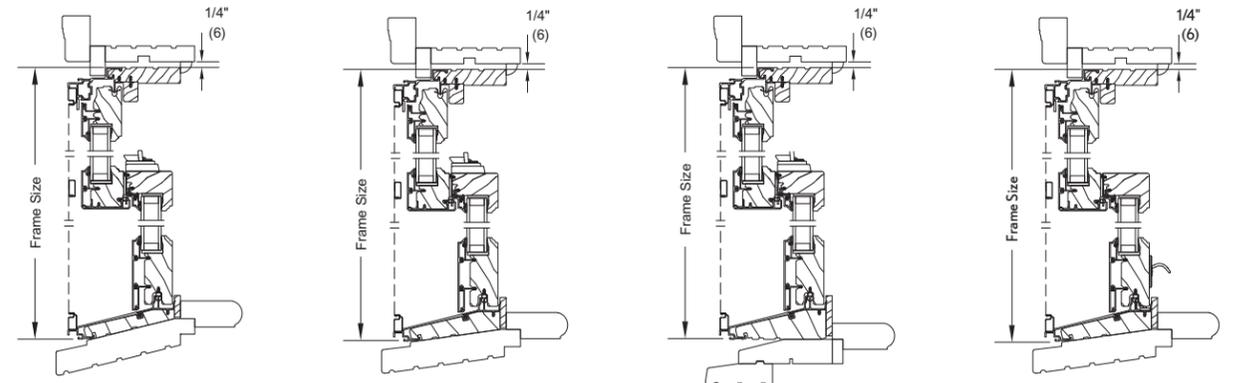
HEAD JAMB, CHECKRAIL, WITH FLAT FRAME INSTALLED IN EXISTING FRAME SHOWN WITH LIFT LOCK



JAMB INSTALLED IN EXISTING FRAME

# Double Hung Insert G2

## Construction Details

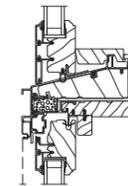


HEAD JAMB, CHECKRAIL, WITH 14° BEVELED FRAME INSTALLED IN EXISTING FRAME

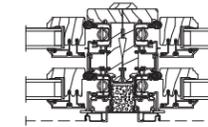
HEAD JAMB, CHECKRAIL, WITH 8° BEVELED FRAME INSTALLED IN EXISTING FRAME

HEAD JAMB, CHECKRAIL, WITH FLAT FRAME INSTALLED IN EXISTING FRAME

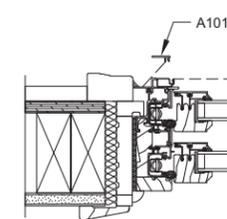
HEAD JAMB, CHECKRAIL, WITH 8° BEVELED FRAME INSTALLED IN EXISTING FRAME SHOWN WITH LIFT LOCK



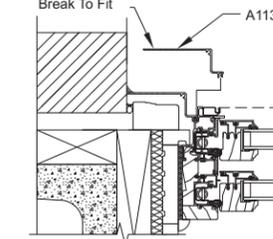
HORIZONTAL MULLION TRANSOM/OPERATOR



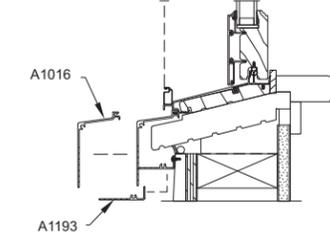
VERTICAL MULLION OPERATOR



FRAME EXPANDER



PANNING (MASONRY SHOW)



SILL PANNING

Details and Elevations not to scale.

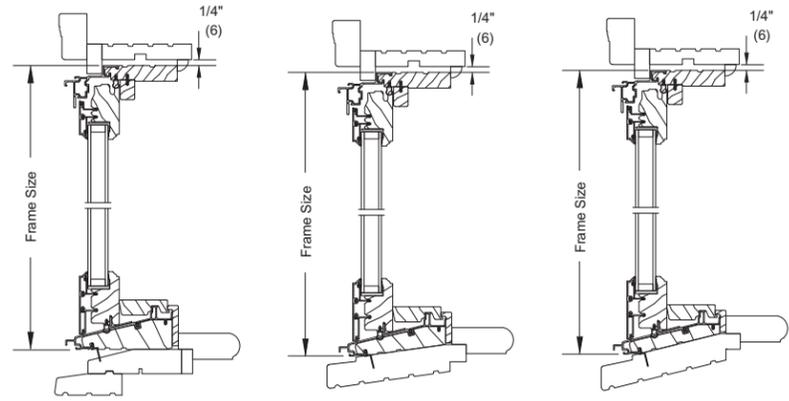
- Ultimate Double Hung Insert G2 Windows are manufactured to your specifications. For additional information, contact your local Marvin representative.

Please consult your local Marvin representative for more information.

For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Double Hung Insert Transom / Picture G2

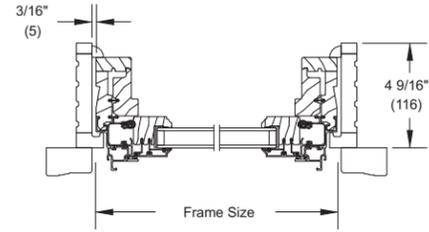
## Construction Details



TRANSOM HEAD JAMB WITH FLAT FRAME INSTALLED IN EXISTING FRAME

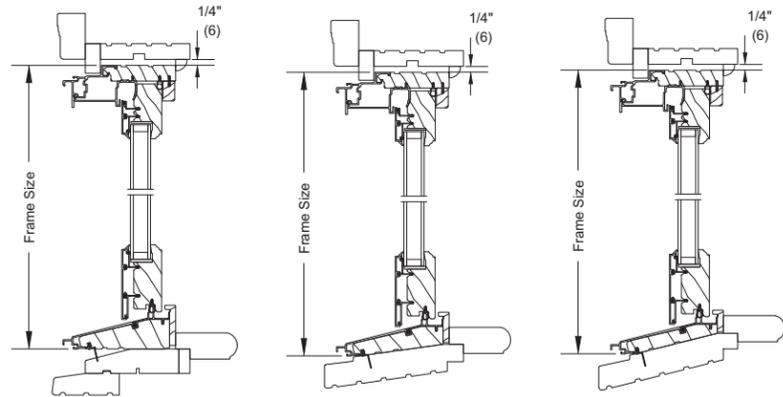
TRANSOM HEAD JAMB WITH 8° BEVELED FRAME INSTALLED IN EXISTING FRAME

TRANSOM HEAD JAMB WITH 14° BEVELED FRAME INSTALLED IN EXISTING FRAME



TRANSOM JAMB INSTALLED IN EXISTING FRAME

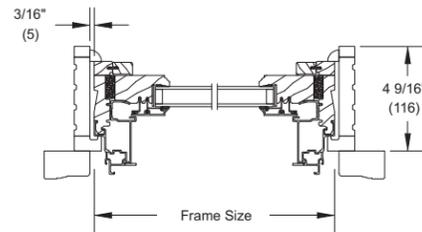
## Construction Details - Picture



PICTURE HEAD JAMB WITH FLAT FRAME INSTALLED IN EXISTING FRAME

PICTURE HEAD JAMB WITH 8° BEVELED FRAME INSTALLED IN EXISTING FRAME

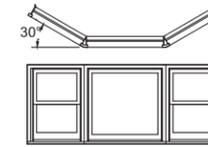
PICTURE HEAD JAMB WITH 14° BEVELED FRAME INSTALLED IN EXISTING FRAME



PICTURE JAMB INSTALLED IN EXISTING FRAME

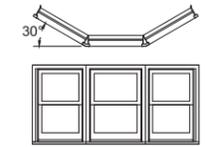
# Wood Double Hung Bay

## 30° Ultimate Wood Double Hung Bay with Picture Center Unit



UNIT NO. (WIDTH)	ROUGH OPENING (WIDTH)	PROJECTION
16-40-16	6-11 3/16 (2113)	11 15/16" (303)
16-48-16	7-7 3/16 (2316)	11 15/16" (303)
16-52-16	7-11 3/16 (2418)	11 15/16" (303)
16-60-16	8-7 3/16 (2621)	11 15/16" (303)
20-40-20	7-6 1/8 (2289)	13 15/16" (354)
20-48-20	8-2 1/8 (2492)	13 15/16" (354)
20-52-20	8-6 1/8 (2594)	13 15/16" (354)
20-60-20	9-2 1/8 (2797)	13 15/16" (354)
20-68-20	9-10 1/8 (3000)	13 15/16" (354)
24-40-24	8-1 1/16 (2465)	15 15/16" (405)
24-48-24	8-9 1/16 (2669)	15 15/16" (405)
24-52-24	9-1 1/16 (2770)	15 15/16" (405)
24-60-24	9-9 1/16 (2973)	15 15/16" (405)
24-68-24	10-5 1/16 (3177)	15 15/16" (405)
26-40-26	8-4 1/2 (2553)	16 15/16" (430)
26-48-26	9-0 1/2 (2756)	16 15/16" (430)
26-52-26	9-4 1/2 (2858)	16 15/16" (430)
26-60-26	10-0 1/2 (3061)	16 15/16" (430)
26-68-26	10-8 1/2 (3264)	16 15/16" (430)
28-40-28	8-7 31/32 (2641)	17 15/16" (456)
28-48-28	9-3 31/32 (2844)	17 15/16" (456)
28-52-28	9-7 31/32 (2946)	17 15/16" (456)
28-60-28	10-3 31/32 (3149)	17 15/16" (456)
28-68-28	10-11 31/32 (3352)	17 15/16" (456)
30-40-30	8-11 7/16 (2729)	18 15/16" (481)
30-48-30	9-7 7/16 (2932)	18 15/16" (481)
30-52-30	9-11 7/16 (3034)	18 15/16" (481)
30-60-30	10-7 7/16 (3237)	18 15/16" (481)
30-68-30	11-3 7/16 (3440)	18 15/16" (481)
32-40-32	9-2 15/16 (2817)	19 15/16" (506)
32-48-32	9-10 15/16 (3020)	19 15/16" (506)
32-52-32	10-2 15/16 (3122)	19 15/16" (506)
32-60-32	10-10 15/16 (3325)	19 15/16" (506)
32-68-32	11-6 15/16 (3528)	19 15/16" (506)
36-40-36	9-9 27/32 (2993)	21 15/16" (557)
36-48-36	10-5 27/32 (3196)	21 15/16" (557)
36-52-36	10-9 27/32 (3298)	21 15/16" (557)
36-60-36	11-5 27/32 (3501)	21 15/16" (557)
36-68-36	12-1 27/32 (3704)	21 15/16" (557)
40-40-40	10-4 3/4 (3169)	23 15/16" (608)
40-48-40	11-0 3/4 (3372)	23 15/16" (608)
40-52-40	11-4 3/4 (3473)	23 15/16" (608)
40-60-40	12-0 3/4 (3677)	23 15/16" (608)
40-68-40	12-8 3/4 (3880)	23 15/16" (608)

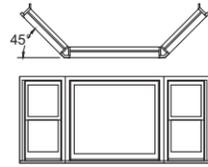
## 30° Ultimate Wood Double Hung Bay with Operator Center Unit



UNIT NO. (WIDTH)	ROUGH OPENING (WIDTH)	PROJECTION
16-16-16	5-3 3/16 (1605)	11 15/16" (304)
16-20-16	5-7 3/16 (1707)	11 15/16" (304)
16-24-16	5-11 3/16 (1808)	11 15/16" (304)
16-26-16	6-1 3/16 (1859)	11 15/16" (304)
16-28-16	6-3 3/16 (1910)	11 15/16" (304)
16-30-16	6-5 3/16 (1961)	11 15/16" (304)
16-32-16	6-7 3/16 (2012)	11 15/16" (304)
16-36-16	6-11 3/16 (2113)	11 15/16" (304)
16-40-16	7-3 3/16 (2215)	11 15/16" (304)
20-20-20	6-2 1/8 (1883)	13 15/16" (354)
20-24-20	6-6 1/8 (1985)	13 15/16" (354)
20-26-20	6-8 1/8 (2032)	13 15/16" (354)
20-28-20	6-10 1/8 (2086)	13 15/16" (354)
20-30-20	7-0 1/8 (2137)	13 15/16" (354)
20-32-20	7-2 1/8 (2188)	13 15/16" (354)
20-36-20	7-6 1/8 (2289)	13 15/16" (354)
20-40-20	7-10 1/8 (2391)	13 15/16" (354)
24-24-24	7-1 1/16 (2160)	15 15/16" (405)
24-26-24	7-3 1/16 (2211)	15 15/16" (405)
24-28-24	7-5 1/16 (2262)	15 15/16" (405)
24-30-24	7-7 1/16 (2313)	15 15/16" (405)
24-32-24	7-9 1/16 (2364)	15 15/16" (405)
24-36-24	8-1 1/16 (2465)	15 15/16" (405)
24-40-24	8-5 1/16 (2567)	15 15/16" (405)
26-26-26	7-6 1/2 (2299)	16 15/16" (431)
26-28-26	7-8 1/2 (2350)	16 15/16" (431)
26-30-26	7-10 1/2 (2401)	16 15/16" (431)
26-32-26	8-0 1/2 (2452)	16 15/16" (431)
26-36-26	8-4 1/2 (2553)	16 15/16" (431)
26-40-26	8-8 1/2 (2655)	16 15/16" (431)
28-28-28	8-0 (2438)	17 15/16" (456)
28-30-28	8-2 (2489)	17 15/16" (456)
28-32-28	8-4 (2540)	17 15/16" (456)
28-36-28	8-8 (2641)	17 15/16" (456)
28-40-28	9-0 (2743)	17 15/16" (456)
30-30-30	8-5 7/16 (2577)	18 15/16" (481)
30-32-30	8-7 7/16 (2628)	18 15/16" (481)
30-36-30	8-11 7/16 (2729)	18 15/16" (481)
30-40-30	9-3 7/16 (2831)	18 15/16" (481)
32-32-32	8-10 15/16 (2716)	19 15/16" (507)
32-36-32	9-2 15/16 (2817)	19 15/16" (507)
32-40-32	9-6 15/16 (2919)	19 15/16" (507)
36-36-36	9-9 27/32 (2993)	21 15/16" (558)
36-40-36	10-1 27/32 (3095)	21 15/16" (558)
40-40-40	10-8 3/4 (3271)	23 15/16" (608)

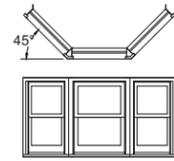
# Wood Double Hung Bay

## 45° Ultimate Wood Double Hung Bay with Picture Center Unit



UNIT NO. (WIDTH)	ROUGH OPENING (WIDTH)	PROJECTION
16-40-16	6-5 3/16 (1961)	17 3/8" (441)
16-48-16	7-1 3/16 (2164)	17 3/8" (441)
16-52-16	7-5 3/16 (2265)	17 3/8" (441)
16-60-16	8-1 3/16 (2469)	17 3/8" (441)
20-40-20	6-10 7/8 (2104)	20 3/16" (513)
20-48-20	7-6 7/8 (2307)	20 3/16" (513)
20-52-20	7-10 7/8 (2409)	20 3/16" (513)
20-60-20	8-6 7/8 (2612)	20 3/16" (513)
20-68-20	9-2 7/8 (2815)	20 3/16" (513)
24-40-24	7-4 1/2 (2248)	23 1/32" (585)
24-48-24	8-0 1/2 (2451)	23 1/32" (585)
24-52-24	8-4 1/2 (2553)	23 1/32" (585)
24-60-24	9-0 1/2 (2756)	23 1/32" (585)
24-68-24	9-8 1/2 (2959)	23 1/32" (585)
26-40-26	7-7 11/32 (2320)	24 7/16" (621)
26-48-26	8-3 11/32 (2523)	24 7/16" (621)
26-52-26	8-7 11/32 (2625)	24 7/16" (621)
26-60-26	9-3 11/32 (2828)	24 7/16" (621)
26-68-26	9-11 11/32 (3031)	24 7/16" (621)
28-40-28	7-10 3/16 (2392)	25 7/8" (656)
28-48-28	8-6 3/16 (2595)	25 7/8" (656)
28-52-28	8-10 3/16 (2696)	25 7/8" (656)
28-60-28	9-6 3/16 (2900)	25 7/8" (656)
28-68-28	10-2 3/16 (3103)	25 7/8" (656)
30-40-30	8-1 (2464)	27 9/32" (693)
30-48-30	8-9 (2667)	27 9/32" (693)
30-52-30	9-1 (2769)	27 9/32" (693)
30-60-30	9-9 (2972)	27 9/32" (693)
30-68-30	10-5 (3175)	27 9/32" (693)
32-40-32	8-3 13/16 (2535)	28 11/16" (729)
32-48-32	8-11 13/16 (2738)	28 11/16" (729)
32-52-32	9-3 13/16 (2840)	28 11/16" (729)
32-60-32	9-11 13/16 (3043)	28 11/16" (729)
32-68-32	10-7 13/16 (3246)	28 11/16" (729)
36-40-36	8-9 1/2 (2679)	31 1/2" (800)
36-48-36	9-5 1/2 (2882)	31 1/2" (800)
36-52-36	9-9 1/2 (2984)	31 1/2" (800)
36-60-36	10-5 1/2 (3187)	31 1/2" (800)
36-68-36	11-1 1/2 (3390)	31 1/2" (800)
40-40-40	9-3 1/8 (2823)	34 11/32" (872)
40-48-40	9-11 1/8 (3026)	34 11/32" (872)
40-52-40	10-3 1/8 (3127)	34 11/32" (872)
40-60-40	10-11 1/8 (3331)	34 11/32" (872)
40-68-40	11-7 1/8 (3534)	34 11/32" (872)

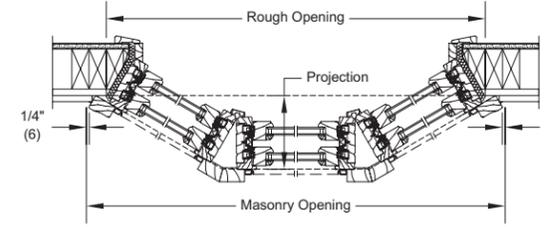
## 45° Ultimate Wood Double Hung Bay with Operator Center Unit



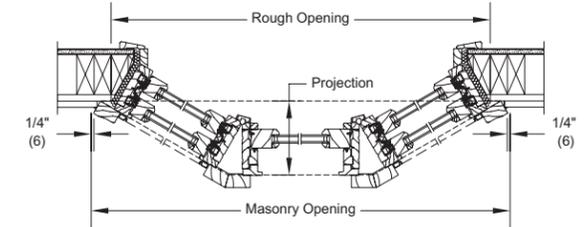
UNIT NO. (WIDTH)	ROUGH OPENING (WIDTH)	PROJECTION
16-16-16	4-9 3/16 (1453)	17 3/8" (441)
16-20-16	5-1 3/16 (1554)	17 3/8" (441)
16-24-16	5-5 3/16 (1656)	17 3/8" (441)
16-26-16	5-7 3/16 (1707)	17 3/8" (441)
16-28-16	5-9 3/16 (1758)	17 3/8" (441)
16-30-16	5-11 3/16 (1808)	17 3/8" (441)
16-32-16	6-1 3/16 (1859)	17 3/8" (441)
16-36-16	6-5 3/16 (1961)	17 3/8" (441)
16-40-16	6-9 3/16 (2062)	17 3/8" (441)
20-20-20	5-6 27/32 (1698)	20 3/16" (513)
20-24-20	5-10 27/32 (1800)	20 3/16" (513)
20-26-20	6-0 27/32 (1851)	20 3/16" (513)
20-28-20	6-2 27/32 (1901)	20 3/16" (513)
20-30-20	6-4 27/32 (1952)	20 3/16" (513)
20-32-20	6-6 27/32 (2003)	20 3/16" (513)
20-36-20	6-10 27/32 (2105)	20 3/16" (513)
20-40-20	7-2 27/32 (2206)	20 3/16" (513)
24-24-24	6-4 1/2 (1943)	23 1/32" (585)
24-26-24	6-6 1/2 (1994)	23 1/32" (585)
24-28-24	6-8 1/2 (2045)	23 1/32" (585)
24-30-24	6-10 1/2 (2096)	23 1/32" (585)
24-32-24	7-0 1/2 (2147)	23 1/32" (585)
24-36-24	7-4 1/2 (2248)	23 1/32" (585)
24-40-24	7-8 1/2 (2350)	23 1/32" (585)
26-26-26	6-9 11/32 (2066)	24 7/16" (621)
26-28-26	6-11 11/32 (2117)	24 7/16" (621)
26-30-26	7-1 11/32 (2168)	24 7/16" (621)
26-32-26	7-3 11/32 (2219)	24 7/16" (621)
26-36-26	7-7 11/32 (2320)	24 7/16" (621)
26-40-26	7-11 11/32 (2422)	24 7/16" (621)
28-28-28	7-2 3/16 (2189)	25 7/8" (657)
28-30-28	7-4 3/16 (2240)	25 7/8" (657)
28-32-28	7-6 3/16 (2290)	25 7/8" (657)
28-36-28	7-10 3/16 (2392)	25 7/8" (657)
28-40-28	8-2 3/16 (2494)	25 7/8" (657)
30-30-30	7-7 (2311)	27 9/32" (693)
30-32-30	7-9 (2362)	27 9/32" (693)
30-36-30	8-1 (2464)	27 9/32" (693)
30-40-30	8-5 (2565)	27 9/32" (693)
32-32-32	7-11 13/16 (2434)	28 11/16" (729)
32-36-32	8-3 13/16 (2536)	28 11/16" (729)
32-40-32	8-7 13/16 (2637)	28 11/16" (729)
36-36-36	8-9 1/2 (2679)	31 1/2" (800)
36-40-36	9-1 1/2 (2781)	31 1/2" (800)
40-40-40	9-7 1/8 (2925)	34 11/32" (872)

# Wood Double Hung Bay

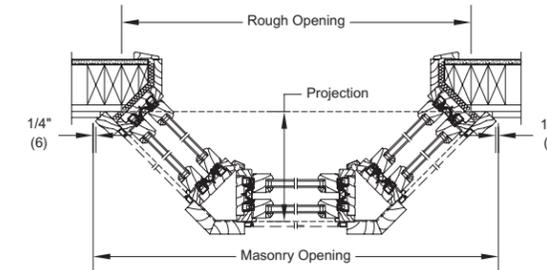
## Construction Details



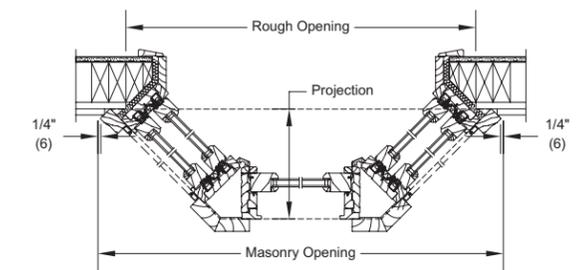
30° ULTIMATE WOOD DOUBLE HUNG BAY JAMB WITH OPERATOR CENTER UNIT



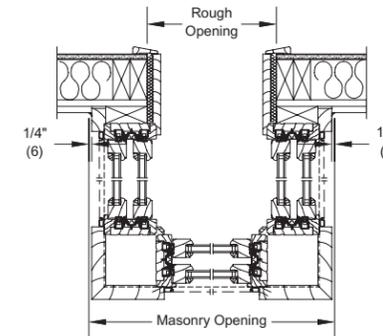
30° ULTIMATE WOOD DOUBLE HUNG BAY JAMB WITH PICTURE CENTER UNIT



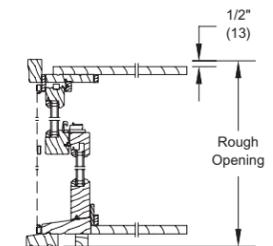
45° ULTIMATE WOOD DOUBLE HUNG BAY JAMB WITH OPERATOR CENTER UNIT



45° ULTIMATE WOOD DOUBLE HUNG BAY JAMB WITH PICTURE CENTER UNIT



90° ULTIMATE WOOD DOUBLE HUNG BAY JAMB WITH OPERATOR CENTER UNIT



ULTIMATE WOOD DOUBLE HUNG BAY HEAD JAMB AND SILL

### 90° Ultimate Double Hung Bay Formula

TO CALCULATE PROJECTION  
 OM of Flanker (width) PLUS 6 1/16" (154) = PROJECTION

TO CALCULATE ROUGH OPENING  
 OM of Center Unit(s) (width) PLUS 1 5/8" (41) = ROUGH OPENING width

### 60° Ultimate Double Hung Bay Formula

TO CALCULATE PROJECTION  
 Flanker GLASS SIZE (width) PLUS 9.3217 (237) x .86603 (22) = PROJECTION

TO CALCULATE ROUGH OPENING  
 PROJECTION x .57735 (15) MINUS 2.1251 (54) x 2 (51) PLUS 5.2684 (134) PLUS  
 Center Unit Sash Operating width = ROUGH OPENING width (Allows 1" (25) clearance)

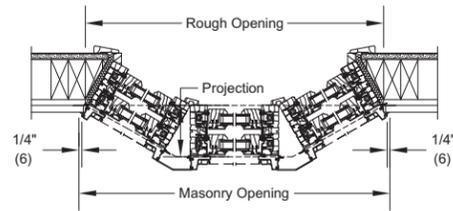
### Rough Opening Heights

UNIT NO. (HEIGHT)	ROUGH OPENING	
Side Unit No.	Center Unit No.	Height
16	38	3-6 3/16 (1073)
18	42	3-10 3/16 (1175)
20	46	4-2 3/16 (1276)
22	50	4-6 3/16 (1378)
24	54	4-10 3/16 (1480)
26	58	5-2 3/16 (1581)
28	62	5-6 3/16 (1683)
30	66	5-10 3/16 (1784)
32	70	6-2 3/16 (1886)
34	74	6-6 3/16 (1988)
36	78	6-10 3/16 (2089)

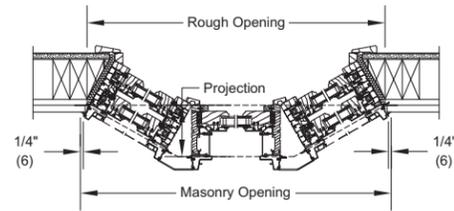
Details and Elevations not to scale.  
 • Above dimensions include head and seat boards.  
 If no head/seat board, deduct 11/16" (17) in rough opening height.  
 Please consult your local Marvin representative for more information.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Double Hung Bay G2

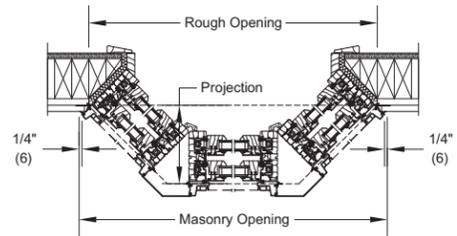
## Construction Details



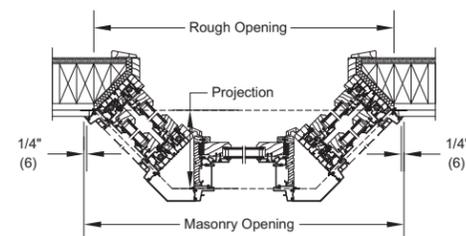
30° ULTIMATE DOUBLE HUNG G2 BAY JAMB DETAIL WITH OPERATOR CENTER UNIT



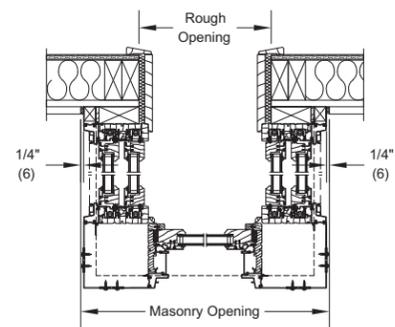
30° ULTIMATE DOUBLE HUNG G2 BAY JAMB DETAIL WITH PICTURE CENTER UNIT



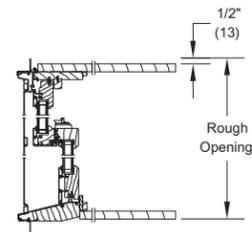
45° ULTIMATE DOUBLE HUNG G2 BAY JAMB DETAIL WITH OPERATOR CENTER UNIT



45° ULTIMATE DOUBLE HUNG G2 BAY JAMB DETAIL WITH PICTURE CENTER UNIT



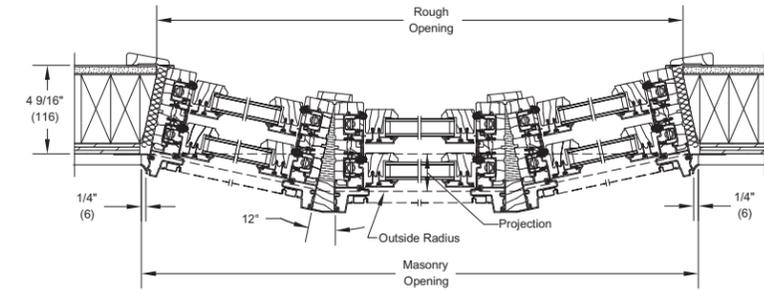
90° ULTIMATE DOUBLE HUNG G2 BAY JAMB DETAIL WITH PICTURE CENTER UNIT



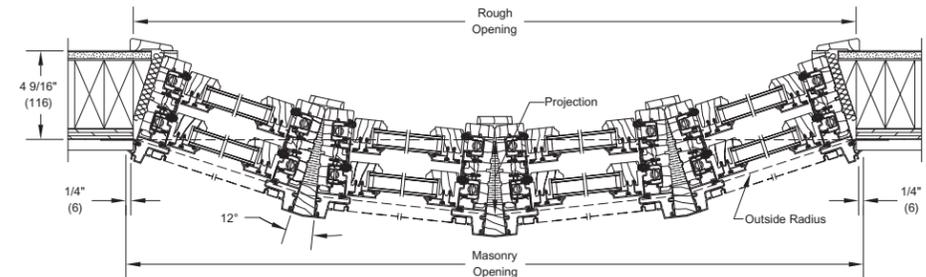
ULTIMATE DOUBLE HUNG G2 BAY HEAD JAMB AND SILL DETAIL

# Double Hung Bow G2

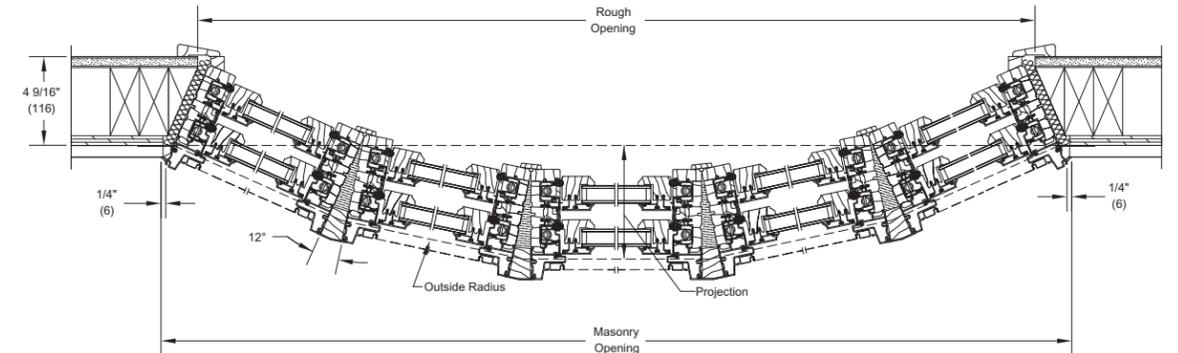
## Construction Details



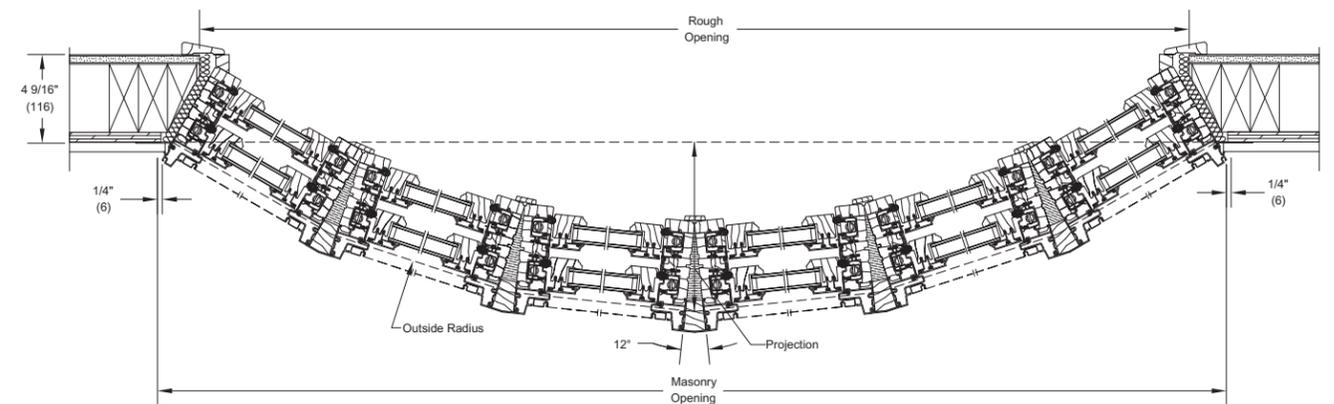
JAMB DETAIL - 3 WIDE



JAMB DETAIL - 4 WIDE



JAMB DETAIL - 5 WIDE



JAMB DETAIL - 6 WIDE

## Wood Casement / Wood Casement Push Out

MO (mm)	1 - 7 5/8 (498)	1 - 9 5/8 (549)	1 - 11 5/8 (600)	2 - 3 5/8 (702)	2 - 5 5/8 (752)	2 - 7 5/8 (803)	2 - 9 5/8 (854)	2 - 11 5/8 (905)	3 - 3 5/8 (1006)	3 - 7 5/8 (1108)
RO (mm)	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (685)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)	3 - 1 (939)	3 - 5 (1041)
FS (mm)	1 - 4 (406)	1 - 6 (457)	1 - 8 (508)	2 - 0 (609)	2 - 2 (660)	2 - 4 (711)	2 - 6 (762)	2 - 8 (812)	3 - 0 (914)	3 - 4 (1016)
DLO (mm)	0 - 10 3/16 (259)	1 - 0 3/16 (310)	1 - 2 3/16 (360)	1 - 6 3/16 (462)	1 - 8 3/16 (513)	1 - 10 3/16 (564)	2 - 0 3/16 (614)	2 - 2 3/16 (665)	2 - 6 3/16 (767)	2 - 10 3/16 (868)

1 - 3 7/8 (403) 1 - 2 9/16 (370) 1 - 2 1/16 (357) 0 - 7 21/64 (186)										
1 - 5 7/8 (454) 1 - 4 9/16 (421) 1 - 4 1/16 (408) 0 - 9 21/64 (237)										
1 - 7 7/8 (505) 1 - 6 9/16 (472) 1 - 6 1/16 (459) 0 - 11 21/64 (288)										
1 - 9 7/8 (556) 1 - 8 9/16 (522) 1 - 8 1/16 (510) 1 - 1 21/64 (339)										
2 - 1 7/8 (657) 2 - 9/16 (624) 2 - 1/16 (611) 1 - 5 21/64 (440)										
2 - 5 7/8 (759) 2 - 4 9/16 (725) 2 - 4 1/16 (713) 1 - 9 21/64 (542)										
2 - 9 7/8 (860) 2 - 8 9/16 (827) 2 - 8 1/16 (814) 2 - 1 21/64 (643)										
3 - 1 7/8 (962) 3 - 9/16 (929) 3 - 1/16 (916) 2 - 5 21/64 (745)										

Details and Elevations not to scale.

- Marvin exclusive wash mode is not available on Ultimate Awnings, Ultimate Casement Round Tops or Ultimate Casement Windows less than 20" in width.
  - Ultimate Wood Casement Push Out not available in frame size heights less than 16 1/16".
  - For units with a tall bottom rail, reduce the DLO height by 1 1/2".
- E These windows meet national Egress codes for fire evacuation. Local codes may differ. Please consult your local Marvin representative for more information. For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

**ULTIMATE WOOD CASEMENT: UWCA**  
**ULTIMATE WOOD CASEMENT PUSH OUT: UWCAPO**

## Wood Casement / Wood Casement Push Out

MO (mm)	1 - 7 5/8 (498)	1 - 9 5/8 (549)	1 - 11 5/8 (600)	2 - 3 5/8 (702)	2 - 5 5/8 (752)	2 - 7 5/8 (803)	2 - 9 5/8 (854)	2 - 11 5/8 (905)	3 - 3 5/8 (1006)	3 - 7 5/8 (1108)
RO (mm)	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (685)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)	3 - 1 (939)	3 - 5 (1041)
FS (mm)	1 - 4 (406)	1 - 6 (457)	1 - 8 (508)	2 - 0 (609)	2 - 2 (660)	2 - 4 (711)	2 - 6 (762)	2 - 8 (812)	3 - 0 (914)	3 - 4 (1016)
DLO (mm)	0 - 10 3/16 (259)	1 - 0 3/16 (310)	1 - 2 3/16 (360)	1 - 6 3/16 (462)	1 - 8 3/16 (513)	1 - 10 3/16 (564)	2 - 0 3/16 (614)	2 - 2 3/16 (665)	2 - 6 3/16 (767)	2 - 10 3/16 (868)

3 - 5 7/8 (1064) 3 - 4 9/16 (1030) 3 - 4 1/16 (1018) 2 - 9 21/64 (847)										
3 - 9 7/8 (1165) 3 - 8 9/16 (1132) 3 - 8 1/16 (1119) 3 - 1 21/64 (948)										
4 - 1 7/8 (1267) 4 - 9/16 (1233) 4 - 1/16 (1221) 3 - 5 21/64 (1050)										
4 - 5 7/8 (1419) 4 - 6 9/16 (1386) 4 - 6 1/16 (1373) 3 - 11 21/64 (1202)										
4 - 9 7/8 (1470) 4 - 8 9/16 (1437) 4 - 8 1/16 (1424) 4 - 1 21/64 (1253)										
5 - 1 7/8 (1572) 5 - 9/16 (1538) 5 - 1/16 (1526) 4 - 5 21/64 (1355)										
5 - 5 7/8 (1673) 5 - 4 9/16 (1640) 5 - 4 1/16 (1627) 4 - 9 21/64 (1456)										

Details and Elevations not to scale.

- Marvin exclusive wash mode is not available on Ultimate Awnings, Ultimate Casement Round Tops or Ultimate Casement Windows less than 20" in width.
  - For units with a tall bottom rail, reduce the DLO height by 1 1/2".
- E These windows meet national Egress codes for fire evacuation. Local codes may differ. For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 72 1/16" or larger and units with a frame size of 25.2 ft² and larger. Please consult your local Marvin representative for more information. For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

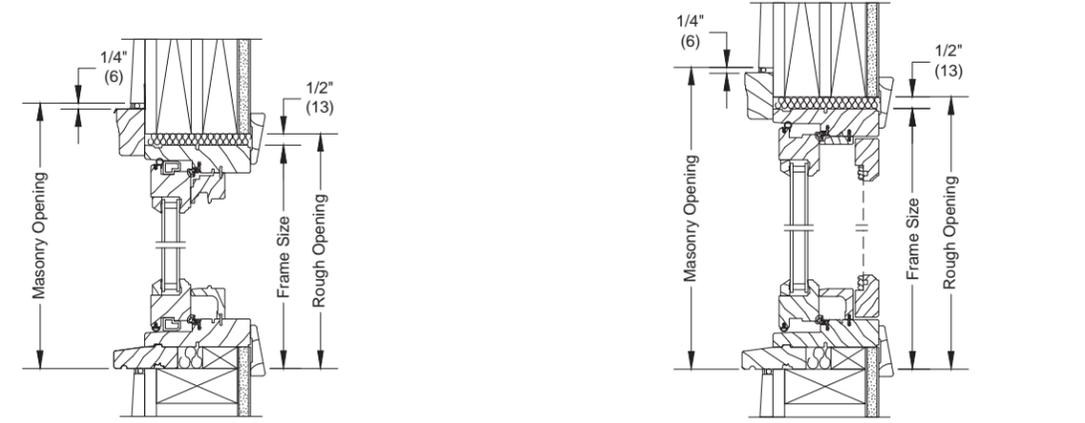
# Wood Casement / Wood Casement Push Out

MO (mm)	1 - 7 5/8 (498)	1 - 9 5/8 (549)	1 - 11 5/8 (600)	2 - 3 5/8 (702)	2 - 5 5/8 (752)	2 - 7 5/8 (803)	2 - 9 5/8 (854)	2 - 11 5/8 (905)	3 - 3 5/8 (1006)	3 - 7 5/8 (1108)
RO (mm)	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (685)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)	3 - 1 (939)	3 - 5 (1041)
FS (mm)	1 - 4 (406)	1 - 6 (457)	1 - 8 (508)	2 - 0 (609)	2 - 2 (660)	2 - 4 (711)	2 - 6 (762)	2 - 8 (812)	3 - 0 (914)	3 - 4 (1016)
DLO (mm)	0 - 10 3/16 (259)	1 - 0 3/16 (310)	1 - 2 3/16 (360)	1 - 6 3/16 (462)	1 - 8 3/16 (513)	1 - 10 3/16 (564)	2 - 0 3/16 (614)	2 - 2 3/16 (665)	2 - 6 3/16 (767)	2 - 10 3/16 (868)

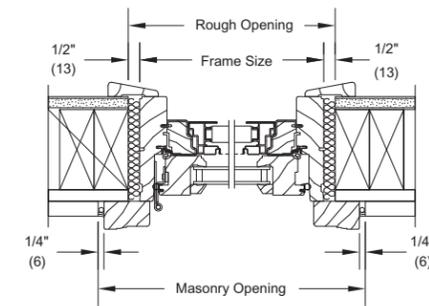
6 - 1 7/8 (1876)										
6 - 9/16 (1843)	UWCA1672 T	UWCA1872 T	UWCA2072 T	UWCA2472 T	UWCA2672 T	UWCA2872 ET	UWCA3072 ET	UWCA3272 ET	UWCA3672 ET	UWCA4072 ET
6 - 1/16 (1830)	UWCAPO1672 T	UWCAPO1872 T	UWCAPO2072 T	UWCAPO2472 T	UWCAPO2672 T	UWCAPO2872 ET	UWCAPO3072 ET	UWCAPO3272 ET	UWCAPO3672 ET	UWCAPO4072 ET
5 - 5 21/64 (1659)										
6 - 7 7/8 (2029)										
6 - 6 9/16 (1995)	UWCA1678 T	UWCA1878 T	UWCA2078 T	UWCA2478 T	UWCA2678 T	UWCA2878 ET	UWCA3078 ET	UWCA3278 ET	UWCA3678 ET	UWCA4078 ET
6 - 6 1/16 (1983)	UWCAPO1678 T	UWCAPO1878 T	UWCAPO2078 T	UWCAPO2478 T	UWCAPO2678 T	UWCAPO2878 ET	UWCAPO3078 ET	UWCAPO3278 ET	UWCAPO3678 ET	UWCAPO4078 ET
5 - 11 21/64 (1812)										
7 - 1 7/8 (2181)										
7 - 9/16 (2148)	UWCA1684 T	UWCA1884 T	UWCA2084 T	UWCA2484 T	UWCA2684 T	UWCA2884 ET	UWCA3084 ET	UWCA3284 ET	UWCA3684 ET	UWCA4084 ET
7 - 1/16 (2135)	UWCAPO1684 T	UWCAPO1884 T	UWCAPO2084 T	UWCAPO2484 T	UWCAPO2684 T	UWCAPO2884 ET	UWCAPO3084 ET	UWCAPO3284 ET	UWCAPO3684 ET	UWCAPO4084 ET
6 - 5 21/64 (1964)										
7 - 9 7/8 (2384)										
7 - 8 9/16 (2351)	UWCA1692 T	UWCA1892 T	UWCA2092 T	UWCA2492 T	UWCA2692 T	UWCA2892 ET	UWCA3092 ET	UWCA3292 ET	UWCA3692 ET	UWCA4092 ET
7 - 8 1/16 (2338)	UWCAPO1692 T	UWCAPO1892 T	UWCAPO2092 T	UWCAPO2492 T	UWCAPO2692 T	UWCAPO2892 ET	UWCAPO3092 ET	UWCAPO3292 ET	UWCAPO3692 ET	UWCAPO4092 ET
7 - 5 21/64 (2167)										
8 - 1 7/8 (2486)										
8 - 9/16 (2453)	UWCA1696 T	UWCA1896 T	UWCA2096 T	UWCA2496 T	UWCA2696 T	UWCA2896 ET	UWCA3096 ET	UWCA3296 ET	UWCA3696 ET	
8 - 1/16 (2440)	UWCAPO1696 T	UWCAPO1896 T	UWCAPO2096 T	UWCAPO2496 T	UWCAPO2696 T	UWCAPO2896 ET	UWCAPO3096 ET	UWCAPO3296 ET	UWCAPO3696 ET	
7 - 5 21/64 (2269)										

# Wood Casement / Wood Casement Push Out

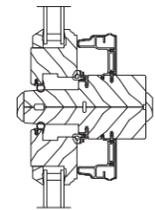
## Construction Details



CRANKOUT HEAD JAMB AND SILL - OPERATOR WITH OPTIONAL SCREEN



JAMB - OPERATOR



HORIZONTAL MULLION OPERATOR

# Casement / Casement Push Out

<b>MO (mm)</b>	1 - 4 1/2 (419)	1 - 6 1/2 (469)	1 - 8 1/2 (520)	2 - 1/2 (622)	2 - 2 1/2 (673)	2 - 4 1/2 (723)	2 - 6 1/2 (774)	2 - 8 1/2 (825)	3 - 1/2 (927)	3 - 4 1/2 (1028)
<b>RO (mm)</b>	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (685)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)	3 - 1 (939)	3 - 5 (1041)
<b>FS (mm)</b>	1 - 4 (406)	1 - 6 (457)	1 - 8 (508)	2 - 0 (609)	2 - 2 (660)	2 - 4 (711)	2 - 6 (762)	2 - 8 (812)	3 - 0 (914)	3 - 4 (1016)
<b>DLO (mm)</b>	0 - 10 13/64 (259)	1 - 0 13/64 (310)	1 - 2 13/64 (361)	1 - 6 13/64 (462)	1 - 8 13/64 (513)	1 - 10 13/64 (564)	2 - 0 13/64 (615)	2 - 2 13/64 (666)	2 - 6 13/64 (767)	2 - 10 13/64 (869)

1 - 1 3/8 (399)										
1 - 1 5/8 (346)										
1 - 3 3/8 (390)										
1 - 3 5/8 (396)										
1 - 3 7/8 (384)										
0 - 7 21/64 (186)										
1 - 3 3/8 (390)										
1 - 3 5/8 (396)										
1 - 3 7/8 (384)										
0 - 9 21/64 (237)										
1 - 5 3/8 (441)										
1 - 5 5/8 (447)										
1 - 5 7/8 (434)										
0 - 11 21/64 (288)										
1 - 5 3/8 (441)										
1 - 5 5/8 (447)										
1 - 5 7/8 (434)										
0 - 11 21/64 (288)										
1 - 7 3/8 (492)										
1 - 7 5/8 (498)										
1 - 7 7/8 (485)										
1 - 1 21/64 (339)										
1 - 7 3/8 (492)										
1 - 7 5/8 (498)										
1 - 7 7/8 (485)										
1 - 1 21/64 (339)										
1 - 11 3/8 (593)										
1 - 11 5/8 (600)										
1 - 11 7/8 (587)										
1 - 5 21/64 (440)										
1 - 11 3/8 (593)										
1 - 11 5/8 (600)										
1 - 11 7/8 (587)										
1 - 5 21/64 (440)										
2 - 3 3/8 (695)										
2 - 3 5/8 (701)										
2 - 3 7/8 (688)										
1 - 9 21/64 (542)										
2 - 3 3/8 (695)										
2 - 3 5/8 (701)										
2 - 3 7/8 (688)										
1 - 9 21/64 (542)										
2 - 7 3/8 (796)										
2 - 7 5/8 (803)										
2 - 7 7/8 (790)										
2 - 1 21/64 (643)										
2 - 7 3/8 (796)										
2 - 7 5/8 (803)										
2 - 7 7/8 (790)										
2 - 1 21/64 (643)										
2 - 11 3/8 (898)										
2 - 11 5/8 (904)										
2 - 11 7/8 (892)										
2 - 5 21/64 (745)										
2 - 11 3/8 (898)										
2 - 11 5/8 (904)										
2 - 11 7/8 (892)										
2 - 5 21/64 (745)										
3 - 3 3/8 (1000)										
3 - 3 5/8 (1006)										
3 - 3 7/8 (993)										
2 - 9 21/64 (847)										
3 - 3 3/8 (1000)										
3 - 3 5/8 (1006)										
3 - 3 7/8 (993)										
2 - 9 21/64 (847)										

**ULTIMATE CASEMENT: UCA**  
**ULTIMATE CASEMENT PUSH OUT: UCAPO**

Details and Elevations not to scale.

- Marvin exclusive wash mode is not available on Ultimate Awnings, Ultimate Casement Round Tops or Ultimate Casement Windows less than 20" in width.
- Ultimate Casement Push Out not available in frame size heights less than 15 1/8"
- For units with a tall bottom rail, reduce the DLO height by 1 1/2".

E These windows meet national Egress codes for fire evacuation. Local codes may differ.  
 T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with a frame size of 25.2 ft² and larger.  
 Please consult your local Marvin representative for more information.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Casement / Casement Push Out

<b>MO (mm)</b>	1 - 4 1/2 (419)	1 - 6 1/2 (469)	1 - 8 1/2 (520)	2 - 1/2 (622)	2 - 2 1/2 (673)	2 - 4 1/2 (723)	2 - 6 1/2 (774)	2 - 8 1/2 (825)	3 - 1/2 (927)	3 - 4 1/2 (1028)
<b>RO (mm)</b>	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (685)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)	3 - 1 (939)	3 - 5 (1041)
<b>FS (mm)</b>	1 - 4 (406)	1 - 6 (457)	1 - 8 (508)	2 - 0 (609)	2 - 2 (660)	2 - 4 (711)	2 - 6 (762)	2 - 8 (812)	3 - 0 (914)	3 - 4 (1016)
<b>DLO (mm)</b>	0 - 10 13/64 (259)	1 - 0 13/64 (310)	1 - 2 13/64 (361)	1 - 6 13/64 (462)	1 - 8 13/64 (513)	1 - 10 13/64 (564)	2 - 0 13/64 (615)	2 - 2 13/64 (666)	2 - 6 13/64 (767)	2 - 10 13/64 (869)

3 - 7 3/8 (1101)										
3 - 7 5/8 (1108)										
3 - 7 7/8 (1095)										
3 - 1 21/64 (948)										
3 - 7 3/8 (1101)										
3 - 7 5/8 (1108)										
3 - 7 7/8 (1095)										
3 - 1 21/64 (948)										
3 - 11 3/8 (1203)										
3 - 11 5/8 (1209)										
3 - 11 7/8 (1196)										
3 - 5 21/64 (1050)										
3 - 11 3/8 (1203)										
3 - 11 5/8 (1209)										
3 - 11 7/8 (1196)										
3 - 5 21/64 (1050)										
4 - 5 3/8 (1355)										
4 - 5 5/8 (1362)										
4 - 5 7/8 (1349)										
3 - 11 21/64 (1202)										
4 - 5 3/8 (1355)										
4 - 5 5/8 (1362)										
4 - 5 7/8 (1349)										
3 - 11 21/64 (1202)										
4 - 7 3/8 (1406)										
4 - 7 5/8 (1412)										
4 - 7 7/8 (1400)										
4 - 1 21/64 (1253)										
4 - 7 3/8 (1406)										
4 - 7 5/8 (1412)										
4 - 7 7/8 (1400)										
4 - 1 21/64 (1253)										
4 - 11 3/8 (1508)										
4 - 11 5/8 (1514)										
4 - 11 7/8 (1501)										
4 - 5 21/64 (1355)										
4 - 11 3/8 (1508)										

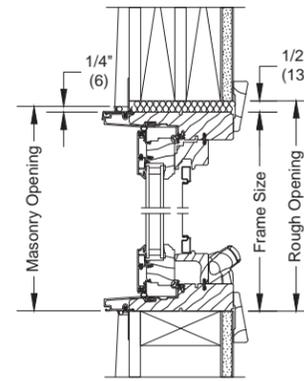
# Casement / Casement Push Out

<b>MO (mm)</b>	1 - 4 1/2 (419)	1 - 6 1/2 (469)	1 - 8 1/2 (520)	2 - 1/2 (622)	2 - 2 1/2 (673)	2 - 4 1/2 (723)	2 - 6 1/2 (774)	2 - 8 1/2 (825)	3 - 1/2 (927)	3 - 4 1/2 (1028)
<b>RO (mm)</b>	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (685)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)	3 - 1 (939)	3 - 5 (1041)
<b>FS (mm)</b>	1 - 4 (406)	1 - 6 (457)	1 - 8 (508)	2 - 0 (609)	2 - 2 (660)	2 - 4 (711)	2 - 6 (762)	2 - 8 (812)	3 - 0 (914)	3 - 4 (1016)
<b>DLO (mm)</b>	0 - 10 13/64 (259)	1 - 0 13/64 (310)	1 - 2 13/64 (361)	1 - 6 13/64 (462)	1 - 8 13/64 (513)	1 - 10 13/64 (564)	2 - 0 13/64 (615)	2 - 2 13/64 (666)	2 - 6 13/64 (767)	2 - 10 13/64 (869)

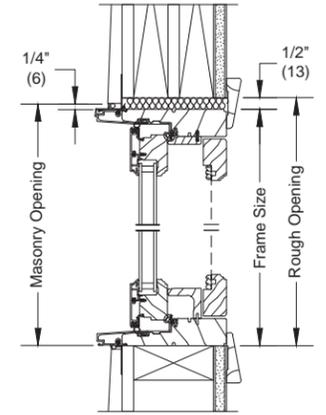
6 - 5 3/8 (1965) 6 - 5 5/8 (1871) 6 - 5 1/8 (1958) 5 - 11 21/64 (1812)										
UCA1678 T UCAPO1678 T	UCA1878 T UCAPO1878 T	UCA2078 T UCAPO2078 T	UCA2478 T UCAPO2478 T	UCA2678 T UCAPO2678 T	UCA2878 ET UCAPO2878 ET	UCA3078 ET UCAPO3078 ET	UCA3278 ET UCAPO3278 ET	UCA3678 ET UCAPO3678 ET	UCA4078 ET UCAPO4078 ET	
6 - 11 3/8 (2117) 6 - 11 5/8 (2124) 6 - 11 1/8 (2111) 6 - 5 21/64 (1964)										
UCA1684 T UCAPO1684 T	UCA1884 T UCAPO1884 T	UCA2084 T UCAPO2084 T	UCA2484 UCAPO2484	UCA2684 T UCAPO2684 T	UCA2884 ET UCAPO2884 ET	UCA3084 ET UCAPO3084 ET	UCA3284 ET UCAPO3284 ET	UCA3684 ET UCAPO3684 ET	UCA4084 ET UCAPO4084 ET	
7 - 7 3/8 (2320) 7 - 7 5/8 (2327) 7 - 7 1/8 (2314) 7 - 1 21/64 (2167)										
UCA1692 T UCAPO1692 T	UCA1892 T UCAPO1892 T	UCA2092 T UCAPO2092 T	UCA2492 T UCAPO2492 T	UCA2692 T UCAPO2692 T	UCA2892 ET UCAPO2892 ET	UCA3092 ET UCAPO3092 ET	UCA3292 ET UCAPO3292 ET	UCA3692 ET UCAPO3692 ET	UCA4092 ET UCAPO4092 ET	
7 - 11 3/8 (2422) 7 - 11 5/8 (2428) 7 - 11 1/8 (2416) 7 - 5 21/64 (2269)										
UCA1696 T UCAPO1696 T	UCA1896 T UCAPO1896 T	UCA2096 T UCAPO2096 T	UCA2496 T UCAPO2496 T	UCA2696 T UCAPO2696 T	UCA2896 ET UCAPO2896 ET	UCA3096 ET UCAPO3096 ET	UCA3296 ET UCAPO3296 ET	UCA3696 ET UCAPO3696 ET		

# Casement / Casement Push Out

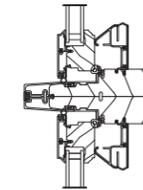
## Construction Details



CRANK OUT  
HEAD JAMB AND SILL - OPERATOR  
WITH SWINGING SCREEN



PUSH OUT  
HEAD JAMB AND SILL - OPERATOR  
WITH SWINGING SCREEN

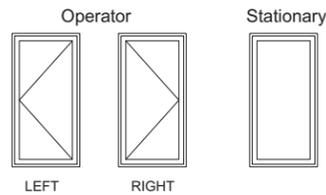


HORIZONTAL MULLION  
OPERATOR

## Construction Details

Casements available as an operator or stationary.

L or R handing determined from exterior.



## Casement Standard Operation As Viewed From The Outside



## Wood French Casement / Wood French Casement Push Out

<b>MO (mm)</b>	3 - 3 5/8 (1007)	3 - 7 5/8 (1108)	4 - 3 5/8 (1311)	4 - 11 5/8 (1515)	5 - 3 5/8 (1616)
<b>RO (mm)</b>	3 - 1 (940)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)
<b>FS (mm)</b>	3 - 0 (914)	3 - 4 (1016)	4 - 0 (1219)	4 - 8 (1422)	5 - 0 (1524)
<b>DLO (mm)</b>	1 - 0 55/64 (327)	1 - 2 55/64 (378)	1 - 6 55/64 (479)	1 - 10 55/64 (581)	2 - 0 55/64 (632)

2 - 9 7/8 (660) 2 - 8 9/16 (627) 2 - 8 1/16 (614) 2 - 1 12/64 (643)	 UWFCAP03632	 UWFCA4032 UWFCAP04032	 UWFCAP04832 E	 UWFCAS632 E UWFCAP05632 E	 UWFCAS632 E UWFCAP06032 E
3 - 1 7/8 (662) 3 - 9/16 (929) 3 - 1/16 (916) 2 - 5 21/64 (745)	 UWFCAP03636	 UWFCAP04036 E	 UWFCAP04836 E	 UWFCAS636 E UWFCAP05636 E	 UWFCAS636 E UWFCAP06036 E
3 - 5 7/8 (1064) 3 - 4 9/16 (1030) 3 - 4 1/16 (1018) 2 - 9 21/64 (847)	 UWFCAP03640	 UWFCAP04040 E	 UWFCAP04840 E	 UWFCAS640 E UWFCAP05640 E	 UWFCAS640 E UWFCAP06040 E
3 - 9 7/8 (1165) 3 - 8 9/16 (1132) 3 - 8 1/16 (1119) 3 - 1 21/64 (948)	 UWFCAP03644	 UWFCAP04044 E	 UWFCAP04844 E	 UWFCAS644 E UWFCAP05644 E	 UWFCAS644 E UWFCAP06044 E
4 - 1 7/8 (1267) 4 - 9/16 (1234) 4 - 1/16 (1221) 3 - 5 21/64 (1050)	 UWFCAP03648 E	 UWFCAP04048 E	 UWFCAP04848 E	 UWFCAS648 E UWFCAP05648 E	 UWFCAS648 E UWFCAP06048 E
4 - 7 7/8 (1419) 4 - 6 9/16 (1386) 4 - 6 1/16 (1373) 3 - 11 21/64 (1202)	 UWFCAP03654 E	 UWFCAP04054 E	 UWFCAP04854 E	 UWFCAS654 E UWFCAP05654 E	 UWFCAS654 E UWFCAP06054 E

## Wood French Casement / Wood French Casement Push Out

<b>MO (mm)</b>	3 - 3 5/8 (1007)	3 - 7 5/8 (1108)	4 - 3 5/8 (1108)	4 - 11 5/8 (1515)	5 - 3 5/8 (1616)
<b>RO (mm)</b>	3 - 1 (940)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)
<b>FS (mm)</b>	3 - 0 (914)	3 - 4 (1016)	4 - 0 (1219)	4 - 8 (1422)	5 - 0 (1524)
<b>DLO (mm)</b>	1 - 0 55/64 (327)	1 - 2 55/64 (378)	1 - 6 55/64 (479)	1 - 10 55/64 (581)	2 - 0 55/64 (632)

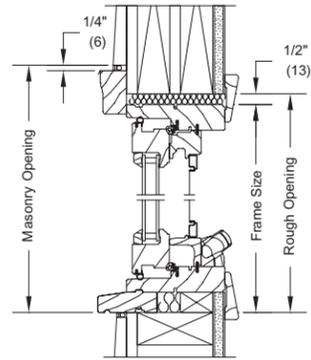
4 - 9 7/8 (1470) 4 - 8 9/16 (1437) 4 - 8 1/16 (1424) 4 - 1 21/64 (1253)	 UWFCAP03656 E	 UWFCAS656 E UWFCAP04056 E	 UWFCAS656 E UWFCAP04856 E	 UWFCAS656 E UWFCAP05656 E	 UWFCAS656 E UWFCAP06056 E
5 - 1 7/8 (1572) 5 - 9/16 (1538) 5 - 1/16 (1526) 4 - 5 21/64 (1355)	 UWFCAP03660 E	 UWFCAP04060 E	 UWFCAP04860 E	 UWFCAP05660 E	 UWFCAP06060 E
5 - 5 7/8 (1673) 5 - 4 9/16 (1640) 5 - 4 1/16 (1627) 4 - 9 21/64 (1456)	 UWFCAP03664 E	 UWFCAP04064 E	 UWFCAP04864 E	 UWFCAP05664 E	 UWFCAP06064 E
6 - 1 7/8 (1876) 6 - 9/16 (1843) 6 - 1/16 (1830) 5 - 5 21/64 (1659)	 UWFCAP03672 ET	 UWFCAS672 ET UWFCAP04072 ET	 UWFCAS672 ET UWFCAP04872 ET	 UWFCAS672 ET UWFCAP05672 ET	 UWFCAS672 ET UWFCAP06072 ET

Details and Elevations not to scale.  
 E These windows meet national Egress codes for fire evacuation. Local codes may differ.  
 T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 72 1/16" or larger and units with a frame size of 25.2 ft² and larger. Please consult your local Marvin representative for more information.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

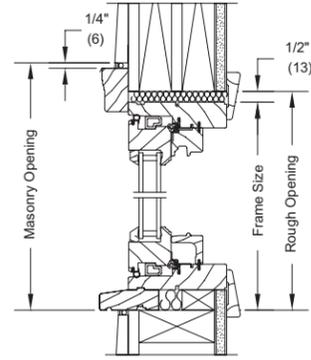
**ULTIMATE WOOD FRENCH CASEMENT: UWFCA**  
**ULTIMATE WOOD FRENCH CASEMENT PUSH OUT: UWFCAP0**

# Wood French Casement

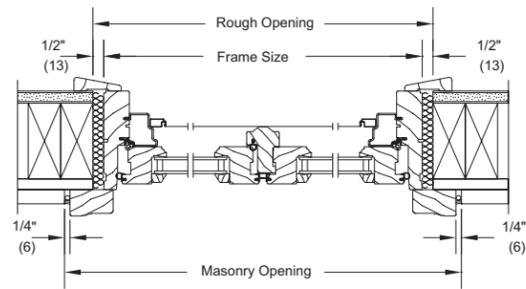
## Construction Details



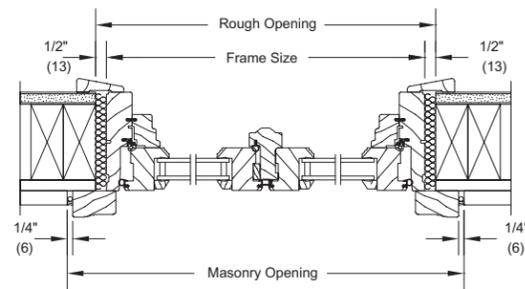
HEAD JAMB AND SILL - OPERATOR



HEAD JAMB AND SILL - STATIONARY



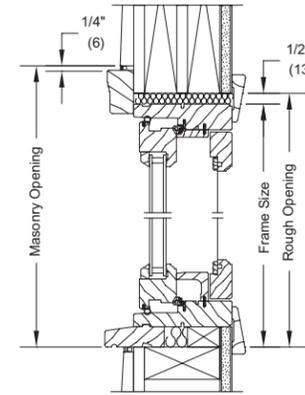
JAMB - OPERATOR



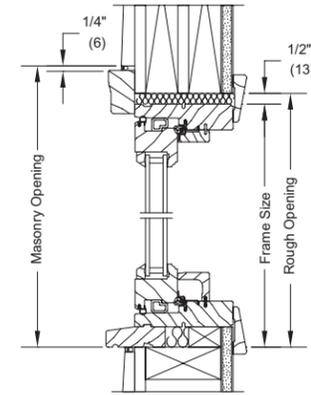
JAMB - STATIONARY

# Wood French Casement Push Out

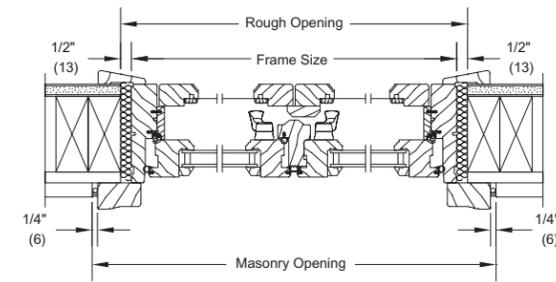
## Construction Details



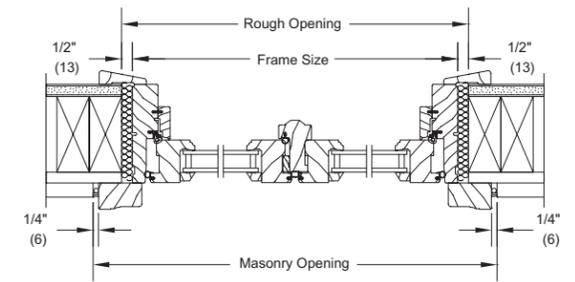
HEAD JAMB AND SILL - OPERATOR WITH SCREEN OPTION



HEAD JAMB AND SILL - STATIONARY



JAMB - OPERATOR WITH SCREEN OPTION



JAMB - STATIONARY

## French Casement / French Casement Push Out

MO (mm)	3 - 0 1/2 (927)	3 - 4 1/2 (1029)	4 - 0 1/2 (1232)	4 - 8 1/2 (1435)	5 - 0 1/2 (1537)
RO (mm)	3 - 1 (940)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)
FS (mm)	3 - 0 (914)	3 - 4 (1016)	4 - 0 (1219)	4 - 8 (1422)	5 - 0 (1524)
DLO (mm)	1 - 0 55/64 (327)	1 - 2 55/64 (378)	1 - 6 55/64 (479)	1 - 10 55/64 (581)	12 - 0 55/64 (632)
2 - 7 3/8 (797) 2 - 7 5/8 (803) 2 - 7 1/8 (791) 2 - 2 9/32 (668)	 UFCAPO3632	 UFCA4032 UFCAPO4032	 UFCA4832 E UFCAPO4832 E	 UFCA5632 E UFCAPO5632 E	 UFCA6032 E UFCAPO6032 E
2 - 11 3/8 (899) 2 - 11 5/8 (905) 2 - 11 1/8 (892) 2 - 6 9/32 (769)	 UFCAPO3636	 UFCA4036 UFCAPO4036	 UFCA4836 E UFCAPO4836 E	 UFCA5636 E UFCAPO5636 E	 UFCA6036 E UFCAPO6036 E
3 - 3 3/8 (1000) 3 - 3 5/8 (1006) 3 - 3 1/8 (994) 2 - 10 9/32 (871)	 UFCAPO3640	 UFCA4040 E UFCAPO4040 E	 UFCA4840 E UFCAPO4840 E	 UFCA5640 E UFCAPO5640 E	 UFCA6040 E UFCAPO6040 E
3 - 7 3/8 (1102) 3 - 7 5/8 (1108) 3 - 7 1/8 (1095) 3 - 2 9/32 (972)	 UFCAPO3644	 UFCA4044 E UFCAPO4044 E	 UFCA4844 E UFCAPO4844 E	 UFCA5644 E UFCAPO5644 E	 UFCA6044 E UFCAPO6044 E
3 - 11 3/8 (1203) 3 - 11 5/8 (1210) 3 - 11 1/8 (1197) 3 - 6 9/32 (1074)	 UFCAPO3648 E	 UFCA4048 E UFCAPO4048 E	 UFCA4848 E UFCAPO4848 E	 UFCA5648 E UFCAPO5648 E	 UFCA6048 E UFCAPO6048 E
4 - 5 3/8 (1356) 4 - 5 5/8 (1362) 4 - 5 1/8 (1349) 4 - 0 9/32 (1226)	 UFCAPO3654 E	 UFCA4054 E UFCAPO4054 E	 UFCA4854 E UFCAPO4854 E	 UFCA5654 E UFCAPO5654 E	 UFCA6054 E UFCAPO6054 E

## French Casement / French Casement Push Out

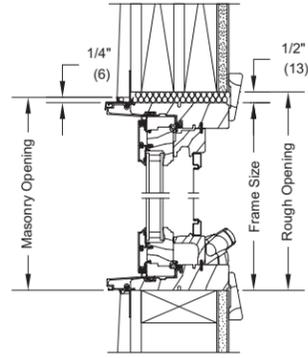
MO (mm)	3 - 0 1/2 (927)	3 - 4 1/2 (1029)	4 - 0 1/2 (1232)	4 - 8 1/2 (1435)	5 - 0 1/2 (1537)
RO (mm)	3 - 1 (940)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)
FS (mm)	3 - 0 (914)	3 - 4 (1016)	4 - 0 (1219)	4 - 8 (1422)	5 - 0 (1524)
DLO (mm)	1 - 0 55/64 (327)	1 - 2 55/64 (378)	1 - 6 55/64 (479)	1 - 10 55/64 (581)	12 - 0 55/64 (632)
4 - 7 3/8 (1407) 4 - 7 5/8 (1413) 4 - 7 1/8 (1400) 4 - 2 9/32 (1277)	 UFCAPO3656 E	 UFCA4056 E UFCAPO4056 E	 UFCA4856 E UFCAPO4856 E	 UFCA5656 E UFCAPO5656 E	 UFCA6056 E UFCAPO6056 E
4 - 11 3/8 (1508) 4 - 11 5/8 (1514) 4 - 11 1/8 (1502) 4 - 6 9/32 (1379)	 UFCAPO3660 E	 UFCA4060 E UFCAPO4060 E	 UFCA4860 E UFCAPO4860 E	 UFCA5660 E UFCAPO5660 E	 UFCA6060 E UFCAPO6060 E
5 - 3 3/8 (1610) 5 - 3 5/8 (1616) 5 - 3 1/8 (1603) 4 - 10 9/32 (1480)	 UFCAPO3664 E	 UFCA4064 E UFCAPO4064 E	 UFCA4864 E UFCAPO4864 E	 UFCA5664 E UFCAPO5664 E	 UFCA6064 E UFCAPO6064 E
5 - 11 3/8 (1813) 5 - 11 5/8 (1819) 5 - 11 1/8 (1807) 5 - 6 9/32 (1684)	 UFCAPO3672 ET	 UFCA4072 ET UFCAPO4072 ET	 UFCA4872 ET UFCAPO4872 ET	 UFCA5672 ET UFCAPO5672 ET	 UFCA6072 ET UFCAPO6072 ET

Details and Elevations not to scale.  
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 T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 72 1/16" or larger and units with a frame size of 25.2 ft² and larger. Please consult your local Marvin representative for more information.  
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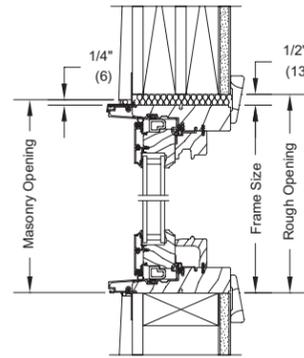
**ULTIMATE FRENCH CASEMENT: UFCA**  
**ULTIMATE FRENCH CASEMENT PUSH OUT: UFCAPO**

# French Casement

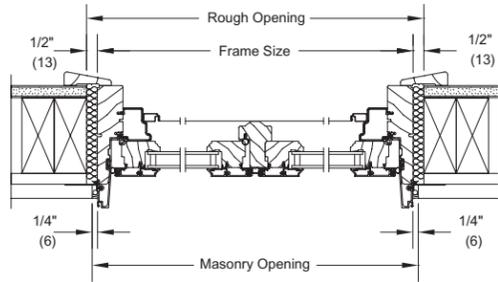
## Construction Details



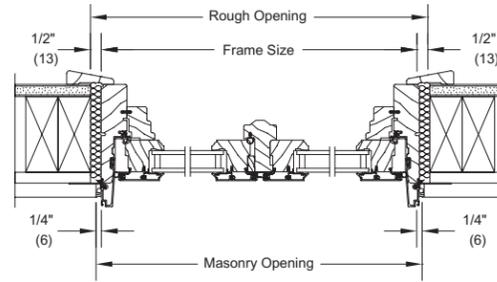
HEAD JAMB AND SILL - OPERATOR



HEAD JAMB AND SILL - STATIONARY



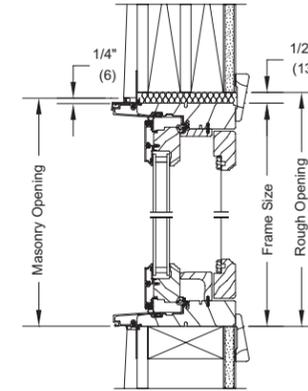
JAMB - OPERATOR



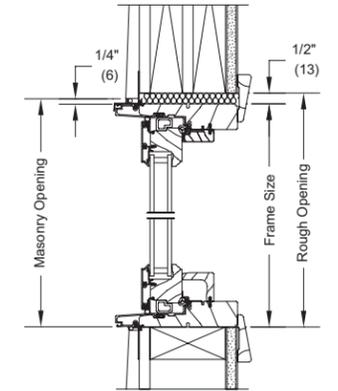
JAMB - STATIONARY

# French Casement Push Out

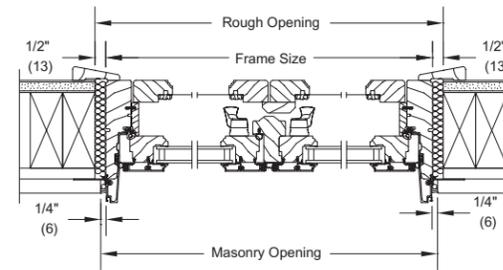
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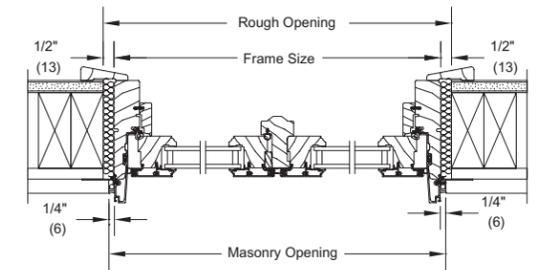
HEAD JAMB AND SILL - OPERATOR WITH WOOD SCREEN OPTION



HEAD JAMB AND SILL - STATIONARY



JAMB - STATIONARY WITH WOOD SCREEN OPTION



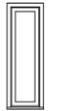
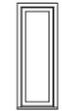
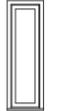
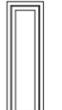
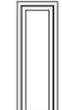
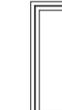
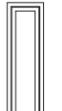
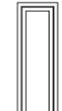
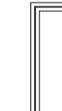
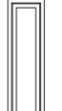
JAMB - STATIONARY

# Wood Awning / Wood Awning Push Out

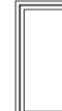
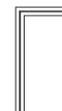
<b>MO (mm)</b>	1-7 5/8 (498)	1-9 5/8 (549)	1-11 5/8 (600)	2-3 5/8 (702)	2-5 5/8 (752)	2-7 5/8 (803)	2-9 5/8 (854)	2-11 5/8 (905)	3-3 5/8 (1006)
<b>RO (mm)</b>	1-5 (431)	1-7 (482)	1-9 (533)	2-1 (635)	2-3 (685)	2-5 (736)	2-7 (787)	2-9 (838)	3-1 (939)
<b>FS (mm)</b>	1-4 (406)	1-6 (457)	1-8 (508)	2-0 (609)	2-2 (660)	2-4 (711)	2-6 (762)	2-8 (812)	3-0 (914)
<b>DLO (mm)</b>	0-11 19/64 (287)	1-1 19/64 (338)	1-3 19/64 (388)	1-7 19/64 (490)	1-9 19/64 (541)	1-11 19/64 (592)	2-1 19/64 (642)	2-3 19/64 (693)	2-7 19/64 (795)

1-3 7/8 (403)									
1-3 7/8 (403)	UAWWN 1614	UAWWN 1814	UAWWN 2014	UAWWN 2414	UAWWN 2614	UAWWN 2814	UAWWN 3014	UAWWN 3214	UAWWN 3614
1-2 9/16 (370)									
1-2 9/16 (370)	UAWWNPO 1614	UAWWNPO 1814	UAWWNPO 2014	UAWWNPO 2414	UAWWNPO 2614	UAWWNPO 2814	UAWWNPO 3014	UAWWNPO 3214	UAWWNPO 3614
1-4 9/16 (421)									
1-4 9/16 (421)	UAWWN 1616	UAWWN 1816	UAWWN 2016	UAWWN 2416	UAWWN 2616	UAWWN 2816	UAWWN 3016	UAWWN 3216	UAWWN 3616
1-4 1/16 (408)									
1-4 1/16 (408)	UAWWNPO 1616	UAWWNPO 1816	UAWWNPO 2016	UAWWNPO 2416	UAWWNPO 2616	UAWWNPO 2816	UAWWNPO 3016	UAWWNPO 3216	UAWWNPO 3616
0-7 15/16 (186)									
0-7 15/16 (186)	UAWWN 1618	UAWWN 1818	UAWWN 2018	UAWWN 2418	UAWWN 2618	UAWWN 2818	UAWWN 3018	UAWWN 3218	UAWWN 3618
1-7 7/8 (505)									
1-7 7/8 (505)	UAWWNPO 1618	UAWWNPO 1818	UAWWNPO 2018	UAWWNPO 2418	UAWWNPO 2618	UAWWNPO 2818	UAWWNPO 3018	UAWWNPO 3218	UAWWNPO 3618
1-6 9/16 (471)									
1-6 9/16 (471)	UAWWN 1620	UAWWN 1820	UAWWN 2020	UAWWN 2420	UAWWN 2620	UAWWN 2820	UAWWN 3020	UAWWN 3220	UAWWN 3620
1-6 1/16 (458)									
1-6 1/16 (458)	UAWWNPO 1620	UAWWNPO 1820	UAWWNPO 2020	UAWWNPO 2420	UAWWNPO 2620	UAWWNPO 2820	UAWWNPO 3020	UAWWNPO 3220	UAWWNPO 3620
0-11 15/16 (287)									
0-11 15/16 (287)	UAWWN 1624	UAWWN 1824	UAWWN 2024	UAWWN 2424	UAWWN 2624	UAWWN 2824	UAWWN 3024	UAWWN 3224	UAWWN 3624
1-5 7/8 (454)									
1-5 7/8 (454)	UAWWNPO 1624	UAWWNPO 1824	UAWWNPO 2024	UAWWNPO 2424	UAWWNPO 2624	UAWWNPO 2824	UAWWNPO 3024	UAWWNPO 3224	UAWWNPO 3624
1-4 9/16 (421)									
1-4 9/16 (421)	UAWWN 1628	UAWWN 1828	UAWWN 2028	UAWWN 2428	UAWWN 2628	UAWWN 2828	UAWWN 3028	UAWWN 3228	UAWWN 3628
1-4 1/16 (408)									
1-4 1/16 (408)	UAWWNPO 1628	UAWWNPO 1828	UAWWNPO 2028	UAWWNPO 2428	UAWWNPO 2628	UAWWNPO 2828	UAWWNPO 3028	UAWWNPO 3228	UAWWNPO 3628
0-9 15/16 (237)									
0-9 15/16 (237)	UAWWN 1632	UAWWN 1832	UAWWN 2032	UAWWN 2432	UAWWN 2632	UAWWN 2832	UAWWN 3032	UAWWN 3232	UAWWN 3632
1-5 15/16 (440)									
1-5 15/16 (440)	UAWWNPO 1632	UAWWNPO 1832	UAWWNPO 2032	UAWWNPO 2432	UAWWNPO 2632	UAWWNPO 2832	UAWWNPO 3032	UAWWNPO 3232	UAWWNPO 3632
2-1 7/8 (657)									
2-1 7/8 (657)	UAWWN 1636	UAWWN 1836	UAWWN 2036	UAWWN 2436	UAWWN 2636	UAWWN 2836	UAWWN 3036	UAWWN 3236	UAWWN 3636
1-7 7/8 (505)									
1-7 7/8 (505)	UAWWNPO 1636	UAWWNPO 1836	UAWWNPO 2036	UAWWNPO 2436	UAWWNPO 2636	UAWWNPO 2836	UAWWNPO 3036	UAWWNPO 3236	UAWWNPO 3636
2-2 9/16 (624)									
2-2 9/16 (624)	UAWWN 1640	UAWWN 1840	UAWWN 2040	UAWWN 2440	UAWWN 2640	UAWWN 2840	UAWWN 3040	UAWWN 3240	UAWWN 3640
2-1/16 (611)									
2-1/16 (611)	UAWWNPO 1640	UAWWNPO 1840	UAWWNPO 2040	UAWWNPO 2440	UAWWNPO 2640	UAWWNPO 2840	UAWWNPO 3040	UAWWNPO 3240	UAWWNPO 3640
2-5 7/8 (759)									
2-5 7/8 (759)	UAWWN 1644	UAWWN 1844	UAWWN 2044	UAWWN 2444	UAWWN 2644	UAWWN 2844	UAWWN 3044	UAWWN 3244	UAWWN 3644
2-4 9/16 (725)									
2-4 9/16 (725)	UAWWNPO 1644	UAWWNPO 1844	UAWWNPO 2044	UAWWNPO 2444	UAWWNPO 2644	UAWWNPO 2844	UAWWNPO 3044	UAWWNPO 3244	UAWWNPO 3644
2-4 1/16 (713)									
2-4 1/16 (713)	UAWWN 1648	UAWWN 1848	UAWWN 2048	UAWWN 2448	UAWWN 2648	UAWWN 2848	UAWWN 3048	UAWWN 3248	UAWWN 3648
1-9 15/16 (641)									
1-9 15/16 (641)	UAWWNPO 1648	UAWWNPO 1848	UAWWNPO 2048	UAWWNPO 2448	UAWWNPO 2648	UAWWNPO 2848	UAWWNPO 3048	UAWWNPO 3248	UAWWNPO 3648
2-9 7/8 (860)									
2-9 7/8 (860)	UAWWN 1652	UAWWN 1852	UAWWN 2052	UAWWN 2452	UAWWN 2652	UAWWN 2852	UAWWN 3052	UAWWN 3252	UAWWN 3652
2-8 9/16 (827)									
2-8 9/16 (827)	UAWWNPO 1652	UAWWNPO 1852	UAWWNPO 2052	UAWWNPO 2452	UAWWNPO 2652	UAWWNPO 2852	UAWWNPO 3052	UAWWNPO 3252	UAWWNPO 3652
2-8 1/16 (814)									
2-8 1/16 (814)	UAWWN 1632	UAWWN 1832	UAWWN 2032	UAWWN 2432	UAWWN 2632	UAWWN 2832	UAWWN 3032	UAWWN 3232	UAWWN 3632
2-1 15/16 (643)									
2-1 15/16 (643)	UAWWNPO 1632	UAWWNPO 1832	UAWWNPO 2032	UAWWNPO 2432	UAWWNPO 2632	UAWWNPO 2832	UAWWNPO 3032	UAWWNPO 3232	UAWWNPO 3632
3-1 7/8 (962)									
3-1 7/8 (962)	UAWWN 1636	UAWWN 1836	UAWWN 2036	UAWWN 2436	UAWWN 2636	UAWWN 2836	UAWWN 3036	UAWWN 3236	UAWWN 3636
3-9/16 (928)									
3-9/16 (928)	UAWWNPO 1636	UAWWNPO 1836	UAWWNPO 2036	UAWWNPO 2436	UAWWNPO 2636	UAWWNPO 2836	UAWWNPO 3036	UAWWNPO 3236	UAWWNPO 3636
3-1/16 (916)									
3-1/16 (916)	UAWWN 1640	UAWWN 1840	UAWWN 2040	UAWWN 2440	UAWWN 2640	UAWWN 2840	UAWWN 3040	UAWWN 3240	UAWWN 3640
2-5 15/16 (745)									
2-5 15/16 (745)	UAWWNPO 1640	UAWWNPO 1840	UAWWNPO 2040	UAWWNPO 2440	UAWWNPO 2640	UAWWNPO 2840	UAWWNPO 3040	UAWWNPO 3240	UAWWNPO 3640
3-5 7/8 (1064)									
3-5 7/8 (1064)	UAWWN 1644	UAWWN 1844	UAWWN 2044	UAWWN 2444	UAWWN 2644	UAWWN 2844	UAWWN 3044	UAWWN 3244	UAWWN 3644
3-4 9/16 (1030)									
3-4 9/16 (1030)	UAWWNPO 1644	UAWWNPO 1844	UAWWNPO 2044	UAWWNPO 2444	UAWWNPO 2644	UAWWNPO 2844	UAWWNPO 3044	UAWWNPO 3244	UAWWNPO 3644
3-4 1/16 (1018)									
3-4 1/16 (1018)	UAWWN 1648	UAWWN 1848	UAWWN 2048	UAWWN 2448	UAWWN 2648	UAWWN 2848	UAWWN 3048	UAWWN 3248	UAWWN 3648
2-9 15/16 (846)									
2-9 15/16 (846)	UAWWNPO 1648	UAWWNPO 1848	UAWWNPO 2048	UAWWNPO 2448	UAWWNPO 2648	UAWWNPO 2848	UAWWNPO 3048	UAWWNPO 3248	UAWWNPO 3648
3-9 7/8 (1165)									

## Wood Awning / Wood Awning Push Out

MO (mm)	1 - 7 5/8 (498)	1 - 9 5/8 (549)	1 - 11 5/8 (600)	2 - 3 5/8 (702)	2 - 5 5/8 (752)	2 - 7 5/8 (803)	2 - 9 5/8 (854)	2 - 11 5/8 (905)	3 - 3 5/8 (1006)
RO (mm)	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (685)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)	3 - 1 (939)
FS (mm)	1 - 4 (406)	1 - 6 (457)	1 - 8 (508)	2 - 0 (609)	2 - 2 (660)	2 - 4 (711)	2 - 6 (762)	2 - 8 (812)	3 - 0 (914)
DLO (mm)	0 - 11 19/64 (287)	1 - 1 19/64 (338)	1 - 3 19/64 (388)	1 - 7 19/64 (490)	1 - 9 19/64 (541)	1 - 11 19/64 (592)	2 - 1 19/64 (642)	2 - 3 19/64 (693)	2 - 7 19/64 (795)
4 - 7 7/8 (1419) 4 - 6 9/16 (1386) 4 - 6 1/16 (1373) 3 - 11 15/16 (1202)									
UAWWN 1654	UAWWN 1854	UAWWN 2054	UAWWN 2454	UAWWN 2654	UAWWN 2854	UAWWN 3054	UAWWN 3254	UAWWN 3654	
4 - 9 7/8 (1470) 4 - 8 9/16 (1437) 4 - 8 1/16 (1424) 4 - 1 15/16 (1253)									
UAWWN 1656	UAWWN 1856	UAWWN 2056	UAWWN 2456	UAWWN 2656	UAWWN 2856	UAWWN 3056	UAWWN 3256	UAWWN 3656	
5 - 1 7/8 (1572) 5 - 9/16 (1538) 5 - 1/16 (1526) 4 - 5 15/16 (1354)									
UAWWN 1660	UAWWN 1860	UAWWN 2060	UAWWN 2460	UAWWN 2660	UAWWN 2860	UAWWN 3060	UAWWN 3260	UAWWN 3660	
5 - 5 7/8 (1673) 5 - 4 9/16 (1640) 5 - 4 1/16 (1627) 4 - 9 15/16 (1456)									
UAWWN 1664	UAWWN 1864	UAWWN 2064	UAWWN 2464	UAWWN 2664	UAWWN 2864	UAWWN 3064	UAWWN 3264	UAWWN 3664	
6 - 1 7/8 (1876) 6 - 9/16 (1843) 6 - 1/16 (1830) 5 - 5 15/16 (1659)									
UAWWN 1672 T	UAWWN 1872 T	UAWWN 2072 T	UAWWN 2472 T	UAWWN 2672 T	UAWWN 2872 T	UAWWN 3072 T	UAWWN 3272 T	UAWWN 3672 T	

## Wood Awning / Wood Awning Push Out

MO (mm)	3 - 7 5/8 (1108)	4 - 3 5/8 (1311)	4 - 11 5/8 (1514)	5 - 3 5/8 (1616)	5 - 7 5/8 (1718)	6 - 3 5/8 (1921)
RO (mm)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)	5 - 5 (1651)	6 - 1 (1854)
FS (mm)	3 - 4 (1016)	4 - 0 (1219)	4 - 8 (1422)	5 - 0 (1524)	5 - 4 (1626)	6 - 0 (1829)
DLO (mm)	2 - 11 19/64 (896)	3 - 7 19/64 (1100)	4 - 3 19/64 (1303)	4 - 7 19/64 (1404)	4 - 11 19/64 (1506)	5 - 7 19/64 (1709)
4 - 7 7/8 (1419) 4 - 6 9/16 (1386) 4 - 6 1/16 (1373) 3 - 11 15/16 (1202)						
UAWWN 4054	UAWWN 4854	UAWWN 5654	UAWWN 6054	UAWWN 6454	UAWWN 7254 T	
4 - 9 7/8 (1470) 4 - 8 9/16 (1437) 4 - 8 1/16 (1424) 4 - 1 15/16 (1253)						
UAWWN 4056	UAWWN 4856	UAWWN 5656	UAWWN 6056	UAWWN 6456	UAWWN 7256 T	
5 - 1 7/8 (1572) 5 - 9/16 (1538) 5 - 1/16 (1526) 4 - 5 15/16 (1354)						
UAWWN 4060	UAWWN 4860	UAWWN 5660	UAWWN 6060	UAWWN 6460 T	UAWWN 7260 T	
5 - 5 7/8 (1673) 5 - 4 9/16 (1640) 5 - 4 1/16 (1627) 4 - 9 15/16 (1456)						
UAWWN 4064	UAWWN 4864	UAWWN 5664	UAWWN 6064 T	UAWWN 6464 T	UAWWN 7264 T	
6 - 1 7/8 (1876) 6 - 9/16 (1843) 6 - 1/16 (1830) 5 - 5 15/16 (1659)						
UAWWN 4072 T	UAWWN 4872 T	UAWWN 5672 T	UAWWN 6072 T	UAWWN 6472 T	UAWWN 7272 T	

Details and Elevations not to scale.

- Ultimate Wood Awning Push Out not available in frame size heights greater than 48 1/8".
- For units with a tall bottom rail, reduce the DLO height by 1 1/2".

T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 72 1/16"

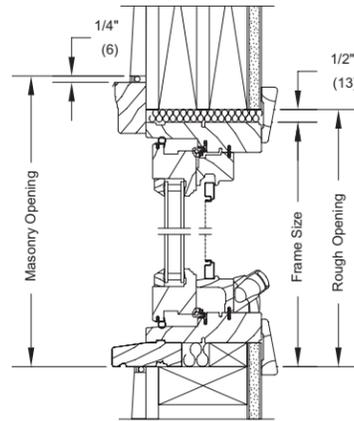
or larger and units with a frame size of 25.2 ft² and larger.

Please consult your local Marvin representative for more information.

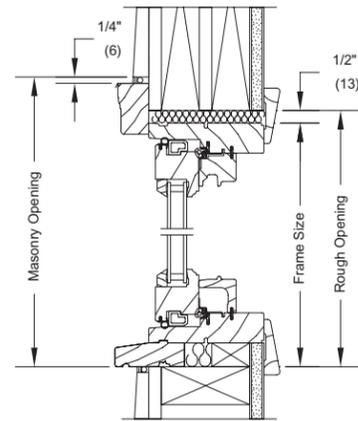
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Wood Awning

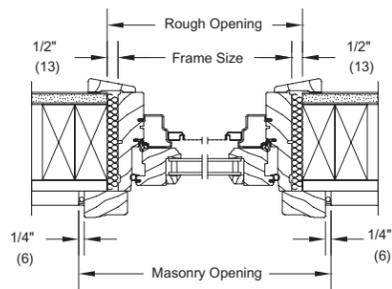
## Construction Details



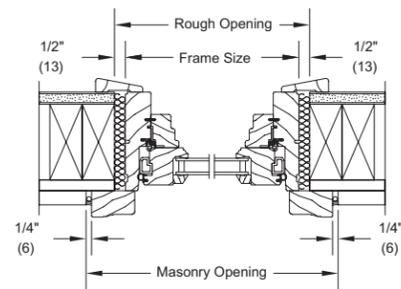
HEAD JAMB AND SILL - OPERATOR



HEAD JAMB AND SILL - STATIONARY



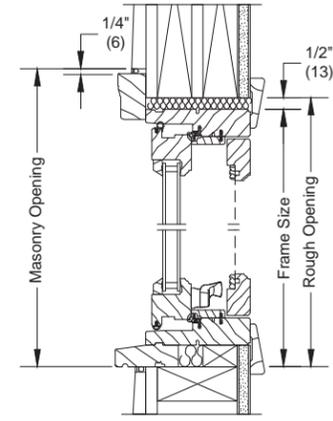
JAMB - OPERATOR



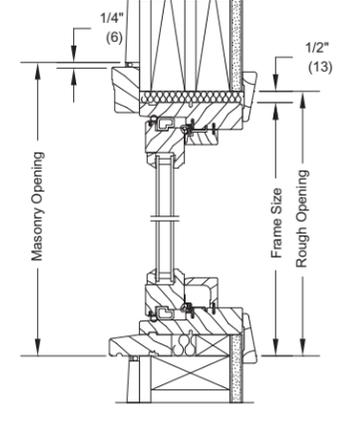
JAMB - STATIONARY

# Wood Awning Push Out

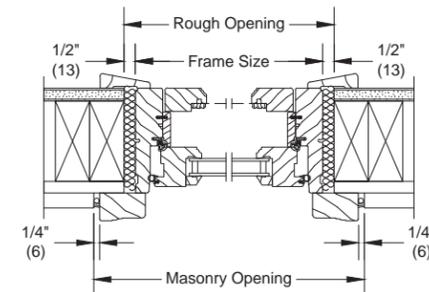
## Construction Details



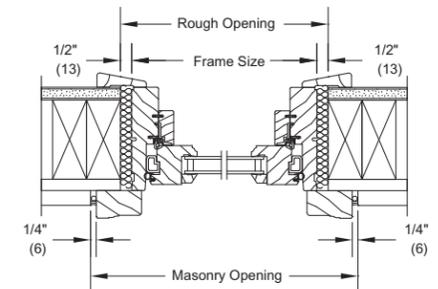
PUSH OUT HEAD JAMB AND SILL - STATIONARY WITH SWINGING WOOD SCREEN



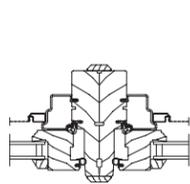
PUSH OUT HEAD JAMB AND SILL - STATIONARY



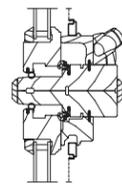
PUSH OUT JAMB - OPERATOR WITH SWINGING WOOD SCREEN



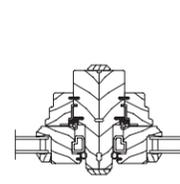
PUSH OUT JAMB - STATIONARY



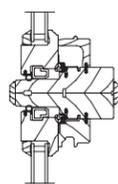
VERTICAL MULLION OPERATOR



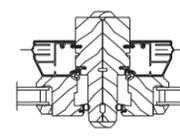
HORIZONTAL MULLION OPERATOR



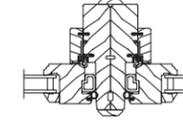
VERTICAL MULLION STATIONARY



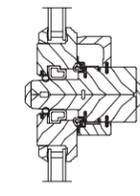
HORIZONTAL MULLION STATIONARY



PUSH OUT OPERATOR VERTICAL MULLION



PUSH OUT STATIONARY VERTICAL MULLION



PUSH OUT STATIONARY HORIZONTAL MULLION

# Awning / Awning Push Out

<b>MO (mm)</b>	1 - 4 1/2 (419)	1 - 6 1/2 (469)	1 - 8 1/2 (520)	2 - 1/2 (622)	2 - 2 1/2 (673)	2 - 4 1/2 (723)	2 - 6 1/2 (774)	2 - 8 1/2 (825)
<b>RO (mm)</b>	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (688)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)
<b>FS (mm)</b>	1 - 4 (406)	1 - 6 (457)	1 - 8 (508)	2 - 0 (609)	2 - 2 (660)	2 - 4 (711)	2 - 6 (762)	2 - 8 (812)
<b>DLO (mm)</b>	0 - 10 13/64 (259)	1 - 0 13/64 (310)	1 - 2 13/64 (361)	1 - 6 13/64 (462)	1 - 8 13/64 (513)	1 - 10 13/64 (564)	2 - 0 13/64 (615)	2 - 2 13/64 (666)

1 - 1 3/8 (339)								
1 - 1 5/8 (346)								
1 - 1 7/8 (353)								
1 - 1 1/8 (333)								
0 - 7 21/64 (186)								
1 - 3 3/8 (390)								
1 - 3 5/8 (396)								
1 - 3 7/8 (403)								
1 - 3 1/8 (384)								
0 - 9 21/64 (237)								
1 - 5 3/8 (441)								
1 - 5 5/8 (447)								
1 - 5 7/8 (454)								
0 - 11 21/64 (288)								
1 - 7 3/8 (492)								
1 - 7 5/8 (498)								
1 - 7 7/8 (505)								
1 - 11 3/8 (593)								
1 - 11 5/8 (600)								
1 - 11 7/8 (607)								
1 - 11 1/8 (587)								
1 - 5 21/64 (440)								
2 - 3 3/8 (695)								
2 - 3 5/8 (701)								
2 - 3 7/8 (708)								
2 - 3 1/8 (688)								
1 - 9 21/64 (542)								
2 - 7 3/8 (796)								
2 - 7 5/8 (803)								
2 - 7 7/8 (810)								
2 - 7 1/8 (790)								
2 - 1 21/64 (643)								
2 - 11 3/8 (898)								
2 - 11 5/8 (904)								
2 - 11 7/8 (911)								
2 - 11 1/8 (892)								
2 - 5 21/64 (745)								
3 - 3 3/8 (1000)								
3 - 3 5/8 (1006)								
3 - 3 7/8 (1013)								
3 - 3 1/8 (993)								
2 - 9 21/64 (847)								
3 - 7 3/8 (1101)								
3 - 7 5/8 (1108)								
3 - 7 7/8 (1115)								
3 - 7 1/8 (1095)								
3 - 1 21/64 (948)								
3 - 11 3/8 (1203)								
3 - 11 5/8 (1209)								
3 - 11 7/8 (1216)								
3 - 5 21/64 (1050)								

**ULTIMATE AWNING: UAWN**  
**ULTIMATE AWNING PUSH OUT: UAWNPO**

Details and Elevations not to scale.  
 • Ultimate Awning Push Out not available in frame size heights greater than 47 1/8".

# Awning / Awning Push Out

<b>MO (mm)</b>	3 - 1/2 (927)	3 - 4 1/2 (1028)	4 - 1/2 (1232)	4 - 8 1/2 (1435)	5 - 1/2 (1537)	5 - 4 1/2 (1638)	6 - 1/2 (1842)
<b>RO (mm)</b>	3 - 1 (939)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)	5 - 5 (1651)	6 - 1 (1854)
<b>FS (mm)</b>	3 - 0 (914)	3 - 4 (1016)	4 - 0 (1219)	4 - 8 (1422)	5 - 0 (1524)	5 - 4 (1626)	6 - 0 (1829)
<b>DLO (mm)</b>	2 - 6 13/64 (767)	2 - 10 13/64 (869)	3 - 6 13/64 (1072)	4 - 2 13/64 (1275)	4 - 6 13/64 (1377)	4 - 10 13/64 (1478)	5 - 6 13/64 (1682)

1 - 1 3/8 (339)							
1 - 1 5/8 (346)							
1 - 1 7/8 (353)							
1 - 1 1/8 (333)							
0 - 9 21/64 (237)							
1 - 3 3/8 (390)							
1 - 3 5/8 (396)							
1 - 3 7/8 (403)							
1 - 3 1/8 (384)							
0 - 11 21/64 (288)							
1 - 5 3/8 (441)							
1 - 5 5/8 (447)							
1 - 5 7/8 (454)							
0 - 11 21/64 (288)							
1 - 7 3/8 (492)							
1 - 7 5/8 (498)							
1 - 7 7/8 (505)							
1 - 11 3/8 (593)							
1 - 11 5/8 (600)							
1 - 11 7/8 (607)							
1 - 11 1/8 (587)							
1 - 5 21/64 (440)							
2 - 3 3/8 (695)							
2 - 3 5/8 (701)							
2 - 3 7/8 (708)							
2 - 3 1/8 (688)							
1 - 9 21/64 (542)							
2 - 7 3/8 (796)							
2 - 7 5/8 (803)							
2 - 7 7/8 (810)							
2 - 7 1/8 (790)							
2 - 1 21/64 (643)							
2 - 11 3/8 (898)							
2 - 11 5/8 (904)							
2 - 11 7/8 (911)							
2 - 11 1/8 (892)							
2 - 5 21/64 (745)							
3 - 3 3/8 (1000)							
3 - 3 5/8 (1006)							
3 - 3 7/8 (1013)							
3 - 3 1/8 (993)							
2 - 9 21/64 (847)							
3 - 7 3/8 (1101)							
3 - 7 5/8 (1108)							
3 - 7 7/8 (1115)							
3 - 7 1/8 (1095)							
3 - 1 21/64 (948)							
3 - 11 3/8 (1203)							
3 - 11 5/8 (1209)							
3 - 11 7/8 (1216)							
3 - 5 21/64 (1050)							

Please consult your local Marvin representative for more information.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

## Awning / Awning Push Out

<b>MO (mm)</b>	1 - 4 1/2 (419)	1 - 6 1/2 (469)	1 - 8 1/2 (520)	2 - 1/2 (622)	2 - 2 1/2 (673)	2 - 4 1/2 (723)	2 - 6 1/2 (774)	2 - 8 1/2 (825)
<b>RO (mm)</b>	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (688)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)
<b>FS (mm)</b>	1 - 4 (406)	1 - 6 (457)	1 - 8 (508)	2 - 0 (609)	2 - 2 (660)	2 - 4 (711)	2 - 6 (762)	2 - 8 (812)
<b>DLO (mm)</b>	0 - 10 13/64 (259)	1 - 0 13/64 (310)	1 - 2 13/64 (361)	1 - 6 13/64 (462)	1 - 8 13/64 (513)	1 - 10 13/64 (564)	2 - 0 13/64 (615)	2 - 2 13/64 (666)

4 - 5 3/8 (1355) 4 - 5 5/8 (1362) 4 - 5 1/8 (1349) 3 - 11 21/64 (1202)								
4 - 7 3/8 (1406) 4 - 7 5/8 (1412) 4 - 7 1/8 (1400) 4 - 1 21/64 (1253)								
4 - 11 3/8 (1508) 4 - 11 5/8 (1514) 4 - 11 1/8 (1501) 4 - 5 21/64 (1355)								
5 - 3 3/8 (1609) 5 - 3 5/8 (1616) 5 - 3 1/8 (1603) 4 - 9 21/64 (1456)								
5 - 11 3/8 (1812) 5 - 11 5/8 (1819) 5 - 11 1/8 (1806) 5 - 5 21/64 (1659)								

## Awning / Awning Push Out

<b>MO (mm)</b>	3 - 1/2 (927)	3 - 4 1/2 (1028)	4 - 1/2 (1232)	4 - 8 1/2 (1435)	5 - 1/2 (1537)	5 - 4 1/2 (1638)	6 - 1/2 (1842)
<b>RO (mm)</b>	3 - 1 (939)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)	5 - 5 (1651)	6 - 1 (1854)
<b>FS (mm)</b>	3 - 0 (914)	3 - 4 (1016)	4 - 0 (1219)	4 - 8 (1422)	5 - 0 (1524)	5 - 4 (1626)	6 - 0 (1829)
<b>DLO (mm)</b>	2 - 6 13/64 (767)	2 - 10 13/64 (869)	3 - 6 13/64 (1072)	4 - 2 13/64 (1275)	4 - 6 13/64 (1377)	4 - 10 13/64 (1478)	5 - 6 13/64 (1682)

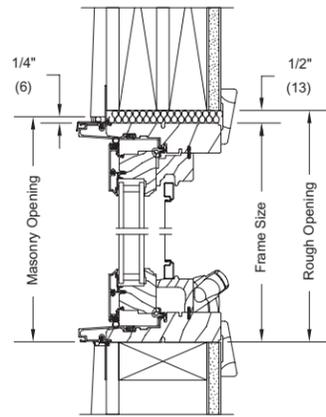
4 - 5 3/8 (1355) 4 - 5 5/8 (1362) 4 - 5 1/8 (1349) 3 - 11 21/64 (1202)							
4 - 7 3/8 (1406) 4 - 7 5/8 (1412) 4 - 7 1/8 (1400) 4 - 1 21/64 (1253)							
4 - 11 3/8 (1508) 4 - 11 5/8 (1514) 4 - 11 1/8 (1501) 4 - 5 21/64 (1355)							
5 - 3 3/8 (1609) 5 - 3 5/8 (1616) 5 - 3 1/8 (1603) 4 - 9 21/64 (1456)							
5 - 11 3/8 (1812) 5 - 11 5/8 (1819) 5 - 11 1/8 (1806) 5 - 5 21/64 (1659)							

Details and Elevations not to scale.

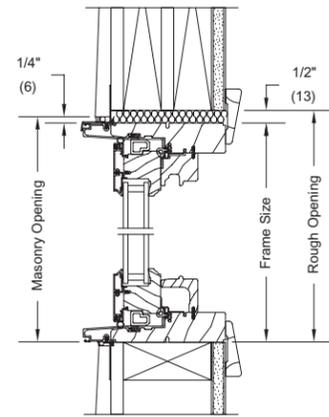
T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with a frame size of 25.2 ft² and larger. Please consult your local Marvin representative for more information.

For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

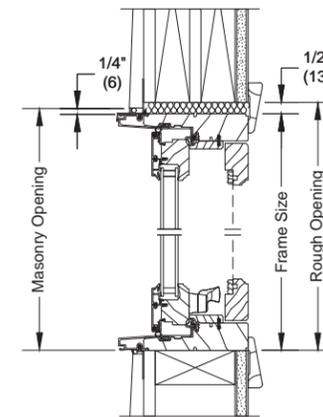
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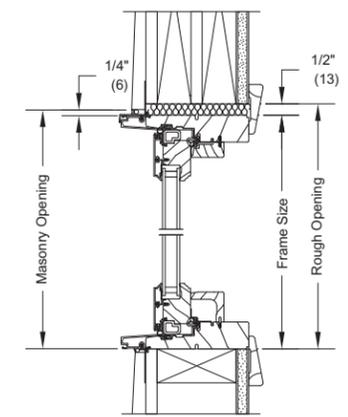
HEAD JAMB AND SILL - OPERATOR



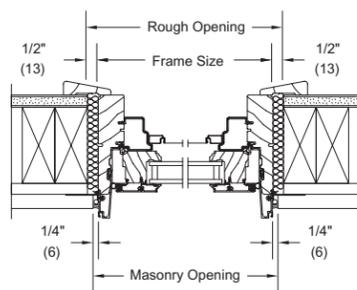
HEAD JAMB AND SILL - STATIONARY



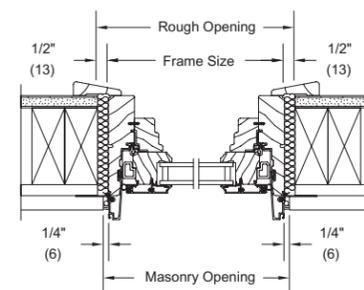
PUSH OUT  
HEAD JAMB AND SILL - STATIONARY  
WITH SWINGING SCREEN



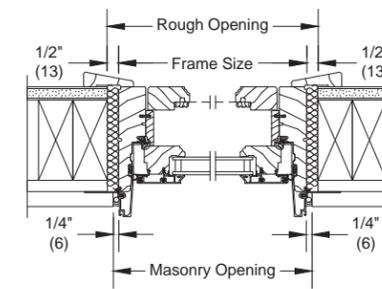
PUSH OUT  
HEAD JAMB AND SILL - STATIONARY



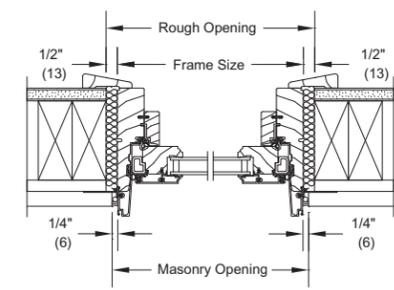
JAMB - OPERATOR



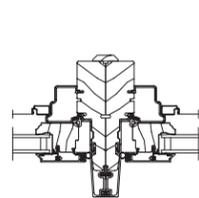
JAMB - STATIONARY



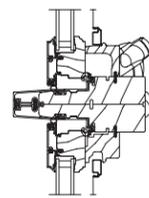
PUSH OUT  
JAMB - OPERATOR  
WITH SWINGING SCREEN



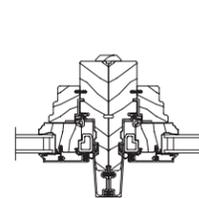
PUSH OUT  
JAMB - STATIONARY



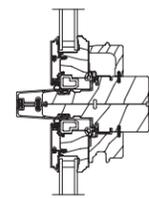
VERTICAL MULLION  
OPERATOR



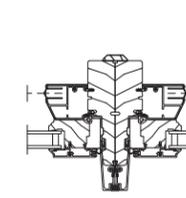
HORIZONTAL MULLION  
OPERATOR



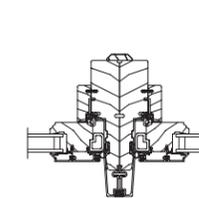
VERTICAL MULLION  
STATIONARY



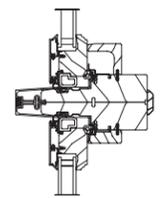
HORIZONTAL MULLION  
STATIONARY



PUSH OUT OPERATOR  
VERTICAL MULLION



PUSH OUT STATIONARY  
VERTICAL MULLION



PUSH OUT STATIONARY  
HORIZONTAL MULLION

# Awning Push Out

## Construction Details



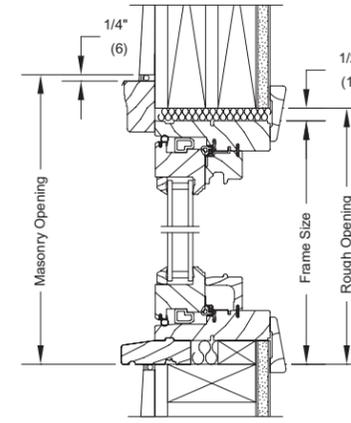
# Wood Casement Picture / Wood Casement Push Out Picture

<b>MO (mm)</b>	3 - 7 5/8 (1108)	4 - 3 5/8 (1311)	4 - 11 5/8 (1514)	5 - 3 5/8 (1616)	5 - 7 5/8 (1718)	6 - 3 5/8 (1921)	6 - 11 5/8 (2124)	7 - 7 5/8 (2327)	8 - 3 5/8 (2531)
<b>RO (mm)</b>	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)	5 - 5 (1651)	6 - 1 (1854)	6 - 9 (2057)	7 - 5 (2261)	8 - 1 (2464)
<b>FS (mm)</b>	3 - 4 (1016)	4 - 0 (1219)	4 - 8 (1422)	5 - 0 (1524)	5 - 4 (1626)	6 - 0 (1829)	6 - 8 (2032)	7 - 4 (2235)	8 - 0 (2438)
<b>DLO (mm)</b>	2 - 10 3/16 (868)	3 - 6 3/16 (1072)	4 - 2 3/16 (1275)	4 - 6 3/16 (1376)	4 - 10 3/16 (1478)	5 - 6 3/16 (1681)	6 - 2 3/16 (1884)	6 - 10 3/16 (2088)	7 - 6 3/16 (2291)

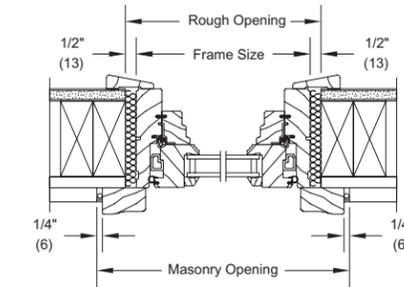
6 - 1 7/8 (1876) 6 - 9/16 (1843) 6 - 1/16 (1830) 5 - 5 5/16 (1659)									
6 - 7 7/8 (2029) 6 - 6 9/16 (1995) 6 - 6 1/16 (1983) 5 - 11 5/16 (1811)									
7 - 1 7/8 (2181) 7 - 9/16 (2148) 7 - 1/16 (2135) 6 - 5 5/16 (1964)									
7 - 9 7/8 (2384) 7 - 8 9/16 (2351) 7 - 8 1/16 (2338) 7 - 1 5/16 (2167)									
8 - 1 7/8 (2486) 8 - 9/16 (2453) 8 - 1/16 (2440) 7 - 5 5/16 (2269)									

# Wood Casement Picture / Wood Casement Push Out Picture

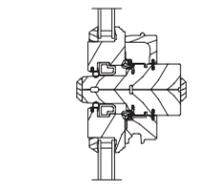
## Construction Details



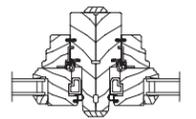
HEAD JAMB AND SILL - PICTURE



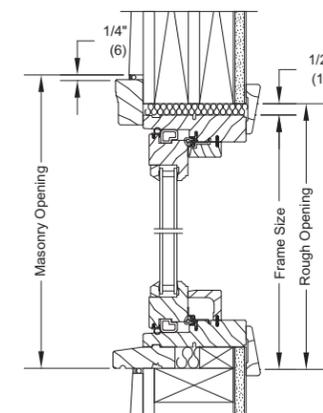
JAMB - PICTURE



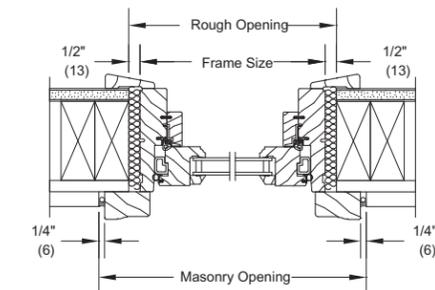
HORIZONTAL MULLION



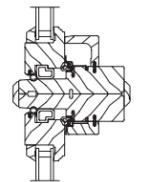
VERTICAL MULLION



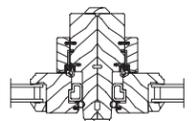
PUSH OUT HEAD JAMB AND SILL - PICTURE



PUSH OUT JAMB - PICTURE



PUSH OUT HORIZONTAL MULLION



PUSH OUT VERTICAL MULLION

Details and Elevations not to scale.  
 T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 72 1/8" or larger and units with a frame size of 25.2 ft² and larger.  
 \* Larger sizes require 1" insulating glass.  
 Please consult your local Marvin representative for more information.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

### Casement Picture / Casement Push Out Picture

<b>MO (mm)</b>	3 - 4 1/2 (1028)	4 - 1/2 (1232)	4 - 8 1/2 (1435)	5 - 1/2 (1537)	5 - 4 1/2 (1638)	6 - 1/2 (1842)	6 - 8 1/2 (2045)	7 - 4 1/2 (2248)	8 - 1/2 (2451)
<b>RO (mm)</b>	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)	5 - 5 (1651)	6 - 1 (1854)	6 - 9 (2057)	7 - 5 (2261)	8 - 1 (2464)
<b>FS (mm)</b>	3 - 4 (1016)	4 - 0 (1219)	4 - 8 (1422)	5 - 0 (1524)	5 - 4 (1626)	6 - 0 (1829)	6 - 8 (2032)	7 - 4 (2235)	8 - 0 (2438)
<b>DLO (mm)</b>	2 - 10 13/64 (869)	3 - 6 13/64 (1072)	4 - 2 13/64 (1275)	4 - 6 13/64 (1377)	4 - 10 13/64 (1478)	5 - 6 13/64 (1682)	6 - 2 13/64 (1885)	6 - 10 13/64 (2088)	7 - 6 13/64 (2291)

0 - 11 3/8 (289)									
0 - 11 5/8 (295)									
0 - 11 1/8 (283)									
0 - 5 21/64 (135)									
1 - 1 3/8 (339)									
1 - 1 5/8 (346)									
1 - 1 1/8 (333)									
0 - 7 21/64 (186)									
1 - 3 3/8 (390)									
1 - 3 5/8 (396)									
1 - 3 1/8 (384)									
0 - 9 21/64 (237)									
1 - 5 3/8 (441)									
1 - 5 5/8 (447)									
1 - 5 1/8 (434)									
0 - 11 21/64 (288)									
1 - 7 3/8 (492)									
1 - 7 5/8 (498)									
1 - 7 1/8 (485)									
1 - 1 21/64 (339)									
1 - 11 3/8 (693)									
1 - 11 5/8 (600)									
1 - 11 1/8 (587)									
1 - 5 21/64 (440)									
2 - 3 3/8 (695)									
2 - 3 5/8 (701)									
2 - 3 1/8 (688)									
1 - 9 21/64 (542)									

**ULTIMATE CASEMENT PICTURE: UCAP**  
**ULTIMATE CASEMENT PUSH OUT PICTURE: UCAPOP**

Details and Elevations not to scale.  
 T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 72 1/8" or larger and units with a frame size of 25.2 ft² and larger.  
 \* Larger sizes require 1" insulating glass.

### Casement Picture / Casement Push Out Picture

<b>MO (mm)</b>	3 - 4 1/2 (1028)	4 - 1/2 (1232)	4 - 8 1/2 (1435)	5 - 1/2 (1537)	5 - 4 1/2 (1638)	6 - 1/2 (1842)	6 - 8 1/2 (2045)	7 - 4 1/2 (2248)	8 - 1/2 (2451)
<b>RO (mm)</b>	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)	5 - 5 (1651)	6 - 1 (1854)	6 - 9 (2057)	7 - 5 (2261)	8 - 1 (2464)
<b>FS (mm)</b>	3 - 4 (1016)	4 - 0 (1219)	4 - 8 (1422)	5 - 0 (1524)	5 - 4 (1626)	6 - 0 (1829)	6 - 8 (2032)	7 - 4 (2235)	8 - 0 (2438)
<b>DLO (mm)</b>	2 - 10 13/64 (869)	3 - 6 13/64 (1072)	4 - 2 13/64 (1275)	4 - 6 13/64 (1377)	4 - 10 13/64 (1478)	5 - 6 13/64 (1682)	6 - 2 13/64 (1885)	6 - 10 13/64 (2088)	7 - 6 13/64 (2291)

2 - 7 3/8 (796)									
2 - 7 5/8 (803)									
2 - 7 1/8 (790)									
2 - 1 21/64 (643)									
2 - 11 3/8 (898)									
2 - 11 5/8 (904)									
2 - 11 1/8 (892)									
2 - 5 21/64 (745)									
3 - 3 3/8 (1000)									
3 - 3 5/8 (1006)									
3 - 3 1/8 (993)									
2 - 9 21/64 (847)									
3 - 7 3/8 (1101)									
3 - 7 5/8 (1108)									
3 - 7 1/8 (1095)									
3 - 1 21/64 (948)									
3 - 11 3/8 (1203)									
3 - 11 5/8 (1209)									
3 - 11 1/8 (1196)									
3 - 5 21/64 (1050)									
4 - 5 3/8 (1355)									
4 - 5 5/8 (1362)									
4 - 5 1/8 (1349)									
3 - 11 21/64 (1202)									
4 - 7 3/8 (1406)									
4 - 7 5/8 (1412)									
4 - 7 1/8 (1400)									
4 - 1 21/64 (1253)									

Please consult your local Marvin representative for more information.  
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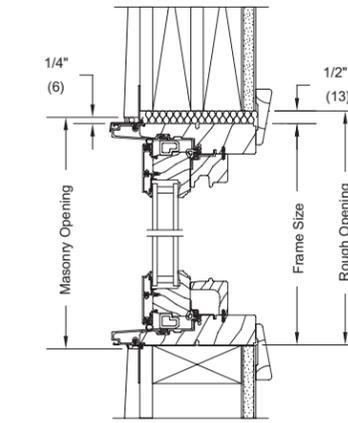
### Casement Picture / Casement Push Out Picture

MO (mm)	3 - 4 1/2 (1028)	4 - 1/2 (1232)	4 - 8 1/2 (1435)	5 - 1/2 (1537)	5 - 4 1/2 (1638)	6 - 1/2 (1842)	6 - 8 1/2 (2045)	7 - 4 1/2 (2248)	8 - 1/2 (2451)
RO (mm)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)	5 - 5 (1651)	6 - 1 (1854)	6 - 9 (2057)	7 - 5 (2261)	8 - 1 (2464)
FS (mm)	3 - 4 (1016)	4 - 0 (1219)	4 - 8 (1422)	5 - 0 (1524)	5 - 4 (1626)	6 - 0 (1829)	6 - 8 (2032)	7 - 4 (2235)	8 - 0 (2438)
DLO (mm)	2 - 10 13/64 (869)	3 - 6 13/64 (1072)	4 - 2 13/64 (1275)	4 - 6 13/64 (1377)	4 - 10 13/64 (1478)	5 - 6 13/64 (1682)	6 - 2 13/64 (1885)	6 - 10 13/64 (2088)	7 - 6 13/64 (2291)
4 - 11 3/8 (1508)									
4 - 11 5/8 (1514)	UCAP4060	UCAP4860	UCAP5660	UCAP6060	UCAP6460 T	UCAP7260 T	UCAP8060 T	UCAP8860 T	UCAP9660 T
4 - 11 1/8 (1501)									
4 - 5 21/64 (1355)									
5 - 3 3/8 (1609)									
5 - 3 5/8 (1616)	UCAP4064	UCAP4864	UCAP5664	UCAP6064 T	UCAP6464 T	UCAP7264 T	UCAP8064 T	UCAP8864 T	UCAP9664 T
5 - 3 1/8 (1603)									
4 - 9 21/64 (1456)									
5 - 11 3/8 (1812)									
5 - 11 5/8 (1819)	UCAP4072 T	UCAP4872 T	UCAP5672 T	UCAP6072 T	UCAP6472 T	UCAP7272 T*	UCAP8072 T*	UCAP8872 T*	UCAP9672 T*
5 - 11 1/8 (1806)									
5 - 5 21/64 (1659)									
6 - 5 3/8 (1965)									
6 - 5 5/8 (1971)	UCAP4078 T	UCAP4878 T	UCAP5678 T	UCAP6078 T	UCAP6478 T	UCAP7278 T*	UCAP8078 T*	UCAP8878 T*	UCAP9678 T*
6 - 5 1/8 (1958)									
5 - 11 21/64 (1812)									
6 - 11 3/8 (2117)									
6 - 11 5/8 (2124)	UCAP4084 T	UCAP4884 T	UCAP5684 T	UCAP6084 T	UCAP6484 T	UCAP7284 T*	UCAP8084 T*	UCAP8884 T*	UCAP9684 T*
6 - 11 1/8 (2111)									
6 - 5 21/64 (1964)									
7 - 7 3/8 (2320)									
7 - 7 5/8 (2327)	UCAP4092 T	UCAP4892 T	UCAP5692 T	UCAP6092 T	UCAP6492 T	UCAP7292 T*	UCAP8092 T*	UCAP8892 T*	UCAP9692 T*
7 - 7 1/8 (2314)									
7 - 1 21/64 (2167)									
7 - 11 3/8 (2422)									
7 - 11 5/8 (2428)	UCAP4096 T	UCAP4896 T	UCAP5696 T	UCAP6096 T	UCAP6496 T	UCAP7296 T*	UCAP8096 T*	UCAP8896 T*	UCAP9696 T*
7 - 11 1/8 (2416)									
7 - 5 21/64 (2269)									

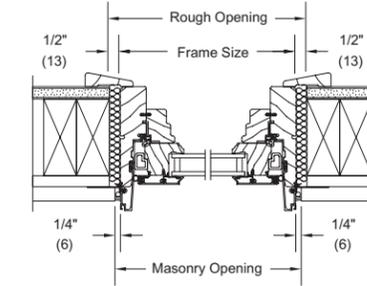
Details and Elevations not to scale.  
 T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 72 1/16" or larger and units with a frame size of 25.2 ft² and larger.  
 \* Larger sizes require 1" insulating glass.

### Casement Picture / Casement Push Out Picture

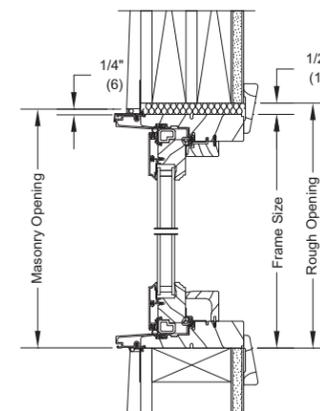
#### Construction Details



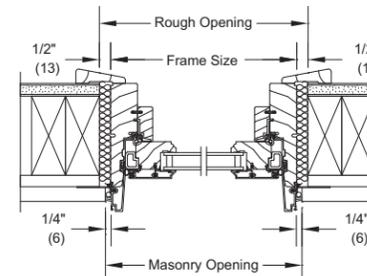
HEAD JAMB AND SILL - PICTURE



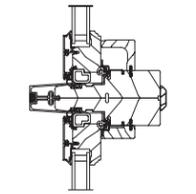
JAMB - PICTURE



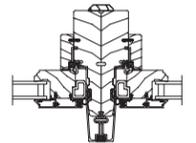
PUSH OUT HEAD JAMB AND SILL - PICTURE



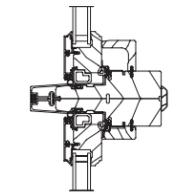
PUSH OUT JAMB - PICTURE



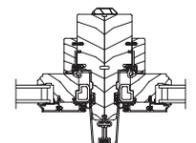
HORIZONTAL MULLION



VERTICAL MULLION



PUSH OUT HORIZONTAL MULLION PICTURE

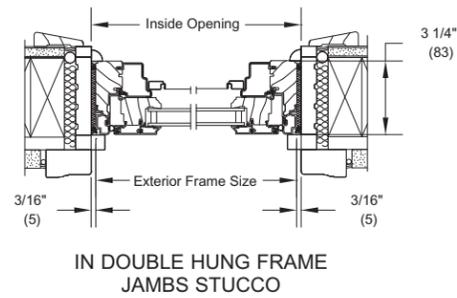
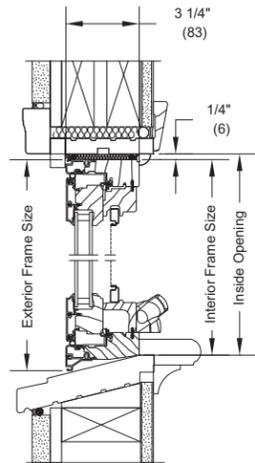
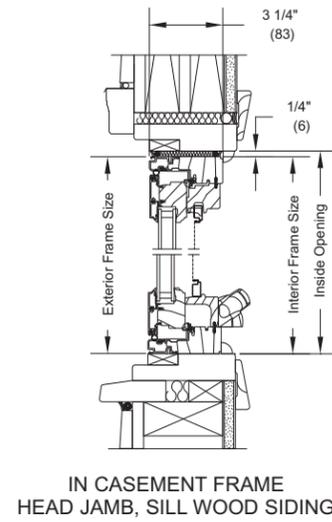
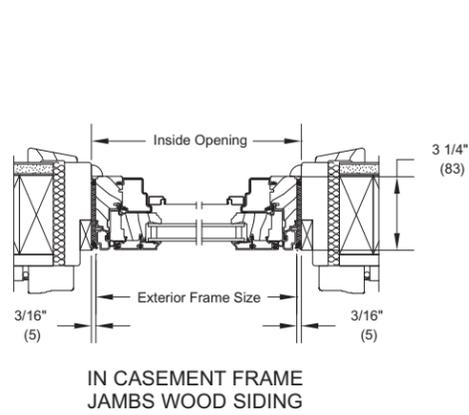


PUSH OUT VERTICAL MULLION PICTURE

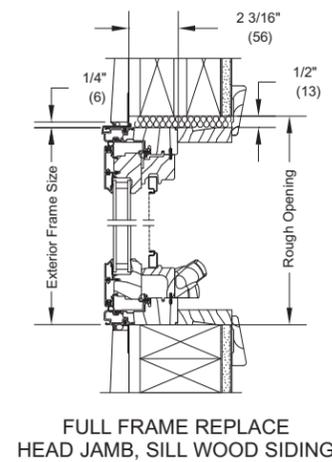
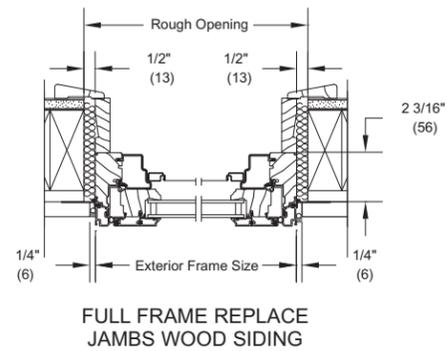
Please consult your local Marvin representative for more information.  
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# Casement Narrow Frame

## Construction Details

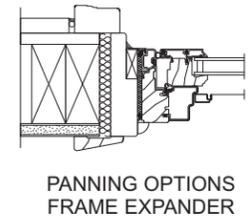
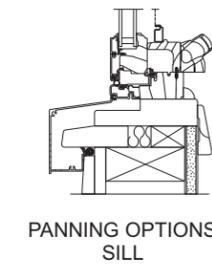
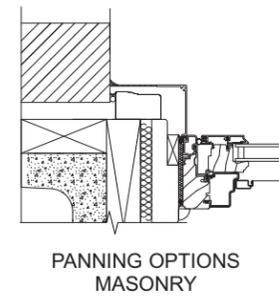
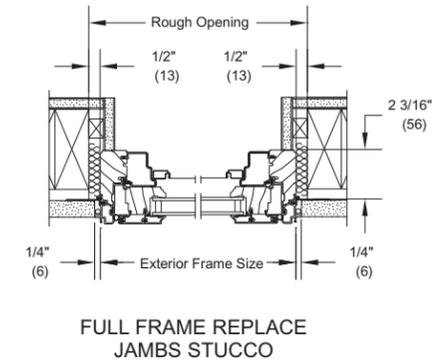
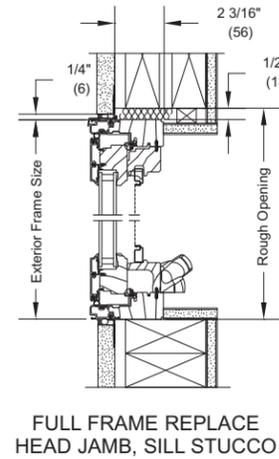


**IN DOUBLE HUNG FRAME  
HEAD JAMB, SILL STUCCO**



# Casement Narrow Frame

## Construction Details

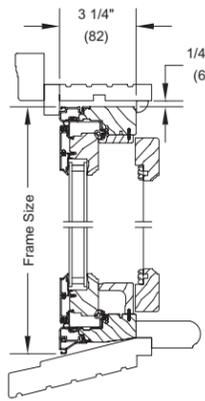


Details and Elevations not to scale.

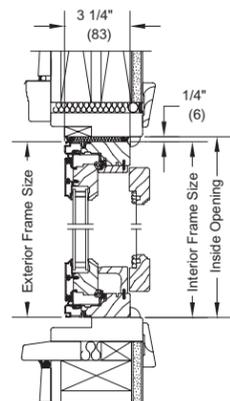
- Ultimate Casement Narrow Frame Windows are manufactured to your specifications.
  - 2 3/16" jambs (full frame installation) 3 1/4" jambs frame-in-frame insert application.
  - On sizes less than 20" wide, sash does not rotate into wash mode.
  - Bottom of the sill is available with either a flat, 8" or 14" frame bevel.
  - For complete measurement instructions, visit [Marvin.com](http://Marvin.com).
- Please consult your local Marvin representative for more information.  
For further details and drawings visit the 'Technical Specifications' section at [Marvin.com](http://Marvin.com).

# Casement Narrow Frame Push Out

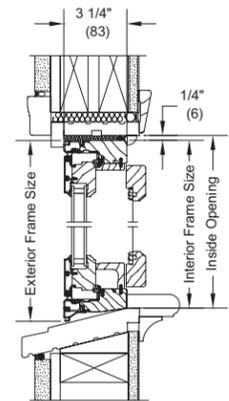
Construction Details - With Screen



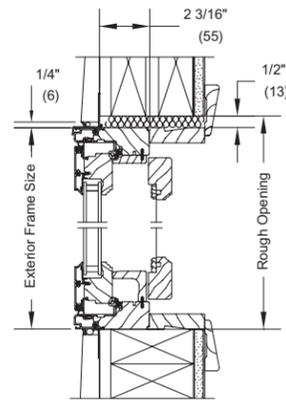
OPERATOR HEAD JAMB AND SILL



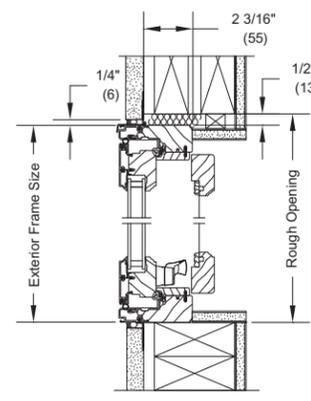
HEAD JAMB AND SILL WOOD SIDING



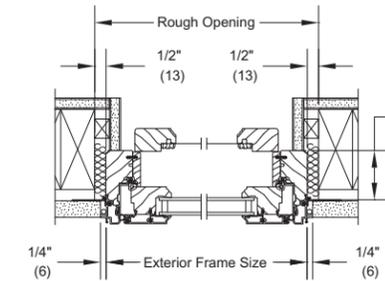
DOUBLE HUNG HEAD JAMB AND SILL STUCCO



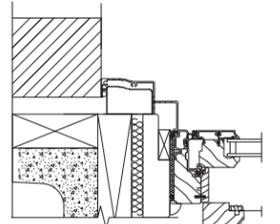
FULL FRAME HEAD JAMB AND SILL WOOD SIDING



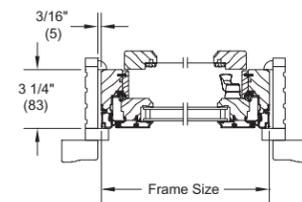
FULL FRAME HEAD JAMB AND SILL STUCCO



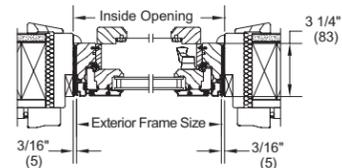
FULL FRAME JAMB STUCCO



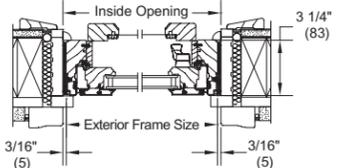
PANNING OPTIONS MASONRY



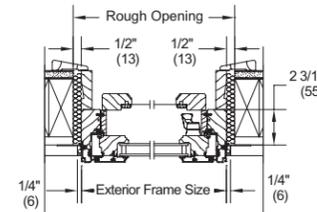
OPERATOR JAMB



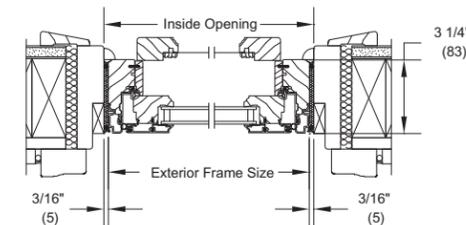
JAMB WOOD SIDING



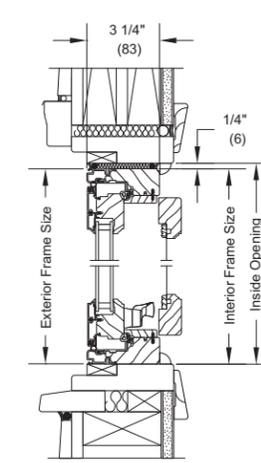
DOUBLE HUNG JAMB STUCCO



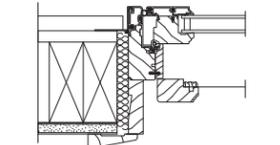
FULL FRAME JAMB WOOD SIDING



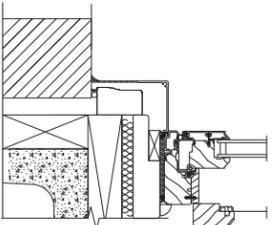
JAMB INSTALLED IN EXISTING CM FRAME



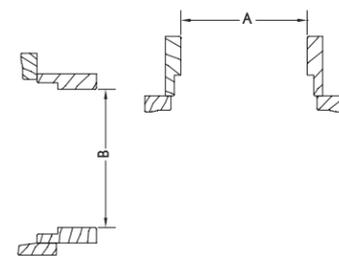
HEAD JAMB AND SILL INSTALLED IN EXISTING CM FRAME



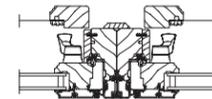
PANNING OPTIONS KERF COVER



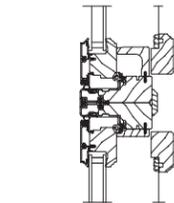
PANNING OPTIONS MASONRY



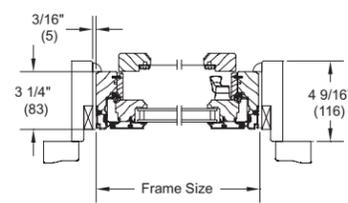
MEASUREMENT INSTRUCTIONS EXISTING WINDOW FRAME



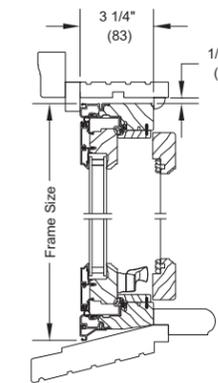
OPERATOR VERTICAL MULLION



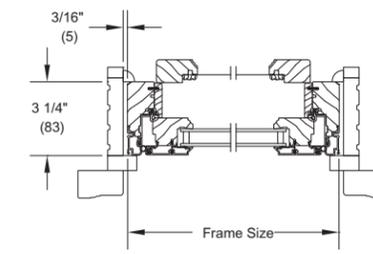
OPERATOR HORIZONTAL MULLION



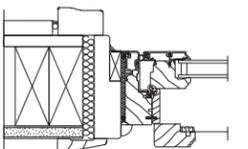
FULL FRAME JAMB INSTALLED IN EXISTING FRAME



OPERATOR HEAD JAMB AND SILL INSTALLED IN EXISTING DH FRAME



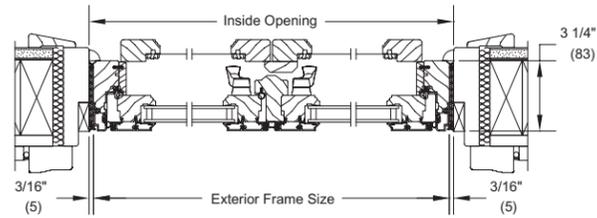
OPERATOR JAMB INSTALLED IN EXISTING DH FRAME



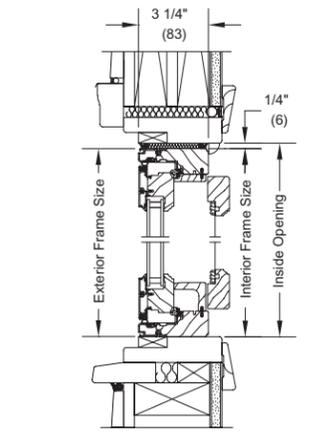
PANNING OPTIONS FRAME EXPANDER

# French Casement Narrow Frame Push Out

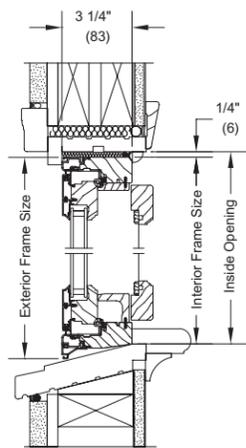
Construction Details - With Option Screen



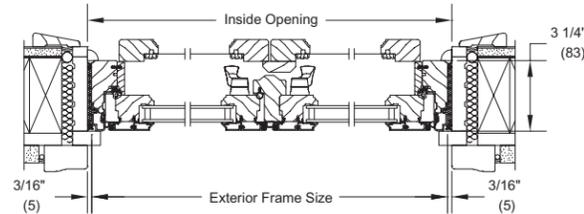
IN CASEMENT FRAME  
JAMBS WOOD SIDING



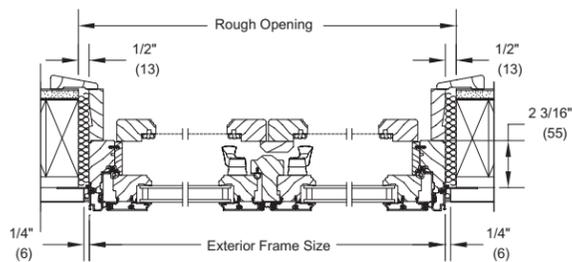
IN CASEMENT FRAME  
HEAD JAMB, SILL WOOD SIDING



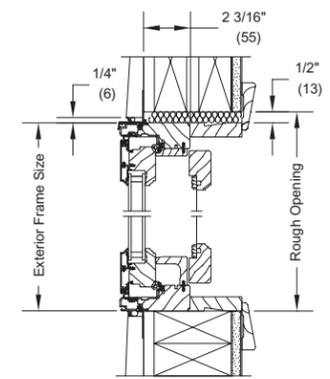
IN DOUBLE HUNG FRAME  
HEAD JAMB, SILL STUCCO



IN DOUBLE HUNG FRAME  
JAMBS STUCCO



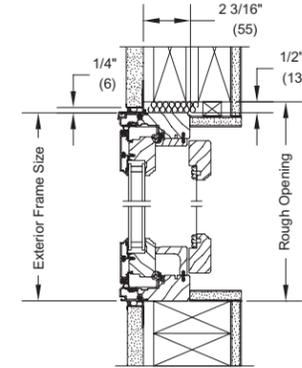
FULL FRAME REPLACE  
JAMBS WOOD SIDING



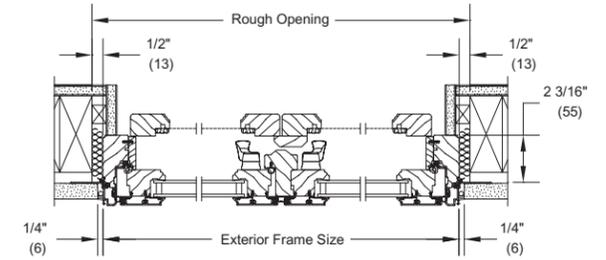
FULL FRAME REPLACE  
HEAD JAMB, SILL WOOD SIDING

# French Casement Narrow Frame Push Out

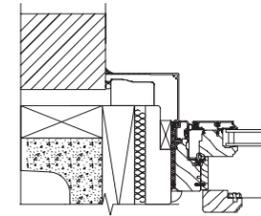
Construction Details



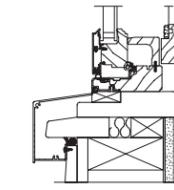
FULL FRAME REPLACE  
HEAD JAMB, SILL STUCCO



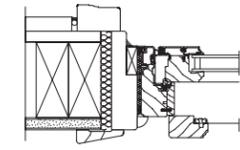
FULL FRAME REPLACE  
JAMBS STUCCO



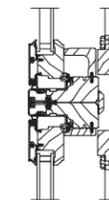
PANNING OPTIONS  
MASONRY



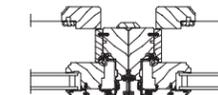
PANNING OPTIONS  
SILL



PANNING OPTIONS  
FRAME EXPANDER



HORIZONTAL MULLION  
OPERATOR



VERTICAL MULLION  
OPERATOR

Details and Elevations not to scale.

- Ultimate Casement Narrow Frame Windows are manufactured to your specifications.
- Available as a clad wood window only.
- 2 3/16" jambs (full frame installation) 3 1/4" jambs frame-in-frame insert application.
- On sizes less than 20" wide, sash does not rotate into wash mode.
- Bottom of the sill is available with either a flat, 8" or 14" frame bevel.
- For complete measurement instructions, visit [Marvin.com](http://Marvin.com).

Please consult your local Marvin representative for more information.

For further details and drawings visit the 'Technical Specifications' section at [Marvin.com](http://Marvin.com).

# Wood Casement Round Top

RT6 Eyebrow Above Springline Standard Sizes - Operator and Stationary

RO (mm)	1 - 5 (432)	1 - 7 (483)	1 - 9 (533)	2 - 1 (635)	2 - 3 (686)	2 - 5 (737)	2 - 7 (787)	2 - 9 (838)	3 - 1 (940)
2 - 8 9/16 (827)									
	UWCART1632	UWCART1832	UWCART2032						
3 - 9 1/16 (929)									
	UWCART1636	UWCART1836	UWCART2036	UWCART2436					
3 - 4 9/16 (1030)									
	UWCART1640	UWCART1840	UWCART2040	UWCART2440	UWCART2640	UWCART2840			
3 - 8 9/16 (1132)									
	UWCART1644	UWCART1844	UWCART2044	UWCART2444	UWCART2644	UWCART2844	UWCART3044 E		
4 - 9/16 (1234)									
	UWCART1648	UWCART1848	UWCART2048	UWCART2448	UWCART2648	UWCART2848 E	UWCART3048 E	UWCART3248 E	
4 - 6 9/16 (1386)									
	UWCART1654	UWCART1854	UWCART2054	UWCART2454	UWCART2654 E	UWCART2854 E	UWCART3054 E	UWCART3254 E	UWCART3654 E

Details and Elevations not to scale.

- Marvin exclusive wash mode is not available on Ultimate Casement Round Tops.
- Rough opening height includes 15/16" subsill.

E These windows meet national Egress codes for fire evacuation. Local codes may differ.

**ULTIMATE WOOD CASEMENT ROUND TOP: UWCART**

# Wood Casement Round Top

RT6 Eyebrow Above Springline Standard Sizes - Operator and Stationary

RO (mm)	1 - 5 (432)	1 - 7 (483)	1 - 9 (533)	2 - 1 (635)	2 - 3 (686)	2 - 5 (737)	2 - 7 (787)	2 - 9 (838)	3 - 1 (940)	3 - 5 (1041)
4 - 8 9/16 (1437)										
	UWCART1656	UWCART1856	UWCART2056	UWCART2456	UWCART2656 E	UWCART2856 E	UWCART3056 E	UWCART3256 E	UWCART3656 E	
5 - 9 1/16 (1538)										
	UWCART1660	UWCART1860	UWCART2060	UWCART2460	UWCART2660 E	UWCART2860 E	UWCART3060 E	UWCART3260 E	UWCART3660 E	UWCART4060 E
5 - 4 9/16 (1640)										
	UWCART1664	UWCART1864	UWCART2064	UWCART2464	UWCART2664 E	UWCART2864 E	UWCART3064 E	UWCART3264 E	UWCART3664 E	UWCART4064 E
6 - 9/16 (1843)										
	UWCART1672 T	UWCART1872 T	UWCART2072 T	UWCART2472 T	UWCART2672 T	UWCART2872 T	UWCART3072 T	UWCART3272 T	UWCART3672 T	UWCART4072 T
6 - 6 9/16 (1996)										
	UWCART1678 T	UWCART1878 T	UWCART2078 T	UWCART2478 T	UWCART2678 T	UWCART2878 T	UWCART3078 T	UWCART3278 T	UWCART3678 T	UWCART4078 T

Details and Elevations not to scale.

- Marvin exclusive wash mode is not available on Ultimate Casement Round Tops.
- Rough opening height includes 15/16" subsill.

E These windows meet national Egress codes for fire evacuation. Local codes may differ.

T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with basic frame size 25.2 ft² and larger. Please consult your local Marvin representative for more information.

For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Wood Casement Round Top

## RT6 Eyebrow Above Springline Standard Sizes - Operator and Stationary

RO (mm)	1 - 5 (432)	1 - 7 (483)	1 - 9 (533)	2 - 1 (635)	2 - 3 (686)	2 - 5 (737)	2 - 7 (787)	2 - 9 (838)	3 - 1 (940)	3 - 5 (1041)
7 - 1/16 (2195)										
	UWCART1684 T	UWCART1884 T	UWCART2084 T	UWCART2484 T	UWCART2684 T	UWCART2884 T	UWCART3084 T	UWCART3284 T	UWCART3684 T	UWCART4084 T
7 - 8 1/16 (2338)										
	UWCART1692 T	UWCART1892 T	UWCART2092 T	UWCART2492 T	UWCART2692 T	UWCART2892 T	UWCART3092 T	UWCART3292 T	UWCART3692 T	UWCART4092 T
8 - 1/16 (2440)										
	UWCART1696 T	UWCART1896 T	UWCART2096 T	UWCART2496 T	UWCART2696 T	UWCART2896 T	UWCART3096 T	UWCART3296 T	UWCART3696 T	

# Wood Casement Round Top

## RT21 / RT22 Two Wide Standard Sizes - Operator and Stationary

RO (mm)	2-9 (838)	3-1 (940)	3-5 (1041)	4-1 (1245)	4-5 (1346)	4-9 (1448)
2-8 9/16 (827)						
	UWCART 2W 1632					
3-0 9/16 (929)						
	UWCART 2W 1636	UWCART 2W 1836	UWCART 2W 2036			
3-4 9/16 (1030)						
	UWCART 2W 1640	UWCART 2W 1840	UWCART 2W 2040	UWCART 2W 2440		
3-8 9/16 (1132)						
	UWCART 2W 1644	UWCART 2W 1844	UWCART 2W 2044	UWCART 2W 2444		UWCART 2W 2844
4-0 9/16 (1234)						
	UWCART 2W 1648	UWCART 2W 1848	UWCART 2W 2048	UWCART 2W 2448	UWCART 2W 2648	UWCART 2W 2848 E
4-6 9/16 (1386)						
	UWCART 2W 1654	UWCART 2W 1854	UWCART 2W 2054	UWCART 2W 2454	UWCART 2W 2654	UWCART 2W 2854 E
4-8 9/16 (1437)						
	UWCART 2W 1656	UWCART 2W 1856	UWCART 2W 2056	UWCART 2W 2456	UWCART 2W 2656	UWCART 2W 2856 E
5-0 9/16 (1538)						
	UWCART 2W 1660	UWCART 2W 1860	UWCART 2W 2060	UWCART 2W 2460	UWCART 2W 2660	UWCART 2W 2860 E

Details and Elevations not to scale.

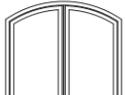
- Marvin exclusive wash mode is not available on Ultimate Casement Round Tops.
- Rough opening height includes 15/16" subsill.

E These windows meet national Egress codes for fire evacuation. Local codes may differ. Please consult your local Marvin representative for more information.

For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Wood Casement Round Top

RT21 / RT22 Two Wide Standard Sizes - Operator and Stationary

RO (mm)	5-1 (1549)	5-5 (1651)	6-1 (1854)
4-0 9/16 (1234)	 UWCART 2W 3048 E		
4-6 9/16 (1386)	 UWCART 2W 3054 E	 UWCART 2W 3254 E	
4-8 9/16 (1437)	 UWCART 2W 3056 E	 UWCART 2W 3256 E	 UWCART 2W 3656 E
5-0 9/16 (1538)	 UWCART 2W 3060 E	 UWCART 2W 3260 E	 UWCART 2W 3660 E

# Wood Casement Round Top

RT21 / RT22 Two Wide Standard Sizes - Operator And Stationary

RO (mm)	2-9 (838)	3-1 (940)	3-5 (1041)	4-1 (1245)	4-5 (1346)	4-9 (1448)
5-4 9/16 (1640)	 UWCART 2W 1664	 UWCART 2W 1864	 UWCART 2W 2064	 UWCART 2W 2464	 UWCART 2W 2664	 UWCART 2W 2864 E
6-0 9/16 (1843)	 UWCART 2W 1672 T	 UWCART 2W 1872 T	 UWCART 2W 2072 T	 UWCART 2W 2472 T	 UWCART 2W 2672 T	 UWCART 2W 2872 T
6-6 9/16 (1996)	 UWCART 2W 1678 T	 UWCART 2W 1878 T	 UWCART 2W 2078 T	 UWCART 2W 2478 T	 UWCART 2W 2678 T	 UWCART 2W 2878 T
7-0 9/16 (2148)	 UWCART 2W 1684 T	 UWCART 2W 1884 T	 UWCART 2W 2084 T	 UWCART 2W 2484 T	 UWCART 2W 2684 T	 UWCART 2W 2884 T
7-8 9/16 (2351)	 UWCART 2W 1692 T	 UWCART 2W 1892 T	 UWCART 2W 2092 T	 UWCART 2W 2492 T	 UWCART 2W 2692 T	 UWCART 2W 2892 T
8-0 9/16 (2453)	 UWCART 2W 1696 T	 UWCART 2W 1896 T	 UWCART 2W 2096 T	 UWCART 2W 2496 T	 UWCART 2W 2696 T	 UWCART 2W 2896 T

Details and Elevations not to scale.

- Marvin exclusive wash mode is not available on Ultimate Casement Round Tops.
- Rough opening height includes 15/16" subsill.

E These windows meet national Egress codes for fire evacuation. Local codes may differ.

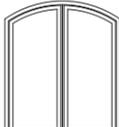
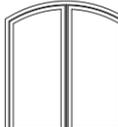
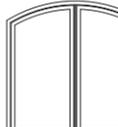
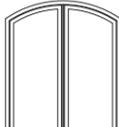
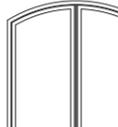
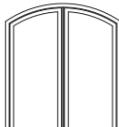
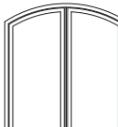
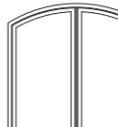
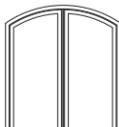
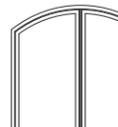
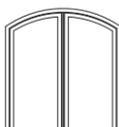
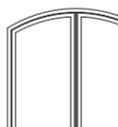
T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with basic frame size 25.2 ft² and larger.

Please consult your local Marvin representative for more information.

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# Wood Casement Round Top

RT21 / RT22 Two Wide Standard Sizes - Operator and Stationary

RO (mm)	5-1 (1549)	5-5 (1651)	6-1 (1854)	6-9 (2057)
5-4 9/16 (1640)	 UWCART 2W 3064 E	 UWCART 2W 3264 E	 UWCART 2W 3664 E	 UWCART 2W 4064 E
6-0 9/16 (1843)	 UWCART 2W 3072 T	 UWCART 2W 3272 T	 UWCART 2W 3672 T	 UWCART 2W 4072 T
6-6 9/16 (1986)	 UWCART 2W 3078 T	 UWCART 2W 3278 T	 UWCART 2W 3678 T	 UWCART 2W 4078 T
7-0 9/16 (2148)	 UWCART 2W 3084 T	 UWCART 2W 3284 T	 UWCART 2W 3684 T	 UWCART 2W 4084 T
7-8 9/16 (2351)	 UWCART 2W 3092 T	 UWCART 2W 3292 T	 UWCART 2W 3692 T	 UWCART 2W 4092 T
8-0 9/16 (2453)	 UWCART 2W 3096 T	 UWCART 2W 3296 T	 UWCART 2W 3696 T	

# Wood Casement Round Top

RT2 Standard Sizes - Operator and Stationary

RO (mm)	2 - 1 (635)	2 - 3 (686)	2 - 5 (737)	2 - 7 (787)	2 - 9 (838)	3 - 1 (940)	3 - 5 (1041)
3 - 8 9/16 (1132)	 UWCART2444						
4 - 9/16 (1234)	 UWCART2448	 UWCART2648					
4 - 6 9/16 (1386)	 UWCART2454	 UWCART2654	 UWCART2854	 UWCART3054 E			
4 - 8 9/16 (1437)	 UWCART2456	 UWCART2656	 UWCART2856 E	 UWCART3056 E	 UWCART3256 E		
5 - 9/16 (1538)	 UWCART2460	 UWCART2660 E	 UWCART2860 E	 UWCART3060 E	 UWCART3260 E		
5 - 4 9/16 (1640)	 UWCART2464	 UWCART2664 E	 UWCART2864 E	 UWCART3064 E	 UWCART3264 E	 UWCART3664 E	
6 - 9/16 (1843)	 UWCART2472 T	 UWCART2672 T	 UWCART2872 T	 UWCART3072 T	 UWCART3272 T	 UWCART3672 T	 UWCART4072 T

Details and Elevations not to scale.

- Rough opening height does not include subsill. If units are not used as transom, add 15/16" to height for subsill.

E These windows meet national Egress codes for fire evacuation. Local codes may differ.

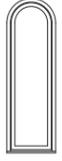
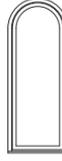
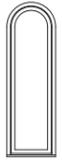
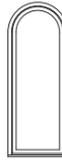
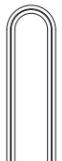
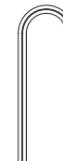
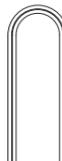
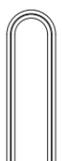
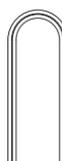
T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with basic frame size 25.2 ft² and larger.

Please consult your local Marvin representative for more information.

For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

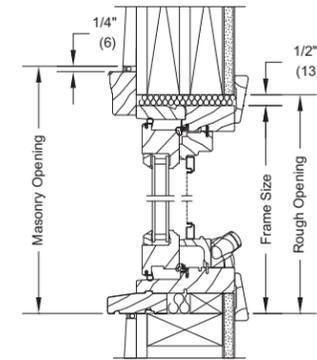
# Wood Casement Round Top

RT2 Standard Sizes Operator and Stationary

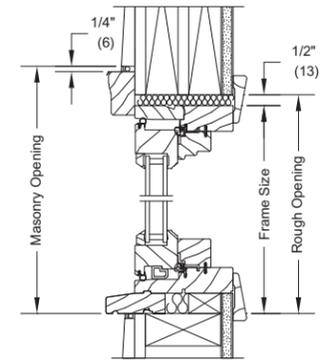
RO (mm)	2 - 1 (635)	2 - 3 (686)	2 - 5 (737)	2 - 7 (787)	2 - 9 (838)	3 - 1 (940)	3 - 5 (1041)
6 - 6 9/16 (1966)							
7 - 9/16 (2148)							
7 - 8 9/16 (2351)							
8 - 9/16 (2453)							

# Wood Casement Round Top

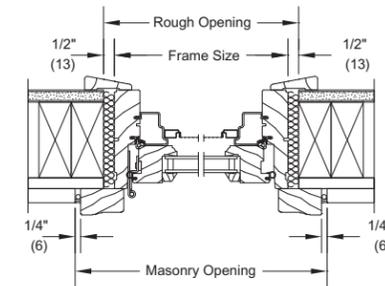
Construction Details



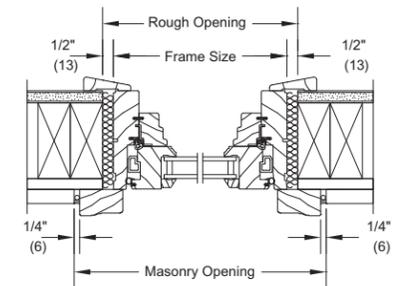
HEAD JAMB AND SILL - OPERATOR



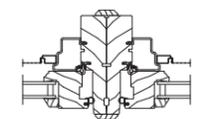
HEAD JAMB AND SILL - STATIONARY



JAMB - OPERATOR



JAMB - STATIONARY



VERTICAL MULLION OPERATOR

## Wood Casement Transom Picture Round Top

RT6 Standard Sizes Stationary Unit As Transom - In Sash

RO (mm)	2 - 1 (635)	2 - 3 (686)	2 - 5 (737)	2 - 7 (787)	2 - 9 (838)
1 - 6 1/2 (470)	 UWCATRR2419	 UWCATRR2619	 UWCATRR2819	 UWCATRR3019	 UWCATRR3219
2 - 0 1/2 (622)	 UWCATRR2423	 UWCATRR2623	 UWCATRR2823	 UWCATRR3023	 UWCATRR3223
3 - 0 1/2 (927)	 UWCATRR2435	 UWCATRR2635	 UWCATRR2835	 UWCATRR3035	 UWCATRR3235
4 - 0 1/2 (1232)	 UWCATRR2447	 UWCATRR2647	 UWCATRR2847	 UWCATRR3047	 UWCATRR3247
5 - 0 1/2 (1537)	 UWCATRR2459	 UWCATRR2659	 UWCATRR2859	 UWCATRR3059	 UWCATRR3259
6 - 0 1/2 (1842)	 UWCATRR2471 T	 UWCATRR2671 T	 UWCATRR2871 T	 UWCATRR3071 T	 UWCATRR3271 T

ULTIMATE WOOD CASEMENT TRANSOM PICTURE ROUND TOP: UWCATRR

## Wood Casement Transom Picture Round Top

RT6 Standard Sizes Stationary Unit As Transom - In Sash

RO (mm)	3 - 1 (939)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	6 - 1 (1854)
1 - 6 1/2 (470)	 UWCATRR3619	 UWCATRR4019	 UWCATRR4819	 UWCATRR5619	 UWCATRR7219
2 - 0 1/2 (622)	 UWCATRR3623	 UWCATRR4023	 UWCATRR4823	 UWCATRR5623	 UWCATRR7223
3 - 0 1/2 (927)	 UWCATRR3635	 UWCATRR4035	 UWCATRR4835	 UWCATRR5635	 UWCATRR7235
4 - 0 1/2 (1232)	 UWCATRR3647	 UWCATRR4047	 UWCATRR4847	 UWCATRR5647	 UWCATRR7247
5 - 0 1/2 (1537)	 UWCATRR3659	 UWCATRR4059	 UWCATRR4859	 UWCATRR5659	 UWCATRR7259
6 - 0 1/2 (1842)	 UWCATRR3671 T	 UWCATRR4071 T	 UWCATRR4871 T	 UWCATRR5671 T	 UWCATRR7271 T

Details and Elevations not to scale.

- Rough opening height does not include subsill. If units are not used as transom, add 19/16" to height for subsill.
- Units with basic frame size 25.2 ft² and larger may require tempered glass.
- T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with basic frame size 25.2 ft².

Please consult your local Marvin representative for more information.

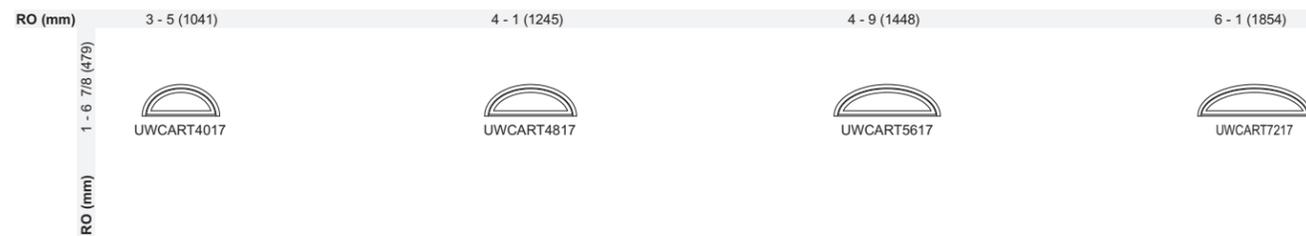
For further details and drawings visit the "Technical Specifications" section at Marvin.com.

# Wood Casement Picture Round Top

## RT1 Standard Sizes - In Sash



## RT29 Standard Sizes - In Sash

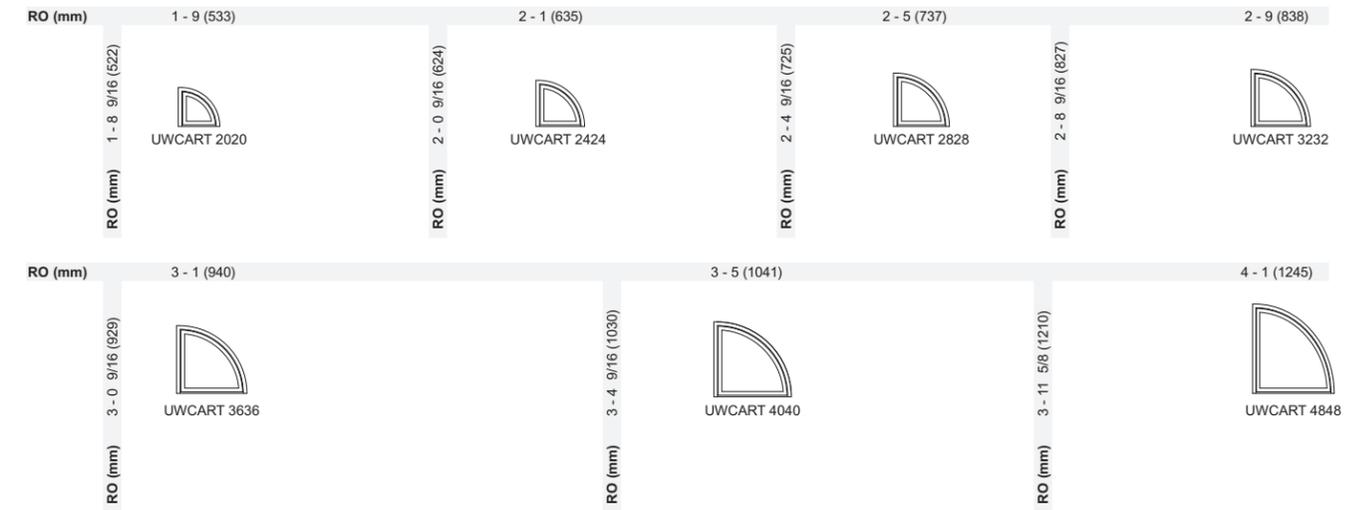


ULTIMATE WOOD CASEMENT PICTURE ROUND TOP: UWCART

# Wood Direct Glaze Round Top - Casement

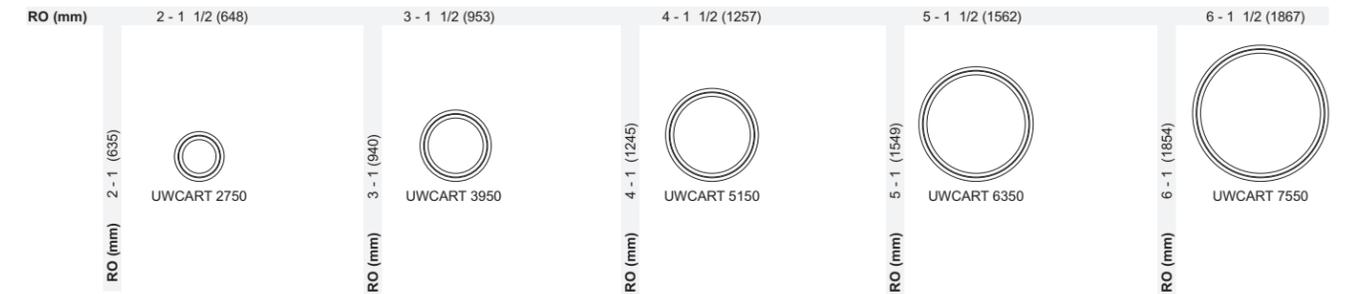
## Quarter Circle

### RT15 / RT16 Standard Sizes (RT16 Shown) - In Sash



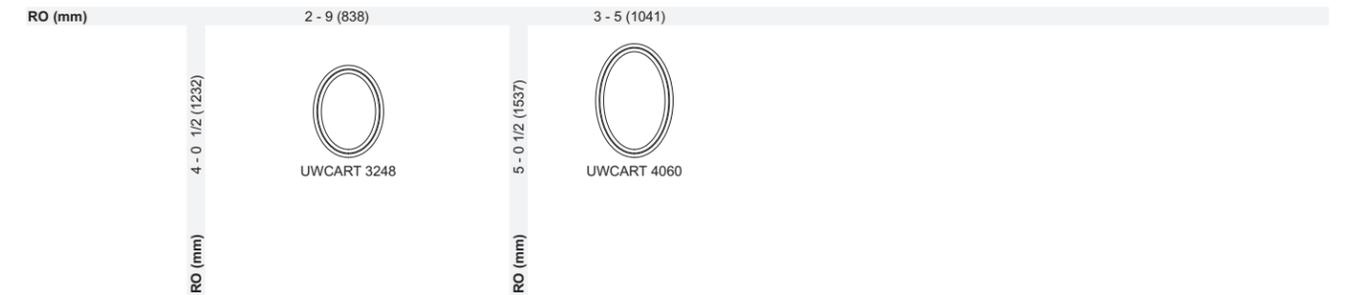
## Full Circle

### RT27 Standard Sizes - In Sash



## Ellipse

### RT28 Standard Sizes - In Sash



# Wood Direct Glaze Round Top - Casement

## RT6 Eyebrow Above Springline Standard Sizes - Direct Glaze

RO (mm)	2 - 1 (635)	2 - 5 (737)	2 - 9 (838)	3 - 1 (940)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	6 - 1 (1854)
1 - 1 7/16 (341)	UWDGRT2411	UWDGRT2811	UWDGRT3211	UWDGRT3611	UWDGRT4011			
1 - 7 7/16 (494)	UWDGRT2419	UWDGRT2819	UWDGRT3219	UWDGRT3619	UWDGRT4019	UWDGRT4819	UWDGRT5619	UWDGRT7219
2 - 1 7/16 (646)	UWDGRT2423	UWDGRT2823	UWDGRT3223	UWDGRT3623	UWDGRT4023	UWDGRT4823	UWDGRT5623	UWDGRT7223
3 - 1 7/16 (951)	UWDGRT2435	UWDGRT2835	UWDGRT3235	UWDGRT3635	UWDGRT4035	UWDGRT4835	UWDGRT5635	UWDGRT7235
4 - 1 7/16 (1256)	UWDGRT2447	UWDGRT2847	UWDGRT3247	UWDGRT3647	UWDGRT4047	UWDGRT4847	UWDGRT5647	UWDGRT7247
5 - 1 7/16 (1561)	UWDGRT2459	UWDGRT2859	UWDGRT3259	UWDGRT3659	UWDGRT4059	UWDGRT4859	UWDGRT5659	UWDGRT7259
6 - 1 7/16 (1865)	UWDGRT2471	UWDGRT2871	UWDGRT3271	UWDGRT3671	UWDGRT4071	UWDGRT4871	UWDGRT5671	UWDGRT7271

ULTIMATE WOOD DIRECT GLAZE ROUND TOP: UWDGRT

# Wood Direct Glaze Round Top - Casement

## RT15 / RT16 Standard Sizes (RT16 Shown) - Direct Glaze

RO (mm)	1 - 9 (533)	2 - 1 (635)	2 - 5 (737)	2 - 9 (838)	3 - 1 (940)	3 - 5 (1041)	4 - 1 (1245)
1 - 7 5/8 (498)	UWDGRT 2020	UWDGRT 2424	UWDGRT 2828	UWDGRT 3232	UWDGRT 3636	UWDGRT 4040	UWDGRT 4848

## RT1 True Half Circle Standard Sizes - Direct Glaze

RO (mm)	1 - 9 (533)	2 - 1 (635)	2 - 5 (737)	2 - 9 (838)	3 - 1 (940)
0 - 10 1/2 (267)	UWDGRT2010	UWDGRT 2412	UWDGRT 2814	UWDGRT 3216	UWDGRT 3618
1 - 8 1/2 (521)	UWDGRT4020	UWDGRT4824	UWDGRT5628	UWDGRT6026	UWDGRT6432
3 - 0 1/2 (927)	UWDGRT7236		UWDGRT8442		UWDGRT9648

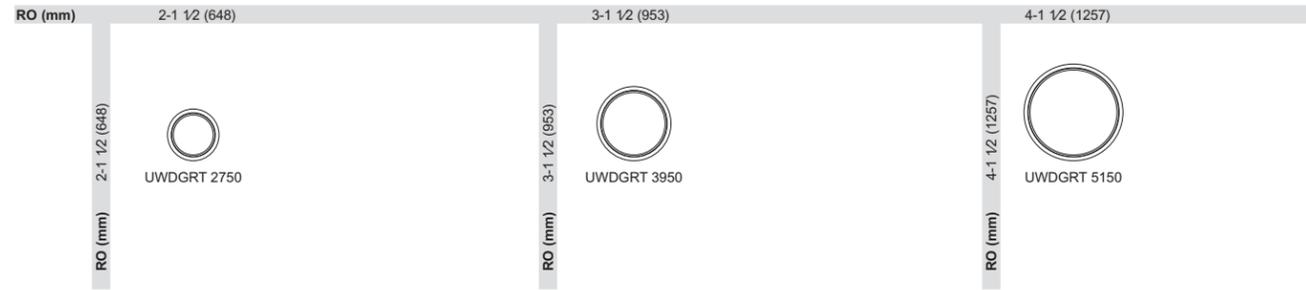
## RT29 Standard Sizes - Direct Glaze

RO (mm)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	6 - 1 (1854)	7 - 1 (2159)
1 - 5 15/16 (456)	UWDGRT4017	UWDGRT4817	UWDGRT5617	UWDGRT7217	UWDGRT8417

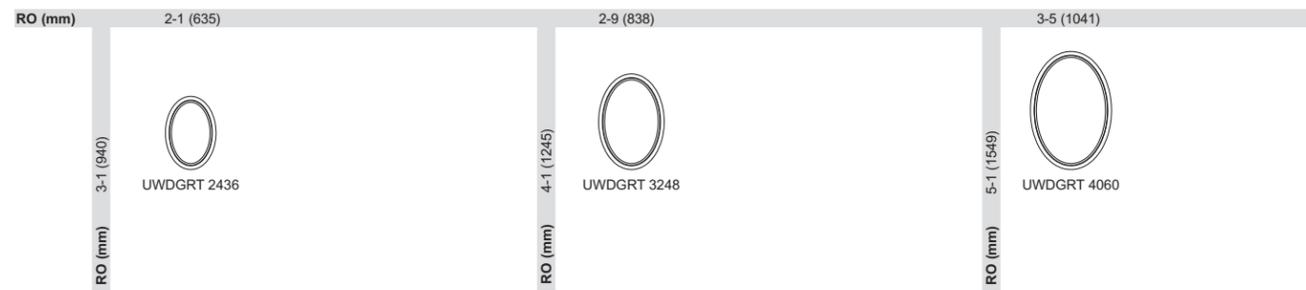
Details and Elevations not to scale.  
Please consult your local Marvin representative for masonry openings that include casings.  
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Wood Direct Glaze Round Top - Casement

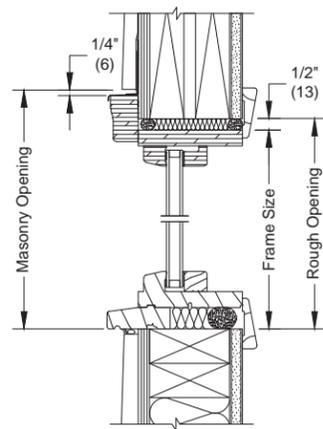
## RT27 Full Circle Standard Sizes - Direct Glaze



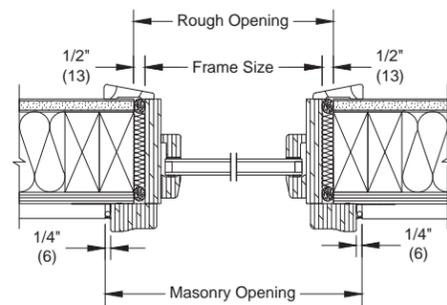
## RT28 Ellipse Standard Sizes - Direct Glaze



## Construction Details



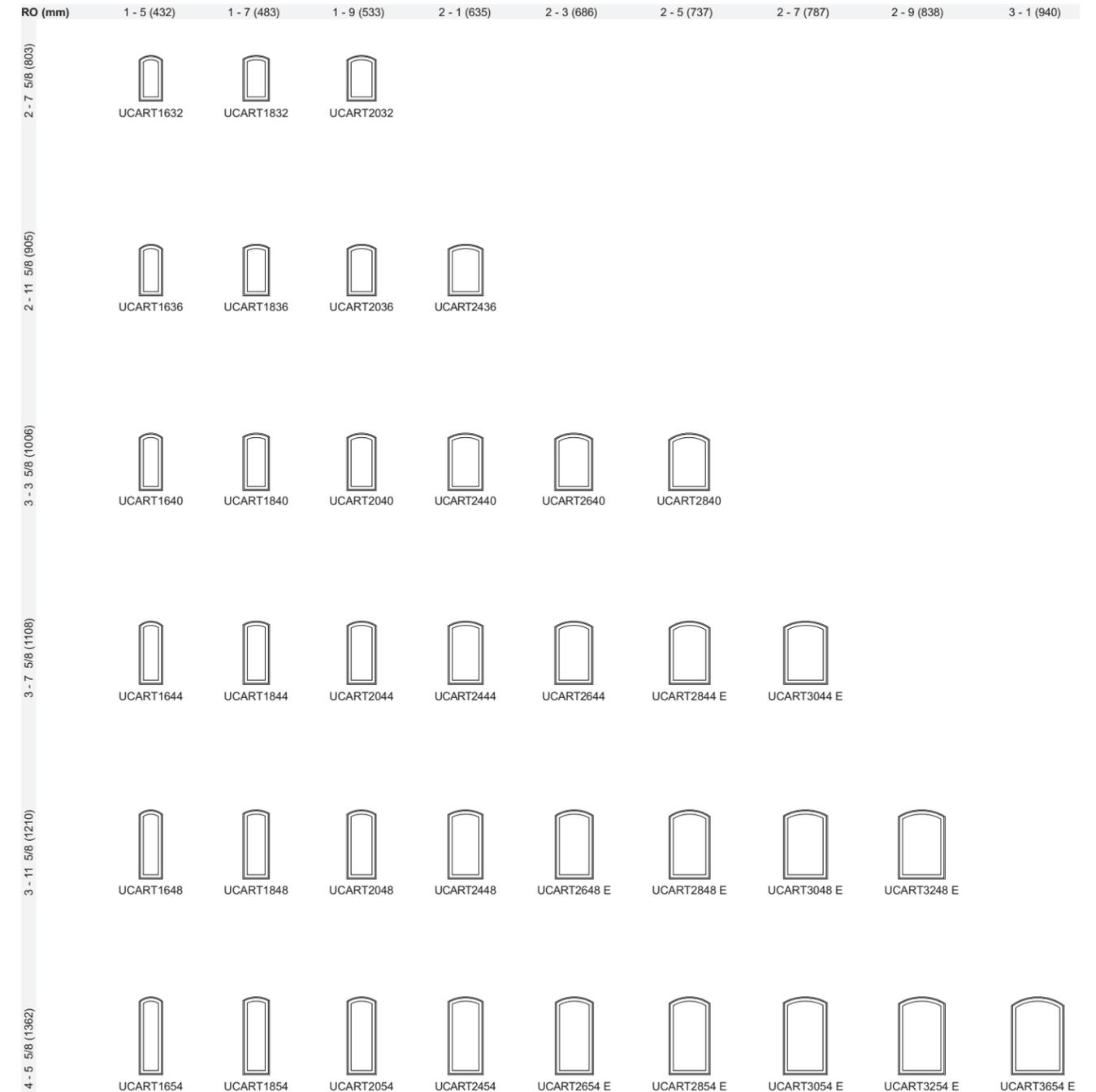
HEAD JAMB AND SILL - DIRECT GLAZE



JAMB - DIRECT GLAZE

# Casement Round Top

## RTT Eyebrow Above Springline Standard Sizes - Operator and Stationary



ULTIMATE CASEMENT ROUND TOP: UCART

# Casement Round Top

## RT6 Eyebrow Above Springline Standard Sizes - Operator and Stationary

RO (mm)	1 - 5 (432)	1 - 7 (483)	1 - 9 (533)	2 - 1 (635)	2 - 3 (686)	2 - 5 (737)	2 - 7 (787)	2 - 9 (838)	3 - 1 (940)	3 - 5 (1041)
4 - 7 5/8 (1413)										
4 - 11 5/8 (1514)										
5 - 3 5/8 (1616)										
5 - 11 5/8 (1819)										
6 - 5 5/8 (1972)										

Details and Elevations not to scale.

- Marvin exclusive wash mode is not available on Ultimate Casement Round Tops.

E These windows meet national Egress codes for fire evacuation. Local codes may differ.  
 T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with basic frame size 25.2 ft<sup>2</sup>.  
 Please consult your local Marvin representative for more information.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Casement Round Top

## RT6 Eyebrow Above Springline Standard Sizes - Operator and Stationary

RO (mm)	1 - 5 (432)	1 - 7 (483)	1 - 9 (533)	2 - 1 (635)	2 - 3 (686)	2 - 5 (737)	2 - 7 (787)	2 - 9 (838)	3 - 1 (940)	3 - 5 (1041)
6 - 11 5/8 (2124)										
7 - 7 5/8 (2327)										
7 - 11 5/8 (2429)										

Details and Elevations not to scale.

- Marvin exclusive wash mode is not available on Ultimate Casement Round Tops.
- Rough opening height includes 15/16" subsill.

T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with basic frame size 25.2 ft<sup>2</sup>.  
 E These windows meet national Egress codes for fire evacuation. Local codes may differ.  
 Please consult your local Marvin representative for more information.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Casement Round Top

RT21 / RT22 Two Wide Standard Sizes - Operator And Stationary

RO (mm)	2-9 (838)	3-1 (940)	3-5 (1041)	4-1 (1245)	4-5 (1346)	4-9 (1448)
2-7 5/8 (803)	 UCART1632					
2-11 5/8 (905)	 UCART1636	 UCART1836	 UCART2036			
3-3 5/8 (1006)	 UCART1640	 UCART1840	 UCART2040	 UCART2440		
3-7 5/8 (1108)	 UCART1644	 UCART1844	 UCART2044	 UCART2444		 UCART2844
3-11 5/8 (1210)	 UCART1648	 UCART1848	 UCART2048	 UCART2448	 UCART2648	 UCART2848 E
4-5 5/8 (1362)	 UCART1654	 UCART1854	 UCART2054	 UCART2454	 UCART2654	 UCART2854 E
4-7 5/8 (1413)	 UCART1656	 UCART1856	 UCART2056	 UCART2456	 UCART2656	 UCART2856 E
4-11 5/8 (1514)	 UCART1660	 UCART1860	 UCART2060	 UCART2460	 UCART2660	 UCART2860 E

# Casement Round Top

RT21 / RT22 Two Wide Standard Sizes - Operator and Stationary

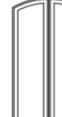
RO (mm)	5-1 (1549)	5-5 (1651)	6-1 (1854)
3-11 5/8 (1210)	 UCART3048 E		
4-5 5/8 (1362)	 UCART3054 E	 UCART3254 E	
4-7 5/8 (1413)	 UCART3056 E	 UCART3256 E	 UCART3656 E
4-11 5/8 (1514)	 UCART3060 E	 UCART3260 E	 UCART3660 E

Details and Elevations not to scale.

- Marvin exclusive wash mode is not available on Ultimate Casement Round Tops.
  - Rough opening height includes 15/16" subsill.
  - E These windows meet national Egress codes for fire evacuation. Local codes may differ.
  - T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with basic frame size 25.2 ft<sup>2</sup>. Please consult your local Marvin representative for more information.
- For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

## Casement Round Top

RT21 / RT22 Two Wide Standard Sizes - Operator And Stationary

RO (mm)	2-9 (838)	3-1 (940)	3-5 (1041)	4-1 (1245)	4-5 (1346)	4-9 (1448)
5-3 5/8 (1616)	 UCART1664	 UCART1864	 UCART2064	 UCART2464	 UCART2664	 UCART2864 E
5-11 5/8 (1819)	 UCART1672 T	 UCART1872 T	 UCART2072 T	 UCART2472 T	 UCART2672 T	 UCART2872 T
6-5 5/8 (1972)	 UCART1678 T	 UCART1878 T	 UCART2078 T	 UCART2478 T	 UCART2678 T	 UCART2878 T
6-11 5/8 (2124)	 UCART1684 T	 UCART1884 T	 UCART2084 T	 UCART2484 T	 UCART2684 T	 UCART2884 T
7-7 5/8 (2327)	 UCART1692 T	 UCART1892 T	 UCART2092 T	 UCART2492 T	 UCART2692 T	 UCART2892 T
7-11 5/8 (2429)	 UCART1696 T	 UCART1896 T	 UCART2096 T	 UCART2496 T	 UCART2696 T	 UCART2896 T

## Casement Round Top

RT21 / RT22 Two Wide Standard Sizes - Operator And Stationary

RO (mm)	5-1 (1549)	5-5 (1651)	6-1 (1854)	6-9 (2057)
5-3 5/8 (1616)	 UCART3064 E	 UCART3264 E	 UCART3664 E	 UCART4064 E
5-11 5/8 (1819)	 UCART3072 T	 UCART3272 T	 UCART3672 T	 UCART4072 T
6-5 5/8 (1972)	 UCART3078 T	 UCART3278 T	 UCART3678 T	 UCART4078 T
6-11 5/8 (2124)	 UCART3084 T	 UCART3284 T	 UCART3684 T	 UCART4084 T
7-7 5/8 (2327)	 UCART3092 T	 UCART3292 T	 UCART3692 T	 UCART4092 T
7-11 5/8 (2429)	 UCART3096 T	 UCART3296 T	 UCART3696 T	

Details and Elevations not to scale.

- Marvin exclusive wash mode is not available on Ultimate Casement Round Tops.
- E These windows meet national Egress codes for fire evacuation. Local codes may differ.
- T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with basic frame size 25.2 ft².

Please consult your local Marvin representative for more information.

For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Casement Round Top

RT2 Standard Sizes - Operator And Stationary

RO (mm)	2 - 1 (635)	2 - 3 (686)	2 - 5 (737)	2 - 7 (787)	2 - 9 (838)	3 - 1 (940)	3 - 5 (1041)
3 - 7 5/8 (1108)	 UCART2444						
3 - 11 5/8 (1210)	 UCART2448	 UCART2648					
4 - 5 5/8 (1362)	 UCART2454	 UCART2654	 UCART2854	 UCART3054			
4 - 7 5/8 (1413)	 UCART2456	 UCART2656	 UCART2856	 UCART3056 E	 UCART3256 E		
4 - 11 5/8 (1514)	 UCART2460	 UCART2660 E	 UCART2860 E	 UCART3060 E	 UCART3260 E		
5 - 3 5/8 (1616)	 UCART2464 E	 UCART2664 E	 UCART2864 E	 UCART3064 E	 UCART3264 E	 UCART3664 E	
5 - 11 5/8 (1819)	 UCART2472 T	 UCART2672 T	 UCART2872 T	 UCART3072 T	 UCART3272 T	 UCART3672 T	 UCART4072 T

# Casement Round Top

RT2 Standard Sizes - Operator And Stationary

RO (mm)	2 - 1 (635)	2 - 3 (686)	2 - 5 (737)	2 - 7 (787)	2 - 9 (838)	3 - 1 (940)	3 - 5 (1041)
6 - 5 5/8 (1972)	 UCART2478 T	 UCART2678 T	 UCART2878 T	 UCART3078 T	 UCART3278 T	 UCART3678 T	 UCART4078 T
6 - 11 5/8 (2124)	 UCART2484 T	 UCART2684 T	 UCART2884 T	 UCART3084 T	 UCART3284 T	 UCART3684 T	 UCART4084 T
7 - 7 5/8 (2327)	 UCART2492 T	 UCART2692 T	 UCART2892 T	 UCART3092 T	 UCART3292 T	 UCART3692 T	 UCART4092 T
7 - 11 5/8 (2429)	 UCART2496 T	 UCART2696 T	 UCART2896 T	 UCART3096 T	 UCART3296 T	 UCART3696 T	

Details and Elevations not to scale.

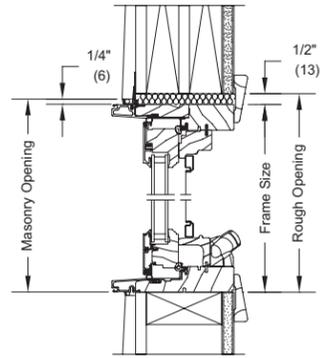
T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with basic frame size 25.2 ft².

Please consult your local Marvin representative for more information.

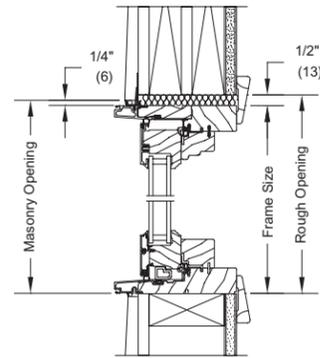
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Casement Round Top

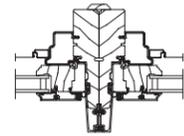
## Construction Details



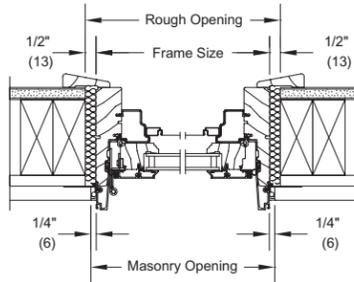
HEAD JAMB AND SILL - OPERATOR



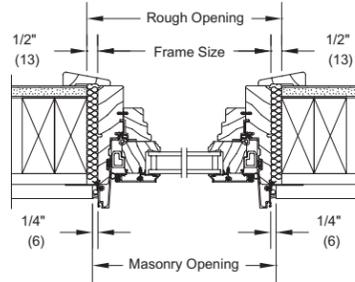
HEAD JAMB AND SILL - STATIONARY



VERTICAL MULLION OPERATOR



JAMB - OPERATOR



JAMB - STATIONARY

# Casement Picture Round Top

## RT6 Standard Sizes Stationary Units as Picture - In Sash

RO (mm)	2 - 1 (635)	2 - 3 (685)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)
1 - 6 1/2 (470)	UCAPRT2419	UCAPRT2619	UCAPRT2819	UCAPRT3019	UCAPRT3219
2 - 0 1/2 (622)	UCAPRT2423	UCAPRT2623	UCAPRT2823	UCAPRT3023	UCAPRT3223
3 - 0 1/2 (927)	UCAPRT2435	UCAPRT2635	UCAPRT2835	UCAPRT3035	UCAPRT3235
4 - 0 1/2 (1232)	UCAPRT2447	UCAPRT2647	UCAPRT2847	UCAPRT3047	UCAPRT3247
5 - 0 1/2 (1537)	UCAPRT2459	UCAPRT2659	UCAPRT2859	UCAPRT3059	UCAPRT3259
6 - 0 1/2 (1842)	UCAPRT2471 T	UCAPRT2671 T	UCAPRT2871 T	UCAPRT3071 T	UCAPRT3271 T

Details and Elevations not to scale.

T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with basic frame size 25.2 ft².

Please consult your local Marvin representative for more information.

For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

**ULTIMATE CASEMENT PICTURE ROUND TOP: UCAPRT**

# Casement Picture Round Top

## RT6 Standard Sizes Stationary Units as Picture - In Sash

RO (mm)	3 - 1 (939)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	6 - 1 (1854)
1 - 6 1/2 (470)	 UCAPRT3619	 UCAPRT4019	 UCAPRT4819	 UCAPRT5619	 UCAPRT7219
2 - 0 1/2 (622)	 UCAPRT3623	 UCAPRT4023	 UCAPRT4823	 UCAPRT5623	 UCAPRT7223
3 - 0 1/2 (927)	 UCAPRT3635	 UCAPRT4035	 UCAPRT4835	 UCAPRT5635	 UCAPRT7235
4 - 0 1/2 (1232)	 UCAPRT3647	 UCAPRT4047	 UCAPRT4847	 UCAPRT5647	 UCAPRT7247
5 - 0 1/2 (1537)	 UCAPRT3659	 UCAPRT4059	 UCAPRT4859	 UCAPRT5659	 UCAPRT7259
6 - 0 1/2 (1842)	 UCAPRT3671 T	 UCAPRT4071 T	 UCAPRT4871 T	 UCAPRT5671 T	 UCAPRT7271 T

Details and Elevations not to scale.  
 • Units with basic frame size 25.2 ft² and larger may require tempered glass.  
 Please consult your local Marvin representative for more information.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Casement Picture Round Top

## RT1 Standard Sizes - In Sash

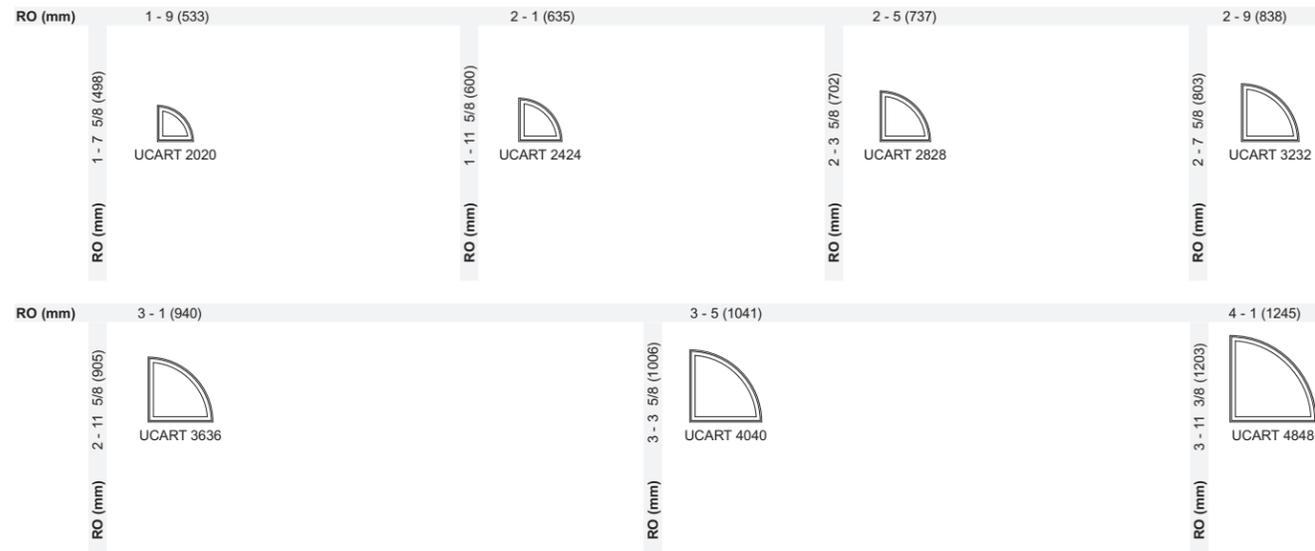
RO (mm)	2 - 1 (635)	2 - 5 (737)	2 - 9 (838)	3 - 1 (940)
1 - 0 1/2 (318)	 UCART2412	 UCART2814	 UCART3216	 UCART3218
1 - 2 1/2 (388)		 UCART4824	 UCART5628	 UCART6030
1 - 8 1/2 (521)	 UCART4020			
2 - 0 1/2 (622)		 UCART7236	 UCART8442	 UCART9648
2 - 4 1/2 (724)			 UCART8442	
2 - 8 1/2 (826)	 UCART6432			
3 - 0 1/2 (927)		 UCART7236		
3 - 6 1/2 (1080)			 UCART8442	
4 - 0 1/2 (1232)				 UCART9648
4 - 6 1/2 (1384)	 UCART10854			
5 - 0 1/2 (1537)				 UCART12060
9 - 1 (2769)				
10 - 1 (3073)				
RO (mm)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	6 - 1 (1854)
1 - 5 15/16 (456)	 UCART4017	 UCART4817	 UCART5617	 UCART7217

## RT29 Standard Sizes - In Sash

# Casement Picture Round Top

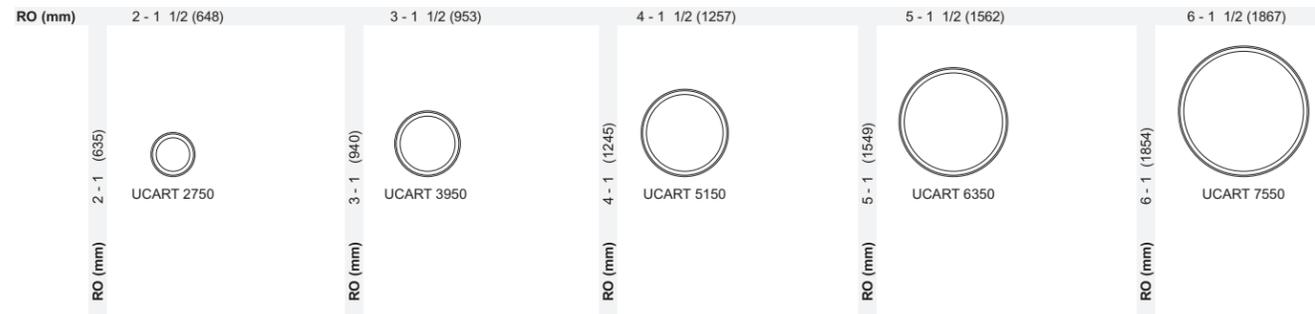
## Quarter Circle

### RT15 / RT16 Standard Sizes (RT16 Shown) - In Sash



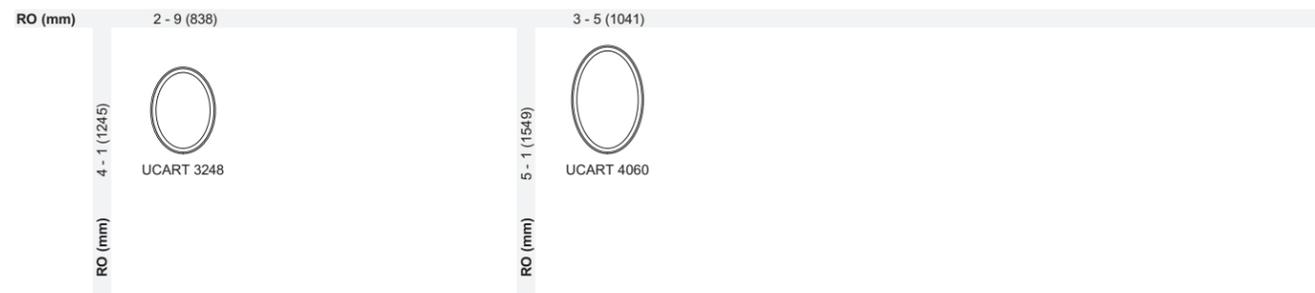
## Full Circle

### RT27 Standard Sizes - In Sash



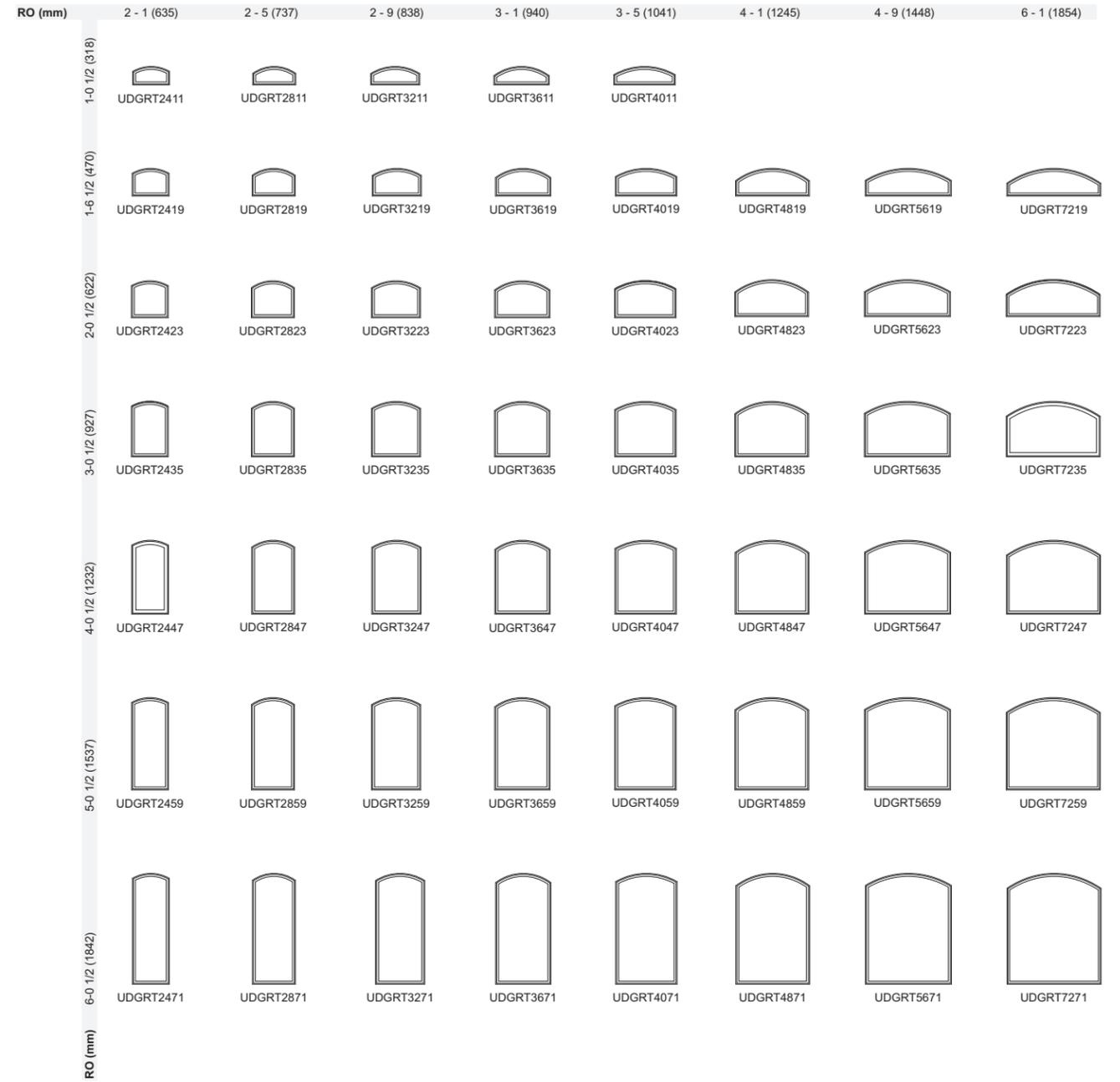
## Ellipse

### RT28 Standard Sizes - In Sash



# Direct Glaze Round Top - Casement

## RT6 Eyebrow Above Springline Standard Sizes - Direct Glaze



### RT15 and RT16 Standard Sizes (RT16 Shown)



ULTIMATE DIRECT GLAZE ROUND TOP: UDGR

# Direct Glaze Round Top - Casement

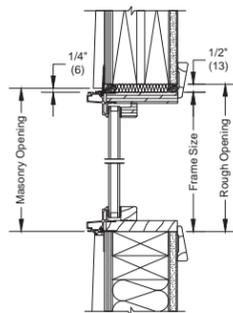
## RT1 True Half Circle Standard Sizes - Direct Glaze

RO (mm)	1 - 9 (533)	2 - 1 (635)	2 - 5 (737)	2 - 9 (838)	3 - 1 (940)
RO (mm)	0 - 10 1/2 (267)	1 - 0 1/2 (318)	1 - 2 1/2 (368)	1 - 4 1/2 (419)	1 - 6 1/2 (470)
	UDGRT2010	UDGRT2412	UDGRT2814	UDGRT3216	UDGRT3618
RO (mm)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)	5-5 (1651)
RO (mm)	1 - 8 1/2 (521)	2 - 0 1/2 (622)	2 - 4 1/2 (724)	2 - 6 1/2 (775)	2 - 8 1/2 (826)
	UDGRT4020	UDGRT4824	UDGRT5628	UDGRT6026	UDGRT6432
RO (mm)	6 - 1 (1854)	7 - 1 (2159)	8 - 1 (2464)		
RO (mm)	3 - 0 1/2 (827)	3 - 6 1/2 (1080)	4 - 0 1/2 (1232)		
	UDGRT7236	UDGRT8442	UDGRT9648		

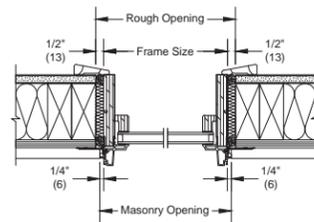
## RT29 Standard Sizes - Direct Glaze

RO (mm)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	6 - 1 (1854)	7-1 (2159)
RO (mm)	1 - 5 15/16 (456)				
	UDGRT4017	UDGRT4817	UDGRT5617	UDGRT7217	UDGRT8417

### Construction Details



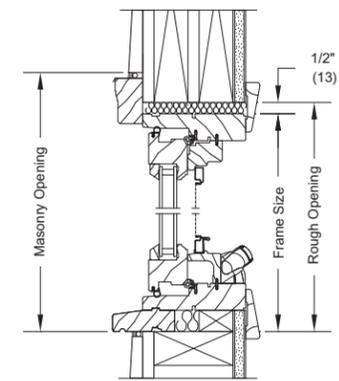
HEAD JAMB AND SILL - DIRECT GLAZE



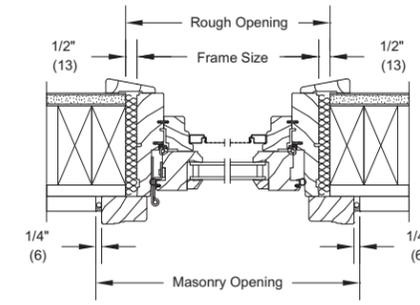
JAMB - DIRECT GLAZE

# Casement Polygon

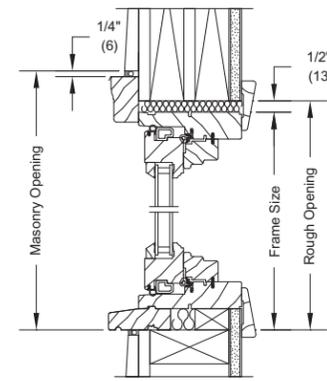
## Construction Details



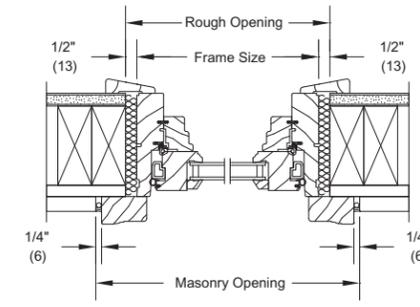
HEAD JAMB AND SILL - OPERATOR



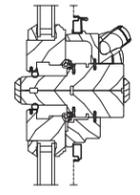
JAMB - OPERATOR



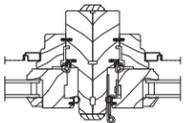
HEAD JAMB AND SILL - STATIONARY



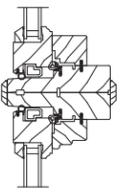
JAMB - STATIONARY



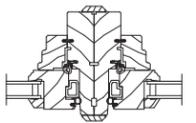
HORIZONTAL MULLION OPERATOR



VERTICAL MULLION OPERATOR



HORIZONTAL MULLION STATIONARY

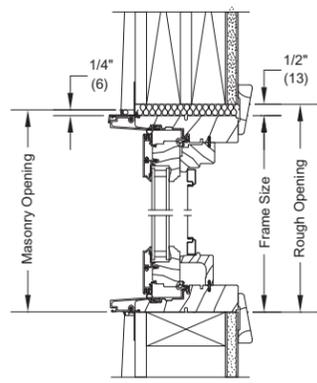


VERTICAL MULLION STATIONARY

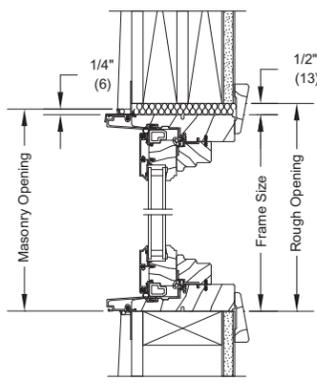
Details and Elevations not to scale.  
Please consult your local Marvin representative for more information.  
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Casement Polygon

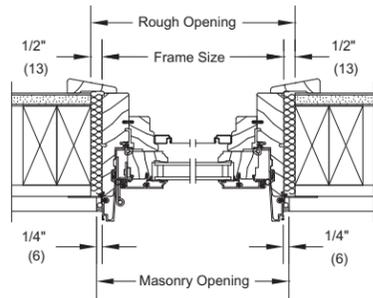
## Construction Details



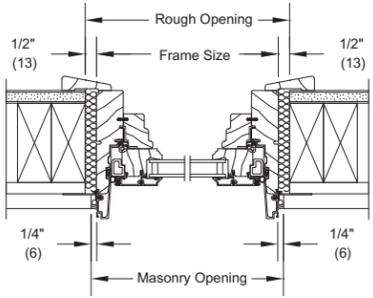
HEAD JAMB AND SILL - OPERATOR



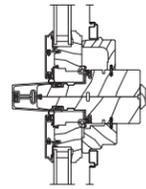
HEAD JAMB AND SILL - STATIONARY



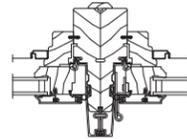
JAMB - OPERATOR



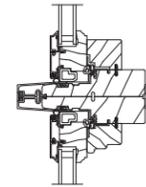
JAMB - STATIONARY



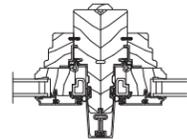
HORIZONTAL MULLION OPERATOR



VERTICAL MULLION OPERATOR



HORIZONTAL MULLION STATIONARY



VERTICAL MULLION STATIONARY

# Casement Venting Picture

<b>MO (mm)</b>	1 - 4 1/2 (419)	1 - 6 1/2 (470)	1 - 8 1/2 (521)	2 - 0 1/2 (622)	2 - 2 1/2 (673)	2 - 4 1/2 (724)	2 - 6 1/2 (775)	2 - 8 1/2 (826)
<b>RO (mm)</b>	1 - 5 (492)	1 - 7 (483)	1 - 9 (533)	2 - 1 (635)	2 - 3 (686)	2 - 5 (737)	2 - 7 (787)	2 - 9 (838)
<b>FS (mm)</b>	1 - 4 (406)	1 - 6 (457)	1 - 8 (508)	2 - 0 (610)	2 - 2 (660)	2 - 4 (711)	2 - 6 (762)	2 - 8 (813)
<b>DLO (mm)</b>	0 - 10 3/16 (259)	1 - 0 3/16 (310)	1 - 2 3/16 (360)	1 - 6 3/16 (462)	1 - 8 3/16 (513)	1 - 10 3/16 (564)	2 - 0 3/16 (614)	2 - 2 3/16 (665)

2 - 11 3/8 (898)	UCAVP1636	UCAVP1836	UCAVP2036	UCAVP2436	UCAVP2636	UCAVP2836	UCAVP3036	UCAVP3236
2 - 11 5/8 (904)								
2 - 11 1/8 (892)								
2 - 5 21/64 (745)								
3 - 3 3/8 (1000)	UCAVP1640	UCAVP1840	UCAVP2040	UCAVP2440	UCAVP2640	UCAVP2840	UCAVP3040	UCAVP3240
3 - 3 5/8 (1006)								
3 - 3 1/8 (993)								
2 - 9 21/64 (847)								
3 - 7 3/8 (1101)	UCAVP1644	UCAVP1844	UCAVP2044	UCAVP2444	UCAVP2644	UCAVP2844	UCAVP3044	UCAVP3244
3 - 7 5/8 (1108)								
3 - 7 1/8 (1095)								
3 - 1 21/64 (948)								
3 - 11 3/8 (1203)	UCAVP1648	UCAVP1848	UCAVP2048	UCAVP2448	UCAVP2648	UCAVP2848	UCAVP3048	UCAVP3248
3 - 11 5/8 (1209)								
3 - 11 1/8 (1196)								
3 - 5 21/64 (1050)								
4 - 5 3/8 (1355)	UCAVP1654	UCAVP1854	UCAVP2054	UCAVP2454	UCAVP2654	UCAVP2854	UCAVP3054	UCAVP3254
4 - 5 5/8 (1362)								
4 - 5 1/8 (1349)								
3 - 11 21/64 (1202)								
4 - 7 3/8 (1406)	UCAVP1656	UCAVP1856	UCAVP2056	UCAVP2456	UCAVP2656	UCAVP2856	UCAVP3056	UCAVP3256
4 - 7 5/8 (1412)								
4 - 7 1/8 (1400)								
4 - 1 21/64 (1253)								
4 - 11 3/8 (1508)	UCAVP1660	UCAVP1860	UCAVP2060	UCAVP2460	UCAVP2660	UCAVP2860	UCAVP3060	UCAVP3260
4 - 11 5/8 (1514)								
4 - 11 1/8 (1501)								
4 - 5 21/64 (1355)								

ULTIMATE CASEMENT VENTING PICTURE: UCAVP

## Casement Venting Picture

MO (mm)	3 - 0 1/2 (927)	3 - 4 1/2 (1029)	4 - 0 1/2 (1232)	4 - 8 1/2 (1435)	5 - 0 1/2 (1537)	5 - 4 1/2 (1638)	6 - 0 1/2 (1842)
RO (mm)	3 - 1 (940)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)	5 - 5 (1651)	6 - 1 (1854)
FS (mm)	3 - 0 (914)	3 - 4 (1016)	4 - 0 (1219)	4 - 8 (1422)	5 - 0 (1524)	5 - 4 (1626)	6 - 0 (1829)
DLO (mm)	2 - 6 3/16 (767)	2 - 10 3/16 (868)	3 - 6 3/16 (1072)	4 - 2 3/16 (1275)	4 - 6 3/16 (1376)	4 - 10 3/16 (1478)	5 - 6 3/16 (1681)
2 - 11 3/8 (888) 2 - 11 5/8 (904) 2 - 11 1/8 (892) 2 - 5 21/64 (745)	UCAVP3636	UCAVP4036	UCAVP4836*	UCAVP5636*	UCAVP6036*	UCAVP6436*	UCAVP7236*
3 - 3 3/8 (1000) 3 - 3 5/8 (1006) 3 - 3 1/8 (993) 2 - 9 21/64 (847)	UCAVP3640	UCAVP4040	UCAVP4840*	UCAVP5640*	UCAVP6040*	UCAVP6440*	UCAVP7240*
3 - 7 3/8 (1101) 3 - 7 5/8 (1108) 3 - 7 1/8 (1095) 3 - 1 21/64 (948)	UCAVP3644	UCAVP4044	UCAVP4844*	UCAVP5644*	UCAVP6044*	UCAVP6444*	UCAVP7244*
3 - 11 3/8 (1203) 3 - 11 5/8 (1209) 3 - 11 1/8 (1196) 3 - 5 21/64 (1050)	UCAVP3648	UCAVP4048	UCAVP4848	UCAVP5648*	UCAVP6048*	UCAVP6448*	UCAVP7248*
4 - 5 3/8 (1355) 4 - 5 5/8 (1362) 4 - 5 1/8 (1349) 3 - 11 21/64 (1202)	UCAVP3654	UCAVP4054	UCAVP4854	UCAVP5654*	UCAVP6054*	UCAVP6454*	UCAVP7254*
4 - 7 3/8 (1406) 4 - 7 5/8 (1412) 4 - 7 1/8 (1400) 4 - 1 21/64 (1253)	UCAVP3656	UCAVP4056	UCAVP4856	UCAVP5656*	UCAVP6056*	UCAVP6456*	UCAVP7256*
4 - 11 3/8 (1508) 4 - 11 5/8 (1514) 4 - 11 1/8 (1501) 4 - 5 21/64 (1355)	UCAVP3660	UCAVP4060	UCAVP4860	UCAVP5660*	UCAVP6060*	UCAVP6460*	UCAVP7260*

Details and Elevations not to scale.  
 \*Units will have structural cable on the head and sill.  
 Please consult your local Marvin representative for more information.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

## Casement Venting Picture

MO (mm)	1 - 4 1/2 (419)	1 - 6 1/2 (470)	1 - 8 1/2 (521)	2 - 0 1/2 (622)	2 - 2 1/2 (673)	2 - 4 1/2 (724)	2 - 6 1/2 (775)	2 - 8 1/2 (826)
RO (mm)	1 - 5 (492)	1 - 7 (483)	1 - 9 (533)	2 - 1 (635)	2 - 3 (686)	2 - 5 (737)	2 - 7 (787)	2 - 9 (838)
FS (mm)	1 - 4 (406)	1 - 6 (457)	1 - 8 (508)	2 - 0 (610)	2 - 2 (660)	2 - 4 (711)	2 - 6 (762)	2 - 8 (813)
DLO (mm)	0 - 10 3/16 (259)	1 - 0 3/16 (310)	1 - 2 3/16 (360)	1 - 6 3/16 (462)	1 - 8 3/16 (513)	1 - 10 3/16 (564)	2 - 0 3/16 (614)	2 - 2 3/16 (665)
5 - 3 3/8 (1609) 5 - 3 5/8 (1616) 5 - 3 1/8 (1603) 4 - 9 21/64 (1456)	UCAVP1664	UCAVP1864	UCAVP2064	UCAVP2464	UCAVP2664	UCAVP2864	UCAVP3064	UCAVP3264
5 - 11 3/8 (1812) 5 - 11 5/8 (1819) 5 - 11 1/8 (1806) 5 - 5 21/64 (1659)	UCAVP1672 T	UCAVP1872 T	UCAVP2072 T	UCAVP2472 T	UCAVP2672 T	UCAVP2872 T	UCAVP3072 T	UCAVP3272 T
6 - 5 3/8 (1965) 6 - 5 5/8 (1971) 6 - 5 1/8 (1958) 5 - 11 21/64 (1812)	UCAVP1678 T	UCAVP1878 T	UCAVP2078 T	UCAVP2478 T	UCAVP2678 T	UCAVP2878 T	UCAVP3078 T	UCAVP3278 T
6 - 11 3/8 (2117) 6 - 11 5/8 (2124) 6 - 11 1/8 (2111) 6 - 5 21/64 (1964)	UCAVP1684 T	UCAVP1884 T	UCAVP2084 T	UCAVP2484 T	UCAVP2684 T	UCAVP2884 T	UCAVP3084 T	UCAVP3284 T
7 - 7 3/8 (2320) 7 - 7 5/8 (2327) 7 - 7 1/8 (2314) 7 - 1 21/64 (2167)	UCAVP1692 T	UCAVP1892 T	UCAVP2092 T	UCAVP2492 T	UCAVP2692 T	UCAVP2892 T	UCAVP3092 T	UCAVP3292 T
7 - 11 3/8 (2422) 7 - 11 5/8 (2428) 7 - 11 1/8 (2416) 7 - 5 21/64 (2269)	UCAVP1696 T	UCAVP1896 T	UCAVP2096 T	UCAVP2496 T	UCAVP2696 T	UCAVP2896 T	UCAVP3096 T	UCAVP3296 T

Details and Elevations not to scale.  
 \* Units will have structural cable on the head and sill.  
 T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with frame size 25.2 ft² and larger. Please consult your local Marvin representative for more information.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

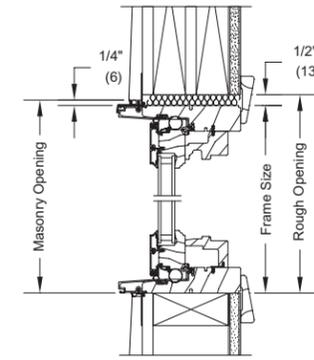
### Casement Venting Picture

<b>MO (mm)</b>	3 - 0 1/2 (927)	3 - 4 1/2 (1029)	4 - 0 1/2 (1232)	4 - 8 1/2 (1435)	5 - 0 1/2 (1537)	5 - 4 1/2 (1638)	6 - 0 1/2 (1842)
<b>RO (mm)</b>	3 - 1 (940)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)	5 - 5 (1651)	6 - 1 (1854)
<b>FS (mm)</b>	3 - 0 (914)	3 - 4 (1016)	4 - 0 (1219)	4 - 8 (1422)	5 - 0 (1524)	5 - 4 (1626)	6 - 0 (1829)
<b>DLO (mm)</b>	2 - 6 3/16 (767)	2 - 10 3/16 (868)	3 - 6 3/16 (1072)	4 - 2 3/16 (1275)	4 - 6 3/16 (1376)	4 - 10 3/16 (1478)	5 - 6 3/16 (1681)

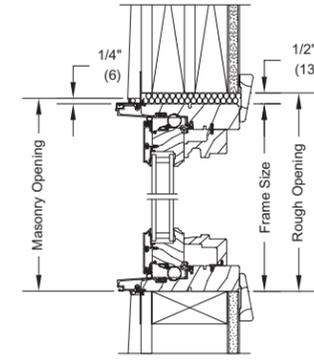
5 - 3 3/8 (1609) 5 - 3 5/8 (1616) 5 - 3 7/8 (1603) 4 - 9 21/64 (1456)							
5 - 11 3/8 (1812) 5 - 11 5/8 (1819) 5 - 11 7/8 (1806) 5 - 5 21/64 (1659)							
6 - 5 3/8 (1865) 6 - 5 5/8 (1871) 6 - 5 7/8 (1858) 5 - 11 21/64 (1812)							
6 - 11 3/8 (2117) 6 - 11 5/8 (2124) 6 - 11 7/8 (2111) 6 - 5 21/64 (1964)							
7 - 7 3/8 (2320) 7 - 7 5/8 (2327) 7 - 7 7/8 (2314) 7 - 1 21/64 (2167)							
7 - 11 3/8 (2422) 7 - 11 5/8 (2428) 7 - 11 7/8 (2416) 7 - 5 21/64 (2269)							

### Casement Venting Picture

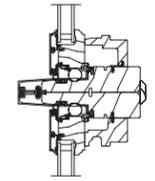
#### Construction Details



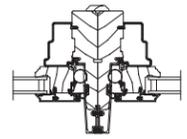
3/4" VENTING PICTURE HEAD JAMB AND SILL



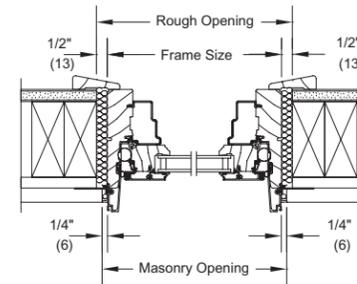
1" VENTING PICTURE HEAD JAMB AND SILL



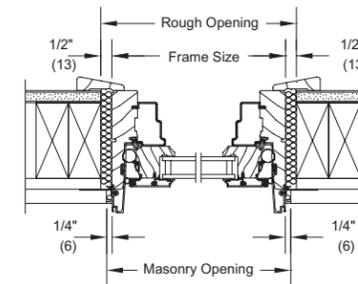
HORIZONTAL MULLION



VERTICAL MULLION



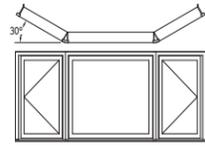
3/4" VENTING PICTURE JAMB



1" VENTING PICTURE JAMB

# Wood Casement Bay

## 30° Ultimate Wood Casement Bay with Picture Center Unit



UNIT NO. (WIDTH)	ROUGH OPENING (WIDTH)	PROJECTION
16-16-16	4-0 13/32 (1229)	9 3/8" (239)
16-20-16	4-4 13/32 (1330)	9 3/8" (239)
16-24-16	4-8 13/32 (1432)	9 3/8" (239)
16-28-16	5-0 13/32 (1533)	9 3/8" (239)
16-32-16	5-4 13/32 (1635)	9 3/8" (239)
16-36-16	5-8 13/32 (1737)	9 3/8" (239)
16-40-16	6-0 13/32 (1838)	9 3/8" (239)
16-48-16	6-8 13/32 (2041)	9 3/8" (239)
16-56-16	7-4 13/32 (2245)	9 3/8" (239)
16-60-16	7-8 13/32 (2346)	9 3/8" (239)
16-64-16	8-0 13/32 (2448)	9 3/8" (239)
16-72-16	8-8 13/32 (2651)	9 3/8" (239)

20-20-20	4-11 9/32 (1506)	11 3/8" (289)
20-24-20	5-3 9/32 (1608)	11 3/8" (289)
20-28-20	5-7 9/32 (1709)	11 3/8" (289)
20-32-20	5-11 9/32 (1811)	11 3/8" (289)
20-36-20	6-3 9/32 (1913)	11 3/8" (289)
20-40-20	6-7 9/32 (2014)	11 3/8" (289)
20-48-20	7-3 9/32 (2217)	11 3/8" (289)
20-56-20	7-11 9/32 (2421)	11 3/8" (289)
20-60-20	8-3 9/32 (2522)	11 3/8" (289)
20-64-20	8-7 9/32 (2624)	11 3/8" (289)
20-72-20	9-3 9/32 (2827)	11 3/8" (289)

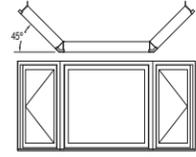
24-24-24	5-10 1/4 (1784)	13 3/8" (340)
24-28-24	6-2 1/4 (1885)	13 3/8" (340)
24-32-24	6-6 1/4 (1987)	13 3/8" (340)
24-36-24	6-10 1/4 (2089)	13 3/8" (340)
24-40-24	7-2 1/4 (2190)	13 3/8" (340)
24-48-24	7-10 1/4 (2393)	13 3/8" (340)
24-56-24	8-6 1/4 (2597)	13 3/8" (340)
24-60-24	8-10 1/4 (2698)	13 3/8" (340)
24-64-24	9-2 1/4 (2800)	13 3/8" (340)
24-72-24	9-10 1/4 (3003)	13 3/8" (340)

28-28-28	6-9 5/32 (2061)	15 3/8" (391)
28-32-28	7-1 5/32 (2163)	15 3/8" (391)
28-36-28	7-5 5/32 (2265)	15 3/8" (391)
28-40-28	7-9 5/32 (2366)	15 3/8" (391)
28-48-28	8-5 5/32 (2569)	15 3/8" (391)
28-56-28	9-1 5/32 (2773)	15 3/8" (391)
28-60-28	9-5 5/32 (2874)	15 3/8" (391)
28-64-28	9-9 5/32 (2976)	15 3/8" (391)
28-72-28	10-5 5/32 (3179)	15 3/8" (391)

32-32-32	7-8 1/8 (2339)	17 3/8" (442)
32-36-32	8-0 1/8 (2441)	17 3/8" (442)
32-40-32	8-4 1/8 (2542)	17 3/8" (442)
32-48-32	9-0 1/8 (2745)	17 3/8" (442)
32-56-32	9-8 1/8 (2949)	17 3/8" (442)
32-60-32	10-0 1/8 (3050)	17 3/8" (442)
32-64-32	10-4 1/8 (3152)	17 3/8" (442)
32-72-32	11-0 1/8 (3355)	17 3/8" (442)

36-36-36	8-7 (2617)	19 3/8" (493)
36-40-36	8-11 (2718)	19 3/8" (493)
36-48-36	9-7 (2921)	19 3/8" (493)
36-56-36	10-3 (3125)	19 3/8" (493)
36-60-36	10-7 (3226)	19 3/8" (493)
36-64-36	10-11 (3328)	19 3/8" (493)
36-72-36	11-7 (3531)	19 3/8" (493)

## 45° Ultimate Wood Casement Bay with Picture Center Unit



UNIT NO. (WIDTH)	ROUGH OPENING (WIDTH)	PROJECTION
16-16-16	3-7 7/8 (1114)	13 3/4" (349)
16-20-16	3-11 7/8 (1216)	13 3/4" (349)
16-24-16	4-3 7/8 (1318)	13 3/4" (349)
16-28-16	4-7 7/8 (1419)	13 3/4" (349)
16-32-16	4-11 7/8 (1521)	13 3/4" (349)
16-36-16	5-3 7/8 (1622)	13 3/4" (349)
16-40-16	5-7 7/8 (1724)	13 3/4" (349)
16-48-16	6-3 7/8 (1927)	13 3/4" (349)
16-56-16	6-11 7/8 (2130)	13 3/4" (349)
16-60-16	7-3 7/8 (2232)	13 3/4" (349)
16-64-16	7-7 7/8 (2334)	13 3/4" (349)
16-72-16	8-3 7/8 (2537)	13 3/4" (349)

20-20-20	4-5 17/32 (1360)	16 9/16" (421)
20-24-20	4-9 17/32 (1461)	16 9/16" (421)
20-28-20	5-1 17/32 (1563)	16 9/16" (421)
20-32-20	5-5 17/32 (1664)	16 9/16" (421)
20-36-20	5-9 17/32 (1766)	16 9/16" (421)
20-40-20	6-1 17/32 (1868)	16 9/16" (421)
20-48-20	6-9 17/32 (2071)	16 9/16" (421)
20-56-20	7-5 17/32 (2274)	16 9/16" (421)
20-60-20	7-9 17/32 (2376)	16 9/16" (421)
20-64-20	8-1 17/32 (2477)	16 9/16" (421)
20-72-20	8-9 17/32 (2680)	16 9/16" (421)

24-24-24	5-3 3/16 (1605)	19 13/32" (493)
24-28-24	5-7 3/16 (1706)	19 13/32" (493)
24-32-24	5-11 3/16 (1808)	19 13/32" (493)
24-36-24	6-3 3/16 (1910)	19 13/32" (493)
24-40-24	6-7 3/16 (2011)	19 13/32" (493)
24-48-24	7-3 3/16 (2214)	19 13/32" (493)
24-56-24	7-11 3/16 (2418)	19 13/32" (493)
24-60-24	8-3 3/16 (2519)	19 13/32" (493)
24-64-24	8-7 3/16 (2621)	19 13/32" (493)
24-72-24	9-3 3/16 (2824)	19 13/32" (493)

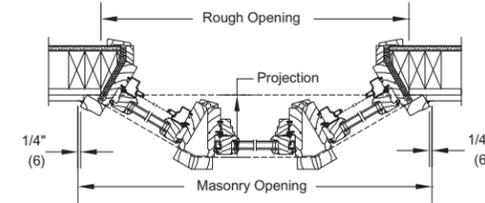
28-28-28	6-0 27/32 (1850)	22 1/4" (565)
28-32-28	6-4 27/32 (1952)	22 1/4" (565)
28-36-28	6-8 27/32 (2053)	22 1/4" (565)
28-40-28	7-0 27/32 (2155)	22 1/4" (565)
28-48-28	7-8 27/32 (2358)	22 1/4" (565)
28-56-28	8-4 27/32 (2561)	22 1/4" (565)
28-60-28	8-8 27/32 (2663)	22 1/4" (565)
28-64-28	9-0 27/32 (2765)	22 1/4" (565)
28-72-28	9-8 27/32 (2968)	22 1/4" (565)

32-32-32	6-10 1/2 (2095)	25 1/16" (637)
32-36-32	7-2 1/2 (2197)	25 1/16" (637)
32-40-32	7-6 1/2 (2299)	25 1/16" (637)
32-48-32	8-2 1/2 (2502)	25 1/16" (637)
32-56-32	8-10 1/2 (2705)	25 1/16" (637)
32-60-32	9-2 1/2 (2807)	25 1/16" (637)
32-64-32	9-6 1/2 (2908)	25 1/16" (637)
32-72-32	10-2 1/2 (3111)	25 1/16" (637)

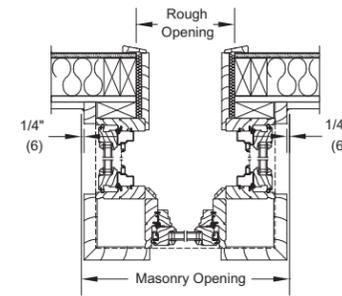
36-36-36	7-8 5/32 (2341)	27 29/32" (709)
36-40-36	8-0 5/32 (2442)	27 29/32" (709)
36-48-36	8-8 5/32 (2646)	27 29/32" (709)
36-56-36	9-4 5/32 (2849)	27 29/32" (709)
36-60-36	9-8 5/32 (2950)	27 29/32" (709)
36-64-36	10-0 5/32 (3052)	27 29/32" (709)
36-72-36	10-8 5/32 (3255)	27 29/32" (709)

# Wood Casement Bay

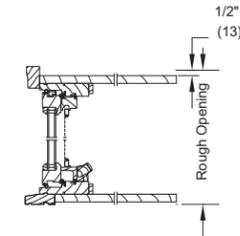
## Construction Details



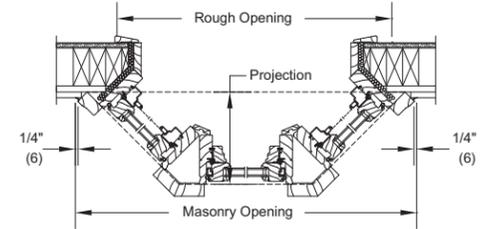
30° ULTIMATE WOOD CASEMENT BAY WITH STATIONARY CENTER JAMB



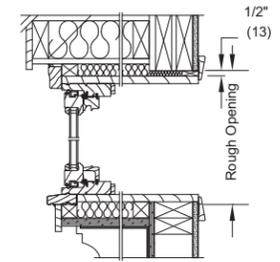
90° ULTIMATE WOOD CASEMENT BAY WITH STATIONARY CENTER UNIT JAMB



ULTIMATE WOOD CASEMENT OPERATOR HEAD JAMB AND SILL



45° ULTIMATE WOOD CASEMENT BAY WITH STATIONARY CENTER JAMB



ULTIMATE WOOD CASEMENT STATIONARY HEAD JAMB AND SILL

### Rough Opening Heights

UNIT NO. (HEIGHT)	ROUGH OPENING (HEIGHT)
24	2-1 1/4 (641)
32	2-9 1/4 (845)
36	3-1 1/4 (946)
40	3-5 1/4 (1048)
48	4-1 1/4 (1251)
56	4-9 1/4 (1454)
60	5-1 1/4 (1556)
64	5-5 1/4 (1657)
72	6-1 1/4 (1861)

Details and Elevations not to scale.

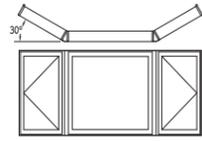
- Above dimensions include head and seat boards. If no head board, deduct 11/16" (17) in rough opening height.

Please consult your local Marvin representative for more information.

For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Casement Bay

## 30° Ultimate Casement Bay with Picture Center Unit



UNIT NO. (WIDTH)	ROUGH OPENING (WIDTH)	PROJECTION
16-16-16	4-0 21/32 (1236)	8 5/8" (219)
16-20-16	4-4 21/32 (1337)	8 5/8" (219)
16-24-16	4-8 21/32 (1439)	8 5/8" (219)
16-28-16	5-0 21/32 (1541)	8 5/8" (219)
16-32-16	5-4 21/32 (1642)	8 5/8" (219)
16-36-16	5-8 21/32 (1744)	8 5/8" (219)
16-40-16	6-0 21/32 (1845)	8 5/8" (219)
16-48-16	6-8 21/32 (2049)	8 5/8" (219)
16-56-16	7-4 21/32 (2252)	8 5/8" (219)
16-60-16	7-8 21/32 (2353)	8 5/8" (219)
16-64-16	8-0 21/32 (2455)	8 5/8" (219)
16-72-16	8-8 21/32 (2658)	8 5/8" (219)

20-20-20	4-11 19/32 (1513)	10 5/8" (270)
20-24-20	5-3 19/32 (1615)	10 5/8" (270)
20-28-20	5-7 19/32 (1716)	10 5/8" (270)
20-32-20	5-11 19/32 (1818)	10 5/8" (270)
20-36-20	6-3 19/32 (1920)	10 5/8" (270)
20-40-20	6-7 19/32 (2021)	10 5/8" (270)
20-48-20	7-3 19/32 (2224)	10 5/8" (270)
20-56-20	7-11 19/32 (2428)	10 5/8" (270)
20-60-20	8-3 19/32 (2529)	10 5/8" (270)
20-64-20	8-7 19/32 (2631)	10 5/8" (270)
20-72-20	9-3 19/32 (2834)	10 5/8" (270)

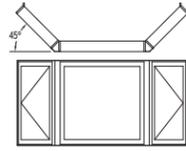
24-24-24	5-10 1/2 (1791)	12 5/8" (320)
24-28-24	6-2 1/2 (1892)	12 5/8" (320)
24-32-24	6-6 1/2 (1994)	12 5/8" (320)
24-36-24	6-10 1/2 (2096)	12 5/8" (320)
24-40-24	7-2 1/2 (2197)	12 5/8" (320)
24-48-24	7-10 1/2 (2400)	12 5/8" (320)
24-56-24	8-6 1/2 (2604)	12 5/8" (320)
24-60-24	8-10 1/2 (2705)	12 5/8" (320)
24-64-24	9-2 1/2 (2807)	12 5/8" (320)
24-72-24	9-10 1/2 (3010)	12 5/8" (320)

28-28-28	6-9 7/16 (2068)	14 5/8" (371)
28-32-28	7-1 7/16 (2170)	14 5/8" (371)
28-36-28	7-5 7/16 (2272)	14 5/8" (371)
28-40-28	7-9 7/16 (2373)	14 5/8" (371)
28-48-28	8-5 7/16 (2576)	14 5/8" (371)
28-56-28	9-1 7/16 (2780)	14 5/8" (371)
28-60-28	9-5 7/16 (2881)	14 5/8" (371)
28-64-28	9-9 7/16 (2983)	14 5/8" (371)
28-72-28	10-5 7/16 (3186)	14 5/8" (371)

32-32-32	7-8 3/8 (2346)	16 5/8" (422)
32-36-32	8-0 3/8 (2448)	16 5/8" (422)
32-40-32	8-4 3/8 (2549)	16 5/8" (422)
32-48-32	9-0 3/8 (2752)	16 5/8" (422)
32-56-32	9-8 3/8 (2956)	16 5/8" (422)
32-60-32	10-0 3/8 (3057)	16 5/8" (422)
32-64-32	10-4 3/8 (3159)	16 5/8" (422)
32-72-32	11-0 3/8 (3362)	16 5/8" (422)

36-36-36	8-7 5/16 (2624)	18 5/8" (473)
36-40-36	8-11 5/16 (2725)	18 5/8" (473)
36-48-36	9-7 5/16 (2928)	18 5/8" (473)
36-56-36	10-3 5/16 (3132)	18 5/8" (473)
36-60-36	10-7 5/16 (3233)	18 5/8" (473)
36-64-36	10-11 5/16 (3335)	18 5/8" (473)
36-72-36	11-7 5/16 (3538)	18 5/8" (473)

## 45° Ultimate Casement Bay with Picture Center Unit



UNIT NO. (WIDTH)	ROUGH OPENING (WIDTH)	PROJECTION
16-16-16	3-9 11/32 (1151)	12 21/32" (321)
16-20-16	4-1 11/32 (1253)	12 21/32" (321)
16-24-16	4-5 11/32 (1355)	12 21/32" (321)
16-28-16	4-9 11/32 (1456)	12 21/32" (321)
16-32-16	5-1 11/32 (1558)	12 21/32" (321)
16-36-16	5-5 11/32 (1659)	12 21/32" (321)
16-40-16	5-9 11/32 (1761)	12 21/32" (321)
16-48-16	6-5 11/32 (1964)	12 21/32" (321)
16-56-16	7-1 11/32 (2167)	12 21/32" (321)
16-60-16	7-5 11/32 (2269)	12 21/32" (321)
16-64-16	7-9 11/32 (2371)	12 21/32" (321)
16-72-16	8-5 11/32 (2574)	12 21/32" (321)

20-20-20	4-7 (1397)	15 1/2" (393)
20-24-20	4-11 (1498)	15 1/2" (393)
20-28-20	5-3 (1600)	15 1/2" (393)
20-32-20	5-7 (1701)	15 1/2" (393)
20-36-20	5-11 (1803)	15 1/2" (393)
20-40-20	6-3 (1905)	15 1/2" (393)
20-48-20	6-11 (2108)	15 1/2" (393)
20-56-20	7-7 (2311)	15 1/2" (393)
20-60-20	7-11 (2413)	15 1/2" (393)
20-64-20	8-3 (2514)	15 1/2" (393)
20-72-20	8-11 (2717)	15 1/2" (393)

24-24-24	5-4 21/32 (1642)	18 5/16" (465)
24-28-24	5-8 21/32 (1744)	18 5/16" (465)
24-32-24	6-0 21/32 (1845)	18 5/16" (465)
24-36-24	6-4 21/32 (1947)	18 5/16" (465)
24-40-24	6-8 21/32 (2048)	18 5/16" (465)
24-48-24	7-4 21/32 (2252)	18 5/16" (465)
24-56-24	8-0 21/32 (2455)	18 5/16" (465)
24-60-24	8-4 21/32 (2556)	18 5/16" (465)
24-64-24	8-8 21/32 (2658)	18 5/16" (465)
24-72-24	9-4 21/32 (2861)	18 5/16" (465)

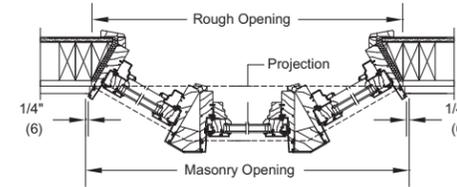
28-28-28	6-2 5/16 (1887)	21 1/8" (537)
28-32-28	6-6 5/16 (1989)	21 1/8" (537)
28-36-28	6-10 5/16 (2090)	21 1/8" (537)
28-40-28	7-2 5/16 (2192)	21 1/8" (537)
28-48-28	7-10 5/16 (2395)	21 1/8" (537)
28-56-28	8-6 5/16 (2598)	21 1/8" (537)
28-60-28	8-10 5/16 (2700)	21 1/8" (537)
28-64-28	9-2 5/16 (2802)	21 1/8" (537)
28-72-28	9-10 5/16 (3005)	21 1/8" (537)

32-32-32	6-11 31/32 (2133)	23 31/32" (609)
32-36-32	7-3 31/32 (2234)	23 31/32" (609)
32-40-32	7-7 31/32 (2336)	23 31/32" (609)
32-48-32	8-3 31/32 (2539)	23 31/32" (609)
32-56-32	8-11 31/32 (2742)	23 31/32" (609)
32-60-32	9-3 31/32 (2844)	23 31/32" (609)
32-64-32	9-7 31/32 (2945)	23 31/32" (609)
32-72-32	10-3 31/32 (3149)	23 31/32" (609)

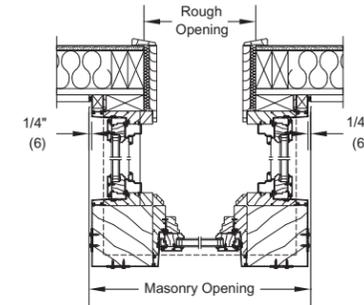
36-36-36	7-9 5/8 (2378)	26 13/16" (681)
36-40-36	8-1 5/8 (2479)	26 13/16" (681)
36-48-36	8-9 5/8 (2683)	26 13/16" (681)
36-56-36	9-5 5/8 (2886)	26 13/16" (681)
36-60-36	9-9 5/8 (2987)	26 13/16" (681)
36-64-36	10-1 5/8 (3089)	26 13/16" (681)
36-72-36	10-9 5/8 (3292)	26 13/16" (681)

# Casement Bay

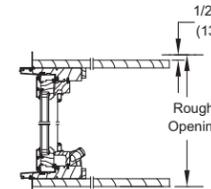
## Construction Details



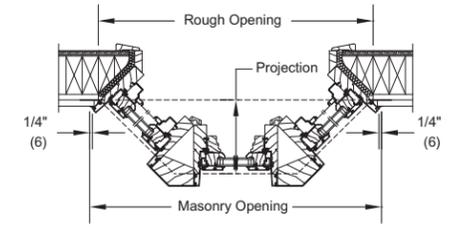
30° ULTIMATE CASEMENT BAY WITH STATIONARY CENTER JAMB



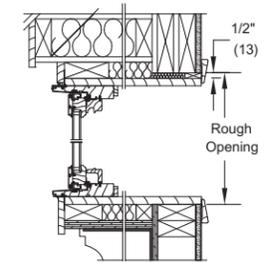
90° ULTIMATE CASEMENT BAY WITH STATIONARY CENTER UNIT JAMB



ULTIMATE CASEMENT OPERATOR HEAD JAMB AND SILL



45° ULTIMATE CASEMENT BAY WITH STATIONARY CENTER JAMB



ULTIMATE CASEMENT STATIONARY HEAD JAMB AND SILL

### Rough Opening Heights

UNIT NO. (HEIGHT)	ROUGH OPENING (HEIGHT)
24	2-1 (635)
32	2-9 (838)
36	3-1 (940)
40	3-5 (1041)
48	4-1 (1245)
56	4-9 (1448)
60	5-1 (1549)
64	5-5 (1651)
72	6-1 (1854)

Details and Elevations not to scale.

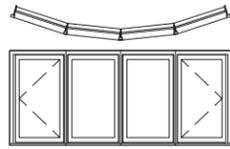
- Above dimensions include head and seat boards. If no head board, deduct 1/16" (17) in rough opening height.

Please consult your local Marvin representative for masonry openings that include casings and subsills.

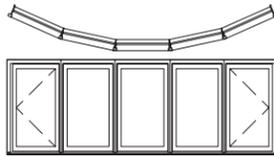
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Wood Casement Bow

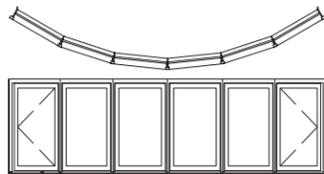
## Construction Details



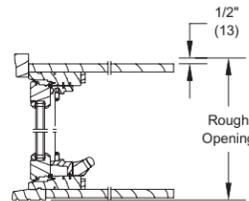
ULTIMATE WOOD CASEMENT  
4-WIDE BOW



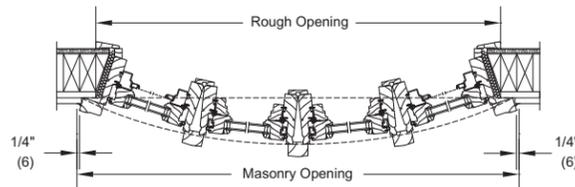
ULTIMATE WOOD CASEMENT  
5-WIDE BOW



ULTIMATE WOOD CASEMENT  
6-WIDE BOW



ULTIMATE WOOD CASEMENT  
OPERATOR HEAD JAMB AND SILL



ULTIMATE WOOD CASEMENT JAMB

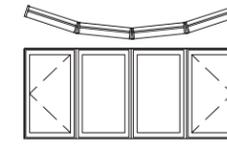
UNIT NO. (WIDTH)	ROUGH OPENING (WIDTH)	PROJECTION
16-4W	5-5 3/4 (1670)	7 11/32" (187)
16-5W	6-8 11/16 (2049)	10 7/8" (276)
16-6W	7-10 5/8 (2404)	16 1/32" (407)
20-4W	6-9 5/16 (2066)	9" (229)
20-5W	8-3 13/16 (2535)	13 5/16" (338)
20-6W	9-9 1/8 (2975)	19 11/16" (500)
24-4W	8-0 7/8 (2461)	10 21/32" (270)
24-5W	9-10 15/16 (3021)	15 25/32" (401)
24-6W	11-7 5/8 (3546)	23 11/32" (593)
28-4W	9-4 7/16 (2856)	12 5/16" (313)
28-5W	11-6 1/16 (3507)	18 1/4" (463)
28-6W	13-6 1/8 (4118)	27" (686)
32-4W	10-8 (3252)	13 31/32" (355)
32-5W	13-1 7/32 (3993)	20 11/16" (526)
36-4W	11-11 19/32 (3647)	15 5/8" (397)
36-5W	14-8 11/32 (4479)	23 5/32" (588)

## ROUGH OPENING HEIGHTS

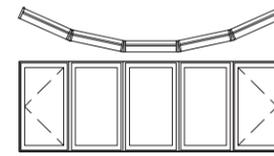
UNIT NO. (HEIGHT)	ROUGH OPENING (HEIGHT)
24	2-1 1/4 (641)
32	2-9 1/4 (845)
36	3-1 1/4 (946)
40	3-5 1/4 (1048)
48	4-1 1/4 (1251)
56	4-9 1/4 (1454)
60	5-1 1/4 (1556)
64	5-5 1/4 (1657)
72	6-1 1/4 (1861)

# Casement Bow

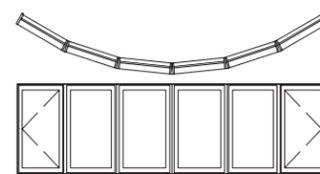
## Construction Details



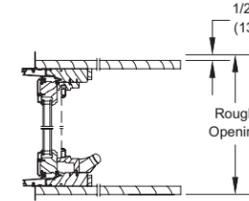
ULTIMATE CASEMENT  
4-WIDE BOW



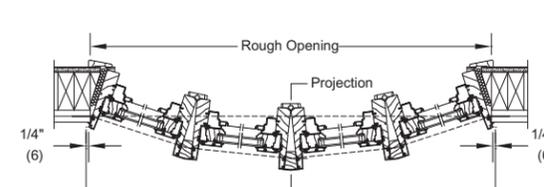
ULTIMATE CASEMENT  
5-WIDE BOW



ULTIMATE CASEMENT  
6-WIDE BOW



ULTIMATE CASEMENT  
OPERATOR HEAD JAMB AND SILL



ULTIMATE CASEMENT JAMB

UNIT NO. (WIDTH)	ROUGH OPENING (WIDTH)	PROJECTION
16-4W	5-5 7/16 (1662)	6 7/8" (174)
16-5W	6-8 5/8 (2048)	10 1/4" (260)
16-6W	7-10 29/32 (2411)	15 1/4" (387)
20-4W	6-9 (2058)	8 1/2" (216)
20-5W	8-3 3/4 (2534)	12 11/16" (322)
20-6W	9-9 13/32 (2982)	18 29/32" (480)
24-4W	8-0 9/16 (2453)	10 3/16" (258)
24-5W	9-10 7/8 (3020)	15 1/8" (385)
24-6W	11-7 7/8 (3553)	22 9/16" (573)
28-4W	9-4 1/8 (2849)	11 13/16" (300)
28-5W	11-6 1/64 (3506)	17 5/8" (447)
28-6W	13-6 3/8 (4124)	26 7/32" (666)
32-4W	10-7 23/32 (3244)	13 1/2" (342)
32-5W	13-1 5/32 (3992)	20 1/16" (510)
36-4W	11-11 9/32 (3639)	15 1/8" (384)
36-5W	14-8 9/32 (4578)	22 1/2" (572)

## ROUGH OPENING HEIGHTS

UNIT NO. (HEIGHT)	ROUGH OPENING (HEIGHT)
24	2-1 (635)
32	2-9 (838)
36	3-1 (940)
40	3-5 (1041)
48	4-1 (1245)
56	4-9 (1448)
60	5-1 (1549)
64	5-5 (1651)
72	6-1 (1859)

Details and Elevations not to scale.

- Above dimensions include head and seat boards. If no head board, deduct 11/16" (17) in rough opening height.

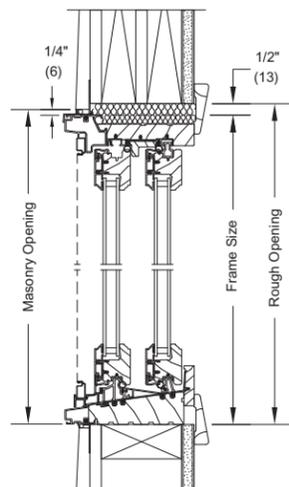
Please consult your local Marvin representative for masonry openings that include casings and subsills.

For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

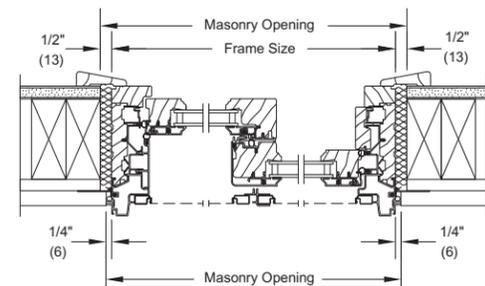


# Glider - XOX

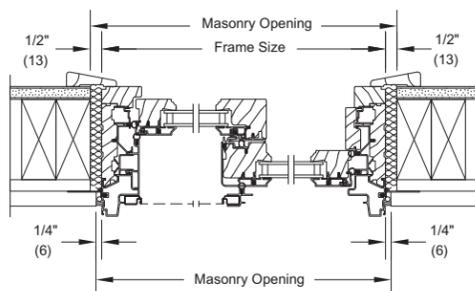
Construction Details X, OX, XOX, and OXXO



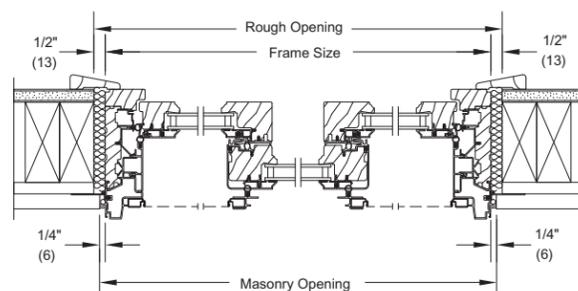
HEAD JAMB AND SILL - XO/OX, XOX



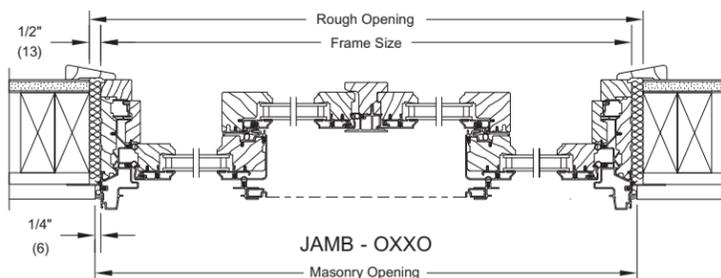
JAMB - XX



JAMB - XO



JAMB - XOX



JAMB - OXXO

Details and Elevations not to scale.

- Special sizes for OXXO only, available in equal sash only (1/4, 1/4, 1/4, 1/4)

E These windows meet national Egress codes for fire evacuation. Local codes may differ.

Please consult your local Marvin representative for more information.

For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Glider Picture - O

MO (mm)	3-0 (914)	3-6 (1067)	4-0 (1219)	4-6 (1372)	5-0 (1524)	5-6 (1676)	6-0 (1829)
RO (mm)	3-0 1/2 (927)	3-6 1/2 (1080)	4-0 (1232)	4-6 1/2 (1384)	5-0 1/2 (1537)	5-6 1/2 (1689)	6-0 1/2 (1842)
FS (mm)	2-11 1/2 (902)	3-5 1/2 (1054)	3-11 1/2 (1207)	4-5 1/2 (1359)	4-11 1/2 (1511)	5-5 1/2 (1664)	5-11 1/2 (1816)
DLO (mm)	2-4 63/64 (736)	2-10 63/64 (888)	3-4 63/64 (1041)	3-10 63/64 (1193)	4-4 63/64 (1346)	4-10 63/64 (1498)	5-4 63/64 (1650)
1-11 3/4 (603)	UGLP3020	UGLP3620	UGLP4020	UGLP4620	UGLP5020	UGLP5620	UGLP6020
2-0 (610)							
2-5 3/4 (756)	UGLP3026	UGLP3626	UGLP4026	UGLP4626	UGLP5026	UGLP5626	UGLP6026
2-6 (762)							
2-5 1/2 (749)							
1-11 1/2 (587)							
1-10 23/32 (577)							
1-4 23/32 (425)							
2-11 3/4 (908)	UGLP3030	UGLP3630	UGLP4030	UGLP4630	UGLP5030	UGLP5630	UGLP6030
3-0 (914)							
2-11 1/2 (902)							
2-4 23/32 (729)							
2-4 23/32 (882)							
3-5 3/4 (1060)	UGLP3036	UGLP3636	UGLP4036	UGLP4636	UGLP5036	UGLP5636	UGLP6036
3-6 (1067)							
3-5 1/2 (1054)							
2-10 23/32 (882)							
3-11 3/4 (1213)	UGLP3040	UGLP3640	UGLP4040	UGLP4640	UGLP5040	UGLP5640	UGLP6040
4-0 (1219)							
3-11 1/2 (1207)							
3-4 23/32 (1034)							
4-5 3/4 (1365)	UGLP3046	UGLP3646	UGLP4046	UGLP4646	UGLP5046	UGLP5646	UGLP6046
4-6 (1372)							
4-5 1/2 (1359)							
3-10 23/32 (1187)							
4-11 3/4 (1518)	UGLP3050	UGLP3650	UGLP4050	UGLP4650	UGLP5050	UGLP5650	UGLP6050
5-0 (1524)							
4-11 1/2 (1511)							
4-4 23/32 (1339)							
5-5 3/4 (1670)	UGLP3056	UGLP3656	UGLP4056	UGLP4656	UGLP5056	UGLP5656	UGLP6056
5-6 (1676)							
5-5 1/2 (1664)							
4-10 23/32 (1491)							
5-11 3/4 (1822)	UGLP3060	UGLP3660	UGLP4060	UGLP4660	UGLP5060	UGLP5660	UGLP6060
6-0 (1829)							
5-11 1/2 (1816)							
5-4 23/32 (1644)							

Details and Elevations not to scale.

- XO, OX, XX, XOX, and O available. Both sides of triple sash units operate.

• Conversions for horizontal mulls include required structural 1" (25) LVL

Please consult your local Marvin representative for additional mulling configurations.

For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

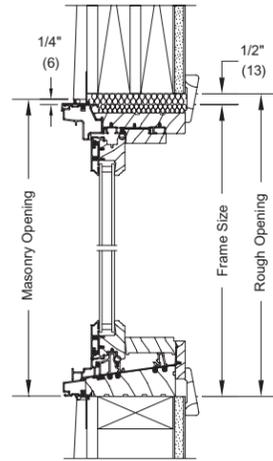
### Multiple Assembly Conversions

ROUGH OPENING		MASONRY OPENING WITHOUT BMC	
Width	Height for 2H	Width	Height for 2H
Add all frame sizes plus 1" (25)	Add all frame sizes plus 1/2" (13)	Add all frame sizes plus 1/2" (13)	Add all frame sizes plus 1/4" (6)

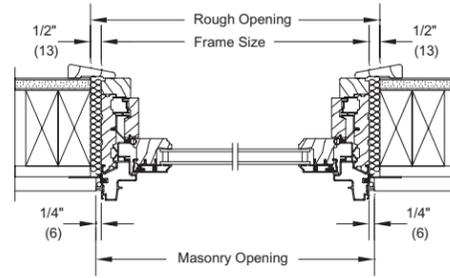
ULTIMATE GLIDER PICTURE: UGLP

# Glider Picture

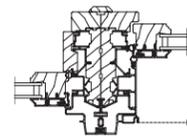
## Construction Details



HEAD JAMB AND SILL - PICTURE



JAMB - PICTURE

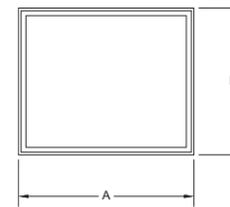


VERTICAL MULLION  
PICTURE/OPERATOR

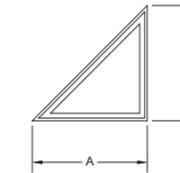
# Wood / Clad Polygons And Special Shapes

## How To Specify Dimensions

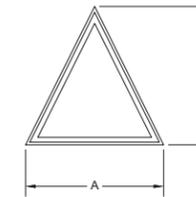
When ordering a trapezoid, triangle, or rectangle window, provide a sketch of the unit as viewed from the exterior, plus include key rough opening dimensions. Example: To order a window of a trapezoid opening, provide the measurements of A, B, and C as indicated. For other shapes, give the dimensions shown.



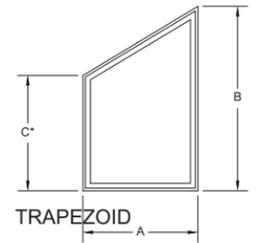
RECTANGLE



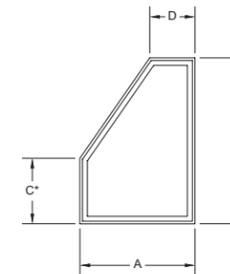
90° TRIANGLE



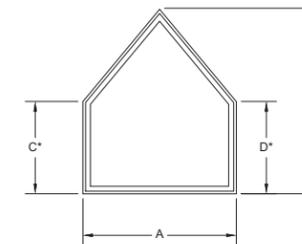
ISOSCELES TRIANGLE



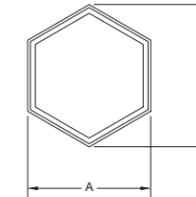
TRAPEZOID



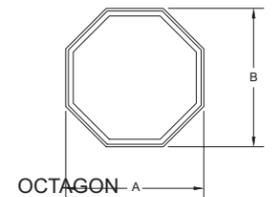
PENTAGON



PENTAGON



HEXAGON



OCTAGON

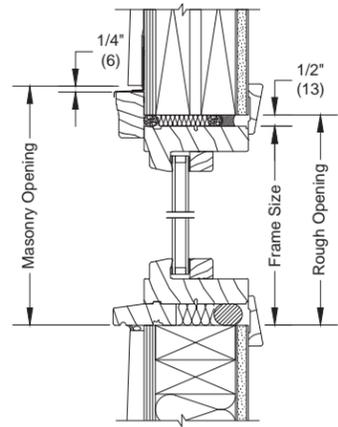
Details and Elevations not to scale.

- Jamb extensions over 7 7/16" (192) will be edge glued.
- Some shapes shown are also available as in-sash. Check with local Marvin representative for availability.
- Please contact local Marvin representative for assistance if multiple special shape units are aligned with other units. Rough opening dimensions may vary.
- 6" (152) minimum rough opening height.

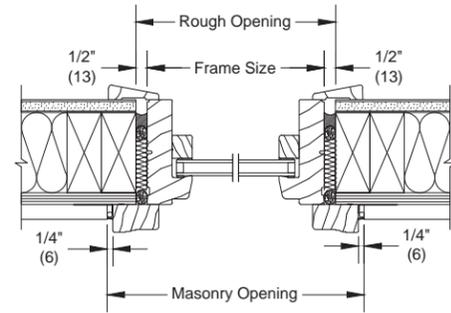
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Wood Direct Glaze Polygon / Direct Glaze Polygon

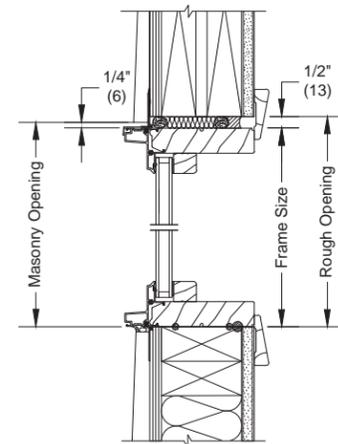
## Construction Details



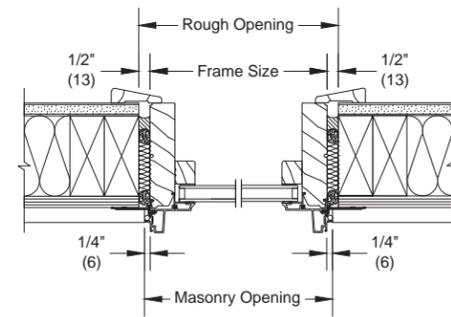
WOOD  
HEAD JAMB AND SILL - DIRECT GLAZE



WOOD  
JAMB - DIRECT GLAZE



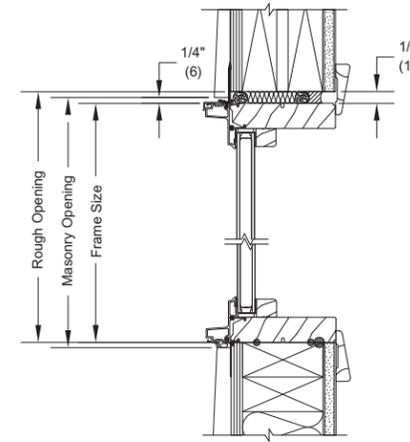
CLAD  
HEAD JAMB AND SILL - DIRECT GLAZE



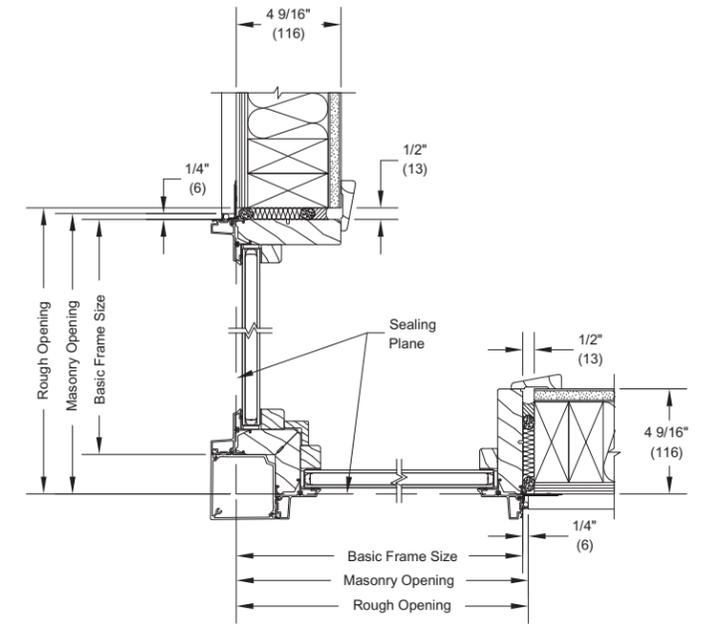
CLAD  
JAMB - DIRECT GLAZE

# Direct Glaze Polygon Corner

## Construction Details



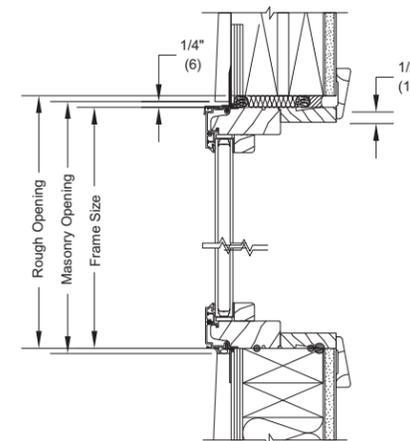
HEAD JAMB AND SILL



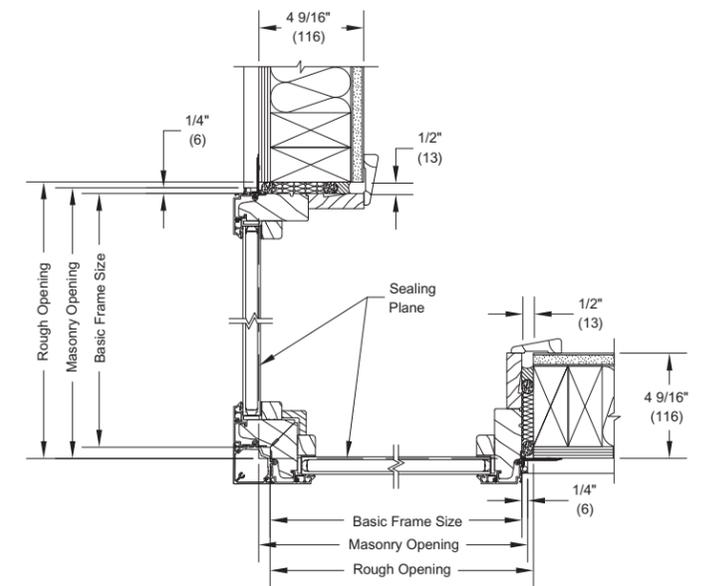
JAMBS

# Direct Glaze Narrow Frame Corner

## Construction Details



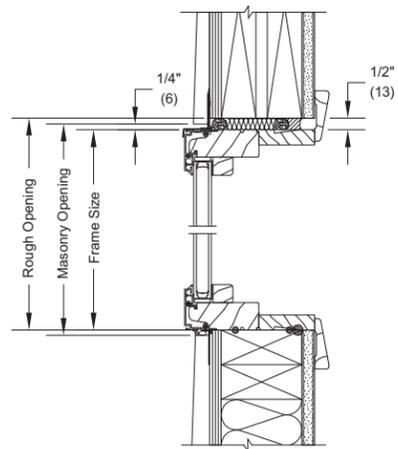
HEAD JAMB AND SILL



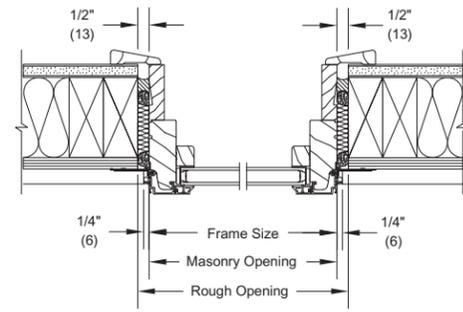
JAMBS

# Direct Glaze Narrow Frame Polygon

## Construction Details

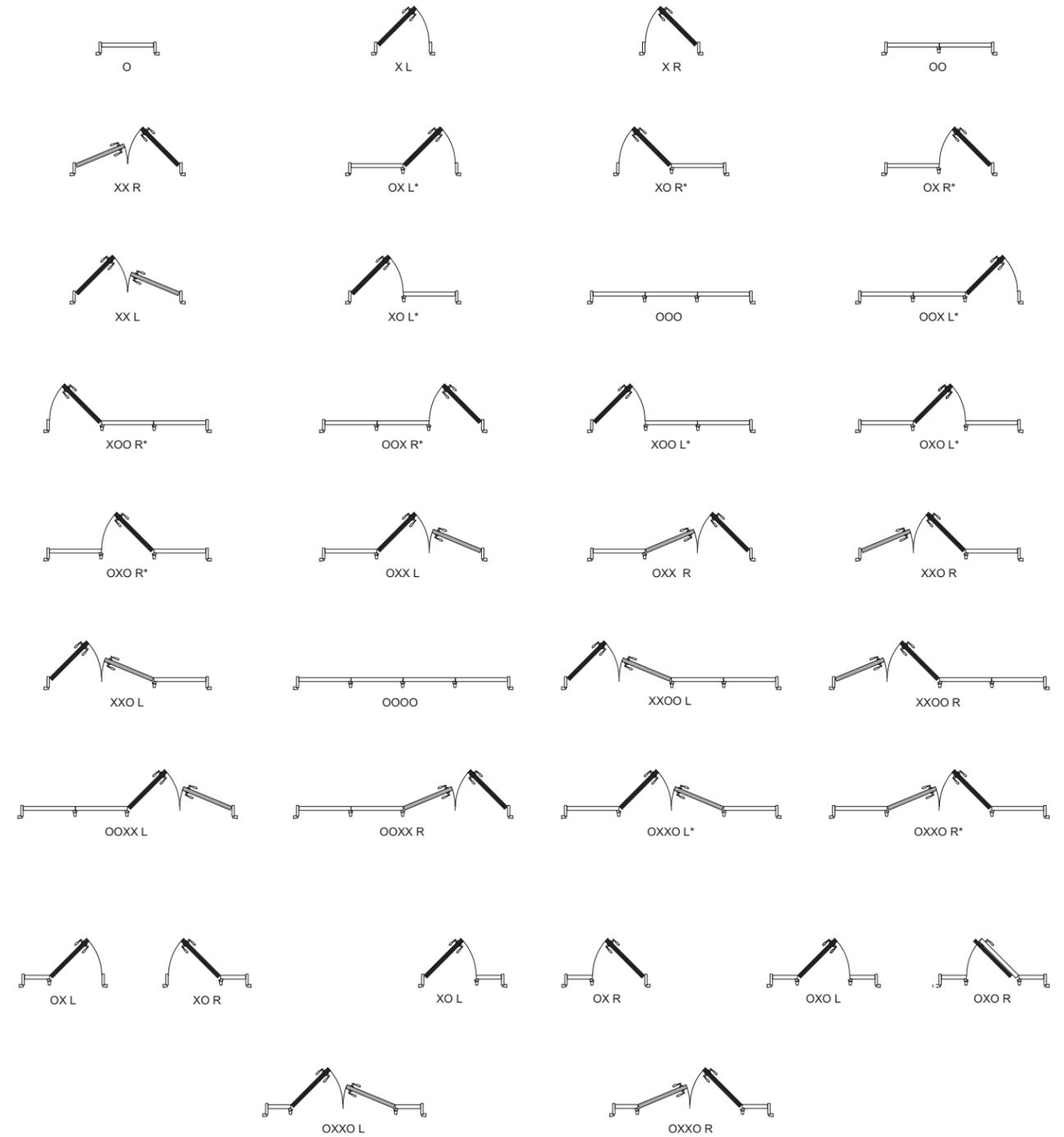


HEAD JAMB AND SILL



JAMBS

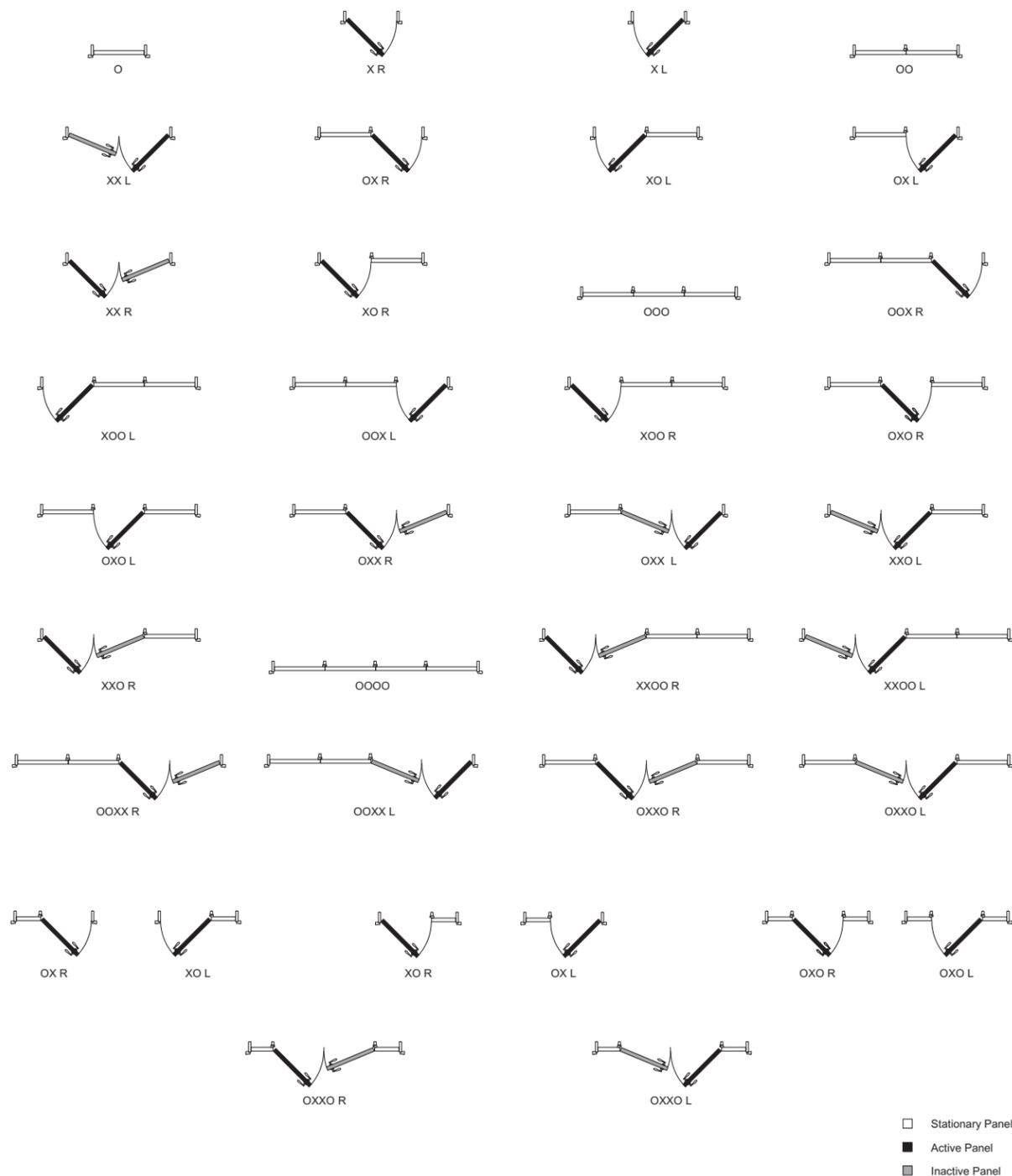
## Inswing Operating Configurations



- Stationary Panel
- Active Panel
- Inactive Panel

Details and Elevations not to scale.  
 Please consult your local Marvin representative for additional mulling configurations.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Outswing Operating Configurations



Details and Elevations not to scale.  
 O: STATIONARY X: OPERATING L: LEFT HAND R: RIGHT HAND  
 • Wood doors are available with Wood combo/storm and screens, contact your local Marvin representative.  
 • Available with sliding top hung aluminum screen.  
 Please consult your local Marvin representative for more information.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Inswing / Outswing French Door G2

## Size Chart

Standard Inswing and Outswing Unit Measurements															
Unit Type	CN	Width													
		Masonry Opening		Rough Opening		Frame Size		Panel OM		Daylight Std Opening		Standard Glass Size		Contemporary Glass Size	
		ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm	ft - in	mm	in	mm	in	mm
1 Panel	1-6	1-8 11/32	(517)	1-8 27/32	(529)	1-7 27/32	(504)	1-5 15/32	(444)	0-11 1/2	(292)	12 3/4	(324)	12 3/4	(324)
	2-6R	2-7 1/8	(791)	2-7 5/8	(803)	2-6 5/8	(778)	2-4 1/4	(718)	1-6 25/32	(477)	20 1/32	(509)	20 1/32	(509)
	3-0R	3-1 1/8	(943)	3-1 5/8	(956)	3-0 5/8	(930)	2-10 1/4	(870)	2-0 25/32	(629)	26 1/32	(661)	26 1/32	(661)
	2-0	2-1 15/16	(659)	2-2 7/16	(672)	2-1 7/16	(646)	1-11 1/16	(586)	1-1 19/32	(345)	14 27/32	(377)	14 27/32	(377)
	2-6	2-7 15/16	(811)	2-8 7/16	(824)	2-7 7/16	(799)	2-5 1/16	(738)	1-7 19/32	(498)	20 27/32	(529)	20 27/32	(529)
	2-8	2-9 15/16	(862)	2-10 7/16	(875)	2-9 7/16	(849)	2-7 1/16	(789)	1-9 19/32	(548)	22 27/32	(580)	22 27/32	(580)
	3-0	3-1 15/16	(964)	3-2 7/16	(976)	3-1 7/16	(951)	2-11 1/16	(891)	2-1 19/32	(650)	26 27/32	(682)	26 27/32	(682)
	3-6	3-7 15/16	(1116)	3-8 7/16	(1129)	3-7 7/16	(1103)	3-5 1/16	(1043)	2-7 19/32	(802)	32 27/32	(834)	32 27/32	(834)
2 Panel	5-0R*	4-11 1/2	(1511)	5-0	(1524)	4-11	(1499)	2-4 1/4	(718)	1-6 25/32	(477)	20 1/32	(509)	20 1/32	(509)
	6-0R*	5-11 1/2	(1816)	6-0	(1829)	5-11	(1803)	2-10 1/4	(870)	2-0 25/32	(629)	26 1/32	(661)	26 1/32	(661)
	4-0	4-1 1/8	(1248)	4-1 5/8	(1260)	4-0 5/8	(1235)	1-11 1/16	(586)	1-1 19/32	(345)	14 27/32	(377)	14 27/32	(377)
	5-0	5-1 1/8	(1553)	5-1 5/8	(1565)	5-0 5/8	(1540)	2-5 1/16	(738)	1-7 19/32	(498)	20 27/32	(529)	20 27/32	(529)
	5-4	5-5 1/8	(1654)	5-5 5/8	(1667)	5-4 5/8	(1641)	2-7 1/16	(789)	1-9 19/32	(548)	22 27/32	(580)	22 27/32	(580)
	6-0	6-1 1/8	(1857)	6-1 5/8	(1870)	6-0 5/8	(1845)	2-11 1/16	(891)	2-1 19/32	(650)	26 27/32	(682)	26 27/32	(682)
	7-0	7-1 1/8	(2162)	7-1 5/8	(2175)	7-0 5/8	(2149)	3-5 1/16	(1043)	2-7 19/32	(802)	32 27/32	(834)	32 27/32	(834)
3 Panel	9-0R	8-9 7/8	(2689)	8-10 3/8	(2702)	8-9 3/8	(2677)	2-10 1/4	(870)	2-0 25/32	(629)	26 1/32	(661)	26 1/32	(661)
	6-0	6-0 5/16	(1837)	6-0 13/16	(1849)	5-11 13/16	(1824)	1-11 1/16	(586)	1-1 19/32	(345)	14 27/32	(377)	14 27/32	(377)
	7-6	7-6 5/16	(2294)	7-6 13/16	(2307)	7-5 13/16	(2281)	2-5 1/16	(738)	1-7 19/32	(498)	20 27/32	(529)	20 27/32	(529)
	8-0	8-0 5/16	(2446)	8-0 13/16	(2459)	7-11 13/16	(2434)	2-7 1/16	(789)	1-9 19/32	(548)	22 27/32	(580)	22 27/32	(580)
	9-0	9-0 5/16	(2751)	9-0 13/16	(2764)	8-11 13/16	(2738)	2-11 1/16	(891)	2-1 19/32	(650)	26 27/32	(682)	26 27/32	(682)
	10-6	10-6 5/16	(3208)	10-6 13/16	(3221)	10-5 13/16	(3196)	3-5 1/16	(1043)	2-7 19/32	(802)	32 27/32	(834)	32 27/32	(834)
4 Panel	8-0	7-11 1/2	(2426)	8-0	(2438)	7-11	(2413)	1-11 1/16	(586)	1-1 19/32	(345)	14 27/32	(377)	14 27/32	(377)
	10-0	9-11 1/2	(3035)	10-0	(3048)	9-11	(3023)	2-5 1/16	(738)	1-7 19/32	(498)	20 27/32	(529)	20 27/32	(529)
	10-8	10-7 1/2	(3239)	10-8	(3251)	10-7	(3226)	2-7 1/16	(789)	1-9 19/32	(548)	22 27/32	(580)	22 27/32	(580)
	12-0	11-11 1/2	(3645)	12-0	(3658)	11-11	(3632)	2-11 1/16	(891)	2-1 19/32	(650)	26 27/32	(682)	26 27/32	(682)
	14-0	13-11 1/2	(4255)	14-0	(4267)	13-11	(4242)	3-5 1/16	(1043)	2-7 19/32	(802)	32 27/32	(834)	32 27/32	(834)
Height															
Unit Type	CN	Masonry Opening		Rough Opening		Frame Size		Panel OM		Daylight Std Opening		Standard Glass Size		Contemporary Glass Size	
		ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm	ft - in	mm	in	mm	in	mm
All Configurations	6-6R	6-7 3/4	(2026)	6-8	(2032)	6-7 1/2	(2019)	6-4 39/64	(1946)	5-3 47/64	(1794)	65 3/64	(1828)	68 27/64	(1738)
	6-8	6-10 1/4	(2089)	6-10 1/2	(2096)	6-10	(2083)	6-7 7/64	(2009)	5-6 15/64	(1858)	67 35/64	(1891)	70 59/64	(1801)
	7-0	7-2 1/4	(2191)	7-2 1/2	(2197)	7-2	(2184)	6-11 7/64	(2111)	5-10 15/64	(1959)	71 35/64	(1993)	74 59/64	(1903)
	8-0	8-2 1/4	(2496)	8-2 1/2	(2502)	8-2	(2489)	7-11 7/64	(2416)	6-10 15/64	(2264)	83 35/64	(2298)	86 59/64	(2208)
	9-0	9-2 1/4	(2800)	9-2 1/2	(2807)	9-2	(2794)	8-11 7/64	(2721)	7-10 15/64	(2569)	95 35/64	(2602)	98 59/64	(2513)
	10-0	10-2 1/4	(3105)	10-2 1/2	(3112)	10-2	(3099)	9-11 7/64	(3025)	8-10 15/64	(2874)	107 35/64	(2907)	110 59/64	(2817)

R = Retro Size  
 • All glass is tempered.  
 • 6 9/16" jambs required for Inswing French Door G2 and Inswing French Door 2 1/4" G2  
 • Doors above CN 8/0 height use 2 1/4" panels.  
 • Some configurations require KD.  
 Please consult your local Marvin representative for masonry openings that include casings and subsills.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

ULTIMATE INSWING FRENCH DOOR G2: UIFDG2  
 ULTIMATE OUTSWING FRENCH DOOR G2: UOFDG2  
 ULTIMATE INSWING FRENCH DOOR 2 1/4" G2: UIFD225G2  
 ULTIMATE OUTSWING FRENCH DOOR 2 1/4" G2: UOFD225G2

# Inswing / Outswing French Door Transoms G2

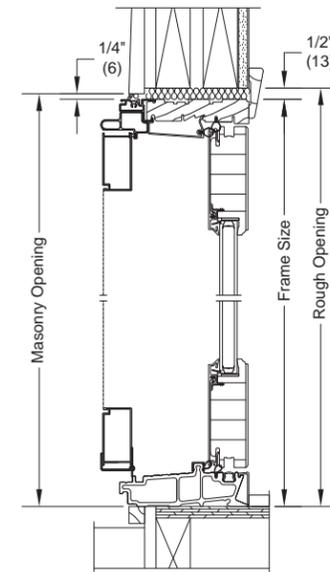
## Size Chart

Standard In-Sash Transom Unit Measurements													
Width													
Unit Type	Call Number	Masonry Opening		Rough Opening		Frame Size		Sash OM		Daylight Opening		Glass Size	
		ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm	ft - in	mm	ft - in	mm
1 Sash 1 Frame	1-6	1-8 11/32	(517)	1-8 27/32	(529)	1-7 27/32	(504)	1-5 15/32	(444)	0-8	(203)	9 1/4	(235)
	2-0	2-1 15/16	(659)	2-2 7/16	(672)	2-1 7/16	(646)	1-11 1/16	(586)	1-1 19/32	(345)	14 27/32	(377)
	2-6	2-7 15/16	(811)	2-8 7/16	(824)	2-7 7/16	(799)	2-5 1/16	(738)	1-7 19/32	(498)	20 27/32	(529)
	2-8	2-9 15/16	(862)	2-10 7/16	(875)	2-9 7/16	(849)	2-7 1/16	(789)	1-9 19/32	(548)	22 27/32	(580)
	3-0	3-1 15/16	(964)	3-2 7/16	(976)	3-1 7/16	(951)	2-11 1/16	(891)	2-1 19/32	(650)	26 27/32	(682)
	3-6	3-7 15/16	(1116)	3-8 7/16	(1129)	3-7 7/16	(1103)	3-5 1/16	(1043)	2-7 19/32	(802)	32 27/32	(834)
	4-0	4-1 1/8	(1248)	4-1 5/8	(1260)	4-0 5/8	(1235)	3-10 1/4	(1175)	3-0 25/32	(934)	38 1/32	(966)
	5-0	5-1 1/8	(1553)	5-1 5/8	(1565)	5-0 5/8	(1540)	4-10 1/4	(1480)	4-0 25/32	(1239)	50 1/32	(1271)
	5-4	5-5 1/8	(1654)	5-5 5/8	(1667)	5-4 5/8	(1641)	5-2 1/4	(1581)	4-4 25/32	(1341)	54 1/32	(1372)
	6-0	6-1 1/8	(1857)	6-1 5/8	(1870)	6-0 5/8	(1845)	5-10 1/4	(1784)	5-0 25/32	(1544)	62 1/32	(1576)
7-0	7-1 1/8	(2162)	7-1 5/8	(2175)	7-0 5/8	(2149)	6-10 1/4	(2089)	6-0 25/32	(1849)	74 1/32	(1880)	
2 Sash 1 Frame	4-0	4-1 1/8	(1248)	4-1 5/8	(1260)	4-0 5/8	(1235)	1-11 1/16	(586)	1-1 19/32	(345)	14 27/32	(377)
	5-0	5-1 1/8	(1553)	5-1 5/8	(1565)	5-0 5/8	(1540)	2-5 1/16	(738)	1-7 19/32	(498)	20 27/32	(529)
	5-4	5-5 1/8	(1654)	5-5 5/8	(1667)	5-4 5/8	(1641)	2-7 1/16	(789)	1-9 19/32	(548)	22 27/32	(580)
	6-0	6-1 1/8	(1857)	6-1 5/8	(1870)	6-0 5/8	(1845)	2-11 1/16	(891)	2-1 19/32	(650)	26 27/32	(682)
	7-0	7-1 1/8	(2162)	7-1 5/8	(2175)	7-0 5/8	(2149)	3-5 1/16	(1043)	2-7 19/32	(802)	32 27/32	(834)
3 Sash 1 Frame	6-0	6-0 5/16	(1837)	6-0 13/16	(1849)	5-11 13/16	(1824)	1-11 1/16	(586)	1-1 19/32	(345)	14 27/32	(377)
	7-6	7-6 5/16	(2294)	7-6 13/16	(2307)	7-5 13/16	(2281)	2-5 1/16	(738)	1-7 19/32	(498)	20 27/32	(529)
	8-0	8-0 5/16	(2446)	8-0 13/16	(2459)	7-11 13/16	(2434)	2-7 1/16	(789)	1-9 19/32	(548)	22 27/32	(580)
	9-0	9-0 5/16	(2751)	9-0 13/16	(2764)	8-11 13/16	(2738)	2-11 1/16	(891)	2-1 19/32	(650)	26 27/32	(682)
	10-6	10-6 5/16	(3208)	10-6 13/16	(3221)	10-5 13/16	(3196)	3-5 1/16	(1043)	2-7 19/32	(802)	32 27/32	(834)
4 Sash 1 Frame	8-0	7-11 1/2	(2426)	8-0	(2438)	7-11	(2413)	1-11 1/16	(586)	1-1 19/32	(345)	14 27/32	(377)
	10-0	9-11 1/2	(3035)	10-0	(3048)	9-11	(3023)	2-5 1/16	(738)	1-7 19/32	(498)	20 27/32	(529)
	10-8	10-7 1/2	(3239)	10-8	(3251)	10-7	(3226)	2-7 1/16	(789)	1-9 19/32	(548)	22 27/32	(580)
	12-0	11-11 1/2	(3645)	12-0	(3658)	11-11	(3632)	2-11 1/16	(891)	2-1 19/32	(650)	26 27/32	(682)
	14-0	13-11 1/2	(4255)	14-0	(4267)	13-11	(4242)	3-5 1/16	(1043)	2-7 19/32	(802)	32 27/32	(834)
Height													
Unit Type	Call Number	Masonry Opening		Rough Opening		Frame Size		Sash OM		Daylight Opening		Glass Size	
		ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm	ft - in	mm	ft - in	mm
All Configurations	1-6	1-6 1/4	(464)	1-6 1/2	(470)	1-6	(457)	1-3 5/8	(397)	1-0 13/64	(310)	13 29/64	(342)
	2-0	2-0 1/4	(616)	2-0 1/2	(622)	2-0	(610)	1-9 5/8	(549)	1-6 13/64	(462)	19 29/64	(494)
	2-6	2-6 1/4	(768)	2-6 1/2	(775)	2-6	(762)	2-3 5/8	(702)	2-0 13/64	(615)	25 29/64	(647)

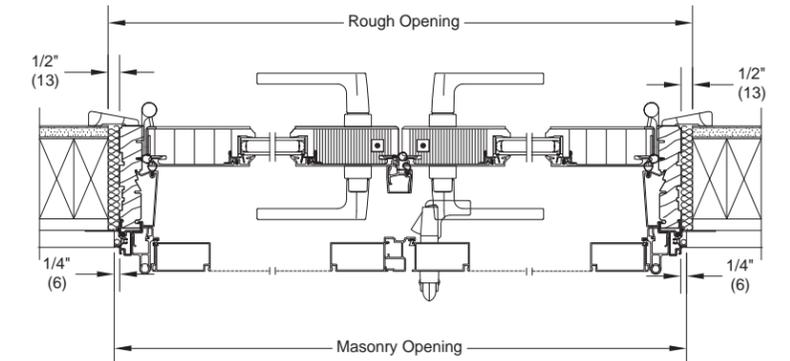
ULTIMATE INSWING FRENCH DOOR G2 TRANSOMS: UIFDG2TR  
 ULTIMATE OUTSWING FRENCH DOOR G2 TRANSOMS: UOFDG2TR

# Inswing French Door G2

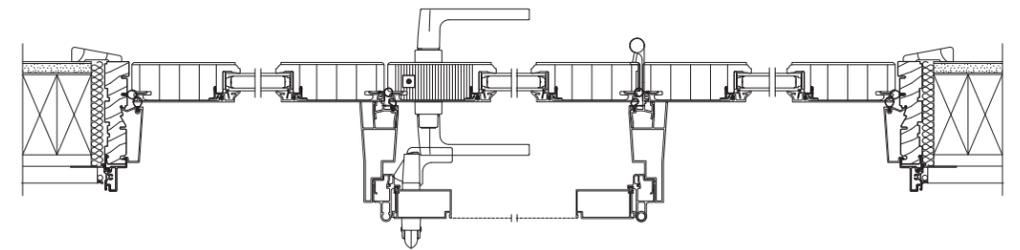
## Construction Details



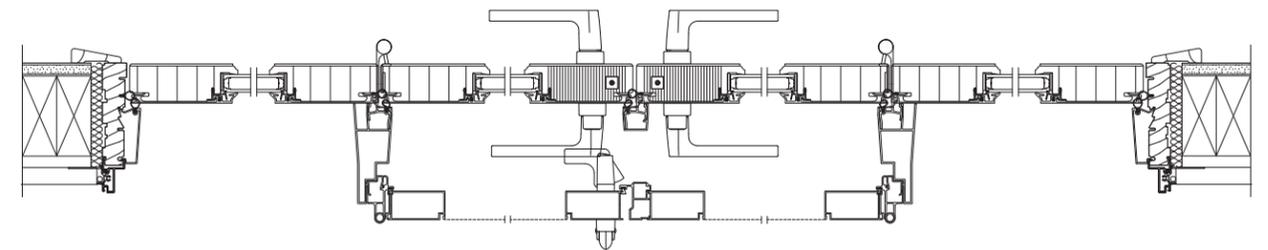
4 9/16" HEAD JAMB AND SILL WITH ULTIMATE SWINGING SCREEN



2 PANEL JAMB XX LH WITH ULTIMATE SWINGING SCREEN



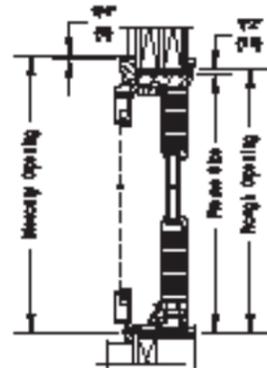
3 PANEL JAMB OXO RH WITH ULTIMATE SWINGING SCREEN



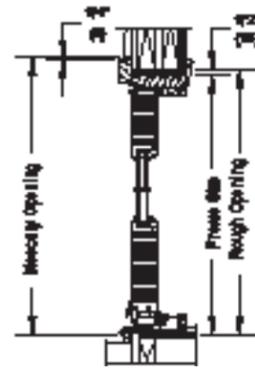
4 PANEL JAMB OXO LH WITH ULTIMATE SWINGING SCREEN

# Wood Inswing / Wood Outswing French Door 2 1/4"

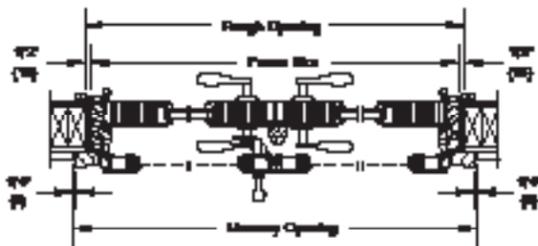
## Construction Details



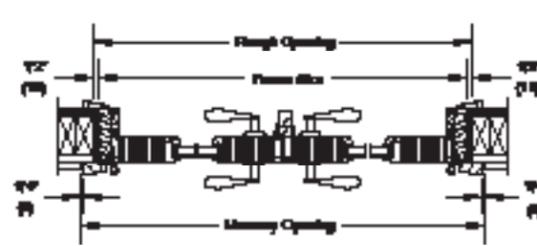
WOOD INSWING HEAD JAMB AND SILL WITH ULTIMATE SWINGING SCREEN



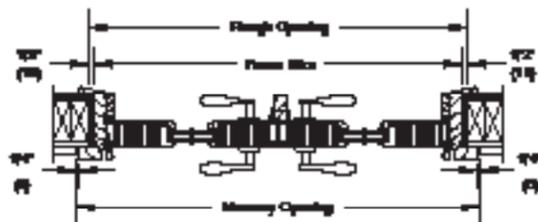
WOOD OUTSWING HEAD JAMB AND SILL



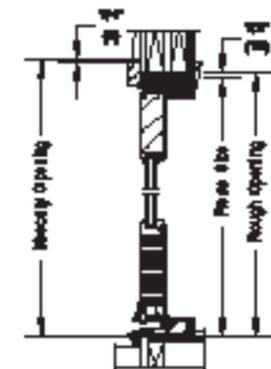
WOOD INSWING 2 PANEL JAMB XXLHI WITH ULTIMATE SWINGING SCREEN



WOOD OUTSWING 2 PANEL JAMB XXRHO



WOOD ARCHTOP OUTSWING 2 PANEL JAMB XXR



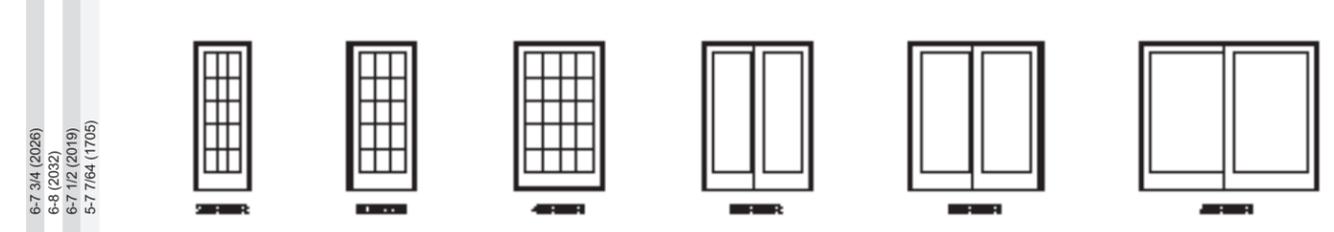
WOOD ARCHTOP OUTSWING HEAD JAMB AND SILL

Details and Elevations not to scale.  
Please consult your local Marvin representative for more information.  
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

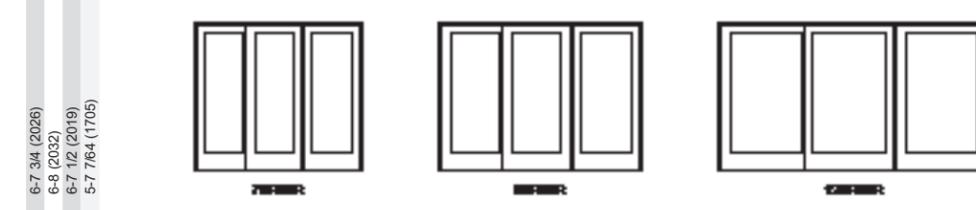
# Sliding French Door G2

## 6-6R Height

Clad MO (mm)	2-9 9/16 (852)	3-3 9/16 (943)	4-3 9/16 (1310)	4-11 1/2 (1511)	5-11 1/2 (1816)	7-11 1/2 (2426)
RO (mm)	2-10 1/16 (865)	3-4 1/16 (1017)	4-4 1/16 (1322)	5-0 (1524)	6-0 (1829)	8-0 (2438)
FS (mm)	2-9 1/16 (840)	3-3 1/16 (992)	4-3 1/16 (1297)	4-11 (1499)	5-11 (1803)	7-11 (2413)
*DLO (mm)	1-9 7/32 (539)	2-3 25/32 (691)	3-3 7/32 (996)	1-9 13/64 (539)	2-3 13/64 (691)	3-3 13/64 (996)



Clad MO (mm)	7-6 19/64 (2294)	9-0 19/64 (2751)	12-0 19/64 (3665)
RO (mm)	7-6 51/64 (2306)	9-0 51/64 (2764)	12-0 51/64 (3678)
FS (mm)	7-5 51/64 (2281)	8-11 51/64 (2738)	11-11 51/64 (3653)
*DLO (mm)	1-9 13/64 (532)	2-3 13/64 (691)	3-3 13/64 (996)



\* DLO SHOWN IS WITH THE SHORT BOTTOM RAIL (SBR). TALL BOTTOM RAIL (TBR): SBR MINUS 3-3/8" (85)

For other standard sizes, see size chart on next page.

Details and Elevations not to scale.  
O: STATIONARY X: OPERATING L: LEFT HAND R: RIGHT HAND  
R = Retro Size

- Lite patterns shown are for standard, SDL and ADL in 6-6 and 6-8 heights. The standard lite pattern for 8-0 height is a 6 high lite cut. Standard lite cut for 9-0 height is a 7 high lite cut.
- All glass is tempered.
- Right or left hand operation is determined by the direction the door panel travels to open position, as viewed from exterior. OXXO can be ordered Left active or Right active.
- Available in clad 6-8 height only.

Please consult your local Marvin representative for masonry openings that include casings and subsills.

For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

ULTIMATE SLIDING FRENCH DOOR G2: USFDG2

# Sliding French Door G2

## Size Chart

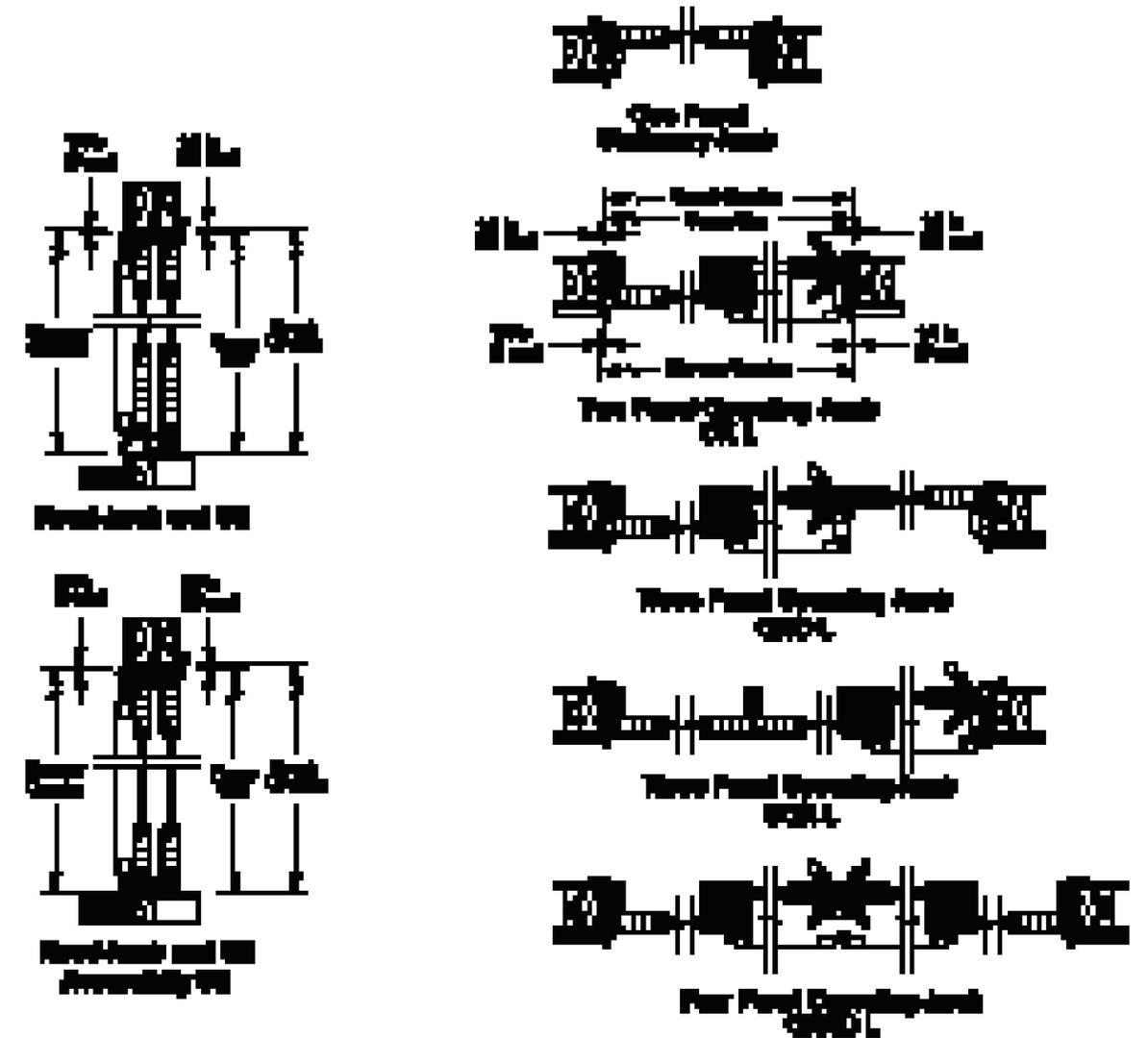
Unit Type	CN	Masonry Opening		Rough Opening		Frame Size		Panel OM		Daylight Std Opening		Standard Glass Size	
		ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm	ft - in	mm	in	mm
1 Panel	2-6	2-10 3/8	(873)	2-10 7/8	(886)	2-9 7/8	(860)	2-7 1/2	(800)	1-10 1/32	(559)	1-11 17/64	(591)
	3-0	3-4 3/8	(1025)	3-4 7/8	(1038)	3-3 7/8	(1013)	3-1 1/2	(952)	2-4 1/32	(712)	2-5 17/64	(744)
	4-0	4-4 3/8	(1330)	4-4 7/8	(1343)	4-3 7/8	(1317)	4-1 1/2	(1257)	3-4 1/32	(1017)	3-5 17/64	(1048)
	5-0	5-4 3/8	(1635)	5-4 7/8	(1648)	5-3 7/8	(1622)	5-1 1/2	(1562)	4-4 1/32	(1321)	4-5 17/64	(1353)
	2-6R	2-9 9/16	(852)	2-10 1/16	(865)	2-9 1/16	(840)	2-6 11/16	(779)	1-9 7/32	(539)	1-10 15/32	(571)
	3-0R	3-3 9/16	(1005)	3-4 1/16	(1017)	3-3 1/16	(992)	3-0 11/16	(932)	2-3 7/32	(691)	2-4 15/32	(723)
4-0R	4-3 9/16	(1310)	4-4 1/16	(1322)	4-3 1/16	(1297)	4-0 11/16	(1236)	3-3 7/32	(996)	3-4 15/32	(1028)	
2 Panel	5-0	5-1 1/8	(1553)	5-1 5/8	(1565)	5-0 5/8	(1540)	2-7 31/64	(800)	1-10 1/64	(559)	1-11 17/64	(591)
	6-0	6-1 1/8	(1857)	6-1 5/8	(1870)	6-0 5/8	(1845)	3-1 31/64	(952)	2-4 1/64	(712)	2-5 17/64	(744)
	8-0	8-1 1/8	(2467)	8-1 5/8	(2480)	8-0 5/8	(2454)	4-1 31/64	(1257)	3-4 1/64	(1017)	3-5 17/64	(1048)
	10-0	10-1 1/8	(3077)	10-1 5/8	(3089)	10-0 5/8	(3064)	5-1 31/64	(1562)	4-4 1/64	(1321)	4-5 17/64	(1353)
	5-0R	4-11 1/2	(1511)	5-0	(1524)	4-11	(1499)	2-6 43/64	(779)	1-9 13/64	(539)	1-10 29/64	(570)
	6-0R	5-11 1/2	(1816)	6-0	(1829)	5-11	(1803)	3-0 43/64	(932)	2-3 13/64	(691)	2-4 29/64	(723)
8-0R	7-11 1/2	(2426)	8-0	(2438)	7-11	(2413)	4-0 43/64	(1236)	3-3 13/64	(996)	3-4 29/64	(1028)	
3 Panel	7-6	7-8 47/64	(2356)	7-9 15/64	(2368)	7-8 15/64	(2343)	2-7 31/64	(800)	1-10 1/64	(559)	1-11 17/64	(591)
	9-0	9-2 47/64	(2813)	9-3 15/64	(2825)	9-2 15/64	(2800)	3-1 31/64	(952)	2-4 1/64	(712)	2-5 17/64	(744)
	12-0	12-2 47/64	(3727)	12-3 15/64	(3740)	12-2 15/64	(3715)	4-1 31/64	(1257)	3-4 1/64	(1017)	3-5 17/64	(1048)
	15-0	15-2 47/64	(4642)	15-3 15/64	(4654)	15-2 15/64	(4629)	5-1 31/64	(1562)	4-4 1/64	(1321)	4-5 17/64	(1353)
	7-6R	7-6 19/64	(2294)	7-6 51/64	(2306)	7-5 51/64	(2281)	2-6 43/64	(779)	1-9 13/64	(539)	1-10 29/64	(570)
	9-0R	9-0 19/64	(2751)	9-0 51/64	(2764)	8-11 51/64	(2738)	3-0 43/64	(932)	2-3 13/64	(691)	2-4 29/64	(723)
12-0R	12-0 19/64	(3665)	12-0 51/64	(3678)	11-11 51/64	(3653)	4-0 43/64	(1236)	3-3 13/64	(996)	3-4 29/64	(1028)	
4 Panel	10-0	9-11 1/2	(3035)	10-0	(3048)	9-11	(3023)	2-7 31/64	(800)	1-10 1/64	(559)	1-11 17/64	(591)
	12-0	11-11 1/2	(3645)	12-0	(3658)	11-11	(3632)	3-1 31/64	(952)	2-4 1/64	(712)	2-5 17/64	(744)
	16-0	15-11 1/2	(4864)	16-0	(4877)	15-11	(4851)	4-1 31/64	(1257)	3-4 1/64	(1017)	3-5 17/64	(1048)

Wall Type	CN	Masonry Opening		Rough Opening		Frame Size		Panel OM	
		ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm
All Configurations	6-ERL	6-7 3/4	(2026)	6-8	(2032)	6-7 1/2	(2019)	6-4 39/64	(1986)
	6-R	6-10 1/4	(2089)	6-10 1/2	(2095)	6-10	(2083)	6-7 7/64	(2029)
	7-0	7-2 1/4	(2191)	7-2 1/2	(2197)	7-2	(2184)	6-11 7/64	(2111)
	8-0	8-2 1/4	(2496)	8-2 1/2	(2502)	8-2	(2489)	7-11 7/64	(2416)
	9-0	9-2 1/4	(2800)	9-2 1/2	(2807)	9-2	(2794)	8-11 7/64	(2721)
	10-0	10-2 1/4	(3105)	10-2 1/2	(3112)	10-2	(3099)	9-11 7/64	(3025)

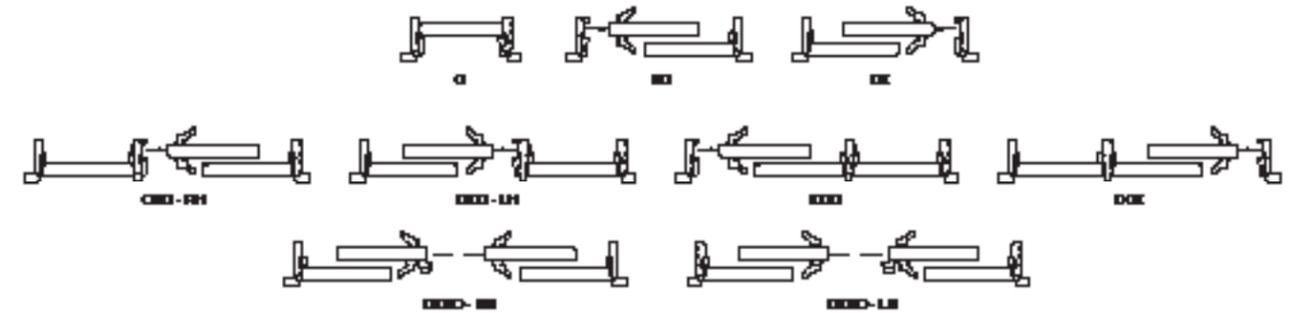
Wall Type	CN	Daylight Opening Short Eullum Rail		Daylight Opening Tall Eullum Rail		Short Eullum Rail Glass Size		Tall Eullum Rail Glass Size	
		ft - in	mm	in	mm	ft - in	mm	in	mm
All Configurations	6-ERL	5-7 7/64	(1705)	5-3 47/64	(1619)	5-8 23/64	(1736)	5-4 63/64	(1651)
	6-R	5-9 39/64	(1768)	5-5 15/64	(1682)	5-10 55/64	(1800)	5-7 31/64	(1714)
	7-0	6-1 39/64	(1870)	5-10 15/64	(1784)	6-2 55/64	(1901)	5-11 31/64	(1816)
	8-0	7-1 39/64	(2175)	6-10 15/64	(2089)	7-2 55/64	(2206)	6-11 31/64	(2121)
	9-0	8-1 39/64	(2479)	7-10 15/64	(2394)	8-2 55/64	(2511)	7-11 31/64	(2425)
	10-0	9-1 39/64	(2784)	8-10 15/64	(2698)	9-2 55/64	(2816)	8-11 31/64	(2730)

# Sliding French Door G2

## Construction Details



## Panel Configurations



# Sliding French Door Transoms

## 1 Frame 1 Sash 1/6 Height (2/0 and 2/6 Heights See Below)

Clad MO (mm)	2-7 15/16 (811)	3-1 15/16 (964)	4-1 15/16 (1268)	5-1 1/8 (1553)	6-1 1/8 (1857)	8-1 1/8 (2467)
RO (mm)	2-8 7/16 (824)	3-2 7/16 (976)	4-2 7/16 (1281)	5-1 5/8 (1565)	6-1 5/8 (1870)	8-1 5/8 (2480)
FS (mm)	2-7 7/16 (799)	3-1 7/16 (951)	4-1 7/16 (1256)	5-0 5/8 (1540)	6-0 5/8 (1845)	8-0 5/8 (2454)
DLO (mm)	1-7 19/32 (498)	2-1 19/32 (650)	3-1 19/32 (955)	4-0 25/32 (1239)	5-0 25/32 (1544)	7-0 25/32 (2153)



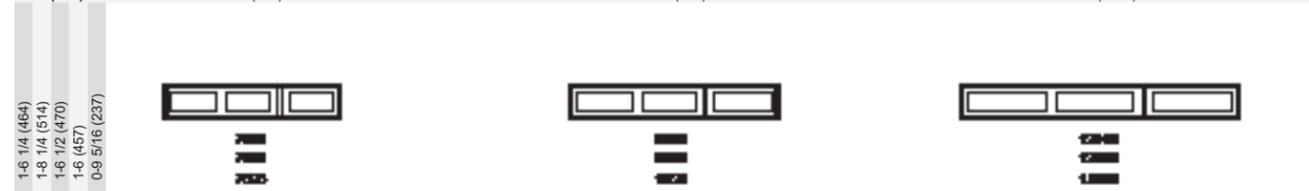
## 1 Frame 1 Sash With Center Stile 1/6 Height (2/0 And 2/6 Heights See Below)

Clad MO (mm)	5-1 1/8 (1553)	6-1 1/8 (1857)	8-1 1/8 (2467)
RO (mm)	5-1 5/8 (1565)	6-1 5/8 (1870)	8-1 5/8 (2480)
FS (mm)	5-0 5/8 (1540)	6-0 5/8 (1845)	8-0 5/8 (2454)
DLO (mm)	1-9 3/4 (552)	2-3 3/4 (705)	3-3 3/4 (1010)



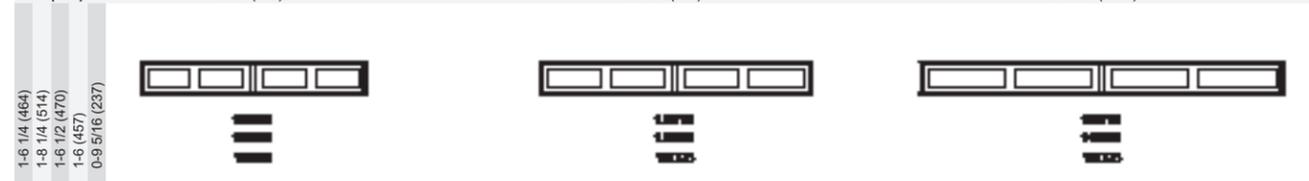
## 1 Frame 2 Sash With Center Stile 1/6 Height (2/0 And 2/6 Heights See Below)

Clad MO (mm)	7-9 1/4 (2369)	9-3 1/4 (2826)	12-3 1/4 (3740)
RO (mm)	7-9 3/4 (2381)	9-3 3/4 (2838)	12-3 3/4 (3753)
FS (mm)	7-8 3/4 (2356)	9-2 3/4 (2813)	12-2 3/4 (3727)
DLO (mm)	1-9 3/4 (552)	2-3 3/4 (705)	3-3 3/4 (1010)



## 1 Frame 2 Sash With 2 Center Stile 1/6 Height (2/0 And 2/6 Heights See Below)

Clad MO (mm)	9-11 1/2 (3035)	11-11 1/2 (3645)	15-11 1/2 (4864)
RO (mm)	10-0 (3048)	12-0 (3658)	16-0 (4877)
FS (mm)	9-11 (3023)	11-11 (3632)	15-11 (4851)
DLO (mm)	1-9 3/4 (552)	2-3 3/4 (705)	3-3 3/4 (1010)



2-0 and 2-6 Heights:		
	2-0 Height	2-6 Height
Clad MO (mm)	2-0 1/4 (616)	2-6 1/4 (768)
RO (mm)	2-0 1/2 (622)	2-6 1/2 (775)
FS (mm)	2-0 (610)	2-6 (762)
DLO (mm)	1-3 5/16 (389)	1-9 5/16 (541)

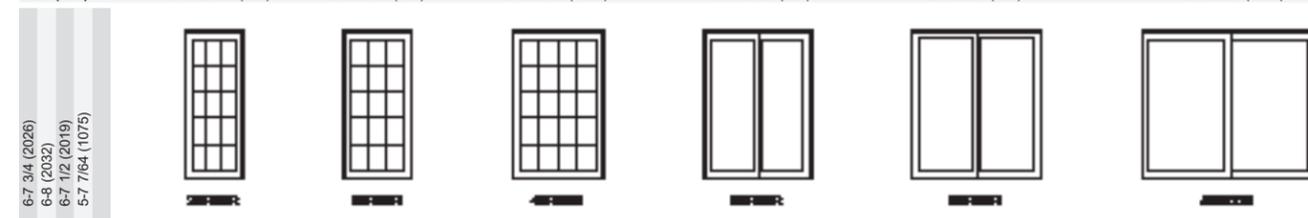
Details and Elevations not to scale.  
 • Some transoms available factory mullled.  
 Please consult your local Marvin representative for information on structural mulling guidelines and masonry openings that include casings and subsills.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

**ULTIMATE SLIDING FRENCH DOOR TRANSOM G2: USFDTR G2**

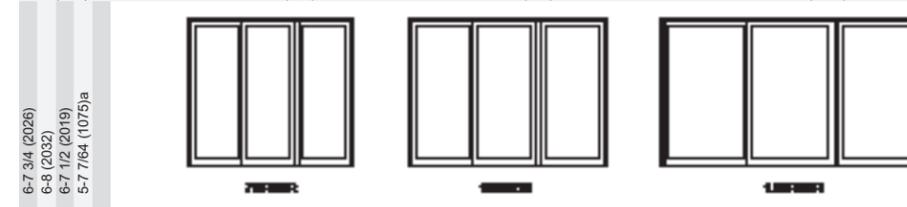
# Sliding Door (3" Stiles)

## 6-6R Height

Clad MO (mm)	2-8 11/16 (830)	3-2 11/16 (982)	4-2 11/16 (1287)	4-11 1/2 (1511)	5-11 1/2 (1816)	7-11 1/2 (2426)
RO (mm)	2-9 3/16 (843)	3-3 3/16 (995)	4-3 3/16 (1300)	5-0 (1524)	6-0 (1829)	8-0 (2438)
FS (mm)	2-8 3/16 (817)	3-2 3/16 (970)	4-2 3/16 (1275)	4-11 (1499)	5-11 (1803)	7-11 (2413)
DLO (mm)	1-11 27/32 (605)	2-5 27/32 (758)	3-5 27/32 (1063)	1-11 53/64 (605)	2-5 53/64 (758)	3-5 53/64 (1063)



Clad MO (mm)	7-5 27/64 (2271)	8-11 27/64 (2729)	11-11 27/64 (3643)
RO (mm)	7-5 59/64 (2284)	8-11 59/64 (2741)	11-11 59/64 (3691)
FS (mm)	7-4 59/64 (2259)	8-10 59/64 (2716)	11-10 59/64 (3630)
DLO (mm)	1-11 53/64 (605)	2-5 53/64 (758)	3-5 53/64 (1063)



5-0, 10-0 and 15-0 WIDTHS:			
	5-0 Width	10-0 Width	15-0 Width
Clad MO (mm)	5-3 1/2 (1613)	10-1 1/8 (3077)	15-1 55/64 (4619)
RO (mm)	5-4 (1625)	10-1 5/8 (3089)	15-2 23/64 (4632)
FS (mm)	5-3 (1600)	10-0 5/8 (3064)	15-1 23.64 (4607)
DLO (mm)	4-6 21/32 (1388)	4-6 41/64 (1368)	4-6 41/64 (1388)

5-0 WIDTH PANELS AVAILABLE UP TO 3-PANELS, AND  
 5-0 WIDTH PANELS AVAILABLE UP TO 6-8 HEIGHTS.

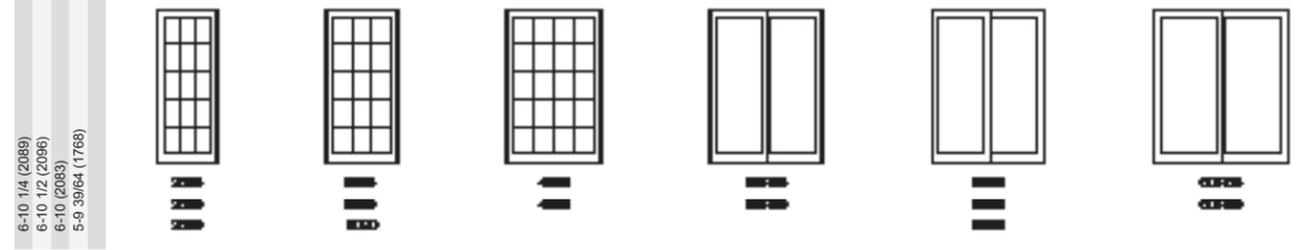
Details and Elevations not to scale.  
 R = Retro Size  
 • Lite patterns shown are for standard and SDL.  
 • All glass is tempered.  
 • Right or left hand operation is determined by the direction the door panel travels to open position, as viewed from exterior.  
 Please consult your local Marvin representative for masonry openings that include casings and subsills.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

**ULTIMATE SLIDING DOOR: USD**

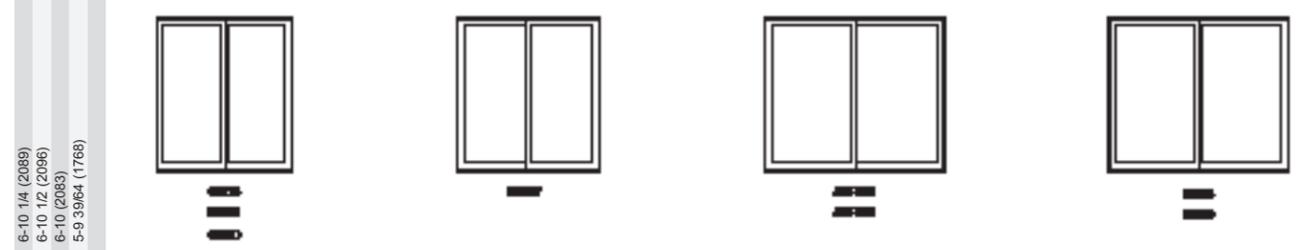
# Sliding Door (3" Stiles)

6-8 Height (8-0, 9-0 and 10-0 Height See Below)

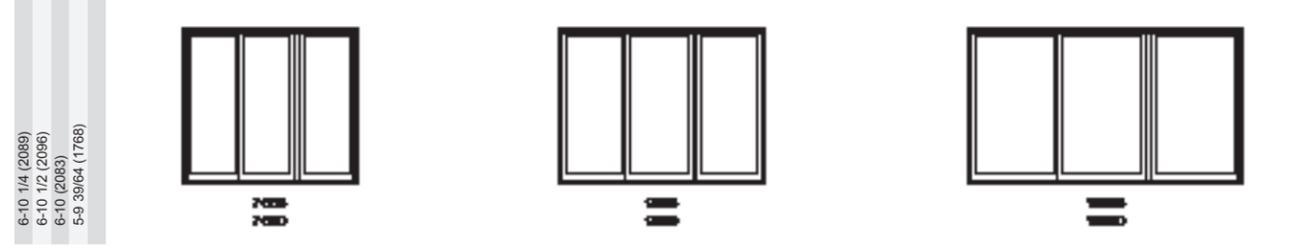
Clad MO (mm)	2-9 1/2 (851)	3-3 1/2 (1003)	4-3 1/2 (1308)	4-11 1/2 (1511)	5-1 1/8 (1553)	5-11 1/2 (1816)
RO (mm)	2-10 (863)	3-4 (1016)	4-4 (1321)	5-0 (1524)	5-1 5/8 (1565)	6-0 (1829)
FS (mm)	2-9 (838)	3-3 (990)	4-3 (1295)	4-11 (1499)	5-0 5/8 (1540)	5-11 (1803)
DLO (mm)	2-0 21/32 (626)	2-6 21/32 (778)	3-6 21/32 (1083)	1-11 5/8 (600)	2-0 41/64 (626)	2-5 53/64 (758)



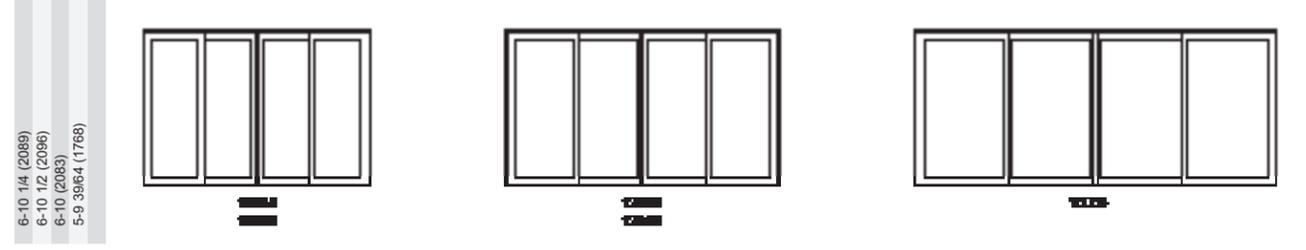
Clad MO (mm)	6-1 1/8 (1857)	6-5 1/2 (1969)	7-11 1/2 (2426)	8-1 1/8 (2467)
RO (mm)	6-1 5/8 (1870)	6-6 (1981)	8-0 (2438)	8-1 5/8 (2480)
FS (mm)	6-0 5/8 (1845)	6-5 (1956)	7-11 (2413)	8-0 5/8 (2454)
DLO (mm)	2-6 41/64 (778)	2-8 53/64 (834)	3-5 53/64 (1064)	3-6 41/64 (1083)



Clad MO (mm)	7-7 55/64 (2333)	9-1 55/64 (2791)	12-1 55/64 (3705)
RO (mm)	7-8 23/64 (2346)	9-2 23/64 (2803)	12-2 23/64 (3718)
FS (mm)	7-7 23/64 (2321)	9-1 23/64 (2778)	12-1 23/64 (3692)
DLO (mm)	2-0 41/64 (626)	2-6 41/64 (778)	3-6 41/64 (1083)



Clad MO (mm)	9-11 1/2 (3035)	11-11 1/2 (3645)	15-11 1/2 (4864)
RO (mm)	10-0 (3048)	12-0 (3658)	16-0 (4877)
FS (mm)	9-11 (3023)	11-11 (3632)	15-11 (4851)
DLO (mm)	2-0 41/64 (626)	2-6 41/64 (778)	3-6 41/64 (1083)

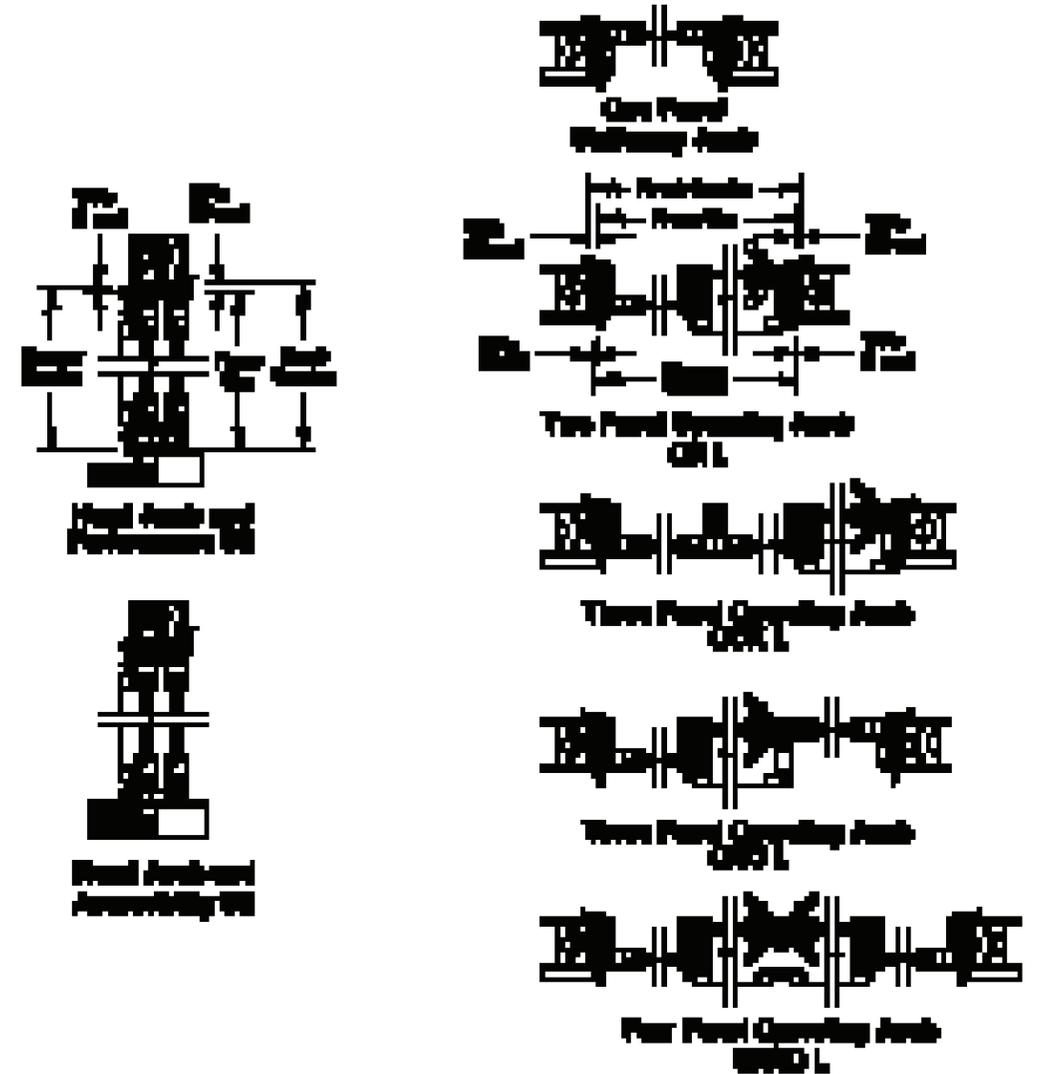


8-0, 9-0 and 10-0 HEIGHTS:			
	8-0 Height	9-0 Height	10-0 Height
Clad MO (mm)	8-2 1/4 (2496)	9-2 1/4 (2800)	10-2 1/4 (3105)
RO (mm)	8-2 1/2 (2502)	9-2 1/2 (2807)	10-2 1/2 (3112)
FS (mm)	8-2 (2489)	9-2 (2794)	10-2 (3099)
DLO (mm)	7-1 39/64 (2175)	8-1 39/64 (2479)	9-1 39/64 (2905)

Details and Elevations not to scale.  
 • CN 9-0 heights are limited to 1 and 2 wide configurations using CN2-6 and 3-0 panels.  
 \* Clad Only  
 Please consult your local Marvin representative for more information.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Sliding Door

Construction Details



# Direct Glaze Door Transoms

1/0 Height (1/2 and 1/6 Heights See Below)

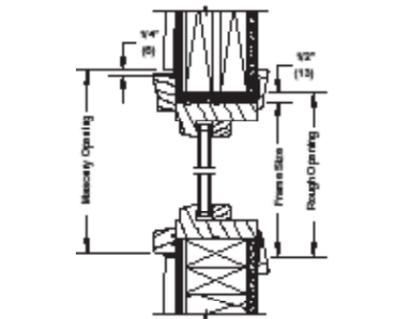
Clad MO (mm)	2-1 15/16 (659)	2-7 15/16 (811)	2-9 15/16 (862)	3-1 15/16 (964)	3-7 15/16 (1116)	5-1 1/8 (1553)
Wood MO (mm)	2-4 9/16 (726)	2-10 9/16 (878)	3-0 9/16 (929)	3-4 9/16 (1030)	3-10 9/16 (1183)	5-3 3/4 (1619)
RO (mm)	2-2 7/16 (672)	2-8 7/16 (824)	2-10 7/16 (875)	3-2 7/16 (976)	3-8 7/16 (1129)	5-1 5/8 (1565)
FS (mm)	2-1 7/16 (646)	2-7 7/16 (799)	2-9 7/16 (849)	3-1 7/16 (951)	3-7 7/16 (1103)	5-0 5/8 (1540)
DLO (mm)	1-9 1/2 (546)	2-3 1/2 (699)	2-5 1/2 (749)	2-9 1/2 (851)	3-3 1/2 (1003)	4-8 11/16 (1440)



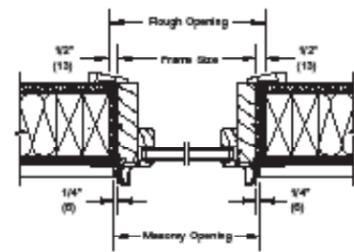
Clad MO (mm)	5-5 1/8 (1654)	6-1 1/8 (1857)	7-1 1/8 (2161)	8-1 1/8 (2467)
Wood MO (mm)	5-7 3/4 (1721)	6-3 3/4 (1924)	7-3 3/4 (2229)	8-3 3/4 (2534)
RO (mm)	5-5 5/8 (1667)	6-1 5/8 (1870)	7-1 5/8 (2175)	8-1 5/8 (2480)
FS (mm)	5-4 5/8 (1641)	6-0 5/8 (1845)	7-0 5/8 (2149)	8-0 5/8 (2454)
DLO (mm)	5-0 11/16 (1541)	5-8 11/16 (1745)	6-8 11/16 (2049)	7-8 11/16 (2354)



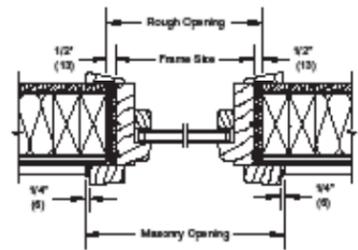
## Construction Details



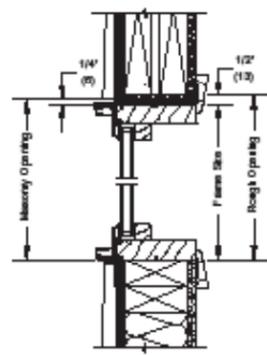
WOOD HEAD JAMB AND SILL - DIRECT GLAZE



CLAD JAMB - DIRECT GLAZE



WOOD JAMB - DIRECT GLAZE



CLAD HEAD JAMB AND SILL - DIRECT GLAZE

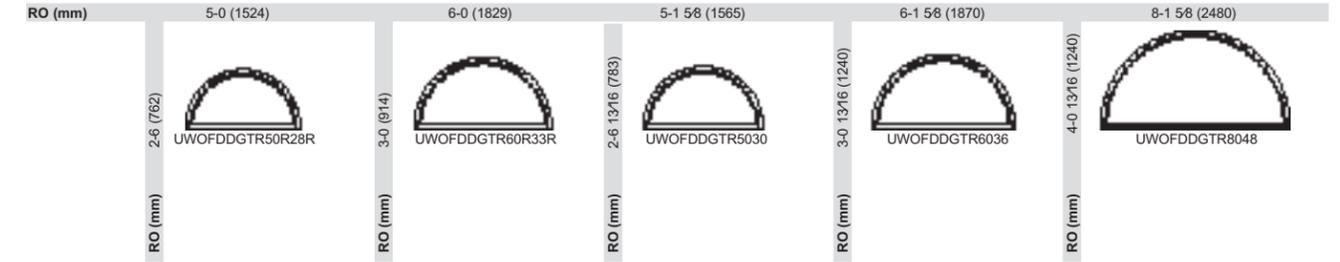
1-2 and 1-6 Heights:		
	1-2 Height	1-6 Height
Clad MO (mm)	1-2 1/4 (362)	1-6 1/4 (464)
Wood MO (mm)	1-4 1/4 (413)	1-8 1/4 (514)
RO (mm)	1-2 1/2 (368)	1-6 1/2 (470)
FS (mm)	1-2 (356)	1-6 (457)
DLO (mm)	0-10 1/16 (256)	1-2 1/16 (357)

Details and Elevations not to scale.  
 Please consult your local Marvin representative for masonry openings that include casings and subsills.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

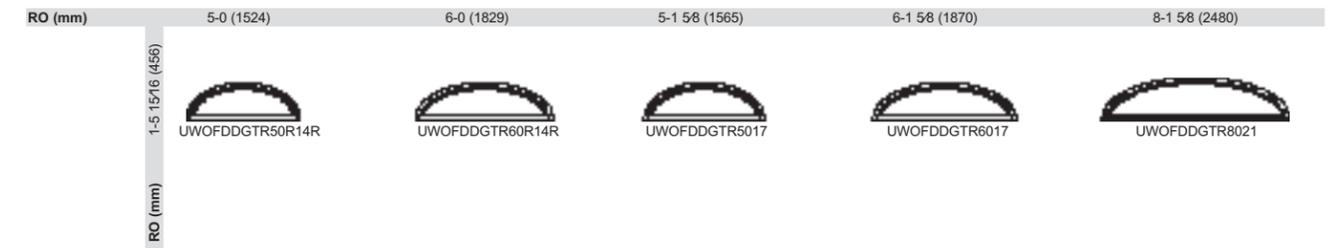
**ULTIMATE DIRECT GLAZE DOOR TRANSOMS: UDGTR**

# Wood Direct Glaze Round Top Door Transoms

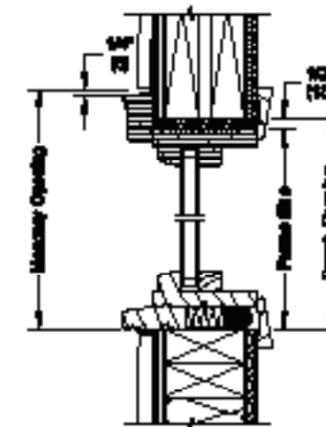
RT1 True Half Circle Standard Sizes - Direct Glaze



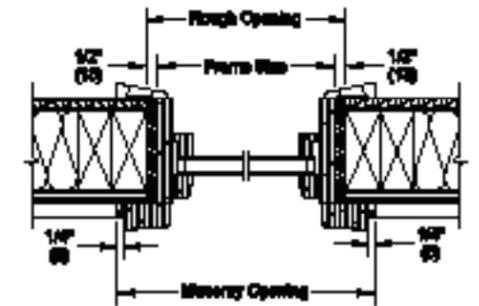
Rt29 Elliptical Standard Sizes - Direct Glaze



## Construction Details



HEAD JAMB AND SILL - DIRECT GLAZE



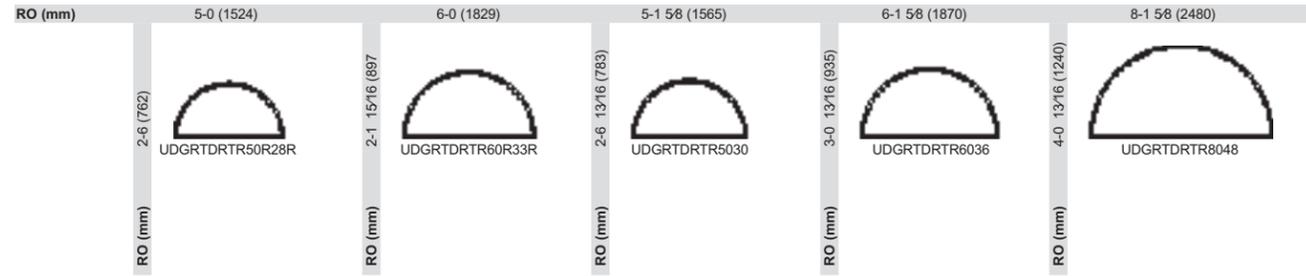
JAMB - DIRECT GLAZE

Details and Elevations not to scale.  
 R Retro Size  
 • If these units are not used as transoms, add 15/16" (24) to rough opening heights for subsill.  
 • Non-back rabbet casing shown. Back rabbet casing used on Wood 2 1/4" Inswing French Doors and Wood Commercial Doors.  
 Please consult your local Marvin representative for more information.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

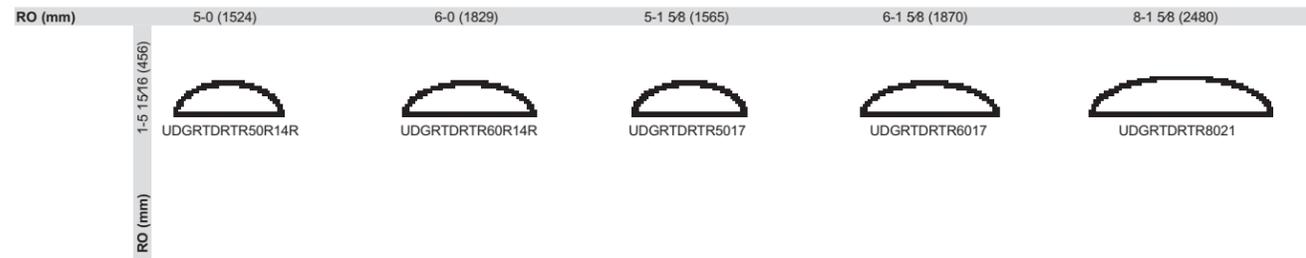
**ULTIMATE WOOD DIRECT GLAZE ROUND TOP DOOR TRANSOMS: UWOFDDGTR**

# Direct Glaze Round Top Door Transoms

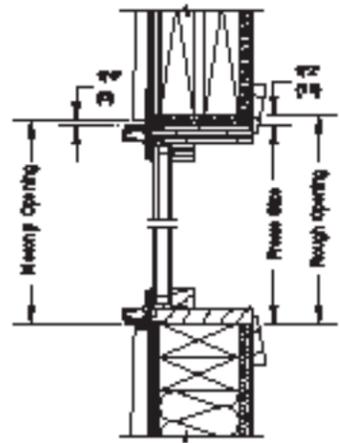
## RT1 True Half Circle Standard Sizes - Direct Glaze



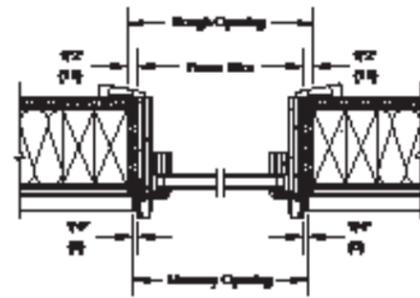
## Rt29 Elliptical Standard Sizes Direct - Glaze



## Construction Details



HEAD JAMB AND SILL - DIRECT GLAZE



JAMB - DIRECT GLAZE

ULTIMATE DIRECT GLAZE ROUND TOP DOOR TRANSOMS: UDGRTDRTR

# Wood / Clad Round Top Guide

## Wood Round Top Guide To Standard Round Tops And The Units They Fit Over

### ULTIMATE CASEMENT / AWNING SERIES

Unit Type	RT Call Number
1W20 CM	UWRT2010 CM
	UWQCIR2020 CM
1W24 CM/AWN	UWRT2412 CM
	UWQCIR2424 CM
	UWRT24__CM*
1W28 CM/AWN	UWRT2814 CM
	UWQCIR2828 CM
	UWRT28__CM*
1W32CM or 2W16 CM	UWRT3216 CM
	UWQCIR3232 CM
	UWRT32__CM*
1W36 CM/AWN	UWRT3618 CM
	UWQCIR3636 CM
	UWRT36__CM*
1W40 AWN, 2W20 CM or 1W40 CMP	UWRT4020 CM
	UWQCIR4040 CM
	UWRT4017 CM
	UWRT40__CM*
1W48 AWN, 2W24 CM or 1W48 CMP	UWRT4824 CM
	UWQCIR4848 CM
	UWRT4817 CM
	UWRT48__CM*
1W56 CMP or 2W28 CM	UWRT5628 CM
	UWRT5617 CM
	UWRT56__CM*
1W60 CMP or 3W20 CM	UWRT6026 CM
1W64 CMP or 2W32 CM	UWRT6432 CM
1W72 CMP or 2W36 CM or 3W24 CM	UWRT7236 CM
	UWRT7217 CM
	UWRT72__CM*
3W28 CM/AWN	UWRT8442 CM
	UWRT8417CM
2W48 AWN or 4W24 CM	UWRT9648 CM
24-60-24 TPU	UWRT10854 CM
5W24 CM/AWN	UWRT12060 CM

### ULTIMATE DOUBLE HUNG SERIES

Unit Type	RT Call Number
1W20 DH	UWRT25__DH*
1W24 DH	UWRT2914 DH
	UWRT29__DH*
1W26 DH	UWRT3115 DH
	UWRT31__DH*
1W28 DH	UWRT3316 DH
	UWRT33__DH*
1W30 DH	UWRT3517 DH
	UWRT35__DH*
1W32 DH	UWRT3718 DH
	UWRT37__DH*
1W36 DH	UWRT4120 DH
	UWRT41__DH*
1W40 DH	UWRT4522 DH
	UWRT 45__DH*
2W20 DH	UWRT5025 DH
	UWRT5118 DH
	UWRT51__DH*
2W24 DH	UWRT5828 DH
	UWRT5918 DH
	UWRT59__DH*
2W28 DH	UWRT6632 DH
	UWRT6718 DH
	UWRT67__DH*
2W32 DH	UWRT7437 DH
	UWRT7518 DH
	UWRT75__DH*

### DOOR SERIES

Unit Type	RT Call Number
5066	UWDR RT 5028
FDR/Uit. FD, SPD, SFD	UWDR RT 5014
6066	UWDR RT 6033
FDR/Uit. FD, SPD, SFD	UWDR RT 6014
5068/70/80, SPD	UWDR RT 5030
FRD/Uit. FD, SFD	UWDR RT 5017
6068/70/80, SPD	UWDR RT 6036
FDR/Uit. FD, SFD	UWDR RT 6017
8068/70/80	UWDR RT 8048
FDR/Uit. SFD	UWDR RT 8021

## Clad Round Top Guide To Standard Round Tops And The Units They Fit Over

### ULTIMATE CASEMENT / AWNING SERIES

Unit Type	RT Call Number
1W20 CM	UCRT2010 CM
	UCQCIR2020 CM
1W24 CM/AWN	UCRT2412 CM
	UCQCIR2424 CM
	UCRT24__CM*
1W28 CM/AWN	UCRT2814 CM
	UCQCIR2828 CM
	UCRT28__CM*
1W32CM or 2W16 CM	UCRT3216 CM
	UCQCIR3232 CM
	UCRT32__CM*
1W36 CM/AWN	UCRT3618 CM
	UCQCIR3636 CM
	UCRT36__CM*
1W40 AWN, 2W20 CM or 1W40 CMP	UCRT4020 CM
	UCQCIR4040 CM
	UCRT4017 CM
	UCRT40__CM*
1W48 AWN, 2W24 CM or 1W48 CMP	UCRT4824 CM
	UCQCIR4848 CM
	UCRT4817 CM
	UCRT48__CM*
1W56 CMP or 2W28 CM	UCRT5628 CM
	UCRT5617 CM
	UCRT56__CM*
1W60 CMP or 3W20 CM	UCRT6026 CM
1W64 CMP or 2W32 CM	UCRT6432 CM
1W72 CMP or 2W36 CM or 3W24 CM	UCRT7236 CM
	UCRT7217 CM
	UCRT72__CM*
3W28 CM/AWN	UCRT8442 CM
	UCRT8417CM
2W48 AWN or 4W24 CM	UCRT9648 CM
24-60-24 TPU	UCRT10854 CM
5W24 CM/AWN	UCRT12060 CM

### ULTIMATE DOUBLE HUNG SERIES

Unit Type	RT Call Number
1W20 DH	UCRT25__DH*
1W24 DH	UCRT2914 DH
	UCRT29__DH*
1W26 DH	UCRT3115 DH
	UCRT31__DH*
1W28 DH	UCRT3316 DH
	UCRT33__DH*
1W30 DH	UCRT3517 DH
	UCRT35__DH*
1W32 DH	UCRT3718 DH
	UCRT37__DH*
1W36 DH	UCRT4120 DH
	UCRT41__DH*
1W40 DH	UCRT4522 DH
	UCRT 45__DH*
2W20 DH	UCRT5025 DH
	UCRT5118 DH
	UCRT51__DH*
2W24 DH	UCRT5828 DH
	UCRT5918 DH
	UCRT59__DH*
2W28 DH	UCRT6632 DH
	UCRT6718 DH
	UCRT67__DH*
2W32 DH	UCRT7437 DH
	UCRT7518 DH
	UCRT75__DH*

### DOOR SERIES

Unit Type	RT Call Number
5066, SPD	UCDR RT 5028
FDR/Uit. FD, SFD	UCDR RT 5014
6066 SPD	UCDR RT 6033
FDR/Uit. FD, SFD	UCDR RT 6014
5068/70/80, SPD	UCDR RT 5030
FRD/Uit. FD, SFD	UCDR RT 5017
6068/70/80, SPD	UCDR RT 6036
FRD/Uit. FD, SFD	UCDR RT 6017
8068/70/80	UCDR RT 8048
FDR/Uit. SFD	UCDR RT 8021

Details and Elevations not to scale.

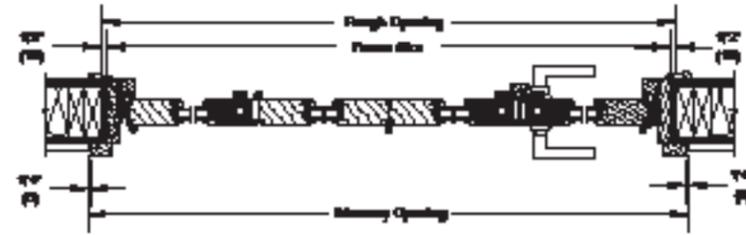
\* The underscore indicates that a range of heights are available for eyebrow above springline units. For example 24\_\_ means 24 wide and a range of heights.

Please consult your local Marvin representative for more information.

For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Wood Bi-Fold Door

Wood Construction Details - Performance, Low Profile, and Floor Channel Sill



JAMBS  
FOUR PANEL - 3L1R



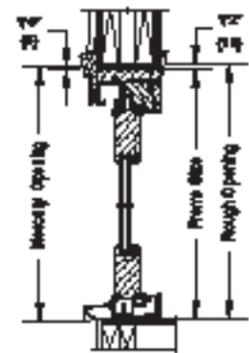
JAMBS  
FOUR PANEL - 4L\*



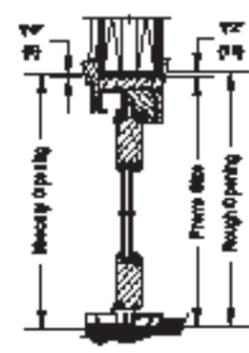
JAMBS  
FOUR PANEL - 2L2R\*

\* Not accessible from exterior.

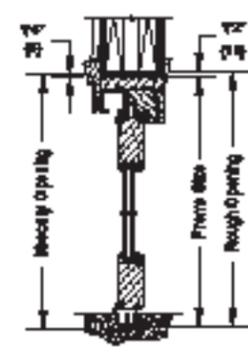
Construction Details - Performance, Low Profile, and Floor Channel Sills



HEAD JAMB AND SILL  
SHOWN WITH PERFORMANCE SILL



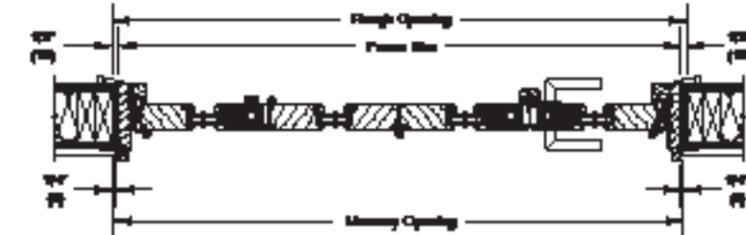
HEAD JAMB AND SILL  
SHOWN WITH LOW PROFILE SILL



HEAD JAMB AND SILL  
SHOWN WITH FLOOR CHANNEL SILL

# Bi-Fold Door

Clad Construction Details - Performance, Low Profile, and Floor Channel Sill



JAMBS  
FOUR PANEL - 3L1R



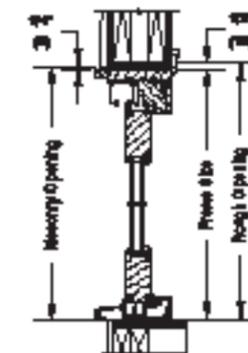
JAMBS  
FOUR PANEL - 4L\*



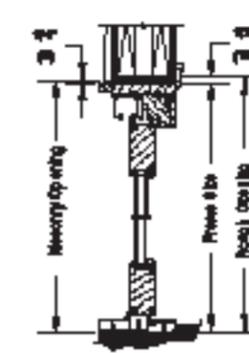
JAMBS  
FOUR PANEL - 2L2R\*

\* Not accessible from exterior.

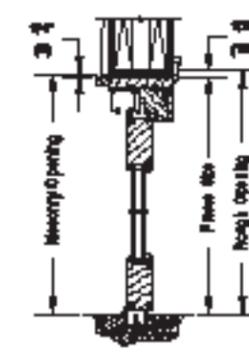
Construction Details - Performance, Low Profile, and Floor Channel Sills



HEAD JAMB AND SILL  
SHOWN WITH PERFORMANCE SILL



HEAD JAMB AND SILL  
SHOWN WITH LOW PROFILE SILL



HEAD JAMB AND SILL  
SHOWN WITH FLOOR CHANNEL SILL

Details and Elevations not to scale.

- Configurations available from 1 to 16 operating panels
- Operating panel width: minimum 29 1/16"; maximum 41 1/16"
- Rough opening minimum size: 34" x 51 1/2"
- Rough opening maximum size: 665 1/4" x 114 3/4"

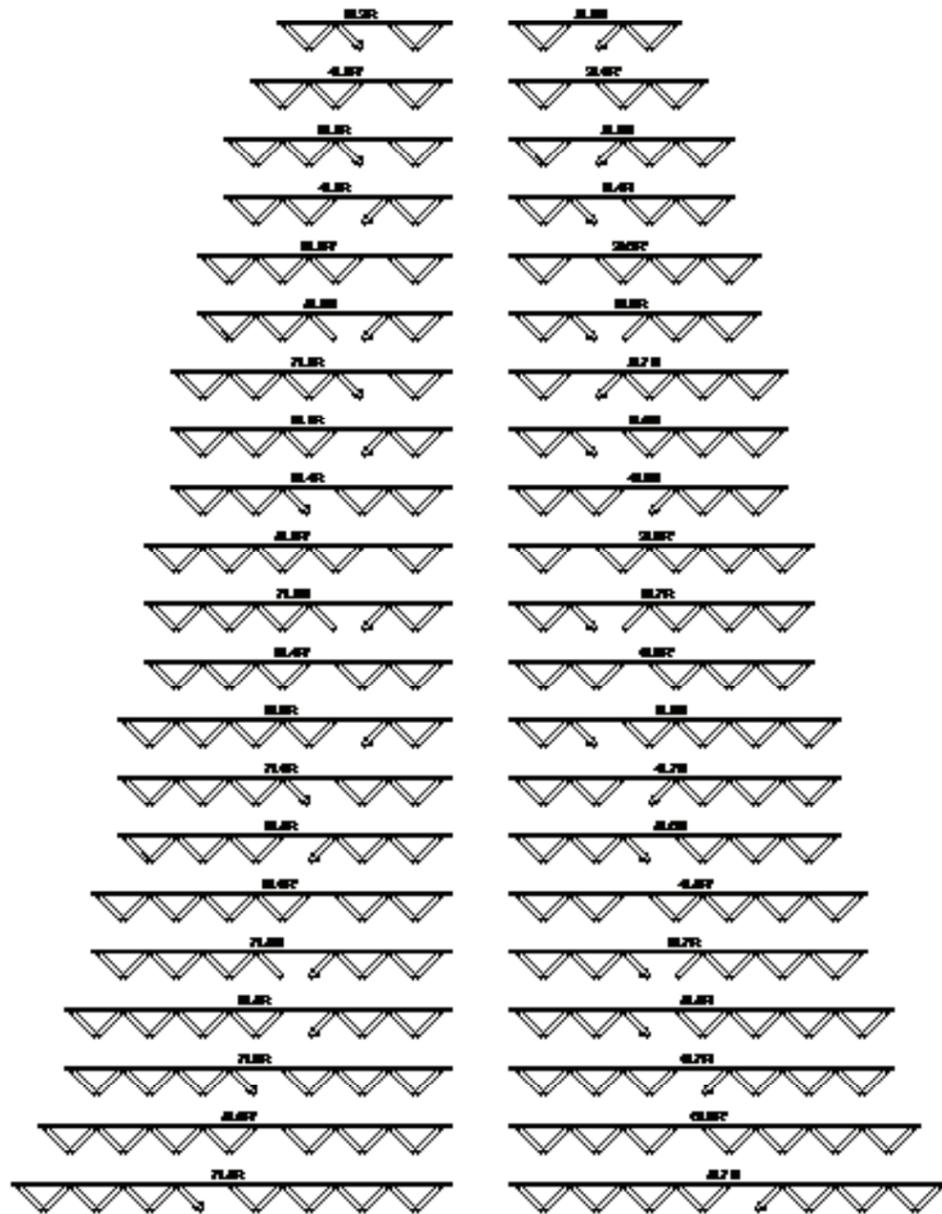
Please consult your local Marvin representative for more information.  
For further details and drawings visit the "Technical Specifications" section at Marvin.com.

ULTIMATE WOOD BI-FOLD DOOR - UWBFLO

The Ultimate Lift and Slide product is not certified for Air, Water, and Structural performance.

## Wood Bi-Fold Door / Bi-Fold Door

Wood and Clad Panel Configurations - Bi Parting (Un-Equal) Units

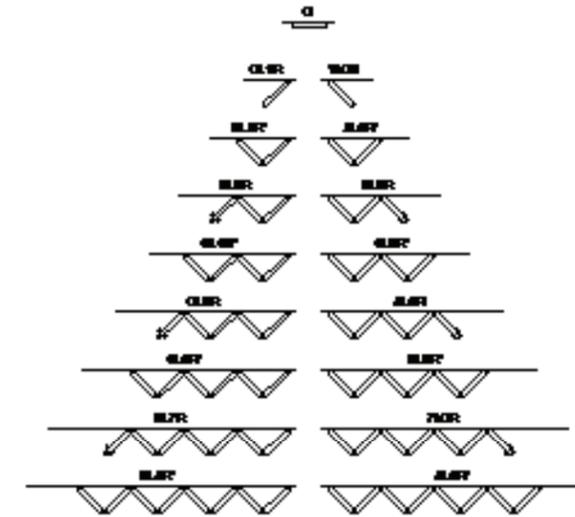


The Ultimate Wood Bi-Fold product is not certified for Air, Water, and Structural performance. Details and Elevations not to scale.  
 \* Not accessible from exterior.  
 Please consult your local Marvin representative for more information.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

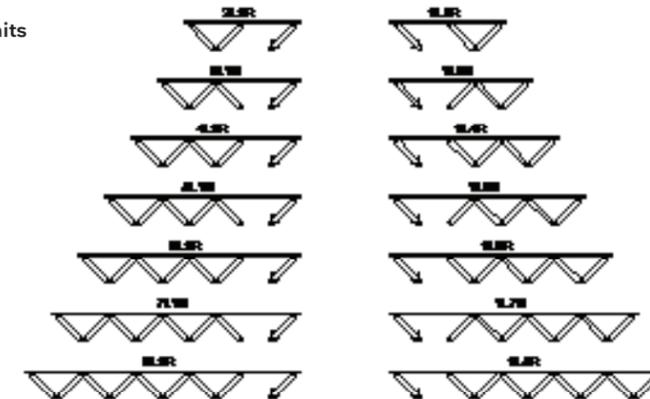
## Wood Bi-Fold Door / Bi-Fold Door

Wood and Clad Panel Configurations - Stationary Unit

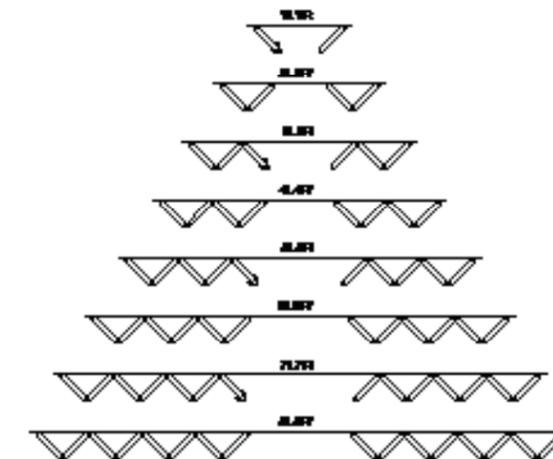
Uni-Directional Left or Right Units



Uni-Directional Left Or Right Units with Operating Panels



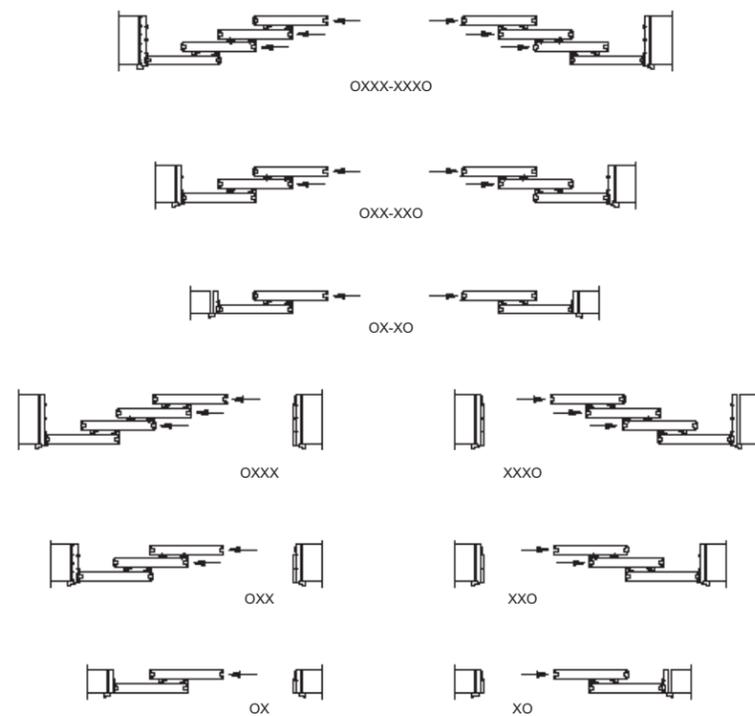
Bi Parting (Equal) Units



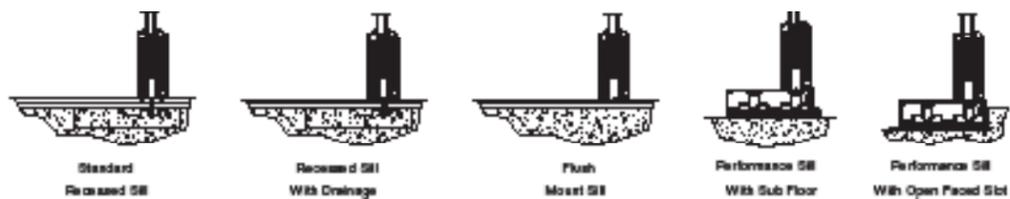
# Wood Lift and Slide / Lift and Slide Door

Promoted Sizes and Configurations - Stacked Units

STACKED UNITS PROMOTED SIZES AND CONFIGURATIONS BASED ON: 3/0, 4/0, 5/0, 6/0 PANEL WIDTHS 7/0, 8/0, 10/0 PANEL HEIGHTS					
2W OX / XO	3W XXO / OXX	4W OXXX / XXXO	4W OX-XO L OR R	6W OXX-XXO L OR R	8W OXXX-XXXO L
6070	9070	12070	12070	18070	24070
8070	12070	16070	16070	24070	32070
10070	15070	20070	20070	30070	40070
12070	18070	24070	24070	36070	48070
6080	9080	12080	12080	18080	24080
8080	12080	16080	16080	24080	32080
10080	15080	20080	20080	30080	40080
12080	18080	24080	24080	36080	48080
60100	90100	120100	120100	180100	240100
80100	120100	160100	160100	240100	320100
100100	150100	200100	200100	300100	400100
120100	180100	240100	240100	360100	480100



Optional Sills - Shown In Clad Also Available In Wood

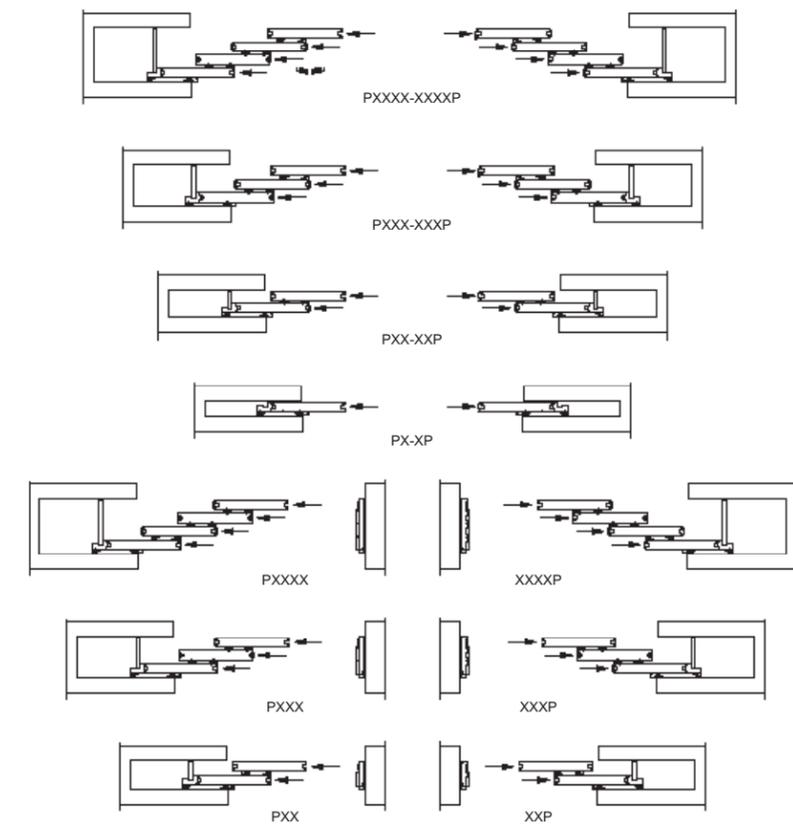


The Ultimate and Ultimate Wood Lift and Slide products are not certified for Air, Water, and Structural performance.

# Wood Lift and Slide / Lift and Slide Door

Promoted Sizes and Configurations - Pocket Units

POCKET UNITS PROMOTED SIZES AND CONFIGURATIONS BASED ON: 3/0, 4/0, 5/0, 6/0 PANEL WIDTHS 7/0, 8/0, 10/0 PANEL HEIGHTS						
1 POCKET	1 POCKET	1 POCKET	2 POCKETS	2 POCKETS	2 POCKETS	2 POCKETS
2 PANELS	3 PANELS	4 PANELS	2 PANELS	4 PANELS	6 PANELS	8 PANELS
(PXX / XXP)	(PXXX / XXXP)	(PXXXX / XXXXP)	(PX-XP)	(PXX-XXP)	(PXXX-XXXP)	(PXXXX-XXXXP)
6070	9070	12070	6070	12070	18070	24070
8070	12070	16070	8070	16070	24070	32070
10070	15070	20070	10070	20070	30070	40070
12070	18070	24070	12070	24070	36070	48070
6080	9080	12080	6080	12080	18080	24080
8080	12080	16080	8080	16080	24080	32080
10080	15080	20080	10080	20080	30080	40080
12080	18080	24080	12080	24080	36080	48080
60100	90100	120100	60100	120100	180100	240100
80100	120100	160100	80100	160100	240100	320100
100100	150100	200100	100100	200100	300100	400100
120100	180100	240100	120100	240100	360100	480100

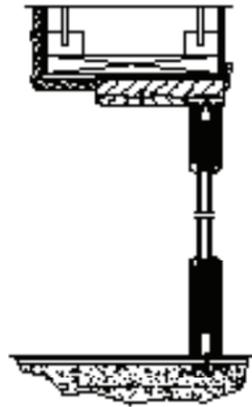


Details and Elevations not to scale. Please consult your local Marvin representative for more information. For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

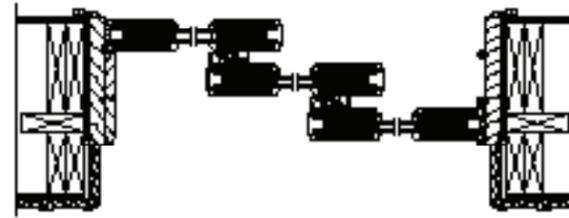
The Ultimate and Ultimate Wood Lift and Slide products are not certified for Air, Water, and Structural performance.

## Wood Lift and Slide Door

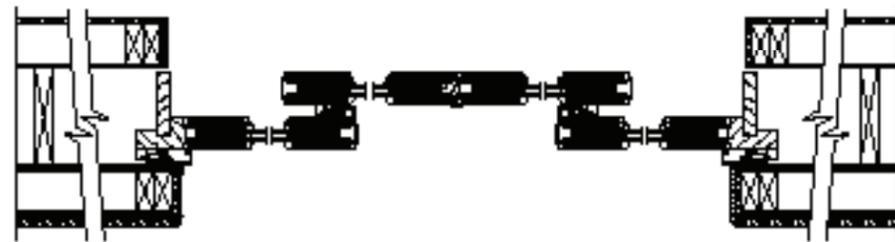
Construction Details - Traditional Panels (Tall Bottom Rail)



HEAD JAMB AND SILL - STACKED  
STANDARD RECESSED SILL  
XXO TRADITIONAL PANELS - UNI-DIRECTIONAL



JAMBS - STACKED  
XXO TRADITIONAL PANELS - UNI-DIRECTIONAL



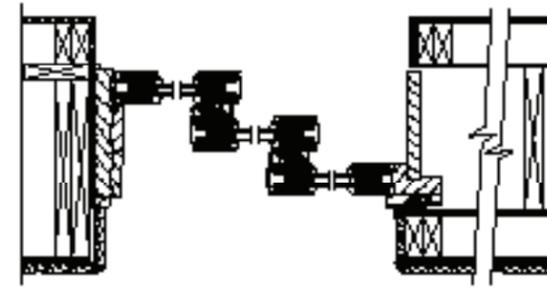
JAMBS - POCKET  
PXX-XXP TRADITIONAL PANELS - BI PARTING

The Wood Lift and Slide product is not certified for Air, Water, and Structural performance.

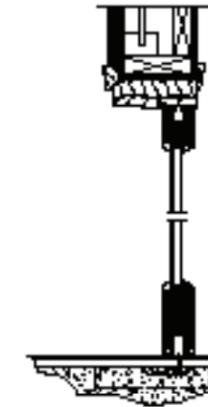
Details and Elevations not to scale.  
Please consult your local Marvin representative for more information.  
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

## Wood Lift and Slide Door

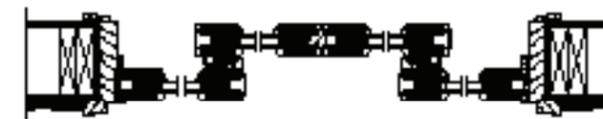
Construction Details - Contemporary Panels (Short Bottom Rail)



JAMBS - POCKET  
XXXP CONTEMPORARY PANELS - UNI-DIRECTIONAL



HEAD JAMB AND SILL - STACKED  
STANDARD RECESSED SILL  
OX-XO CONTEMPORARY PANELS - BI PARTING



JAMBS - STACKED  
OX-XO CONTEMPORARY PANELS - BI PARTING

Details and Elevations not to scale.  
Please consult your local Marvin representative for more information.  
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

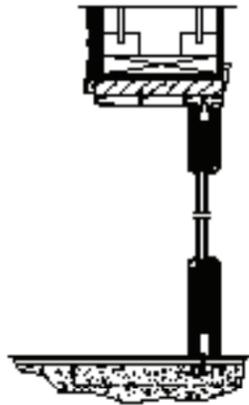
The Ultimate Wood Lift and Slide product is not certified for Air, Water, and Structural performance.

# Lift and Slide Door

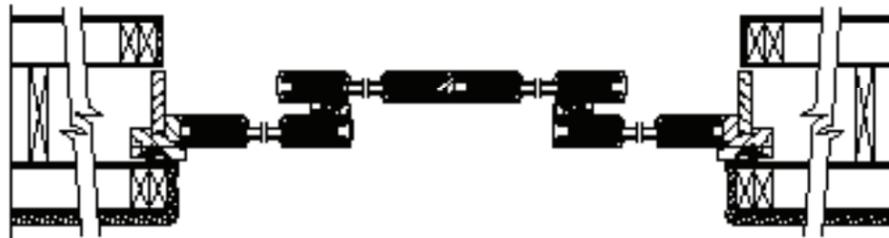
Construction Details - Traditional Panels (Tall Bottom Rail)



JAMBS - STACKED  
XXO TRADITIONAL PANELS - UNI-DIRECTIONAL



HEAD JAMB AND SILL - STACKED  
STANDARD RECESSED SILL  
XXO TRADITIONAL PANELS - UNI-DIRECTIONAL

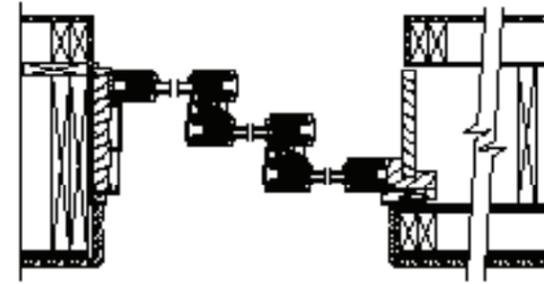


JAMBS - POCKET  
PXX-XXP TRADITIONAL PANELS - BI PARTING

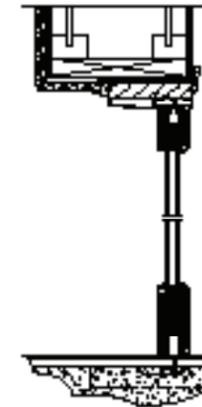
The Ultimate Lift and Slide product is not certified for Air, Water, and Structural performance.

# Lift and Slide Door

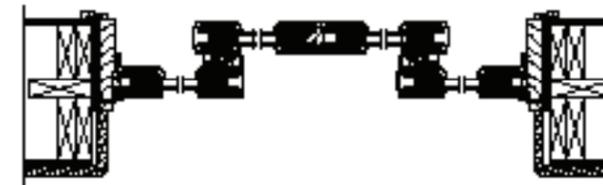
Construction Details - Contemporary Panels (Short Bottom Rail)



JAMBS POCKET  
XXXP CONTEMPORARY PANELS - UNI-DIRECTIONAL



HEAD JAMB AND SILL - STACKED  
STANDARD RECESSED SILL  
OX-XO CONTEMPORARY PANELS - BI PARTING



JAMBS - STACKED  
OX-XO CONTEMPORARY PANELS - BI PARTING

Details and Elevations not to scale. Please consult your local Marvin representative for more information. For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

The Ultimate Lift and Slide product is not certified for Air, Water, and Structural performance.

# Multi-Slide Door

## Standard Sizes and Configurations - Uni-Directional Stacked

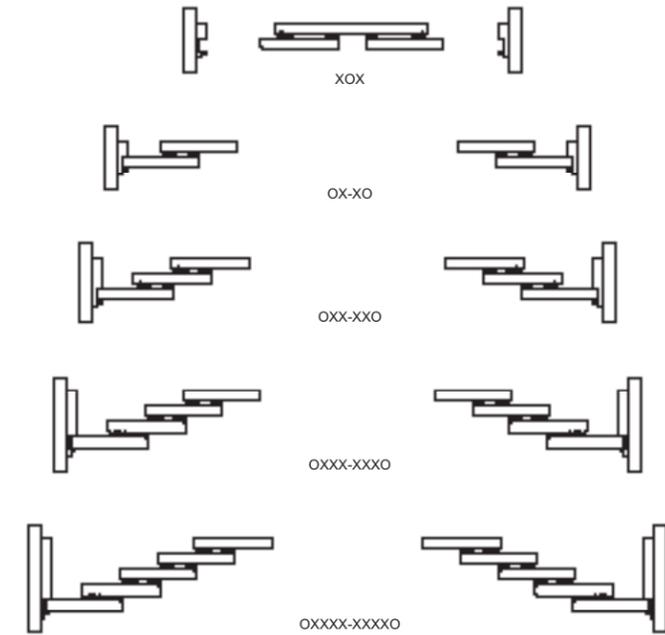
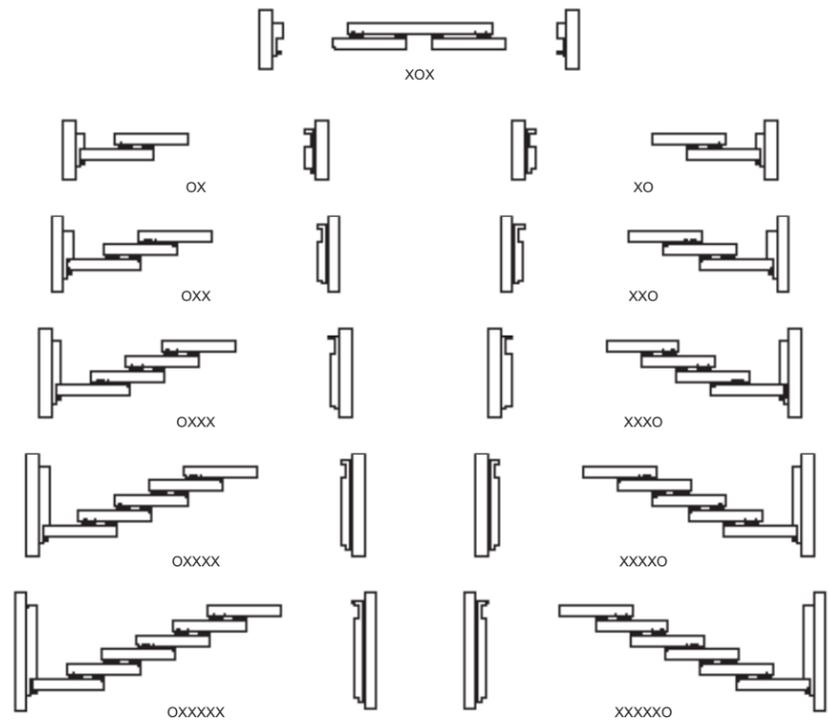
2W OX/XO	3W OXX/XXO	4W OXXX/XXXO	5W OXXXX/XXXXXO	6W OXXXXX/XXXXXXO
6070	9070	12070	15070	18070
8070	12070	16070	20070	24070
10070	15070	20070	25070	30070
12070	18070	24070	30070	36070
6080	9080	12080	15080	18080
8080	12080	16080	20080	24080
10080	15080	20080	25080	30080
12080	18080	24080	30080	36080
6090	9090	12090	15090	18090
8090	12090	16090	20090	24090
10090	15090	20090	25090	30090
12090	18090	24090	30090	36090
60100	90100	120100	150100	180100
80100	120100	160100	200100	240100
100100	150100	200100	250100	300100
120100	180100	240100	300100	360100
60120	90120	120120	150120	180120
80120	120120	160120	200120	240120
100120	150120	200120	250120	300120
120120	180120	240120	300120	360120

# Multi-Slide Door

## Standard Sizes and Configurations - Bi Parting Stacked

2W OX-XO	3W OXX-XXO	4W OXXX-XXXO	5W OXXXX-XXXXO	3W XOX
12070	18070	24070	30070	12070
16070	24070	32070	40070	16070
20070	30070	40070	50070	
24070	36070	48070	60070	
12080	18080	24080	30080	12080
16080	24080	32080	40080	15080
20080	30080	40080	50080	
24080	36080	48080	60080	
12090	18090	24090	30090	12090
16090	24090	32090	40090	120100
20090	30090	40090	50090	
24090	36090	48090	60090	
120100	180100	240100	300100	120100
160100	240100	320100	400100	
200100	300100	400100	500100	
240100	360100	480100	600100	
120120	180120	240120	300120	120120
160120	240120	320120	400120	
200120	300120	400120	500120	
240120	360120	480120	600120	

### Optional Sills - Stacked And Pocket Units

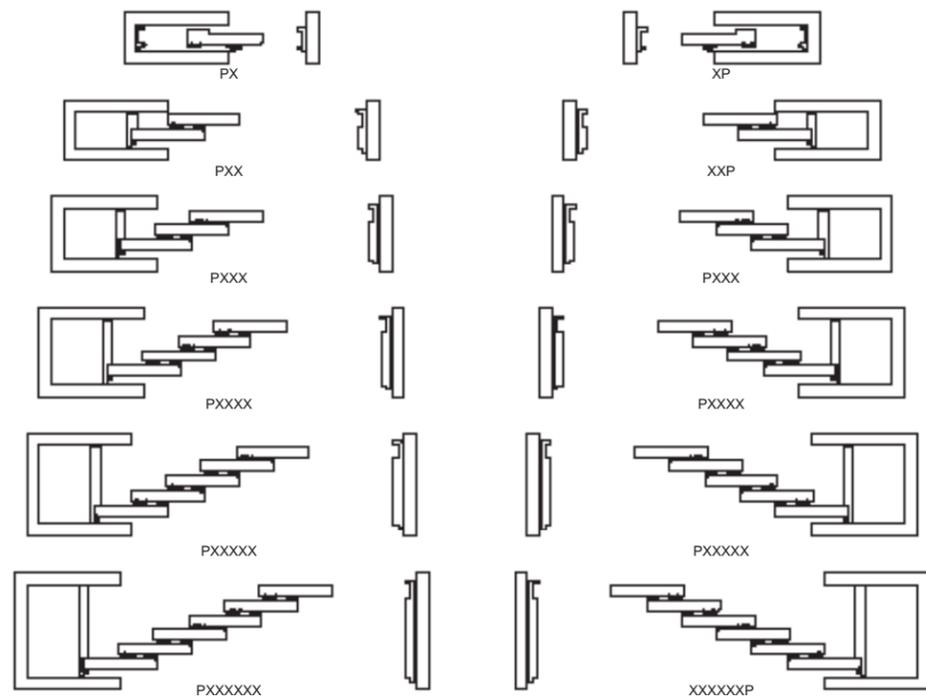


Details and Elevations not to scale.  
Please consult your local Marvin representative for more information.  
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Multi-Slide Door

## Standard Sizes and Configurations - Uni-Directional Pocket

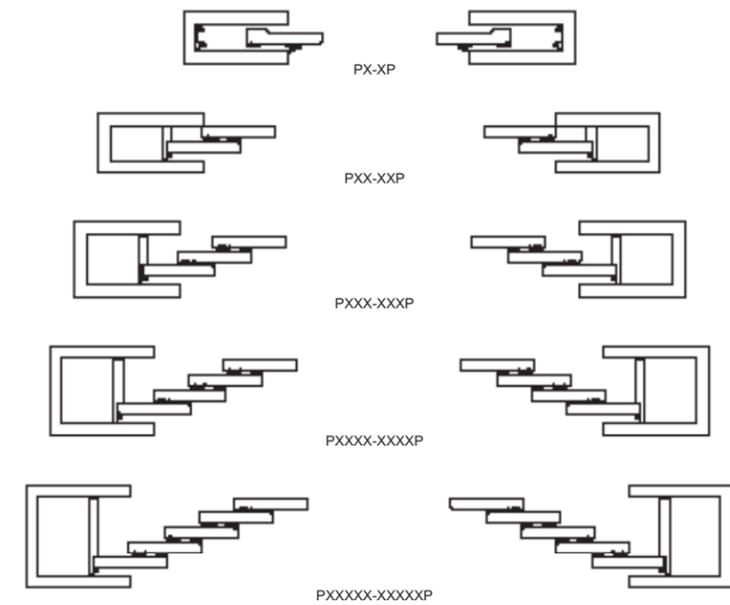
1 PANEL	2 PANEL	3 PANEL	4 PANEL	5 PANEL	6 PANEL
PX/XP	PXX/XXP	PXXX/PXXX	PXXXX/XXXXP	PXXXXX/XXXXXP	PXXXXXX/XXXXXXP
3070	6070	9070	12070	15070	18070
4070	8070	12070	16070	20070	24070
5070	10070	15070	20070	25070	30070
6070	12070	18070	24070	30070	36070
3080	6080	9080	12080	15080	18080
4080	8080	12080	16080	20080	24080
5080	10080	15080	20080	25080	30080
6080	12080	18080	24080	30080	36080
3090	6090	9090	12090	15090	18090
4090	8090	12090	16090	20090	24090
5090	10090	15090	20090	25090	30090
6090	12090	18090	24090	30090	36090
30100	60100	90100	120100	150100	180100
40100	80100	120100	160100	200100	240100
50100	100100	150100	200100	250100	300100
60100	120100	180100	240100	300100	360100
30120	60120	90120	120120	150120	180120
40120	80120	120120	160120	200120	240120
50120	100120	150120	200120	250120	300120
60120	120120	180120	240120	300120	360120



# Multi-Slide Door

## Standard Sizes and Configurations - Bi Parting Pocket

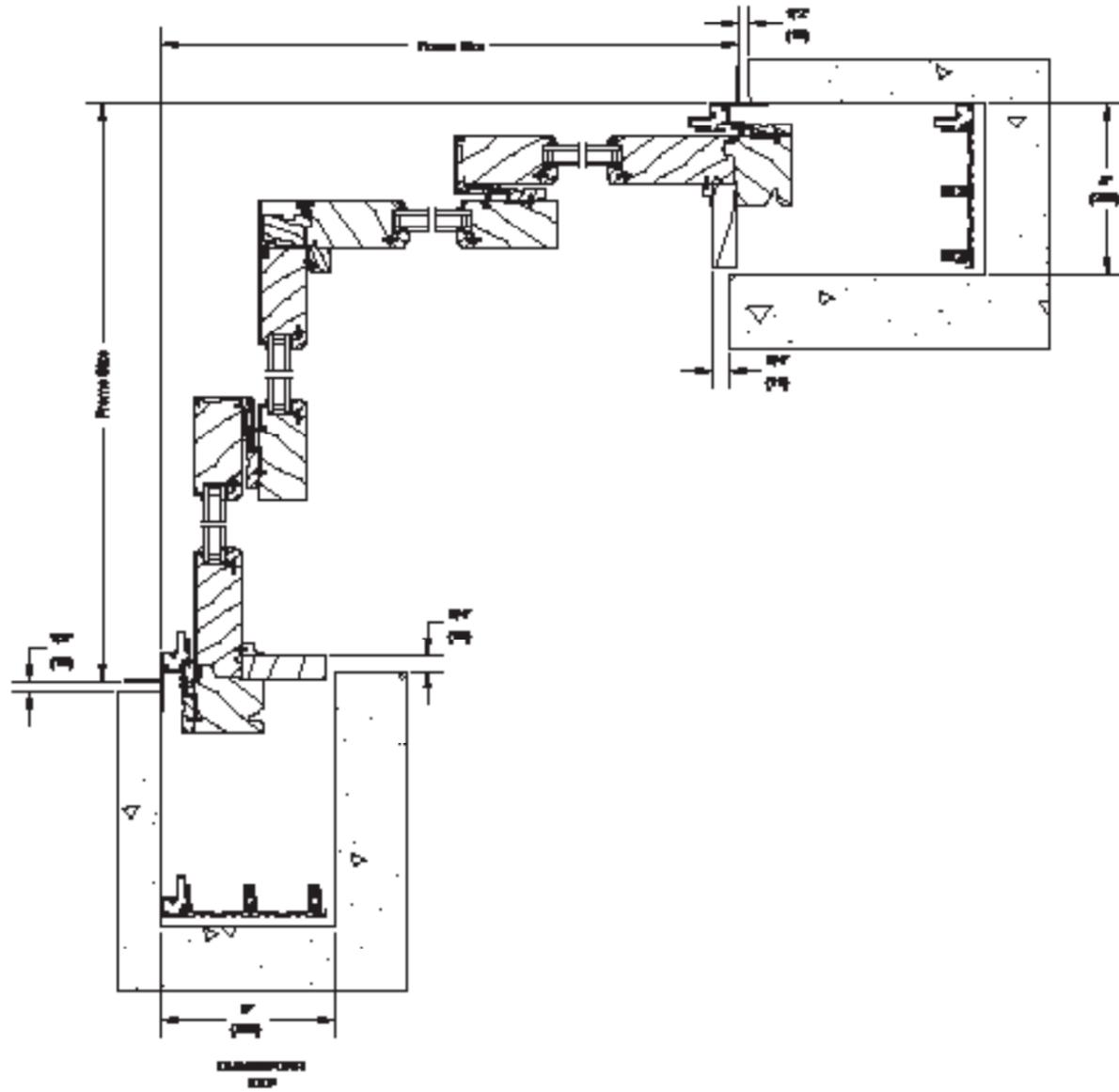
2-PANEL	4-PANEL	6-PANEL	8-PANEL	10-PANEL
PX-XP	PXX-XXP	PXXX-XXXP	PXXXX-XXXXP	PXXXXX-XXXXXP
6070	12070	18070	24070	30070
8070	16070	24070	32070	40070
10070	20070	30070	40070	50070
12070	24070	36070	48070	60070
6080	12080	18080	24080	30080
8080	16080	24080	32080	40080
10080	20080	30080	40080	50080
12080	24080	36080	48080	60080
6090	12090	18090	24090	30090
8090	16090	24090	32090	40090
10090	20090	30090	40090	50090
12090	24090	36090	48090	60090
60100	120100	180100	240100	300100
80100	160100	240100	320100	400100
100100	200100	300100	400100	500100
120100	240100	360100	480100	600100
60120	120120	180120	240120	300120
80120	160120	240120	320120	400120
100120	200120	300120	400120	500120
120120	240120	360120	480120	600120



Details and Elevations not to scale.  
 Please consult your local Marvin representative for more information.  
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

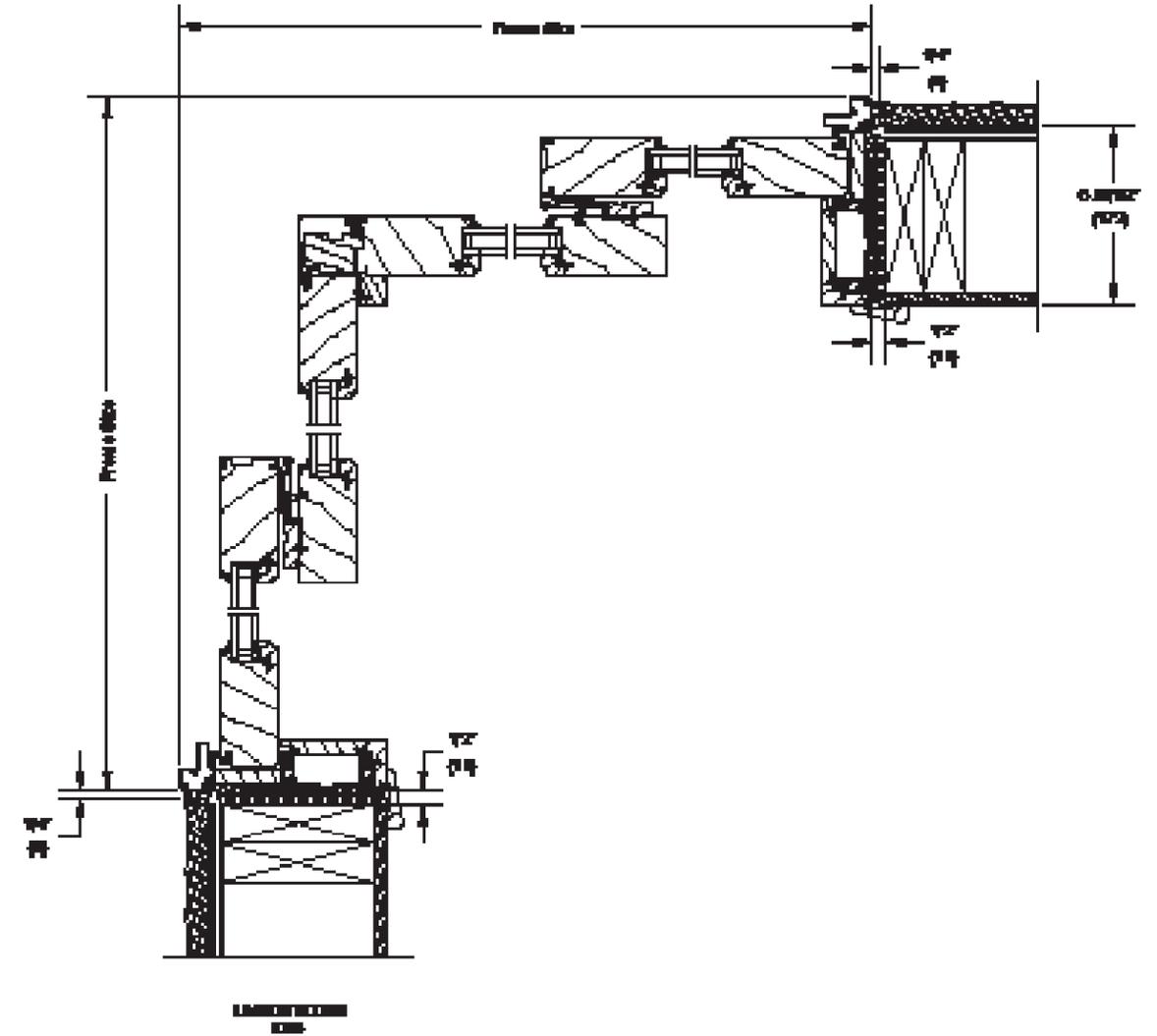
## Multi-Slide Door Pocket Corner

Construction Details



## Multi-Slide Door Stacked Corner

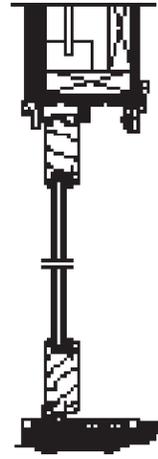
Construction Details



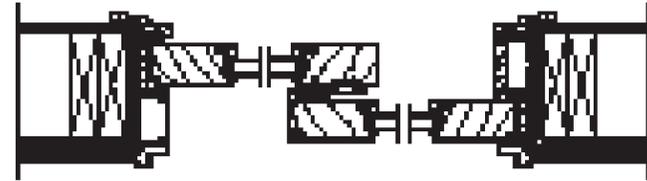
Details and Elevations not to scale.  
Please consult your local Marvin representative for more information.  
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

# Multi-Slide Door

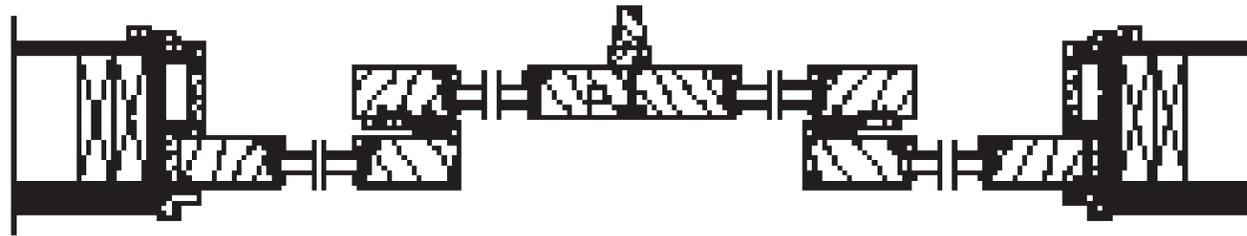
Construction Details - Uni-Directional and Bi Parting Stacked



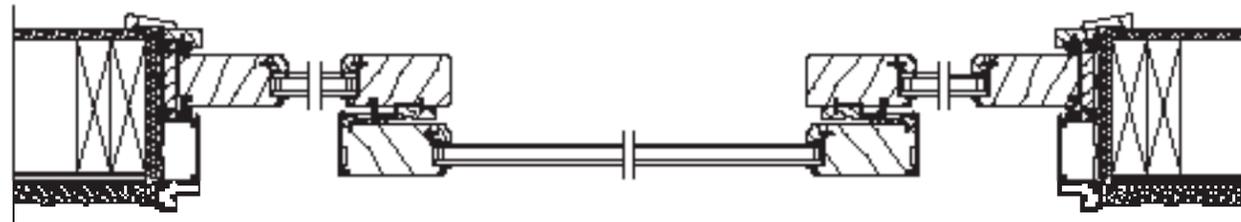
HEAD JAMB AND SILL - WITH FLUSH SILL



JAMBS - XO - UNI-DIRECTIONAL STACKED



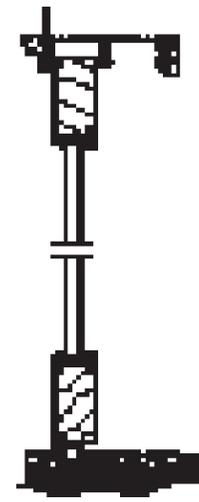
JAMBS - OX-XO - BI PARTING STACKED



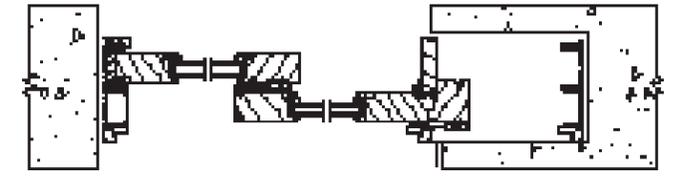
JAMBS - XO-X - BI PARTING STACKED

# Multi-Slide Door

Construction Details - Uni-Directional and Bi Parting Stacked



HEAD JAMB AND SILL - WITH FLUSH SILL



JAMBS - XO - UNI-DIRECTIONAL POCKETS



JAMBS - OX-XO - BI PARTING POCKET

Details and Elevations not to scale.  
Please consult your local Marvin representative for more information.  
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

