

ULTIMATE

MARVIN SIGNATURE® COLLECTION

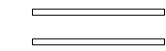


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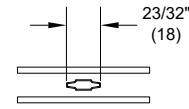
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PRODUCT OPTIONS

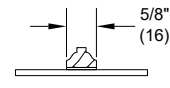
GLAZING PROFILES



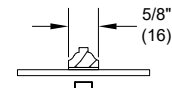
Insulating Glass



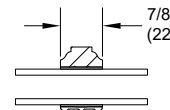
Aluminum 23/32"
Contour GBG



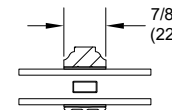
5/8" SDL



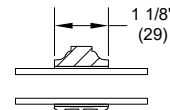
5/8" SDL
W/Spacer



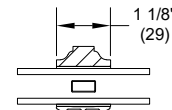
7/8" SDL



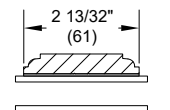
7/8" SDL
W/Spacer Bar



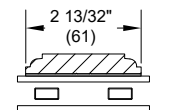
1 1/8" SDL



1 1/8" SDL
W/Spacer Bar



2 13/32" SDL

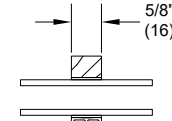


2 13/32" SDL
W/Two Spacer Bars

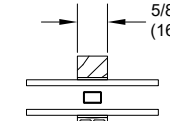
PRODUCT OPTIONS

GLAZING PROFILES

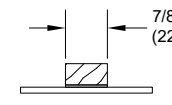
SQUARE STICKING



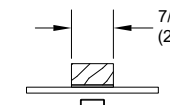
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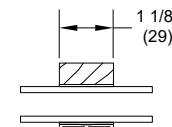
5/8" SDL
W/Spacer



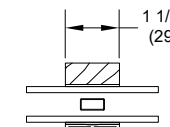
7/8" SDL



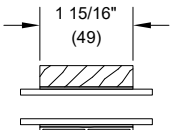
7/8" SDL
W/Spacer Bar



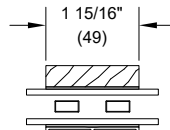
1 1/8" SDL



1 1/8" SDL
W/Spacer Bar



1 15/16" SDL

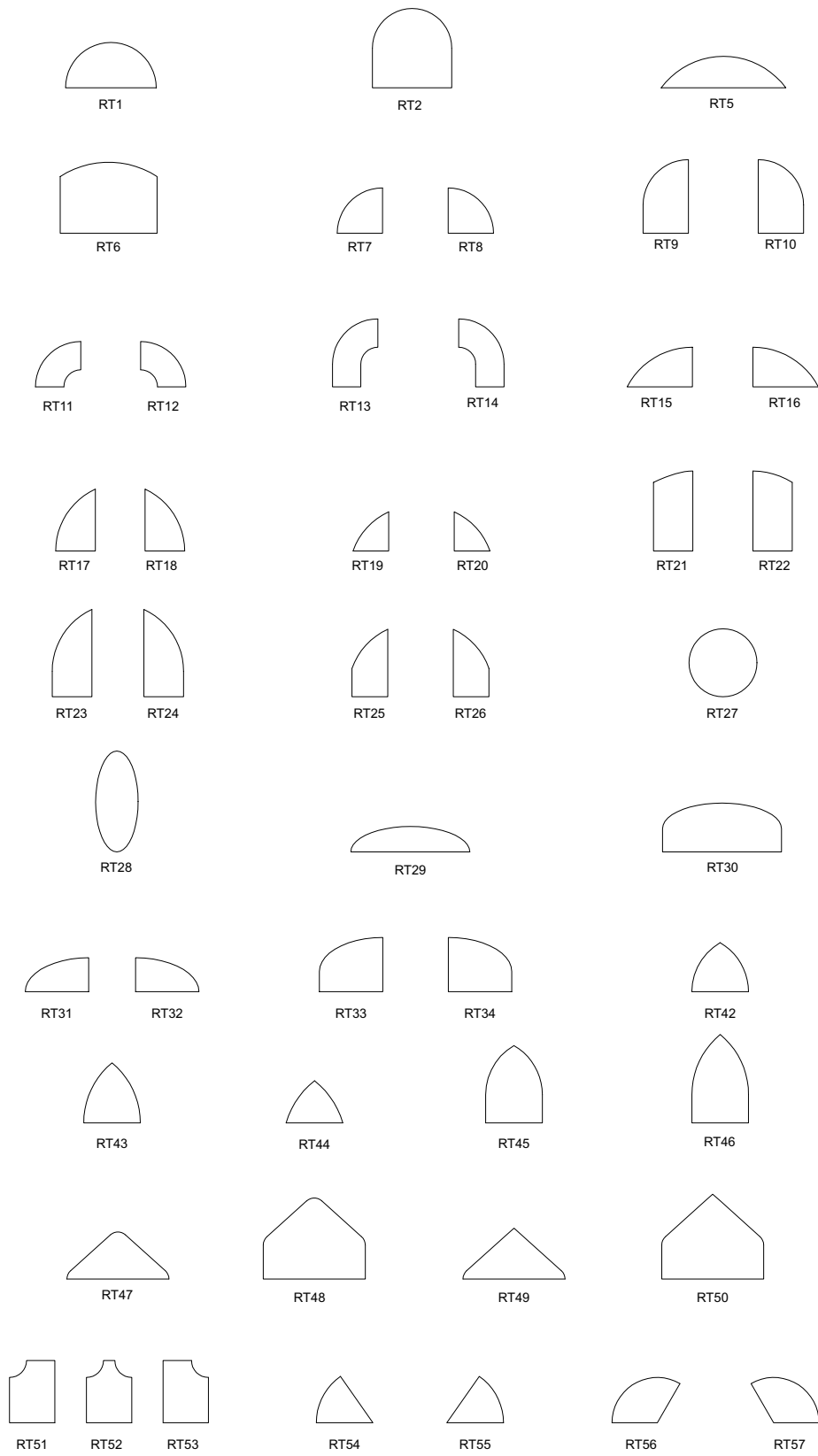


1 15/16" SDL
W/Two Spacer Bars

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

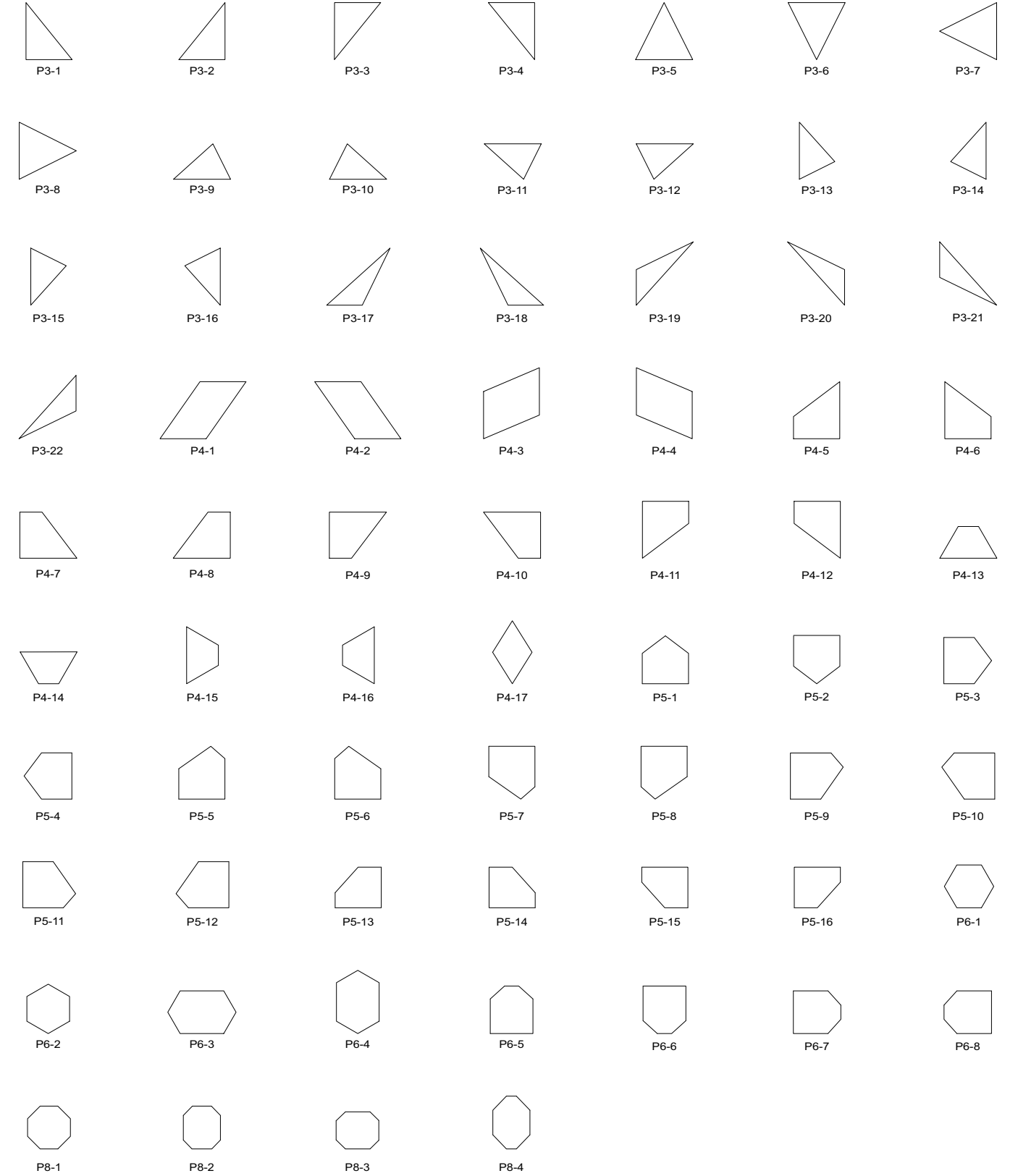
PRODUCT OPTIONS

QUICK REFERENCE TO ROUND TOP SHAPES



PRODUCT OPTIONS

QUICK REFERENCE TO POLYGON SHAPES



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

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 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.

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

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

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

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.

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.

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 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.

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.

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)
2-10 9/16 (878) 2-9 1/2 (851) 2-9 (838)									
3-2 9/16 (980) 3-1 1/2 (953) 3-1 (940)									
3-6 9/16 (1081) 3-5 1/2 (1054) 3-5 (1041)									
3-10 9/16 (1183) 3-9 1/2 (1156) 3-9 (1143)									
4-2 9/16 (1284) 4-1 1/2 (1257) 4-1 (1244)									
4-6 9/16 (1386) 4-5 1/2 (1359) 4-5 (1346)									
4-10 9/16 (1488) 4-9 1/2 (1461) 4-9 (1448)									
5-2 9/16 (1589) 5-1 1/2 (1562) 5-1 (1549)									
5-6 9/16 (1691) 5-5 1/2 (1664) 5-5 (1651)									

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.

1. Standard call number; 2024
2. Add the two glass heights; 24" + 24" = 48"
3. Divide 48" by 2/5; 19-13/64"
4. Round to the nearest standard glass height; 20"
5. 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

MULTIPLE ASSEMBLY CONVERSIONS

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

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)
5-10 9/16 (1792) 5-9 1/2 (1765) 5-9 (1753)									
6-2 9/16 (1894) 6-1 1/2 (1867) 6-1 (1854)									
6-6 9/16 (1996) 6-5 1/2 (1969) 6-5 (1956)									
6-10 9/16 (2097) 6-9 1/2 (2070) 6-9 (2057)									
7-6 9/16 (2300) 7-5 1/2 (2273) 7-5 (2261)									
7-10 9/16 (2402) 7-9 1/2 (2375) 7-9 (2362)									

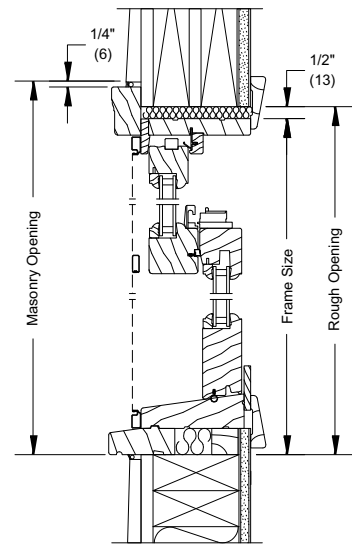
COTTAGE STYLE*

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)
5-10 9/16 (1792) 5-9 1/2 (1765) 5-9 (1753) 1-10 15/16 (583) / 2-10 15/16 (887)									

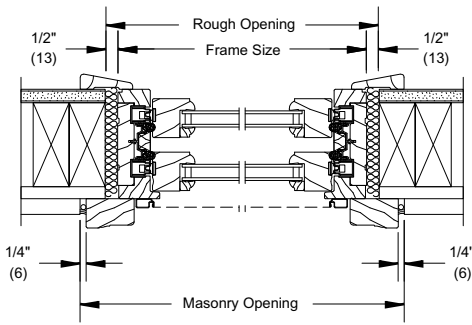
Please consult your local Marvin representative for more information.
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

WOOD DOUBLE HUNG

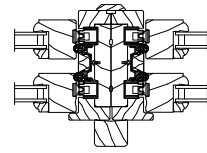
CONSTRUCTION DETAILS



HEAD JAMB AND SILL - OPERATOR



JAMB - OPERATOR



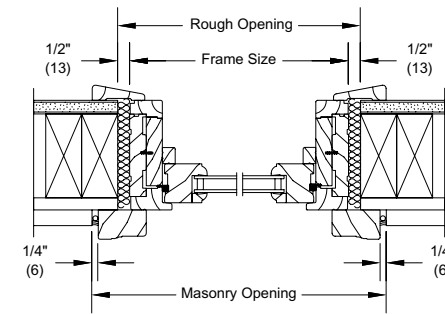
VERTICAL MULLION OPERATOR

WOOD DOUBLE HUNG TRANSOM

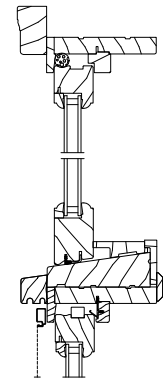
MO (mm)	2-0 1/2 (622)	2-4 1/2 (724)	2-8 1/2 (826)	2-10 1/2 (876)	3-0 1/2 (927)	3-2 1/2 (978)	3-4 1/2 (1029)	3-8 1/2 (1130)	4-0 1/2 (1232)
RO (mm)	1-10 3/8 (568)	2-2 3/8 (670)	2-6 3/8 (772)	2-8 3/8 (822)	2-10 3/8 (873)	3-0 3/8 (924)	3-2 3/8 (975)	3-6 3/8 (1076)	3-10 3/8 (1178)
FS (mm)	1-9 3/8 (543)	2-1 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)

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 MULLED 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

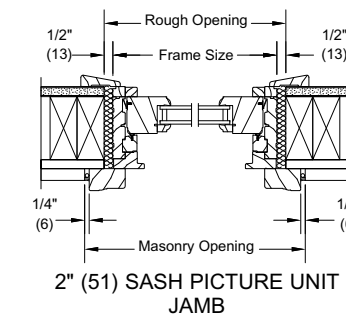
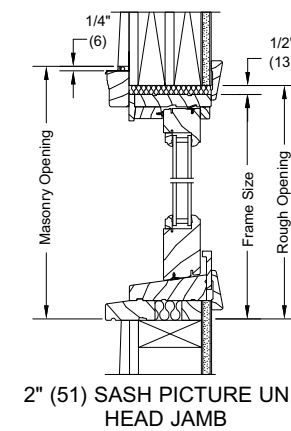
MO (mm)	3-8 1/2 (1130)	4-4 1/2 (1334)	4-8 1/2 (1435)	5-4 1/2 (1638)	6-0 1/2 (1842)
RO (mm)	3-6 3/8 (1076)	4-2 3/8 (1280)	4-6 3/8 (1381)	5-2 3/8 (1584)	5-10 3/8 (1788)
FS (mm)	3-5 3/8 (1051)	4-1 3/8 (1254)	4-5 3/8 (1356)	5-1 3/8 (1559)	5-9 3/8 (1762)
DLO (mm)	2-10 15/16 (887)	3-6 15/16 (1091)	3-10 15/16 (1192)	4-6 15/16 (1395)	5-2 15/16 (1599)
3-6 9/16 (1081) 3-5 1/2 (1064) 3-5 (1041) 2-8 1/4 (819)					
3-10 9/16 (1183) 3-9 1/2 (1166) 3-9 (1143) 3-0 1/4 (921)					
4-2 9/16 (1284) 4-1 1/2 (1267) 4-1 (1245) 3-4 1/4 (1022)					
4-6 9/16 (1386) 4-5 1/2 (1369) 4-5 (1346) 3-8 1/4 (1124)					
4-10 9/16 (1488) 4-9 1/2 (1471) 4-9 (1448) 4-0 1/4 (1226)					
5-2 9/16 (1589) 5-1 1/2 (1572) 5-1 (1549) 4-4 1/4 (1327)					
5-6 9/16 (1691) 5-5 1/2 (1674) 5-5 (1651) 4-8 1/4 (1429)					
5-10 9/16 (1792) 5-9 1/2 (1775) 5-9 (1753) 5-0 1/4 (1530)					
6-2 9/16 (1894) 6-1 1/2 (1877) 6-1 (1854) 5-4 1/4 (1632)					
6-6 9/16 (1996) 6-5 1/2 (1979) 6-5 (1956) 5-8 1/4 (1734)					

Ultimate Wood Double Hung Picture: UWDHP

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) 6-8 1/4 (2038)					
7-10 9/16 (2402) 7-9 1/2 (2375) 7-9 (2362) 7-0 1/4 (2140)					

CONSTRUCTION DETAILS



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)
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 (1049)
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)
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)
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 (1359)	4-5 9/32 (1353)
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)
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)

Ultimate Wood Double Hung Round Top: UWDHRT

WOOD DOUBLE HUNG ROUND TOP

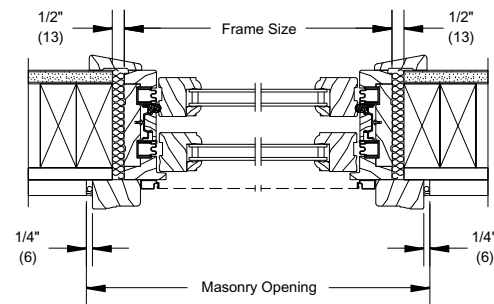
RT6 EYEBROW ABOVE SPRINGLINE STANDARD SIZES ONE WIDE OPERATOR

RO (mm)	2-2 3/8 (670)	2-6 3/8 (772)	2-10 3/8 (837)	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)	5-11 9/32 (1810)	6-0 9/16 (1843)	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 9/32 (1658)	5-5 9/32 (1658)	5-5 9/32 (1658)
RO (mm)	6-1 1/8 (1858)	6-2 17/32 (1893)	6-2 9/16 (1894)	6-3 9/32 (1912)	6-4 9/16 (1945)	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 9/32 (1760)	5-9 9/32 (1759)	5-9 9/32 (1759)
RO (mm)	6-5 1/8 (1959)	6-6 17/32 (1994)	6-6 9/16 (1996)	6-7 9/32 (2013)	6-8 9/16 (2046)	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 9/32 (1861)	6-1 9/32 (1861)	6-1 9/32 (1861)
RO (mm)	6-9 1/8 (2061)	6-10 17/32 (2096)	6-10 9/16 (2097)	6-11 9/32 (2115)	7-0 9/16 (2148)	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 9/32 (1963)	6-5 9/32 (1963)	6-5 9/32 (1963)
RO (mm)	7-1 1/8 (2162)	7-2 17/32 (2198)	7-2 9/16 (2199)	7-3 9/32 (2217)	7-4 9/16 (2249)	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 9/32 (2065)	6-9 9/32 (2064)	6-9 9/32 (2064)

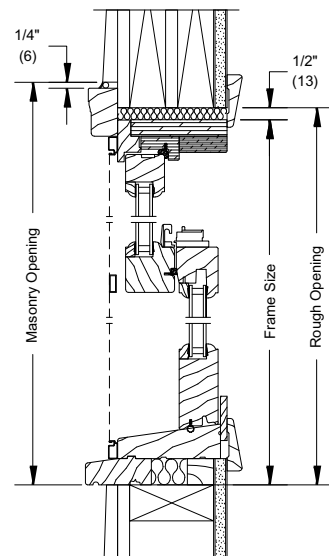
Details and Elevations not to scale.
 E These windows meet national Egress codes for fire evacuation.
 Local codes may differ.
 Please consult your local Marvin representative for more information.
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

WOOD DOUBLE HUNG ROUND TOP

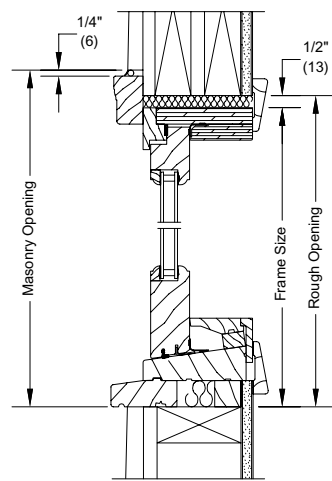
CONSTRUCTION DETAILS



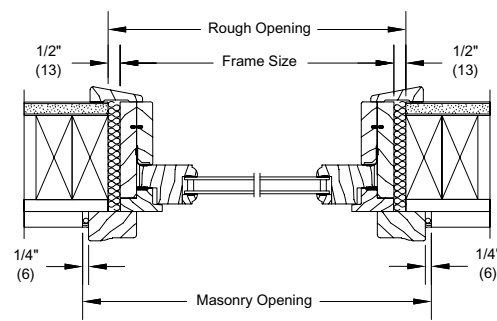
JAMB - OPERATOR



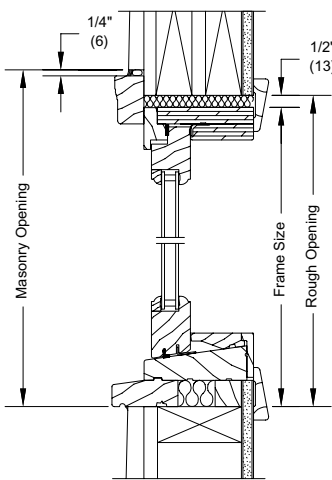
HEAD JAMB AND SILL - OPERATOR



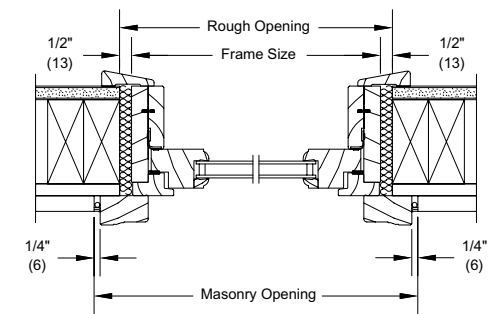
1 5/8" SASH
HEAD JAMB AND SILL - PICTURE



1 5/8" SASH
JAMB - PICTURE



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



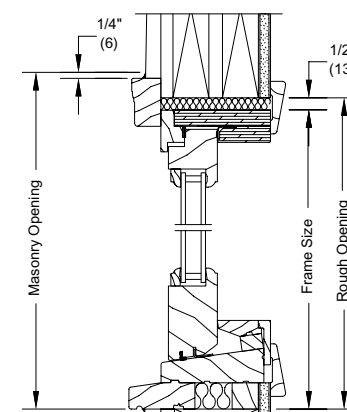
1 5/8" SASH
JAMB - TRANSOM

WOOD DOUBLE HUNG TRANSOM ROUND TOP

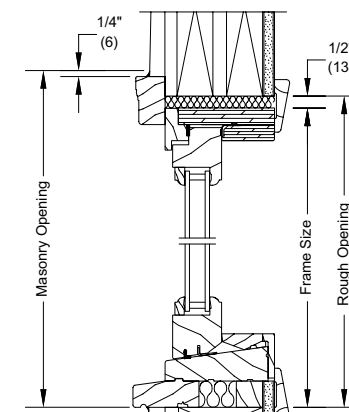
RT1 TRUE HALF CIRCLE - IN SASH TRANSOM

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

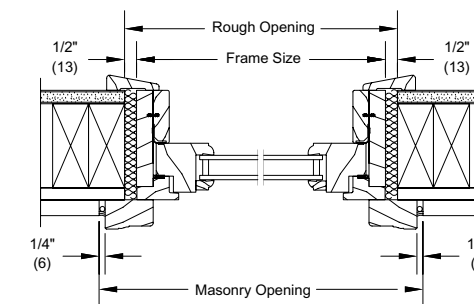
CONSTRUCTION DETAILS



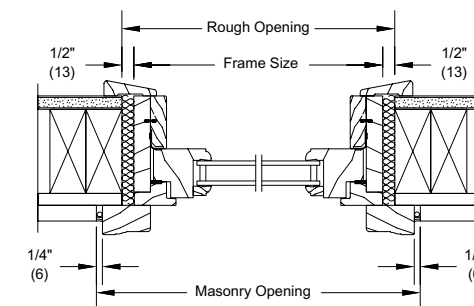
2" SASH HEAD JAMB AND SILL -
PICTURE



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 SpIn. (mm)	0-8 5/8 (219)	0-7 7/32 (336)	0-7 7/8 (200)	0-7 3/16 (335)	0-6 1/2 (318)	0-7 11/16 (348)	0-6 1/2 (318)
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 SpIn. (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 (605)	1-7 3/16 (487)	1-6 1/2 (470)	1-7 11/16 (500)	1-6 1/2 (470)
RO SpIn. (mm)	1-8 5/8 (624)	1-7 7/32 (488)	1-7 7/8 (605)	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 SpIn. (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 SpIn. (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 SpIn. (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 SpIn. (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 SpIn. (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 SpIn. (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 SpIn. (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 SpIn. (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 SpIn. (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 SpIn. (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

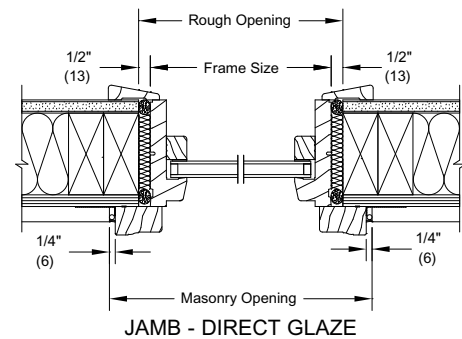
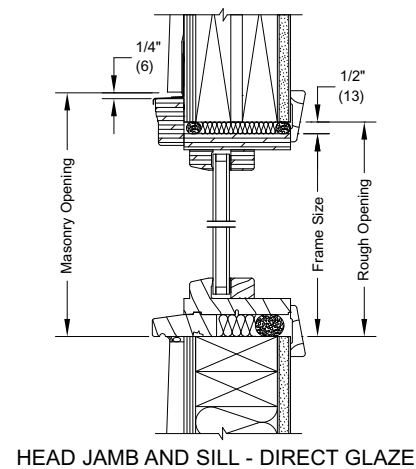
RT1 TRUE HALF CIRCLE STANDARD SIZES - DIRECT GLAZE

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)	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)	

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)

CONSTRUCTION DETAILS



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 (896)
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)

MULTIPLE ASSEMBLY CONVERSIONS

ROUGH OPENING		MASONRY OPENING WITHOUT BMC	
Width	Height	Width	Height
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 Double Hung G2: UDHG2

DOUBLE HUNG G2

MO (mm)	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)
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)	5-6 1/4 (1683)
FS (mm)	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)
DLO (mm)	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

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)

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

MO (mm)	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)
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)	5-6 1/4 (1683)
FS (mm)	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)
DLO (mm)	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 (1828) 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 (994)							
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.
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 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)

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*

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)
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)
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)
DLO (mm)	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) 3/4 (883)					
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* 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

EXAMPLE:

1. UDHG2 with a 0.400 top sash ration (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"
2. 47 1/2" - 7 1/2" = 40"
3. 40" multiplied by 0.400 (²/₅) = 16"
4. 40" - 16" = 24"
5. 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

MO (mm)	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)
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)	5-6 1/4 (1683)
FS (mm)	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)
DLO (mm)	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)

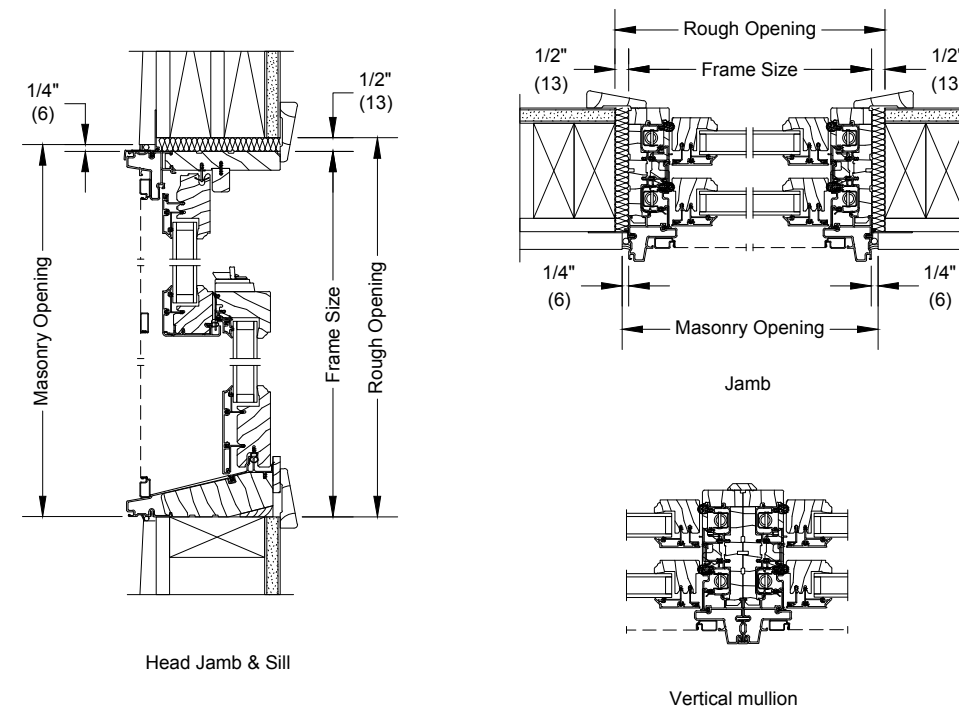
8-11 3/4 (2737) 9-0 (2743) 8-11 1/2 (2731) 48 3/4 (1238)							
	UDHG2 3250 E	UDHG2 3650 E	UDHG2 4050 E	UDHG2 4450 E	UDHG2 4850 E	UDHG2 5450 E	UDHG2 6050 E
9-11 3/4 (3042) 10-0 (3048) 9-11 1/2 (3035) 54 3/4 (1391)							
	UDHG2 3256 E	UDHG2 3656 E	UDHG2 4056 E	UDHG2 4456 E	UDHG2 4856 E	UDHG2 5456 E	UDHG2 6056 E
10-7 3/4 (3245) 10-6 (3251) 10-7 1/2 (3239) 58 3/4 (1492)							
	UDHG2 3260 E	UDHG2 3660 E	UDHG2 4060 E	UDHG2 4460 E	UDHG2 4860 E	UDHG2 5460	UDHG2 6060 E

COTTAGE STYLE*

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

5-7 3/4 (1721) 5-6 (1727) 5-7 1/2 (1715) 22 3/4 (579)/34 3/4 (883)				
	UDHG2 3024/36	UDHG2 3224/36	UDHG2 3624/36	UDHG2 4024/36

DOUBLE HUNG G2



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 TRANSOM G2

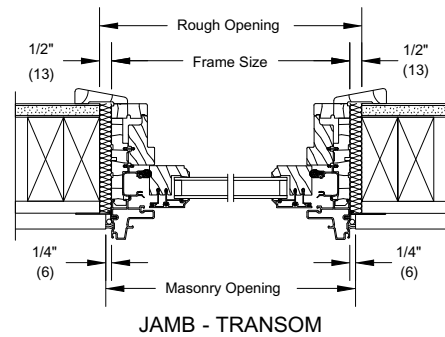
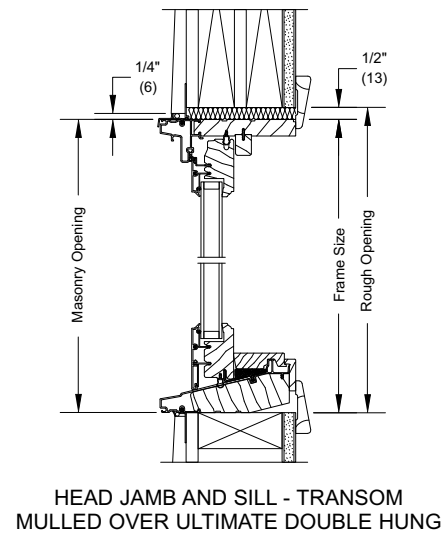
MO (mm)	1-9 3/4 (552)	2-1 3/4 (654)	2-5 3/4 (756)	2-7 3/4 (806)	2-9 3/4 (857)
RO (mm)	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)
FS (mm)	1-9 1/4 (540)	2-1 1/4 (641)	2-5 1/4 (743)	2-7 1/4 (794)	2-9 1/4 (845)
DLO (mm)	14 47/64 (347)	18 47/64 (476)	22 47/64 (577)	24 47/64 (628)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

1-7 15/16 (606)					
1-8 3/16 (513)					
1-7 11/16 (600)					
12 3/4 (324)					
2-3 15/16 (710)					
2-4 3/16 (716)					
2-3 11/16 (703)					
20 3/4 (527)					

MO (mm)	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)
RO (mm)	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)
FS (mm)	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)
DLO (mm)	28 47/64 (730)	30 47/64 (781)	34 47/64 (882)	38 47/64 (984)	52 47/64 (1339)

1-7 15/16 (606)					
1-8 3/16 (513)					
1-7 11/16 (600)					
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






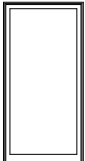


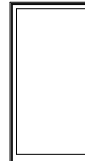




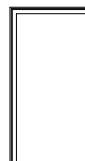

DOUBLE HUNG PICTURE G2

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)

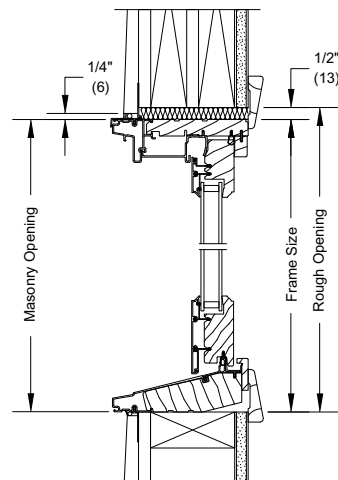
3-3 3/4 (1010)					
3-4 (1016)					
3-3 1/2 (1003)					
31 27/64 (798)					
3-7 3/4 (1111)					
3-8 (1118)					
3-7 1/2 (1105)					
35 27/64 (900)					
4-0 5/8 (1235)					
4-0 (1219)					
3-11 1/2 (1207)					
39 27/64 (1001)					
4-4 5/8 (1337)					
4-4 (1321)					
4-3 1/2 (1308)					
43 27/64 (1103)					
4-8 5/8 (1438)					
4-8 (1422)					
4-7 1/2 (1410)					
47 27/64 (1204)					
5-0 5/8 (1540)					
5-0 (1524)					
4-11 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 (1830)					
6-3 1/2 (1918)					
67 27/64 (1712)					
6-4 5/8 (1946)					
6-4 (1930)					
6-3 1/2 (1918)					
67 27/64 (1712)					

DOUBLE HUNG PICTURE G2

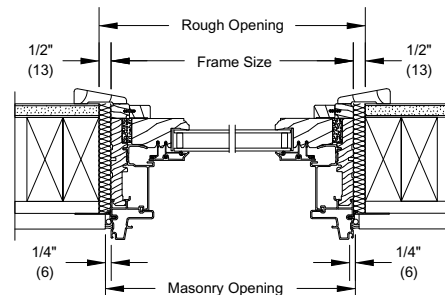
MO (mm)	3-5 3/4 (1060)	4-1 3/4 (1264)	4-5 3/4 (1365)	5-1 3/4 (1568)	5-9 3/4 (1772)
RO (mm)	3-6 1/4 (1073)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-2 1/4 (1581)	5-10 1/4 (1784)
FS (mm)	3-5 1/4 (1048)	4-1 1/4 (1251)	4-5 1/4 (1353)	5-1 1/4 (1556)	5-9 1/4 (1759)
DLO (mm)	34 47/64 (882)	42 47/64 (1085)	46 47/64 (1187)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

6-8 5/8 (2048) 6-8 (2032) 6-7 1/2 (2018) 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.
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.

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)	2-10 31/64 (876)	2-11 19/32 (904)	3-0 31/32 (939)	3-0 25/64 (924)	3-1 1/32 (941)	3-1 23/32 (958)
RO Spln. (mm)	2-7 13/16 (808)	2-7 25/32 (807)	2-7 3/4 (806)	2-7 25/32 (807)	2-7 49/64 (807)	2-7 3/4 (807)
RO (mm)	3-2 31/64 (977)	3-3 19/32 (1006)	3-4 31/32 (1041)	3-4 25/64 (1026)	3-5 1/32 (1042)	3-5 23/32 (1060)
RO Spln. (mm)	2-11 13/16 (910)	2-11 25/32 (909)	2-11 3/4 (908)	2-11 25/32 (909)	2-11 49/64 (908)	2-11 3/4 (908)
RO (mm)	3-6 31/64 (1079)	3-7 19/32 (1107)	3-8 31/32 (1142)	3-8 25/64 (1128)	3-9 1/32 (1144)	3-9 23/32 (1161)
RO Spln. (mm)	3-3 13/16 (1011)	3-3 25/32 (1010)	3-3 3/4 (1010)	3-3 25/32 (1010)	3-3 49/64 (1010)	3-3 3/4 (1010)
RO (mm)	3-10 31/64 (1181)	3-11 19/32 (1209)	4-0 31/32 (1244)	4-0 25/64 (1229)	4-1 1/32 (1245)	4-1 23/32 (1263)
RO Spln. (mm)	3-7 13/16 (1113)	3-7 25/32 (1112)	3-7 3/4 (1111)	3-7 25/32 (1112)	3-7 49/64 (1112)	3-7 3/4 (1111)
RO (mm)	3-10 31/64 (1181)	4-3 19/32 (1310)	4-4 31/32 (1345)	4-4 25/64 (1331)	4-5 1/32 (1347)	4-5 23/32 (1365)
RO Spln. (mm)	3-11 13/16 (1214)	3-11 25/32 (1214)	3-11 3/4 (1213)	3-11 25/32 (1214)	3-11 49/64 (1213)	3-11 3/4 (1213)
RO (mm)	4-2 31/64 (1282)	4-3 19/32 (1310)	4-4 31/32 (1345)	4-4 25/64 (1331)	4-5 1/32 (1347)	4-5 23/32 (1365)
RO Spln. (mm)	3-11 13/16 (1214)	3-11 25/32 (1214)	3-11 3/4 (1213)	3-11 25/32 (1214)	3-11 49/64 (1213)	3-11 3/4 (1213)
RO (mm)	4-10 31/64 (1485)	4-11 19/32 (1514)	5-0 31/32 (1549)	5-0 25/64 (1534)	5-1 1/32 (1550)	5-1 23/32 (1568)
RO Spln. (mm)	4-7 13/16 (1418)	4-7 25/32 (1417)	4-7 3/4 (1416)	4-7 25/32 (1417)	4-7 49/64 (1416)	4-7 3/4 (1416)
RO (mm)	5-2 31/64 (1587)	5-3 19/32 (1615)	5-4 31/32 (1650)	5-4 25/64 (1636)	5-5 1/32 (1652)	5-5 23/32 (1669)
RO Spln. (mm)	4-11 13/16 (1519)	4-11 25/32 (1518)	4-11 3/4 (1518)	4-11 25/32 (1518)	4-11 49/64 (1518)	4-11 3/4 (1518)
RO (mm)	5-6 31/64 (1689)	5-7 19/32 (1717)	5-8 31/32 (1752)	5-8 25/64 (1737)	5-9 1/32 (1753)	5-9 23/32 (1771)
RO Spln. (mm)	5-3 13/16 (1621)	5-3 25/32 (1620)	5-3 3/4 (1619)	5-3 25/32 (1620)	5-3 49/64 (1620)	5-3 3/4 (1619)
RO (mm)	5-10 31/64 (1790)	5-11 19/32 (1818)	6-0 31/32 (1853)	6-0 25/64 (1839)	6-1 1/32 (1855)	6-1 23/32 (1873)
RO Spln. (mm)	5-7 13/16 (1722)	5-7 25/32 (1722)	5-7 3/4 (1721)	5-7 25/32 (1722)	5-7 49/64 (1721)	5-7 3/4 (1721)
RO (mm)	5-10 31/64 (1790)	5-11 19/32 (1818)	6-0 31/32 (1853)	6-0 25/64 (1839)	6-1 1/32 (1855)	6-1 23/32 (1873)
RO Spln. (mm)	5-7 13/16 (1722)	5-7 25/32 (1722)	5-7 3/4 (1721)	5-7 25/32 (1722)	5-7 49/64 (1721)	5-7 3/4 (1721)
RO (mm)	5-10 31/64 (1790)	5-11 19/32 (1818)	6-0 31/32 (1853)	6-0 25/64 (1839)	6-1 1/32 (1855)	6-1 23/32 (1873)
RO Spln. (mm)	5-7 13/16 (1722)	5-7 25/32 (1722)	5-7 3/4 (1721)	5-7 25/32 (1722)	5-7 49/64 (1721)	5-7 3/4 (1721)

Ultimate Double Hung Round Top G2: UDHRTG2

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) RO Spln. (mm)	3-0 19/32 (930) 2-7 51/64 (808)	3-1 47/64 (958) 2-7 25/32 (807)	3-3 1/64 (891) 2-7 49/64 (807)	3-4 31/64 (1028) 2-7 3/4 (806)	3-3 1/64 (891) 2-7 51/64 (807)	3-4 55/64 (1038) 2-7 49/64 (807)
	UDHRTG2 3212	UDHRTG2 3612	UDHRTG2 4012	UDHRTG2 4412	UDHRTG2 4812	UDHRTG2 5412
	3-4 19/32 (1031) 2-11 51/64 (909)	3-5 47/64 (1060) 2-11 25/32 (909)	3-7 1/64 (1093) 2-11 49/64 (908)	3-8 31/64 (1130) 2-11 3/4 (908)	3-7 1/64 (1093) 2-11 51/64 (909)	3-8 55/64 (1139) 2-11 49/64 (909)
	UDHRTG2 3214	UDHRTG2 3614	UDHRTG2 4014	UDHRTG2 4414	UDHRTG2 4814	UDHRTG2 5414
	3-8 19/32 (1133) 3-3 51/64 (1011)	3-9 47/64 (1161) 3-3 25/32 (1010)	3-11 1/64 (1194) 3-3 49/64 (1010)	4-0 31/64 (1231) 3-3 3/4 (1009)	3-11 1/64 (1194) 3-3 51/64 (1011)	4-0 55/64 (1241) 3-3 49/64 (1010)
	UDHRTG2 3216	UDHRTG2 3616	UDHRTG2 4016	UDHRTG2 4416	UDHRTG2 4816	UDHRTG2 5416
	4-0 19/32 (1234) 3-7 51/64 (1113)	4-1 47/64 (1263) 3-7 25/32 (1112)	4-3 1/64 (1296) 3-7 49/64 (1112)	4-4 31/64 (1333) 3-7 3/4 (1111)	4-3 1/64 (1296) 3-7 51/64 (1112)	4-4 55/64 (1343) 3-7 49/64 (1112)
	UDHRTG2 3218	UDHRTG2 3618	UDHRTG2 4018	UDHRTG2 4418	UDHRTG2 4818	UDHRTG2 5418
	4-4 19/32 (1336) 3-11 51/64 (1214)	4-5 47/64 (1365) 3-11 25/32 (1214)	4-7 1/64 (1397) 3-11 49/64 (1213)	4-8 31/64 (1435) 3-11 3/4 (1213)	4-7 1/64 (1398) 3-11 51/64 (1214)	4-8 55/64 (1444) 3-11 49/64 (1213)
	UDHRTG2 3220	UDHRTG2 3620	UDHRTG2 4020	UDHRTG2 4420	UDHRTG2 4820	UDHRTG2 5420
	4-8 19/32 (1438) 4-3 51/64 (1316)	4-9 47/64 (1466) 4-3 25/32 (1315)	4-11 1/64 (1499) 4-3 49/64 (1315)	5-0 31/64 (1536) 4-3 3/4 (1314)	4-11 1/64 (1499) 4-3 51/64 (1315)	5-0 55/64 (1546) 4-3 49/64 (1315)
	UDHRTG2 3222	UDHRTG2 3622	UDHRTG2 4022	UDHRTG2 4422	UDHRTG2 4822	UDHRTG2 5422
	5-0 19/32 (1539) 4-7 51/64 (1417)	5-1 47/64 (1568) 4-7 25/32 (1417)	5-3 1/64 (1601) 4-7 49/64 (1416)	5-4 31/64 (1638) 4-7 3/4 (1416)	4-3 51/64 (1315) 4-7 51/64 (1417)	5-4 55/64 (1647) 4-7 49/64 (1417)
	UDHRTG2 3224	UDHRTG2 3624	UDHRTG2 4024	UDHRTG2 4424	UDHRTG2 4824	UDHRTG2 5424
	5-4 19/32 (1641) 4-11 51/64 (1519)	5-5 47/64 (1669) 4-11 25/32 (1518)	5-7 1/64 (1702) 4-11 49/64 (1518)	5-8 31/64 (1739) 4-11 3/4 (1517)	5-7 1/64 (1702) 4-11 51/64 (1519)	5-8 55/64 (1749) 4-11 49/64 (1518)
	UDHRTG2 3226 E	UDHRTG2 3626 E	UDHRTG2 4026 E	UDHRTG2 4426 E	UDHRTG2 4826 E	UDHRTG2 5426 E
	5-8 19/32 (1742) 5-3 51/64 (1621)	5-9 47/64 (1771) 5-3 25/32 (1620)	5-11 1/64 (1804) 5-3 49/64 (1620)	6-0 31/64 (1841) 5-3 3/4 (1619)	5-11 1/64 (1804) 5-3 51/64 (1620)	6-0 55/64 (1850) 5-3 49/64 (1620)
	UDHRTG2 3228 E	UDHRTG2 3628 E	UDHRTG2 4028 E	UDHRTG2 4428 E	UDHRTG2 4828 E	UDHRTG2 5428 E
	6-0 19/32 (1844) 5-7 51/64 (1722)	6-1 47/64 (1873) 5-7 25/32 (1722)	6-3 1/64 (1905) 5-7 49/64 (1721)	6-4 31/64 (1943) 5-7 3/4 (1721)	6-3 1/64 (1906) 5-7 51/64 (1722)	6-4 55/64 (1952) 5-7 49/64 (1721)
	UDHRTG2 3230 E	UDHRTG2 3630 E	UDHRTG2 4030 E	UDHRTG2 4430 E	UDHRTG2 4830 E	UDHRTG2 5430 E

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) RO Spln. (mm)	6-2 31/64 (1892) 5-11 13/16 (1824)	6-3 19/32 (1920) 5-11 25/32 (1823)	6-4 31/32 (1955) 5-11 3/4 (1822)	6-4 25/64 (1940) 5-11 25/32 (1823)	6-5 1/32 (1957) 5-11 49/64 (1823)	6-5 23/32 (1974) 5-11 3/4 (1823)
	UDHRTG2 1632	UDHRTG2 2032	UDHRTG2 2432	UDHRTG2 2632 E	UDHRTG2 2832 E	UDHRTG2 3032 E
	6-6 31/64 (1993) 6-3 13/16 (1926)	6-7 19/32 (2022) 6-3 25/32 (1925)	6-8 31/32 (2057) 6-3 3/4 (1924)	6-8 25/64 (2042) 6-3 25/32 (1925)	6-9 1/32 (2058) 6-3 49/64 (1924)	6-9 23/32 (2076) 6-3 3/4 (1924)
	UDHRTG2 1634	UDHRTG2 2034	UDHRTG2 2434 E	UDHRTG2 2634 E	UDHRTG2 2834 E	UDHRTG2 3034 E
	6-10 31/64 (2095) 6-7 13/16 (2027)	6-11 19/32 (2123) 6-7 25/32 (2026)	7-0 31/32 (2158) 6-7 3/4 (2026)	7-0 25/64 (2144) 6-7 25/32 (2026)	7-1 1/32 (2160) 6-7 49/64 (2026)	7-1 23/32 (2177) 6-7 3/4 (2026)
	UDHRTG2 1636	UDHRTG2 2036	UDHRTG2 2436 E	UDHRTG2 2636 E	UDHRTG2 2836 E	UDHRTG2 3036 E
	7-6 31/64 (2298) 7-3 13/16 (2230)	7-7 19/32 (2326) 7-3 25/32 (2230)	7-8 31/32 (2361) 7-3 3/4 (2229)	7-8 25/64 (2347) 7-3 25/32 (2230)	7-9 1/32 (2363) 7-3 49/64 (2229)	7-9 23/32 (2381) 7-3 3/4 (2229)
	UDHRTG2 1640	UDHRTG2 2040 E	UDHRTG2 2440 E	UDHRTG2 2640 E	UDHRTG2 2840 E	UDHRTG2 3040 E
	7-10 31/64 (2400) 7-7 13/16 (2332)	7-11 19/32 (2428) 7-7 25/32 (2331)	8-0 31/32 (2463) 7-7 3/4 (2330)	8-0 25/64 (2448) 7-7 25/32 (2331)	8-1 1/32 (2465) 7-7 49/64 (2331)	8-1 23/32 (2482) 7-7 3/4 (2331)
	UDHRTG2 1642	UDHRTG2 2042 E	UDHRTG2 2442 E	UDHRTG2 2642 E	UDHRTG2 2842 E	UDHRTG2 3042 E
	9-2 31/64 (2806) 8-11 13/16 (2738)	9-3 19/32 (2834) 8-11 25/32 (2738)	9-4 31/32 (2869) 8-11 3/4 (2737)	9-4 25/64 (2855) 8-11 25/32 (2738)	9-5 1/32 (2871) 8-11 49/64 (2737)	9-5 23/32 (2889) 8-11 3/4 (2737)
	UDHRTG2 1650	UDHRTG2 2050 E	UDHRTG2 2450 E	UDHRTG2 2650 E	UDHRTG2 2850 E	UDHRTG2 3050 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)	4-4 5/8 (1337)	4-8 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)	2-11 25/32 (909)	2-11 51/64 (909)	2-7 49/64 (807)
	UDHRTG2 3612	UDHRTG2 4012	UDHRTG2 3614	UDHRTG2 4412	UDHRTG2 5412
	UDHRTG2 3616	UDHRTG2 4014	UDHRTG2 3618	UDHRTG2 4414	UDHRTG2 5414
	UDHRTG2 3620	UDHRTG2 4016	UDHRTG2 3622	UDHRTG2 4416	UDHRTG2 5416
	UDHRTG2 3624	UDHRTG2 4018	UDHRTG2 3626	UDHRTG2 4418	UDHRTG2 5418
	UDHRTG2 3628	UDHRTG2 4020	UDHRTG2 3630	UDHRTG2 4420	UDHRTG2 5420
	UDHRTG2 3632	UDHRTG2 4022	UDHRTG2 3634	UDHRTG2 4422	UDHRTG2 5422
	UDHRTG2 3636	UDHRTG2 4024	UDHRTG2 3638	UDHRTG2 4424	UDHRTG2 5424
	UDHRTG2 3640	UDHRTG2 4026 E	UDHRTG2 3642	UDHRTG2 4426 E	UDHRTG2 5426 E
RO (mm)	5-0 5/8 (1540)	5-2 5/8 (1591)	5-4 5/8 (1641)	5-6 5/8 (1692)	5-9 5/8 (1768)
RO Spln. (mm)	3-3 25/32 (1010)	3-3 49/64 (1010)	3-7 3/4 (1112)	3-7 51/64 (1112)	3-3 49/64 (1010)
	UDHRTG2 4414	UDHRTG2 4016	UDHRTG2 4418	UDHRTG2 4816	UDHRTG2 5416
	UDHRTG2 4416	UDHRTG2 4018	UDHRTG2 4420	UDHRTG2 4818	UDHRTG2 5418
	UDHRTG2 4420	UDHRTG2 4022	UDHRTG2 4424	UDHRTG2 4820	UDHRTG2 5420
	UDHRTG2 4424	UDHRTG2 4024	UDHRTG2 4428	UDHRTG2 4824	UDHRTG2 5424
	UDHRTG2 4426 E	UDHRTG2 4026 E	UDHRTG2 4430	UDHRTG2 4826 E	UDHRTG2 5426 E
RO (mm)	6-0 5/8 (1845)	6-2 5/8 (1895)	6-4 5/8 (1945)	6-6 5/8 (1995)	6-9 5/8 (2073)
RO Spln. (mm)	3-11 25/32 (1214)	3-11 49/64 (1213)	3-11 3/4 (1213)	3-11 51/64 (1214)	3-11 49/64 (1213)
	UDHRTG2 4814	UDHRTG2 4016	UDHRTG2 4816	UDHRTG2 4816	UDHRTG2 5414
	UDHRTG2 4816	UDHRTG2 4018	UDHRTG2 4818	UDHRTG2 4818	UDHRTG2 5416
	UDHRTG2 4820	UDHRTG2 4022	UDHRTG2 4822	UDHRTG2 4822	UDHRTG2 5418
	UDHRTG2 4824	UDHRTG2 4024	UDHRTG2 4826	UDHRTG2 4826	UDHRTG2 5420
	UDHRTG2 4826 E	UDHRTG2 4026 E	UDHRTG2 4830	UDHRTG2 4826 E	UDHRTG2 5422
RO (mm)	6-4 5/8 (1946)	6-6 5/8 (1997)	6-8 5/8 (2048)	6-10 5/8 (2099)	6-1 5/8 (1870)
RO Spln. (mm)	4-7 25/32 (1417)	4-7 49/64 (1416)	4-7 3/4 (1416)	4-7 51/64 (1417)	3-7 49/64 (1112)
	UDHRTG2 4814	UDHRTG2 4016	UDHRTG2 4816	UDHRTG2 4816	UDHRTG2 5414
	UDHRTG2 4816	UDHRTG2 4018	UDHRTG2 4818	UDHRTG2 4818	UDHRTG2 5416
	UDHRTG2 4820	UDHRTG2 4022	UDHRTG2 4822	UDHRTG2 4822	UDHRTG2 5418
	UDHRTG2 4824	UDHRTG2 4024	UDHRTG2 4826	UDHRTG2 4826	UDHRTG2 5420
	UDHRTG2 4826 E	UDHRTG2 4026 E	UDHRTG2 4830	UDHRTG2 4826 E	UDHRTG2 5422
RO (mm)	7-0 5/8 (2099)	7-2 5/8 (2149)	7-4 5/8 (2199)	7-6 5/8 (2250)	7-9 5/8 (2326)
RO Spln. (mm)	4-11 25/32 (1518)	4-11 49/64 (1518)	4-11 3/4 (1517)	4-11 51/64 (1519)	4-11 49/64 (1518)
	UDHRTG2 5414	UDHRTG2 4016	UDHRTG2 5416	UDHRTG2 4816	UDHRTG2 5414
	UDHRTG2 5416	UDHRTG2 4018	UDHRTG2 5418	UDHRTG2 4818	UDHRTG2 5416
	UDHRTG2 5420	UDHRTG2 4022	UDHRTG2 5422	UDHRTG2 4822	UDHRTG2 5418
	UDHRTG2 5424	UDHRTG2 4024	UDHRTG2 5426	UDHRTG2 4826	UDHRTG2 5420
	UDHRTG2 5426 E	UDHRTG2 4026 E	UDHRTG2 5430	UDHRTG2 4826 E	UDHRTG2 5422

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)	6-7 5/8 (2022)	6-8 5/8 (2048)	6-9 5/8 (2073)	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 49/64 (1620)	5-3 3/4 (1619)	5-3 51/64 (1621)
	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 2042 E	UDHRTG2 2442 E	UDHRTG2 2642 E	UDHRTG2 2842 E	UDHRTG2 3042 E	UDHRTG2 3242 E
RO (mm)	6-8 5/8 (2048)	6-10 5/8 (2099)	6-11 5/8 (2124)	6-11 5/8 (2149)	6-11 5/8 (2175)	6-11 5/8 (2200)
RO Spln. (mm)	4-11 25/32 (1518)	4-11 49/64 (1518)	4-11 3/4 (1517)	4-11 51/64 (1519)	4-11 49/64 (1518)	4-11 51/64 (1519)
	UDHRTG2 5414	UDHRTG2 4016	UDHRTG2 5416	UDHRTG2 4816	UDHRTG2 5414	UDHRTG2 5414
	UDHRTG2 5416	UDHRTG2 4018	UDHRTG2 5418	UDHRTG2 4818	UDHRTG2 5416	UDHRTG2 5416
	UDHRTG2 5420	UDHRTG2 4022	UDHRTG2 5422	UDHRTG2 4822	UDHRTG2 5420	UDHRTG2 5420
	UDHRTG2 5424	UDHRTG2 4024	UDHRTG2 5426	UDHRTG2 4826	UDHRTG2 5424	UDHRTG2 5424
	UDHRTG2 5426 E	UDHRTG2 4026 E	UDHRTG2 5430	UDHRTG2 4826 E	UDHRTG2 5426 E	UDHRTG2 5426 E
RO (mm)	7-0 5/8 (2200)	7-2 5/8 (2250)	7-4 5/8 (2300)	7-6 5/8 (2350)	7-9 5/8 (2426)	7-2 5/8 (2200)
RO Spln. (mm)	4-11 25/32 (1518)	4-11 49/64 (1518)	4-11 3/4 (1517)	4-11 51/64 (1519)	4-11 49/64 (1518)	4-11 51/64 (1519)
	UDHRTG2 5414	UDHRTG2 4016	UDHRTG2 5416	UDHRTG2 4816	UDHRTG2 5414	UDHRTG2 5414
	UDHRTG2 5416	UDHRTG2 4018	UDHRTG2 5418	UDHRTG2 4818	UDHRTG2 5416	UDHRTG2 5416
	UDHRTG2 5420	UDHRTG2 4022	UDHRTG2 5422	UDHRTG2 4822	UDHRTG2 5420	UDHRTG2 5420
	UDHRTG2 5424	UDHRTG2 4024	UDHRTG2 5426	UDHRTG2 4826	UDHRTG2 5424	UDHRTG2 5424
	UDHRTG2 5426 E	UDHRTG2 4026 E				

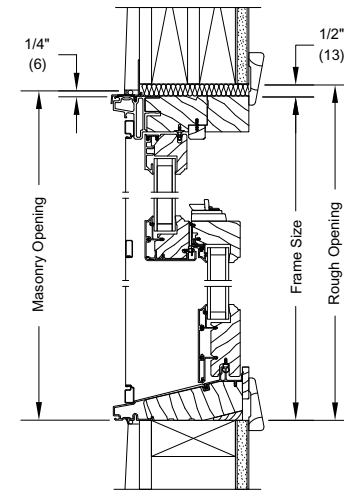
DOUBLE HUNG ROUND TOP G2

RT2 HALF CIRCLE ABOVE SPRINGLINE STANDARD SIZES OPERATORS

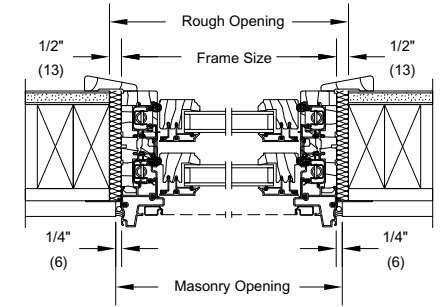
RO (mm) RO Rad. (mm)	3-6 1/4 (1073) 1-9 1/8 (537)	3-10 1/4 (1175) 1-11 1/8 (587)	4-2 1/4 (1276) 2-1 1/8 (638)	4-6 1/4 (1378) 2-3 1/8 (689)	5-0 1/4 (1530) 2-6 1/8 (765)
RO (mm) RO Spln. (mm)	7-0 5/8 (2149) 5-3 25/32 (1620)	7-2 5/8 (2200) 5-3 49/64 (1620)	7-4 5/8 (2251) 5-3 3/4 (1619)	7-6 5/8 (2302) 5-3 51/64 (1620)	7-9 5/8 (2378) 5-3 49/64 (1620)
	UDHRTG2 3628 E	UDHRTG2 4028 E	UDHRTG2 4428 E	UDHRTG2 4828 E	UDHRTG2 5428 E
	7-4 5/8 (2251) 5-7 25/32 (1722)	7-6 5/8 (2302) 5-7 49/64 (1721)	7-8 5/8 (2353) 5-7 3/4 (1721)	7-10 5/8 (2403) 5-7 51/64 (1722)	8-1 5/8 (2480) 5-7 49/64 (1721)
	UDHRTG2 3630 E	UDHRTG2 4030 E	UDHRTG2 4430 E	UDHRTG2 4830 E	UDHRTG2 5430 E
	7-8 5/8 (2353) 5-11 25/32 (1823)	7-10 5/8 (2403) 5-11 49/64 (1823)	8-0 5/8 (2454) 5-11 3/4 (1822)	8-2 5/8 (2505) 5-11 51/64 (1823)	8-5 5/8 (2581) 5-11 49/64 (1823)
	UDHRTG2 3632 E	UDHRTG2 4032 E	UDHRTG2 4432 E	UDHRTG2 4832 E	UDHRTG2 5432 E
	8-0 5/8 (2454) 6-3 25/32 (1925)	8-2 5/8 (2505) 6-3 49/64 (1924)	8-4 5/8 (2556) 6-3 3/4 (1924)	8-6 5/8 (2607) 6-3 51/64 (1925)	8-9 5/8 (2683) 6-3 49/64 (1925)
	UDHRTG2 3634 E	UDHRTG2 4034 E	UDHRTG2 4434 E	UDHRTG2 4834 E	UDHRTG2 5434 E
	8-4 5/8 (2556) 6-7 25/32 (2026)	8-6 5/8 (2607) 6-7 49/64 (2026)	8-8 5/8 (2657) 6-7 3/4 (2025)	8-10 5/8 (2708) 6-7 51/64 (2027)	9-1 5/8 (2784) 6-7 49/64 (2026)
	UDHRTG2 3636 E	UDHRTG2 4036 E	UDHRTG2 4436 E	UDHRTG2 4836 E	UDHRTG2 5436 E
	9-0 5/8 (2758) 7-3 25/32 (2230)	9-2 5/8 (2810) 7-3 49/64 (2229)	9-4 5/8 (2861) 7-3 3/4 (2229)	9-6 5/8 (2911) 7-3 51/64 (2230)	9-9 5/8 (2988) 7-3 49/64 (2229)
	UDHRTG2 3640 E	UDHRTG2 4040 E	UDHRTG2 4440 E	UDHRTG2 4840 E	UDHRTG2 5440 E
	9-4 5/8 (2861) 7-7 25/32 (2331)	9-6 5/8 (2911) 7-7 49/64 (2331)	9-8 5/8 (2962) 7-7 3/4 (2330)	9-10 5/8 (3013) 7-7 51/64 (2331)	
	UDHRTG2 3642 E	UDHRTG2 4042 E	UDHRTG2 4442 E	UDHRTG2 4842 E	

DOUBLE HUNG ROUND TOP G2

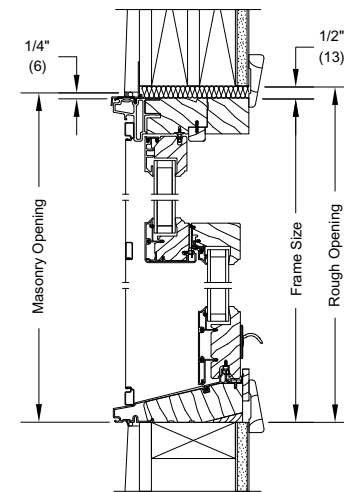
CONSTRUCTION DETAILS - OPERATOR



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)	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)
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)
RO (mm)	1-10 43/64 (576)	1-11 25/32 (604)	2-1 5/32 (639)	2-0 37/64 (624)	2-1 7/32 (640)
RO SpIn. (mm)	1-8 (508)	1-7 31/32 (507)	1-7 15/16 (506)	1-7 31/32 (507)	1-7 61/64 (507)
RO (mm)	2-6 43/64 (779)	2-7 25/32 (807)	2-9 5/32 (842)	2-8 37/64 (827)	2-9 7/32 (844)
RO SpIn. (mm)	2-4 (711)	2-3 31/32 (710)	2-3 15/16 (709)	2-3 31/32 (710)	2-3 61/64 (710)
RO (mm)	2-6 43/64 (779)	2-7 25/32 (807)	2-9 5/32 (842)	2-8 37/64 (827)	2-9 7/32 (844)
RO SpIn. (mm)	2-4 (711)	2-3 31/32 (710)	2-3 15/16 (709)	2-3 31/32 (710)	2-3 61/64 (710)

RO (mm)	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)
RO Rad. (mm)	2-6 1/2 (775)	3-4 1/2 (1029)	3-4 1/2 (1029)	3-4 1/2 (1029)	4-6 1/2 (1384)
RO (mm)	2-1 29/32 (658)	2-0 25/32 (630)	2-1 59/64 (658)	2-3 13/64 (691)	2-5 3/64 (738)
RO SpIn. (mm)	1-7 15/16 (507)	1-7 63/64 (508)	1-7 31/32 (507)	1-7 61/64 (507)	1-7 61/64 (507)
RO (mm)	2-9 29/32 (861)	2-8 25/32 (833)	2-9 59/64 (861)	2-11 13/64 (894)	3-1 3/64 (941)
RO SpIn. (mm)	2-3 15/16 (710)	2-3 63/64 (711)	2-3 31/32 (710)	2-3 61/64 (710)	2-3 61/64 (710)
RO (mm)	2-9 29/32 (861)	2-8 25/32 (833)	2-9 59/64 (861)	2-11 13/64 (894)	3-1 3/64 (941)
RO SpIn. (mm)	2-3 15/16 (710)	2-3 63/64 (711)	2-3 31/32 (710)	2-3 61/64 (710)	2-3 61/64 (710)

DOUBLE HUNG TRANSOM ROUND TOP G2

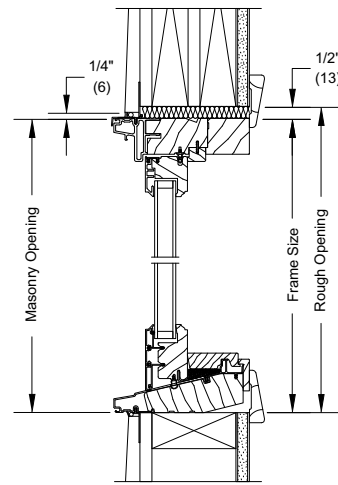
RT2 MINIMUM SPRINGLINE

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)
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)
RO (mm)	1-4 27/32 (428)	1-6 27/32 (479)	1-7 27/32 (504)	1-8 27/32 (529)	1-9 27/32 (555)
RO SpIn. (mm)	0-3 23/32 (94)	0-3 23/32 (94)	0-3 23/32 (94)	0-3 23/32 (94)	0-3 23/32 (94)
RO (mm)	1-4 27/32 (428)	1-6 27/32 (479)	1-7 27/32 (504)	1-8 27/32 (529)	1-9 27/32 (555)
RO SpIn. (mm)	0-3 23/32 (94)	0-3 23/32 (94)	0-3 23/32 (94)	0-3 23/32 (94)	0-3 23/32 (94)

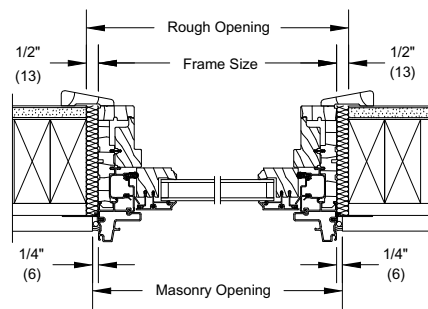
RO (mm)	3-2 1/4 (972)	3-6 1/4 (1073)	3-10 1/4 (1175)	5-0 1/4 (1530)
RO Rad. (mm)	1-7 1/8 (486)	1-9 1/8 (537)	1-11 1/8 (587)	2-6 1/8 (765)
RO (mm)	1-10 27/32 (580)	2-0 27/32 (631)	2-2 27/32 (682)	2-9 27/32 (860)
RO SpIn. (mm)	0-3 23/32 (94)	0-3 23/32 (94)	0-3 23/32 (94)	0-3 23/32 (94)
RO (mm)	1-10 27/32 (580)	2-0 27/32 (631)	2-2 27/32 (682)	2-9 27/32 (860)
RO SpIn. (mm)	0-3 23/32 (94)	0-3 23/32 (94)	0-3 23/32 (94)	0-3 23/32 (94)

RO (mm)	4-11 1/2 (1511)	5-7 1/2 (1715)	6-3 1/2 (1918)
RO Rad. (mm)	2-5 3/4 (756)	2-9 3/4 (857)	3-1 3/4 (959)
RO (mm)	2-9 15/32 (850)	3-1 15/32 (952)	3-5 15/32 (1053)
RO SpIn. (mm)	0-3 23/32 (94)	0-3 23/32 (94)	0-3 23/32 (94)
RO (mm)	2-9 15/32 (850)	3-1 15/32 (952)	3-5 15/32 (1053)
RO SpIn. (mm)	0-3 23/32 (94)	0-3 23/32 (94)	0-3 23/32 (94)

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

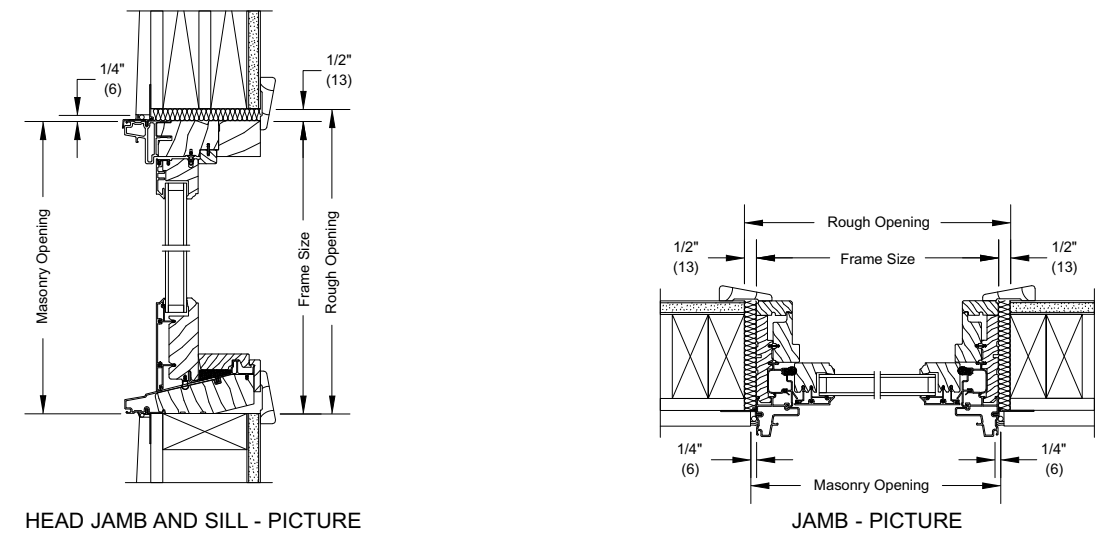
RO (mm)	3-6 1/4 (1073)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-2 1/4 (1581)	5-10 1/4 (1784)
RO Rad. (mm)	3-4 1/2 (1029)	3-4 1/2 (1029)	4-6 1/2 (1384)	6-0 1/2 (1842)	6-0 1/2 (1842)
RO (mm)	3-9 47/64 (1161)	4-0 31/64 (1231)	3-11 1/64 (1194)	3-10 27/32 (1190)	4-0 7/8 (1241)
RO Spn. (mm)	3-3 25/32 (1010)	3-3 3/4 (1009)	3-3 51/64 (1011)	3-3 13/16 (1011)	3-3 51/64 (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 (1296)	4-2 27/32 (1291)	4-4 7/8 (1343)
RO Spn. (mm)	3-7 25/32 (1112)	3-7 3/4 (1111)	3-7 51/64 (1112)	3-7 13/16 (1113)	3-7 51/64 (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 Spn. (mm)	3-11 25/32 (1214)	3-11 3/4 (1213)	3-11 51/64 (1214)	3-11 13/16 (1215)	3-11 51/64 (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 Spn. (mm)	4-3 25/32 (1315)	4-3 3/4 (1314)	4-3 51/64 (1315)	4-3 13/16 (1316)	4-3 51/64 (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 Spn. (mm)	4-7 25/32 (1417)	4-7 3/4 (1416)	4-7 51/64 (1417)	4-7 13/16 (1418)	4-7 51/64 (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 Spn. (mm)	4-11 25/32 (1518)	4-11 3/4 (1517)	4-11 51/64 (1519)	4-11 13/16 (1519)	4-11 51/64 (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 Spn. (mm)	5-3 25/32 (1620)	5-3 3/4 (1619)	5-3 51/64 (1620)	5-3 13/16 (1621)	5-3 51/64 (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 Spn. (mm)	5-7 25/32 (1722)	5-7 3/4 (1721)	5-7 51/64 (1722)	5-7 13/16 (1723)	5-7 51/64 (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 Spn. (mm)	5-11 25/32 (1823)	5-11 3/4 (1822)	5-11 51/64 (1823)	5-11 13/16 (1824)	5-11 51/64 (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 Spn. (mm)	6-3 25/32 (1925)	6-3 3/4 (1924)	6-3 51/64 (1925)	6-3 13/16 (1926)	6-3 51/64 (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 (2206)	7-4 7/8 (2257)
RO Spn. (mm)	6-7 25/32 (2026)	6-7 3/4 (2025)	6-7 51/64 (2027)	6-7 13/16 (2027)	6-7 51/64 (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 (2516)
RO Spn. (mm)	7-3 25/32 (2230)	7-3 3/4 (2229)	7-3 51/64 (2230)	7-3 13/16 (2231)	7-3 51/64 (2230)
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 (2516)
RO Spn. (mm)	7-7 25/32 (2331)	7-7 3/4 (2330)	7-7 51/64 (2331)	7-7 13/16 (2332)	7-7 51/64 (2331)
UDHPRTG2 4090		UDHPRTG2 4890	UDHPRTG2 5290	UDHPRTG2 6090	UDHPRTG2 6890

CONSTRUCTION DETAILS



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) RO Spn. (mm)	3-2 7/64 (968) 2-7 25/32 (807)	3-4 63/64 (1041) 2-7 47/64 (806)	3-4 39/64 (1031) 2-7 49/64 (807)	3-3 9/64 (994) 2-7 13/16 (808)	3-4 9/64 (1019) 2-7 51/64 (808)	3-5 7/32 (1047) 2-7 51/64 (808)
	USHRTG2 1612	USHRTG2 2012	USHRTG2 2412	USHRTG2 2612	USHRTG2 2812	USHRTG2 3012
	3-6 7/64 (1070) 2-11 25/32 (909)	3-8 63/64 (1142) 2-11 47/64 (908)	3-8 39/64 (1133) 2-11 49/64 (909)	3-7 9/64 (1096) 2-11 13/16 (910)	3-8 9/64 (1121) 2-11 51/64 (909)	3-9 7/32 (1149) 2-11 51/64 (909)
	USHRTG2 1614	USHRTG2 2014	USHRTG2 2414	USHRTG2 2614	USHRTG2 2814	USHRTG2 3014
	3-10 7/64 (1171) 3-3 25/32 (1010)	4-0 63/64 (1244) 3-3 47/64 (1009)	4-0 39/64 (1235) 3-3 49/64 (1010)	3-11 9/64 (1197) 3-3 13/16 (1011)	4-0 9/64 (1223) 3-3 51/64 (1011)	4-1 7/32 (1250) 3-3 51/64 (1011)
	USHRTG2 1616	USHRTG2 2016	USHRTG2 2416	USHRTG2 2616	USHRTG2 2816	USHRTG2 3016
	4-2 7/64 (1273) 3-7 25/32 (1112)	4-4 63/64 (1346) 3-7 47/64 (1111)	4-4 39/64 (1336) 3-7 49/64 (1112)	4-3 9/64 (1299) 3-7 13/16 (1113)	4-4 9/64 (1324) 3-7 51/64 (1113)	4-5 7/32 (1352) 3-7 51/64 (1112)
	USHRTG2 1618	USHRTG2 2018	USHRTG2 2418	USHRTG2 2618	USHRTG2 2818	USHRTG2 3018
	4-6 7/64 (1374) 3-11 25/32 (1213)	4-8 63/64 (1447) 3-11 47/64 (1213)	4-8 39/64 (1438) 3-11 49/64 (1213)	4-7 9/64 (1400) 3-11 13/16 (1214)	4-8 9/64 (1426) 3-11 51/64 (1214)	4-9 7/32 (1453) 3-11 51/64 (1214)
	USHRTG2 1620	USHRTG2 2020	USHRTG2 2420	USHRTG2 2620	USHRTG2 2820	USHRTG2 3020
	4-10 7/64 (1476) 4-3 25/32 (1315)	5-0 63/64 (1549) 4-3 47/64 (1314)	5-0 39/64 (1539) 4-3 49/64 (1315)	4-11 9/64 (1502) 4-3 13/16 (1316)	5-0 9/64 (1527) 4-3 51/64 (1316)	5-1 7/32 (1555) 4-3 51/64 (1316)
	USHRTG2 1622	USHRTG2 2022	USHRTG2 2422	USHRTG2 2622	USHRTG2 2822	USHRTG2 3022
	5-2 7/64 (1578) 4-7 25/32 (1417)	5-4 63/64 (1650) 4-7 47/64 (1416)	5-4 39/64 (1641) 4-7 49/64 (1417)	5-3 9/64 (1604) 4-7 13/16 (1418)	5-4 9/64 (1629) 4-7 51/64 (1417)	5-5 7/32 (1657) 4-7 51/64 (1417)
	USHRTG2 1624	USHRTG2 2024	USHRTG2 2424	USHRTG2 2624	USHRTG2 2824	USHRTG2 3024
	5-8 7/64 (1679) 4-11 25/32 (1518)	5-8 63/64 (1752) 4-11 47/64 (1517)	5-8 39/64 (1743) 4-11 49/64 (1518)	5-7 9/64 (1705) 4-11 13/16 (1519)	5-8 9/64 (1731) 4-11 51/64 (1519)	5-9 7/32 (1758) 4-11 51/64 (1519)
	USHRTG2 1626	USHRTG2 2026	USHRTG2 2426	USHRTG2 2626	USHRTG2 2826	USHRTG2 3026
	5-10 7/64 (1781) 5-3 25/32 (1620)	6-0 63/64 (1854) 5-3 47/64 (1619)	6-0 39/64 (1844) 5-3 49/64 (1620)	4-11 13/16 (1519) 5-3 13/16 (1621)	6-0 9/64 (1832) 5-3 51/64 (1621)	6-1 7/32 (1860) 5-3 51/64 (1620)
RO (mm) RO Spn. (mm)	USHRTG2 1628	USHRTG2 2028	USHRTG2 2428	USHRTG2 2628	USHRTG2 2828	USHRTG2 3028 E

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) RO Spn. (mm)	3-6 25/64 (1077) 2-7 25/32 (807)	3-6 53/64 (1088) 2-7 51/64 (808)	3-9 15/64 (1149) 2-7 49/64 (807)	3-7 7/8 (1115) 2-7 13/16 (808)	3-10 1/16 (1169) 2-7 13/16 (807)	4-1 3/4 (1262) 2-7 13/16 (807)
	USHRTG2 3212	USHRTG2 3612	USHRTG2 4012	USHRTG2 4412	USHRTG2 4812	USHRTG2 5412
	3-10 25/64 (1178) 2-11 25/32 (909)	3-10 53/64 (1189) 2-11 51/64 (909)	4-1 15/64 (1250) 2-11 49/64 (909)	3-11 7/8 (1216) 2-11 13/16 (909)	4-2 1/16 (1271) 2-11 13/16 (909)	4-5 3/4 (1364) 2-11 13/16 (909)
	USHRTG2 3214	USHRTG2 3614	USHRTG2 4014	USHRTG2 4414	USHRTG2 4814	USHRTG2 5414
	4-2 25/64 (1280) 3-3 25/32 (1010)	4-2 53/64 (1291) 3-3 51/64 (1011)	4-5 15/64 (1352) 3-3 49/64 (1010)	4-3 7/8 (1318) 3-3 13/16 (1011)	4-6 1/16 (1373) 3-3 13/16 (1011)	4-9 3/4 (1466) 3-3 13/16 (1010)
	USHRTG2 3216	USHRTG2 3616	USHRTG2 4016	USHRTG2 4416	USHRTG2 4816	USHRTG2 5416
	4-6 25/64 (1381) 3-7 25/32 (1112)	4-6 53/64 (1393) 3-7 51/64 (1112)	4-9 15/64 (1454) 3-7 49/64 (1112)	4-7 7/8 (1419) 3-7 13/16 (1113)	4-10 1/16 (1474) 3-7 13/16 (1112)	5-1 3/4 (1567) 3-7 13/16 (1112)
	USHRTG2 3218	USHRTG2 3618	USHRTG2 4018	USHRTG2 4418	USHRTG2 4818	USHRTG2 5418
	4-10 25/64 (1483) 3-11 25/32 (1214)	4-10 53/64 (1494) 3-11 51/64 (1214)	5-1 15/64 (1555) 3-11 49/64 (1213)	4-11 7/8 (1521) 3-11 13/16 (1214)	5-2 1/16 (1576) 3-11 13/16 (1214)	5-5 3/4 (1669) 3-11 13/16 (1213)
	USHRTG2 3220	USHRTG2 3620	USHRTG2 4020	USHRTG2 4420	USHRTG2 4820	USHRTG2 5420
	5-2 25/64 (1585) 4-3 25/32 (1315)	5-2 53/64 (1596) 4-3 51/64 (1316)	5-5 15/64 (1657) 4-3 49/64 (1315)	5-3 7/8 (1623) 4-3 13/16 (1316)	5-6 1/16 (1677) 4-3 13/16 (1315)	5-9 3/4 (1770) 4-3 13/16 (1315)
	USHRTG2 3222	USHRTG2 3622	USHRTG2 4022	USHRTG2 4422	USHRTG2 4822	USHRTG2 5422
	5-6 25/64 (1686) 4-7 25/32 (1417)	5-6 53/64 (1697) 4-7 51/64 (1417)	5-9 15/64 (1758) 4-7 49/64 (1417)	5-7 7/8 (1724) 4-7 13/16 (1417)	5-10 1/16 (1779) 4-7 13/16 (1417)	6-1 3/4 (1872) 4-7 13/16 (1417)
	USHRTG2 3224	USHRTG2 3624	USHRTG2 4024	USHRTG2 4424	USHRTG2 4824	USHRTG2 5424
	5-10 25/64 (1788) 4-11 25/32 (1518)	5-10 53/64 (1799) 4-11 51/64 (1519)	6-1 15/64 (1860) 4-11 49/64 (1518)	5-11 7/8 (1826) 4-11 13/16 (1519)	6-2 1/16 (1881) 4-11 13/16 (1519)	6-5 3/4 (1974) 4-11 13/16 (1518)
	USHRTG2 3226 E	USHRTG2 3626 E	USHRTG2 4026 E	USHRTG2 4426 E	USHRTG2 4826 E	USHRTG2 5426 E
	6-2 25/64 (1889) 5-3 25/32 (1620)	6-2 53/64 (1901) 5-3 51/64 (1620)	6-5 15/64 (1962) 5-3 49/64 (1620)	6-3 7/8 (1927) 5-3 13/16 (1621)	6-6 1/16 (1982) 5-3 13/16 (1620)	6-9 3/4 (2075) 5-3 13/16 (1620)
RO (mm) RO Spn. (mm)	USHRTG2 3228 E	USHRTG2 3628 E	USHRTG2 4028 E	USHRTG2 4428 E	USHRTG2 4828 E	USHRTG2 5428 E

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) RO Spln. (mm)	6-2 7/64 (1882) 5-7 25/32 (1721)	6-4 63/64 (1955) 5-7 47/64 (1721)	6-4 39/64 (1946) 5-7 49/64 (1721)	6-3 9/64 (1908) 5-7 13/16 (1722)	6-4 9/64 (1954) 5-7 51/64 (1722)	6-5 7/32 (1961) 5-7 51/64 (1722)
	USHRTG2 1630	USHRTG2 2030	USHRTG2 2430	USHRTG2 2630	USHRTG2 2830 E	USHRTG2 3030 E
	6-6 7/64 (1984) 5-11 25/32 (1823)	6-8 63/64 (2057) 5-11 47/64 (1822)	6-8 39/64 (2047) 5-11 49/64 (1823)	6-7 9/64 (2010) 5-11 13/16 (1824)	6-8 9/64 (2035) 5-11 51/64 (1824)	6-9 7/32 (2063) 5-11 51/64 (1824)
	USHRTG2 1632	USHRTG2 2032	USHRTG2 2432	USHRTG2 2632 E	USHRTG2 2832 E	USHRTG2 3032 E
	6-10 7/64 (2086) 6-3 25/32 (1925)	7-0 63/64 (2158) 6-3 47/64 (1924)	7-0 39/64 (2149) 6-3 49/64 (1925)	6-11 9/64 (2112) 6-3 13/16 (1926)	7-0 9/64 (2137) 6-3 51/64 (1925)	7-1 7/32 (2165) 6-3 51/64 (1925)
	USHRTG2 1634	USHRTG2 2034	USHRTG2 2434 E	USHRTG2 2634 E	USHRTG2 2834 E	USHRTG2 3034 E
	7-2 7/64 (2187) 6-7 25/32 (2026)	7-4 63/64 (2260) 6-7 47/64 (2025)	7-4 39/64 (2251) 6-7 49/64 (2026)	7-3 9/64 (2213) 6-7 13/16 (2027)	7-4 9/64 (2239) 6-7 51/64 (2027)	7-5 7/32 (2266) 6-7 51/64 (2027)
	USHRTG2 1636	USHRTG2 2036	USHRTG2 2436 E	USHRTG2 2636 E	USHRTG2 2836 E	USHRTG2 3036 E
	7-10 7/64 (2390) 7-3 25/32 (2229)	8-0 63/64 (2463) 7-3 47/64 (2229)	8-0 39/64 (2454) 7-3 49/64 (2229)	7-11 9/64 (2416) 7-3 13/16 (2230)	8-0 9/64 (2442) 7-3 51/64 (2230)	8-1 7/32 (2469) 7-3 51/64 (2230)
	USHRTG2 1640	USHRTG2 2040 E	USHRTG2 2440 E	USHRTG2 2640 E	USHRTG2 2840 E	USHRTG2 3040 E
	8-2 7/64 (2492) 7-7 25/32 (2331)	8-4 63/64 (2565) 7-7 47/64 (2330)	8-4 39/64 (2555) 7-7 49/64 (2331)	8-3 9/64 (2518) 7-7 13/16 (2332)	8-4 9/64 (2543) 7-7 51/64 (2332)	8-5 7/32 (2571) 7-7 51/64 (2332)
	USHRTG2 1642	USHRTG2 2042 E	USHRTG2 2442 E	USHRTG2 2642 E	USHRTG2 2842 E	USHRTG2 3042 E
RO (mm) RO Spln. (mm)	9-6 7/64 (2898) 8-11 25/32 (2737)	9-8 63/64 (2971) 8-11 47/64 (2737)	9-7 49/64 (2950) 8-11 49/64 (2737)	9-7 9/64 (2924) 8-11 13/16 (2738)	9-8 9/64 (2950) 8-11 51/64 (2738)	9-10 25/64 (3007) 8-11 25/32 (2738)
	USHRTG2 1650	USHRTG2 2050 E	USHRTG2 2450 E	USHRTG2 2650 E	USHRTG2 2850 E	USHRTG2 3050 E

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) RO Spln. (mm)	6-6 25/64 (1991) 5-11 25/32 (1722)	6-6 53/64 (2002) 5-7 51/64 (1722)	6-9 15/64 (2063) 5-7 49/64 (1721)	6-7 7/8 (2029) 5-7 13/16 (1722)	6-10 1/16 (2084) 5-7 13/16 (1722)	7-1 3/4 (2177) 5-7 13/16 (1721)
	USHRTG2 3230 E	USHRTG2 3630 E	USHRTG2 4030 E	USHRTG2 4430 E	USHRTG2 4830 E	USHRTG2 5430 E
	6-10 25/64 (2093) 5-11 25/32 (1823)	6-10 53/64 (2104) 5-11 51/64 (1824)	7-1 15/64 (2165) 5-11 49/64 (1823)	6-11 7/8 (2131) 5-11 13/16 (1824)	7-2 1/16 (2185) 5-11 13/16 (1823)	7-5 3/4 (2278) 5-11 13/16 (1823)
	USHRTG2 3232 E	USHRTG2 3632 E	USHRTG2 4032 E	USHRTG2 4432 E	USHRTG2 4832 E	USHRTG2 5432 E
	7-2 25/64 (2194) 6-3 25/32 (1925)	7-2 53/64 (2205) 6-3 51/64 (1925)	7-5 15/64 (2266) 6-3 49/64 (1925)	7-3 7/8 (2232) 6-3 13/16 (1925)	7-6 1/16 (2287) 6-3 13/16 (1925)	7-9 3/4 (2380) 6-3 13/16 (1925)
	USHRTG2 3234 E	USHRTG2 3634 E	USHRTG2 4034 E	USHRTG2 4434 E	USHRTG2 4834 E	USHRTG2 5434 E
	7-6 25/64 (2296) 6-7 25/32 (2026)	7-6 53/64 (2307) 6-7 51/64 (2027)	7-9 15/64 (2368) 6-7 49/64 (2026)	7-7 7/8 (2334) 6-7 13/16 (2027)	7-10 1/16 (2389) 6-7 13/16 (2027)	8-1 3/4 (2482) 6-7 13/16 (2026)
	USHRTG2 3236 E	USHRTG2 3636 E	USHRTG2 4036 E	USHRTG2 4436 E	USHRTG2 4836 E	USHRTG2 5436 E
	8-2 25/64 (2499) 7-3 25/32 (2230)	8-2 53/64 (2510) 7-3 51/64 (2230)	8-5 15/64 (2571) 7-3 49/64 (2229)	8-3 7/8 (2537) 7-3 13/16 (2230)	8-6 1/16 (2592) 7-3 13/16 (2230)	8-9 3/4 (2685) 7-3 13/16 (2229)
	USHRTG2 3240 E	USHRTG2 3640 E	USHRTG2 4040 E	USHRTG2 4440 E	USHRTG2 4840 E	USHRTG2 5440 E
	8-6 25/64 (2601) 7-7 25/32 (2331)	8-6 53/64 (2612) 7-7 51/64 (2332)	8-9 15/64 (2673) 7-7 49/64 (2331)	8-7 7/8 (2639) 7-7 13/16 (2332)	8-10 1/16 (2693) 7-7 13/16 (2331)	9-1 3/4 (2786) 7-7 13/16 (2331)
	USHRTG2 3242 E	USHRTG2 3642 E	USHRTG2 4042 E	USHRTG2 4442 E	USHRTG2 4842 E	USHRTG2 5442 E
RO (mm) RO Spln. (mm)	9-10 25/64 (3007) 8-11 25/32 (2738)	9-10 53/64 (3018) 8-11 51/64 (2738)	9-11 7/8 (3045) 8-11 13/16 (2738)	9-11 7/8 (3045) 8-11 13/16 (2738)	9-11 7/8 (3045) 8-11 13/16 (2738)	9-11 7/8 (3045) 8-11 13/16 (2738)
	USHRTG2 3250 E	USHRTG2 3650 E	USHRTG2 4450 E	USHRTG2 4450 E	USHRTG2 4450 E	USHRTG2 4450 E

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)	2-0 1/2 (622)	2-6 1/2 (775)	2-6 1/2 (775)	2-6 1/2 (775)	3-4 1/2 (1029)	3-4 1/2 (1029)
RO (mm)	1-0 1/2 (318)	1-6 1/2 (470)	2-0 1/2 (622)	3-0 1/2 (827)	4-0 1/2 (1232)	5-0 1/2 (1537)	6-0 1/2 (1842)
RO Spln. (mm)	0-8 5/8 (219)	1-2 5/8 (371)	1-8 5/8 (524)	2-8 5/8 (829)	3-8 5/8 (1133)	4-8 5/8 (1438)	5-8 5/8 (1743)
RO (mm)	0-7 7/8 (183)	1-1 7/8 (336)	1-7 7/8 (488)	2-7 7/8 (793)	3-7 7/8 (1098)	4-7 7/8 (1403)	5-7 7/8 (1707)
RO Spln. (mm)	0-7 7/8 (183)	1-1 7/8 (336)	1-7 7/8 (488)	2-7 7/8 (793)	3-7 7/8 (1098)	4-7 7/8 (1403)	5-7 7/8 (1707)
RO (mm)	0-7 7/8 (200)	1-1 7/8 (352)	1-7 7/8 (505)	2-7 7/8 (810)	3-7 7/8 (1114)	4-7 7/8 (1419)	5-7 7/8 (1724)
RO Spln. (mm)	0-7 7/8 (200)	1-1 7/8 (352)	1-7 7/8 (505)	2-7 7/8 (810)	3-7 7/8 (1114)	4-7 7/8 (1419)	5-7 7/8 (1724)
RO (mm)	0-7 3/16 (183)	1-1 3/16 (335)	1-7 3/16 (487)	2-7 3/16 (792)	3-7 3/16 (1097)	4-7 3/16 (1402)	5-7 3/16 (1707)
RO Spln. (mm)	0-7 3/16 (183)	1-1 3/16 (335)	1-7 3/16 (487)	2-7 3/16 (792)	3-7 3/16 (1097)	4-7 3/16 (1402)	5-7 3/16 (1707)
RO (mm)	0-6 1/2 (165)	1-0 1/2 (318)	1-6 1/2 (470)	2-6 1/2 (775)	3-6 1/2 (1080)	4-6 1/2 (1384)	5-6 1/2 (1689)
RO Spln. (mm)	0-6 1/2 (165)	1-0 1/2 (318)	1-6 1/2 (470)	2-6 1/2 (775)	3-6 1/2 (1080)	4-6 1/2 (1384)	5-6 1/2 (1689)
RO (mm)	0-7 11/16 (195)	1-1 11/16 (348)	1-7 11/16 (500)	2-7 11/16 (805)	3-7 11/16 (1110)	4-7 11/16 (1414)	5-7 11/16 (1719)
RO Spln. (mm)	0-7 11/16 (195)	1-1 11/16 (348)	1-7 11/16 (500)	2-7 11/16 (805)	3-7 11/16 (1110)	4-7 11/16 (1414)	5-7 11/16 (1719)
RO (mm)	0-6 1/2 (165)	1-0 1/2 (318)	1-6 1/2 (470)	2-6 1/2 (775)	3-6 1/2 (1080)	4-6 1/2 (1384)	5-6 1/2 (1689)
RO Spln. (mm)	0-6 1/2 (165)	1-0 1/2 (318)	1-6 1/2 (470)	2-6 1/2 (775)	3-6 1/2 (1080)	4-6 1/2 (1384)	5-6 1/2 (1689)

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)	3-4 1/2 (1029)	4-6 1/2 (1384)	6-0 1/2 (1842)	6-0 1/2 (1842)
RO (mm)	1-6 1/2 (470)	2-0 1/2 (622)	3-0 1/2 (827)	4-0 1/2 (1232)	5-0 1/2 (1537)
RO Spln. (mm)	0-11 7/32 (285)	1-5 7/32 (437)	2-5 7/32 (742)	3-5 7/32 (1047)	4-5 7/32 (1352)
RO (mm)	0-9 5/32 (233)	1-3 5/32 (385)	2-3 5/32 (690)	3-3 5/32 (995)	4-3 5/32 (1299)
RO Spln. (mm)	0-9 5/32 (233)	1-3 5/32 (385)	2-3 5/32 (690)	3-3 5/32 (995)	4-3 5/32 (1299)
RO (mm)	0-9 9/16 (243)	1-3 9/16 (395)	2-3 9/16 (700)	3-3 9/16 (1005)	4-3 9/16 (1310)
RO Spln. (mm)	0-9 9/16 (243)	1-3 9/16 (395)	2-3 9/16 (700)	3-3 9/16 (1005)	4-3 9/16 (1310)
RO (mm)	0-10 1/8 (257)	1-4 1/8 (410)	2-4 1/8 (714)	3-4 1/8 (1019)	4-4 1/8 (1324)
RO Spln. (mm)	0-10 1/8 (257)	1-4 1/8 (410)	2-4 1/8 (714)	3-4 1/8 (1019)	4-4 1/8 (1324)
RO (mm)	0-7 13/16 (198)	1-1 13/16 (351)	2-1 13/16 (656)	3-1 13/16 (960)	4-1 13/16 (1265)
RO Spln. (mm)	0-7 13/16 (198)	1-1 13/16 (351)	2-1 13/16 (656)	3-1 13/16 (960)	4-1 13/16 (1265)

Details and Elevations not to scale.
 E These windows meet national Egress codes for fire evacuation.
 Local codes may differ.

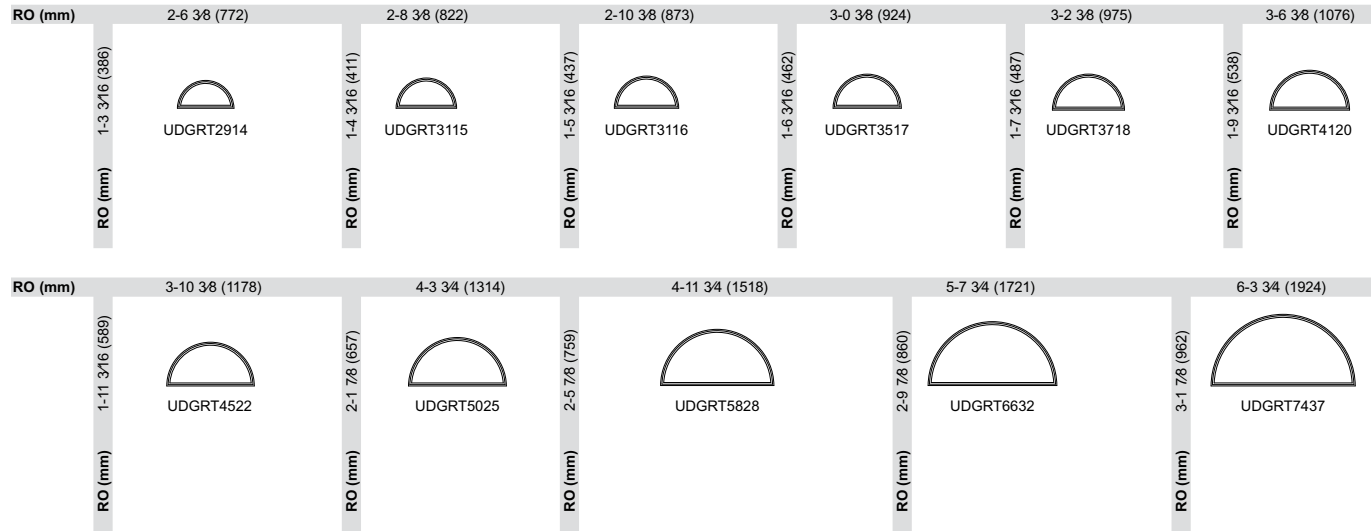
Please consult your local Marvin representative for masonry openings that include casings and subsills.

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

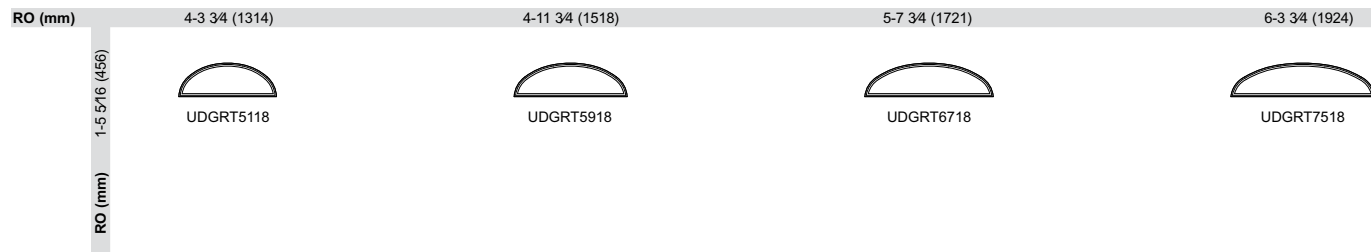
Ultimate Direct Glaze Round Top: UDGR

DIRECT GLAZE ROUND TOP – DOUBLE HUNG

RT1 TRUE HALF CIRCLE STANDARD SIZES - DIRECT GLAZE

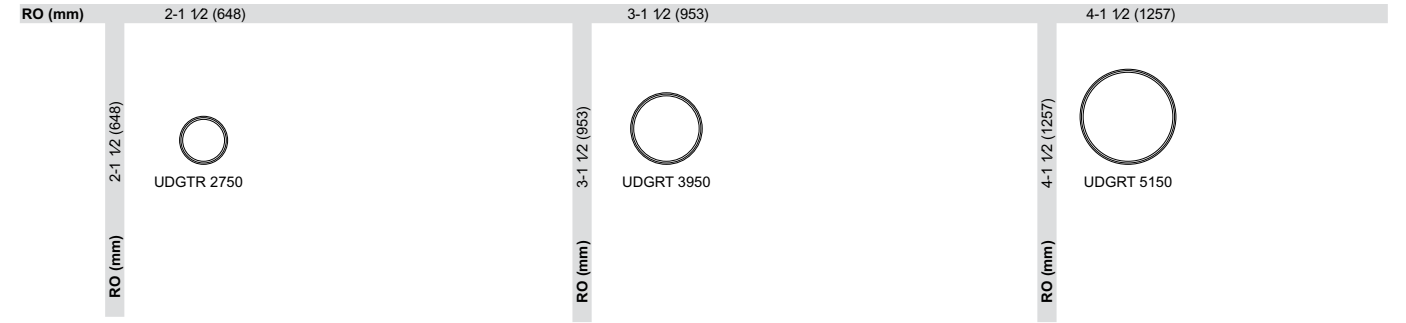


RT29 ELLIPTICAL STANDARD SIZES - DIRECT GLAZE

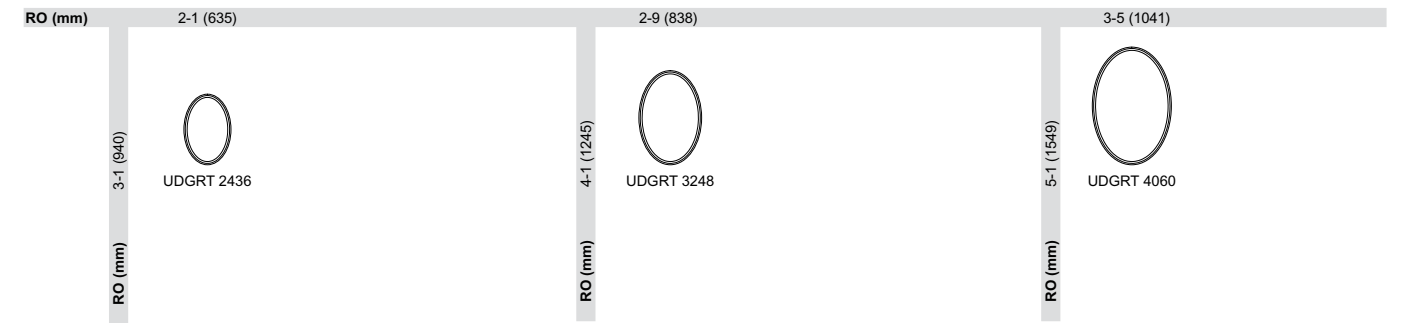


DIRECT GLAZE ROUND TOP – DOUBLE HUNG

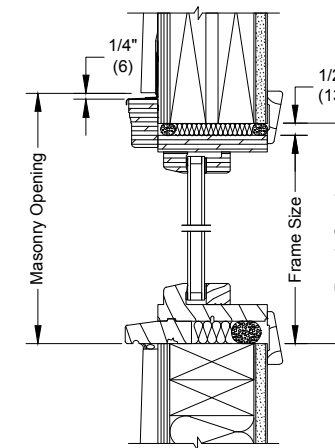
RT27 FULL CIRCLE STANDARD SIZES - DIRECT GLAZE



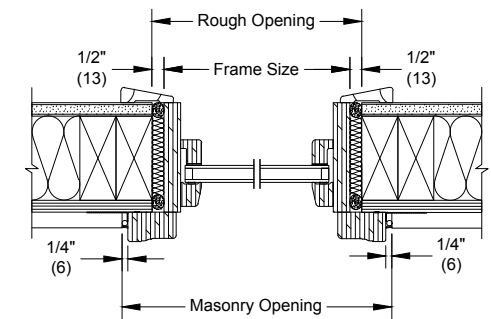
RT28 FULL ELLIPSE STANDARD SIZES - DIRECT GLAZE



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

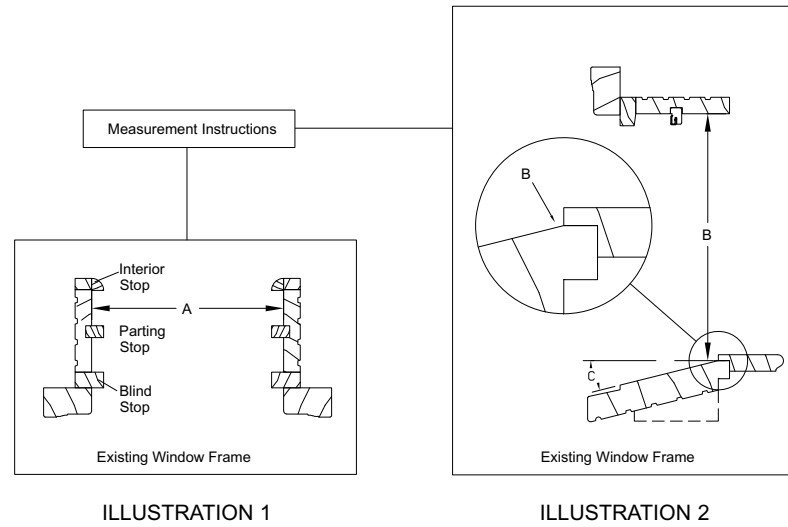
1. For Inside Opening Width (A) measure inside of frame at three locations: the sill, the center, and the head jamb. Record the narrowest measurement. Do not measure from parting stops or blind stops. See illustration 1.

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

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.

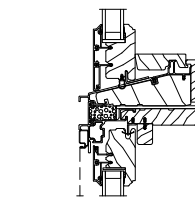
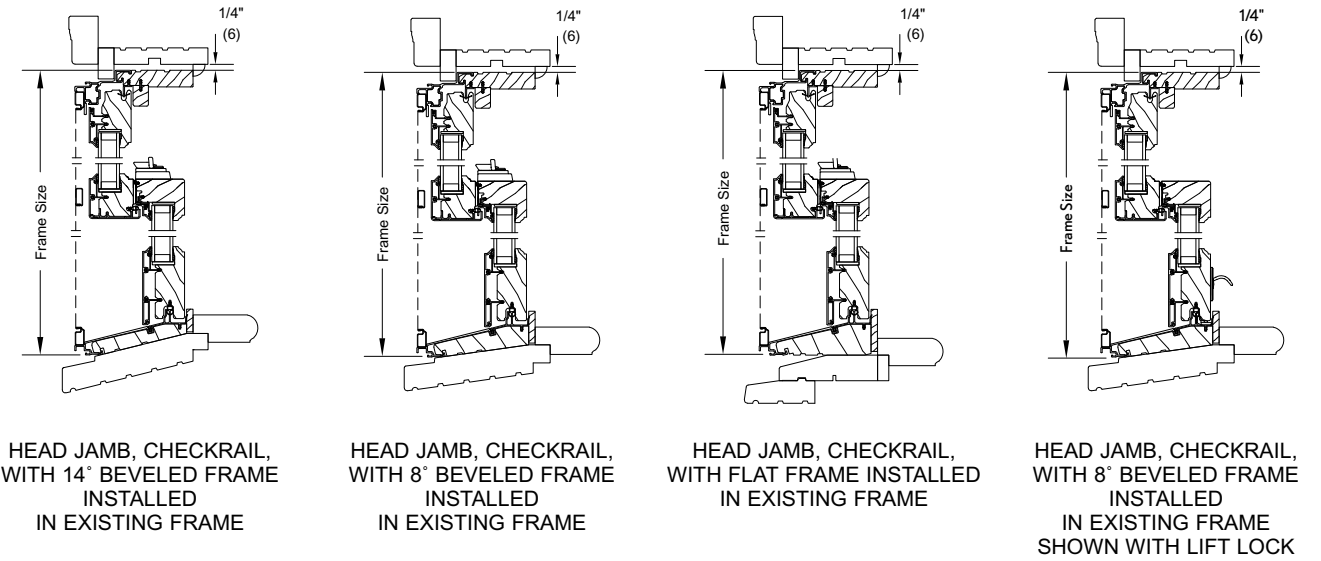
3. Check the Sill Angle (C). Record the sill angle to the nearest degree. See illustration 2.

Note: 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.

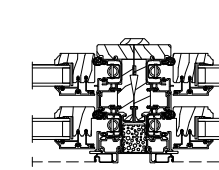


DOUBLE HUNG INSERT G2

CONSTRUCTION DETAILS

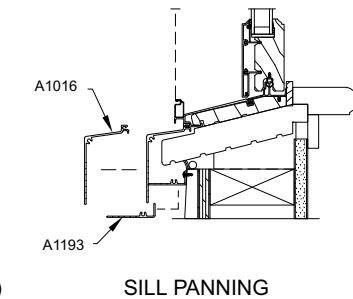
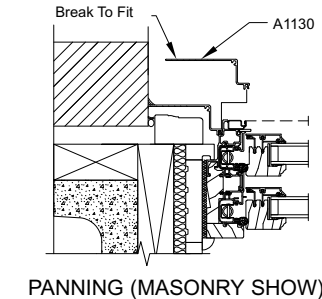
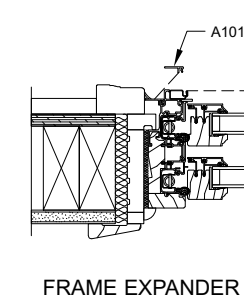
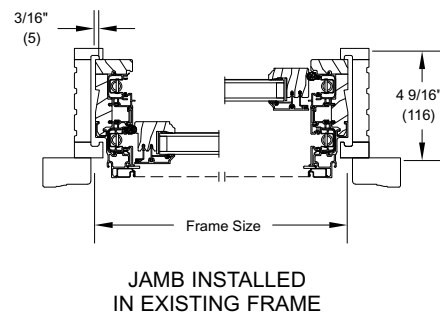
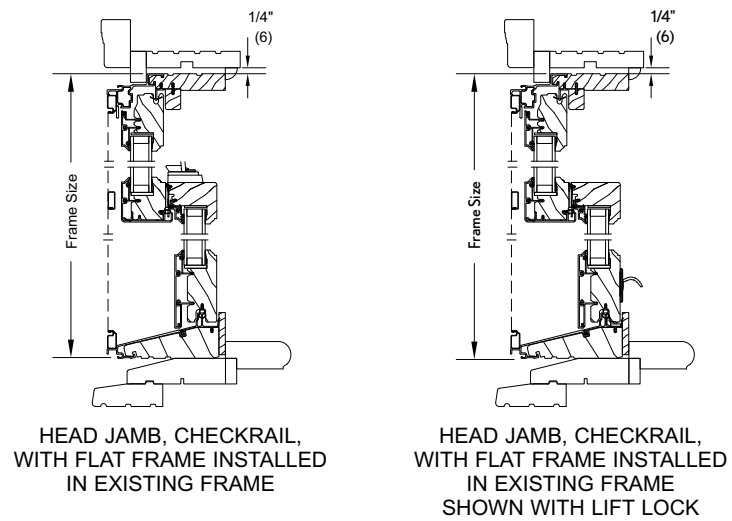


HORIZONTAL MULLION TRANSOM/OPERATOR



VERTICAL MULLION OPERATOR

CONSTRUCTION DETAILS



Details and Elevations not to scale.

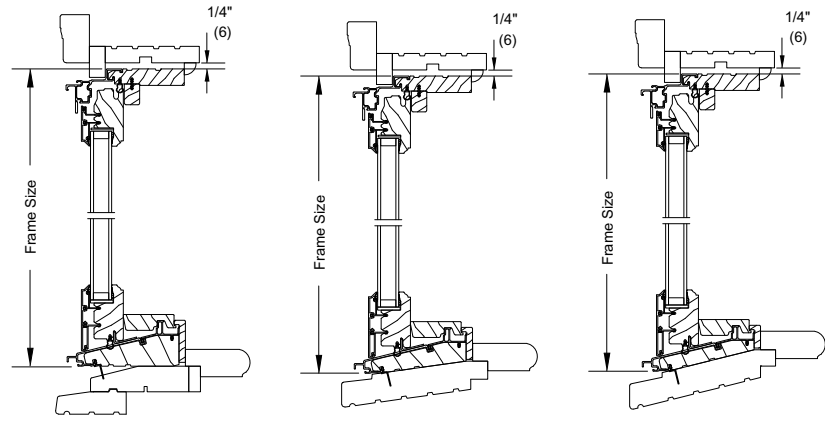
- Ultimate Double Hung Insert G2 Windows are manufactured to your specifications. For additional information, contact your local Marvin representative.

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

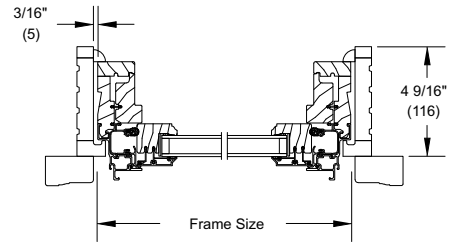
CONSTRUCTION DETAILS



TRANSOM HEAD JAMB WITH FLAT FRAME INSTALLED IN EXISTING FRAME

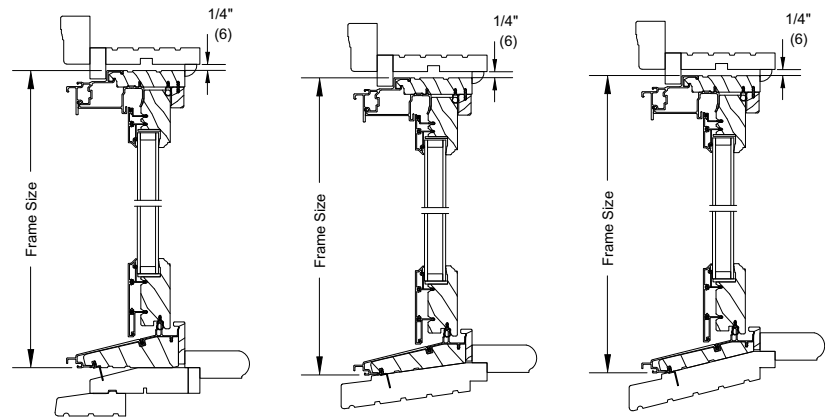
TRANSOM HEAD JAMB WITH 8° BEVELED FRAME INSTALLED IN EXISTING FRAME

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



TRANSOM JAMB INSTALLED IN EXISTING FRAME

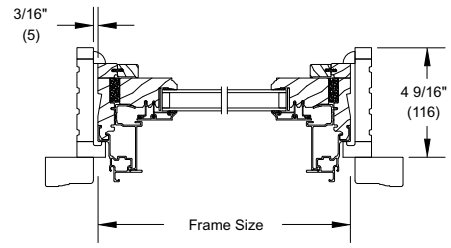
CONSTRUCTION DETAILS - PICTURE



PICTURE HEAD JAMB WITH FLAT FRAME INSTALLED IN EXISTING FRAME

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

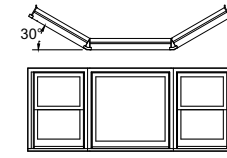
PICTURE HEAD JAMB WITH 14° BEVELED FRAME INSTALLED IN EXISTING FRAME



PICTURE JAMB INSTALLED IN EXISTING FRAME

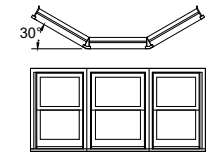
WOOD DOUBLE HUNG BAY

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)

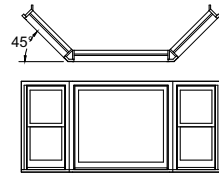
30° ULTIMATE WOOD DOUBLE HUNG BAY WITH OPERATOR CENTER UNIT



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)

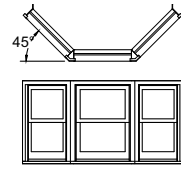
WOOD DOUBLE HUNG BAY

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)

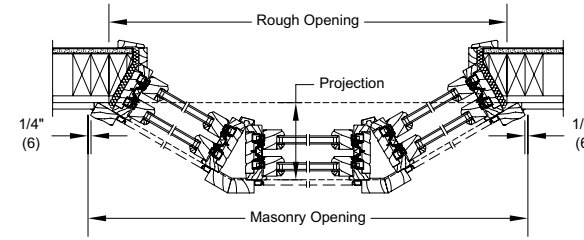
45° ULTIMATE WOOD DOUBLE HUNG BAY WITH OPERATOR CENTER UNIT



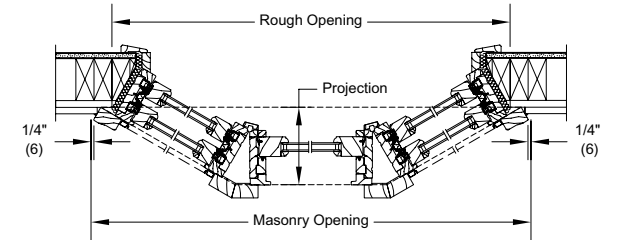
UNIT NO. (WIDTH)	ROUGH OPENING (WIDTH)	PROJECTION
16-16-16	4-9 3/16 (1453)	17 3/8" (441)
16-20-16	5-1 3/16 (1554)	17 3/8" (441)
16-24-16	5-5 3/16 (1656)	17 3/8" (441)
16-26-16	5-7 3/16 (1707)	17 3/8" (441)
16-28-16	5-9 3/16 (1758)	17 3/8" (441)
16-30-16	5-11 3/16 (1808)	17 3/8" (441)
16-32-16	6-1 3/16 (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

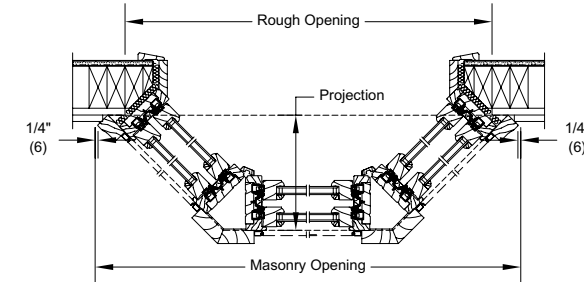
CONSTRUCTION DETAILS



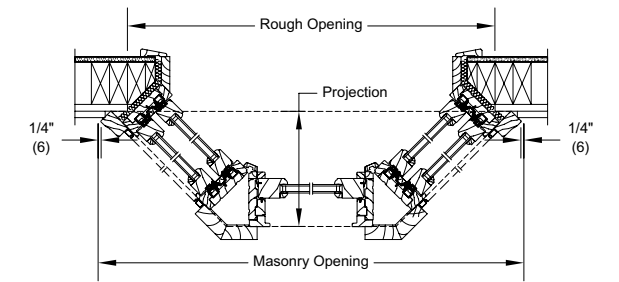
30° ULTIMATE WOOD DOUBLE HUNG BAY JAMB WITH OPERATOR CENTER UNIT



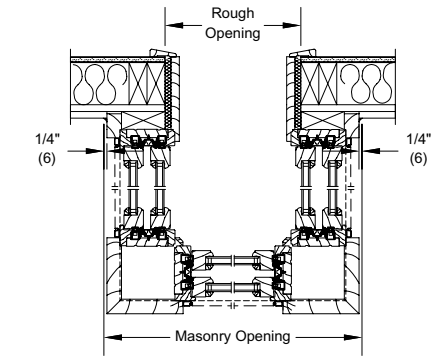
30° ULTIMATE WOOD DOUBLE HUNG BAY JAMB WITH PICTURE CENTER UNIT



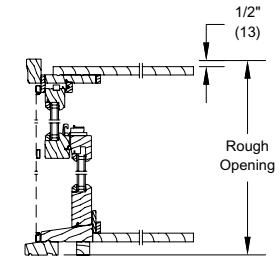
45° ULTIMATE WOOD DOUBLE HUNG BAY JAMB WITH OPERATOR CENTER UNIT



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

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)

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

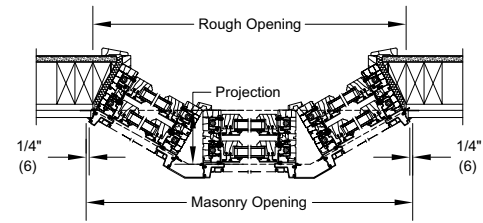
ROUGH OPENING HEIGHTS

UNIT NO. (HEIGHT)	ROUGH OPENING
16	3-6 3/16 (1073)
18	3-10 3/16 (1175)
20	4-2 3/16 (1276)
22	4-6 3/16 (1378)
24	4-10 3/16 (1480)
26	5-2 3/16 (1581)
28	5-6 3/16 (1683)
30	5-10 3/16 (1784)
32	6-2 3/16 (1886)
34	6-6 3/16 (1988)
36	6-10 3/16 (2089)

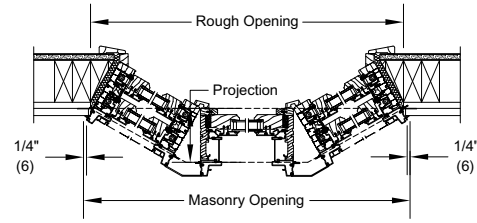
Details and Elevations not to scale.
 • Above dimensions include head and seat boards.
 If no head/seat board, deduct 1 1/16" (17) in rough opening height.
 Please consult your local Marvin representative for more information.
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

DOUBLE HUNG BAY G2

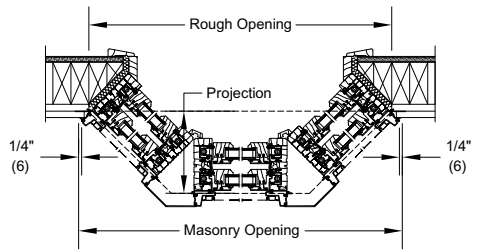
CONSTRUCTION DETAILS



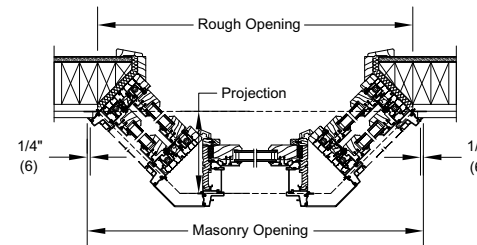
30° ULTIMATE DOUBLE HUNG G2 BAY
JAMB DETAIL WITH OPERATOR CENTER UNIT



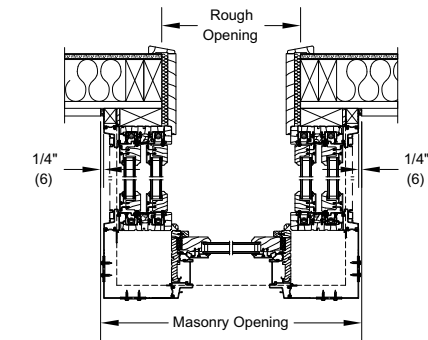
30° ULTIMATE DOUBLE HUNG G2 BAY
JAMB DETAIL WITH PICTURE CENTER UNIT



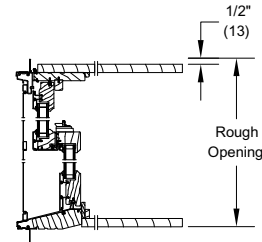
45° ULTIMATE DOUBLE HUNG G2 BAY
JAMB DETAIL WITH OPERATOR CENTER UNIT



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



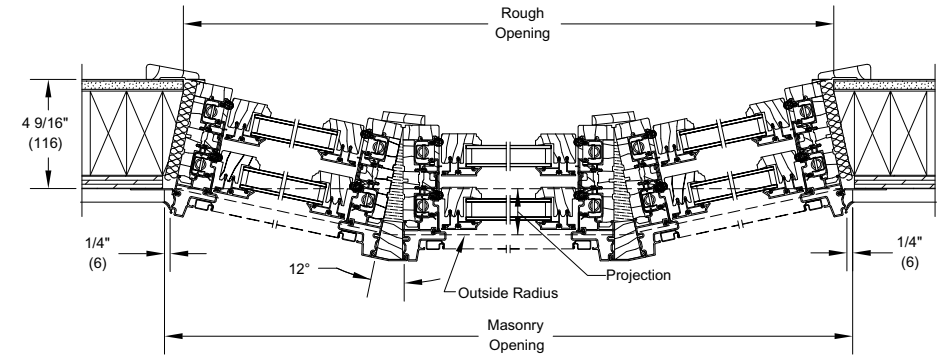
90° ULTIMATE DOUBLE HUNG G2 BAY
JAMB DETAIL WITH PICTURE CENTER UNIT



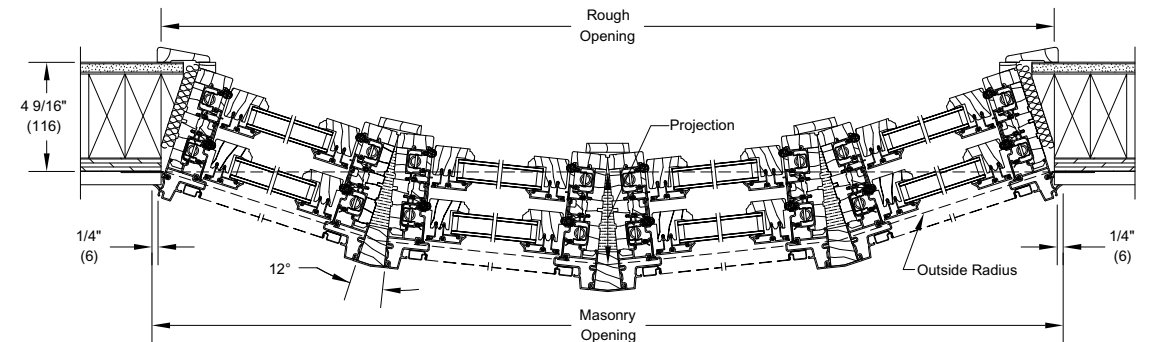
ULTIMATE DOUBLE HUNG G2 BAY
HEAD JAMB AND SILL DETAIL

DOUBLE HUNG BOW G2

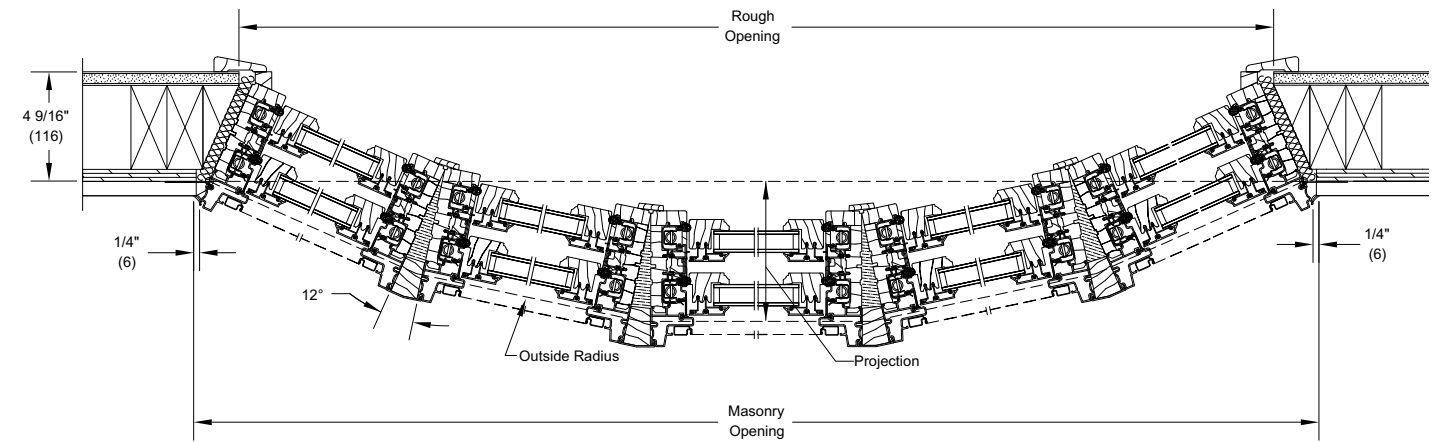
CONSTRUCTION DETAILS



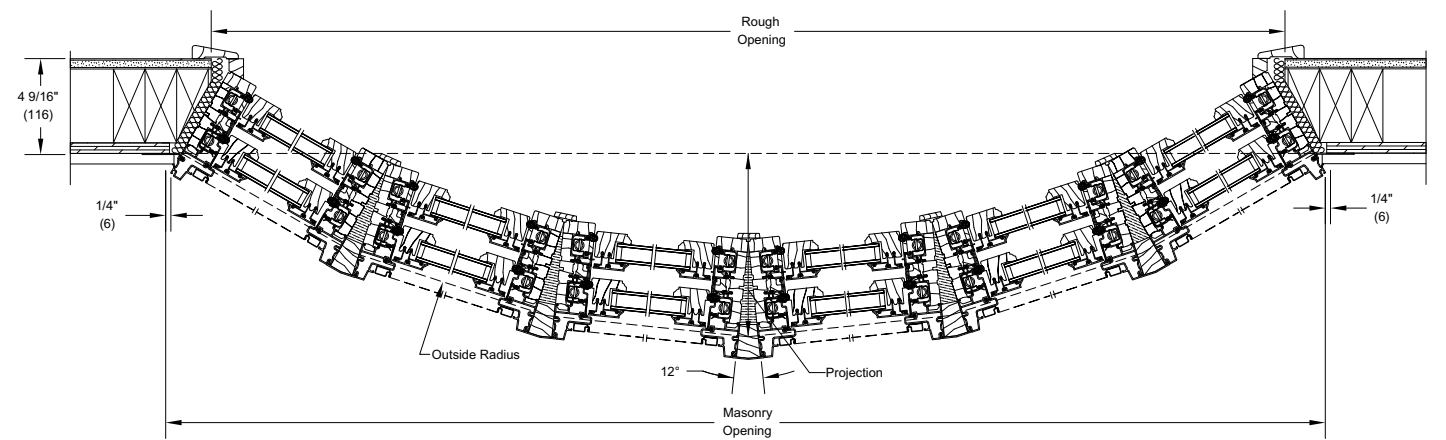
JAMB DETAIL - 3 WIDE



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 - 4 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 (605)										
1 - 6 9/16 (472)										
1 - 6 1/16 (459)										
0 - 11 21/64 (288)										
1 - 9 7/8 (656)										
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 - 7 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.

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.

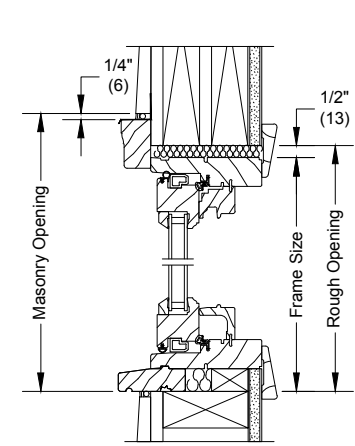
WOOD CASEMENT / WOOD CASEMENT PUSH OUT

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)

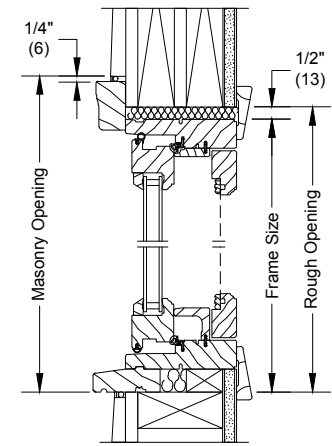
6 - 1 7/8 (1876) 6 - 9/16 (1843) 6 - 1/16 (1830) 5 - 5 21/64 (1659)										
	UWCA1672 T UWCAPO1672 T	UWCA1872 T UWCAPO1872 T	UWCA2072 T UWCAPO2072 T	UWCA2472 T UWCAPO2472 T	UWCA2672 T UWCAPO2672 T	UWCA2872 ET UWCAPO2872 ET	UWCA3072 ET UWCAPO3072 ET	UWCA3272 ET UWCAPO3272 ET	UWCA3672 ET UWCAPO3672 ET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

WOOD CASEMENT / WOOD CASEMENT PUSH OUT

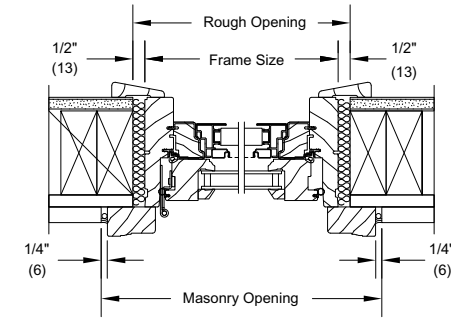
CONSTRUCTION DETAILS



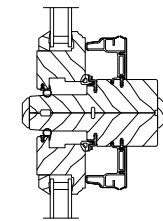
CRANKOUT HEAD JAMB AND SILL - OPERATOR WITH OPTIONAL SCREEN



PUSH OUT HEAD JAMB AND SILL - OPERATOR WITH OPTIONAL SCREEN



JAMB - OPERATOR



HORIZONTAL MULLION OPERATOR

CASEMENT / CASEMENT PUSH OUT

MO (mm)	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)
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 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)	UCA1614	UCA1814	UCA2014	UCA2414	UCA2614	UCA2814	UCA3014	UCA3214	UCA3614	UCA4014
1 - 1 5/8 (346)	UCA1616	UCA1816	UCA2016	UCA2416	UCA2616	UCA2816	UCA3016	UCA3216	UCA3616	UCA4016
1 - 3 3/8 (390)	UCA1618	UCA1818	UCA2018	UCA2418	UCA2618	UCA2818	UCA3018	UCA3218	UCA3618	UCA4018
1 - 3 5/8 (386)	UCA1620	UCA1820	UCA2020	UCA2420	UCA2620	UCA2820	UCA3020	UCA3220	UCA3620	UCA4020
1 - 3 7/8 (384)	UCA1624	UCA1824	UCA2024	UCA2424	UCA2624	UCA2824	UCA3024	UCA3224	UCA3624	UCA4024
1 - 5 3/8 (441)	UCA1628	UCA1828	UCA2028	UCA2428	UCA2628	UCA2828	UCA3028	UCA3228	UCA3628	UCA4028
1 - 5 5/8 (447)	UCA1632	UCA1832	UCA2032	UCA2432	UCA2632	UCA2832	UCA3032	UCA3232	UCA3632	UCA4032 E
1 - 5 7/8 (486)	UCA1636	UCA1836	UCA2036	UCA2436	UCA2636	UCA2836	UCA3036	UCA3236	UCA3636 E	UCA4036 E
1 - 7 1/8 (485)	UCA1640	UCA1840	UCA2040	UCA2440	UCA2640	UCA2840	UCA3040	UCA3240 E	UCA3640 E	UCA4040 E
1 - 7 3/8 (492)	UCA1644	UCA1844	UCA2044	UCA2444	UCA2644	UCA2844	UCA3044 E	UCA3244 E	UCA3644 E	UCA4044 E
1 - 7 5/8 (498)	UCA1648	UCA1848	UCA2048	UCA2448	UCA2648	UCA2848	UCA3048 E	UCA3248 E	UCA3648 E	UCA4048 E
1 - 7 7/8 (495)	UCA1652	UCA1852	UCA2052	UCA2452	UCA2652	UCA2852	UCA3052 E	UCA3252 E	UCA3652 E	UCA4052 E
1 - 7 9/8 (493)	UCA1656	UCA1856	UCA2056	UCA2456	UCA2656	UCA2856 E	UCA3056 E	UCA3256 E	UCA3656 E	UCA4056 E
1 - 7 11/8 (490)	UCA1660	UCA1860	UCA2060	UCA2460	UCA2660	UCA2860 E	UCA3060 E	UCA3260 E	UCA3660 E	UCA4060 E
1 - 7 13/8 (487)	UCA1664	UCA1864	UCA2064	UCA2464	UCA2664	UCA2864 E	UCA3064 E	UCA3264 E	UCA3664 E	UCA4064 E
1 - 7 15/8 (484)	UCA1668	UCA1868	UCA2068	UCA2468	UCA2668	UCA2868 E	UCA3068 E	UCA3268 E	UCA3668 E	UCA4068 E
1 - 7 17/8 (481)	UCA1672 T	UCA1872 T	UCA2072 T	UCA2472 T	UCA2672 T	UCA2872 ET	UCA3072 ET	UCA3272 ET	UCA3672 ET	UCA4072 ET
1 - 7 19/8 (478)	UCA1676 T	UCA1876 T	UCA2076 T	UCA2476 T	UCA2676 T	UCA2876 ET	UCA3076 ET	UCA3276 ET	UCA3676 ET	UCA4076 ET
1 - 7 21/8 (475)	UCA1680 T	UCA1880 T	UCA2080 T	UCA2480 T	UCA2680 T	UCA2880 ET	UCA3080 ET	UCA3280 ET	UCA3680 ET	UCA4080 ET
1 - 7 23/8 (472)	UCA1684 T	UCA1884 T	UCA2084 T	UCA2484 T	UCA2684 T	UCA2884 ET	UCA3084 ET	UCA3284 ET	UCA3684 ET	UCA4084 ET
1 - 7 25/8 (469)	UCA1688 T	UCA1888 T	UCA2088 T	UCA2488 T	UCA2688 T	UCA2888 ET	UCA3088 ET	UCA3288 ET	UCA3688 ET	UCA4088 ET
1 - 7 27/8 (466)	UCA1692 T	UCA1892 T	UCA2092 T	UCA2492 T	UCA2692 T	UCA2892 ET	UCA3092 ET	UCA3292 ET	UCA3692 ET	UCA4092 ET
1 - 7 29/8 (463)	UCA1696 T	UCA1896 T	UCA2096 T	UCA2496 T	UCA2696 T	UCA2896 ET	UCA3096 ET	UCA3296 ET	UCA3696 ET	UCA4096 ET
1 - 7 31/8 (460)	UCA1700 T	UCA1900 T	UCA2100 T	UCA2500 T	UCA2700 T	UCA2900 ET	UCA3100 ET	UCA3300 ET	UCA3700 ET	UCA4100 ET
1 - 7 33/8 (457)	UCA1704 T	UCA1904 T	UCA2104 T	UCA2504 T	UCA2704 T	UCA2904 ET	UCA3104 ET	UCA3304 ET	UCA3704 ET	UCA4104 ET
1 - 7 35/8 (454)	UCA1708 T	UCA1908 T	UCA2108 T	UCA2508 T	UCA2708 T	UCA2908 ET	UCA3108 ET	UCA3308 ET	UCA3708 ET	UCA4108 ET
1 - 7 37/8 (451)	UCA1712 T	UCA1912 T	UCA2112 T	UCA2512 T	UCA2712 T	UCA2912 ET	UCA3112 ET	UCA3312 ET	UCA3712 ET	UCA4112 ET
1 - 7 39/8 (448)	UCA1716 T	UCA1916 T	UCA2116 T	UCA2516 T	UCA2716 T	UCA2916 ET	UCA3116 ET	UCA3316 ET	UCA3716 ET	UCA4116 ET
1 - 7 41/8 (445)	UCA1720 T	UCA1920 T	UCA2120 T	UCA2520 T	UCA2720 T	UCA2920 ET	UCA3120 ET	UCA3320 ET	UCA3720 ET	UCA4120 ET
1 - 7 43/8 (442)	UCA1724 T	UCA1924 T	UCA2124 T	UCA2524 T	UCA2724 T	UCA2924 ET	UCA3124 ET	UCA3324 ET	UCA3724 ET	UCA4124 ET
1 - 7 45/8 (439)	UCA1728 T	UCA1928 T	UCA2128 T	UCA2528 T	UCA2728 T	UCA2928 ET	UCA3128 ET	UCA3328 ET	UCA3728 ET	UCA4128 ET
1 - 7 47/8 (436)	UCA1732 T	UCA1932 T	UCA2132 T	UCA2532 T	UCA2732 T	UCA2932 ET	UCA3132 ET	UCA3332 ET	UCA3732 ET	UCA4132 ET
1 - 7 49/8 (433)	UCA1736 T	UCA1936 T	UCA2136 T	UCA2536 T	UCA2736 T	UCA2936 ET	UCA3136 ET	UCA3336 ET	UCA3736 ET	UCA4136 ET
1 - 7 51/8 (430)	UCA1740 T	UCA1940 T	UCA2140 T	UCA2540 T	UCA2740 T	UCA2940 ET	UCA3140 ET	UCA3340 ET	UCA3740 ET	UCA4140 ET
1 - 7 53/8 (427)	UCA1744 T	UCA1944 T	UCA2144 T	UCA2544 T	UCA2744 T	UCA2944 ET	UCA3144 ET	UCA3344 ET	UCA3744 ET	UCA4144 ET
1 - 7 55/8 (424)	UCA1748 T	UCA1948 T	UCA2148 T	UCA2548 T	UCA2748 T	UCA2948 ET	UCA3148 ET	UCA3348 ET	UCA3748 ET	UCA4148 ET
1 - 7 57/8 (421)	UCA1752 T	UCA1952 T	UCA2152 T	UCA2552 T	UCA2752 T	UCA2952 ET	UCA3152 ET	UCA3352 ET	UCA3752 ET	UCA4152 ET
1 - 7 59/8 (418)	UCA1756 T	UCA1956 T	UCA2156 T	UCA2556 T	UCA2756 T	UCA2956 ET	UCA3156 ET	UCA3356 ET	UCA3756 ET	UCA4156 ET
1 - 7 61/8 (415)	UCA1760 T	UCA1960 T	UCA2160 T	UCA2560 T	UCA2760 T	UCA2960 ET	UCA3160 ET	UCA3360 ET	UCA3760 ET	UCA4160 ET
1 - 7 63/8 (412)	UCA1764 T	UCA1964 T	UCA2164 T	UCA2564 T	UCA2764 T	UCA2964 ET	UCA3164 ET	UCA3364 ET	UCA3764 ET	UCA4164 ET
1 - 7 65/8 (409)	UCA1768 T	UCA1968 T	UCA2168 T	UCA2568 T	UCA2768 T	UCA2968 ET	UCA3168 ET	UCA3368 ET	UCA3768 ET	UCA4168 ET
1 - 7 67/8 (406)	UCA1772 T	UCA1972 T	UCA2172 T	UCA2572 T	UCA2772 T	UCA2972 ET	UCA3172 ET	UCA3372 ET	UCA3772 ET	UCA4172 ET
1 - 7 69/8 (403)	UCA1776 T	UCA1976 T	UCA2176 T	UCA2576 T	UCA2776 T	UCA2976 ET	UCA3176 ET	UCA3376 ET	UCA3776 ET	UCA4176 ET
1 - 7 71/8 (400)	UCA1780 T	UCA1980 T	UCA2180 T	UCA2580 T	UCA2780 T	UCA2980 ET	UCA3180 ET	UCA3380 ET	UCA3780 ET	UCA4180 ET
1 - 7 73/8 (397)	UCA1784 T	UCA1984 T	UCA2184 T	UCA2584 T	UCA2784 T	UCA2984 ET	UCA3184 ET	UCA3384 ET	UCA3784 ET	UCA4184 ET
1 - 7 75/8 (394)	UCA1788 T	UCA1988 T	UCA2188 T	UCA2588 T	UCA2788 T	UCA2988 ET	UCA3188 ET	UCA3388 ET	UCA3788 ET	UCA4188 ET
1 - 7 77/8 (391)	UCA1792 T	UCA1992 T	UCA2192 T	UCA2592 T	UCA2792 T	UCA2992 ET	UCA3192 ET	UCA3392 ET	UCA3792 ET	UCA4192 ET
1 - 7 79/8 (388)	UCA1796 T	UCA1996 T	UCA2196 T	UCA2596 T	UCA2796 T	UCA2996 ET	UCA3196 ET	UCA3396 ET	UCA3796 ET	UCA4196 ET
1 - 7 81/8 (385)	UCA1800 T	UCA2000 T	UCA2200 T	UCA2600 T	UCA2800 T	UCA3000 ET	UCA3200 ET	UCA3400 ET	UCA3800 ET	UCA4200 ET
1 - 7 83/8 (382)	UCA1804 T	UCA2004 T	UCA2204 T	UCA2604 T	UCA2804 T	UCA3004 ET	UCA3204 ET	UCA3404 ET	UCA3804 ET	UCA4204 ET
1 - 7 85/8 (379)	UCA1808 T	UCA2008 T	UCA2208 T	UCA2608 T	UCA2808 T	UCA3008 ET	UCA3208 ET	UCA3408 ET	UCA3808 ET	UCA4208 ET
1 - 7 87/8 (376)	UCA1812 T	UCA2012 T	UCA2212 T	UCA2612 T	UCA2812 T	UCA3012 ET	UCA3212 ET	UCA3412 ET	UCA3812 ET	UCA4212 ET
1 - 7 89/8 (373)	UCA1816 T	UCA2016 T	UCA2216 T	UCA2616 T	UCA2816 T	UCA3016 ET	UCA3216 ET	UCA3416 ET	UCA3816 ET	UCA4216 ET
1 - 7 91/8 (370)	UCA1820 T	UCA2020 T	UCA2220 T	UCA2620 T	UCA2820 T	UCA3020 ET	UCA3220 ET	UCA3420 ET	UCA3820 ET	UCA4220 ET
1 - 7 93/8 (367)	UCA1824 T	UCA2024 T	UCA2224 T	UCA2624 T	UCA2824 T	UCA3024 ET	UCA3224 ET	UCA3424 ET	UCA3824 ET	UCA4224 ET
1 - 7 95/8 (364)	UCA1828 T	UCA2028 T	UCA2228 T	UCA2628 T	UCA2828 T	UCA3028 ET	UCA3228 ET	UCA3428 ET	UCA3828 ET	UCA4228 ET
1 - 7 97/8 (361)	UCA1832 T	UCA2032 T	UCA2232 T	UCA2632 T	UCA2832 T	UCA3032 ET	UCA3232 ET	UCA3432 ET	UCA3832 ET	UCA4232 ET
1 - 7 99/8 (358)	UCA1836 T	UCA2036 T	UCA2236 T	UCA2636 T	UCA2836 T	UCA3036 ET	UCA3236 ET	UCA3436 ET	UCA3836 ET	UCA4236 ET
1 - 8 1/8 (355)	UCA1840 T	UCA2040 T	UCA2240 T	UCA2640 T	UCA2840 T	UCA3040 ET	UCA3240 ET	UCA3440 ET	UCA3840 ET	UCA4240 ET
1 - 8 3/8 (352)	UCA1844 T	UCA2044 T	UCA2244 T	UCA2644 T	UCA2844 T	UCA3044 ET	UCA3244 ET	UCA3444 ET	UCA3844 ET	UCA4244 ET
1 - 8 5/8 (349)	UCA1848 T	UCA2048 T	UCA2248 T	UCA2648 T	UCA2848 T	UCA3048 ET	UCA3248 ET	UCA3448 ET	UCA3848 ET	UCA4248 ET
1 - 8 7/8 (346)	UCA1852 T	UCA2052 T	UCA2252 T	UCA2652 T	UCA2852 T	UCA3052 ET	UCA3252 ET	UCA3452 ET	UCA3852 ET	UCA4252 ET
1 - 8 9/8 (343)	UCA1856 T	UCA2056 T	UCA2256 T	UCA2656 T	UCA2856 T	UCA3056 ET	UCA3256 ET	UCA3456 ET	UCA3856 ET	UCA4256 ET
1 - 8 11/8 (340)	UCA1860 T	UCA2060 T	UCA2260 T	UCA2660 T	UCA2860 T	UCA3060 ET	UCA3260 ET	UCA3460 ET	UCA3860 ET	UCA4260 ET
1 - 8 13/8 (337)	UCA1864 T	UCA2064 T	UCA2264 T	UCA2664 T	UCA2864 T	UCA3064 ET	UCA3264 ET	UCA3464 ET	UCA3864 ET	UCA4264 ET
1 - 8 15/8 (334)	UCA1868 T	UCA2068 T	UCA2268 T	UCA2668 T	UCA2868 T	UCA3068 ET	UCA3268 ET	UCA3468 ET	UCA3868 ET	UCA4268 ET
1 - 8 17/8 (331)	UCA1872 T	UCA2072 T	UCA2272 T	UCA2672 T	UCA2872 T	UCA3072 ET	UCA3272 ET	UCA3472 ET	UCA3872 ET	UCA4272 ET
1 - 8 19/8 (328)	UCA1876 T	UCA2076 T	UCA2276 T	UCA2676 T	UCA2876 T	UCA3076 ET	UCA3276 ET	UCA3476 ET	UCA3876 ET	UCA4276 ET
1 - 8 21/8 (325)	UCA1880 T	UCA2080 T	UCA2280 T	UCA2680 T	UCA2880 T	UCA3080 ET	UCA3280 ET	UCA3480 ET	UCA3880 ET	UCA4280 ET
1 - 8 23/8 (322)	UCA1884 T	UCA2084 T	UCA2284 T	UCA2684 T	UCA2884 T	UCA3084 ET	UCA3284 ET	UCA3484 ET	UCA3884 ET	UCA4284 ET
1 - 8 25/8 (319)	UCA1888 T	UCA2088 T	UCA2288 T	UCA2688 T	UCA2888 T	UCA3088 ET	UCA3288 ET	UCA3488 ET	UCA3888 ET	UCA4288 ET
1 - 8 27/8 (316)	UCA1892 T	UCA2092 T	UCA2292 T	UCA2692 T	UCA2892 T	UCA3092 ET	UCA3292 ET	UCA3492 ET	UCA3892 ET	UCA4292 ET
1 - 8 29/8 (313)	UCA1896 T	UCA2096 T	UCA2296 T	UCA2696 T	UCA2896 T	UCA3096 ET	UCA3296 ET	UCA3496 ET	UCA3896 ET	UCA4296 ET
1 - 8 31/8 (310)	UCA1900 T	UCA2100 T	UCA2300 T	UCA2700 T	UCA2900 T	UCA3100 ET	UCA3300 ET	UCA3500 ET	UCA3900 ET	UCA4300 ET
1 - 8 33/8 (307)	UCA1904 T	UCA2104 T	UCA2304 T	UCA2704 T	UCA2904 T	UCA3104 ET	UCA3304 ET	UCA3504 ET	UCA3904 ET	UCA4304 ET
1 - 8 35/8 (304)	UCA1908 T	UCA2108 T	UCA2308 T	UCA2708 T	UCA2908 T	UCA3108 ET	UCA3308 ET	UCA3508 ET	UCA3908 ET	UCA4308 ET
1 - 8 37/8 (301)	UCA1912 T	UCA2112 T	UCA2312 T	UCA2712 T	UCA2912 T	UCA3112 ET	UCA3312 ET	UCA3512 ET	UCA3912 ET	UCA4312 ET
1 - 8 39/8 (298)	UCA1916 T	UCA2116 T	UCA2316 T	UCA2716 T	UCA2916 T	UCA3116 ET	UCA3316 ET	UCA3516 ET	UCA3916 ET	UCA4316 ET
1 - 8 41/8 (295)	UCA1920 T	UCA2120 T	UCA2320 T	UCA2720 T	UCA2920 T	UCA3120 ET	UCA3320 ET	UCA3520 ET	UCA3920 ET	UCA4320 ET
1 - 8 43/8 (292)	UCA1924 T	UCA2124 T	UCA2324 T	UCA2724 T	UCA2924 T	UCA3124				

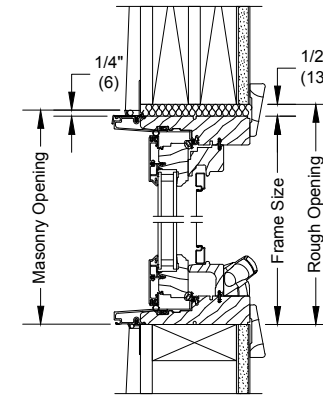
CASEMENT / CASEMENT PUSH OUT

MO (mm)	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)
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 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)

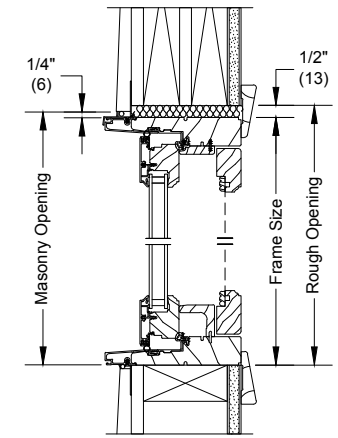
6 - 5 3/8 (1965) 6 - 5 5/8 (1971) 6 - 5 1/8 (1958) 5 - 11 21/64 (1912)										
	UCA1678 T UCAPO1678 T	UCA1878 T UCAPO1878 T	UCA2078 T UCAPO2078 T	UCA2478 T UCAPO2478 T	UCA2678 T UCAPO2678 T	UCA2878 ET UCAPO2878 ET	UCA3078 ET UCAPO3078 ET	UCA3278 ET UCAPO3278 ET	UCA3678 ET UCAPO3678 ET	UCA4078 ET UCAPO4078 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

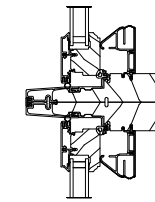
CONSTRUCTION DETAILS



CRANK OUT
HEAD JAMB AND SILL - OPERATOR
WITH SWINGING SCREEN



PUSH OUT
HEAD JAMB AND SILL - OPERATOR
WITH SWINGING SCREEN

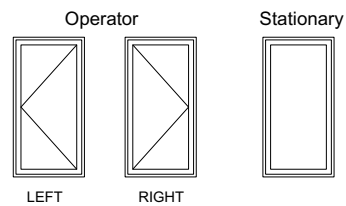


HORIZONTAL MULLION
OPERATOR

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

MO (mm)	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)
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)	2 - 0 55/64 (632)

2 - 9 7/8 (860) 2 - 8 9/16 (827) 2 - 8 1/16 (814) 2 - 1 12/64 (643)	 UWFCAP03632	 UWFCA4032 UWFCAP04032	 UWFC4832 E UWFCAP04832 E	 UWFC45632 E UWFCAP05632 E	 UWFC6032 E UWFCAP06032 E
3 - 1 7/8 (962) 3 - 9/16 (829) 3 - 1/16 (816) 2 - 5 21/64 (745)	 UWFCAP03636	 UWFC44036 UWFCAP04036 E	 UWFC4836 E UWFCAP04836 E	 UWFC45636 E UWFCAP05636 E	 UWFC6036 E UWFCAP06036 E
3 - 5 7/8 (1064) 3 - 4 9/16 (1030) 3 - 4 1/16 (1018) 2 - 9 21/64 (847)	 UWFCAP03640	 UWFC44040 E UWFCAP04040 E	 UWFC44840 E UWFCAP04840 E	 UWFC45640 E UWFCAP05640 E	 UWFC6040 E UWFCAP06040 E
3 - 9 7/8 (1165) 3 - 8 9/16 (1132) 3 - 8 1/16 (1119) 3 - 1 21/64 (948)	 UWFCAP03644	 UWFC44044 E UWFCAP04044 E	 UWFC44844 E UWFCAP04844 E	 UWFC45644 E UWFCAP05644 E	 UWFC6044 E UWFCAP06044 E
4 - 1 7/8 (1267) 4 - 9/16 (1234) 4 - 1/16 (1221) 3 - 5 21/64 (1050)	 UWFCAP03648 E	 UWFC44048 E UWFCAP04048 E	 UWFC44848 E UWFCAP04848 E	 UWFC45648 E UWFCAP05648 E	 UWFC6048 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	 UWFC44054 E UWFCAP04054 E	 UWFC44854 E UWFCAP04854 E	 UWFC45654 E UWFCAP05654 E	 UWFC6054 E UWFCAP06054 E

WOOD FRENCH CASEMENT / WOOD FRENCH CASEMENT PUSH OUT

MO (mm)	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)
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)	2 - 0 55/64 (632)

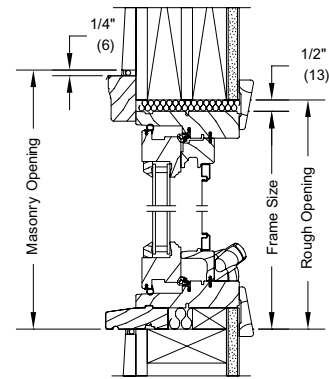
4 - 9 7/8 (1470) 4 - 8 9/16 (1437) 4 - 8 1/16 (1424) 4 - 1 21/64 (1253)	 UWFCAP03656 E	 UWFC44056 E UWFCAP04056 E	 UWFC44856 E UWFCAP04856 E	 UWFC45656 E UWFCAP05656 E	 UWFC6056 E UWFCAP06056 E
5 - 1 7/8 (1572) 5 - 9/16 (1538) 5 - 1/16 (1526) 4 - 5 21/64 (1355)	 UWFCAP03660 E	 UWFC44060 E UWFCAP04060 E	 UWFC44860 E UWFCAP04860 E	 UWFC45660 E UWFCAP05660 E	 UWFC6060 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	 UWFC44064 E UWFCAP04064 E	 UWFC44864 E UWFCAP04864 E	 UWFC45664 E UWFCAP05664 E	 UWFC6064 E UWFCAP06064 E
6 - 1 7/8 (1876) 6 - 9/16 (1843) 6 - 1/16 (1830) 5 - 5 21/64 (1659)	 UWFCAP03672 ET	 UWFC44072 ET UWFCAP04072 ET	 UWFC44872 ET UWFCAP04872 ET	 UWFC45672 ET UWFCAP05672 ET	 UWFC6072 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.

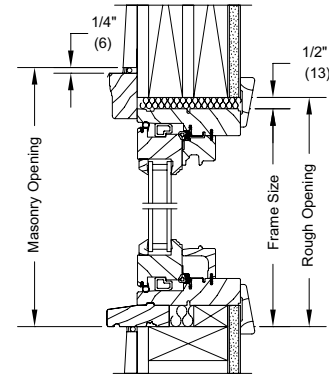
Ultimate Wood French Casement: UWFCA
 Ultimate Wood French Casement Push Out: UWFCAP0

WOOD FRENCH CASEMENT

CONSTRUCTION DETAILS



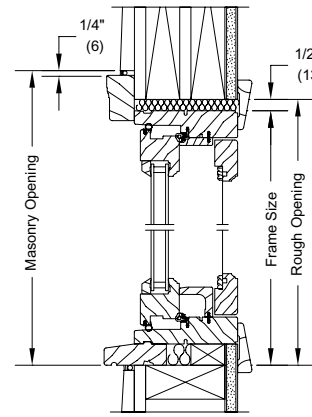
HEAD JAMB AND SILL - OPERATOR



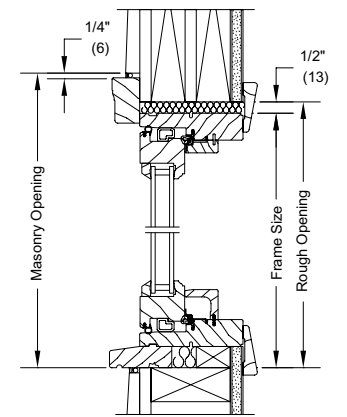
HEAD JAMB AND SILL - STATIONARY

WOOD FRENCH CASEMENT PUSH OUT

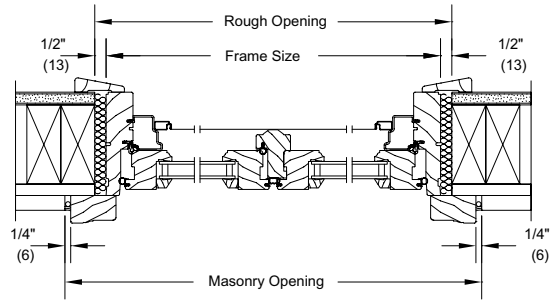
CONSTRUCTION DETAILS



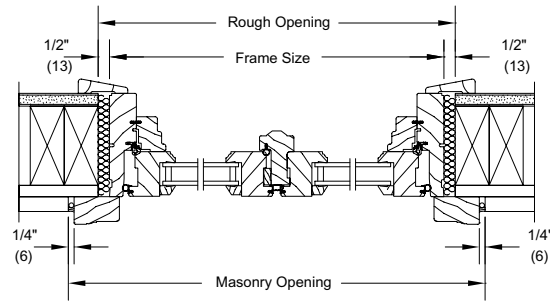
HEAD JAMB AND SILL - OPERATOR WITH SCREEN OPTION



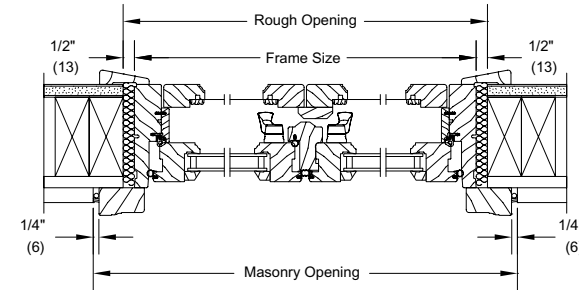
HEAD JAMB AND SILL - STATIONARY



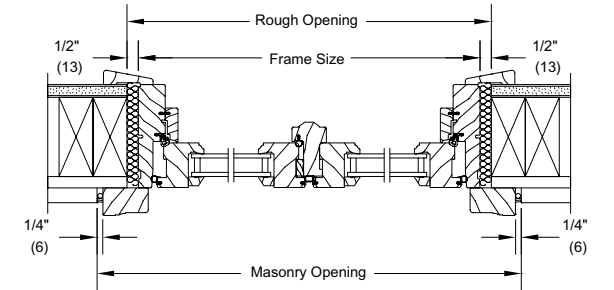
JAMB - OPERATOR



JAMB - 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 (666)	 UFCAP03632	 UFCA4032 UFCAP04032	 UFCA4832 E UFCAP04832 E	 UFCA5632 E UFCAP05632 E	 UFCA6032 E UFCAP06032 E
2 - 11 3/8 (899) 2 - 11 5/8 (905) 2 - 11 1/8 (892) 2 - 6 9/32 (769)	 UFCAP03636	 UFCA4036 UFCAP04036	 UFCA4836 E UFCAP04836 E	 UFCA5636 E UFCAP05636 E	 UFCA6036 E UFCAP06036 E
3 - 3 3/8 (1000) 3 - 3 5/8 (1006) 3 - 3 1/8 (994) 2 - 10 9/32 (871)	 UFCAP03640	 UFCA4040 E UFCAP04040 E	 UFCA4840 E UFCAP04840 E	 UFCA5640 E UFCAP05640 E	 UFCA6040 E UFCAP06040 E
3 - 7 3/8 (1102) 3 - 7 5/8 (1108) 3 - 7 1/8 (1096) 3 - 2 9/32 (972)	 UFCAP03644	 UFCA4044 E UFCAP04044 E	 UFCA4844 E UFCAP04844 E	 UFCA5644 E UFCAP05644 E	 UFCA6044 E UFCAP06044 E
3 - 11 3/8 (1203) 3 - 11 5/8 (1210) 3 - 11 1/8 (1197) 3 - 6 9/32 (1074)	 UFCAP03648 E	 UFCA4048 E UFCAP04048 E	 UFCA4848 E UFCAP04848 E	 UFCA5648 E UFCAP05648 E	 UFCA6048 E UFCAP06048 E
4 - 5 3/8 (1356) 4 - 5 5/8 (1362) 4 - 5 1/8 (1349) 4 - 0 9/32 (1226)	 UFCAP03654 E	 UFCA4054 E UFCAP04054 E	 UFCA4854 E UFCAP04854 E	 UFCA5654 E UFCAP05654 E	 UFCA6054 E UFCAP06054 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)	1-12 55/64 (632)

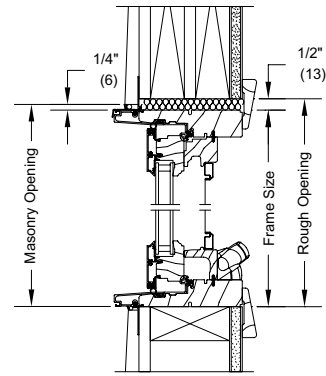
4 - 7 3/8 (1407) 4 - 7 5/8 (1413) 4 - 7 1/8 (1400) 4 - 2 9/32 (1277)	 UFCAP03656 E	 UFCA4056 E UFCAP04056 E	 UFCA4856 E UFCAP04856 E	 UFCA5656 E UFCAP05656 E	 UFCA6056 E UFCAP06056 E
4 - 11 3/8 (1508) 4 - 11 5/8 (1514) 4 - 11 1/8 (1502) 4 - 6 9/32 (1379)	 UFCAP03660 E	 UFCA4060 E UFCAP04060 E	 UFCA4860 E UFCAP04860 E	 UFCA5660 E UFCAP05660 E	 UFCA6060 E UFCAP06060 E
5 - 3 3/8 (1610) 5 - 3 5/8 (1616) 5 - 3 1/8 (1603) 4 - 10 9/32 (1480)	 UFCAP03664 E	 UFCA4064 E UFCAP04064 E	 UFCA4864 E UFCAP04864 E	 UFCA5664 E UFCAP05664 E	 UFCA6064 E UFCAP06064 E
5 - 11 3/8 (1813) 5 - 11 5/8 (1819) 5 - 11 1/8 (1807) 5 - 6 9/32 (1684)	 UFCAP03672 ET	 UFCA4072 ET UFCAP04072 ET	 UFCA4872 ET UFCAP04872 ET	 UFCA5672 ET UFCAP05672 ET	 UFCA6072 ET UFCAP06072 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.

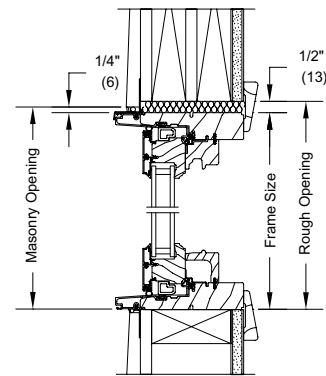
Ultimate French Casement: UFCA
 Ultimate French Casement Push Out: UFCAP

FRENCH CASEMENT

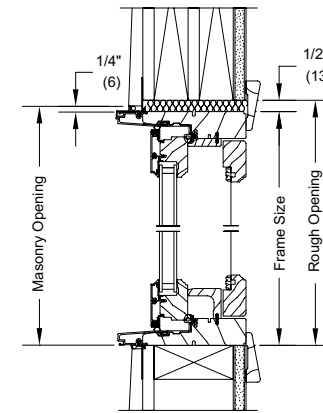
CONSTRUCTION DETAILS



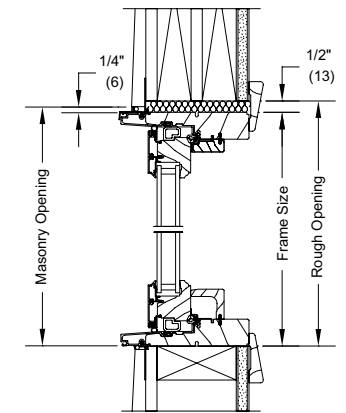
HEAD JAMB AND SILL - OPERATOR



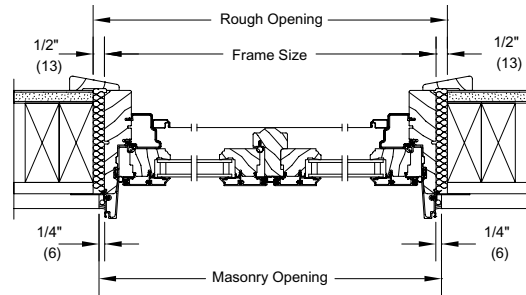
HEAD JAMB AND SILL - STATIONARY



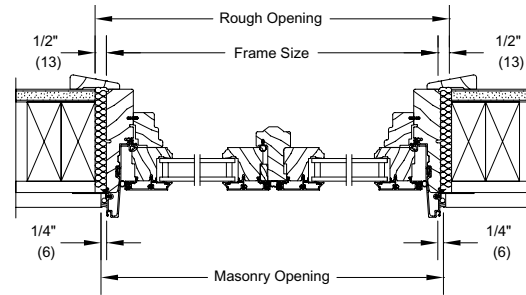
HEAD JAMB AND SILL - OPERATOR WITH WOOD SCREEN OPTION



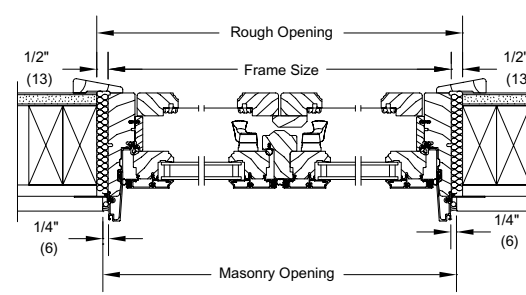
HEAD JAMB AND SILL - STATIONARY



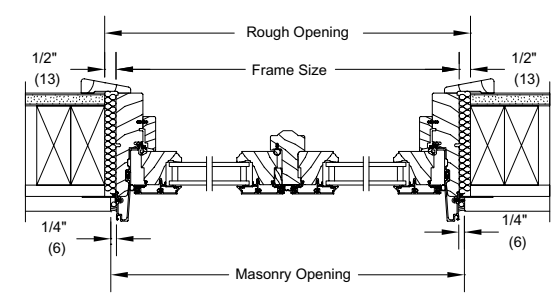
JAMB - OPERATOR



JAMB - STATIONARY



JAMB - STATIONARY WITH WOOD SCREEN OPTION



JAMB - STATIONARY

FRENCH CASEMENT PUSH OUT

CONSTRUCTION DETAILS

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)

1 - 3 7/8 (403)									
1 - 2 9/16 (370)	UAWWNPO 1614	UAWWNPO 1814	UAWWNPO 2014	UAWWNPO 2414	UAWWNPO 2614	UAWWNPO 2814	UAWWNPO 3014	UAWWNPO 3214	UAWWNPO 3614
1 - 2 1/16 (357)									
0 - 7 15/16 (186)									
1 - 5 7/8 (454)									
1 - 4 9/16 (421)	UAWWNPO 1616	UAWWNPO 1816	UAWWNPO 2016	UAWWNPO 2416	UAWWNPO 2616	UAWWNPO 2816	UAWWNPO 3016	UAWWNPO 3216	UAWWNPO 3616
1 - 4 1/16 (408)									
0 - 9 15/16 (237)									
1 - 7 7/8 (605)									
1 - 6 9/16 (471)	UAWWNPO 1618	UAWWNPO 1818	UAWWNPO 2018	UAWWNPO 2418	UAWWNPO 2618	UAWWNPO 2818	UAWWNPO 3018	UAWWNPO 3218	UAWWNPO 3618
1 - 6 1/16 (459)									
0 - 11 15/16 (287)									
1 - 9 7/8 (556)									
1 - 8 9/16 (522)	UAWWNPO 1620	UAWWNPO 1820	UAWWNPO 2020	UAWWNPO 2420	UAWWNPO 2620	UAWWNPO 2820	UAWWNPO 3020	UAWWNPO 3220	UAWWNPO 3620
1 - 8 1/16 (510)									
1 - 1 15/16 (338)									
2 - 1 7/8 (657)									
2 - 9/16 (624)	UAWWNPO 1624	UAWWNPO 1824	UAWWNPO 2024	UAWWNPO 2424	UAWWNPO 2624	UAWWNPO 2824	UAWWNPO 3024	UAWWNPO 3224	UAWWNPO 3624
2 - 1/16 (611)									
1 - 5 15/16 (440)									
2 - 5 7/8 (759)									
2 - 4 9/16 (725)	UAWWNPO 1628	UAWWNPO 1828	UAWWNPO 2028	UAWWNPO 2428	UAWWNPO 2628	UAWWNPO 2828	UAWWNPO 3028	UAWWNPO 3228	UAWWNPO 3628
2 - 4 1/16 (713)									
1 - 9 15/16 (541)									
2 - 9 7/8 (860)									
2 - 8 9/16 (827)	UAWWNPO 1632	UAWWNPO 1832	UAWWNPO 2032	UAWWNPO 2432	UAWWNPO 2632	UAWWNPO 2832	UAWWNPO 3032	UAWWNPO 3232	UAWWNPO 3632
2 - 8 1/16 (814)									
2 - 1 15/16 (643)									
3 - 1 7/8 (962)									
3 - 9/16 (929)	UAWWNPO 1636	UAWWNPO 1836	UAWWNPO 2036	UAWWNPO 2436	UAWWNPO 2636	UAWWNPO 2836	UAWWNPO 3036	UAWWNPO 3236	UAWWNPO 3636
3 - 1/16 (916)									
2 - 5 15/16 (745)									
3 - 5 7/8 (1064)									
3 - 4 9/16 (1030)	UAWWNPO 1640	UAWWNPO 1840	UAWWNPO 2040	UAWWNPO 2440	UAWWNPO 2640	UAWWNPO 2840	UAWWNPO 3040	UAWWNPO 3240	UAWWNPO 3640
3 - 4 1/16 (1018)									
2 - 9 15/16 (846)									
3 - 9 7/8 (1165)									
3 - 8 9/16 (1132)	UAWWNPO 1644	UAWWNPO 1844	UAWWNPO 2044	UAWWNPO 2444	UAWWNPO 2644	UAWWNPO 2844	UAWWNPO 3044	UAWWNPO 3244	UAWWNPO 3644
3 - 8 1/16 (1119)									
3 - 1 15/16 (948)									
4 - 1 7/8 (1267)									
4 - 9/16 (1233)	UAWWNPO 1648	UAWWNPO 1848	UAWWNPO 2048	UAWWNPO 2448	UAWWNPO 2648	UAWWNPO 2848	UAWWNPO 3048	UAWWNPO 3248	UAWWNPO 3648
4 - 1/16 (1221)									
3 - 5 15/16 (1049)									

Ultimate Wood Awning: UAWWN

Ultimate Wood Awning Push Out: UAWWNPO

Details and Elevations not to scale.

- Ultimate Wood Awning Push Out not available in frame size heights greater than 48 1/16".
- For units with a tall bottom rail, reduce the DLO height by 1 1/2".

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)

1 - 3 7/8 (403)						
1 - 2 9/16 (370)	UAWWNPO 4014	UAWWNPO 4814	UAWWNPO 5614	UAWWNPO 6014	UAWWNPO 6414	UAWWNPO 7214
1 - 2 1/16 (357)						
0 - 7 15/16 (186)						
1 - 5 7/8 (454)						
1 - 4 9/16 (421)	UAWWNPO 4016	UAWWNPO 4816	UAWWNPO 5616	UAWWNPO 6016	UAWWNPO 6416	UAWWNPO 7216
1 - 4 1/16 (408)						
0 - 9 15/16 (237)						
1 - 7 7/8 (605)						
1 - 6 9/16 (471)	UAWWNPO 4018	UAWWNPO 4818	UAWWNPO 5618	UAWWNPO 6018	UAWWNPO 6418	UAWWNPO 7218
1 - 6 1/16 (459)						
0 - 11 15/16 (287)						
1 - 9 7/8 (556)						
1 - 8 9/16 (522)	UAWWNPO 4020	UAWWNPO 4820	UAWWNPO 5620	UAWWNPO 6020	UAWWNPO 6420	UAWWNPO 7220
1 - 8 1/16 (510)						
1 - 1 15/16 (338)						
2 - 1 7/8 (657)						
2 - 9/16 (624)	UAWWNPO 4024	UAWWNPO 4824	UAWWNPO 5624	UAWWNPO 6024	UAWWNPO 6424	UAWWNPO 7224
2 - 1/16 (611)						
1 - 5 15/16 (440)						
2 - 5 7/8 (759)						
2 - 4 9/16 (725)	UAWWNPO 4028	UAWWNPO 4828	UAWWNPO 5628	UAWWNPO 6028	UAWWNPO 6428	UAWWNPO 7228
2 - 4 1/16 (713)						
1 - 9 15/16 (541)						
2 - 9 7/8 (860)						
2 - 8 9/16 (827)	UAWWNPO 4032	UAWWNPO 4832	UAWWNPO 5632	UAWWNPO 6032	UAWWNPO 6432	UAWWNPO 7232
2 - 8 1/16 (814)						
2 - 1 15/16 (643)						
3 - 1 7/8 (962)						
3 - 9/16 (929)	UAWWNPO 4036	UAWWNPO 4836	UAWWNPO 5636	UAWWNPO 6036	UAWWNPO 6436	UAWWNPO 7236
3 - 1/16 (916)						
2 - 5 15/16 (745)						
3 - 5 7/8 (1064)						
3 - 4 9/16 (1030)	UAWWNPO 4040	UAWWNPO 4840	UAWWNPO 5640	UAWWNPO 6040	UAWWNPO 6440	UAWWNPO 7240
3 - 4 1/16 (1018)						
2 - 9 15/16 (846)						
3 - 9 7/8 (1165)						
3 - 8 9/16 (1132)	UAWWNPO 4044	UAWWNPO 4844	UAWWNPO 5644	UAWWNPO 6044	UAWWNPO 6444	UAWWNPO 7244
3 - 8 1/16 (1119)						
3 - 1 15/16 (948)						
4 - 1 7/8 (1267)						
4 - 9/16 (1233)	UAWWNPO 4048	UAWWNPO 4848	UAWWNPO 5648	UAWWNPO 6048	UAWWNPO 6448	UAWWNPO 7248
4 - 1/16 (1221)						
3 - 5 15/16 (1049)						

Please consult your local Marvin representative for more information.

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

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)									
4 - 9 7/8 (1470) 4 - 8 9/16 (1437) 4 - 8 1/16 (1424) 4 - 1 15/16 (1253)									
5 - 1 7/8 (1572) 5 - 9/16 (1538) 5 - 1/16 (1526) 4 - 5 15/16 (1354)									
5 - 5 7/8 (1673) 5 - 4 9/16 (1640) 5 - 4 1/16 (1627) 4 - 9 15/16 (1456)									
6 - 1 7/8 (1876) 6 - 9/16 (1843) 6 - 1/16 (1830) 5 - 5 15/16 (1659)									

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)						
4 - 9 7/8 (1470) 4 - 8 9/16 (1437) 4 - 8 1/16 (1424) 4 - 1 15/16 (1253)						
5 - 1 7/8 (1572) 5 - 9/16 (1538) 5 - 1/16 (1526) 4 - 5 15/16 (1354)						
5 - 5 7/8 (1673) 5 - 4 9/16 (1640) 5 - 4 1/16 (1627) 4 - 9 15/16 (1456)						
6 - 1 7/8 (1876) 6 - 9/16 (1843) 6 - 1/16 (1830) 5 - 5 15/16 (1659)						

Details and Elevations not to scale.

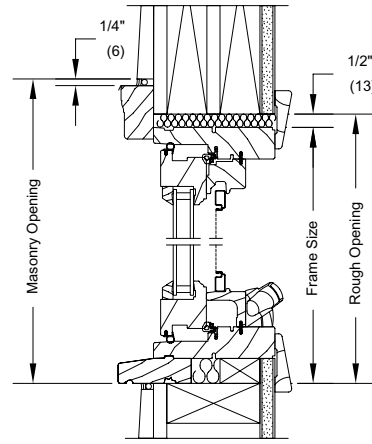
- Ultimate Wood Awning Push Out not available in frame size heights greater than 48 1/16".
- For units with a tall bottom rail, reduce the DLO height by 1 1/2".

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.

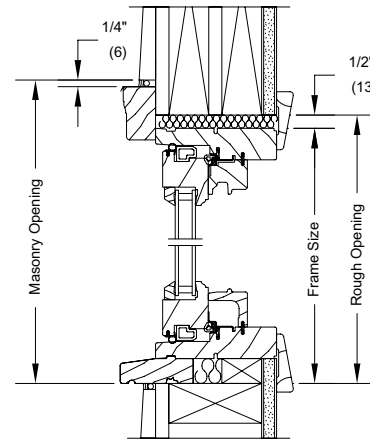
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WOOD AWNING

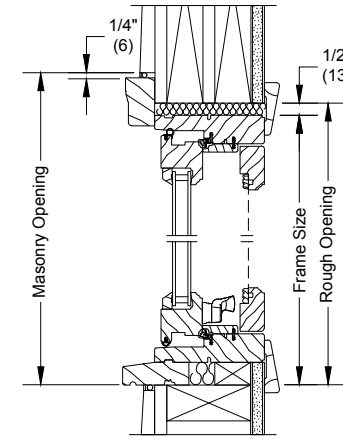
CONSTRUCTION DETAILS



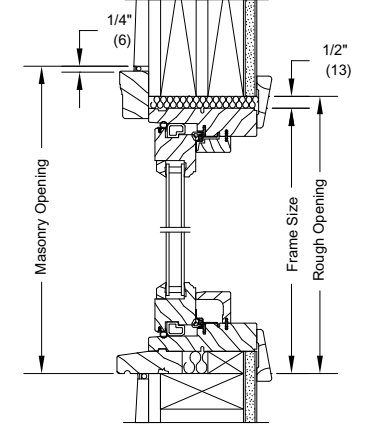
HEAD JAMB AND SILL - OPERATOR



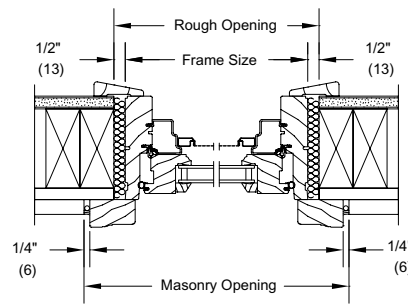
HEAD JAMB AND SILL - STATIONARY



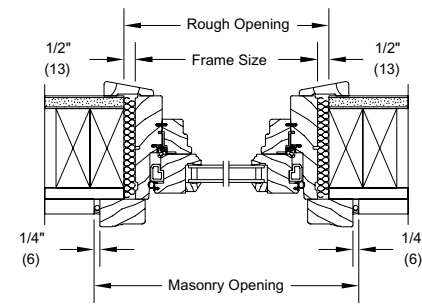
PUSH OUT HEAD JAMB AND SILL - STATIONARY WITH SWINGING WOOD SCREEN



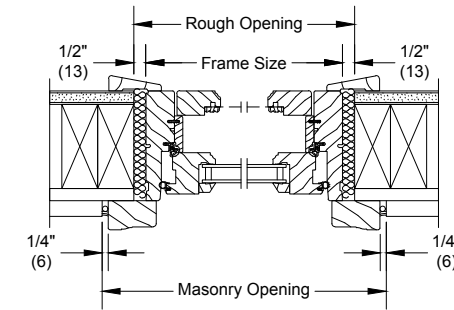
PUSH OUT HEAD JAMB AND SILL - STATIONARY



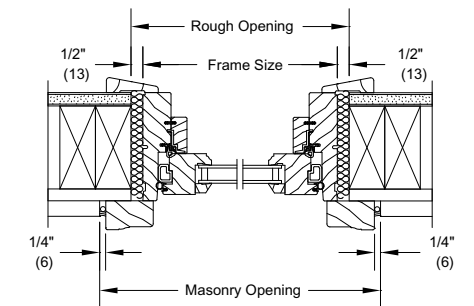
JAMB - OPERATOR



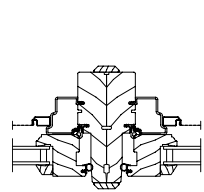
JAMB - STATIONARY



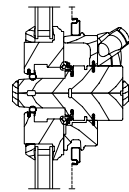
PUSH OUT JAMB - OPERATOR WITH SWINGING WOOD SCREEN



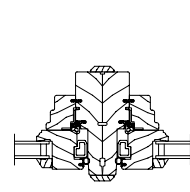
PUSH OUT JAMB - STATIONARY



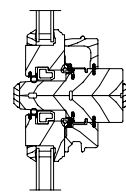
VERTICAL MULLION OPERATOR



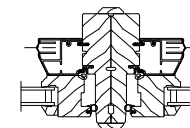
HORIZONTAL MULLION OPERATOR



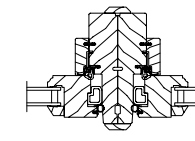
VERTICAL MULLION STATIONARY



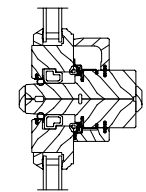
HORIZONTAL MULLION STATIONARY



PUSH OUT OPERATOR VERTICAL MULLION



PUSH OUT STATIONARY VERTICAL MULLION



PUSH OUT STATIONARY HORIZONTAL MULLION

WOOD AWNING PUSH OUT

CONSTRUCTION DETAILS

AWNING / AWNING PUSH OUT

MO (mm)	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)
RO (mm)	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (688)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)
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)
DLO (mm)	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)								
0 - 7 21/64 (186)								
1 - 3 3/8 (390)								
1 - 3 5/8 (396)								
1 - 3 7/8 (403)								
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)								

AWNING / AWNING PUSH OUT

MO (mm)	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)
RO (mm)	3 - 1 (939)	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 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 - 3 3/8 (390)							
1 - 3 5/8 (396)							
1 - 3 7/8 (403)							
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)							

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".

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

MO (mm)	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)
RO (mm)	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (688)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)
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)
DLO (mm)	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 7/8 (1369) 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 - 11 3/8 (1508) 4 - 11 5/8 (1514) 4 - 11 7/8 (1501) 4 - 5 21/64 (1355)								
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)								

AWNING / AWNING PUSH OUT

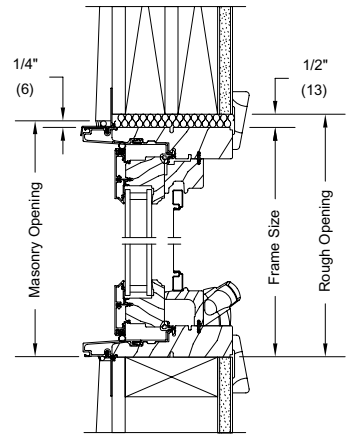
MO (mm)	3 - 1/2 (927)	3 - 4 1/2 (1028)	4 - 1/2 (1232)	4 - 8 1/2 (1435)	5 - 1/2 (1537)	5 - 4 1/2 (1638)	6 - 1/2 (1842)
RO (mm)	3 - 1 (939)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)	5 - 5 (1651)	6 - 1 (1854)
FS (mm)	3 - 0 (914)	3 - 4 (1016)	4 - 0 (1219)	4 - 8 (1422)	5 - 0 (1524)	5 - 4 (1626)	6 - 0 (1829)
DLO (mm)	2 - 6 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 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 - 11 3/8 (1508) 4 - 11 5/8 (1514) 4 - 11 7/8 (1501) 4 - 5 21/64 (1355)							
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)							

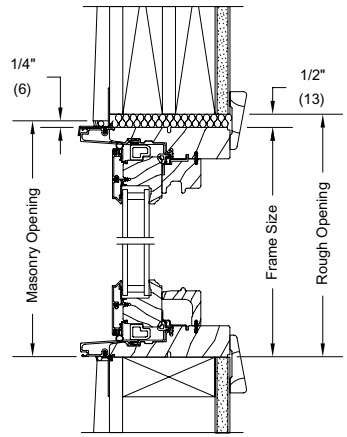
Details and Elevations not to scale.
 T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with a frame size of 25.2 ft² and larger.
 Please consult your local Marvin representative for more information.
 For further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

AWNING

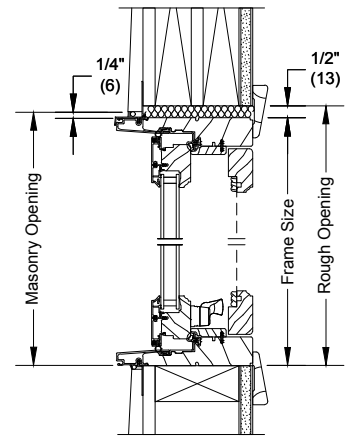
CONSTRUCTION DETAILS



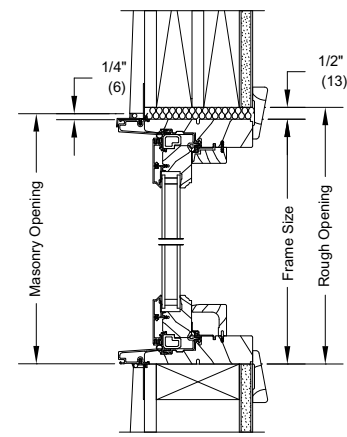
HEAD JAMB AND SILL - OPERATOR



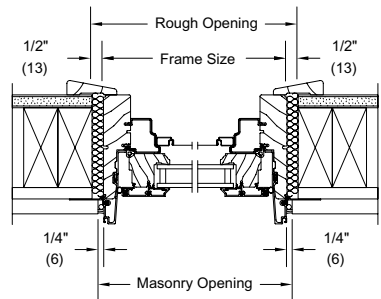
HEAD JAMB AND SILL - STATIONARY



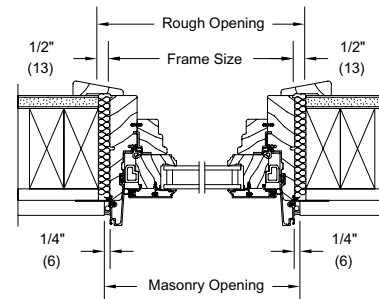
PUSH OUT
HEAD JAMB AND SILL - STATIONARY
WITH SWINGING SCREEN



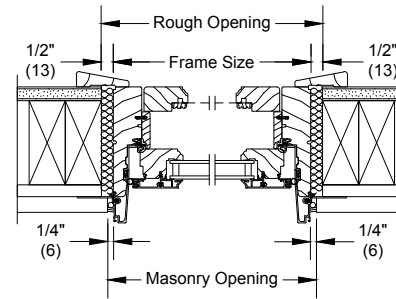
PUSH OUT
HEAD JAMB AND SILL - STATIONARY



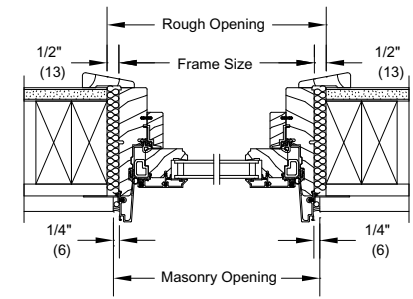
JAMB - OPERATOR



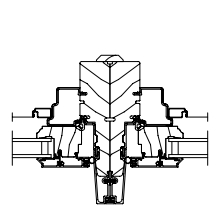
JAMB - STATIONARY



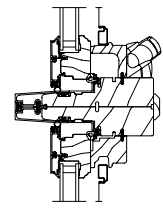
PUSH OUT
JAMB - OPERATOR
WITH SWINGING SCREEN



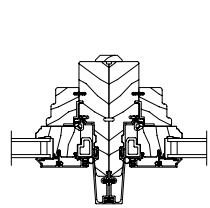
PUSH OUT
JAMB - STATIONARY



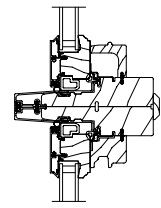
VERTICAL MULLION
OPERATOR



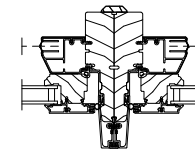
HORIZONTAL MULLION
OPERATOR



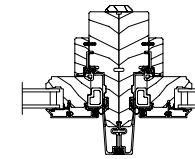
VERTICAL MULLION
STATIONARY



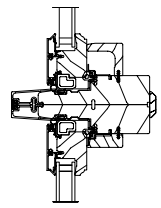
HORIZONTAL MULLION
STATIONARY



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

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)	6 - 11 5/8 (2124)	7 - 7 5/8 (2327)	8 - 3 5/8 (2531)
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 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)

1 - 1 7/8 (352) 1 - 9/16 (319) 1 - 1/16 (306)									
1 - 3 7/8 (403) 1 - 2 9/16 (370) 1 - 2 1/16 (357) 0 - 7 5/16 (186)									
1 - 5 7/8 (454) 1 - 4 9/16 (421) 1 - 4 1/16 (408) 0 - 9 5/16 (237)									
1 - 7 7/8 (505) 1 - 6 9/16 (471) 1 - 6 1/16 (459) 0 - 11 5/16 (287)									
1 - 9 7/8 (556) 1 - 8 9/16 (522) 1 - 8 1/16 (510) 1 - 1 5/16 (338)									
2 - 1 7/8 (657) 2 - 9/16 (624) 2 - 1/16 (611) 1 - 5 5/16 (440)									
2 - 5 7/8 (759) 2 - 4 9/16 (725) 2 - 4 1/16 (713) 1 - 9 5/16 (541)									
2 - 9 7/8 (860) 2 - 8 9/16 (827) 2 - 8 1/16 (814) 2 - 1 5/16 (643)									
3 - 1 7/8 (962) 3 - 9/16 (929) 3 - 1/16 (916) 2 - 5 5/16 (745)									

WOOD CASEMENT PICTURE / WOOD CASEMENT PUSH OUT PICTURE

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)	6 - 11 5/8 (2124)	7 - 7 5/8 (2327)	8 - 3 5/8 (2531)
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 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)












































3 - 5 7/8 (1064) 3 - 4 9/16 (1030) 3 - 4 1/16 (1018) 2 - 9 5/16 (846)									
3 - 9 7/8 (1165) 3 - 8 9/16 (1132) 3 - 8 1/16 (1119) 3 - 1 5/16 (948)									
4 - 1 7/8 (1267) 4 - 9/16 (1233) 4 - 1/16 (1221) 3 - 5 5/16 (1049)									
4 - 7 7/8 (1419) 4 - 6 9/16 (1386) 4 - 6 1/16 (1373) 3 - 11 5/16 (1202)									
4 - 9 7/8 (1470) 4 - 8 9/16 (1437) 4 - 8 1/16 (1424) 4 - 1 5/16 (1253)									
5 - 1 7/8 (1572) 5 - 9/16 (1538) 5 - 1/16 (1526) 4 - 5 5/16 (1354)									
5 - 5 7/8 (1673) 5 - 4 9/16 (1640) 5 - 4 1/16 (1627) 4 - 9 5/16 (1456)									

Ultimate Wood Casement Picture: UWCAP
Ultimate Wood Casement Push Out Picture: UWCAPOP

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

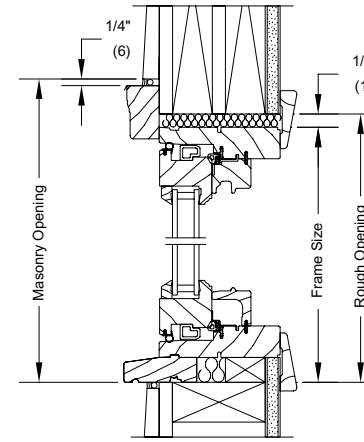
WOOD CASEMENT PICTURE / WOOD CASEMENT PUSH OUT PICTURE

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)	6 - 11 5/8 (2124)	7 - 7 5/8 (2327)	8 - 3 5/8 (2531)
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 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)

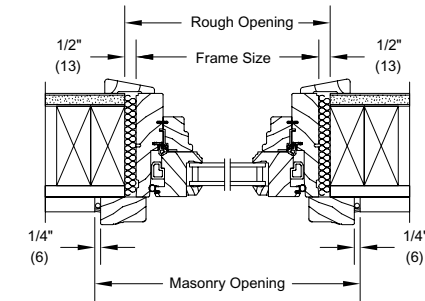
6 - 1 7/8 (1876) 6 - 9/16 (1843) 6 - 17/16 (1830) 5 - 5 5/16 (1659)	 UWCAP 4072 T UWCAPOP 4072 T	 UWCAP 4872 T UWCAPOP 4872 T	 UWCAP 5672 T UWCAPOP 5672 T	 UWCAP 6072 T UWCAPOP 6072 T	 UWCAP 6472 T UWCAPOP 6472 T	 UWCAP 7272 T* UWCAPOP 7272 T*	 UWCAP 8072 T* UWCAPOP 8072 T*	 UWCAP 8872 T* UWCAPOP 8872 T*	 UWCAP 9672 T* UWCAPOP 9672 T*
6 - 7 7/8 (2029) 6 - 6 9/16 (1995) 6 - 17/16 (1983) 5 - 11 5/16 (1811)	 UWCAP 4078 T UWCAPOP 4078 T	 UWCAP 4878 T UWCAPOP 4878 T	 UWCAP 5678 T UWCAPOP 5678 T	 UWCAP 6078 T UWCAPOP 6078 T	 UWCAP 6478 T UWCAPOP 6478 T	 UWCAP 7278 T* UWCAPOP 7278 T*	 UWCAP 8078 T* UWCAPOP 8078 T*	 UWCAP 8878 T* UWCAPOP 8878 T*	 UWCAP 9678 T* UWCAPOP 9678 T*
7 - 1 7/8 (2181) 7 - 9/16 (2148) 7 - 17/16 (2135) 6 - 5 5/16 (1964)	 UWCAP 4084 T UWCAPOP 4084 T	 UWCAP 4884 T UWCAPOP 4884 T	 UWCAP 5684 T UWCAPOP 5684 T	 UWCAP 6084 T UWCAPOP 6084 T	 UWCAP 6484 T UWCAPOP 6484 T	 UWCAP 7284 T* UWCAPOP 7284 T*	 UWCAP 8084 T* UWCAPOP 8084 T*	 UWCAP 8884 T* UWCAPOP 8884 T*	 UWCAP 8884 T* UWCAPOP 8884 T*
7 - 9 7/8 (2384) 7 - 8 9/16 (2351) 7 - 8 1/16 (2338) 7 - 1 5/16 (2167)	 UWCAP 4092 T UWCAPOP 4092 T	 UWCAP 4892 T UWCAPOP 4892 T	 UWCAP 5692 T UWCAPOP 5692 T	 UWCAP 6092 T UWCAPOP 6092 T	 UWCAP 6492 T UWCAPOP 6492 T	 UWCAP 7292 T* UWCAPOP 7292 T*	 UWCAP 8092 T* UWCAPOP 8092 T*	 UWCAP 8892 T* UWCAPOP 8892 T*	
8 - 1 7/8 (2486) 8 - 9/16 (2453) 8 - 17/16 (2440) 7 - 5 5/16 (2269)	 UWCAP 4096 T UWCAPOP 4096 T	 UWCAP 4896 T UWCAPOP 4896 T	 UWCAP 5696 T UWCAPOP 5696 T	 UWCAP 6096 T UWCAPOP 6096 T	 UWCAP 6496 T UWCAPOP 6496 T	 UWCAP 7296 T* UWCAPOP 7296 T*	 UWCAP 8096 T* UWCAPOP 8096 T*	 UWCAP 8896 T* UWCAPOP 8896 T*	

WOOD CASEMENT / WOOD CASEMENT PUSH OUT PICTURE

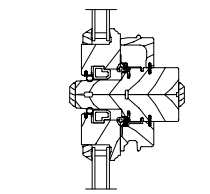
CONSTRUCTION DETAILS



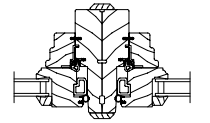
HEAD JAMB AND SILL - PICTURE



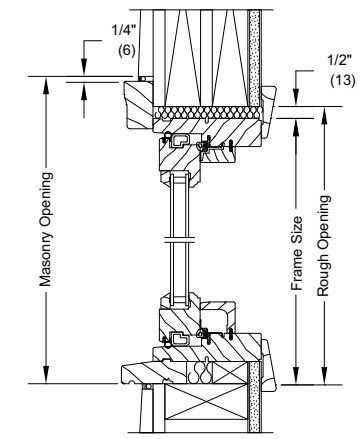
JAMB - PICTURE



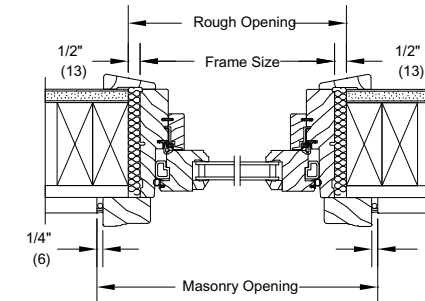
HORIZONTAL MULLION



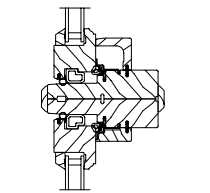
VERTICAL MULLION



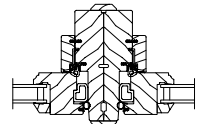
PUSH OUT HEAD JAMB AND SILL - PICTURE



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

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)

0 - 11 3/8 (289)									
0 - 11 5/8 (295)	UCAP4012	UCAP4812	UCAP5612	UCAP6012	UCAP6412	UCAP7212	UCAP8012	UCAP8812	UCAP9612
0 - 11 1/8 (283)	UCAPOP4012	UCAPOP4812	UCAPOP5612	UCAPOP6012	UCAPOP6412	UCAPOP7212	UCAPOP8012	UCAPOP8812	UCAPOP9612
0 - 5 21/64 (135)									
1 - 1 3/8 (339)									
1 - 1 5/8 (346)	UCAP4014	UCAP4814	UCAP5614	UCAP6014	UCAP6414	UCAP7214	UCAP8014	UCAP8814	UCAP9614
1 - 1 1/8 (333)	UCAPOP4014	UCAPOP4814	UCAPOP5614	UCAPOP6014	UCAPOP6414	UCAPOP7214	UCAPOP8014	UCAPOP8814	UCAPOP9614
0 - 7 21/64 (186)									
1 - 3 3/8 (390)									
1 - 3 5/8 (396)	UCAP4016	UCAP4816	UCAP5616	UCAP6016	UCAP6416	UCAP7216	UCAP8016	UCAP8816	UCAP9616
1 - 3 1/8 (384)	UCAPOP4016	UCAPOP4816	UCAPOP5616	UCAPOP6016	UCAPOP6416	UCAPOP7216	UCAPOP8016	UCAPOP8816	UCAPOP9616
0 - 9 21/64 (237)									
1 - 5 3/8 (441)									
1 - 5 5/8 (447)	UCAP4018	UCAP4818	UCAP5618	UCAP6018	UCAP6418	UCAP7218	UCAP8018	UCAP8818	UCAP9618
1 - 5 1/8 (434)	UCAPOP4018	UCAPOP4818	UCAPOP5618	UCAPOP6018	UCAPOP6418	UCAPOP7218	UCAPOP8018	UCAPOP8818	UCAPOP9618
0 - 11 21/64 (288)									
1 - 7 3/8 (492)									
1 - 7 5/8 (498)	UCAP4020	UCAP4820	UCAP5620	UCAP6020	UCAP6420	UCAP7220	UCAP8020	UCAP8820	UCAP9620
1 - 7 1/8 (485)	UCAPOP4020	UCAPOP4820	UCAPOP5620	UCAPOP6020	UCAPOP6420	UCAPOP7220	UCAPOP8020	UCAPOP8820	UCAPOP9620
1 - 1 21/64 (339)									
1 - 11 3/8 (593)									
1 - 11 5/8 (600)	UCAP4024	UCAP4824	UCAP5624	UCAP6024	UCAP6424	UCAP7224	UCAP8024	UCAP8824	UCAP9624
1 - 11 1/8 (587)	UCAPOP4024	UCAPOP4824	UCAPOP5624	UCAPOP6024	UCAPOP6424	UCAPOP7224	UCAPOP8024	UCAPOP8824	UCAPOP9624
1 - 5 21/64 (440)									
2 - 3 3/8 (695)									
2 - 3 5/8 (701)	UCAP4028	UCAP4828	UCAP5628	UCAP6028	UCAP6428	UCAP7228	UCAP8028	UCAP8828	UCAP9628
2 - 3 1/8 (688)	UCAPOP4028	UCAPOP4828	UCAPOP5628	UCAPOP6028	UCAPOP6428	UCAPOP7228	UCAPOP8028	UCAPOP8828	UCAPOP9628
1 - 9 21/64 (542)									

Ultimate Casement Picture: UCAP
 Ultimate Casement Push Out Picture: UCAPOP

Details and Elevations not to scale.
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 * Larger sizes require 1" insulating glass.

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)

2 - 7 3/8 (796)									
2 - 7 5/8 (803)	UCAP4032	UCAP4832	UCAP5632	UCAP6032	UCAP6432	UCAP7232	UCAP8032	UCAP8832	UCAP9632
2 - 7 1/8 (790)	UCAPOP4032	UCAPOP4832	UCAPOP5632	UCAPOP6032	UCAPOP6432	UCAPOP7232	UCAPOP8032	UCAPOP8832	UCAPOP9632
2 - 1 21/64 (643)									
2 - 11 3/8 (898)									
2 - 11 5/8 (904)	UCAP4036	UCAP4836	UCAP5636	UCAP6036	UCAP6436	UCAP7236	UCAP8036	UCAP8836	UCAP9636
2 - 11 1/8 (892)	UCAPOP4036	UCAPOP4836	UCAPOP5636	UCAPOP6036	UCAPOP6436	UCAPOP7236	UCAPOP8036	UCAPOP8836	UCAPOP9636
2 - 5 21/64 (745)									
3 - 3 3/8 (1000)									
3 - 3 5/8 (1006)	UCAP4040	UCAP4840	UCAP5640	UCAP6040	UCAP6440	UCAP7240	UCAP8040	UCAP8840	UCAP9640 T
3 - 3 1/8 (993)	UCAPOP4040	UCAPOP4840	UCAPOP5640	UCAPOP6040	UCAPOP6440	UCAPOP7240	UCAPOP8040	UCAPOP8840	UCAPOP9640 T
2 - 9 21/64 (847)									
3 - 7 3/8 (1101)									
3 - 7 5/8 (1108)	UCAP4044	UCAP4844	UCAP5644	UCAP6044	UCAP6444	UCAP7244	UCAP8044	UCAP8844 T	UCAP9644 T
3 - 7 1/8 (1095)	UCAPOP4044	UCAPOP4844	UCAPOP5644	UCAPOP6044	UCAPOP6444	UCAPOP7244	UCAPOP8044	UCAPOP8844 T	UCAPOP9644 T
3 - 1 21/64 (948)									
3 - 11 3/8 (1203)									
3 - 11 5/8 (1209)	UCAP4048	UCAP4848	UCAP5648	UCAP6048	UCAP6448	UCAP7248	UCAP8048 T	UCAP8848 T	UCAP9648 T
3 - 11 1/8 (1196)	UCAPOP4048	UCAPOP4848	UCAPOP5648	UCAPOP6048	UCAPOP6448	UCAPOP7248	UCAPOP8048 T	UCAPOP8848 T	UCAPOP9648 T
3 - 5 21/64 (1050)									
4 - 5 3/8 (1355)									
4 - 5 5/8 (1362)	UCAP4054	UCAP4854	UCAP5654	UCAP6054	UCAP6454	UCAP7254 T	UCAP8054 T	UCAP8854 T	UCAP9654 T
4 - 5 1/8 (1349)	UCAPOP4054	UCAPOP4854	UCAPOP5654	UCAPOP6054	UCAPOP6454	UCAPOP7254 T	UCAPOP8054 T	UCAPOP8854 T	UCAPOP9654 T
3 - 11 21/64 (1202)									
4 - 7 3/8 (1406)									
4 - 7 5/8 (1412)	UCAP4056	UCAP4856	UCAP5656	UCAP6056	UCAP6456	UCAP7256 T	UCAP8056 T	UCAP8856 T	UCAP9656 T
4 - 7 1/8 (1400)	UCAPOP4056	UCAPOP4856	UCAPOP5656	UCAPOP6056	UCAPOP6456	UCAPOP7256 T	UCAPOP8056 T	UCAPOP8856 T	UCAPOP9656 T
4 - 1 21/64 (1253)									

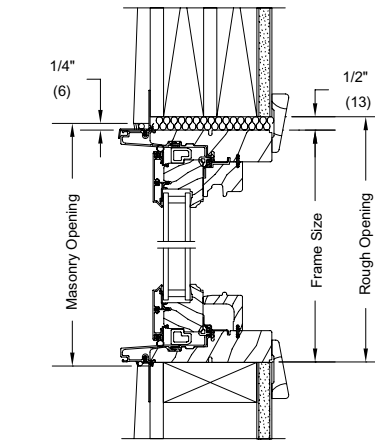
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CASEMENT PICTURE / CASEMENT PUSH OUT PICTURE

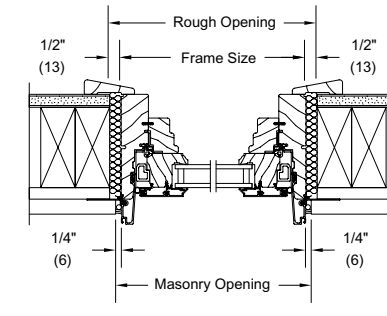
MO (mm)	3 - 4 1/2 (1028)	4 - 1/2 (1232)	4 - 8 1/2 (1435)	5 - 1/2 (1537)	5 - 4 1/2 (1638)	6 - 1/2 (1842)	6 - 8 1/2 (2045)	7 - 4 1/2 (2248)	8 - 1/2 (2451)
RO (mm)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)	5 - 5 (1651)	6 - 1 (1854)	6 - 9 (2057)	7 - 5 (2261)	8 - 1 (2464)
FS (mm)	3 - 4 (1016)	4 - 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 7/8 (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 7/8 (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 7/8 (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 7/8 (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 7/8 (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*	
7 - 7 7/8 (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*	
7 - 11 7/8 (2416)									
7 - 5 21/64 (2269)									

CASEMENT PICTURE / CASEMENT PUSH OUT PICTURE

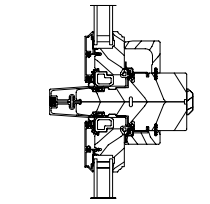
CONSTRUCTION DETAILS



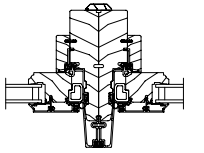
HEAD JAMB AND SILL - PICTURE



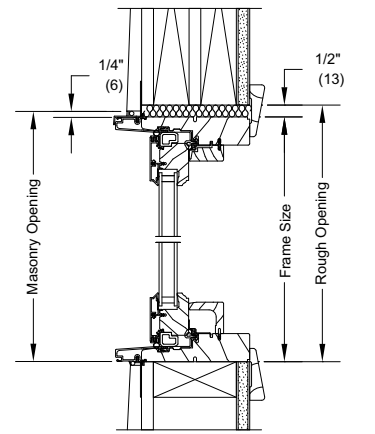
JAMB - PICTURE



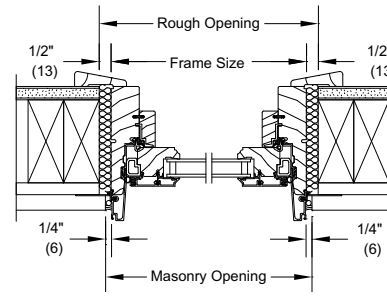
HORIZONTAL MULLION



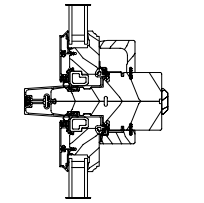
VERTICAL MULLION



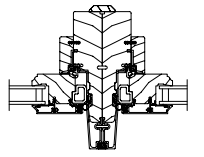
PUSH OUT HEAD JAMB AND SILL - PICTURE



PUSH OUT JAMB - PICTURE



PUSH OUT HORIZONTAL MULLION PICTURE



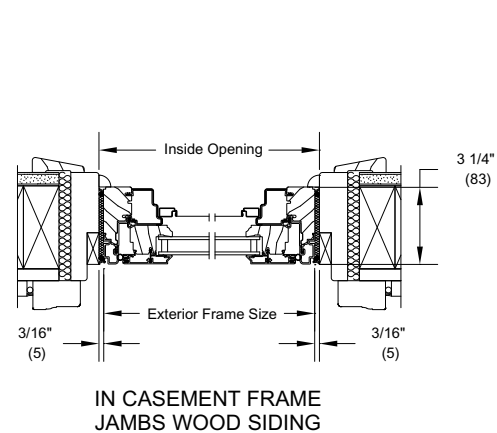
PUSH OUT VERTICAL MULLION PICTURE

Details and Elevations not to scale.
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 * Larger sizes require 1" insulating glass.

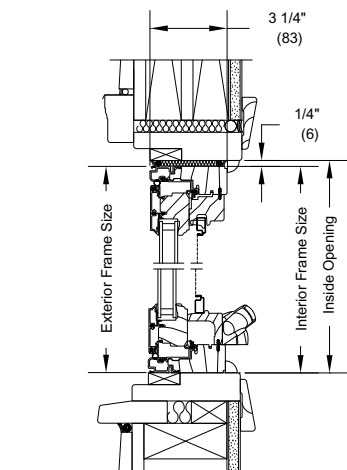
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CASEMENT NARROW FRAME

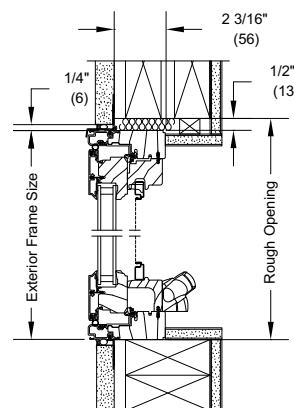
CONSTRUCTION DETAILS



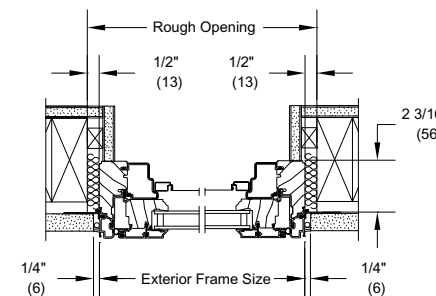
IN CASEMENT FRAME
JAMBS WOOD SIDING



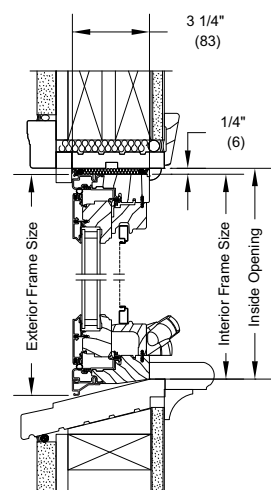
IN CASEMENT FRAME
HEAD JAMB, SILL WOOD SIDING



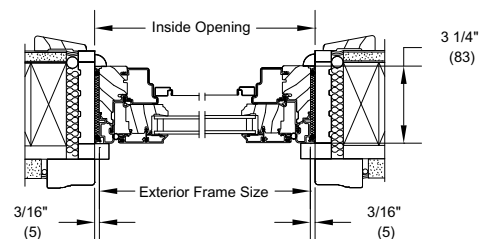
FULL FRAME REPLACE
HEAD JAMB, SILL STUCCO



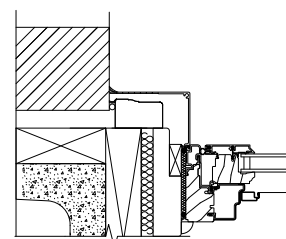
FULL FRAME REPLACE
JAMBS STUCCO



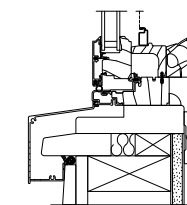
IN DOUBLE HUNG FRAME
HEAD JAMB, SILL STUCCO



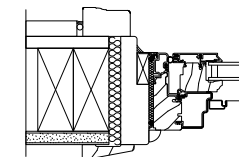
IN DOUBLE HUNG FRAME
JAMBS STUCCO



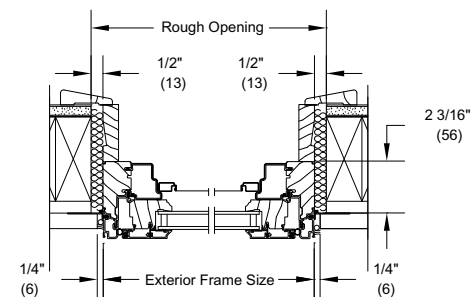
PANNING OPTIONS
MASONRY



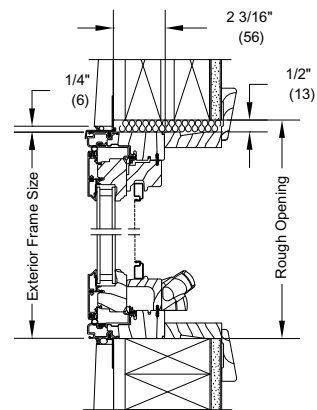
PANNING OPTIONS
SILL



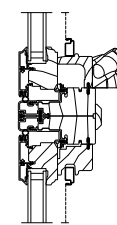
PANNING OPTIONS
FRAME EXPANDER



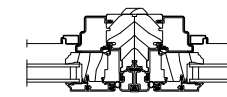
FULL FRAME REPLACE
JAMBS WOOD SIDING



FULL FRAME REPLACE
HEAD JAMB, SILL WOOD SIDING



HORIZONTAL MULLION
OPERATOR



VERTICAL MULLION OPERATOR

Details and Elevations not to scale.

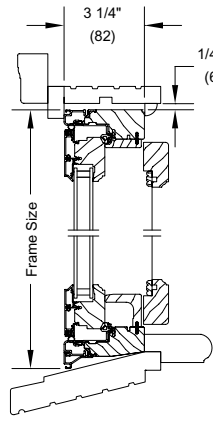
- Ultimate Casement Narrow Frame Windows are manufactured to your specifications.
- 2 3/16" jambs (full frame installation) 3 1/4" jambs frame-in-frame insert application.
- On sizes less than 20" wide, sash does not rotate into wash mode.
- Bottom of the sill is available with either a flat, 8" or 14"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

Please consult your local Marvin representative for more information.

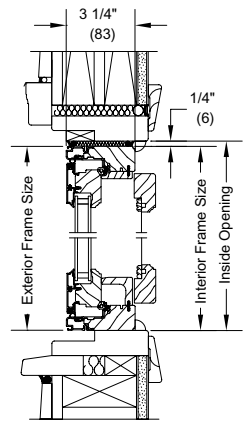
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

CASEMENT NARROW FRAME PUSH OUT

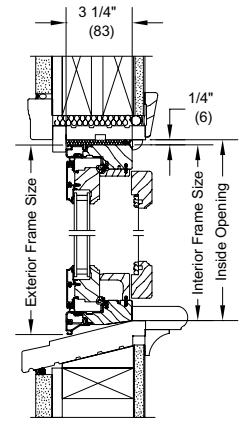
CONSTRUCTION DETAILS - WITH SCREEN



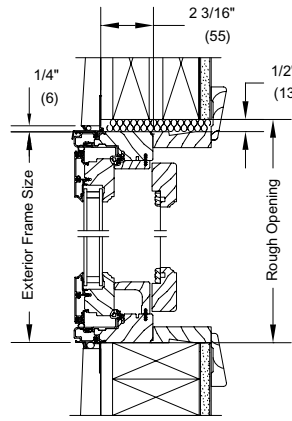
OPERATOR
HEAD JAMB AND SILL



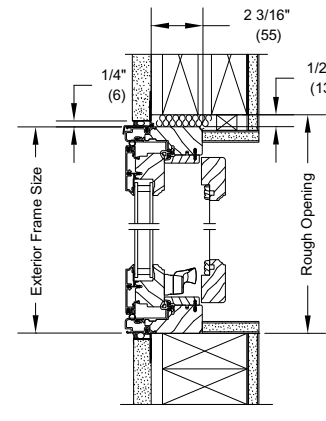
HEAD JAMB AND SILL
WOOD SIDING



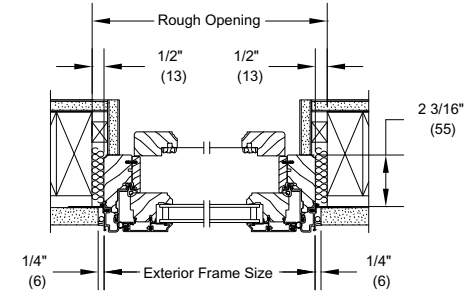
DOUBLE HUNG HEAD JAMB
AND SILL STUCCO



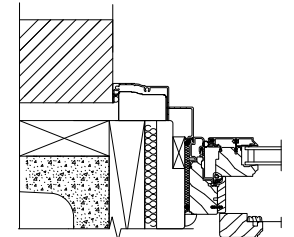
FULL FRAME HEAD JAMB AND
SILL WOOD SIDING



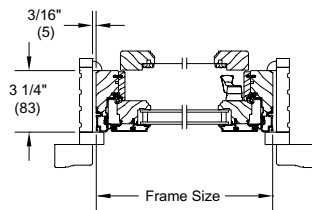
FULL FRAME HEAD JAMB
AND SILL STUCCO



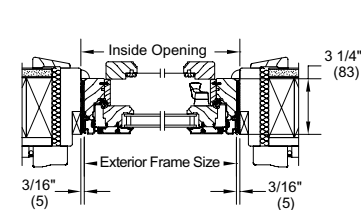
FULL FRAME JAMB
STUCCO



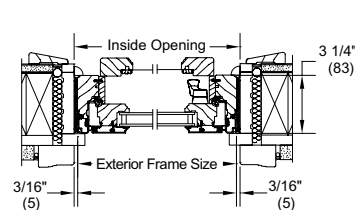
PANNING OPTIONS
MASONRY



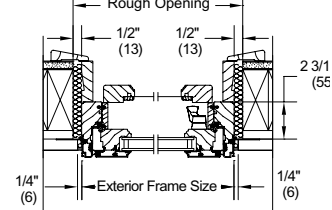
OPERATOR
JAMB



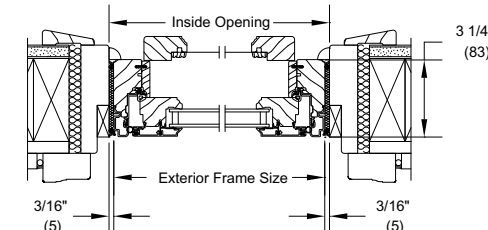
JAMB
WOOD SIDING



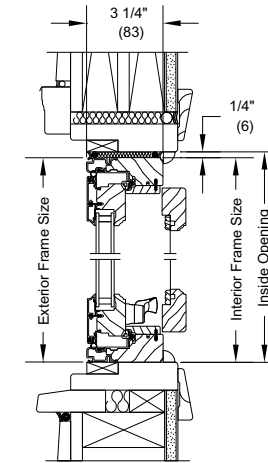
DOUBLE HUNG JAMB
STUCCO



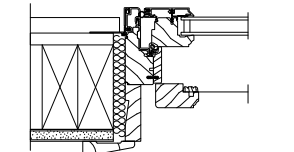
FULL FRAME JAMB
WOOD SIDING



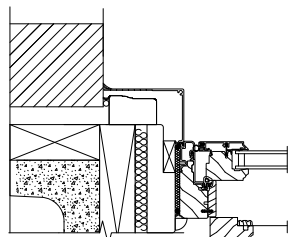
JAMB
INSTALLED IN EXISTING CM FRAME



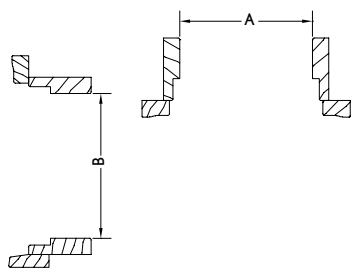
HEAD JAMB AND SILL
INSTALLED IN EXISTING CM FRAME



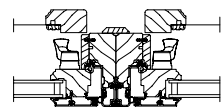
PANNING OPTIONS
KERF COVER



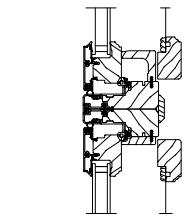
PANNING OPTIONS
MASONRY



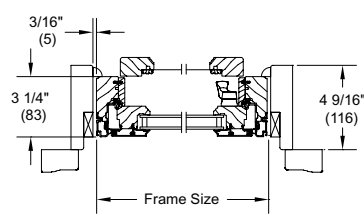
MEASUREMENT INSTRUCTIONS
EXISTING WINDOW FRAME



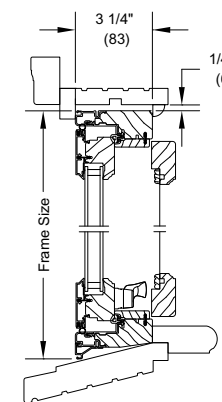
OPERATOR
VERTICAL MULLION



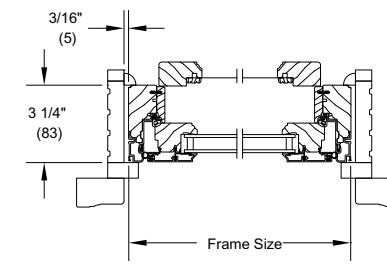
OPERATOR
HORIZONTAL MULLION



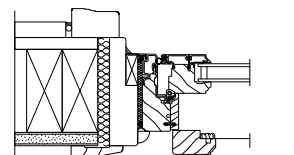
FULL FRAME JAMB
INSTALLED IN EXISTING FRAME



OPERATOR HEAD JAMB AND SILL
INSTALLED IN EXISTING DH FRAME



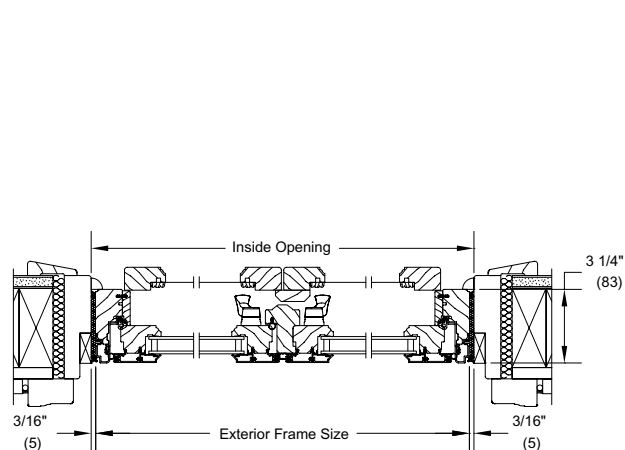
OPERATOR JAMB
INSTALLED IN EXISTING DH FRAME



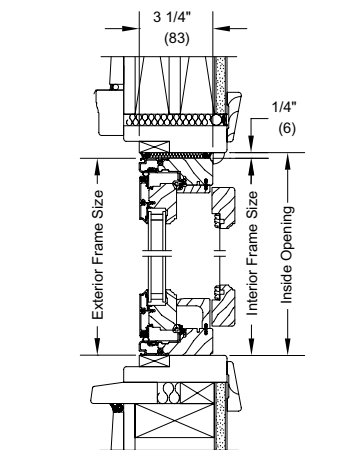
PANNING OPTIONS
FRAME EXPANDER

FRENCH CASEMENT NARROW FRAME PUSH OUT

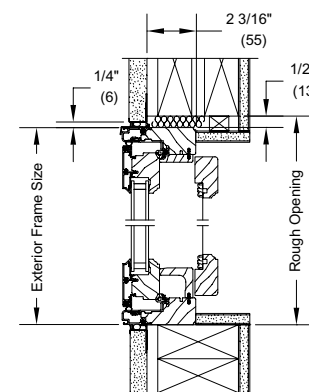
CONSTRUCTION DETAILS - WITH OPTION SCREEN



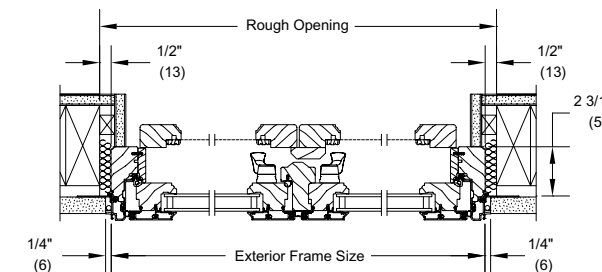
IN CASEMENT FRAME
JAMBS WOOD SIDING



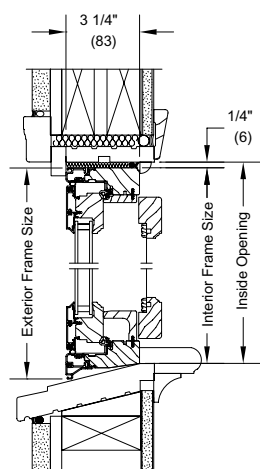
IN CASEMENT FRAME
HEAD JAMB, SILL WOOD SIDING



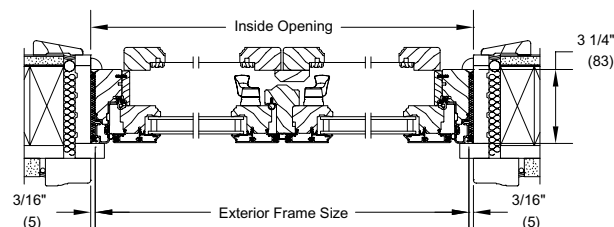
FULL FRAME REPLACE
HEAD JAMB, SILL STUCCO



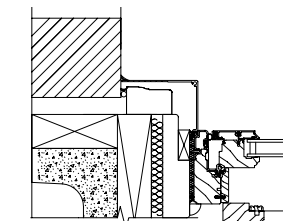
FULL FRAME REPLACE
JAMBS STUCCO



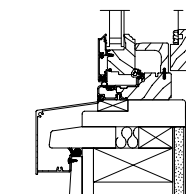
IN DOUBLE HUNG FRAME
HEAD JAMB, SILL STUCCO



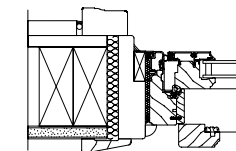
IN DOUBLE HUNG FRAME
JAMBS STUCCO



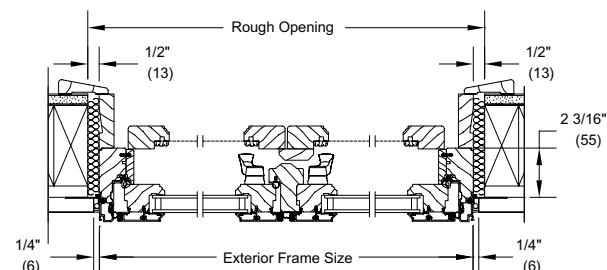
PANNING OPTIONS
MASONRY



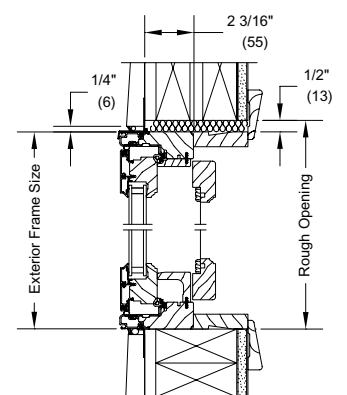
PANNING OPTIONS
SILL



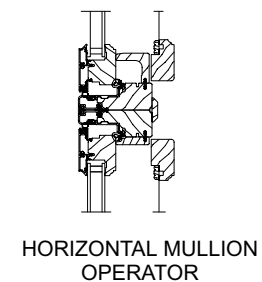
PANNING OPTIONS
FRAME EXPANDER



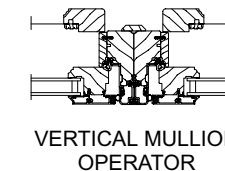
FULL FRAME REPLACE
JAMBS WOOD SIDING



FULL FRAME REPLACE
HEAD JAMB, SILL WOOD SIDING



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.

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)
2 - 8 9/16 (827)	 UWCART1632	 UWCART1832	 UWCART2032						
3 - 9/16 (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 (1137)	 UWCART1656	 UWCART1856	 UWCART2056	 UWCART2456	 UWCART2656 E	 UWCART2856 E	 UWCART3056 E	 UWCART3256 E	 UWCART3656 E	
5 - 9/16 (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 (1643)	 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 (2135)										
	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
4-4 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.

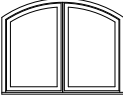
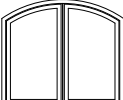
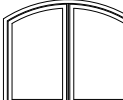
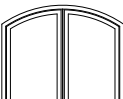
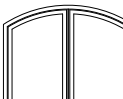
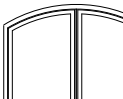
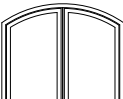
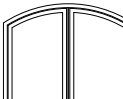
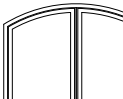
- Marvin exclusive wash mode is not available on Ultimate Casement Round Tops.
- Rough opening height includes ¹⁵/₁₆" subsill.

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.







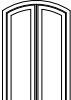
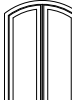
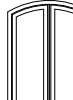
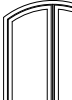
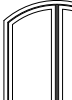
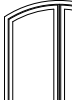












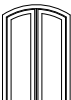
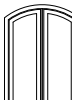
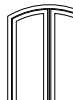
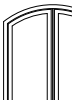
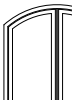
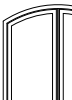






WOOD CASEMENT ROUND TOP

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.

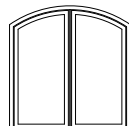
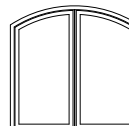
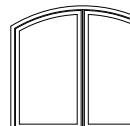
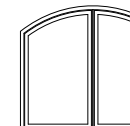
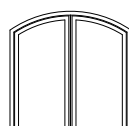
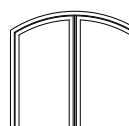
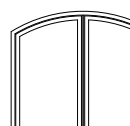
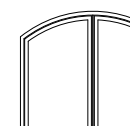
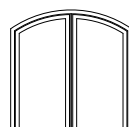
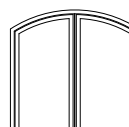
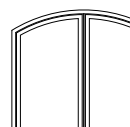
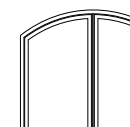
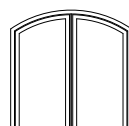
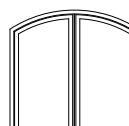
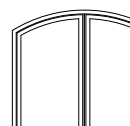
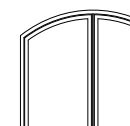
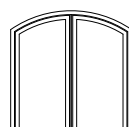
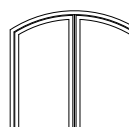
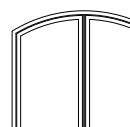
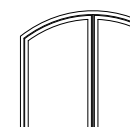
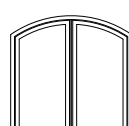
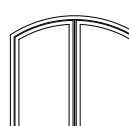
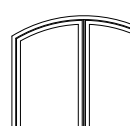
- Marvin exclusive wash mode is not available on Ultimate Casement Round Tops.
- Rough opening height includes ¹⁵/₁₆" subsill.
- E These windows meet national Egress codes for fire evacuation. Local codes may differ.
- T For safety and/or code requirements, Marvin recommends tempered glass in all units 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.

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)	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 (1996)	 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 transoms, add 15/16" to height for subsill.

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

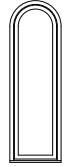

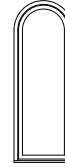
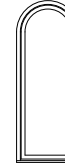

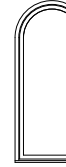

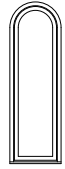

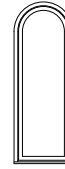
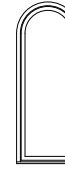

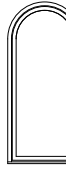

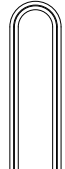

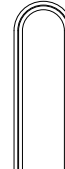
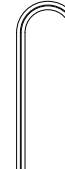

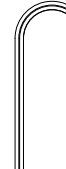

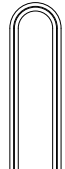

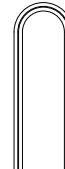
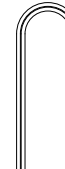

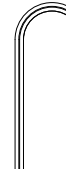
T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with basic frame size 25.2 ft² and larger.

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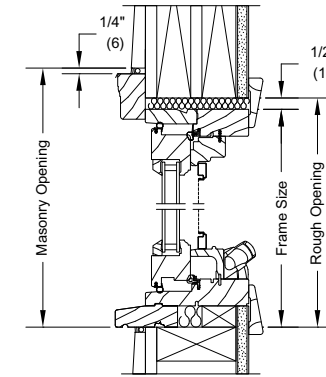
WOOD CASEMENT ROUND TOP

RT2 STANDARD SIZES OPERATOR AND STATIONARY

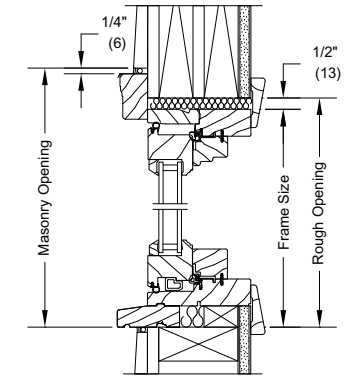
RO (mm)	2 - 1 (635)	2 - 3 (686)	2 - 5 (737)	2 - 7 (787)	2 - 9 (838)	3 - 1 (940)	3 - 5 (1041)
6 - 6 9/16 (1996)	 UWCART2478 T	 UWCART2678 T	 UWCART2878 T	 UWCART3078 T	 UWCART3278 T	 UWCART3678 T	 UWCART4078 T
7 - 9/16 (2148)	 UWCART2484 T	 UWCART2684 T	 UWCART2884 T	 UWCART3084 T	 UWCART3284 T	 UWCART3684 T	 UWCART4084 T
7 - 8 9/16 (2351)	 UWCART2492 T	 UWCART2692 T	 UWCART2892 T	 UWCART3092 T	 UWCART3292 T	 UWCART3692 T	 UWCART4092 T
8 - 9/16 (2453)	 UWCART2496 T	 UWCART2696 T	 UWCART2896 T	 UWCART3096 T	 UWCART3296 T	 UWCART3696 T	

WOOD CASEMENT ROUND TOP

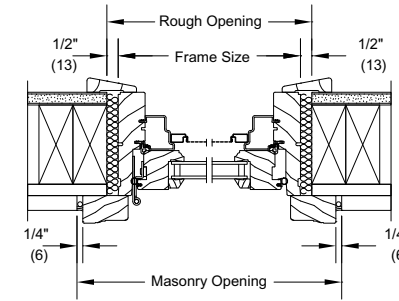
CONSTRUCTION DETAILS



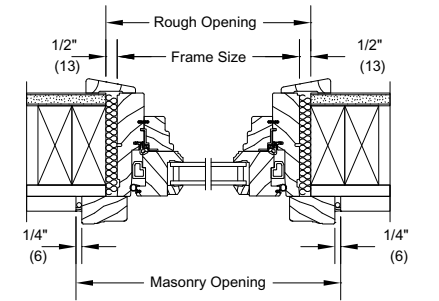
HEAD JAMB AND SILL - OPERATOR



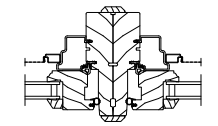
HEAD JAMB AND SILL - STATIONARY



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)	 UWCATRRRT2419	 UWCATRRRT2619	 UWCATRRRT2819	 UWCATRRRT3019	 UWCATRRRT3219
2 - 0 1/2 (622)	 UWCATRRRT2423	 UWCATRRRT2623	 UWCATRRRT2823	 UWCATRRRT3023	 UWCATRRRT3223
3 - 0 1/2 (927)	 UWCATRRRT2435	 UWCATRRRT2635	 UWCATRRRT2835	 UWCATRRRT3035	 UWCATRRRT3235
4 - 0 1/2 (1232)	 UWCATRRRT2447	 UWCATRRRT2647	 UWCATRRRT2847	 UWCATRRRT3047	 UWCATRRRT3247
5 - 0 1/2 (1537)	 UWCATRRRT2459	 UWCATRRRT2659	 UWCATRRRT2859	 UWCATRRRT3059	 UWCATRRRT3259
6 - 0 1/2 (1842)	 UWCATRRRT2471 T	 UWCATRRRT2671 T	 UWCATRRRT2871 T	 UWCATRRRT3071 T	 UWCATRRRT3271 T

Ultimate Wood Casement Transom Picture Round Top: UWCATRRRT

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)	 UWCATRRRT3619	 UWCATRRRT4019	 UWCATRRRT4819	 UWCATRRRT5619	 UWCATRRRT7219
2 - 0 1/2 (622)	 UWCATRRRT3623	 UWCATRRRT4023	 UWCATRRRT4823	 UWCATRRRT5623	 UWCATRRRT7223
3 - 0 1/2 (927)	 UWCATRRRT3635	 UWCATRRRT4035	 UWCATRRRT4835	 UWCATRRRT5635	 UWCATRRRT7235
4 - 0 1/2 (1232)	 UWCATRRRT3647	 UWCATRRRT4047	 UWCATRRRT4847	 UWCATRRRT5647	 UWCATRRRT7247
5 - 0 1/2 (1537)	 UWCATRRRT3659	 UWCATRRRT4059	 UWCATRRRT4859	 UWCATRRRT5659	 UWCATRRRT7259
6 - 0 1/2 (1842)	 UWCATRRRT3671 T	 UWCATRRRT4071 T	 UWCATRRRT4871 T	 UWCATRRRT5671 T	 UWCATRRRT7271 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.
- 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

RO (mm)	2 - 1 (635)	2 - 5 (737)	2 - 9 (838)	2 - 9 (838)
RO (mm)	1 - 1 7/16 (341)	1 - 3 7/16 (392)	1 - 5 7/16 (443)	1 - 7 7/16 (494)
	UWCART2412	UWCART2814	UWCART3216	UWCART3218
RO (mm)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)
RO (mm)	1 - 9 7/16 (645)	2 - 1 7/16 (646)	2 - 5 7/16 (748)	2 - 7 7/16 (799)
	UWCART4020	UWCART4824	UWCART5628	UWCART6030
RO (mm)	5 - 5 (1651)	6 - 1 (1854)	7 - 1 (2159)	8 - 1 (2464)
RO (mm)	2 - 9 7/16 (849)	3 - 1 7/16 (951)	3 - 7 7/16 (1103)	4 - 1 7/16 (1256)
	UWCART6432	UWCART7236	UWCART8442	UWCART9648
RO (mm)	9 - 1 (2769)		10 - 1 (3073)	
RO (mm)	4 - 7 7/16 (1408)		5 - 1 7/16 (1561)	
	UWCART10854		UWCART12060	

RT29 STANDARD SIZES - IN SASH

RO (mm)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	6 - 1 (1854)
RO (mm)	1 - 6 7/8 (479)			
	UWCART4017	UWCART4817	UWCART5617	UWCART7217

WOOD CASEMENT PICTURE ROUND TOP

QUARTER CIRCLE

RT15 AND RT16 STANDARD SIZES (RT16 SHOWN) - IN SASH

RO (mm)	1 - 9 (533)	2 - 1 (635)	2 - 5 (737)	2 - 9 (838)
RO (mm)	1 - 8 9/16 (522)	2 - 0 9/16 (624)	2 - 4 9/16 (725)	2 - 8 9/16 (827)
	UWCART 2020	UWCART 2424	UWCART 2828	UWCART 3232
RO (mm)	3 - 1 (940)	3 - 5 (1041)	4 - 1 (1245)	
RO (mm)	3 - 0 9/16 (929)	3 - 4 9/16 (1030)	3 - 11 5/8 (1210)	
	UWCART 3636	UWCART 4040	UWCART 4848	

FULL CIRCLE

RT27 STANDARD SIZES - IN SASH

RO (mm)	2 - 1 1/2 (648)	3 - 1 1/2 (953)	4 - 1 1/2 (1257)	5 - 1 1/2 (1562)	6 - 1 1/2 (1867)
RO (mm)	2 - 1 (635)	3 - 1 (940)	4 - 1 (1245)	5 - 1 (1549)	6 - 1 (1854)
	UWCART 2750	UWCART 3950	UWCART 5150	UWCART 6350	UWCART 7550

ELLIPSE

RT28 STANDARD SIZES - IN SASH

RO (mm)	2 - 9 (838)	3 - 5 (1041)
RO (mm)	4 - 0 1/2 (1232)	5 - 0 1/2 (1537)
	UWCART 3248	UWCART 4060

Ultimate Wood Casement Picture Round Top: UWCART

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

WOOD DIRECT GLAZE ROUND TOP – CASEMENT

RT15 AND 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
RO (mm)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)	5-5 (1651)
1 - 8 1/2 (621)	UWDGRT4020	UWDGRT4824	UWDGRT5628	UWDGRT6026	UWDGRT6432
RO (mm)	6 - 1 (1854)	7 - 1 (2159)	8 - 1 (2464)		
3 - 0 1/2 (927)	UWDGRT7236	UWDGRT8442	UWDGRT9648		

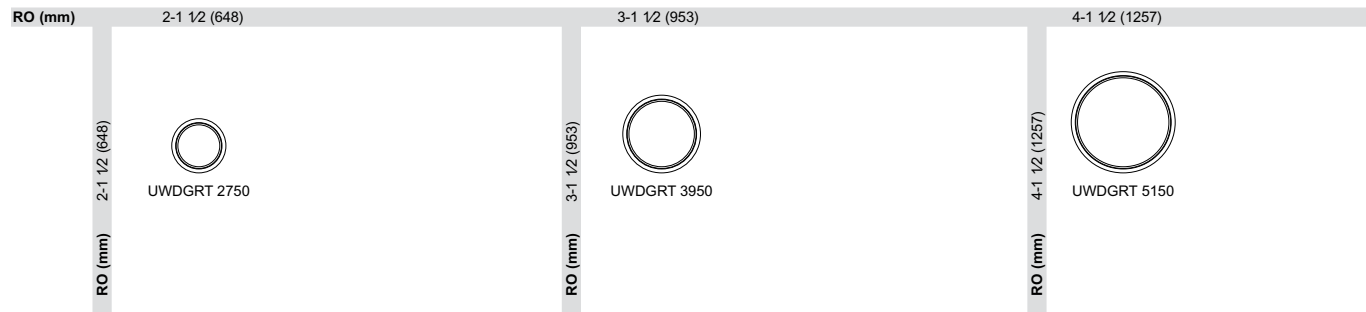
RT29 STANDARD SIZES - DIRECT GLAZE

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

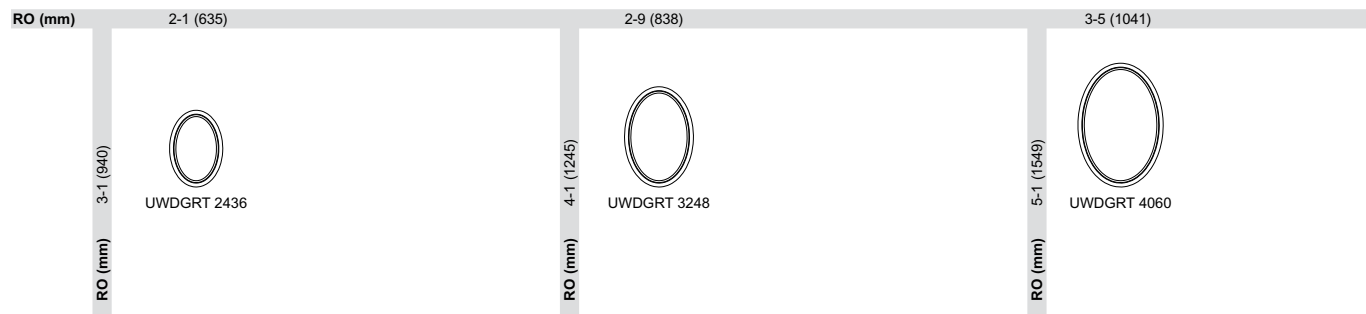
Details and Elevations not to scale.
 Please consult your local Marvin representative for masonry openings that include casings.
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

WOOD DIRECT GLAZE ROUND TOP – CASEMENT

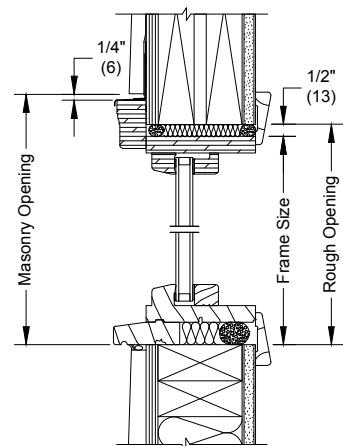
RT27 FULL CIRCLE STANDARD SIZES - DIRECT GLAZE



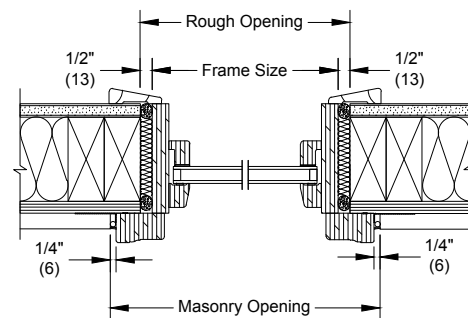
RT28 ELLIPSE STANDARD SIZES - DIRECT GLAZE



CONSTRUCTION DETAILS



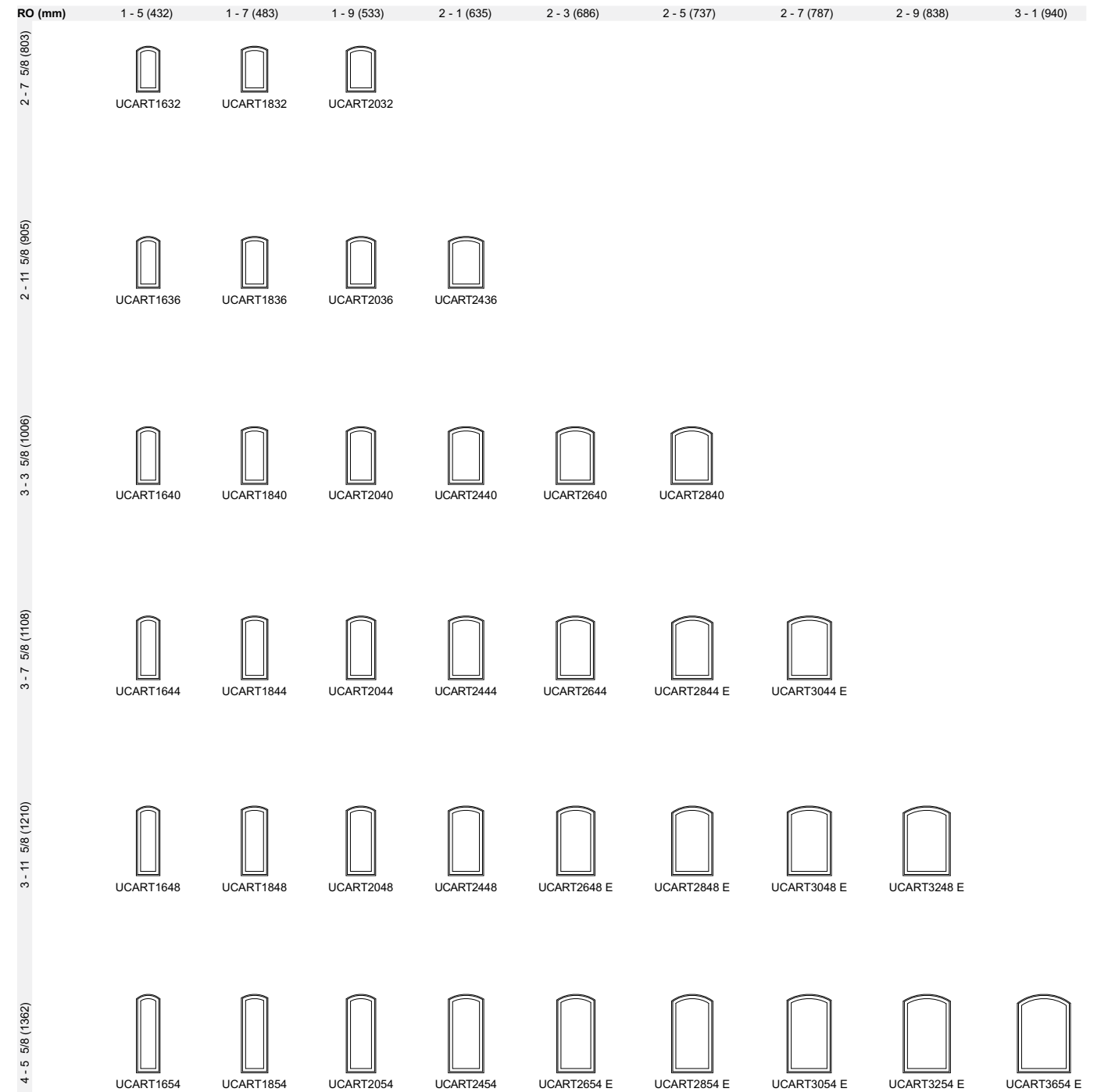
HEAD JAMB AND SILL - DIRECT GLAZE



JAMB - DIRECT GLAZE

CASEMENT ROUND TOP

RT6 EYEBROW ABOVE SPRINGLINE STANDARD SIZES - OPERATOR AND STATIONARY



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)										
	UCART1656	UCART1856	UCART2056	UCART2456	UCART2656 E	UCART2856 E	UCART3056 E	UCART3256 E	UCART3656 E	
4 - 11 5/8 (1514)										
	UCART1660	UCART1860	UCART2060	UCART2460	UCART2660 E	UCART2860 E	UCART3060 E	UCART3260 E	UCART3660 E	UCART4060 E
5 - 3 5/8 (1616)										
	UCART1664	UCART1864	UCART2064	UCART2464	UCART2664 E	UCART2864 E	UCART3064 E	UCART3264 E	UCART3664 E	UCART4064 E
5 - 11 5/8 (1819)										
	UCART1672 T	UCART1872 T	UCART2072 T	UCART2472 T	UCART2672 T	UCART2872 T	UCART3072 T	UCART3272 T	UCART3672 T	UCART4072 T
6 - 5 5/8 (1972)										
	UCART1678 T	UCART1878 T	UCART2078 T	UCART2478 T	UCART2678 T	UCART2878 T	UCART3078 T	UCART3278 T	UCART3678 T	UCART4078 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

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)										
	UCART1684 T	UCART1884 T	UCART2084 T	UCART2484 T	UCART2684 T	UCART2884 T	UCART3084 T	UCART3284 T	UCART3684 T	UCART4084 T
7 - 7 5/8 (2327)										
	UCART1692 T	UCART1892 T	UCART2092 T	UCART2492 T	UCART2692 T	UCART2892 T	UCART3092 T	UCART3292 T	UCART3692 T	UCART4092 T
7 - 11 5/8 (2429)										
	UCART1696 T	UCART1896 T	UCART2096 T	UCART2496 T	UCART2696 T	UCART2896 T	UCART3096 T	UCART3296 T	UCART3696 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.






































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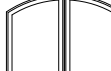
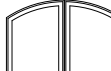

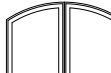

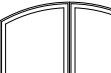


CASEMENT ROUND TOP

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.

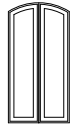
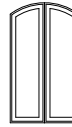
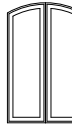
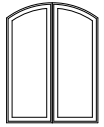
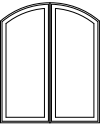
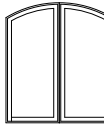
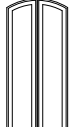
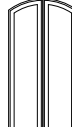
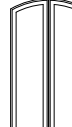
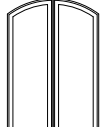
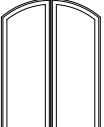
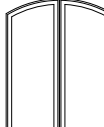
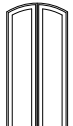
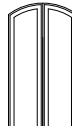
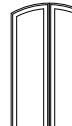
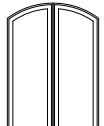
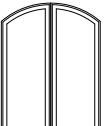
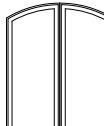
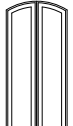
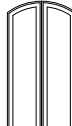
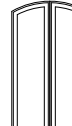
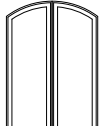
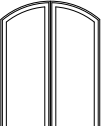
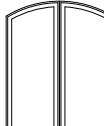
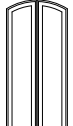
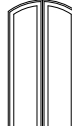
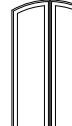
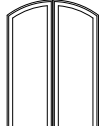
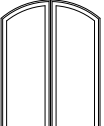
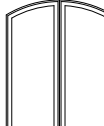
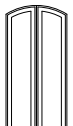
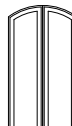
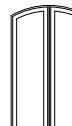
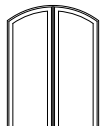
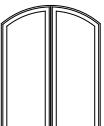
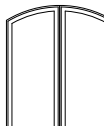
E These windows meet national Egress codes for fire evacuation. Local codes may differ.

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 ft². Please consult your local Marvin representative for more information.

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


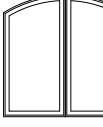
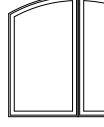
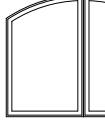

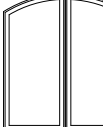
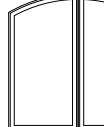
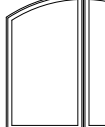
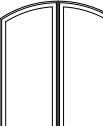
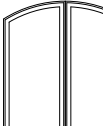
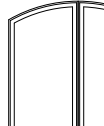
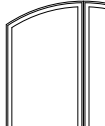
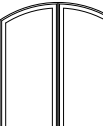
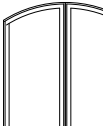
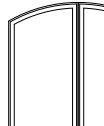
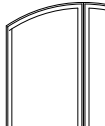
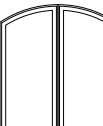
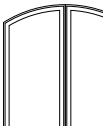
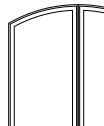
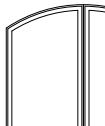
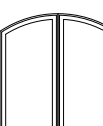
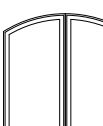
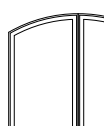
CASEMENT ROUND TOP

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.

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





























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


























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.

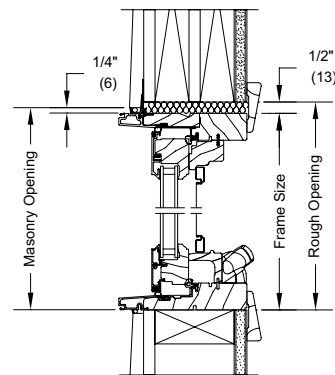
T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with basic frame size 25.2 ft².

Please consult your local Marvin representative for more information.

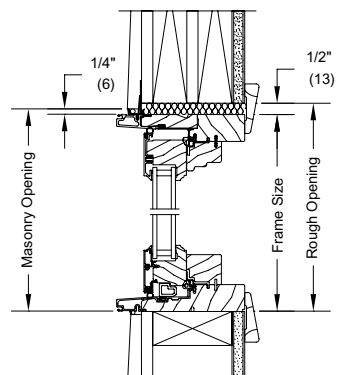
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

CASEMENT ROUND TOP

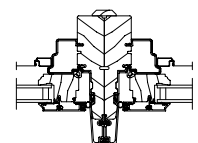
CONSTRUCTION DETAILS



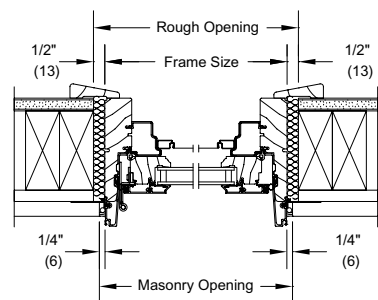
HEAD JAMB AND SILL - OPERATOR



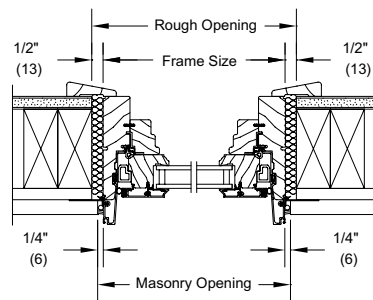
HEAD JAMB AND SILL - STATIONARY



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 (827)	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

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 (368)				
1 - 4 1/2 (419)				
1 - 6 1/2 (470)				
RO (mm)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)
1 - 8 1/2 (621)	UCART4020	UCART4824	UCART5628	UCART6030
2 - 0 1/2 (622)				
2 - 4 1/2 (724)				
2 - 6 1/2 (775)				
RO (mm)	5 - 5 (1651)	6 - 1 (1854)	7 - 1 (2159)	8 - 1 (2464)
2 - 8 1/2 (826)	UCART6432	UCART7236	UCART8442	UCART9648
3 - 0 1/2 (927)				
3 - 6 1/2 (1080)				
4 - 0 1/2 (1232)				
RO (mm)	9 - 1 (2769)	10 - 1 (3073)		
4 - 6 1/2 (1384)	UCART10854	UCART12060		
5 - 0 1/2 (1537)				

RT29 STANDARD SIZES - IN SASH

RO (mm)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	6 - 1 (1854)
1 - 5 15/16 (456)	UCART4017	UCART4817	UCART5617	UCART7217

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

QUARTER CIRCLE
RT15 AND RT16 STANDARD SIZES (RT16 SHOWN) - IN SASH

RO (mm)	1 - 9 (533)	2 - 1 (635)	2 - 5 (737)	2 - 9 (838)
RO (mm)	1 - 7 5/8 (498)	1 - 11 5/8 (600)	2 - 3 5/8 (702)	2 - 7 5/8 (803)
	UCART 2020	UCART 2424	UCART 2828	UCART 3232
RO (mm)	3 - 1 (940)	3 - 5 (1041)		4 - 1 (1245)
RO (mm)	2 - 11 5/8 (905)	3 - 3 5/8 (1006)		3 - 11 3/8 (1203)
	UCART 3636	UCART 4040		UCART 4848

FULL CIRCLE
RT27 STANDARD SIZES - IN SASH

RO (mm)	2 - 1 1/2 (648)	3 - 1 1/2 (953)	4 - 1 1/2 (1257)	5 - 1 1/2 (1562)	6 - 1 1/2 (1867)
RO (mm)	2 - 1 (635)	3 - 1 (940)	4 - 1 (1245)	5 - 1 (1549)	6 - 1 (1854)
	UCART 2750	UCART 3950	UCART 5150	UCART 6350	UCART 7550

ELLIPSE
RT28 STANDARD SIZES - IN SASH

RO (mm)	2 - 9 (838)	3 - 5 (1041)
RO (mm)	4 - 1 (1245)	5 - 1 (1549)
	UCART 3248	UCART 4060

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)
RO (mm)	1-0 1/2 (318)							
	UDGRT2411	UDGRT2811	UDGRT3211	UDGRT3611	UDGRT4011			
RO (mm)	1-6 1/2 (470)							
	UDGRT2419	UDGRT2819	UDGRT3219	UDGRT3619	UDGRT4019	UDGRT4819	UDGRT5619	UDGRT7219
RO (mm)	2-0 1/2 (622)							
	UDGRT2423	UDGRT2823	UDGRT3223	UDGRT3623	UDGRT4023	UDGRT4823	UDGRT5623	UDGRT7223
RO (mm)	3-0 1/2 (927)							
	UDGRT2435	UDGRT2835	UDGRT3235	UDGRT3635	UDGRT4035	UDGRT4835	UDGRT5635	UDGRT7235
RO (mm)	4-0 1/2 (1232)							
	UDGRT2447	UDGRT2847	UDGRT3247	UDGRT3647	UDGRT4047	UDGRT4847	UDGRT5647	UDGRT7247
RO (mm)	5-0 1/2 (1537)							
	UDGRT2459	UDGRT2859	UDGRT3259	UDGRT3659	UDGRT4059	UDGRT4859	UDGRT5659	UDGRT7259
RO (mm)	6-0 1/2 (1842)							
	UDGRT2471	UDGRT2871	UDGRT3271	UDGRT3671	UDGRT4071	UDGRT4871	UDGRT5671	UDGRT7271

RT15 AND RT16 STANDARD SIZES (RT16 SHOWN)

RO (mm)	1 - 9 (533)	2 - 1 (635)	2 - 5 (737)	2 - 9 (838)	3 - 1 (940)	3 - 5 (1041)	4 - 1 (1245)
RO (mm)	1 - 7 5/8 (498)	1 - 11 5/8 (600)	2 - 3 5/8 (702)	2 - 7 5/8 (803)	2 - 11 5/8 (905)	3 - 3 5/8 (1006)	3 - 11 5/8 (1210)
	UDGRT 2020	UDGRT 2424	UDGRT 2828	UDGRT 3232	UDGRT 3636	UDGRT 4040	UDGRT Q4848

Ultimate Direct Glaze Round Top: UDGRT

DIRECT GLAZE ROUND TOP – CASEMENT

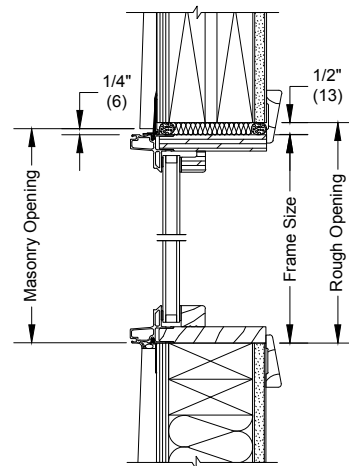
RT1 TRUE HALF CIRCLE STANDARD SIZES - DIRECT GLAZE

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 (927)	3 - 6 1/2 (1080)	4 - 0 1/2 (1232)		
	UDGRT7236	UDGRT8442	UDGRT9648		

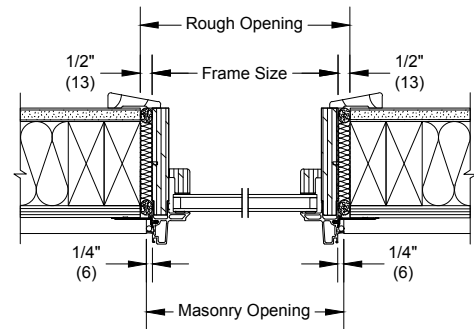
RT29 STANDARD SIZES - DIRECT GLAZE

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



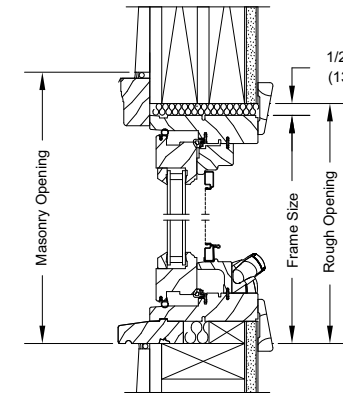
HEAD JAMB AND SILL - DIRECT GLAZE



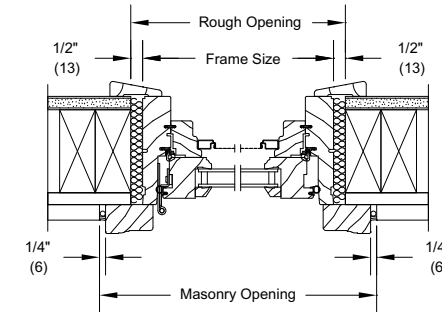
JAMB - DIRECT GLAZE

CASEMENT POLYGON

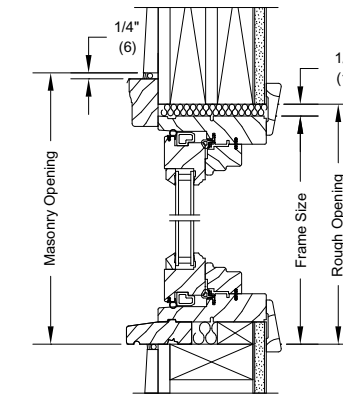
CONSTRUCTION DETAILS



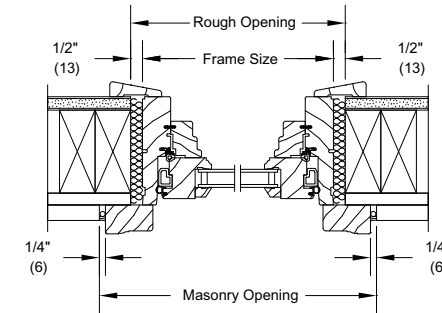
HEAD JAMB AND SILL - OPERATOR



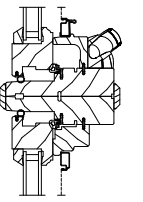
JAMB - OPERATOR



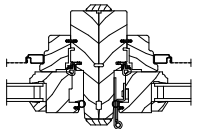
HEAD JAMB AND SILL - STATIONARY



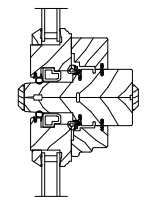
JAMB - STATIONARY



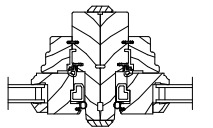
HORIZONTAL MULLION OPERATOR



VERTICAL MULLION OPERATOR



HORIZONTAL MULLION STATIONARY



VERTICAL MULLION STATIONARY

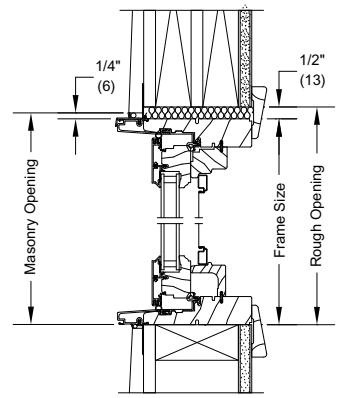
Details and Elevations not to scale.

Please consult your local Marvin representative for more information.

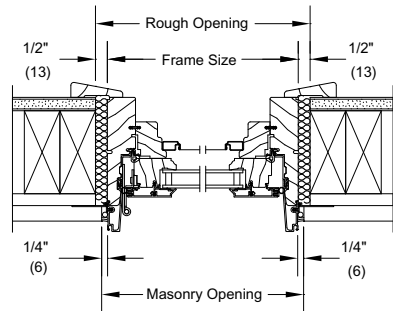
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

CASEMENT POLYGON

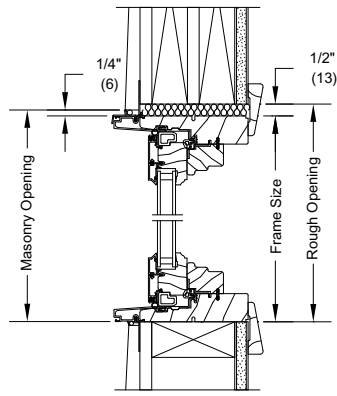
CONSTRUCTION DETAILS



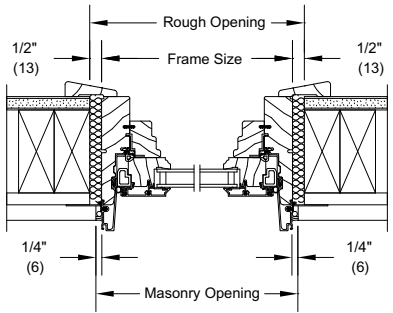
HEAD JAMB AND SILL - OPERATOR



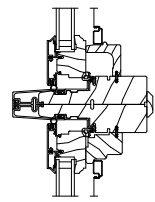
JAMB - OPERATOR



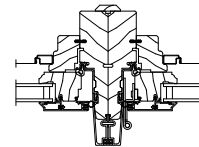
HEAD JAMB AND SILL - STATIONARY



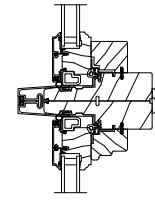
JAMB - STATIONARY



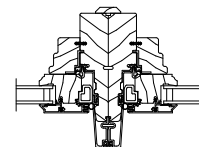
HORIZONTAL MULLION OPERATOR



VERTICAL MULLION OPERATOR



HORIZONTAL MULLION STATIONARY




















































VERTICAL MULLION STATIONARY

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)
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)								

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 (898) 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.




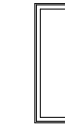





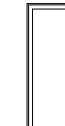



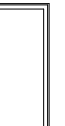







CASEMENT VENTING PICTURE

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.

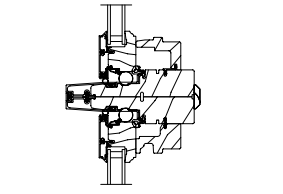
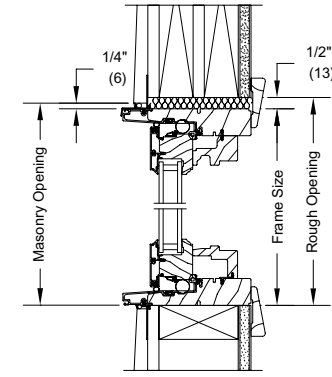
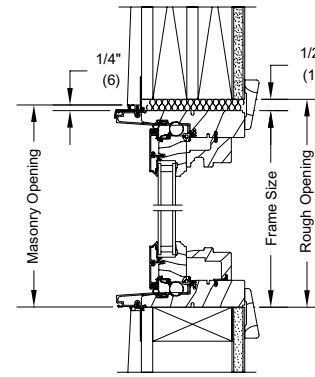
CASEMENT VENTING PICTURE

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)

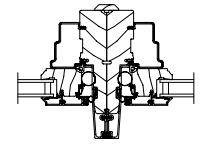
5 - 3 3/8 (1609) 5 - 3 5/8 (1616) 5 - 3 7/8 (1603) 4 - 9 21/64 (1456)							
5 - 11 3/8 (1812) 5 - 11 5/8 (1819) 5 - 11 7/8 (1806) 5 - 5 21/64 (1659)							
6 - 5 3/8 (1965) 6 - 5 5/8 (1971) 6 - 5 7/8 (1958) 5 - 11 21/64 (1812)							
6 - 11 3/8 (2117) 6 - 11 5/8 (2124) 6 - 11 7/8 (2111) 6 - 5 21/64 (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

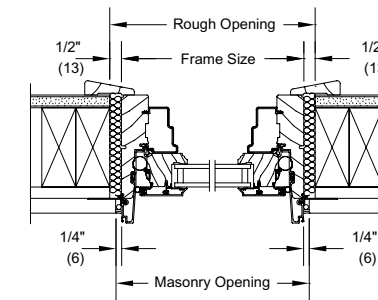
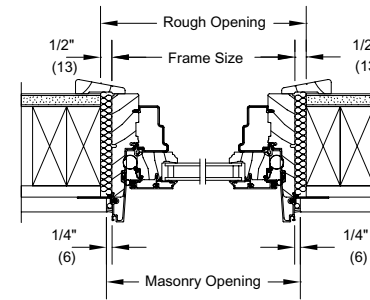
CONSTRUCTION DETAILS



HORIZONTAL MULLION

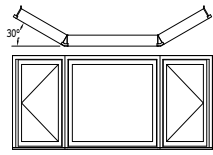


VERTICAL MULLION



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)

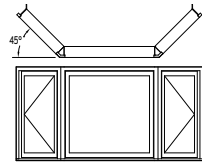
24-24-24	5-10 1/4 (1784)	13 3/8" (340)
24-28-24	6-2 1/4 (1885)	13 3/8" (340)
24-32-24	6-6 1/4 (1987)	13 3/8" (340)
24-36-24	6-10 1/4 (2089)	13 3/8" (340)
24-40-24	7-2 1/4 (2190)	13 3/8" (340)
24-48-24	7-10 1/4 (2393)	13 3/8" (340)
24-56-24	8-6 1/4 (2597)	13 3/8" (340)
24-60-24	8-10 1/4 (2698)	13 3/8"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

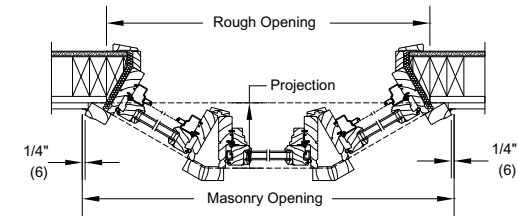
28-28-28	6-0 27/32 (1850)	22 1/4" (565)
28-32-28	6-4 27/32 (1952)	22 1/4" (565)
28-36-28	6-8 27/32 (2053)	22 1/4" (565)
28-40-28	7-0 27/32 (2155)	22 1/4" (565)
28-48-28	7-8 27/32 (2358)	22 1/4" (565)
28-56-28	8-4 27/32 (2561)	22 1/4" (565)
28-60-28	8-8 27/32 (2663)	22 1/4" (565)
28-64-28	9-0 27/32 (2765)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

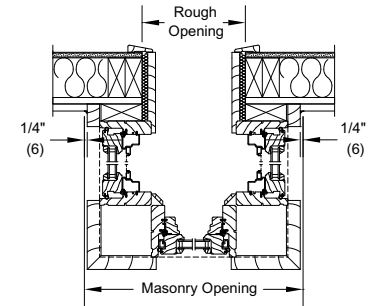
36-36-36	7-8 5/32 (2341)	27 29/32" (709)
36-40-36	8-0 5/32 (2442)	27 29/32" (709)
36-48-36	8-8 5/32 (2646)	27 29/32" (709)
36-56-36	9-4 5/32 (2849)	27 29/32" (709)
36-60-36	9-8 5/32 (2950)	27 29/32" (709)
36-64-36	10-0 5/32 (3052)	27 29/32" (709)
36-72-36	10-8 5/32 (3255)	27 29/32" (709)

WOOD CASEMENT BAY

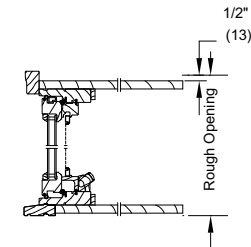
CONSTRUCTION DETAILS



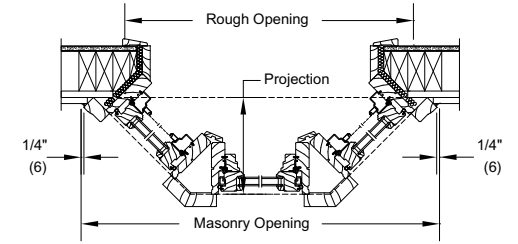
30° ULTIMATE WOOD CASEMENT BAY WITH STATIONARY CENTER JAMB



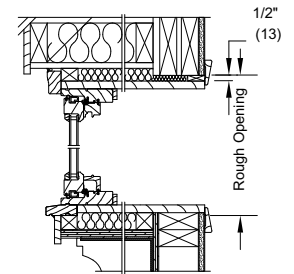
90° ULTIMATE WOOD CASEMENT BAY WITH STATIONARY CENTER UNIT JAMB



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.

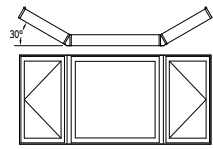
- Above dimensions include head and seat boards. If no head board, deduct 1/16" (17) in rough opening height.

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)

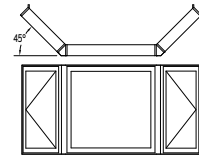
24-24-24	5-10 1/2 (1791)	12 5/8" (320)
24-28-24	6-2 1/2 (1892)	12 5/8" (320)
24-32-24	6-6 1/2 (1994)	12 5/8" (320)
24-36-24	6-10 1/2 (2096)	12 5/8" (320)
24-40-24	7-2 1/2 (2197)	12 5/8" (320)
24-48-24	7-10 1/2 (2400)	12 5/8" (320)
24-56-24	8-6 1/2 (2604)	12 5/8" (320)
24-60-24	8-10 1/2 (2705)	12 5/8"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

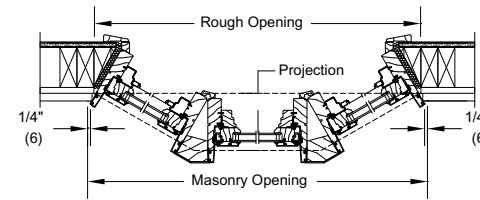
28-28-28	6-2 5/16 (1887)	21 1/8" (537)
28-32-28	6-6 5/16 (1989)	21 1/8" (537)
28-36-28	6-10 5/16 (2090)	21 1/8" (537)
28-40-28	7-2 5/16 (2192)	21 1/8" (537)
28-48-28	7-10 5/16 (2395)	21 1/8" (537)
28-56-28	8-6 5/16 (2598)	21 1/8" (537)
28-60-28	8-10 5/16 (2700)	21 1/8" (537)
28-64-28	9-2 5/16 (2802)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

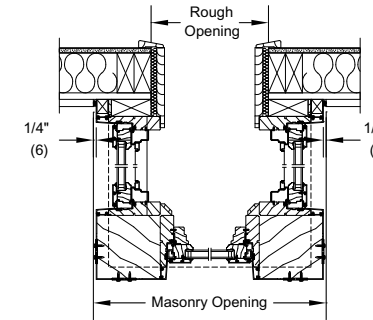
36-36-36	7-9 5/8 (2378)	26 13/16" (681)
36-40-36	8-1 5/8 (2479)	26 13/16" (681)
36-48-36	8-9 5/8 (2683)	26 13/16" (681)
36-56-36	9-5 5/8 (2886)	26 13/16" (681)
36-60-36	9-9 5/8 (2987)	26 13/16" (681)
36-64-36	10-1 5/8 (3089)	26 13/16" (681)
36-72-36	10-9 5/8 (3292)	26 13/16" (681)

CASEMENT BAY

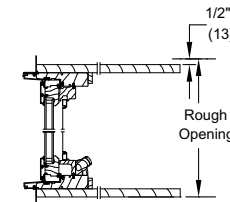
CONSTRUCTION DETAILS



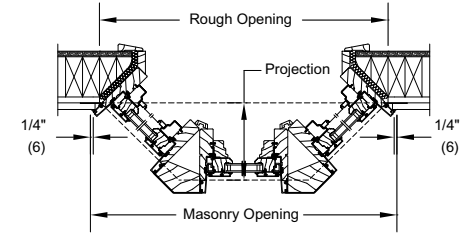
30° ULTIMATE CASEMENT BAY WITH STATIONARY CENTER JAMB



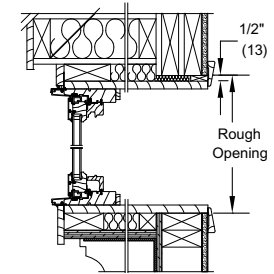
90° ULTIMATE CASEMENT BAY WITH STATIONARY CENTER UNIT JAMB



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.

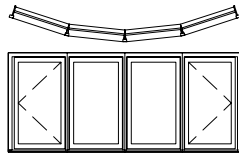
- Above dimensions include head and seat boards. If no head board, deduct 1/16" (17) in rough opening height.

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

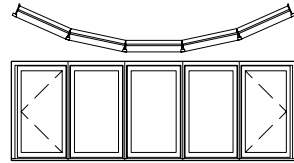
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

WOOD CASEMENT BOW

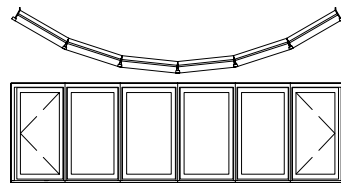
CONSTRUCTION DETAILS



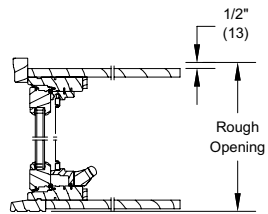
ULTIMATE WOOD CASEMENT
4-WIDE BOW



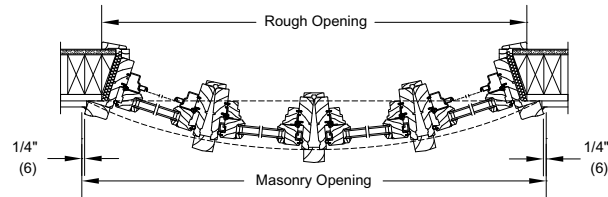
ULTIMATE WOOD CASEMENT
5-WIDE BOW



ULTIMATE WOOD CASEMENT
6-WIDE BOW



ULTIMATE WOOD CASEMENT
OPERATOR HEAD JAMB AND SILL



ULTIMATE WOOD CASEMENT JAMB

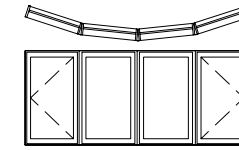
UNIT NO. (WIDTH)	ROUGH OPENING (WIDTH)	PROJECTION
16-4W	5-5 3/4 (1670)	7 11/32" (187)
16-5W	6-8 11/16 (2049)	10 7/8" (276)
16-6W	7-10 5/8 (2404)	16 1/32" (407)
20-4W	6-9 5/16 (2066)	9" (229)
20-5W	8-3 13/16 (2535)	13 5/16" (338)
20-6W	9-9 1/8 (2975)	19 11/16" (500)
24-4W	8-0 7/8 (2461)	10 21/32" (270)
24-5W	9-10 13/16 (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

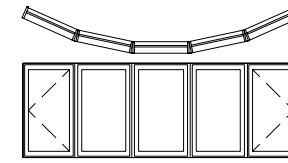
UNIT NO. (HEIGHT)	ROUGH OPENING (HEIGHT)
24	2-1 1/4 (641)
32	2-9 1/4 (845)
36	3-1 1/4 (946)
40	3-5 1/4 (1048)
48	4-1 1/4 (1251)
56	4-9 1/4 (1454)
60	5-1 1/4 (1556)
64	5-5 1/4 (1657)
72	6-1 1/4 (1861)

CASEMENT BOW

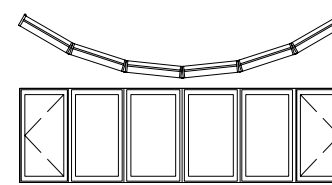
CONSTRUCTION DETAILS



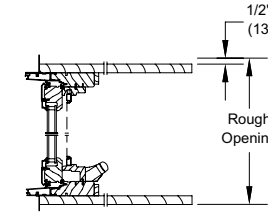
ULTIMATE CASEMENT
4-WIDE BOW



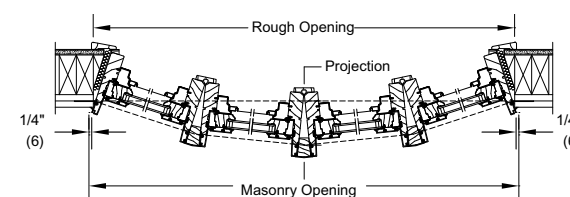
ULTIMATE CASEMENT
5-WIDE BOW



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 9/32 (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 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.

GLIDER - XO, OX, XX

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 1/2 (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)	1-1 9/32 (337)	1-4 9/32 (413)	1-7 9/32 (490)	1-10 9/32 (566)	2-1 9/32 (642)	2-4 9/32 (718)	2-7 9/32 (794)
1-11 3/4 (603)							
2-0 (610)							
1-11 1/2 (587)							
2-5 3/4 (756)							
2-6 (762)							
2-5 1/2 (749)							
1-10 23/32 (577)							
2-11 3/4 (908)							
3-0 (914)							
2-11 1/2 (902)							
2-4 23/32 (729)							
3-5 3/4 (1060)							
3-6 (1067)							
3-5 1/2 (1054)							
2-10 23/32 (682)							
3-11 3/4 (1213)							
4-0 (1219)							
3-11 1/2 (1207)							
3-4 23/32 (1034)							
4-5 3/4 (1365)							
4-6 (1372)							
4-5 1/2 (1359)							
3-10 23/32 (1187)							
4-11 3/4 (1518)							
5-0 (1524)							
4-11 1/2 (1511)							
4-4 23/32 (1339)							
5-5 3/4 (1670)							
5-6 (1676)							
5-5 1/2 (1664)							
4-10 23/32 (1491)							
5-11 3/4 (1822)							
6-0 (1829)							
5-11 1/2 (1816)							
5-4 23/32 (1644)							

GLIDER TRIPLE SASH - XOX

MO (mm)	6-0 (1829)	8-0 (2438)	10-0 (3048)
RO (mm)	6-0 1/2 (1842)	8-0 1/2 (2451)	10-0 1/2 (3061)
FS (mm)	5-11 1/2 (1816)	7-11 1/2 (2426)	9-11 1/2 (3035)
DLO (mm)	1-1 9/32 (337)	1-7 9/32 (490)	2-1 9/32 (642)
1-11 3/4 (603)			
2-0 (610)			
1-11 1/2 (587)			
2-5 3/4 (756)			
2-6 (762)			
2-5 1/2 (749)			
1-11 25/32 (604)			
2-11 3/4 (908)			
3-0 (914)			
2-11 1/2 (902)			
2-5 25/32 (756)			
3-5 3/4 (1060)			
3-6 (1067)			
3-5 1/2 (1054)			
2-11 25/32 (604)			
3-11 3/4 (1213)			
4-0 (1219)			
3-11 1/2 (1207)			
3-5 25/32 (1061)			
4-5 3/4 (1365)			
4-6 (1372)			
4-5 1/2 (1359)			
3-11 25/32 (1214)			
4-11 3/4 (1518)			
5-0 (1524)			
4-11 1/2 (1511)			
4-5 25/32 (1366)			
5-5 3/4 (1670)			
5-6 (1676)			
5-5 1/2 (1664)			
4-11 25/32 (1518)			
5-11 3/4 (1822)			
6-0 (1829)			
5-11 1/2 (1816)			
5-5 25/32 (1671)			

Details and Elevations not to scale.

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

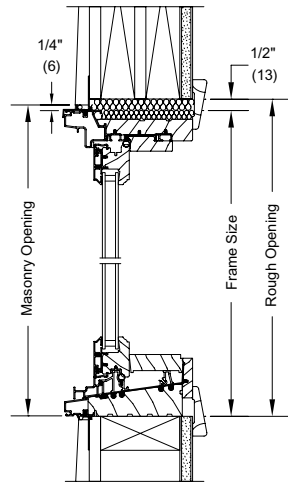
E These windows meet national Egress codes for fire evacuation. Local codes may differ.

Please consult your local Marvin representative for more information.

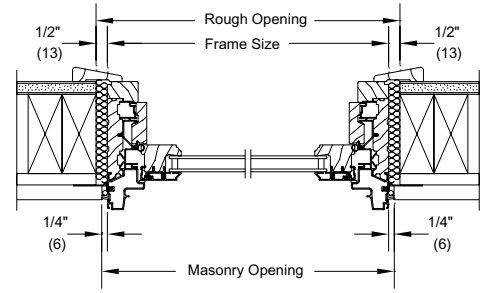
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

GLIDER PICTURE

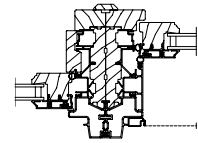
CONSTRUCTION DETAILS



HEAD JAMB AND SILL - PICTURE



JAMB - PICTURE

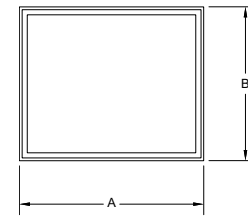


VERTICAL MULLION
PICTURE/OPERATOR

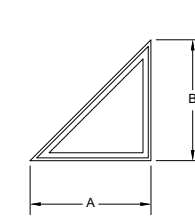
WOOD / CLAD POLYGONS AND SPECIAL SHAPES

HOW TO SPECIFY DIMENSIONS

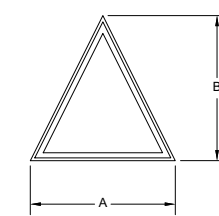
When ordering a trapezoid, triangle, or rectangle window, provide a sketch of the unit as viewed from the exterior, plus include key rough opening dimensions. Example: To order a window of a trapezoid opening, provide the measurements of A, B, and C as indicated. For other shapes, give the dimensions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



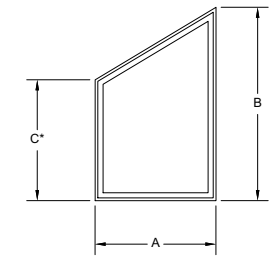
RECTANGLE



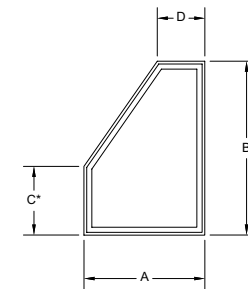
90° TRIANGLE



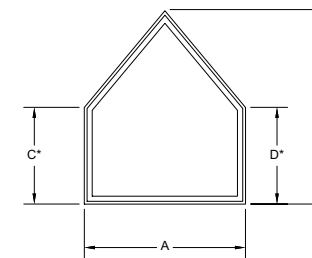
ISOSCELES TRIANGLE



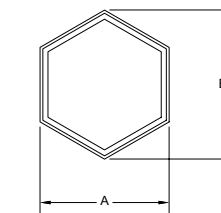
TRAPEZOID



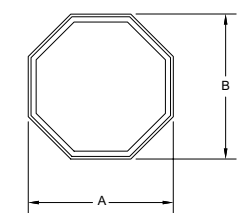
PENTAGON



PENTAGON



HEXAGON



OCTAGON

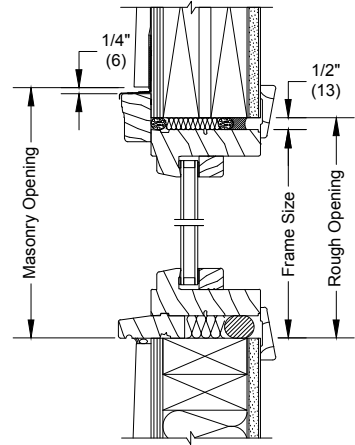
Details and Elevations not to scale.

- Jamb extensions over 7 9/16" (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.

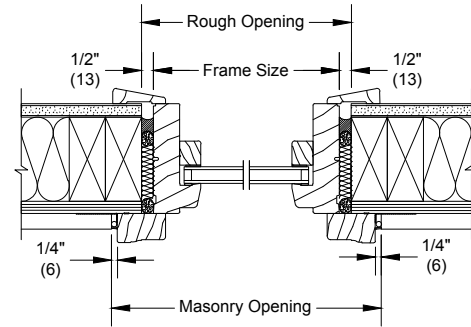
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

WOOD DIRECT GLAZE POLYGON / DIRECT GLAZE POLYGON

CONSTRUCTION DETAILS



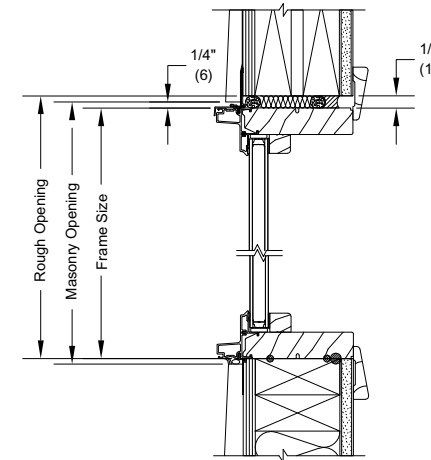
WOOD
HEAD JAMB AND SILL - DIRECT GLAZE



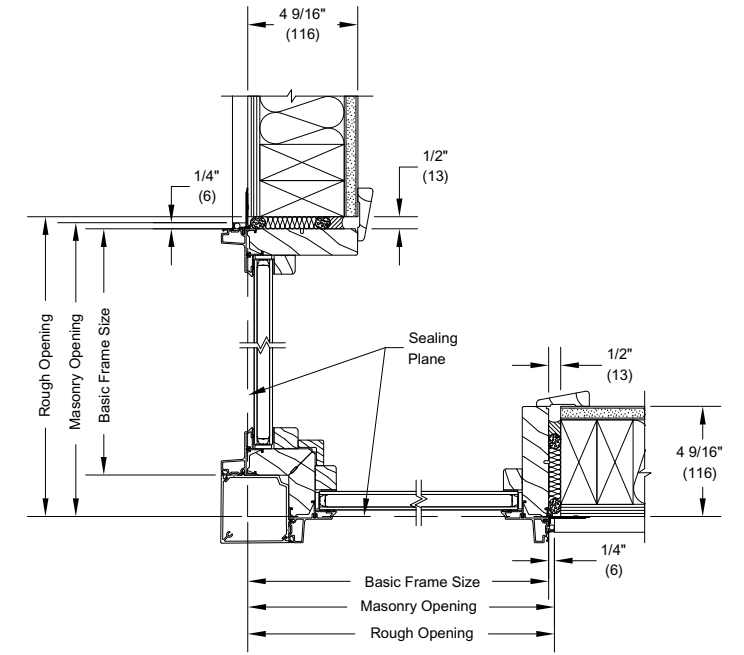
WOOD
JAMB - DIRECT GLAZE

DIRECT GLAZE POLYGON CORNER

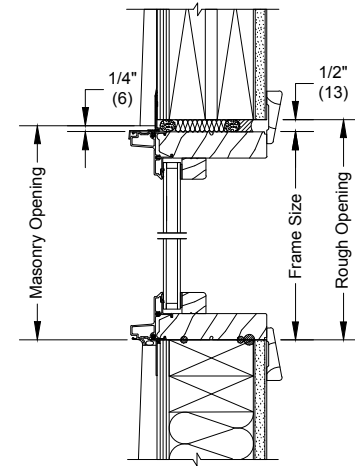
CONSTRUCTION DETAILS



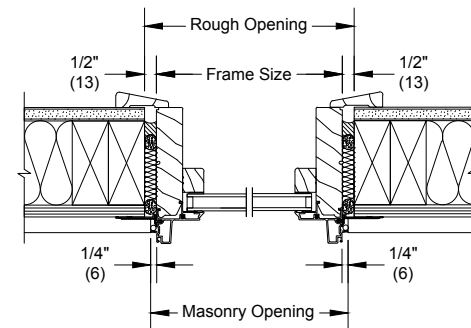
HEAD JAMB AND SILL



JAMBS



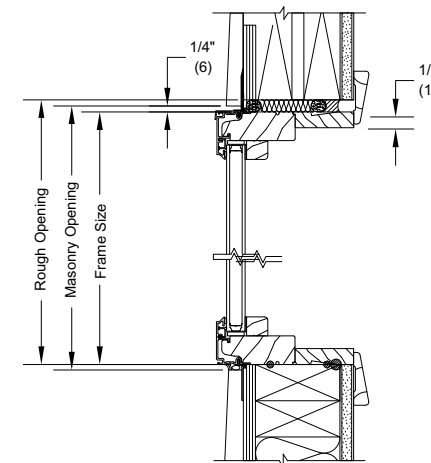
CLAD
HEAD JAMB AND SILL - DIRECT GLAZE



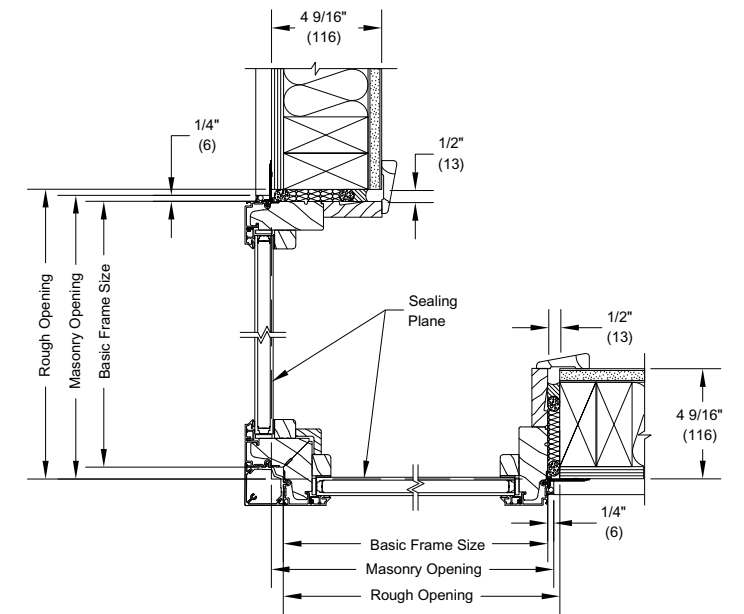
CLAD
JAMB - DIRECT GLAZE

DIRECT GLAZE NARROW FRAME CORNER

CONSTRUCTION DETAILS



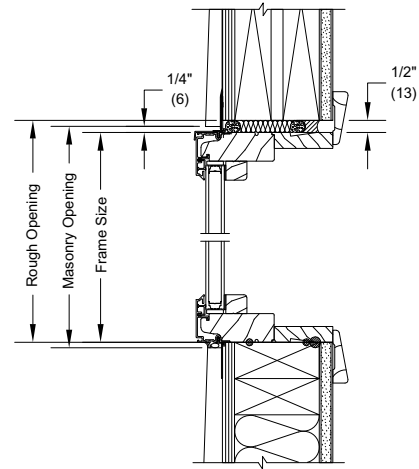
HEAD JAMB AND SILL



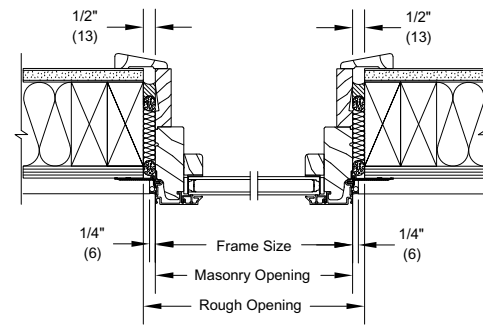
JAMBS

DIRECT GLAZE NARROW FRAME POLYGON

CONSTRUCTION DETAILS

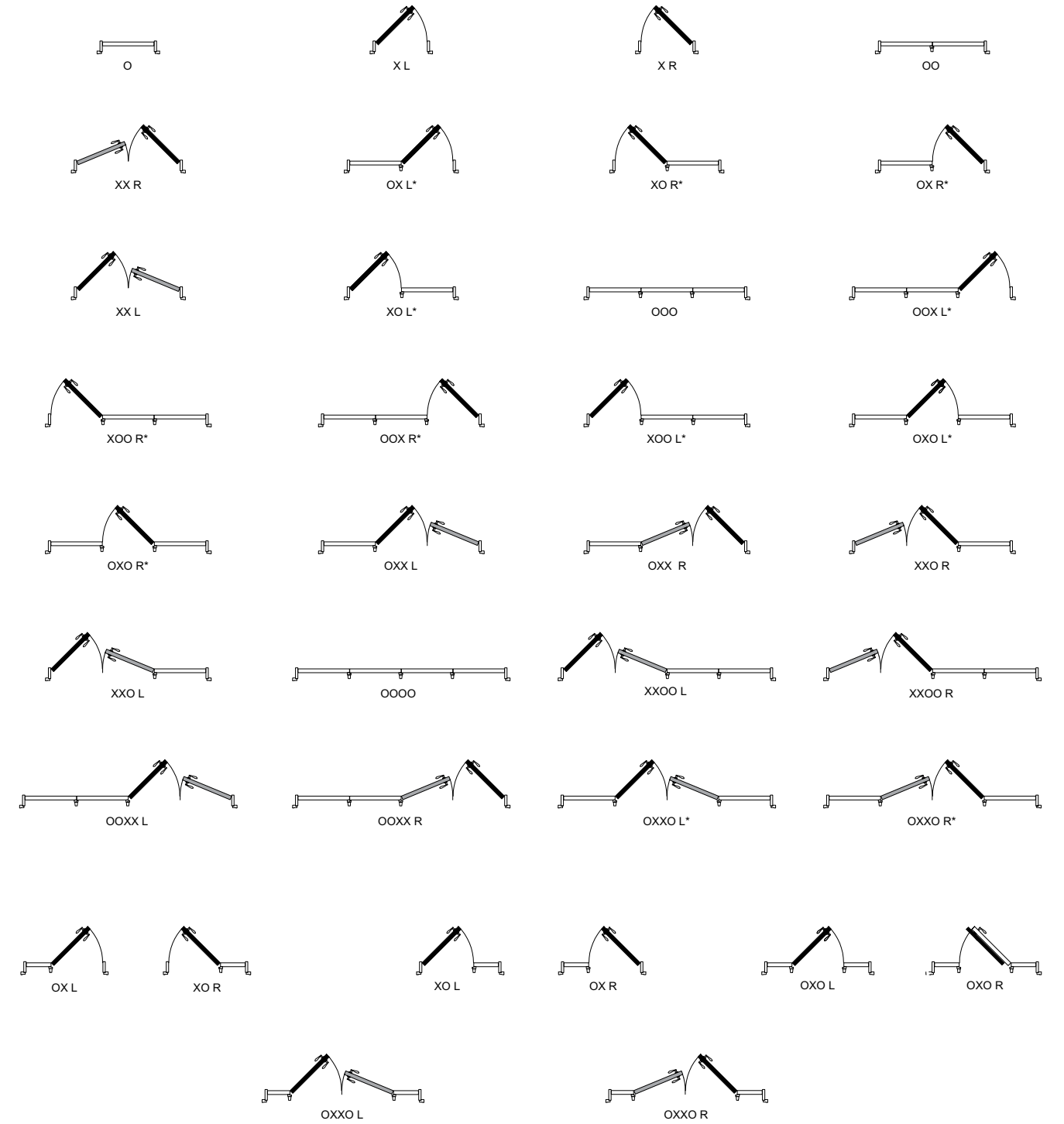


HEAD JAMB AND SILL



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.

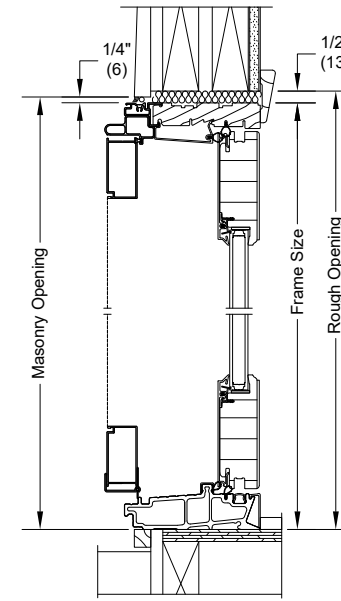
INSWING / OUTSWING FRENCH DOOR TRANSOMS G2

SIZE CHART

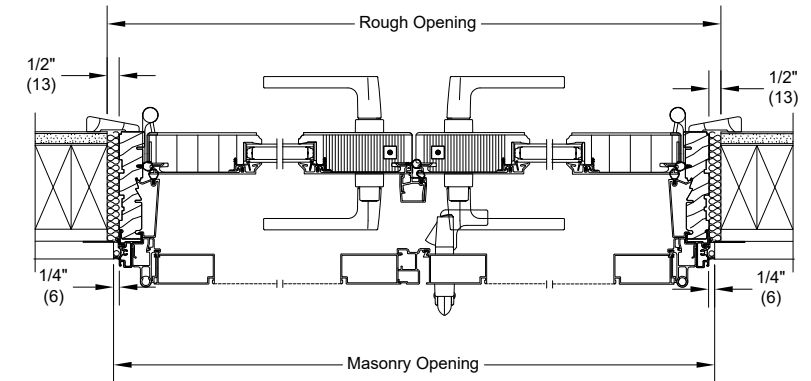
Standard In-Sash Transom Unit Measurements													
Width													
Unit Type	Call Number	Masonry Opening		Rough Opening		Frame Size		Sash OM		Daylight Opening		Glass Size	
		ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm	ft - in	mm	ft - in	mm
1 Sash 1 Frame	1-6	1-8 11/32	(517)	1-8 27/32	(529)	1-7 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)

INSWING FRENCH DOOR G2

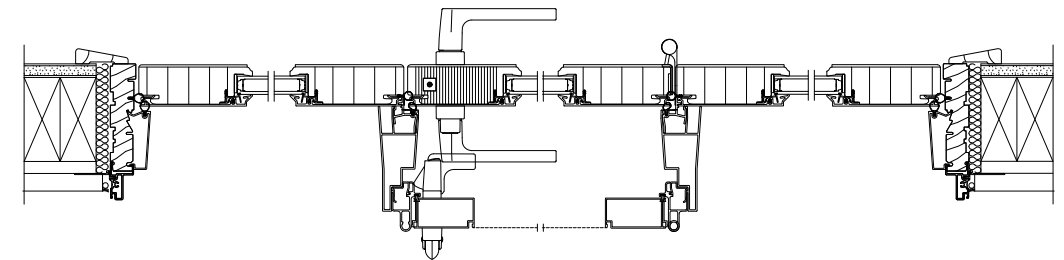
CONSTRUCTION DETAILS



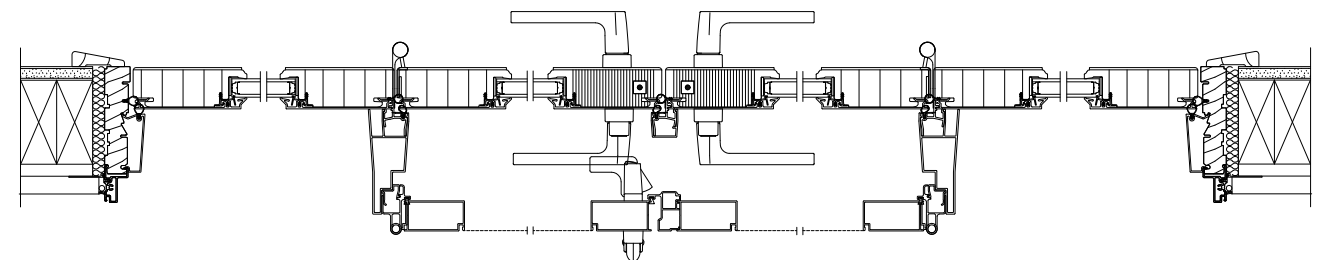
4 9/16" HEAD JAMB AND SILL WITH ULTIMATE SWINGING SCREEN



2 PANEL JAMB XX LH WITH ULTIMATE SWINGING SCREEN



3 PANEL JAMB OXO RH WITH ULTIMATE SWINGING SCREEN

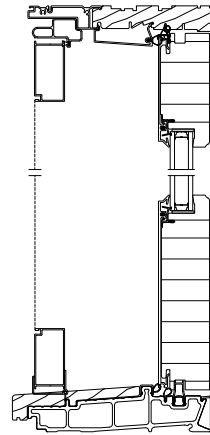


4 PANEL JAMB OXXO LH WITH ULTIMATE SWINGING SCREEN

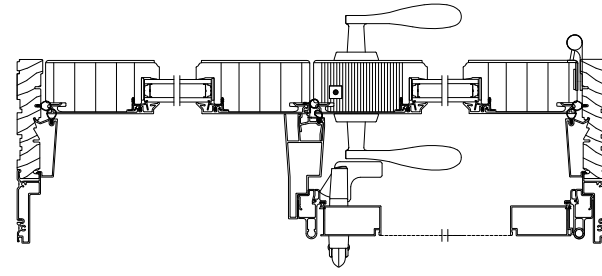
Ultimate Inswing French Door G2 Transoms: UIFDG2TR
 Ultimate Outswing French Door G2 Transoms: UOFDG2TR

INSWING FRENCH DOOR G2

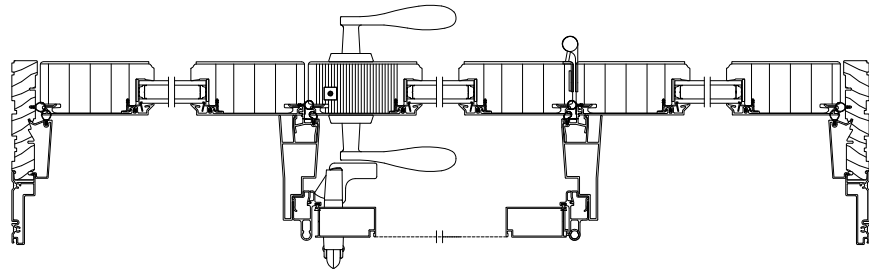
CONSTRUCTION DETAILS



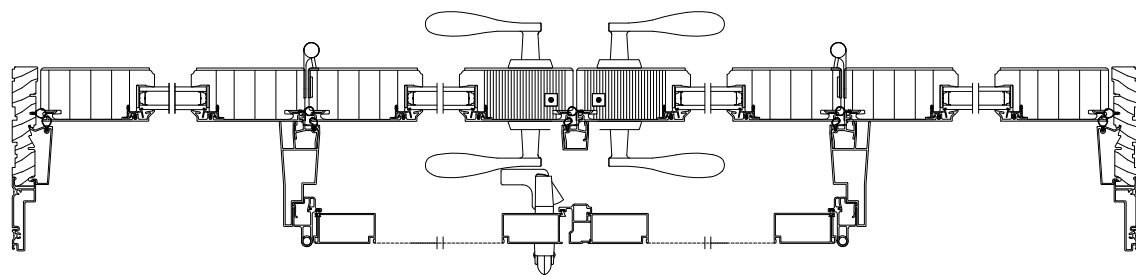
6 9/16" HEAD JAMB AND SILL
WITH ULTIMATE SWINGING SCREEN



2 PANEL JAMB OX RH
WITH ULTIMATE SWINGING SCREEN



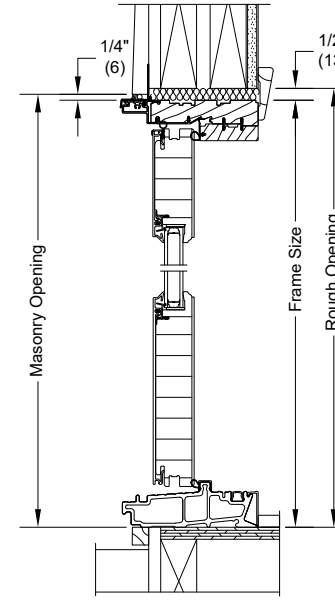
3 PANEL JAMB OXO RH
WITH ULTIMATE SWINGING SCREEN



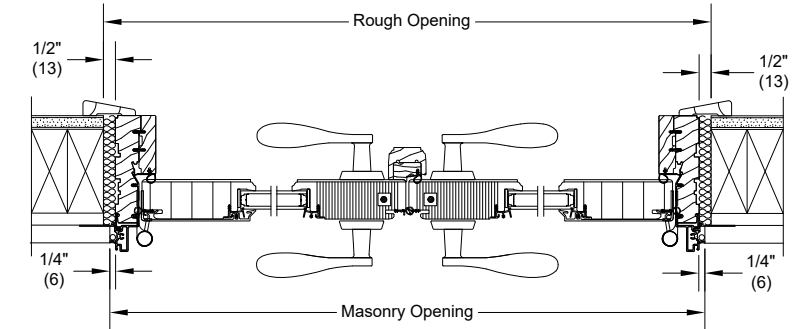
4 PANEL JAMB OXXO LH
WITH ULTIMATE SWINGING SCREEN

OUTSWING FRENCH DOOR G2

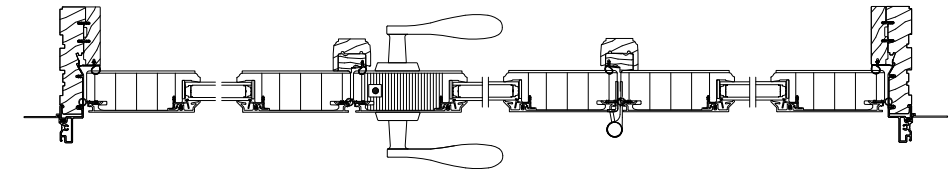
CONSTRUCTION DETAILS



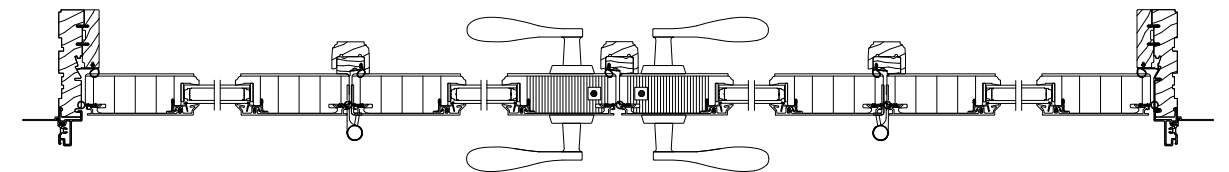
4 9/16" HEAD JAMB AND SILL



2 PANEL JAMB XX LH



3 PANEL JAMB OXO LH



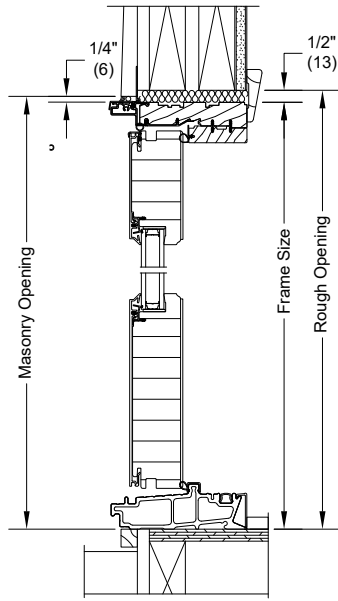
4 PANEL JAMB OXXO LH

OUTSWING FRENCH DOOR G2

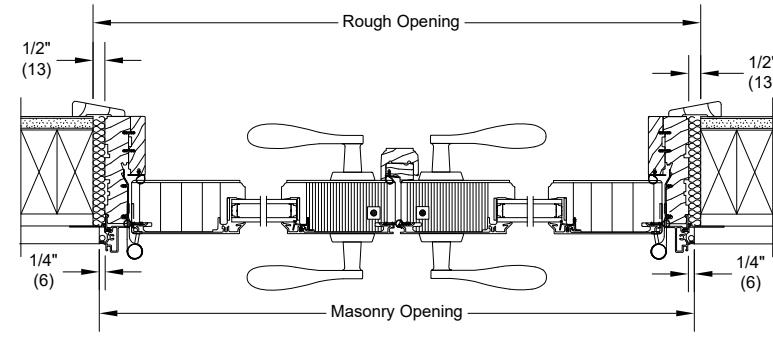
CONSTRUCTION DETAILS

ULTIMATE INSWING / OUTSWING DOOR (3" STILES)

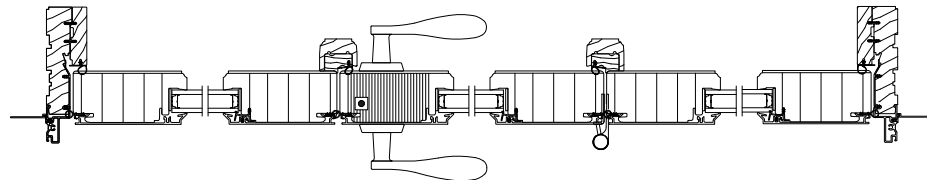
SIZE CHART



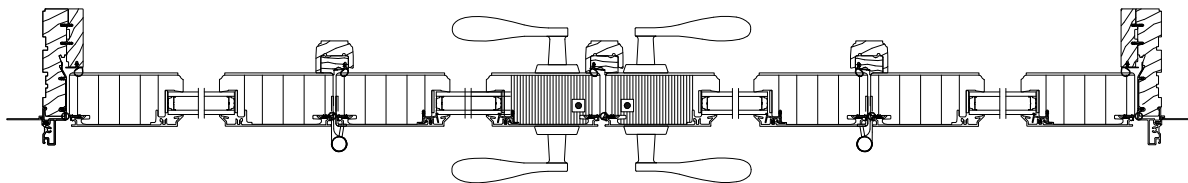
6 9/16" HEAD JAMB AND SILL



2 PANEL JAMB XX LH



3 PANEL JAMB OXO LH



4 PANEL JAMB OXXO LH

Standard Inswing and Outswing Unit Measurements													
Width													
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	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)
	2-6R	2-7 1/8	(791)	2-7 5/8	(803)	2-6 5/8	(778)	2-4 1/4	(718)	1-10 9/32	(566)	23 17/32	(598)
	3-0R	3-1 1/8	(943)	3-1 5/8	(956)	3-0 5/8	(930)	2-10 1/4	(870)	2-4 9/32	(718)	29 17/32	(750)
	2-0	2-1 15/16	(659)	2-2 7/16	(672)	2-1 7/16	(646)	1-11 1/16	(586)	1-5 3/32	(434)	18 11/32	(466)
	2-6	2-7 15/16	(811)	2-8 7/16	(824)	2-7 7/16	(799)	2-5 1/16	(738)	1-11 3/32	(587)	24 11/32	(618)
	2-8	2-9 15/16	(862)	2-10 7/16	(875)	2-9 7/16	(849)	2-7 1/16	(789)	2-1 3/32	(637)	26 11/32	(669)
	3-0	3-1 15/16	(964)	3-2 7/16	(976)	3-1 7/16	(951)	2-11 1/16	(891)	2-5 3/32	(739)	30 11/32	(771)
	3-6	3-7 15/16	(1116)	3-8 7/16	(1129)	3-7 7/16	(1103)	3-5 1/16	(1043)	2-11 3/32	(891)	36 11/32	(900)
2 Panel	5-0R*	4-11 1/2	(1511)	5-0	(1524)	4-11	(1499)	2-4 1/4	(718)	1-10 9/32	(566)	23 17/32	(598)
	6-0R*	5-11 1/2	(1816)	6-0	(1829)	5-11	(1803)	2-10 1/4	(870)	2-4 9/32	(718)	29 17/32	(750)
	4-0	4-1 1/8	(1248)	4-1 5/8	(1260)	4-0 5/8	(1235)	1-11 1/16	(586)	1-5 3/32	(434)	18 11/32	(466)
	5-0	5-1 1/8	(1553)	5-1 5/8	(1565)	5-0 5/8	(1540)	2-5 1/16	(738)	1-11 3/32	(587)	24 11/32	(618)
	5-4	5-5 1/8	(1654)	5-5 5/8	(1667)	5-4 5/8	(1641)	2-7 1/16	(789)	2-1 3/32	(637)	26 11/32	(669)
	6-0	6-1 1/8	(1857)	6-1 5/8	(1870)	6-0 5/8	(1845)	2-11 1/16	(891)	2-5 3/32	(739)	30 11/32	(771)
	7-0	7-1 1/8	(2162)	7-1 5/8	(2175)	7-0 5/8	(2149)	3-5 1/16	(1043)	2-11 3/32	(891)	36 11/32	(923)
3 Panel	9-0R	8-9 7/8	(2689)	8-10 3/8	(2702)	8-9 3/8	(2677)	2-10 1/4	(870)	2-4 9/32	(718)	29 17/32	(750)
	6-0	6-0 5/16	(1837)	6-0 13/16	(1849)	5-11 13/16	(1824)	1-11 1/16	(586)	1-5 3/32	(434)	18 11/32	(466)
	7-6	7-6 5/16	(2294)	7-6 13/16	(2307)	7-5 13/16	(2281)	2-5 1/16	(738)	1-11 3/32	(587)	24 11/32	(618)
	8-0	8-0 5/16	(2446)	8-0 13/16	(2459)	7-11 13/16	(2434)	2-7 1/16	(789)	2-1 3/32	(637)	26 11/32	(669)
	9-0	9-0 5/16	(2751)	9-0 13/16	(2764)	8-11 13/16	(2738)	2-11 1/16	(891)	2-5 3/32	(739)	30 11/32	(771)
	10-6	10-6 5/16	(3208)	10-6 13/16	(3221)	10-5 13/16	(3196)	3-5 1/16	(1043)	2-11 3/32	(891)	36 11/32	(923)
4 Panel	8-0	7-11 1/2	(2426)	8-0	(2438)	7-11	(2413)	1-11 1/16	(586)	1-5 3/32	(434)	18 11/32	(466)
	10-0	9-11 1/2	(3035)	10-0	(3048)	9-11	(3023)	2-5 1/16	(738)	1-11 3/32	(587)	24 11/32	(618)
	10-8	10-7 1/2	(3239)	10-8	(3251)	10-7	(3226)	2-7 1/16	(789)	2-1 3/32	(637)	26 11/32	(324)
	12-0	11-11 1/2	(3645)	12-0	(3658)	11-11	(3632)	2-11 1/16	(891)	2-5 3/32	(739)	30 11/32	(771)
	14-0	13-11 1/2	(4255)	14-0	(4267)	13-11	(4242)	3-5 1/16	(1043)	2-11 3/32	(891)	36 11/32	(923)
Height													
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
All Configurations	6-6R	6-7 3/4	(2026)	6-8	(2032)	6-7 1/2	(2019)	6-4 39/64	(1946)	5-10 41/64	(1619)	71 61/64	(1652)
	6-8	6-10 1/4	(2089)	6-10 1/2	(2096)	6-10	(2083)	6-7 7/64	(2009)	6-1 9/64	(1682)	74 29/64	(1716)
	7-0	7-2 1/4	(2191)	7-2 1/2	(2197)	7-2	(2184)	6-11 7/64	(2111)	6-5 9/64	(1784)	78 29/64	(1817)
	8-0	8-2 1/4	(2496)	8-2 1/2	(2502)	8-2	(2489)	7-11 7/64	(2416)	7-5 9/64	(2089)	90 29/64	(2122)
	9-0	9-2 1/4	(2800)	9-2 1/2	(2807)	9-2	(2794)	8-11 7/64	(2721)	8-5 9/64	(2394)	102 29/64	(2427)
	10-0	10-2 1/4	(3105)	10-2 1/2	(3112)	10-2	(3099)	9-11 7/64	(3025)	9-5 9/64	(2698)	114 29/64	(2732)

- Inswing Doors and Outswing Doors are 2 1/4" panels
- Inswing Doors require 6 9/16" jamb.
- Some configurations require KD.

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

Ultimate Inswing Door: UID
Ultimate Outswing Door: UOD

INSWING / OUTSWING DOOR (3" STILES) TRANSOMS

SIZE CHART

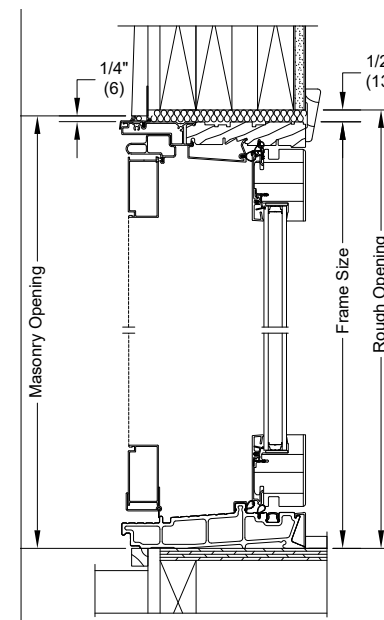
Standard Ultimate Inswing/Outswing Door In-Sash Transom Unit Measurements													
Width													
Unit Type	Call Number	Masonry Opening		Rough Opening		Frame Size		Sash OM		Daylight Opening		Glass Size	
		ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm	ft - in	mm	ft - in	mm
1 Sash 1 Frame	1-6	1-8 11/32	(517)	1-8 27/32	(529)	1-7 27/32	(504)	1-5 15/32	(444)	0-11 1/2	(292)	1-0 3/4	(324)
	2-0	2-1 15/16	(659)	2-2 7/16	(672)	2-1 7/16	(646)	1-11 1/16	(586)	1-5 3/32	(434)	1-6 11/32	(466)
	2-6	2-7 15/16	(811)	2-8 7/16	(824)	2-7 7/16	(799)	2-5 1/16	(738)	1-11 3/32	(587)	2-0 11/32	(618)
	2-8	2-9 15/16	(862)	2-10 7/16	(875)	2-9 7/16	(849)	2-7 1/16	(789)	2-1 3/32	(637)	2-2 11/32	(669)
	3-0	3-1 15/16	(964)	3-2 7/16	(976)	3-1 7/16	(951)	2-11 1/16	(891)	2-5 3/32	(739)	2-6 11/32	(771)
	3-6	3-7 15/16	(1116)	3-8 7/16	(1129)	3-7 7/16	(1103)	3-5 1/16	(1043)	2-11 3/32	(891)	3-0 11/32	(923)
	4-0	4-1 1/8	(1248)	4-1 5/8	(1260)	4-0 5/8	(1235)	3-10 1/4	(1175)	3-4 9/32	(1023)	3-5 17/32	(1055)
	5-0	5-1 1/8	(1553)	5-1 5/8	(1565)	5-0 5/8	(1540)	4-10 1/4	(1480)	4-4 9/32	(1328)	4-5 17/32	(1360)
	5-4	5-5 1/8	(1654)	5-5 5/8	(1667)	5-4 5/8	(1641)	5-2 1/4	(1581)	4-8 9/32	(1430)	4-9 17/32	(1461)
	6-0	6-1 1/8	(1857)	6-1 5/8	(1870)	6-0 5/8	(1845)	5-10 1/4	(1784)	5-4 9/32	(1633)	5-5 17/32	(1664)
7-0	7-1 1/8	(2162)	7-1 5/8	(2175)	7-0 5/8	(2149)	6-10 1/4	(2089)	6-4 9/32	(1938)	6-5 17/32	(1969)	
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)	1-5 3/32	(434)	1-6 11/32	(466)
	5-0	5-1 1/8	(1553)	5-1 5/8	(1565)	5-0 5/8	(1540)	2-5 1/16	(738)	1-11 3/32	(587)	2-0 11/32	(618)
	5-4	5-5 1/8	(1654)	5-5 5/8	(1667)	5-4 5/8	(1641)	2-7 1/16	(789)	2-1 3/32	(637)	2-2 11/32	(669)
	6-0	6-1 1/8	(1857)	6-1 5/8	(1870)	6-0 5/8	(1845)	2-11 1/16	(891)	2-5 3/32	(739)	2-6 11/32	(771)
	7-0	7-1 1/8	(2162)	7-1 5/8	(2175)	7-0 5/8	(2149)	3-5 1/16	(1043)	2-11 3/32	(891)	3-0 11/32	(923)
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)	1-5 3/32	(434)	1-6 11/32	(466)
	7-6	7-6 5/16	(2294)	7-6 13/16	(2307)	7-5 13/16	(2281)	2-5 1/16	(738)	1-11 3/32	(587)	2-0 11/32	(618)
	8-0	8-0 5/16	(2446)	8-0 13/16	(2459)	7-11 13/16	(2434)	2-7 1/16	(789)	2-1 3/32	(637)	2-2 11/32	(669)
	9-0	9-0 5/16	(2751)	9-0 13/16	(2764)	8-11 13/16	(2738)	2-11 1/16	(891)	2-5 3/32	(739)	2-6 11/32	(771)
	10-6	10-6 5/16	(3208)	10-6 13/16	(3221)	10-5 13/16	(3196)	3-5 1/16	(1043)	2-11 3/32	(891)	3-0 11/32	(923)
4 Sash 1 Frame	8-0	7-11 1/2	(2426)	8-0	(2438)	7-11	(2413)	1-11 1/16	(586)	1-5 3/32	(434)	1-6 11/32	(466)
	10-0	9-11 1/2	(3035)	10-0	(3048)	9-11	(3023)	2-5 1/16	(738)	1-11 3/32	(587)	2-0 11/32	(618)
	10-8	10-7 1/2	(3239)	10-8	(3251)	10-7	(3226)	2-7 1/16	(789)	2-1 3/32	(637)	2-2 11/32	(669)
	12-0	11-11 1/2	(3645)	12-0	(3658)	11-11	(3632)	2-11 1/16	(891)	2-5 3/32	(739)	2-6 11/32	(771)
	14-0	13-11 1/2	(4255)	14-0	(4267)	13-11	(4242)	3-5 1/16	(1043)	2-11 3/32	(891)	3-0 11/32	(923)
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)	1-3 5/8	(397)	19 29/64	(494)
	2-6	2-6 1/4	(768)	2-6 1/2	(775)	2-6	(762)	2-3 5/8	(702)	1-9 5/8	(549)	25 29/64	(647)

Ultimate Inswing Door Transoms: UIDTR
 Ultimate Outswing Door Transoms: UODTR

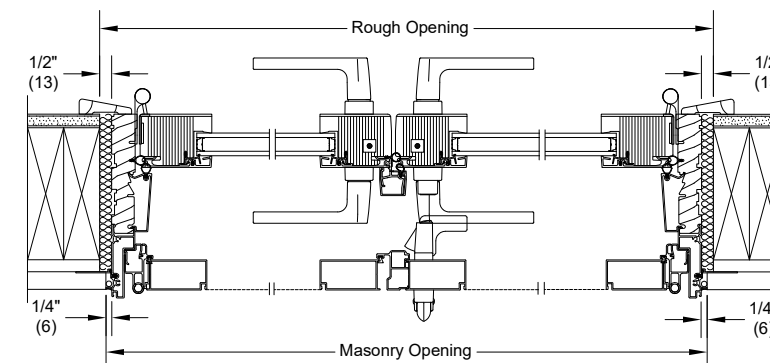
- Transom sash are 1 3/4" panels.
 - Tripane transom sash are 2 1/4" panels.
- Please consult your local Marvin representative for masonry openings that include casings and subsills.
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

INSWING DOOR (3" STILES)

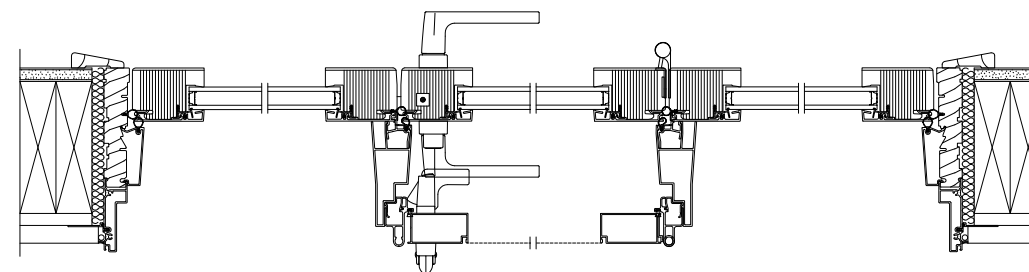
CONSTRUCTION DETAILS



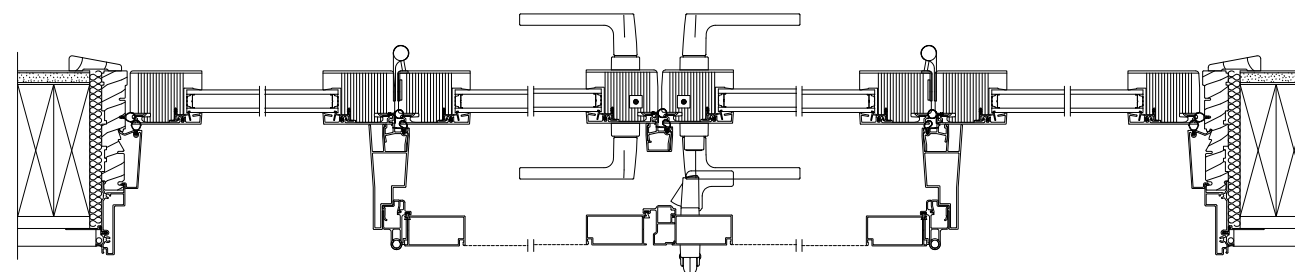
HEAD JAMB AND SILL WITH ULTIMATE SWINGING SCREEN



2 PANEL JAMB XX LH WITH ULTIMATE SWINGING SCREEN



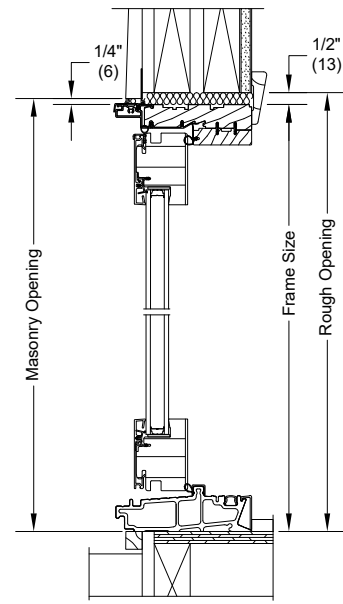
3 PANEL JAMB OXO RH WITH ULTIMATE SWINGING SCREEN



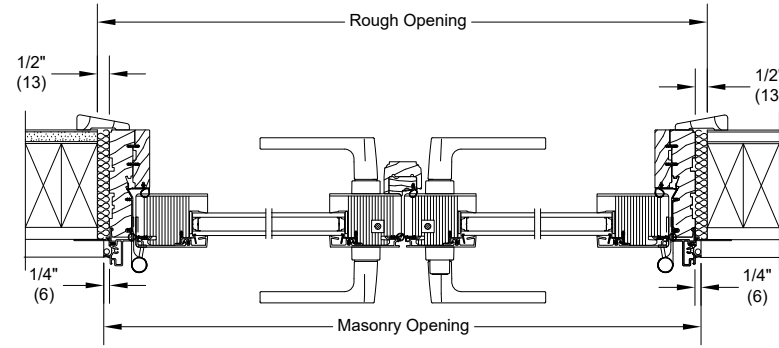
4 PANEL JAMB OXOX LH WITH ULTIMATE SWINGING SCREEN

OUTSWING DOOR (3" STILES)

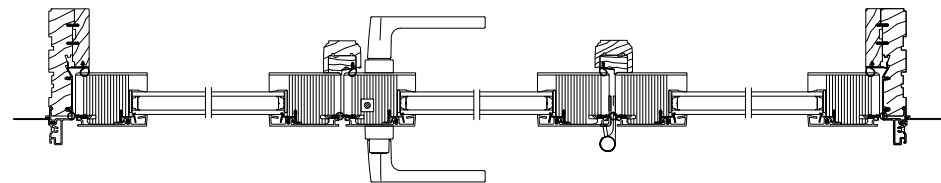
CONSTRUCTION DETAILS



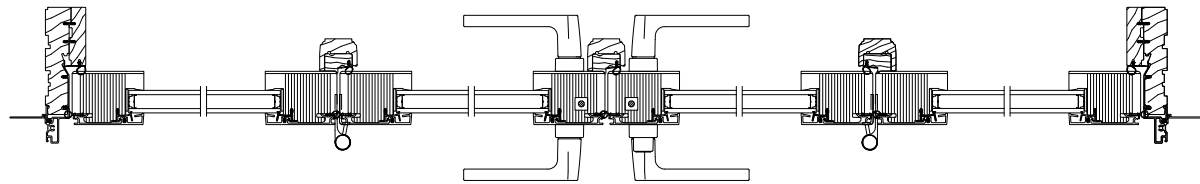
HEAD JAMB AND SILL



2 PANEL JAMB XX LH



3 PANEL JAMB OXO LH-



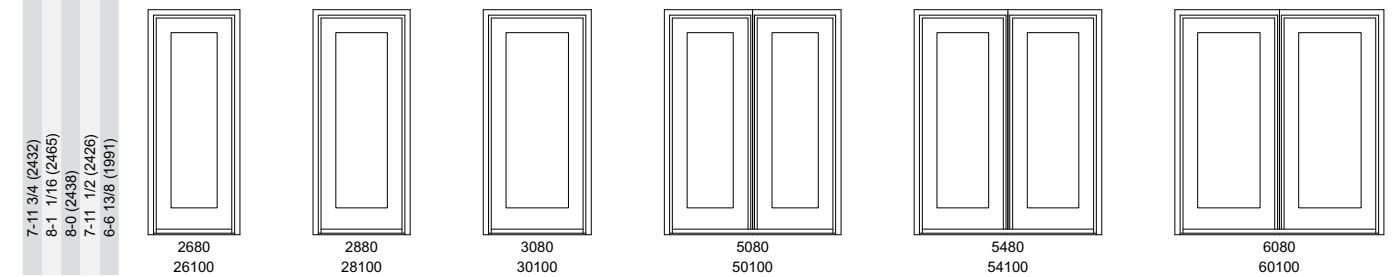
4 PANEL JAMB OXXO LH

WOOD INSWING / OUTSWING FRENCH DOOR 2 1/4"

ELEVATIONS

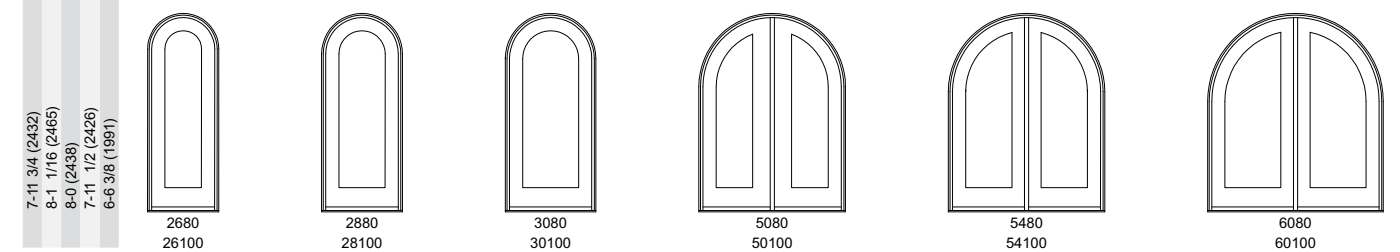
8/0 HEIGHT RECTANGLE INSWING AND OUTSWING (10/0 HEIGHT SEE BELOW)

Clad MO (mm)	2-7 15/16 (811)	2-9 15/16 (862)	3-1 15/16 (964)	5-1 1/8 (1533)	5-5 1/8 (1654)	6-1 1/8 (1857)
Wood MO (mm)	2-10 9/16 (878)	3-0 9/16 (929)	3-4 9/16 (1030)	5-3 3/4 (1619)	5-7 3/4 (1721)	6-3 3/4 (1924)
RO (mm)	2-8 7/16 (824)	2-10 7/16 (875)	3-2 7/16 (976)	5-1 5/8 (1565)	5-5 5/8 (1667)	6-1 5/8 (1870)
FS (mm)	2-7 7/16 (799)	2-9 7/16 (849)	3-1 7/16 (951)	5-0 5/8 (1540)	5-4 5/8 (1641)	6-0 5/8 (1845)
DLO (mm)	1-5 3/32 (434)	1-7 3/32 (485)	1-11 3/32 (587)	1-5 3/32 (434)	1-7 3/32 (485)	1-11 3/32 (587)



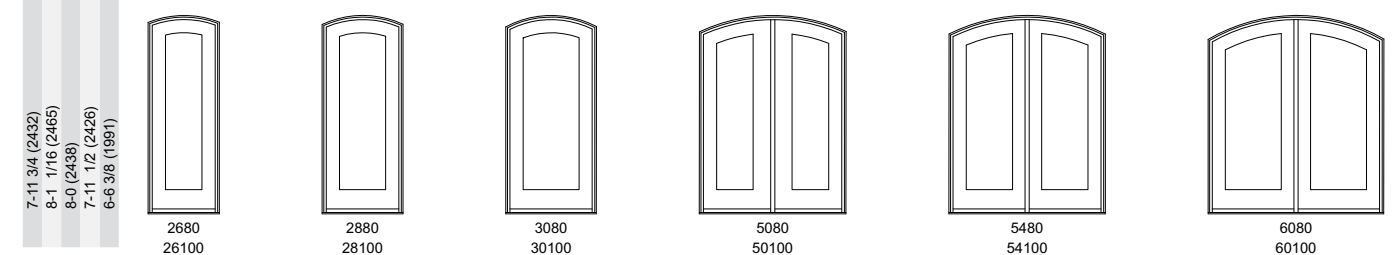
8/0 HEIGHT ARCHTOP RT2 INSWING AND OUTSWING (10/0 HEIGHT SEE BELOW)

Clad MO (mm)	2-7 15/16 (811)	2-9 15/16 (862)	3-1 15/16 (964)	5-1 1/8 (1533)	5-5 1/8 (1654)	6-1 1/8 (1857)
Wood MO (mm)	2-10 9/16 (878)	3-0 9/16 (929)	3-4 9/16 (1030)	5-3 3/4 (1619)	5-7 3/4 (1721)	6-3 3/4 (1924)
RO (mm)	2-8 7/16 (824)	2-10 7/16 (875)	3-2 7/16 (976)	5-1 5/8 (1565)	5-5 5/8 (1667)	6-1 5/8 (1870)
FS (mm)	2-7 7/16 (799)	2-9 7/16 (849)	3-1 7/16 (951)	5-0 5/8 (1540)	5-4 5/8 (1641)	6-0 5/8 (1845)
DLO (mm)	1-5 3/32 (434)	1-7 3/32 (485)	1-11 3/32 (587)	1-5 3/32 (434)	1-7 3/32 (485)	1-11 3/32 (587)



8/0 HEIGHT ARCHTOP RT6 INSWING AND OUTSWING (10/0 HEIGHT SEE BELOW)

Clad MO (mm)	2-7 15/16 (811)	2-9 15/16 (862)	3-1 15/16 (964)	5-1 1/8 (1533)	5-5 1/8 (1654)	6-1 1/8 (1857)
Wood MO (mm)	2-10 9/16 (878)	3-0 9/16 (929)	3-4 9/16 (1030)	5-3 3/4 (1619)	5-7 3/4 (1721)	6-3 3/4 (1924)
RO (mm)	2-8 7/16 (824)	2-10 7/16 (875)	3-2 7/16 (976)	5-1 5/8 (1565)	5-5 5/8 (1667)	6-1 5/8 (1870)
FS (mm)	2-7 7/16 (799)	2-9 7/16 (849)	3-1 7/16 (951)	5-0 5/8 (1540)	5-4 5/8 (1641)	6-0 5/8 (1845)
DLO (mm)	1-5 3/32 (434)	1-7 3/32 (485)	1-11 3/32 (587)	1-5 3/32 (434)	1-7 3/32 (485)	1-11 3/32 (587)

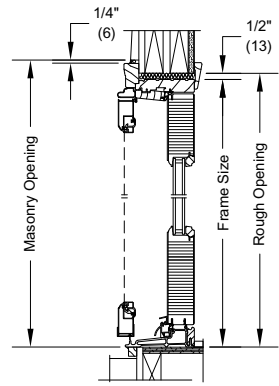


10-0 HEIGHTS:	
	10-0 Height
Clad MO (mm)	9-1 3/4 (2788)
Wood MO (mm)	10-1 1/16 (3075)
RO (mm)	10-0 (3048)
FS (mm)	9-11 1/2 (3035)
DLO (mm)	8-6 3/8 (2600) O.A.

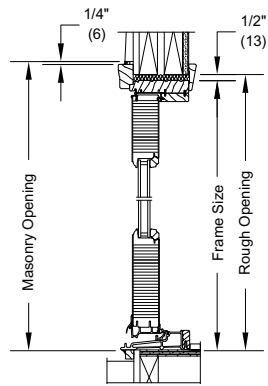
Ultimate Wood Inswing French Door 2 1/4 inch: UWIFD2.25
 Ultimate Wood Outswing French Door 2 1/4 inch: UWOFD2.25

WOOD INSWING / WOOD OUTSWING FRENCH DOOR 2 1/4"

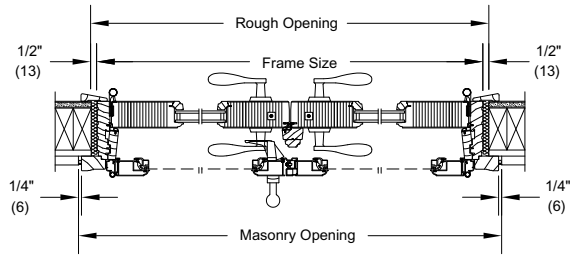
CONSTRUCTION DETAILS



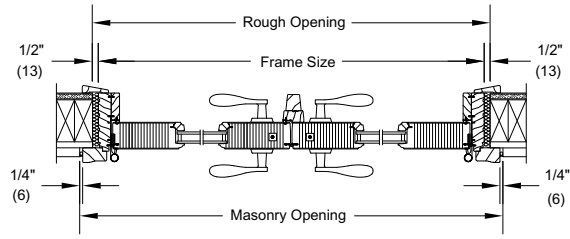
WOOD INSWING
HEAD JAMB AND SILL
WITH ULTIMATE SWINGING
SCREEN



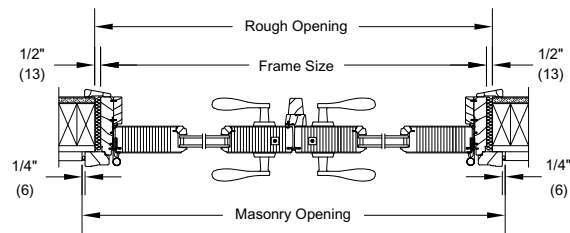
WOOD OUTSWING
HEAD JAMB AND SILL



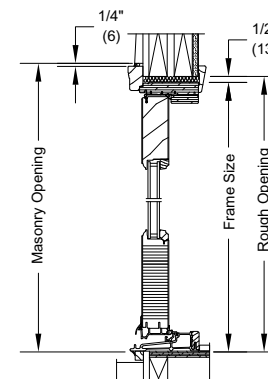
WOOD INSWING 2 PANEL JAMB XXLHI
WITH ULTIMATE SWINGING SCREEN



WOOD OUTSWING
2 PANEL JAMB XXRHO



WOOD ARCHTOP OUTSWING
2 PANEL JAMB XXR



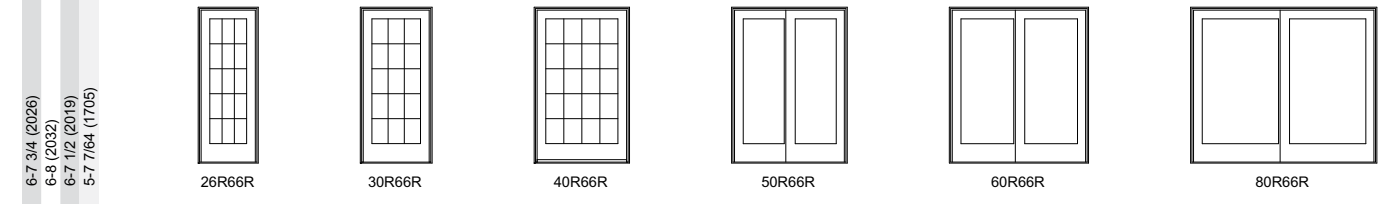
WOOD ARCHTOP OUTSWING
HEAD JAMB AND SILL

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.

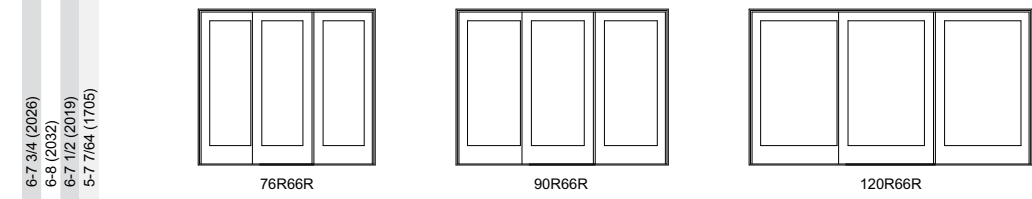
SLIDING FRENCH DOOR G2

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

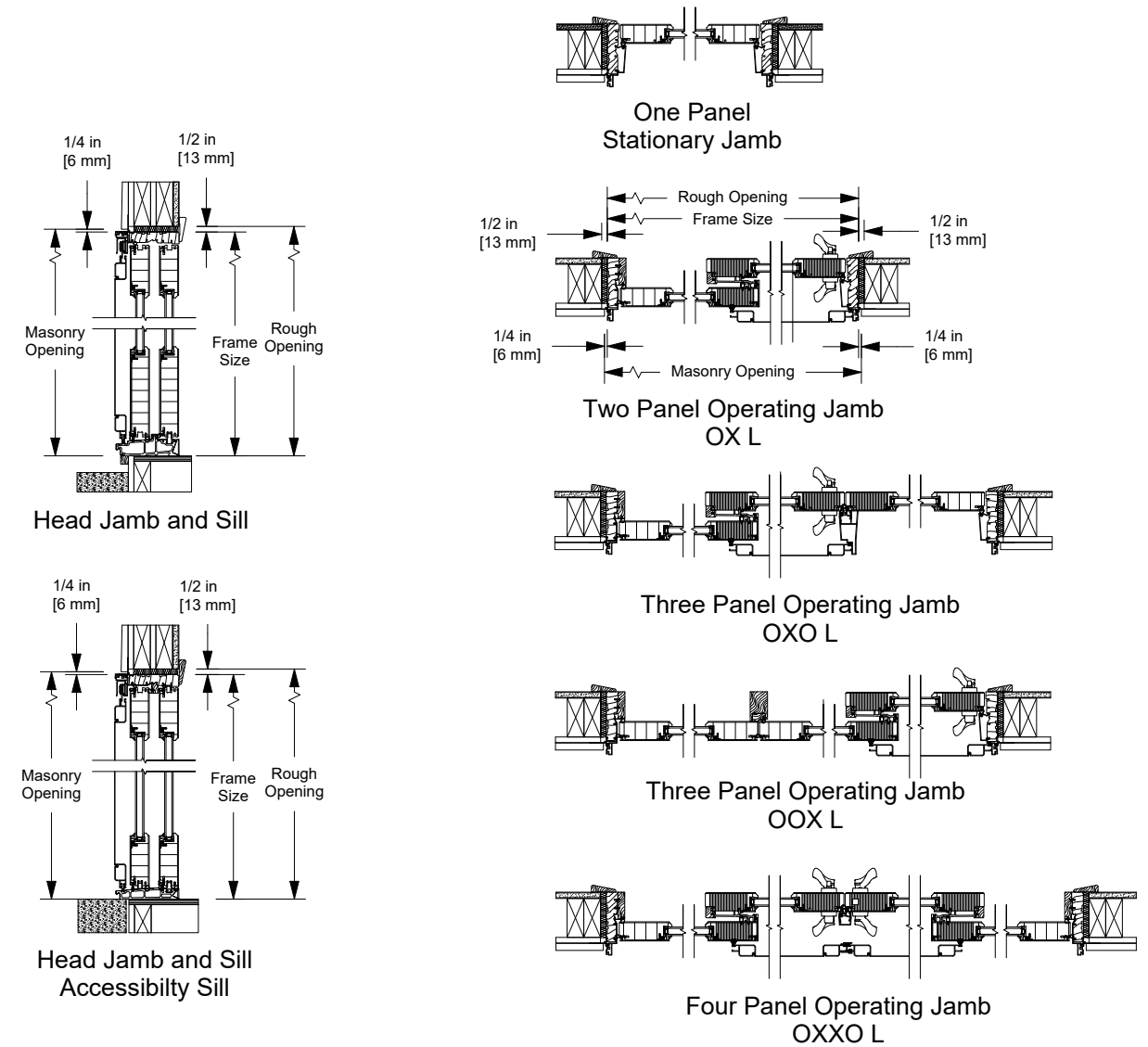
Unit Type	CN	Masonry Opening		Rough Opening		Frame Size		Panel OM		Daylight Std Opening		Standard Glass Size	
		ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm	ft - in	mm	in	mm
1 Panel	2-6	2-10 3/8	(873)	2-10 7/8	(886)	2-9 7/8	(860)	2-7 1/2	(800)	1-10 1/32	(559)	1-11 17/64	(591)
	3-0	3-4 3/8	(1025)	3-4 7/8	(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	(2826)	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)

Unit Type	CN	Masonry Opening		Rough Opening		Frame Size		Panel OM	
		ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm
All Configurations	6-6R	6-7 3/4	(2026)	6-8	(2032)	6-7 1/2	(2019)	6-4 39/64	(1946)
	6-8	6-10 1/4	(2089)	6-10 1/2	(2096)	6-10	(2083)	6-7 7/64	(2009)
	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)	

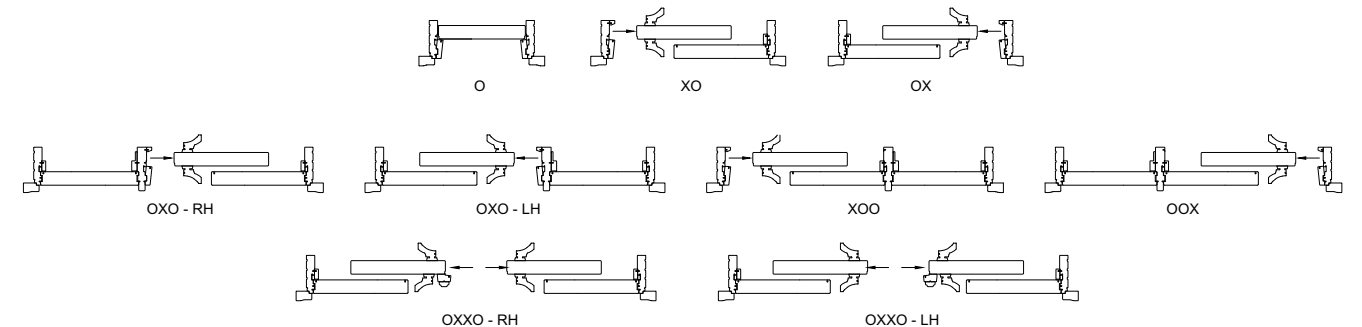
Unit Type	CN	Daylight Opening Short Bottom Rail		Daylight Opening Tall Bottom Rail		Short Bottom Rail Glass Size		Tall Bottom Rail Glass Size	
		ft - in	mm	in	mm	ft - in	mm	in	mm
All Configurations	6-6R	5-7 7/64	(1705)	5-3 47/64	(1619)	5-8 23/64	(1736)	5-4 63/64	(1651)
	6-8	5-9 39/64	(1768)	5-6 15/64	(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



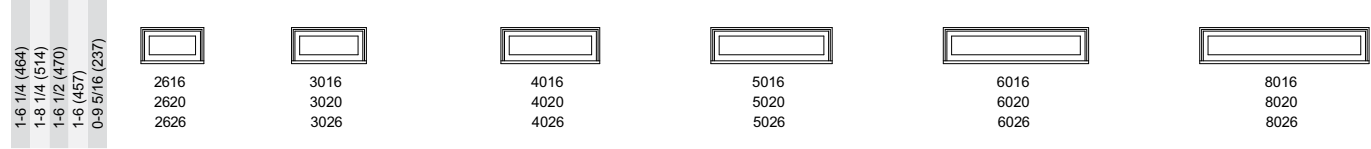
PANEL CONFIGURATIONS



SLIDING FRENCH DOOR TRANSOMS

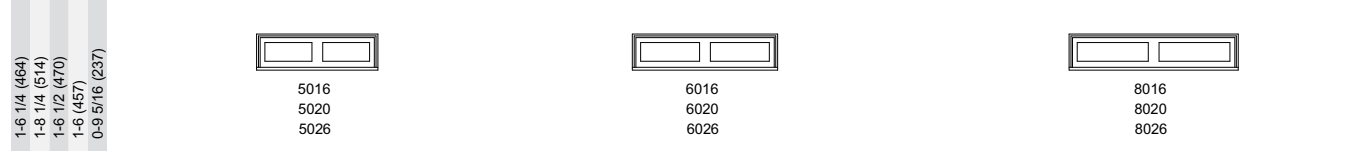
1 FRAME 1 SASH 1/6 HEIGHT (2/0 AND 2/6 HEIGHTS SEE BELOW)

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)



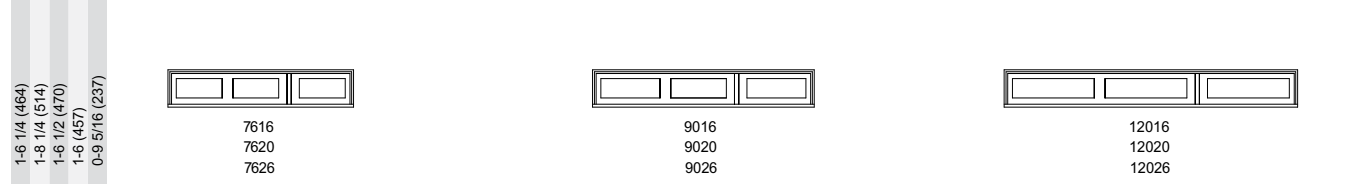
1 FRAME 1 SASH WITH CENTER STILE 1/6 HEIGHT (2/0 AND 2/6 HEIGHTS SEE BELOW)

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)



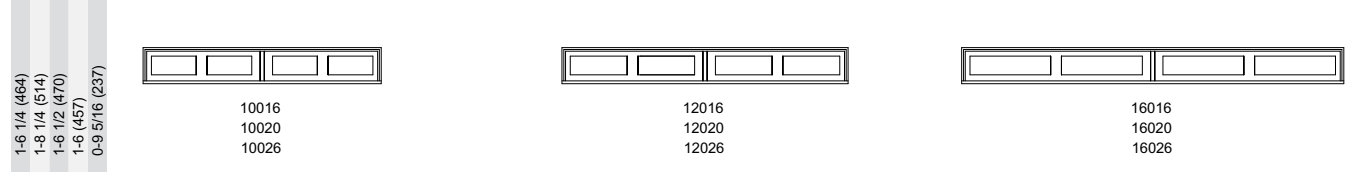
1 FRAME 2 SASH WITH CENTER STILE 1/6 HEIGHT (2/0 AND 2/6 HEIGHTS SEE BELOW)

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)

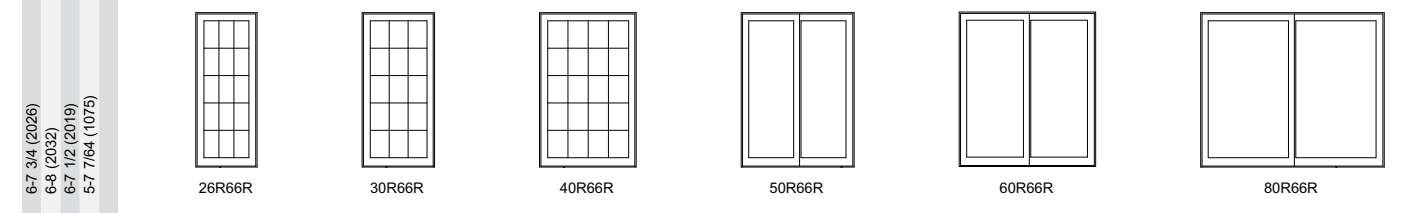
Details and Elevations not to scale.
 • Some transoms available factory mullied.
 Please consult your local Marvin representative for information on structural mulling guidelines and masonry openings that include casings and subsills.
 For further details and drawings visit the 'Technical Specifications'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

Ultimate Sliding French Door Transom G2: USFDTR G2

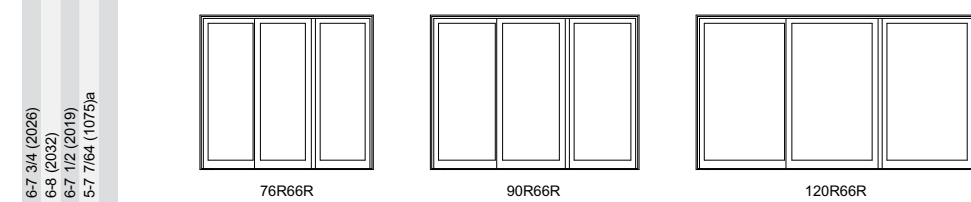
SLIDING DOOR (3" STILES)

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.

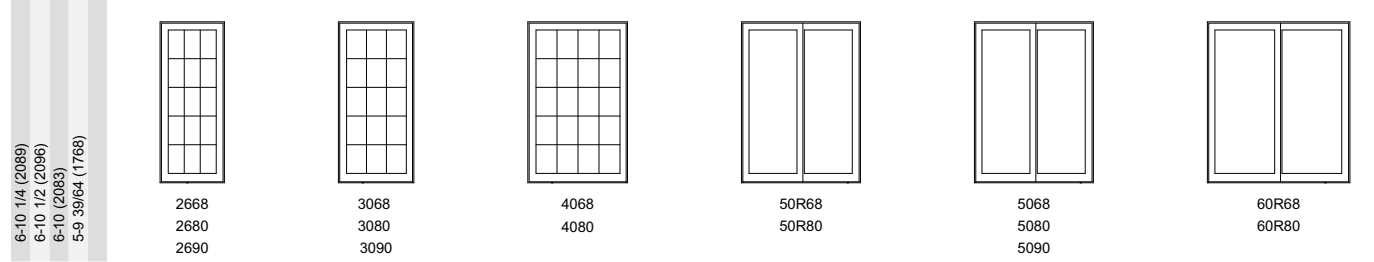
Details and Elevations not to scale.
 R = Retro Size
 • Lite patterns shown are for standard and SDL.
 • All glass is tempered.
 • Right or left hand operation is determined by the direction the door panel travels to open position, as viewed from exterior.
 Please consult your local Marvin representative 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

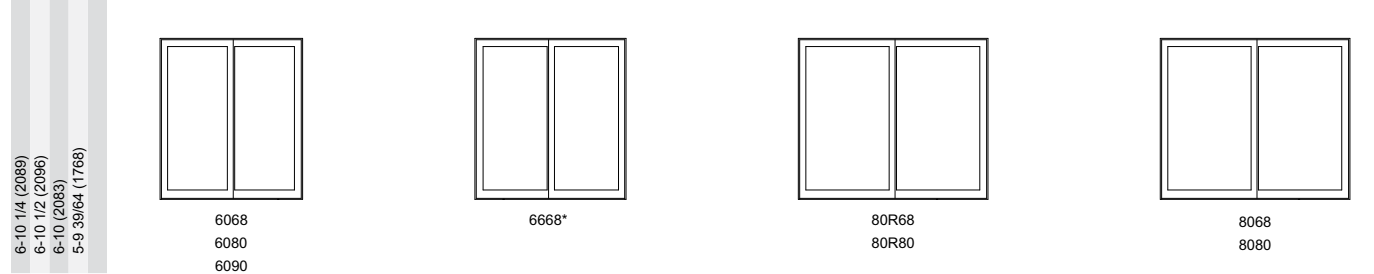
SLIDING DOOR (3" STILES)

6-8 HEIGHT (8-0, 9-0 AND 10-0 HEIGHT SEE BELOW)

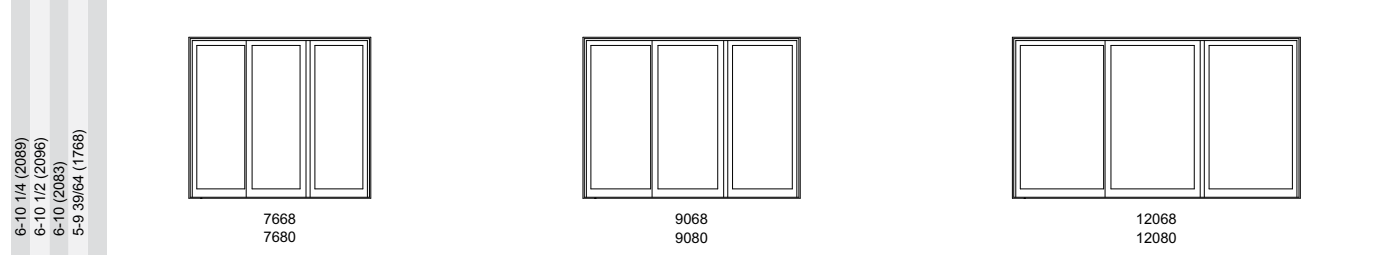
Clad MO (mm)	2-9 1/2 (851)	3-3 1/2 (1003)	4-3 1/2 (1308)	4-11 1/2 (1511)	5-1 1/8 (1553)	5-11 1/2 (1816)
RO (mm)	2-10 (863)	3-4 (1016)	4-4 (1321)	5-0 (1524)	5-1 5/8 (1565)	6-0 (1829)
FS (mm)	2-9 (838)	3-3 (990)	4-3 (1295)	4-11 (1499)	5-0 5/8 (1540)	5-11 (1803)
DLO (mm)	2-0 21/32 (626)	2-6 21/32 (778)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



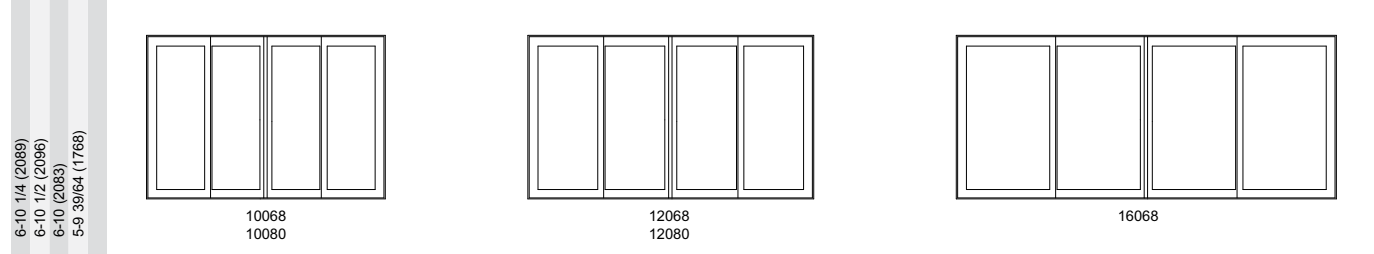
Clad MO (mm)	6-1 1/8 (1857)	6-5 1/2 (1969)	7-11 1/2 (2426)	8-1 1/8 (2467)
RO (mm)	6-1 5/8 (1870)	6-6 (1981)	8-0 (2438)	8-1 5/8 (2480)
FS (mm)	6-0 5/8 (1845)	6-5 (1956)	7-11 (2413)	8-0 5/8 (2454)
DLO (mm)	2-6 41/64 (778)	2-8 53/64 (834)	3-5 53/64 (1064)	3-6 41/64 (1083)



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)

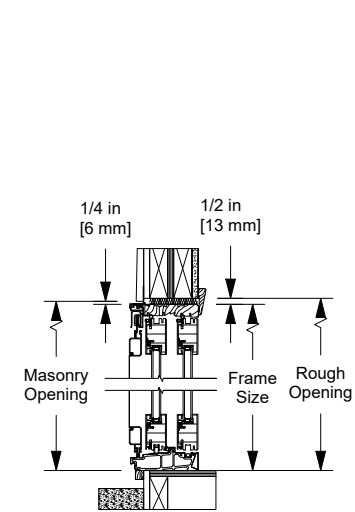


8-0, 9-0 and 10-0 HEIGHTS:			
	8-0 Height	9-0 Height	10-0 Height
Clad MO (mm)	8-2 1/4 (2496)	9-2 1/4 (2800)	10-2 1/4 (3105)
RO (mm)	8-2 1/2 (2502)	9-2 1/2 (2807)	10-2 1/2 (3112)
FS (mm)	8-2 (2489)	9-2 (2794)	10-2 (3099)
DLO (mm)	7-1 39/64 (2175)	8-1 39/64 (2479)	9-1 39/64 (2905)

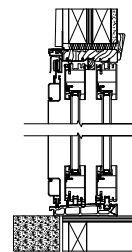
Details and Elevations not to scale.
 • CN 9-0 heights are limited to 1 and 2 wide configurations using CN2-6 and 3-0 panels.
 * Clad Only
 Please consult your local Marvin representative for more information.
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

SLIDING DOOR

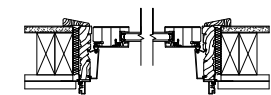
CONSTRUCTION DETAILS



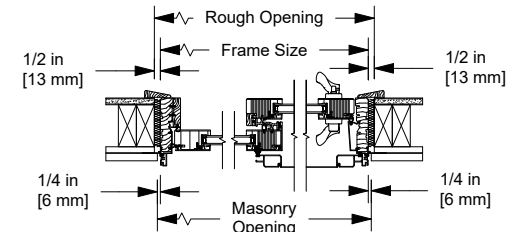
Head Jamb and Performance Sill



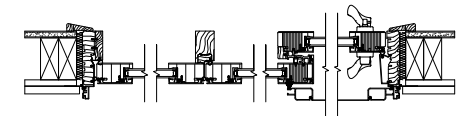
Head Jamb and Accessibility Sill



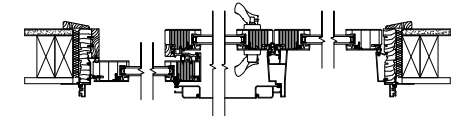
One Panel Stationary Jamb



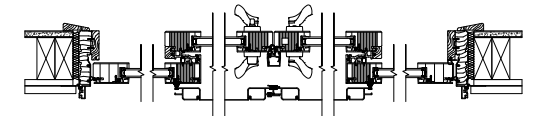
Two Panel Operating Jamb OX L



Three Panel Operating Jamb OOX L



Three Panel Operating Jamb OXO L



Four Panel Operating Jamb OXXO L

DIRECT GLAZE DOOR TRANSOMS

1/0 HEIGHT (1/2 AND 1/6 HEIGHTS SEE BELOW)

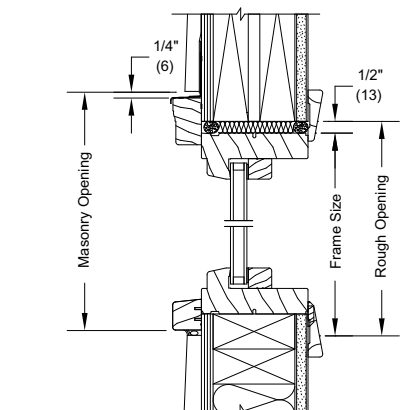
Clad MO (mm)	2-1 15/16 (659)	2-7 15/16 (811)	2-9 15/16 (862)	3-1 15/16 (964)	3-7 15/16 (1116)	5-1 1/8 (1553)
Wood MO (mm)	2-4 9/16 (726)	2-10 9/16 (878)	3-0 9/16 (929)	3-4 9/16 (1030)	3-10 9/16 (1183)	5-3 3/4 (1619)
RO (mm)	2-2 7/16 (672)	2-8 7/16 (824)	2-10 7/16 (875)	3-2 7/16 (976)	3-8 7/16 (1129)	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)

1-1/4 (311)	2010	2610	2810	3010	3610	5010
1-2 1/4 (362)	2012	2612	2812	3012	3612	5012
1-1/2 (318)	2016	2616	2816	3016	3616	5016
1-0 (305)						
0-8 1/16 (205)						

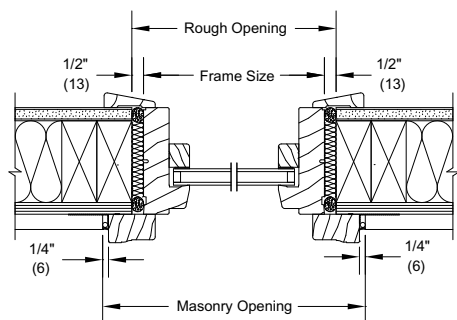
Clad MO (mm)	5-5 1/8 (1654)	6-1 1/8 (1857)	7-1 1/8 (2161)	8-1 1/8 (2467)
Wood MO (mm)	5-7 3/4 (1721)	6-3 3/4 (1924)	7-3 3/4 (2229)	8-3 3/4 (2534)
RO (mm)	5-5 5/8 (1667)	6-1 5/8 (1870)	7-1 5/8 (2175)	8-1 5/8 (2480)
FS (mm)	5-4 5/8 (1641)	6-0 5/8 (1845)	7-0 5/8 (2149)	8-0 5/8 (2454)
DLO (mm)	5-0 11/16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

1-1/4 (311)	5410	6010	7010	8010
1-2 1/4 (362)	5412	6012	7012	8012
1-1/2 (318)	5416	6016	7016	8016
1-0 (305)				
0-8 1/16 (205)				

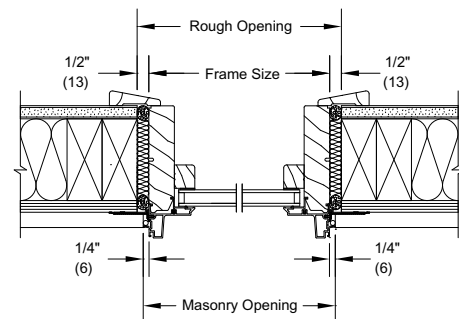
CONSTRUCTION DETAILS



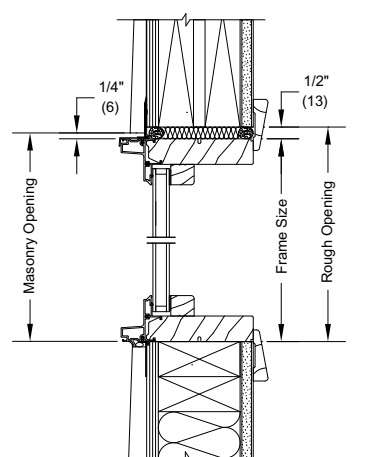
WOOD HEAD JAMB AND SILL - DIRECT GLAZE



WOOD JAMB - DIRECT GLAZE



CLAD JAMB - DIRECT GLAZE



CLAD HEAD JAMB AND SILL - DIRECT GLAZE

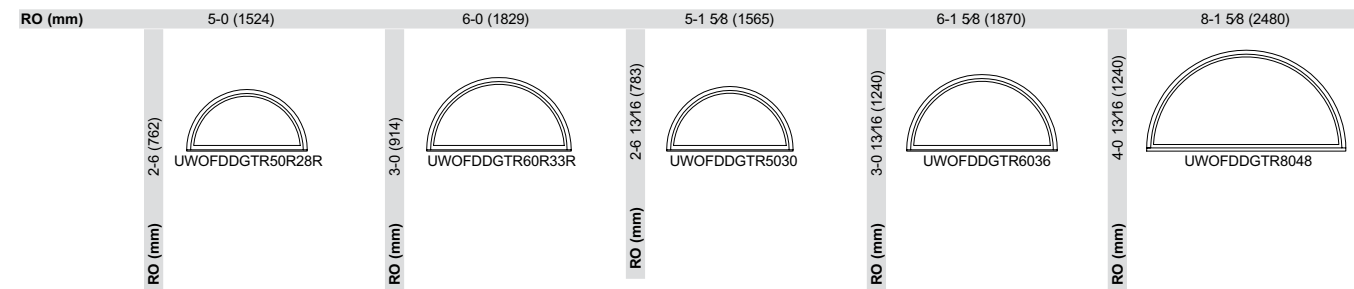
1-2 and 1-6 Heights:		
	1-2 Height	1-6 Height
Clad MO (mm)	1-2 1/4 (362)	1-6 1/4 (464)
Wood MO (mm)	1-4 1/4 (413)	1-8 1/4 (514)
RO (mm)	1-2 1/2 (368)	1-6 1/2 (470)
FS (mm)	1-2 (356)	1-6 (457)
DLO (mm)	0-10 1/16 (256)	1-2 1/16 (357)

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.

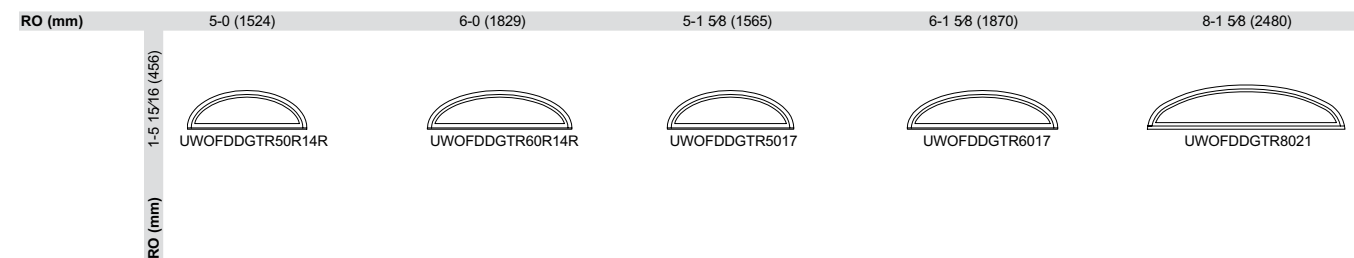
Ultimate Direct Glaze Door Transoms: UDGTR

WOOD DIRECT GLAZE ROUND TOP DOOR TRANSOMS

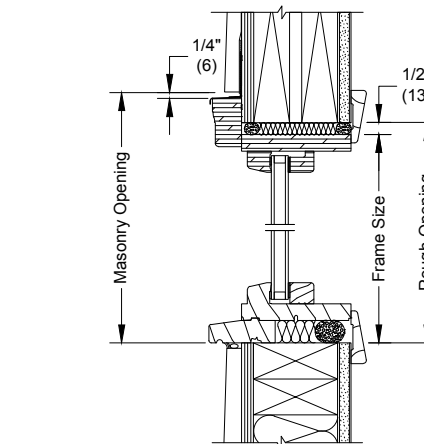
RT1 TRUE HALF CIRCLE STANDARD SIZES - DIRECT GLAZE



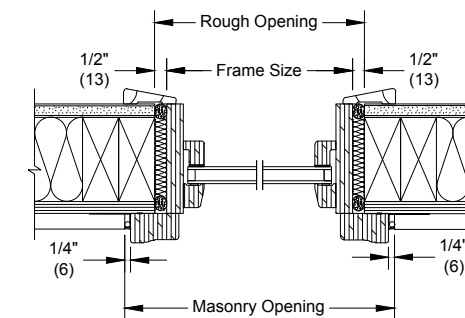
RT29 ELLIPTICAL STANDARD SIZES - DIRECT GLAZE



CONSTRUCTION DETAILS



HEAD JAMB AND SILL - DIRECT GLAZE*



JAMB - DIRECT GLAZE*

Details and Elevations not to scale.

R = Retro Size

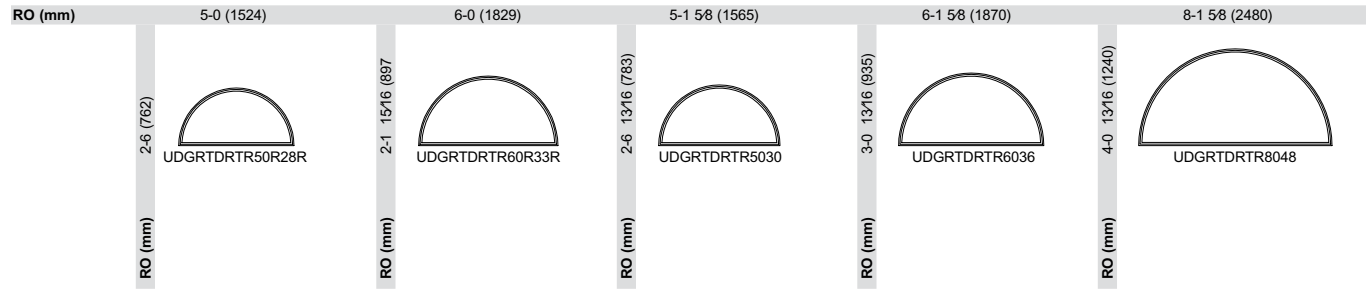
- If these units are not used as transoms, add 15/16" (24) to rough opening heights for subsill.
- Non-back rabbet casing shown. Back rabbet casing used on Wood 2 1/4" Inswing French Doors and Wood Commercial Doors.

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

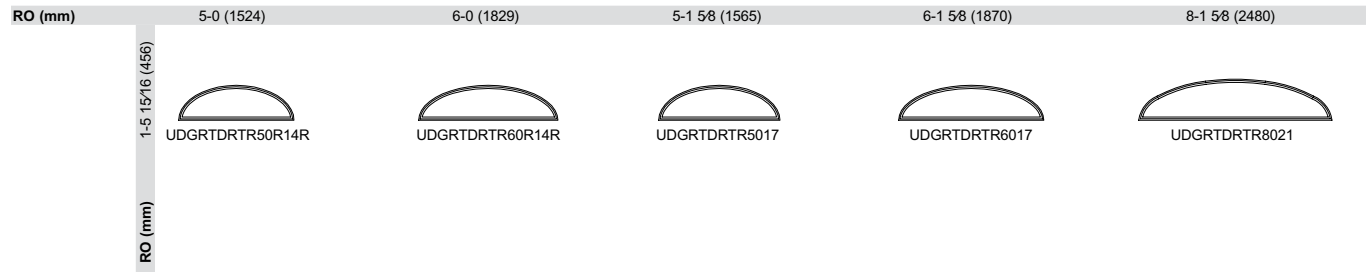
Ultimate Wood Direct Glaze Round Top Door Transoms: UWOFDDGTR

DIRECT GLAZE ROUND TOP DOOR TRANSOMS

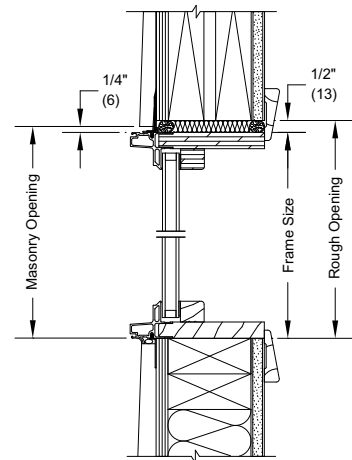
RT1 TRUE HALF CIRCLE STANDARD SIZES - DIRECT GLAZE



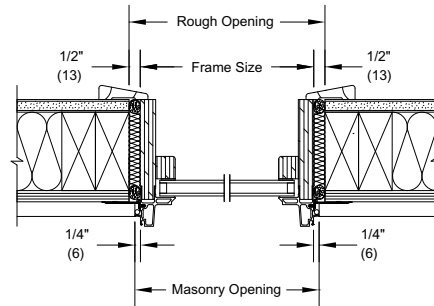
RT29 ELLIPTICAL STANDARD SIZES DIRECT - GLAZE



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	UWRT2914 DH
	UWRT29__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
	UWRT45__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/UII. FD, SPD, SFD	
UWDR RT 5014	
6066	UWDR RT 6033
FDR/UII. FD, SPD, SFD	
UWDR RT 6014	
5068/70/80, SPD	UWDR RT 5030
FRD/UII. FD, SFD	UWDR RT 5017
6068/70/80, SPD	UWDR RT 6036
FDR/UII. FD, SFD	UWDR RT 6017
8068/70/80	UWDR RT 8048
FDR/UII. 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
	UCRT45__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/UII. FD, SFD	UCDR RT 5014
6066 SPD	UCDR RT 6033
FDR/UII. FD, SFD	UCDR RT 6014
5068/70/80, SPD	UCDR RT 5030
FRD/UII. FD, SFD	UCDR RT 5017
6068/70/80, SPD	UCDR RT 6036
FRD/UII. FD, SFD	UCDR RT 6017
8068/70/80	UCDR RT 8048
FDR/UII. SFD	UCDR RT 8021

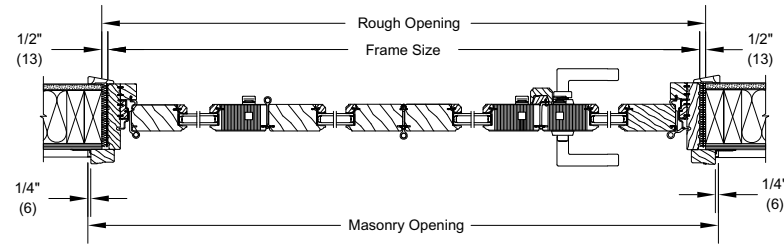
Details and Elevations not to scale.

* 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.

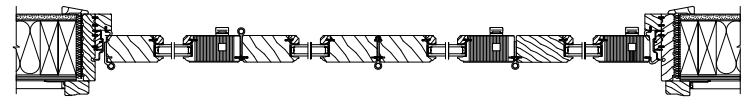
Please consult your local Marvin representative for more information. For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

WOOD BI-FOLD DOOR

WOOD CONSTRUCTION DETAILS - PERFORMANCE, LOW PROFILE, AND FLOOR CHANNEL SILL



JAMBS
FOUR PANEL - 3L1R



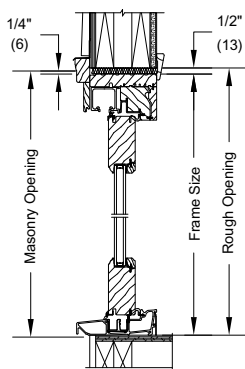
JAMBS
FOUR PANEL - 4L*



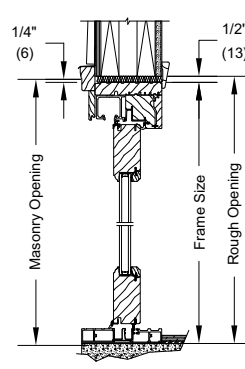
JAMBS
FOUR PANEL - 2L2R*

* NOT ACCESSIBLE FROM EXTERIOR.

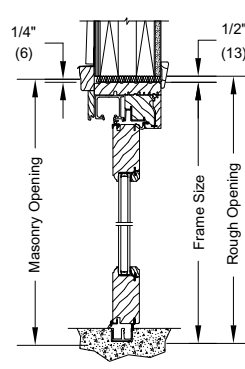
CONSTRUCTION DETAILS - PERFORMANCE, LOW PROFILE AND FLOOR CHANNEL SILLS



HEAD JAMB AND SILL
SHOWN WITH PERFORMANCE SILL



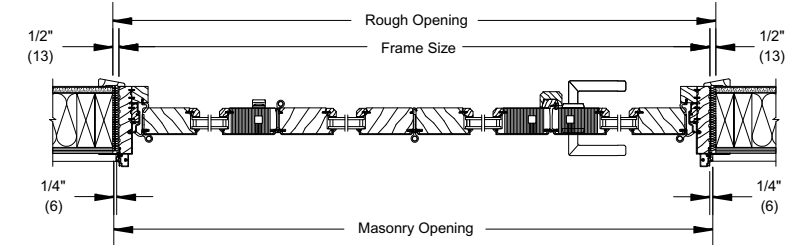
HEAD JAMB AND SILL
SHOWN WITH LOW PROFILE SILL



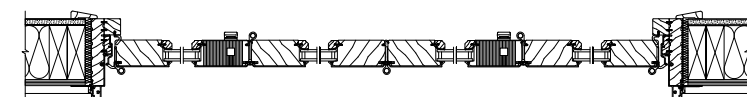
HEAD JAMB AND SILL
SHOWN WITH FLOOR CHANNEL SILL

BI-FOLD DOOR

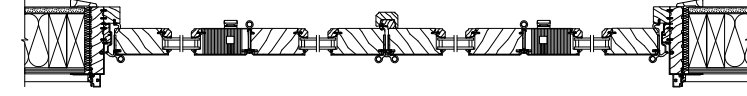
CLAD CONSTRUCTION DETAILS - PERFORMANCE, LOW PROFILE, AND FLOOR CHANNEL SILL



JAMBS
FOUR PANEL - 3L1R



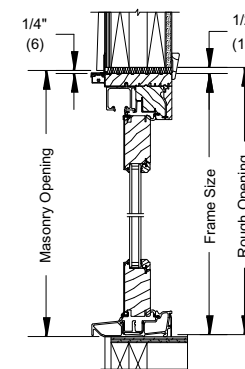
JAMBS
FOUR PANEL - 4L*



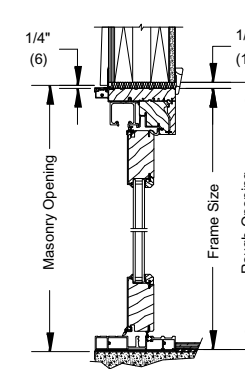
JAMBS
FOUR PANEL - 2L2R*

* NOT ACCESSIBLE FROM EXTERIOR.

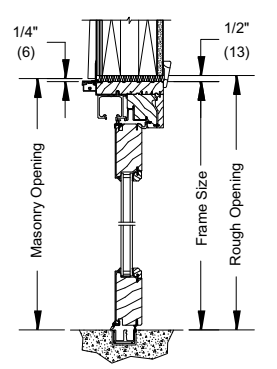
CONSTRUCTION DETAILS - PERFORMANCE, LOW PROFILE, AND FLOOR CHANNEL SILLS



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

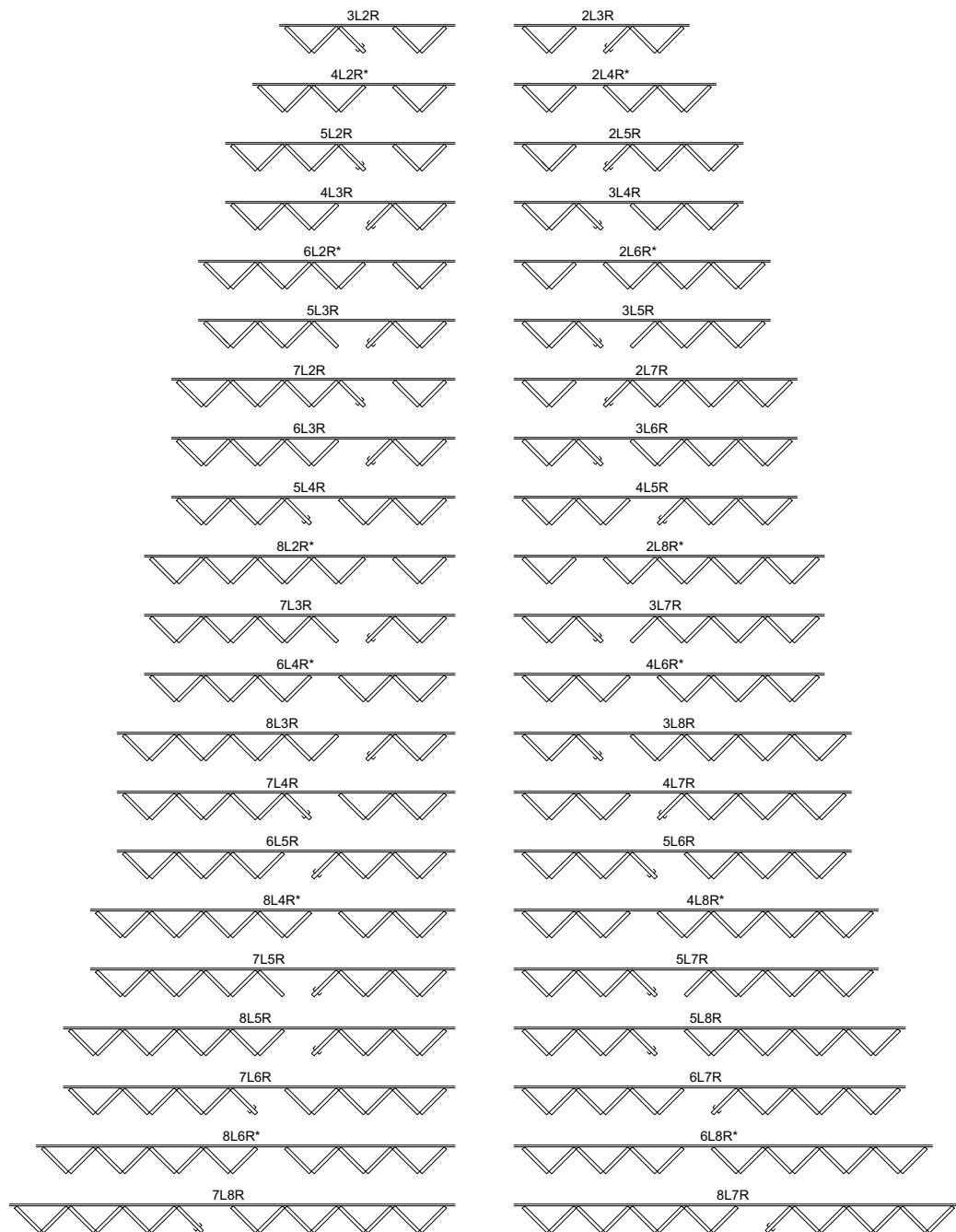
Details and Elevations not to scale.

- 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.

WOOD BI-FOLD DOOR / BI-FOLD DOOR

WOOD AND CLAD PANEL CONFIGURATIONS - BI PARTING (UN-EQUAL) UNITS



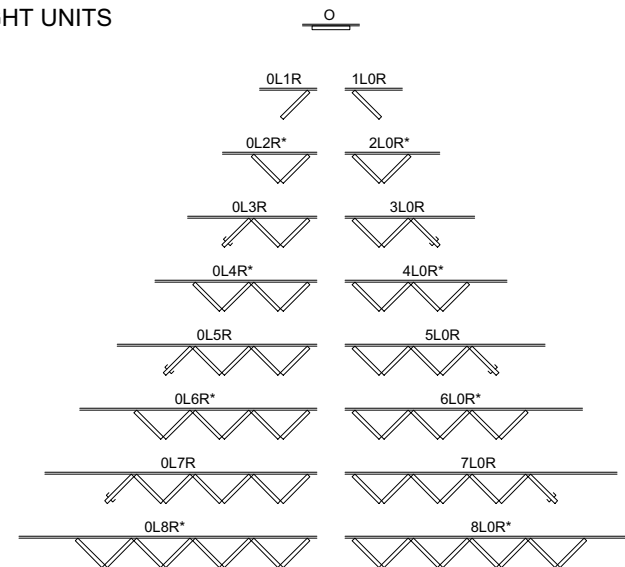
Details and Elevations not to scale.
 * Not accessible from exterior.
 Please consult your local Marvin representative for more information.
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

The Ultimate Wood Bi-Fold product is not certified for Air, Water, and Structural performance.

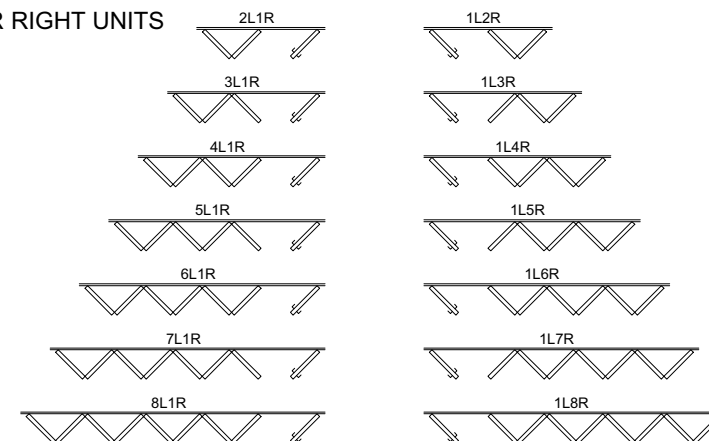
WOOD BI-FOLD DOOR / BI-FOLD DOOR

WOOD AND CLAD PANEL CONFIGURATIONS - STATIONARY UNIT

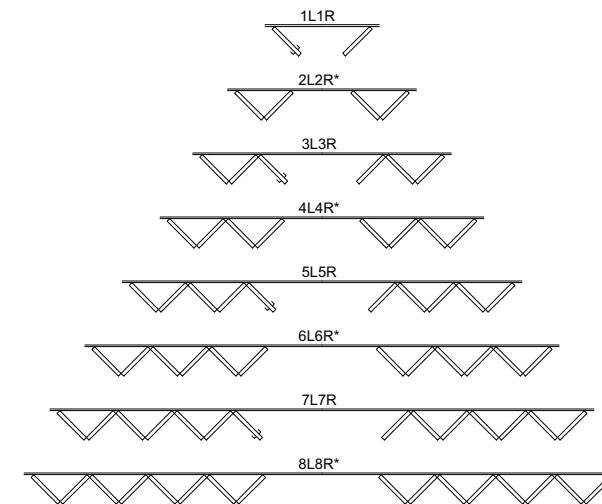
UNI-DIRECTIONAL LEFT OR RIGHT UNITS



UNI-DIRECTIONAL LEFT OR RIGHT UNITS WITH OPERATING PANELS



BI PARTING (EQUAL) UNITS



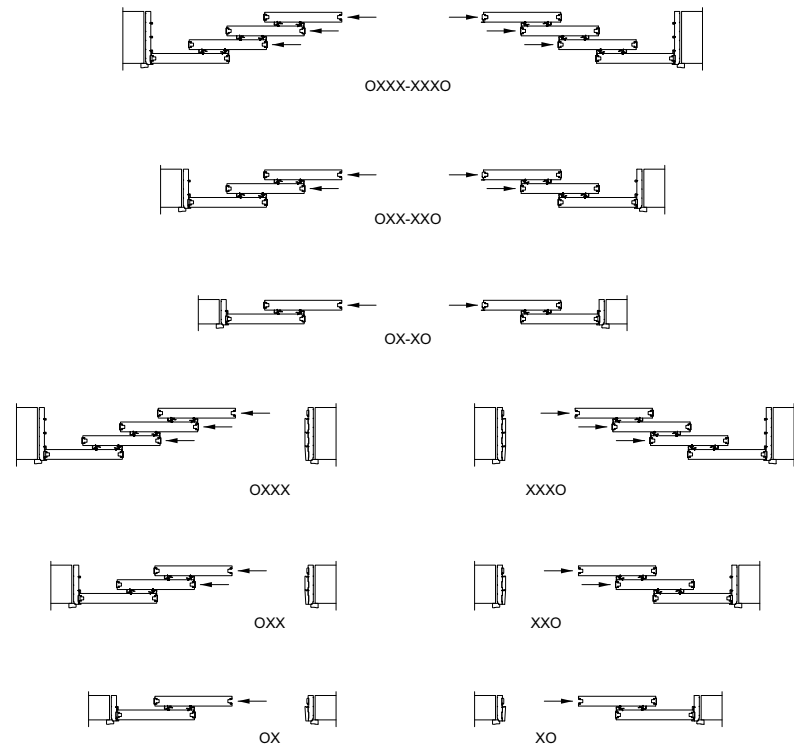
Details and Elevations not to scale.
 * Not accessible from exterior.
 Please consult your local Marvin representative for more information.
 For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

The Ultimate Wood Bi-fold product is not certified for Air, Water, and Structural performance.

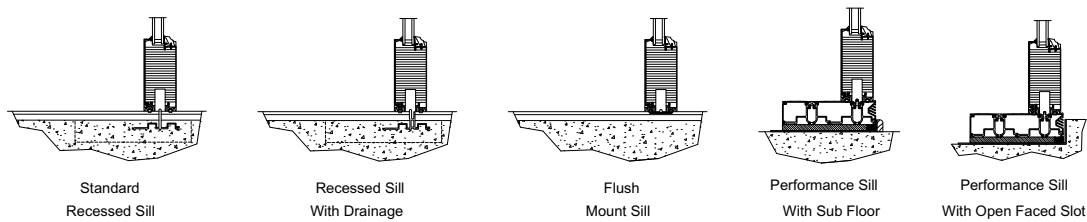
WOOD LIFT AND SLIDE / LIFT AND SLIDE DOOR

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

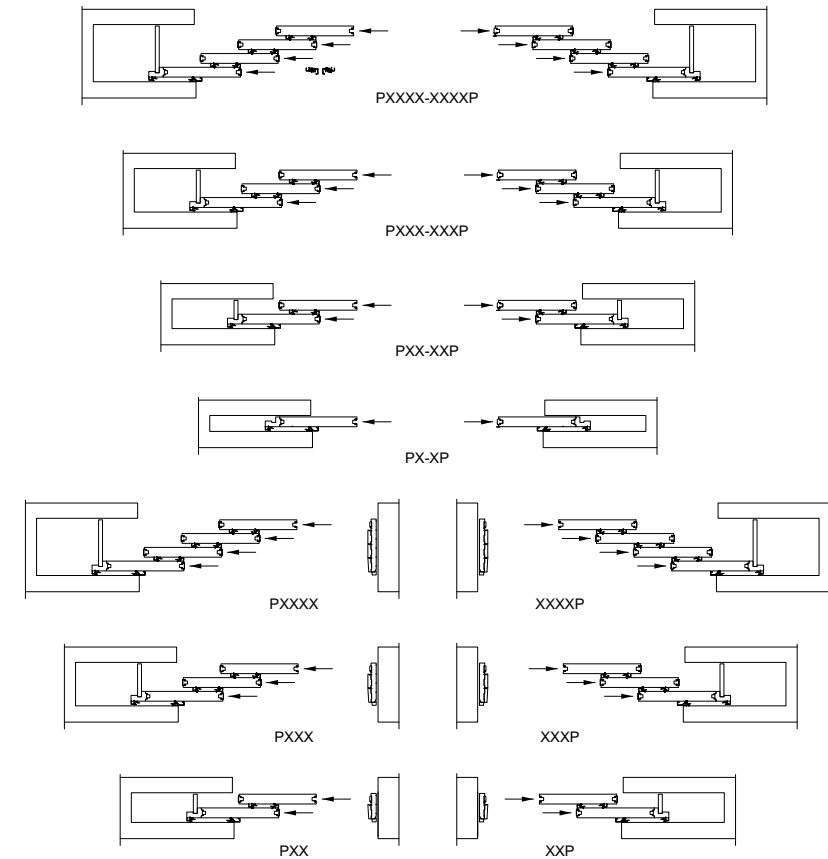


The Ultimate and Ultimate Wood Lift and Slide products are not certified for Air, Water, and Structural performance.

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 2 PANELS (PXX / XXP)	1 POCKET 3 PANELS (PXXX / XXXP)	1 POCKET 4 PANELS (PXXXX / XXXXP)	2 POCKETS 2 PANELS (PX-XP)	2 POCKETS 4 PANELS (PXX-XXP)	2 POCKETS 6 PANELS (PXXX-XXXP)	2 POCKETS 8 PANELS (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

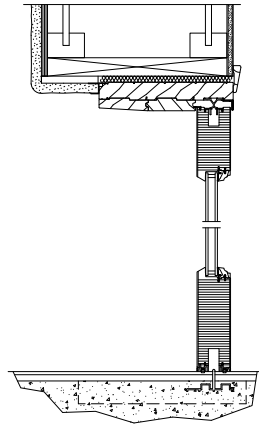


Details and Elevations not to scale.
Please consult your local Marvin representative for more information.
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

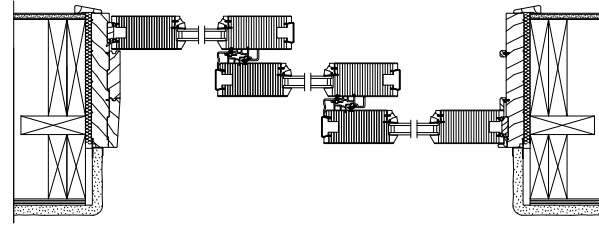
The Ultimate and Ultimate Wood Lift and Slide products are not certified for Air, Water, and Structural performance.

WOOD LIFT AND SLIDE DOOR

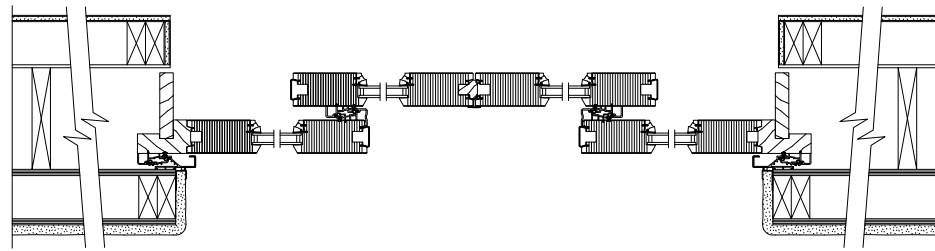
CONSTRUCTION DETAILS - TRADITIONAL PANELS (TALL BOTTOM RAIL)



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



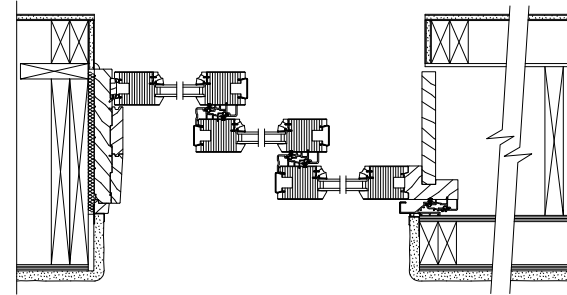
JAMBS - STACKED
XXO TRADITIONAL PANELS - UNI-DIRECTIONAL



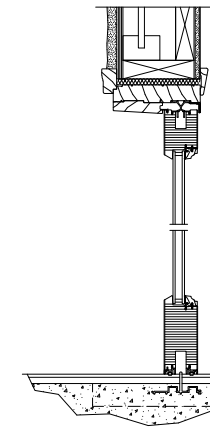
JAMBS - POCKET
PXX-XXP TRADITIONAL PANELS - BI PARTING

WOOD LIFT AND SLIDE DOOR

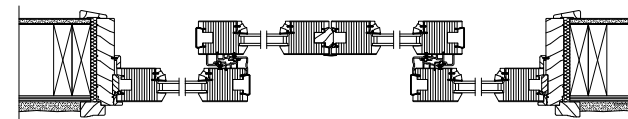
CONSTRUCTION DETAILS - CONTEMPORARY PANELS (SHORT BOTTOM RAIL)



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.

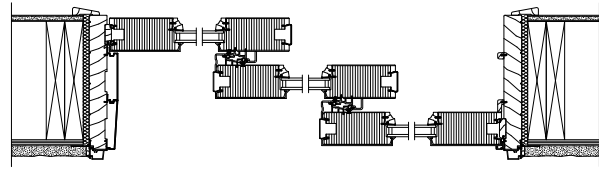
Details and Elevations not to scale.
Please consult your local Marvin representative for more information.
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

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

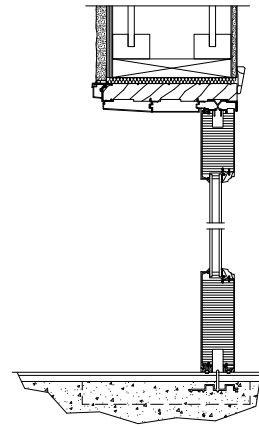
The Ultimate Wood Lift and Slide product is not certified for Air, Water, and Structural performance.

LIFT AND SLIDE DOOR

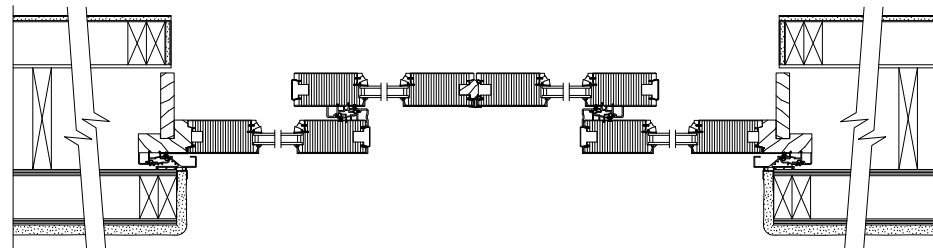
CONSTRUCTION DETAILS - TRADITIONAL PANELS (TALL BOTTOM RAIL)



JAMBS - STACKED
XXO TRADITIONAL PANELS - UNI-DIRECTIONAL



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

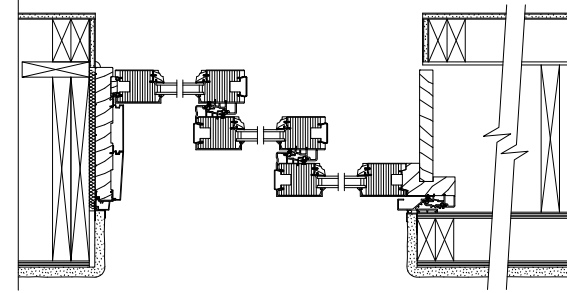


JAMBS - POCKET
PXX-XXP TRADITIONAL PANELS - BI PARTING

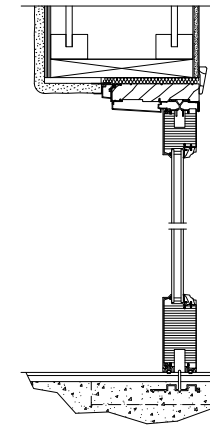
The Ultimate Lift and Slide product is not certified for Air, Water, and Structural performance.

LIFT AND SLIDE DOOR

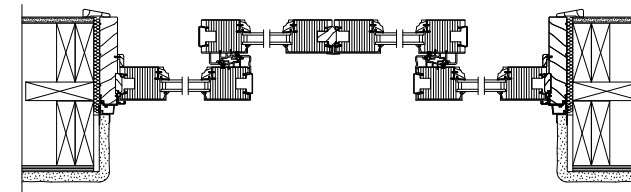
CONSTRUCTION DETAILS - CONTEMPORARY PANELS (SHORT BOTTOM RAIL)



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

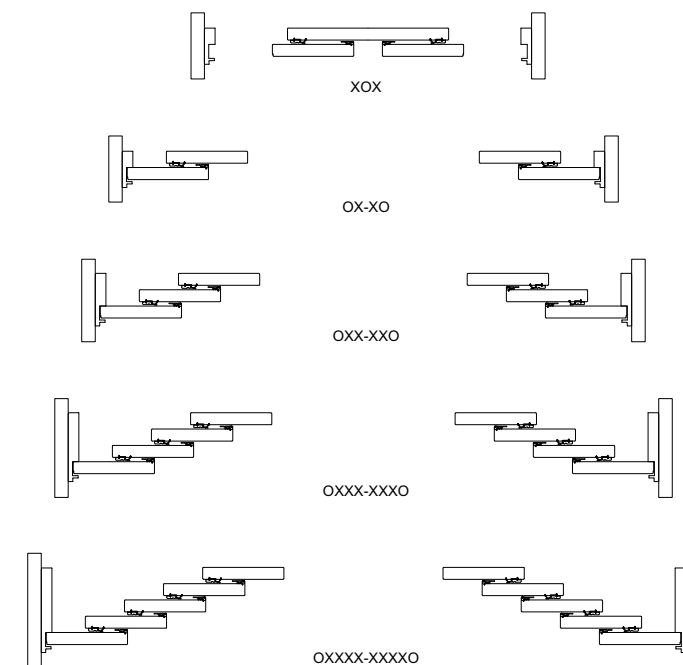
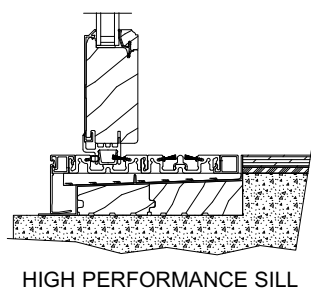
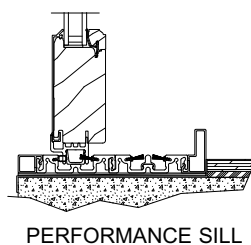
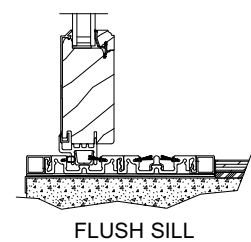
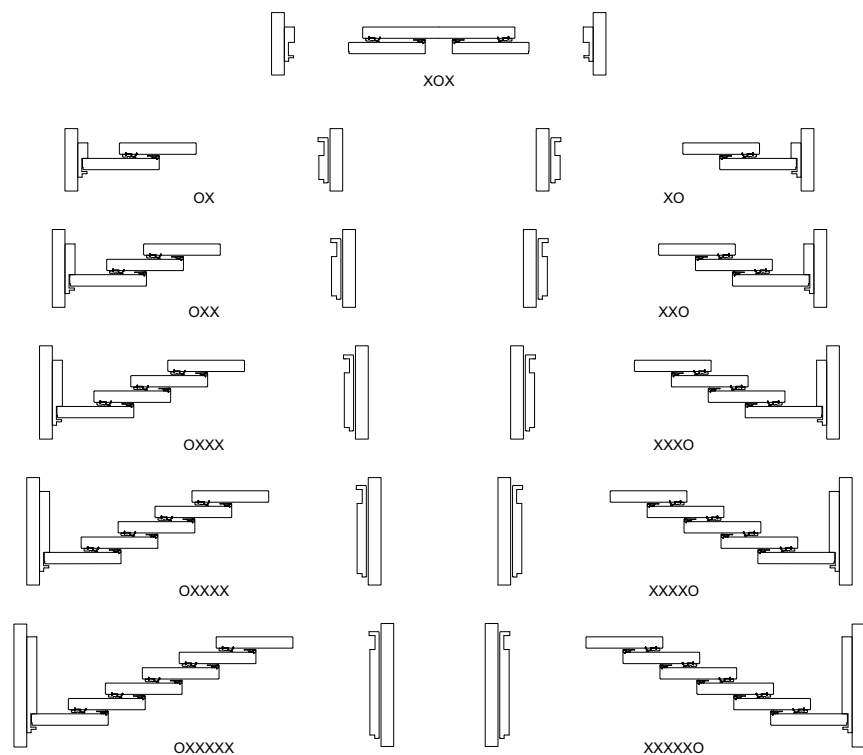
2W OX/XO	3W OXX/XXO	4W OXXX/XXXO	5W OXXXX/XXXXO	6W OXXXXX/XXXXO
6070	9070	12070	15070	18070
8070	12070	16070	20070	24070
10070	15070	20070	25070	30070
12070	18070	24070	30070	36070
6080	9080	12080	15080	18080
8080	12080	16080	20080	24080
10080	15080	20080	25080	30080
12080	18080	24080	30080	36080
6090	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

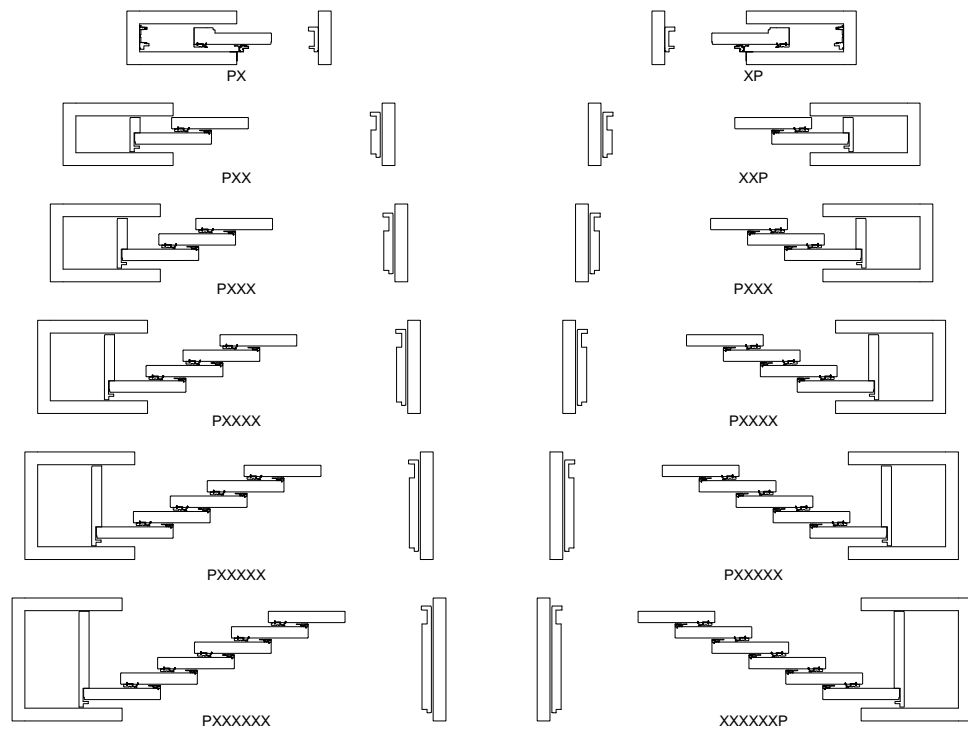


Details and Elevations not to scale.
Please consult your local Marvin representative for more information.
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

MULTI-SLIDE DOOR

STANDARD SIZES AND CONFIGURATIONS - UNI-DIRECTIONAL POCKET

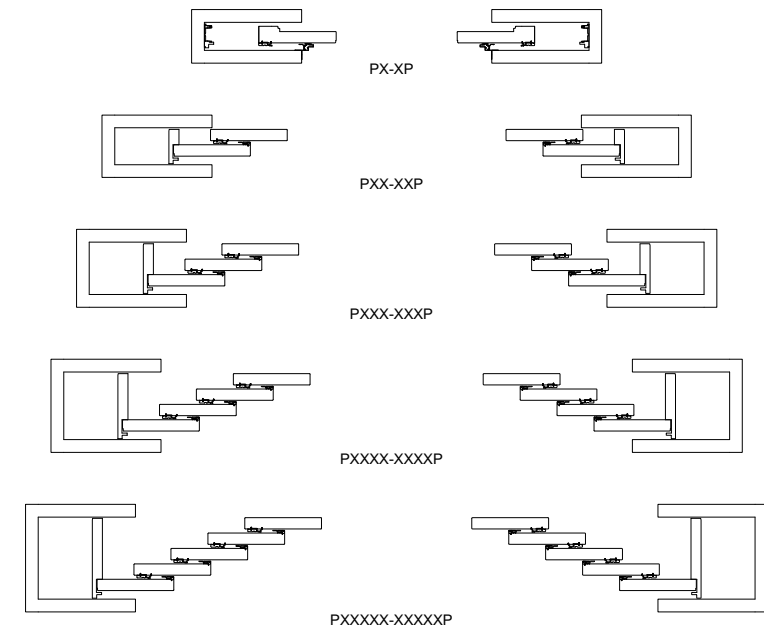
1 PANEL	2 PANEL	3 PANEL	4 PANEL	5 PANEL	6 PANEL
PX/XP	PXX/XXP	PXXX/PXXX	PXXXX/XXXXP	PXXXXX/XXXXXP	PXXXXXX/XXXXXXP
3070	6070	9070	12070	15070	18070
4070	8070	12070	16070	20070	24070
5070	10070	15070	20070	25070	30070
6070	12070	18070	24070	30070	36070
3080	6080	9080	12080	15080	18080
4080	8080	12080	16080	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

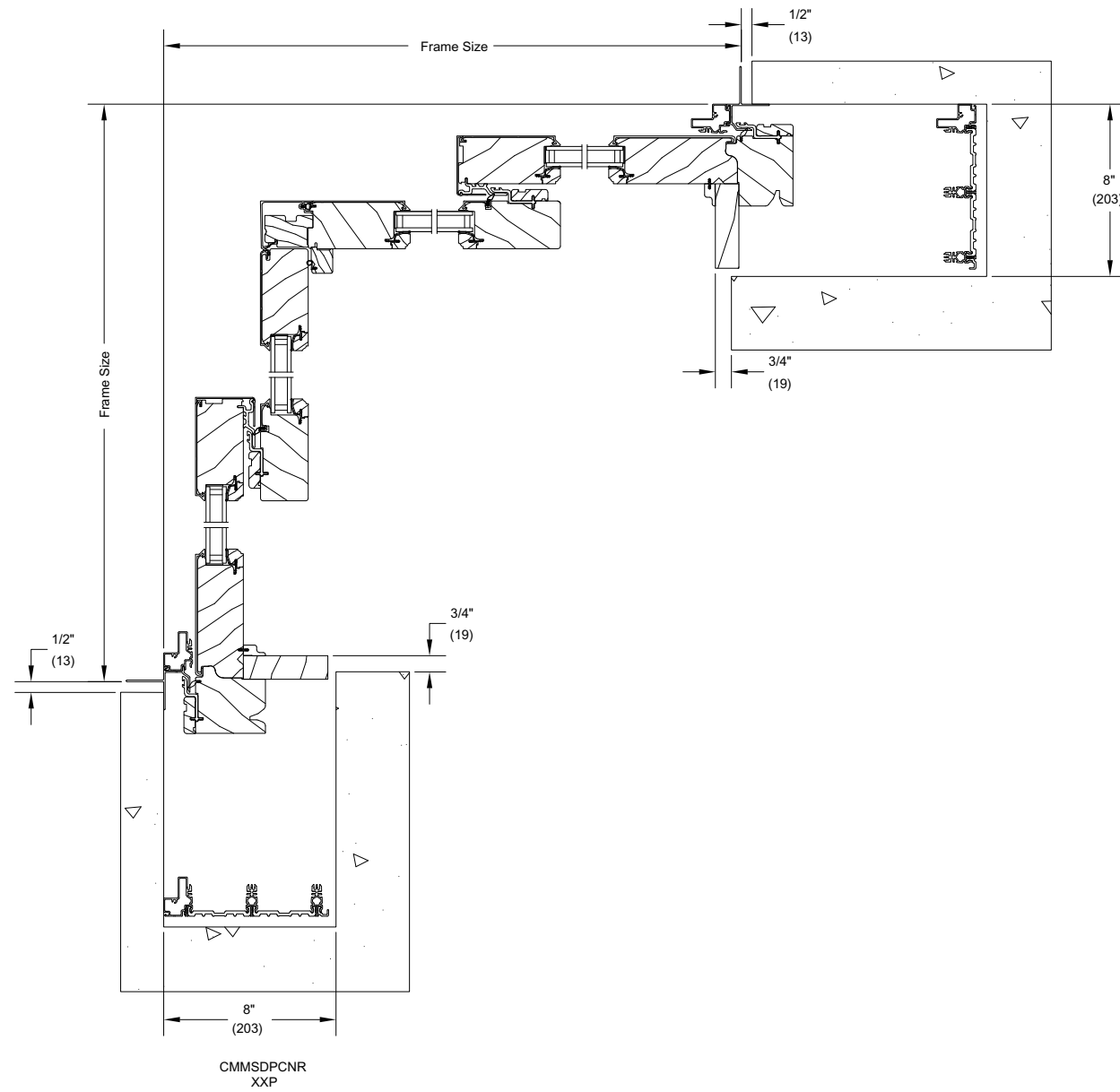
2-PANEL	4-PANEL	6-PANEL	8-PANEL	10-PANEL
PX-XP	PXX-XXP	PXXX-XXXP	PXXXX-XXXXP	PXXXXX-XXXXXP
6070	12070	18070	24070	30070
8070	16070	24070	32070	40070
10070	20070	30070	40070	50070
12070	24070	36070	48070	60070
6080	12080	18080	24080	30080
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10080	20080	30080	40080	50080
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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.
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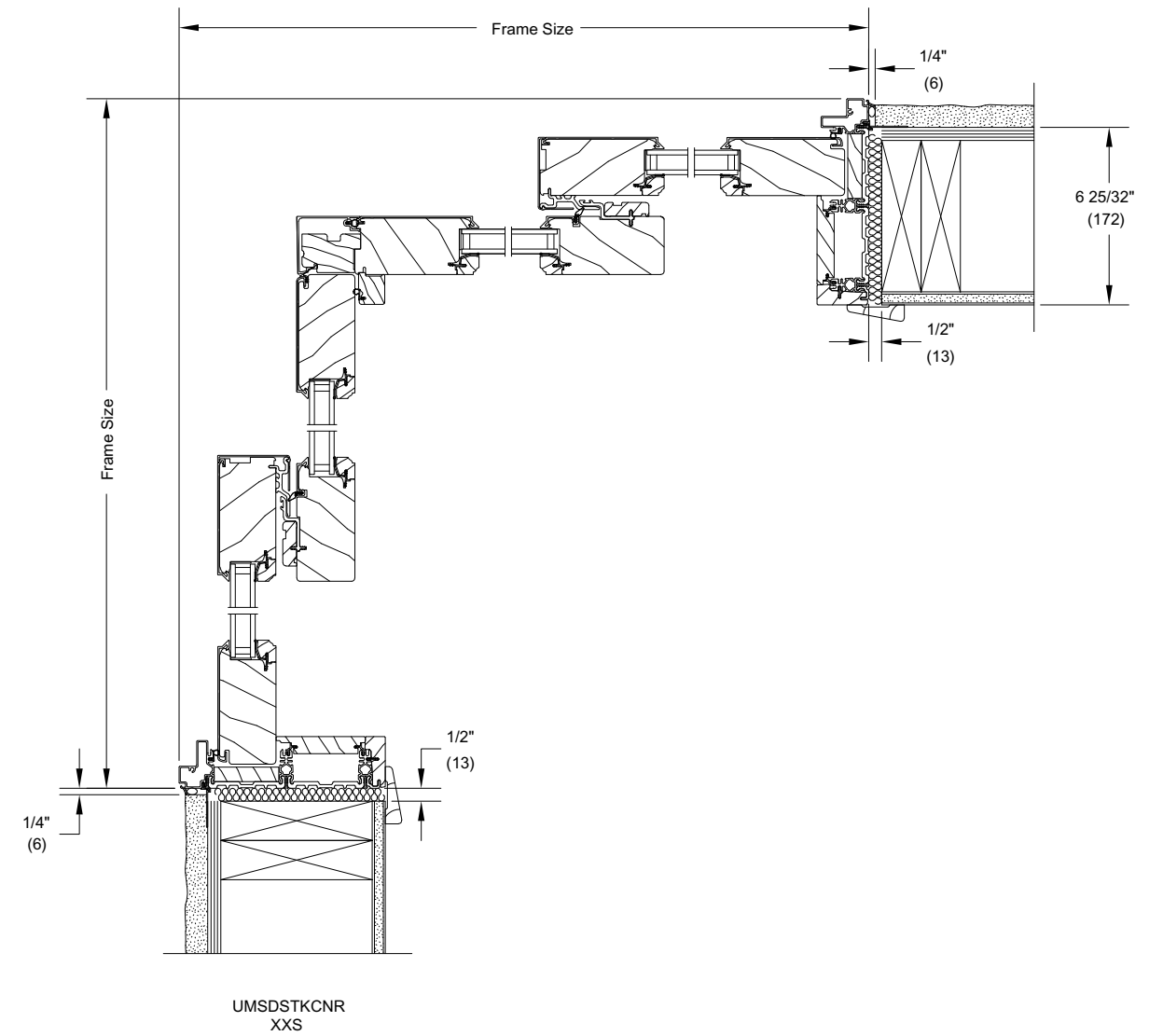
MULTI-SLIDE DOOR POCKET CORNER

CONSTRUCTION DETAILS



MULTI-SLIDE DOOR STACKED CORNER

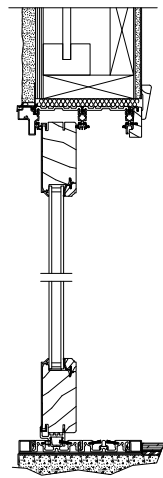
CONSTRUCTION DETAILS



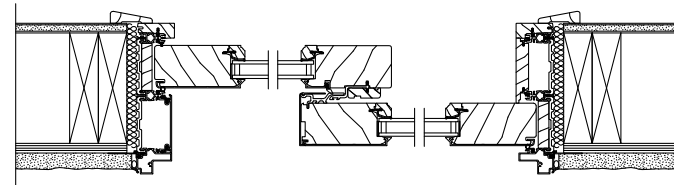
Details and Elevations not to scale.
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MULTI-SLIDE DOOR

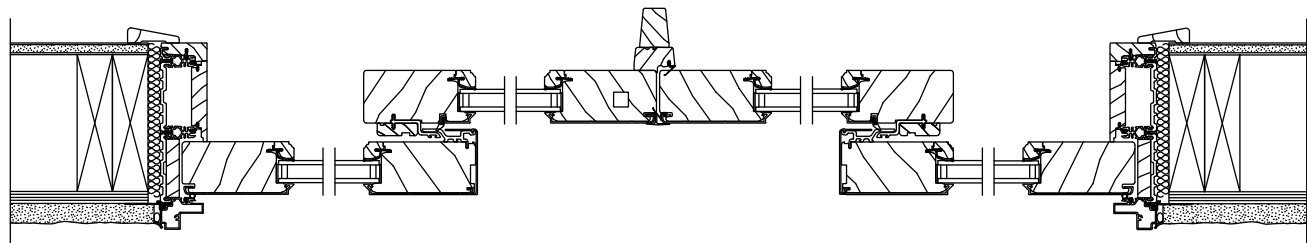
CONSTRUCTION DETAILS - UNI-DIRECTIONAL AND BI PARTING STACKED



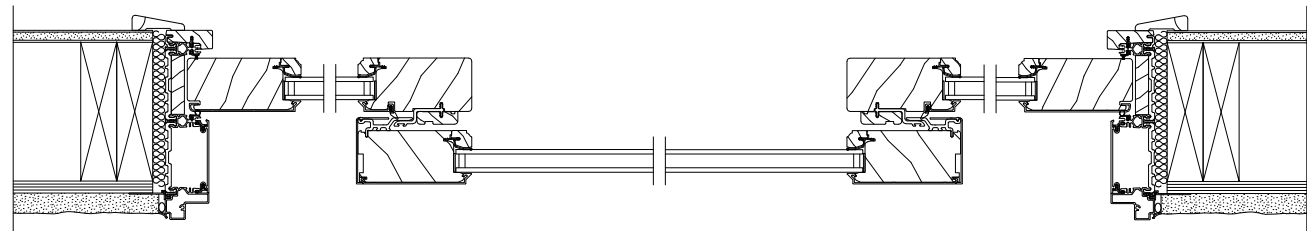
HEAD JAMB AND SILL -
WITH FLUSH SILL



JAMBS -
XO - UNI-DIRECTIONAL STACKED



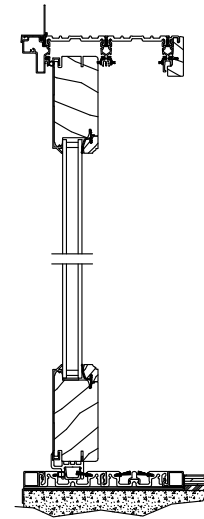
JAMBS -
OX-XO - BI PARTING STACKED



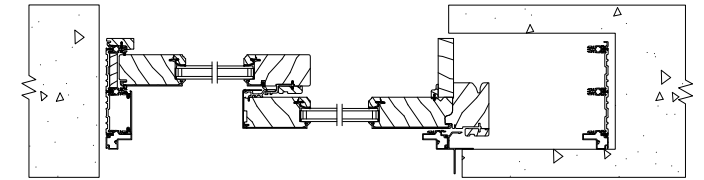
JAMBS -
XOX - BI PARTING STACKED

MULTI-SLIDE DOOR

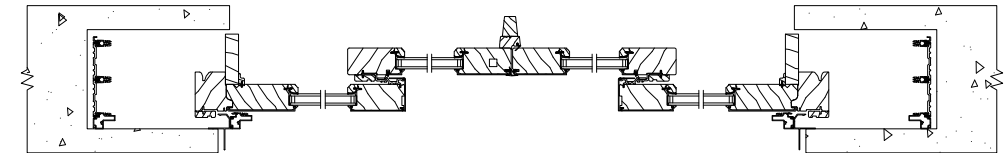
CONSTRUCTION DETAILS - UNI-DIRECTIONAL AND BI PARTING POCKET



HEAD JAMB AND SILL -
WITH FLUSH SILL



JAMBS -
XO - UNI-DIRECTIONAL POCKETS

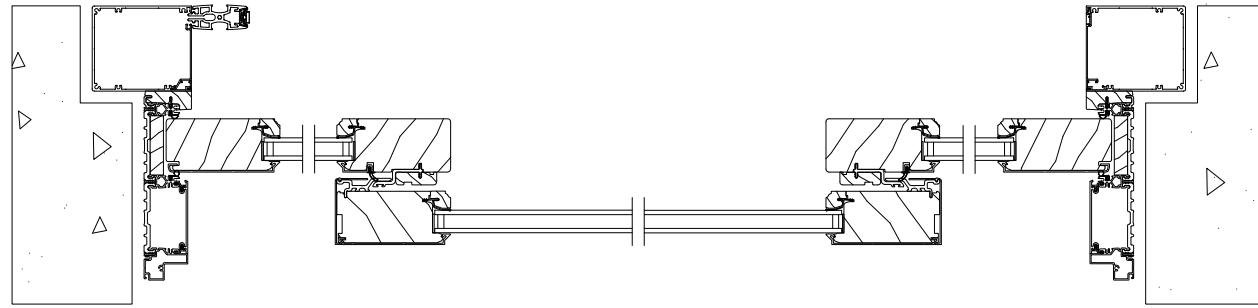


JAMBS -
OX-XO - BI PARTING POCKET

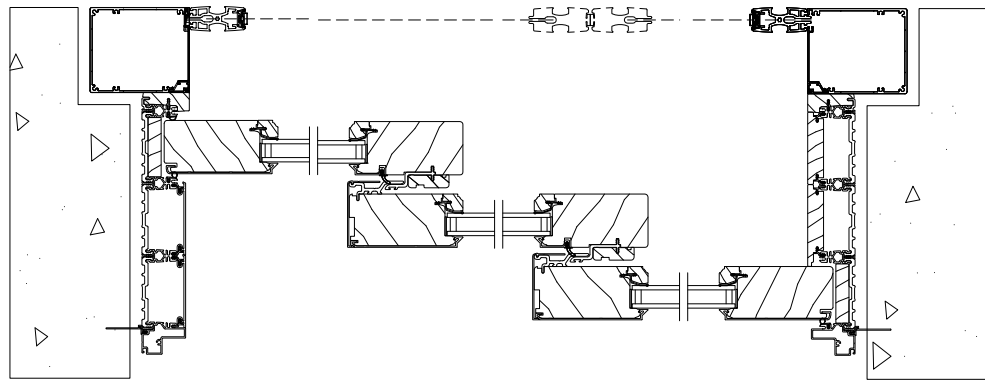
Details and Elevations not to scale.
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section at Marvin.com.

SCENIC DOOR SCREENS

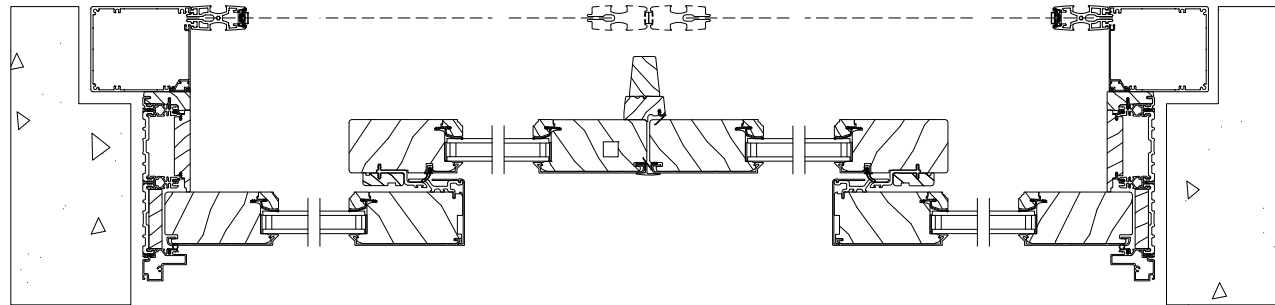
CONSTRUCTION DETAILS - UNI-DIRECTIONAL AND BI PARTING STACKED



UMSD STK
Center Stacked XOX
Left-Hand Screen



Unidirectional XXO
Bi-Parting Screen



Bi-Parting OX-XO
Bi-Parting Screen

Details and Elevations not to scale.
Scenic Screen shown on Multi-Slide Door, but also available with Bi-Fold and Lift and Slide products.
Please consult your local Marvin representative for more information.
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.



Since we opened as a family-owned and -operated lumber and cedar company in 1912, Marvin has designed products to help people live better. We remain committed to bringing beauty and simplicity into people's lives with windows and doors that stand the test of time.

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