

ULTIMATE AWNING
NARROW FRAME WINDOW,
SLIDING DOOR
Ebony

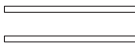


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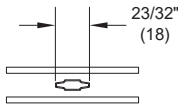
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Product Options

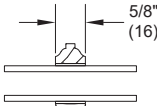
Glazing Profiles



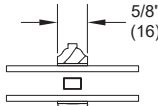
Insulating Glass



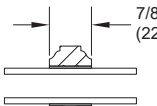
Aluminum 23/32" Contour GBG



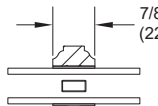
5/8" SDL



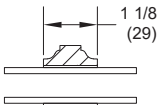
5/8" SDL W/Spacer



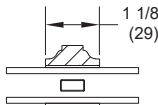
7/8" SDL



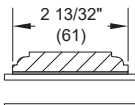
7/8" SDL W/Spacer Bar



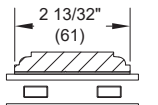
1 1/8" SDL



1 1/8" SDL W/Spacer Bar



2 13/32" SDL

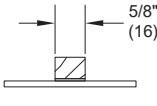


2 13/32" SDL W/Two Spacer Bars

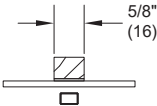
Product Options

Glazing Profiles

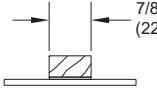
Square Sticking



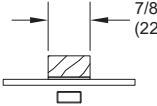
5/8" SDL



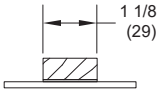
5/8" SDL W/Spacer



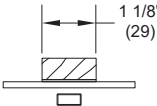
7/8" SDL



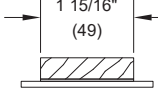
7/8" SDL W/Spacer Bar



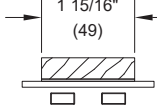
1 1/8" SDL



1 1/8" SDL W/Spacer Bar



1 15/16 " SDL

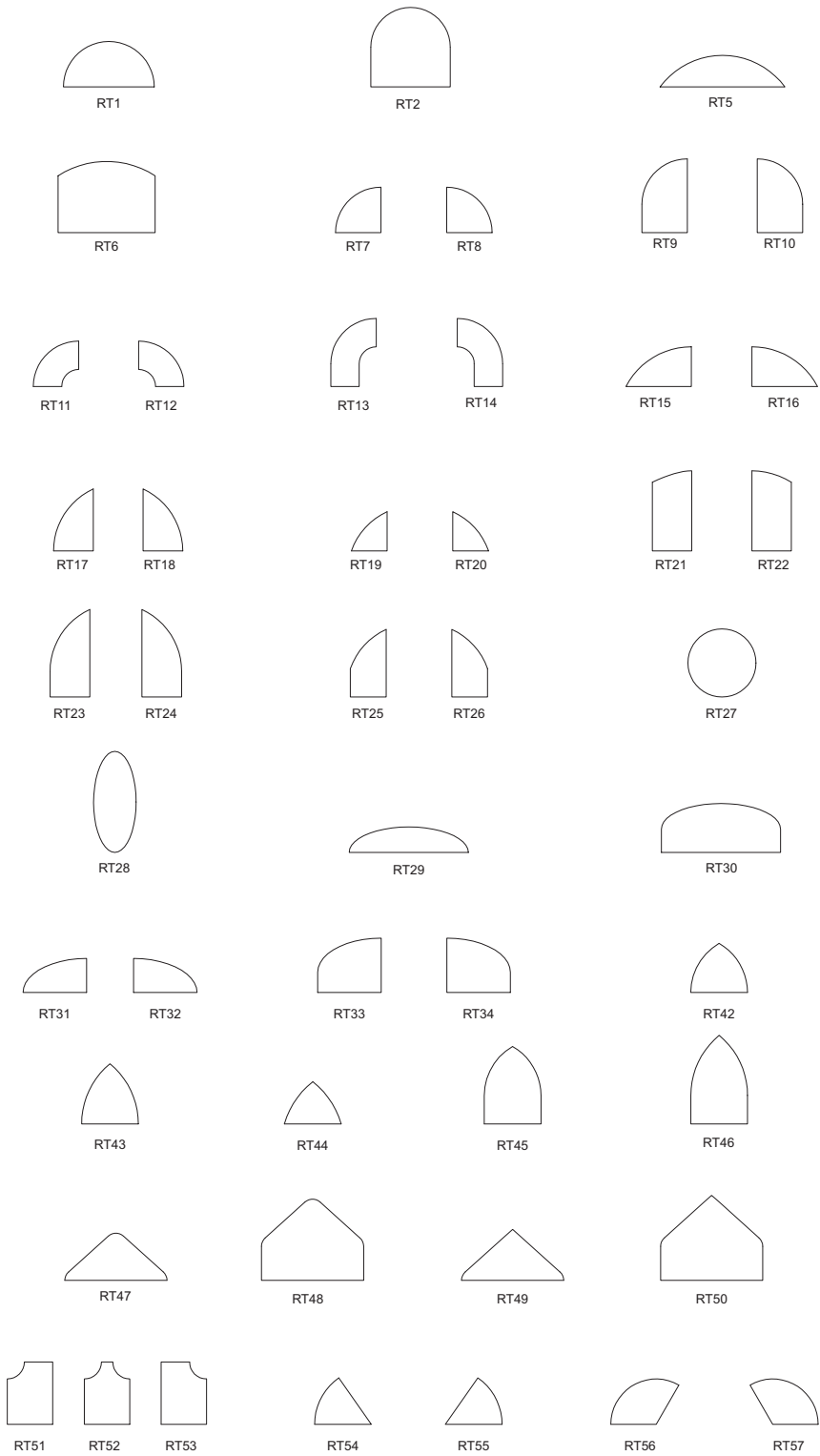


1 15/16" SDL W/Two Spacer Bars

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

Product Options

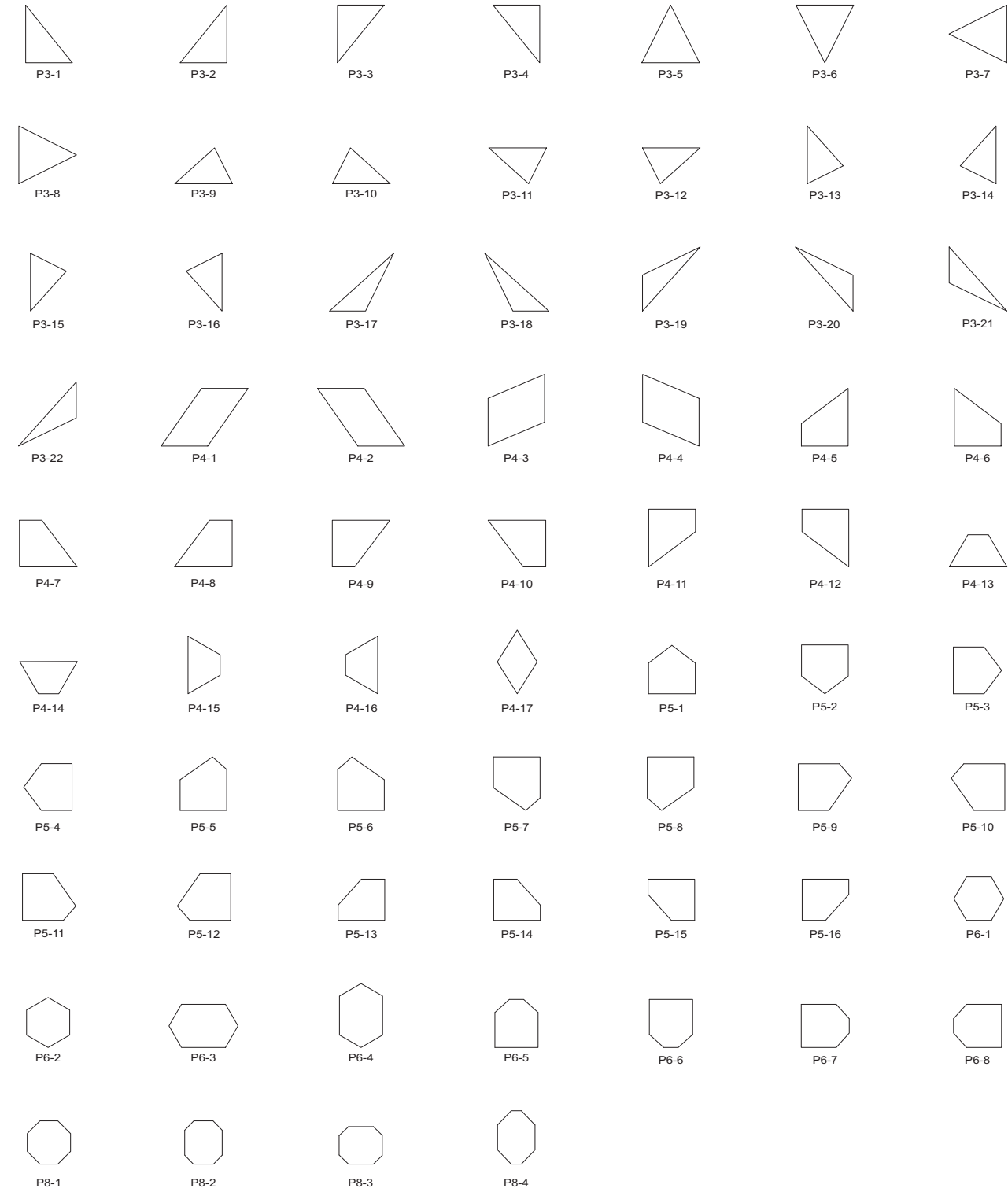
Quick Reference To Round Top Shapes



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

Product Options

Quick Reference To Polygon Shapes



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

Ordering

The following pages include specifications for many of the standard windows and doors Marvin manufactures. For complete specification information, visit Marvin.com 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

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

- Details and Elevations not to scale.
- Numbers listed in parentheses () are metric equivalents in millimeters rounded to the nearest whole number
 - Allow 1/16" (2) tolerance on all measurements
 - On clad units, all masonry openings are based on units without casing
 - All performance information is based on Marvin installation recommendations for standard products
 - Due to the variety of combinations of casing and subsill options available, special dimensional considerations for different installation methods will be required. Please contact your local Marvin retailer when specifying these casing and subsill combinations
- Please consult your local Marvin representative for more information.
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

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

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)
									
	UWDH1612	UWDH2012	UWDH2412	UWDH2612	UWDH2812	UWDH3012	UWDH3212	UWDH3612	UWDH4012
									
	UWDH1614	UWDH2014	UWDH2414	UWDH2614	UWDH2814	UWDH3014	UWDH3214	UWDH3614	UWDH4014
									
	UWDH1616	UWDH2016	UWDH2416	UWDH2616	UWDH2816	UWDH3016	UWDH3216	UWDH3616	UWDH4016
									
	UWDH1618	UWDH2018	UWDH2418	UWDH2618	UWDH2818	UWDH3018	UWDH3218	UWDH3618	UWDH4018
									
	UWDH1620	UWDH2020	UWDH2420	UWDH2620	UWDH2820	UWDH3020	UWDH3220	UWDH3620	UWDH4020
									
	UWDH1622	UWDH2022	UWDH2422	UWDH2622	UWDH2822	UWDH3022	UWDH3222	UWDH3622	UWDH4022
									
	UWDH1624	UWDH2024	UWDH2424	UWDH2624	UWDH2824	UWDH3024	UWDH3224	UWDH3624	UWDH4024
									
	UWDH1626	UWDH2026	UWDH2426	UWDH2626	UWDH2826	UWDH3026	UWDH3226	UWDH3626 E	UWDH4026 E
									
	UWDH1628	UWDH2028	UWDH2428	UWDH2628	UWDH2828	UWDH3028 E	UWDH3228 E	UWDH3628 E	UWDH4028 E

Multiple Assembly Conversions

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

ULTIMATE WOOD DOUBLE HUNG: UWDH

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

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)
									
	UWDH1630	UWDH2030	UWDH2430	UWDH2630	UWDH2830 E	UWDH3030 E	UWDH3230 E	UWDH3630 E	UWDH4030 E
									
	UWDH1632	UWDH2032	UWDH2432	UWDH2632 E	UWDH2832 E	UWDH3032 E	UWDH3232 E	UWDH3632 E	UWDH4032 E
									
	UWDH1634	UWDH2034	UWDH2434 E	UWDH2634 E	UWDH2834 E	UWDH3034 E	UWDH3234 E	UWDH3634 E	UWDH4034 E
									
	UWDH1636	UWDH2036	UWDH2436 E	UWDH2636 E	UWDH2836 E	UWDH3036 E	UWDH3236 E	UWDH3636 E	UWDH4036 E
									
	UWDH1640	UWDH2040	UWDH2440 E	UWDH2640 E	UWDH2840 E	UWDH3040 E	UWDH3240 E	UWDH3640 E	UWDH4040 E
									
	UWDH1642	UWDH2042	UWDH2442 E	UWDH2642 E	UWDH2842 E	UWDH3042 E	UWDH3242 E	UWDH3642 E	UWDH4042 E

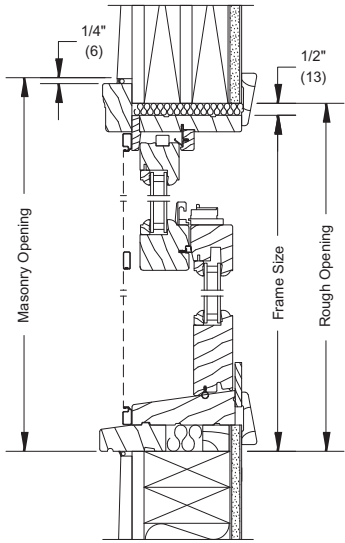
Cottage Style*

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)
									
	UWDH1624/36	UWDH2024/36	UWDH2424/36	UWDH2624/36	UWDH2824/36	UWDH3024/36	UWDH3224/36	UWDH3624/36	UWDH4024/36

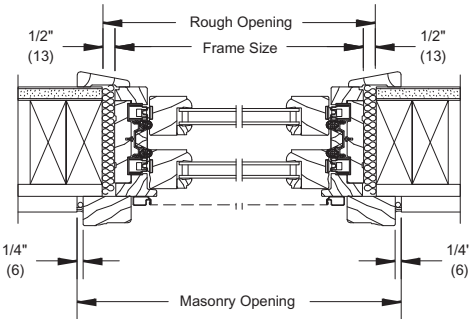
Please consult your local Marvin representative for more information.
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

Wood Double Hung

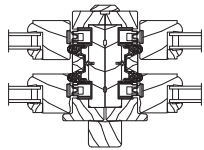
Construction Details



HEAD JAMB AND SILL - OPERATOR



JAMB - OPERATOR



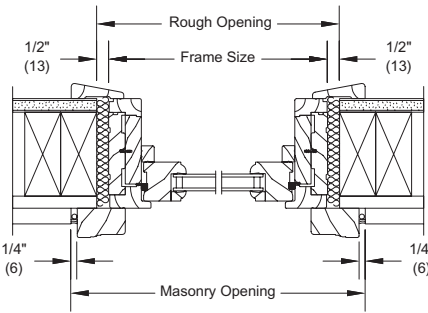
VERTICAL MULLION OPERATOR

Wood Double Hung Transom

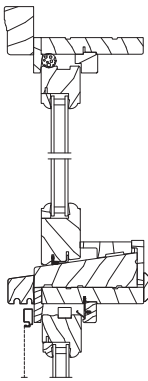
MO (mm)	2-0 1/2 (622)	2-4 1/2 (724)	2-8 1/2 (826)	2-10 1/2 (876)	3-0 1/2 (927)	3-2 1/2 (978)	3-4 1/2 (1029)	3-8 1/2 (1130)	4-0 1/2 (1232)
RO (mm)	1-10 3/8 (568)	2-2 3/8 (670)	2-6 3/8 (772)	2-8 3/8 (822)	2-10 3/8 (873)	3-0 3/8 (924)	3-2 3/8 (975)	3-6 3/8 (1076)	3-10 3/8 (1178)
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1-6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

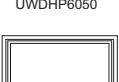
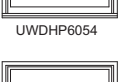
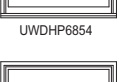
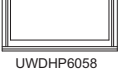
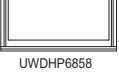
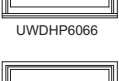
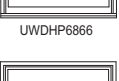
Details and Elevations not to scale.

- 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

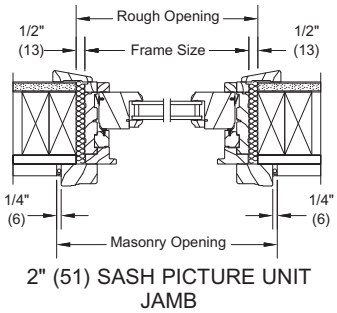
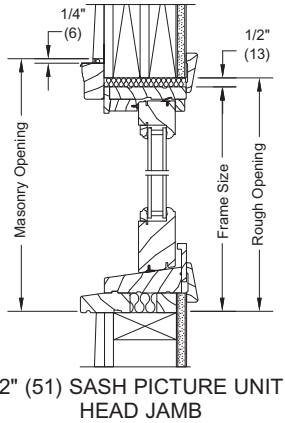
MO (mm)	3-8 1/2 (1130)	4-4 1/2 (1334)	4-8 1/2 (1435)	5-4 1/2 (1638)	6-0 1/2 (1842)
RO (mm)	3-6 3/8 (1076)	4-2 3/8 (1280)	4-6 3/8 (1381)	5-2 3/8 (1584)	5-10 3/8 (1788)
FS (mm)	3-5 3/8 (1051)	4-1 3/8 (1254)	4-5 3/8 (1356)	5-1 3/8 (1559)	5-9 3/8 (1762)
DLO (mm)	2-10 15/16 (887)	3-6 15/16 (1091)	3-10 15/16 (1192)	4-6 15/16 (1395)	5-2 15/16 (1599)
3-5 9/16 (1081)					
3-5 1/2 (1054)					
3-5 (1041)					
2-8 1/4 (819)					
3-10 9/16 (1183)					
3-9 1/2 (1156)					
3-9 (1143)					
3-0 1/4 (921)					
4-2 9/16 (1284)					
4-1 1/2 (1257)					
4-1 (1245)					
3-4 1/4 (1022)					
4-4 9/16 (1386)					
4-5 1/2 (1359)					
4-5 (1346)					
3-8 1/4 (1124)					
4-10 9/16 (1488)					
4-9 1/2 (1461)					
4-9 (1448)					
4-0 1/4 (1226)					
5-2 9/16 (1589)					
5-1 1/2 (1562)					
5-1 (1549)					
4-4 1/4 (1327)					
5-6 9/16 (1691)					
5-5 1/2 (1664)					
5-5 (1651)					
4-8 1/4 (1429)					
5-10 9/16 (1792)					
5-9 1/2 (1765)					
5-9 (1753)					
5-0 1/4 (1530)					
6-2 9/16 (1894)					
6-1 1/2 (1867)					
6-1 (1854)					
5-4 1/4 (1632)					
6-6 9/16 (1986)					
6-5 1/2 (1969)					
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 (2097)					
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.

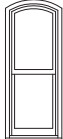
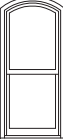
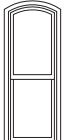
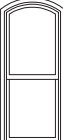
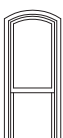
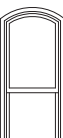
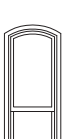
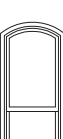
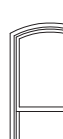
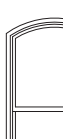
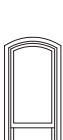
- 2" Picture Sash shown. 1 5/8" also available.

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

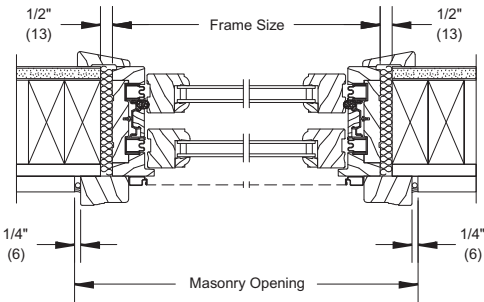
RT6 Eyebrow Above Springline Standard Sizes One Wide Operator

RO (mm)	2-2 3/8 (670)	2-6 3/8 (772)	2-10 3/8 (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 1/32 (1791)	5-10 9/16 (1792)	5-10 1/8 (1781)	5-11 9/32 (1810)	6-0 9/16 (1843)
RO Spln. (mm)	5-5 9/32 (1658)	5-5 1/4 (1657)	5-5 9/32 (1658)	5-5 5/16 (1659)	5-5 9/32 (1658)	5-5 9/32 (1658)
						
RO (mm)	6-1 1/8 (1858)	6-2 1/32 (1893)	6-2 9/16 (1894)	6-2 1/8 (1883)	6-3 9/32 (1912)	6-4 9/16 (1945)
RO Spln. (mm)	5-9 9/32 (1760)	5-9 1/4 (1759)	5-9 9/32 (1759)	5-9 5/16 (1760)	5-9 9/32 (1760)	5-9 9/32 (1759)
						
RO (mm)	6-5 1/8 (1959)	6-6 1/32 (1994)	6-6 9/16 (1996)	6-6 1/8 (1985)	6-7 9/32 (2013)	6-8 9/16 (2046)
RO Spln. (mm)	6-1 9/32 (1861)	6-1 1/4 (1860)	6-1 9/32 (1861)	6-1 5/16 (1862)	6-1 9/32 (1861)	6-1 9/32 (1861)
						
RO (mm)	6-9 1/8 (2061)	6-10 1/32 (2096)	6-10 9/16 (2097)	6-10 1/8 (2086)	6-11 9/32 (2115)	7-0 9/16 (2148)
RO Spln. (mm)	6-5 9/32 (1963)	6-5 1/4 (1962)	6-5 9/32 (1963)	6-5 5/16 (1963)	6-5 9/32 (1963)	6-5 9/32 (1963)
						
RO (mm)	7-1 1/8 (2162)	7-2 1/32 (2198)	7-2 9/16 (2199)	7-2 1/8 (2188)	7-3 9/32 (2217)	7-4 9/16 (2249)
RO Spln. (mm)	6-9 9/32 (2064)	6-9 1/4 (2064)	6-9 9/32 (2064)	6-9 5/16 (2065)	6-9 9/32 (2065)	6-9 9/32 (2064)

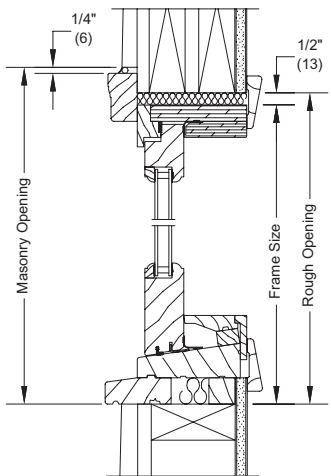
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

Wood Double Hung Round Top

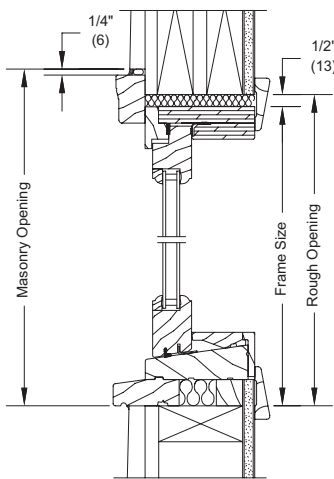
Construction Details



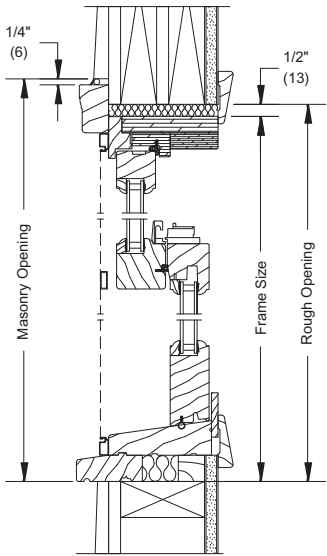
JAMB - OPERATOR



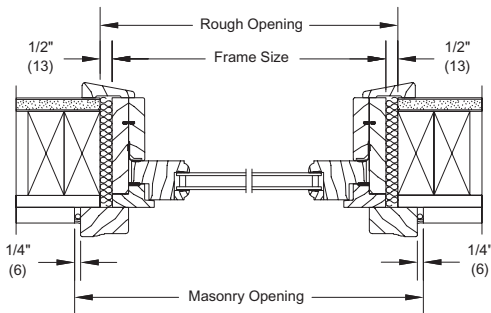
1 5/8" SASH
HEAD JAMB AND SILL - PICTURE



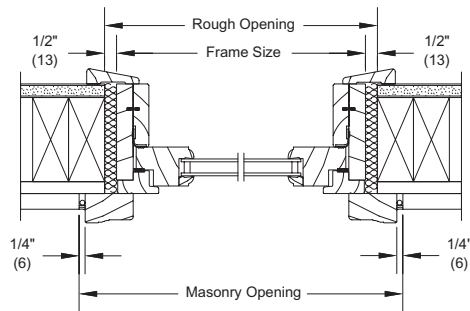
1 5/8" SASH
HEAD JAMB AND SILL - TRANSOM



HEAD JAMB AND SILL - OPERATOR



1 5/8" SASH
JAMB - PICTURE



1 5/8" SASH
JAMB - TRANSOM

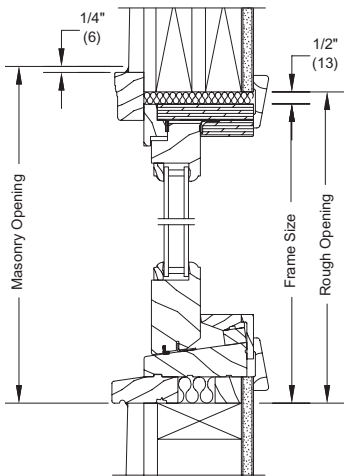
Wood Double Hung Transom Round Top

RT1 True Half Circle - In Sash Transom

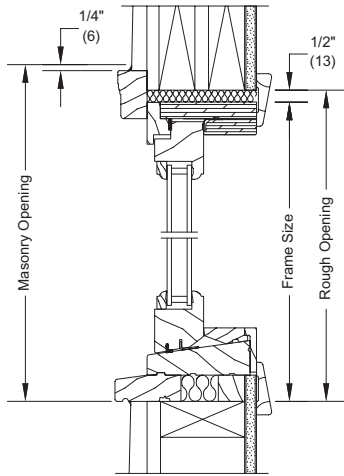
RO (mm)	2-2 3/8 (670)	2-6 3/8 (772)	2-8 3/8 (822)	2-10 3/8 (873)	3-0 3/8 (924)	3-2 3/8 (975)
RO Rad. (mm)	1-1 3/16 (335)	1-3 3/16 (386)	1-4 3/16 (411)	1-5 3/16 (437)	1-6 3/16 (462)	1-7 3/16 (487)
RO (mm)	1-1 3/16 (335)	1-3 3/16 (386)	1-4 3/16 (411)	1-5 3/16 (437)	1-6 3/16 (462)	1-7 3/16 (487)
	UWDHTRRT2015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

RO (mm)	3-6 3/8 (1076)	3-10 3/8 (1178)	4-3 3/4 (1314)	4-11 3/4 (1518)	5-7 3/4 (1721)	6-3 3/4 (1924)
RO Rad. (mm)	1-9 3/16 (538)	1-11 3/16 (589)	2-1 7/8 (657)	2-5 7/8 (759)	2-9 7/8 (860)	3-1 7/8 (962)
RO (mm)	1-9 3/16 (538)	1-11 3/16 (589)	2-1 7/8 (657)	2-5 7/8 (759)	2-9 7/8 (860)	3-1 7/8 (962)
	UWDHTRRT3623	UWDHTRRT4025	UWDHTRRT5027	UWDHTRRT5831	UWDHTRRT6635	UWDHTRRT7439

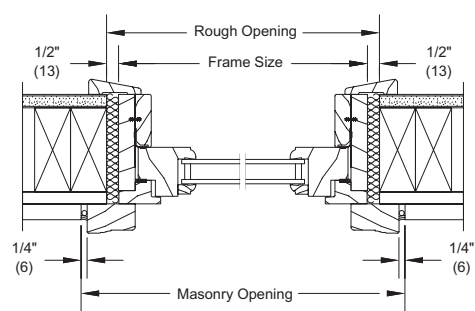
Construction Details



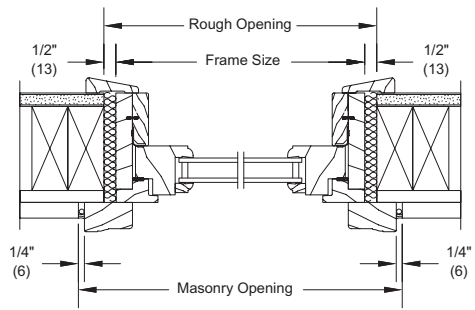
2" SASH HEAD JAMB AND SILL -
PICTURE



2" SASH HEAD JAMB AND SILL -
TRANSOM



2" SASH JAMB - TRANSOM



2" SASH JAMB - PICTURE

Details and Elevations not to scale.

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

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

ULTIMATE WOOD DOUBLE HUNG TRANSOM ROUND TOP: UWDHTRRT

Wood Direct Glaze Round Top - Double Hung

RT6 Eyebrow Above Springline Standard Sizes - Direct Glaze

RO (mm)	2-2 3/8 (670)	2-6 3/8 (772)	2-8 3/8 (822)	2-10 3/8 (873)	3-0 3/8 (924)	3-2 3/8 (975)	3-6 3/8 (1076)
RO Rad. (mm)	2-0 1/2 (622)	2-0 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) RO Spln. (mm)	1-0 1/2 (318) 0-8 5/8 (219)	0-7 7/32 (183)	0-7 7/8 (200)	0-7 3/16 (183)	0-6 1/2 (165)	0-7 11/16 (195)	0-6 1/2 (165)
	UWDGRT2511	UWDGRT2911	UWDGRT3111	UWDGRT3311	UWDGRT3511	UWDGRT3711	UWDGRT4111
	1-6 1/2 (470) 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)
	UWDGRT2519	UWDGRT2919	UWDGRT3119	UWDGRT3319	UWDGRT3519	UWDGRT3719	UWDGRT4119
	2-0 1/2 (622) 1-8 5/8 (524)	1-7 7/32 (488)	1-7 7/8 (505)	1-7 3/16 (487)	1-6 1/2 (470)	1-7 11/16 (500)	1-6 1/2 (470)
	UWDGRT2523	UWDGRT2923	UWDGRT3123	UWDGRT3323	UWDGRT3523	UWDGRT3723	UWDGRT4123
RO (mm) RO Spln. (mm)	3-0 1/2 (927) 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)
	UWDGRT2535	UWDGRT2935	UWDGRT3135	UWDGRT3335	UWDGRT3535	UWDGRT3735	UWDGRT4135
	4-0 1/2 (1232) 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)
	UWDGRT2547	UWDGRT2947	UWDGRT3147	UWDGRT3347	UWDGRT3547	UWDGRT3747	UWDGRT4147
	5-0 1/2 (1537) 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)
	UWDGRT2559	UWDGRT2959	UWDGRT3159	UWDGRT3359	UWDGRT3559	UWDGRT3759	UWDGRT4159
RO (mm) RO Spln. (mm)	6-0 1/2 (1842) 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)
	UWDGRT2571	UWDGRT2971	UWDGRT3171	UWDGRT3371	UWDGRT3571	UWDGRT3771	UWDGRT4171

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

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) RO Spln. (mm)	1-6 1/2 (470) 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)
	UWDGRT4519	UWDGRT5119	UWDGRT5919	UWDGRT6719	UWDGRT7519
	2-0 1/2 (622) 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)
	UWDGRT4523	UWDGRT5123	UWDGRT5923	UWDGRT6723	UWDGRT7523
	3-0 1/2 (927) 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)
	UWDGRT4535	UWDGRT5135	UWDGRT5935	UWDGRT6735	UWDGRT7535
RO Spln. (mm)	4-0 1/2 (1232) 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)
	UWDGRT4547	UWDGRT5147	UWDGRT5947	UWDGRT6747	UWDGRT7547
	5-0 1/2 (1537) 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)
	UWDGRT4559	UWDGRT5159	UWDGRT5959	UWDGRT6759	UWDGRT7559
	6-0 1/2 (1842) 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)
	UWDGRT4571	UWDGRT5171	UWDGRT5971	UWDGRT6771	UWDGRT7571

Wood Direct Glaze Round Top - Double Hung

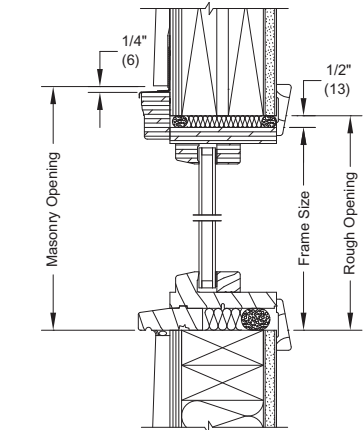
RT1 True Half Circle Standard Sizes - Direct Glaze

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)
	1-3 3⁄16 (886)	1-4 3⁄16 (411)	1-5 3⁄16 (437)	1-6 3⁄16 (462)	1-7 3⁄16 (487)	1-9 3⁄16 (638)
	UWDGRT2914	UWDGRT3115	UWDGRT3316	UWDGRT3517	UWDGRT3718	UWDGRT4120
RO (mm)	3-10 3⁄8 (1178)	4-3 3⁄4 (1314)	4-11 3⁄4 (1518)	5-7 3⁄4 (1721)	6-3 3⁄4 (1924)	
	1-11 3⁄16 (669)	2-1 7⁄8 (657)	2-5 7⁄8 (759)	2-9 7⁄8 (860)	3-1 7⁄8 (962)	
	UWDGRT4522	UWDGRT5025	UWDGRT5828	UWDGRT6632	UWDGRT7437	

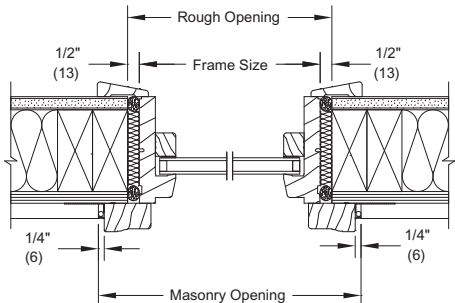
RT29 Elliptical Standard Sizes - Direct Glaze

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

Construction Details



HEAD JAMB AND SILL - DIRECT GLAZE



JAMB - DIRECT GLAZE

Details and Elevations not to scale.

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

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

Double Hung G2

MO (mm)	1-9 3⁄4 (552)	2-1 3⁄4 (654)	2-5 3⁄4 (756)	2-7 3⁄4 (806)	2-9 3⁄4 (857)	2-11 3⁄4 (908)
RO (mm)	1-10 1⁄4 (565)	2-2 1⁄4 (667)	2-6 1⁄4 (768)	2-8 1⁄4 (819)	2-10 1⁄4 (870)	3-0 1⁄4 (921)
FS (mm)	1-9 1⁄4 (540)	2-1 1⁄4 (641)	2-5 1⁄4 (743)	2-7 1⁄4 (794)	2-9 1⁄4 (845)	2-11 1⁄4 (895)
DLO (mm)	14 47⁄64 (347)	18 47⁄64 (476)	22 47⁄64 (577)	24 47⁄64 (628)	26 47⁄64 (679)	28 47⁄64 (730)
2-7 3⁄4 (806)	UDHG2 1612	UDHG2 2012	UDHG2 2412	UDHG2 2612	UDHG2 2812	UDHG2 3012
2-8 (813)						
2-11 3⁄4 (908)	UDHG2 1614	UDHG2 2014	UDHG2 2414	UDHG2 2614	UDHG2 2814	UDHG2 3014
3-0 (914)						
2-11 1⁄2 (902)						
12 3⁄4 (324)						
3-3 3⁄4 (1010)	UDHG2 1616	UDHG2 2016	UDHG2 2416	UDHG2 2616	UDHG2 2816	UDHG2 3016
3-4 (1016)						
3-3 1⁄2 (1003)						
14 3⁄4 (375)						
3-7 3⁄4 (1111)	UDHG2 1618	UDHG2 2018	UDHG2 2418	UDHG2 2618	UDHG2 2818	UDHG2 3018
3-8 (1118)						
3-7 1⁄2 (1105)						
16 3⁄4 (425)						
3-11 3⁄4 (1213)	UDHG2 1620	UDHG2 2020	UDHG2 2420	UDHG2 2620	UDHG2 2820	UDHG2 3020
4-0 (1219)						
3-11 1⁄2 (1207)						
18 3⁄4 (476)						
4-3 3⁄4 (1314)	UDHG2 1622	UDHG2 2022	UDHG2 2422	UDHG2 2622	UDHG2 2822	UDHG2 3022
4-4 (1321)						
4-3 1⁄2 (1308)						
20 3⁄4 (527)						
4-7 3⁄4 (1416)	UDHG2 1624	UDHG2 2024	UDHG2 2424	UDHG2 2624	UDHG2 2824	UDHG2 3024
4-8 (1422)						
4-7 1⁄2 (1410)						
22 3⁄4 (578)						
4-11 3⁄4 (1518)	UDHG2 1626	UDHG2 2026	UDHG2 2426	UDHG2 2626	UDHG2 2826	UDHG2 3026
5-0 (1524)						
4-11 1⁄2 (1511)						
24 3⁄4 (629)						
5-3 3⁄4 (1619)	UDHG2 1628	UDHG2 2028	UDHG2 2428	UDHG2 2628	UDHG2 2828	UDHG2 3028 E
5-4 (1626)						
5-3 1⁄2 (1613)						
26 3⁄4 (679)						

Multiple Assembly Conversions

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

ULTIMATE DOUBLE HUNG G2: UDHG2

Double Hung G2

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)
5-3 3/4 (1619) 5-4 (1626) 5-3 1/2 (1613) 26 3/4 (679)	 UDHG2 3212	 UDHG2 3612	 UDHG2 4012	 UDHG2 4412	 UDHG2 4812	 UDHG2 5412	 UDHG2 6012
2-7 3/4 (806) 2-8 (813) 2-7 1/2 (800) 10 3/4 (273)	 UDHG2 3214	 UDHG2 3614	 UDHG2 4014	 UDHG2 4414	 UDHG2 4814	 UDHG2 5414	 UDHG2 6014
2-11 3/4 (908) 3-0 (914) 2-11 1/2 (902) 12 3/4 (324)	 UDHG2 3216	 UDHG2 3616	 UDHG2 4016	 UDHG2 4416	 UDHG2 4816	 UDHG2 5416	 UDHG2 6016
3-3 3/4 (1010) 3-4 (1016) 3-3 1/2 (1003) 14 3/4 (375)	 UDHG2 3218	 UDHG2 3618	 UDHG2 4018	 UDHG2 4418	 UDHG2 4818	 UDHG2 5418	 UDHG2 6018
3-7 3/4 (1111) 3-8 (1118) 3-7 1/2 (1105) 16 3/4 (425)	 UDHG2 3220	 UDHG2 3620	 UDHG2 4020	 UDHG2 4420	 UDHG2 4820	 UDHG2 5420	 UDHG2 6020
3-11 3/4 (1213) 4-0 (1219) 3-11 1/2 (1207) 18 3/4 (476)	 UDHG2 3222	 UDHG2 3622	 UDHG2 4022	 UDHG2 4422	 UDHG2 4822	 UDHG2 5422	 UDHG2 6022
4-3 3/4 (1314) 4-4 (1321) 4-3 1/2 (1306) 20 3/4 (527)	 UDHG2 3224	 UDHG2 3624	 UDHG2 4024	 UDHG2 4424	 UDHG2 4824	 UDHG2 5424	 UDHG2 6024
4-7 3/4 (1416) 4-8 (1422) 4-7 1/2 (1410) 22 3/4 (578)	 UDHG2 3226 E	 UDHG2 3626 E	 UDHG2 4026 E	 UDHG2 4426 E	 UDHG2 4826 E	 UDHG2 5426 E	 UDHG2 6026 E
4-11 3/4 (1518) 5-0 (1524) 4-11 1/2 (1511) 24 3/4 (629)	 UDHG2 3228 E	 UDHG2 3628 E	 UDHG2 4028 E	 UDHG2 4428 E	 UDHG2 4828 E	 UDHG2 5428 E	 UDHG2 6028 E
5-3 3/4 (1619) 5-4 (1626) 5-3 1/2 (1613) 26 3/4 (679)	 UDHG2 3212	 UDHG2 3612	 UDHG2 4012	 UDHG2 4412	 UDHG2 4812	 UDHG2 5412	 UDHG2 6012

Double Hung G2

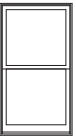
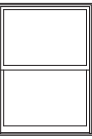
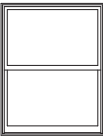
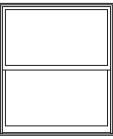
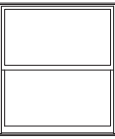
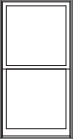
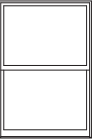
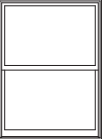
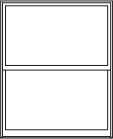
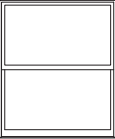
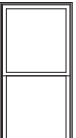
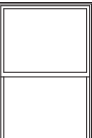
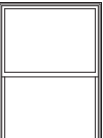
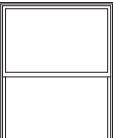
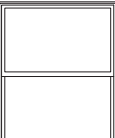
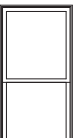
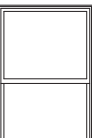
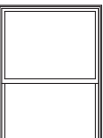
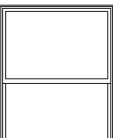
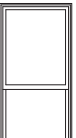
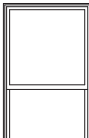
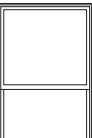
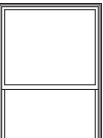
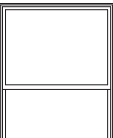
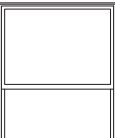
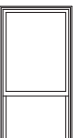
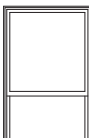
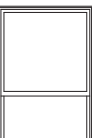
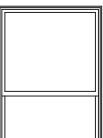
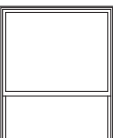
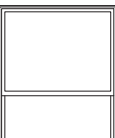
MO (mm)	1-9 3/4 (552)	2-1 3/4 (654)	2-5 3/4 (756)	2-7 3/4 (806)	2-9 3/4 (857)	2-11 3/4 (908)
RO (mm)	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)	3-0 1/4 (921)
FS (mm)	1-9 1/4 (540)	2-1 1/4 (641)	2-5 1/4 (743)	2-7 1/4 (794)	2-9 1/4 (845)	2-11 1/4 (895)
DLO (mm)	14 47/64 (347)	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)	 UDHG2 1630	 UDHG2 2030	 UDHG2 2430	 UDHG2 2630	 UDHG2 2830 E	 UDHG2 3030 E
5-11 3/4 (1822) 6-0 (1829) 5-11 1/2 (1816) 30 3/4 (781)	 UDHG2 1632	 UDHG2 2032	 UDHG2 2432	 UDHG2 2632 E	 UDHG2 2832 E	 UDHG2 3032 E
6-3 3/4 (1924) 6-4 (1930) 6-3 1/2 (1918) 32 3/4 (832)	 UDHG2 1634	 UDHG2 2034	 UDHG2 2434 E	 UDHG2 2634 E	 UDHG2 2834 E	 UDHG2 3034 E
6-7 3/4 (2026) 6-8 (2032) 6-7 1/2 (2019) 34 3/4 (883)	 UDHG2 1636	 UDHG2 2036	 UDHG2 2436 E	 UDHG2 2636 E	 UDHG2 2836 E	 UDHG2 3036 E
7-3 3/4 (2229) 7-4 (2235) 7-3 1/2 (2223) 38 3/4 (984)	 UDHG2 1640	 UDHG2 2040	 UDHG2 2440 E	 UDHG2 2640 E	 UDHG2 2840 E	 UDHG2 3040 E
7-7 3/4 (2330) 7-8 (2337) 7-7 1/2 (2324) 40 3/4 (1035)	 UDHG2 1642	 UDHG2 2042	 UDHG2 2442 E	 UDHG2 2642 E	 UDHG2 2842 E	 UDHG2 3042 E

Details and Elevations not to scale.

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

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

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)							
	UDHG2 3230 E	UDHG2 3630 E	UDHG2 4030 E	UDHG2 4430 E	UDHG2 4830 E	UDHG2 5430 E	UDHG2 6030 E
5-11 3/4 (1822) 6-0 (1829) 5-11 1/2 (1816) 30 3/4 (781)							
	UDHG2 3232 E	UDHG2 3632 E	UDHG2 4032 E	UDHG2 4432 E	UDHG2 4832 E	UDHG2 5432 E	UDHG2 6032 E
6-3 3/4 (1924) 6-4 (1930) 6-3 1/2 (1918) 32 3/4 (832)							
	UDHG2 3234 E	UDHG2 3634 E	UDHG2 4034 E	UDHG2 4434 E	UDHG2 4834 E	UDHG2 5434 E	UDHG2 6034 E
6-7 3/4 (2026) 6-8 (2032) 6-7 1/2 (2019) 34 3/4 (883)							
	UDHG2 3236 E	UDHG2 3636 E	UDHG2 4036 E	UDHG2 4436 E	UDHG2 4836 E	UDHG2 5436 E	UDHG2 6036 E
7-3 3/4 (2229) 7-4 (2235) 7-3 1/2 (2223) 38 3/4 (984)							
	UDHG2 3240 E	UDHG2 3640 E	UDHG2 4040 E	UDHG2 4440 E	UDHG2 4840 E	UDHG2 5440 E	UDHG2 6040 E
7-7 3/4 (2330) 7-8 (2337) 7-7 1/2 (2324) 40 3/4 (1035)							
	UDHG2 3242 E	UDHG2 3642 E	UDHG2 4042 E	UDHG2 4442 E	UDHG2 4842 E	UDHG2 5442 E	UDHG2 6042 E

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

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)						
	UDHG2 1650	UDHG2 2050	UDHG2 2450 E	UDHG2 2650 E	UDHG2 2850 E	UDHG2 3050 E
9-11 3/4 (3042) 10-0 (3048) 9-11 1/2 (3035) 54 3/4 (1391)						
	UDHG2 1656	UDHG2 2056	UDHG2 2456 E	UDHG2 2656 E	UDHG2 2856 E	UDHG2 3056 E
10-7 3/4 (3245) 10-8 (3251) 10-7 1/2 (3239) 58 3/4 (1492)						
	UDHG2 1660	UDHG2 2060	UDHG2 2460 E	UDHG2 2660 E	UDHG2 2860 E	UDHG2 3060 E

Cottage Style*

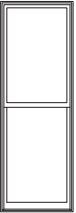
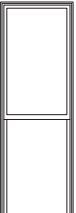
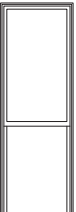
MO (mm)	1-9 3/4 (552)	2-1 3/4 (654)	2-5 3/4 (756)	2-7 3/4 (806)	2-9 3/4 (857)
RO (mm)	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)
FS (mm)	1-9 1/4 (540)	2-1 1/4 (641)	2-5 1/4 (743)	2-7 1/4 (794)	2-9 1/4 (845)
DLO (mm)	14 47/64 (347)	18 47/64 (476)	22 47/64 (577)	24 47/64 (628)	26 47/64 (679)
5-7 3/4 (1721) 5-8 (1727) 5-7 1/2 (1715) 22 3/4 (578)34 3/4 (883)					
	UDHG2 1624/36	UDHG2 2024/36	UDHG2 2424/36	UDHG2 2624/36	UDHG2 2824/36

- * 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

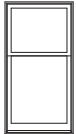
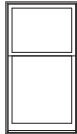
Example:

1. UDHG2 with a 0.400 top sash ration (2/s - 3/s) cottage style. If the rough opening is 2'-2 1/4" x 4' (RO for a CUHD 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/s) = 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

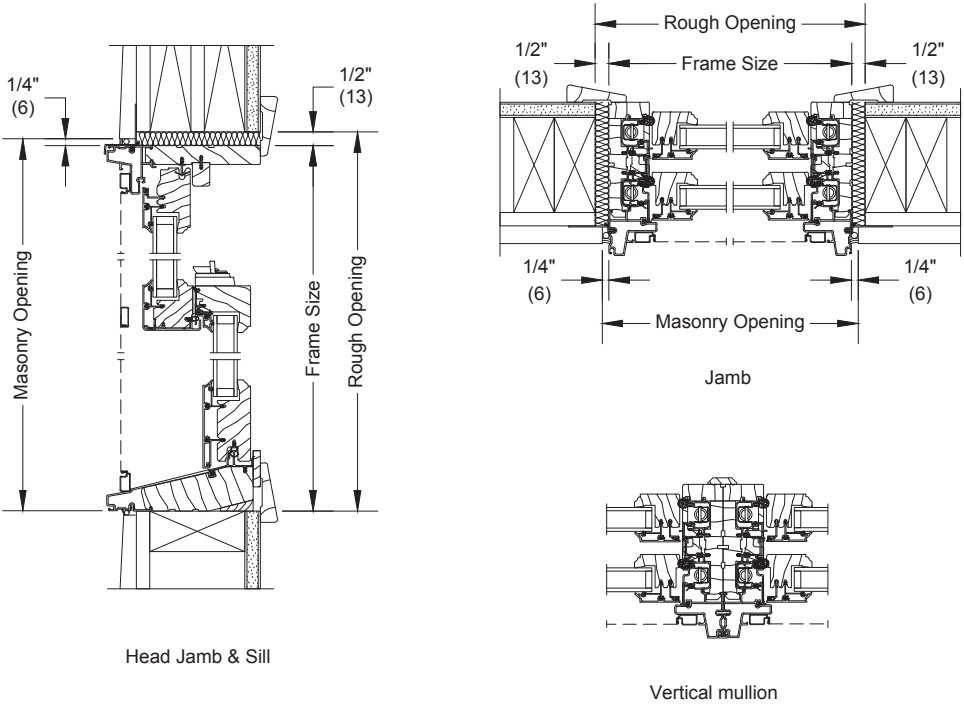
MO (mm)	3-1 3/4 (959)	3-5 3/4 (1060)	3-9 3/4 (1162)	4-1 3/4 (1264)	4-5 3/4 (1365)	4-11 3/4 (1518)	5-5 3/4 (1670)
RO (mm)	3-2 1/4 (972)	3-6 1/4 (1073)	3-10 1/4 (1175)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-0 1/4 (1530)	5-6 1/4 (1683)
FS (mm)	3-1 1/4 (946)	3-5 1/4 (1048)	3-9 1/4 (1149)	4-1 1/4 (1251)	4-5 1/4 (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) 10-8 (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) 5-8 (1727) 5-7 1/2 (1715) 22 3/4 (578)/34 3/4 (883)				
	UDHG2 3024/36	UDHG2 3224/36	UDHG2 3624/36	UDHG2 4024/36

Details and Elevations not to scale.
E These windows meet national Egress codes for fire evacuation. Local codes may differ.
* Cottage Formula:
1. Select the standard size double hung that will fit the rough opening
2. Subtract 7 '1/2" (191) from the frame size height to get total glass height
3. Multiply the total glass height by the desired top sash ratio, this is the top sash glass height
4. Subtract the top sash height from the total glass height, this is the bottom sash glass height
Please consult your local Marvin representative for more information.
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

Double Hung G2



Double Hung Transom G2

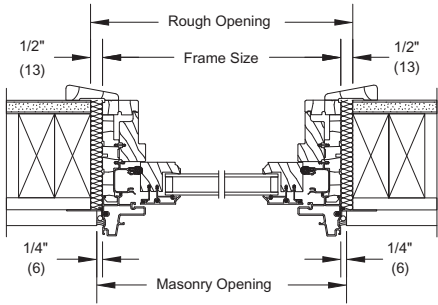
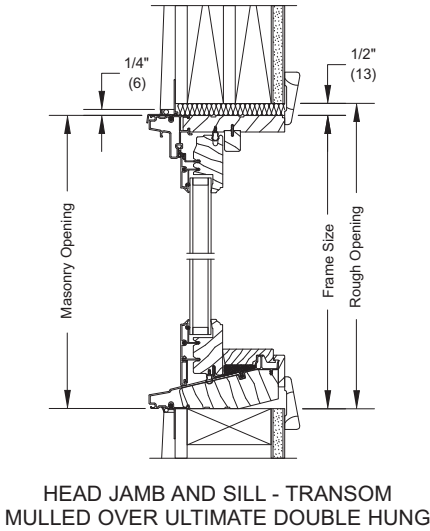
MO (mm)	1-9 3/4 (552)	2-1 3/4 (654)	2-5 3/4 (756)	2-7 3/4 (806)	2-9 3/4 (857)
RO (mm)	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)
FS (mm)	1-9 1/4 (540)	2-1 1/4 (641)	2-5 1/4 (743)	2-7 1/4 (794)	2-9 1/4 (845)
DLO (mm)	14 47/64 (347)	18 47/64 (476)	22 47/64 (577)	24 47/64 (628)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

1-7 15/16 (506) 1-8 3/16 (513) 1-7 11/16 (500) 12 3/4 (324)	 UDHTRG2 1612	 UDHTRG2 2012	 UDHTRG2 2412	 UDHTRG2 2612	 UDHTRG2 2812
2-3 15/16 (710) 2-4 3/16 (716) 2-3 11/16 (703) 20 3/4 (527)	 UDHTRG2 1620	 UDHTRG2 2020	 UDHTRG2 2420	 UDHTRG2 2620	 UDHTRG2 2820

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 (506) 1-8 3/16 (513) 1-7 11/16 (500) 12 3/4 (324)	 UDHTRG2 3012	 UDHTRG2 3212	 UDHTRG2 3612	 UDHTRG2 4012	 UDHTRG2 5412
2-3 15/16 (710) 2-4 3/16 (716) 2-3 11/16 (703) 20 3/4 (527)	 UDHTRG2 3020	 UDHTRG2 3220	 UDHTRG2 3620	 UDHTRG2 4020	 UDHTRG2 5420

Construction Details

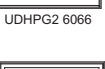
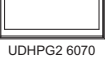
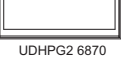


Details and Elevations not to scale.
E These windows meet national Egress codes for fire evacuation. Local codes may differ.
Please consult your local Marvin representative for masonry openings that include casings and subsills.
For further details and drawings visit the 'Technical Specifications' section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

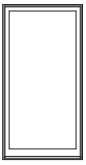
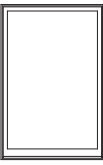
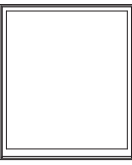
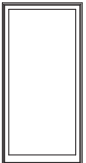
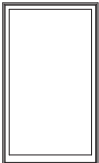
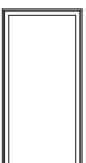
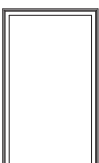
ULTIMATE DOUBLE HUNG TRANSOM G2: UDHTRG2
ULTIMATE DOUBLE HUNG PICTURE G2: UDHPG2

Double Hung Picture G2

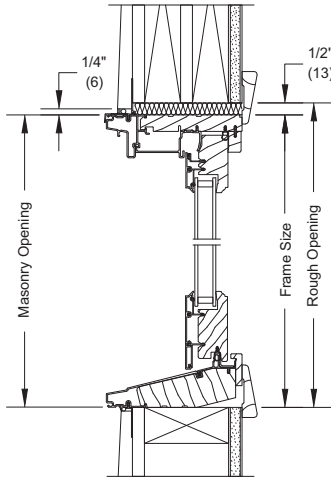
MO (mm)	3-5 3/4 (1060)	4-1 3/4 (1264)	4-5 3/4 (1365)	5-1 3/4 (1568)	5-9 3/4 (1772)
RO (mm)	3-6 1/4 (1073)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-2 1/4 (1581)	5-10 1/4 (1784)
FS (mm)	3-5 1/4 (1048)	4-1 1/4 (1251)	4-5 1/4 (1353)	5-1 1/4 (1556)	5-9 1/4 (1759)
DLO (mm)	34 47/64 (882)	42 47/64 (1085)	46 47/64 (1187)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

3-3 3/4 (1010) 3-4 (1016) 3-7 3/4 (1111) 3-8 (1118) 3-7 1/2 (1105) 35 27/64 (900)	 UDHPG2 4038	 UDHPG2 4838	 UDHPG2 5238	 UDHPG2 6038	 UDHPG2 6838
4-0 5/8 (1235) 4-0 (1219) 4-4 5/8 (1337) 4-4 (1321) 4-3 1/2 (1308) 43 27/64 (1103)	 UDHPG2 4042	 UDHPG2 4842	 UDHPG2 5242	 UDHPG2 6042	 UDHPG2 6842
4-3 5/8 (1438) 4-3 (1422) 4-7 1/2 (1410) 47 27/64 (1204)	 UDHPG2 4046	 UDHPG2 4846	 UDHPG2 5246	 UDHPG2 6046	 UDHPG2 6846
4-4 5/8 (1438) 4-4 (1422) 4-3 1/2 (1308) 43 27/64 (1103)	 UDHPG2 4050	 UDHPG2 4850	 UDHPG2 5250	 UDHPG2 6050	 UDHPG2 6850
4-8 5/8 (1438) 4-8 (1422) 4-7 1/2 (1410) 47 27/64 (1204)	 UDHPG2 4054	 UDHPG2 4854	 UDHPG2 5254	 UDHPG2 6054	 UDHPG2 6854
5-0 5/8 (1540) 5-0 (1524) 5-4 5/8 (1641) 5-4 (1626) 5-3 1/2 (1613) 55 27/64 (1408)	 UDHPG2 4058	 UDHPG2 4858	 UDHPG2 5258	 UDHPG2 6058	 UDHPG2 6858
5-4 5/8 (1743) 5-4 (1727) 5-7 1/2 (1715) 59 27/64 (1509)	 UDHPG2 4062	 UDHPG2 4862	 UDHPG2 5262	 UDHPG2 6062	 UDHPG2 6862
5-8 5/8 (1743) 5-8 (1727) 5-7 1/2 (1715) 59 27/64 (1509)	 UDHPG2 4066	 UDHPG2 4866	 UDHPG2 5266	 UDHPG2 6066	 UDHPG2 6866
6-0 5/8 (1845) 6-0 (1829) 5-11 1/2 (1816) 63 27/64 (1611)	 UDHPG2 4070	 UDHPG2 4870	 UDHPG2 5270	 UDHPG2 6070	 UDHPG2 6870
6-4 5/8 (1946) 6-4 (1930) 6-3 1/2 (1918) 67 27/64 (1712)	 UDHPG2 4074	 UDHPG2 4874	 UDHPG2 5274	 UDHPG2 6074	 UDHPG2 6874

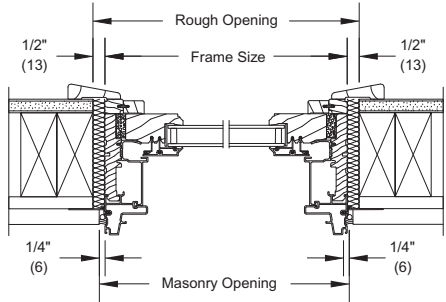
Double Hung Picture G2

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

Construction Details



HEAD JAMB AND SILL - PICTURE



JAMB - PICTURE

Details and Elevations not to scale.
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)	RO Spln. (mm)		2-10 31/64 (876) 2-7 13/16 (808)	UDHRTG2 1612			2-11 19/32 (904) 2-7 25/32 (807)	UDHRTG2 2012			3-0 31/32 (924) 2-7 25/32 (807)	UDHRTG2 2412	
			3-2 31/64 (877) 2-11 13/16 (910)	UDHRTG2 1614			3-3 19/32 (1006) 2-11 25/32 (909)	UDHRTG2 2014			3-4 25/64 (1026) 2-11 25/32 (909)	UDHRTG2 2414	
RO (mm)	RO Spln. (mm)		3-6 31/64 (1079) 3-3 13/16 (1011)	UDHRTG2 1616			3-7 19/32 (1107) 3-3 25/32 (1010)	UDHRTG2 2016			3-8 25/64 (1128) 3-3 25/32 (1010)	UDHRTG2 2416	
			3-10 31/64 (1181) 3-7 13/16 (1113)	UDHRTG2 1618			3-11 19/32 (1209) 3-7 25/32 (1112)	UDHRTG2 2018			4-0 25/64 (1229) 3-7 25/32 (1112)	UDHRTG2 2418	
RO (mm)	RO Spln. (mm)		4-2 31/64 (1282) 3-11 13/16 (1214)	UDHRTG2 1620			4-3 19/32 (1310) 3-11 25/32 (1214)	UDHRTG2 2020			4-4 25/64 (1331) 3-11 25/32 (1214)	UDHRTG2 2420	
			3-11 13/16 (1214) 4-3 13/16 (1316)	UDHRTG2 1622			3-11 25/32 (1214) 4-3 25/32 (1315)	UDHRTG2 2022			4-8 31/32 (1432) 4-3 25/32 (1315)	UDHRTG2 2422	
RO (mm)	RO Spln. (mm)		4-10 31/64 (1485) 4-7 13/16 (1418)	UDHRTG2 1624			4-11 19/32 (1514) 4-7 25/32 (1417)	UDHRTG2 2024			5-0 25/64 (1534) 4-7 25/32 (1417)	UDHRTG2 2424	
			5-2 31/64 (1587) 4-11 13/16 (1519)	UDHRTG2 1626			5-3 19/32 (1615) 4-11 25/32 (1518)	UDHRTG2 2026			5-4 25/64 (1636) 4-11 25/32 (1518)	UDHRTG2 2426	
RO (mm)	RO Spln. (mm)		5-6 31/64 (1689) 5-3 13/16 (1621)	UDHRTG2 1628			5-7 19/32 (1717) 5-3 25/32 (1620)	UDHRTG2 2028			5-8 25/64 (1737) 5-3 25/32 (1620)	UDHRTG2 2428	
			5-10 31/64 (1790) 5-7 13/16 (1722)	UDHRTG2 1630			5-11 19/32 (1818) 5-7 25/32 (1722)	UDHRTG2 2030			6-0 25/64 (1839) 5-7 25/32 (1722)	UDHRTG2 2430	
RO (mm)	RO Spln. (mm)												
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RO (mm)	RO Spln. (mm)												
RO (mm)	RO Spln. (mm)												

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)	6-0 19/32 (1844) 5-7 51/64 (1722)	6-3 1/64 (1873) 5-7 25/32 (1722)	6-3 1/64 (1905) 5-7 49/64 (1721)	6-0 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
RO (mm) RO Spln. (mm)	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
RO (mm) RO Spln. (mm)	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
RO (mm) RO Spln. (mm)	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
RO (mm) RO Spln. (mm)	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
RO (mm) RO Spln. (mm)	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
RO (mm) RO Spln. (mm)	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 (1341) 3-7 49/64 (1112)
	UDHRTG2 3218	UDHRTG2 3618	UDHRTG2 4018	UDHRTG2 4418	UDHRTG2 4818	UDHRTG2 5418
RO (mm) RO Spln. (mm)	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
RO (mm) RO Spln. (mm)	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
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 (991) 2-7 49/64 (807)	3-4 31/64 (1028) 2-7 3/4 (806)	3-3 1/64 (991) 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

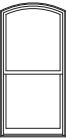
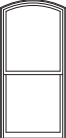
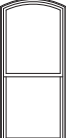
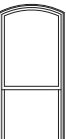
Double Hung Round Top G2

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)	9-2 31/64 (2806) 8-11 13/16 (2738)	9-3 19/32 (2834) 8-11 25/32 (2738)	9-4 31/32 (2859) 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
RO (mm) RO Spln. (mm)	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 (2449) 7-7 25/32 (2331)	8-1 1/32 (2485) 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
RO (mm) RO Spln. (mm)	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
RO (mm) RO Spln. (mm)	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
RO (mm) RO Spln. (mm)	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
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

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)
						
	UDHRTG2 3232 E	UDHRTG2 3632 E	UDHRTG2 4032 E	UDHRTG2 4432 E	UDHRTG2 4832 E	UDHRTG2 5432 E
						
	UDHRTG2 3234 E	UDHRTG2 3634 E	UDHRTG2 4034 E	UDHRTG2 4434 E	UDHRTG2 4834 E	UDHRTG2 5434 E
						
	UDHRTG2 3236 E	UDHRTG2 3636 E	UDHRTG2 4036 E	UDHRTG2 4436 E	UDHRTG2 4836 E	UDHRTG2 5436 E
						
	UDHRTG2 3240 E	UDHRTG2 3640 E	UDHRTG2 4040 E	UDHRTG2 4440 E	UDHRTG2 4840 E	UDHRTG2 5440 E
						
	UDHRTG2 3242 E	UDHRTG2 3642 E	UDHRTG2 4042 E	UDHRTG2 4442 E	UDHRTG2 4842 E	UDHRTG2 5442 E
						
	UDHRTG2 3250 E	UDHRTG2 3650 E	UDHRTG2 4050 E	UDHRTG2 4450 E	UDHRTG2 4850 E	UDHRTG2 5450 E
RO (mm)	9-4 19/32 (2860)	9-5 47/64 (2889)	9-7 1/64 (2921)	9-8 31/64 (2959)	9-8 55/64 (2968)	9-8 55/64 (2968)
RO Spln. (mm)	8-11 51/64 (2738)	8-11 25/32 (2738)	8-11 49/64 (2737)	8-11 3/4 (2737)	8-11 49/64 (2737)	8-11 49/64 (2737)
RO (mm)	8-0 19/32 (2454)	8-1 47/64 (2482)	8-3 1/64 (2515)	8-4 31/64 (2552)	8-4 55/64 (2562)	8-4 55/64 (2562)
RO Spln. (mm)	7-7 51/64 (2332)	7-7 25/32 (2331)	7-7 49/64 (2331)	7-7 3/4 (2330)	7-7 49/64 (2331)	7-7 49/64 (2331)
RO (mm)	7-8 19/32 (2352)	7-9 47/64 (2381)	7-11 1/64 (2413)	8-0 31/64 (2451)	8-0 55/64 (2460)	8-0 55/64 (2460)
RO Spln. (mm)	7-3 51/64 (2230)	7-3 25/32 (2230)	7-3 49/64 (2229)	7-3 3/4 (2229)	7-3 49/64 (2229)	7-3 49/64 (2229)
RO (mm)	7-0 19/32 (2149)	7-1 47/64 (2177)	7-3 1/64 (2210)	7-4 31/64 (2247)	7-4 55/64 (2257)	7-4 55/64 (2257)
RO Spln. (mm)	6-7 51/64 (2027)	6-7 25/32 (2026)	6-7 49/64 (2026)	6-7 3/4 (2025)	6-7 49/64 (2026)	6-7 49/64 (2026)
RO (mm)	6-8 19/32 (2047)	6-9 47/64 (2076)	6-11 1/64 (2109)	6-11 31/64 (2146)	6-11 55/64 (2155)	6-11 55/64 (2155)
RO Spln. (mm)	6-3 51/64 (1925)	6-3 25/32 (1925)	6-3 49/64 (1924)	6-3 3/4 (1924)	6-3 49/64 (1925)	6-3 49/64 (1925)
RO (mm)	6-4 19/32 (1946)	6-5 47/64 (1974)	6-7 1/64 (2007)	6-8 31/64 (2044)	6-8 55/64 (2054)	6-8 55/64 (2054)
RO Spln. (mm)	5-11 51/64 (1824)	5-11 25/32 (1823)	5-11 49/64 (1823)	5-11 3/4 (1822)	5-11 49/64 (1823)	5-11 49/64 (1823)

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)
						
	UDHRTG2 2012	UDHRTG2 2412	UDHRTG2 2612	UDHRTG2 2812	UDHRTG2 3012	UDHRTG2 3212
						
	UDHRTG2 2014	UDHRTG2 2414	UDHRTG2 2614	UDHRTG2 2814	UDHRTG2 3014	UDHRTG2 3214
						
	UDHRTG2 2016	UDHRTG2 2416	UDHRTG2 2616	UDHRTG2 2816	UDHRTG2 3016	UDHRTG2 3216
						
	UDHRTG2 2018	UDHRTG2 2418	UDHRTG2 2618	UDHRTG2 2818	UDHRTG2 3018	UDHRTG2 3218
						
	UDHRTG2 2020	UDHRTG2 2420	UDHRTG2 2620	UDHRTG2 2820	UDHRTG2 3020	UDHRTG2 3220
						
	UDHRTG2 2022	UDHRTG2 2422	UDHRTG2 2622	UDHRTG2 2822	UDHRTG2 3022	UDHRTG2 3222
						
	UDHRTG2 2024	UDHRTG2 2424	UDHRTG2 2624	UDHRTG2 2824	UDHRTG2 3024	UDHRTG2 3224
						
	UDHRTG2 2026	UDHRTG2 2426	UDHRTG2 2626	UDHRTG2 2826	UDHRTG2 3026	UDHRTG2 3226 E
RO (mm)	6-0 5/8 (1845)	6-2 5/8 (1895)	6-3 5/8 (1921)	6-4 5/8 (1946)	6-5 5/8 (1972)	6-6 5/8 (1997)
RO Spln. (mm)	4-11 25/32 (1518)	4-11 5/8 (1794)	4-7 3/4 (1416)	4-7 49/64 (1416)	4-11 3/4 (1518)	4-11 51/64 (1519)
RO (mm)	5-8 5/8 (1743)	5-10 5/8 (1794)	5-11 5/8 (1819)	6-0 5/8 (1845)	6-1 5/8 (1870)	6-2 5/8 (1895)
RO Spln. (mm)	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)	4-7 51/64 (1417)
RO (mm)	5-4 5/8 (1641)	5-6 5/8 (1692)	5-7 5/8 (1718)	5-8 5/8 (1743)	5-9 5/8 (1769)	5-10 5/8 (1794)
RO Spln. (mm)	4-3 25/32 (1315)	4-3 3/4 (1314)	4-3 25/32 (1315)	4-3 49/64 (1315)	4-3 3/4 (1315)	4-3 51/64 (1316)
RO (mm)	5-0 5/8 (1540)	5-2 5/8 (1591)	5-3 5/8 (1616)	5-4 5/8 (1641)	5-5 5/8 (1667)	5-6 5/8 (1692)
RO Spln. (mm)	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)	3-11 51/64 (1214)
RO (mm)	4-8 5/8 (1438)	4-10 5/8 (1489)	4-11 5/8 (1514)	5-0 5/8 (1540)	5-1 5/8 (1565)	5-2 5/8 (1591)
RO Spln. (mm)	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)	3-7 51/64 (1113)
RO (mm)	4-4 5/8 (1337)	4-6 5/8 (1387)	4-7 5/8 (1413)	4-8 5/8 (1438)	4-9 5/8 (1464)	4-10 5/8 (1489)
RO Spln. (mm)	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)	3-3 51/64 (1011)
RO (mm)	4-0 5/8 (1235)	4-2 5/8 (1286)	4-3 5/8 (1311)	4-4 5/8 (1337)	4-5 5/8 (1362)	4-6 5/8 (1387)
RO Spln. (mm)	2-7 25/32 (807)	2-7 3/4 (806)	2-7 25/32 (807)	2-11 49/64 (908)	2-11 3/4 (908)	2-11 51/64 (909)
RO (mm)	3-8 5/8 (1133)	3-10 5/8 (1184)	3-11 5/8 (1210)	4-0 5/8 (1235)	4-1 5/8 (1260)	4-2 5/8 (1286)
RO Spln. (mm)				2-7 49/64 (807)	2-7 3/4 (807)	2-7 51/64 (808)

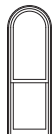
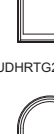
Double Hung Round Top G2

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)
					
	UDHRTG2 3612	UDHRTG2 4012	UDHRTG2 4412	UDHRTG2 4812	UDHRTG2 5412
					
	UDHRTG2 3614	UDHRTG2 4014	UDHRTG2 4414	UDHRTG2 4814	UDHRTG2 5414
					
	UDHRTG2 3616	UDHRTG2 4016	UDHRTG2 4416	UDHRTG2 4816	UDHRTG2 5416
					
	UDHRTG2 3618	UDHRTG2 4018	UDHRTG2 4418	UDHRTG2 4818	UDHRTG2 5418
					
	UDHRTG2 3620	UDHRTG2 4020	UDHRTG2 4420	UDHRTG2 4820	UDHRTG2 5420
					
	UDHRTG2 3622	UDHRTG2 4022	UDHRTG2 4422	UDHRTG2 4822	UDHRTG2 5422
					
	UDHRTG2 3624	UDHRTG2 4024	UDHRTG2 4424	UDHRTG2 4824	UDHRTG2 5424
					
	UDHRTG2 3626 E	UDHRTG2 4026 E	UDHRTG2 4426 E	UDHRTG2 4826 E	UDHRTG2 5426 E
RO (mm)	6-4 5/8 (1845)	6-10 5/8 (2048)	6-8 5/8 (2048)	6-10 5/8 (2099)	7-1 5/8 (2175)
RO Spln. (mm)	4-3 25/32 (1315)	4-11 25/32 (1518)	4-7 3/4 (1416)	4-7 51/64 (1417)	4-7 49/64 (1417)
					
	UDHRTG2 3612	UDHRTG2 4012	UDHRTG2 4412	UDHRTG2 4812	UDHRTG2 5412
					
	UDHRTG2 3614	UDHRTG2 4014	UDHRTG2 4414	UDHRTG2 4814	UDHRTG2 5414
					
	UDHRTG2 3616	UDHRTG2 4016	UDHRTG2 4416	UDHRTG2 4816	UDHRTG2 5416
					
	UDHRTG2 3618	UDHRTG2 4018	UDHRTG2 4418	UDHRTG2 4818	UDHRTG2 5418
	UDHRTG2 3620	UDHRTG2 4020	UDHRTG2 4420	UDHRTG2 4820	UDHRTG2 5420

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 (870)	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) RO Spln. (mm)						
	6-4 5/8 (1946) 5-3 25/32 (1620)	6-6 5/8 (1987) 5-3 3/4 (1619)	6-7 5/8 (2022) 5-3 25/32 (1620)	6-8 5/8 (2048) 5-3 49/64 (1620)	6-9 5/8 (2073) 5-3 3/4 (1619)	6-10 5/8 (2099) 5-3 51/64 (1621)
	UDHRTG2 2028	UDHRTG2 2428	UDHRTG2 2628	UDHRTG2 2828	UDHRTG2 3028 E	UDHRTG2 3228 E
						
	6-8 5/8 (2048) 5-7 25/32 (1722)	6-10 5/8 (2099) 5-7 3/4 (1721)	6-11 5/8 (2124) 5-7 25/32 (1722)	7-0 5/8 (2149) 5-7 49/64 (1721)	7-1 5/8 (2175) 5-7 3/4 (1721)	7-2 5/8 (2200) 5-7 51/64 (1722)
	UDHRTG2 2030	UDHRTG2 2430	UDHRTG2 2630	UDHRTG2 2830 E	UDHRTG2 3030 E	UDHRTG2 3230 E
						
7-0 5/8 (2149) 5-11 25/32 (1823)	7-2 5/8 (2200) 5-11 3/4 (1822)	7-3 5/8 (2226) 5-11 25/32 (1823)	7-4 5/8 (2251) 5-11 49/64 (1823)	7-5 5/8 (2276) 5-11 3/4 (1823)	7-6 5/8 (2302) 5-11 51/64 (1824)	
UDHRTG2 2032	UDHRTG2 2432	UDHRTG2 2632 E	UDHRTG2 2832 E	UDHRTG2 3032 E	UDHRTG2 3232 E	
RO (mm) RO Spln. (mm)						
	7-4 5/8 (2251) 6-3 25/32 (1925)	7-6 5/8 (2302) 6-3 3/4 (1924)	7-7 5/8 (2327) 6-3 25/32 (1925)	7-8 5/8 (2353) 6-3 49/64 (1924)	7-9 5/8 (2378) 6-3 3/4 (1924)	7-10 5/8 (2403) 6-3 51/64 (1925)
	UDHRTG2 2034	UDHRTG2 2434 E	UDHRTG2 2634 E	UDHRTG2 2834 E	UDHRTG2 3034 E	UDHRTG2 3234 E
						
	7-8 5/8 (2353) 6-7 25/32 (2026)	7-10 5/8 (2403) 6-7 3/4 (2026)	7-11 5/8 (2429) 6-7 25/32 (2026)	8-0 5/8 (2454) 6-7 49/64 (2026)	8-1 5/8 (2480) 6-7 3/4 (2026)	8-2 5/8 (2505) 6-7 51/64 (2027)
	UDHRTG2 2036	UDHRTG2 2436 E	UDHRTG2 2636 E	UDHRTG2 2836 E	UDHRTG2 3036 E	UDHRTG2 3236 E
						
8-4 5/8 (2556) 7-3 25/32 (2230)	8-6 5/8 (2607) 7-3 3/4 (2229)	8-7 5/8 (2632) 7-3 25/32 (2230)	8-8 5/8 (2657) 7-3 49/64 (2228)	8-9 5/8 (2683) 7-3 3/4 (2229)	8-10 5/8 (2708) 7-3 51/64 (2230)	
UDHRTG2 2040 E	UDHRTG2 2440 E	UDHRTG2 2640 E	UDHRTG2 2840 E	UDHRTG2 3040 E	UDHRTG2 3240 E	
RO (mm) RO Spln. (mm)						
	8-8 5/8 (2657) 7-7 25/32 (2331)	8-10 5/8 (2708) 7-7 3/4 (2330)	8-11 5/8 (2734) 7-7 25/32 (2331)	9-0 5/8 (2759) 7-7 49/64 (2331)	9-1 5/8 (2784) 7-7 3/4 (2331)	9-2 5/8 (2810) 7-7 51/64 (2332)
	UDHRTG2 2042 E	UDHRTG2 2442 E	UDHRTG2 2642 E	UDHRTG2 2842 E	UDHRTG2 3042 E	UDHRTG2 3242 E

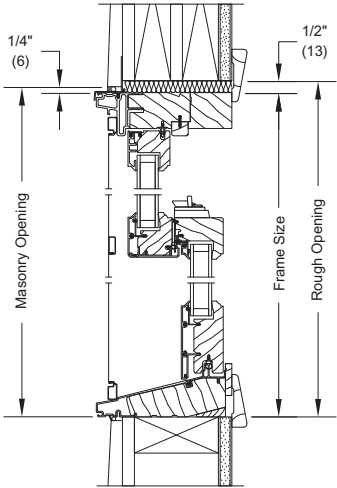
Double Hung Round Top G2

RT2 Half Circle Above Springline Standard Sizes Operators

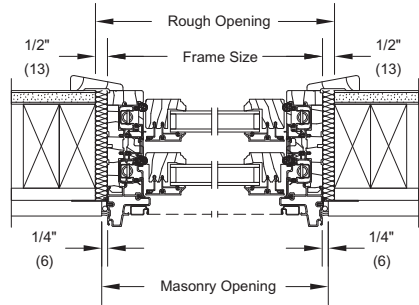
RO (mm)	3-6 1/4 (1073)	3-10 1/4 (1175)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-0 1/4 (1530)
RO Rad. (mm)	1-9 1/8 (537)	1-11 1/8 (587)	2-1 1/8 (638)	2-3 1/8 (689)	2-6 1/8 (765)
RO (mm) RO Splr. (mm)	7-0 5/8 (2149) 5-3 25/32 (1620)				
	UDHRTG2 3628 E				
	7-4 5/8 (2251) 5-7 25/32 (1722)				
	UDHRTG2 3630 E				
	7-8 5/8 (2353) 5-11 25/32 (1823)				
	UDHRTG2 3632 E				
RO (mm) RO Splr. (mm)	8-0 5/8 (2454) 6-3 25/32 (1925)				
	UDHRTG2 3634 E				
	8-4 5/8 (2556) 6-7 25/32 (2026)				
	UDHRTG2 3636 E				
	9-0 5/8 (2759) 7-3 25/32 (2230)				
	UDHRTG2 3640 E				
RO (mm) RO Splr. (mm)	9-4 5/8 (2861) 7-7 25/32 (2331)				
	UDHRTG2 3642 E				
	9-8 5/8 (2911) 7-7 49/64 (2331)				
	UDHRTG2 4042 E				
	9-2 5/8 (2810) 7-3 49/64 (2229)				
	UDHRTG2 4040 E				
RO (mm) RO Splr. (mm)	7-2 5/8 (2200) 5-3 49/64 (1620)				
	UDHRTG2 4028 E				
	7-6 5/8 (2302) 5-7 49/64 (1721)				
	UDHRTG2 4030 E				
	7-10 5/8 (2403) 5-11 49/64 (1823)				
	UDHRTG2 4032 E				
RO (mm) RO Splr. (mm)	8-2 5/8 (2505) 6-3 49/64 (1924)				
	UDHRTG2 4034 E				
	8-6 5/8 (2607) 6-7 49/64 (2026)				
	UDHRTG2 4036 E				
	8-10 5/8 (2709) 6-7 51/64 (2027)				
	UDHRTG2 4038 E				
RO (mm) RO Splr. (mm)	8-4 5/8 (2556) 6-3 3/4 (1924)				
	UDHRTG2 4434 E				
	8-8 5/8 (2657) 6-7 3/4 (2025)				
	UDHRTG2 4436 E				
	9-4 5/8 (2861) 7-3 3/4 (2229)				
	UDHRTG2 4440 E				
RO (mm) RO Splr. (mm)	7-4 5/8 (2251) 5-3 3/4 (1619)				
	UDHRTG2 4428 E				
	7-8 5/8 (2353) 5-7 3/4 (1721)				
	UDHRTG2 4430 E				
	8-0 5/8 (2454) 5-11 3/4 (1822)				
	UDHRTG2 4432 E				
RO (mm) RO Splr. (mm)	8-4 5/8 (2556) 6-3 3/4 (1924)				
	UDHRTG2 4434 E				
	8-8 5/8 (2657) 6-7 3/4 (2025)				
	UDHRTG2 4436 E				
	9-4 5/8 (2861) 7-3 3/4 (2229)				
	UDHRTG2 4440 E				
RO (mm) RO Splr. (mm)	7-6 5/8 (2302) 5-3 51/64 (1620)				
	UDHRTG2 4828 E				
	7-10 5/8 (2403) 5-7 51/64 (1722)				
	UDHRTG2 4830 E				
	8-2 5/8 (2505) 5-11 51/64 (1823)				
	UDHRTG2 4832 E				
RO (mm) RO Splr. (mm)	8-6 5/8 (2607) 6-3 51/64 (1925)				
	UDHRTG2 4834 E				
	9-0 5/8 (2709) 6-7 51/64 (2027)				
	UDHRTG2 4836 E				
	9-6 5/8 (2911) 7-3 51/64 (2230)				
	UDHRTG2 4840 E				
RO (mm) RO Splr. (mm)	7-9 5/8 (2378) 5-3 49/64 (1620)				
	UDHRTG2 5428 E				
	8-1 5/8 (2480) 5-7 49/64 (1721)				
	UDHRTG2 5430 E				
	8-5 5/8 (2581) 5-11 49/64 (1823)				
	UDHRTG2 5432 E				
RO (mm) RO Splr. (mm)	8-9 5/8 (2683) 6-3 49/64 (1925)				
	UDHRTG2 5434 E				
	9-1 5/8 (2784) 6-7 49/64 (2026)				
	UDHRTG2 5436 E				
	9-9 5/8 (2988) 7-3 49/64 (2229)				
	UDHRTG2 5440 E				

Double Hung Round Top G2

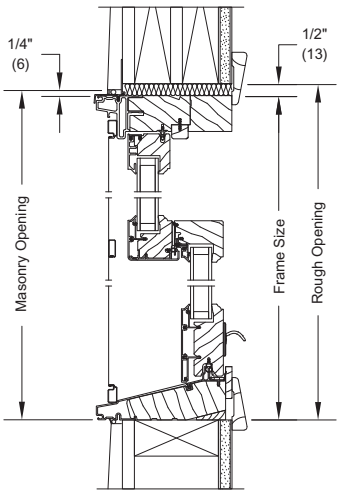
Construction Details - Operator



HEAD JAMB AND SILL - OPERATOR



JAMB - OPERATOR



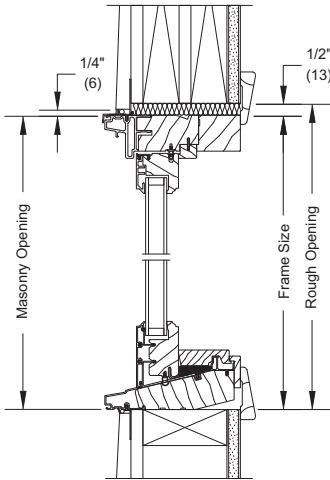
HEAD JAMB AND SILL - OPERATOR
WITH LIFT LOCK

Double Hung Transom Round Top G2

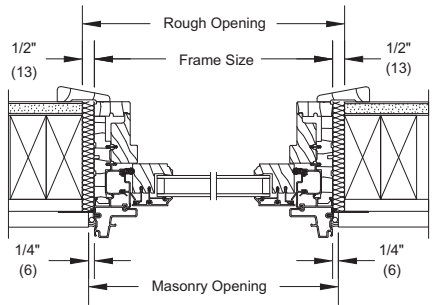
RT6 Transom Eyebrow Above Springline

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) RO Spln. (mm)	1-10 43/64 (576) 1-8 (508)	1-11 25/32 (604) 1-7 31/32 (507)	2-1 5/32 (639) 1-7 15/16 (506)	2-0 37/64 (624) 1-7 31/32 (507)	2-1 7/32 (640) 1-7 61/64 (507)
	UDHTRRTG2 1612	UDHTRRTG2 2012	UDHTRRTG2 2412	UDHTRRTG2 2612	UDHTRRTG2 2812
RO (mm) RO Spln. (mm)	2-6 43/64 (779) 2-4 (711)	2-7 25/32 (807) 2-3 31/32 (710)	2-9 5/32 (842) 2-3 15/16 (709)	2-8 37/64 (827) 2-3 31/32 (710)	2-9 7/32 (844) 2-3 61/64 (710)
	UDHTRRTG2 1620	UDHTRRTG2 2020	UDHTRRTG2 2420	UDHTRRTG2 2620	UDHTRRTG2 2820
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) RO Spln. (mm)	2-1 29/32 (658) 1-7 15/16 (507)	2-0 25/32 (630) 1-7 63/64 (508)	2-1 59/64 (658) 1-7 31/32 (507)	2-3 13/64 (691) 1-7 61/64 (507)	2-5 3/64 (738) 1-7 61/64 (507)
	UDHTRRTG2 3012	UDHTRRTG2 3212	UDHTRRTG2 3612	UDHTRRTG2 4012	UDHTRRTG2 5412
RO (mm) RO Spln. (mm)	2-9 29/32 (861) 2-3 15/16 (710)	2-8 25/32 (833) 2-3 63/64 (711)	2-9 59/64 (861) 2-3 31/32 (710)	2-11 13/64 (894) 2-3 61/64 (710)	3-1 3/64 (941) 2-3 61/64 (710)
	UDHTRRTG2 3020	UDHTRRTG2 3220	UDHTRRTG2 3620	UDHTRRTG2 4020	UDHTRRTG2 5420

Construction Details



HEAD JAMB AND SILL - TRANSOM



JAMB - TRANSOM

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) RO Spln. (mm)	1-4 27/32 (428) 0-3 23/32 (94)	1-6 27/32 (479) 0-3 23/32 (94)	1-7 27/32 (504) 0-3 23/32 (94)	1-8 27/32 (529) 0-3 23/32 (94)	1-9 27/32 (555) 0-3 23/32 (94)
	UDHTRRTG2 2015	UDHTRRTG2 2417	UDHTRRTG2 2618	UDHTRRTG2 2819	UDHTRRTG2 3020
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) RO Spln. (mm)	1-10 27/32 (680) 0-3 23/32 (94)	2-0 27/32 (631) 0-3 23/32 (94)	2-2 27/32 (682) 0-3 23/32 (94)	2-9 27/32 (860) 0-3 23/32 (94)	
	UDHTRRTG2 3221	UDHTRRTG2 3623	UDHTRRTG2 4025	UDHTRRTG2 5432	
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) RO Spln. (mm)	2-9 15/32 (850) 0-3 23/32 (94)	3-1 15/32 (852) 0-3 23/32 (94)	3-5 15/32 (1053) 0-3 23/32 (94)		
	UDHTRRTG2 5834	UDHTRRTG2 6638	UDHTRRTG2 7442		

ULTIMATE DOUBLE HUNG TRANSOM ROUND TOP G2: UDHTRRTG2

Double Hung Picture Round Top G2

RT6 Picture Eyebrow Above Springline

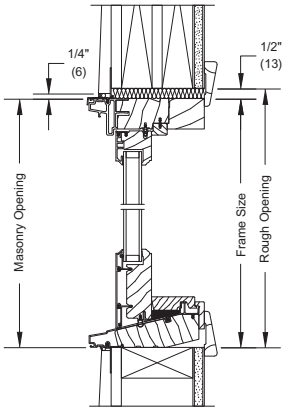
RO (mm)	3-6 1/4 (1073)	4-2 1/4 (1276)	4-6 1/4 (1378)	5-2 1/4 (1581)	5-10 1/4 (1784)
RO Rad. (mm)	3-4 1/2 (1029)	3-4 1/2 (1029)	4-6 1/2 (1384)	6-0 1/2 (1842)	6-0 1/2 (1842)
	3-9 47/64 (1161) 3-3 25/32 (1010)	4-0 31/64 (1231) 3-3 3/4 (1039)	4-0 31/64 (1194) 3-3 51/64 (1011)	3-10 27/32 (1190) 3-3 13/16 (1011)	4-0 7/8 (1241) 3-3 51/64 (1011)
	UDHPRTG2 4038	UDHPRTG2 4838	UDHPRTG2 5238	UDHPRTG2 6038	UDHPRTG2 6838
	4-1 47/64 (1263) 3-7 25/32 (1112)	4-4 31/64 (1333) 3-7 3/4 (1111)	4-3 1/64 (1266) 3-7 51/64 (1112)	4-2 27/32 (1281) 3-7 13/16 (1113)	4-4 7/8 (1343) 3-7 51/64 (1112)
	UDHPRTG2 4042	UDHPRTG2 4842	UDHPRTG2 5242	UDHPRTG2 6042	UDHPRTG2 6842
	4-5 47/64 (1365) 3-11 25/32 (1214)	4-8 31/64 (1435) 3-11 3/4 (1213)	4-7 1/64 (1398) 3-11 51/64 (1214)	4-6 27/32 (1393) 3-11 13/16 (1215)	4-8 7/8 (1445) 3-11 51/64 (1214)
	UDHPRTG2 4046	UDHPRTG2 4846	UDHPRTG2 5246	UDHPRTG2 6046	UDHPRTG2 6846
	4-9 47/64 (1466) 4-3 25/32 (1315)	5-0 31/64 (1536) 4-3 3/4 (1314)	4-11 1/64 (1499) 4-3 51/64 (1315)	4-10 27/32 (1494) 4-3 13/16 (1316)	5-0 7/8 (1546) 4-3 51/64 (1316)
	UDHPRTG2 4050	UDHPRTG2 4850	UDHPRTG2 5250	UDHPRTG2 6050	UDHPRTG2 6850
	5-1 47/64 (1568) 4-7 25/32 (1417)	5-4 31/64 (1638) 4-7 3/4 (1416)	5-3 1/64 (1601) 4-7 51/64 (1417)	5-2 27/32 (1566) 4-7 13/16 (1418)	5-4 7/8 (1648) 4-7 51/64 (1417)
	UDHPRTG2 4054	UDHPRTG2 4854	UDHPRTG2 5254	UDHPRTG2 6054	UDHPRTG2 6854
	5-5 47/64 (1669) 4-11 25/32 (1518)	5-8 31/64 (1739) 4-11 3/4 (1517)	5-7 1/64 (1702) 4-11 51/64 (1519)	5-6 27/32 (1698) 4-11 13/16 (1519)	5-8 7/8 (1749) 4-11 51/64 (1519)
	UDHPRTG2 4058	UDHPRTG2 4858	UDHPRTG2 5258	UDHPRTG2 6058	UDHPRTG2 6858
	5-9 47/64 (1771) 5-3 25/32 (1620)	6-0 31/64 (1841) 5-3 3/4 (1619)	5-11 1/64 (1804) 5-3 51/64 (1620)	5-10 27/32 (1799) 5-3 13/16 (1621)	6-0 7/8 (1851) 5-3 51/64 (1620)
	UDHPRTG2 4062	UDHPRTG2 4862	UDHPRTG2 5262	UDHPRTG2 6062	UDHPRTG2 6862
	6-1 47/64 (1873) 5-7 25/32 (1722)	6-4 31/64 (1943) 5-7 3/4 (1721)	6-3 1/64 (1906) 5-7 51/64 (1722)	6-2 27/32 (1901) 5-7 13/16 (1723)	6-4 7/8 (1953) 5-7 51/64 (1722)
	UDHPRTG2 4066	UDHPRTG2 4866	UDHPRTG2 5266	UDHPRTG2 6066	UDHPRTG2 6866
	6-5 47/64 (1974) 5-11 25/32 (1823)	6-8 31/64 (2044) 5-11 3/4 (1822)	6-7 1/64 (2007) 5-11 51/64 (1823)	6-6 27/32 (2002) 5-11 13/16 (1824)	6-8 7/8 (2054) 5-11 51/64 (1824)
	UDHPRTG2 4070	UDHPRTG2 4870	UDHPRTG2 5270	UDHPRTG2 6070	UDHPRTG2 6870
RO (mm)					
RO Spln. (mm)					

Double Hung Picture Round Top G2

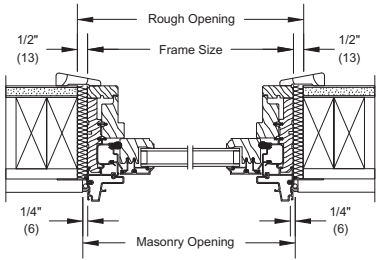
RT6 Picture Eyebrow Above Springline

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)
	6-9 47/64 (2076) 6-3 25/32 (1925)	7-0 31/64 (2146) 6-3 3/4 (1924)	6-11 1/64 (2109) 6-3 51/64 (1925)	6-10 27/32 (2104) 6-3 13/16 (1926)	7-0 7/8 (2516) 6-3 51/64 (1925)
	UDHPRTG2 4074	UDHPRTG2 4874	UDHPRTG2 5274	UDHPRTG2 6074	UDHPRTG2 6874
	7-1 47/64 (2177) 6-7 25/32 (2026)	7-4 31/64 (2247) 6-7 3/4 (2025)	7-3 1/64 (2210) 6-7 51/64 (2027)	7-2 27/32 (2206) 6-7 13/16 (2027)	7-4 7/8 (2257) 6-7 51/64 (2027)
	UDHPRTG2 4078	UDHPRTG2 4878	UDHPRTG2 5278	UDHPRTG2 6078	UDHPRTG2 6878
	7-9 47/64 (2381) 7-3 25/32 (2230)	8-0 31/64 (2451) 7-3 3/4 (2229)	7-11 1/64 (2414) 7-3 51/64 (2230)	7-10 27/32 (2409) 7-3 13/16 (2231)	7-11 1/64 (2451) 7-3 51/64 (2231)
	UDHPRTG2 4086	UDHPRTG2 4886	UDHPRTG2 5286	UDHPRTG2 6086	UDHPRTG2 6886
	8-1 47/64 (2482) 7-7 25/32 (2331)	8-4 31/64 (2552) 7-7 3/4 (2330)	8-3 1/64 (2515) 7-7 51/64 (2331)	8-2 27/32 (2510) 7-7 13/16 (2332)	8-4 31/64 (2552) 7-7 51/64 (2332)
	UDHPRTG2 4090	UDHPRTG2 4890	UDHPRTG2 5290	UDHPRTG2 6090	UDHPRTG2 6890
RO (mm)					
RO Spln. (mm)					

Construction Details



HEAD JAMB AND SILL - PICTURE



JAMB - PICTURE

ULTIMATE DOUBLE HUNG PICTURE ROUND TOP G2: UDHPRTG2

Single Hung Round Top G2

RT21 And RT22 Standard Sizes Operators

RO (mm)	1-10 1/4 (565)	2-2 1/4 (667)	2-6 1/4 (768)	2-8 1/4 (819)	2-10 1/4 (870)	3-0 1/4 (921)
RO Rad. (mm)	3-4 1/2 (1029)	3-4 1/2 (1029)	4-6 1/2 (1384)	6-0 1/2 (1842)	6-0 1/2 (1842)	6-0 1/2 (1842)
						
RO Spln. (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)
						
RO Spln. (mm)	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 (1086) 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)
						
RO Spln. (mm)	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)
						
RO Spln. (mm)	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 (1289) 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)
						
RO Spln. (mm)	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)
						
RO Spln. (mm)	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)
						
RO Spln. (mm)	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)
						
RO Spln. (mm)	5-6 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)
						
RO Spln. (mm)	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 Spln. (mm)	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 Spln. (mm)	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 Spln. (mm)	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 Spln. (mm)	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 Spln. (mm)	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 Spln. (mm)	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 Spln. (mm)	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 Spln. (mm)	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 Spln. (mm)	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 Spln. (mm)	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 Spln. (mm)	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 Spln. (mm)	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 Spln. (mm)	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 Spln. (mm)	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 Spln. (mm)	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 Spln. (mm)	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 Spln. (mm)	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 Spln. (mm)	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 Spln. (mm)	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)

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)
						
	USHRTG2 1630	USHRTG2 2030	USHRTG2 2430	USHRTG2 2630	USHRTG2 2830 E	USHRTG2 3030 E
						
	USHRTG2 1632	USHRTG2 2032	USHRTG2 2432	USHRTG2 2632 E	USHRTG2 2832 E	USHRTG2 3032 E
						
	USHRTG2 1634	USHRTG2 2034	USHRTG2 2434 E	USHRTG2 2634 E	USHRTG2 2834 E	USHRTG2 3034 E
						
	USHRTG2 1636	USHRTG2 2036	USHRTG2 2436 E	USHRTG2 2636 E	USHRTG2 2836 E	USHRTG2 3036 E
						
	USHRTG2 1640	USHRTG2 2040 E	USHRTG2 2440 E	USHRTG2 2640 E	USHRTG2 2840 E	USHRTG2 3040 E
						
	USHRTG2 1642	USHRTG2 2042 E	USHRTG2 2442 E	USHRTG2 2642 E	USHRTG2 2842 E	USHRTG2 3042 E
						
	USHRTG2 1650	USHRTG2 2050 E	USHRTG2 2450 E	USHRTG2 2650 E	USHRTG2 2850 E	USHRTG2 3050 E
RO (mm)	9-6 7/64 (2898)	9-8 63/64 (2971)	7-7 49/64 (2931)	9-7 9/64 (2924)	9-8 9/64 (2950)	9-10 25/64 (3007)
RO Spln. (mm)	8-11 25/32 (2737)	8-11 47/64 (2737)	8-11 49/64 (2737)	8-11 13/16 (2738)	8-11 51/64 (2738)	8-11 25/32 (2738)
						
	USHRTG2 1630	USHRTG2 2030	USHRTG2 2430	USHRTG2 2630	USHRTG2 2830 E	USHRTG2 3030 E
						
	USHRTG2 1632	USHRTG2 2032	USHRTG2 2432	USHRTG2 2632 E	USHRTG2 2832 E	USHRTG2 3032 E
						
	USHRTG2 1634	USHRTG2 2034	USHRTG2 2434 E	USHRTG2 2634 E	USHRTG2 2834 E	USHRTG2 3034 E
	USHRTG2 1636	USHRTG2 2036	USHRTG2 2436 E	USHRTG2 2636 E	USHRTG2 2836 E	USHRTG2 3036 E
	USHRTG2 1640	USHRTG2 2040 E	USHRTG2 2440 E	USHRTG2 2640 E	USHRTG2 2840 E	USHRTG2 3040 E
	USHRTG2 1642	USHRTG2 2042 E	USHRTG2 2442 E	USHRTG2 2642 E	USHRTG2 2842 E	USHRTG2 3042 E
	USHRTG2 1650	USHRTG2 2050 E	USHRTG2 2450 E	USHRTG2 2650 E	USHRTG2 2850 E	USHRTG2 3050 E
RO (mm)	8-2 7/64 (2492)	8-4 63/64 (2565)	8-0 39/64 (2551)	7-3 9/64 (2213)	7-4 9/64 (2239)	7-5 7/32 (2266)
RO Spln. (mm)	7-7 25/32 (2331)	7-7 47/64 (2330)	7-7 49/64 (2331)	7-3 13/16 (2332)	7-3 51/64 (2332)	7-3 51/64 (2332)
	USHRTG2 1642	USHRTG2 2042 E	USHRTG2 2442 E	USHRTG2 2642 E	USHRTG2 2842 E	USHRTG2 3042 E
	USHRTG2 1644	USHRTG2 2044 E	USHRTG2 2444 E	USHRTG2 2644 E	USHRTG2 2844 E	USHRTG2 3044 E
	USHRTG2 1646	USHRTG2 2046 E	USHRTG2 2446 E	USHRTG2 2646 E	USHRTG2 2846 E	USHRTG2 3046 E
	USHRTG2 1648	USHRTG2 2048 E	USHRTG2 2448 E	USHRTG2 2648 E	USHRTG2 2848 E	USHRTG2 3048 E
	USHRTG2 1650	USHRTG2 2050 E	USHRTG2 2450 E	USHRTG2 2650 E	USHRTG2 2850 E	USHRTG2 3050 E
RO (mm)	7-2 7/64 (2187)	7-4 63/64 (2260)	7-0 39/64 (2148)	6-11 9/64 (2112)	7-0 9/64 (2137)	7-1 7/32 (2165)
RO Spln. (mm)	6-7 25/32 (2026)	6-7 47/64 (2025)	6-7 49/64 (2026)	6-3 13/16 (2027)	6-3 51/64 (2027)	6-3 51/64 (2027)
	USHRTG2 1636	USHRTG2 2036	USHRTG2 2436 E	USHRTG2 2636 E	USHRTG2 2836 E	USHRTG2 3036 E
	USHRTG2 1638	USHRTG2 2038	USHRTG2 2438 E	USHRTG2 2638 E	USHRTG2 2838 E	USHRTG2 3038 E
	USHRTG2 1640	USHRTG2 2040 E	USHRTG2 2440 E	USHRTG2 2640 E	USHRTG2 2840 E	USHRTG2 3040 E
	USHRTG2 1642	USHRTG2 2042 E	USHRTG2 2442 E	USHRTG2 2642 E	USHRTG2 2842 E	USHRTG2 3042 E
	USHRTG2 1644	USHRTG2 2044 E	USHRTG2 2444 E	USHRTG2 2644 E	USHRTG2 2844 E	USHRTG2 3044 E
	USHRTG2 1646	USHRTG2 2046 E	USHRTG2 2446 E	USHRTG2 2646 E	USHRTG2 2846 E	USHRTG2 3046 E
	USHRTG2 1648	USHRTG2 2048 E	USHRTG2 2448 E	USHRTG2 2648 E	USHRTG2 2848 E	USHRTG2 3048 E
	USHRTG2 1650	USHRTG2 2050 E	USHRTG2 2450 E	USHRTG2 2650 E	USHRTG2 2850 E	USHRTG2 3050 E
RO (mm)	6-2 7/64 (1882)	6-4 63/64 (1955)	6-4 39/64 (1946)	6-3 9/64 (1908)	6-4 9/64 (1934)	6-5 7/32 (1961)
RO Spln. (mm)	5-7 25/32 (1721)	5-7 47/64 (1721)	5-7 49/64 (1721)	5-7 13/16 (1722)	5-7 51/64 (1722)	5-7 51/64 (1722)
	USHRTG2 1630	USHRTG2 2030	USHRTG2 2430	USHRTG2 2630	USHRTG2 2830 E	USHRTG2 3030 E
	USHRTG2 1632	USHRTG2 2032	USHRTG2 2432	USHRTG2 2632 E	USHRTG2 2832 E	USHRTG2 3032 E
	USHRTG2 1634	USHRTG2 2034	USHRTG2 2434 E	USHRTG2 2634 E	USHRTG2 2834 E	USHRTG2 3034 E
	USHRTG2 1636	USHRTG2 2036	USHRTG2 2436 E	USHRTG2 2636 E	USHRTG2 2836 E	USHRTG2 3036 E
	USHRTG2 1638	USHRTG2 2038	USHRTG2 2438 E	USHRTG2 2638 E	USHRTG2 2838 E	USHRTG2 3038 E
	USHRTG2 1640	USHRTG2 2040 E	USHRTG2 2440 E	USHRTG2 2640 E	USHRTG2 2840 E	USHRTG2 3040 E
	USHRTG2 1642	USHRTG2 2042 E	USHRTG2 2442 E	USHRTG2 2642 E	USHRTG2 2842 E	USHRTG2 3042 E
	USHRTG2 1644	USHRTG2 2044 E	USHRTG2 2444 E	USHRTG2 2644 E	USHRTG2 2844 E	USHRTG2 3044 E
	USHRTG2 1646	USHRTG2 2046 E	USHRTG2 2446 E	USHRTG2 2646 E	USHRTG2 2846 E	USHRTG2 3046 E
	USHRTG2 1648	USHRTG2 2048 E	USHRTG2 2448 E	USHRTG2 2648 E	USHRTG2 2848 E	USHRTG2 3048 E
	USHRTG2 1650	USHRTG2 2				

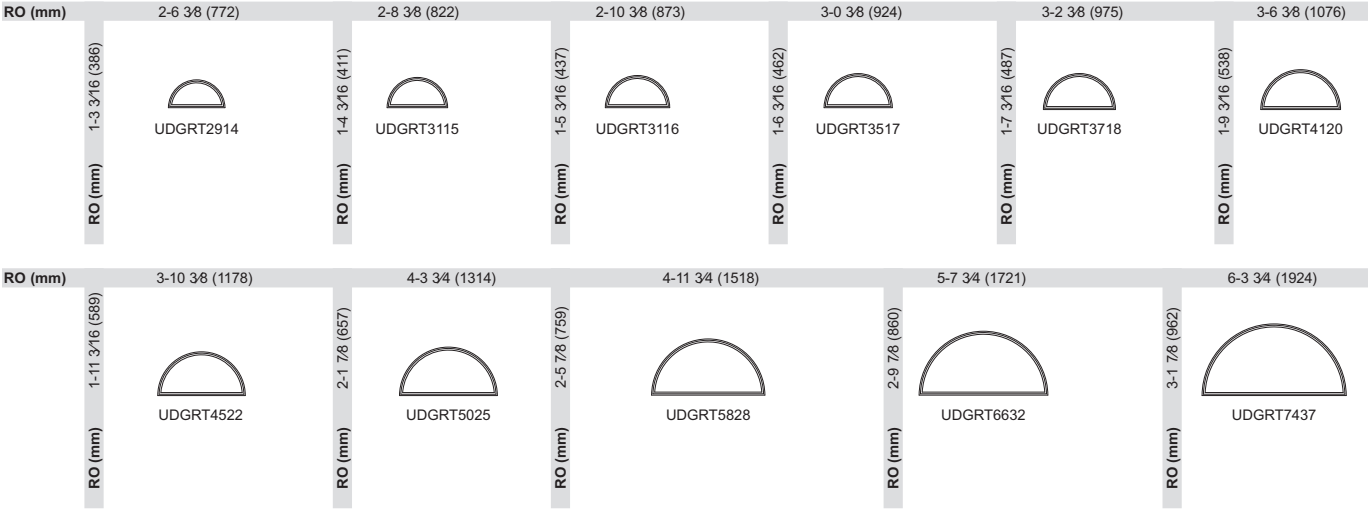
Direct Glaze Round Top - Double Hung

RT6 Eyebrow Above Springline Standard Sizes - Direct Glaze

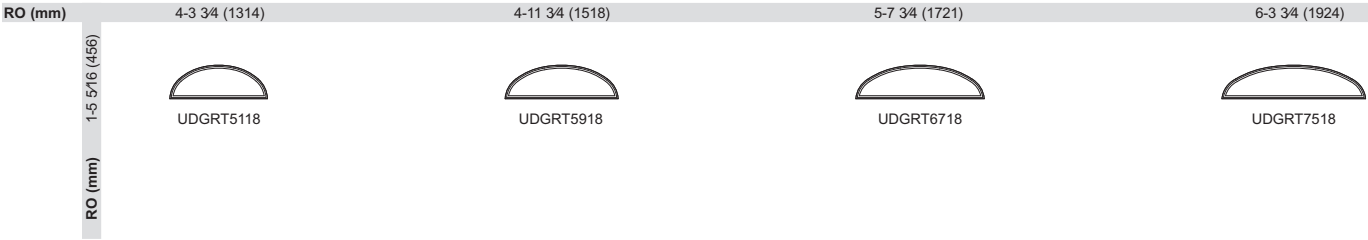
RO (mm)	2-2 3/8 (670)	2-6 3/8 (772)	2-8 3/8 (822)	2-10 3/8 (873)	3-0 3/8 (924)	3-2 3/8 (975)	3-6 3/8 (1076)
RO Rad. (mm)	2-0 1/2 (622)	2-0 1/2 (622)	2-6 1/2 (775)	2-6 1/2 (775)	2-6 1/2 (775)	3-4 1/2 (1029)	3-4 1/2 (1029)
RO (mm) RO Spln. (mm)	1-0 1/2 (318) 0-8 5/8 (219)						
	UDGRT 2511						
	UDGRT2519						
	UDGRT 2523						
RO Spln. (mm)	1-6 1/2 (470) 1-2 5/8 (371)						
	UDGRT2519						
	UDGRT 2523						
	UDGRT 2535						
RO Spln. (mm)	2-0 1/2 (622) 1-8 5/8 (524)						
	UDGRT 2523						
	UDGRT 2535						
	UDGRT 2547						
RO Spln. (mm)	2-2 3/8 (670) 0-7 7/32 (183)						
	UDGRT 2511						
	UDGRT2519						
	UDGRT 2523						
RO Spln. (mm)	1-6 1/2 (470) 1-2 5/8 (371)						
	UDGRT2519						
	UDGRT 2523						
	UDGRT 2535						
RO Spln. (mm)	2-0 1/2 (622) 1-8 5/8 (524)						
	UDGRT 2523						
	UDGRT 2535						
	UDGRT 2547						
RO Spln. (mm)	2-2 3/8 (670) 0-7 7/32 (183)						
	UDGRT 2511						
	UDGRT2519						
	UDGRT 2523						
RO Spln. (mm)	1-6 1/2 (470) 1-2 5/8 (371)						
	UDGRT2519						
	UDGRT 2523						
	UDGRT 2535						
RO Spln. (mm)	2-0 1/2 (622) 1-8 5/8 (524)						
	UDGRT 2523						
	UDGRT 2535						
	UDGRT 2547						
RO Spln. (mm)	2-2 3/8 (670) 0-7 7/32 (183)						
	UDGRT 2511						
	UDGRT2519						
	UDGRT 2523						
RO Spln. (mm)	1-6 1/2 (470) 1-2 5/8 (371)						
	UDGRT2519						
	UDGRT 2523						
	UDGRT 2535						
RO Spln. (mm)	2-0 1/2 (622) 1-8 5/8 (524)						
	UDGRT 2523						
	UDGRT 2535						
	UDGRT 2547						
RO Spln. (mm)	2-2 3/8 (670) 0-7 7/32 (183)						
	UDGRT 2511						
	UDGRT2519						
	UDGRT 2523						
RO Spln. (mm)	1-6 1/2 (470) 1-2 5/8 (371)						
	UDGRT2519						
	UDGRT 2523						
	UDGRT 2535						
RO Spln. (mm)	2-0 1/2 (622) 1-8 5/8 (524)						
	UDGRT 2523						
	UDGRT 2535						
	UDGRT 2547						
RO Spln. (mm)	2-2 3/8 (670) 0-7 7/32 (183)						
	UDGRT 2511						
	UDGRT2519						
	UDGRT 2523						
RO Spln. (mm)	1-6 1/2 (470) 1-2 5/8 (371)						
	UDGRT2519						
	UDGRT 2523						
	UDGRT 2535						
RO Spln. (mm)	2-0 1/2 (622) 1-8 5/8 (524)						
	UDGRT 2523						
	UDGRT 2535						
	UDGRT 2547						
RO Spln. (mm)	2-2 3/8 (670) 0-7 7/32 (183)						
	UDGRT 2511						
	UDGRT2519						
	UDGRT 2523						
RO Spln. (mm)	1-6 1/2 (470) 1-2 5/8 (371)						
	UDGRT2519						
	UDGRT 2523						
	UDGRT 2535						
RO Spln. (mm)	2-0 1/2 (622) 1-8 5/8 (524)						
	UDGRT 2523						
	UDGRT 2535						
	UDGRT 2547						
RO Spln. (mm)	2-2 3/8 (670) 0-7 7/32 (183)						
	UDGRT 2511						
	UDGRT2519						
	UDGRT 2523						
RO Spln. (mm)	1-6 1/2 (470) 1-2 5/8 (371)						
	UDGRT2519						
	UDGRT 2523						
	UDGRT 2535						
RO Spln. (mm)	2-0 1/2 (622) 1-8 5/8 (524)						
	UDGRT 2523						
	UDGRT 2535						
	UDGRT 2547						
RO Spln. (mm)	2-2 3/8 (670) 0-7 7/32 (183)						
	UDGRT 2511						
	UDGRT2519						
	UDGRT 2523						
RO Spln. (mm)	1-6 1/2 (470) 1-2 5/8 (371)						
	UDGRT2519						
	UDGRT 2523						
	UDGRT 2535						
RO Spln. (mm)	2-0 1/2 (622) 1-8 5/8 (524)						
	UDGRT 2523						
	UDGRT 2535						
	UDGRT 2547						
RO Spln. (mm)	2-2 3/8 (670) 0-7 7/32 (183)						
	UDGRT 2511						
	UDGRT2519						
	UDGRT 2523						
RO Spln. (mm)	1-6 1/2 (470) 1-2 5/8 (371)						
	UDGRT2519						
	UDGRT 2523						
	UDGRT 2535						
RO Spln. (mm)	2-0 1/2 (622) 1-8 5/8 (524)						
	UDGRT 2523						
	UDGRT 2535						
	UDGRT 2547						
RO Spln. (mm)	2-2 3/8 (670) 0-7 7/32 (183)						
	UDGRT 2511						
	UDGRT2519						
	UDGRT 2523						
RO Spln. (mm)	1-6 1/2 (470) 1-2 5/8 (371)						
	UDGRT2519						
	UDGRT 2523						
	UDGRT 2535						
RO Spln. (mm)	2-0 1/2 (622) 1-8 5/8 (524)						
	UDGRT 2523						
	UDGRT 2535						
	UDGRT 2547						
RO Spln. (mm)	2-2 3/8 (670) 0-7 7/32 (183)						
	UDGRT 2511						
	UDGRT2519						
	UDGRT 2523						
RO Spln. (mm)	1-6 1/2 (470) 1-2 5/8 (371)						
	UDGRT2519						
	UDGRT 2523						
	UDGRT 2535						
RO Spln. (mm)	2-0 1/2 (622) 1-8 5/8 (524)						
	UDGRT 2523						
	UDGRT 2535						
	UDGRT 2547						
RO Spln. (mm)	2-2 3/8 (670) 0-7 7/32 (183)						
	UDGRT 2511						
	UDGRT2519						
	UDGRT 2523						
RO Spln. (mm)	1-6 1/2 (470) 1-2 5/8 (371)						
	UDGRT2519						
	UDGRT 2523						
	UDGRT 2535						
RO Spln. (mm)	2-0 1/2 (622) 1-8 5/8 (524)						
	UDGRT 2523						
	UDGRT 2535						
	UDGRT 2547						
RO Spln. (mm)	2-2 3/8 (670) 0-7 7/32 (183)						
	UDGRT 2511						
	UDGRT2519						
	UDGRT 2523						
RO Spln. (mm)	1-6 1/2 (470) 1-2 5/8 (371)						
	UDGRT2519						
	UDGRT 2523						
	UDGRT 2535						
RO Spln. (mm)	2-0 1/2 (622) 1-8 5/8 (524)						
	UDGRT 2523						
	UDGRT 2535						
	UDGRT 2547						
RO Spln. (mm)	2-2 3/8 (670) 0-7 7/32 (183)						
	UDGRT 2511						
	UDGRT2519						
	UDGRT 2523						
RO Spln. (mm)	1-6 1/2 (470) 1-2 5/8 (371)						
	UDGRT2519						
	UDGRT 2523						
	UDGRT 2535						
RO Spln. (mm)	2-0 1/2 (622) 1-8 5/8 (524)						
	UDGRT 2523						
	UDGRT 2535						
	UDGRT 2547						
RO Spln. (mm)	2-2 3/8 (670) 0-7 7/32 (183)						
	UDGRT 2511						
	UDGRT2519						
	UDGRT 2523						
RO Spln. (mm)	1-6 1/2 (470) 1-2 5/8 (371)						
	UDGRT2519						
	UDGRT 2523						
	UDGRT						

Direct Glaze Round Top - Double Hung

RT1 True Half Circle Standard Sizes - Direct Glaze

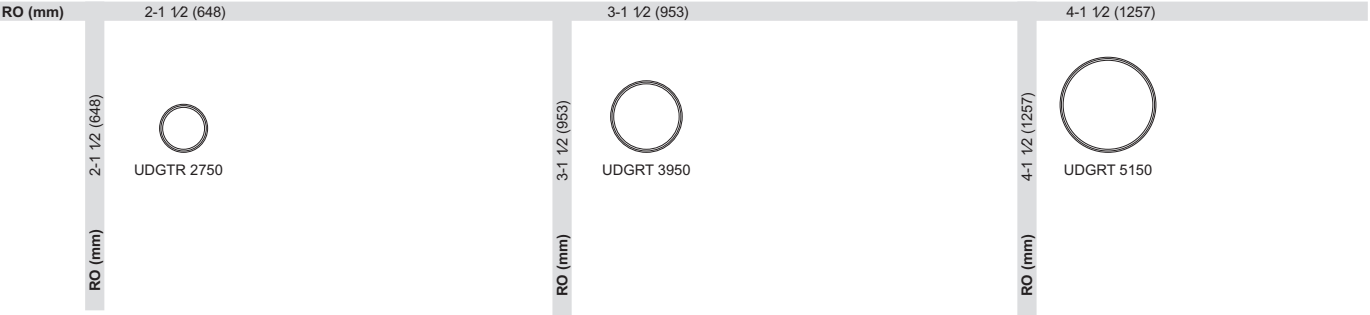


RT29 Elliptical Standard Sizes - Direct Glaze

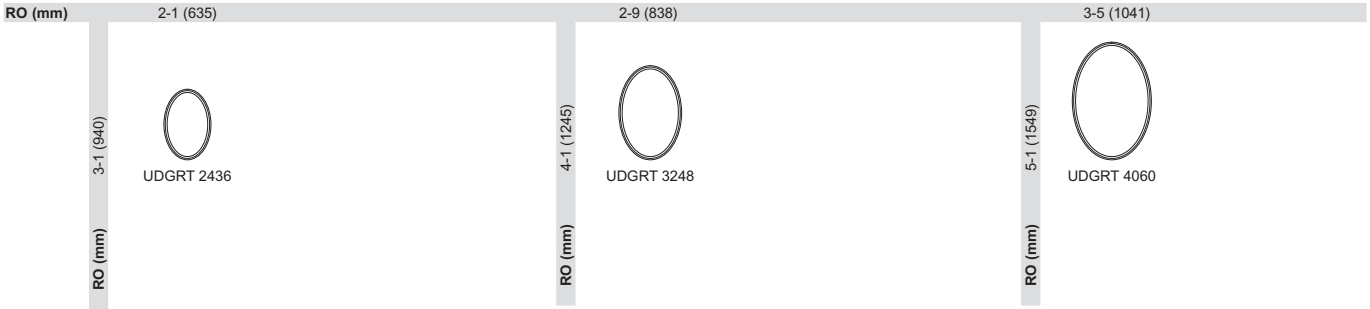


Direct Glaze Round Top - Double Hung

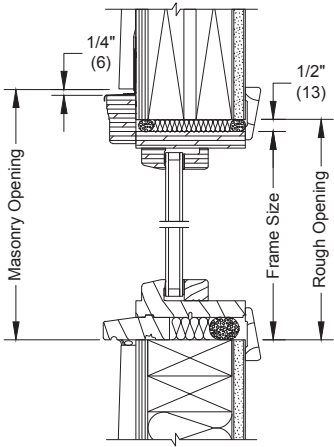
RT27 Full Circle Standard Sizes - Direct Glaze



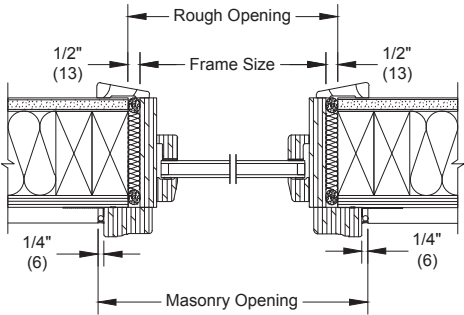
RT28 Full Ellipse Standard Sizes - Direct Glaze



Construction Details



HEAD JAMB AND SILL - DIRECT GLAZE



JAMB - DIRECT GLAZE

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

Double Hung Insert G2

Measurement Instructions

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

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

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

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

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

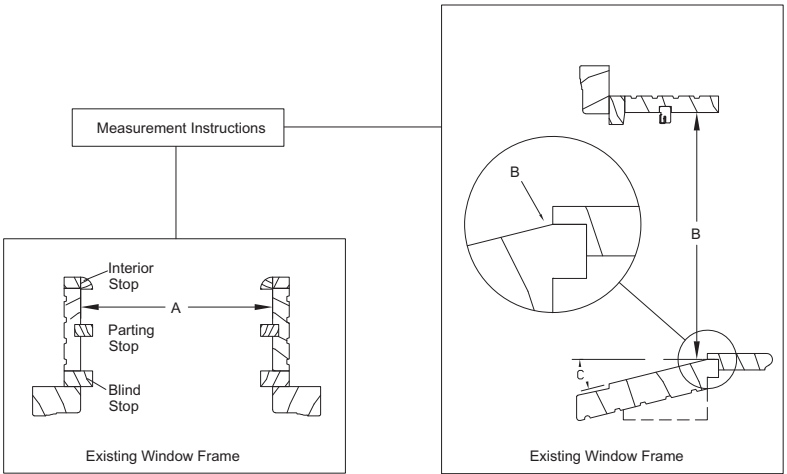


ILLUSTRATION 1

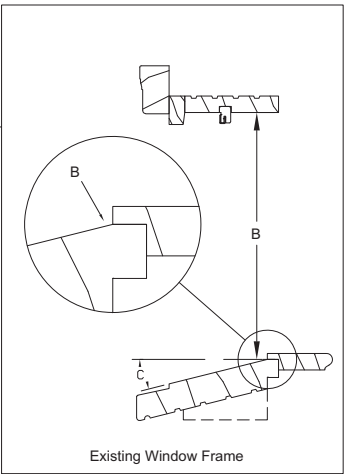
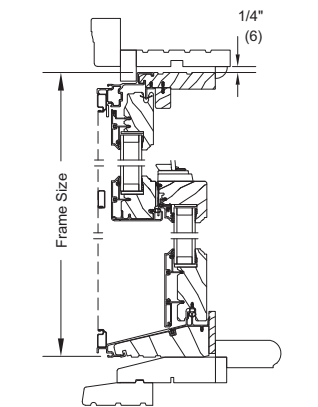
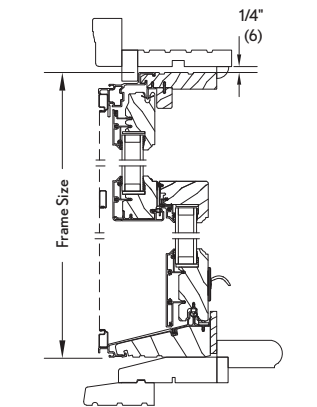


ILLUSTRATION 2

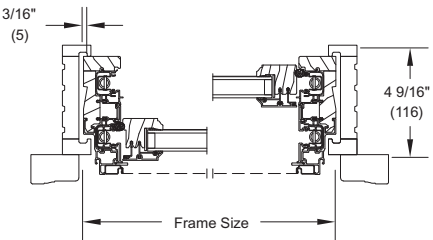
Construction Details



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



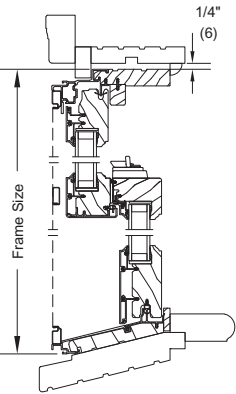
HEAD JAMB, CHECKRAIL, WITH FLAT FRAME INSTALLED IN EXISTING FRAME SHOWN WITH LIFT LOCK



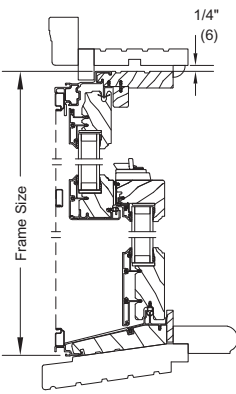
JAMB INSTALLED IN EXISTING FRAME

Double Hung Insert G2

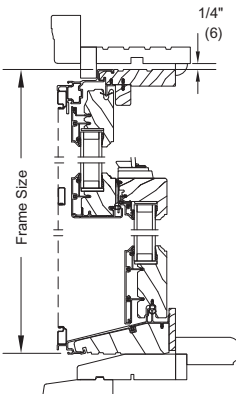
Construction Details



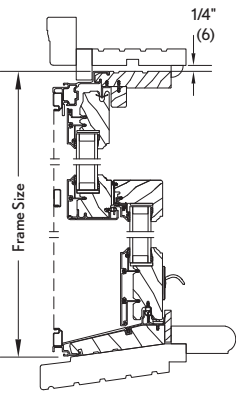
HEAD JAMB, CHECKRAIL, WITH 14° BEVELED FRAME INSTALLED IN EXISTING FRAME



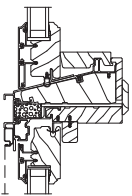
HEAD JAMB, CHECKRAIL, WITH 8° BEVELED FRAME INSTALLED IN EXISTING FRAME



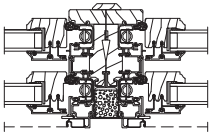
HEAD JAMB, CHECKRAIL, WITH FLAT FRAME INSTALLED IN EXISTING FRAME



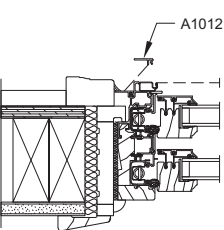
HEAD JAMB, CHECKRAIL, WITH 8° BEVELED FRAME INSTALLED IN EXISTING FRAME SHOWN WITH LIFT LOCK



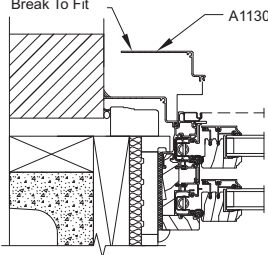
HORIZONTAL MULLION TRANSOM/OPERATOR



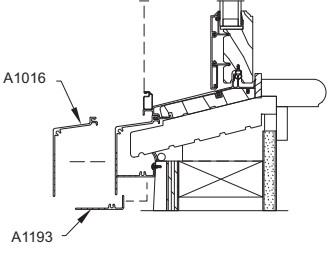
VERTICAL MULLION OPERATOR



FRAME EXPANDER



PANNING (MASONRY SHOW)



SILL PANNING

Details and Elevations not to scale.

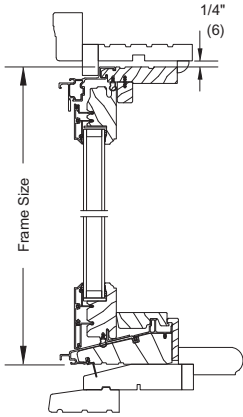
- Ultimate Double Hung Insert G2 Windows are manufactured to your specifications. For additional information, contact your local Marvin representative.

Please consult your local Marvin representative for more information.

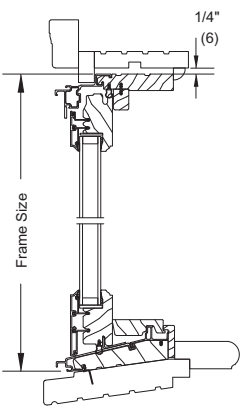
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

Double Hung Insert Transom / Picture G2

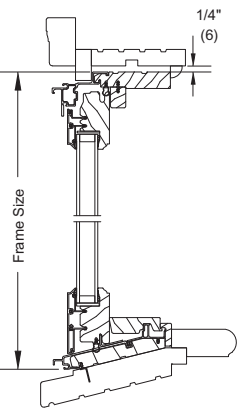
Construction Details



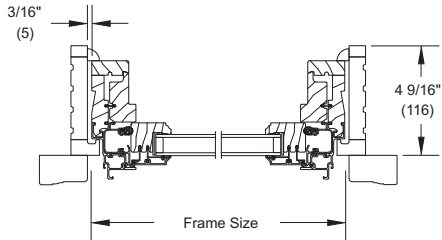
TRANSOM HEAD JAMB
WITH FLAT FRAME
INSTALLED IN EXISTING
FRAME



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

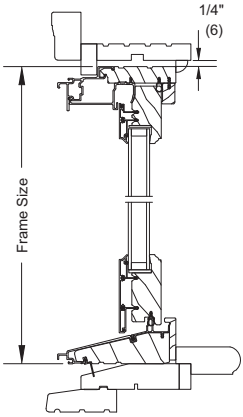


TRANSOM HEAD JAMB
WITH 14° BEVELED FRAME
INSTALLED IN EXISTING
FRAME

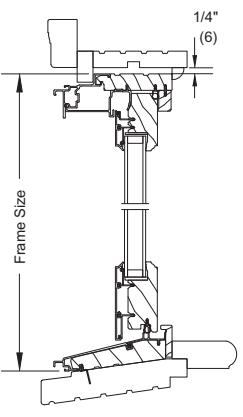


TRANSOM JAMB
INSTALLED IN EXISTING FRAME

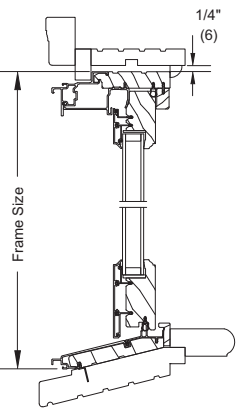
Construction Details - Picture



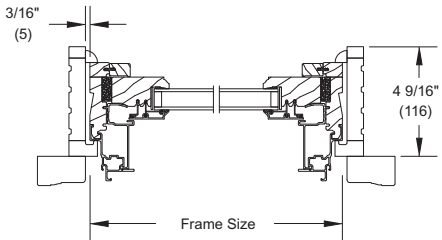
PICTURE HEAD JAMB
WITH FLAT FRAME
INSTALLED IN EXISTING
FRAME



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



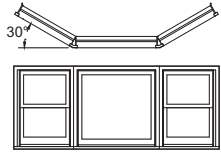
PICTURE HEAD JAMB
WITH 14° BEVELED FRAME
INSTALLED IN EXISTING
FRAME



PICTURE JAMB
INSTALLED IN EXISTING FRAME

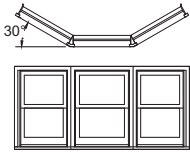
Wood Double Hung Bay

30° Ultimate Wood Double Hung Bay with Picture Center Unit



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

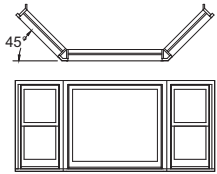
30° Ultimate Wood Double Hung Bay with Operator Center Unit



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

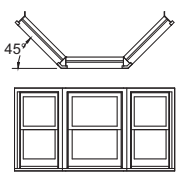
Wood Double Hung Bay

45° Ultimate Wood Double Hung Bay with Picture Center Unit



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

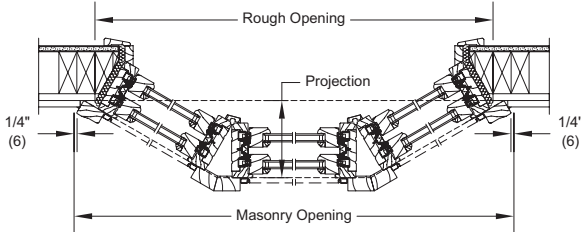
45° Ultimate Wood Double Hung Bay with Operator Center Unit



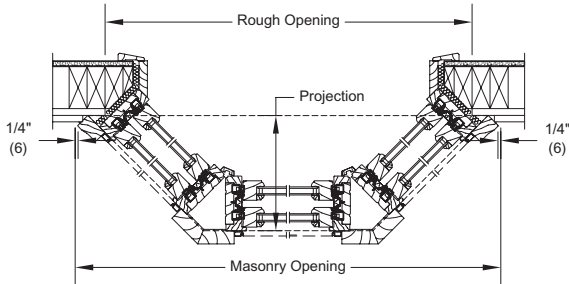
UNIT NO. (WIDTH)	ROUGH OPENING (WIDTH)	PROJECTION
16-16-16	4-9 3/16 (1453)	17 3/8" (441)
16-20-16	5-1 3/16 (1554)	17 3/8" (441)
16-24-16	5-5 3/16 (1656)	17 3/8" (441)
16-26-16	5-7 3/16 (1707)	17 3/8" (441)
16-28-16	5-9 3/16 (1758)	17 3/8" (441)
16-30-16	5-11 3/16 (1808)	17 3/8" (441)
16-32-16	6-1 3/16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

Wood Double Hung Bay

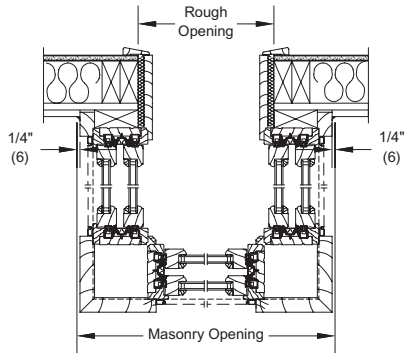
Construction Details



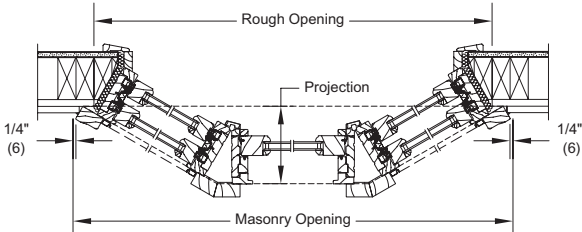
30° ULTIMATE WOOD DOUBLE HUNG BAY JAMB WITH OPERATOR CENTER UNIT



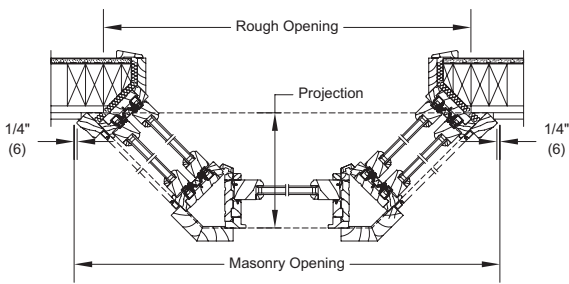
45° ULTIMATE WOOD DOUBLE HUNG BAY JAMB WITH OPERATOR CENTER UNIT



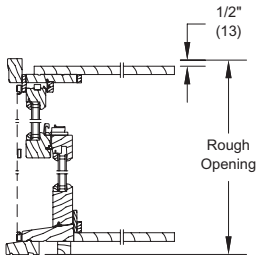
90° ULTIMATE WOOD DOUBLE HUNG BAY JAMB WITH OPERATOR CENTER UNIT



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



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



ULTIMATE WOOD DOUBLE HUNG BAY HEAD JAMB AND SILL

90° Ultimate Double Hung Bay Formula

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

TO CALCULATE ROUGH OPENING
OM of Center Unit(s) (width) PLUS 1 5/16" (41) = ROUGH OPENING width

60° Ultimate Double Hung Bay Formula

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

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

Rough Opening Heights

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

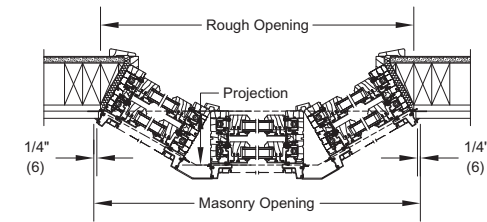
Details and Elevations not to scale.

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

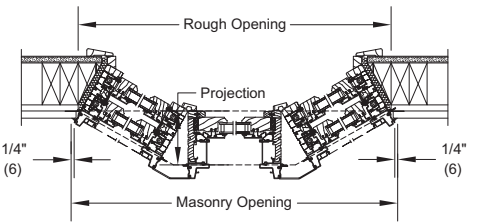
Please consult your local Marvin representative for more information.
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

Double Hung Bay G2

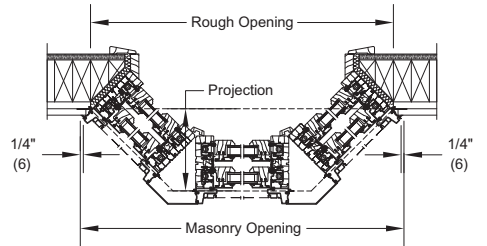
Construction Details



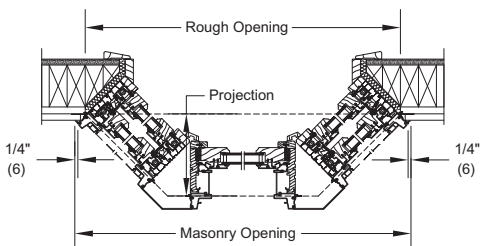
30° ULTIMATE DOUBLE HUNG G2 BAY
JAMB DETAIL WITH OPERATOR CENTER UNIT



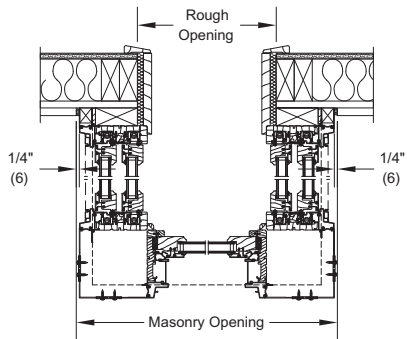
30° ULTIMATE DOUBLE HUNG G2 BAY
JAMB DETAIL WITH PICTURE CENTER UNIT



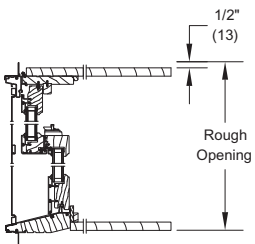
45° ULTIMATE DOUBLE HUNG G2 BAY
JAMB DETAIL WITH OPERATOR CENTER UNIT



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



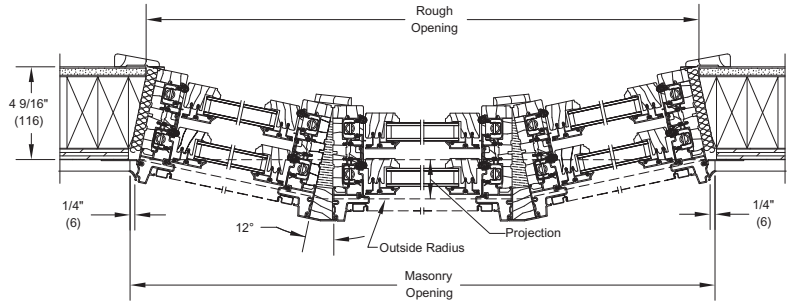
90° ULTIMATE DOUBLE HUNG G2 BAY
JAMB DETAIL WITH PICTURE CENTER UNIT



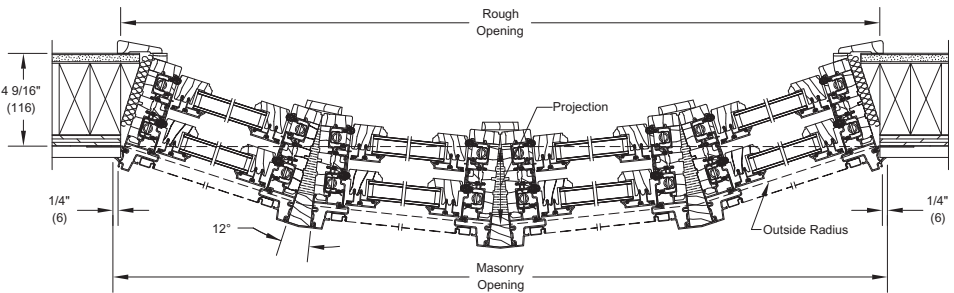
ULTIMATE DOUBLE HUNG G2 BAY
HEAD JAMB AND SILL DETAIL

Double Hung Bow G2

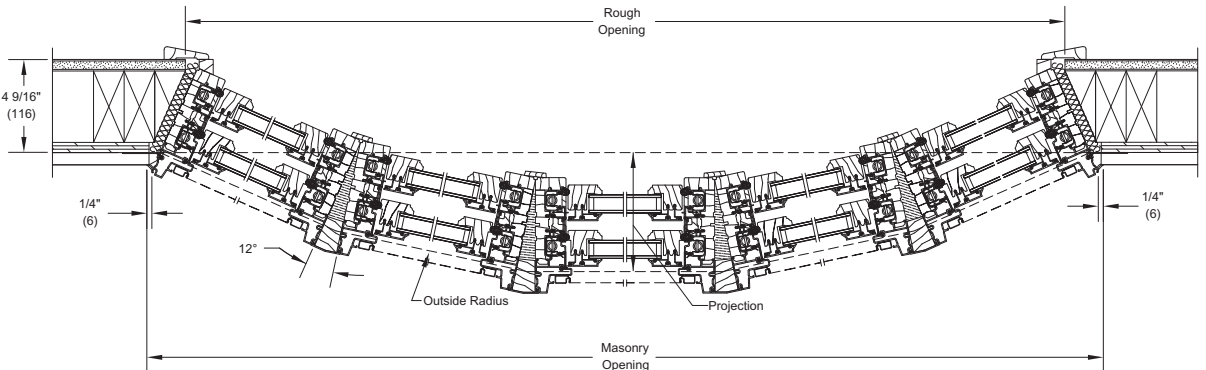
Construction Details



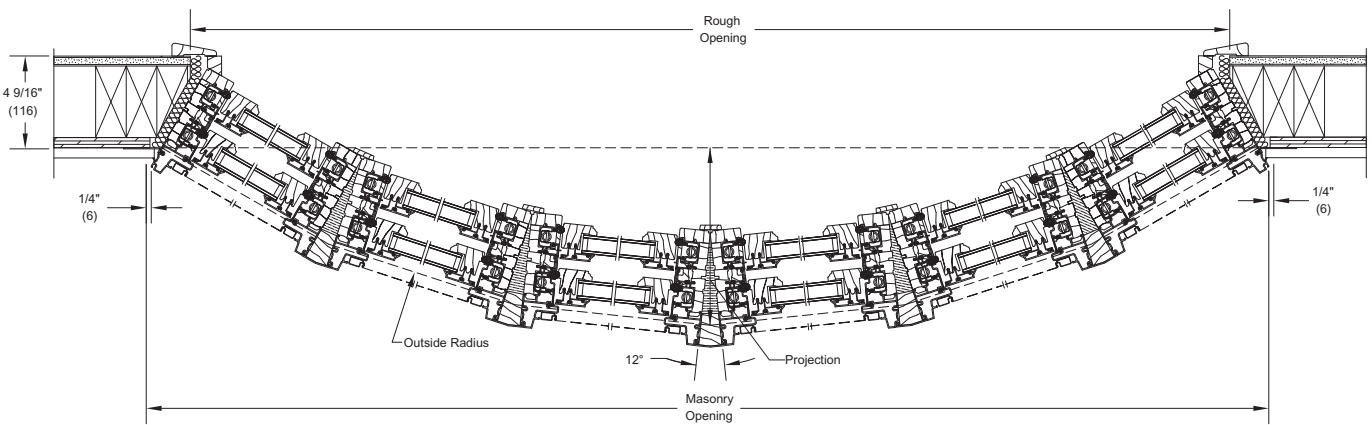
JAMB DETAIL - 3 WIDE



JAMB DETAIL - 4 WIDE



JAMB DETAIL - 5 WIDE



JAMB DETAIL - 6 WIDE

Wood Casement / Wood Casement Push Out

MO (mm)	1 - 7 5/8 (498)	1 - 9 5/8 (549)	1 - 11 5/8 (600)	2 - 3 5/8 (702)	2 - 5 5/8 (752)	2 - 7 5/8 (803)	2 - 9 5/8 (854)	2 - 11 5/8 (905)	3 - 3 5/8 (1006)	3 - 7 5/8 (1108)
RO (mm)	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (685)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)	3 - 1 (939)	3 - 5 (1041)
FS (mm)	1 - 4 (406)	1 - 6 (457)	1 - 8 (508)	2 - 0 (609)	2 - 2 (660)	2 - 4 (711)	2 - 6 (762)	2 - 8 (812)	3 - 0 (914)	3 - 4 (1016)
DLO (mm)	0 - 10 3/16 (259)	1 - 0 3/16 (310)	1 - 2 3/16 (360)	1 - 6 3/16 (462)	1 - 8 3/16 (513)	1 - 10 3/16 (564)	2 - 0 3/16 (614)	2 - 2 3/16 (665)	2 - 6 3/16 (767)	2 - 10 3/16 (868)
1 - 3 7/8 (403) 1 - 2 9/16 (370) 1 - 2 1/16 (357) 0 - 7 21/64 (186)	 UWCA1614	 UWCA1814	 UWCA2014	 UWCA2414	 UWCA2614	 UWCA2814	 UWCA3014	 UWCA3214	 UWCA3614	 UWCA4014
1 - 5 7/8 (454) 1 - 4 9/16 (421) 1 - 4 1/16 (408) 0 - 9 21/64 (237)	 UWCA1616 UWCAPO1616	 UWCA1816 UWCAPO1816	 UWCA2016 UWCAPO2016	 UWCA2416 UWCAPO2416	 UWCA2616 UWCAPO2616	 UWCA2816 UWCAPO2816	 UWCA3016 UWCAPO3016	 UWCA3216 UWCAPO3216	 UWCA3616 UWCAPO3616	 UWCA4016 UWCAPO4016
1 - 7 7/8 (505) 1 - 6 9/16 (472) 1 - 6 1/16 (459) 0 - 11 21/64 (288)	 UWCA1618 UWCAPO1618	 UWCA1818 UWCAPO1818	 UWCA2018 UWCAPO2018	 UWCA2418 UWCAPO2418	 UWCA2618 UWCAPO2618	 UWCA2818 UWCAPO2818	 UWCA3018 UWCAPO3018	 UWCA3218 UWCAPO3218	 UWCA3618 UWCAPO3618	 UWCA4018 UWCAPO4018
1 - 9 7/8 (556) 1 - 8 9/16 (522) 1 - 8 1/16 (510) 1 - 1 21/64 (339)	 UWCA1620 UWCAPO1620	 UWCA1820 UWCAPO1820	 UWCA2020 UWCAPO2020	 UWCA2420 UWCAPO2420	 UWCA2620 UWCAPO2620	 UWCA2820 UWCAPO2820	 UWCA3020 UWCAPO3020	 UWCA3220 UWCAPO3220	 UWCA3620 UWCAPO3620	 UWCA4020 UWCAPO4020
2 - 1 7/8 (657) 2 - 9/16 (624) 2 - 1/16 (611) 1 - 5 21/64 (440)	 UWCA1624 UWCAPO1624	 UWCA1824 UWCAPO1824	 UWCA2024 UWCAPO2024	 UWCA2424 UWCAPO2424	 UWCA2624 UWCAPO2624	 UWCA2824 UWCAPO2824	 UWCA3024 UWCAPO3024	 UWCA3224 UWCAPO3224	 UWCA3624 UWCAPO3624	 UWCA4024 UWCAPO4024
2 - 5 7/8 (759) 2 - 4 9/16 (725) 2 - 4 1/16 (713) 1 - 9 21/64 (542)	 UWCA1628 UWCAPO1628	 UWCA1828 UWCAPO1828	 UWCA2028 UWCAPO2028	 UWCA2428 UWCAPO2428	 UWCA2628 UWCAPO2628	 UWCA2828 UWCAPO2828	 UWCA3028 UWCAPO3028	 UWCA3228 UWCAPO3228	 UWCA3628 UWCAPO3628	 UWCA4028 UWCAPO4028
2 - 9 7/8 (860) 2 - 8 9/16 (827) 2 - 8 1/16 (814) 2 - 1 21/64 (643)	 UWCA1632 UWCAPO1632	 UWCA1832 UWCAPO1832	 UWCA2032 UWCAPO2032	 UWCA2432 UWCAPO2432	 UWCA2632 UWCAPO2632	 UWCA2832 UWCAPO2832	 UWCA3032 UWCAPO3032	 UWCA3232 UWCAPO3232	 UWCA3632 UWCAPO3632	 UWCA4032 UWCAPO4032
3 - 1 7/8 (962) 3 - 9/16 (929) 3 - 1/16 (916) 2 - 5 21/64 (745)	 UWCA1636 UWCAPO1636	 UWCA1836 UWCAPO1836	 UWCA2036 UWCAPO2036	 UWCA2436 UWCAPO2436	 UWCA2636 UWCAPO2636	 UWCA2836 UWCAPO2836	 UWCA3036 UWCAPO3036	 UWCA3236 UWCAPO3236	 UWCA3636 E UWCAPO3636 E	 UWCA4036 E UWCAPO4036 E

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

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.

Wood Casement / Wood Casement Push Out

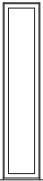
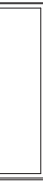
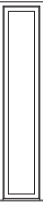
MO (mm)	1 - 7 5/8 (498)	1 - 9 5/8 (549)	1 - 11 5/8 (600)	2 - 3 5/8 (702)	2 - 5 5/8 (752)	2 - 7 5/8 (803)	2 - 9 5/8 (854)	2 - 11 5/8 (905)	3 - 3 5/8 (1006)	3 - 7 5/8 (1108)
RO (mm)	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (685)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)	3 - 1 (939)	3 - 5 (1041)
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)	 UWCA1640 UWCAPO1640	 UWCA1840 UWCAPO1840	 UWCA2040 UWCAPO2040	 UWCA2440 UWCAPO2440	 UWCA2640 UWCAPO2640	 UWCA2840 UWCAPO2840	 UWCA3040 E UWCAPO3040 E	 UWCA3240 E UWCAPO3240 E	 UWCA3640 E UWCAPO3640 E	 UWCA4040 E UWCAPO4040 E
3 - 9 7/8 (1165) 3 - 8 9/16 (1132) 3 - 8 1/16 (1119) 3 - 1 21/64 (948)	 UWCA1644 UWCAPO1644	 UWCA1844 UWCAPO1844	 UWCA2044 UWCAPO2044	 UWCA2444 UWCAPO2444	 UWCA2644 UWCAPO2644	 UWCA2844 UWCAPO2844 E	 UWCA3044 E UWCAPO3044 E	 UWCA3244 E UWCAPO3244 E	 UWCA3644 E UWCAPO3644 E	 UWCA4044 E UWCAPO4044 E
4 - 1 7/8 (1267) 4 - 9/16 (1233) 4 - 1/16 (1221) 3 - 5 21/64 (1050)	 UWCA1648 UWCAPO1648	 UWCA1848 UWCAPO1848	 UWCA2048 UWCAPO2048	 UWCA2448 UWCAPO2448	 UWCA2648 UWCAPO2648	 UWCA2848 E UWCAPO2848 E	 UWCA3048 E UWCAPO3048 E	 UWCA3248 E UWCAPO3248 E	 UWCA3648 E UWCAPO3648 E	 UWCA4048 E UWCAPO4048 E
4 - 7 7/8 (1419) 4 - 6 9/16 (1386) 4 - 6 1/16 (1373) 3 - 11 21/64 (1202)	 UWCA1654 UWCAPO1654	 UWCA1854 UWCAPO1854	 UWCA2054 UWCAPO2054	 UWCA2454 UWCAPO2454	 UWCA2654 UWCAPO2654	 UWCA2854 E UWCAPO2854 E	 UWCA3054 E UWCAPO3054 E	 UWCA3254 E UWCAPO3254 E	 UWCA3654 E UWCAPO3654 E	 UWCA4054 E UWCAPO4054 E
4 - 9 7/8 (1470) 4 - 8 9/16 (1437) 4 - 8 1/16 (1424) 4 - 1 21/64 (1253)	 UWCA1656 UWCAPO1656	 UWCA1856 UWCAPO1856	 UWCA2056 UWCAPO2056	 UWCA2456 UWCAPO2456	 UWCA2656 UWCAPO2656	 UWCA2856 E UWCAPO2856 E	 UWCA3056 E UWCAPO3056 E	 UWCA3256 E UWCAPO3256 E	 UWCA3656 E UWCAPO3656 E	 UWCA4056 E UWCAPO4056 E
5 - 1 7/8 (1572) 5 - 9/16 (1538) 5 - 1/16 (1526) 4 - 5 21/64 (1355)	 UWCA1660 UWCAPO1660	 UWCA1860 UWCAPO1860	 UWCA2060 UWCAPO2060	 UWCA2460 UWCAPO2460	 UWCA2660 UWCAPO2660	 UWCA2860 E UWCAPO2860 E	 UWCA3060 E UWCAPO3060 E	 UWCA3260 E UWCAPO3260 E	 UWCA3660 E UWCAPO3660 E	 UWCA4060 E UWCAPO4060 E
5 - 5 7/8 (1673) 5 - 4 9/16 (1640) 5 - 4 1/16 (1627) 4 - 9 21/64 (1456)	 UWCA1664 UWCAPO1664	 UWCA1864 UWCAPO1864	 UWCA2064 UWCAPO2064	 UWCA2464 UWCAPO2464	 UWCA2664 UWCAPO2664	 UWCA2864 E UWCAPO2864 E	 UWCA3064 E UWCAPO3064 E	 UWCA3264 E UWCAPO3264 E	 UWCA3664 E UWCAPO3664 E	 UWCA4064 E UWCAPO4064 E

Details and Elevations not to scale.

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

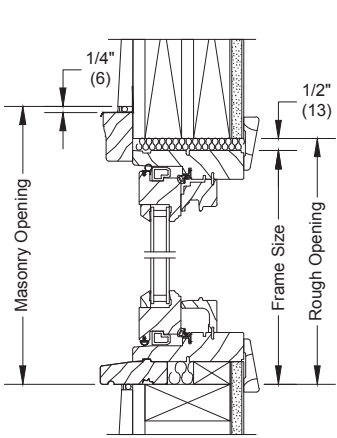
E These windows meet national Egress codes for fire evacuation. Local codes may differ. For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 72 1/16" or larger and units with a frame size of 25.2 ft² and larger. Please consult your local Marvin representative for more information.
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

Wood Casement / Wood Casement Push Out

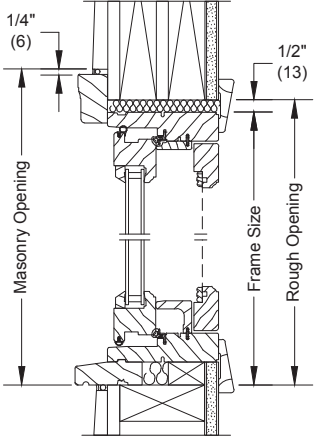
MO (mm)	1 - 7 5/8 (498)	1 - 9 5/8 (549)	1 - 11 5/8 (600)	2 - 3 5/8 (702)	2 - 5 5/8 (752)	2 - 7 5/8 (803)	2 - 9 5/8 (854)	2 - 11 5/8 (905)	3 - 3 5/8 (1006)	3 - 7 5/8 (1108)
RO (mm)	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (685)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)	3 - 1 (939)	3 - 5 (1041)
FS (mm)	1 - 4 (406)	1 - 6 (457)	1 - 8 (508)	2 - 0 (609)	2 - 2 (660)	2 - 4 (711)	2 - 6 (762)	2 - 8 (812)	3 - 0 (914)	3 - 4 (1016)
DLO (mm)	0 - 10 3/16 (259)	1 - 0 3/16 (310)	1 - 2 3/16 (360)	1 - 6 3/16 (462)	1 - 8 3/16 (513)	1 - 10 3/16 (564)	2 - 0 3/16 (614)	2 - 2 3/16 (665)	2 - 6 3/16 (767)	2 - 10 3/16 (868)
6 - 1 7/8 (1876) 6 - 9/16 (1843) 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

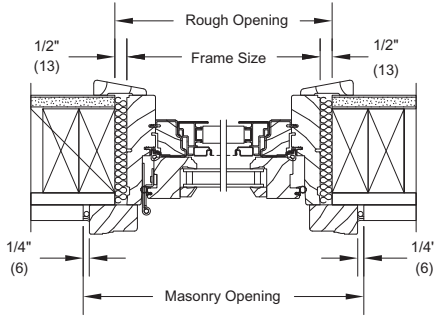
Construction Details



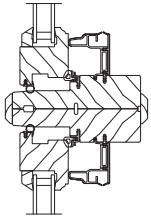
CRANKOUT HEAD JAMB AND SILL - OPERATOR WITH OPTIONAL SCREEN



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)										
1 - 1 5/8 (346)										
1 - 1 7/8 (333)										
0 - 7 21/64 (186)										
1 - 3 3/8 (390)										
1 - 3 5/8 (396)										
1 - 3 7/8 (384)										
0 - 9 21/64 (237)										
1 - 5 3/8 (441)										
1 - 5 5/8 (447)										
1 - 5 7/8 (434)										
0 - 11 21/64 (288)										
1 - 7 3/8 (492)										
1 - 7 5/8 (498)										
1 - 7 7/8 (485)										
1 - 1 21/64 (339)										
1 - 11 3/8 (593)										
1 - 11 5/8 (600)										
1 - 11 7/8 (587)										
1 - 5 21/64 (440)										
2 - 3 3/8 (695)										
2 - 3 5/8 (701)										
2 - 3 7/8 (688)										
1 - 9 21/64 (542)										
2 - 7 3/8 (796)										
2 - 7 5/8 (803)										
2 - 7 7/8 (790)										
2 - 1 21/64 (643)										
2 - 11 3/8 (898)										
2 - 11 5/8 (904)										
2 - 11 7/8 (892)										
2 - 5 21/64 (745)										
3 - 3 3/8 (1000)										
3 - 3 5/8 (1006)										
3 - 3 7/8 (993)										
2 - 9 21/64 (847)										

ULTIMATE CASEMENT: UCA
ULTIMATE CASEMENT PUSH OUT: UCAPO

Details and Elevations not to scale.

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

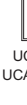
E These windows meet national Egress codes for fire evacuation. Local codes may differ.

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

Please consult your local Marvin representative for more information.

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

Casement / Casement Push Out

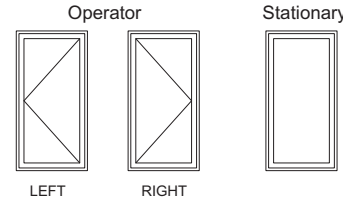
(mm)	1 - 4 1/2 (419)	1 - 6 1/2 (469)	1 - 8 1/2 (520)	2 - 1 1/2 (622)	2 - 2 1/2 (673)	2 - 4 1/2 (723)	2 - 6 1/2 (774)	2 - 8 1/2 (825)	3 - 1/2 (927)	3 - 4 1/2 (1028)
RO (mm)	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (685)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)	3 - 1 (939)	3 - 5 (1041)
FS (mm)	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)
3 - 7 3/8 (1101)										
	UCA1644	UCA1844	UCA2044	UCA2444	UCA2644	UCA2844	UCA3044 E	UCA3244 E	UCA3644 E	UCA4044 E
	UCAPO1644	UCAPO1844	UCAPO2044	UCAPO2444	UCAPO2644	UCAPO2844 E	UCAPO3044 E	UCAPO3244 E	UCAPO3644 E	UCAPO4044 E
3 - 7 5/8 (1108)										
	UCA1648	UCA1848	UCA2048	UCA2448	UCA2648	UCA2848 E	UCA3048 E	UCA3248 E	UCA3648 E	UCA4048 E
	UCAPO1648	UCAPO1848	UCAPO2048	UCAPO2448	UCAPO2648	UCAPO2848 E	UCAPO3048 E	UCAPO3248 E	UCAPO3648 E	UCAPO4048 E
3 - 7 7/8 (1095)										
	UCA1654	UCA1854	UCA2054	UCA2454	UCA2654	UCA2854 E	UCA3054 E	UCA3254 E	UCA3654 E	UCA4054 E
	UCAPO1654	UCAPO1854	UCAPO2054	UCAPO2454	UCAPO2654	UCAPO2854 E	UCAPO3054 E	UCAPO3254 E	UCAPO3654 E	UCAPO4054 E
3 - 1 21/64 (948)										
	UCA1656	UCA1856	UCA2056	UCA2456	UCA2656	UCA2856 E	UCA3056 E	UCA3256 E	UCA3656 E	UCA4056 E
	UCAPO1656	UCAPO1856	UCAPO2056	UCAPO2456	UCAPO2656	UCAPO2856 E	UCAPO3056 E	UCAPO3256 E	UCAPO3656 E	UCAPO4056 E
3 - 11 3/8 (1203)										
	UCA1660	UCA1860	UCA2060	UCA2460	UCA2660	UCA2860 E	UCA3060 E	UCA3260 E	UCA3660 E	UCA4060 E
	UCAPO1660	UCAPO1860	UCAPO2060	UCAPO2460	UCAPO2660	UCAPO2860 E	UCAPO3060 E	UCAPO3260 E	UCAPO3660 E	UCAPO4060 E
3 - 11 5/8 (1209)										
	UCA1664	UCA1864	UCA2064	UCA2464	UCA2664	UCA2864 E	UCA3064 E	UCA3264 E	UCA3664 E	UCA4064 E
	UCAPO1664	UCAPO1864	UCAPO2064	UCAPO2464	UCAPO2664	UCAPO2864 E	UCAPO3064 E	UCAPO3264 E	UCAPO3664 E	UCAPO4064 E
3 - 11 7/8 (1196)										
	UCA1672 T	UCA1872 T	UCA2072 T	UCA2472 T	UCA2672 T	UCA2872 ET	UCA3072 ET	UCA3272 ET	UCA3672 ET	UCA4072 ET
	UCAPO1672 T	UCAPO1872 T	UCAPO2072 T	UCAPO2472 T	UCAPO2672 T	UCAPO2872 ET	UCAPO3072 ET	UCAPO3272 ET	UCAPO3672 ET	UCAPO4072 ET
3 - 5 21/64 (1050)										
	UCA1672 T	UCA1872 T	UCA2072 T	UCA2472 T	UCA2672 T	UCA2872 ET	UCA3072 ET	UCA3272 ET	UCA3672 ET	UCA4072 ET
	UCAPO1672 T	UCAPO1872 T	UCAPO2072 T	UCAPO2472 T	UCAPO2672 T	UCAPO2872 ET	UCAPO3072 ET	UCAPO3272 ET	UCAPO3672 ET	UCAPO4072 ET

Casement / Casement Push Out

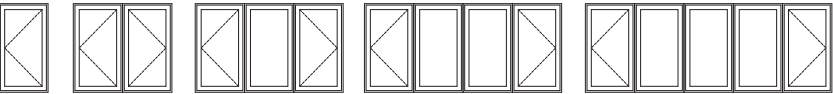
MO (mm)	1 - 4 1/2 (419)	1 - 6 1/2 (469)	1 - 8 1/2 (520)	2 - 1/2 (622)	2 - 2 1/2 (673)	2 - 4 1/2 (723)	2 - 6 1/2 (774)	2 - 8 1/2 (825)	3 - 1/2 (927)	3 - 4 1/2 (1028)
RO (mm)	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (685)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)	3 - 1 (939)	3 - 5 (1041)
FS (mm)	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 (1812)	 UCA1678 T UCAPO1678 T	 UCA1878 T UCAPO1878 T	 UCA2078 T UCAPO2078 T	 UCA2478 T UCAPO2478 T	 UCA2678 T UCAPO2678 T	 UCA2878 ET UCAPO2878 ET	 UCA3078 ET UCAPO3078 ET	 UCA3278 ET UCAPO3278 ET	 UCA3678 ET UCAPO3678 ET	 UCA4078 ET UCAPO4078 ET
6 - 11 3/8 (2117) 6 - 11 5/8 (2124) 6 - 11 1/8 (2111) 6 - 5 21/64 (1964)	 UCA1684 T UCAPO1684 T	 UCA1884 T UCAPO1884 T	 UCA2084 T UCAPO2084 T	 UCA2484 UCAPO2484	 UCA2684 T UCAPO2684 T	 UCA2884 ET UCAPO2884 ET	 UCA3084 ET UCAPO3084 ET	 UCA3284 ET UCAPO3284 ET	 UCA3684 ET UCAPO3684 ET	 UCA4084 ET UCAPO4084 ET
7 - 7 3/8 (2320) 7 - 7 5/8 (2327) 7 - 7 1/8 (2314) 7 - 1 21/64 (2167)	 UCA1692 T UCAPO1692 T	 UCA1892 T UCAPO1892 T	 UCA2092 T UCAPO2092 T	 UCA2492 T UCAPO2492 T	 UCA2692 T UCAPO2692 T	 UCA2892 ET UCAPO2892 ET	 UCA3092 ET UCAPO3092 ET	 UCA3292 ET UCAPO3292 ET	 UCA3692 ET UCAPO3692 ET	 UCA4092 ET UCAPO4092 ET
7 - 11 3/8 (2422) 7 - 11 5/8 (2428) 7 - 11 1/8 (2416) 7 - 5 21/64 (2269)	 UCA1696 T UCAPO1696 T	 UCA1896 T UCAPO1896 T	 UCA2096 T UCAPO2096 T	 UCA2496 T UCAPO2496 T	 UCA2696 T UCAPO2696 T	 UCA2896 ET UCAPO2896 ET	 UCA3096 ET UCAPO3096 ET	 UCA3296 ET UCAPO3296 ET	 UCA3696 ET UCAPO3696 ET	

Construction Details

Casements available as an operator or stationary.
L or R handing determined from exterior.

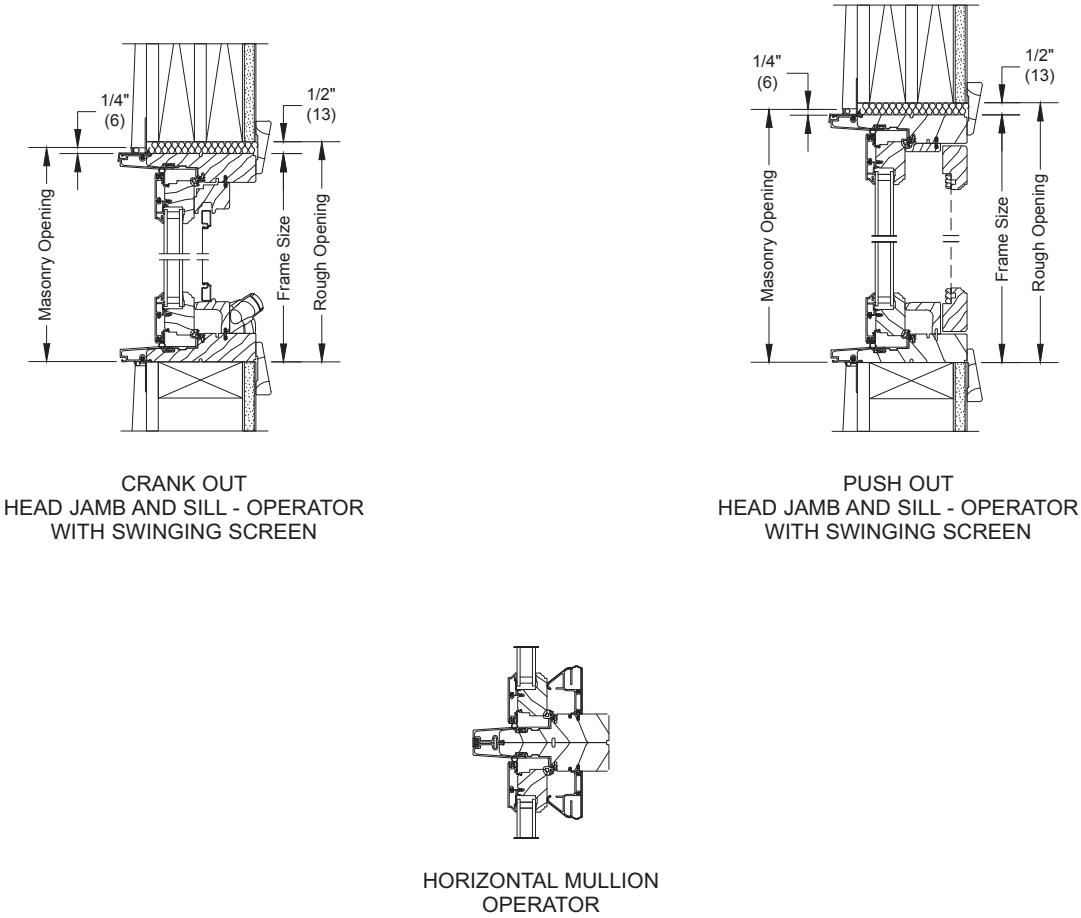


Casement Standard Operation As Viewed From The Outside



Casement / Casement Push Out

Construction Details



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	 UWFCA4832 E UWFCAP04832 E	 UWFCA5632 E UWFCAP05632 E	 UWFCA6032 E UWFCAP06032 E
3 - 1 7/8 (962) 3 - 9/16 (929) 3 - 1/16 (916) 2 - 5 21/64 (745)	 UWFCAP03636	 UWFCA4036 UWFCAP04036 E	 UWFCA4836 E UWFCAP04836 E	 UWFCA5636 E UWFCAP05636 E	 UWFCA6036 E UWFCAP06036 E
3 - 5 7/8 (1064) 3 - 4 9/16 (1030) 3 - 4 1/16 (1016) 2 - 9 21/64 (847)	 UWFCAP03640	 UWFCA4040 E UWFCAP04040 E	 UWFCA4840 E UWFCAP04840 E	 UWFCA5640 E UWFCAP05640 E	 UWFCA6040 E UWFCAP06040 E
3 - 9 7/8 (1165) 3 - 8 9/16 (1132) 3 - 8 1/16 (1119) 3 - 1 21/64 (948)	 UWFCAP03644	 UWFCA4044 E UWFCAP04044 E	 UWFCA4844 E UWFCAP04844 E	 UWFCA5644 E UWFCAP05644 E	 UWFCA6044 E UWFCAP06044 E
4 - 1 7/8 (1267) 4 - 9/16 (1234) 4 - 1/16 (1221) 3 - 5 21/64 (1050)	 UWFCAP03648 E	 UWFCA4048 E UWFCAP04048 E	 UWFCA4848 E UWFCAP04848 E	 UWFCA5648 E UWFCAP05648 E	 UWFCA6048 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	 UWFCA4054 E UWFCAP04054 E	 UWFCA4854 E UWFCAP04854 E	 UWFCA5654 E UWFCAP05654 E	 UWFCA6054 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)

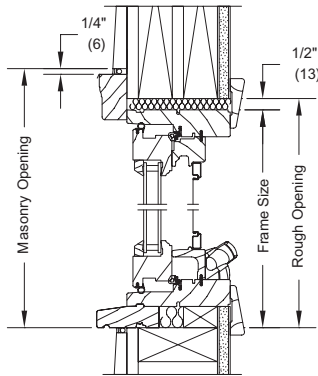
4 - 9 7/8 (1470) 4 - 8 9/16 (1437) 4 - 8 1/16 (1424) 4 - 1 21/64 (1253)	 UWFCAP03656 E	 UWFCA4056 E UWFCAP04056 E	 UWFCA4856 E UWFCAP04856 E	 UWFCA5656 E UWFCAP05656 E	 UWFCA6056 E UWFCAP06056 E
5 - 1 7/8 (1572) 5 - 9/16 (1538) 5 - 1/16 (1526) 4 - 5 21/64 (1355)	 UWFCAP03660 E	 UWFCA4060 E UWFCAP04060 E	 UWFCA4860 E UWFCAP04860 E	 UWFCA5660 E UWFCAP05660 E	 UWFCA6060 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	 UWFCA4064 E UWFCAP04064 E	 UWFCA4864 E UWFCAP04864 E	 UWFCA5664 E UWFCAP05664 E	 UWFCA6064 E UWFCAP06064 E
6 - 1 7/8 (1876) 6 - 9/16 (1843) 6 - 1/16 (1830) 5 - 5 21/64 (1659)	 UWFCAP03672 ET	 UWFCA4072 ET UWFCAP04072 ET	 UWFCA4872 ET UWFCAP04872 ET	 UWFCA5672 ET UWFCAP05672 ET	 UWFCA6072 ET UWFCAP06072 ET

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

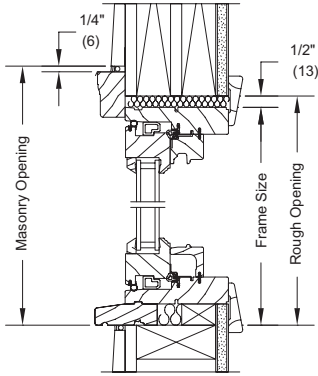
ULTIMATE WOOD FRENCH CASEMENT: UWFCA
ULTIMATE WOOD FRENCH CASEMENT PUSH OUT: UWFCAP0

Wood French Casement

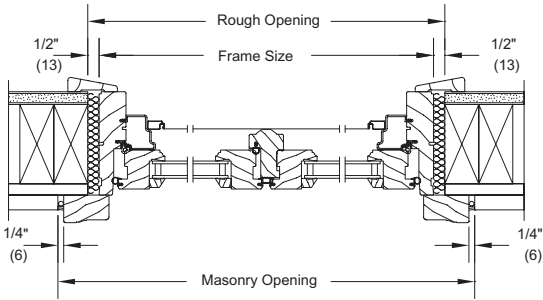
Construction Details



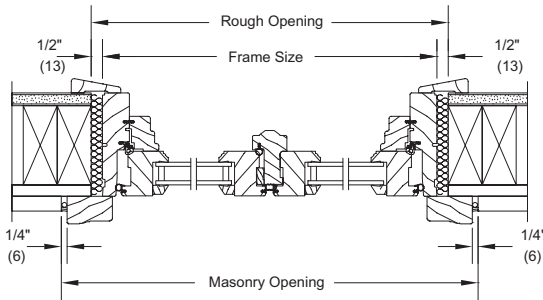
HEAD JAMB AND SILL - OPERATOR



HEAD JAMB AND SILL - STATIONARY



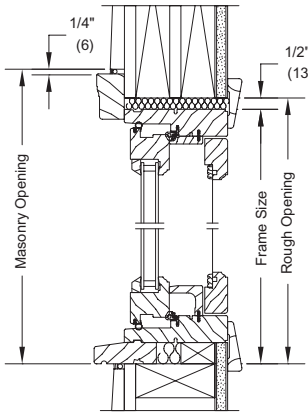
JAMB - OPERATOR



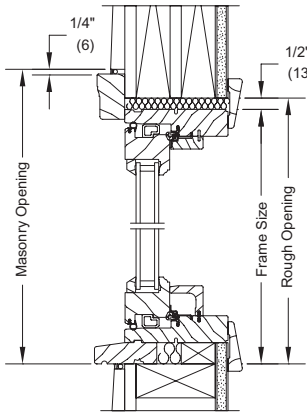
JAMB - STATIONARY

Wood French Casement Push Out

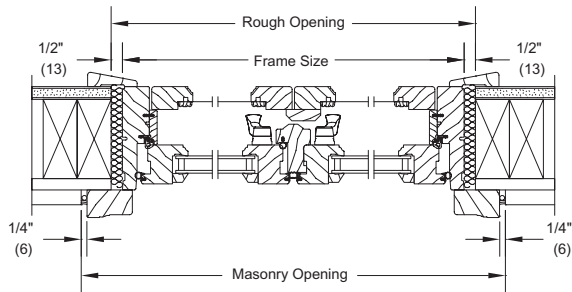
Construction Details



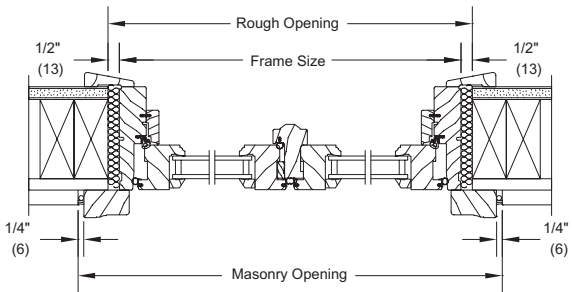
HEAD JAMB AND SILL - OPERATOR
WITH SCREEN OPTION



HEAD JAMB AND SILL - STATIONARY



JAMB - OPERATOR
WITH SCREEN OPTION



JAMB - STATIONARY

French Casement / French Casement Push Out

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

ULTIMATE FRENCH CASEMENT: UFCA
ULTIMATE FRENCH CASEMENT PUSH OUT: UFCAPO

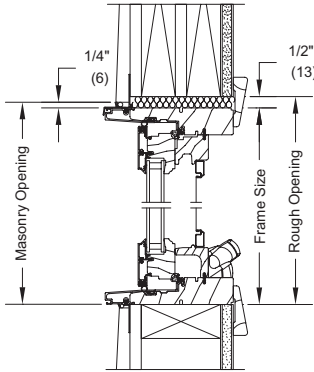
Details and Elevations not to scale.
E These windows meet national Egress codes for fire evacuation. Local codes may differ.
T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 72 1/16" or larger and units with a frame size of 25.2 ft² and larger. Please consult your local Marvin representative for more information.
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French Casement / French Casement Push Out

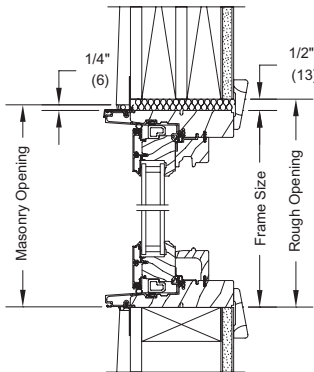
MO (mm)	3 - 0 1/2 (927)	3 - 4 1/2 (1029)	4 - 0 1/2 (1232)	4 - 8 1/2 (1435)	5 - 0 1/2 (1537)
RO (mm)	3 - 1 (940)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)
FS (mm)	3 - 0 (914)	3 - 4 (1016)	4 - 0 (1219)	4 - 8 (1422)	5 - 0 (1524)
DLO (mm)	1 - 0 55/64 (327)	1 - 2 55/64 (378)	1 - 6 55/64 (479)	1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

French Casement

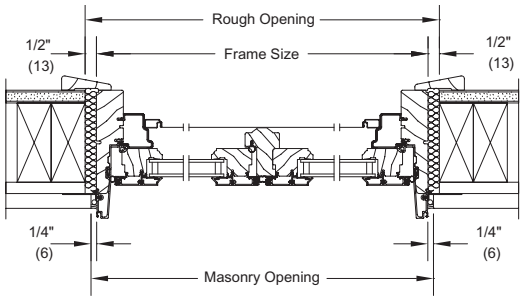
Construction Details



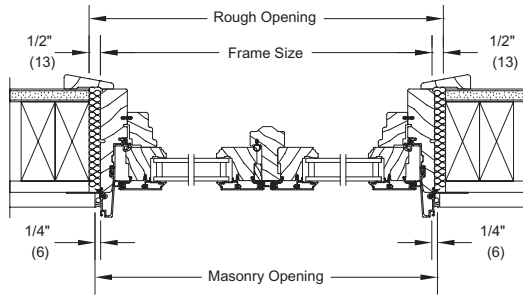
HEAD JAMB AND SILL - OPERATOR



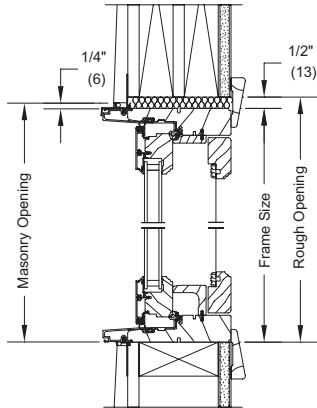
HEAD JAMB AND SILL - STATIONARY



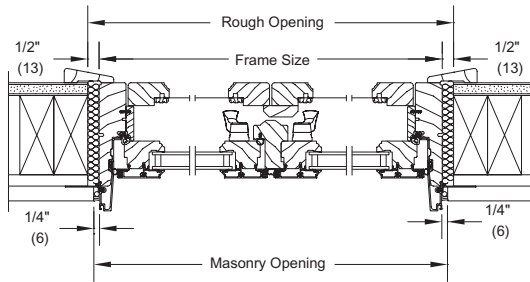
JAMB - OPERATOR



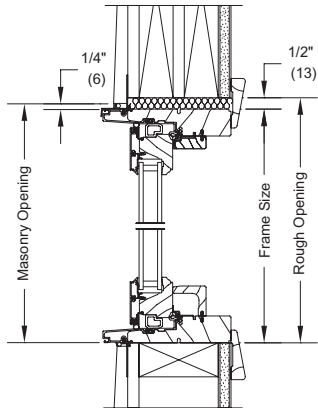
JAMB - STATIONARY



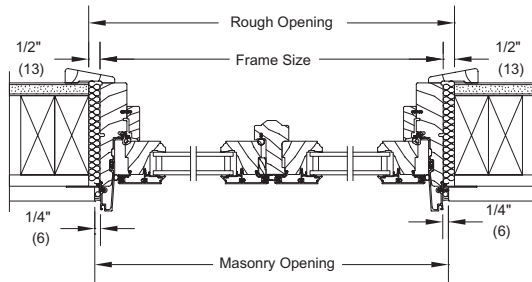
HEAD JAMB AND SILL - OPERATOR WITH WOOD SCREEN OPTION



JAMB - STATIONARY WITH WOOD SCREEN OPTION



HEAD JAMB AND SILL - STATIONARY



JAMB - STATIONARY

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) 1 - 4 9/16 (421) 1 - 2 1/16 (357) 0 - 7 15/16 (186)	 UAWN 1614 UAWWNPO 1614	 UAWN 1814 UAWWNPO 1814	 UAWN 2014 UAWWNPO 2014	 UAWN 2414 UAWWNPO 2414	 UAWN 2614 UAWWNPO 2614	 UAWN 2814 UAWWNPO 2814	 UAWN 3014 UAWWNPO 3014	 UAWN 3214 UAWWNPO 3214	 UAWN 3614 UAWWNPO 3614
1 - 5 7/8 (454) 1 - 4 9/16 (421) 1 - 4 1/16 (408) 0 - 9 15/16 (237)	 UAWN 1616 UAWWNPO 1616	 UAWN 1816 UAWWNPO 1816	 UAWN 2016 UAWWNPO 2016	 UAWN 2416 UAWWNPO 2416	 UAWN 2616 UAWWNPO 2616	 UAWN 2816 UAWWNPO 2816	 UAWN 3016 UAWWNPO 3016	 UAWN 3216 UAWWNPO 3216	 UAWN 3616 UAWWNPO 3616
1 - 7 7/8 (505) 1 - 6 9/16 (471) 1 - 6 1/16 (459) 0 - 11 15/16 (287)	 UAWN 1618 UAWWNPO 1618	 UAWN 1818 UAWWNPO 1818	 UAWN 2018 UAWWNPO 2018	 UAWN 2418 UAWWNPO 2418	 UAWN 2618 UAWWNPO 2618	 UAWN 2818 UAWWNPO 2818	 UAWN 3018 UAWWNPO 3018	 UAWN 3218 UAWWNPO 3218	 UAWN 3618 UAWWNPO 3618
1 - 9 7/8 (556) 1 - 8 9/16 (522) 1 - 8 1/16 (510) 1 - 1 15/16 (338)	 UAWN 1620 UAWWNPO 1620	 UAWN 1820 UAWWNPO 1820	 UAWN 2020 UAWWNPO 2020	 UAWN 2420 UAWWNPO 2420	 UAWN 2620 UAWWNPO 2620	 UAWN 2820 UAWWNPO 2820	 UAWN 3020 UAWWNPO 3020	 UAWN 3220 UAWWNPO 3220	 UAWN 3620 UAWWNPO 3620
2 - 1 7/8 (657) 2 - 9/16 (624) 2 - 1/16 (611) 1 - 5 15/16 (440)	 UAWN 1624 UAWWNPO 1624	 UAWN 1824 UAWWNPO 1824	 UAWN 2024 UAWWNPO 2024	 UAWN 2424 UAWWNPO 2424	 UAWN 2624 UAWWNPO 2624	 UAWN 2824 UAWWNPO 2824	 UAWN 3024 UAWWNPO 3024	 UAWN 3224 UAWWNPO 3224	 UAWN 3624 UAWWNPO 3624
2 - 5 7/8 (759) 2 - 4 9/16 (725) 2 - 4 1/16 (713) 1 - 9 15/16 (641)	 UAWN 1628 UAWWNPO 1628	 UAWN 1828 UAWWNPO 1828	 UAWN 2028 UAWWNPO 2028	 UAWN 2428 UAWWNPO 2428	 UAWN 2628 UAWWNPO 2628	 UAWN 2828 UAWWNPO 2828	 UAWN 3028 UAWWNPO 3028	 UAWN 3228 UAWWNPO 3228	 UAWN 3628 UAWWNPO 3628
2 - 9 7/8 (860) 2 - 8 9/16 (827) 2 - 8 1/16 (814) 2 - 1 15/16 (643)	 UAWN 1632 UAWWNPO 1632	 UAWN 1832 UAWWNPO 1832	 UAWN 2032 UAWWNPO 2032	 UAWN 2432 UAWWNPO 2432	 UAWN 2632 UAWWNPO 2632	 UAWN 2832 UAWWNPO 2832	 UAWN 3032 UAWWNPO 3032	 UAWN 3232 UAWWNPO 3232	 UAWN 3632 UAWWNPO 3632
3 - 1 7/8 (962) 3 - 9/16 (929) 3 - 1/16 (916) 2 - 5 15/16 (745)	 UAWN 1636 UAWWNPO 1636	 UAWN 1836 UAWWNPO 1836	 UAWN 2036 UAWWNPO 2036	 UAWN 2436 UAWWNPO 2436	 UAWN 2636 UAWWNPO 2636	 UAWN 2836 UAWWNPO 2836	 UAWN 3036 UAWWNPO 3036	 UAWN 3236 UAWWNPO 3236	 UAWN 3636 UAWWNPO 3636
3 - 5 7/8 (1064) 3 - 4 9/16 (1030) 3 - 4 1/16 (1018) 2 - 9 15/16 (846)	 UAWN 1640 UAWWNPO 1640	 UAWN 1840 UAWWNPO 1840	 UAWN 2040 UAWWNPO 2040	 UAWN 2440 UAWWNPO 2440	 UAWN 2640 UAWWNPO 2640	 UAWN 2840 UAWWNPO 2840	 UAWN 3040 UAWWNPO 3040	 UAWN 3240 UAWWNPO 3240	 UAWN 3640 UAWWNPO 3640
3 - 9 7/8 (1165) 3 - 8 9/16 (1132) 3 - 8 1/16 (1119) 3 - 1 15/16 (948)	 UAWN 1644 UAWWNPO 1644	 UAWN 1844 UAWWNPO 1844	 UAWN 2044 UAWWNPO 2044	 UAWN 2444 UAWWNPO 2444	 UAWN 2644 UAWWNPO 2644	 UAWN 2844 UAWWNPO 2844	 UAWN 3044 UAWWNPO 3044	 UAWN 3244 UAWWNPO 3244	 UAWN 3644 UAWWNPO 3644
4 - 1 7/8 (1267) 4 - 9/16 (1233) 4 - 1/16 (1221) 3 - 5 15/16 (1049)	 UAWN 1648 UAWWNPO 1648	 UAWN 1848 UAWWNPO 1848	 UAWN 2048 UAWWNPO 2048	 UAWN 2448 UAWWNPO 2448	 UAWN 2648 UAWWNPO 2648	 UAWN 2848 UAWWNPO 2848	 UAWN 3048 UAWWNPO 3048	 UAWN 3248 UAWWNPO 3248	 UAWN 3648 UAWWNPO 3648

ULTIMATE WOOD AWNING: UAWN
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) 1 - 4 9/16 (421) 1 - 2 1/16 (357) 0 - 7 15/16 (186)	 UAWN 4014 UAWWNPO 4014	 UAWN 4814 UAWWNPO 4814	 UAWN 5614 UAWWNPO 5614	 UAWN 6014 UAWWNPO 6014	 UAWN 6414 UAWWNPO 6414	 UAWNPO 7214 UAWWNPO 7214
	 UAWN 4016 UAWWNPO 4016	 UAWN 4816 UAWWNPO 4816	 UAWN 5616 UAWWNPO 5616	 UAWN 6016 UAWWNPO 6016	 UAWN 6416 UAWWNPO 6416	 UAWN 7216 UAWWNPO 7216
	 UAWN 4018 UAWWNPO 4018	 UAWN 4818 UAWWNPO 4818	 UAWN 5618 UAWWNPO 5618	 UAWN 6018 UAWWNPO 6018	 UAWN 6418 UAWWNPO 6418	 UAWNPO 7218 UAWWNPO 7218
	 UAWN 4020 UAWWNPO 4020	 UAWN 4820 UAWWNPO 4820	 UAWN 5620 UAWWNPO 5620	 UAWN 6020 UAWWNPO 6020	 UAWN 6420 UAWWNPO 6420	 UAWN 7220 UAWWNPO 7220
	 UAWN 4024 UAWWNPO 4024	 UAWN 4824 UAWWNPO 4824	 UAWN 5624 UAWWNPO 5624	 UAWN 6024 UAWWNPO 6024	 UAWN 6424 UAWWNPO 6424	 UAWN 7224 UAWWNPO 7224
	 UAWN 4028 UAWWNPO 4028	 UAWN 4828 UAWWNPO 4828	 UAWN 5628 UAWWNPO 5628	 UAWN 6028 UAWWNPO 6028	 UAWN 6428 UAWWNPO 6428	 UAWN 7228 UAWWNPO 7228
	 UAWN 4032 UAWWNPO 4032	 UAWN 4832 UAWWNPO 4832	 UAWN 5632 UAWWNPO 5632	 UAWN 6032 UAWWNPO 6032	 UAWN 6432 UAWWNPO 6432	 UAWN 7232 UAWWNPO 7232
	 UAWN 4036 UAWWNPO 4036	 UAWN 4836 UAWWNPO 4836	 UAWN 5636 UAWWNPO 5636	 UAWN 6036 UAWWNPO 6036	 UAWN 6436 UAWWNPO 6436	 UAWN 7236 UAWWNPO 7236
	 UAWN 4040 UAWWNPO 4040	 UAWN 4840 UAWWNPO 4840	 UAWN 5640 UAWWNPO 5640	 UAWN 6040 UAWWNPO 6040	 UAWN 6440 UAWWNPO 6440	 UAWN 7240 UAWWNPO 7240
	 UAWN 4044 UAWWNPO 4044	 UAWN 4844 UAWWNPO 4844	 UAWN 5644 UAWWNPO 5644	 UAWN 6044 UAWWNPO 6044	 UAWN 6444 UAWWNPO 6444	 UAWN 7244 UAWWNPO 7244
 UAWN 4048 UAWWNPO 4048	 UAWN 4848 UAWWNPO 4848	 UAWN 5648 UAWWNPO 5648	 UAWN 6048 UAWWNPO 6048	 UAWN 6448 UAWWNPO 6448	 UAWN 7248 UAWWNPO 7248	

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)	 UAWAWN 1654	 UAWAWN 1854	 UAWAWN 2054	 UAWAWN 2454	 UAWAWN 2654	 UAWAWN 2854	 UAWAWN 3054	 UAWAWN 3254	 UAWAWN 3654
4 - 9 7/8 (1470) 4 - 8 9/16 (1437) 4 - 8 1/16 (1424) 4 - 1 15/16 (1253)	 UAWAWN 1656	 UAWAWN 1856	 UAWAWN 2056	 UAWAWN 2456	 UAWAWN 2656	 UAWAWN 2856	 UAWAWN 3056	 UAWAWN 3256	 UAWAWN 3656
5 - 1 7/8 (1572) 5 - 9/16 (1538) 5 - 4 1/16 (1526) 4 - 5 15/16 (1354)	 UAWAWN 1660	 UAWAWN 1860	 UAWAWN 2060	 UAWAWN 2460	 UAWAWN 2660	 UAWAWN 2860	 UAWAWN 3060	 UAWAWN 3260	 UAWAWN 3660
5 - 5 7/8 (1673) 5 - 4 9/16 (1640) 5 - 4 1/16 (1627) 4 - 9 15/16 (1456)	 UAWAWN 1664	 UAWAWN 1864	 UAWAWN 2064	 UAWAWN 2464	 UAWAWN 2664	 UAWAWN 2864	 UAWAWN 3064	 UAWAWN 3264	 UAWAWN 3664
6 - 1 7/8 (1876) 6 - 9/16 (1843) 6 - 1/16 (1830) 5 - 5 15/16 (1659)	 UAWAWN 1672 T	 UAWAWN 1872 T	 UAWAWN 2072 T	 UAWAWN 2472 T	 UAWAWN 2672 T	 UAWAWN 2872 T	 UAWAWN 3072 T	 UAWAWN 3272 T	 UAWAWN 3672 T

Wood Awning / Wood Awning Push Out

MO (mm)	3 - 7 5/8 (1108)	4 - 3 5/8 (1311)	4 - 11 5/8 (1514)	5 - 3 5/8 (1616)	5 - 7 5/8 (1718)	6 - 3 5/8 (1921)
RO (mm)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)	5 - 5 (1651)	6 - 1 (1854)
FS (mm)	3 - 4 (1016)	4 - 0 (1219)	4 - 8 (1422)	5 - 0 (1524)	5 - 4 (1626)	6 - 0 (1829)
DLO (mm)	2 - 11 19/64 (896)	3 - 7 19/64 (1100)	4 - 3 19/64 (1303)	4 - 7 19/64 (1404)	4 - 11 19/64 (1506)	5 - 7 19/64 (1709)
4 - 7 7/8 (1419) 4 - 6 9/16 (1386) 4 - 6 1/16 (1373) 3 - 11 15/16 (1202)	 UAWAWN 4054	 UAWAWN 4854	 UAWAWN 5654	 UAWAWN 6054	 UAWAWN 6454	 UAWAWN 7254 T
4 - 9 7/8 (1470) 4 - 8 9/16 (1437) 4 - 8 1/16 (1424) 4 - 1 15/16 (1253)	 UAWAWN 4056	 UAWAWN 4856	 UAWAWN 5656	 UAWAWN6056	 UAWAWN6456	 UAWAWN7256 T
5 - 1 7/8 (1572) 5 - 9/16 (1538) 5 - 4 1/16 (1526) 4 - 5 15/16 (1354)	 UAWAWN 4060	 UAWAWN 4860	 UAWAWN 5660	 UAWAWN 6060	 UAWAWN 6460 T	 UAWAWN 7260 T
5 - 5 7/8 (1673) 5 - 4 9/16 (1640) 5 - 4 1/16 (1627) 4 - 9 15/16 (1456)	 UAWAWN 4064	 UAWAWN 4864	 UAWAWN 5664	 UAWAWN 6064 T	 UAWAWN 6464 T	 UAWAWN 7264 T
6 - 1 7/8 (1876) 6 - 9/16 (1843) 6 - 1/16 (1830) 5 - 5 15/16 (1659)	 UAWAWN 4072 T	 UAWAWN 4872 T	 UAWAWN 5672 T	 UAWAWN 6072 T	 UAWAWN 6472 T	 UAWAWN 7272 T

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".

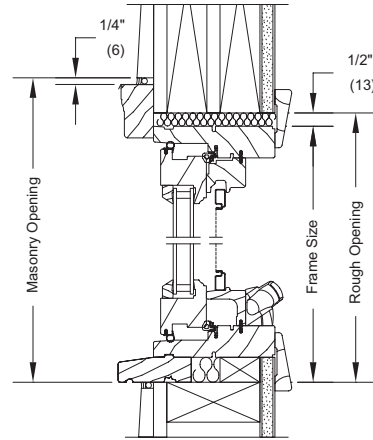
T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 72 1/16" or larger and units with a frame size of 25.2 ft² and larger.

Please consult your local Marvin representative for more information.

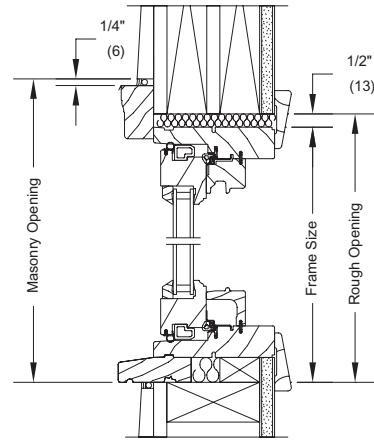
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

Wood Awning

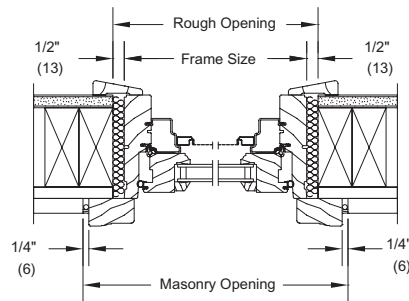
Construction Details



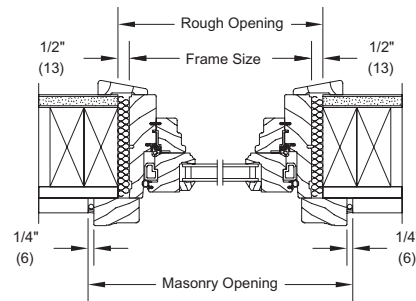
HEAD JAMB AND SILL - OPERATOR



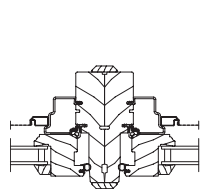
HEAD JAMB AND SILL - STATIONARY



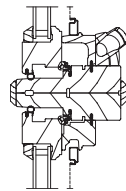
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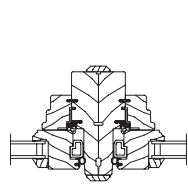
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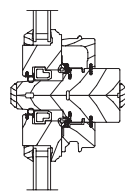
VERTICAL MULLION OPERATOR



HORIZONTAL MULLION OPERATOR



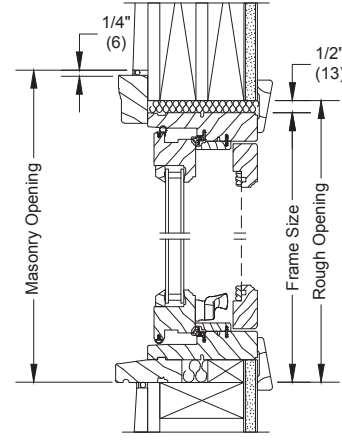
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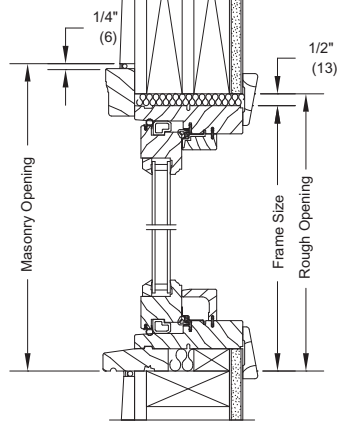
HORIZONTAL MULLION STATIONARY

Wood Awning Push Out

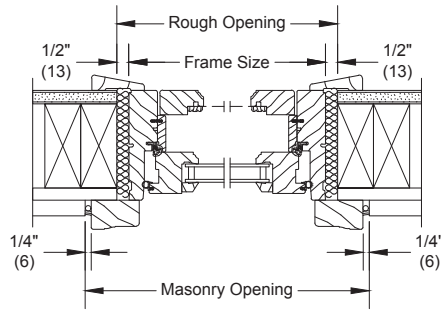
Construction Details



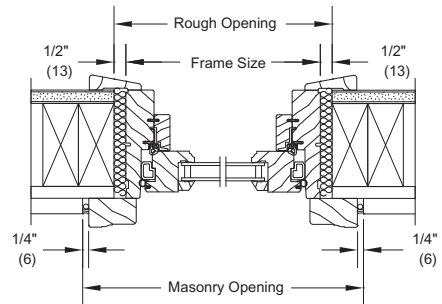
PUSH OUT
HEAD JAMB AND SILL - STATIONARY
WITH SWINGING WOOD SCREEN



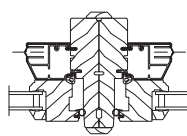
PUSH OUT
HEAD JAMB AND SILL - STATIONARY



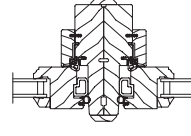
PUSH OUT
JAMB - OPERATOR
WITH SWINGING WOOD SCREEN



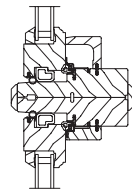
PUSH OUT
JAMB - STATIONARY



PUSH OUT OPERATOR
VERTICAL MULLION



PUSH OUT STATIONARY
VERTICAL MULLION



PUSH OUT STATIONARY
HORIZONTAL MULLION

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 1/8 (333) 0 - 7 21/64 (186)	 UAWN1614 UAWNPO1614	 UAWN1814 UAWNPO1814	 UAWN2014 UAWNPO2014	 UAWN2414 UAWNPO2414	 UAWN2614 UAWNPO2614	 UAWN2814 UAWNPO2814	 UAWN3014 UAWNPO3014	 UAWN3214 UAWNPO3214
1 - 3 3/8 (390) 1 - 3 5/8 (396) 1 - 3 1/8 (384) 0 - 9 21/64 (237)	 UAWN1616 UAWNPO1616	 UAWN1816 UAWNPO1816	 UAWN2016 UAWNPO2016	 UAWN2416 UAWNPO2416	 UAWN2616 UAWNPO2616	 UAWN2816 UAWNPO2816	 UAWN3016 UAWNPO3016	 UAWN3216 UAWNPO3216
1 - 5 3/8 (441) 1 - 5 5/8 (447) 1 - 5 1/8 (434) 0 - 11 21/64 (288)	 UAWN1618 UAWNPO1618	 UAWN1818 UAWNPO1818	 UAWN2018 UAWNPO2018	 UAWN2418 UAWNPO2418	 UAWN2618 UAWNPO2618	 UAWN2818 UAWNPO2818	 UAWN3018 UAWNPO3018	 UAWN3218 UAWNPO3218
1 - 7 3/8 (492) 1 - 7 5/8 (498) 1 - 7 1/8 (485) 1 - 1 21/64 (339)	 UAWN1620 UAWNPO1620	 UAWN1820 UAWNPO1820	 UAWN2020 UAWNPO2020	 UAWN2420 UAWNPO2420	 UAWN2620 UAWNPO2620	 UAWN2820 UAWNPO2820	 UAWN3020 UAWNPO3020	 UAWN3220 UAWNPO3220
1 - 11 3/8 (593) 1 - 11 5/8 (600) 1 - 11 1/8 (587) 1 - 5 21/64 (440)	 UAWN1624 UAWNPO1624	 UAWN1824 UAWNPO1824	 UAWN2024 UAWNPO2024	 UAWN2424 UAWNPO2424	 UAWN2624 UAWNPO2624	 UAWN2824 UAWNPO2824	 UAWN3024 UAWNPO3024	 UAWN3224 UAWNPO3224
2 - 3 3/8 (695) 2 - 3 5/8 (701) 2 - 3 1/8 (688) 1 - 9 21/64 (542)	 UAWN1628 UAWNPO1628	 UAWN1828 UAWNPO1828	 UAWN2028 UAWNPO2028	 UAWN2428 UAWNPO2428	 UAWN2628 UAWNPO2628	 UAWN2828 UAWNPO2828	 UAWN3028 UAWNPO3028	 UAWN3228 UAWNPO3228
2 - 7 3/8 (796) 2 - 7 5/8 (803) 2 - 7 1/8 (790) 2 - 1 21/64 (643)	 UAWN1632 UAWNPO1632	 UAWN1832 UAWNPO1832	 UAWN2032 UAWNPO2032	 UAWN2432 UAWNPO2432	 UAWN2632 UAWNPO2632	 UAWN2832 UAWNPO2832	 UAWN3032 UAWNPO3032	 UAWN3232 UAWNPO3232
2 - 11 3/8 (898) 2 - 11 5/8 (904) 2 - 11 1/8 (892) 2 - 5 21/64 (745)	 UAWN1636 UAWNPO1636	 UAWN1836 UAWNPO1836	 UAWN2036 UAWNPO2036	 UAWN2436 UAWNPO2436	 UAWN2636 UAWNPO2636	 UAWN2836 UAWNPO2836	 UAWN3036 UAWNPO3036	 UAWN3236 UAWNPO3236
3 - 3 3/8 (1000) 3 - 3 5/8 (1006) 3 - 3 1/8 (993) 2 - 9 21/64 (847)	 UAWN1640 UAWNPO1640	 UAWN1840 UAWNPO1840	 UAWN2040 UAWNPO2040	 UAWN2440 UAWNPO2440	 UAWN2640 UAWNPO2640	 UAWN2840 UAWNPO2840	 UAWN3040 UAWNPO3040	 UAWN3240 UAWNPO3240
3 - 7 3/8 (1101) 3 - 7 5/8 (1108) 3 - 7 1/8 (1095) 3 - 1 21/64 (948)	 UAWN1644 UAWNPO1644	 UAWN1844 UAWNPO1844	 UAWN2044 UAWNPO2044	 UAWN2444 UAWNPO2444	 UAWN2644 UAWNPO2644	 UAWN2844 UAWNPO2844	 UAWN3044 UAWNPO3044	 UAWN3244 UAWNPO3244
3 - 11 3/8 (1203) 3 - 11 5/8 (1209) 3 - 11 1/8 (1196) 3 - 5 21/64 (1050)	 UAWN1648 UAWNPO1648	 UAWN1848 UAWNPO1848	 UAWN2048 UAWNPO2048	 UAWN2448 UAWNPO2448	 UAWN2648 UAWNPO2648	 UAWN2848 UAWNPO2848	 UAWN3048 UAWNPO3048	 UAWN3248 UAWNPO3248

ULTIMATE AWNING: UAWN
ULTIMATE AWNING PUSH OUT: UAWNPO

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

Awning / Awning Push Out

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 - 1 5/8 (346) 1 - 1 1/8 (333) 0 - 7 21/64 (186)	 UAWN3614 UAWNPO3614	 UAWN4014 UAWNPO4014	 UAWN4814 UAWNPO4814	 UAWN5614 UAWNPO5614	 UAWN6014 UAWNPO6014	 UAWN6414 UAWNPO6414	 UAWN7214 UAWNPO7214
1 - 3 3/8 (390) 1 - 3 5/8 (396) 1 - 3 1/8 (384) 0 - 9 21/64 (237)	 UAWN3616 UAWNPO3616	 UAWN4016 UAWNPO4016	 UAWN4816 UAWNPO4816	 UAWN5616 UAWNPO5616	 UAWN6016 UAWNPO6016	 UAWN6416 UAWNPO6416	 UAWN7216 UAWNPO7216
1 - 5 3/8 (441) 1 - 5 5/8 (447) 1 - 5 1/8 (434) 0 - 11 21/64 (288)	 UAWN3618 UAWNPO3618	 UAWN4018 UAWNPO4018	 UAWN4818 UAWNPO4818	 UAWN5618 UAWNPO5618	 UAWN6018 UAWNPO6018	 UAWN6418 UAWNPO6418	 UAWN7218 UAWNPO7218
1 - 7 3/8 (492) 1 - 7 5/8 (498) 1 - 7 1/8 (485) 1 - 1 21/64 (339)	 UAWN3620 UAWNPO3620	 UAWN4020 UAWNPO4020	 UAWN4820 UAWNPO4820	 UAWN5620 UAWNPO5620	 UAWN6020 UAWNPO6020	 UAWN6420 UAWNPO6420	 UAWN7220 UAWNPO7220
1 - 11 3/8 (593) 1 - 11 5/8 (600) 1 - 11 1/8 (587) 1 - 5 21/64 (440)	 UAWN3624 UAWNPO3624	 UAWN4024 UAWNPO4024	 UAWN4824 UAWNPO4824	 UAWN5624 UAWNPO5624	 UAWN6024 UAWNPO6024	 UAWN6424 UAWNPO6424	 UAWN7224 UAWNPO7224
2 - 3 3/8 (695) 2 - 3 5/8 (701) 2 - 3 1/8 (688) 1 - 9 21/64 (542)	 UAWN3628 UAWNPO3628	 UAWN4028 UAWNPO4028	 UAWN4828 UAWNPO4828	 UAWN5628 UAWNPO5628	 UAWN6028 UAWNPO6028	 UAWN6428 UAWNPO6428	 UAWN7228 UAWNPO7228
2 - 7 3/8 (796) 2 - 7 5/8 (803) 2 - 7 1/8 (790) 2 - 1 21/64 (643)	 UAWN3632 UAWNPO3632	 UAWN4032 UAWNPO4032	 UAWN4832 UAWNPO4832	 UAWN5632 UAWNPO5632	 UAWN6032 UAWNPO6032	 UAWN6432 UAWNPO6432	 UAWN7232 UAWNPO7232
2 - 11 3/8 (898) 2 - 11 5/8 (904) 2 - 11 1/8 (892) 2 - 5 21/64 (745)	 UAWN3636 UAWNPO3636	 UAWN4036 UAWNPO4036	 UAWN4836 UAWNPO4836	 UAWN5636 UAWNPO5636	 UAWN6036 UAWNPO6036	 UAWN6436 UAWNPO6436	 UAWN7236 UAWNPO7236
3 - 3 3/8 (1000) 3 - 3 5/8 (1006) 3 - 3 1/8 (993) 2 - 9 21/64 (847)	 UAWN3640 UAWNPO3640	 UAWN4040 UAWNPO4040	 UAWN4840 UAWNPO4840	 UAWN5640 UAWNPO5640	 UAWN6040 UAWNPO6040	 UAWN6440 UAWNPO6440	 UAWN7240 UAWNPO7240
3 - 7 3/8 (1101) 3 - 7 5/8 (1108) 3 - 7 1/8 (1095) 3 - 1 21/64 (948)	 UAWN3644 UAWNPO3644	 UAWN4044 UAWNPO4044	 UAWN4844 UAWNPO4844	 UAWN5644 UAWNPO5644	 UAWN6044 UAWNPO6044	 UAWN6444 UAWNPO6444	 UAWN7244 UAWNPO7244
3 - 11 3/8 (1203) 3 - 11 5/8 (1209) 3 - 11 1/8 (1196) 3 - 5 21/64 (1050)	 UAWN3648 UAWNPO3648	 UAWN4048 UAWNPO4048	 UAWN4848 UAWNPO4848	 UAWN5648 UAWNPO5648	 UAWN6048 UAWNPO6048	 UAWN6448 UAWNPO6448	 UAWN7248 UAWNPO7248

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

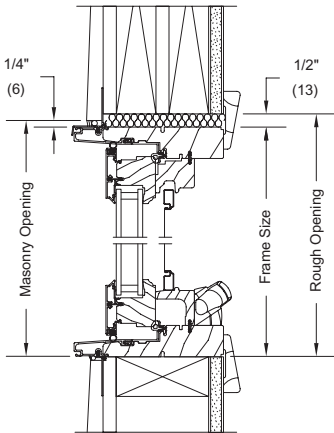
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RO (mm)	1 - 5 (431)	1 - 7 (482)	1 - 9 (533)	2 - 1 (635)	2 - 3 (688)	2 - 5 (736)	2 - 7 (787)	2 - 9 (838)
FS (mm)	1 - 4 (406)	1 - 6 (457)	1 - 8 (508)	2 - 0 (609)	2 - 2 (660)	2 - 4 (711)	2 - 6 (762)	2 - 8 (812)
DLO (mm)	0 - 10 13/64 (259)	1 - 0 13/64 (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 1/8 (1349) 3 - 11 21/64 (1202)								
4 - 7 3/8 (1406) 4 - 7 5/8 (1412) 4 - 7 1/8 (1400) 4 - 1 21/64 (1253)								
4 - 11 3/8 (1508) 4 - 11 5/8 (1514) 4 - 11 1/8 (1501) 4 - 5 21/64 (1355)								
5 - 3 3/8 (1609) 5 - 3 5/8 (1616) 5 - 3 1/8 (1603) 4 - 9 21/64 (1456)								
5 - 11 3/8 (1812) 5 - 11 5/8 (1819) 5 - 11 1/8 (1806) 5 - 5 21/64 (1659)								

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

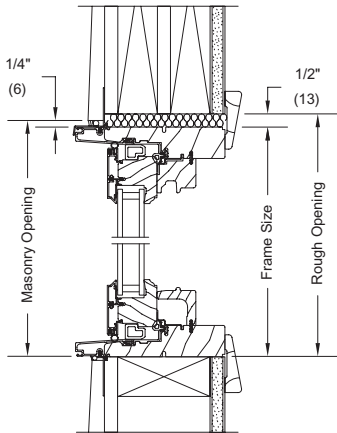
Awning / Awning Push Out

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

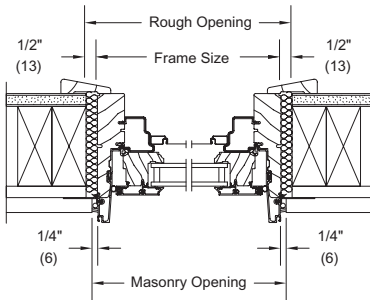
Awning



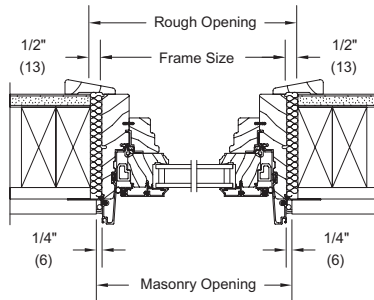
HEAD JAMB AND SILL - OPERATOR



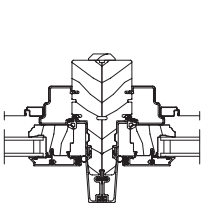
HEAD JAMB AND SILL - STATIONARY



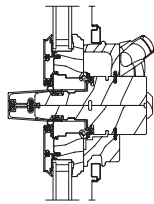
JAMB - OPERATOR



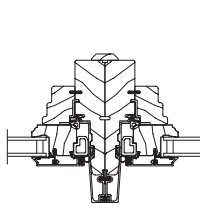
JAMB - STATIONARY



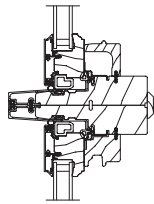
VERTICAL MULLION
OPERATOR



HORIZONTAL MULLION
OPERATOR



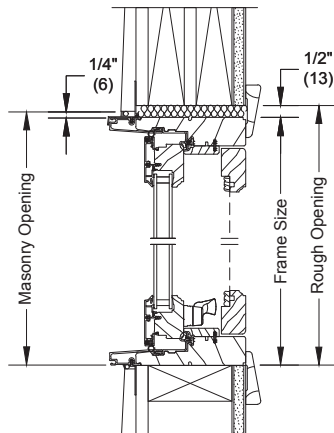
VERTICAL MULLION
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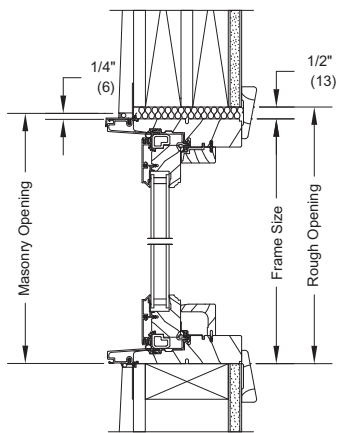
HORIZONTAL MULLION
STATIONARY

Awning Push Out

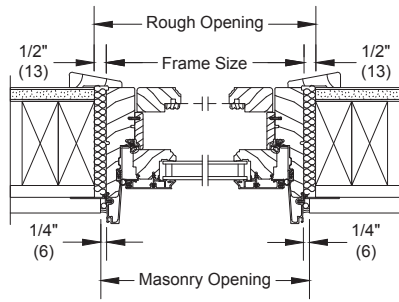
Construction Details



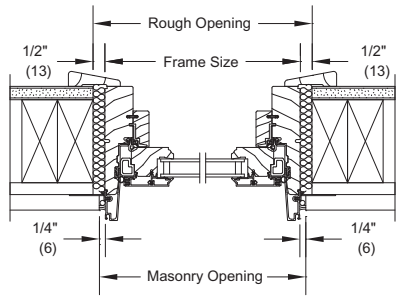
PUSH OUT
HEAD JAMB AND SILL - STATIONARY
WITH SWINGING SCREEN



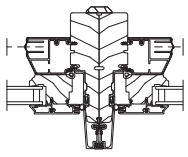
PUSH OUT
HEAD JAMB AND SILL - STATIONARY



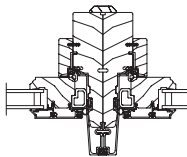
PUSH OUT
JAMB - OPERATOR
WITH SWINGING SCREEN



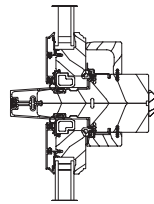
PUSH OUT
JAMB - STATIONARY



PUSH OUT OPERATOR
VERTICAL MULLION



PUSH OUT STATIONARY
VERTICAL MULLION



PUSH OUT STATIONARY
HORIZONTAL MULLION

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 - 1 9/16 (319) 1 - 1/16 (306) 0 - 5 5/16 (135)	 UWCAPOP 4012	 UWCAPOP 4812	 UWCAPOP 5612	 UWCAPOP 6012	 UWCAPOP 6412	 UWCAPOP 7212	 UWCAPOP 8012	 UWCAPOP 8812	 UWCAPOP 9612
1 - 3 7/8 (403) 1 - 2 9/16 (370) 1 - 2 1/16 (357) 0 - 7 5/16 (186)	 UWCAPOP 4014	 UWCAPOP 4814	 UWCAPOP 5614	 UWCAPOP 6014	 UWCAPOP 6414	 UWCAPOP 7214	 UWCAPOP 8014	 UWCAPOP 8814	 UWCAPOP 9614
1 - 5 7/8 (454) 1 - 4 9/16 (421) 1 - 4 1/16 (408) 0 - 9 5/16 (237)	 UWCAPOP 4016	 UWCAPOP 4816	 UWCAPOP 5616	 UWCAPOP 6016	 UWCAPOP 6416	 UWCAPOP 7216	 UWCAPOP 8016	 UWCAPOP 8816	 UWCAPOP 9616
1 - 7 7/8 (505) 1 - 6 9/16 (471) 1 - 6 1/16 (459) 0 - 11 5/16 (287)	 UWCAPOP 4018	 UWCAPOP 4818	 UWCAPOP 5618	 UWCAPOP 6018	 UWCAPOP 6418	 UWCAPOP 7218	 UWCAPOP 8018	 UWCAPOP 8818	 UWCAPOP 9618
1 - 9 7/8 (556) 1 - 8 9/16 (522) 1 - 8 1/16 (510) 1 - 1 5/16 (338)	 UWCAPOP 4020	 UWCAPOP 4820	 UWCAPOP 5620	 UWCAPOP 6020	 UWCAPOP 6420	 UWCAPOP 7220	 UWCAPOP 8020	 UWCAPOP 8820	 UWCAPOP 9620
2 - 1 7/8 (657) 2 - 9/16 (624) 2 - 1/16 (611) 1 - 5 5/16 (440)	 UWCAPOP 4024	 UWCAPOP 4824	 UWCAPOP 5624	 UWCAPOP 6024	 UWCAPOP 6424	 UWCAPOP 7224	 UWCAPOP 8024	 UWCAPOP 8824	 UWCAPOP 9624
2 - 5 7/8 (759) 2 - 4 9/16 (725) 2 - 4 1/16 (713) 1 - 9 5/16 (541)	 UWCAPOP 4028	 UWCAPOP 4828	 UWCAPOP 5628	 UWCAPOP 6028	 UWCAPOP 6428	 UWCAPOP 7228	 UWCAPOP 8028	 UWCAPOP 8828	 UWCAPOP 9628
2 - 9 7/8 (860) 2 - 8 9/16 (827) 2 - 8 1/16 (814) 2 - 1 5/16 (643)	 UWCAPOP 4032	 UWCAPOP 4832	 UWCAPOP 5632	 UWCAPOP 6032	 UWCAPOP 6432	 UWCAPOP 7232	 UWCAPOP 8032	 UWCAPOP 8832	 UWCAPOP 9632
3 - 1 7/8 (962) 3 - 9/16 (929) 3 - 1/16 (916) 2 - 5 5/16 (745)	 UWCAPOP 4036	 UWCAPOP 4836	 UWCAPOP 5636	 UWCAPOP 6036	 UWCAPOP 6436	 UWCAPOP 7236	 UWCAPOP 8036	 UWCAPOP 8836	 UWCAPOP 9636

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)	 UWCAPOP 4040	 UWCAPOP 4840	 UWCAPOP 5640	 UWCAPOP 6040	 UWCAPOP 6440	 UWCAPOP 7240	 UWCAPOP 8040	 UWCAPOP 8840	 UWCAPOP 9640
3 - 9 7/8 (1165) 3 - 8 9/16 (1132) 3 - 8 1/16 (1119) 3 - 1 5/16 (948)	 UWCAPOP 4044	 UWCAPOP 4844	 UWCAPOP 5644	 UWCAPOP 6044	 UWCAPOP 6444	 UWCAPOP 7244	 UWCAPOP 8044	 UWCAPOP 8844 T	 UWCAPOP 9644 T
4 - 1 7/8 (1267) 4 - 9/16 (1233) 4 - 1/16 (1221) 3 - 5 5/16 (1049)	 UWCAPOP 4048	 UWCAPOP 4848	 UWCAPOP 5648	 UWCAPOP 6048	 UWCAPOP 6448	 UWCAPOP 7248	 UWCAPOP 8048 T	 UWCAPOP 8848 T	 UWCAPOP 9648 T
4 - 7 7/8 (1419) 4 - 6 9/16 (1386) 4 - 6 1/16 (1373) 3 - 11 5/16 (1202)	 UWCAPOP 4054	 UWCAPOP 4854	 UWCAPOP 5654	 UWCAPOP 6054	 UWCAPOP 6454	 UWCAPOP 7254 T	 UWCAPOP 8054 T	 UWCAPOP 8854 T	 UWCAPOP 9654 T
4 - 9 7/8 (1470) 4 - 8 9/16 (1437) 4 - 8 1/16 (1424) 4 - 1 5/16 (1253)	 UWCAPOP 4056	 UWCAPOP 4856	 UWCAPOP 5656	 UWCAPOP 6056	 UWCAPOP 6456	 UWCAPOP 7256 T	 UWCAPOP 8056 T	 UWCAPOP 8856 T	 UWCAPOP 9656 T
5 - 1 7/8 (1572) 5 - 9/16 (1538) 5 - 1/16 (1526) 4 - 5 5/16 (1354)	 UWCAPOP 4060	 UWCAPOP 4860	 UWCAPOP 5660	 UWCAPOP 6060	 UWCAPOP 6460 T	 UWCAPOP 7260 T	 UWCAPOP 8060 T	 UWCAPOP 8860 T	 UWCAPOP 9660 T
5 - 5 7/8 (1673) 5 - 4 9/16 (1640) 5 - 4 1/16 (1627) 4 - 9 5/16 (1456)	 UWCAPOP 4064	 UWCAPOP 4864	 UWCAPOP 5664	 UWCAPOP 6064 T	 UWCAPOP 6464 T	 UWCAPOP 7264 T	 UWCAPOP 8064 T	 UWCAPOP 8864 T	 UWCAPOP 9664 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 72 1/16" or larger and units with a frame size of 25.2 ft² and larger.

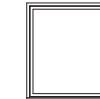
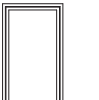
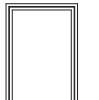
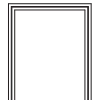
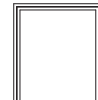
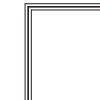
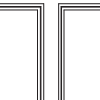
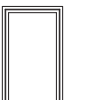
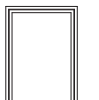
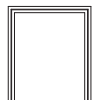
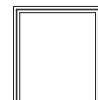
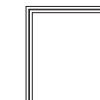
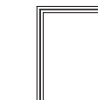
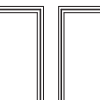
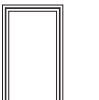
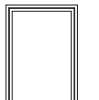
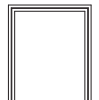
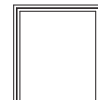
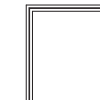
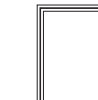
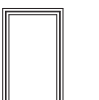
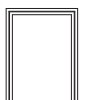
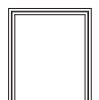
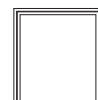
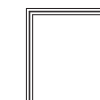
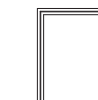
* Larger sizes require 1" insulating glass.

Please consult your local Marvin representative for more information.

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

ULTIMATE WOOD CASEMENT PICTURE: UWCAP
ULTIMATE WOOD CASEMENT PUSH OUT PICTURE: UWCAPOP

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 - 1/16 (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 72 72 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 - 6 1/16 (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 72 78 T* UWCAPOP 7278 T*	 UWCAP 8078 T* UWCAPOP 8078 T*	 UWCAP 8878 T* UWCAPOP 8878 T*	 UWCAP 9678 T* UWCAPOP 8878 T*
7 - 1 7/8 (2181) 7 - 9/16 (2148) 7 - 1/16 (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 - 1/16 (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*	

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.

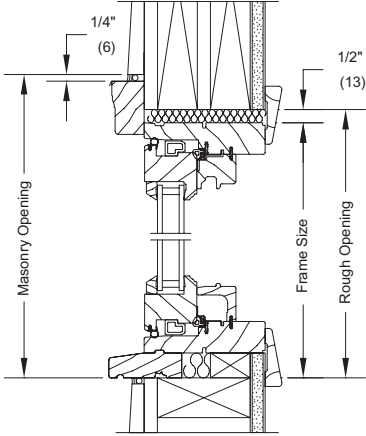
* Larger sizes require 1" insulating glass.

Please consult your local Marvin representative for more information.

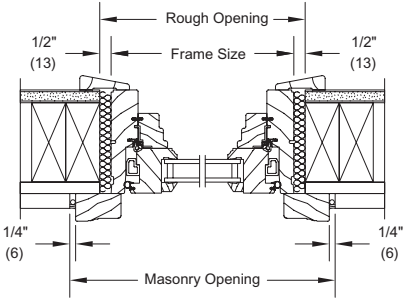
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

Wood Casement Picture / Wood Casement Push Out Picture

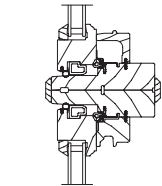
Construction Details



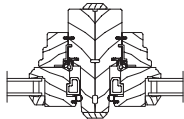
HEAD JAMB AND SILL - PICTURE



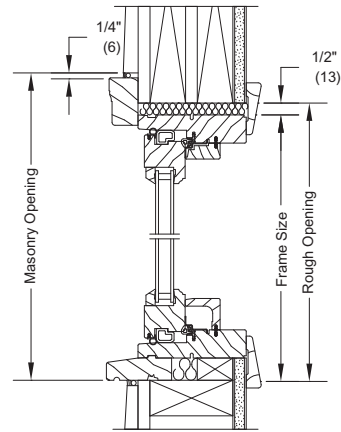
JAMB - PICTURE



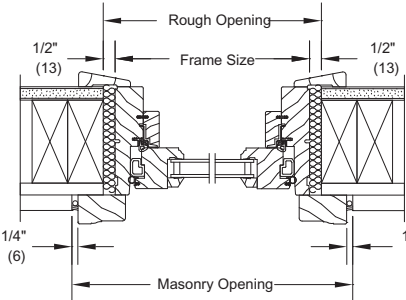
HORIZONTAL MULLION



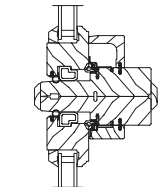
VERTICAL MULLION



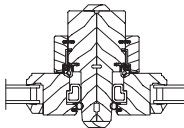
PUSH OUT
HEAD JAMB AND SILL - PICTURE



PUSH OUT
JAMB - PICTURE



PUSH OUT HORIZONTAL MULLION



PUSH OUT VERTICAL MULLION

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)	 UCAP4012 UCAPOP4012	 UCAP4812 UCAPOP4812	 UCAP5612 UCAPOP5612	 UCAP6012 UCAPOP6012	 UCAP6412 UCAPOP6412	 UCAP7212 UCAPOP7212	 UCAP8012 UCAPOP8012	 UCAP8812 UCAPOP8812	 UCAP9612 UCAPOP9612
0 - 11 5/8 (295)									
0 - 11 1/8 (283)									
0 - 5 21/64 (135)	 UCAP4014 UCAPOP4014	 UCAP4814 UCAPOP4814	 UCAP5614 UCAPOP5614	 UCAP6014 UCAPOP6014	 UCAP6414 UCAPOP6414	 UCAP7214 UCAPOP7214	 UCAP8014 UCAPOP8014	 UCAP8814 UCAPOP8814	 UCAP9614 UCAPOP9614
1 - 1 3/8 (339)									
1 - 1 5/8 (346)									
1 - 1 1/8 (333)	 UCAP4016 UCAPOP4016	 UCAP4816 UCAPOP4816	 UCAP5616 UCAPOP5616	 UCAP6016 UCAPOP6016	 UCAP6416 UCAPOP6416	 UCAP7216 UCAPOP7216	 UCAP8016 UCAPOP8016	 UCAP8816 UCAPOP8816	 UCAP9616 UCAPOP9616
1 - 3 3/8 (390)									
1 - 3 5/8 (396)									
1 - 3 1/8 (384)	 UCAP4018 UCAPOP4018	 UCAP4818 UCAPOP4818	 UCAP5618 UCAPOP5618	 UCAP6018 UCAPOP6018	 UCAP6418 UCAPOP6418	 UCAP7218 UCAPOP7218	 UCAP8018 UCAPOP8018	 UCAP8818 UCAPOP8818	 UCAP9618 UCAPOP9618
1 - 5 3/8 (441)									
1 - 5 5/8 (447)									
1 - 5 1/8 (434)	 UCAP4020 UCAPOP4020	 UCAP4820 UCAPOP4820	 UCAP5620 UCAPOP5620	 UCAP6020 UCAPOP6020	 UCAP6420 UCAPOP6420	 UCAP7220 UCAPOP7220	 UCAP8020 UCAPOP8020	 UCAP8820 UCAPOP8820	 UCAP9620 UCAPOP9620
1 - 7 3/8 (492)									
1 - 7 5/8 (498)									
1 - 7 1/8 (485)	 UCAP4024 UCAPOP4024	 UCAP4824 UCAPOP4824	 UCAP5624 UCAPOP5624	 UCAP6024 UCAPOP6024	 UCAP6424 UCAPOP6424	 UCAP7224 UCAPOP7224	 UCAP8024 UCAPOP8024	 UCAP8824 UCAPOP8824	 UCAP9624 UCAPOP9624
1 - 1 3/8 (339)									
1 - 1 21/64 (288)									
1 - 5 21/64 (440)	 UCAP4028 UCAPOP4028	 UCAP4828 UCAPOP4828	 UCAP5628 UCAPOP5628	 UCAP6028 UCAPOP6028	 UCAP6428 UCAPOP6428	 UCAP7228 UCAPOP7228	 UCAP8028 UCAPOP8028	 UCAP8828 UCAPOP8828	 UCAP9628 UCAPOP9628
1 - 11 3/8 (593)									
1 - 11 5/8 (600)									
1 - 11 1/8 (587)	 UCAP4054 UCAPOP4054	 UCAP4854 UCAPOP4854	 UCAP5654 UCAPOP5654	 UCAP6054 UCAPOP6054	 UCAP6454 UCAPOP6454	 UCAP7254 T UCAPOP7254 T	 UCAP8054 T UCAPOP8054 T	 UCAP8854 T UCAPOP8854 T	 UCAP9654 T UCAPOP9654 T
1 - 5 21/64 (440)									
1 - 5 21/64 (440)									
3 - 11 21/64 (1202)	 UCAP4056 UCAPOP4056	 UCAP4856 UCAPOP4856	 UCAP5656 UCAPOP5656	 UCAP6056 UCAPOP6056	 UCAP6456 UCAPOP6456	 UCAP7256 T UCAPOP7256 T	 UCAP8056 T UCAPOP8056 T	 UCAP8856 T UCAPOP8856 T	 UCAP9656 T UCAPOP9656 T
4 - 5 3/8 (1355)									
4 - 5 5/8 (1362)									
4 - 5 1/8 (1349)	 UCAP4058 UCAPOP4058	 UCAP4858 UCAPOP4858	 UCAP5658 UCAPOP5658	 UCAP6058 UCAPOP6058	 UCAP6458 UCAPOP6458	 UCAP7258 T UCAPOP7258 T	 UCAP8058 T UCAPOP8058 T	 UCAP8858 T UCAPOP8858 T	 UCAP9658 T UCAPOP9658 T
4 - 7 3/8 (1406)									
4 - 7 5/8 (1412)									
4 - 7 1/8 (1400)	 UCAP4040 UCAPOP4040	 UCAP4840 UCAPOP4840	 UCAP5640 UCAPOP5640	 UCAP6040 UCAPOP6040	 UCAP6440 UCAPOP6440	 UCAP7240 UCAPOP7240	 UCAP8040 UCAPOP8040	 UCAP8840 UCAPOP8840	 UCAP9640 T UCAPOP9640 T
4 - 1 21/64 (1253)									
3 - 11 21/64 (1202)									
3 - 7 3/8 (1101)	 UCAP4044 UCAPOP4044	 UCAP4844 UCAPOP4844	 UCAP5644 UCAPOP5644	 UCAP6044 UCAPOP6044	 UCAP6444 UCAPOP6444	 UCAP7244 UCAPOP7244	 UCAP8044 UCAPOP8044	 UCAP8844 T UCAPOP8844 T	 UCAP9644 T UCAPOP9644 T
3 - 7 5/8 (1108)									
3 - 7 1/8 (1095)									
3 - 1 21/64 (948)	 UCAP4036 UCAPOP4036	 UCAP4836 UCAPOP4836	 UCAP5636 UCAPOP5636	 UCAP6036 UCAPOP6036	 UCAP6436 UCAPOP6436	 UCAP7236 UCAPOP7236	 UCAP8036 UCAPOP8036	 UCAP8836 UCAPOP8836	 UCAP9636 UCAPOP9636
2 - 11 3/8 (898)									
2 - 11 5/8 (904)									
2 - 7 1/8 (790)	 UCAP4032 UCAPOP4032	 UCAP4832 UCAPOP4832	 UCAP5632 UCAPOP5632	 UCAP6032 UCAPOP6032	 UCAP6432 UCAPOP6432	 UCAP7232 UCAPOP7232	 UCAP8032 UCAPOP8032	 UCAP8832 UCAPOP8832	 UCAP9632 UCAPOP9632
2 - 7 1/8 (790)									
2 - 1 21/64 (643)									

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

Details and Elevations not to scale.

T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 72 1/8" or larger and units with a frame size of 25.2 ft² and larger.

* Larger sizes require 1" insulating glass.

Casement Picture / Casement Push Out Picture

(mm)	3 - 4 1/2 (1028)	4 - 1/2 (1232)	- 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)	 UCAP4032 UCAPOP4032	 UCAP4832 UCAPOP4832	 UCAP5632 UCAPOP5632	 UCAP6032 UCAPOP6032	 UCAP6432 UCAPOP6432	 UCAP7232 UCAPOP7232	 UCAP8032 UCAPOP8032	 UCAP8832 UCAPOP8832	 UCAP9632 UCAPOP9632
2 - 7 5/8 (803)									
2 - 7 1/8 (790)									
2 - 1 21/64 (643)									
2 - 11 3/8 (898)	 UCAP4036 UCAPOP4036	 UCAP4836 UCAPOP4836	 UCAP5636 UCAPOP5636	 UCAP6036 UCAPOP6036	 UCAP6436 UCAPOP6436	 UCAP7236 UCAPOP7236	 UCAP8036 UCAPOP8036	 UCAP8836 UCAPOP8836	 UCAP9636 UCAPOP9636
2 - 11 5/8 (904)									
2 - 11 1/8 (892)									
2 - 5 21/64 (745)									
3 - 3 3/8 (1000)	 UCAP4040 UCAPOP4040	 UCAP4840 UCAPOP4840	 UCAP5640 UCAPOP5640	 UCAP6040 UCAPOP6040	 UCAP6440 UCAPOP6440	 UCAP7240 UCAPOP7240	 UCAP8040 UCAPOP8040	 UCAP8840 UCAPOP8840	 UCAP9640 T UCAPOP9640 T
3 - 3 5/8 (1006)									
3 - 3 1/8 (993)									
2 - 9 21/64 (847)									
3 - 7 3/8 (1101)	 UCAP4044 UCAPOP4044	 UCAP4844 UCAPOP4844	 UCAP5644 UCAPOP5644	 UCAP6044 UCAPOP6044	 UCAP6444 UCAPOP6444	 UCAP7244 UCAPOP7244	 UCAP8044 UCAPOP8044	 UCAP8844 T UCAPOP8844 T	 UCAP9644 T UCAPOP9644 T
3 - 7 5/8 (1108)									
3 - 7 1/8 (1095)									
3 - 1 21/64 (948)									
3 - 11 3/8 (1203)	 UCAP4048 UCAPOP4048	 UCAP4848 UCAPOP4848	 UCAP5648 UCAPOP5648	 UCAP6048 UCAPOP6048	 UCAP6448 UCAPOP6448	 UCAP7248 UCAPOP7248	 UCAP8048 T UCAPOP8048 T	 UCAP8848 T UCAPOP8848 T	 UCAP9648 T UCAPOP9648 T
3 - 11 5/8 (1209)									
3 - 11 1/8 (1196)									
3 - 5 21/64 (1050)									
4 - 5 3/8 (1355)	 UCAP4054 UCAPOP4054	 UCAP4854 UCAPOP4854	 UCAP5654 UCAPOP5654	 UCAP6054 UCAPOP6054	 UCAP6454 UCAPOP6454	 UCAP7254 T UCAPOP7254 T	 UCAP8054 T UCAPOP8054 T	 UCAP8854 T UCAPOP8854 T	 UCAP9654 T UCAPOP9654 T
4 - 5 5/8 (1362)									
4 - 5 1/8 (1349)									
3 - 11 21/64 (1202)									
4 - 7 3/8 (1406)	 UCAP4056 UCAPOP4056	 UCAP4856 UCAPOP4856	 UCAP5656 UCAPOP5656	 UCAP6056 UCAPOP6056	 UCAP6456 UCAPOP6456	 UCAP7256 T UCAPOP7256 T	 UCAP8056 T UCAPOP8056 T	 UCAP8856 T UCAPOP8856 T	 UCAP9656 T UCAPOP9656 T
4 - 7 5/8 (1412)									
4 - 7 1/8 (1400)									
4 - 1 21/64 (1253)									

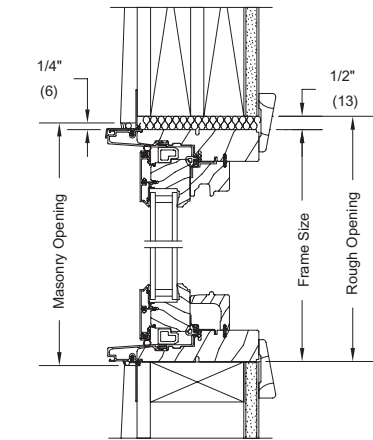
Casement Picture / Casement Push Out Picture

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) 4 - 11 1/8 (1501) 4 - 5 21/64 (1355)	 UCAP4060 UCAPOP4060	 UCAP4860 UCAPOP4860	 UCAP5660 UCAPOP5660	 UCAP6060 UCAPOP6060	 UCAP6460 T UCAPOP6460 T	 UCAP7260 T UCAPOP7260 T	 UCAP8060 T UCAPOP8060 T	 UCAP8860 T UCAPOP8860 T	 UCAP9660 T UCAPOP9660 T
5 - 3 3/8 (1609) 5 - 3 5/8 (1616) 5 - 3 1/8 (1603) 4 - 9 21/64 (1456)	 UCAP4064 UCAPOP4064	 UCAP4864 UCAPOP4864	 UCAP5664 UCAPOP5664	 UCAP6064 T UCAPOP6064 T	 UCAP6464 T UCAPOP6464 T	 UCAP7264 T UCAPOP7264 T	 UCAP8064 T UCAPOP8064 T	 UCAP8864 T UCAPOP8864 T	 UCAP9664 T UCAPOP9664 T
5 - 11 3/8 (1812) 5 - 11 5/8 (1819) 5 - 11 1/8 (1806) 5 - 5 21/64 (1659)	 UCAP4072 T UCAPOP4072 T	 UCAP4872 T UCAPOP4872 T	 UCAP5672 T UCAPOP5672 T	 UCAP6072 T UCAPOP6072 T	 UCAP6472 T UCAPOP6472 T	 UCAP7272 T* UCAPOP7272 T*	 UCAP8072 T* UCAPOP8072 T*	 UCAP8872 T* UCAPOP8872 T*	 UCAP9672 T* UCAPOP9672 T*
6 - 5 3/8 (1965) 6 - 5 5/8 (1971) 6 - 5 1/8 (1958) 5 - 11 21/64 (1812)	 UCAP4078 T UCAPOP4078 T	 UCAP4878 T UCAPOP4878 T	 UCAP5678 T UCAPOP5678 T	 UCAP6078 T UCAPOP6078 T	 UCAP6478 T UCAPOP6478 T	 UCAP7278 T* UCAPOP7278 T*	 UCAP8078 T* UCAPOP8078 T*	 UCAP8878 T* UCAPOP8878 T*	 UCAP9678 T* UCAPOP9678 T*
6 - 11 3/8 (2117) 6 - 11 5/8 (2124) 6 - 11 1/8 (2111) 6 - 5 21/64 (1964)	 UCAP4084 T UCAPOP4084 T	 UCAP4884 T UCAPOP4884 T	 UCAP5684 T UCAPOP5684 T	 UCAP6084 T UCAPOP6084 T	 UCAP6484 T UCAPOP6484 T	 UCAP7284 T* UCAPOP7284 T*	 UCAP8084 T* UCAPOP8084 T*	 UCAP8884 T* UCAPOP8884 T*	 UCAP9684 T* UCAPOP9684 T*
7 - 7 3/8 (2320) 7 - 7 5/8 (2327) 7 - 7 1/8 (2314) 7 - 1 21/64 (2167)	 UCAP4092 T UCAPOP4092 T	 UCAP4892 T UCAPOP4892 T	 UCAP5692 T UCAPOP5692 T	 UCAP6092 T UCAPOP6092 T	 UCAP6492 T UCAPOP6492 T	 UCAP7292 T* UCAPOP7292 T*	 UCAP8092 T* UCAPOP8092 T*	 UCAP8892 T* UCAPOP8892 T*	
7 - 11 3/8 (2422) 7 - 11 5/8 (2428) 7 - 11 1/8 (2416) 7 - 5 21/64 (2269)	 UCAP4096 T UCAPOP4096 T	 UCAP4896 T UCAPOP4896 T	 UCAP5696 T UCAPOP5696 T	 UCAP6096 T UCAPOP6096 T	 UCAP6496 T UCAPOP6496 T	 UCAP7296 T* UCAPOP7296 T*	 UCAP8096 T* UCAPOP8096 T*	 UCAP8896 T* UCAPOP8896 T*	

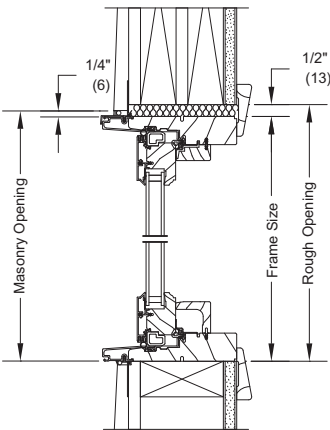
Details and Elevations not to scale.
T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 72 1/16" or larger and units with a frame size of 25.2 ft² and larger.
* Larger sizes require 1" insulating glass.

Casement Picture / Casement Push Out Picture

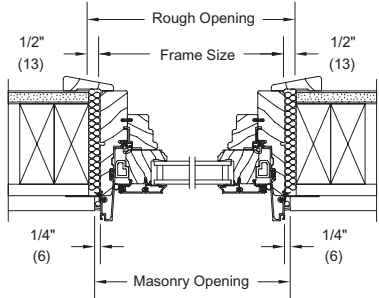
Construction Details



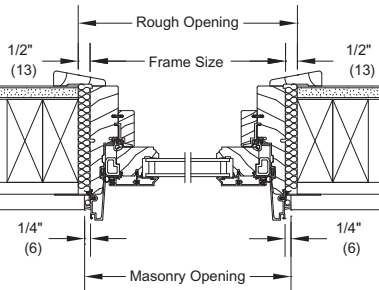
HEAD JAMB AND SILL - PICTURE



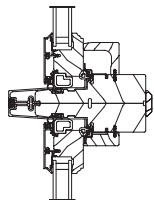
PUSH OUT HEAD JAMB AND SILL - PICTURE



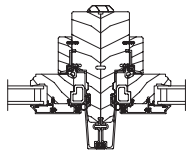
JAMB - PICTURE



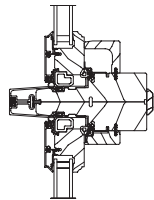
PUSH OUT JAMB - PICTURE



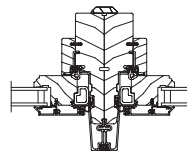
HORIZONTAL MULLION



VERTICAL MULLION



PUSH OUT HORIZONTAL MULLION PICTURE

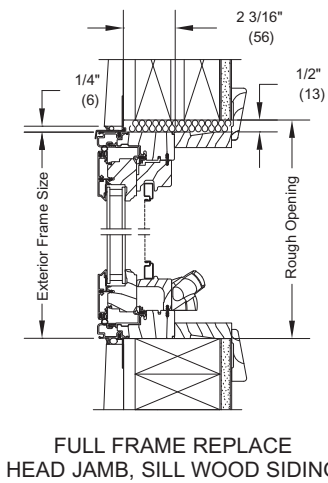
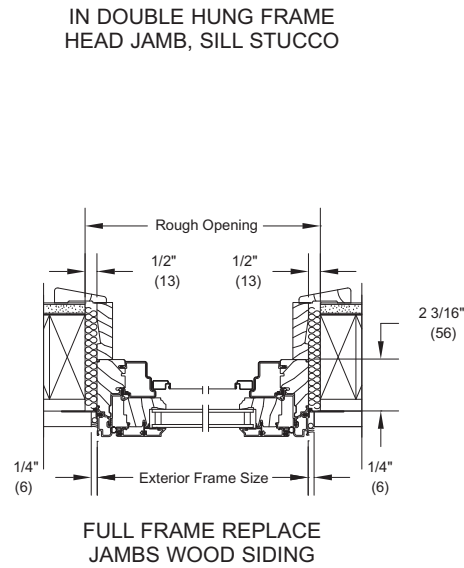
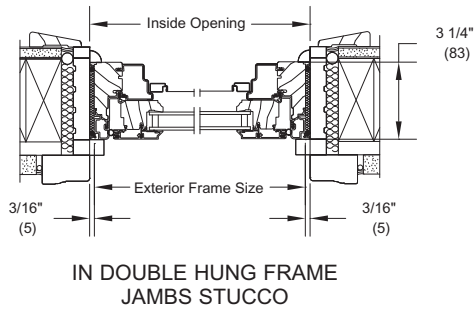
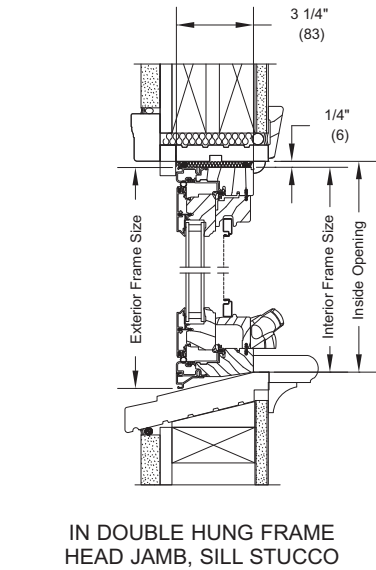
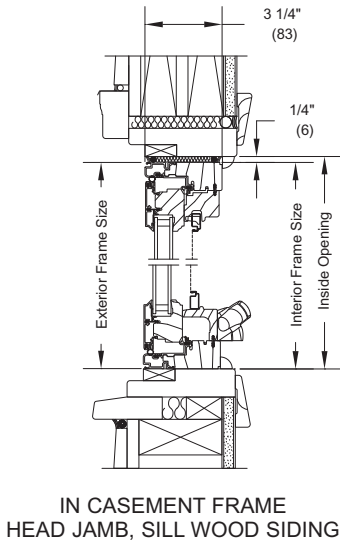
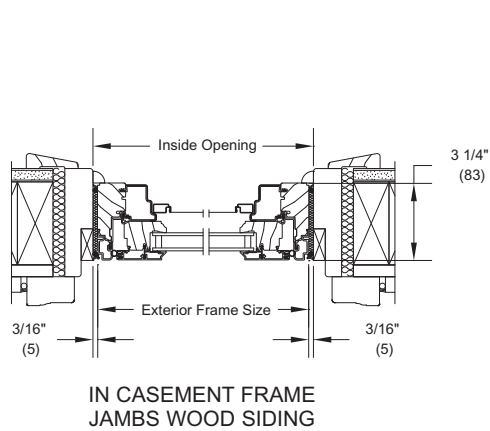


PUSH OUT VERTICAL MULLION PICTURE

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

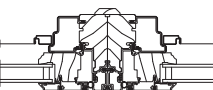
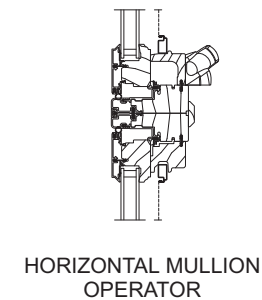
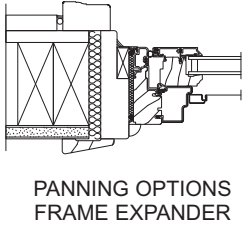
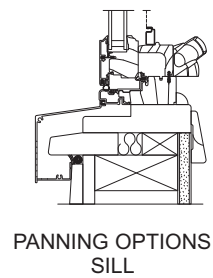
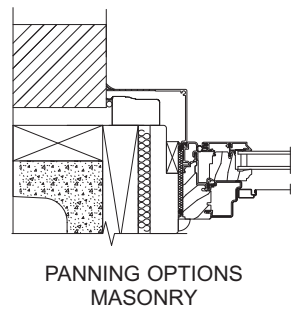
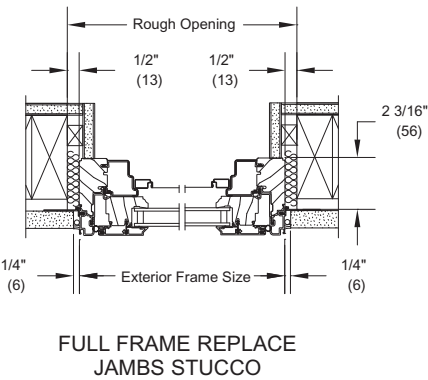
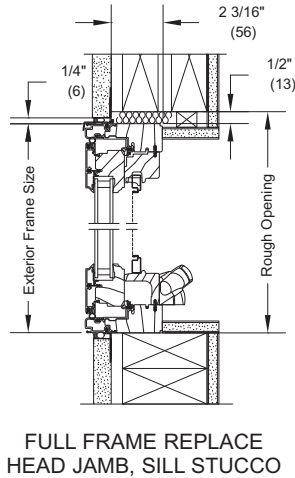
Casement Narrow Frame

Construction Details



Casement Narrow Frame

Construction Details



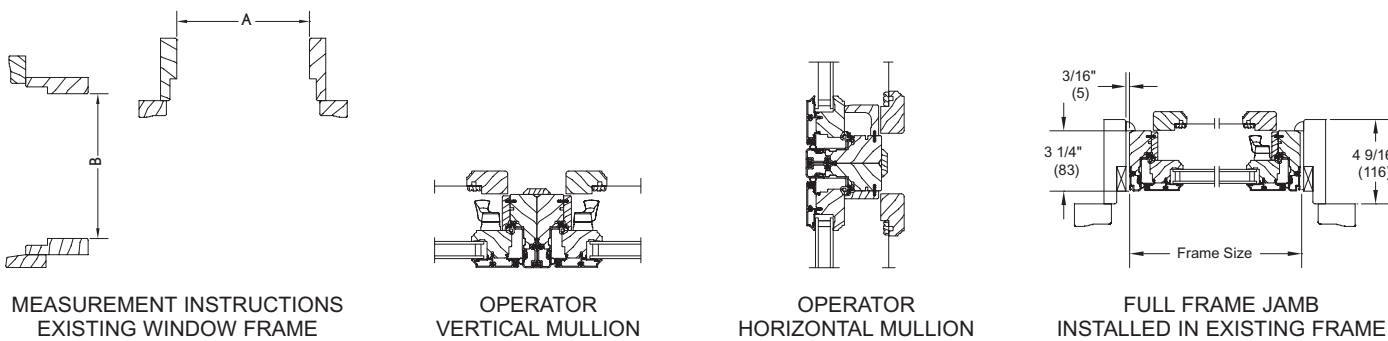
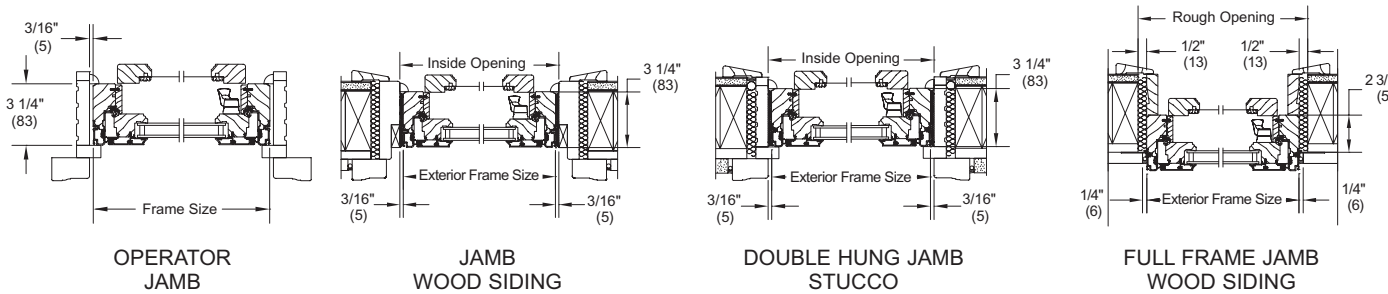
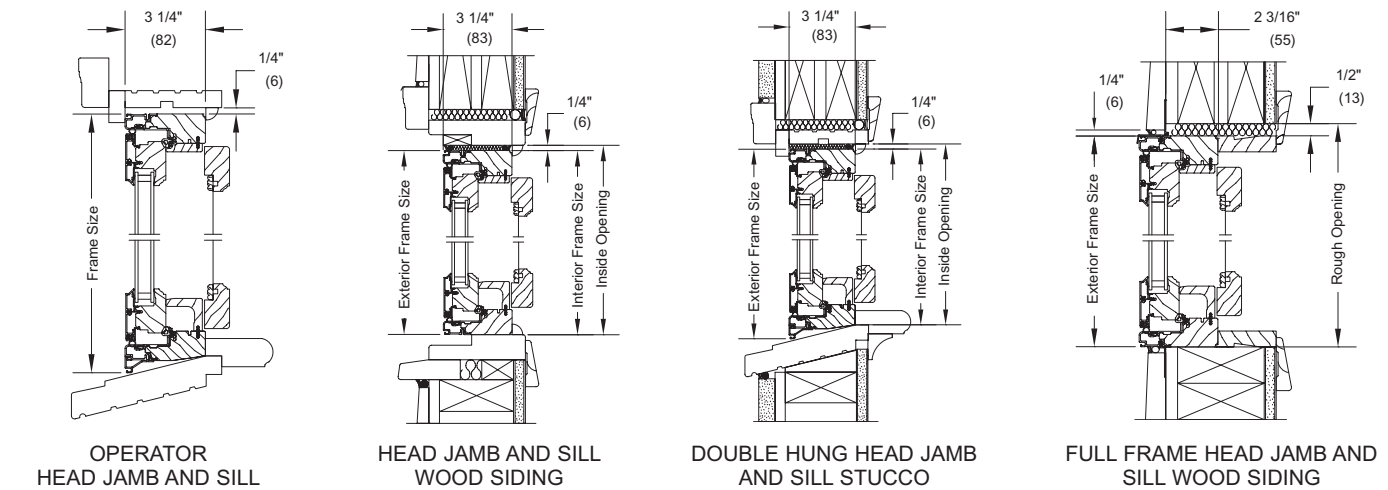
Details and Elevations not to scale.

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

Please consult your local Marvin representative for more information.
For further details and drawings visit the 'Technical Specifications' section at [Marvin.com](https://www.marvin.com).

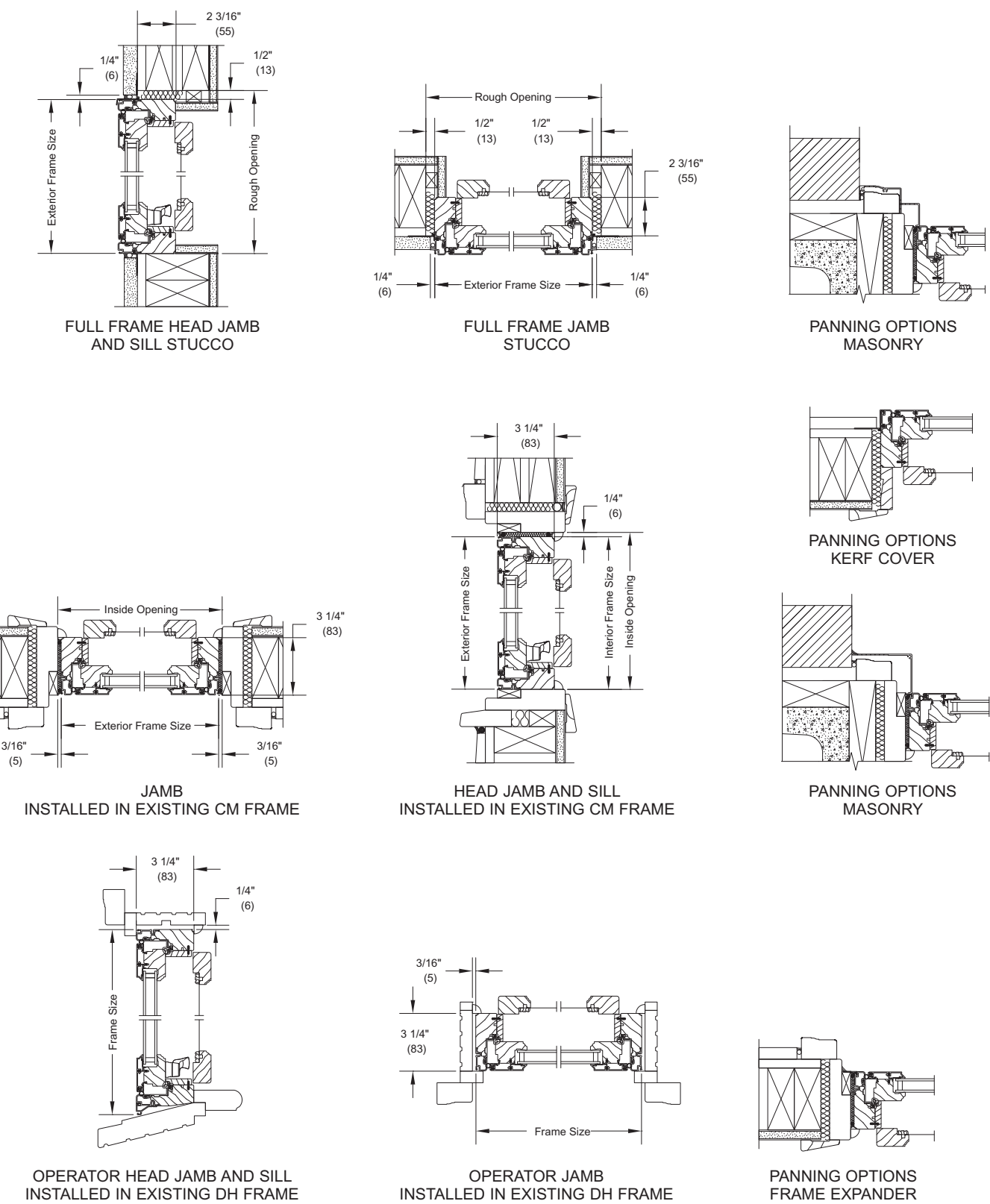
Casement Narrow Frame Push Out

Construction Details - With Screen



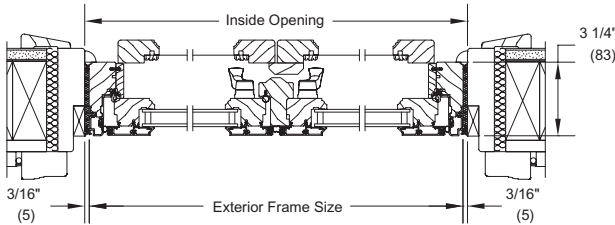
Casement Narrow Frame Push Out

Construction Details

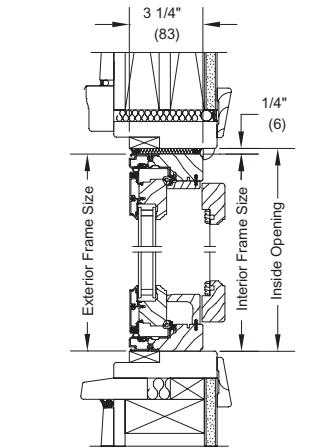


French Casement Narrow Frame Push Out

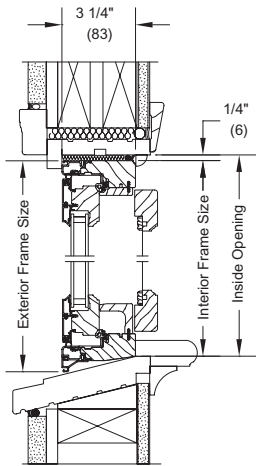
Construction Details - With Option Screen



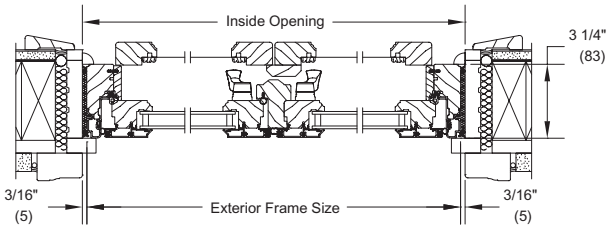
IN CASEMENT FRAME
JAMBS WOOD SIDING



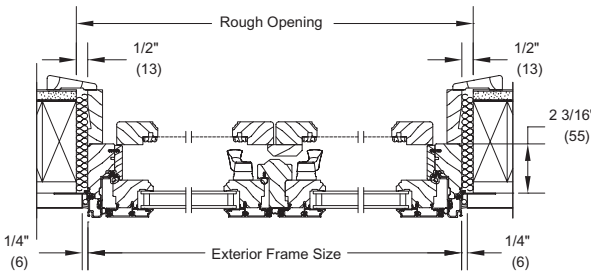
IN CASEMENT FRAME
HEAD JAMB, SILL WOOD SIDING



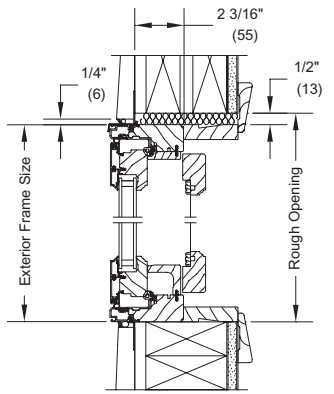
IN DOUBLE HUNG FRAME
HEAD JAMB, SILL STUCCO



IN DOUBLE HUNG FRAME
JAMBS STUCCO



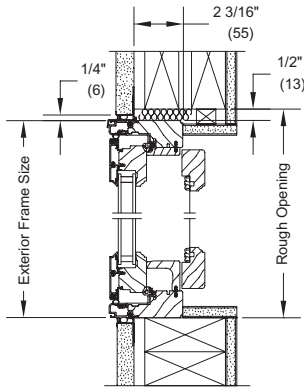
FULL FRAME REPLACE
JAMBS WOOD SIDING



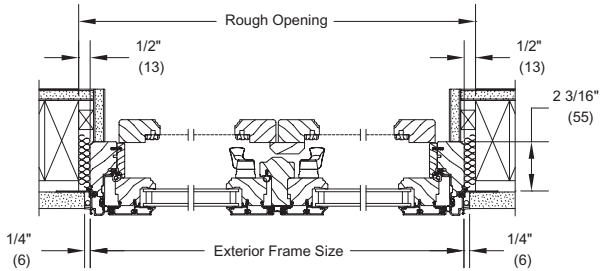
FULL FRAME REPLACE
HEAD JAMB, SILL WOOD SIDING

French Casement Narrow Frame Push Out

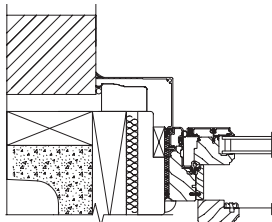
Construction Details



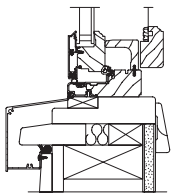
FULL FRAME REPLACE
HEAD JAMB, SILL STUCCO



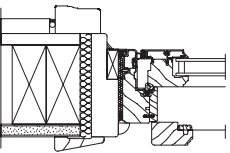
FULL FRAME REPLACE
JAMBS STUCCO



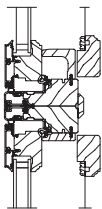
PANNING OPTIONS
MASONRY



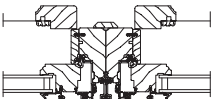
PANNING OPTIONS
SILL



PANNING OPTIONS
FRAME EXPANDER



HORIZONTAL MULLION
OPERATOR



VERTICAL MULLION
OPERATOR

Details and Elevations not to scale.

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

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.

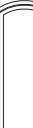
- Marvin exclusive wash mode is not available on Ultimate Casement Round Tops.
- Rough opening height includes ¹⁵/₁₆" subsill.

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 (1437)	 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 (1843)	 UWCART1672 T	 UWCART1872 T	 UWCART2072 T	 UWCART2472 T	 UWCART2672 T	 UWCART2872 T	 UWCART3072 T	 UWCART3272 T	 UWCART3672 T	 UWCART4072 T
6 - 6 9/16 (1996)	 UWCART1678 T	 UWCART1878 T	 UWCART2078 T	 UWCART2478 T	 UWCART2678 T	 UWCART2878 T	 UWCART3078 T	 UWCART3278 T	 UWCART3678 T	 UWCART4078 T

Details and Elevations not to scale.

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

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

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

Please consult your local Marvin representative for more information.

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

Wood Casement Round Top

RT6 Eyebrow Above Springline Standard Sizes - Operator and Stationary

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

Wood Casement Round Top

RT21 / RT22 Two Wide Standard Sizes - Operator and Stationary

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

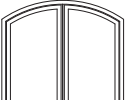
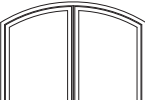
Details and Elevations not to scale.

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

E These windows meet national Egress codes for fire evacuation. Local codes may differ. Please consult your local Marvin representative for more information. For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

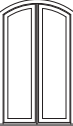
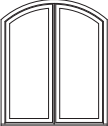
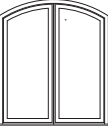
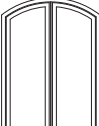
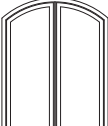
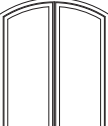
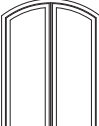
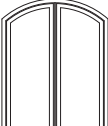
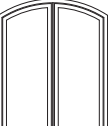
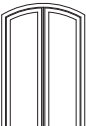
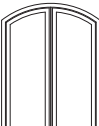
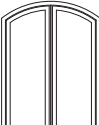
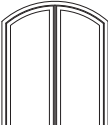
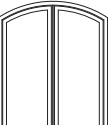
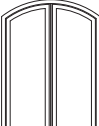
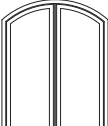
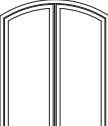
Wood Casement Round Top

RT21 / RT22 Two Wide Standard Sizes - Operator and Stationary

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

Wood Casement Round Top

RT21 / RT22 Two Wide Standard Sizes - Operator And Stationary

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

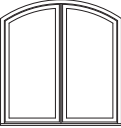
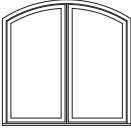
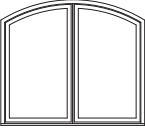
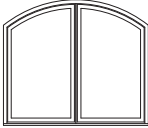
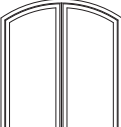
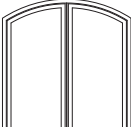
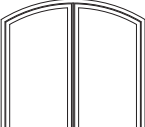
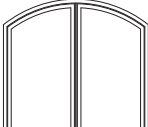
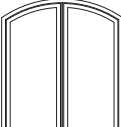
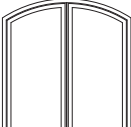
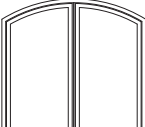
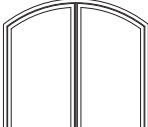
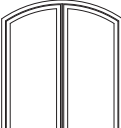
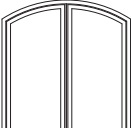
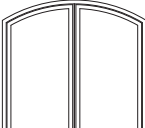
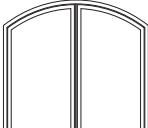
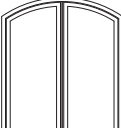
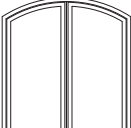
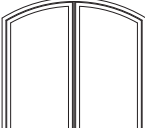
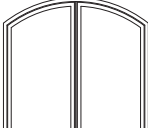
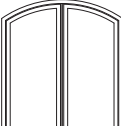
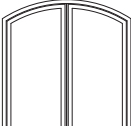
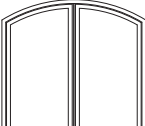
Details and Elevations not to scale.

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

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 transom, add 15/16" to height for subsill.

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

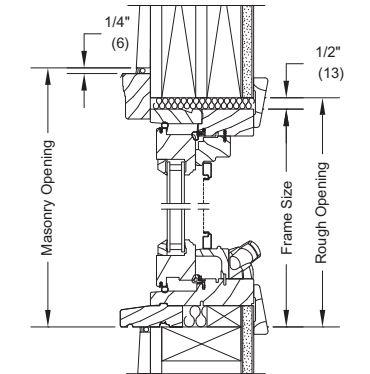
Wood Casement Round Top

RT2 Standard Sizes Operator and Stationary

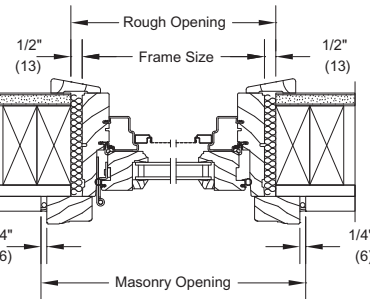
RO (mm)	2 - 1 (635)	2 - 3 (686)	2 - 5 (737)	2 - 7 (787)	2 - 9 (838)	3 - 1 (940)	3 - 5 (1041)
6 - 6 9/16 (1966)	 UWCART2478 T	 UWCART2678 T	 UWCART2878 T	 UWCART3078 T	 UWCART3278 T	 UWCART3678 T	 UWCART4078 T
7 - 9/16 (2148)	 UWCART2484 T	 UWCART2684 T	 UWCART2884 T	 UWCART3084 T	 UWCART3284 T	 UWCART3684 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

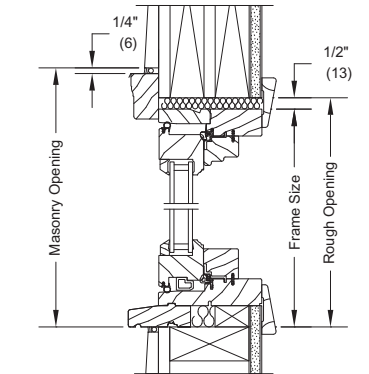
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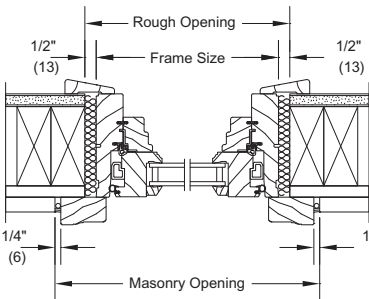
HEAD JAMB AND SILL - OPERATOR



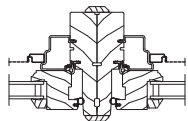
JAMB - OPERATOR



HEAD JAMB AND SILL - STATIONARY



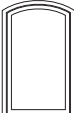
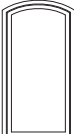
JAMB - STATIONARY



VERTICAL MULLION
OPERATOR

Wood Casement Transom Picture Round Top

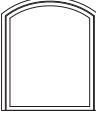
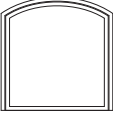
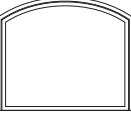
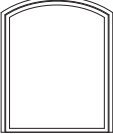
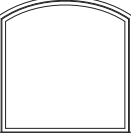
RT6 Standard Sizes Stationary Unit As Transom - In Sash

RO (mm)	2 - 1 (635)	2 - 3 (686)	2 - 5 (737)	2 - 7 (787)	2 - 9 (838)
1 - 6 1/2 (470)	 UWCATRRT2419	 UWCATRRT2619	 UWCATRRT2819	 UWCATRRT3019	 UWCATRRT3219
2 - 0 1/2 (622)	 UWCATRRT2423	 UWCATRRT2623	 UWCATRRT2823	 UWCATRRT3023	 UWCATRRT3223
3 - 0 1/2 (927)	 UWCATRRT2435	 UWCATRRT2635	 UWCATRRT2835	 UWCATRRT3035	 UWCATRRT3235
4 - 0 1/2 (1232)	 UWCATRRT2447	 UWCATRRT2647	 UWCATRRT2847	 UWCATRRT3047	 UWCATRRT3247
5 - 0 1/2 (1537)	 UWCATRRT2459	 UWCATRRT2659	 UWCATRRT2859	 UWCATRRT3059	 UWCATRRT3259
6 - 0 1/2 (1842)	 UWCATRRT2471 T	 UWCATRRT2671 T	 UWCATRRT2871 T	 UWCATRRT3071 T	 UWCATRRT3271 T

ULTIMATE WOOD CASEMENT TRANSOM PICTURE ROUND TOP: UWCATRRT

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)	 UWCATRRT3619	 UWCATRRT4019	 UWCATRRT4819	 UWCATRRT5619	 UWCATRRT7219
2 - 0 1/2 (622)	 UWCATRRT3623	 UWCATRRT4023	 UWCATRRT4823	 UWCATRRT5623	 UWCATRRT7223
3 - 0 1/2 (927)	 UWCATRRT3635	 UWCATRRT4035	 UWCATRRT4835	 UWCATRRT5635	 UWCATRRT7235
4 - 0 1/2 (1232)	 UWCATRRT3647	 UWCATRRT4047	 UWCATRRT4847	 UWCATRRT5647	 UWCATRRT7247
5 - 0 1/2 (1537)	 UWCATRRT3659	 UWCATRRT4059	 UWCATRRT4859	 UWCATRRT5659	 UWCATRRT7259
6 - 0 1/2 (1842)	 UWCATRRT3671 T	 UWCATRRT4071 T	 UWCATRRT4871 T	 UWCATRRT5671 T	 UWCATRRT7271 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)
1 - 1 7/16 (341)	 UWCART2412	1 - 3 7/16 (392)  UWCART2814	1 - 5 7/16 (443)  UWCART3216	1 - 7 7/16 (494)  UWCART3218
RO (mm)		RO (mm)	RO (mm)	RO (mm)
RO (mm)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)
1 - 9 7/16 (545)	 UWCART4020	2 - 1 7/16 (646)  UWCART4824	2 - 5 7/16 (748)  UWCART5628	2 - 7 7/16 (799)  UWCART6030
RO (mm)		RO (mm)	RO (mm)	RO (mm)
RO (mm)	5 - 5 (1651)	6 - 1 (1854)	7 - 1 (2159)	8 - 1 (2464)
2 - 9 7/16 (849)	 UWCART6432	3 - 1 7/16 (951)  UWCART7236	3 - 7 7/16 (1103)  UWCART8442	4 - 1 7/16 (1256)  UWCART9648
RO (mm)		RO (mm)	RO (mm)	RO (mm)
RO (mm)	9 - 1 (2769)		10 - 1 (3073)	
	4 - 7 7/16 (1408)  UWCART10854		5 - 1 7/16 (1561)  UWCART12060	
	RO (mm)		RO (mm)	

RT29 Standard Sizes - In Sash

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

ULTIMATE WOOD CASEMENT PICTURE ROUND TOP: UWCART

Wood Direct Glaze Round Top - Casement

Quarter Circle

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

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

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)
2 - 1 (635)	 UWCART 2750	3 - 1 (940)  UWCART 3950	4 - 1 (1245)  UWCART 5150	5 - 1 (1549)  UWCART 6350	6 - 1 (1854)  UWCART 7550
RO (mm)		RO (mm)	RO (mm)	RO (mm)	RO (mm)

Ellipse

RT28 Standard Sizes - In Sash

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

Wood Direct Glaze Round Top - Casement

RT6 Eyebrow Above Springline Standard Sizes - Direct Glaze

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

ULTIMATE WOOD DIRECT GLAZE ROUND TOP: UWDGRT

Wood Direct Glaze Round Top - Casement

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

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

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 (287)	 UWDGRT2010	 UWDGRT 2412	 UWDGRT 2814	 UWDGRT 3216	 UWDGRT 3618
RO (mm)					
RO (mm)	1 - 0 1/2 (318)	1 - 2 1/2 (368)	1 - 4 1/2 (419)	1 - 6 1/2 (470)	
RO (mm)					
RO (mm)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)	5-5 (1651)
1 - 8 1/2 (521)	 UWDGRT4020	 UWDGRT4824	 UWDGRT5628	 UWDGRT6026	 UWDGRT6432
RO (mm)					
RO (mm)	2 - 0 1/2 (622)	2 - 4 1/2 (724)	2 - 6 1/2 (775)	2 - 8 1/2 (826)	
RO (mm)					
RO (mm)	6 - 1 (1854)	7 - 1 (2159)	8 -1 (2464)		
3 - 0 1/2 (927)	 UWDGRT7236	 UWDGRT8442	 UWDGRT9648		
RO (mm)					
RO (mm)		3 - 6 1/2 (1080)	4 - 0 1/2 (1232)		
RO (mm)					

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
RO (mm)					

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

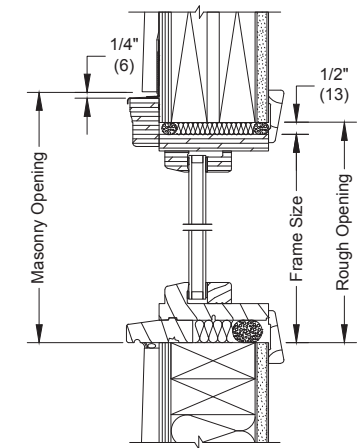
RT27 Full Circle Standard Sizes - Direct Glaze

RO (mm)	2-1 1/2 (648)	3-1 1/2 (953)	4-1 1/2 (1257)
RO (mm)	2-1 1/2 (648)	3-1 1/2 (953)	4-1 1/2 (1257)
	 UWDGRT 2750	 UWDGRT 3950	 UWDGRT 5150

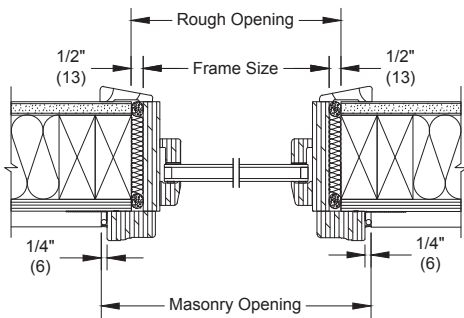
RT28 Ellipse Standard Sizes - Direct Glaze

RO (mm)	2-1 (635)	2-9 (838)	3-5 (1041)
RO (mm)	3-1 (940)	4-1 (1245)	5-1 (1549)
	 UWDGRT 2436	 UWDGRT 3248	 UWDGRT 4060

Construction Details



HEAD JAMB AND SILL - DIRECT GLAZE



JAMB - DIRECT GLAZE

Casement Round Top

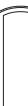
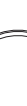
RTT Eyebrow Above Springline Standard Sizes - Operator and Stationary

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 - 7 5/8 (803)	 UCART1632	 UCART1832	 UCART2032						
2 - 11 5/8 (905)	 UCART1636	 UCART1836	 UCART2036	 UCART2436					
3 - 3 5/8 (1008)	 UCART1640	 UCART1840	 UCART2040	 UCART2440	 UCART2640	 UCART2840			
3 - 7 5/8 (1109)	 UCART1644	 UCART1844	 UCART2044	 UCART2444	 UCART2644	 UCART2844 E	 UCART3044 E		
3 - 11 5/8 (1210)	 UCART1648	 UCART1848	 UCART2048	 UCART2448	 UCART2648 E	 UCART2848 E	 UCART3048 E	 UCART3248 E	
4 - 5 5/8 (1362)	 UCART1654	 UCART1854	 UCART2054	 UCART2454	 UCART2654 E	 UCART2854 E	 UCART3054 E	 UCART3254 E	 UCART3654 E

ULTIMATE CASEMENT ROUND TOP: UCART

Casement Round Top

RT6 Eyebrow Above Springline Standard Sizes - Operator and Stationary

RO (mm)	1 - 5 (432)	1 - 7 (483)	1 - 9 (533)	2 - 1 (635)	2 - 3 (686)	2 - 5 (737)	2 - 7 (787)	2 - 9 (838)	3 - 1 (940)	3 - 5 (1041)
4 - 7 5/8 (1413)	 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.

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.

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

Please consult your local Marvin representative for more information.

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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.

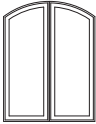
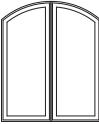
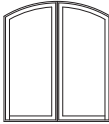
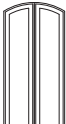
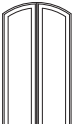
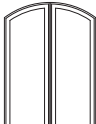
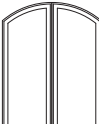
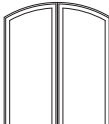
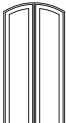
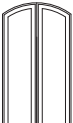
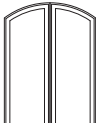
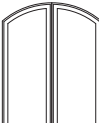
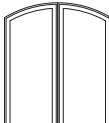
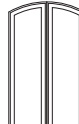
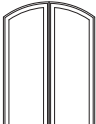
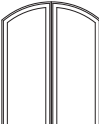
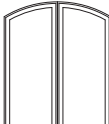
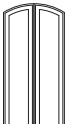
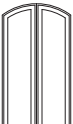
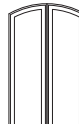
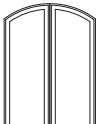
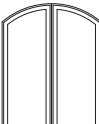
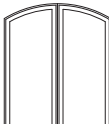
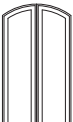
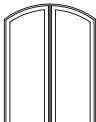
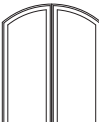
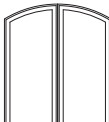
E These windows meet national Egress codes for fire evacuation. Local codes may differ.

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.

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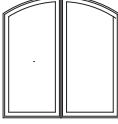
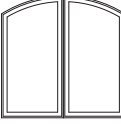
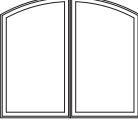
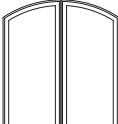
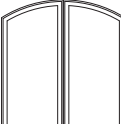
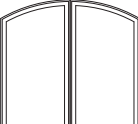
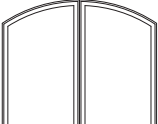
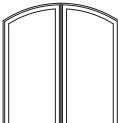
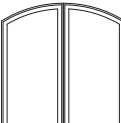
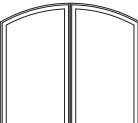
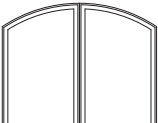
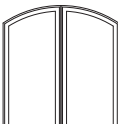
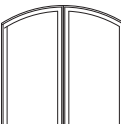
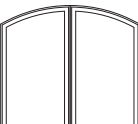
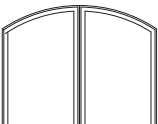
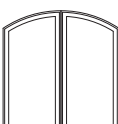
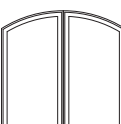
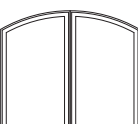
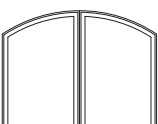
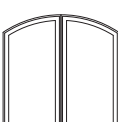
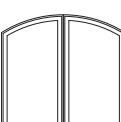
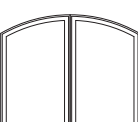
Casement Round Top

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

Casement Round Top

RT21 / RT22 Two Wide Standard Sizes - Operator And Stationary

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

Details and Elevations not to scale.

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

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

Casement Round Top

RT2 Standard Sizes - Operator And Stationary

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

Casement Round Top

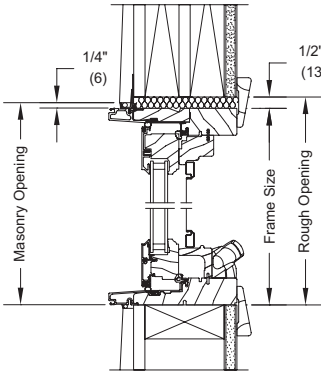
RT2 Standard Sizes - Operator And Stationary

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

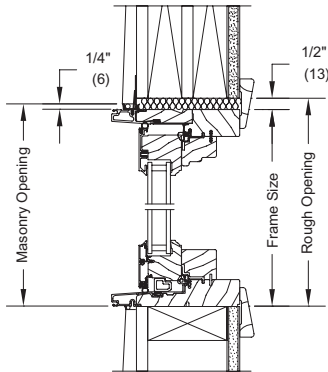
Details and Elevations not to scale.
T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with basic frame size 25.2 ft². Please consult your local Marvin representative for more information.
For further details and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

Casement Round Top

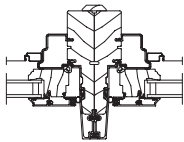
Construction Details



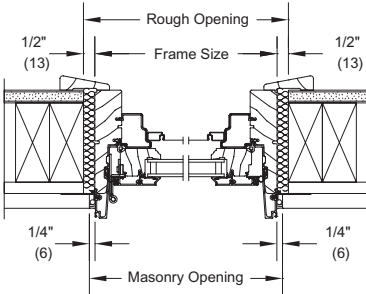
HEAD JAMB AND SILL - OPERATOR



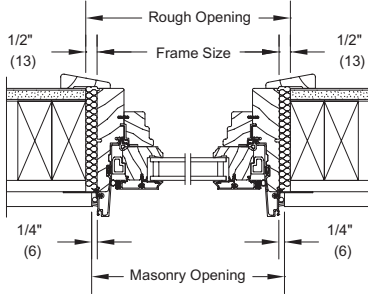
HEAD JAMB AND SILL - STATIONARY



VERTICAL MULLION OPERATOR



JAMB - OPERATOR



JAMB - STATIONARY

Casement Picture Round Top

RT6 Standard Sizes Stationary Units as Picture - In Sash

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

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

ULTIMATE CASEMENT PICTURE ROUND TOP: UCAPRT

Casement Picture Round Top

RT6 Standard Sizes Stationary Units as Picture - In Sash

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

Details and Elevations not to scale.

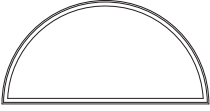
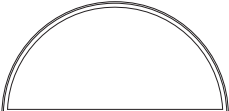
- Units with basic frame size 25.2 ft² and larger may require tempered glass.

Please consult your local Marvin representative for more information.

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

Casement Picture Round Top

RT1 Standard Sizes - In Sash

RO (mm)	2 - 1 (635)	2 - 5 (737)	2 - 9 (838)	3 - 1 (940)
1 - 0 1/2 (318)	 UCART2412	 UCART2814	 UCART3216	 UCART3218
1 - 2 1/2 (388)				
3 - 5 (1041)	 UCART4020	 UCART4824	 UCART5628	 UCART6030
1 - 8 1/2 (521)				
2 - 0 1/2 (622)				
2 - 4 1/2 (724)				
2 - 6 1/2 (775)				
5 - 5 (1651)	 UCART6432	 UCART7236	 UCART8442	 UCART9648
2 - 8 1/2 (826)				
3 - 0 1/2 (927)				
3 - 6 1/2 (1080)				
4 - 0 1/2 (1232)				
9 - 1 (2769)	 UCART10854			 UCART12060
4 - 6 1/2 (1384)				
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

Casement Picture Round Top

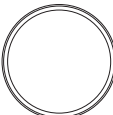
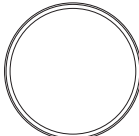
Quarter Circle

RT15 / 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)
1-0 1/2 (318)	 UDGRT2411	 UDGRT2811	 UDGRT3211	 UDGRT3611	 UDGRT4011			
1-6 1/2 (470)	 UDGRT2419	 UDGRT2819	 UDGRT3219	 UDGRT3619	 UDGRT4019	 UDGRT4819	 UDGRT5619	 UDGRT7219
2-0 1/2 (622)	 UDGRT2423	 UDGRT2823	 UDGRT3223	 UDGRT3623	 UDGRT4023	 UDGRT4823	 UDGRT5623	 UDGRT7223
3-0 1/2 (927)	 UDGRT2435	 UDGRT2835	 UDGRT3235	 UDGRT3635	 UDGRT4035	 UDGRT4835	 UDGRT5635	 UDGRT7235
4-0 1/2 (1232)	 UDGRT2447	 UDGRT2847	 UDGRT3247	 UDGRT3647	 UDGRT4047	 UDGRT4847	 UDGRT5647	 UDGRT7247
5-0 1/2 (1537)	 UDGRT2459	 UDGRT2859	 UDGRT3259	 UDGRT3659	 UDGRT4059	 UDGRT4859	 UDGRT5659	 UDGRT7259
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

Direct Glaze Round Top - Casement

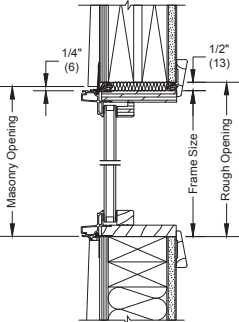
RT1 True Half Circle Standard Sizes - Direct Glaze

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

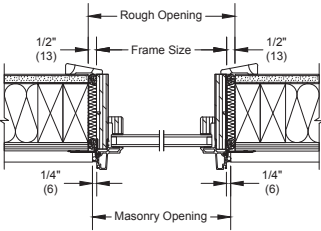
RT29 Standard Sizes - Direct Glaze

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

Construction Details



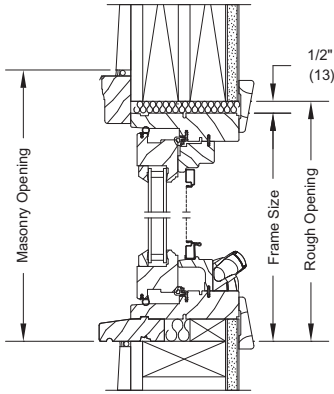
HEAD JAMB AND SILL - DIRECT GLAZE



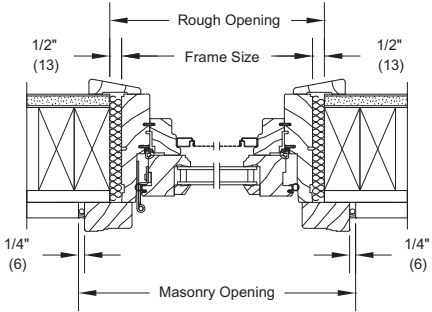
JAMB - DIRECT GLAZE

Casement Polygon

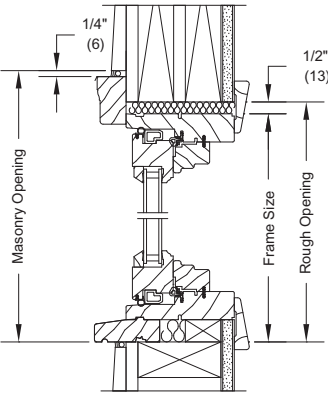
Construction Details



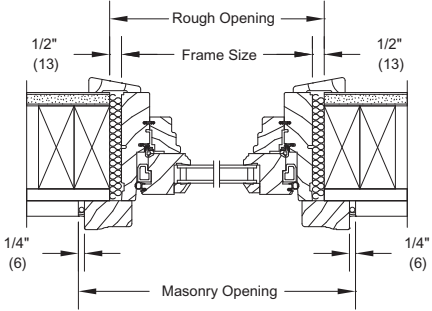
HEAD JAMB AND SILL - OPERATOR



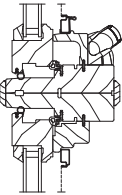
JAMB - OPERATOR



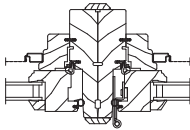
HEAD JAMB AND SILL - STATIONARY



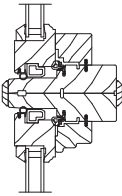
JAMB - STATIONARY



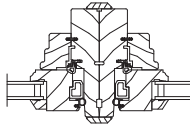
HORIZONTAL MULLION OPERATOR



VERTICAL MULLION OPERATOR



HORIZONTAL MULLION STATIONARY

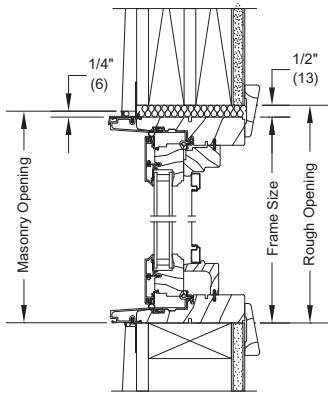


VERTICAL MULLION STATIONARY

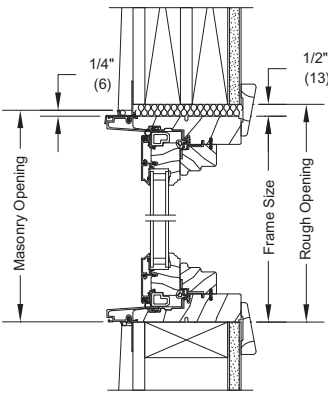
Details and Elevations not to scale.
Please consult your local Marvin representative for more information.
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

Casement Polygon

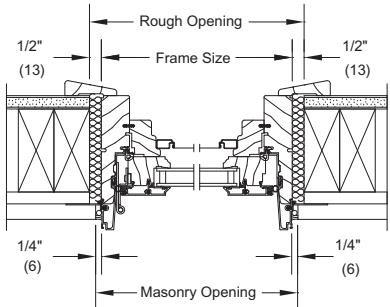
Construction Details



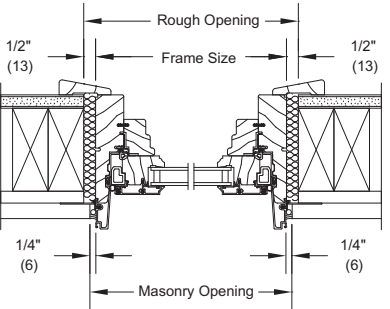
HEAD JAMB AND SILL - OPERATOR



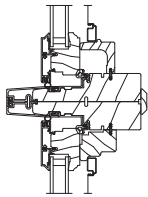
HEAD JAMB AND SILL - STATIONARY



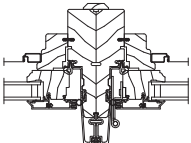
JAMB - OPERATOR



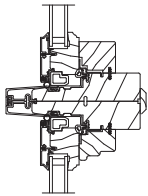
JAMB - STATIONARY



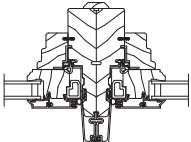
HORIZONTAL MULLION OPERATOR



VERTICAL MULLION OPERATOR



HORIZONTAL MULLION STATIONARY



VERTICAL MULLION STATIONARY

Casement Venting Picture

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)								
2 - 11 5/8 (904)								
3 - 3 5/8 (1000)								
3 - 3 1/8 (993)								
2 - 5 21/64 (745)								
3 - 3 3/8 (1000)								
3 - 3 5/8 (1006)								
3 - 3 1/8 (993)								
2 - 9 21/64 (847)								
3 - 7 3/8 (1101)								
3 - 7 5/8 (1108)								
3 - 7 1/8 (1095)								
3 - 1 21/64 (948)								
3 - 11 3/8 (1203)								
3 - 11 5/8 (1209)								
3 - 11 1/8 (1196)								
3 - 5 21/64 (1050)								
4 - 5 3/8 (1355)								
4 - 5 5/8 (1362)								
4 - 5 1/8 (1349)								
3 - 11 21/64 (1202)								
4 - 7 3/8 (1406)								
4 - 7 5/8 (1412)								
4 - 7 1/8 (1400)								
4 - 1 21/64 (1253)								
4 - 11 3/8 (1508)								
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 (888) 2 - 11 5/8 (904) 2 - 11 1/8 (892) 2 - 5 21/64 (745)	 UCAVP3636	 UCAVP4036	 UCAVP4836*	 UCAVP5636*	 UCAVP6036*	 UCAVP6436*	 UCAVP7236*
3 - 3 3/8 (1000) 3 - 3 5/8 (1006) 3 - 3 1/8 (993) 2 - 9 21/64 (847)	 UCAVP3640	 UCAVP4040	 UCAVP4840*	 UCAVP5640*	 UCAVP6040*	 UCAVP6440*	 UCAVP7240*
3 - 7 3/8 (1101) 3 - 7 5/8 (1108) 3 - 7 1/8 (1095) 3 - 1 21/64 (948)	 UCAVP3644	 UCAVP4044	 UCAVP4844*	 UCAVP5644*	 UCAVP6044*	 UCAVP6444*	 UCAVP7244*
3 - 11 3/8 (1203) 3 - 11 5/8 (1209) 3 - 11 1/8 (1196) 3 - 5 21/64 (1050)	 UCAVP3648	 UCAVP4048	 UCAVP4848	 UCAVP5648*	 UCAVP6048*	 UCAVP6448*	 UCAVP7248*
4 - 5 3/8 (1355) 4 - 5 5/8 (1362) 4 - 5 1/8 (1349) 3 - 11 21/64 (1202)	 UCAVP3654	 UCAVP4054	 UCAVP4854	 UCAVP5654*	 UCAVP6054*	 UCAVP6454*	 UCAVP7254*
4 - 7 3/8 (1406) 4 - 7 5/8 (1412) 4 - 7 1/8 (1400) 4 - 1 21/64 (1253)	 UCAVP3656	 UCAVP4056	 UCAVP4856	 UCAVP5656*	 UCAVP6056*	 UCAVP6456*	 UCAVP7256*
4 - 11 3/8 (1508) 4 - 11 5/8 (1514) 4 - 11 1/8 (1501) 4 - 5 21/64 (1355)	 UCAVP3660	 UCAVP4060	 UCAVP4860	 UCAVP5660*	 UCAVP6060*	 UCAVP6460*	 UCAVP7260*

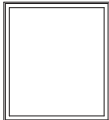
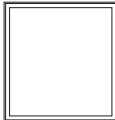
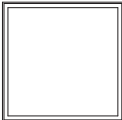
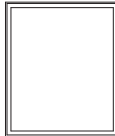
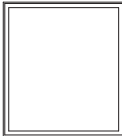
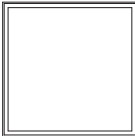
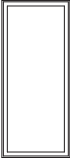
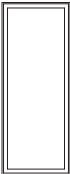
Details and Elevations not to scale.
*Units will have structural cable on the head and sill.
Please consult your local Marvin representative for more information.
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

Casement Venting Picture

MO (mm)	1 - 4 1/2 (419)	1 - 6 1/2 (470)	1 - 8 1/2 (521)	2 - 0 1/2 (622)	2 - 2 1/2 (673)	2 - 4 1/2 (724)	2 - 6 1/2 (775)	2 - 8 1/2 (826)
RO (mm)	1 - 5 (492)	1 - 7 (483)	1 - 9 (533)	2 - 1 (635)	2 - 3 (686)	2 - 5 (737)	2 - 7 (787)	2 - 9 (838)
FS (mm)	1 - 4 (406)	1 - 6 (457)	1 - 8 (508)	2 - 0 (610)	2 - 2 (660)	2 - 4 (711)	2 - 6 (762)	2 - 8 (813)
DLO (mm)	0 - 10 3/16 (259)	1 - 0 3/16 (310)	1 - 2 3/16 (360)	1 - 6 3/16 (462)	1 - 8 3/16 (513)	1 - 10 3/16 (564)	2 - 0 3/16 (614)	2 - 2 3/16 (665)
5 - 3 3/8 (1609) 5 - 3 5/8 (1616) 5 - 3 1/8 (1603) 4 - 9 21/64 (1456)	 UCAVP1664	 UCAVP1864	 UCAVP2064	 UCAVP2464	 UCAVP2664	 UCAVP2864	 UCAVP3064	 UCAVP3264
5 - 11 3/8 (1812) 5 - 11 5/8 (1819) 5 - 11 1/8 (1806) 5 - 5 21/64 (1659)	 UCAVP1672 T	 UCAVP1872 T	 UCAVP2072 T	 UCAVP2472 T	 UCAVP2672 T	 UCAVP2872 T	 UCAVP3072 T	 UCAVP3272 T
6 - 5 3/8 (1865) 6 - 5 5/8 (1871) 6 - 5 1/8 (1858) 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

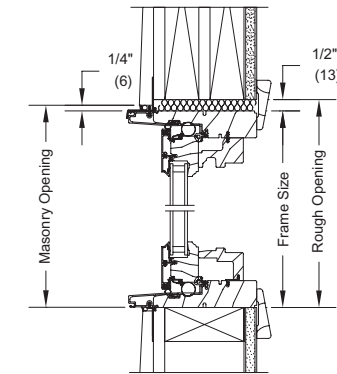
Details and Elevations not to scale.
* Units will have structural cable on the head and sill.
T For safety and/or code requirements, Marvin recommends tempered glass in all units with a frame size height of 71 1/8" or larger and units with frame size 25.2 ft² and larger.
Please consult your local Marvin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

Casement Venting Picture

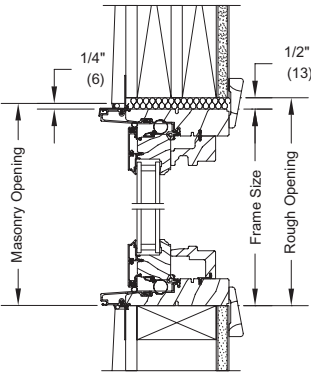
MO (mm)	3 - 0 1/2 (927)	3 - 4 1/2 (1029)	4 - 0 1/2 (1232)	4 - 8 1/2 (1435)	5 - 0 1/2 (1537)	5 - 4 1/2 (1638)	6 - 0 1/2 (1842)
RO (mm)	3 - 1 (940)	3 - 5 (1041)	4 - 1 (1245)	4 - 9 (1448)	5 - 1 (1549)	5 - 5 (1651)	6 - 1 (1854)
FS (mm)	3 - 0 (914)	3 - 4 (1016)	4 - 0 (1219)	4 - 8 (1422)	5 - 0 (1524)	5 - 4 (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 1/8 (1603) 4 - 9 21/64 (1456)	 UCAVP3664	 UCAVP4064	 UCAVP4864	 UCAVP5664*	 UCAVP6064*	 UCAVP6464*	 UCAVP7264*
5 - 11 3/8 (1812) 5 - 11 5/8 (1819) 5 - 11 1/8 (1806) 5 - 5 21/64 (1659)	 UCAVP3672T	 UCAVP4072 T	 UCAVP4872 T	 UCAVP5672* T	 UCAVP6072* T	 UCAVP6472* T	 UCAVP7272* T
6 - 5 3/8 (1865) 6 - 5 5/8 (1871) 6 - 5 1/8 (1858) 5 - 11 21/64 (1812)	 UCAVP3678 T	 UCAVP4078 T					
6 - 11 3/8 (2117) 6 - 11 5/8 (2124) 6 - 11 1/8 (2111) 6 - 5 21/64 (1964)	 UCAVP3684 T	 UCAVP4084 T					
7 - 7 3/8 (2320) 7 - 7 5/8 (2327) 7 - 7 1/8 (2314) 7 - 1 21/64 (2167)	 UCAVP3692 T	 UCAVP4092 T					
7 - 11 3/8 (2422) 7 - 11 5/8 (2428) 7 - 11 1/8 (2416) 7 - 5 21/64 (2269)	 UCAVP3696 T						

Casement Venting Picture

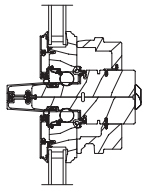
Construction Details



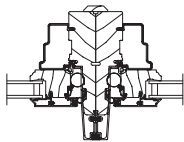
3/4" VENTING PICTURE
HEAD JAMB AND SILL



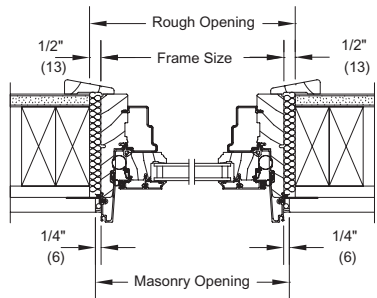
1" VENTING PICTURE
HEAD JAMB AND SILL



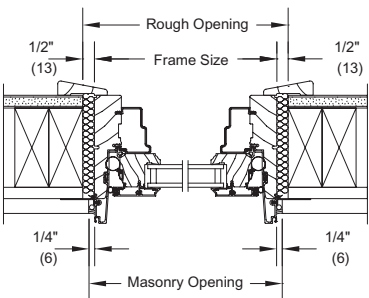
HORIZONTAL MULLION



VERTICAL MULLION



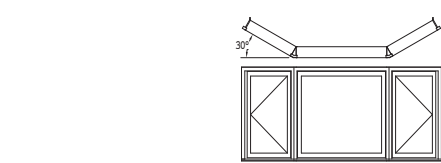
3/4" VENTING PICTURE
JAMB



1" VENTING PICTURE
JAMB

Wood Casement Bay

30° Ultimate Wood Casement Bay with Picture Center Unit



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

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

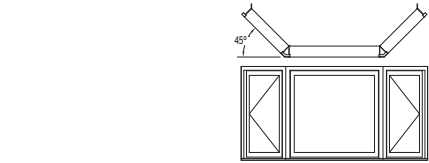
24-24-24	5-10 1/4 (1784)	13 3/8" (340)
24-28-24	6-2 1/4 (1885)	13 3/8" (340)
24-32-24	6-6 1/4 (1987)	13 3/8" (340)
24-36-24	6-10 1/4 (2089)	13 3/8" (340)
24-40-24	7-2 1/4 (2190)	13 3/8" (340)
24-48-24	7-10 1/4 (2393)	13 3/8" (340)
24-56-24	8-6 1/4 (2597)	13 3/8" (340)
24-60-24	8-10 1/4 (2698)	13 3/8"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

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

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

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

45° Ultimate Wood Casement Bay with Picture Center Unit



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

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

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

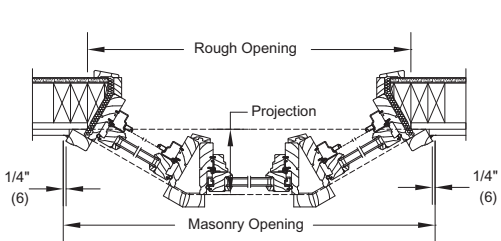
28-28-28	6-0 27/32 (1850)	22 1/4" (565)
28-32-28	6-4 27/32 (1952)	22 1/4" (565)
28-36-28	6-8 27/32 (2053)	22 1/4" (565)
28-40-28	7-0 27/32 (2155)	22 1/4" (565)
28-48-28	7-8 27/32 (2358)	22 1/4" (565)
28-56-28	8-4 27/32 (2561)	22 1/4" (565)
28-60-28	8-8 27/32 (2663)	22 1/4" (565)
28-64-28	9-0 27/32 (2765)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

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

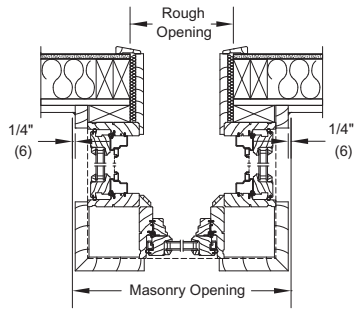
36-36-36	7-8 5/32 (2341)	27 29/32" (709)
36-40-36	8-0 5/32 (2442)	27 29/32" (709)
36-48-36	8-8 5/32 (2646)	27 29/32" (709)
36-56-36	9-4 5/32 (2849)	27 29/32" (709)
36-60-36	9-8 5/32 (2950)	27 29/32" (709)
36-64-36	10-0 5/32 (3052)	27 29/32" (709)
36-72-36	10-8 5/32 (3255)	27 29/32" (709)

Wood Casement Bay

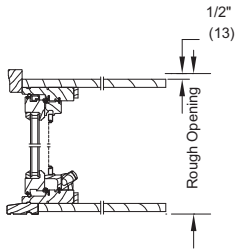
Construction Details



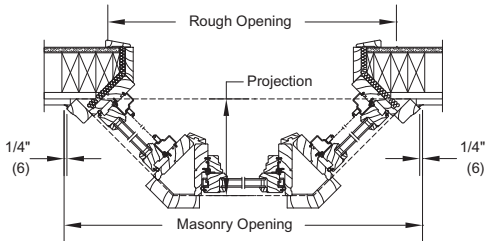
30° ULTIMATE WOOD CASEMENT BAY WITH STATIONARY CENTER JAMB



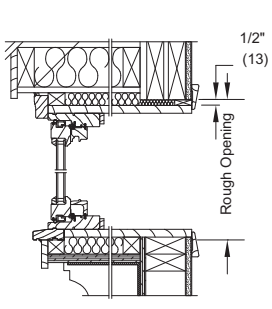
90° ULTIMATE WOOD CASEMENT BAY WITH STATIONARY CENTER UNIT JAMB



ULTIMATE WOOD CASEMENT OPERATOR HEAD JAMB AND SILL



45° ULTIMATE WOOD CASEMENT BAY WITH STATIONARY CENTER JAMB



ULTIMATE WOOD CASEMENT STATIONARY HEAD JAMB AND SILL

Rough Opening Heights

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

Details and Elevations not to scale.

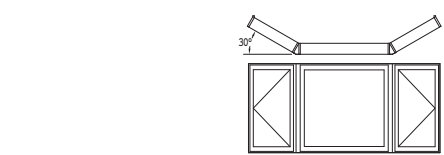
- Above dimensions include head and seat boards. If no head board, deduct 11/16" (17) in rough opening height.

Please consult your local Marvin representative for more information.

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

Casement Bay

30° Ultimate Casement Bay with Picture Center Unit



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

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

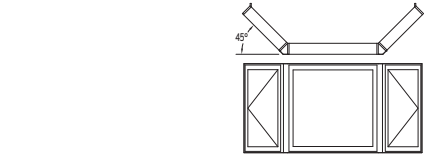
24-24-24	5-10 1/2 (1791)	12 5/8" (320)
24-28-24	6-2 1/2 (1892)	12 5/8" (320)
24-32-24	6-6 1/2 (1994)	12 5/8" (320)
24-36-24	6-10 1/2 (2096)	12 5/8" (320)
24-40-24	7-2 1/2 (2197)	12 5/8" (320)
24-48-24	7-10 1/2 (2400)	12 5/8" (320)
24-56-24	8-6 1/2 (2604)	12 5/8" (320)
24-60-24	8-10 1/2 (2705)	12 5/8"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

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

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

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

45° Ultimate Casement Bay with Picture Center Unit



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

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

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

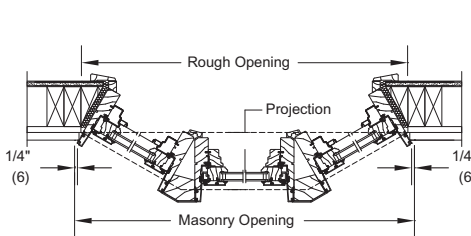
28-28-28	6-2 5/16 (1887)	21 1/8" (537)
28-32-28	6-6 5/16 (1989)	21 1/8" (537)
28-36-28	6-10 5/16 (2090)	21 1/8" (537)
28-40-28	7-2 5/16 (2192)	21 1/8" (537)
28-48-28	7-10 5/16 (2395)	21 1/8" (537)
28-56-28	8-6 5/16 (2598)	21 1/8" (537)
28-60-28	8-10 5/16 (2700)	21 1/8" (537)
28-64-28	9-2 5/16 (2802)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

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

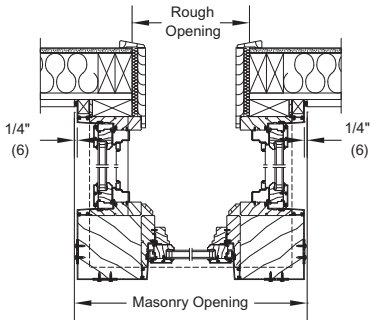
36-36-36	7-9 5/8 (2378)	26 13/16" (681)
36-40-36	8-1 5/8 (2479)	26 13/16" (681)
36-48-36	8-9 5/8 (2683)	26 13/16" (681)
36-56-36	9-5 5/8 (2886)	26 13/16" (681)
36-60-36	9-9 5/8 (2987)	26 13/16" (681)
36-64-36	10-1 5/8 (3089)	26 13/16" (681)
36-72-36	10-9 5/8 (3292)	26 13/16" (681)

Casement Bay

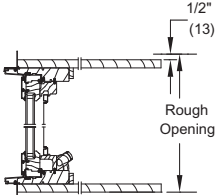
Construction Details



30° ULTIMATE CASEMENT BAY
WITH STATIONARY CENTER JAMB



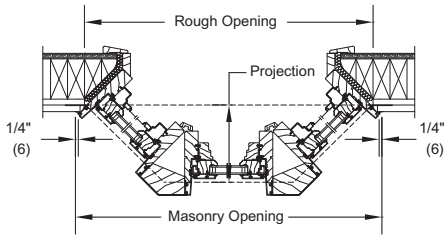
90° ULTIMATE CASEMENT BAY
WITH STATIONARY CENTER UNIT JAMB



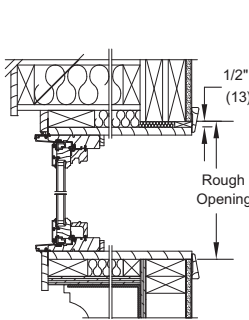
ULTIMATE CASEMENT
OPERATOR HEAD JAMB AND SILL

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)



45° ULTIMATE CASEMENT BAY
WITH STATIONARY CENTER JAMB



ULTIMATE CASEMENT
STATIONARY HEAD JAMB AND SILL

Details and Elevations not to scale.

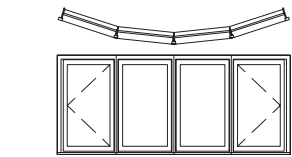
- Above dimensions include head and seat boards. If no head board, deduct ¹/₁₆" (17)

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

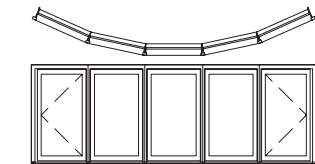
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

Wood Casement Bow

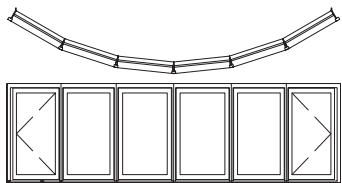
Construction Details



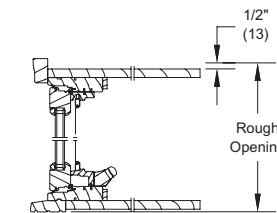
ULTIMATE WOOD CASEMENT
4-WIDE BOW



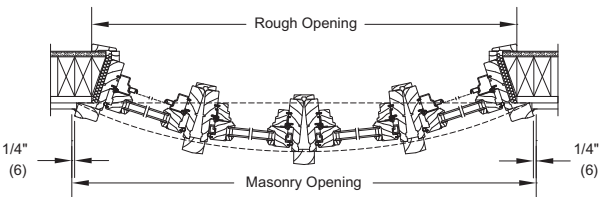
ULTIMATE WOOD CASEMENT
5-WIDE BOW



ULTIMATE WOOD CASEMENT
6-WIDE BOW



ULTIMATE WOOD CASEMENT
OPERATOR HEAD JAMB AND SILL



ULTIMATE WOOD CASEMENT JAMB

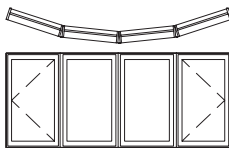
UNIT NO. (WIDTH)	ROUGH OPENING (WIDTH)	PROJECTION
16-4W	5-5 ³ / ₄ (1670)	7 ¹¹ / ₃₂ " (187)
16-5W	6-8 ¹¹ / ₁₆ (2049)	10 ⁷ / ₈ " (276)
16-6W	7-10 ⁵ / ₈ (2404)	16 ¹ / ₃₂ " (407)
20-4W	6-9 ⁵ / ₁₆ (2066)	9" (229)
20-5W	8-3 ¹³ / ₁₆ (2535)	13 ⁵ / ₁₆ " (338)
20-6W	9-9 ¹ / ₈ (2975)	19 ¹¹ / ₁₆ " (500)
24-4W	8-0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

ROUGH OPENING HEIGHTS

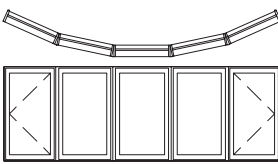
UNIT NO. (HEIGHT)	ROUGH OPENING (HEIGHT)
24	2-1 ¹ / ₄ (641)
32	2-9 ¹ / ₄ (845)
36	3-1 ¹ / ₄ (946)
40	3-5 ¹ / ₄ (1048)
48	4-1 ¹ / ₄ (1251)
56	4-9 ¹ / ₄ (1454)
60	5-1 ¹ / ₄ (1556)
64	5-5 ¹ / ₄ (1657)
72	6-1 ¹ / ₄ (1861)

Casement Bow

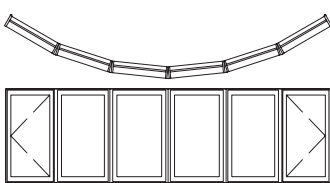
Construction Details



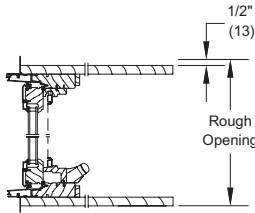
ULTIMATE CASEMENT
4-WIDE BOW



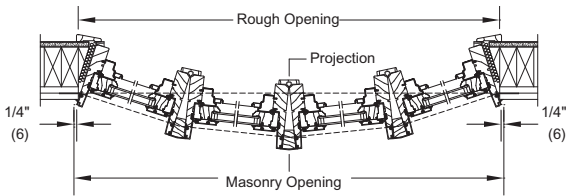
ULTIMATE CASEMENT
5-WIDE BOW



ULTIMATE CASEMENT
6-WIDE BOW



ULTIMATE CASEMENT
OPERATOR HEAD JAMB AND SILL



ULTIMATE CASEMENT JAMB

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

ROUGH OPENING HEIGHTS

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

Details and Elevations not to scale.

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

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

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

Glider - 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)
5-11 3/4 (1822) 6-0 (1829) 5-11 1/2 (1816) 5-4 23/32 (1644)	 UGL3020	 UGL3620	 UGL4020	 UGL4620	 UGL5020	 UGL5620	 UGL6020
2-5 3/4 (756) 2-6 (762) 2-5 1/2 (749) 1-10 23/32 (577)	 UGL3026	 UGL3626	 UGL4026	 UGL4626	 UGL5026	 UGL5626	 UGL6026
2-11 3/4 (908) 3-0 (914) 2-11 1/2 (902) 2-4 23/32 (729)	 UGL3030	 UGL3630	 UGL4030	 UGL4630	 UGL5030 E	 UGL5630 E	 UGL6030 E
3-5 3/4 (1060) 3-6 (1067) 3-5 1/2 (1054) 2-10 23/32 (882)	 UGL3036	 UGL3636	 UGL4036	 UGL4636 E	 UGL5036 E	 UGL5636 E	 UGL6036 E
3-11 3/4 (1213) 4-0 (1219) 3-11 1/2 (1207) 3-4 23/32 (1034)	 UGL3040	 UGL3640	 UGL4040 E	 UGL4640 E	 UGL5040 E	 UGL5640 E	 UGL6040 E
4-5 3/4 (1365) 4-6 (1372) 4-5 1/2 (1359) 3-10 23/32 (1187)	 UGL3046	 UGL3646	 UGL4046 E	 UGL4646 E	 UGL5046 E	 UGL5646 E	 UGL6046 E
4-11 3/4 (1518) 5-0 (1524) 4-11 1/2 (1511) 4-4 23/32 (1339)	 UGL3050	 UGL3650	 UGL4050 E	 UGL4650 E	 UGL5050 E	 UGL5650 E	 UGL6050 E
5-5 3/4 (1670) 5-6 (1676) 5-5 1/2 (1664) 4-10 23/32 (1491)	 UGL3056	 UGL3656	 UGL4056 E	 UGL4656 E	 UGL5056 E	 UGL5656 E	 UGL6056 E
5-11 3/4 (1822) 6-0 (1829) 5-11 1/2 (1816) 5-4 23/32 (1644)	 UGL3060	 UGL3660	 UGL4060 E	 UGL4660 E	 UGL5060 E	 UGL5660 E	 UGL6060 E

ULTIMATE GLIDER: UGL

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.

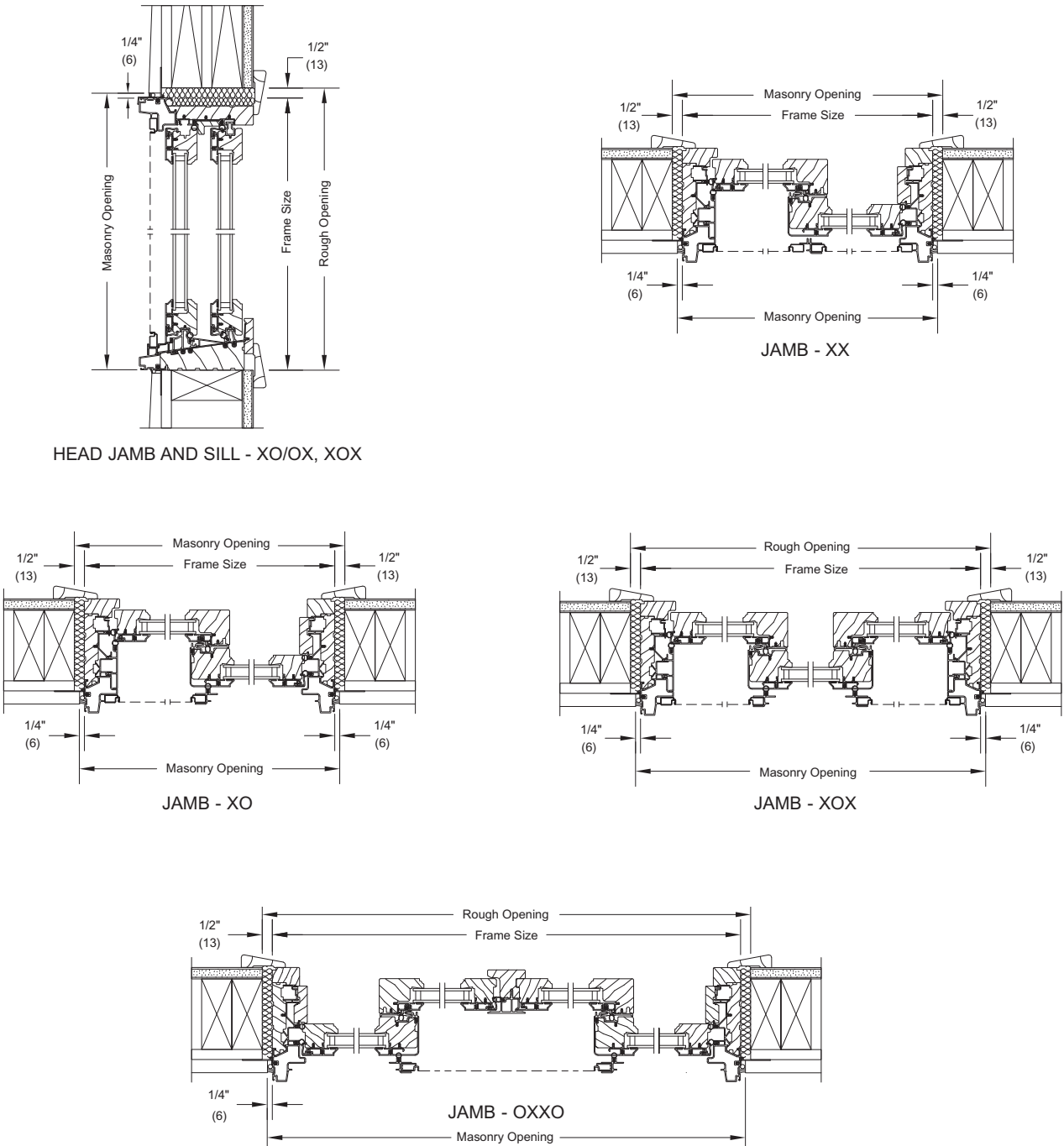
Glider Triple Sash - XOX

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 (597) 1-4 23/32 (425)	 UGLTS6020	 UGLTS8020	 UGLTS10020
2-5 3/4 (756) 2-6 (762) 2-5 1/2 (749) 1-11 25/32 (604)	 UGLTS6026	 UGLTS8026	 UGLTS10026
2-11 3/4 (908) 3-0 (914) 2-11 1/2 (902) 2-5 25/32 (756)	 UGLTS6030	 UGLTS8030	 UGLTS10030 E
3-5 3/4 (1060) 3-6 (1067) 3-5 1/2 (1054) 2-11 25/32 (909)	 UGLTS6036	 UGLTS8036	 UGLTS10036 E
3-11 3/4 (1213) 4-0 (1219) 3-11 1/2 (1207) 3-5 25/32 (1081)	 UGLTS6040	 UGLTS8040 E	 UGLTS10040 E
4-5 3/4 (1365) 4-6 (1372) 4-5 1/2 (1359) 3-11 25/32 (1214)	 UGLTS6046	 UGLTS8046 E	 UGLTS10046 E
4-11 3/4 (1518) 5-0 (1524) 4-11 1/2 (1511) 4-5 25/32 (1386)	 UGLTS6050	 UGLTS8050 E	 UGLTS10050 E
5-5 3/4 (1670) 5-6 (1676) 5-5 1/2 (1664) 4-11 25/32 (1518)	 UGLTS6056	 UGLTS8056 E	 UGLTS10056 E
5-11 3/4 (1822) 6-0 (1829) 5-11 1/2 (1816) 5-5 25/32 (1671)	 UGLTS6060	 UGLTS8060 E	 UGLTS10060 E

ULTIMATE GLIDER TRIPLE SASH: UGLTS

Glider - XOX

Construction Details X, OX, XOX, and OXXO



Details and Elevations not to scale.

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

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

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

Glider Picture - O

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

Details and Elevations not to scale.

- XO, OX, XX, XOX, and O available. Both sides of triple sash units operate.
- Conversions for horizontal mulls include required structural 1" (25) LVL

Please consult your local Marvin representative for additional mulling configurations.

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

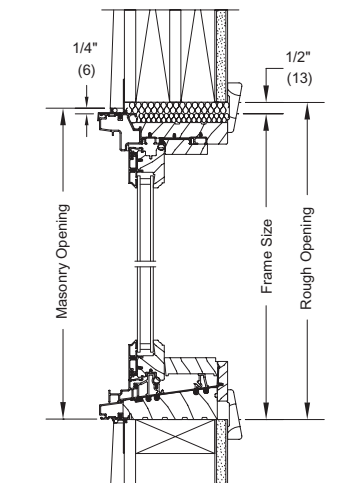
ULTIMATE GLIDER PICTURE: UGLP

Multiple Assembly Conversions

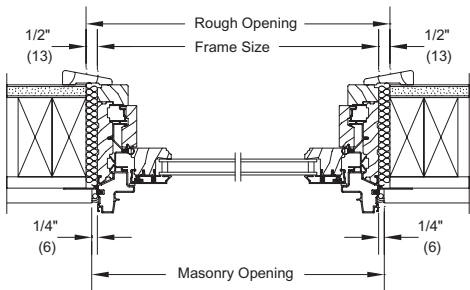
ROUGH OPENING		MASONRY OPENING WITHOUT BMC	
Width	Height for 2H	Width	Height for 2H
Add all frame sizes plus 1" (25)	Add frame sizes plus 1/2" (13)	Add all frame sizes plus 1/2" (13)	Add frame sizes plus 1/4" (6)

Glider Picture

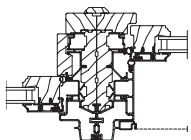
Construction Details



HEAD JAMB AND SILL - PICTURE



JAMB - PICTURE

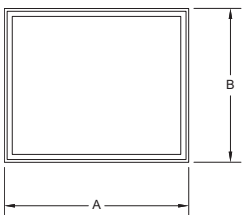


VERTICAL MULLION
PICTURE/OPERATOR

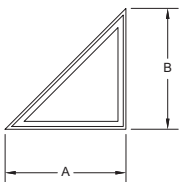
Wood / Clad Polygons And Special Shapes

How To Specify Dimensions

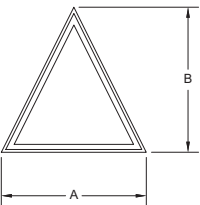
When ordering a trapezoid, triangle, or rectangle window, provide a sketch of the unit as viewed from the exterior, plus include key rough opening dimensions. Example: To order a window of a trapezoid opening, provide the measurements of A, B, and C as indicated. For other shapes, give the dimensions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



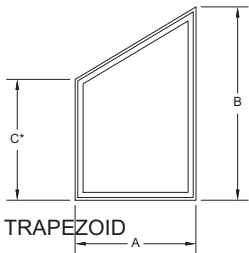
RECTANGLE



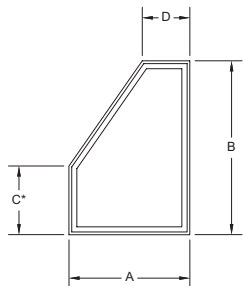
90° TRIANGLE



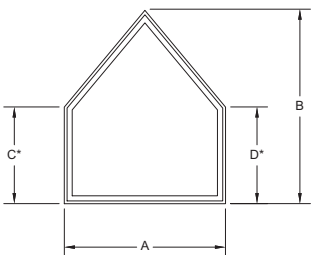
ISOSCELES TRIANGLE



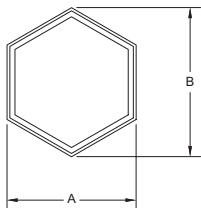
TRAPEZOID



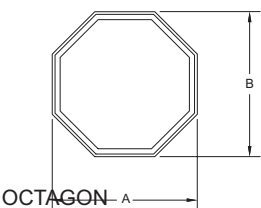
PENTAGON



PENTAGON



HEXAGON



OCTAGON

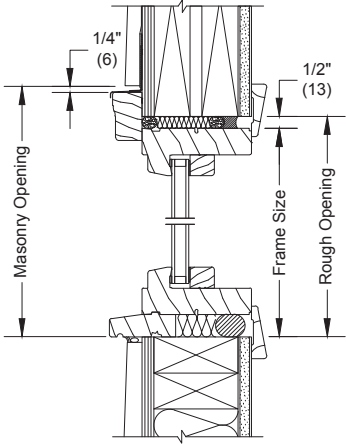
Details and Elevations not to scale.

- Jamb extensions over 7 5/16" (192) will be edge glued.
- Some shapes shown are also available as in-sash. Check with local Marvin representative for availability.
- Please contact local Marvin representative for assistance if multiple special shape units are aligned with other units. Rough opening dimensions may vary.
- 6" (152) minimum rough opening height.

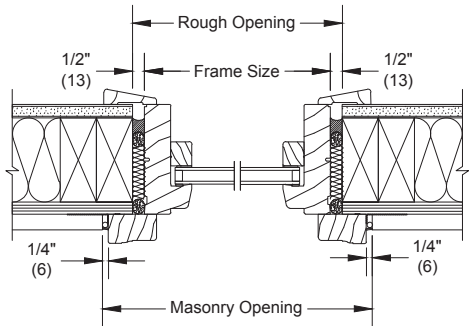
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

Wood Direct Glaze Polygon / Direct Glaze Polygon

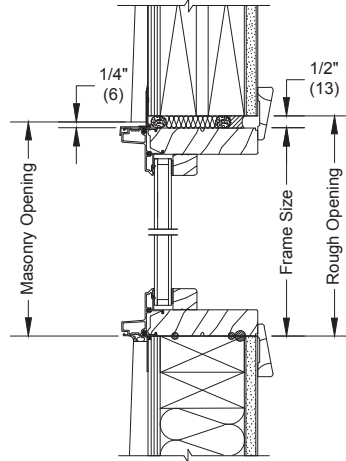
Construction Details



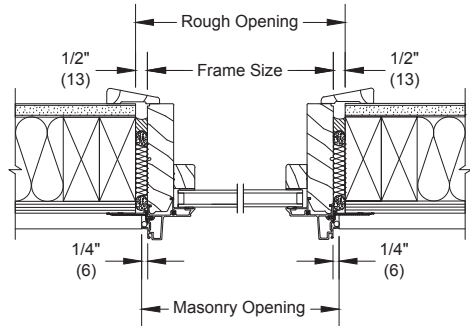
WOOD
HEAD JAMB AND SILL - DIRECT GLAZE



WOOD
JAMB - DIRECT GLAZE



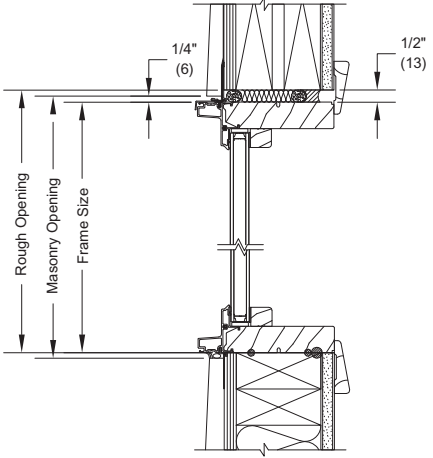
CLAD
HEAD JAMB AND SILL - DIRECT GLAZE



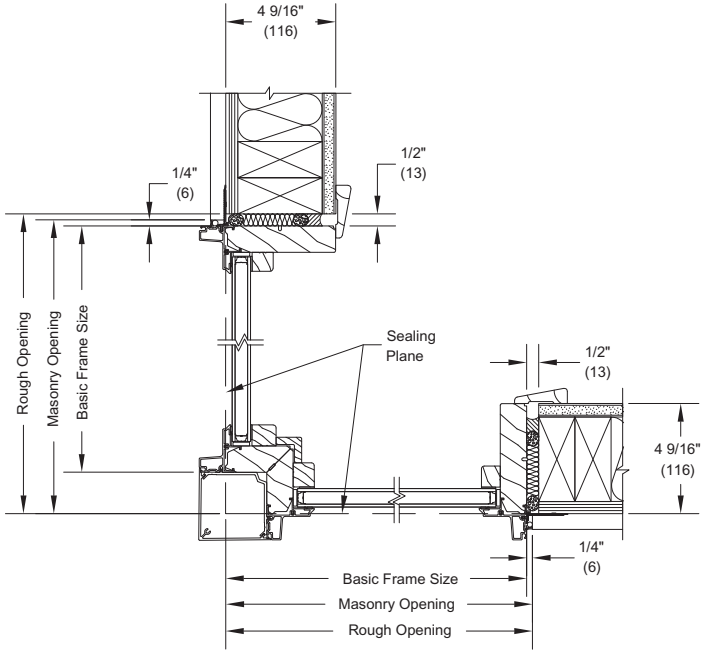
CLAD
JAMB - DIRECT GLAZE

Direct Glaze Polygon Corner

Construction Details



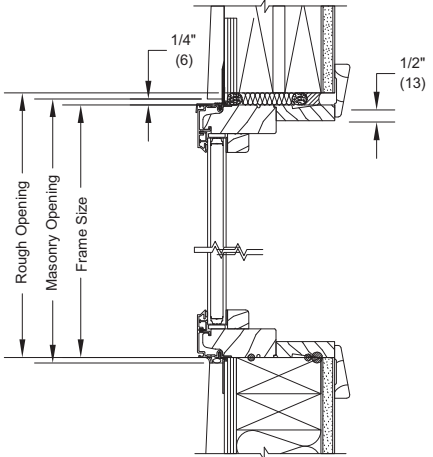
HEAD JAMB AND SILL



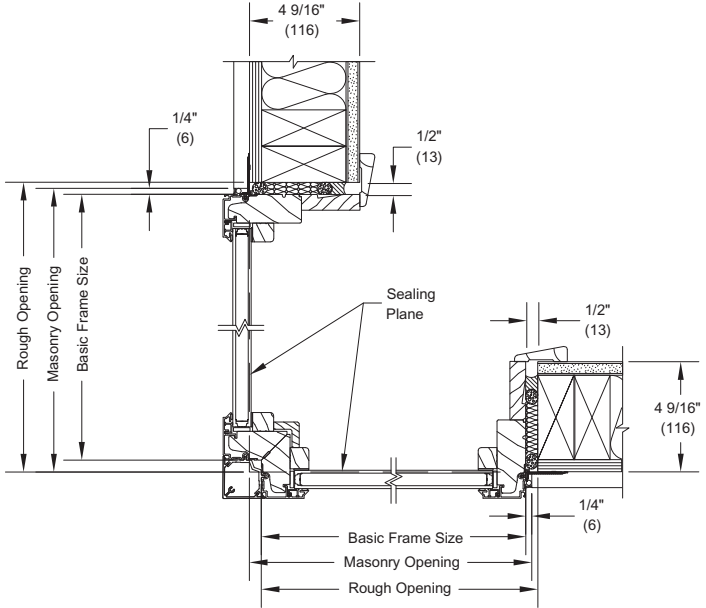
JAMBS

Direct Glaze Narrow Frame Corner

Construction Details



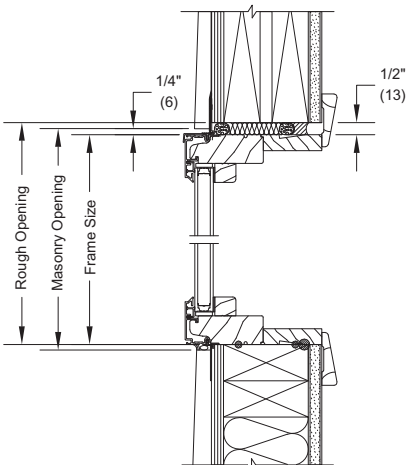
HEAD JAMB AND SILL



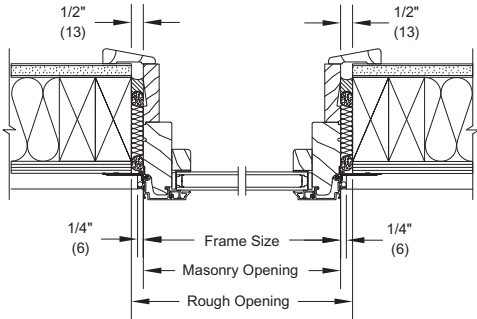
JAMBS

Direct Glaze Narrow Frame Polygon

Construction Details



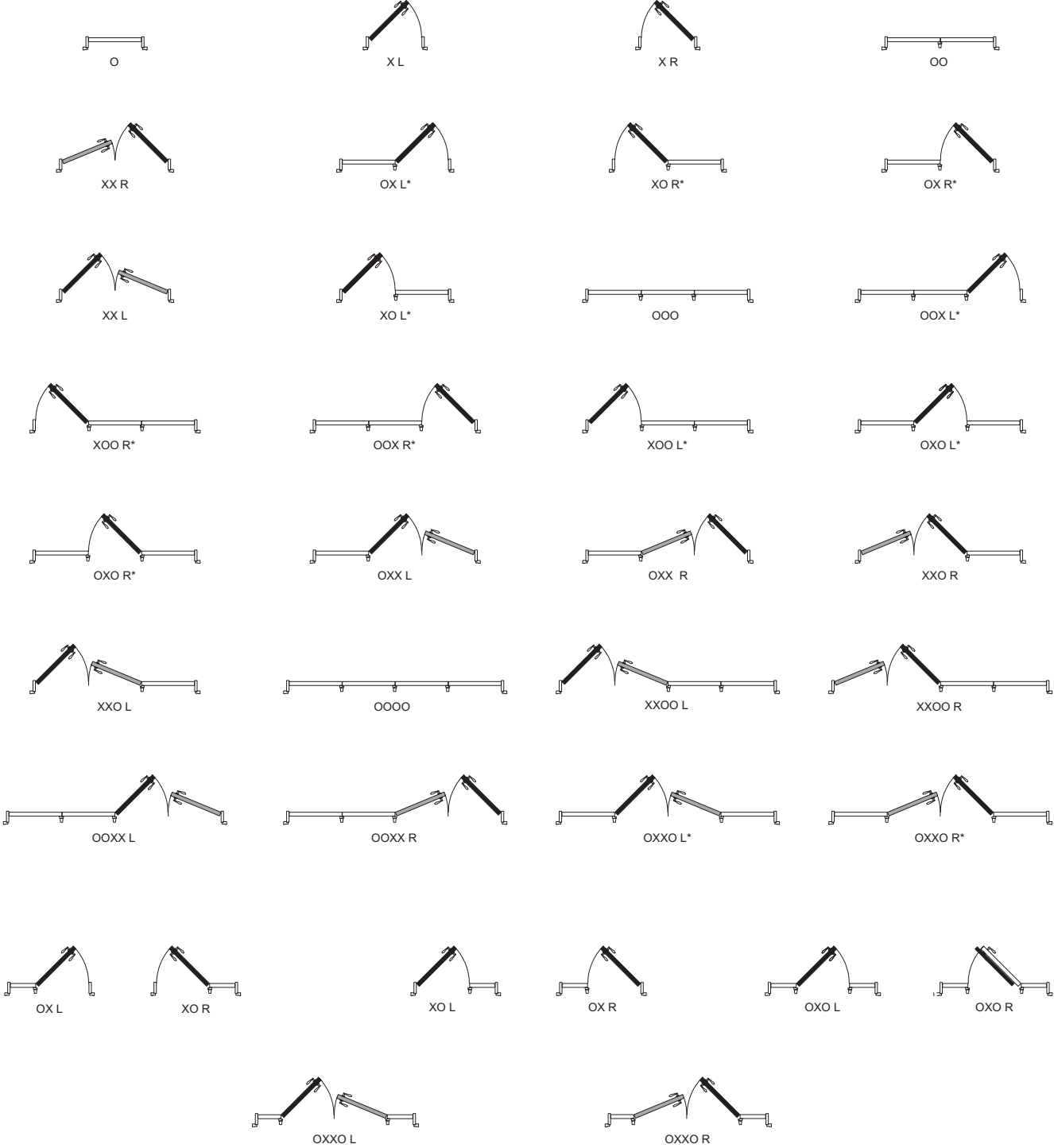
HEAD JAMB AND SILL



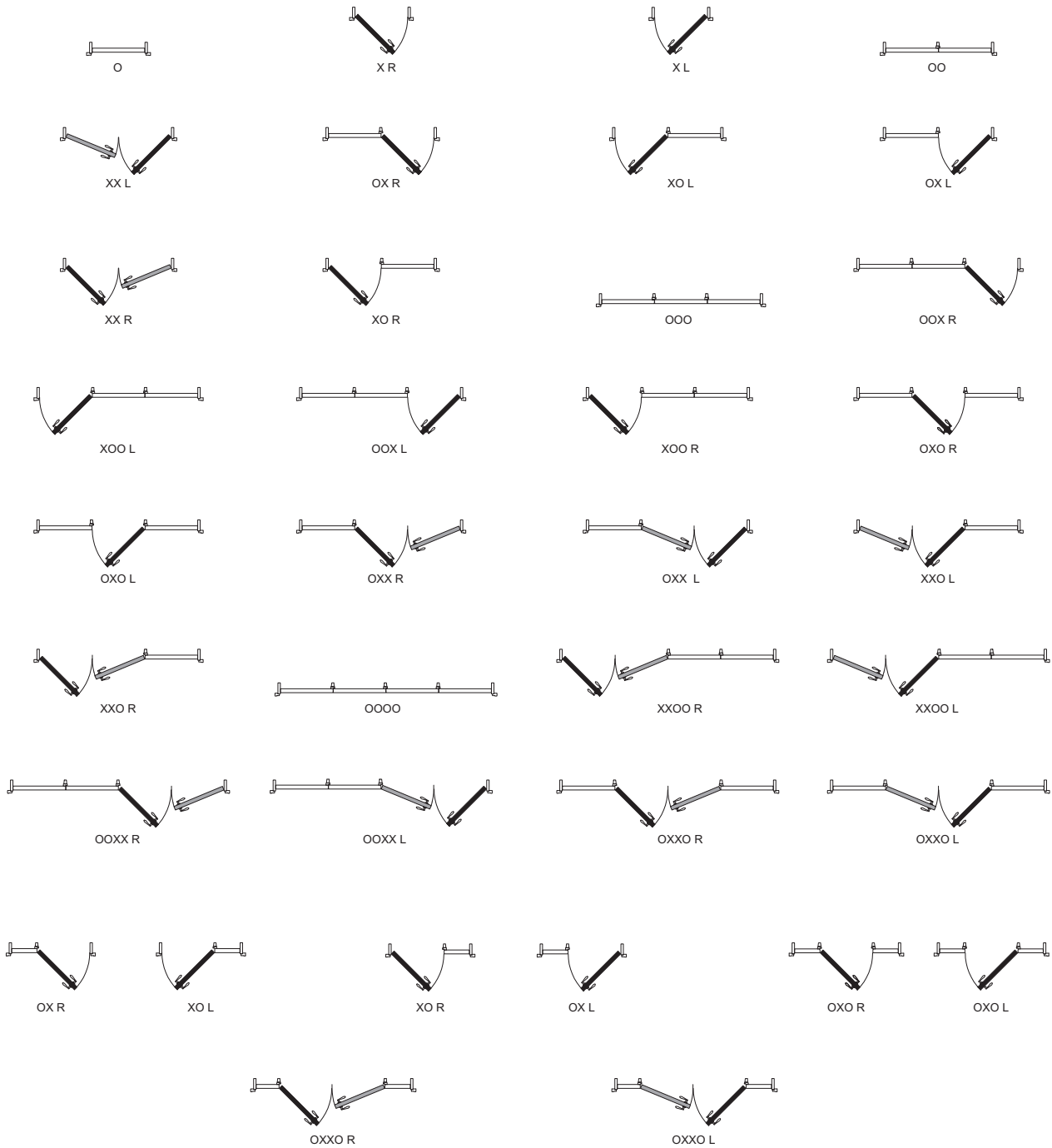
JAMBS

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 Operating Configurations



Outswing Operating Configurations



□ Stationary Panel
■ Active Panel
■ Inactive Panel

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

- Wood doors are available with Wood combo/storm and screens, contact your local Marvin representative.
- Available with sliding top hung aluminum screen.

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

Inswing / Outswing French Door G2

Size Chart

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

R = Retro Size

- All glass is tempered.
- 6 9/16" jambs required for Inswing French Door G2 and Inswing French Door 2 1/4" G2
- Doors above CN 8/0 height use 2 1/4" panels.
- Some configurations require KD.

Please consult your local Marvin representative for masonry openings that include casings and subsills.
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

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

Inswing / Outswing French Door Transoms G2

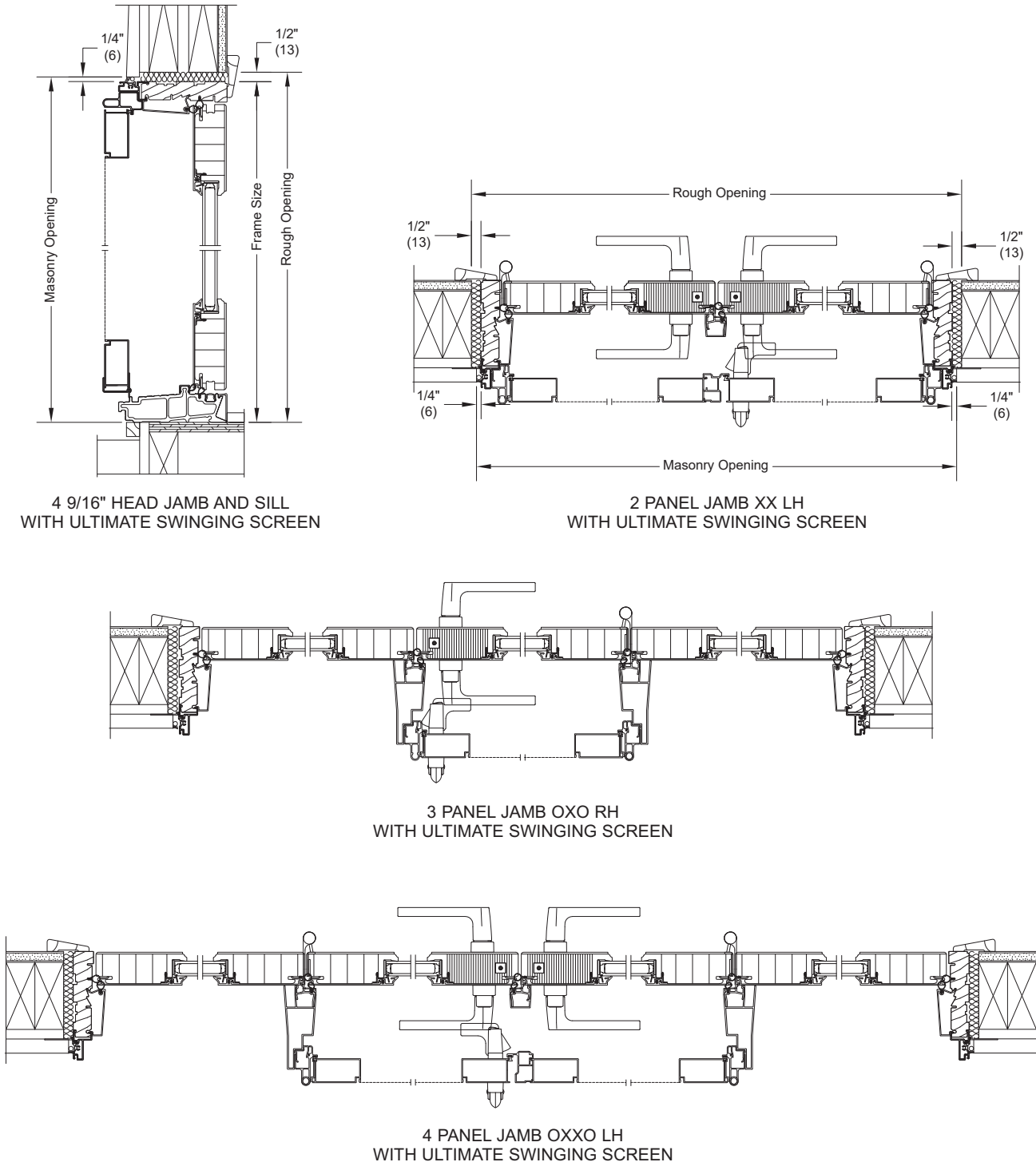
Size Chart

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

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

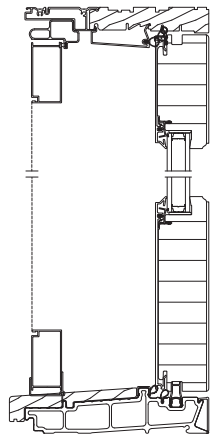
Inswing French Door G2

Construction Details

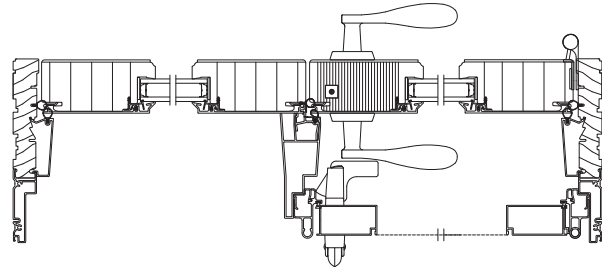


Inswing French Door G2

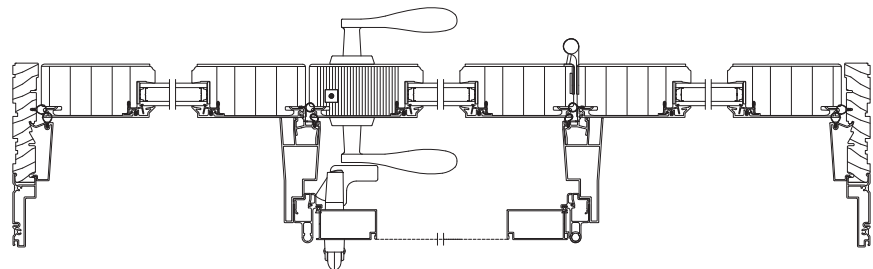
Construction Details



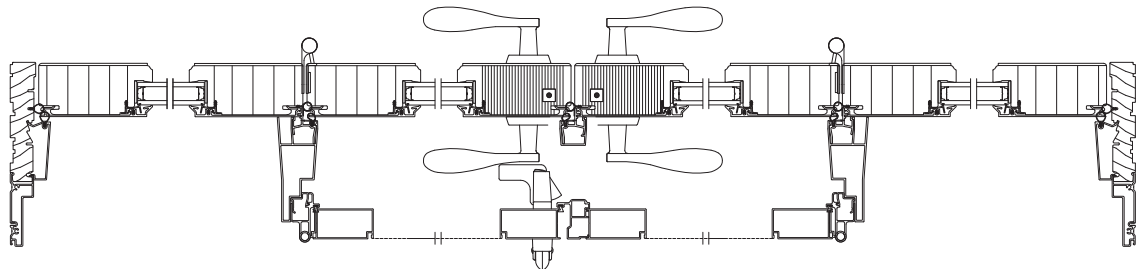
6 9/16" HEAD JAMB AND SILL
WITH ULTIMATE SWINGING SCREEN



2 PANEL JAMB OX RH
WITH ULTIMATE SWINGING SCREEN



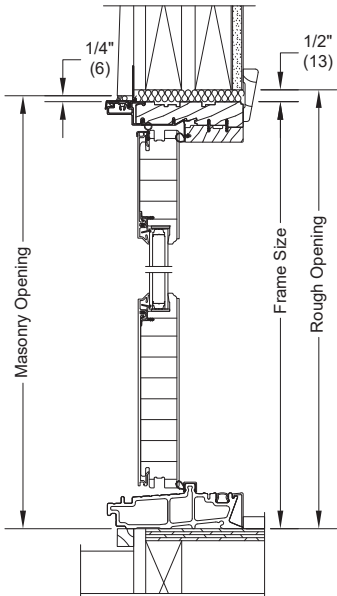
3 PANEL JAMB OXO RH
WITH ULTIMATE SWINGING SCREEN



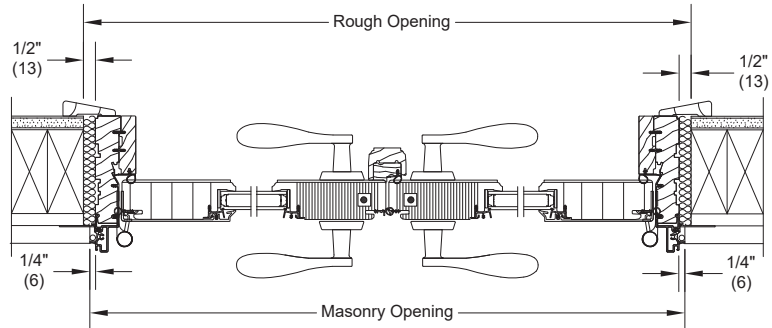
4 PANEL JAMB OXOX LH
WITH ULTIMATE SWINGING SCREEN

Outswing French Door G2

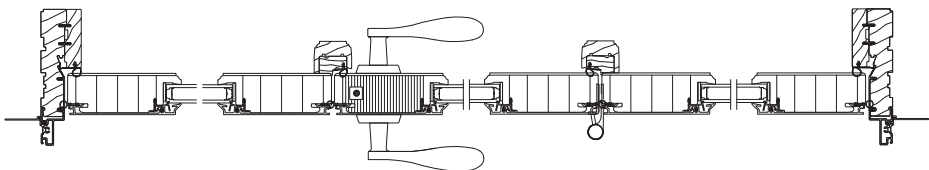
Construction Details



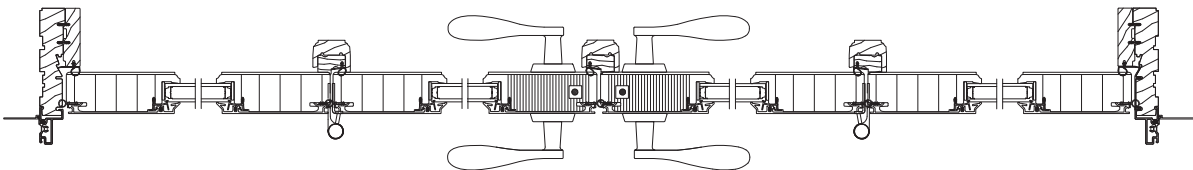
4 9/16" HEAD JAMB AND SILL



2 PANEL JAMB XX LH



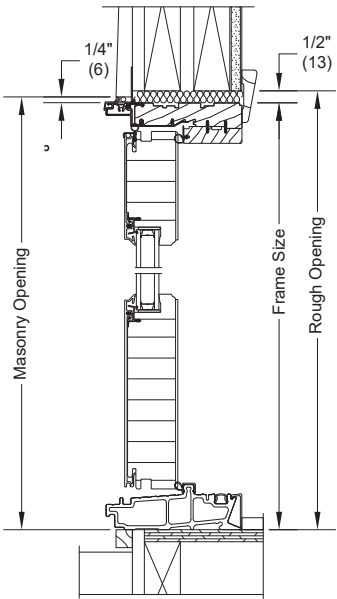
3 PANEL JAMB OXO LH



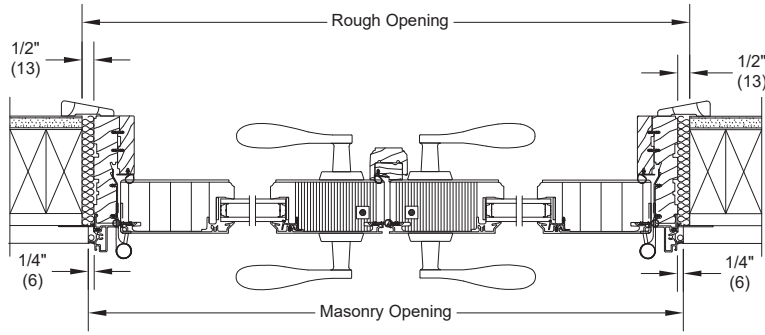
4 PANEL JAMB OXOX LH

Outswing French Door G2

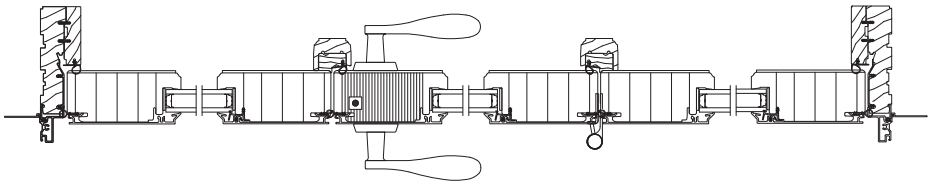
Construction Details



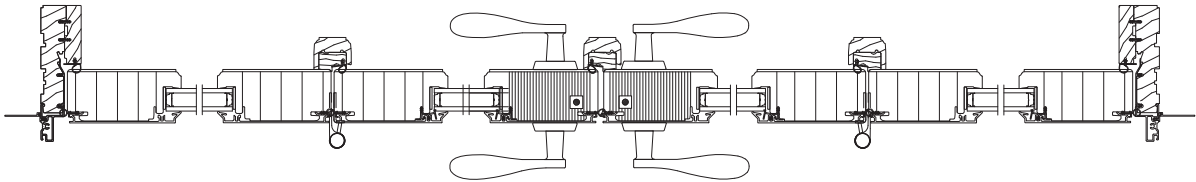
6 9/16" HEAD JAMB AND SILL



2 PANEL JAMB XX LH



3 PANEL JAMB OXO LH



4 PANEL JAMB OXXO LH

Ultimate Inswing / Outswing Door (3" Stiles)

Size Chart

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)

- Transom sash are 1 3/4" panels.
 - Tripane transom sash are 2 1/4" panels.

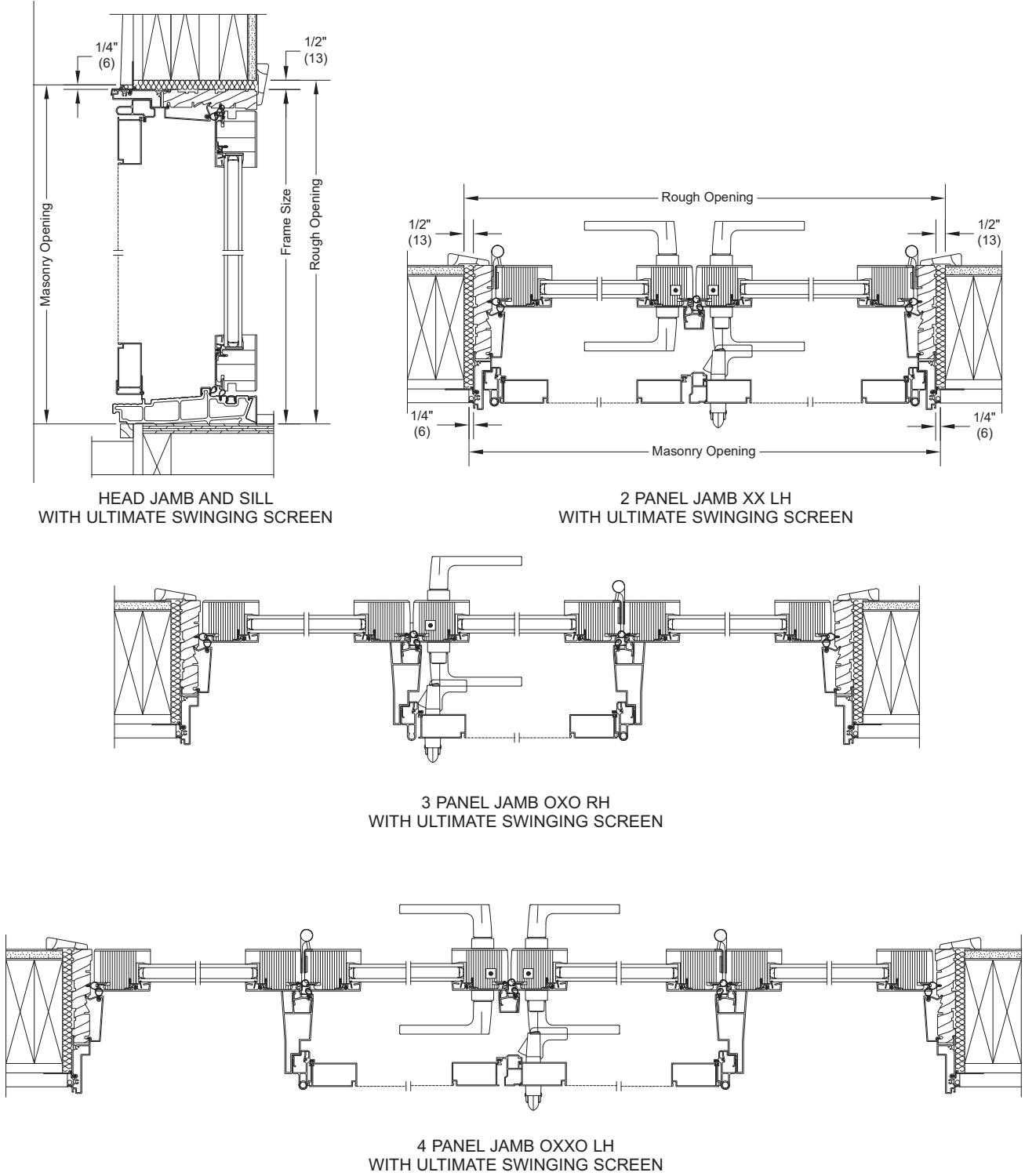
Please consult your local Marvin representative for masonry openings that include casings and subsills.

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

ULTIMATE INSWING DOOR TRANSOMS: UIDTR
ULTIMATE OUTSWING DOOR TRANSOMS: UODTR

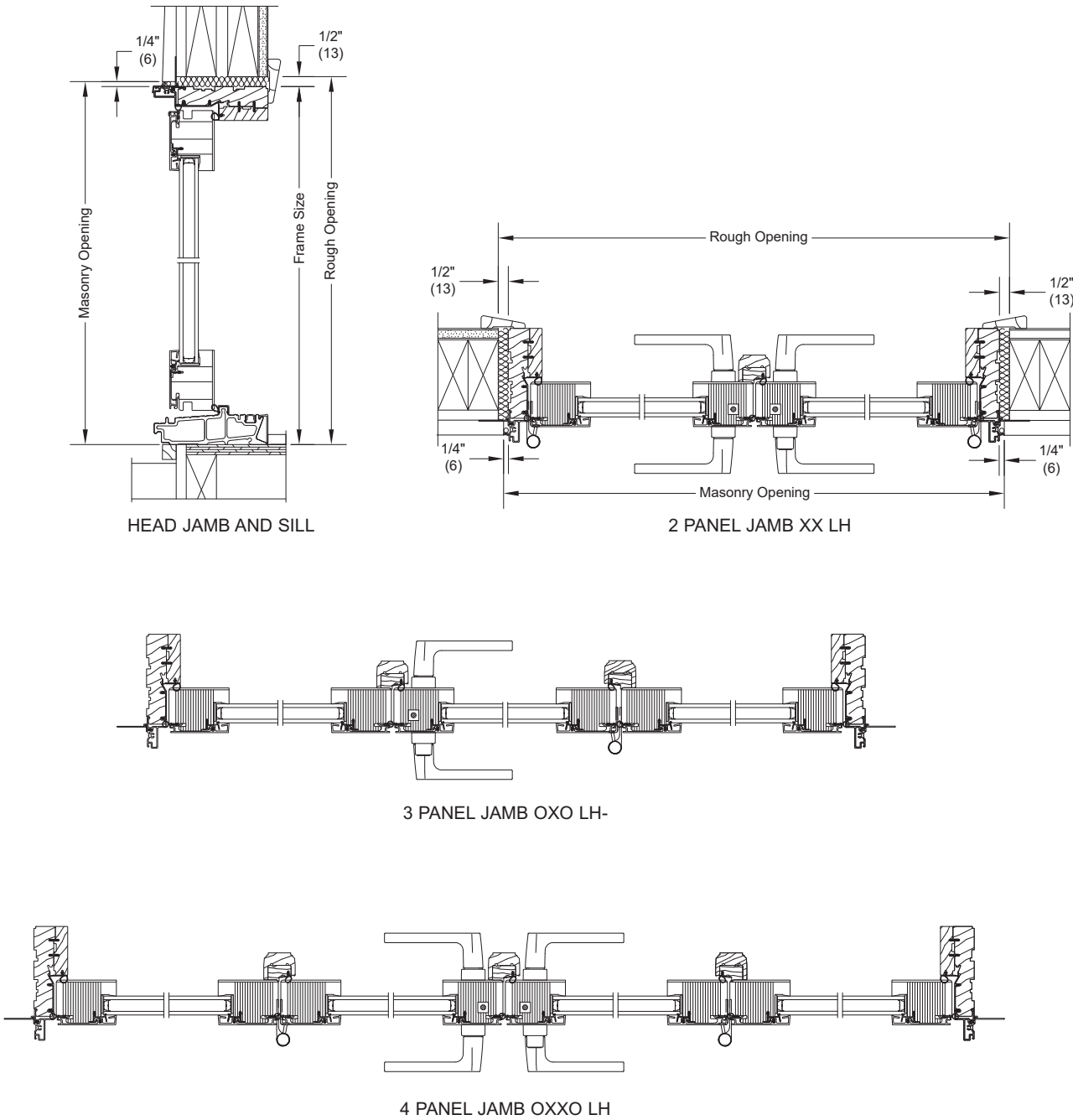
Inswing Door (3" Stiles)

Construction Details



Outswing Door (3" Stiles)

Construction Details



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)
7-11 3/4 (2432)						
8-1 1/16 (2465)						
8-0 (2438)						
7-11 1/2 (2426)						
6-6 13/8 (1991)	2680 26100	2880 28100	3080 30100	5080 50100	5480 54100	6080 60100

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)
7-11 3/4 (2432)						
8-1 1/16 (2465)						
8-0 (2438)						
7-11 1/2 (2426)						
6-6 3/8 (1991)	2680 26100	2880 28100	3080 30100	5080 50100	5480 54100	6080 60100

8/0 Height Archtop RT6 Inswing And Outswing (10/0 Height See Below)

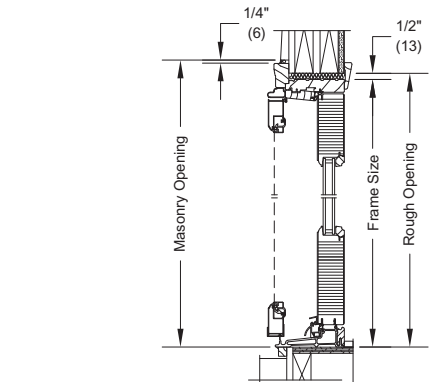
Clad MO (mm)	2-7 15/16 (811)	2-9 15/16 (862)	3-1 15/16 (964)	5-1 1/8 (1533)	5-5 1/8 (1654)	6-1 1/8 (1857)
Wood MO (mm)	2-10 9/16 (878)	3-0 9/16 (929)	3-4 9/16 (1030)	5-3 3/4 (1619)	5-7 3/4 (1721)	6-3 3/4 (1924)
RO (mm)	2-8 7/16 (824)	2-10 7/16 (875)	3-2 7/16 (976)	5-1 5/8 (1565)	5-5 5/8 (1667)	6-1 5/8 (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)
7-11 3/4 (2432)						
8-1 1/16 (2465)						
8-0 (2438)						
7-11 1/2 (2426)						
6-6 3/8 (1991)	2680 26100	2880 28100	3080 30100	5080 50100	5480 54100	6080 60100

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.

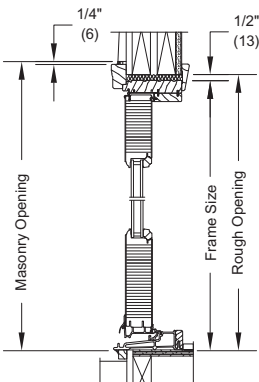
ULTIMATE WOOD INSWING FRENCH DOOR 2 1/4 INCH: UWIFD2.25
ULTIMATE WOOD OUTSWING FRENCH DOOR 2 1/4 INCH: UWOFD2.25

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

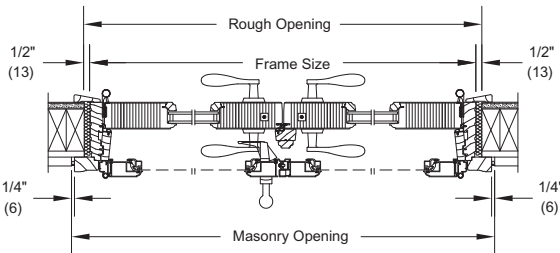
Construction Details



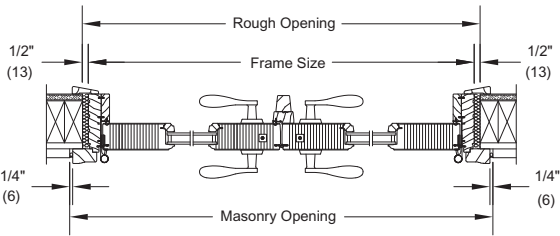
WOOD INSWING
HEAD JAMB AND SILL
WITH ULTIMATE SWINGING
SCREEN



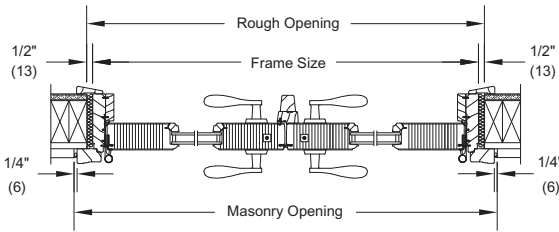
WOOD OUTSWING
HEAD JAMB AND SILL



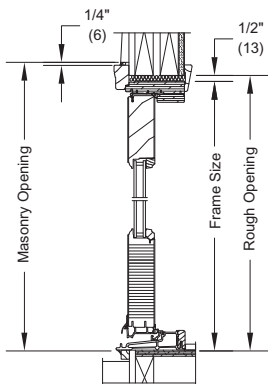
WOOD INSWING 2 PANEL JAMB XXLHI
WITH ULTIMATE SWINGING SCREEN



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)

6-7 3/4 (2026)						
6-8 (2032)						
6-7 1/2 (2019)						
5-7 7/64 (1705)						
	26R66R	30R66R	40R66R	50R66R	60R66R	80R66R

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)

6-7 3/4 (2026)			
6-8 (2032)			
6-7 1/2 (2019)			
5-7 7/64 (1705)			
	76R66R	90R66R	120R66R

* 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

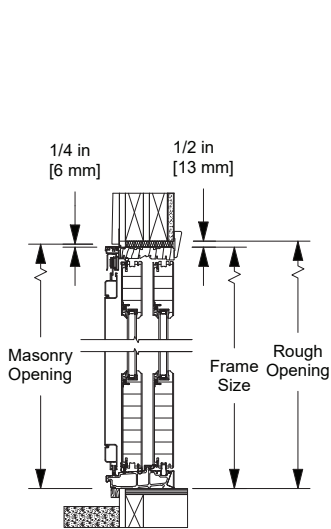
Unit Type	CN	Masonry Opening		Rough Opening		Frame Size		Panel OM		Daylight Std Opening		Standard Glass Size	
		ft - in	mm	ft - in	mm	ft - in	mm	ft-in	mm	ft - in	mm	in	mm
1 Panel	2-6	2-10 3/8	(873)	2-10 7/8	(886)	2-9 7/8	(860)	2-7 1/2	(800)	1-10 1/32	(559)	1-11 17/64	(591)
	3-0	3-4 3/8	(1025)	3-4 7/8	(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)
	20-0	19-11 1/2	(6083)	20-0	(6096)	19-11	(6071)	5-1 31/64	(1562)	4-4 1/64	(1321)	4-5 17/64	(1353)

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)

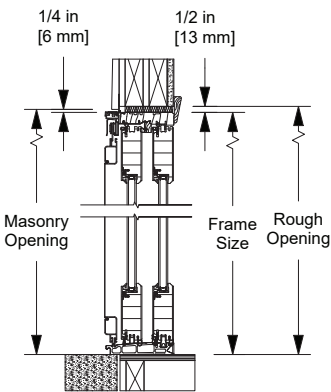
Unit Type	CN	Daylight Opening Short Bottom Rail		Daylight Opening Tall Bottom Rail		Short Bottom Rail Glass Size		Tall Bottom Rail Glass Size	
		ft - in	mm	in	mm	ft - in	mm	in	mm
All Configurations	6-6R	5-7 7/64	(1705)	5-3 47/64	(1619)	5-8 23/64	(1736)	5-4 63/64	(1651)
	6-8	5-9 39/64	(1768)	5-6 15/64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

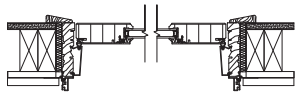
Construction Details



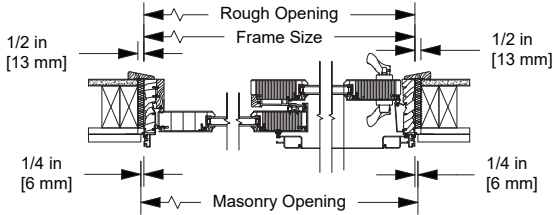
Head Jamb and Sill



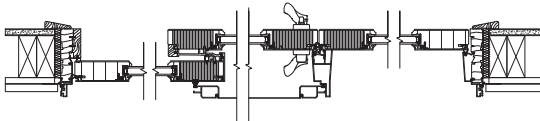
Head Jamb and Sill Accessibility Sill



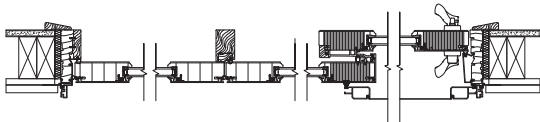
One Panel Stationary Jamb



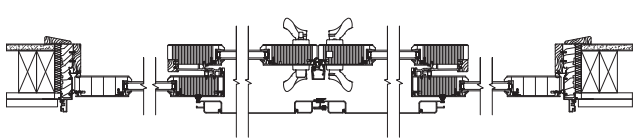
Two Panel Operating Jamb OX L



Three Panel Operating Jamb OXO L

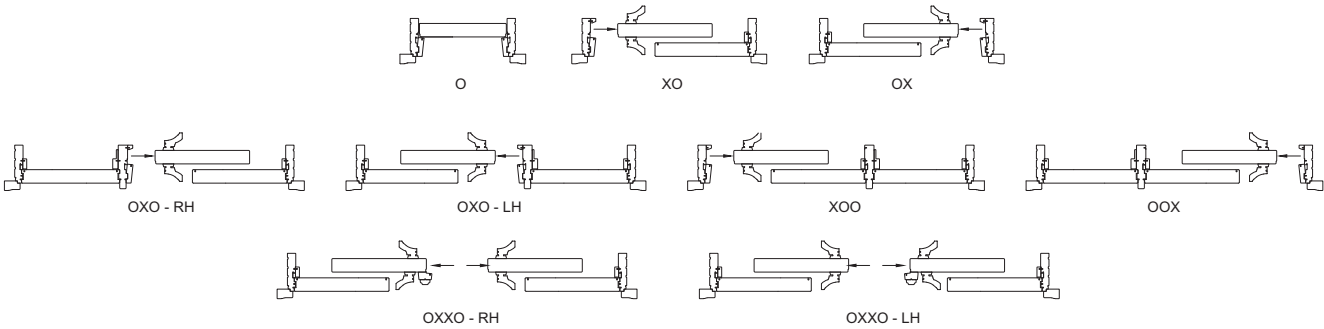


Three Panel Operating Jamb OOX L



Four Panel Operating Jamb OXXO L

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)
1-6 1/4 (464)						
1-8 1/4 (514)						
1-6 1/2 (470)						
1-6 (457)						
0-9 5/16 (237)						
						
	2616	3016	4016	5016	6016	8016
	2620	3020	4020	5020	6020	8020
	2626	3026	4026	5026	6026	8026

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)
1-6 1/4 (464)			
1-8 1/4 (514)			
1-6 1/2 (470)			
1-6 (457)			
0-9 5/16 (237)			
			
	5016	6016	8016
	5020	6020	8020
	5026	6026	8026

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)
1-6 1/4 (464)			
1-8 1/4 (514)			
1-6 1/2 (470)			
1-6 (457)			
0-9 5/16 (237)			
			
	7616	9016	12016
	7620	9020	12020
	7626	9026	12026

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)
1-6 1/4 (464)			
1-8 1/4 (514)			
1-6 1/2 (470)			
1-6 (457)			
0-9 5/16 (237)			
			
	10016	12016	16016
	10020	12020	16020
	10026	12026	16026

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 mulled.

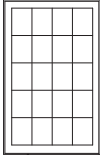
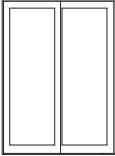
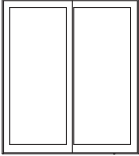
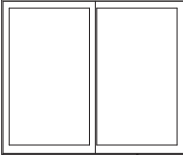
Please consult your local Marvin representative for information on structural mulling guidelines and masonry openings that include casings and subsills.

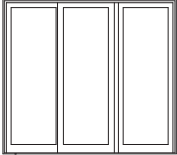
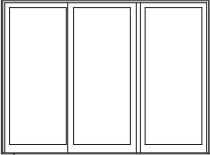
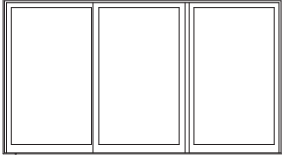
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

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)
6-7 3/4 (2026)						
6-8 (2032)						
6-7 1/2 (2019)						
5-7 7/64 (1075)						
						
	26R66R	30R66R	40R66R	50R66R	60R66R	80R66R

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)
6-7 3/4 (2026)			
6-8 (2032)			
6-7 1/2 (2019)			
5-7 7/64 (1075)a			
			
	76R66R	90R66R	120R66R

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.

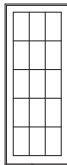
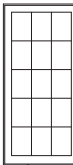
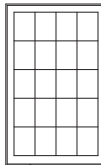
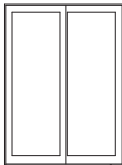
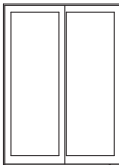
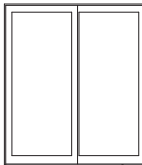
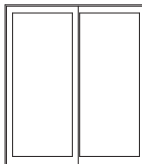
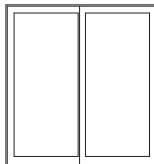
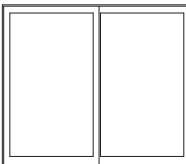
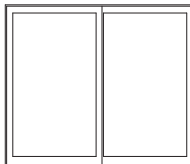
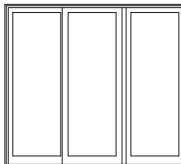
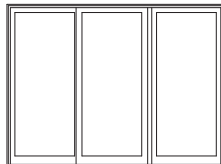
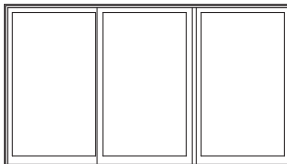
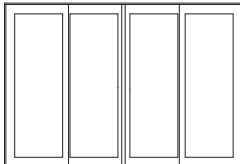
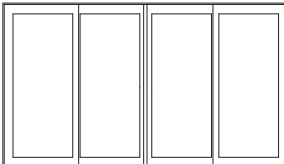
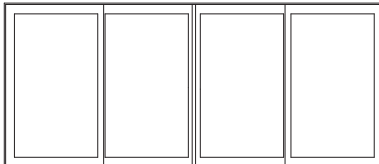
Please consult your local Marvin representative for masonry openings that include casings and subsills.

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)
6-10 1/4 (2089) 6-10 1/2 (2096) 6-10 (2083) 5-9 39/64 (1768)	 2668 2680 2690	 3068 3080 3090	 4068 4080	 50R68 50R80	 5068 5080 5090	 60R68 60R80
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)		
6-10 1/4 (2089) 6-10 1/2 (2096) 6-10 (2083) 5-9 39/64 (1768)	 6068 6080 6090	 6668*	 80R68 80R80	 8068 8080		
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)			
6-10 1/4 (2089) 6-10 1/2 (2096) 6-10 (2083) 5-9 39/64 (1768)	 7668 7680	 9068 9080	 12068 12080			
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)			
6-10 1/4 (2089) 6-10 1/2 (2096) 6-10 (2083) 5-9 39/64 (1768)	 10068 10080	 12068 12080	 16068			

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

Details and Elevations not to scale.

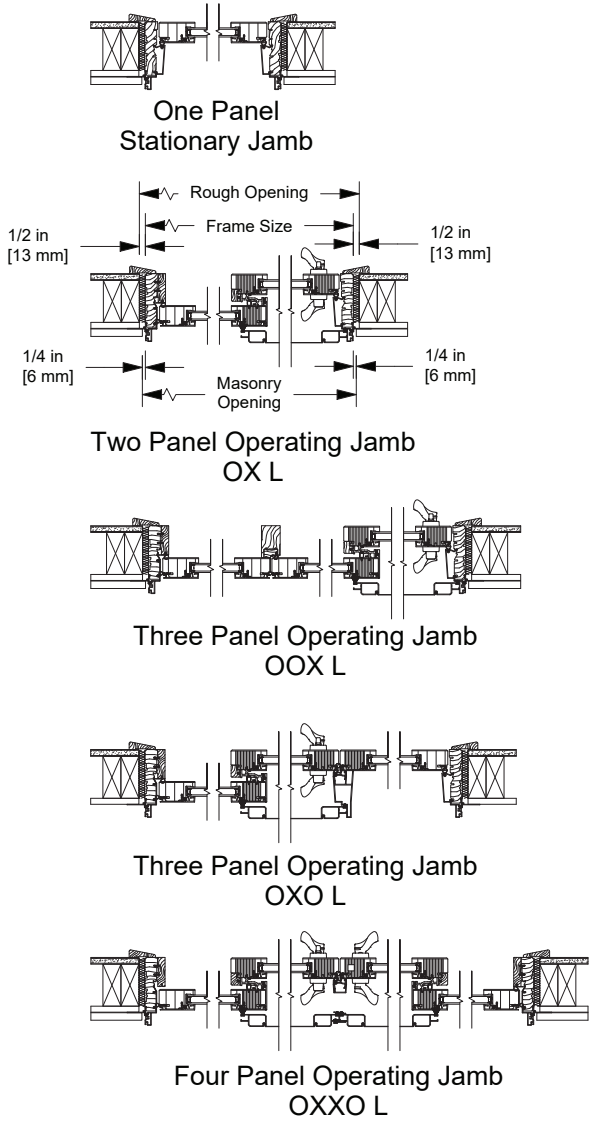
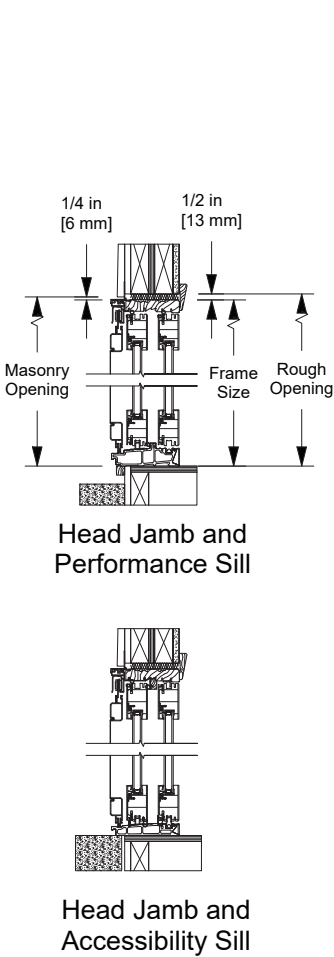
- CN 9-0 heights are limited to 1 and 2 wide configurations using CN2-6 and 3-0 panels.
- * Clad Only

Please consult your local Marvin representative for more information.

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

Sliding Door

Construction Details



Direct Glaze Door Transoms

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

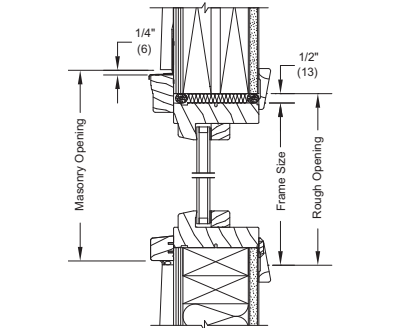
Clad MO (mm)	2-1 15/16 (659)	2-7 15/16 (811)	2-9 15/16 (862)	3-1 15/16 (964)	3-7 15/16 (1116)	5-1 1/8 (1553)
Wood MO (mm)	2-4 9/16 (726)	2-10 9/16 (878)	3-0 9/16 (929)	3-4 9/16 (1030)	3-10 9/16 (1183)	5-3 3/4 (1619)
RO (mm)	2-2 7/16 (672)	2-8 7/16 (824)	2-10 7/16 (875)	3-2 7/16 (976)	3-8 7/16 (1129)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

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

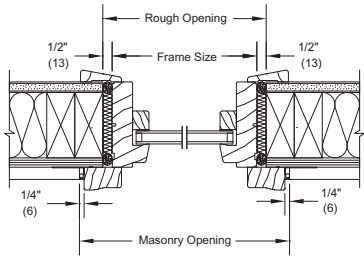
Clad MO (mm)	5-5 1/8 (1654)	6-1 1/8 (1857)	7-1 1/8 (2161)	8-1 1/8 (2467)
Wood MO (mm)	5-7 3/4 (1721)	6-3 3/4 (1924)	7-3 3/4 (2229)	8-3 3/4 (2534)
RO (mm)	5-5 5/8 (1667)	6-1 5/8 (1870)	7-1 5/8 (2175)	8-1 5/8 (2480)
FS (mm)	5-4 5/8 (1641)	6-0 5/8 (1845)	7-0 5/8 (2149)	8-0 5/8 (2454)
DLO (mm)	5-0 11/16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

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

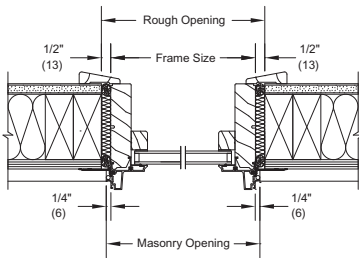
Construction Details



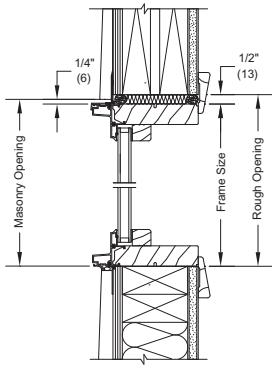
WOOD
HEAD JAMB AND SILL - DIRECT GLAZE



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

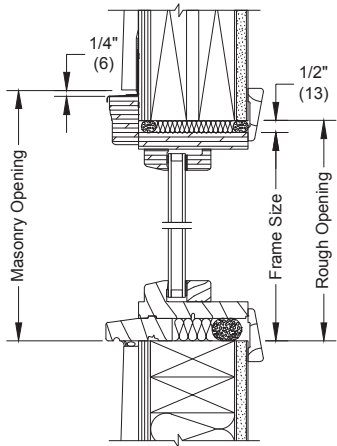
RT1 True Half Circle Standard Sizes - Direct Glaze

RO (mm)	5-0 (1524)	6-0 (1829)	5-1 5/8 (1565)	6-1 5/8 (1870)	8-1 5/8 (2480)
	2-6 (762)	3-0 (914)	2-6 13/16 (783)	3-0 13/16 (1240)	4-0 13/16 (1240)
	UWOFDDGTR50R28R	UWOFDDGTR60R33R	UWOFDDGTR5030	UWOFDDGTR6036	UWOFDDGTR8048
RO (mm)					

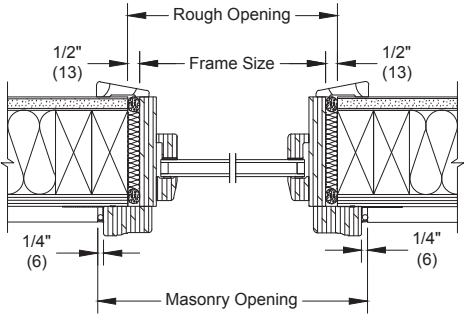
Rt29 Elliptical Standard Sizes - Direct Glaze

RO (mm)	5-0 (1524)	6-0 (1829)	5-1 5/8 (1565)	6-1 5/8 (1870)	8-1 5/8 (2480)
	1-5 15/16 (456)				
	UWOFDDGTR50R14R	UWOFDDGTR60R14R	UWOFDDGTR5017	UWOFDDGTR6017	UWOFDDGTR8021
RO (mm)					

Construction Details



HEAD JAMB AND SILL - DIRECT GLAZE*



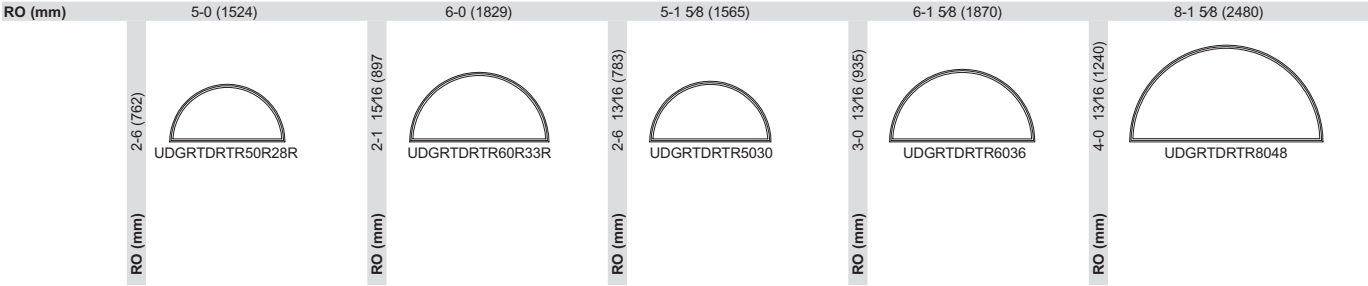
JAMB - DIRECT GLAZE*

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 casings and subsills.
• 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.

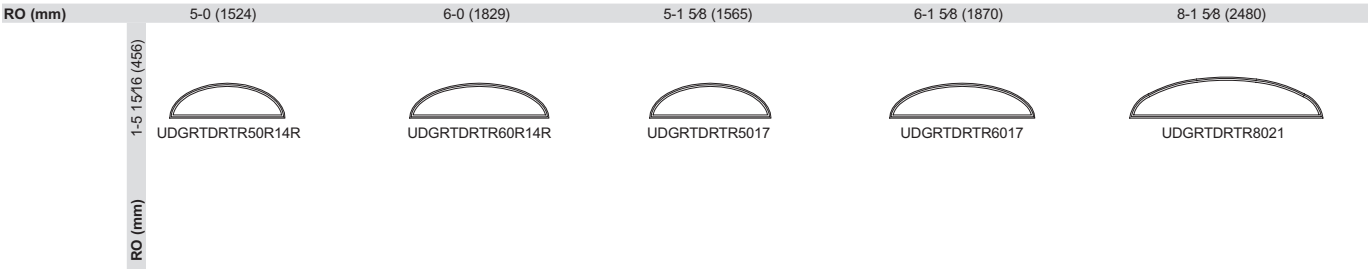
ULTIMATE WOOD DIRECT GLAZE ROUND TOP
DOOR TRANSOMS: UWOFDDGTR

Direct Glaze Round Top Door Transoms

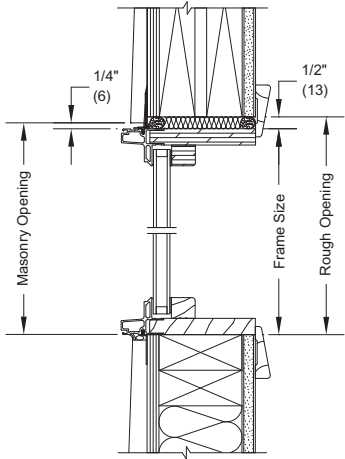
RT1 True Half Circle Standard Sizes - Direct Glaze



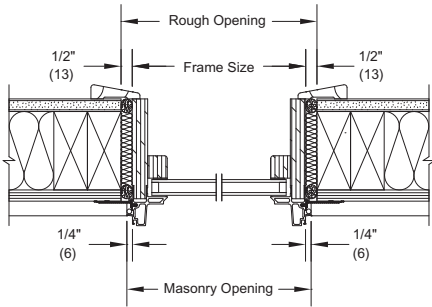
Rt29 Elliptical Standard Sizes Direct - Glaze



Construction Details



HEAD JAMB AND SILL - DIRECT GLAZE



JAMB - DIRECT GLAZE

ULTIMATE DIRECT GLAZE ROUND TOP DOOR TRANSOMS: UDGRTDTR

Wood / Clad Round Top Guide

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

ULTIMATE CASEMENT / AWNING SERIES	
Unit Type	RT Call Number
1W20 CM	UWRT2010 CM
	UWQCIR2020 CM
1W24 CM/AWN	UWRT2412 CM
	UWQCIR2424 CM
	UWRT24__ CM*
1W28 CM/AWN	UWRT2814 CM
	UWQCIR2828 CM
	UWRT28__ CM*
1W32CM or 2W16 CM	UWRT3216 CM
	UWQCIR3232 CM
	UWRT32__ CM*
1W36 CM/AWN	UWRT3618 CM
	UWQCIR3636 CM
	UWRT36__ CM*
1W40 AWN, 2W20 CM or 1W40 CMP	UWRT4020 CM
	UWQCIR4040 CM
	UWRT4017 CM
	UWRT40__ CM*
1W48 AWN, 2W24 CM or 1W48 CMP	UWRT4824 CM
	UWQCIR4848 CM
	UWRT4817 CM
	UWRT48__ CM*
1W56 CMP or 2W28 CM	UWRT5628 CM
	UWRT5617 CM
	UWRT56__ CM*
1W60 CMP or 3W20 CM	UWRT6026 CM
1W64 CMP or 2W32 CM	UWRT6432 CM
1W72 CMP or 2W36 CM or 3W24 CM	UWRT7236 CM
	UWRT7217 CM
	UWRT72__ CM*
3W28 CM/AWN	UWRT8442 CM
	UWRT8417CM
2W48 AWN or 4W24 CM	UWRT9648 CM
24-60-24 TPU	UWRT10854 CM
5W24 CM/AWN	UWRT12060 CM

ULTIMATE DOUBLE HUNG SERIES	
Unit Type	RT Call Number
1W20 DH	UWRT25__ DH*
1W24 DH	UWRT2914 DH
	UWRT29__ DH*
1W26 DH	UWRT3115 DH
	UWRT31__ DH*
1W28 DH	UWRT3316 DH
	UWRT33__ DH*
1W30 DH	UWRT3517 DH
	UWRT35__ DH*
1W32 DH	UWRT3718 DH
	UWRT37__ DH*
1W36 DH	UWRT4120 DH
	UWRT41__ DH*
1W40 DH	UWRT4522 DH
	UWRT 45__ DH*
2W20 DH	UWRT5025 DH
	UWRT5118 DH
	UWRT51__ DH*
2W24 DH	UWRT5828 DH
	UWRT5918 DH
	UWRT59__ DH*
2W28 DH	UWRT6632 DH
	UWRT6718 DH
	UWRT67__ DH*
2W32 DH	UWRT7437 DH
	UWRT7518 DH
	UWRT75__ DH*

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

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

ULTIMATE CASEMENT / AWNING SERIES	
Unit Type	RT Call Number
1W20 CM	UCRT2010 CM
	UCQCIR2020 CM
1W24 CM/AWN	UCRT2412 CM
	UCQCIR2424 CM
	UCRT24__ CM*
1W28 CM/AWN	UCRT2814 CM
	UCQCIR2828 CM
	UCRT28__ CM*
1W32CM or 2W16 CM	UCRT3216 CM
	UCQCIR3232 CM
	UCRT32__ CM*
1W36 CM/AWN	UCRT3618 CM
	UCQCIR3636 CM
	UCRT36__ CM*
1W40 AWN, 2W20 CM or 1W40 CMP	UCRT4020 CM
	UCQCIR4040 CM
	UCRT4017 CM
	UCRT40__ CM*
1W48 AWN, 2W24 CM or 1W48 CMP	UCRT4824 CM
	UCQCIR4848 CM
	UCRT4817 CM
	UCRT48__ CM*
1W56 CMP or 2W28 CM	UCRT5628 CM
	UCRT5617 CM
	UCRT56__ CM*
1W60 CMP or 3W20 CM	UCRT6026 CM
1W64 CMP or 2W32 CM	UCRT6432 CM
1W72 CMP or 2W36 CM or 3W24 CM	UCRT7236 CM
	UCRT7217 CM
	UCRT72__ CM*
3W28 CM/AWN	UCRT8442 CM
	UCRT8417CM
2W48 AWN or 4W24 CM	UCRT9648 CM
24-60-24 TPU	UCRT10854 CM
5W24 CM/AWN	UCRT12060 CM

ULTIMATE DOUBLE HUNG SERIES	
Unit Type	RT Call Number
1W20 DH	UCRT25__ DH*
1W24 DH	UCRT2914 DH
	UCRT29__ DH*
1W26 DH	UCRT3115 DH
	UCRT31__ DH*
1W28 DH	UCRT3316 DH
	UCRT33__ DH*
1W30 DH	UCRT3517 DH
	UCRT35__ DH*
1W32 DH	UCRT3718 DH
	UCRT37__ DH*
1W36 DH	UCRT4120 DH
	UCRT41__ DH*
1W40 DH	UCRT4522 DH
	UCRT 45__ DH*
2W20 DH	UCRT5025 DH
	UCRT5118 DH
	UCRT51__ DH*
2W24 DH	UCRT5828 DH
	UCRT5918 DH
	UCRT59__ DH*
2W28 DH	UCRT6632 DH
	UCRT6718 DH
	UCRT67__ DH*
2W32 DH	UCRT7437 DH
	UCRT7518 DH
	UCRT75__ DH*

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

Details and Elevations not to scale.

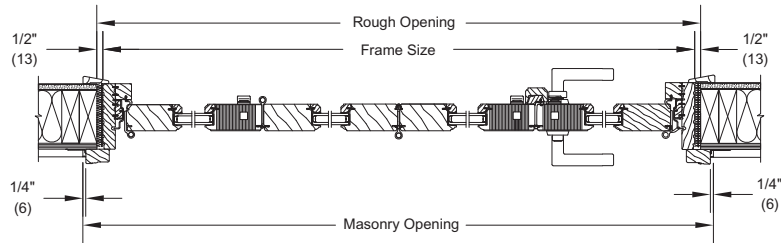
* The underscore indicates that a range of heights are available for eyebrow above springline units. For example 24__ means 24 wide and a range of heights.

Please consult your local Marvin representative for more information.

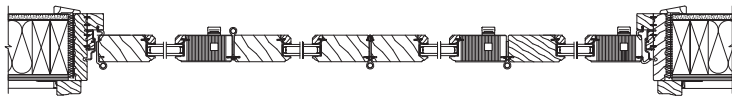
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

Wood Bi-Fold Door

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



JAMBS
FOUR PANEL - 3L1R



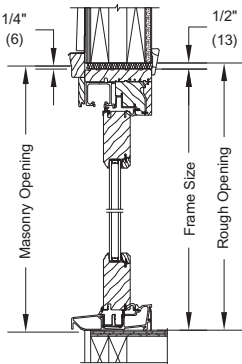
JAMBS
FOUR PANEL - 4L*



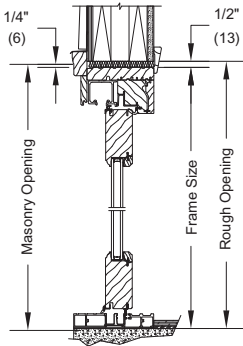
JAMBS
FOUR PANEL - 2L2R*

* Not accessible from exterior.

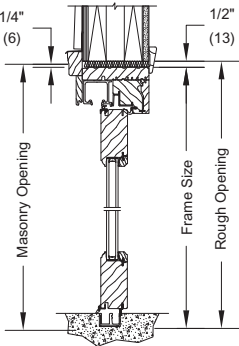
Construction Details - Performance, Low Profile, and Floor Channel Sills



HEAD JAMB AND SILL
SHOWN WITH PERFORMANCE SILL



HEAD JAMB AND SILL
SHOWN WITH LOW PROFILE SILL



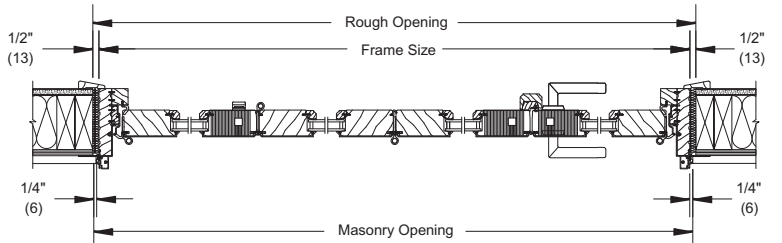
HEAD JAMB AND SILL
SHOWN WITH FLOOR CHANNEL SILL

ULTIMATE WOOD BI-FOLD DOOR - UWBFLLD

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

Bi-Fold Door

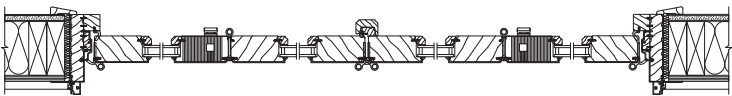
Clad Construction Details - Performance, Low Profile, and Floor Channel Sill



JAMBS
FOUR PANEL - 3L1R



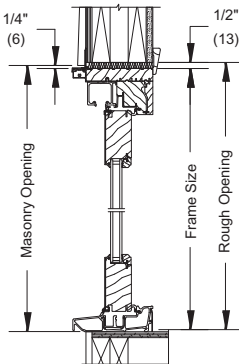
JAMBS
FOUR PANEL - 4L*



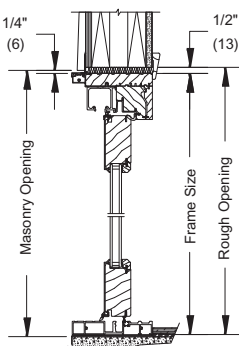
JAMBS
FOUR PANEL - 2L2R*

* Not accessible from exterior.

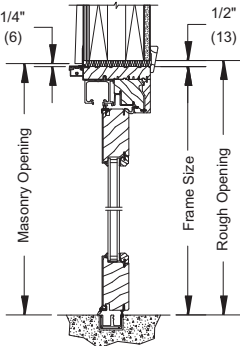
Construction Details - Performance, Low Profile, and Floor Channel Sills



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.

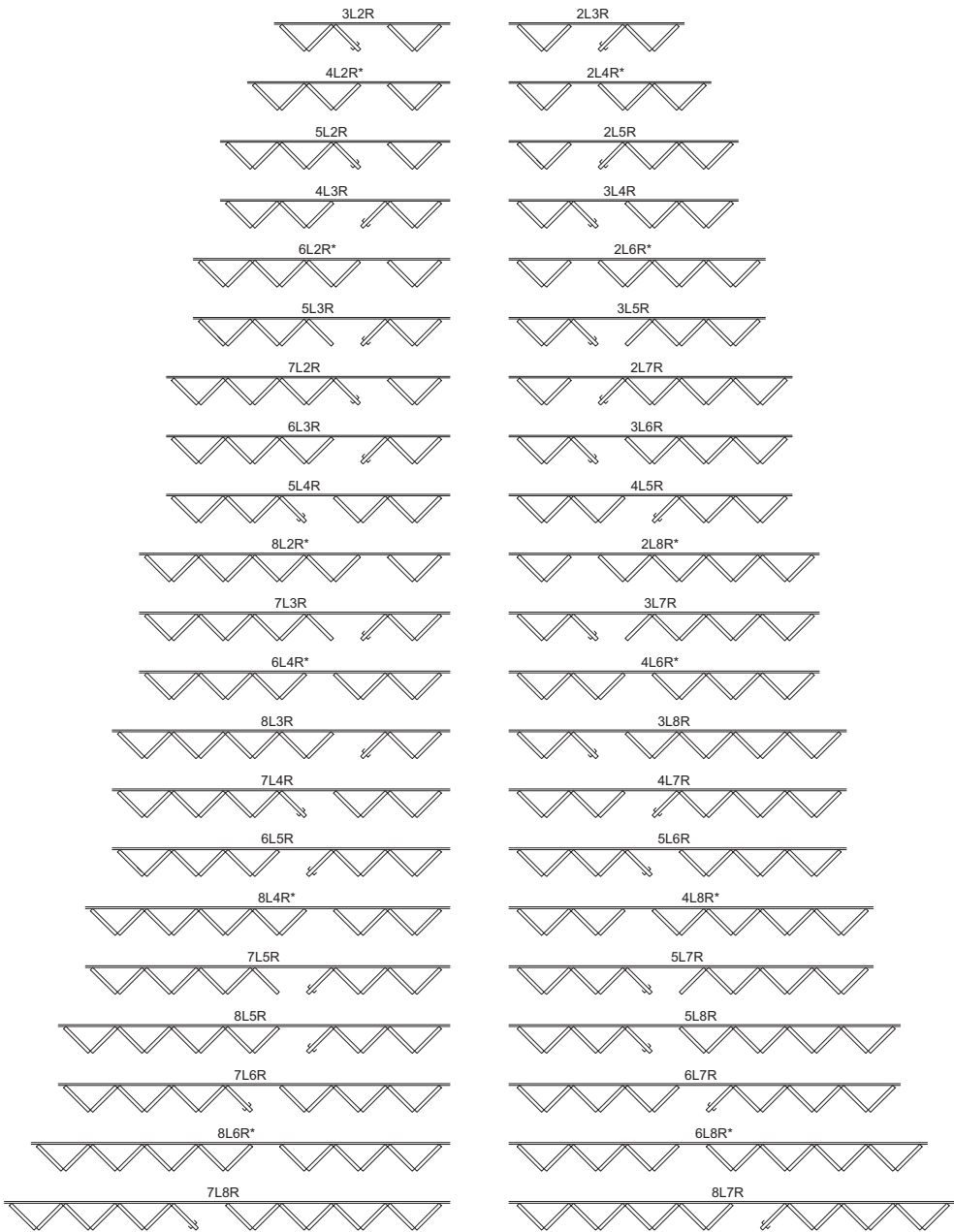
- Configurations available from 1 to 16 operating panels
- Operating panel width: minimum 29 1/16"; maximum 41 1/16"
- Rough opening minimum size: 34" x 51 1/2"
- Rough opening maximum size: 665 1/4" x 114 3/4"

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

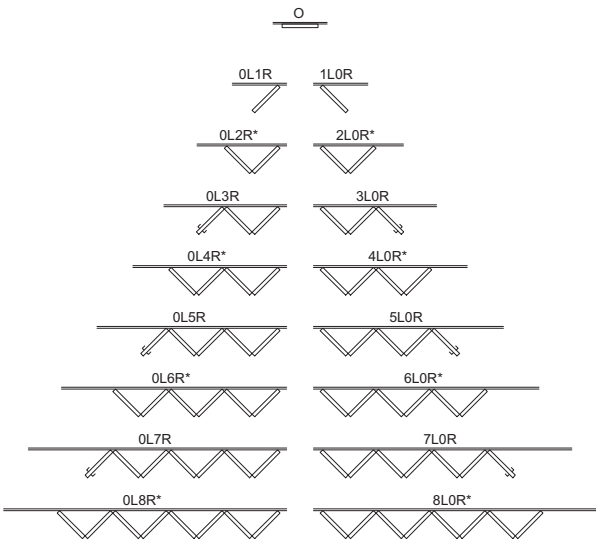


The Ultimate Wood Bi-Fold product is not certified for Air, Water, and Structural performance.
Details and Elevations not to scale.
* Not accessible from exterior.
Please consult your local Marvin representative for more information.
For further details and drawings visit the 'Technical Specifications'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

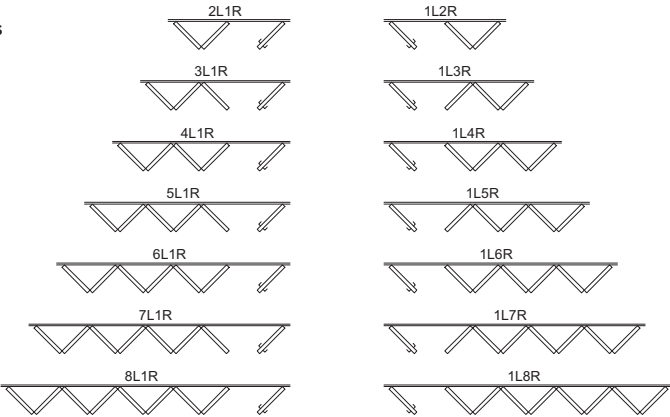
Wood Bi-Fold Door / Bi-Fold Door

Wood and Clad Panel Configurations - Stationary Unit

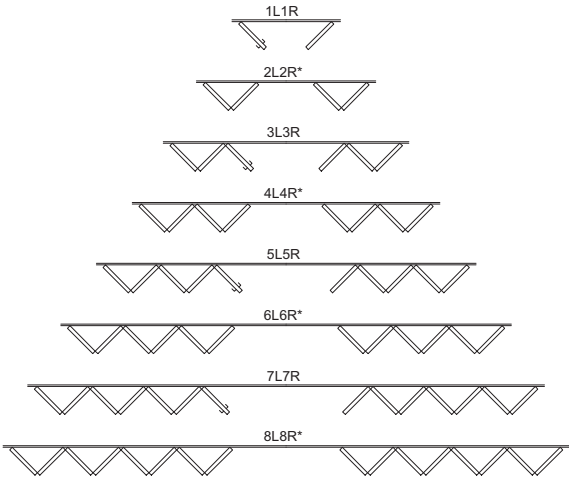
Uni-Directional Left or Right Units



Uni-Directional Left Or Right Units
with Operating Panels



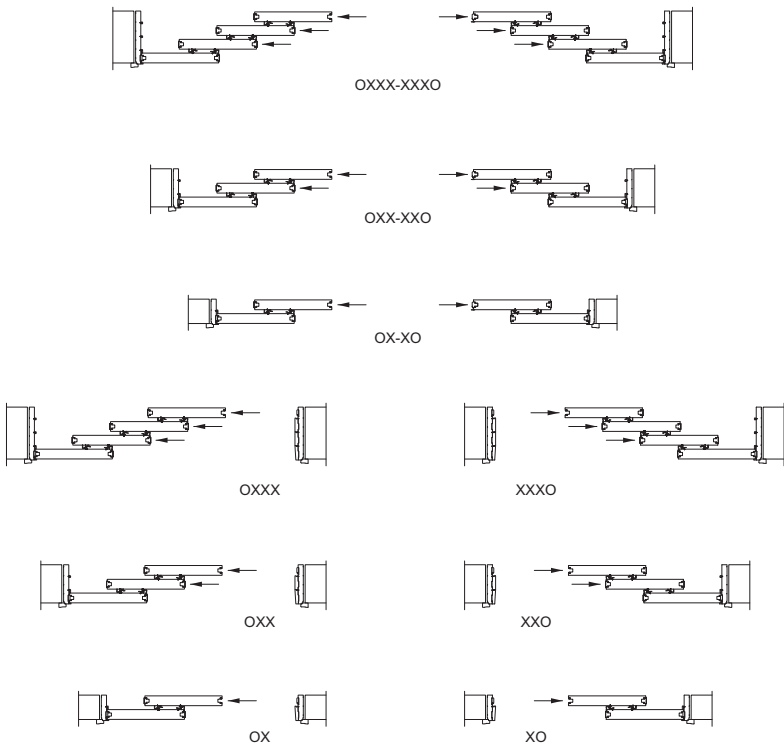
Bi Parting (Equal) Units



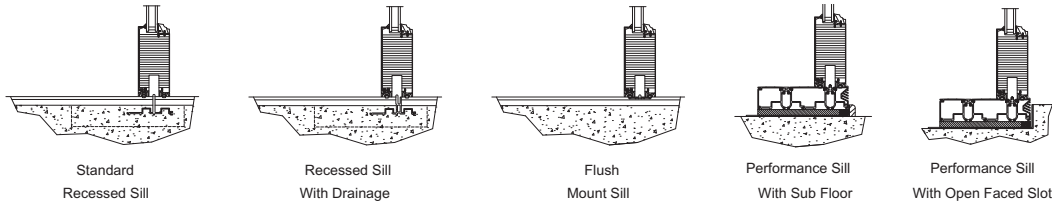
Wood Lift and Slide / Lift and Slide Door

Promoted Sizes and Configurations - Stacked Units

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



Optional Sills - Shown In Clad Also Available In Wood

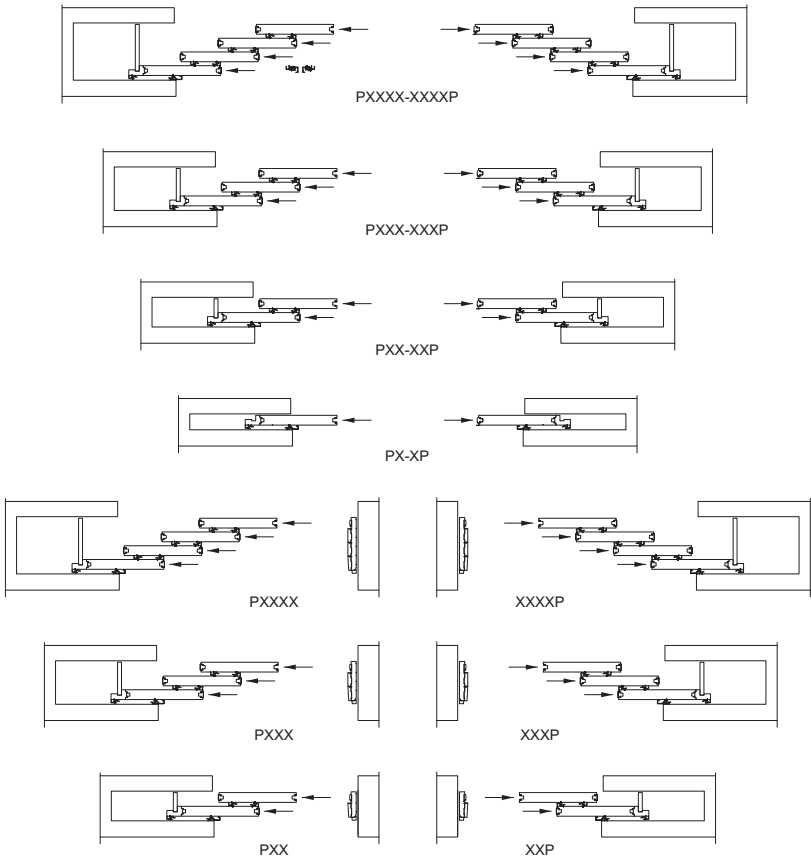


The Ultimate and Ultimate Wood Lift and Slide products are not certified for Air, Water, and Structural performance.

Wood Lift and Slide / Lift and Slide Door

Promoted Sizes and Configurations - Pocket Units

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

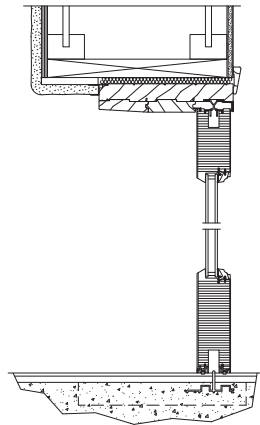


Details and Elevations not to scale.
Please consult your local Marvin representative for more information.
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

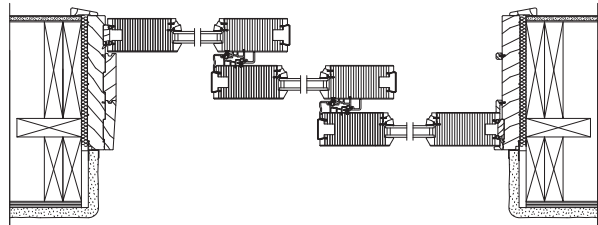
The Ultimate and Ultimate Wood Lift and Slide products are not certified for Air, Water, and Structural performance.

Wood Lift and Slide Door

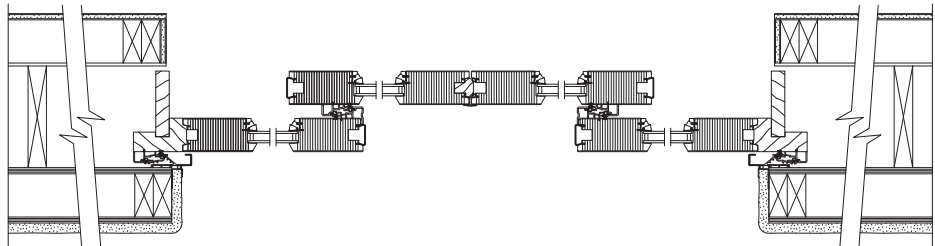
Construction Details - Traditional Panels (Tall Bottom Rail)



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



JAMBS - STACKED
XXO TRADITIONAL PANELS - UNI-DIRECTIONAL



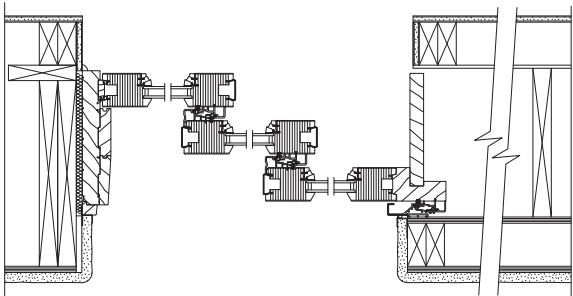
JAMBS - POCKET
PXX-XXP TRADITIONAL PANELS - BI PARTING

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

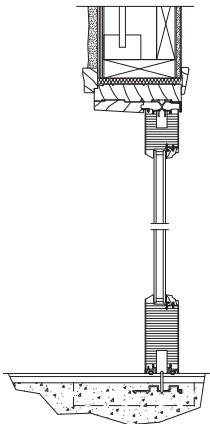
Details and Elevations not to scale.
Please consult your local Marvin representative for more information.
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

Wood Lift and Slide Door

Construction Details - Contemporary Panels (Short Bottom Rail)



JAMBS - POCKET
XXXP CONTEMPORARY PANELS - UNI-DIRECTIONAL



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



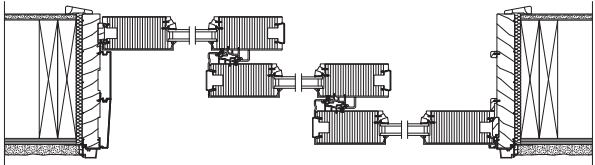
JAMBS - STACKED
OX-XO CONTEMPORARY PANELS - BI PARTING

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

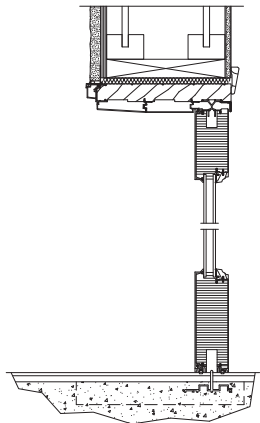
The Ultimate Wood Lift and Slide product is not certified for Air, Water, and Structural performance.

Lift and Slide Door

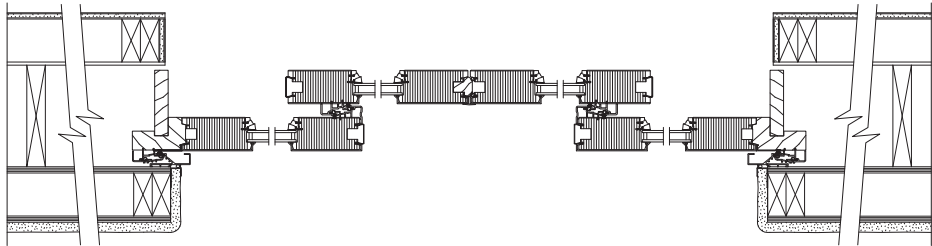
Construction Details - Traditional Panels (Tall Bottom Rail)



JAMBS - STACKED
XXO TRADITIONAL PANELS - UNI-DIRECTIONAL



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

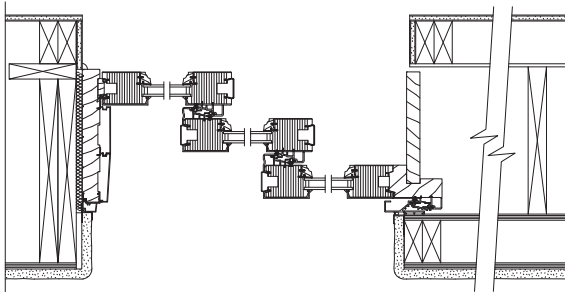


JAMBS - POCKET
PXX-XXP TRADITIONAL PANELS - BI PARTING

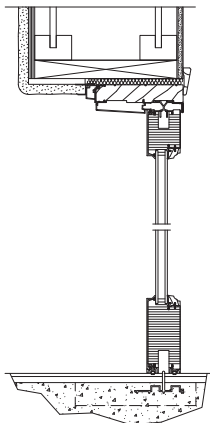
The Ultimate Lift and Slide product is not certified for Air, Water, and Structural performance.

Lift and Slide Door

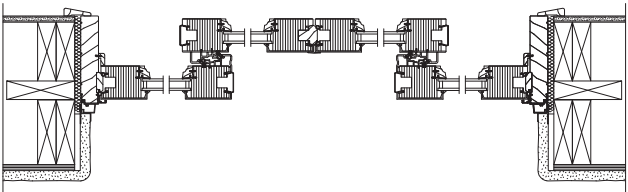
Construction Details - Contemporary Panels (Short Bottom Rail)



JAMBS POCKET
XXXP CONTEMPORARY PANELS - UNI-DIRECTIONAL



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



JAMBS - STACKED
OX-XO CONTEMPORARY PANELS - BI PARTING

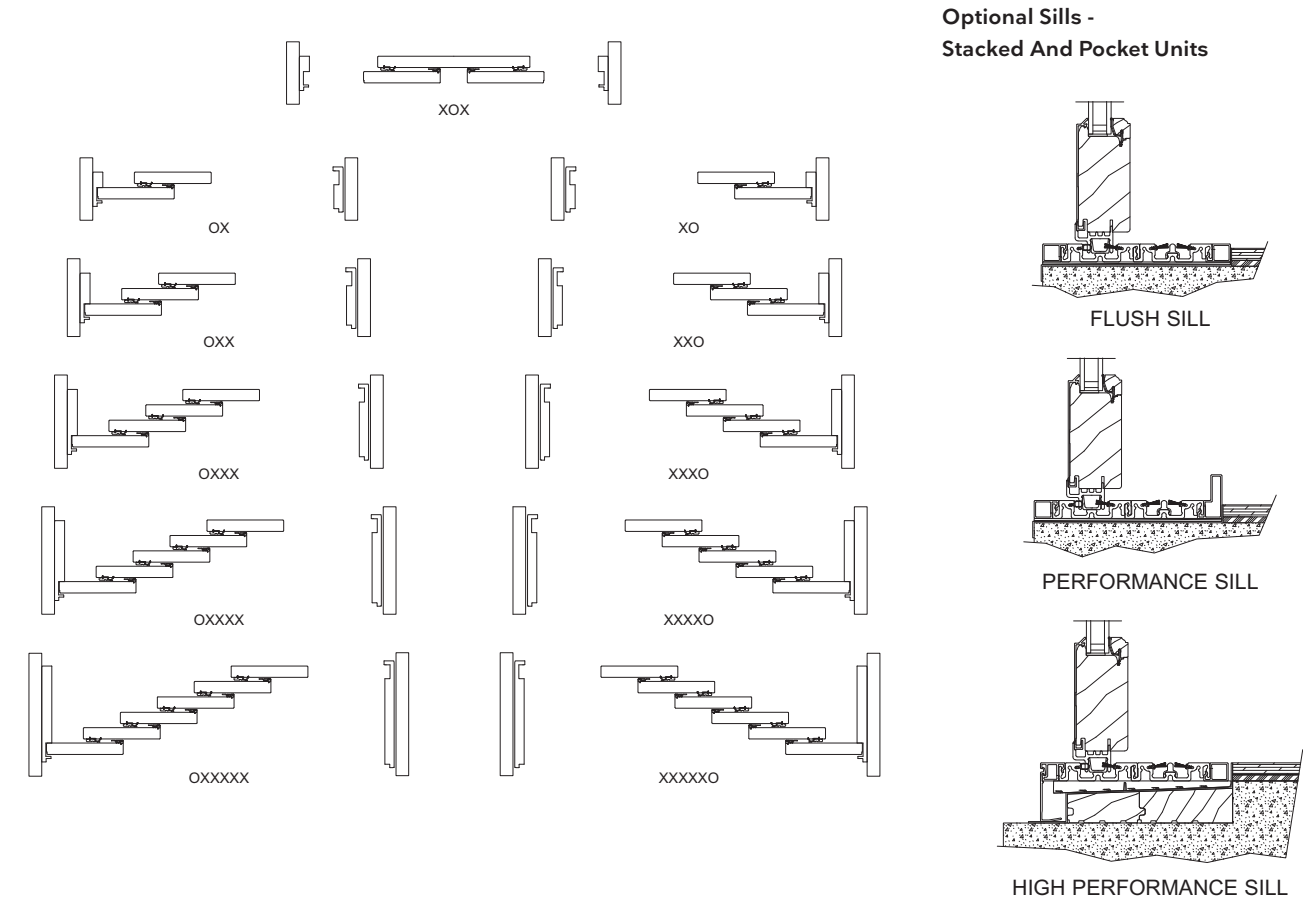
Details and Elevations not to scale.
Please consult your local Marvin representative for more information.
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

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

Multi-Slide Door

Standard Sizes and Configurations - Uni-Directional Stacked

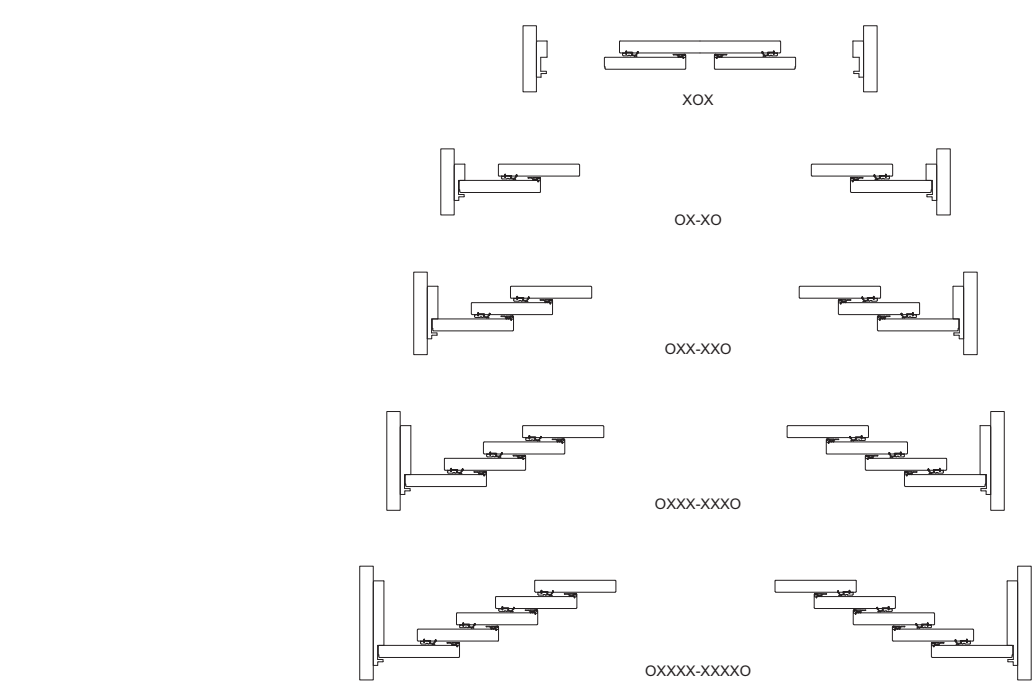
2W OX/XO	3W OXX/XXO	4W OXXX/XXXO	5W OXXXX/XXXXXO	6W OXXXXX/XXXXXXO
6070	9070	12070	15070	18070
8070	12070	16070	20070	24070
10070	15070	20070	25070	30070
12070	18070	24070	30070	36070
6080	9080	12080	15080	18080
8080	12080	16080	20080	24080
10080	15080	20080	25080	30080
12080	18080	24080	30080	36080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



Multi-Slide Door

Standard Sizes and Configurations - Bi Parting Stacked

2W OX-XO	3W OXX-XXO	4W OXXX-XXXO	5W OXXXX-XXXXXO	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	

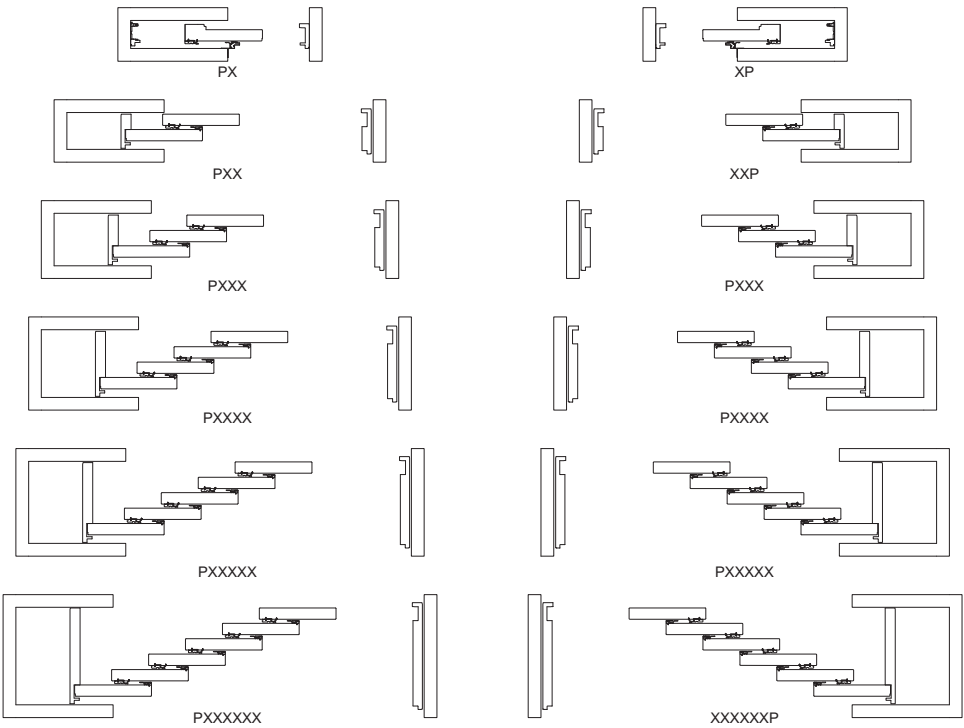


Details and Elevations not to scale.
Please consult your local Marvin representative for more information.
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

Multi-Slide Door

Standard Sizes and Configurations - Uni-Directional Pocket

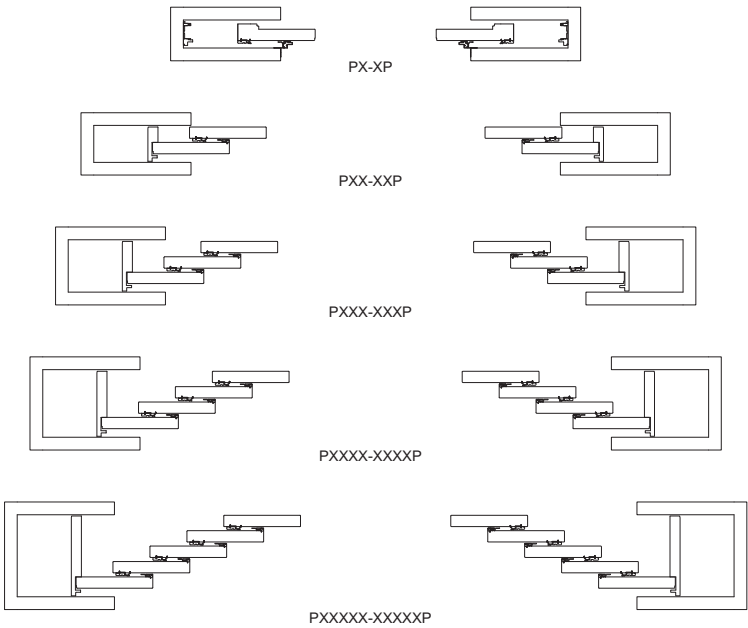
1 PANEL	2 PANEL	3 PANEL	4 PANEL	5 PANEL	6 PANEL
PX/XP	PXX/XXP	PXXX/PXXX	PXXXX/XXXXP	PXXXXX/XXXXXP	PXXXXXX/XXXXXXP
3070	6070	9070	12070	15070	18070
4070	8070	12070	16070	20070	24070
5070	10070	15070	20070	25070	30070
6070	12070	18070	24070	30070	36070
3080	6080	9080	12080	15080	18080
4080	8080	12080	16080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



Multi-Slide Door

Standard Sizes and Configurations - Bi Parting Pocket

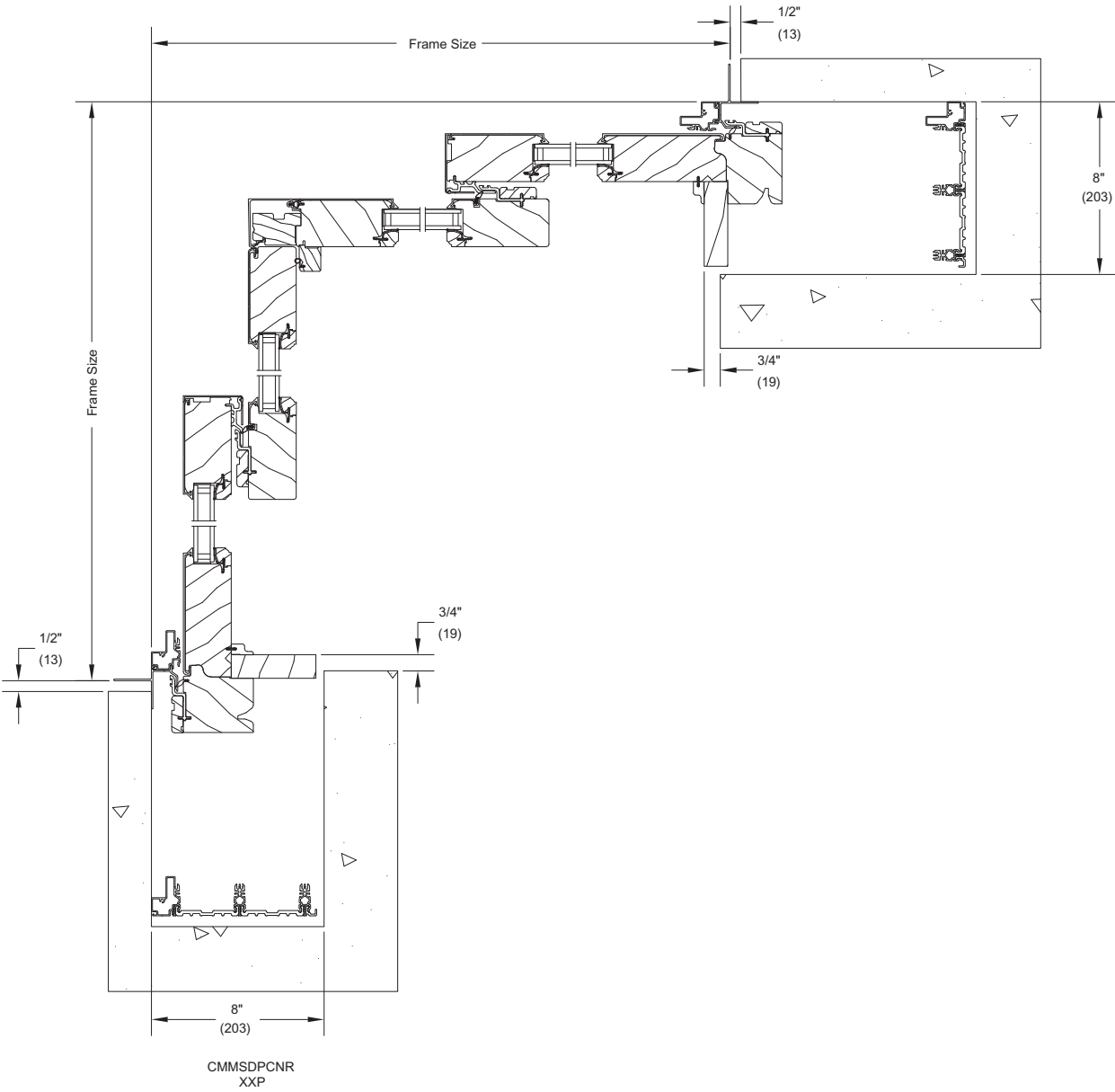
2-PANEL	4-PANEL	6-PANEL	8-PANEL	10-PANEL
PX-XP	PXX-XXP	PXXX-XXXP	PXXXX-XXXXP	PXXXXX-XXXXXP
6070	12070	18070	24070	30070
8070	16070	24070	32070	40070
10070	20070	30070	40070	50070
12070	24070	36070	48070	60070
6080	12080	18080	24080	30080
8080	16080	24080	32080	40080
10080	20080	30080	40080	50080
12080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



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

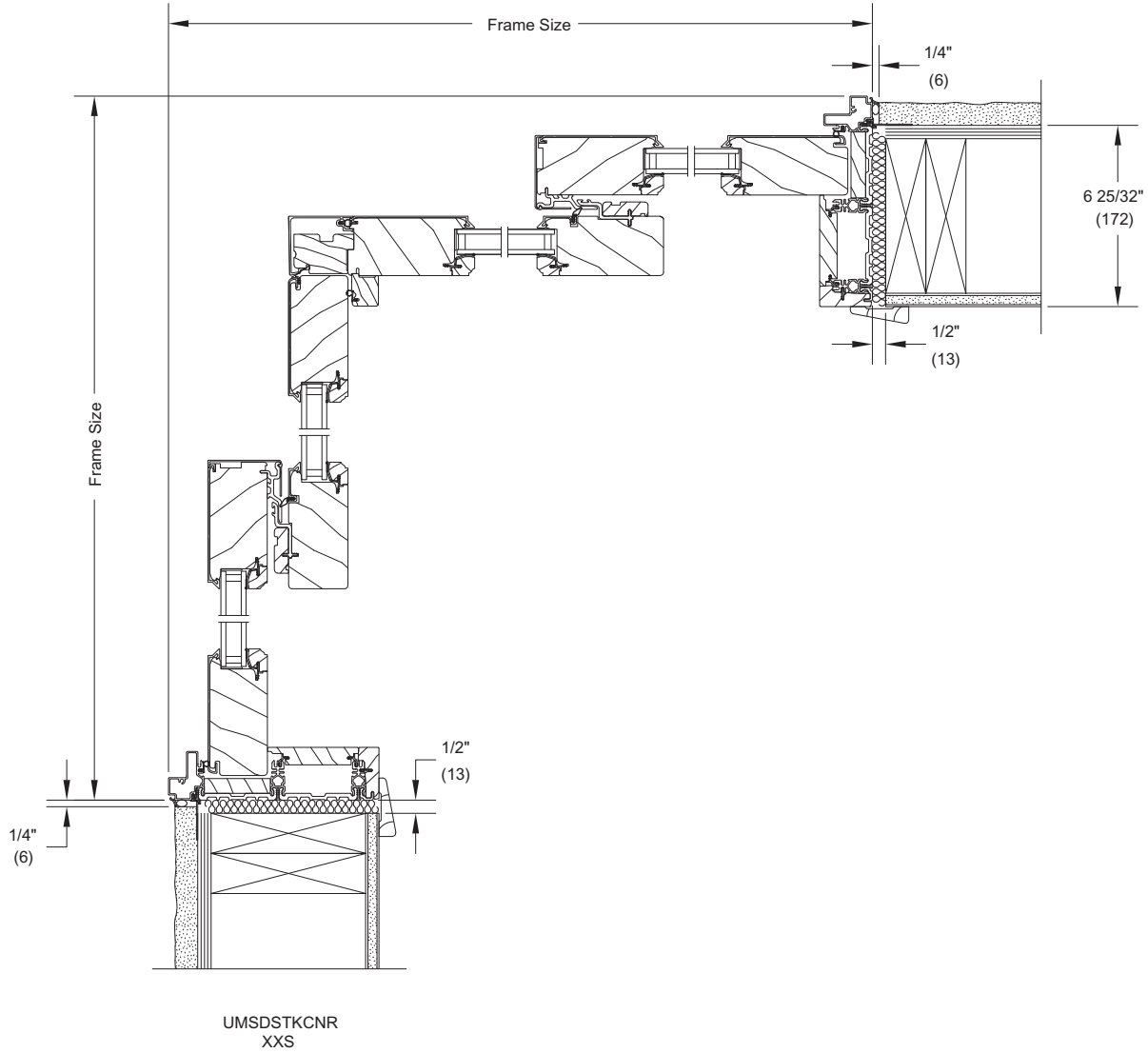
Multi-Slide Door Pocket Corner

Construction Details



Multi-Slide Door Stacked Corner

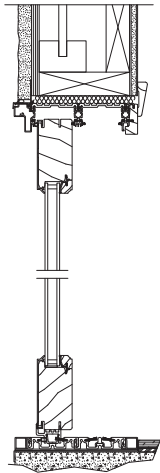
Construction Details



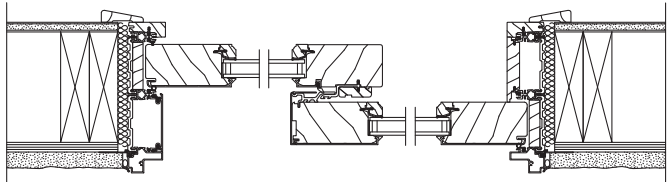
Details and Elevations not to scale.
Please consult your local Marvin representative for more information.
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Multi-Slide Door

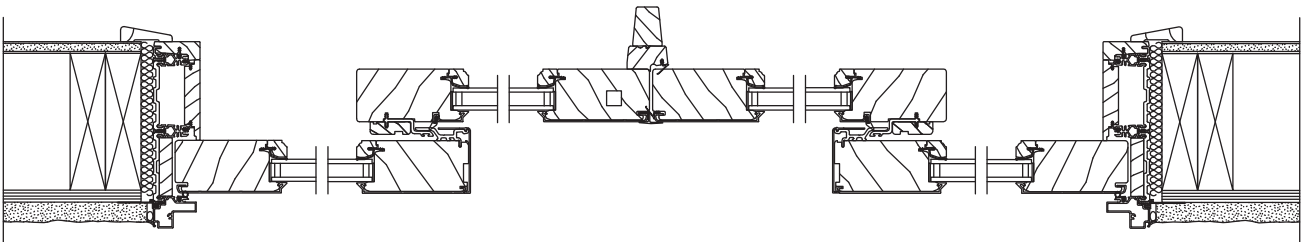
Construction Details - Uni-Directional and Bi Parting Stacked



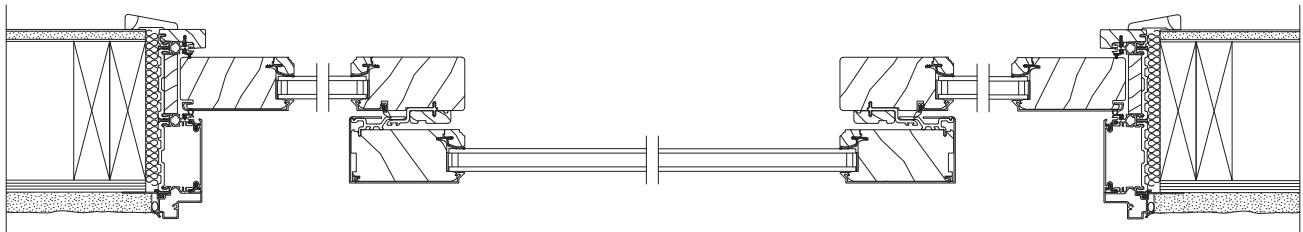
HEAD JAMB AND SILL -
WITH FLUSH SILL



JAMBS -
XO - UNI-DIRECTIONAL STACKED



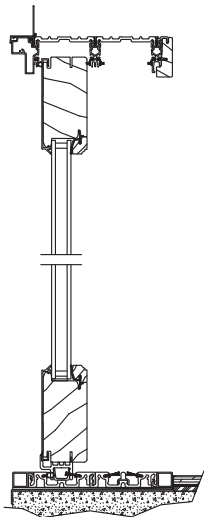
JAMBS -
OX-XO - BI PARTING STACKED



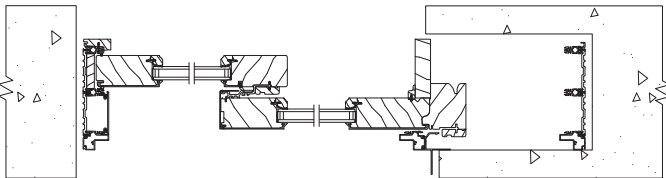
JAMBS -
XOX - BI PARTING STACKED

Multi-Slide Door

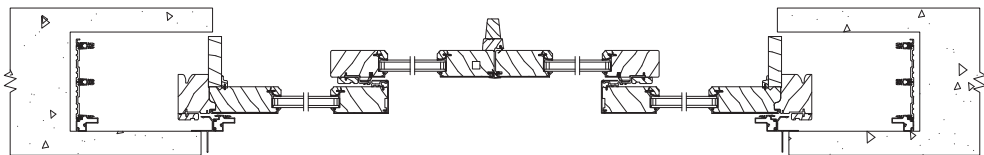
Construction Details - Uni-Directional and Bi Parting Stacked



HEAD JAMB AND SILL -
WITH FLUSH SILL



JAMBS -
XO - UNI-DIRECTIONAL POCKETS

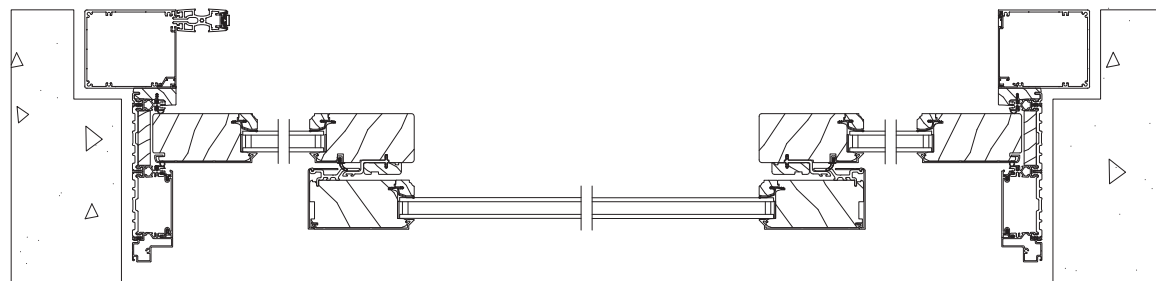


JAMBS -
OX-XO - BI PARTING POCKET

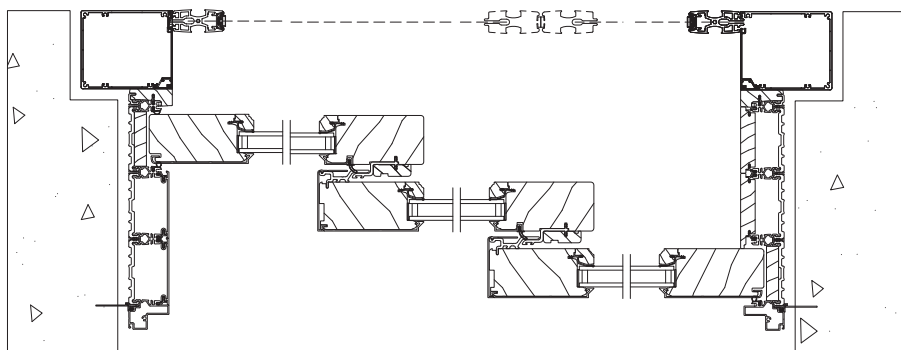
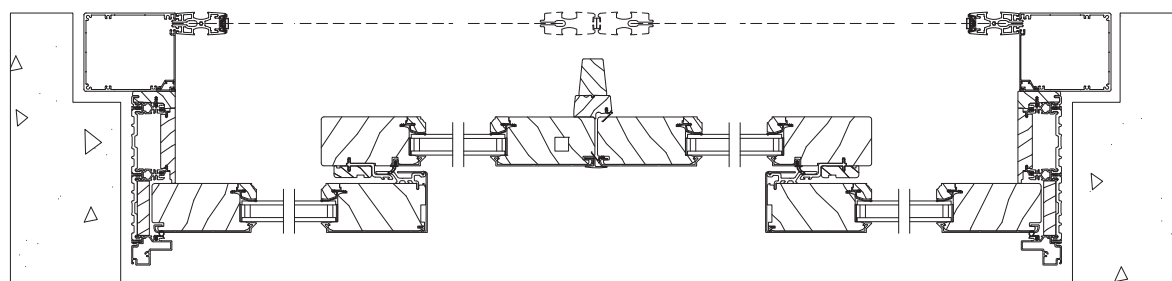
Details and Elevations not to scale.
Please consult your local Marvin representative for more information.
For further details and drawings visit the 'Technical Specifications' section at Marvin.com.

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.

Notes

[illegible]



Since 1912, Marvin has been a family-owned and -led company, with a legacy of innovation and commitment to the highest quality. We understand the unique opportunity windows and doors have to improve our spaces and how we feel in them. That's why we never stop pushing what's possible and inventing new solutions to channel fresh air, enhance light quality, and connect with the world around us.

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