

Wood Direct Glaze Polygon and Round Top

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Wood Direct Glaze Polygon and Round Top

Unit Features: Wood Direct Glaze Polygon

Wood Direct Glaze Polygon: WDPG

Frame

- Frame width: 4 9/16" (116)
- Frame thickness: 1 3/32" (28)
- Minimum frame angle 12°
- Subsill thickness: 15/16" (24)
- Optional 4/4 RT Frame thickness: 11/16"

Glass and Glazing:

- Glazing seal:
 - Glazed from the interior
 - Exterior of the glass is sealed to the frame with glazing sealant
 - Interior of the glass is sealed to the interior glazing bead with glazing tape
- Standard glass: insulating Low E2 Argon or air
 - Optional glazing available: Low E1 Argon or air, Low E3 Argon or air, Low E2/ERS Argon or air, Low E3/ERS Argon or air, clear, tints, tempered, obscure and decorative glass options
 - Optional tripane glazing available: Low E2/E1, E3/E1, E1/E1 air, Argon, Krypton-Argon, or Krypton fill
- Insulating glass will be altitude adjusted with capillary tubes for higher elevations, Argon gas is not included
- ADL glazing options not available with Argon.

CE Glass and Glazing:

- Glazing seal: silicone glazed
- Standard glass: Insulating Low E2 Argon or air
 - Optional glazing available: Low E1 Argon or air, Low E3 Argon or air, clear, laminated clear & tints, tempered, sandblasted
 - Optional tripane glazing available: Low E2/E1, E3/E1, E1/E1 air, Argon, Krypton-Argon, or Krypton fill
- Glass panes available in 3, 4, and 6 mm thicknesses
- Laminated panes available in 7.0 and 7.8 mm thicknesses
- Insulating glass will be altitude adjusted with capillary tubes for higher elevations, Argon gas is not included

Glazing for Impact Units:

- Glazing seal:
 - The glass is set from the interior against a bead of silicone
 - The perimeter of the glass is backfilled with silicone
 - The interior wood bead is secured to the frame with 1 3/8" (35) brad nails nominal 5" on center
- Impact glass setting blocks are used to reduce the chance of glass sliding.

Interior Shades:

- Cellular shade is attached to the window with a removable surround system that houses the cellular shade system
 - Shade cartridge is removable and replaceable
 - One shade per sash opening
 - Shade control: top down, bottom up
- Wood surround frame
 - Species: Pine, Mahogany, or Vertical Grain Douglas Fir
 - Roll formed screen: Satin Taupe (standard), White or Bronze (optional)
- Cellular shade
 - Single non-fire rated hexagonal honeycomb (cellular) 3/4" (19)
 - Semi-opaque fabric (light filtering)
 - Colors: Driftwood, Marigold, Almond, Rose, Denim, Biscuit, Champagne, Moss, Cinnamon, Silver, White, Stone, Tan, Ivory, or Eggshell
 - Opaque fabric (blackout)
 - Colors: White, Stone, Tan, Ivory, or Eggshell
- Order options:
 - Ship separate: shade system packages separate and ships same time as the unit

Wood Direct Glaze Polygon and Round Top

Unit Features: Wood Direct Glaze Polygon

- Ship later: shade system ships at a later date chosen by the customer
 - Shade option must be chosen at the time of unit order
 - Fabric opacity and color can be chosen at later date
- Retro fit: ordered as a complete shade system through configured parts

Mulling Options:

- Factory mulling is available
- Maximum mulled assembly: Masonry Opening 144" x 103"
- Mulling options: direct mull, 3/8" mull reinforcement, 1" LVL structural mull, space mull, stud pocket

CE Mulling Options:

- Mullled assemblies up to 64" (1626) x 71 1/8" (1807) as a 1H x multi-width
- Mullled assemblies with 1" (25) LVL or 3/8" (10) aluminum mull reinforcement up to 122" (3099) x 104 1/4" (2648) as a multi-wide or multi-high assembly

Min/Max Guidelines and Certified Sizes: Standard Wood Direct Glaze Polygon

Minimum Guidelines - Direct Glaze Polygon							
Unit Type		Frame Size				Minimum Short leg	
		Min Width		Min Height			
		in	mm	in	mm	in	mm
Single Glaze	P3	23	(584)	23 1/2	(597)	6	(152)
	P4	15	(381)	15 1/2	(394)	6	(152)
	P5	15	(381)	15 1/2	(394)	6	(152)
	P6	15	(381)	15 1/2	(394)	6	(152)
	P8	15	(381)	15 1/2	(394)	6	(152)
Insulating Glass	P3	23	(584)	23 1/2	(597)	6	(152)
	P4	15	(381)	15 1/2	(394)	6	(152)
	P5	15	(381)	15 1/2	(394)	6	(152)
	P6	15	(381)	15 1/2	(394)	6	(152)
	P8	15	(381)	15 1/2	(394)	6	(152)

Maximum Guidelines - Direct Glaze Polygon									
Unit Type		Non-Certified Frame Size				Certified Frame Size			
		Max Width		Max Height		Max Width		Max Height	
		in	mm	in	mm	in	mm	in	mm
Single Glaze	All Shapes	145 9/16	(1392)	54 13/16	(1392)	84	(2134)	87	(2210)
		90 1/2	(2210)	87	(2210)	97 15/16	(2488)	74	(1880)
		86 1/16	(2323)	91 7/16	(2323)	87	(2210)	84	(2134)
		53 7/8	(3721)	146 1/2	(3721)	74	(1880)	97 15/16	(2488)
Insulating Glass	All Shapes	145 9/16	(1648)	64 7/8	(1648)	84	(2134)	97 15/16	(2488)
		107 3/4	(2210)	87	(2210)	97 15/16	(2488)	84	(2134)
		86 1/16	(2761)	108 11/16	(2761)				
		63 15/16	(3721)	146 1/2	(3721)				
CE Product	All Shapes					84	(2134)	96	(2438)
						96	(2438)	84	(2134)

NOTE: Single glaze is not available with CE mark

Minimum and Maximum - Direct Glaze Polygon Interior Shade Option								
Unit Type	Minimum Frame Size				Maximum Frame Size			
	Width		Height		Width		Height	
	in	mm	in	mm	in	mm	in	mm
Rectangular Direct Glaze	12	(305)	11 1/8	(283)	72	(1829)	113 3/8	(2880)

Wood Direct Glaze Polygon and Round Top

Minimum and Maximum Guidelines: Impact Wood Direct Glaze Polygon

Minimum Guidelines - Direct Glaze Polygon							
Unit Type		Frame Size				Minimum Short leg	
		Min Width		Min Height			
		in	mm	in	mm	in	mm
IZ3 Impact Product	P3	23	(584)	23 1/2	(597)	6	(152)
	P4	15	(381)	15 1/2	(394)	6	(152)
	P5	15	(381)	15 1/2	(394)	6	(152)
	P6	15	(381)	15 1/2	(394)	6	(152)
	P8	15	(381)	15 1/2	(394)	6	(152)

Maximum Guidelines - Direct Glaze Polygon					
Unit Type		Certified Frame Size			
		Max Width		Max Height	
		in	mm	in	mm
IZ3 Impact Product	All Shapes	73	(1854)	73 15/16	(1878)

NOTE: CE mark is not available on Impact units

Wood Direct Glaze Polygon and Round Top

Certified Sizes and Ratings: Standard Units and Impact

Standard Product	Air Tested to psf	Water Tested to psf	Structural Tested to psf	Certification Rating	Design Pressure (DP)	Max Overall		Max Overall	
						in	mm	in	mm
Wood Direct Glaze Polygon and Round Top	1.57	8.25	75	CW-PG50-FW	50	84	(2134)	97 15/16	(2488)

Impact Product	Air Tested to psf	Water Tested to psf	Structural Tested to psf	Certification Rating	Design Pressure (DP)	Max Overall		Max Overall	
						in	mm	in	mm
Wood Direct Glaze Polygon and Round Top	1.57	8.25	82.5	CW-PG55-FW	+55/-65	73	(1854)	73 15/16	(1878)

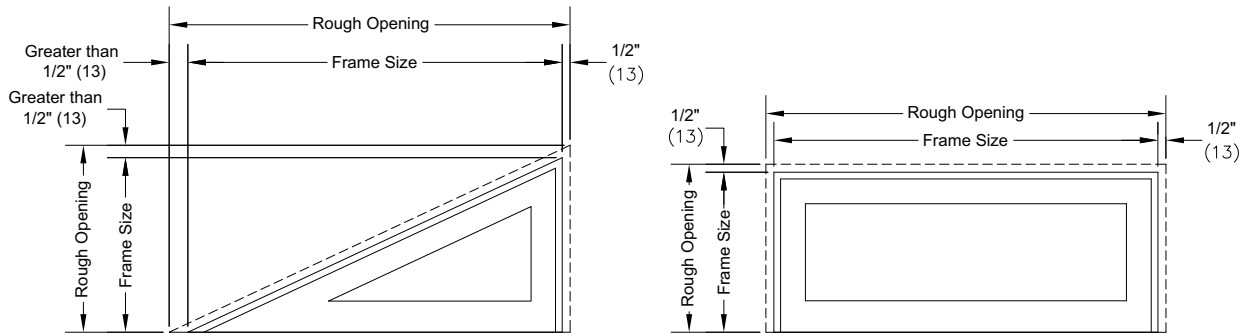
NOTE: For CE ratings, please refer to CE Performance Section.

Wood Direct Glaze Polygon and Round Top

Measurement Conversions: Wood Direct Glaze Polygon

Direct Glaze - IG & SG					
Unit Measurements		Width		Height	
From	To				
Rough Opening		in	mm	in	mm
OM Frame	Rough Opening	+ 1	(25)	+ 1/2	(13)
Masonry Opening	Rough Opening	-2 1/2	(64)	-1 1/4	(32)
Frame		in	mm	in	mm
Rough Opening	Daylight Opening	-4 15/16	(125)	-5 3/8	(137)
Glass		in	mm	in	mm
Daylight Opening	Glass	+ 1 3/8	(35)	+ 1 3/8	(35)
Energy Panel - available on SG only		in	mm	in	mm
Rough Opening	OM of Energy Panel	-3 5/16	(84)	-3 3/4	(95)
Interior Shade		in	mm	in	mm
OM of Frame (manufactured 5/4 frame)	Shade Surround	-2 9/32	(58)	-2 9/32	(58)
OM of Frame (manufactured 4/4 frame)	Shade Surround	-1 15/32	(37)	-1 15/32	(37)

NOTE: Minimum angle on any shape wood unit is 12 degrees.
Conversions do not include subsill.



NOTE: 1/2" (13) Rough Opening tolerance is maintained perpendicular to the frame of polygon units.
1/4" (6) Masonry Opening tolerance is maintained perpendicular to the frame or casing of polygon units.
Measurement tolerances vary due to polygon angles. Specify either Frame Size or Rough Opening measurement, Marvin will calculate the appropriate tolerances.
Elevations above are shown without casing.

Wood Direct Glaze Polygon and Round Top

Slope To Angle and Angle to Pitch Conversion - Wood Direct Glaze Polygon

Slope to Angle / Degree Conversions					
Slope	Angle	Degree / Minutes	Slope	Angle	Degree / Minutes
1/12	4.76	4 degree 46'	13/12	47.29	47 degree 14'
2/12	9.46	9 degree 28'	14/12	49.40	49 degree 24'
3/12	14.04	14 degree 2'	15/12	51.34	51 degree 20'
4/12	18.43	18 degree 26'	16/12	53.13	53 degree 8'
5/12	22.62	22 degree 37'	17/12	54.78	54 degree 47'
6/12	26.57	26 degree 34'	18/12	56.31	56 degree 19'
7/12	30.26	30 degree 15'	19/12	57.72	57 degree 43'
8/12	33.69	33 degree 41'	20/12	59.04	59 degree 2'
9/12	36.87	36 degree 52'	21/12	60.26	60 degree 15'
10/12	39.81	39 degree 48'	22/12	61.39	61 degree 23'
11/12	42.51	42 degree 31'	23/12	62.45	62 degree 27'
12/12	45.00	45 degree 0'	24/12	63.43	63 degree 26'

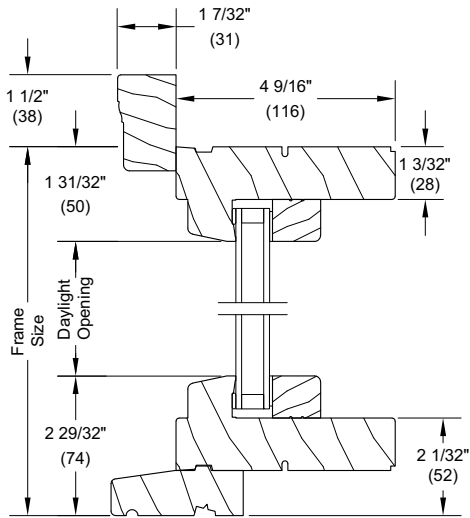
Angle to Pitch conversions							
Angle	Pitch	Angle	Pitch	Angle	Pitch	Angle	Pitch
1	0.21/12	26	5.85/12	51	14.82/12	76	48.13/12
2	0.42/12	27	6.11/12	52	15.36/12	77	51.98/12
3	0.63/12	28	6.38/12	53	15.92/12	78	56.46/12
4	0.84/12	29	6.65/12	54	16.52/12	79	61.73/12
5	1.05/12	30	6.93/12	55	17.14/12	80	68.06/12
6	1.26/12	31	7.21/12	56	17.79/12	81	75.77/12
7	1.47/12	32	7.50/12	57	18.48/12	82	85.38/12
8	1.69/12	33	7.79/12	58	19.20/12	83	97.73/12
9	1.90/12	34	8.09/12	59	19.97/12	84	114.17/12
10	2.12/12	35	8.40/12	60	20.78/12	85	137.16/12
11	2.33/12	36	8.72/12	61	21.65/12	86	171.61/12
12	2.55/12	37	9.04/12	62	22.57/12	87	228.97/12
13	2.77/12	38	9.38/12	63	23.55/12	88	343.64/12
14	2.99/12	39	9.72/12	64	24.60/12	89	687.48/12
15	3.22/12	40	10.07/12	65	25.73/12		
16	3.44/12	41	10.43/12	66	26.95/12		
17	3.67/12	42	10.80/12	67	28.27/12		
18	3.90/12	43	11.19/12	68	29.70/12		
19	4.13/12	44	11.59/12	69	31.26/12		
20	4.37/12	45	12.00/12	70	32.97/12		
21	4.61/12	46	12.43/12	71	34.85/12		
22	4.85/12	47	12.87/12	72	36.93/12		
23	5.09/12	48	13.33/12	73	39.25/12		
24	5.34/12	49	13.80/12	74	41.85/12		
25	5.60/12	50	14.30/12	75	44.78/12		

Wood Direct Glaze Polygon and Round Top

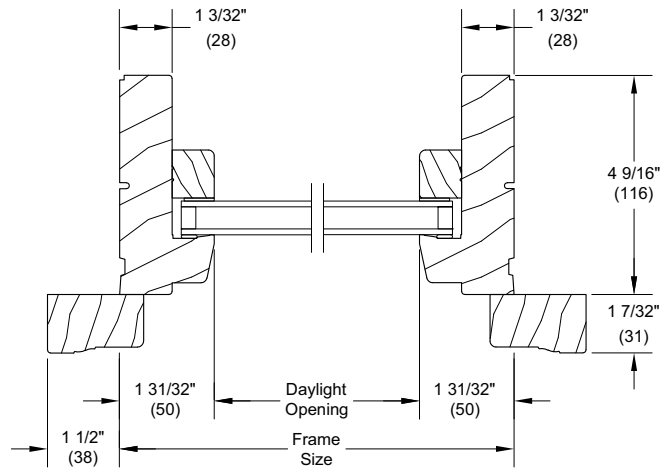
Section Details: Wood Direct Glaze Polygon

Scale: 3' = 1' 0"

Insulating Glass

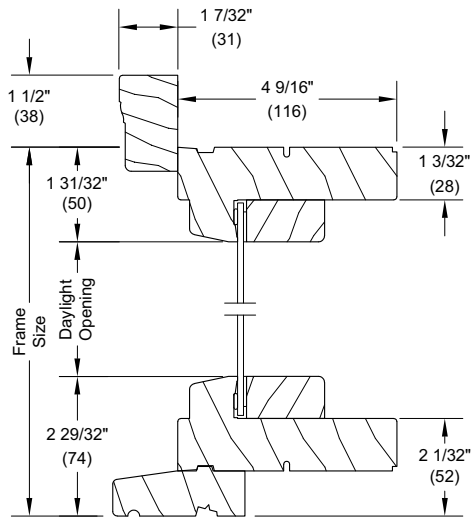


Head Jamb and Sill



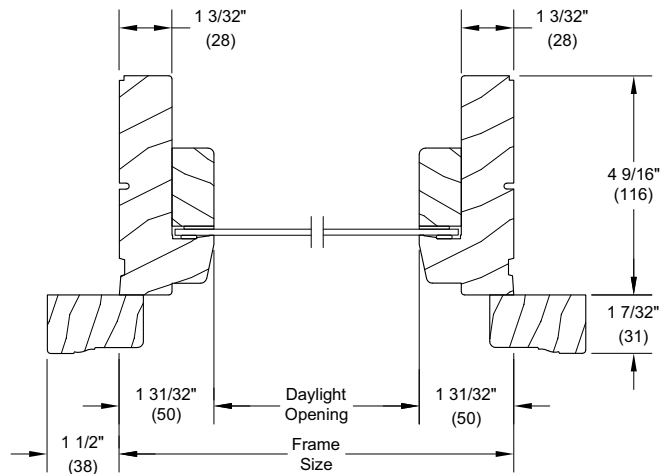
Jamb

Single Glaze



Head Jamb and Sill

NOTE: Single glaze is not available with CE mark

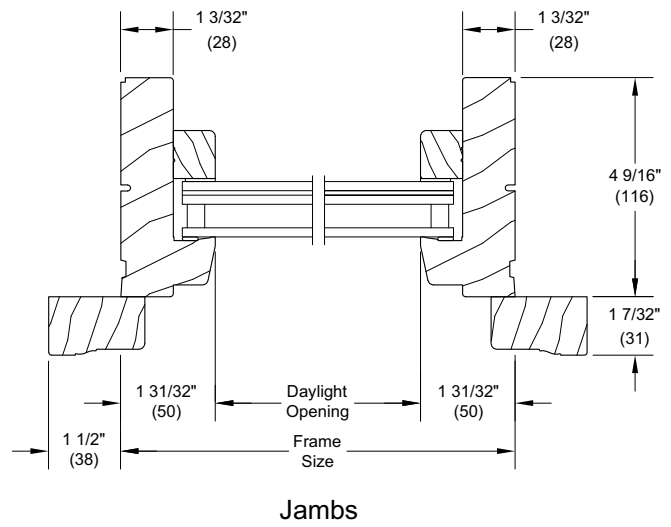
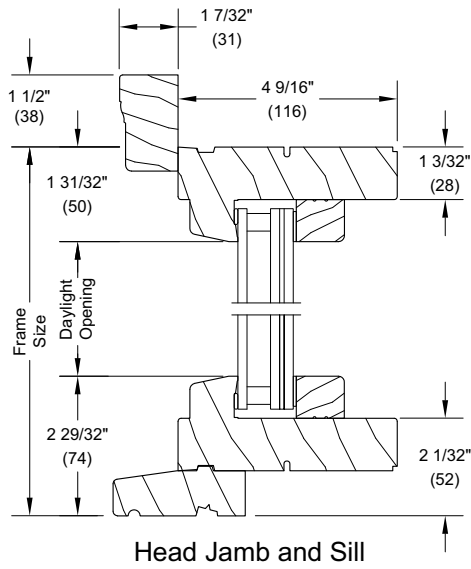


Jamb

Wood Direct Glaze Polygon and Round Top

Section Details: Wood Direct Glaze Polygon - IZ3

Scale: 3' = 1' 0"

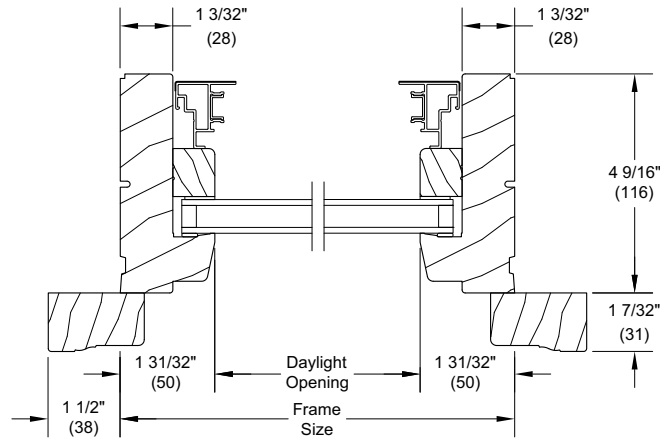


NOTE: CE mark is not available on Impact units

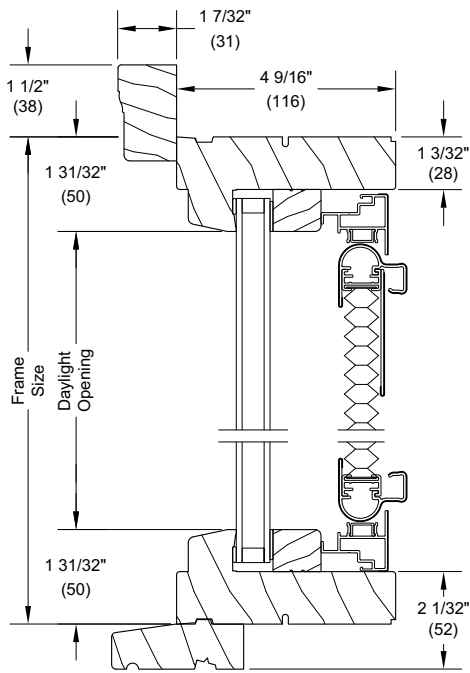
Wood Direct Glaze Polygon and Round Top

Section Details: Interior Shade Option

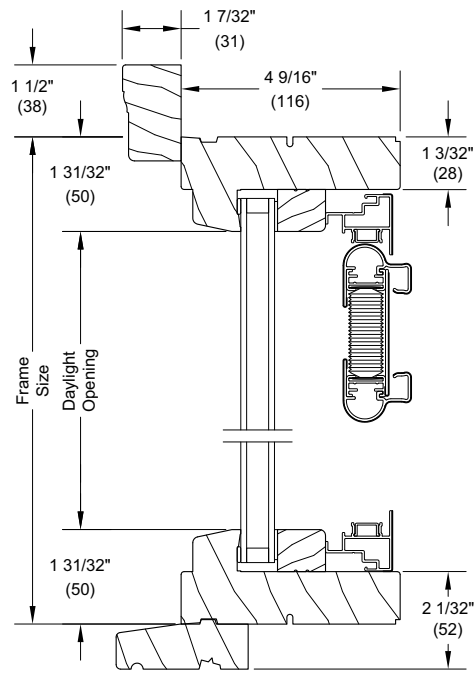
Scale: 3' = 1' 0"



Jambs



Head Jamb and Sill
Shades Closed

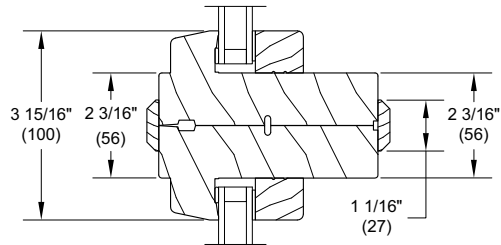


Head Jamb and Sill
Shades Open

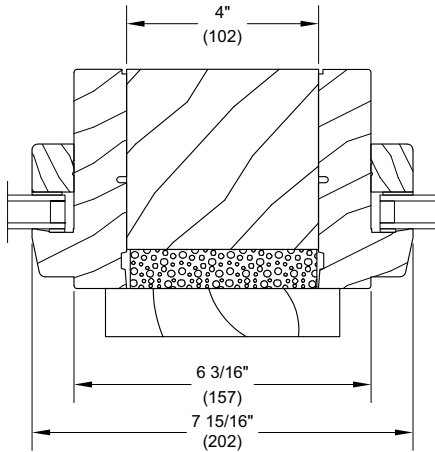
Wood Direct Glaze Polygon and Round Top

Section Details: Wood Direct Glaze Polygon Mullion Options

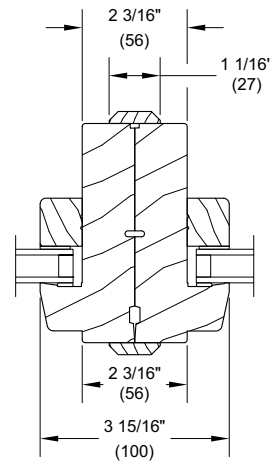
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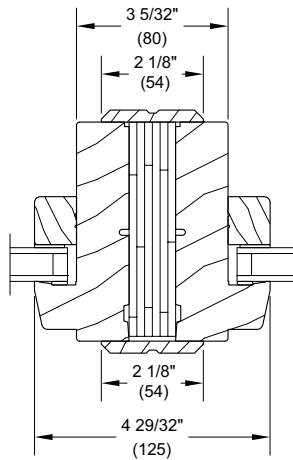
Horizontal Mullion



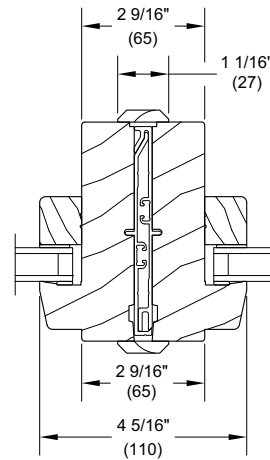
4" Solid Wood Blocking
Vertical Space Mull



Vertical Mullion

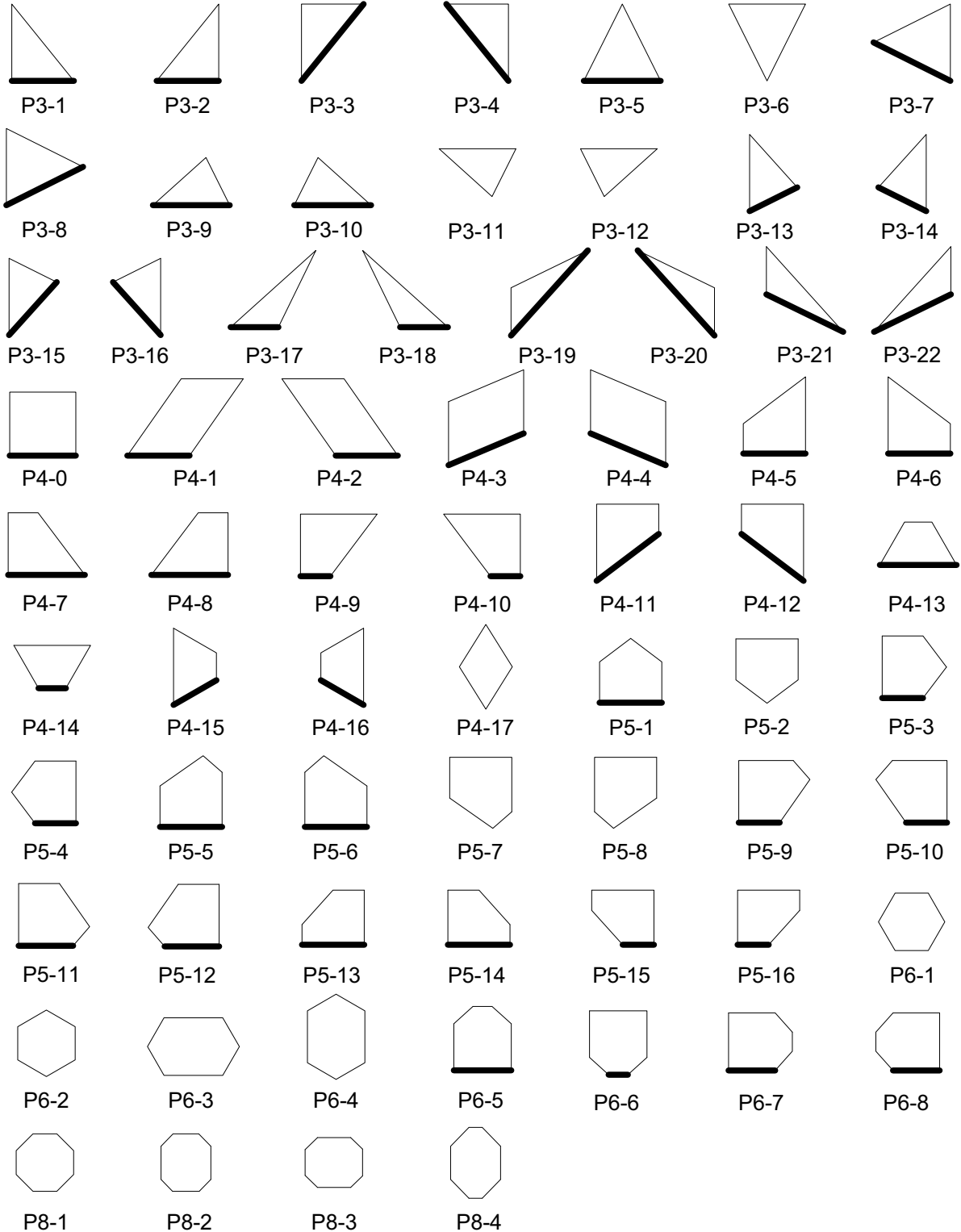


1" LVL
Vertical Mullion



3/8" Mull Reinforcement
Vertical Mullion

Polygon Shape Reference



*NOTE: Please contact your Marvin representative for availability and more information.
Dark line indicates subsill placement.*

Wood Direct Glaze Polygon and Round Top

Unit Features: Wood Direct Glaze Round Top

Wood Direct Glaze Round Top: WDGRT

Frame:

- Frame thickness: 1 1/16" (17).
- Frame width: 4 9/16" (116).
- Subsill thickness: 15/16" (24).
- Constructed of laminated wood with a clear, bare veneer to the interior of the radius portion, and non finger-jointed, finger-joint, and edge-glue wood on the straight components.

Glass and Glazing:

- Glazing seal:
 - Glazed from the interior
 - Exterior of the glass is sealed to the frame with glazing sealant
 - The interior of the glass is sealed to the interior glazing bead with glazing tape
- Standard glass: Insulating Low E2 Argon or air
 - Optional glazing available: Low E1 Argon or air, Low E3 Argon or air, clear, tints, tempered, obscure and decorative glass options
 - Optional tripane glazing available: Low E2/E1, E3/E1, E1/E1 air, Argon, Krypton-Argon, or Krypton fill
- Insulating glass will be altitude adjusted with capillary tubes for higher elevations. Argon gas is not available for elevations that require capillary tubes.
- ADL glazing options not available with Argon

CE Glass and Glazing:

- Glazing seal: silicone glazed
- Standard glass: Insulating Low E2 Argon or air
 - Optional glazing available: Low E1 Argon or air, Low E3 Argon or air, clear, laminated clear & tints, tempered, sandblasted
 - Optional tripane glazing available: Low E2/E1, E3/E1, E1/E1 air, Argon, Krypton-Argon, or Krypton fill
- Glass panes available in 3, 4, and 6 mm thicknesses
- Laminated panes available in 7.0 and 7.8 mm thicknesses
- Insulating glass will be altitude adjusted with capillary tubes for higher elevations
- Argon gas is not available for elevations that require capillary tubes

Glazing for Impact Units:

- Glazing seal:
 - Glazed from the interior against a bead of silicone
 - The perimeter of the glass is backfilled with silicone
 - The interior wood bead is secured to the frame with 1 3/8" (35) brad nails nominal 5" on center
 - Impact glass setting blocks are used to reduce the chance of glass sliding

Mulling Options:

- Factory mulling is available
- Maximum mull assembly: Masonry Opening 144" x 103"
- Mulling options: direct mull, 3/8" mull reinforcement, 1" LVL structural mull, space mull, stud pocket

CE Mulling Options:

- Mull assemblies up to 64" (1626) x 71 1/8" (1807) as a 1H x multi-width
- Mull assemblies with 1" (25) LVL or 3/8" (10) aluminum mull reinforcement up to 122" (3099) x 104 1/4" (2648) as a multi-wide or multi-high assembly

Wood Direct Glaze Polygon and Round Top

Min/Max Guidelines: Wood Direct Glaze and Impact Wood Direct Glaze Round Tops

Minimum Guidelines - Direct Glaze Round Tops				
Unit Type	Frame Size			
	Min Width		Min Height	
	in	mm	in	mm
True Half RT1	17	(432)	8 1/2	(216)
Eyebrow above Springline RT6	9	(229)	9 1/2	(241)
Quarter Round RT7 or RT8	8 1/2	(216)	8 1/2	(216)
Full Circle RT27	21 1/2	(546)	21 1/2	(546)
Full Ellipse RT28	23	(584)	35 1/2	(902)

Maximum Guidelines - Direct Glaze Round Tops									
Unit Type		Non-Certified Frame Size				Certified Frame Size			
		Max Width		Max Height		Max Width		Max Height	
		in	mm	in	mm	in	mm	in	mm
Single Glaze	All Shapes	144 3/4	(3677)	54	(1372)	84	(2134)	87	(2210)
		89 11/16	(2278)	86 3/16	(2189)	74	(1880)	97 15/16	(2488)
		85 1/4	(2165)	90 5/8	(2302)	87	(2210)	84	(2134)
		53 1/16	(1348)	145 11/16	(3700)	97 15/16	(2488)	74	(1880)
Insulating Glass	All Shapes	144 3/4	(3677)	64 1/16	(1627)	84	(2134)	97 15/16	(2488)
		106 15/16	(2716)	86 3/16	(2189)				
		85 1/4	(2165)	107 7/8	(2740)				
		63 1/8	(1603)	145 11/16	(3700)	97 15/16	(2488)	84	(2134)
CE Product	All Shapes					84	(2134)	96	(2438)
						96	(2438)	84	(2134)

NOTE: Single glaze is not available with CE mark

Maximum Guidelines - Direct Glaze Round Tops					
Unit Type		Certified Frame Size			
		Max Width		Max Height	
		in	mm	in	mm
IZ3 Impact Product	All Shapes	73	(1854)	73 15/16	(1878)

NOTE: IZ3 Impact products are not available with CE mark

Wood Direct Glaze Polygon and Round Top

Certified Sizes: Wood Direct Glaze Round Top

Standard Product	Air Tested to psf	Water Tested to psf	Structural Tested to psf	Certification Rating	Design Pressure (DP)	Max Overall		Max Overall	
						in	mm	in	mm
Wood Direct Glaze Polygon and Round Top	1.57	8.25	75	CW-PG50-FW	50	84	(2134)	97 15/16	(2488)

Impact Product	Air Tested to psf	Water Tested to psf	Structural Tested to psf	Certification Rating	Design Pressure (DP)	Max Overall		Max Overall	
						in	mm	in	mm
Wood Direct Glaze Polygon and Round Top	1.57	8.25	82.5	CW-PG55-FW	+55/-65	73	(1854)	73 15/16	(1878)

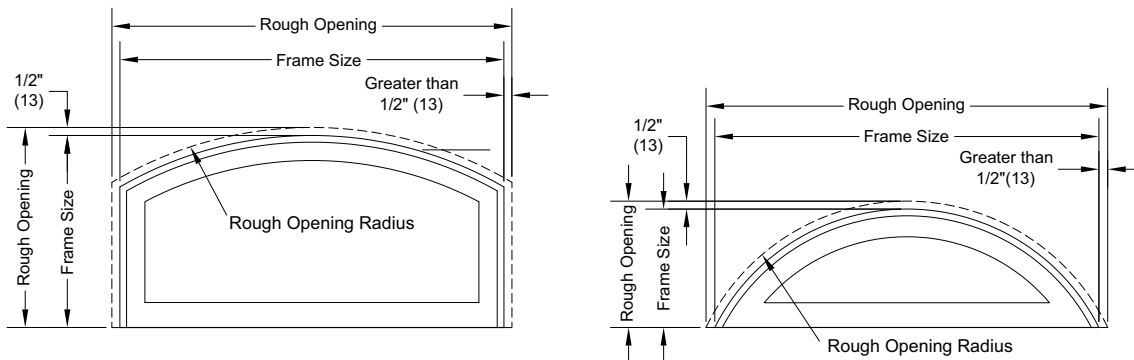
NOTE: For CE ratings, please refer to CE Performance Section.

Wood Direct Glaze Polygon and Round Top

Measurement Conversions: Wood Direct Glaze Round Top

Unit Measurements		Width		Height	
From	To				
Rough Opening		in	mm	in	mm
OM of Frame	Rough Opening	+ 1	(25)	+ 1/2	(13)
Masonry Opening w/BMC	Rough Opening	-2 1/2	(64)	-1 1/4	(32)
WUCA CN Direct Glaze Masonry Opening w/BMC	Rough Opening	-2 5/8	(67)	-1 5/16	(33)
WUDH CN Direct Glaze Masonry Opening w/BMC	Rough Opening	-2 1/8	(54)	-1 1/4	(32)
Frame		in	mm	in	mm
Daylight Opening	Frame Size	+ 3 1/8	(79)	+ 3 1/8	(79)
Glass		in	mm	in	mm
Daylight Opening	Glass	+ 1 3/8	(35)	+ 1 3/8	(35)

NOTE: Conversions do not include subsill



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

Standard Sizes: Wood Ultimate Casement - Full Circle and Ellipse Series

Wood Ultimate Casement/Awning Direct Glaze Round Tops									
Shape - RT27 - Full Circle									
CN		Width				Height			
		Masonry Opening		Rough Opening		Masonry Opening		Rough Opening	
		ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm
RT	2750	2-4	(711)	2-1 1/2	(648)	2-4	(711)	2-1 1/2	(648)
RT	3950	3-4	(1016)	3-1 1/2	(953)	3-4	(1016)	3-1 1/2	(953)
RT	5150	4-4	(1321)	4-1 1/2	(1257)	4-4	(1321)	4-1 1/2	(1257)
Shape - RT28 - Full Elliptical									
RT	2436	2-3 1/2	(699)	2-1	(635)	3-3 1/2	(1003)	3-1	(940)
RT	3248	2-11 1/2	(902)	2-9	(838)	4-3 1/2	(1308)	4-1	(1245)
RT	4060	3-7 1/2	(1105)	3-5	(1041)	5-3 1/2	(1613)	5-1	(1549)

Standard Sizes: Wood Ultimate Casement - True Half, Elliptical and Quarter Circle

Wood Ultimate Casement/Awning Direct Glaze Round Tops									
Shape - RT1 - True Half Circle									
CN		Width				Height			
		Masonry Opening		Rough Opening		Masonry Opening		Rough Opening	
		ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm
RT	2010	1-11 5/8	(600)	1-9	(533)	0-11 13/16	(300)	0-10 1/2	(267)
RT	2412	2-3 5/8	(702)	2-1	(635)	1-1 13/16	(351)	1-0 1/2	(318)
RT	2814	2-7 5/8	(803)	2-5	(737)	1-3 13/16	(402)	1-2 1/2	(368)
RT	3216	2-11 5/8	(905)	2-9	(838)	1-5 13/16	(452)	1-4 1/2	(419)
RT	3618	3-3 5/8	(1006)	3-1	(940)	1-7 13/16	(503)	1-6 1/2	(470)
RT	4020	3-7 5/8	(1108)	3-5	(1041)	1-9 13/16	(554)	1-8 1/2	(521)
RT	4824	4-3 5/8	(1311)	4-1	(1245)	2-1 13/16	(656)	2-0 1/2	(622)
RT	5628	4-11 5/8	(1514)	4-9	(1448)	2-5 13/16	(757)	2-4 1/2	(724)
RT	6026	5-3 5/8	(1616)	5-1	(1549)	2-7 13/16	(808)	2-6 1/2	(775)
RT	6432	5-7 5/8	(1718)	5-5	(1651)	2-9 13/16	(859)	2-8 1/2	(826)
RT	7236	6-3 5/8	(1921)	6-1	(1854)	3-1 13/16	(960)	3-0 1/2	(927)
RT	8442	7-3 5/8	(2226)	7-1	(2159)	3-7 13/16	(1113)	3-6 1/2	(1080)
RT	9648	8-3 5/8	(2530)	8-1	(2464)	4-1 13/16	(1265)	4-0 1/2	(1232)
Shape - RT29 - Elliptical									
RT	4017	3-7 5/8	(1108)	3-5	(1041)	1-7 1/4	(489)	1-5 15/16	(456)
RT	4817	4-3 5/8	(1311)	4-1	(1245)	1-7 1/4	(489)	1-5 15/16	(456)
RT	5617	4-11 5/8	(1514)	4-9	(1448)	1-7 1/4	(489)	1-5 15/16	(456)
RT	7217	6-3 5/8	(1921)	6-1	(1854)	1-7 1/4	(489)	1-5 15/16	(456)
RT	8417	7-3 5/8	(2226)	7-1	(2159)	1-7 1/4	(489)	1-5 15/16	(456)
Shape - RT15,16 - Quarter Circle									
RT	2020	1-11 5/8	(600)	1-9	(533)	1-8 15/16	(532)	1-7 5/8	(498)
RT	2424	2-3 5/8	(702)	2-1	(635)	2-0 15/16	(633)	1-11 5/8	(600)
RT	2828	2-7 5/8	(803)	2-5	(737)	2-4 15/16	(735)	2-3 5/8	(702)
RT	3232	2-11 5/8	(905)	2-9	(838)	2-8 15/16	(837)	2-7 5/8	(803)
RT	3636	3-3 5/8	(1006)	3-1	(940)	3-0 15/16	(938)	2-11 5/8	(905)
RT	4040	3-7 5/8	(1108)	3-5	(1041)	3-4 15/16	(1040)	3-3 5/8	(1006)
RT	4848	4-3 5/8	(1311)	4-1	(1245)	4-0 15/16	(1243)	3-11 5/8	(1210)

Standard Sizes: Clad Ultimate Casement - Eyebrow above Springline

Wood Ultimate Casement/Awning Direct Glaze Round Tops																	
Shape - RT6 - Eyebrow Above Springline																	
CN	Width								Height								
	Masonry Opening		Masonry Opening Radius		Rough Opening		Rough Opening Radius		Masonry Opening		Masonry Opening Springline		Rough Opening		Rough Opening Springline		
	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm	
RT	2411	2-3 5/8	(702)	2-1 13/16	(656)	2-1	(635)	2-0 1/2	(622)	1-1 13/16	(351)	0-9 13/16	(249)	1-0 1/2	(318)	0-9 5/64	(230)
RT	2419	2-3 5/8	(702)	2-1 13/16	(656)	2-1	(635)	2-0 1/2	(622)	1-7 13/16	(503)	1-3 13/16	(401)	1-6 1/2	(470)	1-3 5/64	(383)
RT	2423	2-3 5/8	(702)	2-1 13/16	(656)	2-1	(635)	2-0 1/2	(622)	2-1 13/16	(656)	1-9 13/16	(554)	2-0 1/2	(622)	1-9 5/64	(535)
RT	2435	2-3 5/8	(702)	2-1 13/16	(656)	2-1	(635)	2-0 1/2	(622)	3-1 13/16	(960)	2-9 13/16	(859)	3-0 1/2	(927)	2-9 5/64	(840)
RT	2447	2-3 5/8	(702)	2-1 13/16	(656)	2-1	(635)	2-0 1/2	(622)	4-1 13/16	(1265)	3-9 13/16	(1163)	4-0 1/2	(1232)	3-9 5/64	(1145)
RT	2459	2-3 5/8	(702)	2-1 13/16	(656)	2-1	(635)	2-0 1/2	(622)	5-1 13/16	(1570)	4-9 13/16	(1468)	5-0 1/2	(1537)	4-9 5/64	(1450)
RT	2471	2-3 5/8	(702)	2-1 13/16	(656)	2-1	(635)	2-0 1/2	(622)	6-1 13/16	(1875)	5-9 13/16	(1773)	6-0 1/2	(1842)	5-9 5/64	(1754)
RT	2811	2-7 5/8	(803)	2-1 13/16	(656)	2-5	(737)	2-0 1/2	(622)	1-1 13/16	(351)	0-8 13/32	(213)	1-0 1/2	(318)	0-7 3/4	(197)
RT	2819	2-7 5/8	(803)	2-1 13/16	(656)	2-5	(737)	2-0 1/2	(622)	1-7 13/16	(503)	1-2 13/32	(366)	1-6 1/2	(470)	1-1 3/4	(349)
RT	2823	2-7 5/8	(803)	2-1 13/16	(656)	2-5	(737)	2-0 1/2	(622)	2-1 13/16	(656)	1-8 13/32	(518)	2-0 1/2	(622)	1-7 3/4	(502)
RT	2835	2-7 5/8	(803)	2-1 13/16	(656)	2-5	(737)	2-0 1/2	(622)	3-1 13/16	(960)	2-8 13/32	(823)	3-0 1/2	(927)	2-7 3/4	(806)
RT	2847	2-7 5/8	(803)	2-1 13/16	(656)	2-5	(737)	2-0 1/2	(622)	4-1 13/16	(1265)	3-8 13/32	(1128)	4-0 1/2	(1232)	3-7 3/4	(1111)
RT	2859	2-7 5/8	(803)	2-1 13/16	(656)	2-5	(737)	2-0 1/2	(622)	5-1 13/16	(1570)	4-8 13/32	(1433)	5-0 1/2	(1537)	4-7 3/4	(1416)
RT	2871	2-7 5/8	(803)	2-1 13/16	(656)	2-5	(737)	2-0 1/2	(622)	6-1 13/16	(1875)	5-8 13/32	(1737)	6-0 1/2	(1842)	5-7 3/4	(1721)
RT	3211	2-11 5/8	(905)	2-7 13/16	(808)	2-9	(838)	2-6 1/2	(775)	1-1 13/16	(351)	0-8 23/64	(212)	1-0 1/2	(318)	0-7 21/32	(194)
RT	3219	2-11 5/8	(905)	2-7 13/16	(808)	2-9	(838)	2-6 1/2	(775)	1-7 13/16	(503)	1-2 23/64	(365)	1-6 1/2	(470)	1-1 21/32	(347)
RT	3223	2-11 5/8	(905)	2-7 13/16	(808)	2-9	(838)	2-6 1/2	(775)	2-1 13/16	(656)	1-8 23/64	(517)	2-0 1/2	(622)	1-7 21/32	(499)
RT	3235	2-11 5/8	(905)	2-7 13/16	(808)	2-9	(838)	2-6 1/2	(775)	3-1 13/16	(960)	2-8 23/64	(822)	3-0 1/2	(927)	2-7 21/32	(804)
RT	3247	2-11 5/8	(905)	2-7 13/16	(808)	2-9	(838)	2-6 1/2	(775)	4-1 13/16	(1265)	3-8 23/64	(1127)	4-0 1/2	(1232)	3-7 21/32	(1109)
RT	3259	2-11 5/8	(905)	2-7 13/16	(808)	2-9	(838)	2-6 1/2	(775)	5-1 13/16	(1570)	4-8 23/64	(1431)	5-0 1/2	(1537)	4-7 21/32	(1414)
RT	3271	2-11 5/8	(905)	2-7 13/16	(808)	2-9	(838)	2-6 1/2	(775)	6-1 13/16	(1875)	5-8 23/64	(1736)	6-0 1/2	(1842)	5-7 21/32	(1718)
RT	3611	3-3 5/8	(1006)	2-7 13/16	(808)	3-1	(940)	2-6 1/2	(775)	1-1 13/16	(351)	0-6 57/64	(175)	1-0 1/2	(318)	0-6 1/4	(159)
RT	3619	3-3 5/8	(1006)	2-7 13/16	(808)	3-1	(940)	2-6 1/2	(775)	1-7 13/16	(503)	1-0 57/64	(327)	1-6 1/2	(470)	1-0 1/4	(311)
RT	3623	3-3 5/8	(1006)	2-7 13/16	(808)	3-1	(940)	2-6 1/2	(775)	2-1 13/16	(656)	1-6 57/64	(480)	2-0 1/2	(622)	1-6 1/4	(464)
RT	3635	3-3 5/8	(1006)	2-7 13/16	(808)	3-1	(940)	2-6 1/2	(775)	3-1 13/16	(960)	2-6 57/64	(785)	3-0 1/2	(927)	2-6 1/4	(768)
RT	3647	3-3 5/8	(1006)	2-7 13/16	(808)	3-1	(940)	2-6 1/2	(775)	4-1 13/16	(1265)	3-6 57/64	(1089)	4-0 1/2	(1232)	3-6 1/4	(1073)
RT	3659	3-3 5/8	(1006)	2-7 13/16	(808)	3-1	(940)	2-6 1/2	(775)	5-1 13/16	(1570)	4-6 57/64	(1394)	5-0 1/2	(1537)	4-6 1/4	(1378)
RT	3671	3-3 5/8	(1006)	2-7 13/16	(808)	3-1	(940)	2-6 1/2	(775)	6-1 13/16	(1875)	5-6 57/64	(1699)	6-0 1/2	(1842)	5-6 1/4	(1683)
RT	4011	3-7 5/8	(1108)	3-5 13/16	(1062)	3-5	(1041)	3-4 1/2	(1029)	1-1 13/16	(351)	0-7 43/64	(195)	1-0 1/2	(318)	0-6 59/64	(176)
RT	4019	3-7 5/8	(1108)	3-5 13/16	(1062)	3-5	(1041)	3-4 1/2	(1029)	1-7 13/16	(503)	1-1 43/64	(347)	1-6 1/2	(470)	1-0 59/64	(328)
RT	4023	3-7 5/8	(1108)	3-5 13/16	(1062)	3-5	(1041)	3-4 1/2	(1029)	2-1 13/16	(656)	1-7 43/64	(500)	2-0 1/2	(622)	1-6 59/64	(481)
RT	4035	3-7 5/8	(1108)	3-5 13/16	(1062)	3-5	(1041)	3-4 1/2	(1029)	3-1 13/16	(960)	2-7 43/64	(804)	3-0 1/2	(927)	2-6 59/64	(786)
RT	4047	3-7 5/8	(1108)	3-5 13/16	(1062)	3-5	(1041)	3-4 1/2	(1029)	4-1 13/16	(1265)	3-7 43/64	(1109)	4-0 1/2	(1232)	3-6 59/64	(1090)
RT	4059	3-7 5/8	(1108)	3-5 13/16	(1062)	3-5	(1041)	3-4 1/2	(1029)	5-1 13/16	(1570)	4-7 43/64	(1414)	5-0 1/2	(1537)	4-6 59/64	(1395)
RT	4071	3-7 5/8	(1108)	3-5 13/16	(1062)	3-5	(1041)	3-4 1/2	(1029)	6-1 13/16	(1875)	5-7 43/64	(1719)	6-0 1/2	(1842)	5-6 59/64	(1700)

Standard Sizes: Clad Ultimate Casement - Eyebrow above Springline

Wood Ultimate Casement/Awning Direct Glaze Round Tops																	
Shape - RT6 - Eyebrow Above Springline																	
CN		Width								Height							
		Masonry Opening		Masonry Opening Radius		Rough Opening		Rough Opening Radius		Masonry Opening		Masonry Opening Springline		Rough Opening		Rough Opening Springline	
		ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm
RT	4819	4-3 5/8	(1311)	3-5 13/16	(1062)	4-1	(1245)	3-4 1/2	(1029)	1-7 13/16	(503)	0-10 57/64	(277)	1-6 1/2	(470)	0-10 1/4	(260)
RT	4823	4-3 5/8	(1311)	3-5 13/16	(1062)	4-1	(1245)	3-4 1/2	(1029)	2-1 13/16	(656)	1-4 57/64	(429)	2-0 1/2	(622)	1-4 1/4	(413)
RT	4835	4-3 5/8	(1311)	3-5 13/16	(1062)	4-1	(1245)	3-4 1/2	(1029)	3-1 13/16	(960)	2-4 57/64	(734)	3-0 1/2	(927)	2-4 1/4	(718)
RT	4847	4-3 5/8	(1311)	3-5 13/16	(1062)	4-1	(1245)	3-4 1/2	(1029)	4-1 13/16	(1265)	3-4 57/64	(1039)	4-0 1/2	(1232)	3-4 1/4	(1022)
RT	4859	4-3 5/8	(1311)	3-5 13/16	(1062)	4-1	(1245)	3-4 1/2	(1029)	5-1 13/16	(1570)	4-4 57/64	(1344)	5-0 1/2	(1537)	4-4 1/4	(1327)
RT	4871	4-3 5/8	(1311)	3-5 13/16	(1062)	4-1	(1245)	3-4 1/2	(1029)	6-1 13/16	(1875)	5-4 57/64	(1648)	6-0 1/2	(1842)	5-4 1/4	(1632)
RT	5619	4-11 5/8	(1514)	4-7 13/16	(1418)	4-9	(1448)	4-6 1/2	(1384)	1-7 13/16	(503)	0-11 3/16	(284)	1-6 1/2	(470)	0-10 29/64	(266)
RT	5623	4-11 5/8	(1514)	4-7 13/16	(1418)	4-9	(1448)	4-6 1/2	(1384)	2-1 13/16	(656)	1-5 3/16	(436)	2-0 1/2	(622)	1-4 29/64	(418)
RT	5635	4-11 5/8	(1514)	4-7 13/16	(1418)	4-9	(1448)	4-6 1/2	(1384)	3-1 13/16	(960)	2-5 3/16	(741)	3-0 1/2	(927)	2-4 29/64	(723)
RT	5647	4-11 5/8	(1514)	4-7 13/16	(1418)	4-9	(1448)	4-6 1/2	(1384)	4-1 13/16	(1265)	3-5 3/16	(1046)	4-0 1/2	(1232)	3-4 29/64	(1028)
RT	5659	4-11 5/8	(1514)	4-7 13/16	(1418)	4-9	(1448)	4-6 1/2	(1384)	5-1 13/16	(1570)	4-5 3/16	(1351)	5-0 1/2	(1537)	4-4 29/64	(1332)
RT	5671	4-11 5/8	(1514)	4-7 13/16	(1418)	4-9	(1448)	4-6 1/2	(1384)	6-1 13/16	(1875)	5-5 3/16	(1656)	6-0 1/2	(1842)	5-4 29/64	(1637)
RT	7219	6-3 5/8	(1921)	6-1 13/16	(1875)	6-1	(1854)	6-0 1/2	(1842)	1-7 13/16	(503)	0-9 25/64	(239)	1-6 1/2	(470)	0-8 41/64	(220)
RT	7223	6-3 5/8	(1921)	6-1 13/16	(1875)	6-1	(1854)	6-0 1/2	(1842)	2-1 13/16	(656)	1-3 25/64	(391)	2-0 1/2	(622)	1-2 41/64	(372)
RT	7235	6-3 5/8	(1921)	6-1 13/16	(1875)	6-1	(1854)	6-0 1/2	(1842)	3-1 13/16	(960)	2-3 25/64	(696)	3-0 1/2	(927)	2-2 41/64	(677)
RT	7247	6-3 5/8	(1921)	6-1 13/16	(1875)	6-1	(1854)	6-0 1/2	(1842)	4-1 13/16	(1265)	3-3 25/64	(1001)	4-0 1/2	(1232)	3-2 41/64	(982)
RT	7259	6-3 5/8	(1921)	6-1 13/16	(1875)	6-1	(1854)	6-0 1/2	(1842)	5-1 13/16	(1570)	4-3 25/64	(1305)	5-0 1/2	(1537)	4-2 41/64	(1286)
RT	7271	6-3 5/8	(1921)	6-1 13/16	(1875)	6-1	(1854)	6-0 1/2	(1842)	6-1 13/16	(1875)	5-3 25/64	(1610)	6-0 1/2	(1842)	5-2 41/64	(1591)

Standard Sizes: Wood Ultimate Double Hung - True Half Circle and Elliptical Direct Glaze

Wood Ultimate Double Hung Direct Glaze Round Tops									
Shape - RT1 - True Half Circle									
CN		Width				Height			
		Masonry Opening		Rough Opening		Masonry Opening		Rough Opening	
		ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm
WRT	2914	2-8 1/2	(826)	2-6 3/8	(772)	1-4 1/4	(413)	1-3 3/16	(386)
WRT	3115	2-10 1/2	(876)	2-8 3/8	(822)	1-5 1/4	(438)	1-4 3/16	(411)
WRT	3316	3-0 1/2	(927)	2-10 3/8	(873)	1-6 1/4	(464)	1-5 3/16	(437)
WRT	3517	3-2 1/2	(978)	3-0 3/8	(924)	1-7 1/4	(489)	1-6 3/16	(462)
WRT	3718	3-4 1/2	(1029)	3-2 3/8	(975)	1-8 1/4	(514)	1-7 3/16	(487)
WRT	4120	3-8 1/2	(1130)	3-6 3/8	(1076)	1-10 1/4	(565)	1-9 3/16	(538)
WRT	4522	4-0 1/2	(1232)	3-10 3/8	(1178)	2-0 1/4	(616)	1-11 3/16	(589)
WRT	5025	4-5 7/8	(1368)	4-3 3/4	(1314)	2-2 15/16	(684)	2-1 7/8	(657)
WRT	5828	5-1 7/8	(1572)	4-11 3/4	(1518)	2-6 15/16	(786)	2-5 7/8	(759)
WRT	6632	5-9 7/8	(1775)	5-7 3/4	(1721)	2-10 15/16	(887)	2-9 7/8	(860)
WRT	7437	6-5 7/8	(1978)	6-3 3/4	(1924)	3-2 15/16	(989)	3-1 7/8	(962)
Shape - RT29 - Elliptical									
WRT	5118	4-5 7/8	(1368)	4-3 3/4	(1314)	1-7	(483)	1-5 15/16	(456)
WRT	5918	5-1 7/8	(1572)	4-11 3/4	(1518)	1-7	(483)	1-5 15/16	(456)
WRT	6718	5-9 7/8	(1775)	5-7 3/4	(1721)	1-7	(483)	1-5 15/16	(456)
WRT	7518	6-5 7/8	(1978)	6-3 3/4	(1924)	1-7	(483)	1-5 15/16	(456)

Standard Sizes: Wood Ultimate Double Hung - Eyebrow Above Springline

Wood Ultimate Double Hung Direct Glaze Round Tops																	
Shape - RT6 - Eyebrow Above Springline																	
CN	Width								Height								
	Masonry Opening		Masonry Opening Radius		Rough Opening		Rough Opening Radius		Masonry Opening		Masonry Opening Springline		Rough Opening		Rough Opening Springline		
	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm	
RT	2511	2-4 1/2	(724)	2-1 3/4	(654)	2-2 3/8	(670)	2-0 1/2	(622)	1-1 3/4	(349)	0-9 29/64	(240)	1-0 1/2	(318)	0-8 41/64	(220)
RT	2519	2-4 1/2	(724)	2-1 3/4	(654)	2-2 3/8	(670)	2-0 1/2	(622)	1-7 3/4	(502)	1-3 29/64	(392)	1-6 1/2	(470)	1-2 41/64	(372)
RT	2523	2-4 1/2	(724)	2-1 3/4	(654)	2-2 3/8	(670)	2-0 1/2	(622)	2-1 3/4	(654)	1-9 29/64	(545)	2-0 1/2	(622)	1-8 41/64	(524)
RT	2535	2-4 1/2	(724)	2-1 3/4	(654)	2-2 3/8	(670)	2-0 1/2	(622)	3-1 3/4	(959)	2-9 29/64	(850)	3-0 1/2	(927)	2-8 41/64	(829)
RT	2547	2-4 1/2	(724)	2-1 3/4	(654)	2-2 3/8	(670)	2-0 1/2	(622)	4-1 3/4	(1264)	3-9 29/64	(1154)	4-0 1/2	(1232)	3-8 41/64	(1134)
RT	2559	2-4 1/2	(724)	2-1 3/4	(654)	2-2 3/8	(670)	2-0 1/2	(622)	5-1 3/4	(1568)	4-9 29/64	(1459)	5-0 1/2	(1537)	4-8 41/64	(1439)
RT	2571	2-4 1/2	(724)	2-1 3/4	(654)	2-2 3/8	(670)	2-0 1/2	(622)	6-1 3/4	(1873)	5-9 29/64	(1764)	6-0 1/2	(1842)	5-8 41/64	(1744)
RT	2911	2-8 1/2	(826)	2-1 3/4	(654)	2-6 3/8	(772)	2-0 1/2	(622)	1-1 3/4	(349)	0-7 31/32	(203)	1-0 1/2	(318)	0-7 7/32	(184)
RT	2919	2-8 1/2	(826)	2-1 3/4	(654)	2-6 3/8	(772)	2-0 1/2	(622)	1-7 3/4	(502)	1-1 31/32	(355)	1-6 1/2	(470)	1-1 7/32	(336)
RT	2923	2-8 1/2	(826)	2-1 3/4	(654)	2-6 3/8	(772)	2-0 1/2	(622)	2-1 3/4	(654)	1-7 31/32	(507)	2-0 1/2	(622)	1-7 7/32	(488)
RT	2935	2-8 1/2	(826)	2-1 3/4	(654)	2-6 3/8	(772)	2-0 1/2	(622)	3-1 3/4	(959)	2-7 31/32	(812)	3-0 1/2	(927)	2-7 7/32	(793)
RT	2947	2-8 1/2	(826)	2-1 3/4	(654)	2-6 3/8	(772)	2-0 1/2	(622)	4-1 3/4	(1264)	3-7 31/32	(1117)	4-0 1/2	(1232)	3-7 7/32	(1098)
RT	2959	2-8 1/2	(826)	2-1 3/4	(654)	2-6 3/8	(772)	2-0 1/2	(622)	5-1 3/4	(1568)	4-7 31/32	(1422)	5-0 1/2	(1537)	4-7 7/32	(1403)
RT	2971	2-8 1/2	(826)	2-1 3/4	(654)	2-6 3/8	(772)	2-0 1/2	(622)	6-1 3/4	(1873)	5-7 31/32	(1727)	6-0 1/2	(1842)	5-7 7/32	(1708)
RT	3111	2-10 1/2	(876)	2-7 3/4	(806)	2-8 3/8	(822)	2-6 1/2	(775)	1-1 3/4	(349)	0-8 21/32	(220)	1-0 1/2	(318)	0-7 27/32	(199)
RT	3119	2-10 1/2	(876)	2-7 3/4	(806)	2-8 3/8	(822)	2-6 1/2	(775)	1-7 3/4	(502)	1-2 21/32	(372)	1-6 1/2	(470)	1-1 27/32	(352)
RT	3123	2-10 1/2	(876)	2-7 3/4	(806)	2-8 3/8	(822)	2-6 1/2	(775)	2-1 3/4	(654)	1-8 21/32	(525)	2-0 1/2	(622)	1-7 27/32	(504)
RT	3135	2-10 1/2	(876)	2-7 3/4	(806)	2-8 3/8	(822)	2-6 1/2	(775)	3-1 3/4	(959)	2-8 21/32	(829)	3-0 1/2	(927)	2-7 27/32	(809)
RT	3147	2-10 1/2	(876)	2-7 3/4	(806)	2-8 3/8	(822)	2-6 1/2	(775)	4-1 3/4	(1264)	3-8 21/32	(1134)	4-0 1/2	(1232)	3-7 27/32	(1114)
RT	3159	2-10 1/2	(876)	2-7 3/4	(806)	2-8 3/8	(822)	2-6 1/2	(775)	5-1 3/4	(1568)	4-8 21/32	(1439)	5-0 1/2	(1537)	4-7 27/32	(1419)
RT	3171	2-10 1/2	(876)	2-7 3/4	(806)	2-8 3/8	(822)	2-6 1/2	(775)	6-1 3/4	(1873)	5-8 21/32	(1744)	6-0 1/2	(1842)	5-7 27/32	(1723)
RT	3311	3-0 1/2	(927)	2-7 3/4	(806)	2-10 3/8	(873)	2-6 1/2	(775)	1-1 3/4	(349)	0-7 63/64	(203)	1-0 1/2	(318)	0-7 13/64	(183)
RT	3319	3-0 1/2	(927)	2-7 3/4	(806)	2-10 3/8	(873)	2-6 1/2	(775)	1-7 3/4	(502)	1-1 63/64	(355)	1-6 1/2	(470)	1-1 13/64	(335)
RT	3323	3-0 1/2	(927)	2-7 3/4	(806)	2-10 3/8	(873)	2-6 1/2	(775)	2-1 3/4	(654)	1-7 63/64	(508)	2-0 1/2	(622)	1-7 13/64	(488)
RT	3335	3-0 1/2	(927)	2-7 3/4	(806)	2-10 3/8	(873)	2-6 1/2	(775)	3-1 3/4	(959)	2-7 63/64	(812)	3-0 1/2	(927)	2-7 13/64	(792)
RT	3347	3-0 1/2	(927)	2-7 3/4	(806)	2-10 3/8	(873)	2-6 1/2	(775)	4-1 3/4	(1264)	3-7 63/64	(1117)	4-0 1/2	(1232)	3-7 13/64	(1097)
RT	3359	3-0 1/2	(927)	2-7 3/4	(806)	2-10 3/8	(873)	2-6 1/2	(775)	5-1 3/4	(1568)	4-7 63/64	(1422)	5-0 1/2	(1537)	4-7 13/64	(1402)
RT	3371	3-0 1/2	(927)	2-7 3/4	(806)	2-10 3/8	(873)	2-6 1/2	(775)	6-1 3/4	(1873)	5-7 63/64	(1727)	6-0 1/2	(1842)	5-7 13/64	(1707)
RT	3511	3-2 1/2	(978)	2-7 3/4	(806)	3-0 3/8	(924)	2-6 1/2	(775)	1-1 3/4	(349)	0-7 1/4	(184)	1-0 1/2	(318)	0-6 31/64	(165)
RT	3519	3-2 1/2	(978)	2-7 3/4	(806)	3-0 3/8	(924)	2-6 1/2	(775)	1-7 3/4	(502)	1-1 1/4	(337)	1-6 1/2	(470)	1-0 31/64	(317)
RT	3523	3-2 1/2	(978)	2-7 3/4	(806)	3-0 3/8	(924)	2-6 1/2	(775)	2-1 3/4	(654)	1-7 1/4	(489)	2-0 1/2	(622)	1-6 31/64	(469)
RT	3535	3-2 1/2	(978)	2-7 3/4	(806)	3-0 3/8	(924)	2-6 1/2	(775)	3-1 3/4	(959)	2-7 1/4	(794)	3-0 1/2	(927)	2-6 31/64	(774)
RT	3547	3-2 1/2	(978)	2-7 3/4	(806)	3-0 3/8	(924)	2-6 1/2	(775)	4-1 3/4	(1264)	3-7 1/4	(1099)	4-0 1/2	(1232)	3-6 31/64	(1079)
RT	3559	3-2 1/2	(978)	2-7 3/4	(806)	3-0 3/8	(924)	2-6 1/2	(775)	5-1 3/4	(1568)	4-7 1/4	(1403)	5-0 1/2	(1537)	4-6 31/64	(1384)
RT	3571	3-2 1/2	(978)	2-7 3/4	(806)	3-0 3/8	(924)	2-6 1/2	(775)	6-1 3/4	(1873)	5-7 1/4	(1708)	6-0 1/2	(1842)	5-6 31/64	(1689)
RT	3711	3-4 1/2	(1029)	3-5 3/4	(1060)	3-2 3/8	(975)	3-4 1/2	(1029)	1-1 3/4	(349)	0-8 33/64	(216)	1-0 1/2	(318)	0-7 43/64	(195)
RT	3719	3-4 1/2	(1029)	3-5 3/4	(1060)	3-2 3/8	(975)	3-4 1/2	(1029)	1-7 3/4	(502)	1-2 33/64	(369)	1-6 1/2	(470)	1-1 43/64	(347)
RT	3723	3-4 1/2	(1029)	3-5 3/4	(1060)	3-2 3/8	(975)	3-4 1/2	(1029)	2-1 3/4	(654)	1-8 33/64	(521)	2-0 1/2	(622)	1-7 43/64	(500)
RT	3735	3-4 1/2	(1029)	3-5 3/4	(1060)	3-2 3/8	(975)	3-4 1/2	(1029)	3-1 3/4	(959)	2-8 33/64	(826)	3-0 1/2	(927)	2-7 43/64	(804)

Wood Direct Glaze Polygon and Round Top

Standard Sizes: Wood Ultimate Double Hung - Eyebrow Above Springline

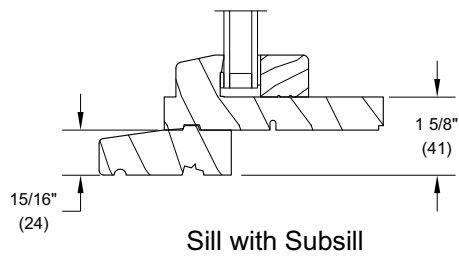
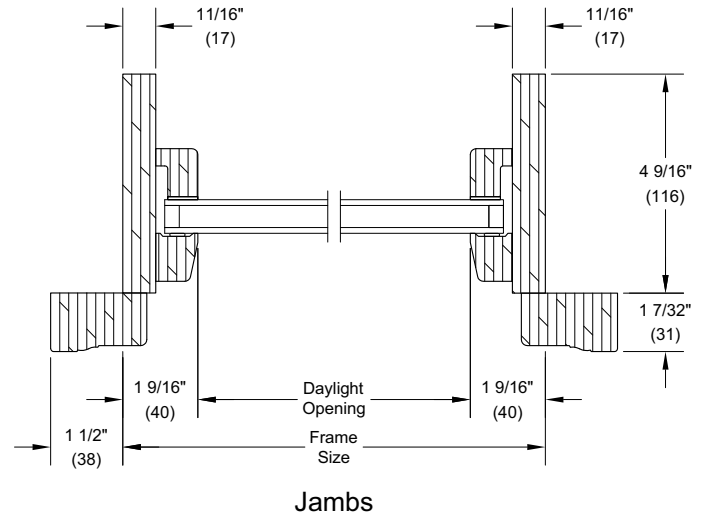
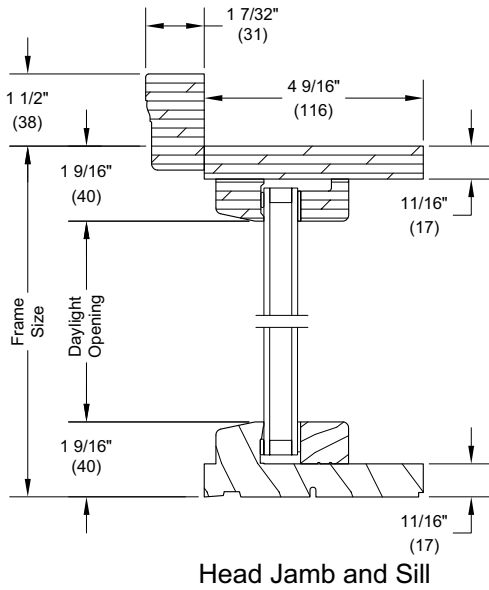
Wood Ultimate Double Hung Direct Glaze Round Tops																	
Shape - RT6 - Eyebrow Above Springline																	
CN	Width								Height								
	Masonry Opening		Masonry Opening Radius		Rough Opening		Rough Opening Radius		Masonry Opening		Masonry Opening Springline		Rough Opening		Rough Opening Springline		
	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm	ft-in	mm	
RT	3747	3-4 1/2	(1029)	3-5 3/4	(1060)	3-2 3/8	(975)	3-4 1/2	(1029)	4-1 3/4	(1264)	3-8 33/64	(1131)	4-0 1/2	(1232)	3-7 43/64	(1109)
RT	3759	3-4 1/2	(1029)	3-5 3/4	(1060)	3-2 3/8	(975)	3-4 1/2	(1029)	5-1 3/4	(1568)	4-8 33/64	(1435)	5-0 1/2	(1537)	4-7 43/64	(1414)
RT	3771	3-4 1/2	(1029)	3-5 3/4	(1060)	3-2 3/8	(975)	3-4 1/2	(1029)	6-1 3/4	(1873)	5-8 33/64	(1740)	6-0 1/2	(1842)	5-7 43/64	(1719)
RT	4111	3-8 1/2	(1130)	3-5 3/4	(1060)	3-6 3/8	(1076)	3-4 1/2	(1029)	1-1 3/4	(349)	0-7 21/64	(186)	1-0 1/2	(318)	0-6 33/64	(166)
RT	4119	3-8 1/2	(1130)	3-5 3/4	(1060)	3-6 3/8	(1076)	3-4 1/2	(1029)	1-7 3/4	(502)	1-1 21/64	(339)	1-6 1/2	(470)	1-0 33/64	(318)
RT	4123	3-8 1/2	(1130)	3-5 3/4	(1060)	3-6 3/8	(1076)	3-4 1/2	(1029)	2-1 3/4	(654)	1-7 21/64	(491)	2-0 1/2	(622)	1-6 33/64	(470)
RT	4135	3-8 1/2	(1130)	3-5 3/4	(1060)	3-6 3/8	(1076)	3-4 1/2	(1029)	3-1 3/4	(959)	2-7 21/64	(796)	3-0 1/2	(927)	2-6 33/64	(775)
RT	4147	3-8 1/2	(1130)	3-5 3/4	(1060)	3-6 3/8	(1076)	3-4 1/2	(1029)	4-1 3/4	(1264)	3-7 21/64	(1101)	4-0 1/2	(1232)	3-6 33/64	(1080)
RT	4159	3-8 1/2	(1130)	3-5 3/4	(1060)	3-6 3/8	(1076)	3-4 1/2	(1029)	5-1 3/4	(1568)	4-7 21/64	(1405)	5-0 1/2	(1537)	4-6 33/64	(1385)
RT	4171	3-8 1/2	(1130)	3-5 3/4	(1060)	3-6 3/8	(1076)	3-4 1/2	(1029)	6-1 3/4	(1873)	5-7 21/64	(1710)	6-0 1/2	(1842)	5-6 33/64	(1690)
RT	4519	4-0 1/2	(1232)	3-5 3/4	(1060)	3-10 3/8	(1178)	3-4 1/2	(1029)	1-7 3/4	(502)	0-11 63/64	(304)	1-6 1/2	(470)	0-11 13/64	(285)
RT	4523	4-0 1/2	(1232)	3-5 3/4	(1060)	3-10 3/8	(1178)	3-4 1/2	(1029)	2-1 3/4	(654)	1-5 63/64	(457)	2-0 1/2	(622)	1-5 13/64	(437)
RT	4535	4-0 1/2	(1232)	3-5 3/4	(1060)	3-10 3/8	(1178)	3-4 1/2	(1029)	3-1 3/4	(959)	2-5 63/64	(762)	3-0 1/2	(927)	2-5 13/64	(742)
RT	4547	4-0 1/2	(1232)	3-5 3/4	(1060)	3-10 3/8	(1178)	3-4 1/2	(1029)	4-1 3/4	(1264)	3-5 63/64	(1066)	4-0 1/2	(1232)	3-5 13/64	(1047)
RT	4559	4-0 1/2	(1232)	3-5 3/4	(1060)	3-10 3/8	(1178)	3-4 1/2	(1029)	5-1 3/4	(1568)	4-5 63/64	(1371)	5-0 1/2	(1537)	4-5 13/64	(1351)
RT	4571	4-0 1/2	(1232)	3-5 3/4	(1060)	3-10 3/8	(1178)	3-4 1/2	(1029)	6-1 3/4	(1873)	5-5 63/64	(1676)	6-0 1/2	(1842)	5-5 13/64	(1656)
RT	5119	4-5 7/8	(1368)	3-5 3/4	(1060)	4-3 3/4	(1314)	3-4 1/2	(1029)	1-7 3/4	(502)	0-9 57/64	(251)	1-6 1/2	(470)	0-9 5/32	(233)
RT	5123	4-5 7/8	(1368)	3-5 3/4	(1060)	4-3 3/4	(1314)	3-4 1/2	(1029)	2-1 3/4	(654)	1-3 57/64	(404)	2-0 1/2	(622)	1-3 5/32	(385)
RT	5135	4-5 7/8	(1368)	3-5 3/4	(1060)	4-3 3/4	(1314)	3-4 1/2	(1029)	3-1 3/4	(959)	2-3 57/64	(709)	3-0 1/2	(927)	2-3 5/32	(690)
RT	5147	4-5 7/8	(1368)	3-5 3/4	(1060)	4-3 3/4	(1314)	3-4 1/2	(1029)	4-1 3/4	(1264)	3-3 57/64	(1013)	4-0 1/2	(1232)	3-3 5/32	(995)
RT	5159	4-5 7/8	(1368)	3-5 3/4	(1060)	4-3 3/4	(1314)	3-4 1/2	(1029)	5-1 3/4	(1568)	4-3 57/64	(1318)	5-0 1/2	(1537)	4-3 5/32	(1299)
RT	5171	4-5 7/8	(1368)	3-5 3/4	(1060)	4-3 3/4	(1314)	3-4 1/2	(1029)	6-1 3/4	(1873)	5-3 57/64	(1623)	6-0 1/2	(1842)	5-3 5/32	(1604)
RT	5919	5-1 7/8	(1572)	4-7 3/4	(1416)	4-11 3/4	(1518)	4-6 1/2	(1384)	1-7 3/4	(502)	0-10 3/8	(264)	1-6 1/2	(470)	0-9 37/64	(243)
RT	5923	5-1 7/8	(1572)	4-7 3/4	(1416)	4-11 3/4	(1518)	4-6 1/2	(1384)	2-1 3/4	(654)	1-4 3/8	(416)	2-0 1/2	(622)	1-3 37/64	(396)
RT	5935	5-1 7/8	(1572)	4-7 3/4	(1416)	4-11 3/4	(1518)	4-6 1/2	(1384)	3-1 3/4	(959)	2-4 3/8	(721)	3-0 1/2	(927)	2-3 37/64	(701)
RT	5947	5-1 7/8	(1572)	4-7 3/4	(1416)	4-11 3/4	(1518)	4-6 1/2	(1384)	4-1 3/4	(1264)	3-4 3/8	(1026)	4-0 1/2	(1232)	3-3 37/64	(1005)
RT	5959	5-1 7/8	(1572)	4-7 3/4	(1416)	4-11 3/4	(1518)	4-6 1/2	(1384)	5-1 3/4	(1568)	4-4 3/8	(1330)	5-0 1/2	(1537)	4-3 37/64	(1310)
RT	5971	5-1 7/8	(1572)	4-7 3/4	(1416)	4-11 3/4	(1518)	4-6 1/2	(1384)	6-1 3/4	(1873)	5-4 3/8	(1635)	6-0 1/2	(1842)	5-3 37/64	(1615)
RT	6719	5-9 7/8	(1775)	6-1 3/4	(1873)	5-7 3/4	(1721)	6-0 1/2	(1842)	1-7 3/4	(502)	0-10 61/64	(278)	1-6 1/2	(470)	0-10 3/32	(257)
RT	6723	5-9 7/8	(1775)	6-1 3/4	(1873)	5-7 3/4	(1721)	6-0 1/2	(1842)	2-1 3/4	(654)	1-4 61/64	(431)	2-0 1/2	(622)	1-4 3/32	(409)
RT	6735	5-9 7/8	(1775)	6-1 3/4	(1873)	5-7 3/4	(1721)	6-0 1/2	(1842)	3-1 3/4	(959)	2-4 61/64	(735)	3-0 1/2	(927)	2-4 3/32	(714)
RT	6747	5-9 7/8	(1775)	6-1 3/4	(1873)	5-7 3/4	(1721)	6-0 1/2	(1842)	4-1 3/4	(1264)	3-4 61/64	(1040)	4-0 1/2	(1232)	3-4 3/32	(1019)
RT	6759	5-9 7/8	(1775)	6-1 3/4	(1873)	5-7 3/4	(1721)	6-0 1/2	(1842)	5-1 3/4	(1568)	4-4 61/64	(1345)	5-0 1/2	(1537)	4-4 3/32	(1323)
RT	6771	5-9 7/8	(1775)	6-1 3/4	(1873)	5-7 3/4	(1721)	6-0 1/2	(1842)	6-1 3/4	(1873)	5-4 61/64	(1650)	6-0 1/2	(1842)	5-4 3/32	(1628)
RT	7519	6-5 7/8	(1978)	6-1 3/4	(1873)	6-3 3/4	(1924)	6-0 1/2	(1842)	1-7 3/4	(502)	0-8 41/64	(219)	1-6 1/2	(470)	0-7 13/16	(199)
RT	7523	6-5 7/8	(1978)	6-1 3/4	(1873)	6-3 3/4	(1924)	6-0 1/2	(1842)	2-1 3/4	(654)	1-2 41/64	(372)	2-0 1/2	(622)	1-1 13/16	(351)
RT	7535	6-5 7/8	(1978)	6-1 3/4	(1873)	6-3 3/4	(1924)	6-0 1/2	(1842)	3-1 3/4	(959)	2-2 41/64	(676)	3-0 1/2	(927)	2-1 13/16	(656)
RT	7547	6-5 7/8	(1978)	6-1 3/4	(1873)	6-3 3/4	(1924)	6-0 1/2	(1842)	4-1 3/4	(1264)	3-2 41/64	(981)	4-0 1/2	(1232)	3-1 13/16	(961)
RT	7559	6-5 7/8	(1978)	6-1 3/4	(1873)	6-3 3/4	(1924)	6-0 1/2	(1842)	5-1 3/4	(1568)	4-2 41/64	(1286)	5-0 1/2	(1537)	4-1 13/16	(1265)
RT	7571	6-5 7/8	(1978)	6-1 3/4	(1873)	6-3 3/4	(1924)	6-0 1/2	(1842)	6-1 3/4	(1873)	5-2 41/64	(1591)	6-0 1/2	(1842)	5-1 13/16	(1570)

Wood Direct Glaze Polygon and Round Top

Section Details: Wood Direct Glaze Round Top

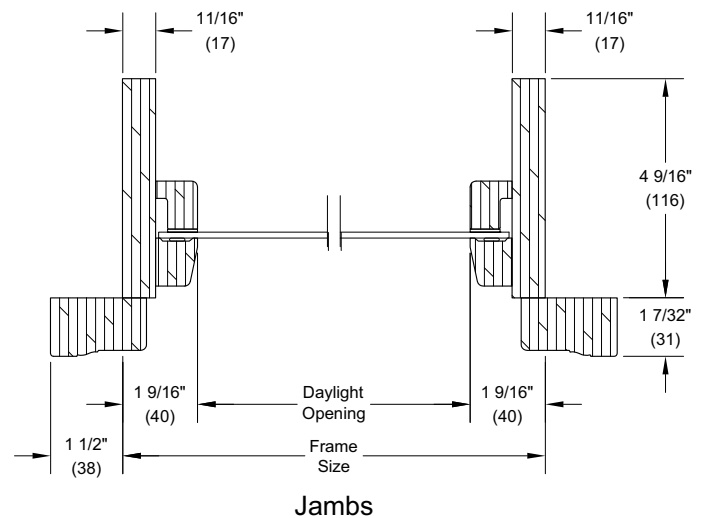
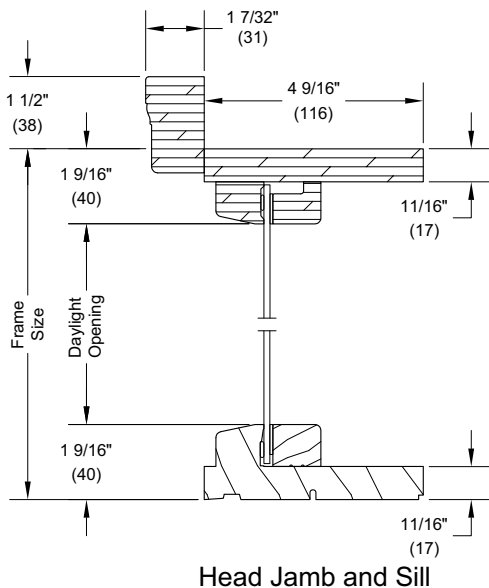
Scale: 3' = 1' 0"

Insulating Glass



Casing Overlap Distances								
Product Type	RT2				RT6			
	Head		Jamb		Head		Jamb	
	in	mm	in	mm	in	mm	in	mm
Direct Glaze	1/2	(13)	1/2	(13)	1/2	(13)	1/2	(13)
Wood Ultimate Casement Direct Glaze	7/16	(11)	7/16	(11)	7/16	(11)	7/16	(11)
Wood Ultimate Double Hung Direct Glaze	11/16	(17)	11/16	(17)	1/2	(13)	11/16	(17)

Single Glaze

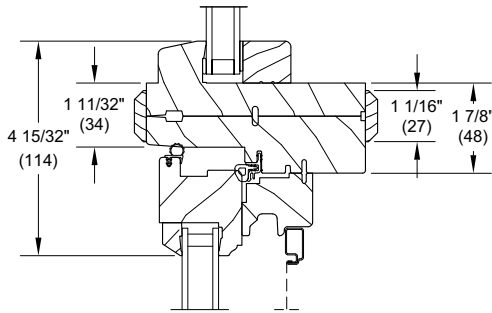


NOTE: Single glaze is not available with CE mark

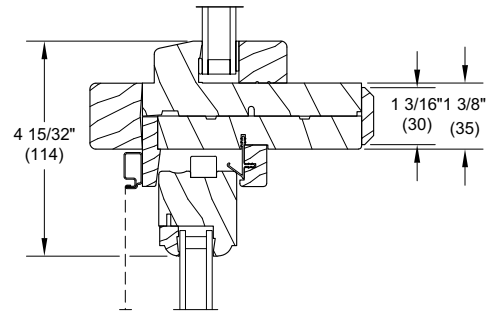
Wood Direct Glaze Polygon and Round Top

Section Details: Wood Direct Glaze Round Top Mullion Options

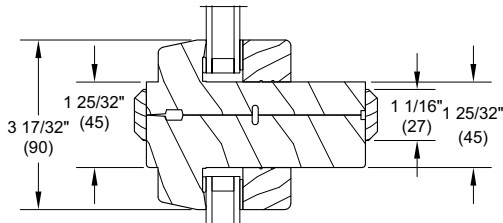
Scale: 3' = 1' 0"



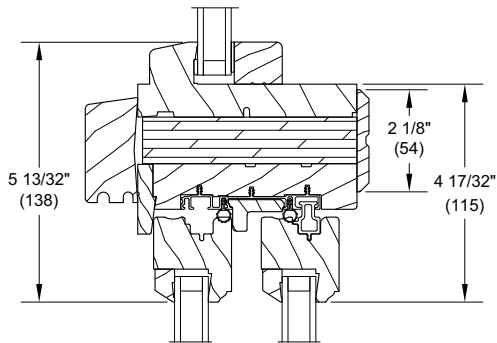
Wood Direct Glaze Round Top
Over Wood Ultimate Casement



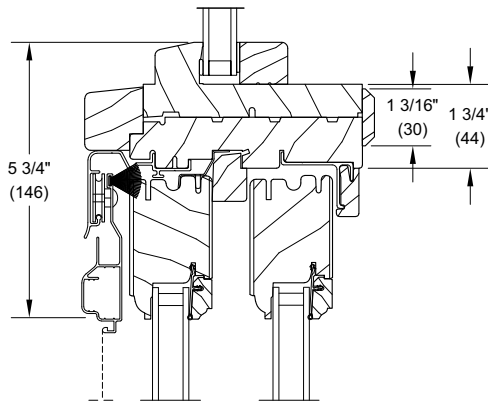
Wood Direct Glaze Round Top
over Wood Ultimate Double Hung



Wood Direct Glaze Round Top
over Wood Polygon



Wood Direct Glaze Round Top
Over Wood Ultimate Glider

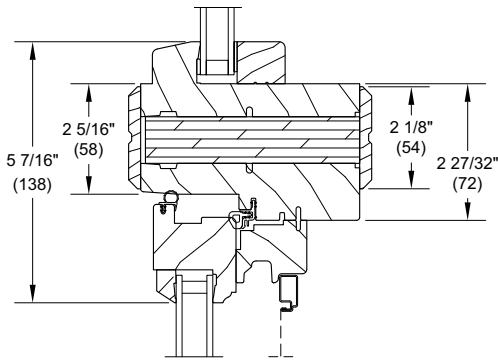


Wood Direct Glaze Round Top
over Wood Sliding Patio Door

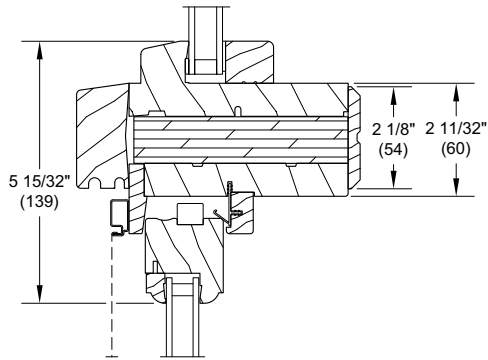
Wood Direct Glaze Polygon and Round Top

Section Details: Wood Direct Glaze Round Top Mullion Options

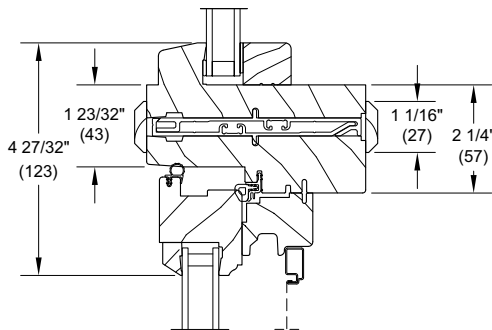
Scale: 3' = 1' 0"



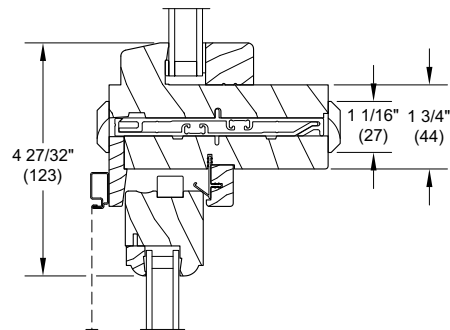
Wood Direct Glaze Round Top
Over Wood Ultimate Casement



Wood Direct Glaze Round Top
over Wood Ultimate Double Hung



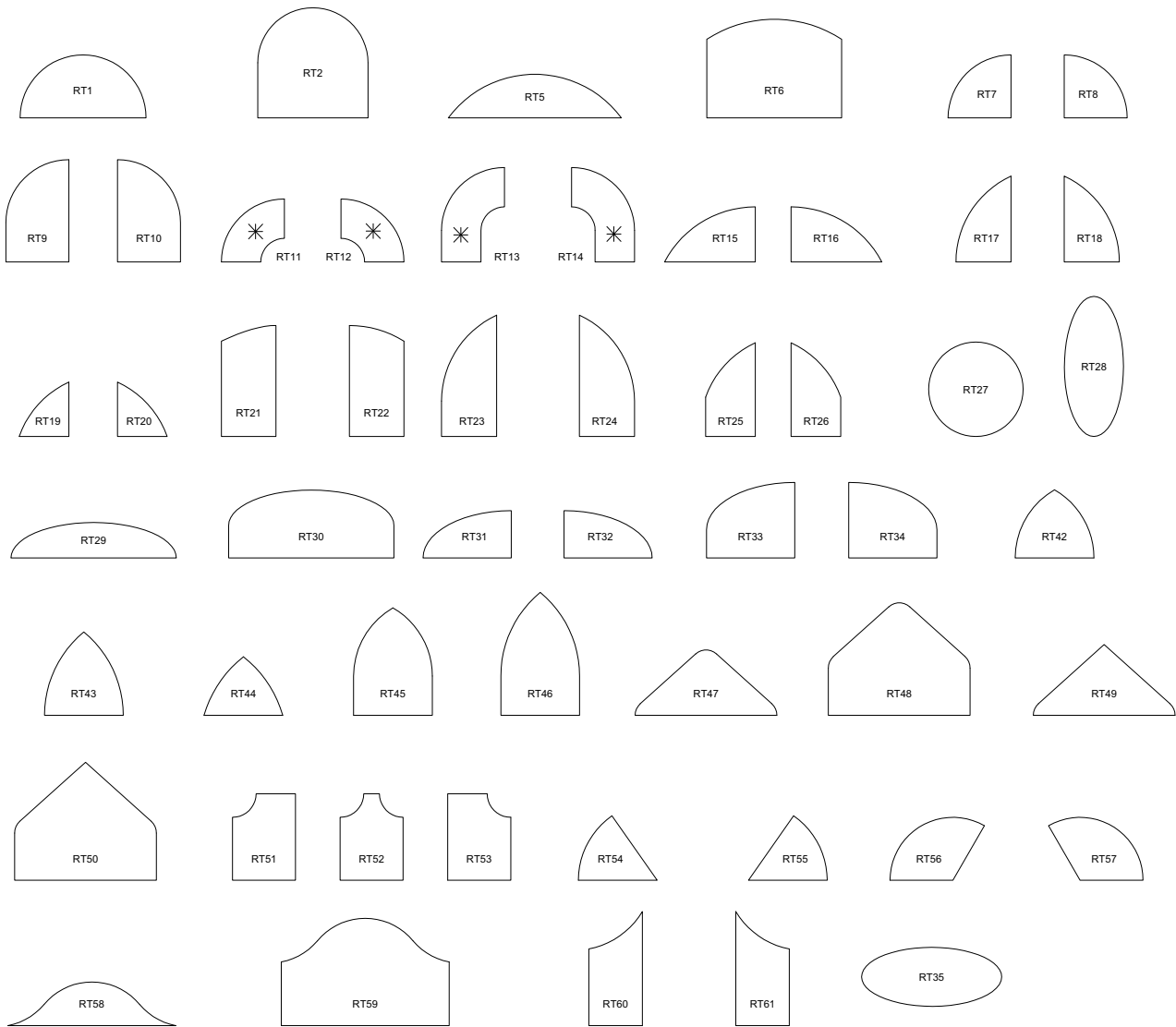
Wood Direct Glaze Round Top
Over Wood Ultimate Casement



Wood Direct Glaze Round Top
over Wood Ultimate Double Hung

Wood Direct Glaze Polygon and Round Top

Wood Direct Glaze Round Top Shape Reference



NOTE: For RT11, RT12, RT13 or RT14, please contact your Marvin representative for limitations.

Wood Direct Glaze Polygon and Round Top

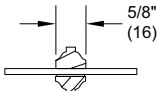
Single Glaze Divided Lite Options



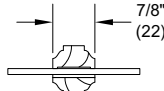
Single Glaze



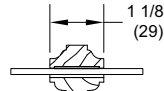
Single Glaze
W/ Energy Panel



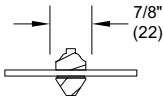
5/8" SDL



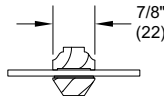
7/8" SDL



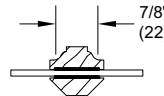
1 1/8" SDL



7/8" SG-ADL



7/8" SG-ADL
W/ Energy Panel

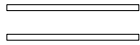


7/8" SG-ADL
Full Depth Muntin

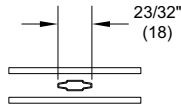
*NOTE: ADL and single glaze are not available with CE mark
ADL option defaults to pre-June 24, 2013, platform*

Wood Direct Glaze Polygon and Round Top

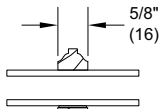
Standard Insulating Glass Divided Lite Options



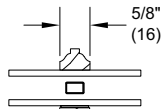
Insulating Glass



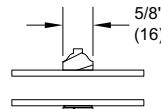
Aluminum 23/32"
Contour GBG



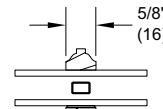
5/8" SDL



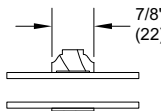
5/8" SDL
W/Spacer



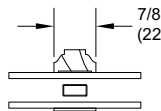
5/8" Putty
SDL



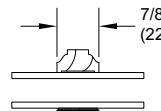
5/8" Putty SDL
W/Spacer



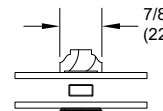
7/8" SDL



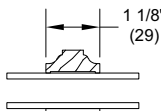
7/8" SDL
W/Spacer Bar



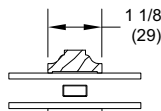
7/8" Putty SDL



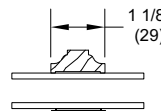
7/8" Putty SDL
W/Spacer Bar



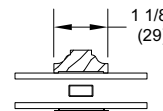
1 1/8" SDL



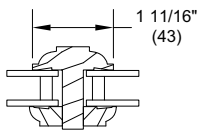
1 1/8" SDL
W/Spacer Bar



1 1/8" Putty SDL



1 1/8" Putty SDL
W/Spacer Bar



1 11/16" IG ADL

Wood Direct Glaze Polygon and Round Top

Optional Interior Square Simulated Divided Lite

