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PRODUCT SPECIFICATIONS**EXTERIOR FINISH**

The standard exterior is factory-applied latex primer with an option for unfinished (stain grade) natural pine exterior available.

AURALAST® WOOD

AuraLast® wood is fundamentally different from wood treated in traditional millwork preservation processes in that it uses a proprietary vacuum/pressure process to provide protection throughout the wood parts used to make windows and doors. AuraLast® wood is distinguished from wood using traditional preservation methods by its unique ability to achieve greater penetration of the active ingredients into the wood parts, with a minimum treatment penetration of 92%.

INTERIOR FINISH

Interior surfaces are unfinished clear pine ready for on-site finishing. Optional prefinished pine interiors include four acrylic colors (Moderate White, Extra White, Natural Choice, Pure White), five stains (Wheat, Cherry, Fruitwood, Cordovan, Cider) and a clear lacquer topcoat. Primed interior is also available.

FRAME

Frame is assembled from select kiln-dried pine AuraLast® wood on all exterior parts. Standard jamb width is 4-9/16".

SASH

2-3/32" thick select kiln-dried pine AuraLast® wood. The glass is mounted into the sash using a silicone-glazing compound on the exterior and acrylic sealant on the interior, then secured with interior applied profiled wood stops. To accommodate the new nesting crank hardware, the height of the bottom rail on all operable casement, awning, radius and geometric units has been increased to 2-3/32".

GLAZING

Insulating glass is constructed from two panes of glass, utilizing a continuous roll formed stainless steel spacer with dual seal sealant. Radius insulating glass is construction of panes of glass utilizing an anodized rectangular spacer. The glass is mounted into the sash using a silicone-glazing compound and secured with interior applied profiled wood stops. All insulating glass units comply with the performance requirements of IGCC in accordance with either ASTM E774 or E2190.

GLAZING OPTIONS

Insulating glass available in Low-E with Argon, Low-E, Low-E 366, Clear, Neat Glass, Seedy Reamy, tinted, reflective, or obscure, tempered or other specialty glass as specified. Preserve® film is a 0.003" thick polyethylene film with a low tack acrylic adhesive applied to the glass for protection during shipping and installation. Installations at 4,000 foot elevations and higher require a capillary tube to equalize environmental stress (otherwise known as High Altitude glazing). High Altitude glazing does not allow the use of Argon as listed under glazing options.

WEATHER-STRIPPING

Engineered system combines foam lined bulb seal compressed between the interior of the sash and the frame in a continuous plane on all four sides with a secondary bulb seal compressed between the edge of the sash and the frame.

HARDWARE

Operating sash are mounted to the frame with corrosion resistant steel hinges. Radius operating sash are mounted into the frame with stainless steel leaf hinges. The operating hardware is made of hardened steel worm gears and a heavy gauge steel-operating arm. The sash is secured with concealed type locking hardware. The interior operator cover, nesting crank handle, and locking handle finish options are White, Chestnut Bronze, Desert Sand, plated Polished Brass, Antique Brass, Polished Chrome, Brushed Chrome and Oil-Rubbed Bronze.

INTERIOR INSECT SCREENS

Charcoal fiberglass screen cloth (18x16 mesh) set in painted roll formed aluminum frame fitted to the inside of the window with all necessary hardware, in White, Chestnut Bronze or Desert Sand finishes. Wood veneer screen frames are available in Ponderosa Pine. Insect screens are intended to allow air and light in and to keep insects out. They are not intended to keep anyone or anything from falling through an open window. For safety screens or other security devices contact your local building supply retailer.

GRILLES

SDL (Simulated Divided Lites) - extruded pre-primed aluminum muntins permanently applied to the exterior of the insulating glass unit (not available on textured glass) in 5/8", 7/8", 1-1/8", or 1-3/8" widths. Profiles are bead stop in all widths, and a putty profile in 5/8", 7/8", and 1-1/8" widths only. SDL is standard with a light bronze internal shadow bar to give a true divided lite appearance. As an option, SDL may be ordered with a silver shadow bar. Clear wood interior muntin bars match the exterior muntin width and are permanently bonded to the interior of the glass. Also available is a 2-5/16" SDL bar, which simulates a double-hung checkrail.

Full-Surround Removable Wood Grilles - Rectangular, unfinished interior clear pine wood grilles in 7/8", 1-1/8", and 1-3/8" are available in patterns selected by the owner.

GBG (Grilles between the Glass) - 5/8" flat, 23/32" contour, or 1" contour grilles mounted between the glass panes suspended within the air cavity.

EXTERIOR TRIM

Brickmould standard with optional 3-1/2", 4-1/2", 5-1/2" flat trim, 3-1/2" Adams and 1 x 4 Backband trim. Optional mull covers to accommodate 1" (spread only), 2", 3-1/2" and 6" spread and stud pocket mull.

EXTENSION JAMBS

Extensions are applied to the interior on all four sides of the frame in wall depths up to 9-1/8" for 4/4 and up to 13-11/16" for 5/4, factory applied.

Continued on next page

PRODUCT SPECIFICATIONS

INSTALLATION

Installation per JELD-WEN Installation Method for Wood Windows.
See www.jeld-wen.com/resources for instructions.

PERFORMANCE

NFRC Certified - (rated and labeled in accordance with NFRC 100 and 200 procedures)

ANSI/AAMA/NWDA/101/I.S.2-97
AMMA/WDMA/CSA 101/I.S.2/A440-05
WDMA Hallmark Certified

See www.jeld-wen.com for architectural and performance information.

QUICK SPEC GUIDE

SPECIFICATION	STANDARD FEATURES	OPTIONAL FEATURES <i>Some options may require additional lead times. Consult your JELD-WEN Sales Representative.</i>
EXTERIOR FINISH	<ul style="list-style-type: none"> • Primed 	<ul style="list-style-type: none"> • Natural Pine • Vertical Grain Douglas Fir • Mahogany <p>Sash Only:</p> <ul style="list-style-type: none"> • Bright Copper* <i>*Copper is only available when ordered with a clad sash</i> • Speckled Patina Copper • Hand Rubbed Patina Copper
EXTERIOR TRIM	<ul style="list-style-type: none"> • Brickmould & Subsill 	<ul style="list-style-type: none"> • Adams Casing • 3-1/2" Flat Casing • 4-1/2" Flat Casing • 5-1/2" Flat Casing • 1x4 Backband • Extended Sill Nose
INTERIOR WOOD	<ul style="list-style-type: none"> • Western Pine 	<ul style="list-style-type: none"> • Vertical Grain Douglas Fir • Mahogany
INTERIOR FINISH	<ul style="list-style-type: none"> • Natural 	<ul style="list-style-type: none"> • Priming Available <p>Pre-finished Interior Options are:</p> <ul style="list-style-type: none"> • Paint - Pure White, Extra White, Natural Choice, Moderate White • Stain - Wheat, Fruitwood, Cherry, Cordovan, Cider • Clear Lacquer
SIZE	<ul style="list-style-type: none"> • Standard sizes available in Full Rounds, Octagons, Casement Half Rounds, Casement Quarter Rounds, Double-Hung Half Rounds, Twin Double-Hung Half Rounds, Double-Hung Quarter Rounds, In-Swing and Out-Swing Patio Door Half Rounds in both true and replacement sizes. 	<ul style="list-style-type: none"> • Custom sizes and shapes from 6" to 120" • Smallest frame angle is 11 degrees • Smallest frame radius is 9" • Smallest full round is 18" diameter • Operating Geometrics cannot exceed 32" in width, cannot exceed 15 sq. ft., and the short leg must be 2/3 of the overall height.
GLAZING	<ul style="list-style-type: none"> • Low-E Insulating Glass (with Argon) • Low-E 366 • Preserve® Protective Film 	<ul style="list-style-type: none"> • Clear • Obscure • Reflective • Tints: Bronze, Gray, Green • Glue Chip • Safety Laminated in Clear, Bronze or Gray • Neat Glass • Seedy Reamy • Rain • Narrow Reed • Sandblasted • Tempered • Impact Resistant <p>• High Altitude (Breather Tube, no Argon)</p>

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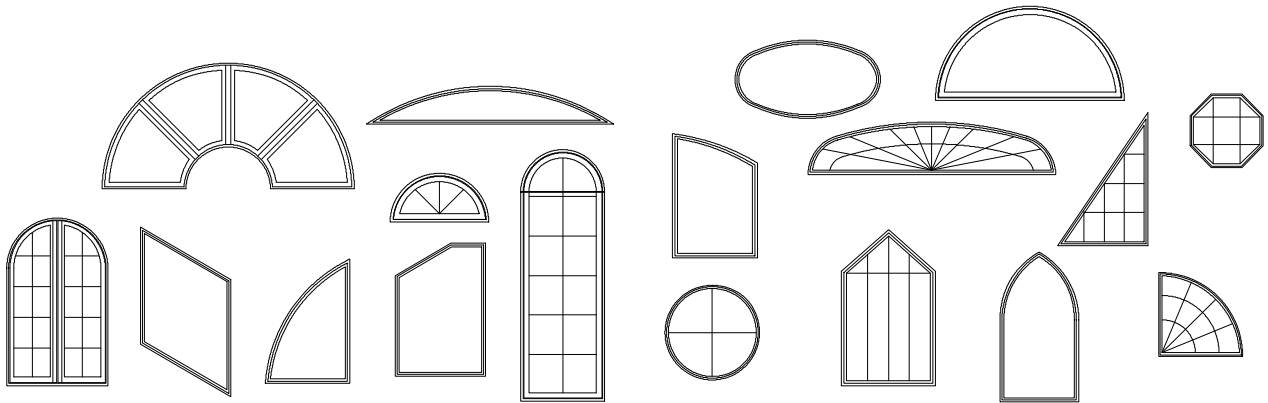
QUICK SPEC GUIDE

SPECIFICATION	STANDARD FEATURES	OPTIONAL FEATURES <i>Some options may require additional lead times. Consult your JELD-WEN Sales Representative.</i>
GRILLES		SDL Bead Profile: <ul style="list-style-type: none"> • 5/8", 7/8", 1-1/8", 1-3/8", 2-5/16" with Light Bronze Shadow Bar • 5/8", 7/8", 1-1/8", 1-3/8", 2-5/16" with Silver Shadow Bar SDL Putty Profile: <ul style="list-style-type: none"> • 5/8", 7/8" and 1-1/8" with Light Bronze Shadow Bar • 5/8", 7/8" and 1-1/8" with Silver Shadow Bar GBG (Grilles between the Glass): <ul style="list-style-type: none"> • 5/8" Flat, 23/32" Contour, 1" Contour Full-Surround: <ul style="list-style-type: none"> • 7/8", 1-1/8", 1-3/8"
HARDWARE		<ul style="list-style-type: none"> • Roto Operator (single arm) • Concealed Locking System
HARDWARE COLOR		<ul style="list-style-type: none"> • White • Chestnut Bronze • Desert Sand • Polished Brass • Antique Brass • Polished Chrome • Brushed Chrome • Oil-Rubbed Bronze
JAMB	<ul style="list-style-type: none"> • Applied, 5/4 • 4-9/16" 	<ul style="list-style-type: none"> • Up to 9-1/8" 4/4 • Up to 13-11/16" 5/4
INSECT SCREENS		<ul style="list-style-type: none"> • Fiberglass
SCREEN FRAME COLOR		<ul style="list-style-type: none"> • White • Chestnut Bronze • Desert Sand Wood Veneer (Interior) <ul style="list-style-type: none"> • Ponderosa Pine

GENERAL INFORMATION

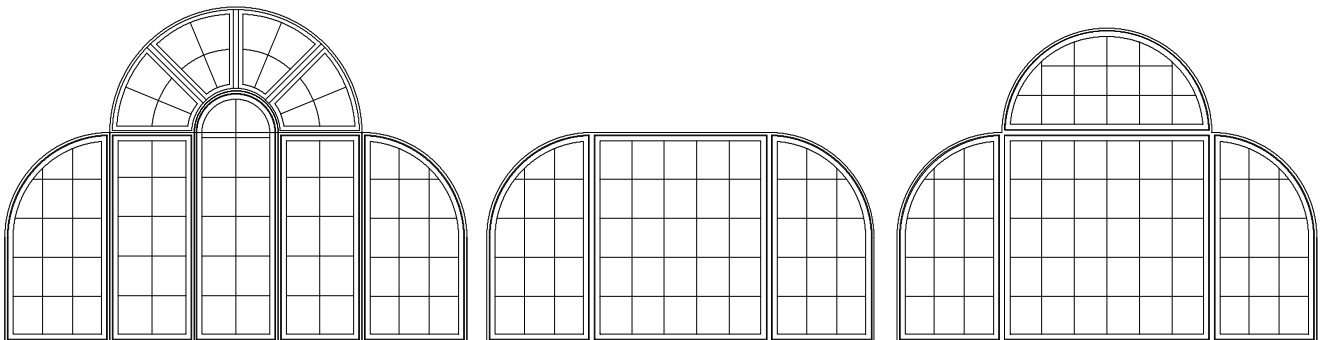
STANDARD SIZES & DESIGNS

Wood Epic in-sash geometric windows are produced one-at-a-time to customer order, and are available in a nearly infinite range of sizes and shapes. Specified sizes, angles, and radii can be attained in finished units to meet the most demanding architectural requirements.



MULTIPLE ASSEMBLIES

Wood Epic in-sash geometric windows may be mullied above, below, or beside other wood geometric windows, or other wood window or patio door products. Factory assembled mulls are limited in height (100"), width (150"), and a total area of 75 square feet.

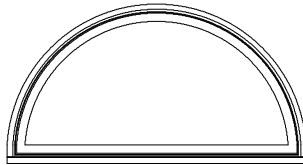


ELEVATION NOTES

ELEVATION DRAWINGS UTILIZE A LIMITED NUMBER OF PROJECTED LINES TO PRODUCE A RUDIMENTARY DRAWING INTENDED TO BE USED IN A SMALL GRAPHICAL SCALE. ELEVATIONS ARE VIEWED PERPENDICULAR FROM THE EXTERIOR OF THE STRUCTURE. IF MORE DIMENSIONS ARE NEEDED, USE THE SECTION DRAWINGS (Pages 14 through 20) FOR MORE COMPLETE DEPICTIONS.

M.O. Brickmould	75 3/4" (1924)	Masonry Openings for Brickmould, Flat & Adams Casing. Vertical measurements include subsill. (Subtract 1/2" from Masonry Opening for Unit Size)
M.O. Adams/Flat Casing	78 13/16" (2002)	
Rough Opening	72 3/4" (1848)	
Frame Size	72" (1829)	
Glass Size	65 7/8" (1673)	

- 40 27/32" (1037)
- 42 3/8" (1076)
- 37 3/4" (959)
- 37" (940)
- 30 7/8" (784)






















CWE72HRIS



GENERAL NOTES

1. UNIT ELEVATIONS ARE SHOWN WITHOUT EXTERIOR TRIM.
2. ELEVATION DRAWINGS SHOW STANDARD LIGHT CUTS FOR 7/8" [22] OR 1 1/8" [29] GRILLE BARS OR SIMULATED DIVIDED LITE.
3. VALUES IN () ARE MILLIMETER CONVERSIONS.
4. HALF ROUNDS, QUARTER ROUNDS AND FULL ROUNDS ARE ONLY AVAILABLE AS STATIONARY (FIXED).

CASEMENT HALF ROUND UNITS

M.O. BRICKMOULD M.O. ADAMS/FLAT CASING ROUGH OPENING FRAME SIZE DAYLIGHT OPENING	21 3/4" (552) 24 13/16" (630) 18 3/4" (476) 18" (457) 11 7/8" (302)	23 3/4" (603) 26 13/16" (681) 20 3/4" (527) 20" (508) 13 7/8" (352)	27 3/4" (705) 30 13/16" (783) 24 3/4" (629) 24" (610) 17 7/8" (454)	31 3/4" (806) 34 13/16" (884) 28 3/4" (730) 28" (711) 21 7/8" (556)	33 3/4" (857) 36 13/16" (935) 30 3/4" (781) 30" (762) 23 7/8" (607)
	13 27/32" (352) 15 3/8" (391) 10 3/4" (273) 10" (254) 3 7/8" (98)	14 27/32" (377) 16 3/8" (416) 11 3/4" (298) 11" (279) 4 7/8" (124)	16 27/32" (428) 18 3/8" (467) 13 3/4" (349) 13" (330) 6 7/8" (175)	18 27/32" (479) 20 3/8" (518) 15 3/4" (400) 15" (381) 8 7/8" (225)	19 27/32" (504) 21 3/8" (543) 16 3/4" (425) 16" (406) 9 7/8" (251)
					
M.O. BRICKMOULD M.O. ADAMS/FLAT CASING ROUGH OPENING FRAME SIZE DAYLIGHT OPENING	35 3/4" (908) 38 13/16" (986) 32 3/4" (832) 32" (813) 25 7/8" (657)	39 3/4" (1010) 42 13/16" (1087) 36 3/4" (933) 36" (914) 29 7/8" (759)	43 3/4" (1111) 46 13/16" (1189) 40 3/4" (1035) 40" (1016) 33 7/8" (860)	45 3/4" (1162) 48 13/16" (1240) 42 3/4" (1086) 42" (1067) 35 7/8" (911)	
	20 27/32" (529) 22 3/8" (568) 17 3/4" (451) 17" (432) 10 7/8" (276)	22 27/32" (580) 24 3/8" (619) 19 3/4" (502) 19" (483) 12 7/8" (327)	24 27/32" (631) 26 3/8" (670) 21 3/4" (552) 21" (533) 14 7/8" (378)	25 27/32" (656) 27 3/8" (695) 22 3/4" (578) 22" (559) 15 7/8" (403)	
					
M.O. BRICKMOULD M.O. ADAMS/FLAT CASING ROUGH OPENING FRAME SIZE DAYLIGHT OPENING	51 3/4" (1314) 54 13/16" (1392) 48 3/4" (1238) 48" (1219) 41 7/8" (1064)	57 3/4" (1467) 60 13/16" (1545) 54 3/4" (1391) 54" (1372) 47 7/8" (1216)	59 3/4" (1518) 62 13/16" (1595) 56 3/4" (1441) 56" (1422) 49 7/8" (1267)		
	28 27/32" (733) 30 3/8" (772) 25 3/4" (654) 25" (635) 18 7/8" (479)	31 27/32" (809) 33 3/8" (848) 28 3/4" (731) 28" (712) 21 7/8" (556)	32 27/32" (834) 34 3/8" (873) 29 3/4" (756) 29" (737) 22 7/8" (581)		
					
M.O. BRICKMOULD M.O. ADAMS/FLAT CASING ROUGH OPENING FRAME SIZE DAYLIGHT OPENING	63 3/4" (1619) 66 13/16" (1697) 60 3/4" (1543) 60" (1524) 53 7/8" (1368)	67 3/4" (1721) 70 13/16" (1799) 64 3/4" (1645) 64" (1626) 57 7/8" (1470)	69 3/4" (1772) 72 13/16" (1849) 66 3/4" (1695) 66" (1676) 59 7/8" (1581)		
	34 27/32" (885) 36 3/8" (924) 31 3/4" (806) 31" (787) 24 7/8" (632)	36 27/32" (936) 38 3/8" (975) 33 3/4" (857) 33" (838) 26 7/8" (683)	37 27/32" (961) 39 3/8" (1000) 34 3/4" (883) 34" (864) 27 7/8" (708)		
					
M.O. BRICKMOULD M.O. ADAMS/FLAT CASING ROUGH OPENING FRAME SIZE DAYLIGHT OPENING	75 3/4" (1924) 78 13/16" (2002) 72 3/4" (1848) 72" (1829) 65 7/8" (1673)	87 3/4" (2229) 90 13/16" (2307) 84 3/4" (2153) 84" (2134) 77 7/8" (1978)			
	40 27/32" (1037) 42 3/8" (1076) 37 3/4" (959) 37" (940) 30 7/8" (784)	46 27/32" (1190) 48 3/8" (1229) 43 3/4" (1111) 43" (1093) 36 7/8" (937)			
					
M.O. BRICKMOULD M.O. ADAMS/FLAT CASING ROUGH OPENING FRAME SIZE DAYLIGHT OPENING	93 3/4" (2381) 96 13/16" (2459) 90 3/4" (2305) 90" (2286) 83 7/8" (2130)	99 3/4" (2534) 102 13/16" (2611) 96 3/4" (2457) 96" (2438) 89 7/8" (2283)			
	49 27/32" (1266) 51 3/8" (1305) 46 3/4" (1187) 46" (1168) 39 7/8" (1013)	52 27/32" (1342) 54 3/8" (1381) 49 3/4" (1264) 49" (1245) 42 7/8" (1089)			
					

ELEVATION SYMBOL LEGEND:

M.O. = MASONRY OPENING
 VALUES IN () ARE IN MILLIMETER CONVERSIONS.

Note: Elevations shown DO NOT have exterior trim. Subtract 1/2" (12.7) from M.O. (Masonry Opening) for Unit Sizes. Masonry Openings above include Sill Nose, see Trim Options page for Sill Nose specifications. For other Trim Options refer to the Unit Sizing, Rough Opening & Masonry Openings page.

SCALE: 1/4" = 1'

CASEMENT QUARTER ROUND UNITS

M.O. BRICKMOULD
M.O. ADAMS/FLAT CASING
ROUGH OPENING
FRAME SIZE
DAYLIGHT OPENING

21 3/4" (552)
24 13/16" (630)
18 3/4" (476)
18" (457)
11 7/8" (302)



23 3/4" (603)
26 13/16" (681)
20 3/4" (527)
20" (508)
13 7/8" (352)



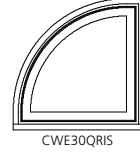
27 3/4" (705)
30 13/16" (783)
24 3/4" (629)
24" (610)
17 7/8" (454)



31 3/4" (806)
34 13/16" (884)
28 3/4" (730)
28" (711)
21 7/8" (556)



33 3/4" (857)
36 13/16" (935)
30 3/4" (781)
30" (762)
23 7/8" (607)

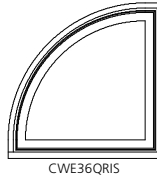


M.O. BRICKMOULD
M.O. ADAMS/FLAT CASING
ROUGH OPENING
FRAME SIZE
DAYLIGHT OPENING

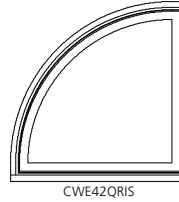
35 3/4" (908)
38 13/16" (986)
32 3/4" (832)
32" (813)
25 7/8" (657)



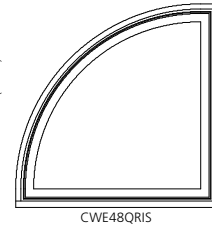
39 3/4" (1010)
42 13/16" (1087)
36 3/4" (933)
36" (914)
29 7/8" (759)



45 3/4" (1162)
48 13/16" (1240)
42 3/4" (1086)
42" (1067)
35 7/8" (911)



51 3/4" (1314)
54 13/16" (1392)
48 3/4" (1238)
48" (1219)
41 7/8" (1064)



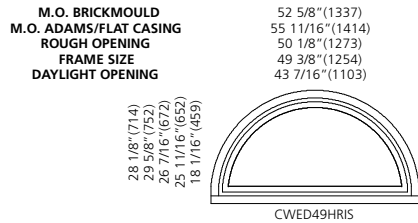
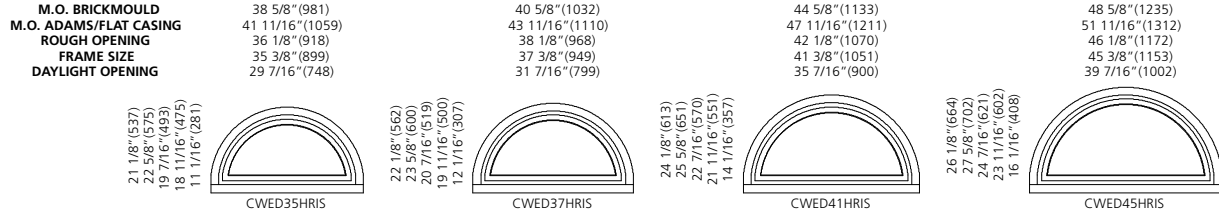
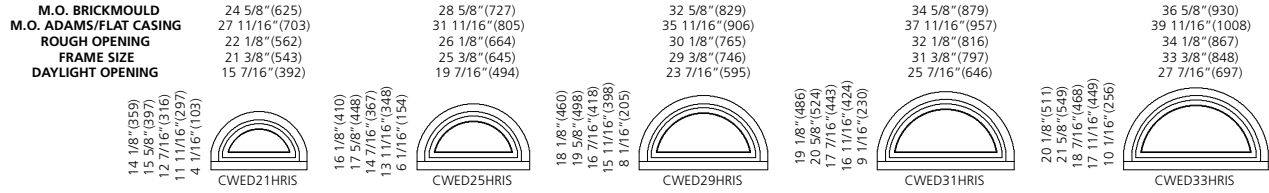
ELEVATION SYMBOL LEGEND:

M.O. = MASONRY OPENING
VALUES IN () ARE IN MILLIMETER CONVERSIONS.

Note: Elevations shown DO NOT have exterior trim. Subtract 1/2" (12.7) from M.O. (Masonry Opening) for Unit Sizes. Masonry Openings above include Sill Nose, see Trim Options page for Sill Nose specifications. For other Trim Options refer to the Unit Sizing, Rough Opening & Masonry Openings page.

SCALE: 1/4" = 1'

DOUBLE-HUNG HALF ROUND UNITS



ELEVATION SYMBOL LEGEND:

M.O. = MASONRY OPENING
VALUES IN () ARE IN MILLIMETER CONVERSIONS.

Note: Elevations shown DO NOT have exterior trim. Subtract 1/2" (12.7) from M.O. (Masonry Opening) for Unit Sizes. Masonry Openings above include Sill Nose, see Trim Options page for Sill Nose specifications. For other Trim Options refer to the Unit Sizing, Rough Opening & Masonry Openings page.

SCALE: 1/4" = 1'

DOUBLE-HUNG HALF ROUND UNITS

M.O. BRICKMOULD
M.O. ADAMS/FLAT CASING
ROUGH OPENING
FRAME SIZE
DAYLIGHT OPENING

46" (1168)
49 1/16" (1246)
43 1/2" (1105)
42 3/4" (1086)
36 13/16" (935)

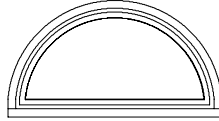
24 13/16" (630)
26 5/16" (668)
23 1/8" (587)
22 3/8" (568)
13 3/4" (349)



CWED21-2HRIS

54" (1372)
57 1/16" (1449)
51 1/2" (1308)
50 3/4" (1289)
44 13/16" (1138)

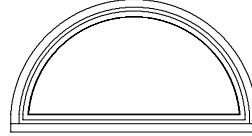
28 13/16" (732)
30 5/16" (770)
27 1/8" (689)
26 3/8" (670)
17 3/4" (451)



CWED25-2HRIS

62" (1575)
65 1/16" (1653)
59 1/2" (1511)
58 3/4" (1492)
52 13/16" (1341)

32 13/16" (833)
34 5/16" (872)
31 1/8" (791)
30 3/8" (772)
21 3/4" (552)

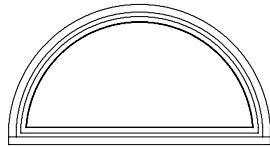


CWED29-2HRIS

M.O. BRICKMOULD
M.O. ADAMS/FLAT CASING
ROUGH OPENING
FRAME SIZE
DAYLIGHT OPENING

66" (1676)
69 1/16" (1754)
63 1/2" (1613)
62 3/4" (1594)
56 13/16" (1443)

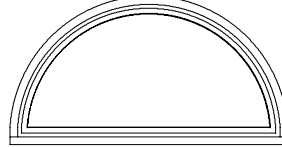
34 13/16" (884)
36 5/16" (922)
33 1/8" (841)
32 3/8" (822)
23 3/4" (603)



CWED31-2HRIS

70" (1778)
73 1/16" (1856)
67 1/2" (1715)
66 3/4" (1695)
60 13/16" (1545)

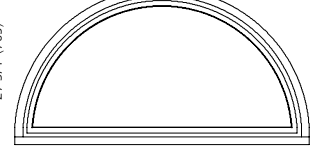
36 13/16" (935)
38 5/16" (973)
35 1/8" (892)
34 3/8" (873)
25 3/4" (654)



CWED33-2HRIS

74" (1880)
77 1/16" (1957)
71 1/2" (1816)
70 3/4" (1797)
64 13/16" (1646)

38 13/16" (986)
40 5/16" (1024)
37 1/8" (943)
36 3/8" (924)
27 3/4" (705)

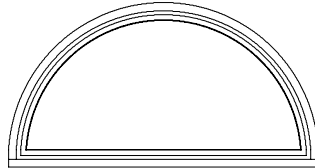


CWED35-2HRIS

M.O. BRICKMOULD
M.O. ADAMS/FLAT CASING
ROUGH OPENING
FRAME SIZE
DAYLIGHT OPENING

78" (1981)
81 1/16" (2059)
75 1/2" (1918)
74 3/4" (1899)
68 13/16" (1748)

40 13/16" (1037)
42 5/16" (1075)
39 1/8" (994)
38 3/8" (975)
29 3/4" (756)



CWED37-2HRIS

86" (2184)
89 1/16" (2262)
83 1/2" (2121)
82 3/4" (2102)
76 13/16" (1951)

44 13/16" (1138)
46 5/16" (1176)
43 1/8" (1095)
42 3/8" (1076)
33 3/4" (857)

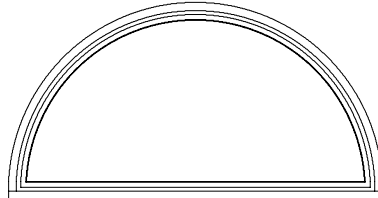


CWED41-2HRIS

M.O. BRICKMOULD
M.O. ADAMS/FLAT CASING
ROUGH OPENING
FRAME SIZE
DAYLIGHT OPENING

94" (2388)
97 1/16" (2465)
91 1/2" (2324)
90 3/4" (2305)
84 13/16" (2154)

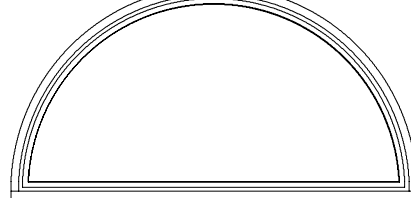
48 13/16" (1240)
50 5/16" (1278)
47 1/8" (1197)
46 3/8" (1178)
37 3/4" (959)



CWED45-2HRIS

102" (2591)
105 1/16" (2669)
99 1/2" (2527)
92 3/4" (2356)
86 13/16" (2205)

52 13/16" (1341)
54 5/16" (1380)
51 1/8" (1299)
50 3/8" (1280)
41 3/4" (1060)



CWED49-2HRIS

ELEVATION SYMBOL LEGEND:

M.O. = MASONRY OPENING
VALUES IN () ARE IN MILLIMETER CONVERSIONS.

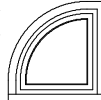
Note: Elevations shown DO NOT have exterior trim. Subtract 1/2" (12.7) from M.O. (Masonry Opening) for Unit Sizes. Masonry Openings above include Sill Nose, see Trim Options page for Sill Nose specifications. For other Trim Options refer to the Unit Sizing, Rough Opening & Masonry Openings page.

SCALE: 1/4" = 1'

DOUBLE-HUNG QUARTER ROUND UNITS

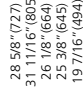
M.O. BRICKMOUND 24 5/8" (625)
M.O. ADAMS/FLAT CASING 27 11/16" (703)
ROUGH OPENING 22 1/8" (562)
FRAME SIZE 21 3/8" (543)
DAYLIGHT OPENING 15 7/16" (392)

24 5/8" (625)
27 11/16" (703)
22 1/8" (562)
21 3/8" (543)
15 7/16" (392)



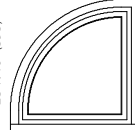
CWED21QRIS

28 5/8" (727)
31 11/16" (805)
26 1/8" (664)
25 3/8" (645)
19 7/16" (494)



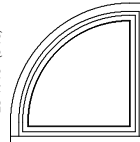
CWED25QRIS

32 5/8" (829)
35 11/16" (906)
30 1/8" (765)
29 3/8" (746)
23 7/16" (595)



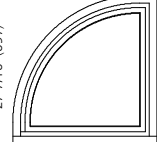
CWED29QRIS

34 5/8" (879)
37 11/16" (957)
32 1/8" (816)
31 3/8" (797)
25 7/16" (646)



CWED31QRIS

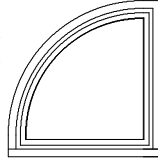
36 5/8" (930)
39 11/16" (1008)
34 1/8" (867)
33 3/8" (848)
27 7/16" (697)



CWED33QRIS

M.O. BRICKMOUND 38 5/8" (981)
M.O. ADAMS/FLAT CASING 41 11/16" (1059)
ROUGH OPENING 36 1/8" (918)
FRAME SIZE 35 3/8" (899)
DAYLIGHT OPENING 29 7/16" (748)

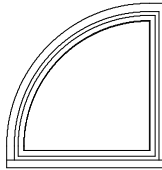
38 5/8" (981)
41 11/16" (1059)
36 1/8" (918)
35 3/8" (899)
29 7/16" (748)



CWED35QRIS

40 5/8" (1032)
43 11/16" (1110)
38 1/8" (968)
37 3/8" (949)
31 7/16" (799)

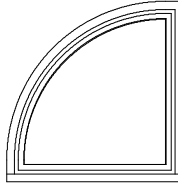
40 5/8" (1032)
43 11/16" (1110)
38 1/8" (968)
37 3/8" (949)
31 7/16" (799)



CWED37QRIS

44 5/8" (1133)
47 11/16" (1211)
42 1/8" (1070)
41 3/8" (1051)
35 7/16" (900)

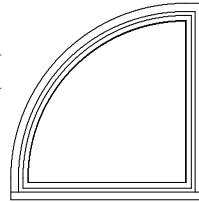
44 5/8" (1133)
47 11/16" (1211)
42 1/8" (1070)
41 3/8" (1051)
35 7/16" (900)



CWED41QRIS

48 5/8" (1235)
51 11/16" (1312)
46 1/8" (1172)
45 3/8" (1153)
39 7/16" (1002)

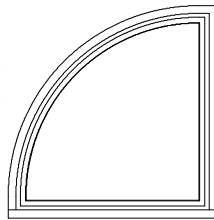
48 5/8" (1235)
51 11/16" (1312)
46 1/8" (1172)
45 3/8" (1153)
39 7/16" (1002)



CWED45QRIS

M.O. BRICKMOUND 52 5/8" (1337)
M.O. ADAMS/FLAT CASING 55 11/16" (1414)
ROUGH OPENING 50 1/8" (1273)
FRAME SIZE 49 3/8" (1254)
DAYLIGHT OPENING 43 7/16" (1103)

52 5/8" (1337)
55 11/16" (1414)
50 1/8" (1273)
49 3/8" (1254)
43 7/16" (1103)



CWED49QRIS

ELEVATION SYMBOL LEGEND:

M.O. = MASONRY OPENING
VALUES IN () ARE IN MILLIMETER CONVERSIONS.

Note: Elevations shown DO NOT have exterior trim. Subtract 1/2" (12.7) from M.O. (Masonry Opening) for Unit Sizes. Masonry Openings above include Sill Nose, see Trim Options page for Sill Nose specifications. For other Trim Options refer to the Unit Sizing, Rough Opening & Masonry Openings page.

SCALE: 1/4" = 1'

IN-SWING PATIO DOOR HALF ROUND UNITS

M.O. BRICKMOULD 27 3/16" (691)
M.O. ADAMS/FLAT CASING 30 1/4" (768)
ROUGH OPENING 24 3/16" (614)
FRAME SIZE 23 7/16" (595)
DAYLIGHT OPENING 17 5/16" (440)

33 3/16" (843)
36 1/4" (921)
30 3/16" (767)
29 7/16" (748)
23 5/16" (592)

35 3/16" (894)
38 1/4" (972)
32 3/16" (818)
31 7/16" (799)
25 5/16" (643)

39 3/16" (995)
42 1/4" (1073)
36 3/16" (919)
35 7/16" (900)
29 5/16" (745)

50 3/8" (1280)
53 7/16" (1357)
47 3/8" (1203)
46 5/8" (1184)
40 1/2" (1029)

16 9/16" (421)
18 1/8" (460)
13 1/2" (343)
12 3/4" (324)
5 7/8" (149)



CWEIPD20HRIS

19 9/16" (497)
21 1/8" (537)
16 1/2" (419)
15 3/4" (400)
8 7/8" (225)



CWEIPD26HRIS

20 9/16" (522)
22 1/8" (562)
17 1/2" (445)
16 3/4" (425)
9 7/8" (251)



CWEIPD28HRIS

22 9/16" (573)
24 1/8" (613)
19 1/2" (495)
18 3/4" (476)
11 7/8" (302)



CWEIPD30HRIS

28 3/16" (716)
29 11/16" (754)
25 1/16" (637)
24 5/16" (618)
18 3/16" (462)



CWEIPD40HRIS

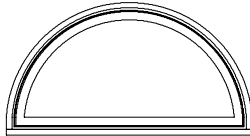
M.O. BRICKMOULD
M.O. ADAMS/FLAT CASING
ROUGH OPENING
FRAME SIZE
DAYLIGHT OPENING

62 3/8" (1584)
65 7/16" (1662)
59 3/8" (1508)
58 5/8" (1489)
52 1/2" (1334)

66 3/8" (1676)
69 7/16" (1764)
63 3/8" (1609)
62 5/8" (1591)
56 1/2" (1435)

74 3/8" (1889)
77 7/16" (1967)
71 3/8" (1813)
70 5/8" (1794)
64 1/2" (1638)

34 3/16" (868)
35 11/16" (906)
31 1/16" (789)
30 5/16" (770)
24 3/16" (614)



CWEIPD50HRIS

36 3/16" (919)
37 11/16" (957)
33 1/16" (840)
32 5/16" (821)
26 3/16" (665)



CWEIPD54HRIS

40 3/16" (1021)
41 11/16" (1059)
37 1/16" (941)
36 5/16" (922)
30 3/16" (767)



CWEIPD60HRIS

ELEVATION SYMBOL LEGEND:

M.O. = MASONRY OPENING
VALUES IN () ARE IN MILLIMETER CONVERSIONS.

Note: Elevations shown DO NOT have exterior trim. Subtract 1/2" (12.7) from M.O. (Masonry Opening) for Unit Sizes. Masonry Openings above include Sill Nose, see Trim Options page for Sill Nose specifications. For other Trim Options refer to the Unit Sizing, Rough Opening & Masonry Openings page.

SCALE: 1/4" = 1'

IN-SWING PATIO DOOR HALF ROUND UNITS
TRUE SIZES

M.O. BRICKMOULD
M.O. ADAMS/FLAT CASING
ROUGH OPENING
FRAME SIZE
DAYLIGHT OPENING

29 3/16" (741)
32 1/4" (819)
26 3/16" (665)
25 7/16" (646)
19 5/16" (491)

37 3/16" (945)
40 1/4" (1022)
34 3/16" (868)
33 7/16" (849)
27 5/16" (694)

41 3/16" (1046)
44 1/4" (1124)
38 3/16" (970)
37 7/16" (951)
31 5/16" (795)

47 3/16" (1199)
50 1/4" (1276)
44 3/16" (1122)
43 7/16" (1103)
37 5/16" (948)

17 9/16" (446)
19 1/8" (486)
14 1/2" (368)
13 3/4" (349)
6 7/8" (175)



CWEIPDT20HRIS

21 9/16" (547)
23 1/8" (587)
18 1/2" (470)
17 3/4" (451)
10 7/8" (276)



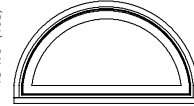
CWEIPDT28HRIS

23 9/16" (598)
25 1/8" (638)
20 1/2" (521)
19 3/4" (502)
12 7/8" (327)



CWEIPDT30HRIS

26 9/16" (674)
28 1/8" (714)
23 1/2" (597)
22 3/4" (578)
15 7/8" (403)



CWEIPDT36HRIS

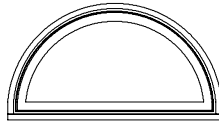
M.O. BRICKMOULD
M.O. ADAMS/FLAT CASING
ROUGH OPENING
FRAME SIZE
DAYLIGHT OPENING

54 3/8" (1381)
57 7/16" (1459)
51 3/8" (1305)
50 5/8" (1286)
44 1/2" (1130)

70 3/8" (1788)
73 7/16" (1865)
67 3/8" (1711)
66 5/8" (1692)
60 1/2" (1537)

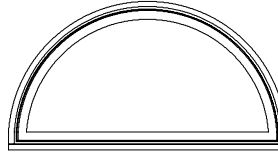
78 3/8" (1991)
81 7/16" (2069)
75 3/8" (1915)
74 5/8" (1895)
68 1/2" (1740)

30 3/16" (767)
31 11/16" (805)
27 1/16" (687)
26 5/16" (668)
20 3/16" (513)



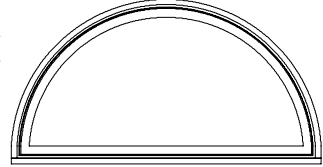
CWEIPDT40HRIS

38 3/16" (970)
39 11/16" (1008)
35 1/16" (891)
34 5/16" (872)
28 3/16" (716)



CWEIPDT54HRIS

42 3/16" (1072)
43 11/16" (1110)
39 1/16" (992)
38 5/16" (973)
32 3/16" (818)

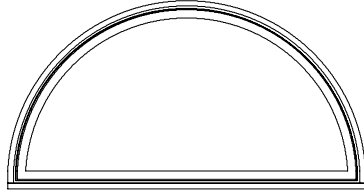


CWEIPDT60HRIS

M.O. BRICKMOULD
M.O. ADAMS/FLAT CASING
ROUGH OPENING
FRAME SIZE
DAYLIGHT OPENING

90 3/8" (2296)
93 7/16" (2373)
87 3/8" (2219)
86 5/8" (2200)
80 1/2" (2045)

48 3/16" (1224)
49 11/16" (1262)
45 1/16" (1145)
44 5/16" (1126)
38 3/16" (970)



CWEIPDT70HRIS

ELEVATION SYMBOL LEGEND:

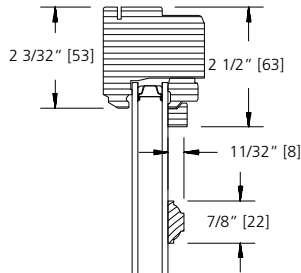
M.O. = MASONRY OPENING
VALUES IN () ARE IN MILLIMETER CONVERSIONS.

Note: Elevations shown DO NOT have exterior trim. Subtract 1/2" (12.7) from M.O. (Masonry Opening) for Unit Sizes. Masonry Openings above include Sill Nose, see Trim Options page for Sill Nose specifications. For other Trim Options refer to the Unit Sizing, Rough Opening & Masonry Openings page.

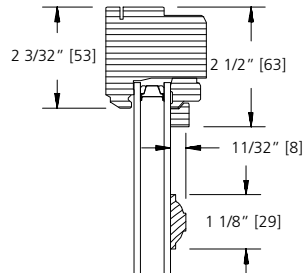
SCALE: 1/4" = 1'

GLAZING OPTIONS

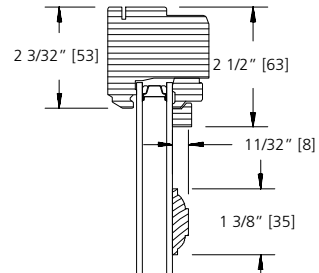
INTERIOR GLAZED
INSULATED 3/4" [19] GLASS



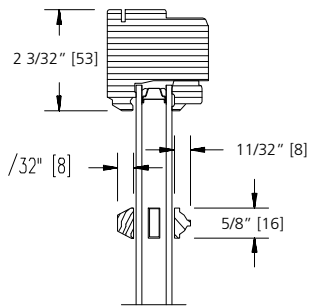
7/8" GRILLE BAR



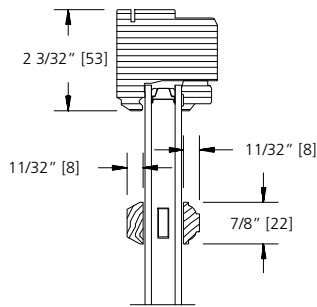
1 1/8" GRILLE BAR



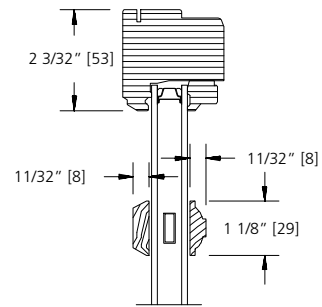
1 3/8" GRILLE BAR



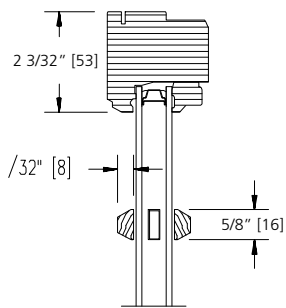
**5/8" SDL BAR
(PUTTY/BEAD)**



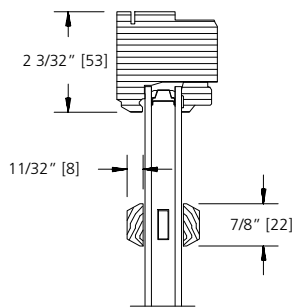
**7/8" SDL BAR
(PUTTY/BEAD)**



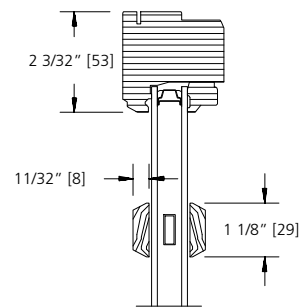
**1 1/8" SDL BAR
(PUTTY/BEAD)**



**5/8" SDL BAR
(PUTTY/PUTTY)**



**7/8" SDL BAR
(PUTTY/PUTTY)**



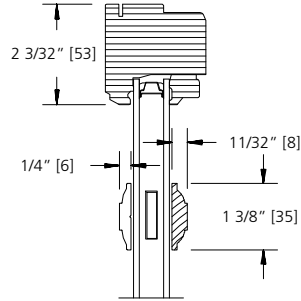
**1 1/8" SDL BAR
(PUTTY/PUTTY)**

Continued on next page

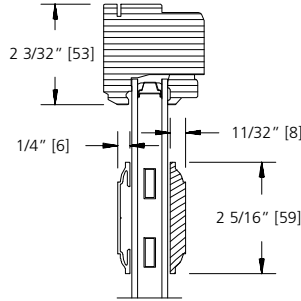
Scale: 3" = 1'

GLAZING OPTIONS

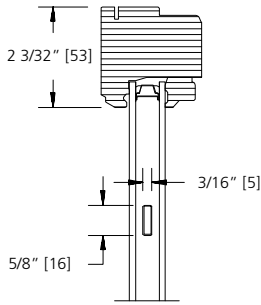
INTERIOR GLAZED
INSULATED 3/4" [19] GLASS



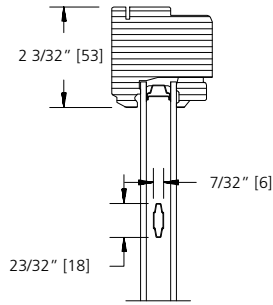
**1 3/8" SDL BAR
(BEAD STOP)**



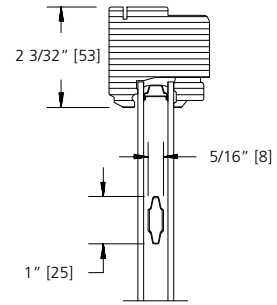
**2 5/16" SDL BAR
(BEAD STOP)**



**5/8" FLAT
GBG**



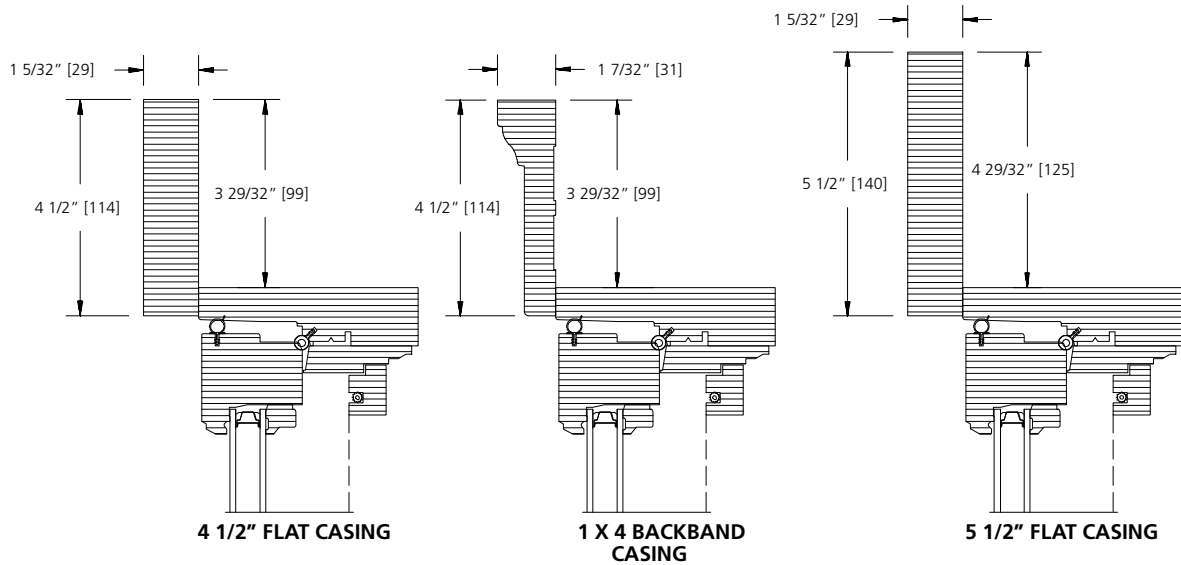
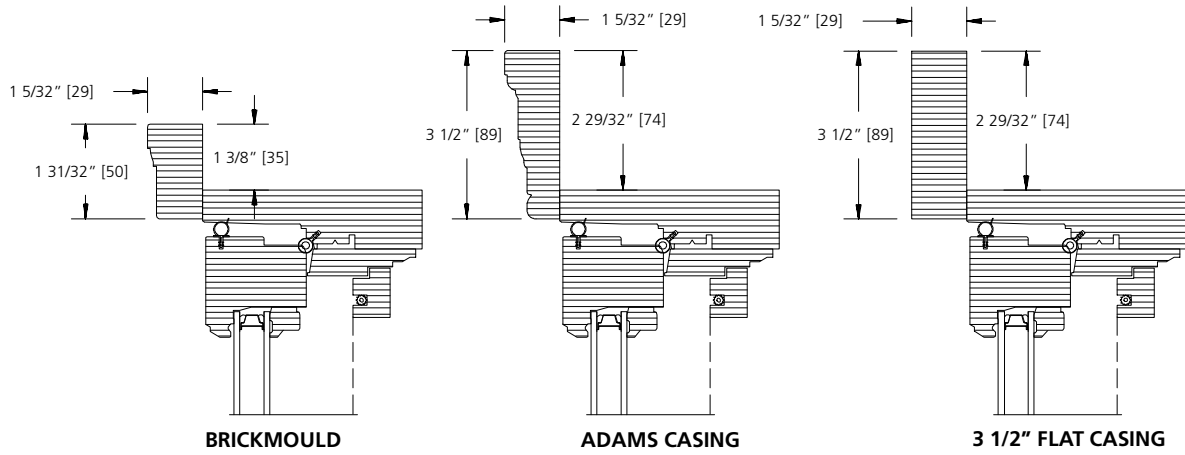
**23/32" CONTOUR
GBG**



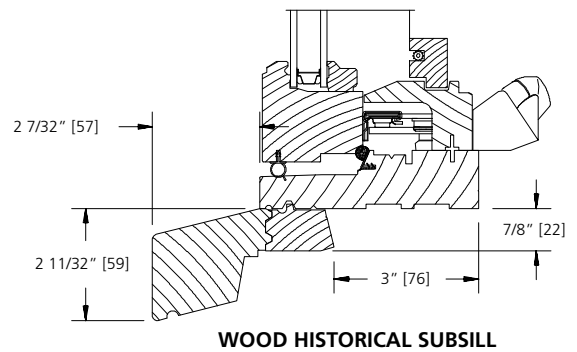
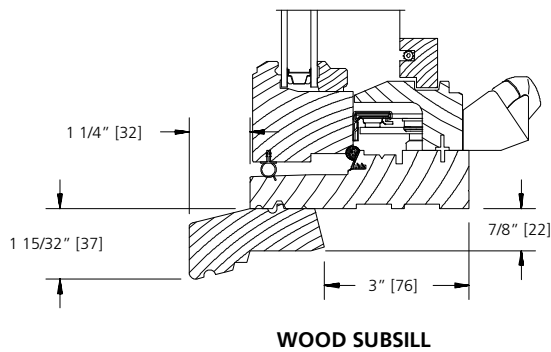
**1" CONTOUR
GBG**

TRIM OPTIONS

WOOD EXTERIOR TRIM



WOOD SUBSILL OPTIONS



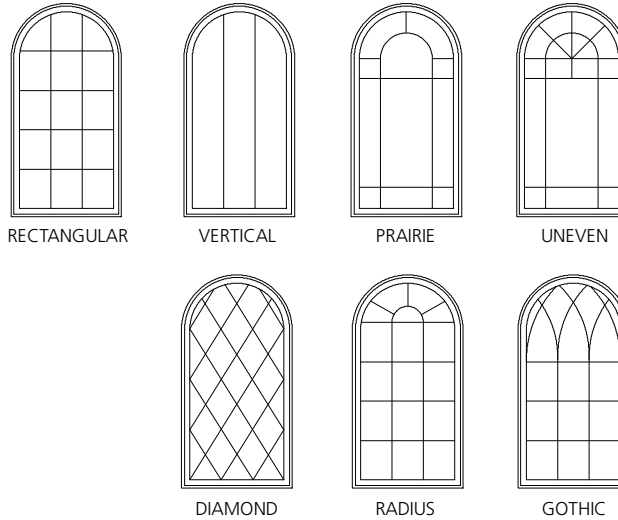
SCALE: 3" = 1'

LITE CUT INFORMATION

Wood Epic in-sash geometric windows are available with removable grilles in 5/8", 7/8", 1-1/8" and 1-3/8" widths, grids between the glass, and Simulated Divided Lites. Standard lite cuts are rectangular.

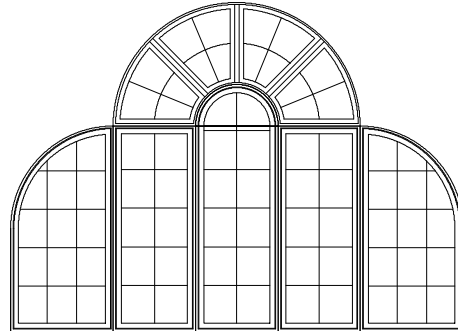
LITE CUT OPTIONS

Special lite cut patterns can include a wide variety of straight line and radius patterns. The illustrations shown here represent just a few of the possibilities. Rectangular, horizontal, vertical and Prairie lite patterns are available in all standard size wood in sash geometric windows. Uneven, diamond, radius and Gothic lite cuts are available, subject to approval. Approvals are based on the ability to fulfill the design requirement while maintaining the construction integrity of the finished product.

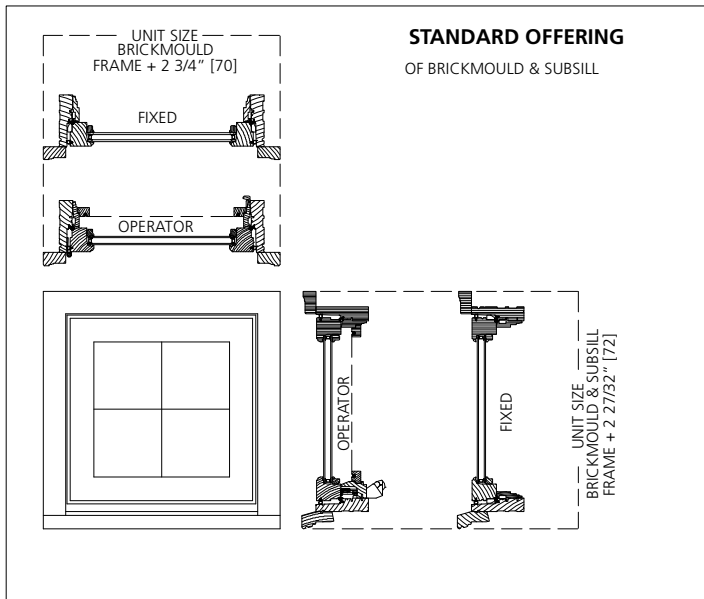


BAR ALIGNMENT

Alignment of divided lite muntin bars from one window to the next is often required by fine architectural design. Wood grilles, grids between the glass, and Simulated Divided Lites may be specified with muntin bars aligned.



UNIT SIZING, ROUGH OPENINGS & MASONRY OPENINGS

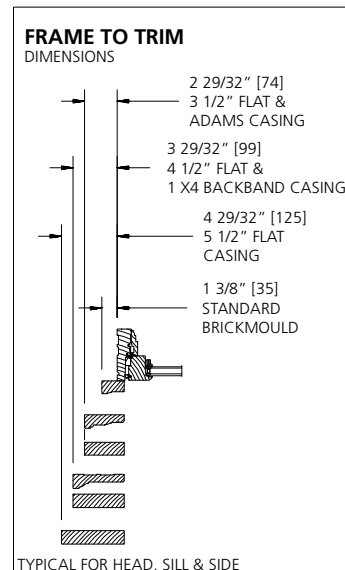
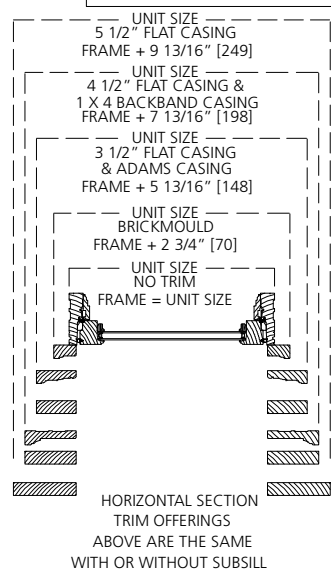
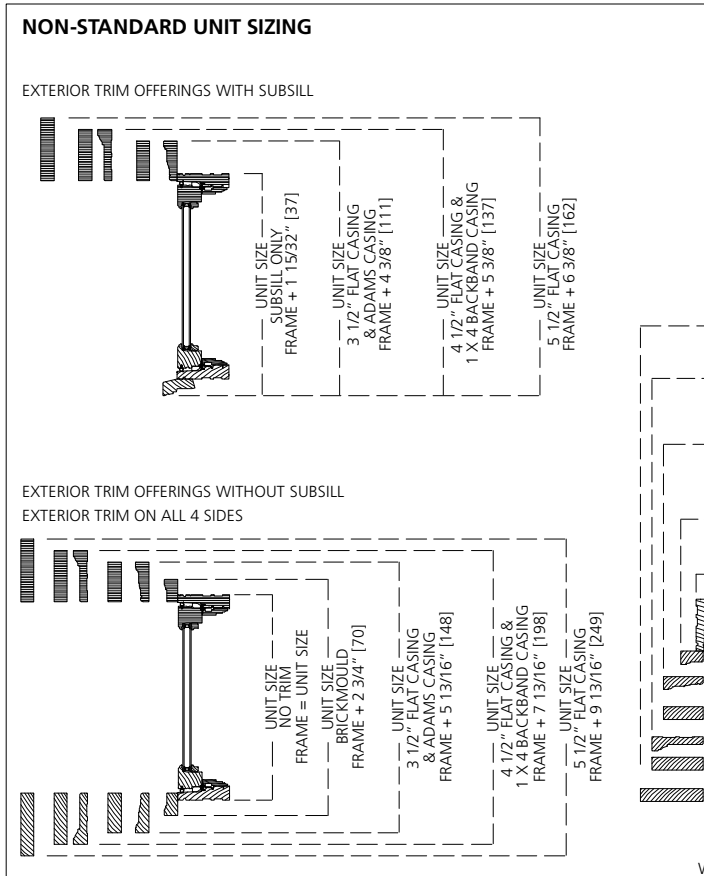
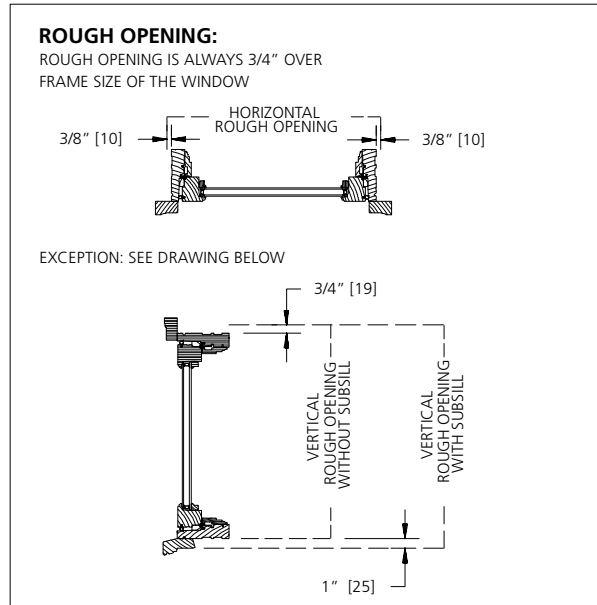


GENERAL NOTES:

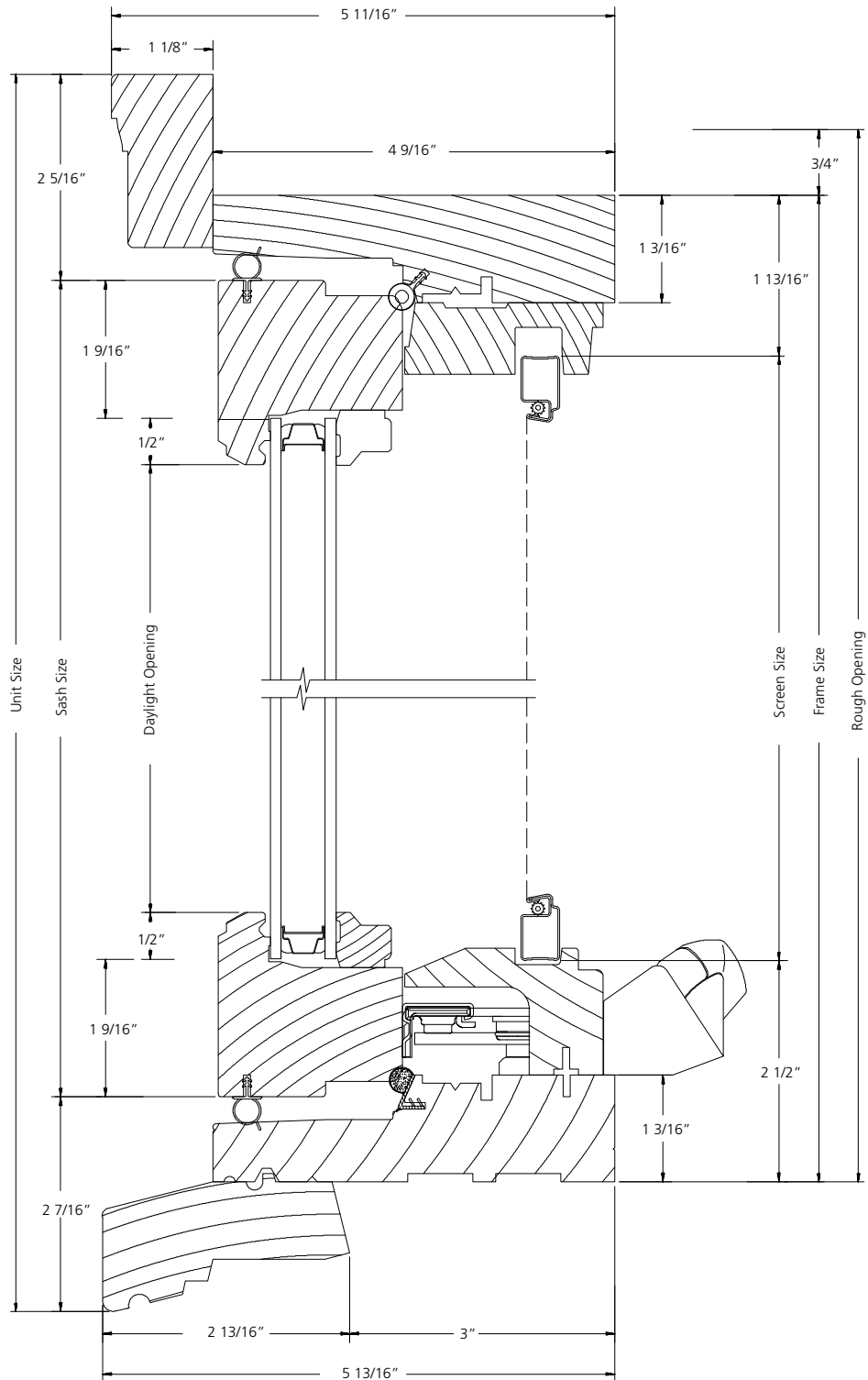
UNITS WITH NO TRIM AND SUBSILL:
UNIT SIZE = FRAME SIZE

UNIT SIZE IS ALWAYS THE
EXTREME SIZE OF THE WINDOW
WITH OR WITHOUT TRIM

MASONRY OPENING:
MASONRY OPENING IS ALWAYS 1/2" OVER
THE UNIT SIZE OF THE WINDOW



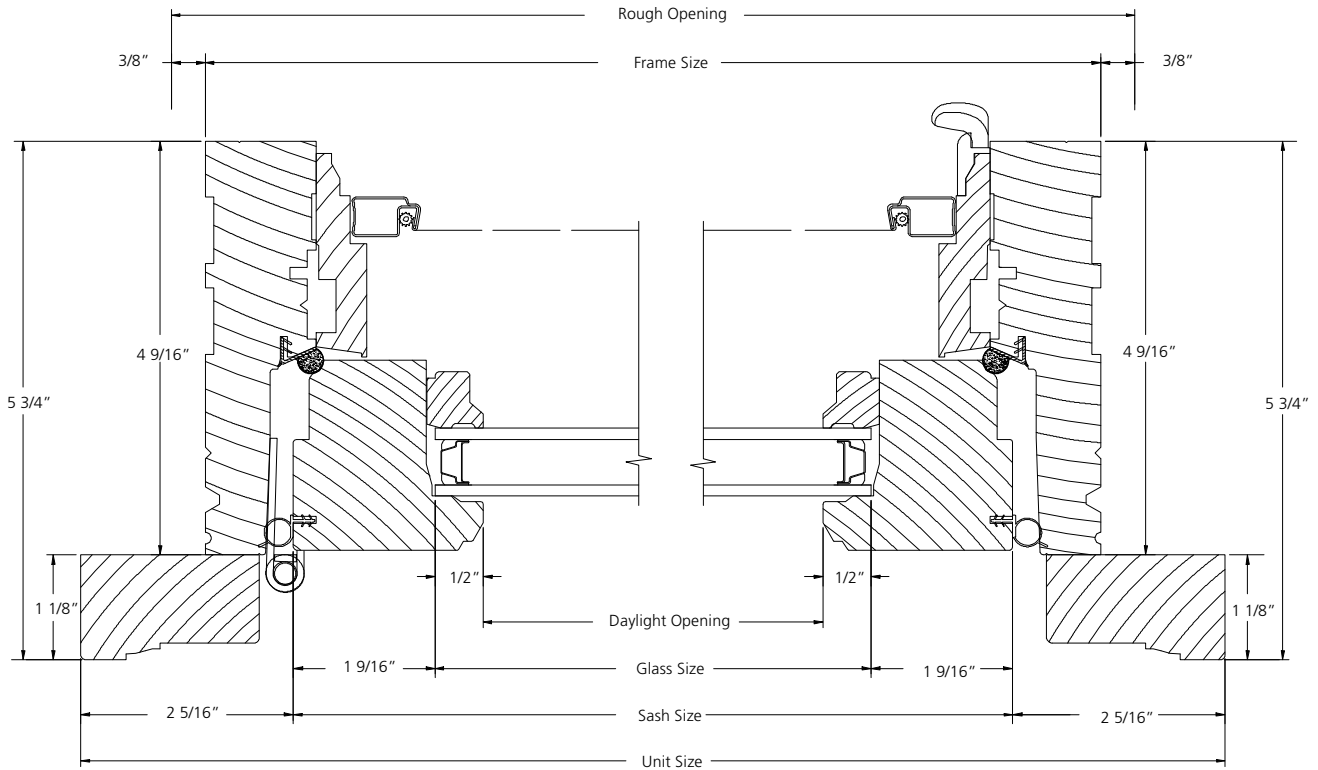
GEOMETRIC UNIT



VERTICAL SECTION

SCALE: 6" = 1'

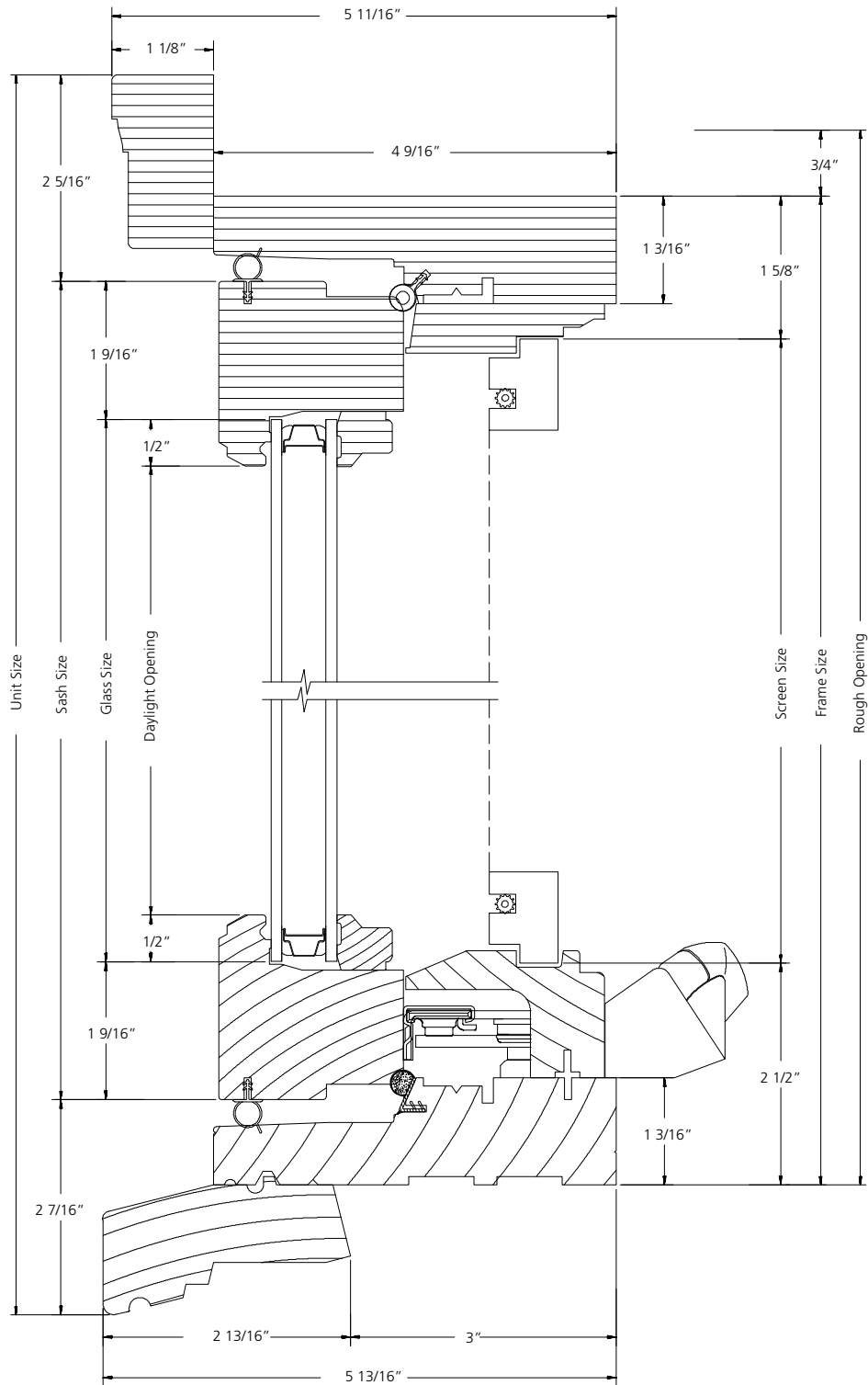
GEOMETRIC UNIT



HORIZONTAL SECTION

SCALE: 6" = 1'

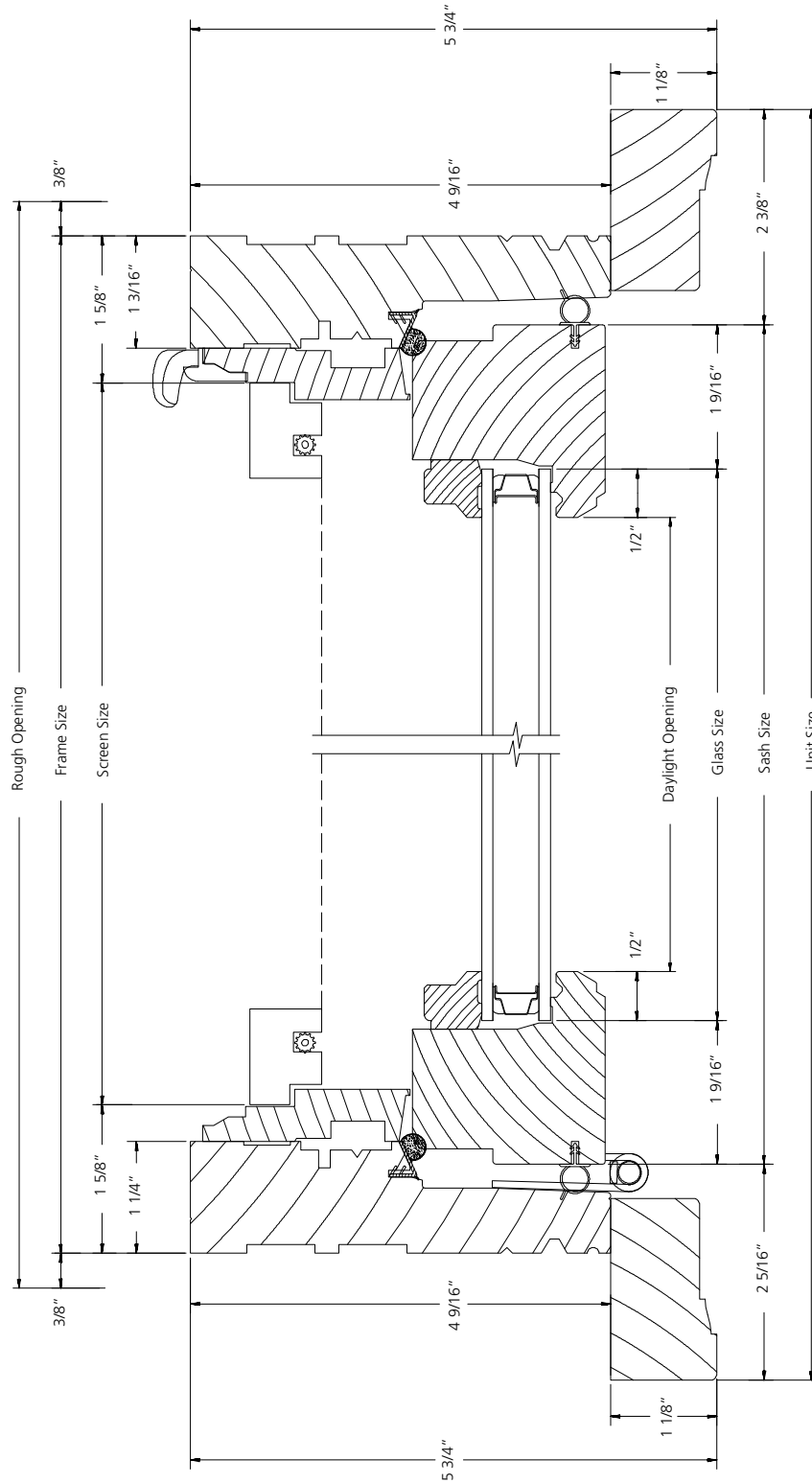
RADIUS UNIT



VERTICAL SECTION

SCALE: 6" = 1'

RADIUS UNIT



HORIZONTAL SECTION

SCALE: 6" = 1'