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PRODUCT SPECIFICATIONS**EXTERIOR FINISH**

All exterior surfaces are covered with a factory-applied latex primer.

AURALAST® WOOD

AuraLast® wood is fundamentally different from wood resulting from 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 the current preservation methods by its unique ability to achieve greater penetration of the active ingredients into the wood parts, with a penetration of the treatment being a minimum of 92%.

INTERIOR FINISH

All interior surfaces are unfinished clear pine ready for on site finishing. Primed and pre-finished interiors are available in paint: Pure White, Extra White, Natural Choice, Moderate White; in stain: Wheat, Cherry, Cordovan; and Clear Lacquer.

FRAME

Frame is assembled from select kiln dried pine using AuraLast® wood on all exterior parts. Frame corner joints are tightly secured with metal fasteners and adhesive. Frame thickness is 1 1/16" (17.5mm) at head, side jamb and sill. Basic jamb width is 4-9/16" (116mm) and may be extended for different wall depths. Finished frame has exterior casing, sill nosing, weather-stripping, hardware, and interior stops applied.

SASH

Sash is 1-7/16" (36.5mm) thick select kiln-dried pine using AuraLast® wood. Stiles and rails are mortise and tenoned, machine clamped for squareness and secured with metal fasteners. 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. Sash operate in a non-compression ivory colored jamb liner that allows both top and bottom sash to tilt inside for easy cleaning and removal without the use of tools. No finger plow sash available on venting units.

GLAZING

3/4" (19mm) thick sealed insulating glass is constructed from two panes of glass, utilizing a continuous roll formed stainless steel spacer with dual seal sealant. 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

3/4" insulating glass available in Low-E with Argon, Low-E, Low-E 366, Clear, Neat Glass, reflective, tinted, 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. 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 PVC ivory jamb liner with dual bulb weather-stripping at head. Checkrail features thermoplastic rubber bulb and recessed cam action sash lock for secure closure. Rigid vinyl water stops at sill provide additional restraint against weather.

HARDWARE

Sash operate by means of a dual block and tackle balance system with nylon roller pulleys and high-tension coil springs. Balance system gauged to sash weight and uses pre-stretched dacron cords attached to clutch mechanisms to insure smooth, operation and compliance with operating force requirements. Jamb liners are Ivory (White is optional). Recessed cam action sash lock is available in White, Chestnut Bronze, Desert Sand or optional Bright Brass, Antique Brass, Polished Brass, Brushed Chrome or Imitation Oil Rubbed Bronze. 28" glass width and larger units have two sash locks. Optional Lexan sash lift available for no finger plow sash.

EXTERIOR INSECT SCREENS

Charcoal fiberglass screen cloth (18x16 mesh) set in painted roll formed aluminum frame with color to match cladding - choice of Brilliant White, Chestnut Bronze, Desert Sand, French Vanilla, Hartford Green, Mesa Red, Black, Arctic Silver or Dark Chocolate, installed in channel on frame extrusion and held in place with spring loaded plungers at the top and sides of screen. Aluminum mesh and Phantom screen also available. 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) - wood muntins permanently applied to the exterior of the insulating glass unit (not available on textured glass) in 7/8" (22mm), 1-1/8" (28.5mm), or 1-3/8" (34.9mm) widths. 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" (59mm) SDL bar, which simulates a double-hung checkrail.

Full Surround Wood Grilles - Rectangular unfinished clear pine wood grilles in 7/8" (22mm) are available in patterns selected by the owner.

GBG (Grilles between the Glass) - 5/8" (15.9mm) flat and 23/32" or 1" contour mounted between the glass panes suspended within the air cavity.

EXTERIOR TRIM

1-3/32" (27.8mm) x 2" (50.8mm) brickmould with 1-1/16" (27mm) x 1-3/4" (44.5mm) nosing is standard. Flat casing is available as 1-3/32" (27.8mm) x 2" (50.8mm), 1-3/32" (27.8mm) x 3-1/2" (89mm), 1-3/32" (27.8mm) x 4-1/2" (114.3mm), and 1-3/32" (27.8mm) x 5-1/2" (139.7mm). The following profiled casings are available: RB-3 and Adams as 1-1/16" x 3-1/2" (89mm), and Williamsburg 1-3/16" x 3-1/4". Historical wood sill nosing 1-3/4" (44.5mm) and 2-13/16" (71.4mm) is also available.

Continued on next page

PRODUCT SPECIFICATIONS

EXTENSION JAMBS

Extension jambs are factory applied to the interior on all four sides of the frame and are 4/4 standard thick pine to accommodate wall depths up to 9-5/16" with one piece, and up to 12" with two pieces. 9/16" (14.2mm) option also available.

INSTALLATION

Installation per JELD-WEN Installation Method for Wood Windows JII003 or JII012. See www.jeld-wen.com/resources for instructions.

PERFORMANCE

NFRC Certified - (Rated and labeled in accordance with NFRC)

WDMA Hallmark Certified -
In accordance with **AAMA/NWWDA/101/I.S.2-97**

QUICK SPEC GUIDE

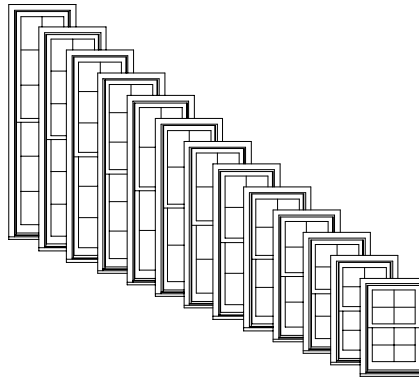
SPECIFICATION	STANDARD FEATURES	OPTIONAL FEATURES <i>Some options may require additional lead times. Consult your JELD-WEN Sales Representative.</i>
FRAME	<ul style="list-style-type: none"> Fingerjoint Wood 	
EXTERIOR FINISH	<ul style="list-style-type: none"> Primed 	<ul style="list-style-type: none"> Natural
EXTERIOR TRIM	<ul style="list-style-type: none"> 1-3/32" Brickmould Drip Cap 	<ul style="list-style-type: none"> Flat Casing: 1-3/32" x 2", 3-1/2", 4-1/2", and 5-1/2" Williamsburg Casing: 1-3/16" x 3-1/4" RB-3 Casing: 1-1/16" x 3-1/2" Adams Casing: 1-1/16" x 3-1/2" 1X4 Backband Casing: 1-7/32" x 4-1/2" 2" Historical Nosing No Brickmould Option
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 Clear Lacquer
SIZE	<ul style="list-style-type: none"> Width: Venting Double-Hung: 21-3/8, 25-3/8, 29-3/8, 31-3/8, 33-3/8, 37-3/8, 41-3/8, 45-3/8 Picture Double-Hung: 21-3/8, 25-3/8, 29-3/8, 31-3/8, 33-3/8, 37-3/8, 41-3/8, 45-3/8, 49-3/8, 53-3/8, 61-3/8, 69-3/8, 77-3/8 Height: Venting Double-Hung: 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, 80, 88, 92 Picture Double-Hung: 15, 18, 24, 32, 36, 40, 44, 48, 52, 56, 60, 64, 68, 72, 76, 80, 88, 92 For RO, add 3/4" 	<ul style="list-style-type: none"> Width: Venting Double-Hung: Minimum: 16" Maximum: 45-3/8" Picture Double-Hung: Minimum: 16" Maximum: 77-3/8" Fixed Units over 49-3/8" wide can be up to 80" high Fixed Units up to 49-3/8" wide can be up to 92" high Height: Venting Double-Hung: Minimum: 28" Maximum: 92" * * glass can't exceed 42" high Picture Double-Hung: Minimum: 15" Maximum: 92" Fixed Units over 49-3/8" wide can be up to 80" high Fixed Units up to 49-3/8" wide can be up to 92" high For RO, add 3/4"
GLAZING	<ul style="list-style-type: none"> Low-E Insulating Glass Preserve® Protective Film 	<ul style="list-style-type: none"> Clear Obscure Bronze Low-E 366 High Altitude Neat Glass Reflective Tempered

Continued on next page

QUICK SPEC GUIDE

SPECIFICATION	STANDARD FEATURES	OPTIONAL FEATURES <i>Some options may require additional lead times. Consult your JELD-WEN Sales Representative.</i>
GRILLES		<ul style="list-style-type: none"> • 5/8" Flat, 23/32" or 1" Contour GBG • 7/8" Full Surround Wood Grilles SDL Bead Profile: <ul style="list-style-type: none"> • 7/8", 1-1/8", 1-3/8", 2-5/16" with Light Bronze Shadow Bar • 7/8", 1-1/8", 1-3/8", 2-5/16" with Silver Shadow Bar
HARDWARE	<ul style="list-style-type: none"> • Balance: Dual Block and Tackle • Cam Locks • Ivory Jamb Liners (standard) 	<ul style="list-style-type: none"> • White
HARDWARE COLOR	<ul style="list-style-type: none"> • White • Desert Sand • Chestnut Bronze 	<ul style="list-style-type: none"> • Antique Brass • Polished Brass • Brushed Chrome • Imitation Oil Rubbed Bronze
JAMB	<ul style="list-style-type: none"> • 4-9/16" 	<ul style="list-style-type: none"> • Minimum: 4-9/16" • Maximum: 9-5/16" (one piece) • Maximum: 12" (two piece)
SCREENS	<ul style="list-style-type: none"> • Fiberglass 	<ul style="list-style-type: none"> • Aluminum Mesh available • Phantom Screen - some size limitations apply
SCREEN FRAME COLOR	<ul style="list-style-type: none"> • Brilliant White • Chestnut Bronze • Desert Sand • French Vanilla • Mesa Red <ul style="list-style-type: none"> • Hartford Green • Black • Arctic Silver • Dark Chocolate 	

GENERAL INFORMATION
DOUBLE-HUNG



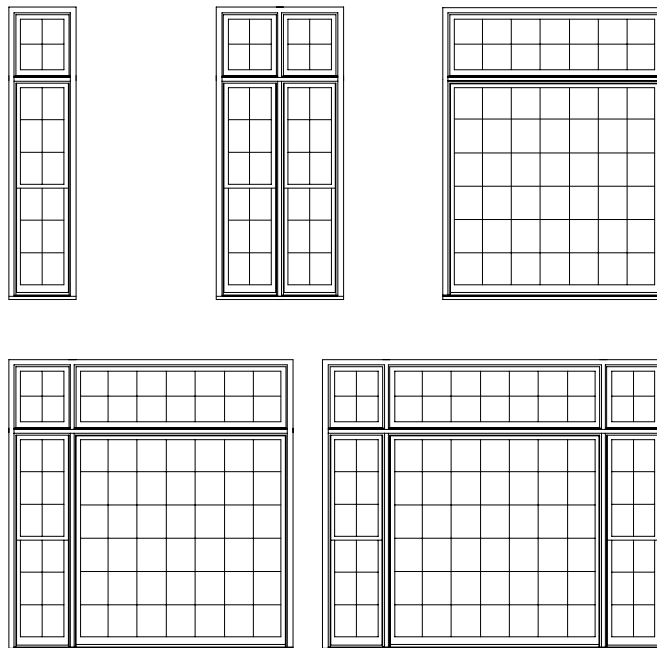
DIMENSIONAL WINDOWS

Wood double-hung windows may be specified as "dimensional " by adjusting the desired rough opening width or height in 1/4" increments from standard.

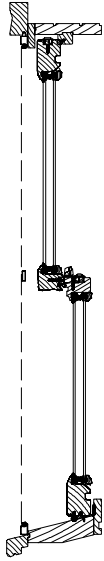
Wood double-hung windows feature fully operating upper and lower sash. Counterbalancing is achieved with block and tackle spring extension systems hidden in weatherable PVC jamb liners. Operating units are supplied with cam-type sash locks installed. Die-cast lower sash lifts supplied for field installation are an option. Recessed sash retainers provide simple sash installation and removal. There are several hardware finish options. Refer to the Specifications for available finish options.

MULTIPLE ASSEMBLIES

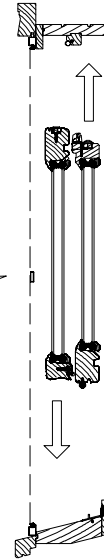
Wood double-hung windows may be mullied beside other wood double-hungs or wood picture windows, or below wood transom windows, to fulfill a wide variety of needs. Factory assembled mulls are limited in height (100"), width (114"), and a total area (75 square feet).



HANDING & OPERATION
DOUBLE-HUNG



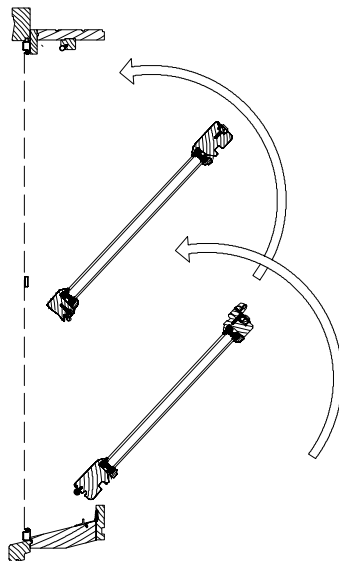
DOUBLE-HUNG OPERATION:
When the sash are locked at the check rails the sash are closed and sealed in the sash opening of the frame.



When the sash are unlocked the lower sash travels vertically to any position desired. The upper sash can also be positioned as desired.

SASH TILTING FOR WASHING

The Custom Double-Hung window will allow the sash to be tilted or removed for easy cleaning.



ELEVATION NOTES
DOUBLE-HUNG

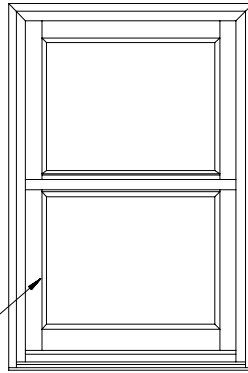
ELEVATION DRAWINGS UTILIZE A LIMITED NUMBER OF PROJECTED LINES TO PRODUCE A RUDIMENTARY DRAWING INTENDED TO BE USED IN A SMALL GRAPHICAL SCALE. ELEVATIONS ARE VIEWED PERPENDICULAR FROM THE EXTERIOR OF THE STRUCTURE. IF MORE DIMENSIONS ARE NEEDED, USE THE SECTION DRAWINGS FOR MORE COMPLETE DEPICTIONS.

M.O. Brickmould
M.O. Adams/Flat Casing
Rough Opening
Frame Size
Daylight Opening

24 1/2" (622)
27 1/2" (699)
22 1/8" (562)
21 3/8" (543)
14 13/16" (376)

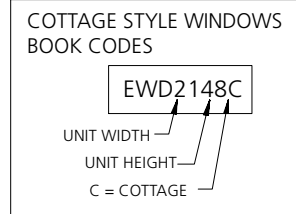
Masonry Openings for Brickmould, Flat & Adams Casing.
Vertical measurements include sillnose.
(Subtract 1/2" from Masonry Opening for Unit Size)

34 11/16" (881)
36 3/16" (919)
32 3/4" (832)
32" (813)
11 1/16" (281)[2]



OUTSIDE OF EXTERIOR TRIM

DAYLIGHT OPENING



EWD2132

'EWD' INDICATES
SITELINE EX WOOD DOUBLE-HUNG

BOOK CODE

THE FIRST TWO NUMBERS
INDICATE THE UNIT WIDTH

THE LAST TWO NUMBERS INDICATE
THE UNIT HEIGHT

GENERAL WOOD DOUBLE-HUNG NOTES

1. ALL UNITS SHOWN ARE AVAILABLE AS OPERATORS ONLY.
2. UNIT ELEVATIONS ARE SHOWN WITH BRICKMOULD & SILL NOSE.
3. ALL OPERATING SASH ARE INSTALLED WITH VINYL JAMB LINERS AND OPERATED WITH AN INTERNAL BLOCK AND TACKLE SPRING SYSTEM.
4. DIMENSIONAL VALUES IN PARENTHESES ARE MILLIMETER CONVERSIONS.
5. VALUES IN BRACKETS ARE NUMBER OF DAYLIGHT OPENINGS.

ELEVATION SYMBOL LEGEND:

MO MASONRY OPENING

1-WIDE UNITS

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

24 1/2" (645) 27 1/2" (699) 22 1/8" (562) 21 3/8" (543) 14 13/16" (376)	28 1/2" (724) 31 1/2" (800) 26 1/8" (664) 25 3/8" (645) 18 13/16" (478)	32 1/2" (826) 35 1/2" (902) 30 1/8" (765) 29 3/8" (670) 22 13/16" (579)	34 1/2" (876) 37 1/2" (953) 32 1/8" (816) 31 3/8" (797) 24 13/16" (630)	36 1/2" (927) 39 1/2" (1003) 34 1/8" (867) 33 3/8" (848) 26 13/16" (681)	40 1/2" (1029) 43 1/2" (1105) 38 1/8" (968) 37 3/8" (949) 30 13/16" (783)	44 1/2" (1130) 47 1/2" (1207) 42 1/8" (1070) 41 3/8" (1051) 34 13/16" (884)
34 11/16" (881) 36 3/16" (919) 32 3/4" (832) 32" (813) 11 1/16" (281 2)	35* 50**	35* 50**	35* 50**	35* 50**	35* 50**	35* 50**
EWD2132	EWD2532	EWD2932	EWD3132	EWD3332	EWD3732	EWD4132
38 11/16" (983) 40 3/16" (1021) 36 3/4" (933) 36" (914) 13 1/16" (332 2)	35* 50**	35* 50**	35* 50**	35* 50**	35* 50**	35* 50**
EWD2136	EWD2536	EWD2936	EWD3136	EWD3336	EWD3736	EWD4136
42 11/16" (1084) 44 3/16" (1122) 40 3/4" (1035) 40" (1016) 15 1/16" (383 2)	35* 50**	35* 50**	35* 50**	35* 50**	35* 50**	35* 50**
EWD2140	EWD2540	EWD2940	EWD3140	EWD3340	EWD3740	EWD4140
46 11/16" (1186) 48 3/16" (1224) 44 3/4" (1137) 44" (1118) 17 1/16" (433 2)	35* 50**	35* 50**	35* 50**	35* 50**	35* 50**	35* 50**
EWD2144	EWD2544	EWD2944	EWD3144	EWD3344	EWD3744	EWD4144
50 11/16" (1287) 52 3/16" (1326) 48 3/4" (1238) 48" (1219) 19 1/16" (484 2)	35* 50**	35* 50**	35* 50**	35* 50**	35* 50**	35* 50**
EWD2148	EWD2548	EWD2948	EWD3148	EWD3348	EWD3748	EWD4148
54 11/16" (1389) 56 3/16" (1427) 52 3/4" (1340) 52" (1321) 21 1/16" (535 2)	35* 50**	35* 50**	35* 50**	35* 50**	35* 50**	35* 50**
EWD2152	EWD2552	EWD2952	EWD3152	EWD3352	EWD3752	EWD4152
58 11/16" (1491) 60 3/16" (1529) 56 3/4" (1441) 56" (1422) 23 1/16" (586 2)	35* 50**	35* 50**	35* 50**	35* 50**	35* 50**	35* 50**
EWD2156	EWD2556	EWD2956	EWD3156	EWD3356	EWD3756	EWD4156

ELEVATION SYMBOL LEGEND:
M.O. = MASONRY OPENING
VALUES IN () ARE IN MILLIMETER CONVERSIONS
VALUES IN [] ARE NUMBER OF DAYLIGHT OPENINGS PER UNIT
E BASIC UNIT CLEAR OPENING EXCEEDS 20" IN WIDTH, 24" IN HEIGHT & A MINIMUM OF 5.7 SQ. FT.
##* NUMBER INDICATES STANDARD DESIGN PRESSURE (DP) RATING.
###* NUMBER INDICATES OPTIONAL DESIGN PRESSURE (DP) RATING.

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'

1-WIDE UNITS

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

24 1/2" (645)
27 1/2" (699)
22 1/8" (562)
21 3/8" (543)
14 13/16" (376)

28 1/2" (724)
31 1/2" (800)
26 1/8" (664)
25 3/8" (645)
18 13/16" (478)

32 1/2" (826)
35 1/2" (902)
30 1/8" (765)
29 3/8" (670)
22 13/16" (579)

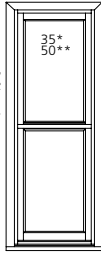
34 1/2" (876)
37 1/2" (953)
32 1/8" (816)
31 3/8" (797)
24 13/16" (630)

36 1/2" (927)
39 1/2" (1003)
34 1/8" (867)
33 3/8" (848)
26 13/16" (681)

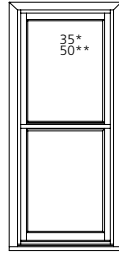
40 1/2" (1029)
43 1/2" (1105)
38 1/8" (968)
37 3/8" (949)
30 13/16" (783)

44 1/2" (1130)
47 1/2" (1207)
42 1/8" (1070)
41 3/8" (1051)
34 13/16" (884)

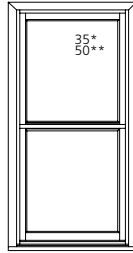
62 11/16" (1592)
64 3/16" (1630)
60 3/4" (1543)
60" (1524)
25 1/16" (637|2)



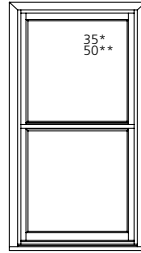
EWD2160



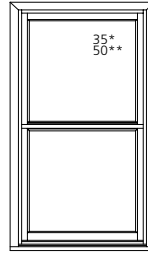
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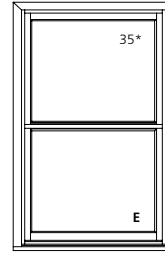
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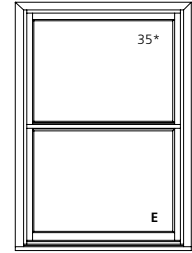
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EWD3360

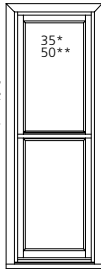


EWD3760

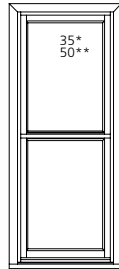


EWD4160

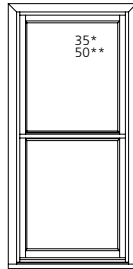
66 11/16" (1694)
68 3/16" (1732)
64 3/4" (1645)
64" (1626)
27 1/16" (687|2)



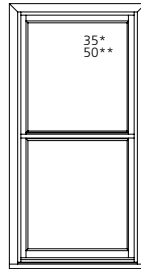
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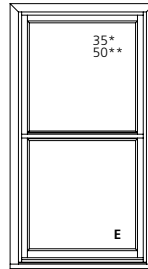
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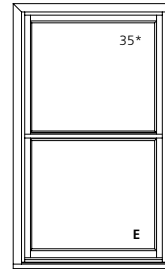
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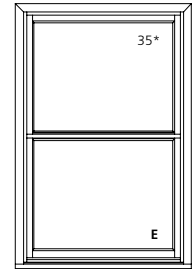
EWD3164



EWD3364

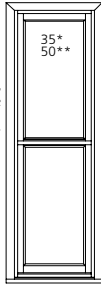


EWD3764

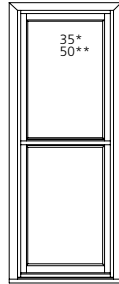


EWD4164

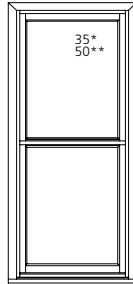
70 11/16" (1795)
72 3/16" (1834)
68 3/4" (1746)
68" (1727)
29 1/16" (738|2)



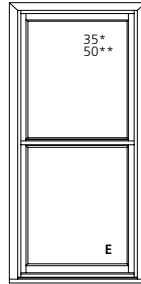
EWD2168



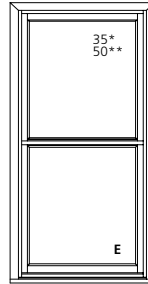
EWD2568



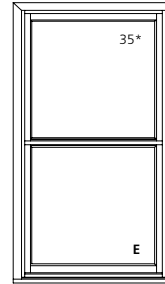
EWD2968



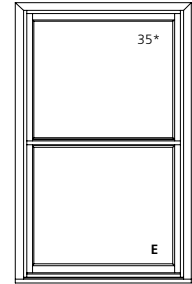
EWD3168



EWD3368

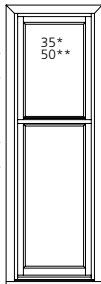


EWD3768

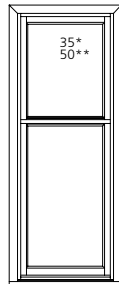


EWD4168

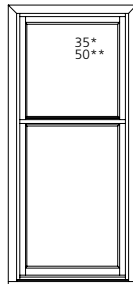
70 11/16" (1795)
72 3/16" (1834)
68 3/4" (1746)
68" (1727)
35 1/16" (891) 23 1/16" (586)



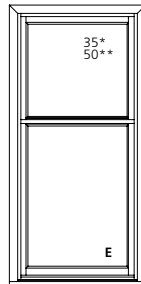
EWD2168C



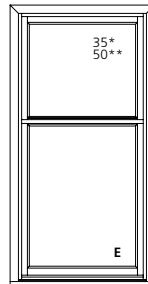
EWD2568C



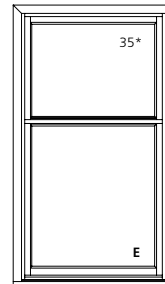
EWD2968C



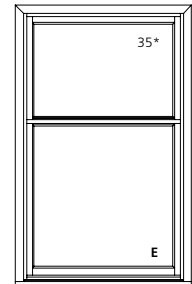
EWD3168C



EWD3368C

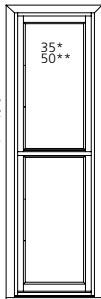


EWD3768C

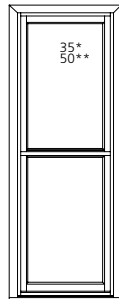


EWD4168C

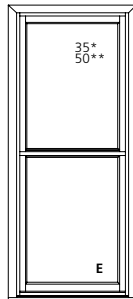
74 11/16" (1897)
76 3/16" (1935)
72 3/4" (1848)
72" (1829)
31 1/16" (789|2)



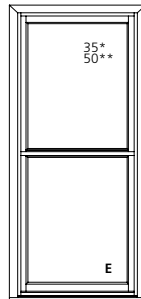
EWD2172



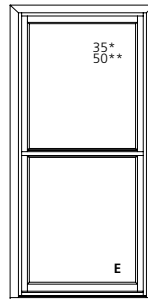
EWD2572



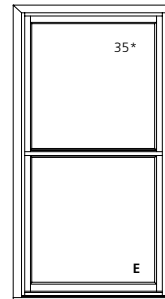
EWD2972



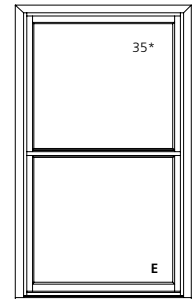
EWD3172



EWD3372



EWD3772



EWD4172

ELEVATION SYMBOL LEGEND:

M.O. = MASONRY OPENING
VALUES IN () ARE IN MILLIMETER CONVERSIONS
VALUES IN [] ARE NUMBER OF DAYLIGHT OPENINGS PER UNIT
E BASIC UNIT CLEAR OPENING EXCEEDS 20" IN WIDTH, 24" IN HEIGHT & A MINIMUM OF 5.7 SQ. FT.
*** NUMBER INDICATES STANDARD DESIGN PRESSURE (DP) RATING.
**** NUMBER INDICATES OPTIONAL DESIGN PRESSURE (DP) RATING.

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'

1-WIDE UNITS

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

24 1/2"(645)
27 1/2"(699)
22 1/8"(562)
21 3/8"(543)
14 13/16"(376)

28 1/2"(724)
31 1/2"(800)
26 1/8"(664)
25 3/8"(645)
18 13/16"(478)

32 1/2"(826)
35 1/2"(902)
30 1/8"(765)
29 3/8"(670)
22 13/16"(579)

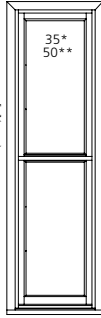
34 1/2"(876)
37 1/2"(953)
32 1/8"(816)
31 3/8"(797)
24 13/16"(630)

36 1/2"(927)
39 1/2"(1003)
34 1/8"(867)
33 3/8"(848)
26 13/16"(681)

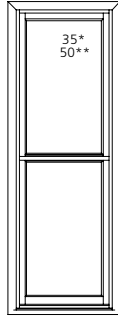
40 1/2"(1029)
43 1/2"(1105)
38 1/8"(968)
37 3/8"(949)
30 13/16"(783)

44 1/2"(1130)
47 1/2"(1207)
42 1/8"(1070)
41 3/8"(1051)
34 13/16"(884)

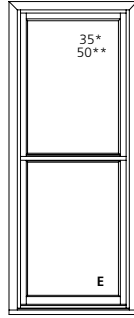
78 11/16"(1999)
80 3/16"(2037)
76 3/4"(1949)
76"(1930)
33 1/16"(840)[2]



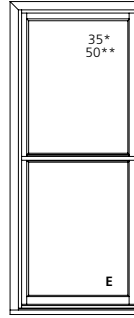
EWD2176



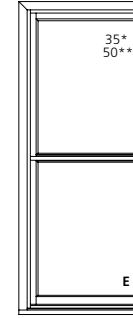
EWD2576



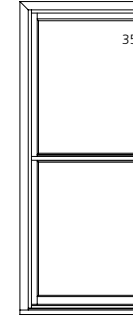
EWD2976



EWD3176



EWD3376

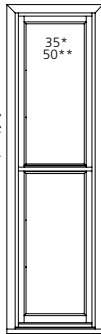


EWD3776

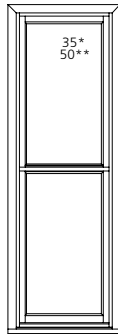


EWD4176

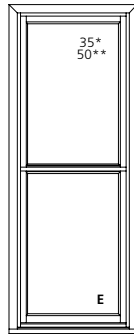
82 11/16"(2100)
84 3/16"(2138)
80 3/4"(2051)
80"(2032)
35 1/16"(891)[2]



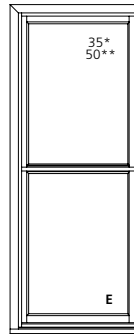
EWD2180



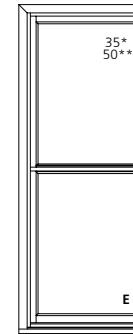
EWD2580



EWD2980



EWD3180



EWD3380

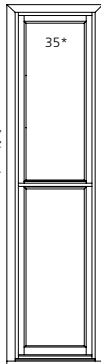


EWD3780

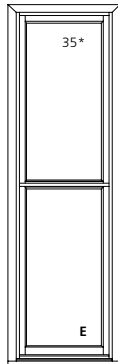


EWD4180

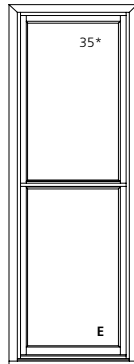
90 11/16"(2303)
92 3/16"(2342)
88 3/4"(2254)
88"(2235)
39 1/16"(992)[2]



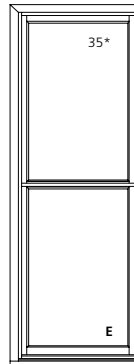
EWD2188



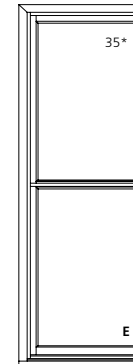
EWD2588



EWD2988



EWD3188



EWD3388

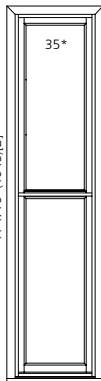


EWD3788

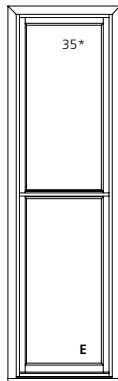


EWD4188

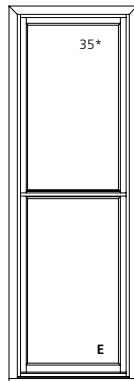
94 11/16"(2405)
96 3/16"(2443)
92 3/4"(2356)
92"(2337)
41 1/16"(1043)[2]



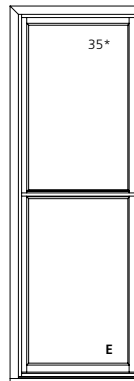
EWD2192



EWD2592



EWD2992



EWD3192



EWD3392



EWD3792



EWD4192

ELEVATION SYMBOL LEGEND:
M.O. = MASONRY OPENING
VALUES IN () ARE IN MILLIMETER CONVERSIONS
VALUES IN [] ARE NUMBER OF DAYLIGHT OPENINGS PER UNIT
E BASIC UNIT CLEAR OPENING EXCEEDS 20" IN WIDTH, 24" IN HEIGHT & A MINIMUM OF 5.7 SQ. FT.
##* NUMBER INDICATES STANDARD DESIGN PRESSURE (DP) RATING.
###* NUMBER INDICATES OPTIONAL DESIGN PRESSURE (DP) RATING.

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.

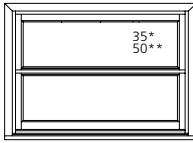
SCALE 1/4" = 1'

1-WIDE UNITS

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

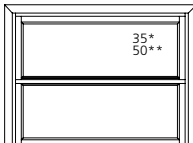
48 1/2" (1232)
51 1/2" (1308)
46 1/8" (1172)
45 3/8" (1153)
38 13/16" (986)

34 11/16" (881)
36 3/16" (919)
32 3/4" (832)
32" (813)
11 1/16" (281|2)



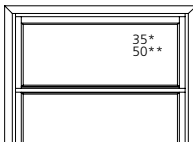
EWD4532

38 11/16" (983)
40 3/16" (1021)
36 3/4" (933)
36" (914)
13 1/16" (332|2)



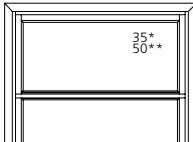
EWD4536

42 11/16" (1084)
44 3/16" (1122)
40 3/4" (1035)
40" (1016)
15 1/16" (383|2)



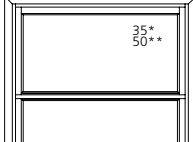
EWD4540

46 11/16" (1186)
48 3/16" (1224)
44 3/4" (1137)
44" (1118)
17 1/16" (433|2)



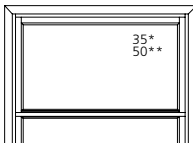
EWD4544

50 11/16" (1287)
52 3/16" (1326)
48 3/4" (1238)
48" (1219)
19 1/16" (484|2)



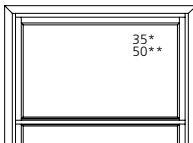
EWD4548

54 11/16" (1389)
56 3/16" (1427)
52 3/4" (1340)
52" (1321)
21 1/16" (535|2)



EWD4552

58 11/16" (1491)
60 3/16" (1529)
56 3/4" (1441)
56" (1422)
23 1/16" (586|2)

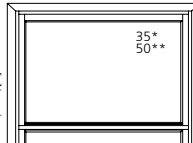


EWD4556

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

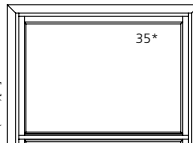
48 1/2" (1232)
51 1/2" (1308)
46 1/8" (1172)
45 3/8" (1153)
38 13/16" (986)

62 11/16" (1592)
64 3/16" (1630)
60 3/4" (1543)
60" (1524)
25 1/16" (637|2)



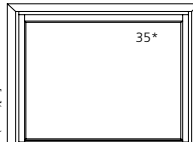
EWD4560

66 11/16" (1694)
68 3/16" (1732)
64 3/4" (1645)
64" (1626)
27 1/16" (687|2)



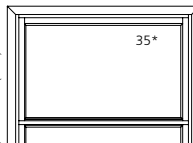
EWD4564

70 11/16" (1795)
72 3/16" (1834)
68 3/4" (1746)
68" (1727)
29 1/16" (738|2)



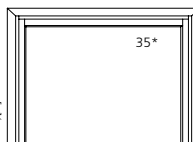
EWD4568

70 11/16" (1795)
72 3/16" (1834)
68 3/4" (1746)
68" (1727)
35 1/16" (891) 23 1/16" (586)



EWD4568C

74 11/16" (1897)
76 3/16" (1935)
72 3/4" (1848)
72" (1829)
31 1/16" (789|2)

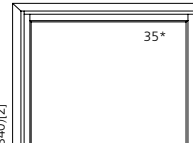


EWD4572

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

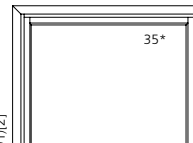
48 1/2" (1232)
51 1/2" (1308)
46 1/8" (1172)
45 3/8" (1153)
38 13/16" (986)

78 11/16" (1998)
80 3/16" (2037)
76 3/4" (1949)
76" (1930)
33 1/16" (840|2)



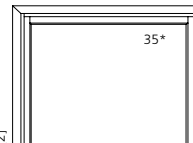
EWD4576

82 11/16" (2100)
84 3/16" (2138)
80 3/4" (2051)
80" (2032)
35 1/16" (891|2)



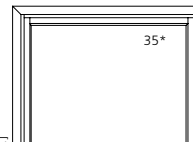
EWD4580

90 11/16" (2303)
92 3/16" (2342)
88 3/4" (2254)
88" (2235)
39 1/16" (992|2)



EWD4588

94 11/16" (2405)
96 3/16" (2443)
92 3/4" (2356)
92" (2337)
41 1/16" (1043|2)



EWD4592

ELEVATION SYMBOL LEGEND:

M.O. = MASONRY OPENING

VALUES IN () ARE IN MILLIMETER CONVERSIONS

VALUES IN | | ARE NUMBER OF DAYLIGHT OPENINGS PER UNIT

E BASIC UNIT CLEAR OPENING EXCEEDS 20" IN WIDTH, 24" IN HEIGHT & A MINIMUM OF 5.7 SQ. FT.

##* NUMBER INDICATES STANDARD DESIGN PRESSURE (DP) RATING.

###* NUMBER INDICATES OPTIONAL DESIGN PRESSURE (DP) RATING.

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'

2-WIDE UNITS

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

46 1/4" (1175)	54 1/4" (1378)	62 1/4" (1581)	66 1/4" (1683)	70 1/4" (1784)	78 1/4" (1988)	86 1/4" (2191)
49 1/4" (1251)	57 1/4" (1454)	65 1/4" (1657)	69 1/4" (1759)	73 1/4" (1861)	81 1/4" (2064)	89 1/4" (2267)
43 1/2" (1105)	51 1/2" (1308)	59 1/2" (1511)	63 1/2" (1613)	67 1/2" (1715)	75 1/2" (1918)	83 1/2" (2121)
42 3/4" (1086)	50 3/4" (1289)	58 3/4" (1492)	62 3/4" (1594)	66 3/4" (1695)	74 3/4" (1899)	82 3/4" (2102)
14 13/16" (376)[2]	18 13/16" (478)[2]	22 13/16" (579)[2]	24 13/16" (630)[2]	26 13/16" (681)[2]	30 13/16" (782)[2]	34 13/16" (884)[2]
34 11/16" (881)						
36 3/16" (919)						
32 3/4" (832)						
32" (813)						
36" (914)						
13 1/16" (332)[2]	11 1/16" (281)[2]					
38 11/16" (983)						
40 3/16" (1021)						
36 3/4" (933)						
40" (1016)						
15 1/16" (383)[2]						
42 11/16" (1084)						
44 3/16" (1122)						
40 3/4" (1035)						
40" (1016)						
17 1/16" (433)[2]						
46 11/16" (1186)						
48 3/16" (1224)						
44 3/4" (1137)						
44" (1118)						
19 1/16" (484)[2]						
50 11/16" (1287)						
52 3/16" (1326)						
48 3/4" (1238)						
48" (1219)						
21 1/16" (535)[2]						
54 11/16" (1389)						
56 3/16" (1427)						
52 3/4" (1340)						
52" (1321)						
23 1/16" (586)[2]						
58 11/16" (1491)						
60 3/16" (1529)						
56 3/4" (1441)						
56" (1422)						
25 1/16" (637)[2]						
62 11/16" (1592)						
64 3/16" (1630)						
60 3/4" (1543)						
60" (1524)						
27 1/16" (687)[2]						
66 11/16" (1694)						
68 3/16" (1732)						
64 3/4" (1645)						
64" (1626)						
29 1/16" (738)[2]						
70 11/16" (1795)						
72 3/16" (1834)						
68 3/4" (1746)						
68" (1727)						

ELEVATION SYMBOL LEGEND:
M.O. = MASONRY OPENING
 VALUES IN () ARE IN MILLIMETER CONVERSIONS
 VALUES IN [] ARE NUMBER OF DAYLIGHT OPENINGS PER UNIT

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: 1/8" = 1'

2-WIDE UNITS

	46 1/4"(1175)	54 1/4"(1378)	62 1/4"(1581)	66 1/4"(1683)	70 1/4"(1784)	78 1/4"(1988)	86 1/4"(2191)
M.O. BRICKMOULD	46 1/4"(1175)	54 1/4"(1378)	62 1/4"(1581)	66 1/4"(1683)	70 1/4"(1784)	78 1/4"(1988)	86 1/4"(2191)
M.O. ADAMS/FLAT CASING	49 1/4"(1251)	57 1/4"(1454)	65 1/4"(1657)	69 1/4"(1759)	73 1/4"(1861)	81 1/4"(2064)	89 1/4"(2267)
ROUGH OPENING	43 1/2"(1105)	51 1/2"(1308)	59 1/2"(1511)	63 1/2"(1613)	67 1/2"(1715)	75 1/2"(1918)	83 1/2"(2121)
FRAME SIZE	42 3/4"(1086)	50 3/4"(1289)	58 3/4"(1492)	62 3/4"(1594)	66 3/4"(1695)	74 3/4"(1899)	82 3/4"(2102)
DAYLIGHT OPENING	14 13/16"(376)[2]	18 13/16"(478)[2]	22 13/16"(579)[2]	24 13/16"(630)[2]	26 13/16"(681)[2]	30 13/16"(782)[2]	34 13/16"(884)[2]
74 11/16"(1897) 76 3/16"(1935) 72 3/4"(1848) 72"(1829) 31 1/16"(789)[2]							
78 11/16"(1989) 80 3/16"(2037) 76 3/4"(1948) 76"(1930) 33 1/16"(840)[2]							
82 11/16"(2100) 84 3/16"(2138) 80 3/4"(2051) 80"(2032) 35 1/16"(891)[2]							

ELEVATION SYMBOL LEGEND:
M.O. = MASONRY OPENING
 VALUES IN () ARE IN MILLIMETER CONVERSIONS
 VALUES IN [] ARE NUMBER OF DAYLIGHT OPENINGS PER UNIT

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.

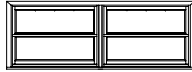
SCALE: 1/8" = 1'

2-WIDE UNITS

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

94 1/4" (2394)
97 1/4" (2470)
91 1/2" (2324)
90 3/4" (2305)
38 13/16" (986) [2]

34 11/16" (881)
36 3/16" (919)
32 3/4" (832)
32" (813)
32" (813)



EWD4532-2

38 11/16" (983)
40 3/16" (1021)
36 3/4" (933)
36" (914)
36" (914)



EWD4536-2

42 11/16" (1084)
44 3/16" (1122)
40 3/4" (1035)
40" (1016)
40" (1016)



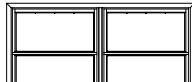
EWD4540-2

46 11/16" (1186)
48 3/16" (1224)
44 3/4" (1137)
44" (1118)
44" (1118)



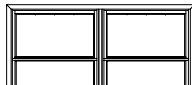
EWD4544-2

50 11/16" (1287)
52 3/16" (1326)
48 3/4" (1238)
48" (1219)
48" (1219)



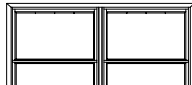
EWD4548-2

54 11/16" (1389)
56 3/16" (1427)
52 3/4" (1340)
52" (1321)
52" (1321)



EWD4552-2

58 11/16" (1491)
60 3/16" (1529)
56 3/4" (1441)
56" (1422)
56" (1422)



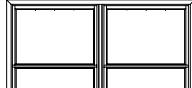
EWD4556-2

62 11/16" (1592)
64 3/16" (1630)
60 3/4" (1543)
60" (1524)
60" (1524)



EWD4560-2

66 11/16" (1694)
68 3/16" (1732)
64 3/4" (1645)
64" (1626)
64" (1626)



EWD4564-2

70 11/16" (1795)
72 3/16" (1834)
68 3/4" (1746)
68" (1727)
68" (1727)

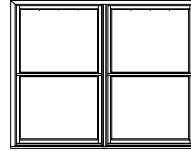


EWD4568-2

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

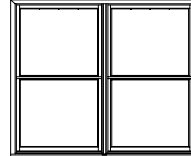
94 1/4" (2394)
97 1/4" (2470)
91 1/2" (2324)
90 3/4" (2305)
38 13/16" (986) [2]

74 11/16" (1897)
76 3/16" (1935)
72 3/4" (1848)
72" (1829)
72" (1829)



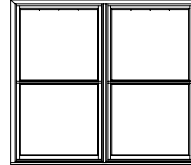
EWD4572-2

78 11/16" (1999)
80 3/16" (2037)
76 3/4" (1949)
76" (1930)
76" (1930)



EWD4576-2

82 11/16" (2100)
84 3/16" (2138)
80 3/4" (2051)
80" (2032)
80" (2032)



EWD4580-2

ELEVATION SYMBOL LEGEND:
M.O. = MASONRY OPENING
VALUES IN () ARE IN MILLIMETER CONVERSIONS
VALUES IN [] ARE NUMBER OF DAYLIGHT OPENINGS PER UNIT

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: 1/8" = 1'

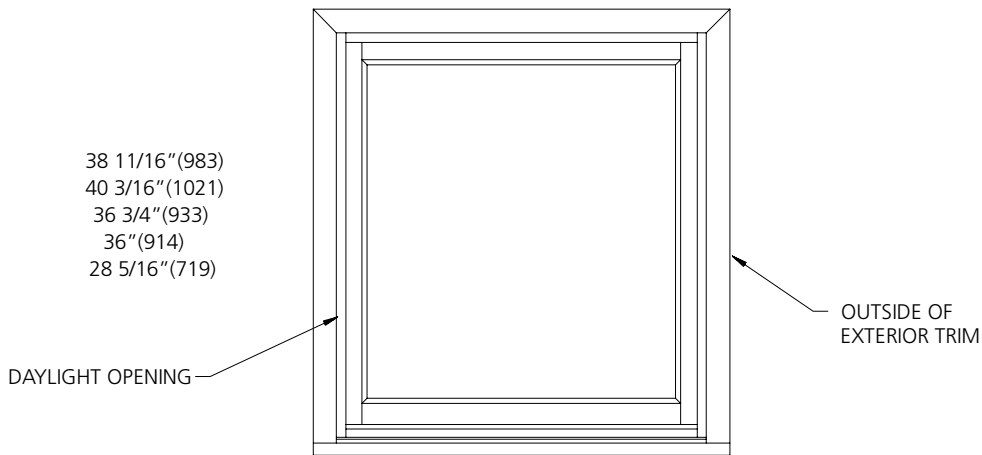
ELEVATION NOTES
DOUBLE-HUNG PICTURE

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 FOR MORE COMPLETE DEPICTIONS.

M.O. Brickmould
M.O. Adams/Flat Casing
Rough Opening
Frame Size
Daylight Opening

36 1/2" (927)
39 1/2" (1003)
34 1/8" (867)
33 3/8" (848)
26 13/16" (681)

Masonry Openings for Brickmould, Flat & Adams Casing.
Vertical measurements include sillnose.
(Subtract 1/2" from Masonry Opening for Unit Size)



EWDP3336

'EWDP' INDICATES
SITELINE EX WOOD DH PICTURE

BOOK CODE

THE FIRST TWO NUMBERS
INDICATE THE UNIT WIDTH

THE LAST TWO NUMBERS INDICATE
THE UNIT HEIGHT

GENERAL DOUBLE-HUNG PICTURE NOTES

1. ALL UNITS SHOWN ARE AVAILABLE AS OPERATORS ONLY.
2. UNIT ELEVATIONS ARE SHOWN WITH BRICKMOULD & SILL NOSE.
3. DIMENSIONAL VALUES IN PARENTHESES ARE MILLIMETER CONVERSIONS.

ELEVATION SYMBOL LEGEND:

MO MASONRY OPENING

PICTURE UNITS

M.O. BRICKMOULD	24 1/2" (645)	28 1/2" (724)	32 1/2" (826)	34 1/2" (876)	36 1/2" (927)	40 1/2" (1029)	44 1/2" (1130)
M.O. ADAMS/FLAT CASING	27 1/2" (699)	31 1/2" (800)	35 1/2" (902)	37 1/2" (953)	39 1/2" (1003)	43 1/2" (1105)	47 1/2" (1207)
ROUGH OPENING	22 1/8" (562)	26 1/8" (664)	30 1/8" (765)	32 1/8" (816)	34 1/8" (867)	38 1/8" (968)	42 1/8" (1070)
FRAME SIZE	21 3/8" (543)	25 3/8" (645)	29 3/8" (747)	31 3/8" (797)	33 3/8" (848)	37 3/8" (949)	41 3/8" (1051)
DAYLIGHT OPENING	14 13/16" (376)	18 13/16" (478)	22 13/16" (579)	24 13/16" (630)	26 13/16" (681)	30 13/16" (783)	34 13/16" (884)

34 11/16" (881) 36 3/16" (919) 32 3/4" (832) 32" (813) 24 5/16" (618)							
EWDP2132	EWDP2532	EWDP2932	EWDP3132	EWDP3332	EWDP3732	EWDP4132	
38 11/16" (983) 40 3/16" (1021) 36 3/4" (933) 36" (914) 28 5/16" (719)							
EWDP2136	EWDP2536	EWDP2936	EWDP3136	EWDP3336	EWDP3736	EWDP4136	
42 11/16" (1084) 44 3/16" (1122) 40 3/4" (1035) 40" (1016) 32 5/16" (821)							
EWDP2140	EWDP2540	EWDP2940	EWDP3140	EWDP3340	EWDP3740	EWDP4140	
46 11/16" (1186) 48 3/16" (1224) 44 3/4" (1137) 44" (1118) 36 5/16" (922)							
EWDP2144	EWDP2544	EWDP2944	EWDP3144	EWDP3344	EWDP3744	EWDP4144	
50 11/16" (1287) 52 3/16" (1326) 48 3/4" (1238) 48" (1219) 40 5/16" (1024)							
EWDP2148	EWDP2548	EWDP2948	EWDP3148	EWDP3348	EWDP3748	EWDP4148	
54 11/16" (1389) 56 3/16" (1427) 52 3/4" (1340) 52" (1321) 44 5/16" (1126)							
EWDP2152	EWDP2552	EWDP2952	EWDP3152	EWDP3352	EWDP3752	EWDP4152	
58 11/16" (1491) 60 3/16" (1529) 56 3/4" (1441) 56" (1422) 48 5/16" (1227)							
EWDP2156	EWDP2556	EWDP2956	EWDP3156	EWDP3356	EWDP3756	EWDP4156	

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'

PICTURE UNITS

M.O. BRICKMOUND 24 1/2"(645)
M.O. ADAMS/FLAT CASING 27 1/2"(699)
ROUGH OPENING 22 1/8"(562)
FRAME SIZE 21 3/8"(543)
DAYLIGHT OPENING 14 13/16"(376)

28 1/2"(724)
 31 1/2"(800)
 26 1/8"(664)
 25 3/8"(645)
 18 13/16"(478)

32 1/2"(826)
 35 1/2"(902)
 30 1/8"(765)
 29 3/8"(670)
 22 13/16"(579)

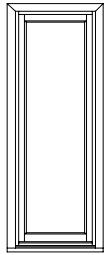
34 1/2"(876)
 37 1/2"(953)
 32 1/8"(816)
 31 3/8"(797)
 24 13/16"(630)

36 1/2"(927)
 39 1/2"(1003)
 34 1/8"(867)
 33 3/8"(848)
 26 13/16"(681)

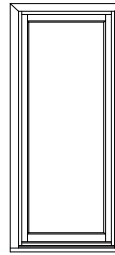
40 1/2"(1029)
 43 1/2"(1105)
 38 1/8"(968)
 37 3/8"(949)
 30 13/16"(783)

44 1/2"(1130)
 47 1/2"(1207)
 42 1/8"(1070)
 41 3/8"(1051)
 34 13/16"(884)

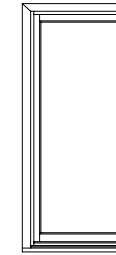
62 11/16"(1592)
 64 3/16"(1630)
 60 3/4"(1543)
 60"(1524)
 52 5/16"(1329)



EWDP2160



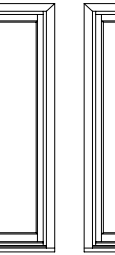
EWDP2560



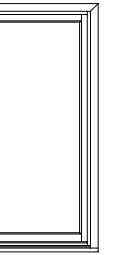
EWDP2960



EWDP3160



EWDP3360

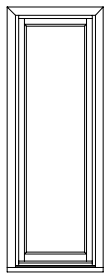


EWDP3760

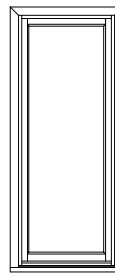


EWDP4160

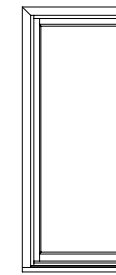
66 11/16"(1694)
 68 3/16"(1732)
 64 3/4"(1645)
 64"(1626)
 56 5/16"(1430)



EWDP2164



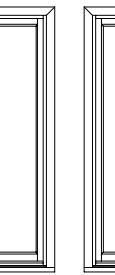
EWDP2564



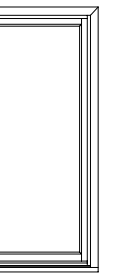
EWDP2964



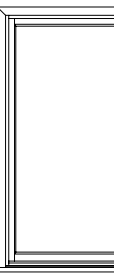
EWDP3164



EWDP3364

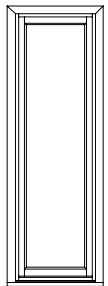


EWDP3764

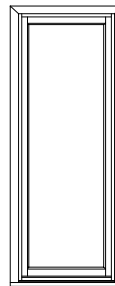


EWDP4164

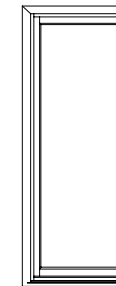
70 11/16"(1795)
 72 3/16"(1834)
 68 3/4"(1746)
 68"(1727)
 60 5/16"(1532)



EWDP2168



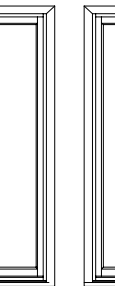
EWDP2568



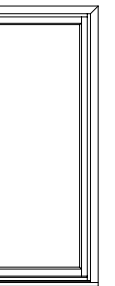
EWDP2968



EWDP3168



EWDP3368

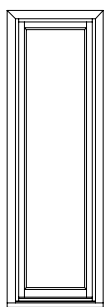


EWDP3768

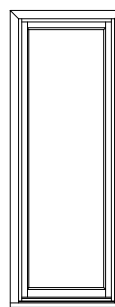


EWDP4168

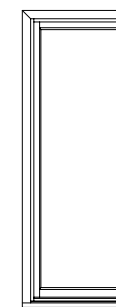
74 11/16"(1897)
 76 3/16"(1935)
 72 3/4"(1848)
 72"(1829)
 64 5/16"(1634)



EWDP2172



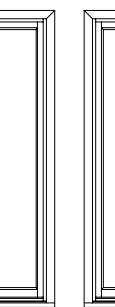
EWDP2572



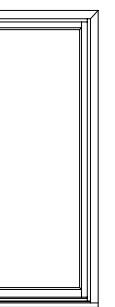
EWDP2972



EWDP3172



EWDP3372

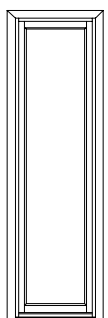


EWDP3772

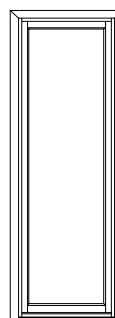


EWDP4172

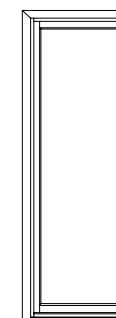
78 11/16"(1999)
 80 3/16"(2037)
 76 3/4"(1949)
 76"(1930)
 68 5/16"(1735)



EWDP2176



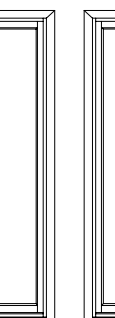
EWDP2576



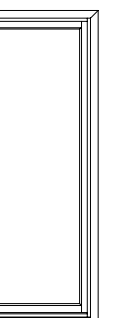
EWDP2976



EWDP3176



EWDP3376



EWDP3776



EWDP4176

ELEVATION SYMBOL LEGEND:
M.O. = MASONRY OPENING
 VALUES IN () ARE IN MILLIMETER CONVERSIONS

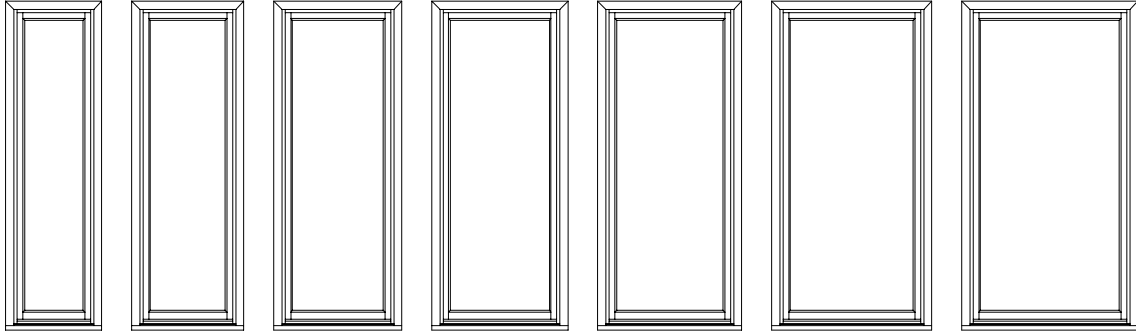
Note: Elevations shown DO NOT have exterior trim. Subtract 1/2" (12.7) from M.O. (Masonry Opening) for Unit Sizes. Masonry Openings above include Sill Nose, see Trim Options page for Sill Nose specifications. For other Trim Options refer to the Unit Sizing, Rough Opening & Masonry Openings page.

SCALE 1/4" = 1'

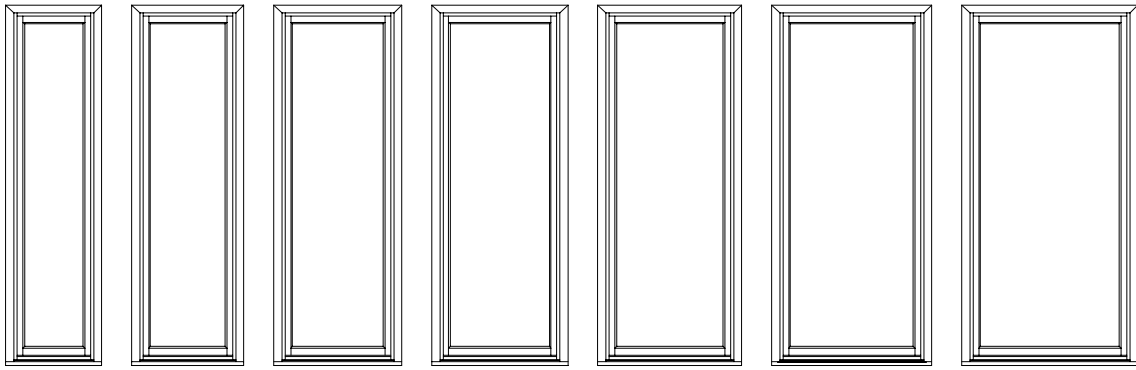
PICTURE UNITS

M.O. BRICKMOULD	24 1/2" (645)	28 1/2" (724)	32 1/2" (826)	34 1/2" (876)	36 1/2" (927)	40 1/2" (1029)	44 1/2" (1130)
M.O. ADAMS/FLAT CASING	27 1/2" (699)	31 1/2" (800)	35 1/2" (902)	37 1/2" (953)	39 1/2" (1003)	43 1/2" (1105)	47 1/2" (1207)
ROUGH OPENING	22 1/8" (562)	26 1/8" (664)	30 1/8" (765)	32 1/8" (816)	34 1/8" (867)	38 1/8" (968)	42 1/8" (1070)
FRAME SIZE	21 3/8" (543)	25 3/8" (645)	29 3/8" (747)	31 3/8" (797)	33 3/8" (848)	37 3/8" (949)	41 3/8" (1051)
DAYLIGHT OPENING	14 13/16" (376)	18 13/16" (478)	22 13/16" (579)	24 13/16" (630)	26 13/16" (681)	30 13/16" (783)	34 13/16" (884)

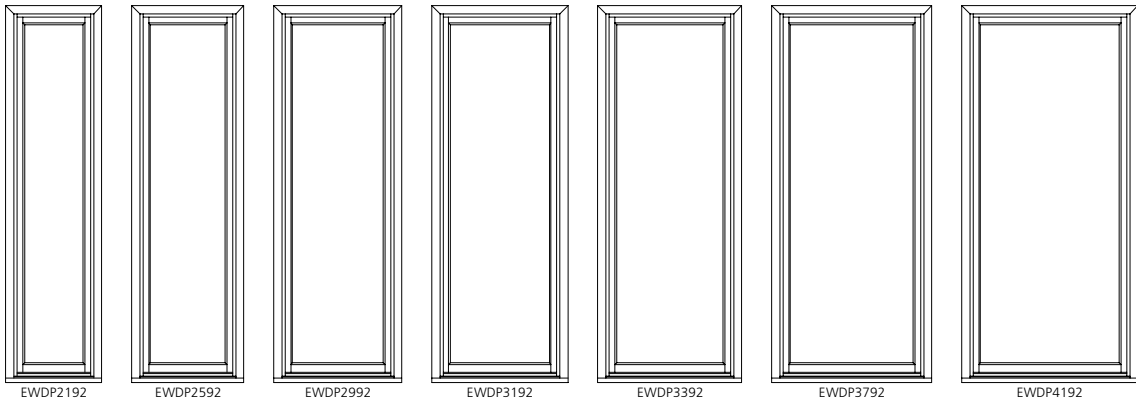
82 11/16" (2100)
84 3/16" (2138)
80 3/4" (2051)
80" (2032)
72 9/16" (1837)



90 11/16" (2303)
92 3/16" (2342)
88 3/4" (2254)
88" (2235)
80 5/16" (2040)



94 11/16" (2405)
96 3/16" (2443)
92 3/4" (2356)
92" (2337)
84 5/16" (2142)



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'

PICTURE UNITS

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

48 1/2" (1232)
51 1/2" (1308)
46 1/8" (1172)
45 3/8" (1153)
38 13/16" (986)

52 1/2" (1334)
55 1/2" (1410)
50 1/8" (1273)
49 3/8" (1254)
42 13/16" (1087)

56 1/2" (1435)
59 1/2" (1511)
54 1/8" (1375)
53 3/8" (1356)
46 13/16" (1189)

64 1/2" (1638)
67 1/2" (1715)
62 1/8" (1578)
61 3/8" (1559)
54 13/16" (1392)

34 11/16" (881)
36 3/16" (919)
32 3/4" (832)
32" (813)
24 5/16" (618)



EWDP4532



EWDP4932

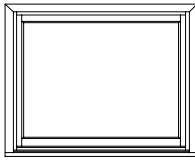


EWDP5332

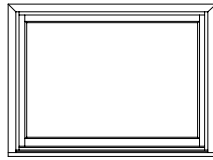


EWDP6132

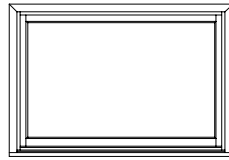
38 11/16" (983)
40 3/16" (1021)
36 3/4" (933)
36" (914)
28 5/16" (719)



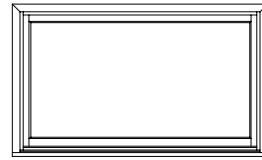
EWDP4536



EWDP4936

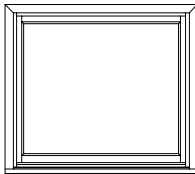


EWDP5336

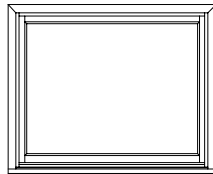


EWDP6136

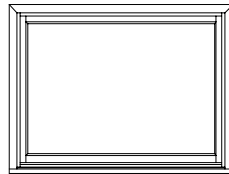
42 11/16" (1084)
44 3/16" (1122)
40 3/4" (1035)
40" (1016)
32 5/16" (821)



EWDP4540



EWDP4940

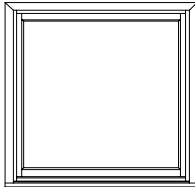


EWDP5340

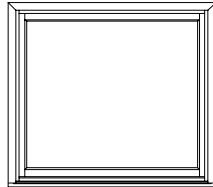


EWDP6140

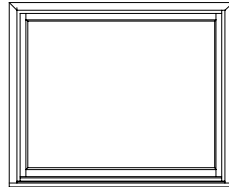
46 11/16" (1186)
48 3/16" (1224)
44 3/4" (1137)
44" (1118)
36 5/16" (922)



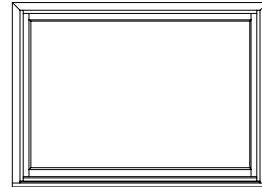
EWDP4544



EWDP4944

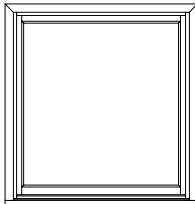


EWDP5344

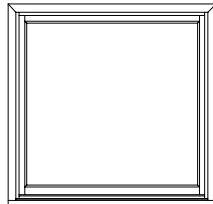


EWDP6144

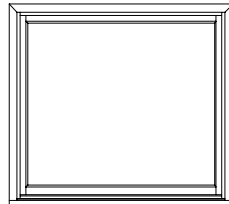
50 11/16" (1287)
52 3/16" (1326)
48 3/4" (1238)
48" (1219)
40 5/16" (1024)



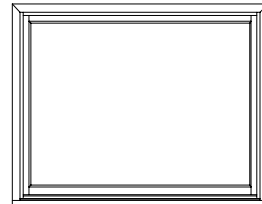
EWDP4548



EWDP4948

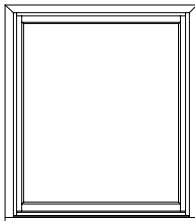


EWDP5348

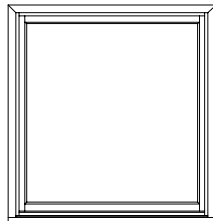


EWDP6148

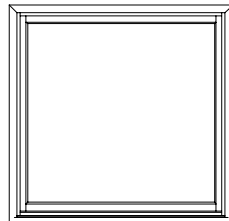
54 11/16" (1389)
56 3/16" (1427)
52 3/4" (1340)
52" (1321)
44 5/16" (1126)



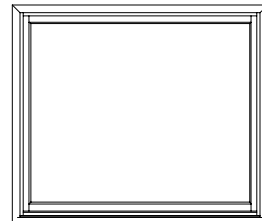
EWDP4532



EWDP4932

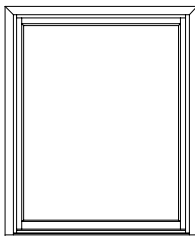


EWDP5332

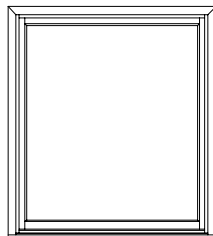


EWDP6132

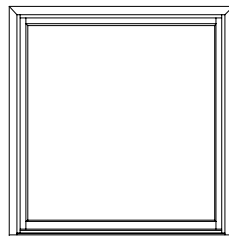
58 11/16" (1491)
60 3/16" (1529)
56 3/4" (1441)
56" (1422)
48 5/16" (1227)



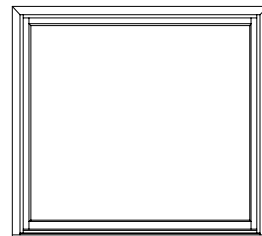
EWDP4556



EWDP4956



EWDP5356



EWDP6156

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'

PICTURE UNITS

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

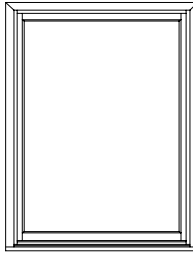
48 1/2" (1232)
51 1/2" (1308)
46 1/8" (1172)
45 3/8" (1153)
38 13/16" (986)

52 1/2" (1334)
55 1/2" (1410)
50 1/8" (1273)
49 3/8" (1254)
42 13/16" (1087)

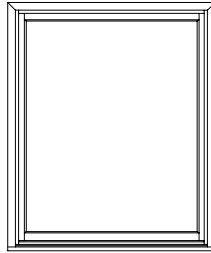
56 1/2" (1435)
59 1/2" (1511)
54 1/8" (1375)
53 3/8" (1356)
46 13/16" (1189)

64 1/2" (1638)
67 1/2" (1715)
62 1/8" (1578)
61 3/8" (1559)
54 13/16" (1392)

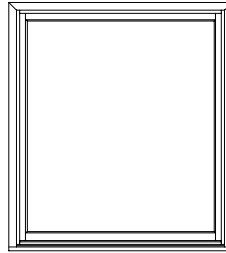
62 11/16" (1592)
64 3/16" (1630)
60 3/4" (1545)
60" (1524)
52 5/16" (1329)



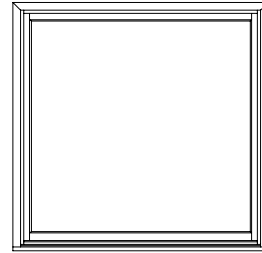
EWDP4560



EWDP4960

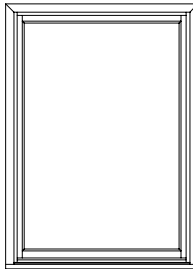


EWDP5360

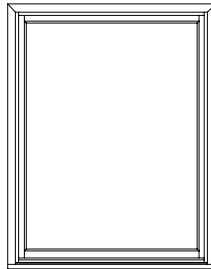


EWDP6160

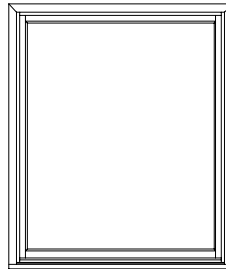
66 11/16" (1694)
68 3/16" (1732)
64 3/4" (1645)
64" (1626)
56 5/16" (1430)



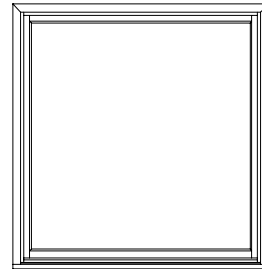
EWDP4564



EWDP4964

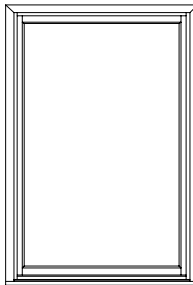


EWDP5364

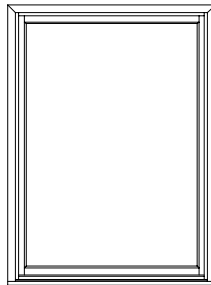


EWDP6164

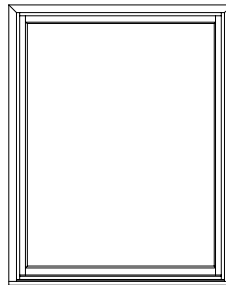
70 11/16" (1795)
72 3/16" (1833)
68 3/4" (1746)
68" (1727)
60 5/16" (1532)



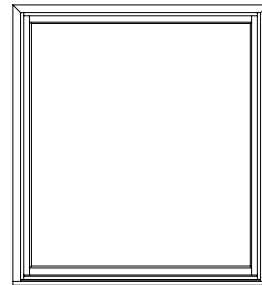
EWDP4568



EWDP4968

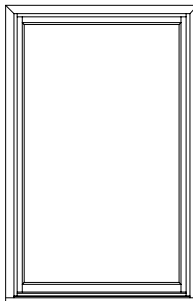


EWDP5368

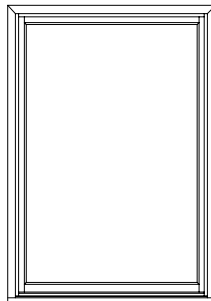


EWDP6168

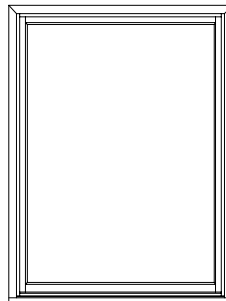
74 11/16" (1897)
76 3/16" (1935)
72 3/4" (1848)
72" (1829)
64 5/16" (1634)



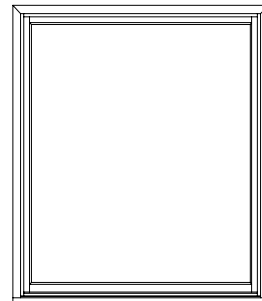
EWDP4572



EWDP4972

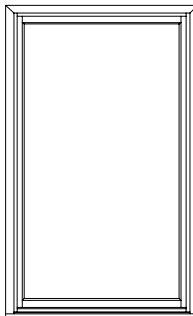


EWDP5372

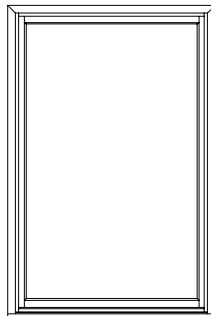


EWDP6172

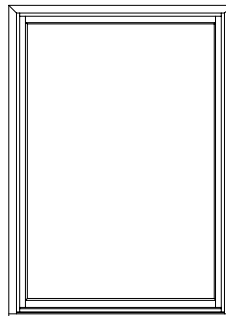
78 11/16" (1999)
80 3/16" (2037)
76 3/4" (1949)
76" (1930)
68 5/16" (1735)



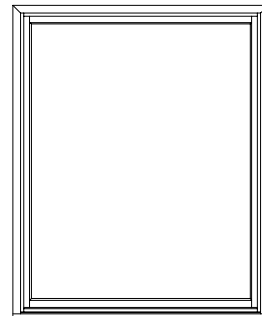
EWDP4576



EWDP4976



EWDP5376



EWDP6176

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'

PICTURE UNITS

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

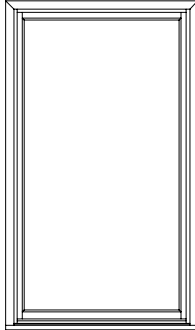
48 1/2"(1232)
51 1/2"(1308)
46 1/8"(1172)
45 3/8"(1153)
38 13/16"(986)

52 1/2"(1334)
55 1/2"(1410)
50 1/8"(1273)
49 3/8"(1254)
42 13/16"(1087)

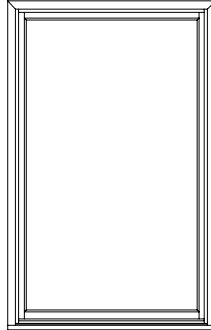
56 1/2"(1435)
59 1/2"(1511)
54 1/8"(1375)
53 3/8"(1356)
46 13/16"(1189)

64 1/2"(1638)
67 1/2"(1715)
62 1/8"(1578)
61 3/8"(1559)
54 13/16"(1392)

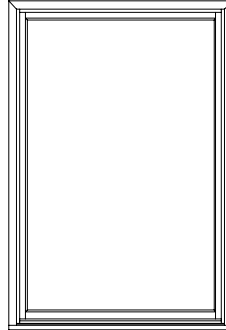
82 11/16"(2100)
84 3/16"(2138)
80 3/4"(2051)
80"(2032)
72 5/16"(1837)



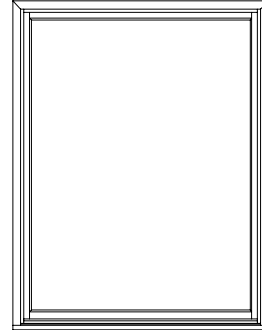
EWDP4580



EWDP4980

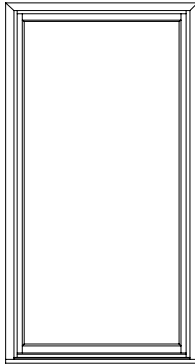


EWDP5380



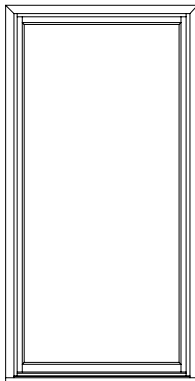
EWDP6180

90 11/16"(2303)
92 3/16"(2342)
88 3/4"(2254)
88"(2235)
80 5/16"(2040)



EWDP4588

94 11/16"(2405)
96 3/16"(2443)
92 3/4"(2356)
97"(2337)
84 5/16"(2142)



EWDP4592

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'

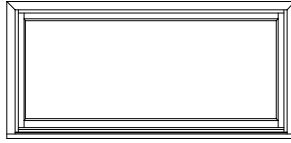
PICTURE UNITS

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

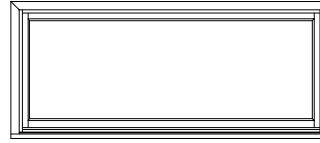
72 1/2" (1842)
75 1/2" (1918)
70 1/8" (1781)
69 3/8" (1762)
62 13/16" (1595)

80 1/2" (2045)
83 1/2" (2121)
78 1/8" (1984)
77 3/8" (1965)
70 13/16" (1799)

34 11/16" (881)
36 3/16" (919)
32 3/4" (832)
32" (813)
24 5/16" (618)

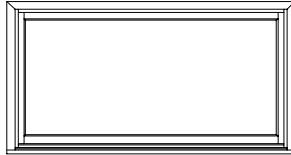


EWDP6932



EWDP7732

38 11/16" (983)
40 3/16" (1021)
36 3/4" (933)
36" (914)
28 5/16" (719)

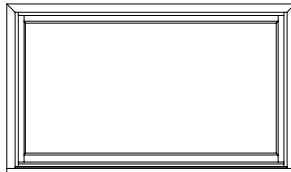


EWDP6936

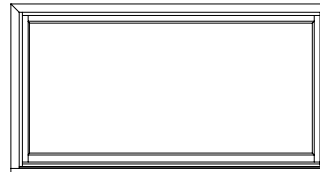


EWDP7736

42 11/16" (1084)
44 3/16" (1122)
40 3/4" (1035)
40" (1016)
32 5/16" (821)



EWDP6940



EWDP7740

46 11/16" (1186)
48 3/16" (1224)
44 3/4" (1137)
44" (1118)
36 5/16" (922)

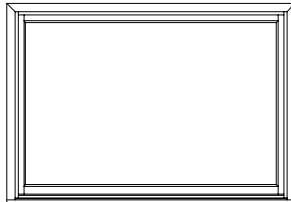


EWDP6944

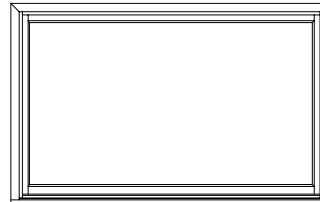


EWDP7744

50 11/16" (1287)
52 3/16" (1326)
48 3/4" (1238)
48" (1219)
40 5/16" (1024)

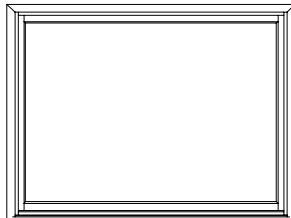


EWDP6948

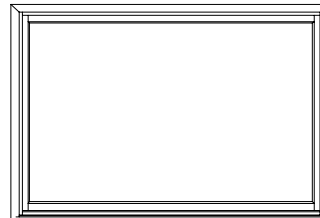


EWDP7748

54 11/16" (1389)
56 3/16" (1427)
52 3/4" (1340)
52" (1321)
44 5/16" (1126)

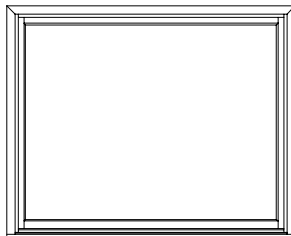


EWDP6952

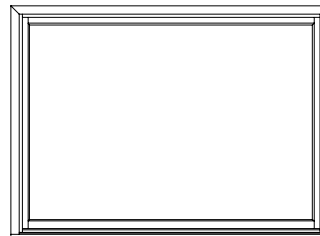


EWDP7752

58 11/16" (1491)
60 3/16" (1529)
56 3/4" (1441)
56" (1422)
48 5/16" (1227)



EWDP6956



EWDP7756

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'

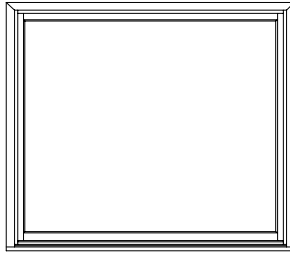
PICTURE UNITS

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

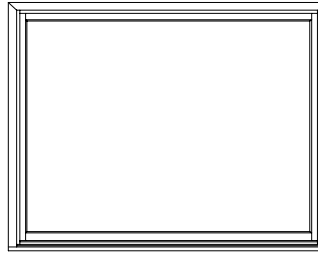
72 1/2" (1842)
75 1/2" (1918)
70 1/8" (1781)
69 3/8" (1762)
62 13/16" (1595)

80 1/2" (2045)
83 1/2" (2121)
78 1/8" (1984)
77 3/8" (1965)
70 13/16" (1799)

62 11/16" (1592)
64 3/16" (1630)
60 3/4" (1543)
60" (1524)
52 5/16" (1329)

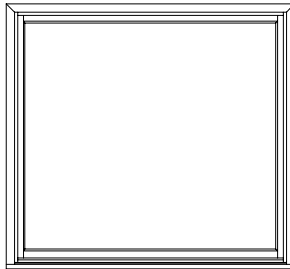


EWDP6960

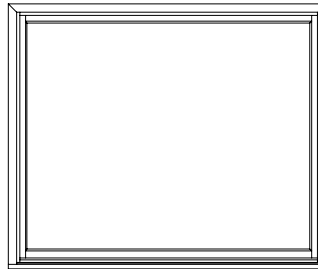


EWDP7760

66 11/16" (1694)
68 3/16" (1732)
64 3/4" (1645)
64" (1626)
56 5/16" (1430)

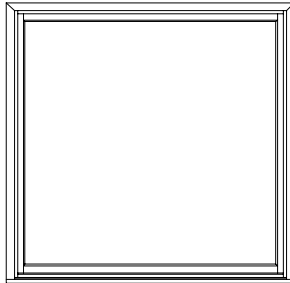


EWDP6964

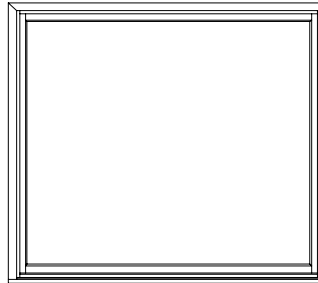


EWDP7764

70 11/16" (1795)
72 3/16" (1834)
68 3/4" (1746)
68" (1727)
60 5/16" (1532)

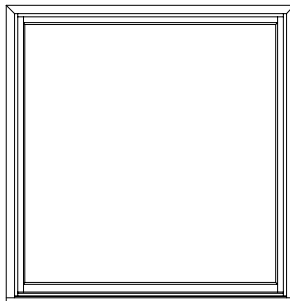


EWDP6968

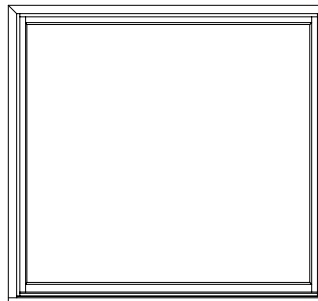


EWDP7768

74 11/16" (1897)
76 3/16" (1935)
72 3/4" (1848)
72" (1829)
64 5/16" (1634)

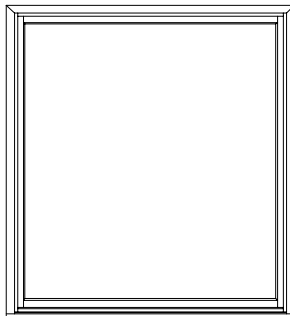


EWDP6972

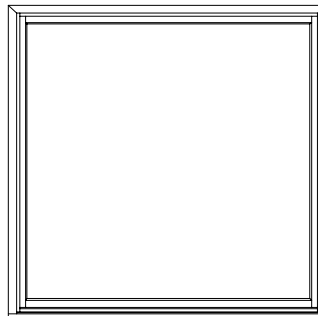


EWDP7772

78 11/16" (1999)
80 3/16" (2037)
76 3/4" (1949)
76" (1930)
68 5/16" (1735)



EWDP6976



EWDP7776

ELEVATION SYMBOL LEGEND:
M.O. = MASONRY OPENING
VALUES IN () ARE IN MILLIMETER CONVERSIONS

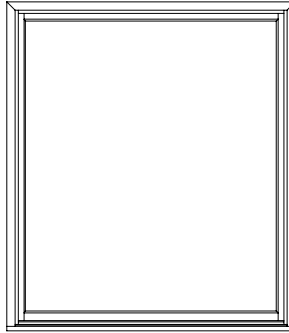
Note: Elevations shown DO NOT have exterior trim. Subtract 1/2" (12.7) from M.O. (Masonry Opening) for Unit Sizes. Masonry Openings above include Sill Nose, see Trim Options page for Sill Nose specifications. For other Trim Options refer to the Unit Sizing, Rough Opening & Masonry Openings page.

SCALE 1/4" = 1'

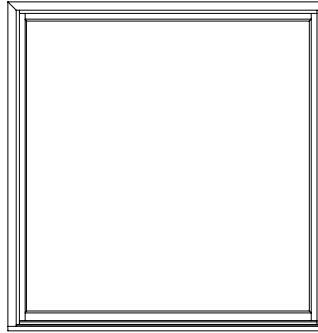
PICTURE UNITS

M.O. BRICKMOULD	72 1/2" (1842)	80 1/2" (2045)
M.O. ADAMS/FLAT CASING	75 1/2" (1918)	83 1/2" (2121)
ROUGH OPENING	70 1/8" (1781)	78 1/8" (1984)
FRAME SIZE	69 3/8" (1762)	77 3/8" (1965)
DAYLIGHT OPENING	62 13/16" (1595)	70 13/16" (1799)

82 11/16" (2100)
84 3/16" (2138)
80 3/4" (2051)
80" (2032)
72 5/16" (1837)



EWDP6980





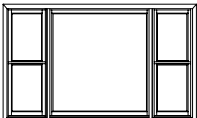
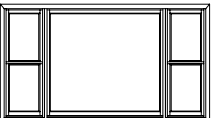
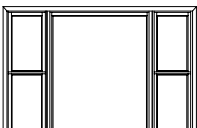
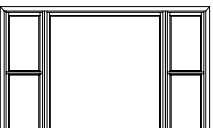
EWDP7780

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.

PICTURE UNITS WITH 16" FLANKERS

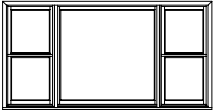
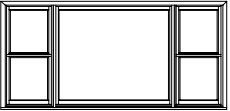
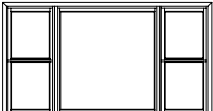
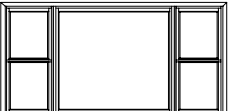
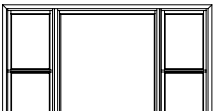
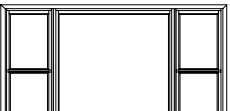
M.O. BRICKMOULD	99 1/4"(2521)	107 1/4"(2724)
M.O. ADAMS/FLAT CASING	102 1/4"(2597)	110 1/4"(2800)
ROUGH OPENING	96 7/8"(2461)	104 7/8"(2664)
FRAME SIZE	96 1/8"(2442)	104 1/8"(2645)
DAYLIGHT OPENING	14 13/16"(376)[2] 46 13/16"(1189)	14 13/16"(376)[2] 54 13/16"(1392)
54 11/16"(1389) 56 3/16"(1427) 52 3/4"(1340) 52"(1321) 21 1/16"(535)[2] 44 5/16"(1126)		
	EWD5352-16	EWD6152-16
58 11/16"(1491) 60 3/16"(1529) 56 3/4"(1441) 56"(1422) 23 1/16"(586)[2] 48 5/16"(1227)		
	EWD5356-16	EWD6156-16
66 11/16"(1694) 68 3/16"(1732) 64 3/4"(1645) 64"(1626) 27 1/16"(687)[2] 56 5/16"(1430)		
	EWD5364-16	EWD6164-16

ELEVATION SYMBOL LEGEND:

M.O. = MASONRY OPENING
VALUES IN () ARE IN MILLIMETER CONVERSIONS
VALUES IN [] ARE NUMBER OF DAYLIGHT OPENINGS PER UNIT

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.

PICTURE UNITS WITH 20" FLANKERS

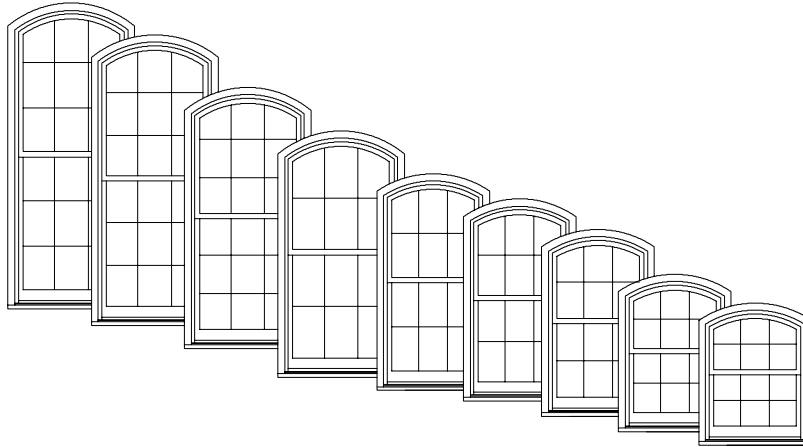
M.O. BRICKMOULD	107 1/4" (2724)	115 1/4" (2927)
M.O. ADAMS/FLAT CASING	110 1/4" (2800)	118 1/4" (3004)
ROUGH OPENING	104 7/8" (2664)	112 7/8" (2867)
FRAME SIZE	104 1/8" (2645)	112 1/8" (2848)
DAYLIGHT OPENING	18 13/16" (478)[2] 54 13/16" (1392)	18 13/16" (478)[2] 62 13/16" (1595)
54 11/16" (1389) 56 3/16" (1427) 52 3/4" (1340) 52" (1321) 21 1/16" (535)[2] 44 5/16" (1126)		
	EWD6152-20	EWD6952-20
58 11/16" (1491) 60 3/16" (1529) 56 3/4" (1441) 56" (1422) 23 1/16" (586)[2] 48 5/16" (1227)		
	EWD6156-20	EWD6956-20
66 11/16" (1694) 68 3/16" (1732) 64 3/4" (1645) 64" (1626) 27 1/16" (687)[2] 56 5/16" (1430)		
	EWD6164-20	EWD6964-20

ELEVATION SYMBOL LEGEND:

M.O. = MASONRY OPENING
VALUES IN () ARE IN MILLIMETER CONVERSIONS
VALUES IN [] ARE NUMBER OF DAYLIGHT OPENINGS PER UNIT

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.

GENERAL INFORMATION
SECTOR TOP SINGLE-HUNG UNITS

**DIMENSIONAL WINDOWS**

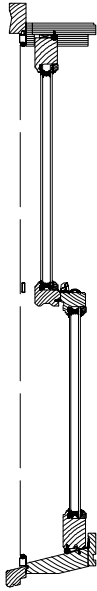
Wood sector top single-hung windows may be specified as "dimensional" by adjusting the desired rough opening width or height in 1/4" increments from standard.

Wood sector top single-hung windows feature stationary (fixed) upper sash and an operating lower sash. Counterbalancing is achieved with block and tackle spring extension systems hidden in weatherable PVC jamb liners. Operating units are supplied with cam-type sash locks installed. Die-cast lower sash lifts supplied for field installation are an option. Recessed sash retainers provide simple sash installation and removal. There are several hardware finish options. Refer to the Specifications for available finish options.

SITELINE EX SECTOR TOP SINGLE-HUNG WINDOWS utilize some of the same options as SITELINE EX DOUBLE-HUNG. These options have not been repeated here in this sub-section.

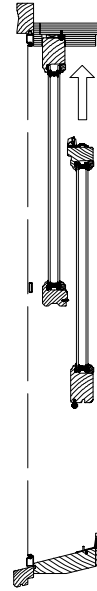
See the SITELINE EX DOUBLE-HUNG section for:
Trim Options (all wood exterior trim is available as radius trim)
and Jamb Extender Options.

HANDING & OPERATION
SECTOR TOP SINGLE-HUNG UNITS



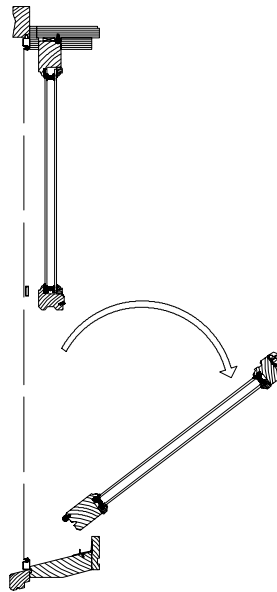
SINGLE-HUNG OPERATION:
When the sash are locked at the check rails the sash are closed and sealed in the sash opening of the frame.

When the sash are unlocked the lower sash travels vertically to any position desired. The upper sash is fixed.



SASH TILTING FOR WASHING

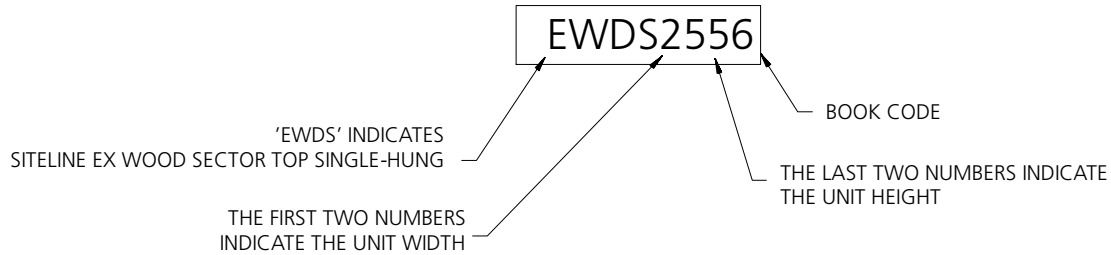
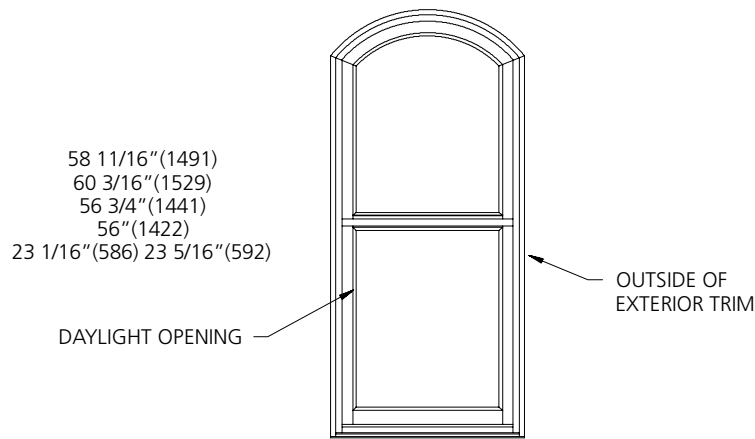
The Custom Wood Single-Hung window will allow the lower sash to be tilted or removed for easy cleaning.



ELEVATION NOTES
SECTOR TOP SINGLE-HUNG UNITS

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 FOR MORE COMPLETE DEPICTIONS.

M.O. Brickmould	28 1/2" (724)	Masonry Openings for Brickmould, Flat & Adams Casing. Vertical measurements include sillnose. (Subtract 1/2" from Masonry Opening for Unit Size)
M.O. Adams/Flat Casing	31 1/2" (800)	
Rough Opening	26 1/8" (664)	
Frame Size	25 3/8" (645)	
Daylight Opening	18 13/16" (478)	



GENERAL WOOD SINGLE-HUNG NOTES

1. ALL UNITS SHOWN ARE AVAILABLE AS OPERATORS ONLY.
2. UNIT ELEVATIONS ARE SHOWN WITH BRICKMOULD & SUBSILL.
3. ALL OPERATING SASH ARE INSTALLED WITH VINYL JAMB LINERS AND OPERATED WITH AN INTERNAL BLOCK AND TACKLE SPRING SYSTEM.
4. DIMENSIONAL VALUES IN PARENTHESES ARE MILLIMETER CONVERSIONS.

ELEVATION SYMBOL LEGEND:

MO MASONRY OPENING

SECTOR TOP UNITS - 1-WIDE

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

	28 1/2" (724)	32 1/2" (826)	34 1/2" (876)	36 1/2" (927)	40 1/2" (1029)	44 1/2" (1130)
	31 1/2" (800)	35 1/2" (902)	37 1/2" (953)	39 1/2" (1003)	43 1/2" (1105)	47 1/2" (1207)
	26 1/8" (664)	30 1/8" (765)	32 1/8" (816)	34 1/8" (867)	38 1/8" (968)	42 1/8" (1070)
	25 3/8" (645)	29 3/8" (670)	31 3/8" (797)	33 3/8" (848)	37 3/8" (949)	41 3/8" (1051)
	18 13/16" (478)	22 13/16" (579)	24 13/16" (630)	26 13/16" (681)	30 13/16" (783)	34 13/16" (884)
58 11/16" (1491)						
60 3/16" (1529)						
56 3/4" (1441)						
56" (1422)						
23 1/16" (586)						
	EWDS2556	EWDS2956	EWDS3156	EWDS3356	EWDS3756	EWDS4156
62 11/16" (1592)						
64 3/16" (1630)						
60 3/4" (1543)						
60" (1524)						
25 1/16" (637)						
	EWDS2560	EWDS2960	EWDS3160	EWDS3360	EWDS3760	EWDS4160
66 11/16" (1694)						
68 3/16" (1732)						
64 3/4" (1645)						
64" (1626)						
27 1/16" (687)						
	EWDS2564	EWDS2964	EWDS3164	EWDS3364	EWDS3764	EWDS4164
70 11/16" (1795)						
72 3/16" (1834)						
68 3/4" (1746)						
68" (1727)						
29 1/16" (738)						
	EWDS2568	EWDS2968	EWDS3168	EWDS3368	EWDS3768	EWDS4168
74 11/16" (1897)						
76 3/16" (1935)						
72 3/4" (1848)						
72" (1829)						
31 1/16" (789)						
	EWDS2572	EWDS2972	EWDS3172	EWDS3372	EWDS3772	EWDS4172

ELEVATION SYMBOL LEGEND:

M.O. = MASONRY OPENING
VALUES IN () ARE IN MILLIMETER CONVERSIONS
VALUES IN [] ARE NUMBER OF DAYLIGHT OPENINGS PER UNIT

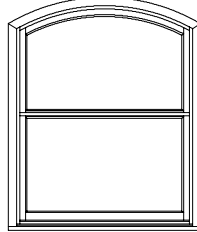
Note: Elevations shown DO NOT have exterior trim. Subtract 1/2" (12.7) from M.O. (Masonry Opening) for Unit Sizes. Masonry Openings above include Sill Nose, see Trim Options page for Sill Nose specifications. For other Trim Options refer to the Unit Sizing, Rough Opening & Masonry Openings page.

SCALE 1/4" = 1'

SECTOR TOP UNITS - 1-WIDE

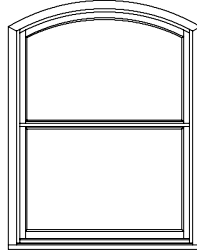
M.O. BRICKMOULD 48 1/2"(1232)
M.O. ADAMS/FLAT CASING 51 1/2"(1308)
ROUGH OPENING 46 1/8"(1172)
FRAME SIZE 45 3/8"(1153)
DAYLIGHT OPENING 38 13/16"(986)

58 11/16"(1491)
60 3/16"(1529)
56 3/4"(1441)
56"(1422)
23 1/16"(586) 23 5/16"(592)



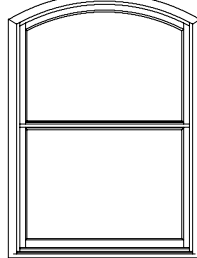
EWDS4556

62 11/16"(1592)
64 3/16"(1630)
60 3/4"(1543)
60"(1524)
25 1/16"(637) 25 5/16"(643)



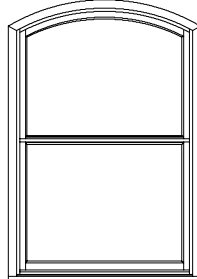
EWDS4560

66 11/16"(1694)
68 3/16"(1732)
64 3/4"(1645)
64"(1626)
27 1/16"(687) 27 5/16"(694)



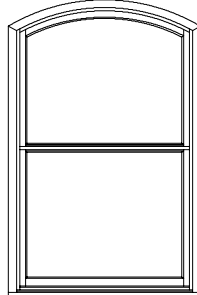
EWDS4564

70 11/16"(1795)
72 3/16"(1834)
68 3/4"(1746)
68"(1727)
29 1/16"(738) 29 5/16"(745)



EWDS4568

74 11/16"(1897)
76 3/16"(1935)
72 3/4"(1848)
72"(1829)
31 1/16"(789) 31 5/16"(795)




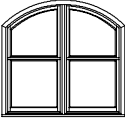
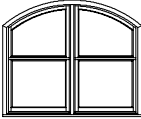
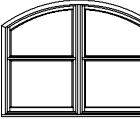






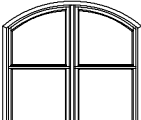
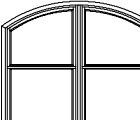






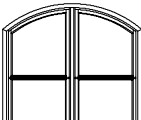
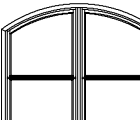
EWDS4572

ELEVATION SYMBOL LEGEND:
M.O. = MASONRY OPENING
VALUES IN () ARE IN MILLIMETER CONVERSIONS
VALUES IN [] ARE NUMBER OF DAYLIGHT OPENINGS PER UNIT

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'

SECTOR TOP UNITS - 2-WIDE

	53 7/8" (1368)	61 7/8" (1572)	69 7/8" (1775)	77 7/8" (1978)
M.O. BRICKMOULD	53 7/8" (1368)	61 7/8" (1572)	69 7/8" (1775)	77 7/8" (1978)
M.O. ADAMS/FLAT CASING	56 7/8" (1445)	64 7/8" (1648)	72 7/8" (1851)	80 7/8" (2054)
ROUGH OPENING	51 1/2" (1308)	59 1/2" (1511)	67 1/2" (1715)	75 1/2" (1918)
FRAME SIZE	50 3/4" (1289)	58 3/4" (1492)	66 3/4" (1695)	74 3/4" (1899)
DAYLIGHT OPENING	18 13/16" (478)[2]	22 13/16" (579)[2]	26 13/16" (681)[2]	30 13/16" (783)[2]
58 11/16" (1491) 60 3/16" (1529) 56 3/4" (1441) 56" (1422) 23 1/16" (586) 23 5/16" (592)				
62 11/16" (1592) 64 3/16" (1630) 60 3/4" (1524) 60" (1524) 64" (1626) 25 1/16" (637) 25 5/16" (643)				
66 11/16" (1694) 68 3/16" (1732) 64 3/4" (1645) 64" (1626) 27 1/16" (687) 27 5/16" (694)				
70 11/16" (1795) 72 3/16" (1834) 68 3/4" (1746) 68" (1727) 29 1/16" (738) 29 5/16" (745)				
74 11/16" (1897) 76 3/16" (1935) 72 3/4" (1848) 72" (1829) 31 1/16" (789) 31 5/16" (795)				

ELEVATION SYMBOL LEGEND:
M.O. = MASONRY OPENING
 VALUES IN () ARE IN MILLIMETER CONVERSIONS
 VALUES IN [] ARE NUMBER OF DAYLIGHT OPENINGS PER UNIT

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.

FULL RADIUS UNITS

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

32 1/2"(826)
35 1/2"(902)
30 1/8"(765)
29 3/8"(670)
22 13/16"(579)

34 1/2"(876)
37 1/2"(953)
32 1/8"(816)
31 3/8"(797)
24 13/16"(630)

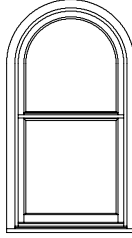
36 1/2"(927)
39 1/2"(1003)
34 1/8"(867)
33 3/8"(848)
26 13/16"(681)

40 1/2"(1029)
43 1/2"(1105)
38 1/8"(968)
37 3/8"(949)
30 13/16"(783)

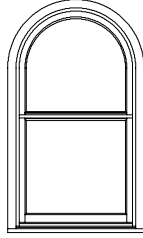
44 1/2"(1130)
47 1/2"(1207)
42 1/8"(1070)
41 3/8"(1051)
34 13/16"(884)

48 1/2"(1232)
51 1/2"(1308)
46 1/8"(1172)
45 3/8"(1153)
38 13/16"(986)

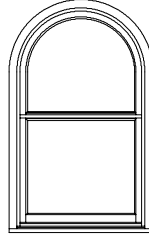
58 11/16"(1491)
60 3/16"(1529)
56 3/4"(1441)
56"(1422)
23 1/16"(586) 23 5/16"(592)



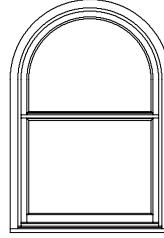
EWDF2956



EWDF3156

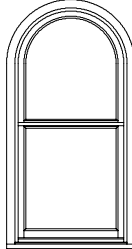


EWDF3356

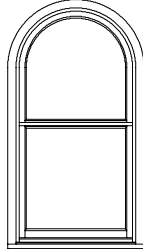


EWDF3756

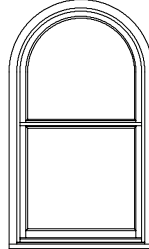
62 11/16"(1592)
64 3/16"(1630)
60 3/4"(1543)
60"(1524)
25 1/16"(637) 25 5/16"(643)



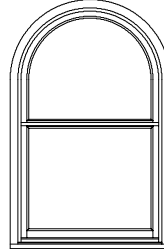
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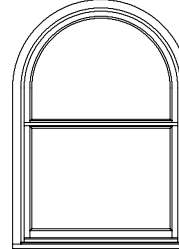
EWDF3160



EWDF3360

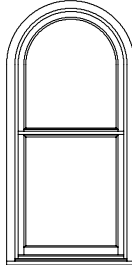


EWDF3760

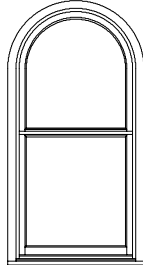


EWDF4160

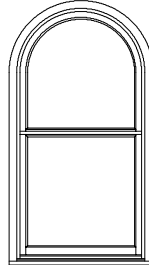
66 11/16"(1694)
68 3/16"(1732)
64 3/4"(1645)
64"(1626)
27 1/16"(687) 27 5/16"(694)



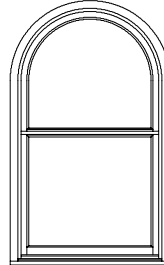
EWDF2964



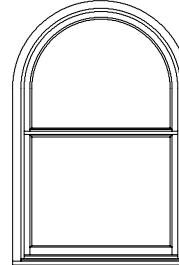
EWDF3164



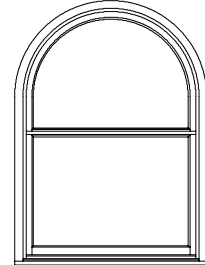
EWDF3364



EWDF3764

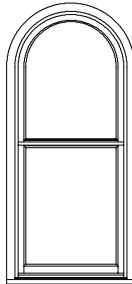


EWDF4164

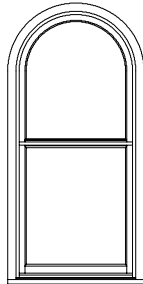


EWDF4564

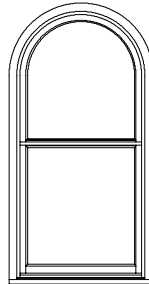
70 11/16"(1795)
72 3/16"(1834)
68 3/4"(1746)
68"(1727)
29 1/16"(738) 29 5/16"(745)



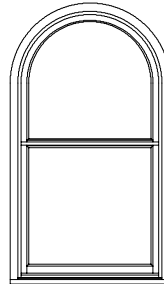
EWDF2968



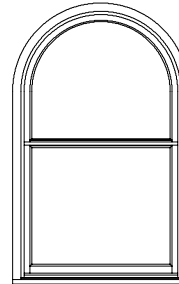
EWDF3168



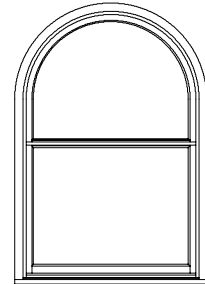
EWDF3368



EWDF3768

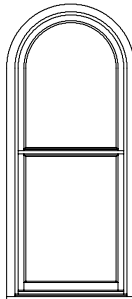


EWDF4168

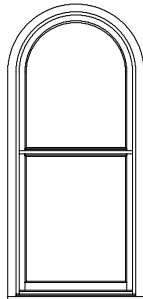


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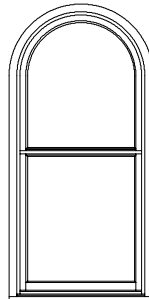
74 11/16"(1897)
76 3/16"(1935)
72 3/4"(1848)
72"(1829)
31 1/16"(789) 31 5/16"(795)



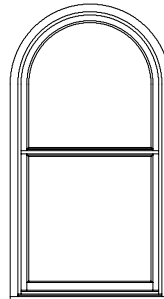
EWDF2972



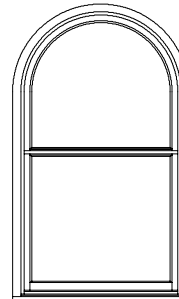
EWDF3172



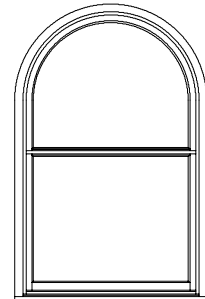
EWDF3372



EWDF3772



EWDF4172



EWDF4572

ELEVATION SYMBOL LEGEND:
M.O. = MASONRY OPENING
VALUES IN () ARE IN MILLIMETER CONVERSIONS
VALUES IN [] ARE NUMBER OF DAYLIGHT OPENINGS PER UNIT

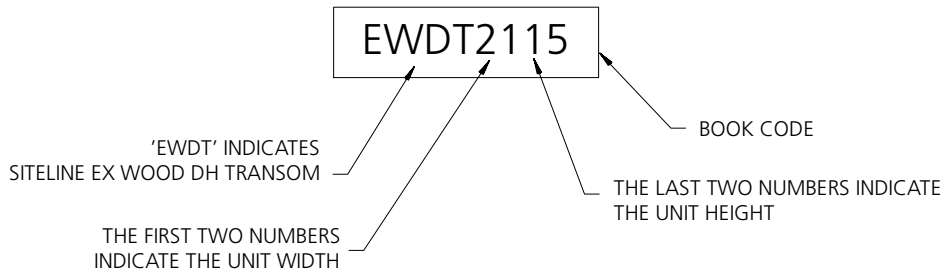
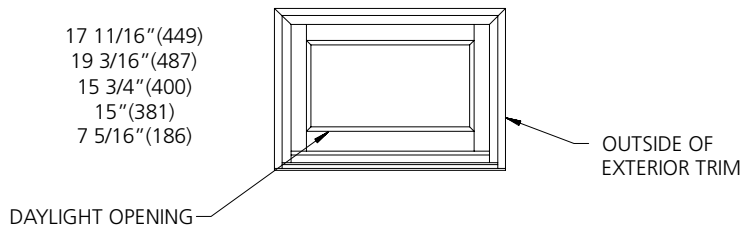
Note: Elevations shown DO NOT have exterior trim. Subtract 1/2" (12.7) from M.O. (Masonry Opening) for Unit Sizes. Masonry Openings above include Sill Nose, see Trim Options page for Sill Nose specifications. For other Trim Options refer to the Unit Sizing, Rough Opening & Masonry Openings page.

SCALE 1/4" = 1'

ELEVATION NOTES
DOUBLE-HUNG TRANSOM

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 FOR MORE COMPLETE DEPICTIONS.

M.O. Brickmould	24 1/2" (645)	Masonry Openings for Brickmould, Flat & Adams Casing. Vertical measurements include sillnose. (Subtract 1/2" from Masonry Opening for Unit Size)
M.O. Adams/Flat Casing	27 1/2" (699)	
Rough Opening	22 1/8" (562)	
Frame Size	21 3/8" (543)	
Daylight Opening	14 13/16" (376)	



GENERAL DOUBLE HUNG TRANSOM NOTES

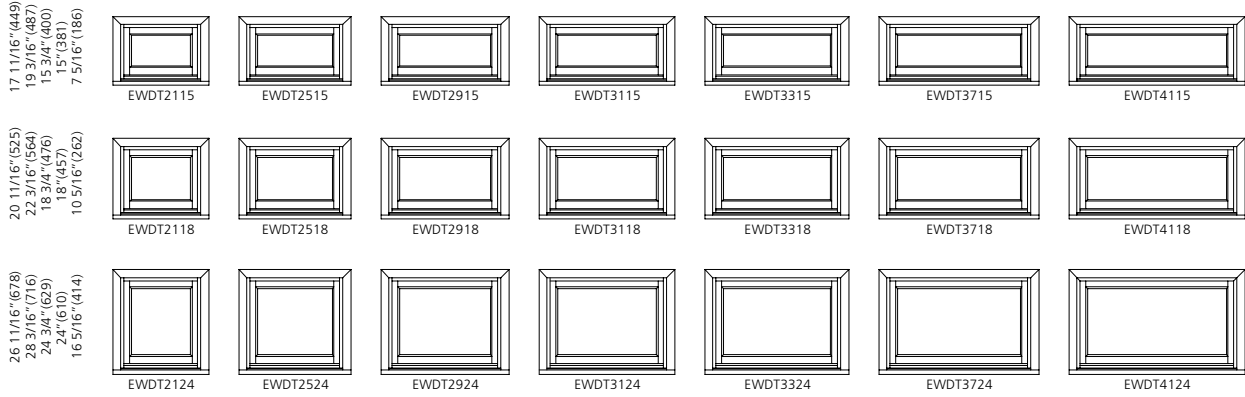
1. ALL UNITS SHOWN ARE AVAILABLE AS STATIONARY ONLY.
2. UNIT ELEVATIONS ARE SHOWN WITH BRICKMOULD & SILLNOSE.
3. DIMENSIONAL VALUES IN PARENTHESES ARE MILLIMETER CONVERSIONS.

ELEVATION SYMBOL LEGEND:

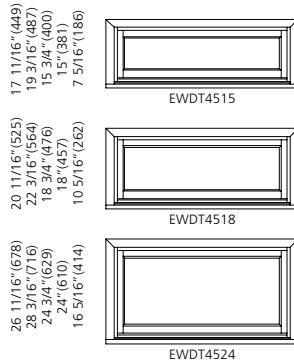
MO MASONRY OPENING

TRANSOM UNITS

M.O. BRICKMOULD	24 1/2" (645)	28 1/2" (724)	32 1/2" (826)	34 1/2" (876)	36 1/2" (927)	40 1/2" (1029)	44 1/2" (1130)
M.O. ADAMS/FLAT CASING	27 1/2" (699)	31 1/2" (800)	35 1/2" (902)	37 1/2" (953)	39 1/2" (1003)	43 1/2" (1105)	47 1/2" (1207)
ROUGH OPENING	22 1/8" (562)	26 1/8" (664)	30 1/8" (765)	32 1/8" (816)	34 1/8" (867)	38 1/8" (968)	42 1/8" (1070)
FRAME SIZE	21 3/8" (543)	25 3/8" (645)	29 3/8" (747)	31 3/8" (797)	33 3/8" (848)	37 3/8" (949)	41 3/8" (1051)
DAYLIGHT OPENING	14 13/16" (376)	18 13/16" (478)	22 13/16" (579)	24 13/16" (630)	26 13/16" (681)	30 13/16" (783)	34 13/16" (884)



M.O. BRICKMOULD	48 1/2" (1232)
M.O. ADAMS/FLAT CASING	51 1/2" (1308)
ROUGH OPENING	46 1/8" (1172)
FRAME SIZE	45 3/8" (1153)
DAYLIGHT OPENING	38 13/16" (989)



ELEVATION SYMBOL LEGEND:

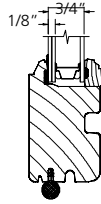
M.O. = MASONRY OPENING
VALUES IN () ARE IN MILLIMETER CONVERSIONS

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.

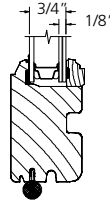
SCALE 1/4" = 1'

SASH GLAZING OPTIONS

INTERIOR GLAZING OPTIONS



DOUBLE-HUNG
3.5L//SS



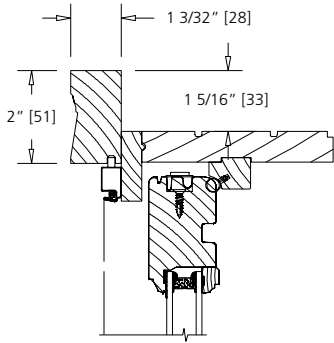
DOUBLE-HUNG
SS//3.5L

NOTE: SDL not available on textured glass.

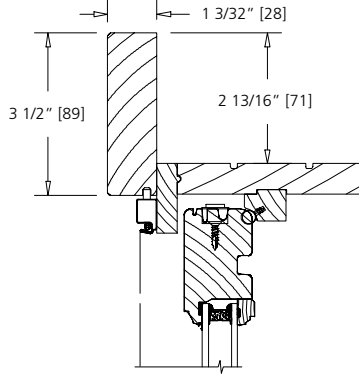
SCALE 3" = 1'

TRIM & SILL OPTIONS
DOUBLE-HUNG

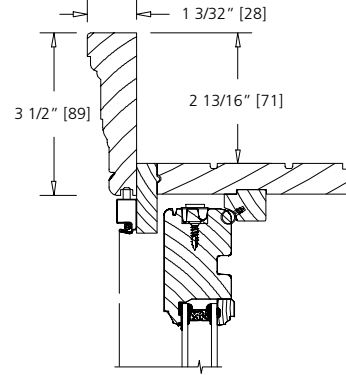
EXTERIOR TRIM



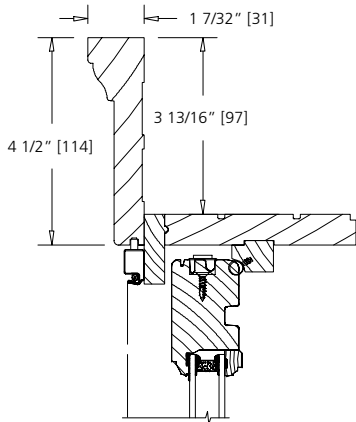
BRICKMOULD



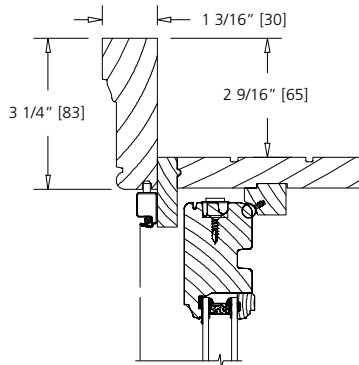
FLAT CASING



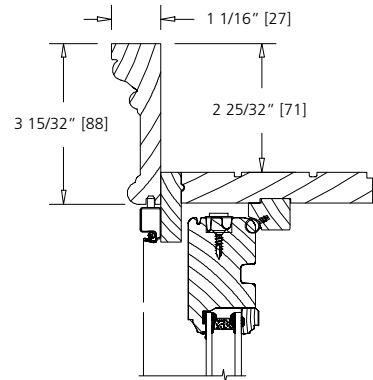
ADAMS CASING



1 X 4 BACKBAND

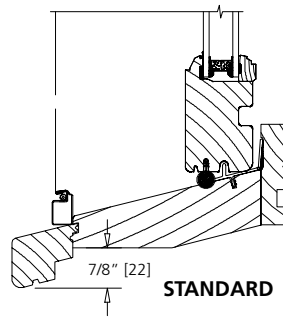


WILLIAMSBURG

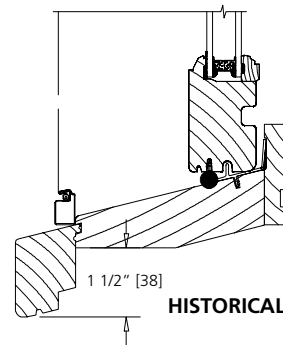


RB 3 CASING

SILL OPTIONS



STANDARD

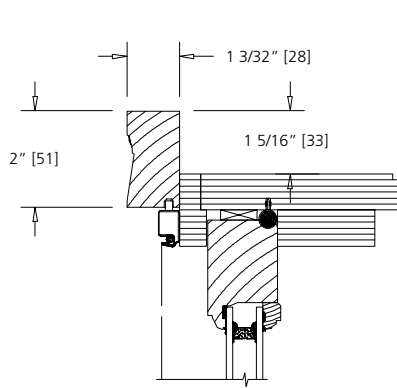


HISTORICAL

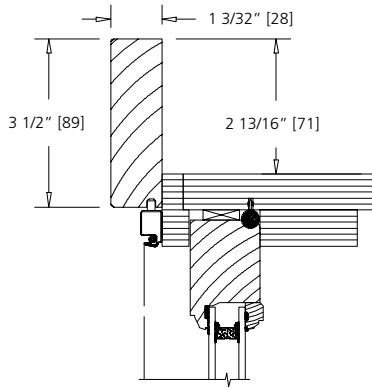
SCALE: 3" = 1'

TRIM & SILL OPTIONS
SECTOR TOP SINGLE-HUNG

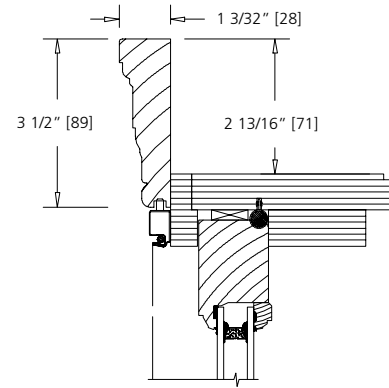
EXTERIOR TRIM



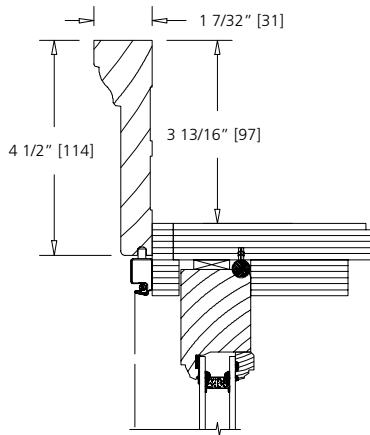
BRICKMOULD



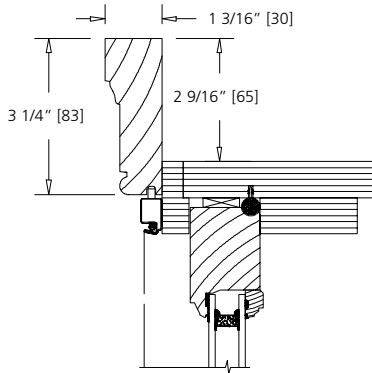
FLAT CASING



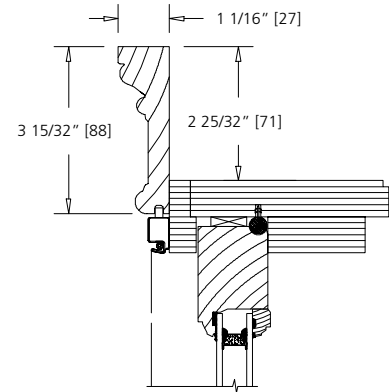
ADAMS CASING



1 X 4 BACKBAND

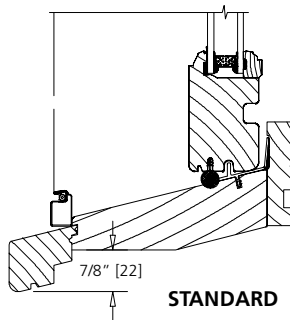


WILLIAMSBURG

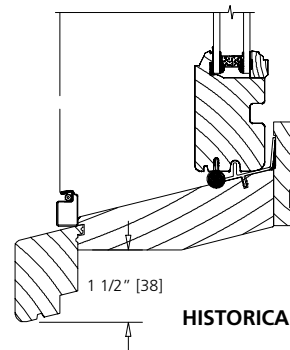


RB 3 CASING

SILL OPTIONS



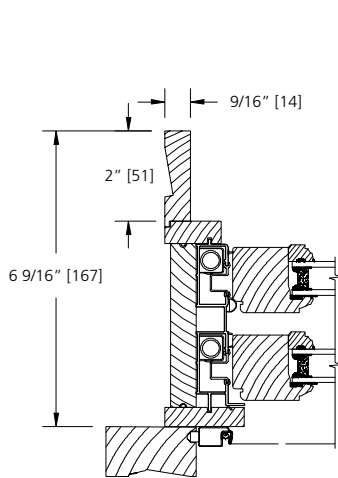
STANDARD



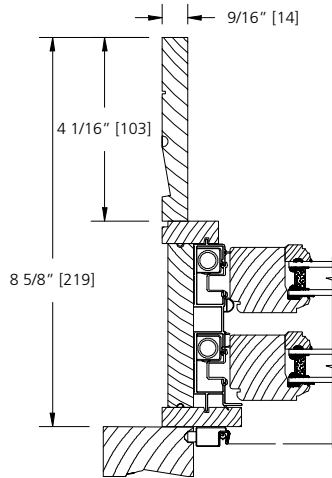
HISTORICAL

SCALE: 3" = 1'

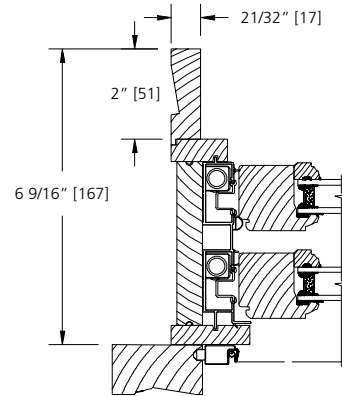
JAMB EXTENDER OPTIONS



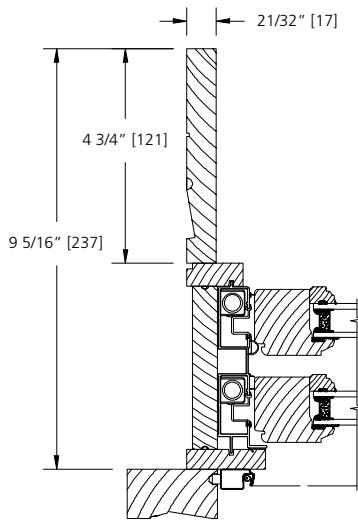
6 9/16" WALL
9/16" JAMB THICKNESS (OPTION)



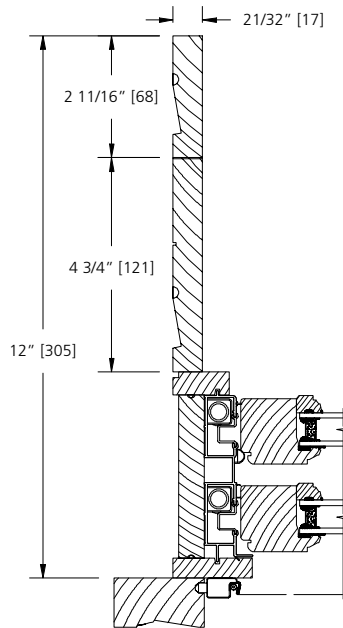
8 5/8" WALL



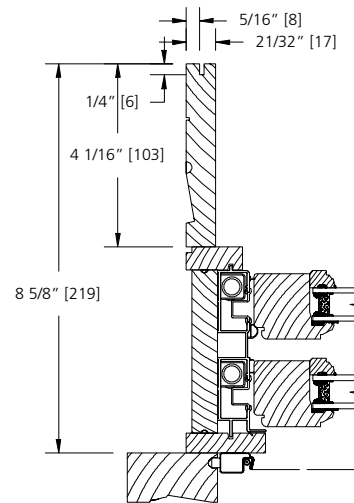
6 9/16" WALL
4/4 JAMB THICKNESS (STANDARD)



9 5/16" WALL



12" WALL
4/4 JAMB THICKNESS (STANDARD)
2 PC JAMB EXTENSION SHOWN



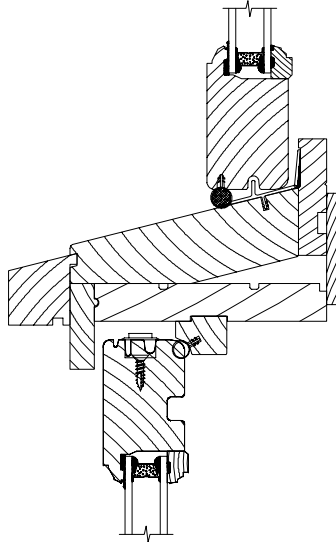
8 5/8" WALL
4/4 JAMB THICKNESS (STANDARD)
KERFED EXTENSION SHOWN

Notes:

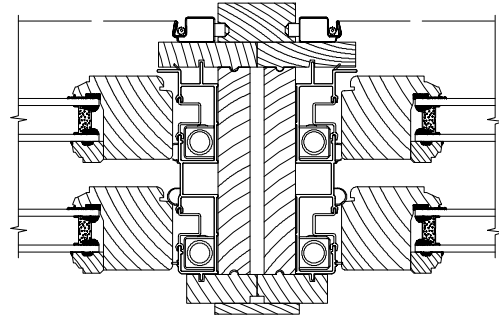
Double-Hungs to have standard (4/4 thick) extension option.
Double-Hungs to have 9/16" thickness option & 4/4 kerfed option.

SCALE: 3" = 1'

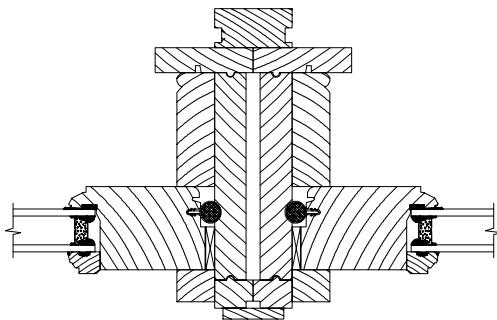
STANDARD MULLION OPTIONS



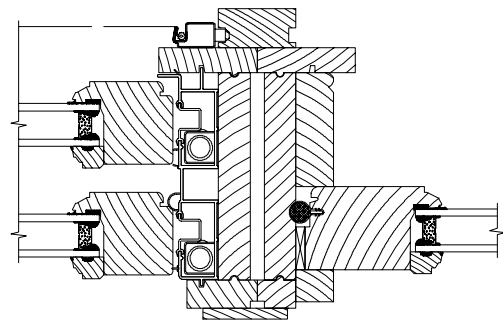
**OPERATING DOUBLE-HUNG
WITH FIXED TRANSOM**



TWIN OPERATING DOUBLE-HUNG

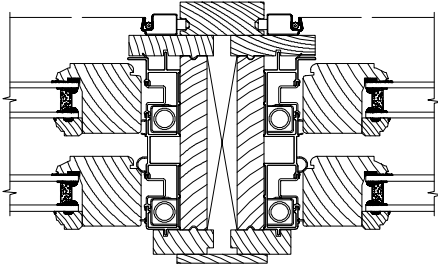


**DOUBLE-HUNG PICTURE
WITH DOUBLE-HUNG PICTURE**

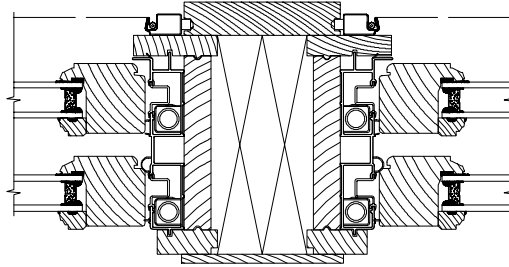


**TWIN OPERATING DOUBLE-HUNG
WITH PICTURE FLANKERS**

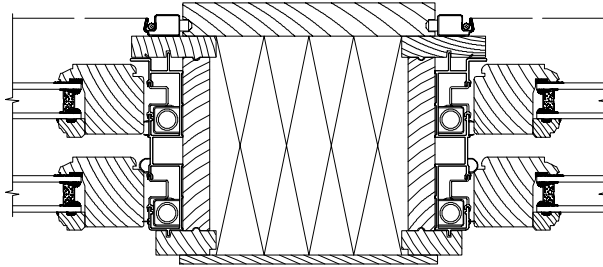
STANDARD MULLION OPTIONS



TWIN OPERATING DOUBLE-HUNG
WITH 1" SOLID SPREAD MULL



TWIN OPERATING DOUBLE-HUNG
WITH 2" SOLID SPREAD MULL



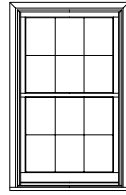
TWIN OPERATING DOUBLE-HUNG
WITH 4" SOLID SPREAD MULL

LITE CUT INFORMATION

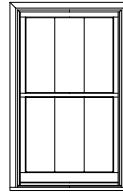
Wood double-hung windows are available in 7/8", 1-1/8" and 1-3/8" widths for SDL (Simulated Divided Lites), 5/8", 23/32" and 1" GBG (Grilles between the Glass) and 7/8" removable grilles. Standard lite cuts are rectangular.

LITE CUT OPTIONS

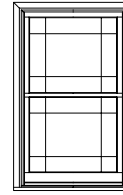
Special lite cut patterns can include a wide variety of straight line and radius patterns. The illustrations shown here represent just a few of the possibilities. Rectangular, horizontal, vertical and Prairie lite patterns are available in all standard size wood double-hung windows. Uneven, diamond, 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.



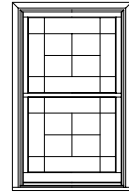
RECTANGULAR



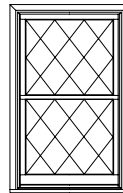
VERTICAL



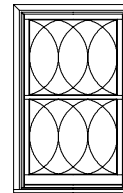
PRAIRIE



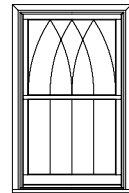
UNEVEN



DIAMOND



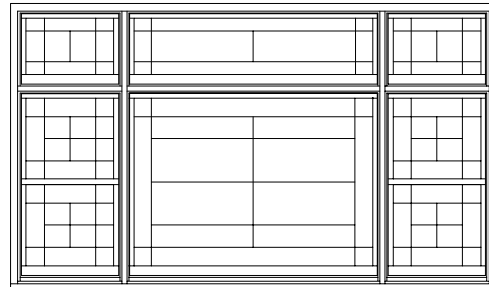
RADIUS



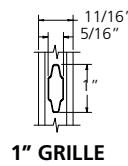
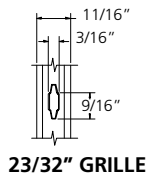
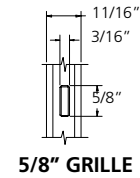
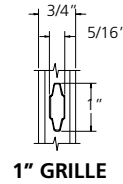
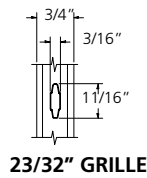
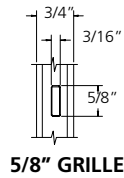
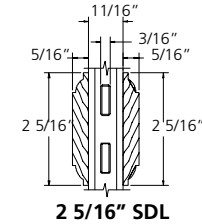
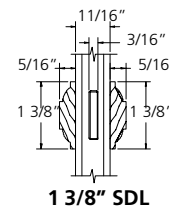
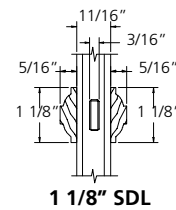
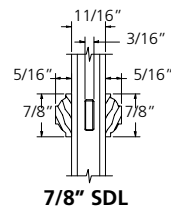
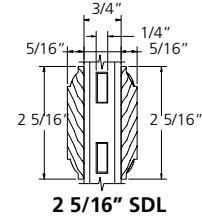
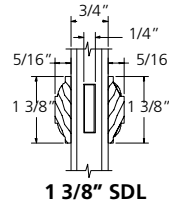
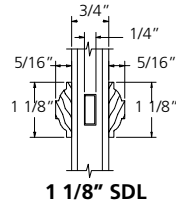
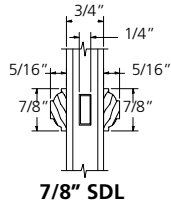
GOthic

BAR ALIGNMENT

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



DIVIDED LITE OPTIONS



GRILLES MEETING
NFRC 3mm RULE

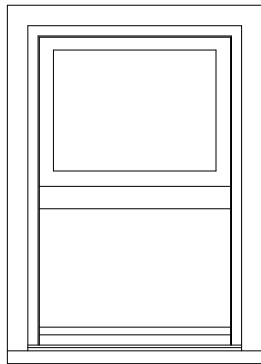
GRILLE PROFILES:

3/16" x 5/8"	ALLMETAL 1021101018XX140
3/16" x 1"	ALLMETAL 1020101018XX164
1/4" x 5/8"	ALLMETAL 1020102018XX140
1/4" x 1"	ALLMETAL 1020102018XX164
5.5mm x 18mm CONTOUR	ALLMETAL 1020301010XX255
8mm x 25mm CONTOUR	ALLMETAL 1020301018XX380

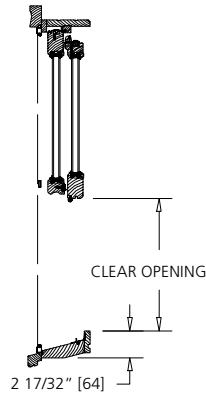
Note: All glass and airspace dimensions per current cardinal glass specs. Lites with shapes, angles or radii outside the Lisec Bender capabilities for stainless steel warm edge spacer will have aluminum box spacer with the same airspace dimension shown here.

SCALE 3" = 1'

**CLEAR OPENING INFORMATION
DOUBLE-HUNG, COTTAGE, AND REVERSE COTTAGE**



DOUBLE-HUNG WINDOW



DOUBLE-HUNG CLEAR OPENING FORMULA:

VERTICAL

Interior Glazed Sash:
(Frame Height / 2) - 4 13/16" = Clear Opening

HORIZONTAL

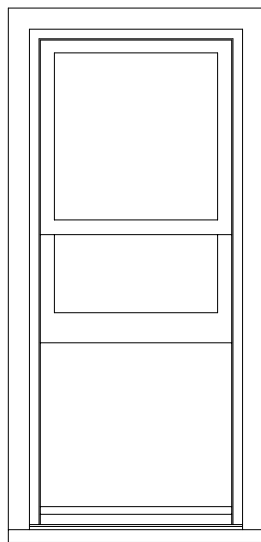
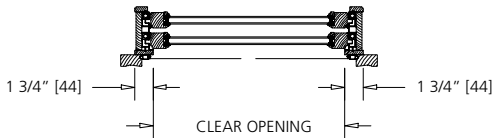
Frame - 3 9/16" = Clear Opening

VERTICAL

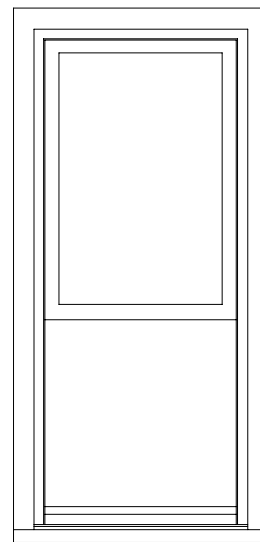
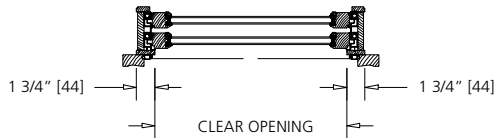
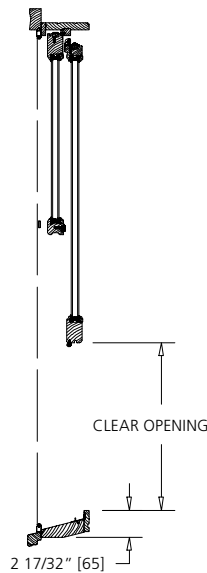
Exterior Glazed Sash:
(Frame Height / 2) - 4 13/16" = Clear Opening

HORIZONTAL

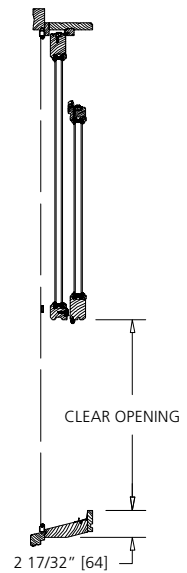
Frame - 3 9/16" = Clear Opening



COTTAGE WINDOW



REVERSE COTTAGE WINDOW



COTTAGE & REVERSE COTTAGE

Consult the Design Data Tables for clear opening information. For dimensional units, contact Jeld-Wen - Bend Window Division Technical Services Department for Clear Opening information.

CLEAR OPENING AND DAYLIGHT SPECIFICATIONS

Double-Hung Units

Unit		Glass		Daylight Opening (sq.ft.)	Clear Opp. Width (in.)	DP35					DP50				
						Clear Opening		Subfloor to Top of Sill Height	Egress		Clear Opening		Subfloor to Top of Sill Height	Egress	
						Height (in.)	Area (sq.ft.)		At 5.0 sq.ft.	At 5.7 sq.ft.	Height (in.)	Area (sq.ft.)		At 5.0 sq.ft.	At 5.7 sq.ft.
21.375	32	15.75	12	2.3	17.825	12.332	1.5	53.281	NO	NO	12.250	1.5	53.5	NO	NO
21.375	36	15.75	14	2.7	17.825	14.332	1.8	49.281	NO	NO	14.250	1.8	49.5	NO	NO
21.375	40	15.75	16	3.1	17.825	16.332	2.0	45.281	NO	NO	16.250	2.0	45.5	NO	NO
21.375	44	15.75	18	3.5	17.825	18.332	2.3	41.281	NO	NO	18.250	2.3	41.5	NO	NO
21.375	48	15.75	20	3.9	17.825	20.332	2.5	37.281	NO	NO	20.250	2.5	37.5	NO	NO
21.375	52	15.75	22	4.3	17.825	22.332	2.8	33.281	NO	NO	22.250	2.8	33.5	NO	NO
21.375	56	15.75	24	4.7	17.825	24.332	3.0	29.281	NO	NO	24.250	3.0	29.5	NO	NO
21.375	60	15.75	26	5.2	17.825	26.332	3.3	25.281	NO	NO	26.250	3.2	25.5	NO	NO
21.375	64	15.75	28	5.6	17.825	28.332	3.5	21.281	NO	NO	28.250	3.5	21.5	NO	NO
21.375	68	15.75	30	6.0	17.825	30.332	3.8	17.281	NO	NO	30.250	3.7	17.5	NO	NO
21.375	68 Cottage	15.75	24 / 36	6.0	17.825	24.332	3.0	17.281	NO	NO	24.250	3.0	17.5	NO	NO
21.375	72	15.75	32	6.4	17.825	32.332	4.0	13.281	NO	NO	32.250	4.0	13.5	NO	NO
21.375	76	15.75	34	6.8	17.825	34.332	4.2	9.281	NO	NO	34.250	4.2	9.5	NO	NO
21.375	80	15.75	36	7.2	17.825	36.332	4.5	5.281	NO	NO	36.250	4.5	5.5	NO	NO
21.375	88	15.75	40	8.0	17.825	40.332	5.0	-2.719	NO	NO	40.250	5.0	-2.5	NO	NO
21.375	92	15.75	42	8.4	17.825	42.332	5.2	-6.719	NO	NO	42.250	5.2	-6.5	NO	NO
25.375	32	19.75	12	2.9	21.825	12.332	1.9	53.281	NO	NO	12.250	1.9	53.5	NO	NO
25.375	36	19.75	14	3.4	21.825	14.332	2.2	49.281	NO	NO	14.250	2.2	49.5	NO	NO
25.375	40	19.75	16	3.9	21.825	16.332	2.5	45.281	NO	NO	16.250	2.5	45.5	NO	NO
25.375	44	19.75	18	4.5	21.825	18.332	2.8	41.281	NO	NO	18.250	2.8	41.5	NO	NO
25.375	48	19.75	20	5.0	21.825	20.332	3.1	37.281	NO	NO	20.250	3.1	37.5	NO	NO
25.375	52	19.75	22	5.5	21.825	22.332	3.4	33.281	NO	NO	22.250	3.4	33.5	NO	NO
25.375	56	19.75	24	6.0	21.825	24.332	3.7	29.281	NO	NO	24.250	3.7	29.5	NO	NO
25.375	60	19.75	26	6.5	21.825	26.332	4.0	25.281	NO	NO	26.250	4.0	25.5	NO	NO
25.375	64	19.75	28	7.1	21.825	28.332	4.3	21.281	NO	NO	28.250	4.3	21.5	NO	NO
25.375	68	19.75	30	7.6	21.825	30.332	4.6	17.281	NO	NO	30.250	4.6	17.5	NO	NO
25.375	68 Cottage	19.75	24 / 36	7.6	21.825	24.332	3.7	17.281	NO	NO	24.250	3.7	17.5	NO	NO
25.375	72	19.75	32	8.1	21.825	32.332	4.9	13.281	NO	NO	32.250	4.9	13.5	NO	NO
25.375	76	19.75	34	8.6	21.825	34.332	5.2	9.281	YES*	NO	34.250	5.2	9.5	YES*	NO
25.375	80	19.75	36	9.2	21.825	36.332	5.5	5.281	YES*	NO	36.250	5.5	5.5	YES*	NO
25.375	88	19.75	40	10.2	21.825	40.332	6.1	-2.719	YES*	YES*	40.250	6.1	-2.5	YES*	YES*
25.375	92	19.75	42	10.7	21.825	42.332	6.4	-6.719	YES*	YES*	42.250	6.4	-6.5	YES*	YES*
29.375	32	23.75	12	3.5	25.825	12.332	2.2	53.281	NO	NO	12.250	2.2	53.5	NO	NO
29.375	36	23.75	14	4.1	25.825	14.332	2.6	49.281	NO	NO	14.250	2.6	49.5	NO	NO
29.375	40	23.75	16	4.8	25.825	16.332	2.9	45.281	NO	NO	16.250	2.9	45.5	NO	NO
29.375	44	23.75	18	5.4	25.825	18.332	3.3	41.281	NO	NO	18.250	3.3	41.5	NO	NO
29.375	48	23.75	20	6.0	25.825	20.332	3.6	37.281	NO	NO	20.250	3.6	37.5	NO	NO
29.375	52	23.75	22	6.7	25.825	22.332	4.0	33.281	NO	NO	22.250	4.0	33.5	NO	NO
29.375	56	23.75	24	7.3	25.825	24.332	4.4	29.281	NO	NO	24.250	4.3	29.5	NO	NO
29.375	60	23.75	26	7.9	25.825	26.332	4.7	25.281	NO	NO	26.250	4.7	25.5	NO	NO
29.375	64	23.75	28	8.6	25.825	28.332	5.1	21.281	YES*	NO	28.250	5.1	21.5	YES*	NO
29.375	68	23.75	30	9.2	25.825	30.332	5.4	17.281	YES*	NO	30.250	5.4	17.5	YES*	NO
29.375	68 Cottage	23.75	24 / 36	9.2	25.825	24.332	4.4	17.281	NO	NO	24.250	4.3	17.5	NO	NO
29.375	72	23.75	32	9.8	25.825	32.332	5.8	13.281	YES*	YES*	32.250	5.8	13.5	YES*	YES*
29.375	76	23.75	34	10.5	25.825	34.332	6.2	9.281	YES*	YES*	34.250	6.1	9.5	YES*	YES*
29.375	80	23.75	36	11.1	25.825	36.332	6.5	5.281	YES*	YES*	36.250	6.5	5.5	YES*	YES*
29.375	88	23.75	40	12.4	25.825	40.332	7.2	-2.719	YES*	YES*	40.250	7.2	-2.5	YES*	YES*
29.375	92	23.75	42	13.0	25.825	42.332	7.6	-6.719	YES*	YES*	42.250	7.6	-6.5	YES*	YES*

Values for Cottage apply to both standard and reverse cottages.

*To meet egress, the minimum clear opening width must be 20", minimum clear opening height must be 24", minimum clear opening square feet must be 5.7, and minimum subfloor to sill height must be 44".

Note: If on ground floor, the square feet of clear opening need only be 5.0.

Continued on next page

CLEAR OPENING AND DAYLIGHT SPECIFICATIONS

Double-Hung Units

Unit		Glass		Daylight Opening (sq.ft.)	Clear Opp. Width (in.)	DP35					DP50				
						Clear Opening		Subfloor to Top of Sill Height	Egress		Clear Opening		Subfloor to Top of Sill Height	Egress	
						Height (in.)	Area (sq.ft.)		At 5.0 sq.ft.	At 5.7 sq.ft.	Height (in.)	Area (sq.ft.)		At 5.0 sq.ft.	At 5.7 sq.ft.
31.375	32	25.75	12	3.8	27.825	12.332	2.4	53.281	NO	NO	12.250	2.4	53.5	NO	NO
31.375	36	25.75	14	4.5	27.825	14.332	2.8	49.281	NO	NO	14.250	2.8	49.5	NO	NO
31.375	40	25.75	16	5.2	27.825	16.332	3.2	45.281	NO	NO	16.250	3.1	45.5	NO	NO
31.375	44	25.75	18	5.9	27.825	18.332	3.5	41.281	NO	NO	18.250	3.5	41.5	NO	NO
31.375	48	25.75	20	6.6	27.825	20.332	3.9	37.281	NO	NO	20.250	3.9	37.5	NO	NO
31.375	52	25.75	22	7.3	27.825	22.332	4.3	33.281	NO	NO	22.250	4.3	33.5	NO	NO
31.375	56	25.75	24	7.9	27.825	24.332	4.7	29.281	NO	NO	24.250	4.7	29.5	NO	NO
31.375	60	25.75	26	8.6	27.825	26.332	5.1	25.281	YES*	NO	26.250	5.1	25.5	YES*	NO
31.375	64	25.75	28	9.3	27.825	28.332	5.5	21.281	YES*	NO	28.250	5.5	21.5	YES*	NO
31.375	68	25.75	30	10.0	27.825	30.332	5.9	17.281	YES*	YES*	30.250	5.8	17.5	YES*	YES*
31.375	68 Cottage	25.75	24 / 36	10.0	27.825	24.332	4.7	17.281	NO	NO	24.250	4.7	17.5	NO	NO
31.375	72	25.75	32	10.7	27.825	32.332	6.2	13.281	YES*	YES*	32.250	6.2	13.5	YES*	YES*
31.375	76	25.75	34	11.4	27.825	34.332	6.6	9.281	YES*	YES*	34.250	6.6	9.5	YES*	YES*
31.375	80	25.75	36	12.1	27.825	36.332	7.0	5.281	YES*	YES*	36.250	7.0	5.5	YES*	YES*
31.375	88	25.75	40	13.5	27.825	40.332	7.8	-2.719	YES*	YES*	40.250	7.8	-2.5	YES*	YES*
31.375	92	25.75	42	14.2	27.825	42.332	8.2	-6.719	YES*	YES*	42.250	8.2	-6.5	YES*	YES*
33.375	32	27.75	12	4.1	29.825	12.332	2.6	53.281	NO	NO	12.250	2.5	53.5	NO	NO
33.375	36	27.75	14	4.9	29.825	14.332	3.0	49.281	NO	NO	14.250	3.0	49.5	NO	NO
33.375	40	27.75	16	5.6	29.825	16.332	3.4	45.281	NO	NO	16.250	3.4	45.5	NO	NO
33.375	44	27.75	18	6.4	29.825	18.332	3.8	41.281	NO	NO	18.250	3.8	41.5	NO	NO
33.375	48	27.75	20	7.1	29.825	20.332	4.2	37.281	NO	NO	20.250	4.2	37.5	NO	NO
33.375	52	27.75	22	7.8	29.825	22.332	4.6	33.281	NO	NO	22.250	4.6	33.5	NO	NO
33.375	56	27.75	24	8.6	29.825	24.332	5.0	29.281	YES*	NO	24.250	5.0	29.5	YES*	NO
33.375	60	27.75	26	9.3	29.825	26.332	5.5	25.281	YES*	NO	26.250	5.4	25.5	YES*	NO
33.375	64	27.75	28	10.1	29.825	28.332	5.9	21.281	YES*	YES*	28.250	5.9	21.5	YES*	YES*
33.375	68	27.75	30	10.8	29.825	30.332	6.3	17.281	YES*	YES*	30.250	6.3	17.5	YES*	YES*
33.375	68 Cottage	27.75	24 / 36	10.8	29.825	24.332	5.0	17.281	YES*	NO	24.250	5.0	17.5	YES*	NO
33.375	72	27.75	32	11.6	29.825	32.332	6.7	13.281	YES*	YES*	32.250	6.7	13.5	YES*	YES*
33.375	76	27.75	34	12.3	29.825	34.332	7.1	9.281	YES*	YES*	34.250	7.1	9.5	YES*	YES*
33.375	80	27.75	36	13.1	29.825	36.332	7.5	5.281	YES*	YES*	36.250	7.5	5.5	YES*	YES*
33.375	88	27.75	40	14.5	29.825	40.332	8.4	-2.719	YES*	YES*	40.250	8.3	-2.5	YES*	YES*
33.375	92	27.75	42	15.3	29.825	42.332	8.8	-6.719	YES*	YES*	42.250	8.8	-6.5	YES*	YES*
37.375	32	31.75	12	4.7	33.825	12.332	2.9	53.281	NO	NO	12.250	2.9	53.5	NO	NO
37.375	36	31.75	14	5.6	33.825	14.332	3.4	49.281	NO	NO	14.250	3.3	49.5	NO	NO
37.375	40	31.75	16	6.4	33.825	16.332	3.8	45.281	NO	NO	16.250	3.8	45.5	NO	NO
37.375	44	31.75	18	7.3	33.825	18.332	4.3	41.281	NO	NO	18.250	4.3	41.5	NO	NO
37.375	48	31.75	20	8.2	33.825	20.332	4.8	37.281	NO	NO	20.250	4.8	37.5	NO	NO
37.375	52	31.75	22	9.0	33.825	22.332	5.2	33.281	NO	NO	22.250	5.2	33.5	NO	NO
37.375	56	31.75	24	9.9	33.825	24.332	5.7	29.281	YES*	YES*	24.250	5.7	29.5	YES*	YES*
37.375	60	31.75	26	10.7	33.825	26.332	6.2	25.281	YES*	YES*	26.250	6.2	25.5	YES*	YES*
37.375	64	31.75	28	11.6	33.825	28.332	6.7	21.281	YES*	YES*	28.250	6.6	21.5	YES*	YES*
37.375	68	31.75	30	12.4	33.825	30.332	7.1	17.281	YES*	YES*	30.250	7.1	17.5	YES*	YES*
37.375	68 Cottage	31.75	24 / 36	12.4	33.825	24.332	5.7	17.281	YES*	YES*	24.250	5.7	17.5	YES*	YES*
37.375	72	31.75	32	13.3	33.825	32.332	7.6	13.281	YES*	YES*	32.250	7.6	13.5	YES*	YES*
37.375	76	31.75	34	14.1	33.825	34.332	8.1	9.281	YES*	YES*	34.250	8.0	9.5	YES*	YES*
37.375	80	31.75	36	15.0	33.825	36.332	8.5	5.281	YES*	YES*	36.250	8.5	5.5	YES*	YES*
37.375	88	31.75	40	16.7	33.825	40.332	9.5	-2.719	YES*	YES*	40.250	9.5	-2.5	YES*	YES*
37.375	92	31.75	42	17.6	33.825	42.332	9.9	-6.719	YES*	YES*	42.250	9.9	-6.5	YES*	YES*

Values for Cottage apply to both standard and reverse cottages.

*To meet egress, the minimum clear opening width must be 20", minimum clear opening height must be 24", minimum clear opening square feet must be 5.7, and minimum subfloor to sill height must be 44".

Note: If on ground floor, the square feet of clear opening need only be 5.0.

Continued on next page

CLEAR OPENING AND DAYLIGHT SPECIFICATIONS

Double-Hung Units

Unit		Glass		Daylight Opening (sq.ft.)	Clear Opg. Width (in.)	DP35					DP50				
						Clear Opening		Subfloor to Top of Sill Height	Egress		Clear Opening		Subfloor to Top of Sill Height	Egress	
						Height (in.)	Area (sq.ft.)		At 5.0 sq.ft.	At 5.7 sq.ft.	Height (in.)	Area (sq.ft.)		At 5.0 sq.ft.	At 5.7 sq.ft.
41.375	32	35.75	12	5.3	37.825	12.332	3.2	53.281	NO	NO	12.250	3.2	53.5	NO	NO
41.375	36	35.75	14	6.3	37.825	14.332	3.8	49.281	NO	NO	14.250	3.7	49.5	NO	NO
41.375	40	35.75	16	7.3	37.825	16.332	4.3	45.281	NO	NO	16.250	4.3	45.5	NO	NO
41.375	44	35.75	18	8.2	37.825	18.332	4.8	41.281	NO	NO	18.250	4.8	41.5	NO	NO
41.375	48	35.75	20	9.2	37.825	20.332	5.3	37.281	NO	NO	20.250	5.3	37.5	NO	NO
41.375	52	35.75	22	10.2	37.825	22.332	5.9	33.281	NO	NO	22.250	5.8	33.5	NO	NO
41.375	56	35.75	24	11.2	37.825	24.332	6.4	29.281	YES*	YES*	24.250	6.4	29.5	YES*	YES*
41.375	60	35.75	26	12.1	37.825	26.332	6.9	25.281	YES*	YES*	26.250	6.9	25.5	YES*	YES*
41.375	64	35.75	28	13.1	37.825	28.332	7.4	21.281	YES*	YES*	28.250	7.4	21.5	YES*	YES*
41.375	68	35.75	30	14.1	37.825	30.332	8.0	17.281	YES*	YES*	30.250	7.9	17.5	YES*	YES*
41.375	68 Cottage	35.75	24 / 36	14.1	37.825	24.332	6.4	17.281	YES*	YES*	24.250	6.4	17.5	YES*	YES*
41.375	72	35.75	32	15.0	37.825	32.332	8.5	13.281	YES*	YES*	32.250	8.5	13.5	YES*	YES*
41.375	76	35.75	34	16.0	37.825	34.332	9.0	9.281	YES*	YES*	34.250	9.0	9.5	YES*	YES*
41.375	80	35.75	36	17.0	37.825	36.332	9.5	5.281	YES*	YES*	36.250	9.5	5.5	YES*	YES*
41.375	88	35.75	40	18.9	37.825	40.332	10.6	-2.719	YES*	YES*	40.250	10.6	-2.5	YES*	YES*
41.375	92	35.75	42	19.9	37.825	42.332	11.1	-6.719	YES*	YES*	42.250	11.1	-6.5	YES*	YES*
45.375	32	39.75	12	6.0	41.825	12.332	3.6	53.281	NO	NO	12.250	3.6	53.5	NO	NO
45.375	36	39.75	14	7.0	41.825	14.332	4.2	49.281	NO	NO	14.250	4.1	49.5	NO	NO
45.375	40	39.75	16	8.1	41.825	16.332	4.7	45.281	NO	NO	16.250	4.7	45.5	NO	NO
45.375	44	39.75	18	9.2	41.825	18.332	5.3	41.281	NO	NO	18.250	5.3	41.5	NO	NO
45.375	48	39.75	20	10.3	41.825	20.332	5.9	37.281	NO	NO	20.250	5.9	37.5	NO	NO
45.375	52	39.75	22	11.4	41.825	22.332	6.5	33.281	NO	NO	22.250	6.5	33.5	NO	NO
45.375	56	39.75	24	12.4	41.825	24.332	7.1	29.281	YES*	YES*	24.250	7.0	29.5	YES*	YES*
45.375	60	39.75	26	13.5	41.825	26.332	7.6	25.281	YES*	YES*	26.250	7.6	25.5	YES*	YES*
45.375	64	39.75	28	14.6	41.825	28.332	8.2	21.281	YES*	YES*	28.250	8.2	21.5	YES*	YES*
45.375	68	39.75	30	15.7	41.825	30.332	8.8	17.281	YES*	YES*	30.250	8.8	17.5	YES*	YES*
45.375	68 Cottage	39.75	24 / 36	15.7	41.825	24.332	7.1	17.281	YES*	YES*	24.250	7.0	17.5	YES*	YES*
45.375	72	39.75	32	16.7	41.825	32.332	9.4	13.281	YES*	YES*	32.250	9.4	13.5	YES*	YES*
45.375	76	39.75	34	17.8	41.825	34.332	10.0	9.281	YES*	YES*	34.250	9.9	9.5	YES*	YES*
45.375	80	39.75	36	18.9	41.825	36.332	10.6	5.281	YES*	YES*	36.250	10.5	5.5	YES*	YES*
45.375	88	39.75	40	21.1	41.825	40.332	11.7	-2.719	YES*	YES*	40.250	11.7	-2.5	YES*	YES*
45.375	92	39.75	42	22.1	41.825	42.332	12.3	-6.719	YES*	YES*	42.250	12.3	-6.5	YES*	YES*

Values for Cottage apply to both standard and reverse cottages.

*To meet egress, the minimum clear opening width must be 20", minimum clear opening height must be 24", minimum clear opening square feet must be 5.7, and minimum subfloor to sill height must be 44".

Note: If on ground floor, the square feet of clear opening need only be 5.0.

CLEAR OPENING AND DAYLIGHT SPECIFICATIONS

Double-Hung Units with Phantom Screen

Unit		Glass		Daylight Opening (sq.ft.)	Clear Opp. Width (in.)	DP35					DP50				
						Clear Opening		Subfloor to Top of Sill Height	Egress		Clear Opening		Subfloor to Top of Sill Height	Egress	
						Height (in.)	Area (sq.ft.)		At 5.0 sq.ft.	At 5.7 sq.ft.	Height (in.)	Area (sq.ft.)		At 5.0 sq.ft.	At 5.7 sq.ft.
21.375	32	15.75	12	2.3	17.487	12.332	1.5	53.281	NO	NO	12.250	1.5	53.5	NO	NO
21.375	36	15.75	14	2.7	17.487	14.332	1.7	49.281	NO	NO	14.250	1.7	49.5	NO	NO
21.375	40	15.75	16	3.1	17.487	16.332	2.0	45.281	NO	NO	16.250	2.0	45.5	NO	NO
21.375	44	15.75	18	3.5	17.487	18.332	2.2	41.281	NO	NO	18.250	2.2	41.5	NO	NO
21.375	48	15.75	20	3.9	17.487	20.332	2.5	37.281	NO	NO	20.250	2.5	37.5	NO	NO
21.375	52	15.75	22	4.3	17.487	22.332	2.7	33.281	NO	NO	22.250	2.7	33.5	NO	NO
21.375	56	15.75	24	4.7	17.487	24.332	3.0	29.281	NO	NO	24.250	2.9	29.5	NO	NO
21.375	60	15.75	26	5.2	17.487	26.332	3.2	25.281	NO	NO	26.250	3.2	25.5	NO	NO
21.375	64	15.75	28	5.6	17.487	28.332	3.4	21.281	NO	NO	28.250	3.4	21.5	NO	NO
21.375	68	15.75	30	6.0	17.487	30.332	3.7	17.281	NO	NO	30.250	3.7	17.5	NO	NO
21.375	68/Cottage	15.75	24 / 36	6.0	17.487	24.332	3.0	17.281	NO	NO	24.250	2.9	17.5	NO	NO
21.375	72	15.75	32	6.4	17.487	32.332	3.9	13.281	NO	NO	32.250	3.9	13.5	NO	NO
21.375	76	15.75	34	6.8	17.487	34.332	4.2	9.281	NO	NO	34.250	4.2	9.5	NO	NO
21.375	80	15.75	36	7.2	17.487	36.332	4.4	5.281	NO	NO	36.250	4.4	5.5	NO	NO
21.375	88	15.75	40	8.0	17.487	40.332	4.9	-2.719	NO	NO	40.250	4.9	-2.5	NO	NO
21.375	92	15.75	42	8.4	17.487	42.332	5.1	-6.719	NO	NO	42.250	5.1	-6.5	NO	NO
25.375	32	19.75	12	2.9	21.487	12.332	1.8	53.281	NO	NO	12.250	1.8	53.5	NO	NO
25.375	36	19.75	14	3.4	21.487	14.332	2.1	49.281	NO	NO	14.250	2.1	49.5	NO	NO
25.375	40	19.75	16	3.9	21.487	16.332	2.4	45.281	NO	NO	16.250	2.4	45.5	NO	NO
25.375	44	19.75	18	4.5	21.487	18.332	2.7	41.281	NO	NO	18.250	2.7	41.5	NO	NO
25.375	48	19.75	20	5.0	21.487	20.332	3.0	37.281	NO	NO	20.250	3.0	37.5	NO	NO
25.375	52	19.75	22	5.5	21.487	22.332	3.3	33.281	NO	NO	22.250	3.3	33.5	NO	NO
25.375	56	19.75	24	6.0	21.487	24.332	3.6	29.281	NO	NO	24.250	3.6	29.5	NO	NO
25.375	60	19.75	26	6.5	21.487	26.332	3.9	25.281	NO	NO	26.250	3.9	25.5	NO	NO
25.375	64	19.75	28	7.1	21.487	28.332	4.2	21.281	NO	NO	28.250	4.2	21.5	NO	NO
25.375	68	19.75	30	7.6	21.487	30.332	4.5	17.281	NO	NO	30.250	4.5	17.5	NO	NO
25.375	68/Cottage	19.75	24 / 36	7.6	21.487	24.332	3.6	17.281	NO	NO	24.250	3.6	17.5	NO	NO
25.375	72	19.75	32	8.1	21.487	32.332	4.8	13.281	NO	NO	32.250	4.8	13.5	NO	NO
25.375	76	19.75	34	8.6	21.487	34.332	5.1	9.281	YES*	NO	34.250	5.1	9.5	YES*	NO
25.375	80	19.75	36	9.2	21.487	36.332	5.4	5.281	YES*	NO	36.250	5.4	5.5	YES*	NO
25.375	88	19.75	40	10.2	21.487	40.332	6.0	-2.719	YES*	YES*	40.250	6.0	-2.5	YES*	YES*
25.375	92	19.75	42	10.7	21.487	42.332	6.3	-6.719	YES*	YES*	42.250	6.3	-6.5	YES*	YES*
29.375	32	23.75	12	3.5	25.487	12.332	2.2	53.281	NO	NO	12.250	2.2	53.5	NO	NO
29.375	36	23.75	14	4.1	25.487	14.332	2.5	49.281	NO	NO	14.250	2.5	49.5	NO	NO
29.375	40	23.75	16	4.8	25.487	16.332	2.9	45.281	NO	NO	16.250	2.9	45.5	NO	NO
29.375	44	23.75	18	5.4	25.487	18.332	3.2	41.281	NO	NO	18.250	3.2	41.5	NO	NO
29.375	48	23.75	20	6.0	25.487	20.332	3.6	37.281	NO	NO	20.250	3.6	37.5	NO	NO
29.375	52	23.75	22	6.7	25.487	22.332	4.0	33.281	NO	NO	22.250	3.9	33.5	NO	NO
29.375	56	23.75	24	7.3	25.487	24.332	4.3	29.281	NO	NO	24.250	4.3	29.5	NO	NO
29.375	60	23.75	26	7.9	25.487	26.332	4.7	25.281	NO	NO	26.250	4.6	25.5	NO	NO
29.375	64	23.75	28	8.6	25.487	28.332	5.0	21.281	YES*	NO	28.250	5.0	21.5	YES*	NO
29.375	68	23.75	30	9.2	25.487	30.332	5.4	17.281	YES*	NO	30.250	5.4	17.5	YES*	NO
29.375	68/Cottage	23.75	24 / 36	9.2	25.487	24.332	4.3	17.281	NO	NO	24.250	4.3	17.5	NO	NO
29.375	72	23.75	32	9.8	25.487	32.332	5.7	13.281	YES*	YES*	32.250	5.7	13.5	YES*	YES*
29.375	76	23.75	34	10.5	25.487	34.332	6.1	9.281	YES*	YES*	34.250	6.1	9.5	YES*	YES*
29.375	80	23.75	36	11.1	25.487	36.332	6.4	5.281	YES*	YES*	36.250	6.4	5.5	YES*	YES*
29.375	88	23.75	40	12.4	25.487	40.332	7.1	-2.719	YES*	YES*	40.250	7.1	-2.5	YES*	YES*
29.375	92	23.75	42	13.0	25.487	42.332	7.5	-6.719	YES*	YES*	42.250	7.5	-6.5	YES*	YES*

Values for Cottage apply to both standard and reverse cottages.

*To meet egress, the minimum clear opening width must be 20", minimum clear opening height must be 24", minimum clear opening square feet must be 5.7, and minimum subfloor to sill height must be 44".

Note: If on ground floor, the square feet of clear opening need only be 5.0.

CLEAR OPENING AND DAYLIGHT SPECIFICATIONS

Double-Hung Units with Phantom Screen

Unit		Glass		Daylight Opening (sq.ft.)	Clear Opp. Width (in.)	DP35					DP50				
						Clear Opening		Subfloor to Top of Sill Height	Egress		Clear Opening		Subfloor to Top of Sill Height	Egress	
						Height (in.)	Area (sq.ft.)		At 5.0 sq.ft.	At 5.7 sq.ft.	Height (in.)	Area (sq.ft.)		At 5.0 sq.ft.	At 5.7 sq.ft.
31.375	32	25.75	12	3.8	27.487	12.332	2.4	53.281	NO	NO	12.250	2.3	53.5	NO	NO
31.375	36	25.75	14	4.5	27.487	14.332	2.7	49.281	NO	NO	14.250	2.7	49.5	NO	NO
31.375	40	25.75	16	5.2	27.487	16.332	3.1	45.281	NO	NO	16.250	3.1	45.5	NO	NO
31.375	44	25.75	18	5.9	27.487	18.332	3.5	41.281	NO	NO	18.250	3.5	41.5	NO	NO
31.375	48	25.75	20	6.6	27.487	20.332	3.9	37.281	NO	NO	20.250	3.9	37.5	NO	NO
31.375	52	25.75	22	7.3	27.487	22.332	4.3	33.281	NO	NO	22.250	4.2	33.5	NO	NO
31.375	56	25.75	24	7.9	27.487	24.332	4.6	29.281	NO	NO	24.250	4.6	29.5	NO	NO
31.375	60	25.75	26	8.6	27.487	26.332	5.0	25.281	YES*	NO	26.250	5.0	25.5	YES*	NO
31.375	64	25.75	28	9.3	27.487	28.332	5.4	21.281	YES*	NO	28.250	5.4	21.5	YES*	NO
31.375	68	25.75	30	10.0	27.487	30.332	5.8	17.281	YES*	YES*	30.250	5.8	17.5	YES*	YES*
31.375	68/Cottage	25.75	24 / 36	10.0	27.487	24.332	4.6	17.281	NO	NO	24.250	4.6	17.5	NO	NO
31.375	72	25.75	32	10.7	27.487	32.332	6.2	13.281	YES*	YES*	32.250	6.2	13.5	YES*	YES*
31.375	76	25.75	34	11.4	27.487	34.332	6.6	9.281	YES*	YES*	34.250	6.5	9.5	YES*	YES*
31.375	80	25.75	36	12.1	27.487	36.332	6.9	5.281	YES*	YES*	36.250	6.9	5.5	YES*	YES*
31.375	88	25.75	40	13.5	27.487	40.332	7.7	-2.719	YES*	YES*	40.250	7.7	-2.5	YES*	YES*
31.375	92	25.75	42	14.2	27.487	42.332	8.1	-6.719	YES*	YES*	42.250	8.1	-6.5	YES*	YES*
33.375	32	27.75	12	4.1	29.487	12.332	2.5	53.281	NO	NO	12.250	2.5	53.5	NO	NO
33.375	36	27.75	14	4.9	29.487	14.332	2.9	49.281	NO	NO	14.250	2.9	49.5	NO	NO
33.375	40	27.75	16	5.6	29.487	16.332	3.3	45.281	NO	NO	16.250	3.3	45.5	NO	NO
33.375	44	27.75	18	6.4	29.487	18.332	3.8	41.281	NO	NO	18.250	3.7	41.5	NO	NO
33.375	48	27.75	20	7.1	29.487	20.332	4.2	37.281	NO	NO	20.250	4.1	37.5	NO	NO
33.375	52	27.75	22	7.8	29.487	22.332	4.6	33.281	NO	NO	22.250	4.6	33.5	NO	NO
33.375	56	27.75	24	8.6	29.487	24.332	5.0	29.281	YES*	NO	24.250	5.0	29.5	YES*	NO
33.375	60	27.75	26	9.3	29.487	26.332	5.4	25.281	YES*	NO	26.250	5.4	25.5	YES*	NO
33.375	64	27.75	28	10.1	29.487	28.332	5.8	21.281	YES*	YES*	28.250	5.8	21.5	YES*	YES*
33.375	68	27.75	30	10.8	29.487	30.332	6.2	17.281	YES*	YES*	30.250	6.2	17.5	YES*	YES*
33.375	68/Cottage	27.75	24 / 36	10.8	29.487	24.332	5.0	17.281	YES*	NO	24.250	5.0	17.5	YES*	NO
33.375	72	27.75	32	11.6	29.487	32.332	6.6	13.281	YES*	YES*	32.250	6.6	13.5	YES*	YES*
33.375	76	27.75	34	12.3	29.487	34.332	7.0	9.281	YES*	YES*	34.250	7.0	9.5	YES*	YES*
33.375	80	27.75	36	13.1	29.487	36.332	7.4	5.281	YES*	YES*	36.250	7.4	5.5	YES*	YES*
33.375	88	27.75	40	14.5	29.487	40.332	8.3	-2.719	YES*	YES*	40.250	8.2	-2.5	YES*	YES*
33.375	92	27.75	42	15.3	29.487	42.332	8.7	-6.719	YES*	YES*	42.250	8.7	-6.5	YES*	YES*
37.375	32	31.75	12	4.7	33.487	12.332	2.9	53.281	NO	NO	12.250	2.8	53.5	NO	NO
37.375	36	31.75	14	5.6	33.487	14.332	3.3	49.281	NO	NO	14.250	3.3	49.5	NO	NO
37.375	40	31.75	16	6.4	33.487	16.332	3.8	45.281	NO	NO	16.250	3.8	45.5	NO	NO
37.375	44	31.75	18	7.3	33.487	18.332	4.3	41.281	NO	NO	18.250	4.2	41.5	NO	NO
37.375	48	31.75	20	8.2	33.487	20.332	4.7	37.281	NO	NO	20.250	4.7	37.5	NO	NO
37.375	52	31.75	22	9.0	33.487	22.332	5.2	33.281	NO	NO	22.250	5.2	33.5	NO	NO
37.375	56	31.75	24	9.9	33.487	24.332	5.7	29.281	YES*	YES*	24.250	5.6	29.5	YES*	NO
37.375	60	31.75	26	10.7	33.487	26.332	6.1	25.281	YES*	YES*	26.250	6.1	25.5	YES*	YES*
37.375	64	31.75	28	11.6	33.487	28.332	6.6	21.281	YES*	YES*	28.250	6.6	21.5	YES*	YES*
37.375	68	31.75	30	12.4	33.487	30.332	7.1	17.281	YES*	YES*	30.250	7.0	17.5	YES*	YES*
37.375	68/Cottage	31.75	24 / 36	12.4	33.487	24.332	5.7	17.281	YES*	YES*	24.250	5.6	17.5	YES*	NO
37.375	72	31.75	32	13.3	33.487	32.332	7.5	13.281	YES*	YES*	32.250	7.5	13.5	YES*	YES*
37.375	76	31.75	34	14.1	33.487	34.332	8.0	9.281	YES*	YES*	34.250	8.0	9.5	YES*	YES*
37.375	80	31.75	36	15.0	33.487	36.332	8.4	5.281	YES*	YES*	36.250	8.4	5.5	YES*	YES*
37.375	88	31.75	40	16.7	33.487	40.332	9.4	-2.719	YES*	YES*	40.250	9.4	-2.5	YES*	YES*
37.375	92	31.75	42	17.6	33.487	42.332	9.8	-6.719	YES*	YES*	42.250	9.8	-6.5	YES*	YES*

Values for Cottage apply to both standard and reverse cottages.

*To meet egress, the minimum clear opening width must be 20", minimum clear opening height must be 24", minimum clear opening square feet must be 5.7, and minimum subfloor to sill height must be 44".

Note: If on ground floor, the square feet of clear opening need only be 5.0.

CLEAR OPENING AND DAYLIGHT SPECIFICATIONS

Double-Hung Units with Phantom Screen

Unit		Glass		Daylight Opening (sq.ft.)	Clear Opg. Width (in.)	DP35					DP50				
						Clear Opening		Subfloor to Top of Sill Height	Egress		Clear Opening		Subfloor to Top of Sill Height	Egress	
						Height (in.)	Area (sq.ft.)		At 5.0 sq.ft.	At 5.7 sq.ft.	Height (in.)	Area (sq.ft.)		At 5.0 sq.ft.	At 5.7 sq.ft.
41.375	32	35.75	12	5.3	37.487	12.332	3.2	53.281	NO	NO	12.250	3.2	53.5	NO	NO
41.375	36	35.75	14	6.3	37.487	14.332	3.7	49.281	NO	NO	14.250	3.7	49.5	NO	NO
41.375	40	35.75	16	7.3	37.487	16.332	4.3	45.281	NO	NO	16.250	4.2	45.5	NO	NO
41.375	44	35.75	18	8.2	37.487	18.332	4.8	41.281	NO	NO	18.250	4.8	41.5	NO	NO
41.375	48	35.75	20	9.2	37.487	20.332	5.3	37.281	NO	NO	20.250	5.3	37.5	NO	NO
41.375	52	35.75	22	10.2	37.487	22.332	5.8	33.281	NO	NO	22.250	5.8	33.5	NO	NO
41.375	56	35.75	24	11.2	37.487	24.332	6.3	29.281	YES*	YES*	24.250	6.3	29.5	YES*	YES*
41.375	60	35.75	26	12.1	37.487	26.332	6.9	25.281	YES*	YES*	26.250	6.8	25.5	YES*	YES*
41.375	64	35.75	28	13.1	37.487	28.332	7.4	21.281	YES*	YES*	28.250	7.4	21.5	YES*	YES*
41.375	68	35.75	30	14.1	37.487	30.332	7.9	17.281	YES*	YES*	30.250	7.9	17.5	YES*	YES*
41.375	68/Cottage	35.75	24/36	14.1	37.487	24.332	6.3	17.281	YES*	YES*	24.250	6.3	17.5	YES*	YES*
41.375	72	35.75	32	15.0	37.487	32.332	8.4	13.281	YES*	YES*	32.250	8.4	13.5	YES*	YES*
41.375	76	35.75	34	16.0	37.487	34.332	8.9	9.281	YES*	YES*	34.250	8.9	9.5	YES*	YES*
41.375	80	35.75	36	17.0	37.487	36.332	9.5	5.281	YES*	YES*	36.250	9.4	5.5	YES*	YES*
41.375	88	35.75	40	18.9	37.487	40.332	10.5	-2.719	YES*	YES*	40.250	10.5	-2.5	YES*	YES*
41.375	92	35.75	42	19.9	37.487	42.332	11.0	-6.719	YES*	YES*	42.250	11.0	-6.5	YES*	YES*
45.375	32	39.75	12	6.0	41.487	12.332	3.6	53.281	NO	NO	12.250	3.5	53.5	NO	NO
45.375	36	39.75	14	7.0	41.487	14.332	4.1	49.281	NO	NO	14.250	4.1	49.5	NO	NO
45.375	40	39.75	16	8.1	41.487	16.332	4.7	45.281	NO	NO	16.250	4.7	45.5	NO	NO
45.375	44	39.75	18	9.2	41.487	18.332	5.3	41.281	NO	NO	18.250	5.3	41.5	NO	NO
45.375	48	39.75	20	10.3	41.487	20.332	5.9	37.281	NO	NO	20.250	5.8	37.5	NO	NO
45.375	52	39.75	22	11.4	41.487	22.332	6.4	33.281	NO	NO	22.250	6.4	33.5	NO	NO
45.375	56	39.75	24	12.4	41.487	24.332	7.0	29.281	YES*	YES*	24.250	7.0	29.5	YES*	YES*
45.375	60	39.75	26	13.5	41.487	26.332	7.6	25.281	YES*	YES*	26.250	7.6	25.5	YES*	YES*
45.375	64	39.75	28	14.6	41.487	28.332	8.2	21.281	YES*	YES*	28.250	8.1	21.5	YES*	YES*
45.375	68	39.75	30	15.7	41.487	30.332	8.7	17.281	YES*	YES*	30.250	8.7	17.5	YES*	YES*
45.375	68/Cottage	39.75	24/36	15.7	41.487	24.332	7.0	17.281	YES*	YES*	24.250	7.0	17.5	YES*	YES*
45.375	72	39.75	32	16.7	41.487	32.332	9.3	13.281	YES*	YES*	32.250	9.3	13.5	YES*	YES*
45.375	76	39.75	34	17.8	41.487	34.332	9.9	9.281	YES*	YES*	34.250	9.9	9.5	YES*	YES*
45.375	80	39.75	36	18.9	41.487	36.332	10.5	5.281	YES*	YES*	36.250	10.4	5.5	YES*	YES*
45.375	88	39.75	40	21.1	41.487	40.332	11.6	-2.719	YES*	YES*	40.250	11.6	-2.5	YES*	YES*
45.375	92	39.75	42	22.1	41.487	42.332	12.2	-6.719	YES*	YES*	42.250	12.2	-5.5	YES*	YES*

Values for Cottage apply to both standard and reverse cottages.

*To meet egress, the minimum clear opening width must be 20", minimum clear opening height must be 24", minimum clear opening square feet must be 5.7, and minimum subfloor to sill height must be 44".

Note: If on ground floor, the square feet of clear opening need only be 5.0.

CLEAR OPENING AND DAYLIGHT SPECIFICATIONS

Picture Units

Picture Call Size	Daylight Opening		
	Width (in.)	Height (in.)	Area (sq.ft.)
29 36	22.683	28.192	4.4
29 40	22.683	32.192	5.1
29 44	22.683	36.192	5.7
29 48	22.683	40.192	6.3
29 52	22.683	44.192	7.0
29 56	22.683	48.192	7.6
29 60	22.683	52.192	8.2
29 64	22.683	56.192	8.9
29 68	22.683	60.192	9.5
29 72	22.683	64.192	10.1
29 76	22.683	68.192	10.7
29 80	22.683	72.192	11.4
29 88	22.683	80.192	12.6
29 92	22.683	84.192	13.3
31 36	24.683	28.192	4.8
31 40	24.683	32.192	5.5
31 44	24.683	36.192	6.2
31 48	24.683	40.192	6.9
31 52	24.683	44.192	7.6
31 56	24.683	48.192	8.3
31 60	24.683	52.192	8.9
31 64	24.683	56.192	9.6
31 68	24.683	60.192	10.3
31 72	24.683	64.192	11.0
31 76	24.683	68.192	11.7
31 80	24.683	72.192	12.4
31 88	24.683	80.192	13.7
31 92	24.683	84.192	14.4
33 36	26.683	28.192	5.2
33 40	26.683	32.192	6.0
33 44	26.683	36.192	6.7
33 48	26.683	40.192	7.4
33 52	26.683	44.192	8.2
33 56	26.683	48.192	8.9
33 60	26.683	52.192	9.7
33 64	26.683	56.192	10.4
33 68	26.683	60.192	11.2
33 72	26.683	64.192	11.9
33 76	26.683	68.192	12.6
33 80	26.683	72.192	13.4
33 88	26.683	80.192	14.9
33 92	26.683	84.192	15.6
37 36	30.683	28.192	6.0
37 40	30.683	32.192	6.9
37 44	30.683	36.192	7.7
37 48	30.683	40.192	8.6
37 52	30.683	44.192	9.4
37 56	30.683	48.192	10.3
37 60	30.683	52.192	11.1
37 64	30.683	56.192	12.0
37 68	30.683	60.192	12.8
37 72	30.683	64.192	13.7
37 76	30.683	68.192	14.5
37 80	30.683	72.192	15.4
37 88	30.683	80.192	17.1
37 92	30.683	84.192	17.9

Picture Call Size	Daylight Opening		
	Width (in.)	Height (in.)	Area (sq.ft.)
41 36	34.683	28.192	6.8
41 40	34.683	32.192	7.8
41 44	34.683	36.192	8.7
41 48	34.683	40.192	9.7
41 52	34.683	44.192	10.6
41 56	34.683	48.192	11.6
41 60	34.683	52.192	12.6
41 64	34.683	56.192	13.5
41 68	34.683	60.192	14.5
41 72	34.683	64.192	15.5
41 76	34.683	68.192	16.4
41 80	34.683	72.192	17.4
41 88	34.683	80.192	19.3
41 92	34.683	84.192	20.3
45 36	38.683	28.192	7.6
45 40	38.683	32.192	8.6
45 44	38.683	36.192	9.7
45 48	38.683	40.192	10.8
45 52	38.683	44.192	11.9
45 56	38.683	48.192	12.9
45 60	38.683	52.192	14.0
45 64	38.683	56.192	15.1
45 68	38.683	60.192	16.2
45 72	38.683	64.192	17.2
45 76	38.683	68.192	18.3
45 80	38.683	72.192	19.4
45 88	38.683	80.192	21.5
45 92	38.683	84.192	22.6
49 36	42.683	28.192	8.4
49 40	42.683	32.192	9.5
49 44	42.683	36.192	10.7
49 48	42.683	40.192	11.9
49 52	42.683	44.192	13.1
49 56	42.683	48.192	14.3
49 60	42.683	52.192	15.5
49 64	42.683	56.192	16.7
49 68	42.683	60.192	17.8
49 72	42.683	64.192	19.0
49 76	42.683	68.192	20.2
49 80	42.683	72.192	21.4
53 36	46.683	28.192	9.1
53 40	46.683	32.192	10.4
53 44	46.683	36.192	11.7
53 48	46.683	40.192	13.0
53 52	46.683	44.192	14.3
53 56	46.683	48.192	15.6
53 60	46.683	52.192	16.9
53 64	46.683	56.192	18.2
53 68	46.683	60.192	19.5
53 72	46.683	64.192	20.8
53 76	46.683	68.192	22.1
53 80	46.683	72.192	23.4

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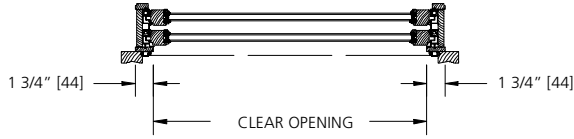
CLEAR OPENING AND DAYLIGHT SPECIFICATIONS

Picture Units

Picture Call Size	Daylight Opening		
	Width (in.)	Height (in.)	Area (sq.ft.)
61 36	54.683	28.192	10.7
61 40	54.683	32.192	12.2
61 44	54.683	36.192	13.7
61 48	54.683	40.192	15.3
61 52	54.683	44.192	16.8
61 56	54.683	48.192	18.3
61 60	54.683	52.192	19.8
61 64	54.683	56.192	21.3
61 68	54.683	60.192	22.9
61 72	54.683	64.192	24.4
61 76	54.683	68.192	25.9
61 80	54.683	72.192	27.4
69 36	62.683	28.192	12.3
69 40	62.683	32.192	14.0
69 44	62.683	36.192	15.8
69 48	62.683	40.192	17.5
69 52	62.683	44.192	19.2
69 56	62.683	48.192	21.0
69 60	62.683	52.192	22.7
69 64	62.683	56.192	24.5
69 68	62.683	60.192	26.2
69 72	62.683	64.192	27.9
69 76	62.683	68.192	29.7
69 80	62.683	72.192	31.4

Picture Call Size	Daylight Opening		
	Width (in.)	Height (in.)	Area (sq.ft.)
77 36	70.683	28.192	13.8
77 40	70.683	32.192	15.8
77 44	70.683	36.192	17.8
77 48	70.683	40.192	19.7
77 52	70.683	44.192	21.7
77 56	70.683	48.192	23.7
77 60	70.683	52.192	25.6
77 64	70.683	56.192	27.6
77 68	70.683	60.192	29.5
77 72	70.683	64.192	31.5
77 76	70.683	68.192	33.5
77 80	70.683	72.192	35.4

**CLEAR OPENING INFORMATION
SECTOR TOP SINGLE-HUNG**



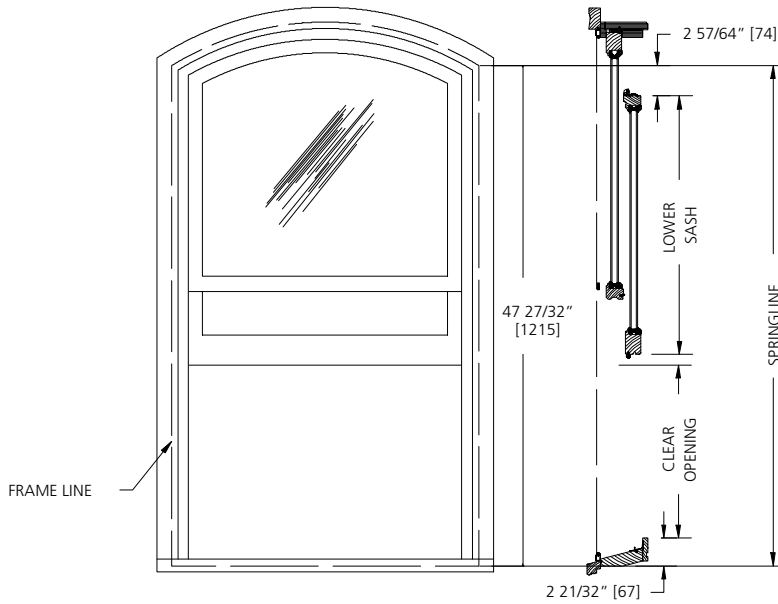
SINGLE-HUNG CLEAR OPENING FORMULA:

VERTICAL

Springline - (Lower Sash + 5 13/16") = Clear Opening

HORIZONTAL

Frame - 3 9/16" = Clear Opening



SINGLE-HUNG WINDOW

CLEAR OPENING AND DAYLIGHT SPECIFICATIONS

Sector Top Units

Unit		Glass		Daylight Opening (sq.ft.)	Clear Opg. Width (in.)	DP35					DP50				
						Clear Opening		Subfloor to Top of Sill Height	Egress		Clear Opening		Subfloor to Top of Sill Height	Egress	
						Height (in.)	Area (sq.ft.)		At 5.0 sq.ft.	At 5.7 sq.ft.	Height (in.)	Area (sq.ft.)		At 5.0 sq.ft.	At 5.7 sq.ft.
25.375	56	19.75	24.25 / 24	5.9	21.825	19.562	3.0	29.281	NO	NO	19.344	2.9	29.5	NO	NO
25.375	60	19.75	26.25 / 26	6.2	21.825	21.562	3.3	25.281	NO	NO	21.344	3.2	25.5	NO	NO
25.375	64	19.75	28.25 / 28	6.4	21.825	23.562	3.6	21.281	NO	NO	23.344	3.5	21.5	NO	NO
25.375	68	19.75	30.25 / 30	6.7	21.825	25.562	3.9	17.281	NO	NO	25.344	3.8	17.5	NO	NO
25.375	72	19.75	32.25 / 32	6.9	21.825	27.562	4.2	13.281	NO	NO	27.344	4.1	13.5	NO	NO
29.375	56	23.75	24.25 / 24	7.1	25.825	19.562	3.5	29.281	NO	NO	19.344	3.5	29.5	NO	NO
29.375	60	23.75	26.25 / 26	7.5	25.825	21.562	3.9	25.281	NO	NO	21.344	3.8	25.5	NO	NO
29.375	64	23.75	28.25 / 28	7.8	25.825	23.562	4.2	21.281	NO	NO	23.344	4.2	21.5	NO	NO
29.375	68	23.75	30.25 / 30	8.1	25.825	25.562	4.6	17.281	NO	NO	25.344	4.5	17.5	NO	NO
29.375	72	23.75	32.25 / 32	8.4	25.825	27.562	4.9	13.281	NO	NO	27.344	4.9	13.5	NO	NO
31.375	56	25.75	24.25 / 24	7.8	27.825	19.562	3.8	29.281	NO	NO	19.344	3.7	29.5	NO	NO
31.375	60	25.75	26.25 / 26	8.1	27.825	21.562	4.2	25.281	NO	NO	21.344	4.1	25.5	NO	NO
31.375	64	25.75	28.25 / 28	8.4	27.825	23.562	4.6	21.281	NO	NO	23.344	4.5	21.5	NO	NO
31.375	68	25.75	30.25 / 30	8.8	27.825	25.562	4.9	17.281	NO	NO	25.344	4.9	17.5	NO	NO
31.375	72	25.75	32.25 / 32	9.1	27.825	27.562	5.3	13.281	YES*	NO	27.344	5.3	13.5	YES*	NO
33.375	56	27.75	24.25 / 24	8.4	29.825	19.562	4.1	29.281	NO	NO	19.344	4.0	29.5	NO	NO
33.375	60	27.75	26.25 / 26	8.7	29.825	21.562	4.5	25.281	NO	NO	21.344	4.4	25.5	NO	NO
33.375	64	27.75	28.25 / 28	9.1	29.825	23.562	4.9	21.281	NO	NO	23.344	4.8	21.5	NO	NO
33.375	68	27.75	30.25 / 30	9.5	29.825	25.562	5.3	17.281	YES*	NO	25.344	5.2	17.5	YES*	NO
33.375	72	27.75	32.25 / 32	9.9	29.825	27.562	5.7	13.281	YES*	YES*	27.344	5.7	13.5	YES*	YES*
37.375	56	31.75	24.25 / 24	9.6	33.825	19.562	4.6	29.281	NO	NO	19.344	4.5	29.5	NO	NO
37.375	60	31.75	26.25 / 26	10.0	33.825	21.562	5.1	25.281	NO	NO	21.344	5.0	25.5	NO	NO
37.375	64	31.75	28.25 / 28	10.5	33.825	23.562	5.5	21.281	NO	NO	23.344	5.5	21.5	NO	NO
37.375	68	31.75	30.25 / 30	10.9	33.825	25.562	6.0	17.281	YES*	YES*	25.344	6.0	17.5	YES*	YES*
37.375	72	31.75	32.25 / 32	11.3	33.825	27.562	6.5	13.281	YES*	YES*	27.344	6.4	13.5	YES*	YES*
41.375	56	35.75	24.25 / 24	10.9	37.825	19.562	5.1	29.281	NO	NO	19.344	5.1	29.5	NO	NO
41.375	60	35.75	26.25 / 26	11.3	37.825	21.562	5.7	25.281	NO	NO	21.344	5.6	25.5	NO	NO
41.375	64	35.75	28.25 / 28	11.8	37.825	23.562	6.2	21.281	NO	NO	23.344	6.1	21.5	NO	NO
41.375	68	35.75	30.25 / 30	12.3	37.825	25.562	6.7	17.281	YES*	YES*	25.344	6.7	17.5	YES*	YES*
41.375	72	35.75	32.25 / 32	12.8	37.825	27.562	7.2	13.281	YES*	YES*	27.344	7.2	13.5	YES*	YES*
45.375	56	39.75	24.25 / 24	12.1	41.825	19.562	5.7	29.281	NO	NO	19.344	5.6	29.5	NO	NO
45.375	60	39.75	26.25 / 26	12.6	41.825	21.562	6.3	25.281	NO	NO	21.344	6.2	25.5	NO	NO
45.375	64	39.75	28.25 / 28	13.2	41.825	23.562	6.8	21.281	NO	NO	23.344	6.8	21.5	NO	NO
45.375	68	39.75	30.25 / 30	13.7	41.825	25.562	7.4	17.281	YES*	YES*	25.344	7.4	17.5	YES*	YES*
45.375	72	39.75	32.25 / 32	14.2	41.825	27.562	8.0	13.281	YES*	YES*	27.344	7.9	13.5	YES*	YES*

*To meet egress, the minimum clear opening width must be 20", minimum clear opening height must be 24", minimum clear opening square feet must be 5.7, and minimum subfloor to sill height must be 44".

Note: If on ground floor, the square feet of clear opening need only be 5.0.

CLEAR OPENING AND DAYLIGHT SPECIFICATIONS

Twin Sector Top Units

Unit		Glass		Daylight Opening (sq.ft.)	Clear Opp. Width (in.)	DP35					DP50				
						Clear Opening		Subfloor to Top of Sill Height	Egress		Clear Opening		Subfloor to Top of Sill Height	Egress	
						Height (in.)	Area (sq.ft.)		At 5.0 sq.ft.	At 5.7 sq.ft.	Height (in.)	Area (sq.ft.)		At 5.0 sq.ft.	At 5.7 sq.ft.
25.375	56	19.75	24.25 / 24	5.9	21.825	16.992	2.6	29.281	NO	NO	16.773	2.5	29.5	NO	NO
25.375	60	19.75	26.25 / 26	6.4	21.825	18.922	2.9	25.281	NO	NO	18.703	2.8	25.5	NO	NO
25.375	68	19.75	30.25 / 30	7.2	21.825	22.922	3.5	17.281	NO	NO	22.703	3.4	17.5	NO	NO
25.375	72	19.75	32.25 / 32	7.8	21.825	24.922	3.8	13.281	NO	NO	24.703	3.7	13.5	NO	NO
29.375	56	23.75	24.25 / 24	7.1	25.825	13.642	2.4	29.281	NO	NO	13.423	2.4	29.5	NO	NO
29.375	60	23.75	26.25 / 26	7.7	25.825	15.642	2.8	25.281	NO	NO	15.423	2.8	25.5	NO	NO
29.375	68	23.75	30.25 / 30	9.0	25.825	19.642	3.5	17.281	NO	NO	19.423	3.5	17.5	NO	NO
29.375	72	23.75	32.25 / 32	9.7	25.825	21.642	3.9	13.281	NO	NO	21.423	3.8	13.5	NO	NO
33.375	56	27.75	24.25 / 24	8.3	29.825	9.221	1.9	29.281	NO	NO	9.002	1.9	29.5	NO	NO
33.375	60	27.75	26.25 / 26	9.1	29.825	11.221	2.3	25.281	NO	NO	11.002	2.3	25.5	NO	NO
33.375	68	27.75	30.25 / 30	10.6	29.825	15.221	3.2	17.281	NO	NO	15.002	3.1	17.5	NO	NO
33.375	72	27.75	32.25 / 32	11.3	29.825	17.221	3.6	13.281	NO	NO	17.002	3.5	13.5	NO	NO
37.375	56	31.75	24.25 / 24	9.5	33.825	2.979	0.7	29.281	NO	NO	2.76	0.6	29.5	NO	NO
37.375	60	31.75	26.25 / 26	10.4	33.825	4.979	1.2	25.281	NO	NO	4.76	1.1	25.5	NO	NO
37.375	68	31.75	30.25 / 30	12.1	33.825	8.979	2.1	17.281	NO	NO	8.76	2.1	17.5	NO	NO
37.375	72	31.75	32.25 / 32	13.0	33.825	10.979	2.6	13.281	NO	NO	10.76	2.5	13.5	NO	NO

CLEAR OPENING AND DAYLIGHT SPECIFICATIONS

Full Radius Units

Unit		Glass		Daylight Opening (sq.ft.)	Clear Opg. Width (in.)	DP35					DP50				
						Clear Opening		Subfloor to Top of Sill Height	Egress		Clear Opening		Subfloor to Top of Sill Height	Egress	
						Height (in.)	Area (sq.ft.)		At 5.0 sq.ft.	At 5.7 sq.ft.	Height (in.)	Area (sq.ft.)		At 5.0 sq.ft.	At 5.7 sq.ft.
29.375	56	23.75	24.25 / 24	7.0	25.825	11.455	2.1	29.281	NO	NO	11.236	2.0	29.5	NO	NO
29.375	60	23.75	26.25 / 26	7.3	25.825	13.455	2.4	25.281	NO	NO	13.236	2.4	25.5	NO	NO
29.375	64	23.75	28.25 / 28	7.7	25.825	15.455	2.8	21.281	NO	NO	15.236	2.7	21.5	NO	NO
29.375	68	23.75	30.25 / 30	8.0	25.825	17.455	3.1	17.281	NO	NO	17.236	3.1	17.5	NO	NO
29.375	72	23.75	32.25 / 32	8.3	25.825	19.455	3.5	13.281	NO	NO	19.236	3.4	13.5	NO	NO
31.375	56	25.75	24.25 / 24	7.6	27.825	10.455	2.0	29.281	NO	NO	10.236	2.0	29.5	NO	NO
31.375	60	25.75	26.25 / 26	7.9	27.825	12.455	2.4	25.281	NO	NO	12.236	2.4	25.5	NO	NO
31.375	64	25.75	28.25 / 28	8.3	27.825	14.455	2.8	21.281	NO	NO	14.236	2.8	21.5	NO	NO
31.375	68	25.75	30.25 / 30	8.6	27.825	16.455	3.2	17.281	NO	NO	16.236	3.1	17.5	NO	NO
31.375	72	25.75	32.25 / 32	9.0	27.825	18.455	3.6	13.281	NO	NO	18.236	3.5	13.5	NO	NO
33.375	56	27.75	24.25 / 24	8.2	29.825	9.455	2.0	29.281	NO	NO	9.236	1.9	29.5	NO	NO
33.375	60	27.75	26.25 / 26	8.5	29.825	11.455	2.4	25.281	NO	NO	11.236	2.3	25.5	NO	NO
33.375	64	27.75	28.25 / 28	8.9	29.825	13.455	2.8	21.281	NO	NO	13.236	2.7	21.5	NO	NO
33.375	68	27.75	30.25 / 30	9.3	29.825	15.455	3.2	17.281	NO	NO	15.236	3.2	17.5	NO	NO
33.375	72	27.75	32.25 / 32	9.6	29.825	17.455	3.6	13.281	NO	NO	17.236	3.6	13.5	NO	NO
37.375	56	31.75	24.25 / 24	9.3	33.825	7.455	1.8	29.281	NO	NO	7.236	1.7	29.5	NO	NO
37.375	60	31.75	26.25 / 26	9.7	33.825	9.455	2.2	25.281	NO	NO	9.236	2.2	25.5	NO	NO
37.375	64	31.75	28.25 / 28	10.1	33.825	11.455	2.7	21.281	NO	NO	11.236	2.6	21.5	NO	NO
37.375	68	31.75	30.25 / 30	10.5	33.825	13.455	3.2	17.281	NO	NO	13.236	3.1	17.5	NO	NO
37.375	72	31.75	32.25 / 32	11.0	33.825	15.455	3.6	13.281	NO	NO	15.236	3.6	13.5	NO	NO
41.375	60	35.75	26.25 / 26	10.8	37.825	7.455	2.0	25.281	NO	NO	7.236	1.9	25.5	NO	NO
41.375	64	35.75	28.25 / 28	11.3	37.825	9.455	2.5	21.281	NO	NO	9.236	2.4	21.5	NO	NO
41.375	68	35.75	30.25 / 30	11.8	37.825	11.455	3.0	17.281	NO	NO	11.236	3.0	17.5	NO	NO
41.375	72	35.75	32.25 / 32	12.3	37.825	13.455	3.5	13.281	NO	NO	13.236	3.5	13.5	NO	NO
45.375	64	39.75	28.25 / 28	12.5	41.825	7.455	2.2	21.281	NO	NO	7.236	2.1	21.5	NO	NO
45.375	68	39.75	30.25 / 30	13.0	41.825	9.455	2.7	17.281	NO	NO	9.236	2.7	17.5	NO	NO
45.375	72	39.75	32.25 / 32	13.6	41.825	11.455	3.3	13.281	NO	NO	11.236	3.3	13.5	NO	NO

*To meet egress, the minimum clear opening width must be 20", minimum clear opening height must be 24", minimum clear opening square feet must be 5.7, and minimum subfloor to sill height must be 44".

Note: If on ground floor, the square feet of clear opening need only be 5.0.

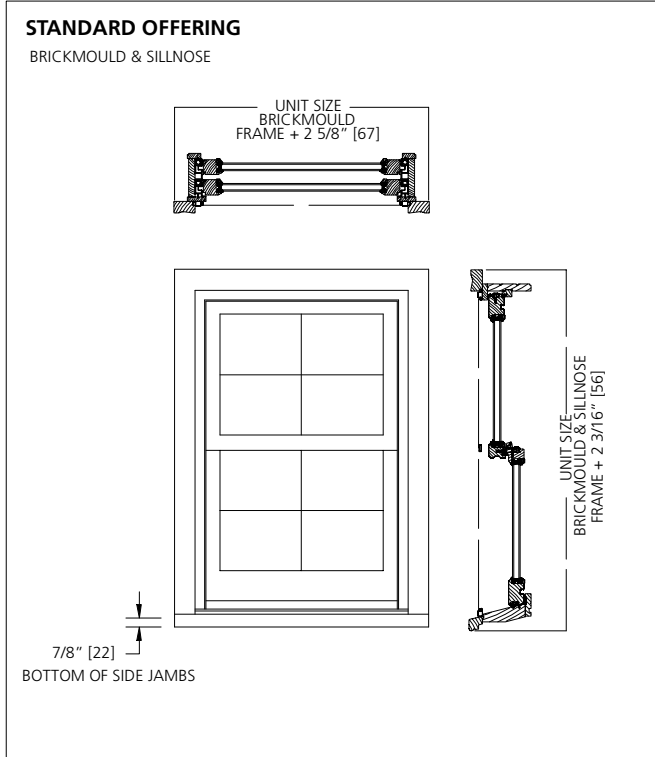
CLEAR OPENING AND DAYLIGHT SPECIFICATIONS

Transom Units

Transom Call Size	Daylight Opening		
	Width (in.)	Height (in.)	Area (sq.ft.)
21 15	14.683	7.192	0.7
21 18	14.683	10.192	1.0
21 24	14.683	16.192	1.7
25 15	18.683	7.192	0.9
25 18	18.683	10.192	1.3
25 24	18.683	16.192	2.1
29 15	22.683	7.192	1.1
29 18	22.683	10.192	1.6
29 24	22.683	16.192	2.6
31 15	24.683	7.192	1.2
31 18	24.683	10.192	1.7
31 24	24.683	16.192	2.8

Transom Call Size	Daylight Opening		
	Width (in.)	Height (in.)	Area (sq.ft.)
33 15	26.683	7.192	1.3
33 18	26.683	10.192	1.9
33 24	26.683	16.192	3.0
37 15	30.683	7.192	1.5
37 18	30.683	10.192	2.2
37 24	30.683	16.192	3.5
41 15	34.683	7.192	1.7
41 18	34.683	10.192	2.5
41 24	34.683	16.192	3.9
45 15	38.683	7.192	1.9
45 18	38.683	10.192	2.7
45 24	38.683	16.192	4.3

**UNIT SIZING, ROUGH OPENINGS
& MASONRY OPENINGS
DOUBLE-HUNG**

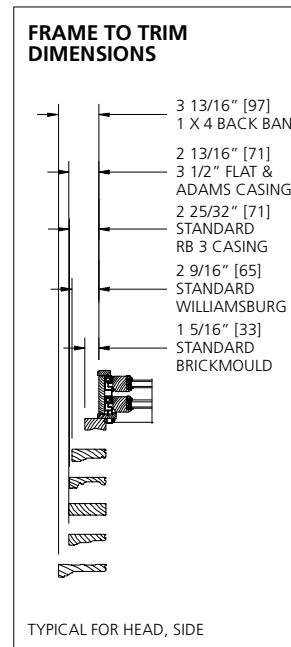
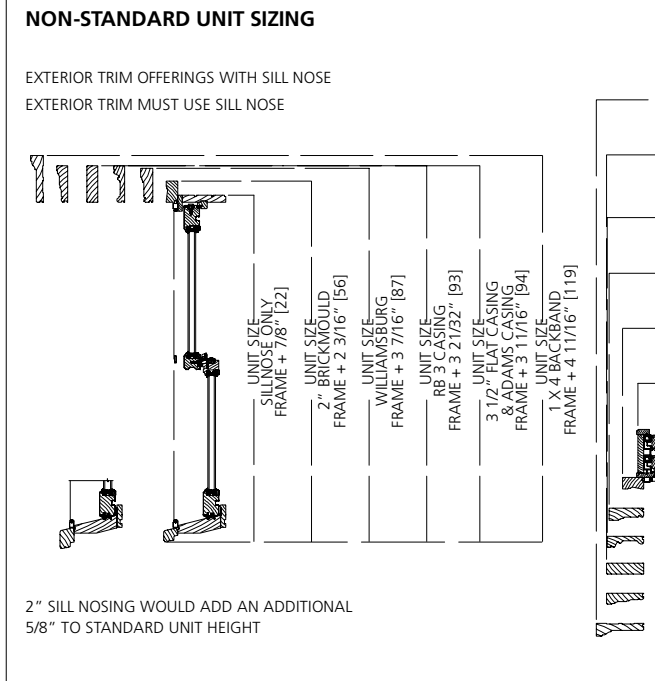
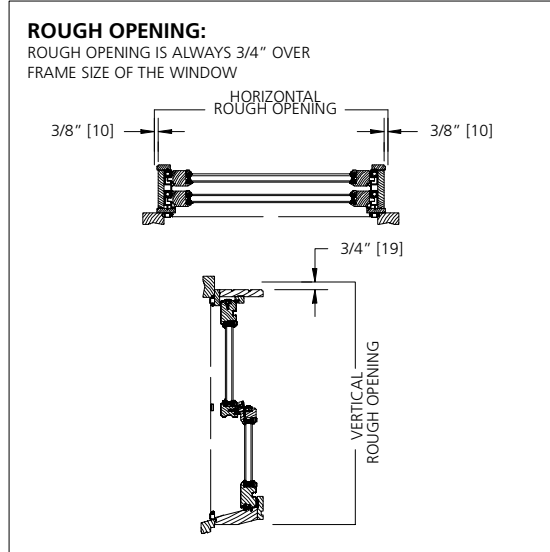


GENERAL NOTES:

UNITS WITH NO TRIM AND SILL NOSE:
UNIT SIZE = FRAME SIZE

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

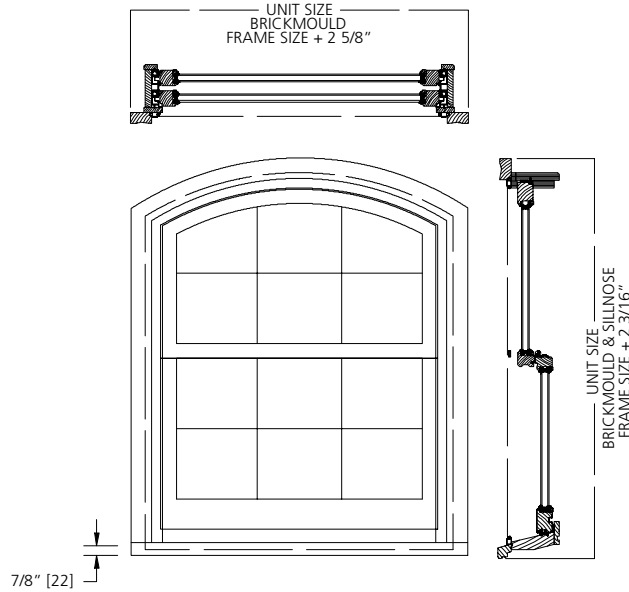
MASONRY OPENING:
MASONRY OPENING IS ALWAYS 1/2" OVER
THE UNIT SIZE OF THE WINDOW



**UNIT SIZING, ROUGH OPENINGS
& MASONRY OPENINGS
SECTOR TOP SINGLE-HUNG**

STANDARD OFFERING

OF BRICKMOULD & SILLNOSE



GENERAL NOTES:

UNITS WITH NO TRIM AND SILL NOSE:

UNIT SIZE = FRAME SIZE

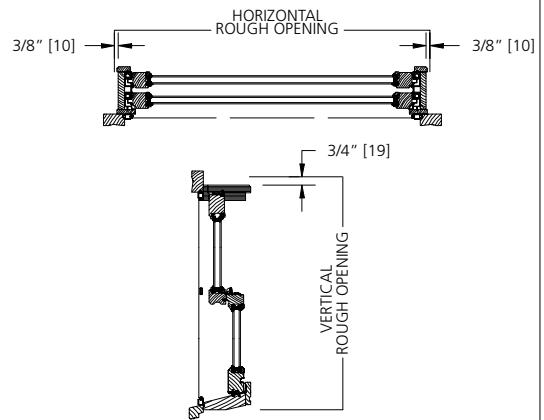
UNIT SIZE IS ALWAYS THE
EXTREME SIZE OF THE WINDOW
WITH OR WITHOUT TRIM

MASONRY OPENING:

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

ROUGH OPENING:

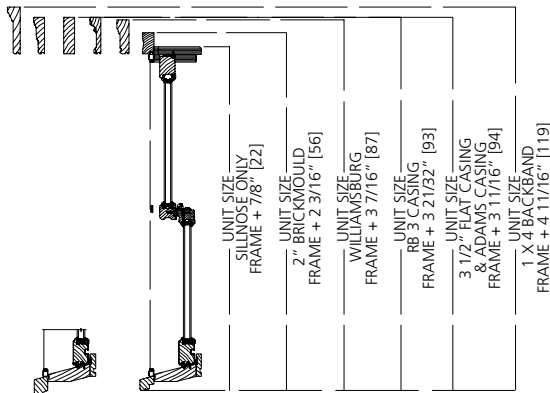
ROUGH OPENING IS ALWAYS 3/4" OVER
FRAME SIZE OF THE WINDOW



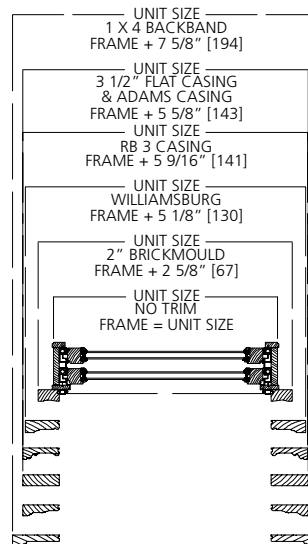
NON-STANDARD UNIT SIZING

EXTERIOR TRIM OFFERINGS WITH SILL NOSE

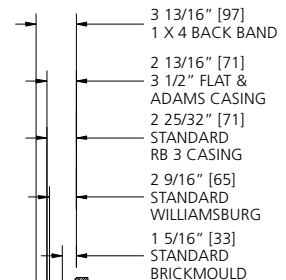
EXTERIOR TRIM MUST USE SILL NOSE



2" SILL NOSING WOULD ADD AN ADDITIONAL
5/8" TO STANDARD UNIT HEIGHT

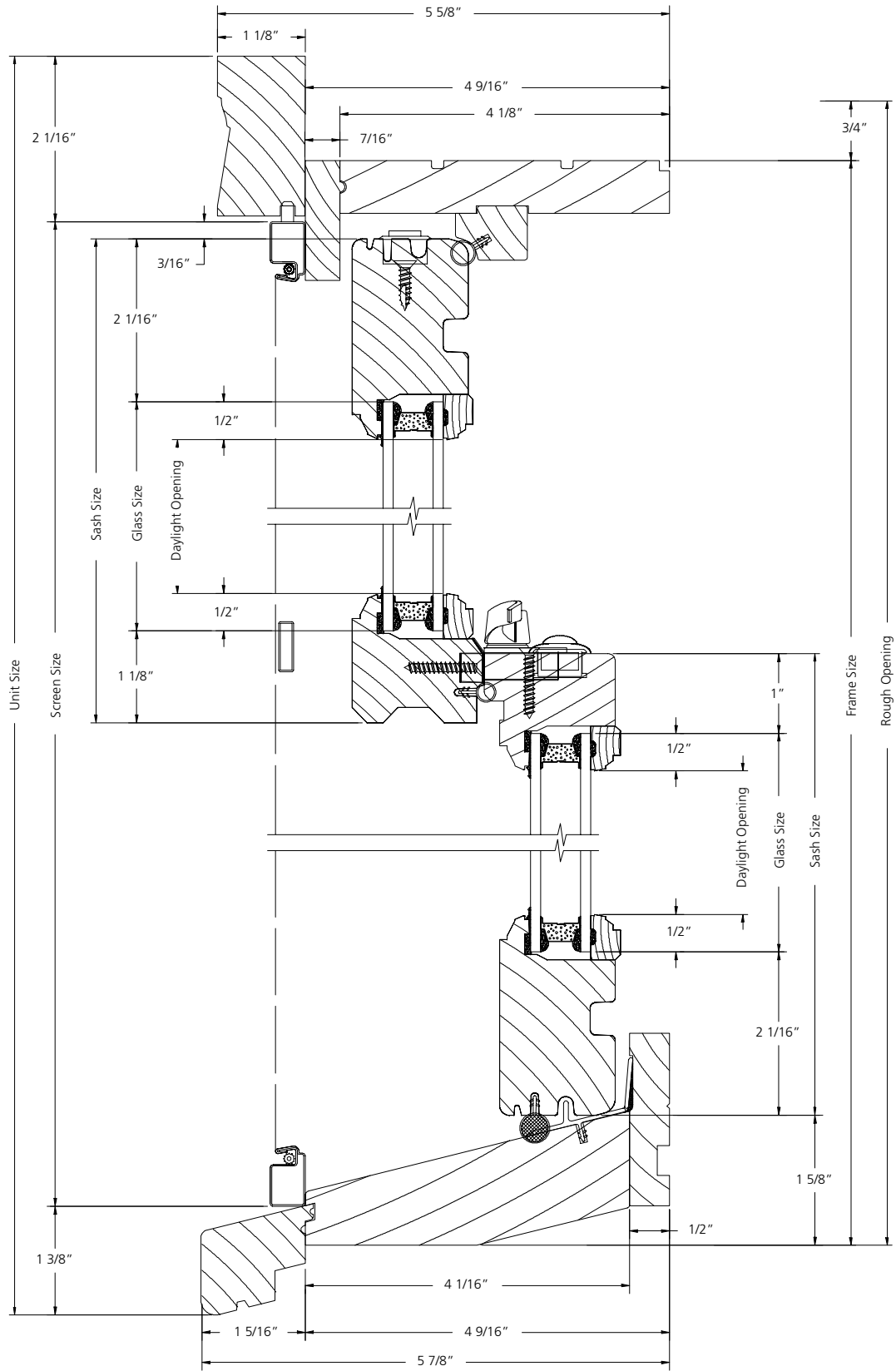


**FRAME TO TRIM
DIMENSIONS**



TYPICAL FOR HEAD, SIDE

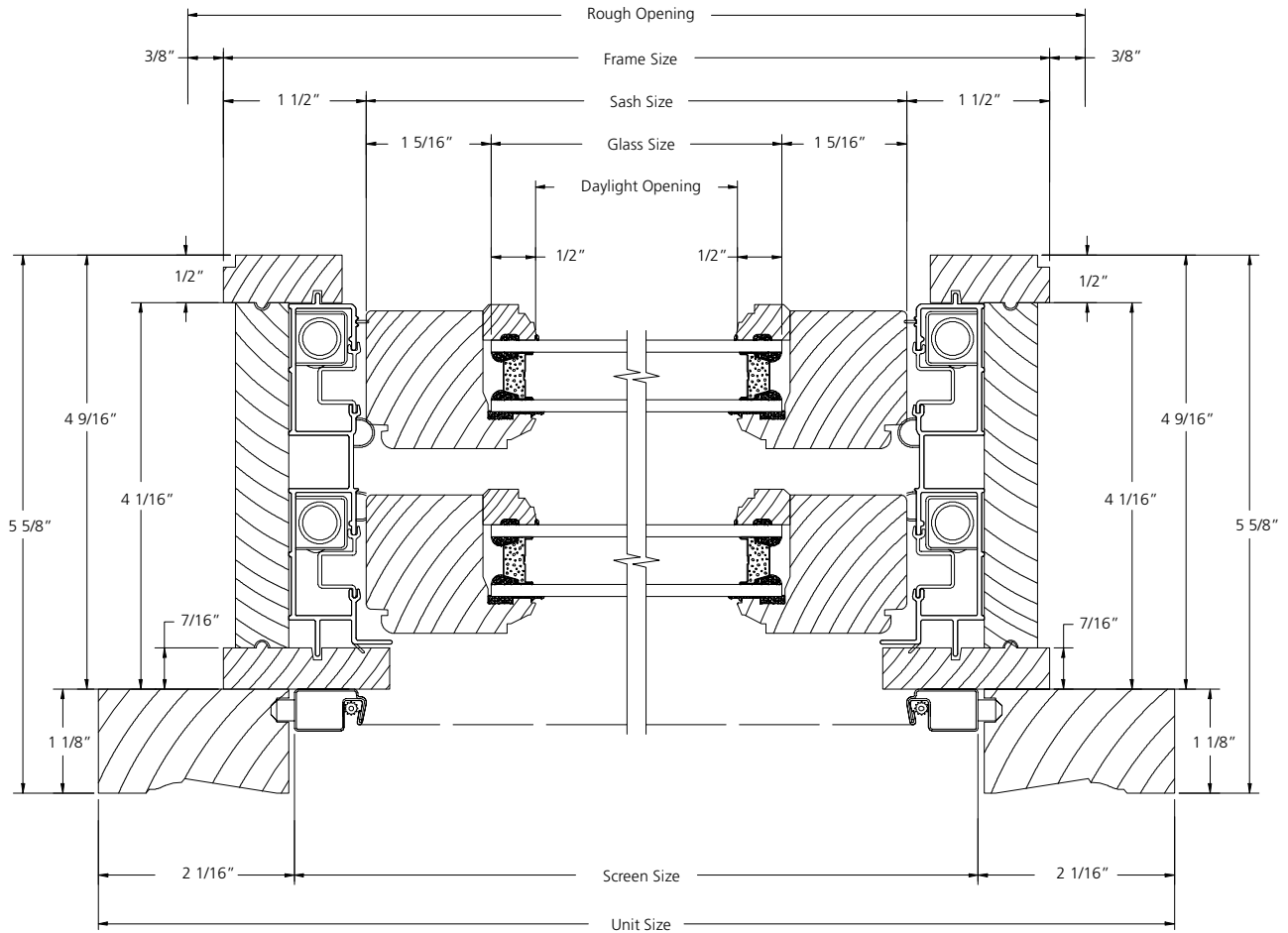
1-WIDE UNIT



VERTICAL SECTION

SCALE: 6" = 1'

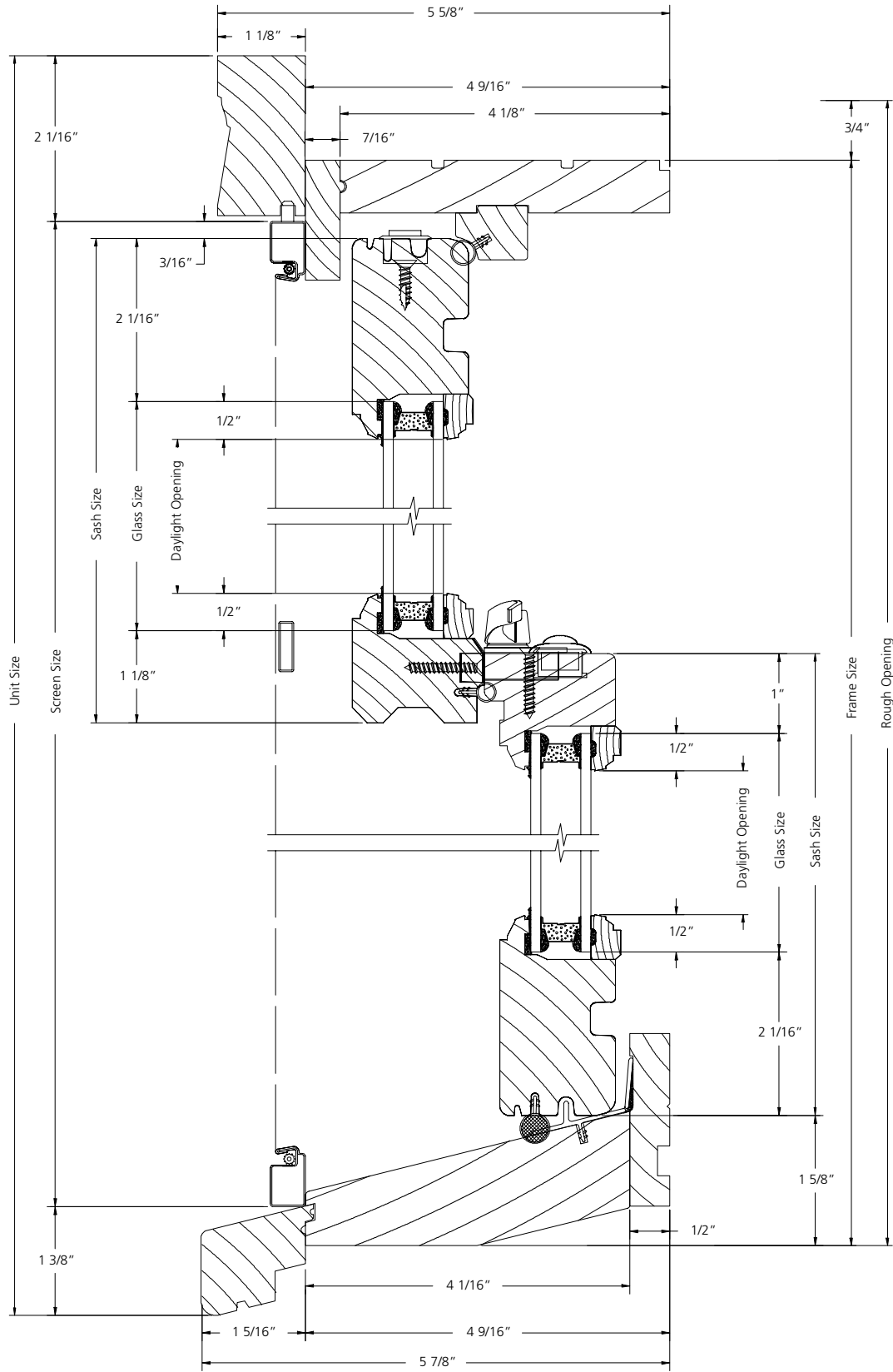
1-WIDE UNIT



HORIZONTAL SECTION

SCALE: 6" = 1'

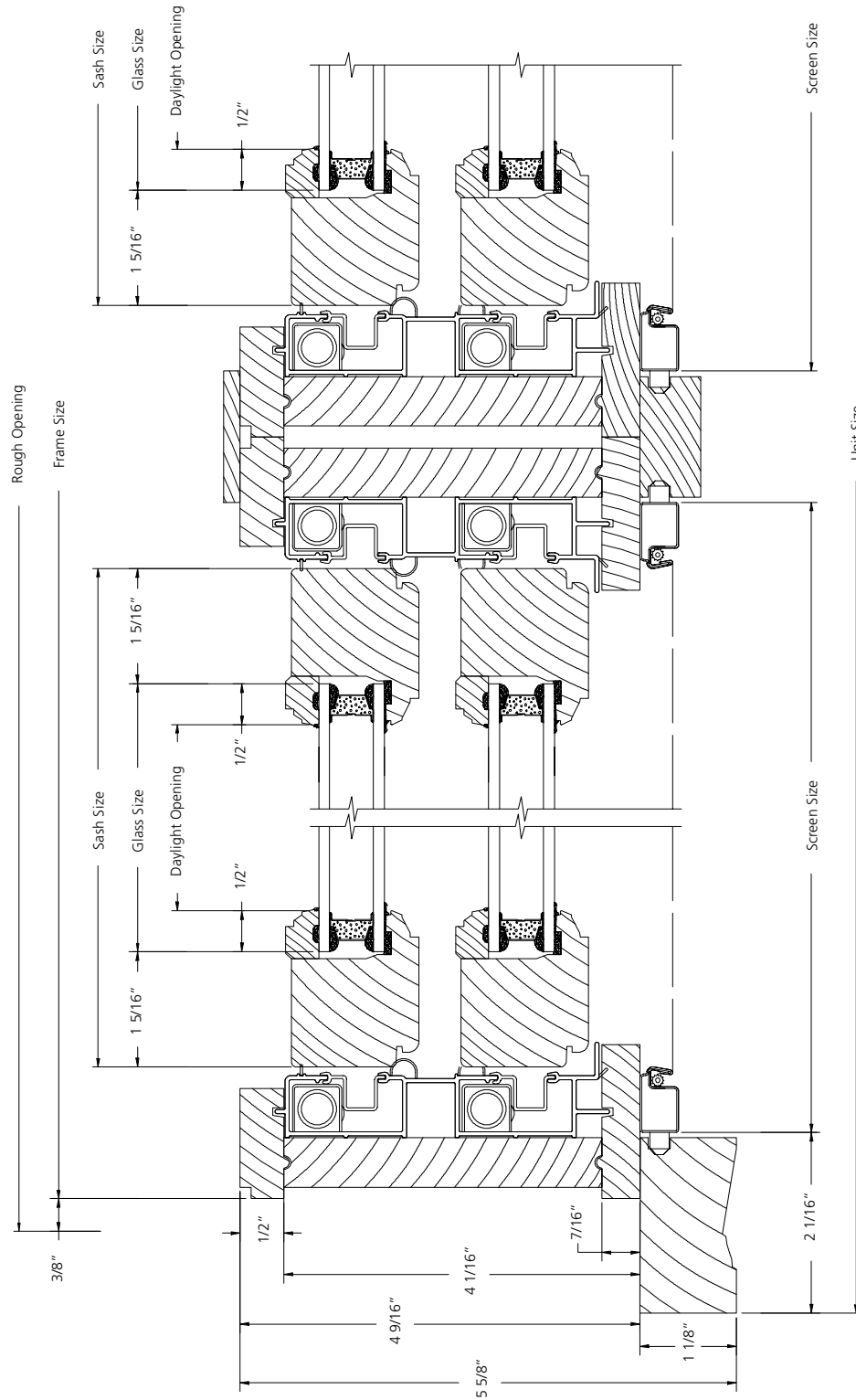
2-WIDE UNIT



VERTICAL SECTION

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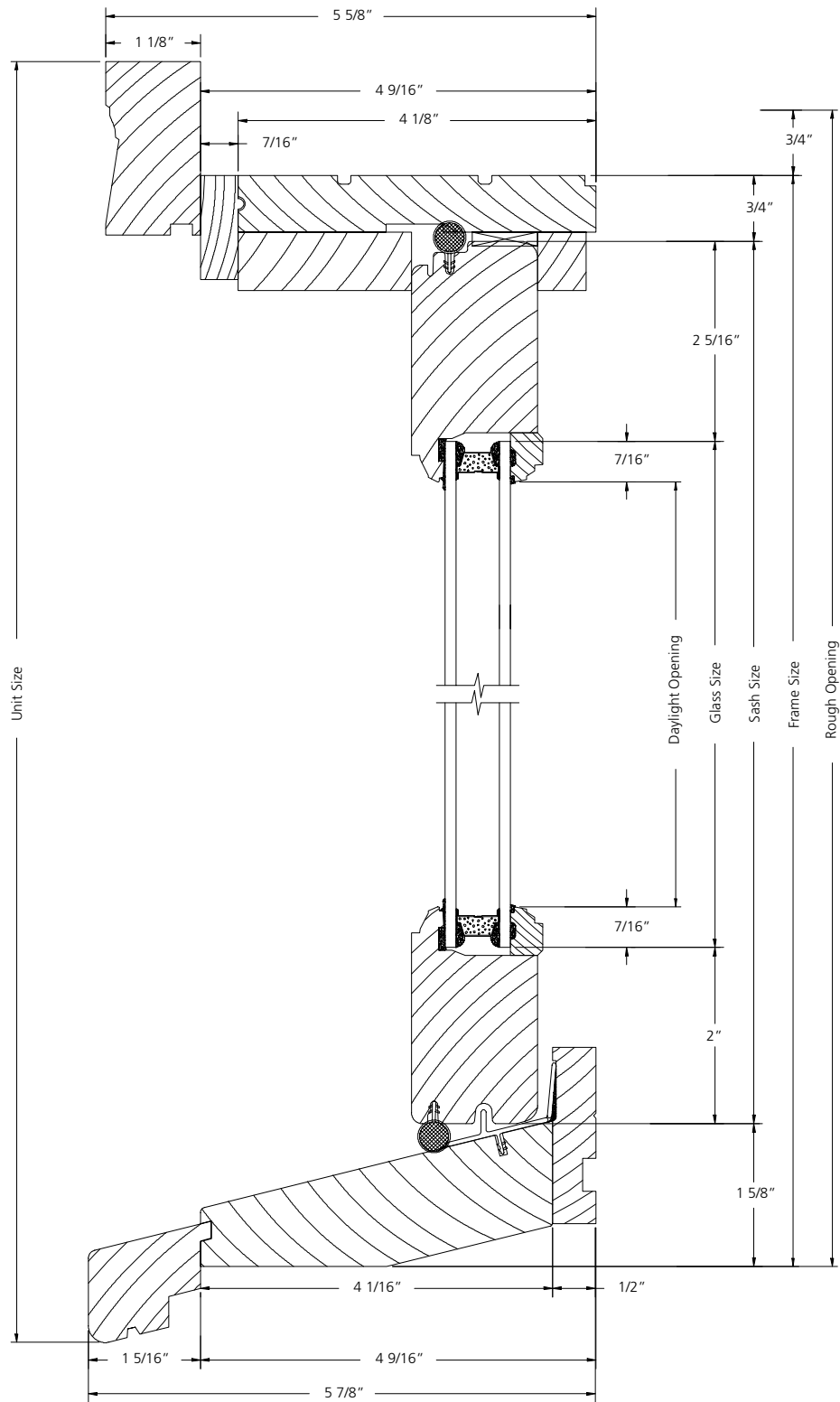
2-WIDE UNIT



HORIZONTAL SECTION

SCALE: 6" = 1'

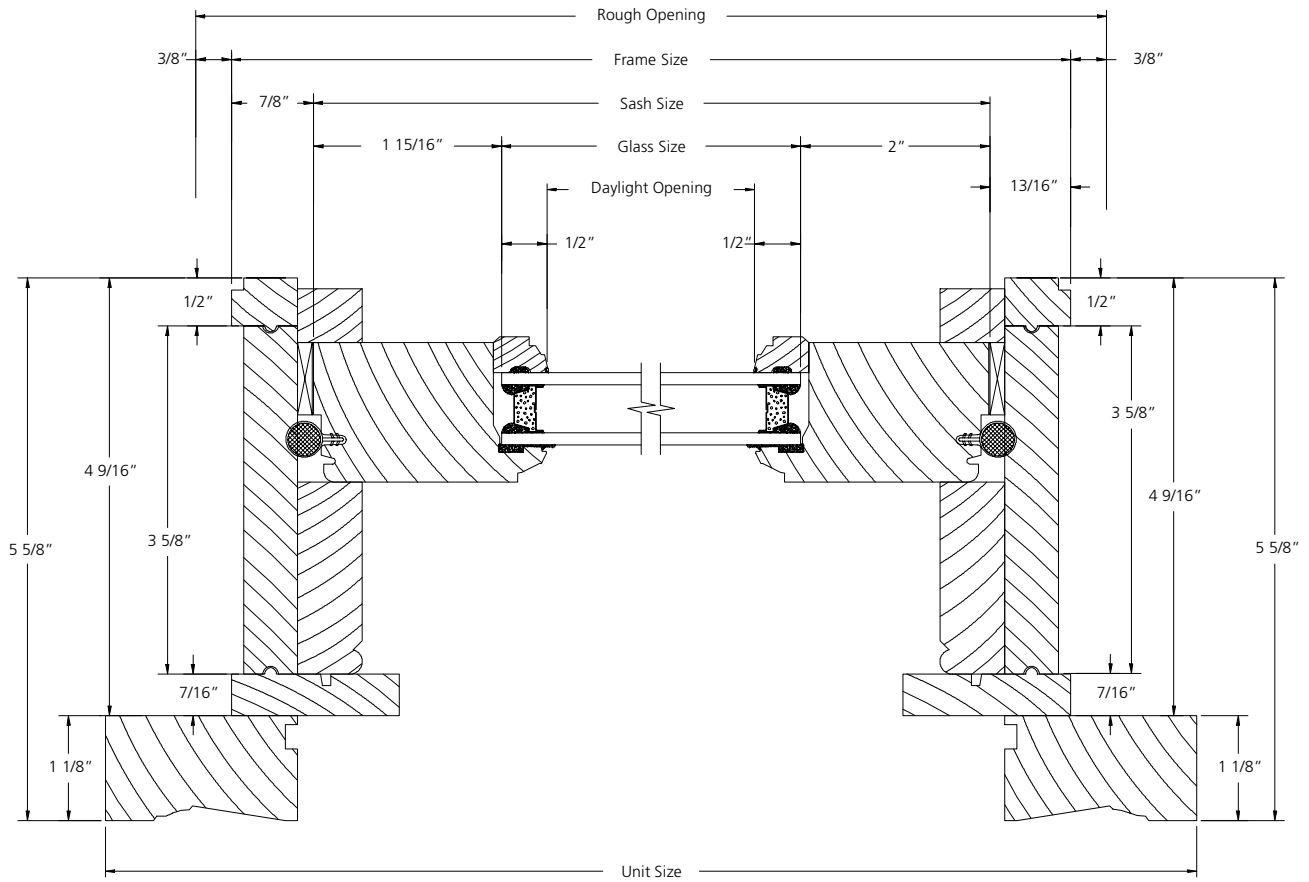
PICTURE UNIT



VERTICAL SECTION

SCALE: 6" = 1'

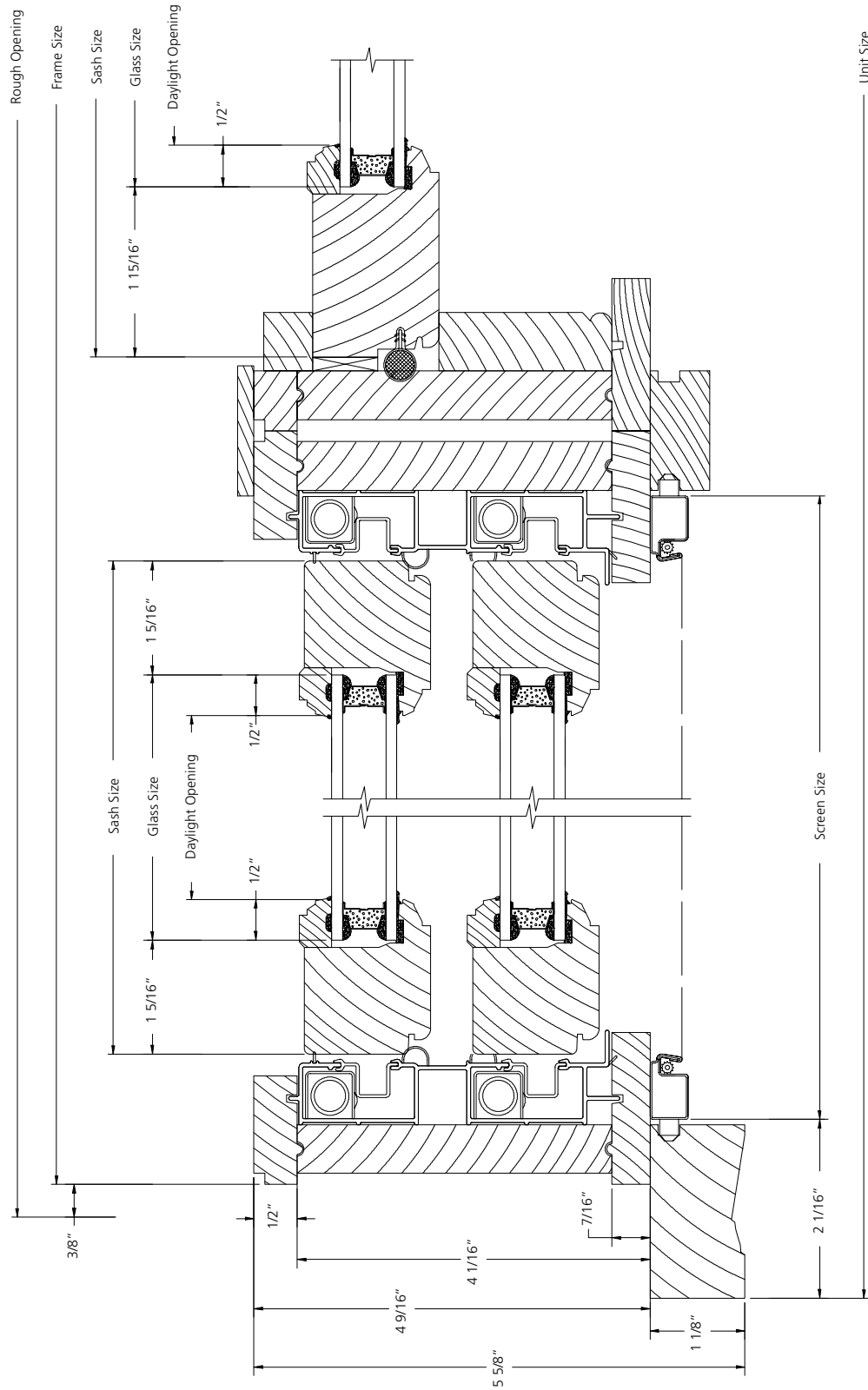
PICTURE UNIT



HORIZONTAL SECTION

SCALE: 6" = 1'

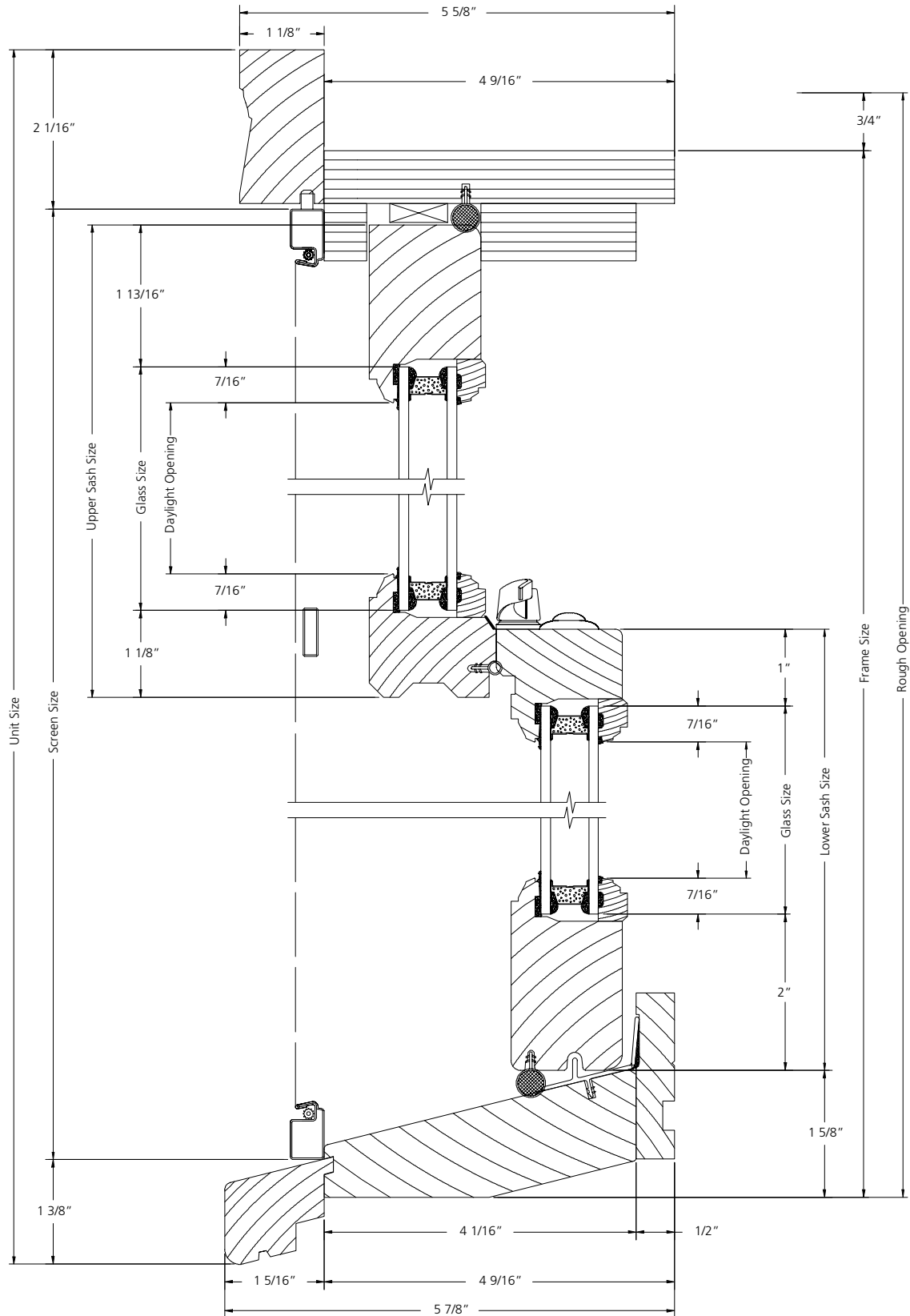
PICTURE UNIT WITH FLANKER



HORIZONTAL SECTION

SCALE: 6" = 1'

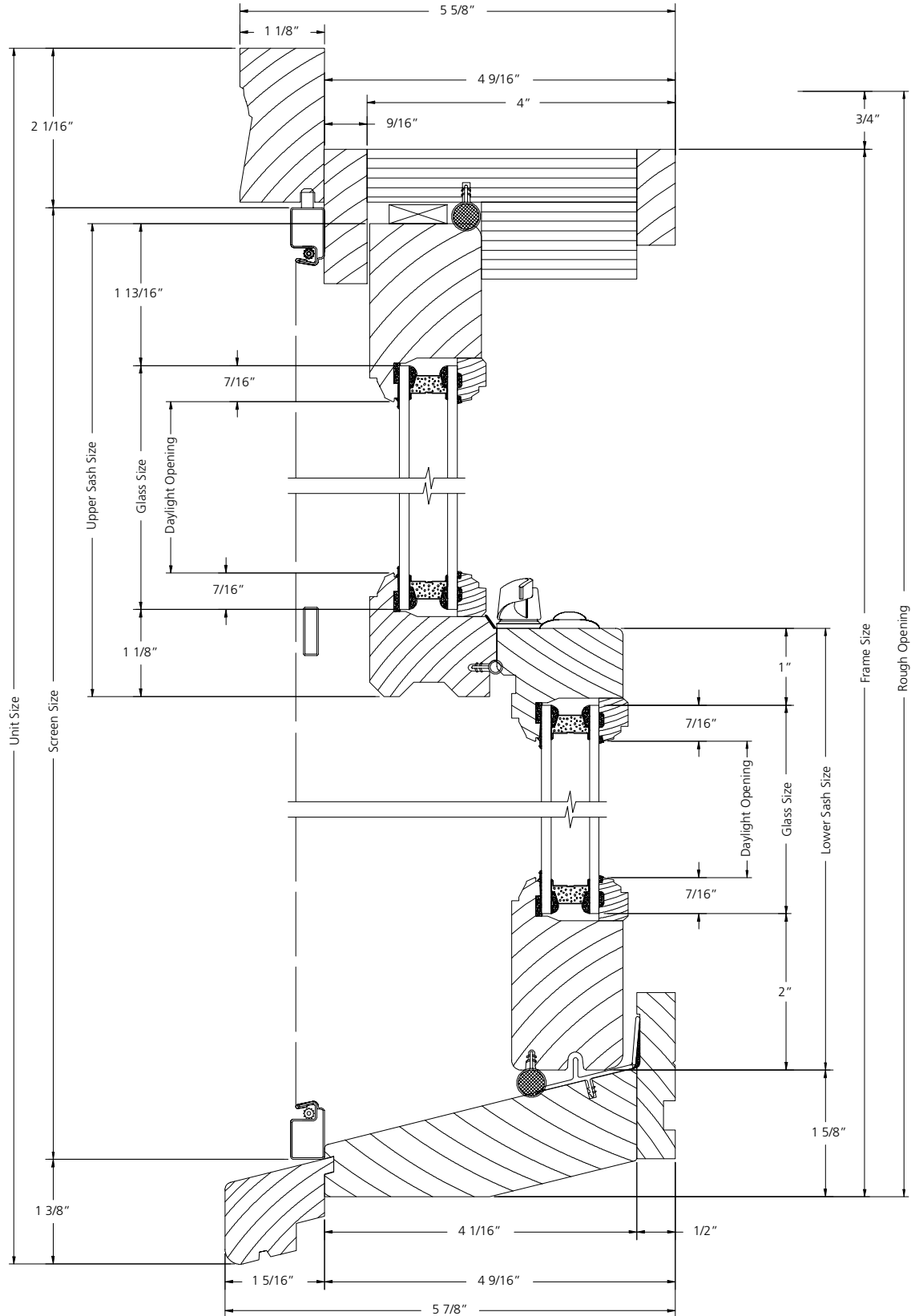
SECTOR TOP UNIT



VERTICAL SECTION

SCALE: 6" = 1'

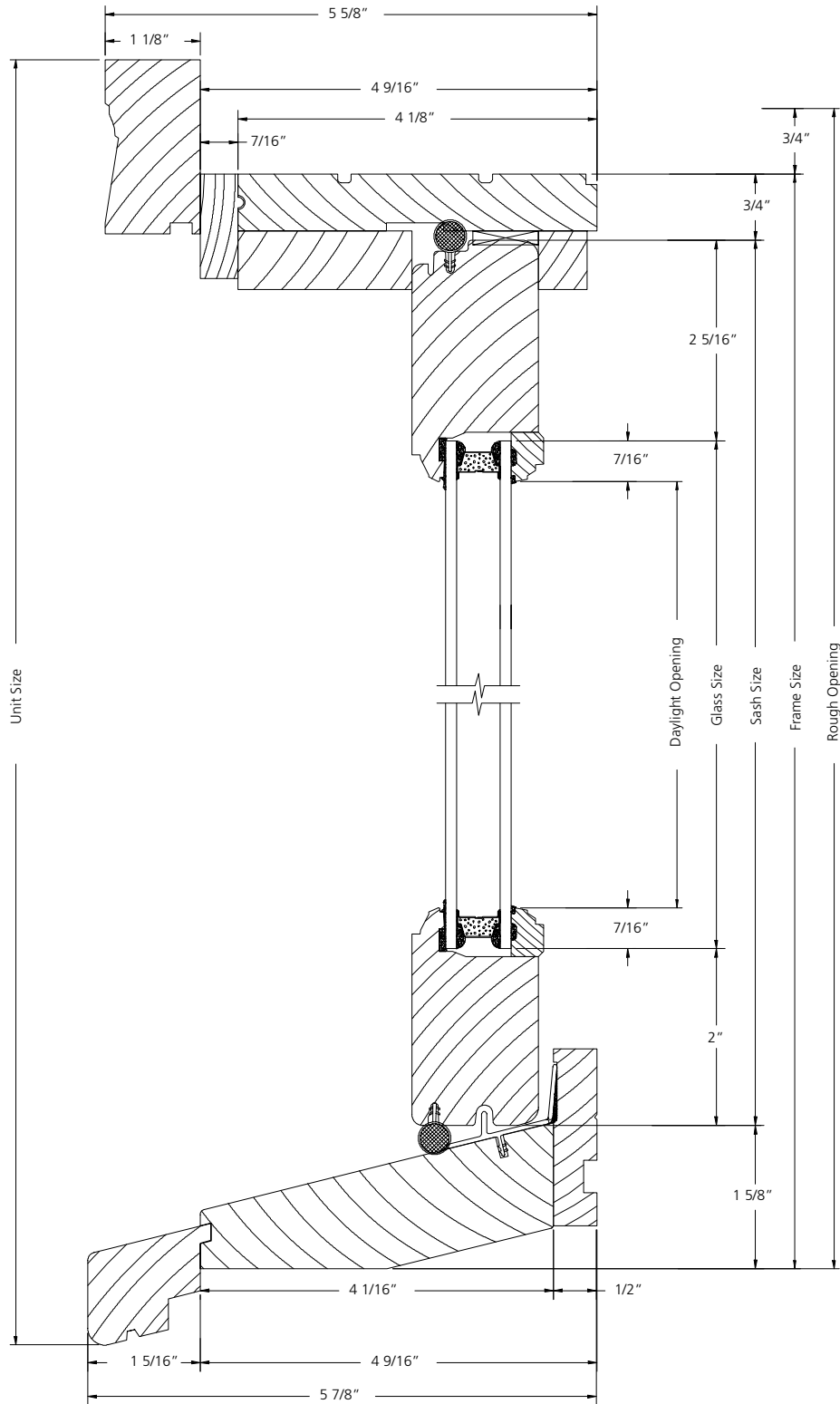
FULL RADIUS UNIT



VERTICAL SECTION

SCALE: 6" = 1'

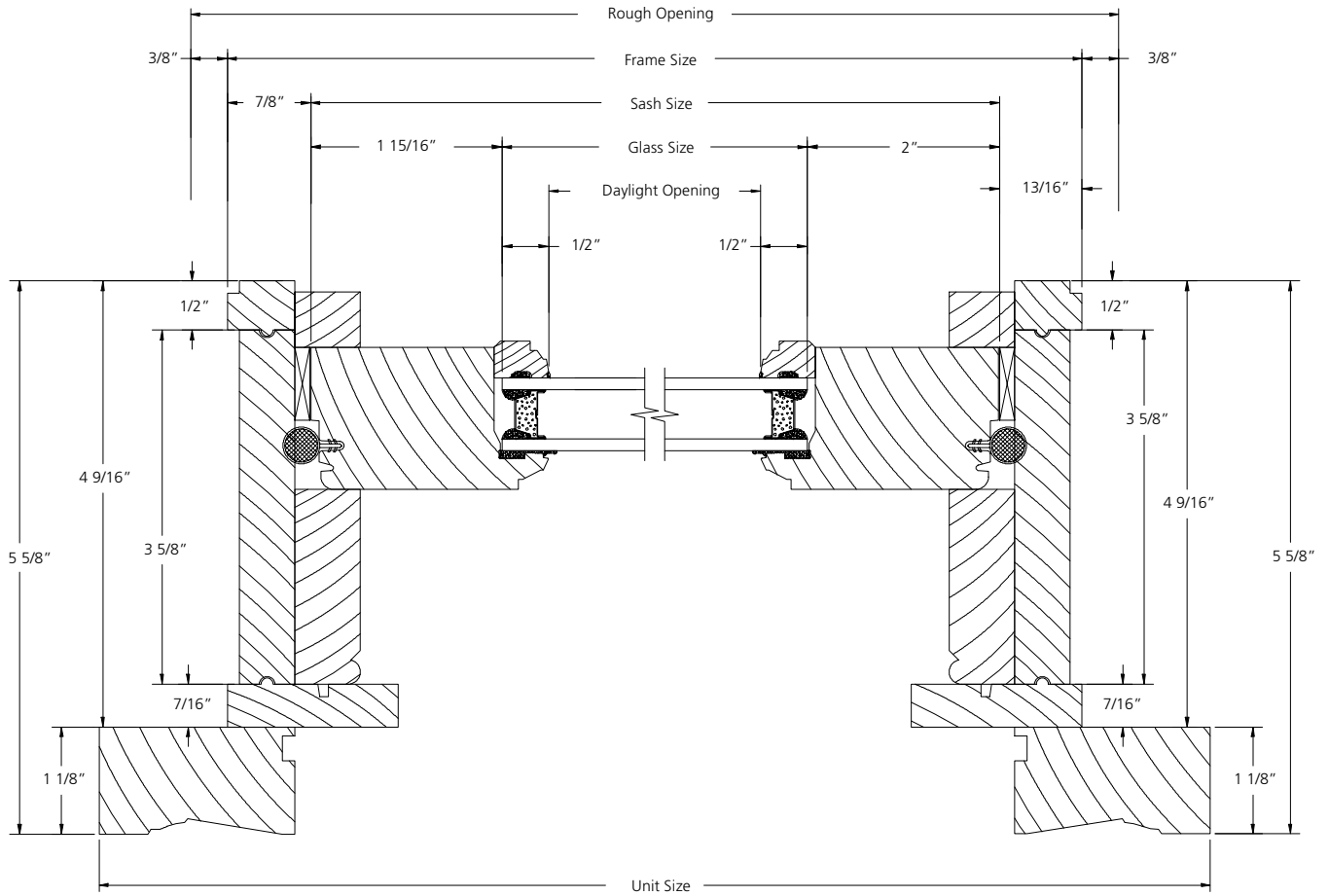
TRANSOM UNIT



VERTICAL SECTION

SCALE: 6" = 1'

TRANSOM UNIT

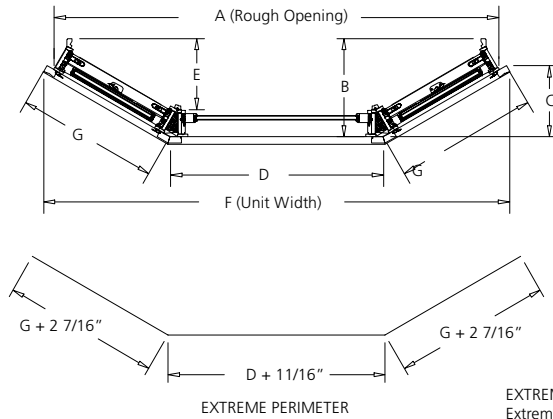


HORIZONTAL SECTION

SCALE: 6" = 1'

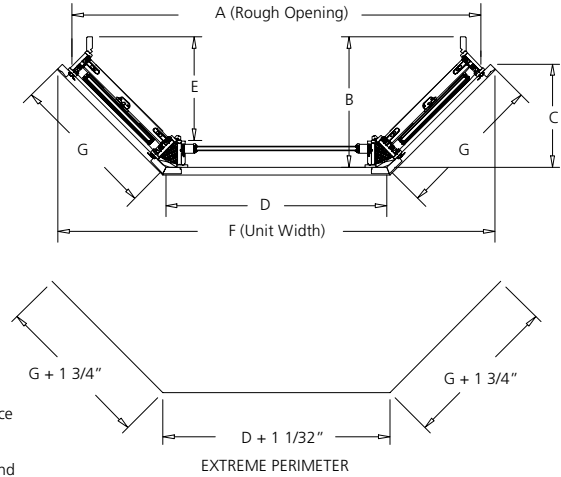
BAY WINDOW HORIZONTAL SPECIFICATION TABLES

30° ANGLE BAY



EXTREME PERIMETER
Extreme Perimeter is the distance around the face of the bay, beginning at the exterior sheathing and continuing around the assembly along the extreme face of the basic unit frame.

45° ANGLE BAY



30° BAY								
		A	F	B	C	E	D	G
Flanker Width (Call Size)	Center Width (Call Size)	Rough Opening	Overall Unit Width	Overall Projection*	Projection Exterior Wall	Seating Depth*	Outside Mull to Mull	Outside Mull to Unit
21	21	62 15/16	66 5/16	16 1/2	11 15/16	11 15/16	23 13/16	23 15/16
21	41	82 15/16	86 5/16	16 1/2	11 15/16	11 15/16	43 13/16	23 15/16
21	49	90 15/16	94 5/16	16 1/2	11 15/16	11 15/16	51 13/16	23 15/16
21	53	94 15/16	98 5/16	16 1/2	11 15/16	11 15/16	55 13/16	23 15/16
21	61	102 15/16	106 5/16	16 1/2	11 15/16	11 15/16	63 13/16	23 15/16
21	69	110 15/16	114 5/16	16 1/2	11 15/16	11 15/16	71 13/16	23 15/16
25	25	73 7/8	77 1/4	18 1/2	13 15/16	13 15/16	27 13/16	27 15/16
25	41	89 7/8	93 1/4	18 1/2	13 15/16	13 15/16	43 13/16	27 15/16
25	49	97 7/8	101 1/4	18 1/2	13 15/16	13 15/16	51 13/16	27 15/16
25	53	101 7/8	105 1/4	18 1/2	13 15/16	13 15/16	55 13/16	27 15/16
25	61	109 7/8	113 1/4	18 1/2	13 15/16	13 15/16	63 13/16	27 15/16
25	69	117 7/8	121 1/4	18 1/2	13 15/16	13 15/16	71 13/16	27 15/16
29	29	84 13/16	88 3/16	20 1/2	15 15/16	15 15/16	31 13/16	31 15/16
29	41	96 13/16	100 3/16	20 1/2	15 15/16	15 15/16	43 13/16	31 15/16
29	49	104 13/16	108 3/16	20 1/2	15 15/16	15 15/16	51 13/16	31 15/16
29	53	108 13/16	112 3/16	20 1/2	15 15/16	15 15/16	55 13/16	31 15/16
29	61	116 13/16	120 3/16	20 1/2	15 15/16	15 15/16	63 13/16	31 15/16
29	69	124 13/16	128 3/16	20 1/2	15 15/16	15 15/16	71 13/16	31 15/16

45° BAY								
		A	F	B	C	E	D	G
Flanker Width (Call Size)	Center Width (Call Size)	Rough Opening	Overall Unit Width	Overall Projection*	Projection Exterior Wall	Seating Depth*	Outside Mull to Mull	Outside Mull to Unit
21	21	56 15/16	61 7/16	21 15/16	17 3/8	17 3/8	25 1/8	24 9/16
21	41	76 15/16	81 7/16	21 15/16	17 3/8	17 3/8	45 1/8	24 9/16
21	49	84 15/16	89 7/16	21 15/16	17 3/8	17 3/8	53 1/8	24 9/16
21	53	88 15/16	93 7/16	21 15/16	17 3/8	17 3/8	57 1/8	24 9/16
21	61	96 15/16	101 7/16	21 15/16	17 3/8	17 3/8	65 1/8	24 9/16
21	69	104 15/16	109 7/16	21 15/16	17 3/8	17 3/8	73 1/8	24 9/16
25	25	66 5/8	71 1/8	24 3/4	20 3/16	20 3/16	29 1/8	28 9/16
25	41	82 5/8	87 1/8	24 3/4	20 3/16	20 3/16	45 1/8	28 9/16
25	49	90 5/8	95 1/8	24 3/4	20 3/16	20 3/16	53 1/8	28 9/16
25	53	94 5/8	99 1/8	24 3/4	20 3/16	20 3/16	57 1/8	28 9/16
25	61	102 5/8	107 1/8	24 3/4	20 3/16	20 3/16	65 1/8	28 9/16
25	69	110 5/8	115 1/8	24 3/4	20 3/16	20 3/16	73 1/8	28 9/16
29	29	76 1/4	80 3/4	27 5/8	23 1/16	23 1/16	33 1/8	32 9/16
29	41	88 1/4	92 3/4	27 5/8	23 1/16	23 1/16	45 1/8	32 9/16
29	49	96 1/4	100 3/4	27 5/8	23 1/16	23 1/16	53 1/8	32 9/16
29	53	100 1/4	104 3/4	27 5/8	23 1/16	23 1/16	57 1/8	32 9/16
29	61	108 1/4	112 3/4	27 5/8	23 1/16	23 1/16	65 1/8	32 9/16
29	69	116 1/4	120 3/4	27 5/8	23 1/16	23 1/16	73 1/8	32 9/16

The tables above reflect a 4 9/16" wall application. To convert to a 6 9/16" wall application, add 2" to the figures in the columns which shown an asterisk (*), B and E. ROUGH OPENING data reflects FRAME + 3/4".

BAY WINDOW ROUGH OPENINGS

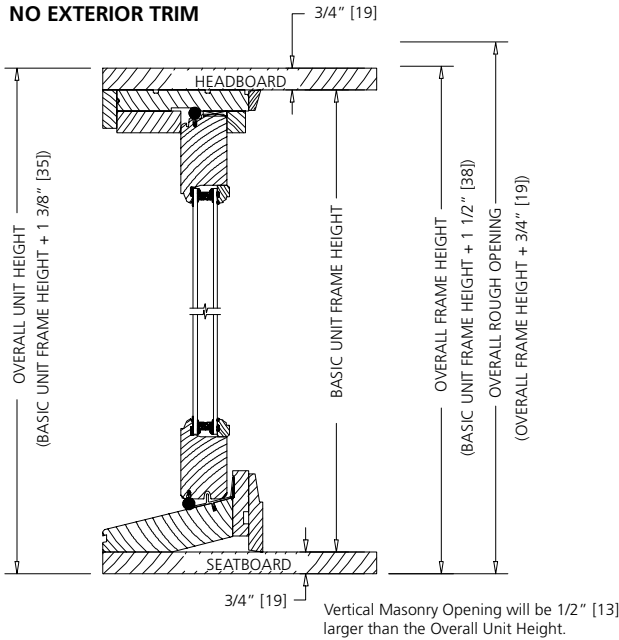
BAY WINDOW TRIM OPTIONS

The standard offerings for wood double hung bay windows is 'frame only' and brickmould and sillnose. Other trim options subject to approval.

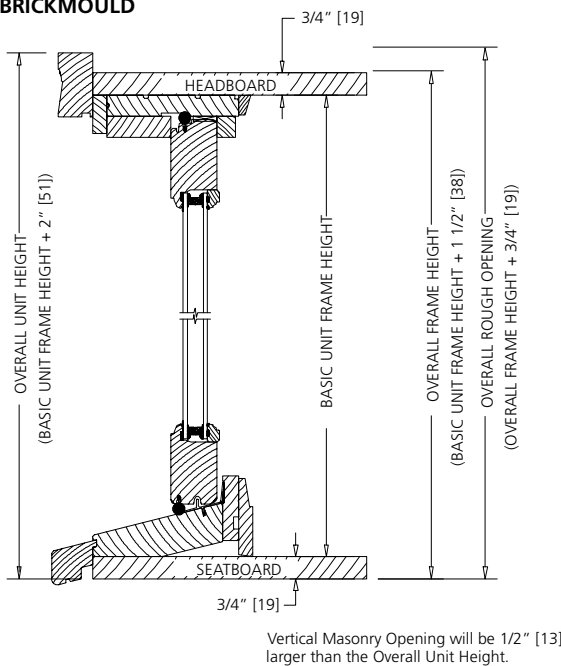
VERTICAL ROUGH OPENING

Rough Opening typical for all Units

NO EXTERIOR TRIM

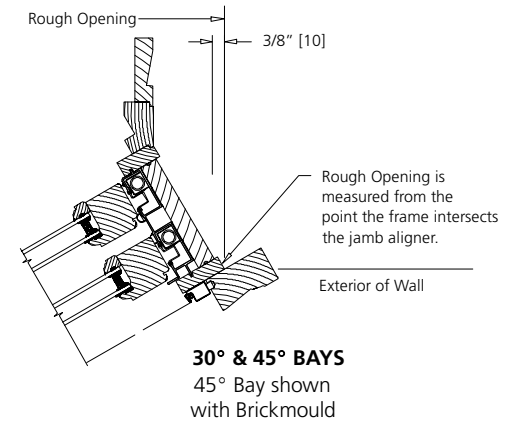
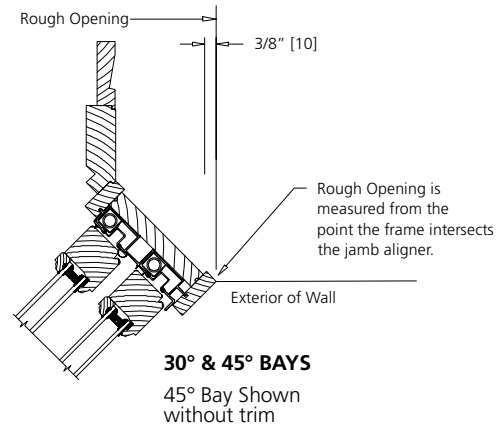


BRICKMOULD

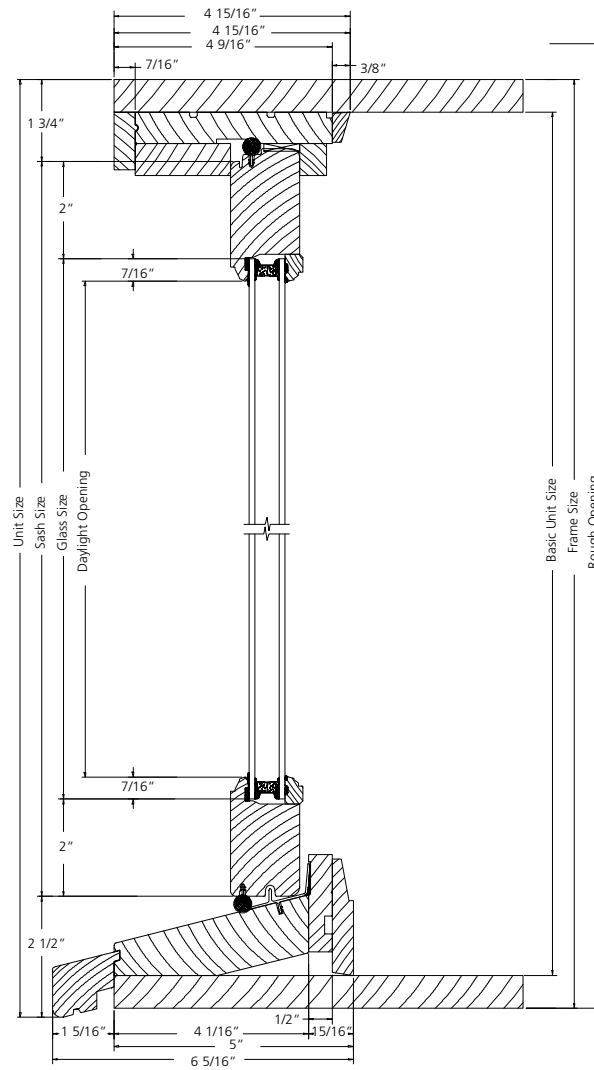


HORIZONTAL ROUGH OPENING

Rough Opening typical for all Units



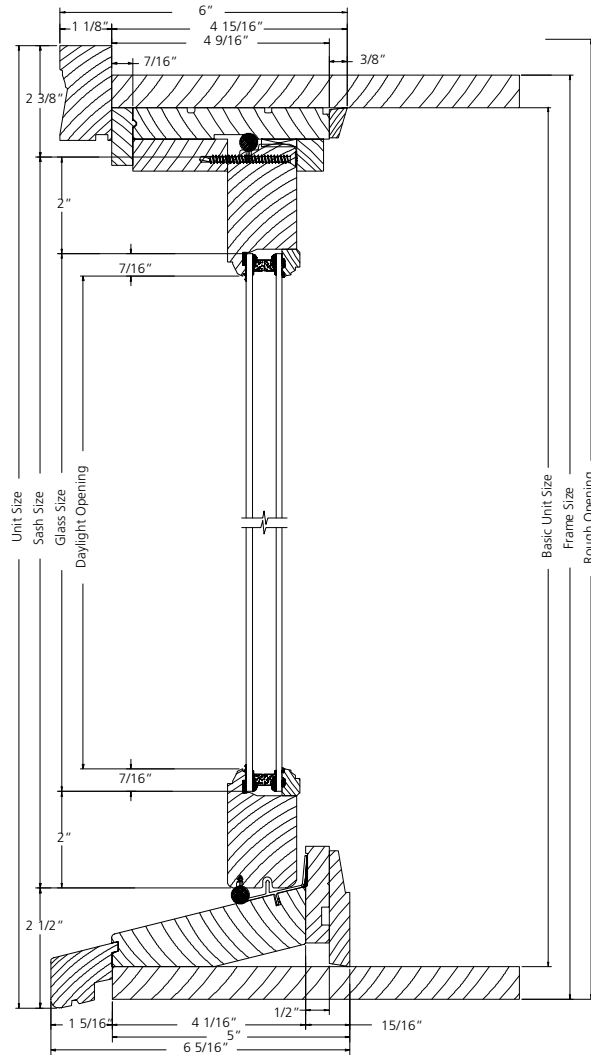
**30° ANGLE BAY UNIT
WITH NO TRIM**



VERTICAL SECTION

SCALE: 3" = 1'

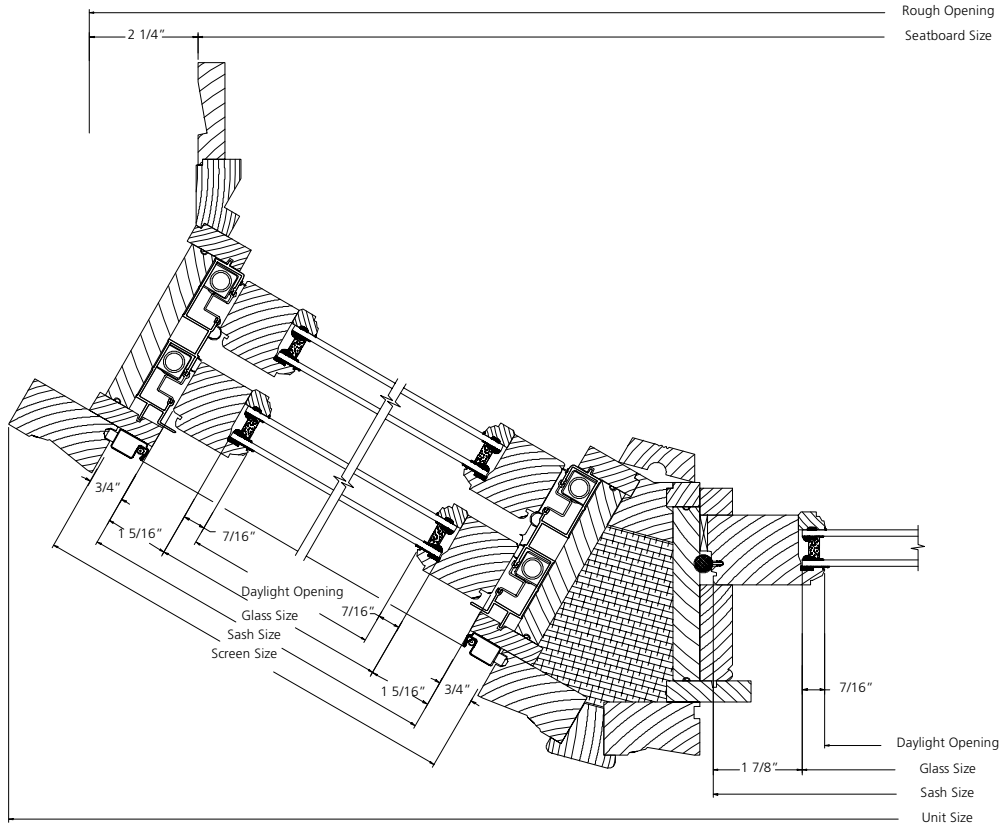
**30° ANGLE BAY UNIT
WITH BRICKMOULD TRIM**



VERTICAL SECTION

SCALE: 3" = 1'

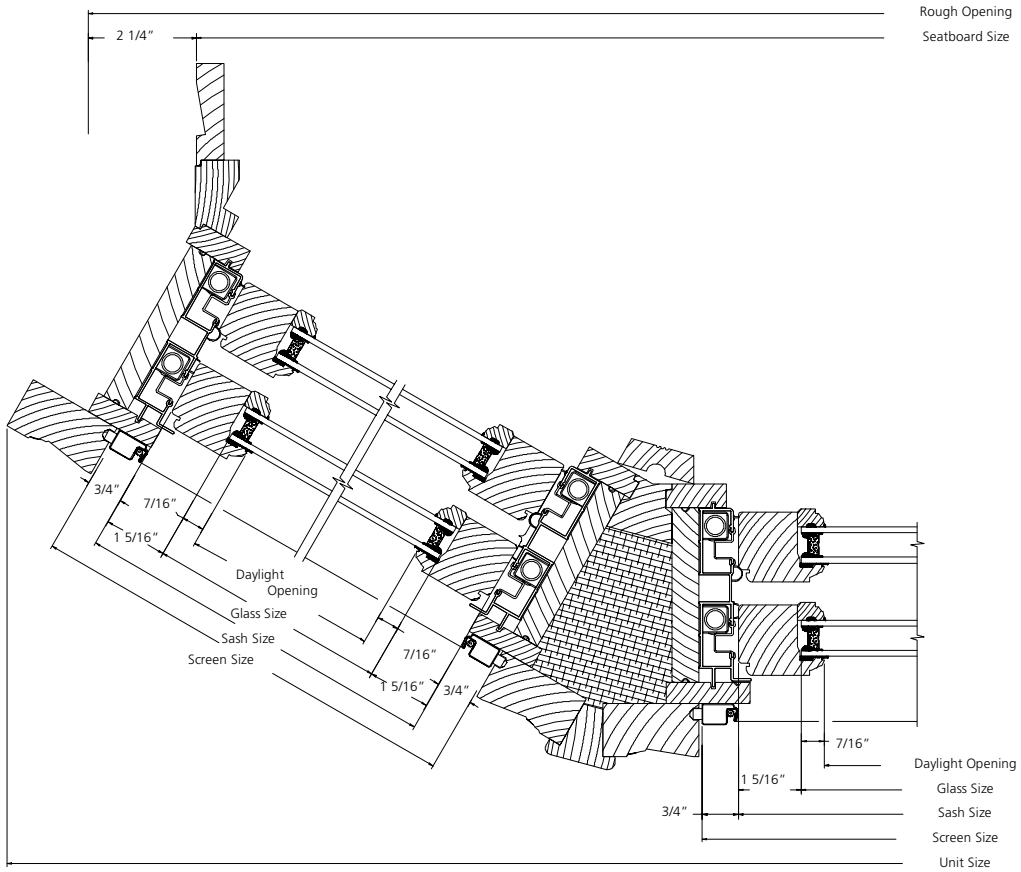
**30° ANGLE BAY UNIT
WITH STATIONARY CENTER**



HORIZONTAL SECTION

SCALE: 3" = 1'

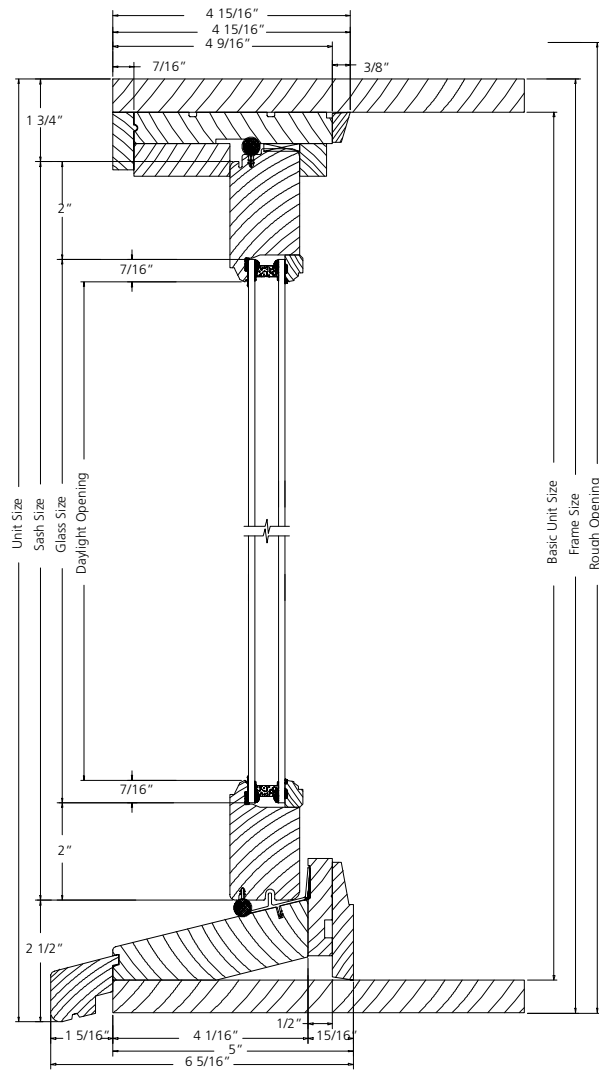
**30° ANGLE BAY UNIT
WITH OPERABLE CENTER**



HORIZONTAL SECTION

SCALE: 3" = 1'

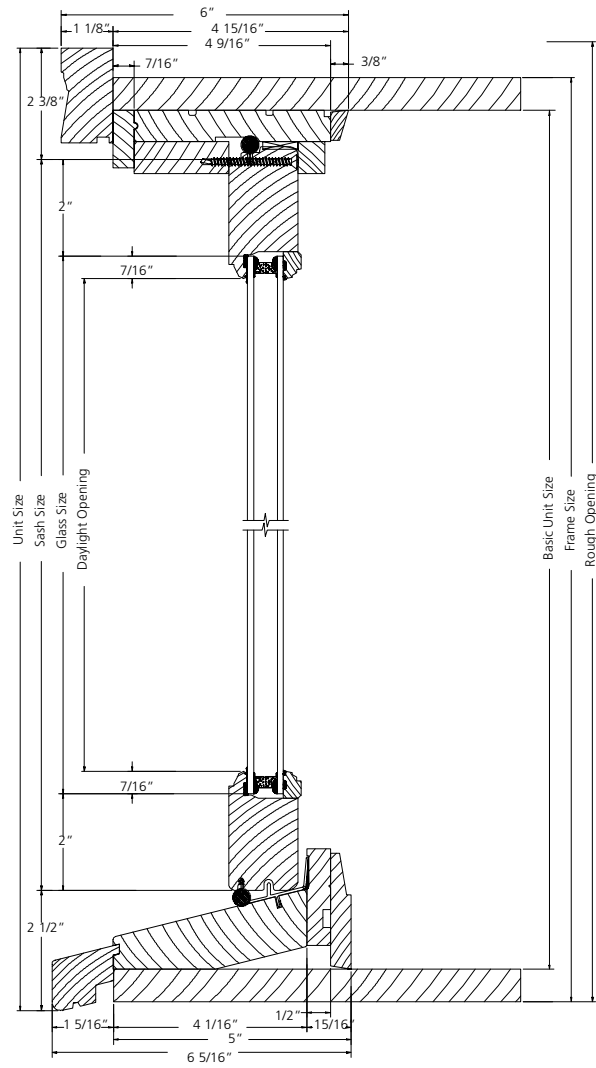
45° ANGLE BAY UNIT
WITH NO TRIM



VERTICAL SECTION

SCALE: 3" = 1'

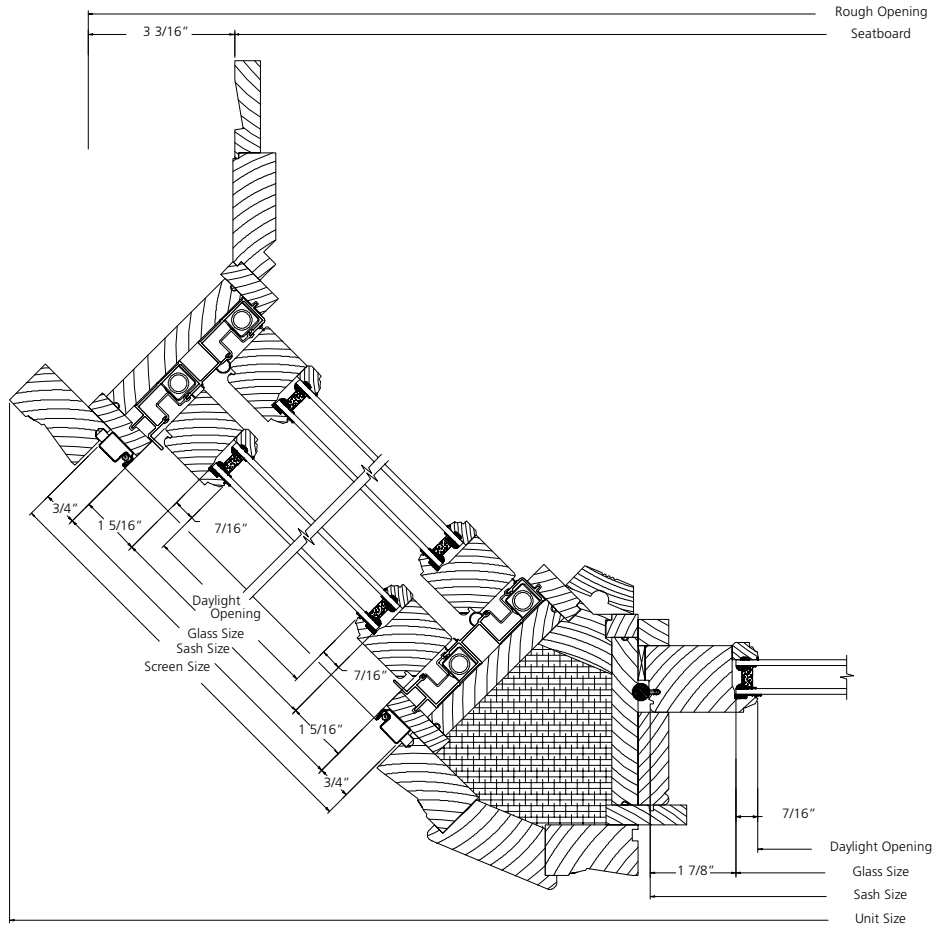
**45° ANGLE BAY UNIT
WITH BRICKMOULD TRIM**



VERTICAL SECTION

SCALE: 3" = 1'

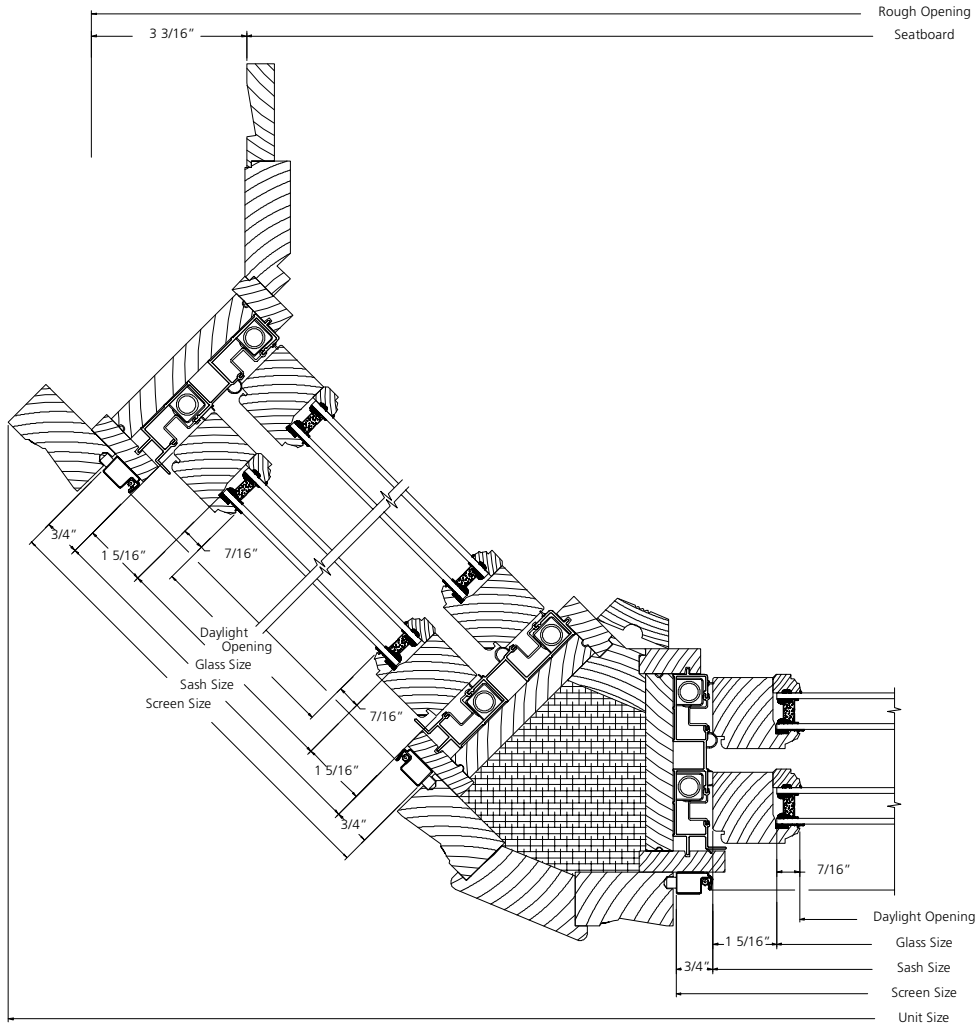
**45° ANGLE BAY UNIT
WITH STATIONARY CENTER**



HORIZONTAL SECTION

SCALE: 3" = 1'

**45° ANGLE BAY UNIT
WITH OPERABLE CENTER**



HORIZONTAL SECTION

SCALE: 3" = 1'