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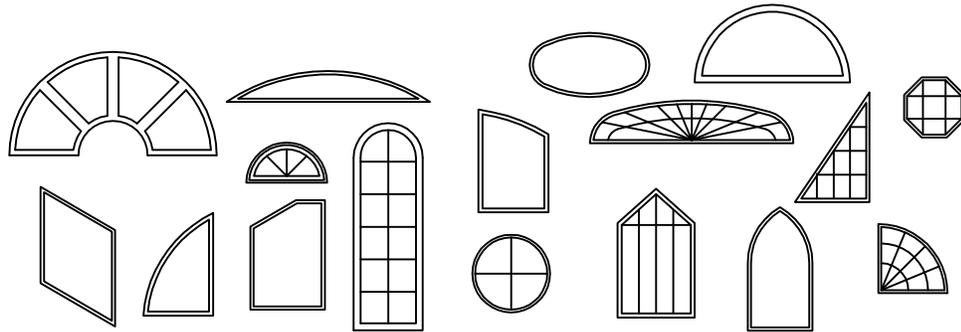
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GENERAL INFORMATION

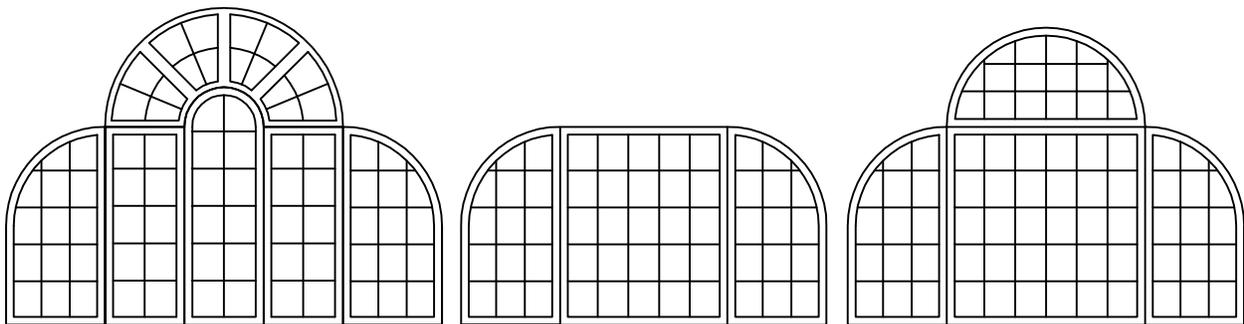
STANDARD SIZES & DESIGNS

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



MULTIPLE ASSEMBLIES

Custom wood direct set geometric windows may be mullied above, below, or beside other wood geometric windows, or other wood window or patio door products. Factory assembled mulls are limited in height (100"), width (150").

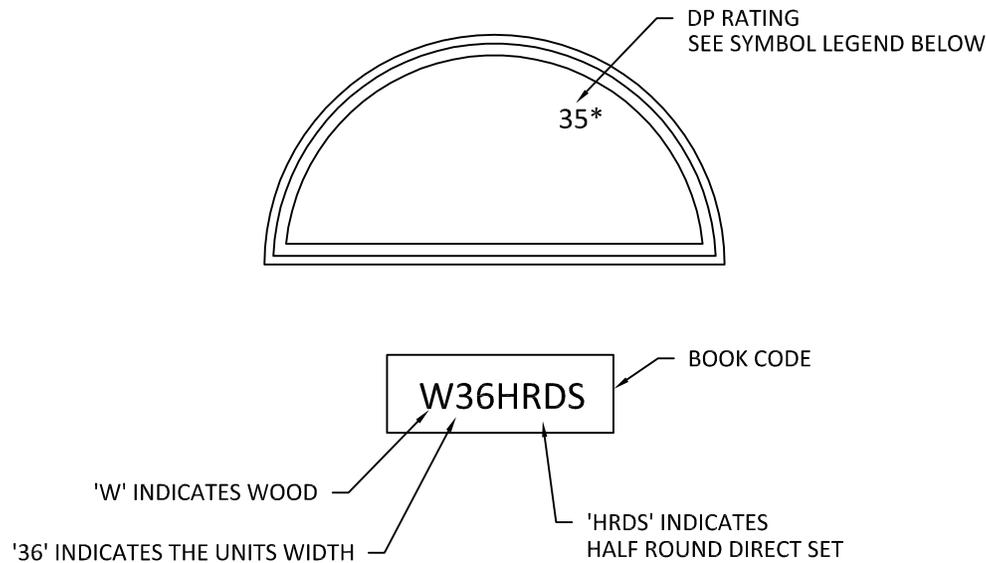


ELEVATION NOTES

ELEVATION DRAWINGS UTILIZE A LIMITED NUMBER OF PROJECTED LINES TO PRODUCE A RUDIMENTARY DRAWING INTENDED TO BE USED IN A SMALL GRAPHICAL SCALE. ELEVATIONS ARE VIEWED PERPENDICULAR FROM THE EXTERIOR OF THE STRUCTURE. IF MORE DIMENSIONS ARE NEEDED, USE THE SECTION DRAWINGS (Pages 8 & 9) FOR MORE COMPLETE DEPICTIONS.

BOOK CODE DEFINITIONS

- | | |
|----------------|---|
| 1. WXXHRDS | WOOD HALF ROUND DIRECT SET |
| 2. WDRXXHRDS | WOOD DOUBLE HUNG HALF ROUND DIRECT SET |
| 3. WIPDXXHRDS | WOOD INSWING PATIO DOOR HALF ROUND DIRECT SET |
| 4. WIPDTXXHRDS | WOOD INSWING PATIO DOOR TRUE HALF ROUND DIRECT SET |
| 5. WOPDXXHRDS | WOOD OUTSWING PATIO DOOR HALF ROUND DIRECT SET |
| 6. WOPDTXXHRDS | WOOD OUTSWING PATIO DOOR TRUE HALF ROUND DIRECT SET |
| 7. WXXQRDS | WOOD QUARTER ROUND DIRECT SET |
| 8. WXXFRDS | WOOD FULL ROUND DIRECT SET |
| 9. WOCTXXDS | WOOD OCTAGON DIRECT SET |
| 10. WDRXXQRDS | WOOD DOUBLE HUNG QUARTER ROUND DIRECT SET |



GENERAL NOTES

1. UNIT ELEVATIONS ARE SHOWN WITHOUT EXTERIOR TRIM. MASONRY OPENING & ROUGH OPENING ARE EQUAL. UNIT SIZE AND FRAME SIZE ARE EQUAL.
2. ALL UNITS SHOWN ARE AVAILABLE AS FIXED ONLY.
3. TO DETERMINE DAYLITE OPENING DEDUCT 3 7/16" [87] FROM FRAME SIZE.
4. UNITS ARE SHOWN AS ONE LITES. SEE THE STANDARD LITE CUT PAGES FOR INFORMATION ON AVAILABLE LITE CUT CONFIGURATIONS.
5. GLASS SIZES ARE NOMINAL.
6. VALUES IN BRACKETS ARE MILLIMETER CONVERSIONS.

ELEVATION SYMBOL LEGEND:

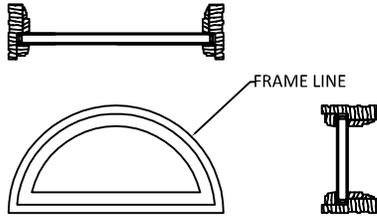
##* NUMBER INDICATES DESIGN PRESSURE (DP) RATING WITH STANDARD GLAZING.

**ELEVATION NOTES
CONT'D**

GEOMETRIC ELEVATIONS:

THE POSSIBLE SHAPES AND CONFIGURATIONS OF GEOMETRIC WINDOWS ARE TOO NUMEROUS TO OFFER IN A DRAWING FORMAT. CREATE THE OUTSIDE FRAME LINES OF THE GEOMETRIC WINDOW SHAPE DESIRED. REFER TO PAGES 56 & 57 (SECTION DETAILS & DIMENSIONS) TO FIND THE APPROPRIATE OFFSET DIMENSIONS FOR FRAME FEATURES AND DAYLIGHT OPENING. THE FOLLOWING INFORMATION DETAILS THE CREATION OF TRIM AND SUBSILL FOR GEOMETRIC ELEVATIONS.

STANDARD ELEVATIONS



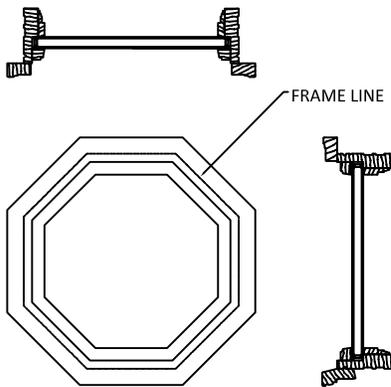
STANDARD GEOMETRIC ELEVATIONS

GEOMETRIC ELEVATIONS (PAGES 69 TO 75) ARE DRAWN AS 'FRAME ONLY' (WITHOUT TRIM) TO SIMPLIFY MULLING AND MULTIPLE ASSEMBLIES. TRIM AND SUBSILL APPLICATIONS CAN EASILY BE OFFSET FROM FRAME LINES TO CREATE THE DESIRED TRIM AND FINISH.

MULLING WOOD UNITS

WOOD ELEVATIONS FROM OTHER PRODUCT LINES HAVE BRICKMOULD SHOWN AS THE STANDARD OFFERING. REFER TO THE SECTION DETAILS & DIMENSIONS PAGE OF THAT PRODUCT TYPE TO DETERMINE THE OFFSET FROM BRICKMOULD TO FRAME. THIS WILL SHOW THE OUTSIDE FRAME LINE HIDDEN BY THE BRICKMOULD.

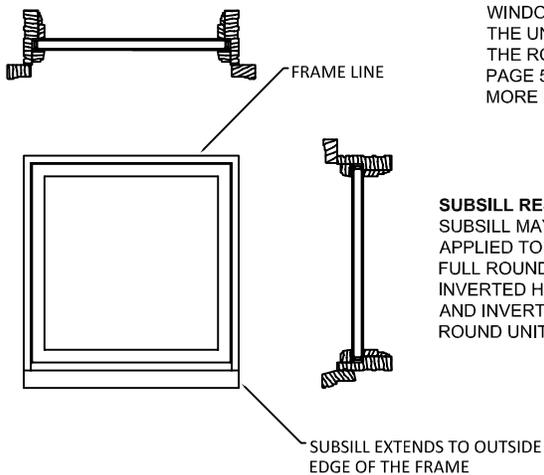
TRIM - ALL SIDES



TRIM - ALL SIDES

APPLYING TRIM TO ALL 4 SIDES OF AN ELEVATION IS AN OFFSET FROM THE FRAME. SEE PAGE 58 (UNIT SIZING, ROUGH OPENINGS & MASONRY OPENINGS) FOR OFFSET DIMENSIONS OF VARIOUS TRIM OPTIONS.

SUBSILL

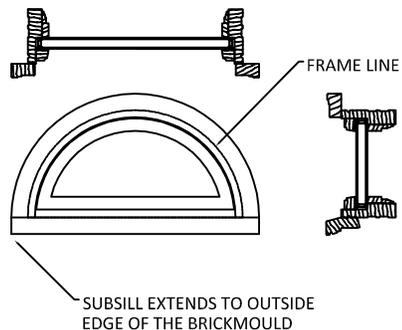


SUBSILL

SUBSILL IS APPLIED TO THE BOTTOM OF STRAIGHT LINE PORTIONS OF THE WINDOW. THE SUBSILL IS CONTINUOUS TO THE OUTSIDE DIMENSIONS OF THE UNITS FRAME OR TRIM. THE APPLICATION OF SUBSILL WILL AFFECT THE ROUGH OPENING BY ADDING 1" TO THE ROUGH OPENING HEIGHT. SEE PAGE 58 (UNIT SIZING, ROUGH OPENINGS & MASONRY OPENINGS) FOR MORE INFORMATION.

SUBSILL RESTRICTIONS

SUBSILL MAY NOT BE APPLIED TO OCTAGON, FULL ROUND, OVAL, INVERTED HALF ROUND AND INVERTED QUARTER ROUND UNITS.

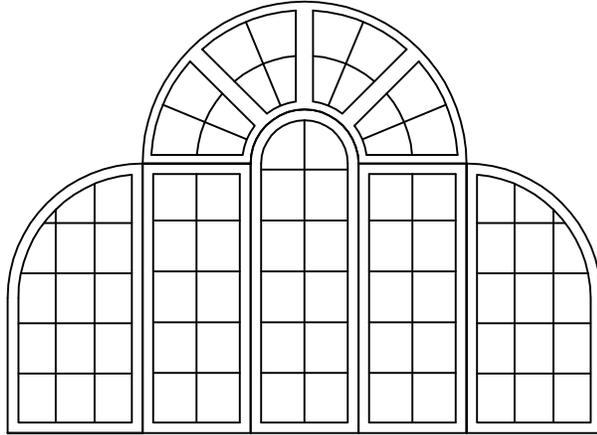


LITE CUT INFORMATION

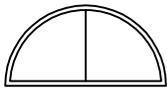
Custom Wood direct set geometric windows are available with removable grilles in 7/8", 1-1/8" and 1-3/8" widths, GBG (Grilles between the glass) and Simulated Divided Lites. Standard lite cuts are rectangular.

BAR ALIGNMENT

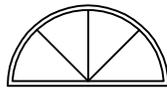
Alignment of divided lite muntin bars from one window to the next is often required by fine architectural design. Wood grilles, GBG (Grilles between the Glass), and Simulated Divided Lites may be specified with muntin bars aligned.



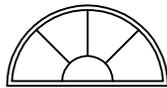
HALF ROUND BREAKUP PATTERNS



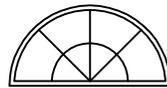
200 SERIES



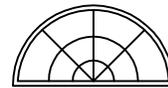
400 SERIES



500 SERIES



800 SERIES



1200 SERIES

QUARTER ROUND BREAKUP PATTERNS



200 SERIES

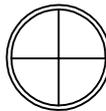


400 SERIES

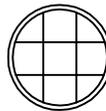


600 SERIES

FULL ROUND BREAKUP PATTERNS



400 SERIES



900 SERIES

OCTAGON BREAKUP PATTERNS



400 SERIES



900 SERIES

**STANDARD LITE CUT
CONT'D**

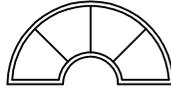
INVERTED RADIUS SILL NOTE:
Inverted radius sills have continuous head and sill configurations. The twin, triple and quad units utilize a mullion post as part of a single unit. Single lines represent grille and thermal bar lite break ups. Twin, triple and quad units are single units with mullion posts being represented by several lines.

INVERTED HALF ROUND BREAKUP PATTERNS

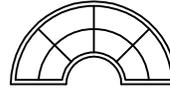
INVERTED HALF ROUND SILL



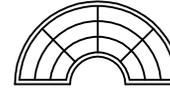
200 SERIES
RADIUS HUB



400 SERIES



800 SERIES

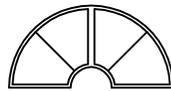


1200 SERIES

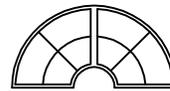
INVERTED HALF ROUND SILL - TWIN



200 SERIES
RADIUS HUB



200 SERIES



400 SERIES



600 SERIES

INVERTED HALF ROUND SILL - TRIPLE



200 SERIES
RADIUS HUB



200 SERIES



400 SERIES



600 SERIES

INVERTED HALF ROUND SILL - QUAD



200 SERIES
RADIUS HUB



200 SERIES



400 SERIES



600 SERIES

INVERTED QUARTER ROUND BREAKUP PATTERNS

INVERTED QUARTER ROUND SILL



200 SERIES
RADIUS HUB



200 SERIES



400 SERIES



600 SERIES

INVERTED QUARTER ROUND SILL - TWIN



200 SERIES
RADIUS HUB



200 SERIES



400 SERIES



600 SERIES

INVERTED QUARTER ROUND SILL - TRIPLE



200 SERIES
RADIUS HUB



200 SERIES



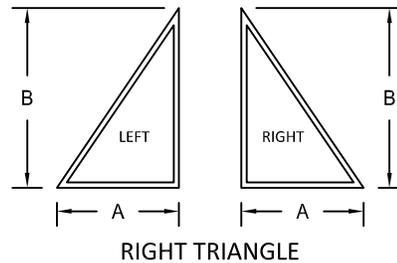
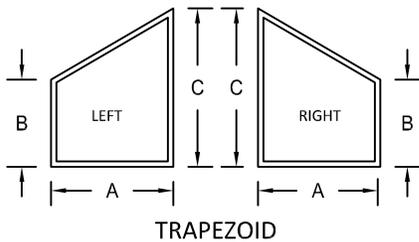
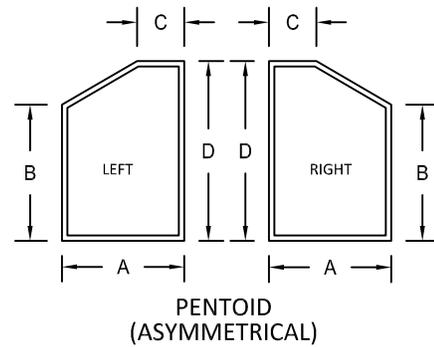
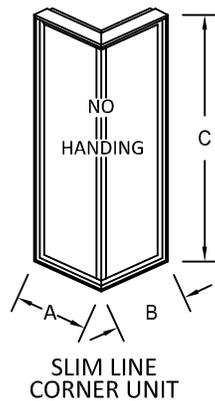
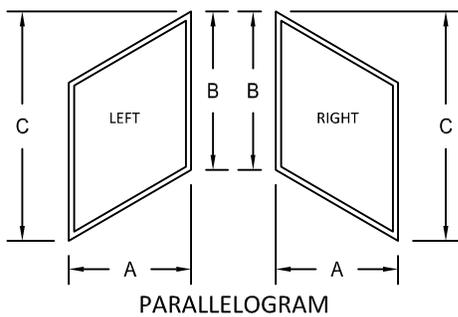
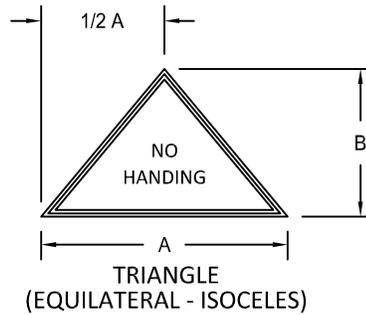
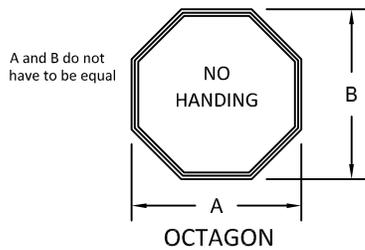
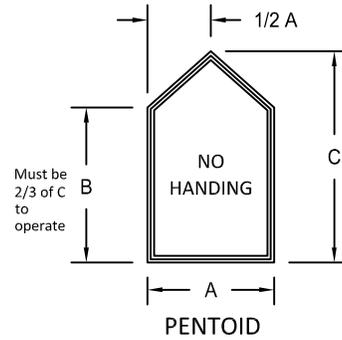
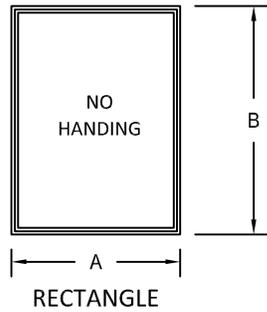
400 SERIES



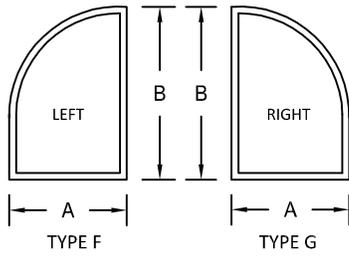
600 SERIES

STRAIGHT LINE SHAPES

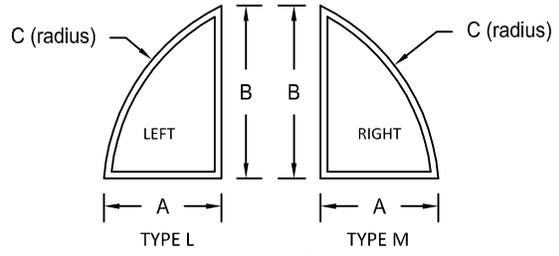
ALL GEOMETRIC WINDOW SHAPES ARE VIEWED FROM THE EXTERIOR.



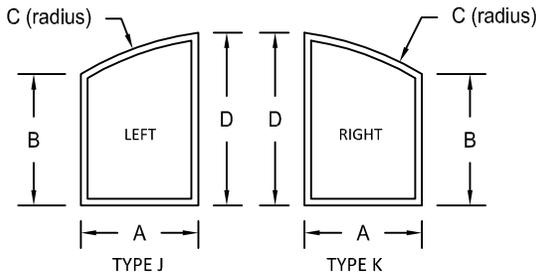
RADIUS SHAPES



**OPEN BOTTOM
QUARTER ROUND**

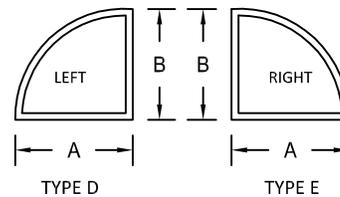


**HANDED
SECTOR**

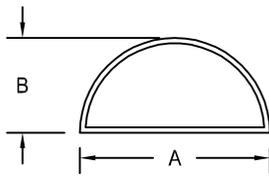


**OPEN BOTTOM - HANDED
SECTOR**

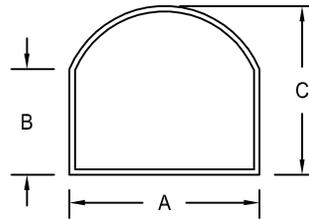
ALL GEOMETRIC WINDOW SHAPES ARE VIEWED FROM THE EXTERIOR.



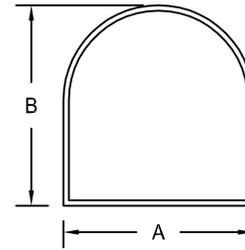
QUARTER ROUND



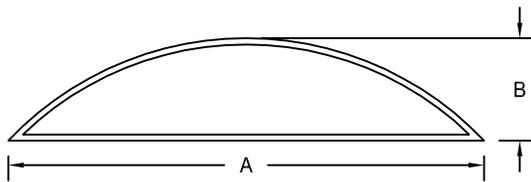
**TYPE B
HALF ROUND**



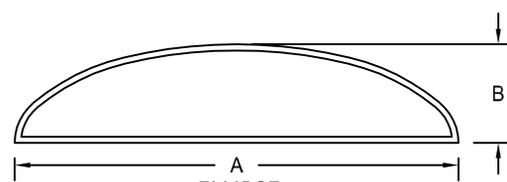
**TYPE I
OPEN BOTTOM
SECTOR**



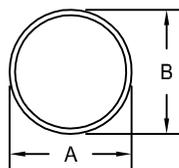
**TYPE C
OPEN BOTTOM
HALF ROUND**



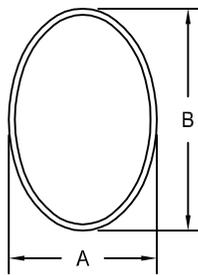
**TYPE H
SECTOR**



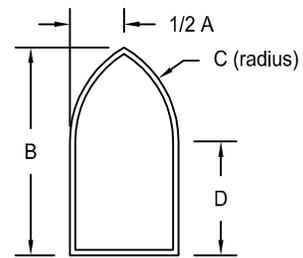
ELLIPSE



**TYPE A
FULL ROUND**



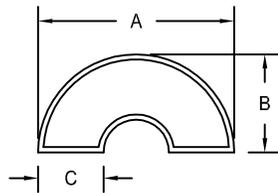
OVAL



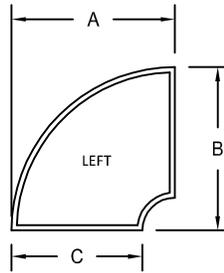
GOTHIC

**RADIUS SHAPES
CONT'D**

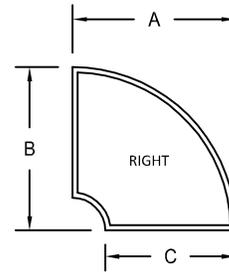
ALL GEOMETRIC WINDOW SHAPES ARE VIEWED FROM THE EXTERIOR.



TYPE BI - 1
INVERTED HALF ROUND

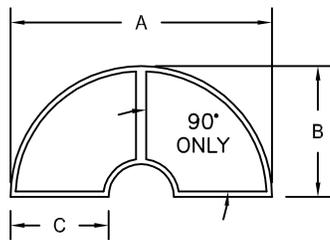


TYPE DI - 1

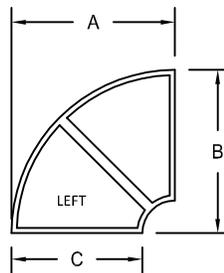


TYPE EI - 1

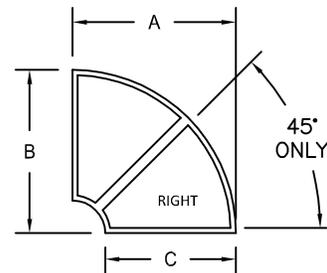
INVERTED QUARTER ROUND



TYPE BI - 2
INVERTED HALF ROUND - TWIN

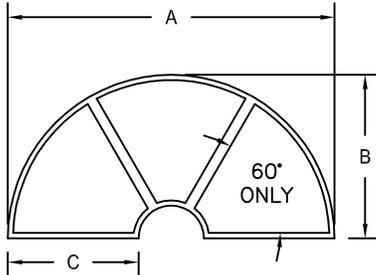


TYPE DI - 2

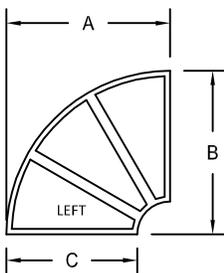


TYPE EI - 2

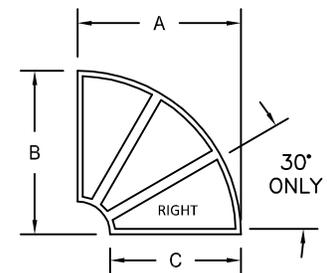
INVERTED QUARTER ROUND - TWIN



TYPE BI - 3
INVERTED HALF ROUND - TRIPLE

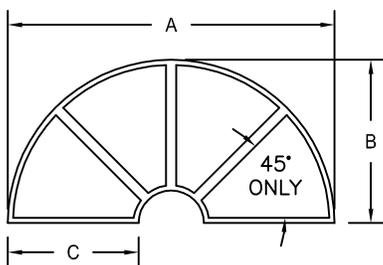


TYPE DI - 3



TYPE EI - 3

INVERTED QUARTER ROUND - TRIPLE

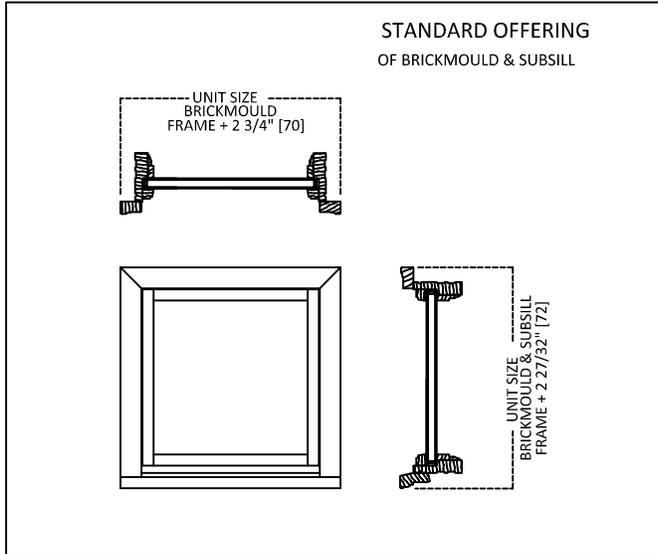


TYPE BI - 4
INVERTED HALF ROUND - QUAD

INVERTED HALF ROUND AND QUARTER ROUND UNITS

INVERTED HALF ROUND AND QUARTER ROUND UNITS HAVE CONTINUOUS HEAD AND SILL CONFIGURATIONS WHICH UTILIZE MULLION POSTS FROM FRAME TO FRAME. SEE PAGE 57 (SECTION DETAILS & DIMENSIONS) FOR MULLION POST SPECIFICATIONS. THE MULLION POSTS ARE POSITIONED RADIALLY FROM THE CENTER POINT OF THE SILL RADIUS.

**UNIT SIZING, ROUGH OPENINGS &
MASONRY OPENINGS**

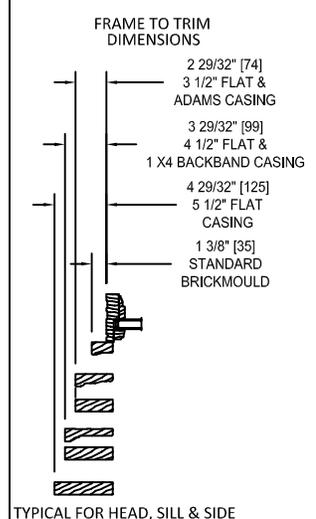
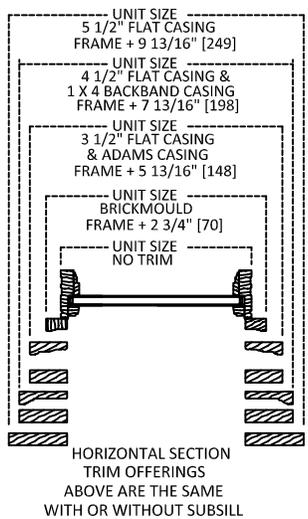
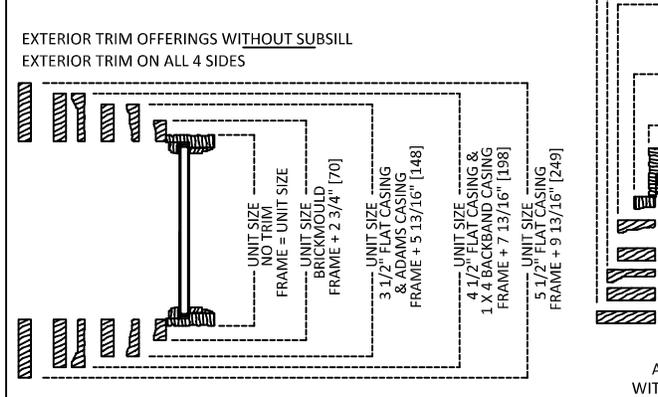
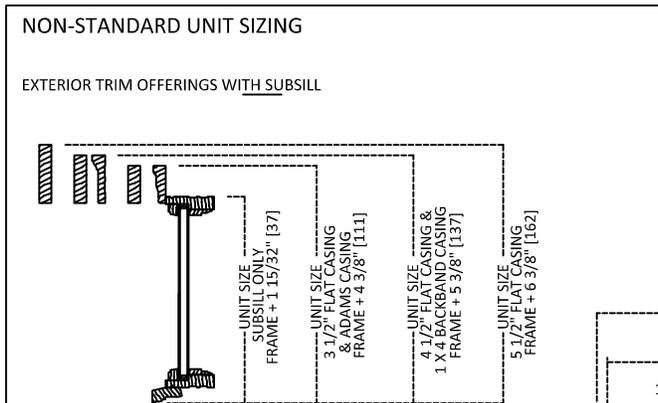
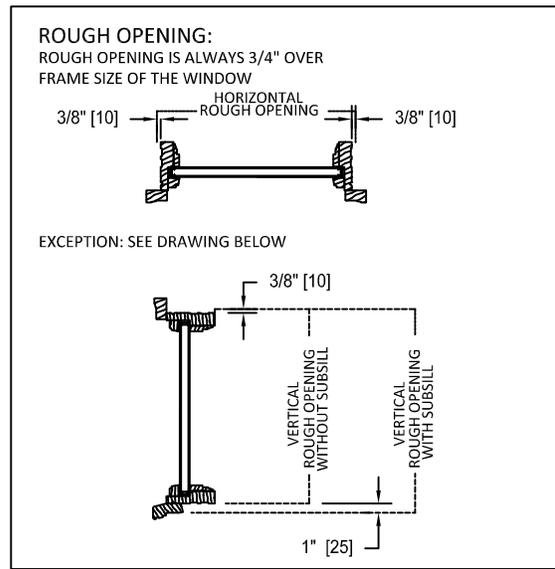


GENERAL NOTES:

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

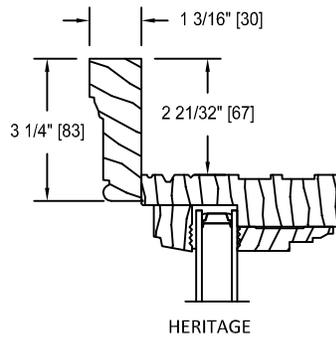
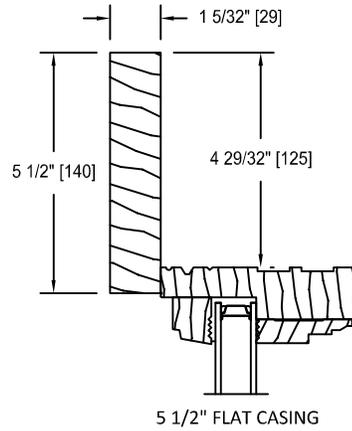
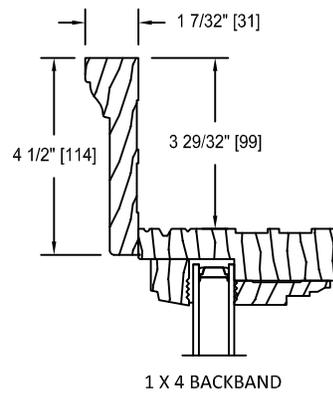
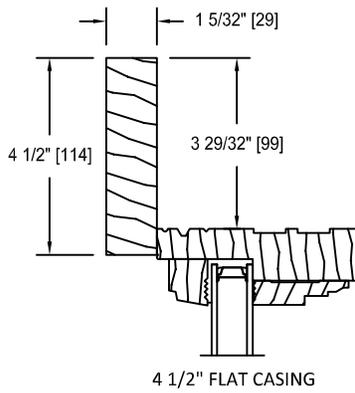
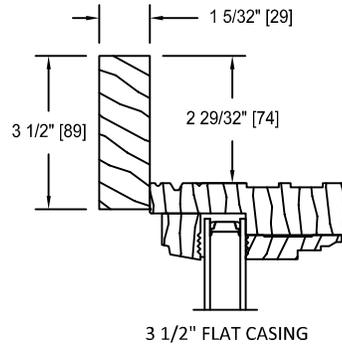
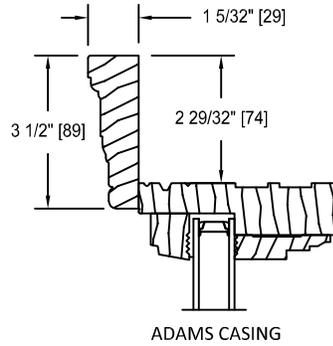
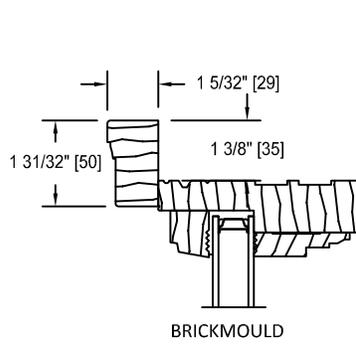
UNIT SIZE IS ALWAYS THE
EXTREME SIZE OF THE WINDOW
WITH OR WITHOUT TRIM

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

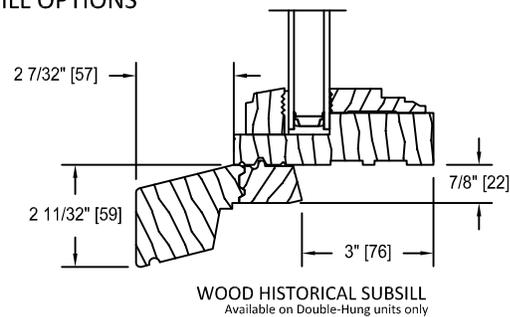
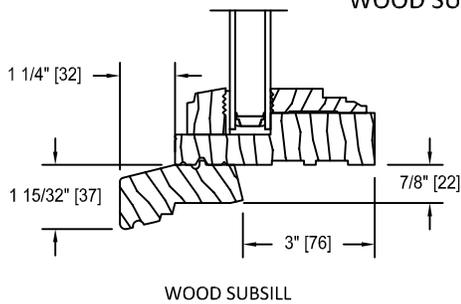


TRIM OPTIONS

WOOD EXTERIOR TRIM

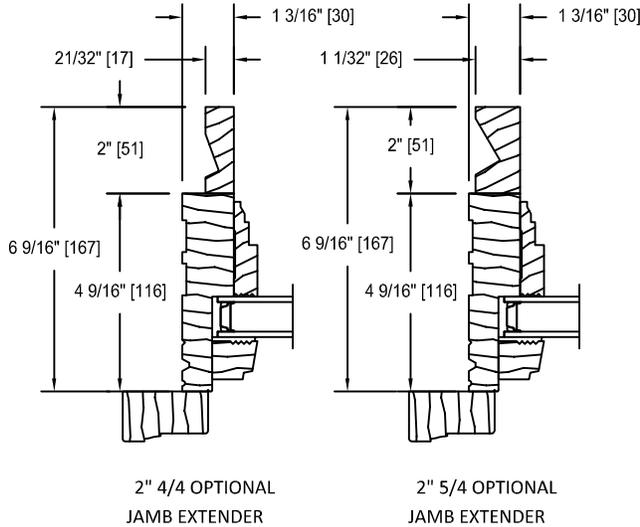


WOOD SUBSILL OPTIONS

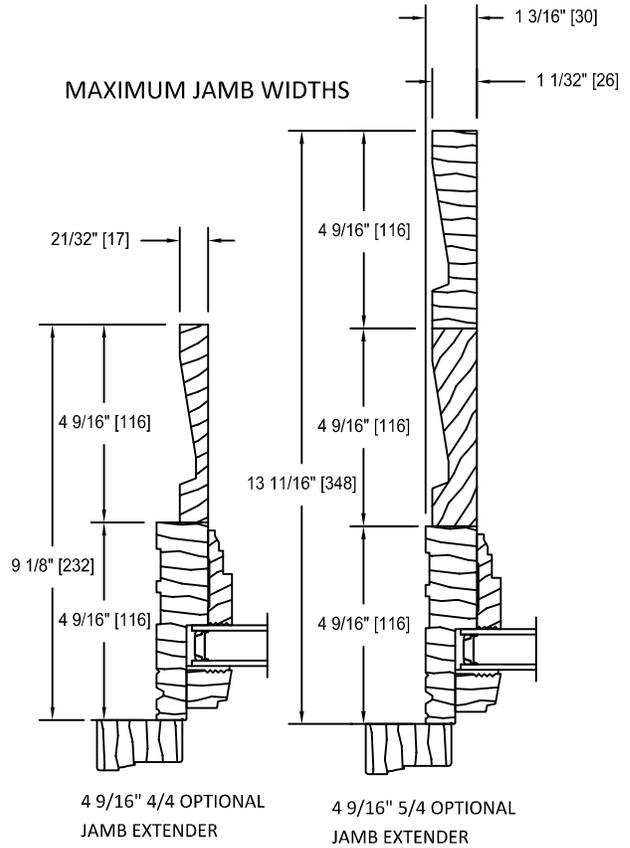


JAMB EXTENDER & STUCCO TRIM OPTIONS

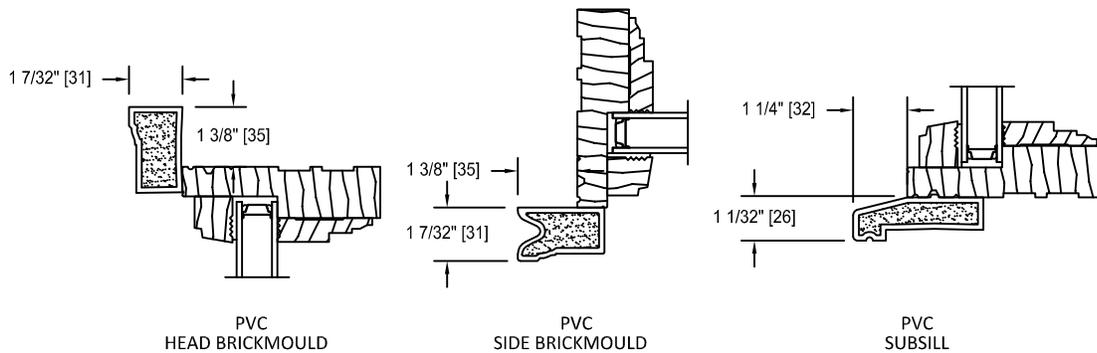
JAMB EXTENDER OPTIONS



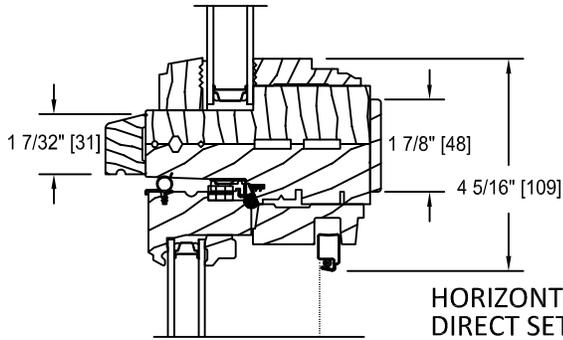
MAXIMUM JAMB WIDTHS



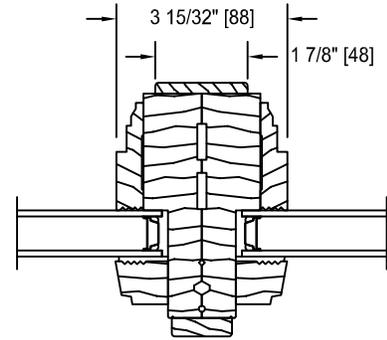
STUCCO TRIM OPTION



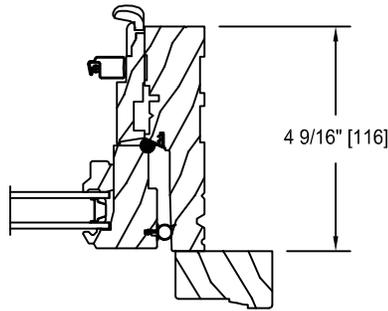
**MULLION DETAILS
WITH CUSTOM CASEMENT**



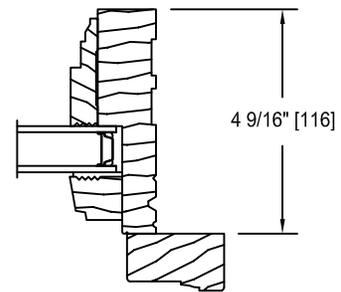
**HORIZONTAL MULLION
DIRECT SET GEOMETRIC
PREMIUM CASEMENT
4 9/16\"**



**VERTICAL MULLION
AT DIRECT SET GEOMETRIC
4 9/16\"**

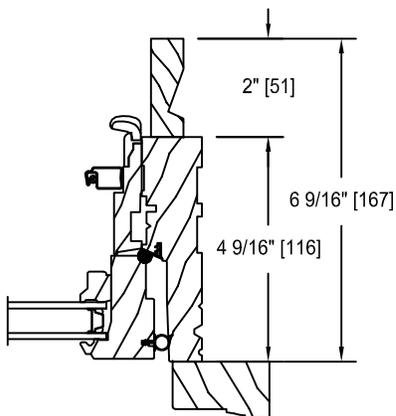


**VERTICAL JAMB
AT PREMIUM CASEMENT**

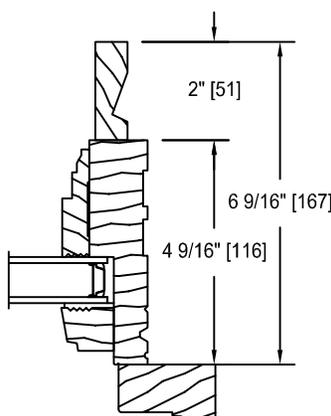


**VERTICAL JAMB
AT DIRECT SET GEOMETRIC**

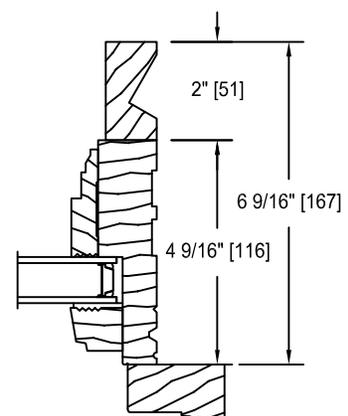
6 9/16\"



**VERTICAL JAMB
AT PREMIUM CASEMENT
4/4 JAMB EXTENDER OPTION**



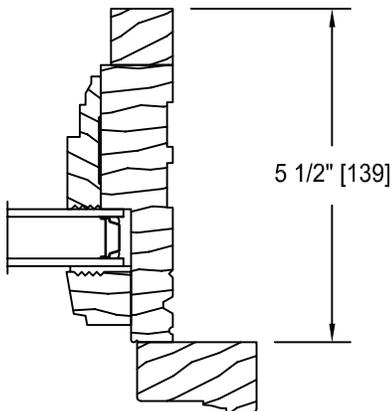
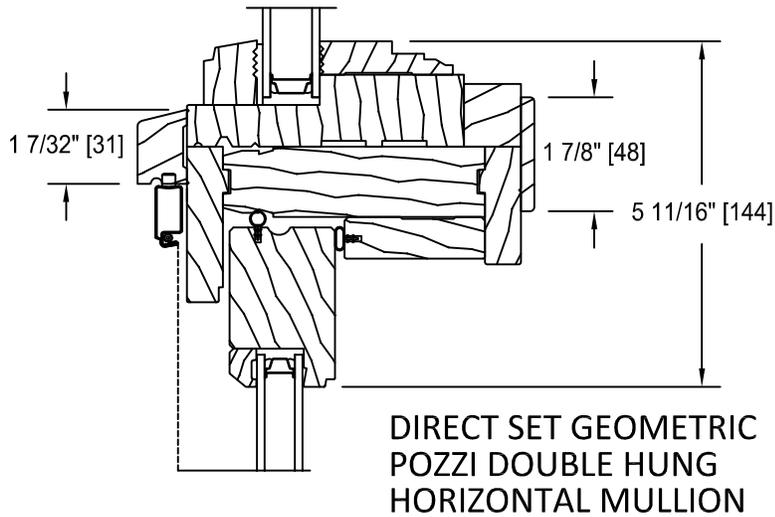
**VERTICAL JAMB
AT DIRECT SET GEOMETRIC
4/4 JAMB EXTENDER OPTION**



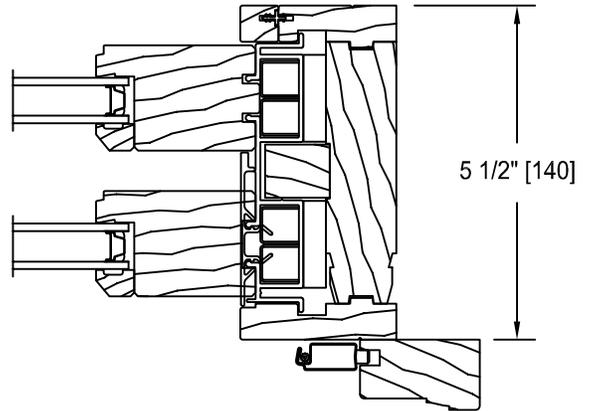
**VERTICAL JAMB
AT DIRECT SET GEOMETRIC
5/4 JAMB EXTENDER OPTION**

MULLION DETAILS
WITH CUSTOM DOUBLE-HUNG

5 1/2" JAMB



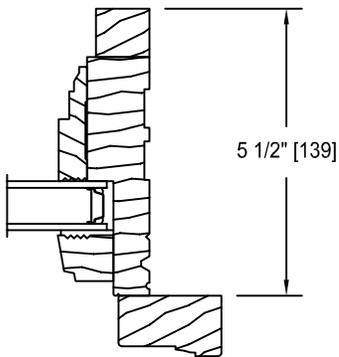
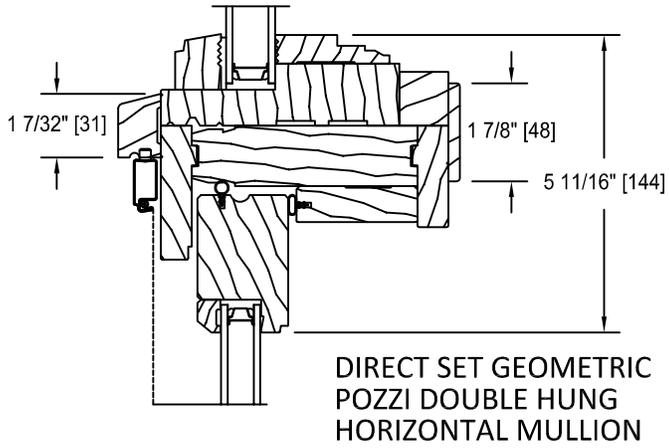
VERTICAL
AT DIRECT SET GEOMETRIC



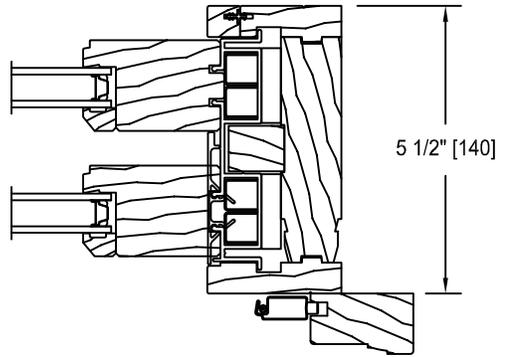
VERTICAL JAMB
AT EPIC DOUBLE HUNG

MULLION DETAILS
WITH EPIC DOUBLE-HUNG

5 1/2" JAMB

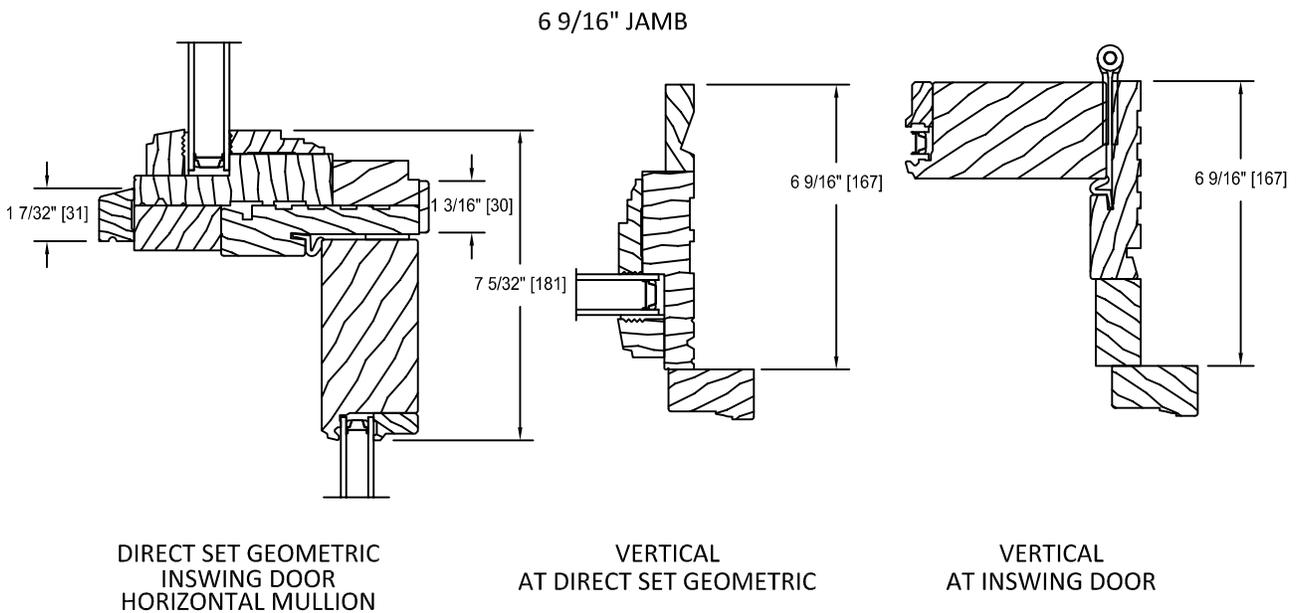
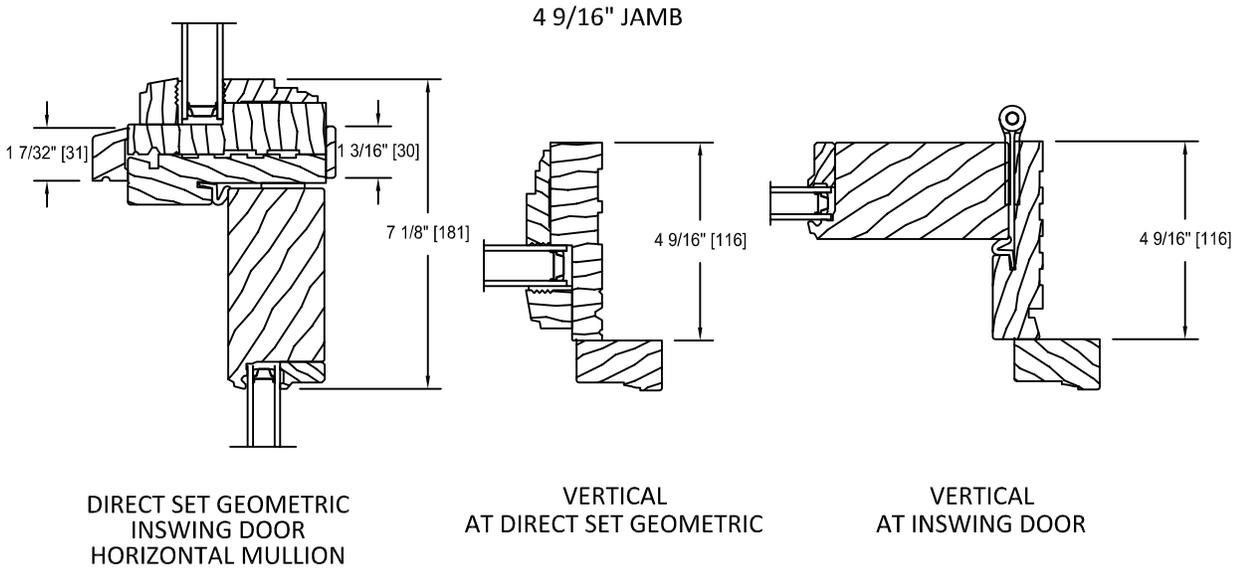


VERTICAL
AT DIRECT SET GEOMETRIC

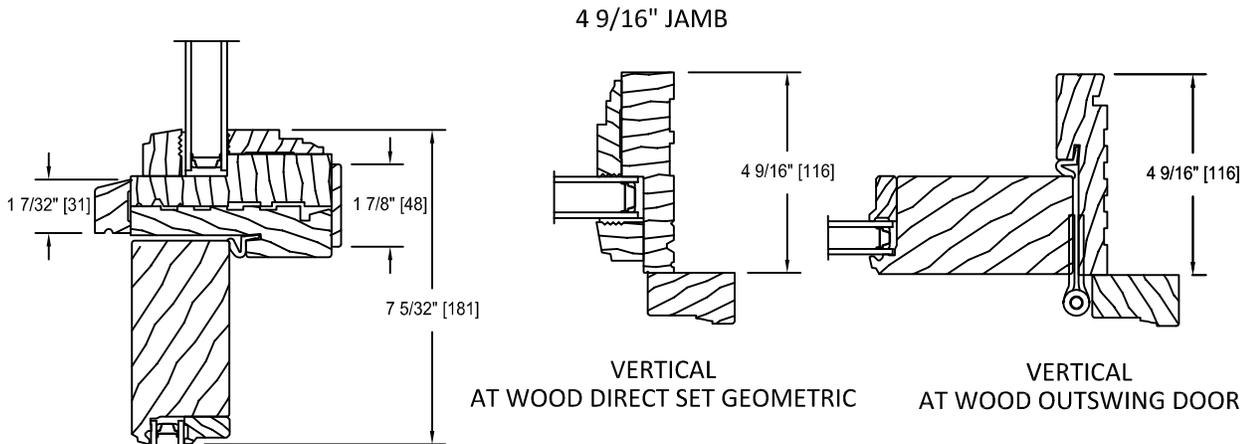


VERTICAL JAMB
AT EPIC DOUBLE HUNG

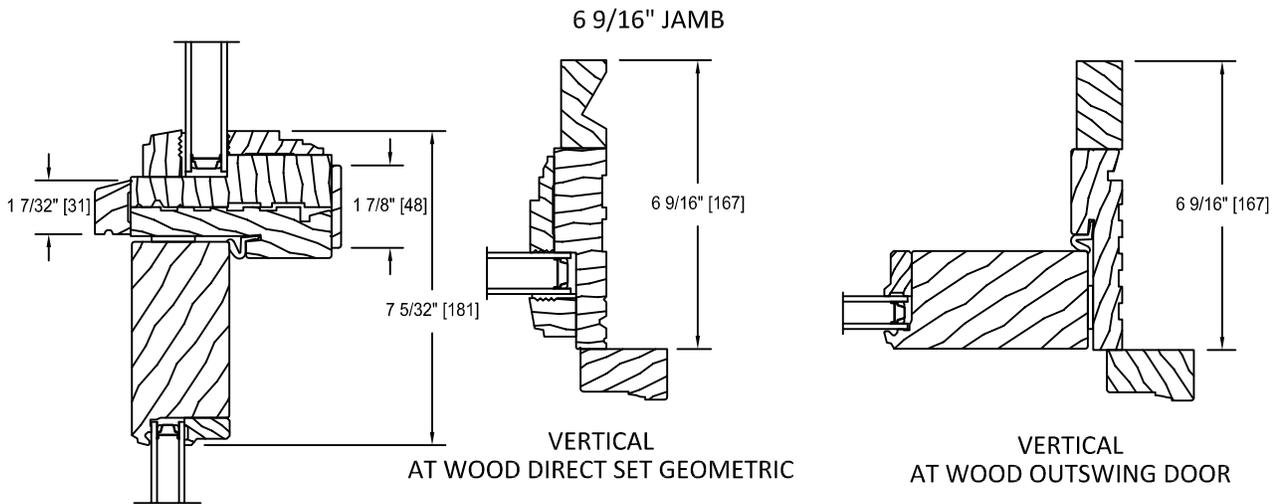
**MULLION DETAILS
WITH CUSTOM IN-SWING DOOR**



MULLION DETAILS
WITH CUSTOM OUT-SWING DOOR



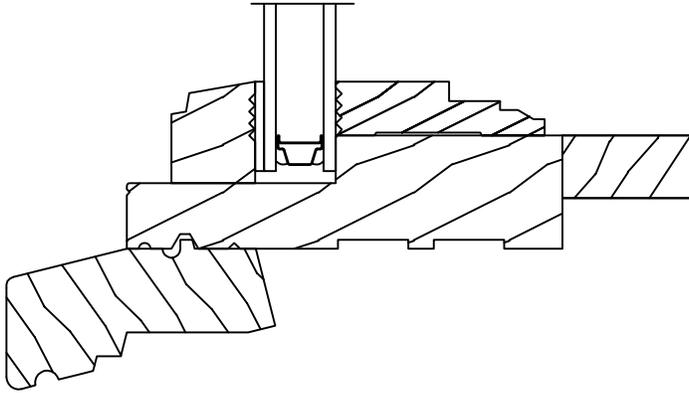
WOOD IN SASH GEOMETRIC
WOOD OUTSWING DOOR
HORIZONTAL MULLION



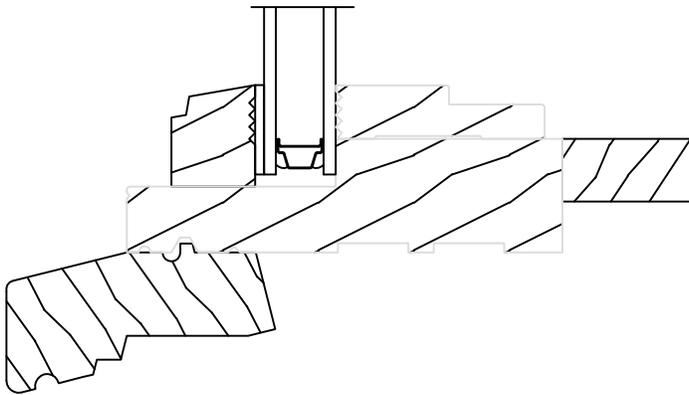
WOOD IN SASH GEOMETRIC
WOOD OUTSWING DOOR
HORIZONTAL MULLION

CUSTOM DIRECT SET
STOP OPTIONS

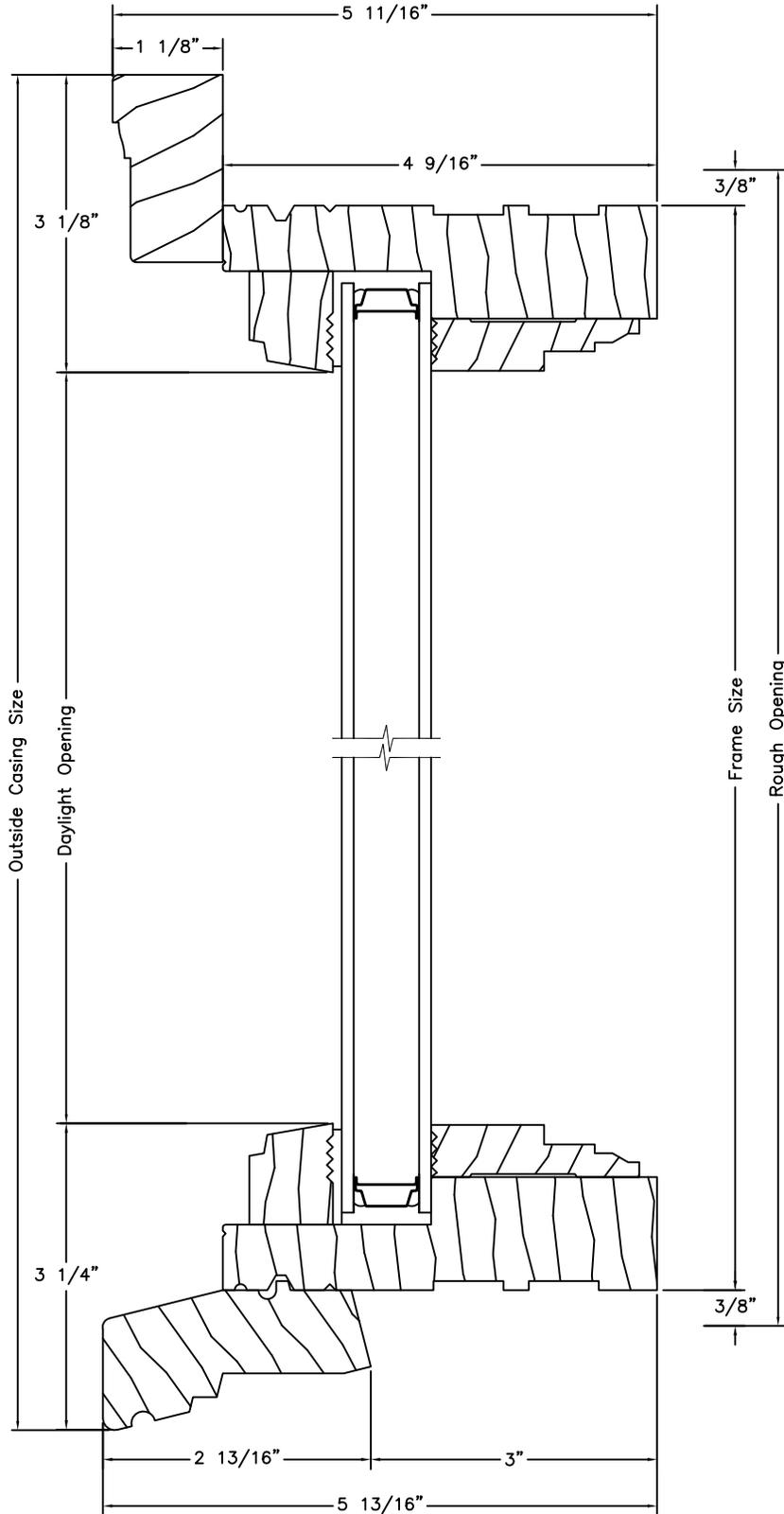
STANDARD



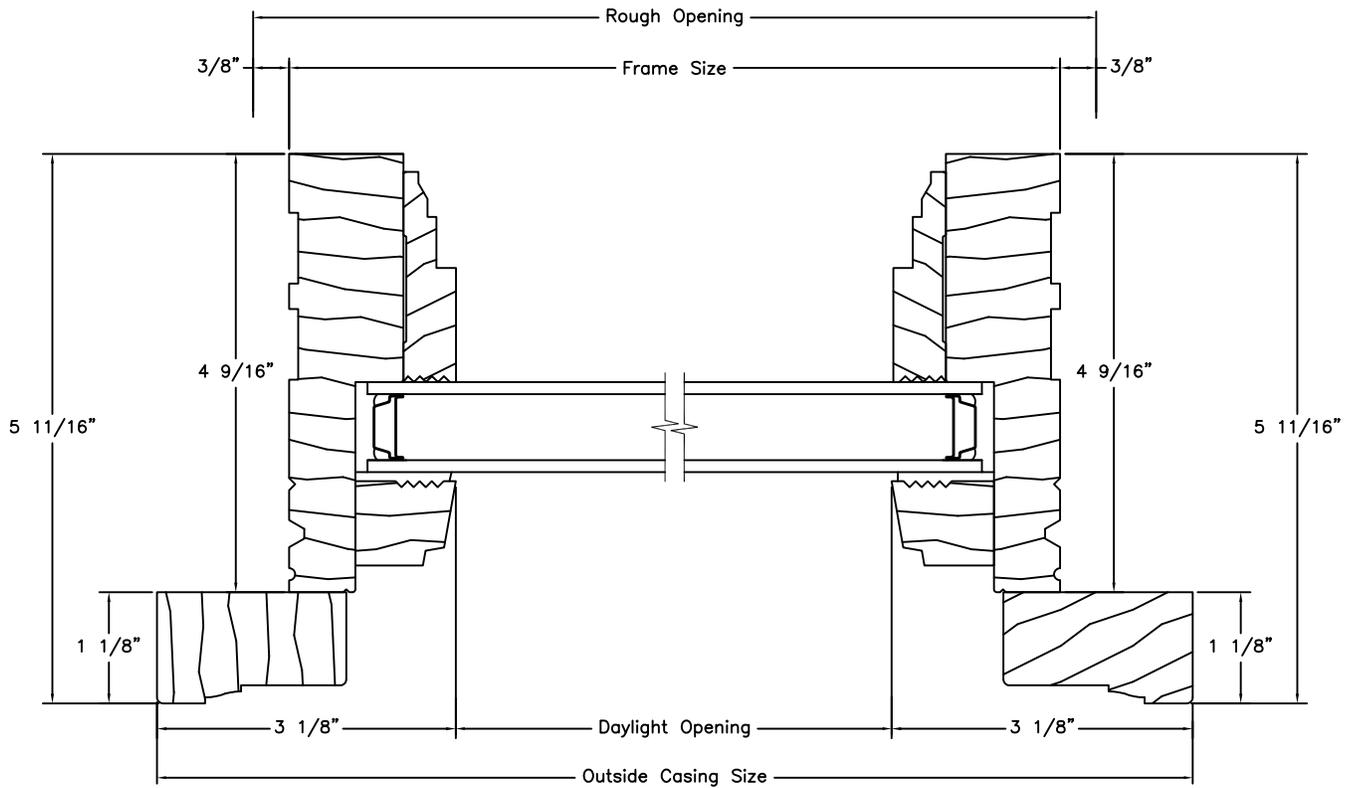
CONTEMPORARY



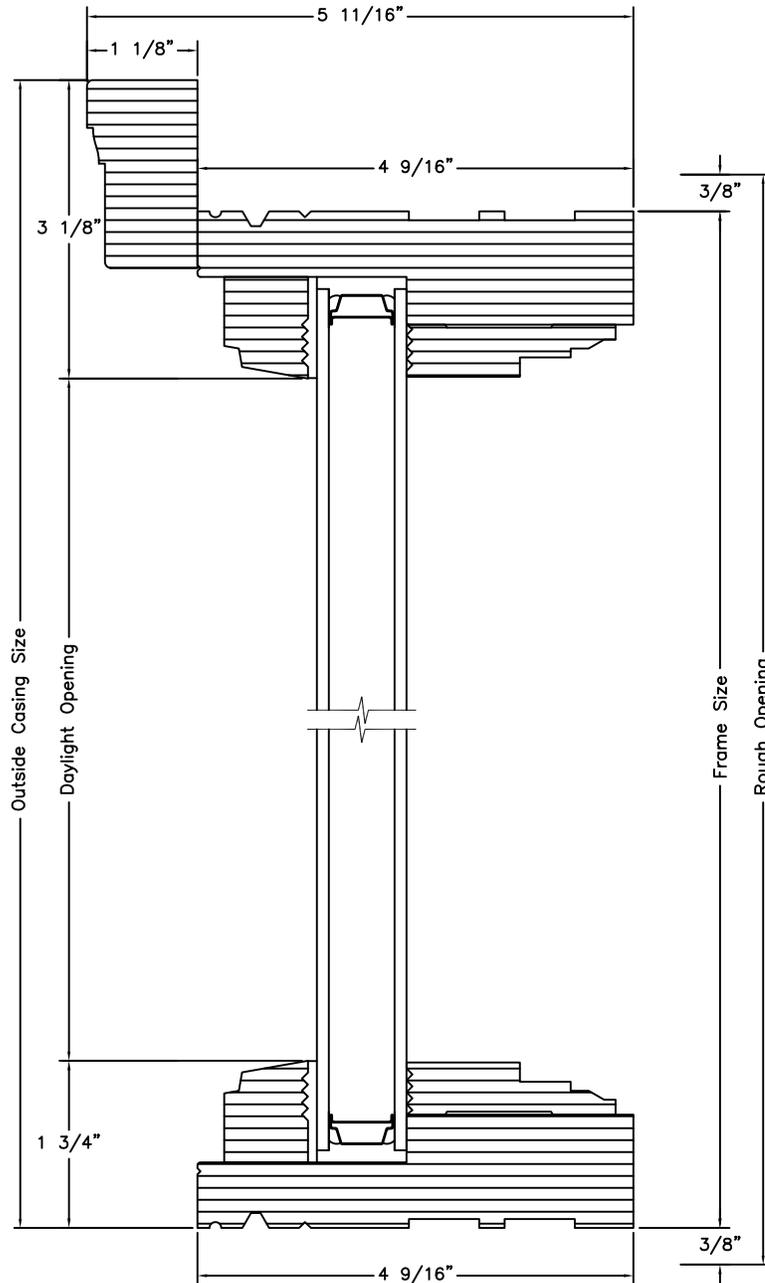
VERTICAL SECTION
STRAIGHTLINE GEOMETRIC



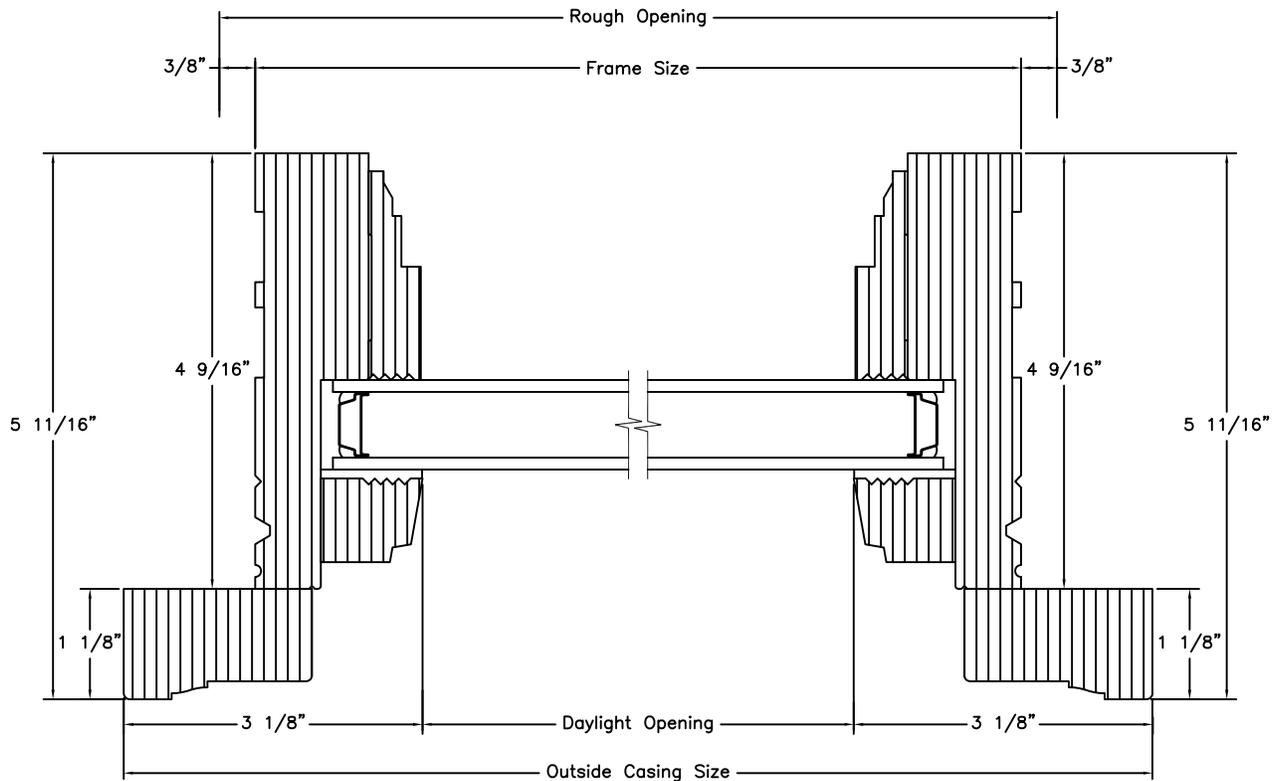
HORIZONTAL SECTION
STRAIGHTLINE GEOMETRIC



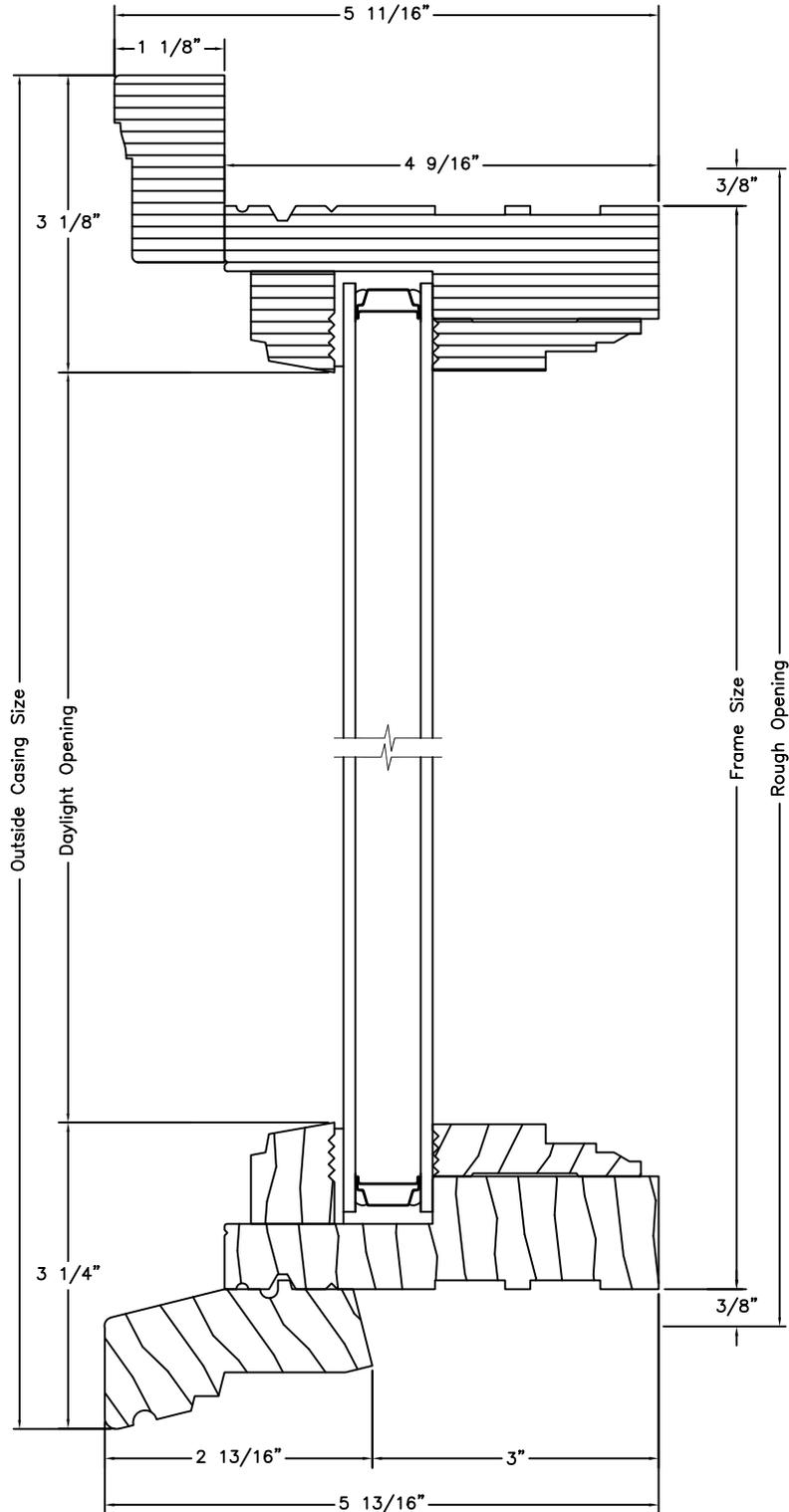
VERTICAL SECTION
INVERTED RADIUS SILL



HORIZONTAL SECTION
INVERTED RADIUS SILL



VERTICAL SECTION
RADIUS HEAD



HORIZONTAL SECTION
RADIUS HEAD

