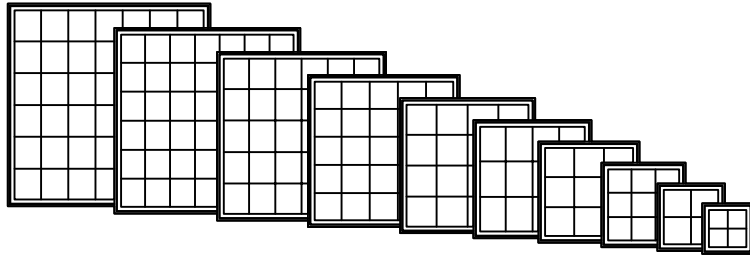

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GENERAL INFORMATION
CASEMENT



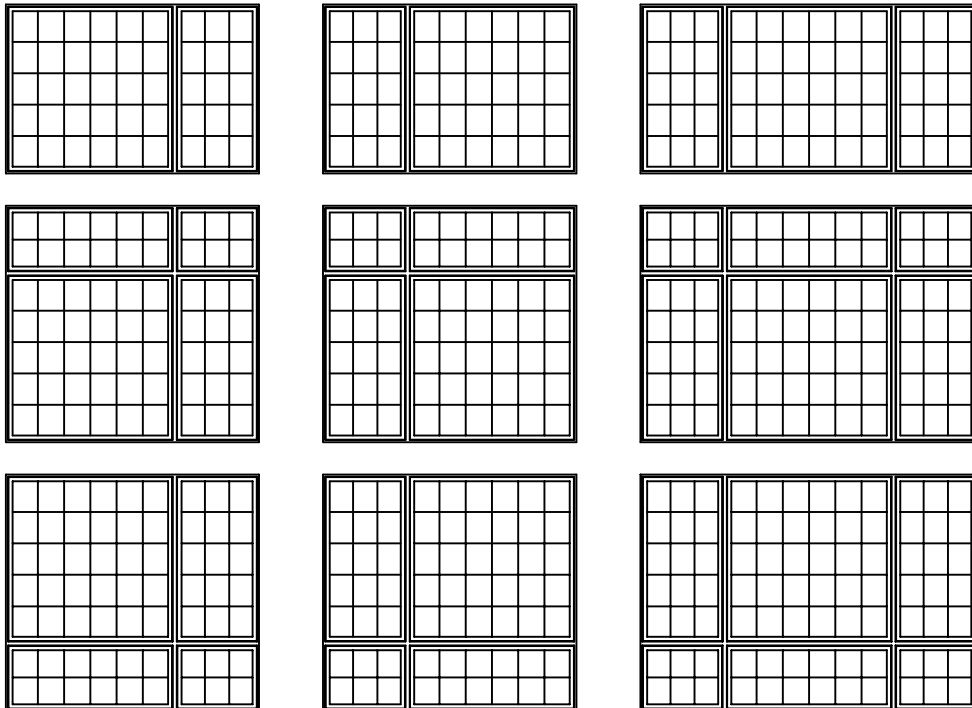
DIMENSIONAL WINDOWS

Clad casement windows may be specified as "dimensional", by adjusting the desired rough opening width or height in 1/16" increments from standard.

Clad casement windows are available with left or right hand operation, or stationary (non-venting). Operating mechanism includes corrosion resistant steel hinges and dual arm roto-type operator with hardened steel gears and operating arms. Sash locks are concealed unison type with an exposed locking lever and escutcheon plate. There are several interior hardware finish options. Refer to the Specifications for finish options.

MULTIPLE ASSEMBLIES

Clad casement windows may be mullered above, below, or beside other clad casement windows, or other clad window products. Factory assembled mulls are limited in height (100"), width (150"), and a total area (75 square feet).

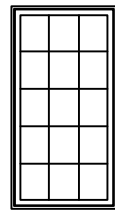


LITE CUT INFORMATION

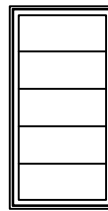
Clad casement windows are available with removable grilles in 7/8", 1-1/8" and 1-3/8" widths, Airspace (between the panes) grilles, and Simulated Divided Lites. Standard lite cuts are rectangular, and conform to the layouts noted in the charts on the next page. To use the chart, refer to the appropriate table by the type of window and type of bars or grilles the section drawings illustrate. Then simply cross reference the frame Height and Width to determine the standard lite cut.

LITE CUT OPTIONS

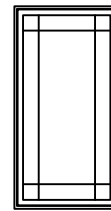
Special lite cut patterns can include a wide variety of straight line and radius patterns. The illustrations shown here represent just a few of the possibilities. Rectangular, horizontal, vertical and Prairie lite patterns are available in all standard size clad casement windows. Uneven, diamond, radius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



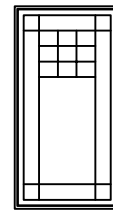
RECTANGULAR



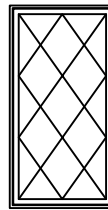
HORIZONTAL



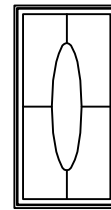
PRAIRIE



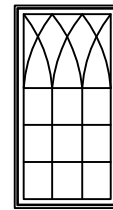
UNEVEN



DIAMOND



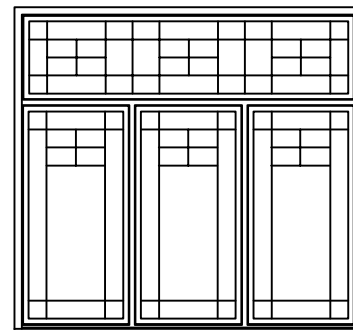
RADIUS



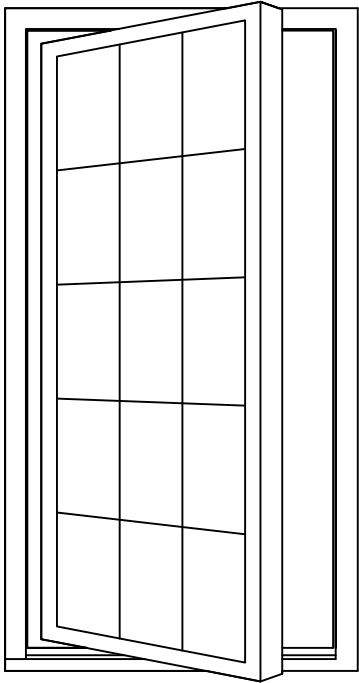
GOthic

BAR ALIGNMENT

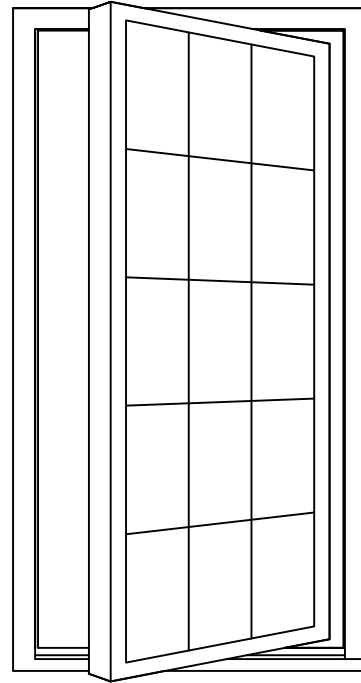
Alignment of divided lite muntin bars from one window to the next is often required by fine architectural design. Wood grilles, Grilles Between the Glass, grilles, and Simulated Divided Lites may be specified with muntin bars aligned.



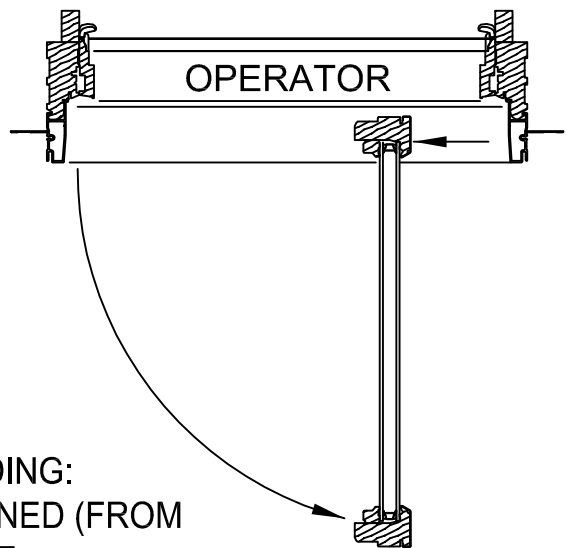
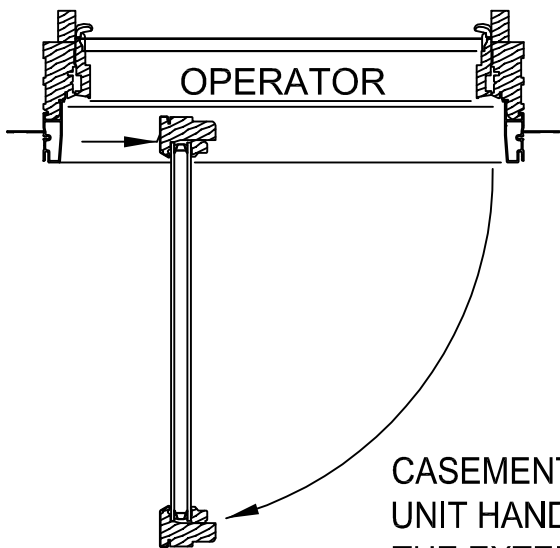
HANDLING & OPERATION
CASEMENT



LEFT
HAND

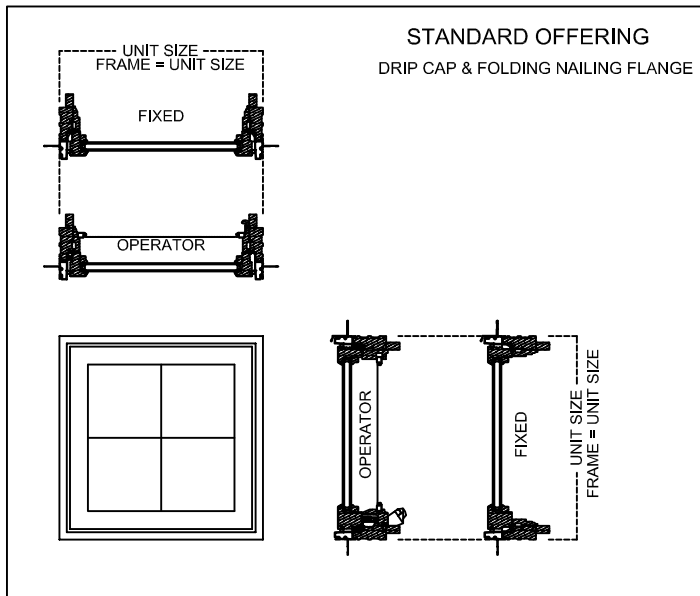


RIGHT
HAND



CASEMENT UNIT HANDING:
UNIT HANDING IS DEFINED (FROM
THE EXTERIOR) AS THE
DIRECTION THE SASH OPENS.

UNIT SIZING, ROUGH OPENINGS & MASONRY OPENINGS



GENERAL NOTES:

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

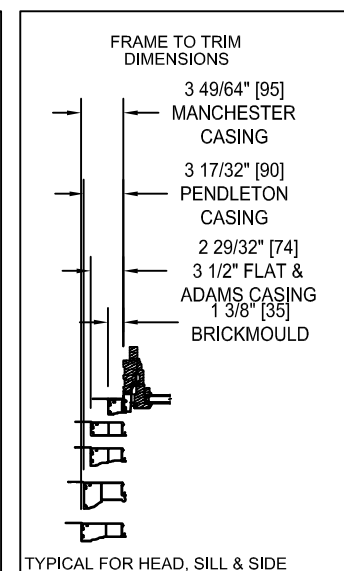
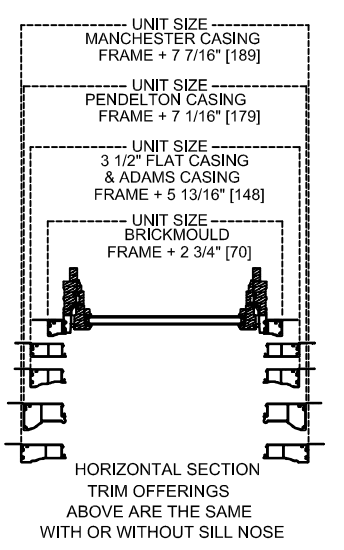
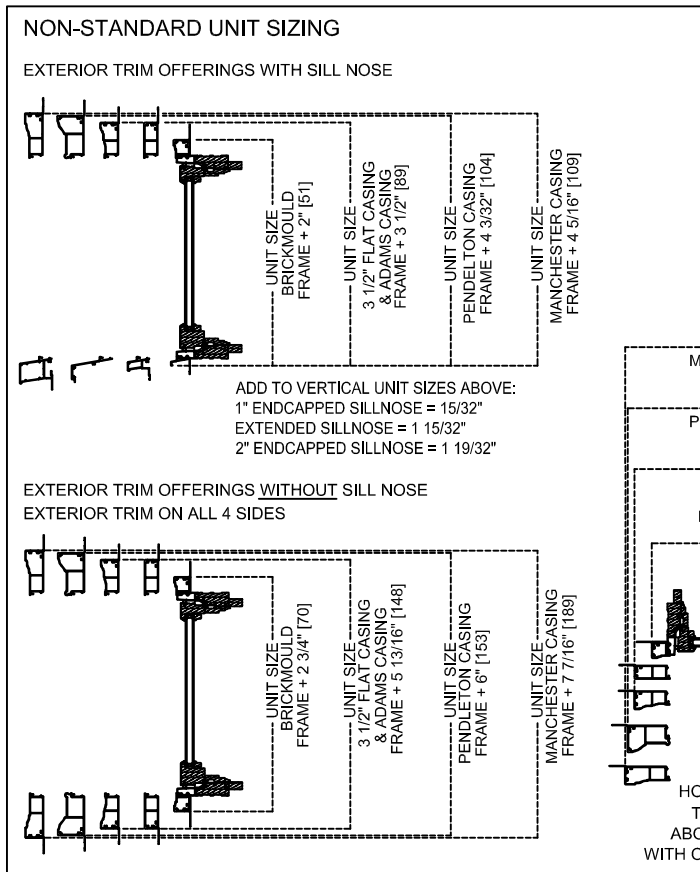
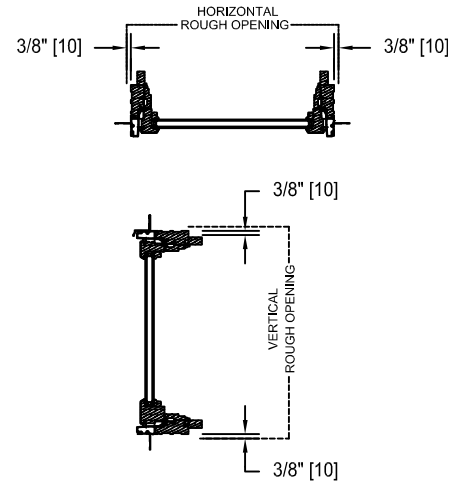
UNIT SIZE IS ALWAYS THE
EXTREME SIZE OF THE WINDOW
WITH OR WITHOUT TRIM
(DRIP CAP & NAILING FLANGE ARE
NOT ADDED TO ANY UNIT SIZING)

MASONRY OPENING:

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

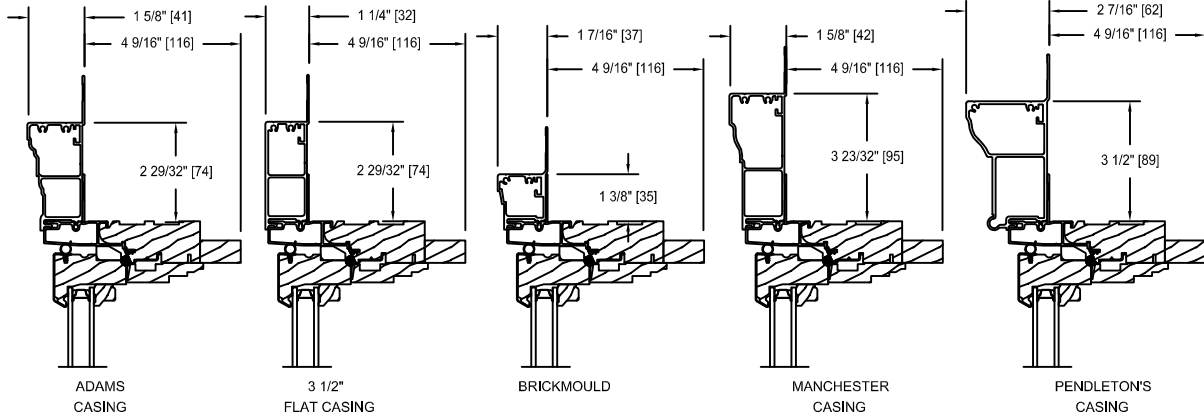
ROUGH OPENING:

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

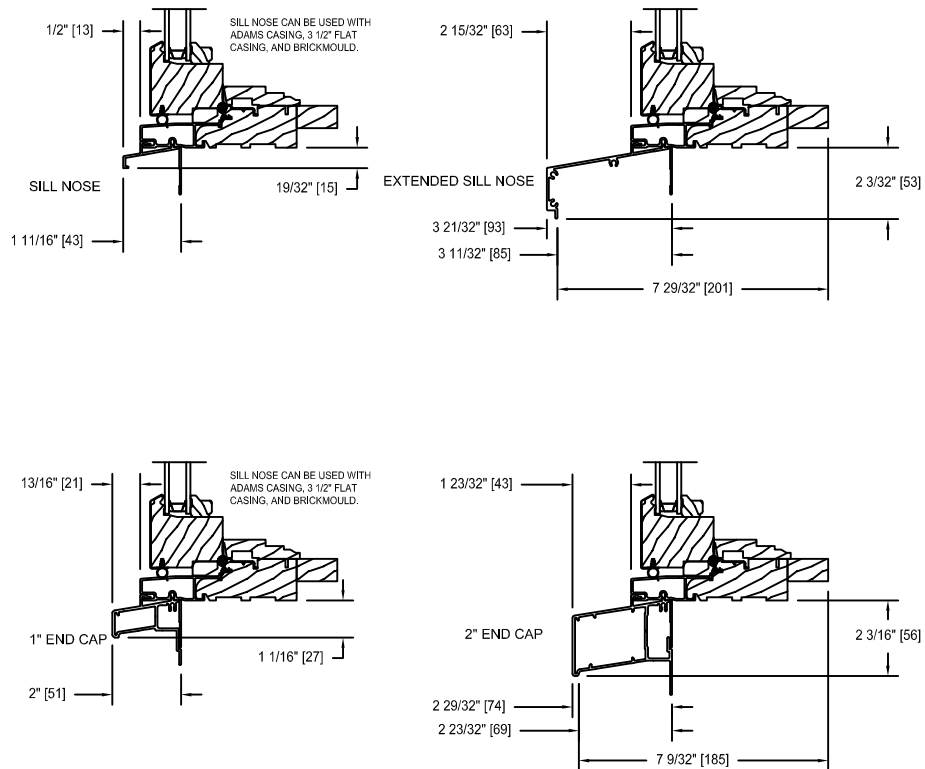


**TRIM OPTIONS
CASEMENT**

EXTERIOR TRIM



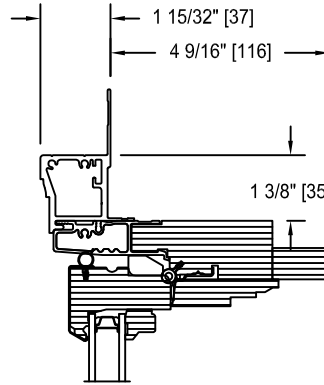
SILL NOSE OPTIONS



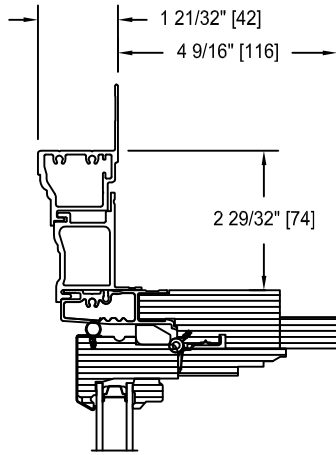
TRIM OPTIONS
SECTOR TOP RADIUS

EXTERIOR TRIM

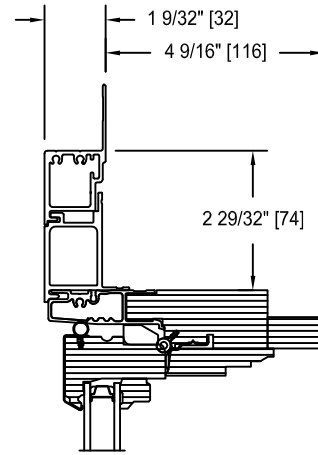
TRIM OPTIONS NOTE:
JAMB EXTENDERS & SILL OPTIONS ARE
CONSISTENT WITH CUSTOM CLAD CASEMENT
(STRAIGHTLINE).



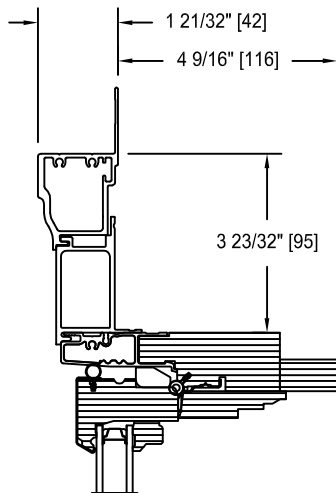
BRICKMOULD



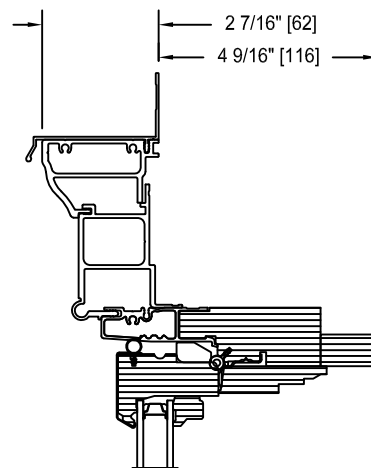
ADAMS
CASING



3 1/2"
FLAT CASING



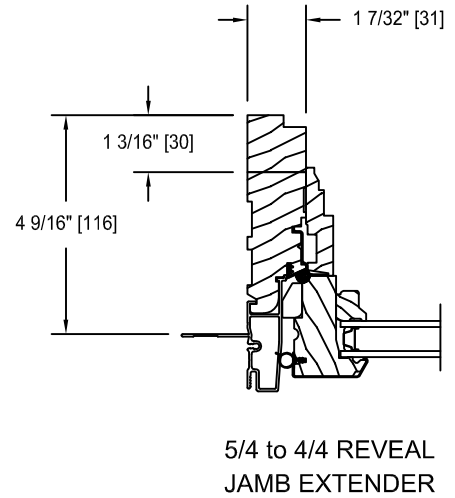
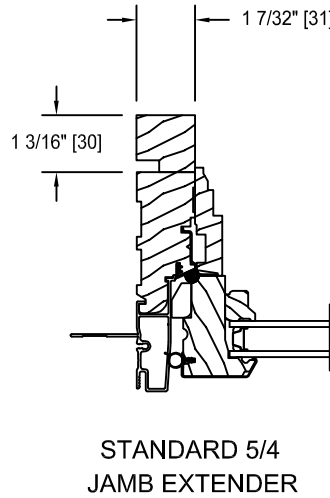
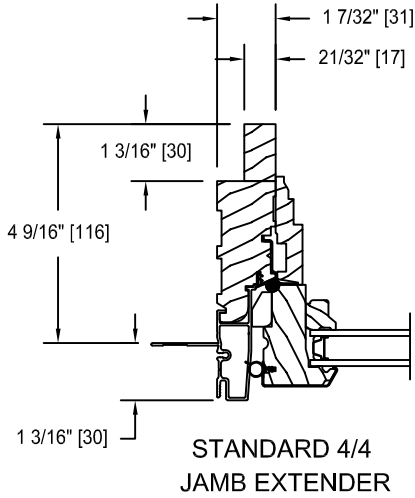
MANCHESTER
CASING



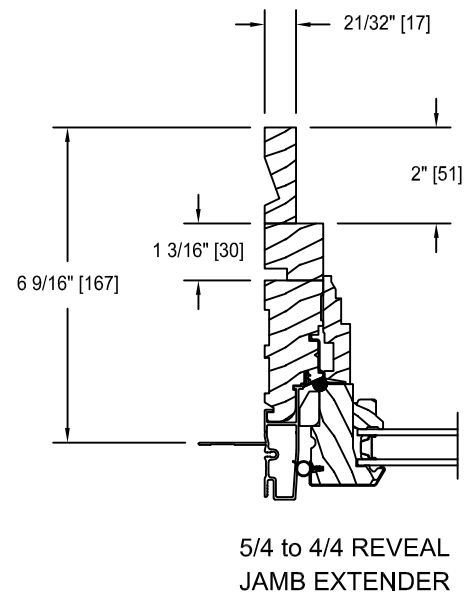
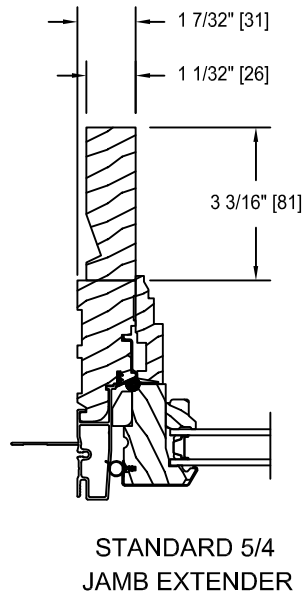
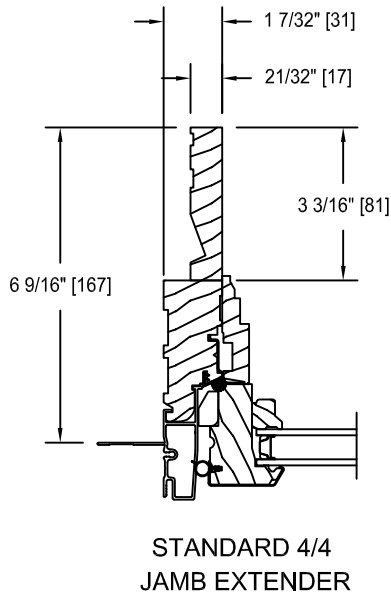
PENDLETON'S
CASING

JAMB EXTENDER OPTIONS

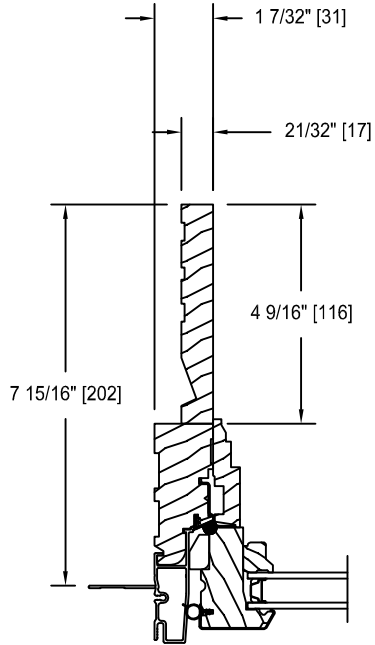
4 9/16" WALL



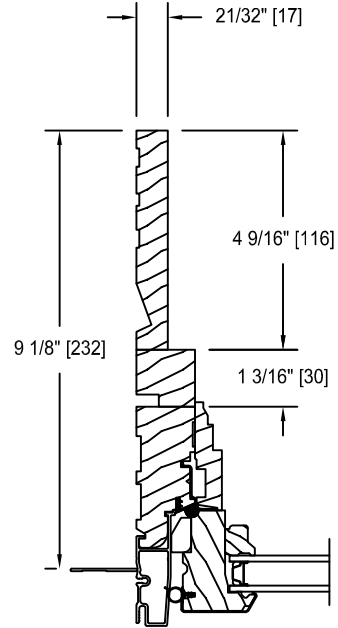
6 9/16" WALL



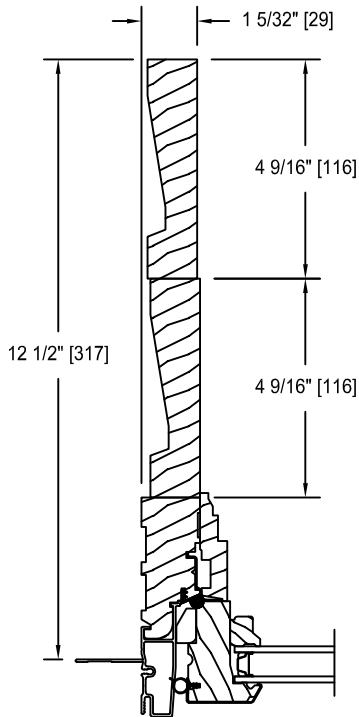
MAXIMUM JAMB WIDTHS



STANDARD 4/4
JAMB EXTENDER

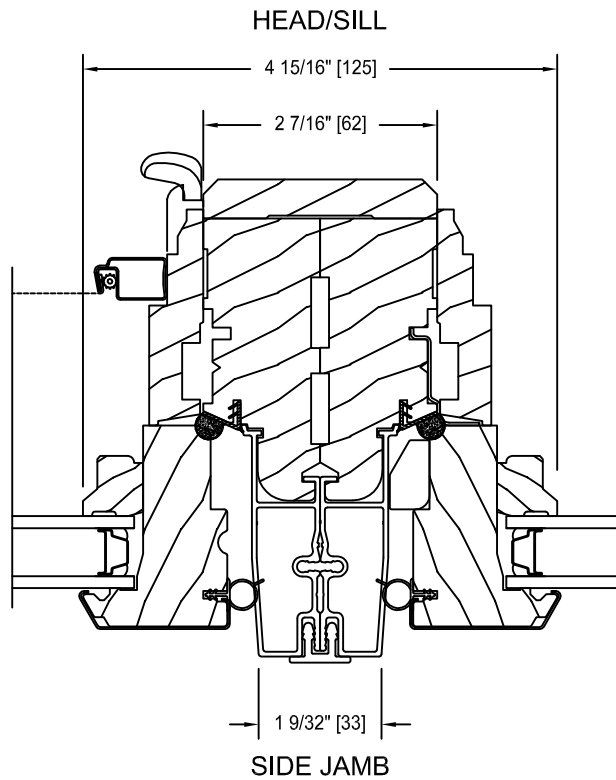
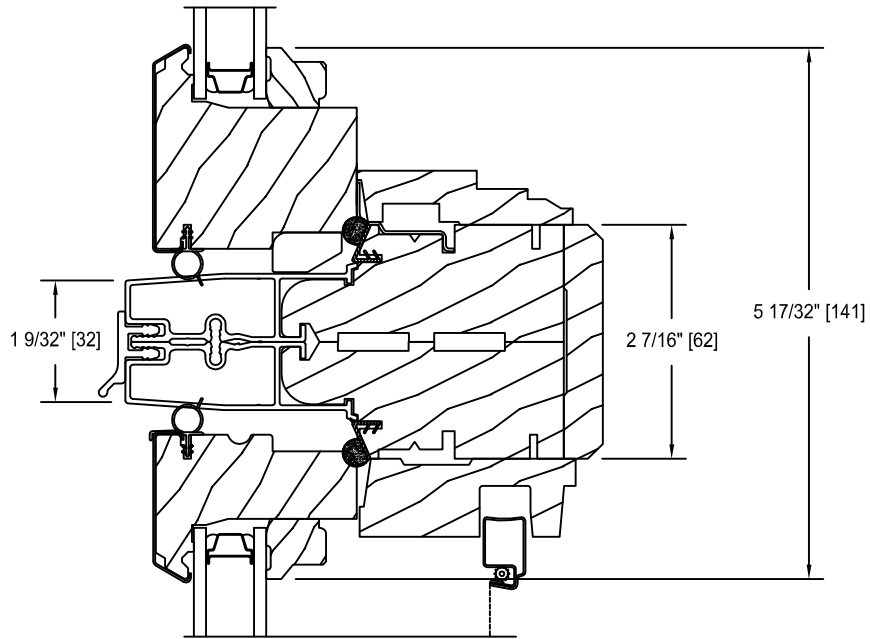


5/4 to 4/4 REVEAL
JAMB EXTENDER



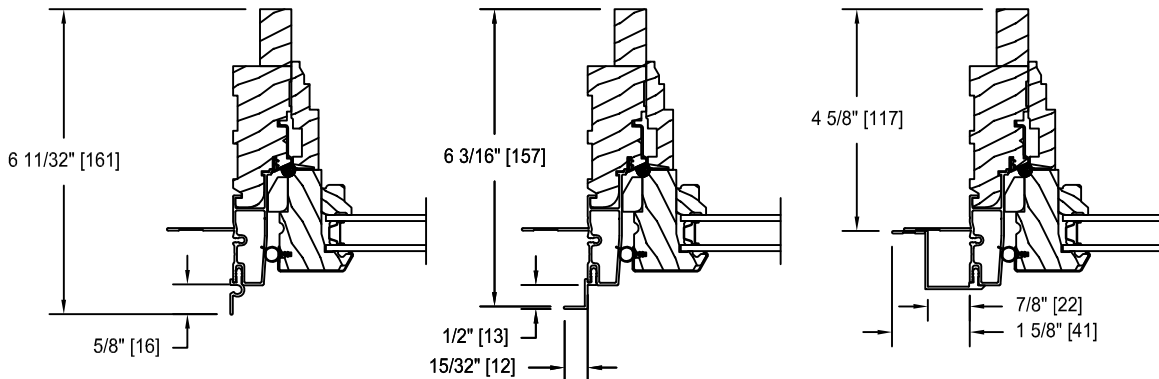
STANDARD 5/4
JAMB EXTENDER

STANDARD MULLION DETAILS



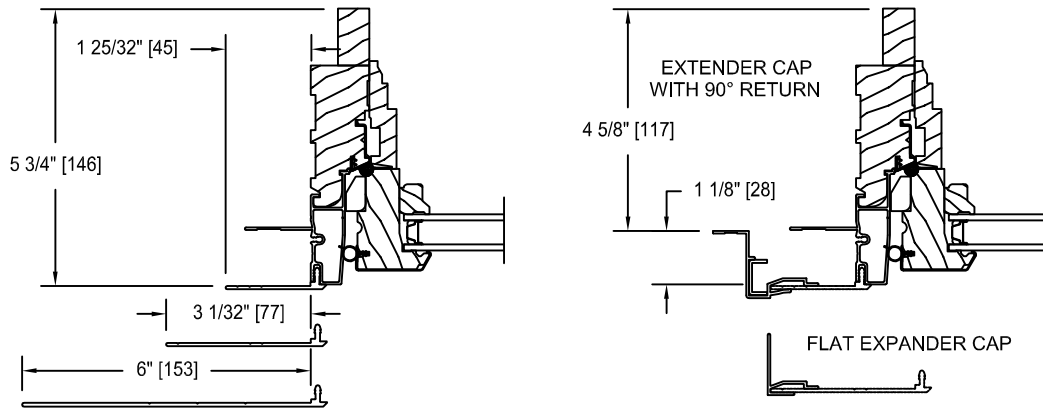
SPECIALTY EXTERIOR TRIM OPTIONS

FRAME EXTENSIONS & RETURNS

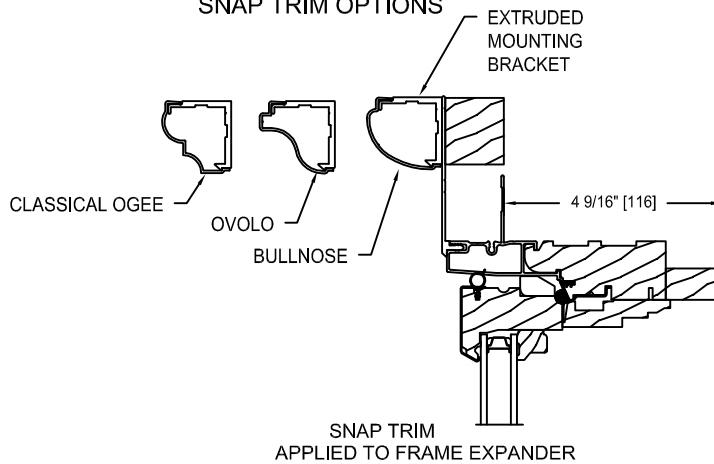


FRAME EXPANDERS
STRAIGHTLINE ONLY

FRAME EXPANDER CAPS
STRAIGHTLINE ONLY

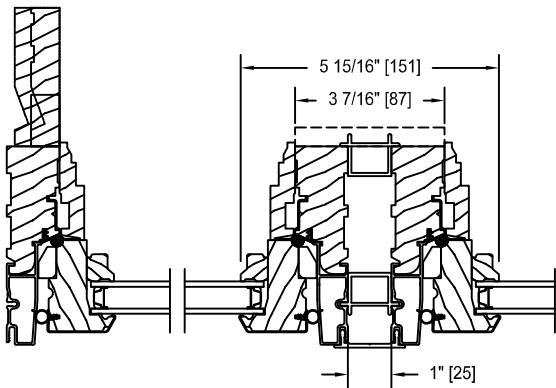
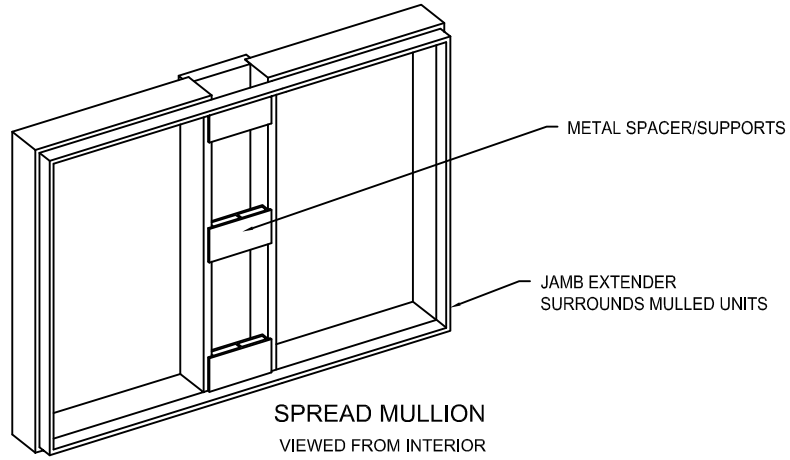


SNAP TRIM OPTIONS

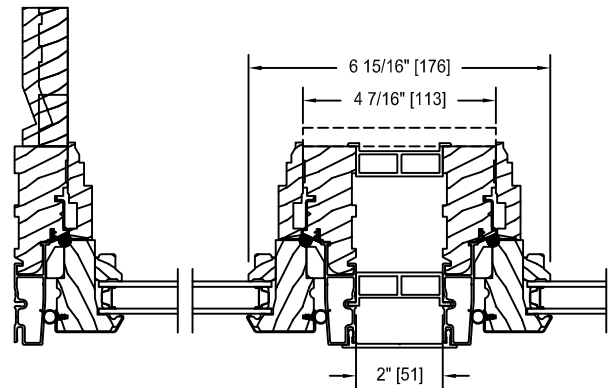


SNAP TRIM
APPLIED TO FRAME EXPANDER

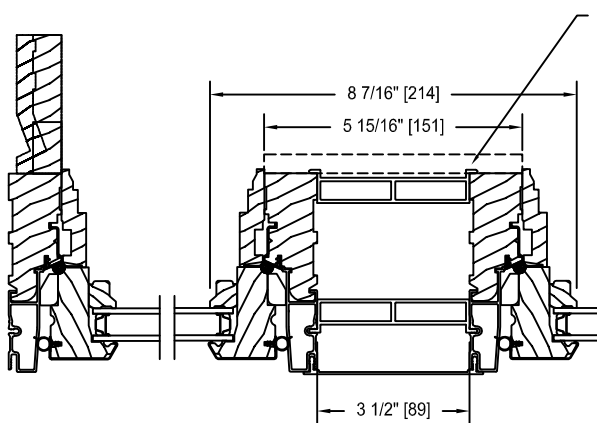
SPECIALTY TRIM & MULLION DETAILS
SPREAD MULLION DETAILS
CLAD CASEMENT



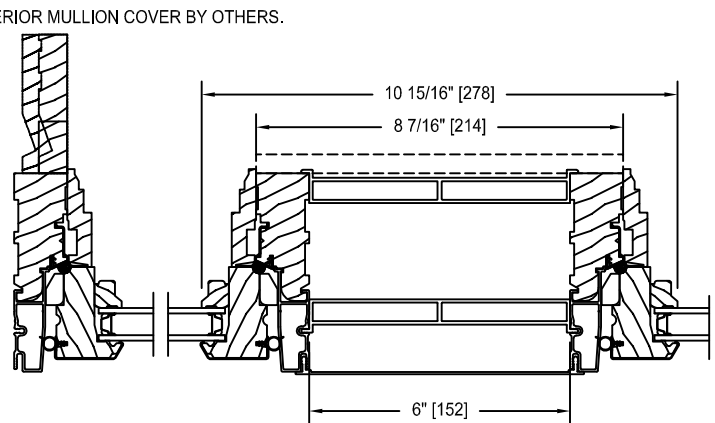
1" SPREAD MULLION



2" SPREAD MULLION

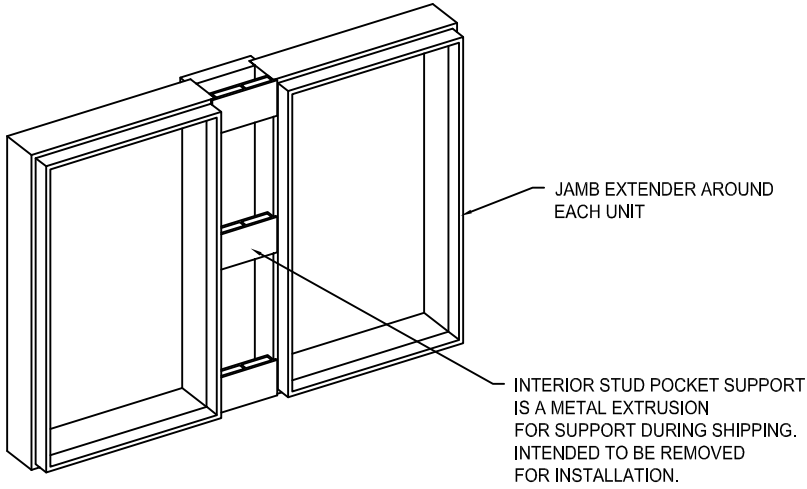


3 1/2" SPREAD MULLION

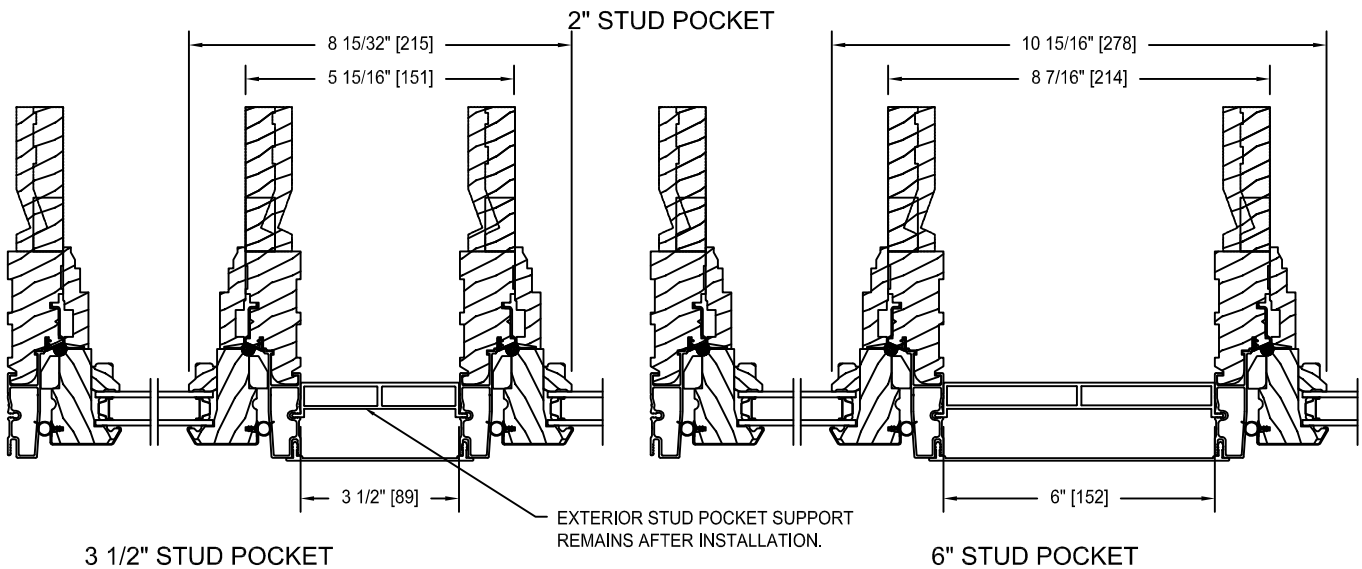
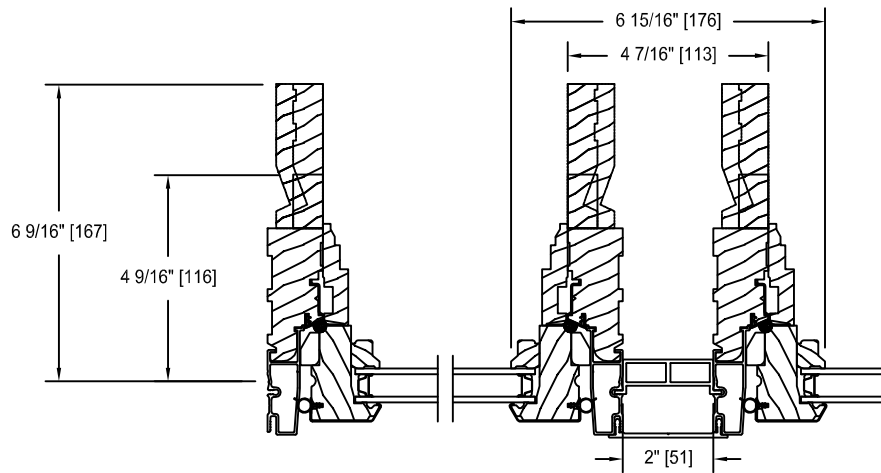


6" SPREAD MULLION

SPECIALTY TRIM & MULLION DETAILS
STUD POCKET DETAILS
CLAD CASEMENT

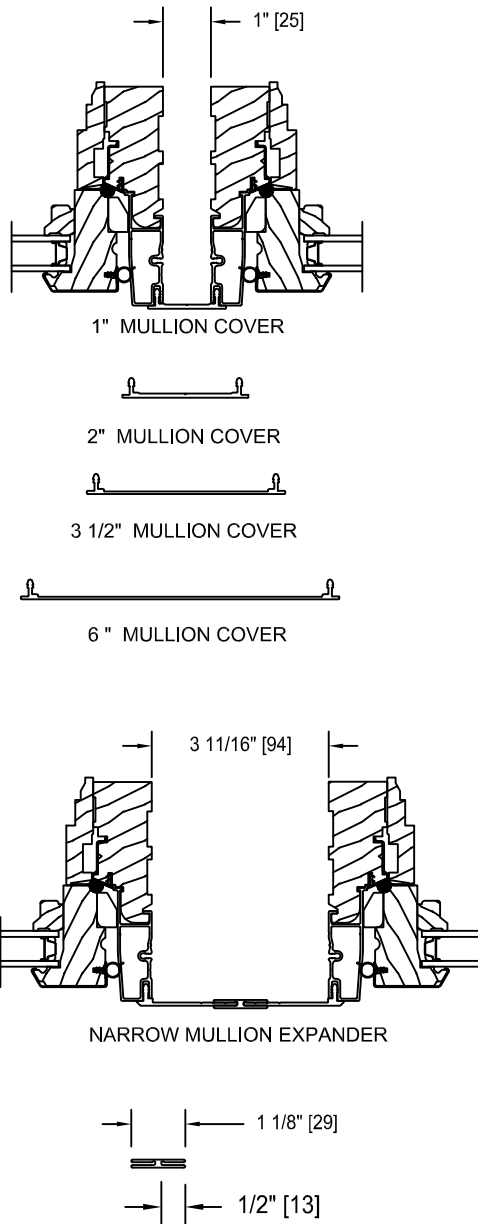


STUD POCKET MULLION
VIEWED FROM INTERIOR

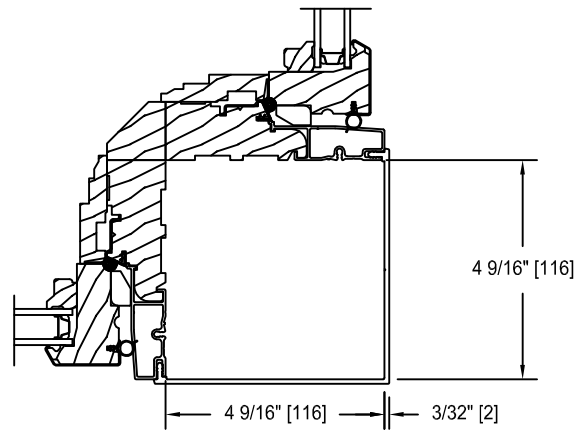


SPECIALTY TRIM & MULLION DETAILS
SPREAD MULLION DETAILS

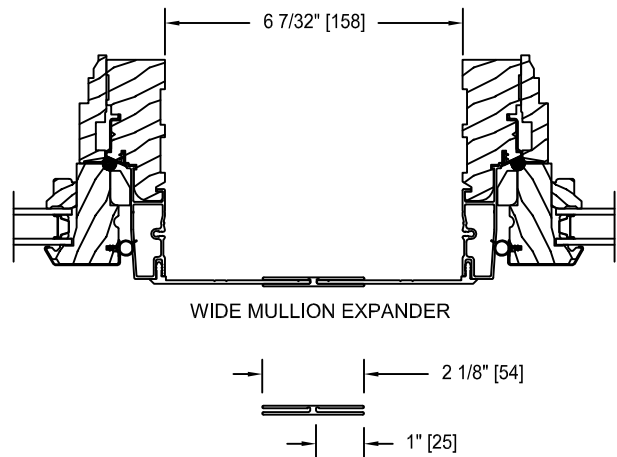
EXTERIOR SPREAD MULLIONS &
STUD POCKET COVERS



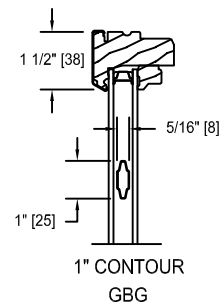
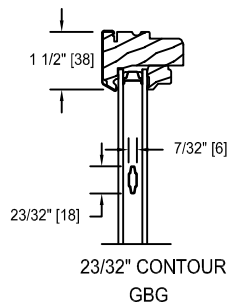
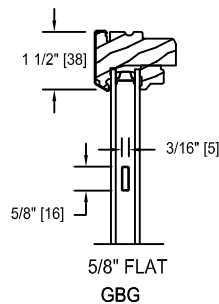
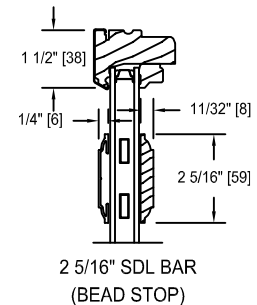
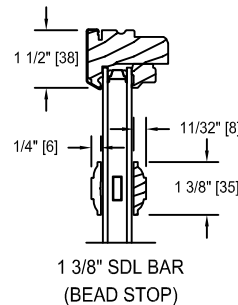
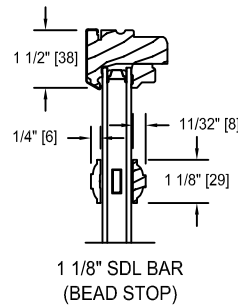
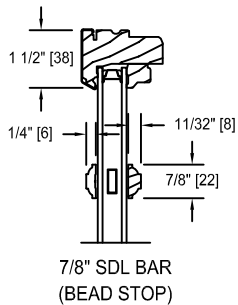
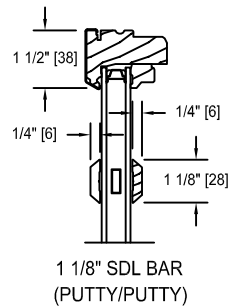
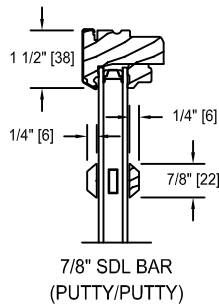
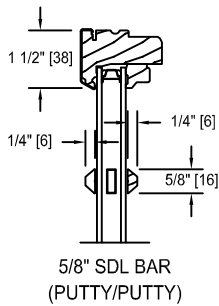
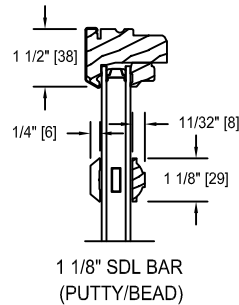
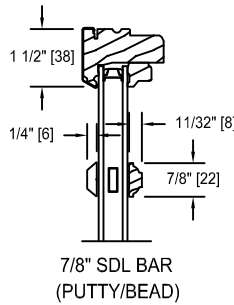
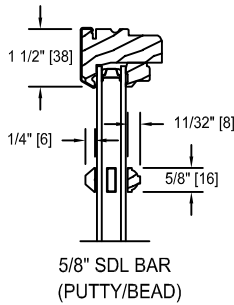
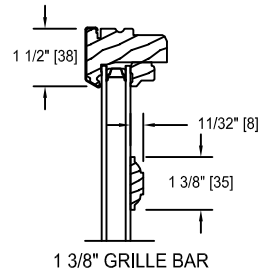
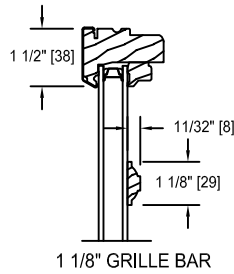
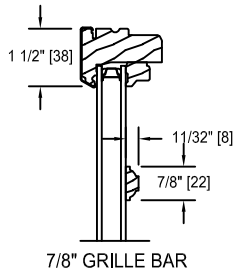
90° CORNER MULLION



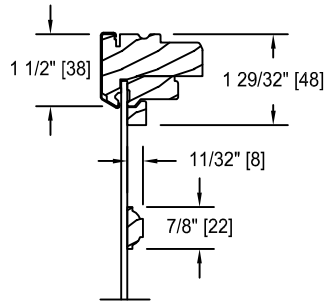
MULLION EXPANDERS



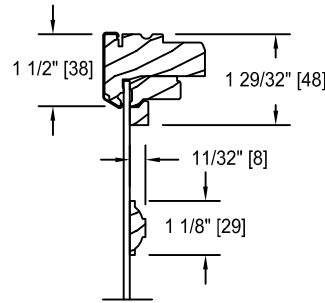
GLAZING OPTIONS
CASEMENT
INTERIOR GLAZED
INSULATED 3/4" [19] GLASS



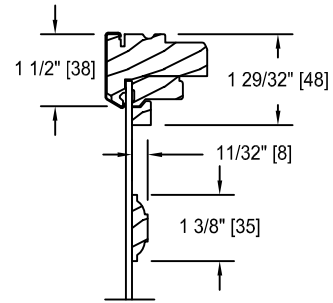
GLAZING OPTIONS
CASEMENT
INTERIOR GLAZED
INSULATED 1/8" [3] GLASS



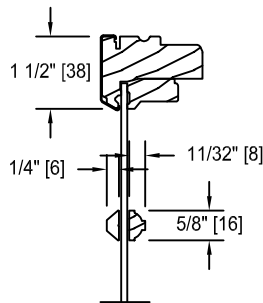
7/8" GRILLE BAR



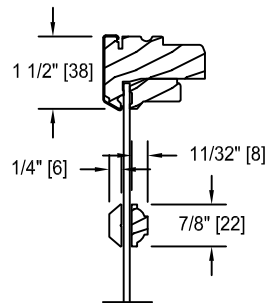
1 1/8" GRILLE BAR



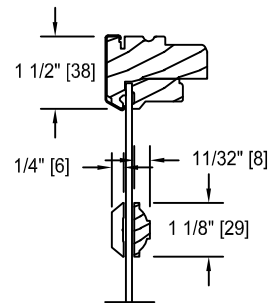
1 3/8" GRILLE BAR



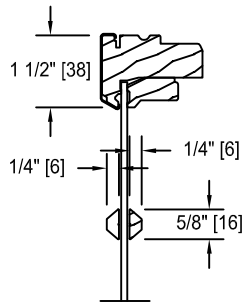
5/8" SDL
(PUTTY/BEAD)



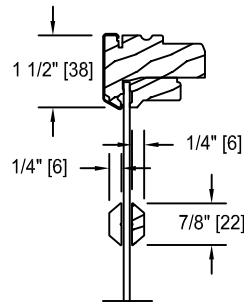
7/8" SDL
(PUTTY/BEAD)



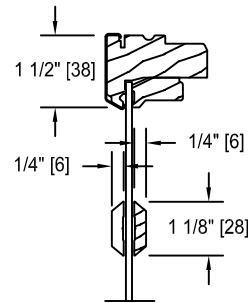
1 1/8" SDL
(PUTTY/BEAD)



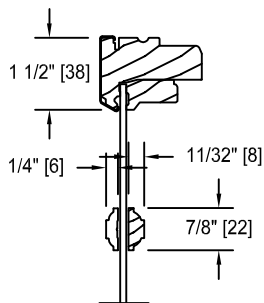
5/8" SDL
(PUTTY/PUTTY)



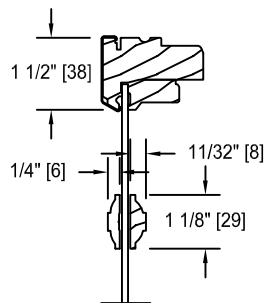
7/8" SDL
(PUTTY/PUTTY)



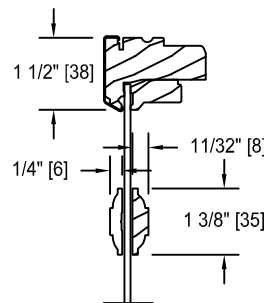
1 1/8" SDL
(PUTTY/PUTTY)



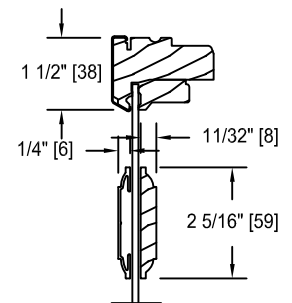
7/8" SDL
(BEAD STOP)



1 1/8" SDL
(BEAD STOP)

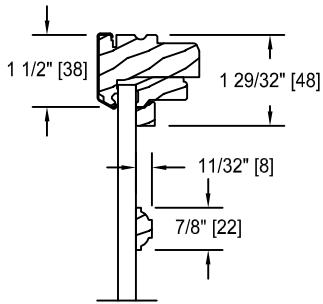


1 3/8" SDL
(BEAD STOP)

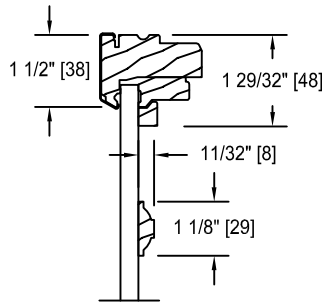


2 5/16" SDL BAR
(BEAD STOP)

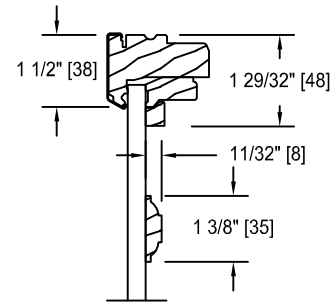
GLAZING OPTIONS
CASEMENT
INTERIOR GLAZED
IMPACT RESISTANT GLASS



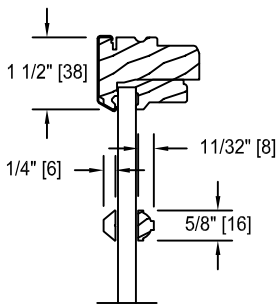
7/8" GRILLE BAR



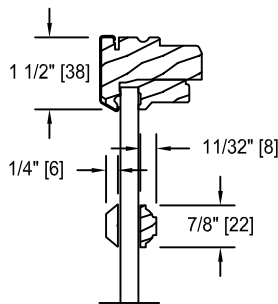
1 1/8" GRILLE BAR



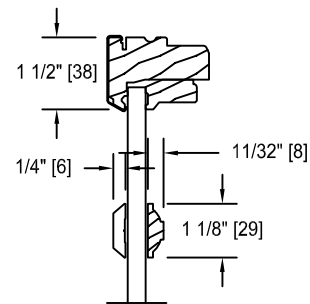
1 3/8" GRILLE BAR



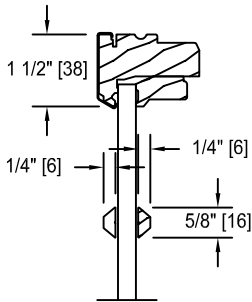
5/8" SDL
(PUTTY/BEAD)



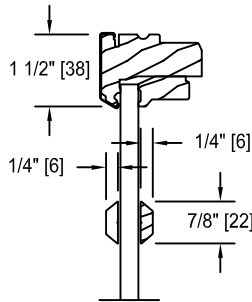
7/8" SDL
(PUTTY/BEAD)



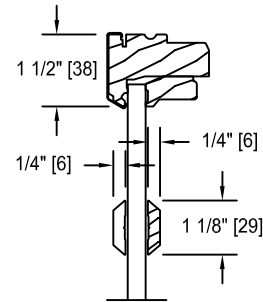
1 1/8" SDL
(PUTTY/BEAD)



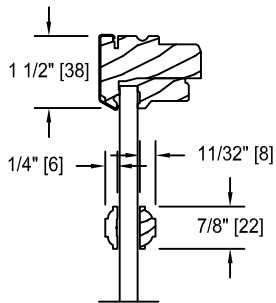
5/8" SDL
(PUTTY/PUTTY)



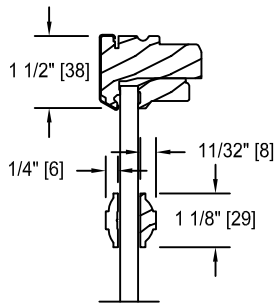
7/8" SDL
(PUTTY/PUTTY)



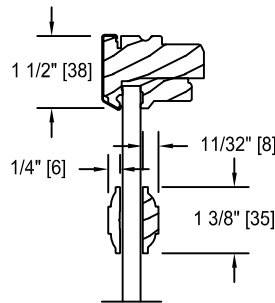
1 1/8" SDL
(PUTTY/PUTTY)



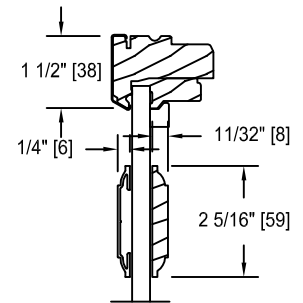
7/8" SDL
(BEAD STOP)



1 1/8" SDL
(BEAD STOP)

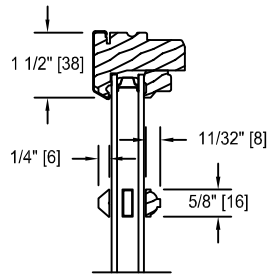


1 3/8" SDL
(BEAD STOP)

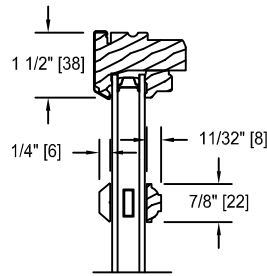


2 5/16" SDL BAR
(BEAD STOP)

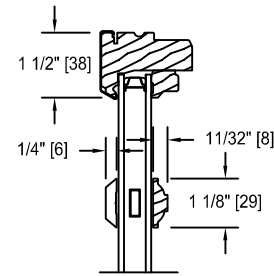
GLAZING OPTIONS
SECTOR TOP CASEMENT
INTERIOR GLAZED
INSULATED 3/4" [19] GLASS



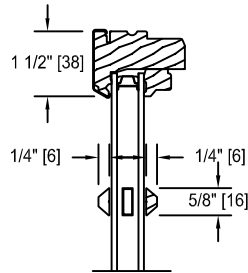
5/8" SDL BAR
(PUTTY/BEAD)



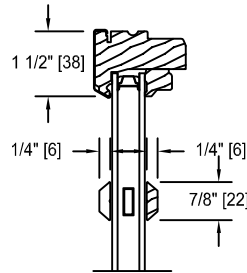
7/8" SDL BAR
(PUTTY/BEAD)



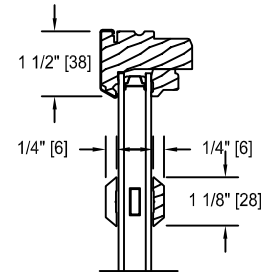
1 1/8" SDL BAR
(PUTTY/BEAD)



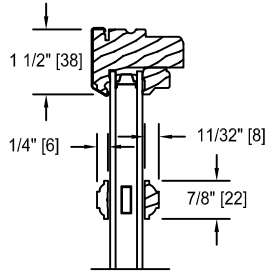
5/8" SDL BAR
(PUTTY/PUTTY)



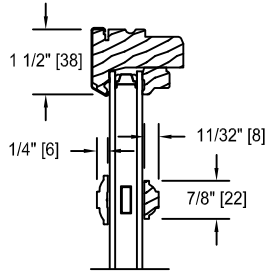
7/8" SDL BAR
(PUTTY/PUTTY)



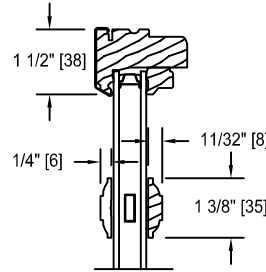
1 1/8" SDL BAR
(PUTTY/PUTTY)



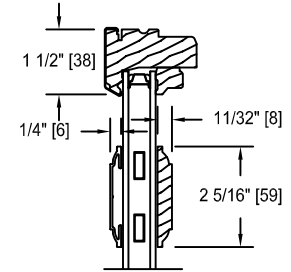
7/8" SDL BAR
(BEAD STOP)



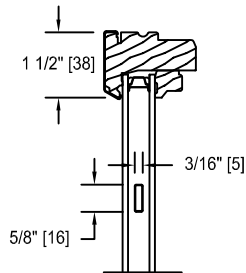
1 1/8" SDL BAR
(BEAD STOP)



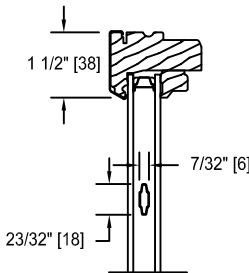
1 3/8" SDL BAR
(BEAD STOP)



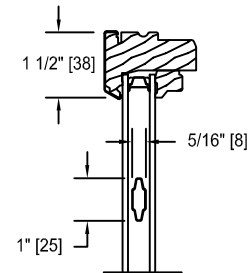
2 5/16" SDL BAR
(BEAD STOP)



5/8" FLAT
GBG

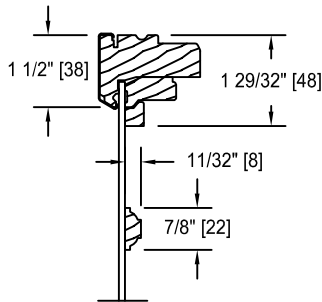


23/32" CONTOUR
GBG

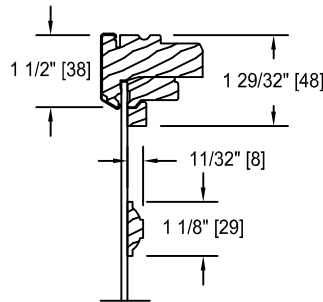


1" CONTOUR
GBG

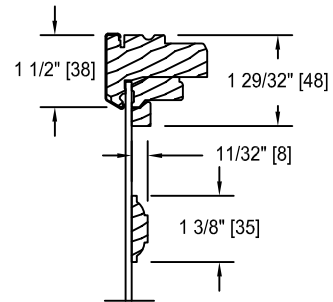
GLAZING OPTIONS
SECTOR TOP CASEMENT
INTERIOR GLAZED
SINGLE GLAZED 1/8" [3] GLASS



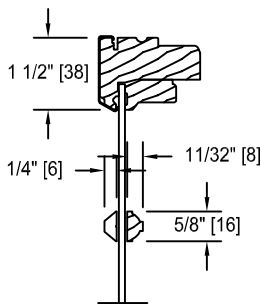
7/8" GRILLE BAR



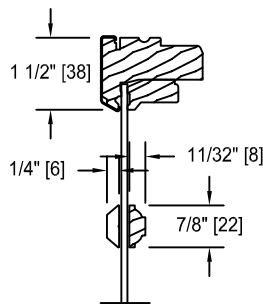
1 1/8" GRILLE BAR



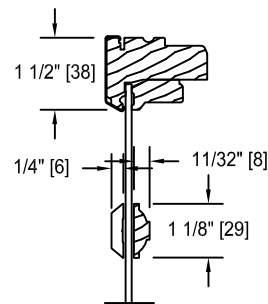
1 3/8" GRILLE BAR



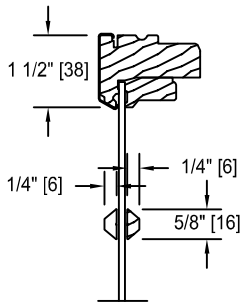
5/8" SDL
(PUTTY/BEAD)



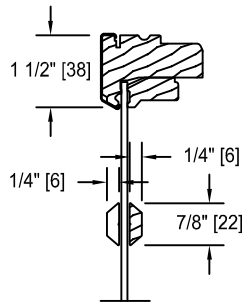
7/8" SDL
(PUTTY/BEAD)



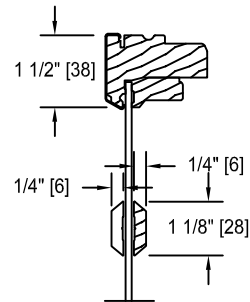
1 1/8" SDL
(PUTTY/BEAD)



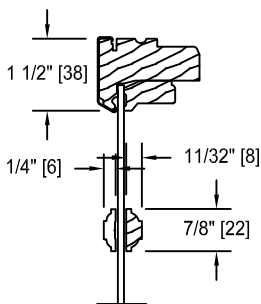
5/8" SDL
(PUTTY/PUTTY)



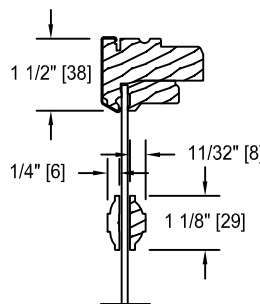
7/8" SDL
(PUTTY/PUTTY)



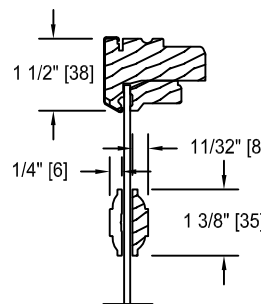
1 1/8" SDL
(PUTTY/PUTTY)



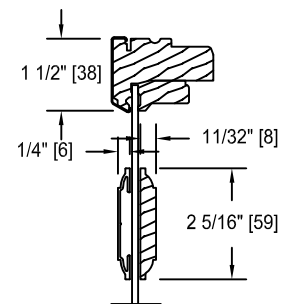
7/8" SDL
(BEAD STOP)



1 1/8" SDL
(BEAD STOP)

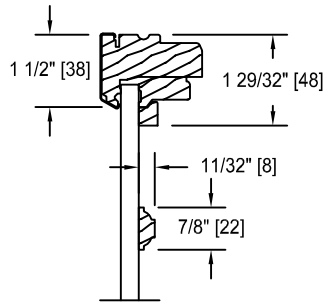


1 3/8" SDL
(BEAD STOP)

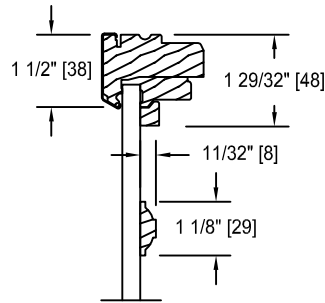


2 5/16" SDL BAR
(BEAD STOP)

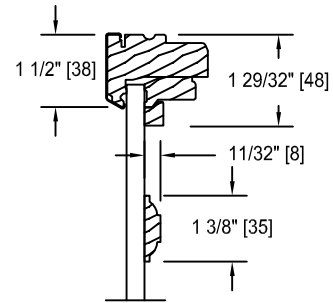
GLAZING OPTIONS
SECTOR TOP CASEMENT
INTERIOR GLAZED
IMPACT RESISTANT GLASS



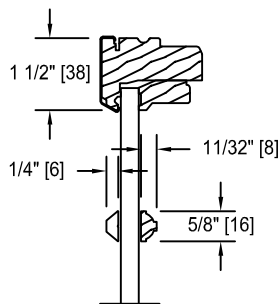
7/8" GRILLE BAR



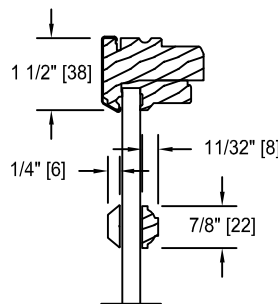
1 1/8" GRILLE BAR



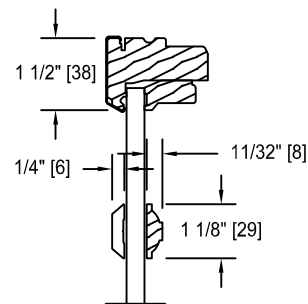
1 3/8" GRILLE BAR



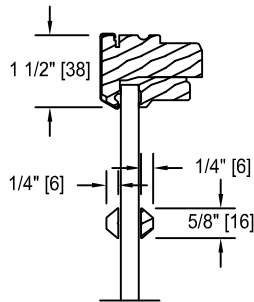
5/8" SDL
(PUTTY/BEAD)



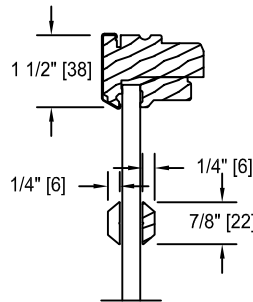
7/8" SDL
(PUTTY/BEAD)



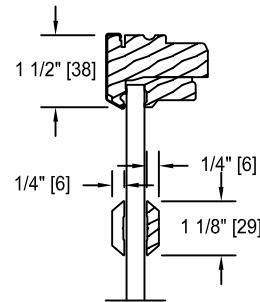
1 1/8" SDL
(PUTTY/BEAD)



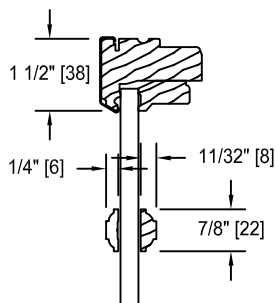
5/8" SDL
(PUTTY/PUTTY)



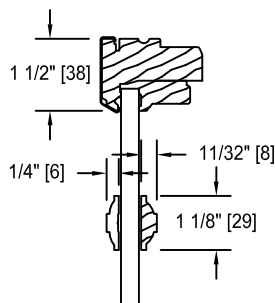
7/8" SDL
(PUTTY/PUTTY)



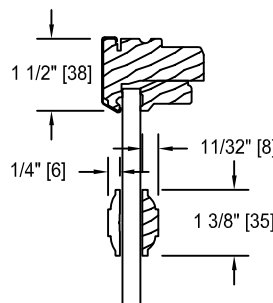
1 1/8" SDL
(PUTTY/PUTTY)



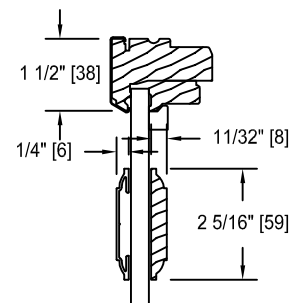
7/8" SDL
(BEAD STOP)



1 1/8" SDL
(BEAD STOP)



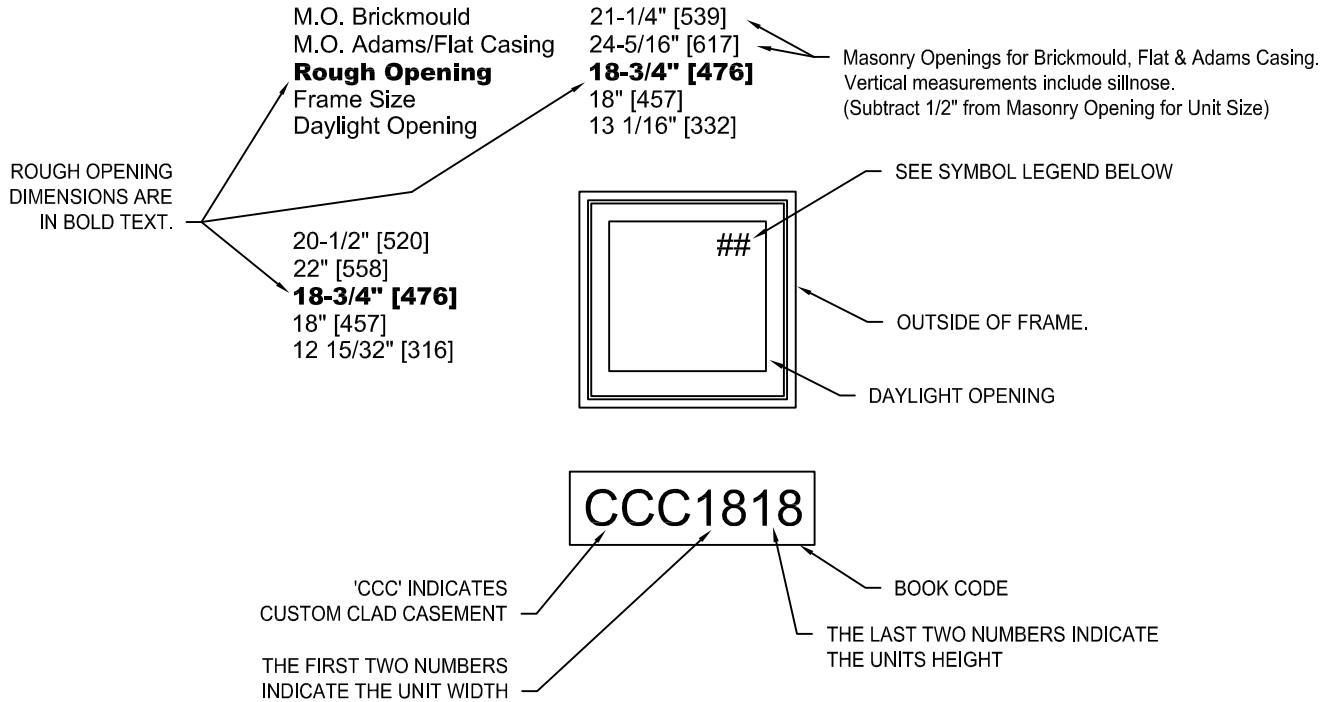
1 3/8" SDL
(BEAD STOP)



2 5/16" SDL BAR
(BEAD STOP)

ELEVATION NOTES
CASEMENT

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.

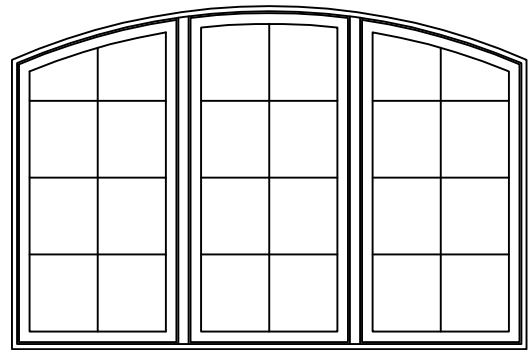
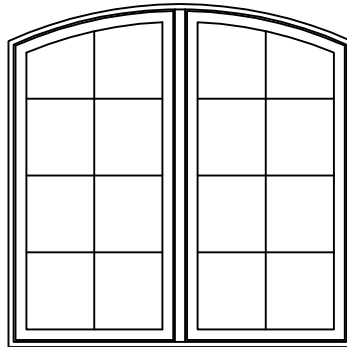
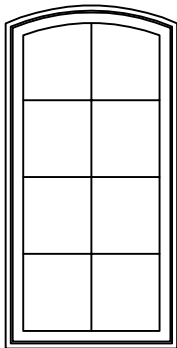


GENERAL CASEMENT NOTES

1. CUSTOM CLAD CASEMENT (CCC) UNITS ARE AVAILABLE AS OPERATING OR FIXED UNITS.
2. 'CCCP' IN A BOOK CODE DENOTES THE UNIT IS A CLAD CASEMENT PICTURE (FIXED) UNIT.
3. UNIT ELEVATIONS ARE SHOWN WITHOUT EXTERIOR TRIM. UNIT SIZES & MASONRY OPENING DIMENSIONS WILL CHANGE WITH THE ADDITION OF EXTERIOR TRIM. SEE THE 'UNIT SIZING, ROUGH OPENINGS & MASONRY OPENINGS' PAGE FOR EXTERIOR TRIM EFFECTS.
4. OPERATING UNITS ARE AVAILABLE AS LEFT OR RIGHT HAND OPERATION.
5. DIMENSIONAL VALUES IN BRACKETS ARE MILLIMETER CONVERSIONS.

ELEVATION SYMBOL LEGEND:

- E** BASIC UNIT CLEAR OPENING EXCEEDS 20" IN WIDTH, 24" IN HEIGHT & A MINIMUM OF 5.7 SQ. FT.
- E*** BASIC UNIT CLEAR OPENING REQUIRES EGRESS HINGES TO EXCEED 20" IN WIDTH, 24" IN HEIGHT & A MINIMUM OF 5.7 SQ. FT.
- E1** BASIC UNIT CLEAR OPENING EXCEEDS 20" IN WIDTH, 24" IN HEIGHT & A MINIMUM OF 5.0 SQ. FT.
- S** STATIONARY UNIT.
- ##** NUMBER INDICATES DESIGN PRESSURE (DP) RATING WITH STANDARD GLAZING. OPERATING UNITS UTILIZE THE R65 LOCKING SYSTEM FOR DP RATINGS.

GENERAL INFORMATION
SECTOR TOP CASEMENT

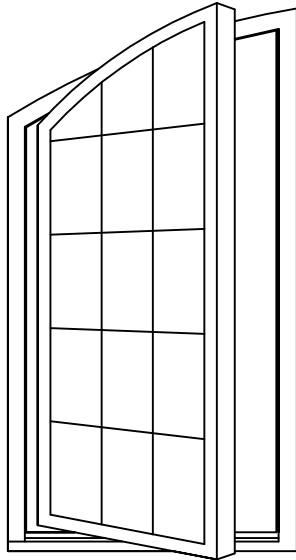
Sector clad casements are constructed the same as Custom clad casements, roll formed cladding on wood sash.

Sector clad casement windows are available with left or right hand operation (hinged on the springline), or stationary (non-venting). Operating mechanism includes stainless steel, corrosion resistant, butt hinges and single arm roto-type operator with hardened steel gears and operating arm. Sash locks are concealed unison type with an exposed locking lever and escutcheon plate. There are several interior hardware finish options. Refer to the Specifications for finish options.

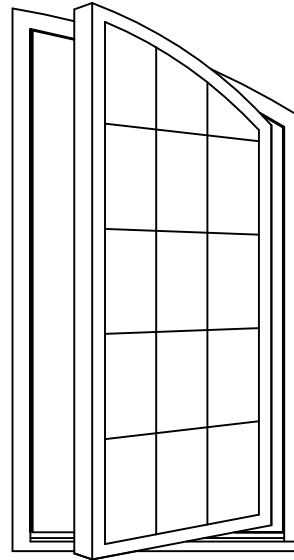
Note: Bookcoded sector top units have roll form sash.

CLAD SECTOR TOP CASEMENTS utilize some of the same options as CLAD Custom CASEMENTS. Those options have not been repeated here in this sub-section.

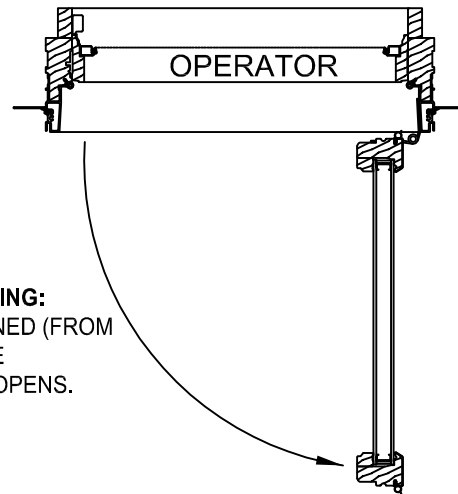
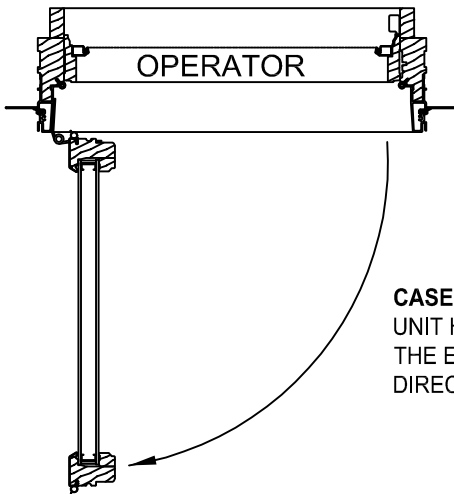
HANDLING & OPERATION
SECTOR TOP CASEMENT



LEFT
HAND



RIGHT
HAND



CASEMENT UNIT HANDING:
UNIT HANDING IS DEFINED (FROM
THE EXTERIOR) AS THE
DIRECTION THE SASH OPENS.

UNIT HANDING INFORMATION

OPERATING SINGLE SECTOR UNITS - MAY BE HANDED 'LEFT' OR 'RIGHT'.

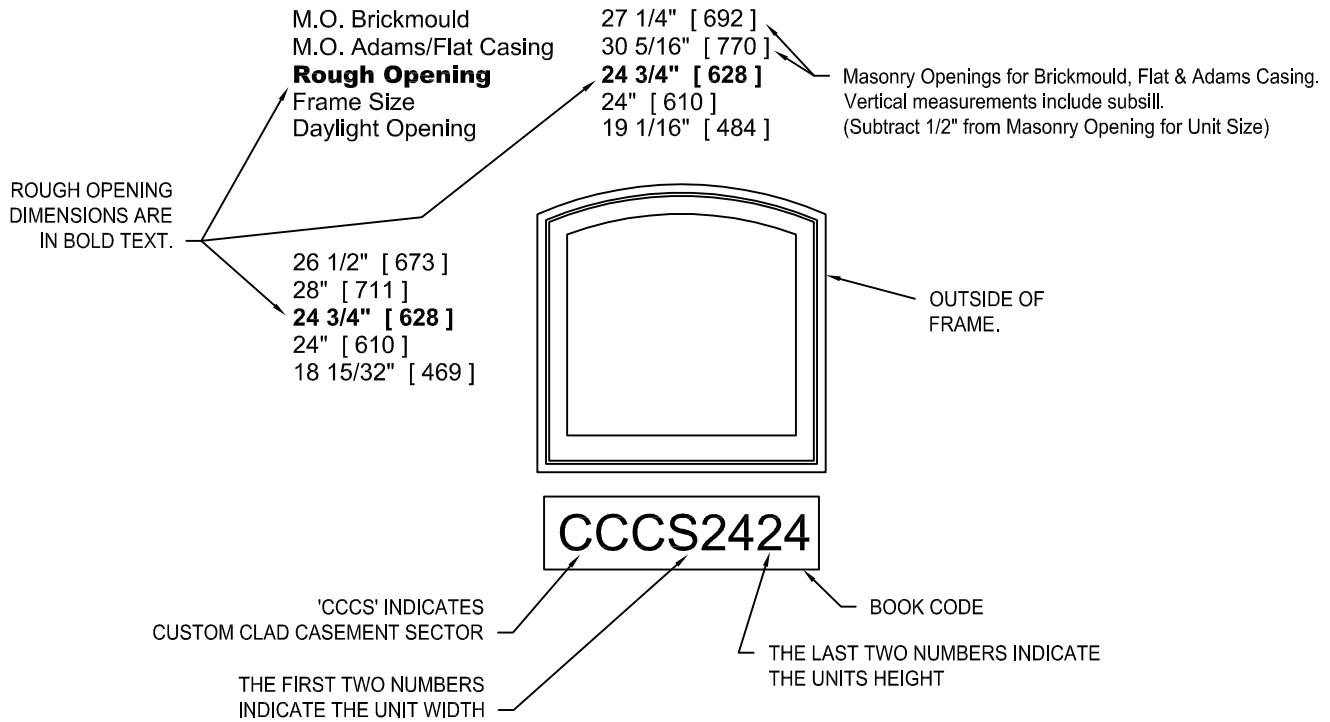
OPERATING TWIN SECTOR UNITS - THESE UNITS ARE HINGED ON THE SPRINGLINE SIDE. THE 'LEFT' SASH HAS 'LEFT' HAND OPERATION AND THE 'RIGHT' SASH HAS 'RIGHT' HAND OPERATION ONLY.

OPERATING TRIPLE SECTOR UNITS - ONLY THE FLANKING UNITS MAY BE OPERATORS WHICH ARE HINGED ON THE SPRINGLINE SIDE. THE TWO OPERATING SASH ARE HANDED THE SAME AS THE TWIN SECTOR.

NOTE: BOOKCODED SECTOR TOP UNITS HAVE ROLL FORM SASH.

ELEVATION NOTES
SECTOR TOP CASEMENT

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.



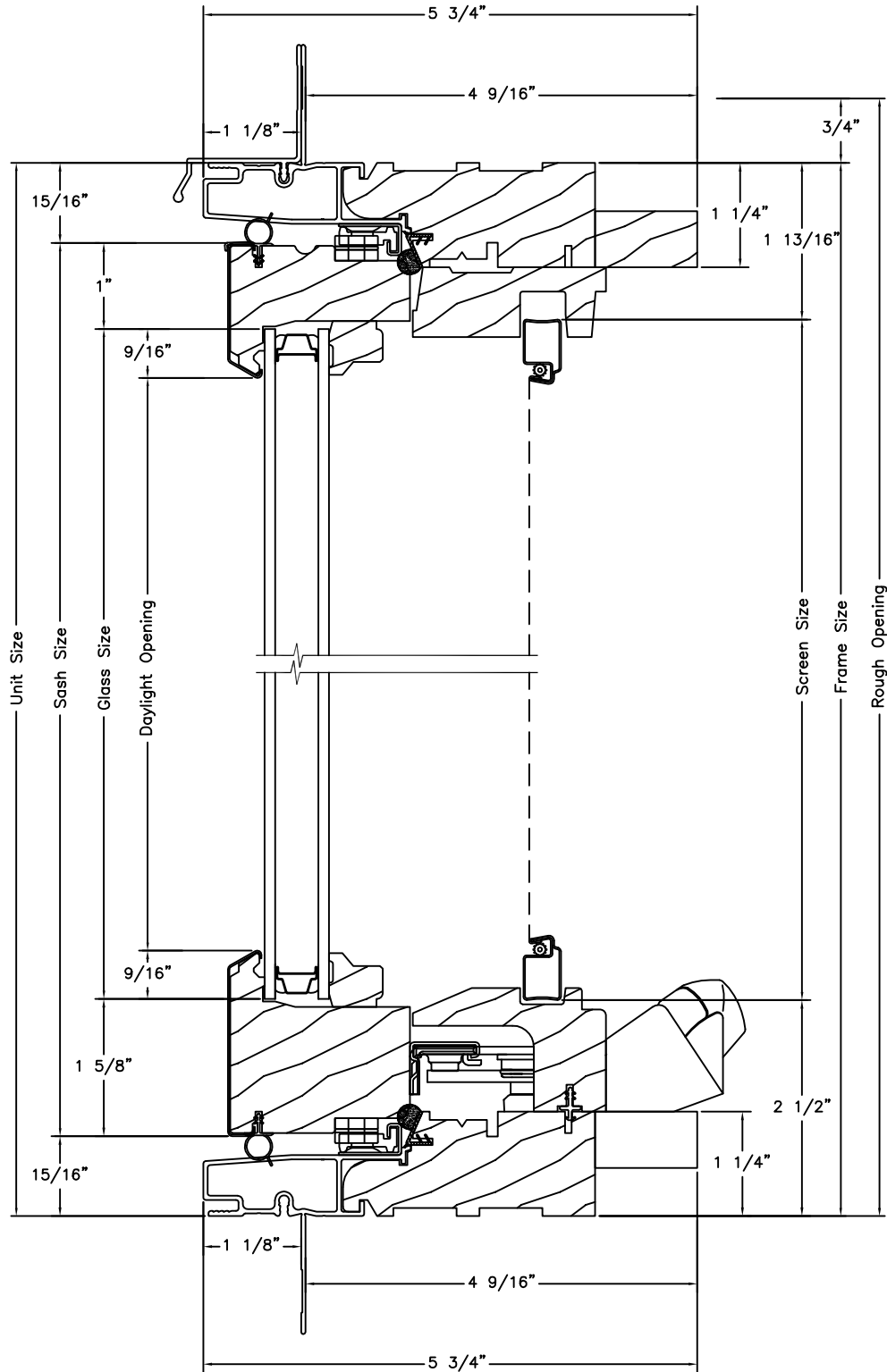
GENERAL RADIUS CASEMENT NOTES

1. UNIT ELEVATIONS ARE SHOWN WITHOUT EXTERIOR TRIM.
2. DIMENSIONAL VALUES IN BRACKETS ARE MILLIMETER CONVERSIONS.
3. ALL SECTOR UNITS ARE AVAILABLE AS OPERATING UNITS.
4. BOOKCODED SECTOR TOP UNITS HAVE ROLL FORM SASH.

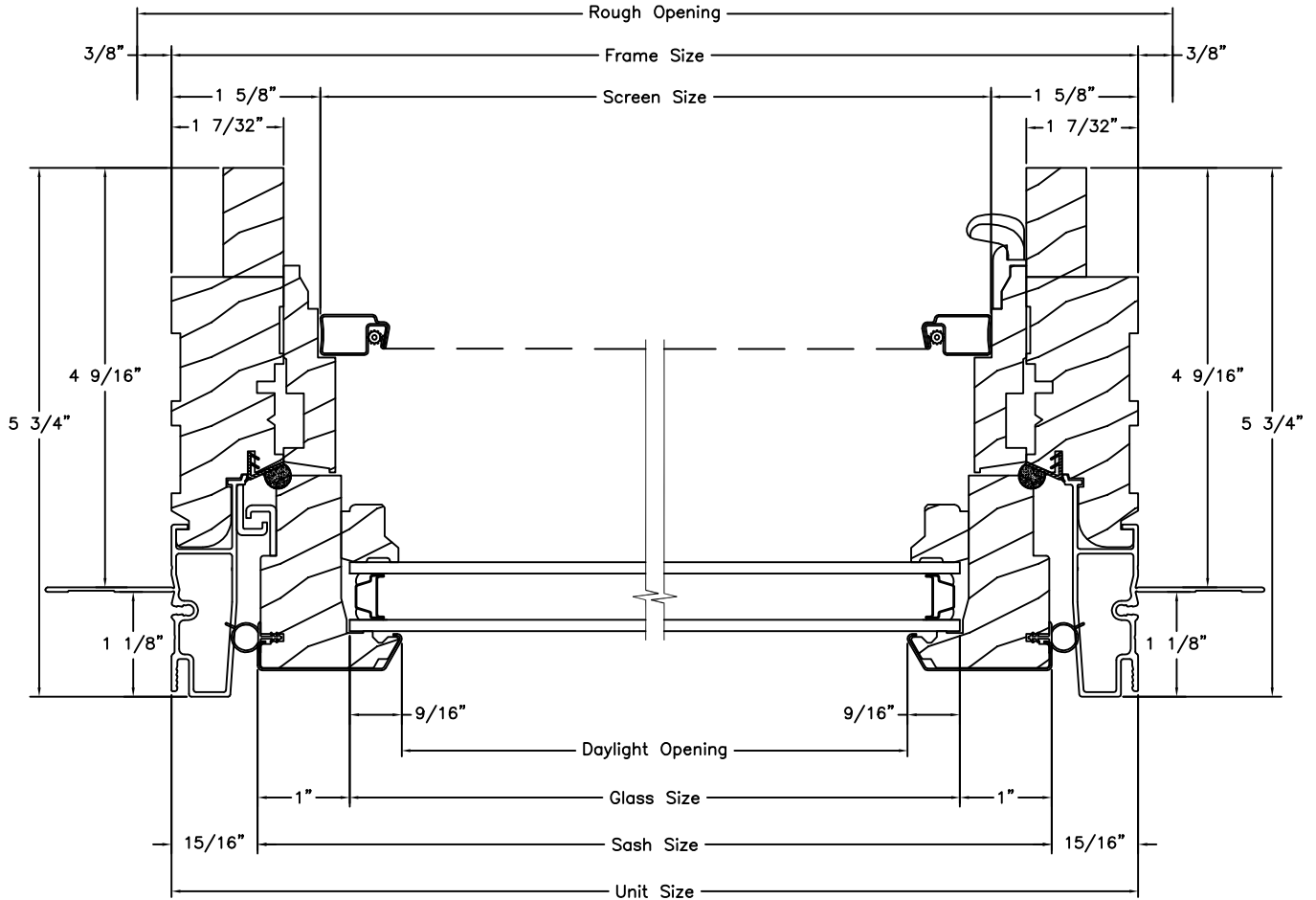
ELEVATION SYMBOL LEGEND:

- E** BASIC UNIT CLEAR OPENING EXCEEDS 20" IN WIDTH, 24" IN HEIGHT & A MINIMUM OF 5.7 SQ. FT.
- E1** BASIC UNIT CLEAR OPENING EXCEEDS 20" IN WIDTH, 24" IN HEIGHT & A MINIMUM OF 5.0 SQ. FT.
- S** STATIONARY UNIT.
- ##** NUMBER INDICATES DESIGN PRESSURE (DP) RATING WITH STANDARD GLAZING. OPERATING UNITS UTILIZE THE R65 LOCKING SYSTEM FOR DP RATINGS.

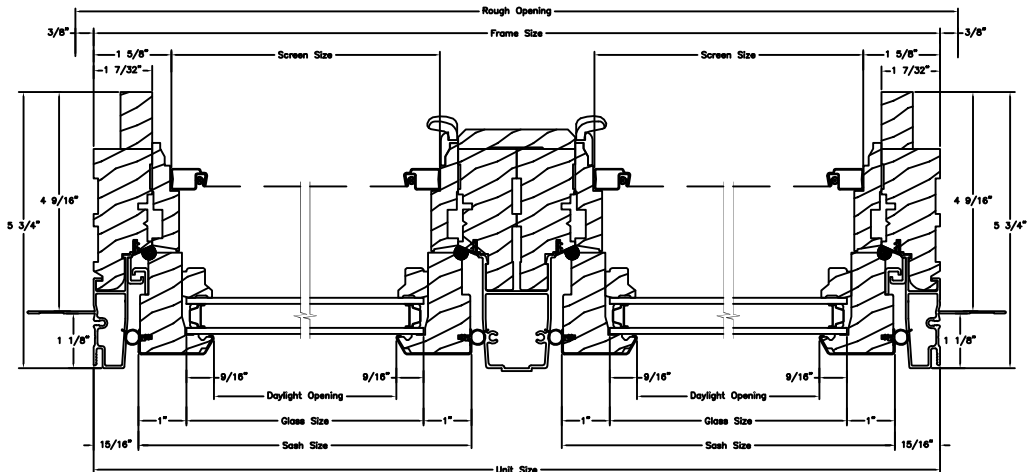
VERTICAL SECTION
OPERATING UNIT



HORIZONTAL SECTION
OPERATING UNIT

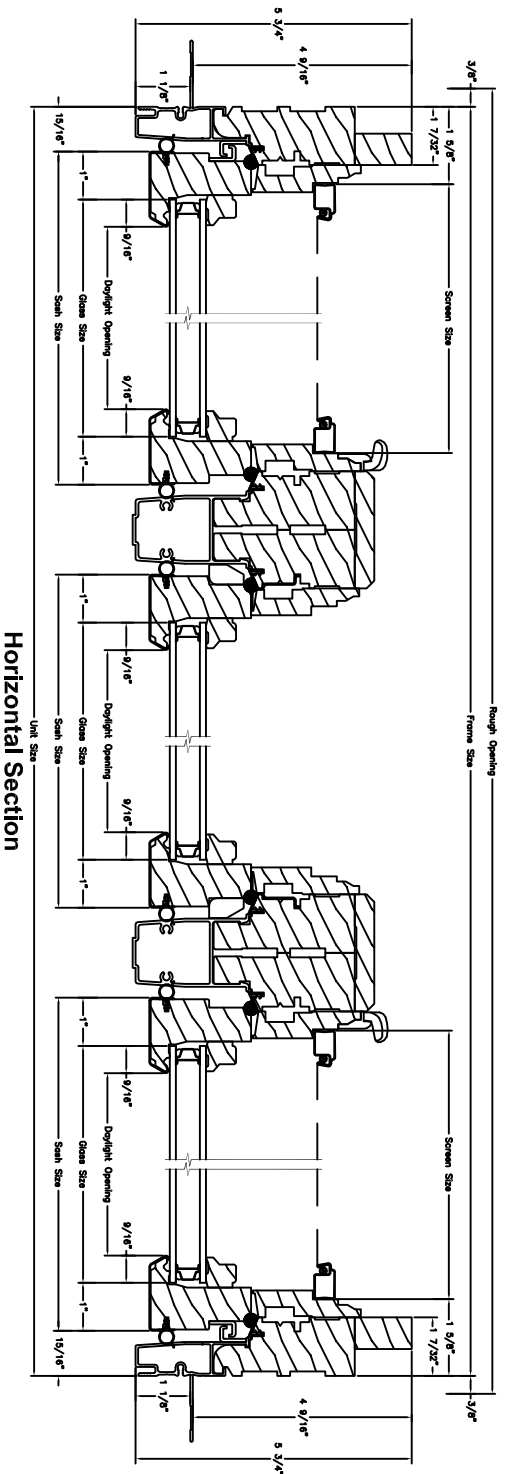


HORIZONTAL SECTION
2-WIDE UNIT



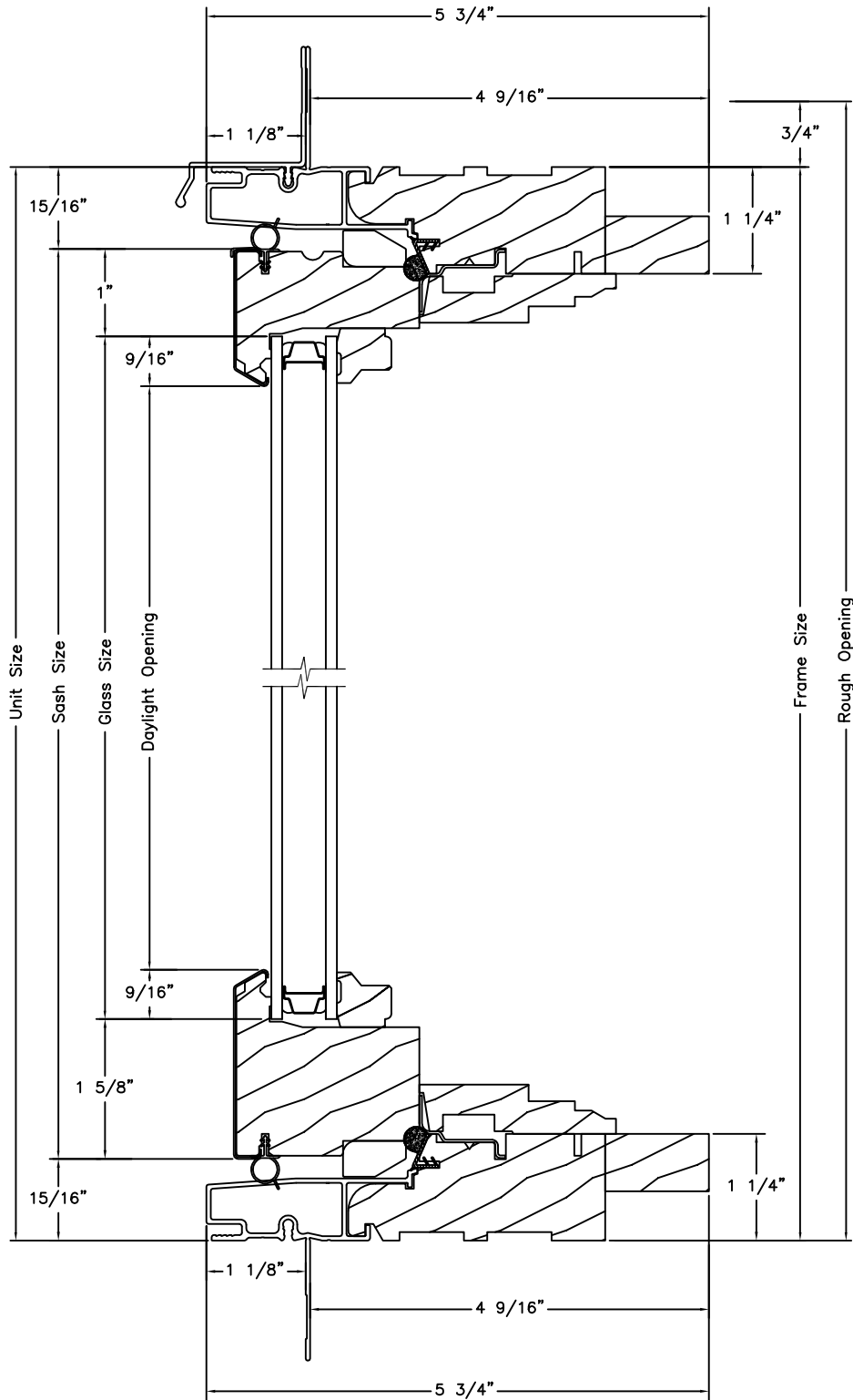
Horizontal Section

**HORIZONTAL SECTION
3-WIDE UNIT**

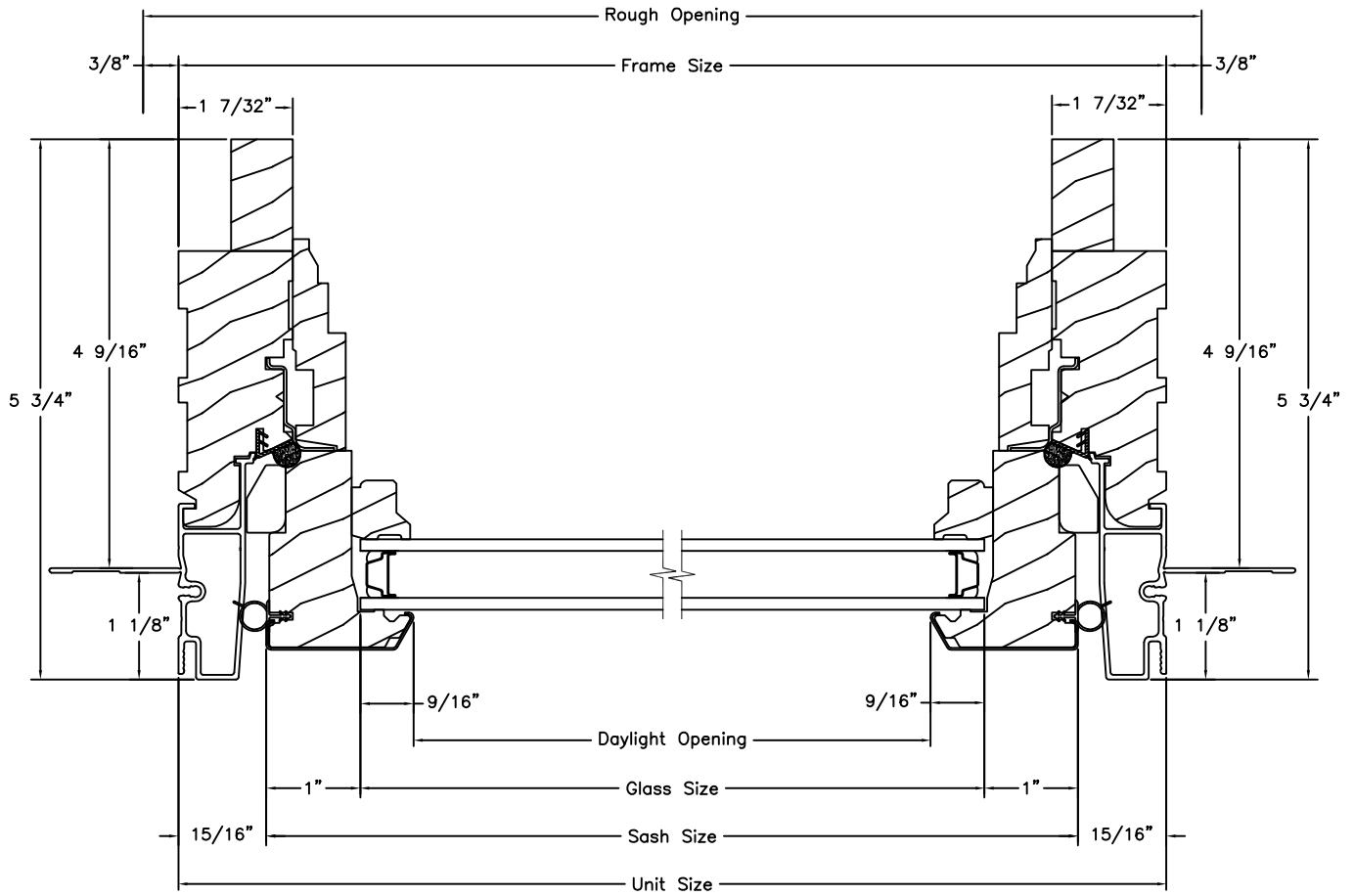


Horizontal Section

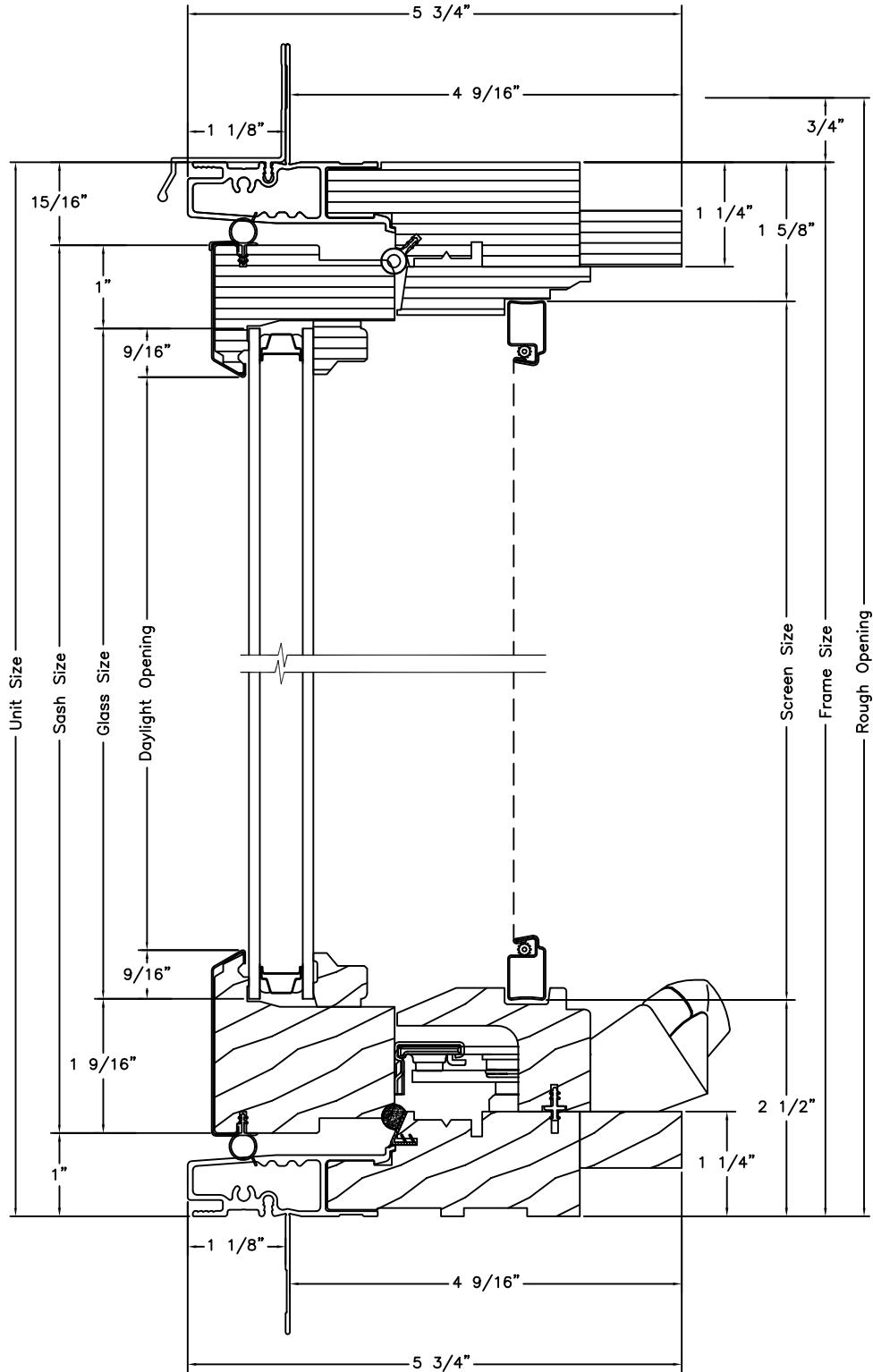
VERTICAL SECTION
PICTURE UNIT



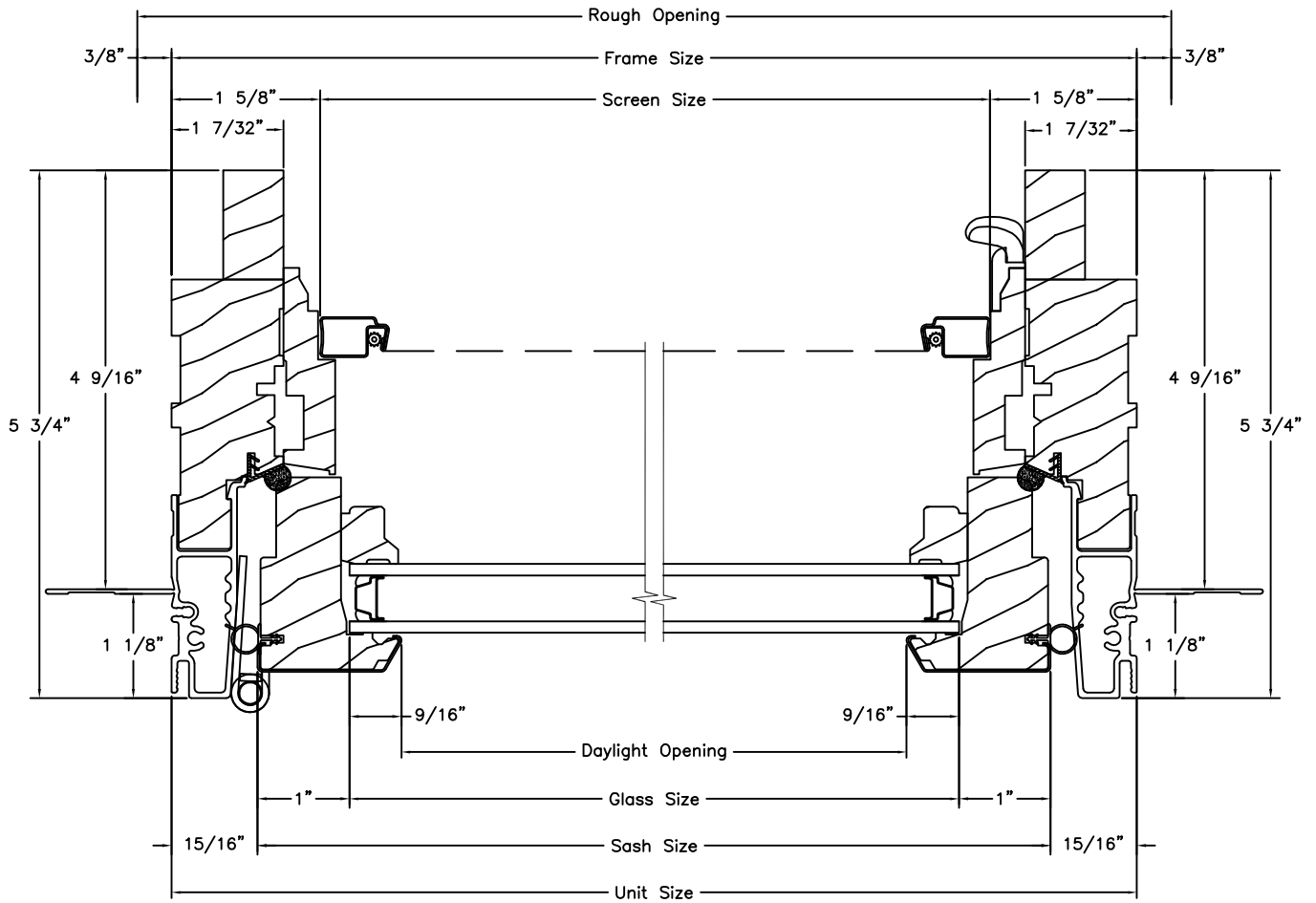
HORIZONTAL SECTION
PICTURE UNIT



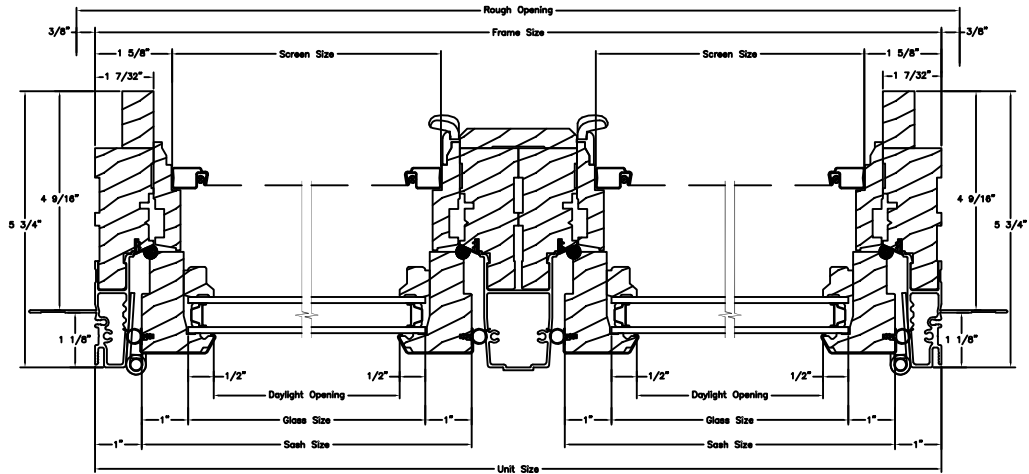
VERTICAL SECTION
SECTOR TOP
OPERATING UNIT



HORIZONTAL SECTION
SECTOR TOP
OPERATING UNIT

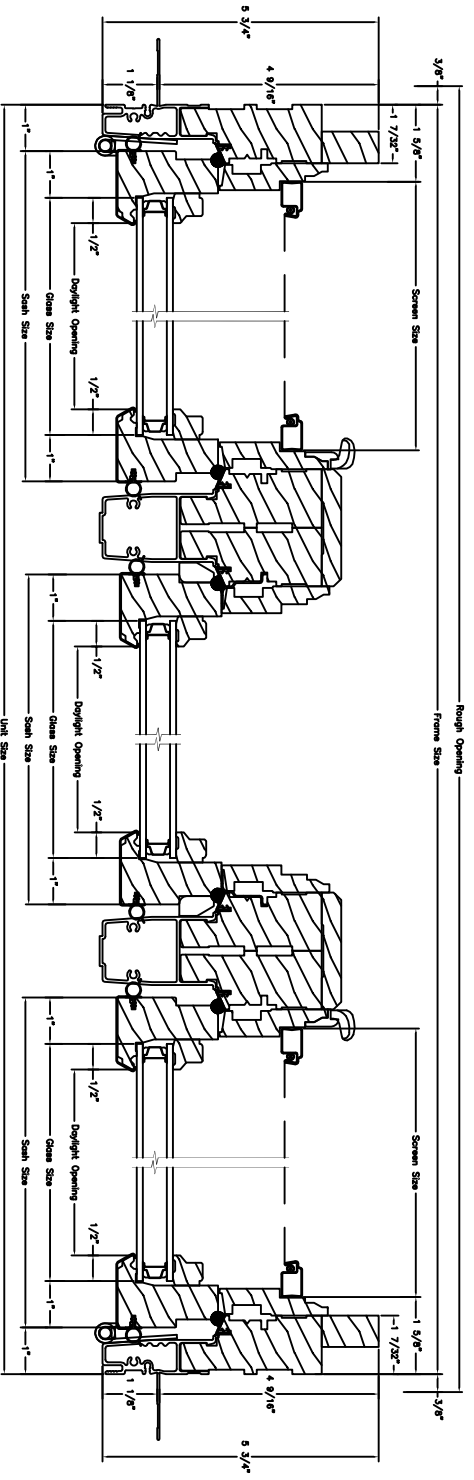


HORIZONTAL SECTION
SECTOR TOP 2-WIDE UNIT



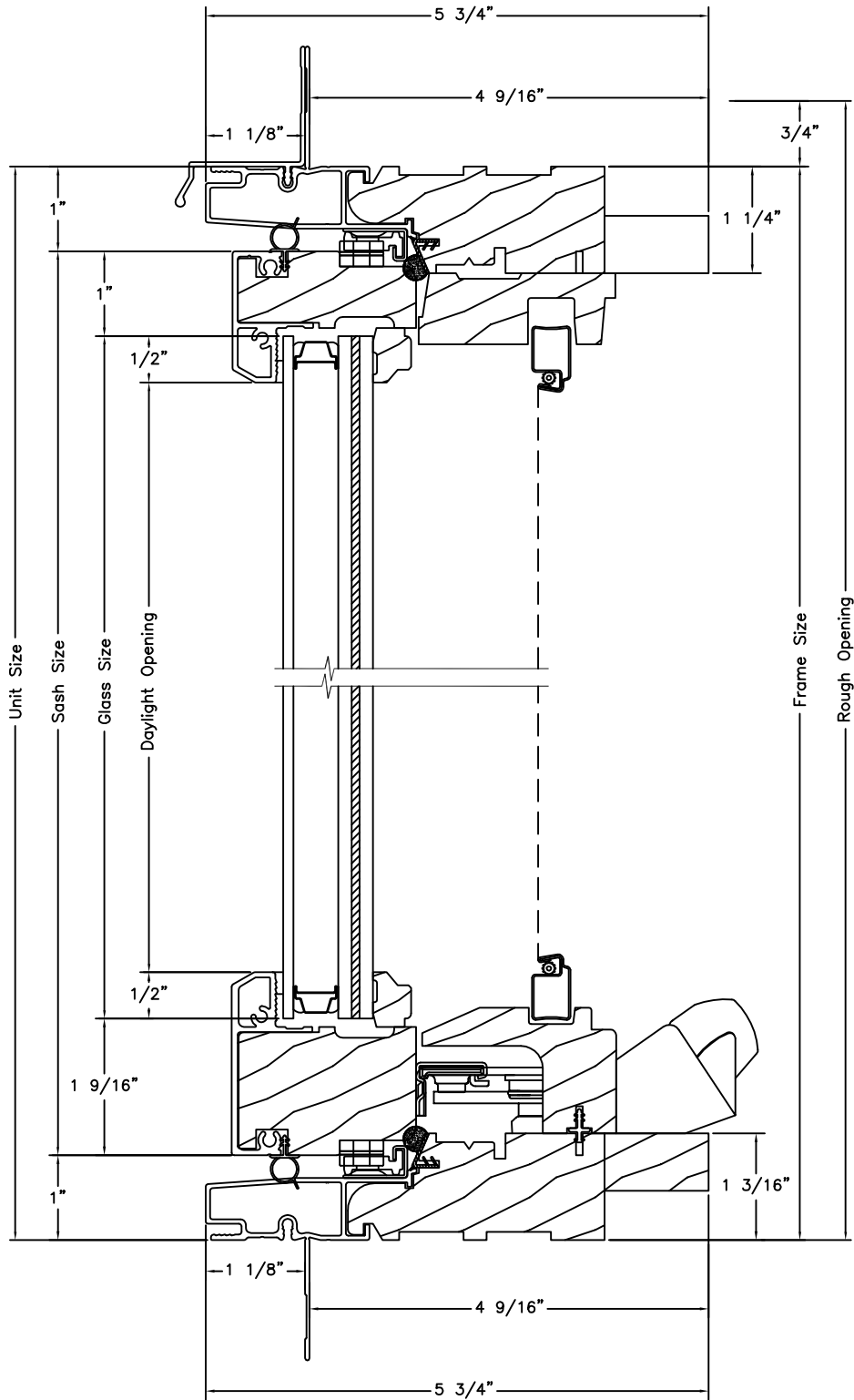
Horizontal Section

**HORIZONTAL SECTION
SECTOR TOP UNIT 3-WIDE**

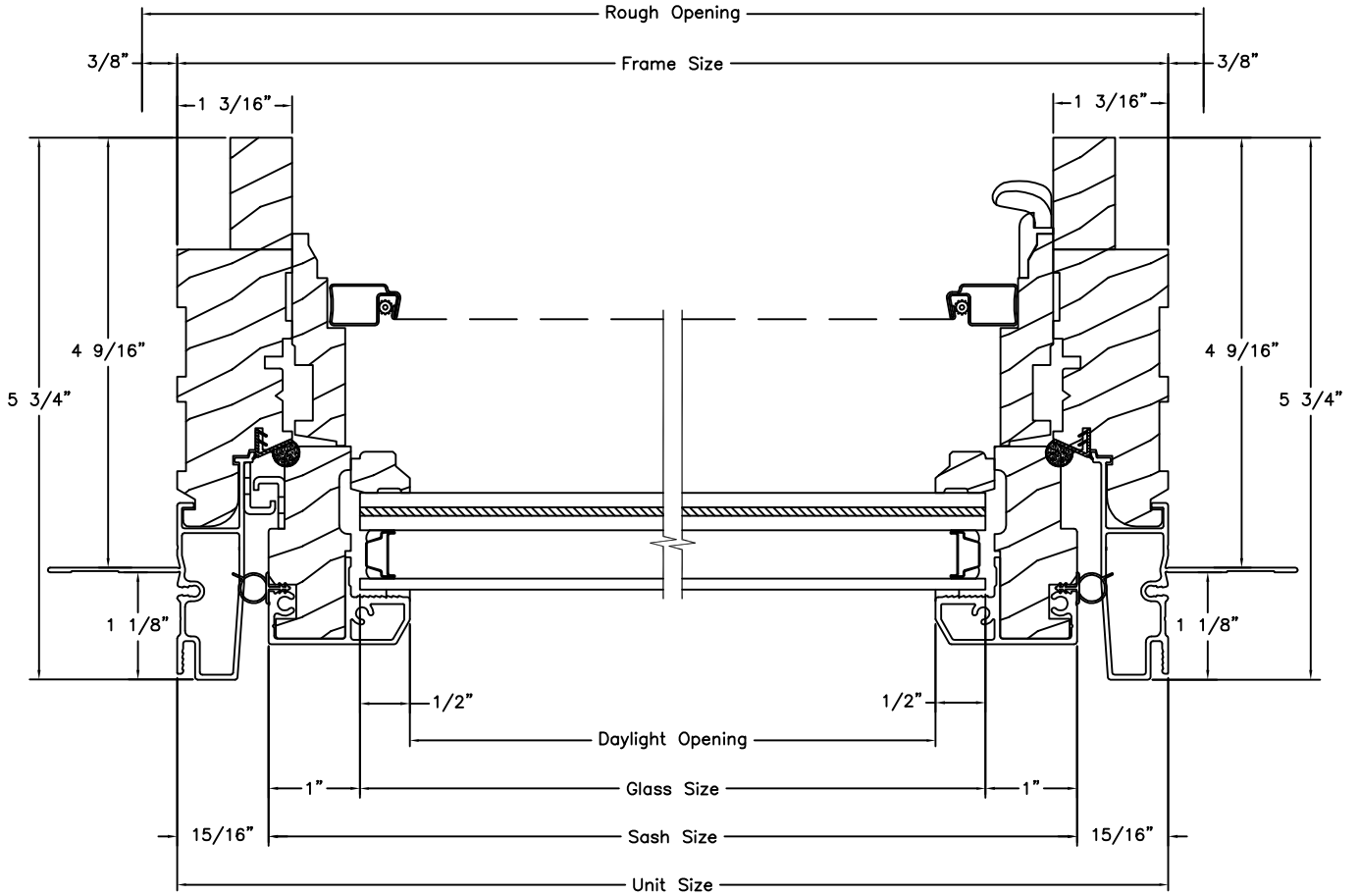


Horizontal Section

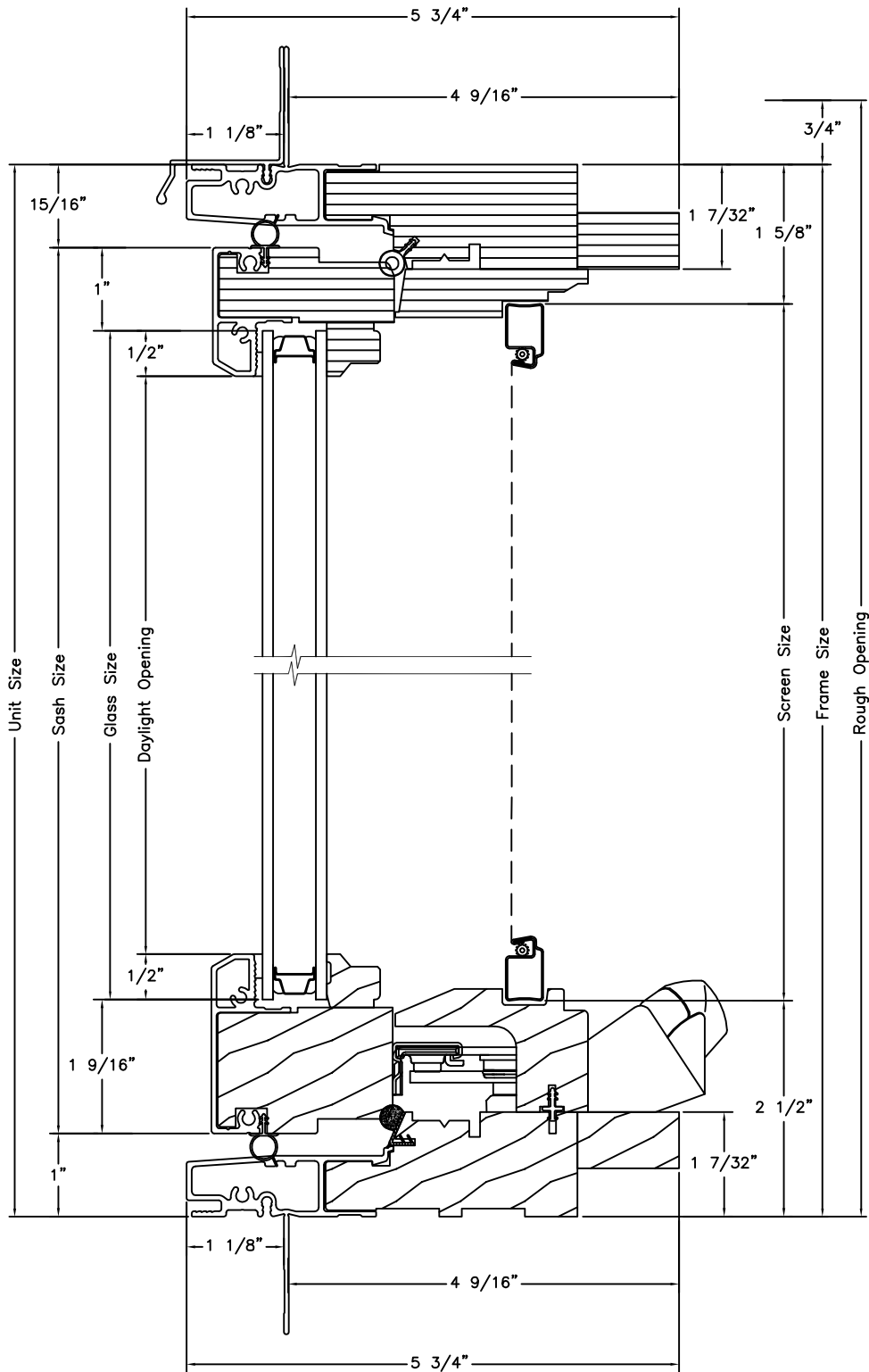
VERTICAL SECTION
EXTRUDED SASH IMPACT
OPERATING UNIT



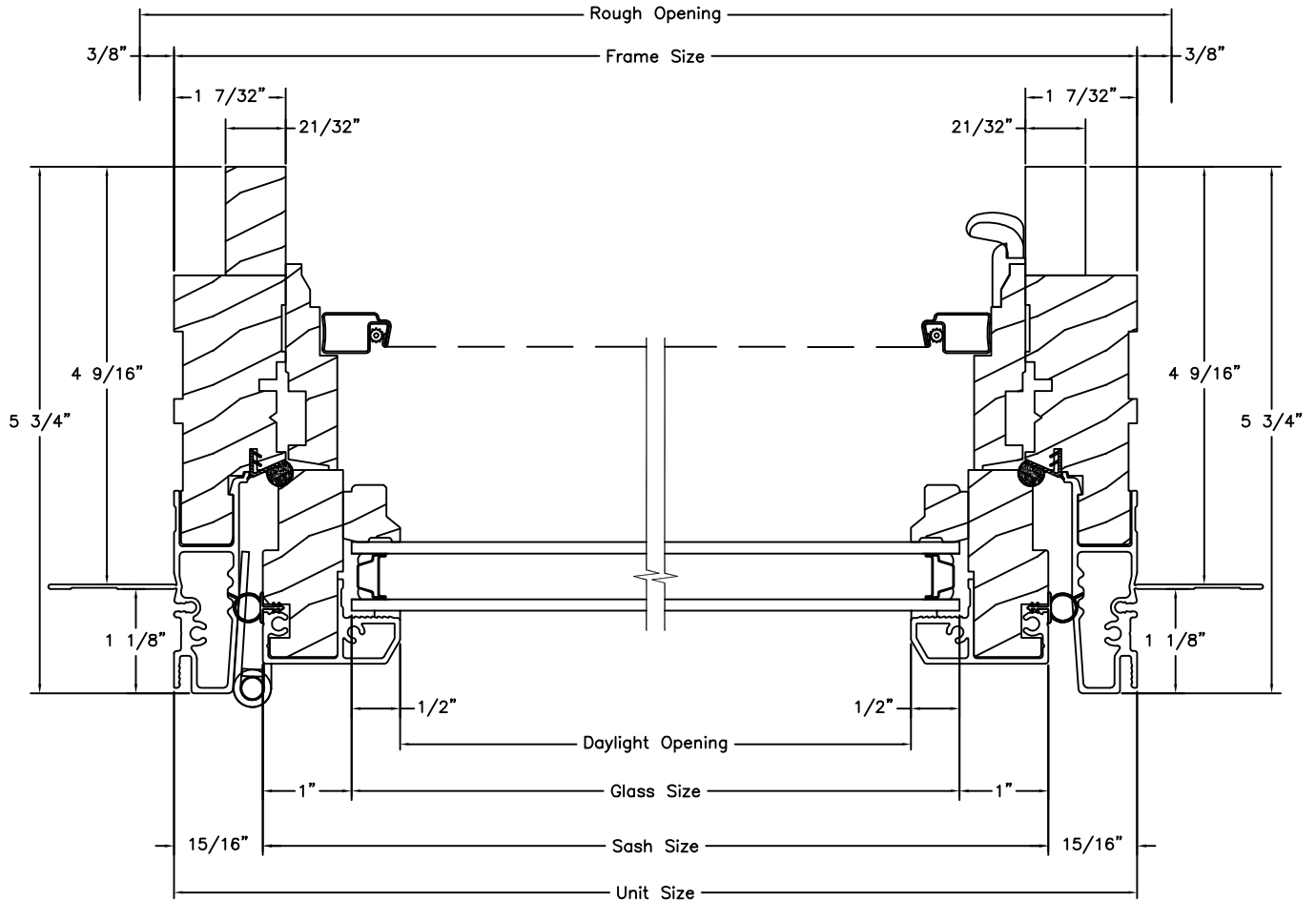
HORIZONTAL SECTION
EXTRUDED SASH IMPACT
OPERATING UNIT



VERTICAL SECTION
EXTENDED HALF ROUND UNIT



HORIZONTAL SECTION
EXTENDED HALF ROUND



BAY WINDOW HORIZONTAL
SPECIFICATION TABLES
TABLES

30° BAY

	A	F	B	C	E	D	G	
Flanker Width	Center Width	Rough Opening	Unit Width	Overall Projection	Projection Exterior Wall	Seating Depth	Outside Mull To Mull	Outside Mull To Unit
18	18	52 3/8	53 11/16	14 13/16	10 1/4	11 7/16	19 13/16	20 3/8
18	36	70 3/8	71 11/16	14 13/16	10 1/4	11 7/16	37 13/16	20 3/8
18	42	76 3/8	77 11/16	14 13/16	10 1/4	11 7/16	43 13/16	20 3/8
18	48	82 3/8	83 11/16	14 13/16	10 1/4	11 7/16	49 13/16	20 3/8
18	60	94 3/8	95 11/16	14 13/16	10 1/4	11 7/16	61 13/16	20 3/8
18	72	106 3/8	107 11/16	14 13/16	10 1/4	11 7/16	73 13/16	20 3/8

45° BAY

	A	F	B	C	E	D	G	
Flanker Width	Center Width	Rough Opening	Unit Width	Overall Projection	Projection Exterior Wall	Seating Depth	Outside Mull To Mull	Outside Mull To Unit
18	18	46 13/16	49 13/16	19 5/16	14 13/16	15 15/16	20 13/16	20 7/8
18	36	64 13/16	67 13/16	19 5/16	14 13/16	15 15/16	38 13/16	20 7/8
18	42	70 13/16	73 13/16	19 5/16	14 13/16	15 15/16	44 13/16	20 7/8
18	48	76 13/16	79 13/16	19 5/16	14 13/16	15 15/16	50 13/16	20 7/8
18	60	88 13/16	91 13/16	19 5/16	14 13/16	15 15/16	62 13/16	20 7/8
18	72	100 13/16	103 13/16	19 5/16	14 13/16	15 15/16	74 13/16	20 7/8

24	24	68 13/16	70 1/16	17 13/16	13 1/4	14 7/16	25 13/16	26 3/8
24	36	80 13/16	82 1/16	17 13/16	13 1/4	14 7/16	37 13/16	26 3/8
24	42	86 13/16	88 1/16	17 13/16	13 1/4	14 7/16	43 13/16	26 3/8
24	48	92 13/16	94 1/16	17 13/16	13 1/4	14 7/16	49 13/16	26 3/8
24	60	104 13/16	106 1/16	17 13/16	13 1/4	14 7/16	61 13/16	26 3/8
24	72	116 13/16	118 1/16	17 13/16	13 1/4	14 7/16	73 13/16	26 3/8

24	24	61 5/16	64 5/16	23 9/16	19 1/32	20 3/16	26 13/16	26 7/8
24	36	73 5/16	76 5/16	23 9/16	19 1/32	20 3/16	38 13/16	26 7/8
24	42	79 5/16	82 5/16	23 9/16	19 1/32	20 3/16	44 13/16	26 7/8
24	48	85 5/16	88 5/16	23 9/16	19 1/32	20 3/16	50 13/16	26 7/8
24	60	97 5/16	100 5/16	23 9/16	19 1/32	20 3/16	62 13/16	26 7/8
24	72	109 5/16	112 5/16	23 9/16	19 1/32	20 3/16	74 13/16	26 7/8

28	28	79 11/16	81	19 13/16	15 1/4	16 7/16	29 13/16	30 3/8
28	36	87 11/16	89	19 13/16	15 1/4	16 7/16	37 13/16	30 3/8
28	42	93 11/16	95	19 13/16	15 1/4	16 7/16	43 13/16	30 3/8
28	48	99 11/16	101	19 13/16	15 1/4	16 7/16	49 13/16	30 3/8
28	60	111 11/16	113	19 13/16	15 1/4	16 7/16	61 13/16	30 3/8
28	72	123 11/16	125	19 13/16	15 1/4	16 7/16	73 13/16	30 3/8

28	28	71	73 31/32	26 3/8	21 7/8	23	30 13/16	30 7/8
28	36	79	81 31/32	26 3/8	21 7/8	23	38 13/16	30 7/8
28	42	85	87 31/32	26 3/8	21 7/8	23	44 13/16	30 7/8
28	48	91	93 31/32	26 3/8	21 7/8	23	50 13/16	30 7/8
28	60	103	105 31/32	26 3/8	21 7/8	23	62 13/16	30 7/8
28	72	115	117 31/32	26 3/8	21 7/8	23	74 13/16	30 7/8

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

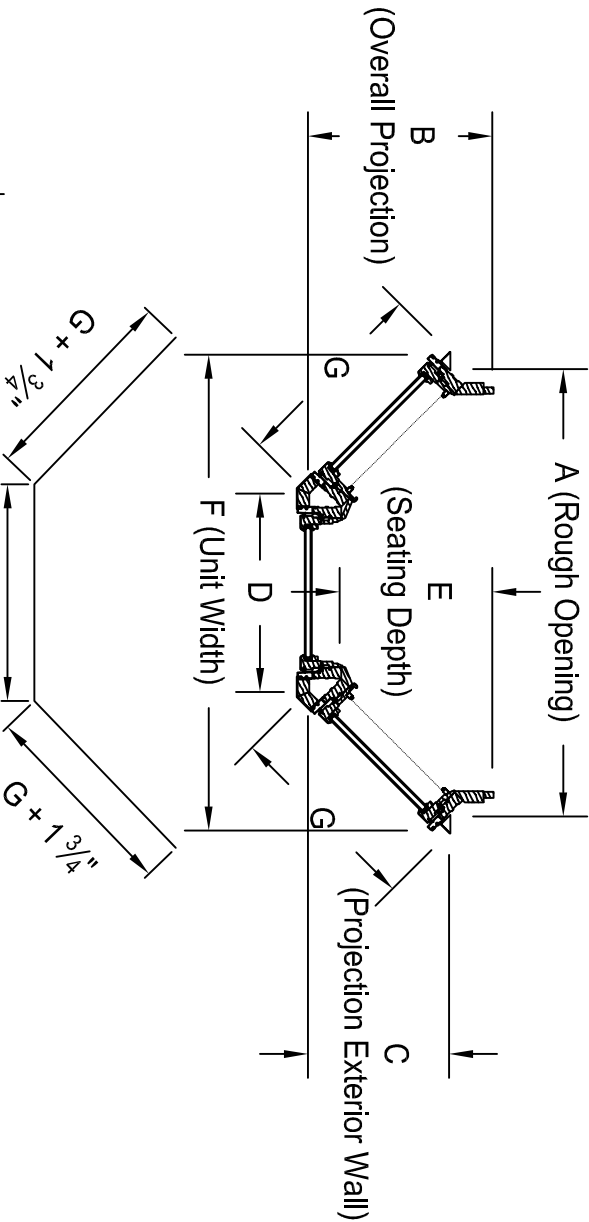
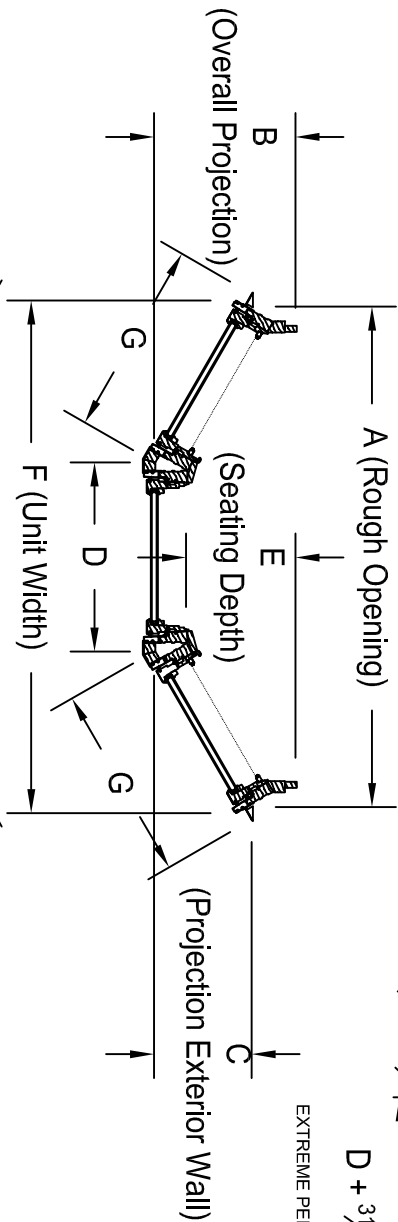
BAY WINDOW HORIZONTAL SPECIFICATION TABLES SECTIONS

BOOKCODE NOTE:

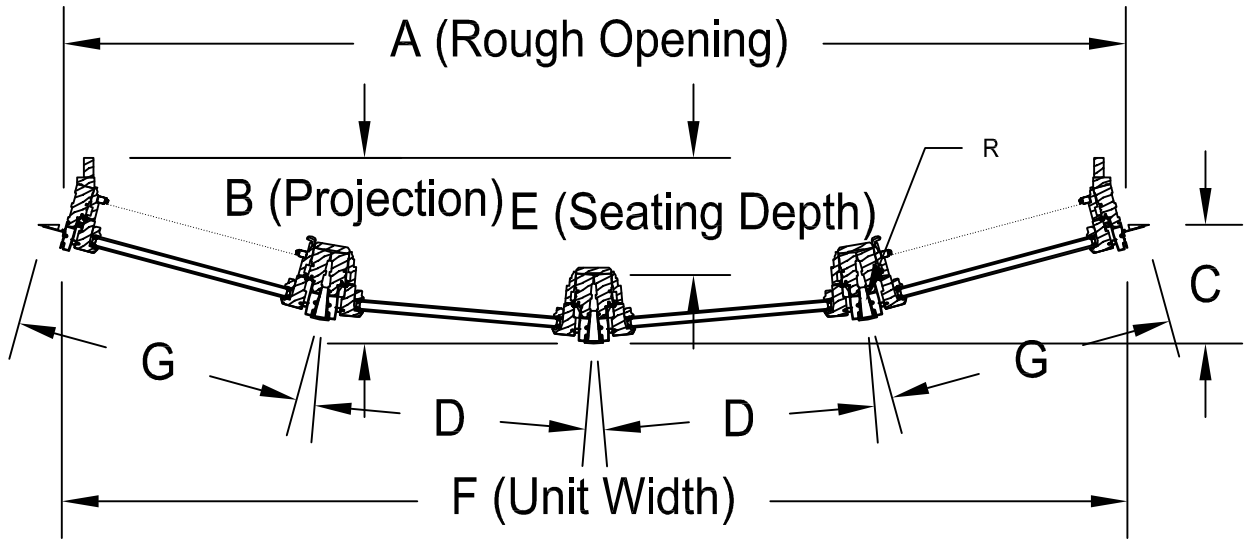
CCY183648-30

Degree of Bay Window
 Frame Height
 Center Frame Width
 Flanker Frame Width

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.



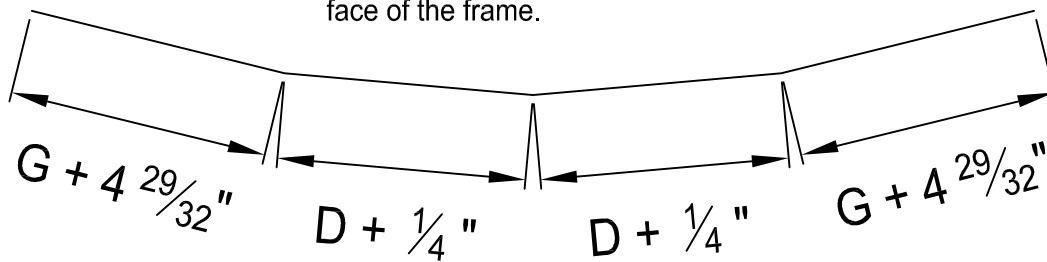
BOW WINDOW HORIZONTAL
SPECIFICATION TABLES
4-WIDE



4 WIDE BOW									
Flanker Width	A Rough Opening	F Unit Width	B Overall Projection*	C Projection Exterior Wall	E Seating Depth*	D Outside Mull To Mull	G Outside Mull To Unit	R Radius	
18	72 7/8	72 32/32	11 13/32	6 27/32	8	18 19/32	19 25/32	106 1/2	
24	96 7/16	96 1/2	13 15/32	8 29/32	10 3/32	24 19/32	25 25/32	140 3/8	
28	112 1/8	112 3/16	14 7/8	10 5/16	11 15/32	28 19/32	29 25/32	163 1/16	

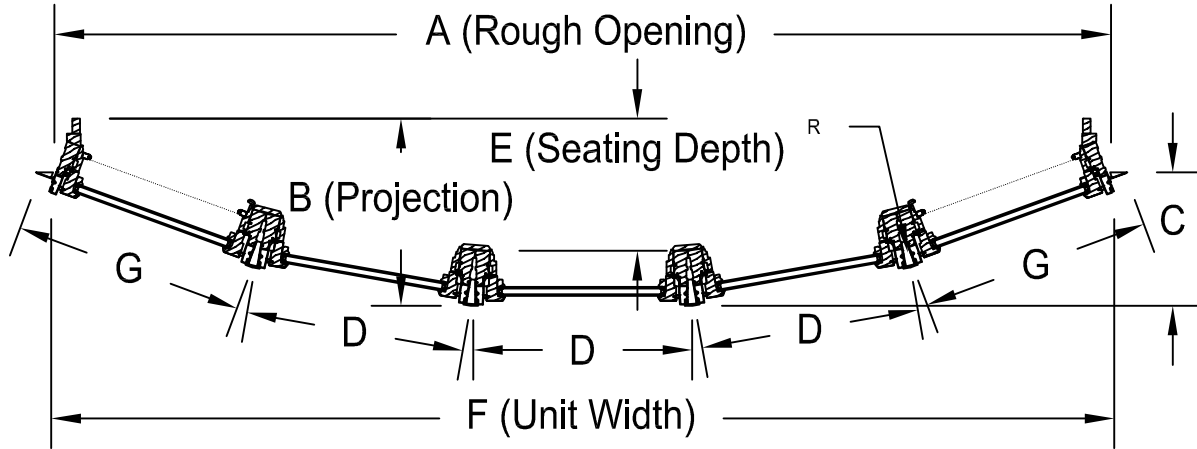
EXTREME PERIMETER

Extreme Perimeter is the distance around the face of the bow, beginning at the exterior sheathing and continuing around the assembly along the extreme face of the frame.



EXTREME PERIMETER

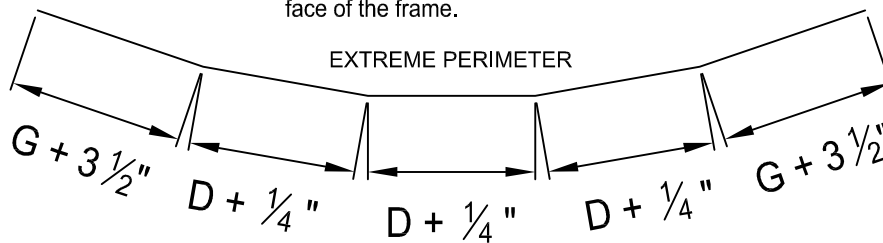
BOW WINDOW HORIZONTAL
SPECIFICATION TABLES
5-WIDE



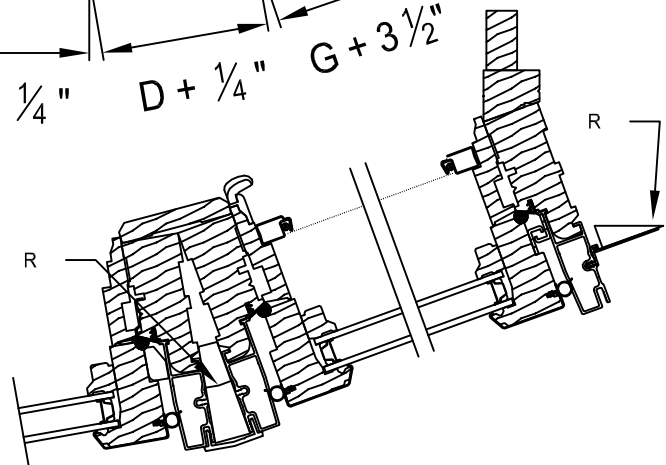
5 WIDE BOW									
Flanker Width	A Rough Opening	F Unit Width	B * Overall Projection	C Projection Exterior Wall	E * Seating Depth	D Outside Mull To Mull	G Outside Mull To Unit	R Radius	
18	89 15/16	90 3/8	14 5/8	10 1/16	11 7/32	18 19/32	19 25/32	106 1/2	
24	119	119 7/16	17 11/16	13 1/8	14 5/16	24 19/32	25 25/32	140 15/16	
28	138 3/8	138 27/32	19 3/4	15 3/16	16 3/8	28 19/32	29 25/32	163 1/16	

EXTREME PERIMETER

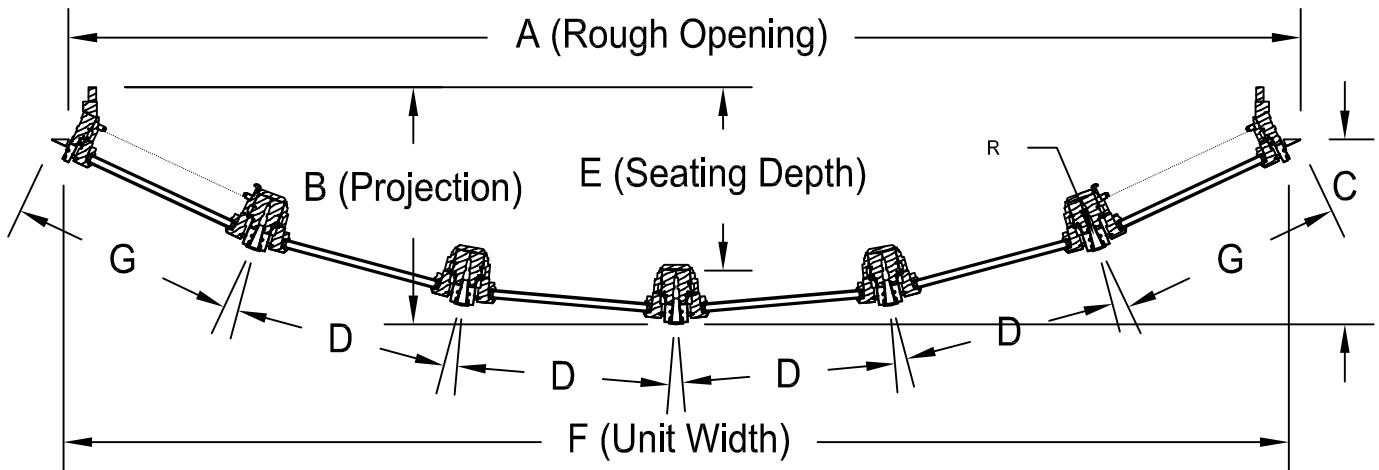
Extreme Perimeter is the distance around the face of the bow, beginning at the exterior sheathing and continuing around the assembly along the extreme face of the frame.



RADIUS NOTE: The Radius of a Bow Window is referenced from the interior of the Nailing Flange.



BOW WINDOW HORIZONTAL
SPECIFICATION TABLES
6-WIDE



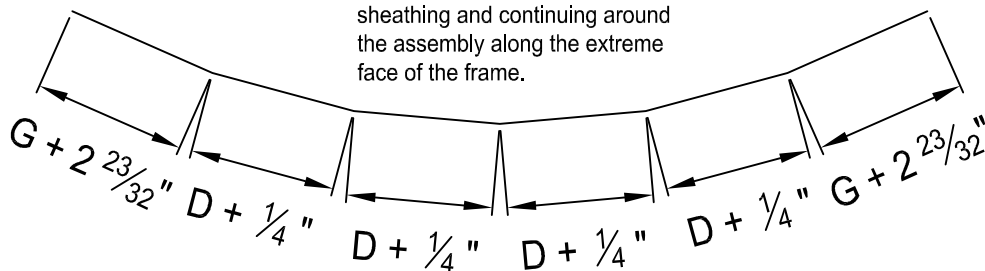
6 WIDE BOW									
Flanker Width	A Rough Opening	F Unit Width	B* Overall Projection	C Projection Exterior Wall	E* Seating Depth	D Outside Mull To Mull	G Outside Mull To Unit	R Radius	
18	106 1/4	107 1/16	19 3/8	14 13/16	16	18 19/32	19 25/32	106 1/2	
24	140 5/8	141 15/32	24	19 7/16	20 5/8	24 19/32	25 25/32	140 15/16	
28	163 5/8	164 7/16	27 1/16	22 1/2	23 11/16	28 19/32	29 25/32	163 1/16	

4 9/16 and 6 9/16 WALL APPLICATION

The tables above reflect a 4 9/16" wall application. To convert to 6 9/16" wall application add 2" to the figures in the columns which show an asterisk (*), B and E.

EXTREME PERIMETER

Extreme Perimeter is the distance around the face of the bow, beginning at the exterior sheathing and continuing around the assembly along the extreme face of the frame.



EXTREME PERIMETER

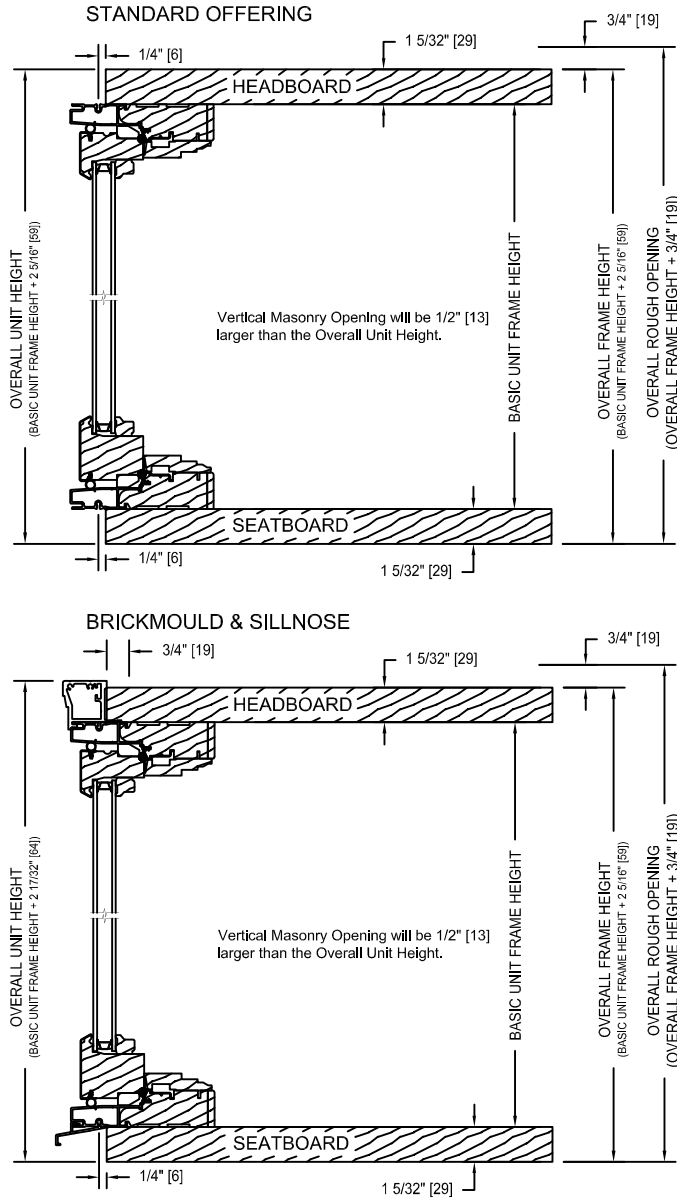
BAY & BOW WINDOW ROUGH OPENINGS

BAY & BOW WINDOW TRIM OPTIONS

The standard offering for clad bay & bow windows is 'frame only' and brickmould and sillnose. Other trim options subject to approval. Rough & Masonry openings remain consistent with all trim options.

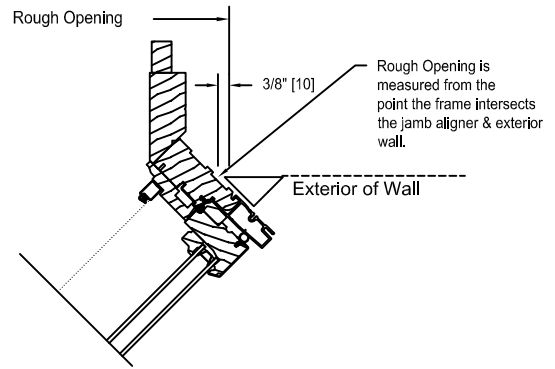
VERTICAL ROUGH OPENING

Rough Opening typical for all Units

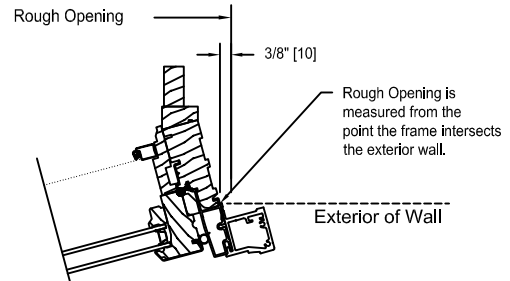


HORIZONTAL ROUGH OPENING

Rough Opening typical for all Units

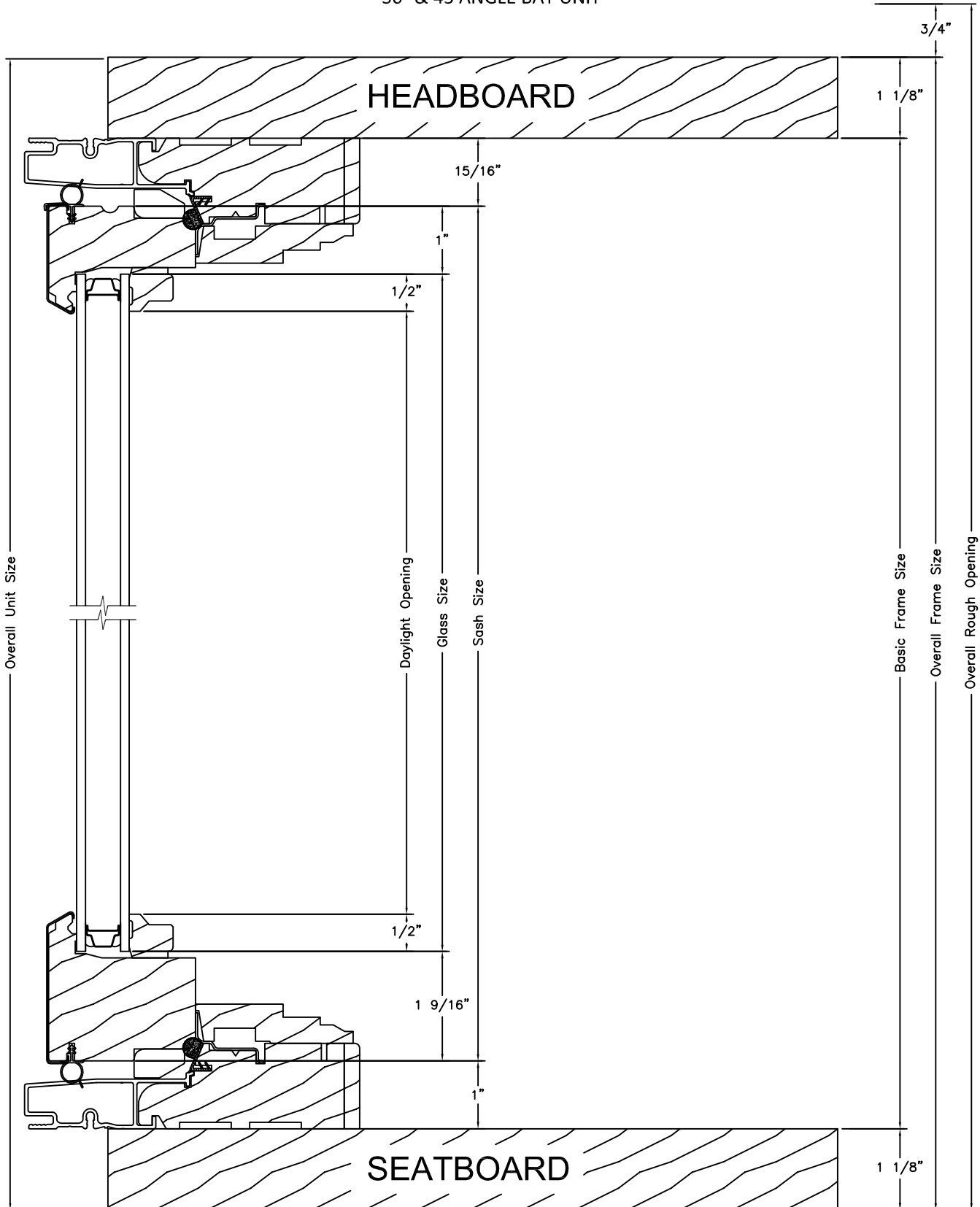


30° & 45° BAYS
45° Bay Shown without trim

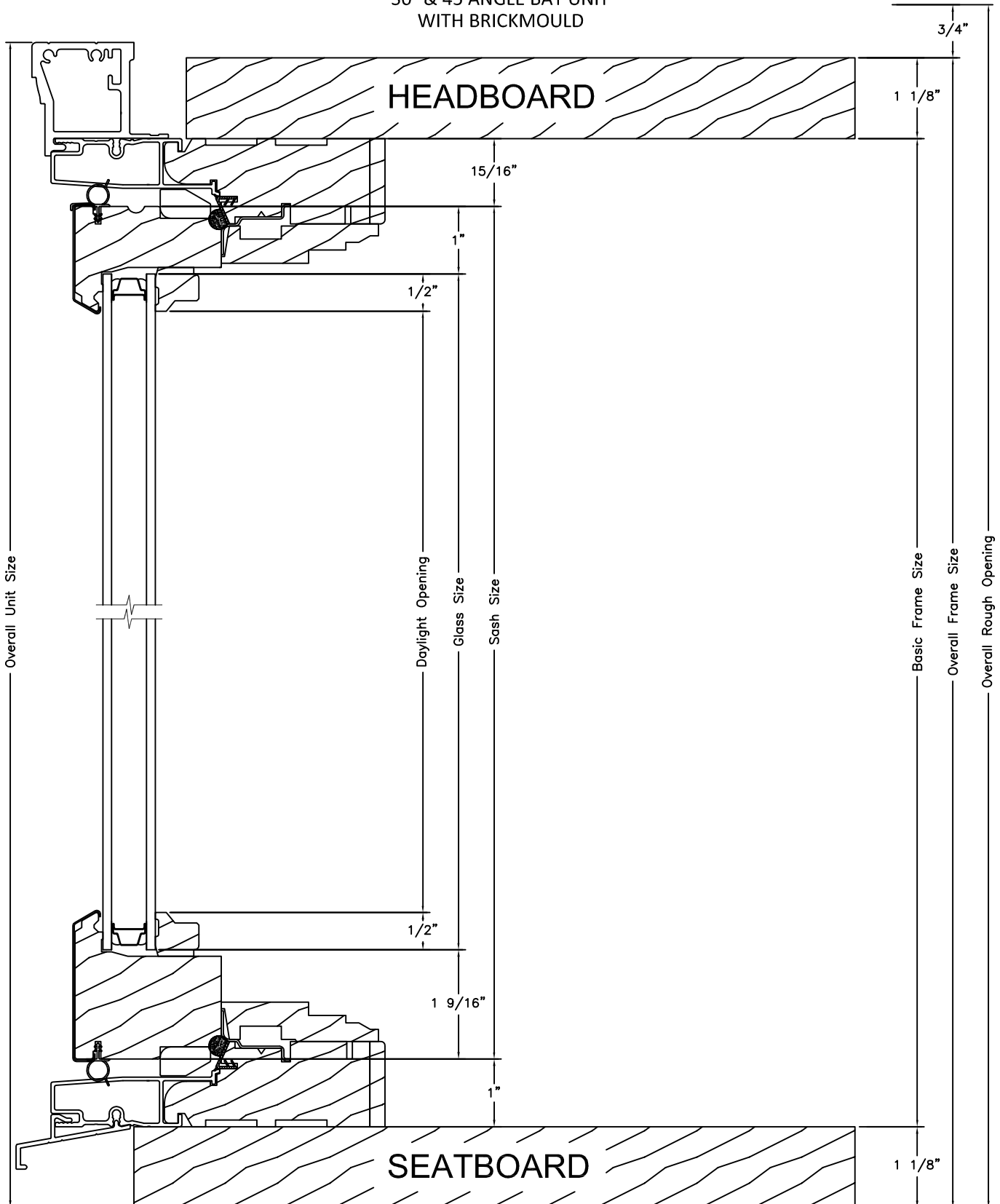


4, 5 & 6 WIDE BOWS
4 Wide Bow Shown with Brickmould Shown

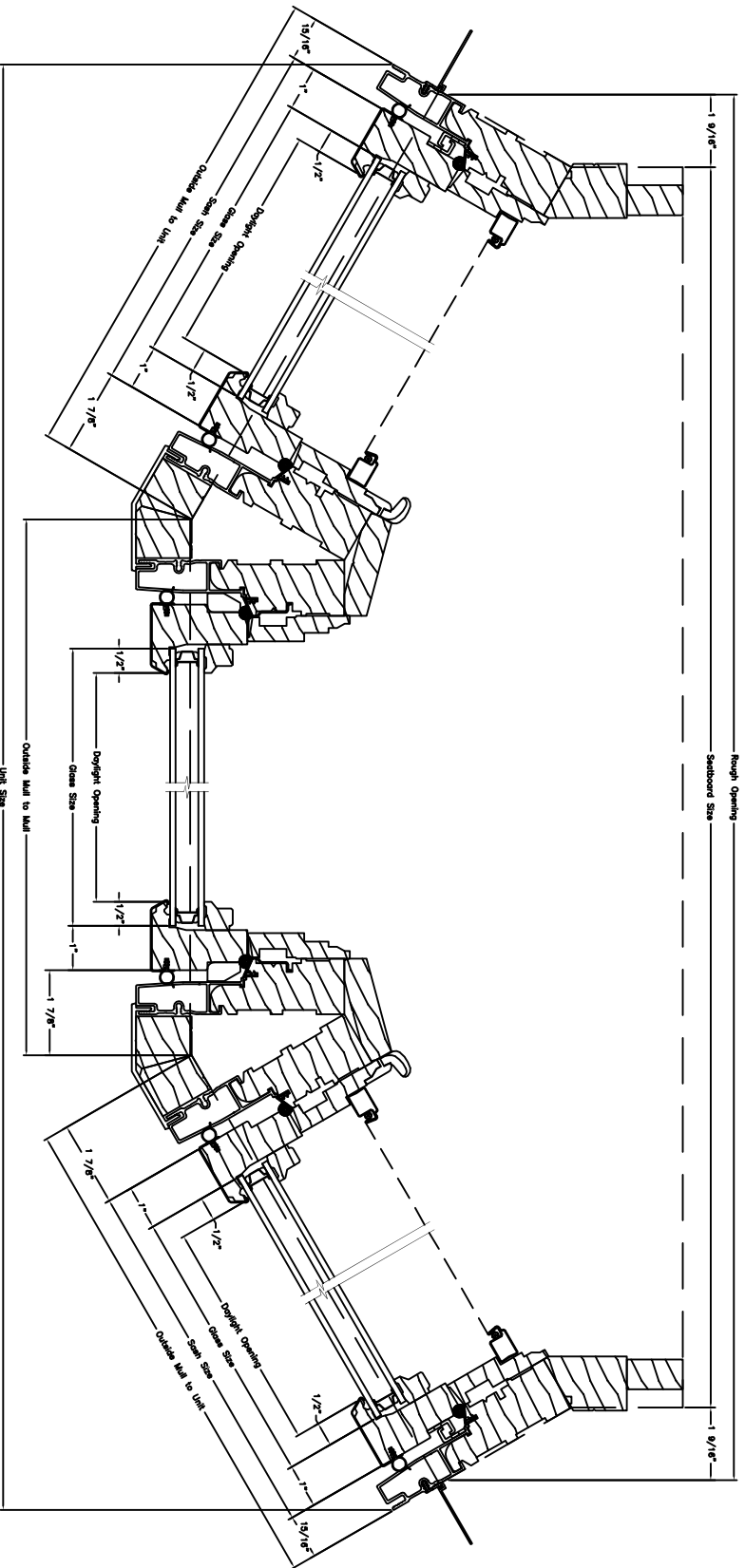
VERTICAL SECTION
30° & 45 ANGLE BAY UNIT



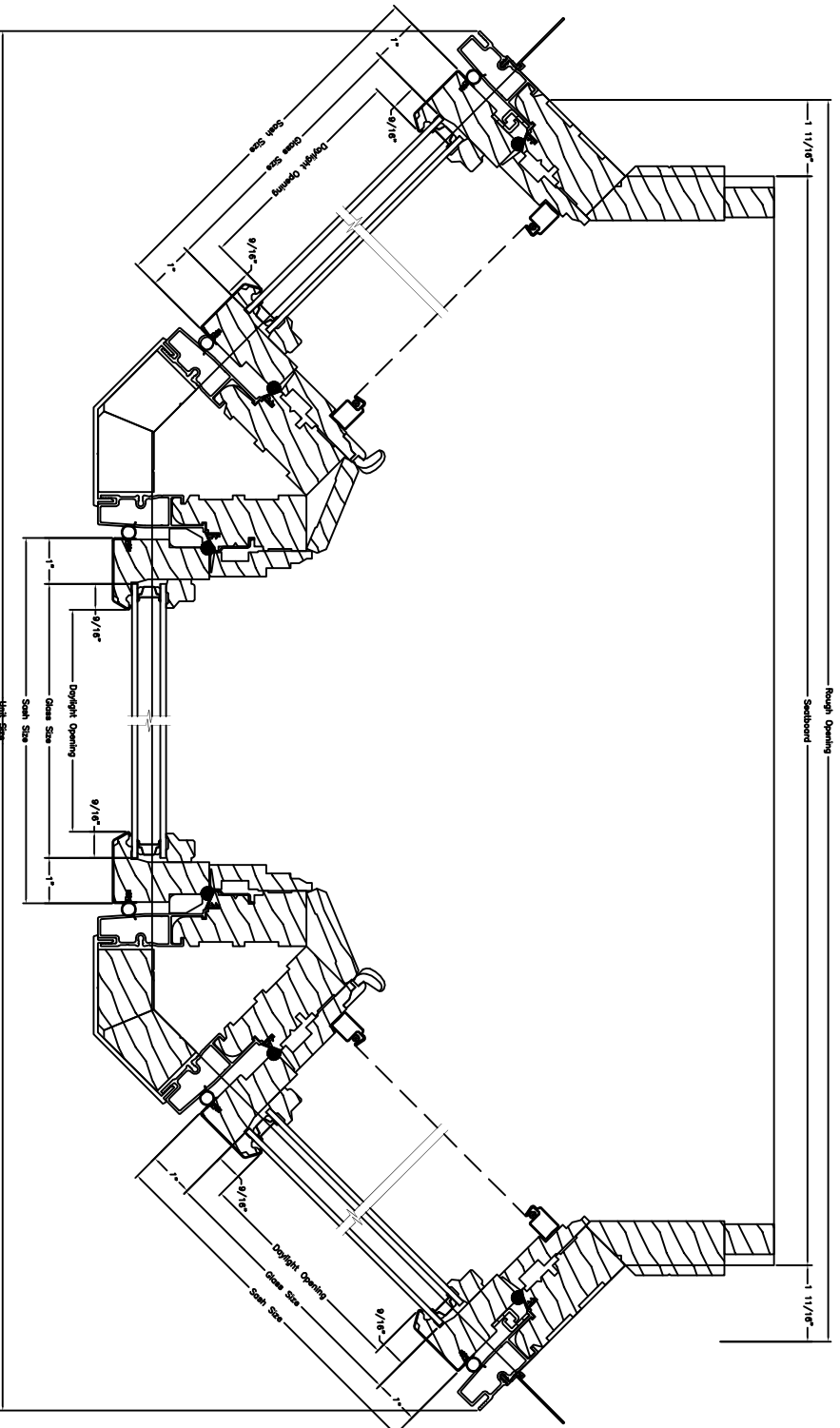
VERTICAL SECTION
30° & 45 ANGLE BAY UNIT
WITH BRICKMOULD



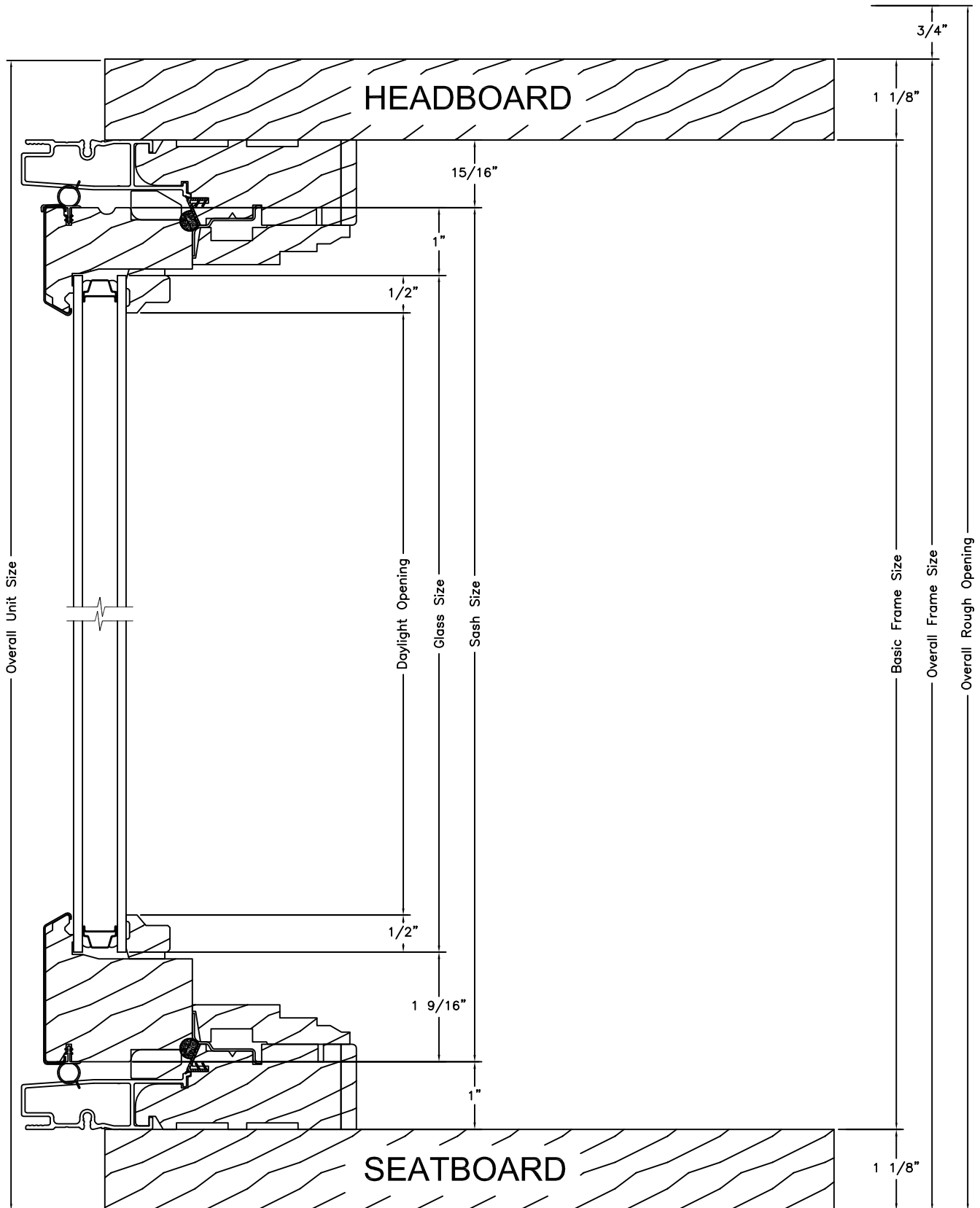
HORIZONTAL SECTION
30° ANGLE BAY UNIT



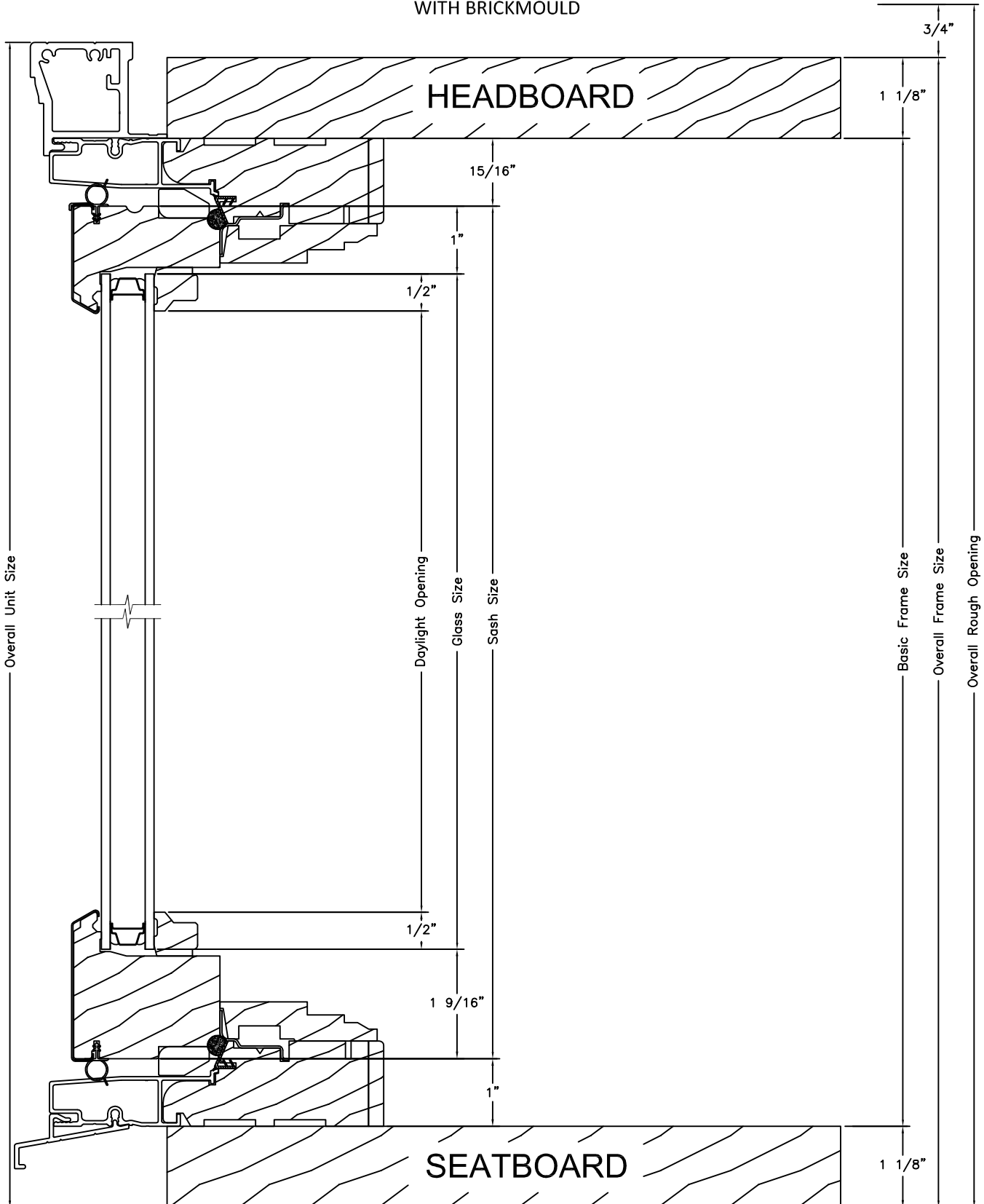
**HORIZONTAL SECTION
45° ANGLE BAY UNIT**



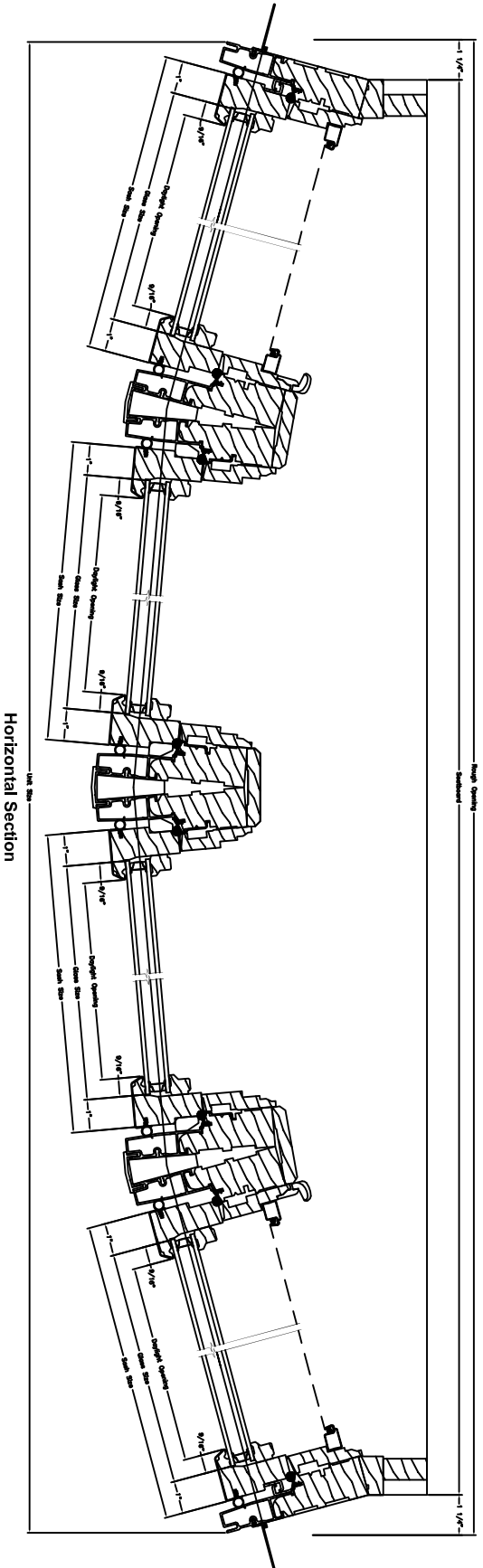
VERTICAL SECTION
BOW UNITS



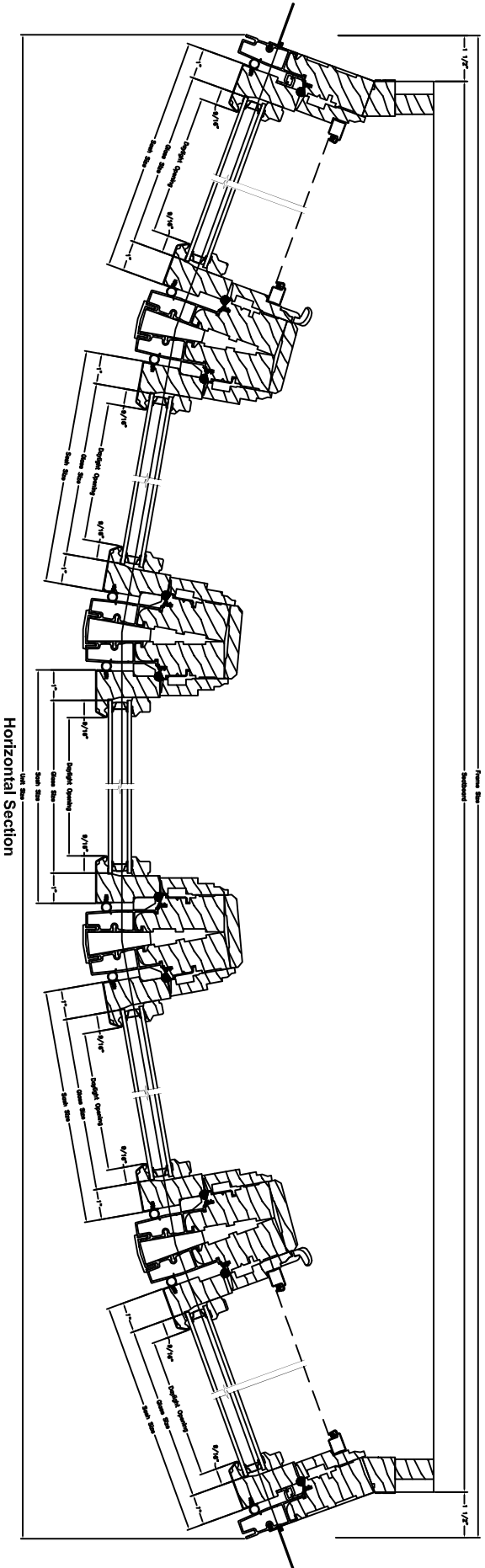
VERTICAL SECTION
BOW UNITS
WITH BRICKMOULD



HORIZONTAL SECTION
BOW UNITS
4-WIDE



HORIZONTAL SECTION
BOW UNITS
5-WIDE



**HORIZONTAL SECTION
BOW UNITS
6-WIDE**

