

TECHNICAL DATA

DESCRIPTION: 2 1/2" (63.5mm) WIDE, STRUCTURAL SILICONE GLAZED THERMALLY BROKEN WALL SYSTEM, WITH 3" (76.2mm), 4" (101.6mm), 5 1/4" (133.3mm), 6 5/8" (168.2mm), 8" (203.2mm) AND 10" (254mm) DEPTH

COMPATIBILITY: ADHESION TESTING OF SILICONE TO FINISHED SECTIONS IS RECOMMENDED BY THE SILICONE MANUFACTURERS. DESIGNED TO SUIT ALL DOORS HARDWARE.

FINISH: PROFILES STOCKED IN MILL FINISH AND CLEAR ANODIZED, OTHER FINISHES ARE AVAILABLE. SAMPLES UPON REQUEST

STOCK LENGTH: 24'-2" (7.37 METERS).

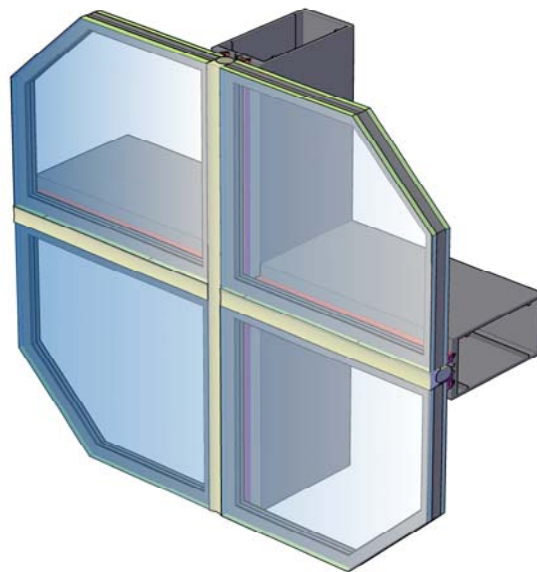
ASSEMBLY: DESIGNED FOR SHEAR BLOCK ASSEMBLY

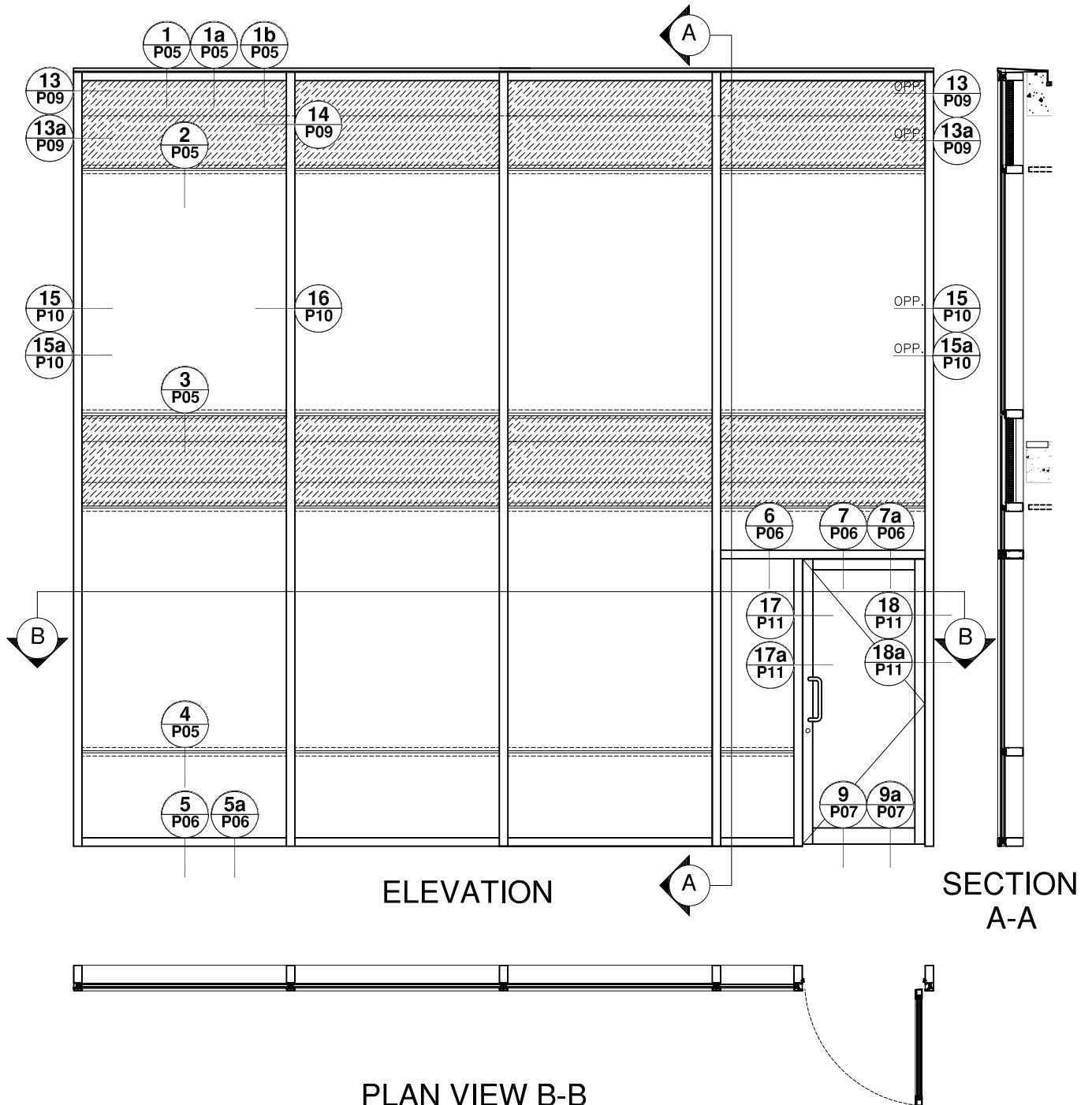
REINFORCING: ALUMINUM REINFORCING IS AVAILABLE

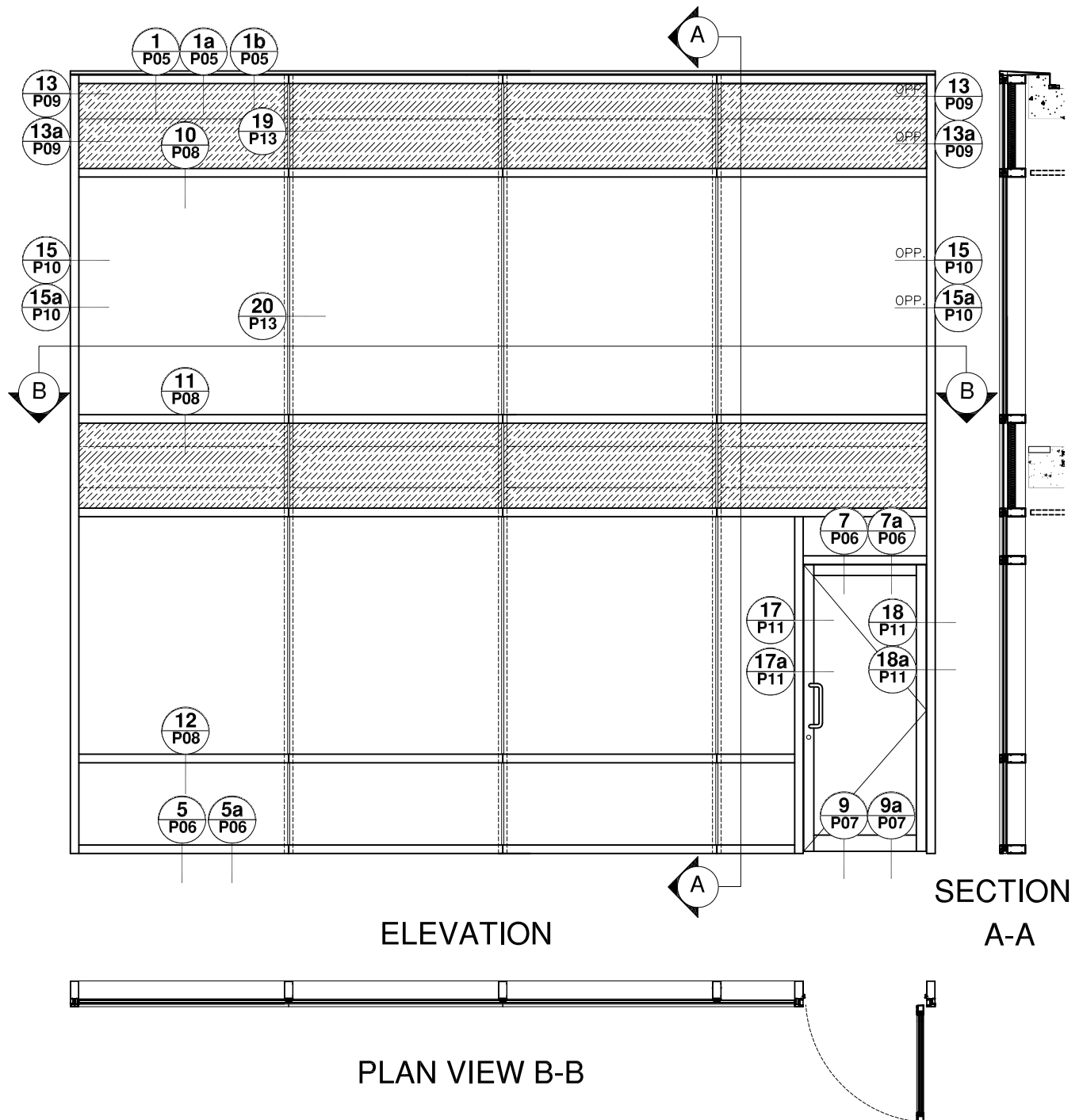
STRENGTH: REFER TO WIND LOAD CHARTS FOR MAXIMUM ALLOWABLE SPAN, CONSULT STRUCTURAL ENGINEERING FOR FINAL DESIGN

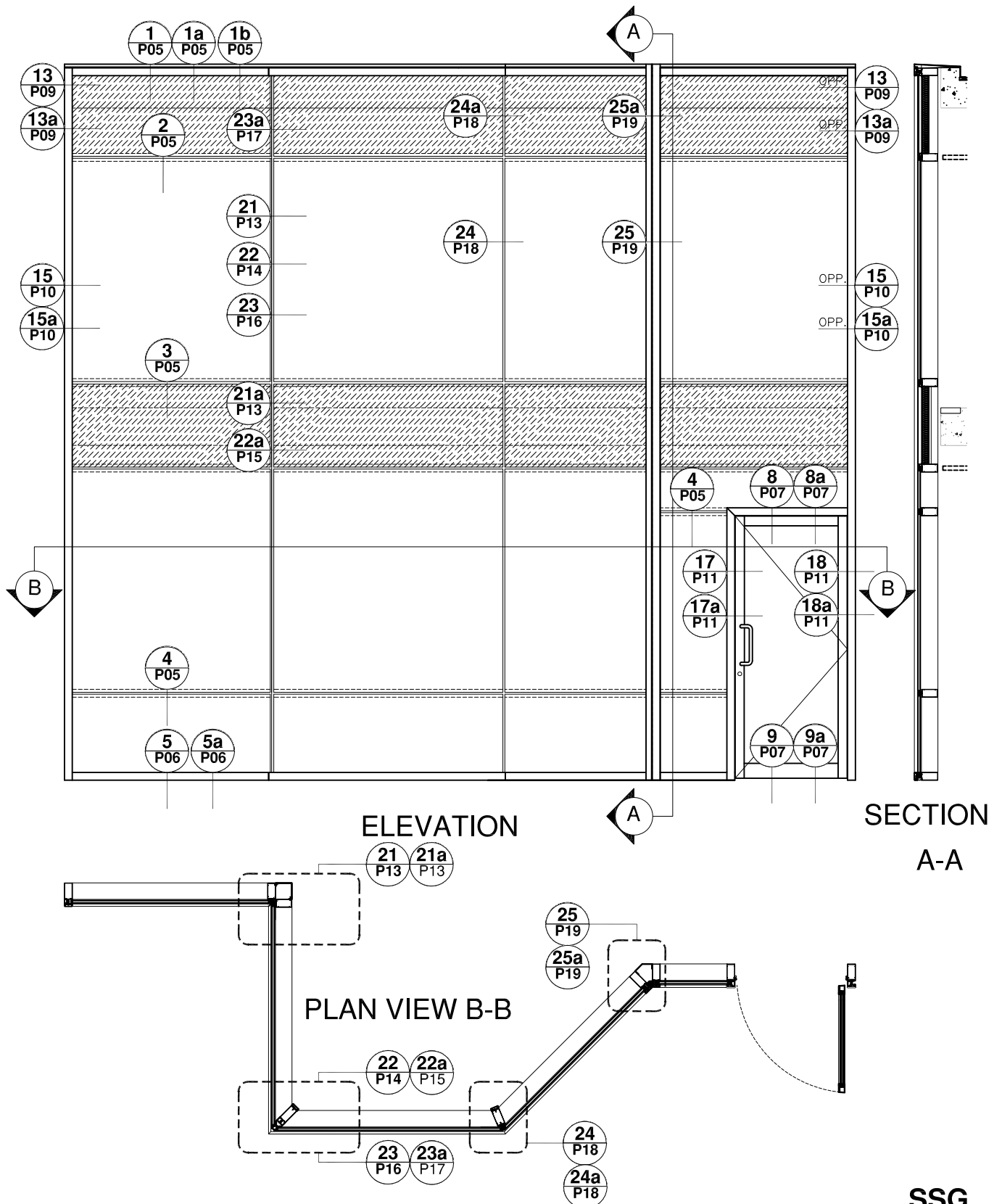
ANCHORING: REFER TO FABRICATION AND INSTALLATION MANUAL.

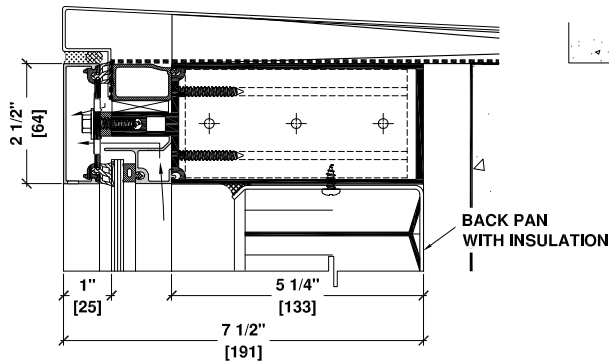
GLAZING: 8000 SERIES IS AN EXTERIOR GLAZED SYSTEM WHICH WILL ACCEPT 1/4" (6mm), 1/2" (12.7mm) SINGLE GLASS, 1" (25mm) SEALED UNIT AND 1 3/4" TRIPLE GLAZED UNITS.



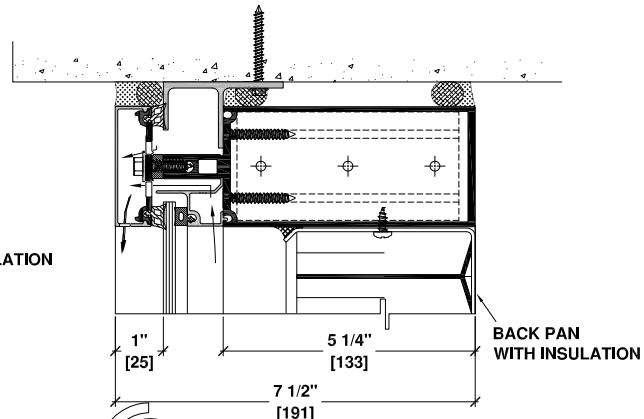




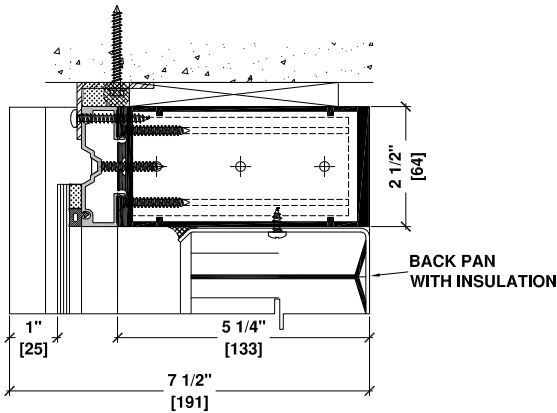




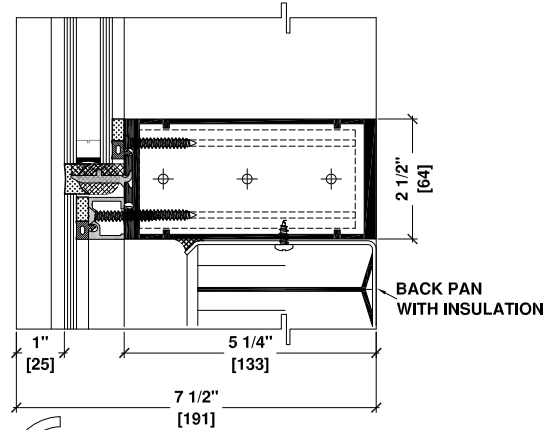
1 5 1/4" HORIZONTAL TUBE
CAPPED / SPANDREL
HEAD CONDITION (PARAPET WALL)



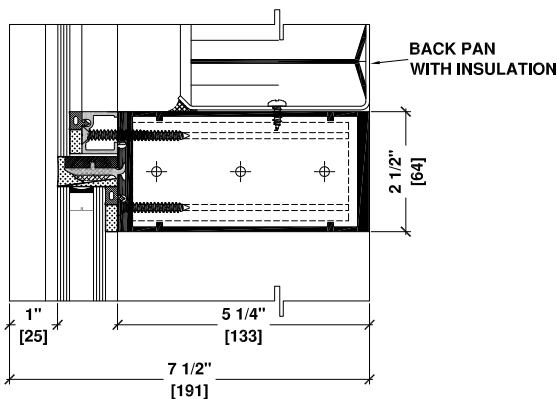
1a 5 1/4" HORIZONTAL TUBE
CAPPED / SPANDREL
HEAD CONDITION (SLAB)



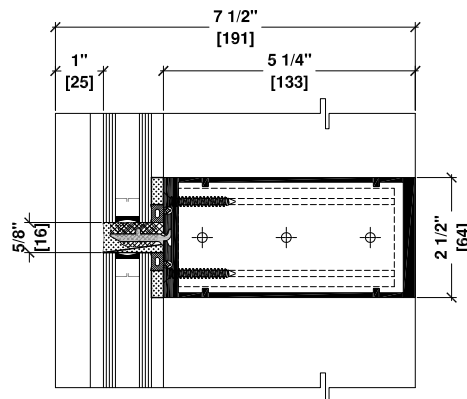
1b 5 1/4" HORIZONTAL TUBE
SSG / SPANDREL
HEAD CONDITION (SLAB)



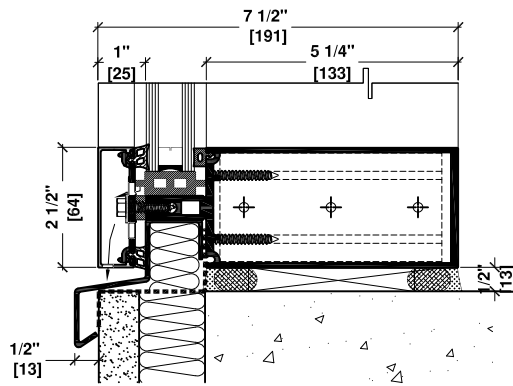
3 5 1/4" HORIZONTAL TUBE
VISION / SPANDREL
SSG



2 5 1/4" HORIZONTAL TUBE
SPANDREL / VISION
SSG

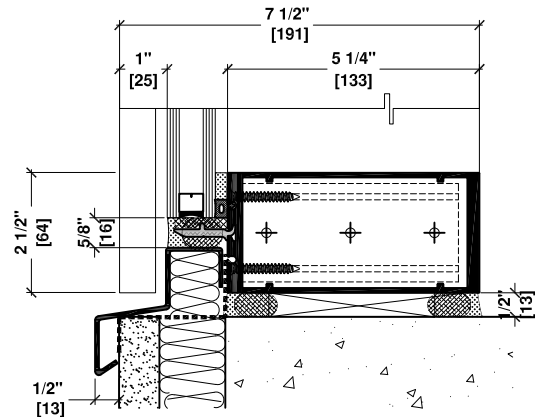


4 5 1/4" HORIZONTAL TUBE
VISION / VISION
SSG



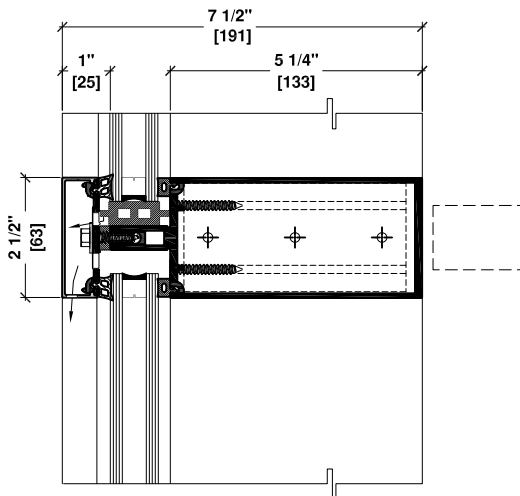
5

**5 1/4" HORIZONTAL TUBE
CAPPED / VISION
SILL CONDITION**



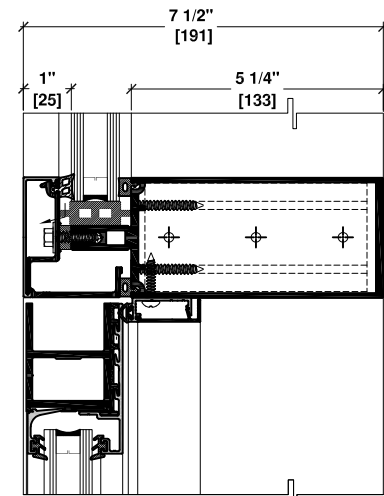
5a

**5 1/4" HORIZONTAL TUBE
SSG / VISION
SILL CONDITION**



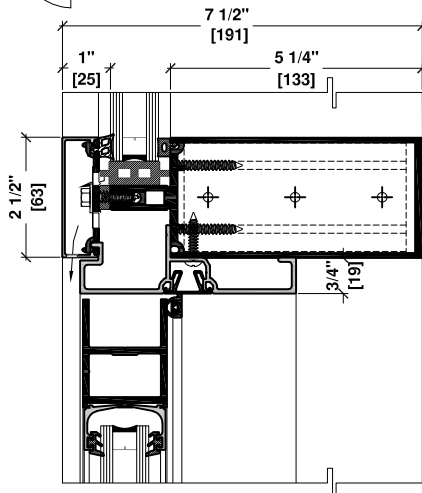
6

**5 1/4" HORIZONTAL TUBE
VISION / VISION
CAPPED**



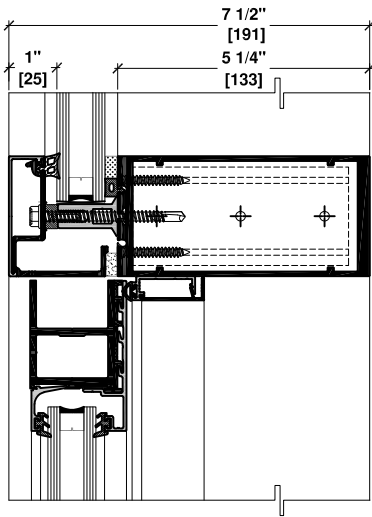
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**5 1/4" HORIZONTAL TUBE
VISION / SERIES 260 DOOR
DOOR HEAD DETAIL**



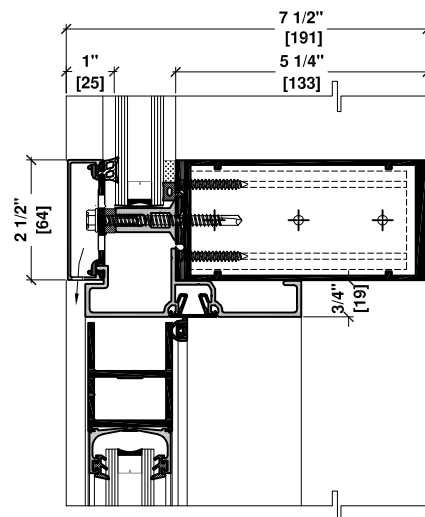
7a

**5 1/4" HORIZONTAL TUBE
VISION / SERIES 175 DOOR
DOOR HEAD DETAIL**



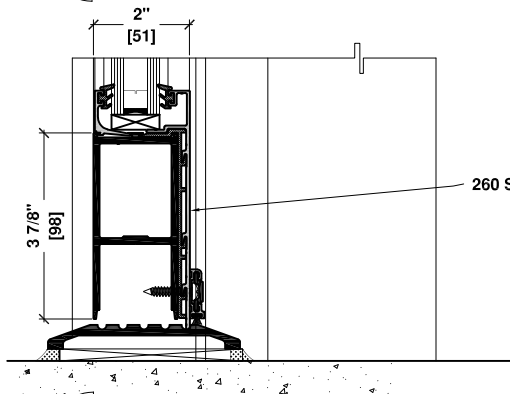
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**5 1/4" HORIZONTAL TUBE (SSG)
VISION / SERIES 260 DOOR
DOOR HEAD DETAIL**



8a

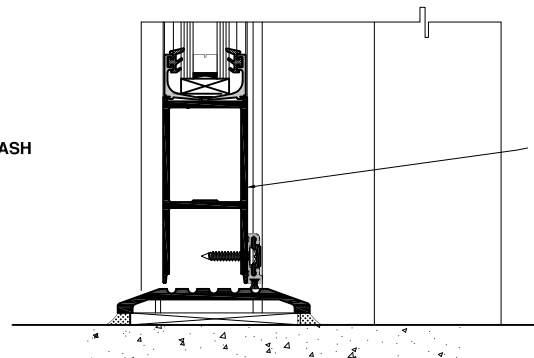
**5 1/4" HORIZONTAL TUBE (SSG)
VISION / SERIES 175 DOOR
DOOR HEAD DETAIL**



260 SERIES DOOR SASH

9

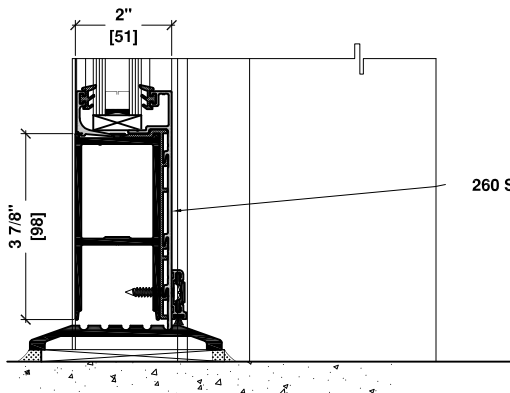
**S260 DOOR 3-7/8 "
BOTTOM RAIL WITH
SSG 5/14" MULLION**



175 SERIES DOOR SASH

9a

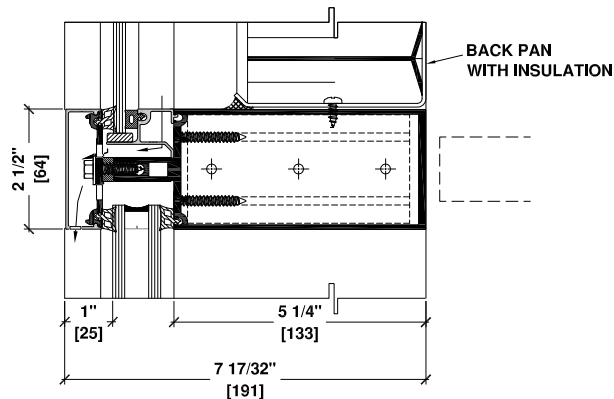
**S175 DOOR 3-7/8 "
BOTTOM RAIL WITH
SSG 5/14" MULLION**



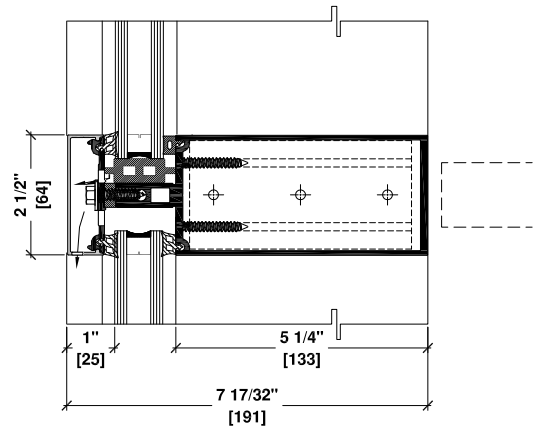
260 SERIES DOOR SASH

9b

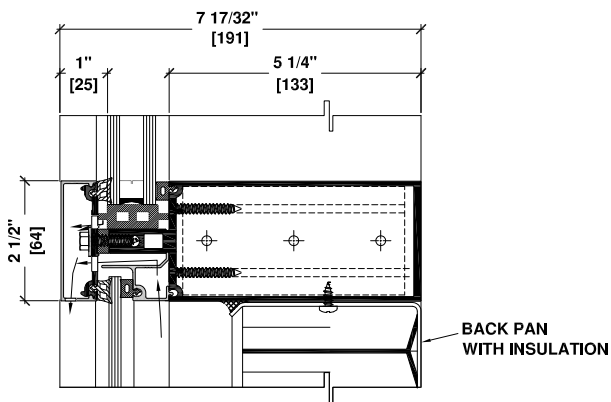
**S260 DOOR 3-7/8 "
BOTTOM RAIL WITH
CAPPED 5/14" MULLION**



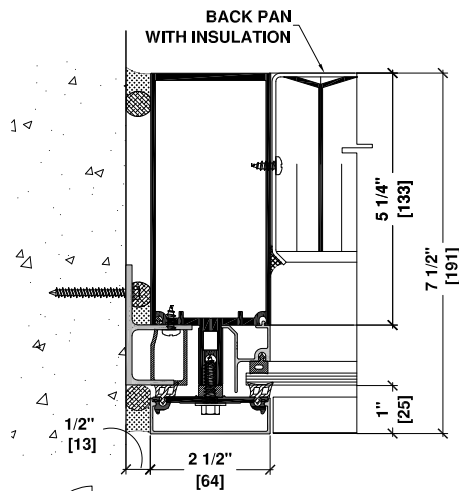
10 5 1/4" HORIZONTAL TUBE
SPANDREL / VISION
CAPPED



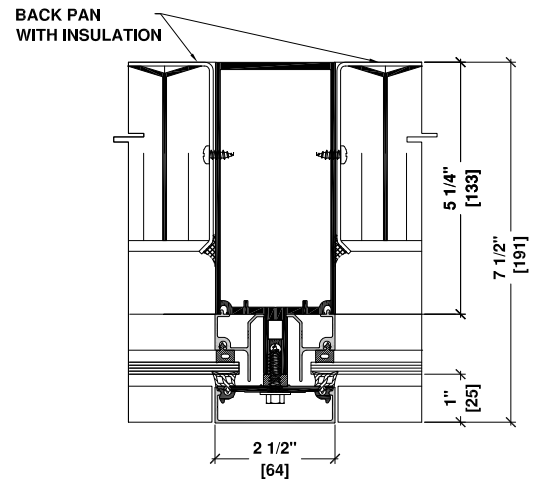
12 5 1/4" HORIZONTAL TUBE
VISION / VISION
CAPPED



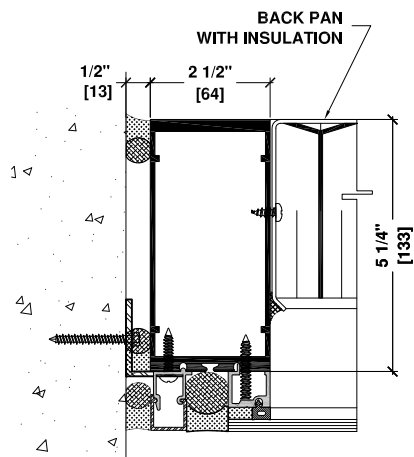
11 5 1/4" HORIZONTAL TUBE
VISION / SPANDREL
CAPPED



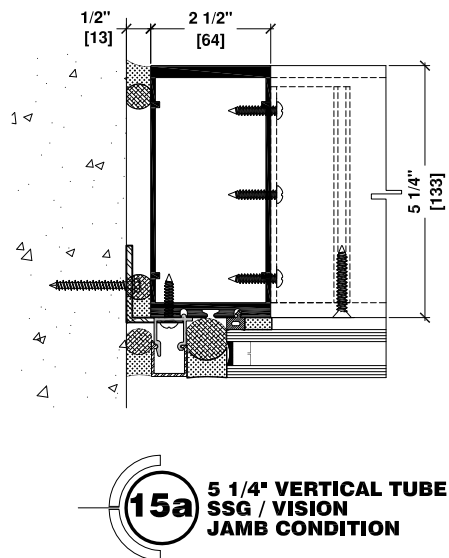
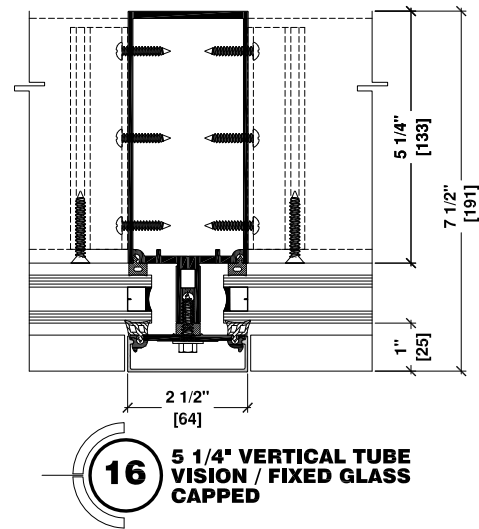
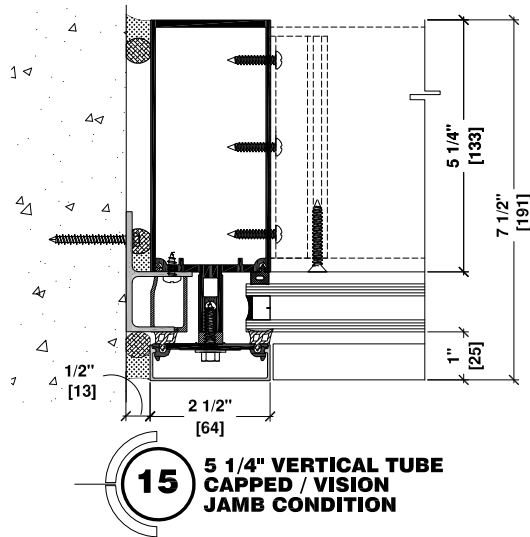
13 5 1/4" VERTICAL TUBE
CAPPED / SPANDREL
JAMB CONDITION

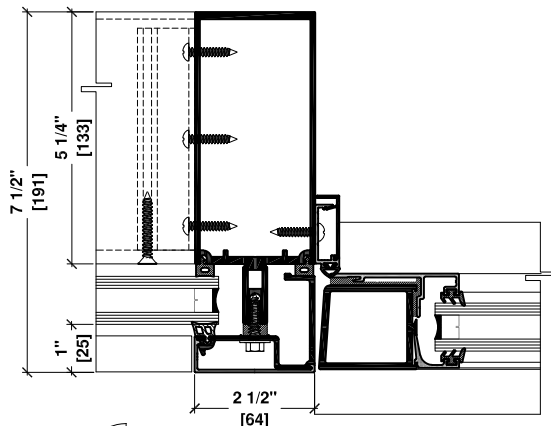


14 5 1/4" VERTICAL TUBE
SPANDREL / SPANDREL
CAPPED

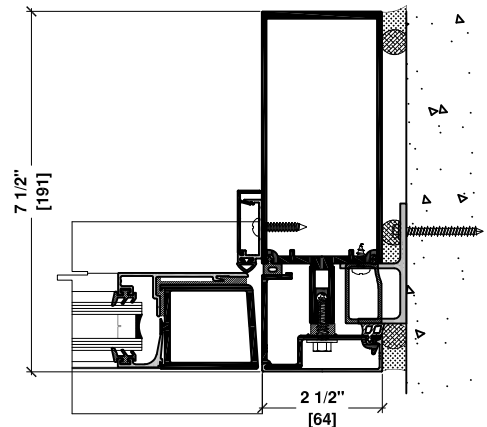


13a 5 1/4" VERTICAL TUBE
SSG / SPANDREL
JAMB CONDITION

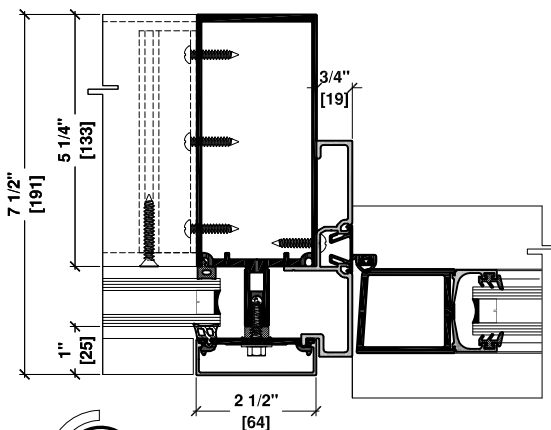




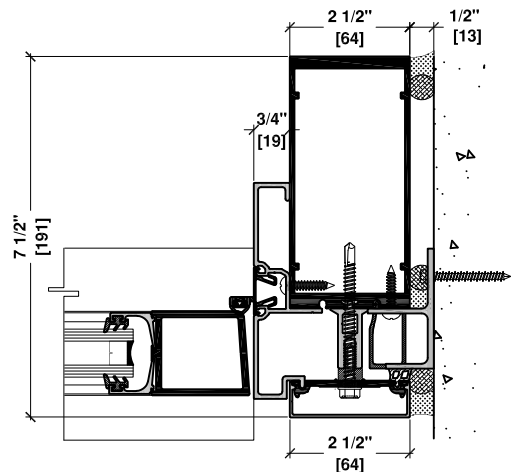
17 5 1/4" VERTICAL TUBE
VISION / SERIES 260 DOOR
CAPPED



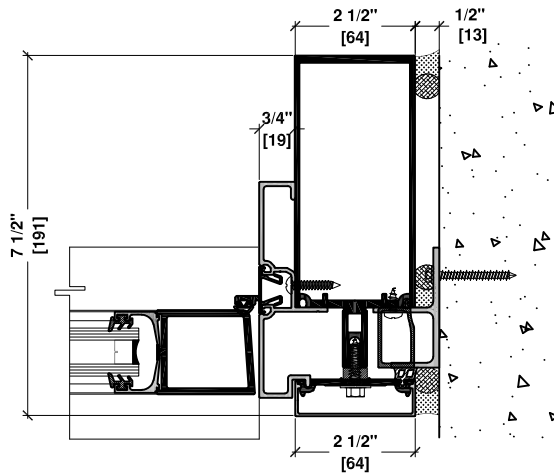
18 5 1/4" VERTICAL TUBE
SERIES 260 DOOR
JAMB CONDITION (CAPPED)



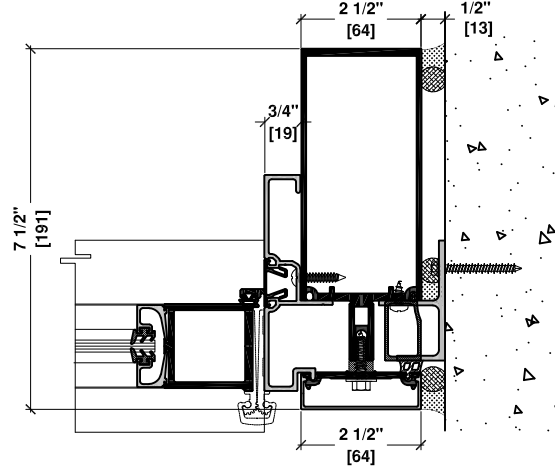
17a 5 1/4" VERTICAL TUBE
VISION / SERIES 175 DOOR
CAPPED



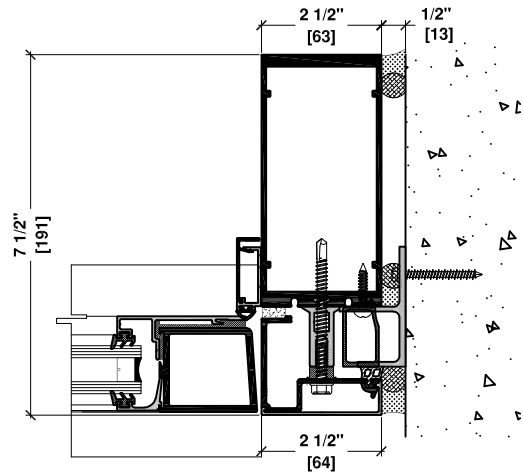
18a 5 1/4" VERTICAL TUBE
SERIES 175 DOOR
JAMB CONDITION (SSG)



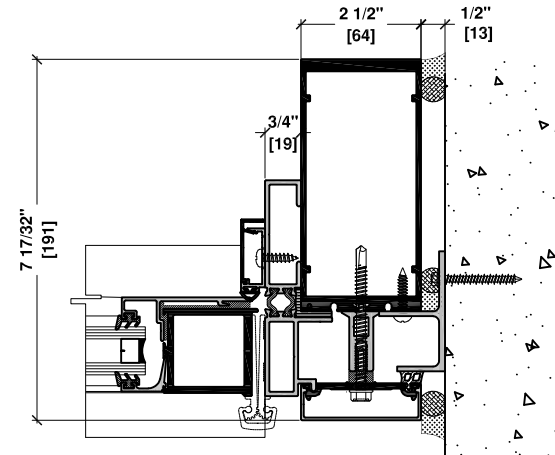
18b 5 1/4" VERTICAL TUBE
SERIES 175 DOOR
JAMB CONDITION (CAPPED)



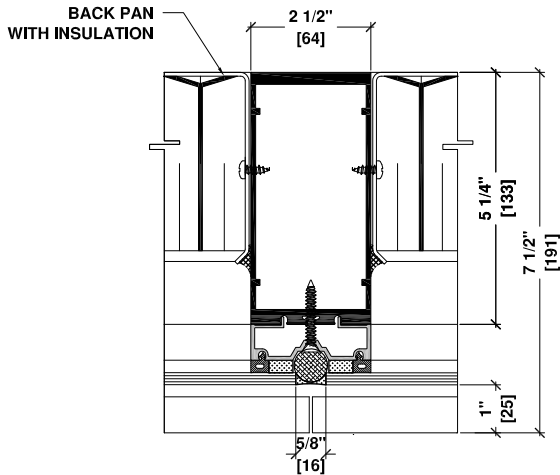
18d 5 1/4" VERTICAL TUBE
SERIES 175 DOOR
JAMB CONDITION (CAPPED)



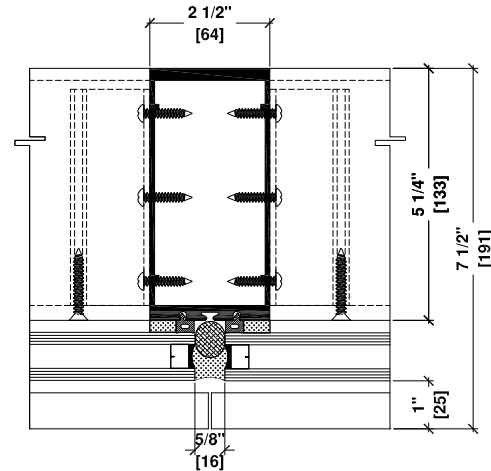
18c 5 1/4" VERTICAL TUBE
SERIES 260 DOOR
JAMB CONDITION (SSG)



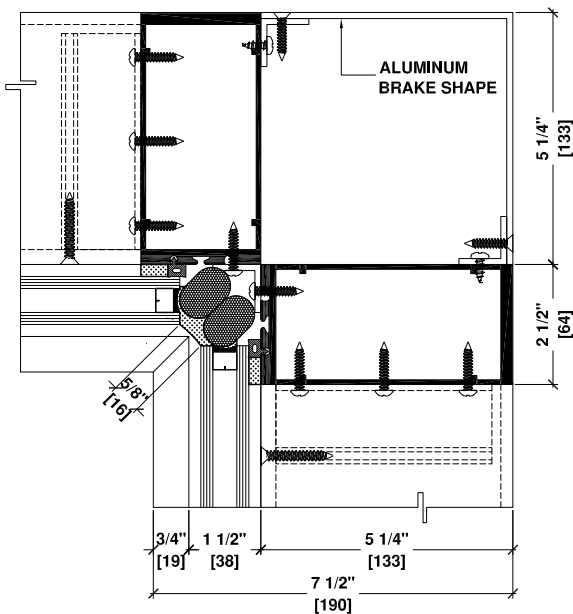
18e 5 1/4" VERTICAL TUBE
SERIES 260 DOOR
JAMB CONDITION (SSG)



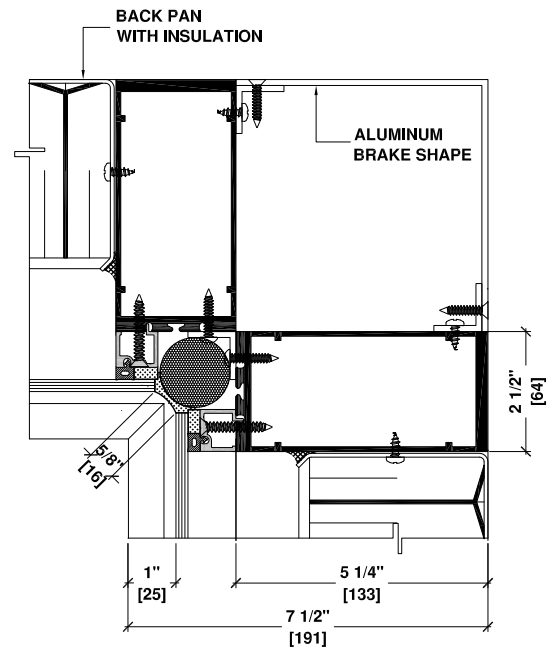
19 5 1/4" VERTICAL TUBE
SPANDREL / SPANDREL
SSG



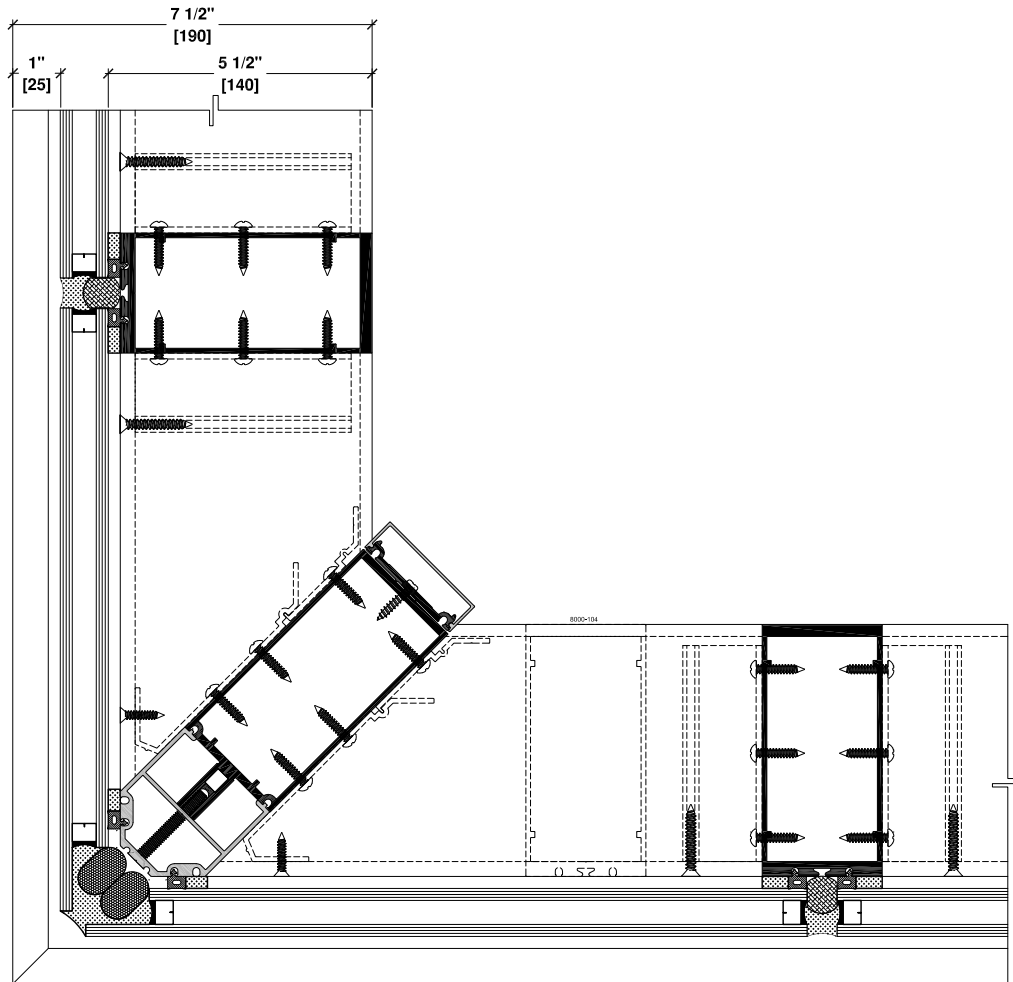
20 5 1/4" VERTICAL TUBE
VISION / VISION
SSG



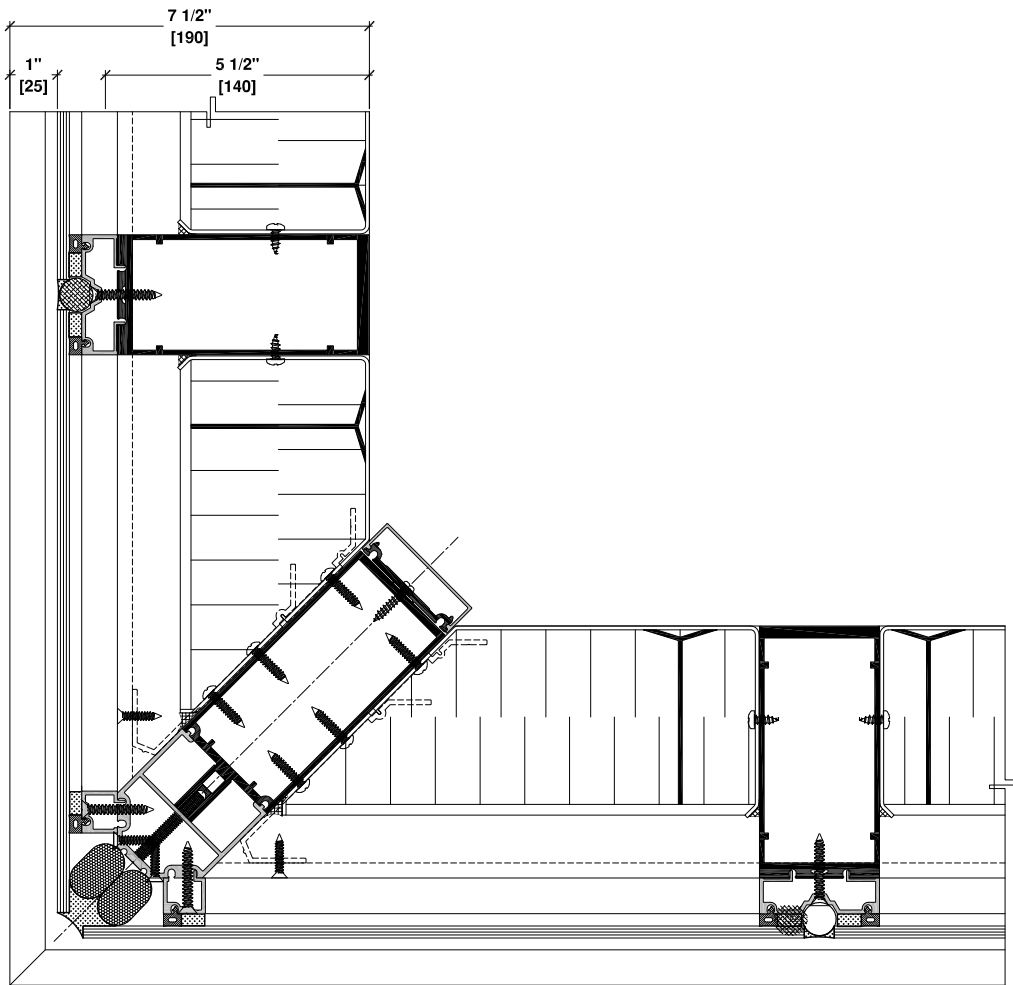
21 5 1/4" VERTICAL TUBE
90° INSIDE CORNER (SSG)
VISION / VISION



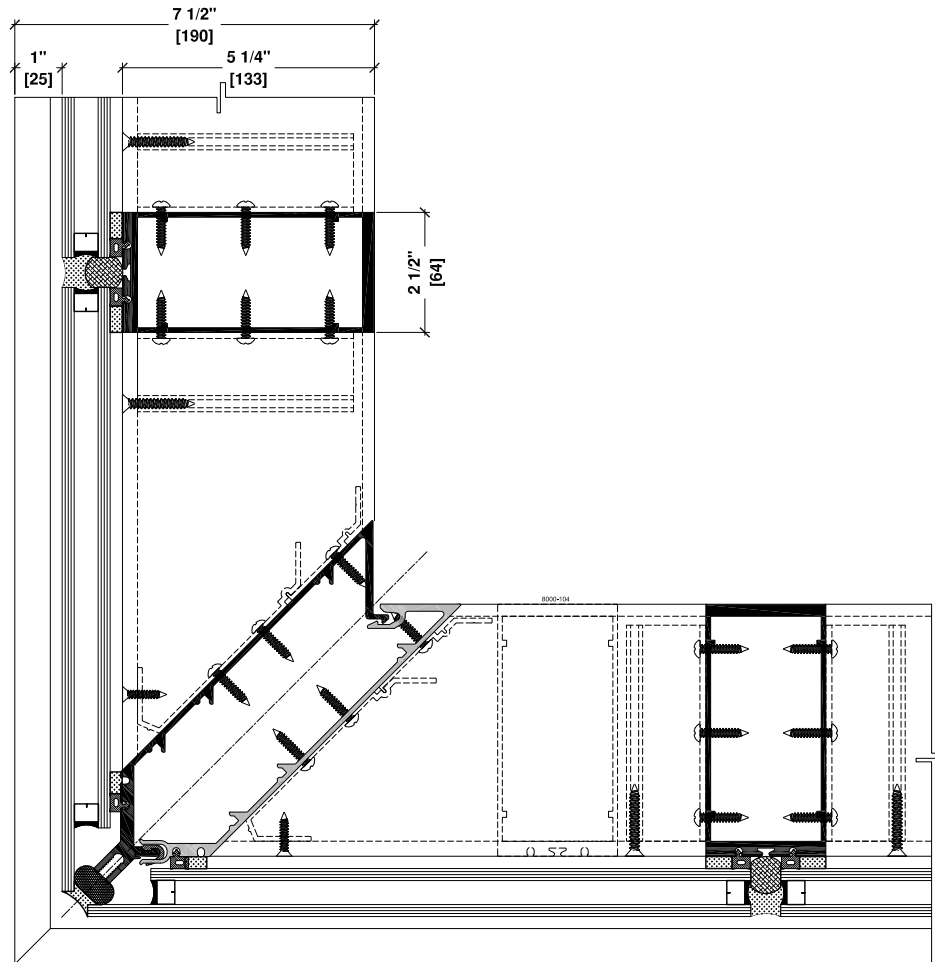
21a 5 1/4" VERTICAL TUBE
90° INSIDE CORNER (SSG)
SPANDREL / SPANDREL



22 S8000 5-1/4" STICK MULLION
90° OUTSIDE CORNER (SSG)
VISION / VISION

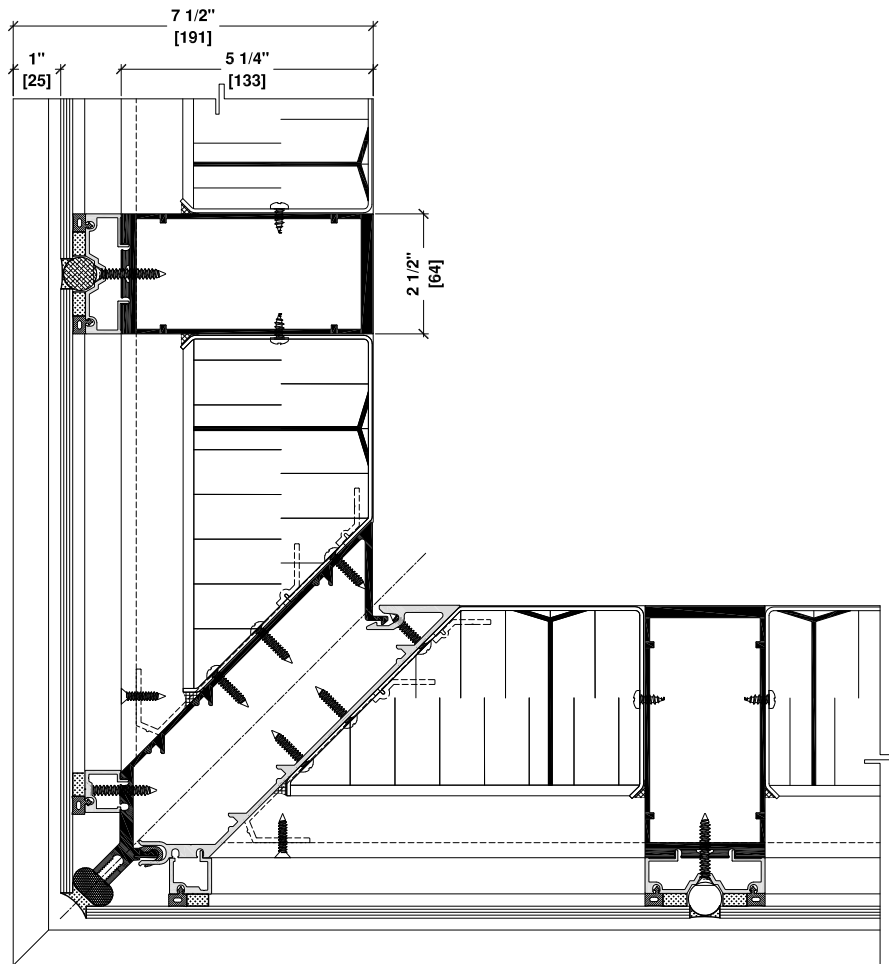


22a S8000 5-1/4" STICK MULLION
90° OUTSIDE CORNER (SSG)
SPANDREL / SPANDREL

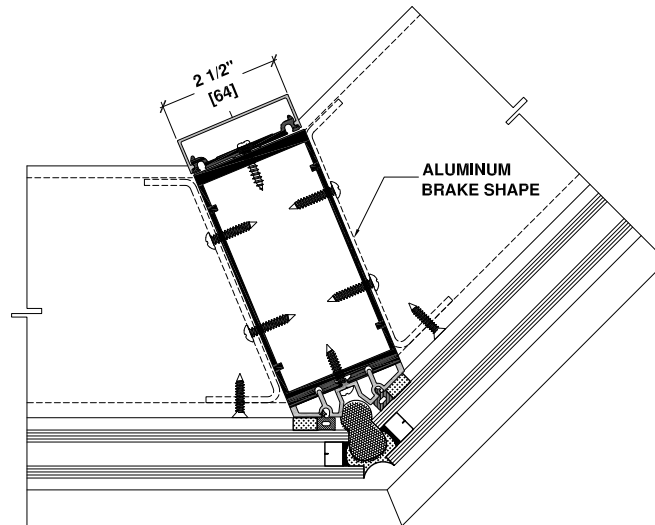


23

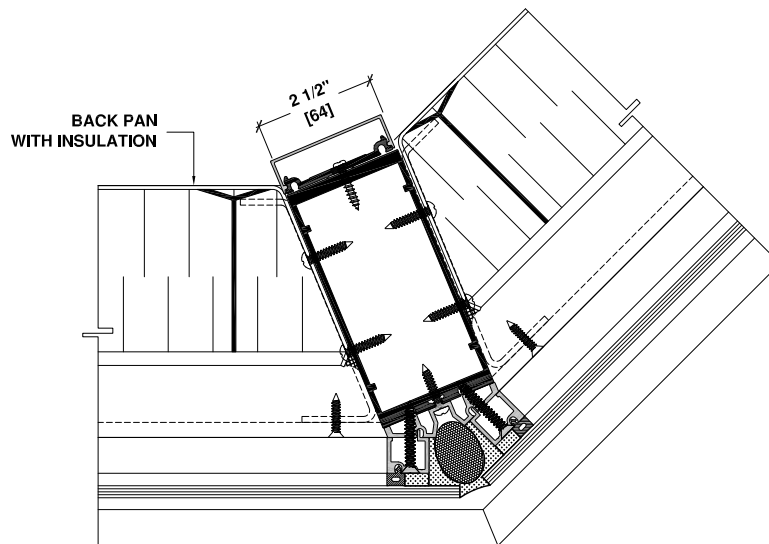
**S8000 5-1/4" SPLIT MULLION
90° OUTSIDE CORNER (SSG)
VISION / VISION**



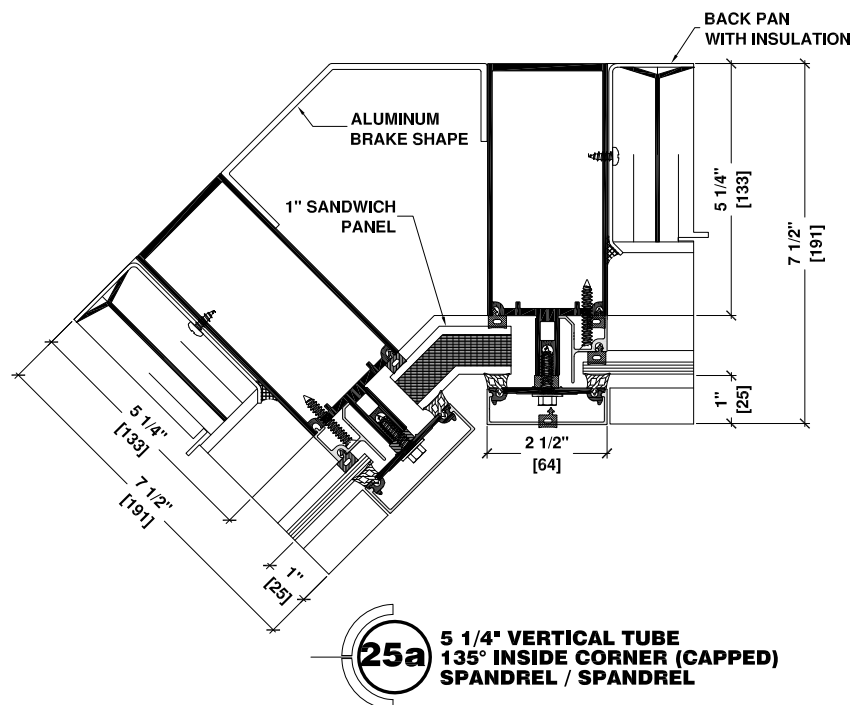
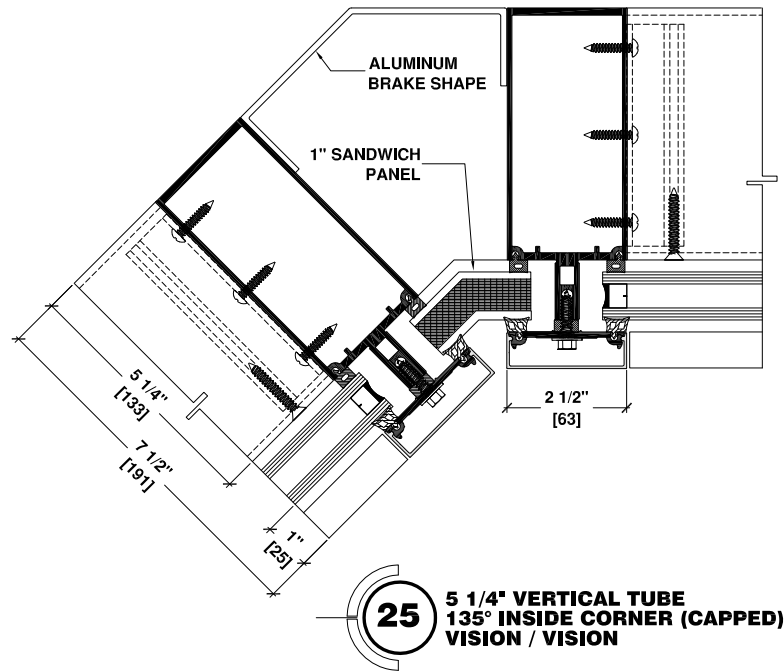
23a S8000 5-1/4" SPLIT MULLION
90° OUTSIDE CORNER (SSG)
SPANDREL / SPANDREL



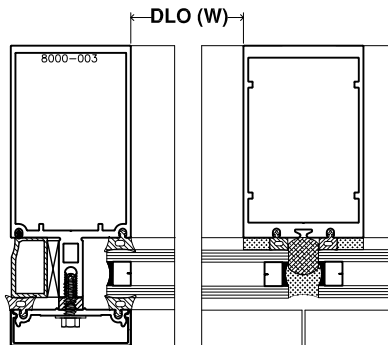
24 5 1/4" VERTICAL TUBE
135° OUTSIDE CORNER (SSG)
VISION / VISION



24a 5 1/4" VERTICAL TUBE
135° OUTSIDE CORNER (SSG)
SPANDREL / SPANDREL



GLASS CALCULATION

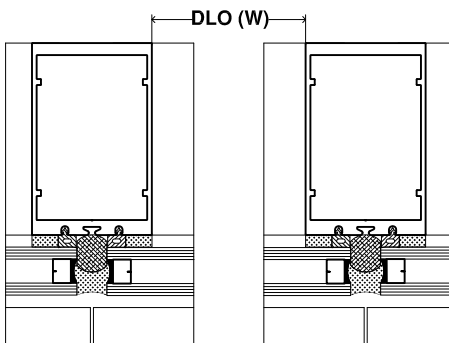


JAMB

- 1/4" (6mm)
- 1/2" (12mm)
- 1" (25.4mm)

$$\text{Glass (W)} = \text{DLO(W)} + 1\frac{7}{16}" (36.51\text{mm})$$

Note: use the appropriate spline

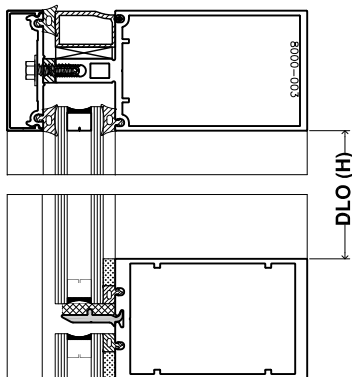


MULLION

- 1/4" (6mm)
- 1/2" (12mm)
- 1" (25.4mm)

$$\text{Glass (W)} = \text{DLO(W)} + 1\frac{7}{8}" (47.62\text{mm})$$

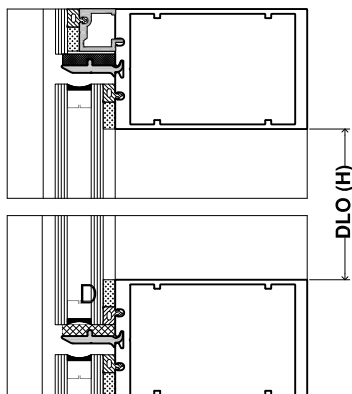
Note: use the appropriate spline



HEADER

- 1/4" (6mm)
- 1/2" (12mm)
- 1" (25.4mm)

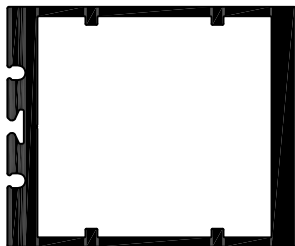
$$\text{Glass (W)} = \text{DLO(W)} + 1\frac{7}{16}" (36.51\text{mm})$$



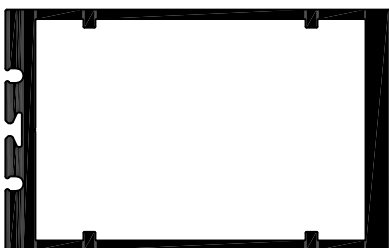
HOR.

- 1/4" (6mm)
- 1/2" (12mm)
- 1" (25.4mm)

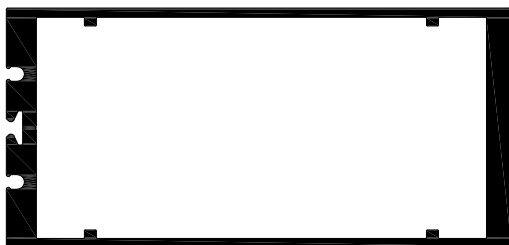
$$\text{Glass (H)} = \text{DLO(H)} + 1\frac{7}{8}" (47.62\text{mm})$$



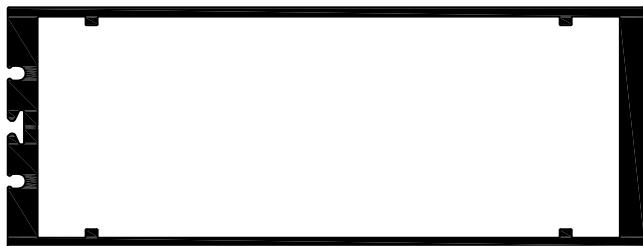
PART #: 8000-102
MULLION 3" (76.2mm)
2 1/2" X 3"
(63.5mm)X(76.2mm)



PART #: 8000-103
MULLION 4" (101.6mm)
2 1/2" X 4"
(63.5mm)X(101.6mm)

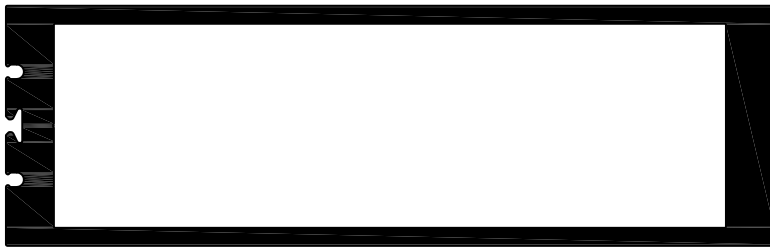


PART #: 8000-104
MULLION 5 1/4" (133.35mm)
2 1/2" X 5 1/4"
(63.5mm)X(133.35mm)

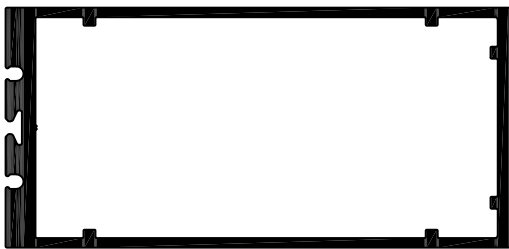


PART #: 8000-105
MULLION 6 5/8" (168.27mm)
2 1/2" X 6 5/8"
(63.5mm)X(168.27mm)

NOTE:
FOR CAPPED ITEMS IN 2 SIDED SSG REFER TO SERIES 8000
CAPPED CATALOGUE.



PART #: 8000-107
MULLION 8" (203.2mm)
2 1/2" X 8"
(63.5mm)X(203.2mm)



PART #: 8000-108
MULLION 5-1/4"
(133.35mm)
2 1/2" X 5-1/4"
(63.5mm)X(133.35mm)



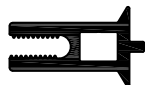
PART #: 8000-008
10" (254mm) MULLION
BODY
2 1/2" X 10"
(63.5mm)X(254mm)



PART# 8000-109
ADAPTOR FOR 10"
MULLION



PART #: 8000-182
GLASS ADAPTOR
1 SIDE 1/2" (12 mm)



PART #: 8000-170
NECK ADAPTOR
(CONVERT SSG TO
CAPTURED) FOR
DOOR & VENT OPENINGS



PART #:8000-183
GLASS SSG ADAPTOR
2 SIDES 1/2" (12 mm)
USE WITH VERTICAL
MULLION



PART #: 8000-180
SSG ADAPTOR
SINGLE GLAZED
1/4" (6mm)



PART #:8000-111
135° SSG ADAPTOR



PART #:8000-181
SSG ADAPTOR
SINGLE GLAZED 1/4"
(6mm) GLASS 2 SIDED
USE WITH VERTICAL
MULLION



PART #:8000-670
SSG WALL END
USE WITH (9906-264)
(SEE DTL.15a)



PART #: 8000-075
DOOR STOP BASE



PART #:8000-640
GLASS HOLDER-S/L



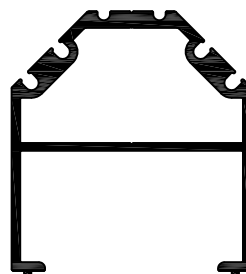
PART #: 8000-076
DOOR STOP COVER



PART #:8000-641
GLASS HOLDER-S/L



PART #:8000-642
GLASS HOLDER AND FOR
HOR. EXPANSION-S/L



PART #: 8000-067
90° CORNER ADAPTOR



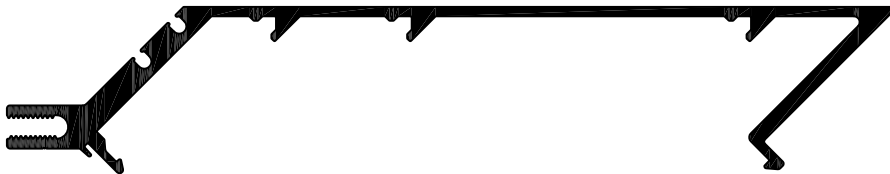
PART #:8000-643
GLASS HOLDER FOR
TRIPLE GLASS-S/L



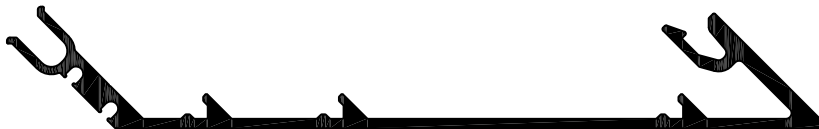
PART# 8000-016
CORNER SPLIT
MALE MULLION
CAPPED FOR 4"
BACK SECTION



PART# 8000-026
CORNER SPLIT
FEMALE MULLION
CAPPED FOR 4"
BACK SECTION



PART# 8000-017
CORNER SPLIT
MALE MULLION
CAPPED FOR 5 1/4"
BACK SECTION



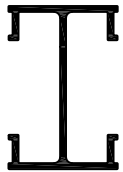
PART# 8000-027
CORNER SPLIT
FEMALE MULLION
CAPPED FOR 5 1/4"
BACK SECTION



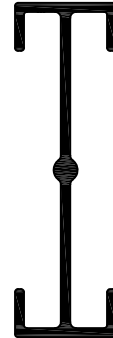
PART# 8000-018
CORNER SPLIT
MALE MULLION
CAPPED FOR 6 5/8"
BACK SECTION



PART# 8000-028
CORNER SPLIT
FEMALE MULLION
CAPPED FOR 6 5/8"
BACK SECTION



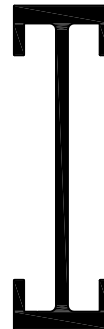
PART #:8000-613-10
ALUMINUM REINFORCING
FOR (8000-103) 24'-2" LONG



PART #:8000-607-10
ALUMINUM REINFORCING
FOR (8000-007) 24'-2" LONG



PART #:8000-614-10
ALUMINUM REINFORCING
FOR (8000-104) 24'-2" LONG



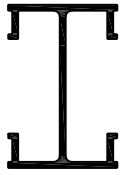
PART #:8000-617-10
ALUMINUM REINFORCING
FOR (8000-007 & 8000-008)
24'-2" LONG



PART #:8000-615-10
ALUMINUM REINFORCING
FOR (8000-105) 24'-2" LONG

Note:

Typical mullion reinforcing should be connected through the curtain wall neck using two rows of #12 screws spaced at 12" O.C. Additional screws should be added on the sides at all horizontal mullion locations. Note that the above reinforcing connection is only to be used as a guideline. Each project will need to be reviewed by the project engineer and the reinforcing connection designed accordingly.



PART #:8000-963-10
SPLICE PLATE FOR
(8000-103) @ 24" LONG



PART #:8000-957-10
SPLICE PLATE FOR
(8000-007) @ 24" LONG



PART #:8000-964-10
SPLICE PLATE FOR
(8000-104) @ 24" LONG



PART #:8000-965-10
SPLICE PLATE FOR
(8000-105) @ 24" LONG

Note:

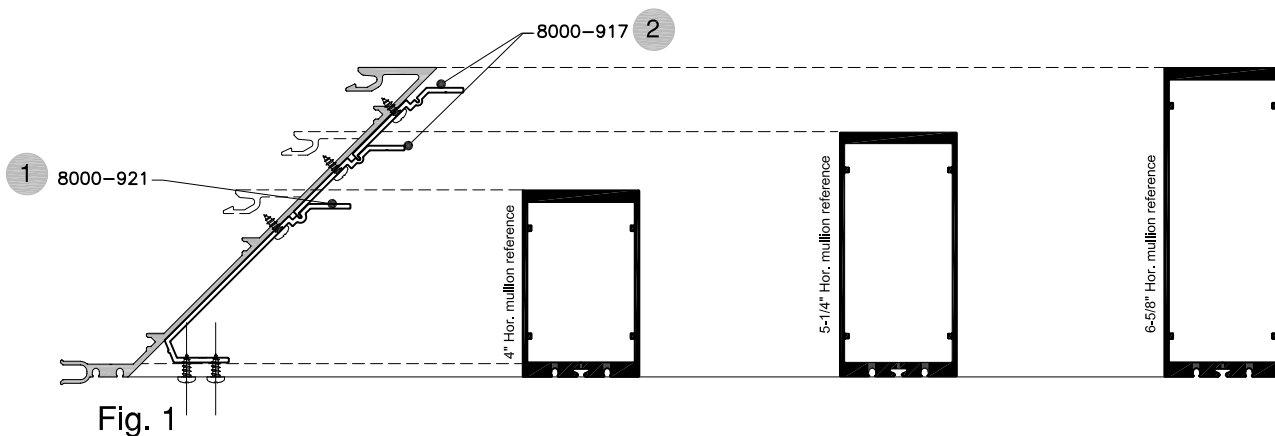
Typical mullion splicing should be approximately 24" long and be connected through the sides of the curtain wall using four rows of #12 screws spaced at 4" O.C. Note that the above splice connection is only to be used as a guideline. It is recommended that, whenever possible, splices are located at the point of least stress. Stresses at the splice location can vary substantially and must be reviewed by the project engineer and designed accordingly.

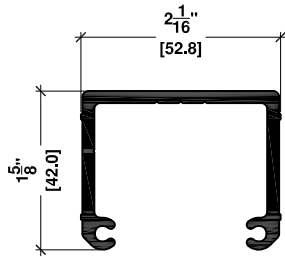


PART #: 8000-917
BRACKET (2) FOR 90° CORNER
2-1/6" (52.83mm)
USE IN COMBINATION WITH 8000-918 TO
CONNECT HORIZONTAL MULLION TO 90°
CORNER.
1 PIECE FOR 5 1/4" MULLION.
2 PIECES FOR 6 5/8" MULLION.
SEE Fig.1 BELOW.



PART #: 8000-921
BRACKET(1) 90° CORNER
2-1/16" (52.83mm)
USE TO CONNECT HORIZONTAL
MULLION TO 90° CORNER.
1 PIECE FOR EACH OF 4", 5 1/4" & 6 5/8"
MULLION. SEE Fig.1 BELOW.





**SERIES 8000
SHEAR BLOCK**

PART #: 8000-912 FOR 3" MULLION

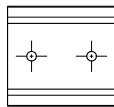
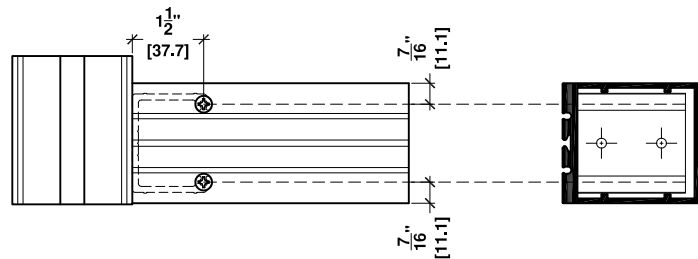
PART #: 8000-913 FOR 4" MULLION

PART #: 8000-914 FOR 5 1/4" MULLION

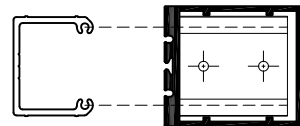
PART #: 8000-915 FOR 6 5/8" MULLION

PART #: 8000-907 FOR 8" MULLION

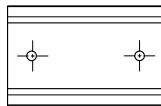
SHEAR BLOCK LOCATION



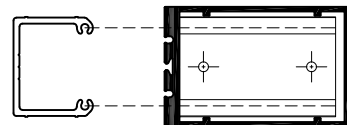
8000-912



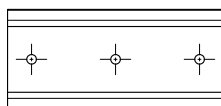
8000-102



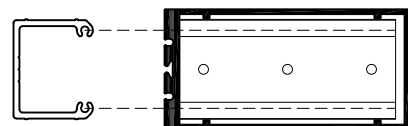
8000-913



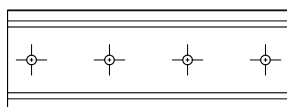
8000-103



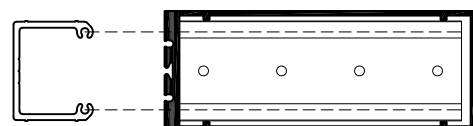
8000-914



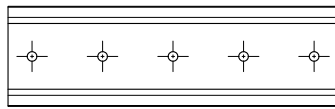
8000-104



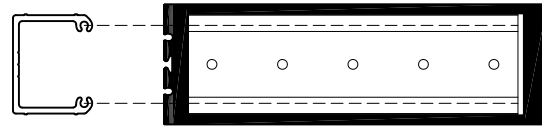
8000-915



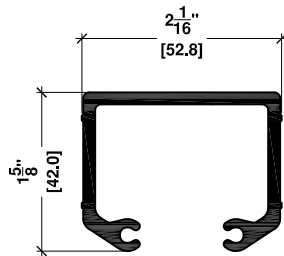
8000-105



8000-907

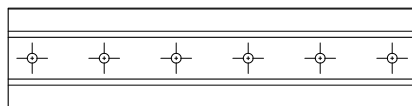
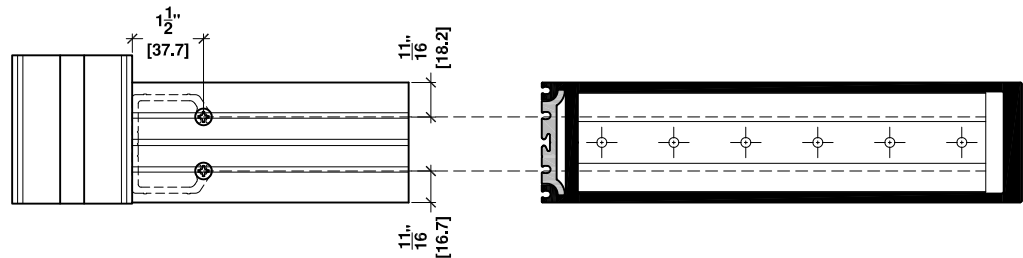


8000-107

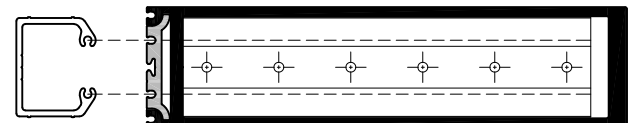


PART #: 8000-908 FOR 10" MULLION

SHEAR BLOCK LOCATION



8000-908



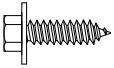
8000-008

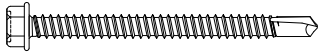


PART #:8000-920
S/U HORIZONTAL
GLASS HOLDER
@ 4"



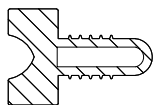
PART #:8000-922
S/U TRIPLE GLASS
HOLDER @ 4"

	DESCRIPTION	APPLICATION	QTY/JOINT
	PART #: 9902-503 # 10 X 1" PH SCREW	FASTEN SHEAR BLOCK TO VERTICAL	2-3
	PART #: 9902-514 # 10-1 1/2" FH SCREW	FASTEN HORIZONTAL SHEAR BLOCK(FRONT)	2@ EACH END
	PART #: 9902-514 # 10-1 1/2" FH SCREW	FASTEN SINGLE GLAZED ADAPTOR TO MULLION (PART # 8000-181)	@ 6" C/C
	PART #: 9902-303 #8 X 1" P.H SCREW	FASTENED MULLION & SSG ADAPTOR AT135° OUTSIDE CORNER	@ 6" C/C
	PART #: 9902-009 #1/4" -20 x 1" HEX WASHER TYPE CA MACHINE SCREW	PRESSURE PLATE FASTENED TO MULLION	@ 6" C/C
	PART #: 9902-008 SCREW 1/4-20 x 2" ZINC	FASTEN CORNER ADAPTOR TO MULLION AT 90 DEGREE CORNER.	@ 6" C/C



PART #: 9902-020
14 x 3" HEX SCREW

FASTEN SSG NECK @ 6" C/C
ADAPTOR TO SGG MULLION



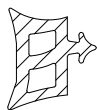
PART #: 9903-005
1/4" THERMAL BREAK

THERMAL BARRIER



PART #: 9903-103
SSG 1/4" GLAZING
SPLINE

APPLY TO MULLION
AND SSG ADAPTOR



PART #: 9903-105
1/4" GLAZING
SPLINE

APPLY TO MULLION
AND DRY GLAZED
PRESSURE PLATE



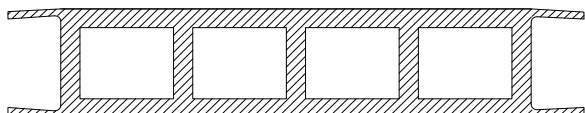
PART #: 9903-206
SSG SETTING
BLOCK

2 PER DLO



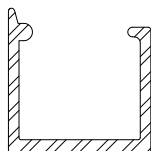
PART #: 9903-208
SSG SETTING BLOCK
FOR TRIPLE GLASS

2 PER DLO



PART #: 9903-211
SSG SPACER

USE FOR 2 SIDED
VERTICAL SSG



PART #: 9906-264
END WALL COVER

USE FOR WALL JAMB



PART #: 9903-213
AIR SEAL GASKET

AIR SEAL GASKET ON
90° CORNER SPLIT
MULLION



PART #: 9903-143
BULB-SEAL FOR
DOOR STOP

APPLY TO THE DOOR
STOP

SYSTEM GLAZING SPLINE AND WEATHERING-SSG

AWSF TEST RESULTS

TEST	RESULTS
Air Leakage Rate Test Pressure 300 Pa (6.2 psf)	0.05 L/sec/m ² (0.01 scfm/ft ²)
Water Pressure Achieved	960 Pa (20.0 psf)
Maximum Structural Pressure Achieved	Test Pressure of 1800 Pa (37.5 psf) Positive load deflection - 0.76 mm (0.030 in) Negative load deflection - 1.02 mm (0.040 in)

NFRC TEST RESULTS

ITEM	VALUE
Standardized U-Factor	0.34 Btu/hr-ft ² -F

WIND LOAD CHART ASSUMPTIONS

1. SIMPLY SUPPORTED ENDS
2. UNIFORM WIND LOADING IN PSF
3. 100% WIND LOAD FOR STRENGTH
4. 75% WIND LOAD FOR DEFLECTION
5. ALUMINUM ALLOY 6063-T6
6. I= Moment of Inertia
7. S= Section Modulus

DEAD LOAD CHARTS

1. SIMPLY SUPPORTED ENDS
2. UNIFORM WIND IN LBS/FOOT
3. DEAD LOAD APPLIED AT 1/4" POINTS
4. MAXIMUM ALLOWABLE DEFLECTION OF 0.118"
5. CALCULATE GLASS HEIGHT FOR THE GIVEN SPAN FROM THE CHART

Example : For span of 5'-0" using 2-1/2" x 4" Mullion

- a. Find the dead load chart for the horizontal mullion you are using for your wall.
- b. Locate span length point on the dead load chart.
- c. Draw vertical line from this point to meet the dead load curve
- d. Draw horizontal line from the meeting point to weight eg. (125lb/ft)axis
- e. This will determine the weight/ft this span can take
- f. Divide the weight (125lb/ft) by the selected glass weight, provided by the glass supplier eg. (6lb/ft), $(125\text{lb/ft} \div 6\text{lb/ft})$
- g. The result will be (20'-10")the max. Height you can use for this span

THERMAL CHARTS

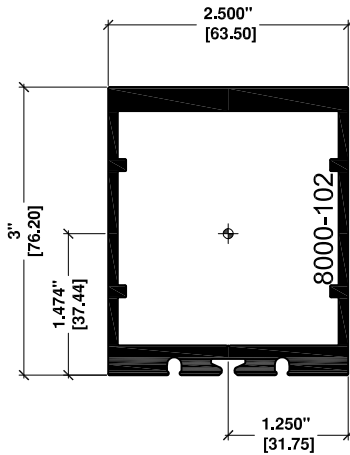
(Available upon request)

Note:

1. The Building and Safety Codes govern the design and the glazing type for Building, Curtain Walls, Windows and Entrances.
Commdoor Aluminum has no control and no responsibility for hardware, Glass, Glazing material, Anchoring and Vapour Barrier.
2. The following Charts are for information purpose only. Final structural design to be determined by Structural Engineer

8000-102 MULLION

3" x 2 1/2" (76.20mm x 63.5mm)



8000-102

$$A = 1.848 \text{ IN}^2$$

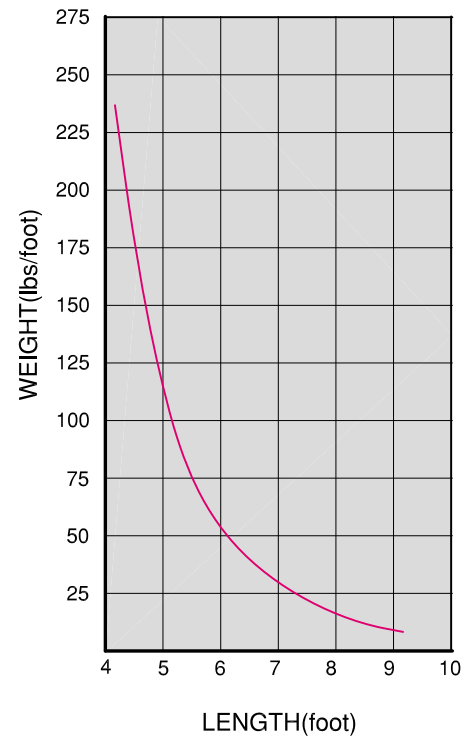
$$I_x = 2.685 \text{ IN}^4$$

$$S_x = 1.759 \text{ IN}^3$$

- A = 20 psf (0.95 KPa)
- B = 25 psf (1.2 KPa)
- C = 30 psf (1.4 KPa)
- D = 35 psf (1.7 KPa)
- E = 40 psf (1.9 KPa)
- F = 45 psf (2.1 KPa)
- G = 50 psf (2.4 KPa)

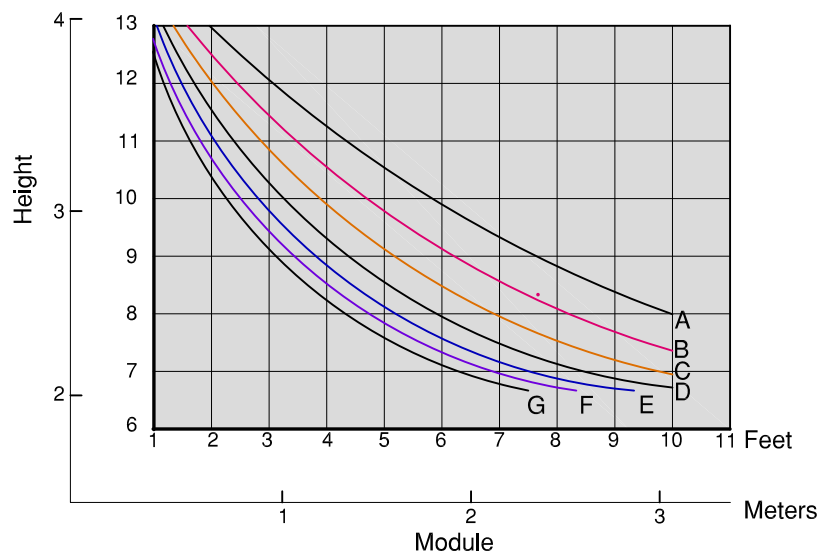
" For information purposes only "
Not for design.

DEAD LOAD



Meters Feet

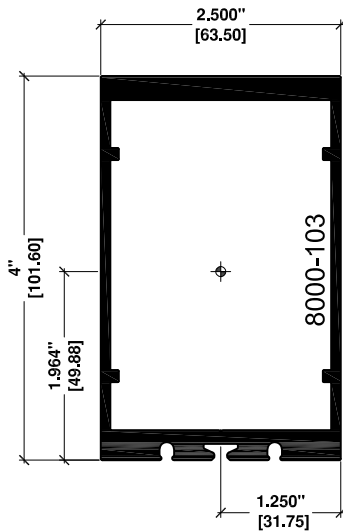
WIND LOAD



8000-103 MULLION

4" x 2 1/2" (101.45mm x 63.5mm)

DEAD LOAD



8000-103

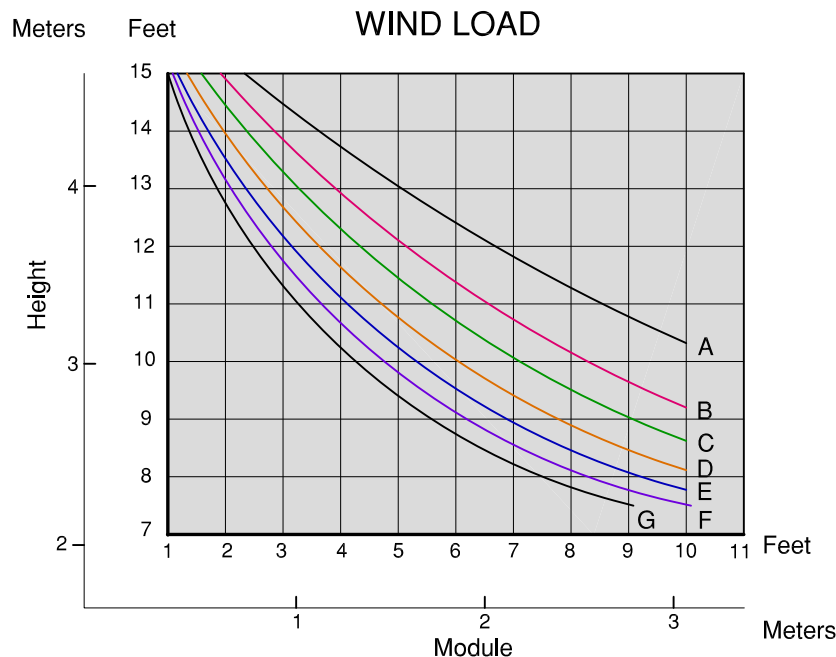
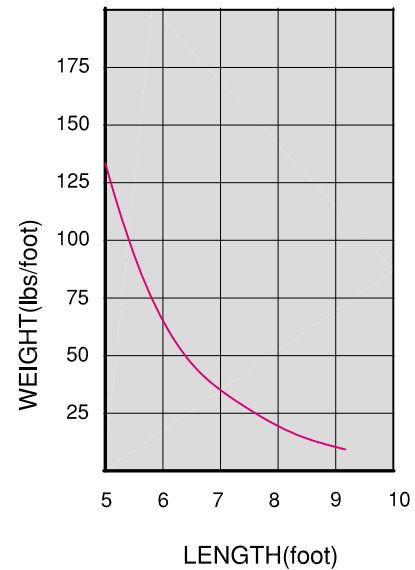
$$A = 2.048 \text{ IN}^2$$

$$I_x = 5.271 \text{ IN}^4$$

$$S_x = 2.588 \text{ IN}^3$$

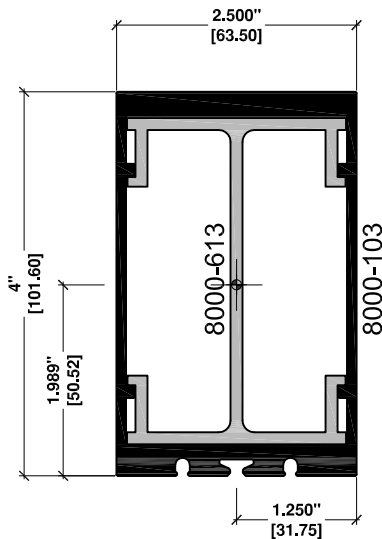
- A = 20 psf (0.95 KPa)
- B = 25 psf (1.2 KPa)
- C = 30 psf (1.4 KPa)
- D = 35 psf (1.7 KPa)
- E = 40 psf (1.9 KPa)
- F = 45 psf (2.1 KPa)
- G = 50 psf (2.4 KPa)

" For information purposes only "
Not for design.



8000-103 REINFORCED MULLION

4" x 2 1/2" (101.45mm x 63.5mm)



8000-103

$$A = 2.048 \text{ IN}^2$$

$$I_x = 5.271 \text{ IN}^4$$

$$S_x = 2.588 \text{ IN}^3$$

8000-613

$$A = 1.305 \text{ IN}^2$$

$$I_x = 2.381 \text{ IN}^4$$

$$S_x = 1.401 \text{ IN}^3$$

Total Properties

$$A = 3.353 \text{ IN}^2$$

$$I_x = 7.652 \text{ IN}^4$$

$$S_x = 3.989 \text{ IN}^3$$

$$A = 20 \text{ psf (0.95 KPa)}$$

$$B = 25 \text{ psf (1.2 KPa)}$$

$$C = 30 \text{ psf (1.4 KPa)}$$

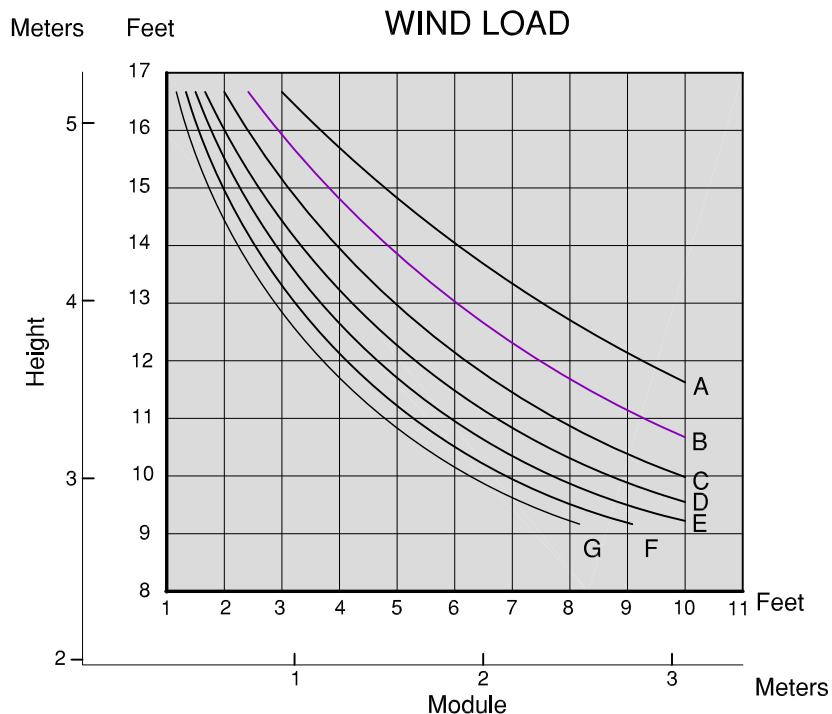
$$D = 35 \text{ psf (1.7 KPa)}$$

$$E = 40 \text{ psf (1.9 KPa)}$$

$$F = 45 \text{ psf (2.1 KPa)}$$

$$G = 50 \text{ psf (2.4 KPa)}$$

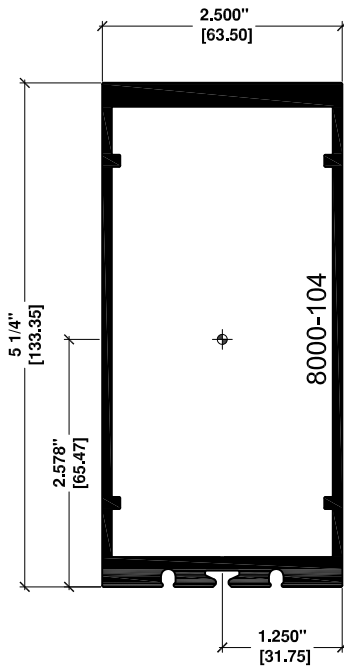
" For information purposes only "
Not for design.



8000-104 MULLION

5 1/4" x 2 1/2" (133.35mm x 63.5mm)

DEAD LOAD



8000-104

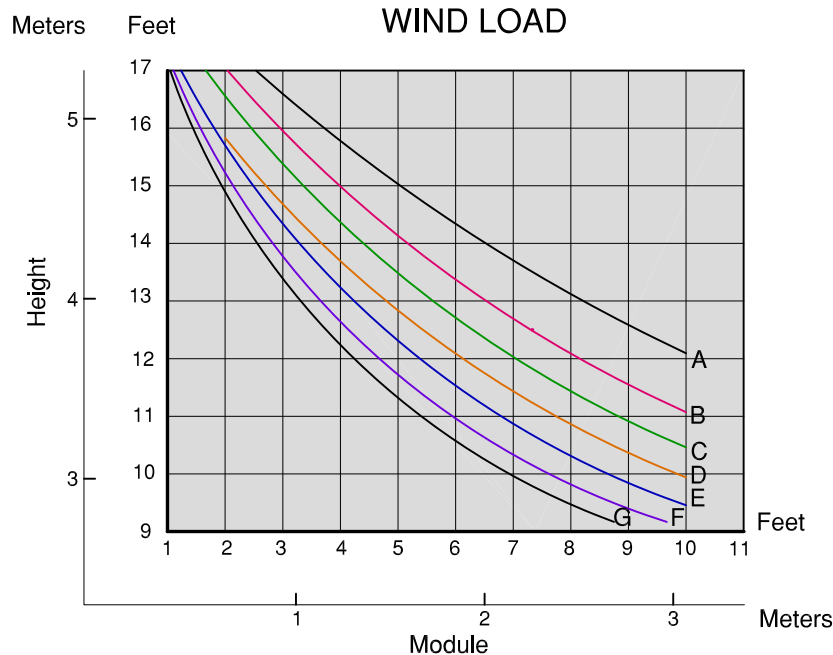
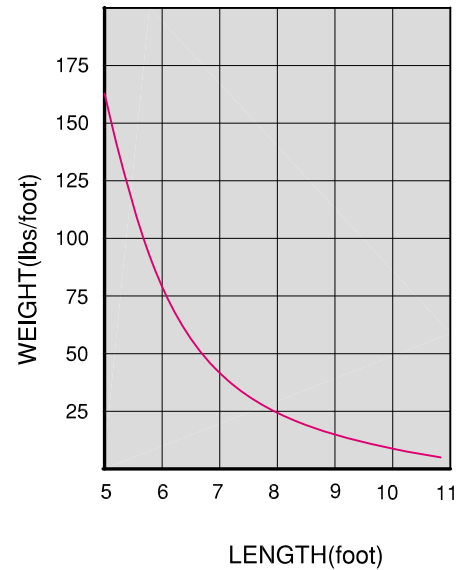
$$A = 2.280 \text{ IN}^2$$

$$I_x = 9.921 \text{ IN}^4$$

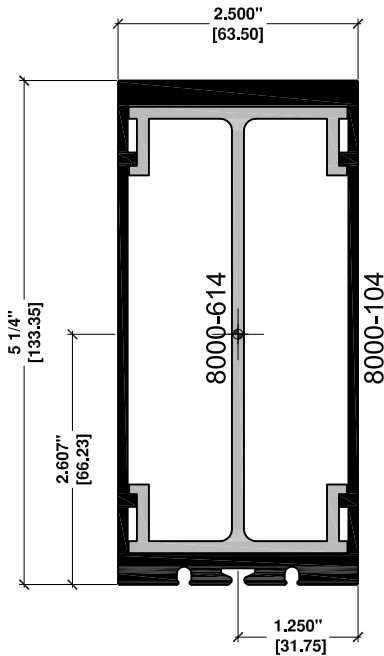
$$S_x = 3.712 \text{ IN}^3$$

- A = 20 psf (0.95 KPa)
- B = 25 psf (1.2 KPa)
- C = 30 psf (1.4 KPa)
- D = 35 psf (1.7 KPa)
- E = 40 psf (1.9 KPa)
- F = 45 psf (2.1 KPa)
- G = 50 psf (2.4 KPa)

" For information purposes only "
Not for design.



8000-104 REINFORCED MULLION
5 1/4" x 2 1/2" (133.35mm x 63.5mm)



8000-104

$$A = 2.280 \text{ IN}^2$$

$$I_x = 9.921 \text{ IN}^4$$

$$S_x = 3.712 \text{ IN}^3$$

8000-614

$$A = 1.461 \text{ IN}^2$$

$$I_x = 4.834 \text{ IN}^4$$

$$S_x = 2.080 \text{ IN}^3$$

Total Properties

$$A = 3.741 \text{ IN}^2$$

$$I_x = 14.755 \text{ IN}^4$$

$$S_x = 5.792 \text{ IN}^3$$

$$A = 20 \text{ psf (0.95 KPa)}$$

$$B = 25 \text{ psf (1.2 KPa)}$$

$$C = 30 \text{ psf (1.4 KPa)}$$

$$D = 35 \text{ psf (1.7 KPa)}$$

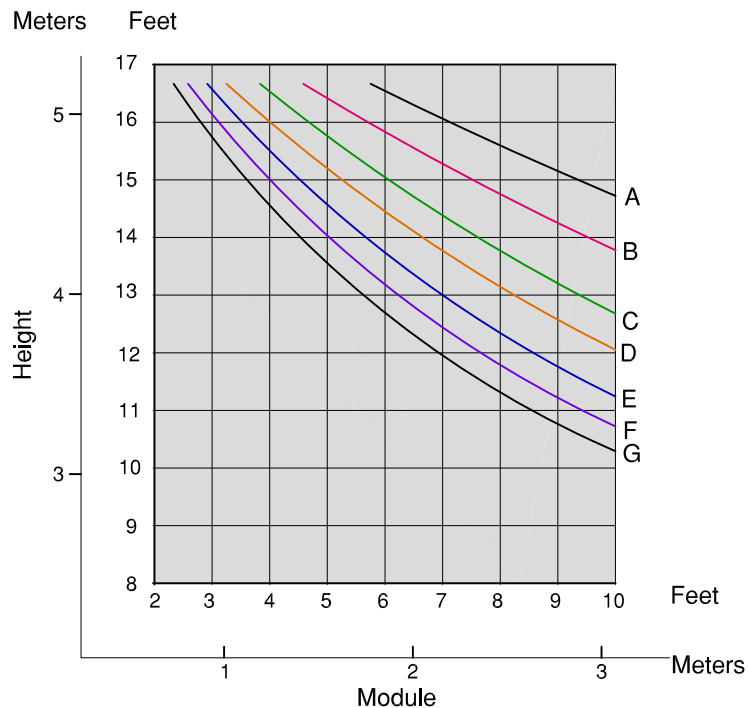
$$E = 40 \text{ psf (1.9 KPa)}$$

$$F = 45 \text{ psf (2.1 KPa)}$$

$$G = 50 \text{ psf (2.4 KPa)}$$

" For information purposes only "
Not for design.

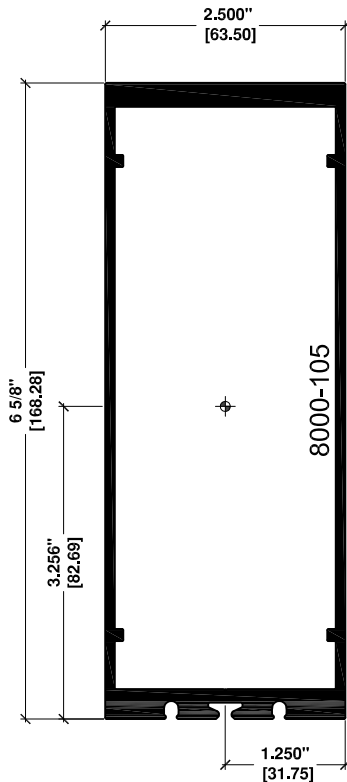
WIND LOAD



8000-105 MULLION

6 5/8" x 2 1/2" (168.275mm x 63.5mm)

DEAD LOAD



8000-105

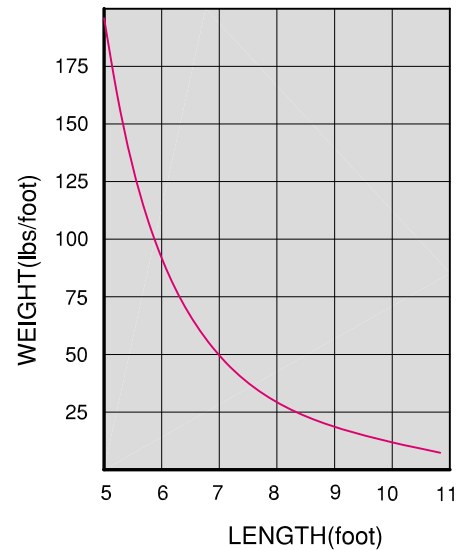
$$A = 2.573 \text{ IN}^2$$

$$I_x = 17.189 \text{ IN}^4$$

$$S_x = 5.102 \text{ IN}^3$$

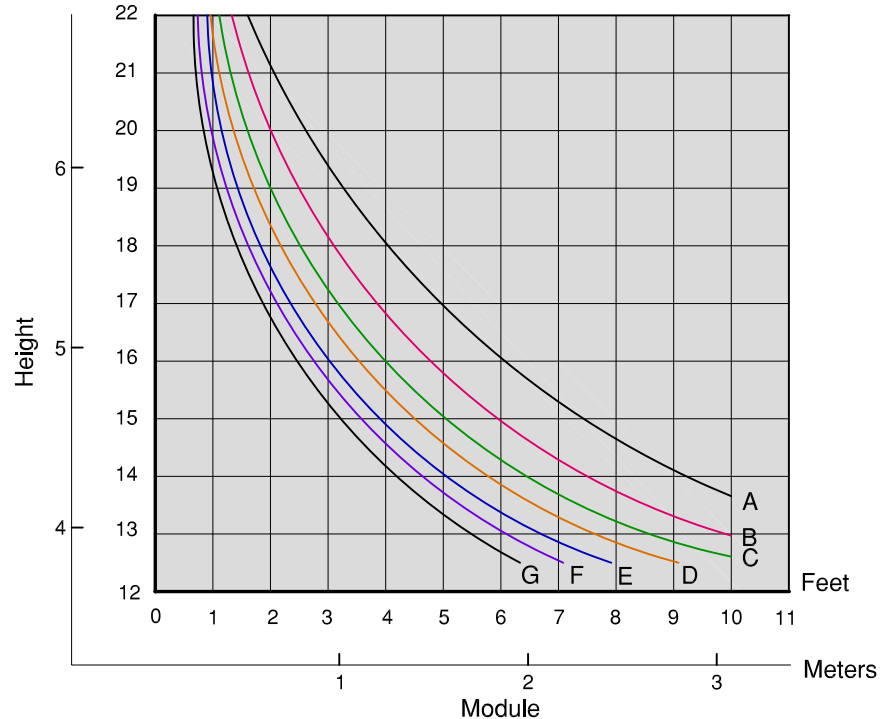
- A = 20 psf (0.95 KPa)
- B = 25 psf (1.2 KPa)
- C = 30 psf (1.4 KPa)
- D = 35 psf (1.7 KPa)
- E = 40 psf (1.9 KPa)
- F = 45 psf (2.1 KPa)
- G = 50 psf (2.4 KPa)

" For information purposes only "
Not for design.



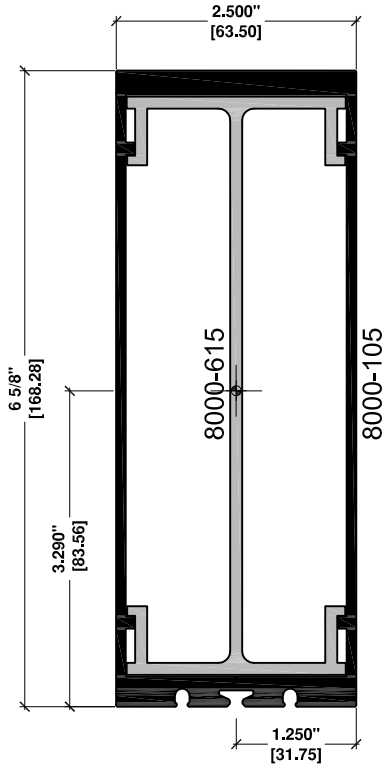
Meters Feet

WIND LOAD



8000-105 REINFORCED MULLION

6 5/8" x 2 1/2" (168.275mm x 63.5mm)



8000-105

$$A = 2.573 \text{ IN}^2$$

$$I_x = 17.189 \text{ IN}^4$$

$$S_x = 5.102 \text{ IN}^3$$

8000-615

$$A = 1633 \text{ IN}^2$$

$$I_x = 9.146 \text{ IN}^4$$

$$S_x = 3.037 \text{ IN}^3$$

Total Properties

$$A = 4.206 \text{ IN}^2$$

$$I_x = 26.335 \text{ IN}^4$$

$$S_x = 8.139 \text{ IN}^3$$

$$A = 20 \text{ psf (0.95 KPa)}$$

$$B = 25 \text{ psf (1.2 KPa)}$$

$$C = 30 \text{ psf (1.4 KPa)}$$

$$D = 35 \text{ psf (1.7 KPa)}$$

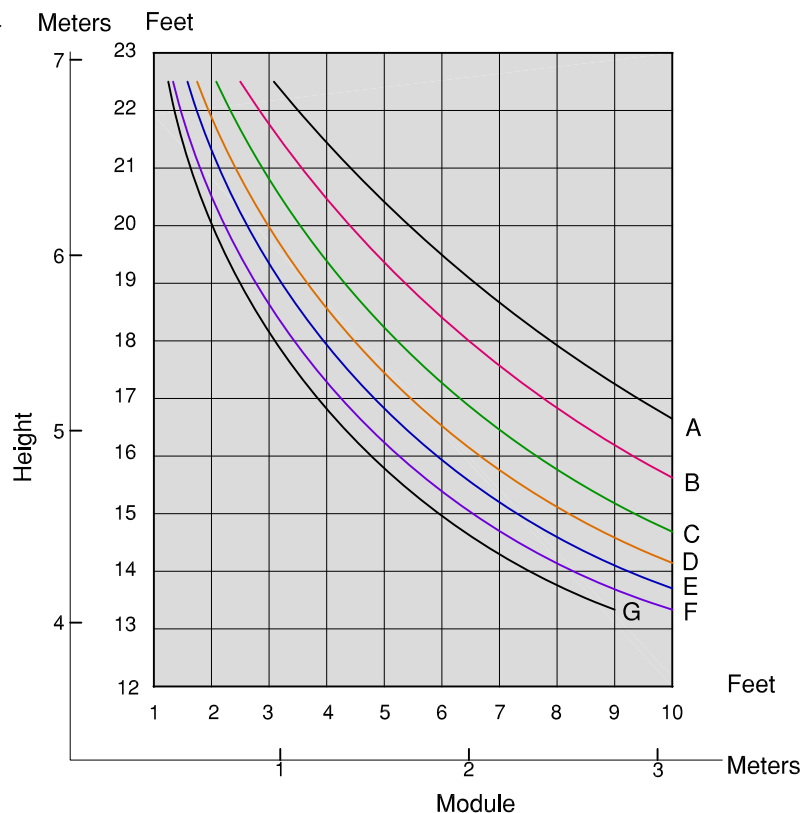
$$E = 40 \text{ psf (1.9 KPa)}$$

$$F = 45 \text{ psf (2.1 KPa)}$$

$$G = 50 \text{ psf (2.4 KPa)}$$

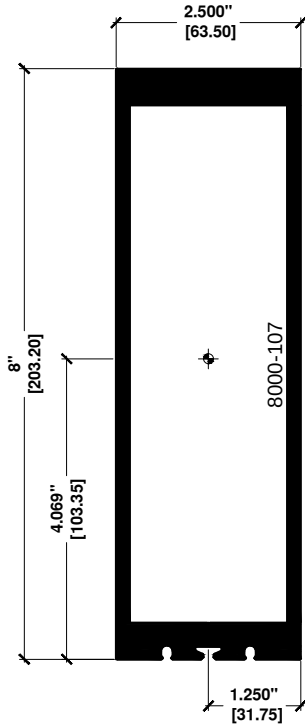
" For information purposes only "
Not for design.

WIND LOAD



8000-107 MULLION

8" x 2 1/2" (203.2mm x 63.5mm)



8000-107

$$A = 5.043 \text{ IN}^2$$

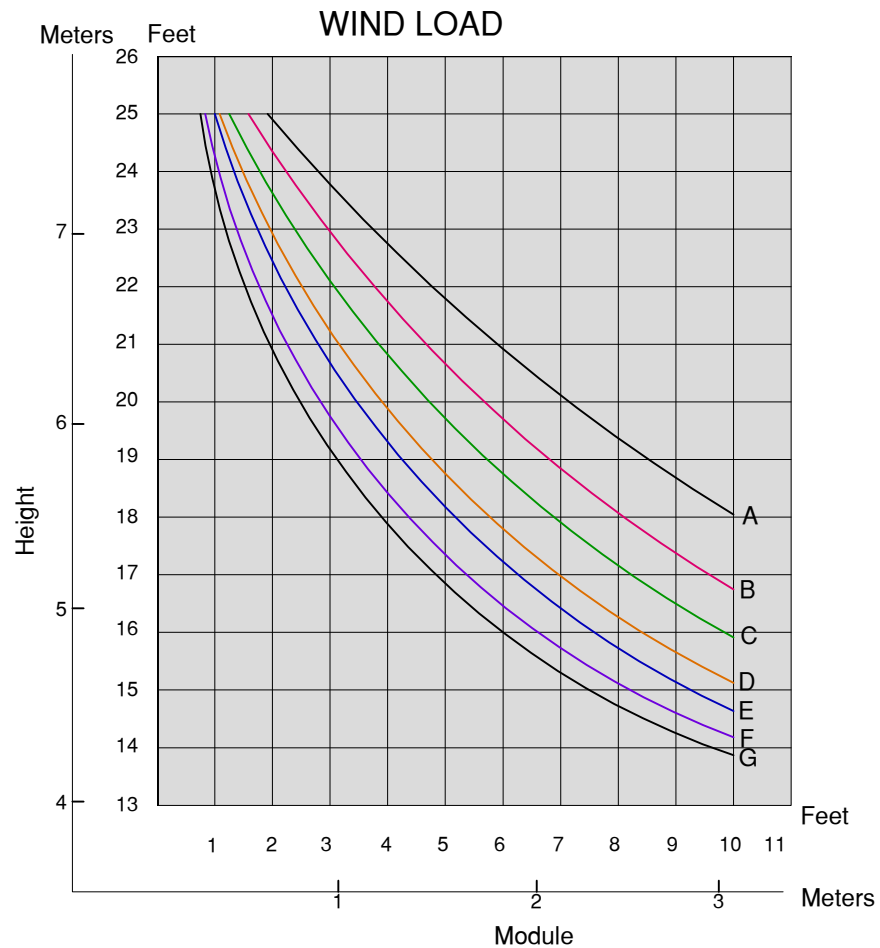
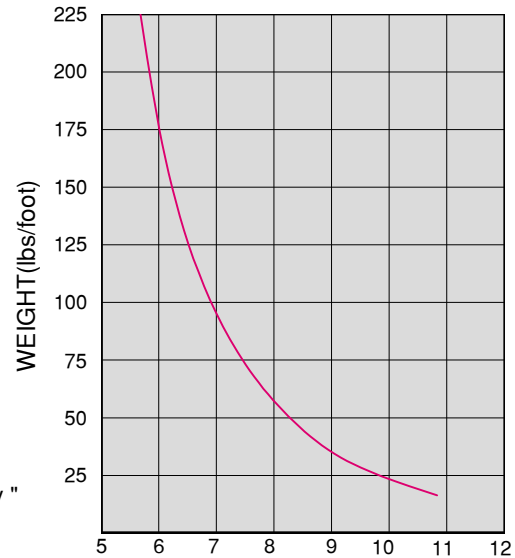
$$I_x = 44.574 \text{ IN}^4$$

$$S_x = 10.955 \text{ IN}^3$$

- A = 20 psf (0.95 KPa)
- B = 25 psf (1.2 KPa)
- C = 30 psf (1.4 KPa)
- D = 35 psf (1.7 KPa)
- E = 40 psf (1.9 KPa)
- F = 45 psf (2.1 KPa)
- G = 50 psf (2.4 KPa)

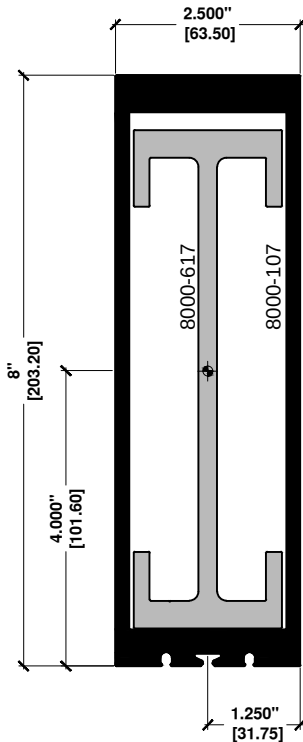
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DEAD LOAD



8000-107 MULLION

8" x 2 1/2" (203.2mm x 63.5mm)



8000-107

$$A = 5.043 \text{ IN}^2$$

$$I_x = 44.574 \text{ IN}^4$$

$$S_x = 10.955 \text{ IN}^3$$

8000-617

$$A = 3.5651 \text{ IN}^2$$

$$I_x = 23.791 \text{ IN}^4$$

$$S_x = 7.051 \text{ IN}^3$$

Total Properties

$$A = 8.6081 \text{ IN}^2$$

$$I_x = 68.311 \text{ IN}^4$$

$$S_x = 17.986 \text{ IN}^3$$

$$A = 20 \text{ psf (0.95 KPa)}$$

$$B = 25 \text{ psf (1.2 KPa)}$$

$$C = 30 \text{ psf (1.4 KPa)}$$

$$D = 35 \text{ psf (1.7 KPa)}$$

$$E = 40 \text{ psf (1.9 KPa)}$$

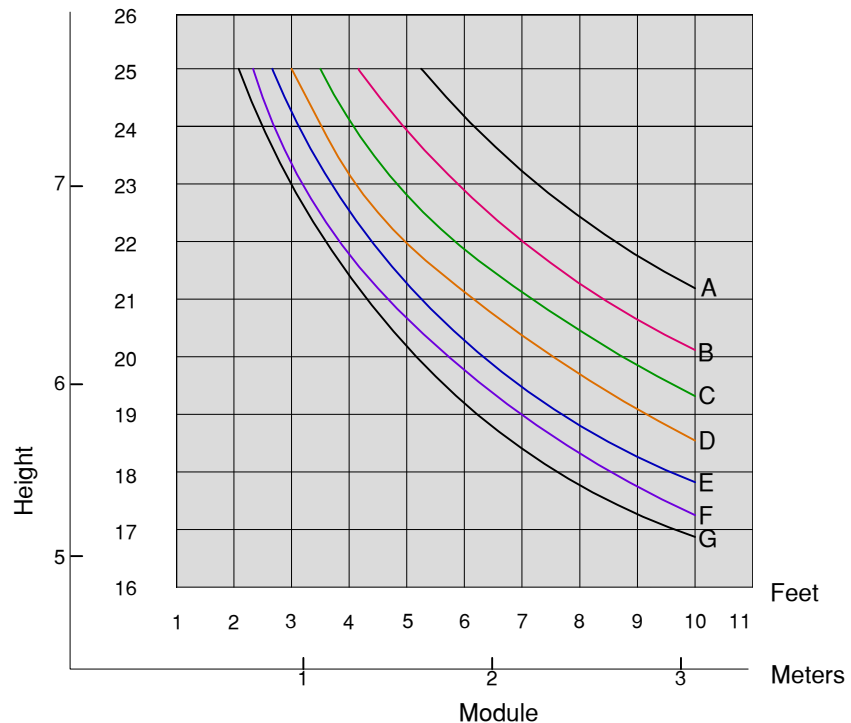
$$F = 45 \text{ psf (2.1 KPa)}$$

$$G = 50 \text{ psf (2.4 KPa)}$$

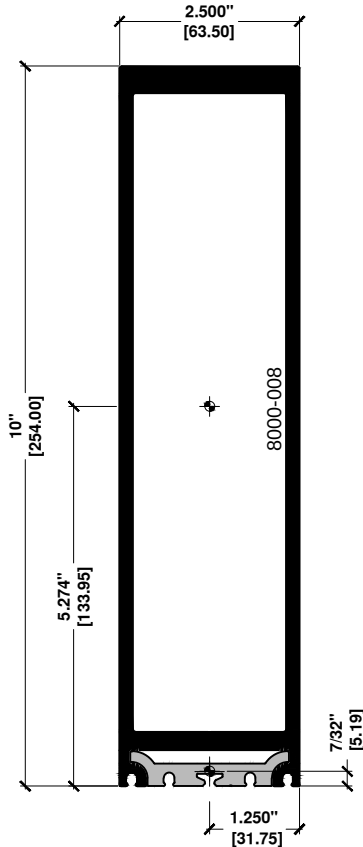
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Meters Feet

WIND LOAD



8000-008 MULLION/8000-109
10" x 2 1/2" (254mm x 63.5mm)



8000-008

$$A = 5.092 \text{ IN}^2$$

$$I_x = 60.021 \text{ IN}^4$$

$$S_x = 11.381 \text{ IN}^3$$

8000-109

$$A = 0.541 \text{ IN}^2$$

$$I_x = 0.007 \text{ IN}^4$$

$$S_x = 0.025 \text{ IN}^3$$

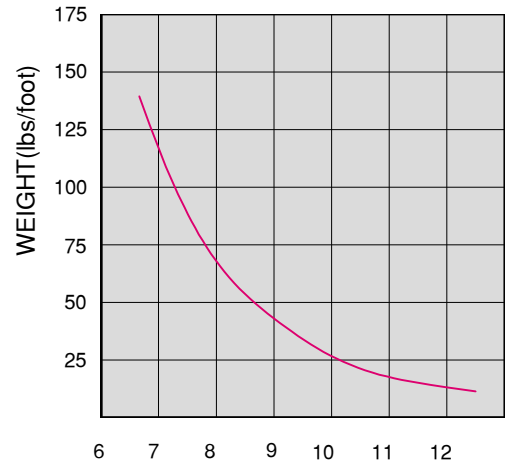
- A = 20 psf (0.95 KPa)
- B = 25 psf (1.2 KPa)
- C = 30 psf (1.4 KPa)
- D = 35 psf (1.7 KPa)
- E = 40 psf (1.9 KPa)
- F = 45 psf (2.1 KPa)
- G = 50 psf (2.4 KPa)

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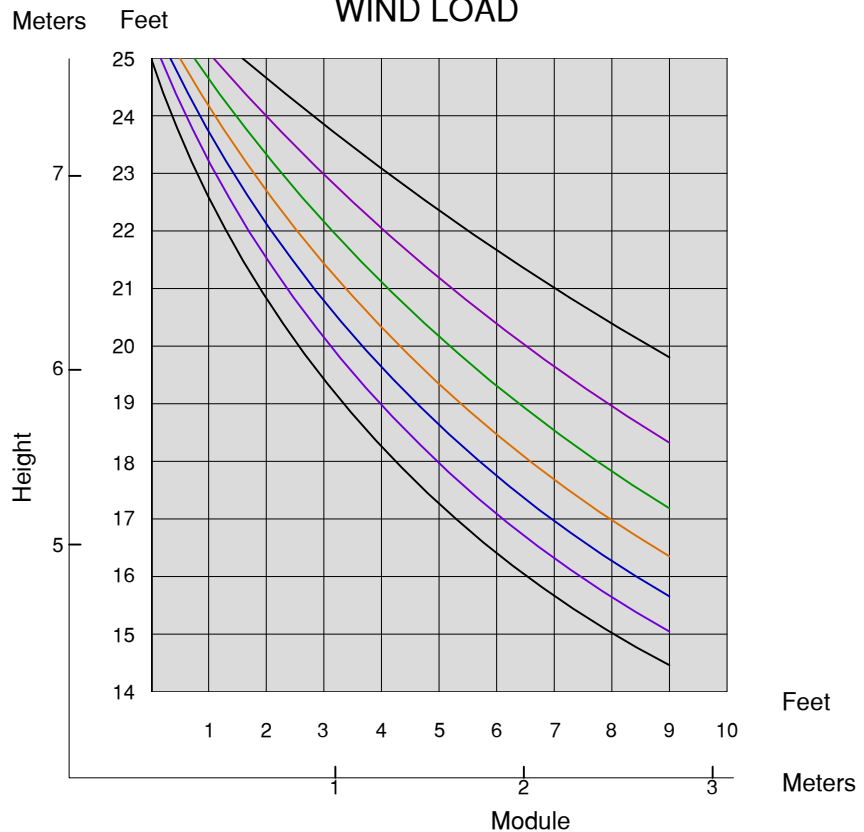
Note:

Secure the neck to the mullion using two rows of # 12 screws spaced at 12" O.C., one row on each side of the neck. Countersink the heads of screws.

DEAD LOAD

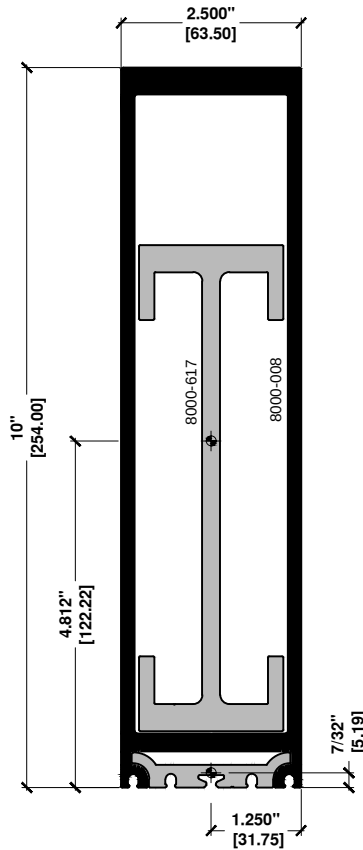


WIND LOAD



8000-008 REINFORCED MULLION

10" x 2 1/2" (254mm x 63.5mm)



8000-008

$$A = 5.082 \text{ IN}^2$$

$$I_x = 59.775 \text{ IN}^4$$

$$S_x = 11.314 \text{ IN}^3$$

8000-617

$$A = 3.5651 \text{ IN}^2$$

$$I_x = 23.791 \text{ IN}^4$$

$$S_x = 7.051 \text{ IN}^3$$

Total Properties

$$A = 8.647 \text{ IN}^2$$

$$I_x = 83.566 \text{ IN}^4$$

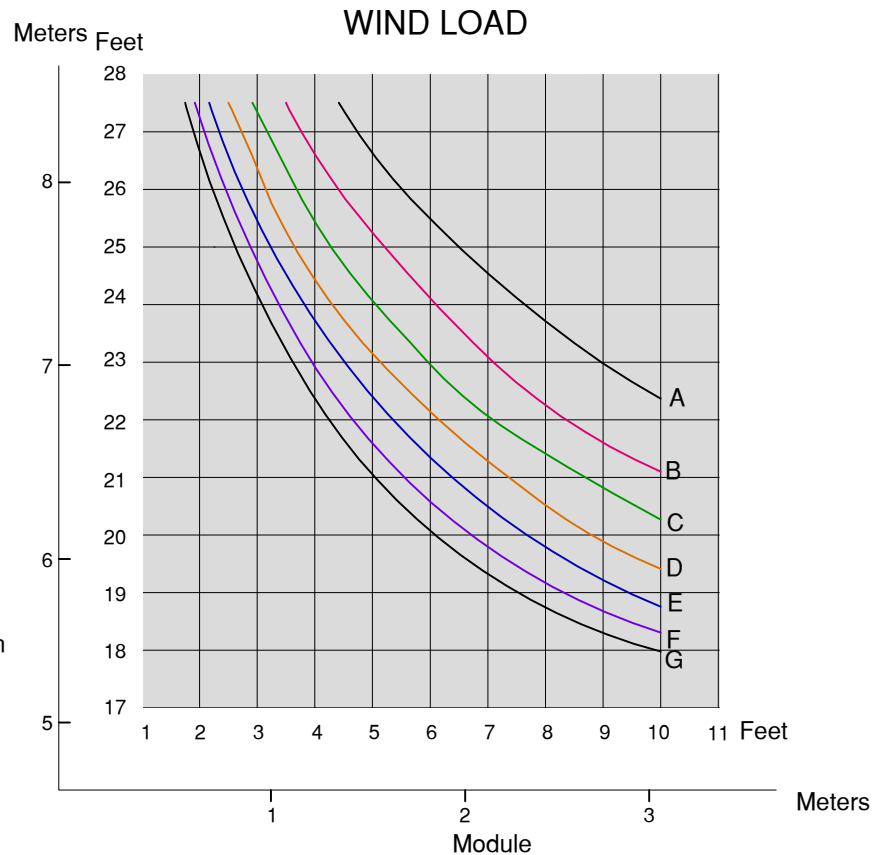
$$S_x = 18.365 \text{ IN}^3$$

A = 20 psf (0.95 KPa)
B = 25 psf (1.2 KPa)
C = 30 psf (1.4 KPa)
D = 35 psf (1.7 KPa)
E = 40 psf (1.9 KPa)
F = 45 psf (2.1 KPa)
G = 50 psf (2.4 KPa)

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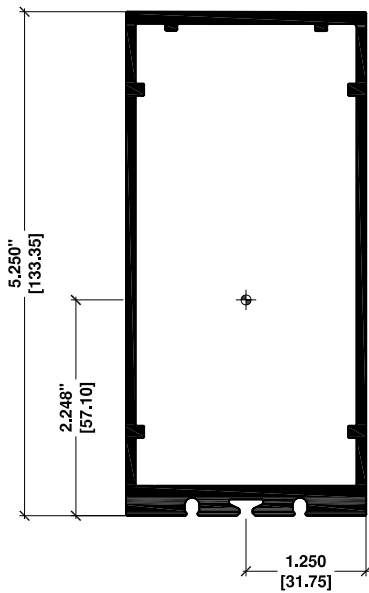
Note:

Secure the neck to the mullion using two rows of # 12 screws spaced at 12" O.C., one row on each side of the neck. Countersink the heads of screws.



8000-108 MULLION

5-1/4" x 2 1/2" (133.35mm x 63.5mm)



8000-108

$$A = 3.489 \text{ IN}^2$$

$$I_x = 7.896 \text{ IN}^4$$

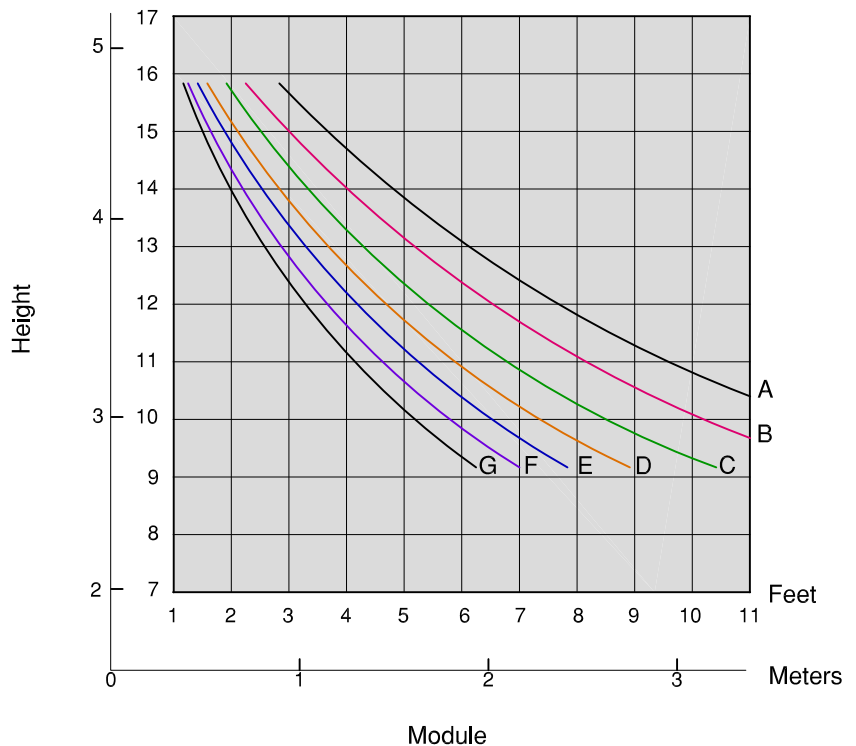
$$S_x = 2.670 \text{ IN}^3$$

- A = 20 psf (0.95 KPa)
- B = 25 psf (1.2 KPa)
- C = 30 psf (1.4 KPa)
- D = 35 psf (1.7 KPa)
- E = 40 psf (1.9 KPa)
- F = 45 psf (2.1 KPa)
- G = 50 psf (2.4 KPa)

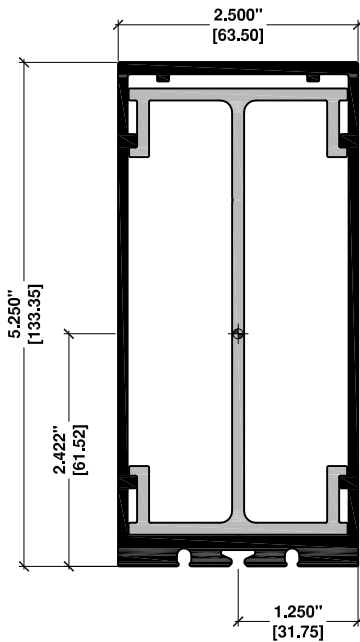
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Not for design.

Meters Feet

WIND LOAD



8000-108 REINFORCED MULLION
5-1/4" x 2 1/2" (133.35mm x 63.5mm)



8000-108

$$A = 3.489 \text{ IN}^2$$

$$I_x = 7.896 \text{ IN}^4$$

$$S_x = 2.670 \text{ IN}^3$$

8000-614

$$A = 1.461 \text{ IN}^2$$

$$I_x = 4.834 \text{ IN}^4$$

$$S_x = 2.080 \text{ IN}^3$$

Total Properties

$$A = 4.95 \text{ IN}^2$$

$$I_x = 12.73 \text{ IN}^4$$

$$S_x = 4.75 \text{ IN}^3$$

$$A = 20 \text{ psf (0.95 KPa)}$$

$$B = 25 \text{ psf (1.2 KPa)}$$

$$C = 30 \text{ psf (1.4 KPa)}$$

$$D = 35 \text{ psf (1.7 KPa)}$$

$$E = 40 \text{ psf (1.9 KPa)}$$

$$F = 45 \text{ psf (2.1 KPa)}$$

$$G = 50 \text{ psf (2.4 KPa)}$$

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