TECHNICAL DATA

DESCRIPTION: 2-1/2" (63.5mm) WIDE, CAPPED THERMALLY BROKEN WALL SYSTEM, WITH 4" (101.6mm), 5-1/4" (133.3mm), 6-5/8" (168.2mm) DEPTH.

COMPATIBILITY: ADHESION TESTING OF SILICONE TO FINISHED SECTIONS IS RECOMMENDED BY THE SILICONE MANUFACTURERS.

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

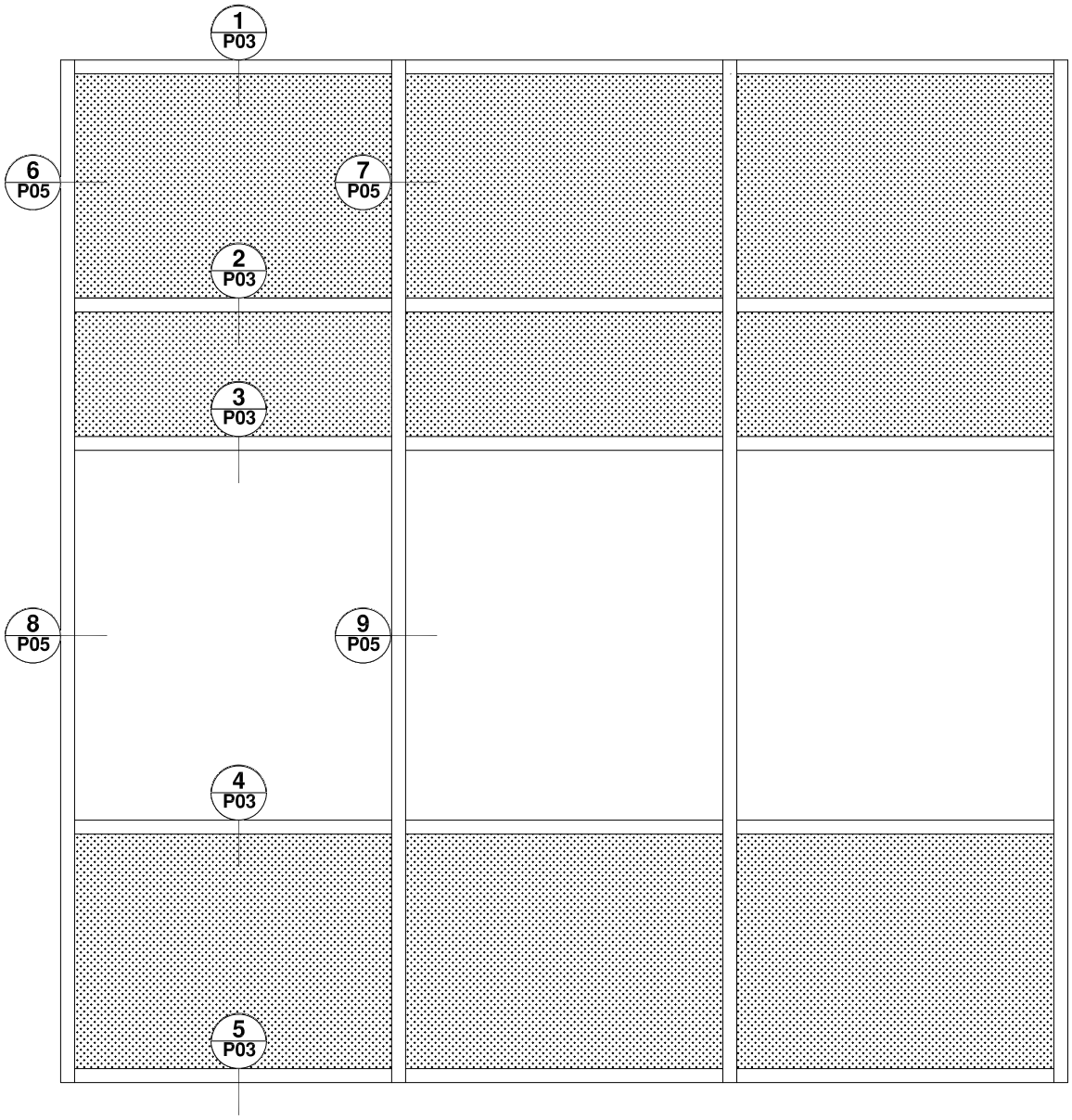
STOCK LENGTH: 24'-2" (7.37 METERS).

ASSEMBLY: DESIGNED FOR SHEAR BLOCK AND SCREW PORT ASSEMBLY

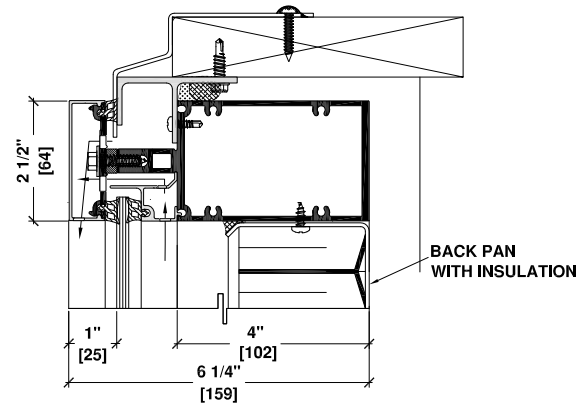
STRENGTH: **REFER TO WIND LOAD CHARTS FOR MAXIMUM ALLOWABLE SPAN, CONSULT STRUCTURAL ENGINEERING FOR FINAL DESIGN**

ANCHORING: REFER TO FABRICATION AND INSTALLATION MANUAL.

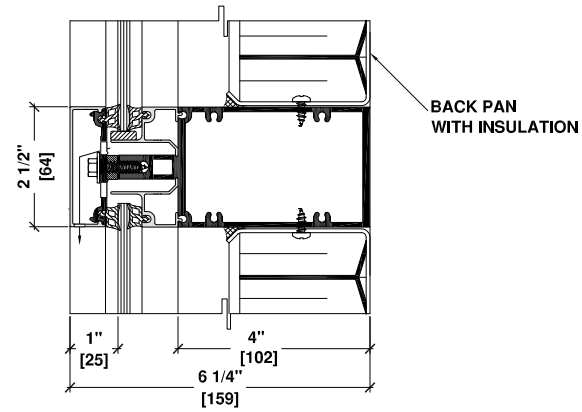
GLAZING: 8000 SERIES IS AN EXTERIOR GLAZED SYSTEM WHICH WILL ACCEPT 1/4" (6mm)SINGLE GLASS, 1/2" (12.7mm) AND 1" (25mm) SEALED UNIT.



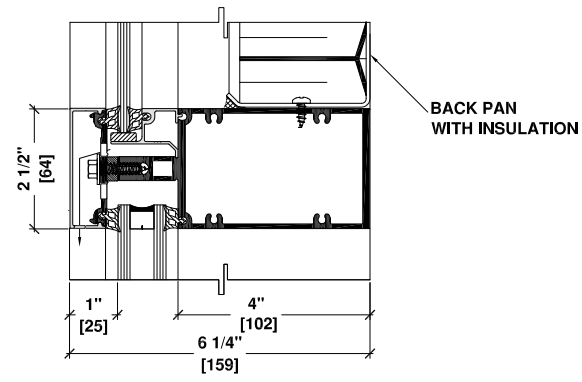
ELEVATION



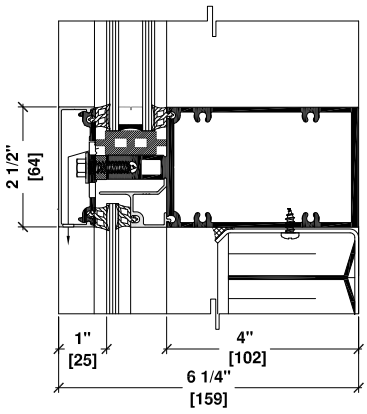
1 **4" HORIZONTAL MULLION SPANDREL PARAPET WALL CONDITION**



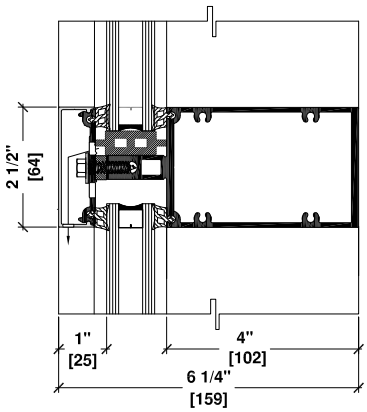
2 **4" HORIZONTAL MULLION SPANDREL/SPANDREL**



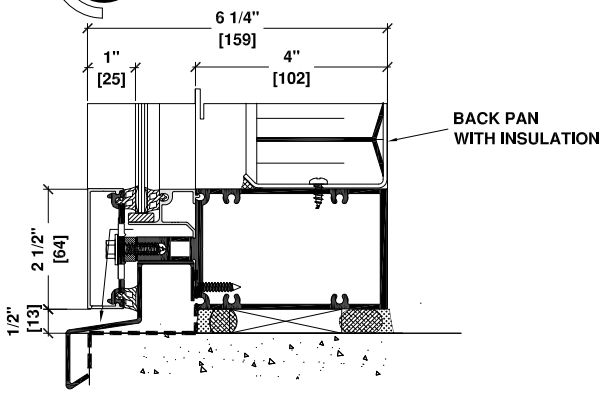
3 **4" HORIZONTAL MULLION SPANDREL/VISION**



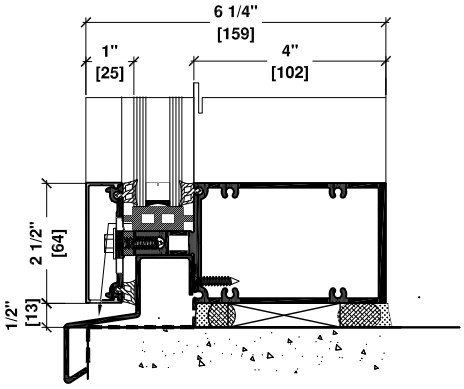
4 **4" HORIZONTAL MULLION VISION/SPANDREL**



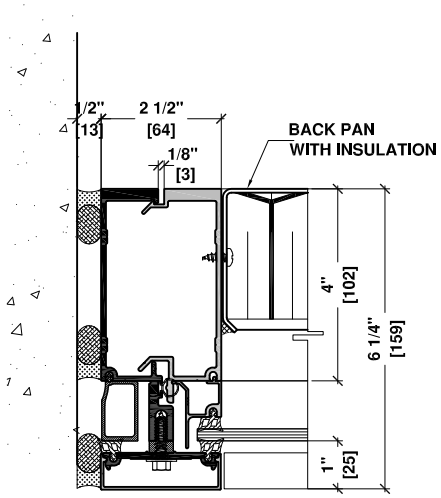
4a **4" HORIZONTAL MULLION VISION/VISION**



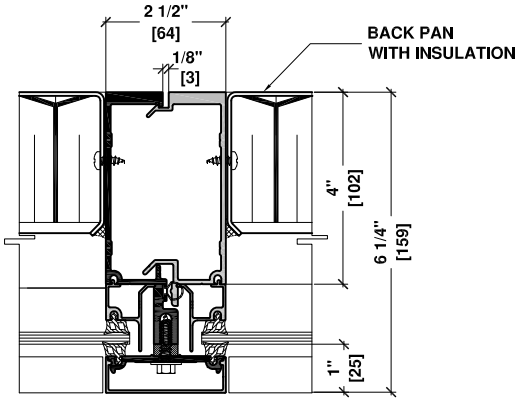
5 **4" HORIZONTAL MULLION SPANDREL**



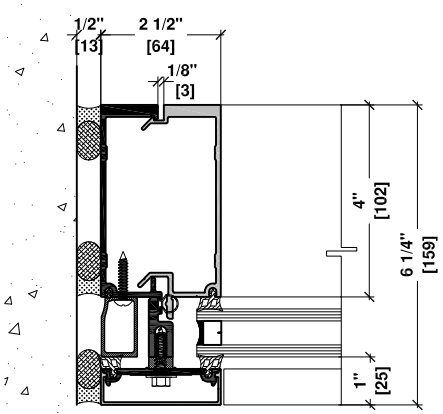
5a **4" HORIZONTAL MULLION VISION**



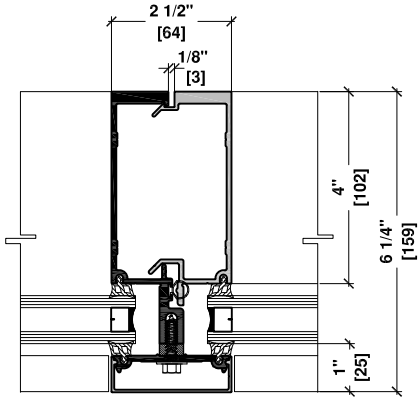
6 **4" SPLIT MULLION SPANDREL JAMB CONDITION**



7 **4" HORIZONTAL EXPANSION SPANDREL-SPANDREL**

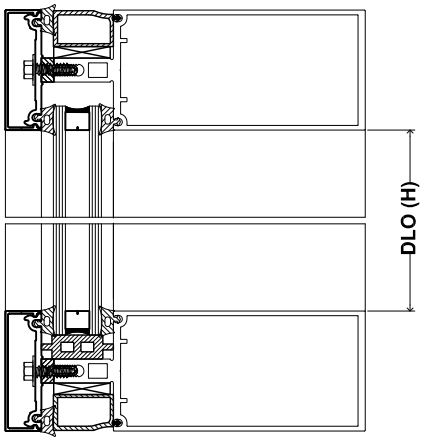


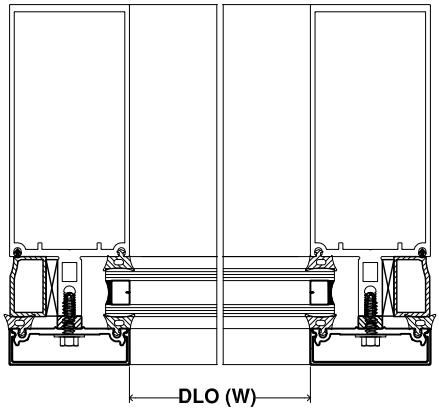
8 **4" SPLIT MULLION VISION JAMB CONDITION**



9 **4" SPLIT MULLION VISION-VISION**

GLASS CALCULATION





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

Glass (W)= DLO(W) + 1"(25.4mm)

Glass (H)=DLO(H) + 1"(25.4mm)

Note: use the appropriate spline

PART #: 8000-013
MALE SPLIT MULLION
4"(101.6mm)
2 1/2" X 4"
(63.5mm) X (101.6mm)

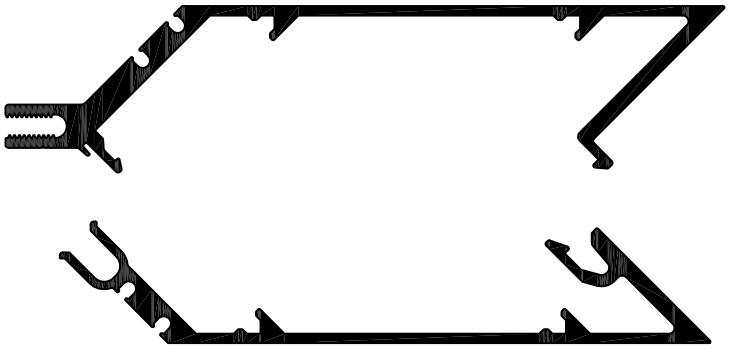
PART #: 8000-023
FEMALE SPLIT MULLION
4" (101.6mm)
2 1/2" X 4"
(63.5mm) X (101.6mm)

PART #: 8000-014
MALE SPLIT MULLION
5 1/4" (133.35mm)
2 1/2" X 5 1/4"
(63.5mm) X (133.35mm)

PART #: 8000-024
FEMALE SPLIT MULLION
5 1/4" (133.35mm)
2 1/2" X 5 1/4"
(63.5mm) X (133.35mm)

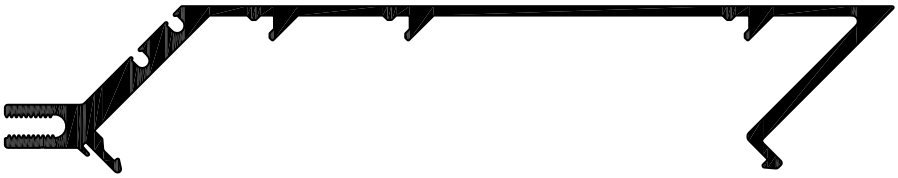
PART #: 8000-015
MALE SPLIT MULLION
6 5/8" (168.27mm)
2 1/2" X 6 5/8"
(63.5mm) X (168.27mm)

PART #: 8000-025
FEMALE SPLIT MULLION
6 5/8" (168.27mm)
2 1/2" X 6 5/8"
(63.5mm) X (168.27mm)

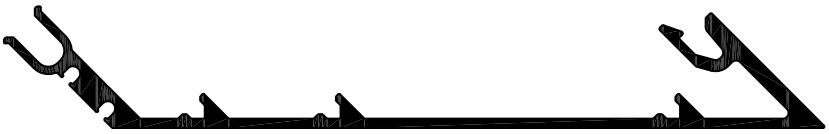


PART#: 8000-016
CORNER SPLIT
MALE MULLION
CAPPED FOR 4"
BACK SECTION

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

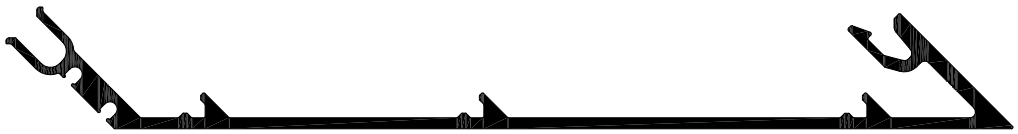


PART#: 8000-017
CORNER SPLIT
MALE MULLION
CAPPED FOR 5 1/4"
BACK SECTION



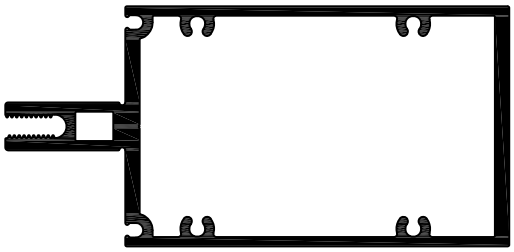
PART#: 8000-027
CORNER SPLIT
FEMALE MULLION
CAPPED FOR 5 1/4"
BACK SECTION

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

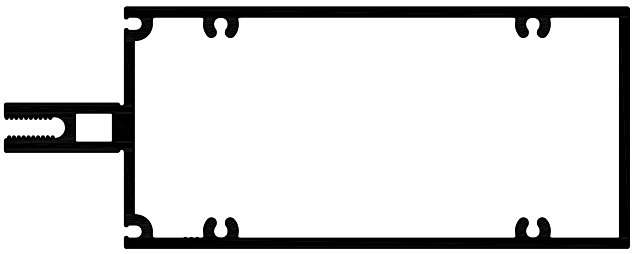


PART#: 8000-028
CORNER SPLIT
FEMALE MULLION
CAPPED FOR 6 5/8"
BACK SECTION

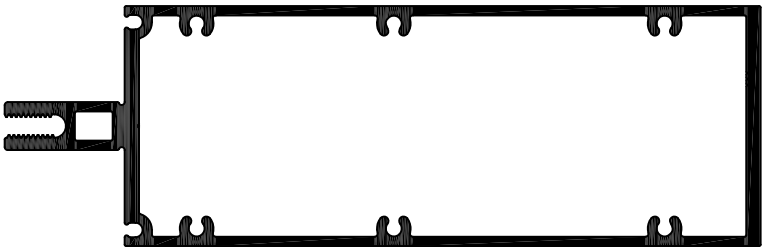
NOTE:
90° SPLIT CORNER IS NOT COMPATIBLE WITH HORIZONTAL EXPANSION.



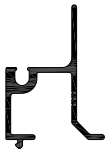
PART #: 8000-053
HORIZONTAL MULLION
4" (101.6mm)
2 1/2" X 4"
(63.5mm) X (101.6mm)



PART #: 8000-054
HORIZONTAL MULLION
5 1/4" (133.35mm)
2 1/2" X 5 1/4"
(63.5mm) X (133.35mm)



PART #: 8000-055
HORIZONTAL MULLION
6 5/8" (168.27mm)
2 1/2" X 6 5/8"
(63.5mm) X (168.27mm)



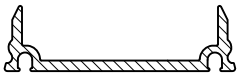
PART #: 8000-080
ADAPTOR
SINGLE GLAZED
1/4" (6mm)

PART #: 8000-081
ADAPTOR
SINGLE GLAZED
1/2" (12mm)

PART #: 8000-600
PRESSURE PLATE
DRY GLAZING
(PRE-PUNCHED)

PART #: 8000-601
PRESSURE PLATE
WET GLAZING
(PRE-PUNCHED)

PART #:8000-602
PRESSURE PLATE
DRY GLAZING



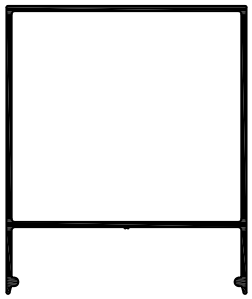
PART #: 8000-620
FIBER GLASS
PRESSURE PLATE
DRY GLAZING
(PRE-PUNCHED)

PART #: 8000-050
2 1/2" PURLIN BAR

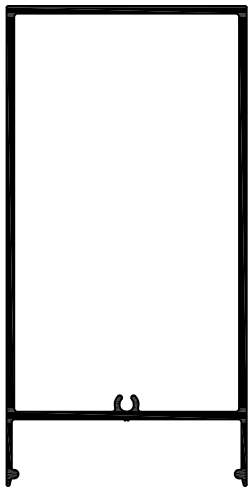
PART #: 8000-030
SNAP ON CAP
3/4" (19mm)

PART #: 8000-032
SNAP ON CAP
1 1/2" (38.1mm)

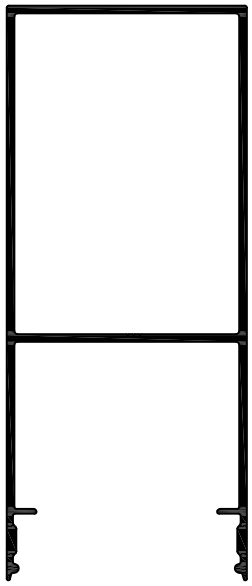
PART #: 8000-034
SNAP ON CAP
2 1/2" (63.5mm)



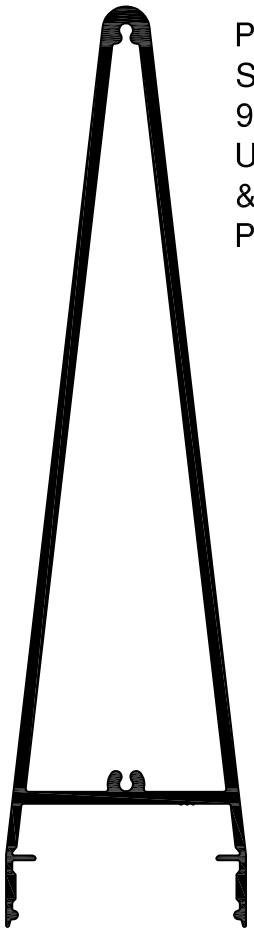
PART #: 8000-035
SNAP ON CAP
3" (76.2mm)



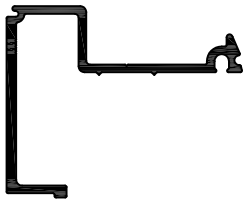
PART #: 8000-037
SNAP ON CAP
5" (127mm)



PART #: 8000-038
SNAP ON CAP
6" (152.4mm)
USE WITH 8000-602
& 8000-620
PRESSURE PLATE
ONLY

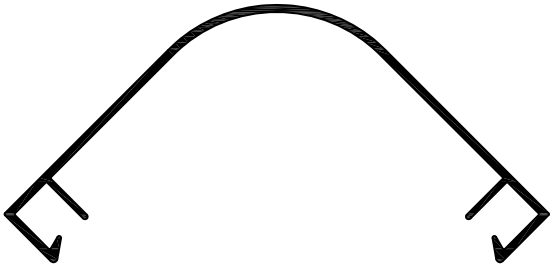


PART #: 8000-045
SLOPED CAP
9 1/2" (241.3mm)
USE WITH 8000-602
& 8000-620 PRESSURE
PLATE ONLY



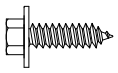
PART #: 8000-071
FLUSH DOOR
ADAPTOR

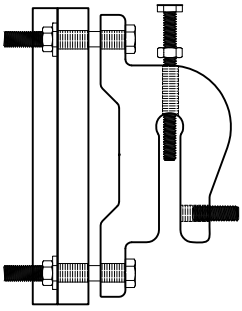
PART #: 8000-072
FLUSH DOOR
ADAPTOR CAP



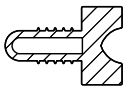
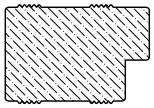
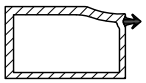
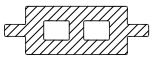
PART #: 8000-040
SNAP ON CAP FOR 90°
OUTSIDE CORNER

PART #: 8000-608
PRESSURE PLATE
FOR 90° OUTSIDE
CORNER

DRAWING	DESCRIPTION	APPLICATION	QTY/ JOINT
	PART #: 9902-009 # 1/4-20 X 1" HEX WASHER MACHINE SCREW	FASTEN PRESSURE PLATE TO MULLION	
	PART #: 9902-514 # 10-1 1/2" FH SCREW	FASTEN SINGLE GLAZED ADAPTOR TO MULLION	@ 6" C/C
	PART #: 9902-400 # 10 X 1/2" RH SCREW	FASTEN MULLION AND BACKPAN	
	PART #: 9902-301 #8X5/8" R.H. TECK SCREW	FASTEN TO PARAPET DETAIL VIA MULLION	



PART#:8000-951
HOOK ANCHOR FOR SPLIT CW

	PART #: 9903-137 BULB GASKET GENERAL	PLACED TO MALE SPLIT MULLION
	PART #: 9905-008 MOHAIR	INSTALLED ON EXPANSION LOWER CAPPED
	PART #: 9903-005 THERMAL BREAK	TO REDUCE OR PREVENT FLOW OF THERMAL ENERGY
	PART #: 9903-105 GLAZING SPLINE	PLACED ON MULLION AND DRY GLAZED PRESSURE PLATE
	PART #: 9903-310 CORNER PLUG	APPLY ONE TO EACH CORNER
	PART #: 9906-108 POCKET FILLER	PLACED INTO THE OUTSIDE POCKET OF EACH PERIMETER
	PART #: 9903-213 AIR SEAL GASKET	AIR SEAL GASKET ON 90° CORNER SPLIT MULLION
	PART #: 9903-205 AIR SEAL GASKET	SETTING BLOCK 4" LONG
	PART #: 9903-207 SETTING BLOCK FOR SINGLE GLASS	2 PER DLO
	PART #: 9903-143 BULB-SEAL FOR DOOR STOP	APPLY TO THE DOOR STOP

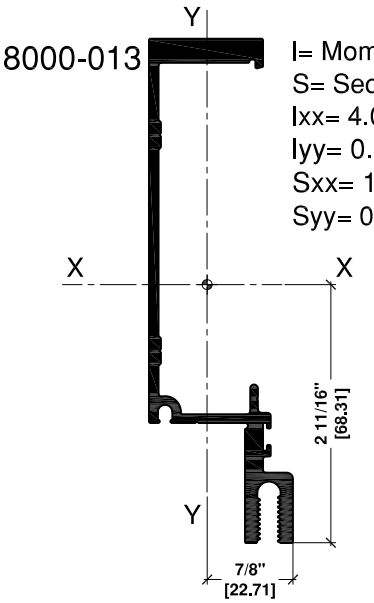
AWSF TEST RESULTS

TEST	RESULTS
Air Leakage Rate Test Pressure - 75 Pa (1.60 psf) Test Pressure - 300 Pa (6.20 psf)	 0.10 L/sec/m^2 (0.02 scfm/ft^2) 0.05 L/sec/m^2 (0.01 scfm/ft^2)
Water Pressure Achieved	960 Pa (20.00 psf)
Maximum Structural Pressure Achieved	Test Pressure of 2520 Pa (52.50 psf) Positive load deflection - 1.45 mm (0.057 in) Negative load deflection - 1.45 mm (0.057 in)

NFRC TEST RESULTS

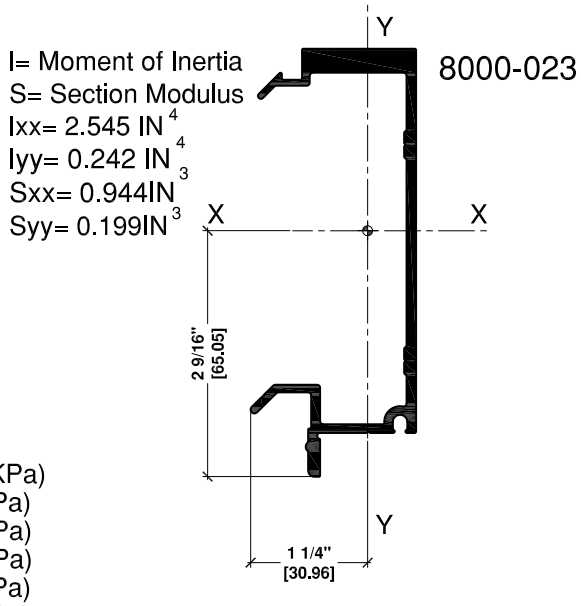
ITEM	VALUE
Standardized U-Factor	0.42 Btu/hr-ft^2-F

8000-013
8000-023
4" x 2 1/2" (101.45mm x 63.5mm)



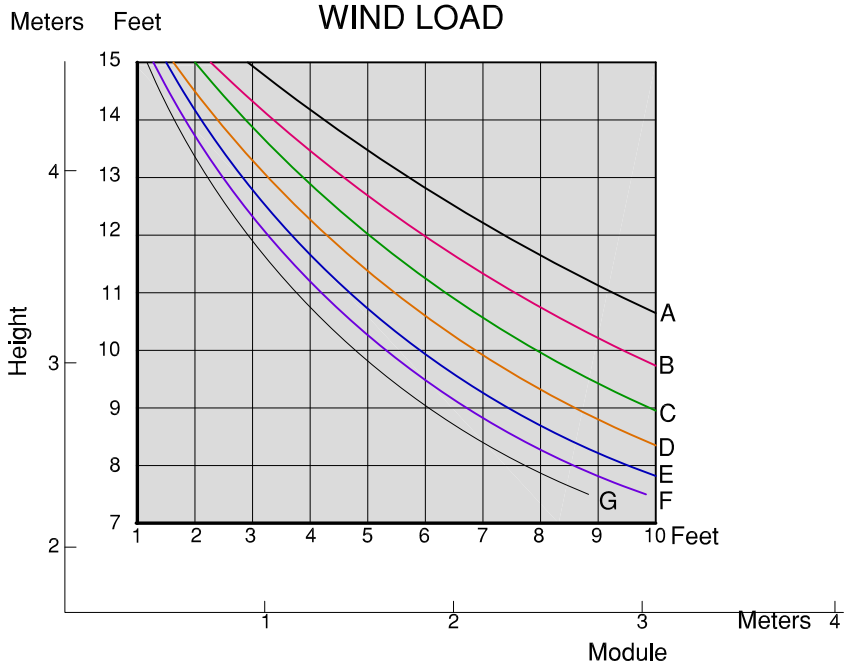
I= Moment of Inertia
S= Section Modulus
Ixx= 4.089 IN^4
Iyy= 0.305 IN^4
Sxx= 1.520IN^3
Syy= 0.341IN^3

" For information purposes only "
Not for design.

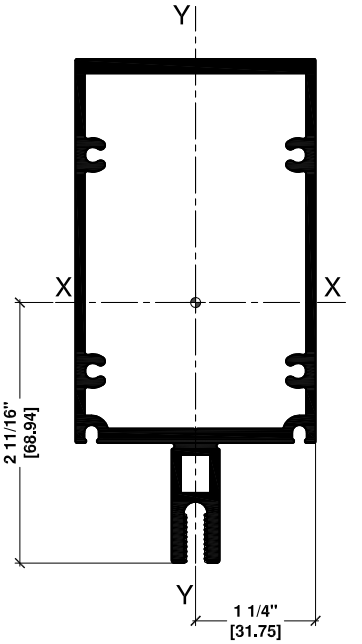


I= Moment of Inertia
S= Section Modulus
Ixx= 2.545 IN^4
Iyy= 0.242 IN^4
Sxx= 0.944IN^3
Syy= 0.199IN^3

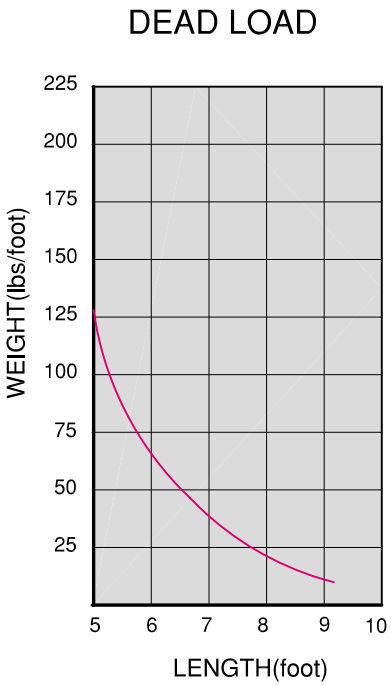
A = 20 psf (0.95 KPa)
B = 25 psf (1.2 KPa)
C = 30 psf (1.4 KPa)
D = 35 psf (1.7 KPa)
E = 40 psf (1.9 KPa)
F = 45 psf (2.1 KPa)
G = 50 psf (2.4 KPa)



8000-053
4" x 2 1/2" (101.45mm x 63.5mm)

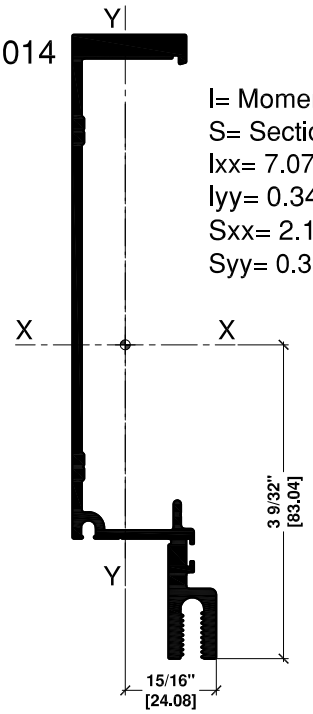


" For information purposes only "
Not for design.



8000-014
8000-024
5-1/4" x 2 1/2" (133.35mm x 63.5mm)

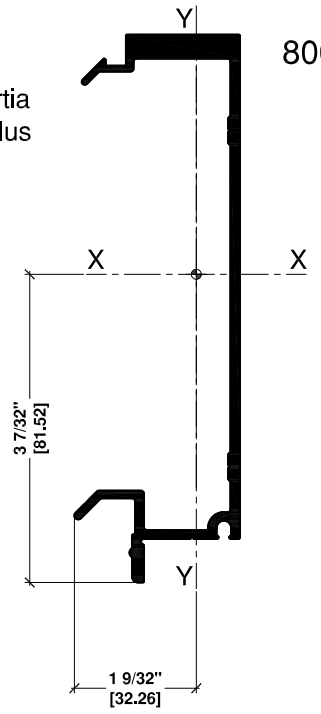
8000-014



I= Moment of Inertia
S= Section Modulus
Ixx= 7.074IN^4
Iyy= 0.340IN^4
Sxx= 2.164IN^3
Syy= 0.359IN^3

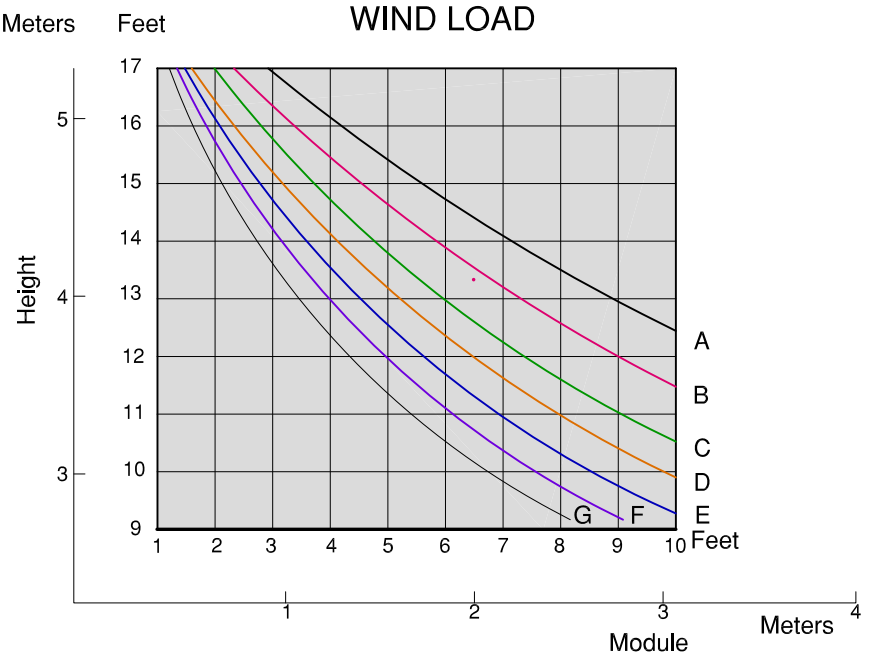
B = 25 psf (1.2 KPa)
C = 30 psf (1.4 KPa)
D = 35 psf (1.7 KPa)
E = 40 psf (1.9 KPa)
F = 45 psf (2.1 KPa)
G = 50 psf (2.4 KPa)

8000-024

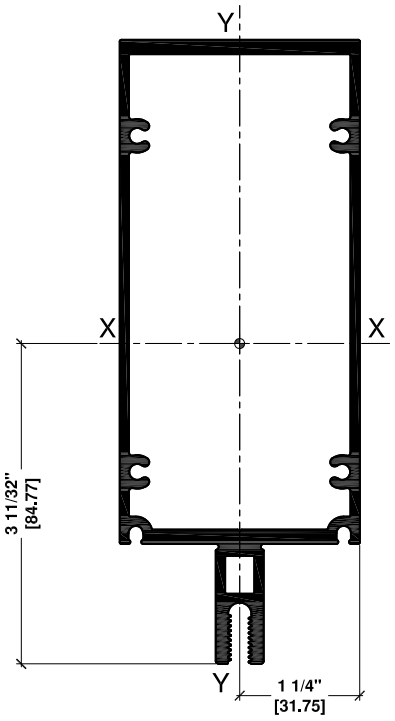


I= Moment of Inertia
S= Section Modulus
Ixx= 4.794IN^4
Iyy= 0.265 IN^4
Sxx= 1.494IN^3
Syy= 0.209IN^3

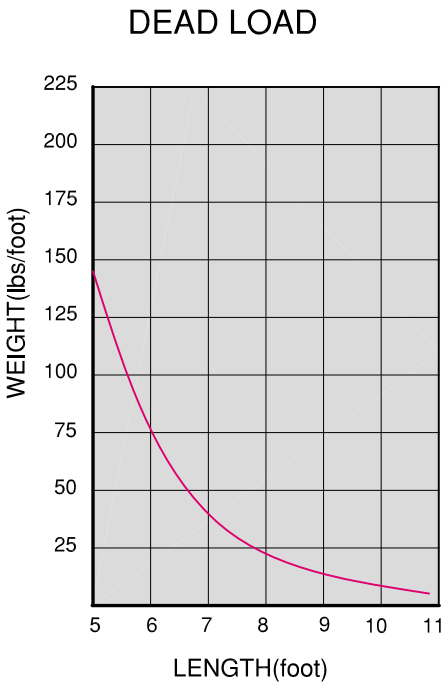
" For information purposes only "
Not for design.



8000-054
5-1/4" x 2 1/2" (133.35mm x 63.5mm)

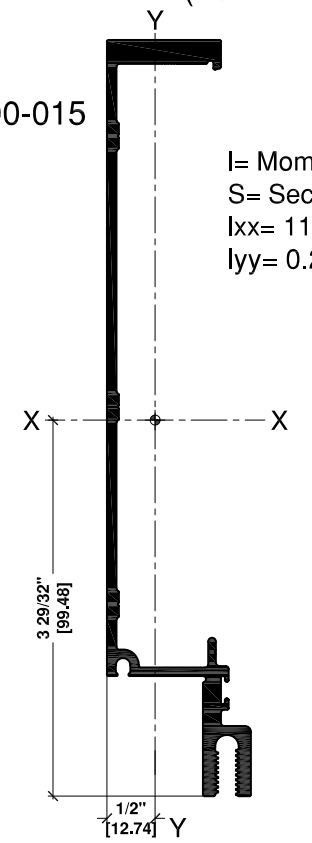


" For information purposes only "
Not for design.



8000-015
8000-025
6-5/8" x 2 1/2" (168.27mm x 63.5mm)

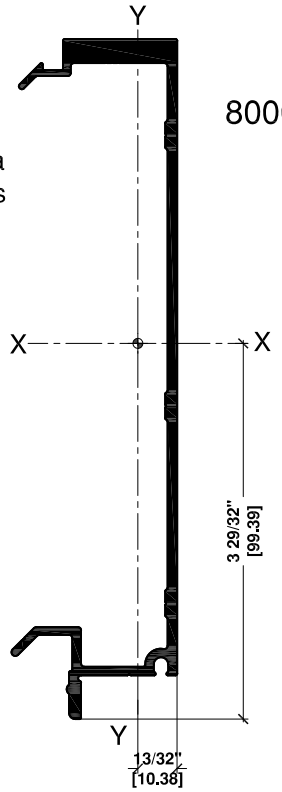
8000-015



I= Moment of Inertia
S= Section Modulus
Ixx= 11.593IN^4
Iyy= 0.298IN^4

I= Moment of Inertia
S= Section Modulus
Ixx= 8.275IN^4
Iyy= 0.285IN^4

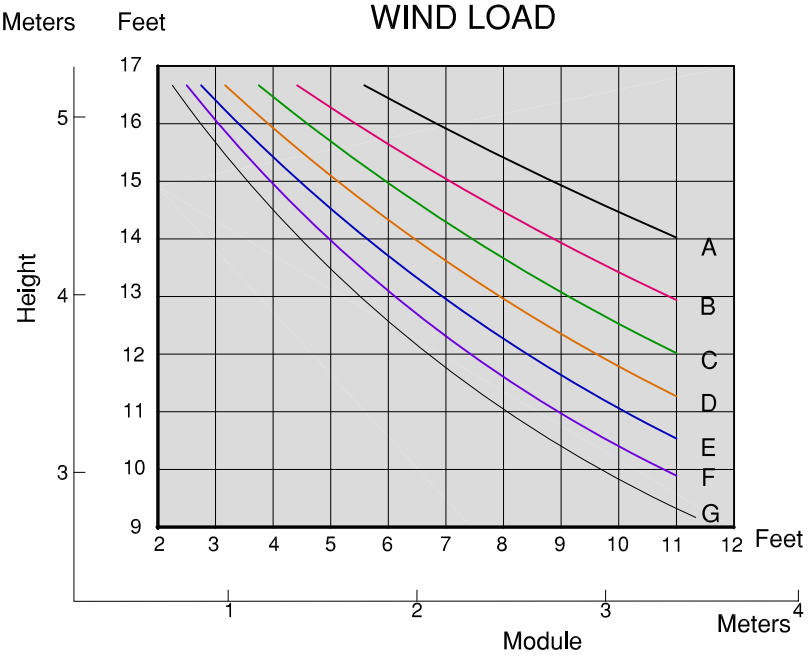
8000-025



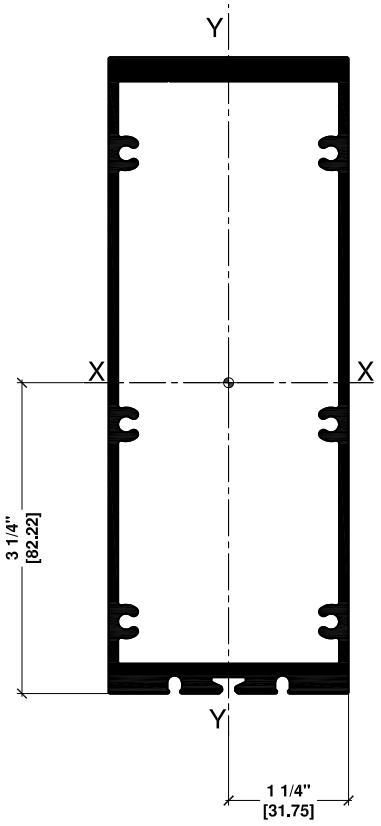
B = 25 psf (1.2 KPa)
C = 30 psf (1.4 KPa)
D = 35 psf (1.7 KPa)
E = 40 psf (1.9 KPa)
F = 45 psf (2.1 KPa)
G = 50 psf (2.4 KPa)

" For information purposes only "
Not for design.

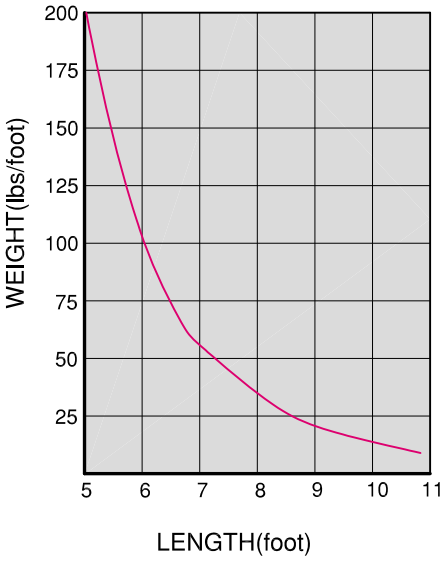
WIND LOAD



8000-155
6-5/8" x 2 1/2" (168.27mm x 63.5mm)



DEAD LOAD



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Not for design.