

5500 HTP SERIES

HIGH THERMAL PERFORMANCE CURTAINWALL



OVERVIEW

- High performance thermal break
- Pressure equalized rainscreen design
- Exterior glazed
- 2-1/2" Sightline
- Accommodates 1/4", 1" and 1 3/4" glazing thickness
- Other glazing thickness may be used please contact your Windspec representative
- Mullion depths available: 2-7/8", 3-5/8", 4", 5-1/4", 6-5/8", 8", 10"
- Capped glazing and SSG configurations available
- Available in anodized and painted finishes

PERFORMANCE

- U values as low as 0.30 (1" glazing)
- U value as low as 0.20 (1-3/4" glazing)
- NAFS: Class AW-PG70
- A440- A3, C5, B7
- I-62 - double glaze / I-72 triple glaze



COMPATIBILITY

Compatible with all Windspec Doors:

- HTP doors (high thermal performance)
- Standard Commercial doors
- Exposed and Flush door adapters available

Compatible with most Windspec operable windows:

- 535 projecting vents (Awning, Hopper, Casement)
- 575 frameless projecting vents (Awning, Casement)
- 720 side slider
- 740 single and double hung
- 3-1/4" louver system
- 2-1/4" bypass louver system

ADAPT

INNOVATE

DELIVER

5500 HTP SERIES

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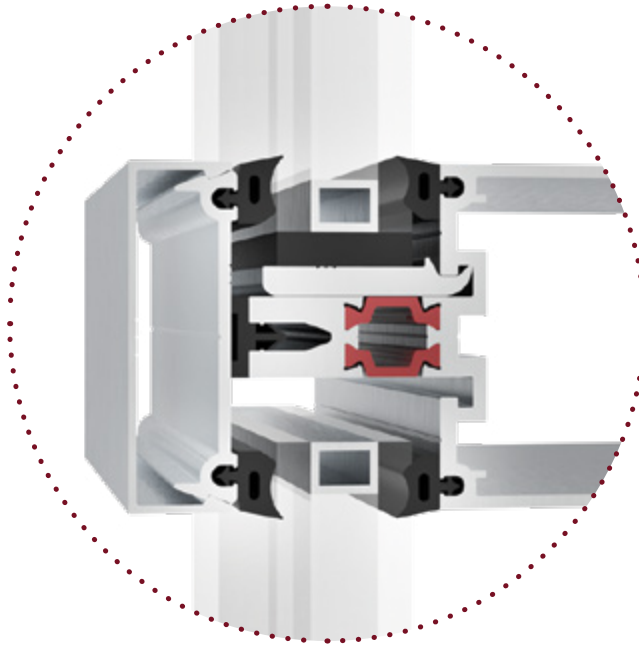
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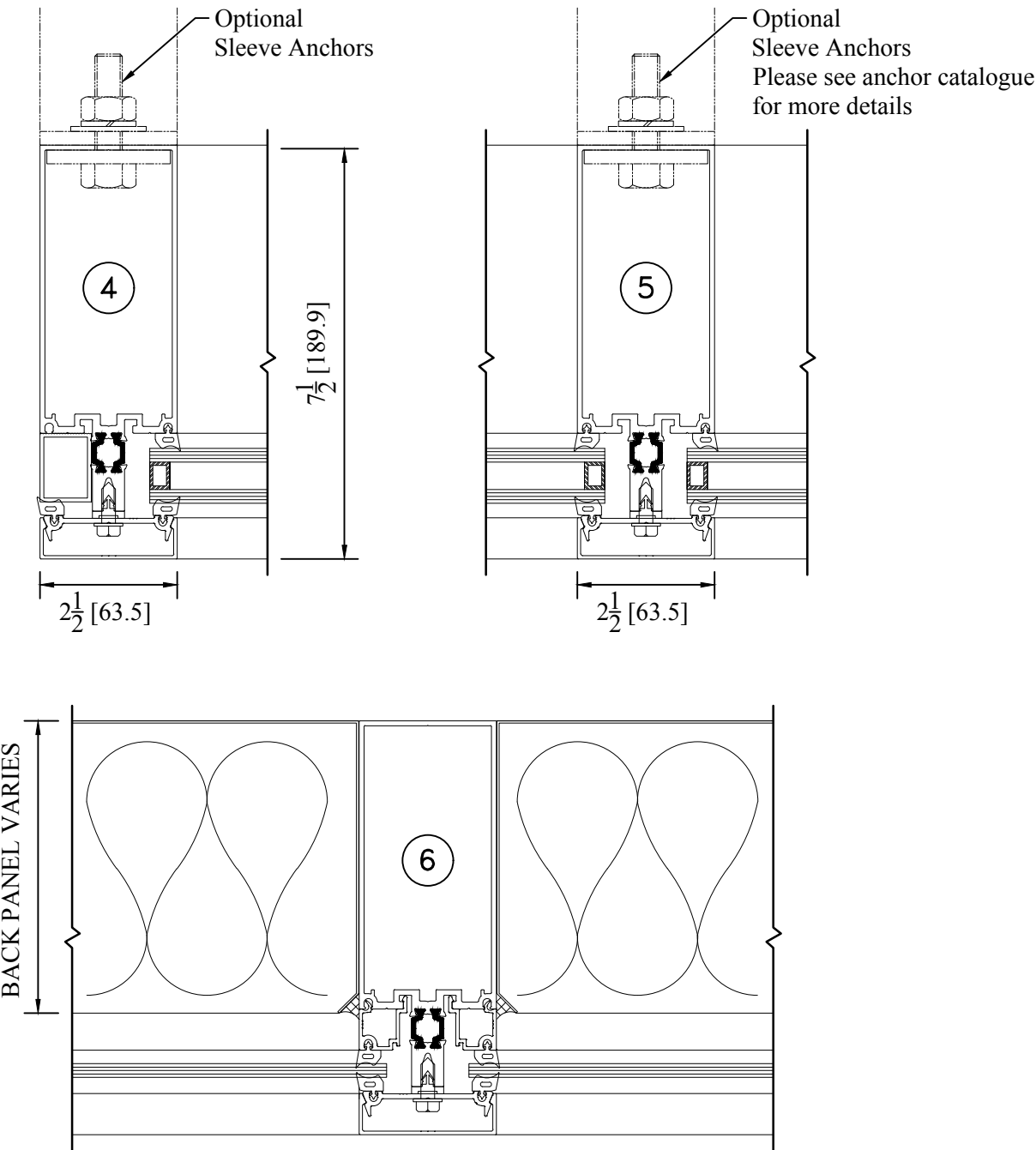
OVERVIEW



Windspec Inc. has combined the sleek look of curtainwall with extraordinary thermal performance. By incorporating an innovative glass-reinforced nylon thermal break, the Windspec 5500HTP can provide your projects with superior thermal performance while maintaining the structural integrity of traditional curtainwall. Available frame sizes allow this system to be used for low span and high span applications.

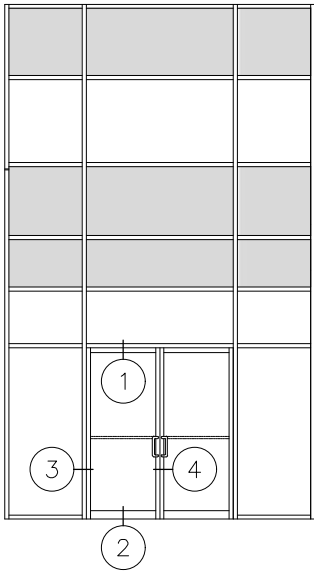
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TYPICAL DETAILS

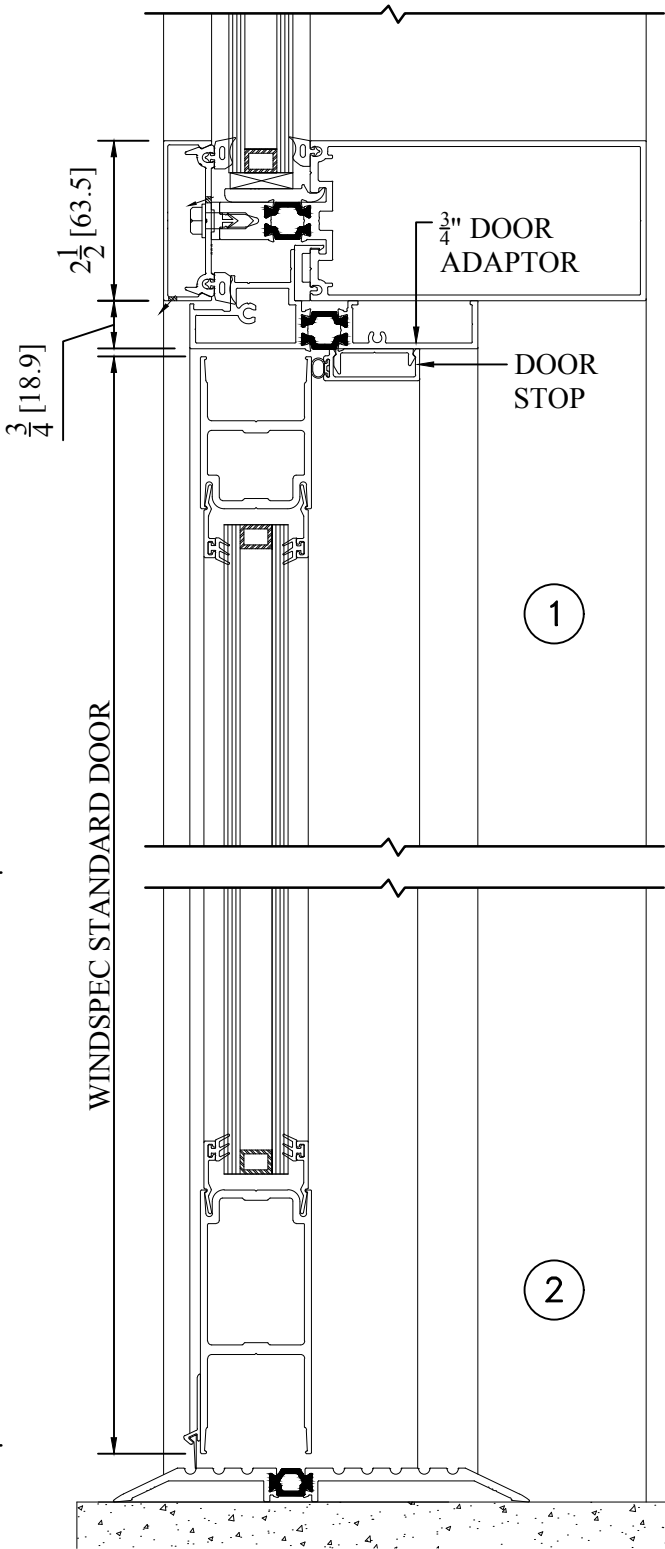
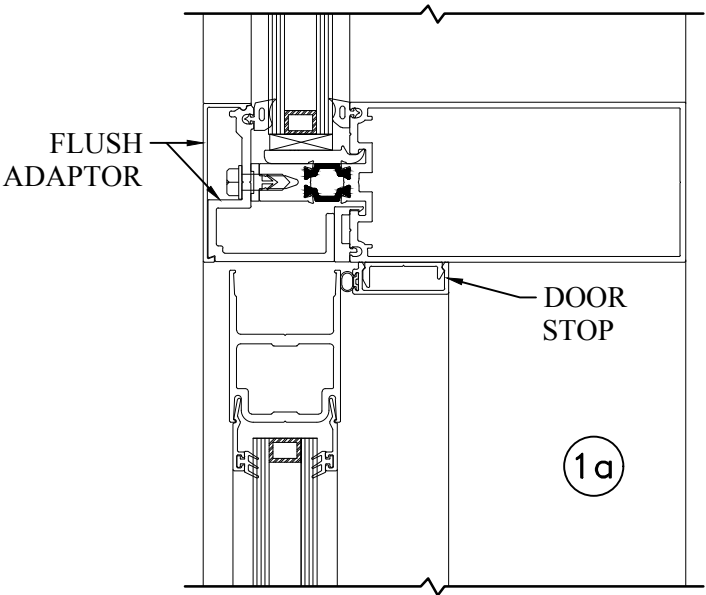


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STANDARD DOOR DETAILS IN 5500 HTP C.W.



OPTION: H.T.P CURTAIN WALL
FLUSH ADAPTOR

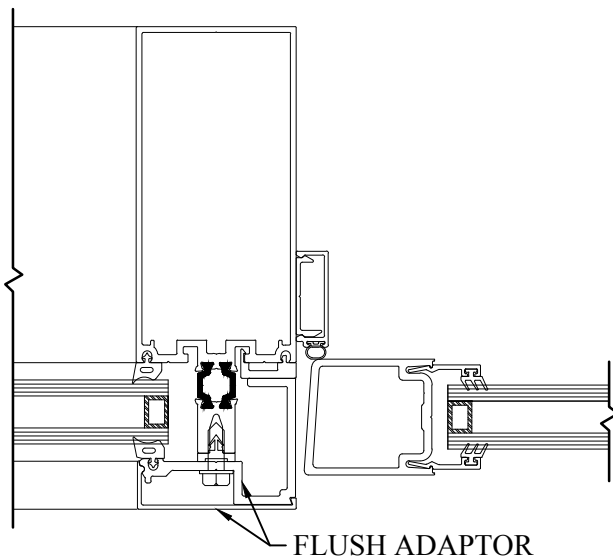
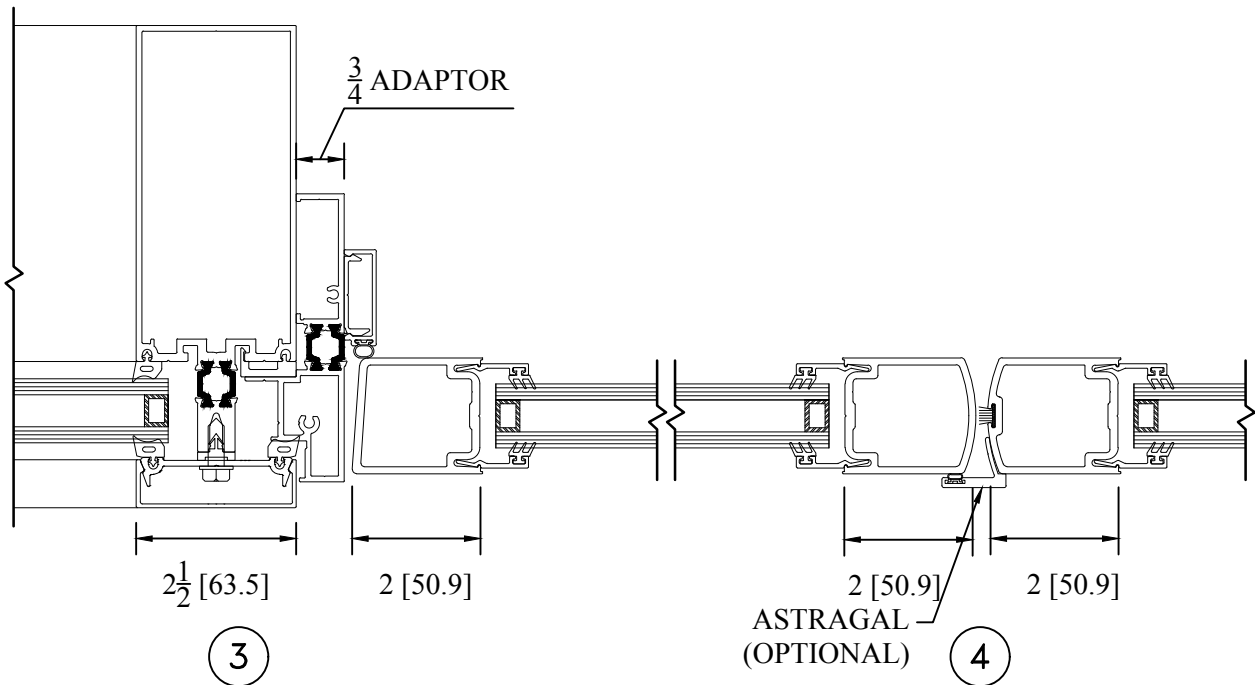


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TYPICAL STANDARD DOOR IN 5500 HTP C.W. DETAILS



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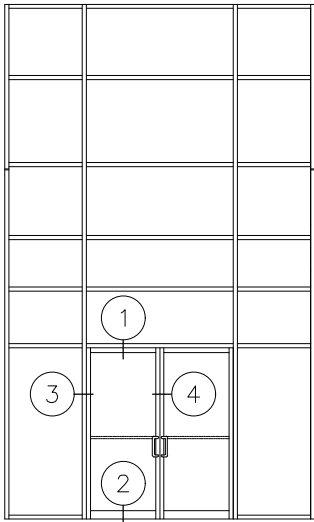


OPTION: H.T.P. CURTAIN WALL
FLUSH ADAPTOR

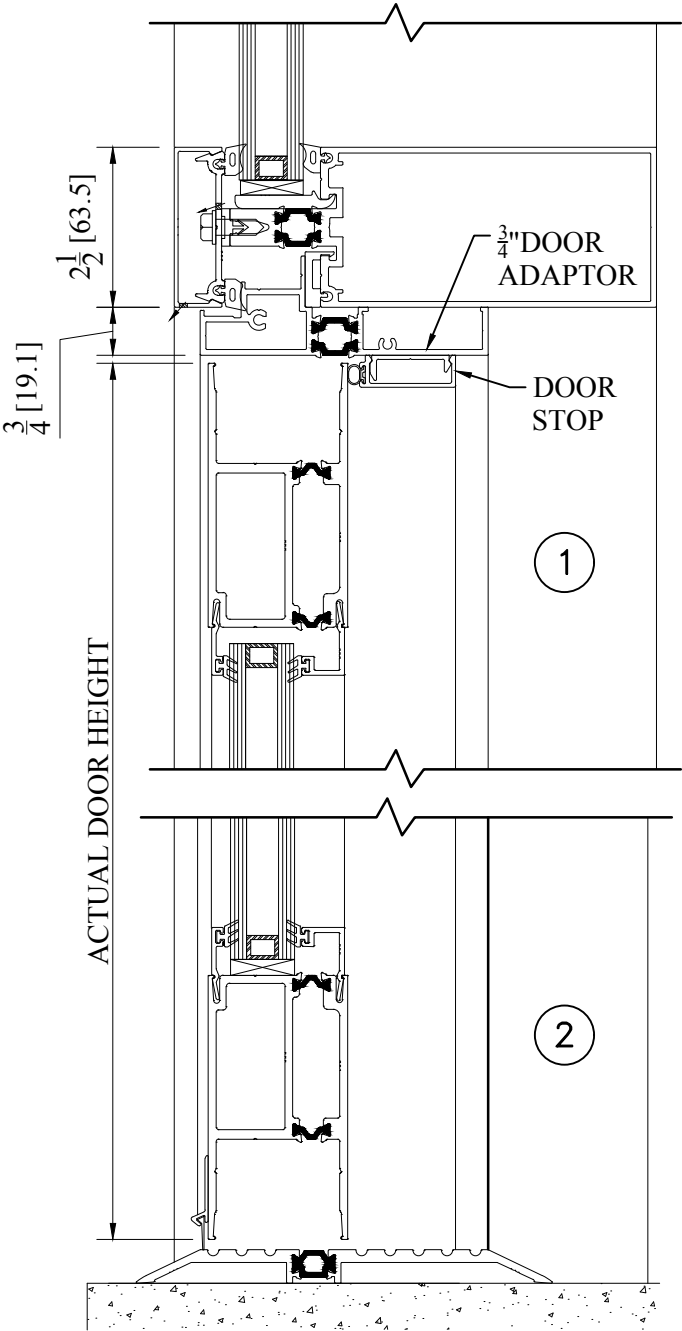
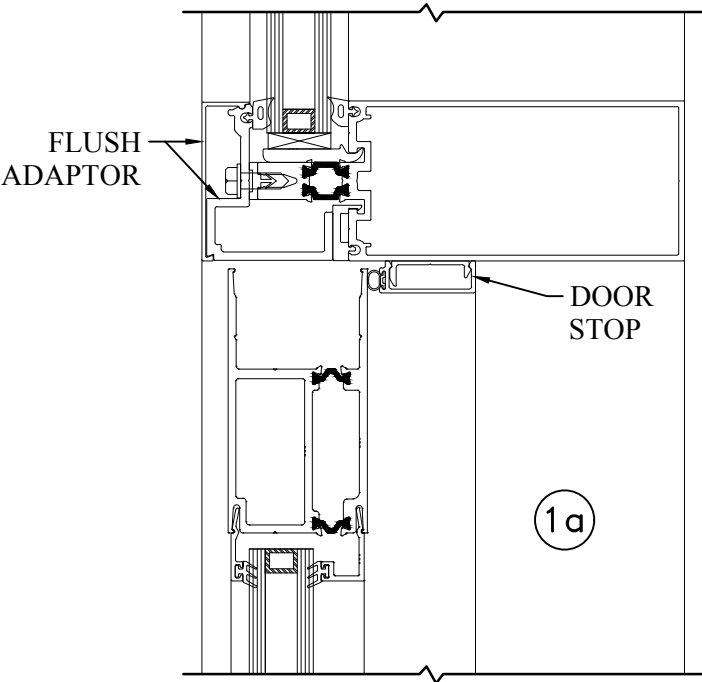
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HTP DOOR DETAILS IN 5500 HTP C.W.



OPTION: H.T.P CURTAIN WALL
FLUSH ADAPTOR

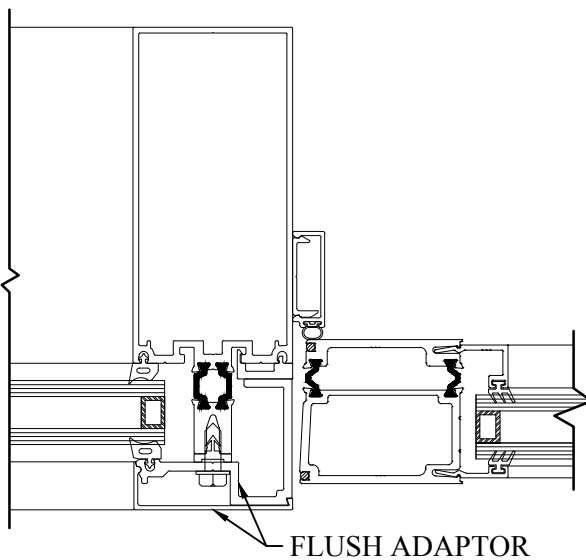
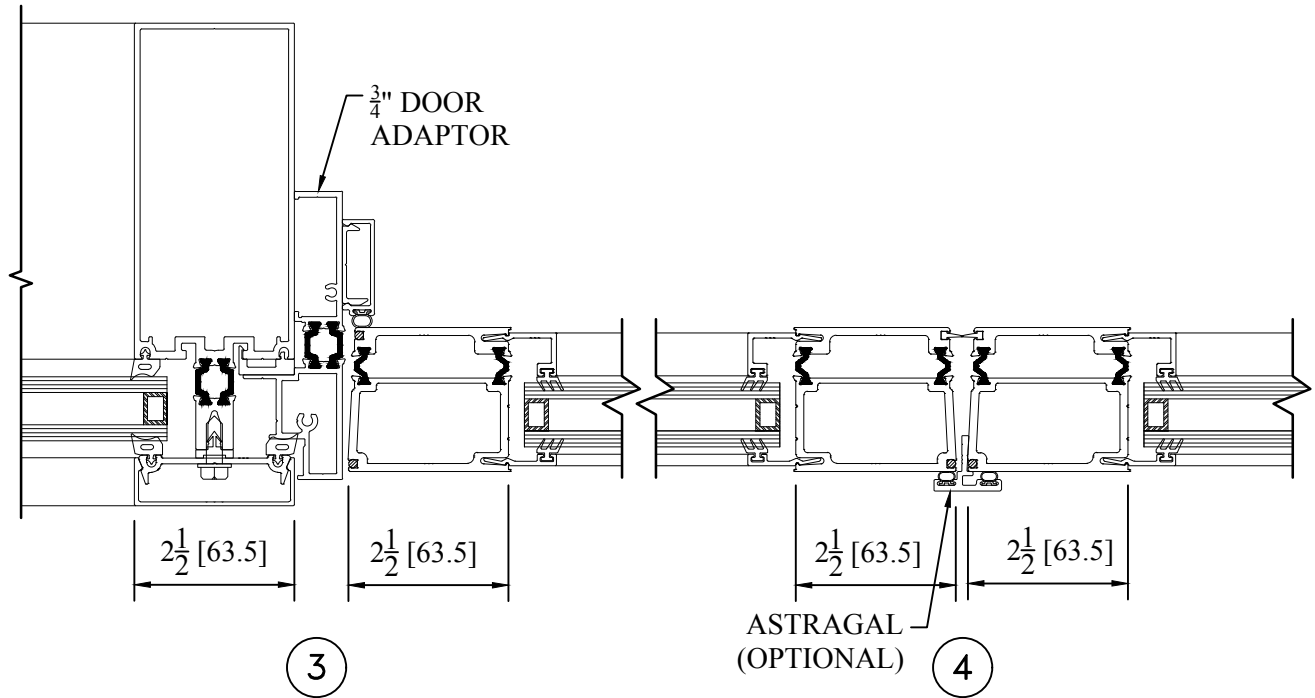


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TYPICAL HTP DOOR IN 5500 HTP C.W. DETAILS

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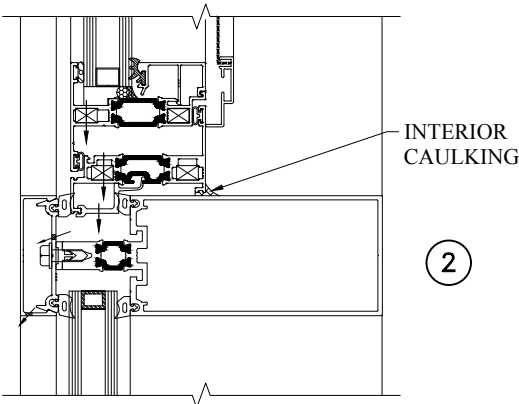
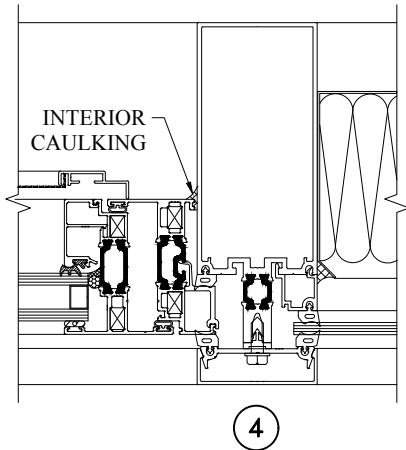
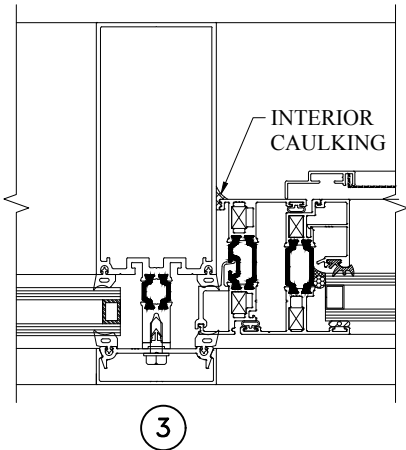
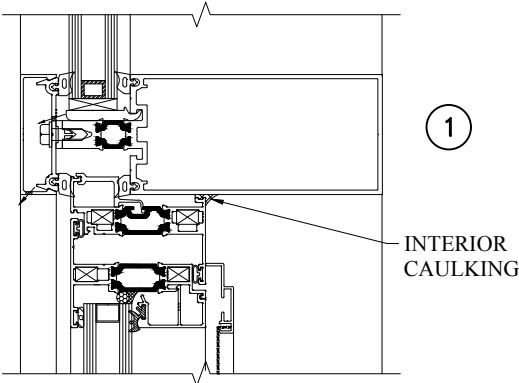
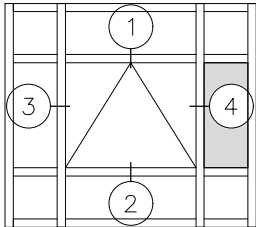


OPTION: H.T.P CURTAIN WALL
FLUSH ADAPTOR

3a

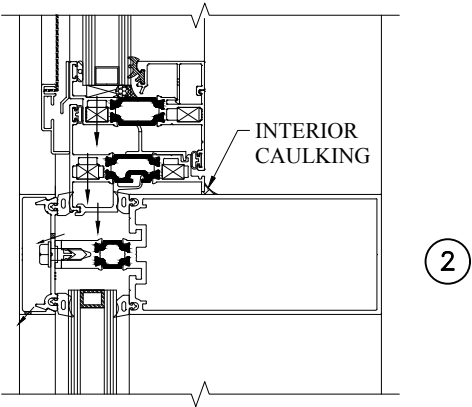
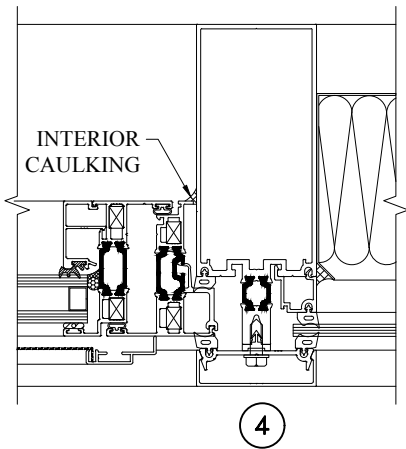
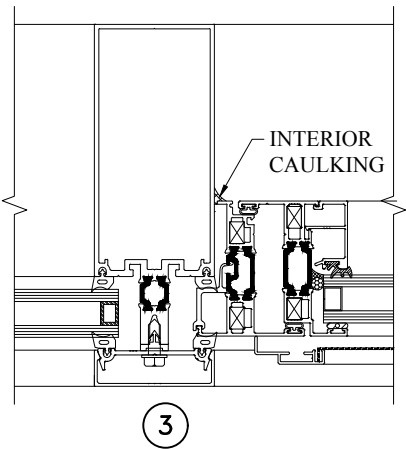
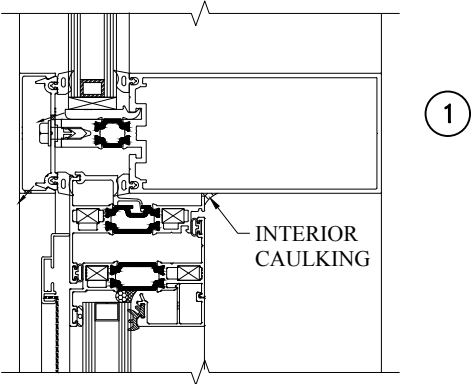
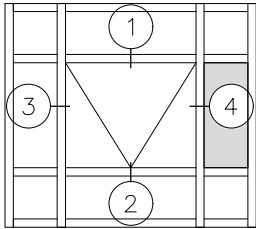
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535 PROJECT-OUT VENT DETAILS



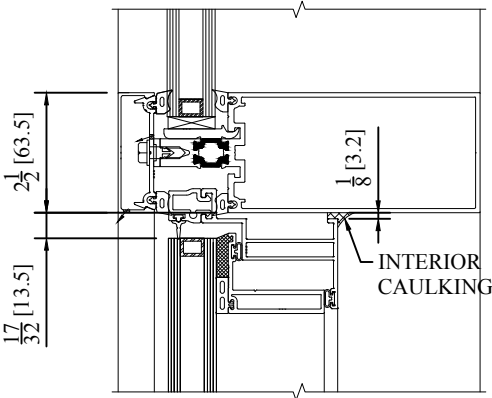
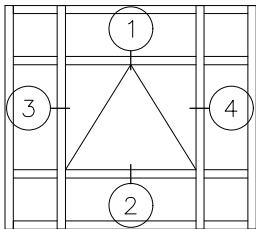
5500 HTP SERIES

535 PROJECT-IN VENT DETAILS

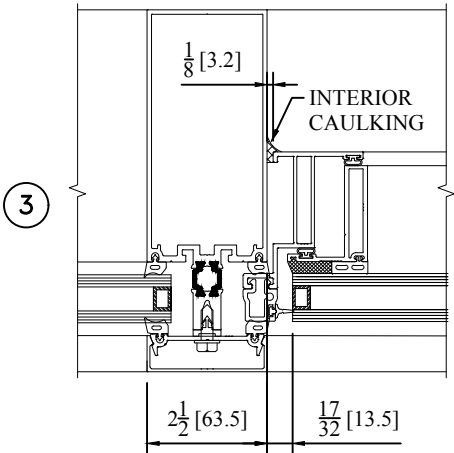


5500 HTP SERIES

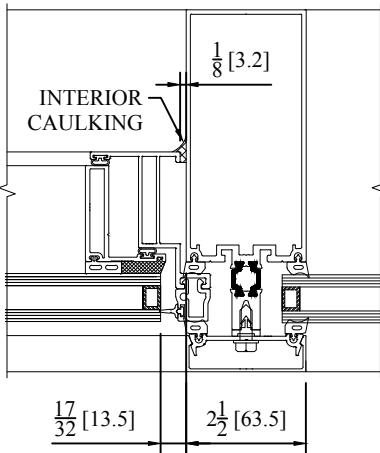
575 VENT DETAILS IN 5500 HTP C.W.



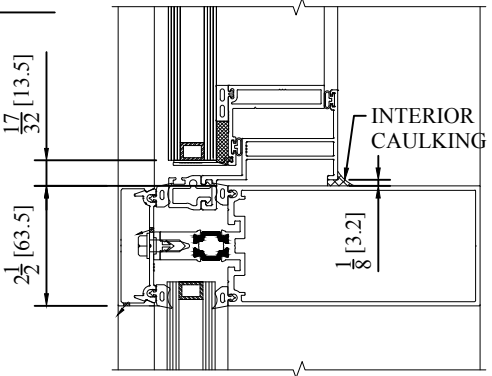
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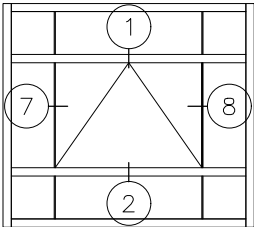
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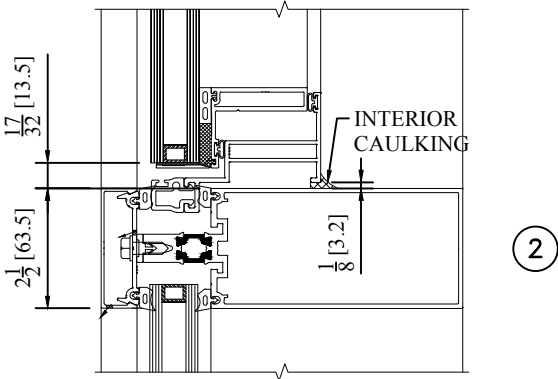
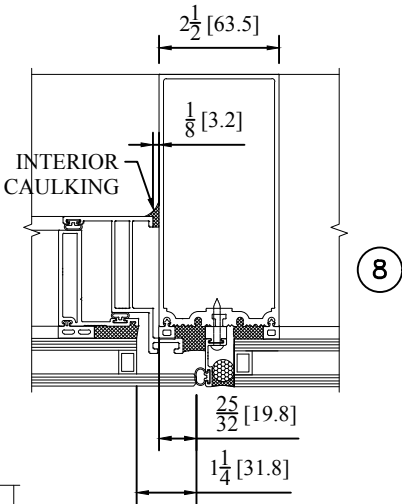
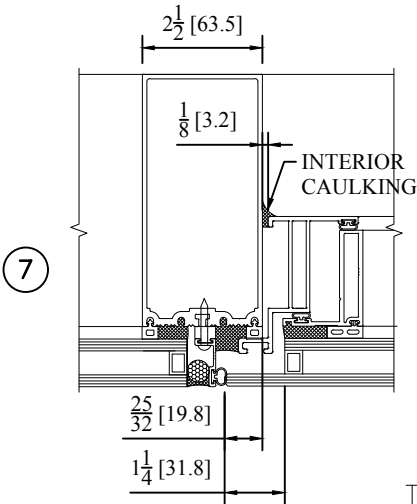
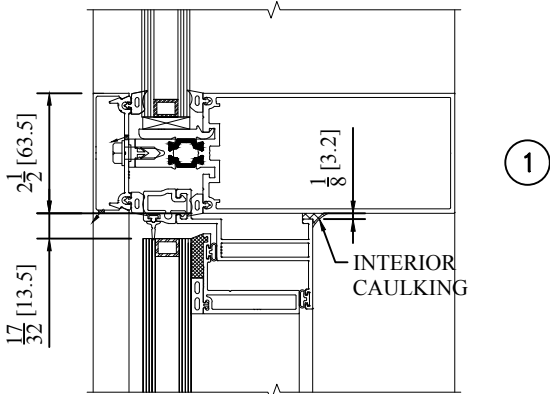
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575 VENT DETAILS IN 5500 HTP/SSG C.W.

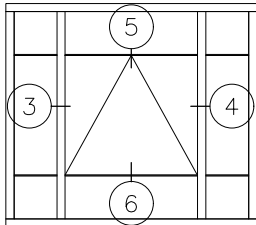


SSG VERTICAL ONLY

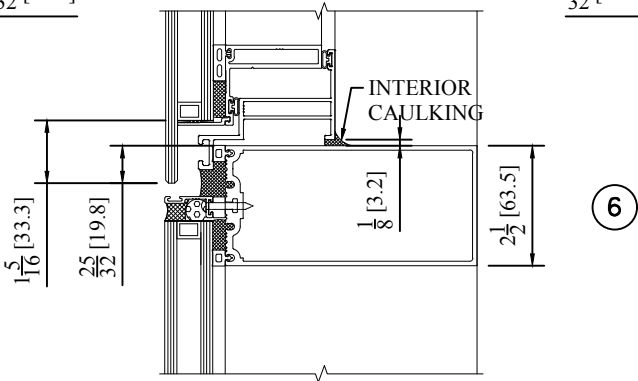
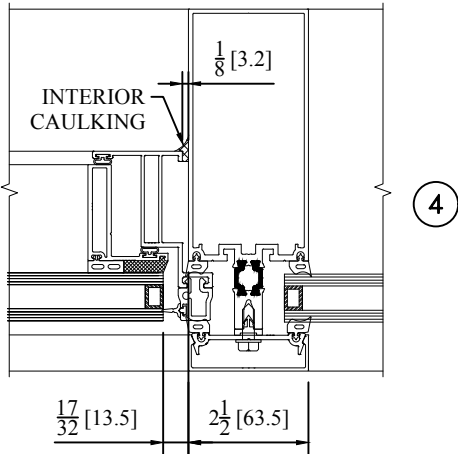
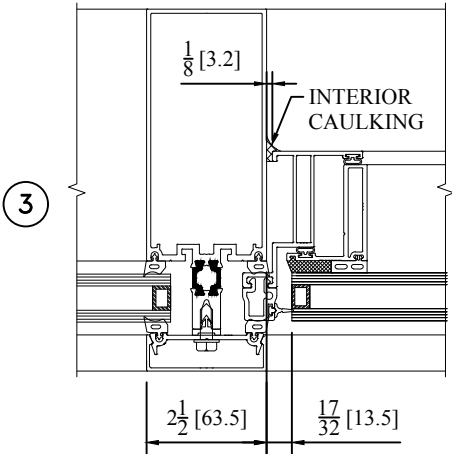
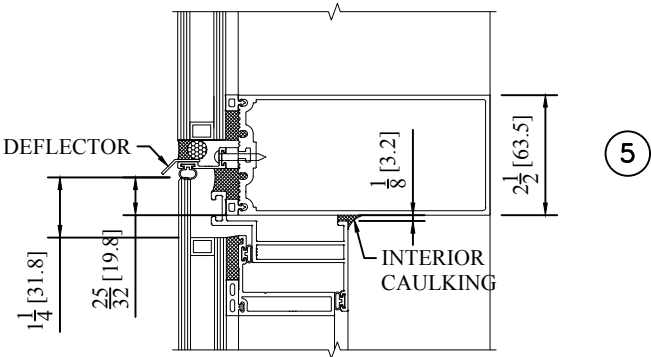


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575 VENT IN 5500 HTP/SSG C.W. DETAILS

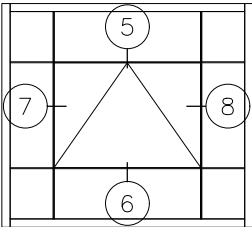


SSG HORIZONTAL ONLY

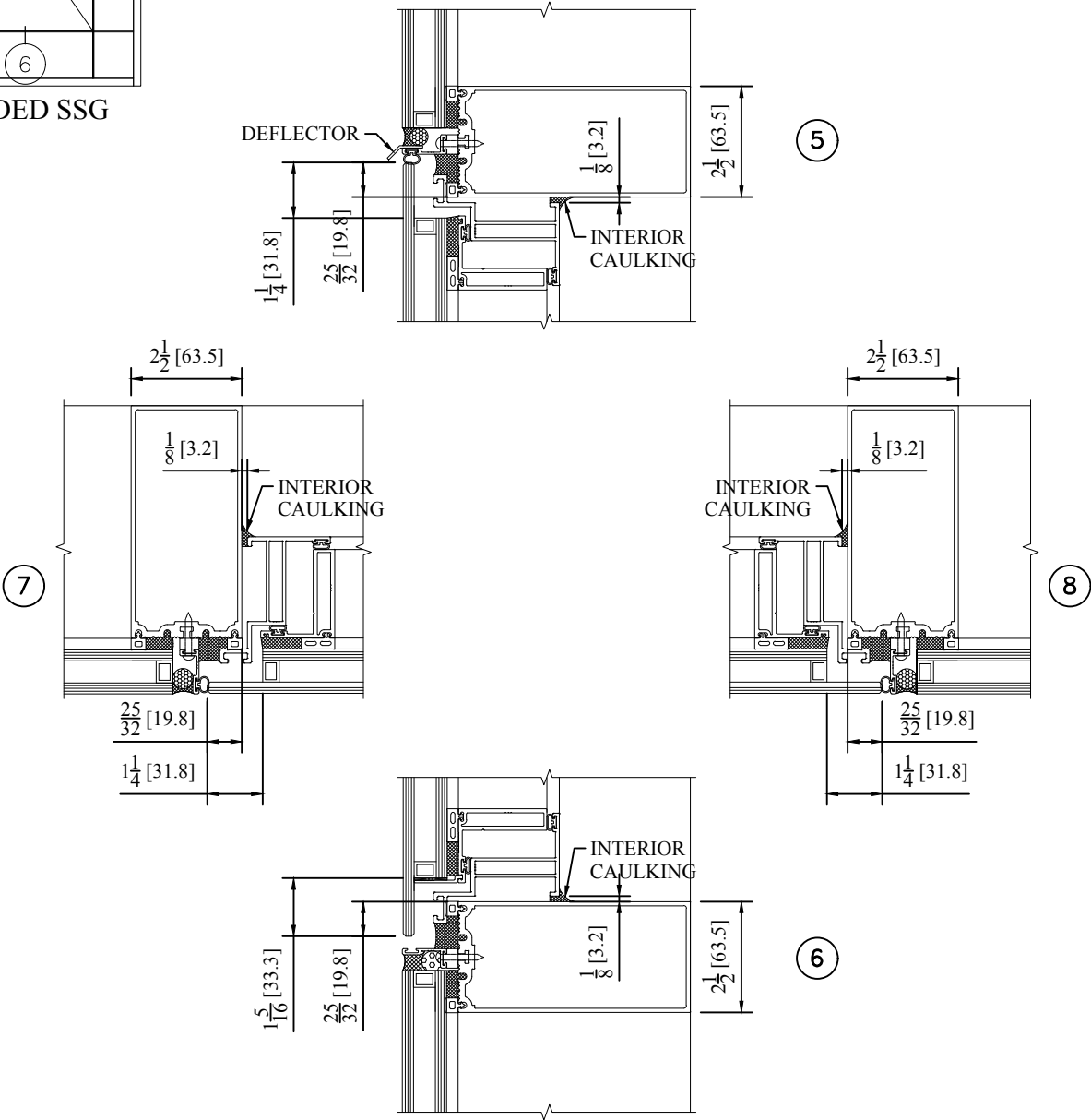


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575 VENT IN 5500 HTP/SSG C.W. DETAILS

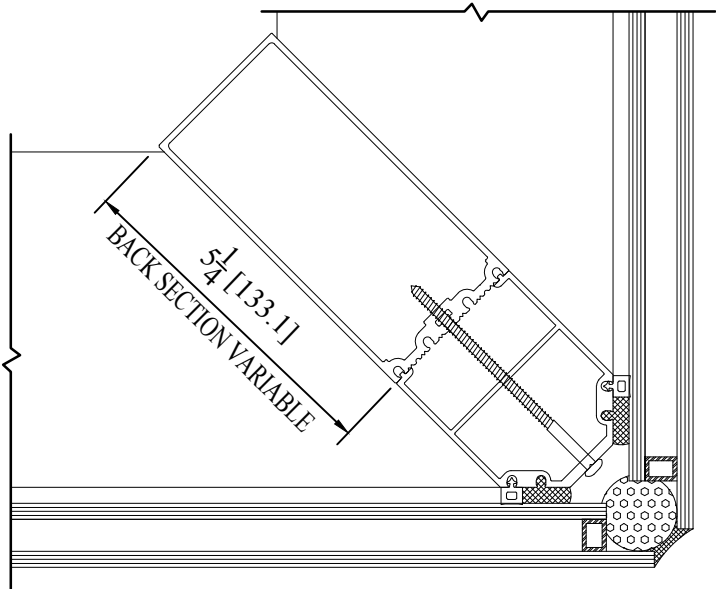
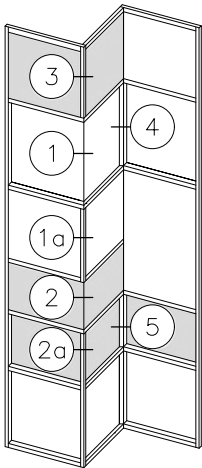


4 SIDED SSG

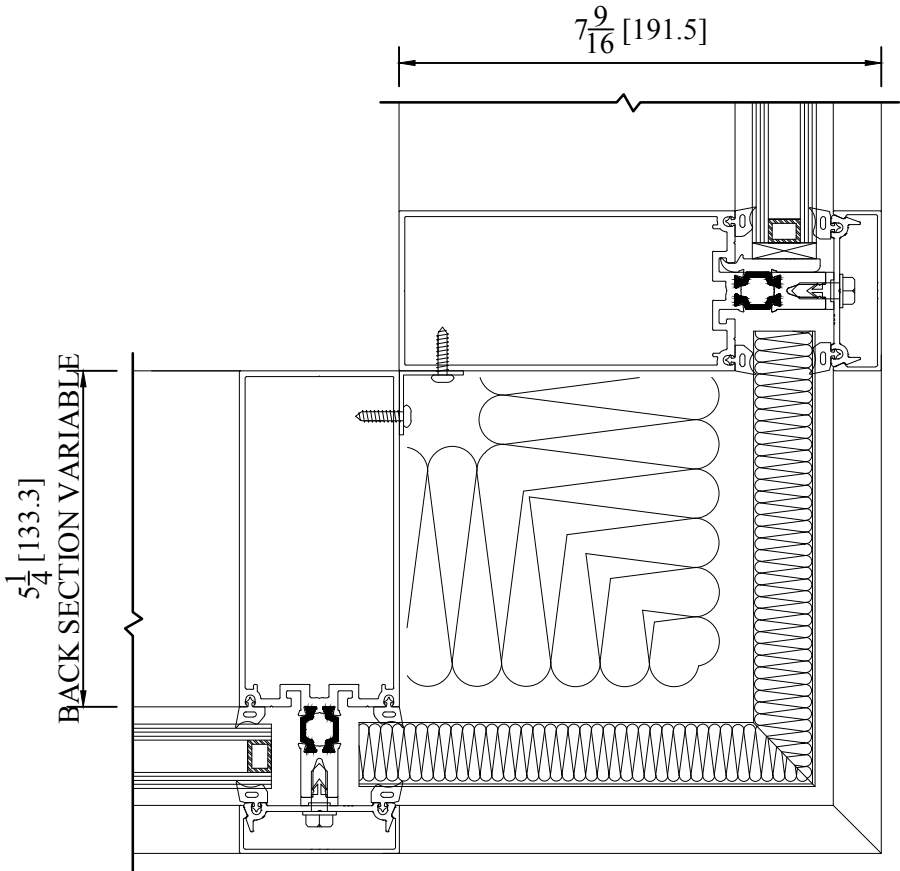


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90 DEGREE CORNER TYPICAL DETAILS



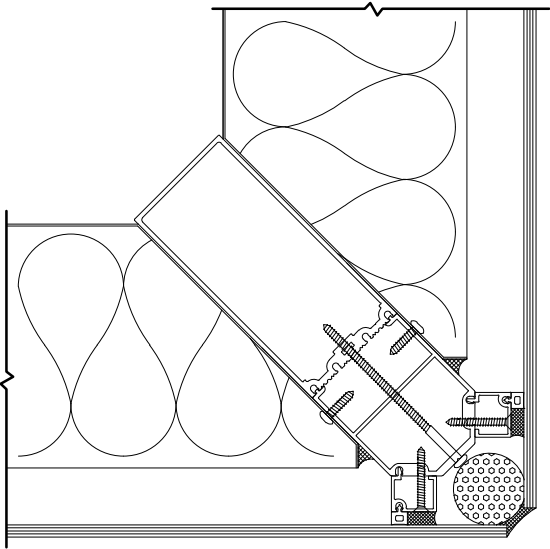
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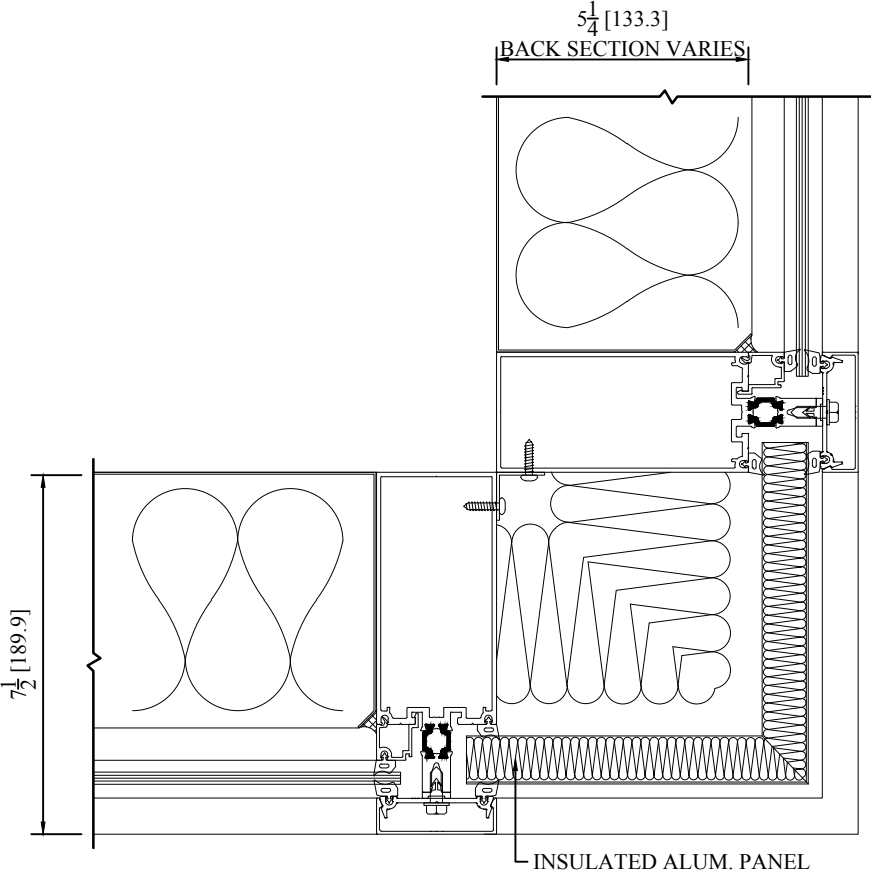
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5500 HTP SERIES

90 DEGREE CORNER TYPICAL DETAILS



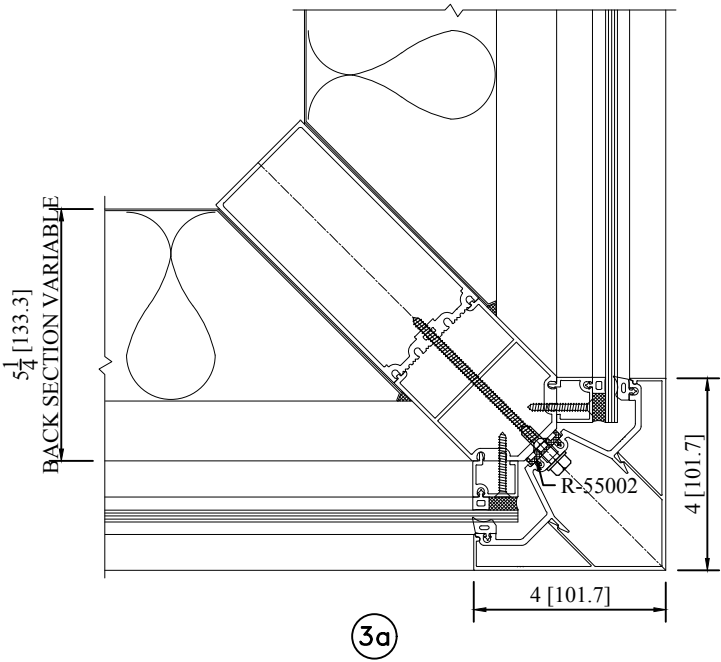
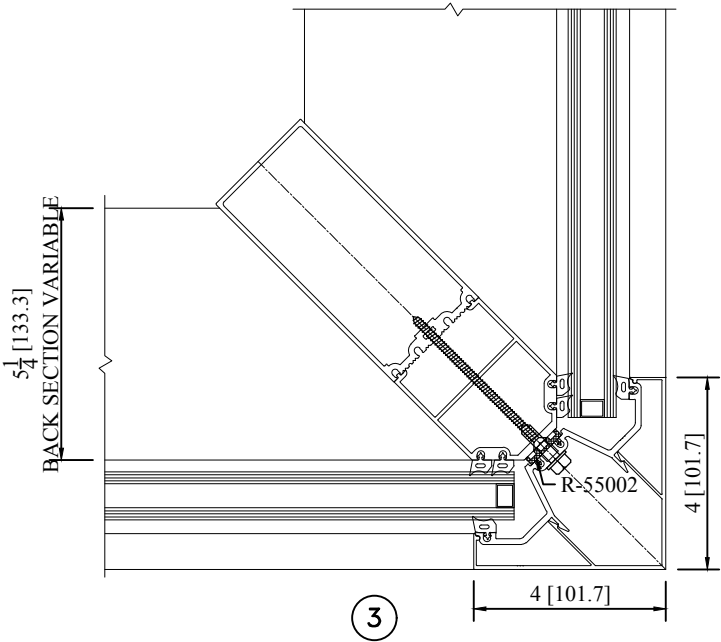
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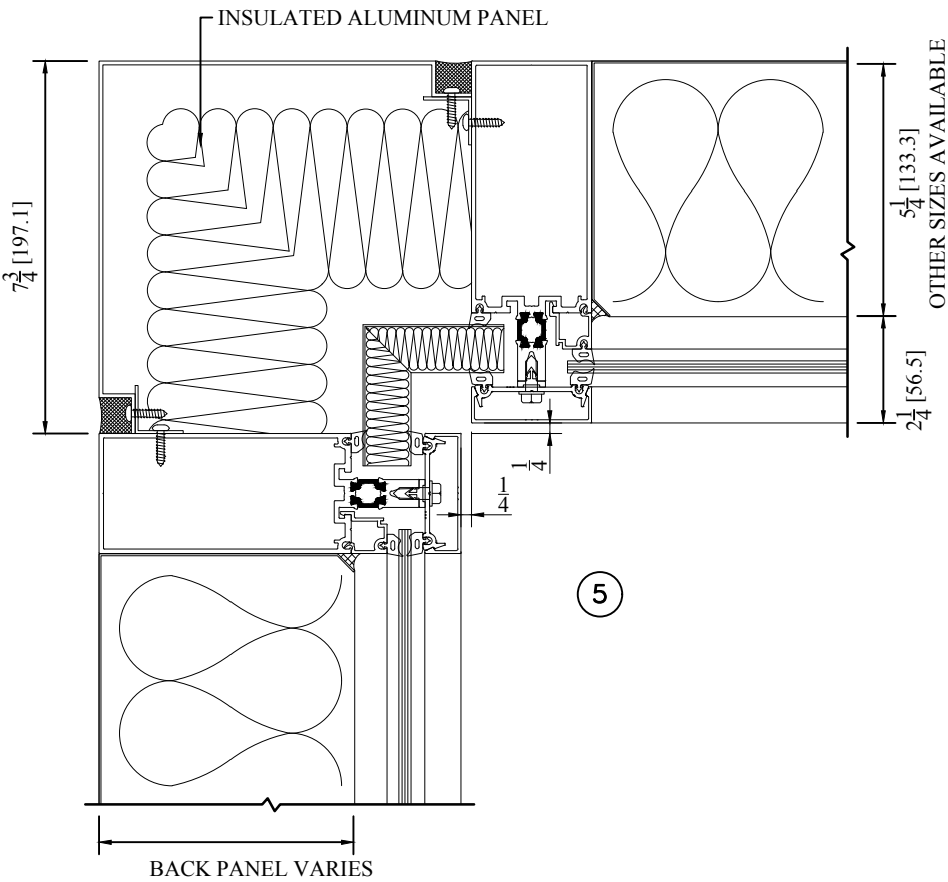
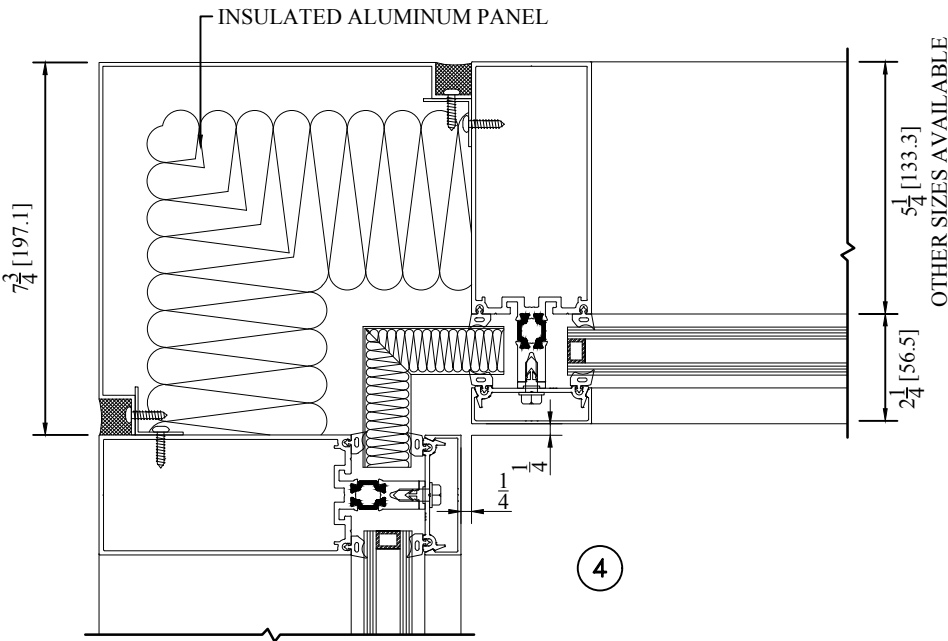
5500 HTP SERIES

90 DEGREE CORNER TYPICAL DETAILS



5500 HTP SERIES

90 DEGREE CORNER TYPICAL DETAILS



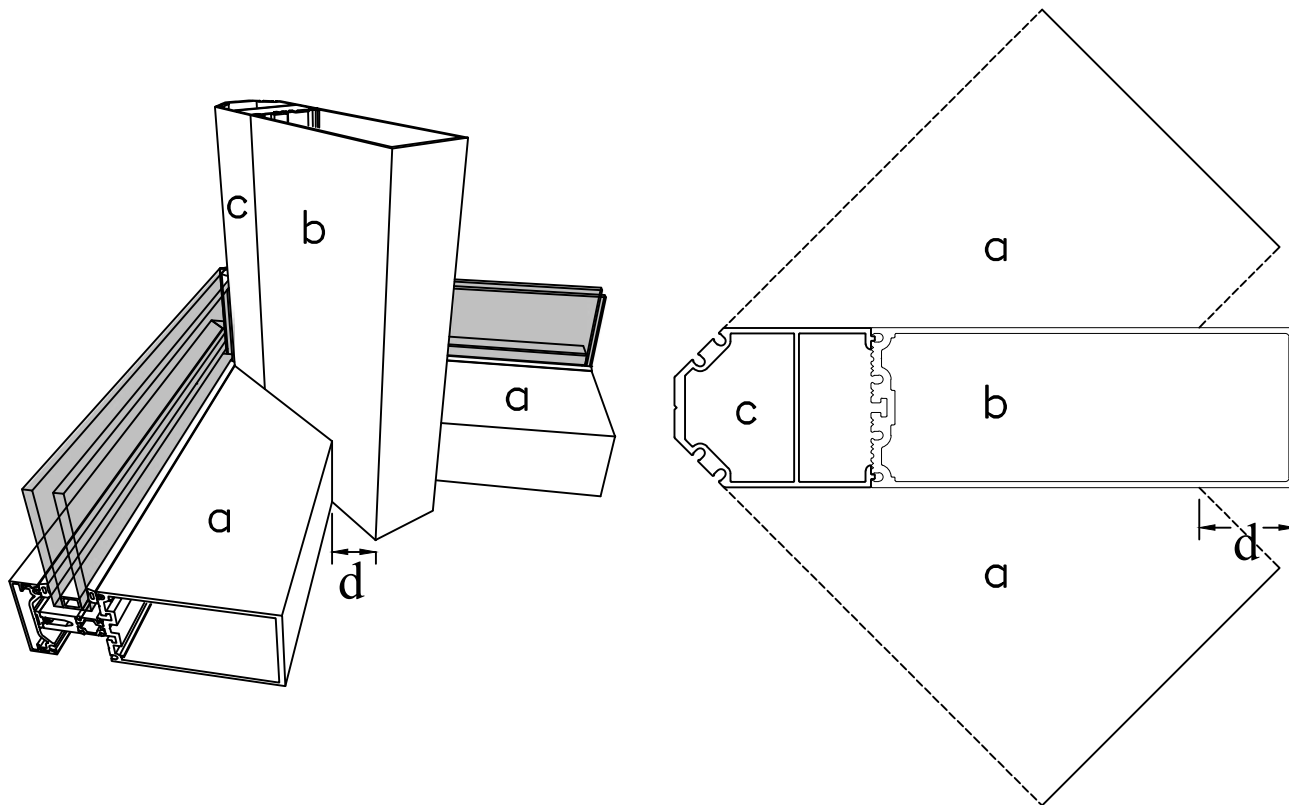
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SSG CORNER MULLION COMPATIBILITY CHART



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Mullion (a)	Diagonal Mullion (b)	Adaptor (c)	Overhang (d)
2 ⁷ / ₈ " CA-55201	2 ⁷ / ₈ " C-55042	4" C-55016	0.509"
3 ⁵ / ₈ " CA-55202	2 ⁷ / ₈ " C-55042	5 ¹ / ₂ " C-55009	0.048"
4" CA-55214	4" C-55047	4" C-55016	0.063"
5 ¹ / ₄ " CA-55203	5 ¹ / ₄ " C-55048	5 ¹ / ₄ " C-55009	0.125"
6 ⁵ / ₈ " CA-55215	5 ¹ / ₄ " C-55048	10" C-55209	0.31"
8" CA-55220	10" C-55050	4" C-55016	0.406"
10" CA-55222	10" C-55050	10" C-55209	0.018"

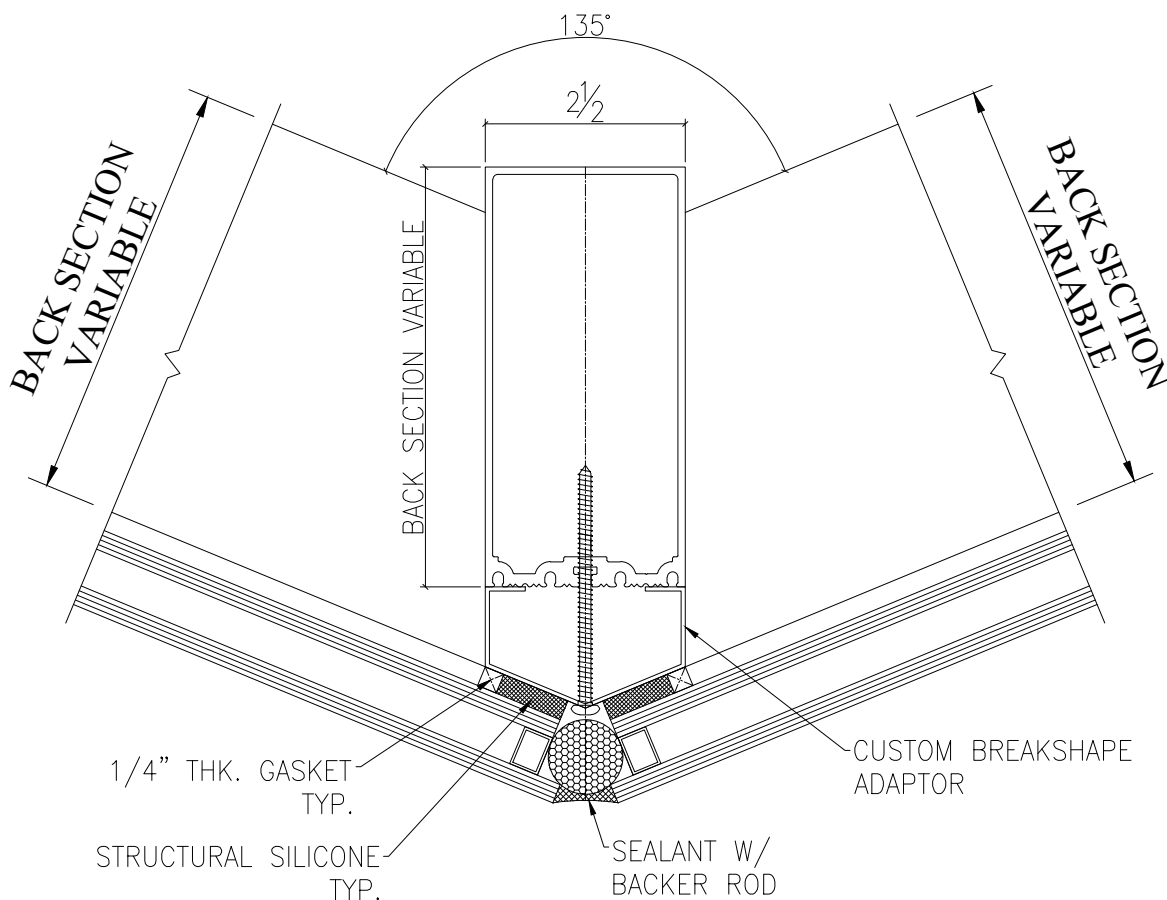


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135 DEGREE SSG CORNER MULLION DETAIL (DG)



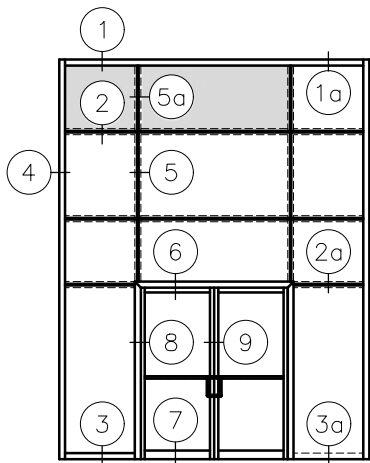
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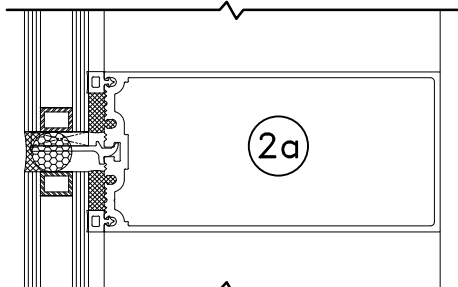
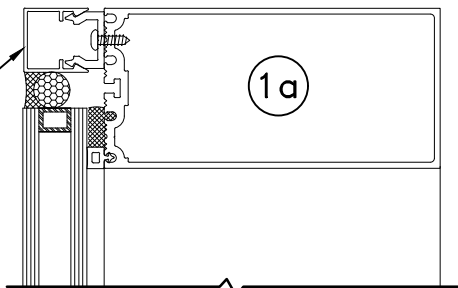
Notes: Custom angles are available, please contact sales representative to inquire.

5500 HTP SERIES

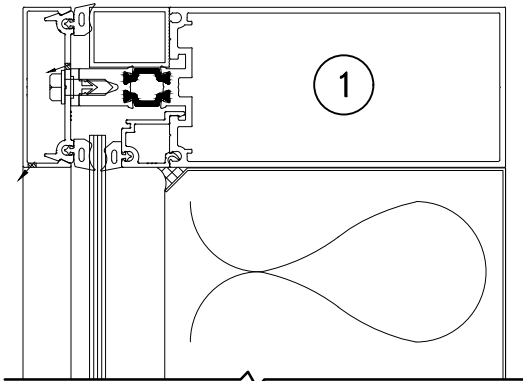
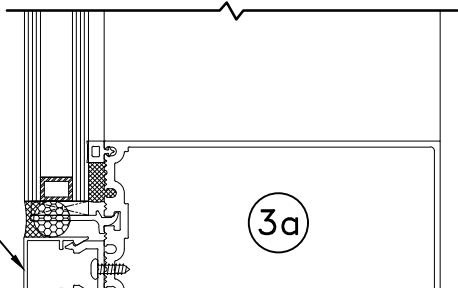
TYPICAL 5500 HTP/SSG DETAILS



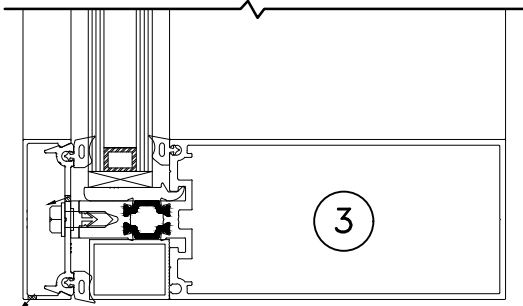
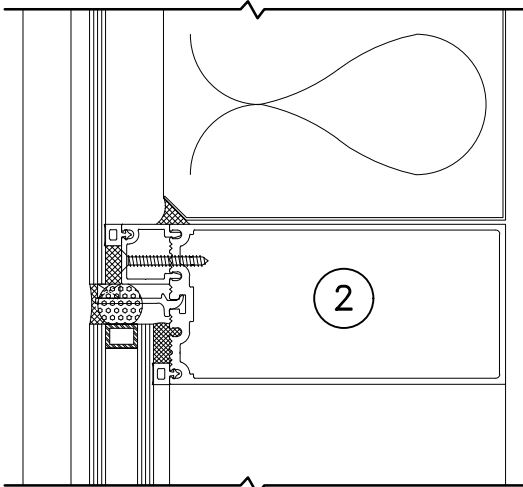
SSG Perimeter Mullion Trim



SSG Perimeter Mullion Trim

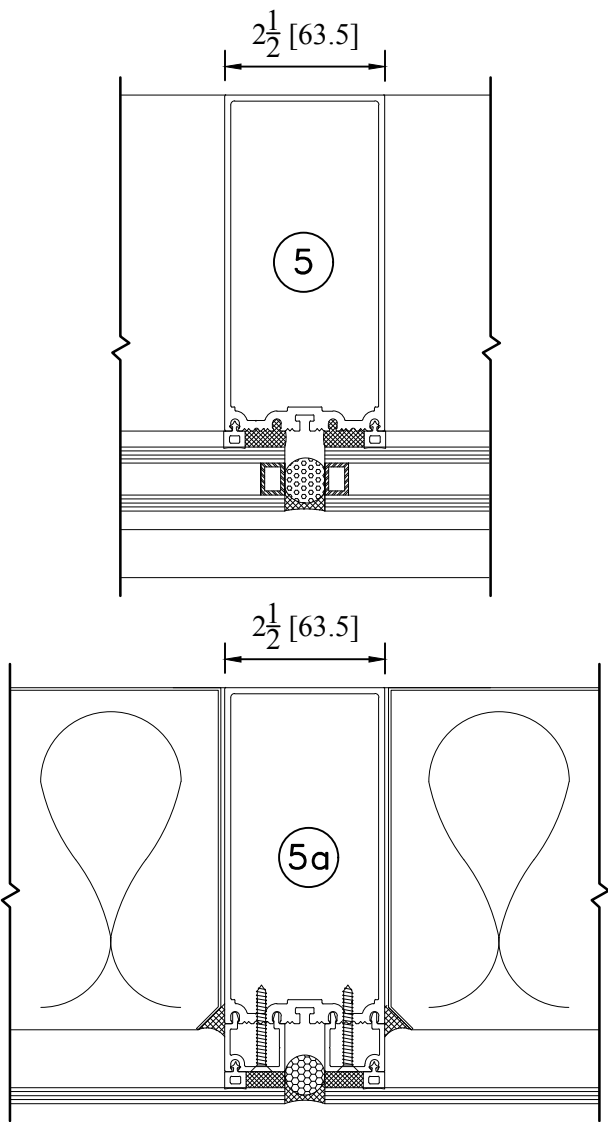
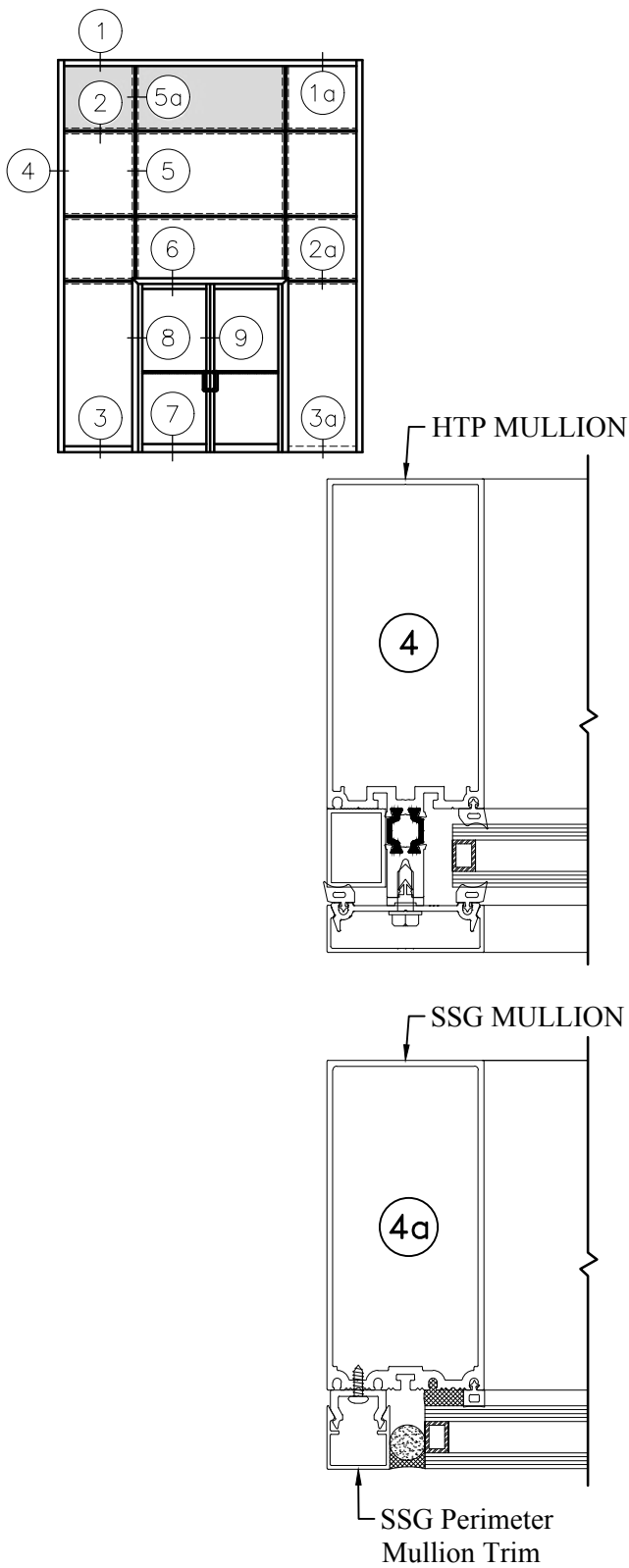


BACK PANEL



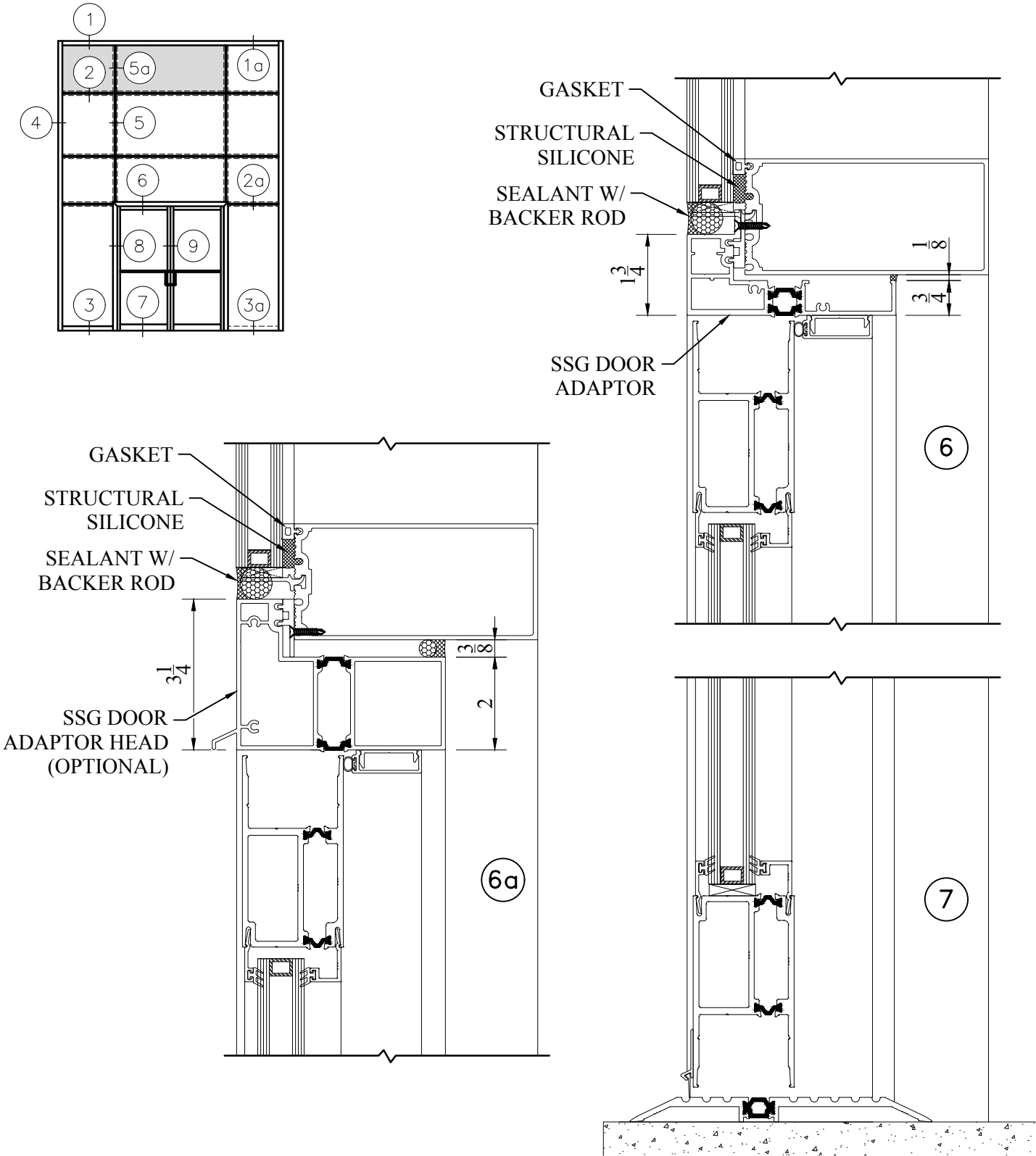
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TYPICAL 5500 HTP/SSG DETAILS



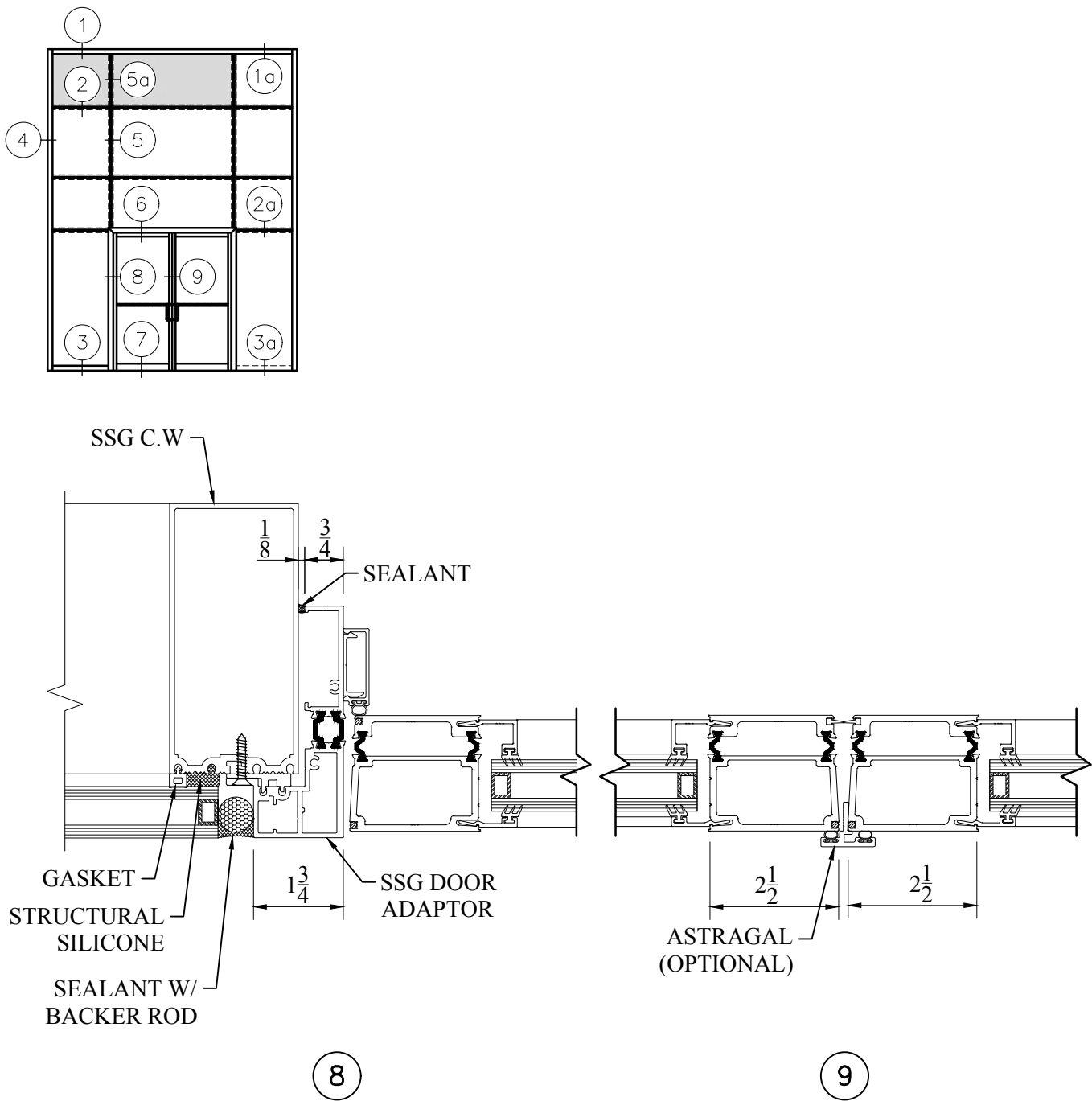
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TYPICAL SSG DOOR ADAPTOR



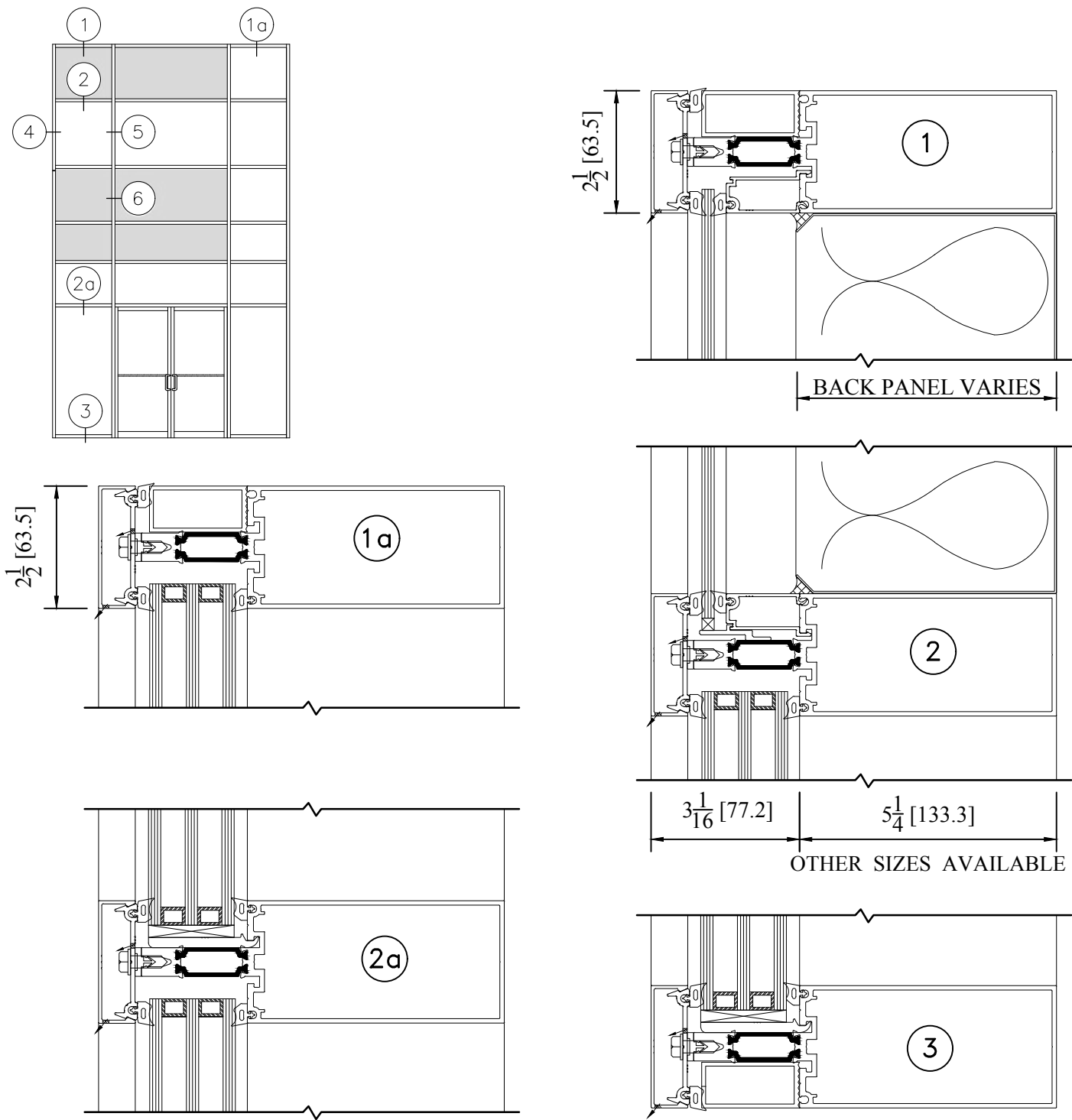
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TRIPLE GLAZED TYPICAL DETAILS



5500 HTP SERIES

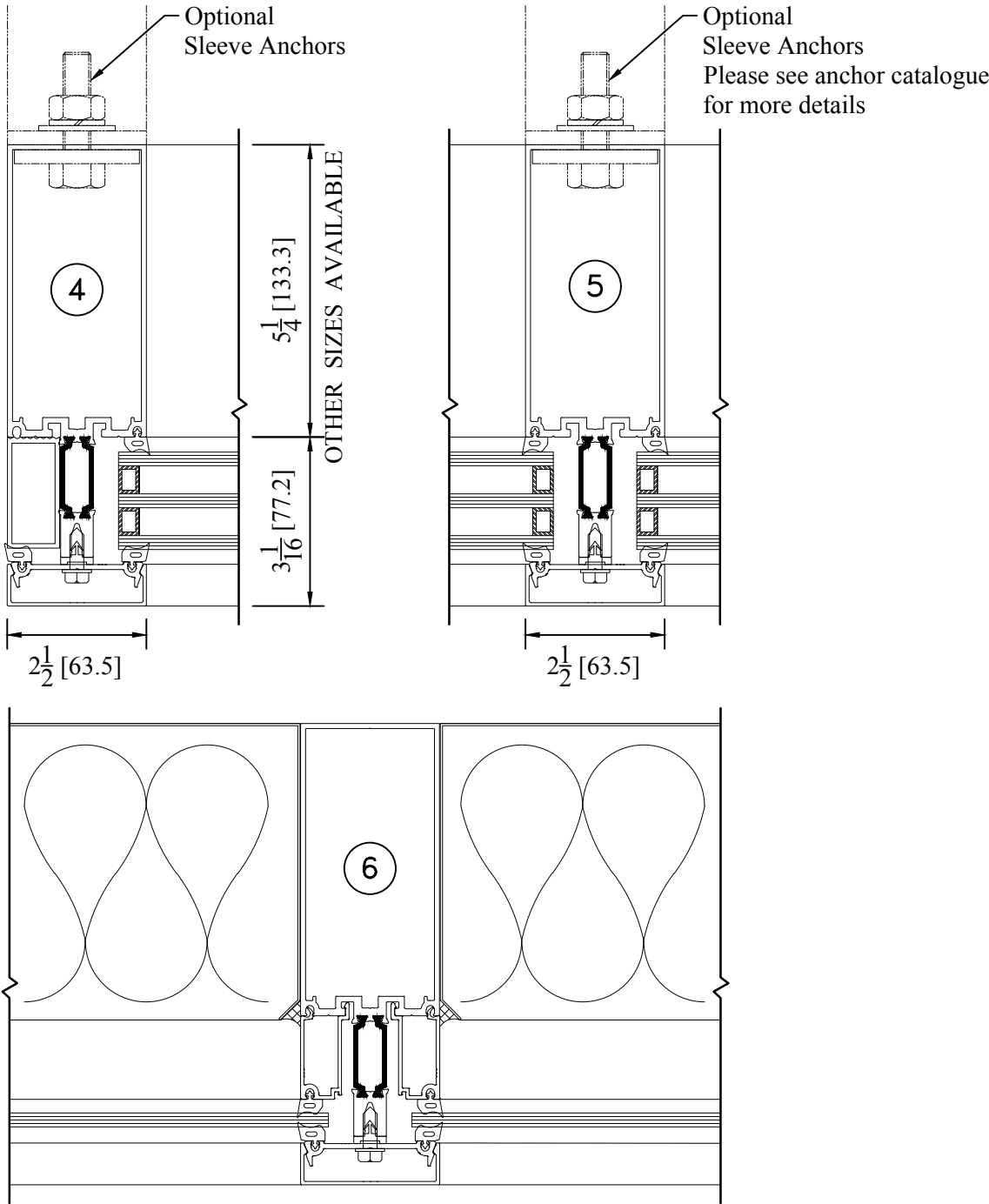
TRIPLE GLAZED TYPICAL DETAILS



5500 HTP SERIES

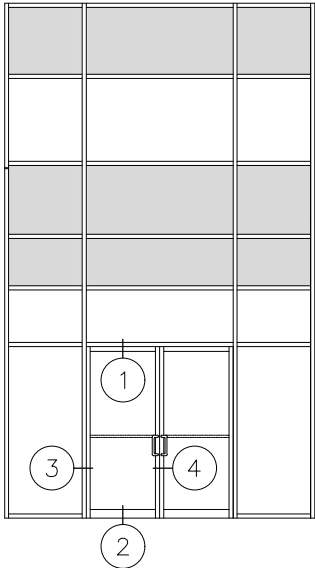


TYPICAL STANDARD DOOR IN TRIPLE GLAZED 5500 HTP C.W. DETAILS

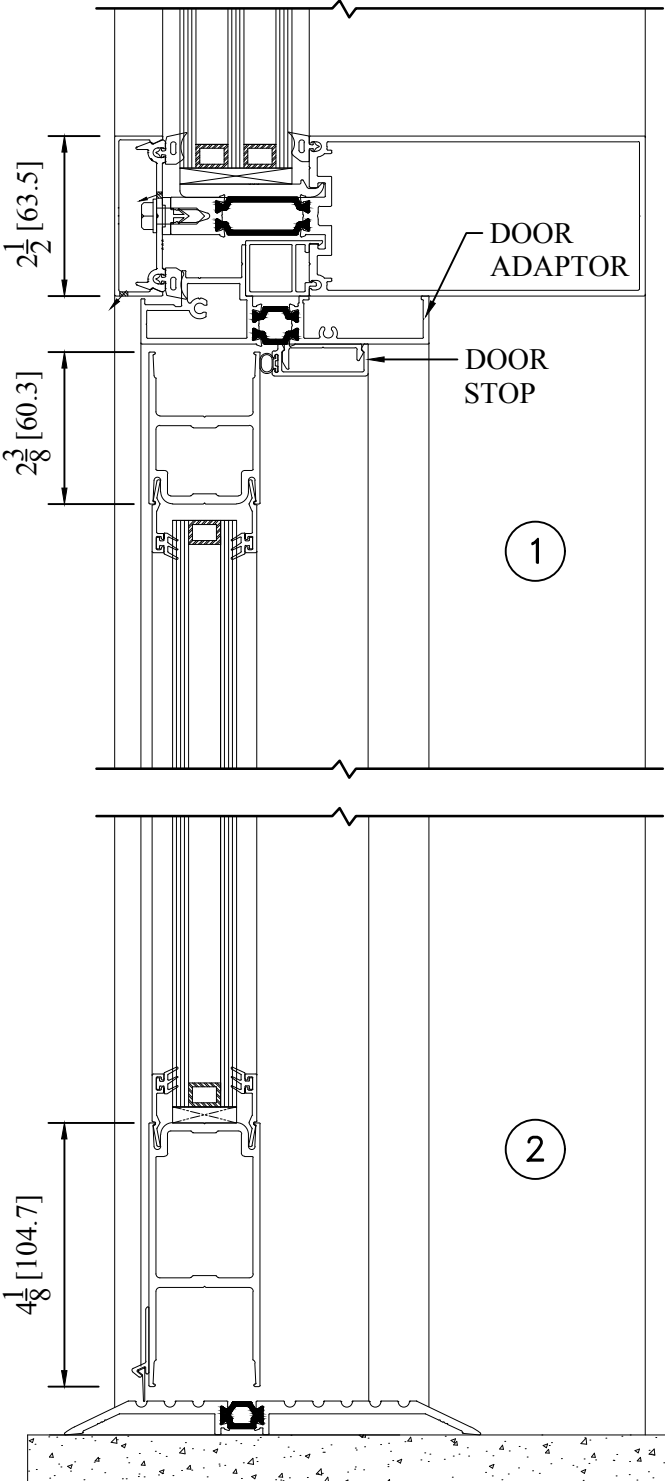
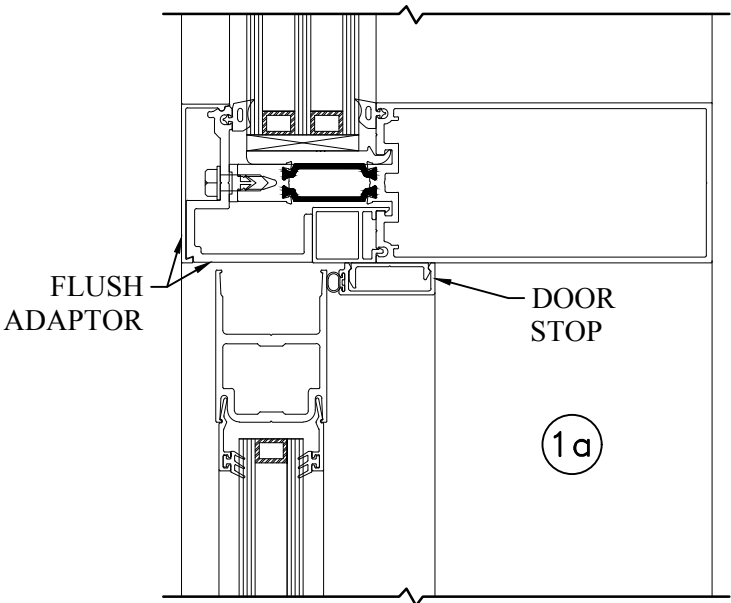


5500 HTP SERIES

TRIPLE GLAZED STANDARD DOOR DETAILS



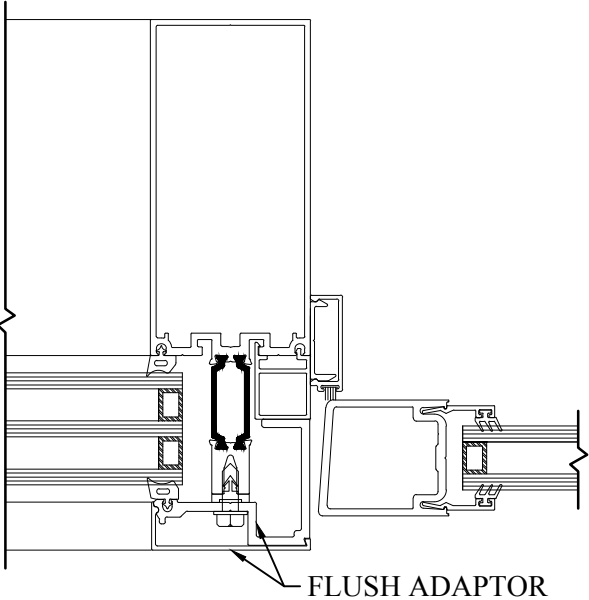
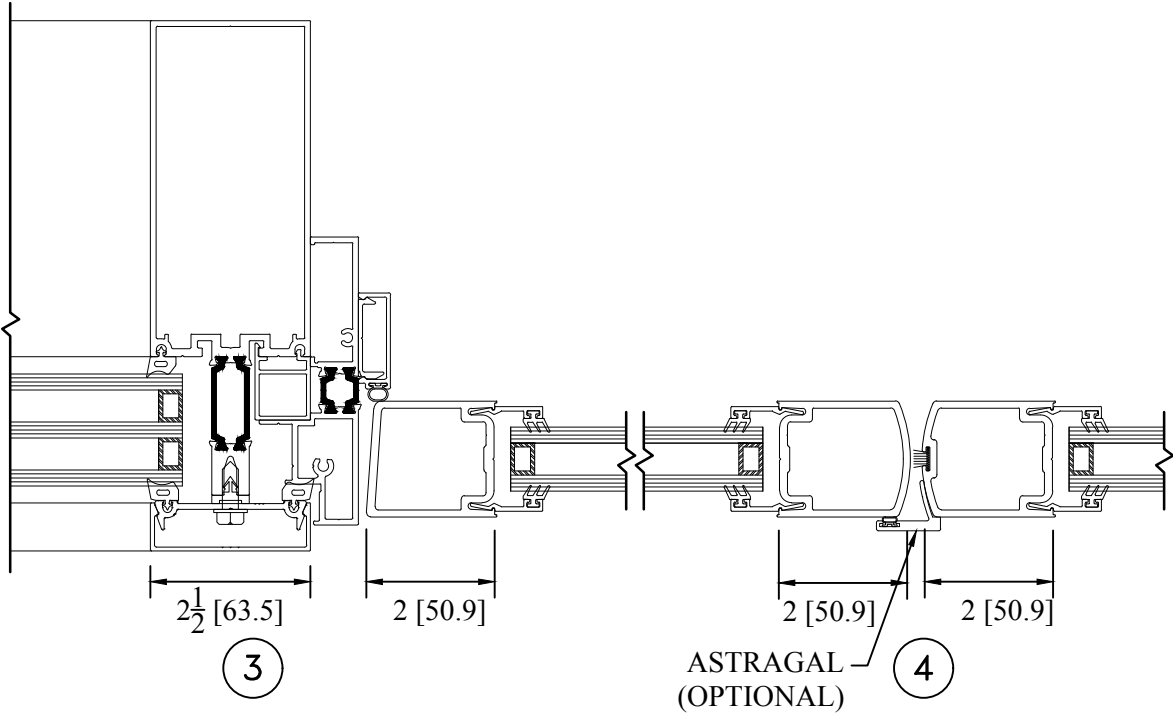
OPTION: H.T.P CURTAIN WALL
FLUSH ADAPTOR



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TYPICAL TRIPLE GLAZED HTP DOOR IN TRIPLE GLAZED 5500 HTP C.W. DETAILS

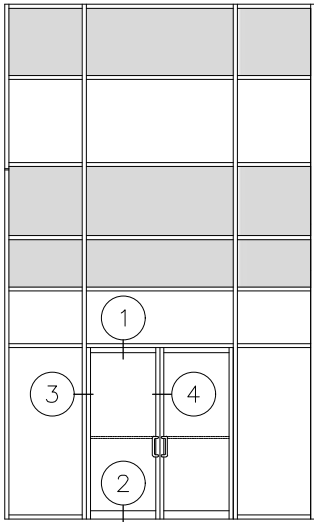


OPTION: H.T.P CURTAIN WALL
FLUSH ADAPTOR

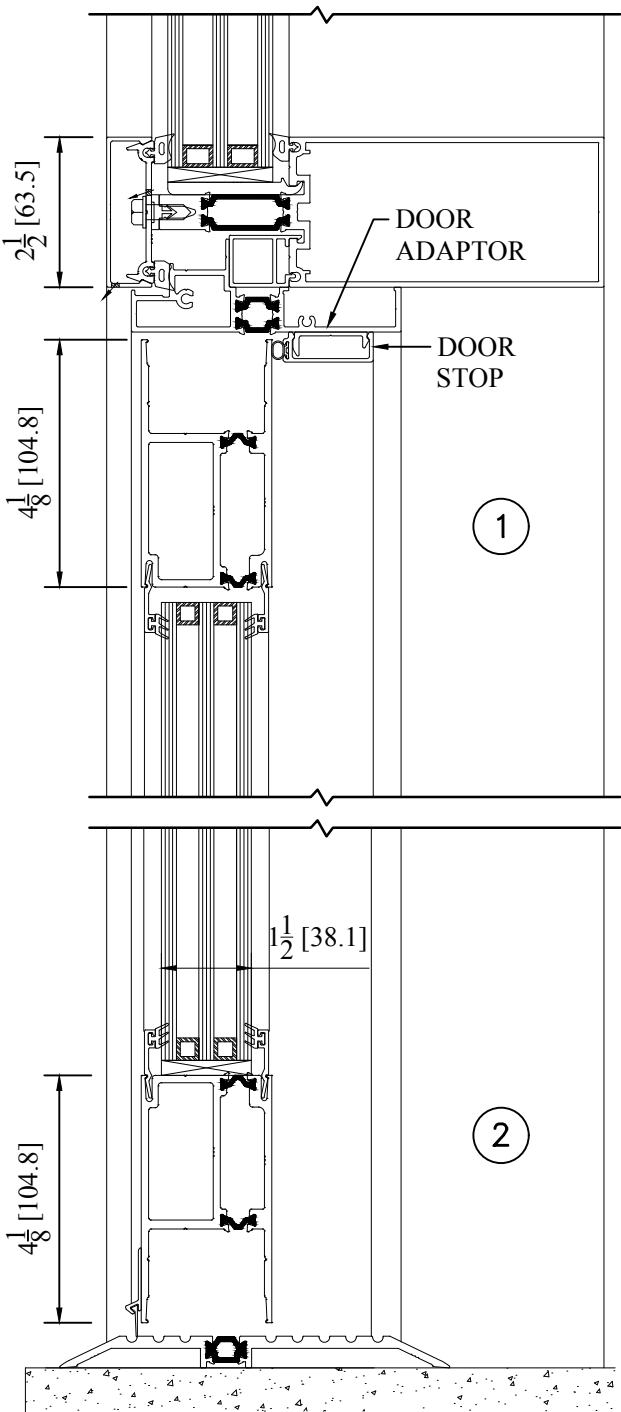
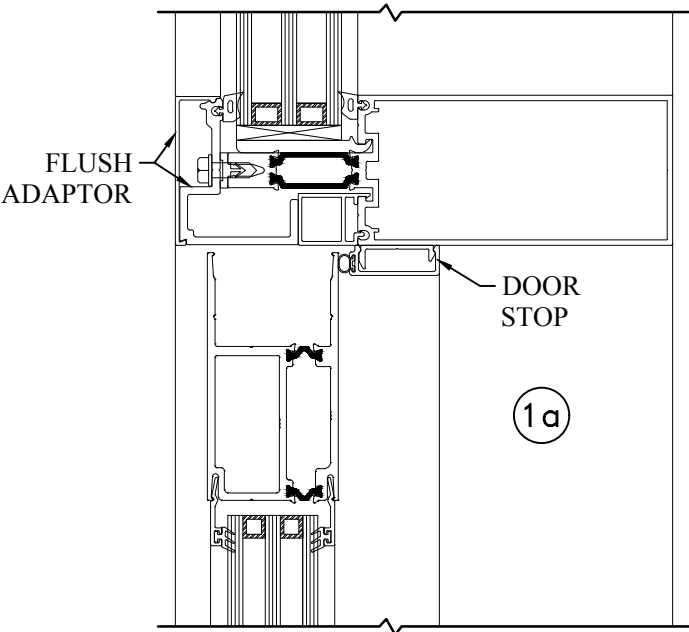
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TRIPLE GLAZED HTP DOOR DETAILS



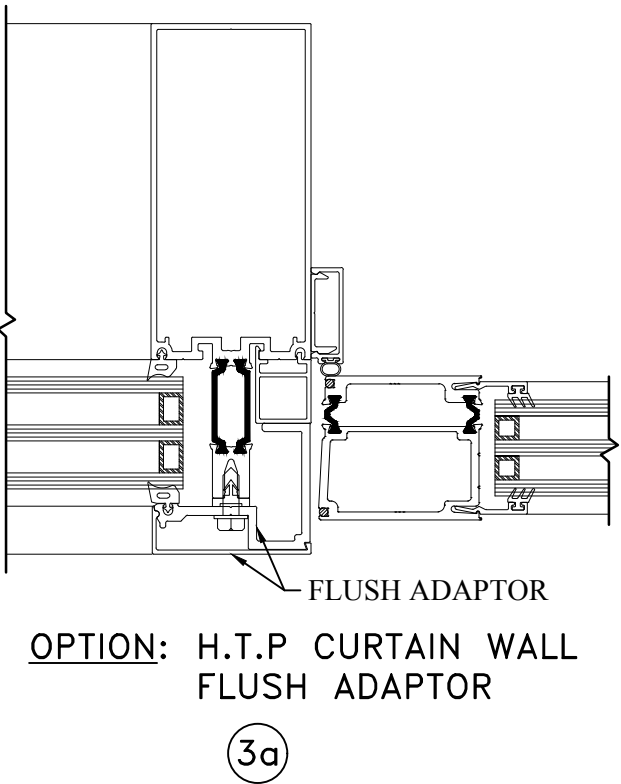
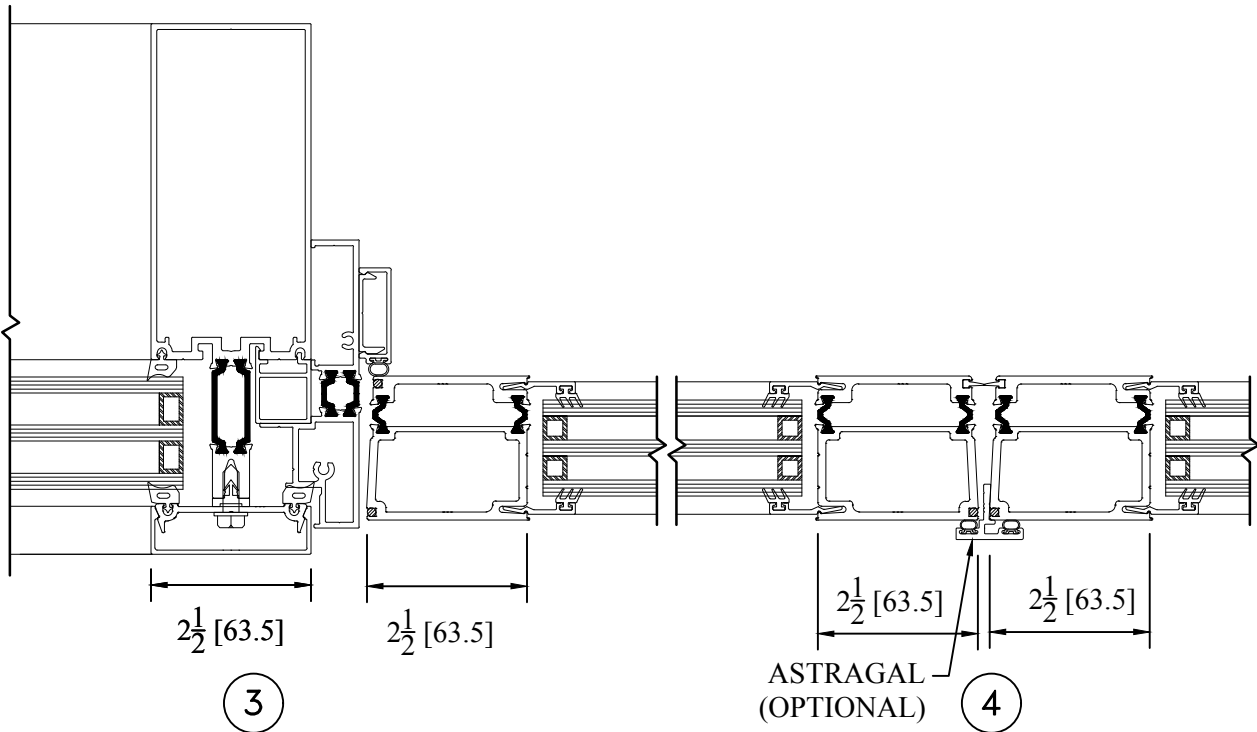
OPTION: H.T.P CURTAIN WALL
FLUSH ADAPTOR



5500 HTP SERIES

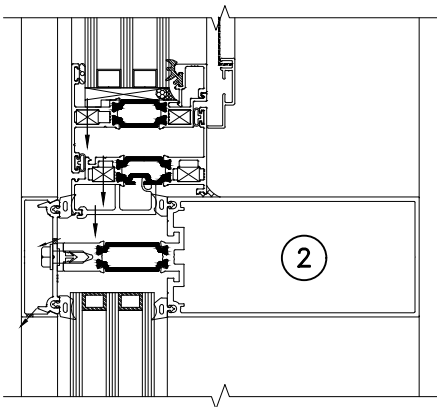
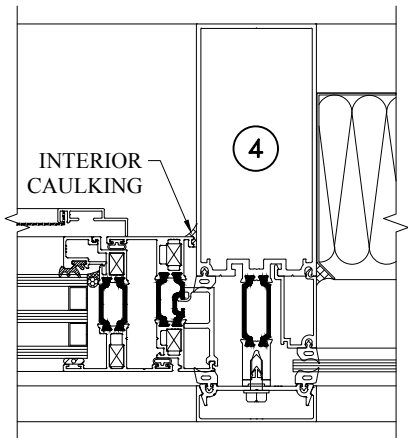
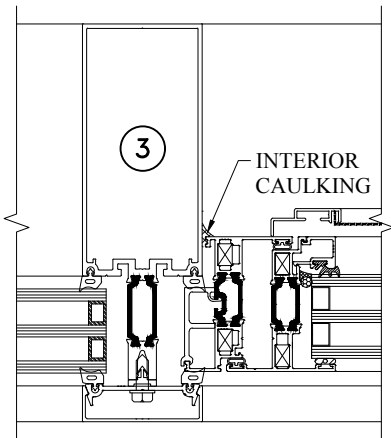
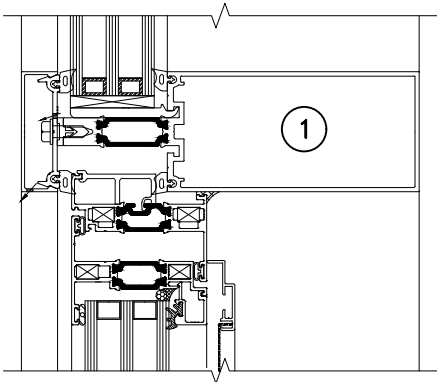
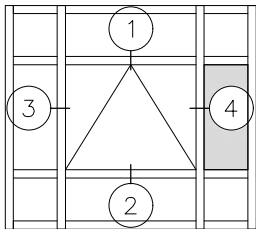


TRIPLE GLAZED 535 PROJECT-IN VENT IN
TRIPLE GLAZED 5500 HTP C.W. DETAILS



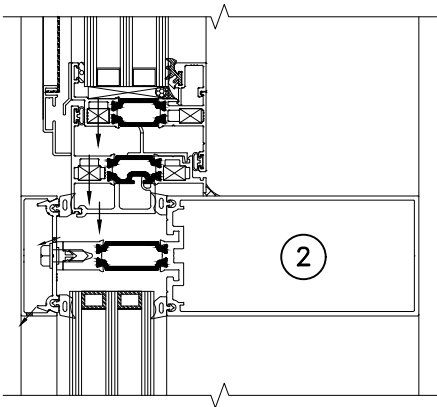
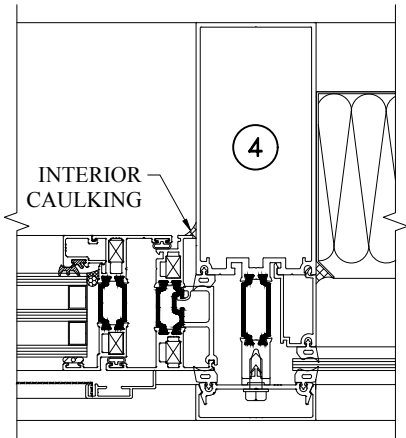
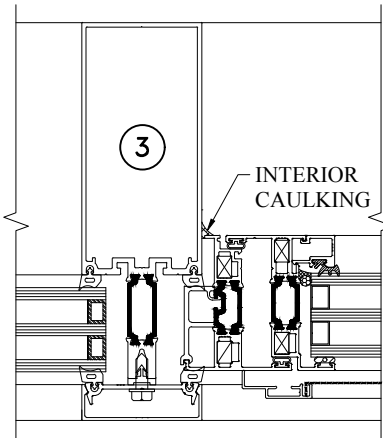
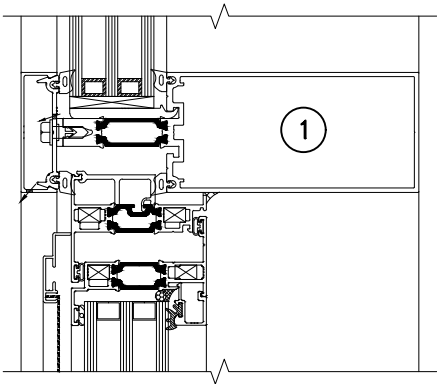
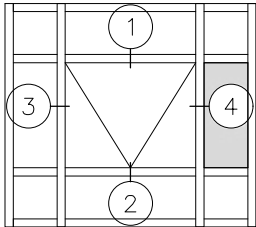
5500 HTP SERIES

TRIPLE GLAZED 535 PROJECT-OUT VENT DETAILS



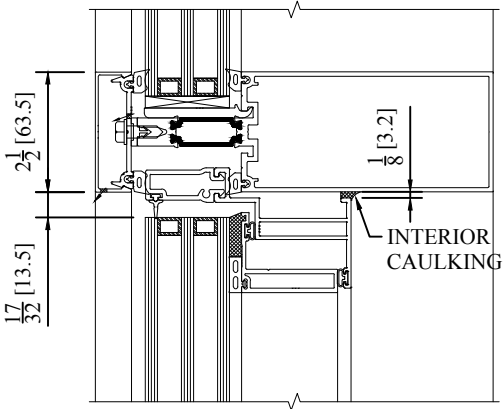
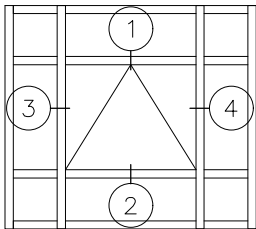
5500 HTP SERIES

TRIPLE GLAZED 535 PROJECT-IN VENT DETAILS

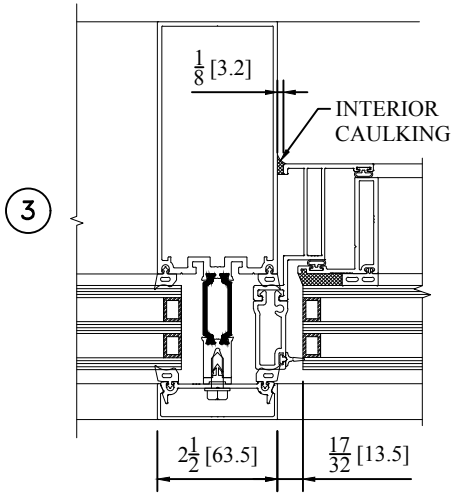


5500 HTP SERIES

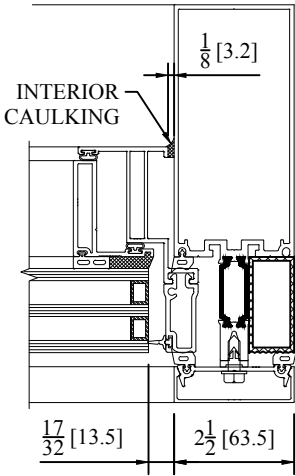
TRIPLE GLAZED 575 VENT DETAILS



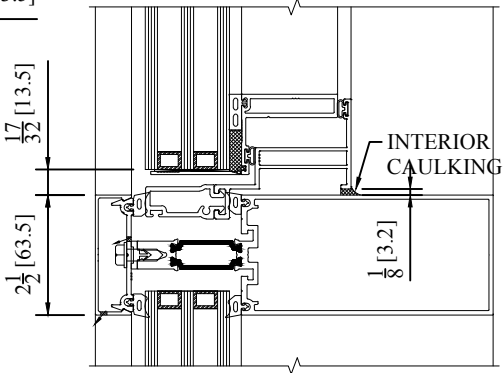
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3



4



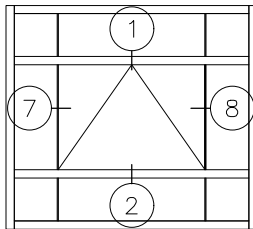
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5500 HTP SERIES

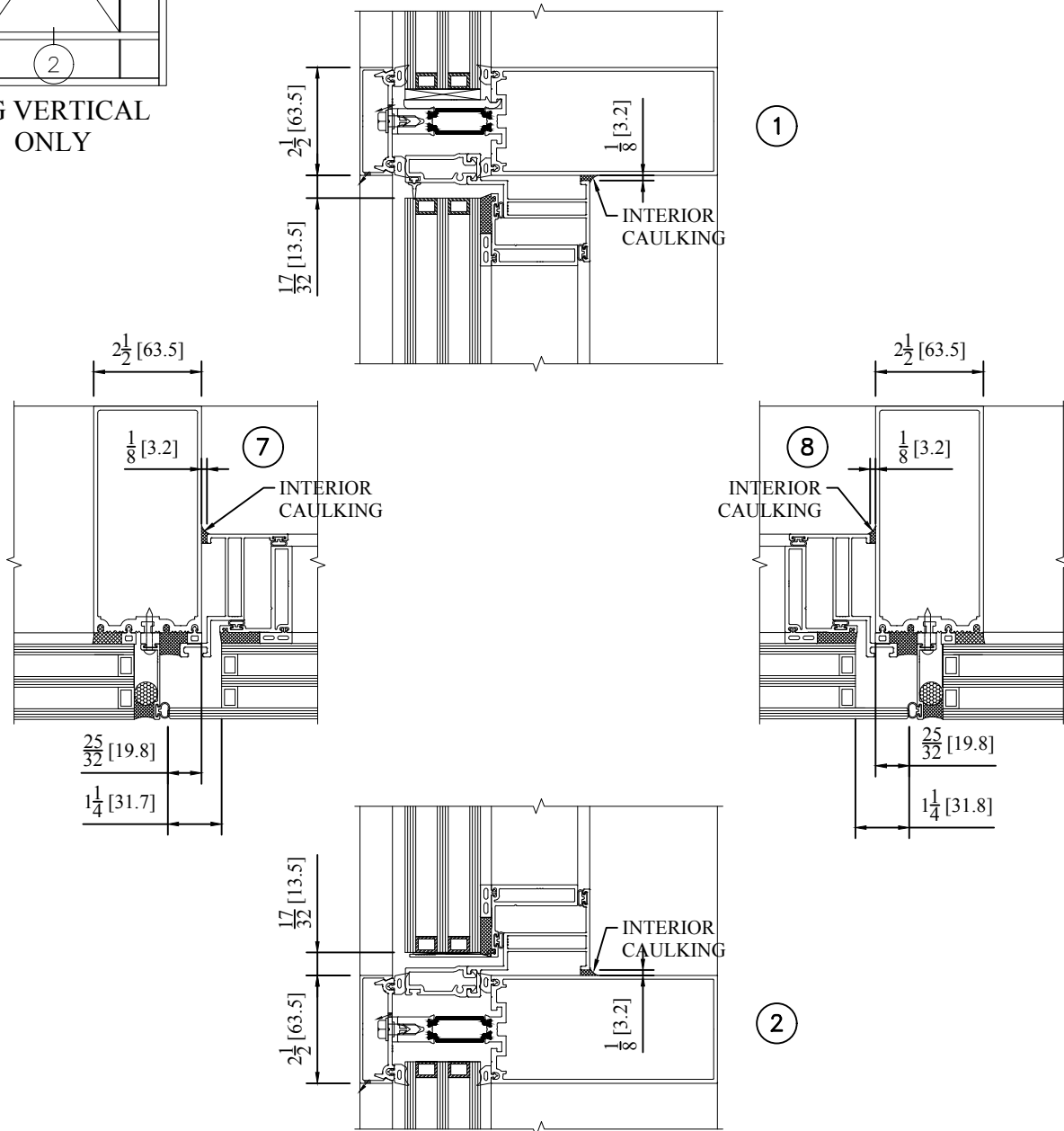
TRIPLE GLAZED 575 VENT IN HTP/SSG C.W.



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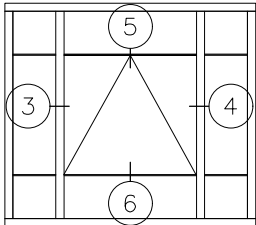


SSG VERTICAL
ONLY

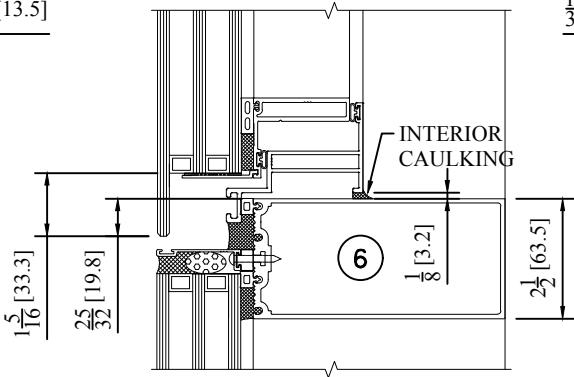
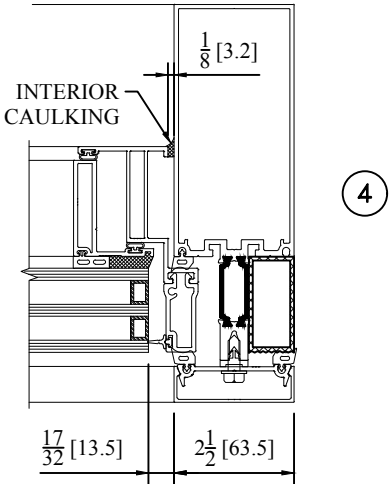
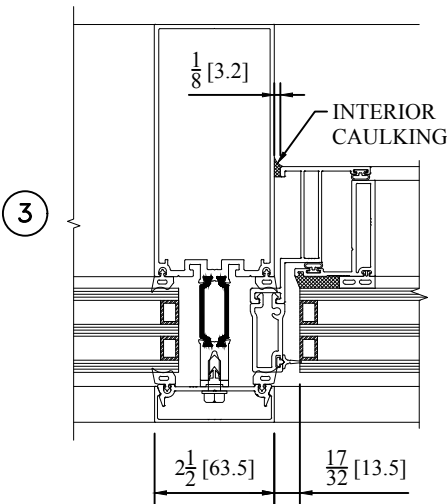
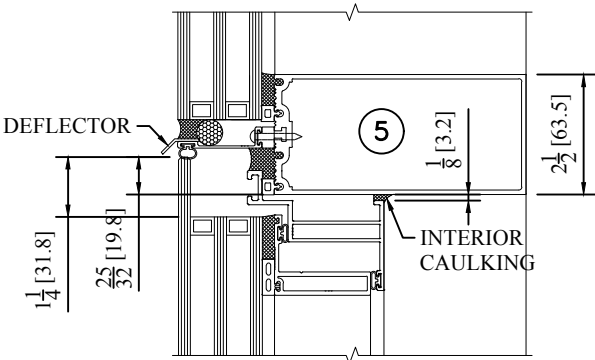


5500 HTP SERIES

TYPICAL TRIPLE GLAZED CORNER DETAILS

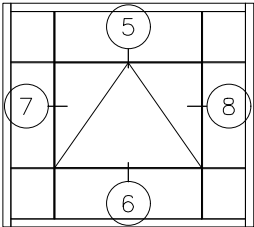


SSG HORIZONTAL
ONLY

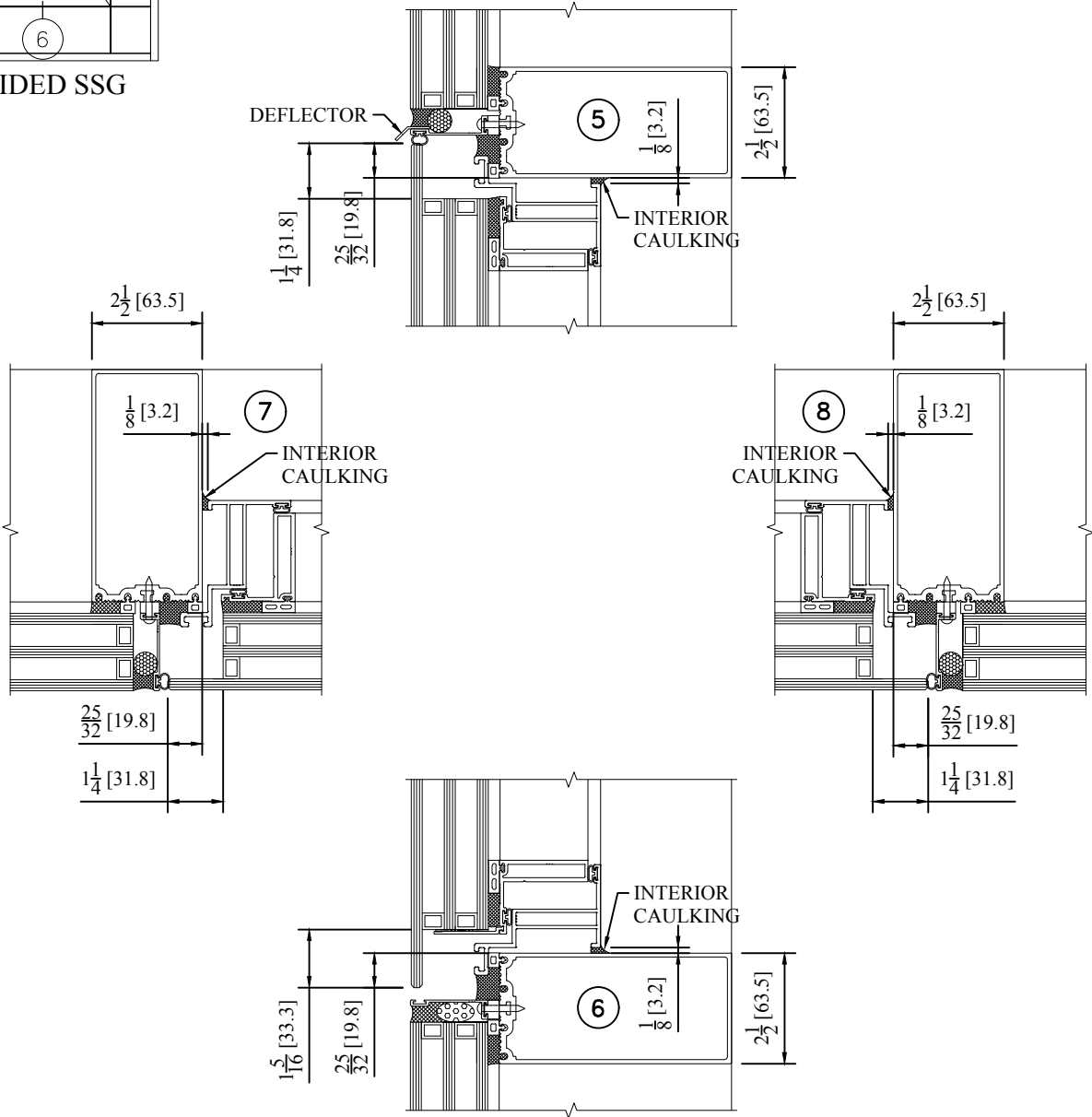


5500 HTP SERIES

TYPICAL TRIPLE GLAZED CORNER DETAILS

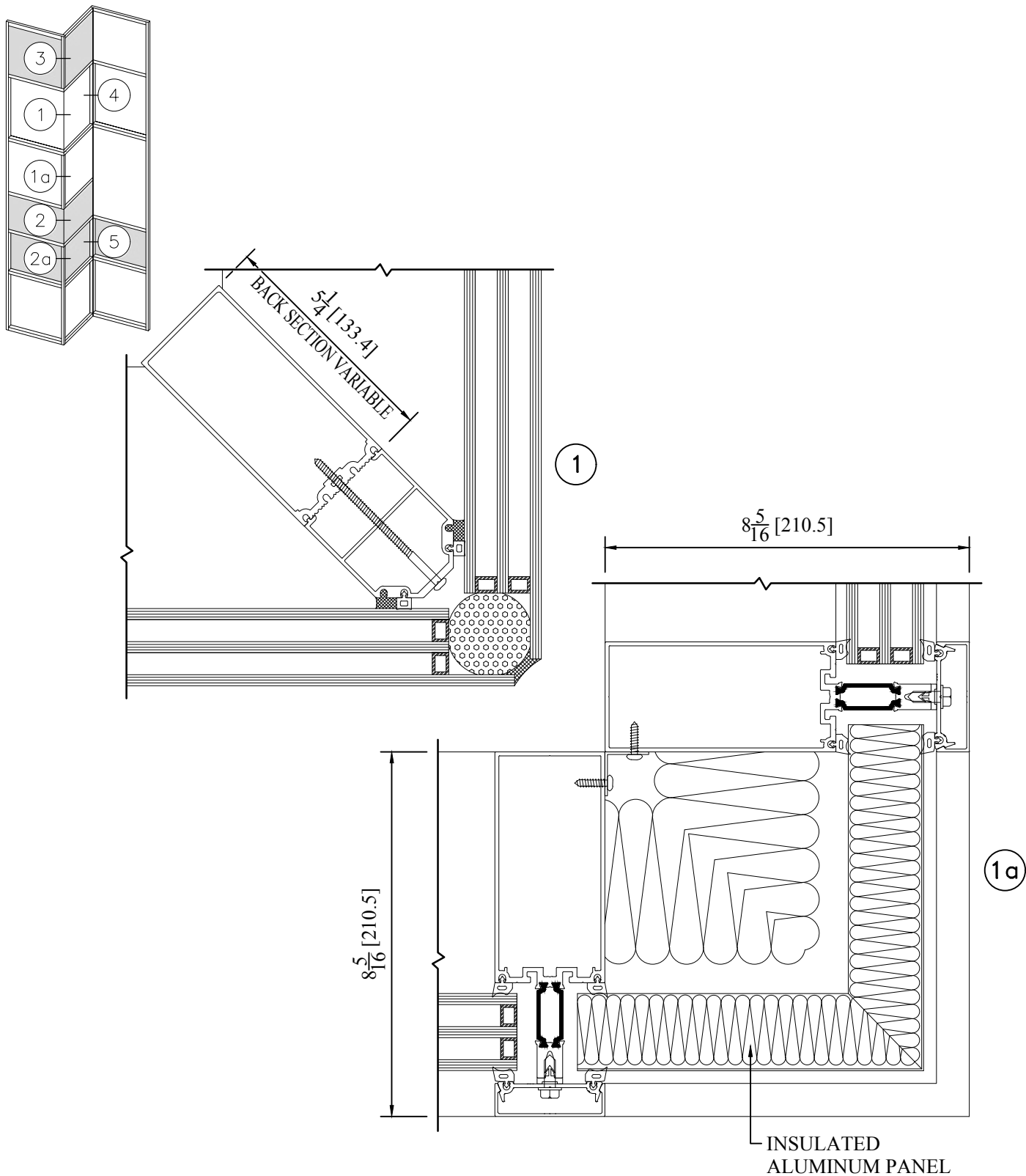


4 SIDED SSG



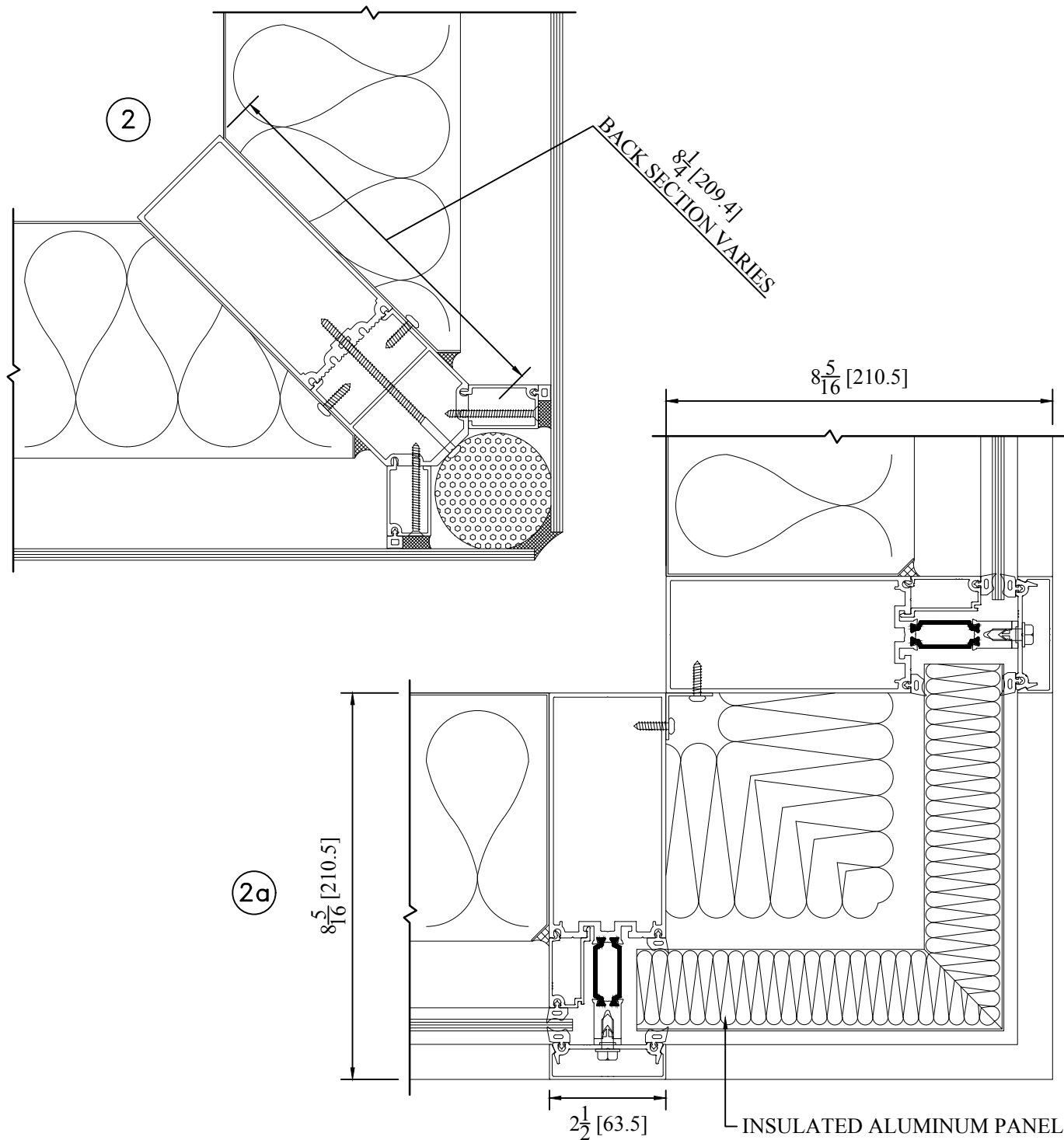
5500 HTP SERIES

TYPICAL TRIPLE GLAZED CORNER DETAILS



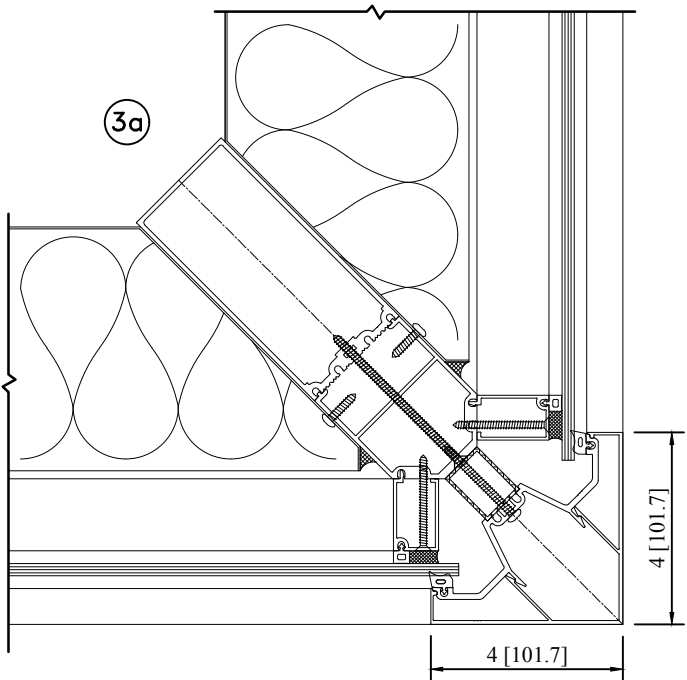
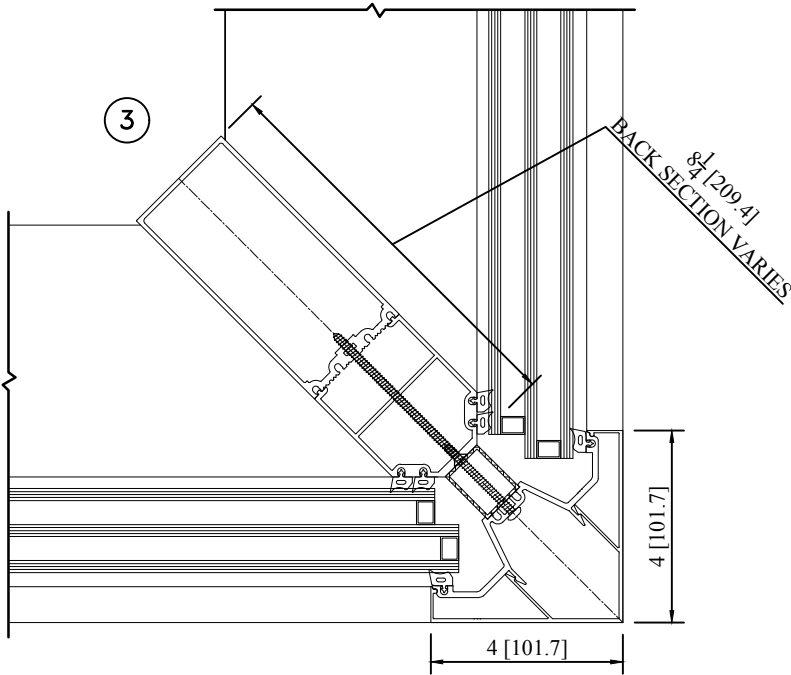
5500 HTP SERIES

TYPICAL TRIPLE GLAZED CORNER DETAILS



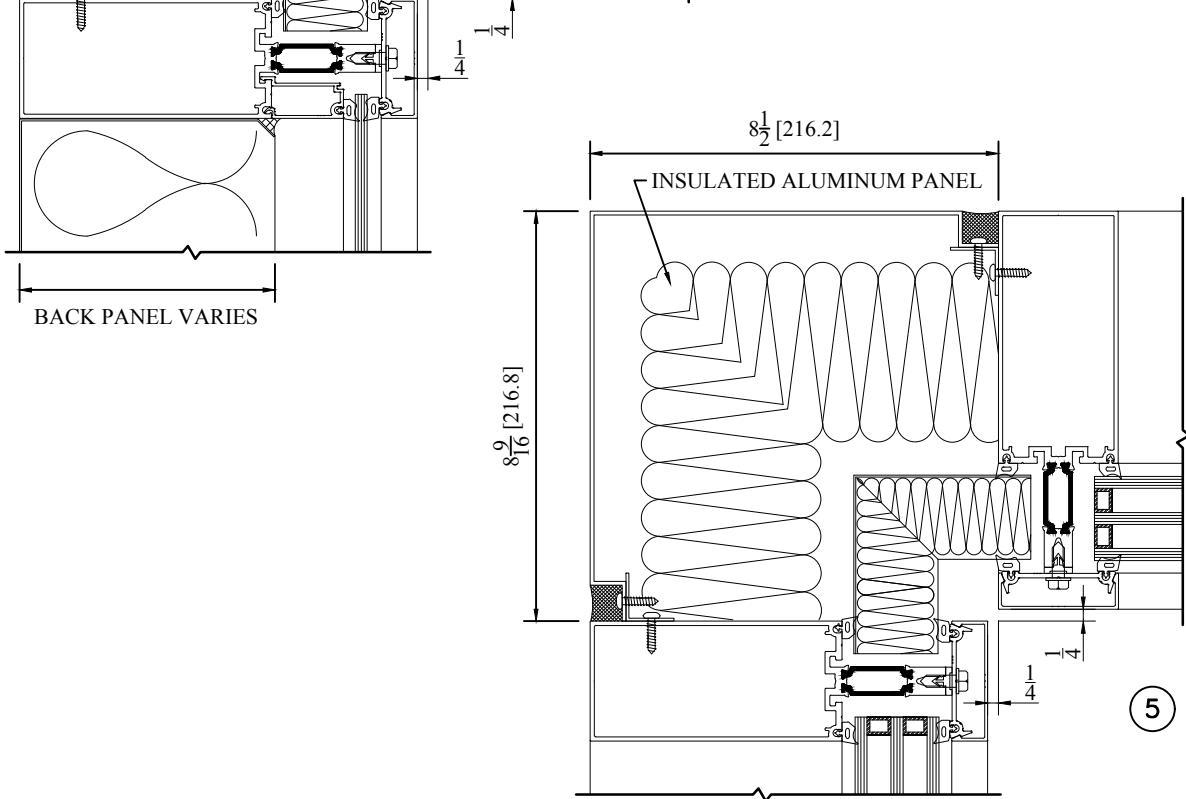
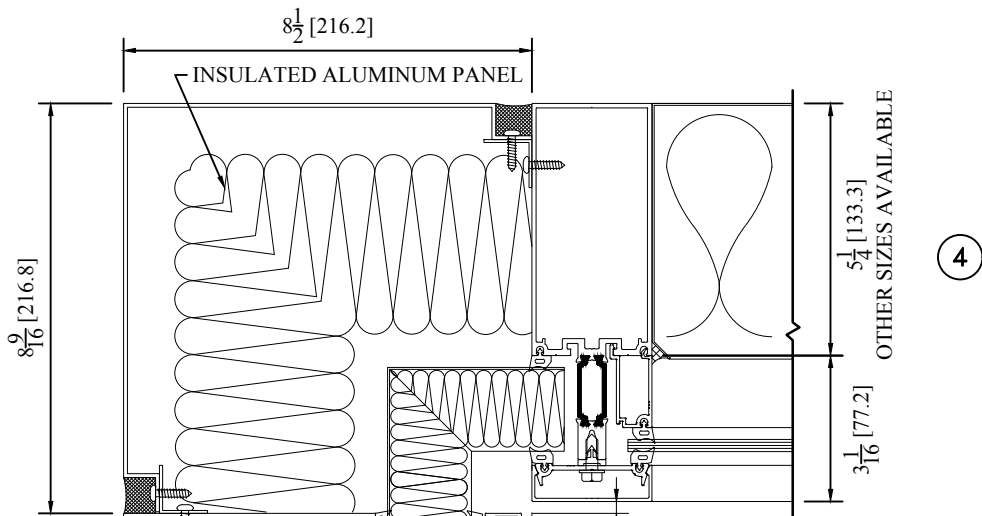
5500 HTP SERIES

TYPICAL TRIPLE GLAZED 5500 HTP/SSG
C.W. DETAILS



5500 HTP SERIES

TYPICAL TRIPLE GLAZED 5500 HTP/SSG
C.W. DETAILS

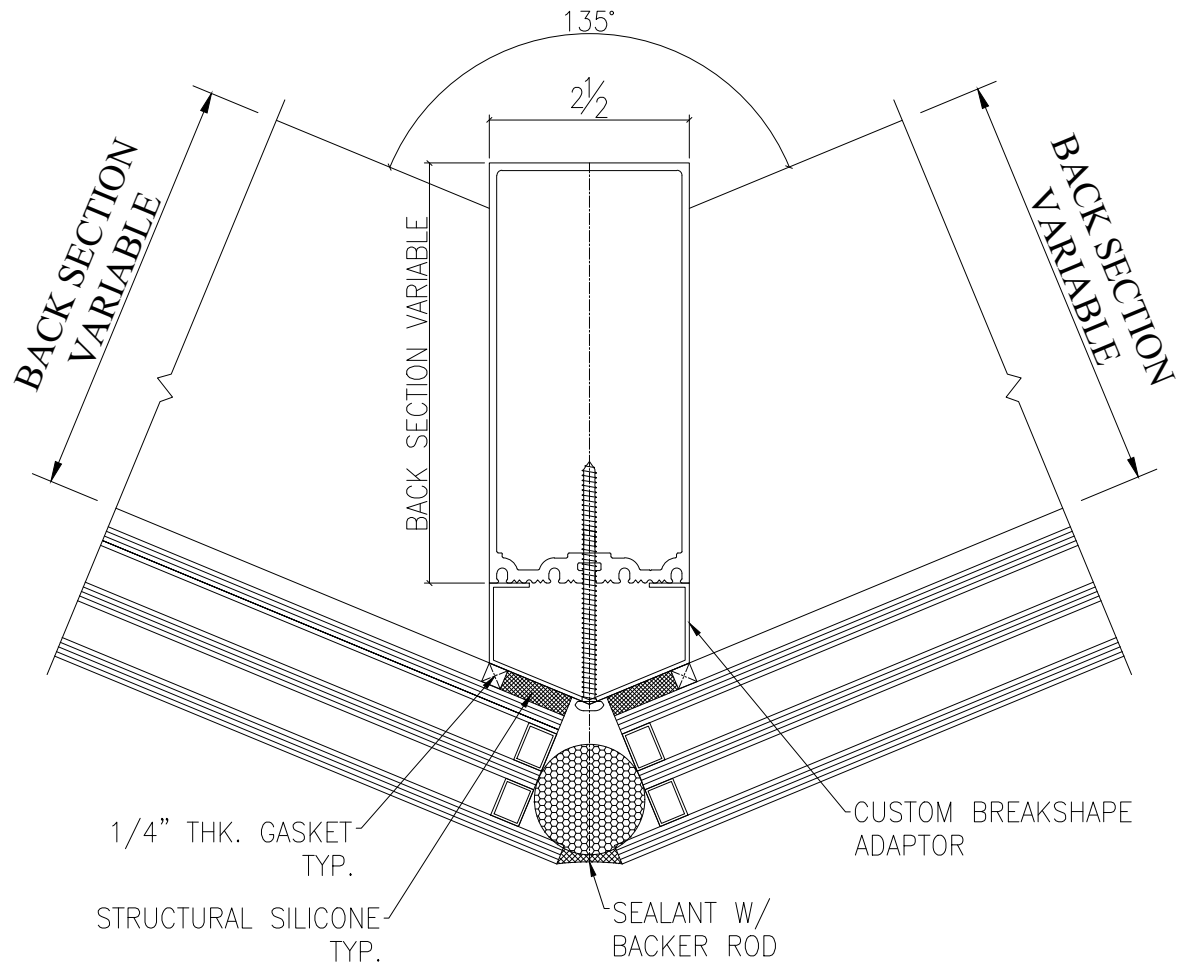


5500 HTP SERIES

135 DEGREE SSG CORNER MULLION DETAIL (TG)



PAGE 41

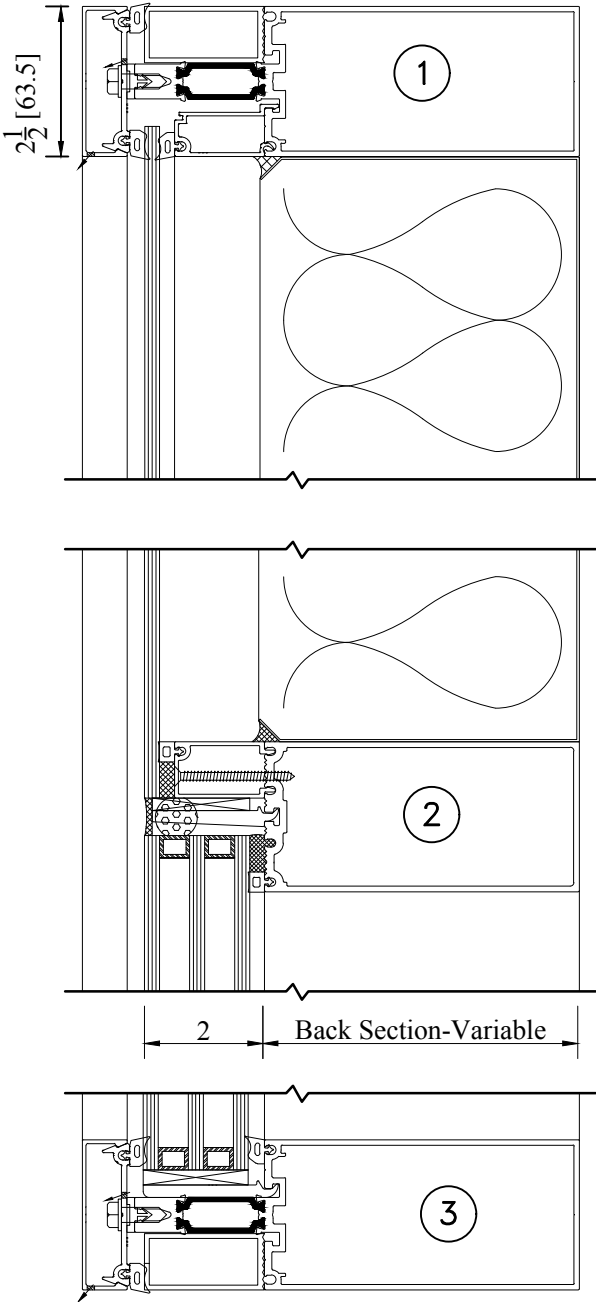
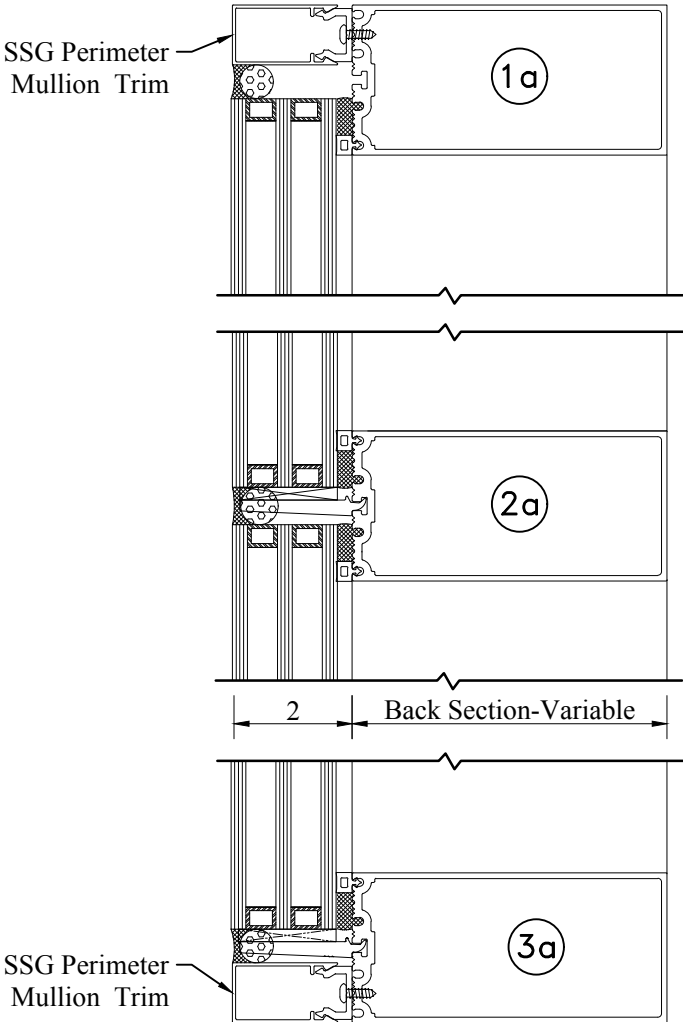
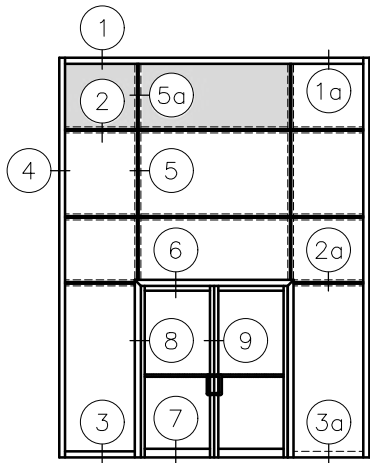


Notes: Custom angles are available, please contact sales representative to inquire.

5500 HTP SERIES

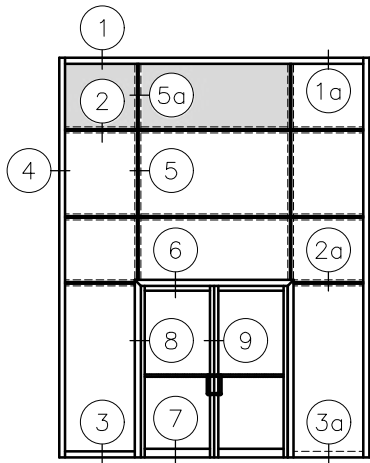


TYPICAL TRIPLE GLAZED 5500 HTP/SSG DETAILS

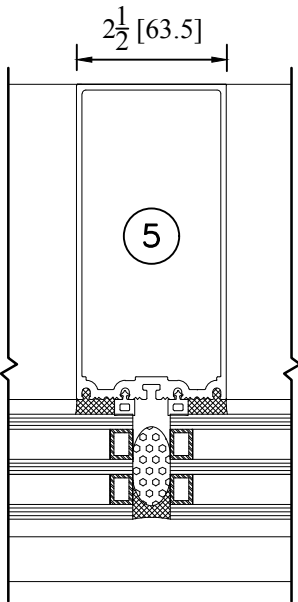
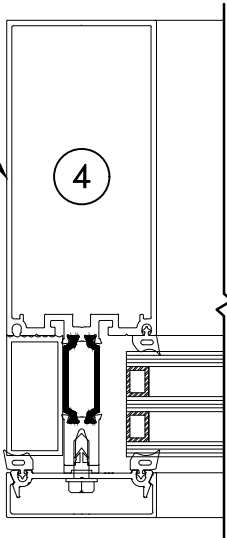


5500 HTP SERIES

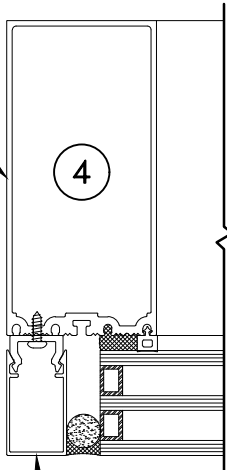
WIND LOAD CHARTS



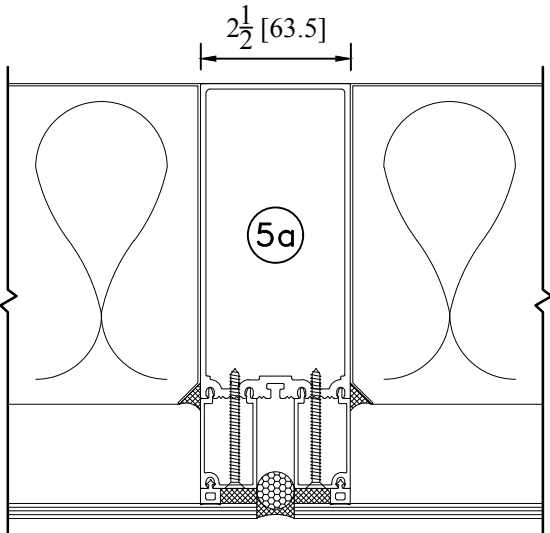
HTP MULLION



SSG MULLION

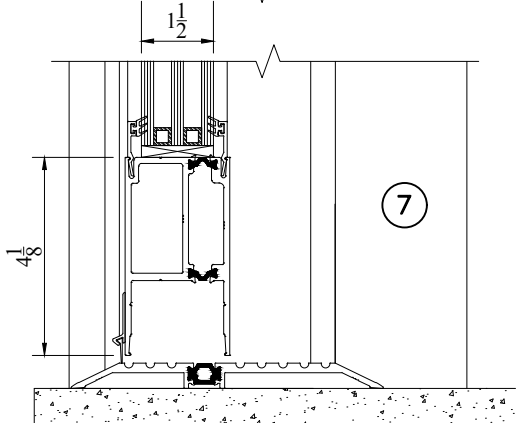
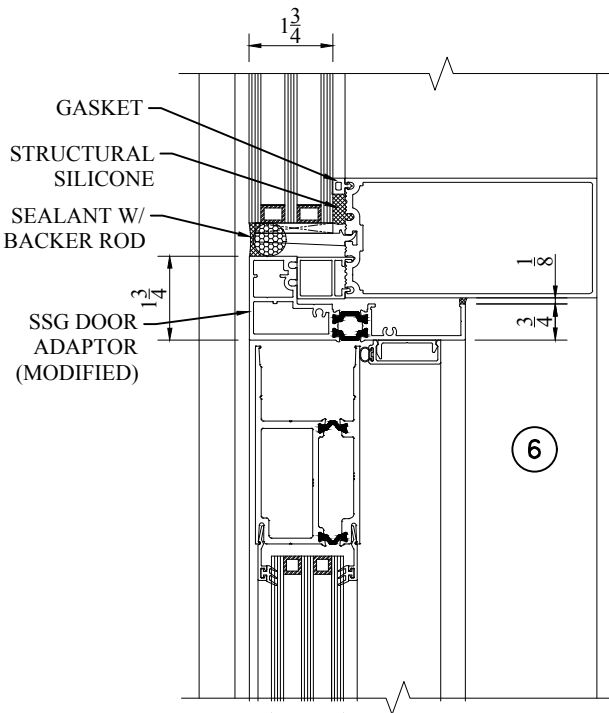
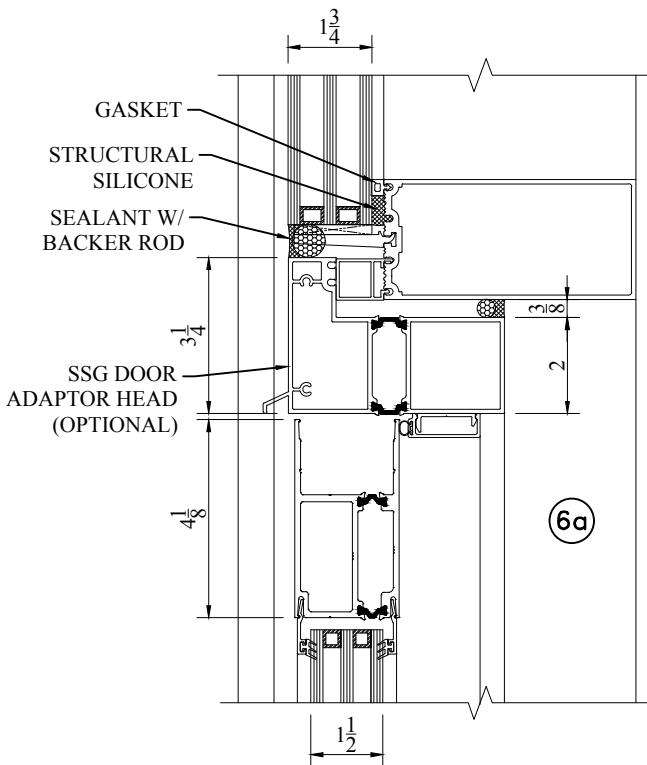
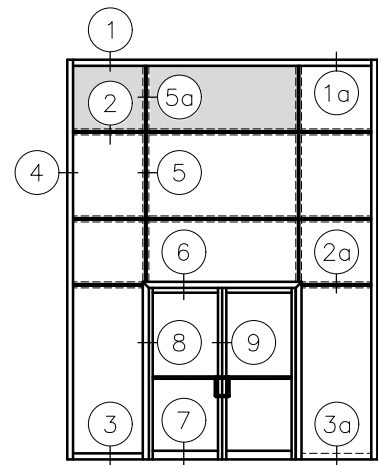


SSG Perimeter Mullion Trim



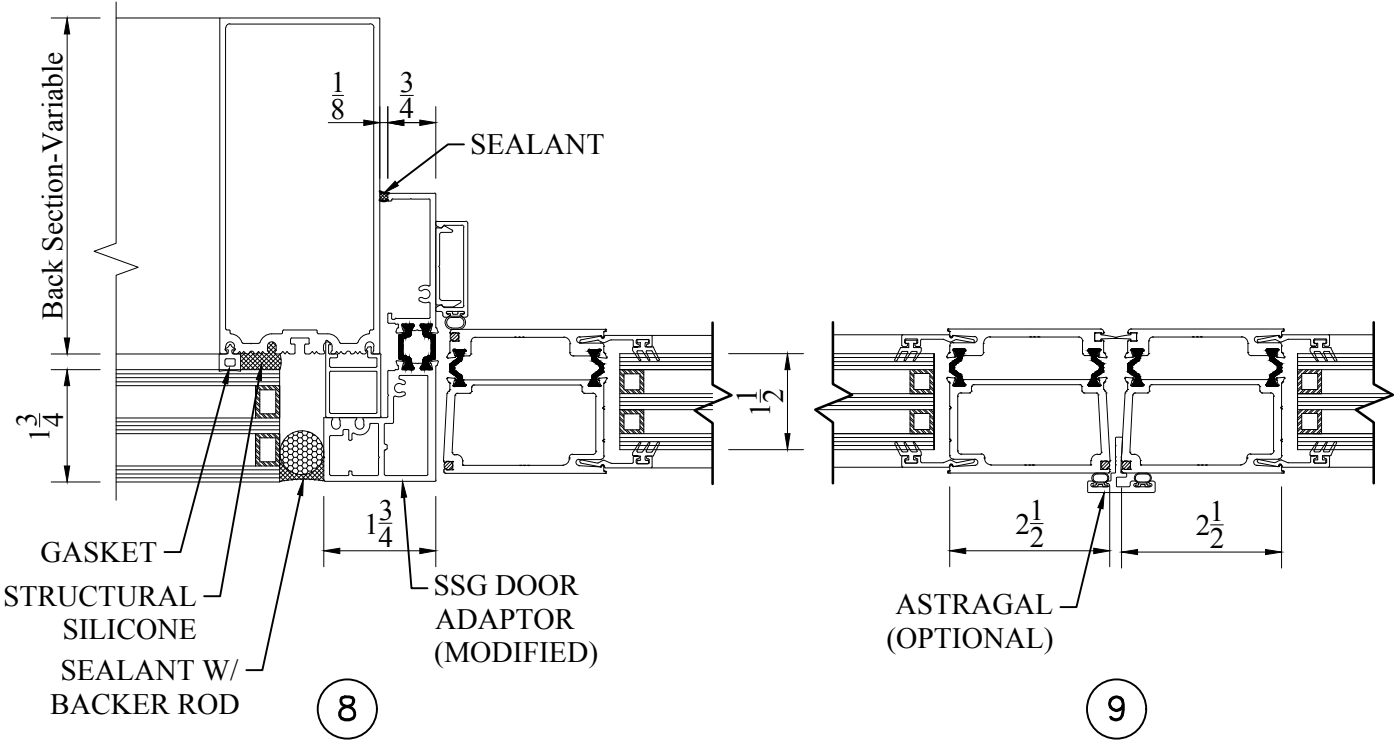
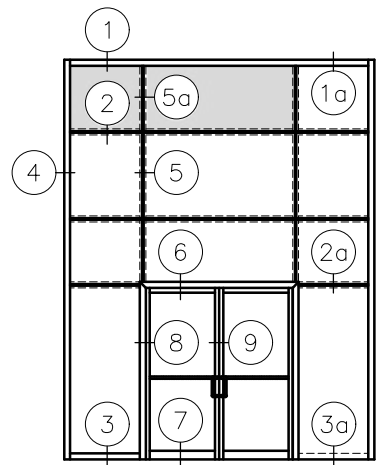
5500 HTP SERIES

TRIPLE GLAZED SSG DOOR ADAPTOR



5500 HTP SERIES

WIND LOAD CHARTS



5500 HTP SERIES

N.F.R.C. THERMAL CHARTS



5500 HTP Curtain Wall with Double Glazing			
U-cog	U-Product		
	Aluminum Spacer	Stainless Steel Spacer	Non-Metal Spacer
0.18	0.27	0.26	0.24
0.20	0.29	0.28	0.26
0.22	0.31	0.30	0.28
0.24	0.33	0.32	0.30
0.26	0.34	0.33	0.32
0.28	0.36	0.35	0.33
0.30	0.38	0.37	0.35
0.32	0.39	0.38	0.37
0.34	0.41	0.40	0.38
0.36	0.43	0.42	0.40
0.38	0.45	0.44	0.42
0.40	0.46	0.45	0.44
0.42	0.48	0.47	0.45
0.44	0.50	0.49	0.47
0.46	0.51	0.50	0.49
0.48	0.53	0.52	0.50

1. Simulations performed in accordance with NFRC100-2010 and NFRC200-2010
2. All U-Factors are in $\text{btu/hr-ft}^2 \cdot \text{F}$
3. The NFRC standard curtain wall size and configuration is used as per NFRC100-2010 Table 4.3
4. Simulations are performed with the LBNL programs Window 6.3 and Therm 6.3

All data on this page represents the N.F.R.C. sample size of $78 \frac{3}{4}" \times 78 \frac{3}{4}"$ (2000mm x 2000mm).

5500 HTP Curtain Wall with Triple Glazing			
U-cog	U-Product		
	Aluminum Spacer	Stainless Steel Spacer	Non-Metal Spacer
0.10	0.19	0.17	0.15
0.12	0.21	0.19	0.17
0.14	0.22	0.21	0.19
0.16	0.24	0.23	0.21
0.18	0.26	0.24	0.22
0.2	0.28	0.26	0.24
0.22	0.29	0.28	0.26
0.24	0.31	0.30	0.28
0.26	0.33	0.31	0.29
0.28	0.34	0.33	0.31
0.30	0.36	0.35	0.33

5500 HTP Curtain Wall (Dbl and Tpl Glazed)	
SHGC-cog	SHGC-Product
0.05	0.05
0.10	0.10
0.15	0.14
0.20	0.19
0.25	0.23
0.30	0.28
0.35	0.32
0.40	0.37
0.45	0.41
0.50	0.46
0.55	0.50
0.60	0.55
0.65	0.59
0.70	0.64
0.75	0.68

5500 HTP SERIES

WIND LOAD CHARTS



PAGE 47

1. Deflection Limit: $L/175$

(Note: to convert to $L/240 + \frac{1}{4}"$ deflection limit,

divided mullion spacings by 0.70.

For example, if mullion can be spaced at 4 ft o.c.,

divided by 0.70 = 2.80 ft spacing ok at $L/240 + \frac{1}{4}"$)

2. Assume horizontal members (if any) provide lateral support for seismic loads
3. Value of mullion includes back section, thermal breaks and nosing
4. Steel reinforcing inertia value expressed in aluminum for total inertia value
(i.e. steel value is factored up by ratio of steel / aluminum modulus values)
5. Span chart is for estimation only. Do not utilize for detailed design.

Chart is based on deflection analysis only.

5500 HTP SERIES

N.F.R.C. WIND LOAD CHARTS



PAGE 48

1. Deflection Limit: $L/175$

(Note: to convert to $L/240 + \frac{1}{4}"$ deflection limit,
divided mullion spacings by 0.70.

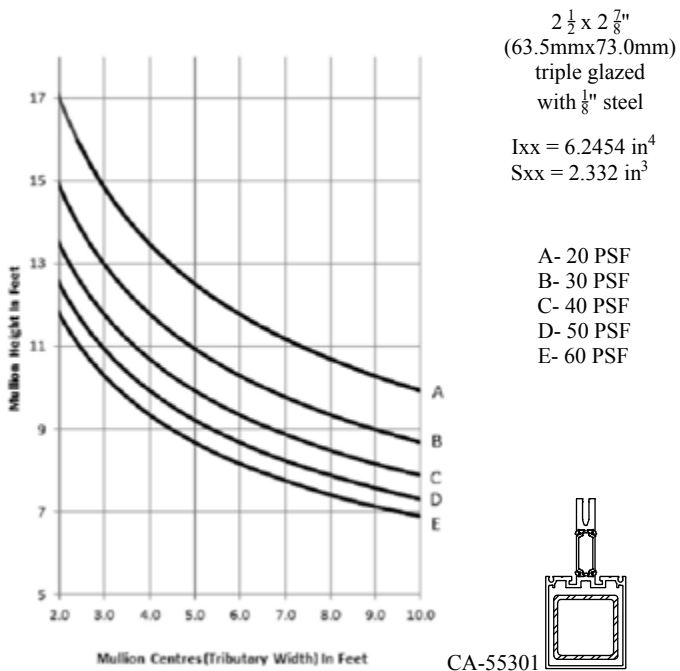
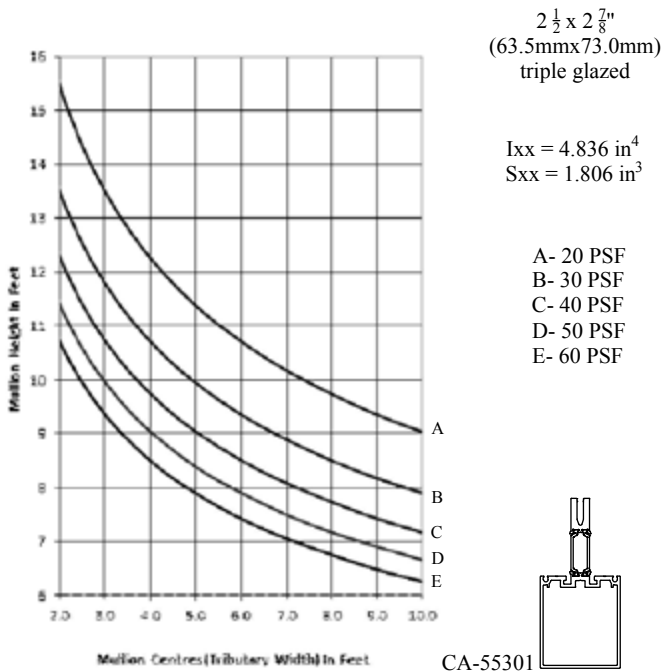
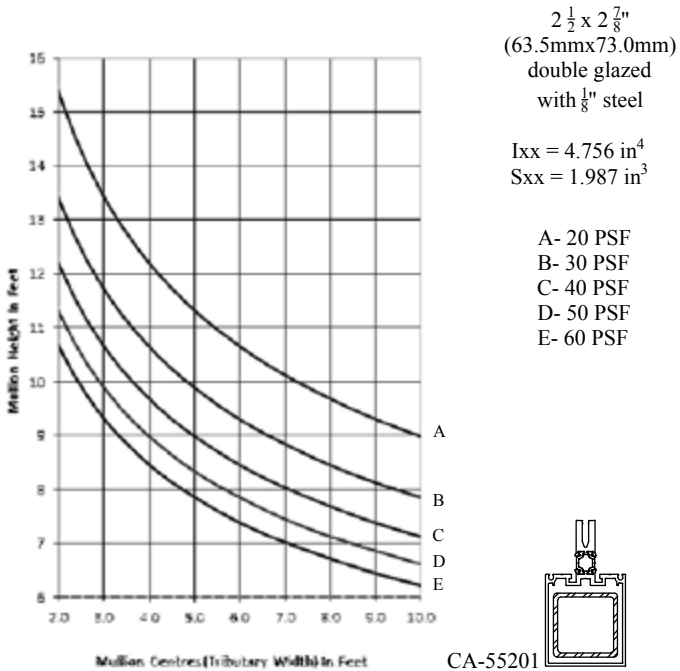
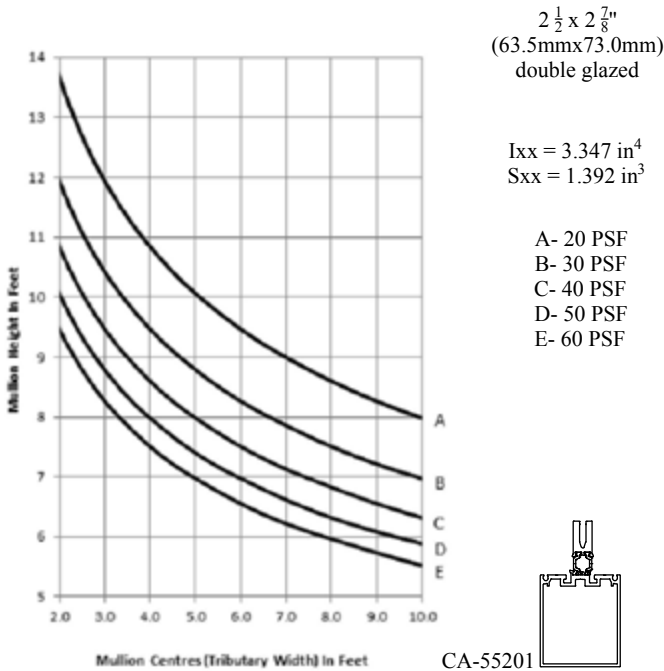
For example, if mullion can be spaced at 4 ft o.c.,
divided by 0.70 = 2.80 ft spacing ok at $L/240 + \frac{1}{4}"$)

2. Assume horizontal members (if any) provide lateral support for seismic loads
3. Value of mullion includes back section, thermal breaks and nosing
4. Steel reinforcing inertia value expressed in aluminum for total inertia value
(i.e. steel value is factored up by ratio of steel / aluminum modulus values)
5. Span chart is for estimation only. Do not utilize for detailed design.

Chart is based on deflection analysis only.

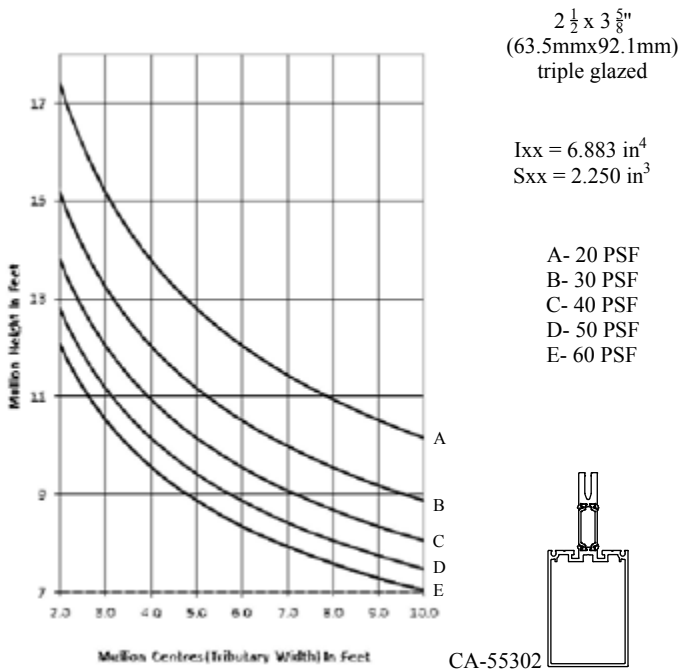
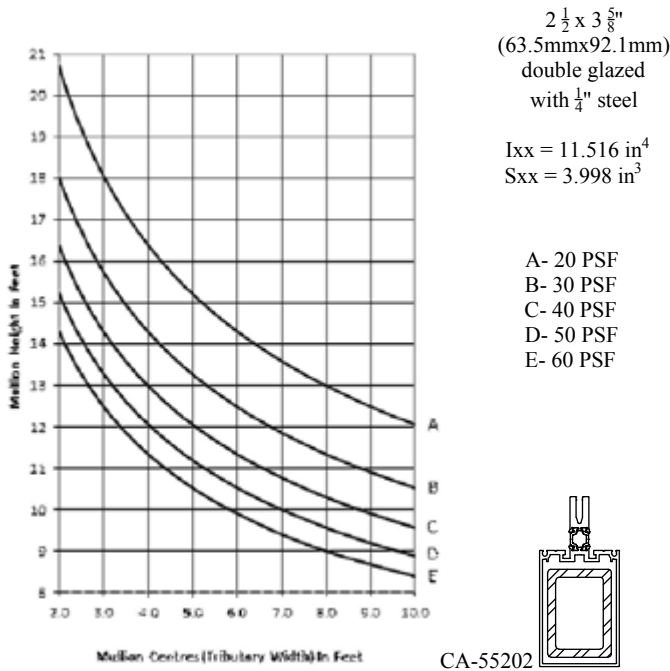
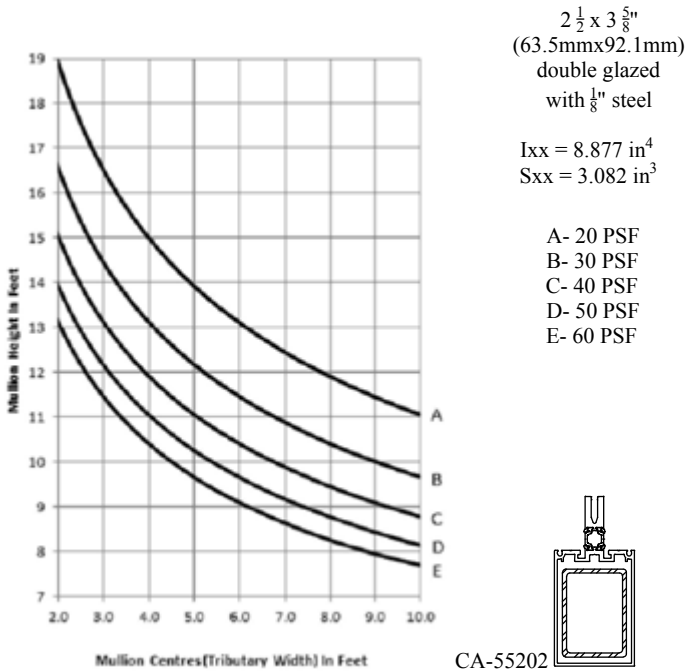
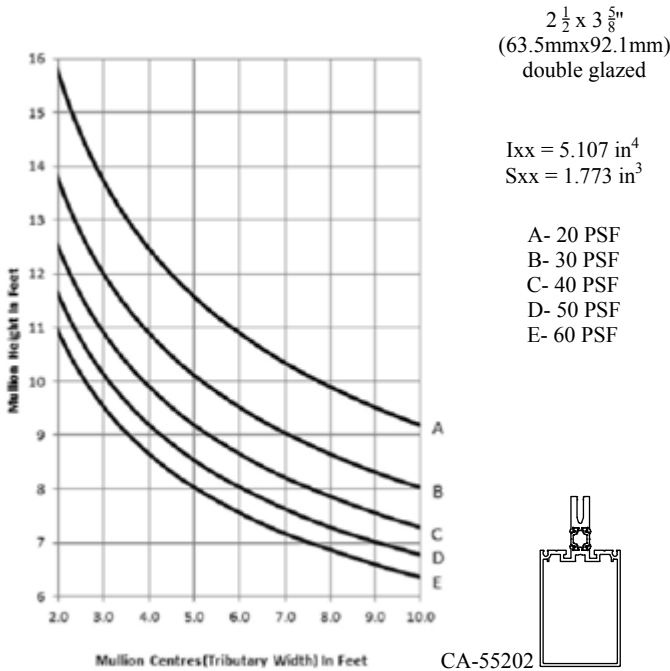
5500 HTP SERIES

WIND LOAD CHARTS



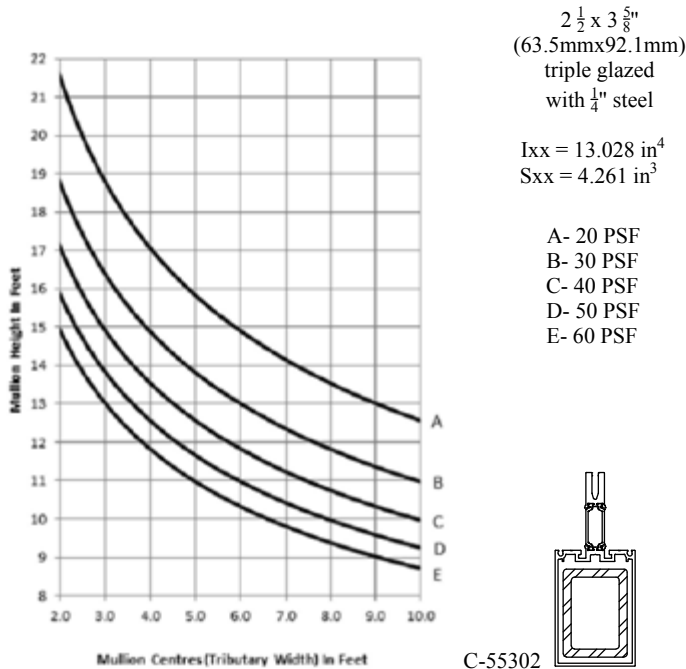
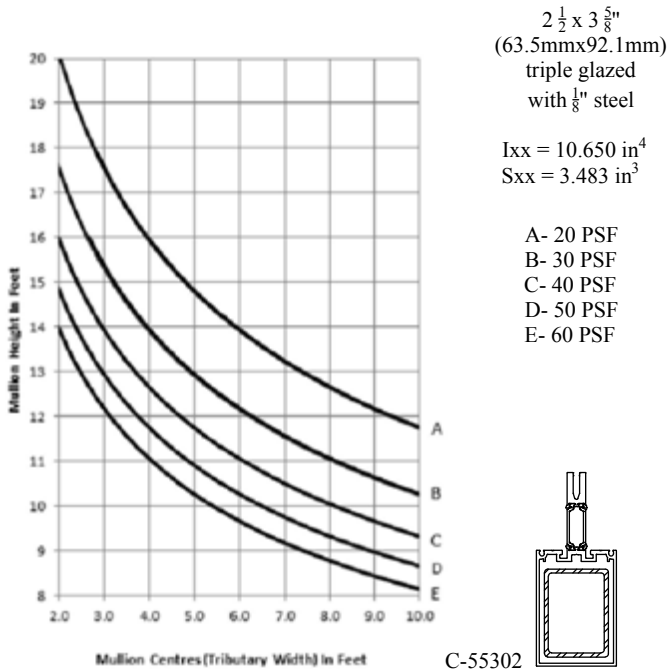
5500 HTP SERIES

WIND LOAD CHARTS



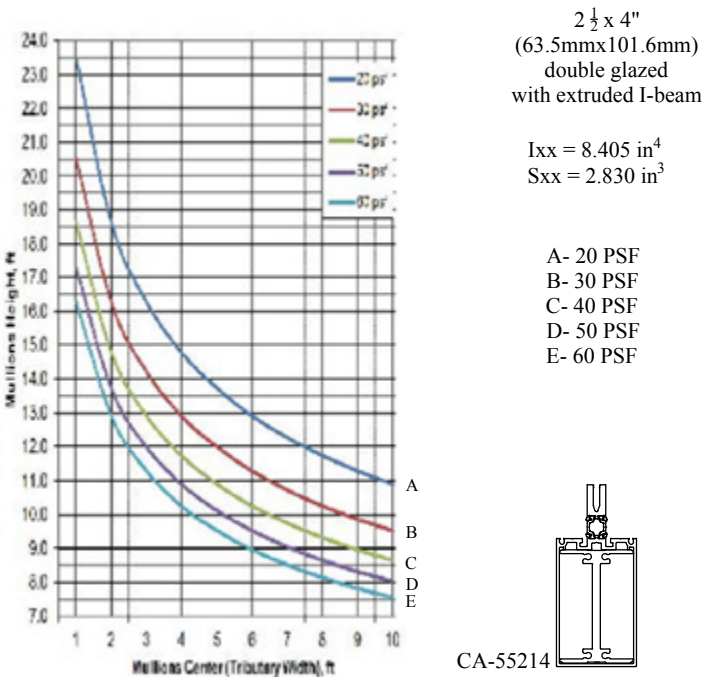
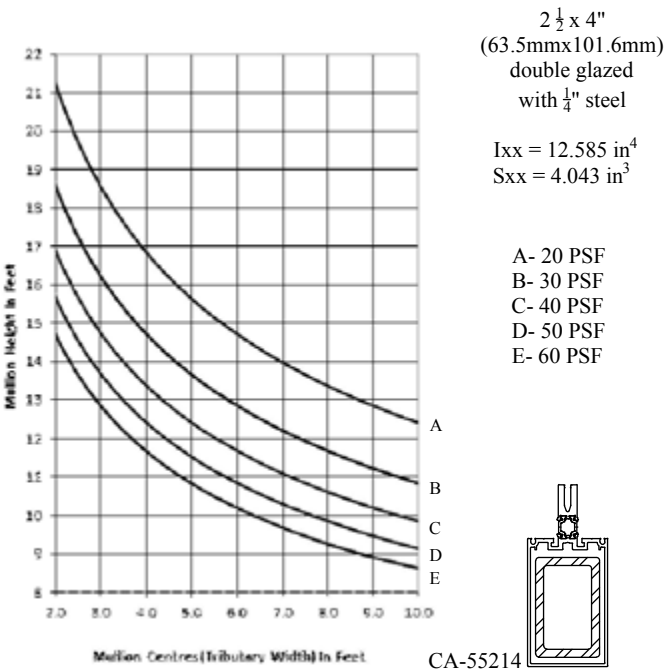
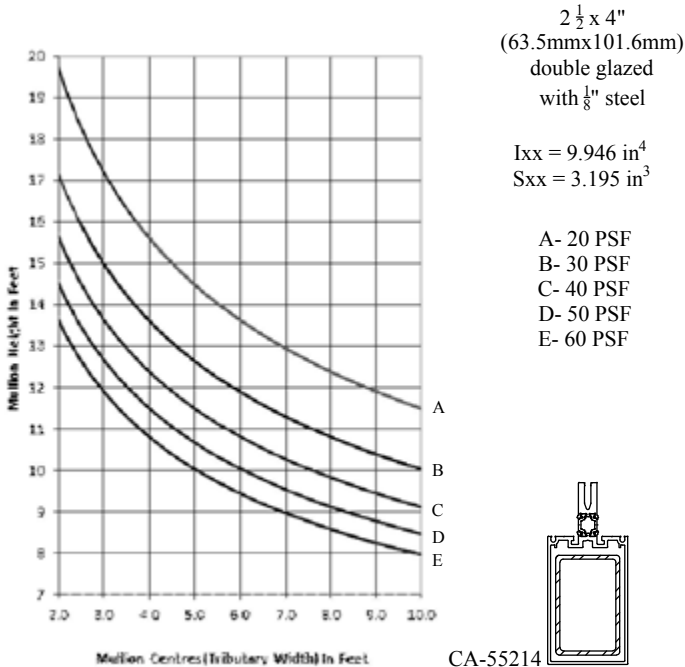
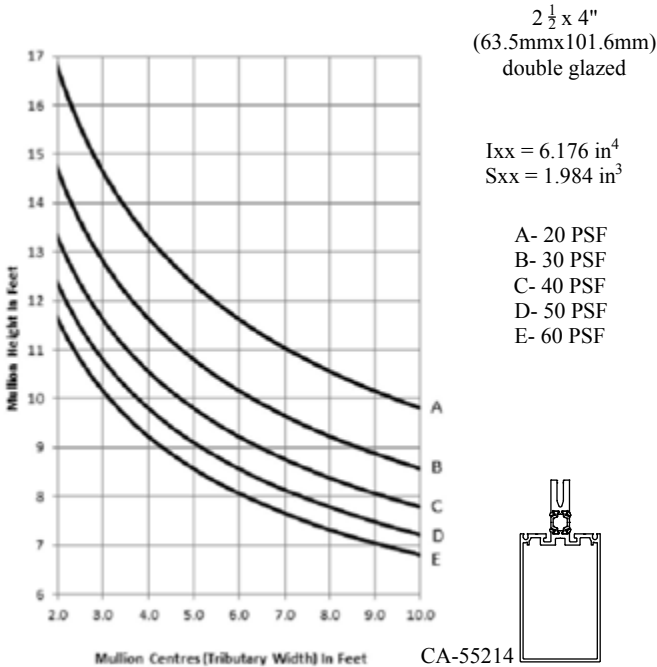
5500 HTP SERIES

WIND LOAD CHARTS



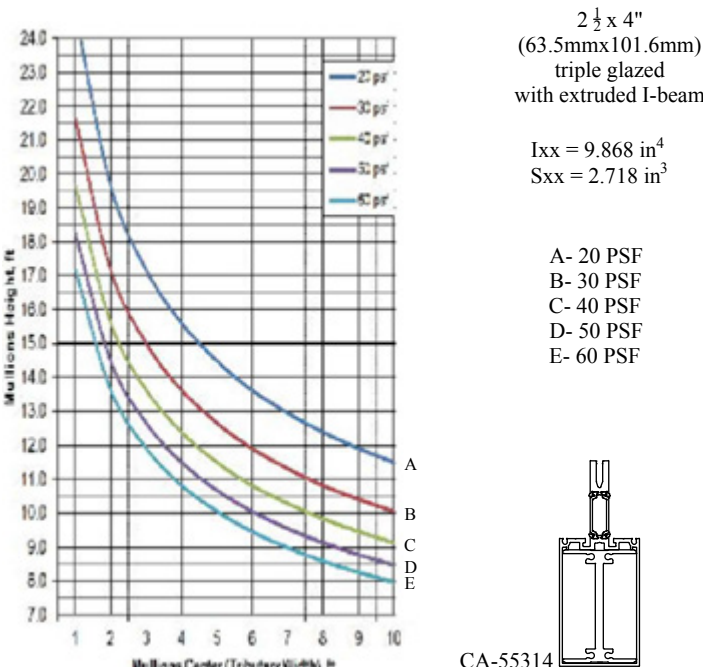
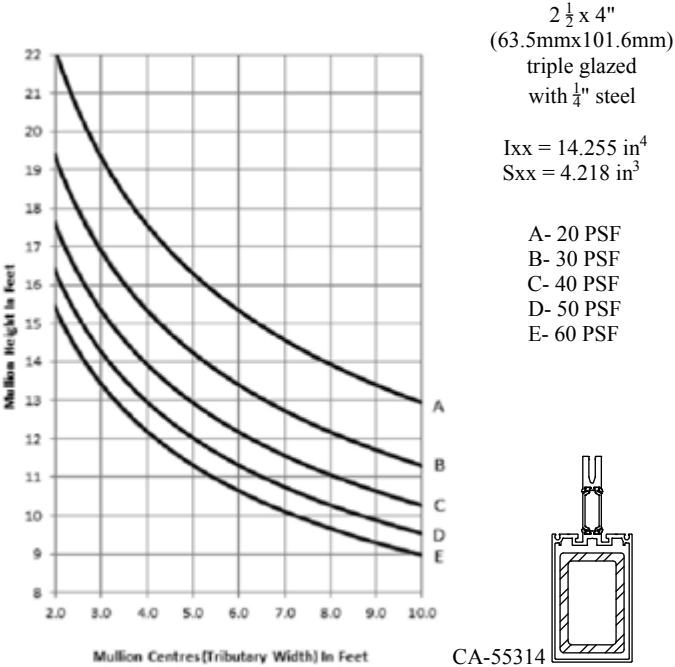
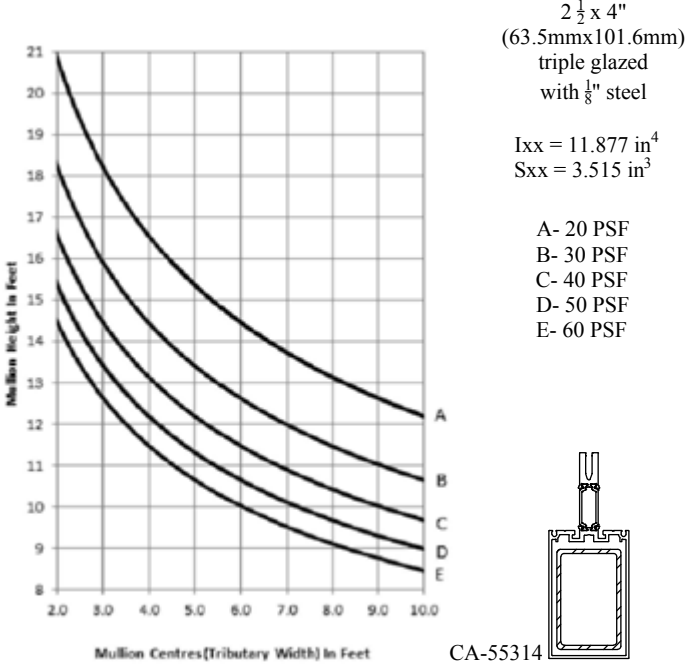
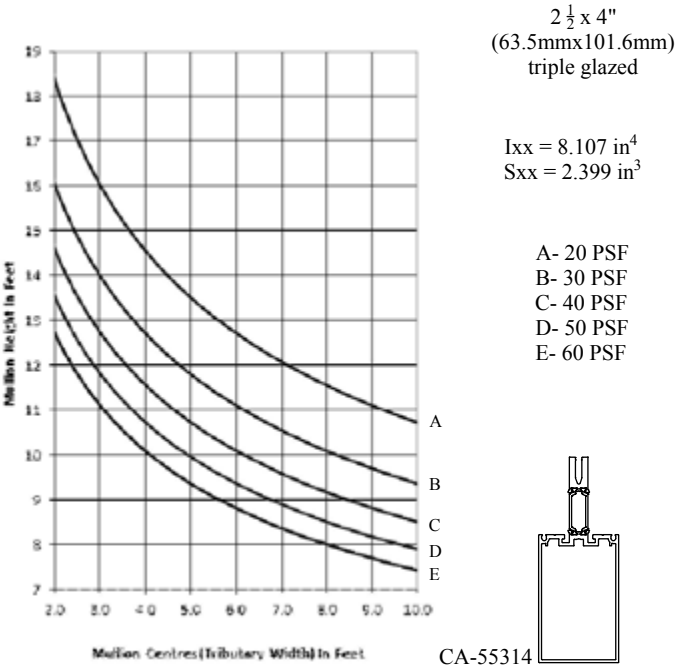
5500 HTP SERIES

WIND LOAD CHARTS



5500 HTP SERIES

WIND LOAD CHARTS

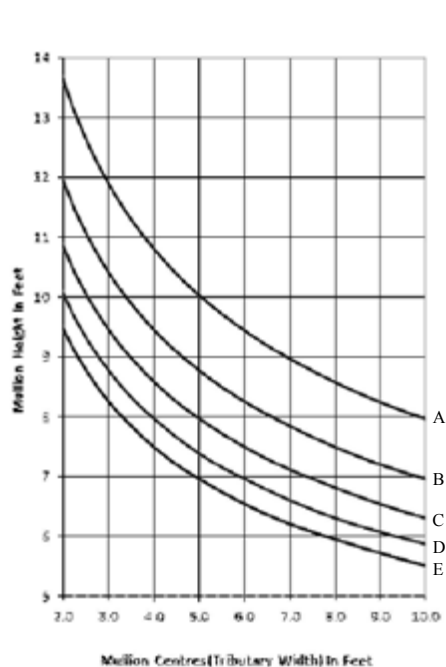


5500 HTP SERIES

WIND LOAD CHARTS

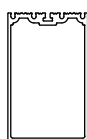


PAGE 54

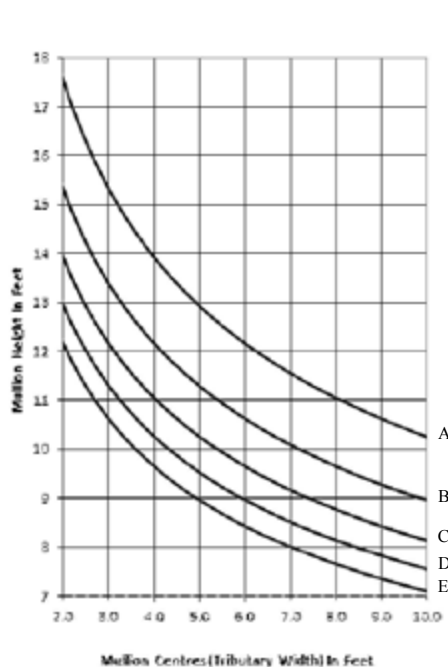


$2\frac{1}{2} \times 4"$
(63.5mmx101.6mm)
SSG

$I_{xx} = 3.323 \text{ in}^4$
 $S_{xx} = 1.426 \text{ in}^3$

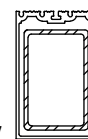


C-55047

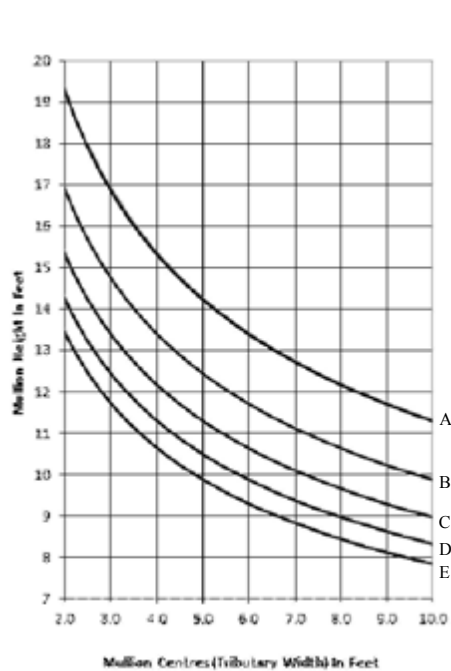


$2\frac{1}{2} \times 4"$
(63.5mmx101.6mm)
SSG with $\frac{1}{8}"$ steel

$I_{xx} = 7.093 \text{ in}^4$
 $S_{xx} = 3.044 \text{ in}^3$

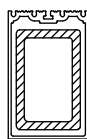


C-55047

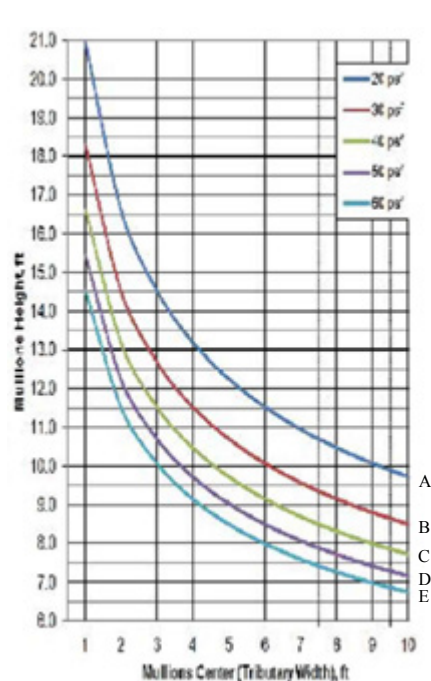


$2\frac{1}{2} \times 4"$
(63.5mmx101.6mm)
SSG with $\frac{1}{4}"$ steel

$I_{xx} = 9.471 \text{ in}^4$
 $S_{xx} = 4.064 \text{ in}^3$

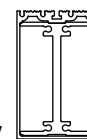


C-55047



$2\frac{1}{2} \times 4"$
(63.5mmx101.6mm)
SSG with extruded
I-beam

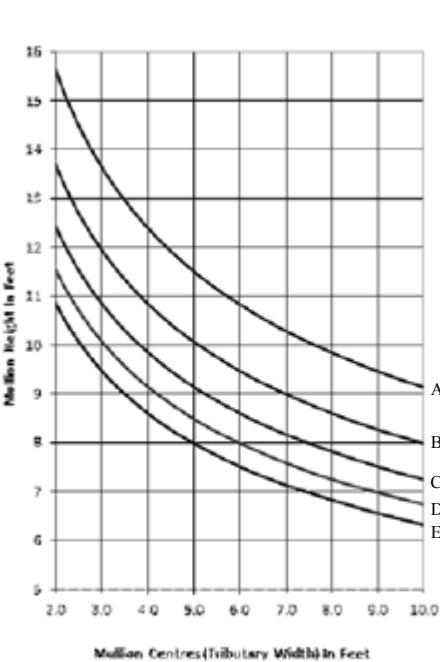
$I_{xx} = 5.978 \text{ in}^4$
 $S_{xx} = 2.807 \text{ in}^3$



C-55047

5500 HTP SERIES

WIND LOAD CHARTS



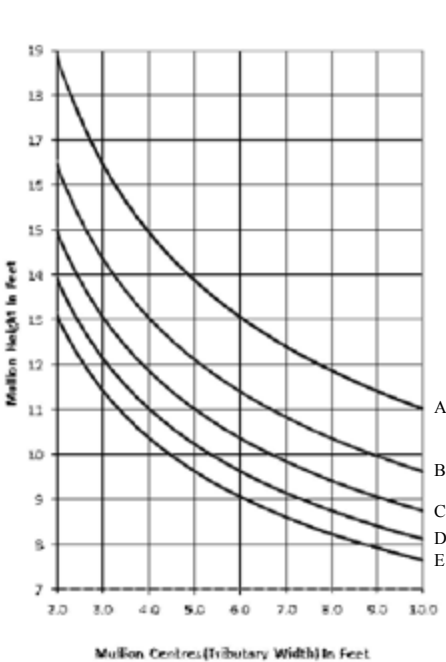
2 1/2 x 4"
(63.5mmx101.6mm)
SSG

$I_{xx} = 5.000 \text{ in}^4$
 $S_{xx} = 2.389 \text{ in}^3$

- A- 20 PSF
- B- 30 PSF
- C- 40 PSF
- D- 50 PSF
- E- 60 PSF



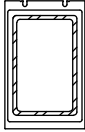
C-55012



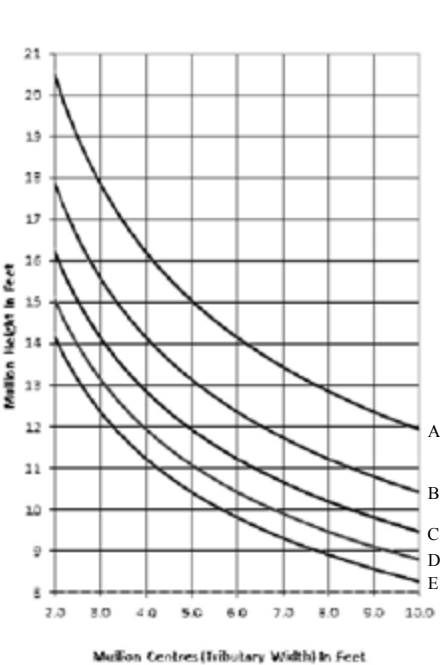
2 1/2 x 4"
(63.5mmx101.6mm)
SSG with 1/8" steel

$I_{xx} = 8.770 \text{ in}^4$
 $S_{xx} = 4.190 \text{ in}^3$

- A- 20 PSF
- B- 30 PSF
- C- 40 PSF
- D- 50 PSF
- E- 60 PSF



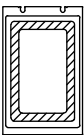
C-55012



2 1/2 x 4"
(63.5mmx101.6mm)
SSG with 1/4" steel

$I_{xx} = 11.148 \text{ in}^4$
 $S_{xx} = 5.327 \text{ in}^3$

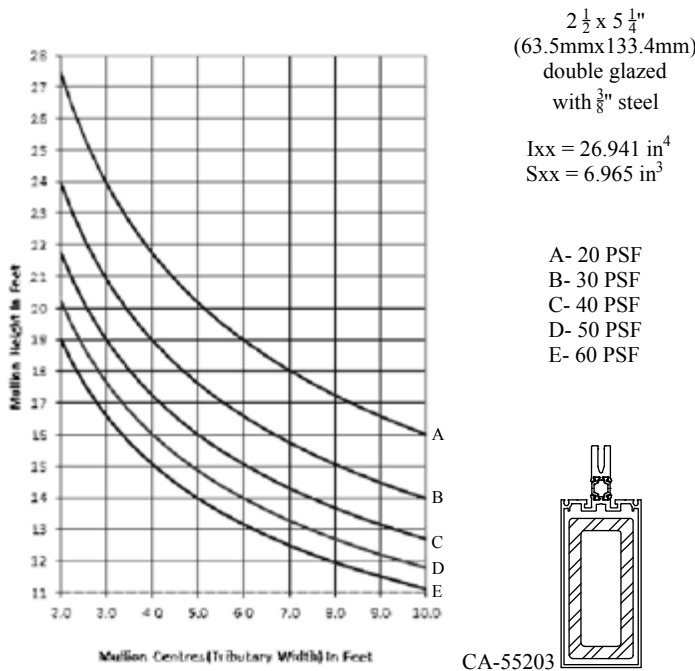
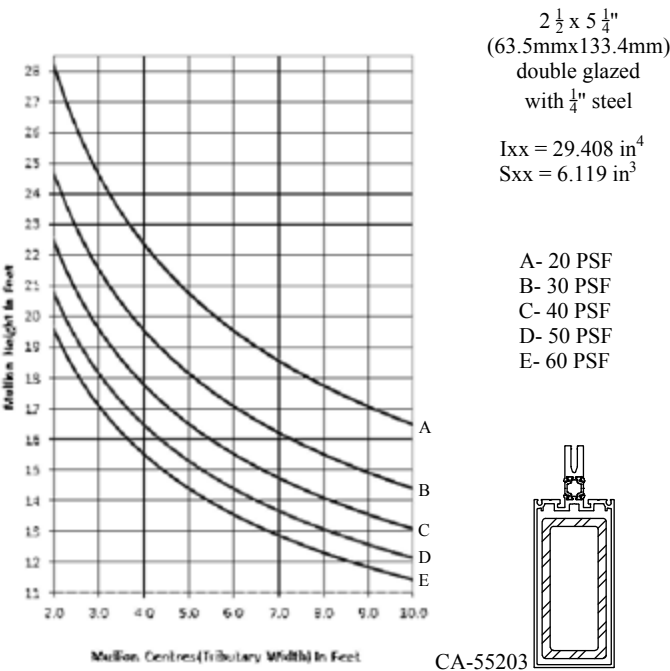
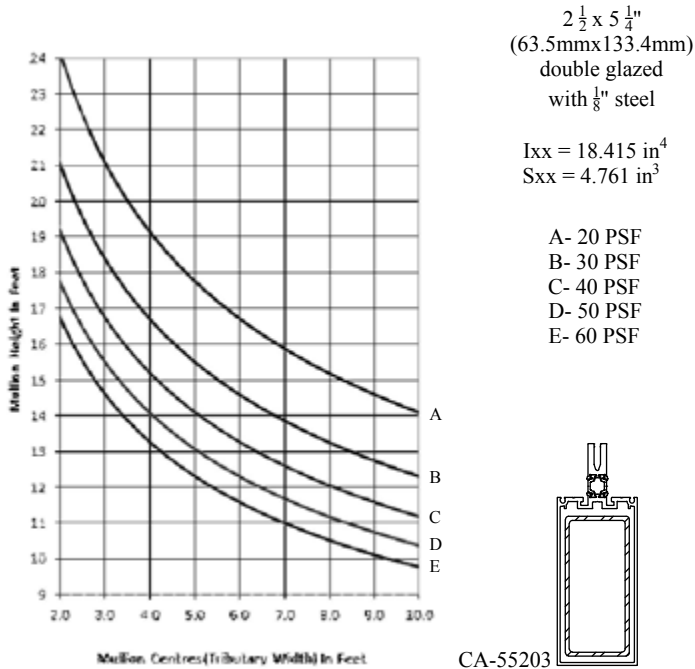
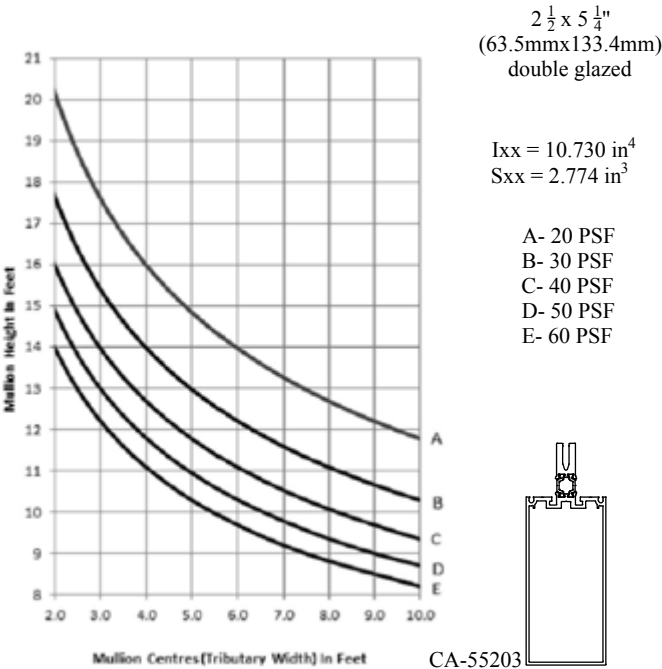
- A- 20 PSF
- B- 30 PSF
- C- 40 PSF
- D- 50 PSF
- E- 60 PSF



C-55012

5500 HTP SERIES

WIND LOAD CHARTS

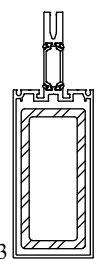
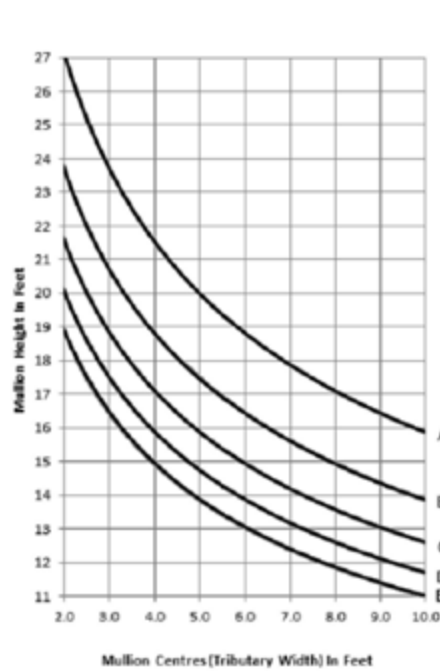
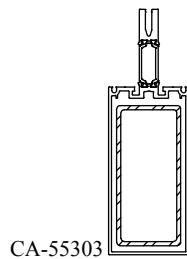
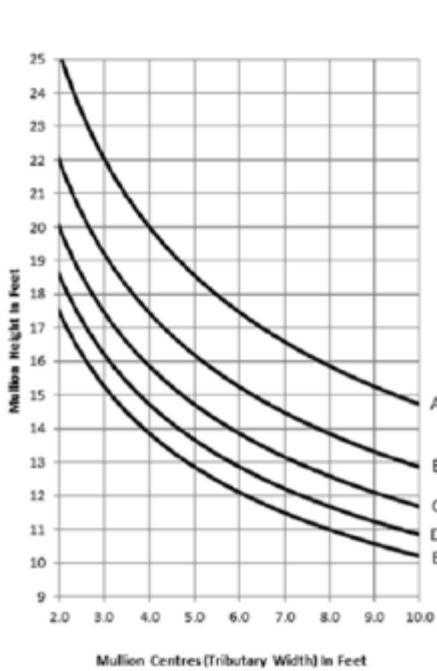
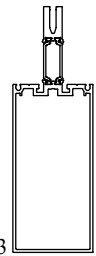
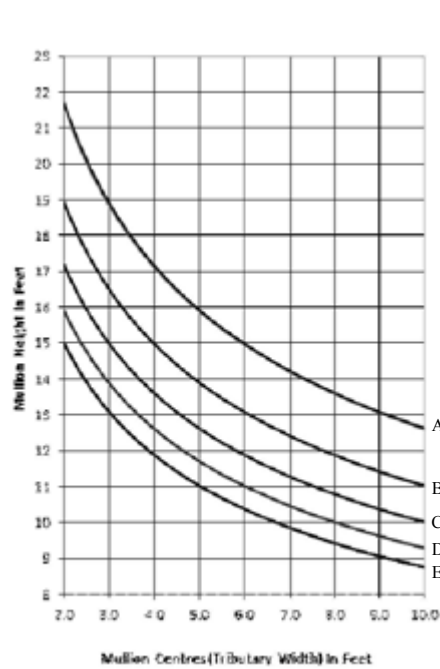
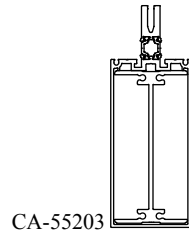
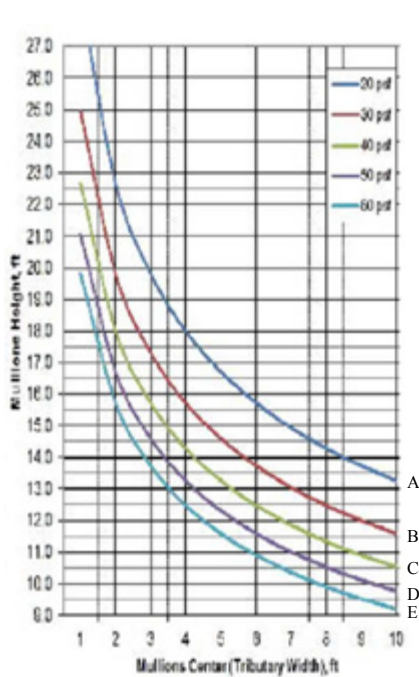


5500 HTP SERIES

WIND LOAD CHARTS



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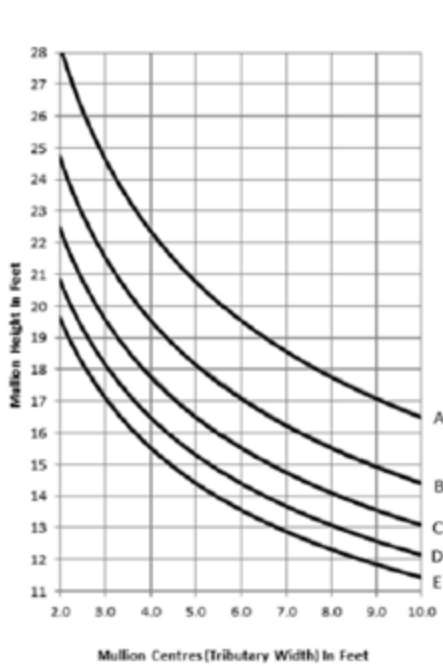


5500 HTP SERIES

WIND LOAD CHARTS



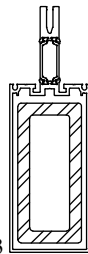
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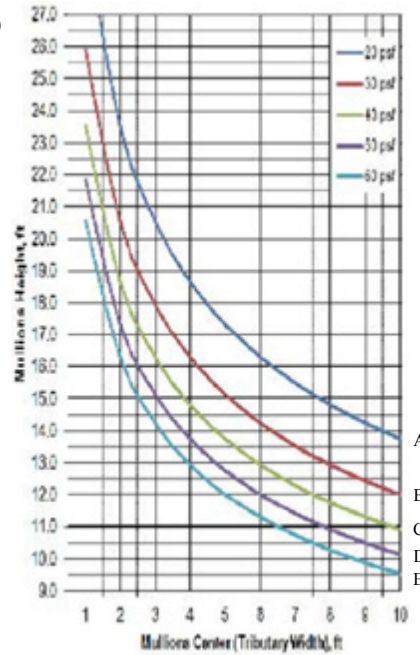
$2\frac{1}{2} \times 5\frac{1}{4}$ "
(63.5mmx133.4mm)
triple glazed
with $\frac{3}{8}$ " steel

$I_{xx} = 29.443 \text{ in}^4$
 $S_{xx} = 7.127 \text{ in}^3$

A- 20 PSF
B- 30 PSF
C- 40 PSF
D- 50 PSF
E- 60 PSF



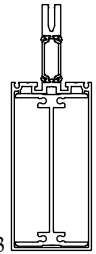
CA-55303



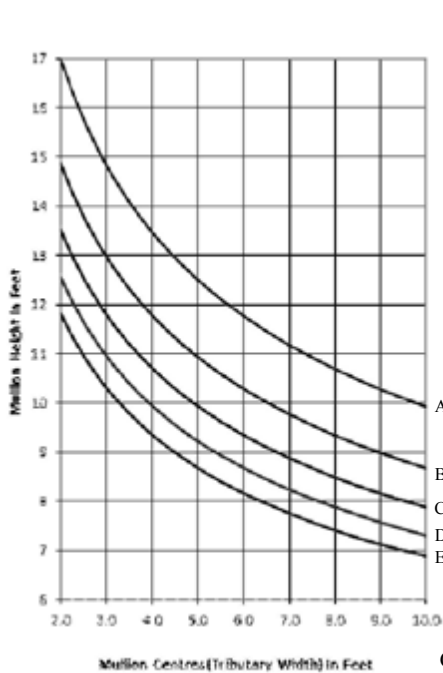
$2\frac{1}{2} \times 5\frac{1}{4}$ "
(63.5mmx133.4mm)
triple glazed
with extruded I-beam

$I_{xx} = 16.905 \text{ in}^4$
 $S_{xx} = 4.015 \text{ in}^3$

A- 20 PSF
B- 30 PSF
C- 40 PSF
D- 50 PSF
E- 60 PSF



CA-55303



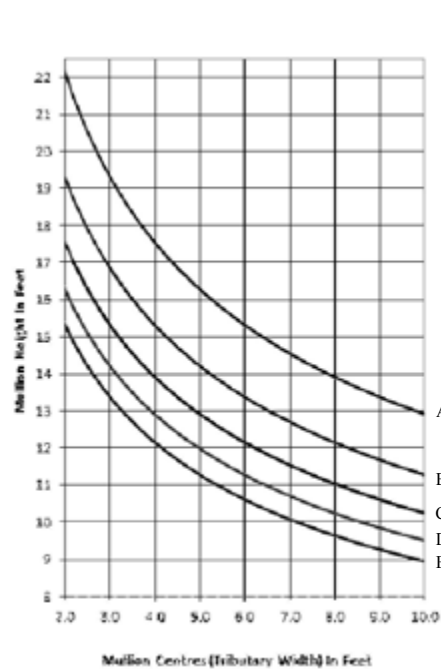
$2\frac{1}{2} \times 5\frac{1}{4}$ "
(63.5mmx133.4mm)
SSG

$I_{xx} = 6.420 \text{ in}^4$
 $S_{xx} = 2.130 \text{ in}^3$

A- 20 PSF
B- 30 PSF
C- 40 PSF
D- 50 PSF
E- 60 PSF



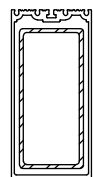
C-55048



$2\frac{1}{2} \times 5\frac{1}{4}$ "
(63.5mmx133.4mm)
SSG with $\frac{1}{8}$ " steel

$I_{xx} = 14.105 \text{ in}^4$
 $S_{xx} = 4.680 \text{ in}^3$

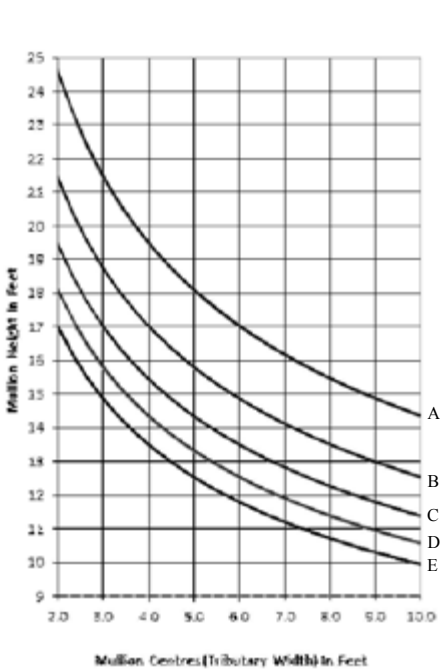
A- 20 PSF
B- 30 PSF
C- 40 PSF
D- 50 PSF
E- 60 PSF



C-55048

5500 HTP SERIES

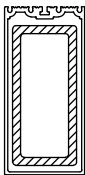
WIND LOAD CHARTS



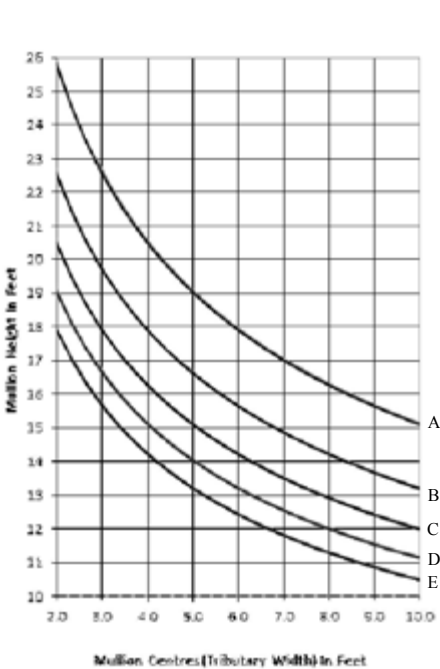
2 1/2 x 5 1/4"
(63.5mmx133.4mm)
SSG with 1/4" steel

Ixx = 19.441 in⁴
Sxx = 6.450 in³

- A- 20 PSF
- B- 30 PSF
- C- 40 PSF
- D- 50 PSF
- E- 60 PSF



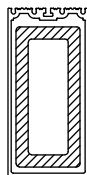
C-55048



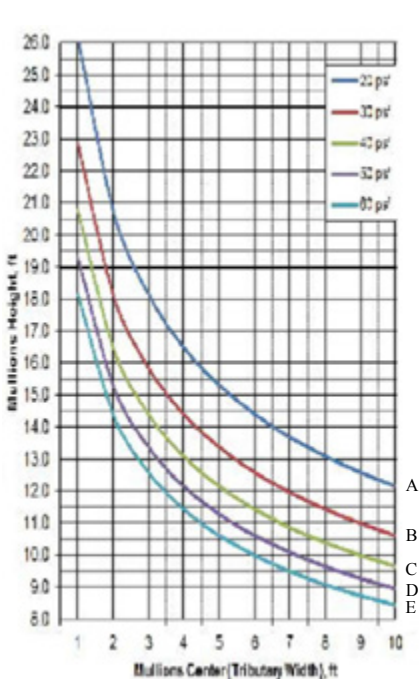
2 1/2 x 5 1/4"
(63.5mmx133.4mm)
SSG with 3/8" steel

Ixx = 22.631 in⁴
Sxx = 7.508 in³

- A- 20 PSF
- B- 30 PSF
- C- 40 PSF
- D- 50 PSF
- E- 60 PSF



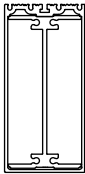
C-55048



2 1/2 x 5 1/4"
(63.5mmx133.4mm)
SSG with extruded
I-beam

Ixx = 11.643 in⁴
Sxx = 4.188 in³

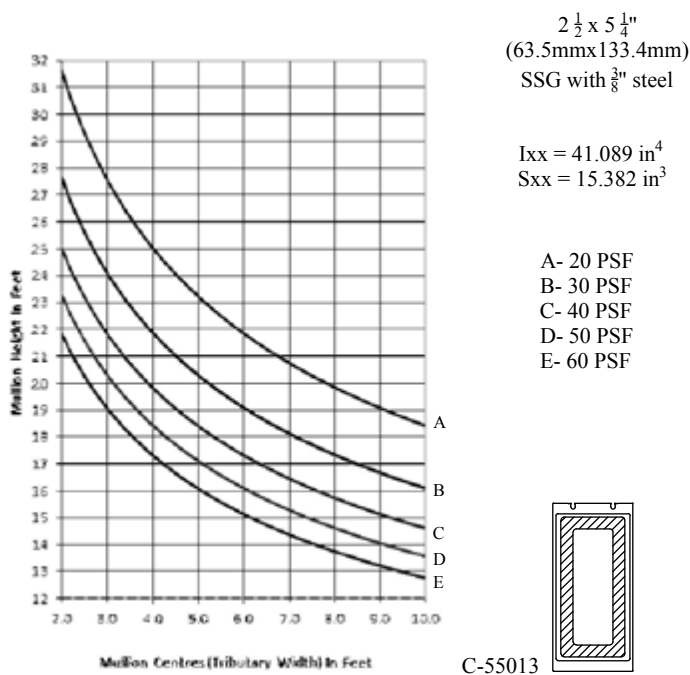
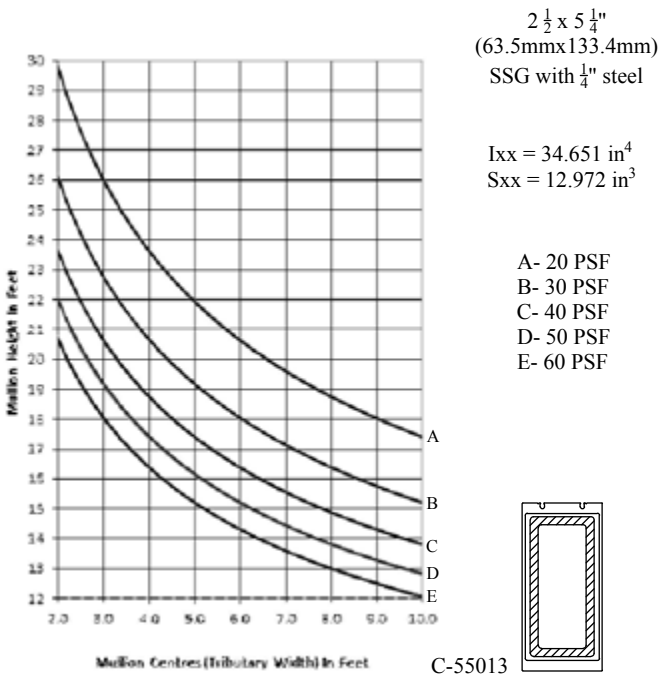
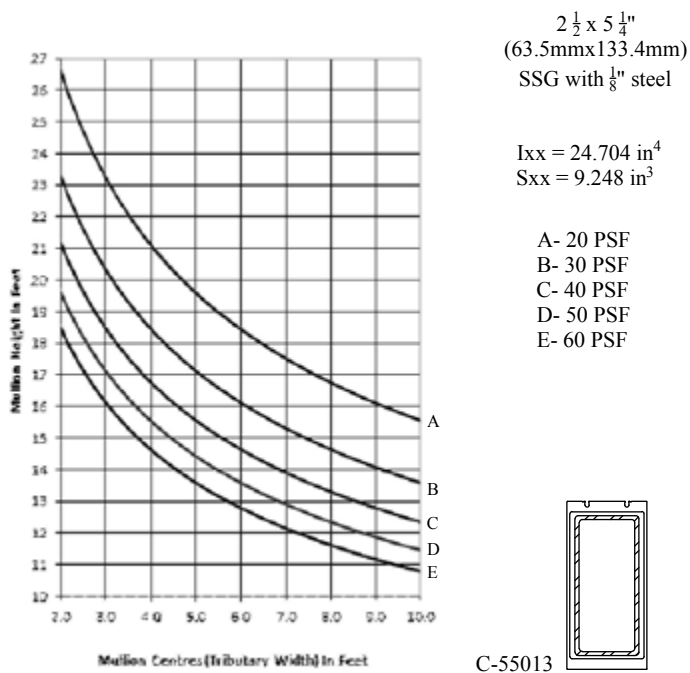
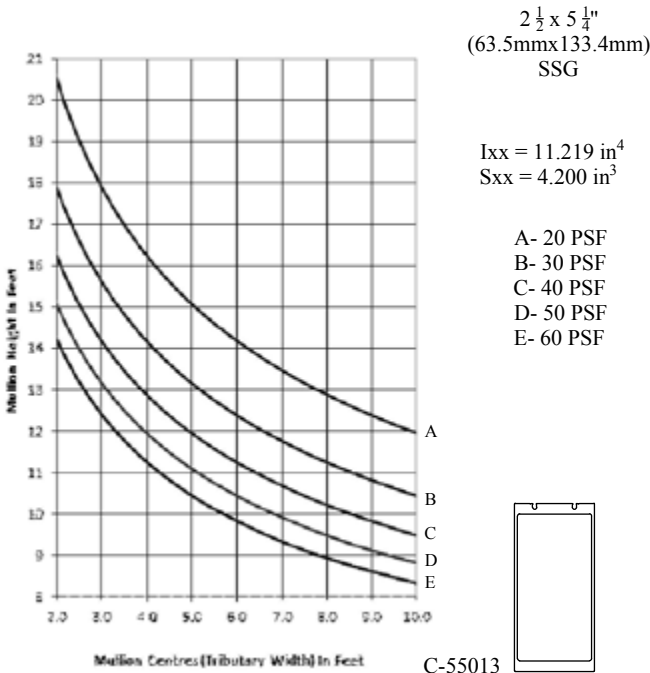
- A- 20 PSF
- B- 30 PSF
- C- 40 PSF
- D- 50 PSF
- E- 60 PSF



C-55048

5500 HTP SERIES

WIND LOAD CHARTS

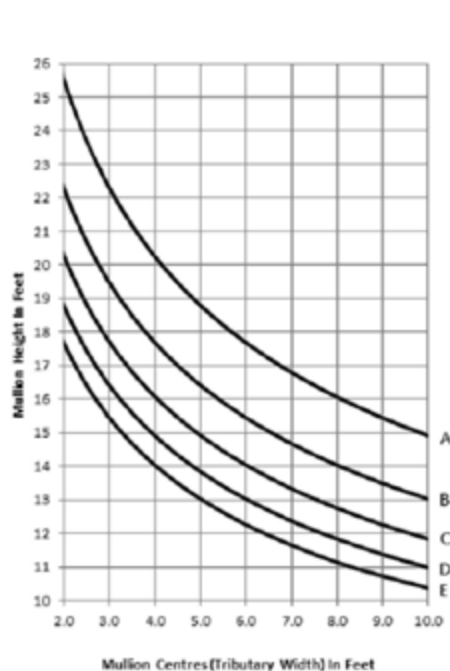


5500 HTP SERIES

WIND LOAD CHARTS

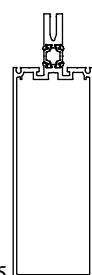


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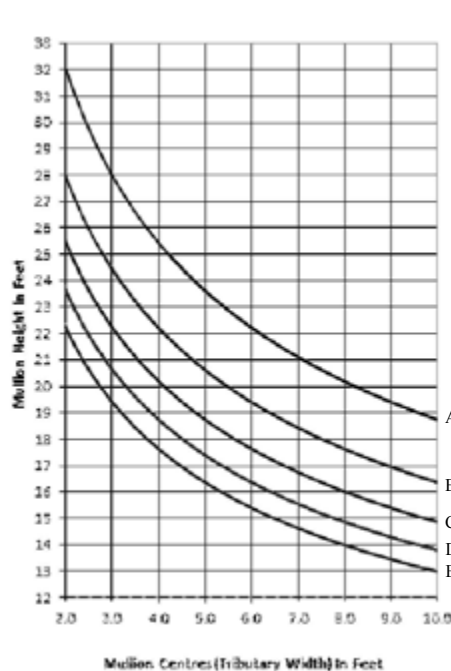


$2\frac{1}{2} \times 6\frac{5}{8}$ "
(63.5mmx168.3mm)
double glazed

$I_{xx} = 21.758 \text{ in}^4$
 $S_{xx} = 4.983 \text{ in}^3$

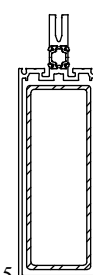


CA-55215

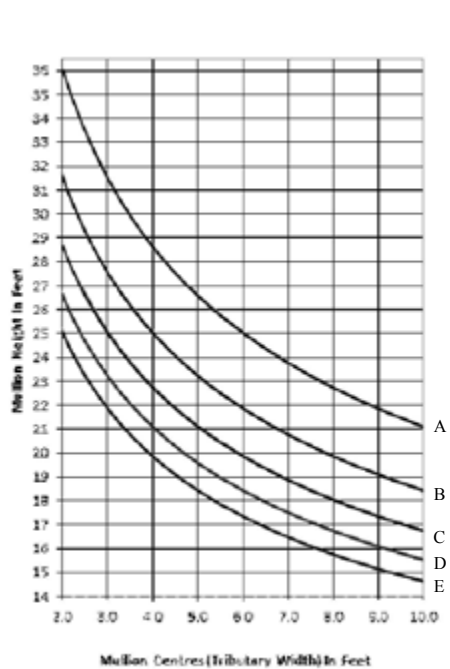


$2\frac{1}{2} \times 6\frac{5}{8}$ "
(63.5mmx168.3mm)
double glazed
with $\frac{1}{8}$ " steel

$I_{xx} = 43.276 \text{ in}^4$
 $S_{xx} = 5.804 \text{ in}^3$

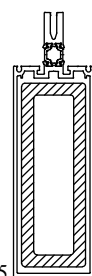


CA-55215

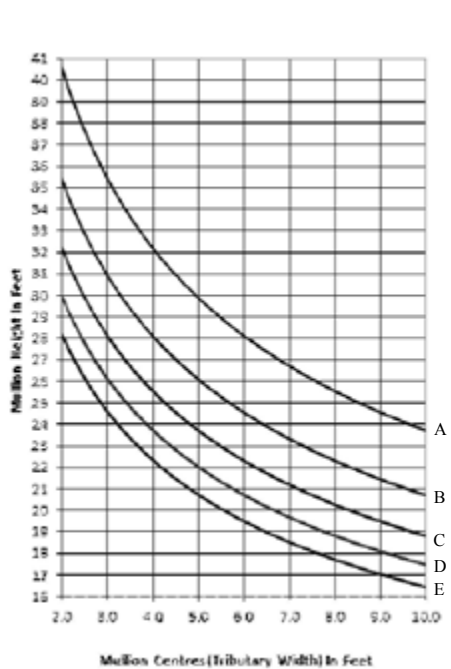


$2\frac{1}{2} \times 6\frac{5}{8}$ "
(63.5mmx168.3mm)
double glazed
with $\frac{1}{4}$ " steel

$I_{xx} = 61.778 \text{ in}^4$
 $S_{xx} = 14.148 \text{ in}^3$

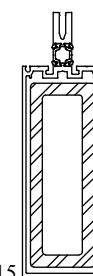


CA-55215



$2\frac{1}{2} \times 6\frac{5}{8}$ "
(63.5mmx168.3mm)
double glazed
with $\frac{3}{8}$ " steel

$I_{xx} = 87.588 \text{ in}^4$
 $S_{xx} = 19.878 \text{ in}^3$



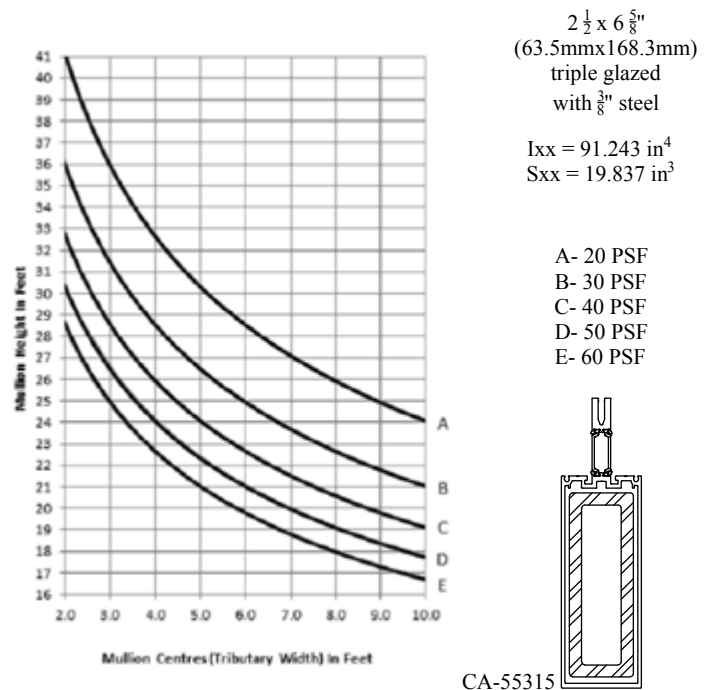
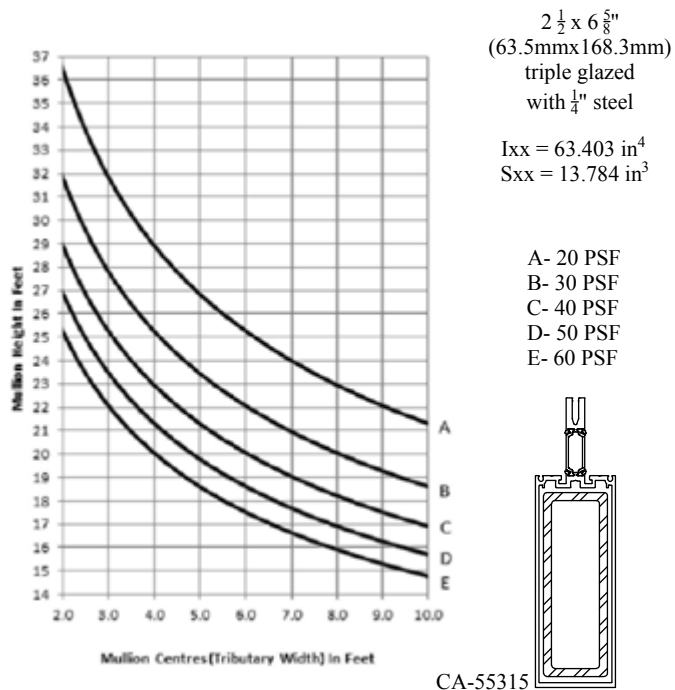
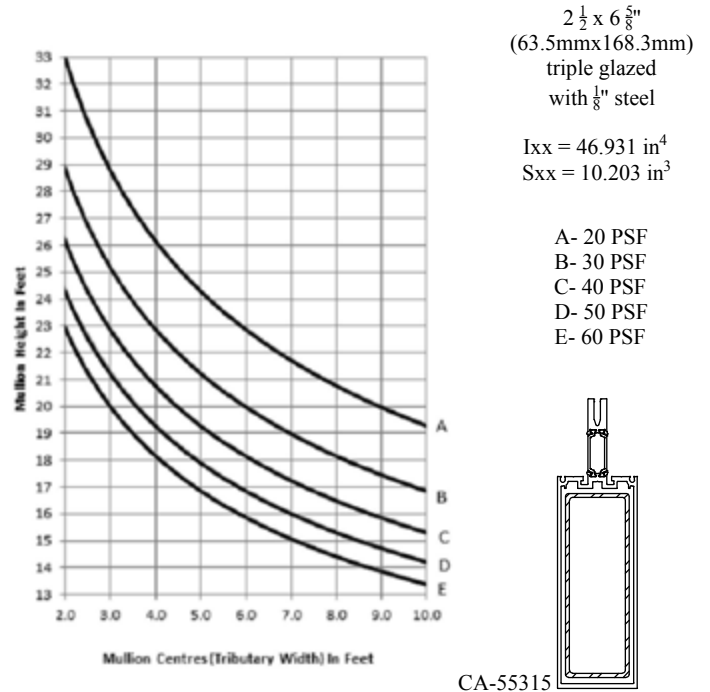
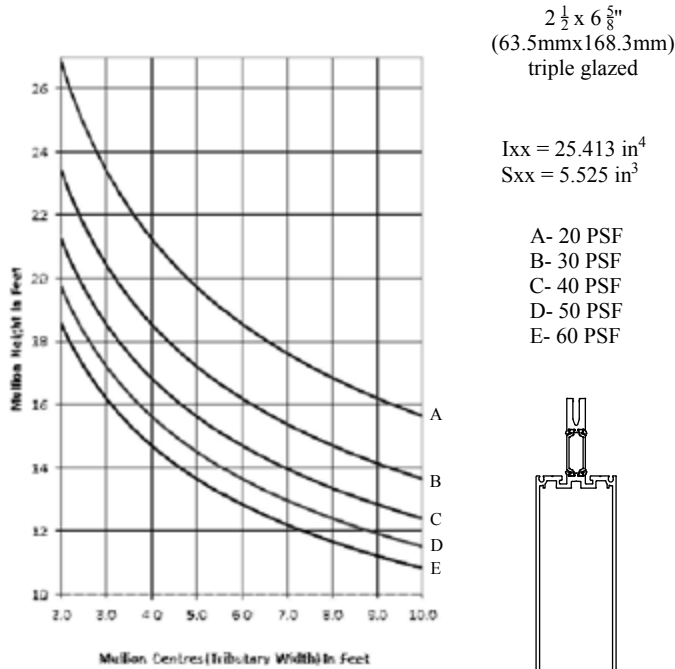
CA-55215

5500 HTP SERIES

WIND LOAD CHARTS

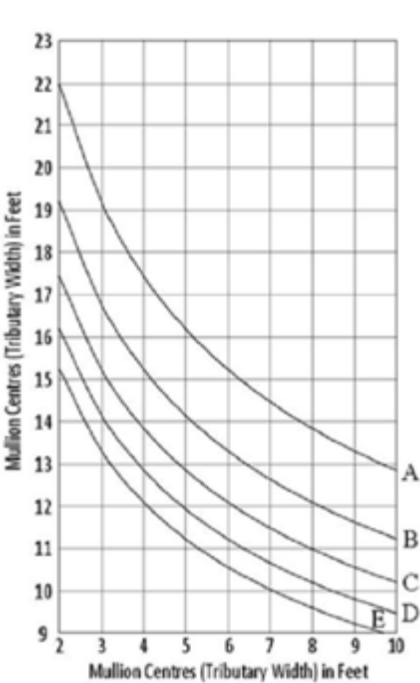


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5500 HTP SERIES

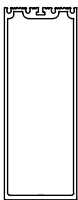
WIND LOAD CHARTS



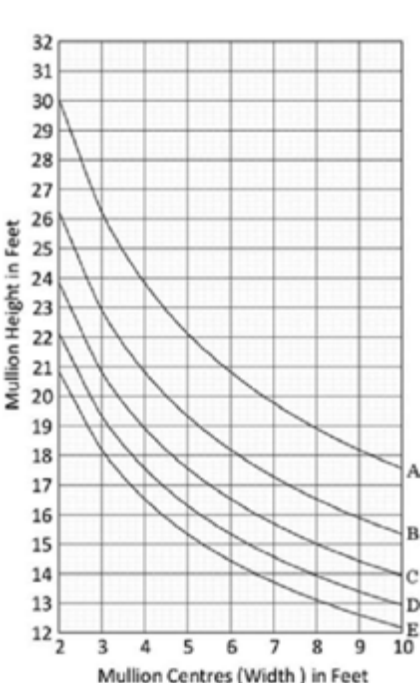
$2\frac{1}{2} \times 6\frac{5}{8}$ "
(63.5mmx168.8mm)
SSG

$I_{xx} = 13.919 \text{ in}^4$
 $S_{xx} = 3.95 \text{ in}^3$

- A- 20 PSF
- B- 30 PSF
- C- 40 PSF
- D- 50 PSF
- E- 60 PSF



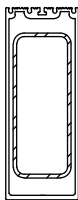
C-55024



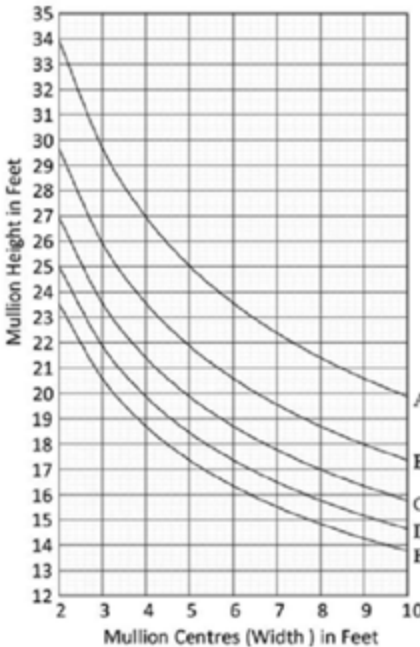
$2\frac{1}{2} \times 6\frac{5}{8}$ "
(63.5mmx168.8mm)
SSG with $\frac{1}{8}$ " steel

$I_{xx} = 35.54 \text{ in}^4$

- A- 20 PSF
- B- 30 PSF
- C- 40 PSF
- D- 50 PSF
- E- 60 PSF



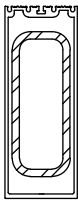
C-55024



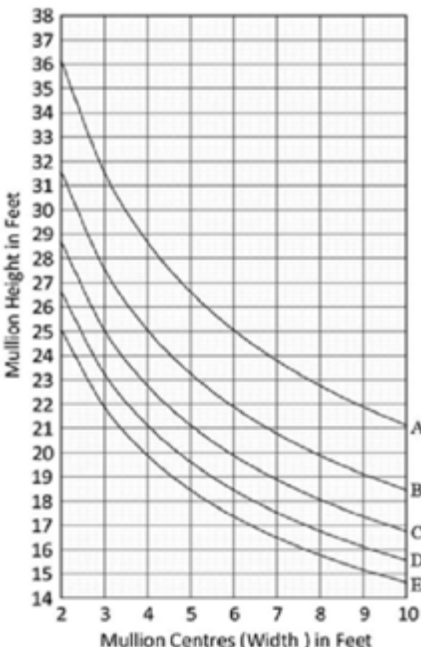
$2\frac{1}{2} \times 6\frac{5}{8}$ "
(63.5mmx168.8mm)
SSG with $\frac{1}{4}$ " steel

$I_{xx} = 51.49 \text{ in}^4$

- A- 20 PSF
- B- 30 PSF
- C- 40 PSF
- D- 50 PSF
- E- 60 PSF



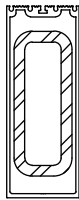
C-55024



$2\frac{1}{2} \times 6\frac{5}{8}$ "
(63.5mmx168.8mm)
SSG with $\frac{3}{8}$ " steel

$I_{xx} = 61.84 \text{ in}^4$

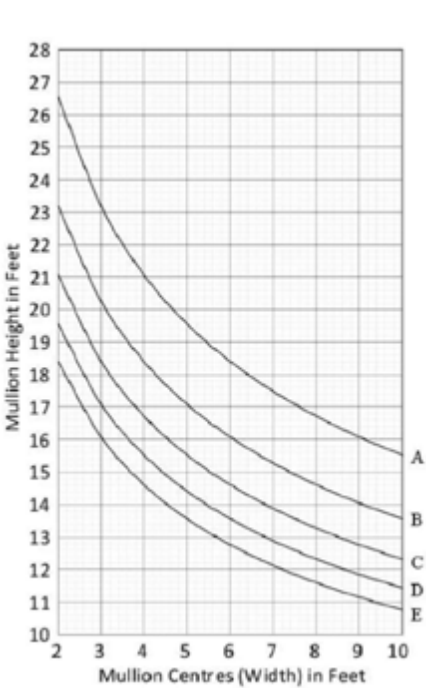
- A- 20 PSF
- B- 30 PSF
- C- 40 PSF
- D- 50 PSF
- E- 60 PSF



C-55024

5500 HTP SERIES

WIND LOAD CHARTS

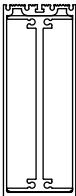


$2\frac{1}{2} \times 6\frac{5}{8}$ "
(63.5mmx168.8mm)
SSG

$I_{xx} = 24.535 \text{ in}^4$

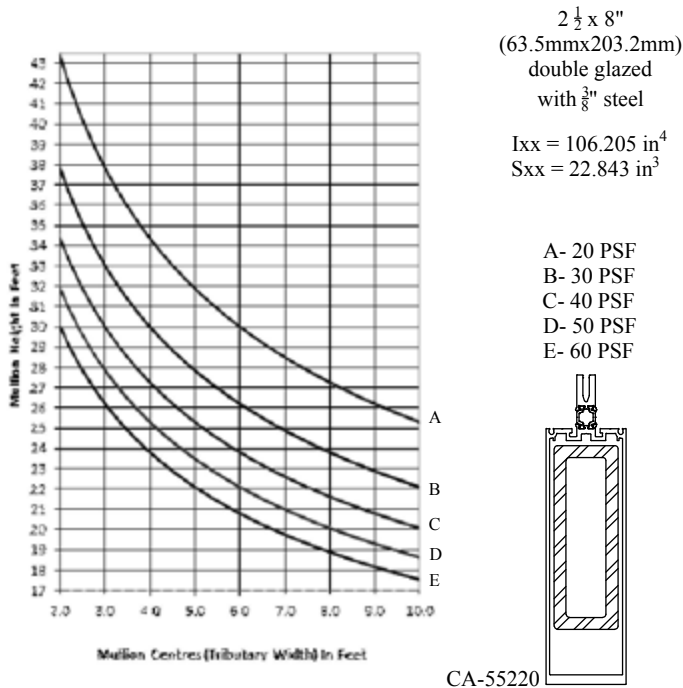
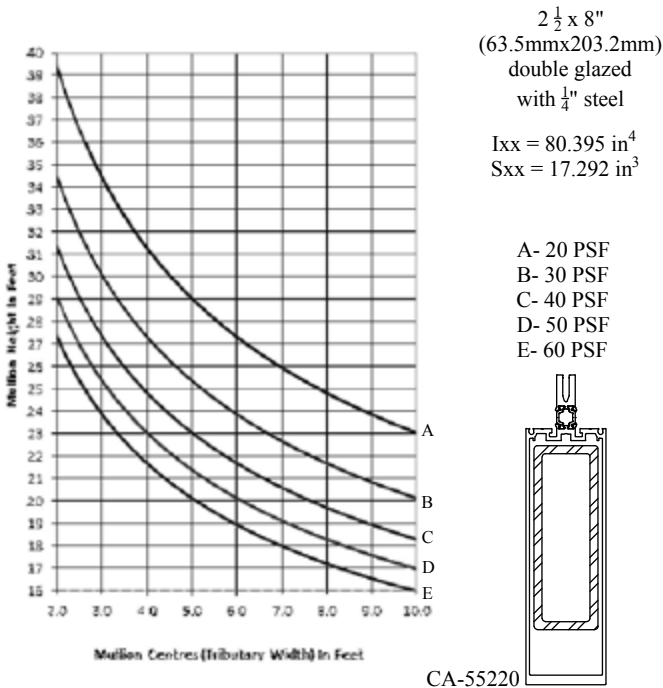
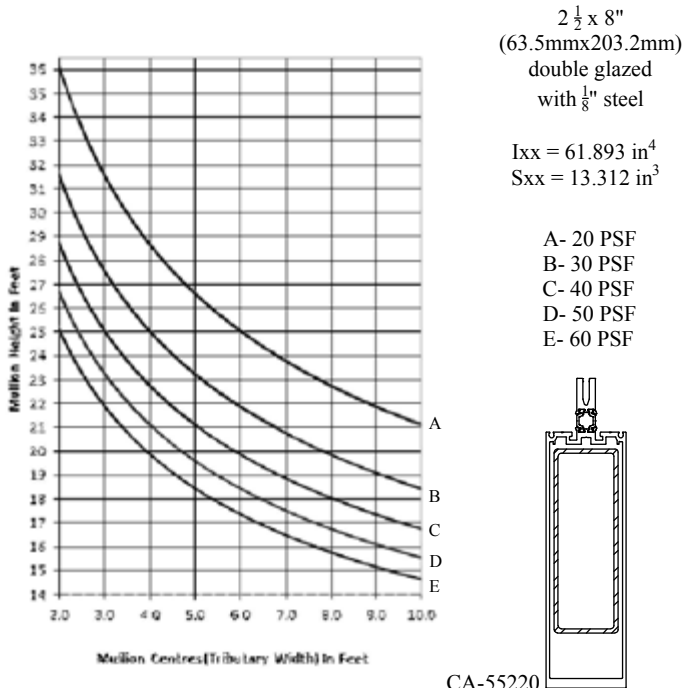
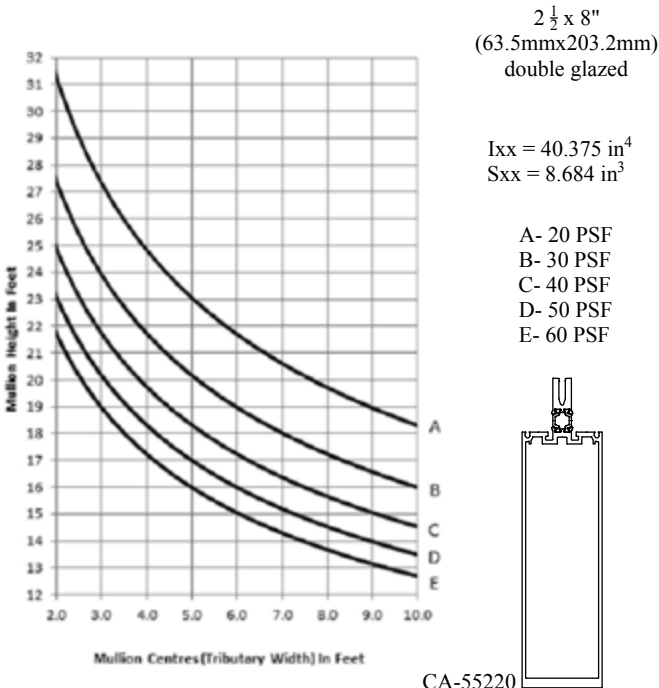
- A- 20 PSF
- B- 30 PSF
- C- 40 PSF
- D- 50 PSF
- E- 60 PSF

C-55024



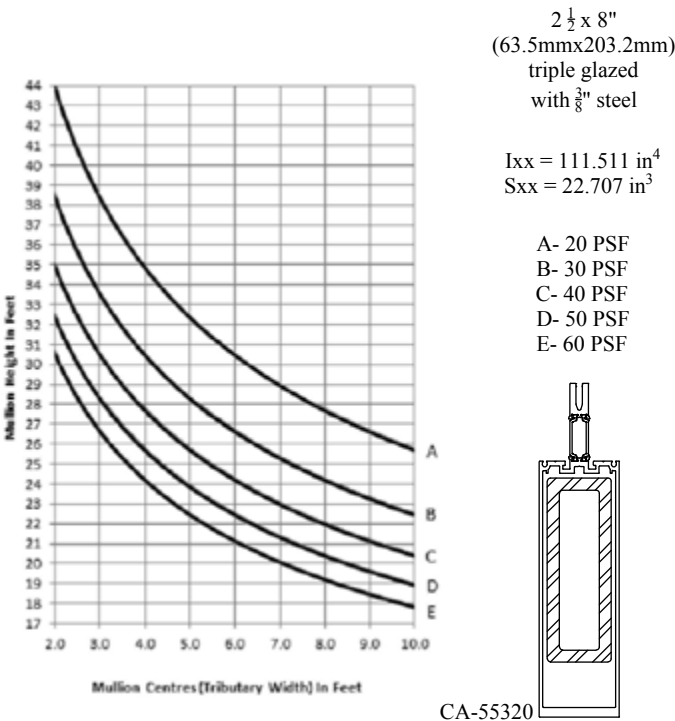
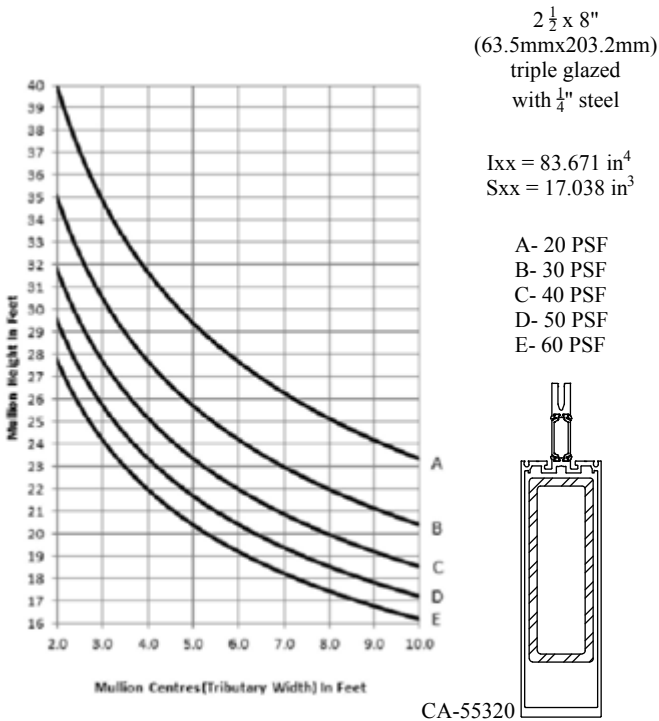
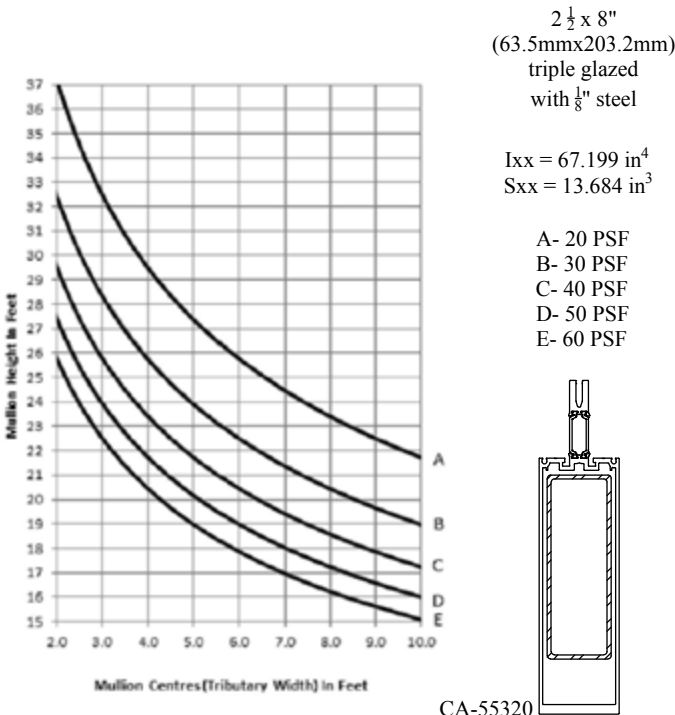
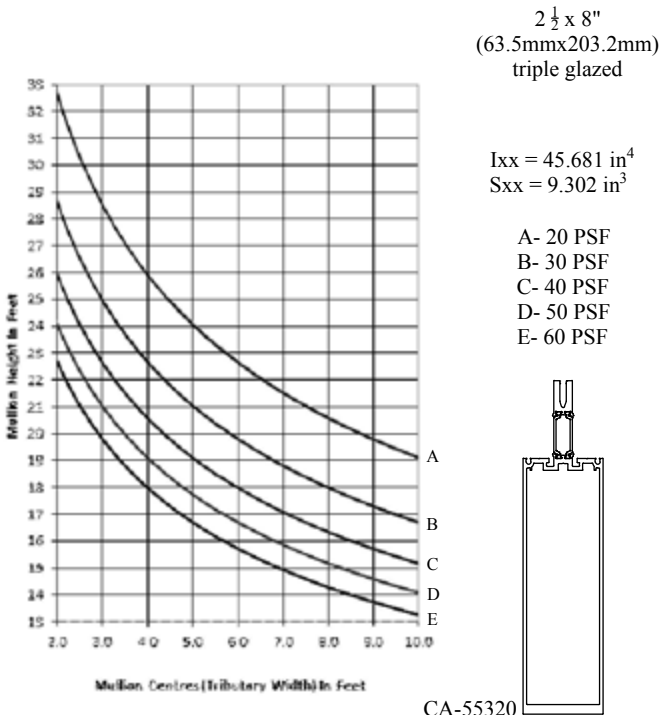
5500 HTP SERIES

WIND LOAD CHARTS



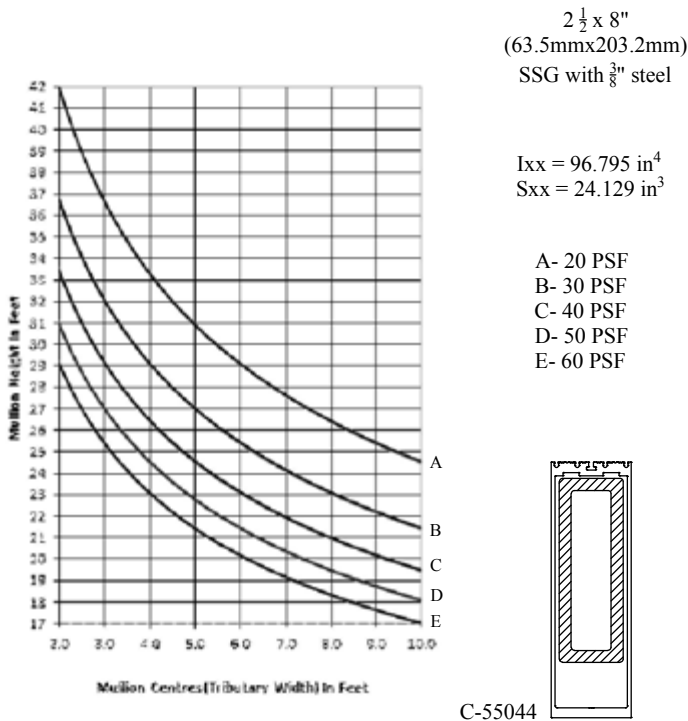
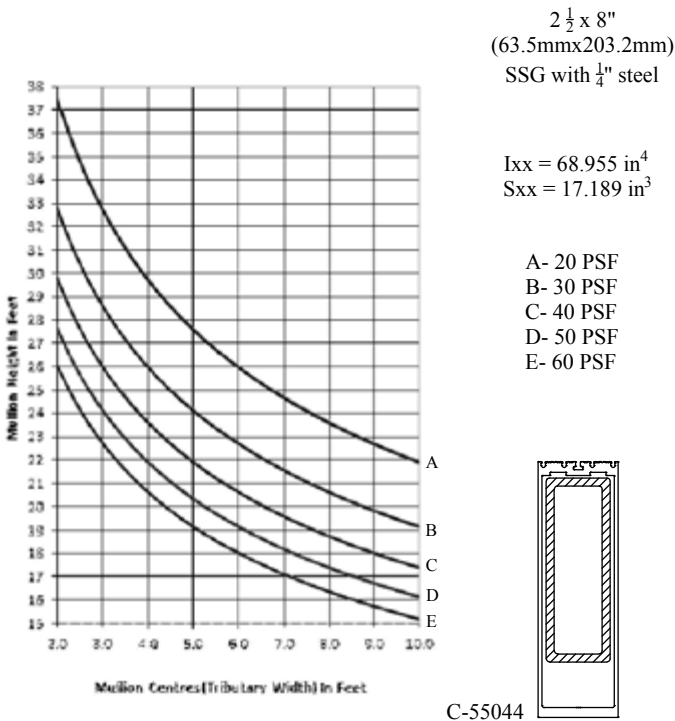
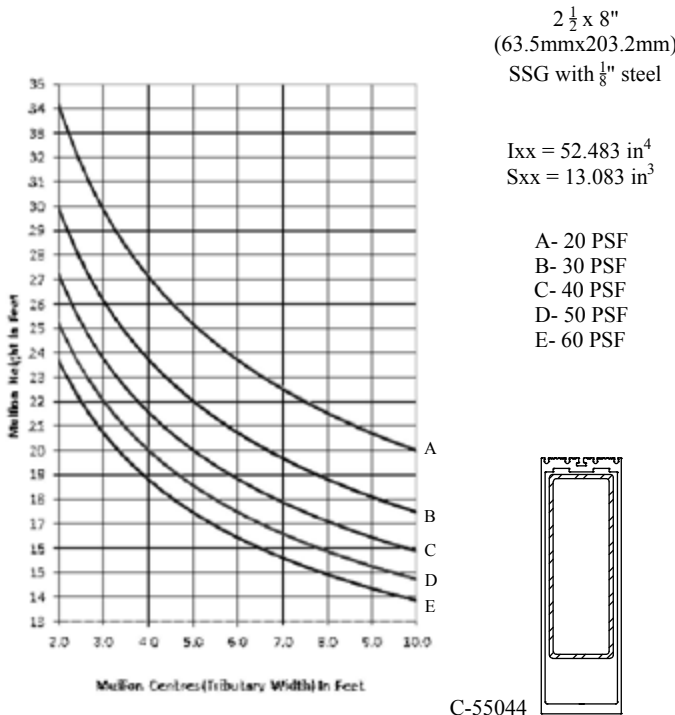
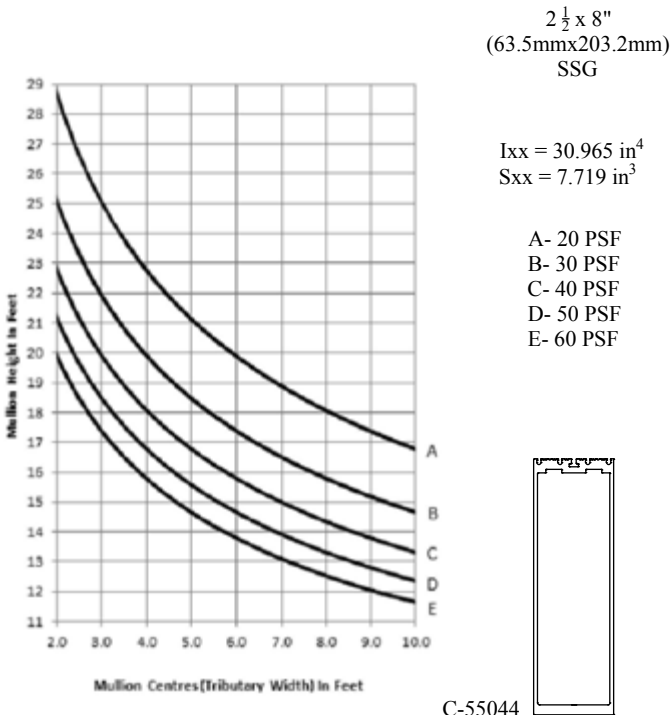
5500 HTP SERIES

WIND LOAD CHARTS



5500 HTP SERIES

WIND LOAD CHARTS

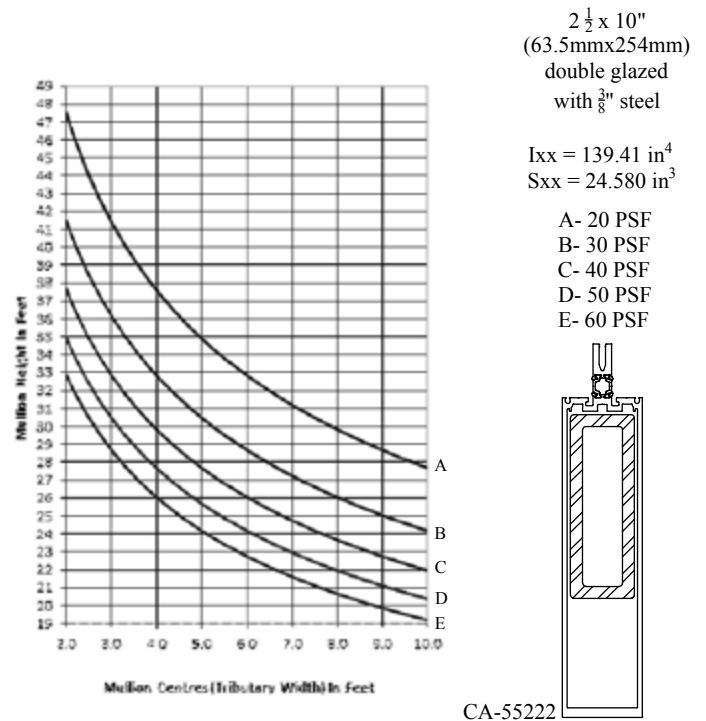
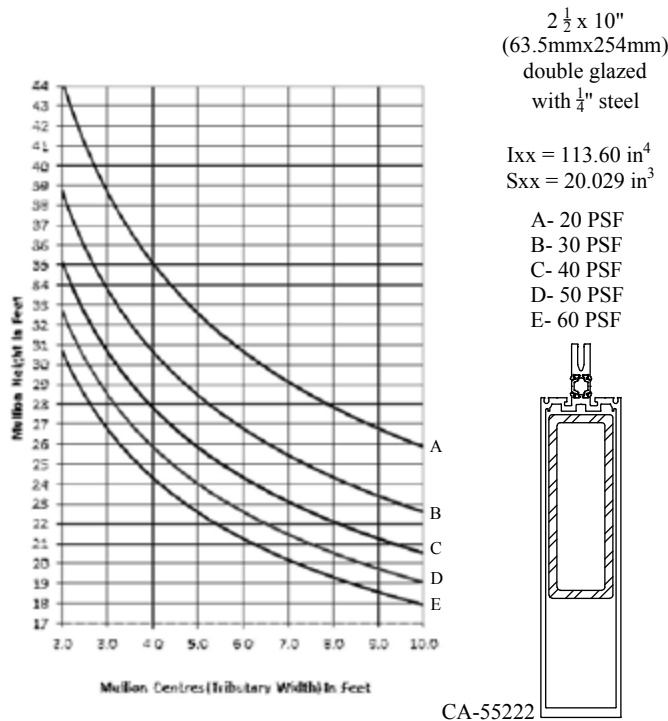
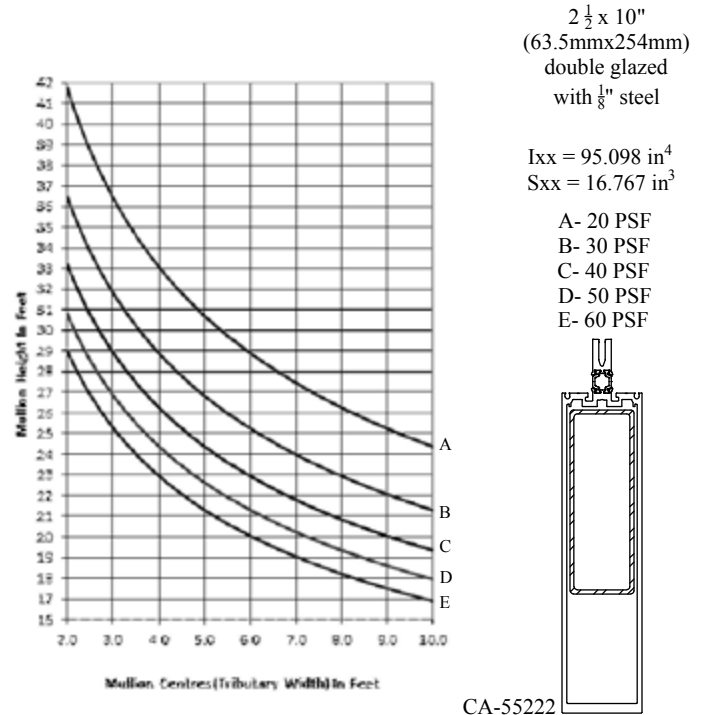
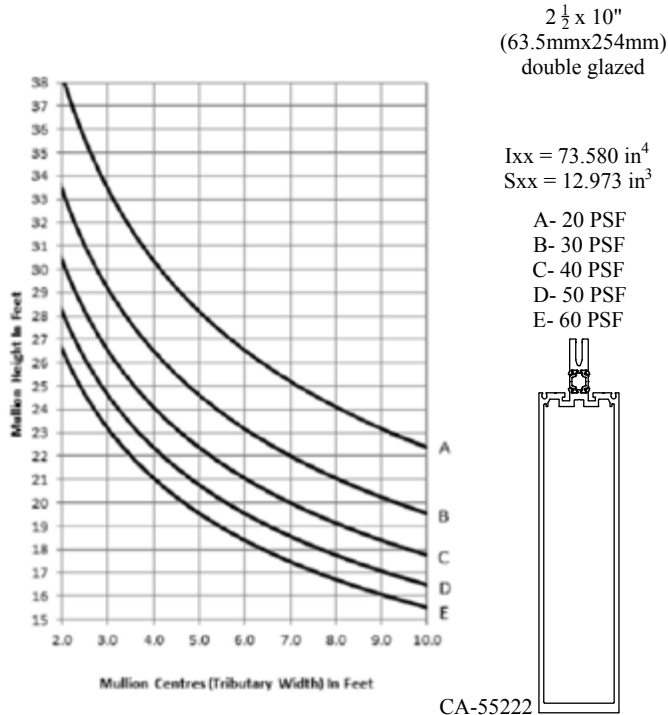


5500 HTP SERIES

WIND LOAD CHARTS



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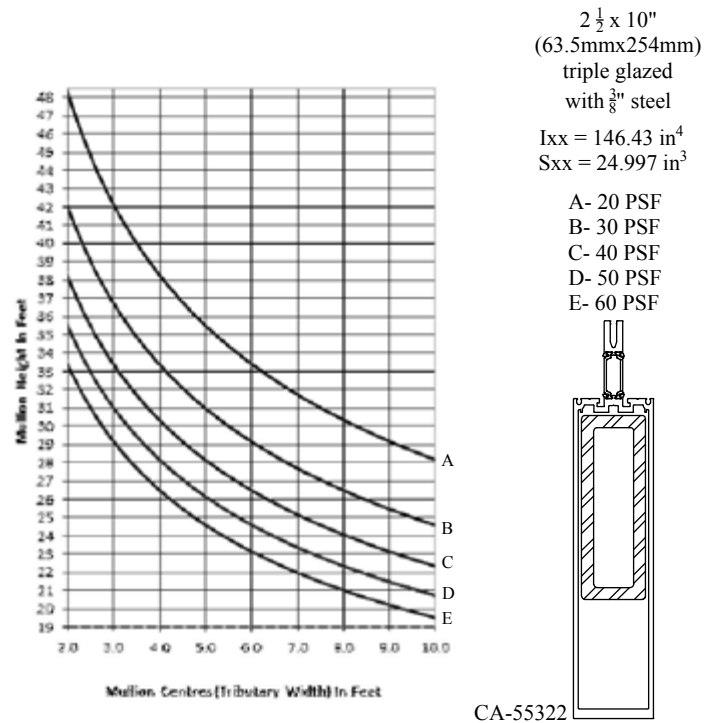
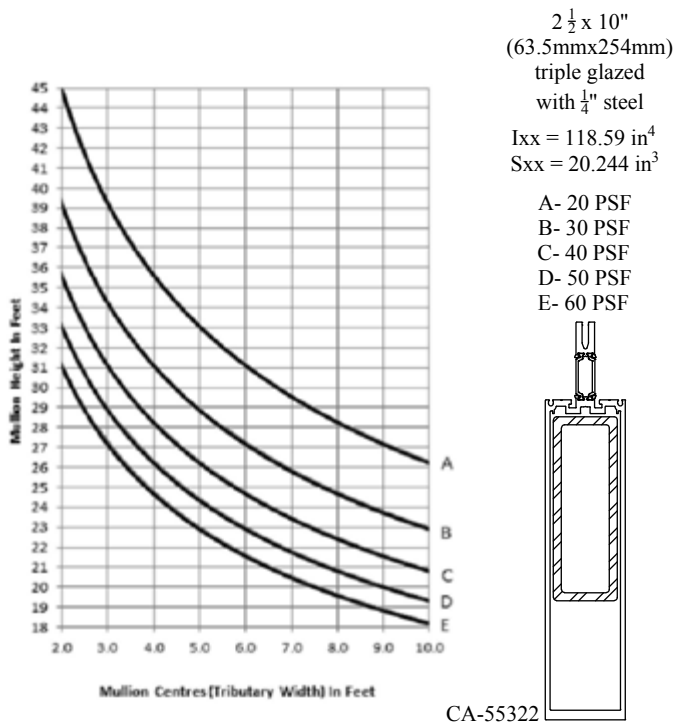
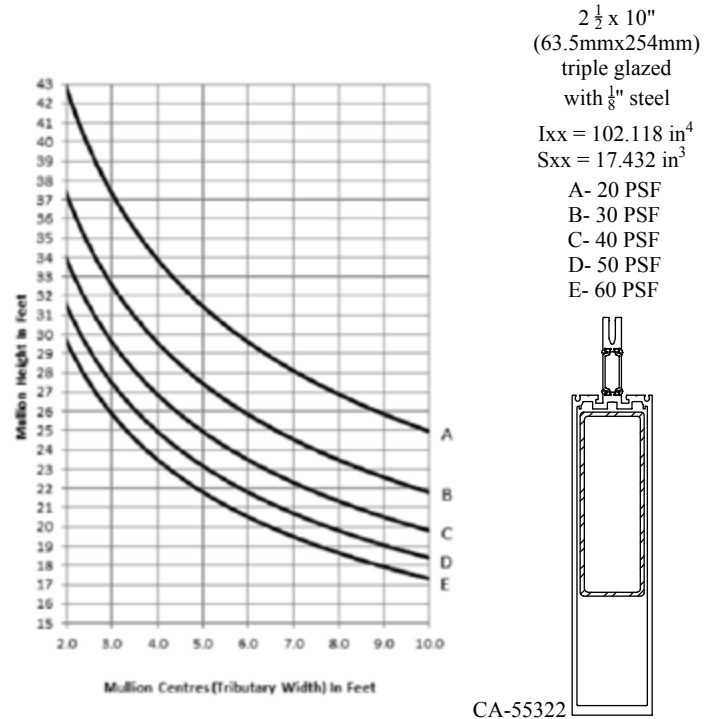
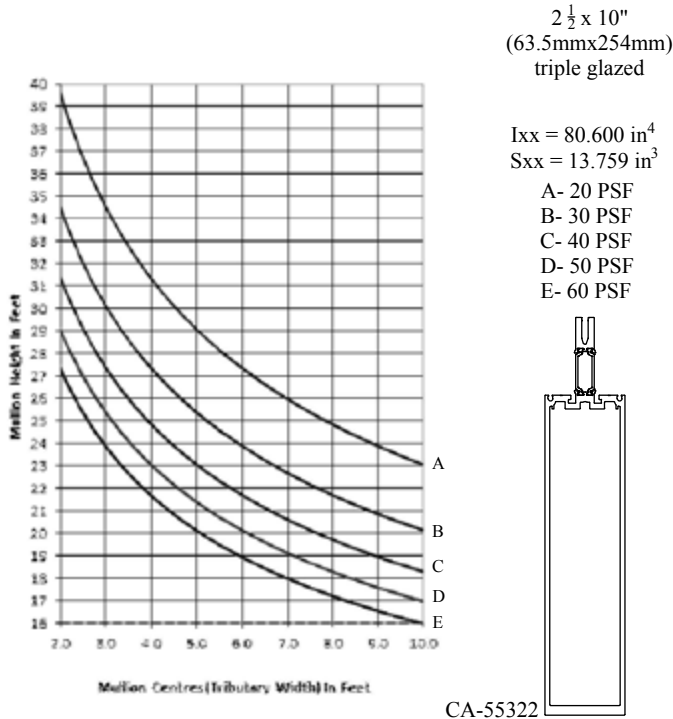


5500 HTP SERIES

WIND LOAD CHARTS

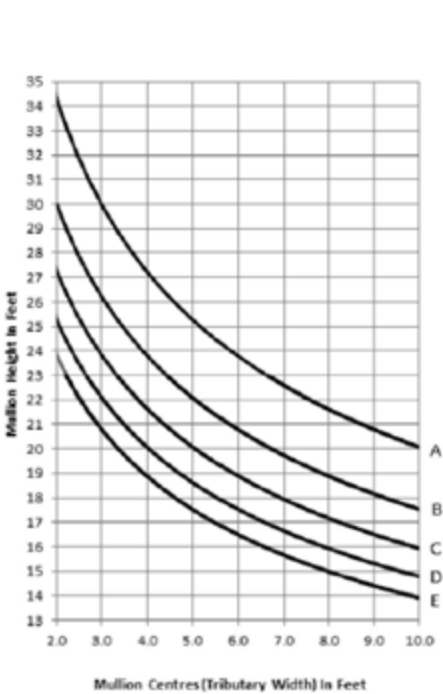


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5500 HTP SERIES

WIND LOAD CHARTS



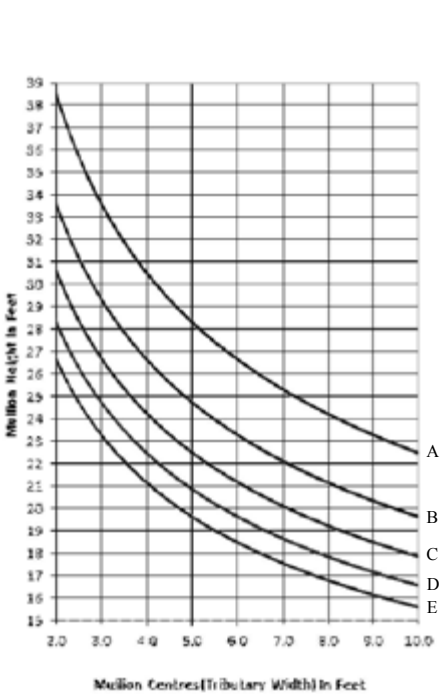
2 1/2 x 10"
(63.5mmx254mm)
SSG

$I_{xx} = 53.020 \text{ in}^4$
 $S_{xx} = 10.580 \text{ in}^3$

- A- 20 PSF
- B- 30 PSF
- C- 40 PSF
- D- 50 PSF
- E- 60 PSF



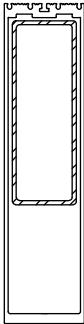
C-55050



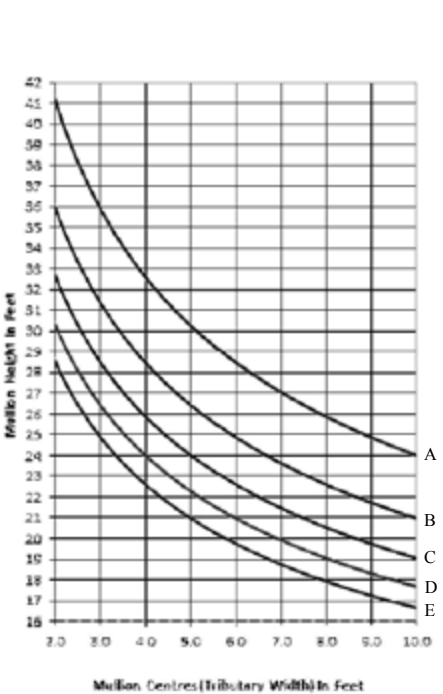
2 1/2 x 10"
(63.5mmx254mm)
SSG with 1/8" steel

$I_{xx} = 74.535 \text{ in}^4$
 $S_{xx} = 14.848 \text{ in}^3$

- A- 20 PSF
- B- 30 PSF
- C- 40 PSF
- D- 50 PSF
- E- 60 PSF



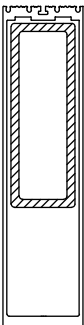
C-55050



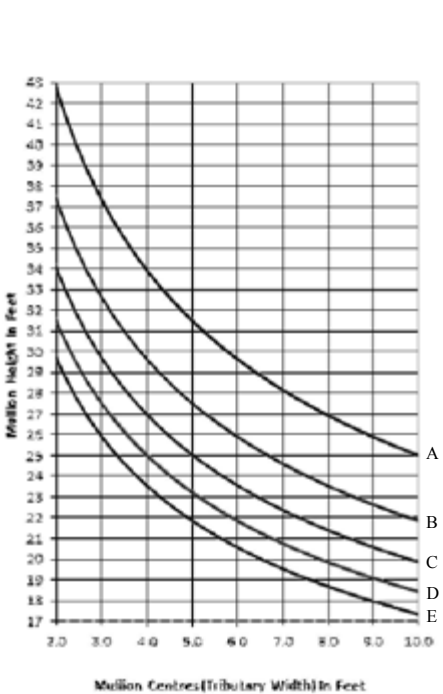
2 1/2 x 10"
(63.5mmx254mm)
SSG with 1/4" steel

$I_{xx} = 91.000 \text{ in}^4$
 $S_{xx} = 18.160 \text{ in}^3$

- A- 20 PSF
- B- 30 PSF
- C- 40 PSF
- D- 50 PSF
- E- 60 PSF



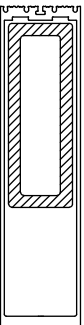
C-55050



2 1/2 x 10"
(63.5mmx254mm)
SSG with 3/8" steel

$I_{xx} = 102.60 \text{ in}^4$
 $S_{xx} = 18.09 \text{ in}^3$

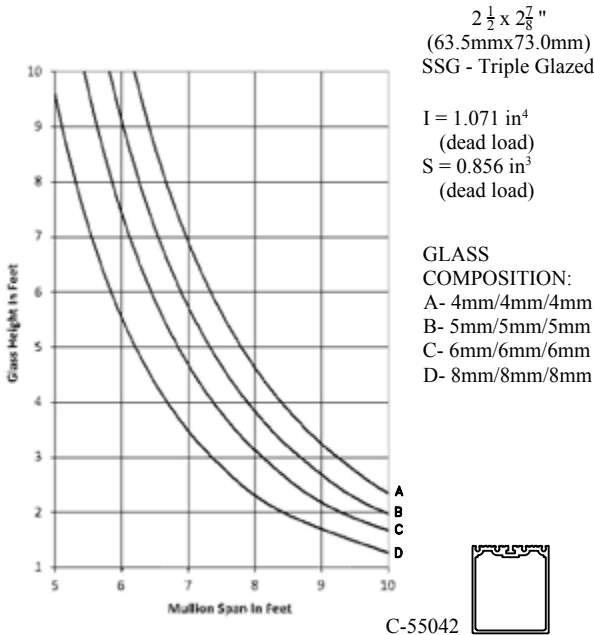
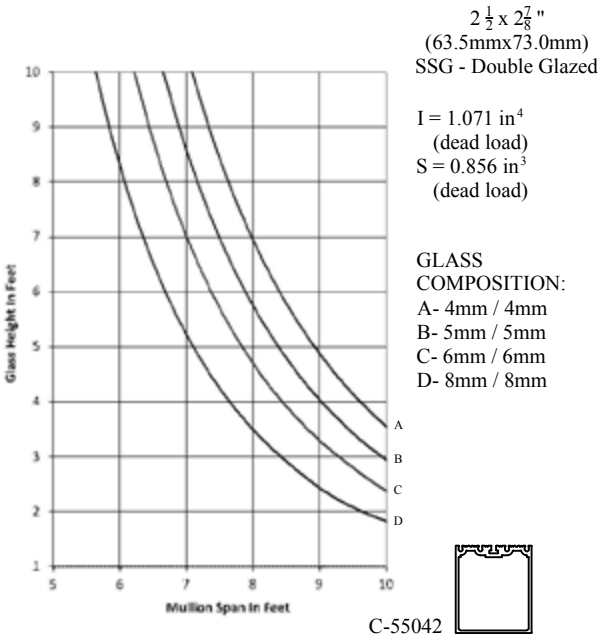
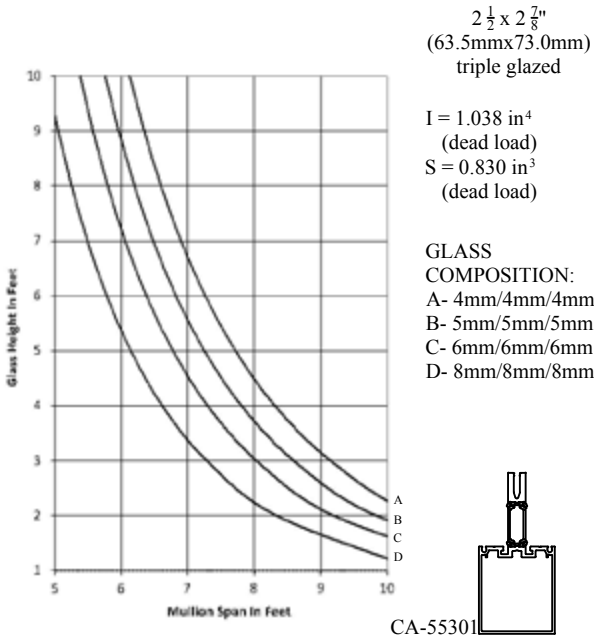
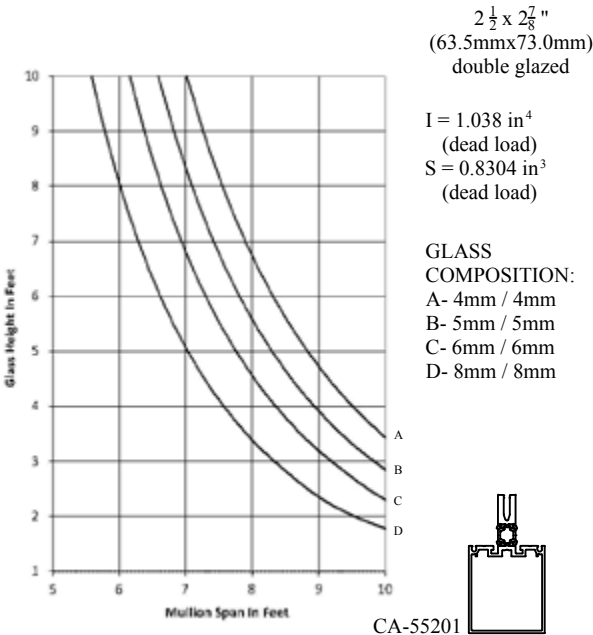
- A- 20 PSF
- B- 30 PSF
- C- 40 PSF
- D- 50 PSF
- E- 60 PSF



C-55050

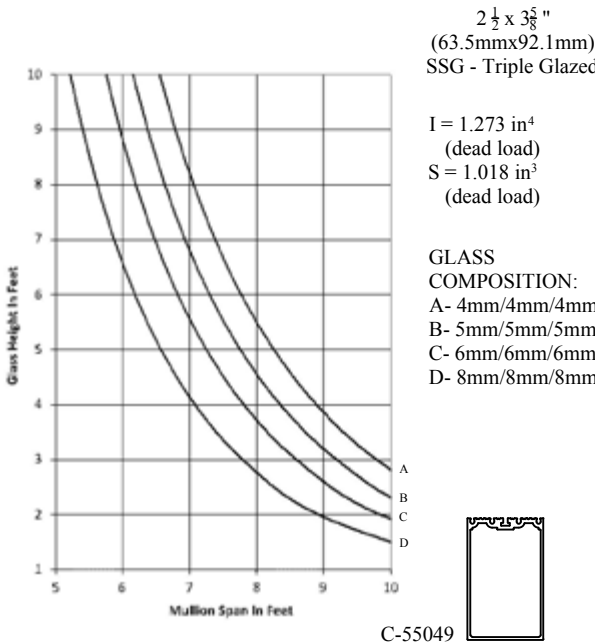
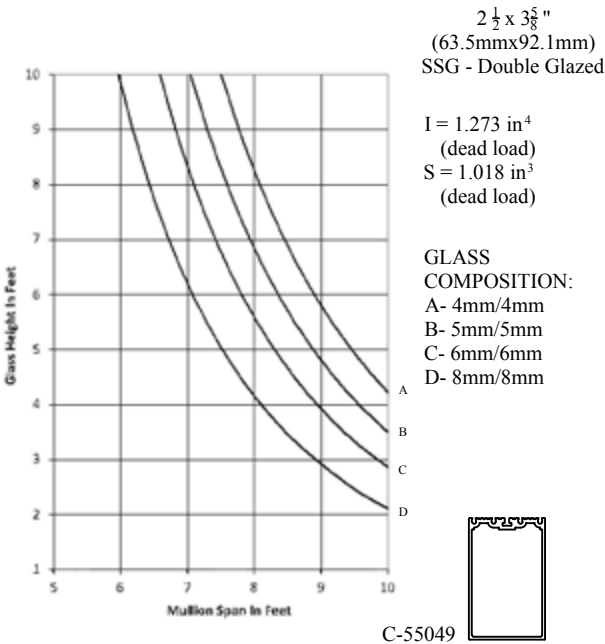
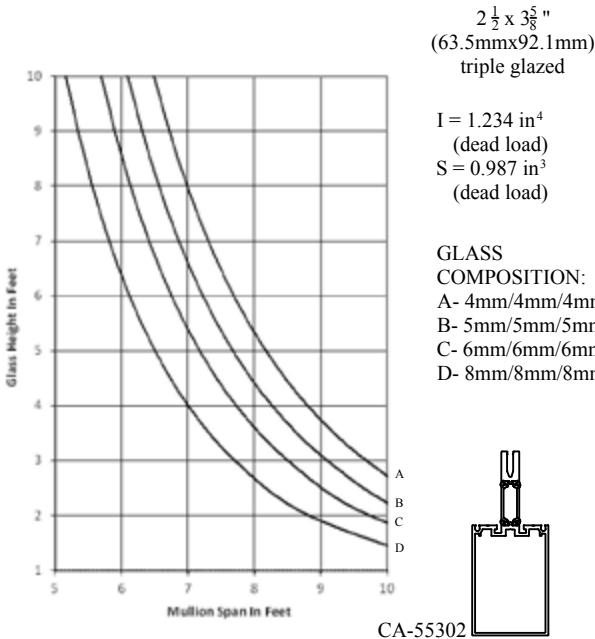
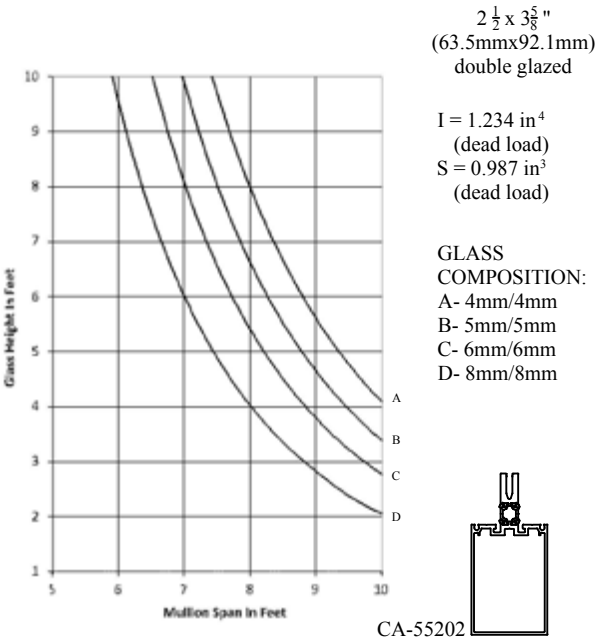
5500 HTP SERIES

DEAD LOAD CHARTS



5500 HTP SERIES

DEAD LOAD CHARTS

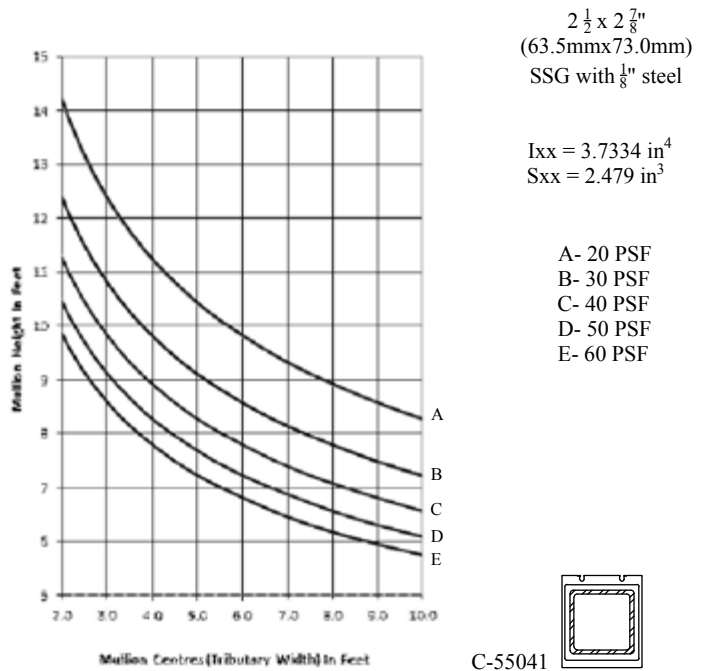
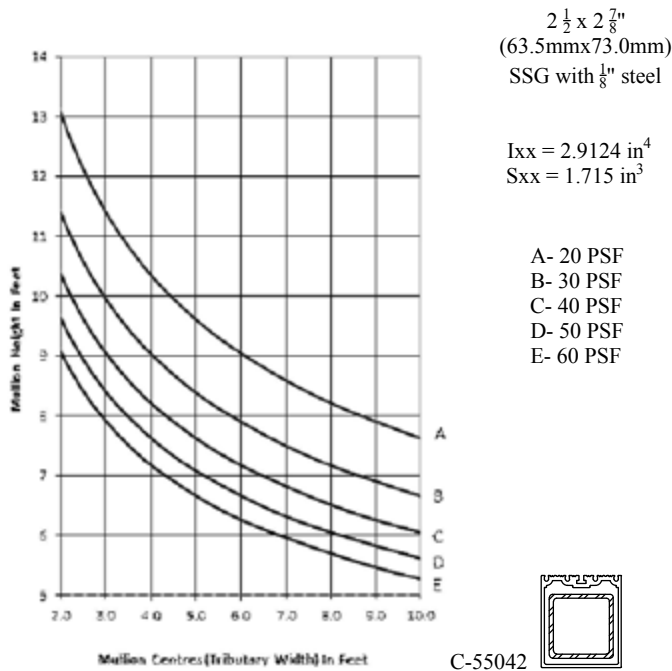
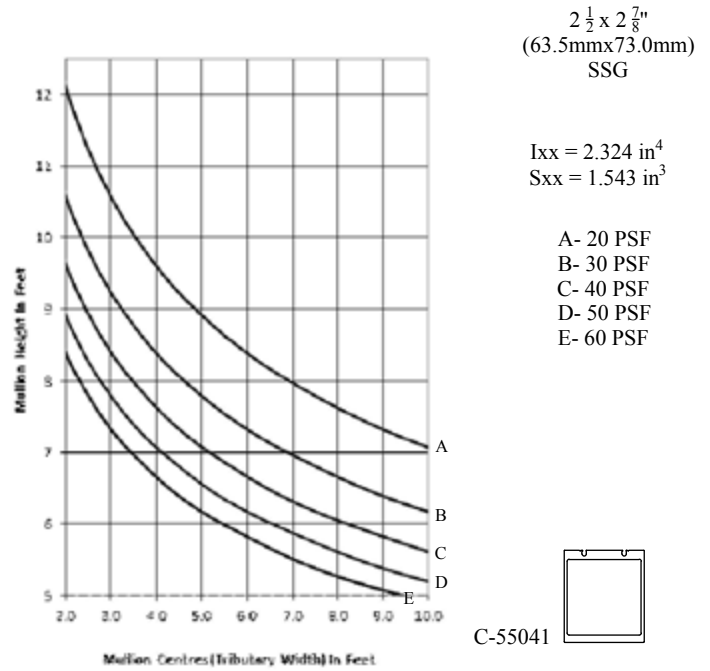
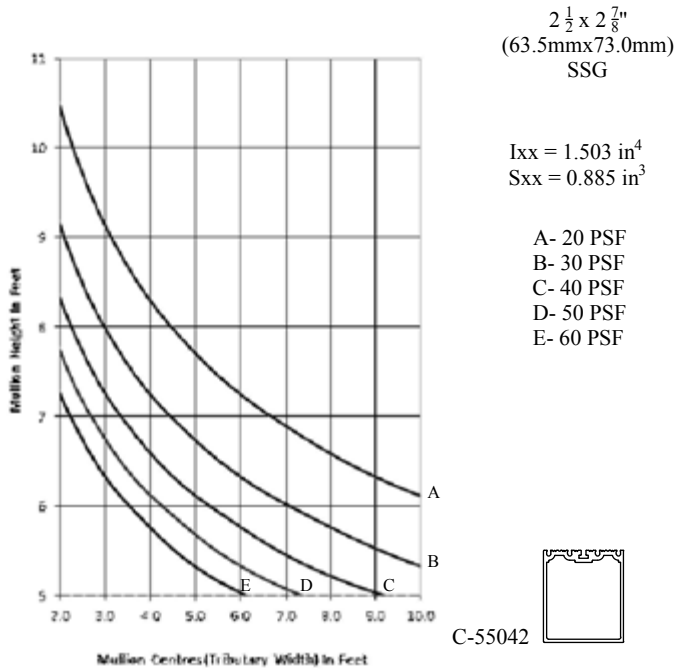


5500 HTP SERIES

DEAD LOAD CHARTS

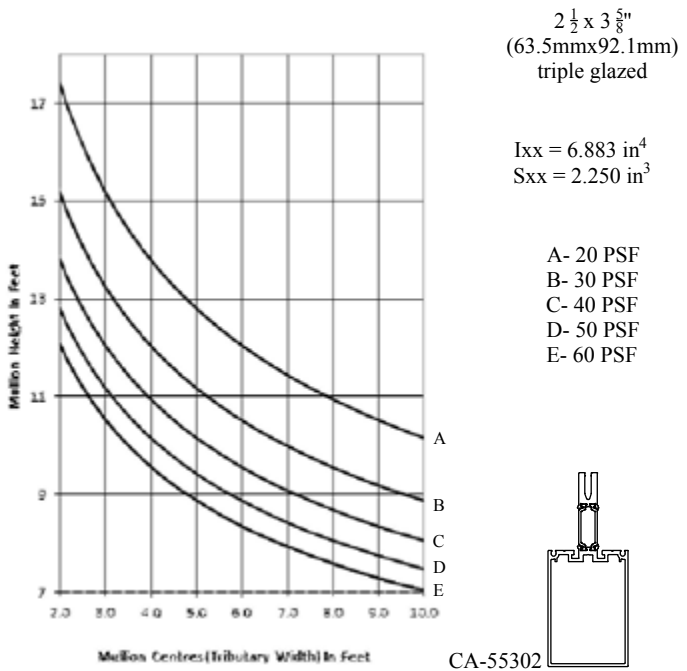
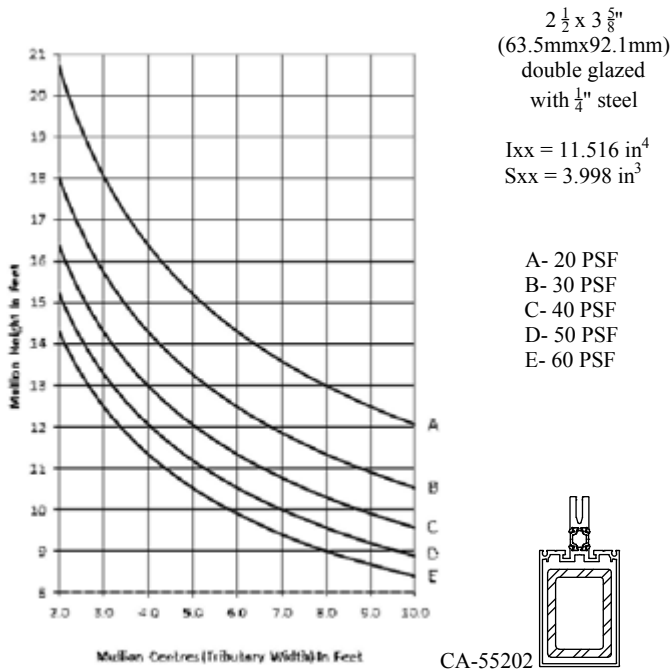
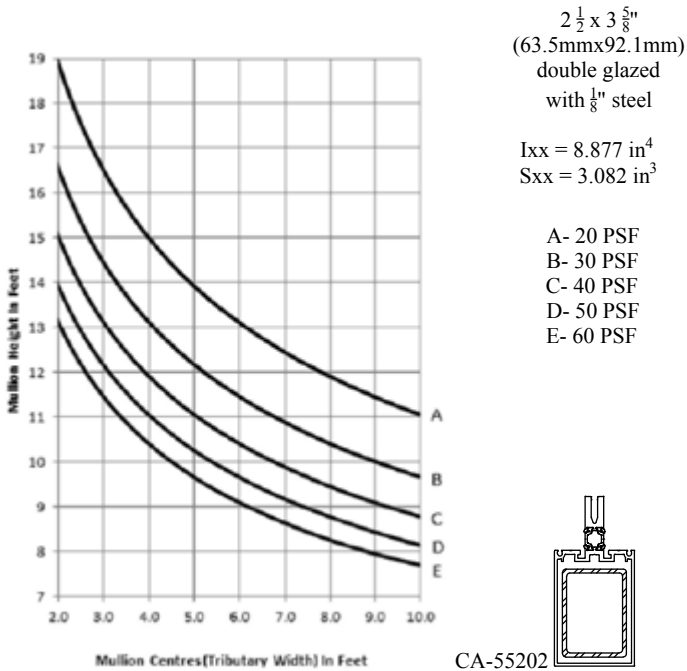
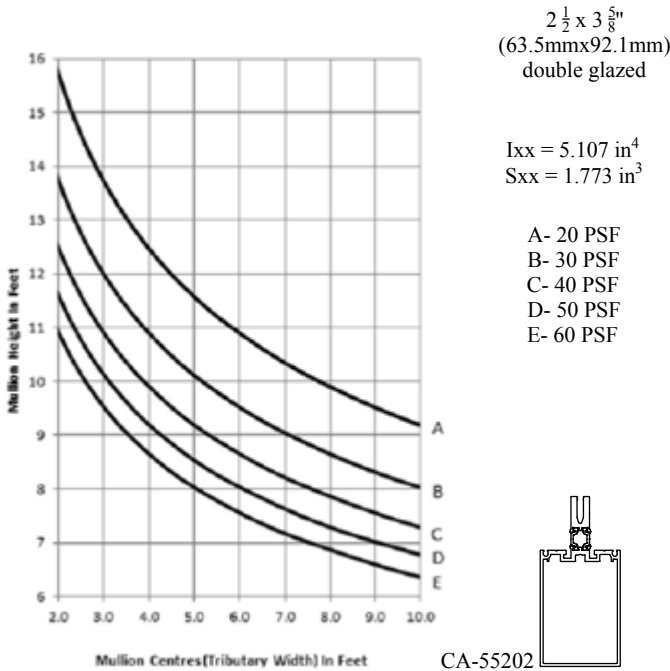


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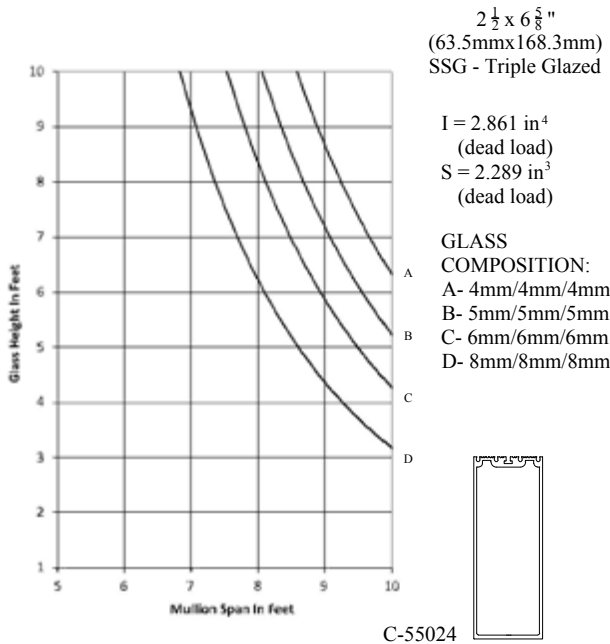
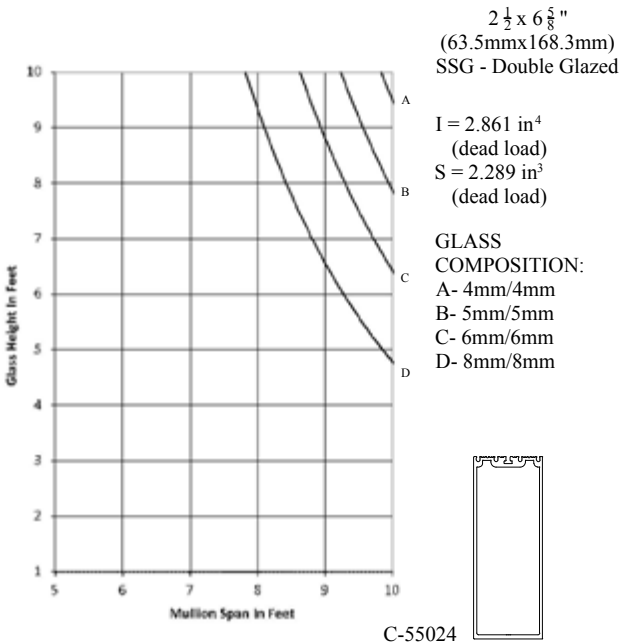
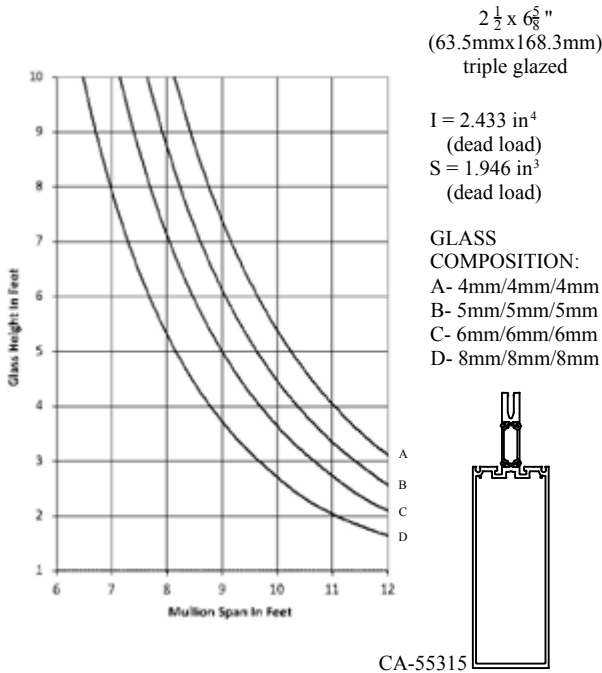
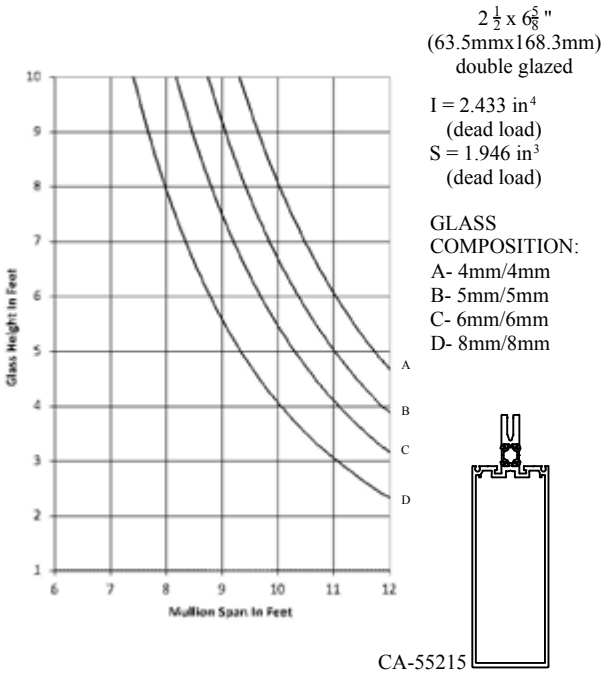
5500 HTP SERIES

DEAD LOAD CHARTS



5500 HTP SERIES

DEAD LOAD CHARTS

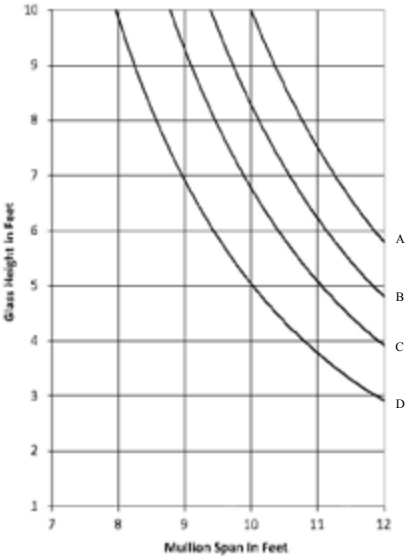


5500 HTP SERIES

DEAD LOAD CHARTS



2 1/2 x 8 "
(63.5mmx203.2mm)
double glazed



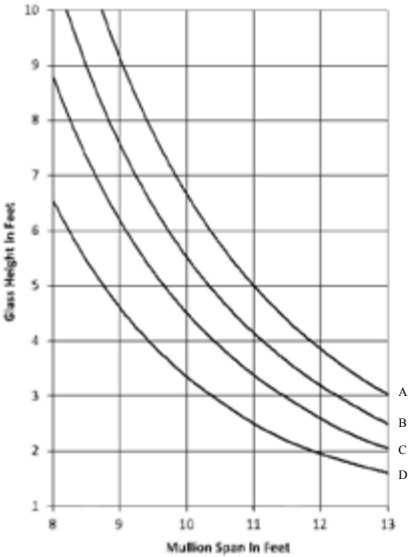
I = 3.014 in⁴
(dead load)
S = 2.411 in³
(dead load)

GLASS
COMPOSITION:
A- 4mm/4mm
B- 5mm/5mm
C- 6mm/6mm
D- 8mm/8mm



CA-55220

2 1/2 x 8 "
(63.5mmx203.2mm)
triple glazed



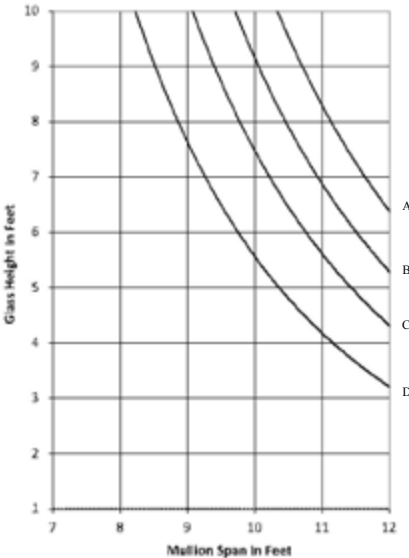
I = 3.014 in⁴
(dead load)
S = 2.411 in³
(dead load)

GLASS
COMPOSITION:
A- 4mm/4mm/4mm
B- 5mm/5mm/5mm
C- 6mm/6mm/6mm
D- 8mm/8mm/8mm



CA-55320

2 1/2 x 8 "
(63.5mmx203.2mm)
SSG - Double Glazed



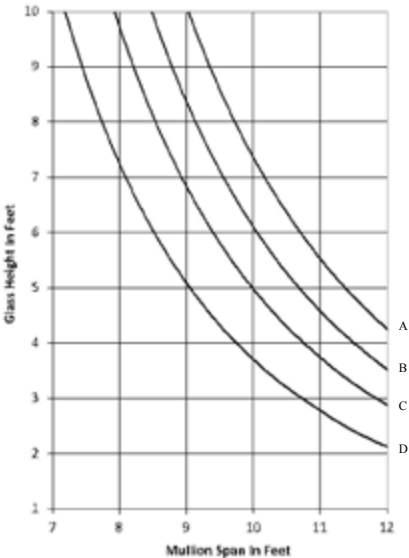
I = 3.029 in⁴
(dead load)
S = 2.663 in³
(dead load)

GLASS
COMPOSITION:
A- 4mm/4mm
B- 5mm/5mm
C- 6mm/6mm
D- 8mm/8mm



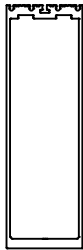
C-55044

2 1/2 x 8 "
(63.5mmx203.2mm)
SSG - Triple Glazed



I = 3.029 in⁴
(dead load)
S = 2.663 in³
(dead load)

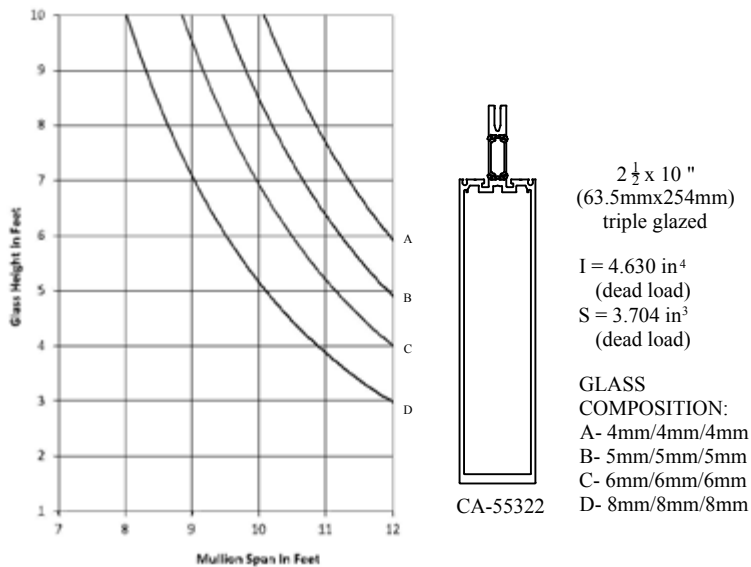
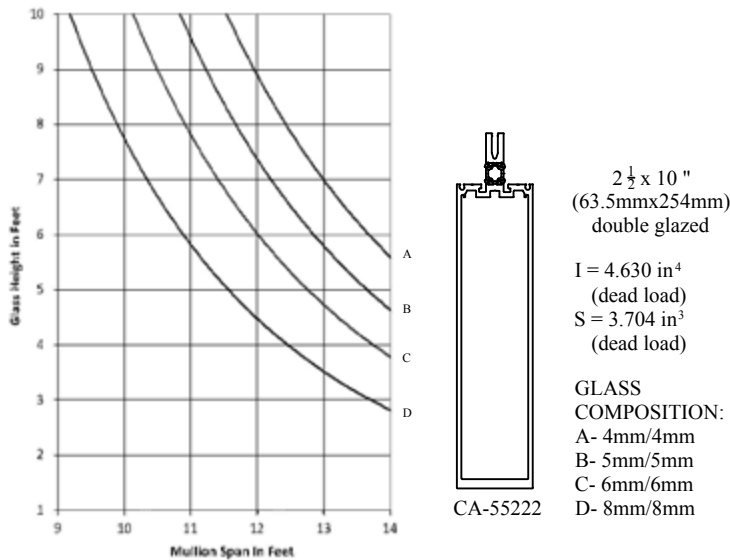
GLASS
COMPOSITION:
A- 4mm/4mm/4mm
B- 5mm/5mm/5mm
C- 6mm/6mm/6mm
D- 8mm/8mm/8mm



C-55044

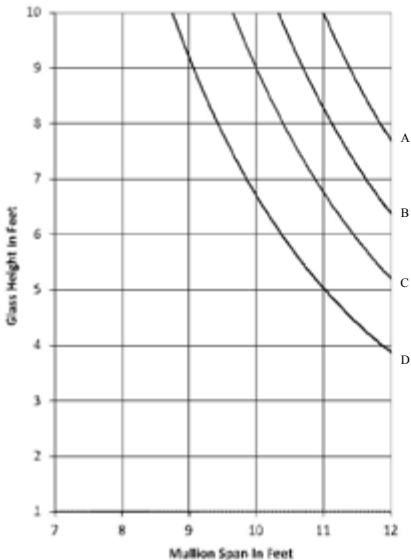
5500 HTP SERIES

DEAD LOAD CHARTS



5500 HTP SERIES

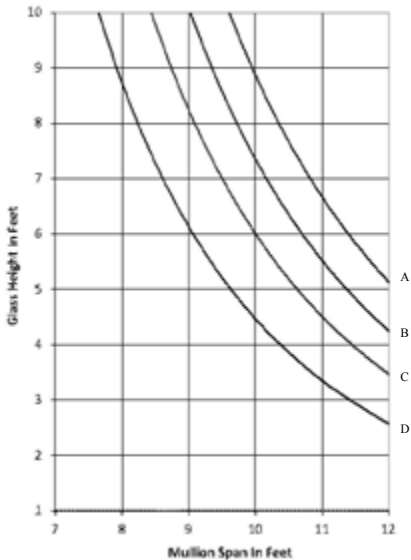
DEAD LOAD CHARTS



2 1/2 x 10 "
(63.5mmx254mm)
SSG - Double Glazed

I = 4.010 in⁴
(dead load)
S = 3.208 in³
(dead load)

GLASS
COMPOSITION:
A- 4mm/4mm
B- 5mm/5mm
C- 6mm/6mm
D- 8mm/8mm



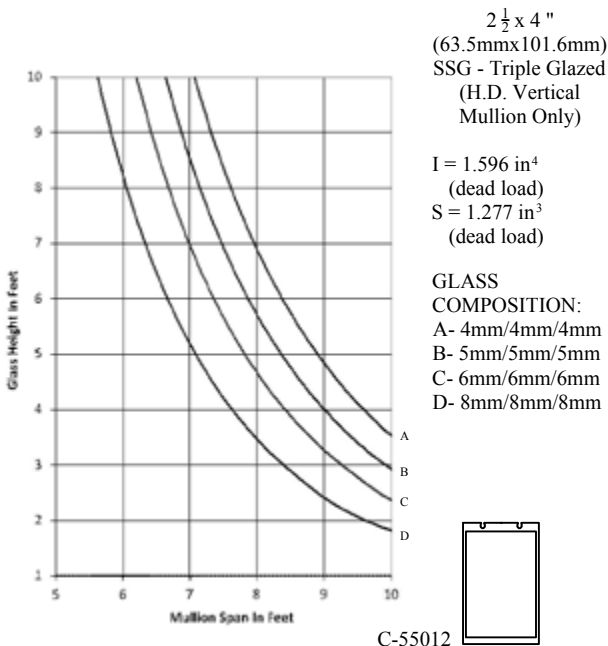
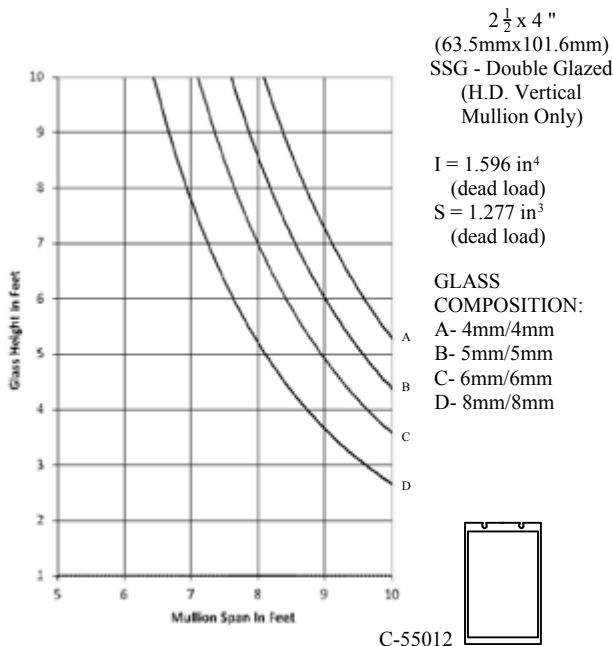
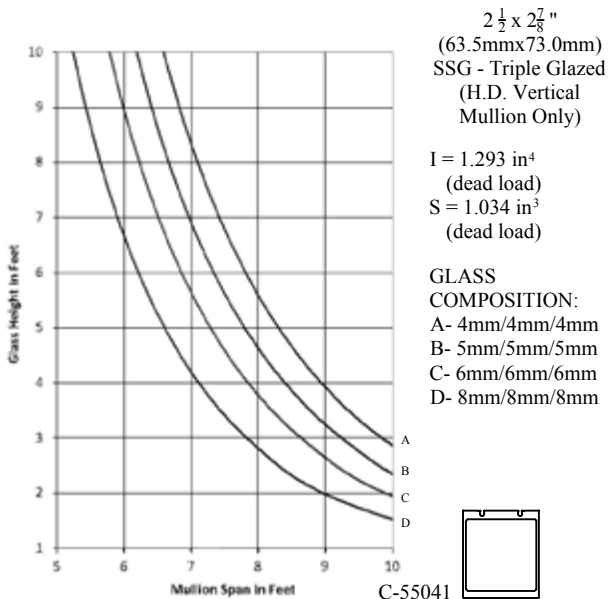
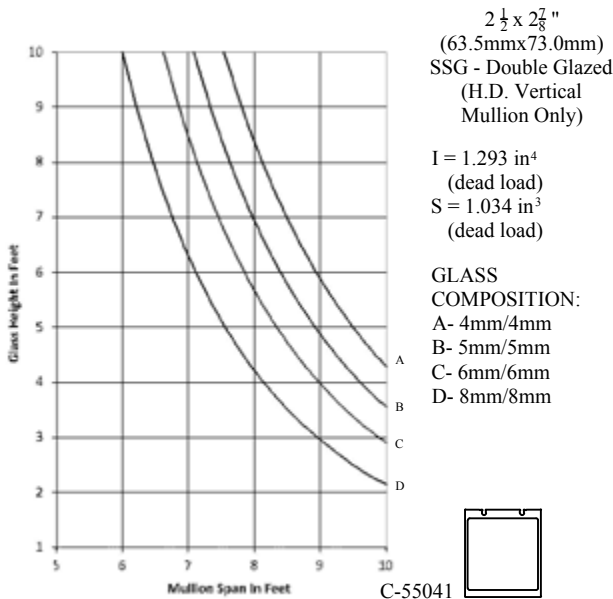
2 1/2 x 10 "
(63.5mmx254mm)
SSG - Triple Glazed

I = 4.010 in⁴
(dead load)
S = 3.208 in³
(dead load)

GLASS
COMPOSITION:
A- 4mm/4mm/4mm
B- 5mm/5mm/5mm
C- 6mm/6mm/6mm
D- 8mm/8mm/8mm

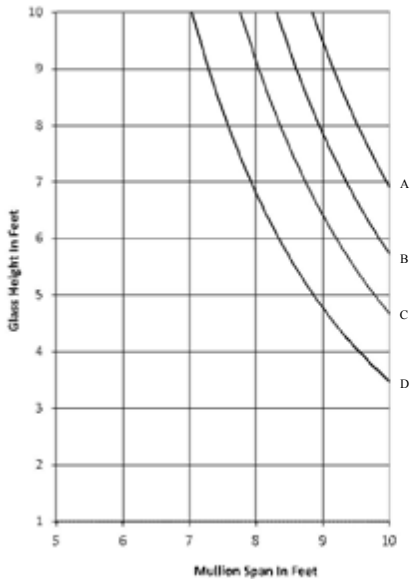
5500 HTP SERIES

DEAD LOAD CHARTS



5500 HTP SERIES

DEAD LOAD CHARTS

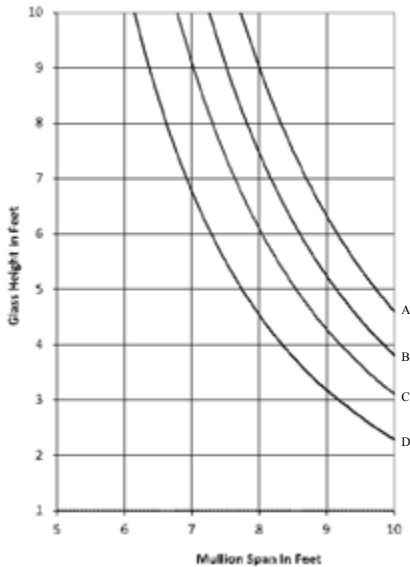


C-55013

$2\frac{1}{2} \times 5\frac{1}{4}$ "
(63.5mmx133.4mm)
SSG - Double Glazed
(H.D. Vertical
Mullion Only)

$I = 2.083 \text{ in}^4$
(dead load)
 $S = 1.666 \text{ in}^3$
(dead load)

GLASS
COMPOSITION:
A- 4mm/4mm
B- 5mm/5mm
C- 6mm/6mm
D- 8mm/8mm



C-55013

$2\frac{1}{2} \times 5\frac{1}{4}$ "
(63.5mmx133.4mm)
SSG - Triple Glazed
(H.D. Vertical
Mullion Only)

$I = 2.083 \text{ in}^4$
(dead load)
 $S = 1.666 \text{ in}^3$
(dead load)

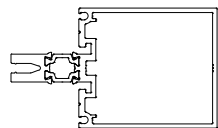
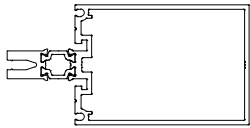
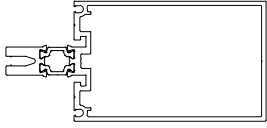
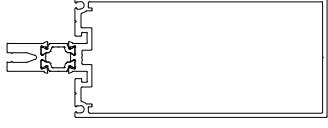
GLASS
COMPOSITION:
A- 4mm/4mm/4mm
B- 5mm/5mm/5mm
C- 6mm/6mm/6mm
D- 8mm/8mm/8mm

5500 HTP SERIES

PARTS LIST



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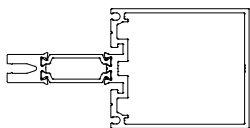
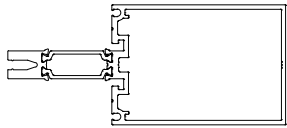
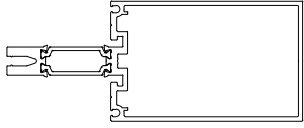
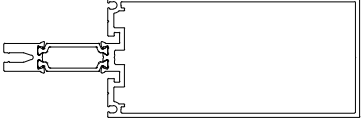
Part Number	Description	Profile
CA-55201	2 $\frac{1}{2}$ " x 2 $\frac{7}{8}$ " (63.5mmx73.0mm) Double Glazed Mullion	
CA-55202	2 $\frac{1}{2}$ " x 3 $\frac{5}{8}$ " (63.5mmx92.1mm) Double Glazed Mullion	
CA-55214	2 $\frac{1}{2}$ " x 4" (63.5mmx101.6mm) Double Glazed Mullion	
CA-55203	2 $\frac{1}{2}$ " x 5 $\frac{1}{4}$ " (63.5mmx133.4mm) Double Glazed Mullion	
CA-55215	2 $\frac{1}{2}$ " x 6 $\frac{5}{8}$ " (63.5mmx168.3mm) Double Glazed Mullion	
CA-55220	2 $\frac{1}{2}$ " x 8" (63.5mmx203.2mm) Double Glazed Mullion	
CA-55222	2 $\frac{1}{2}$ " x 10" (63.5mmx254mm) Double Glazed Mullion	

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PARTS LIST



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Part Number	Description	Profile
CA-55301	2 ½ x 2 7/8" (63.5mmx73.0mm) Triple Glazed Mullion	
CA-55302	2 ½ x 3 5/8" (63.5mmx92.1mm) Triple Glazed Mullion	
CA-55314	2 ½ x 4" (63.5mmx101.6mm) Triple Glazed Mullion	
CA-55303	2 ½ x 5 1/4" (63.5mmx133.4mm) Triple Glazed Mullion	
CA-55315	2 ½ x 6 5/8" (63.5mmx168.3mm) Triple Glazed Mullion	
CA-55320	2 ½ x 8" (63.5mmx203.2mm) Triple Glazed Mullion	
CA-55322	2 ½ x 10" (63.5mmx254mm) Triple Glazed Mullion	

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PARTS LIST



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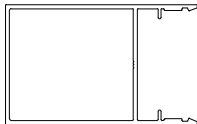
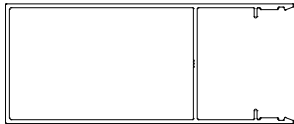
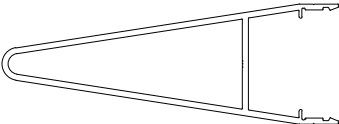
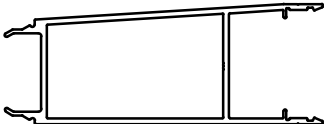
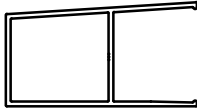
Part Number	Description	Profile
C-55006	2 ½" Pressure Plate	
C-55052	Pressure Plate for Large Cap	
C-55206	Pressure Plate for Varying Glazing Thickness	
C-55063	Pressure Plate for Triangle Cap (use with C-55064)	
C-55026	5" Pressure Plate for Double Cap (use with C-55029)	
C-55004	2 ½ x ¾" Snap on Cap Use with C-55006	
C-55025	2 ½ x 1" Snap on Cap Use with C-55006	
C-55027	2 ½ x 2" Snap on Cap Use with C-55006	
C-55028	2 ½ x 2 ½" Snap on Cap Use with C-55006	
C-55029	5"x¾" Double Cap Use with C-55026	

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PARTS LIST



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Part Number	Description	Profile
C-55040	2 ½ x 4" Snap on Cap Use with C-55052	
C-55051	2 ½ x 6" Snap on Cap Use with C-55052	
C-55060	2 ½ x 7" Snap on Cap Use with C-55052	
C-55061	2 ½ x 10" Sloped Cap Base Only (use with C-55052)	
C-55062	2 ½ x 10" Sloped Cap Top Half Only (use with C-55061)	
C-55064	2 ½" Triangle Cap (use with C-55063)	
C-55080	2 ½ x 8" Snap on Cap (use with C-55052)	

5500 HTP SERIES

PARTS LIST



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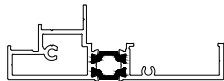
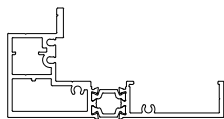
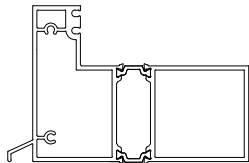
Part Number	Description	Profile
C-55219	HTP Flush Adaptor Base	
C-55018	2½" Curtain Wall Flush Door Adaptor Cap	
C-55016	90° Corner Adaptor	
C-55009	90° Corner Adaptor	
C-55209	90° Corner Adaptor	
C-55054	90° Corner Snap-On Cover	
C-55056	90° Corner Pressure Plate (DG)	
-	135° Corner Custom Breakshape Adaptor	Custom angles are available, please contact sales representative to inquire.

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Part Number	Description	Profile
CA-55207	$\frac{3}{4}$ x 4 $\frac{1}{2}$ " Door Adaptor for D.G Mullion	
CA-55225	SSG Door Adaptor Jamb	
CA-55226	SSG Door Adaptor Head	
C-45010	Door Stop Base Only	
C-65006	1/2" Door Stop Cap *Use with R-60187 or R-60188	
C-65007	5/8" Door Stop Cap *Use with R-60187 or R-60188	
C-55211	Single Glazing Adaptor for D.G Capped Mullions (Snap-in)	
C-55311	Single Glazing Adaptor for T.G Capped Mullions (Snap-in)	
R-55266	SSG Perimeter PVC Cap Base	
C-55264	SSG Perimeter Double Glazed Cap	
C-55364	SSG Perimeter Triple Glazed Cap	

5500 HTP SERIES

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Part Number	Description	Profile
C-55223	SSG Perimeter Finishing Strip (D.G)	
H-55201	Shear Block for 2 $\frac{7}{8}$ " Mullion (3.5mmx73.0mm)	C-55035 (Stock Length @ 197")
H-55202	Shear Block for 2 $\frac{1}{2}$ x 3 $\frac{5}{8}$ " Mullion (63.5mmx92.1mm)	
H-55214	Shear Block for 2 $\frac{1}{2}$ x 4" Mullion (63.5mmx101.6mm)	
H-55203	Shear Block for 2 $\frac{1}{2}$ x 5 $\frac{1}{4}$ " Mullion (63.5mmx133.4mm)	
H-55215	Shear Block for 2 $\frac{1}{2}$ x 6 $\frac{5}{8}$ " Mullion (63.5mmx168.3mm)	C-55037 (Stock Length @ 197")
H-55220	Shear Block for 2 $\frac{1}{2}$ x 8" Mullion (63.5mmx203.2mm)	
H-55222	Shear Block for 2 $\frac{1}{2}$ x 10" Mullion (63.5mmx254mm)	
H-55104 (PCS.) C-55230 (S.L @ 288")	Support Tab for Double Glazed Capped Mullion (Cut to 5")	
H-55304 (PCS.) C-55231 (S.L. @ 288")	Support Tab for Triple Glazed Capped Mullion (Cut to 8")	
H-55204 (PCS.) C-55293 (S.L @ 288")	HTP Single Glass Adaptor Support	

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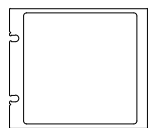
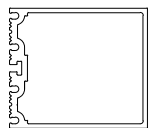
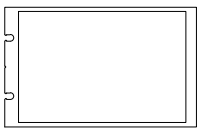
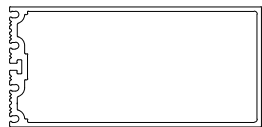
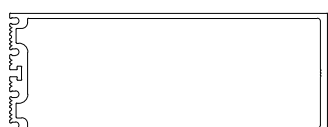
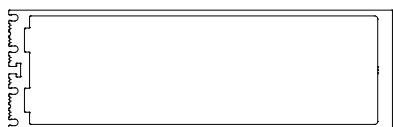
Part Number	Description	Profile
H-55207	Corner Plug for Double Glazed Capped (EPDM Foam) - Notched	
H-55307	Corner Plug for Triple Glazed Capped (EPDM Foam) - Notched	
R-55006	1 $\frac{1}{16}$ x $\frac{5}{8}$ " Pocket Filler (Rigid PVC)	
R-55001	1 $\frac{1}{8}$ x $\frac{5}{8}$ " Pocket Filler (Rigid PVC)	
R-55201	1 $\frac{1}{4}$ x $\frac{15}{16}$ " Pocket Filler (Rigid PVC)	
R-54201	1 $\frac{1}{4}$ x $\frac{11}{16}$ " Pocket Filler (Rigid PVC)	
R-55302	2" x $\frac{15}{16}$ " Pocket Filler (Rigid PVC)	
R-54301	2" x $\frac{11}{16}$ " Pocket Filler (Rigid PVC)	
R-55301	PVC Spacer for Door Adaptor (T.G)	

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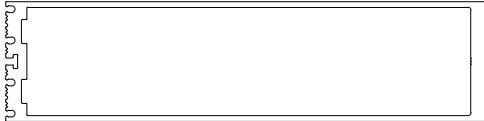
Part Number	Description	Profile
C-55041	2 ½ x 2 ⅞" (63.5mmx73.0mm) SSG Vertical only	
C-55042	2 ½ x 2 ⅞" (63.5mmx73.0mm) SSG Mullion or Horizontal	
C-55012	2 ½ x 4" (63.5mmx101.6mm) SSG Vertical only	
C-55047	2 ½ x 4" (63.5mmx101.6mm) SSG Mullion or Horizontal	
C-55048	2 ½ x 5 ¼" (63.5mmx133.4mm) SSG Mullion or Horizontal	
C-55013	2 ½ x 5 ¼" (63.5mmx133.4mm) SSG Vertical only	
C-55024	2 ½ x 6 ⅝" (63.5mmx168.3mm) SSG Mullion or Horizontal	
C-55044	2 ½ x 8" (63.5mmx203.2mm) SSG Mullion or Horizontal	

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Part Number	Description	Profile
C-55050	2 ½ x 10" (63.5mmx254mm) SSG Mullion or Horizontal	
C-55043	Single Glazing Adaptor for Double Glazed SSG	
C-55343	Single Glazing Adaptor for Triple Glazed SSG	
<u>H-55033 (PCS.)</u> C-55046 (S.L. @ 288")	Support Tab for Double Glazed (Cut to 5") SSG	
<u>H-55343 (PCS.)</u> C-55343 (S.L. @ 288")	Support Tab for Triple Glazed (Cut to 8") SSG	
R-55004	Offset Mount Interior Glazing for SSG (¼")	
R-55009	Centre Mount Interior Glazing for SSG (¼")	
R-55104	Interior Glazing for Capped Mullions (EPDM) (¼")	
R-55105	Exterior Glazing for Capped Mullions (EPDM) (¼")	

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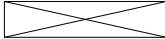
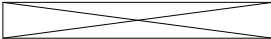
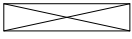
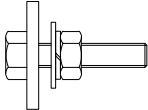
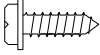
Part Number	Description	Profile
R-55202	Thermal Break (Flexible PVC)	
R-55203	$\frac{1}{4}$ " Spacer for Thermal Door Adaptor (Use with CA-55207 (Rigid PVC))	
R-55225	$\frac{1}{4}$ " Spacer for SSG Door Adaptor (use with CA-55225/CA-55226)	
R-55206	$\frac{1}{4}$ " Thermal Break (Flexible PVC)	
H-55210	Neck Bridge for SSG Double Glazed (Silicon)	
H-55310	Neck Bridge for SSG Triple Glazed (Silicon)	
C-55059	SSG Neck (Use with R-55011)	
R-55011	PVC Thermal Break	
R-55303	PVC Neck Extension to Convert 2G to 3G	
R-60187	Mohair for Door perimeter (Use with C-65006/C-65007)	
R-60188	Santoprene Door Seal (Use with C-65006/C-65007)	

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Part Number	Description	Profile
H-00120	EPDM Setting Block ($\frac{1}{4}$ x $1\frac{1}{8}$ x 5")	
H-00121	EPDM Setting Block ($\frac{1}{4}$ x $1\frac{7}{8}$ x 5")	
H-00122	EPDM Setting Block ($\frac{1}{4}$ x $\frac{1}{2}$ x 5")	
H-00123	EPDM Setting Block ($\frac{3}{16}$ x $\frac{7}{8}$ x 5")	
H-00124	EPDM Setting Block ($\frac{3}{16}$ x $1\frac{5}{8}$ x 5")	
H-00125	EPDM Setting Block ($\frac{3}{16}$ x $\frac{3}{8}$ x 5")	
H-55001	Back-up Anchor Assembly	
H-55021	#10 x $\frac{3}{4}$ " TEK Screw (Pan-head) Shear Block to Mullion	
H-00025	#10 x $1\frac{1}{4}$ " Flat-head Horizontal to Shear Block	
H-00034	$\frac{1}{4}$ "-10 x $\frac{3}{4}$ " S.S HWH Screw (Pressure Plate)	
-	$\frac{1}{4}$ "-10 x $1\frac{1}{2}$ " Zinc Plated HWH Screw (for R-55303 only)	