Features

- 1600 Wall System®2 is an outside glazed structurally silicon glazed curtain wall
- 1600 Wall System®2 has a 2-1/2" (63.5) sight line
- Standard 6" (152.4) or 7-1/2" (190.5) depth systems
- Infill options up to 1-1/8" (28.6)
- Concealed fastener joinery creates smooth, monolithic appearance
- Open-back horizontals and perimeters are available for cost savings
- Shear block fabrication method
- Corners and splayed mullions available
- Offers integrated entrance framing systems
- Silicon compatible glazing materials for long-lasting seals
- 1600 Wall System®2 has been small and large missile impact and cycle tested
- Two color option
- Permanodic® anodized finishes in 7 choices
- Painted finishes in standard and custom choices

Optional Features

- Steel reinforcing available
- Rain screen and backpans
- Optional deep profile and bull-nose covers available
- Deep and heavy-weight mullions available
- Veneer system available
- Integrates with concealed GLASSvent®

Product Applications

- Ideal for low to mid-rise applications where high performance is desired
- It is also the right choice for high span applications

For specific product applications,
Consult your Kawneer representative.

Architects – Most extrusion and window types illustrated in this catalog are standard products for Kawneer. These concepts have been expanded and modified to afford you design freedom. Some miscellaneous details are non-standard and are intended to demonstrate how the system can be modified to expand design flexibility. Please contact your Kawneer representative for further assistance.

LAWS AND BUILDING AND SAFETY CODES GOVERNING THE DESIGN AND USE OF GLAZED ENTRANCE, WINDOW, AND CURTAIN WALL PRODUCTS VARY WIDELY. KAWNEER DOES NOT CONTROL THE SELECTION OF PRODUCT CONFIGURATIONS, OPERATING HARDWARE, OR GLAZING MATERIALS, AND ASSUMES NO RESPONSIBILITY THEREFOR.

Metric (SI) conversion figures are included throughout these details for reference. Numbers in parentheses ( ) are millimeters unless otherwise noted.

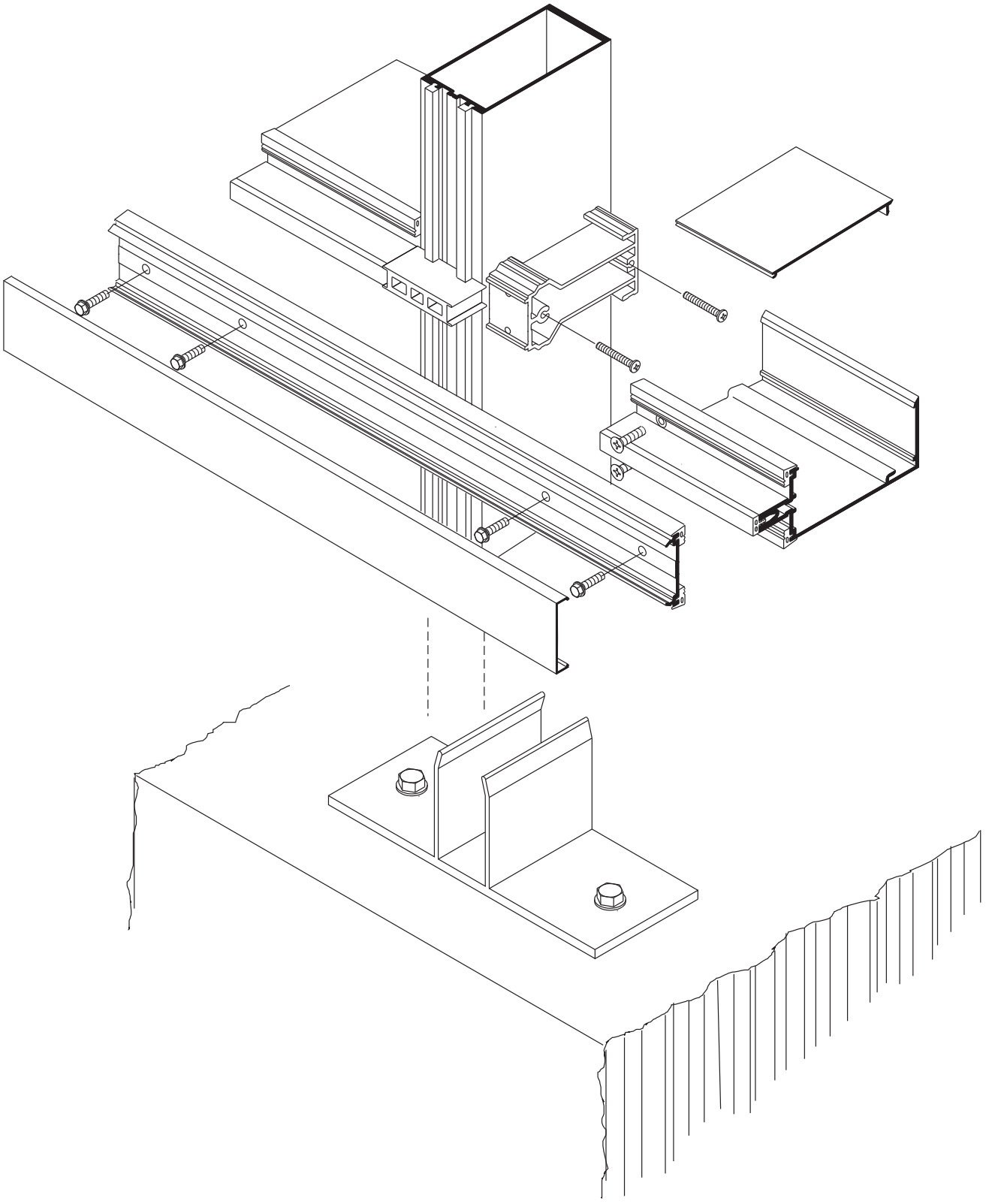
The following metric (SI) units are found in these details:

m – meter
cm – centimeter
mm – millimeter
s – second
Pa – pascal
MPa – megapascal

Kawneer reserves the right to change configurations without prior notice when deemed necessary for product improvement.

1600 WALL SYSTEM®2

PICTORIAL VIEW



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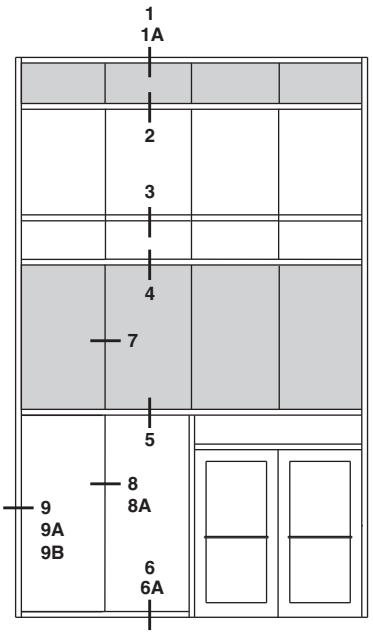
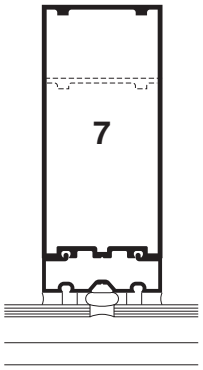
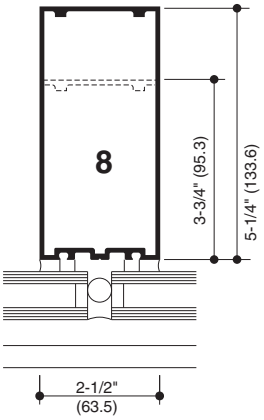
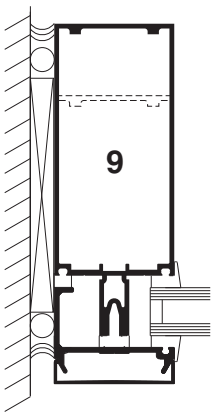
SCALE 3" = 1'-0"

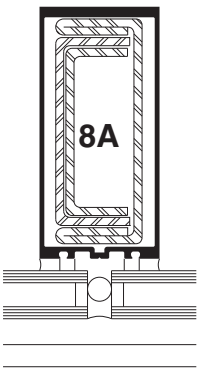


ELEVATION IS NUMBER KEYED TO DETAILS

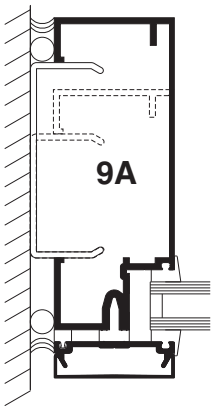


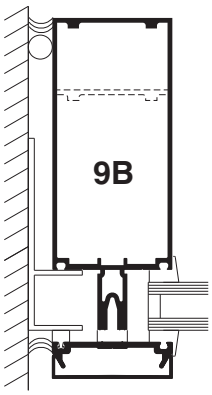


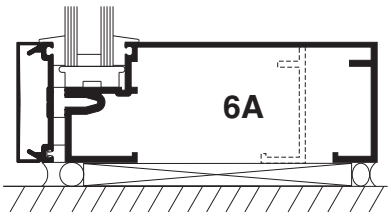


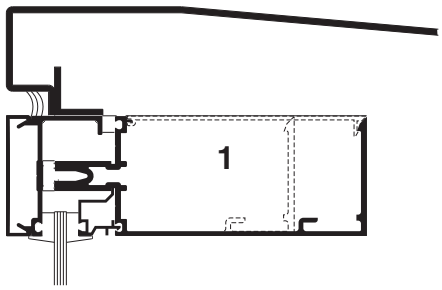


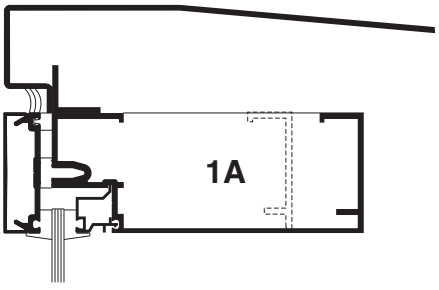
OPTIONAL STEEL
REINFORCING
AS REQUIRED

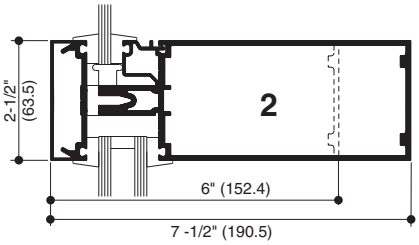


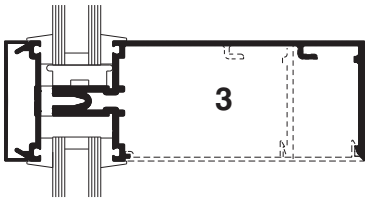


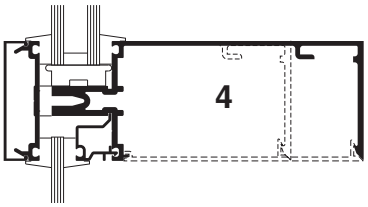


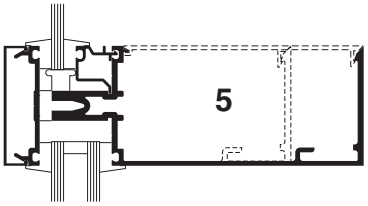


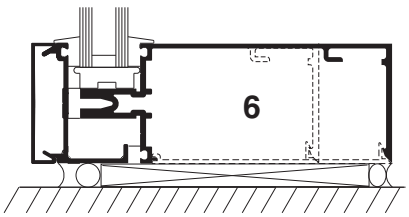




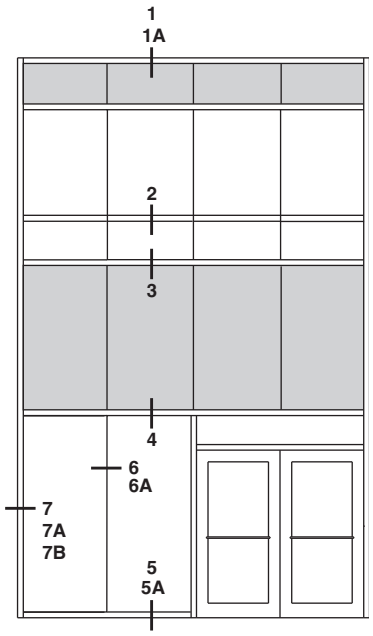




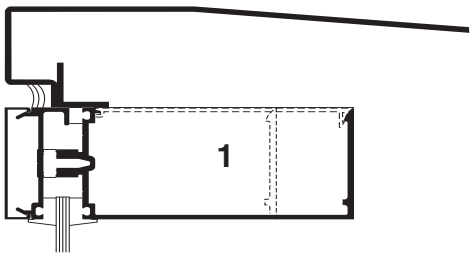


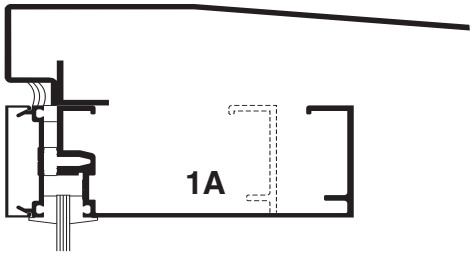


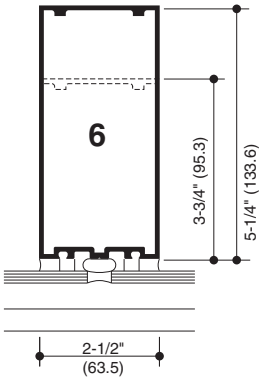
SCALE 3" = 1'-0"

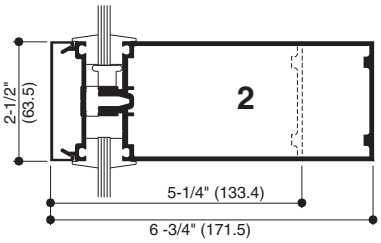


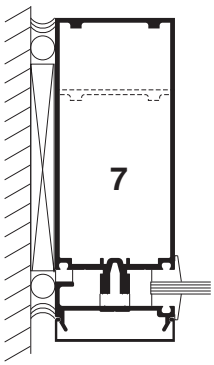
ELEVATION IS NUMBER KEYED TO DETAILS

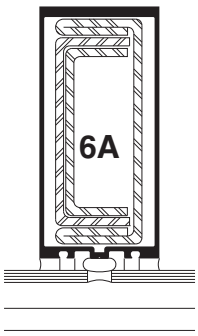




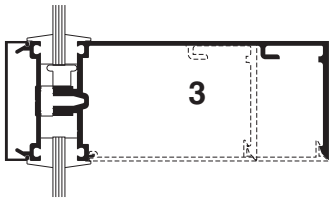


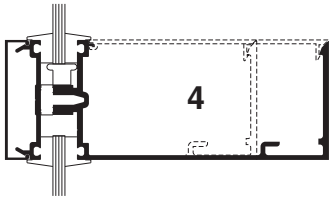


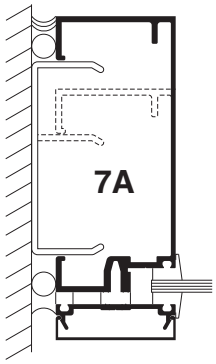


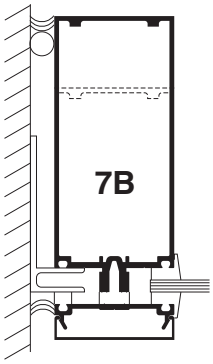


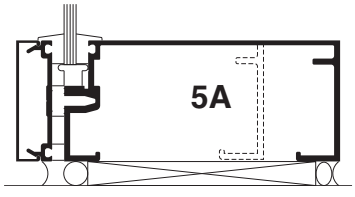
OPTIONAL STEEL
REINFORCING
AS REQUIRED

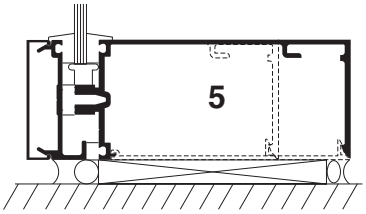












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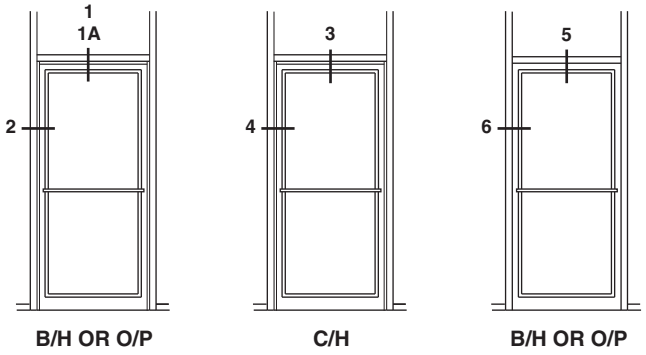
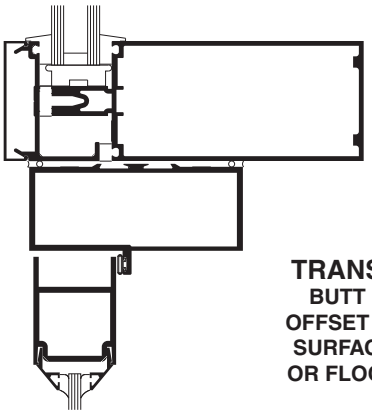
SCALE 3" = 1'-0"

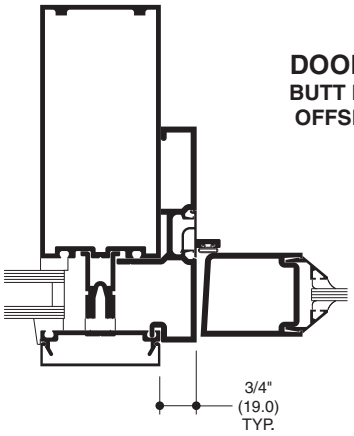


ELEVATION IS NUMBER KEYED TO DETAILS



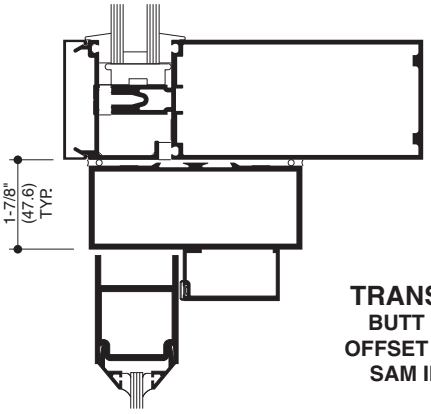
1

TRANSOM BAR
BUTT HUNG OR OFFSET PIVOT WITH SURFACE CLOSER OR FLOOR CLOSER



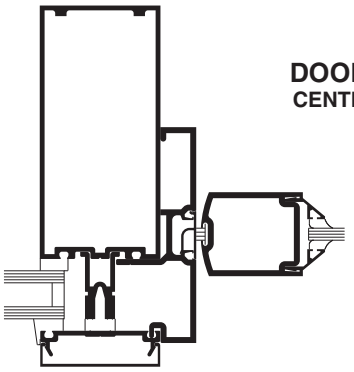
2

DOOR JAMB
BUTT HUNG OR OFFSET PIVOT



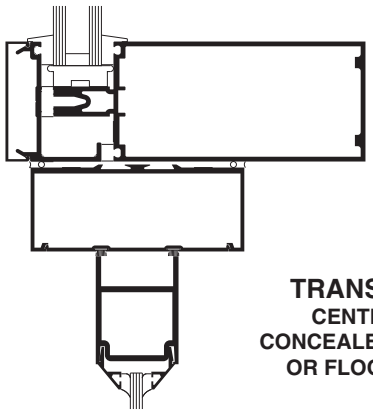
1A

TRANSOM BAR
BUTT HUNG OR OFFSET PIVOT WITH SAM II CLOSER



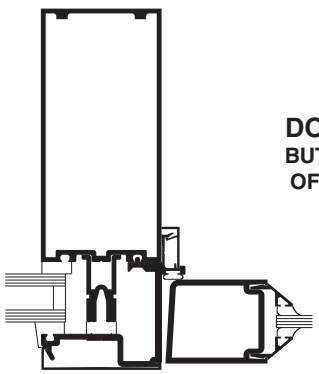
4

DOOR JAMB
CENTER HUNG



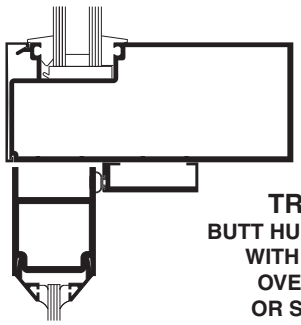
3

TRANSOM BAR
CENTER HUNG CONCEALED OVERHEAD OR FLOOR CLOSER



6

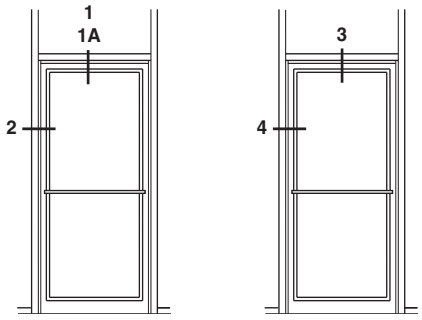
DOOR JAMB
BUTT HUNG OR OFFSET PIVOT



5

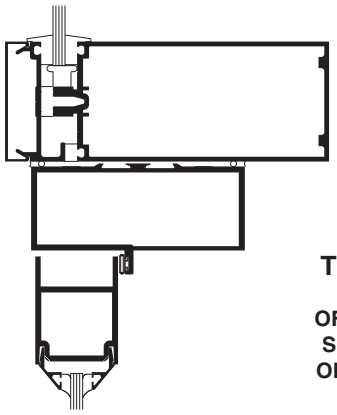
TRANSOM BAR
BUTT HUNG OR OFFSET PIVOT WITH LCN CONCEALED OVER HEAD CLOSER OR SURFACE CLOSER

SCALE 3" = 1'-0"



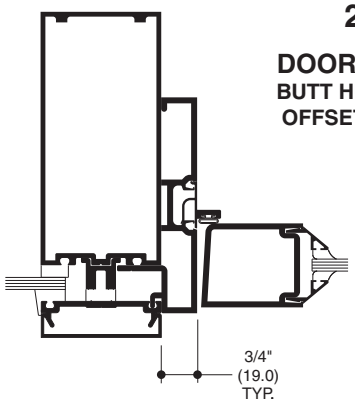
B/H OR O/P C/H

ELEVATION IS NUMBER KEYED TO DETAILS



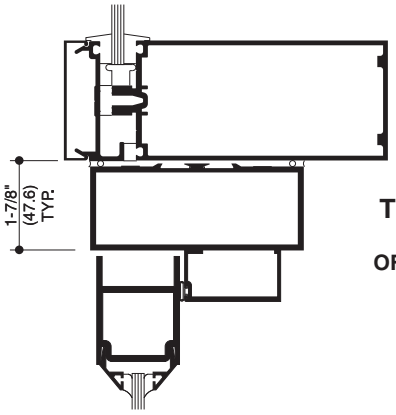
1

TRANSOM BAR
BUTT HUNG OR OFFSET PIVOT WITH SURFACE CLOSER OR FLOOR CLOSER



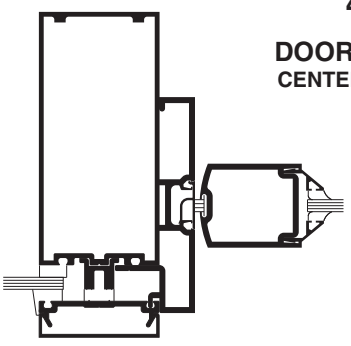
2

DOOR JAMB
BUTT HUNG OR OFFSET PIVOT



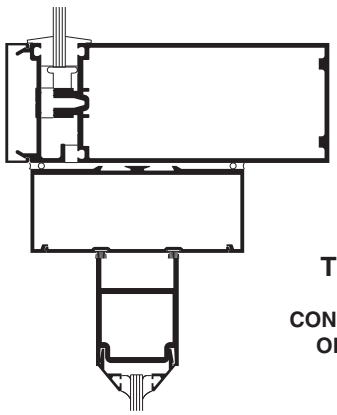
1A

TRANSOM BAR
BUTT HUNG OR OFFSET PIVOT WITH SAM II CLOSER



4

DOOR JAMB
CENTER HUNG

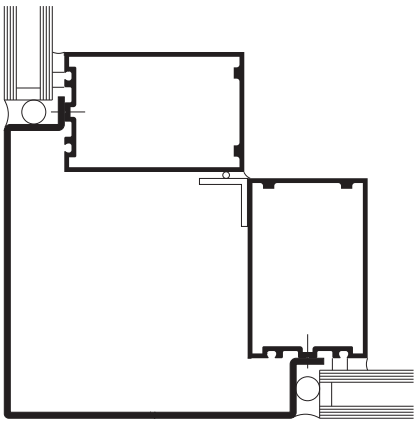


3

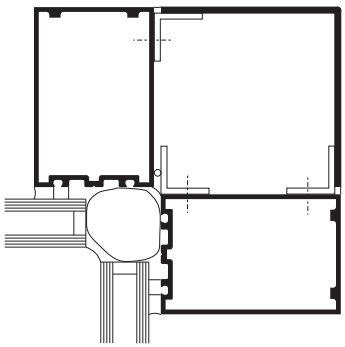
TRANSOM BAR
CENTER HUNG CONCEALED OVERHEAD OR FLOOR CLOSER

SCALE 3" = 1'-0"

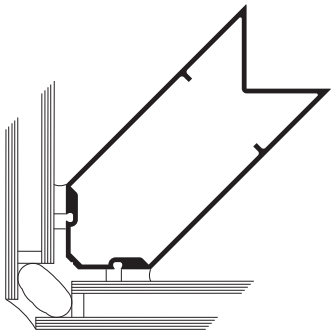
NOTE: 1" SYSTEM SHOWN, 1/4" SYSTEM SIMILAR.



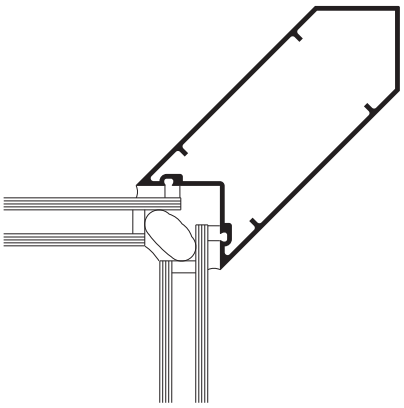
90° OUTSIDE CORNER



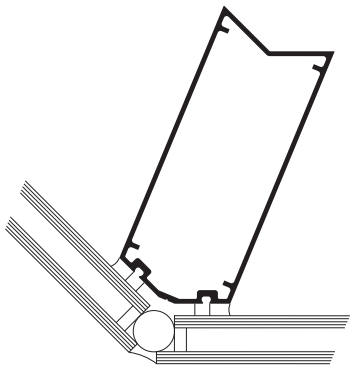
90° INSIDE CORNER



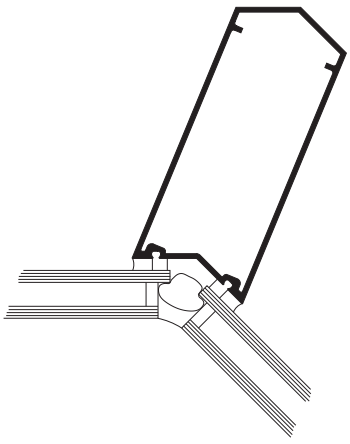
90° OUTSIDE CORNER



90° INSIDE CORNER

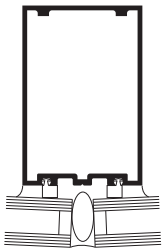


135° OUTSIDE CORNER

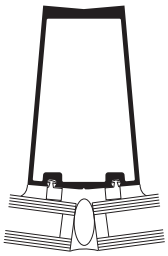


135° INSIDE CORNER

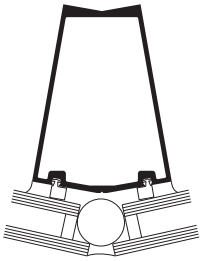
SCALE 3" = 1'-0"



0° TO 5°

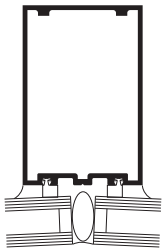


5° TO 15°

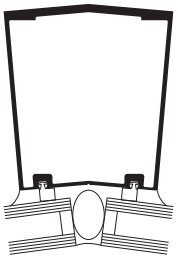


15° TO 25°

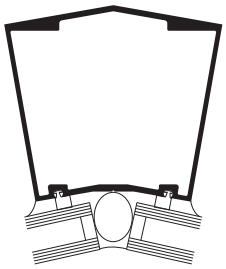
OUTSIDE SPLAYED MULLIONS



0° TO 5°



5° TO 15°

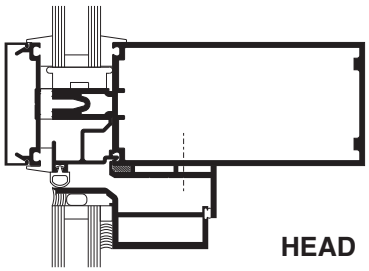


15° TO 25°

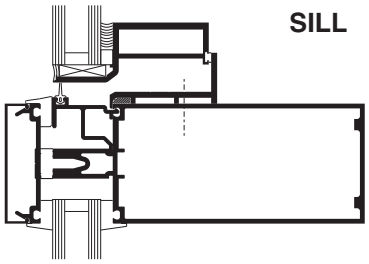
INSIDE SPLAYED MULLIONS

SCALE 3" = 1'-0"

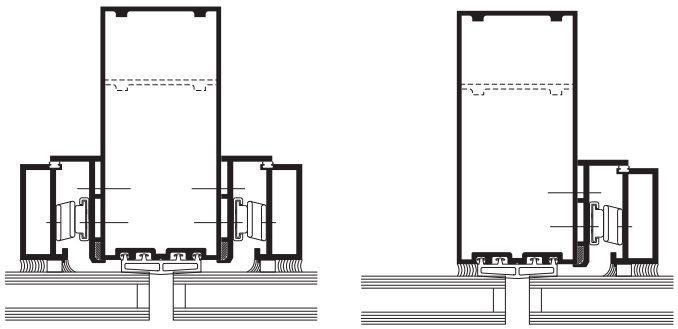
1600 GLASSvent®



HEAD



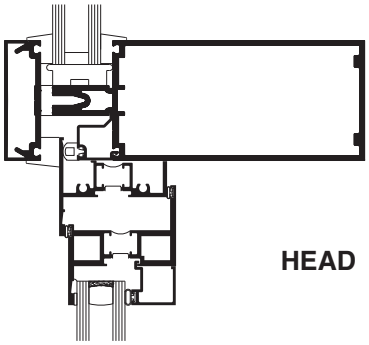
SILL



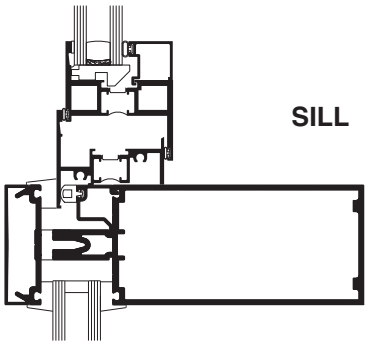
JAMB

8225TL ISOLOCK® WINDOWS

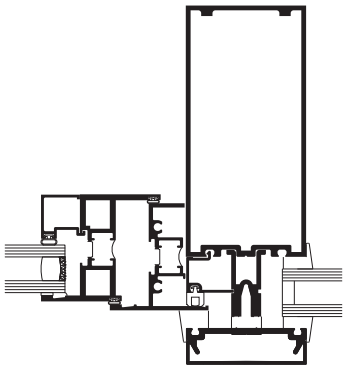
NOTE: Other vent types can be accommodated.
Contact your Kawneer representative for other options.



HEAD

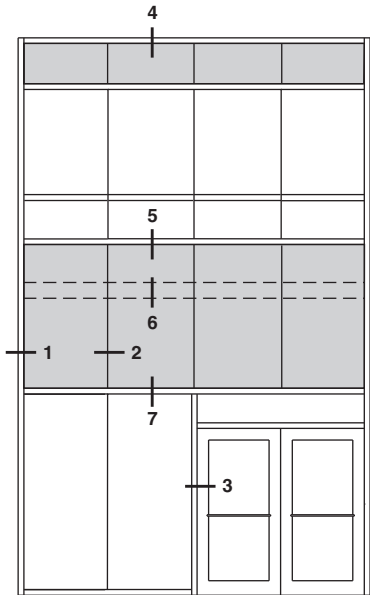


SILL



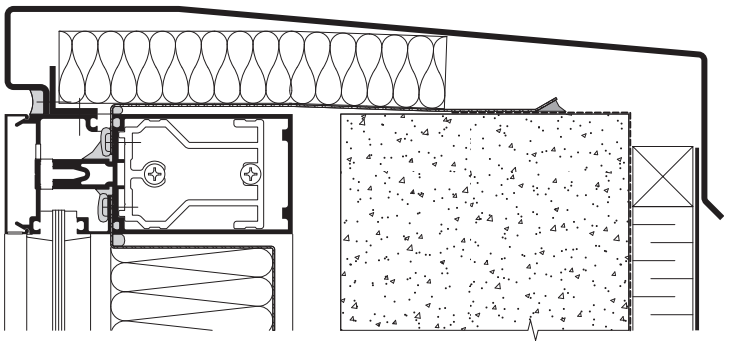
JAMB

SCALE 3" = 1'-0"

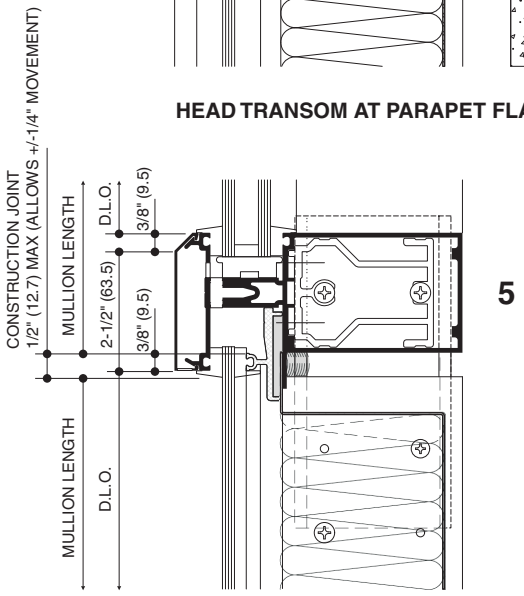


ELEVATION IS NUMBER KEYED TO DETAILS

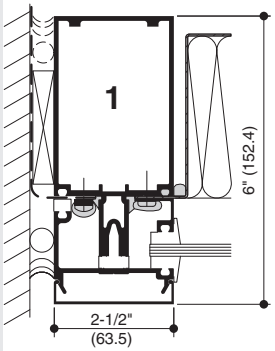
NOTE: 6" SYSTEM SHOWN, 7-1/2" SYSTEM SIMILAR



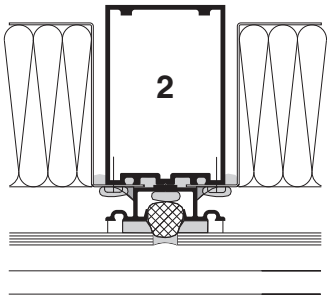
HEAD TRANSOM AT PARAPET FLASHING



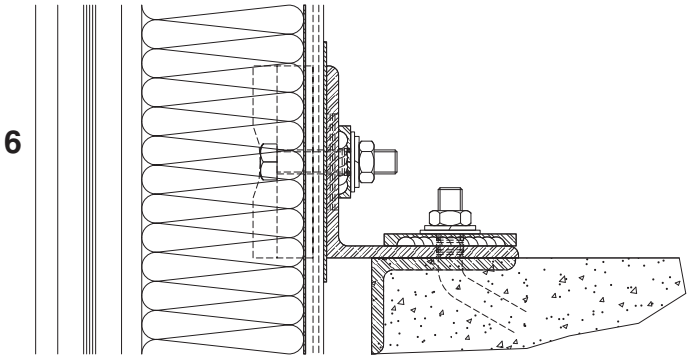
EXPANSION JOINT



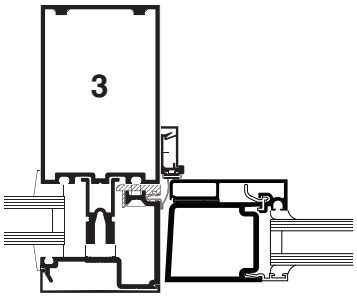
JAMB MULLION AT SPANDREL



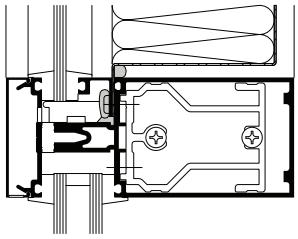
MULLION AT SPANDREL



TYPICAL DEADLOAD ANCHOR



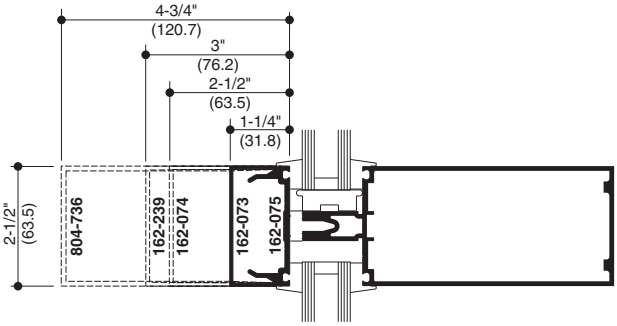
THERMALLY BROKEN DOOR ADAPTOR FOR INSULCLAD DOORS

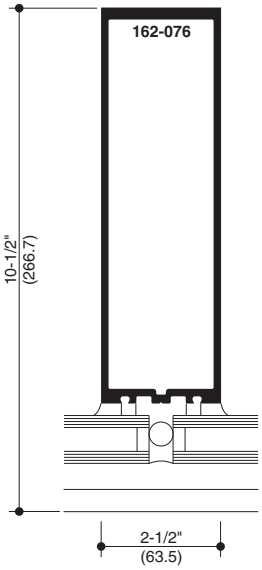


TRANSOM – SPANDREL OVER VISION

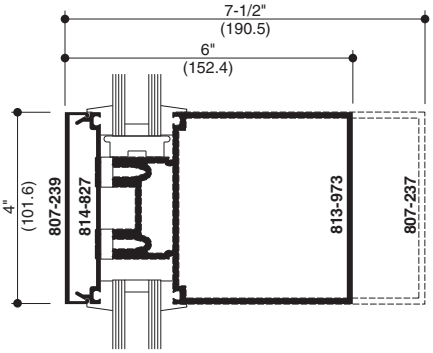
SCALE 3" = 1'-0"

Architects – Most extrusion and window types illustrated in this catalog are standard products for Kawneer. These concepts have been expanded and modified to afford you design freedom. Some miscellaneous details are non-standard and are intended to demonstrate how the system can be modified to expand design flexibility. Please contact your Kawneer representative for further assistance.

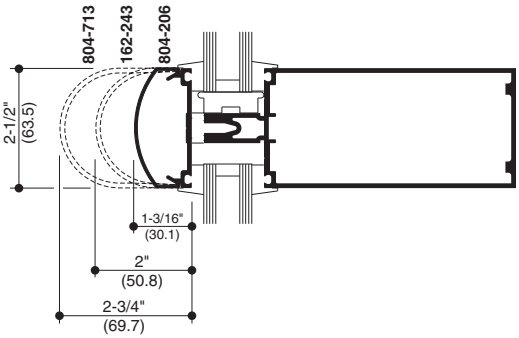




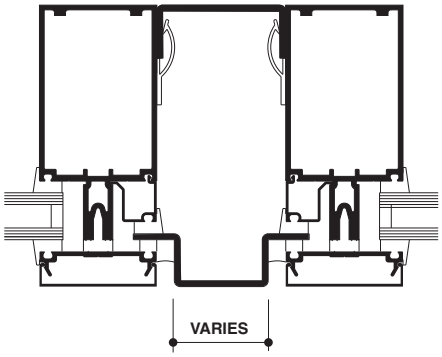
DEEP MULLION



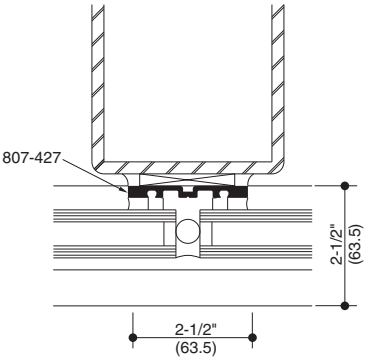
4" SIGHT LINE



OPTIONAL COVERS

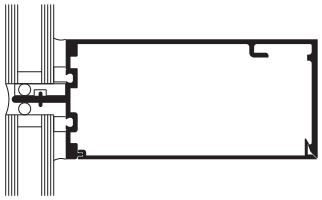


DOUBLE MULLION

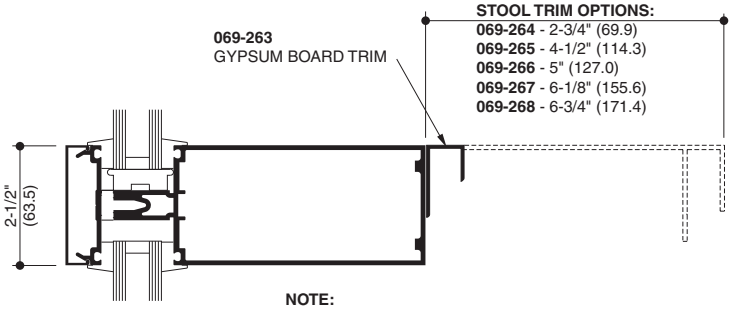


VENEER SYSTEM

NOTE: SSG Horizontal to be used with captured vertical mullions only.



SSG HORIZONTAL

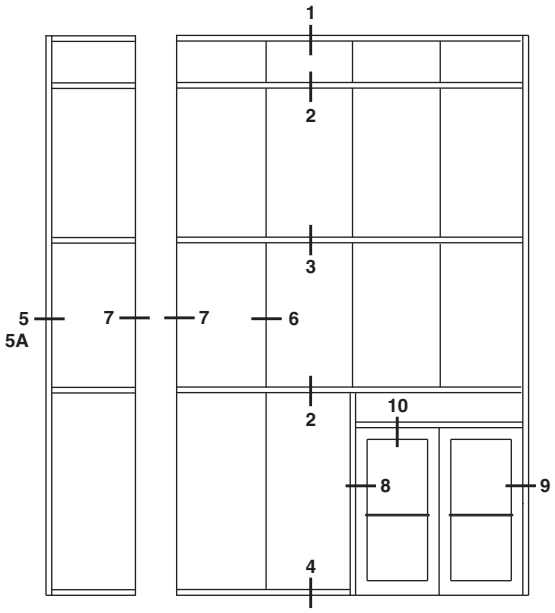


NOTE:
STOOL TRIMS REQUIRE **069-271** TRIM CLIP PACKAGE

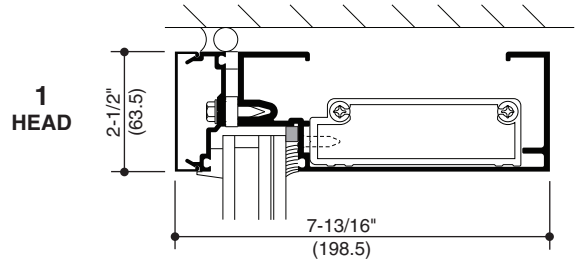
INTERIOR STOOL TRIM

SCALE 3" = 1'-0"

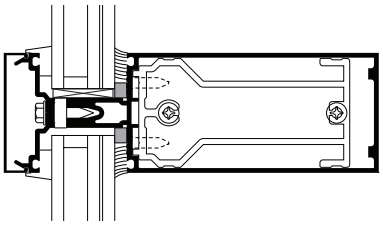
NOTE: DETAILS SHOWN WITH 1-5/16" INFILL AND ARE GLAZED FOR LARGE MISSLE IMPACT (LMI). SEE NEXT PAGE FOR OTHER GLAZING OPTIONS.



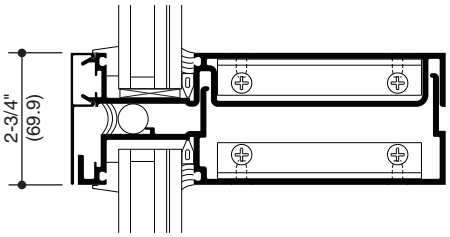
ELEVATION IS NUMBER KEYED TO DETAILS



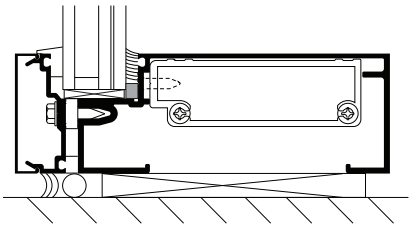
1
HEAD



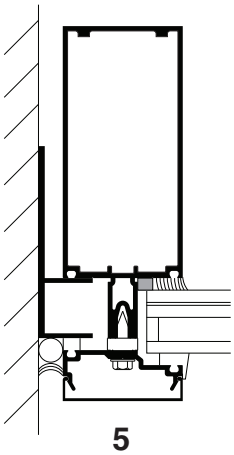
2
HORIZONTAL



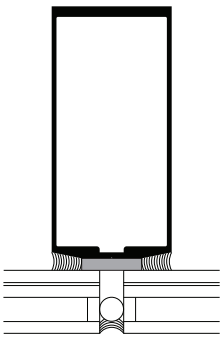
3
EXPANSION
HORIZONTAL



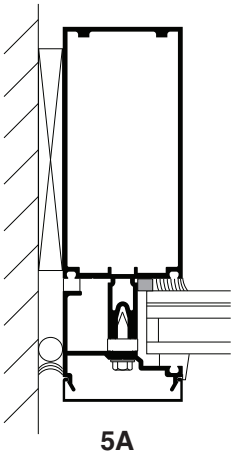
4
SILL



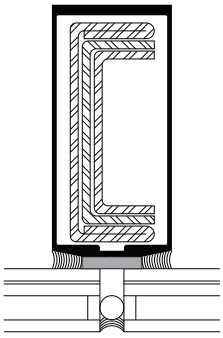
5
JAMB



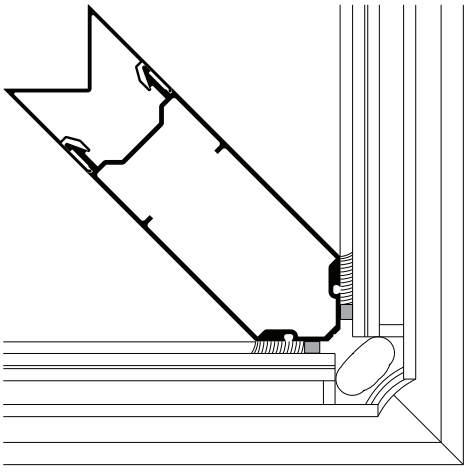
6
VERTICAL



5A
JAMB



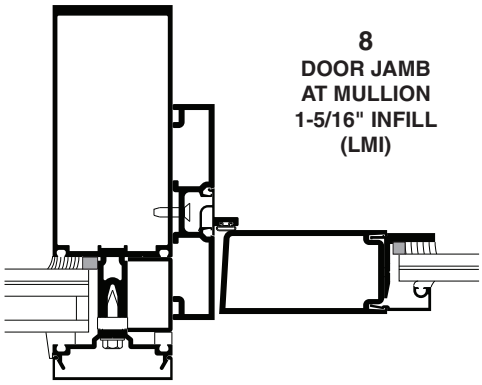
OPTIONAL STEEL
REINFORCING
AS REQUIRED



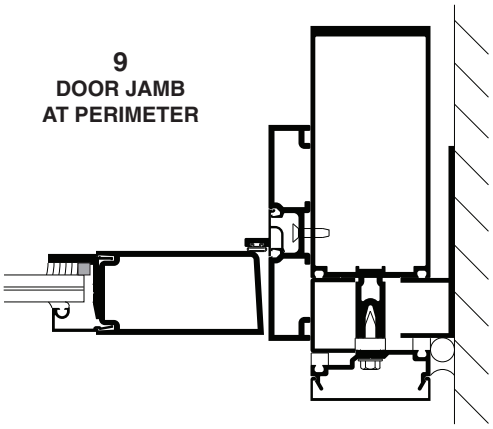
7
90° CORNER

SCALE 3" = 1'-0"

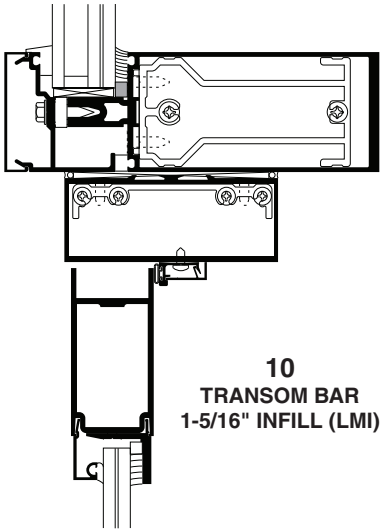
NOTE: 350 IR DOORS ARE USED WITH IMPACT FRAMING.
DOORS ARE GLAZED WITH 9/16" INFILL.



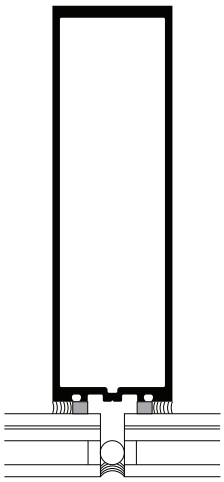
8
DOOR JAMB
AT MULLION
1-5/16" INFILL
(LMI)



9
DOOR JAMB
AT PERIMETER

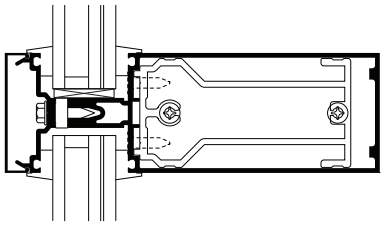


10
TRANSOM BAR
1-5/16" INFILL (LMI)

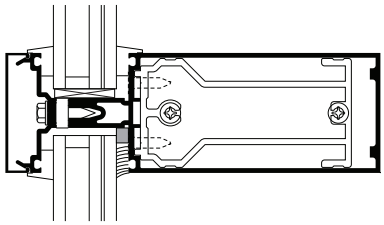


OPTIONAL
10" DEEP SYSTEM
1-5/16" INFILL (LMI)

GLAZING OPTIONS

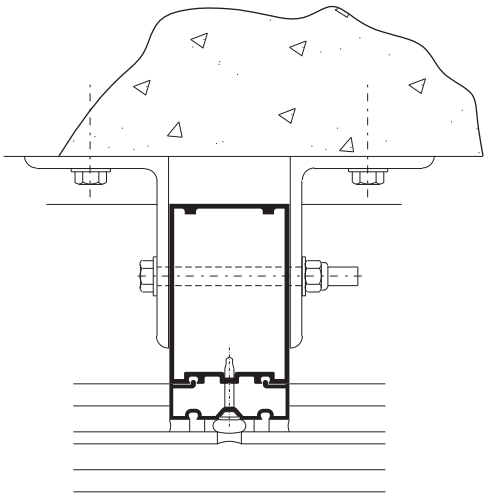


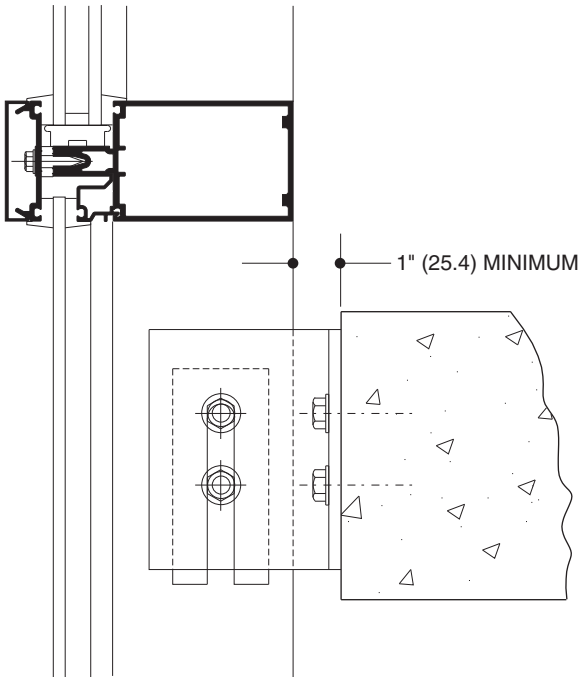
1-5/16" INFILL (SMI)
SMALL MISSILE
IMPACT



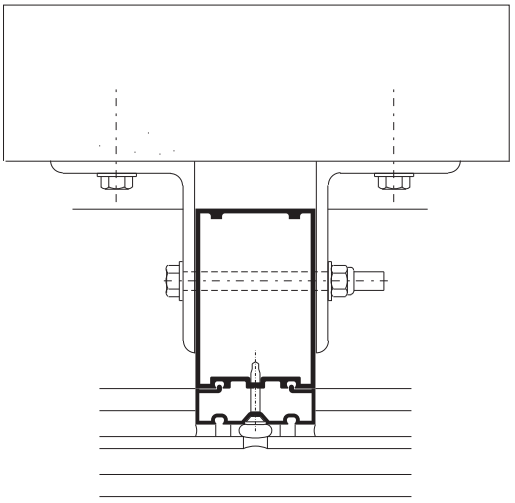
1-5/16" INFILL
SMALL MISSILE (SMI)
OVER
LARGE MISSILE (LMI)

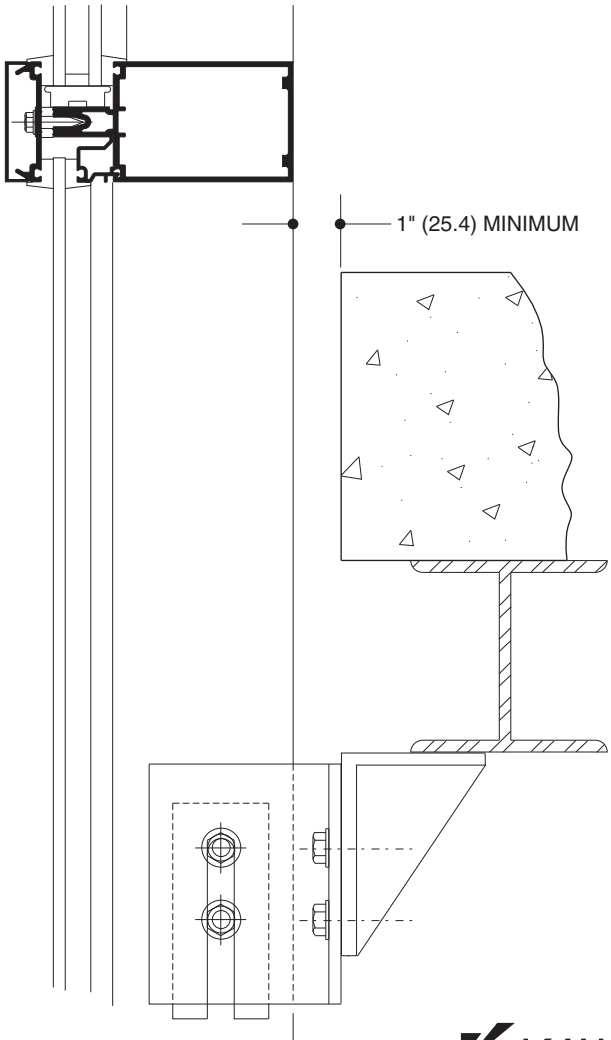
Actual project conditions will determine specific anchor design. Details on this page are for reference only.





ANCHORING TO FLOOR SLAB

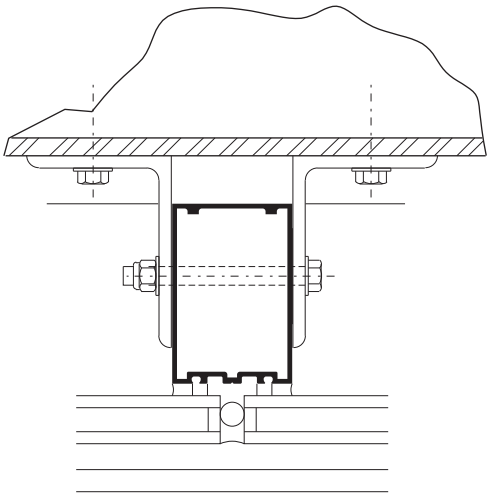




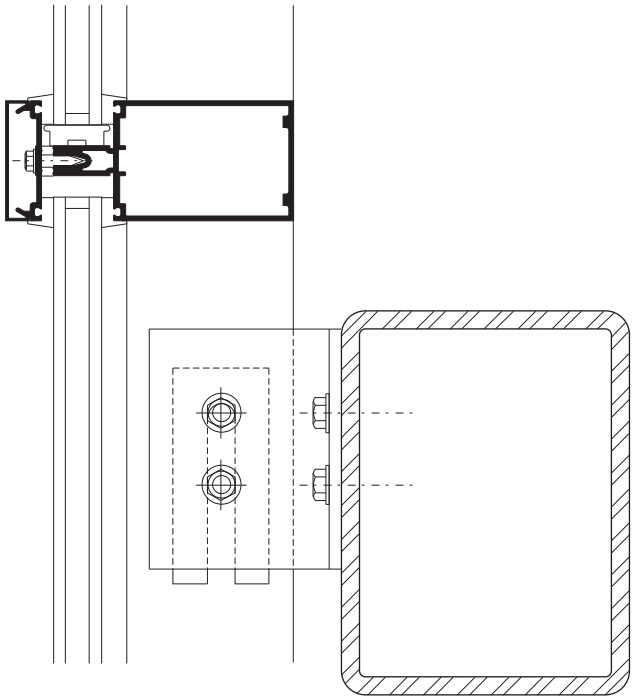
ANCHORING TO SUPPORT STEEL

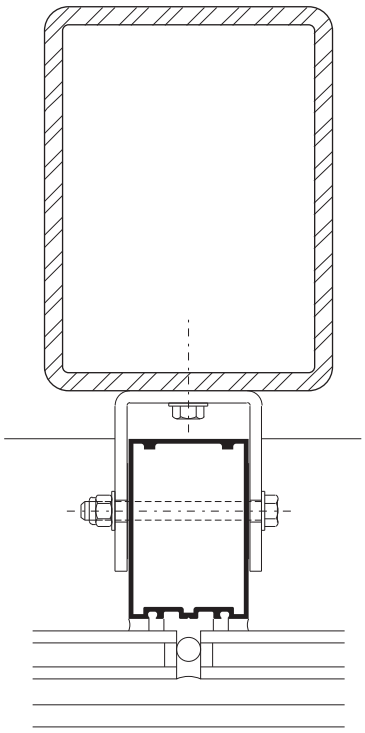
KAWNEER
AN ALCOA COMPANY

Actual project conditions will determine specific anchor design. Details on this page are for reference only.

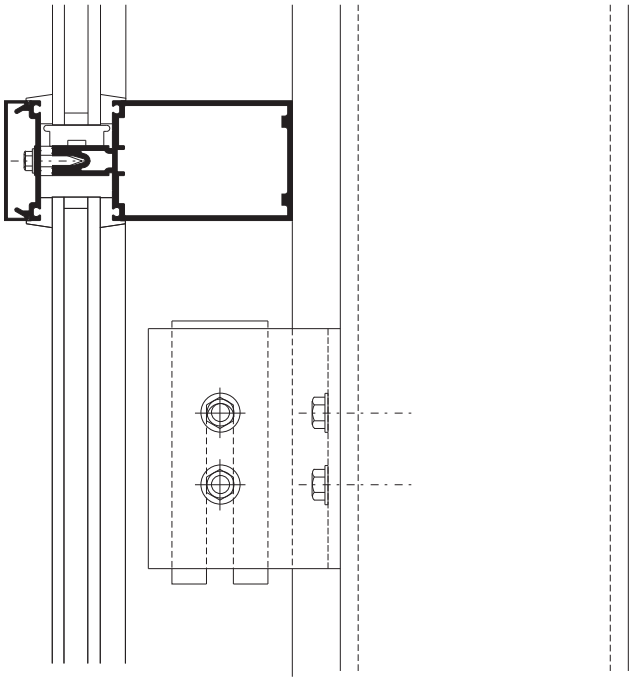


ANCHORING TO HORIZONTAL STRUCTURAL STEEL





ANCHORING TO VERTICAL STRUCTURAL STEEL



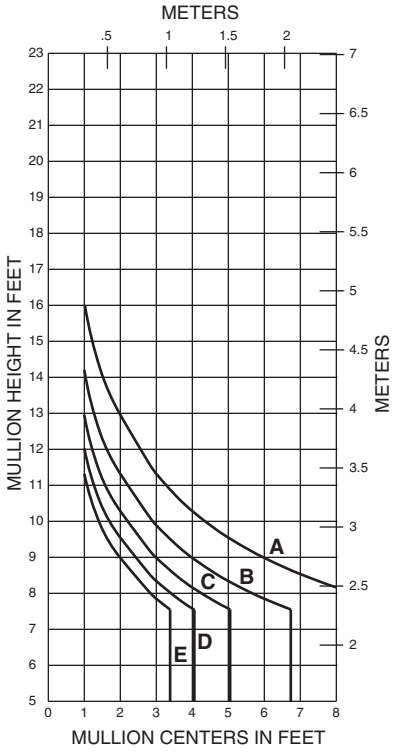
WIND LOAD CHARTS

Mullions are designed for deflection limitations in accordance with AAMA TIR-A11 of L/175 up to 13'-6" and L/240 +1/4" above 13'-6". These curves are for mullions WITH HORIZONTALS and are based on engineering calculations for stress and deflection. Allowable wind load stress for ALUMINUM 15,152 p.s.i. (104 MPa), STEEL 30,000 p.s.i. (207 MPa.). Charted curves, in all cases are for the limiting value. A 4/3 increase in allowable stress has not been used to develop these curves. For special situations not covered by these curves, contact your Kawneer representative for additional information.

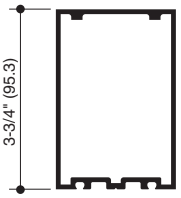
DEADLOAD CHARTS

Horizontal or deadload limitations are based upon 1/8" (3.2), maximum allowable deflection at the center of an intermediate horizontal member. The accompanying charts are calculated for 1" (25.4) thick insulating glass or 1/4" (6.35) thick glass supported on two setting blocks placed at the loading points shown.

SINGLE SPAN



A = 20 PSF (960)
B = 30 PSF (1440)
C = 40 PSF (1920)
D = 50 PSF (2400)
E = 60 PSF (2880)

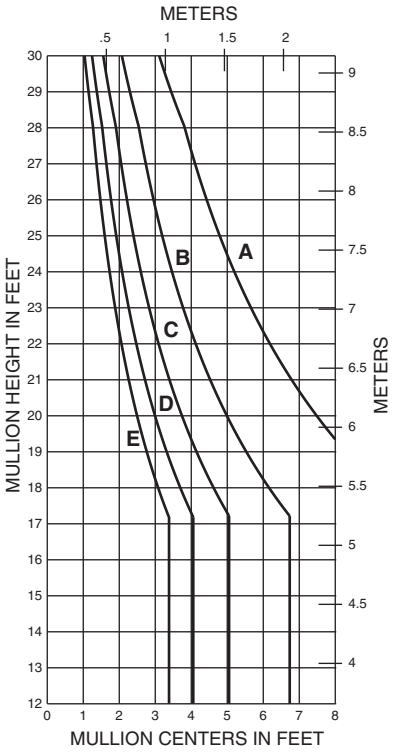


162-025

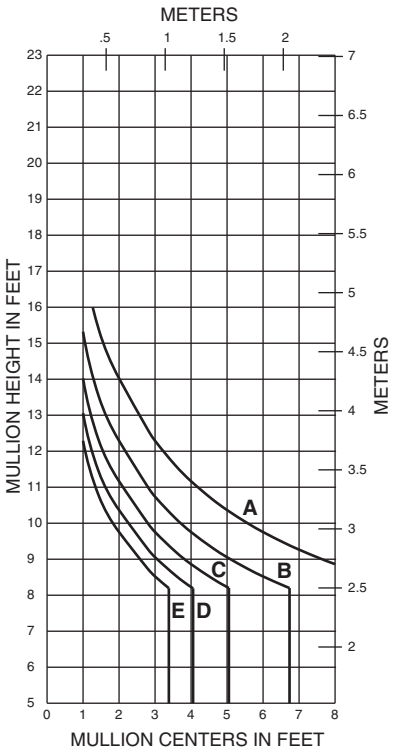
I = 2.860(119.04 x 10^4)

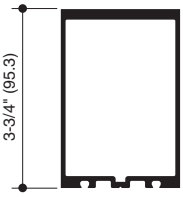
S = 1.482(24.28 x 10^3)

TWIN SPAN



SINGLE SPAN



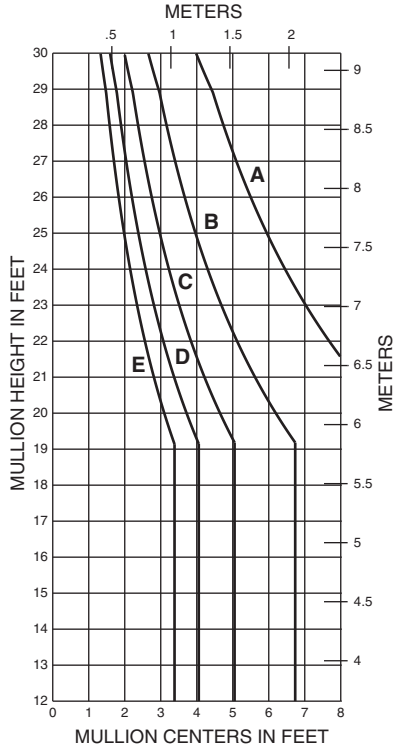


162-026

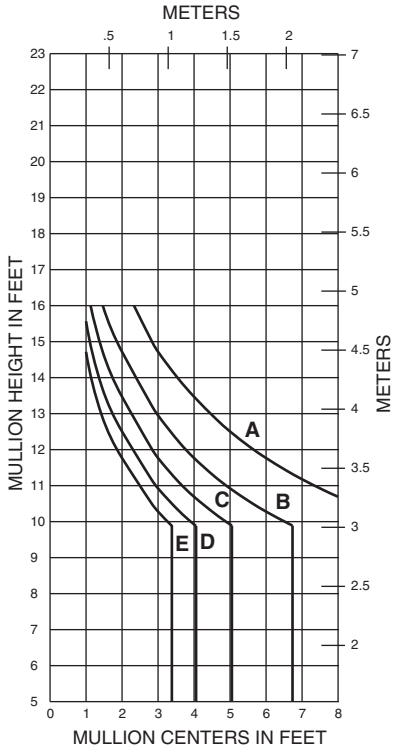
I = 3.660(152.34 x 10^4)

S = 1.840(30.15 x 10^3)

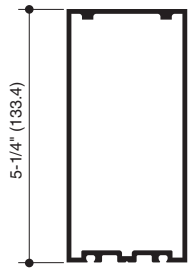
TWIN SPAN



SINGLE SPAN

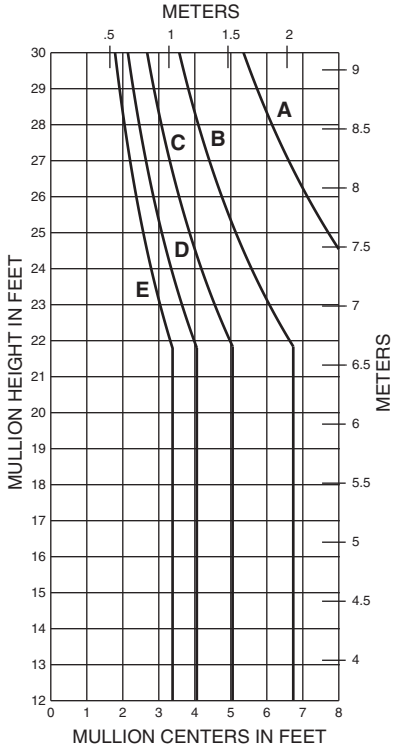


A = 20 PSF (960)
B = 30 PSF (1440)
C = 40 PSF (1920)
D = 50 PSF (2400)
E = 60 PSF (2880)

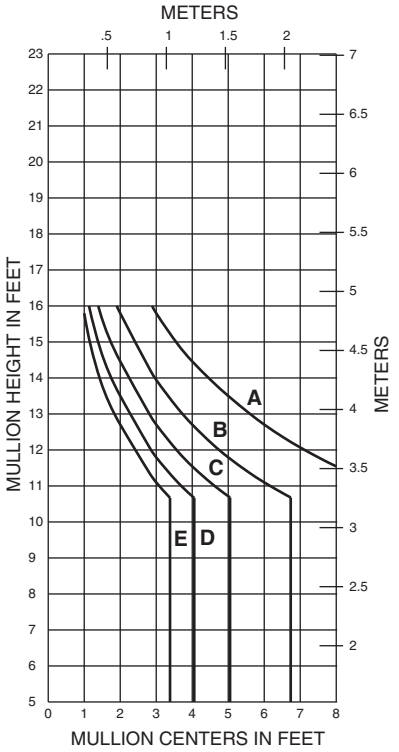


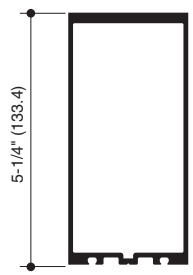
162-027
I = 6.424(267.38 x 10^4)
S = 2.385(39.08 x 10^3)

TWIN SPAN



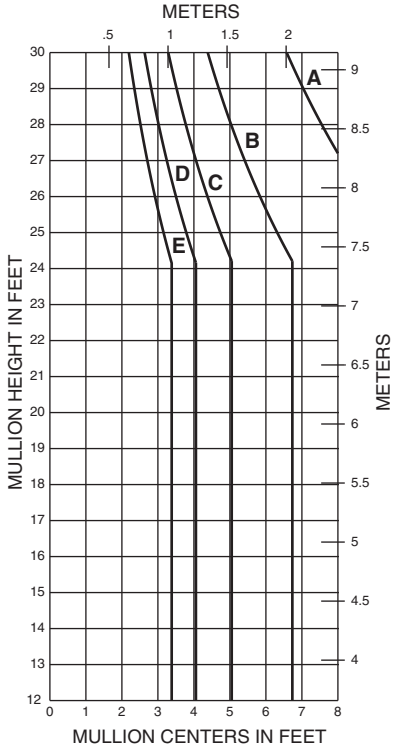
SINGLE SPAN





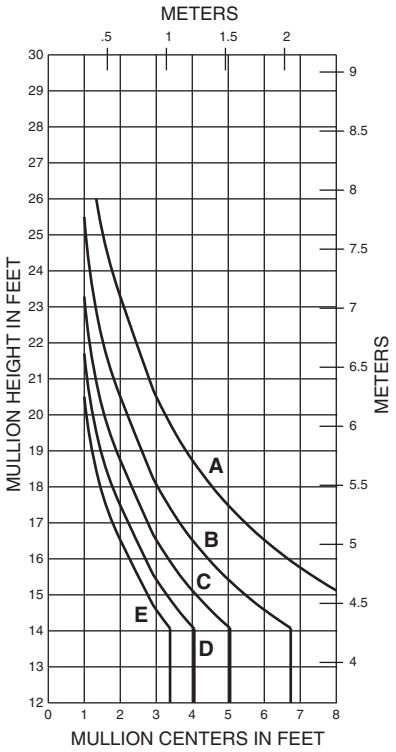
162-028
I = 8.088(336.64 x 10^4)
S = 2.930(48.01 x 10^3)

TWIN SPAN

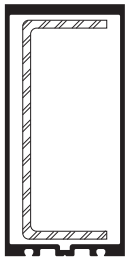


SINGLE SPAN

162-028 W/162-300

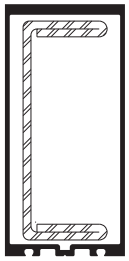


A = 20 PSF (960)
B = 30 PSF (1440)
C = 40 PSF (1920)
D = 50 PSF (2400)
E = 60 PSF (2880)



162-028 with 162-300

Ia = 8.088(336.64 x 10^4)
Sa = 2.930(48.01 x 10^3)
Is = 3.805(158.37 x 10^4)
Ss = 1.669(27.35 x 10^3)

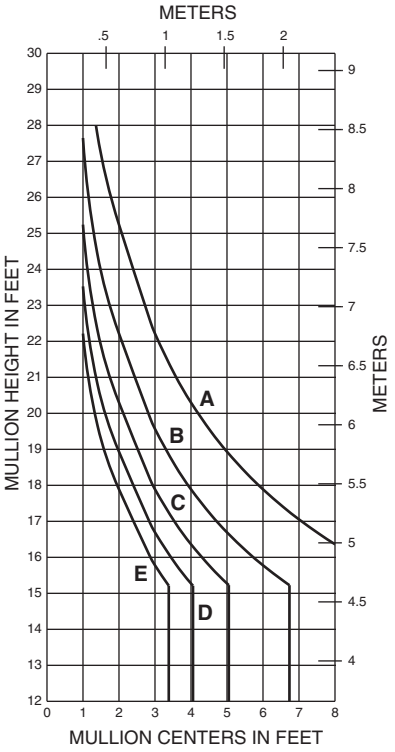


162-028 with 162-301

Ia = 8.088(336.64 x 10^4)
Sa = 2.930(48.01 x 10^3)
Is = 5.684(236.59 x 10^4)
Ss = 2.493(40.85 x 10^3)

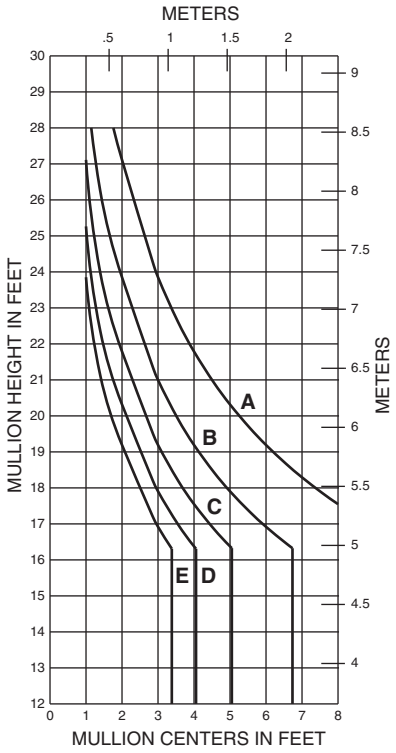
SINGLE SPAN

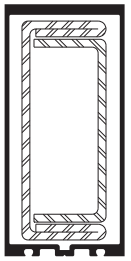
162-028 W/162-301



SINGLE SPAN

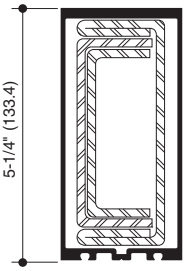
162-028 W/162-301/302





162-028 with 162-301/302

Ia = 8.088(336.64 x 10^4)
Sa = 2.930(48.01 x 10^3)
Is = 7.893(328.53 x 10^4)
Ss = 3.462(56.73 x 10^3)

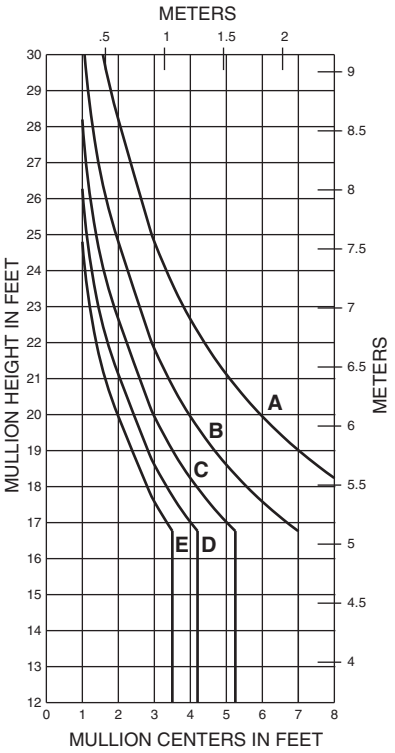


162-028 with 162-301/302/303

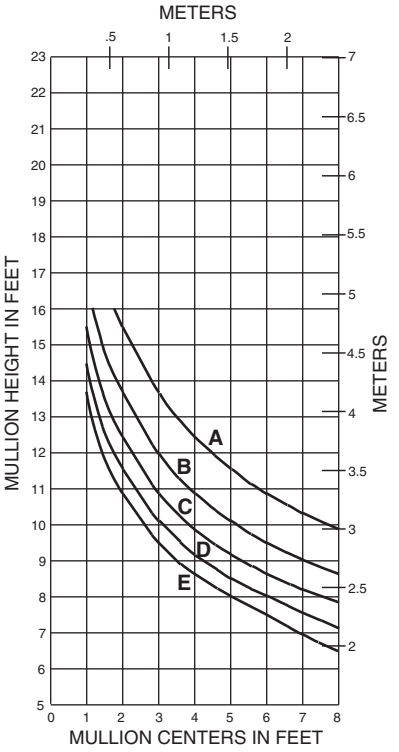
Ia = 8,088(336,64 x 10^4)
Sa = 2,930(48,01 x 10^3)
Is = 9,347(389,05 x 10^4)
Ss = 4,100(67,19 x 10^3)

SINGLE SPAN

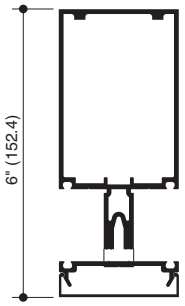
162-028 W/162-301/302/303



SINGLE SPAN

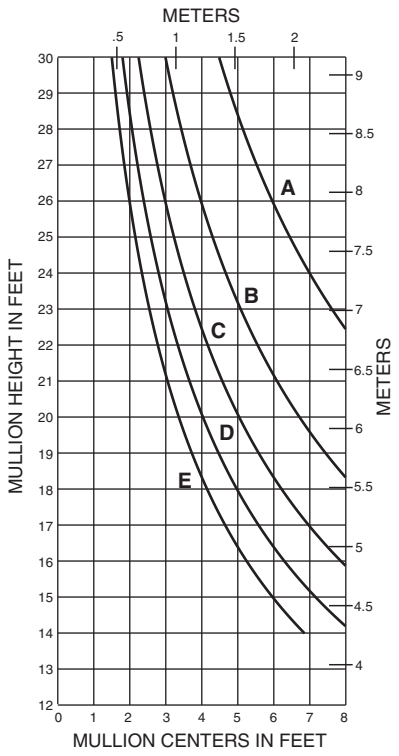


A = 20 PSF (960)
B = 30 PSF (1440)
C = 40 PSF (1920)
D = 50 PSF (2400)
E = 60 PSF (2880)

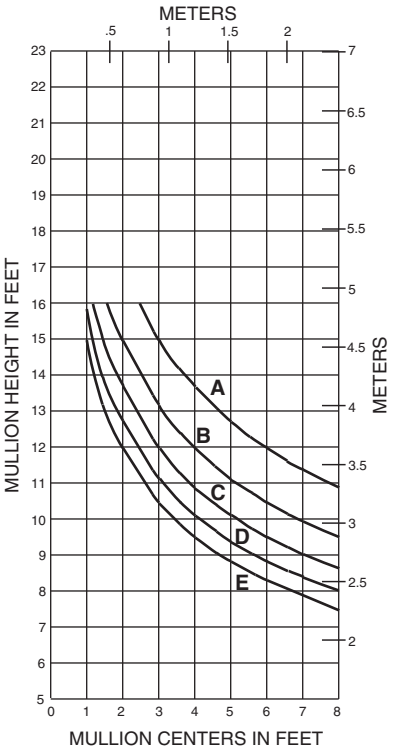


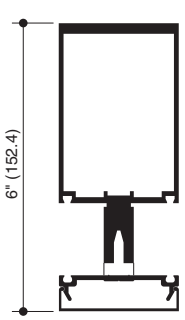
162-001
I = 5.035(209.57 x 10^4)
S = 1.993(32.66 x 10^3)

TWIN SPAN

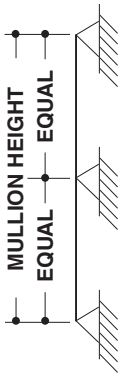


SINGLE SPAN

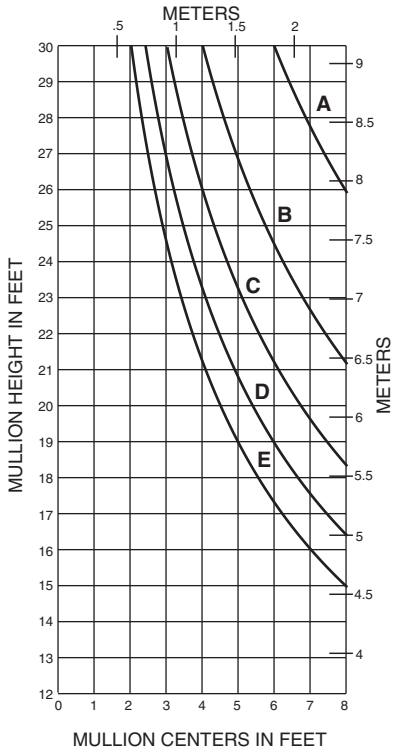




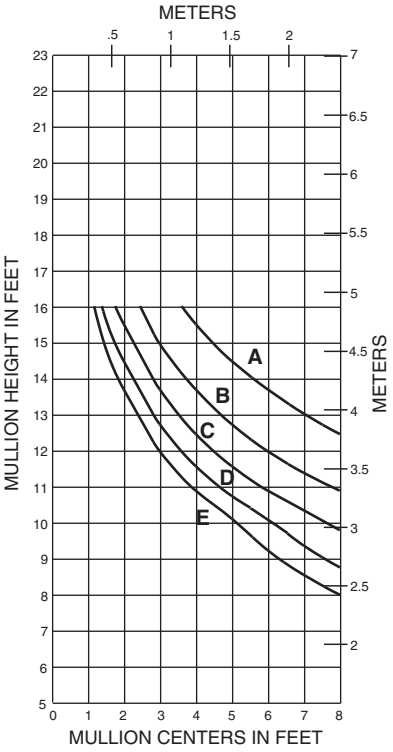
162-002
I = 6.779(282.16 x 10^4)
S = 2.652(43.46 x 10^3)



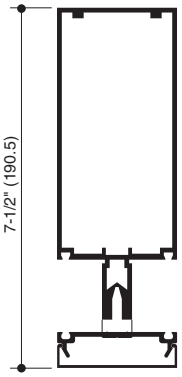
TWIN SPAN



SINGLE SPAN

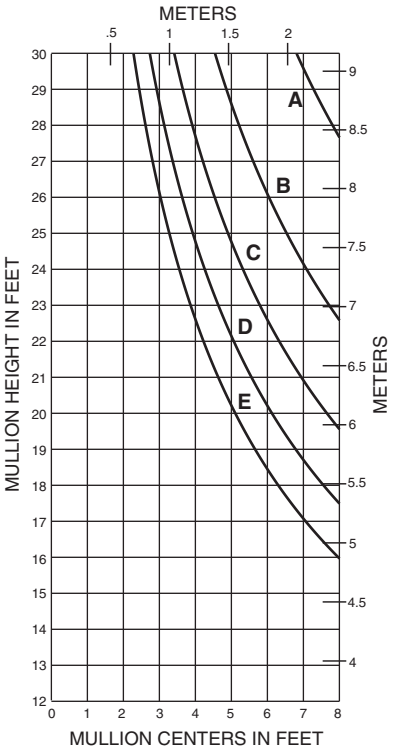


A = 20 PSF (960)
B = 30 PSF (1440)
C = 40 PSF (1920)
D = 50 PSF (2400)
E = 60 PSF (2880)

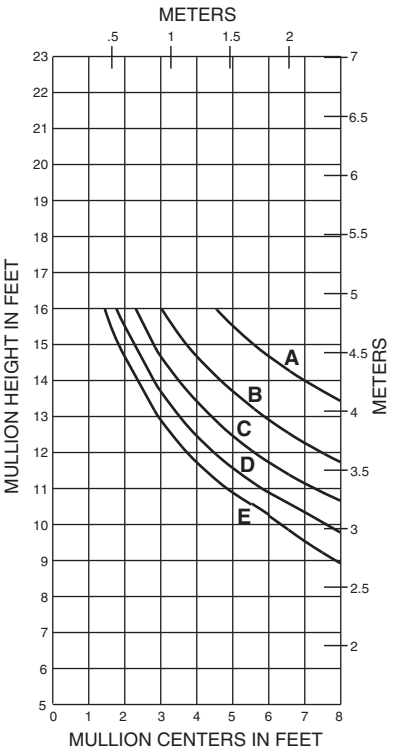


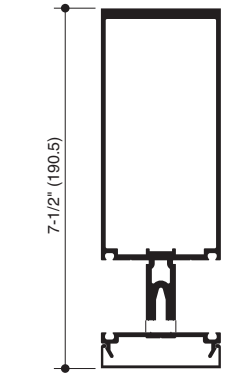
162-003
I = 10.135(421.85 x 10^4)
S = 3.027(49.60 x 10^3)

TWIN SPAN



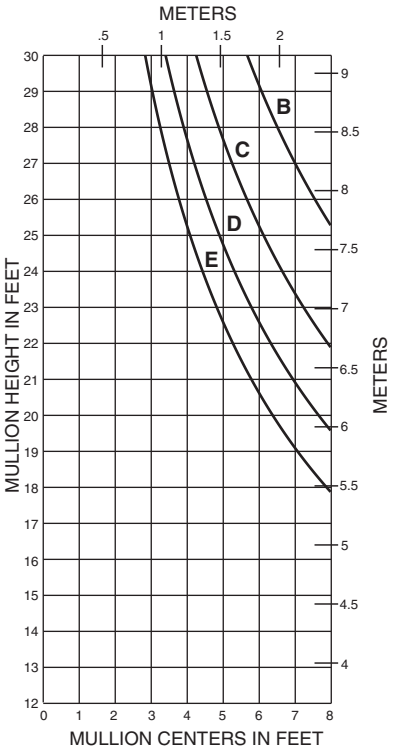
SINGLE SPAN





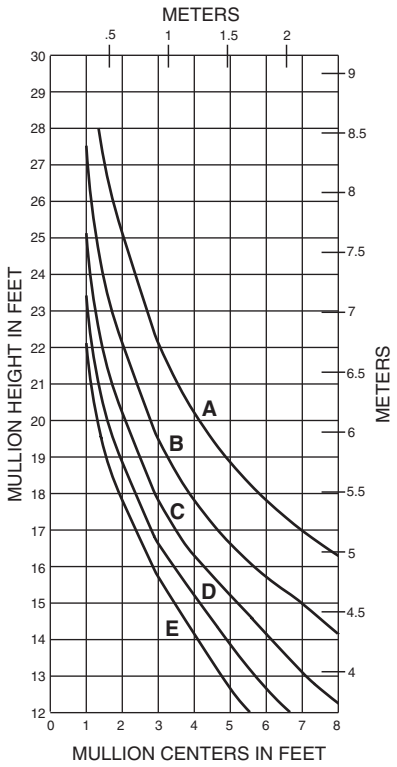
162-004
I = 12.736(530.11 x 10^4)
S = 3.791(62.12 x 10^3)

TWIN SPAN

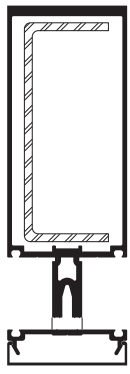


SINGLE SPAN

162-004 W/162-300

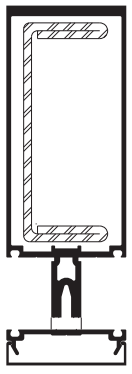


A = 20 PSF (960)
B = 30 PSF (1440)
C = 40 PSF (1920)
D = 50 PSF (2400)
E = 60 PSF (2880)



162-004
with 162-300

Ia = 12.736(530.11 x 10^4)
Sa = 3.791(62.12 x 10^3)
Is = 3.805(158.37 x 10^4)
Ss = 1.669(27.35 x 10^3)

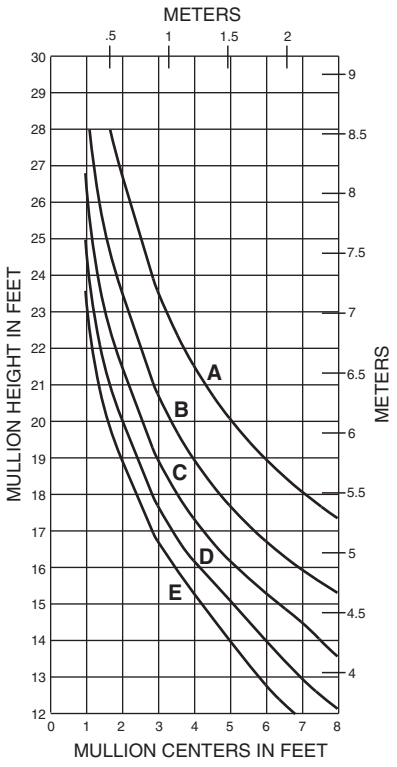


162-004
with 162-301

Ia = 12.736(530.11 x 10^4)
Sa = 3.791(62.12 x 10^3)
Is = 5.684(236.59 x 10^4)
Ss = 2.493(40.85 x 10^3)

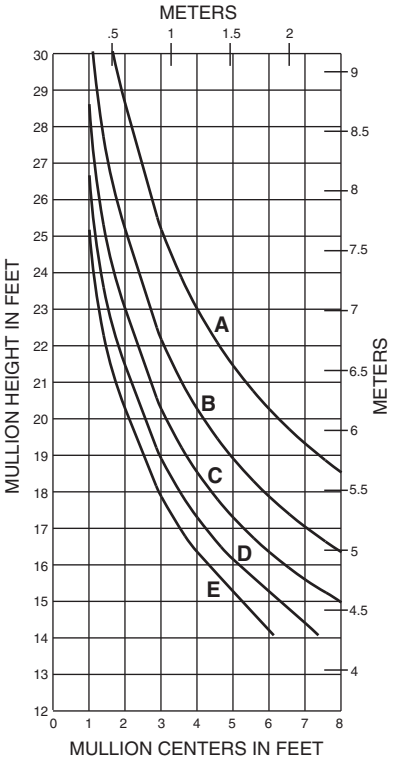
SINGLE SPAN

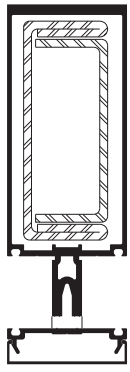
162-004 W/162-301



SINGLE SPAN

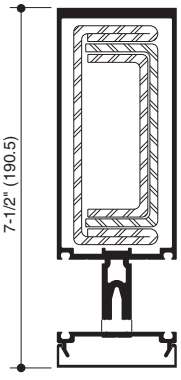
162-004 W/162-301/302





162-004
with 162-301/302

Ia = 12.736(530.11 x 10^4)
Sa = 3.791(62.12 x 10^3)
Is = 7.893(328.53 x 10^4)
Ss = 3.462(56.73 x 10^3)

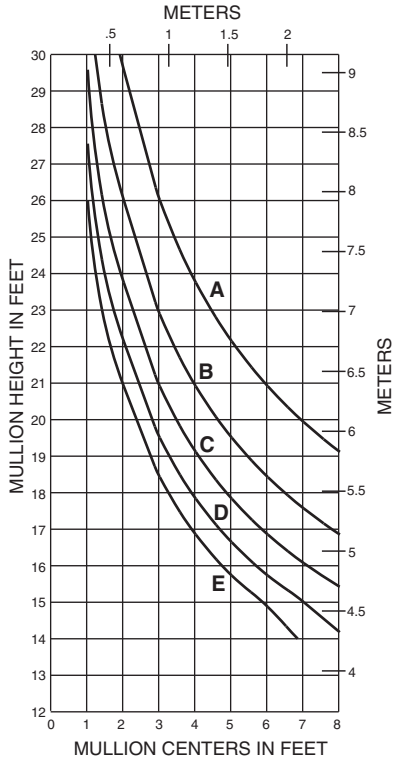


162-004
with 162-301/302/303

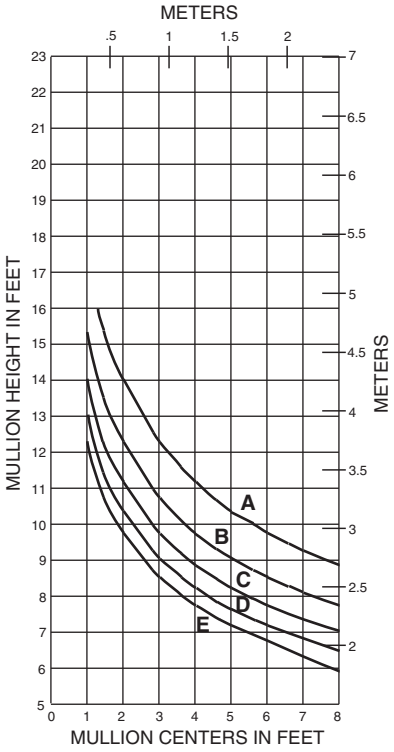
Ia = 12.736(530.11 x 10^4)
Sa = 3.791(62.12 x 10^3)
Is = 9.347(389.05 x 10^4)
Ss = 4.100(67.19 x 10^3)

SINGLE SPAN

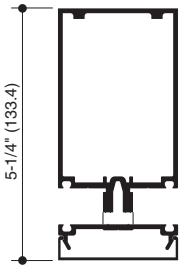
162-004 W/162-301/302/303



SINGLE SPAN



A = 20 PSF (960)
B = 30 PSF (1440)
C = 40 PSF (1920)
D = 50 PSF (2400)
E = 60 PSF (2880)

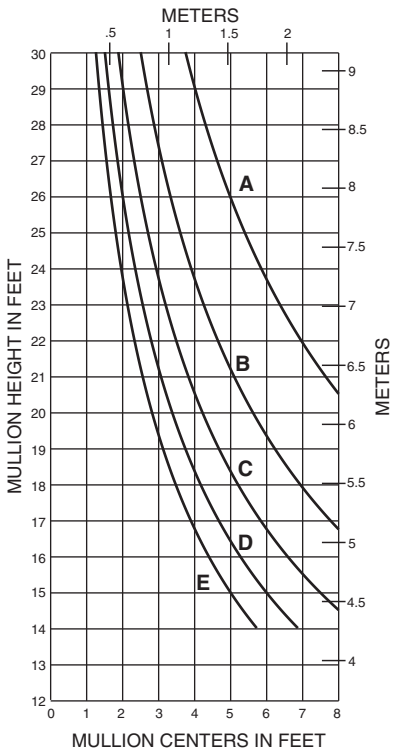


162-013

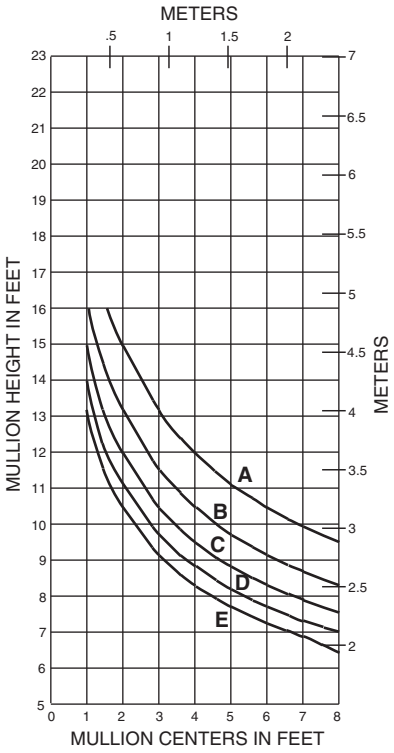
$I = 3.662(152.42 \times 10^4)$

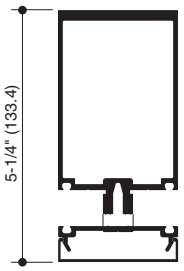
$S = 1.662(27.24 \times 10^3)$

TWIN SPAN



SINGLE SPAN

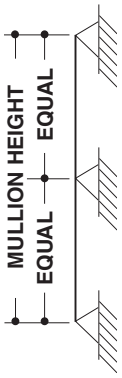




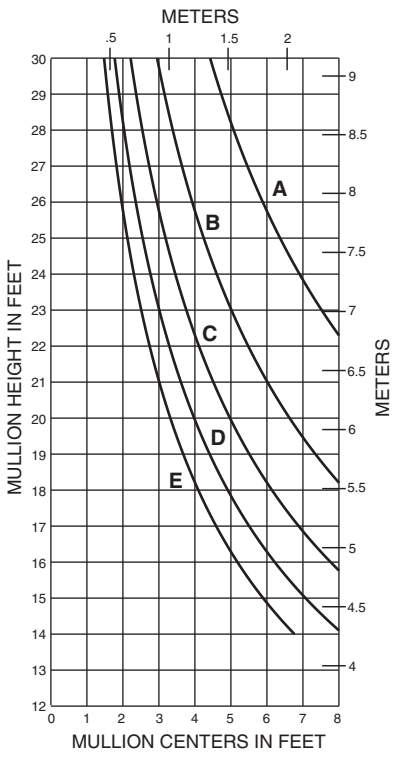
162-014

$I = 4.5071(87.60 \times 10^4)$

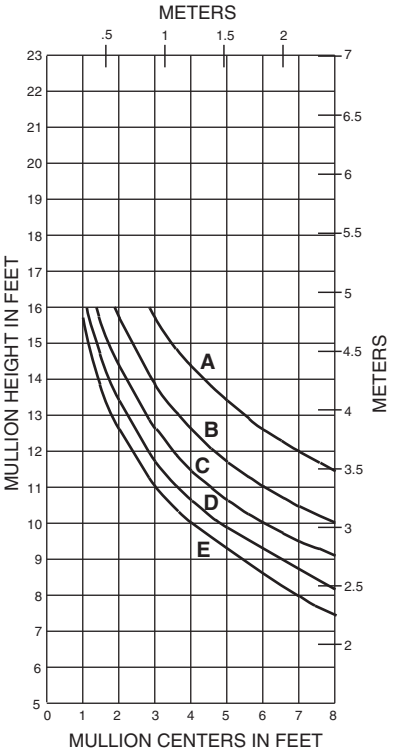
$S = 1.968(32.25 \times 10^3)$



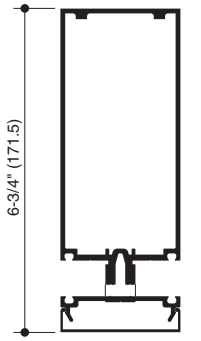
TWIN SPAN



SINGLE SPAN

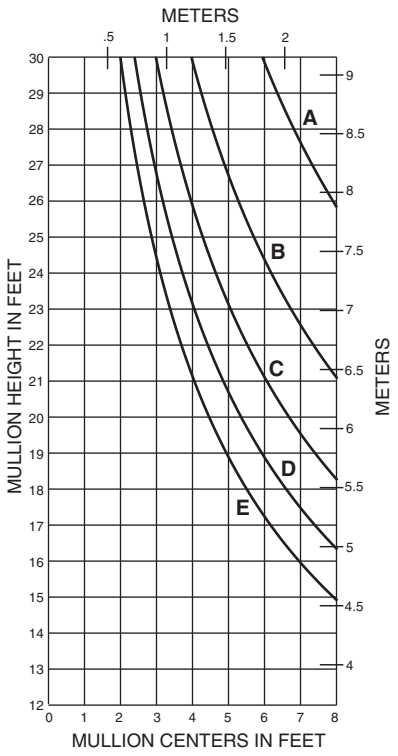


A = 20 PSF (960)
B = 30 PSF (1440)
C = 40 PSF (1920)
D = 50 PSF (2400)
E = 60 PSF (2880)

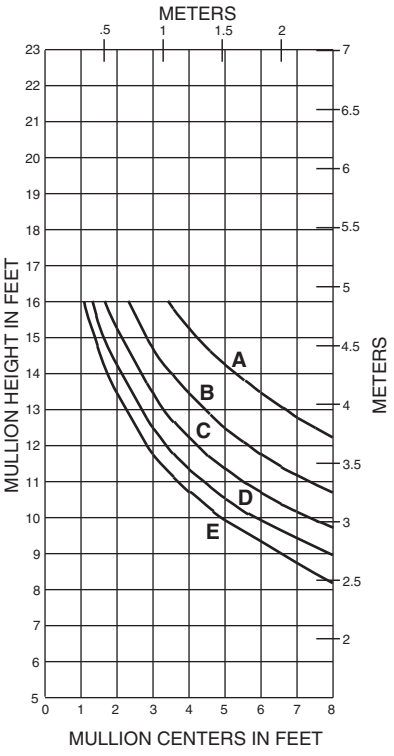


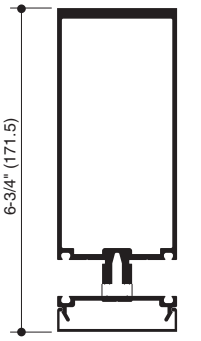
162-015
I = 7.915(329.45 x 10^4)
S = 2.635(43.18 x 10^3)

TWIN SPAN



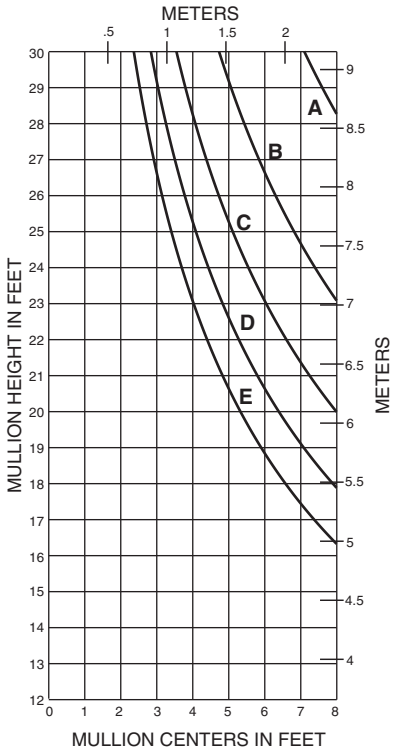
SINGLE SPAN





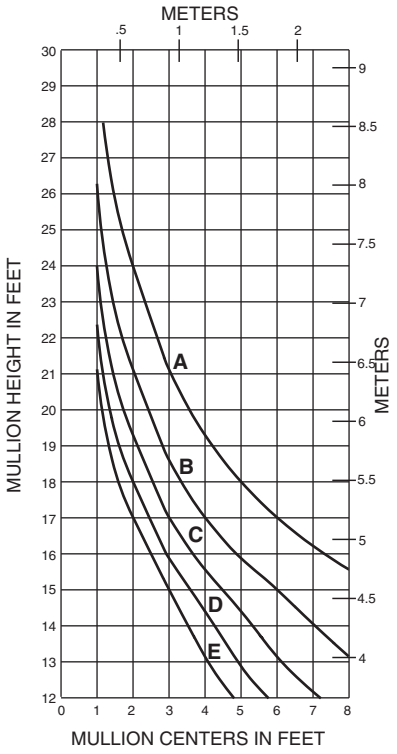
162-016
I = 9.594(399.33 x 10^4)
S = 3.163(51.83 x 10^3)

TWIN SPAN

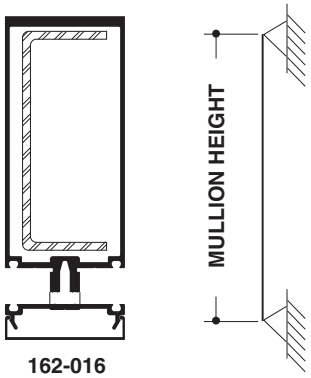


SINGLE SPAN

162-016 W/162-300



A = 20 PSF (960)
B = 30 PSF (1440)
C = 40 PSF (1920)
D = 50 PSF (2400)
E = 60 PSF (2880)



162-016
with 162-300

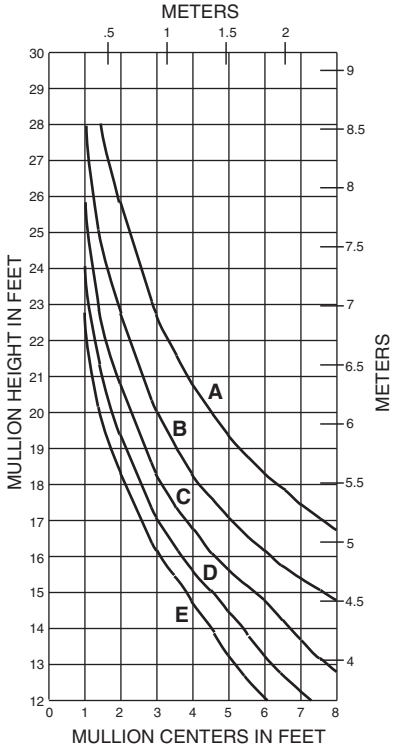
$I_a = 9.594(399.33 \times 10^4)$
$S_a = 3.163(51.83 \times 10^3)$
$I_s = 3.805(158.37 \times 10^4)$
$S_s = 1.669(27.35 \times 10^3)$

162-016
with 162-301

$I_a = 9.594(399.33 \times 10^4)$
$S_a = 3.163(51.83 \times 10^3)$
$I_s = 5.684(236.59 \times 10^4)$
$S_s = 2.493(40.85 \times 10^3)$

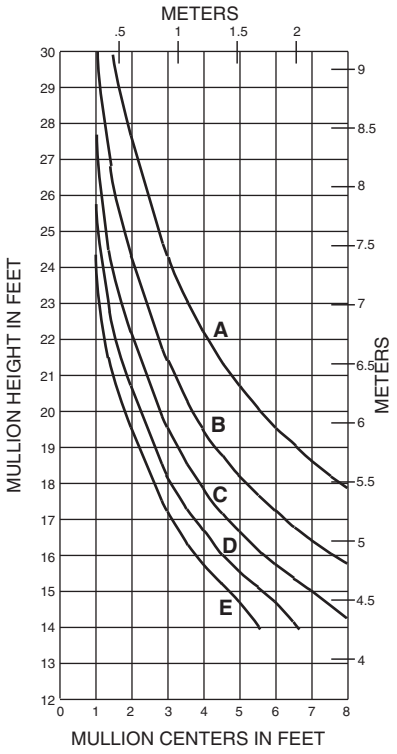
SINGLE SPAN

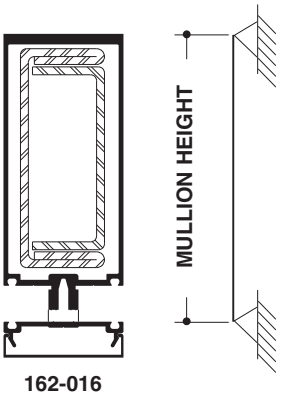
162-016 W/162-301



SINGLE SPAN

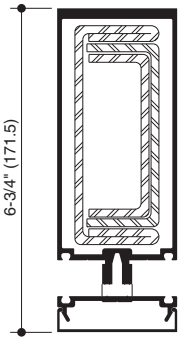
162-016 W/162-301/302





162-016
with 162-301/302

$I_a = 9.594(399.33 \times 10^4)$
$S_a = 3.163(51.83 \times 10^3)$
$I_s = 7.893(328.53 \times 10^4)$
$S_s = 3.462(56.73 \times 10^3)$

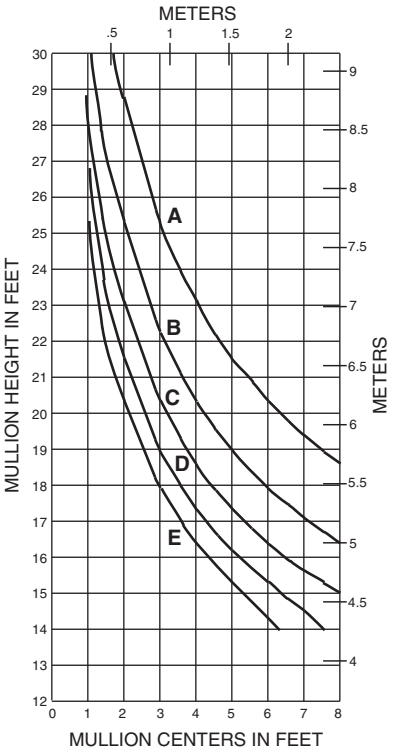


162-016
with 162-301/302/303

$I_a = 9.594(399.33 \times 10^4)$
$S_a = 3.163(51.83 \times 10^3)$
$I_s = 9.347(389.05 \times 10^4)$
$S_s = 4.100(67.19 \times 10^3)$

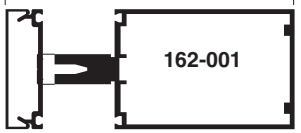
SINGLE SPAN

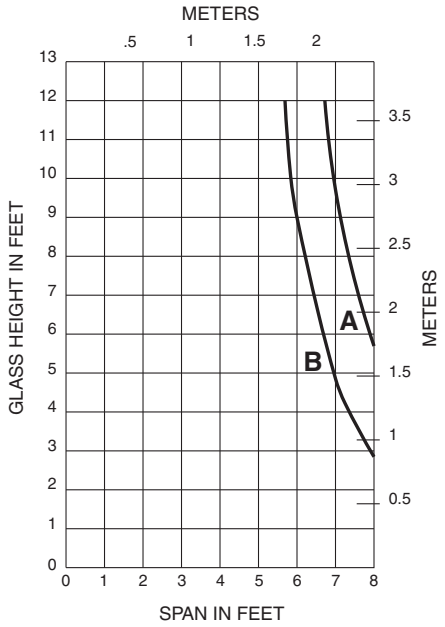
162-016 W/162-301/302/303



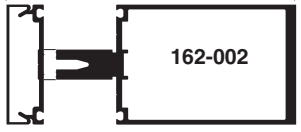
A - 1/4" GLASS (1/4 POINT LOADING)
B - 1" GLASS (1/4 POINT LOADING)

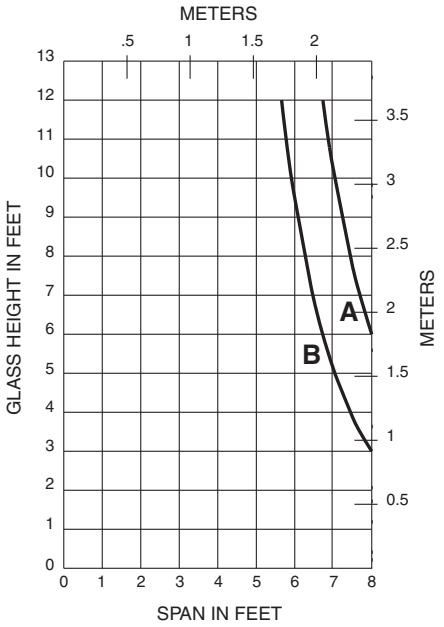
6" (152.4)



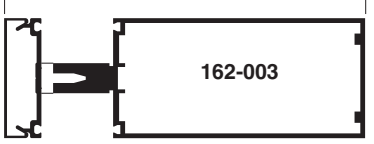


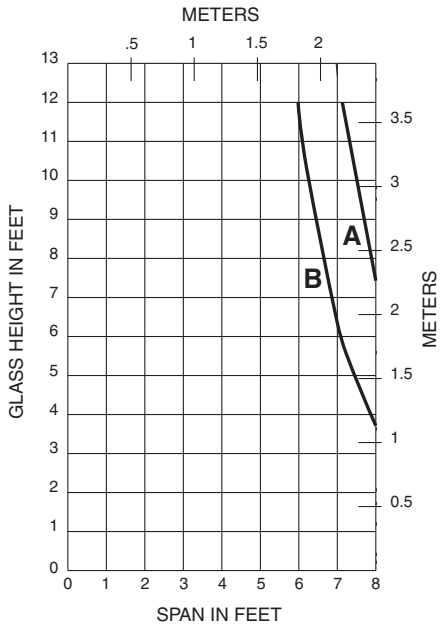
6" (152.4)



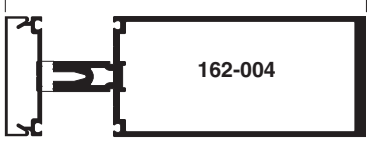


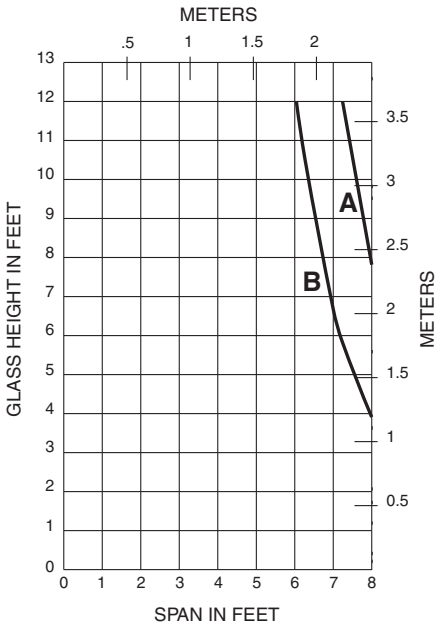
7-1/2" (190.5)



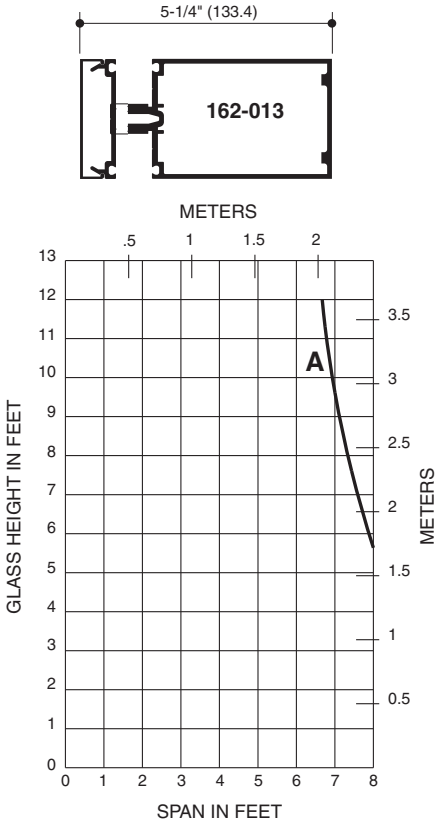


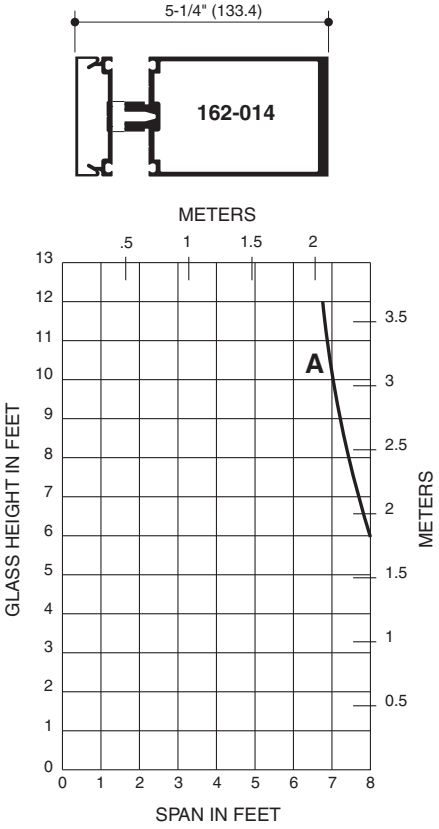
7-1/2" (190.5)

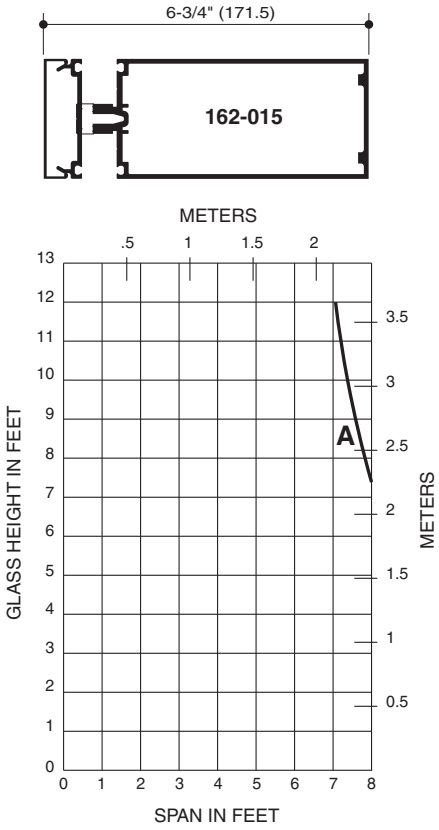


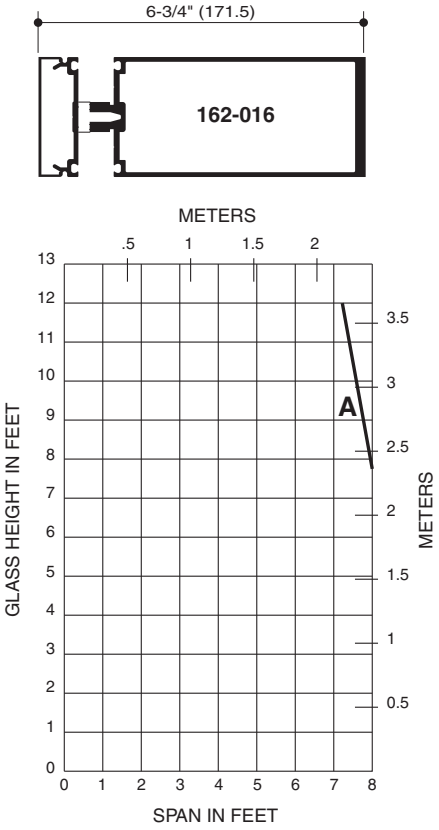


A - 1/4" GLASS (1/4 POINT LOADING)

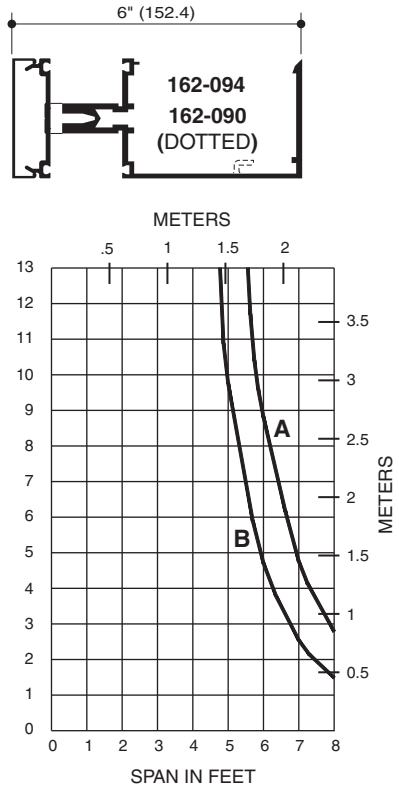




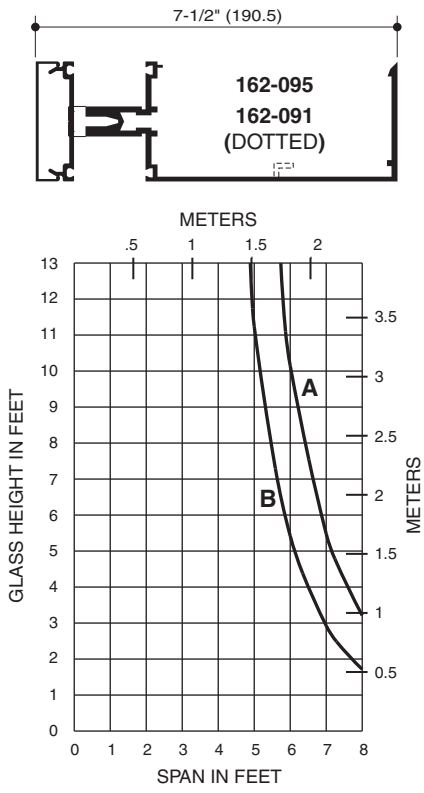




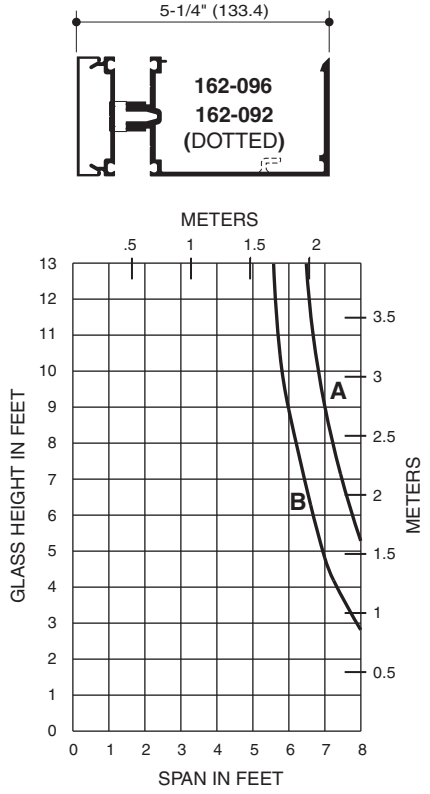
A - 1" GLASS (1/8 POINT LOADING)
B - 1" GLASS (1/4 POINT LOADING)



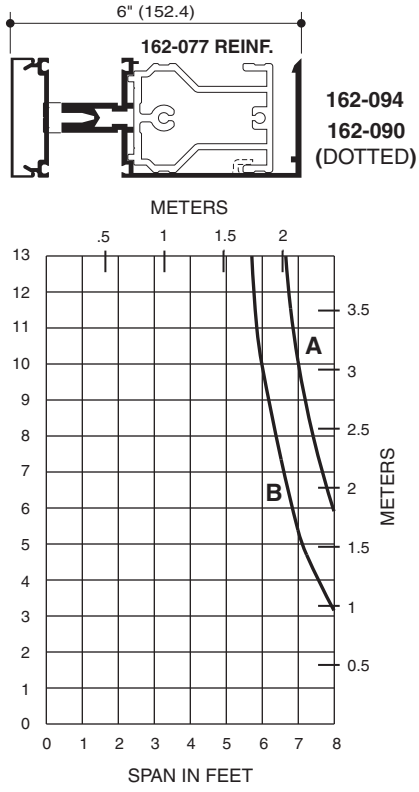
A - 1" GLASS (1/8 POINT LOADING)
B - 1" GLASS (1/4 POINT LOADING)



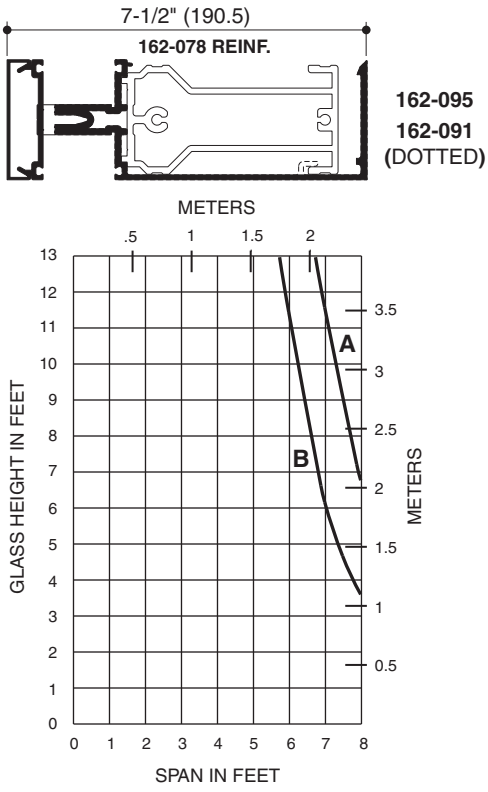
A - 1/4" GLASS (1/8 POINT LOADING)
B - 1/4" GLASS (1/4 POINT LOADING)



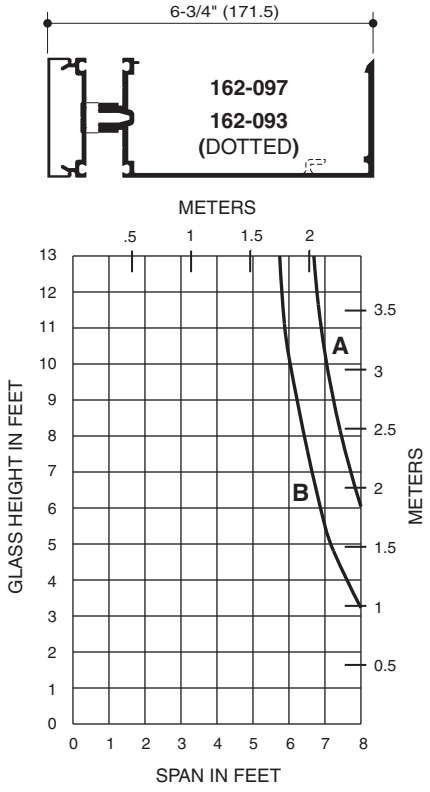
A - 1" GLASS (1/8 POINT LOADING)
B - 1" GLASS (1/4 POINT LOADING)



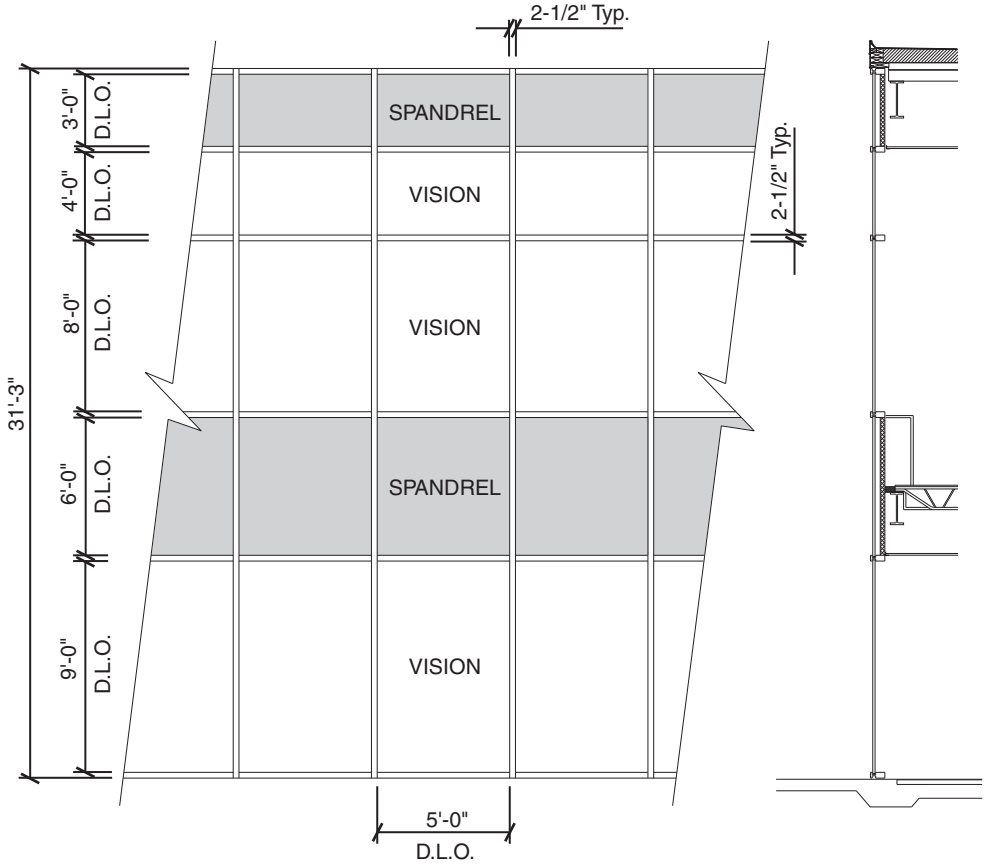
A - 1" GLASS (1/8 POINT LOADING)
B - 1" GLASS (1/4 POINT LOADING)



A - 1/4" GLASS (1/8 POINT LOADING)
B - 1/4" GLASS (1/4 POINT LOADING)



Project Specific U-factor
Example Calculation
(Based on single bay of Curtain Wall/Window Wall)



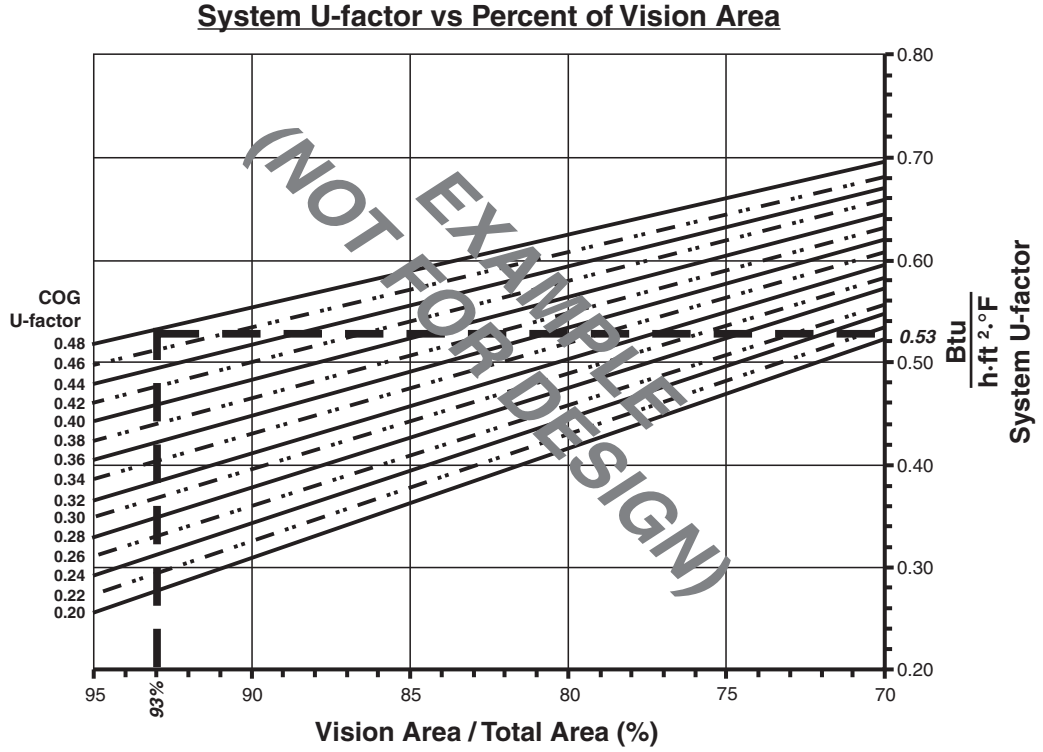
Vision Area

Example Glass U-factor	= 0.48 Btu/(ft² · h · °F)
Vision Area	= 5(9 + 8 + 4) = 105.0 ft²
Total Area (Vision)	= 5' 2-1/2" (9' 3-3/4" + 8' 2-1/2" + 4' 2-1/2") = 113.2 ft²
Percentage of Vision Glass	= (Vision Area ÷ Total Area)100 = (105.0 ÷ 113.2)100 = 93%

Spandrel Area

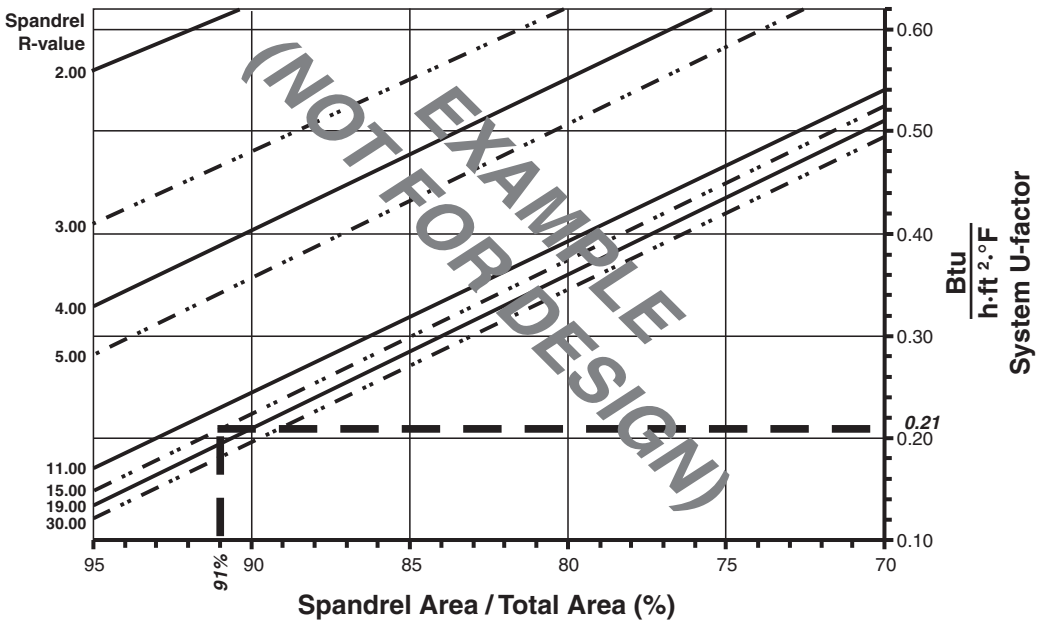
Example Spandrel R-value	= 15 (ft² · h · °F)/Btu
Spandrel Area	= 5(6 + 3) = 45.0 ft²
Total Area (Spandrel)	= 5' 2-1/2" (6' 2-1/2" + 3' 3-3/4") = 49.6 ft²
Percent of Spandrel	= (Spandrel Area ÷ Total Area)100 = (49.0 ÷ 49.6)100 = 91%

Vision Area Chart



Based on a single curtain wall bay of 93% vision glass and center of glass U-factor of 0.48, System U-factor is equal to 0.53 Btu/(h·ft ²·°F)

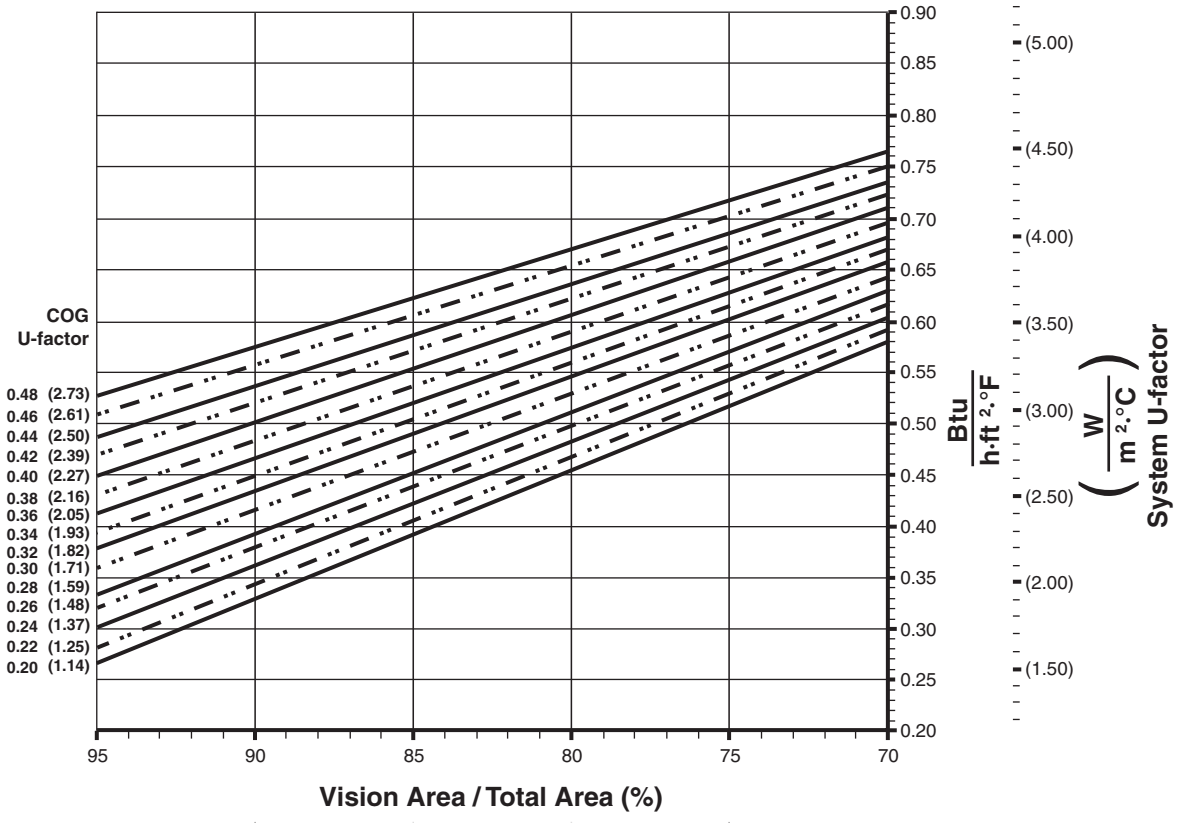
Spandrel Area Chart



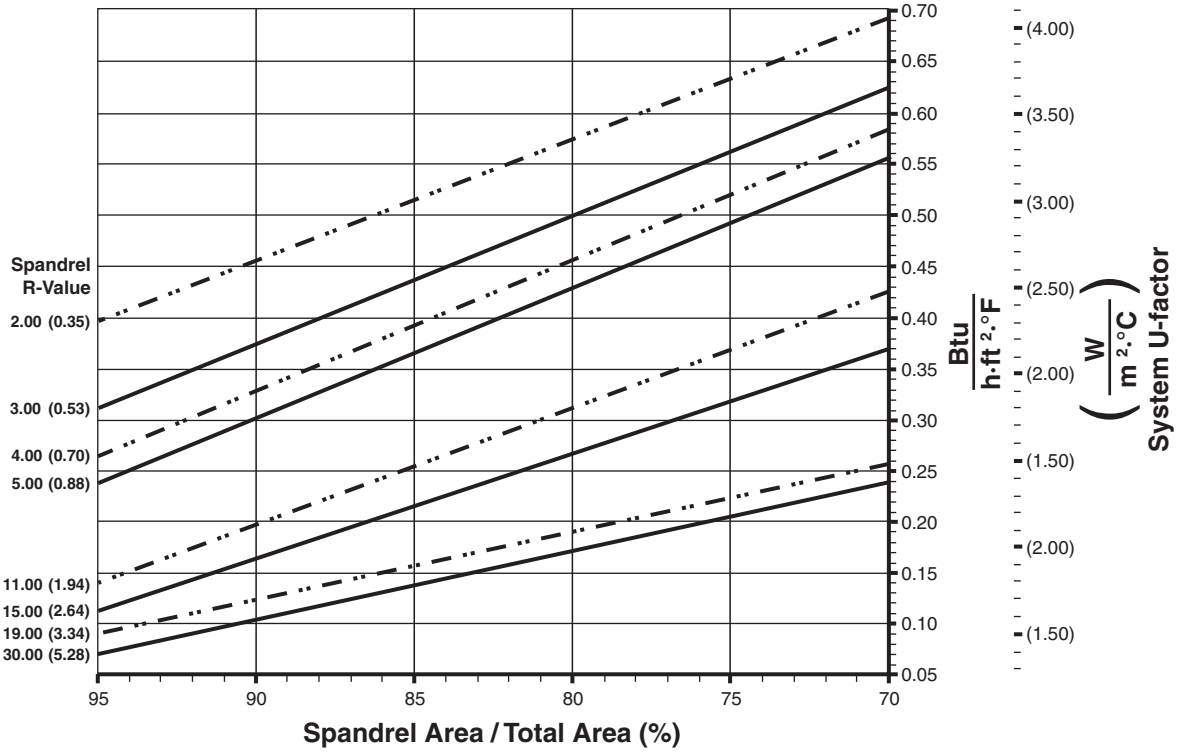
Based on a single curtain wall bay of 91% spandrel and center of spandrel R-value of 15, system U-factor is equal to 0.21 Btu/(h·ft ²·°F)

Note:
Values in parentheses are metric.
COG=Center of Glass.
Charts are generated per AAMA 507.

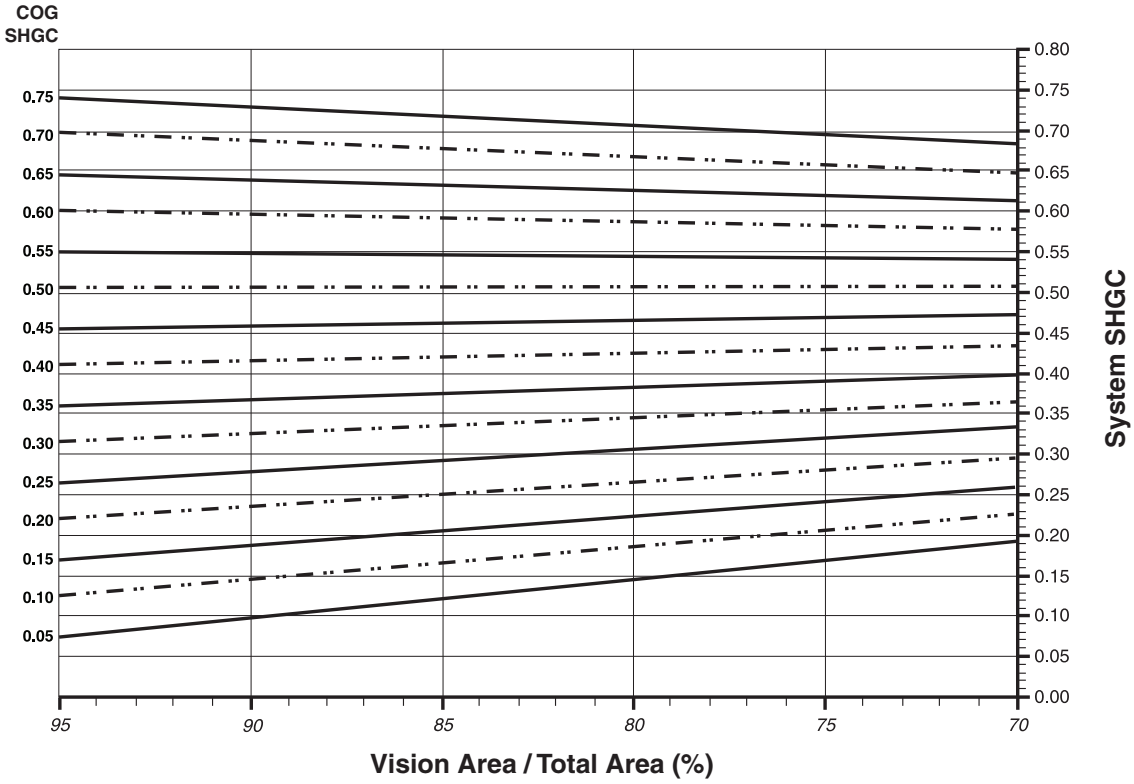
System U-Factor for Vision Glass



System U-Factors for Spandrel Glass

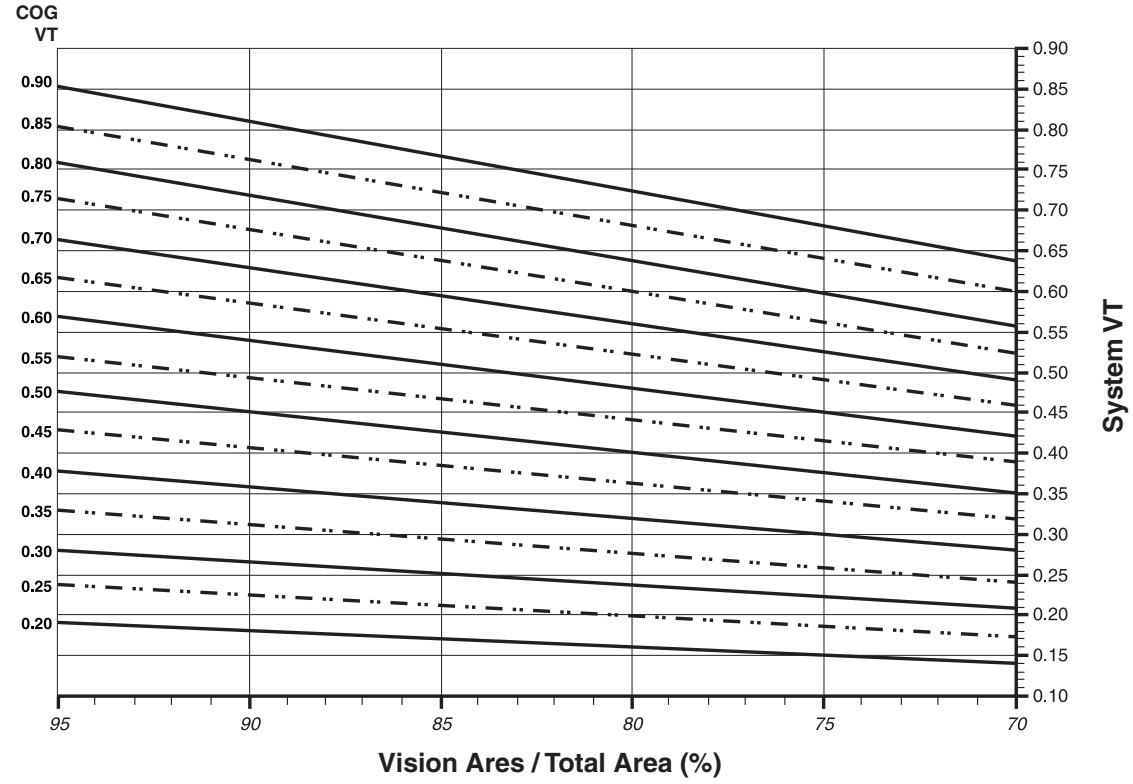


System Solar Heat Gain Coefficient (SHGC) vs Percent of Vision Area



Charts are generated per AAMA 507.

System Visible Transmittance (VT) vs Percent of Vision Area



Charts are generated per AAMA 507.

Thermal Transmittance[1] (BTU/hr • ft [2] • °F)

Glass U-Factor [3]	Overall U-Factor [4]
0.48	0.56
0.46	0.54
0.44	0.53
0.42	0.51
0.40	0.49
0.38	0.48
0.36	0.46
0.34	0.44
0.32	0.42
0.30	0.41
0.28	0.39
0.26	0.37
0.24	0.36
0.22	0.34
0.20	0.32

SHGC Matrix [2]

Glass SHGC [3]	Overall SHGC [4]
0.75	0.73
0.70	0.68
0.65	0.64
0.60	0.59
0.55	0.55
0.50	0.50
0.45	0.46
0.40	0.41
0.35	0.37
0.30	0.32
0.25	0.28
0.20	0.23
0.15	0.19
0.10	0.14
0.05	0.10

Visible Transmittance [2]

Glass VT [3]	Overall VT [4]
0.90	0.81
0.85	0.77
0.80	0.72
0.75	0.68
0.70	0.63
0.65	0.59
0.60	0.54
0.55	0.50
0.50	0.45
0.45	0.41
0.40	0.36
0.35	0.32
0.30	0.27
0.25	0.23
0.20	0.18

NOTE: For glass values that are not listed, linear interpolation is permitted.

1. U-Factors are determined in accordance with NFRC 100.
2. SHGC and VT values are determined in accordance with NFRC 200.
3. Glass properties are based on center of glass values and are obtained from your glass supplier.
4. Overall U-Factor, SHGC, and VT Matricies are based on the standard NFRC specimen size of 2000mm wide by 2000mm high (78-3/4" by 78-3/4").