## Features

- 1620UT SSG is a high thermal performance, structural silicone glazed curtain wall system
- Innovative design delivers high thermal performance while leveraging 1600 Wall System architecture
- 1620UT SSG has a 2" narrow (50.8) sightline
- Standard infill options 1/4" (6.4), 1" (25.4), and 1-3/4" (44.5)
- Standard 6" (152.4) or 7-1/2" (190.5) depth systems for double glazed 1" (25.4) infill and 6-3/4" (171.5) or 8-1/4" (209.6) depth for triple glazed 1-3/4" (44.5) infill
- Thermally Broken by means of a continuous 1" (25.4) low conductance engineered polymer
- Comprehensively tested to high performance air, water, structural, seismic, thermal, and acoustical standards
- Concealed fastener joinery creates smooth, monolithic appearance
- Open-back horizontals and perimeters are available for cost savings
- Shear block fabrication method
- Corner mullions and Splayed mullions
- Offers integrated entrance framing systems
- Silicone compatible glazing materials for long-lasting seals
- Two color option
- Permanodic® anodized finishes option
- Painted finishes in standard and custom choices

## Optional Features

- Steel reinforcing
- Rain screen and backpans
- Deep covers
- Fiberglass pressure plates
- Heavy-weight mullions
- Profit$Maker® Plus die sets

## Product Applications

- Ideal for low to mid-rise applications where high performance is desired



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.

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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

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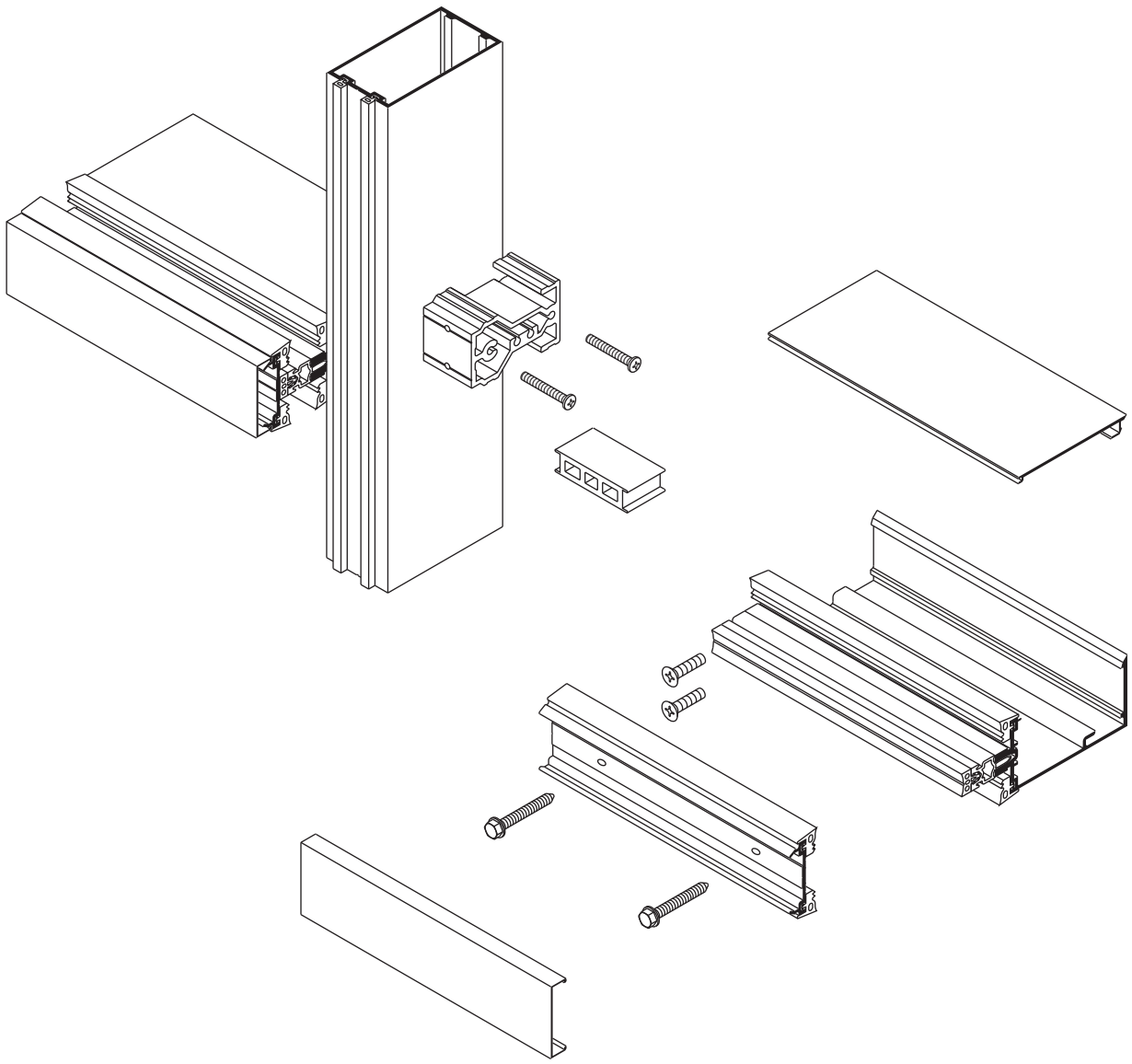
EC 97911-343

# 1620UT SSG Curtain Wall System



PICTORIAL VIEW



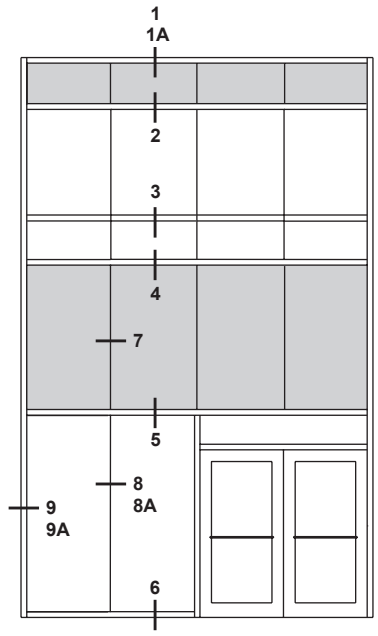
# 1620UT SSG Curtain Wall System

JULY, 2025

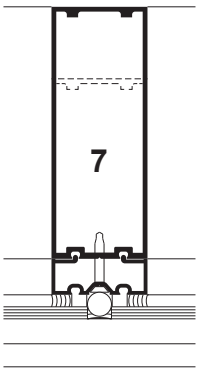
1" INFILL DETAILS

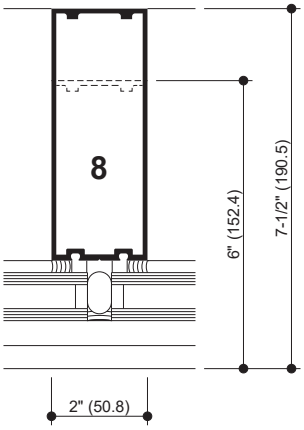
EC 97911-343

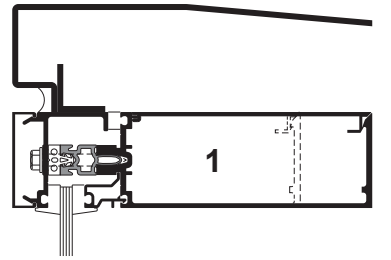
**Additional information and CAD details are available at www.kawneer.com**

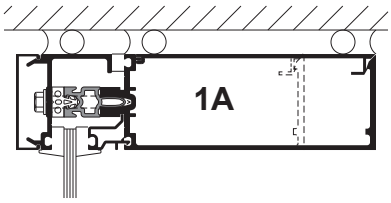


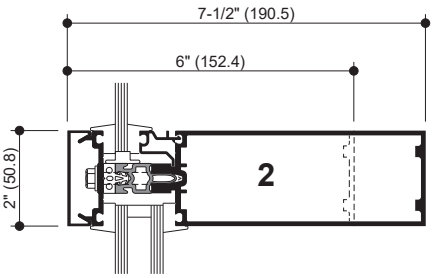

**ELEVATION IS NUMBER KEYED TO DETAILS**

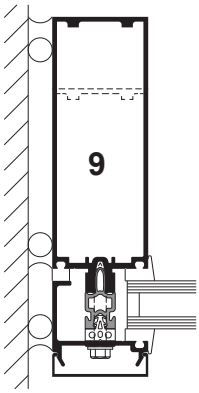


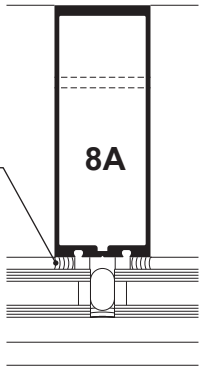



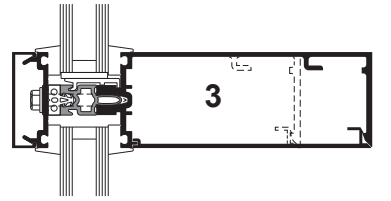



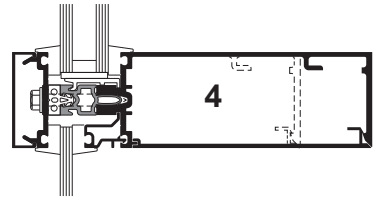



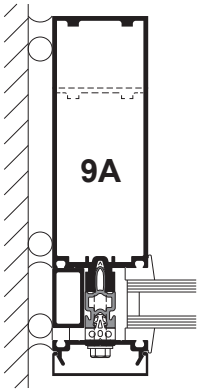



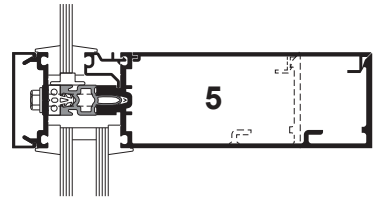



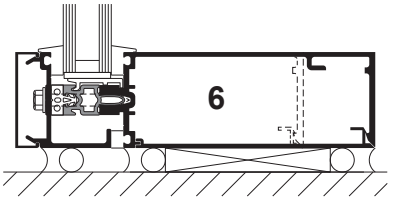

HEAVY VERTICAL
MULLION



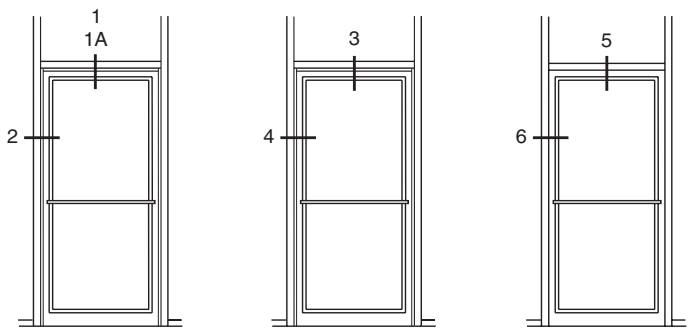



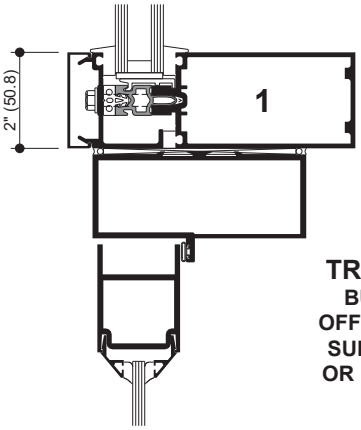

*** INSTALLER NOTE:** Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

**Additional information and CAD details are available at www.kawneer.com**

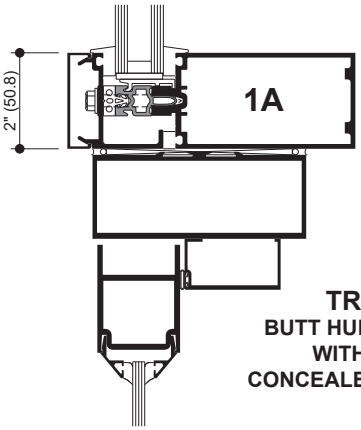



**B/H OR O/P** **C/H** **B/H OR O/P**

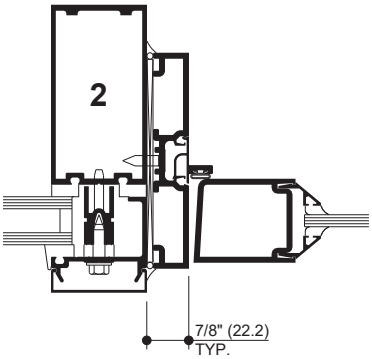
**ELEVATION IS NUMBER KEYED TO DETAILS**



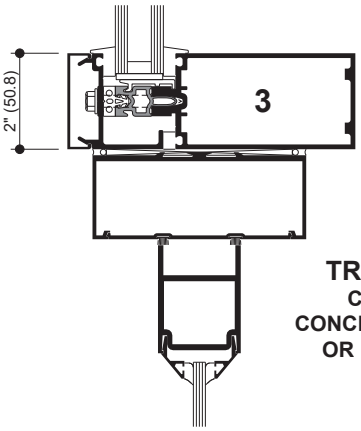

**TRANSOM BAR**
**BUTT HUNG OR OFFSET PIVOT WITH SURFACE CLOSER OR FLOOR CLOSER**



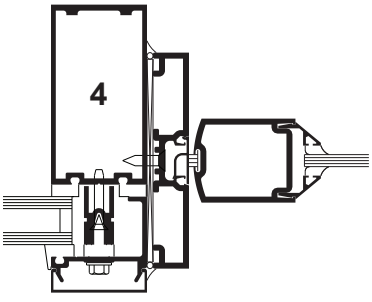

**TRANSOM BAR**
**BUTT HUNG OR OFFSET PIVOT WITH SINGLE ACTING CONCEALED OVERHEAD CLOSER**



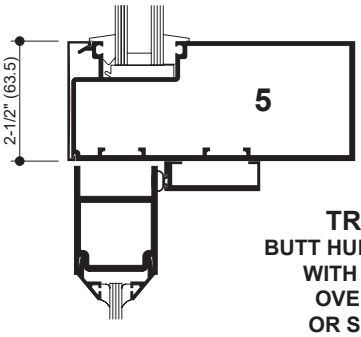

**DOOR JAMB**
**BUTT HUNG OR OFFSET PIVOT**



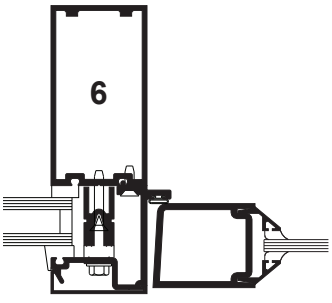

**TRANSOM BAR**
**CENTER HUNG CONCEALED OVERHEAD OR FLOOR CLOSER**




**DOOR JAMB**
**CENTER HUNG**

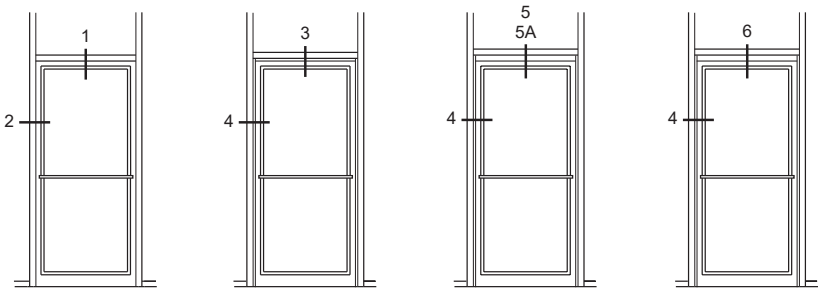



**TRANSOM BAR**
**BUTT HUNG OR OFFSET PIVOT WITH LCN CONCEALED OVER HEAD CLOSER OR SURFACE CLOSER**



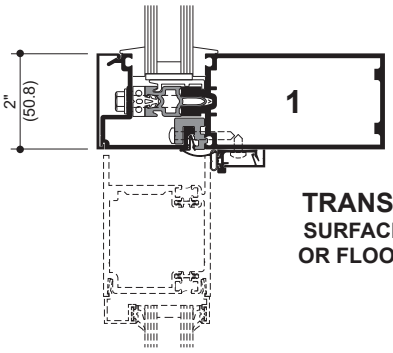

**DOOR JAMB**
**BUTT HUNG OR OFFSET PIVOT**

**Additional information and CAD details are available at www.kawneer.com**

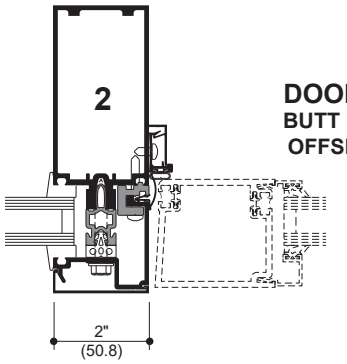



**B/H OR O/P**

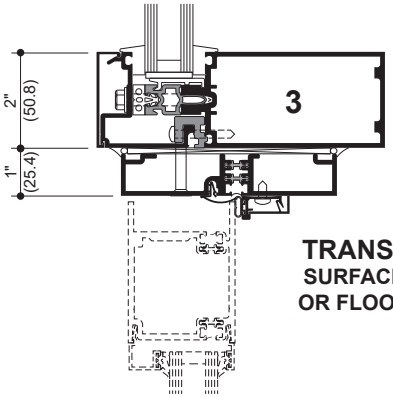
**ELEVATION IS NUMBER KEYED TO DETAILS**



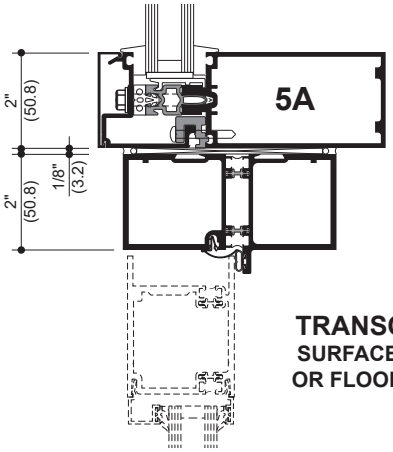

**TRANSOM BAR**
**SURFACE CLOSER**
**OR FLOOR CLOSER**



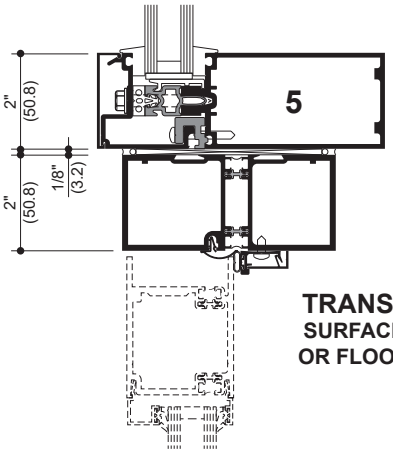

**DOOR JAMB**
**BUTT HUNG OR**
**OFFSET PIVOT**



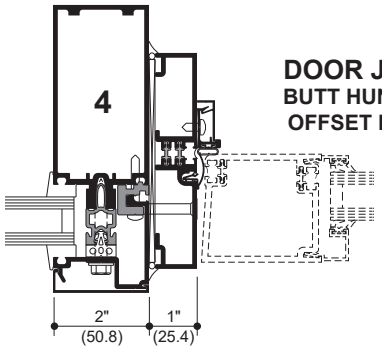

**TRANSOM BAR**
**SURFACE CLOSER**
**OR FLOOR CLOSER**



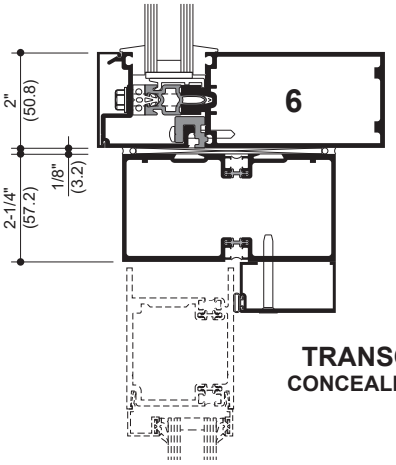

**TRANSOM BAR**
**SURFACE CLOSER**
**OR FLOOR CLOSER**




**TRANSOM BAR**
**SURFACE CLOSER**
**OR FLOOR CLOSER**




**DOOR JAMB**
**BUTT HUNG OR**
**OFFSET PIVOT**



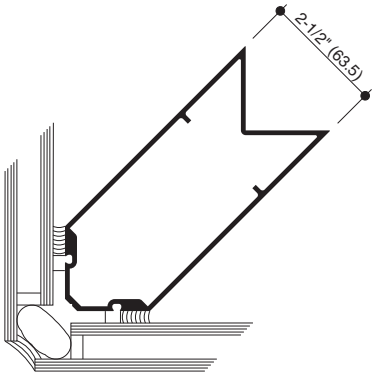

**TRANSOM BAR**
**CONCEALED CLOSER**

# 1620UT SSG Curtain Wall System

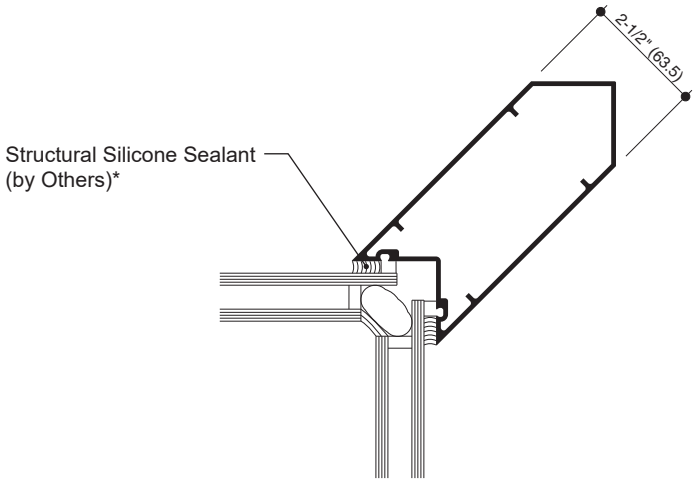


**Additional information and CAD details are available at www.kawneer.com**

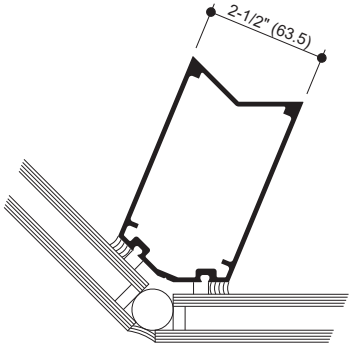
**NOTE: 6" SYSTEM SHOWN, 7-1/2" SYSTEM SIMILAR.**



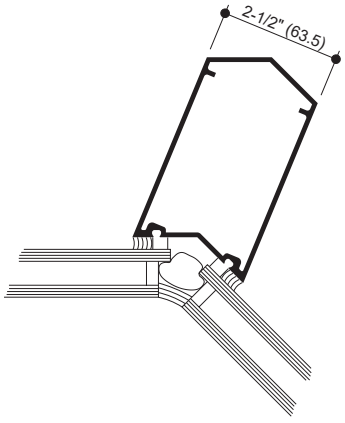

**90° OUTSIDE CORNER**




**90° INSIDE CORNER**




**135° OUTSIDE CORNER**




**135° INSIDE CORNER**

*** INSTALLER NOTE:** Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

# 1620UT SSG Curtain Wall System

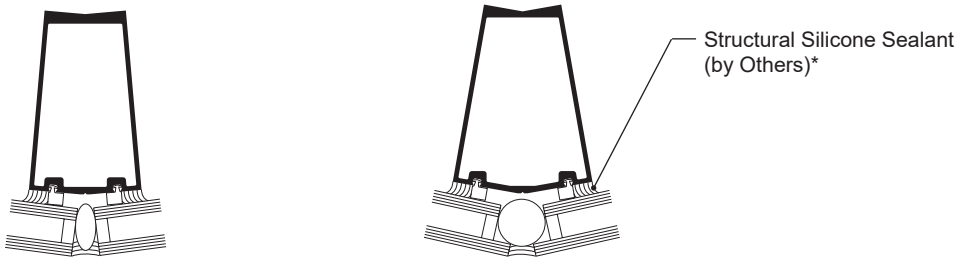


SPLAYED MULLION OPTIONS (1" INFILL)



**Additional information and CAD details are available at www.kawneer.com**

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




**10°** **20°**

## OUTSIDE SPLAYED MULLIONS

**10°** **20°**

## INSIDE SPLAYED MULLIONS

## OTHER SPLAY OPTIONS AVAILABLE

*** INSTALLER NOTE:** Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

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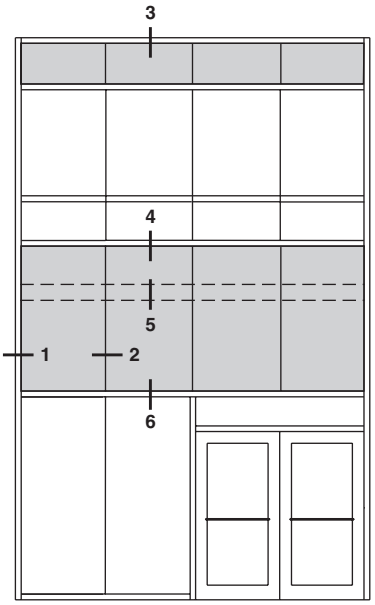
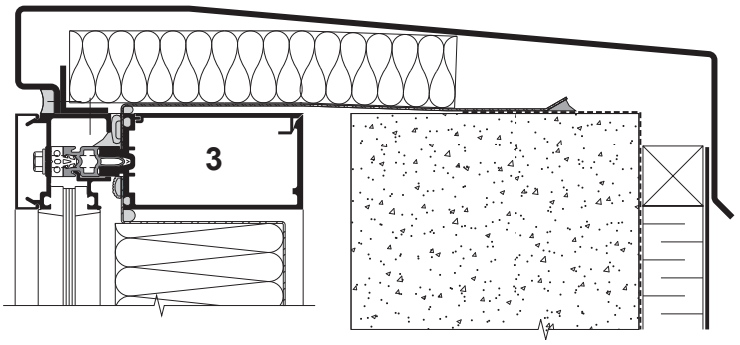
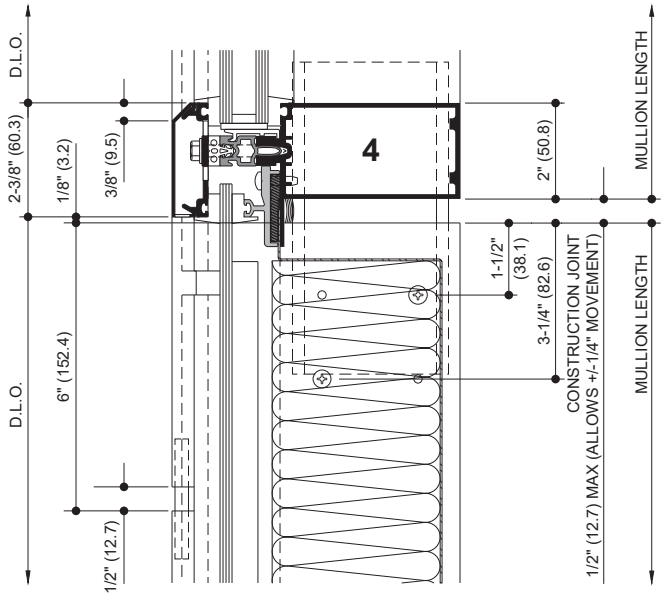



**ELEVATION IS NUMBER KEYED TO DETAILS**

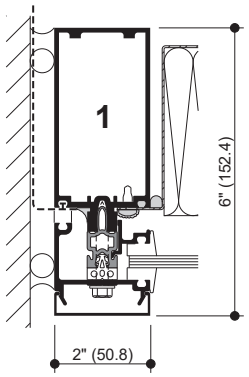
NOTE: 6" SYSTEM SHOWN,
7-1/2" SYSTEM SIMILAR



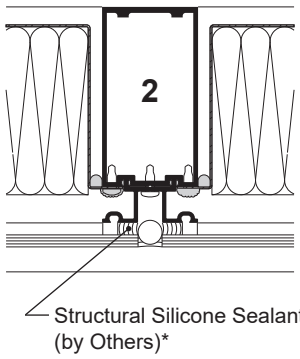

**HEAD TRANSOM AT PARAPET FLASHING**



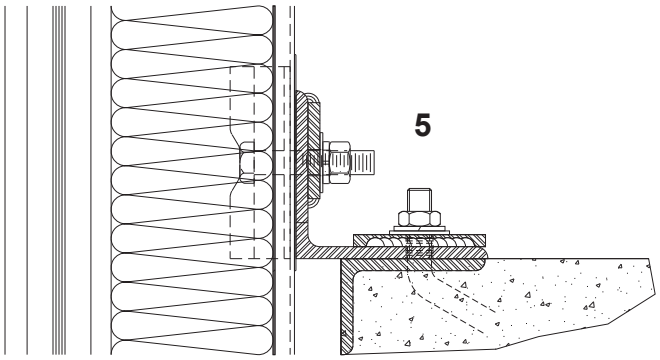

**EXPANSION JOINT**




**JAMB MULLION AT SPANDREL**
(With vapor barrier tie-in)




**MULLION AT SPANDREL**




**TYPICAL DEADLOAD ANCHOR**

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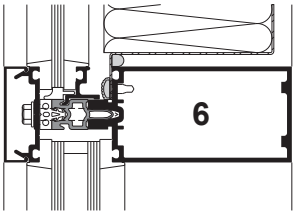


**TRANSOM – SPANDREL OVER VISION**

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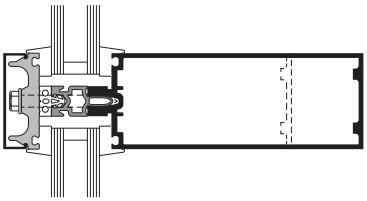
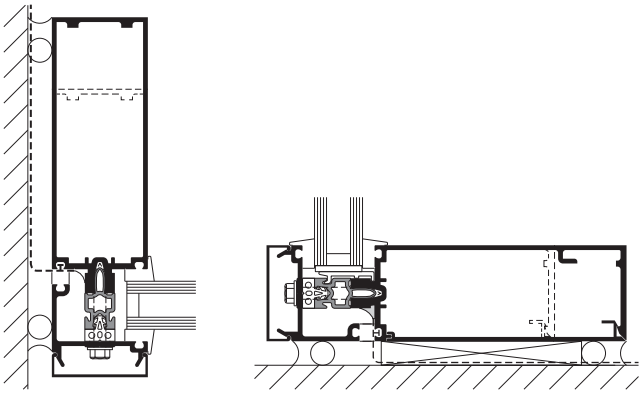
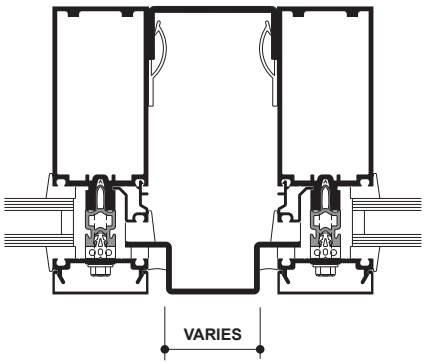


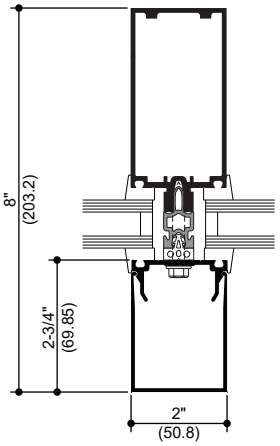
**WITH FIBERGLASS PRESSURE PLATE**



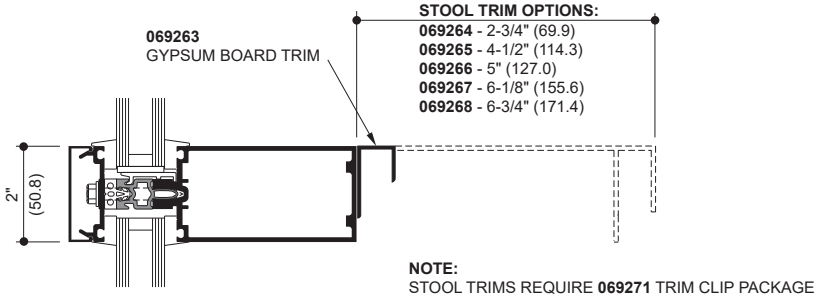
**WITH VAPOR BARRIER TIE-IN**




**DOUBLE MULLION**

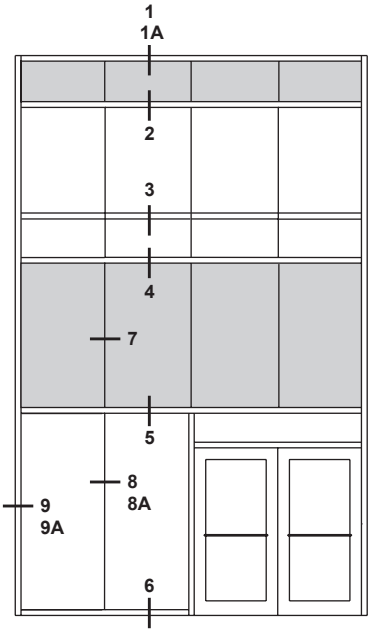



**OPTIONAL MULLION OPTIONAL COVER**

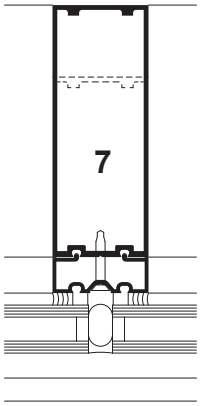


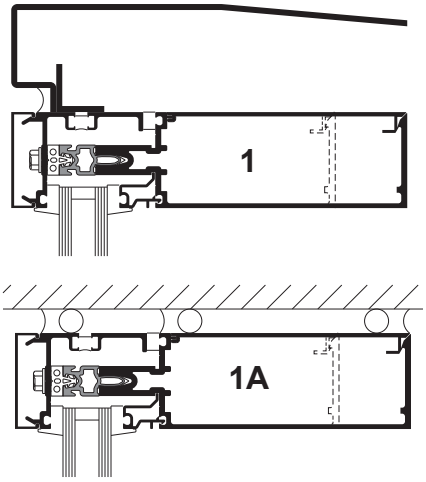

**INTERIOR STOOL TRIM**

**Additional information and CAD details are available at www.kawneer.com**



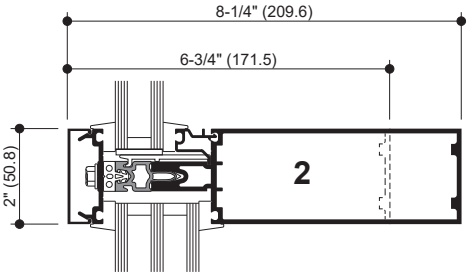

**ELEVATION IS NUMBER KEYED TO DETAILS**

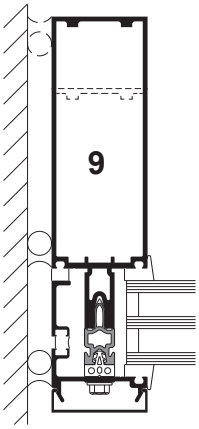


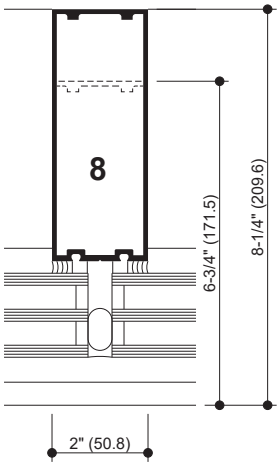



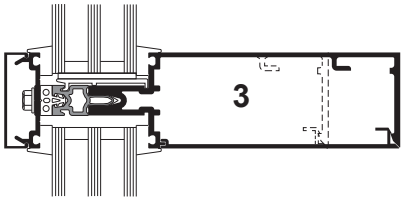


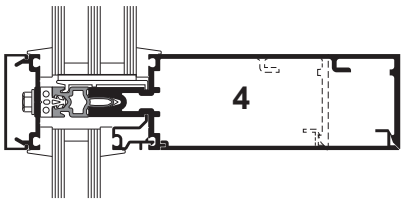


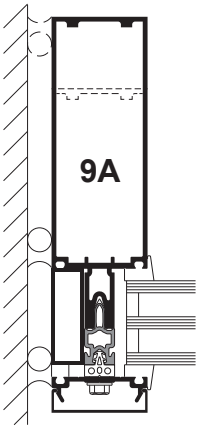


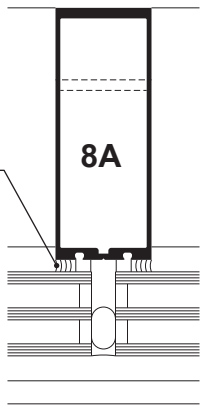



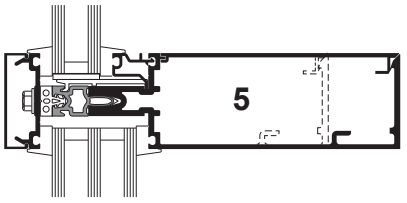



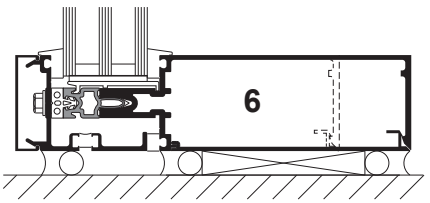




Structural Silicone Sealant
(by Others)*

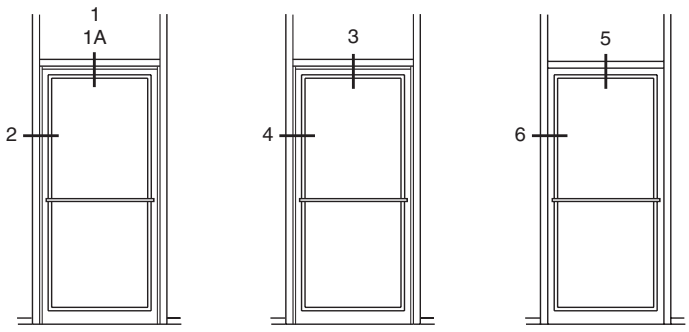



HEAVY VERTICAL
MULLION



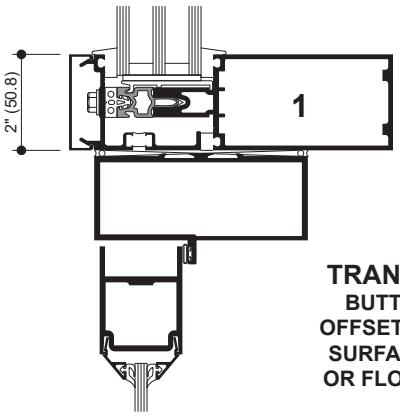



**Additional information and CAD details are available at www.kawneer.com**

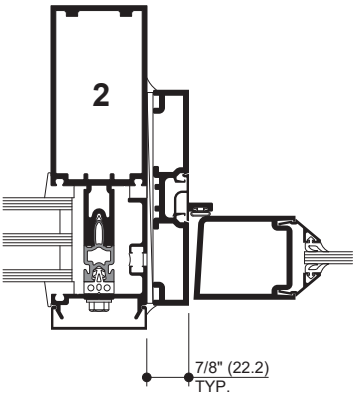



**B/H OR O/P** **C/H** **B/H OR O/P**

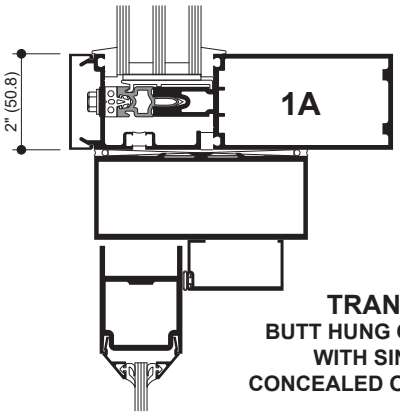
**ELEVATION IS NUMBER KEYED TO DETAILS**



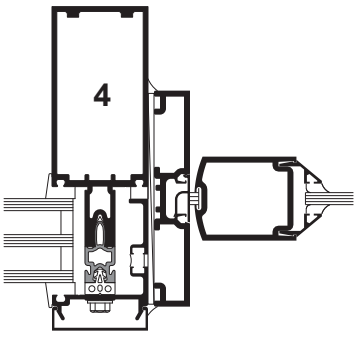

**TRANSOM BAR**
**BUTT HUNG OR OFFSET PIVOT WITH SURFACE CLOSER OR FLOOR CLOSER**



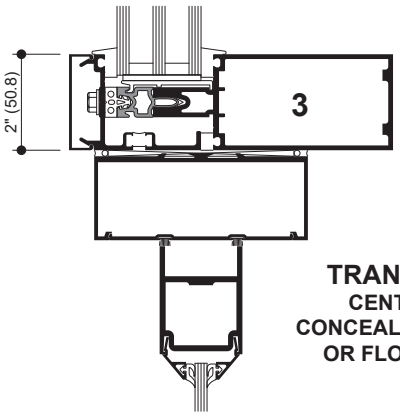

**DOOR JAMB**
**BUTT HUNG OR OFFSET PIVOT**



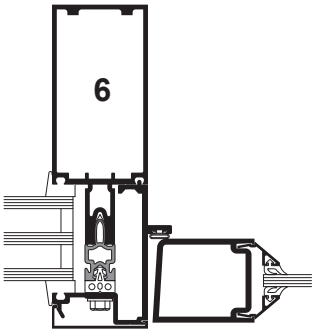

**TRANSOM BAR**
**BUTT HUNG OR OFFSET PIVOT WITH SINGLE ACTING CONCEALED OVERHEAD CLOSER**



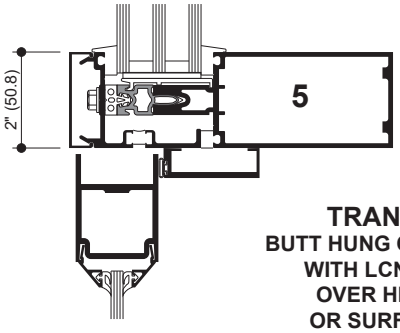

**DOOR JAMB**
**CENTER HUNG**




**TRANSOM BAR**
**CENTER HUNG CONCEALED OVERHEAD OR FLOOR CLOSER**

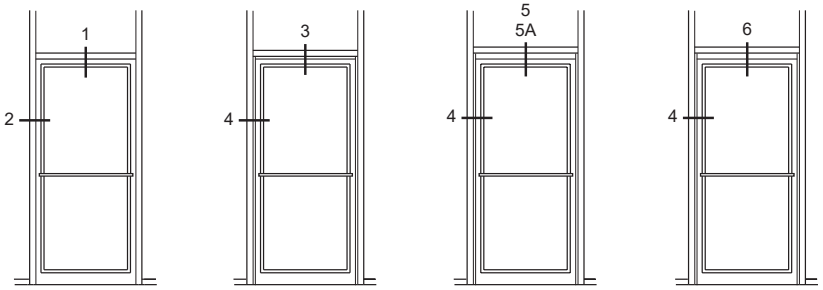



**DOOR JAMB**
**BUTT HUNG OR OFFSET PIVOT**



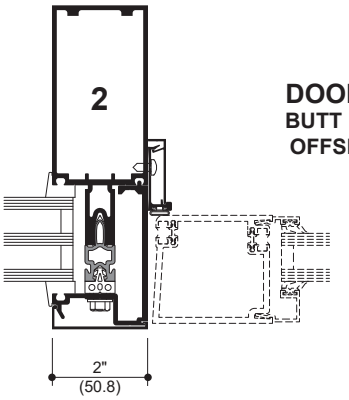

**TRANSOM BAR**
**BUTT HUNG OR OFFSET PIVOT WITH LCN CONCEALED OVER HEAD CLOSER OR SURFACE CLOSER**

**Additional information and CAD details are available at www.kawneer.com**

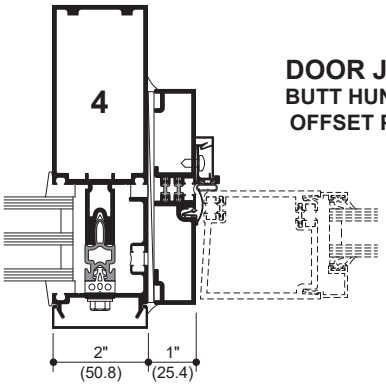



**B/H OR O/P**

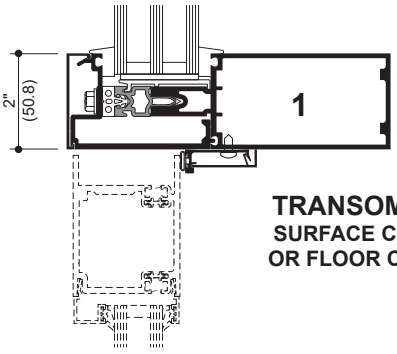
**ELEVATION IS NUMBER KEYED TO DETAILS**



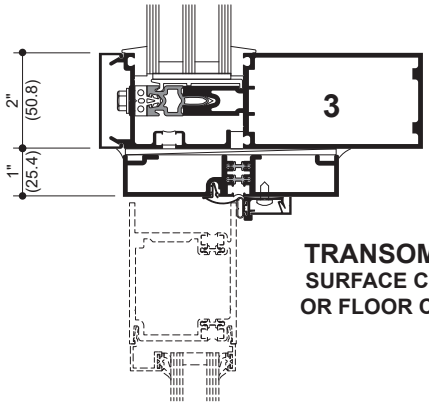

**DOOR JAMB**
**BUTT HUNG OR**
**OFFSET PIVOT**



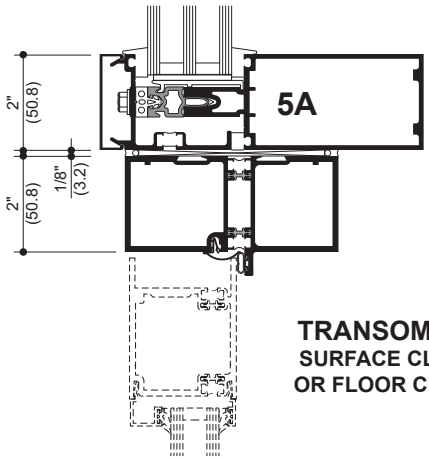

**DOOR JAMB**
**BUTT HUNG OR**
**OFFSET PIVOT**



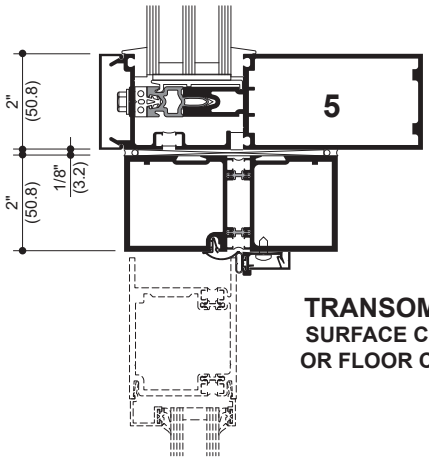

**TRANSOM BAR**
**SURFACE CLOSER**
**OR FLOOR CLOSER**



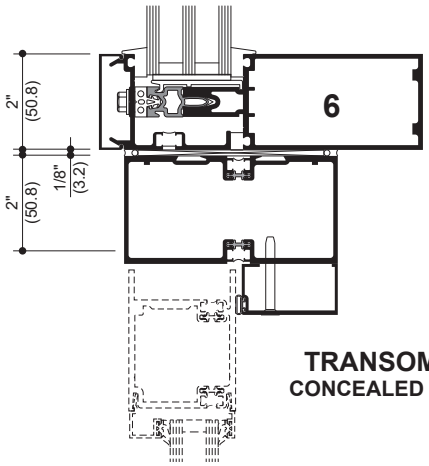

**TRANSOM BAR**
**SURFACE CLOSER**
**OR FLOOR CLOSER**




**TRANSOM BAR**
**SURFACE CLOSER**
**OR FLOOR CLOSER**



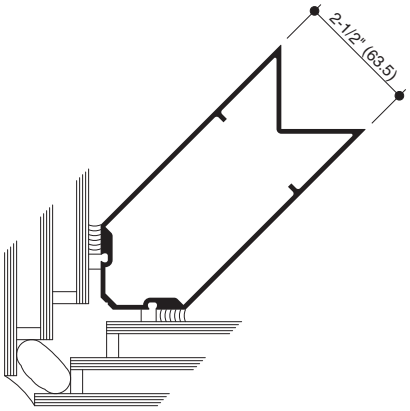

**TRANSOM BAR**
**SURFACE CLOSER**
**OR FLOOR CLOSER**



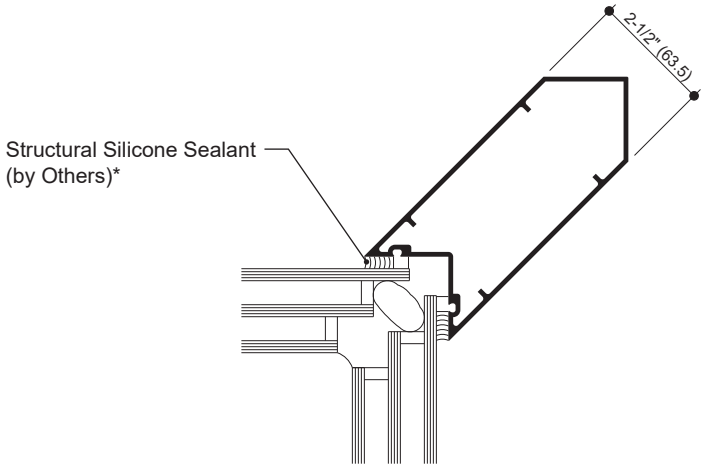

**TRANSOM BAR**
**CONCEALED CLOSER**

**Additional information and CAD details are available at www.kawneer.com**

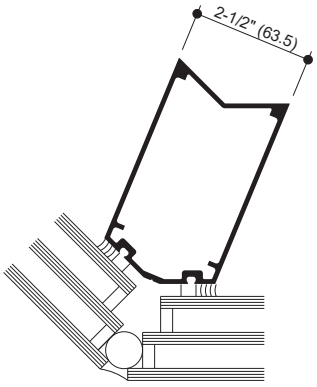
**NOTE: 6-3/4" SYSTEM SHOWN, 8-1/4" SYSTEM SIMILAR.**



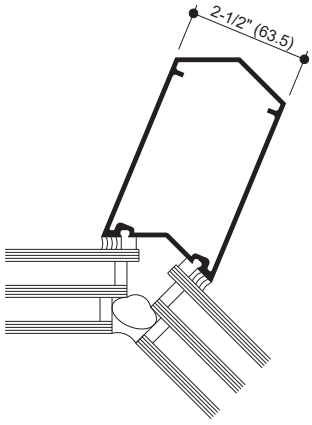

**90° OUTSIDE CORNER**




**90° INSIDE CORNER**



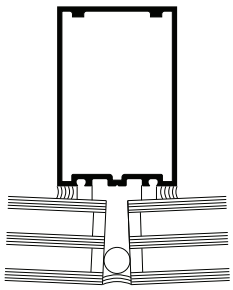

**135° OUTSIDE CORNER**




**135° INSIDE CORNER**

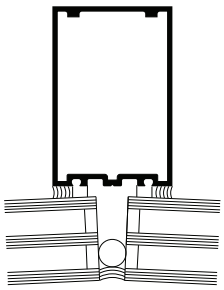
*** INSTALLER NOTE:** Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

**Additional information and CAD details are available at www.kawneer.com**



**0° TO 5°**

**OUTSIDE SPLAYED MULLIONS**

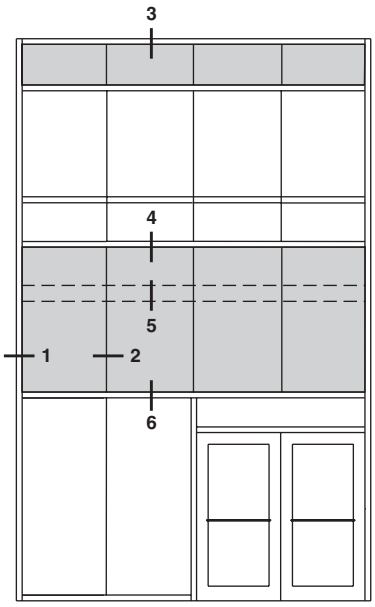


**0° TO 5°**

**INSIDE SPLAYED MULLIONS**

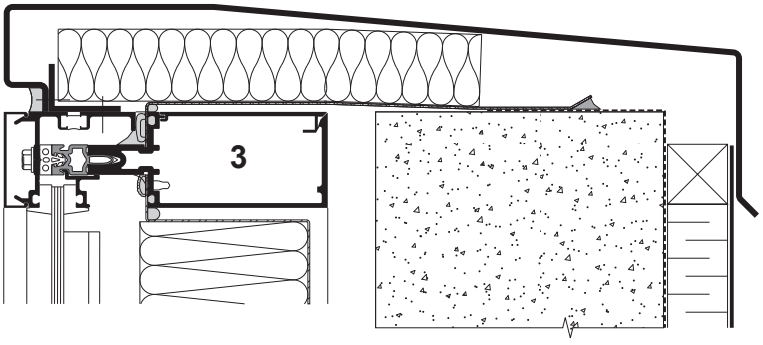
**OTHER SPLAY OPTIONS AVAILABLE**

**Additional information and CAD details are available at www.kawneer.com**

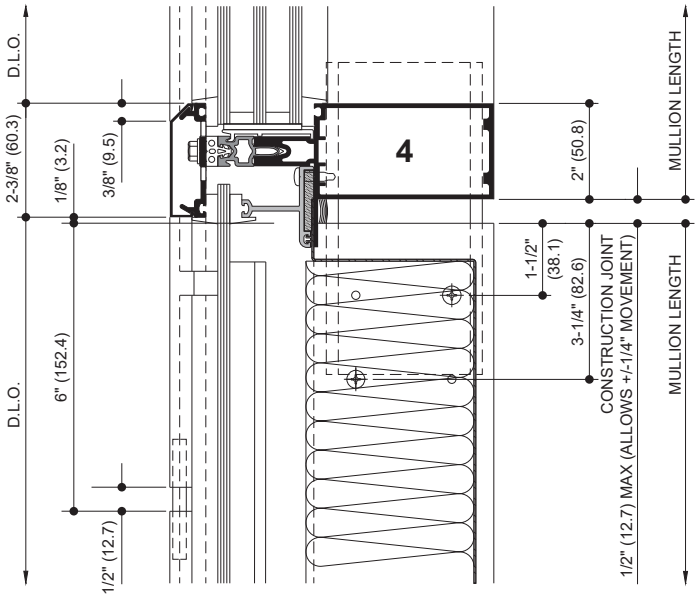



**ELEVATION IS NUMBER KEYED TO DETAILS**

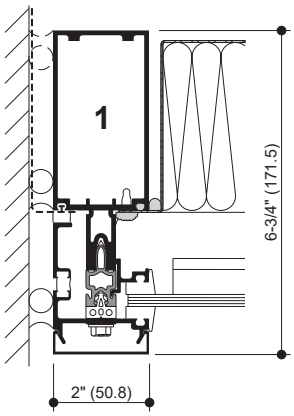
NOTE: 6-3/4" SYSTEM SHOWN,
8-1/4" SYSTEM SIMILAR



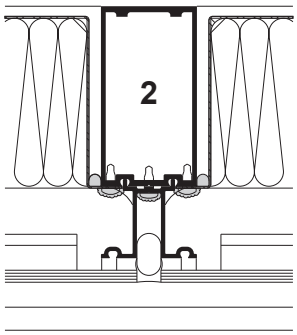

**HEAD TRANSOM AT PARAPET FLASHING**



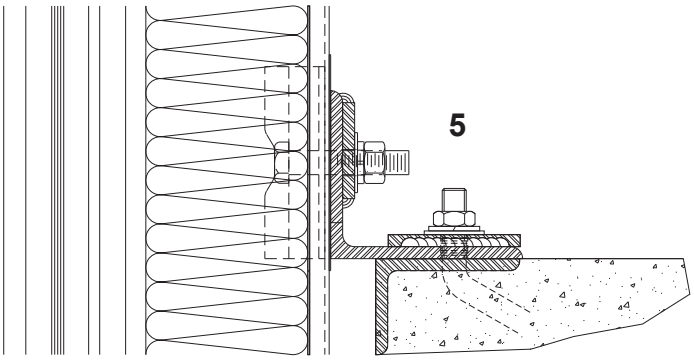

**EXPANSION JOINT**



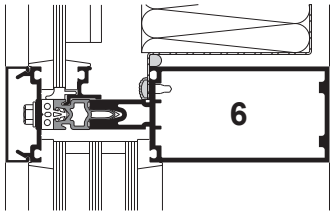

**JAMB MULLION AT SPANDREL**
(With vapor barrier tie-in)




**MULLION AT SPANDREL**



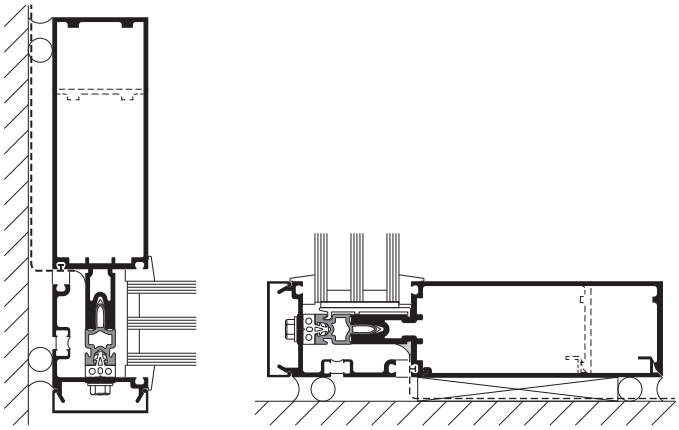

**TYPICAL DEADLOAD ANCHOR**



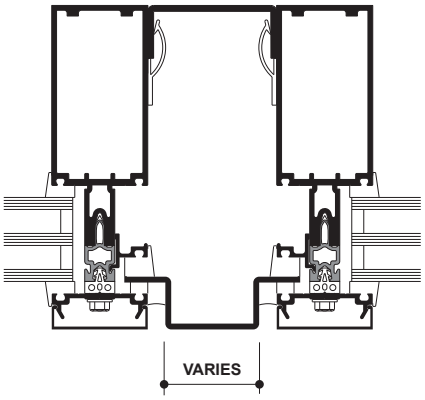

**TRANSOM –
SPANDREL OVER VISION**

**Additional information and CAD details are available at www.kawneer.com**

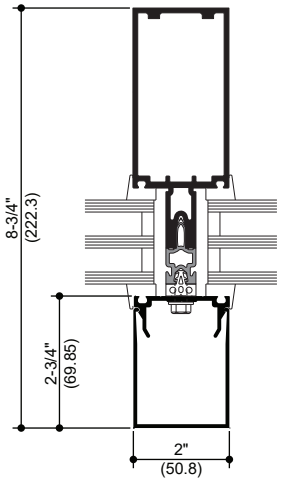
Architects – Most extrusion and window types illustrated in this catalog are standard products for Kawneer. These concepts have been expanded and modified to afford you design freedom. Some miscellaneous details are non-standard and are intended to demonstrate how the system can be modified to expand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



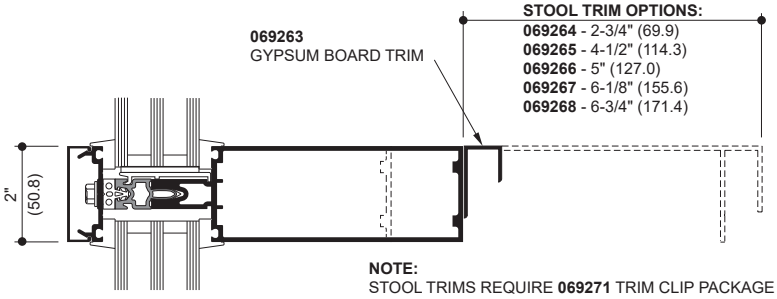
**WITH VAPOR BARRIER TIE-IN**




**DOUBLE MULLION**

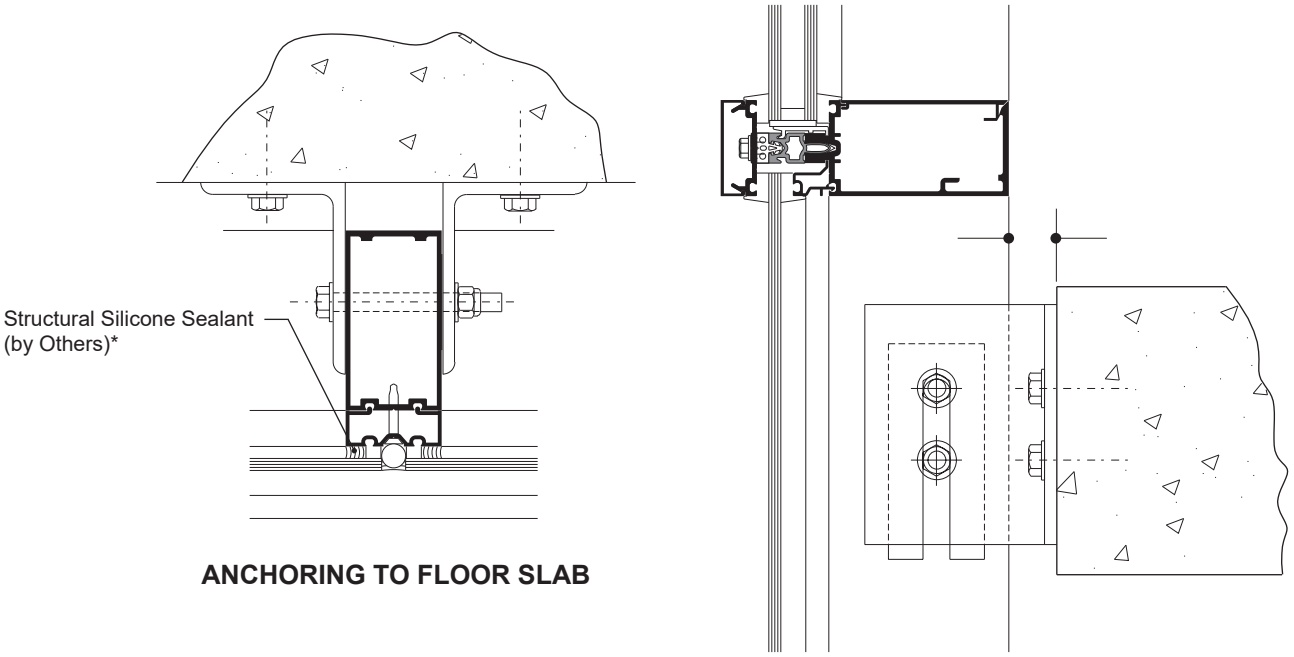



**OPTIONAL MULLION**
**OPTIONAL COVER**

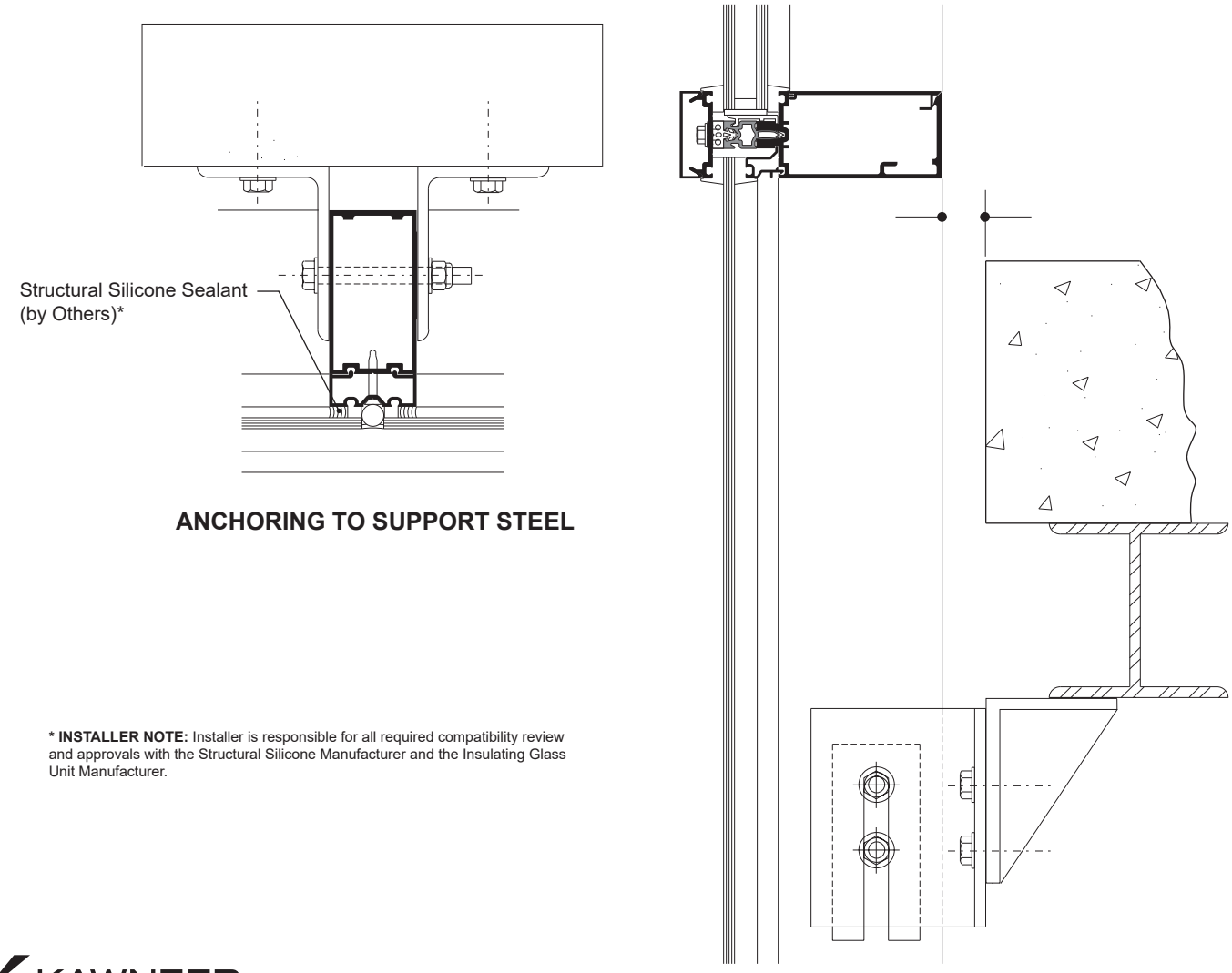



**INTERIOR STOOL TRIM**

Actual project conditions will determine specific anchor design. Details on this page are for reference only.
**Note:** 6" system shown, 7-1/2", 6-3/4" and 8-1/4" systems similar. Covers all glazing infills.



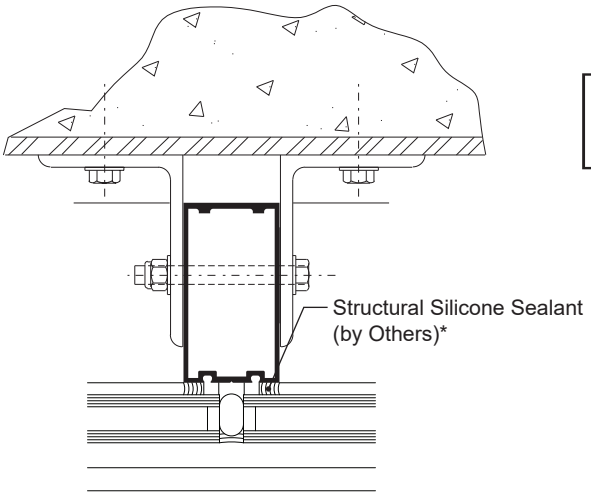

**ANCHORING TO FLOOR SLAB**

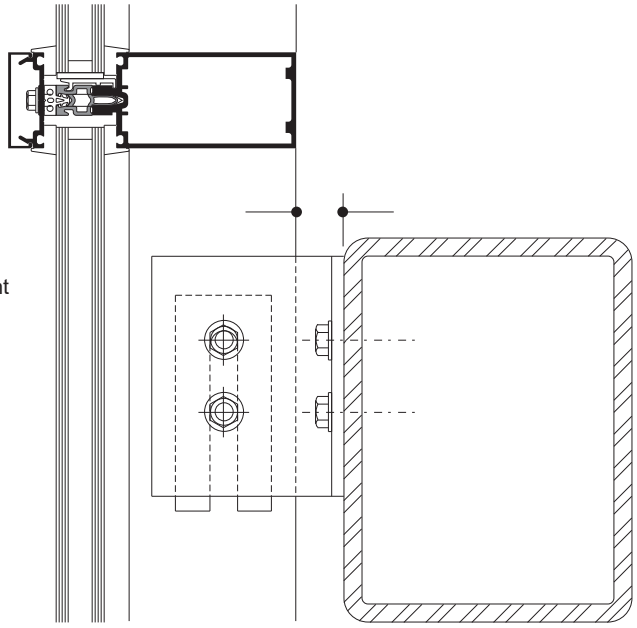



**ANCHORING TO SUPPORT STEEL**

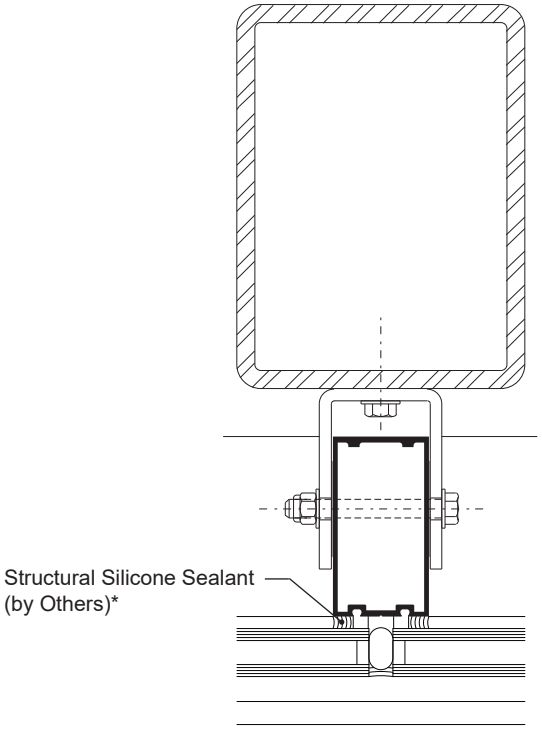
*** INSTALLER NOTE:** Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

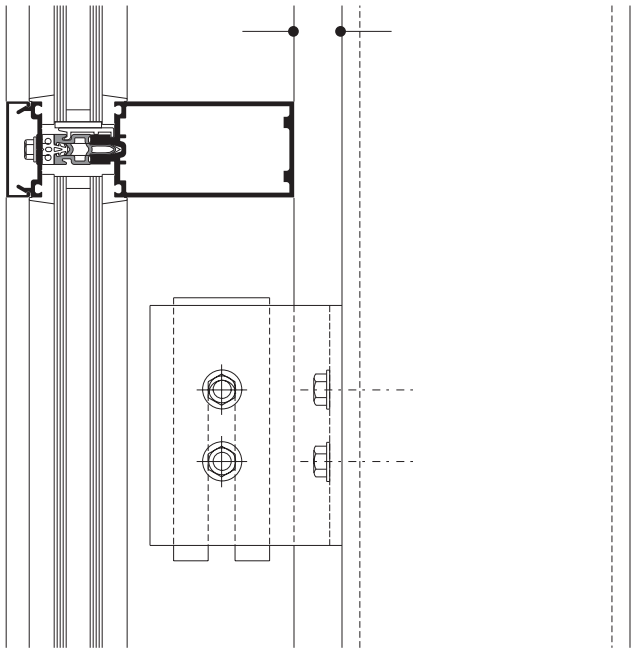
Actual project conditions will determine specific anchor design. Details on this page are for reference only.
**Note:** 6" system shown, 7-1/2", 6-3/4" and 8-1/4" systems similar. Covers all glazing infills.



**ANCHORING TO HORIZONTAL STRUCTURAL STEEL**



**ANCHORING TO VERTICAL STRUCTURAL STEEL**

*** INSTALLER NOTE:** Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

## 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 psi (104 MPa), STEEL 30,000 psi (207 MPa). Charted curves, in all cases are for the limiting value. Wind load charts contained herein are based upon nominal wind load utilized in allowable stress design. A conversion from Load Resistance Factor Design (LRFD) is provided. To convert ultimate wind loads to nominal loads, multiply ultimate wind loads by a factor of 0.6 per ASCE/SEI 7. 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

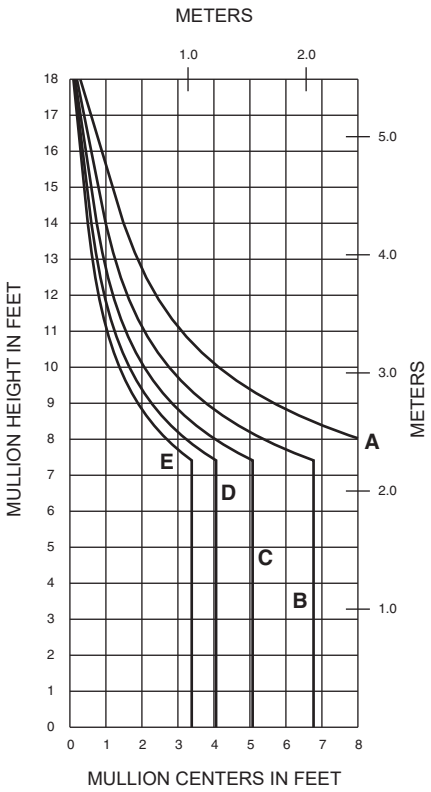
Horizontal or deadload limitations are based upon 1/8" (3.2), maximum allowable deflection at the center of an intermediate horizontal member. The accompanying charts are calculated for 1" (25.4) thick insulating glass or 1/4" (6.4) thick glass supported on two setting blocks placed at the loading points shown.

# 1620UT SSG Curtain Wall System

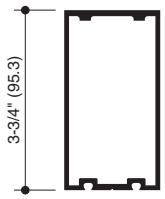


| | Allowable Stress Design Load | LRFD Ultimate Design Load |
|---|---|---|
| A = | 20 PSF (960) | 33 PSF (1580) |
| B = | 30 PSF (1440) | 50 PSF (2400) |
| C = | 40 PSF (1920) | 67 PSF (3200) |
| D = | 50 PSF (2400) | 83 PSF (4000) |
| E = | 60 PSF (2880) | 100 PSF (4790) |

## SINGLE SPAN



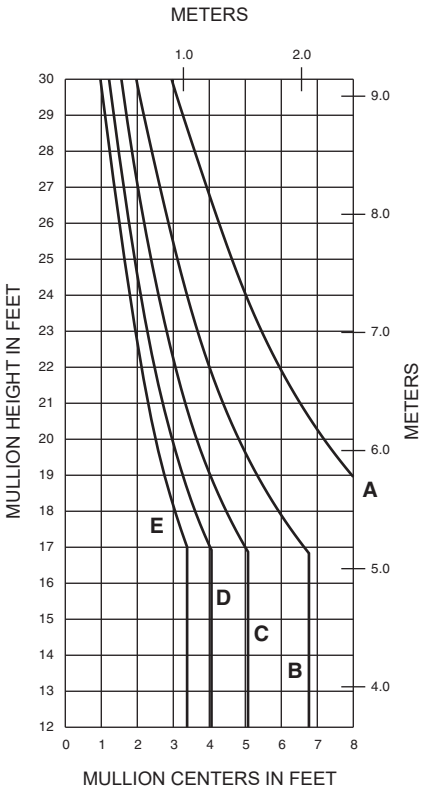




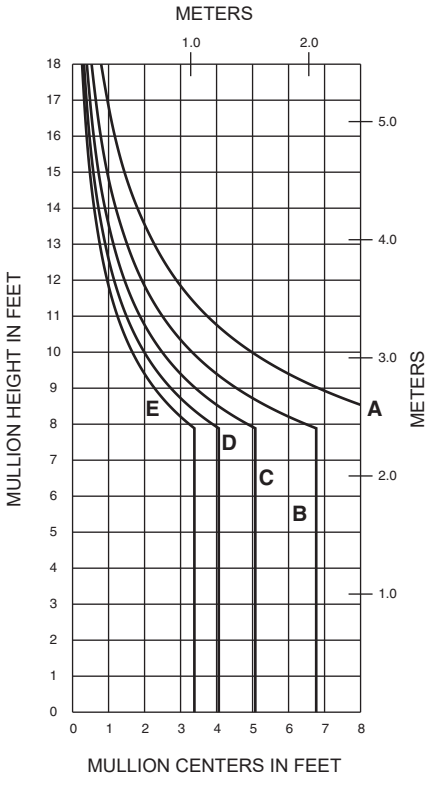

178023

I = 2.712(112.88 x $10^4$)
S = 1.416(23.2 x $10^3$)

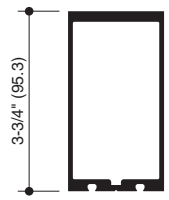

## TWIN SPAN




## SINGLE SPAN



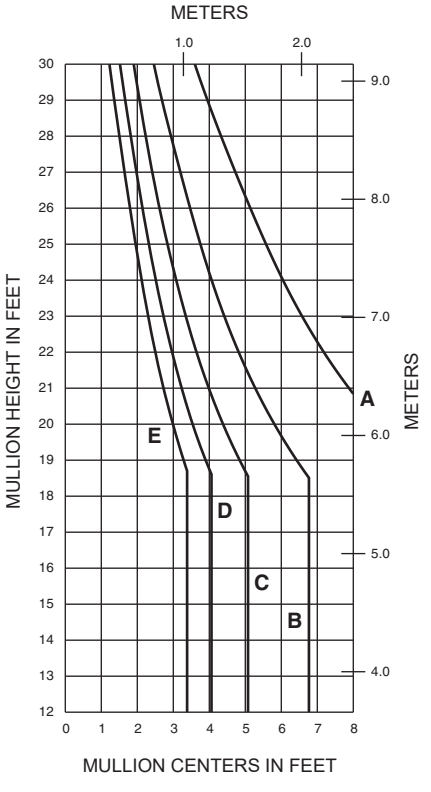





178024

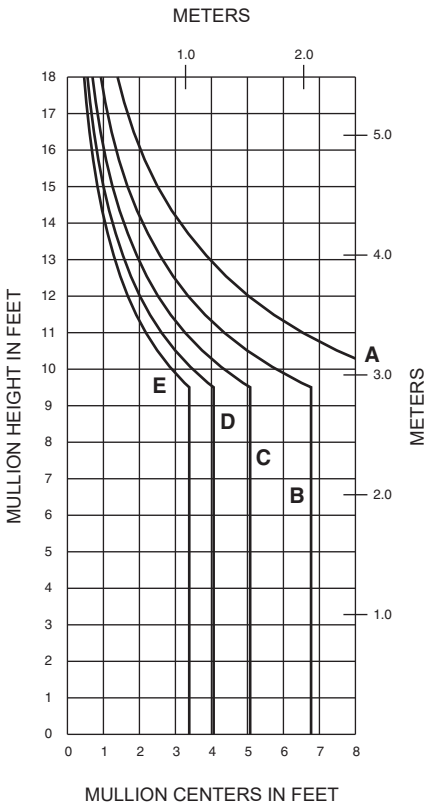
I = 3.260(135.69 x $10^4$)
S = 1.712(28.05 x $10^3$)

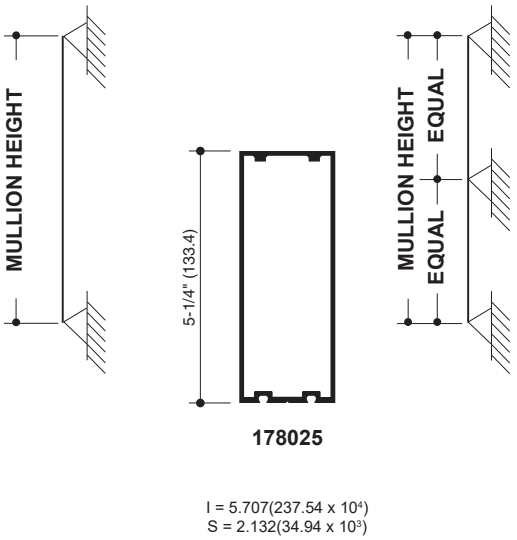

## TWIN SPAN



| | Allowable Stress Design Load | LRFD Ultimate Design Load |
|---|---|---|
| A = | 20 PSF (960) | 33 PSF (1580) |
| B = | 30 PSF (1440) | 50 PSF (2400) |
| C = | 40 PSF (1920) | 67 PSF (3200) |
| D = | 50 PSF (2400) | 83 PSF (4000) |
| E = | 60 PSF (2880) | 100 PSF (4790) |

## SINGLE SPAN

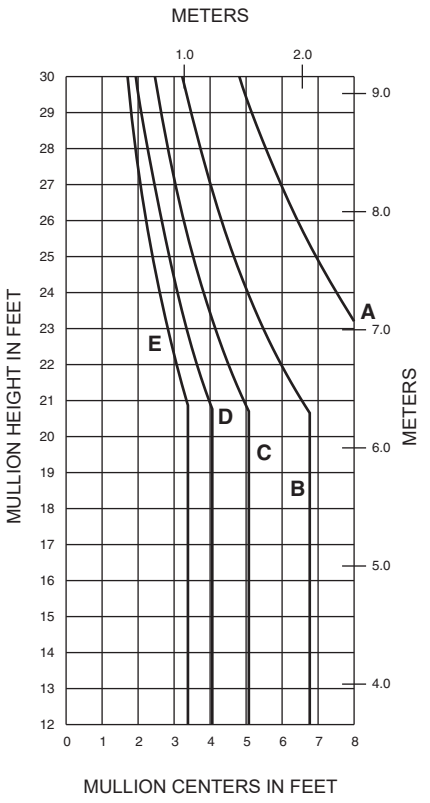


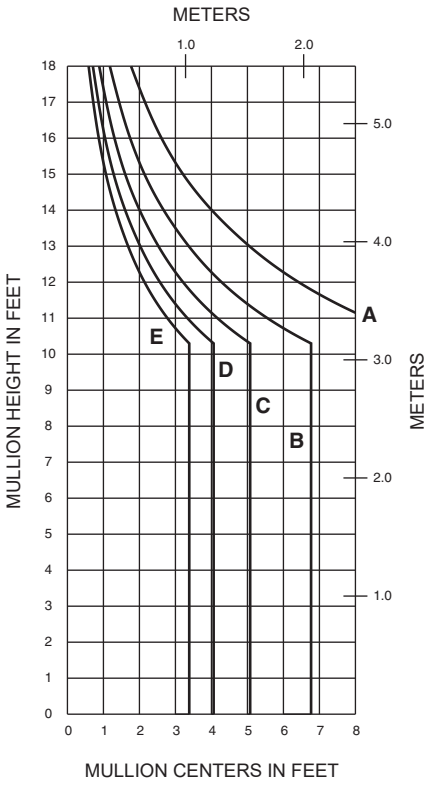

178025

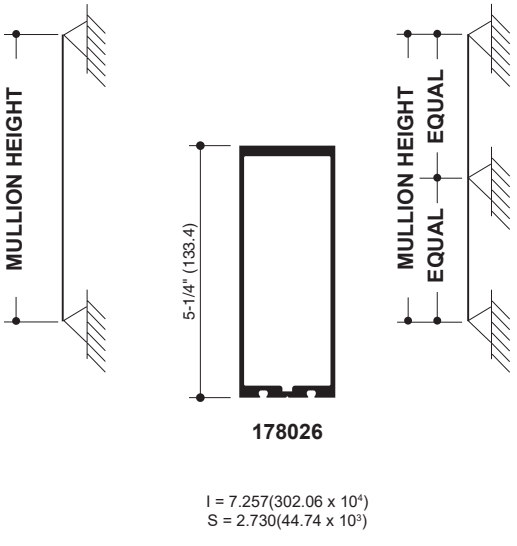
I = 5.707(237.54 x $10^4$)
S = 2.132(34.94 x $10^3$)

## TWIN SPAN




## SINGLE SPAN

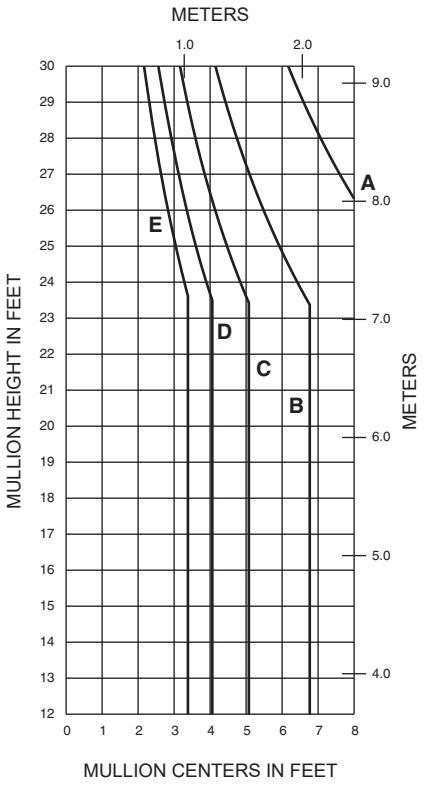



178026

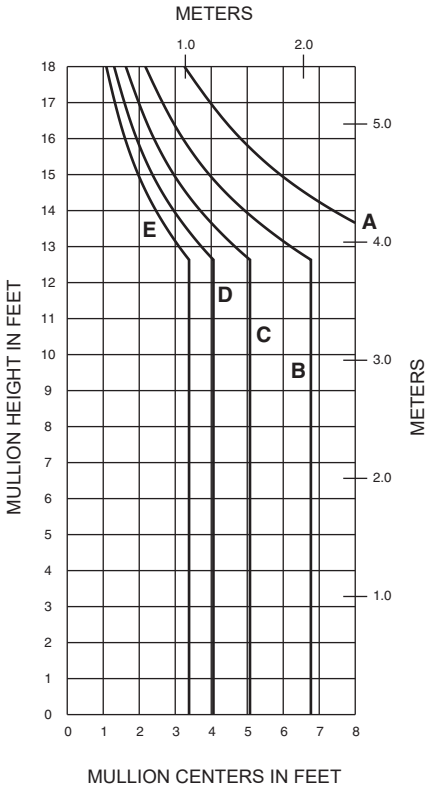
I = 7.257(302.06 x $10^4$)
S = 2.730(44.74 x $10^3$)

## TWIN SPAN

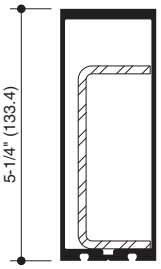


| | Allowable Stress Design Load | LRFD Ultimate Design Load |
|---|---|---|
| A = | 20 PSF (960) | 33 PSF (1580) |
| B = | 30 PSF (1440) | 50 PSF (2400) |
| C = | 40 PSF (1920) | 67 PSF (3200) |
| D = | 50 PSF (2400) | 83 PSF (4000) |
| E = | 60 PSF (2880) | 100 PSF (4790) |

## SINGLE SPAN



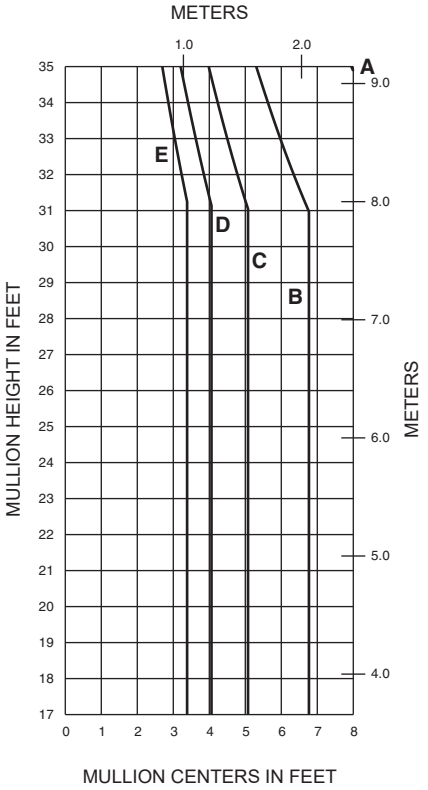




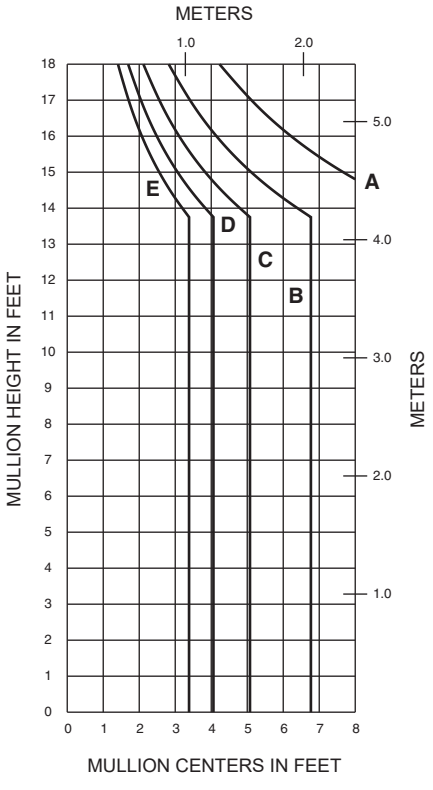

**178026**
**W/162302**

Ia = 7.257(302.06 x $10^4$)
Sa = 2.730(44.74 x $10^3$)
Is = 2.111(87.87 x $10^4$)
Ss = 1.108(18.16 x $10^3$)

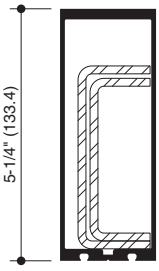

## TWIN SPAN




## SINGLE SPAN



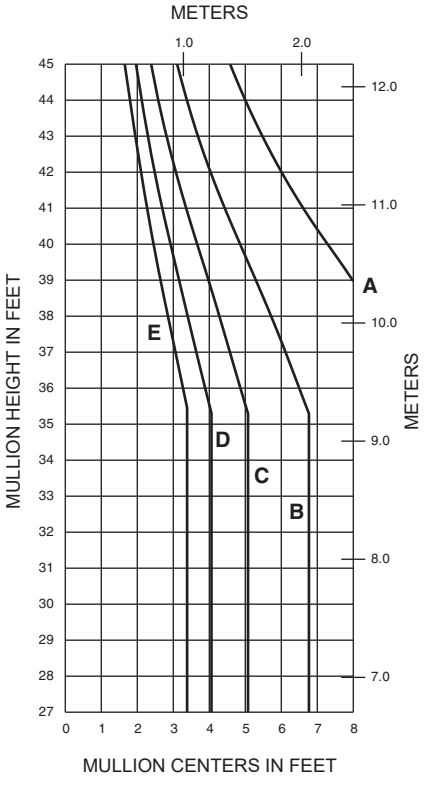





**178026**
**W/162302/303**

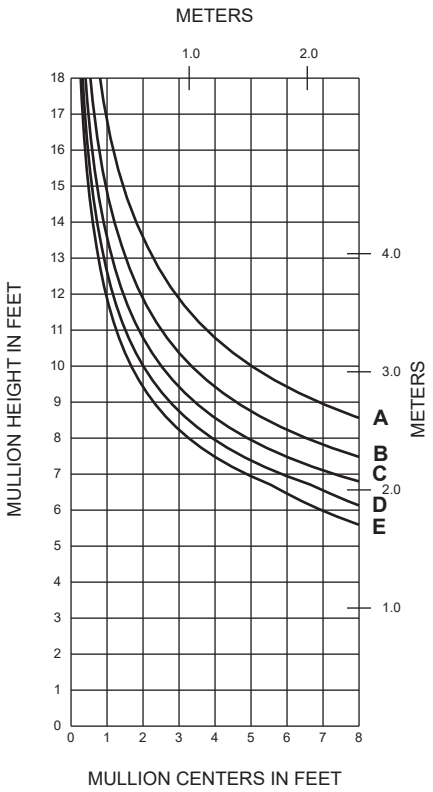
Ia = 7.257(302.06 x $10^4$)
Sa = 2.730(44.74 x $10^3$)
Is = 3.489(145.22 x $10^4$)
Ss = 1.831(30.00 x $10^3$)

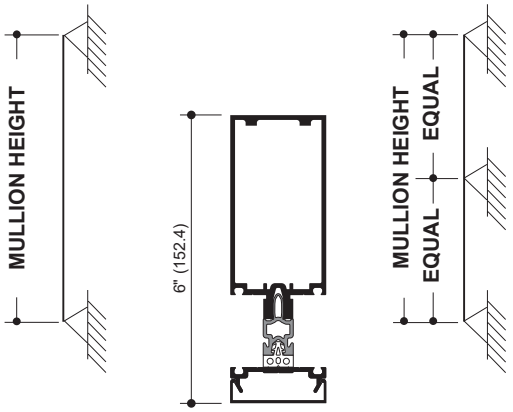

## TWIN SPAN



| | Allowable Stress Design Load | LRFD Ultimate Design Load |
|---|---|---|
| A = | 20 PSF (960) | 33 PSF (1580) |
| B = | 30 PSF (1440) | 50 PSF (2400) |
| C = | 40 PSF (1920) | 67 PSF (3200) |
| D = | 50 PSF (2400) | 83 PSF (4000) |
| E = | 60 PSF (2880) | 100 PSF (4790) |

## SINGLE SPAN

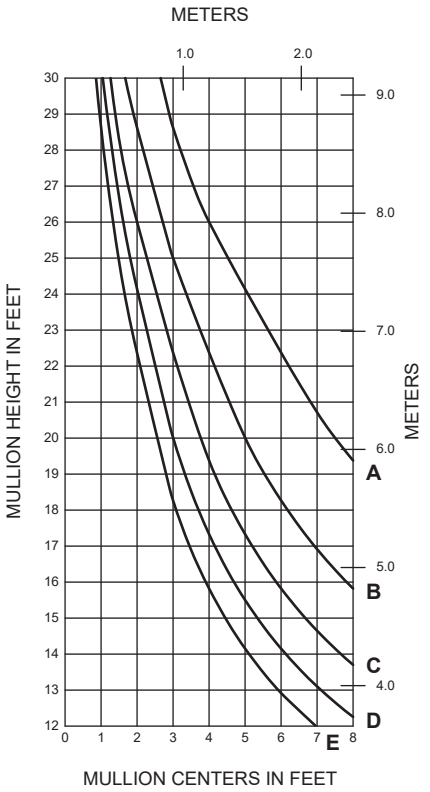


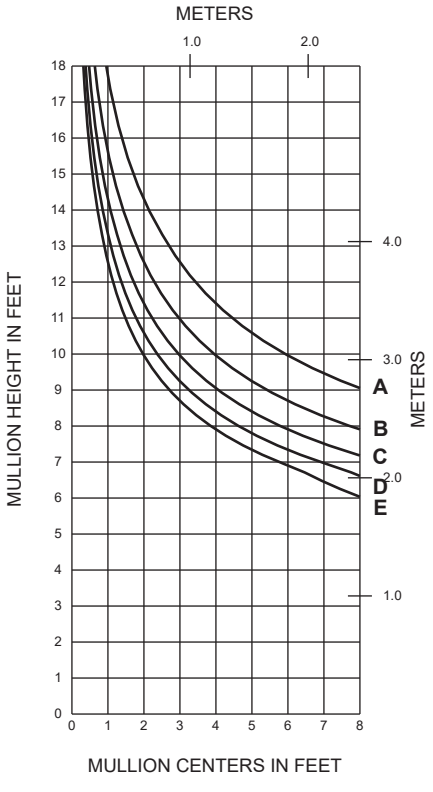

179270

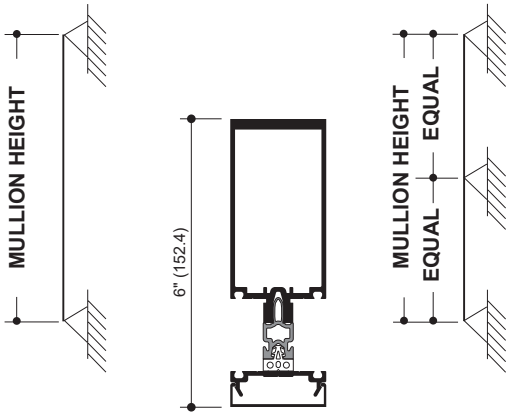
I = 3.293 (137.06 x $10^4$)
S = 1.487 (24.37 x $10^3$)

## TWIN SPAN




## SINGLE SPAN

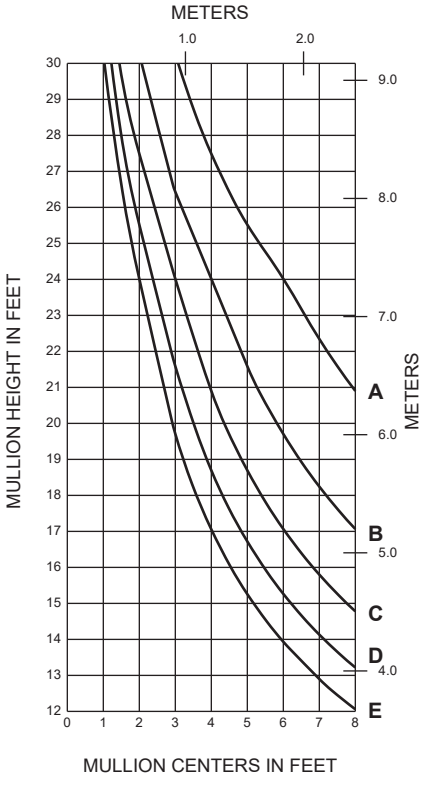



179271

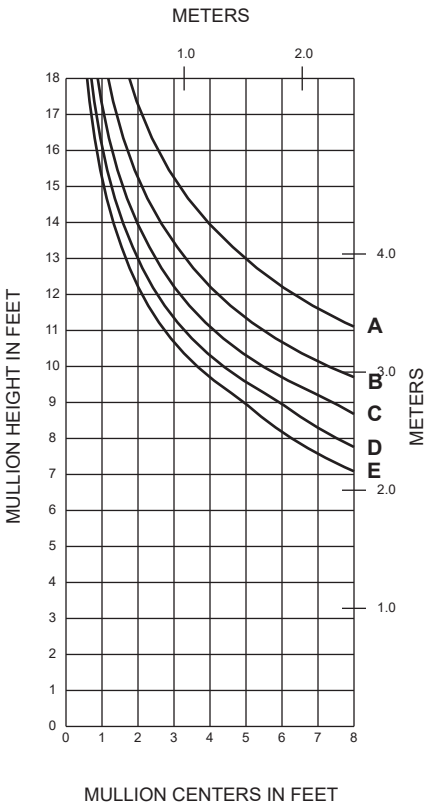
I = 3.890 (161.91 x $10^4$)
S = 1.730 (28.35 x $10^3$)

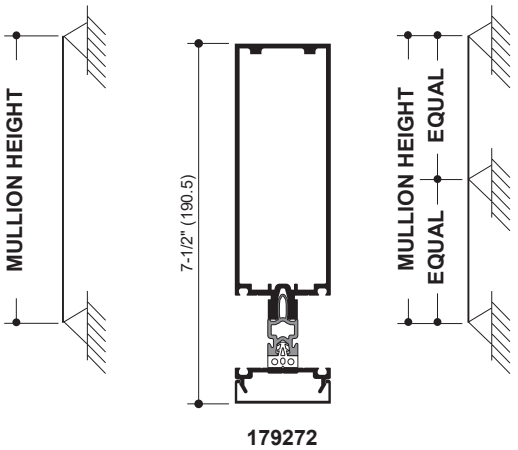
## TWIN SPAN



| | Allowable Stress Design Load | LRFD Ultimate Design Load |
|---|---|---|
| A = | 20 PSF (960) | 33 PSF (1580) |
| B = | 30 PSF (1440) | 50 PSF (2400) |
| C = | 40 PSF (1920) | 67 PSF (3200) |
| D = | 50 PSF (2400) | 83 PSF (4000) |
| E = | 60 PSF (2880) | 100 PSF (4790) |

## SINGLE SPAN

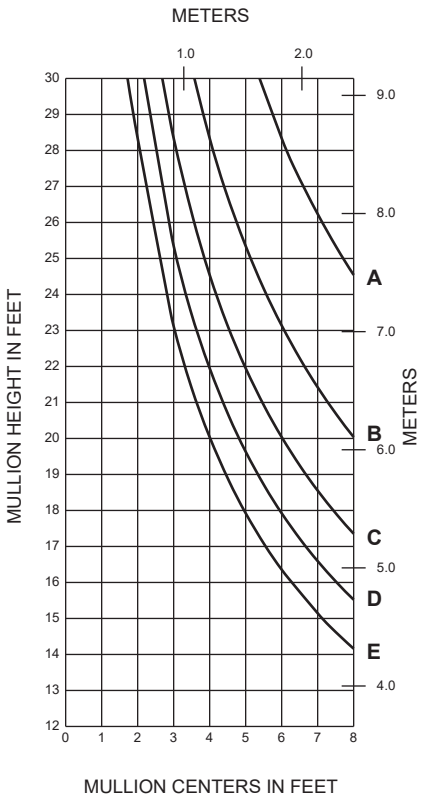


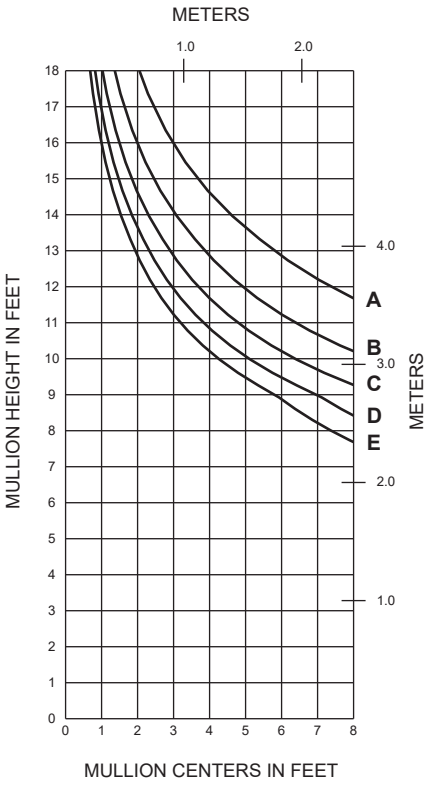

179272

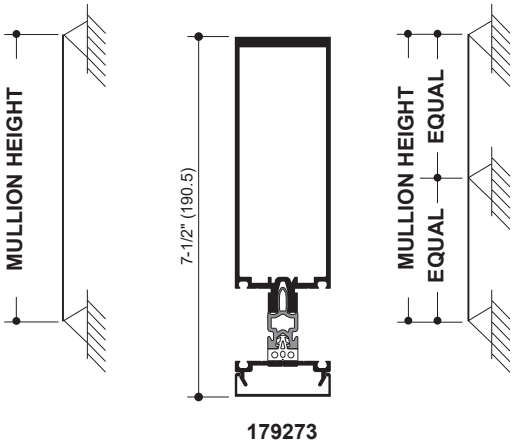
I = 7.181 (298.89 x $10^4$)
S = 2.385 (39.08 x $10^3$)

## TWIN SPAN




## SINGLE SPAN

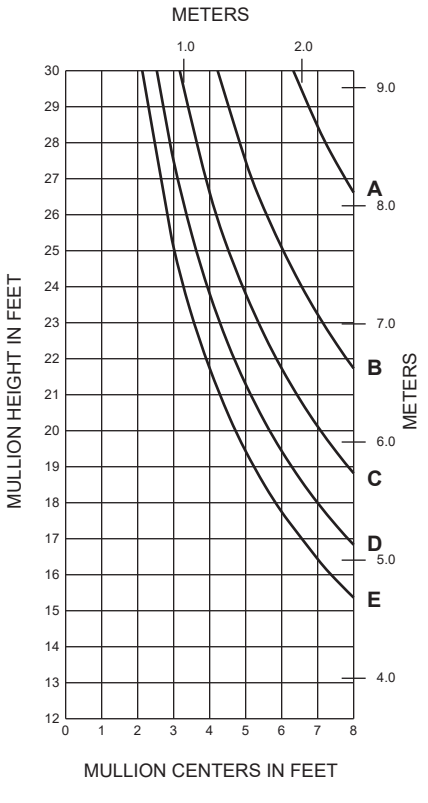



179273

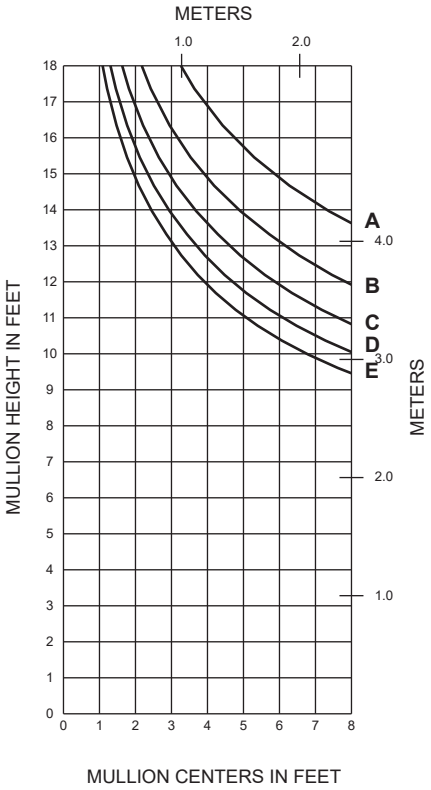
I = 8.364 (348.13 x $10^4$)
S = 2.805 (45.97 x $10^3$)

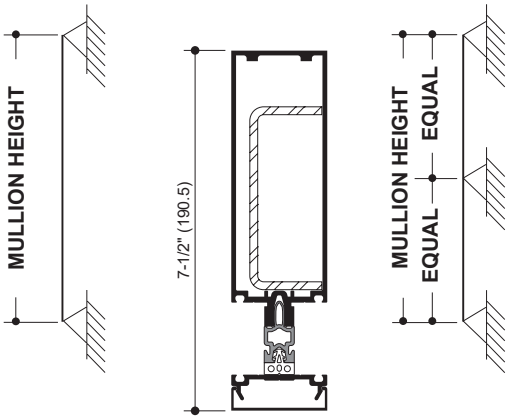
## TWIN SPAN



| | Allowable Stress Design Load | LRFD Ultimate Design Load |
|---|---|---|
| A = | 20 PSF (960) | 33 PSF (1580) |
| B = | 30 PSF (1440) | 50 PSF (2400) |
| C = | 40 PSF (1920) | 67 PSF (3200) |
| D = | 50 PSF (2400) | 83 PSF (4000) |
| E = | 60 PSF (2880) | 100 PSF (4790) |

## SINGLE SPAN

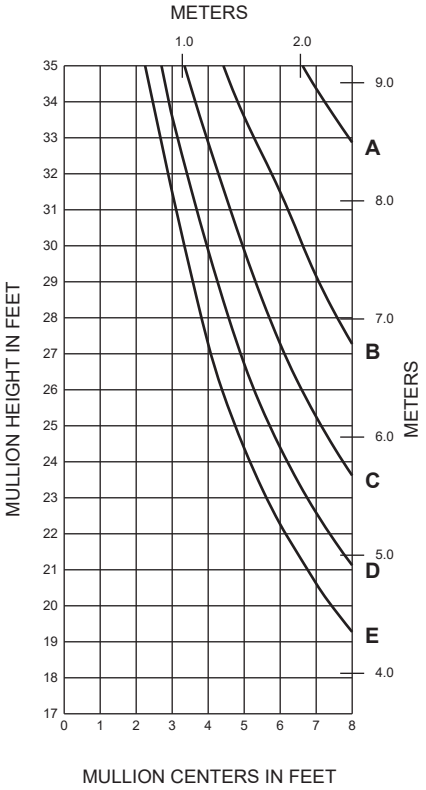


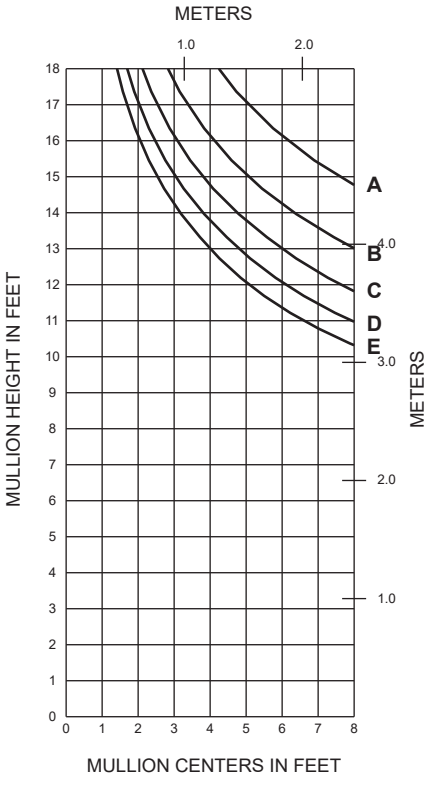

**179272**
**W/162302**

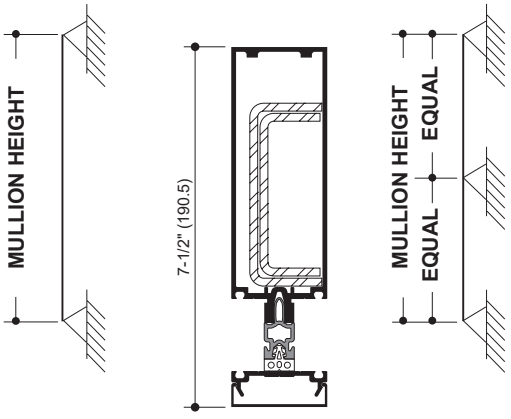
Ia = 7.181 (298.89 x $10^4$)
Sa = 2.385 (39.08 x $10^3$)
Is = 2.111 (87.87 x $10^4$)
Ss = 1.108 (18.16 x $10^3$)

## TWIN SPAN




## SINGLE SPAN

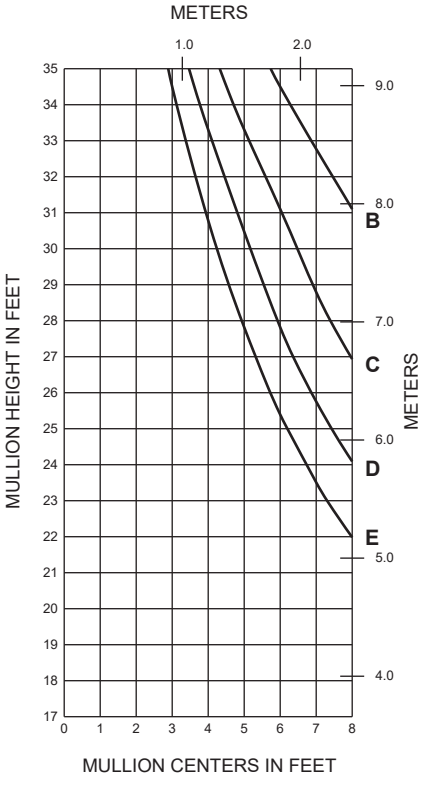



**179272**
**W/162302/303**

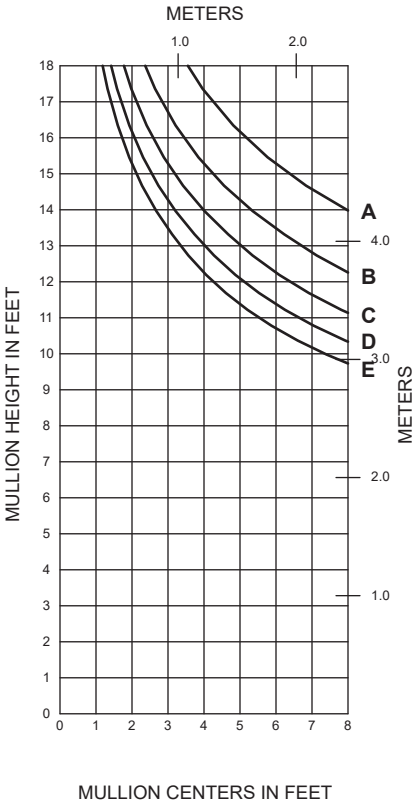
Ia = 7.181 (298.89 x $10^4$)
Sa = 2.385 (39.08 x $10^3$)
Is = 3.489 (145.22 x $10^4$)
Ss = 1.831 (30.00 x $10^3$)

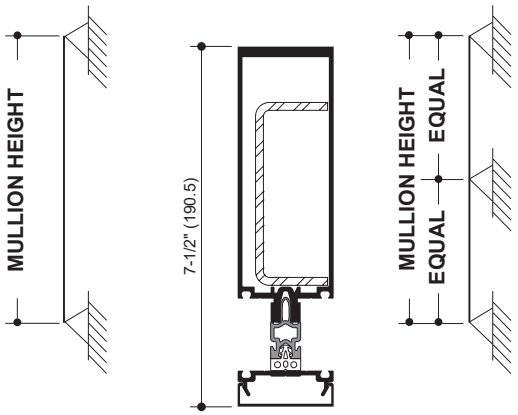
## TWIN SPAN



| | Allowable Stress Design Load | LRFD Ultimate Design Load |
|---|---|---|
| A = | 20 PSF (960) | 33 PSF (1580) |
| B = | 30 PSF (1440) | 50 PSF (2400) |
| C = | 40 PSF (1920) | 67 PSF (3200) |
| D = | 50 PSF (2400) | 83 PSF (4000) |
| E = | 60 PSF (2880) | 100 PSF (4790) |

## SINGLE SPAN

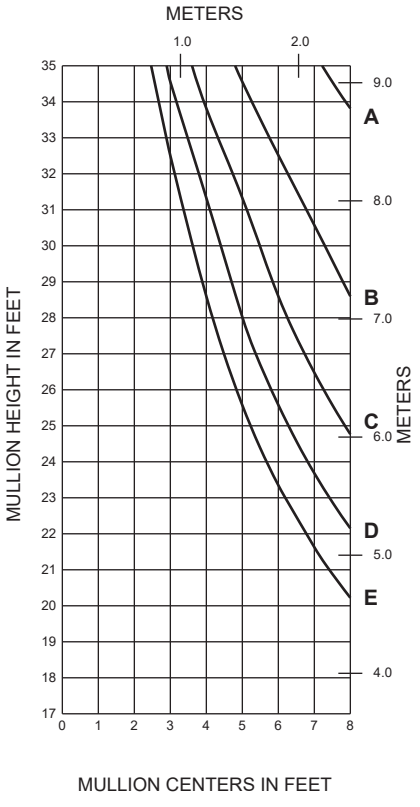


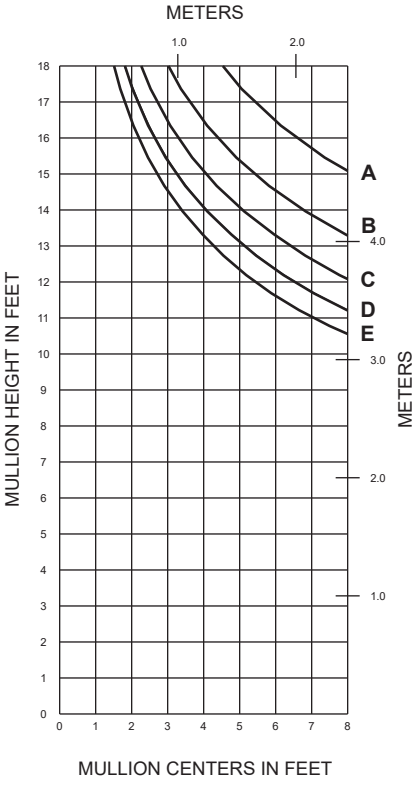

**178004**
**W/162302**

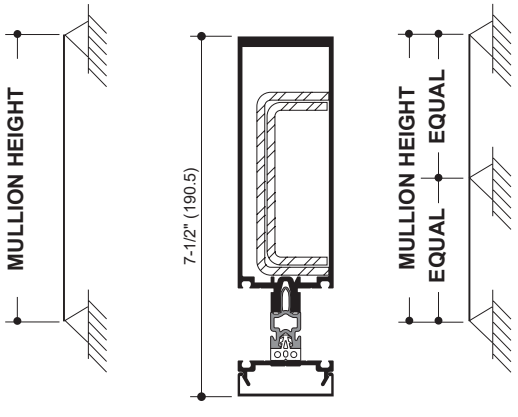
Ia = 8.364 (348.13 x $10^4$)
Sa = 2.805 (45.97 x $10^3$)
Is = 2.111 (87.87 x $10^4$)
Ss = 1.108 (18.16 x $10^3$)

## TWIN SPAN




## SINGLE SPAN

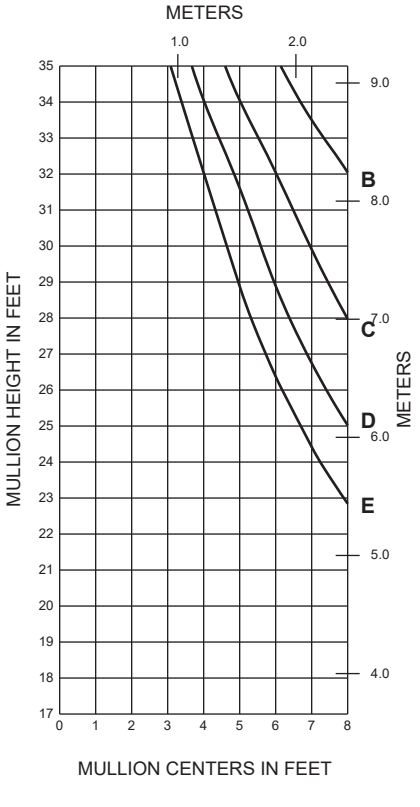



**178004**
**W/162302/303**

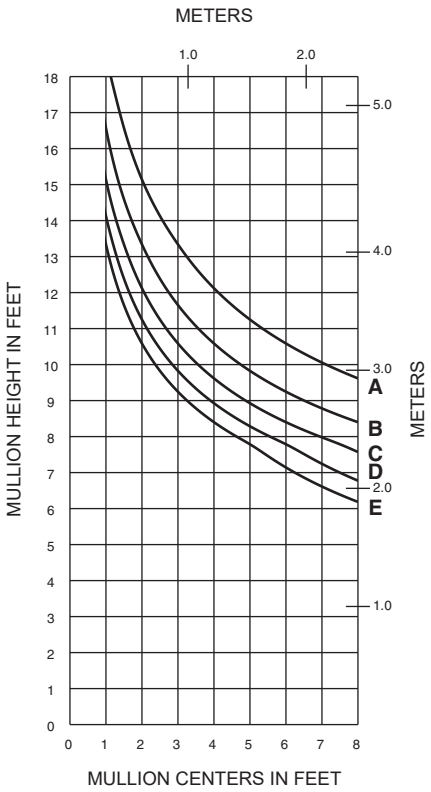
Ia = 8.364 (348.13 x $10^4$)
Sa = 2.805 (45.97 x $10^3$)
Is = 3.489 (145.22 x $10^4$)
Ss = 1.831 (30.00 x $10^3$)

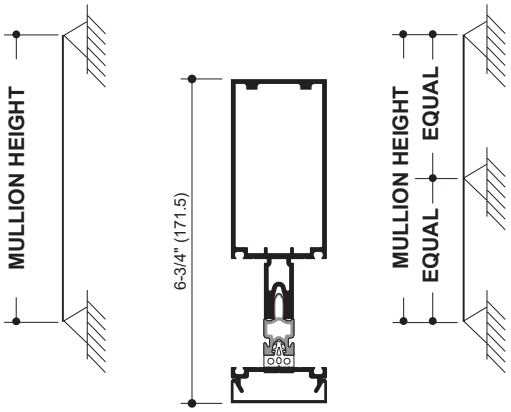
## TWIN SPAN



| | Allowable Stress Design Load | LRFD Ultimate Design Load |
|---|---|---|
| A = | 20 PSF (960) | 33 PSF (1580) |
| B = | 30 PSF (1440) | 50 PSF (2400) |
| C = | 40 PSF (1920) | 67 PSF (3200) |
| D = | 50 PSF (2400) | 83 PSF (4000) |
| E = | 60 PSF (2880) | 100 PSF (4790) |

## SINGLE SPAN

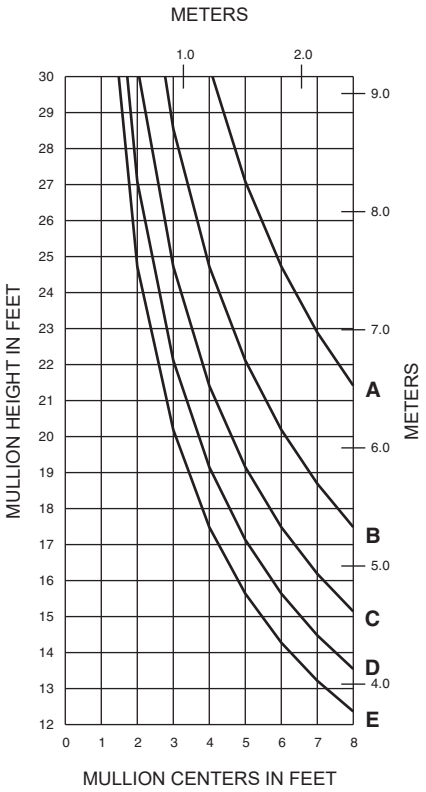


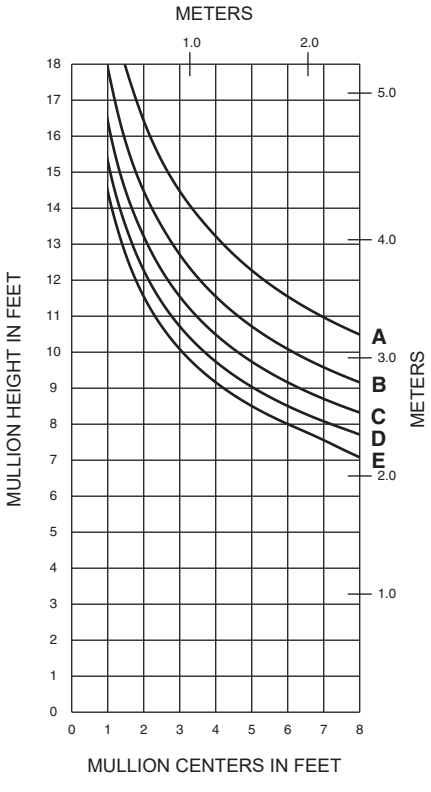

179201

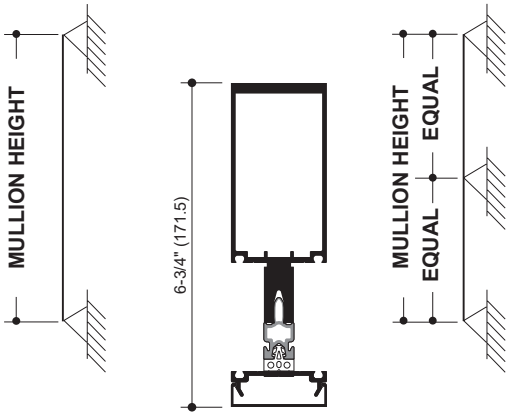
I = 4.657 (193.84 x $10^4$)
S = 1.816 (29.76 x $10^3$)

## TWIN SPAN




## SINGLE SPAN

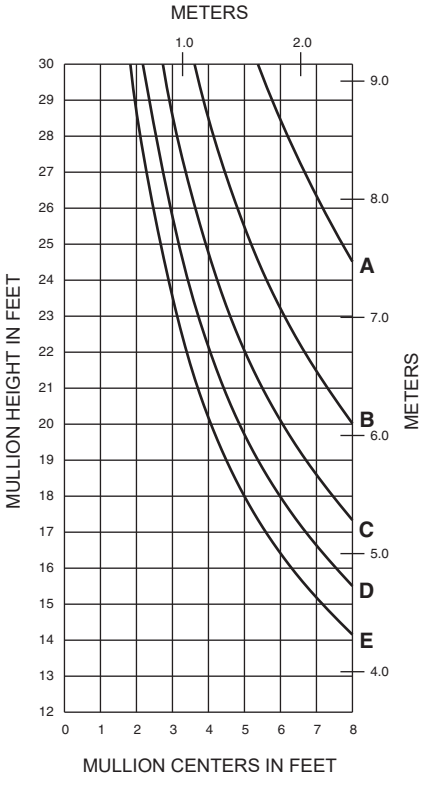



179202

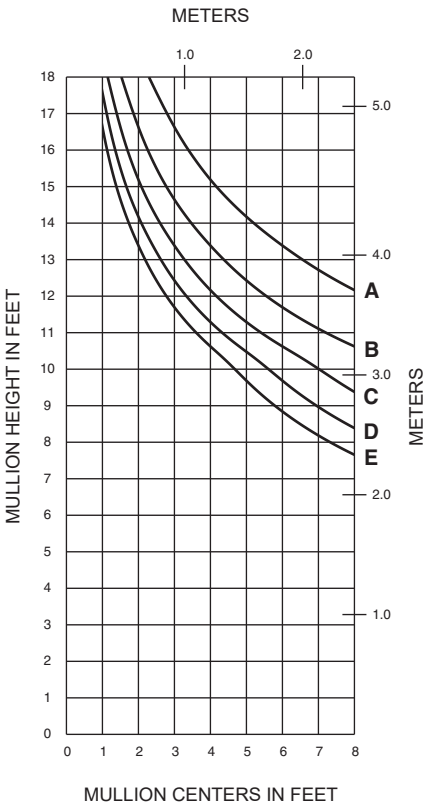
I = 6.042 (251.49 x $10^4$)
S = 2.380 (39.00 x $10^3$)

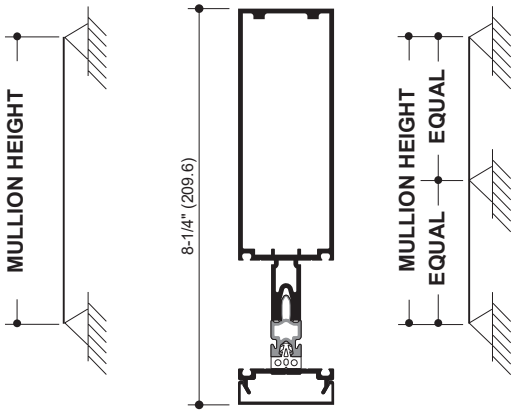
## TWIN SPAN



| | Allowable Stress Design Load | LRFD Ultimate Design Load |
|---|---|---|
| A = | 20 PSF (960) | 33 PSF (1580) |
| B = | 30 PSF (1440) | 50 PSF (2400) |
| C = | 40 PSF (1920) | 67 PSF (3200) |
| D = | 50 PSF (2400) | 83 PSF (4000) |
| E = | 60 PSF (2880) | 100 PSF (4790) |

## SINGLE SPAN

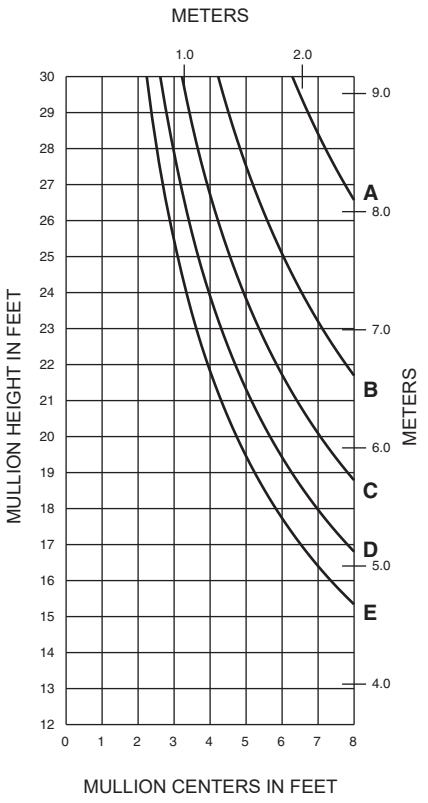


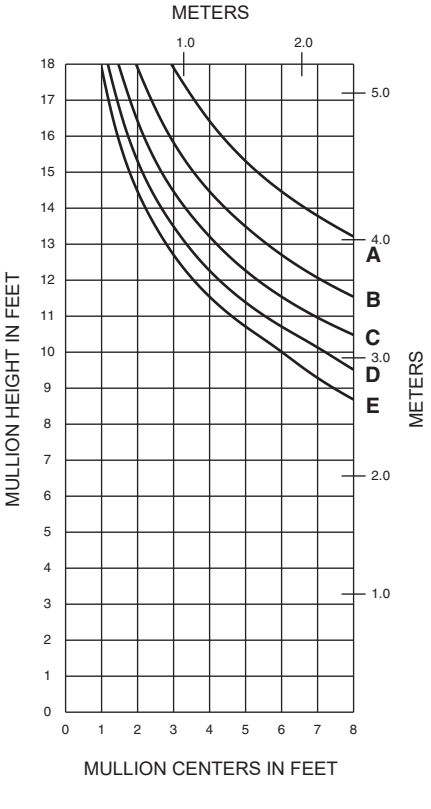

179203

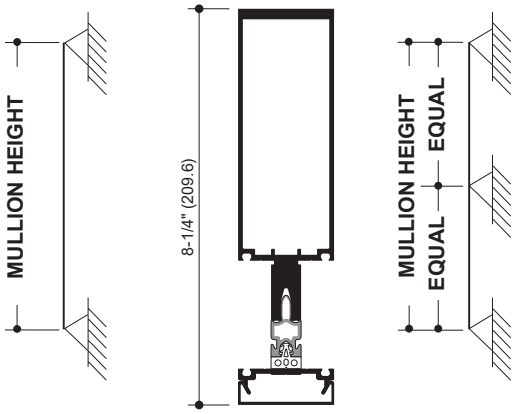
I = 9.414 (391.84 x $10^4$)
S = 2.782 (45.59 x $10^3$)

## TWIN SPAN




## SINGLE SPAN

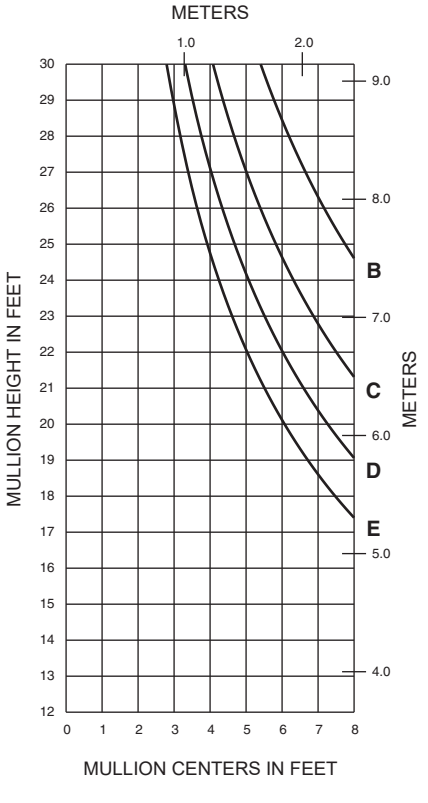



179204

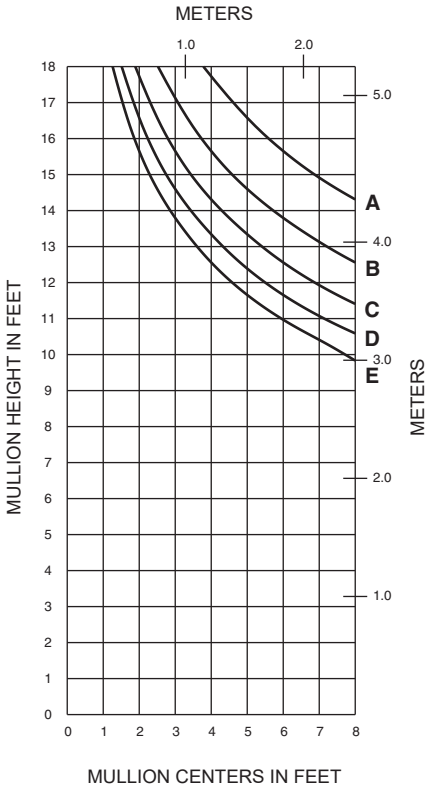
I = 12.059 (501.93 x $10^4$)
S = 3.580 (58.67 x $10^3$)

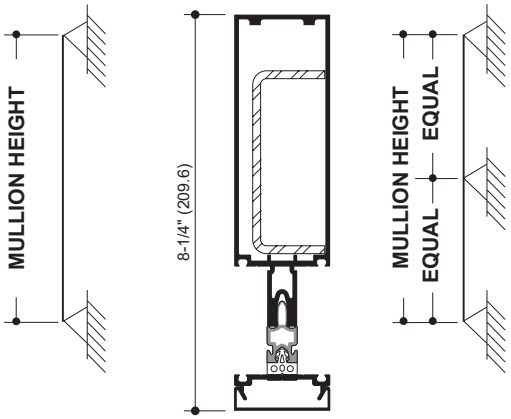
## TWIN SPAN



| | Allowable Stress Design Load | LRFD Ultimate Design Load |
|---|---|---|
| A = | 20 PSF (960) | 33 PSF (1580) |
| B = | 30 PSF (1440) | 50 PSF (2400) |
| C = | 40 PSF (1920) | 67 PSF (3200) |
| D = | 50 PSF (2400) | 83 PSF (4000) |
| E = | 60 PSF (2880) | 100 PSF (4790) |

## SINGLE SPAN

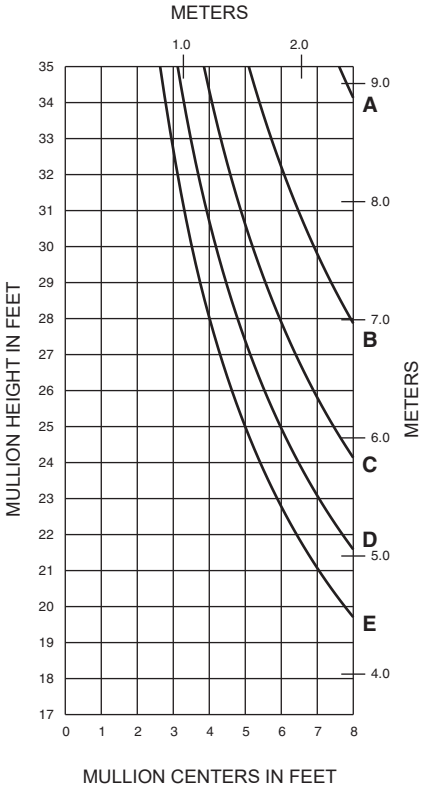


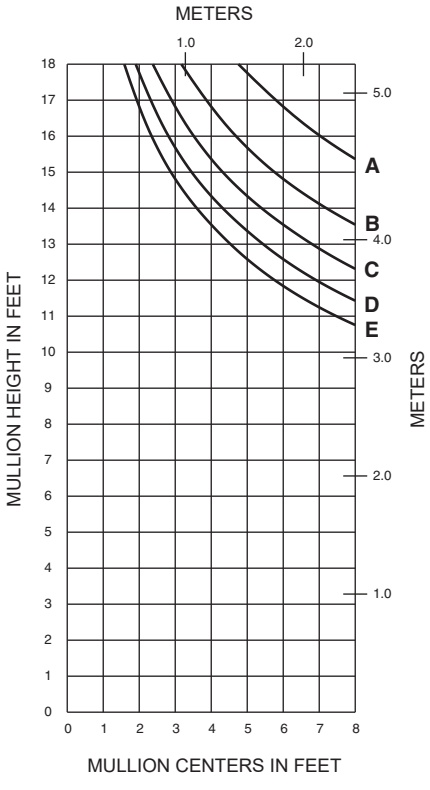

**179203**
**W/162302**

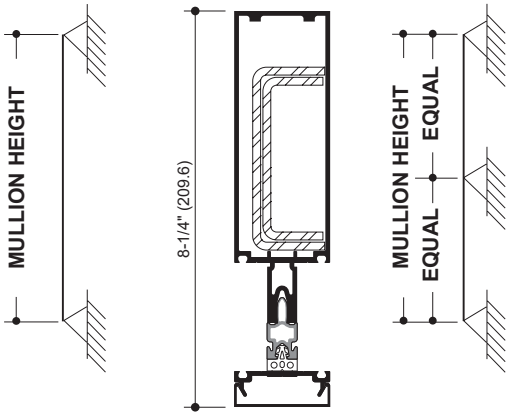
$I_a$ = 9.414 (391.84 x $10^4$)
$S_a$ = 2.782 (45.59 x $10^3$)
$I_s$ = 2.111 (87.87 x $10^4$)
$S_s$ = 1.108 (18.16 x $10^3$)

## TWIN SPAN




## SINGLE SPAN

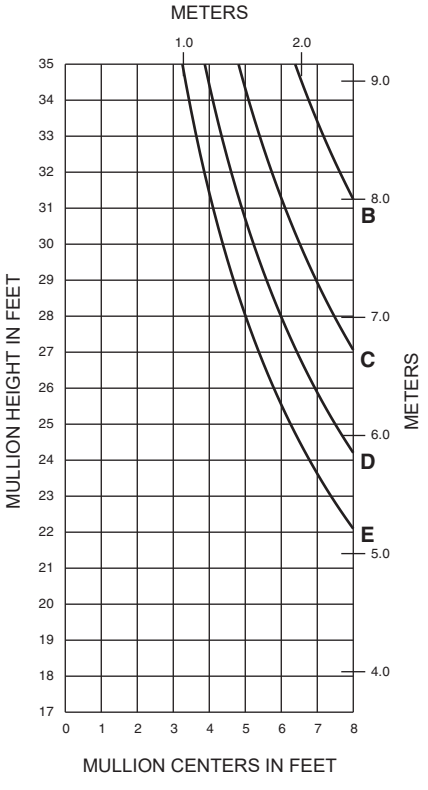



**179203**
**W/162302/303**

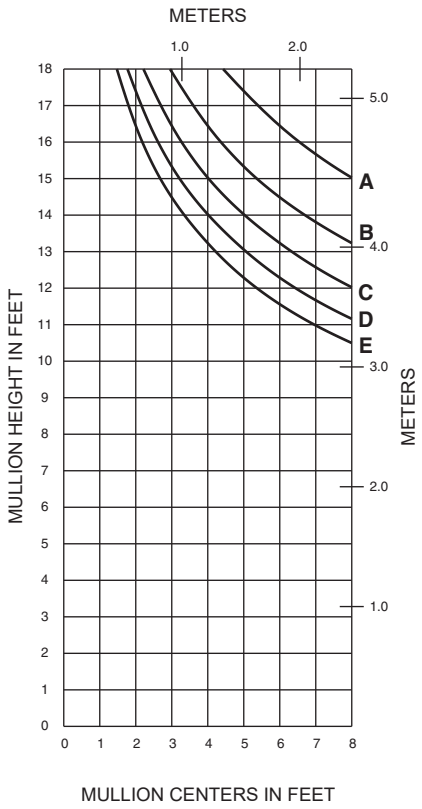
$I_a$ = 9.414 (391.84 x $10^4$)
$S_a$ = 2.782 (45.59 x $10^3$)
$I_s$ = 3.489 (145.22 x $10^4$)
$S_s$ = 1.831 (30.00 x $10^3$)

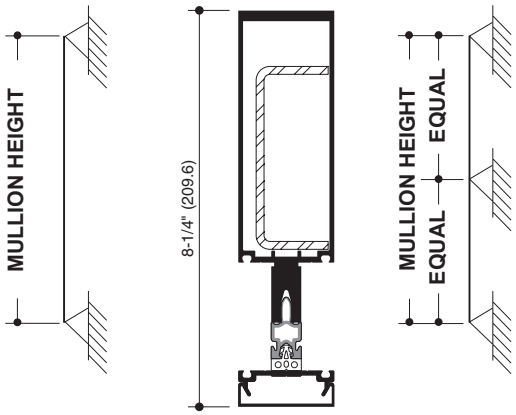
## TWIN SPAN



| | Allowable Stress Design Load | LRFD Ultimate Design Load |
|---|---|---|
| A = | 20 PSF (960) | 33 PSF (1580) |
| B = | 30 PSF (1440) | 50 PSF (2400) |
| C = | 40 PSF (1920) | 67 PSF (3200) |
| D = | 50 PSF (2400) | 83 PSF (4000) |
| E = | 60 PSF (2880) | 100 PSF (4790) |

## SINGLE SPAN

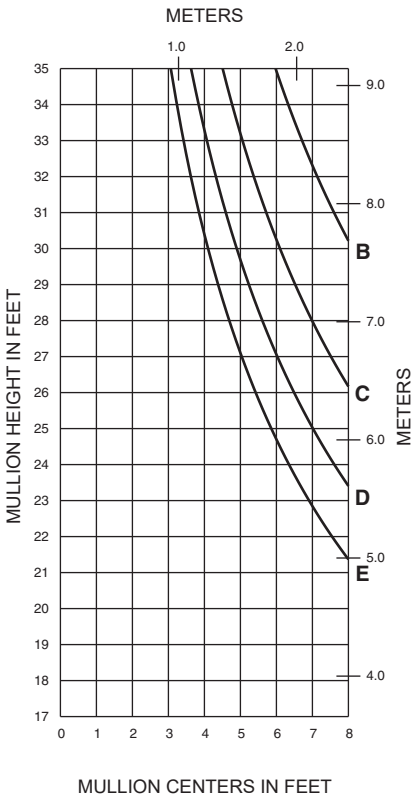


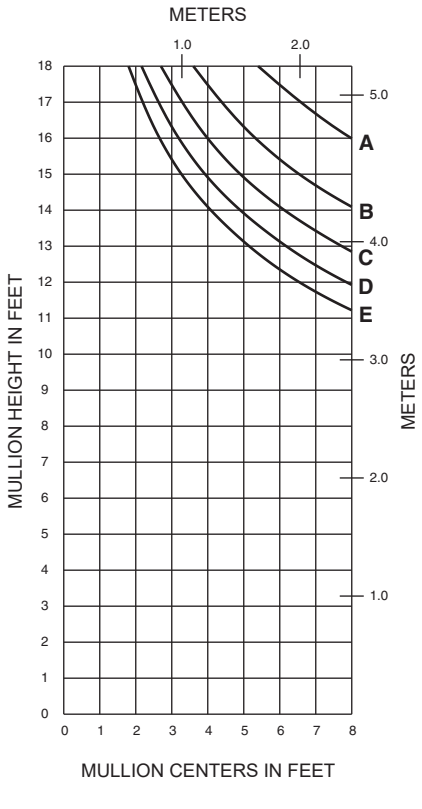

**179204**
**W/162302**

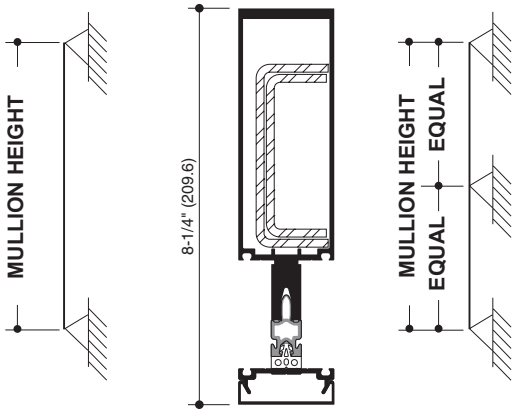
Ia = 12.059 (501.93 x $10^4$)
Sa = 3.580 (58.67 x $10^3$)
Is = 2.111 (87.87 x $10^4$)
Ss = 1.108 (18.16 x $10^3$)

## TWIN SPAN




## SINGLE SPAN

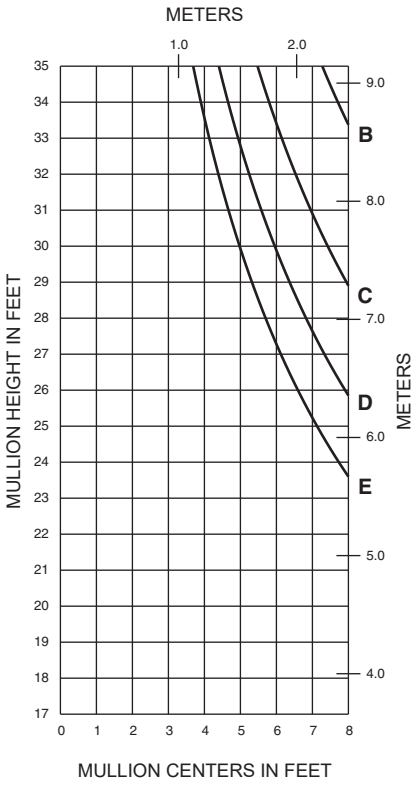


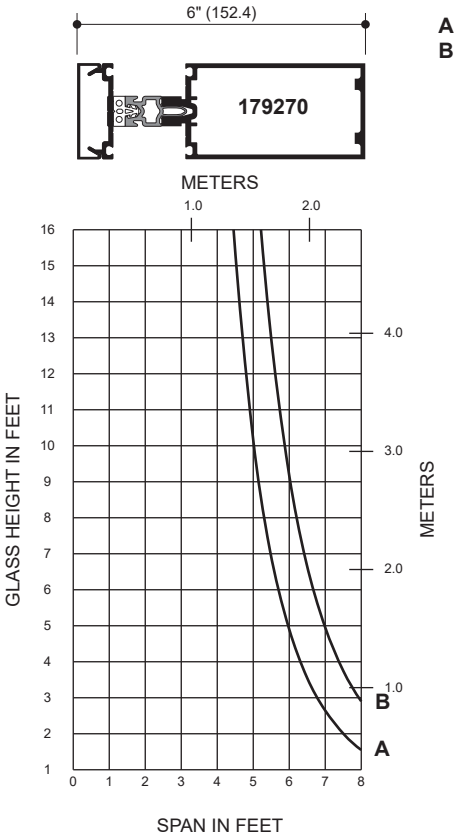

**179204**
**W/162302/303**

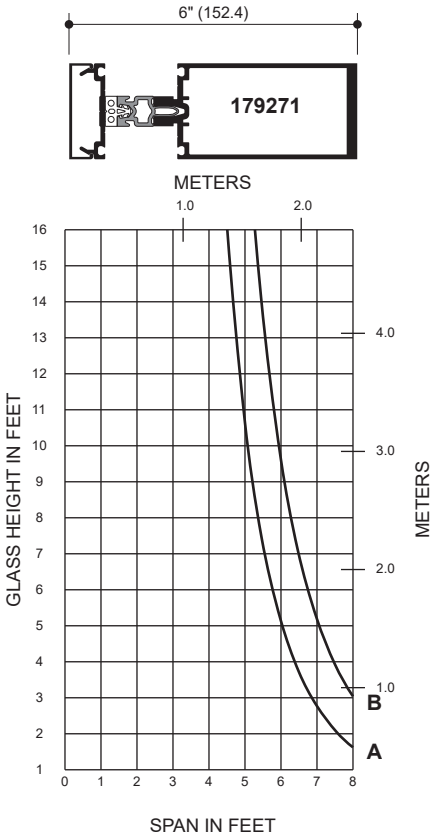
Ia = 12.059 (501.93 x $10^4$)
Sa = 3.580 (58.67 x $10^3$)
Is = 3.489 (145.22 x $10^4$)
Ss = 1.831 (30.00 x $10^3$)

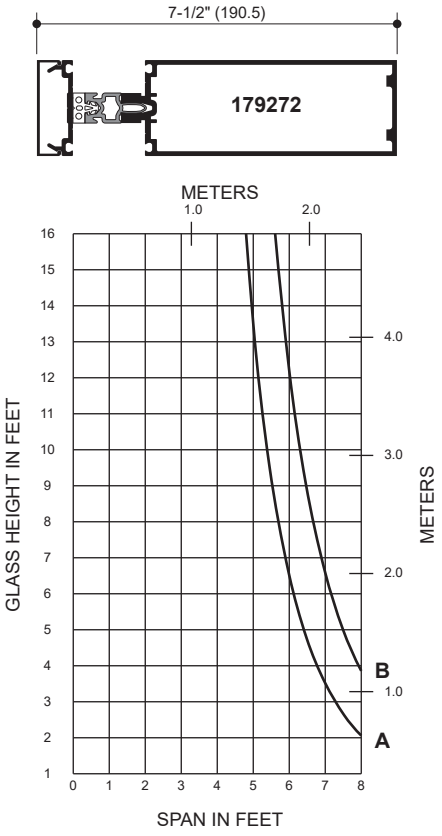
## TWIN SPAN

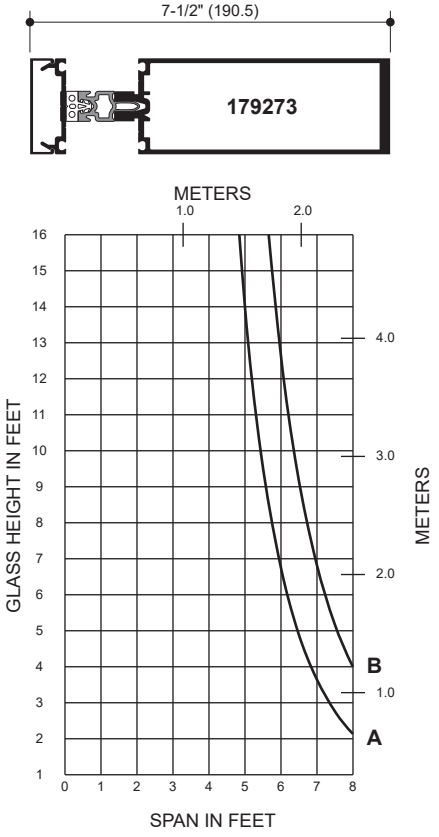


**A** - 1" GLASS (1/4 POINT LOADING)
**B** - 1" GLASS (1/8 POINT LOADING)



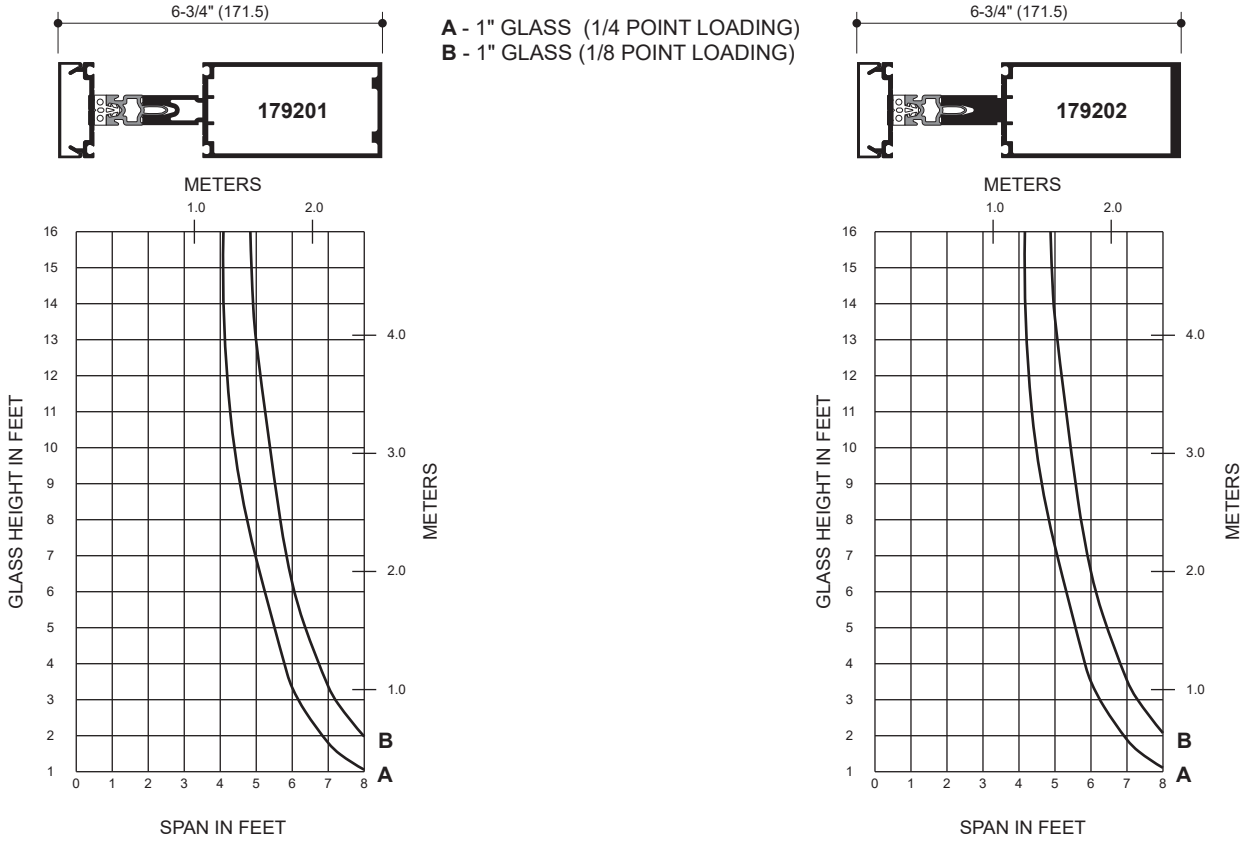



# 1620UT SSG Curtain Wall System



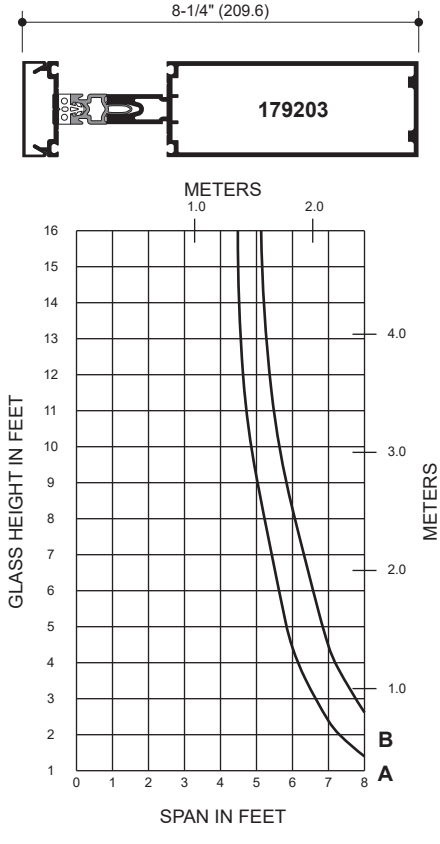
DEADLOAD CHARTS (TUBULAR)
(1-3/4" INFILL)

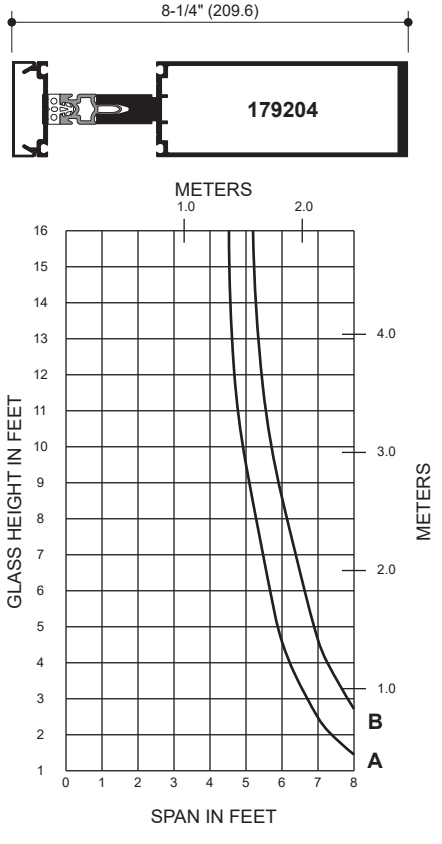
**A** - 1" GLASS (1/4 POINT LOADING)
**B** - 1" GLASS (1/8 POINT LOADING)



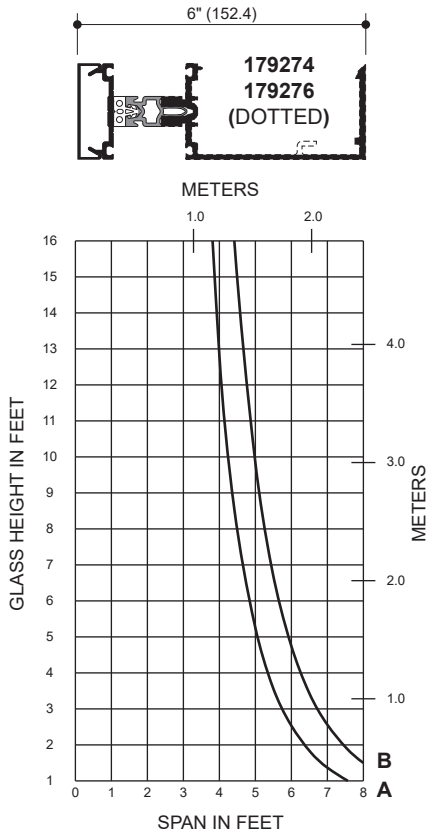


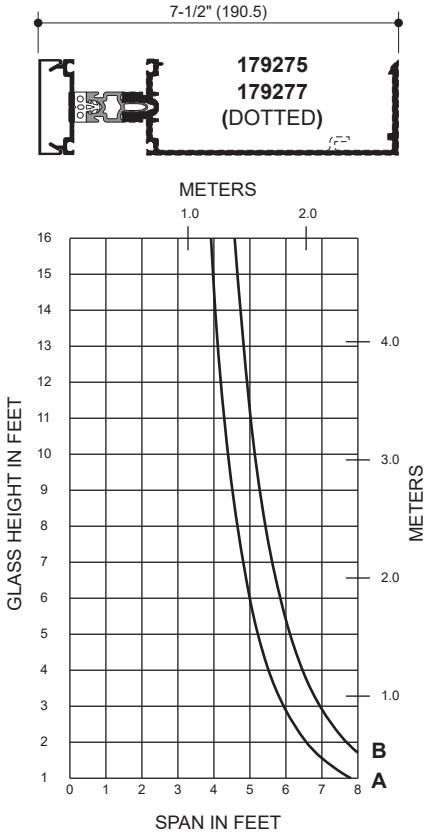


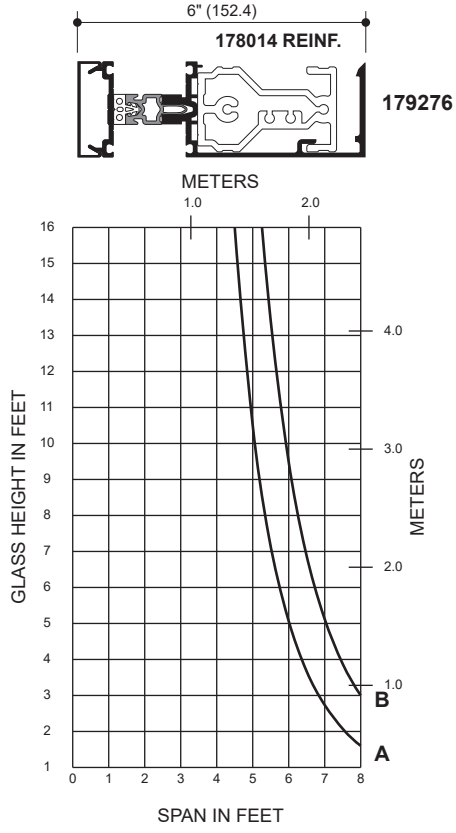


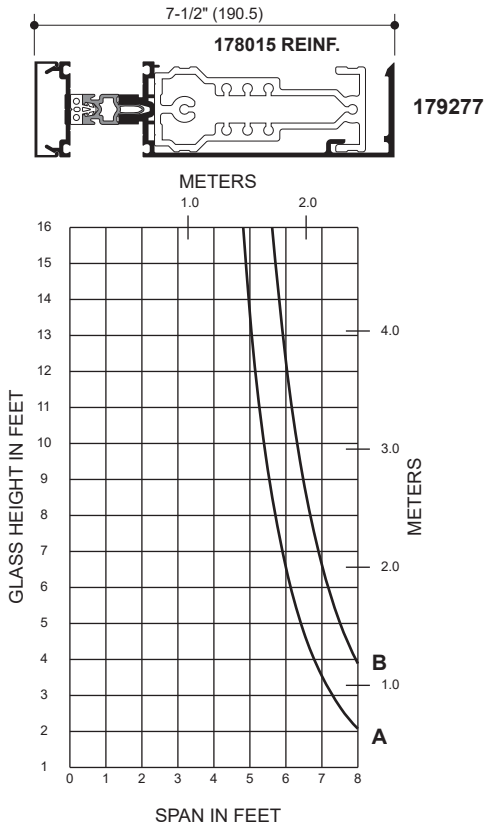



**A** - 1" GLASS (1/4 POINT LOADING)
**B** - 1" GLASS (1/8 POINT LOADING)



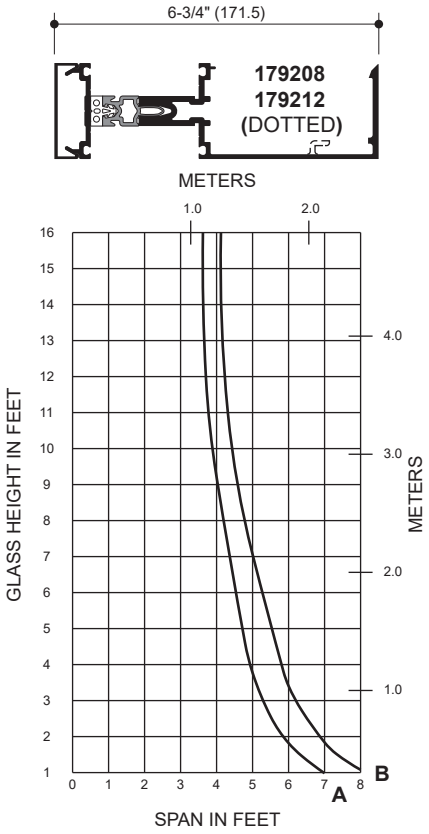



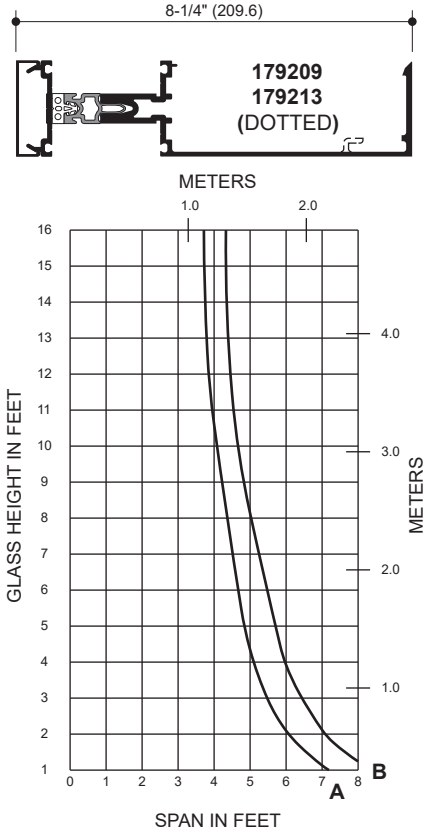
# 1620UT SSG Curtain Wall System

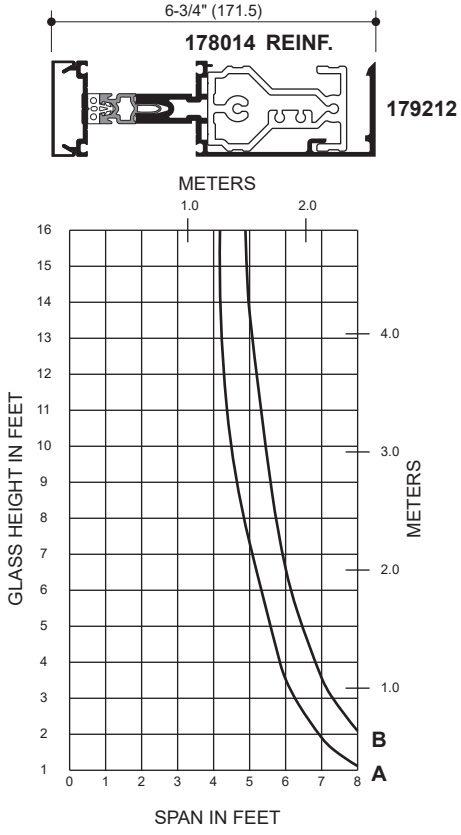


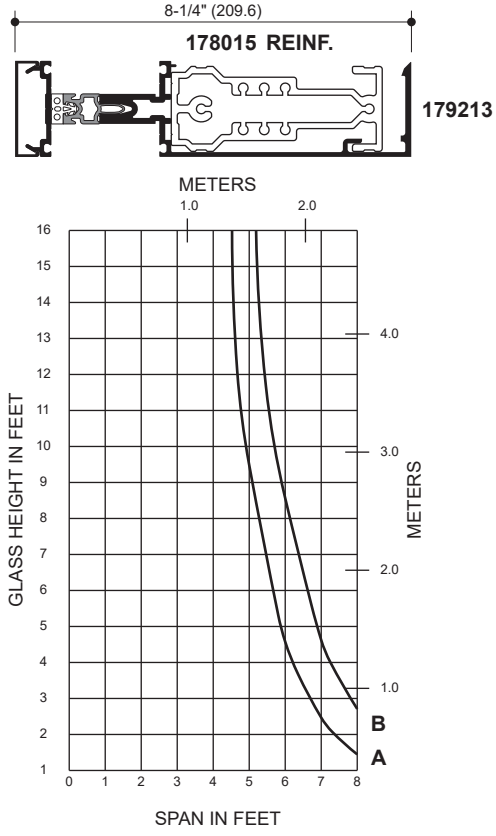
DEADLOAD CHARTS (OPEN BACK)
(1-3/4" INFILL)

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



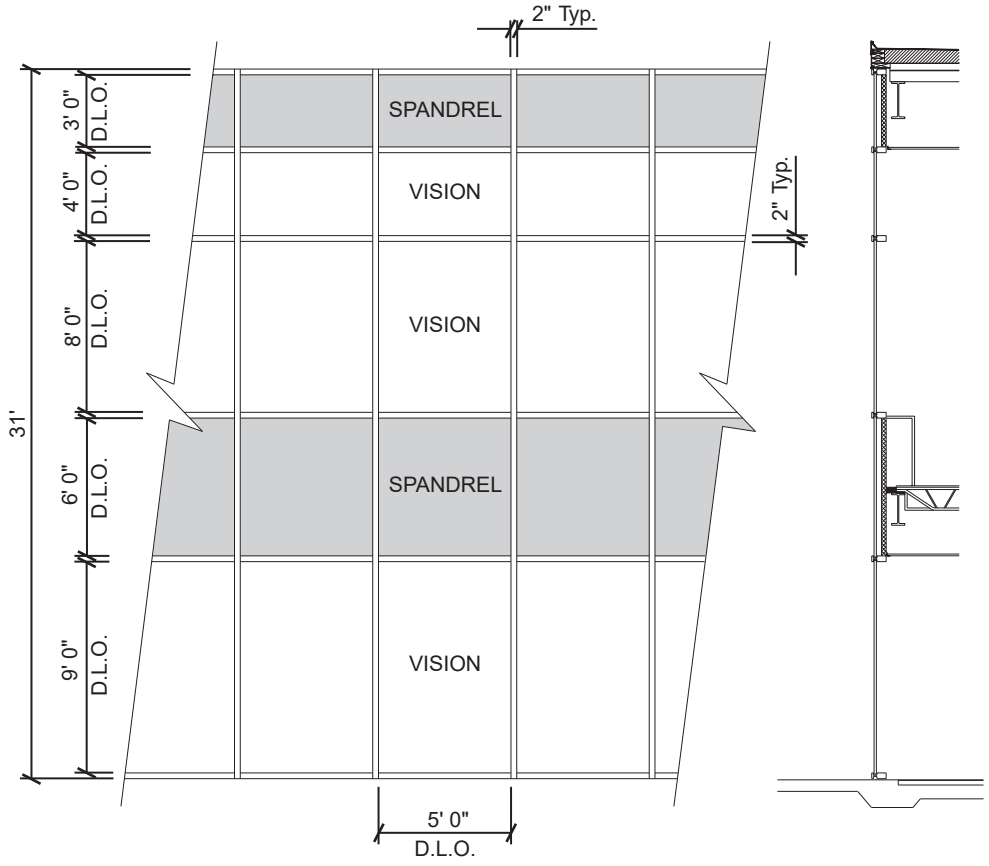



## Generic Project Specific U-factor Example Calculation
## (Percent of Glass will vary on specific products depending on sitelines)

(Based on single bay of Curtain Wall/Window Wall)

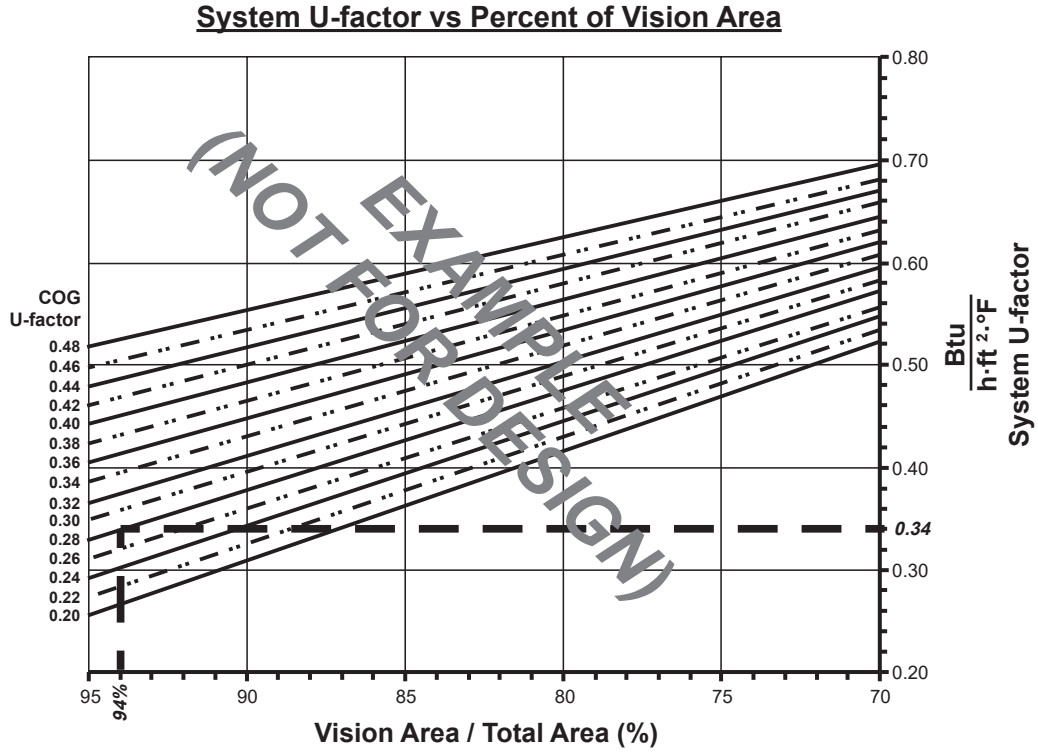



Vision Area

| | |
|---|---|
| Example Glass U-factor | = 0.28 Btu/(ft² · h · °F) |
| Vision Area | = 5(9 + 8 + 4) = 105.0 ft² |
| Total Area (Vision)* | = 5' 2" (9' 3" + 8' 2" + 4' 2") = 111.5 ft² |
| Percentage of Vision Glass | = (Vision Area ÷ Total Area)100<br>= (105.0 ÷ 111.5)100 = 94% |

* Area taken to the centerlines of vertical mullions and centerline of horizontal at spandrels.

## Vision Area Chart

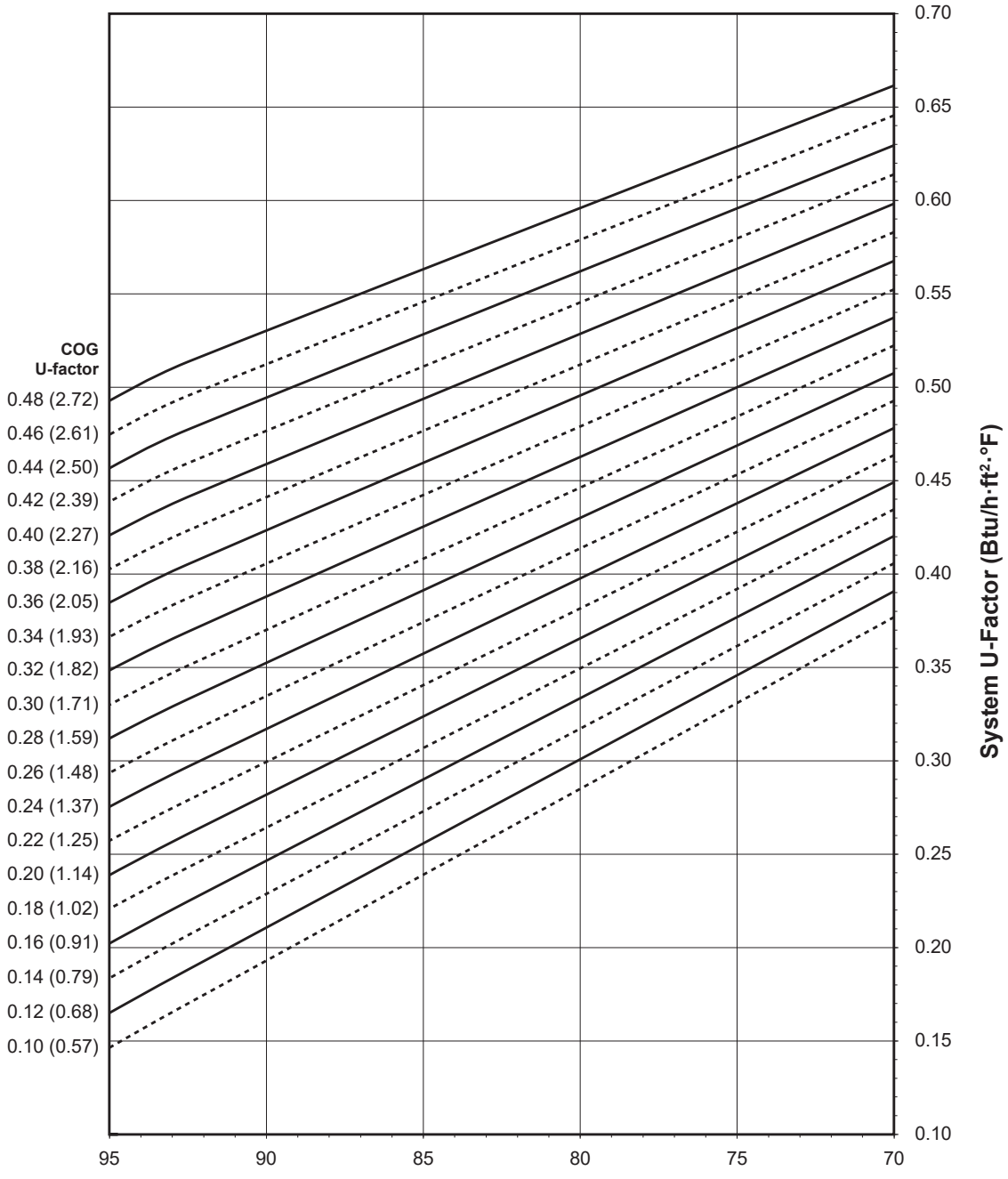



***Based on a single curtain wall bay of 94% vision glass and center of glass U-factor of 0.28, System U-factor is equal to 0.34 Btu/(h·ft ²·°F)***

## Aluminum Pressure Plate
## 1" Double Glazed - Warm-Edge Glazing Spacer

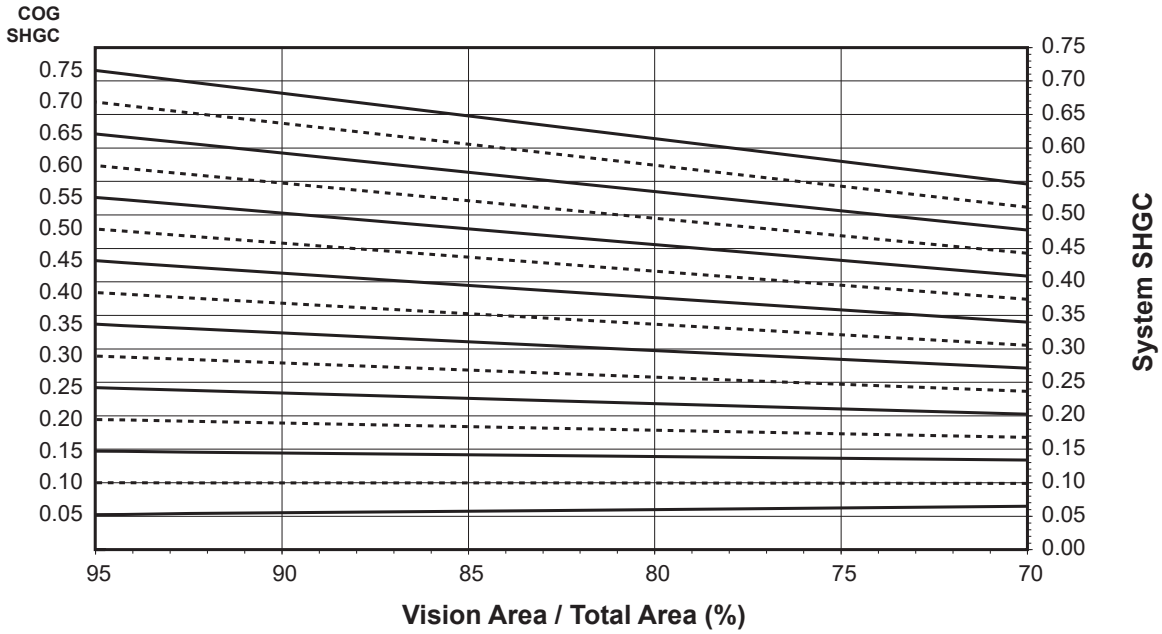
Note:
Values in parentheses are metric.
COG=Center of Glass.
Charts are generated per AAMA 507.

### System U-Factor for Vision Glass



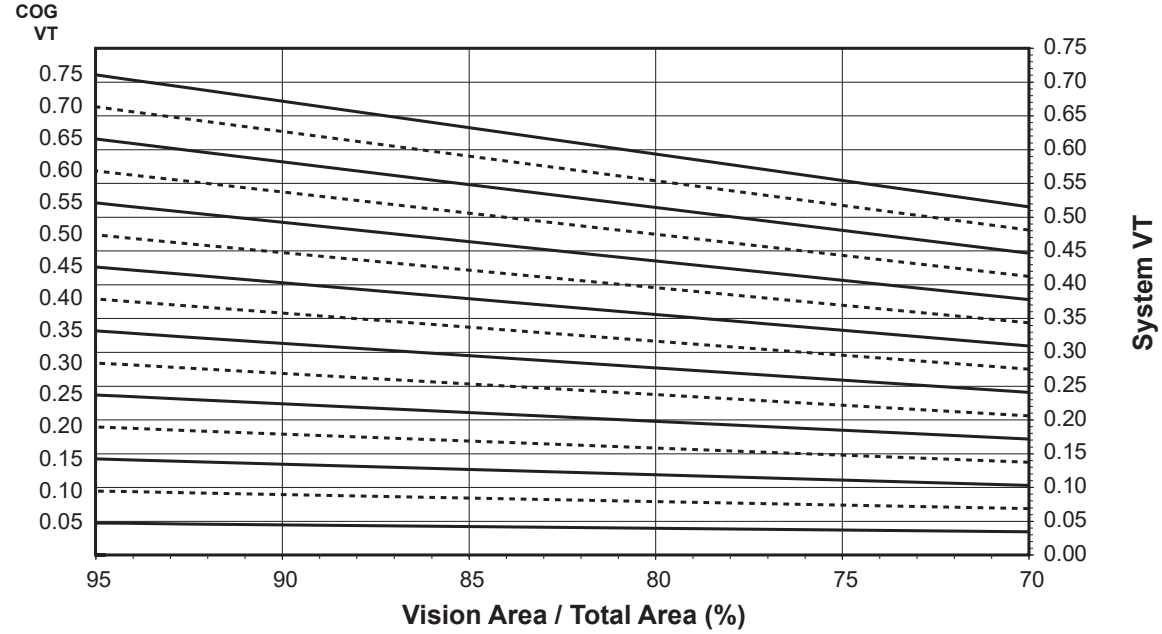
## Aluminum Pressure Plate
## 1" Double Glazed - Warm-Edge Glazing Spacer

### 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 | 0.51 |
| 0.46 | 0.50 |
| 0.44 | 0.48 |
| 0.42 | 0.46 |
| 0.40 | 0.44 |
| 0.38 | 0.42 |
| 0.36 | 0.41 |
| 0.34 | 0.39 |
| 0.32 | 0.37 |
| 0.30 | 0.35 |
| 0.28 | 0.33 |
| 0.26 | 0.31 |
| 0.24 | 0.30 |
| 0.22 | 0.28 |
| 0.20 | 0.26 |
| 0.18 | 0.24 |
| 0.16 | 0.22 |
| 0.14 | 0.21 |
| 0.12 | 0.19 |
| 0.10 | 0.17 |

### Aluminum Pressure Plate
### 1" Double Glazed
### Warm-Edge Glazing Spacer

**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 2,000 mm wide by 2,000 mm high (78-3/4" by 78-3/4").

## SHGC Matrix [2]

| Glass SHGC [3] | Overall SHGC [4] |
|---|---|
| 0.75 | 0.70 |
| 0.70 | 0.65 |
| 0.65 | 0.61 |
| 0.60 | 0.56 |
| 0.55 | 0.51 |
| 0.50 | 0.47 |
| 0.45 | 0.42 |
| 0.40 | 0.38 |
| 0.35 | 0.33 |
| 0.30 | 0.28 |
| 0.25 | 0.24 |
| 0.20 | 0.19 |
| 0.15 | 0.15 |
| 0.10 | 0.10 |
| 0.05 | 0.05 |

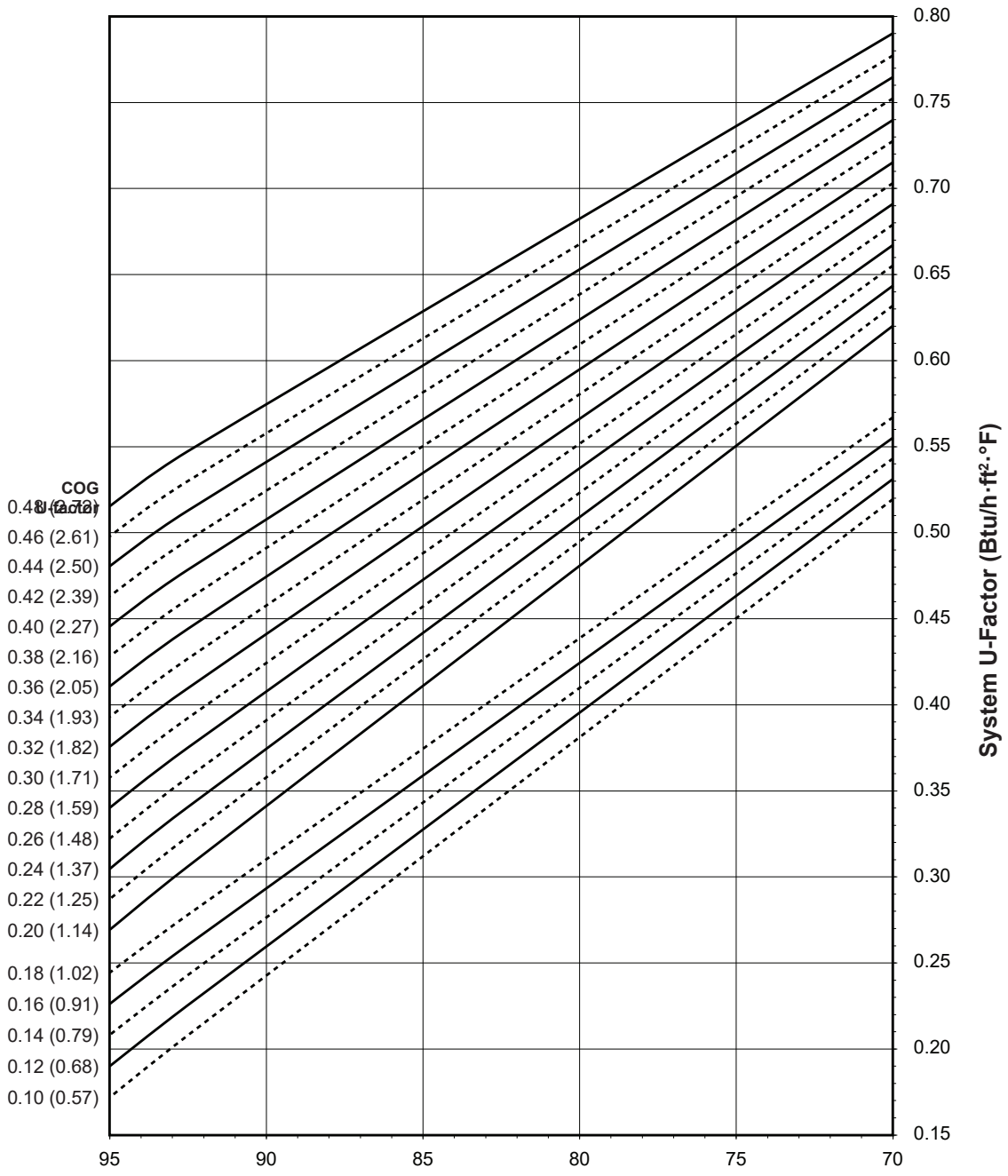
## Visible Transmittance [2]

| Glass VT [3] | Overall VT [4] |
|---|---|
| 0.75 | 0.69 |
| 0.70 | 0.65 |
| 0.65 | 0.60 |
| 0.60 | 0.55 |
| 0.55 | 0.51 |
| 0.50 | 0.46 |
| 0.45 | 0.41 |
| 0.40 | 0.37 |
| 0.35 | 0.32 |
| 0.30 | 0.28 |
| 0.25 | 0.23 |
| 0.20 | 0.18 |
| 0.15 | 0.14 |
| 0.10 | 0.09 |
| 0.05 | 0.05 |

## Aluminum Pressure Plate
## 1" Double Glazed - Aluminum Glazing Spacer

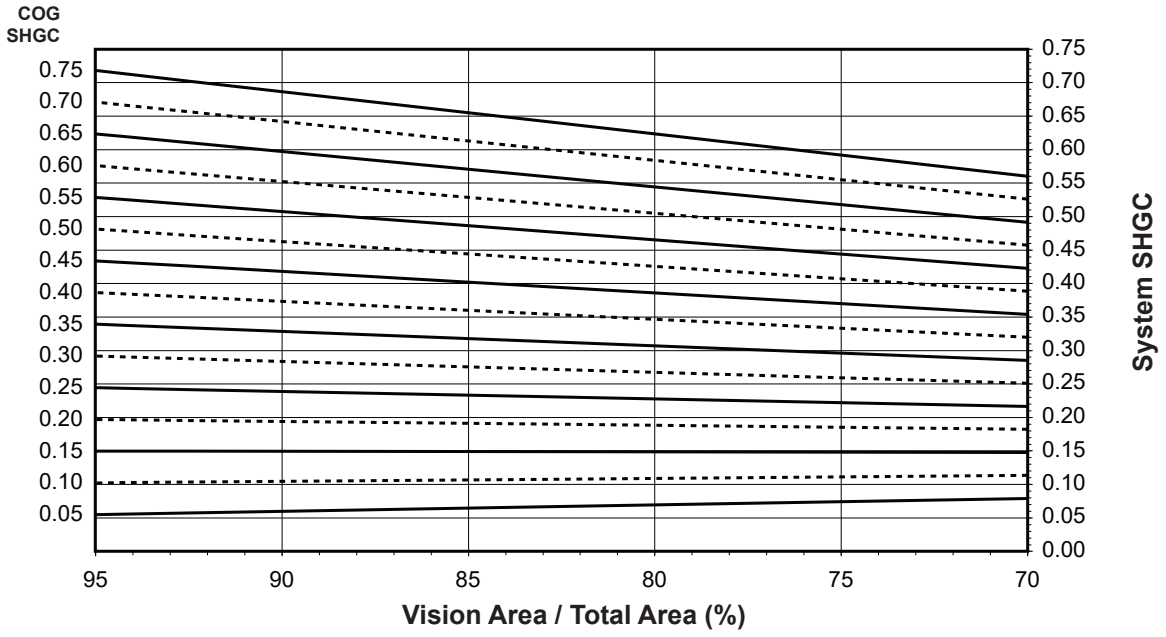
Note:
Values in parentheses are metric.
COG=Center of Glass.
Charts are generated per AAMA 507.

### System U-Factor for Vision Glass



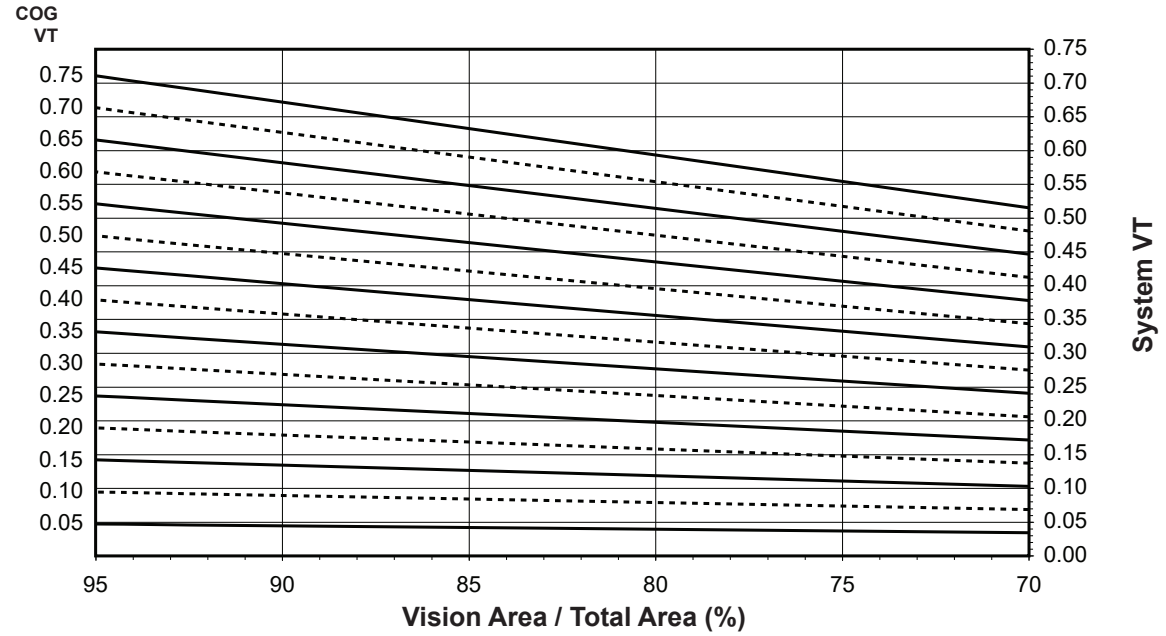
## Aluminum Pressure Plate
## 1" Double Glazed - Aluminum Glazing Spacer

**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 | 0.55 |
| 0.46 | 0.53 |
| 0.44 | 0.51 |
| 0.42 | 0.50 |
| 0.40 | 0.48 |
| 0.38 | 0.46 |
| 0.36 | 0.44 |
| 0.34 | 0.43 |
| 0.32 | 0.41 |
| 0.30 | 0.39 |
| 0.28 | 0.38 |
| 0.26 | 0.36 |
| 0.24 | 0.34 |
| 0.22 | 0.32 |
| 0.20 | 0.31 |
| 0.18 | 0.28 |
| 0.16 | 0.26 |
| 0.14 | 0.24 |
| 0.12 | 0.23 |
| 0.10 | 0.21 |

**Aluminum Pressure Plate**
**1" Double Glazed**
**Aluminum Glazing Spacer**

**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 2,000 mm wide by 2,000 mm high (78-3/4" by 78-3/4").

## SHGC Matrix [2]

| Glass SHGC [3] | Overall SHGC [4] |
|---|---|
| 0.75 | 0.70 |
| 0.70 | 0.66 |
| 0.65 | 0.61 |
| 0.60 | 0.56 |
| 0.55 | 0.52 |
| 0.50 | 0.47 |
| 0.45 | 0.43 |
| 0.40 | 0.38 |
| 0.35 | 0.33 |
| 0.30 | 0.29 |
| 0.25 | 0.24 |
| 0.20 | 0.20 |
| 0.15 | 0.15 |
| 0.10 | 0.10 |
| 0.05 | 0.06 |

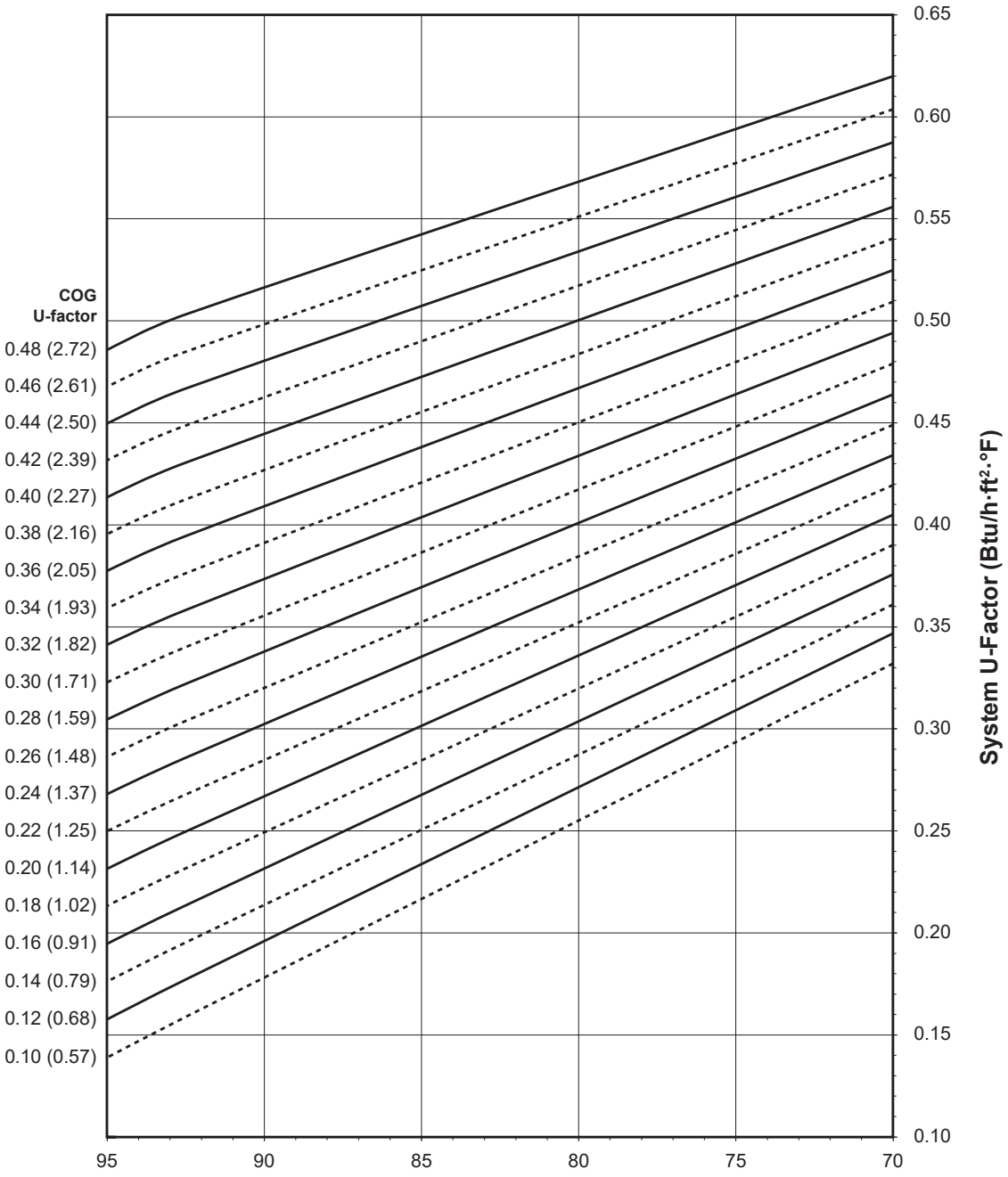
## Visible Transmittance [2]

| Glass VT [3] | Overall VT [4] |
|---|---|
| 0.75 | 0.69 |
| 0.70 | 0.65 |
| 0.65 | 0.60 |
| 0.60 | 0.55 |
| 0.55 | 0.51 |
| 0.50 | 0.46 |
| 0.45 | 0.41 |
| 0.40 | 0.37 |
| 0.35 | 0.32 |
| 0.30 | 0.28 |
| 0.25 | 0.23 |
| 0.20 | 0.18 |
| 0.15 | 0.14 |
| 0.10 | 0.09 |
| 0.05 | 0.05 |

## Fiberglass Pressure Plate
## 1" Double Glazed - Warm-Edge Glazing Spacer

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

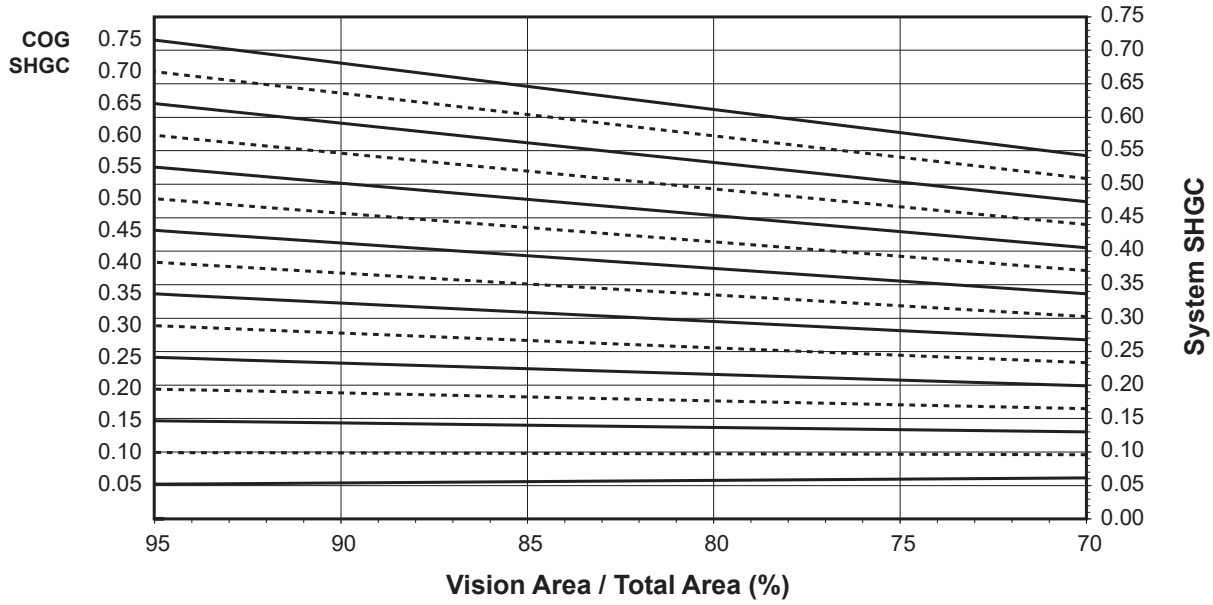
### System U-Factor for Vision Glass



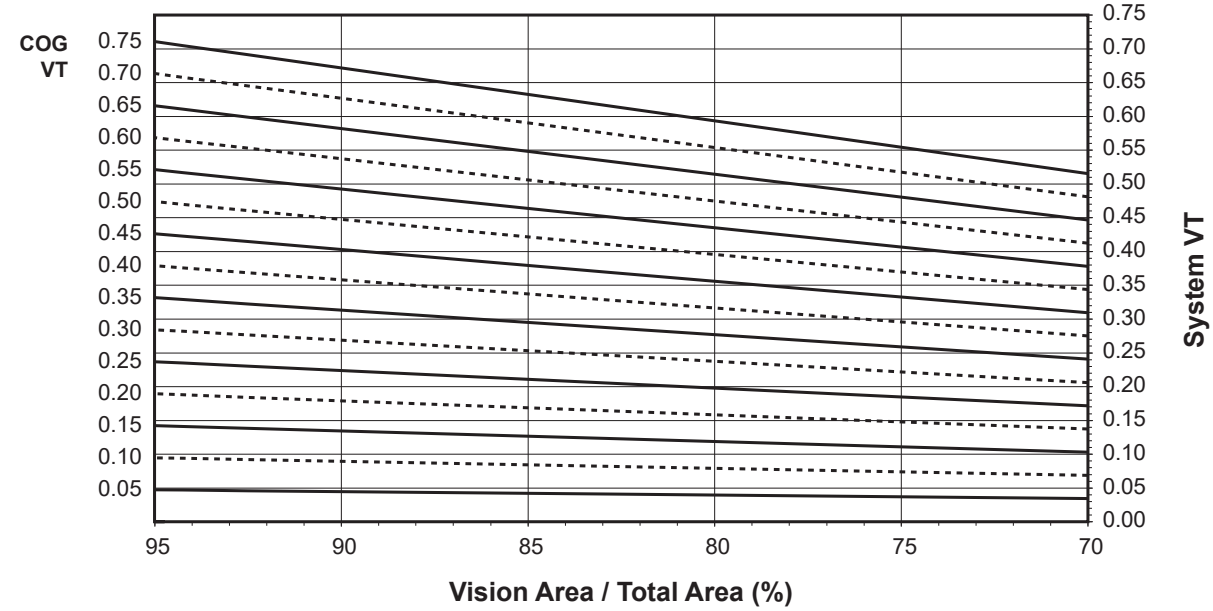

**Notes for System U-factor, SHGC and VT charts:**
For glass values that are not listed, linear interpolation is permitted.
Glass properties are based on center of glass values and are obtained from your glass supplier.

## Fiberglass Pressure Plate
## 1" Double Glazed - Warm-Edge Glazing Spacer

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




### System Visible Transmittance (VT) vs Percent of Vision Area



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

| Glass U-Factor [3] | Overall U-Factor [4] |
|---|---|
| 0.48 | 0.50 |
| 0.46 | 0.48 |
| 0.44 | 0.47 |
| 0.42 | 0.45 |
| 0.40 | 0.43 |
| 0.38 | 0.41 |
| 0.36 | 0.39 |
| 0.34 | 0.38 |
| 0.32 | 0.36 |
| 0.30 | 0.34 |
| 0.28 | 0.32 |
| 0.26 | 0.30 |
| 0.24 | 0.29 |
| 0.22 | 0.27 |
| 0.20 | 0.25 |
| 0.18 | 0.23 |
| 0.16 | 0.21 |
| 0.14 | 0.20 |
| 0.12 | 0.18 |
| 0.10 | 0.16 |

### Fiberglass Pressure Plate
### 1" Double Glazed
### Warm-Edge Glazing Spacer

**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 2,000 mm wide by 2,000 mm high (78-3/4" by 78-3/4").

## SHGC Matrix [2]

| Glass SHGC [3] | Overall SHGC [4] |
|---|---|
| 0.75 | 0.70 |
| 0.70 | 0.65 |
| 0.65 | 0.61 |
| 0.60 | 0.56 |
| 0.55 | 0.51 |
| 0.50 | 0.47 |
| 0.45 | 0.42 |
| 0.40 | 0.38 |
| 0.35 | 0.33 |
| 0.30 | 0.28 |
| 0.25 | 0.24 |
| 0.20 | 0.19 |
| 0.15 | 0.15 |
| 0.10 | 0.10 |
| 0.05 | 0.05 |

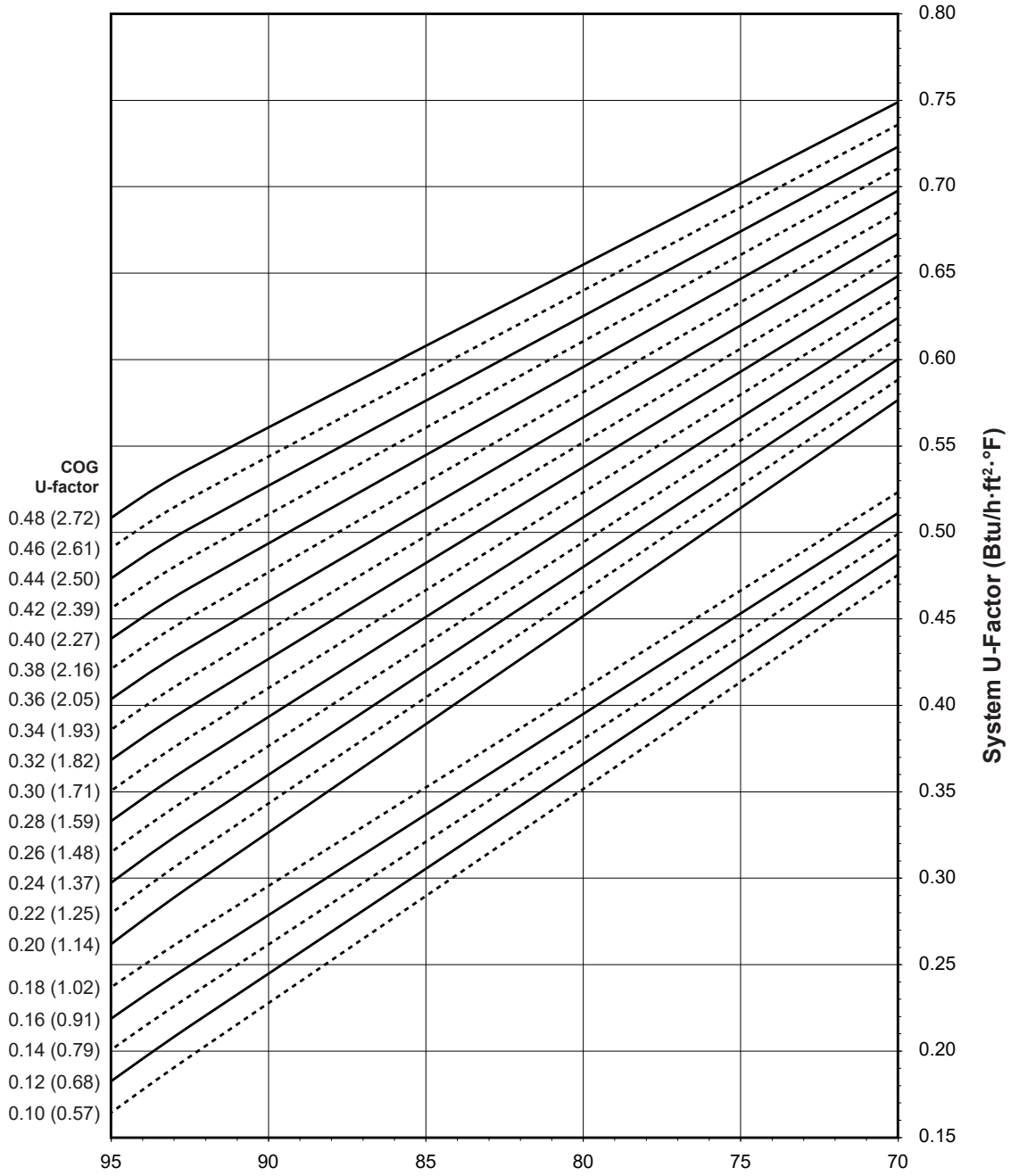
## Visible Transmittance [2]

| Glass VT [3] | Overall VT [4] |
|---|---|
| 0.75 | 0.69 |
| 0.70 | 0.65 |
| 0.65 | 0.60 |
| 0.60 | 0.55 |
| 0.55 | 0.51 |
| 0.50 | 0.46 |
| 0.45 | 0.41 |
| 0.40 | 0.37 |
| 0.35 | 0.32 |
| 0.30 | 0.28 |
| 0.25 | 0.23 |
| 0.20 | 0.18 |
| 0.15 | 0.14 |
| 0.10 | 0.09 |
| 0.05 | 0.05 |

## Fiberglass Pressure Plate
## 1" Double Glazed - Aluminum Glazing Spacer

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

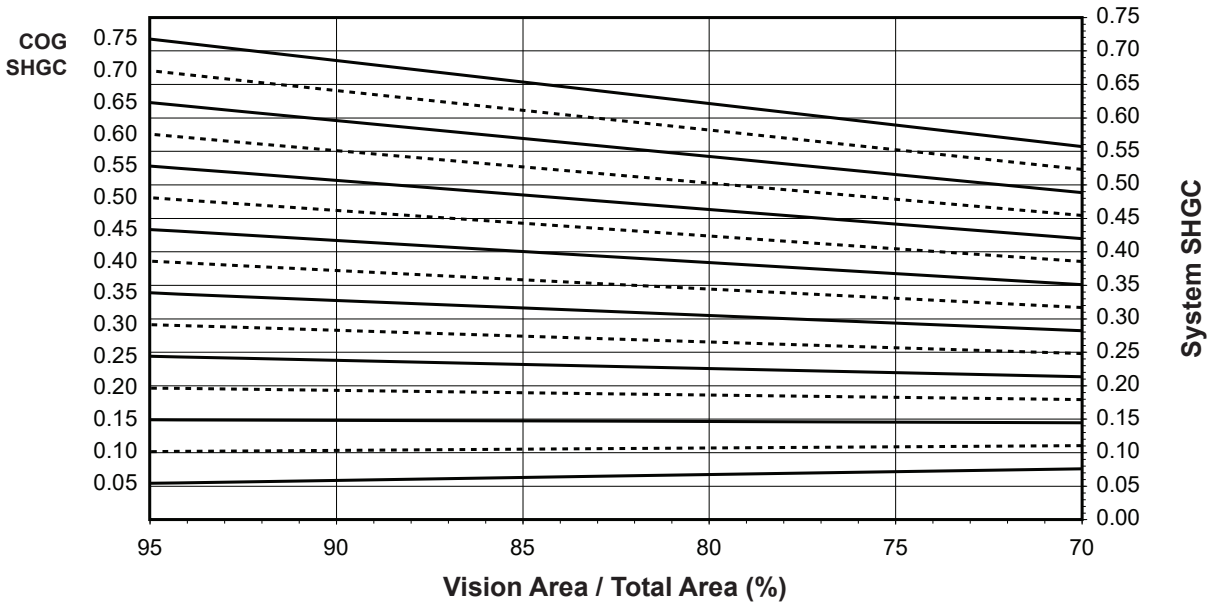
### System U-Factor for Vision Glass



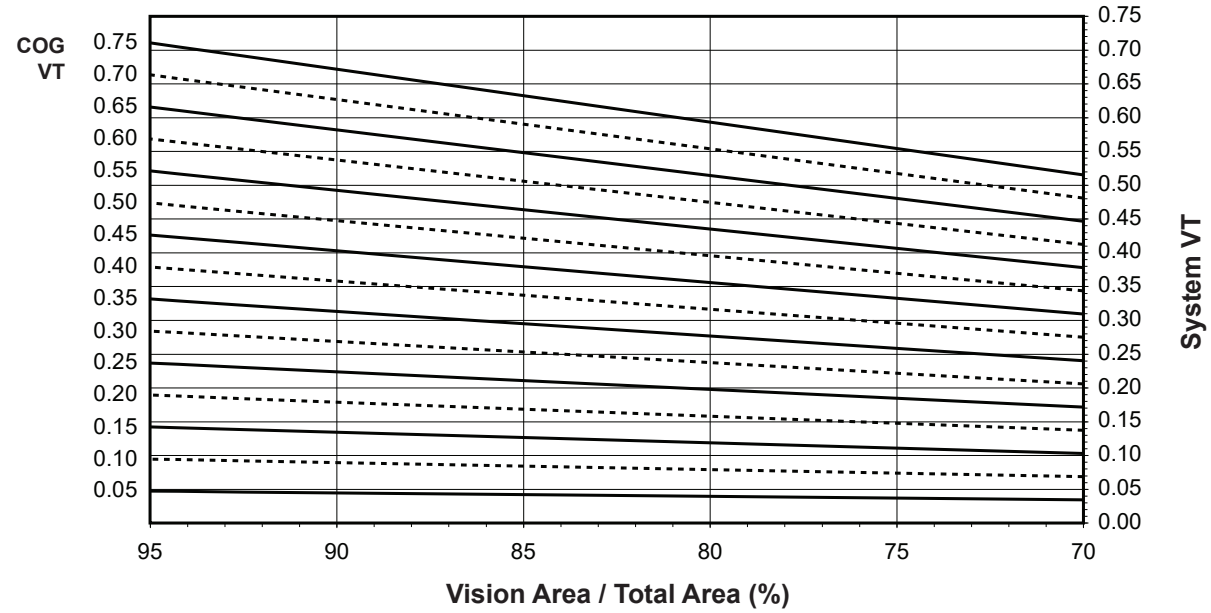

**Notes for System U-factor, SHGC and VT charts:**
For glass values that are not listed, linear interpolation is permitted.
Glass properties are based on center of glass values and are obtained from your glass supplier.

## Fiberglass Pressure Plate
## 1" Double Glazed - Aluminum Glazing Spacer

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




**System Visible Transmittance (VT) vs Percent of Vision Area**



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

| Glass U-Factor [3] | Overall U-Factor [4] |
|---|---|
| 0.48 | 0.54 |
| 0.46 | 0.52 |
| 0.44 | 0.50 |
| 0.42 | 0.49 |
| 0.40 | 0.47 |
| 0.38 | 0.45 |
| 0.36 | 0.43 |
| 0.34 | 0.42 |
| 0.32 | 0.40 |
| 0.30 | 0.38 |
| 0.28 | 0.36 |
| 0.26 | 0.35 |
| 0.24 | 0.33 |
| 0.22 | 0.31 |
| 0.20 | 0.30 |
| 0.18 | 0.27 |
| 0.16 | 0.25 |
| 0.14 | 0.23 |
| 0.12 | 0.21 |
| 0.10 | 0.20 |

**Fiberglass Pressure Plate**
**1" Double Glazed**
**Aluminum Glazing Spacer**

**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 2,000 mm wide by 2,000 mm high (78-3/4" by 78-3/4").

## SHGC Matrix [2]

| Glass SHGC [3] | Overall SHGC [4] |
|---|---|
| 0.75 | 0.70 |
| 0.70 | 0.66 |
| 0.65 | 0.61 |
| 0.60 | 0.56 |
| 0.55 | 0.52 |
| 0.50 | 0.47 |
| 0.45 | 0.43 |
| 0.40 | 0.38 |
| 0.35 | 0.33 |
| 0.30 | 0.29 |
| 0.25 | 0.24 |
| 0.20 | 0.19 |
| 0.15 | 0.15 |
| 0.10 | 0.10 |
| 0.05 | 0.06 |

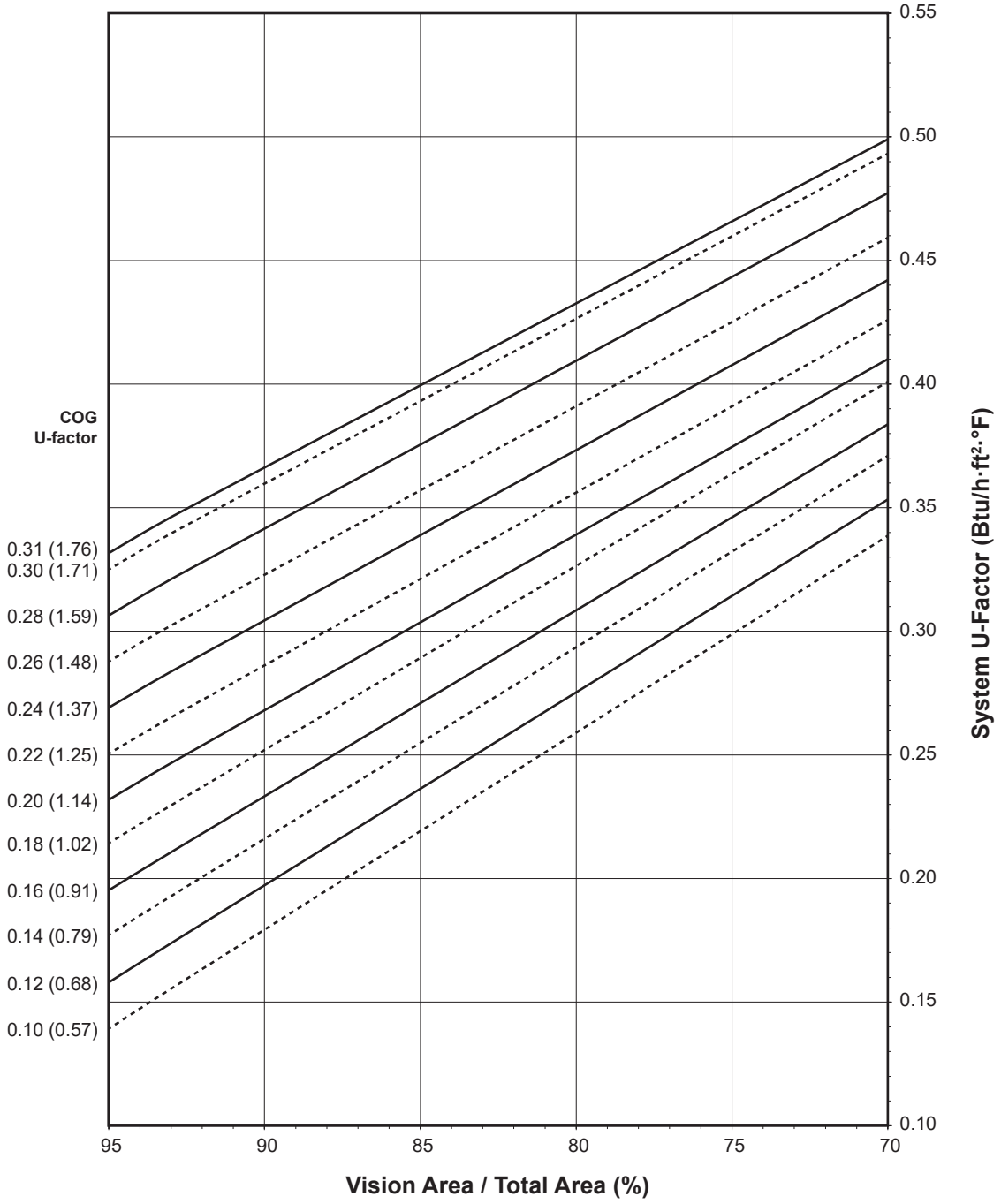
## Visible Transmittance [2]

| Glass VT [3] | Overall VT [4] |
|---|---|
| 0.75 | 0.69 |
| 0.70 | 0.65 |
| 0.65 | 0.60 |
| 0.60 | 0.55 |
| 0.55 | 0.51 |
| 0.50 | 0.46 |
| 0.45 | 0.41 |
| 0.40 | 0.37 |
| 0.35 | 0.32 |
| 0.30 | 0.28 |
| 0.25 | 0.23 |
| 0.20 | 0.18 |
| 0.15 | 0.14 |
| 0.10 | 0.09 |
| 0.05 | 0.05 |

## Aluminum Pressure Plate
## 1-3/4" Triple Glazed - Warm-Edge Glazing Spacer

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

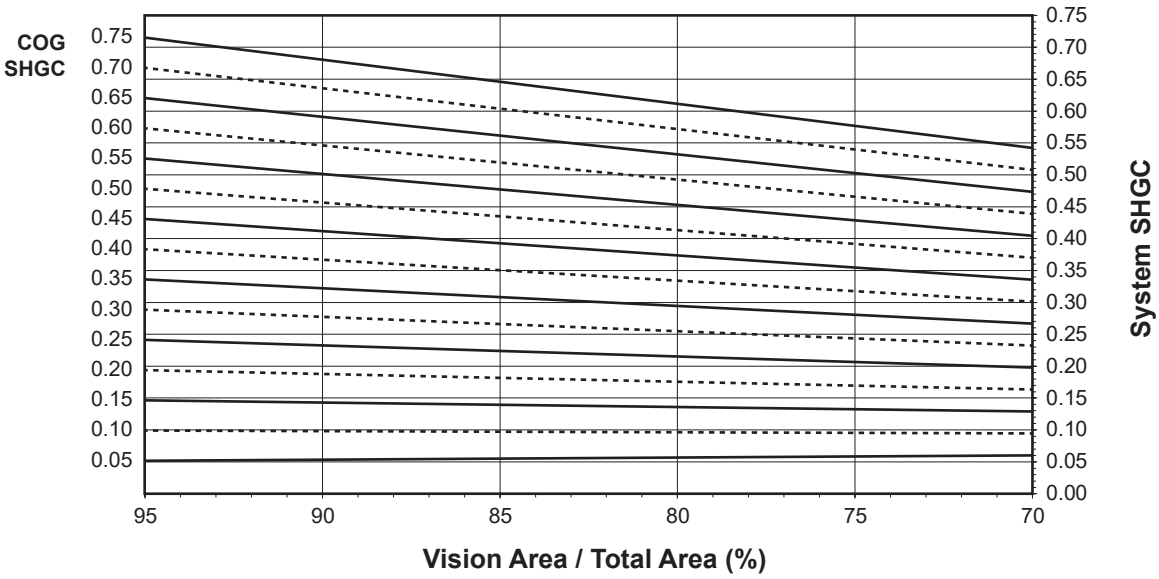
### System U-Factor for Vision Glass




**Notes for System U-Factor, SHGC and VT charts:**
For glass values that are not listed, linear interpolation is permitted.
Glass properties are based on center of glass values (winter conditions) and are obtained from your glass supplier.

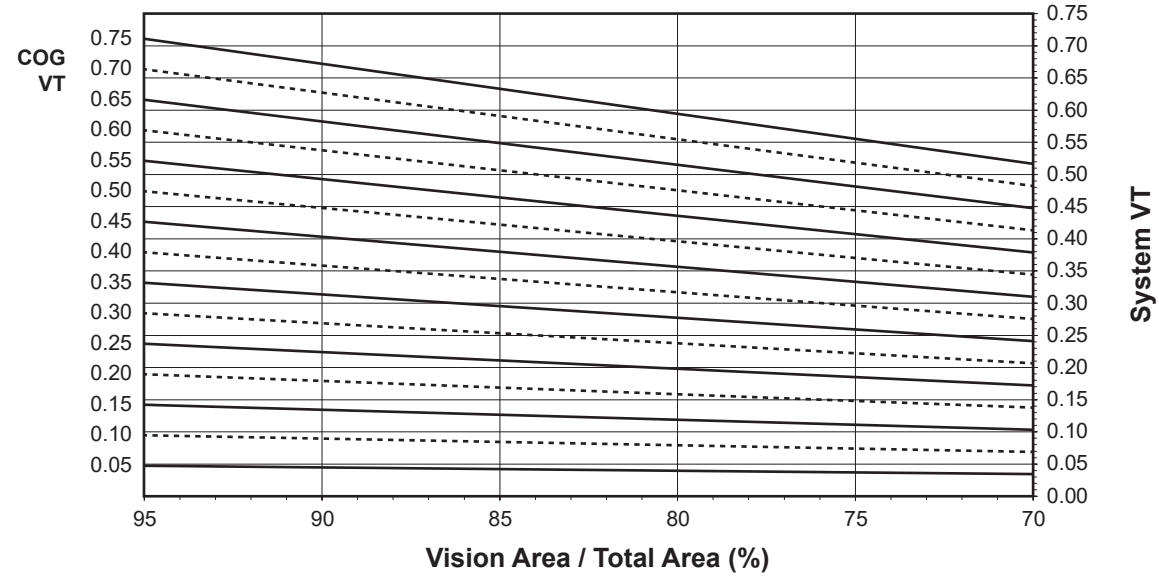
## Aluminum Pressure Plate
## 1-3/4" Triple Glazed - Warm-Edge Glazing Spacer

### 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] |
|---|---|
| 0.31 | 0.35 |
| 0.30 | 0.34 |
| 0.28 | 0.32 |
| 0.26 | 0.31 |
| 0.24 | 0.29 |
| 0.22 | 0.27 |
| 0.20 | 0.25 |
| 0.18 | 0.23 |
| 0.16 | 0.21 |
| 0.14 | 0.20 |
| 0.12 | 0.18 |
| 0.10 | 0.16 |

## Aluminum Pressure Plate
## 1-3/4" Triple Glazed
## Warm-Edge Glazing Spacer

**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 2,000 mm wide by 2,000 mm high (78-3/4" by 78-3/4").

## SHGC Matrix [2]

| Glass SHGC [3] | Overall SHGC [4] |
|---|---|
| 0.75 | 0.70 |
| 0.70 | 0.65 |
| 0.65 | 0.61 |
| 0.60 | 0.56 |
| 0.55 | 0.51 |
| 0.50 | 0.47 |
| 0.45 | 0.42 |
| 0.40 | 0.38 |
| 0.35 | 0.33 |
| 0.30 | 0.28 |
| 0.25 | 0.24 |
| 0.20 | 0.19 |
| 0.15 | 0.14 |
| 0.10 | 0.10 |
| 0.05 | 0.05 |

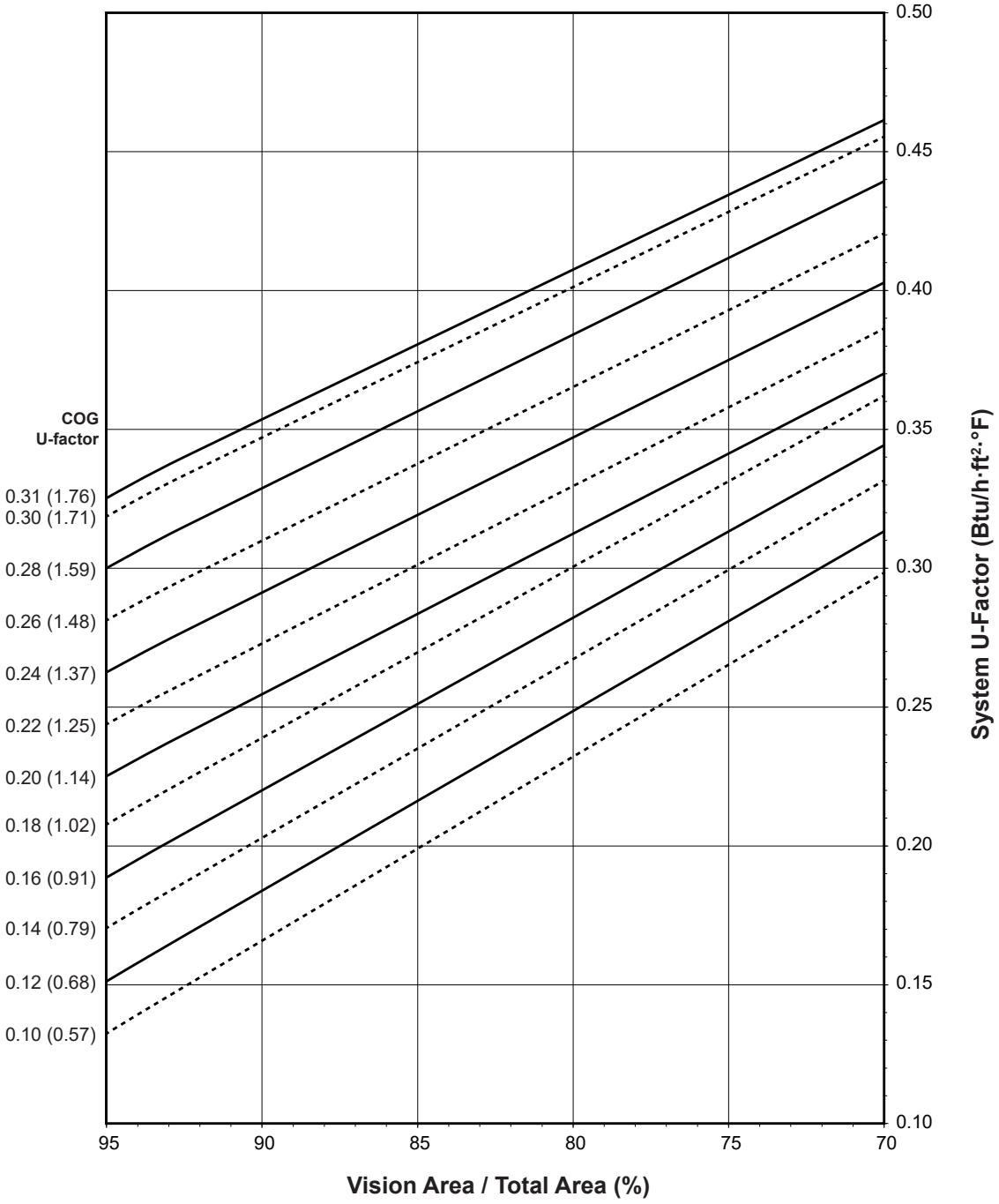
## Visible Transmittance [2]

| Glass VT [3] | Overall VT [4] |
|---|---|
| 0.75 | 0.69 |
| 0.70 | 0.65 |
| 0.65 | 0.60 |
| 0.60 | 0.55 |
| 0.55 | 0.51 |
| 0.50 | 0.46 |
| 0.45 | 0.41 |
| 0.40 | 0.37 |
| 0.35 | 0.32 |
| 0.30 | 0.28 |
| 0.25 | 0.23 |
| 0.20 | 0.18 |
| 0.15 | 0.14 |
| 0.10 | 0.09 |
| 0.05 | 0.05 |

## Fiberglass Pressure Plate
## 1-3/4" Triple Glazed - Warm-Edge Glazing Spacer

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

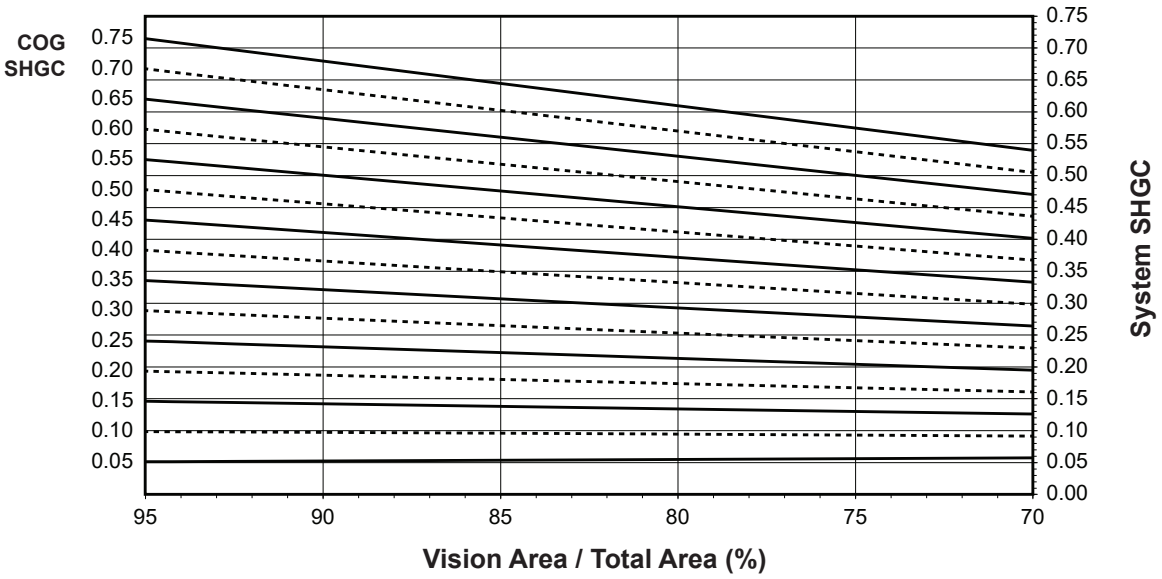
### System U-Factor for Vision Glass




**Notes for System U-Factor, SHGC and VT charts:**
For glass values that are not listed, linear interpolation is permitted.
Glass properties are based on center of glass values (winter conditions) and are obtained from your glass supplier.

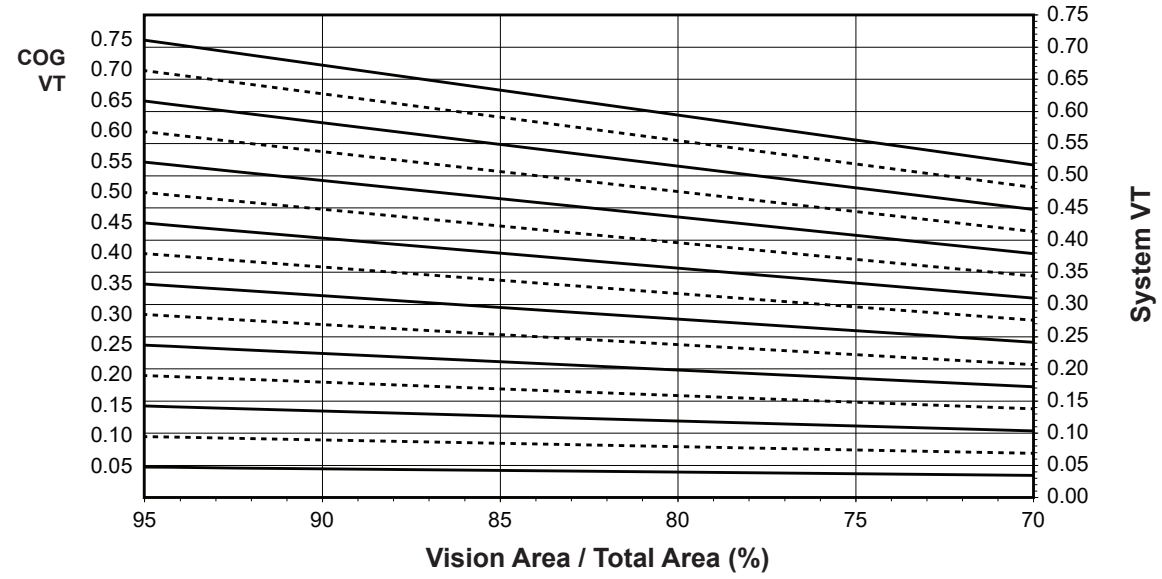
## Fiberglass Pressure Plate
## 1-3/4" Triple Glazed - Warm-Edge Glazing Spacer

### 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] |
|---|---|
| 0.31 | 0.34 |
| 0.30 | 0.33 |
| 0.28 | 0.31 |
| 0.26 | 0.30 |
| 0.24 | 0.28 |
| 0.22 | 0.26 |
| 0.20 | 0.24 |
| 0.18 | 0.22 |
| 0.16 | 0.20 |
| 0.14 | 0.19 |
| 0.12 | 0.17 |
| 0.10 | 0.15 |

## Fiberglass Pressure Plate
## 1-3/4" Triple Glazed
## Warm-Edge Glazing Spacer

**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 2,000 mm wide by 2,000 mm high (78-3/4" by 78-3/4").

## SHGC Matrix [2]

| Glass SHGC [3] | Overall SHGC [4] |
|---|---|
| 0.75 | 0.70 |
| 0.70 | 0.65 |
| 0.65 | 0.60 |
| 0.60 | 0.56 |
| 0.55 | 0.51 |
| 0.50 | 0.47 |
| 0.45 | 0.42 |
| 0.40 | 0.37 |
| 0.35 | 0.33 |
| 0.30 | 0.28 |
| 0.25 | 0.24 |
| 0.20 | 0.19 |
| 0.15 | 0.14 |
| 0.10 | 0.10 |
| 0.05 | 0.05 |

## Visible Transmittance [2]

| Glass VT [3] | Overall VT [4] |
|---|---|
| 0.75 | 0.69 |
| 0.70 | 0.65 |
| 0.65 | 0.60 |
| 0.60 | 0.55 |
| 0.55 | 0.51 |
| 0.50 | 0.46 |
| 0.45 | 0.41 |
| 0.40 | 0.37 |
| 0.35 | 0.32 |
| 0.30 | 0.28 |
| 0.25 | 0.23 |
| 0.20 | 0.18 |
| 0.15 | 0.14 |
| 0.10 | 0.09 |
| 0.05 | 0.05 |

## CONDENSATION RESISTANCE

| Glazing Infill | Pressure Plate Type | Condensation Resistance Factor (CRF) AAMA 1503 | | Temperature Index (TI) CSA A440-0 | |
|---|---|---|---|---|---|
| | | Frame | Glass | Frame | Glass |
| 1" Double | Aluminum | 81 | 73 | 75 | 67 |
| | Fiberglass | 80 | 73 | 75 | 67 |
| 1-3/4" Triple | Aluminum | 82 | 75 | 73 | 67 |