## Features

- 1600 SS is an outside glazed captured or SSG curtain wall system
- 1600 SS has 2-1/2" (63.5) sight lines
- Standard 6" (152.4) or 7-1/2" (190.5) depth systems
- Standard infill options 1/4" (6.4) and 1" (25.4), other infills available
- Thermally Broken by means of a continuous 1/4" (6.4) low conductance spacer
- A pre-glazed option, 1600 SS (Preglazed), is also available
- Perimeter seal can be installed at the pressure plate or mullion shoulder
- 1600 SS can be supplied fabricated and KD or in stock lengths
- Interlocking mullion design eliminates need for anti-buckling clips
- Concealed fastener joinery creates smooth, monolithic appearance
- EPDM gaskets and thermal break
- Screw spline joinery method allows shop assembly of ladder sections, reducing field labor
- Corners available with shear block fabrication method
- Offers integrated entrance framing systems
- Silicone compatible glazing materials for long-lasting seals
- Two color option
- Permanodic™ anodized finishes in seven choices
- Painted finishes in standard and custom choices

## Optional Features

- Captured system thermal separator can be pre-installed into pressure plate
- Fiberglass pressure plates available
- Captured and SSG systems with standard Kawneer windows and GLASSvent™ windows for curtain wall
- Captured system Integrates with standard Kawneer windows
- Deep and bullnose covers available
- Integrates with Versoleil™ SunShade Outrigger System and Horizontal or Vertical Single Blade System
- Profit$Maker™ Plus die sets available

## Product Applications

- Ideal for low to mid-rise applications where high performance is desired
- Most of the product assembly can be done in the shop rather than the field. This allows for better quality control and reduces expensive field labor.

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.

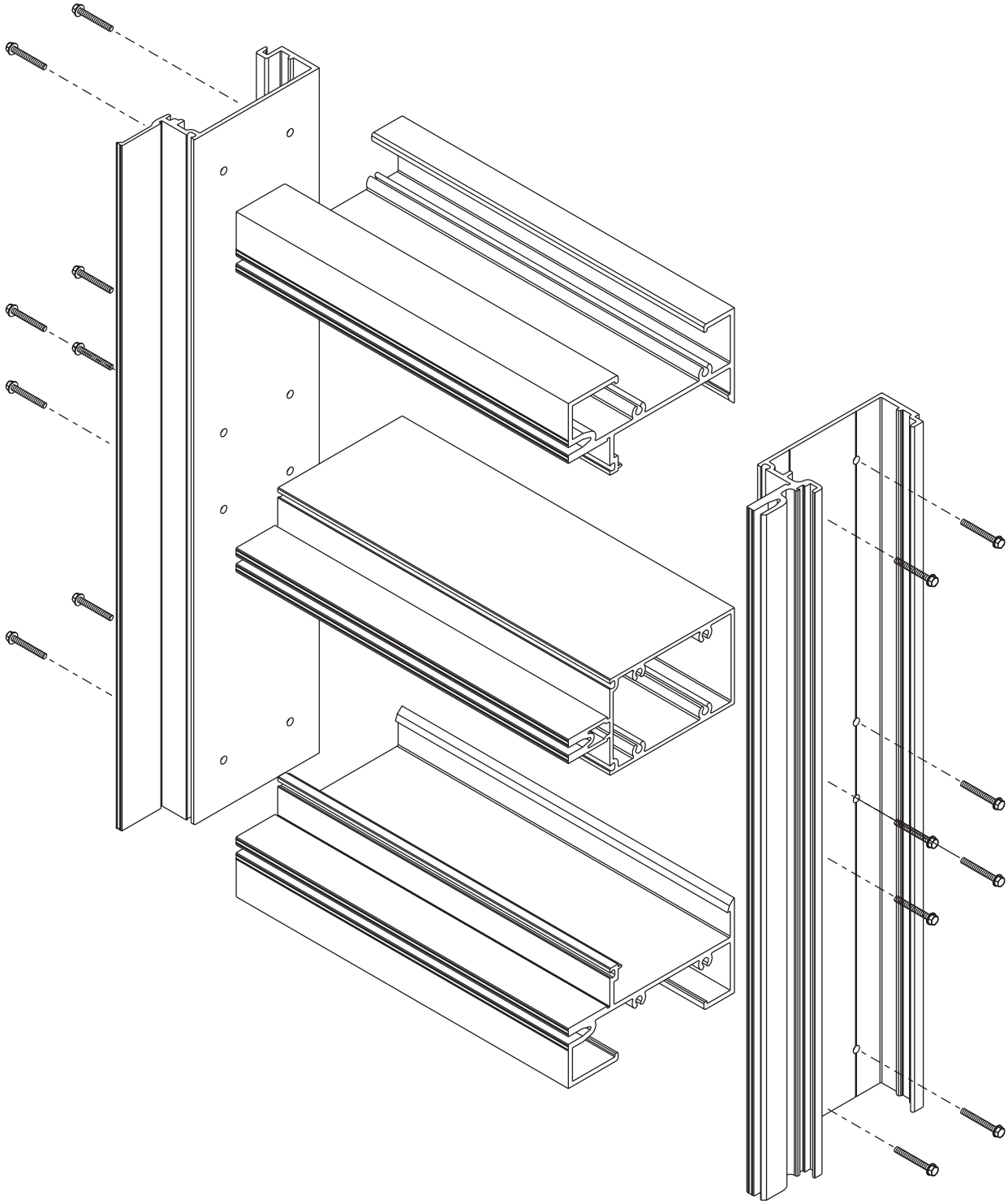
The following metric (SI ) units are found in these details:

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

# 1600 SS Curtain Wall System

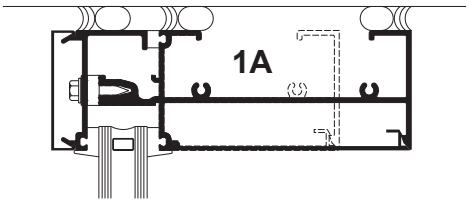


PICTORIAL VIEW

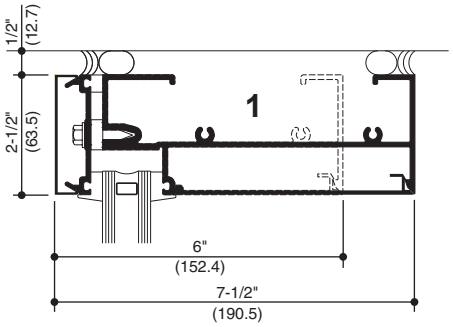


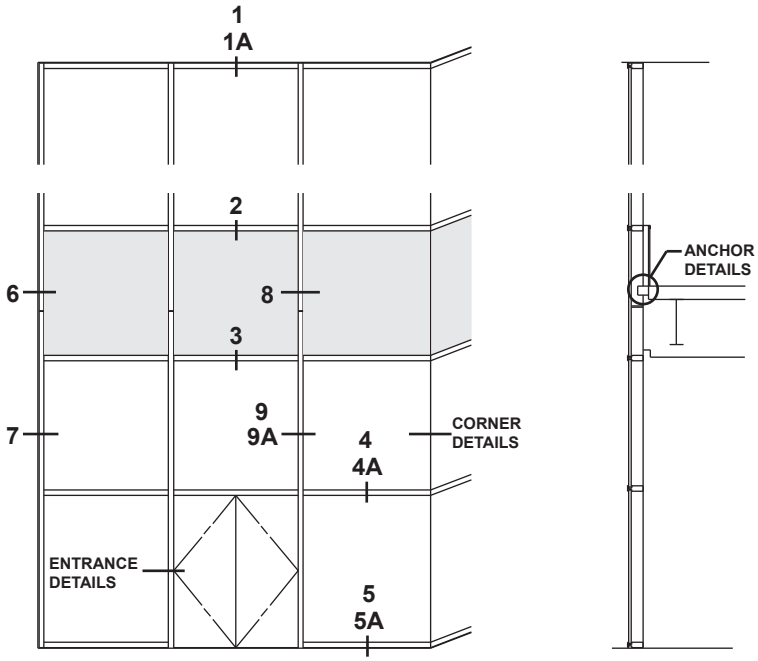
**Additional information and CAD details are available at www.kawneer.com**

**PERIMETER PRESSURE PLATE**

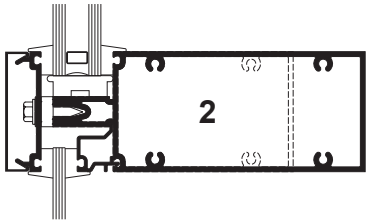


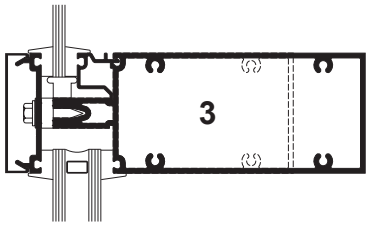

**PERIMETER MULLION**

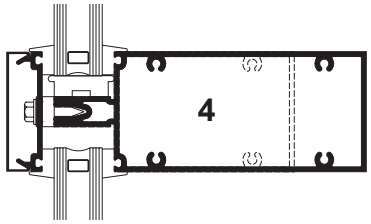


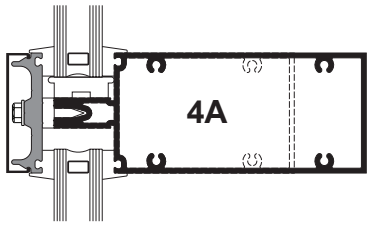

**ELEVATION IS NUMBER KEYED TO DETAILS**

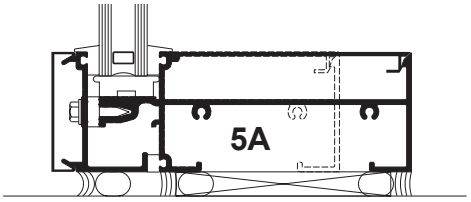


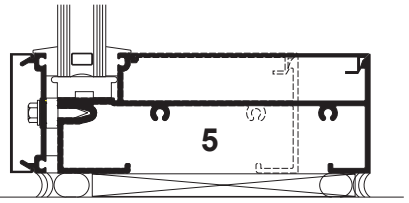




**OPTIONAL FIBERGLASS PRESSURE PLATE**




**PERIMETER PRESSURE PLATE**

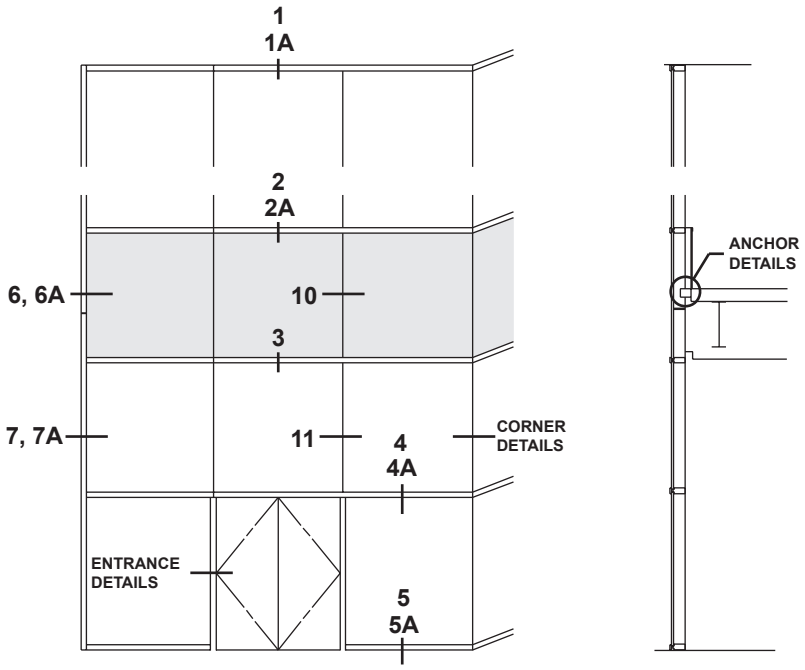



**PERIMETER MULLION**

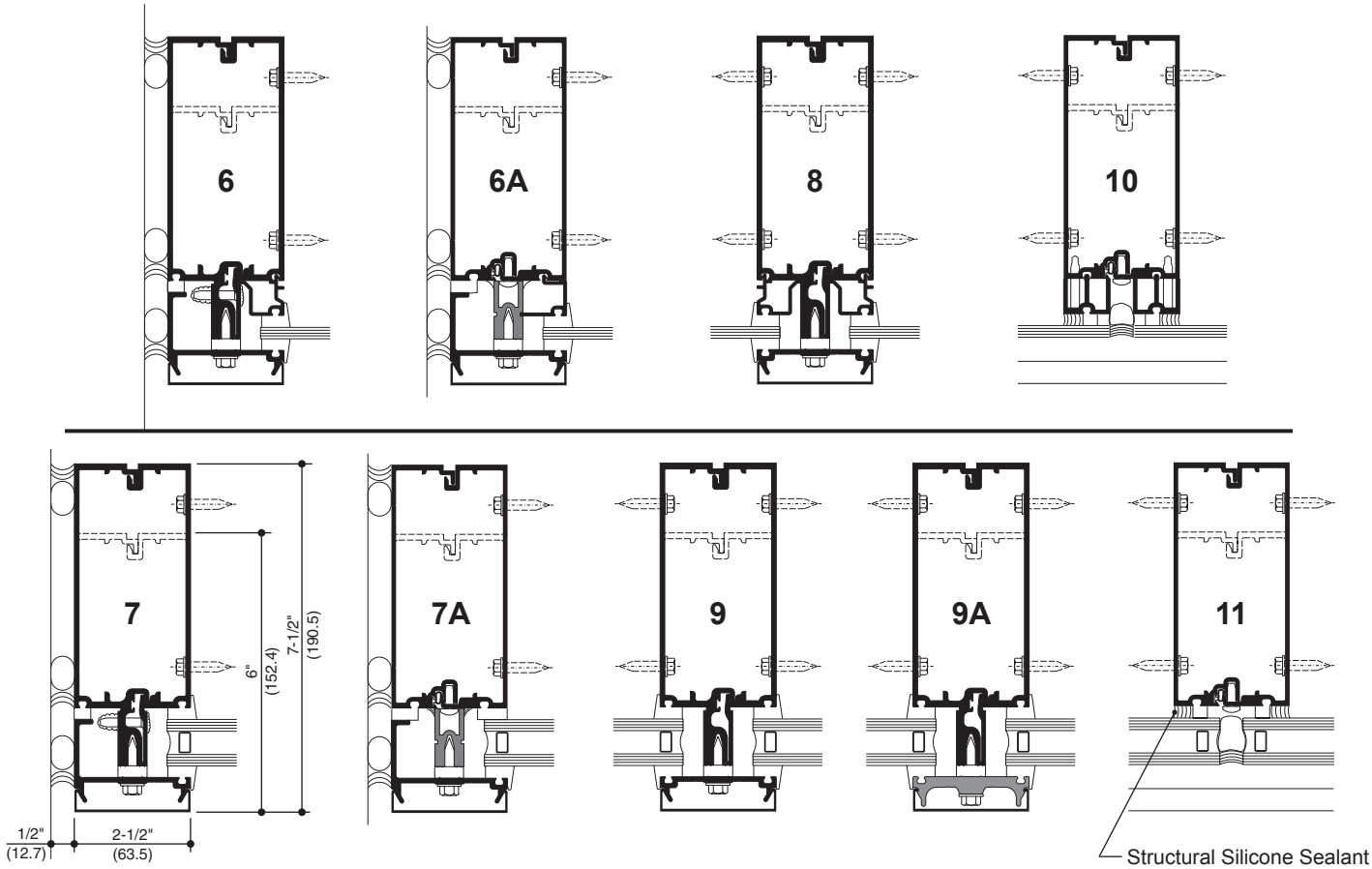
# 1600 SS Curtain Wall System



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



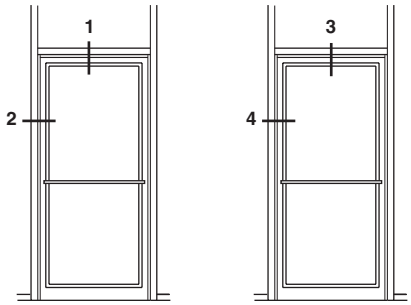

**ELEVATION IS NUMBER KEYED TO DETAILS**




**OPTIONAL FIBERGLASS PRESSURE PLATE**

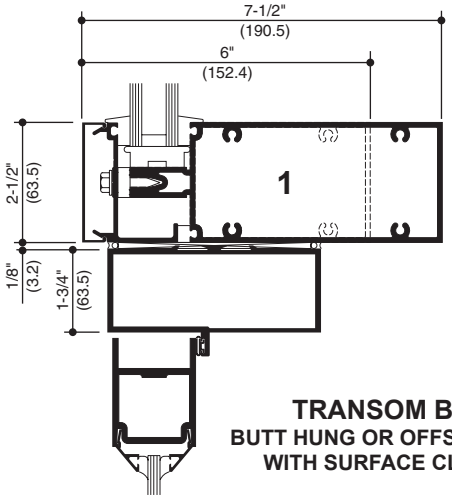
*** INSTALLER NOTE:** Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

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

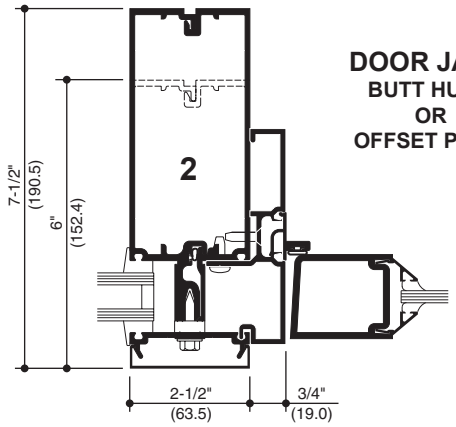



**B/H or O/P** **C/H**

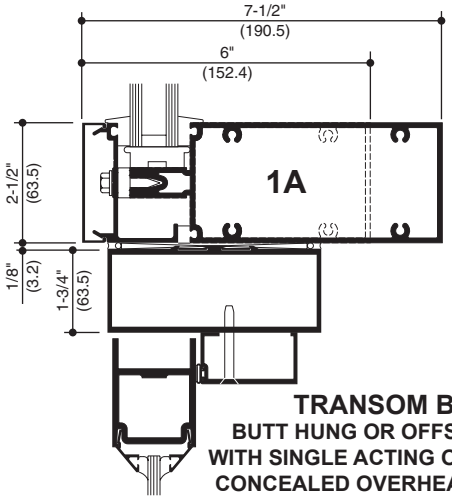
**ELEVATION IS NUMBER KEYED TO DETAILS**



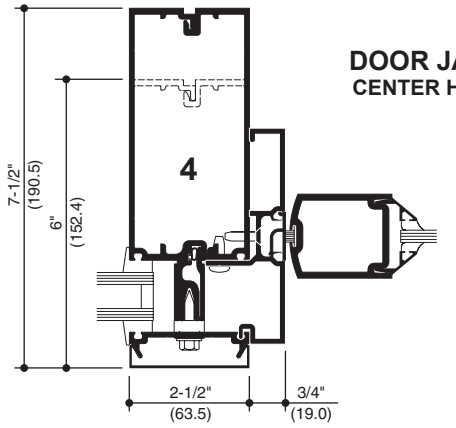

**TRANSOM BAR**
**BUTT HUNG OR OFFSET PIVOT**
**WITH SURFACE CLOSER**



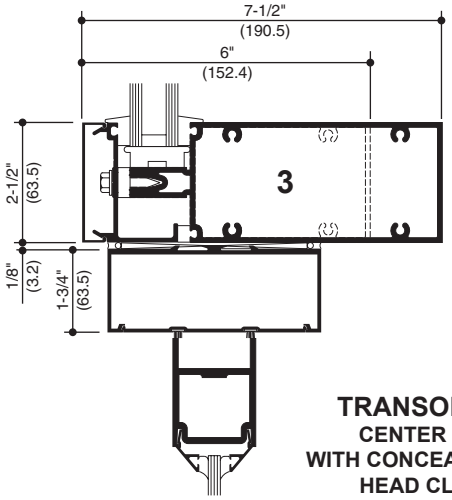

**DOOR JAMB**
**BUTT HUNG**
**OR**
**OFFSET PIVOT**




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

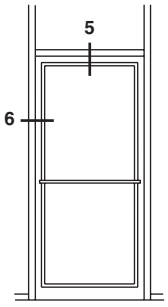



**DOOR JAMB**
**CENTER HUNG**



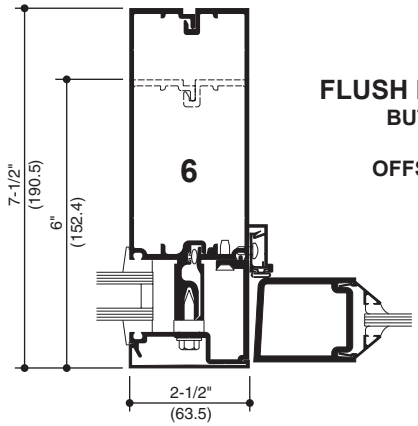

**TRANSOM BAR**
**CENTER HUNG**
**WITH CONCEALED OVER**
**HEAD CLOSER**

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

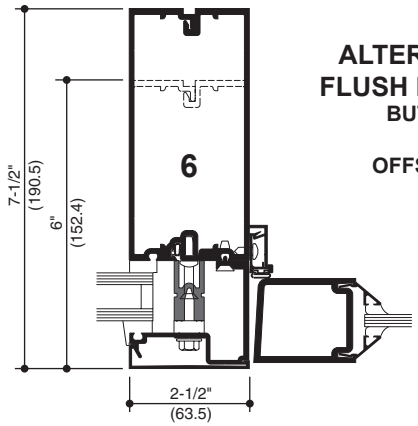



**B/H or O/P**

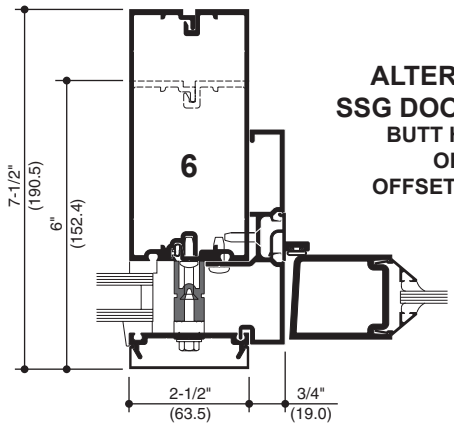
**ELEVATION IS NUMBER KEYED TO DETAILS**



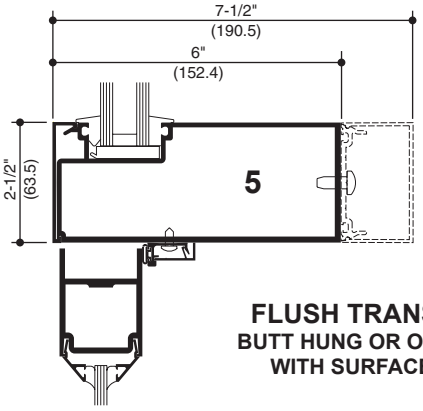

**FLUSH DOOR JAMB**
**BUTT HUNG**
**OR**
**OFFSET PIVOT**



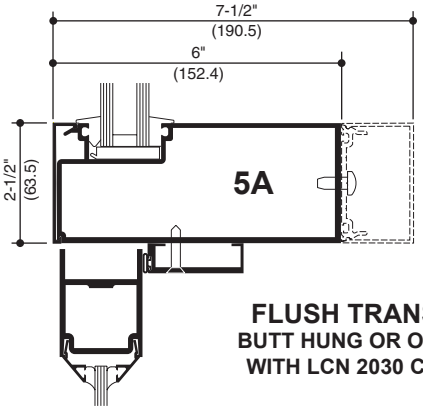

**ALTERNATE SSG**
**FLUSH DOOR JAMB**
**BUTT HUNG**
**OR**
**OFFSET PIVOT**



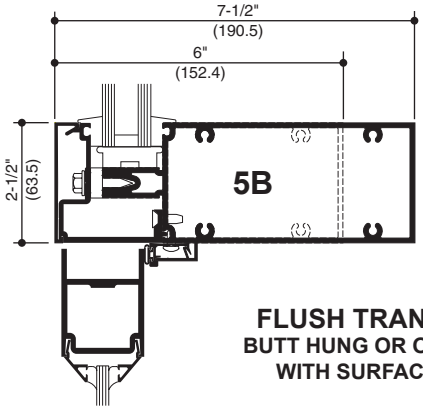

**ALTERNATE**
**SSG DOOR JAMB**
**BUTT HUNG**
**OR**
**OFFSET PIVOT**




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




**FLUSH TRANSOM BAR**
**BUTT HUNG OR OFFSET PIVOT**
**WITH LCN 2030 COC CLOSER**

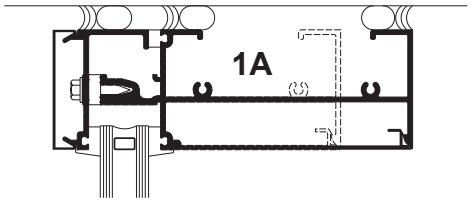


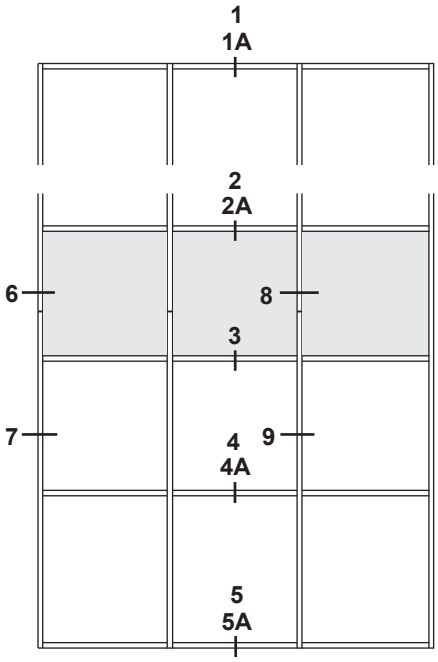

**FLUSH TRANSOM BAR**
**BUTT HUNG OR OFFSET PIVOT**
**WITH SURFACE CLOSER**

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

**NOTE: SEE PAGE 7 FOR VERTICAL MULLION DETAILS**

**PERIMETER PRESSURE PLATE**

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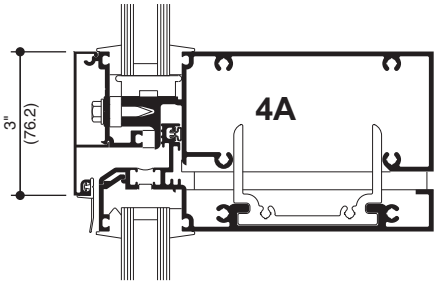
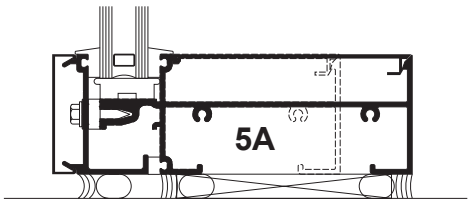
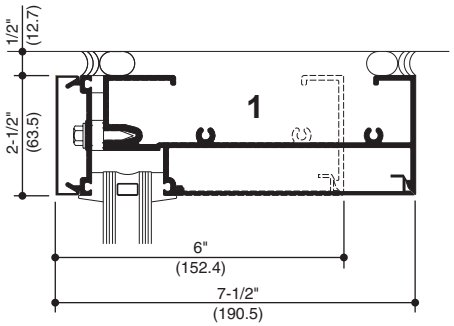
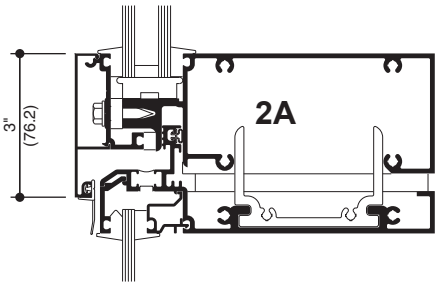


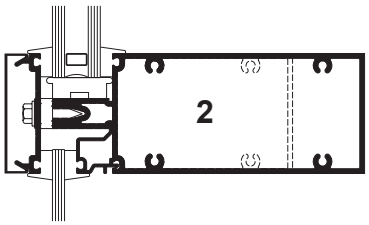



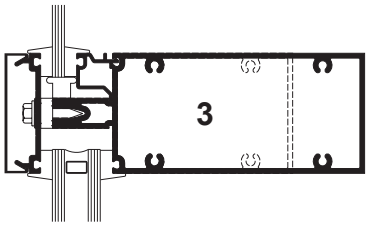

**PERIMETER PRESSURE PLATE**

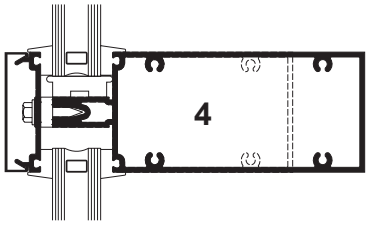
**PERIMETER MULLION**

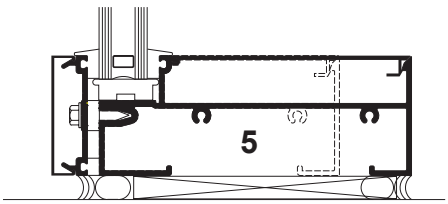


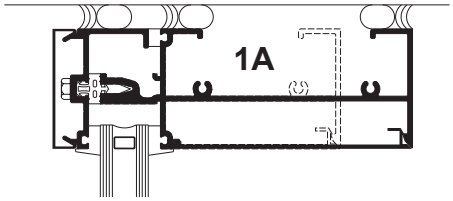



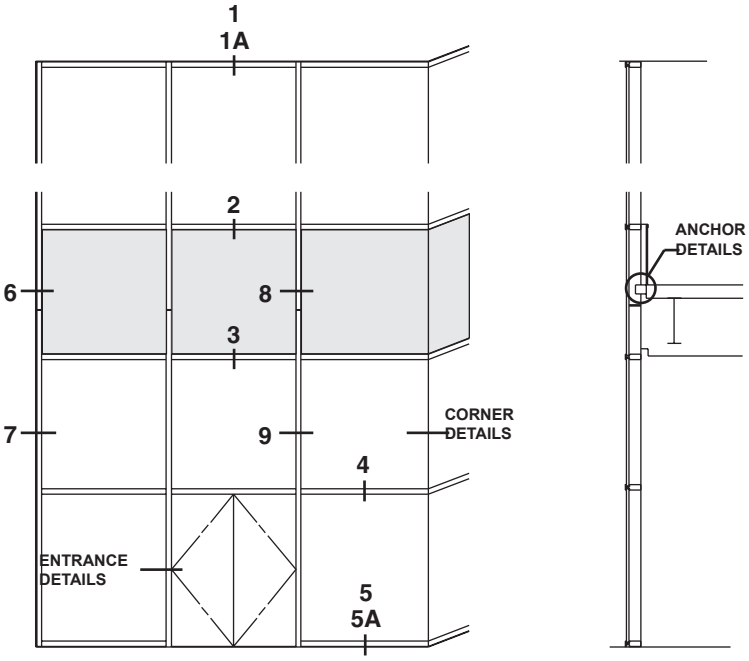

**PERIMETER MULLION**

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

**(RTS) - Reversed Thermal Separator**

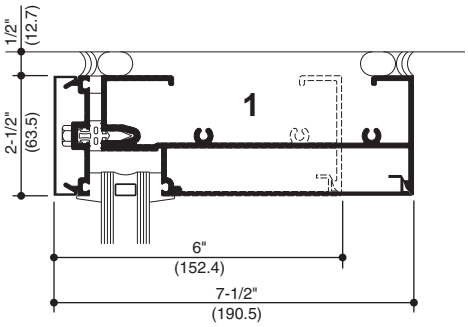
**PERIMETER PRESSURE PLATE**

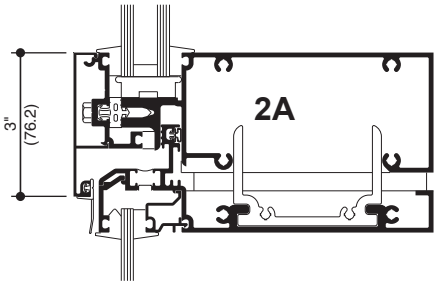


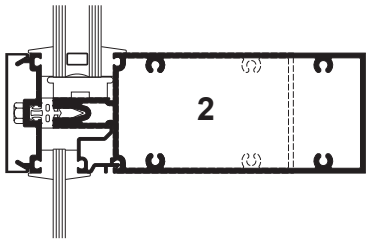



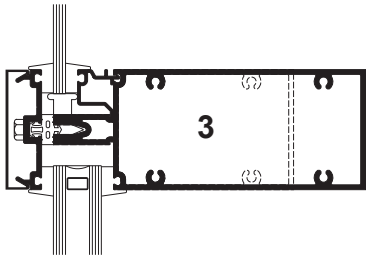

**ELEVATION IS NUMBER KEYED TO DETAILS**

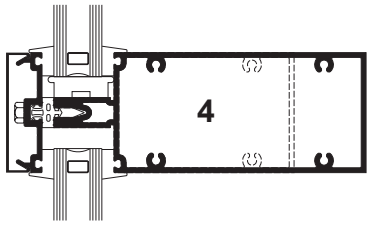
**PERIMETER MULLION**

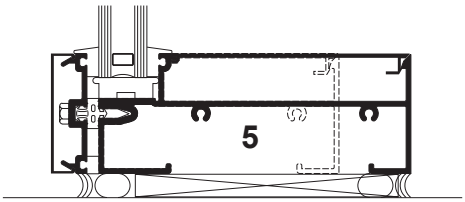


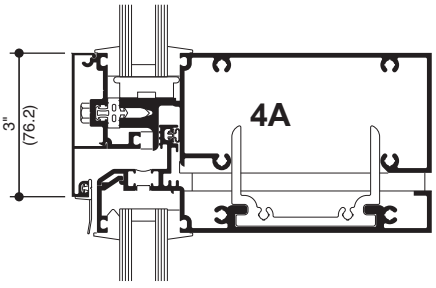



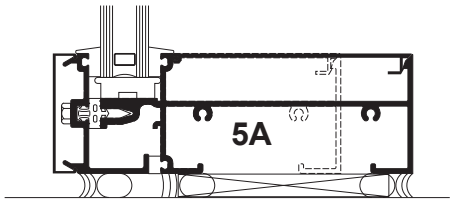



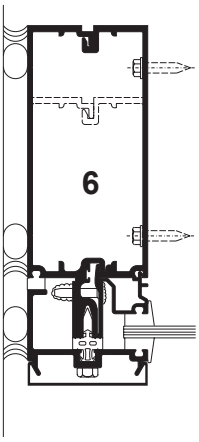



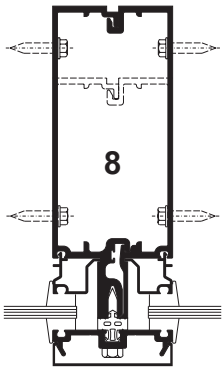

**PERIMETER PRESSURE PLATE**

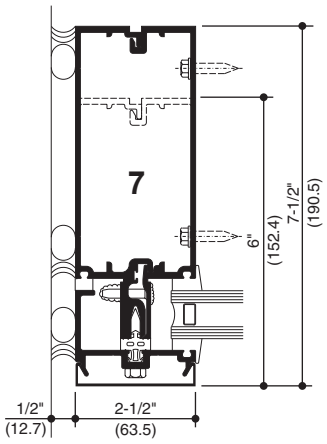
**PERIMETER MULLION**

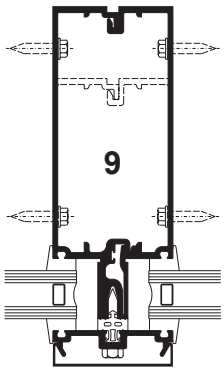
**Additional information and CAD details are available at www.kawneer.com**

**(RTS) - Reversed Thermal Separator**



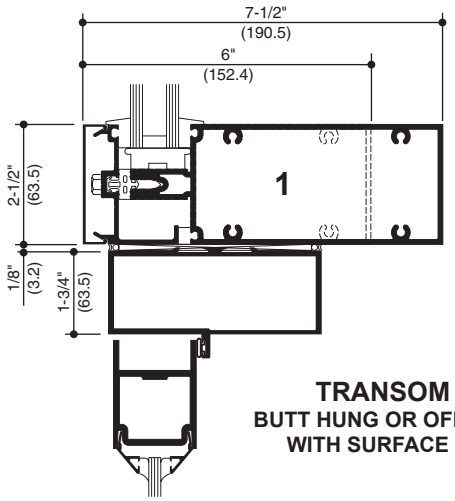



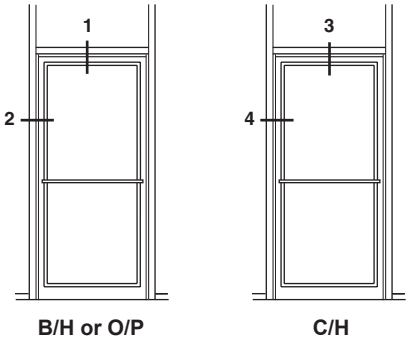



**Additional information and CAD details are available at www.kawneer.com**

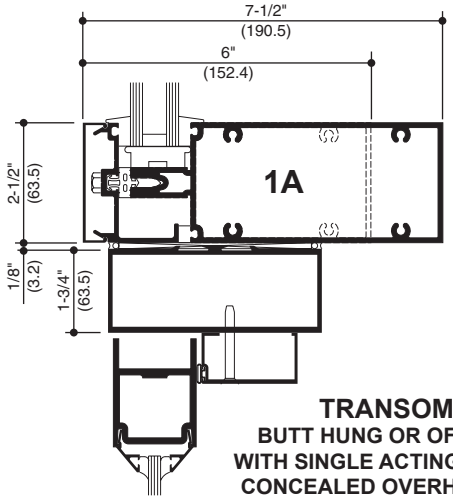
**(RTS) - Reversed Thermal Separator**



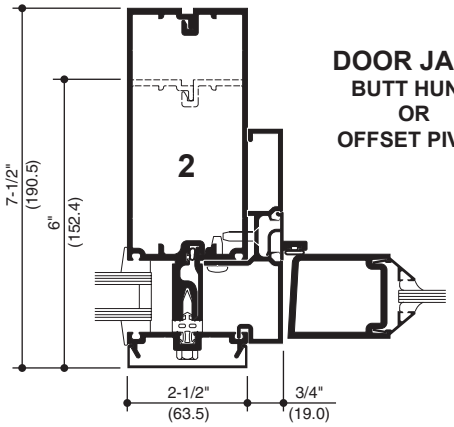

**TRANSOM BAR**
**BUTT HUNG OR OFFSET PIVOT**
**WITH SURFACE CLOSER**



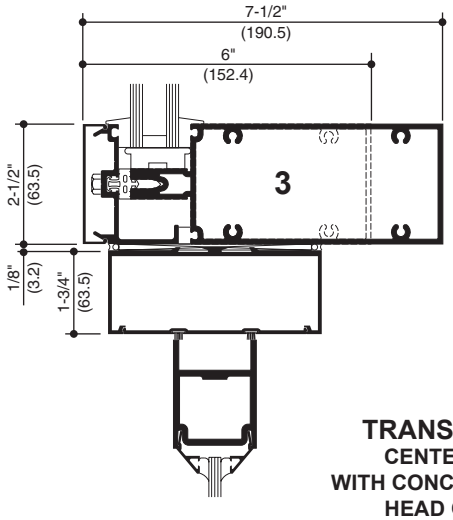

**(RTS) ENTRANCE ELEVATION**
**ELEVATION IS NUMBER KEYED TO DETAILS**



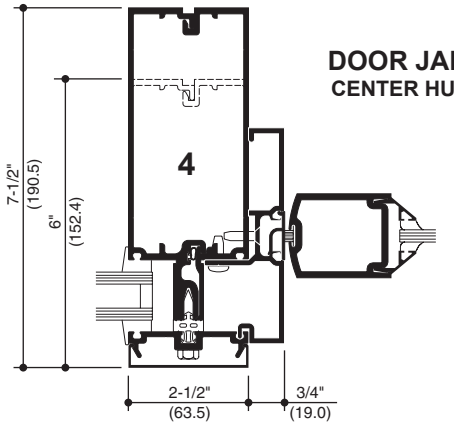

**TRANSOM BAR**
**BUTT HUNG OR OFFSET PIVOT**
**WITH SINGLE ACTING OFFSET ARM**
**CONCEALED OVERHEAD CLOSER**




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

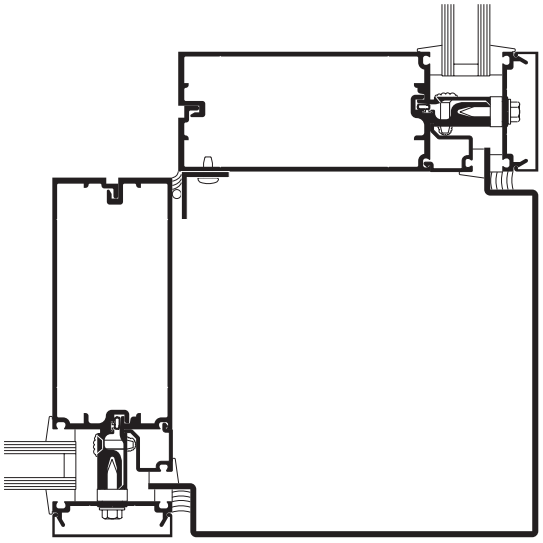



**TRANSOM BAR**
**CENTER HUNG**
**WITH CONCEALED OVER**
**HEAD CLOSER**

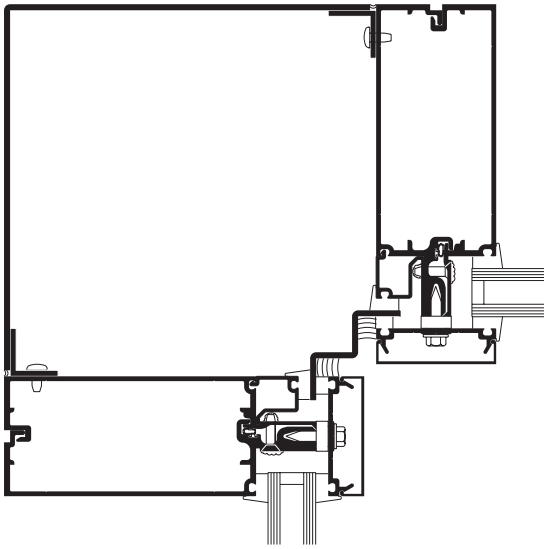



**DOOR JAMB**
**CENTER HUNG**

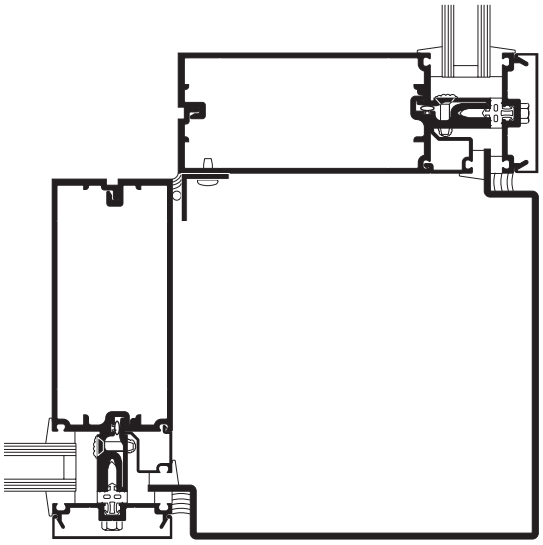
**Additional information and CAD details are available at www.kawneer.com**



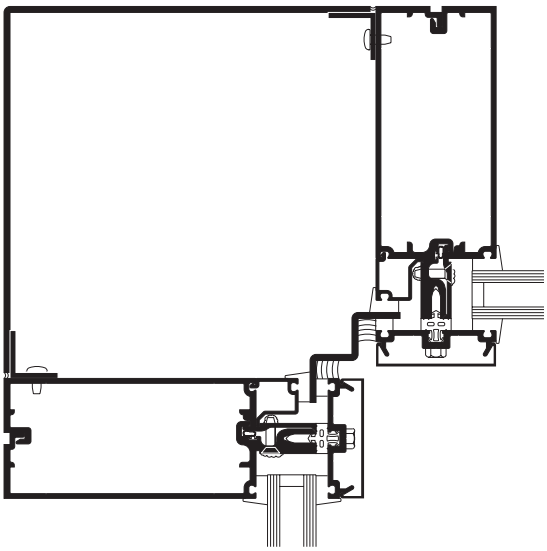
**90° OUTSIDE CORNER**



**90° INSIDE CORNER**

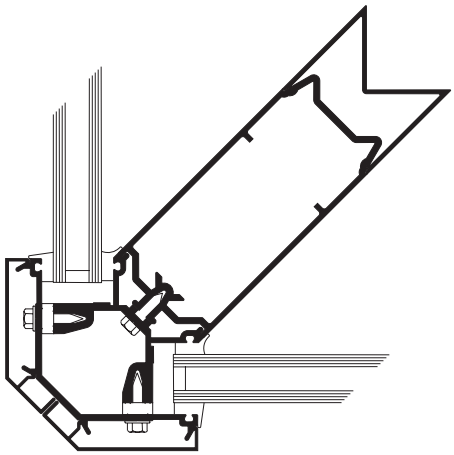


**90° OUTSIDE CORNER (RTS)**

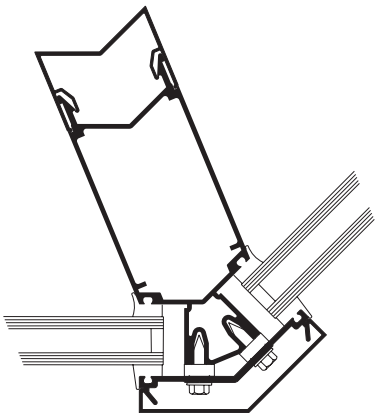


**90° INSIDE CORNER (RTS)**

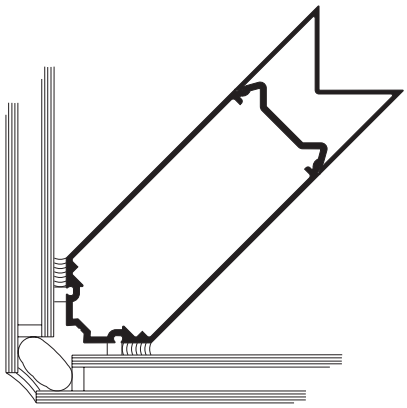
**Additional information and CAD details are available at www.kawneer.com**



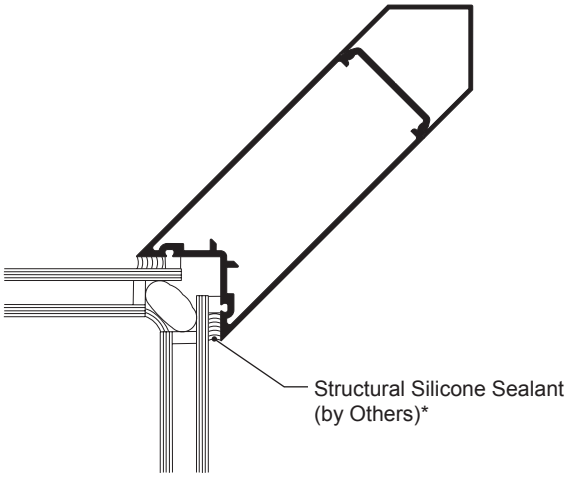
**90° OUTSIDE CORNER**



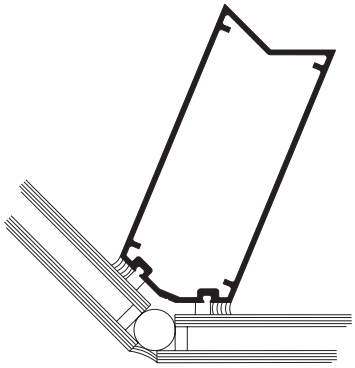
**135° OUTSIDE CORNER**



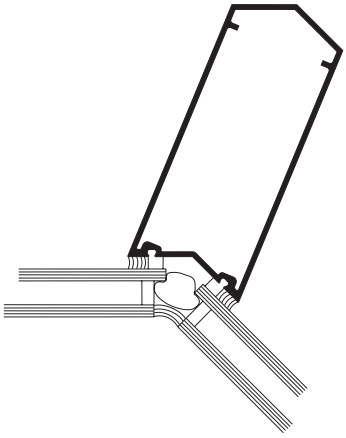
**90° OUTSIDE SSG CORNER**




**90° INSIDE SSG CORNER**



**135° OUTSIDE SSG CORNER**

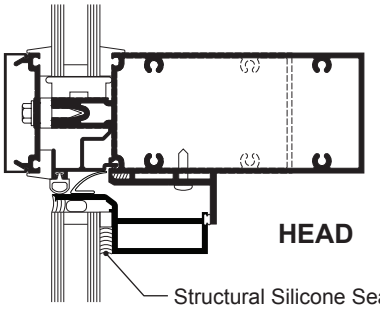


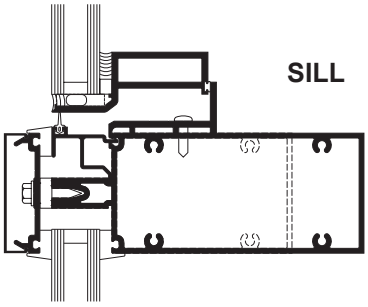
**135° INSIDE SSG CORNER**

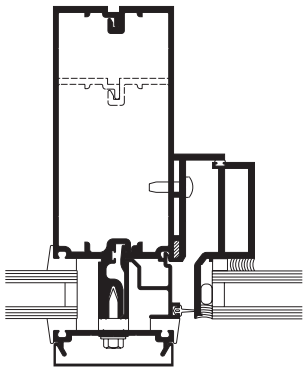
*** INSTALLER NOTE:** Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

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

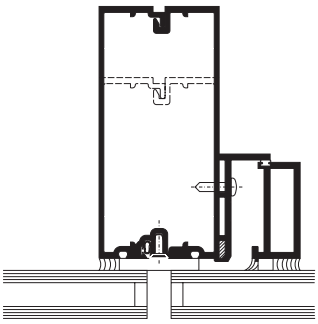
## GLASSvent™ WINDOWS FOR CURTAIN WALL



**JAMB AT CAPTURED MULLION**

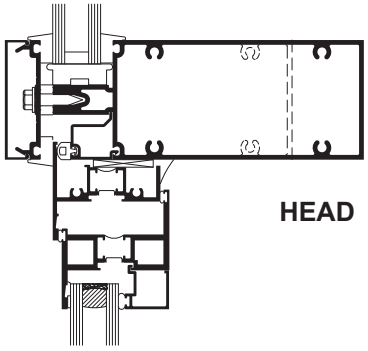


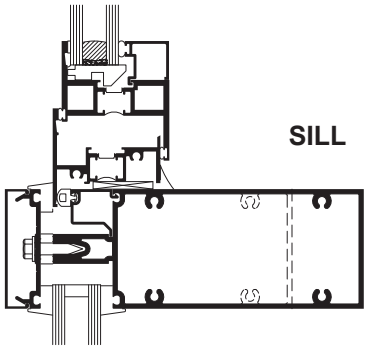
**JAMB AT SSG MULLION**

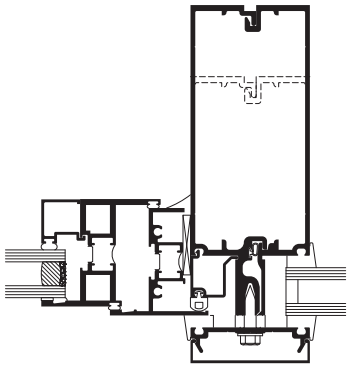
*** INSTALLER NOTE:** Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

## 8225TL THERMAL WINDOWS

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

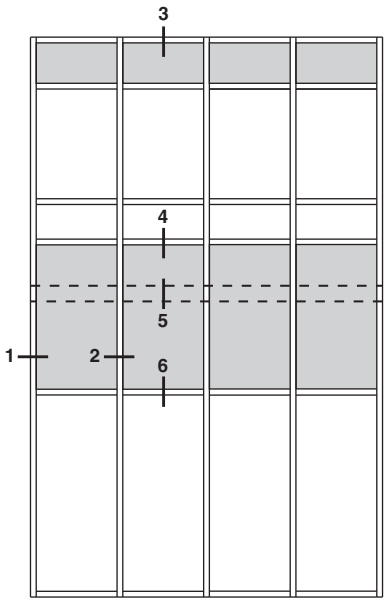


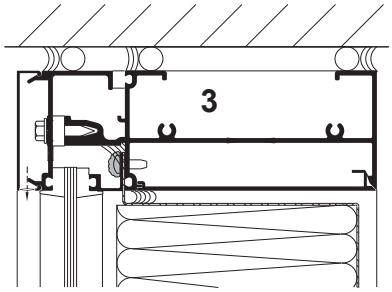
**JAMB**

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

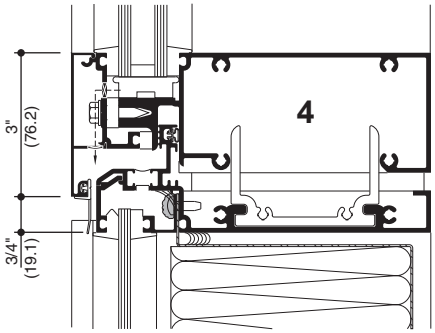



**ELEVATION IS NUMBER KEYED TO DETAILS**

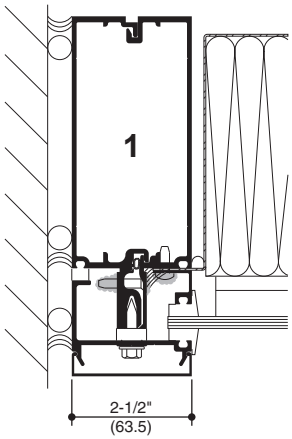
NOTE: 7-1/2" SYSTEM SHOWN, 6" SYSTEM SIMILAR



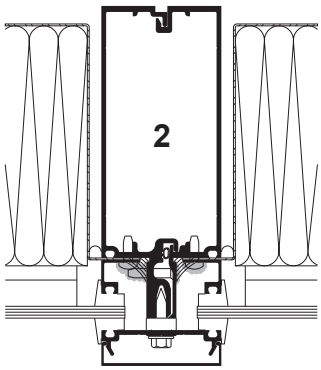

**HEAD**



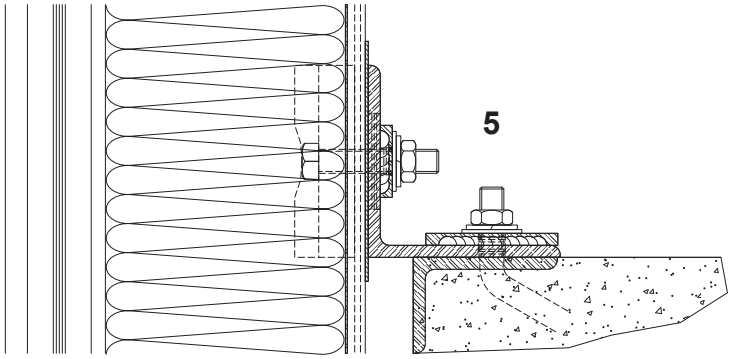

**EXPANSION JOINT**



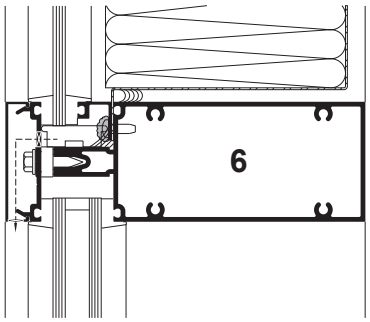

**JAMB MULLION AT SPANDREL**




**MULLION AT SPANDREL**

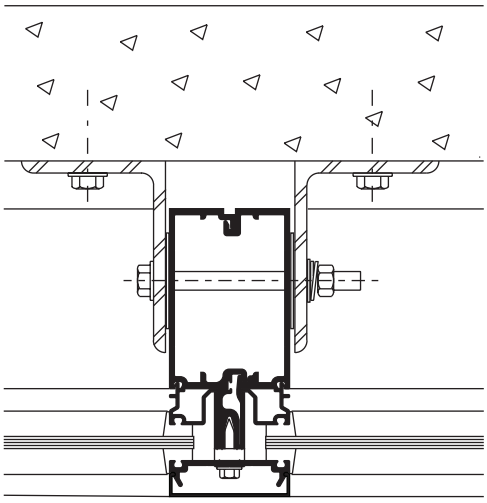



**TYPICAL DEADLOAD ANCHOR**

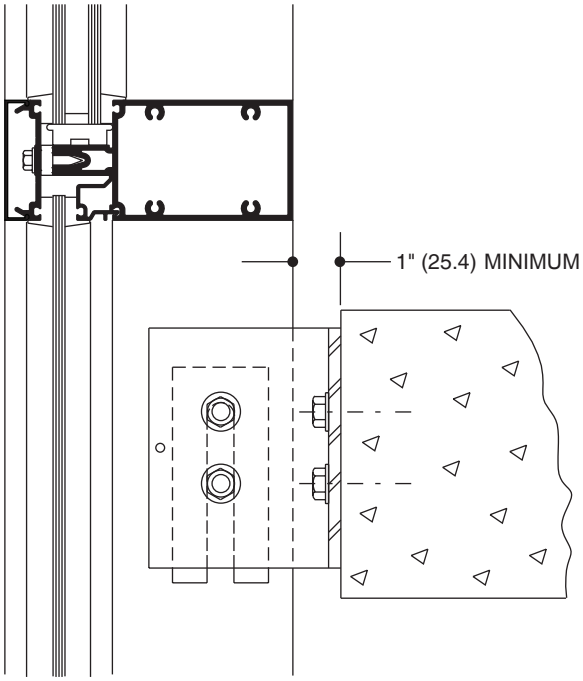


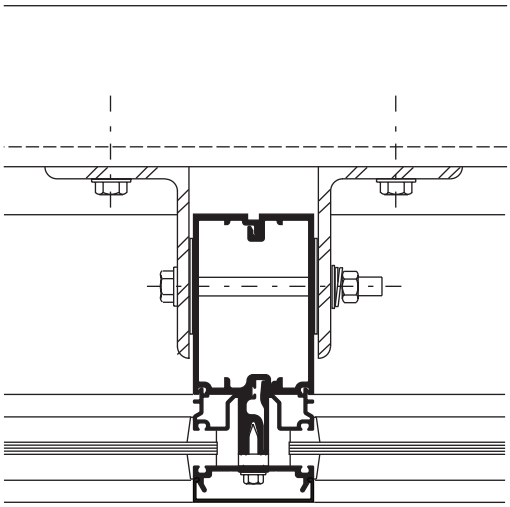

**TRANSOM – SPANDREL OVER VISION**

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

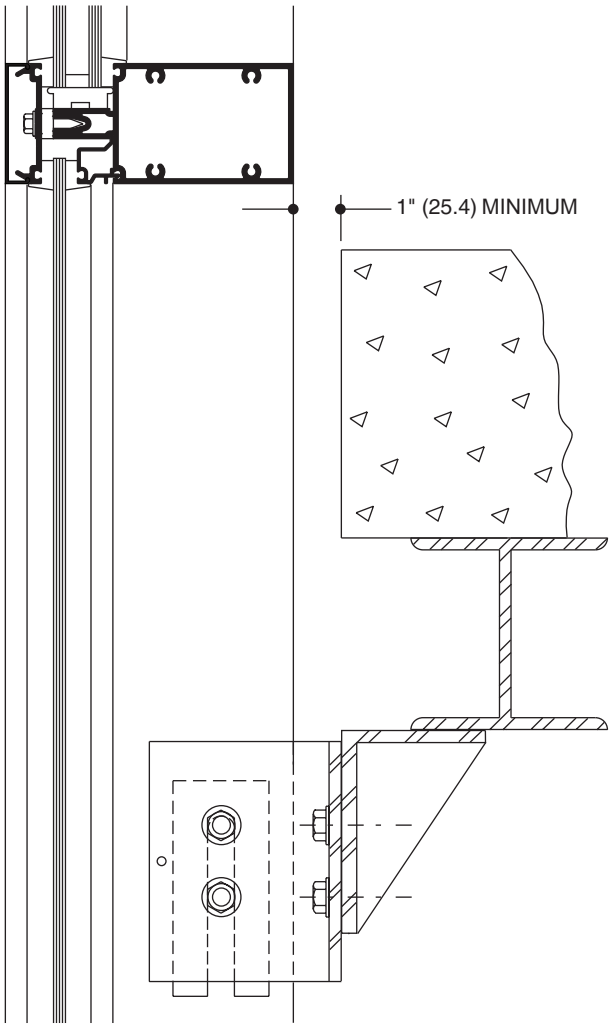


**ANCHORING TO FLOOR SLAB**

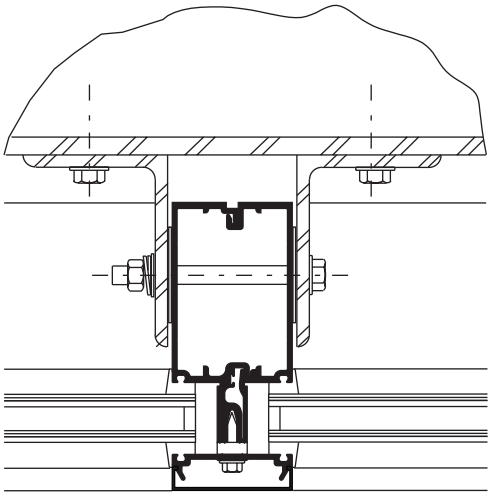


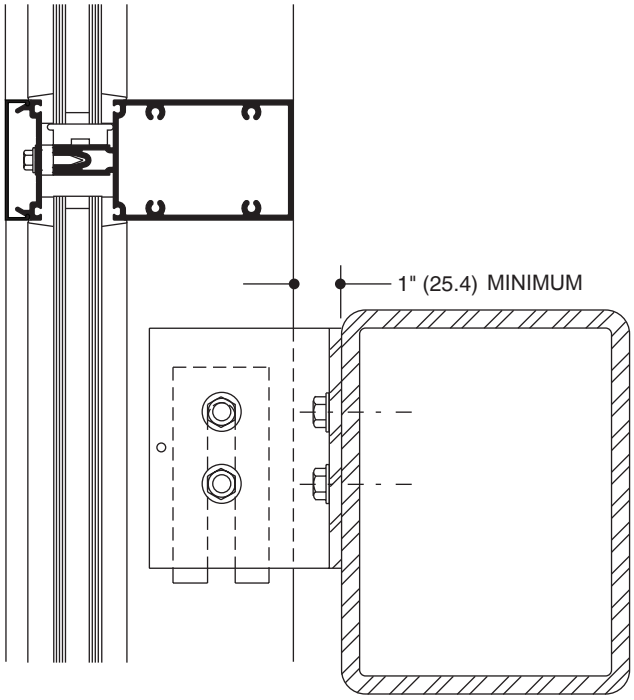
**ANCHORING TO SUPPORT STEEL**

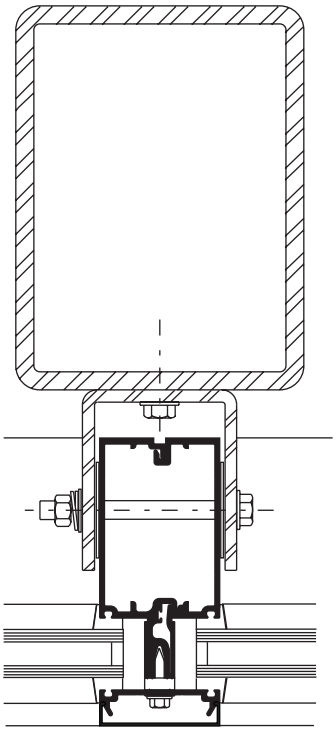


Actual project conditions will determine specific anchor design. Details on this page are for reference only.

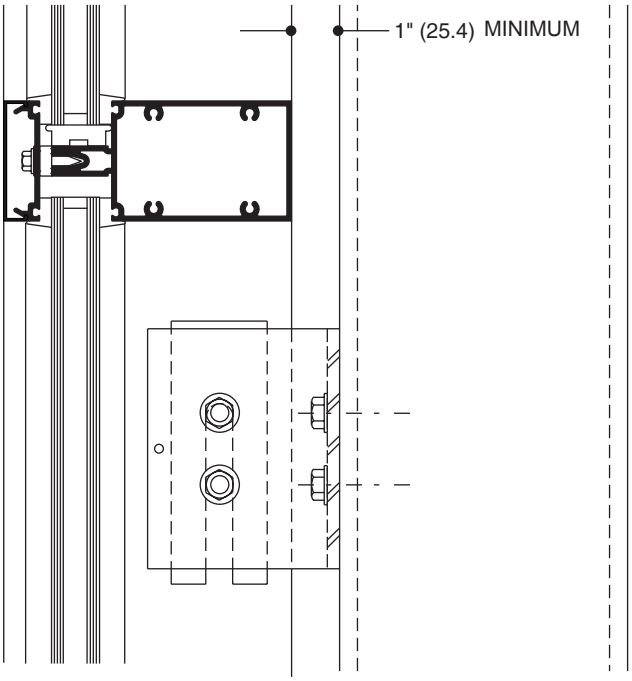


**ANCHORING TO HORIZONTAL STRUCTURAL STEEL**



**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 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.

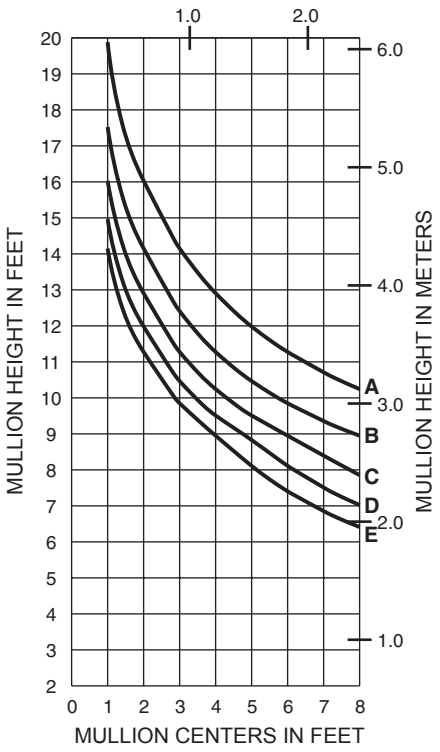
## DEADLOAD CHARTS

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.

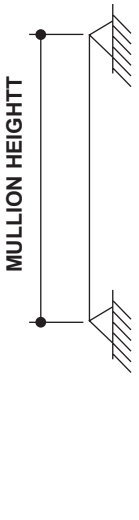
# 1600 SS Curtain Wall System

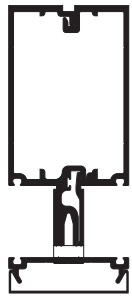


## SINGLE SPAN

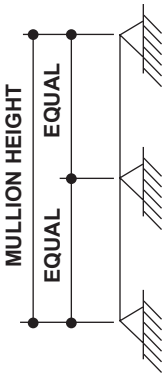



| | Allowable Stress Design Load | LRFD Ultimate Design Load |
|---|---|---|
| A = | 20 PSF (960) | 33 PSF (1580) |
| B = | 30 PSF (1440) | 50 PSF (2400) |
| C = | 40 PSF (1920) | 67 PSF (3200) |
| D = | 50 PSF (2400) | 83 PSF (4000) |
| E = | 60 PSF (2880) | 100 PSF (4790) |

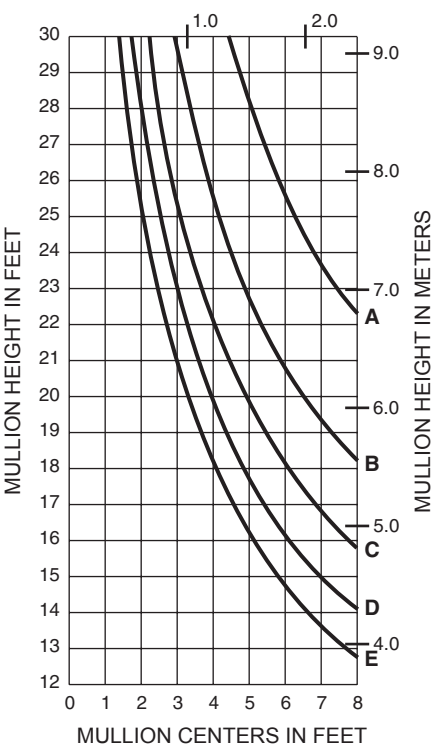


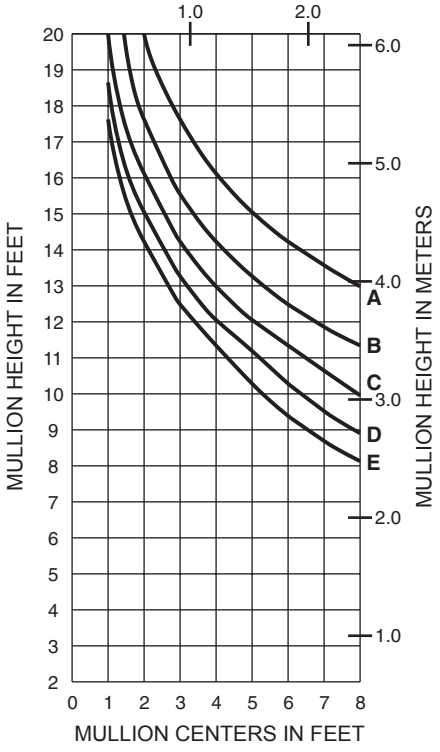
**169001 169002**
I = 5.652 (235.25 x $10^4$)
S = 1.954 (32.02 x $10^3$)

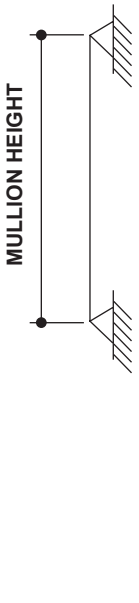


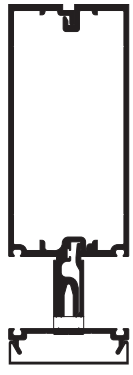

## TWIN SPAN



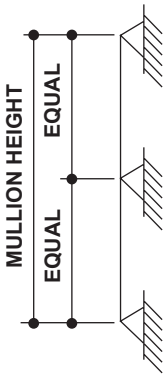

## SINGLE SPAN



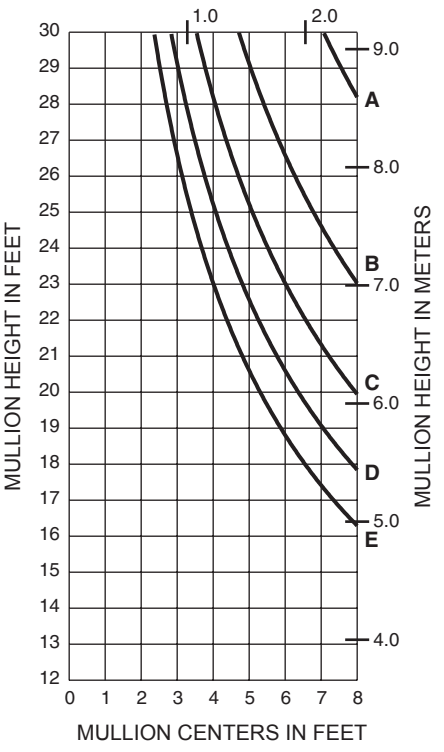



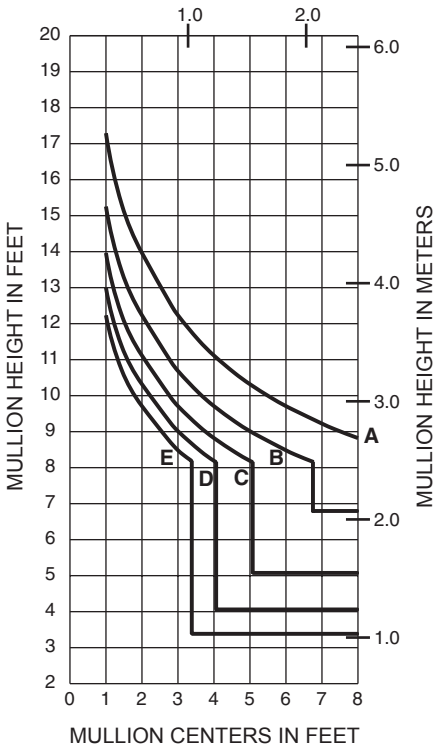
**169003 169004**
I = 11.512 (479.16 x $10^4$)
S = 3.141 (51.47 x $10^3$)



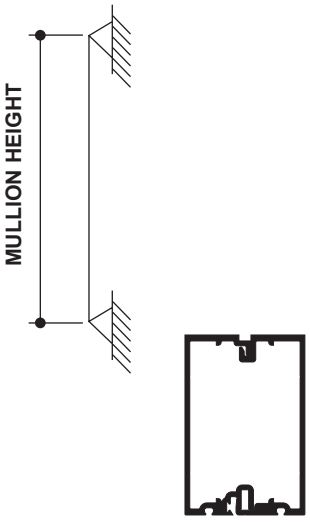

## TWIN SPAN

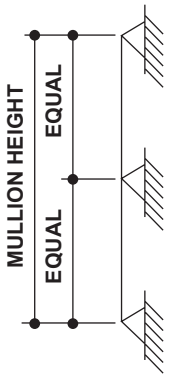


## SINGLE SPAN




| | 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) |



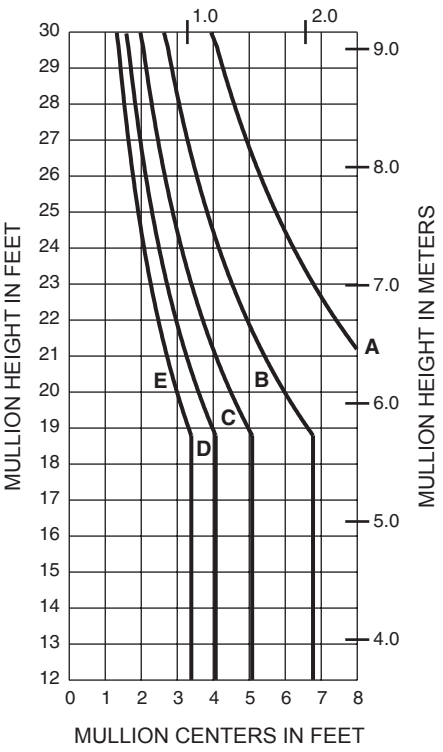



**169005 169006**

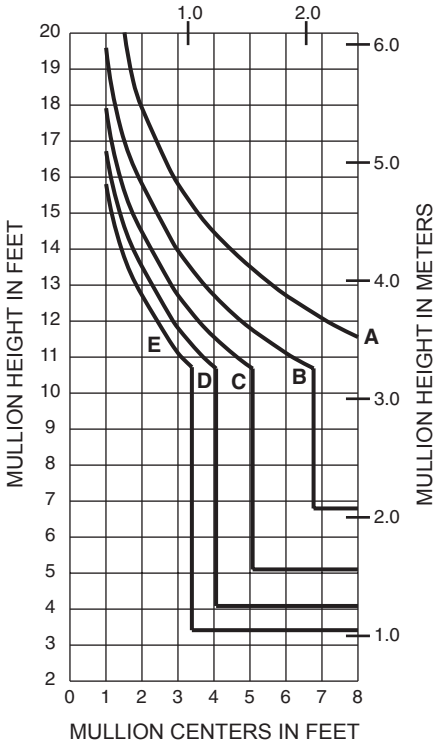
I = 3.609 (150.22 x $10^4$)

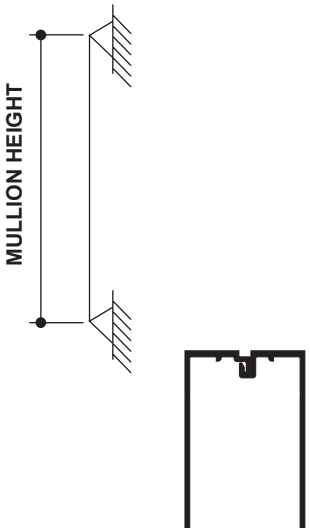
S = 1.773 (29.05 x $10^3$)

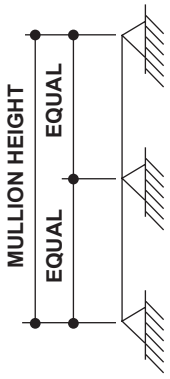
## TWIN SPAN

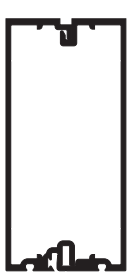



## SINGLE SPAN



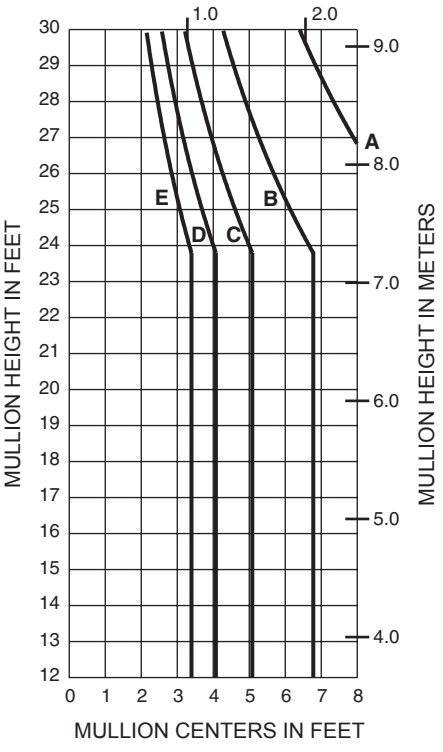



**169007 169008**

I = 8.065 (335.69 x $10^4$)

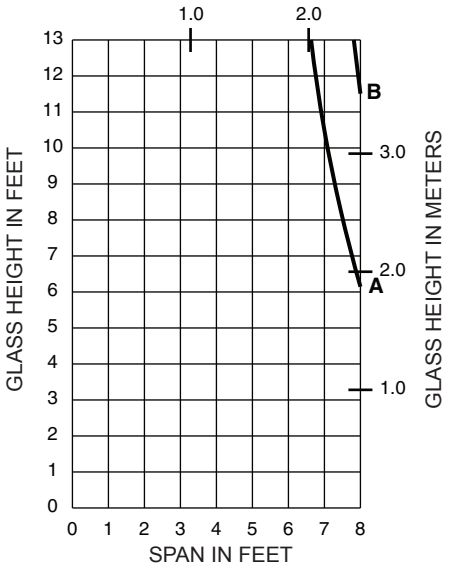
S = 2.842 (46.57 x $10^3$)

## TWIN SPAN

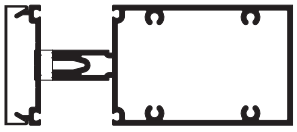


## (1/4" INFILL)

SPAN IN METERS




**A = 1/4 POINT LOADING**
**B = 1/8 POINT LOADING**

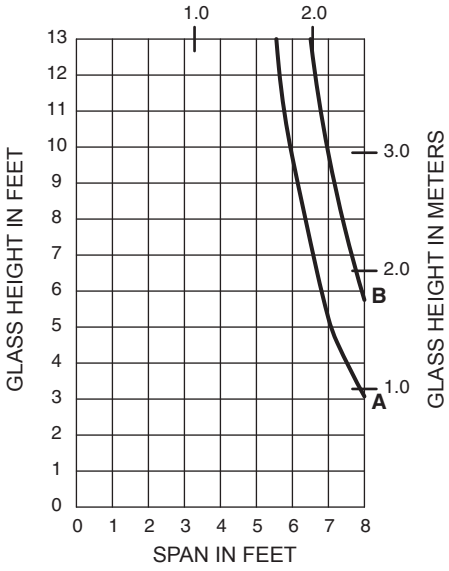


**169014**

I = 1.620 (67.43 x $10^4$)
S = 1.296 (21.24 x $10^3$)

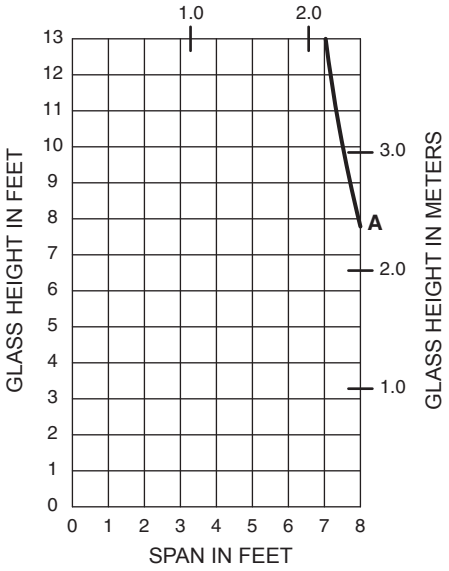
## (1" INFILL)

SPAN IN METERS

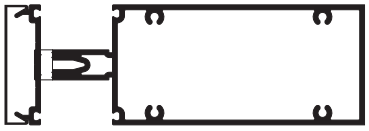



## (1/4" INFILL)

SPAN IN METERS




**A = 1/4 POINT LOADING**
**B = 1/8 POINT LOADING**

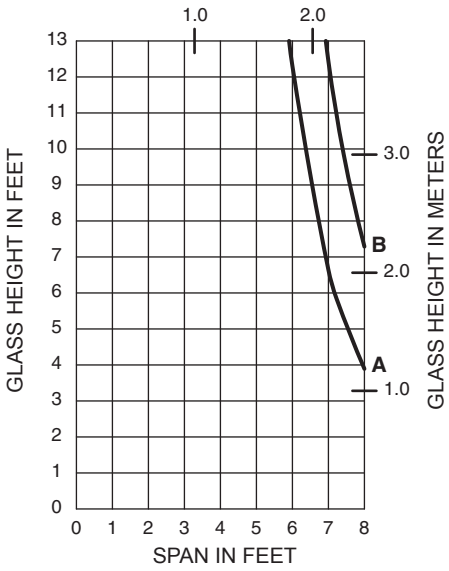


**169017**

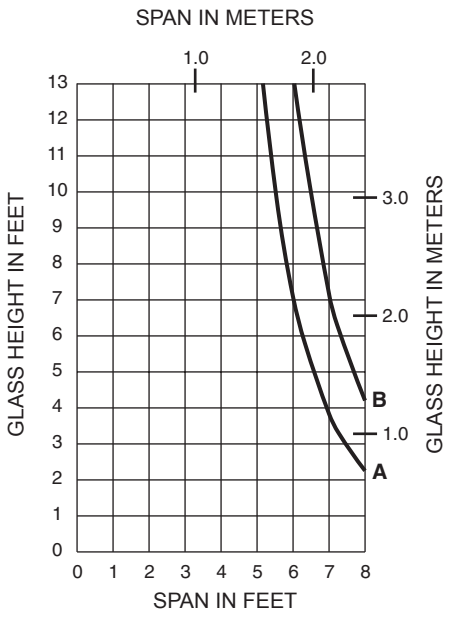
I = 2.052 (85.41 x $10^4$)
S = 1.642 (26.91 x $10^3$)

## (1" INFILL)

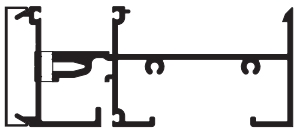
SPAN IN METERS



## (1/4" INFILL)



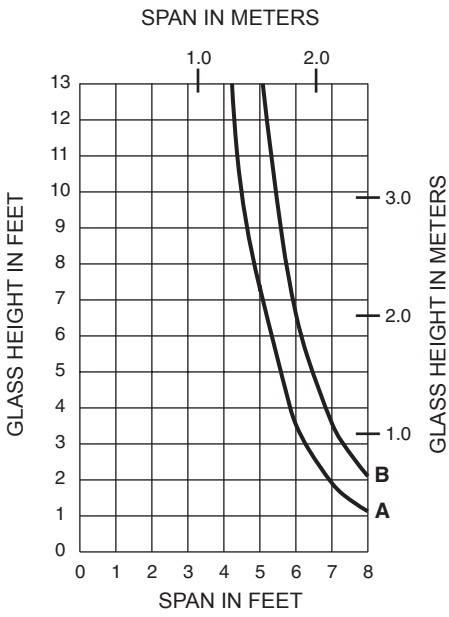

**A = 1/4 POINT LOADING**
**B = 1/8 POINT LOADING**



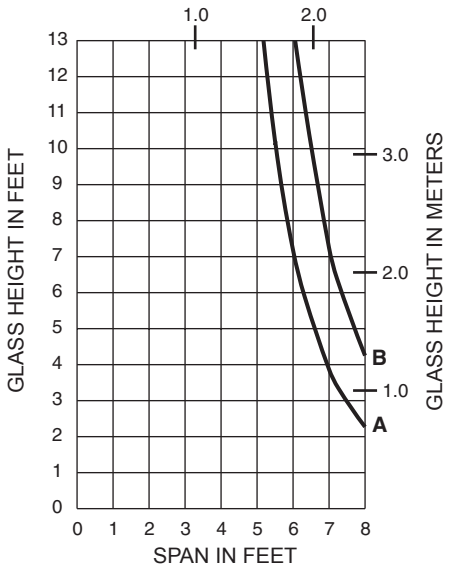
**169016**

I = 0.589 (24.52 x $10^4$)
S = 0.456 (7.47 x $10^3$)

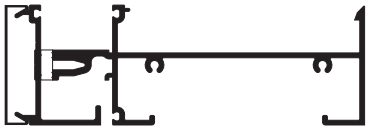
## (1" INFILL)




## (1/4" INFILL)



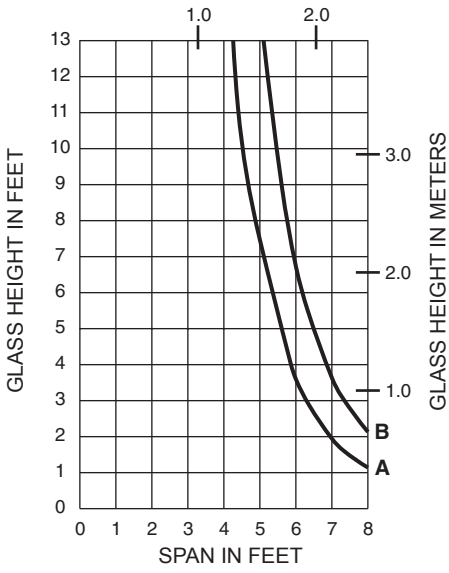

**A = 1/4 POINT LOADING**
**B = 1/8 POINT LOADING**



**169019**

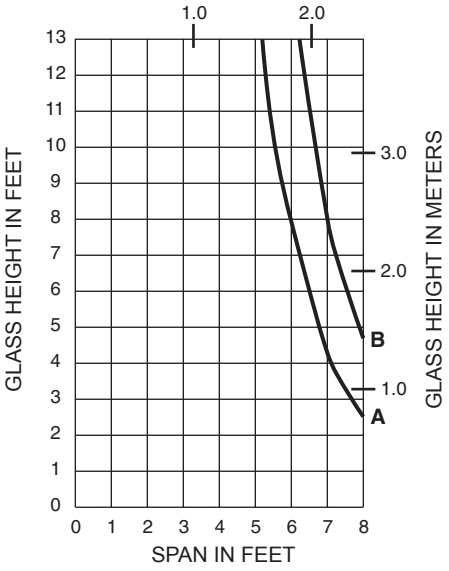
I = 0.598 (24.89 x $10^4$)
S = 0.470 (7.70 x $10^3$)

## (1" INFILL)

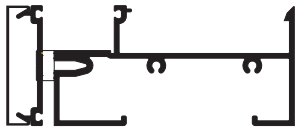


## (1/4" INFILL)

SPAN IN METERS




**A = 1/4 POINT LOADING**
**B = 1/8 POINT LOADING**

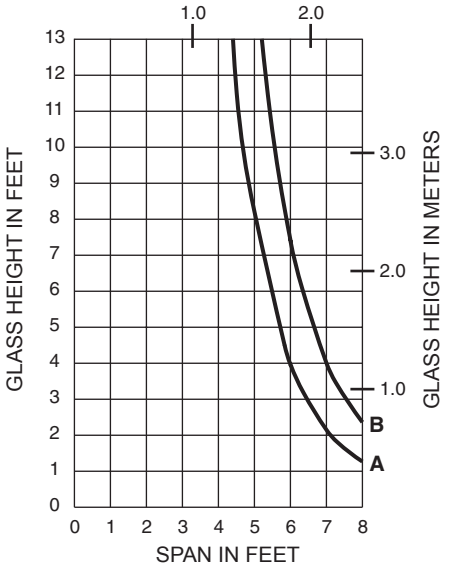


**169015**

I = 0.659 (27.43 x $10^4$)
S = 0.496 (8.13 x $10^3$)

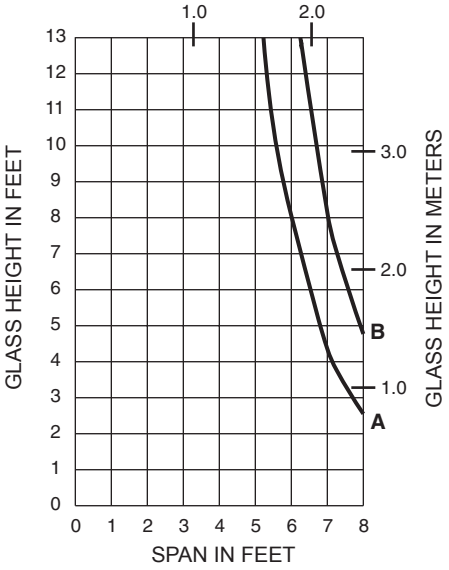
## (1" INFILL)

SPAN IN METERS

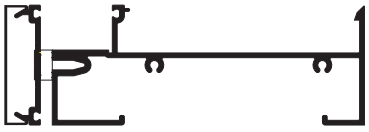



## (1/4" INFILL)

SPAN IN METERS




**A = 1/4 POINT LOADING**
**B = 1/8 POINT LOADING**

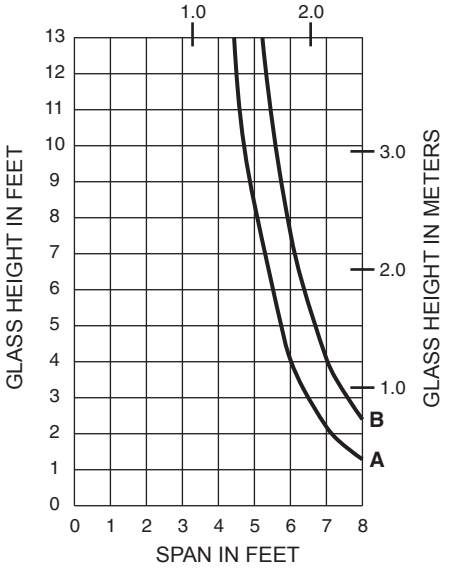


**169018**

I = 0.671 (27.93 x $10^4$)
S = 0.514 (8.42 x $10^3$)

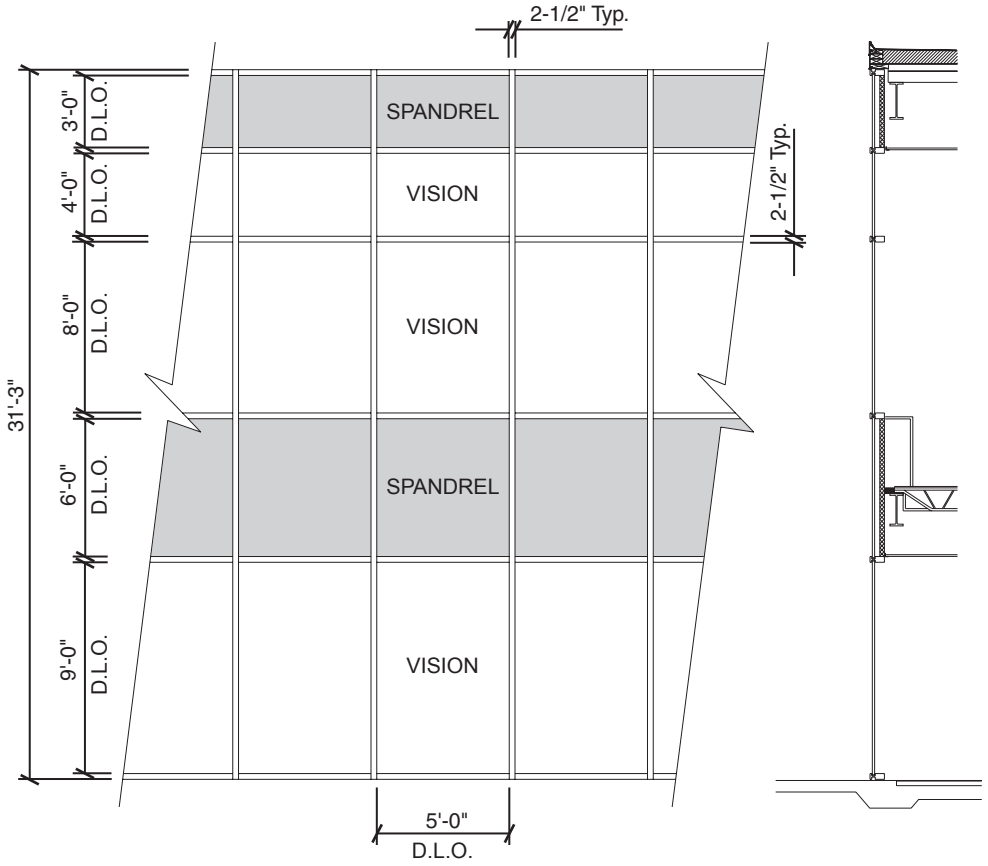
## (1" INFILL)

SPAN IN METERS



## 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)



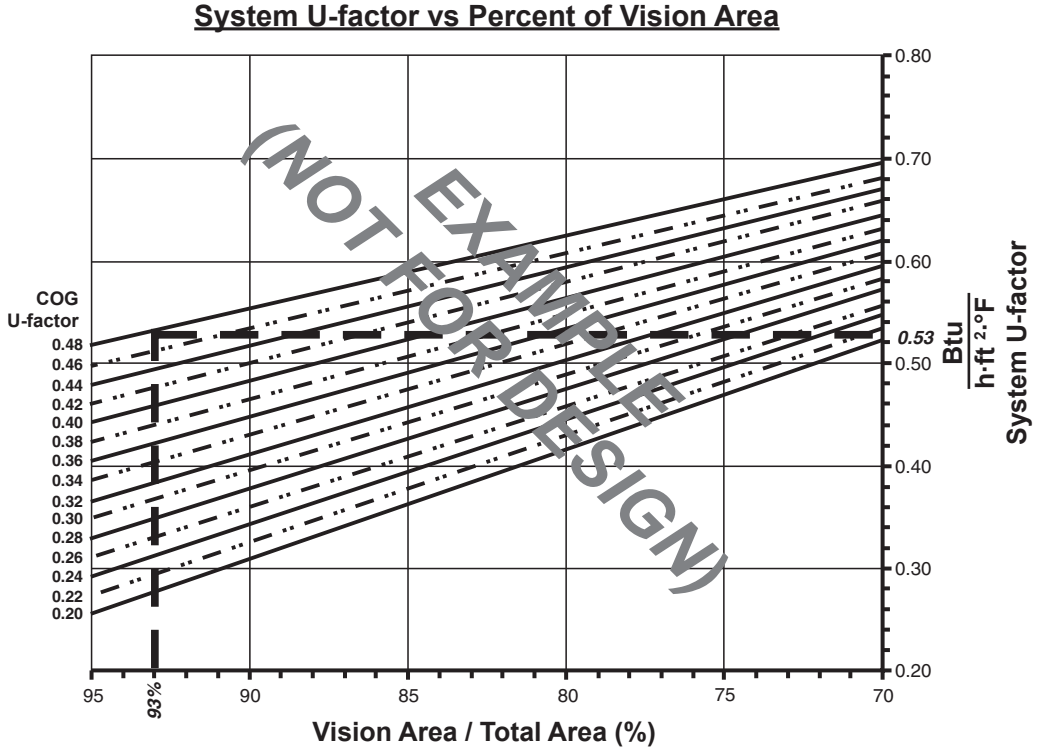

### Vision Area

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

### Spandrel Area

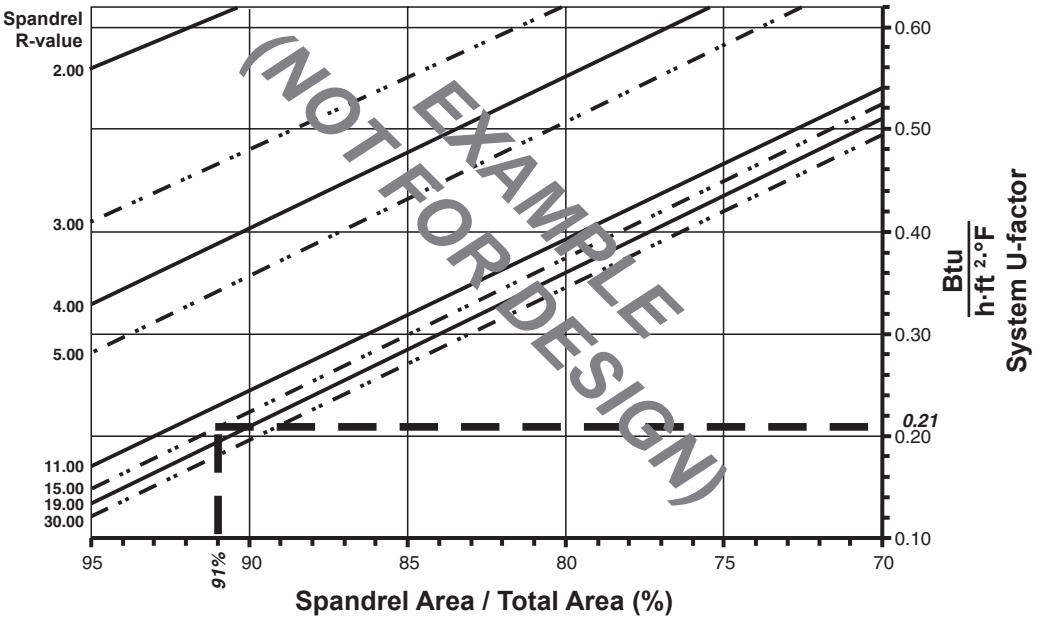
| | |
|---|---|
| Example Spandrel R-value | = 15 (ft$^2$ · h · °F)/Btu |
| Spandrel Area | = 5(6 + 3) = 45.0 ft$^2$ |
| Total Area (Spandrel) | = 5' 2-1/2" (6' 2-1/2" + 3' 3-3/4") = 49.6 ft$^2$ |
| Percent of Spandrel | = (Spandrel Area ÷ Total Area)100<br>= (49.0 ÷ 49.6)100 = 91% |

## 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)***

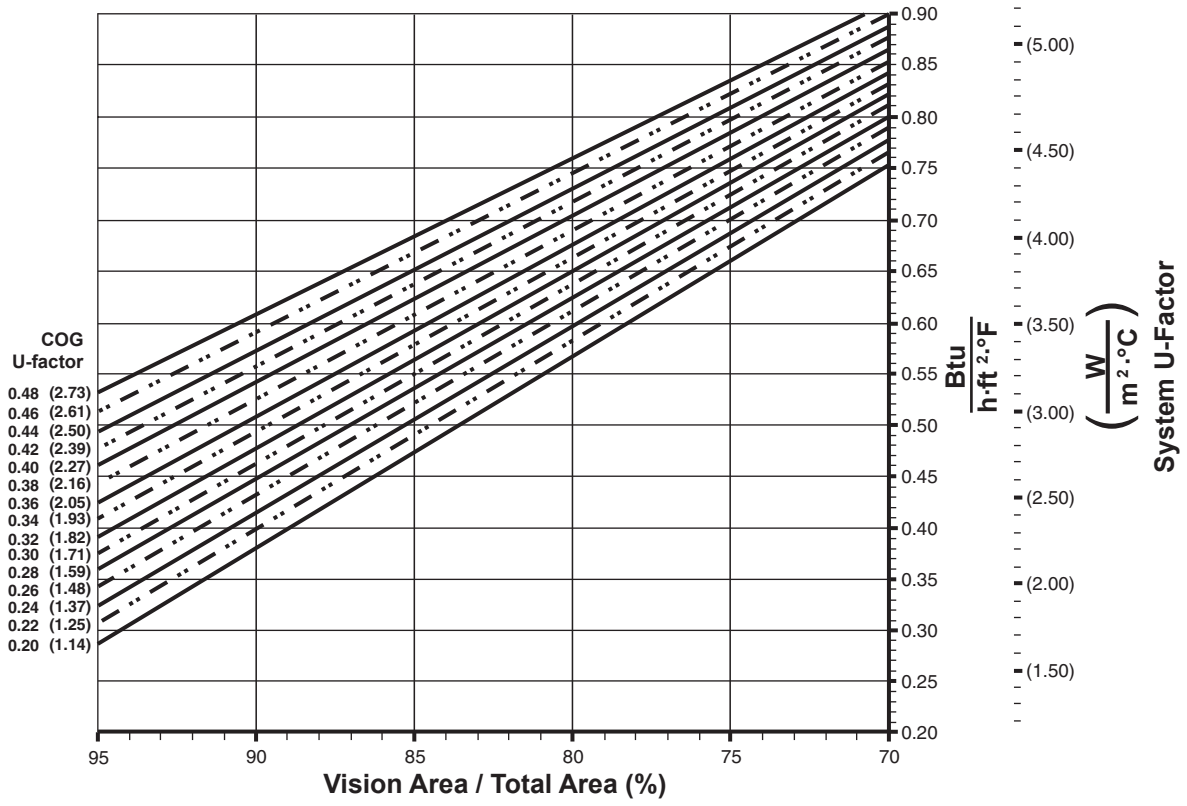
## Spandrel Area Chart



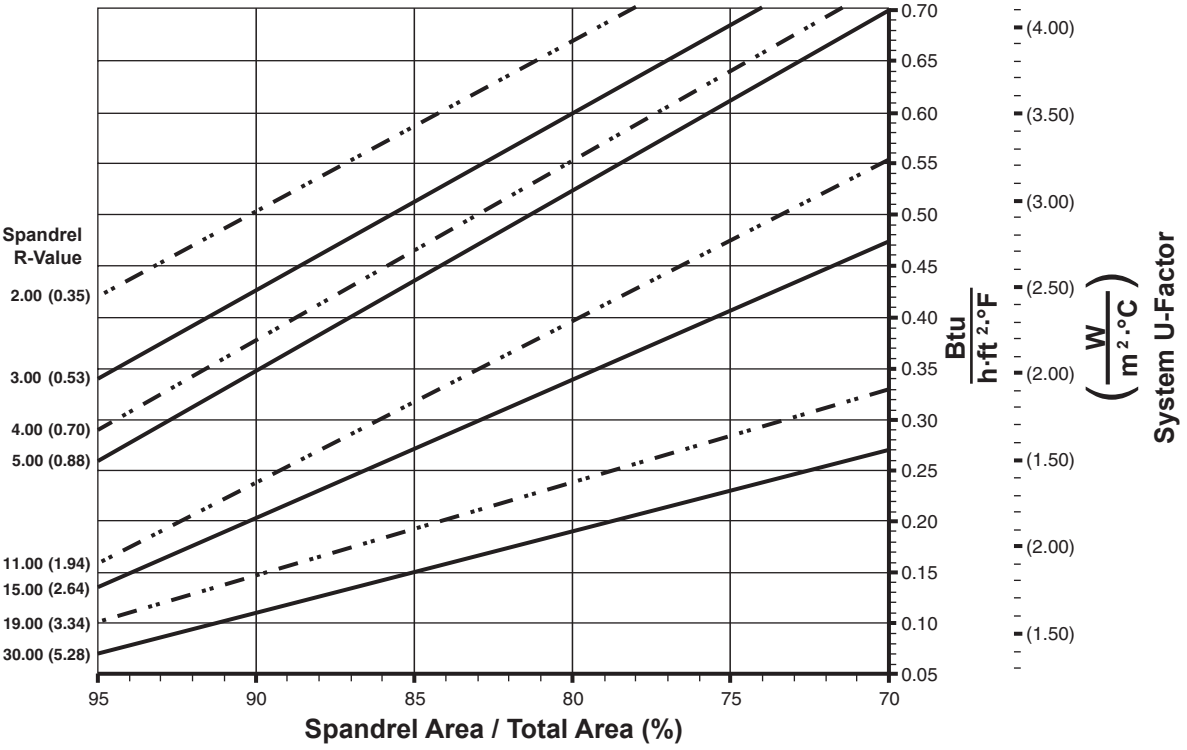

***Based on a single curtain wall bay of 91% spandrel and center of spandrel R-value of 15, system U-factor is equal to 0.21 Btu/(h·ft 2·°F)***

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

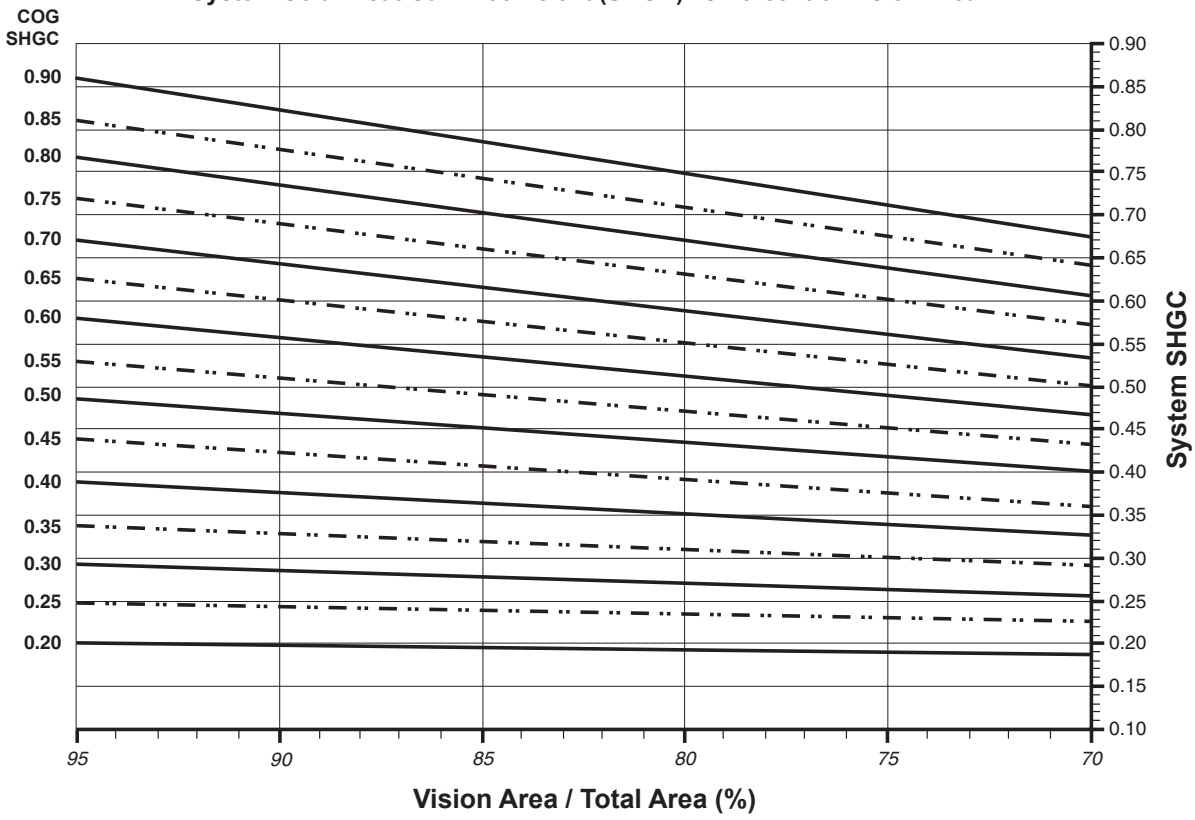
## System U-Factor for Vision Glass




## System U-Factors for Spandrel Glass

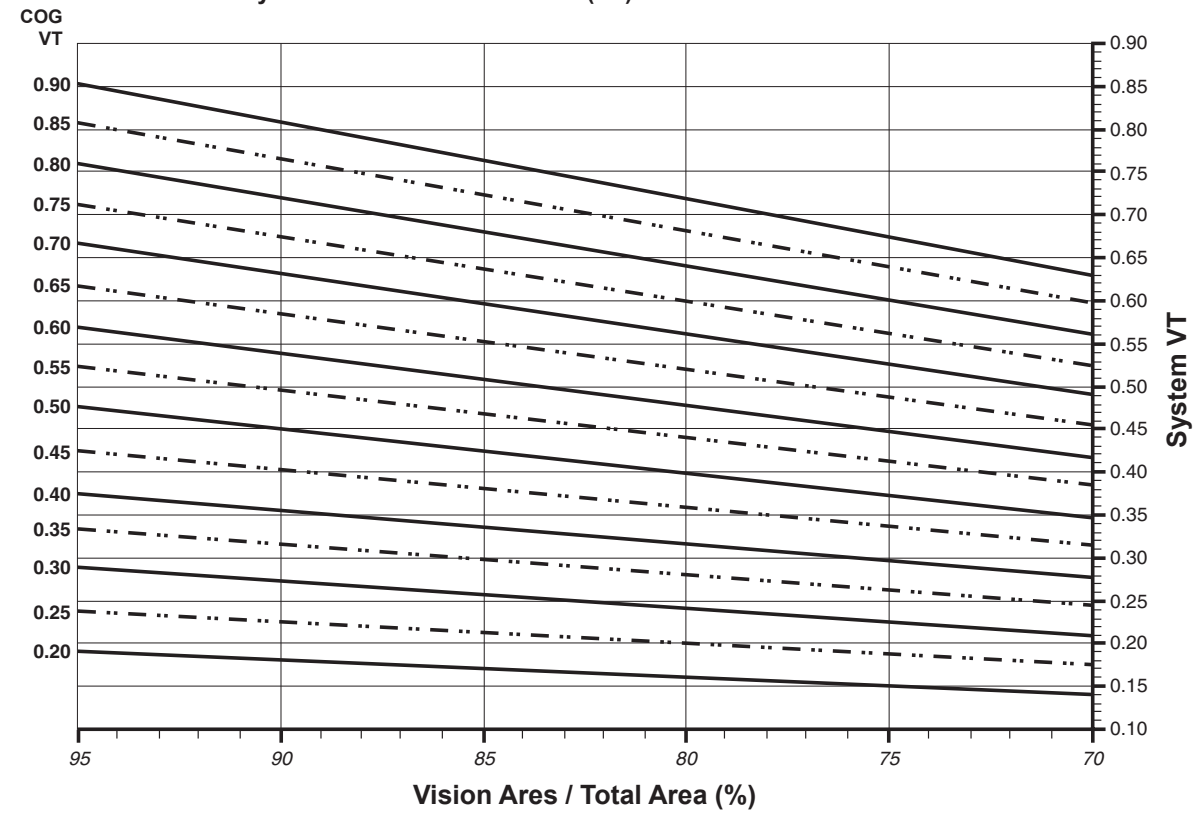


**System Solar Heat Gain Coefficient (SHGC) vs Percent of Vision Area**




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 | 0.62 |
| 0.46 | 0.60 |
| 0.44 | 0.59 |
| 0.42 | 0.57 |
| 0.40 | 0.55 |
| 0.38 | 0.54 |
| 0.36 | 0.52 |
| 0.34 | 0.50 |
| 0.32 | 0.49 |
| 0.30 | 0.47 |
| 0.28 | 0.46 |
| 0.26 | 0.44 |
| 0.24 | 0.42 |
| 0.22 | 0.41 |
| 0.20 | 0.39 |

## 1" GLAZING WITH ALUMINUM PRESSURE PLATE

**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]

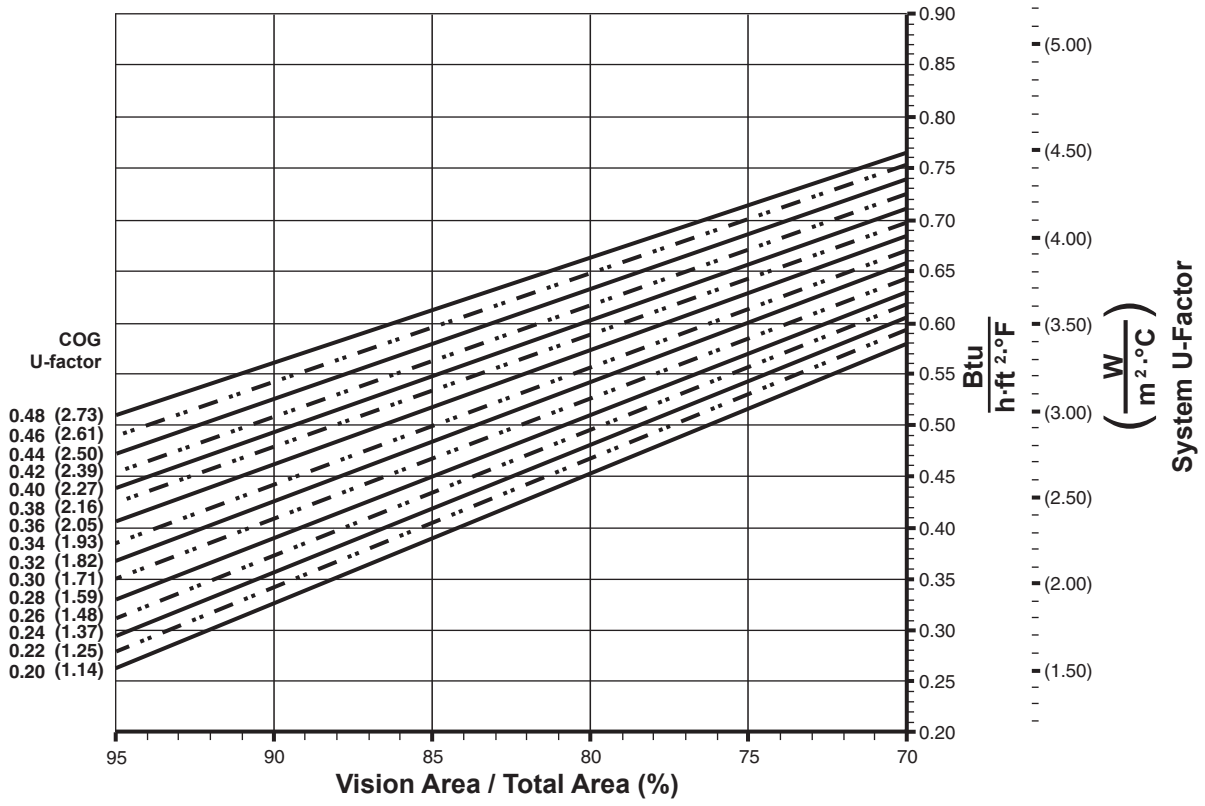
| Glass SHGC [3] | Overall SHGC [4] |
|---|---|
| 0.90 | 0.82 |
| 0.85 | 0.78 |
| 0.80 | 0.73 |
| 0.75 | 0.69 |
| 0.70 | 0.64 |
| 0.65 | 0.60 |
| 0.60 | 0.55 |
| 0.55 | 0.51 |
| 0.50 | 0.46 |
| 0.45 | 0.42 |
| 0.40 | 0.37 |
| 0.35 | 0.33 |
| 0.30 | 0.29 |
| 0.25 | 0.24 |
| 0.20 | 0.20 |

## Visible Transmittance [2]

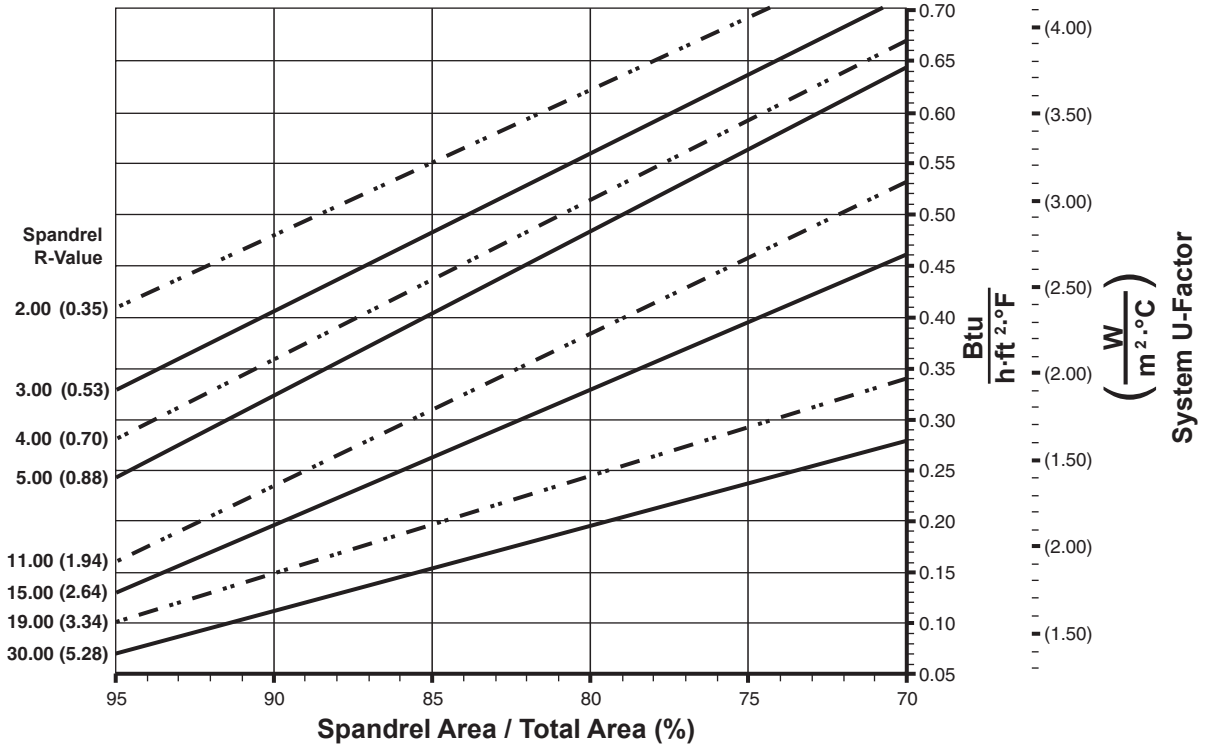
| Glass VT [3] | Overall VT [4] |
|---|---|
| 0.90 | 0.81 |
| 0.85 | 0.76 |
| 0.80 | 0.72 |
| 0.75 | 0.67 |
| 0.70 | 0.63 |
| 0.65 | 0.58 |
| 0.60 | 0.54 |
| 0.55 | 0.49 |
| 0.50 | 0.45 |
| 0.45 | 0.40 |
| 0.40 | 0.36 |
| 0.35 | 0.31 |
| 0.30 | 0.27 |
| 0.25 | 0.22 |
| 0.20 | 0.18 |

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

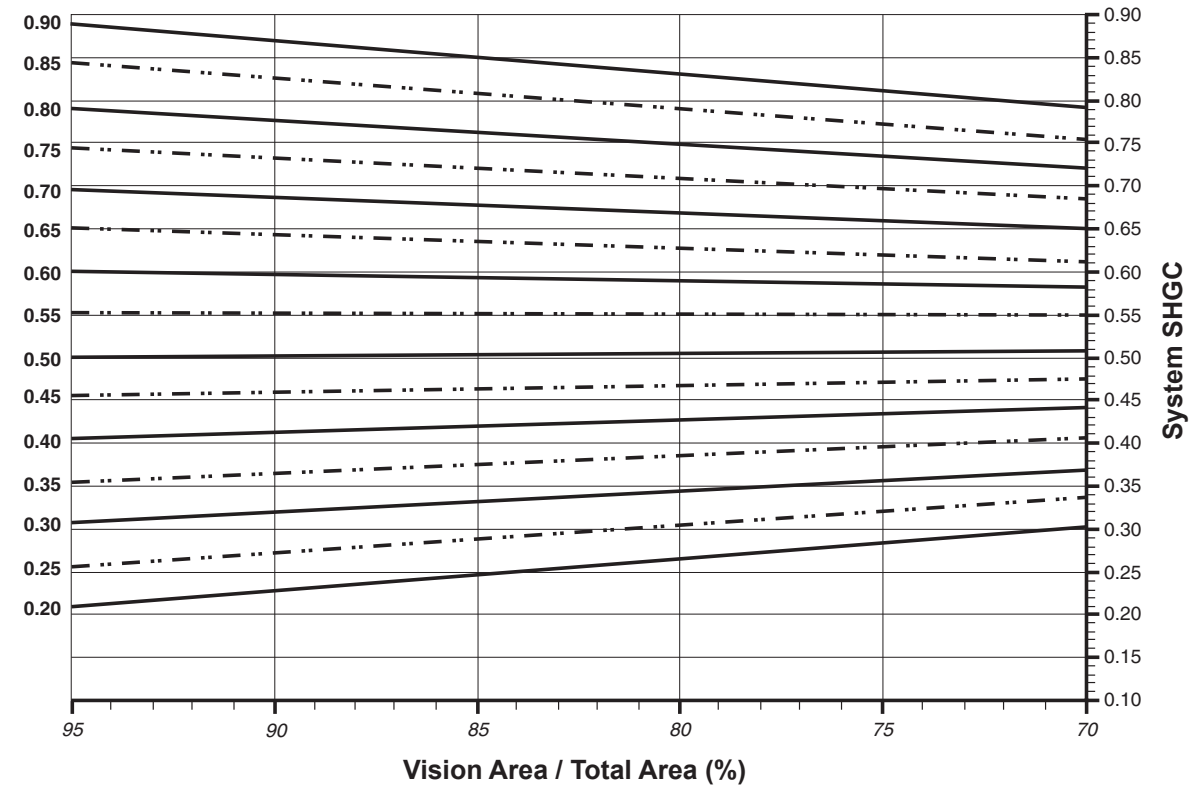
## System U-Factor for Vision Glass




## System U-Factors for Spandrel Glass

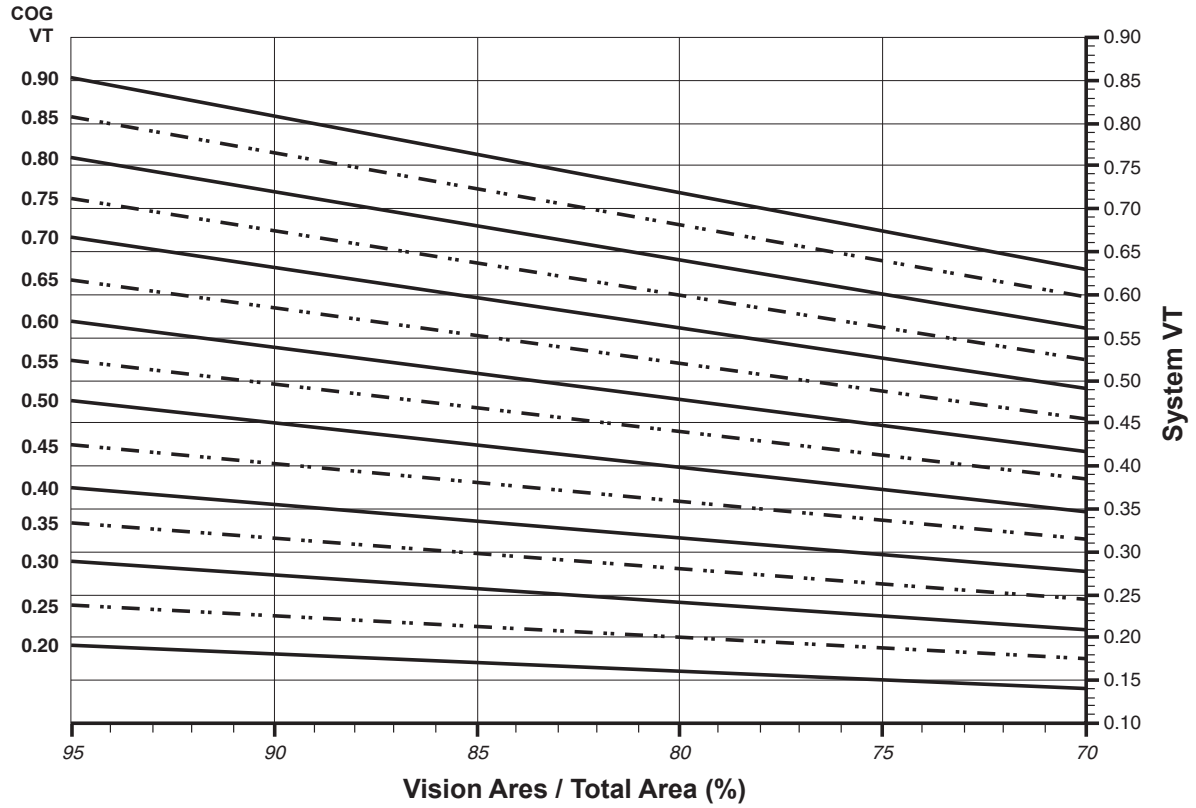


## System Solar Heat Gain Coefficient (SHGC) vs Percent of Vision Area




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 |

**1" GLAZING WITH ALUMINUM PRESSURE PLATE**

**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] |
|---|---|
| 0.90 | 0.87 |
| 0.85 | 0.82 |
| 0.80 | 0.77 |
| 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 |

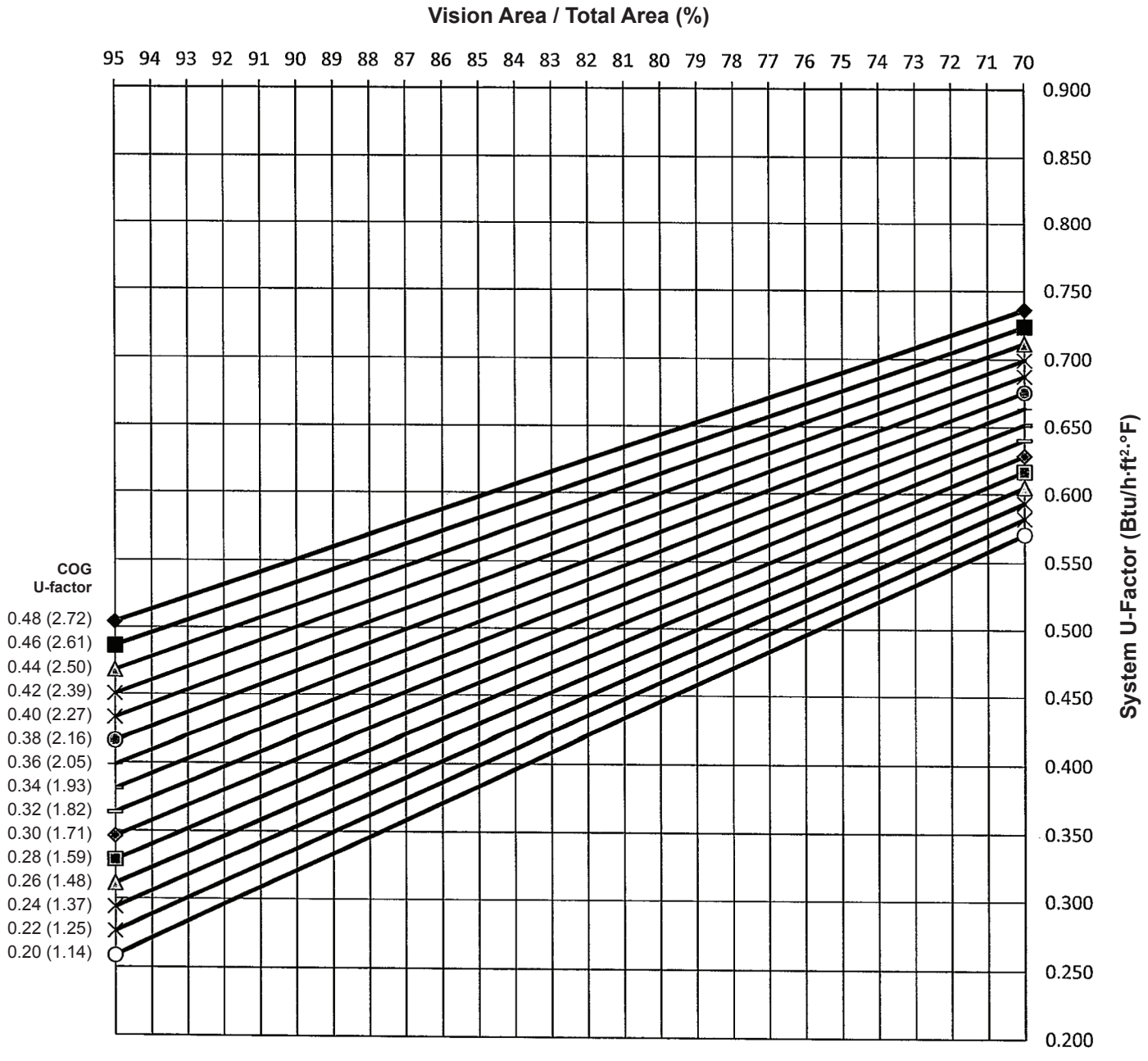
## Visible Transmittance [2]

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

## 1" GLAZING WITH FIBERGLASS PRESSURE PLATE

### System U-Factor for Vision Glass

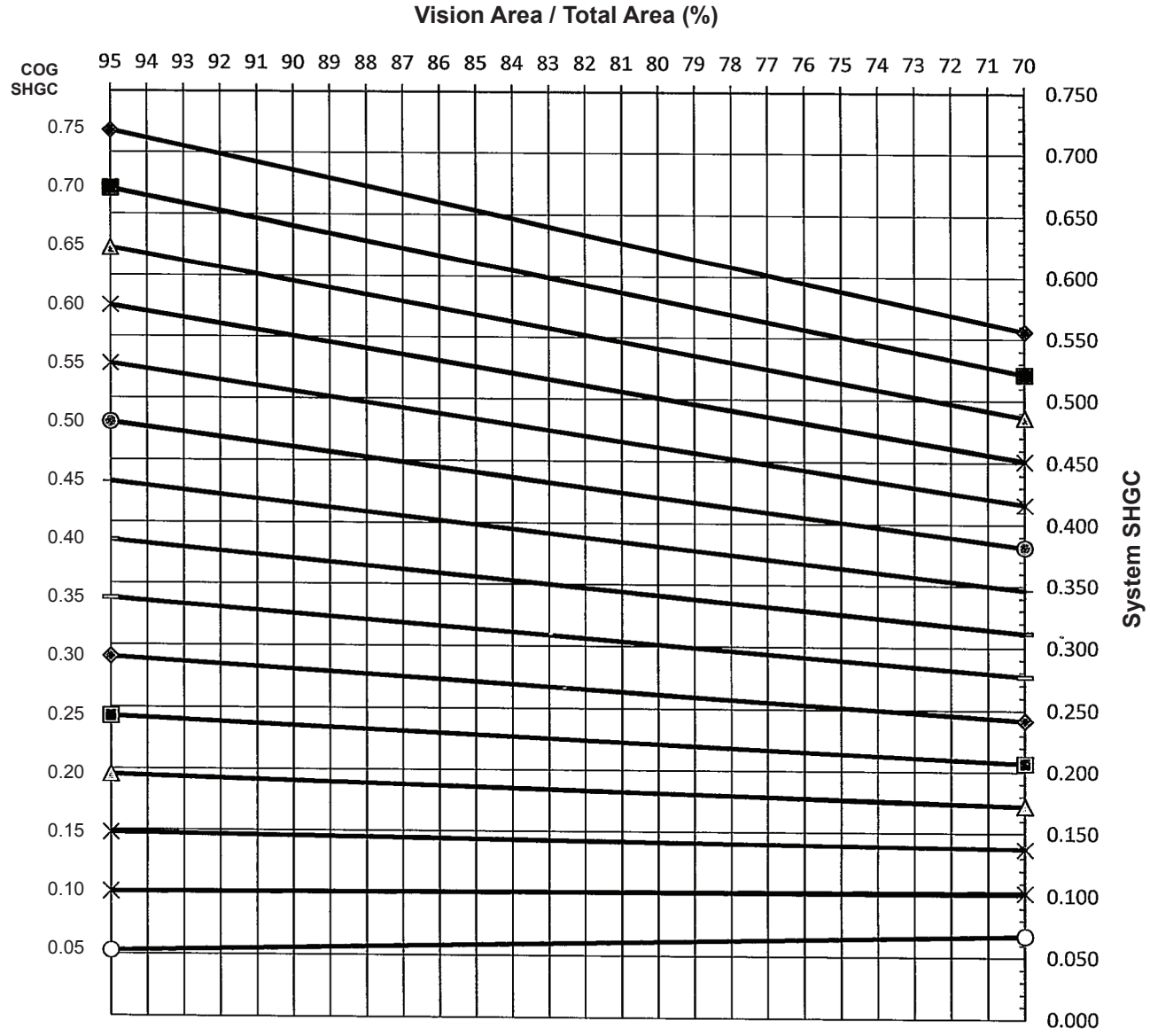



**Notes for System U-Factor, SHGC and VT charts:**

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.

## 1" GLAZING WITH FIBERGLASS PRESSURE PLATE

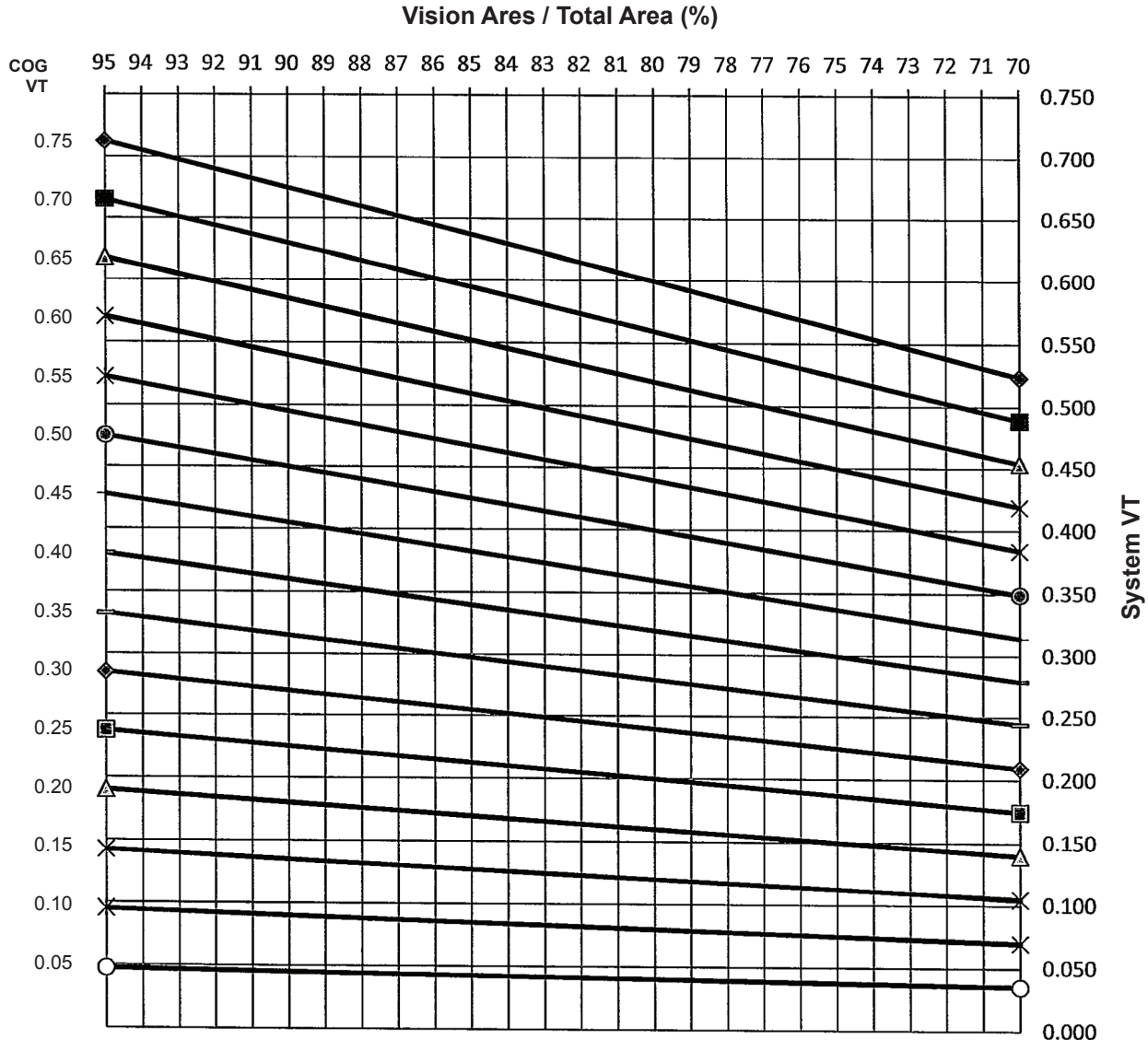
**System Solar Heat Gain Coefficient (SHGC) vs Percent of Vision Area**




Charts are generated per AAMA 507.

## 1" GLAZING WITH FIBERGLASS PRESSURE PLATE

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




Charts are generated per AAMA 507.

# 1600 SS Curtain Wall System



THERMAL PERFORMANCE MATRIX (NFRC SIZE)
CAPTURED - FIBERGLASS PRESSURE PLATE

## 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 | 0.52 |
| 0.42 | 0.51 |
| 0.40 | 0.49 |
| 0.38 | 0.47 |
| 0.36 | 0.46 |
| 0.34 | 0.44 |
| 0.32 | 0.43 |
| 0.30 | 0.41 |
| 0.28 | 0.39 |
| 0.26 | 0.38 |
| 0.24 | 0.36 |
| 0.22 | 0.34 |
| 0.20 | 0.33 |

**1" GLAZING WITH FIBERGLASS PRESSURE PLATE**

**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 | 0.68 |
| 0.70 | 0.64 |
| 0.65 | 0.59 |
| 0.60 | 0.55 |
| 0.55 | 0.50 |
| 0.50 | 0.46 |
| 0.45 | 0.41 |
| 0.40 | 0.37 |
| 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 | 0.06 |

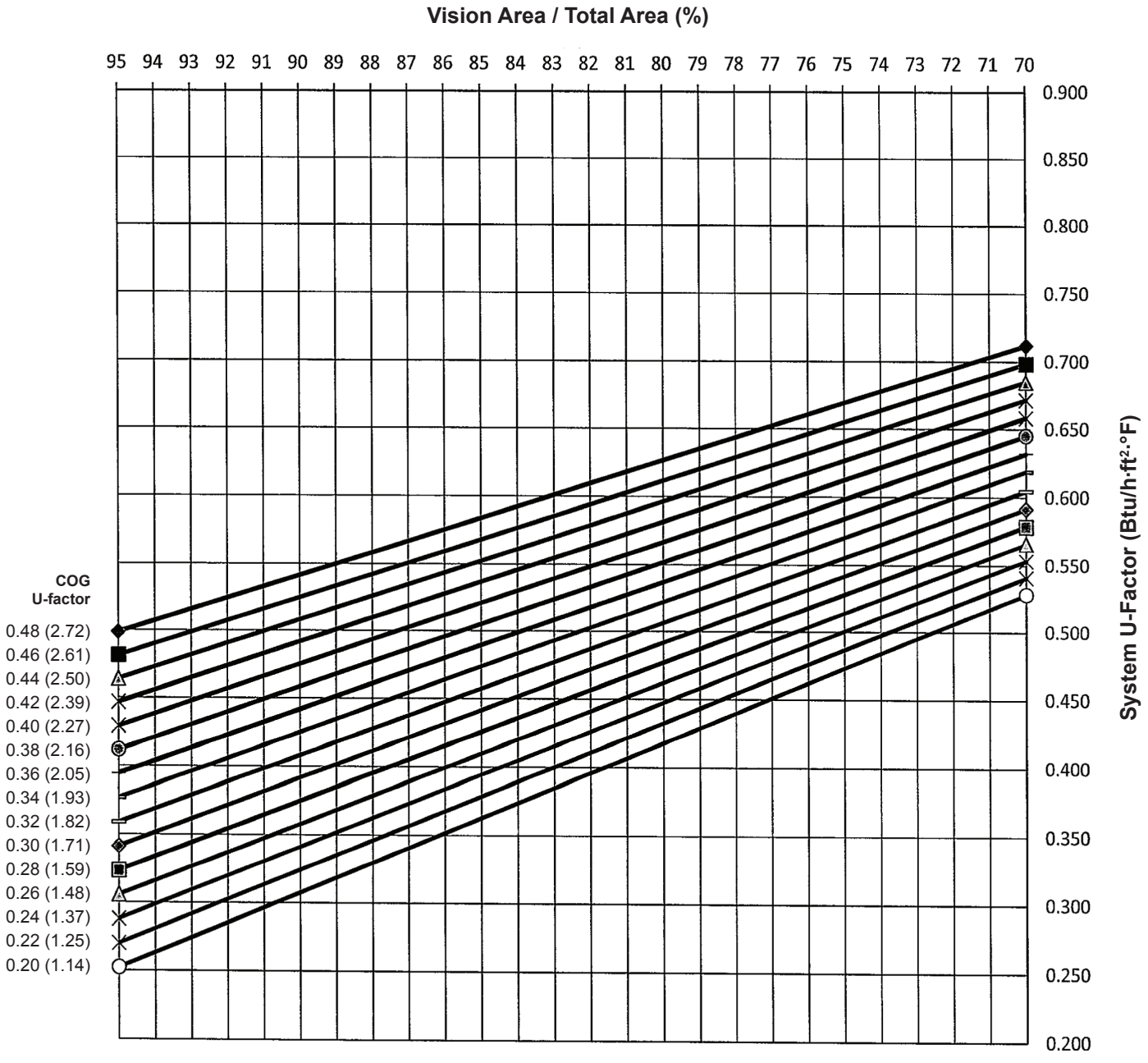
## Visible Transmittance [2]

| Glass VT [3] | Overall VT [4] |
|---|---|
| 0.75 | 0.67 |
| 0.70 | 0.63 |
| 0.65 | 0.58 |
| 0.60 | 0.54 |
| 0.55 | 0.49 |
| 0.50 | 0.45 |
| 0.45 | 0.40 |
| 0.40 | 0.36 |
| 0.35 | 0.31 |
| 0.30 | 0.27 |
| 0.25 | 0.22 |
| 0.20 | 0.18 |
| 0.15 | 0.13 |
| 0.10 | 0.09 |
| 0.05 | 0.04 |

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

## 1" GLAZING WITH FIBERGLASS PRESSURE PLATE

### System U-Factor for Vision Glass

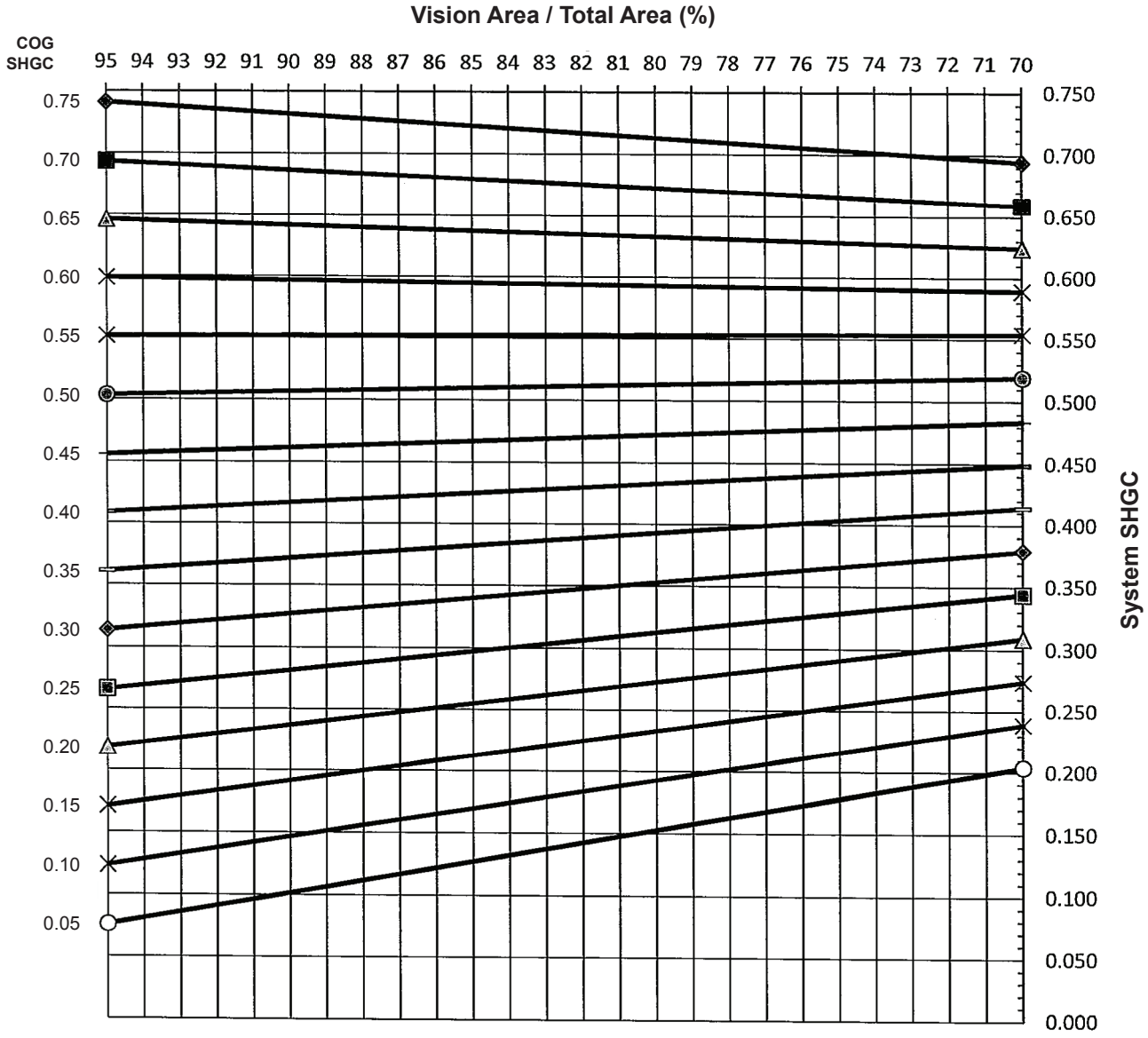



**Notes for System U-Factor, SHGC and VT charts:**

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.

## 1" GLAZING WITH FIBERGLASS PRESSURE PLATE

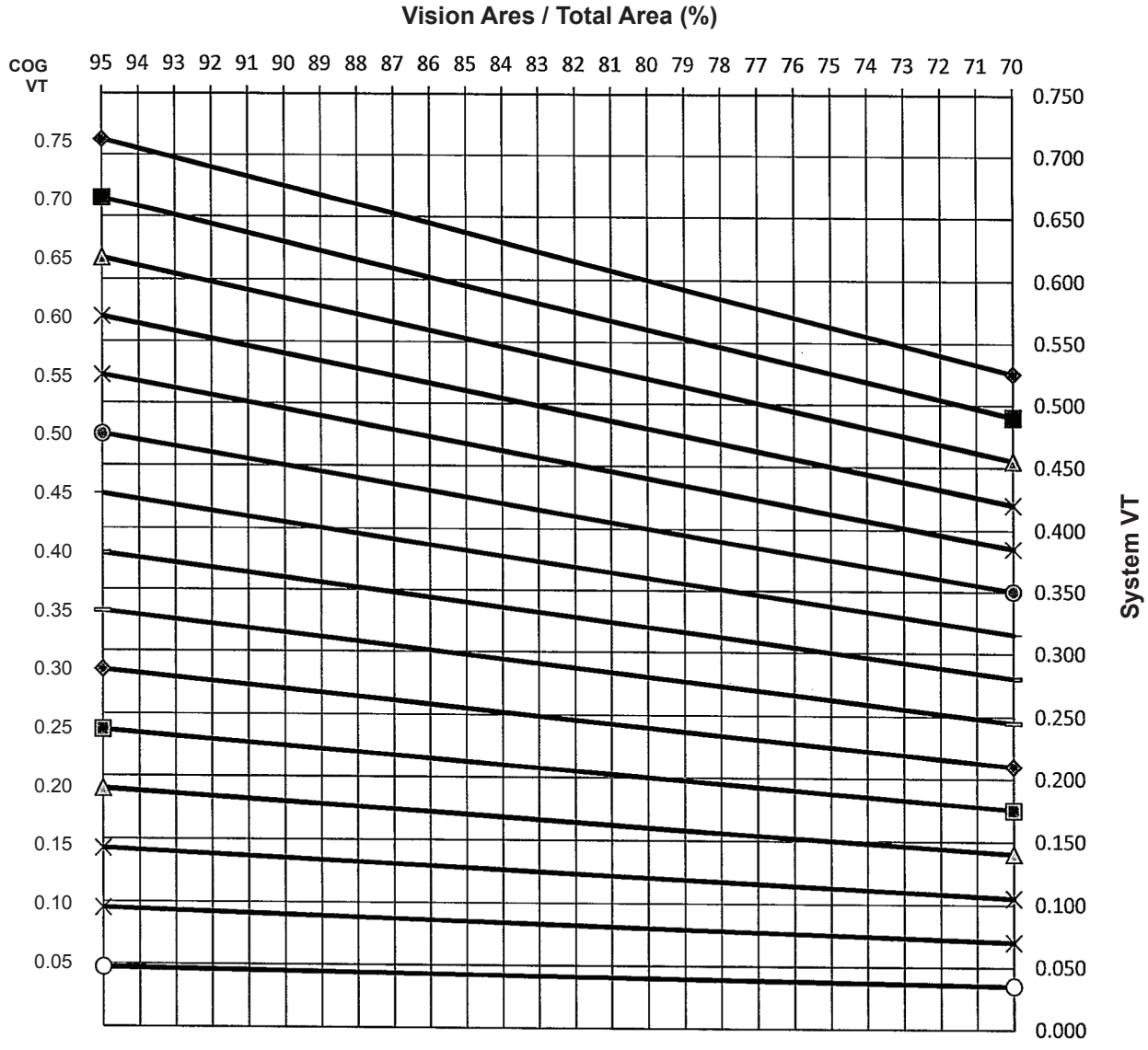
**System Solar Heat Gain Coefficient (SHGC) vs Percent of Vision Area**




Charts are generated per AAMA 507.

## 1" GLAZING WITH FIBERGLASS PRESSURE PLATE

**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 | 0.54 |
| 0.46 | 0.53 |
| 0.44 | 0.51 |
| 0.42 | 0.49 |
| 0.40 | 0.48 |
| 0.38 | 0.46 |
| 0.36 | 0.44 |
| 0.34 | 0.42 |
| 0.32 | 0.41 |
| 0.30 | 0.39 |
| 0.28 | 0.37 |
| 0.26 | 0.36 |
| 0.24 | 0.34 |
| 0.22 | 0.32 |
| 0.20 | 0.31 |

**1" GLAZING WITH FIBERGLASS PRESSURE PLATE**

**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 | 0.73 |
| 0.70 | 0.69 |
| 0.65 | 0.64 |
| 0.60 | 0.60 |
| 0.55 | 0.55 |
| 0.50 | 0.51 |
| 0.45 | 0.46 |
| 0.40 | 0.42 |
| 0.35 | 0.37 |
| 0.30 | 0.33 |
| 0.25 | 0.28 |
| 0.20 | 0.24 |
| 0.15 | 0.19 |
| 0.10 | 0.15 |
| 0.05 | 0.10 |

## Visible Transmittance [2]

| Glass VT [3] | Overall VT [4] |
|---|---|
| 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 |
| 0.15 | 0.14 |
| 0.10 | 0.09 |
| 0.05 | 0.05 |