

## **Features**

- 2500 UT and 2500 UT PLUS Unitwall® are a pre-glazed unitized curtain wall
- 2-1/2" (63.5) sightline. System depths of:
  - 7-1/2" (190.5) captured and 6-1/2" (165.1) 4-side SSG with 1" (25.4) infill
  - 8-1/4" (209.6) captured and 7-1/4" (184.2) 4-side SSG with 1-3/4" (44.5) infill
- Patented polyamide thermal break
- Screw spline shop assembly
- Shop glazed infill options:
  - 1" (25.4) and 1-3/4" (44.5) insulating vision
  - 1" (25.4) and 1-3/4" (44.5) insulating spandrel
- Three system types available:
  - Captured
  - 4-sided SSG (all glass exterior look)
  - 2-sided Vertical SSG (Captured-Horizontal)
- No exterior applied joint seals. Can be fully installed from inside, saving installation costs
- Available spandrel back panning with enhanced pressure equalized venting/weeping options
- Exterior re-glazing capability
- 90° and 135° inside and outside corners
- Top of slab fully adjustable anchoring  $\pm 1"$  in & out, up & down and left & right
- Comprehensively tested to North American Standards, including seismic, thermal, and acoustical standards
- Two color option
- Permanodic® anodized finishes option
- Painted finishes in standard and custom choices

## **Optional Features**

- Steel reinforcing available
- Accepts GLASSvent® UT windows with captured system type
- Profit\$Maker® Plus die sets available

## **Product Applications**

- Suitable for new construction or remodel
- Ideal for mid-rise and high-rise applications

For specific product applications,  
consult your Kawneer representative.

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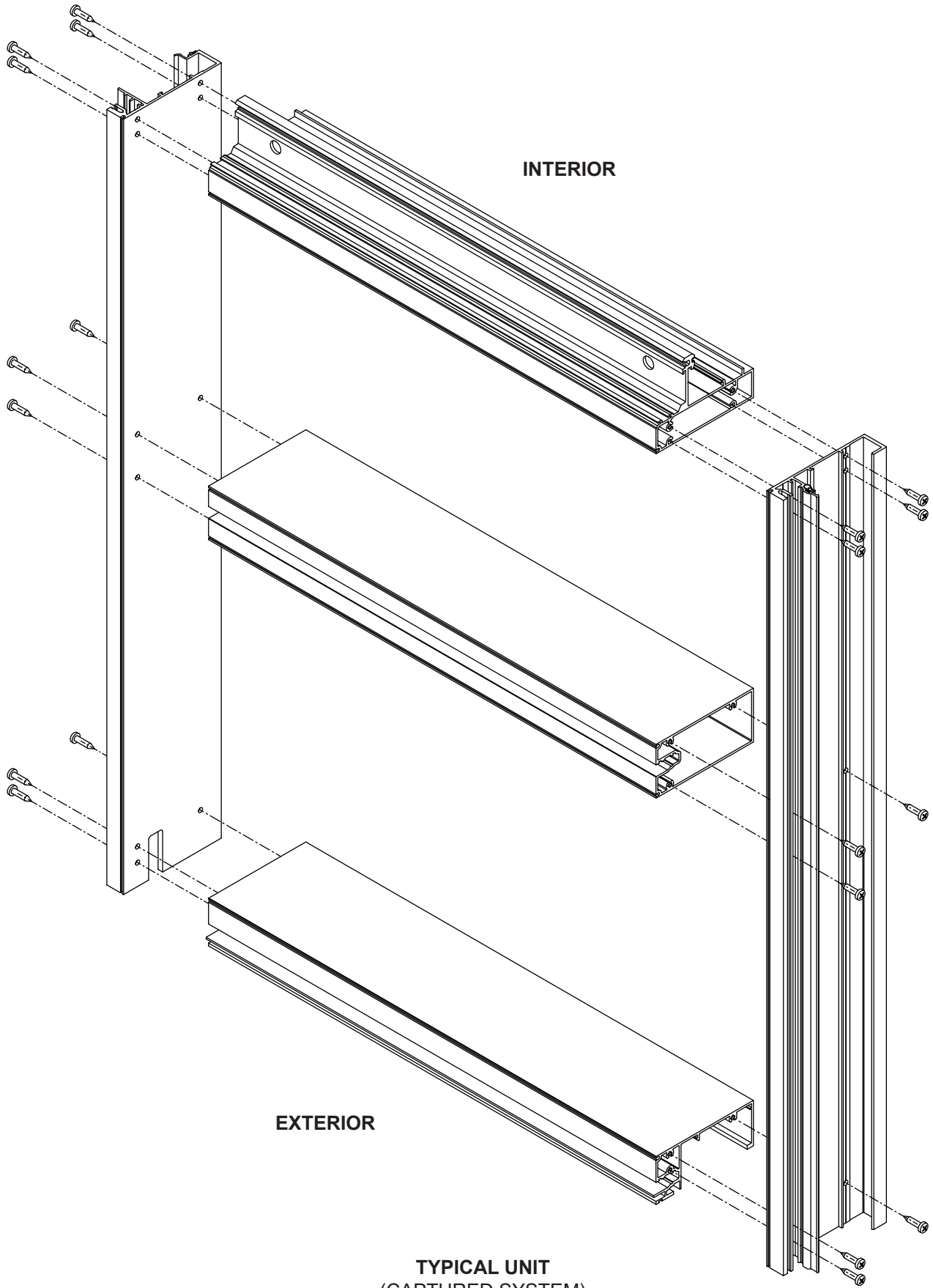
Metric (SI) conversion figures are included throughout these details for reference. Numbers in parentheses ( ) are millimeters unless otherwise noted.

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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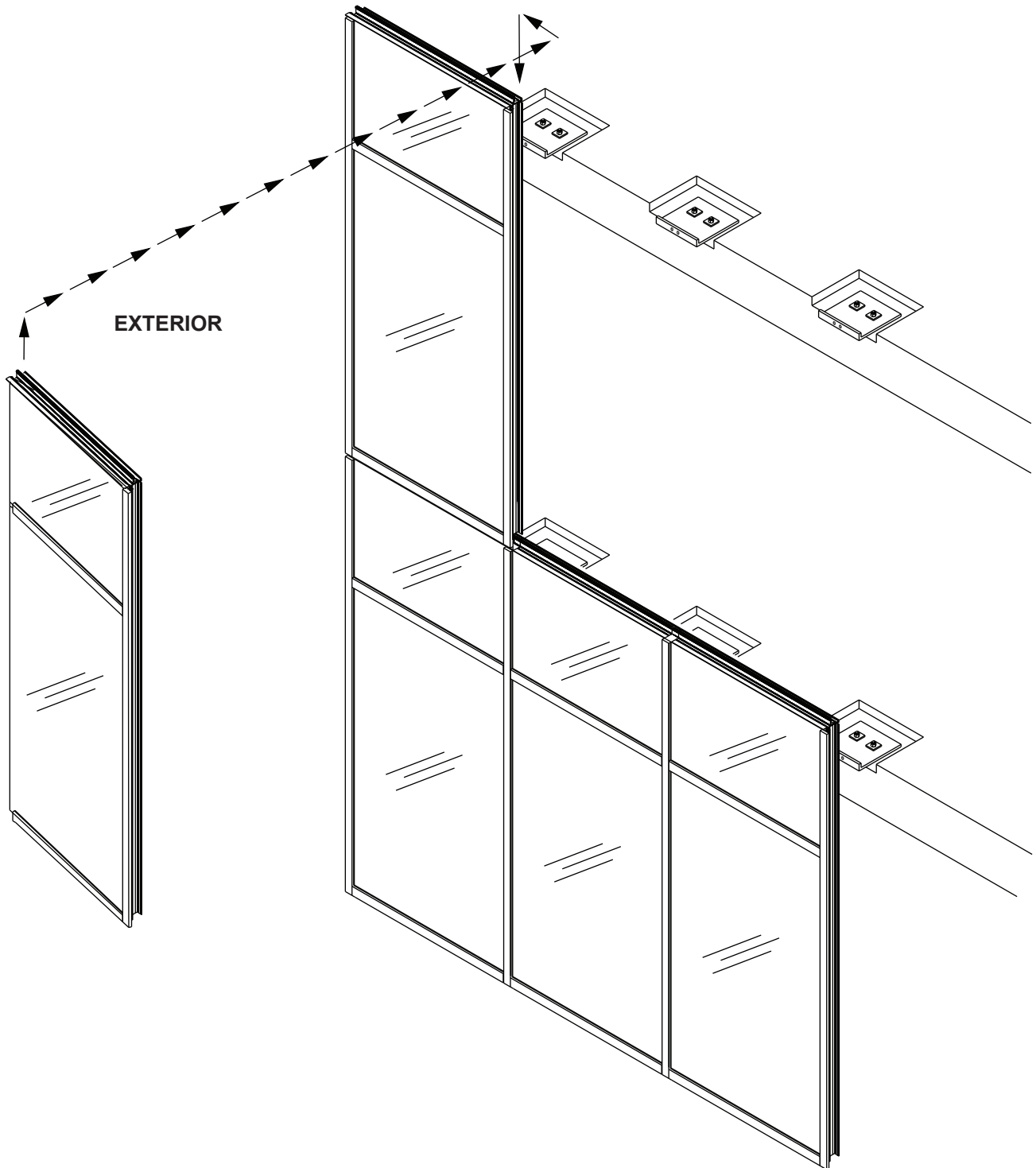
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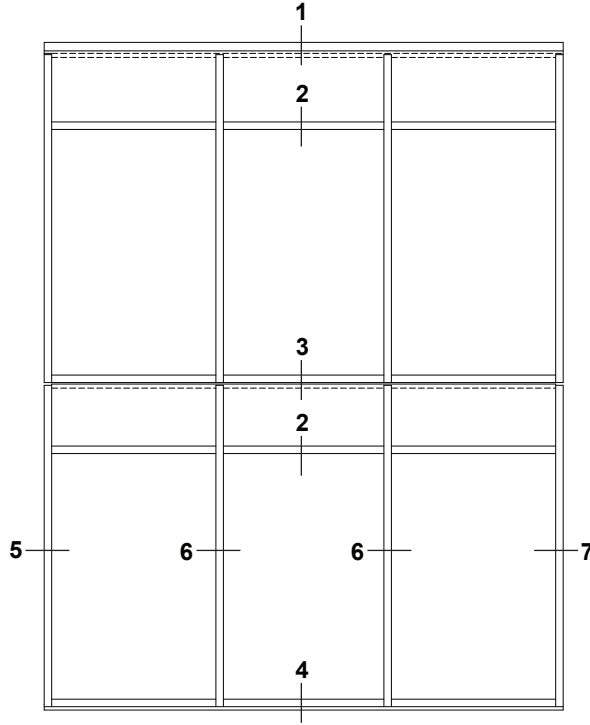
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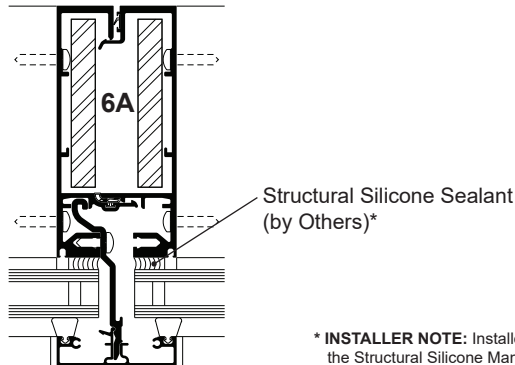
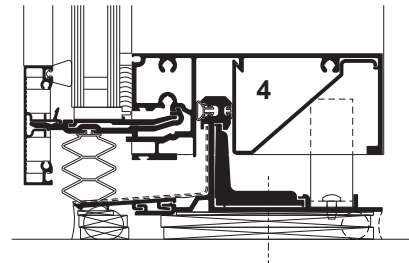
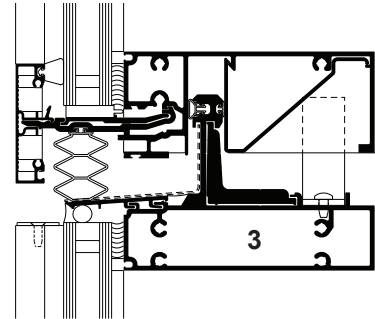
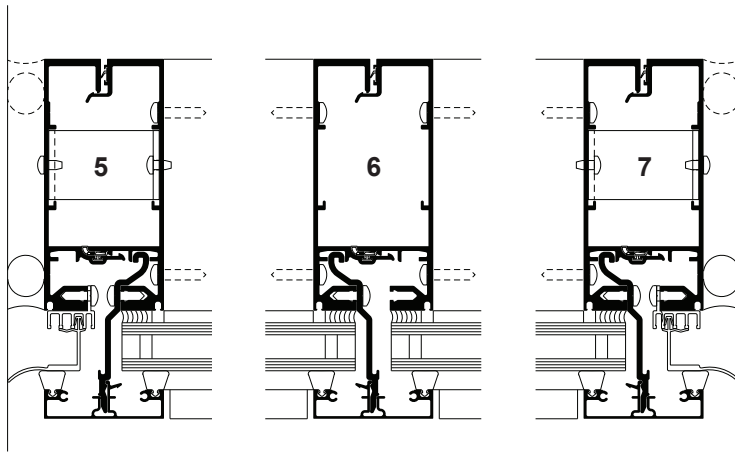
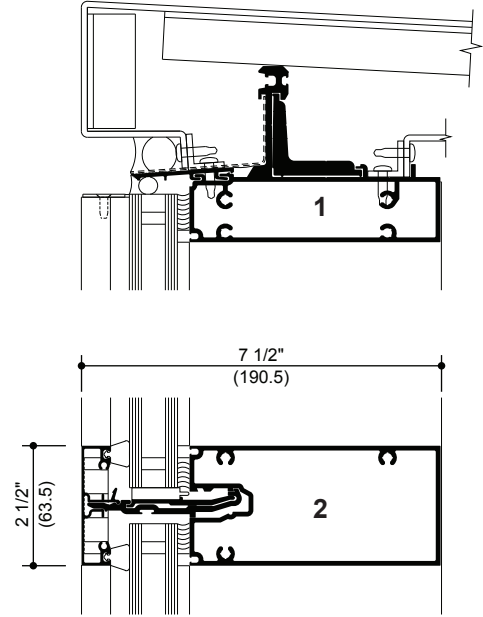


**CAPTURED SYSTEM SHOWN**

Additional information and CAD details are available at [www.kawneer.com](http://www.kawneer.com)



TYPICAL ELEVATION  
(CAPTURED SYSTEM)



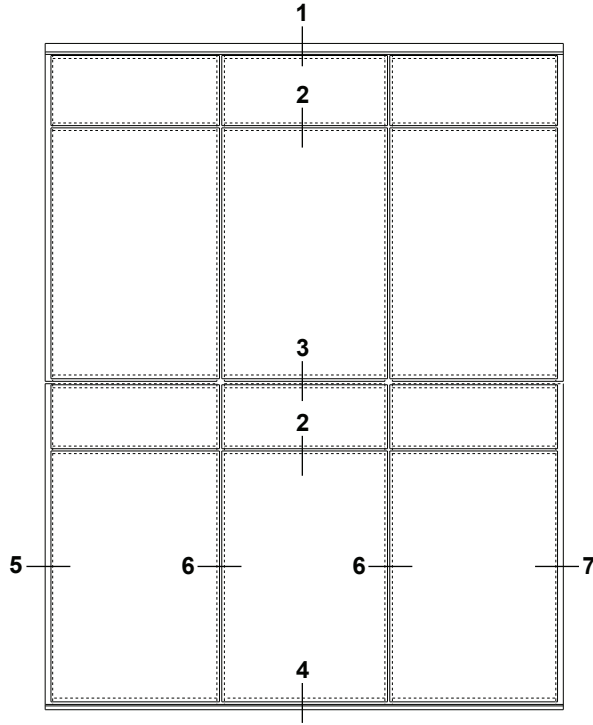
OPTIONAL STEEL  
REINFORCING  
AS REQUIRED

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

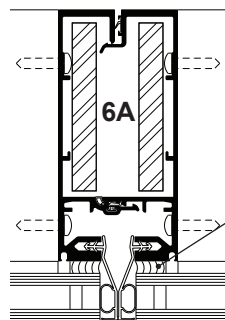
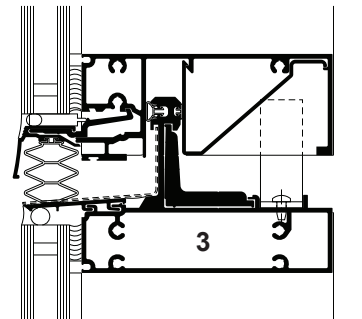
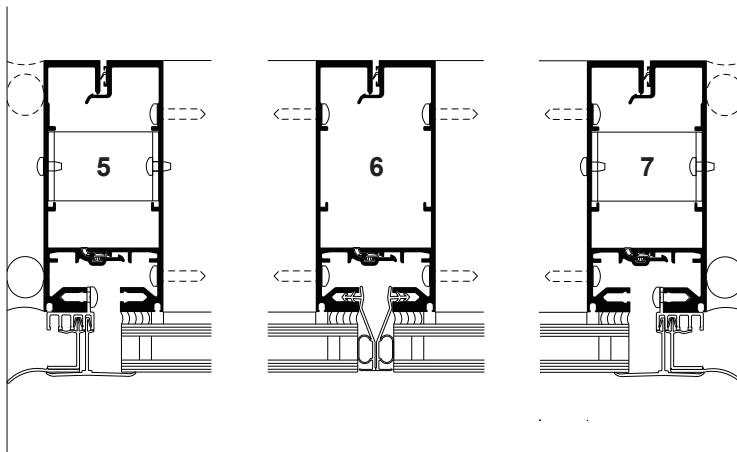
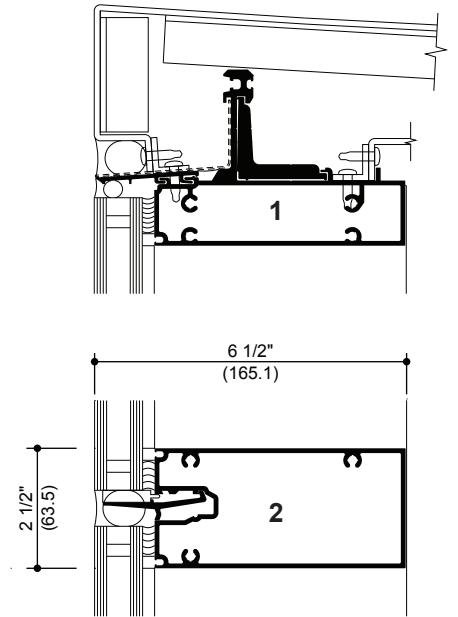
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**TYPICAL ELEVATION**  
(4-SIDED SSG SYSTEM)



**OPTIONAL STEEL  
REINFORCING  
AS REQUIRED**

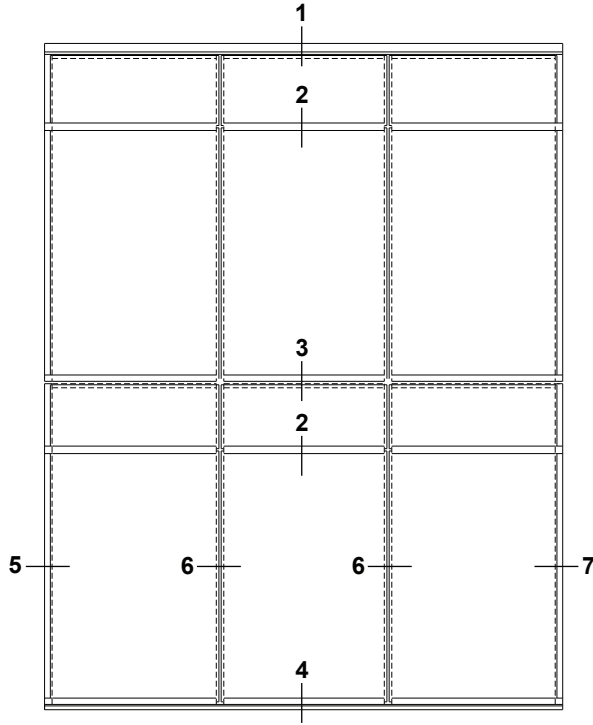
Structural Silicone Sealant  
(by Others)\*

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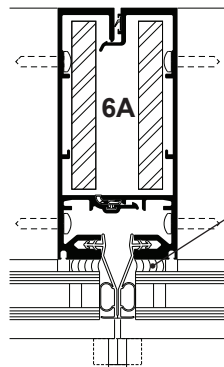
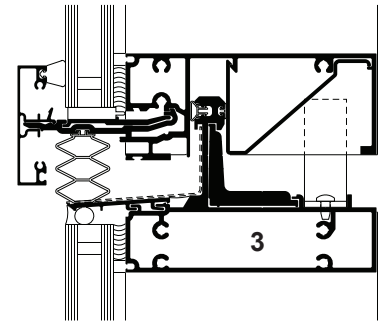
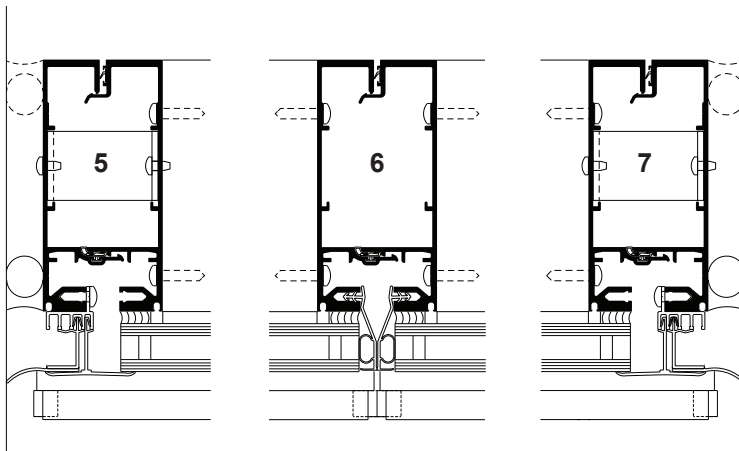
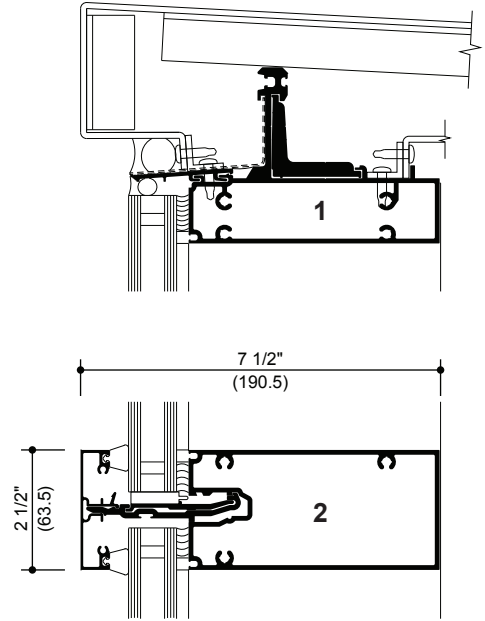
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TYPICAL ELEVATION  
(VERTICAL SSG SYSTEM)



Structural Silicone Sealant  
(by Others)\*

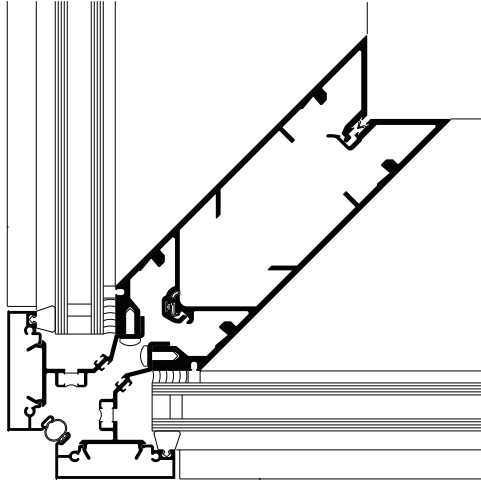
OPTIONAL STEEL  
REINFORCING  
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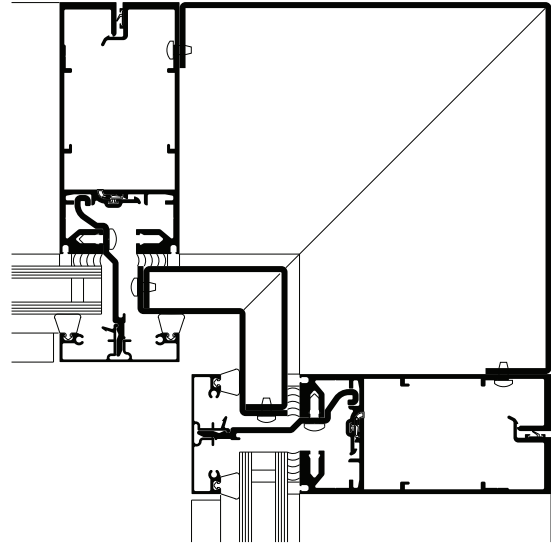
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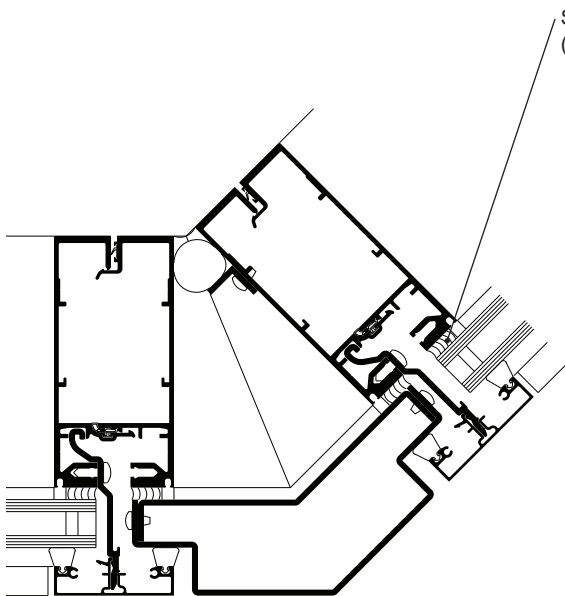
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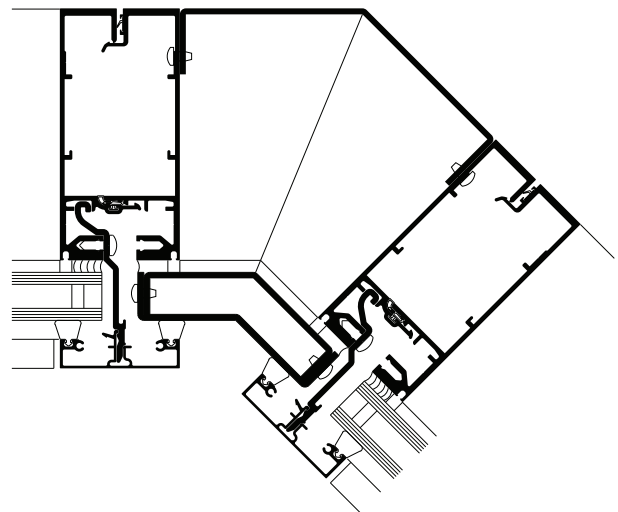
90° OUTSIDE CORNER



90° INSIDE CORNER



135° OUTSIDE CORNER



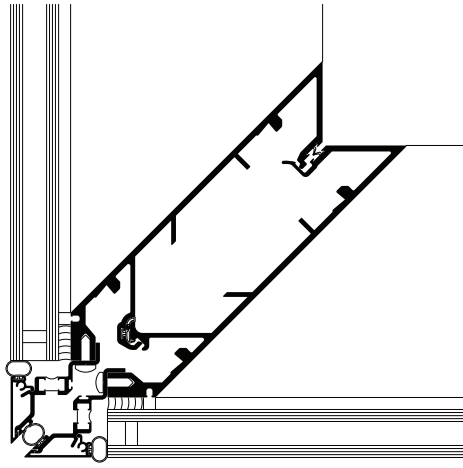
135° INSIDE CORNER

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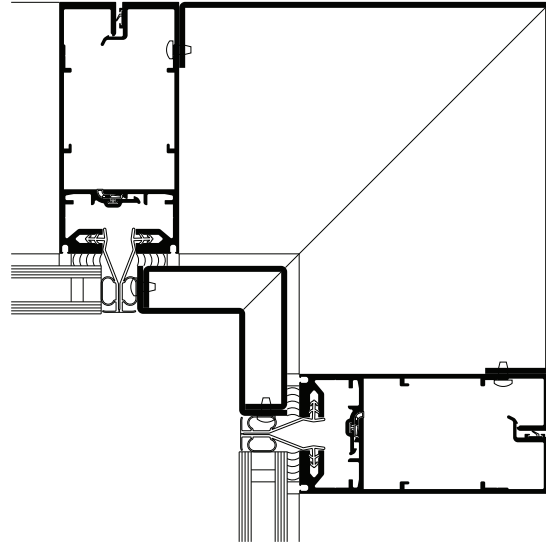
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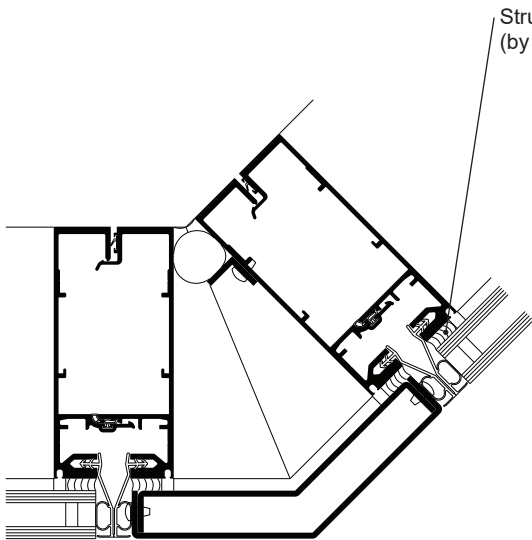
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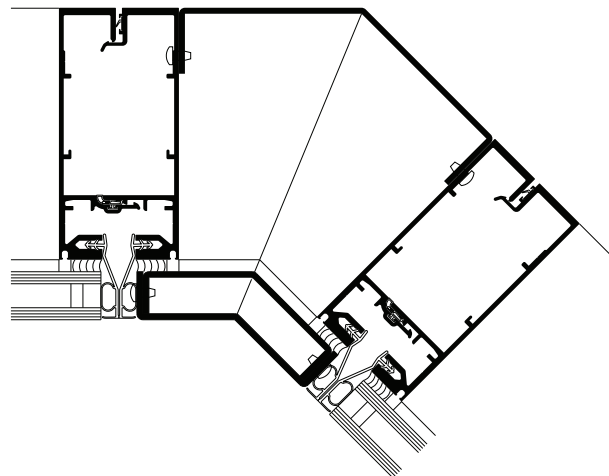
90° SSG OUTSIDE CORNER



90° SSG INSIDE CORNER



135° SSG OUTSIDE CORNER



135° SSG INSIDE CORNER

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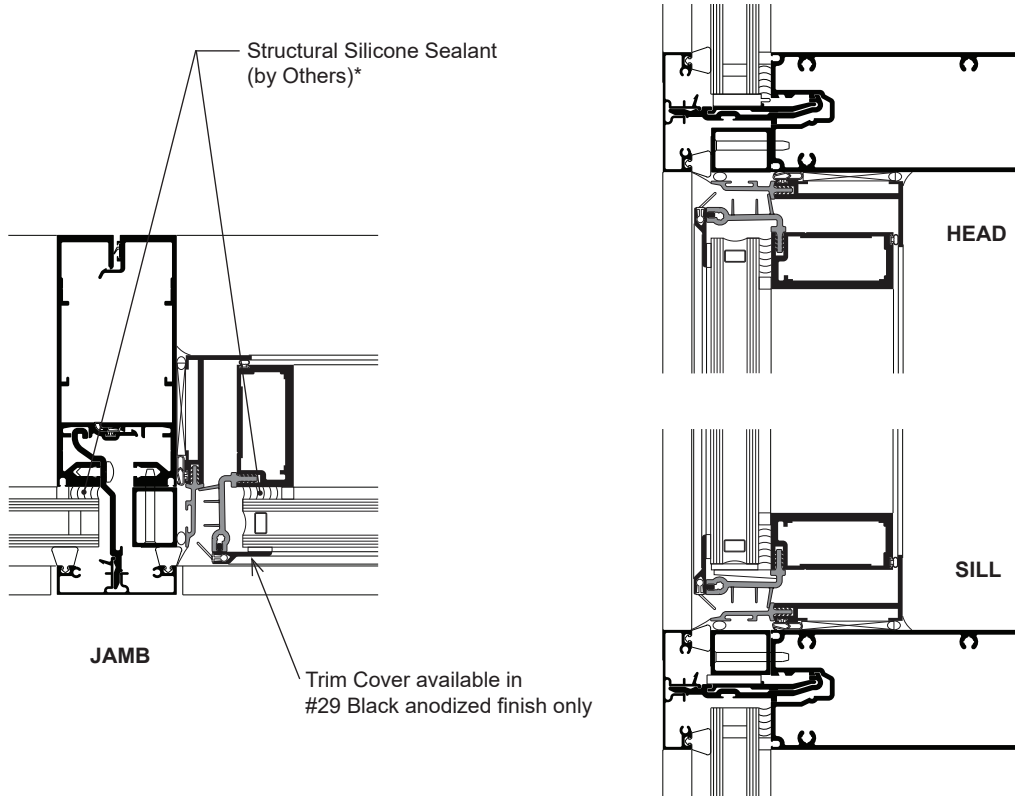
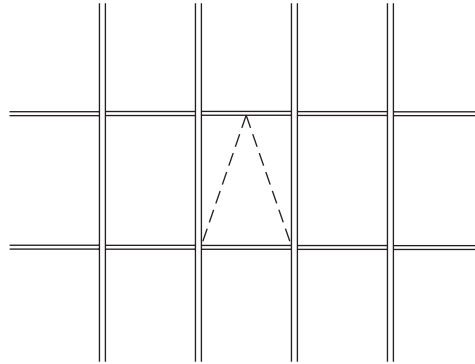
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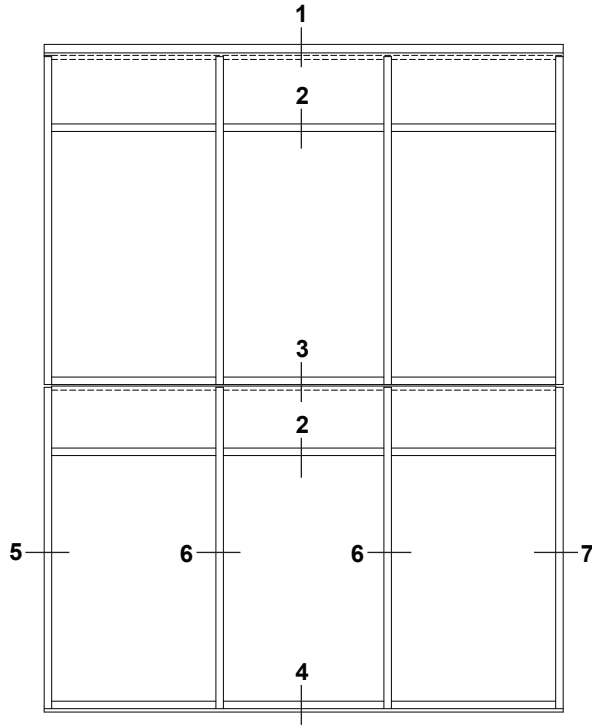


Project-Out GLASSvent® UT Window Shown  
Casement Window Similar

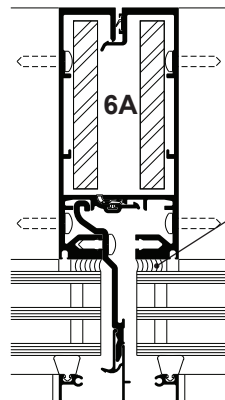
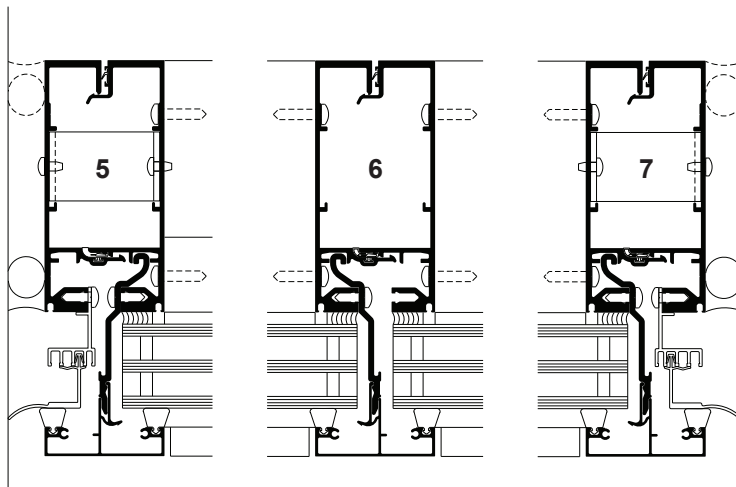
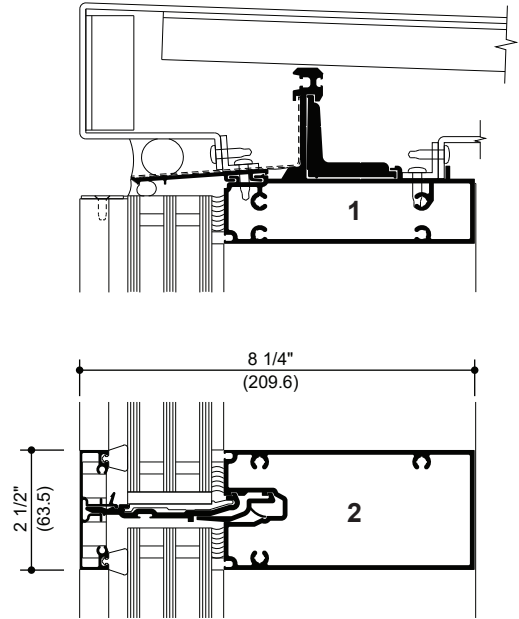
(With Captured System Only)

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**TYPICAL ELEVATION**  
(CAPTURED SYSTEM)



**OPTIONAL STEEL REINFORCING AS REQUIRED**

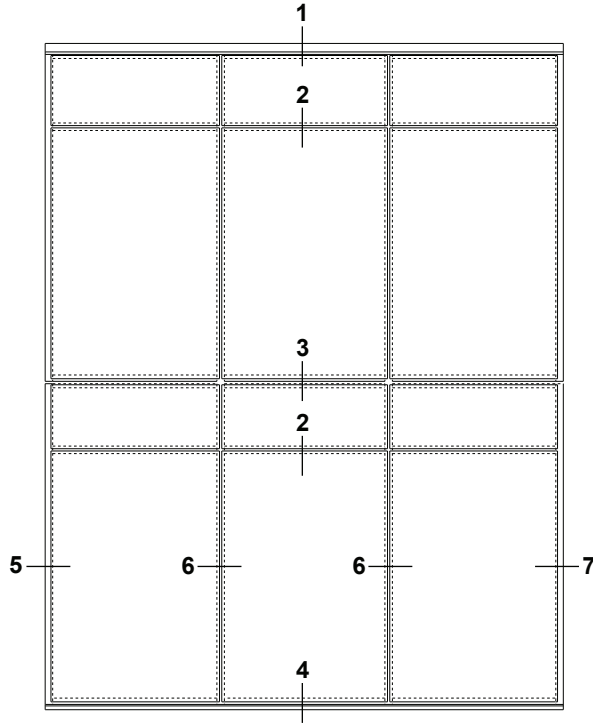
Structural Silicone Sealant (by Others)\*

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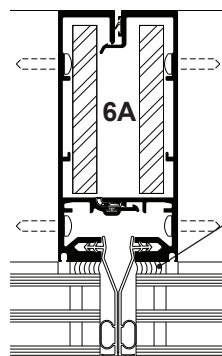
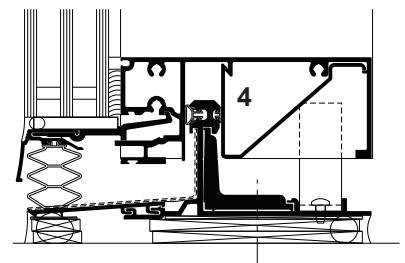
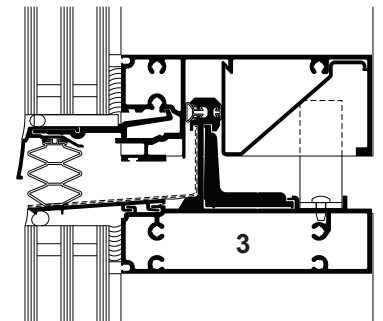
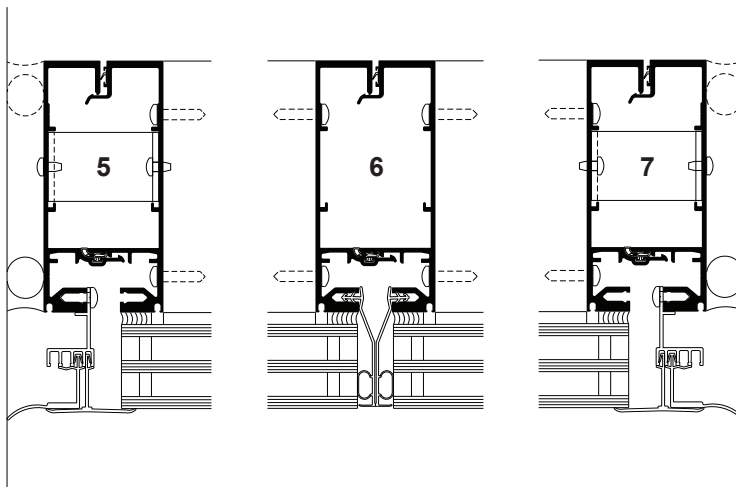
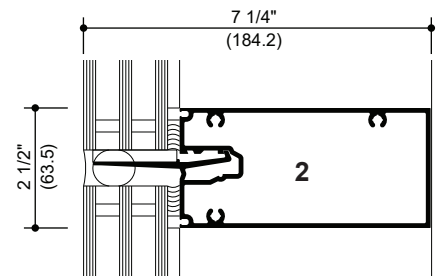
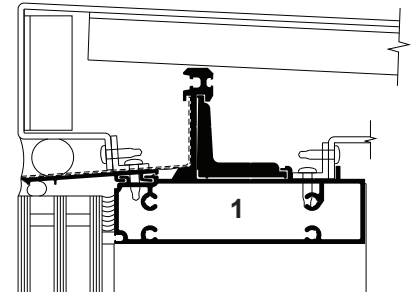
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TYPICAL ELEVATION  
(4-SIDED SSG SYSTEM)



Structural Silicone Sealant  
(by Others)\*

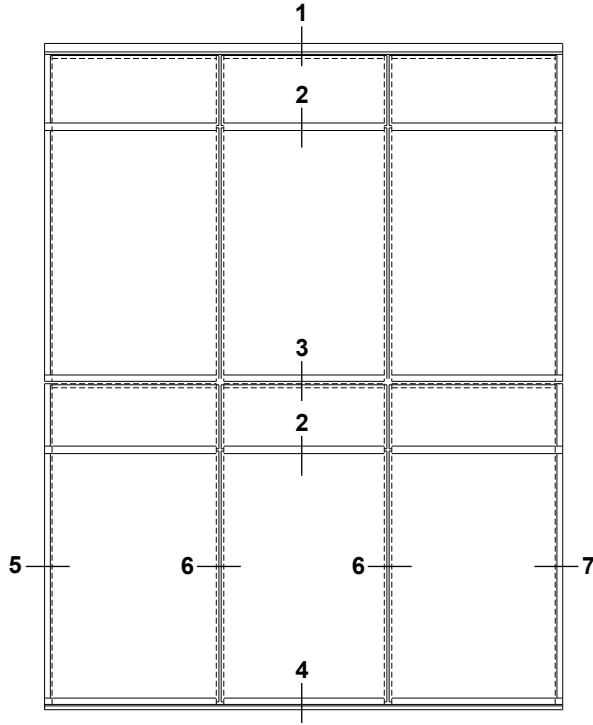
OPTIONAL STEEL  
REINFORCING  
AS REQUIRED

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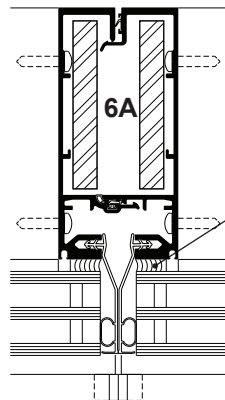
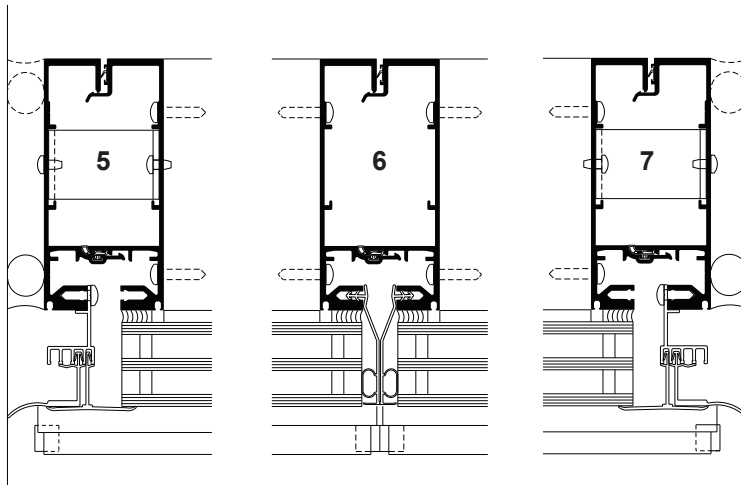
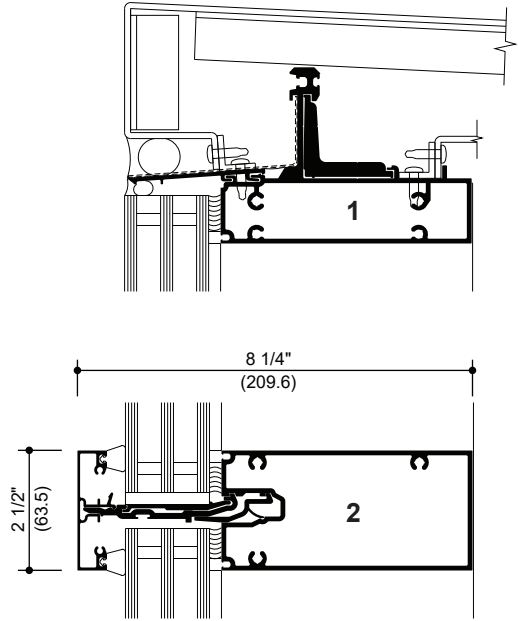
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**TYPICAL ELEVATION**  
(VERTICAL SSG SYSTEM)



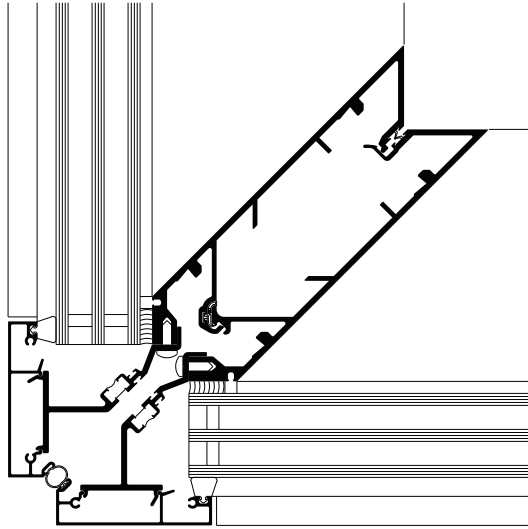
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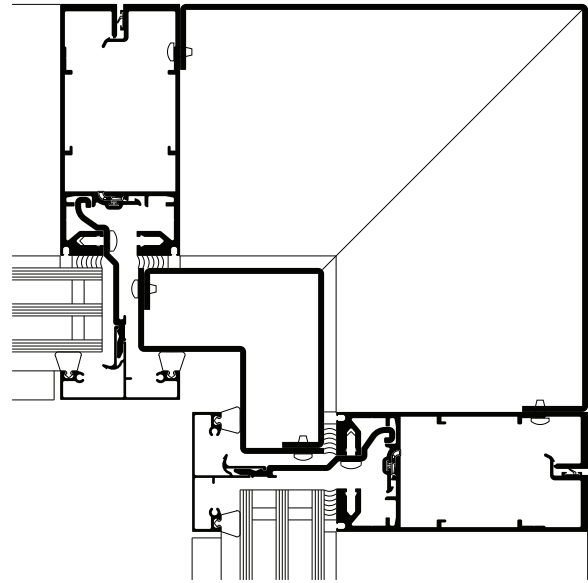
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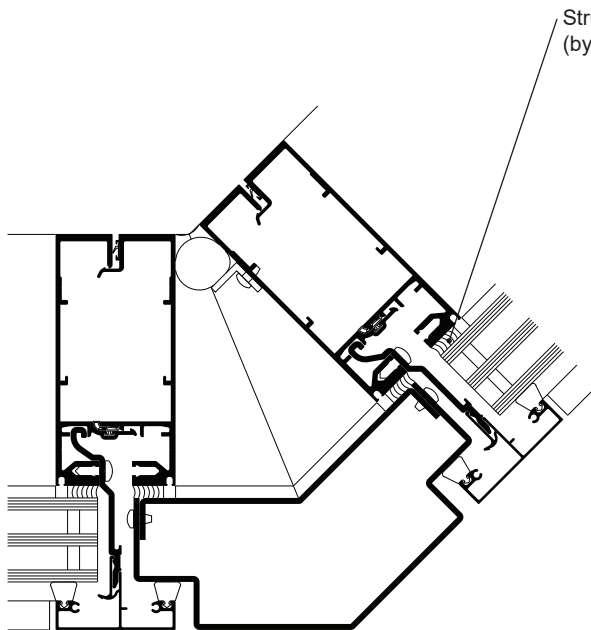
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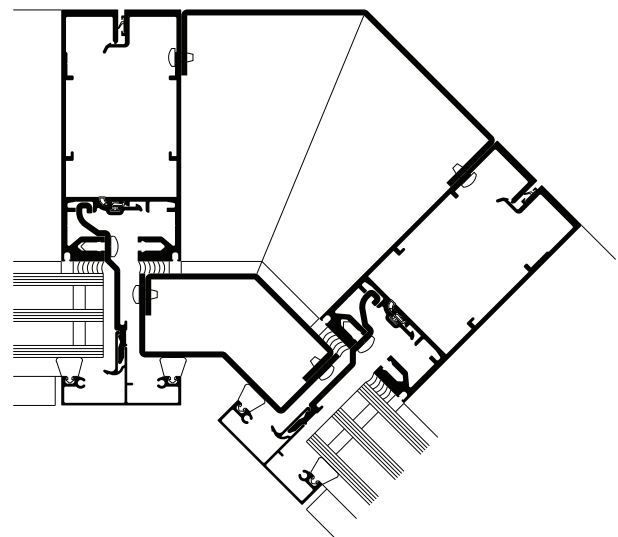
90° OUTSIDE CORNER



90° INSIDE CORNER



135° OUTSIDE CORNER



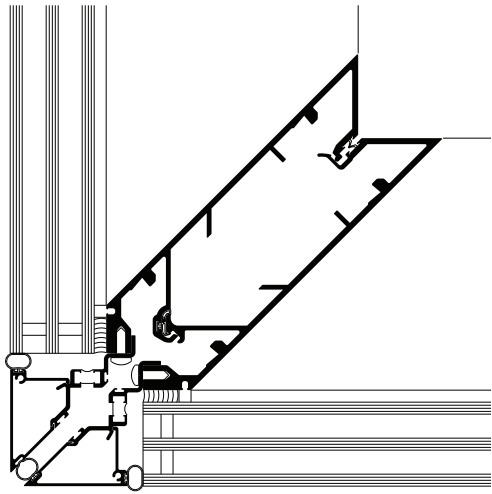
135° INSIDE CORNER

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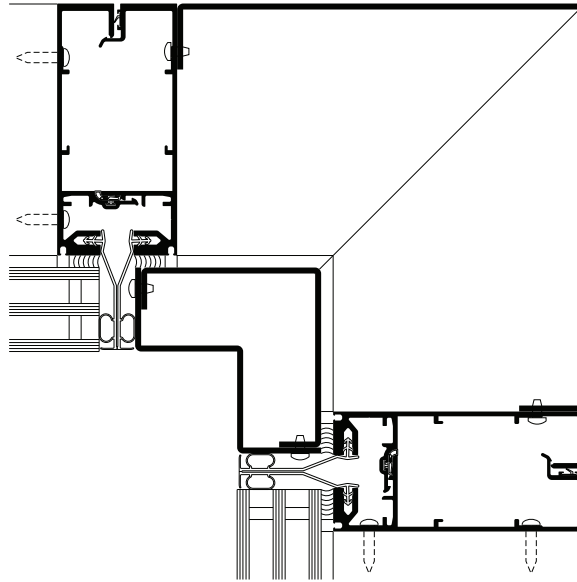
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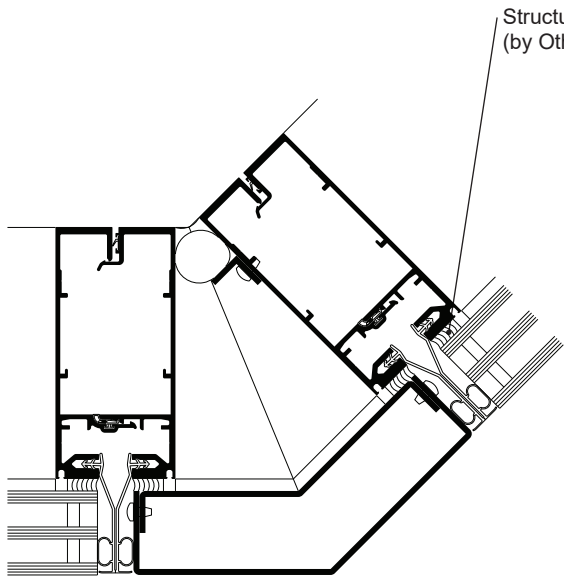
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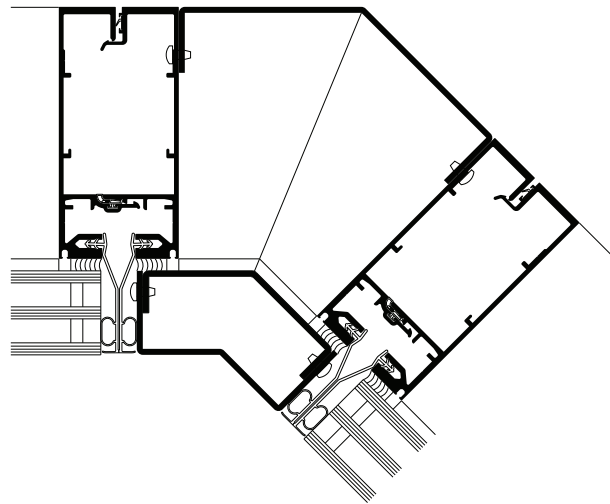
90° SSG OUTSIDE CORNER



90° SSG INSIDE CORNER



135° SSG OUTSIDE CORNER



135° SSG INSIDE CORNER

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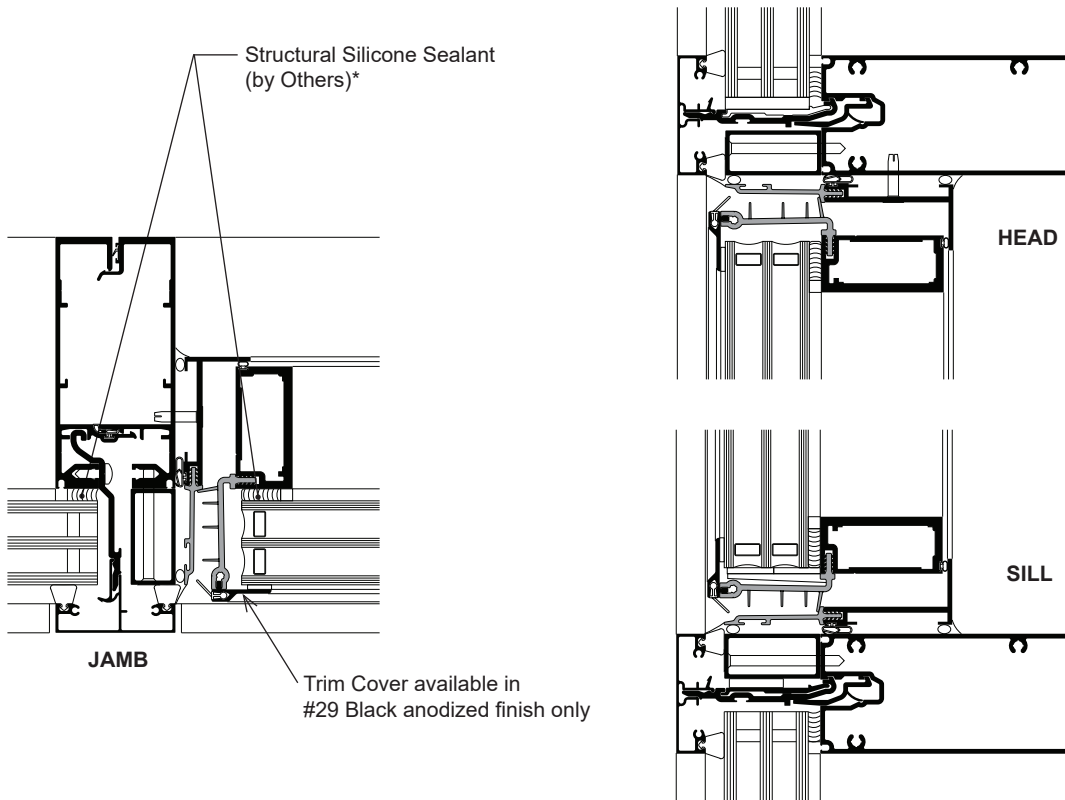
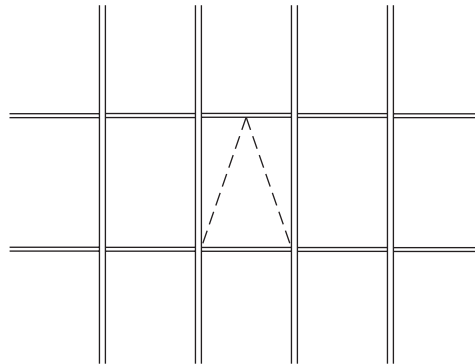
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Additional information and CAD details are available at [www.kawneer.com](http://www.kawneer.com)

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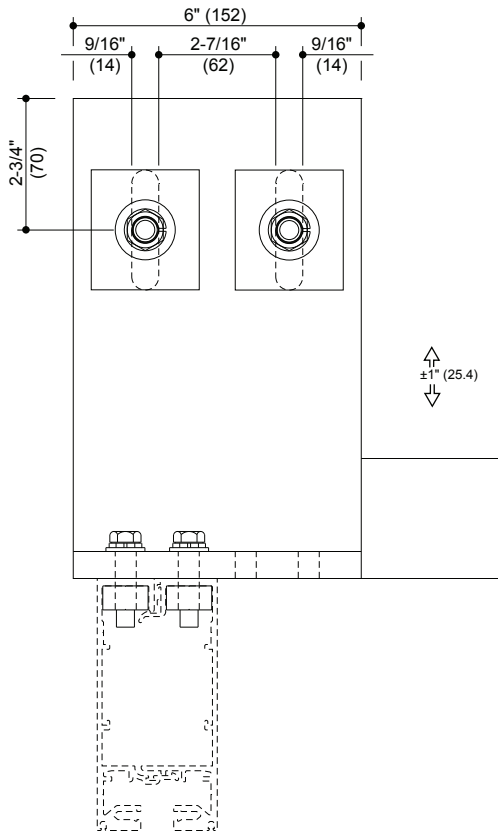
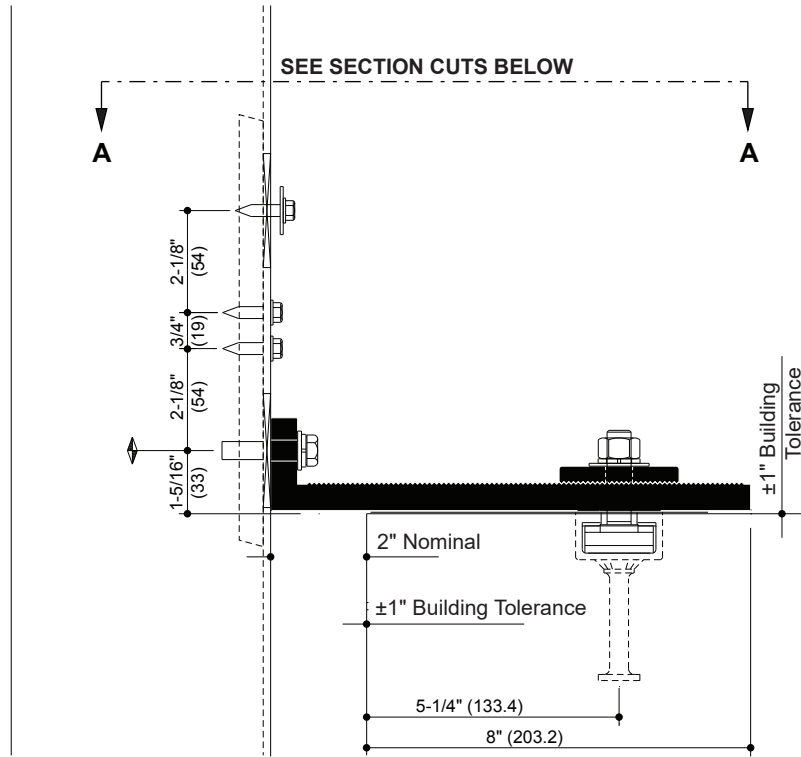
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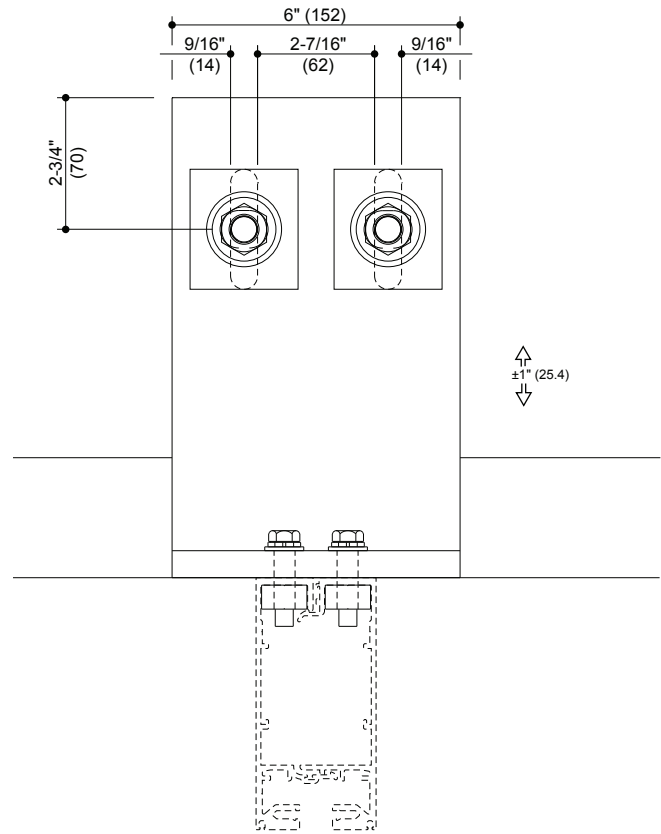
**Project-Out GLASSvent® UT Window Shown  
Casement Window Similar**

(With Captured System Only)

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



ANCHOR AT JAMB



ANCHOR AT MULLION

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## 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 12,000 psi (82.74 MPa), STEEL 20,000 psi (137.90 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 1-3/4" (44.5) thick glass supported on two setting blocks placed at the loading points shown.

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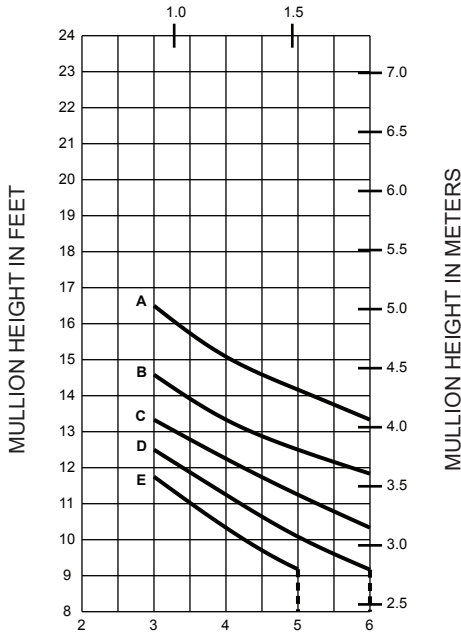
When mullion is used in a SSG application, curves become straight due to structural silicone limits, represented by dashed lines on chart. \*Charts are for typical spans, not beginning or ending spans. C/L of stack horizontal to be at noted stool height above C/L of anchor.

----- SSG Structural Silicone Limit - Silicone joint contact is .625".

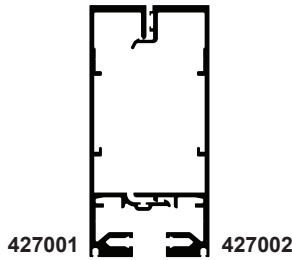
	Allowable Stress Design Load	LRFD Ultimate Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	50 PSF (2400)	83 PSF (4000)
E =	60 PSF (2880)	100 PSF (4790)

### SINGLE SPAN

MULLION CENTERS IN METERS



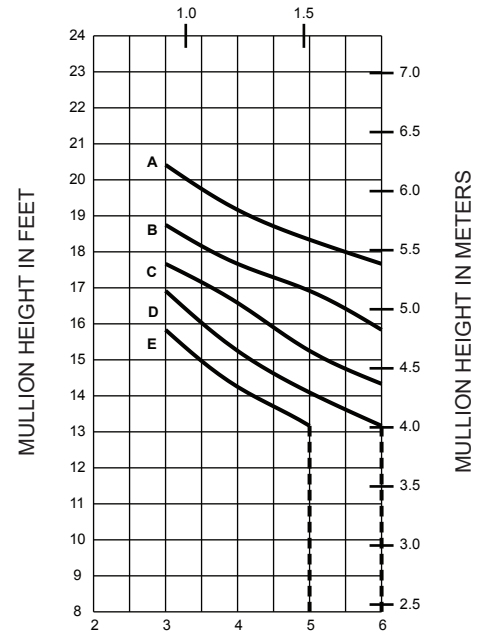
MULLION CENTERS IN FEET



$I = 9.424 (392.25 \times 10^4)$   
 $S = 3.208 (52.57 \times 10^3)$

### \*MULTI-SPAN 24" SPLICE LOCATION

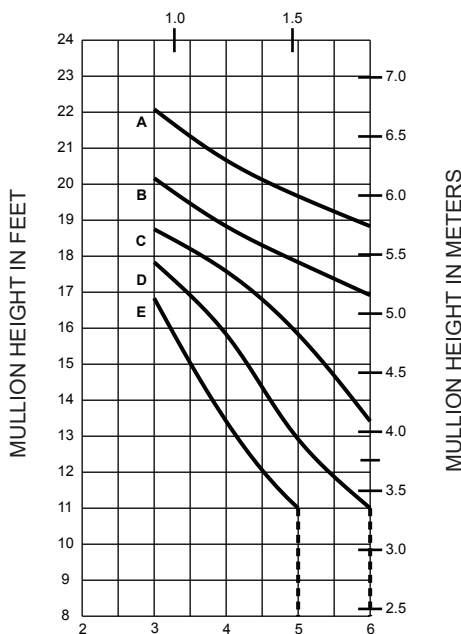
MULLION CENTERS IN METERS



MULLION CENTERS IN FEET

### \*MULTI-SPAN 30" SPLICE LOCATION

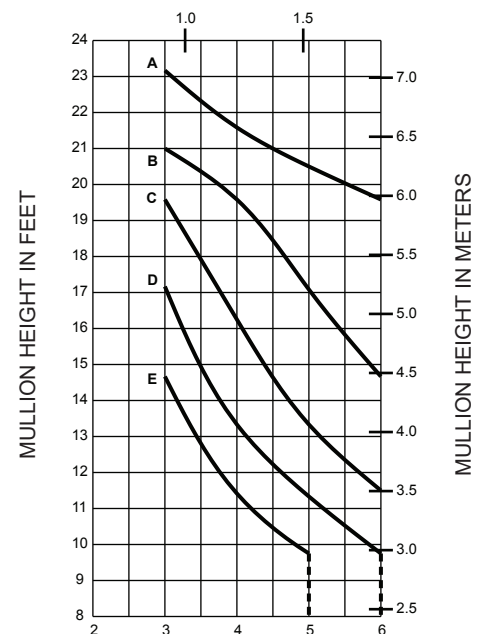
MULLION CENTERS IN METERS



MULLION CENTERS IN FEET

### \*MULTI-SPAN 36" SPLICE LOCATION

MULLION CENTERS IN METERS



MULLION CENTERS IN FEET

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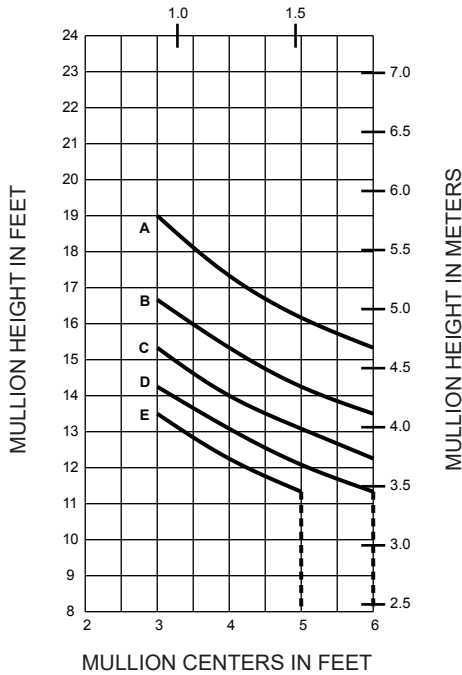
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When mullion is used in a SSG application, curves become straight due to structural silicone limits, represented by dashed lines on chart. \*Charts are for typical spans, not beginning or ending spans. C/L of stack horizontal to be at noted stool height above C/L of anchor.

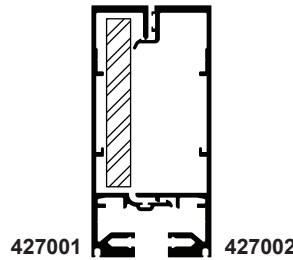
----- SSG Structural Silicone Limit - Silicone joint contact is .625".

### SINGLE SPAN with 1/2" x 3-1/2" Steel Bar

MULLION CENTERS IN METERS



	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)

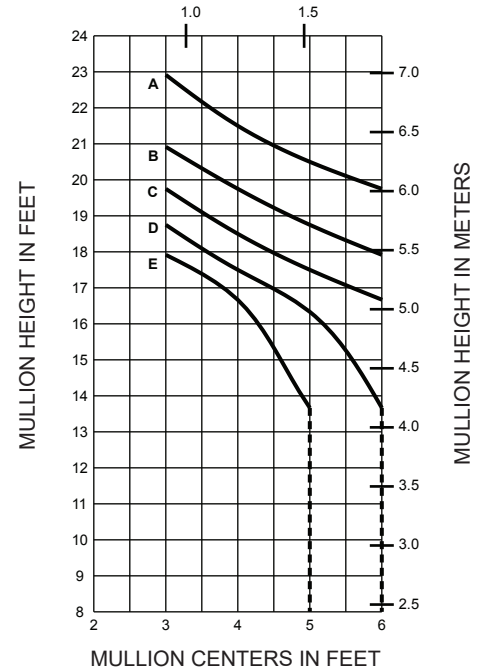


WITH 1/2" x 3-1/2" STEEL BAR

(Aluminum)  
 $I = 9.424 (392.25 \times 10^4)$   
 $S = 3.208 (52.57 \times 10^3)$   
 (Steel)  
 $I = 1.786 (74.34 \times 10^4)$   
 $S = 1.021 (16.73 \times 10^3)$

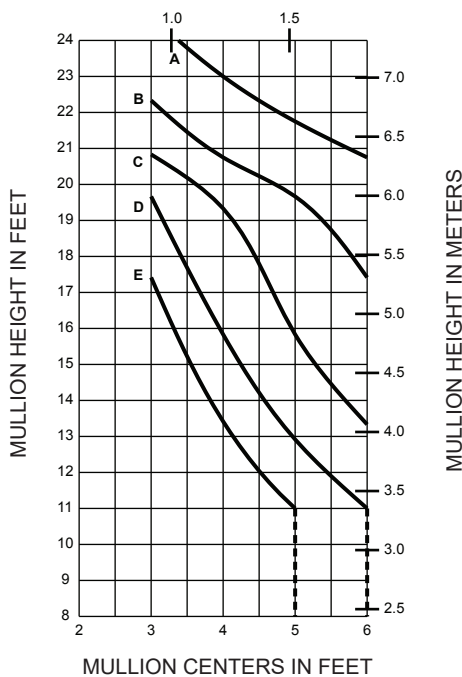
### \*MULTI-SPAN 24" SPLICE LOCATION with 1/2" x 3-1/2" Steel Bar

MULLION CENTERS IN METERS



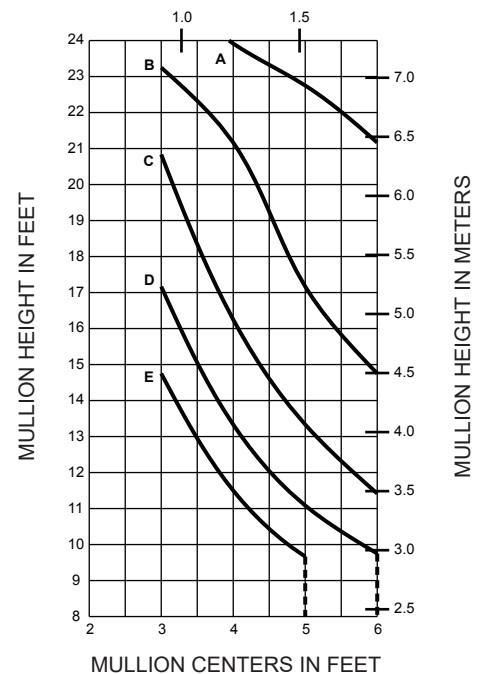
### \*MULTI-SPAN 30" SPLICE LOCATION with 1/2" x 3-1/2" Steel Bar

MULLION CENTERS IN METERS



### \*MULTI-SPAN 36" SPLICE LOCATION with 1/2" x 3-1/2" Steel Bar

MULLION CENTERS IN METERS



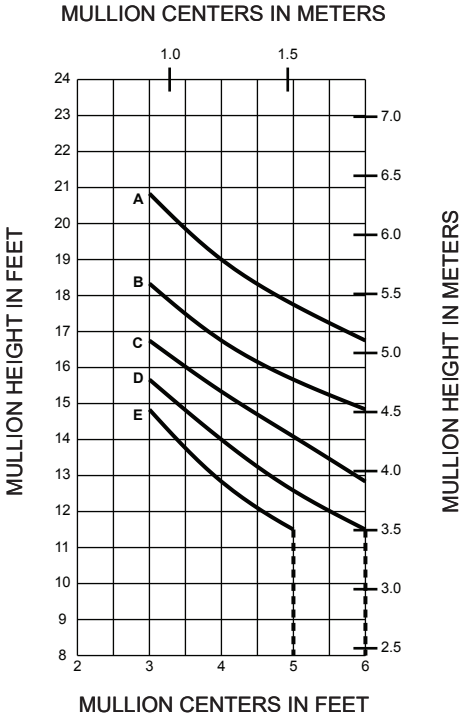
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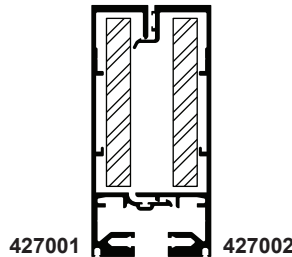
When mullion is used in a SSG application, curves become straight due to structural silicone limits, represented by dashed lines on chart. \*Charts are for typical spans, not beginning or ending spans. C/L of stack horizontal to be at noted stool height above C/L of anchor.

----- SSG Structural Silicone Limit - Silicone joint contact is .625".

**SINGLE SPAN**  
with (2) 1/2" x 3-1/2" Steel Bars



	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)



WITH (2) 1/2" x 3-1/2" STEEL BARS

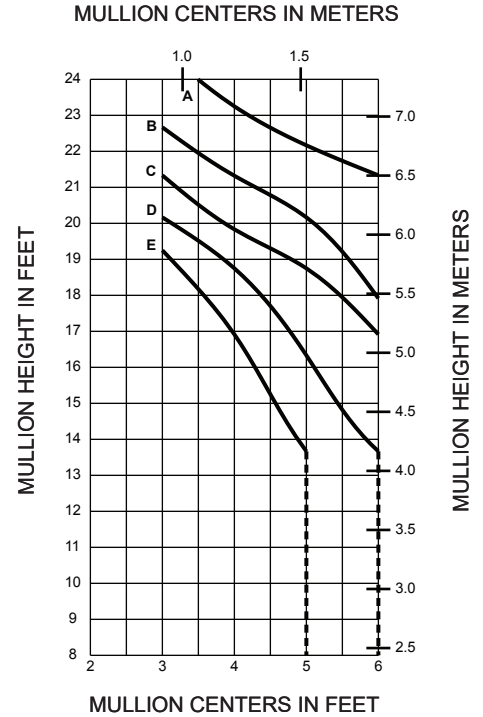
(Aluminum)

$I = 9.424 (392.25 \times 10^4)$   
 $S = 3.208 (52.57 \times 10^3)$

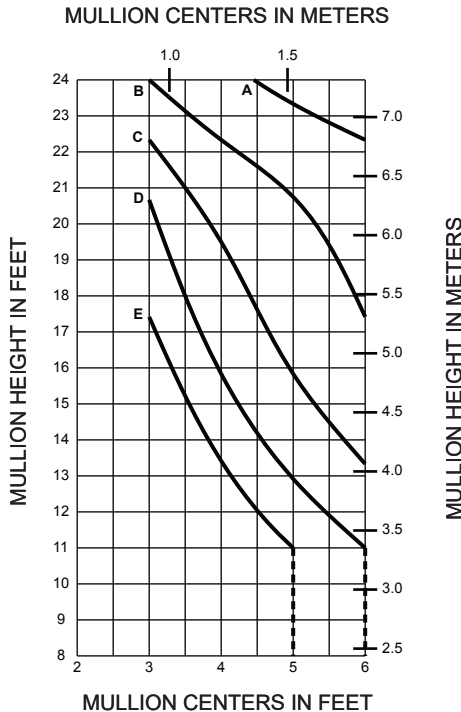
(Steel)

$I = 3.572 (148.67 \times 10^4)$   
 $S = 2.041 (33.44 \times 10^3)$

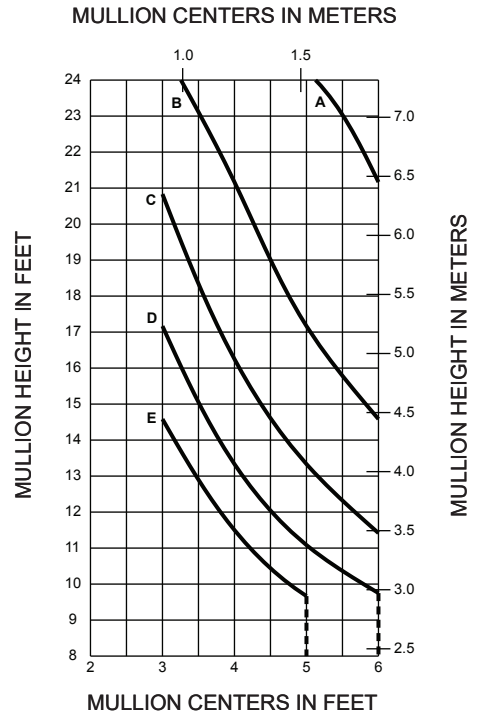
**\*MULTI-SPAN 24" SPLICE LOCATION**  
with (2) 1/2" x 3-1/2" Steel Bars



**\*MULTI-SPAN 30" SPLICE LOCATION**  
with (2) 1/2" x 3-1/2" Steel Bars



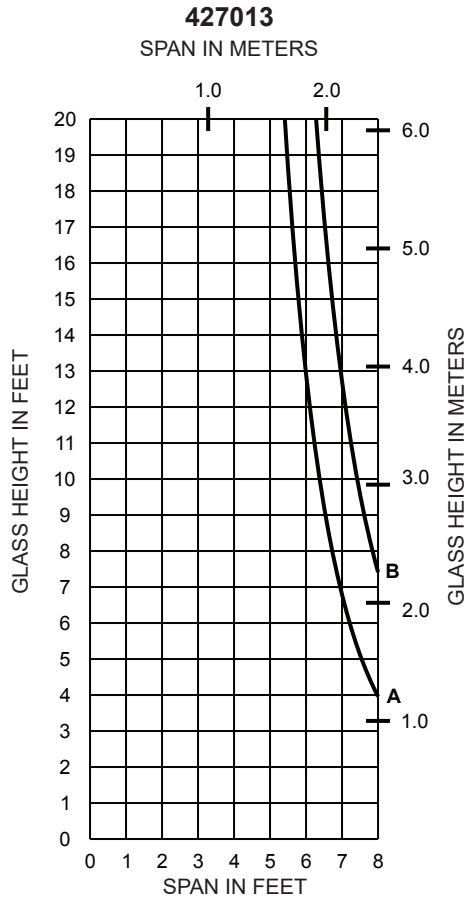
**\*MULTI-SPAN 36" SPLICE LOCATION**  
with (2) 1/2" x 3-1/2" Steel Bars



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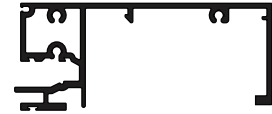
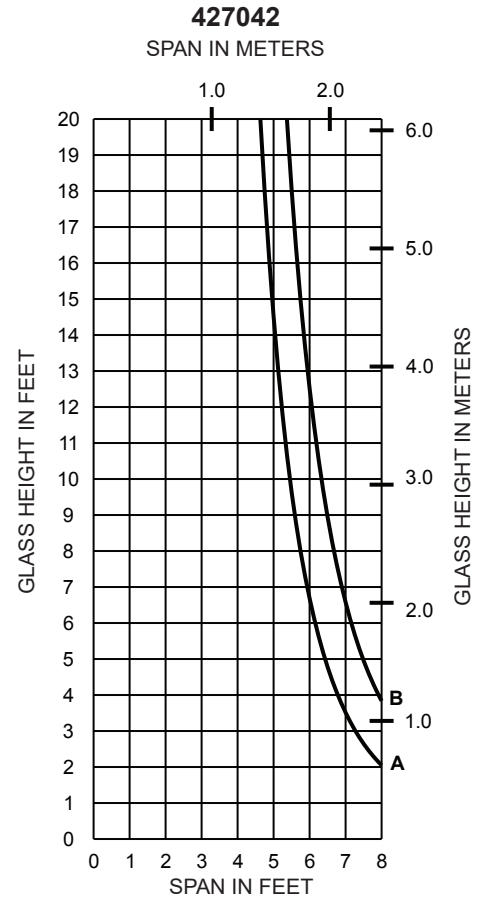
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A = 1" GLASS (1/4 POINT LOADING)  
B = 1" GLASS (1/8 POINT LOADING)



**427013**

$I = 1.967 (81.87 \times 10^4)$   
 $S = 1.515 (24.83 \times 10^3)$



**427042**

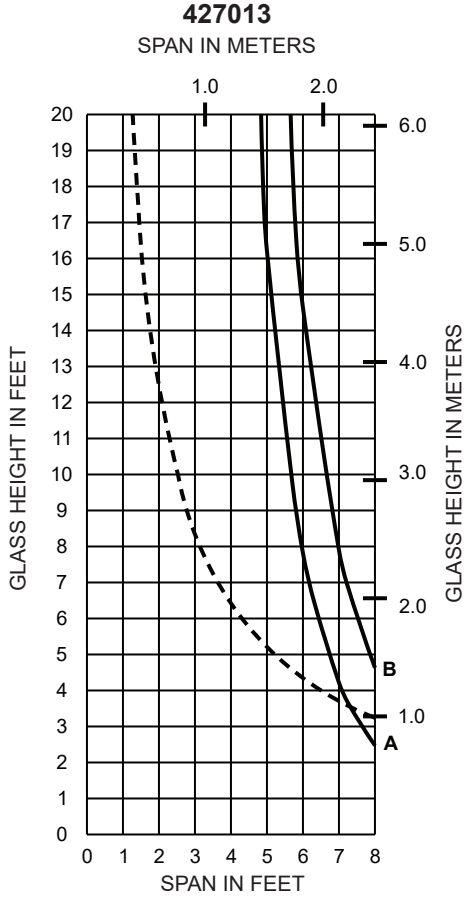
$I = 1.018 (42.37 \times 10^4)$   
 $S = 0.728 (11.93 \times 10^3)$

Laws and building and safety codes governing the design and use of Kawneer products, such as 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.

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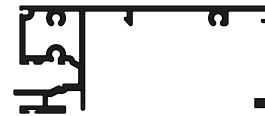
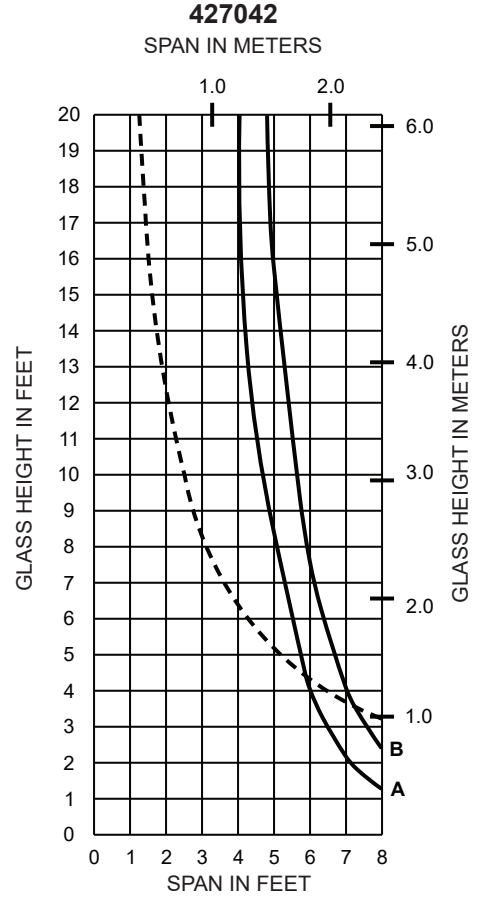
A = 1-3/4" GLASS (1/4 POINT LOADING)  
 B = 1-3/4" GLASS (1/8 POINT LOADING)

----- Horizontal framing above the dashed curve requires glass chair and setting blocks to be doubled up, due to maximum 125 lb. Glass weight limit per glass chair.



**427013**

I = 1.967 (81.87 x 10<sup>4</sup>)  
 S = 1.515 (24.83 x 10<sup>3</sup>)



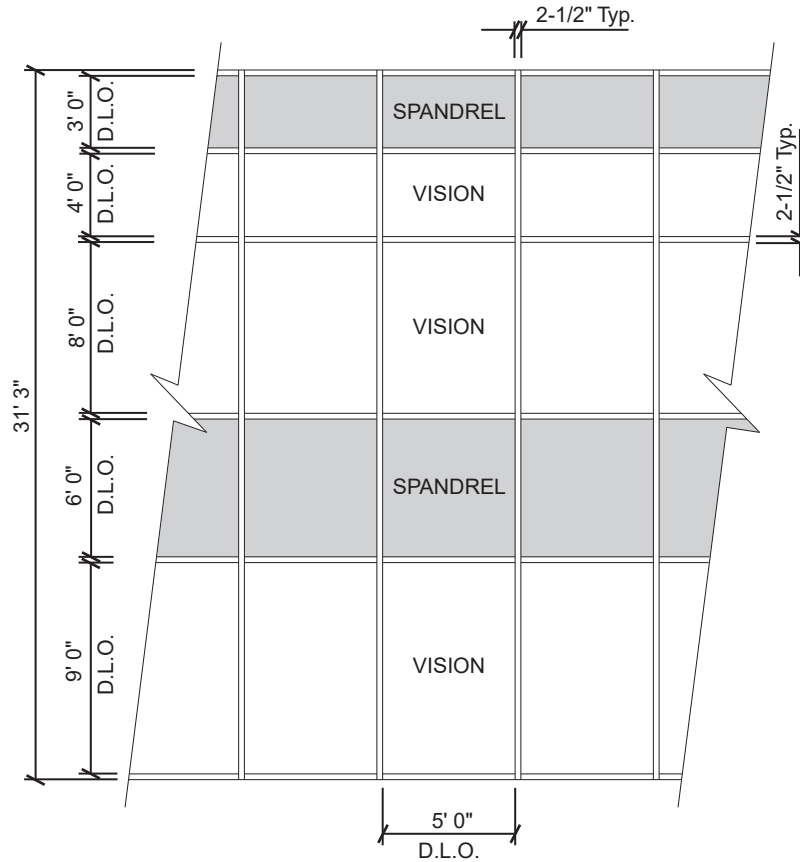
**427042**

I = 1.018 (42.37 x 10<sup>4</sup>)  
 S = 0.728 (11.93 x 10<sup>3</sup>)

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**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 = 0.42 Btu/(ft<sup>2</sup> · h · °F)

Vision Area = 5(9 + 8 + 4) = 105.0 ft<sup>2</sup>

Total Area (Vision) = 5' 2-1/2" (9' 3-3/4" + 8' 2-1/2" + 4' 2-1/2") = 113.2 ft<sup>2</sup>

Percentage of Vision Glass = (Vision Area ÷ Total Area)100  
= (105.0 ÷ 113.2)100 = 93%

**Spandrel Area**

Example Spandrel R-value = 15 (ft<sup>2</sup> · h · °F)/Btu

Spandrel Area = 5(6 + 3) = 45.0 ft<sup>2</sup>

Total Area (Spandrel) = 5' 2-1/2" (6' 2-1/2" + 3' 3-3/4") = 49.6 ft<sup>2</sup>

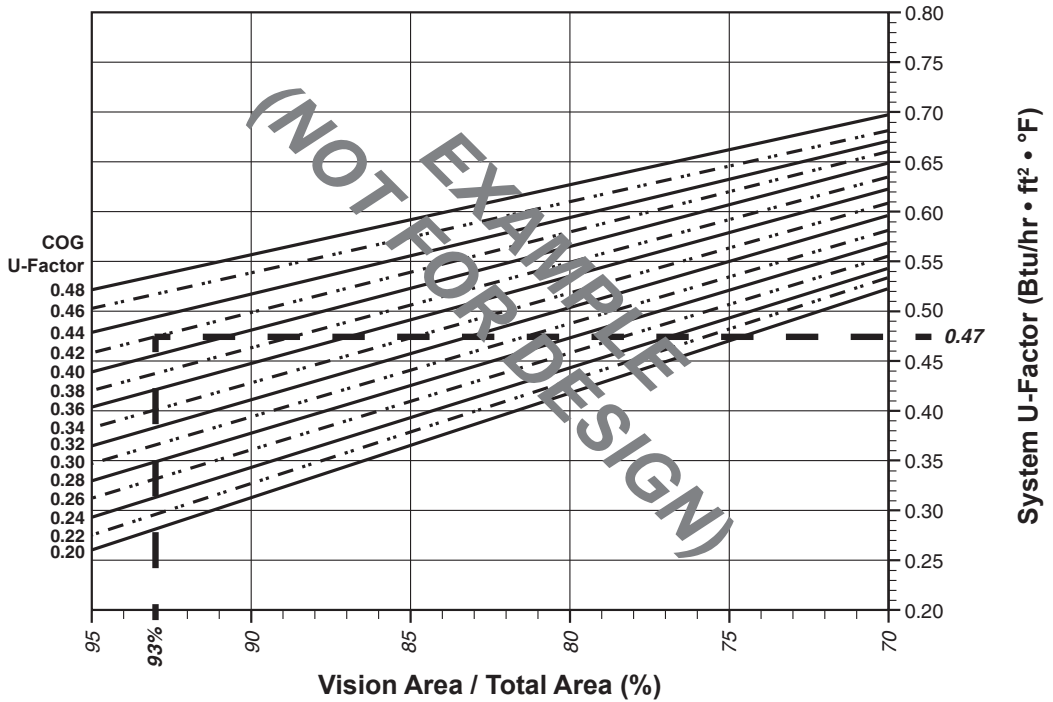
Percent of Spandrel = (Spandrel Area ÷ Total Area)100  
= (45.0 ÷ 49.6)100 = 91%

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Vision Area Chart

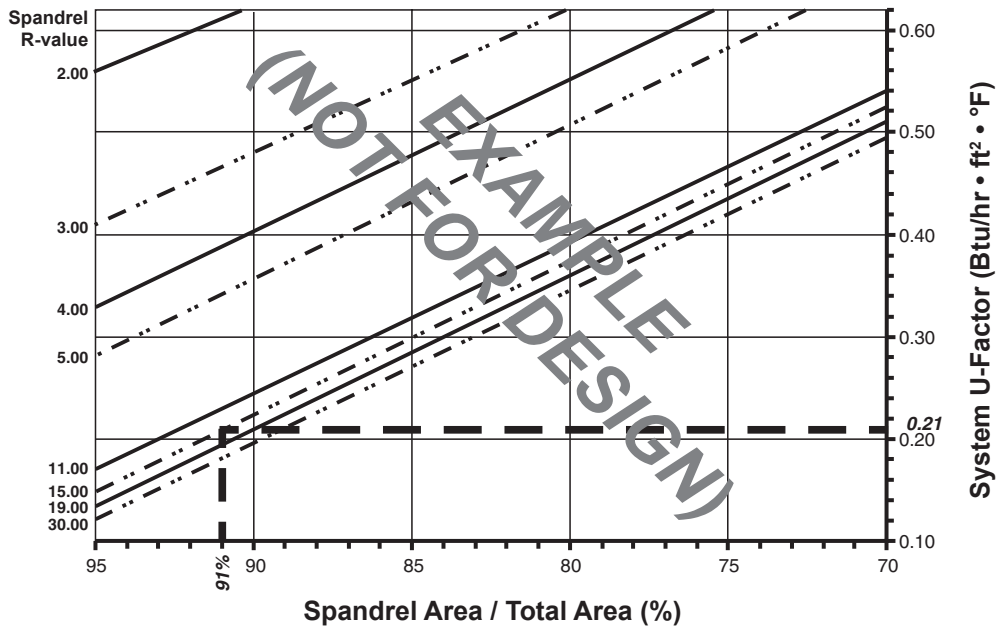
System U-factor vs Percent of Vision Area



Based on 93% glass and center of glass U-Factor of 0.42  
System U-Factor is equal to 0.47 Btu/hr • ft² • °F

Spandrel Area Chart

System U-factor vs Percent of Spandrel Area



Based on 91% spandrel and center of spandrel R-value of 15,  
system U-factor is equal to 0.21 Btu/hr • ft² • °F

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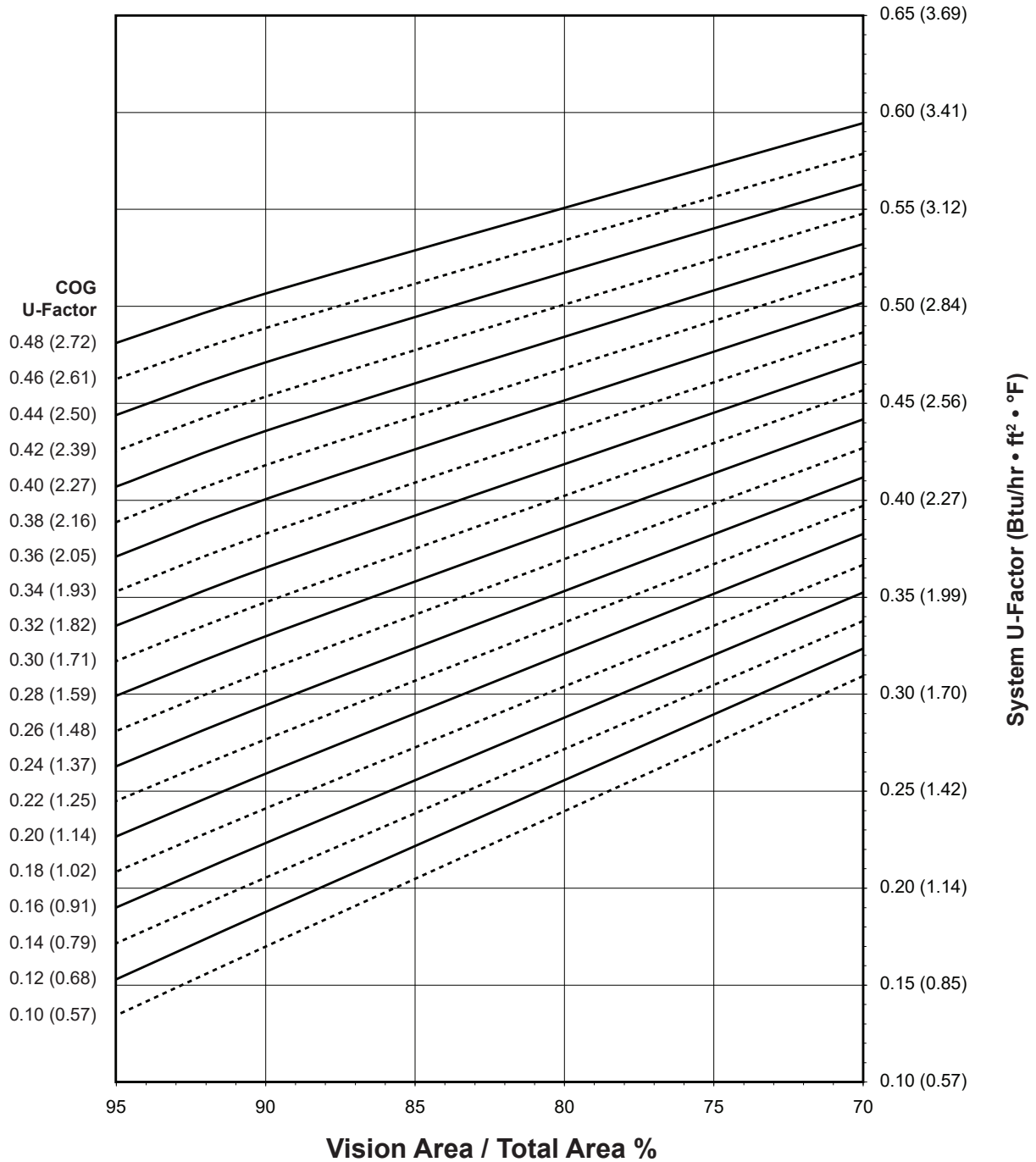
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**2500 UT - CAPTURED SYSTEM**  
**1" Double Glazed - Warm-Edge Glazing Spacer**

**Note:**

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

**System U-Factor vs Percent of Glass Area**



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

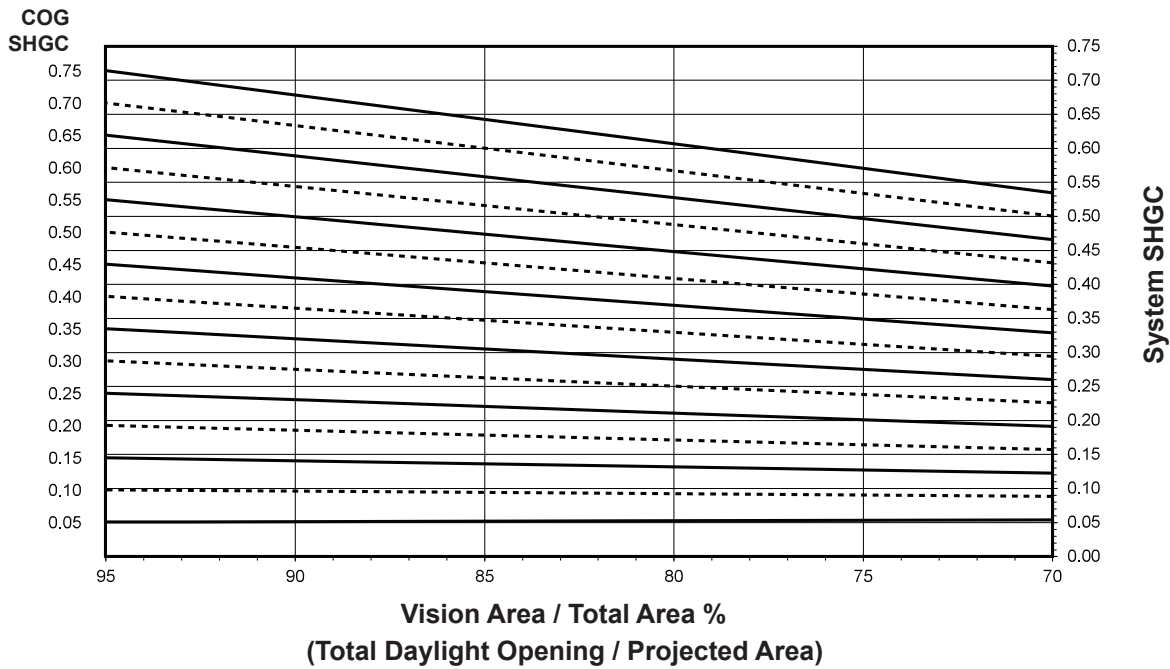
For glass values that are not listed, linear interpolation is permitted.  
Glass properties are based on center of glass values and are obtained from your glass supplier.

Laws and building and safety codes governing the design and use of Kawneer products, such as 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.

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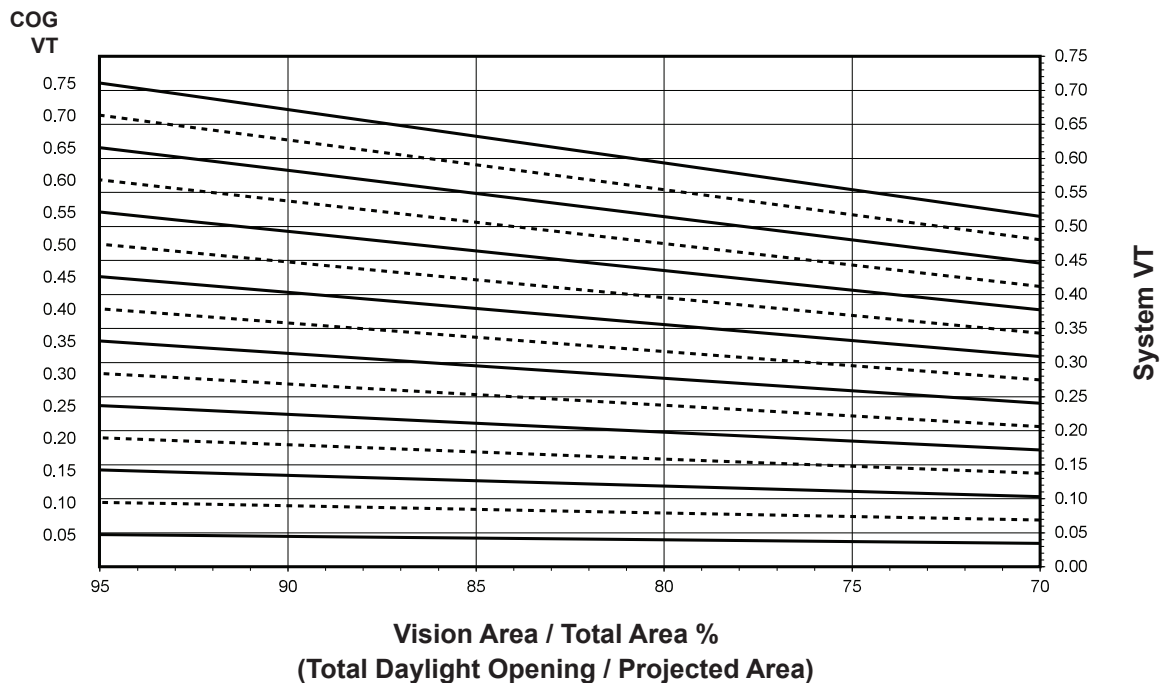
## 2500 UT - CAPTURED SYSTEM 1" Double Glazed - Warm-Edge Glazing Spacer

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



Charts are generated per AAMA 507

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



Laws and building and safety codes governing the design and use of Kawneer products, such as 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.

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**Thermal Transmittance <sup>1</sup> (BTU/hr • ft <sup>2</sup> • °F)**

Glass U-Factor <sup>3</sup>	Overall U-Factor <sup>4</sup>
0.48	0.51
0.46	0.49
0.44	0.47
0.42	0.46
0.40	0.44
0.38	0.42
0.36	0.40
0.34	0.39
0.32	0.37
0.30	0.35
0.28	0.33
0.26	0.32
0.24	0.30
0.22	0.28
0.20	0.26
0.18	0.24
0.16	0.23
0.14	0.21
0.12	0.19
0.10	0.17

**2500 UT - CAPTURED SYSTEM**

**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 <sup>2</sup>**

Glass SHGC <sup>3</sup>	Overall SHGC <sup>4</sup>
0.75	0.67
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	0.10
0.05	0.05

**Visible Transmittance <sup>2</sup>**

Glass VT <sup>3</sup>	Overall VT <sup>4</sup>
0.75	0.67
0.70	0.62
0.65	0.58
0.60	0.53
0.55	0.49
0.50	0.44
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

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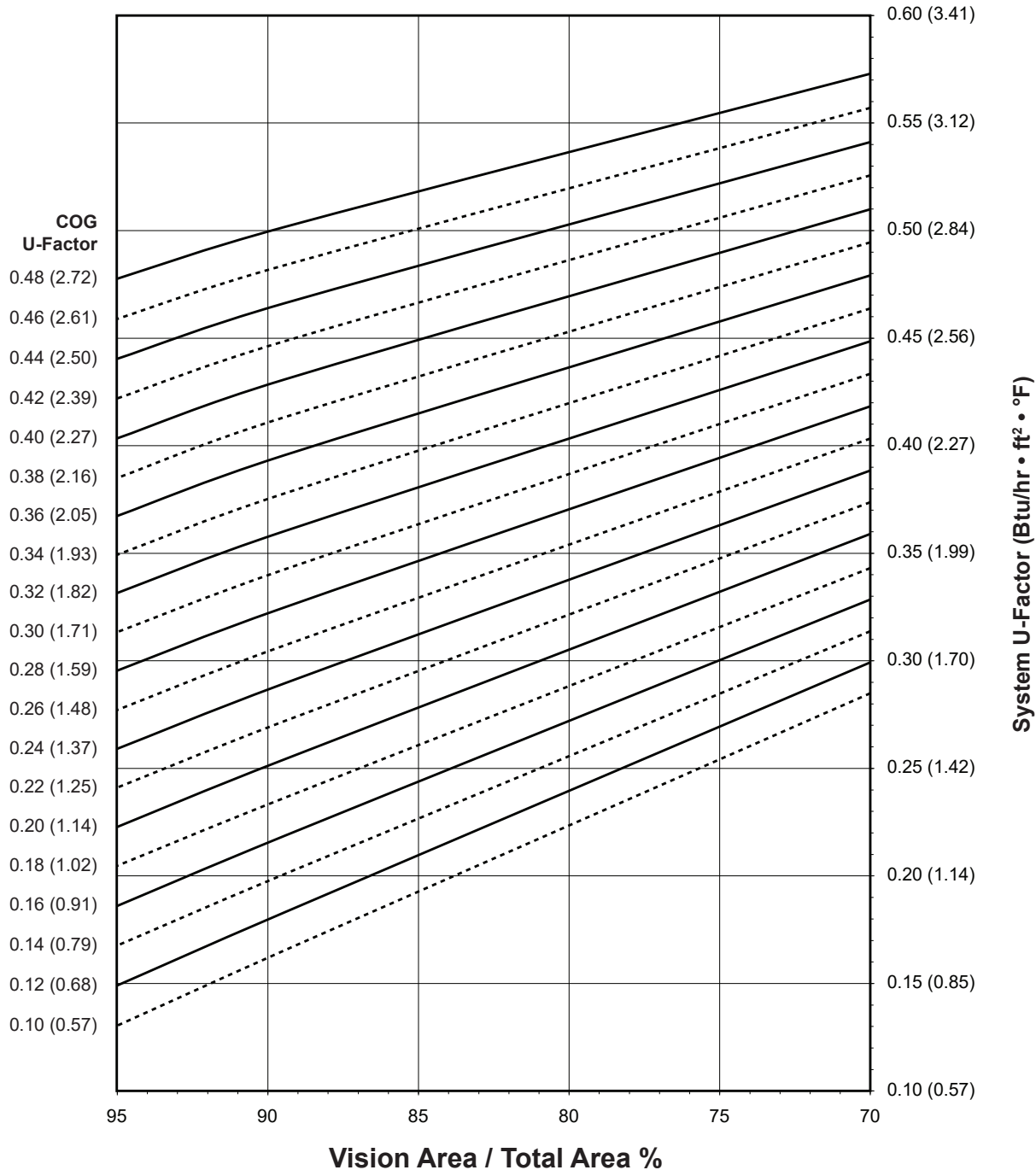
**2500 UT PLUS - CAPTURED SYSTEM**

**1" Double Glazed - Stainless Steel Glass Chair and Warm-Edge Glazing Spacer**

**Note:**

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

**System U-Factor vs Percent of Glass Area**



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

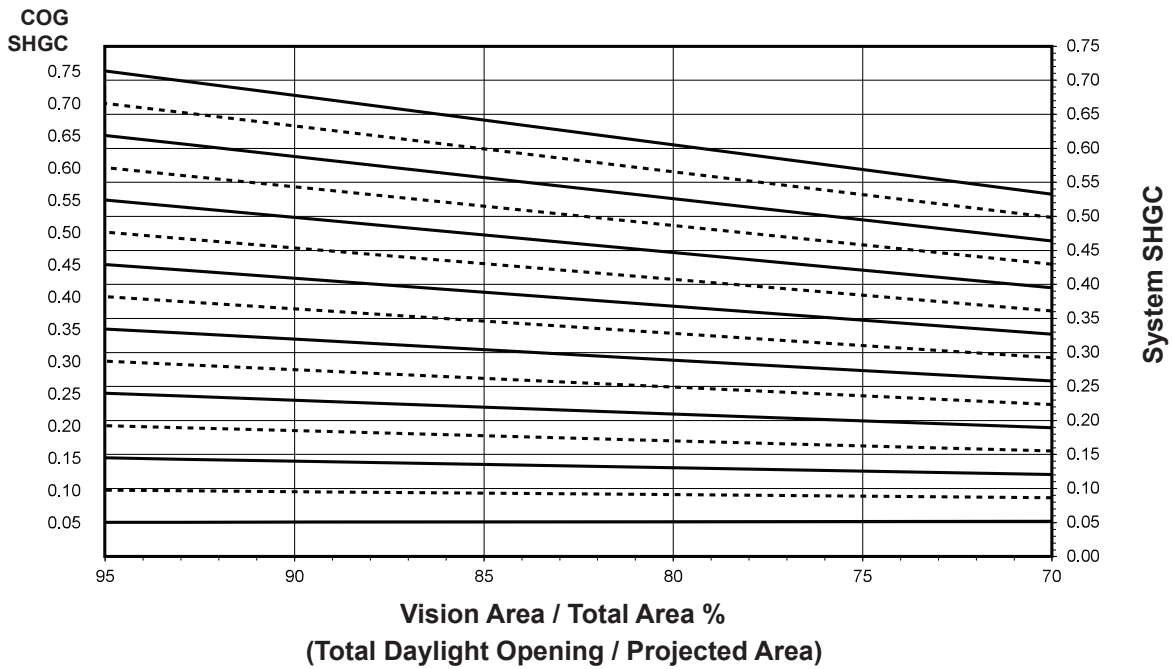
For glass values that are not listed, linear interpolation is permitted.  
 Glass properties are based on center of glass values and are obtained from your glass supplier.

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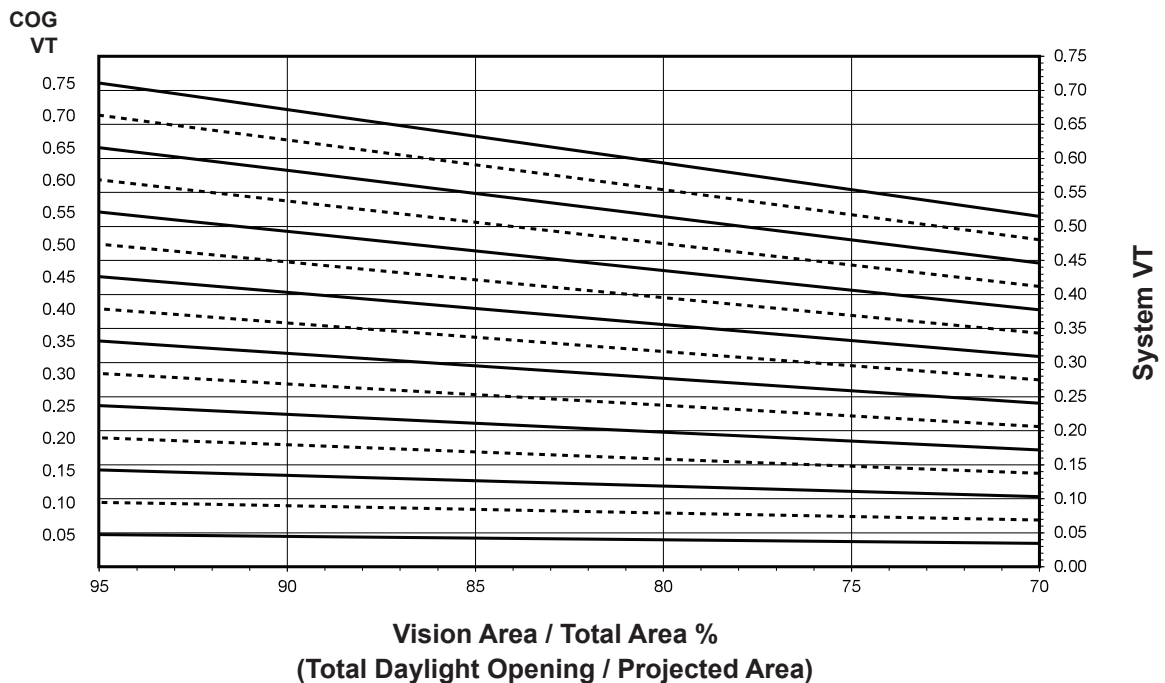
**2500 UT PLUS - CAPTURED SYSTEM**  
**1" Double Glazed - Stainless Steel Glass Chair and Warm-Edge Glazing Spacer**

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



Charts are generated per AAMA 507

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



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**Thermal Transmittance**<sup>1</sup> (BTU/hr • ft<sup>2</sup> • °F)

Glass U-Factor <sup>3</sup>	Overall U-Factor <sup>4</sup>
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	0.40
0.34	0.38
0.32	0.36
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	0.24
0.16	0.22
0.14	0.20
0.12	0.18
0.10	0.17

**2500 UT PLUS - CAPTURED SYSTEM****1" Double Glazed  
Stainless Steel Glass Chair and  
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**<sup>2</sup>

Glass SHGC <sup>3</sup>	Overall SHGC <sup>4</sup>
0.75	0.67
0.70	0.63
0.65	0.58
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	0.10
0.05	0.05

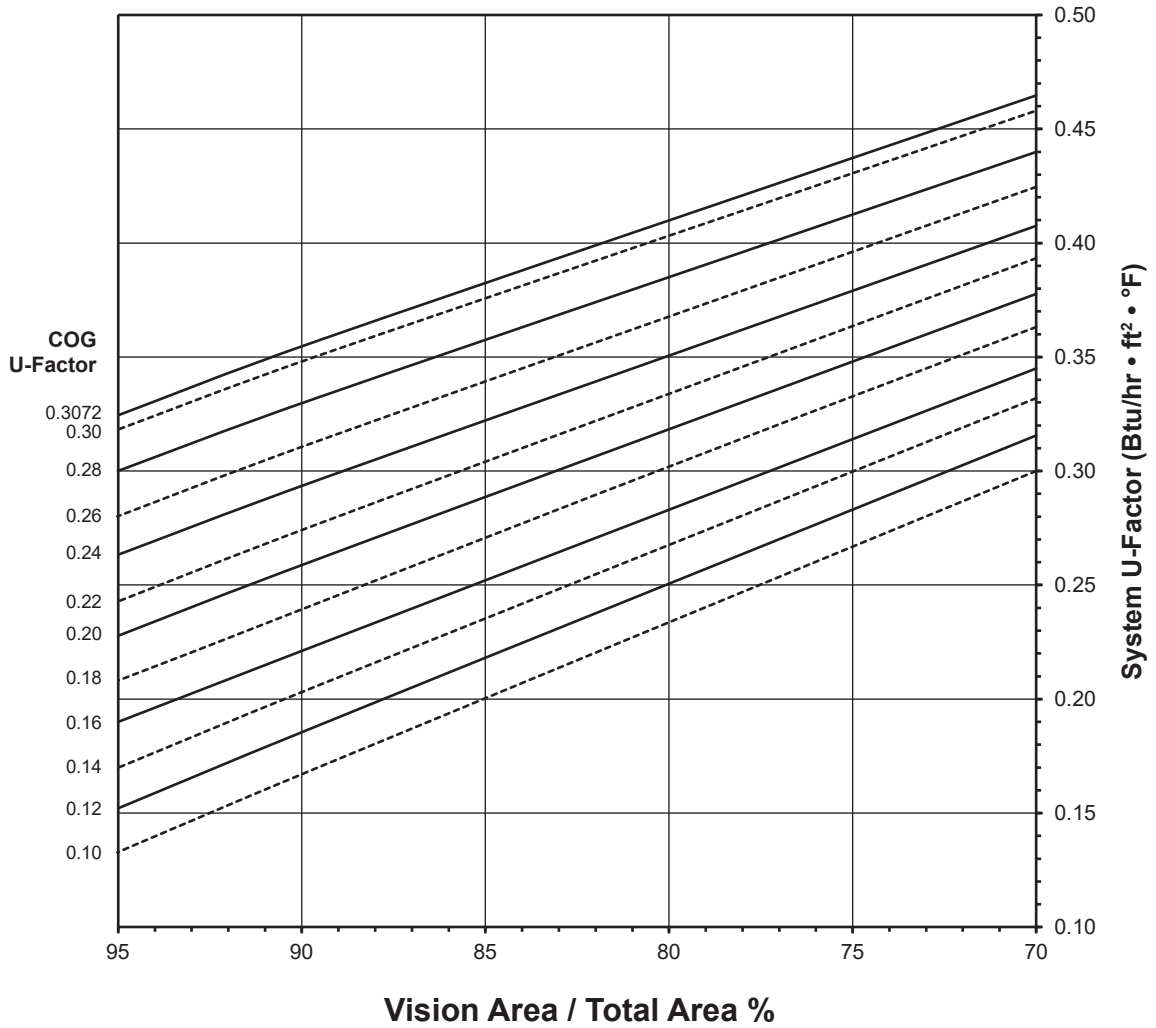
**Visible Transmittance**<sup>2</sup>

Glass VT <sup>3</sup>	Overall VT <sup>4</sup>
0.75	0.67
0.70	0.62
0.65	0.58
0.60	0.53
0.55	0.49
0.50	0.44
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

Laws and building and safety codes governing the design and use of Kawneer products, such as 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.

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**2500 UT - CAPTURED SYSTEM**  
**1-3/4" Triple Glazed - Warm-Edge Glazing Spacer**  
**System U-Factor vs Percent of Glass Area**



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

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

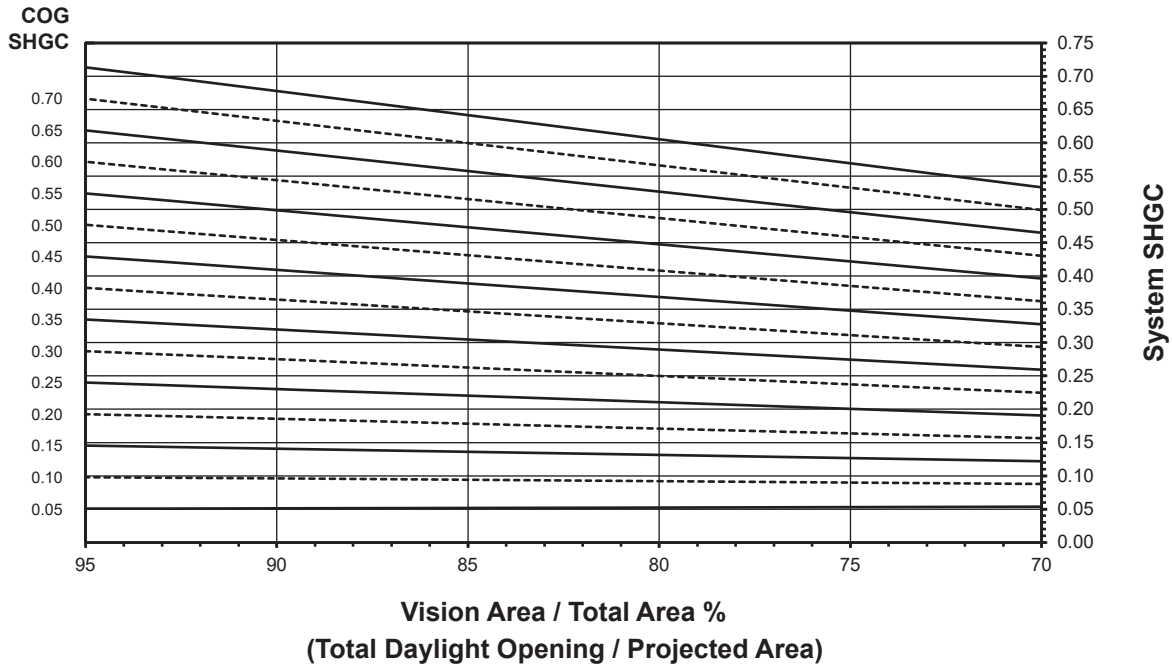
Glass properties are based on center of glass values and are obtained from your glass supplier.

Laws and building and safety codes governing the design and use of Kawneer products, such as 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.

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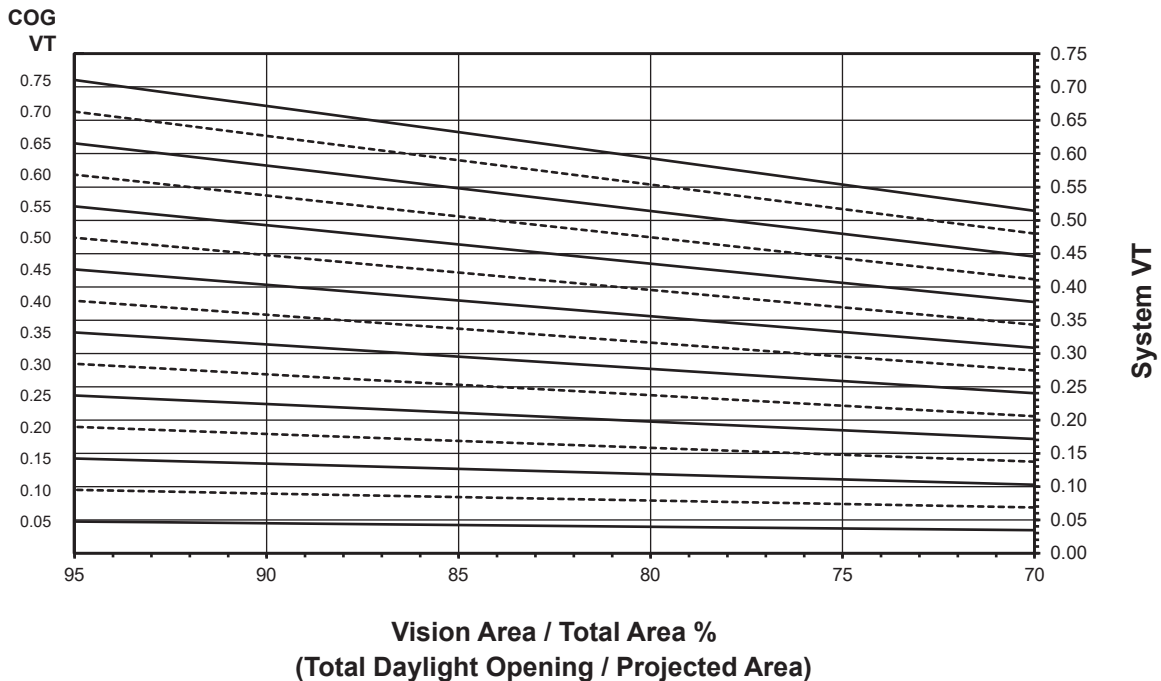
## 2500 UT - CAPTURED SYSTEM 1-3/4" Triple Glazed - Warm-Edge Glazing Spacer

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



Charts are generated per AAMA 507

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



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**Thermal Transmittance <sup>1</sup> (BTU/hr • ft <sup>2</sup> • °F)**

Glass U-Factor <sup>3</sup>	Overall U-Factor <sup>4</sup>
0.31	0.36
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

**2500 UT - CAPTURED SYSTEM**

**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 <sup>2</sup>**

Glass SHGC <sup>3</sup>	Overall SHGC <sup>4</sup>
0.75	0.67
0.70	0.63
0.65	0.58
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	0.10
0.05	0.05

**Visible Transmittance <sup>2</sup>**

Glass VT <sup>3</sup>	Overall VT <sup>4</sup>
0.75	0.67
0.70	0.62
0.65	0.58
0.60	0.53
0.55	0.49
0.50	0.44
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

Laws and building and safety codes governing the design and use of Kawneer products, such as 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.

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**2500 UT PLUS - CAPTURED SYSTEM**

**1-3/4" Triple Glazed - Stainless Steel Glass Chair and Warm-Edge Glazing Spacer**

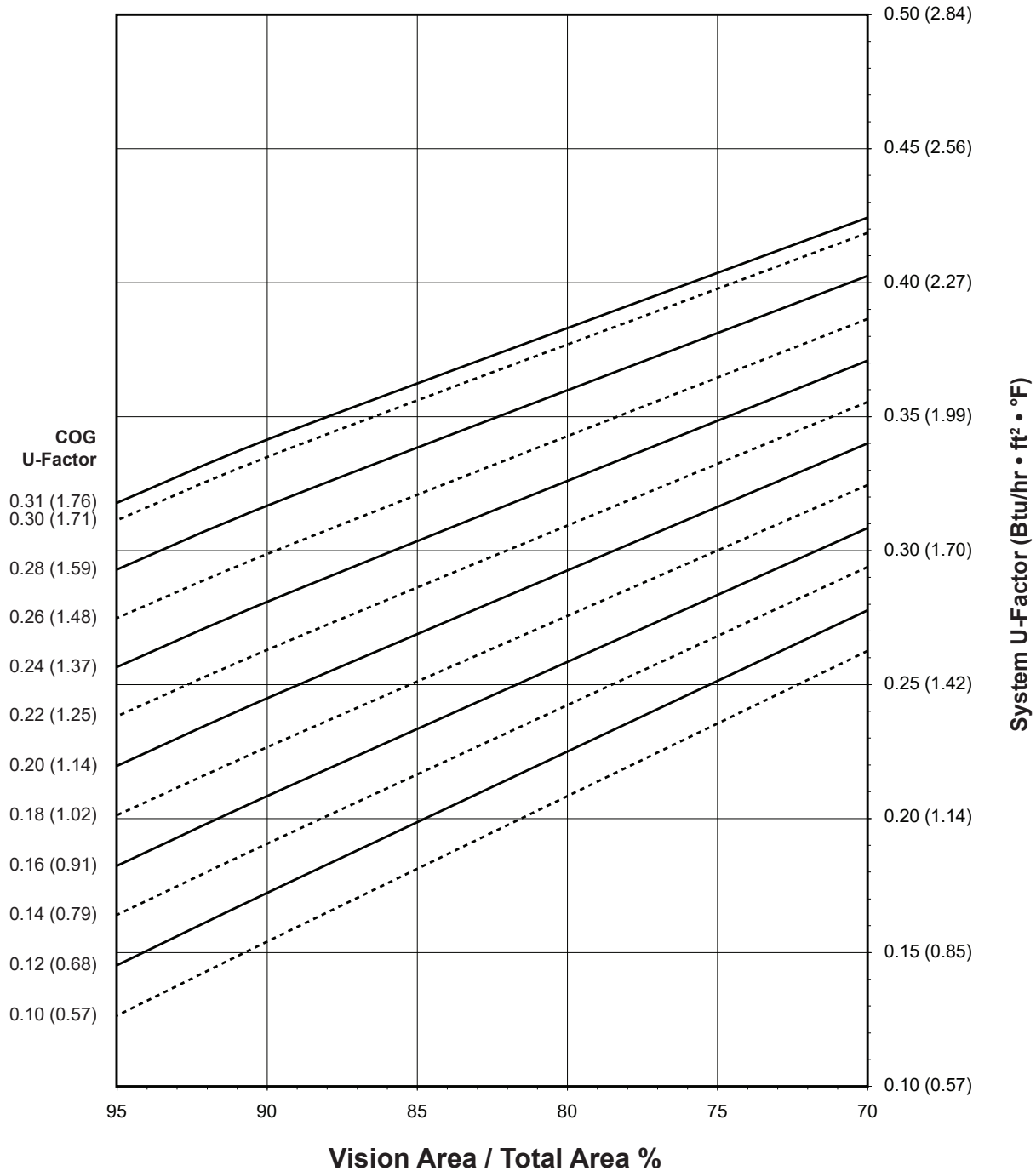
**Note:**

Values in parentheses are metric.

COG = Center of Glass.

Charts are generated per AAMA 507

**System U-Factor vs Percent of Glass Area**



**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.

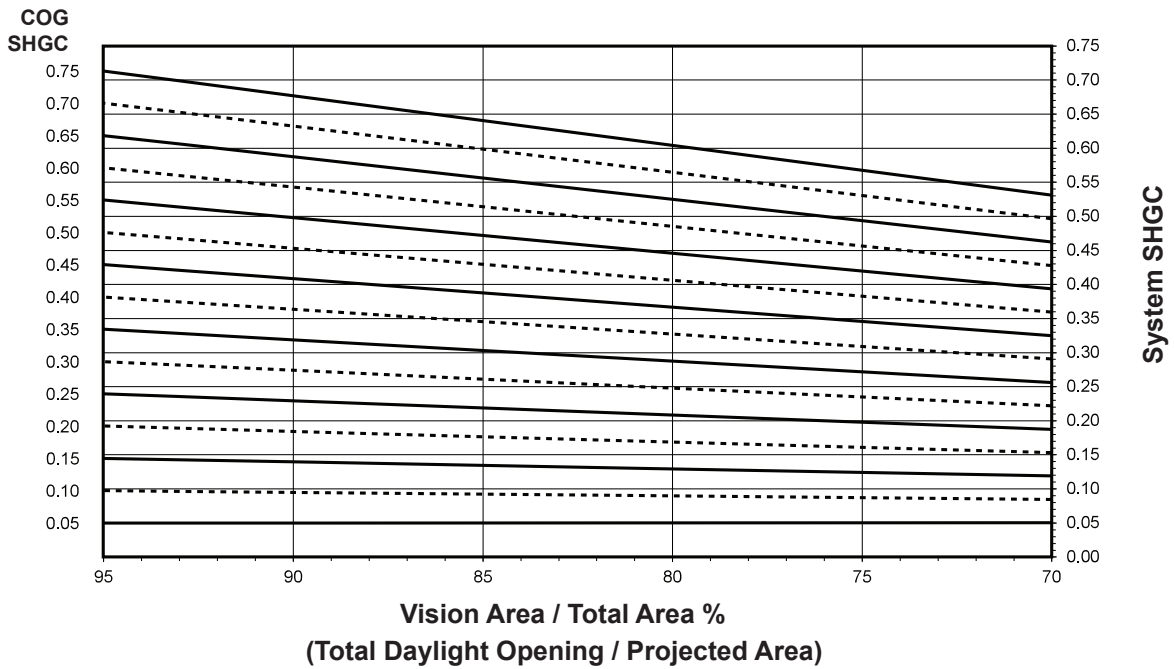
Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

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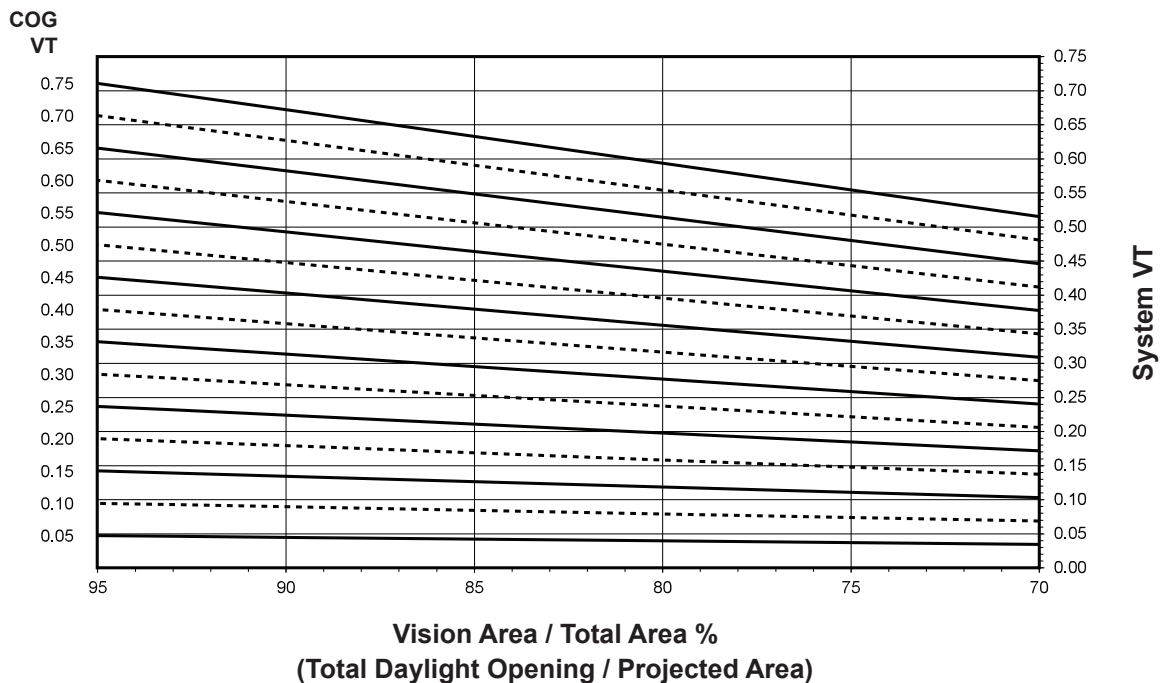
**2500 UT PLUS - CAPTURED SYSTEM**  
**1-3/4" Triple Glazed - Stainless Steel Glass Chair and Warm-Edge Glazing Spacer**

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



Charts are generated per AAMA 507

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



Laws and building and safety codes governing the design and use of Kawneer products, such as 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.

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**Thermal Transmittance**<sup>1</sup> (BTU/hr • ft<sup>2</sup> • °F)

Glass U-Factor <sup>3</sup>	Overall U-Factor <sup>4</sup>
0.31	0.34
0.30	0.34
0.28	0.32
0.26	0.30
0.24	0.28
0.22	0.27
0.20	0.25
0.18	0.23
0.16	0.21
0.14	0.19
0.12	0.18
0.10	0.16

**2500 UT PLUS - CAPTURED SYSTEM**
**1-3/4" Triple Glazed  
Stainless Steel Glass Chair and  
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**<sup>2</sup>

Glass SHGC <sup>3</sup>	Overall SHGC <sup>4</sup>
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	0.41
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

**Visible Transmittance**<sup>2</sup>

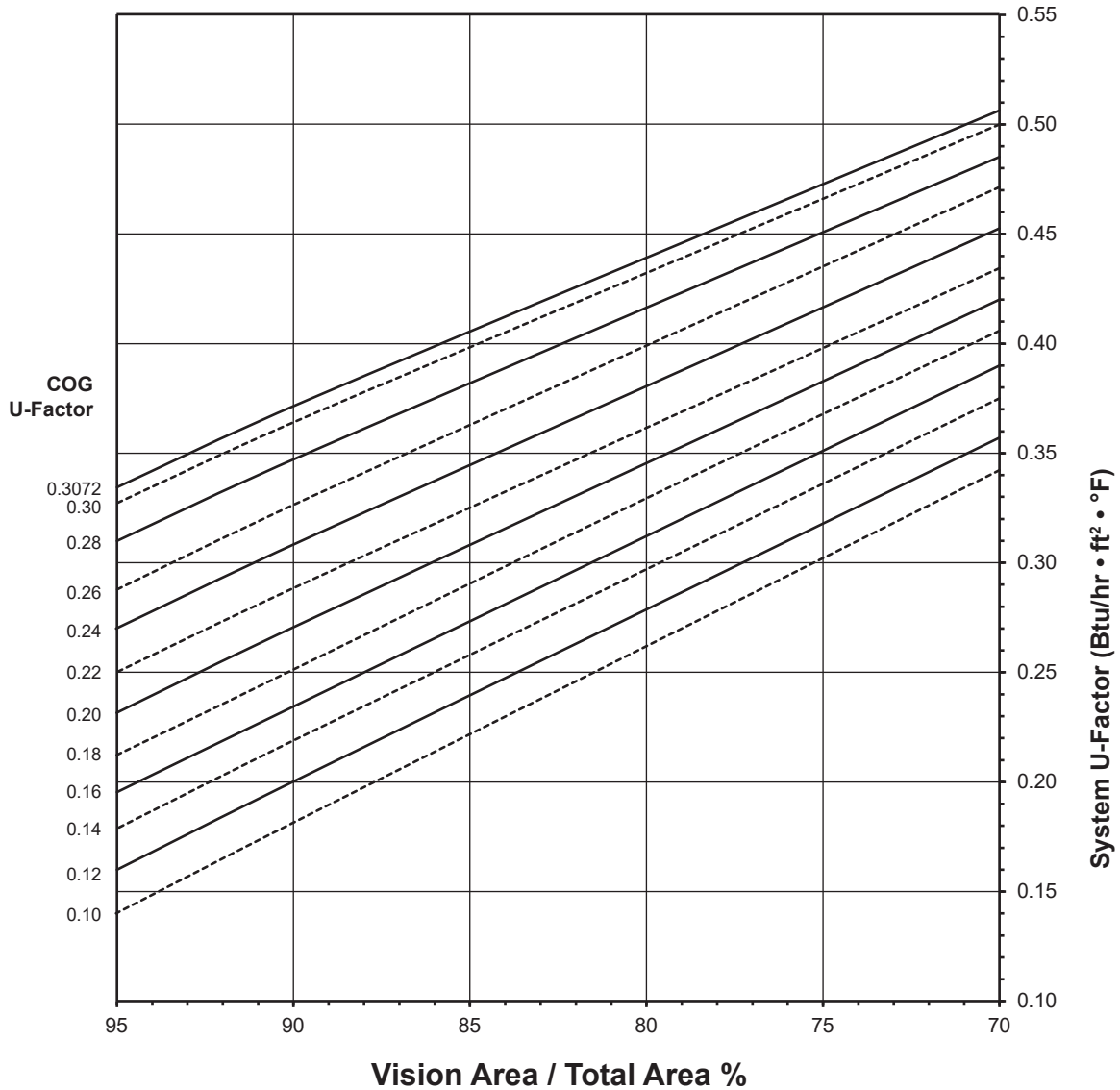
Glass VT <sup>3</sup>	Overall VT <sup>4</sup>
0.75	0.67
0.70	0.62
0.65	0.58
0.60	0.53
0.55	0.49
0.50	0.44
0.45	0.40
0.40	0.36
0.35	0.31
0.30	0.27
0.25	0.22
0.20	0.18
0.15	0.13
0.10	0.09
0.05	0.04

Laws and building and safety codes governing the design and use of Kawneer products, such as 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.

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**2500 UT - 4-SIDED SSG SYSTEM**  
**1-3/4" Triple Glazed - Warm-Edge Glazing Spacer**

**System U-Factor vs Percent of Glass Area**



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

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

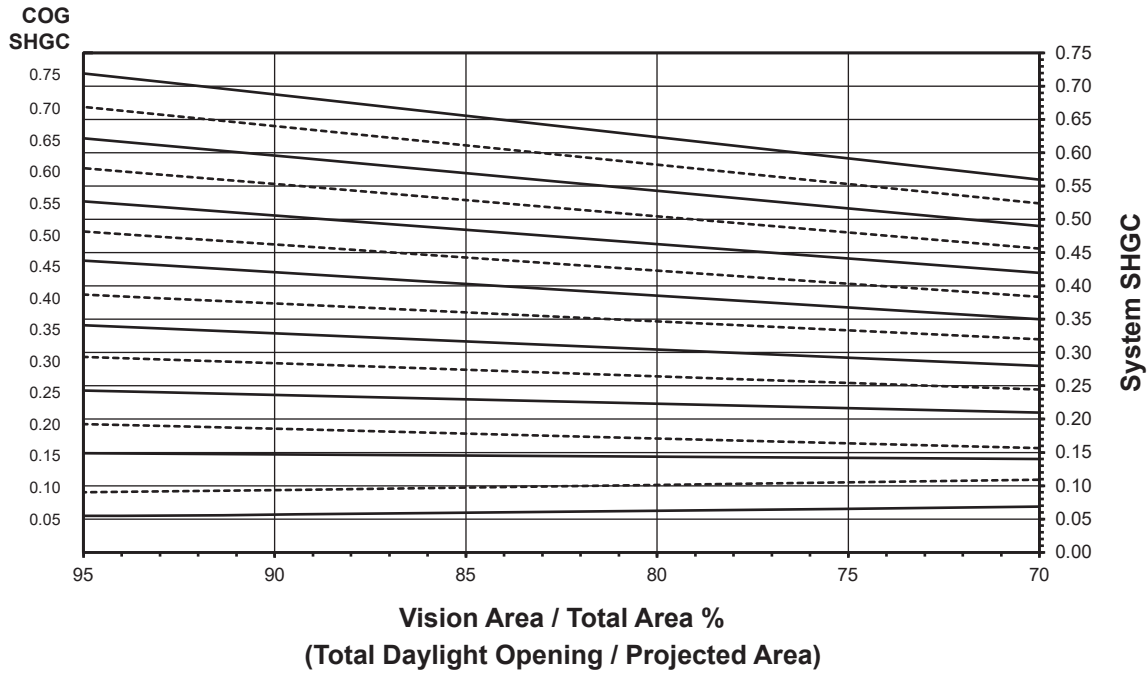
Glass properties are based on center of glass values and are obtained from your glass supplier.

Laws and building and safety codes governing the design and use of Kawneer products, such as 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.

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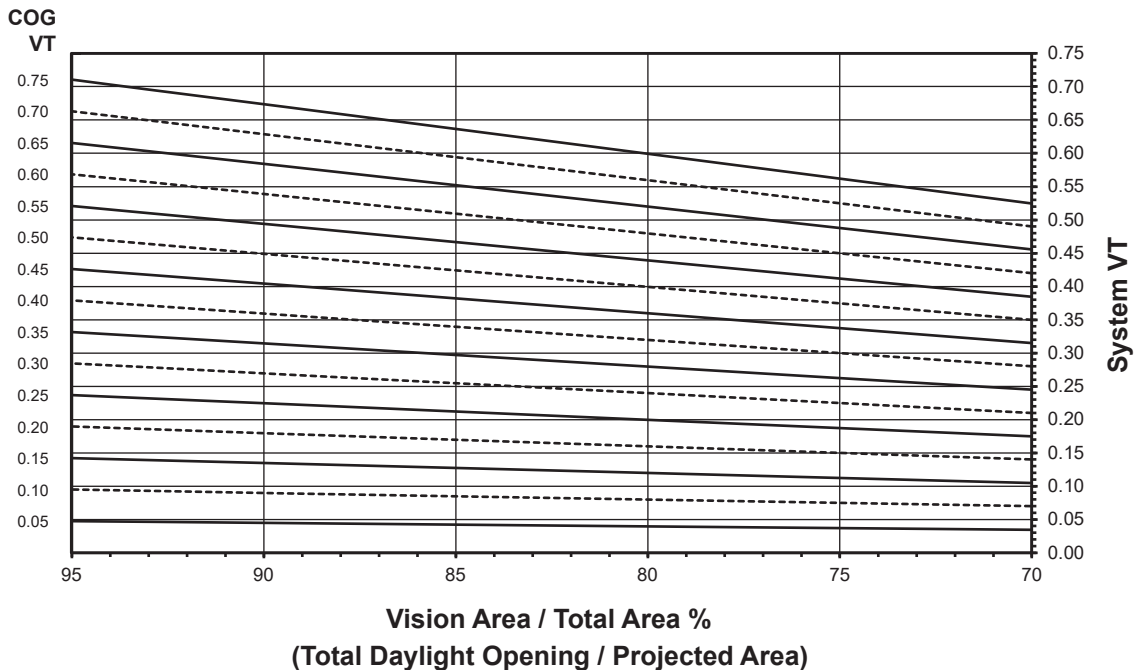
**2500 UT - 4-SIDED SSG SYSTEM**  
**1-3/4" Triple Glazed - Warm-Edge Glazing Spacer**

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



Charts are generated per AAMA 507

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



Laws and building and safety codes governing the design and use of Kawneer products, such as 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.

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**Thermal Transmittance <sup>1</sup> (BTU/hr • ft <sup>2</sup> • °F)**

Glass U-Factor <sup>3</sup>	Overall U-Factor <sup>4</sup>
0.31	0.37
0.30	0.37
0.28	0.35
0.26	0.33
0.24	0.31
0.22	0.29
0.20	0.27
0.18	0.26
0.16	0.24
0.14	0.22
0.12	0.20
0.10	0.18

**2500 UT - 4-SIDED SSG SYSTEM**  
**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 Matrices 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 <sup>2</sup>**

Glass SHGC <sup>3</sup>	Overall SHGC <sup>4</sup>
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	0.42
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 <sup>2</sup>**

Glass VT <sup>3</sup>	Overall VT <sup>4</sup>
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

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## CONDENSATION RESISTANCE

Glazing Infill	Condensation Resistance Factor (CRF) AAMA 1503		Temperature Index (TI) CSA A440-0	
	Frame	Glass	Frame	Glass
1" Double Captured	80	72	69	65
1" Double 4-Sided SSG	80	71	75	65
1-3/4" Triple Captured	81	72	65	65
1-3/4" Triple 4-Sided SSG	85	77	79	72

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