

## **Features**

- MetroView® FG 601T PG Window Wall is an inside glazed system
- 2-1/4" (57.2) sightline with standard 6" (152.4) system depth
- IsoLock® lanced pour and debridged 3/8" (9.5) thermal break
- Screw spline fabrication and joinery
- Standard infill option 1" (25.4) wet glazed and 1-3/16" (30.2) tape glazed
- Silicone compatible glazing materials for long lasting seals
- Inside and outside corner members are available for 90° and 135° applications
- Permanodic® anodized finishes option
- Painted finishes in standard and custom choices

## **Optional Features**

- Integrates with Kawneer GLASSvent® UT Windows and 2000T Terrace Doors
- Balcony door options
- Strap anchors
- Optional slab edge covers (Extruded / ACM panel) spandrel glass
- Optional flush receptor with spandrel glass / ACM panel
- Head receptor reinforcing clip
- Wedge gasket at interior head receptor stop
- Profit\$Maker® Plus die sets

## **Product Applications**

- Pre-glazed ribbon windows
- Ideal for single and multi-lite punched openings

For specific product applications,  
consult your Kawneer representative.

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

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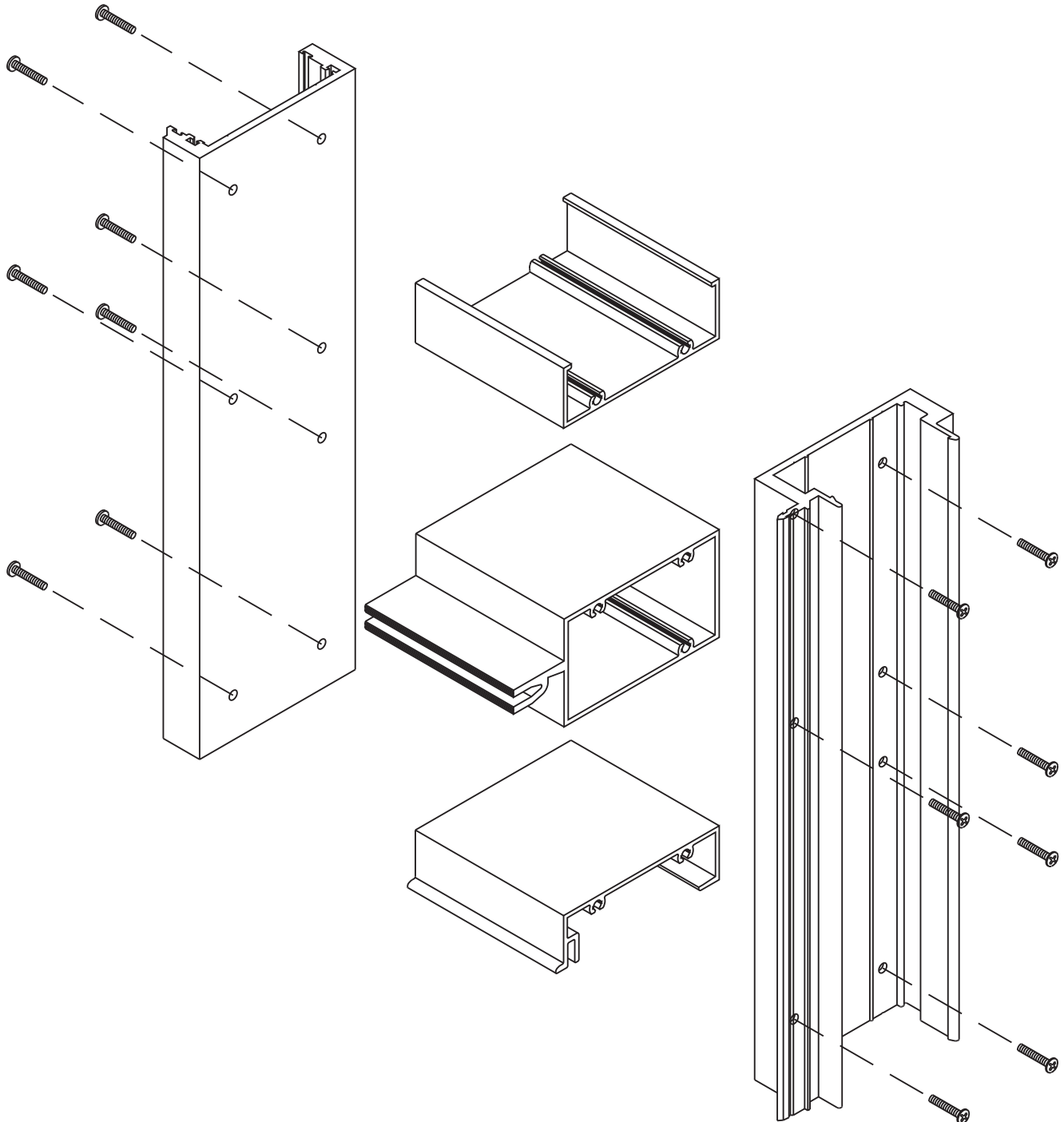
Metric (SI) conversion figures are included throughout these details for reference. Numbers in parentheses ( ) are millimeters unless otherwise noted.

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

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

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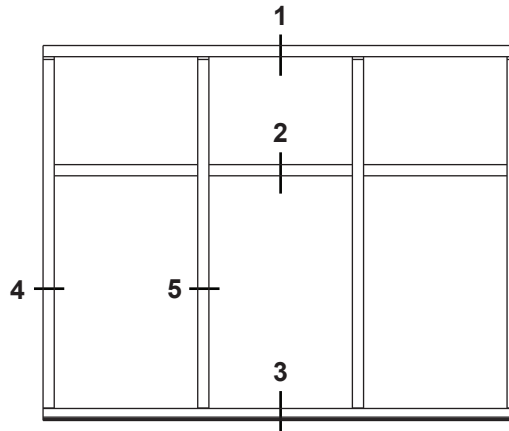
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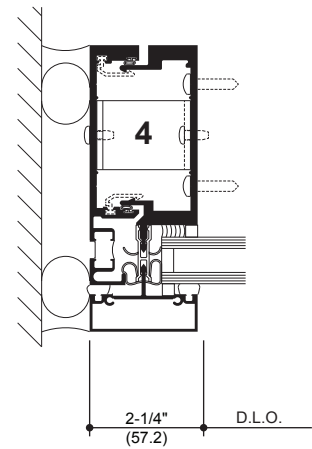
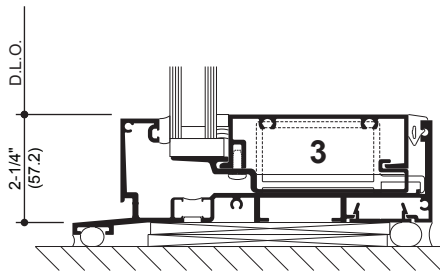
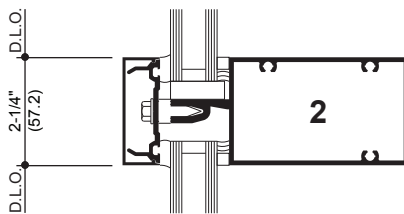
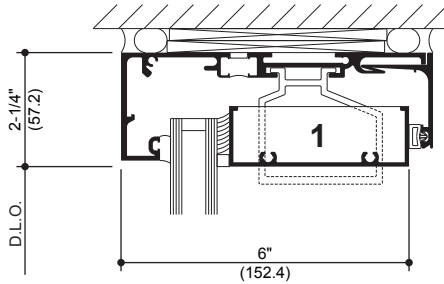
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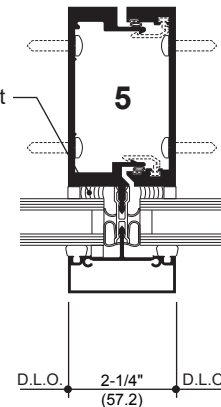
**1" (25.4) INFILL  
WET GLAZED**

ELEVATION IS NUMBER KEYED TO DETAILS

### STANDARD RECEPTOR (INTERIOR INSTALLED)



Structural Silicone Sealant  
(by Others)\*

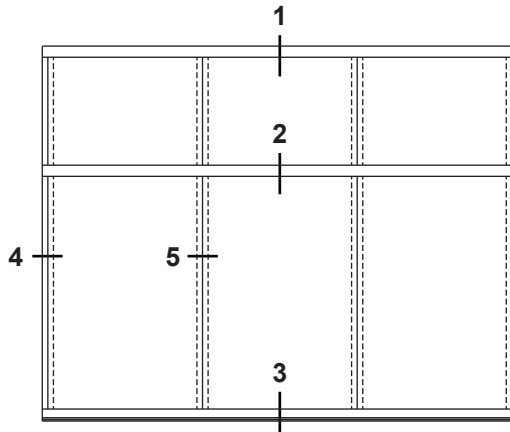


\* **INSTALLER NOTE:** Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

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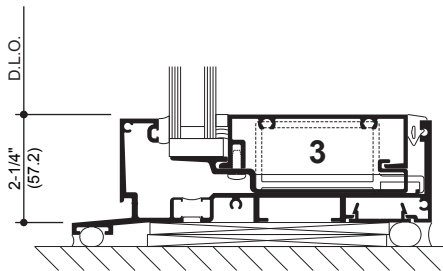
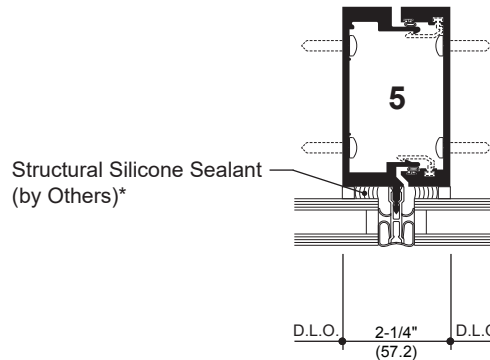
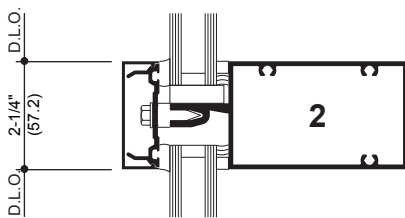
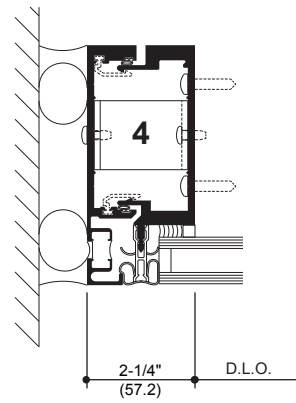
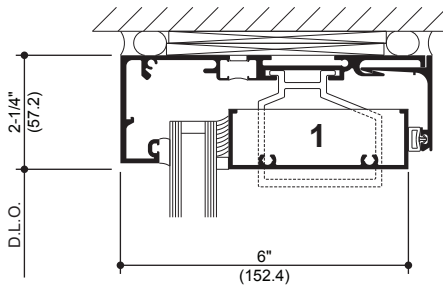
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1" (25.4) INFILL SSG DETAILS

ELEVATION IS NUMBER KEYED TO DETAILS

STANDARD RECEPTOR (INTERIOR INSTALLED)

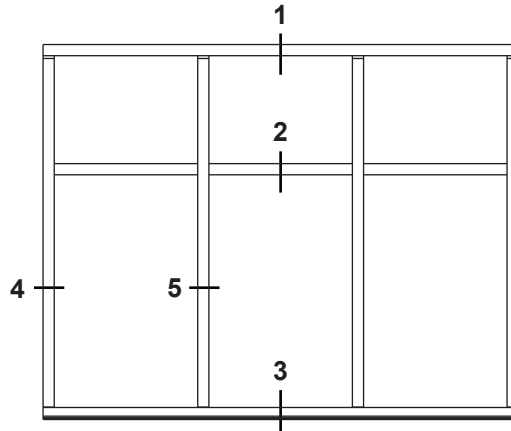


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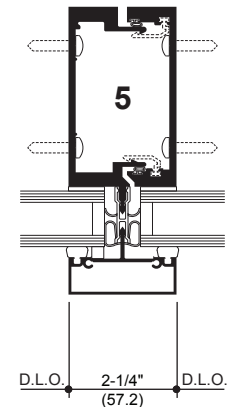
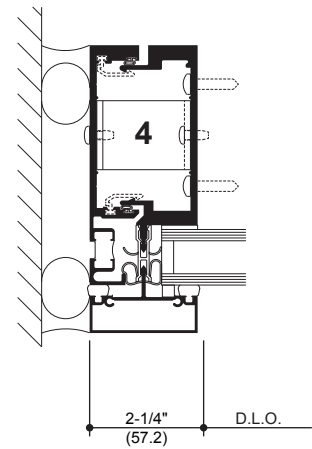
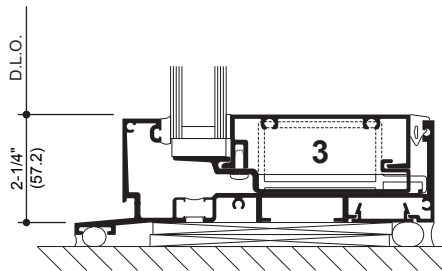
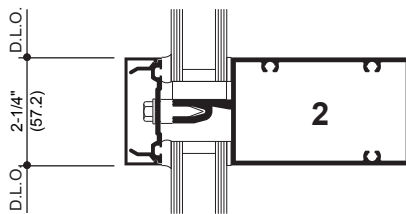
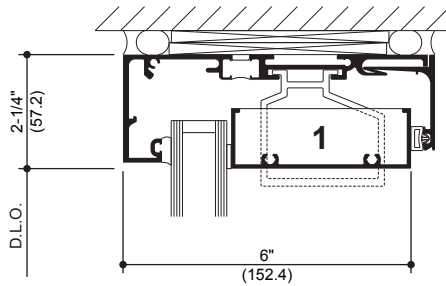
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**1-3/16" (30.2) INFILL TAPE GLAZED**

ELEVATION IS NUMBER KEYED TO DETAILS

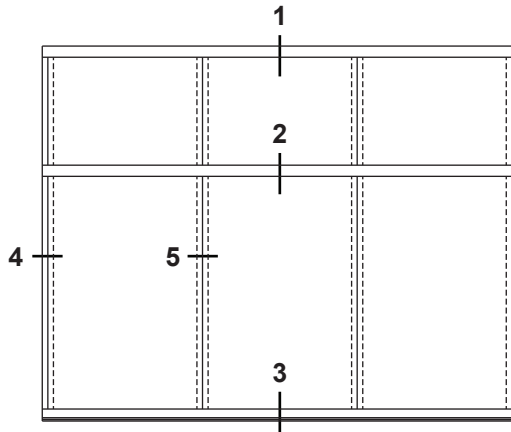
### STANDARD RECEPTOR (INTERIOR INSTALLED)



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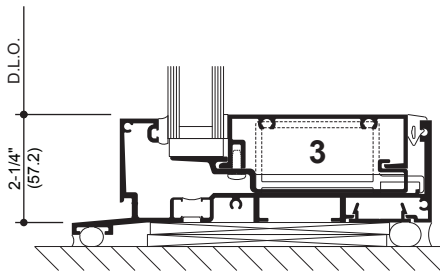
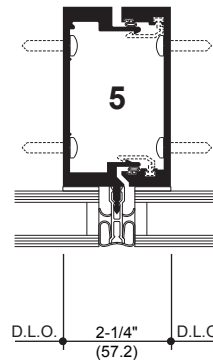
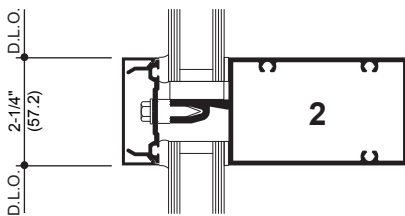
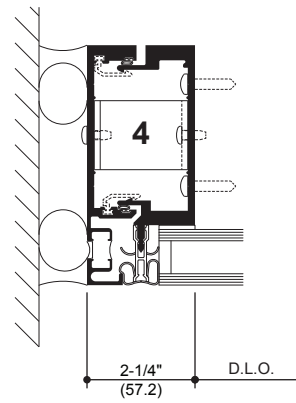
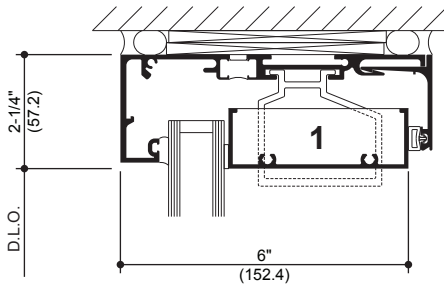
Additional information and CAD details are available at [www.kawneer.com](http://www.kawneer.com)



**1-3/16" (30.2) INFILL SSG DETAILS**

ELEVATION IS NUMBER KEYED TO DETAILS

**STANDARD RECEPTOR (INTERIOR INSTALLED)**



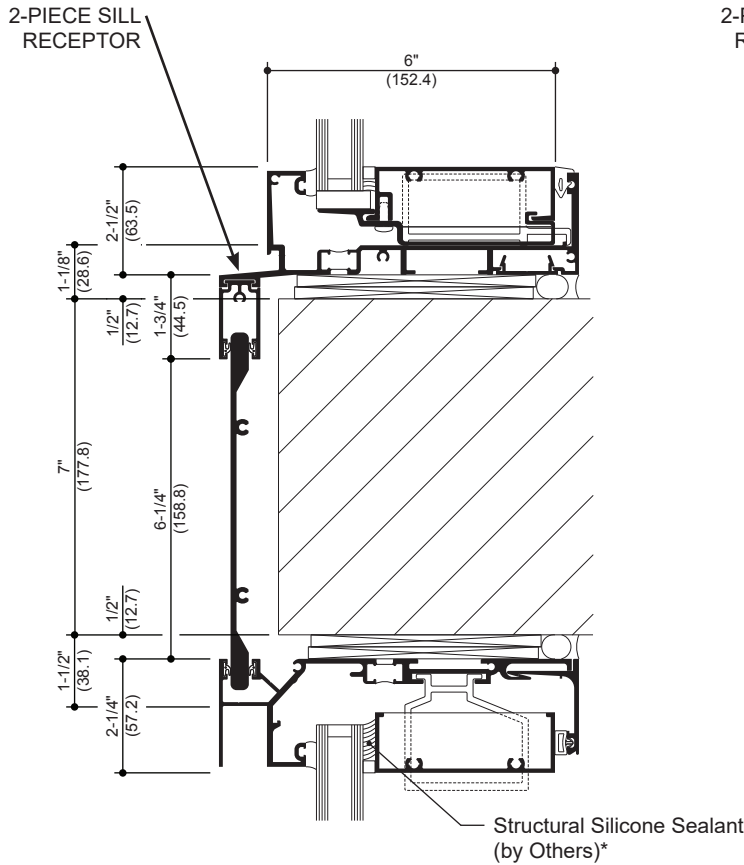
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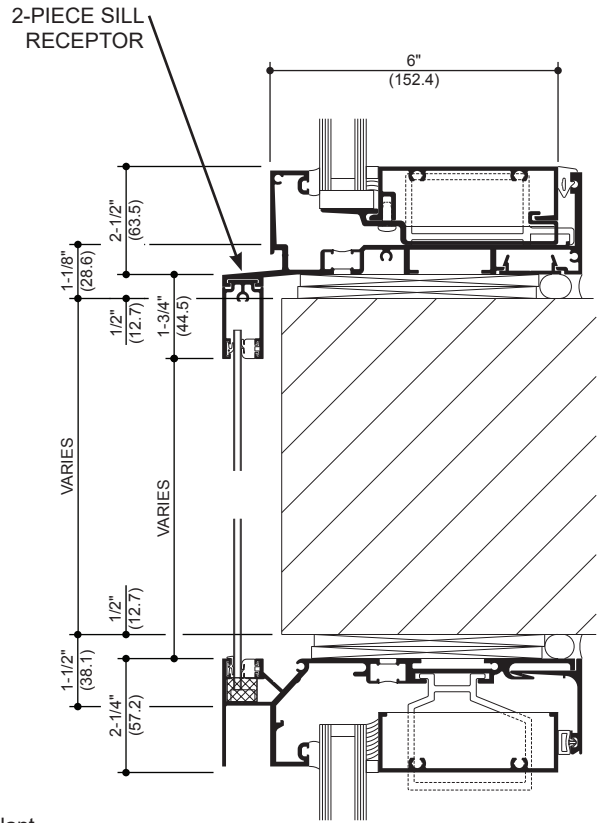


Additional information and CAD details are available at [www.kawneer.com](http://www.kawneer.com)

### STANDARD RECEPTOR SLAB EDGE COVERS (1" (25.4) INFILL SHOWN, 1-3/16" (30.2) SIMILAR)



**STANDARD RECEPTOR  
WITH 7" (177.8) SLAB COVER  
INTERIOR INSTALLED  
(8" (203.2) SLAB COVER SIMILAR)**



**VARIABLE SLAB EGDE COVER  
STANDARD RECEPTOR WITH ACM  
PANEL OR SPANDREL GLASS  
INTERIOR INSTALLED**

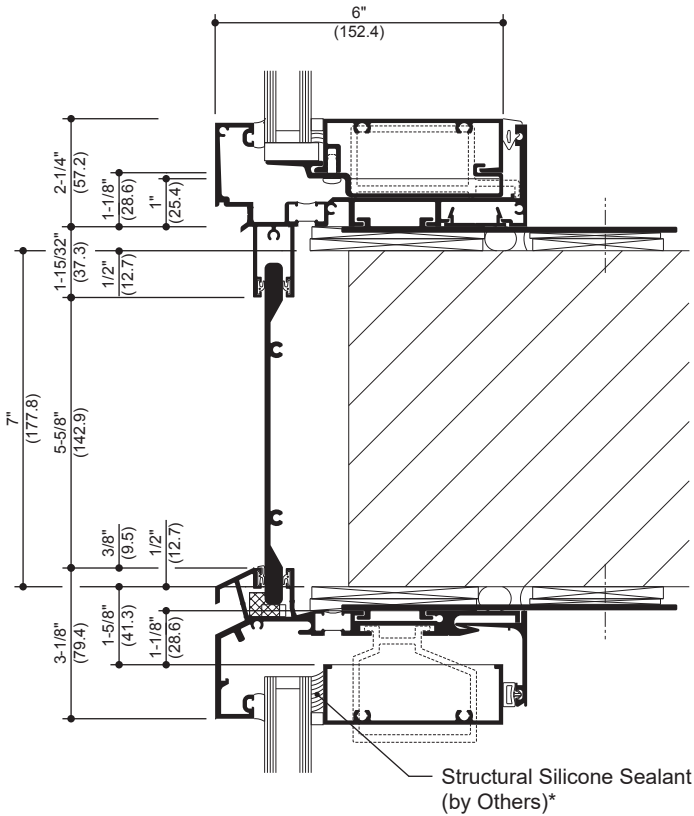
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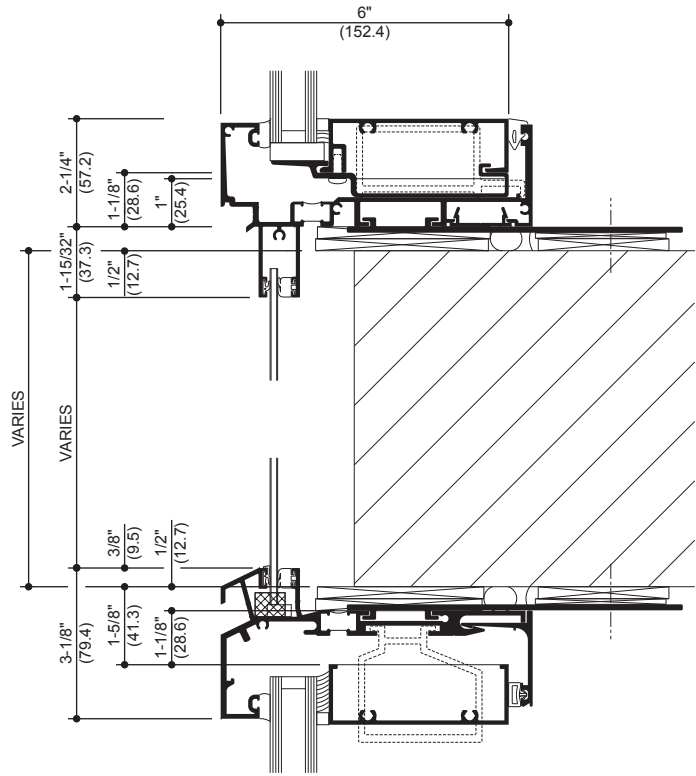
\* **INSTALLER NOTE:** Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

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**FLUSH RECEPTOR SLAB EDGE COVERS**  
**(1" (25.4) INFILL SHOWN, 1-3/16" (30.2) SIMILAR)**



**FLUSH RECEPTOR WITH 7" (177.8) SLAB COVER INTERIOR INSTALLED (8" (203.2) SLAB COVER SIMILAR)**



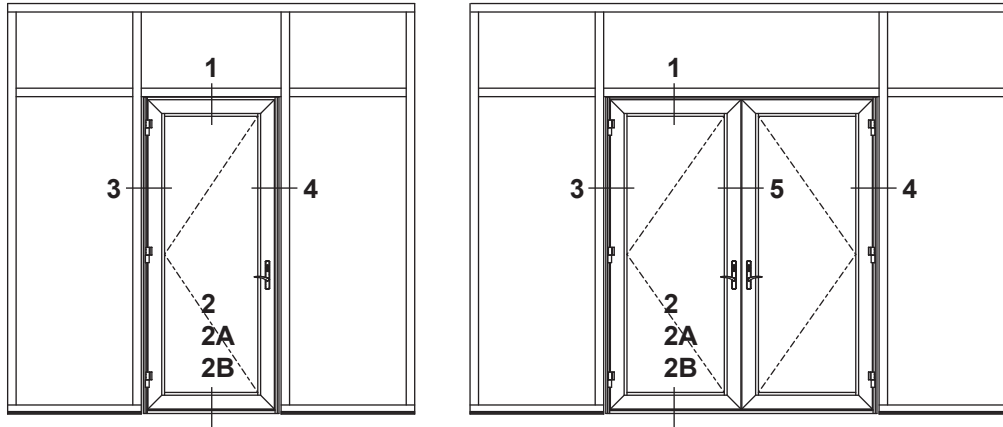
**VARIABLE SLAB EDGE COVER STANDARD RECEPTOR WITH ACM PANEL OR SPANDREL GLASS INTERIOR INSTALLED**

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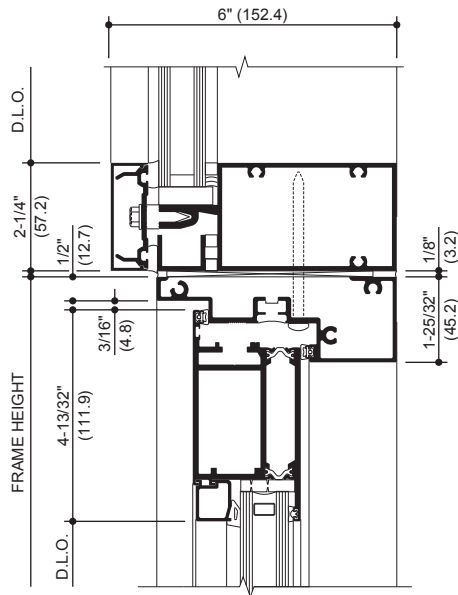
\* INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

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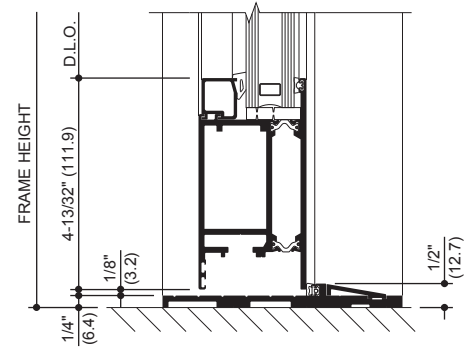


OUTSWING DOORS & FRAME

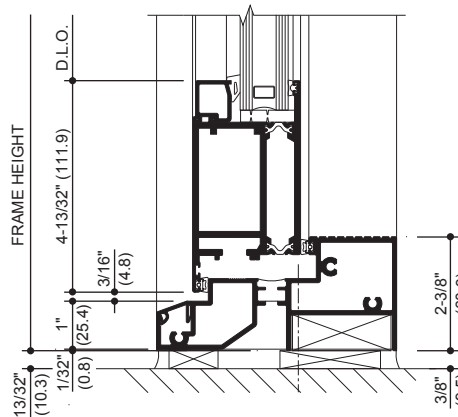
1 HEAD



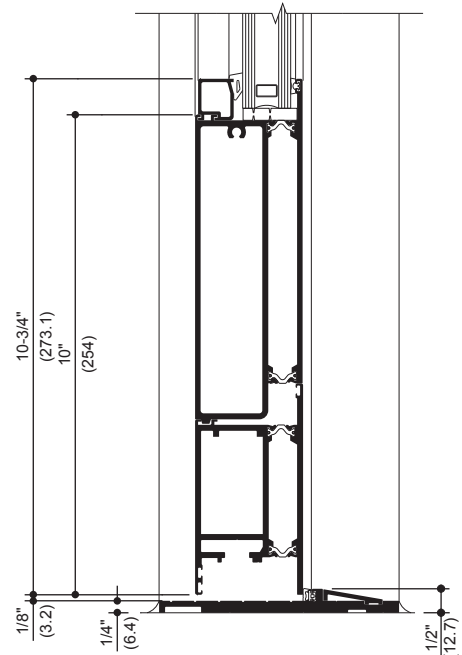
2A  
OPTIONAL  
LOW PROFILE  
THRESHOLD



2 THRESHOLD



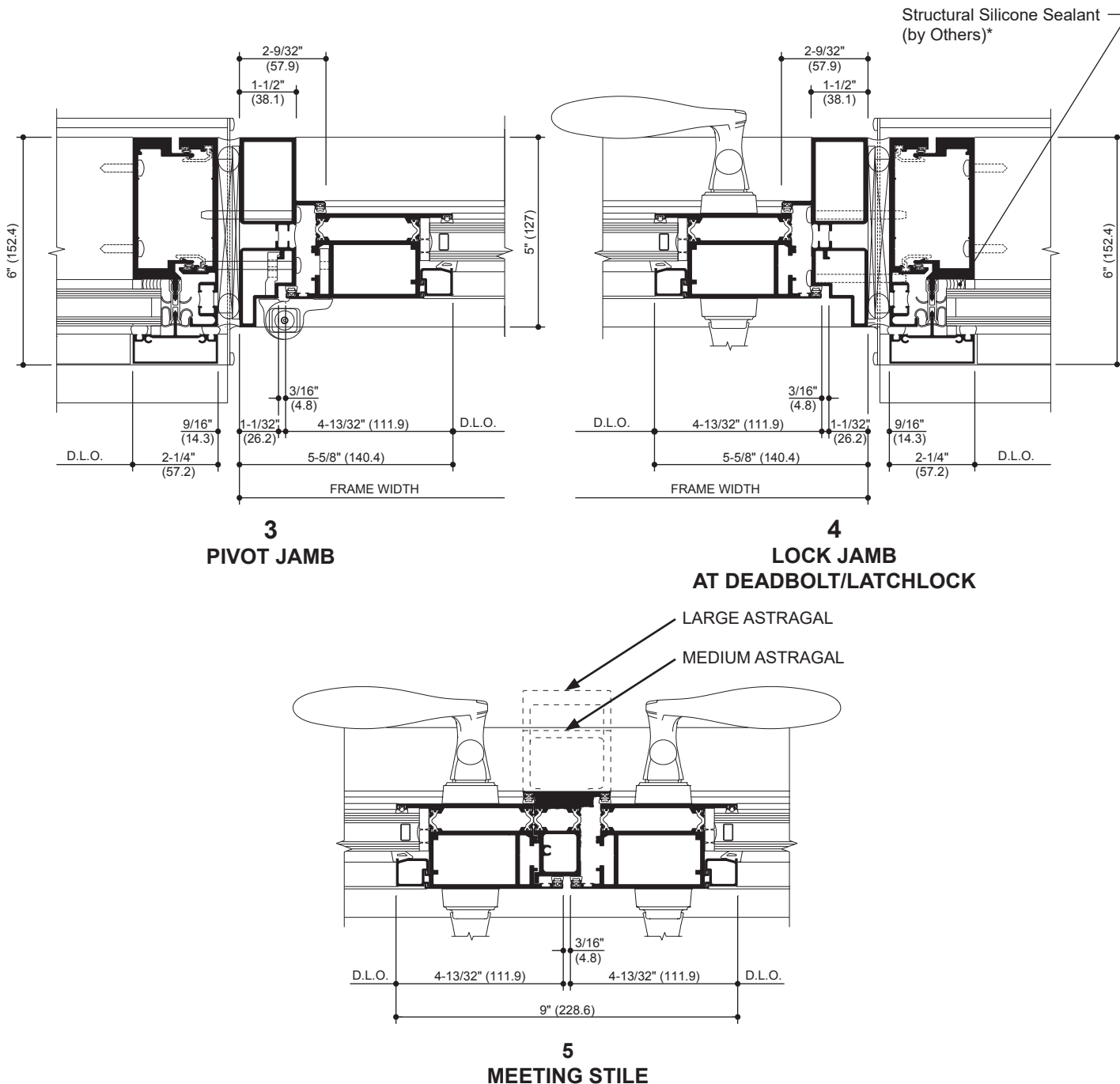
2B  
OPTIONAL  
LOW PROFILE  
THRESHOLD WITH  
10\"/>



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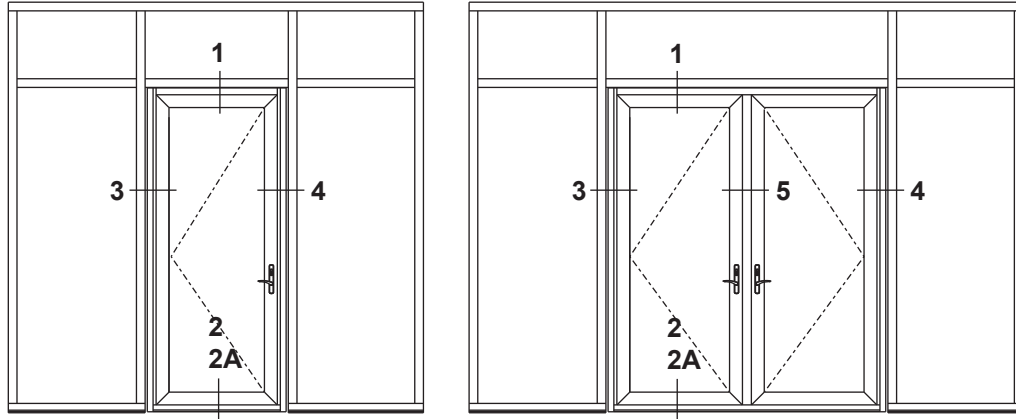
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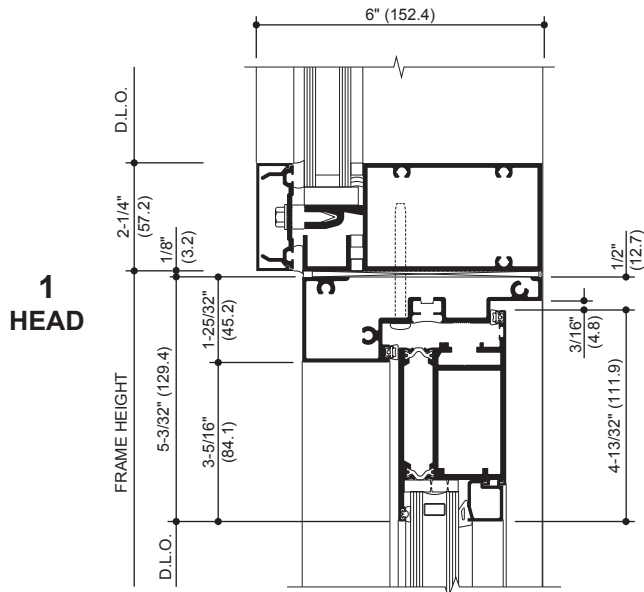
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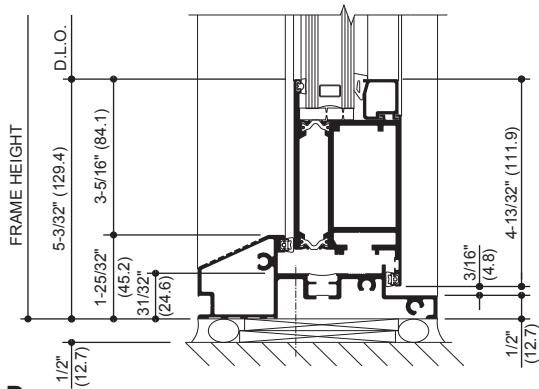
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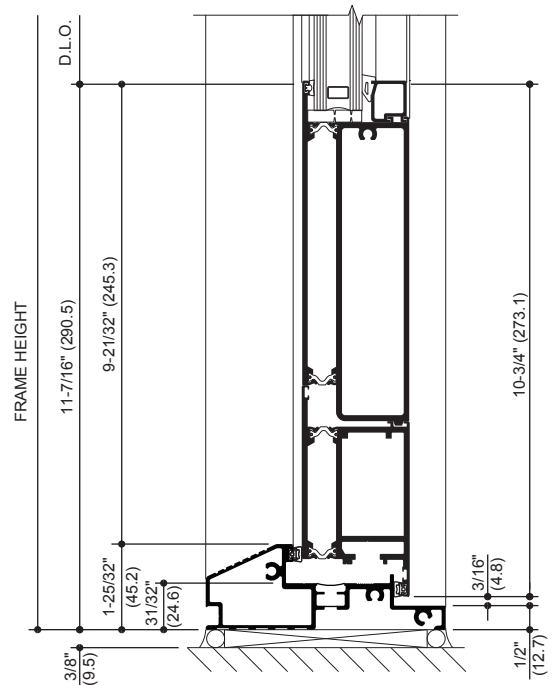
### INSWING DOORS & FRAME



### 1 HEAD



### 2 THRESHOLD

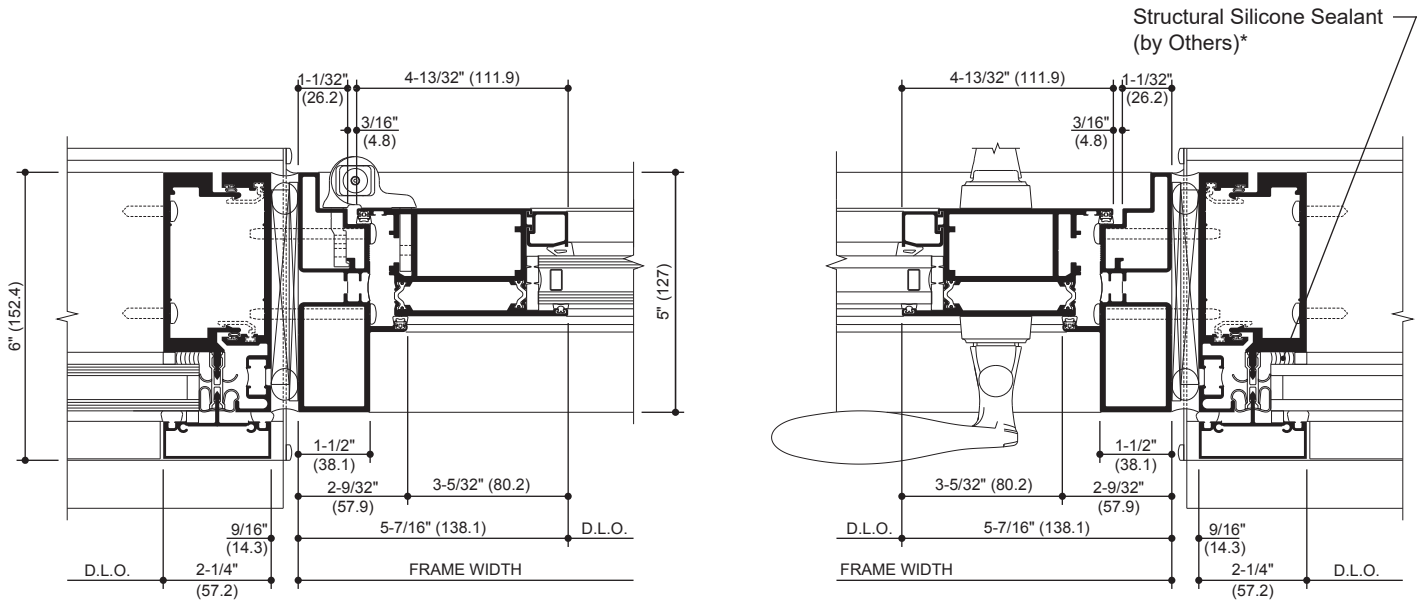


### 2A OPTIONAL THRESHOLD WITH 10" BOTTOM RAIL

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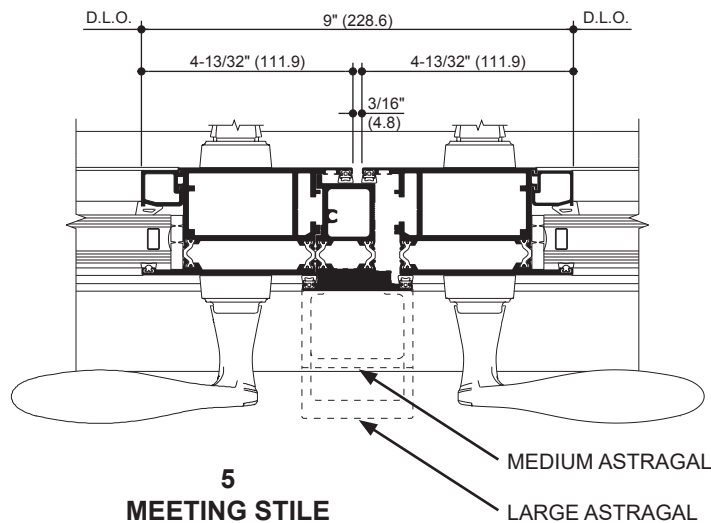
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Additional information and CAD details are available at [www.kawneer.com](http://www.kawneer.com)



**3**  
**PIVOT JAMB**

**4**  
**LOCK JAMB**  
**AT DEADBOLT/LATCHLOCK**



**5**  
**MEETING STILE**

MEDIUM ASTRAGAL  
LARGE ASTRAGAL

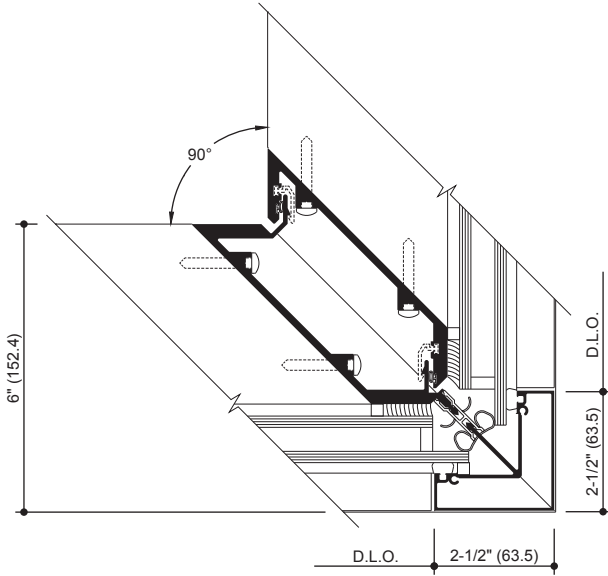
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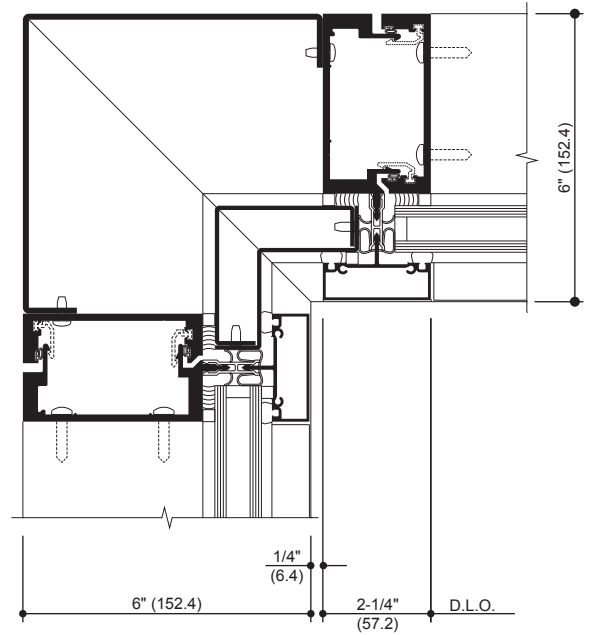
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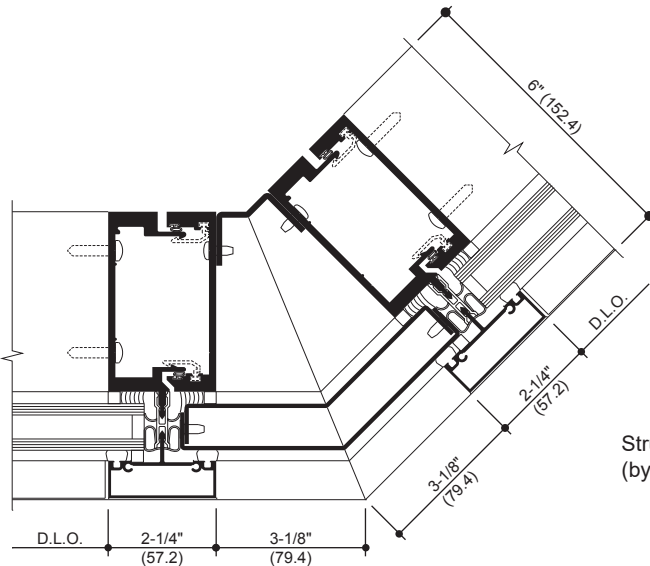
(1" (25.4) INFILL SHOWN, 1-3/16" (30.2) SIMILAR)



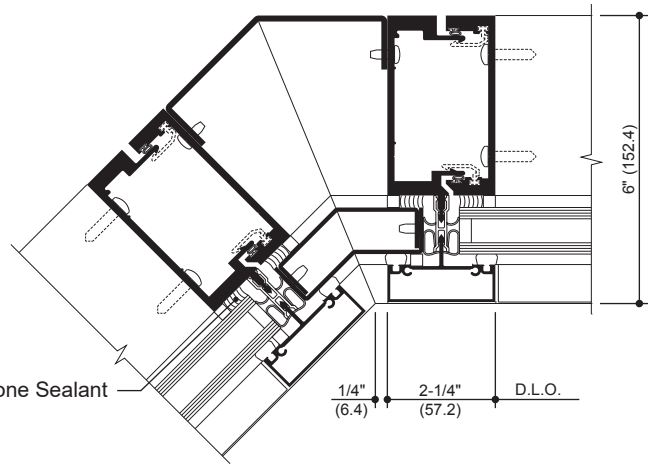
**90° OUTSIDE CORNER**



**90° INSIDE CORNER**



**135° OUTSIDE CORNER**



**135° INSIDE CORNER**

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

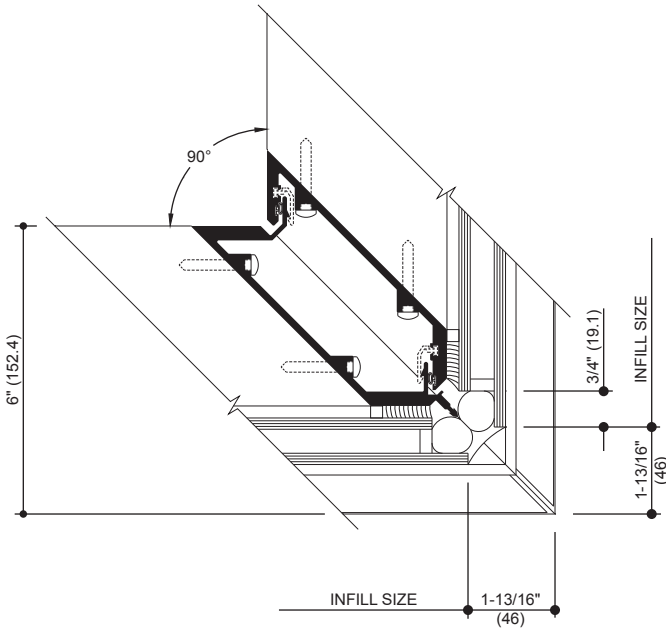
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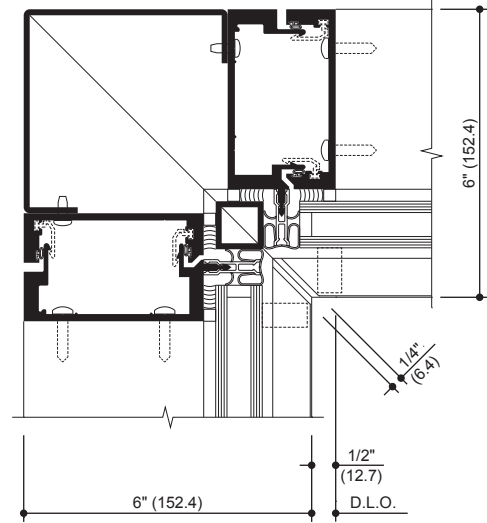
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(1" (25.4) INFILL SHOWN, 1-3/16" (30.2) SIMILAR)

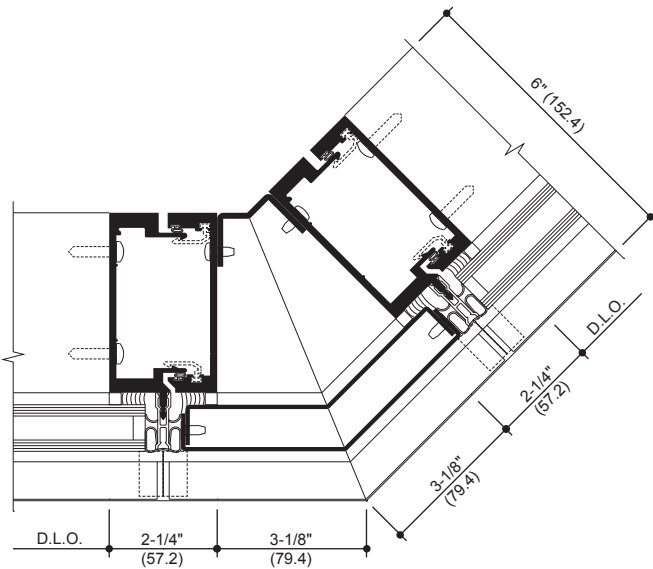
SSG CORNERS



90° OUTSIDE CORNER

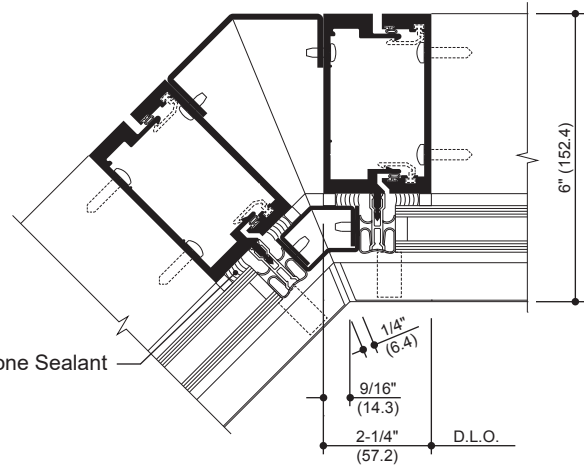


90° INSIDE CORNER



135° OUTSIDE CORNER

Structural Silicone Sealant (by Others)\*



135° INSIDE CORNER

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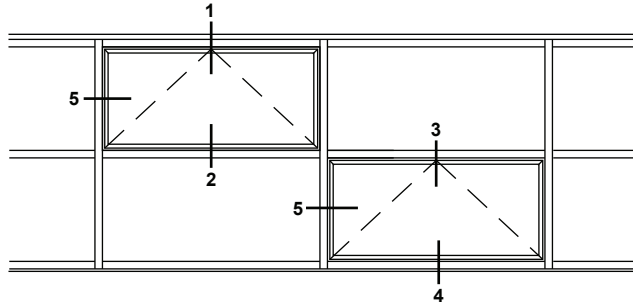
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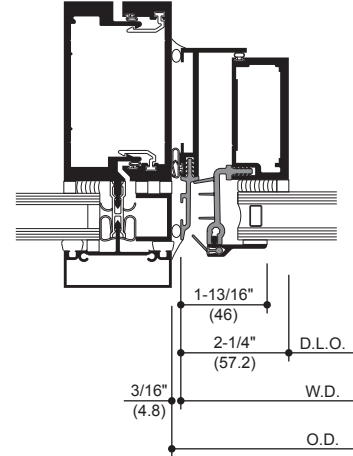


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PROJECT-OUT WINDOW SHOWN  
CASEMENT OUTSWING ALSO AVAILABLE

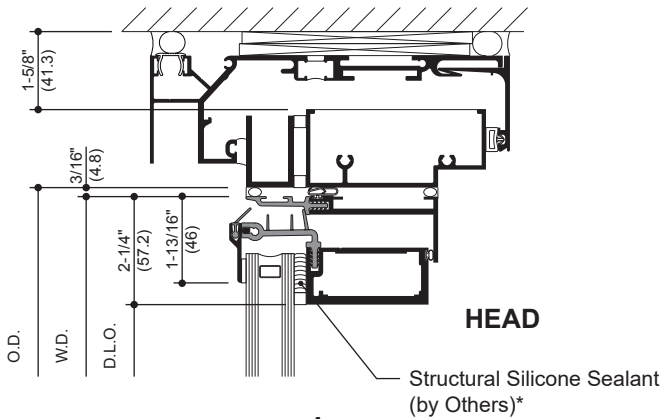


ELEVATION IS NUMBER KEYED TO DETAILS



JAMB

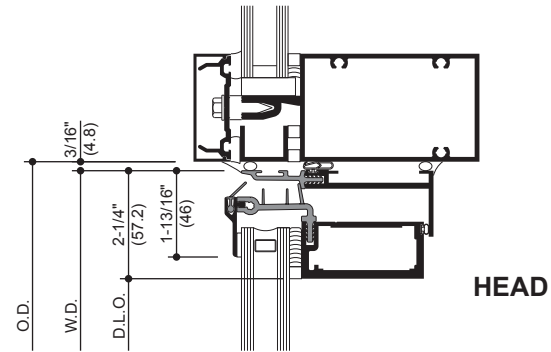
5



HEAD

Structural Silicone Sealant  
(by Others)\*

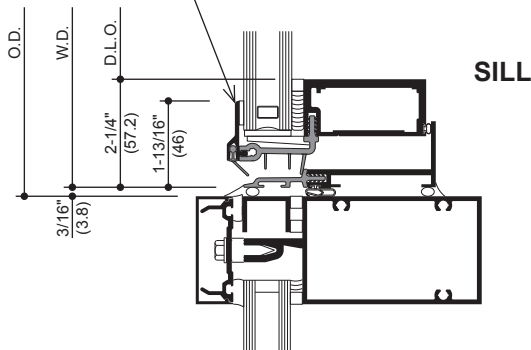
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HEAD

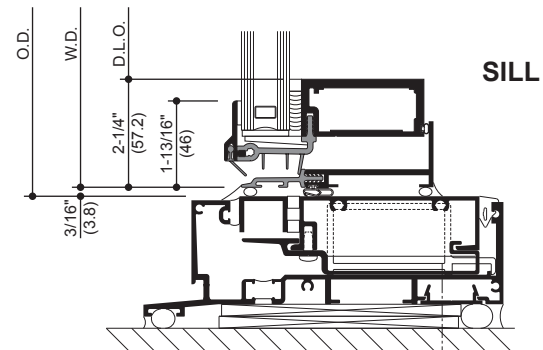
3

Trim Cover available  
in #29 Black anodized  
finish only



SILL

2



SILL

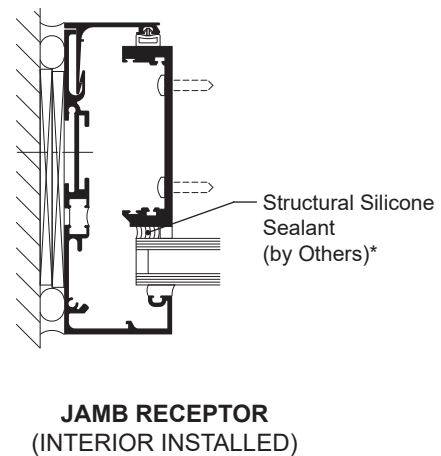
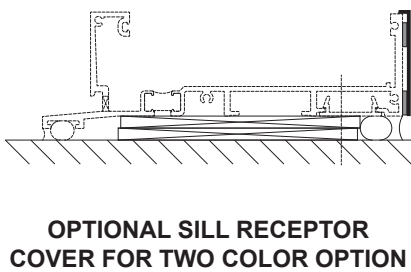
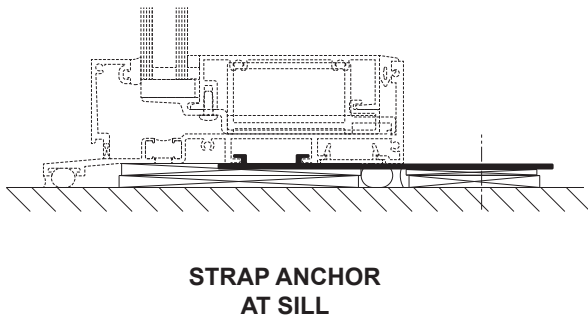
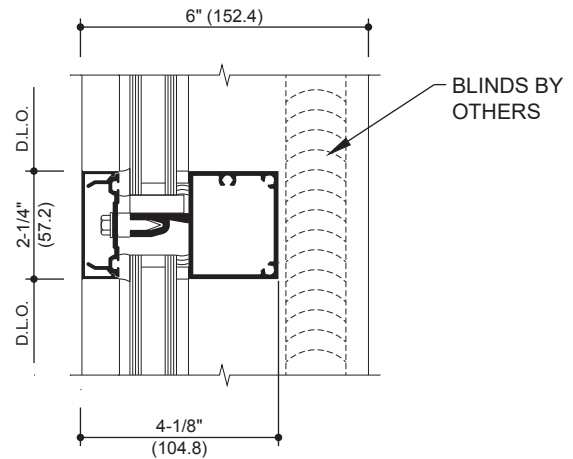
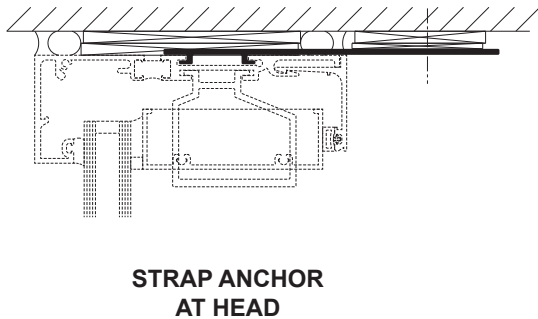
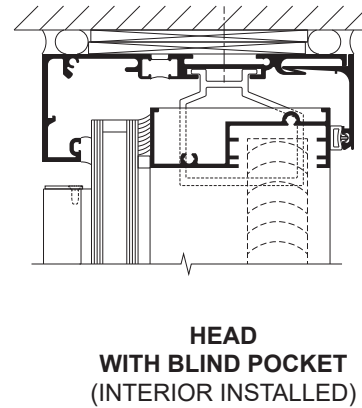
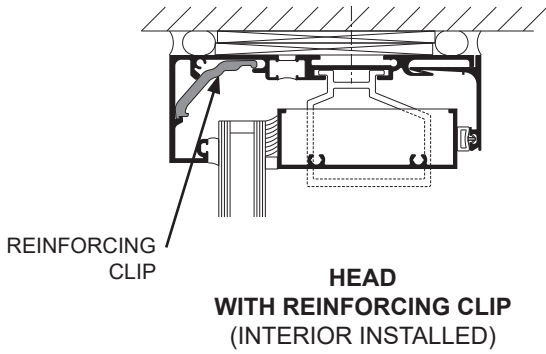
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\* **INSTALLER NOTE:** Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

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



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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 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

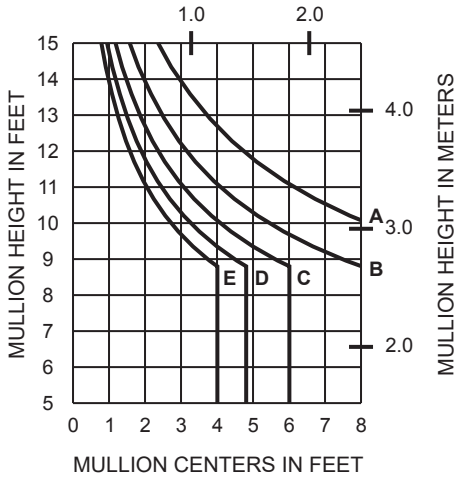
Horizontal or deadload limitations are based upon 1/8" (3.2), maximum allowable deflection at the center of an intermediate horizontal member. The accompanying charts are calculated for 1" (25.4) thick insulating glass or 1/4" (6.4) thick glass supported on two setting blocks placed at the loading points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

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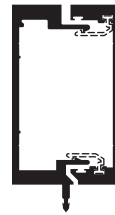
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**WITH HORIZONTALS**

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)

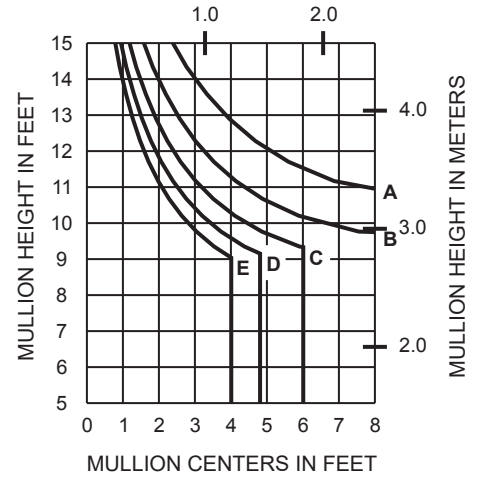


183001/183002

SSG Application

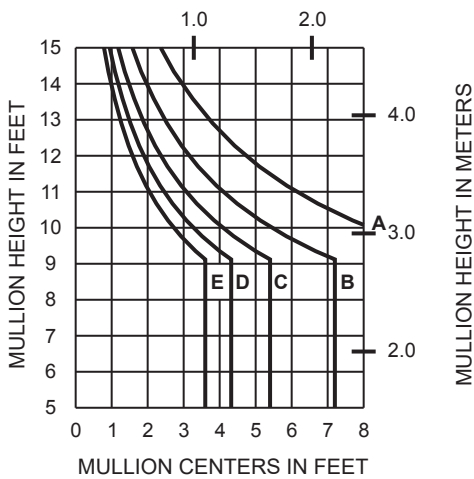
**WITHOUT HORIZONTALS**

MULLION CENTERS IN METERS

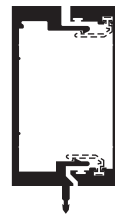


**WITH HORIZONTALS**

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)

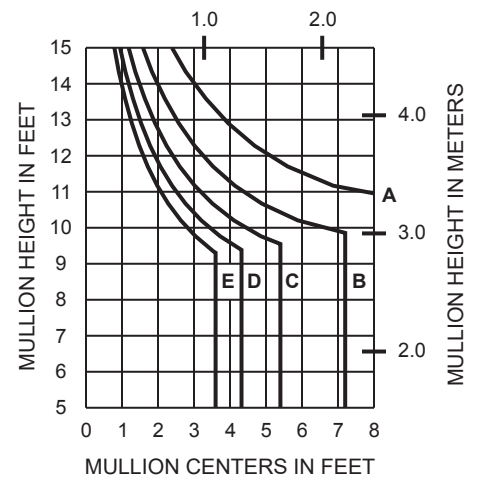


183001/183002

3M VHB Application

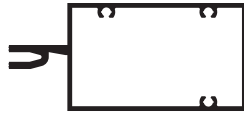
**WITHOUT HORIZONTALS**

MULLION CENTERS IN METERS



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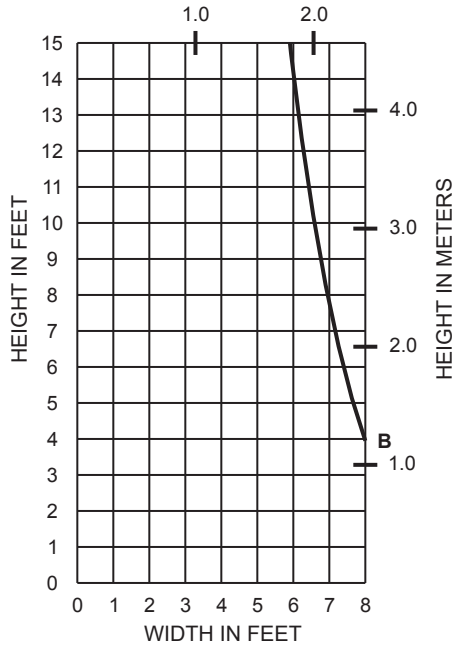
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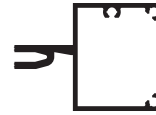
183006

(1" INFILL)

WIDTH IN METERS



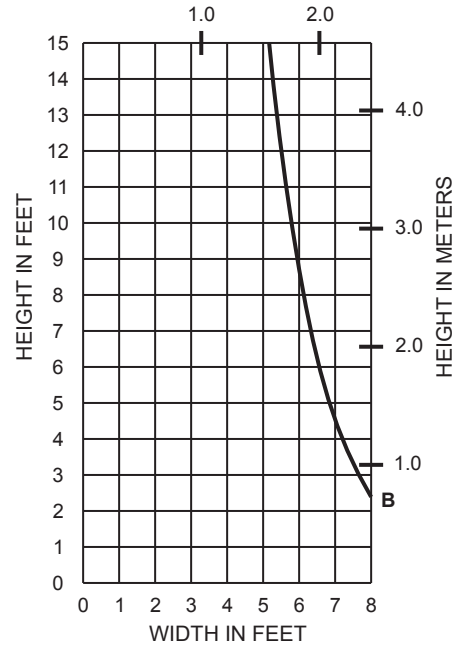
A = 1/4 POINT LOADING  
B = 1/8 POINT LOADING



183014

(1" INFILL)

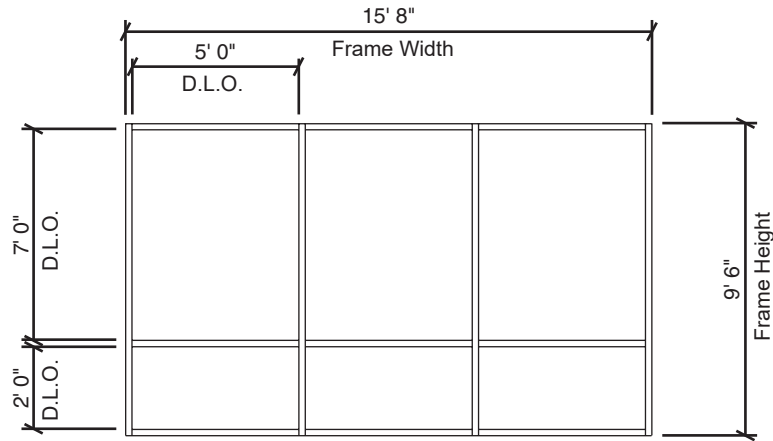
WIDTH IN METERS



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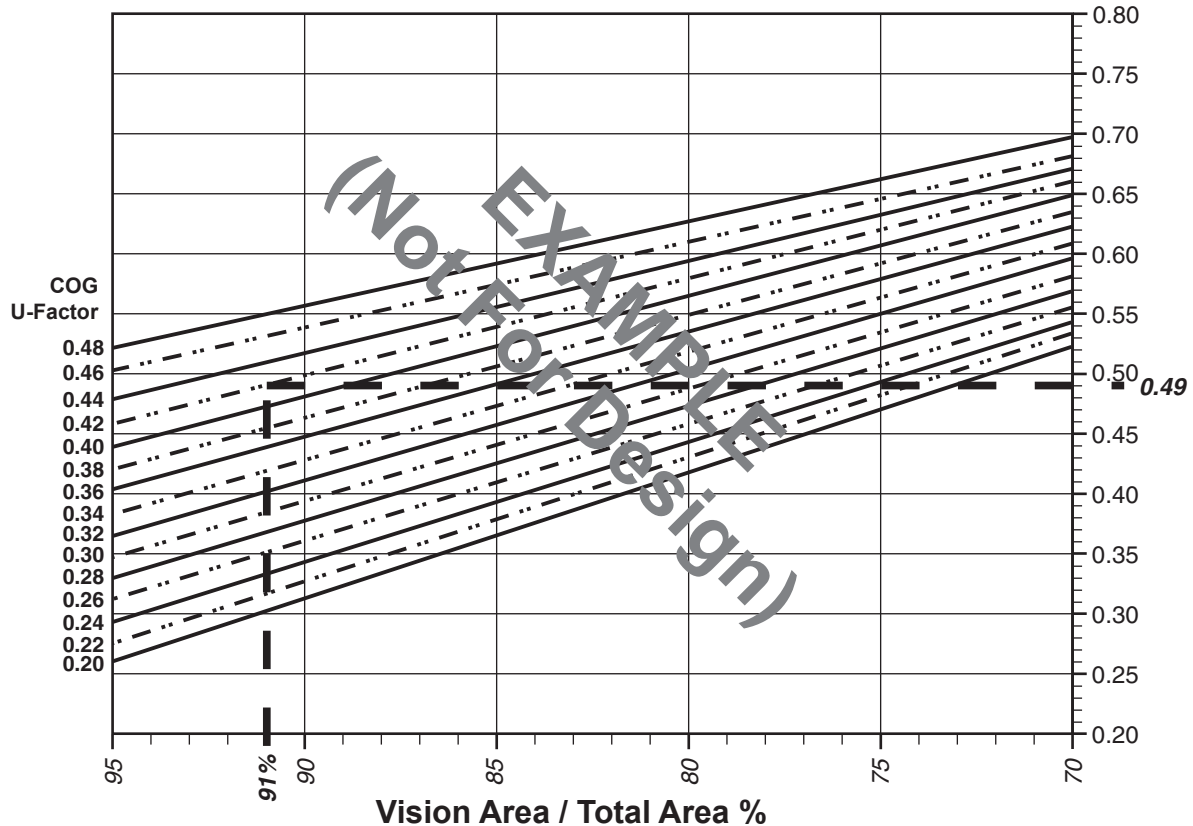
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**Generic Project Specific U-factor Example Calculation**  
 (Percent of Glass will vary on specific products depending on sitelines)  
 (Based on single bay of Window Wall)



Example Glass U-Factor = 0.42 Btu/hr x ft<sup>2</sup> x °F  
 Total Daylight Opening = 3(5' x 7') + 3(5' x 2') = 135 ft<sup>2</sup>  
 Total Projected Area= (Total Daylight Opening + Total Area of Framing System)  
 = 15' 8" x 9' 6" = 148.83 ft<sup>2</sup>  
 Percent of Glass = (Total Daylight Opening ÷ Total Projected Area)  
 = (135 ÷ 148.83)100 = 91%

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



Based on 91% glass and center of glass U-Factor of 0.42  
 System U-Factor is equal to 0.49 Btu/hr x ft<sup>2</sup> x °F

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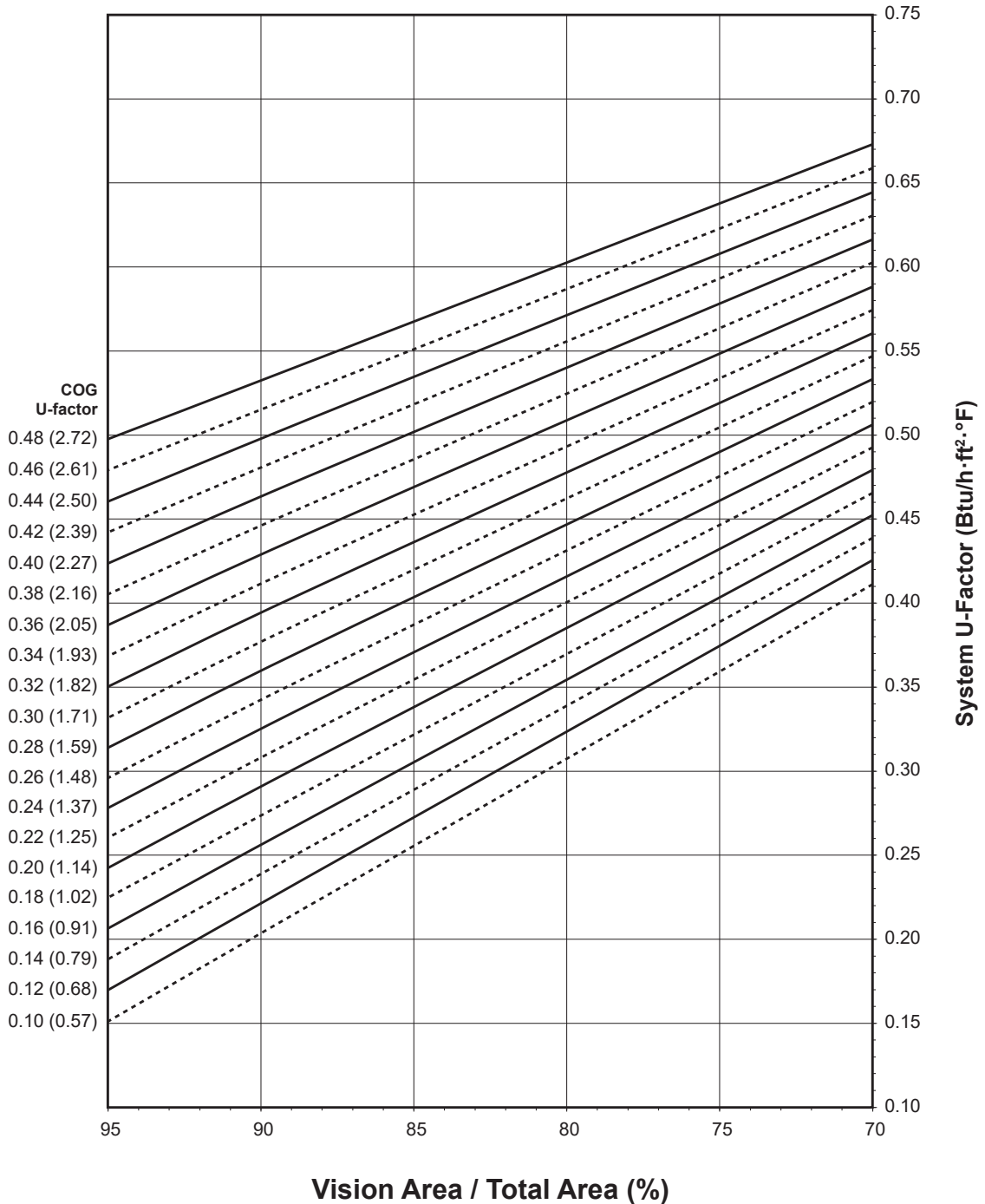
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**FG 601T PG Captured Window Wall  
1" Double Glazed - Warm-Edge Glazing Spacer**

**Note:**

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

**System U-Factor for Vision Glass**



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

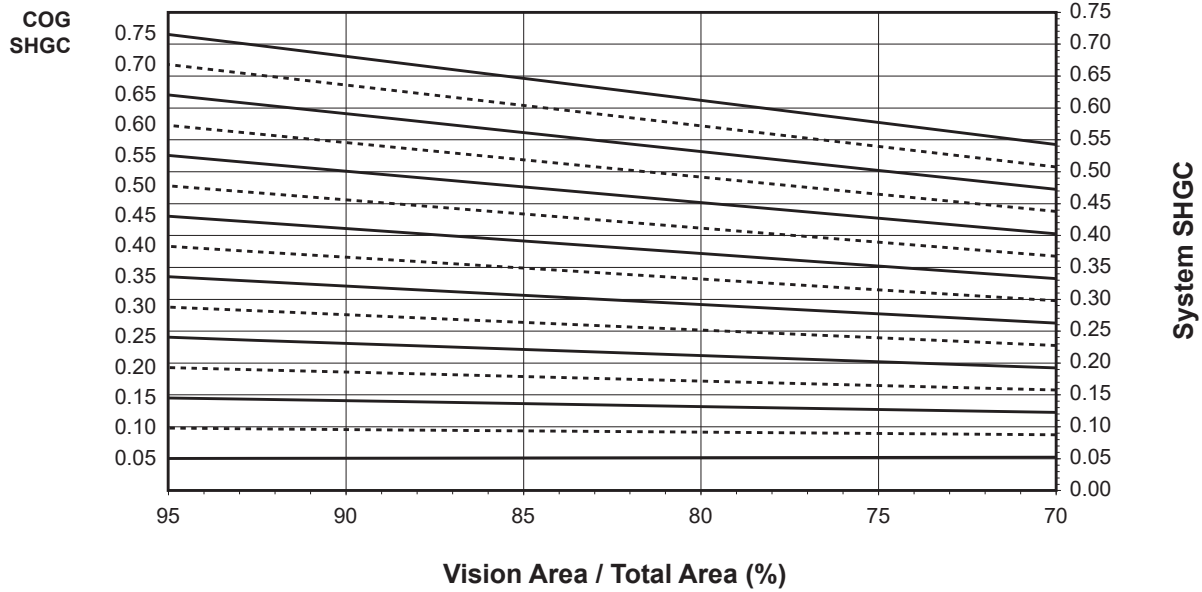
For glass values that are not listed, linear interpolation is permitted.  
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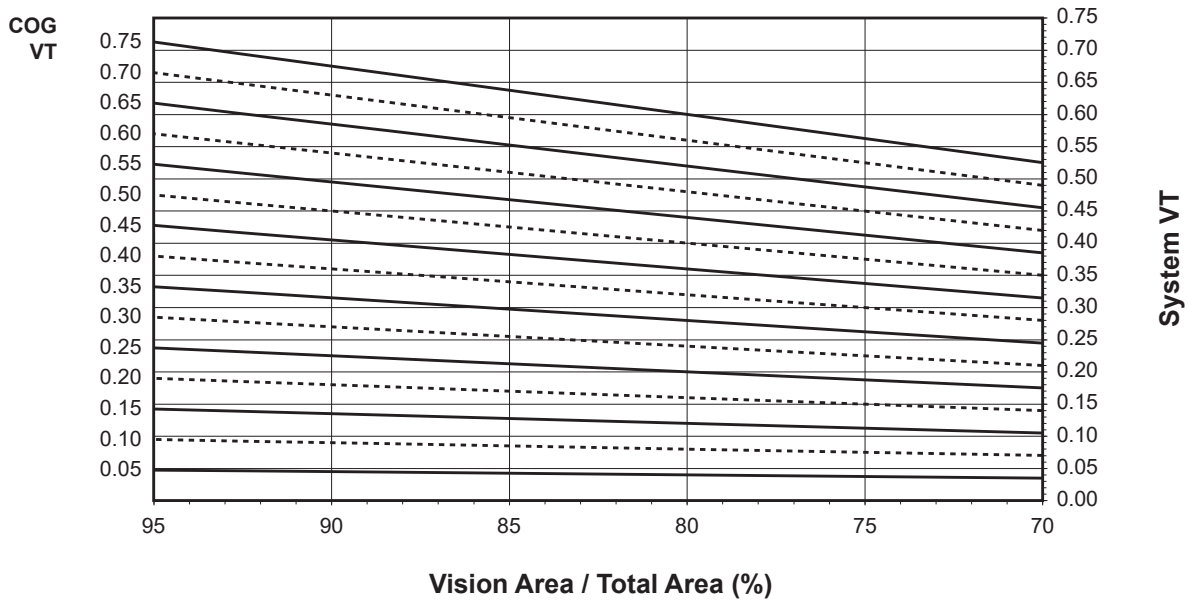
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FG 601T PG Captured Window Wall  
1" Double Glazed - Warm-Edge Glazing Spacer

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



System Visible Transmittance (VT) vs Percent of Vision Area



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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	0.54
0.46	0.53
0.44	0.51
0.42	0.49
0.40	0.47
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	0.30
0.18	0.29
0.16	0.27
0.14	0.25
0.12	0.24
0.10	0.22

**FG 601T PG Captured Window Wall  
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	0.58
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	0.10
0.05	0.05

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

Glass VT <sup>3</sup>	Overall VT <sup>4</sup>
0.75	0.66
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	0.35
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.

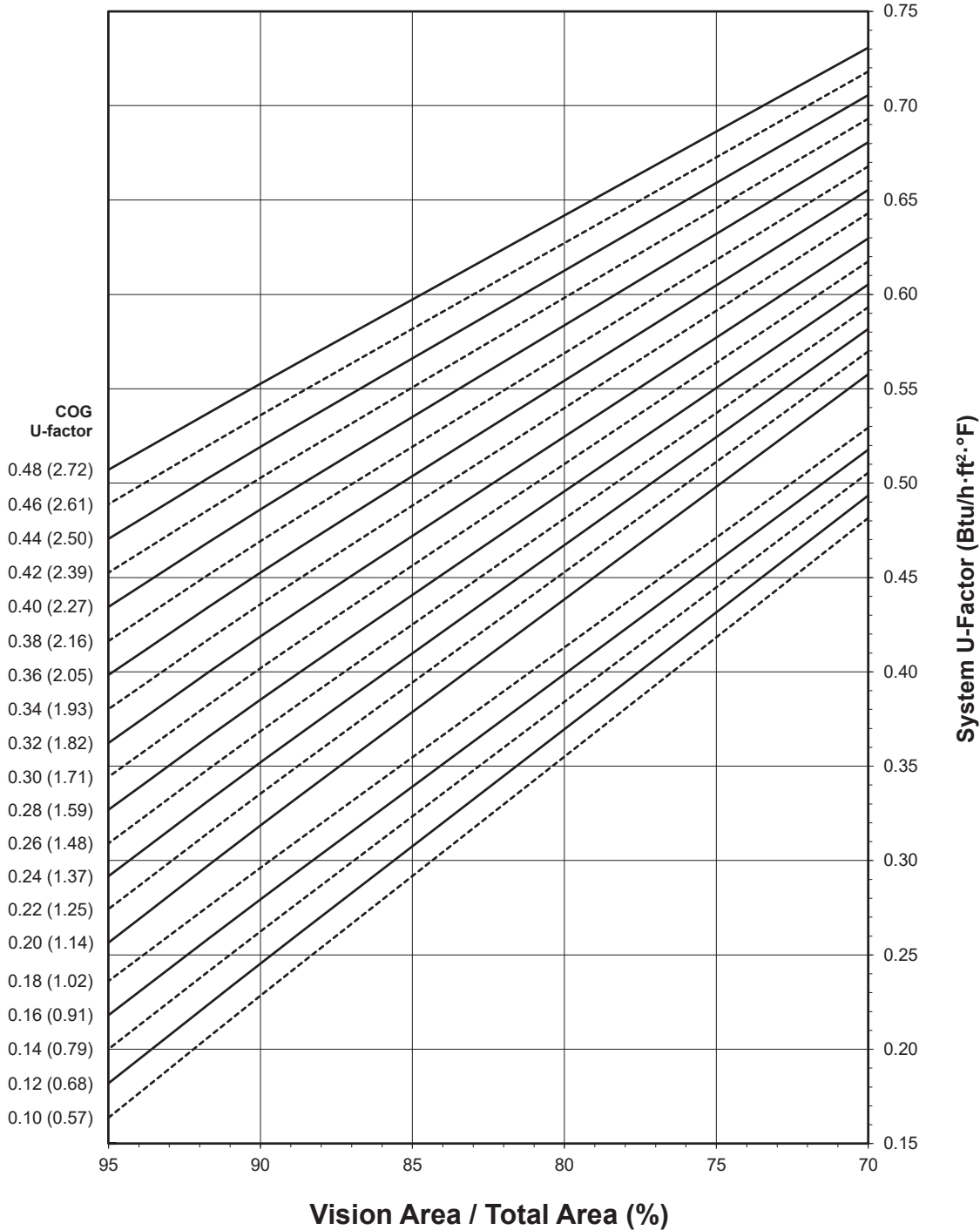
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**FG 601T PG Captured Window Wall  
1" Double Glazed - Aluminum Glazing Spacer**

**Note:**

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

**System U-Factor for Vision Glass**



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

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

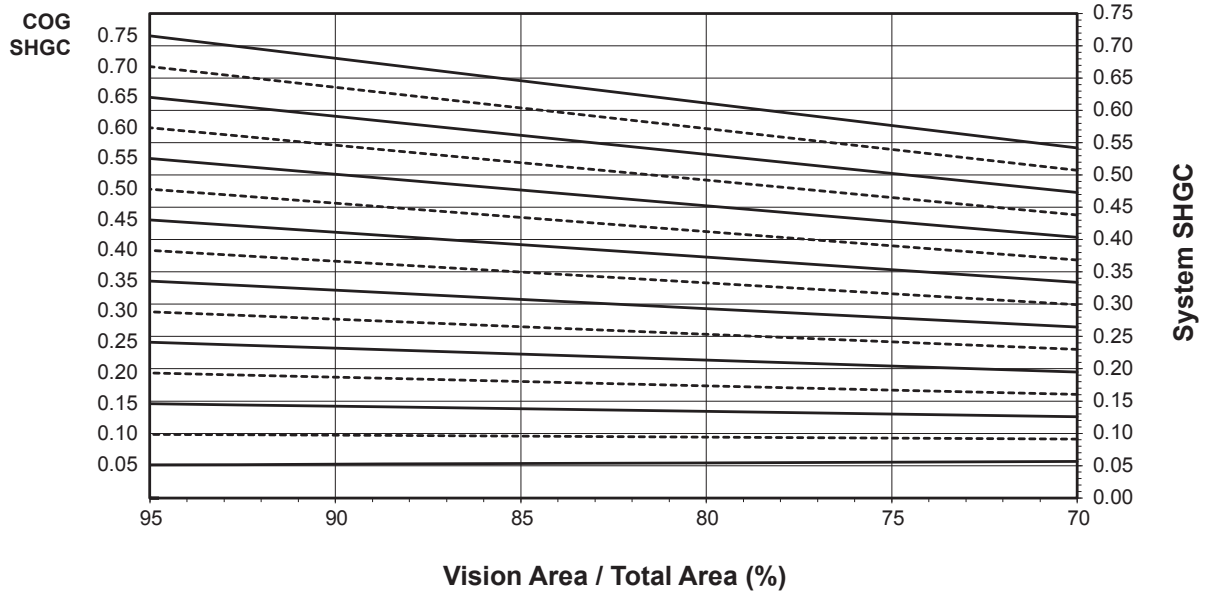
Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

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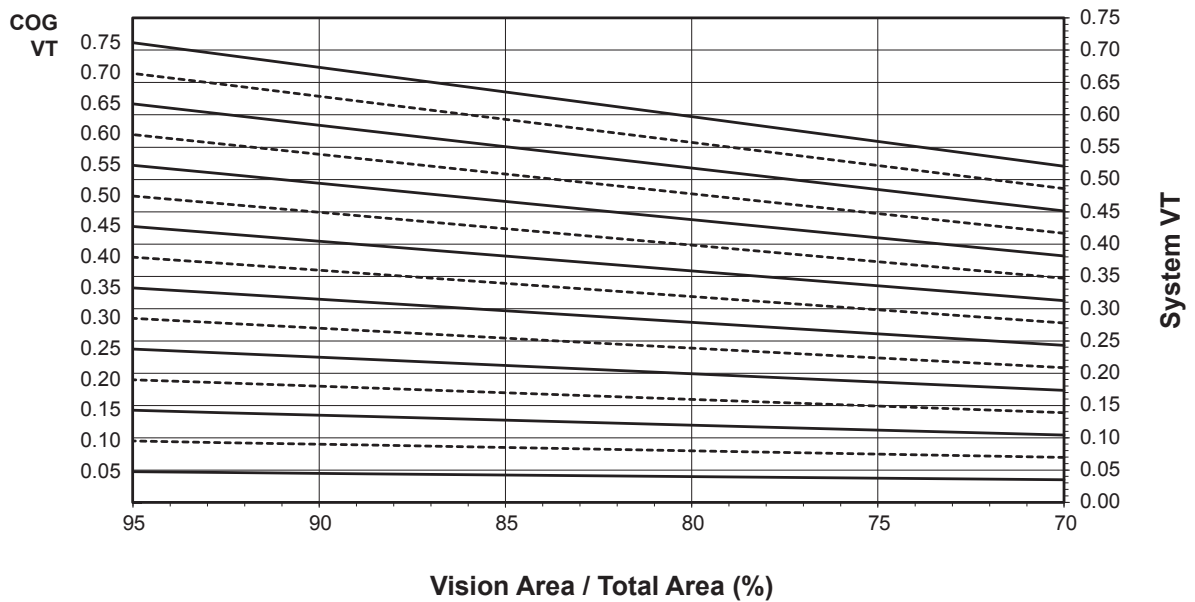
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FG 601T PG Captured Window Wall  
1" Double Glazed - Aluminum Glazing Spacer

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



System Visible Transmittance (VT) vs Percent of Vision Area



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	0.56
0.46	0.55
0.44	0.53
0.42	0.51
0.40	0.50
0.38	0.48
0.36	0.47
0.34	0.45
0.32	0.43
0.30	0.42
0.28	0.40
0.26	0.38
0.24	0.37
0.22	0.35
0.20	0.33
0.18	0.31
0.16	0.29
0.14	0.28
0.12	0.26
0.10	0.24

**FG 601T PG Captured Window Wall  
1" Double Glazed  
Aluminum Glazing Spacer**

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

1. U-Factors are determined in accordance with NFRC 100.
2. SHGC and VT values are determined in accordance with NFRC 200.
3. Glass properties are based on center of glass values and are obtained from your glass supplier.
4. Overall U-Factor, SHGC, and VT Matricies are based on the standard NFRC specimen size of 2,000 mm wide by 2,000 mm high (78-3/4" by 78-3/4").

**SHGC Matrix**<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	0.19
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	0.66
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	0.35
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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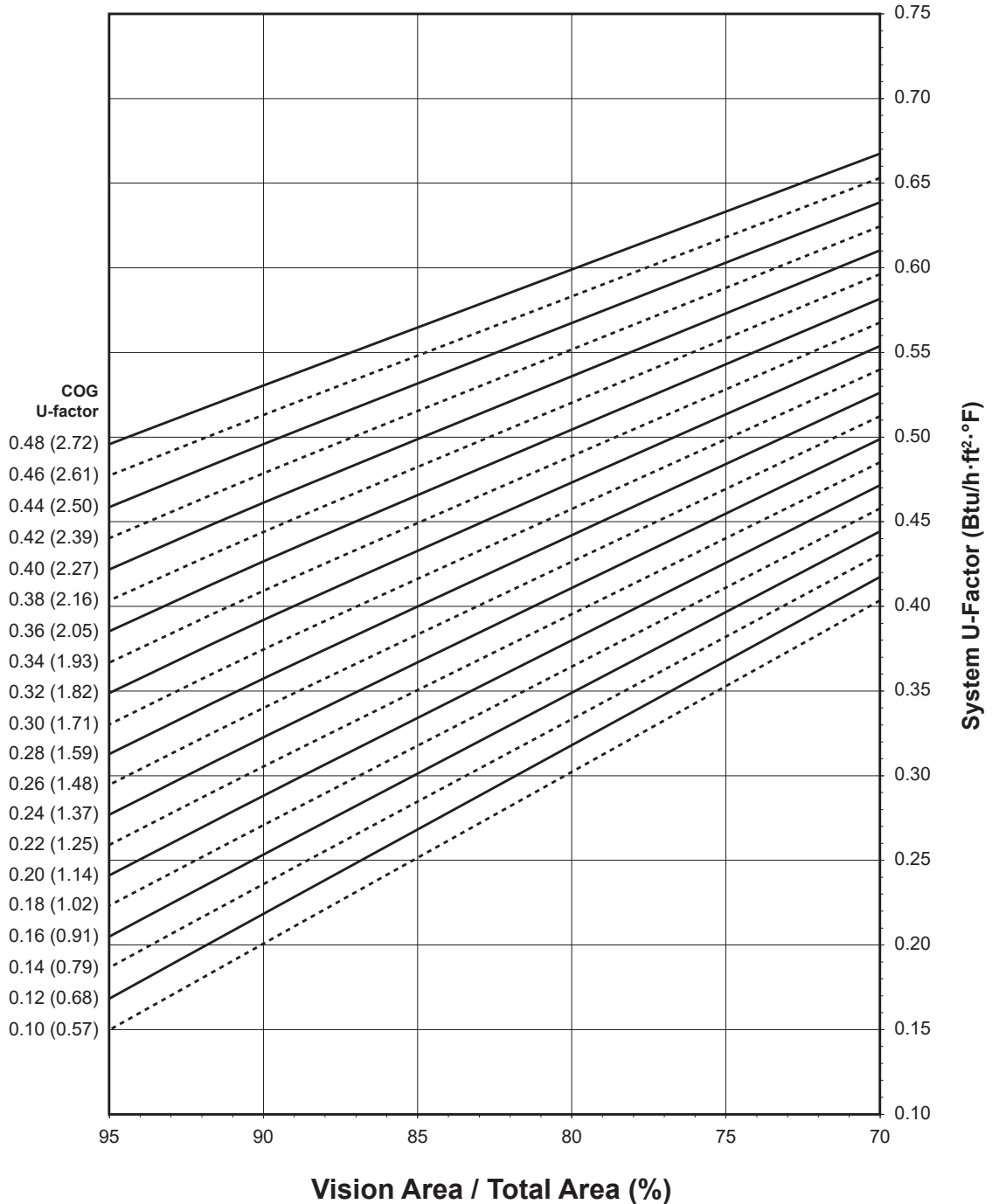
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**FG 601T PG SSG Window Wall  
1" Double Glazed - Warm Edge Glazing Spacer**

**Note:**

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

**System U-Factor for Vision Glass**



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

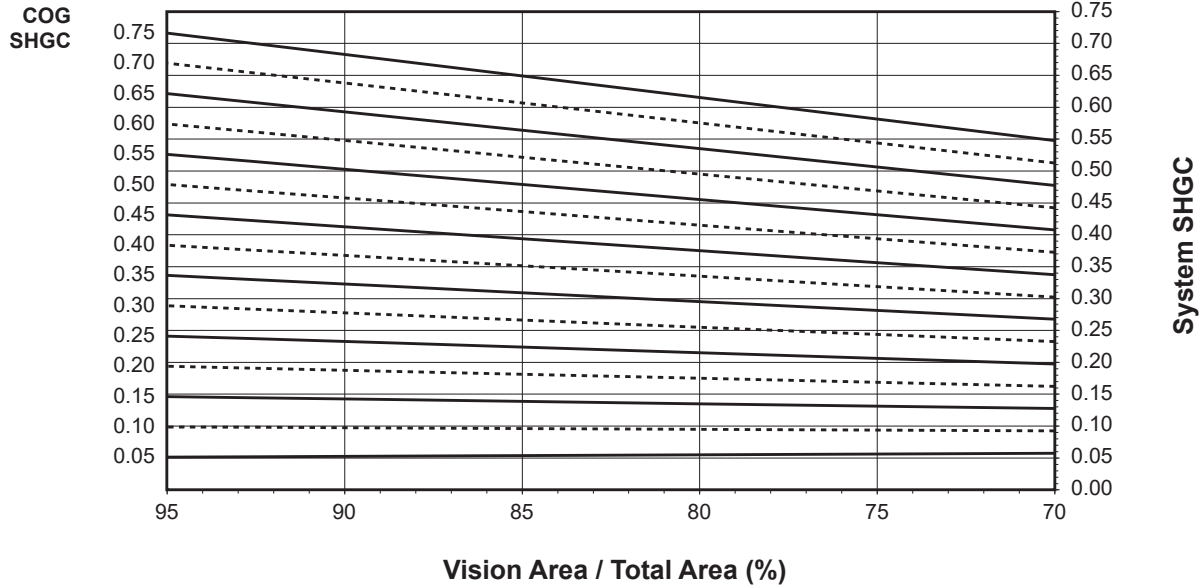
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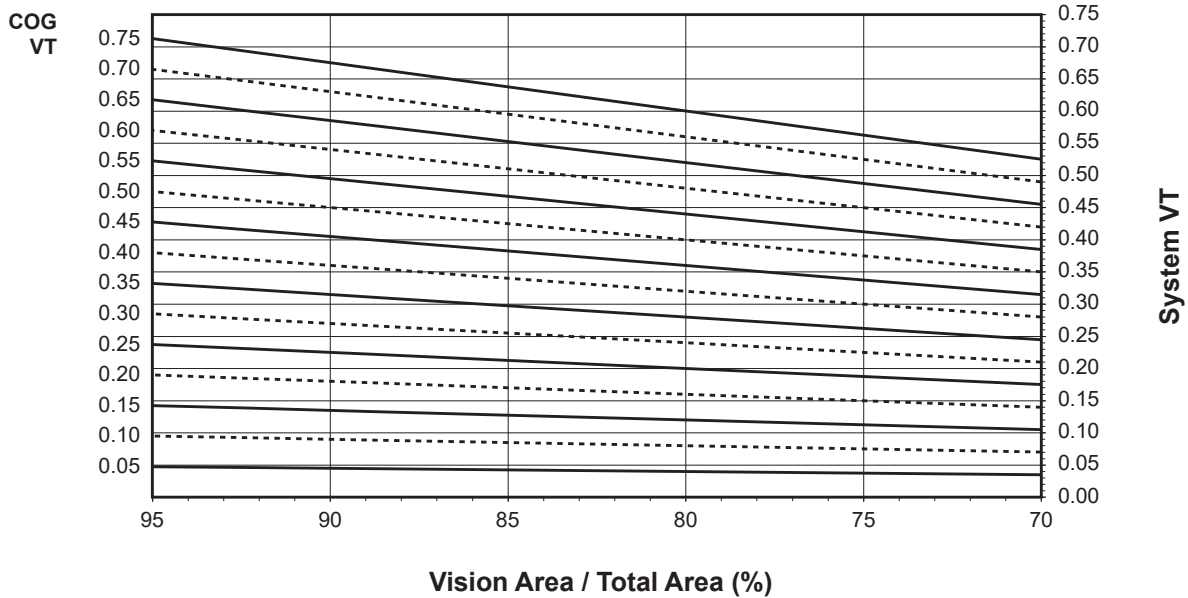
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**FG 601T PG SSG Window Wall  
1" Double Glazed - Warm Edge Glazing Spacer**

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



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



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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	0.54
0.46	0.52
0.44	0.50
0.42	0.49
0.40	0.47
0.38	0.45
0.36	0.44
0.34	0.42
0.32	0.40
0.30	0.39
0.28	0.37
0.26	0.35
0.24	0.33
0.22	0.32
0.20	0.30
0.18	0.28
0.16	0.27
0.14	0.25
0.12	0.23
0.10	0.21

**FG 601T PG SSG Window Wall  
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	0.19
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	0.35
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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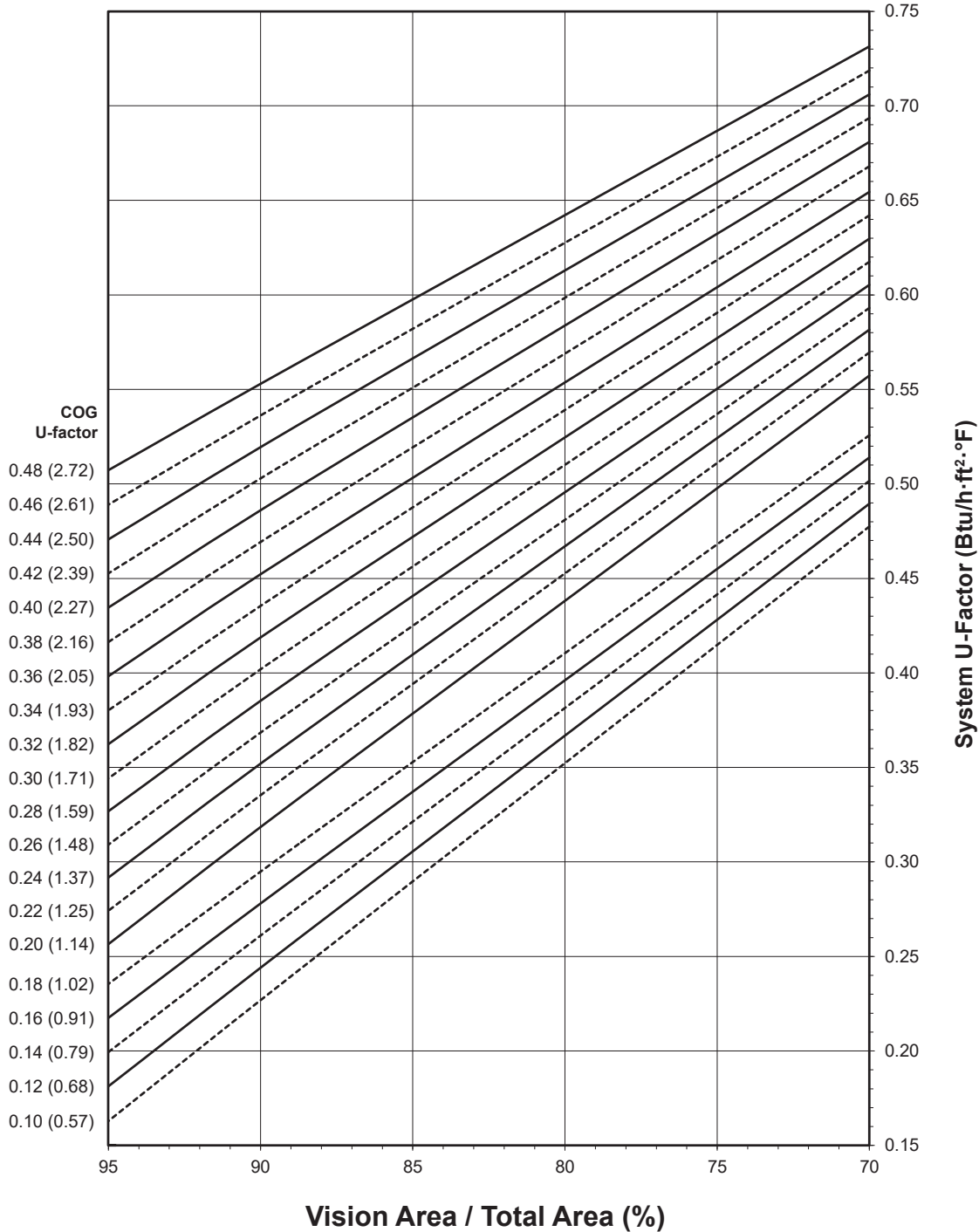
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**FG 601T PG SSG Window Wall  
1" Double Glazed - Aluminum Glazing Spacer**

**Note:**

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Charts are generated per AAMA 507

**System U-Factor for Vision Glass**



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

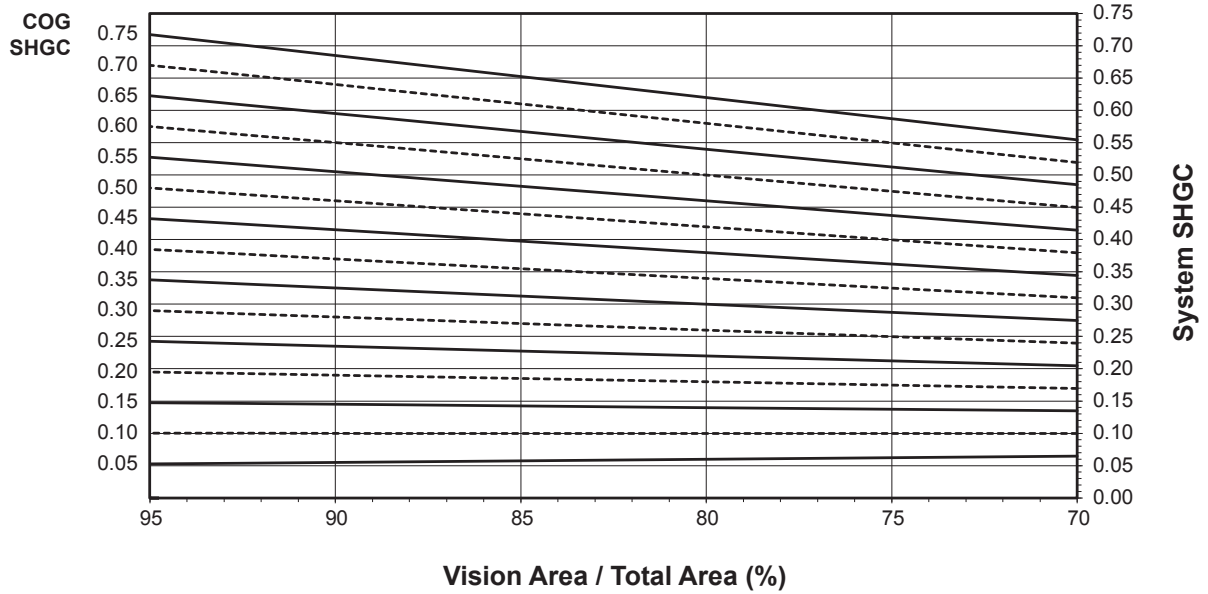
Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

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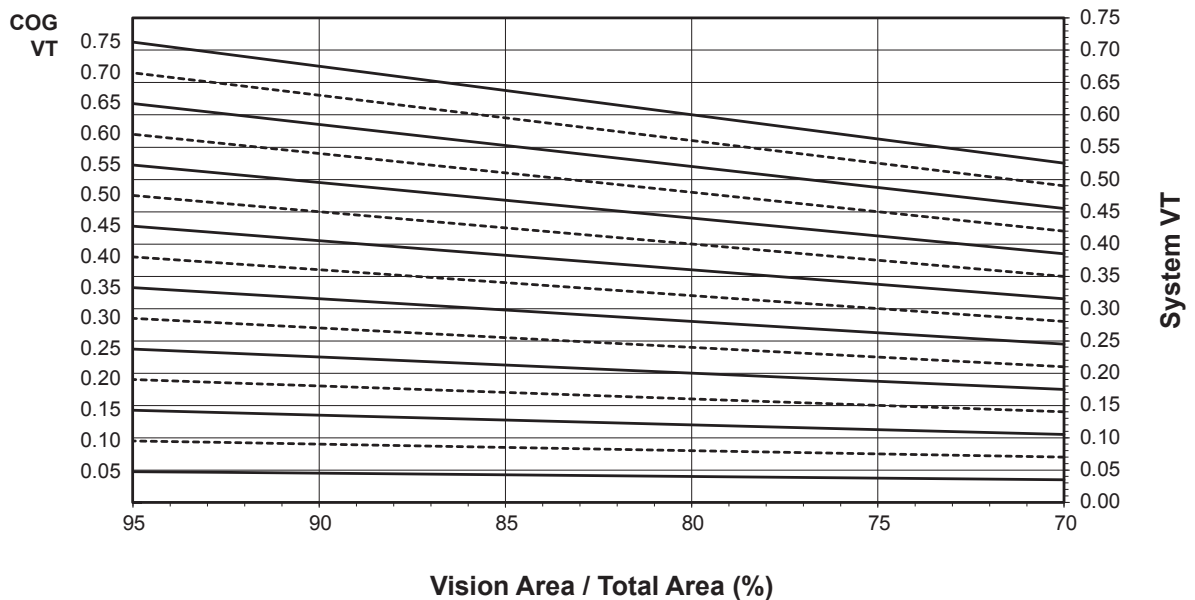


FG 601T PG SSG Window Wall  
1" Double Glazed - Aluminum Glazing Spacer

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



System Visible Transmittance (VT) vs Percent of Vision Area



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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	0.56
0.46	0.55
0.44	0.53
0.42	0.52
0.40	0.50
0.38	0.48
0.36	0.47
0.34	0.45
0.32	0.43
0.30	0.42
0.28	0.40
0.26	0.38
0.24	0.37
0.22	0.35
0.20	0.33
0.18	0.31
0.16	0.29
0.14	0.28
0.12	0.26
0.10	0.24

### FG 601T PG SSG Window Wall 1" Double Glazed Aluminum Glazing Spacer

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

1. U-Factors are determined in accordance with NFRC 100.
2. SHGC and VT values are determined in accordance with NFRC 200.
3. Glass properties are based on center of glass values and are obtained from your glass supplier.
4. Overall U-Factor, SHGC, and VT Matricies are based on the standard NFRC specimen size of 2,000 mm wide by 2,000 mm high (78-3/4" by 78-3/4").

**SHGC Matrix** <sup>2</sup>

Glass SHGC <sup>3</sup>	Overall SHGC <sup>4</sup>
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	0.37
0.35	0.32
0.30	0.28
0.25	0.23
0.20	0.19
0.15	0.14
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	0.62
0.65	0.58
0.60	0.53
0.55	0.49
0.50	0.44
0.45	0.40
0.40	0.35
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	76	74	67	67

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