

## **Features**

- 1620 is an outside glazed captured curtain wall
- 1620 has a 2" (50.8) sightline
- Standard 6" (152.4) or 7-1/2" (190.5) depth systems
- Standard infill options 1/4" (6.4) and 1" (25.4)
- Thermally Broken by means of a continuous 1/4" (6.4) low conductance spacer
- Concealed fastener joinery creates smooth, monolithic appearance
- Open-back horizontals and perimeters are available for cost savings
- Shear block fabrication method
- Corner mullions
- Offers integrated entrance framing systems
- Silicone compatible glazing materials for long-lasting seals
- Two color option
- Permanodic® anodized finishes option
- Painted finishes in standard and custom choices

## **Optional Features**

- Steel reinforcing
- Rain screen and backpans
- Deep covers
- Heavy-weight mullions
- Fiberglass pressure plates
- Integrates with standard Kawneer windows and GLASSvent® windows for curtain wall
- Profit\$Maker® Plus die sets

## **Product Applications**

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

For specific product applications,  
consult your Kawneer representative.

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.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

**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.

**PICTORIAL VIEW .....5**

**1" & 1/4" INFILL DETAILS .....6**

**ENTRANCE DETAILS .....7,8**

**CORNERS.....9**

**SPLAYED MULLION OPTIONS .....10**

**GLASSvent® WINDOWS FOR CURTAIN WALL .....11**

**BACKPAN AND MISCELLANEOUS DETAILS .....12**

**MISCELLANEOUS FRAMING.....13**

**ANCHORING .....14,15**

**WIND LOAD CHARTS..... 16-20**

**DEADLOAD CHARTS ..... 21-22**

**THERMAL CHARTS ..... 23-31**

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:

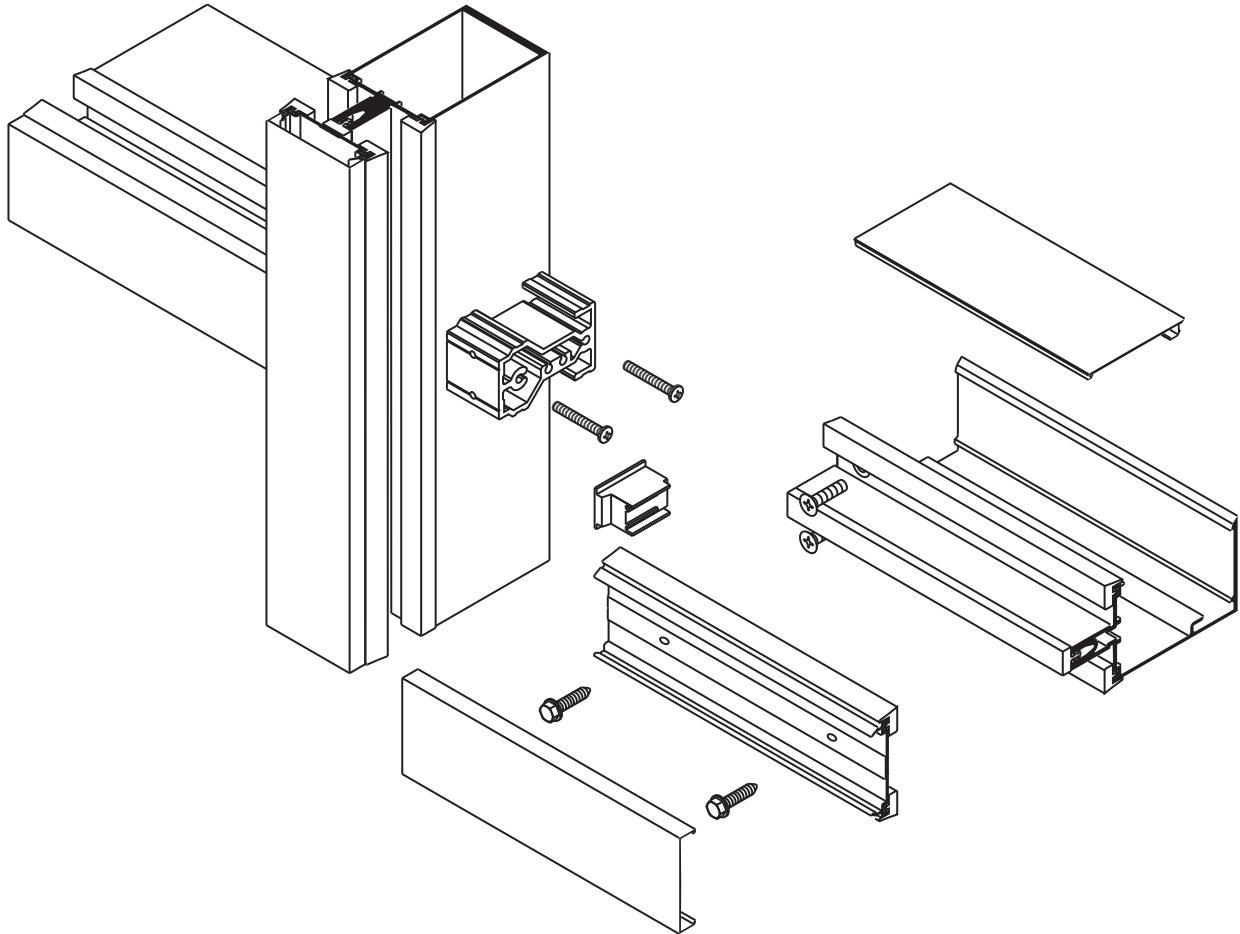
- m – meter
- cm – centimeter
- mm – millimeter
- s – second
- Pa – pascal
- MPa – megapascal

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.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

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.

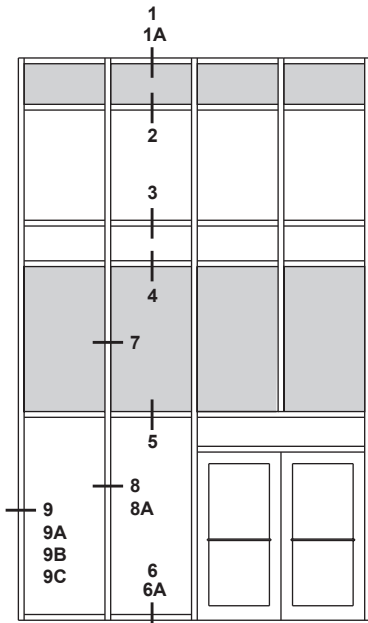
Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.



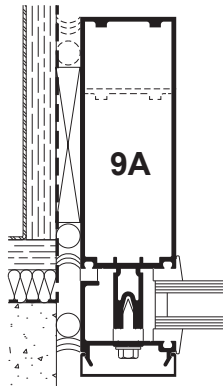
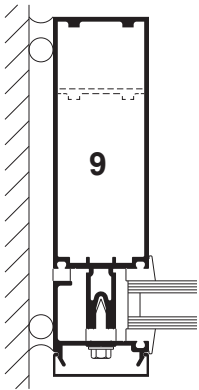
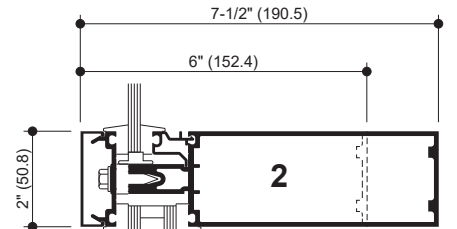
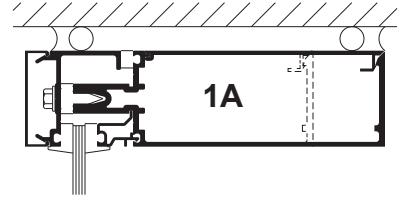
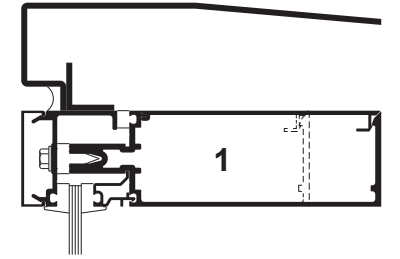
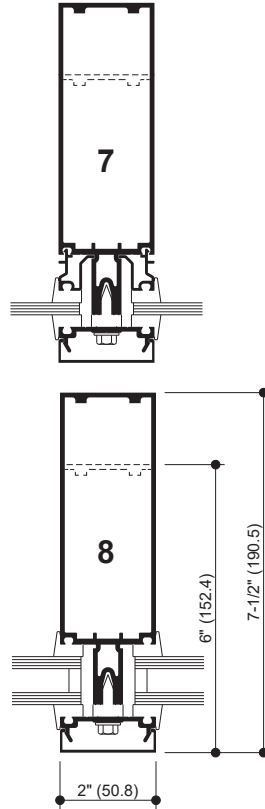
Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

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

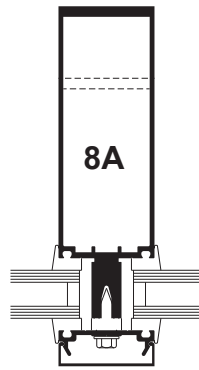


ELEVATION IS NUMBER KEYED TO DETAILS

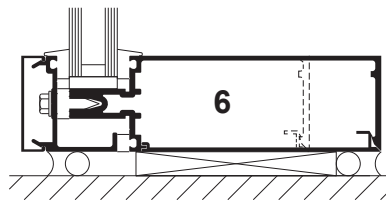
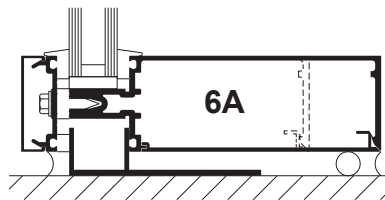
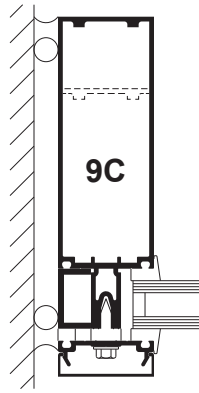
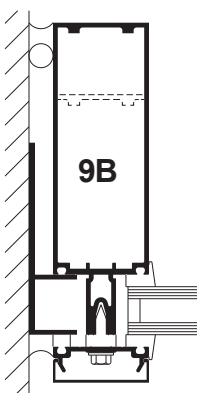
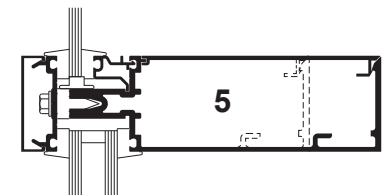
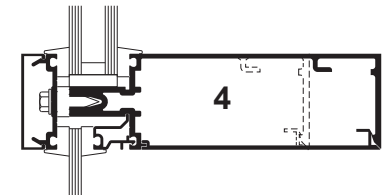
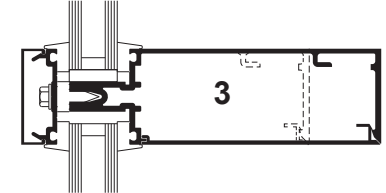


RAINSCREEN AIR/WATER SEAL

Note: Jamb detail shown only, other perimeter details similar.



HEAVY VERTICAL MULLION



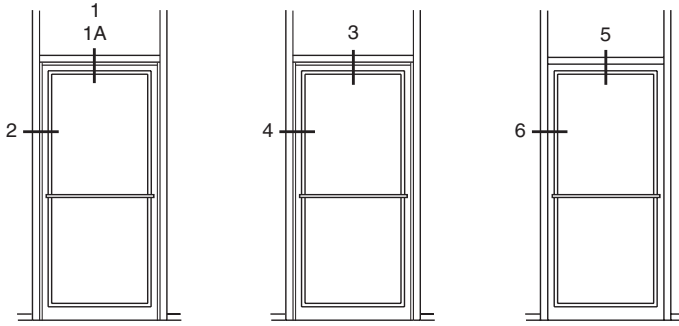
Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

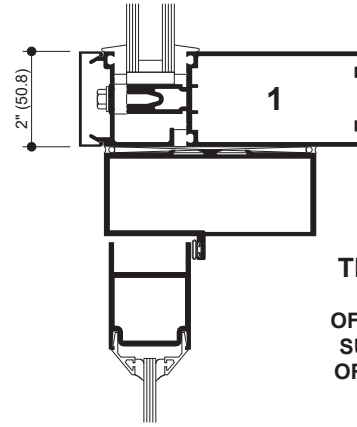
Additional information and CAD details are available at [www.kawneer.com](http://www.kawneer.com)

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.

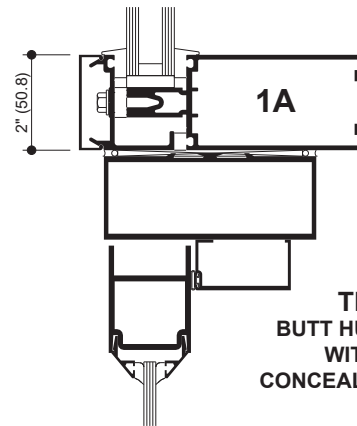
Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.



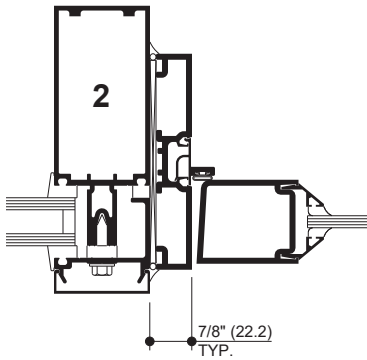
B/H OR O/P                      C/H                      B/H OR O/P  
ELEVATION IS NUMBER KEYED TO DETAILS



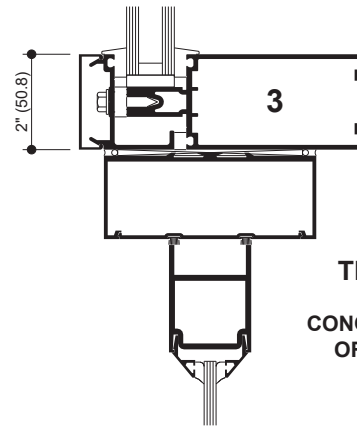
**TRANSOM BAR**  
BUTT HUNG OR  
OFFSET PIVOT WITH  
SURFACE CLOSER  
OR FLOOR CLOSER



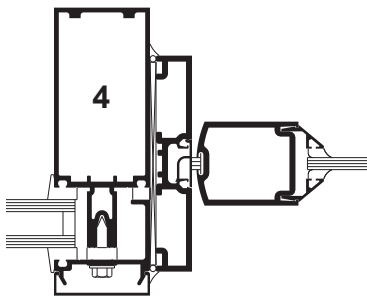
**TRANSOM BAR**  
BUTT HUNG OR OFFSET PIVOT  
WITH SINGLE ACTING  
CONCEALED OVERHEAD CLOSER



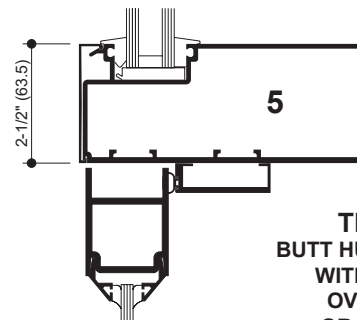
**DOOR JAMB**  
BUTT HUNG OR  
OFFSET PIVOT



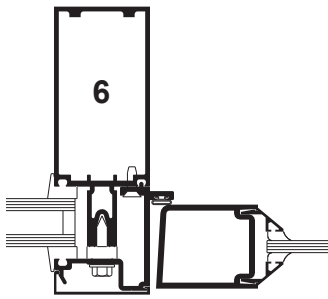
**TRANSOM BAR**  
CENTER HUNG  
CONCEALED OVERHEAD  
OR FLOOR CLOSER



**DOOR JAMB**  
CENTER HUNG

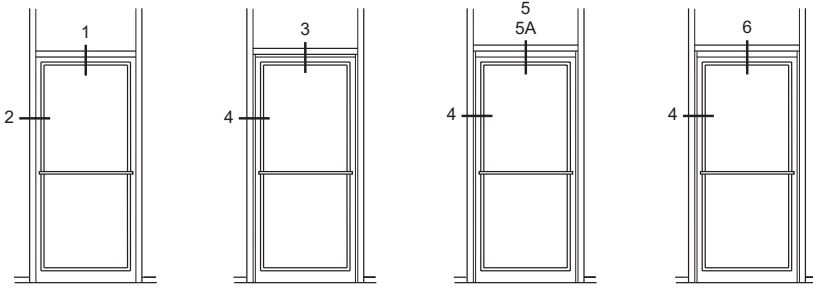


**TRANSOM BAR**  
BUTT HUNG OR OFFSET PIVOT  
WITH LCN CONCEALED  
OVER HEAD CLOSER  
OR SURFACE CLOSER



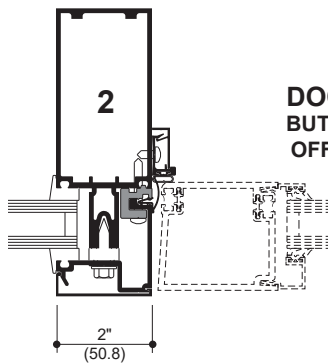
**DOOR JAMB**  
BUTT HUNG OR  
OFFSET PIVOT

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

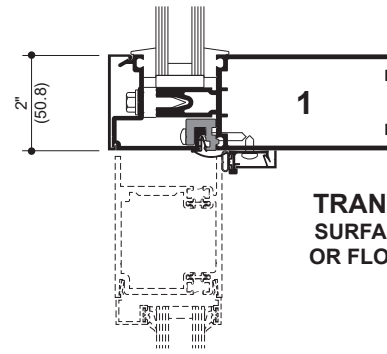


B/H OR O/P

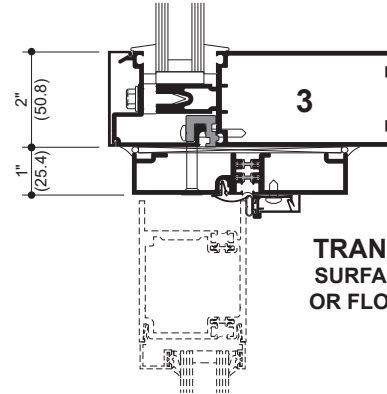
ELEVATION IS NUMBER KEYED TO DETAILS



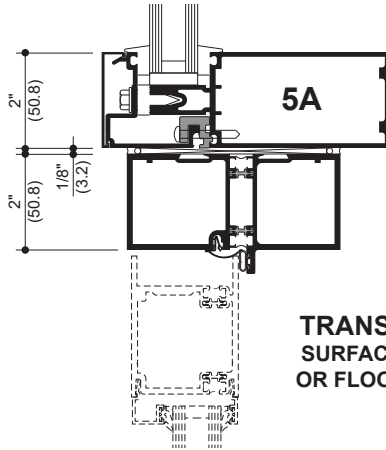
**DOOR JAMB  
BUTT HUNG OR  
OFFSET PIVOT**



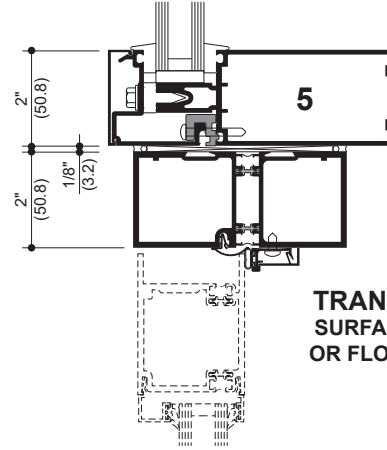
**TRANSOM BAR  
SURFACE CLOSER  
OR FLOOR CLOSER**



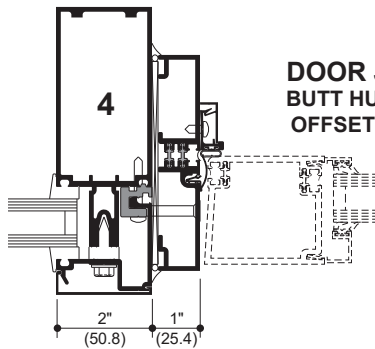
**TRANSOM BAR  
SURFACE CLOSER  
OR FLOOR CLOSER**



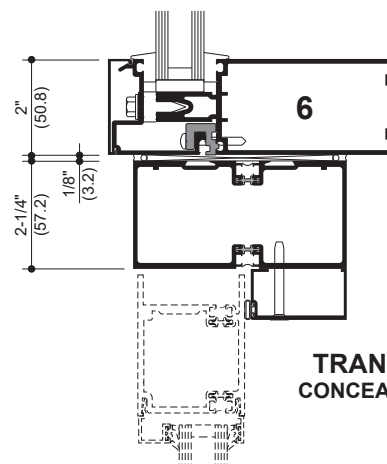
**TRANSOM BAR  
SURFACE CLOSER  
OR FLOOR CLOSER**



**TRANSOM BAR  
SURFACE CLOSER  
OR FLOOR CLOSER**



**DOOR JAMB  
BUTT HUNG OR  
OFFSET PIVOT**



**TRANSOM BAR  
CONCEALED CLOSER**

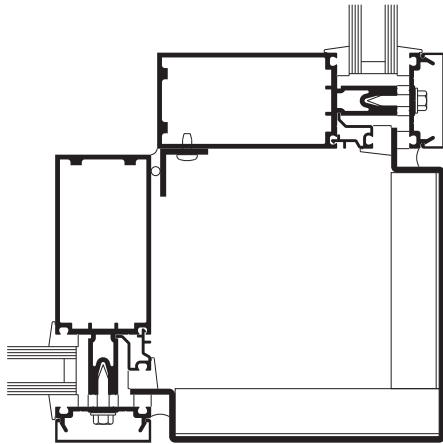
Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

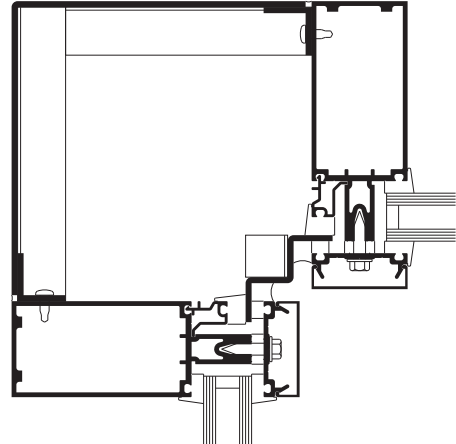


Additional information and CAD details are available at [www.kawneer.com](http://www.kawneer.com)

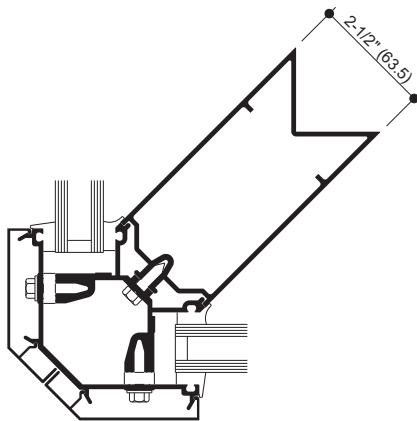
NOTE: 6" SYSTEM SHOWN, 7-1/2" SYSTEM SIMILAR.



90° OUTSIDE CORNER



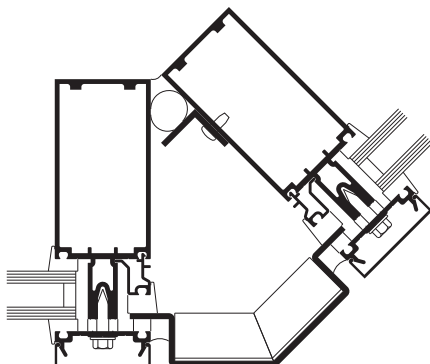
90° INSIDE CORNER



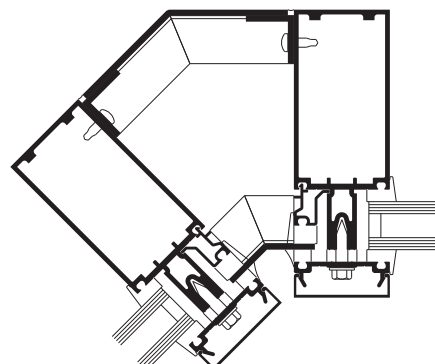
90° OUTSIDE CORNER



135° OUTSIDE CORNER



135° OUTSIDE CORNER



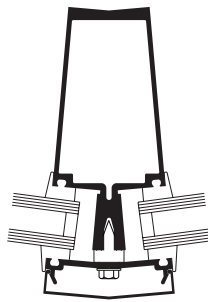
135° INSIDE CORNER

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.

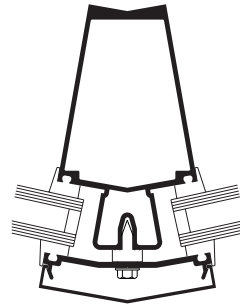
Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

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

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

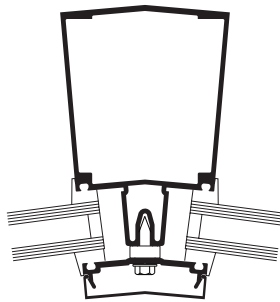


10°

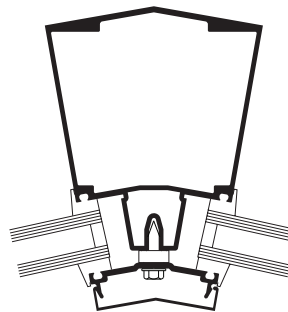


20°

### OUTSIDE SPLAYED MULLIONS



10°



20°

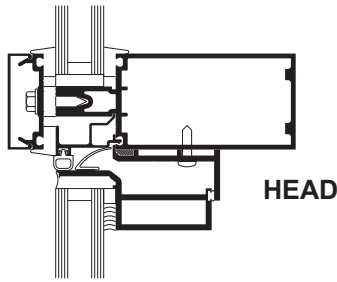
### INSIDE SPLAYED MULLIONS

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.

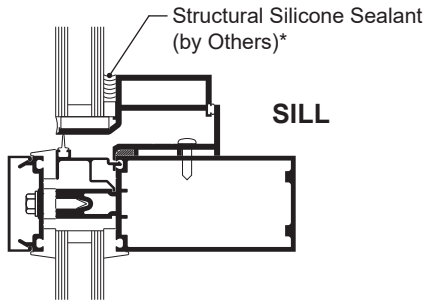
Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

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

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.

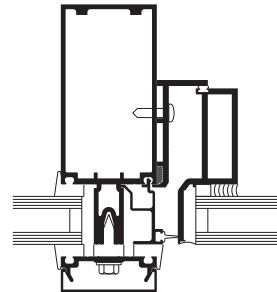


HEAD



SILL

## GLASSvent® WINDOWS FOR CURTAIN WALL



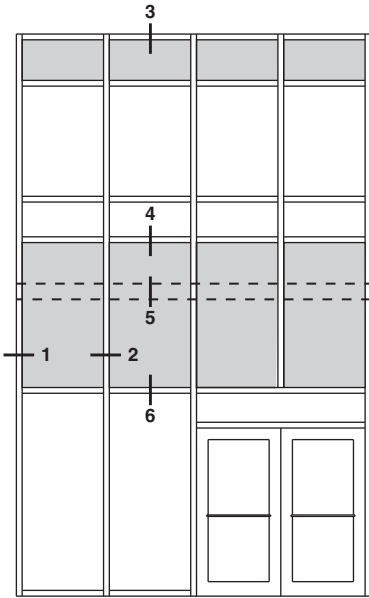
JAMB

NOTE: Project-out GLASSvent® window shown

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

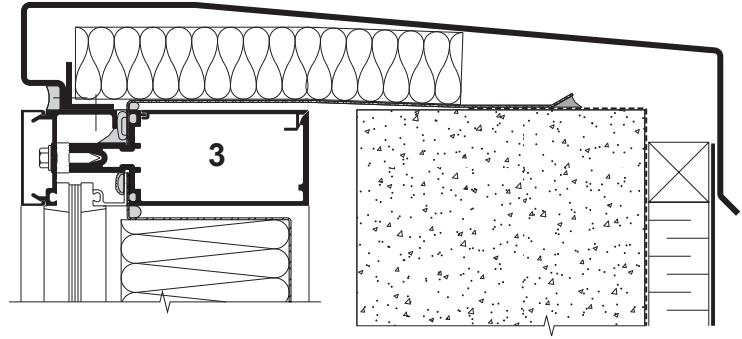
\* **INSTALLER NOTE:** Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

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

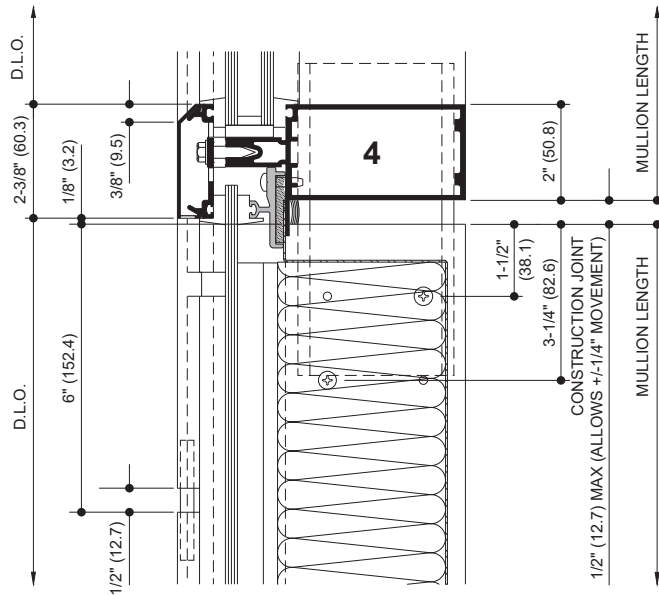


ELEVATION IS NUMBER KEYED TO DETAILS

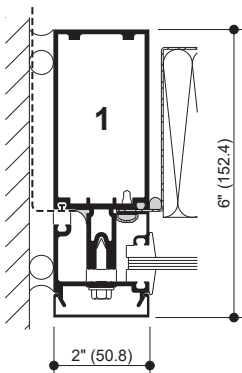
NOTE: 6" SYSTEM SHOWN,  
7-1/2" SYSTEM SIMILAR



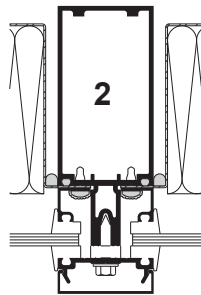
HEAD TRANSOM AT PARAPET FLASHING



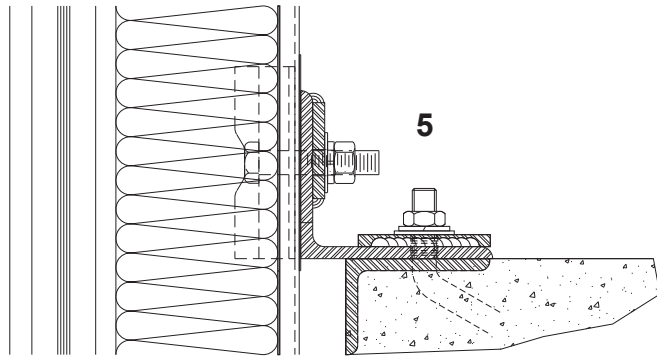
EXPANSION JOINT



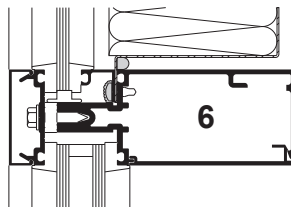
JAMB MULLION AT SPANDREL  
(With vapor barrier tie-in)



MULLION AT SPANDREL



TYPICAL DEADLOAD ANCHOR



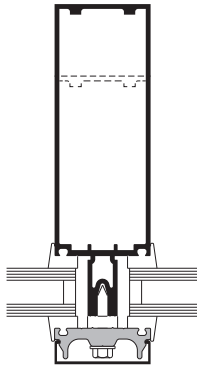
TRANSOM - SPANDREL OVER VISION

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.

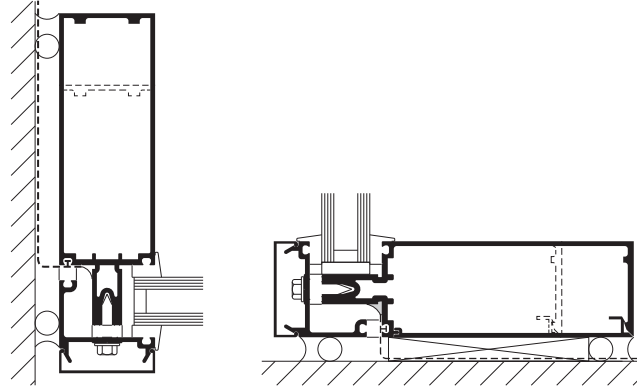
Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

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

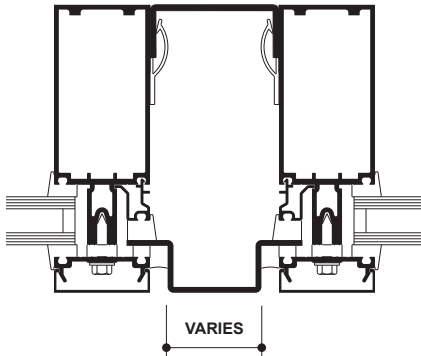
Architects – Most extrusion and window types illustrated in this catalog are standard products for Kawneer. These concepts have been expanded and modified to afford you design freedom. Some miscellaneous details are non-standard and are intended to demonstrate how the system can be modified to expand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



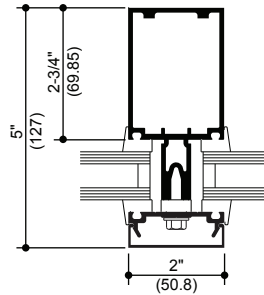
WITH FIBERGLASS PRESSURE PLATE



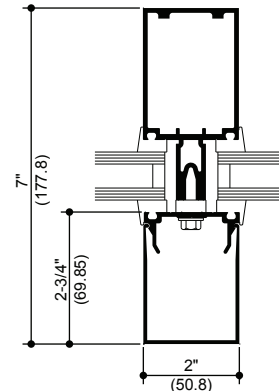
WITH VAPOR BARRIER TIE-IN



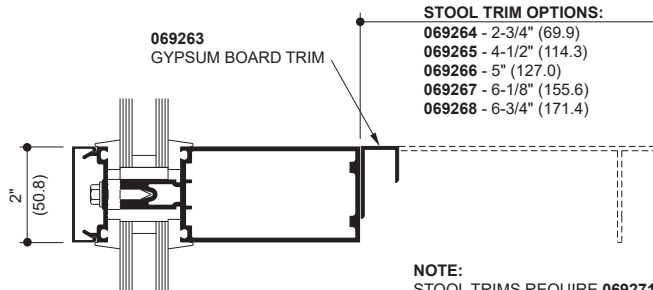
DOUBLE MULLION



OPTIONAL MULLION



OPTIONAL MULLION  
OPTIONAL COVER



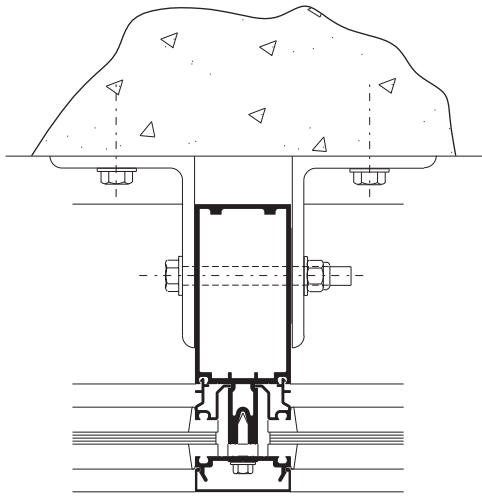
NOTE:  
STOOL TRIMS REQUIRE 069271 TRIM CLIP PACKAGE

INTERIOR STOOL TRIM

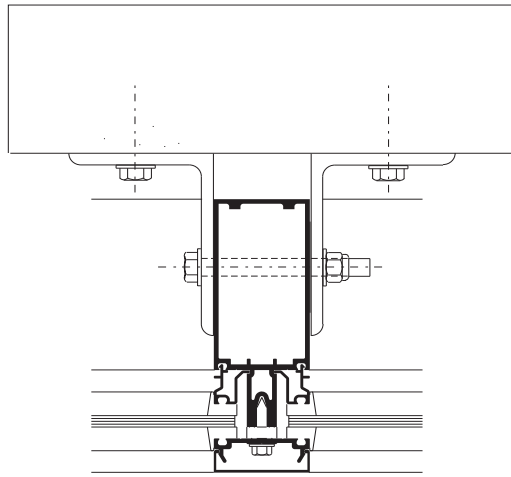
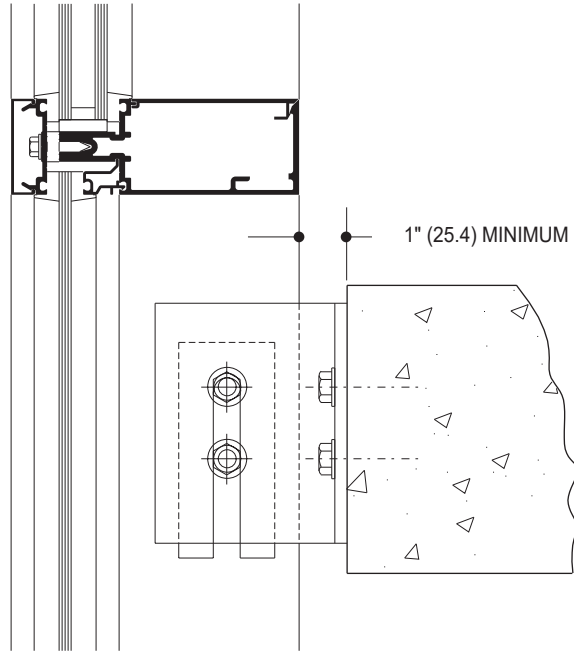
Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

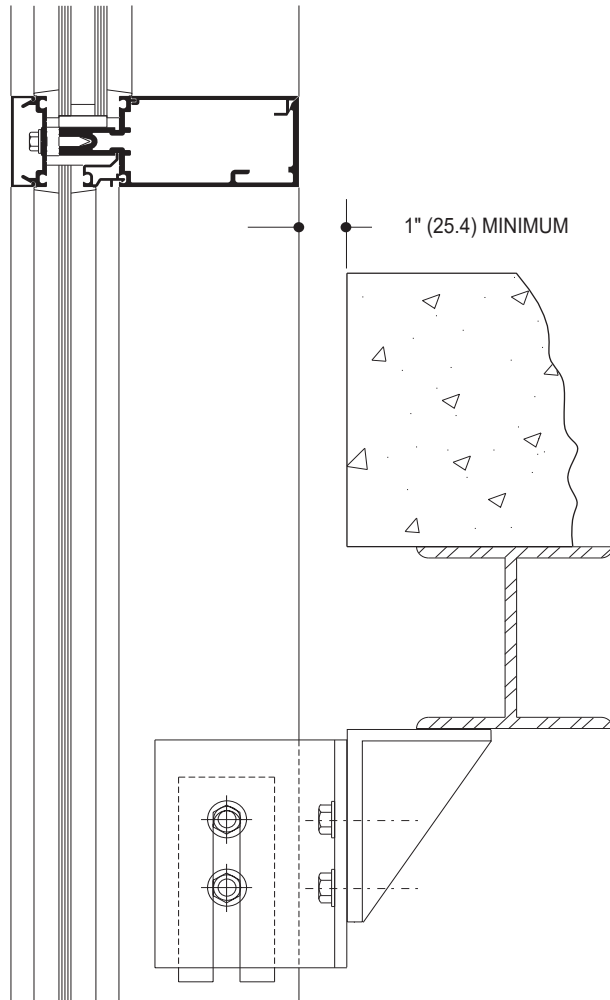
Actual project conditions will determine specific anchor design. Details on this page are for reference only.



**ANCHORING TO FLOOR SLAB**



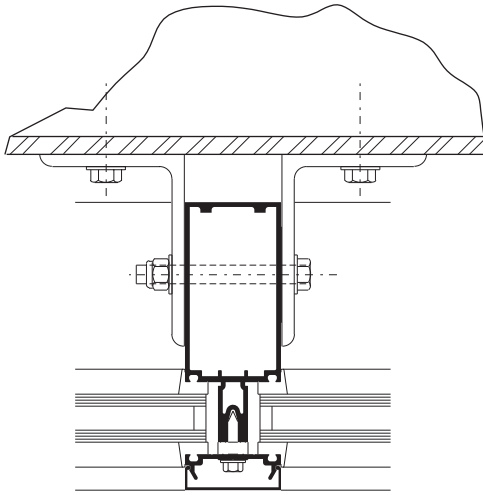
**ANCHORING TO SUPPORT STEEL**



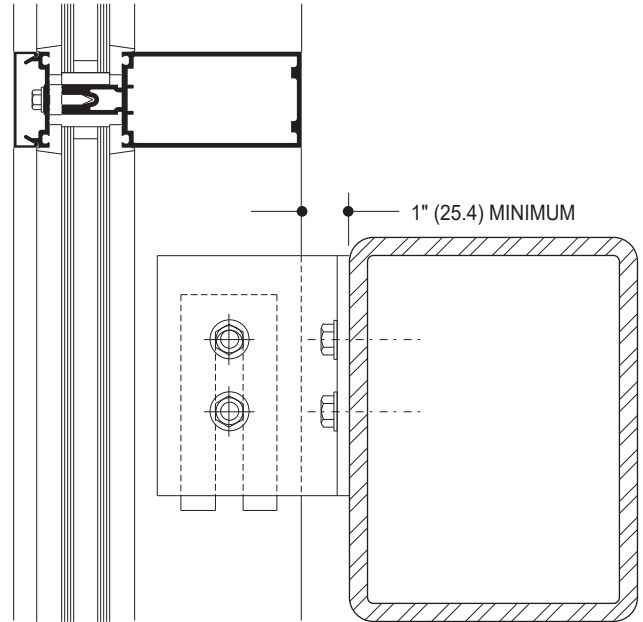
Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

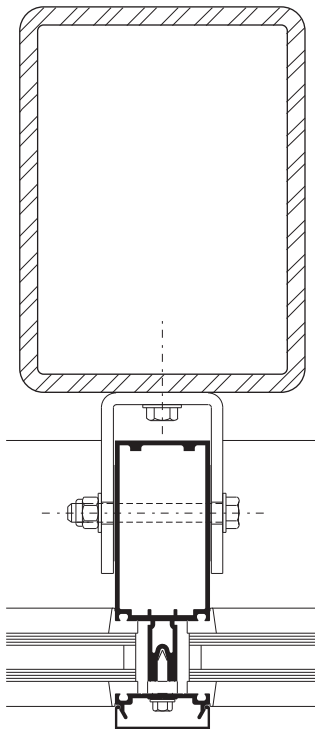
Actual project conditions will determine specific anchor design. Details on this page are for reference only.



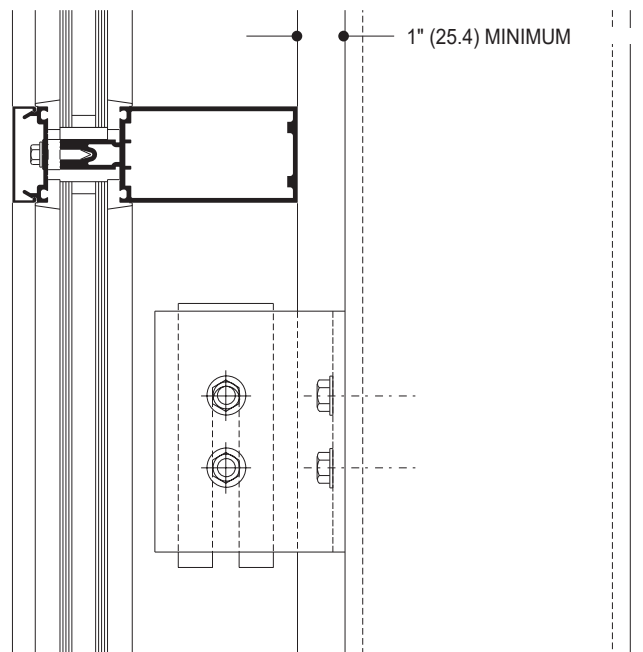
**ANCHORING TO HORIZONTAL  
STRUCTURAL STEEL**



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.



**ANCHORING TO VERTICAL  
STRUCTURAL STEEL**



Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

## 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 (104MPa), STEEL 30,000 psi (207MPa). 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

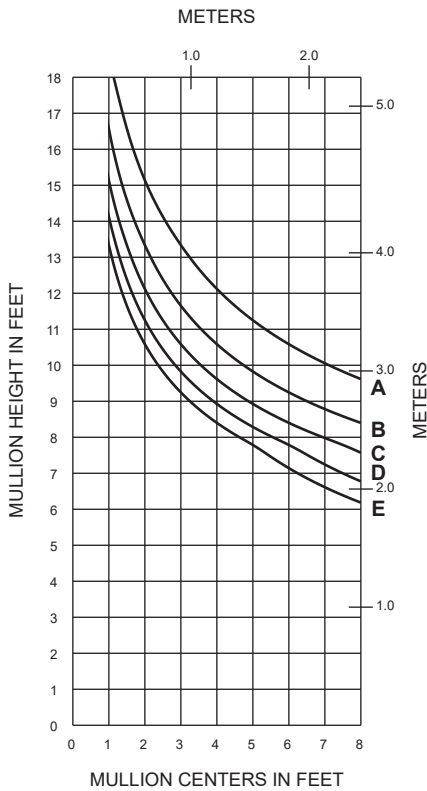
Horizontal or deadload limitations are based upon 1/8" (3.2), maximum allowable deflection at the center of an intermediate horizontal member. The accompanying charts are calculated for 1" (25.4) thick insulating glass or 1/4" (6.4) thick glass supported on two setting blocks placed at the loading points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

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.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

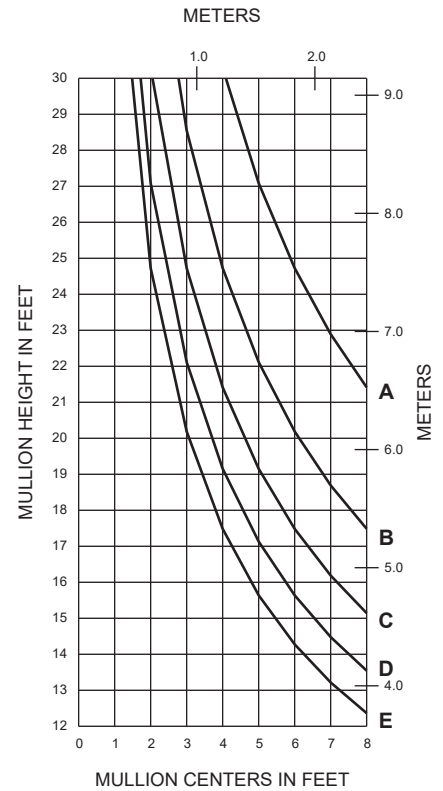


## SINGLE SPAN

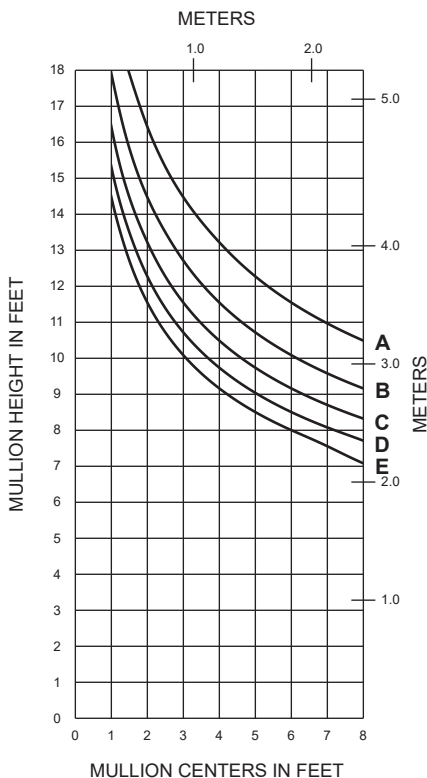


	Allowable Stress Design Load	LRFD Ultimate Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	50 PSF (2400)	83 PSF (4000)
E =	60 PSF (2880)	100 PSF (4790)

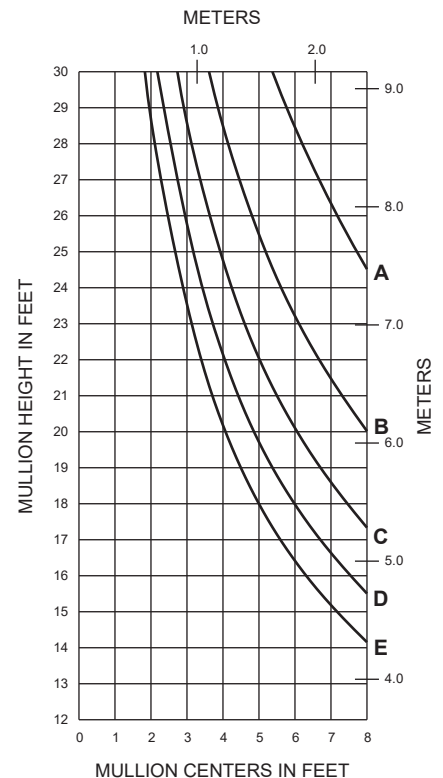
## TWIN SPAN



## SINGLE SPAN



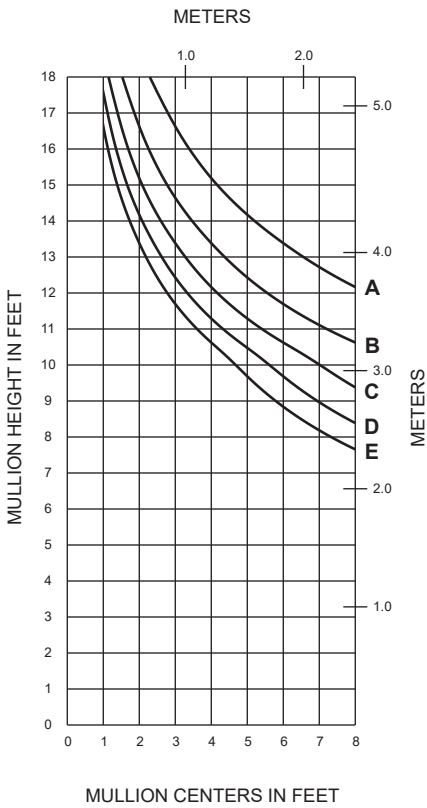
## TWIN SPAN



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.

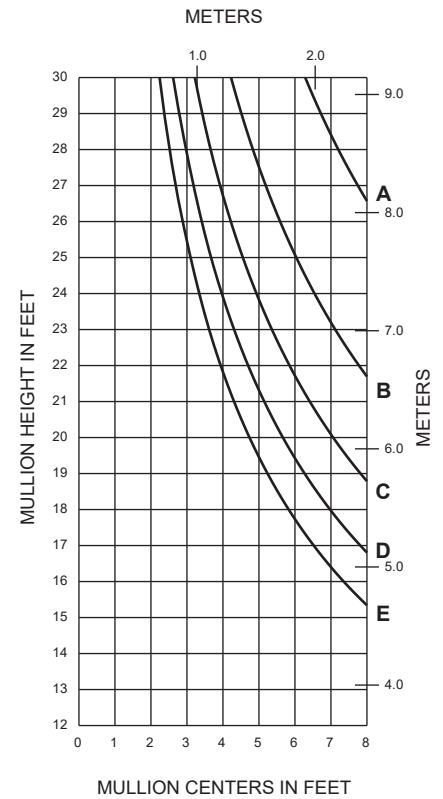
Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

## SINGLE SPAN

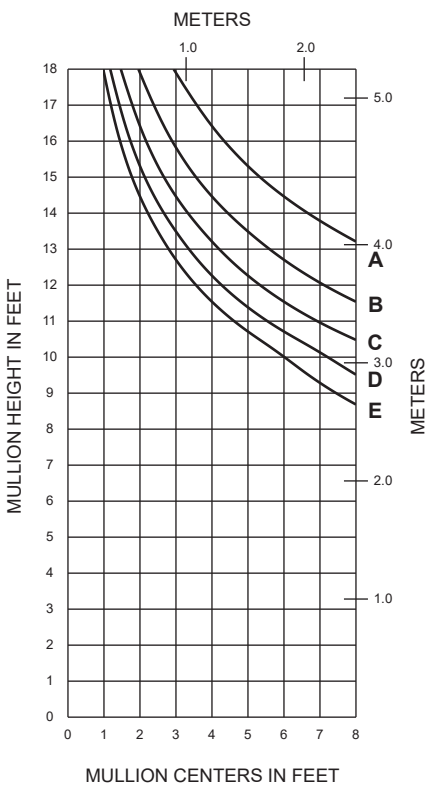


	Allowable Stress Design Load	LRFD Ultimate Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	50 PSF (2400)	83 PSF (4000)
E =	60 PSF (2880)	100 PSF (4790)

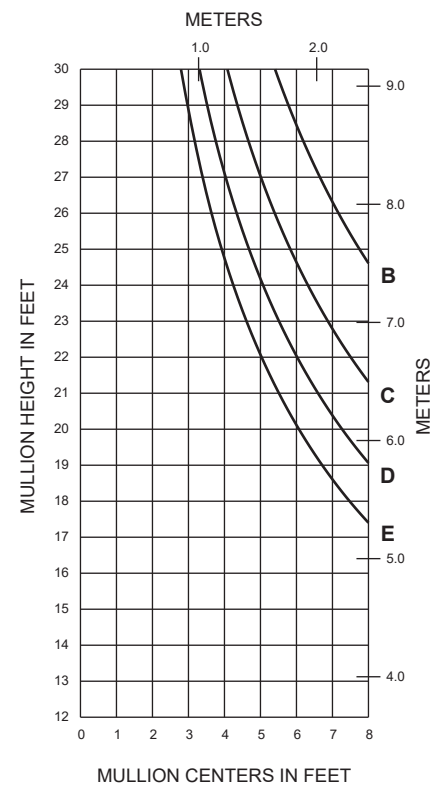
## TWIN SPAN



## SINGLE SPAN



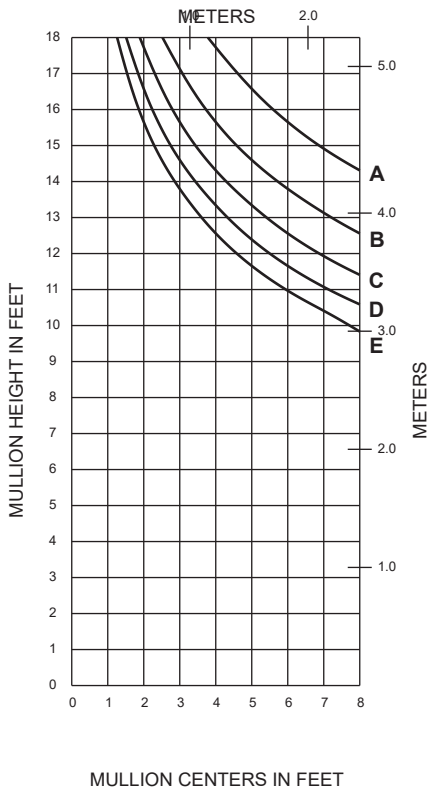
## TWIN SPAN



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.

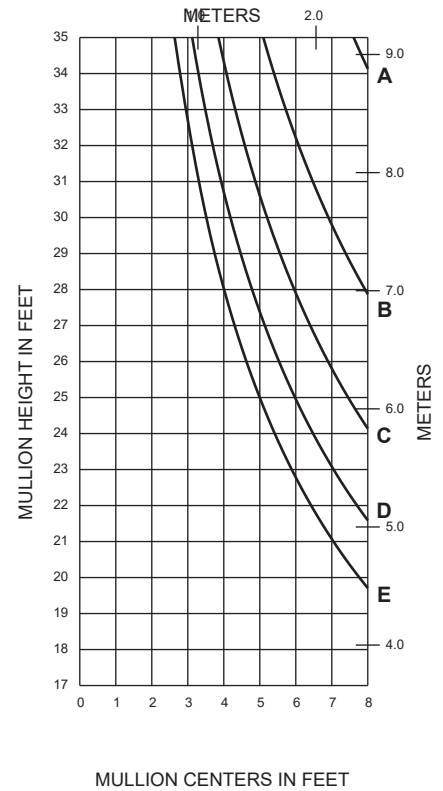
Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
 © 2014, Kawneer Company, Inc.

## SINGLE SPAN



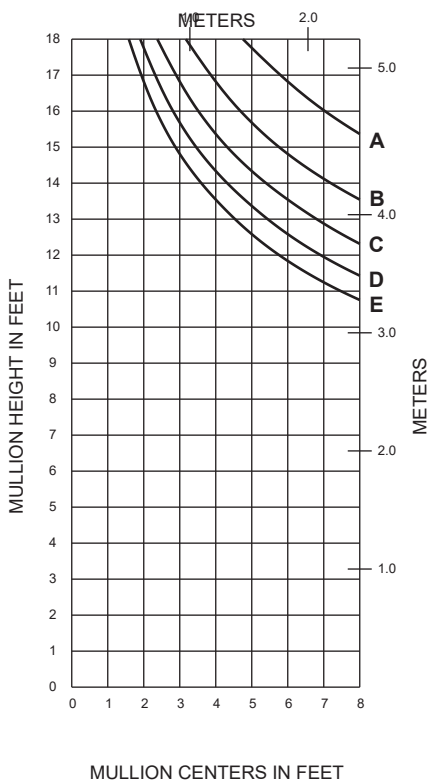
	Allowable Stress Design Load	LRFD Ultimate Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	50 PSF (2400)	83 PSF (4000)
E =	60 PSF (2880)	100 PSF (4790)

## TWIN SPAN



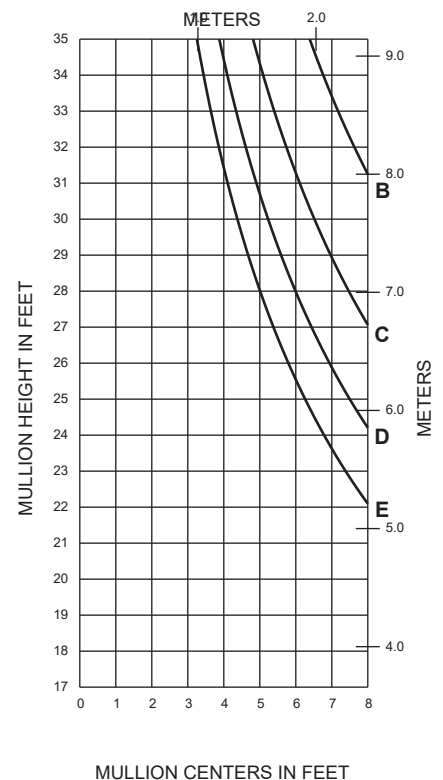
**178003**  
**W/162302**  
 $I_a = 9.414(391.84 \times 10^4)$   
 $S_a = 2.782(45.59 \times 10^3)$   
 $I_s = 2.111(87.87 \times 10^4)$   
 $S_s = 1.108(18.16 \times 10^3)$

## SINGLE SPAN



**178003**  
**W/162302/303**  
 $I_a = 9.414(391.84 \times 10^4)$   
 $S_a = 2.782(45.59 \times 10^3)$   
 $I_s = 3.489(145.22 \times 10^4)$   
 $S_s = 1.831(30.00 \times 10^3)$

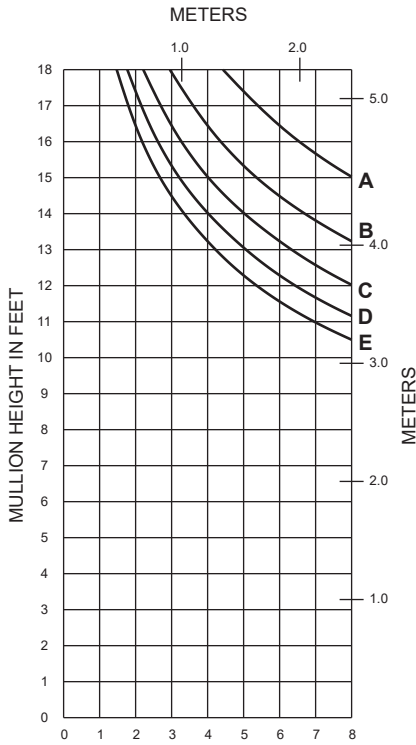
## TWIN SPAN



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.

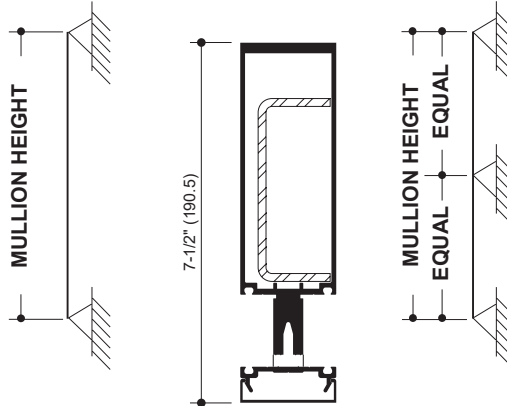
Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

## SINGLE SPAN



MULLION CENTERS IN FEET

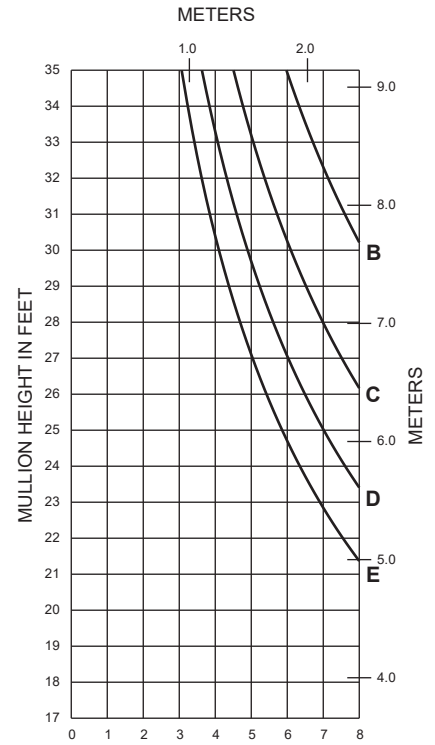
	Allowable Stress Design Load	LRFD Ultimate Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	50 PSF (2400)	83 PSF (4000)
E =	60 PSF (2880)	100 PSF (4790)



**178004  
W/162302**

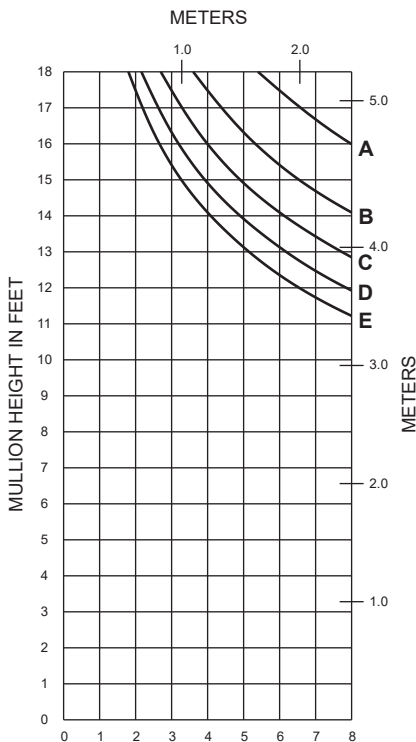
$I_a = 12.059(501.93 \times 10^4)$   
 $S_a = 3.580(58.67 \times 10^3)$   
 $I_s = 2.111(87.87 \times 10^4)$   
 $S_s = 1.108(18.16 \times 10^3)$

## TWIN SPAN

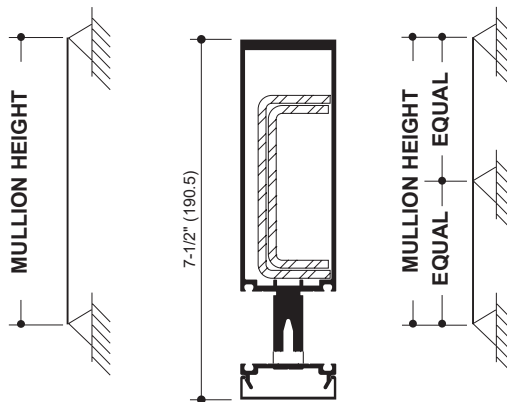


MULLION CENTERS IN FEET

## SINGLE SPAN



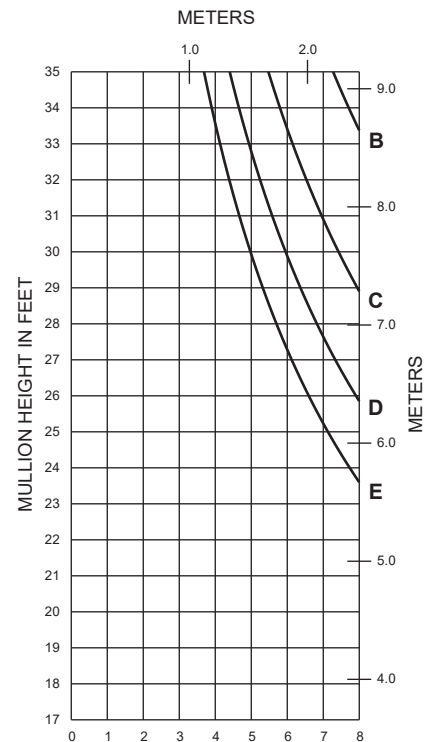
MULLION CENTERS IN FEET



**178004  
W/162302/303**

$I_a = 12.059(501.93 \times 10^4)$   
 $S_a = 3.580(58.67 \times 10^3)$   
 $I_s = 3.489(145.22 \times 10^4)$   
 $S_s = 1.831(30.00 \times 10^3)$

## TWIN SPAN



MULLION CENTERS IN FEET

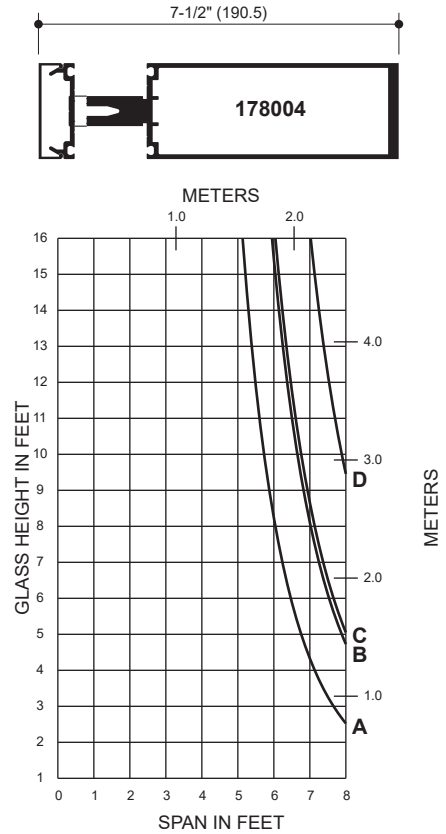
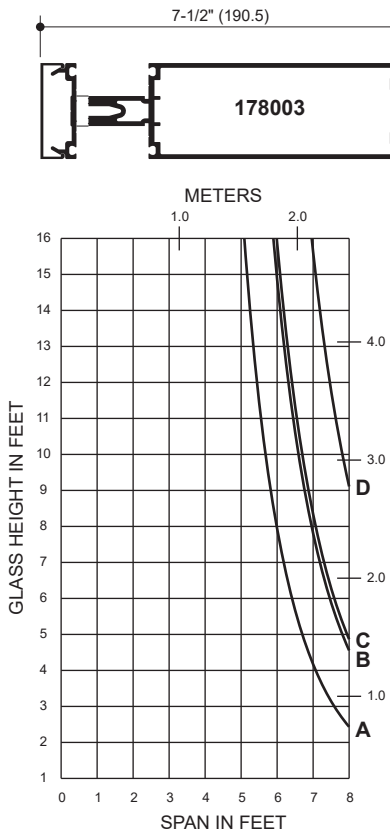
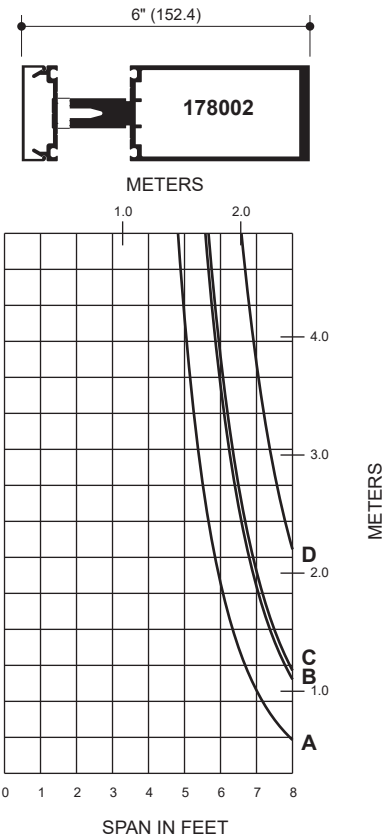
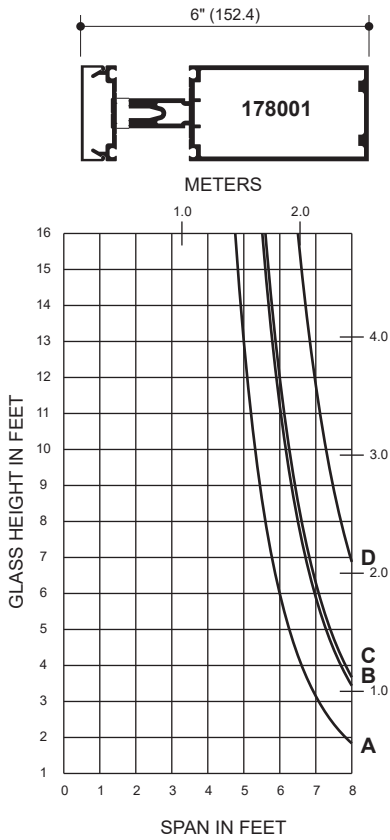
Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

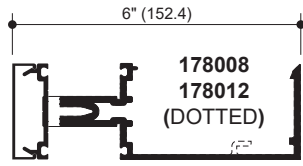
Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

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.

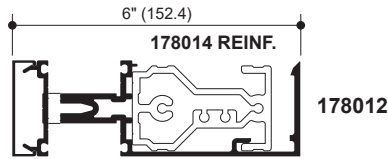
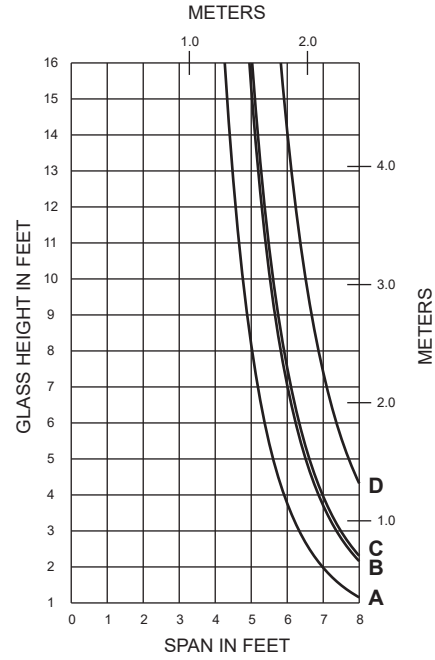
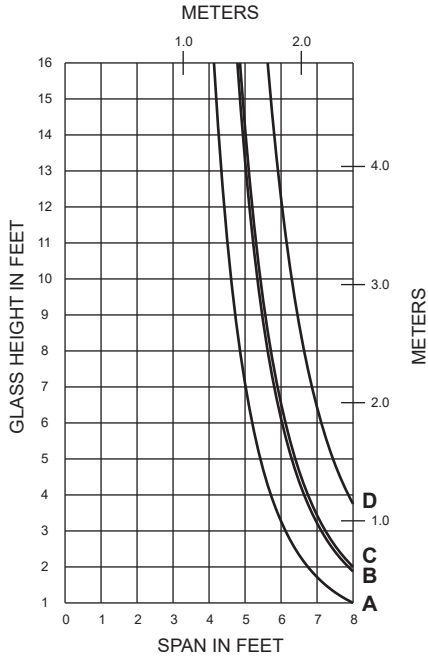
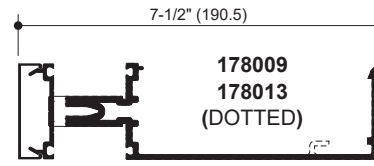
Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

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

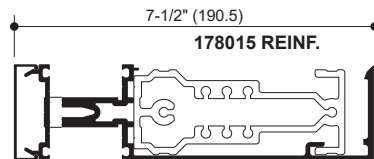




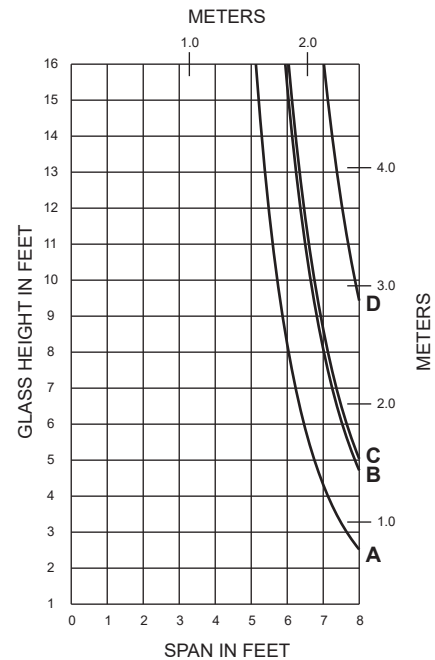
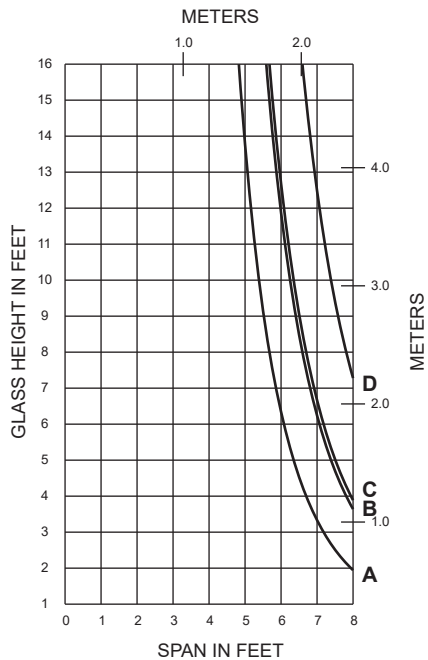
- A - 1" GLASS (1/4 POINT LOADING)
- B - 1" GLASS (1/8 POINT LOADING)
- C - 1/4" GLASS (1/4 POINT LOADING)
- D - 1/4" GLASS (1/8 POINT LOADING)



178012



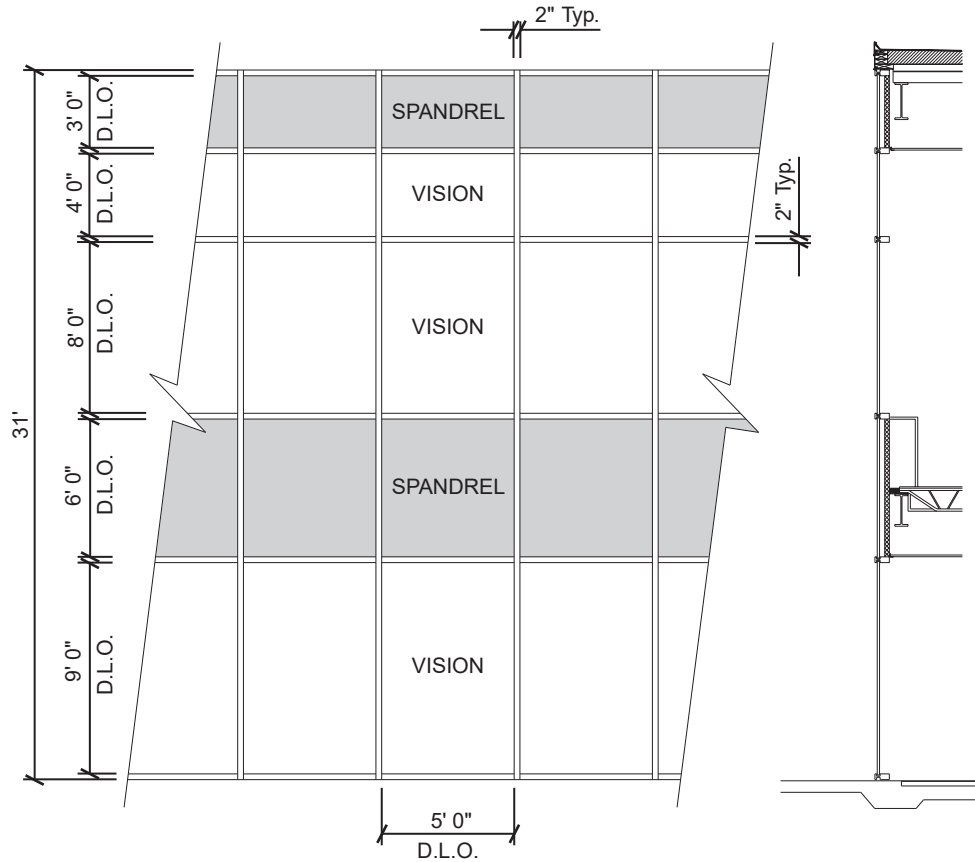
178013



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.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

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



**Vision Area**

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

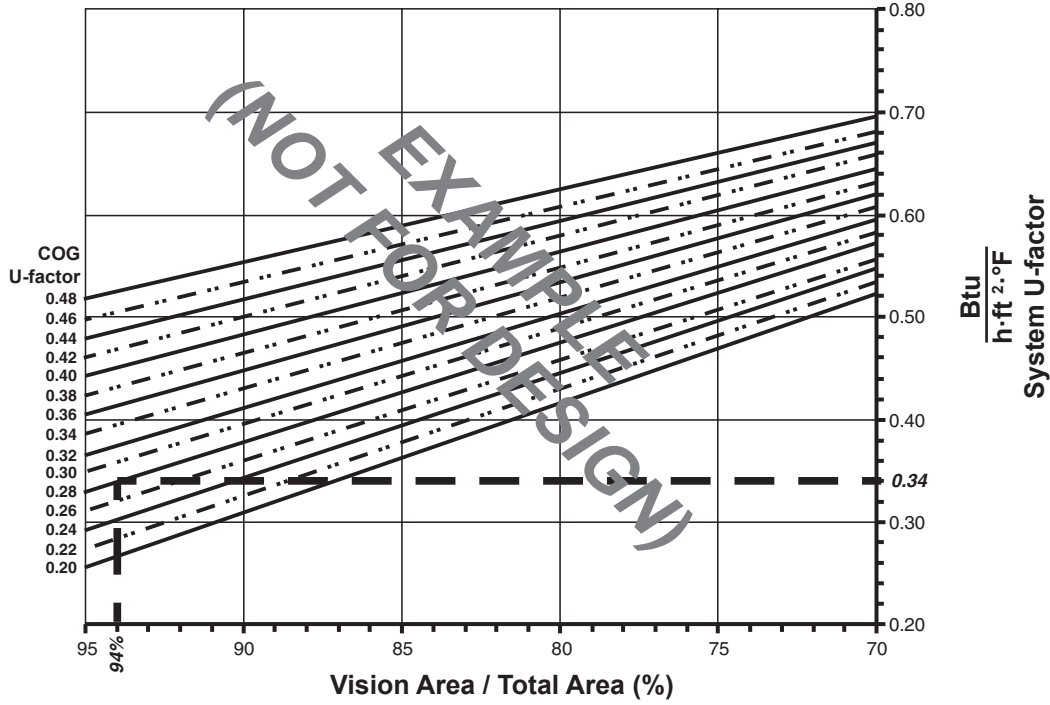
\* Area taken to the centerlines of vertical mullions and centerline of horizontal at spandrels.

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.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
 © 2014, Kawneer Company, Inc.

Vision Area Chart

**System U-factor vs Percent of Vision Area**



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

(NOT FOR EXAMPLE DESIGN)

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.

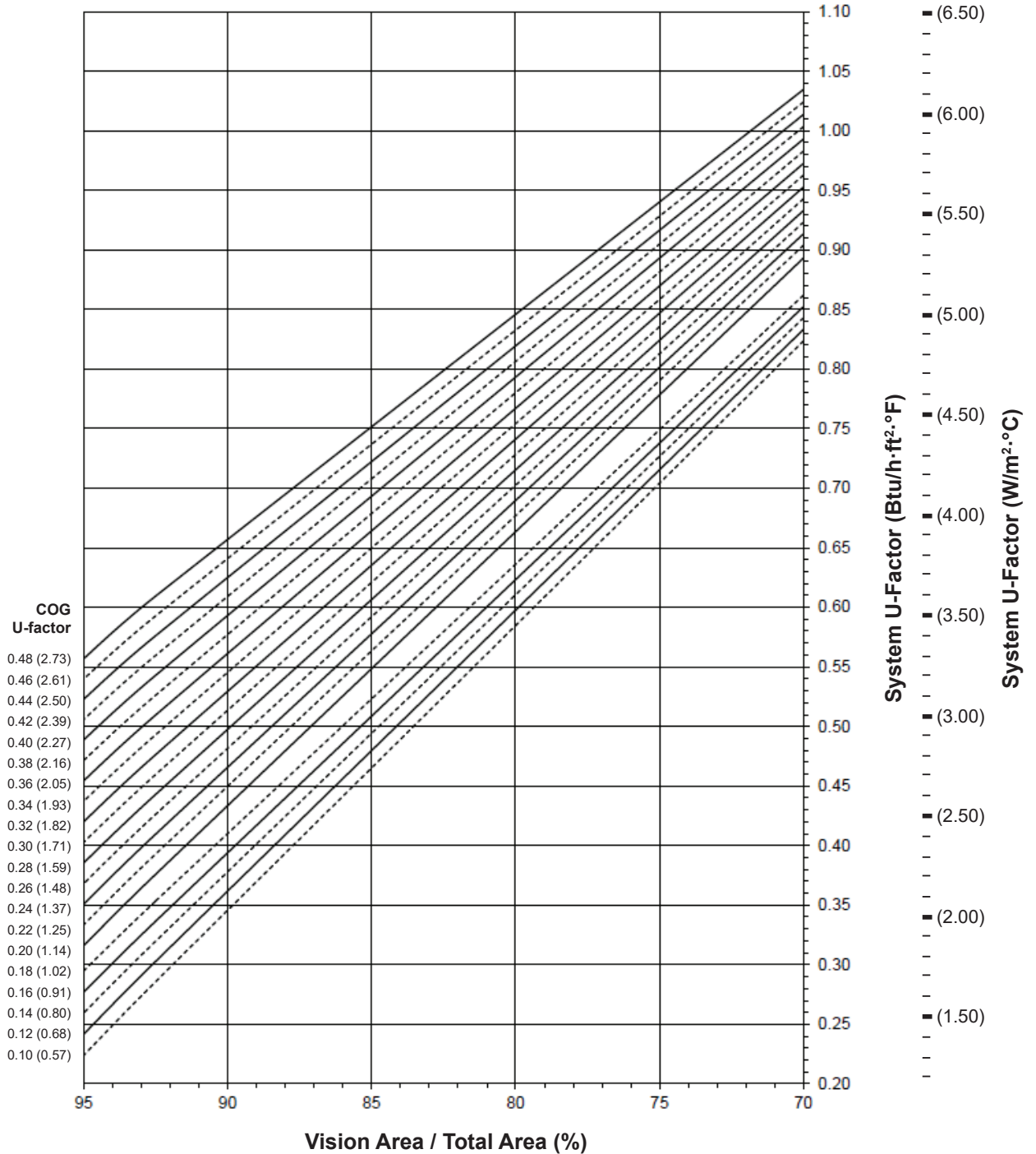
Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.



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

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

**System U-Factor for Vision Glass**

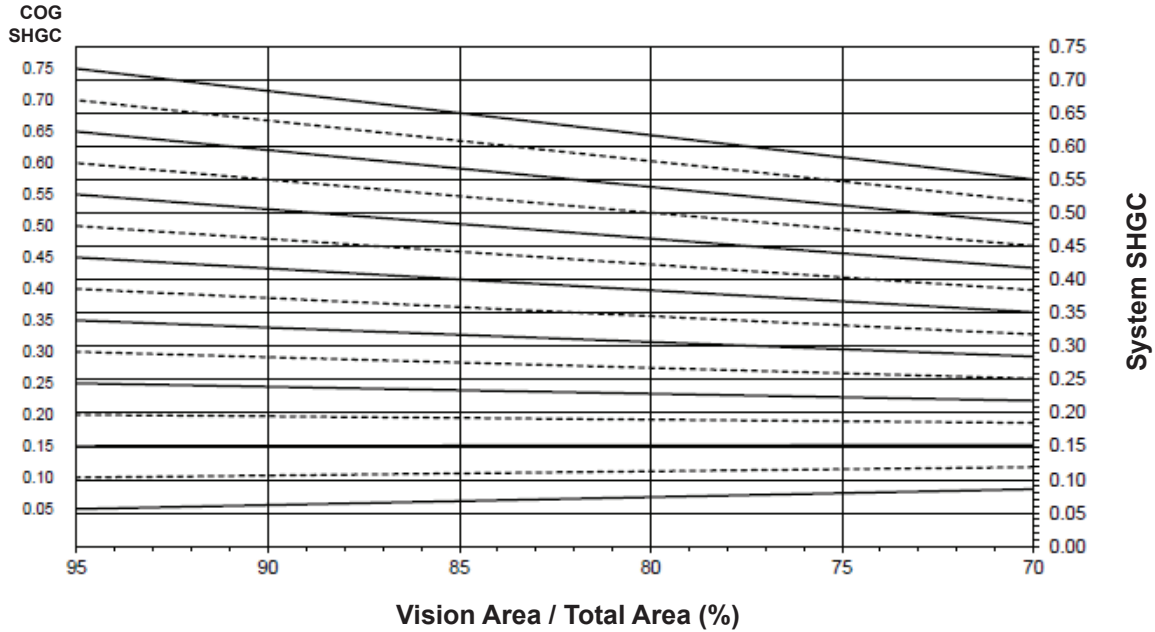


Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
 © 2014, Kawneer Company, Inc.

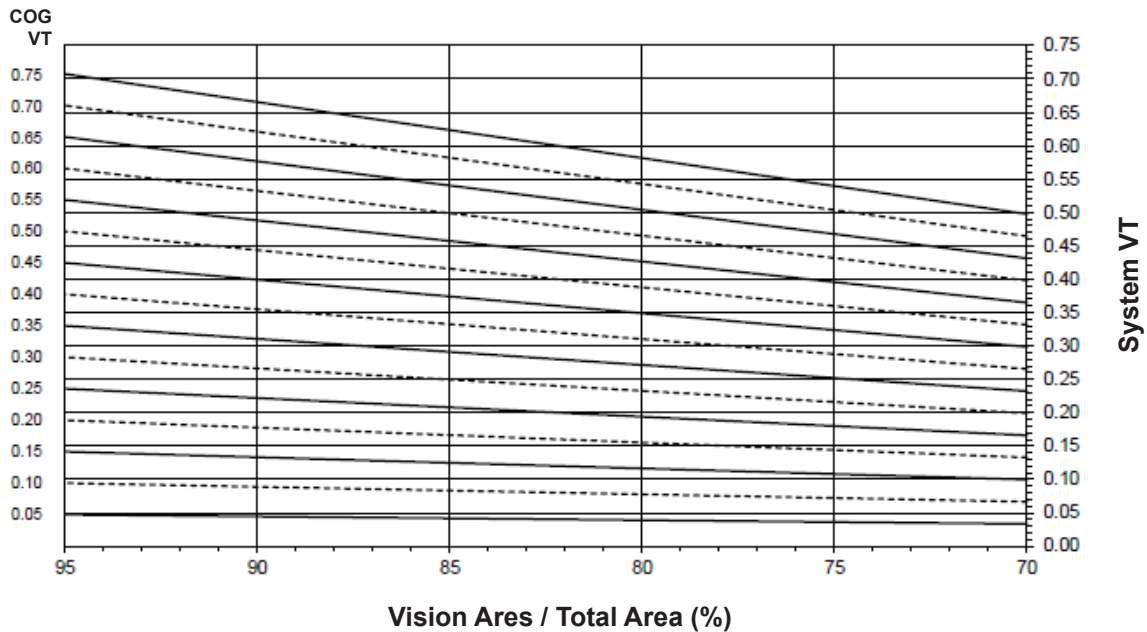
**Aluminum Pressure Plate  
1" Double Glazed - Aluminum Glazing Spacer**

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



Charts are generated per AAMA 507.

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



Charts are generated per AAMA 507.

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.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

**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	0.61
0.46	0.59
0.44	0.58
0.42	0.56
0.40	0.54
0.38	0.53
0.36	0.51
0.34	0.49
0.32	0.48
0.30	0.46
0.28	0.44
0.26	0.43
0.24	0.41
0.22	0.39
0.20	0.38
0.18	0.35
0.16	0.34
0.14	0.32
0.12	0.30
0.10	0.29

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

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

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

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

Glass SHGC <sup>3</sup>	Overall SHGC <sup>4</sup>
0.75	0.70
0.70	0.65
0.65	0.61
0.60	0.56
0.55	0.52
0.50	0.47
0.45	0.43
0.40	0.38
0.35	0.33
0.30	0.29
0.25	0.24
0.20	0.20
0.15	0.15
0.10	0.10
0.05	0.06

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

Glass VT <sup>3</sup>	Overall VT <sup>4</sup>
0.75	0.69
0.70	0.64
0.65	0.59
0.60	0.55
0.55	0.50
0.50	0.46
0.45	0.41
0.40	0.37
0.35	0.32
0.30	0.27
0.25	0.23
0.20	0.18
0.15	0.14
0.10	0.09
0.05	0.05

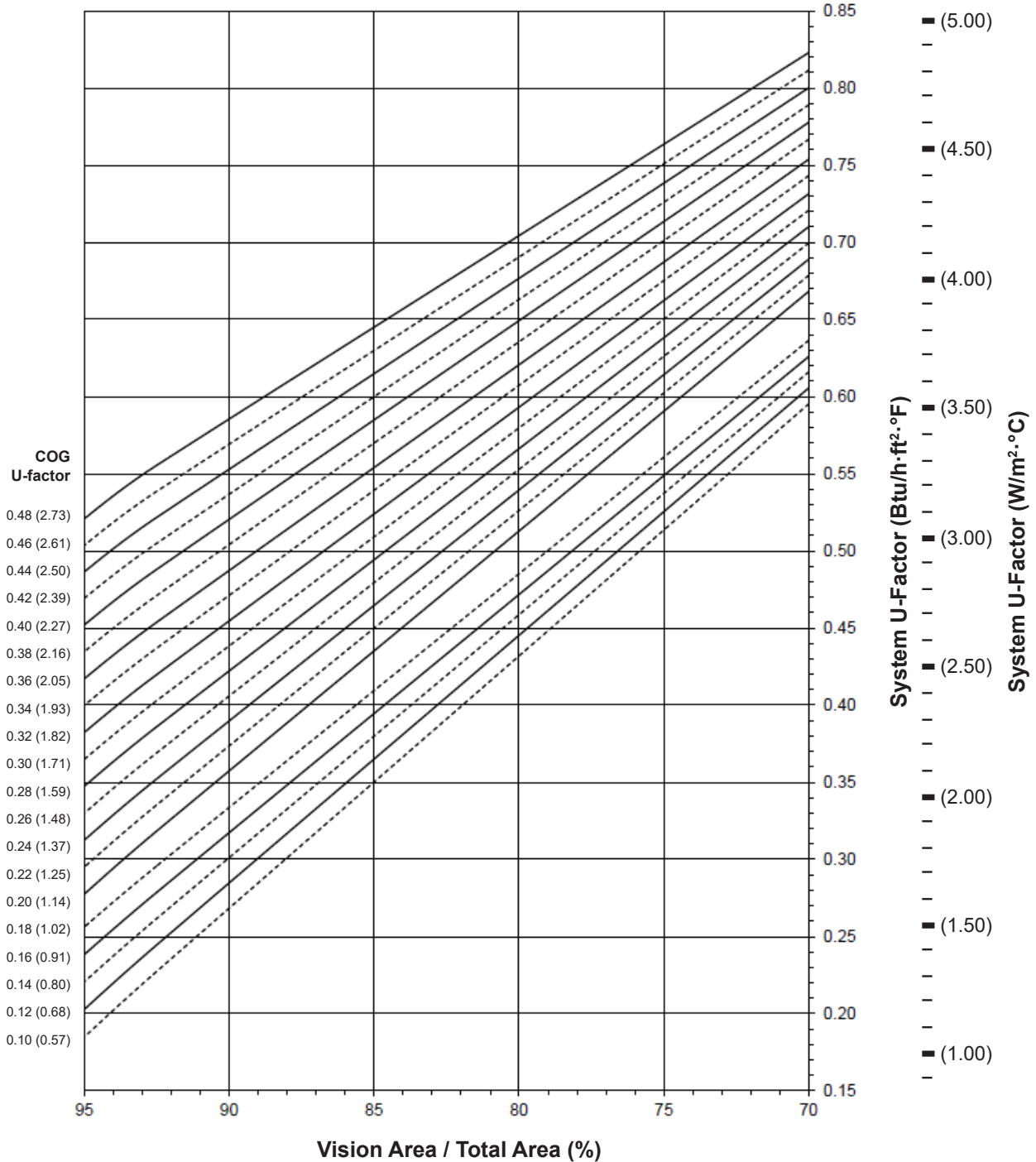
Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

Fiberglass Pressure Plate  
1" Double Glazed - Aluminum Glazing Spacer

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

System U-Factor for Vision Glass



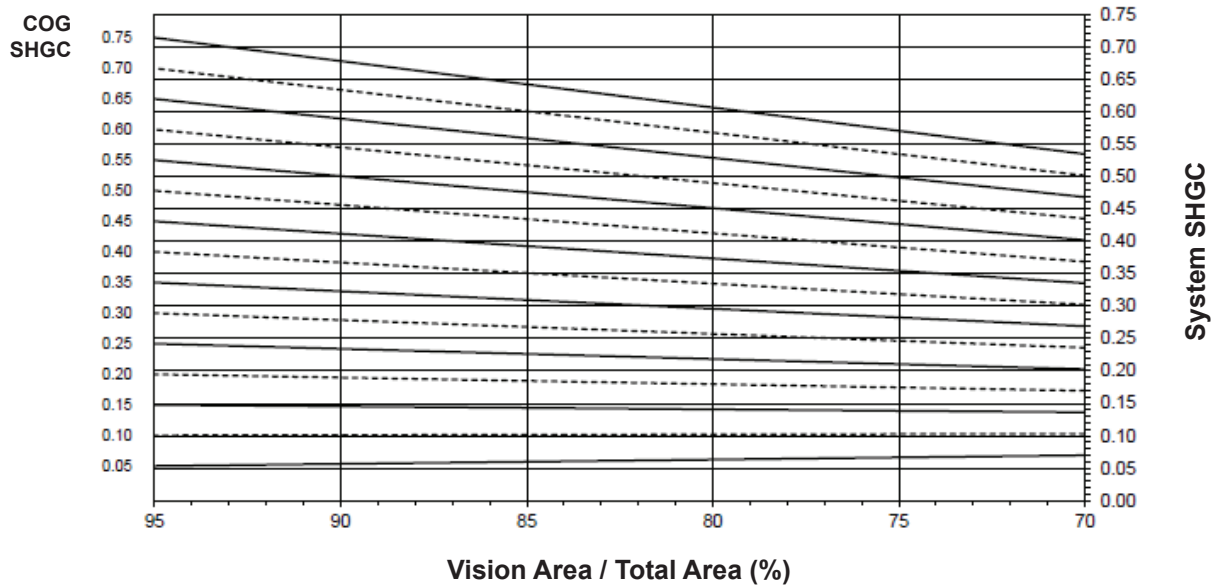
**Notes for System U-factor, SHGC and VT charts:**  
For glass values that are not listed, linear interpolation is permitted.  
Glass properties are based on center of glass values and are obtained from your glass supplier.

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.

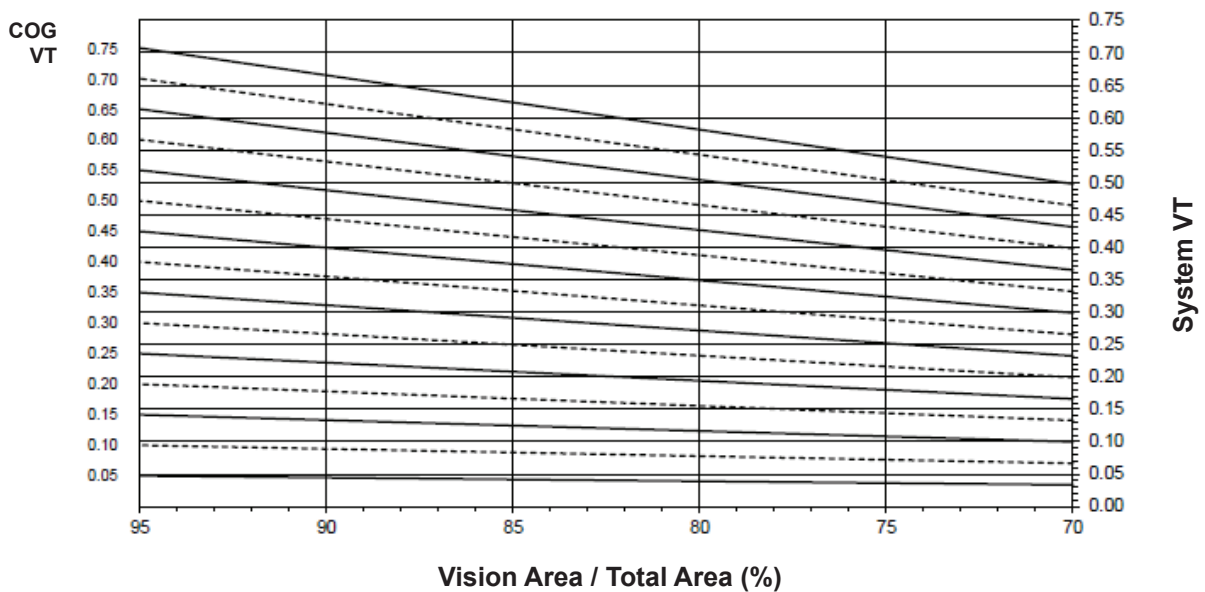
Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

Fiberglass Pressure Plate  
 1" Double Glazed - Aluminum Glazing Spacer

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



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



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.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
 © 2014, Kawneer Company, Inc.

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

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

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

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

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

Glass SHGC <sup>3</sup>	Overall SHGC <sup>4</sup>
0.75	0.70
0.70	0.65
0.65	0.60
0.60	0.56
0.55	0.51
0.50	0.47
0.45	0.42
0.40	0.38
0.35	0.33
0.30	0.28
0.25	0.24
0.20	0.19
0.15	0.15
0.10	0.10
0.05	0.06

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

Glass VT <sup>3</sup>	Overall VT <sup>4</sup>
0.75	0.69
0.70	0.64
0.65	0.59
0.60	0.55
0.55	0.50
0.50	0.46
0.45	0.41
0.40	0.37
0.35	0.32
0.30	0.27
0.25	0.23
0.20	0.18
0.15	0.14
0.10	0.09
0.05	0.05

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.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.

CONDENSATION RESISTANCE

Glazing Infill	Pressure Plate Type	Condensation Resistance Factor (CRF) AAMA 1503		Temperature Index (TI) CSA A440-0	
		Frame	Glass	Frame	Glass
1" Double Captured	Aluminum	75	71	70	63

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.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
 © 2014, Kawneer Company, Inc.

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.

Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.  
© 2014, Kawneer Company, Inc.