

Features

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

Optional Features

- Steel reinforcing
- Rain screen and backpans
- Deep covers
- 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.

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

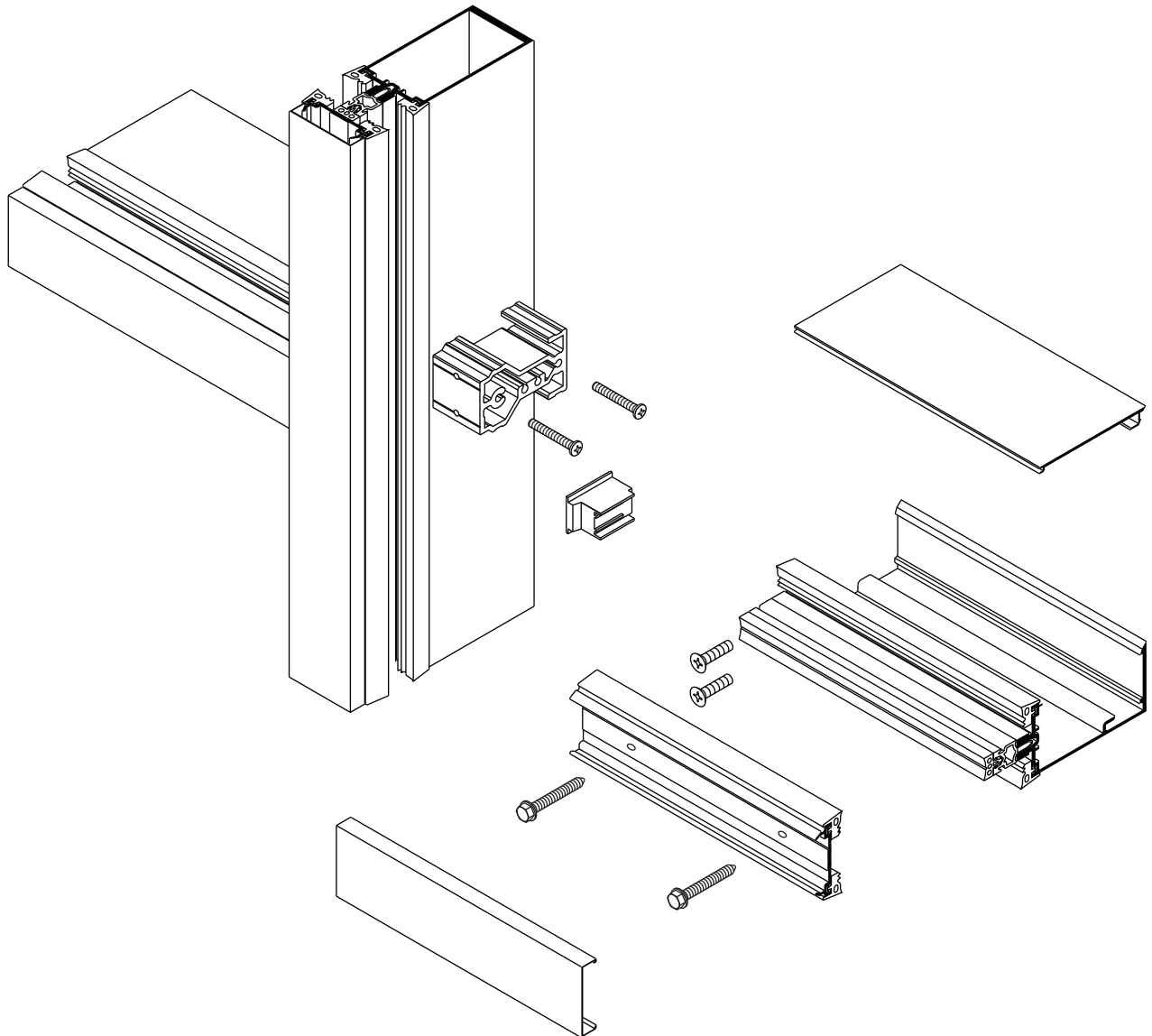
The following metric (SI) units are found in these details:

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

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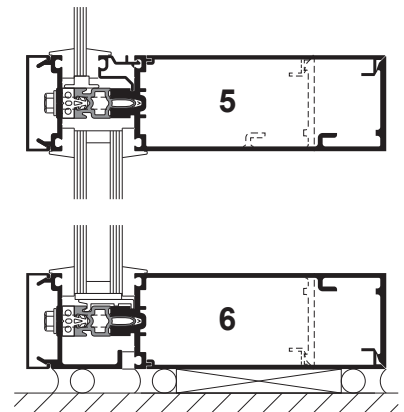
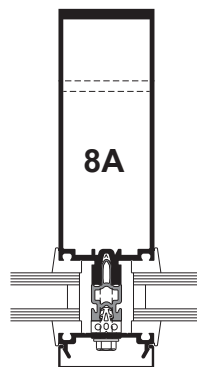
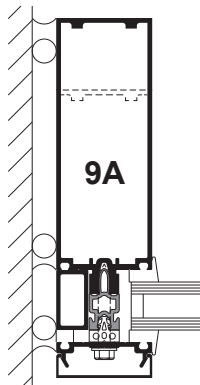
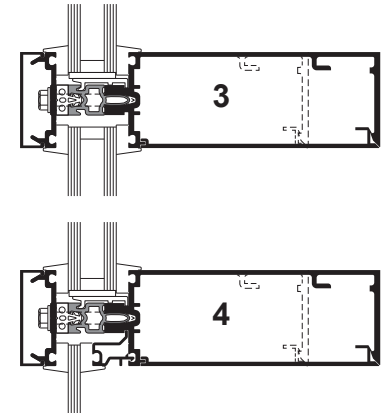
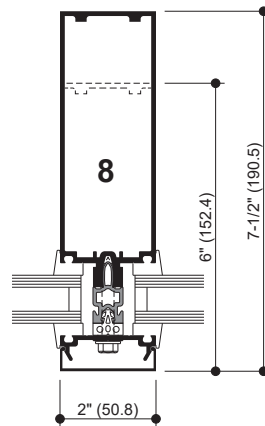
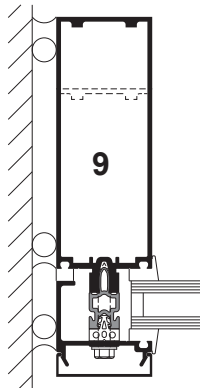
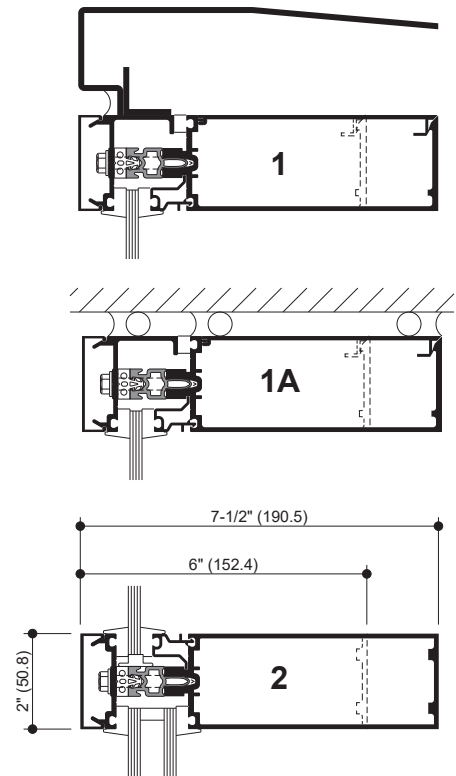
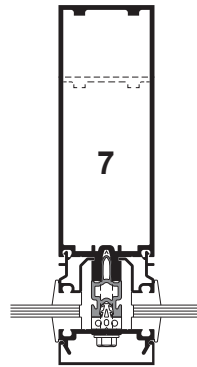
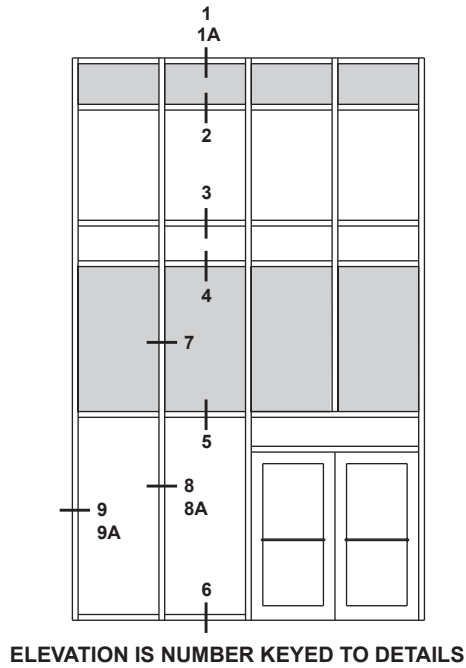
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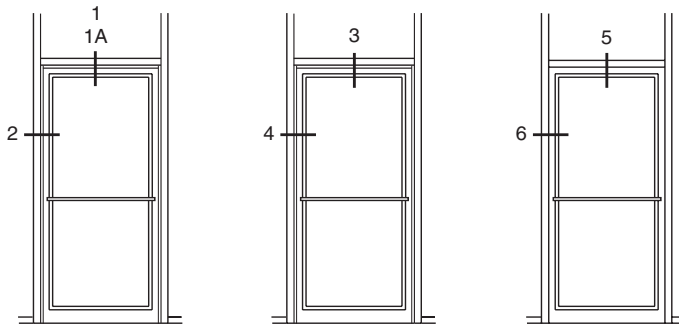
HEAVY VERTICAL
MULLION

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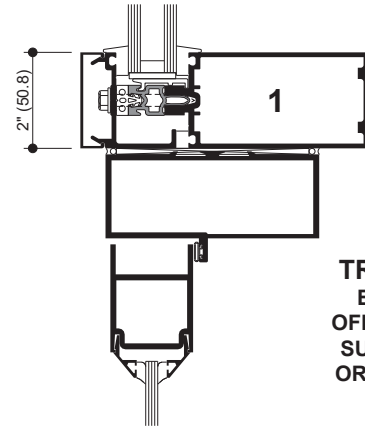


B/H OR O/P

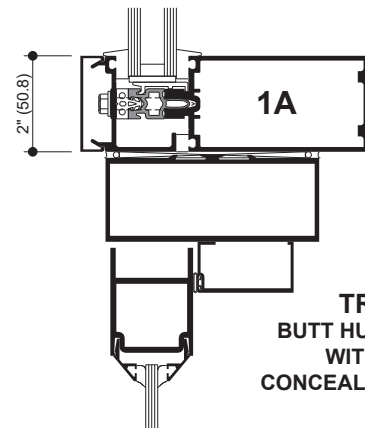
C/H

B/H OR O/P

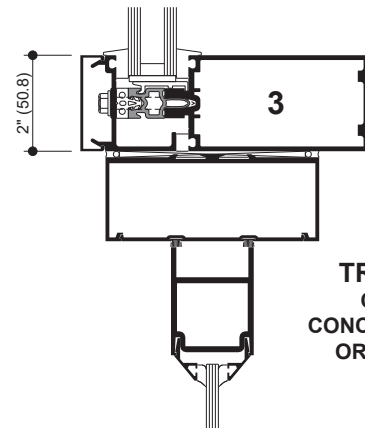
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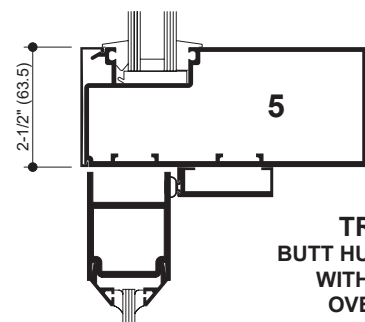
TRANSOM BAR
BUTT HUNG OR
OFFSET PIVOT WITH
SURFACE CLOSER
OR FLOOR CLOSER



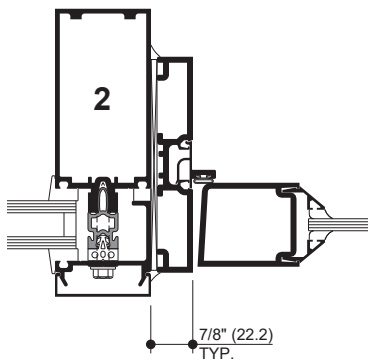
TRANSOM BAR
BUTT HUNG OR OFFSET PIVOT
WITH SINGLE ACTING
CONCEALED OVERHEAD CLOSER



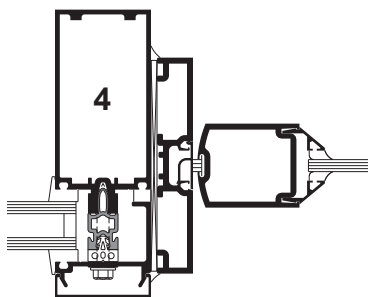
TRANSOM BAR
CENTER HUNG
CONCEALED OVERHEAD
OR FLOOR CLOSER



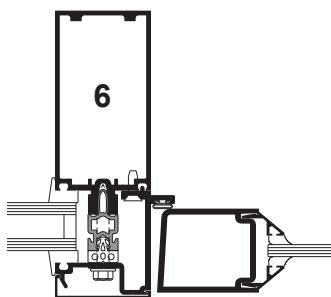
TRANSOM BAR
BUTT HUNG OR OFFSET PIVOT
WITH LCN CONCEALED
OVER HEAD CLOSER
OR SURFACE CLOSER



DOOR JAMB
BUTT HUNG OR
OFFSET PIVOT



DOOR JAMB
CENTER HUNG



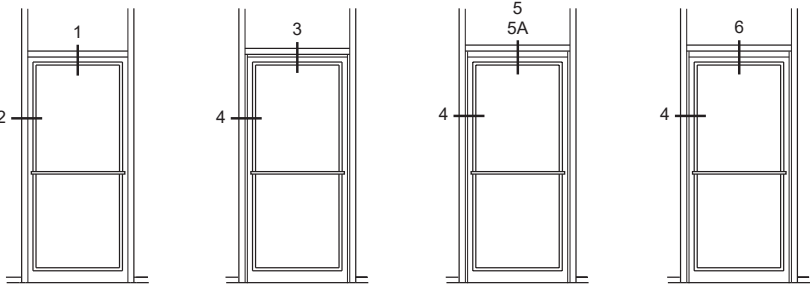
DOOR JAMB
BUTT HUNG OR
OFFSET PIVOT

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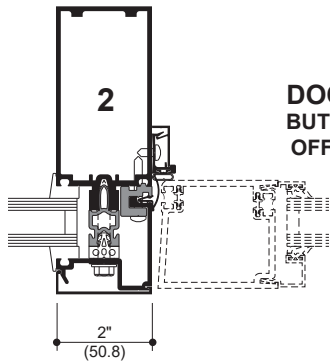
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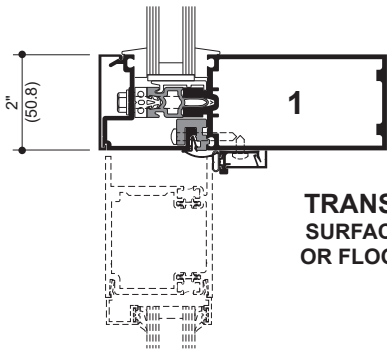


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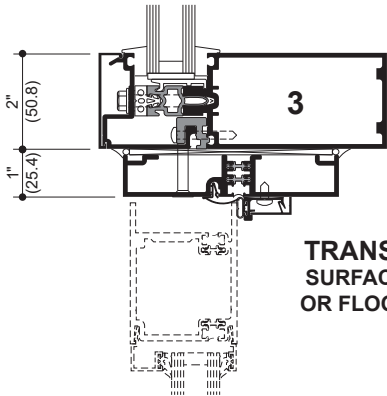
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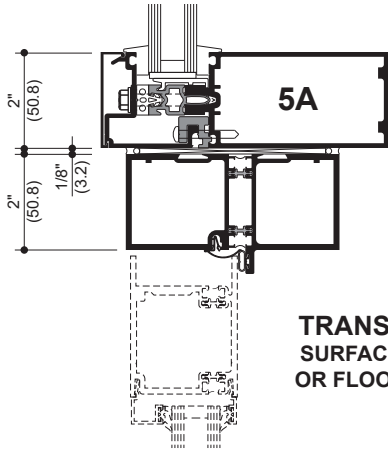
**DOOR JAMB
BUTT HUNG OR
OFFSET PIVOT**



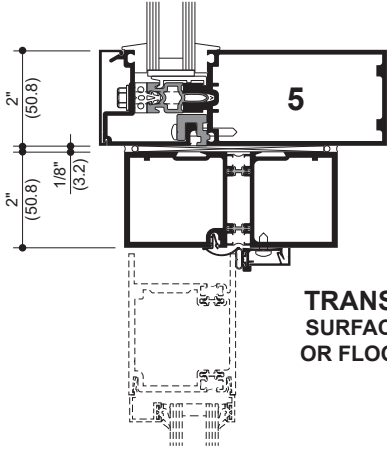
**TRANSM BAR
SURFACE CLOSER
OR FLOOR CLOSER**



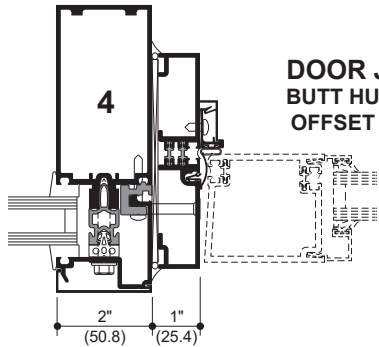
**TRANSM BAR
SURFACE CLOSER
OR FLOOR CLOSER**



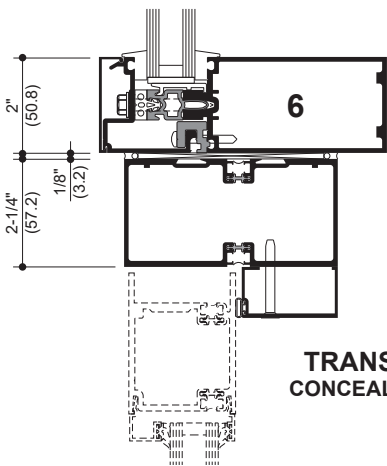
**TRANSM BAR
SURFACE CLOSER
OR FLOOR CLOSER**



**TRANSM BAR
SURFACE CLOSER
OR FLOOR CLOSER**



**DOOR JAMB
BUTT HUNG OR
OFFSET PIVOT**



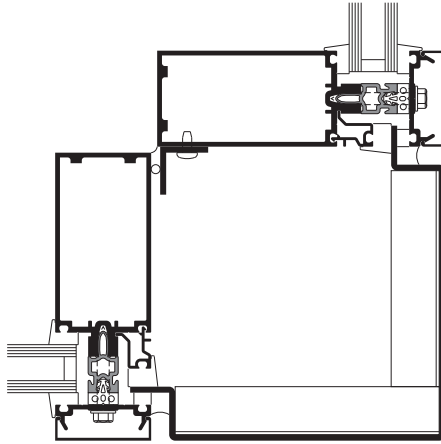
**TRANSM BAR
CONCEALED CLOSER**

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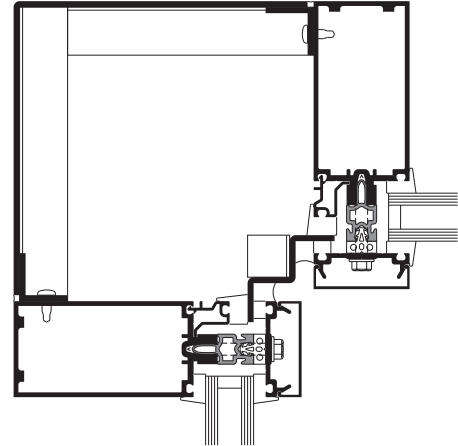
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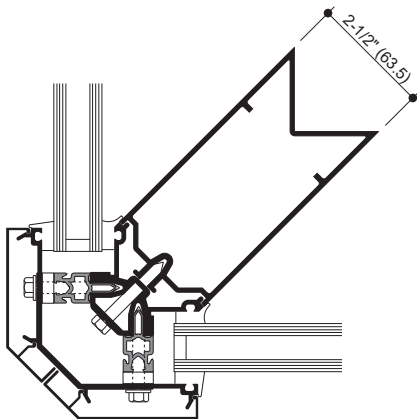
NOTE: 6" SYSTEM SHOWN, 7-1/2" SYSTEM SIMILAR.



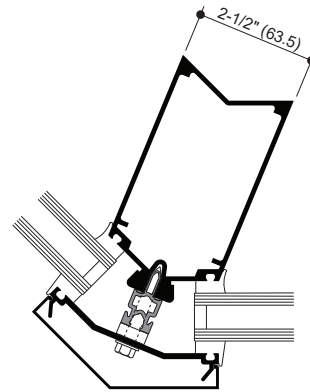
90° OUTSIDE CORNER



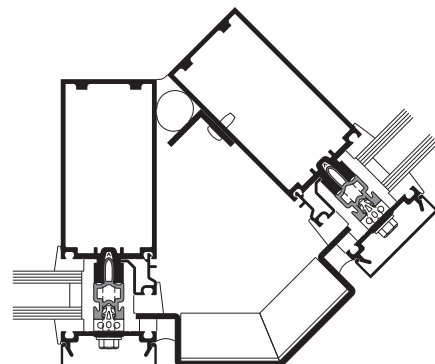
90° INSIDE CORNER



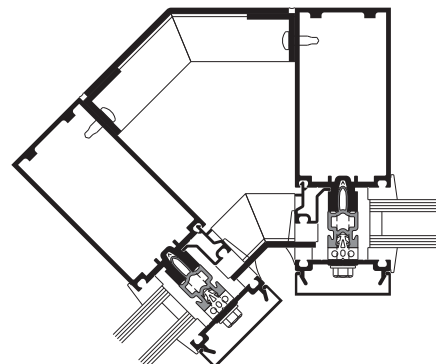
90° OUTSIDE CORNER



135° OUTSIDE CORNER



135° OUTSIDE CORNER



135° INSIDE CORNER

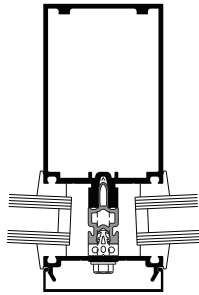
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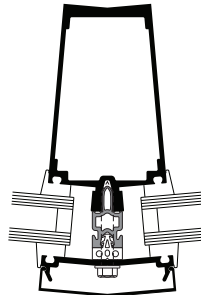
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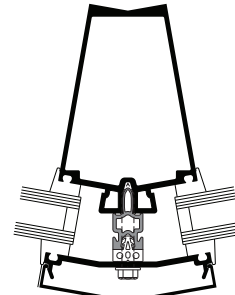
NOTE: 6" SYSTEM SHOWN, 7-1/2" SYSTEM SIMILAR.



0° TO 5°

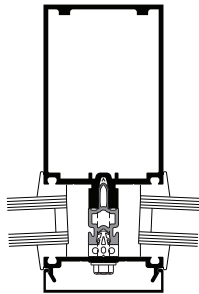


5° TO 15°

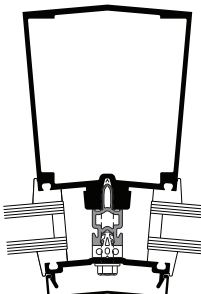


15° TO 25°

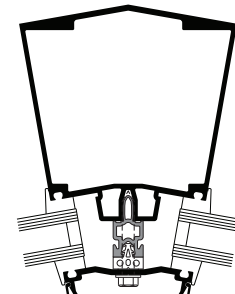
OUTSIDE SPLAYED MULLIONS



0° TO 5°



5° TO 15°



15° TO 25°

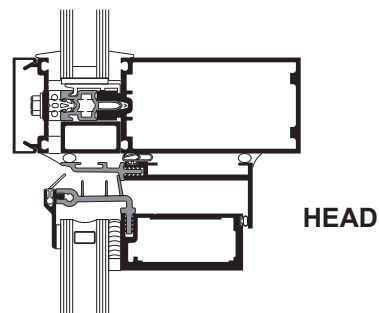
INSIDE SPLAYED MULLIONS

OTHER SPLAY OPTIONS AVAILABLE

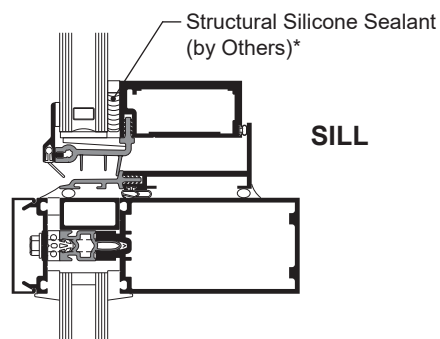
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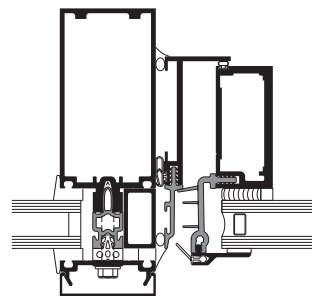


HEAD



SILL

GLASSvent® UT WINDOWS FOR CURTAIN WALL

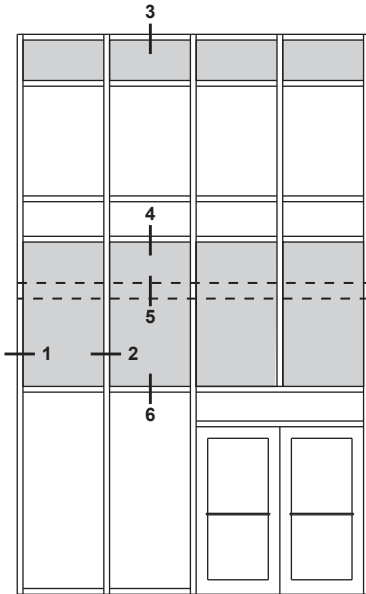


JAMB

NOTE: Project-out GLASSvent® UT window shown

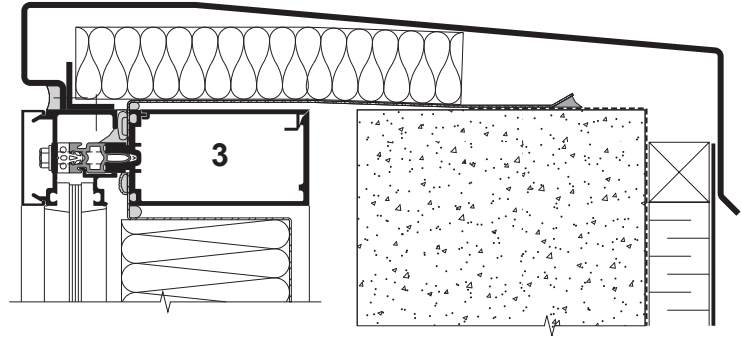
* **INSTALLER NOTE:** Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

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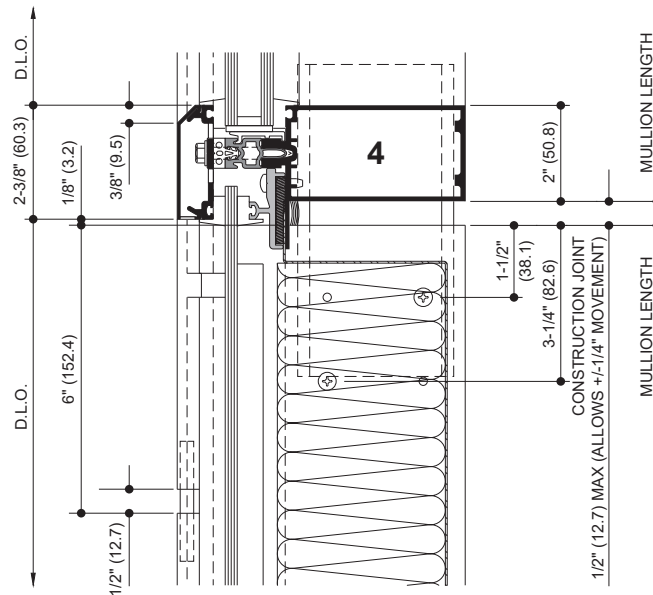


ELEVATION IS NUMBER KEYED TO DETAILS

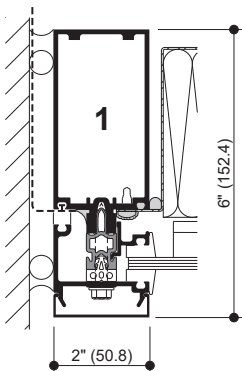
NOTE: 6" SYSTEM SHOWN,
7-1/2" SYSTEM SIMILAR



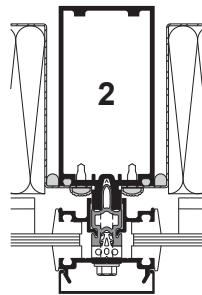
HEAD TRANSOM AT PARAPET FLASHING



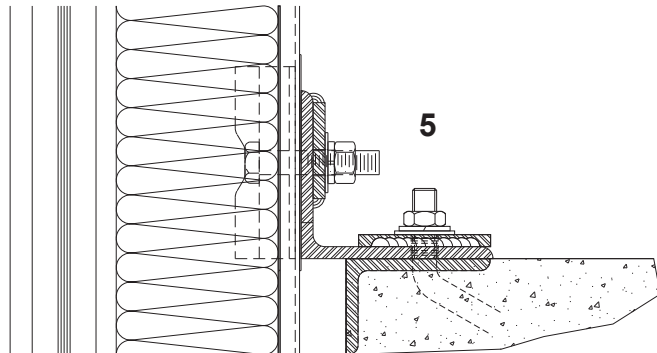
EXPANSION JOINT



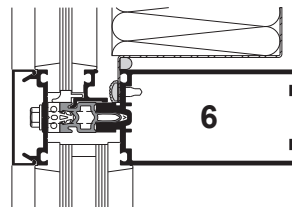
JAMB MULLION
AT SPANDREL
(With vapor barrier tie-in)



MULLION AT SPANDREL



TYPICAL DEADLOAD ANCHOR



TRANSOM - SPANDREL OVER VISION

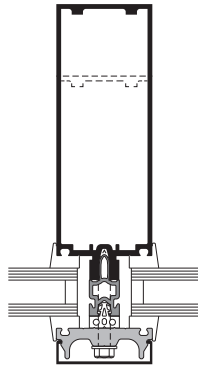
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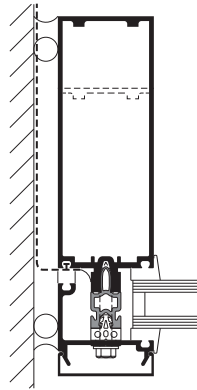
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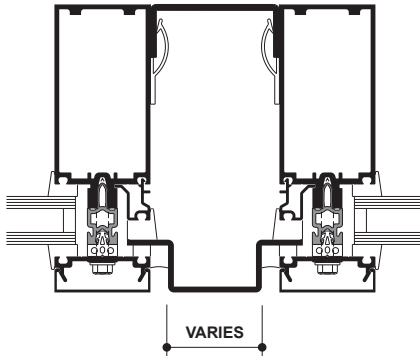
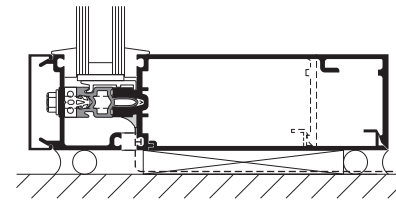
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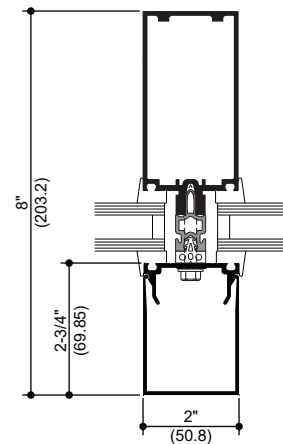
**WITH FIBERGLASS
PRESSURE PLATE**



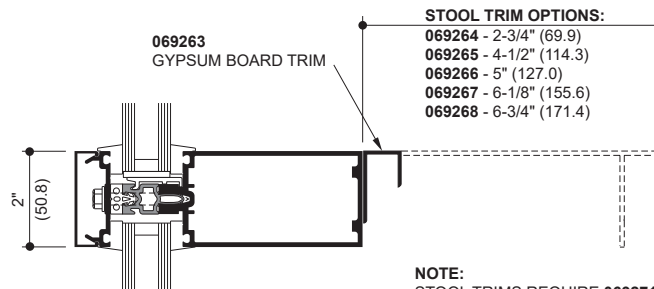
WITH VAPOR BARRIER TIE-IN



DOUBLE MULLION



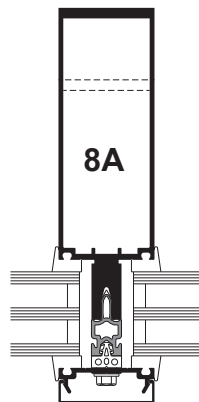
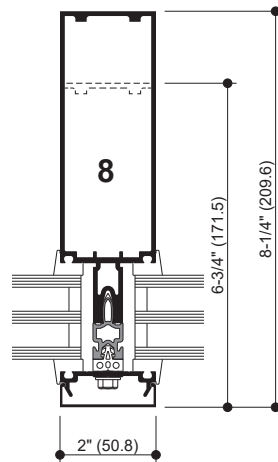
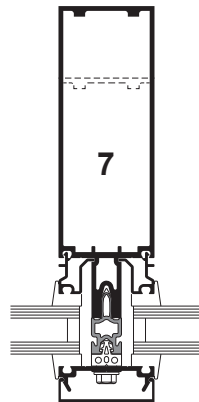
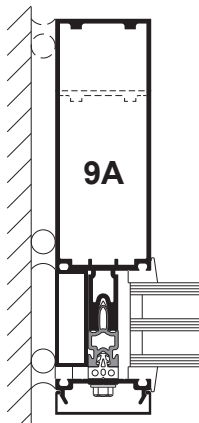
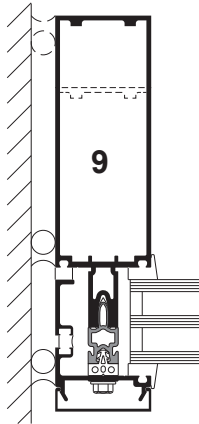
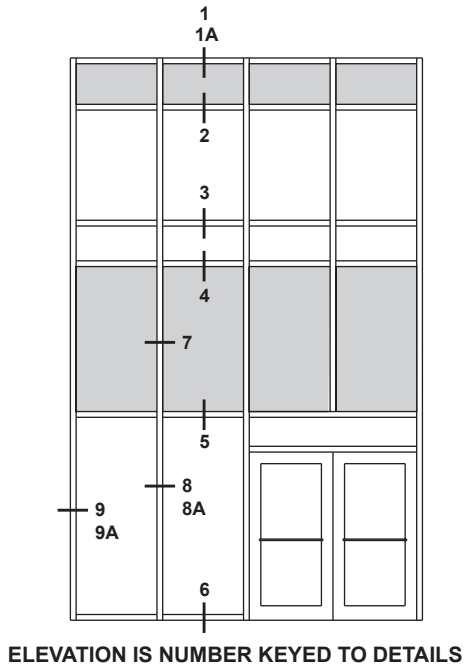
**OPTIONAL MULLION
OPTIONAL COVER**



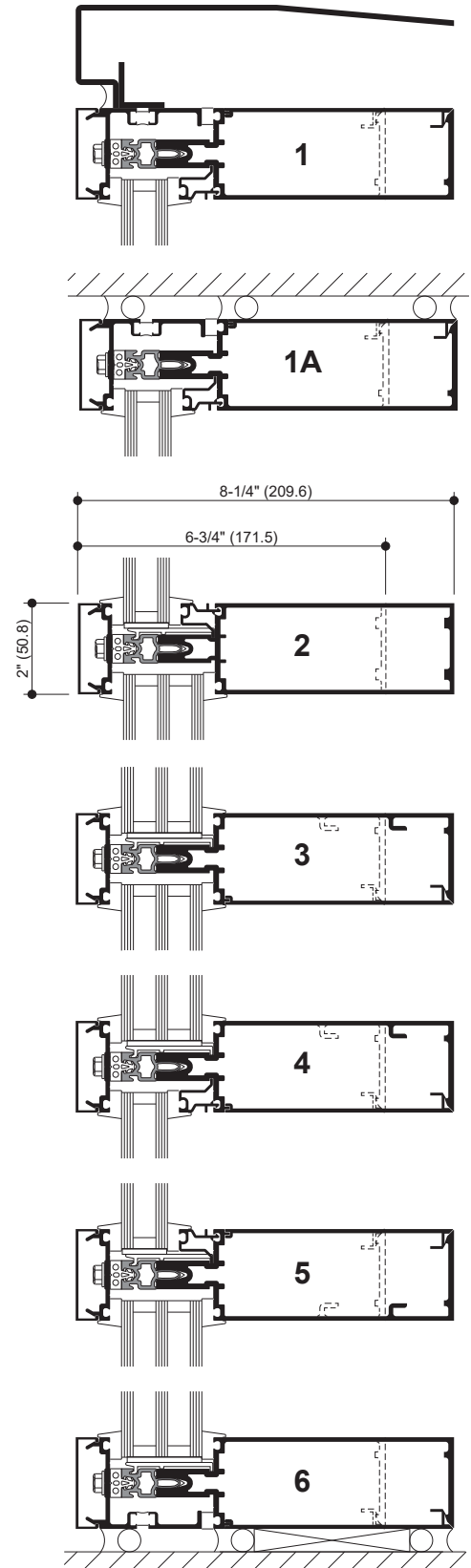
NOTE:
STOOL TRIMS REQUIRE 069271 TRIM CLIP PACKAGE

INTERIOR STOOL TRIM

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



HEAVY VERTICAL
MULLION

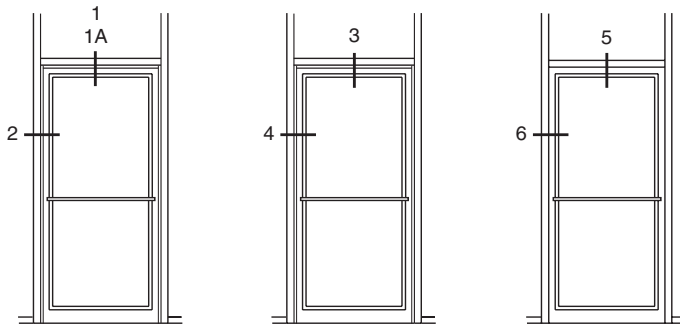


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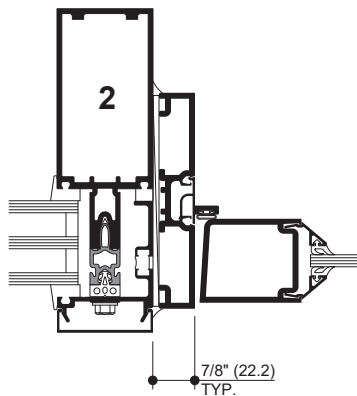


B/H OR O/P

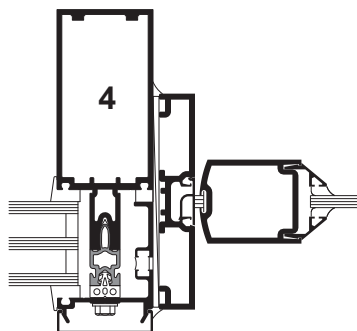
C/H

B/H OR O/P

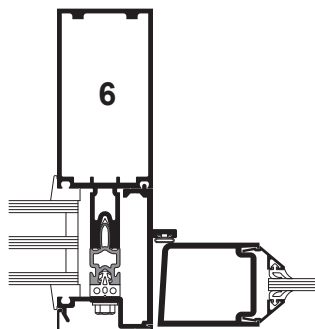
ELEVATION IS NUMBER KEYED TO DETAILS



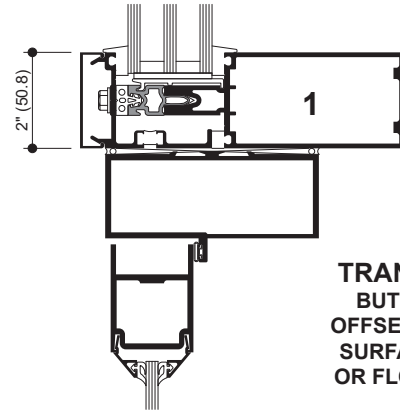
DOOR JAMB
BUTT HUNG OR
OFFSET PIVOT



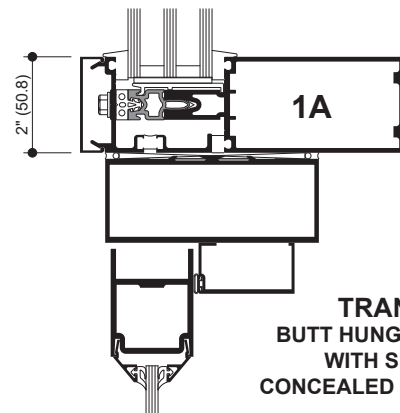
DOOR JAMB
CENTER HUNG



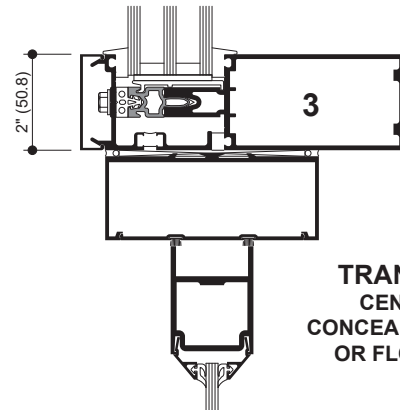
DOOR JAMB
BUTT HUNG OR
OFFSET PIVOT



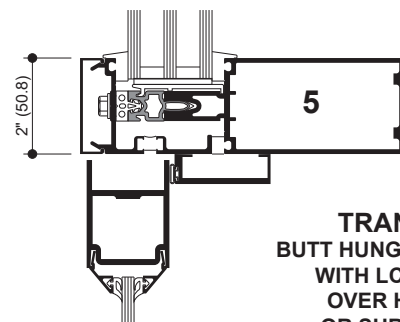
TRANSOM BAR
BUTT HUNG OR
OFFSET PIVOT WITH
SURFACE CLOSER
OR FLOOR CLOSER



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



TRANSOM BAR
CENTER HUNG
CONCEALED OVERHEAD
OR FLOOR CLOSER



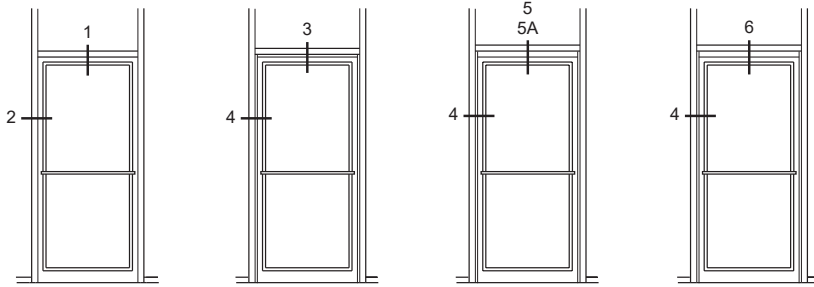
TRANSOM BAR
BUTT HUNG OR OFFSET PIVOT
WITH LCN CONCEALED
OVER HEAD CLOSER
OR SURFACE CLOSER

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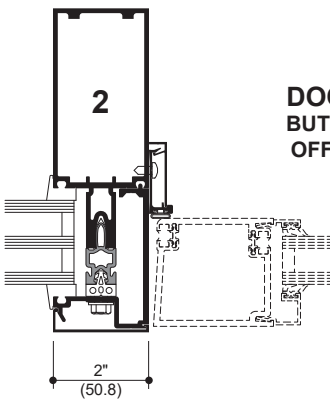
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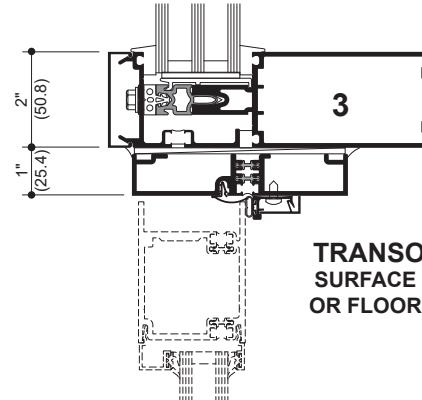


B/H OR O/P

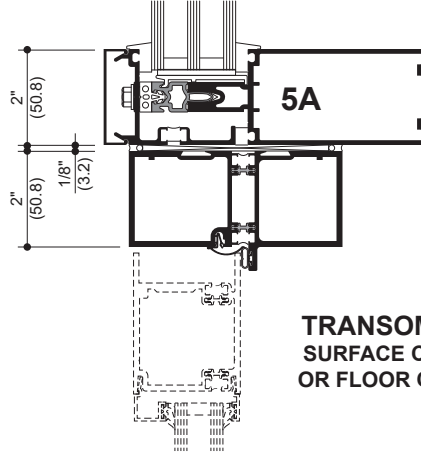
ELEVATION IS NUMBER KEYED TO DETAILS



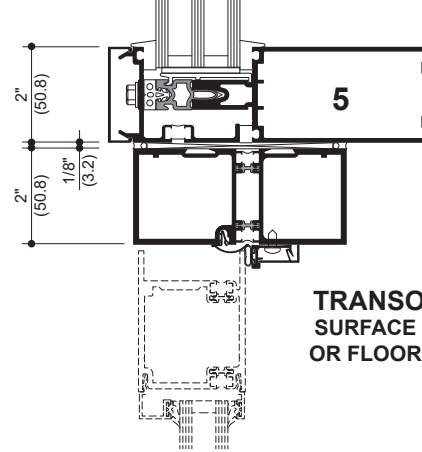
**DOOR JAMB
BUTT HUNG OR
OFFSET PIVOT**



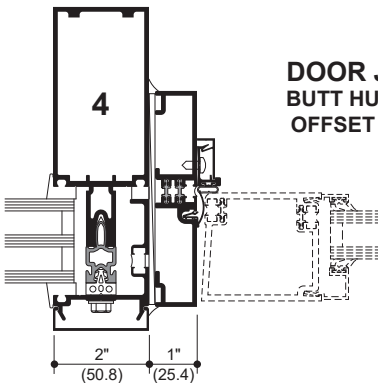
**TRANSOM BAR
SURFACE CLOSER
OR FLOOR CLOSER**



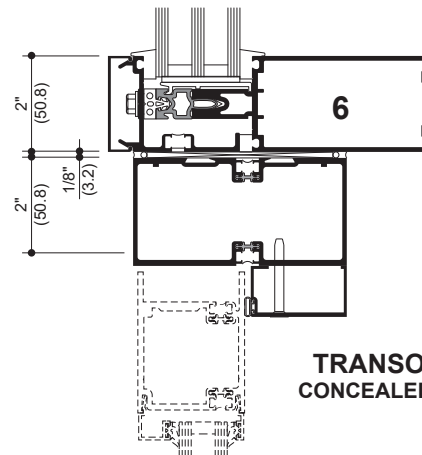
**TRANSOM BAR
SURFACE CLOSER
OR FLOOR CLOSER**



**TRANSOM BAR
SURFACE CLOSER
OR FLOOR CLOSER**



**DOOR JAMB
BUTT HUNG OR
OFFSET PIVOT**



**TRANSOM BAR
CONCEALED CLOSER**

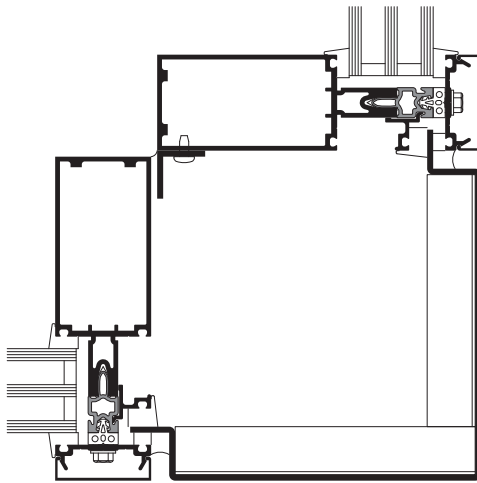
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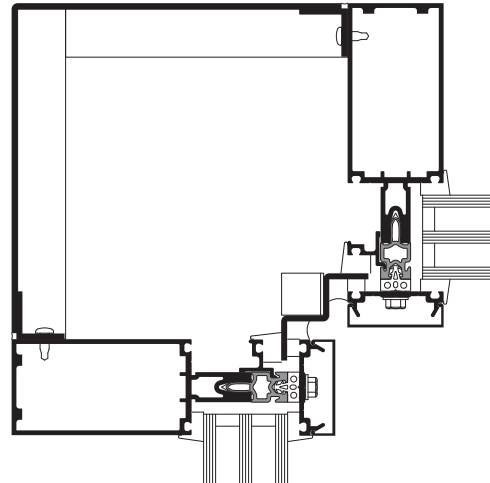
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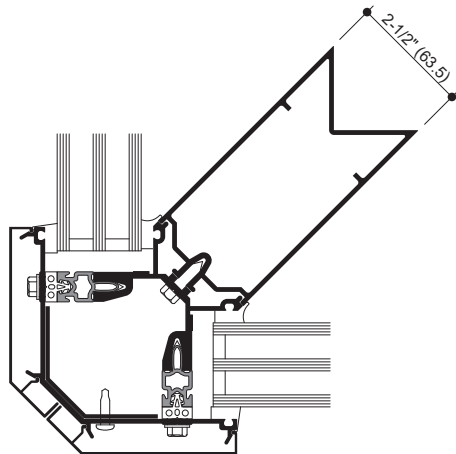
NOTE: 6-3/4" SYSTEM SHOWN, 8-1/4" SYSTEM SIMILAR.



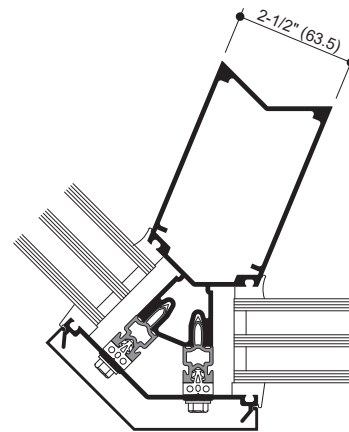
90° OUTSIDE CORNER



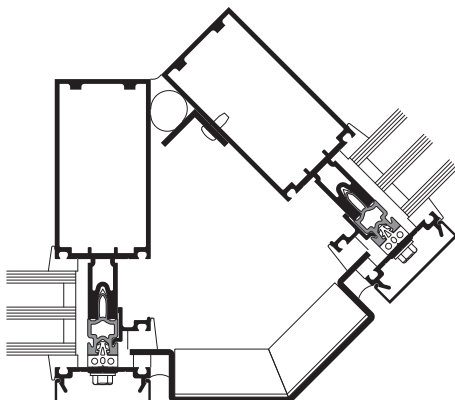
90° INSIDE CORNER



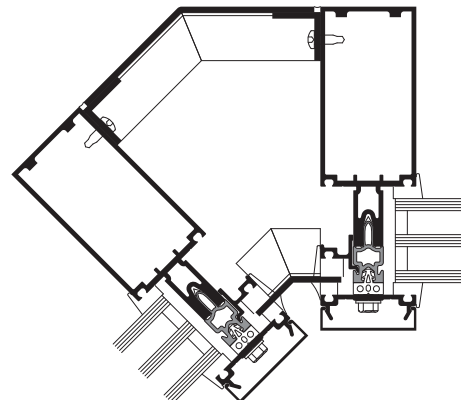
90° OUTSIDE CORNER



135° OUTSIDE CORNER



135° OUTSIDE CORNER



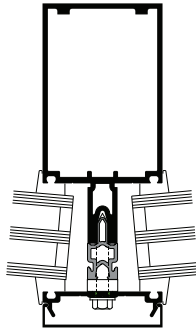
135° INSIDE CORNER

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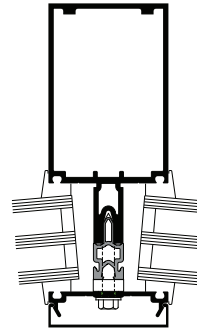
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0° TO 5°

OUTSIDE SPLAYED MULLIONS



0° TO 5°

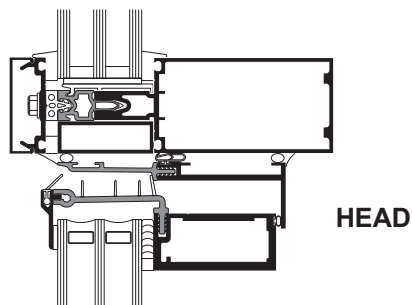
INSIDE SPLAYED MULLIONS

OTHER SPLAY OPTIONS AVAILABLE

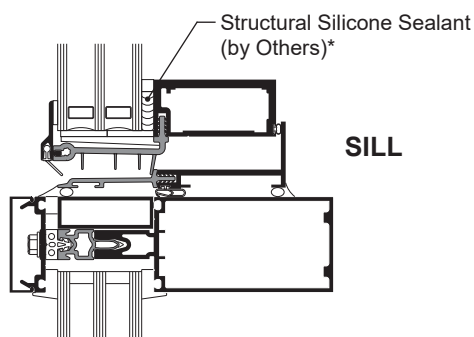
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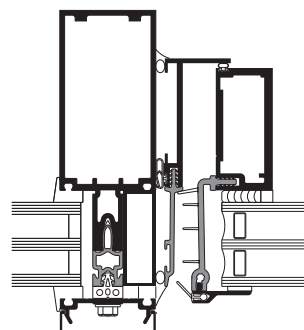


HEAD



SILL

GLASSvent® UT WINDOWS FOR CURTAIN WALL

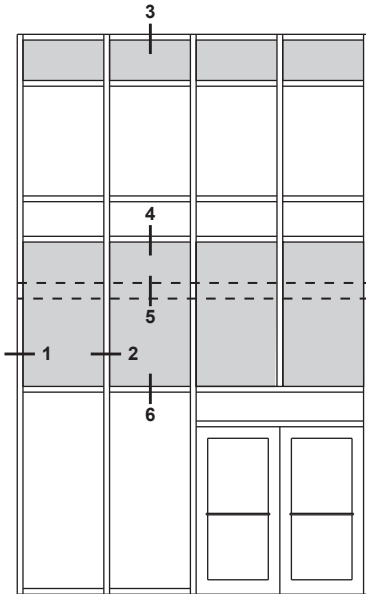


JAMB

NOTE: Project-out GLASSvent® UT window shown

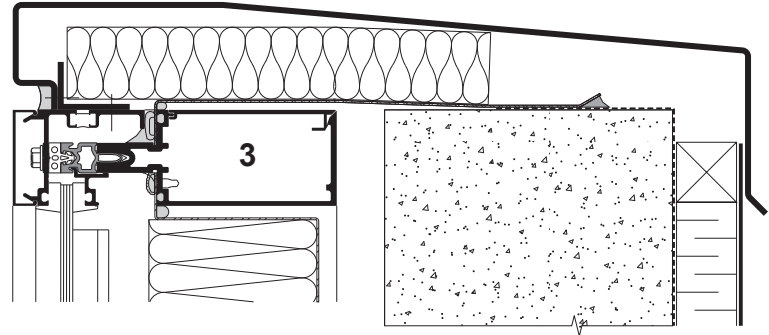
* **INSTALLER NOTE:** Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

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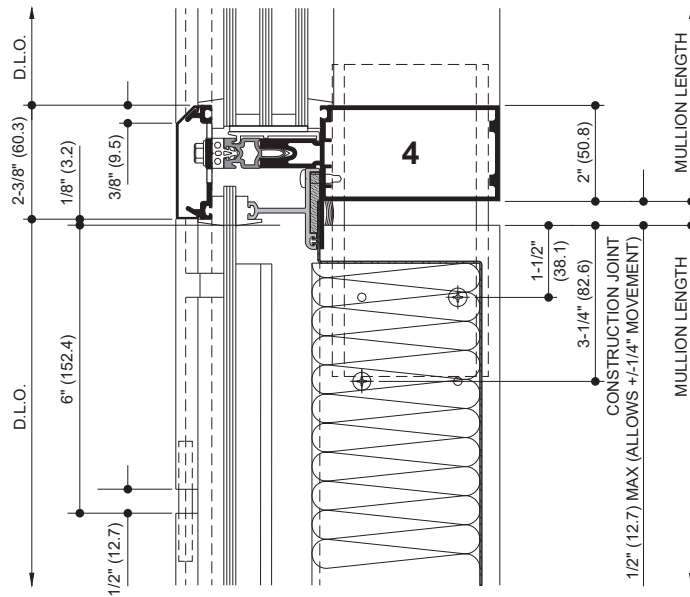


ELEVATION IS NUMBER KEYED TO DETAILS

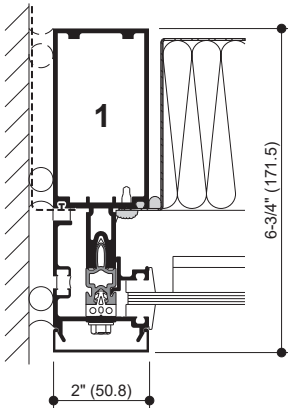
NOTE: 6-3/4" SYSTEM SHOWN,
8-1/4" SYSTEM SIMILAR



HEAD TRANSOM AT PARAPET FLASHING

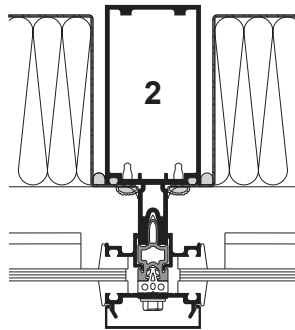


EXPANSION JOINT

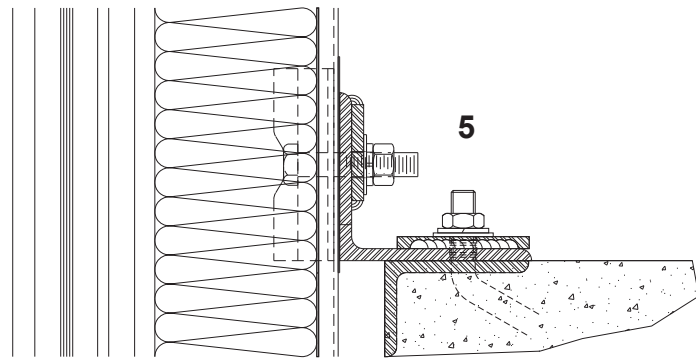


JAMB MULLION
AT SPANDREL

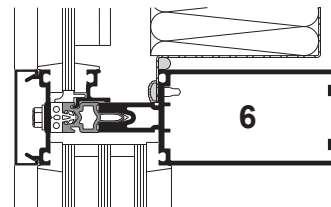
(With vapor barrier tie-in)



MULLION AT SPANDREL



TYPICAL DEADLOAD ANCHOR



TRANSOM -
SPANDREL OVER VISION

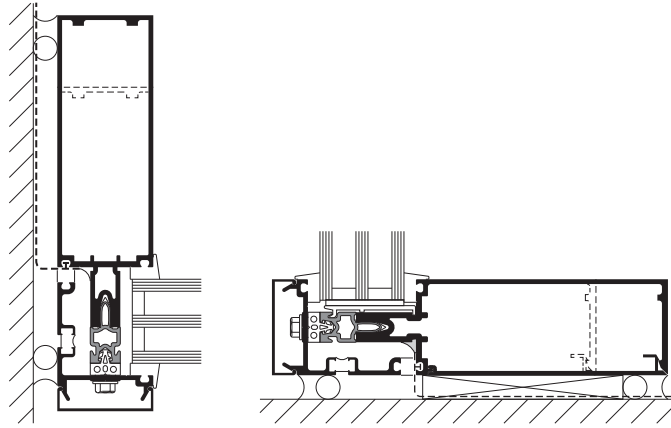
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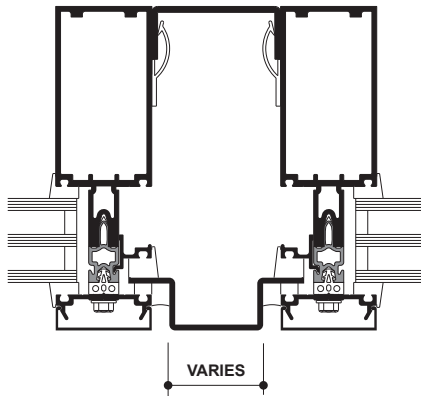
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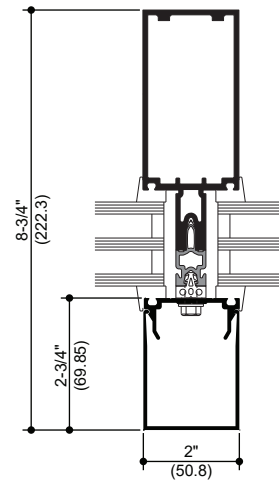
Architects – Most extrusion and window types illustrated in this catalog are standard products for Kawneer. These concepts have been expanded and modified to afford you design freedom. Some miscellaneous details are non-standard and are intended to demonstrate how the system can be modified to expand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



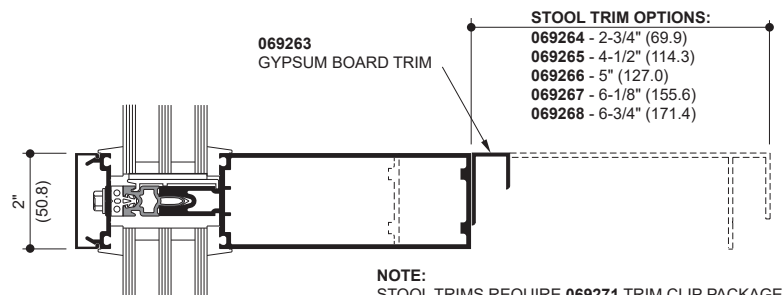
WITH VAPOR BARRIER TIE-IN



DOUBLE MULLION



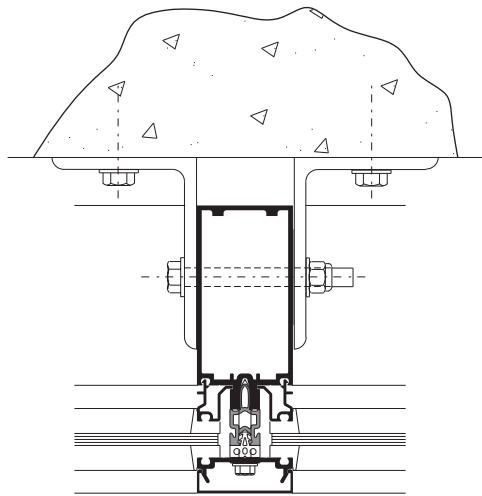
OPTIONAL MULLION
OPTIONAL COVER



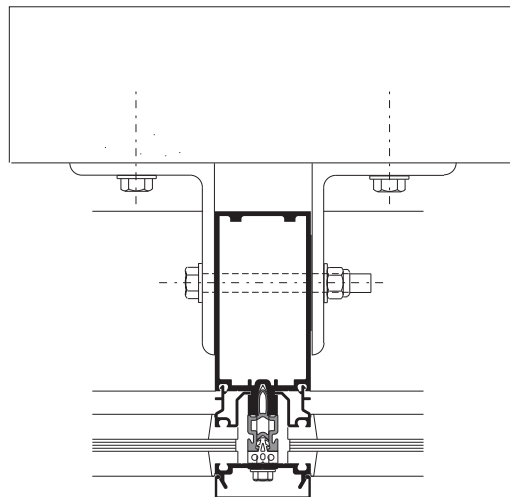
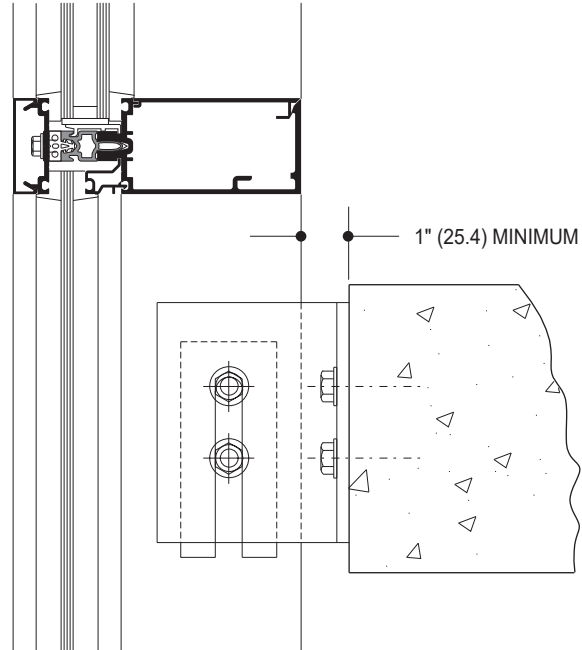
INTERIOR STOOL TRIM

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

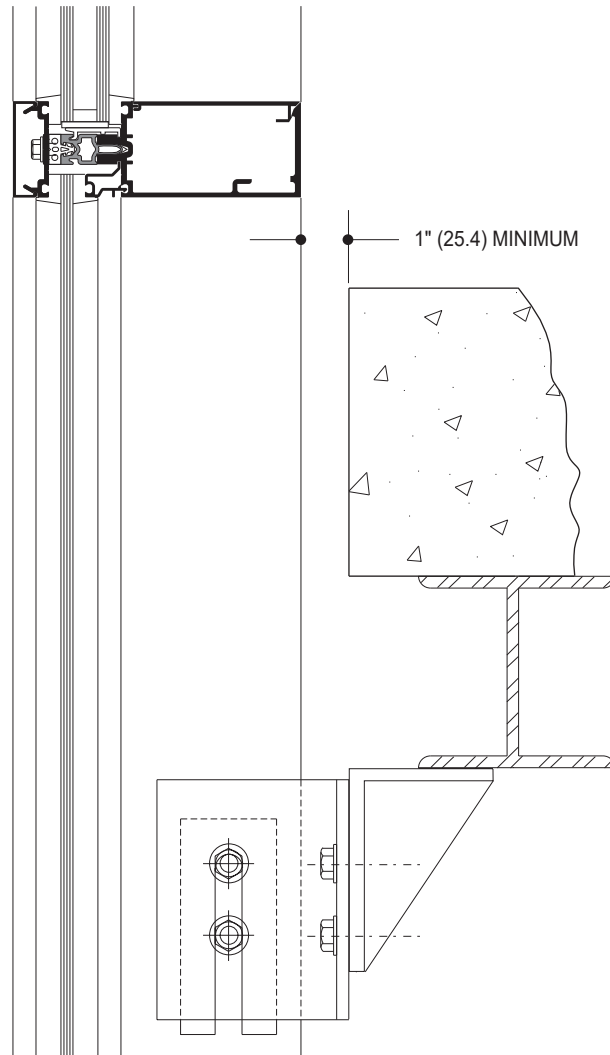
Note: 6" system shown, 7-1/2", 6-3/4" and 8-1/4" systems similar. Covers all glazing infills.



ANCHORING TO FLOOR SLAB



ANCHORING TO SUPPORT STEEL

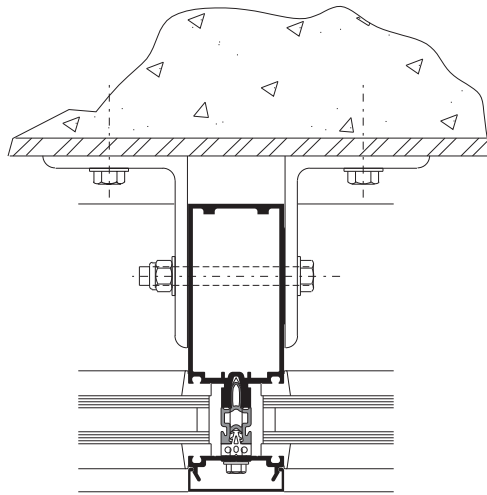


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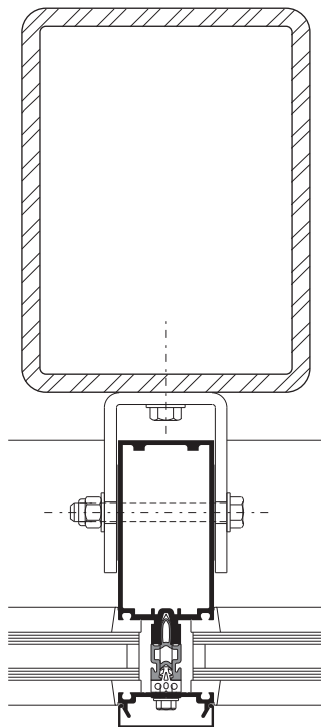
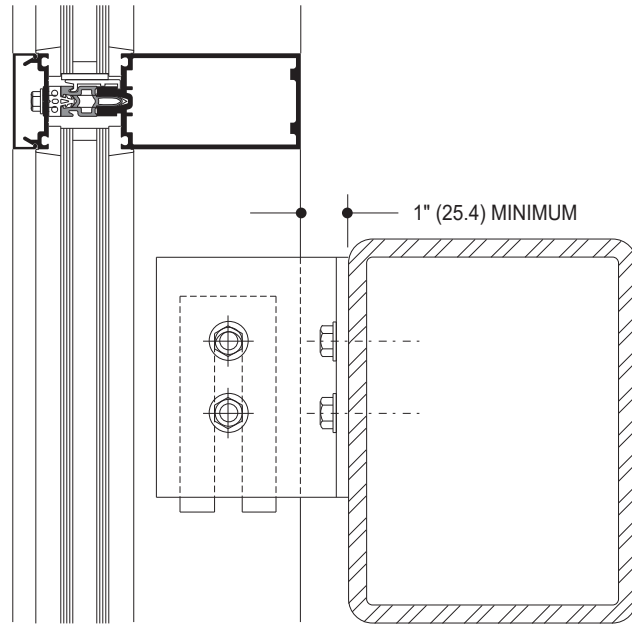
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Actual project conditions will determine specific anchor design. Details on this page are for reference only.

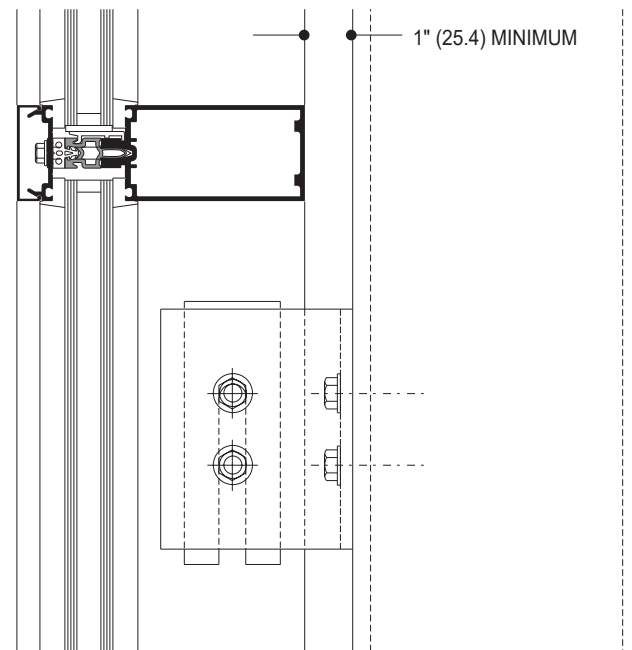
Note: 6" system shown, 7-1/2", 6-3/4" and 8-1/4" systems similar. Covers all glazing infills.



**ANCHORING TO HORIZONTAL
STRUCTURAL STEEL**



**ANCHORING TO VERTICAL
STRUCTURAL STEEL**



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.

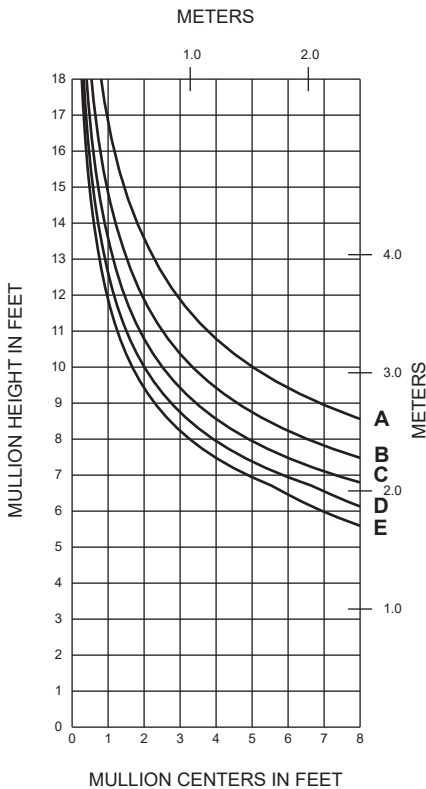
DEADLOAD CHARTS

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.

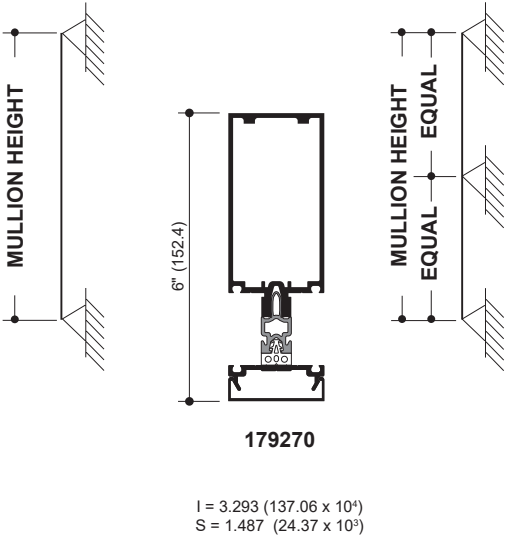
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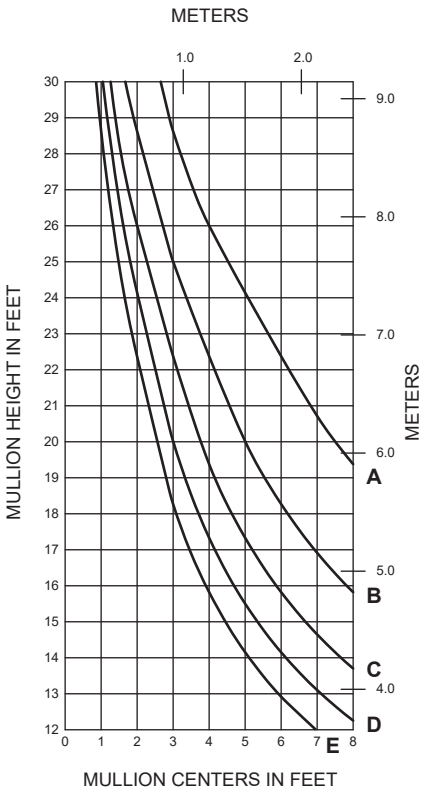
SINGLE SPAN



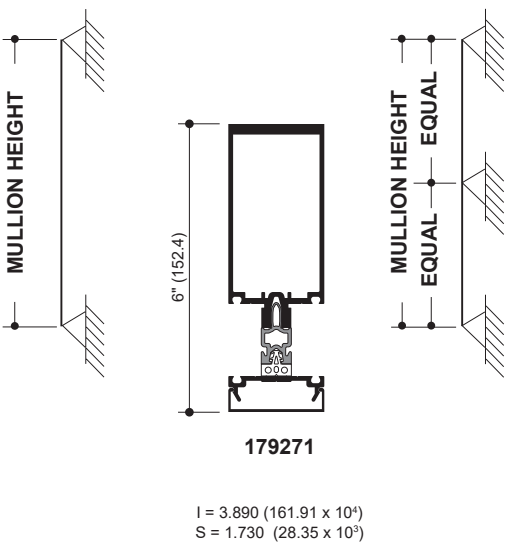
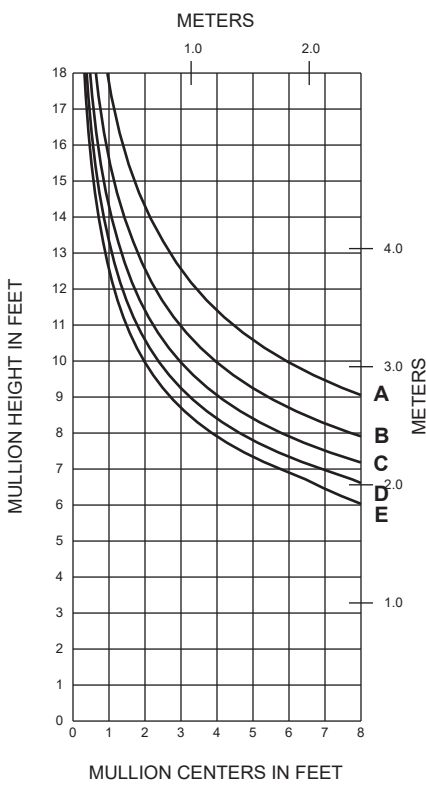
	Allowable Stress Design Load	LRFD Ultimate Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	50 PSF (2400)	83 PSF (4000)
E =	60 PSF (2880)	100 PSF (4790)



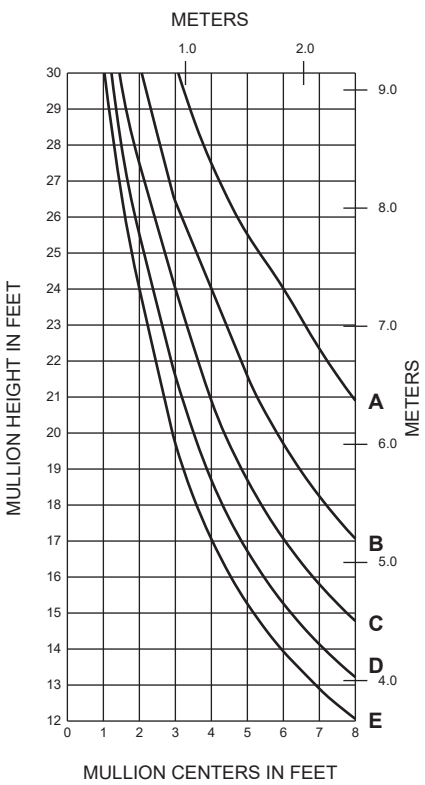
TWIN SPAN



SINGLE SPAN



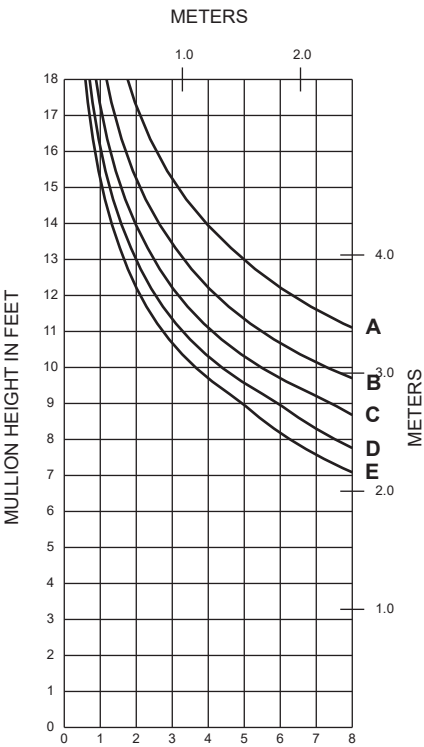
TWIN SPAN



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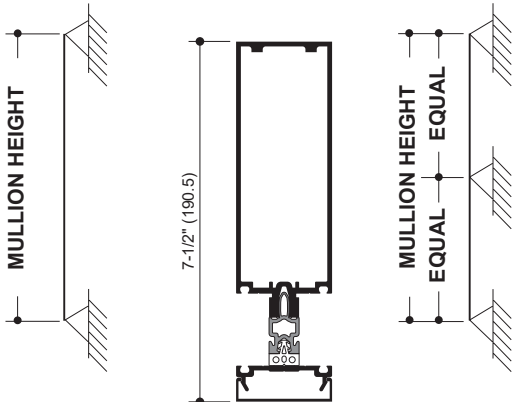
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SINGLE SPAN



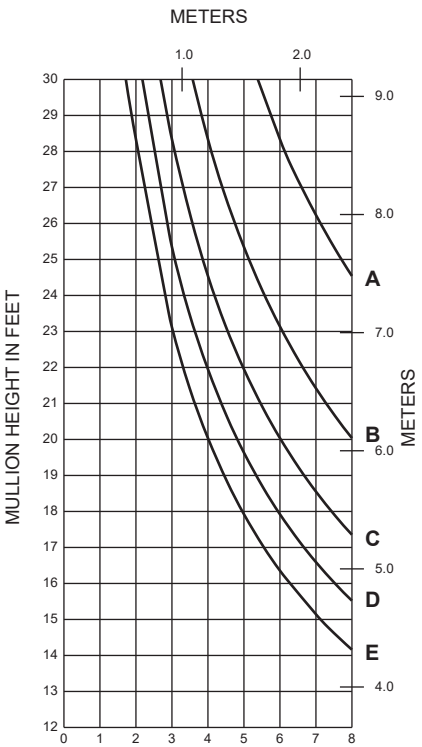
MULLION CENTERS IN FEET

	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)



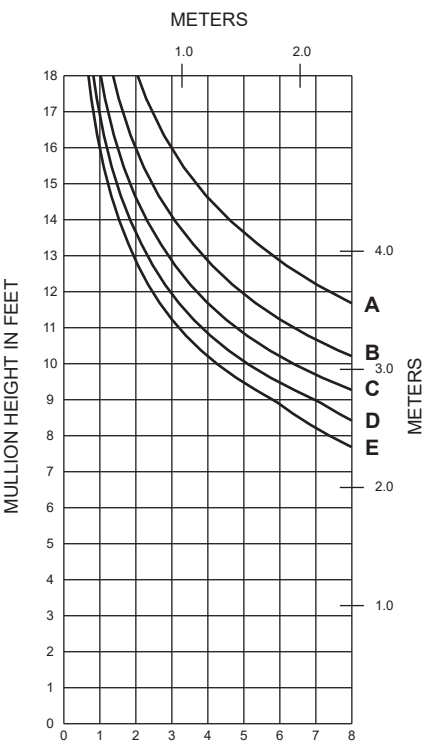
I = 7.181 (298.89 x 10⁴)
S = 2.385 (39.08 x 10³)

TWIN SPAN

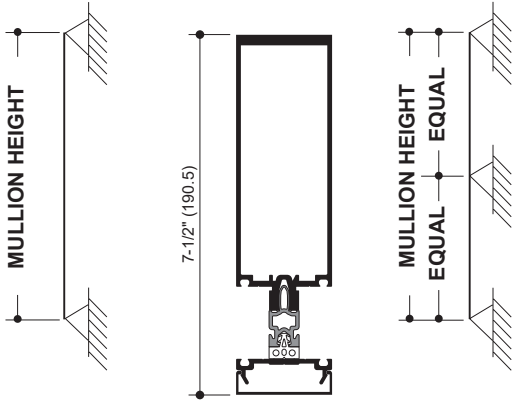


MULLION CENTERS IN FEET

SINGLE SPAN

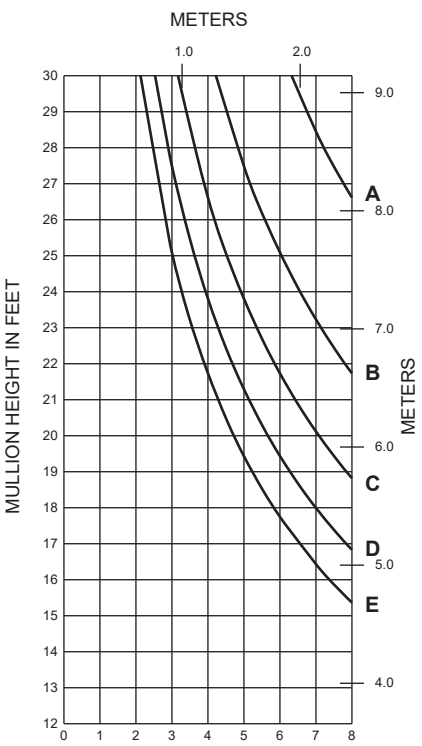


MULLION CENTERS IN FEET



I = 8.364 (348.13 x 10⁴)
S = 2.805 (45.97 x 10³)

TWIN SPAN



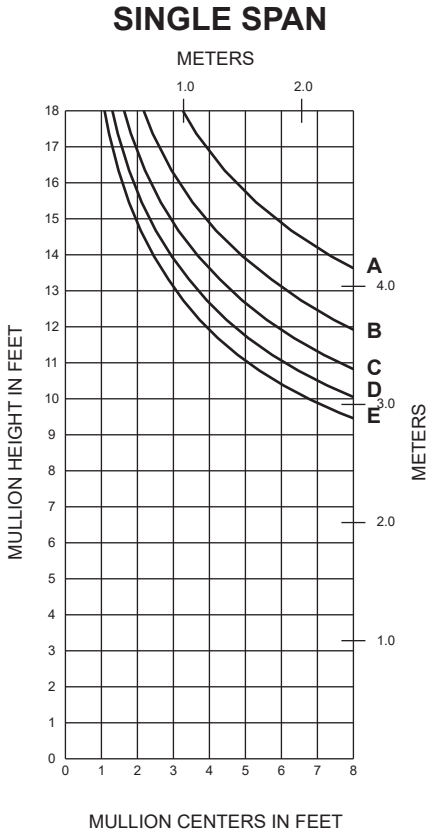
MULLION CENTERS IN FEET

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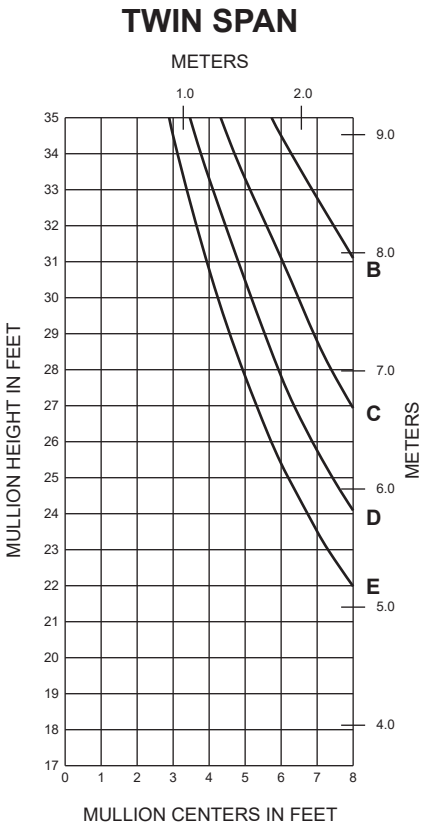
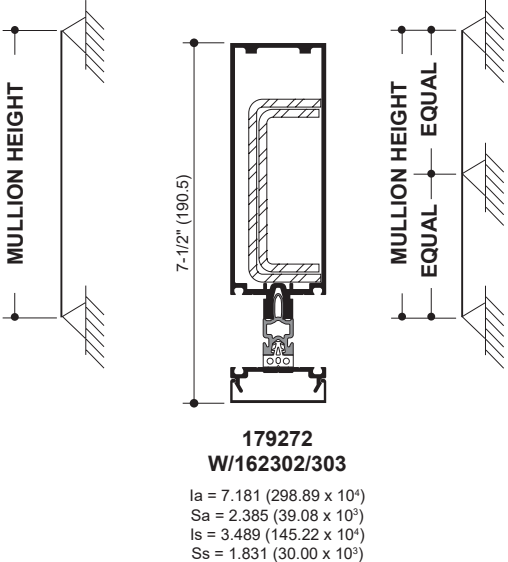
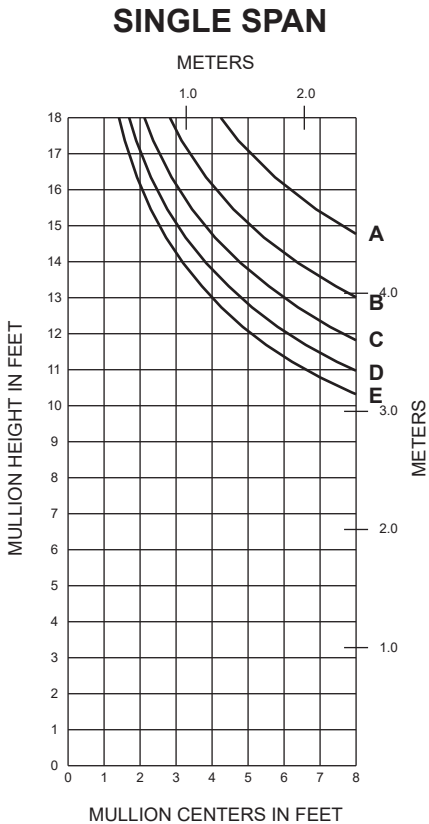
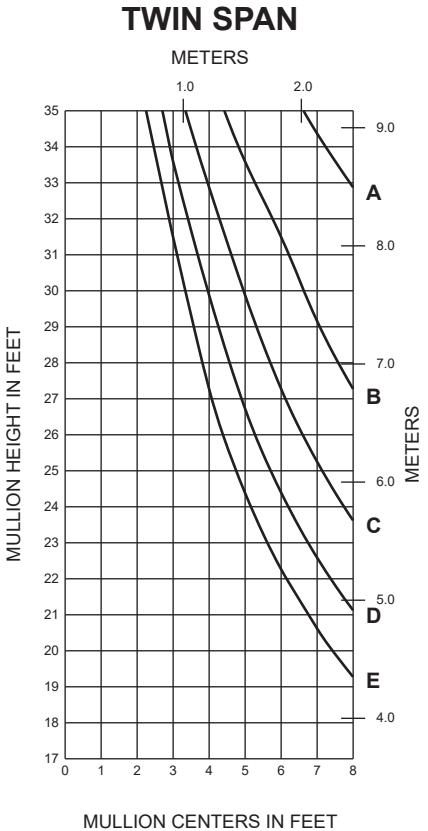
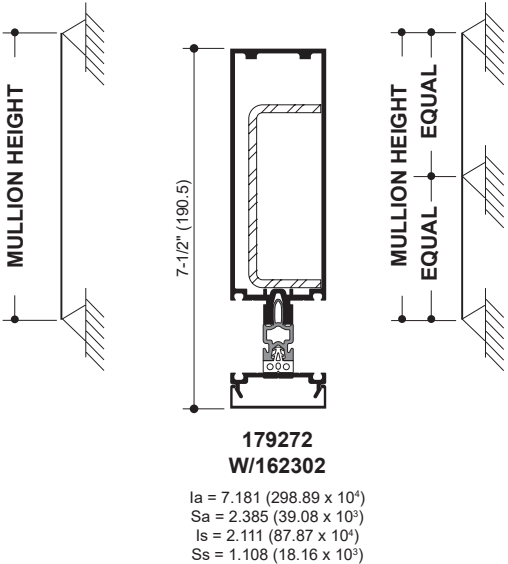
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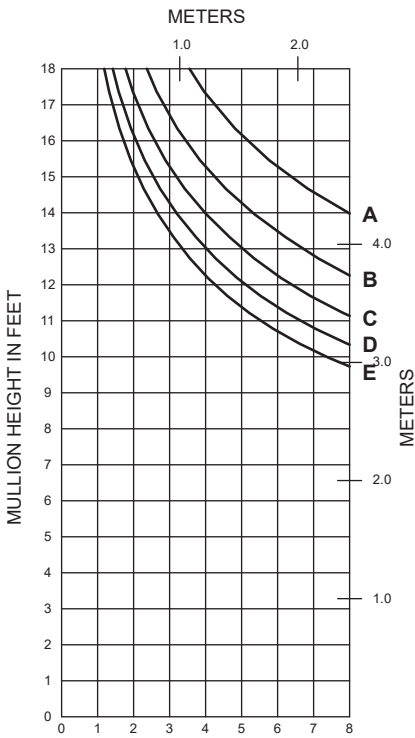
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	Allowable Stress Design Load	LRFD Ultimate Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	50 PSF (2400)	83 PSF (4000)
E =	60 PSF (2880)	100 PSF (4790)

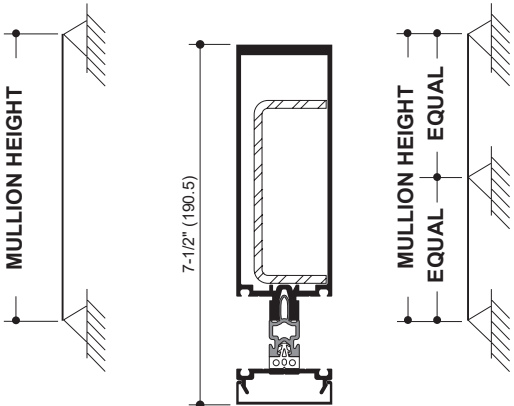


SINGLE SPAN



MULLION CENTERS IN FEET

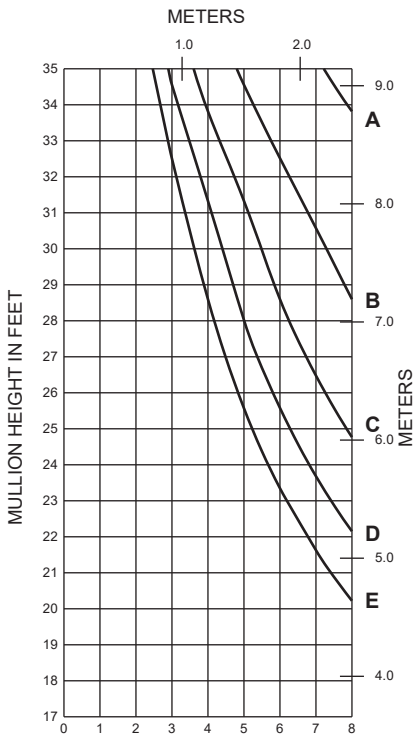
	Allowable Stress Design Load	LRFD Ultimate Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	50 PSF (2400)	83 PSF (4000)
E =	60 PSF (2880)	100 PSF (4790)



**178004
W/162302**

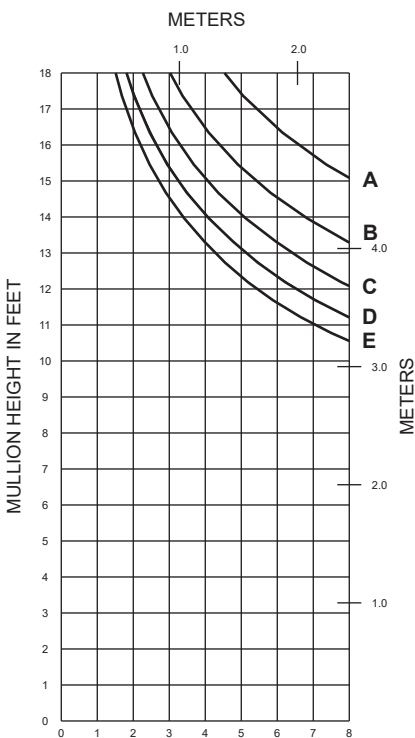
 $I_a = 8.364 (348.13 \times 10^4)$
 $S_a = 2.805 (45.97 \times 10^3)$
 $I_s = 2.111 (87.87 \times 10^4)$
 $S_s = 1.108 (18.16 \times 10^3)$

TWIN SPAN

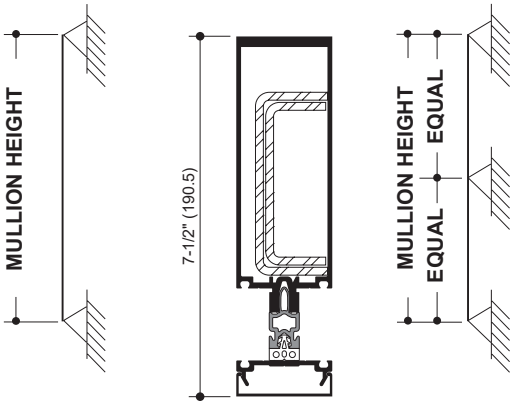


MULLION CENTERS IN FEET

SINGLE SPAN



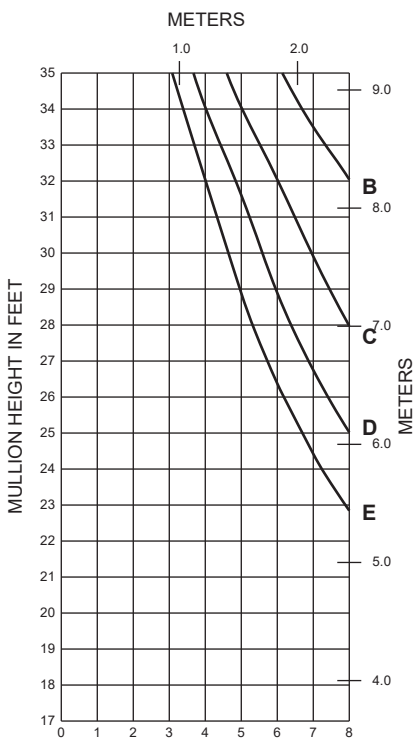
MULLION CENTERS IN FEET



**178004
W/162302/303**

 $I_a = 8.364 (348.13 \times 10^4)$
 $S_a = 2.805 (45.97 \times 10^3)$
 $I_s = 3.489 (145.22 \times 10^4)$
 $S_s = 1.831 (30.00 \times 10^3)$

TWIN SPAN



MULLION CENTERS IN FEET

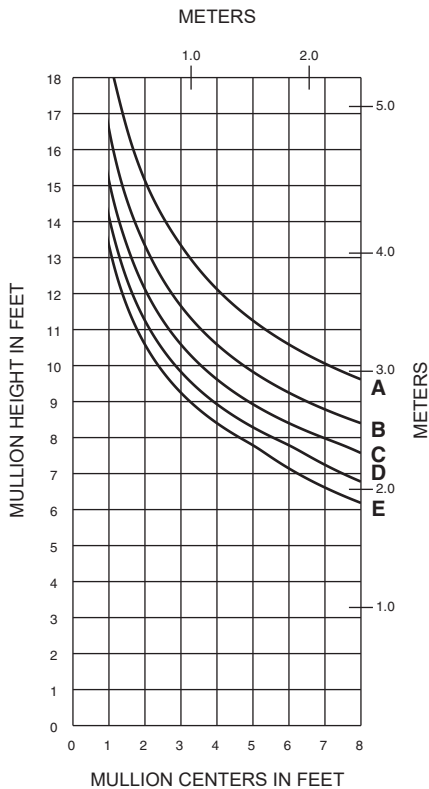
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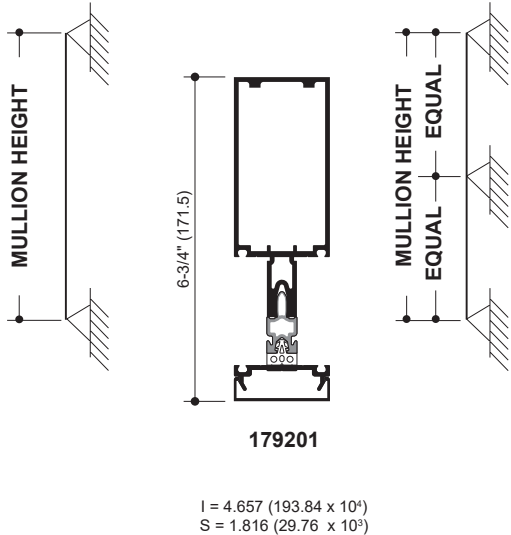
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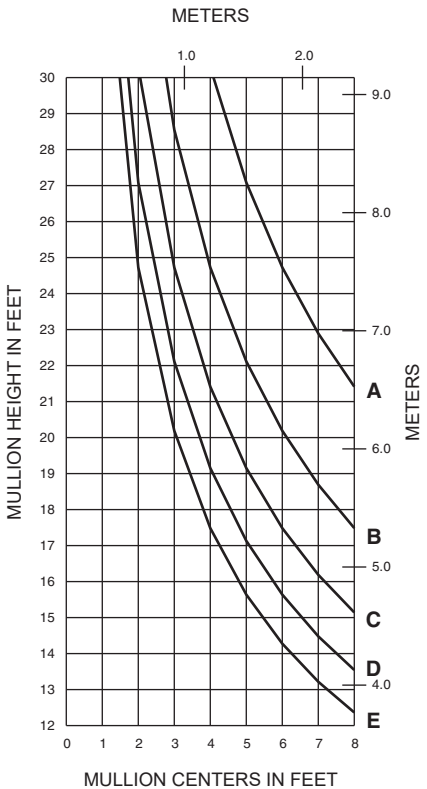
SINGLE SPAN



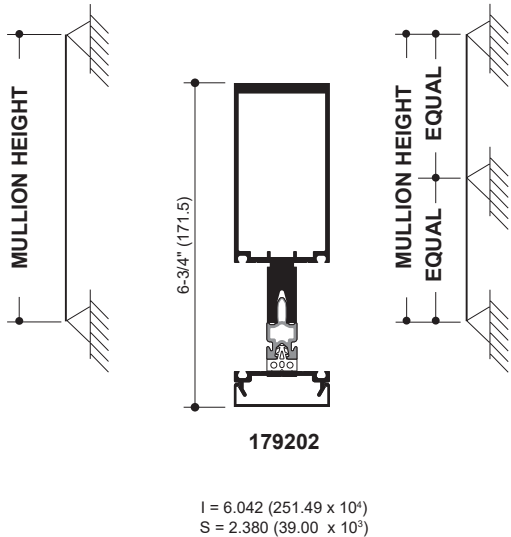
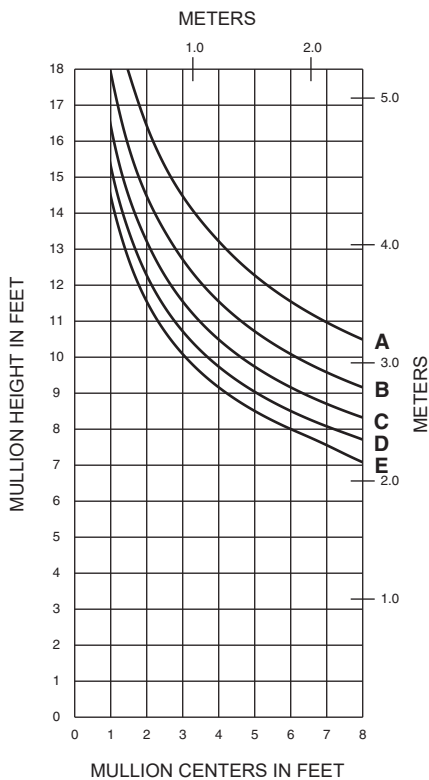
	Allowable Stress Design Load	LRFD Ultimate Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	50 PSF (2400)	83 PSF (4000)
E =	60 PSF (2880)	100 PSF (4790)



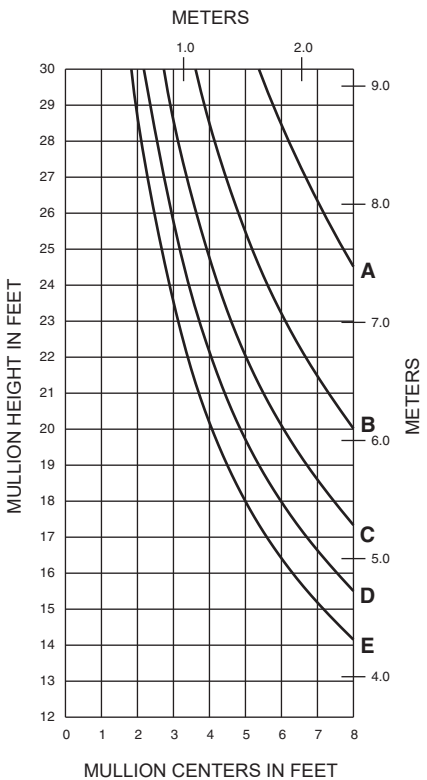
TWIN SPAN



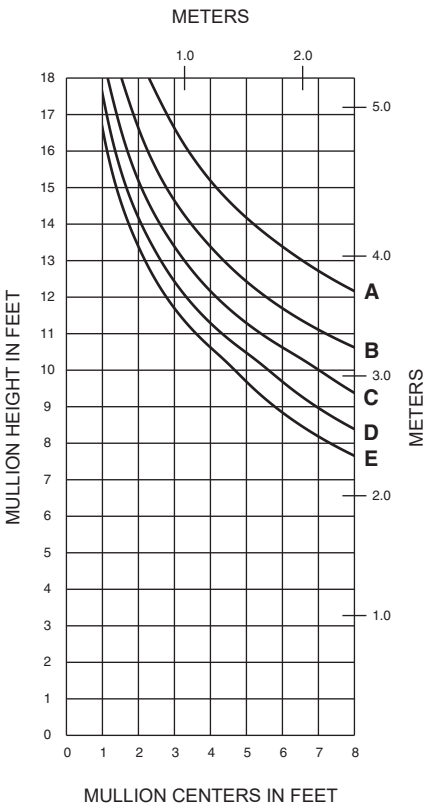
SINGLE SPAN



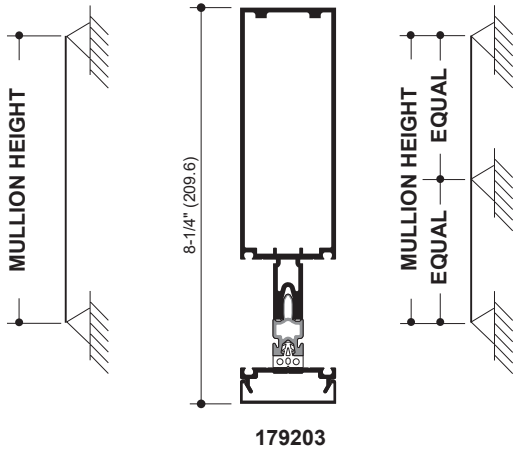
TWIN SPAN



SINGLE SPAN

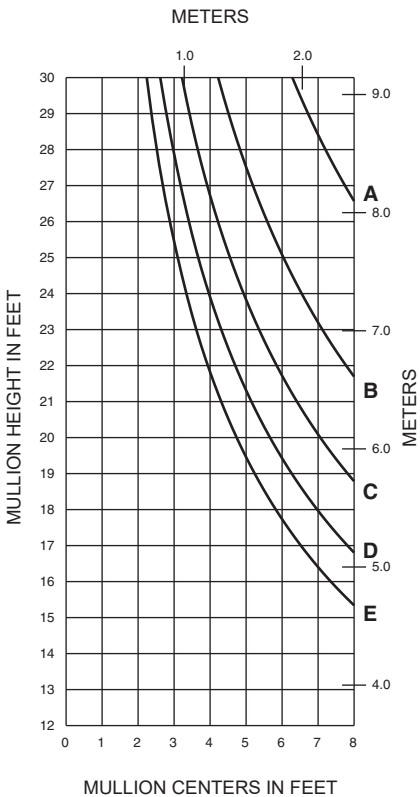


	Allowable Stress Design Load	LRFD Ultimate Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	50 PSF (2400)	83 PSF (4000)
E =	60 PSF (2880)	100 PSF (4790)

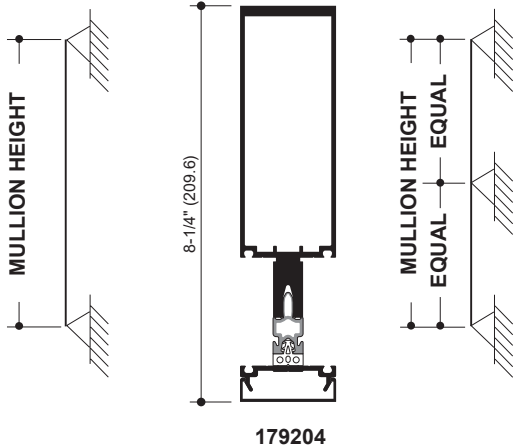
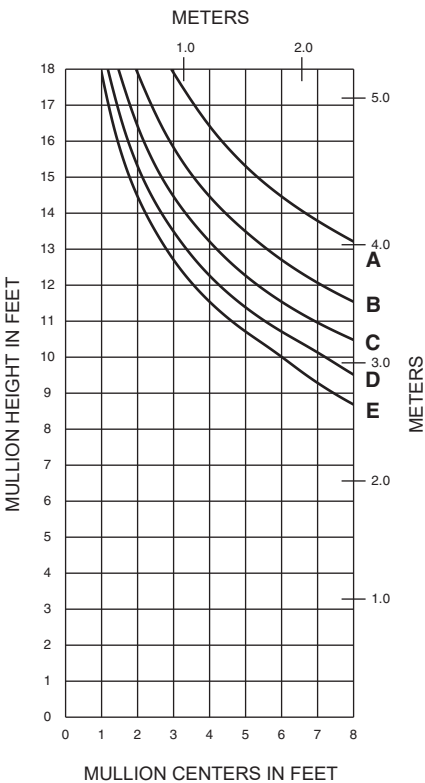


I = 9.414 (391.84 x 10⁴)
S = 2.782 (45.59 x 10³)

TWIN SPAN

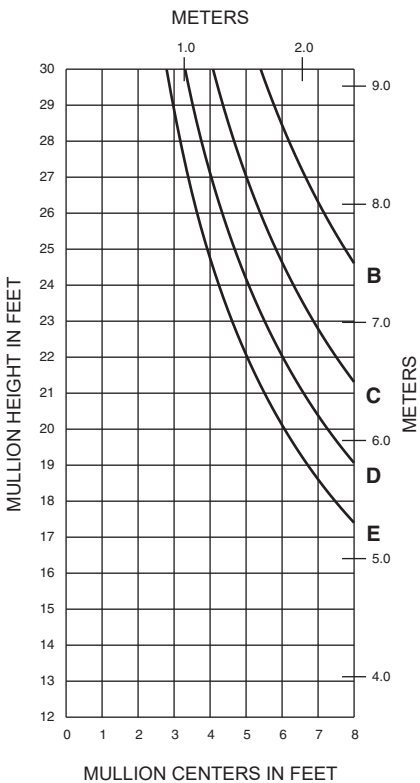


SINGLE SPAN



I = 12.059 (501.93 x 10⁴)
S = 3.580 (58.67 x 10³)

TWIN SPAN



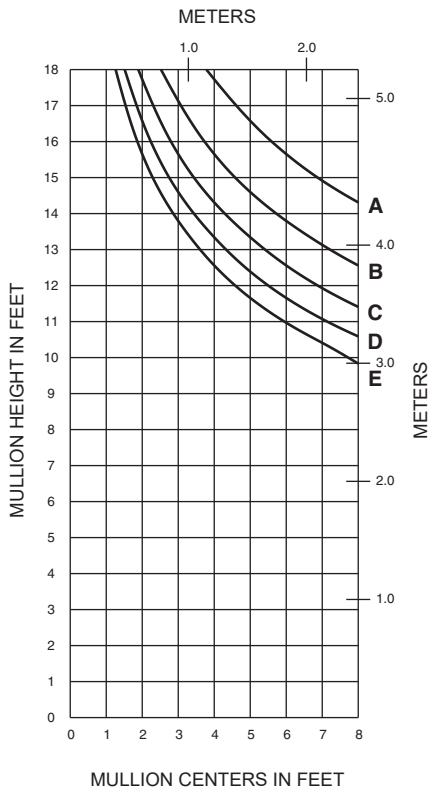
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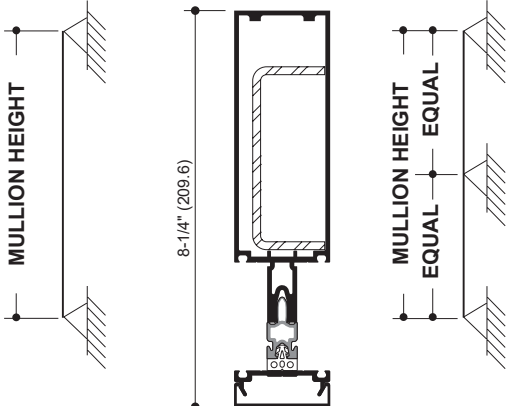
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SINGLE SPAN



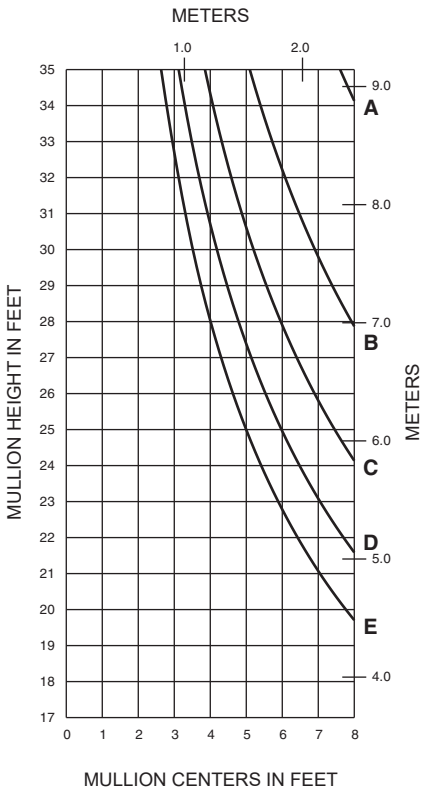
	Allowable Stress Design Load	LRFD Ultimate Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	50 PSF (2400)	83 PSF (4000)
E =	60 PSF (2880)	100 PSF (4790)



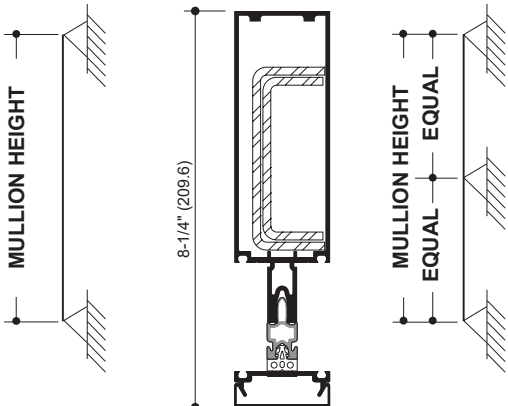
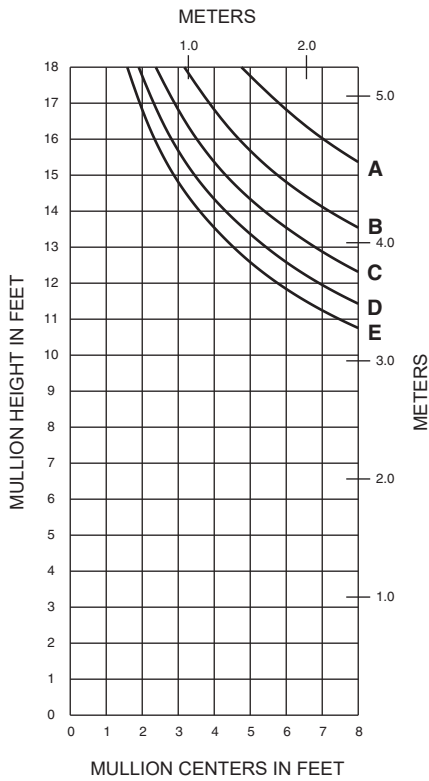
179203
W/162302

la = 9.414 (391.84 x 10⁴)
Sa = 2.782 (45.59 x 10³)
ls = 2.111 (87.87 x 10⁴)
Ss = 1.108 (18.16 x 10³)

TWIN SPAN



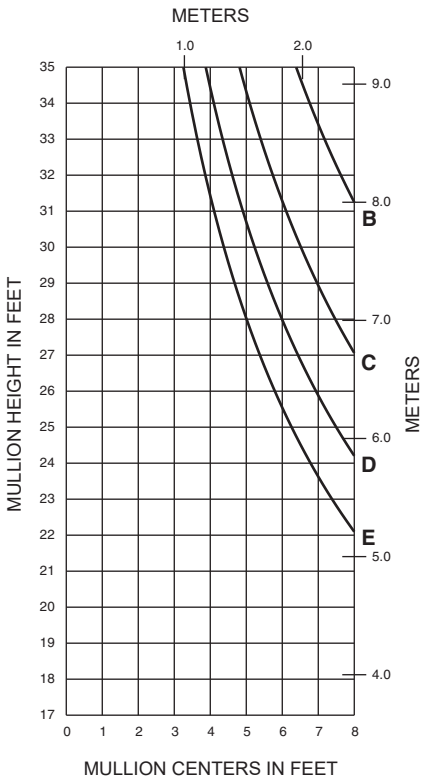
SINGLE SPAN



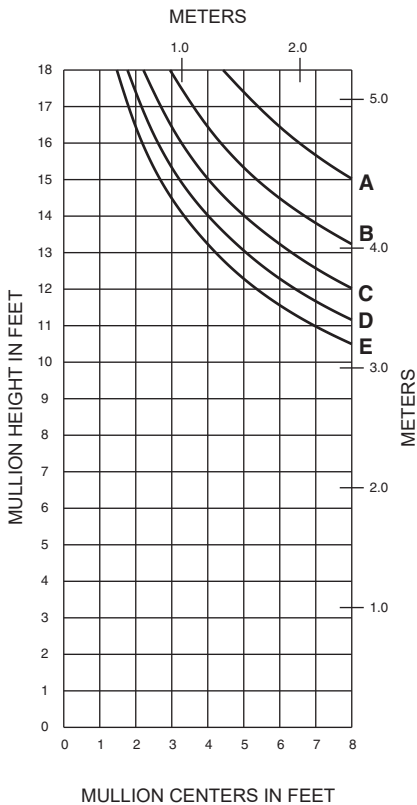
179203
W/162302/303

la = 9.414 (391.84 x 10⁴)
Sa = 2.782 (45.59 x 10³)
ls = 3.489 (145.22 x 10⁴)
Ss = 1.831 (30.00 x 10³)

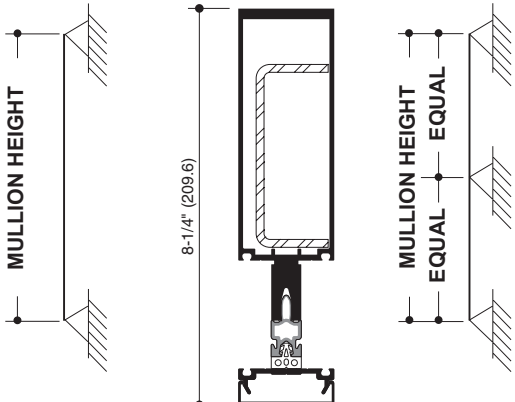
TWIN SPAN



SINGLE SPAN



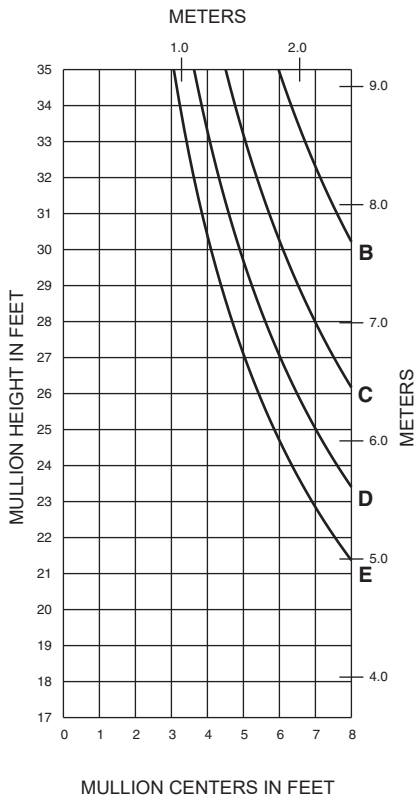
	Allowable Stress Design Load	LRFD Ultimate Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	50 PSF (2400)	83 PSF (4000)
E =	60 PSF (2880)	100 PSF (4790)



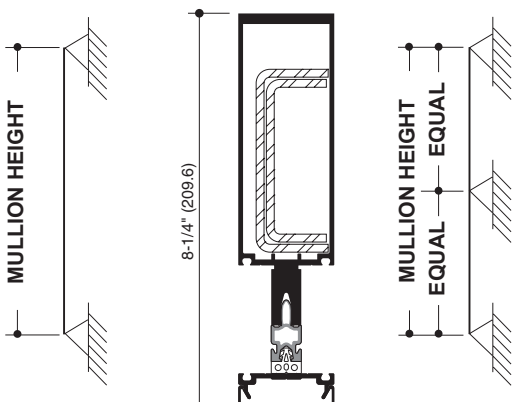
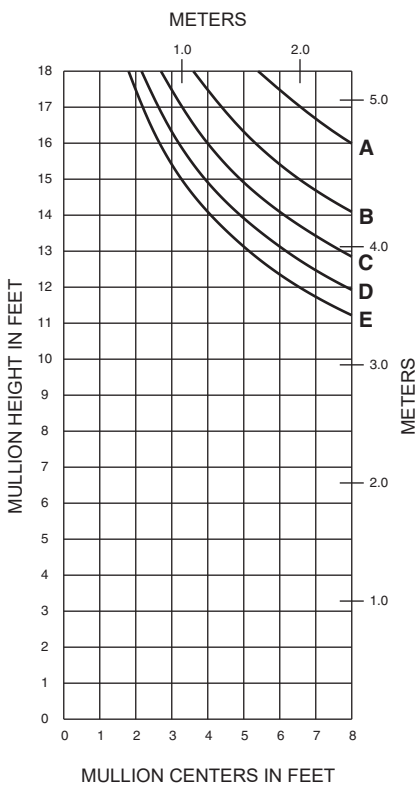
179204
W/162302

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

TWIN SPAN



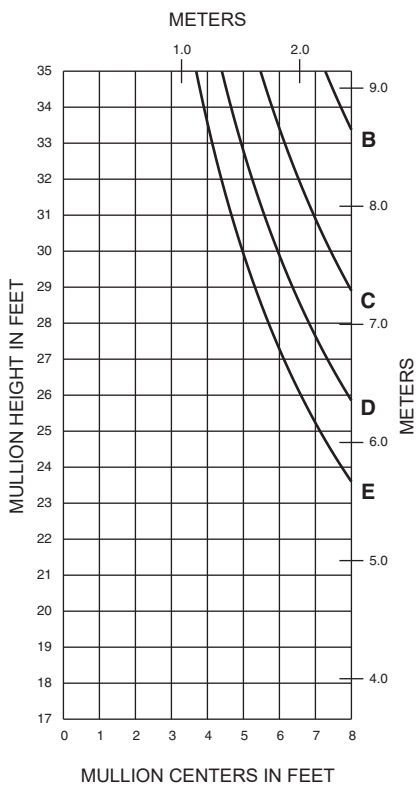
SINGLE SPAN



179204
W/162302/303

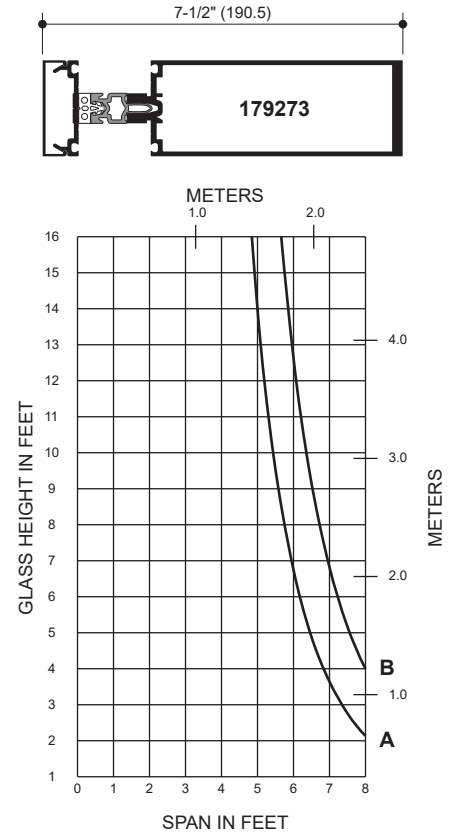
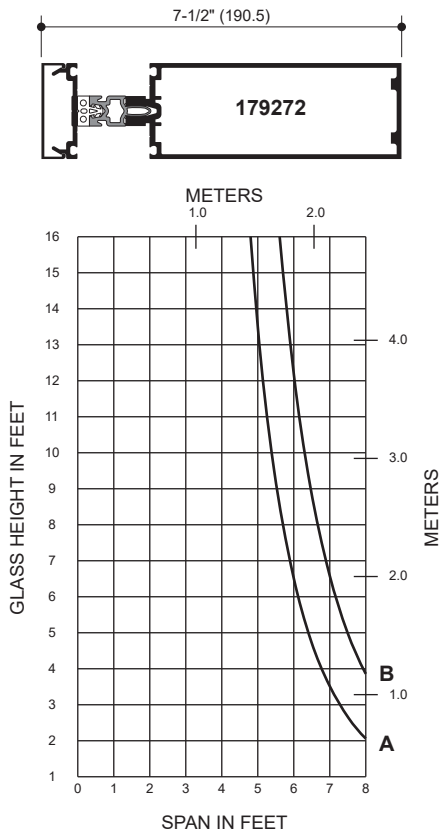
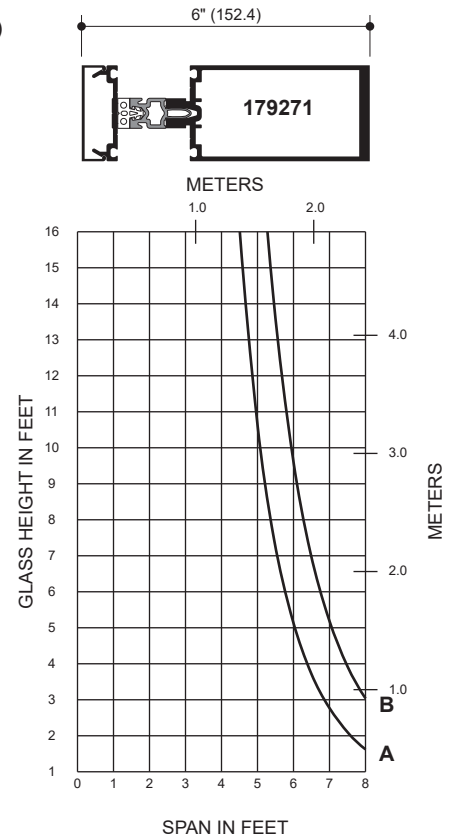
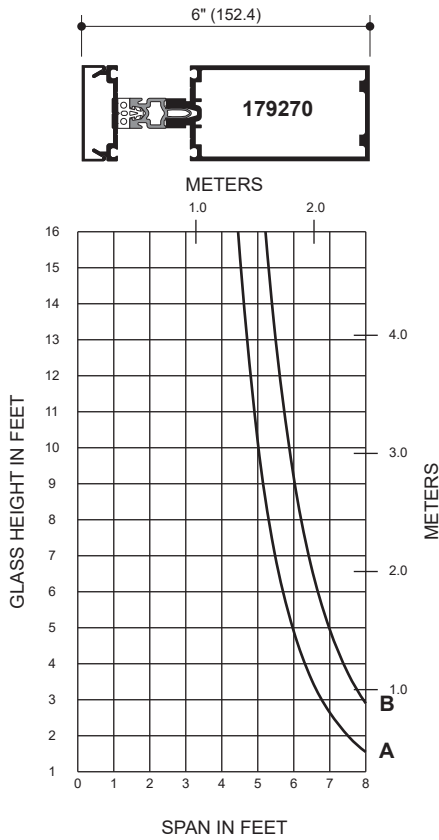
 $I_a = 12.059 (501.93 \times 10^4)$
 $S_a = 3.580 (58.67 \times 10^3)$
 $I_s = 3.489 (145.22 \times 10^4)$
 $S_s = 1.831 (30.00 \times 10^3)$

TWIN SPAN



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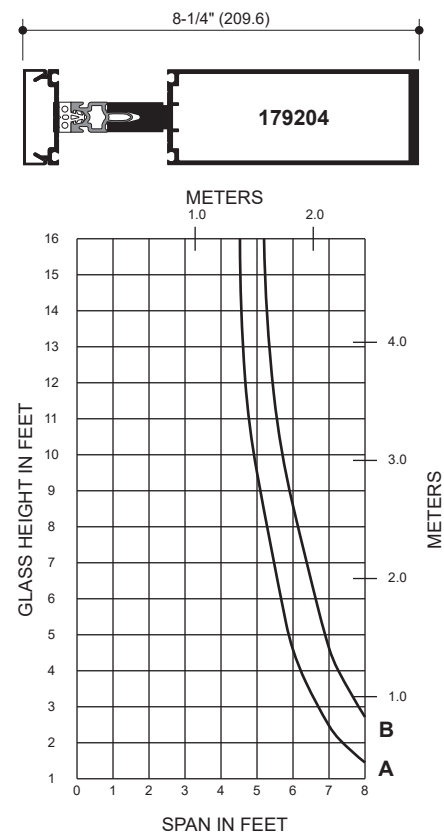
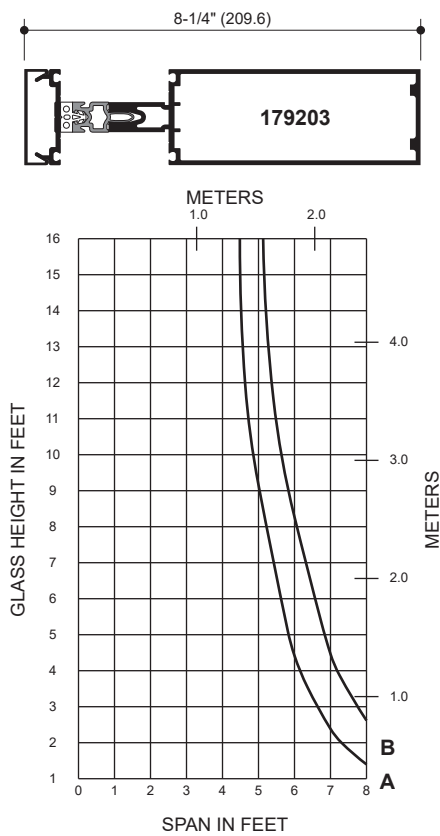
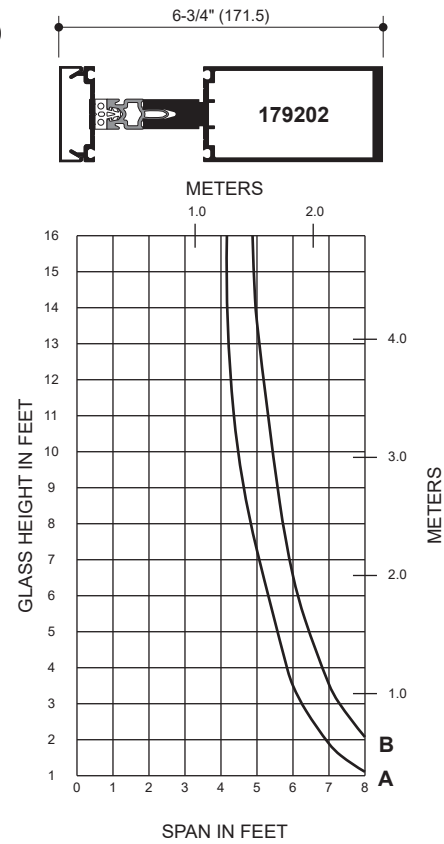
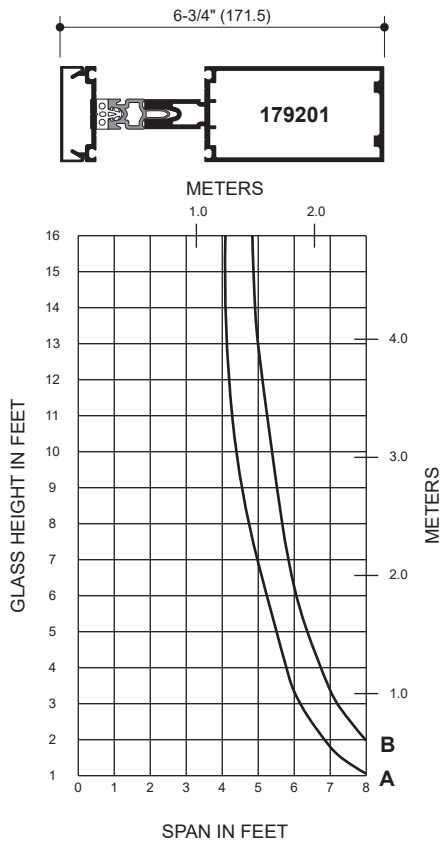


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DEADLOAD CHARTS (TUBULAR)
(1-3/4" INFILL)

EC 97911-343

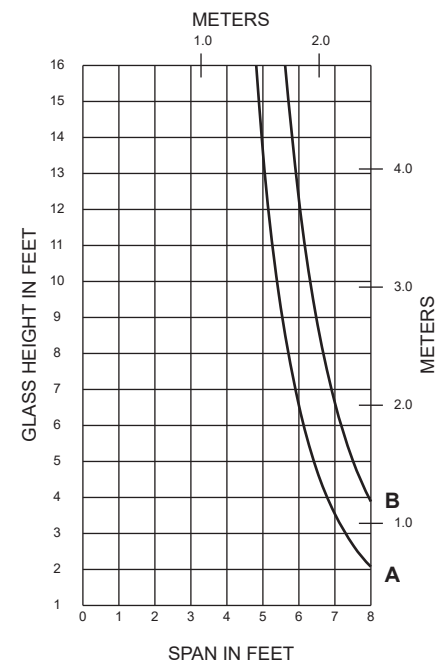
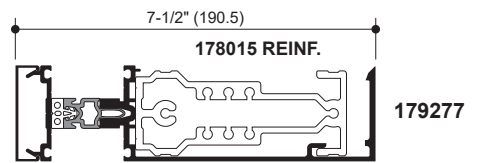
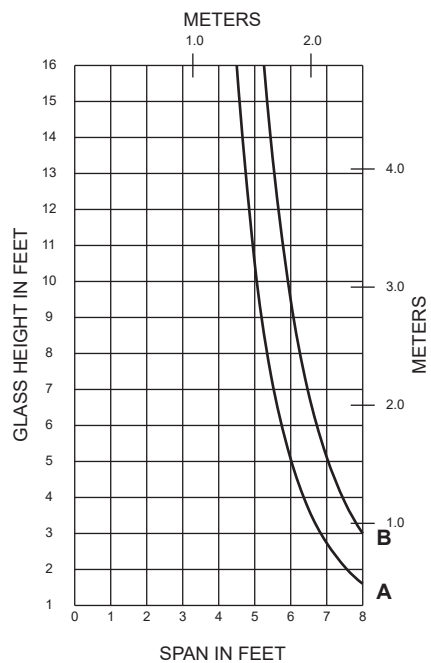
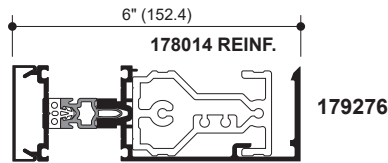
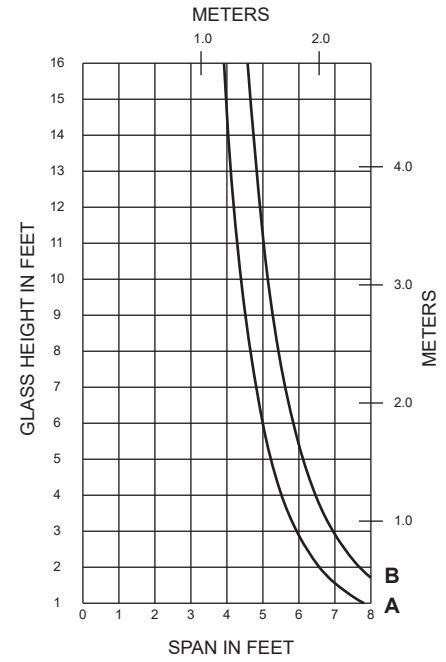
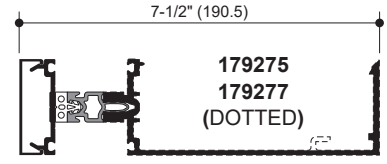
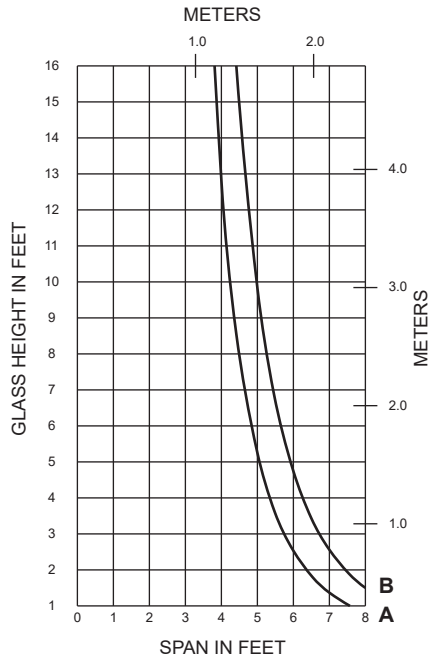
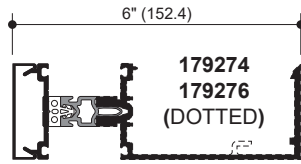


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DEADLOAD CHARTS (OPEN BACK) (1" INFILL)

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



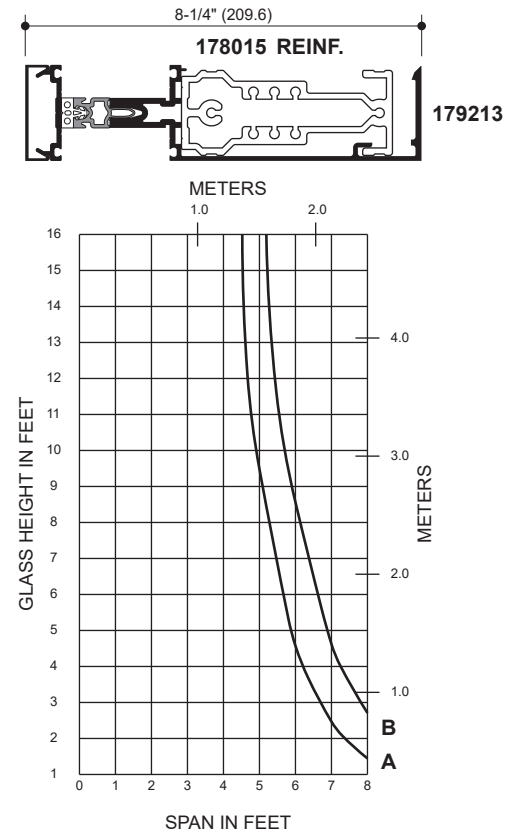
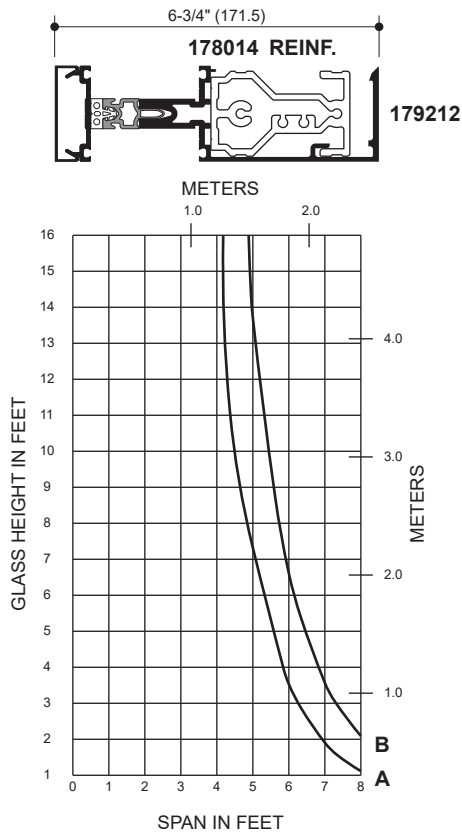
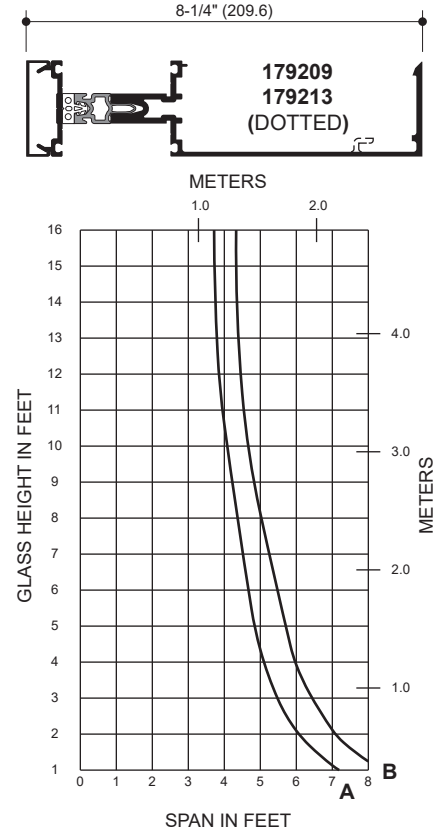
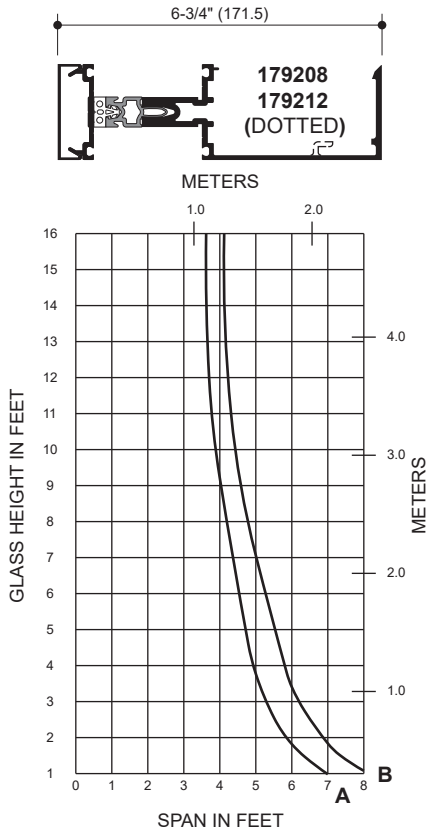
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DEADLOAD CHARTS (OPEN BACK)
(1-3/4" INFILL)

EC 97911-343

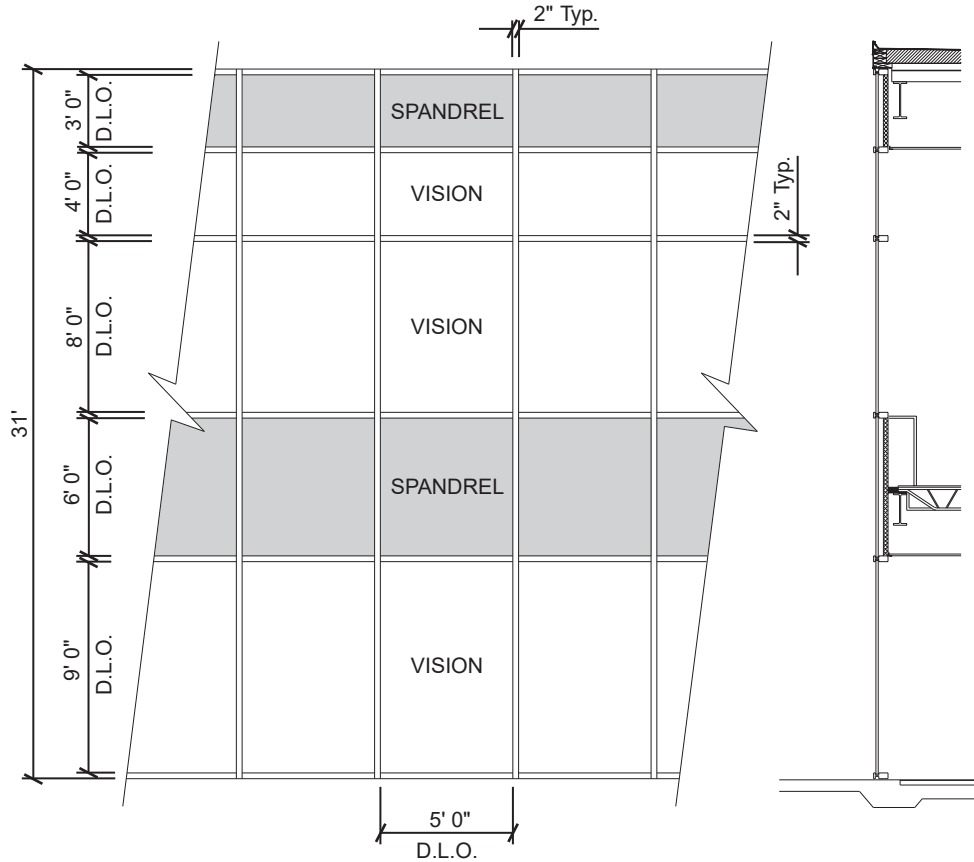
A - 1" GLASS (1/4 POINT LOADING)
B - 1" GLASS (1/8 POINT LOADING)



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



Vision Area

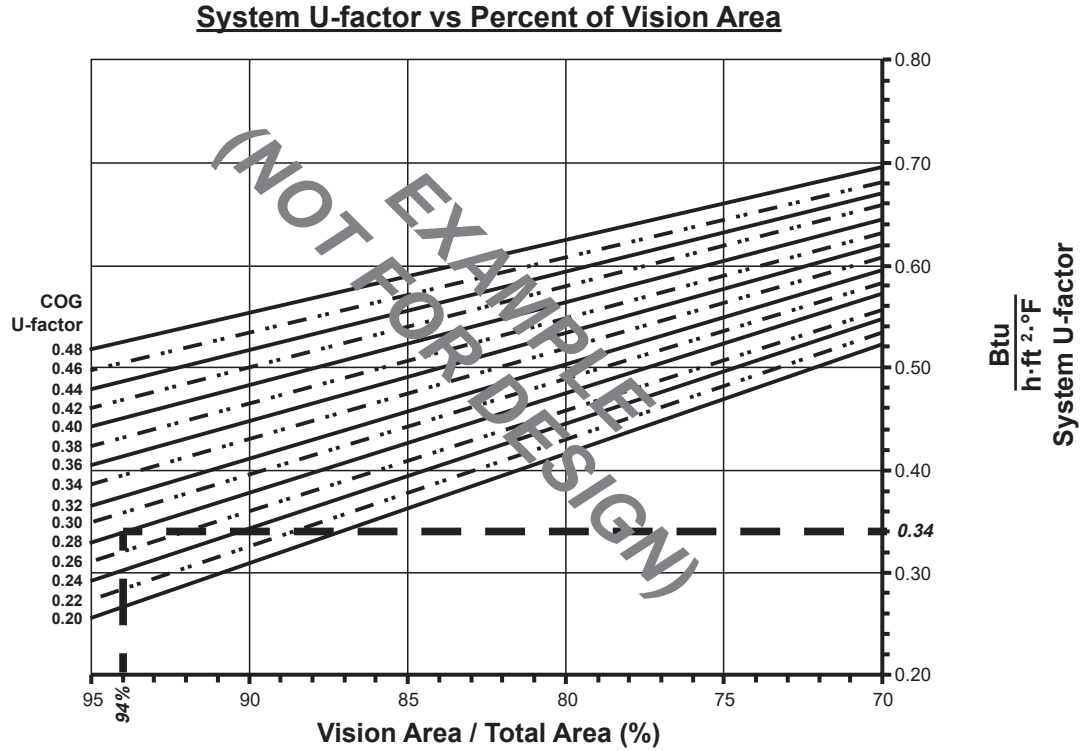
Example Glass U-factor	= 0.28 Btu/(ft ² · h · °F)
Vision Area	= 5(9 + 8 + 4) = 105.0 ft ²
Total Area (Vision)*	= 5' 2" (9' 3" + 8' 2" + 4' 2") = 111.5 ft ²
Percentage of Vision Glass	= (Vision Area ÷ Total Area)100 = (105.0 ÷ 111.5)100 = 94%

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

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Vision Area Chart



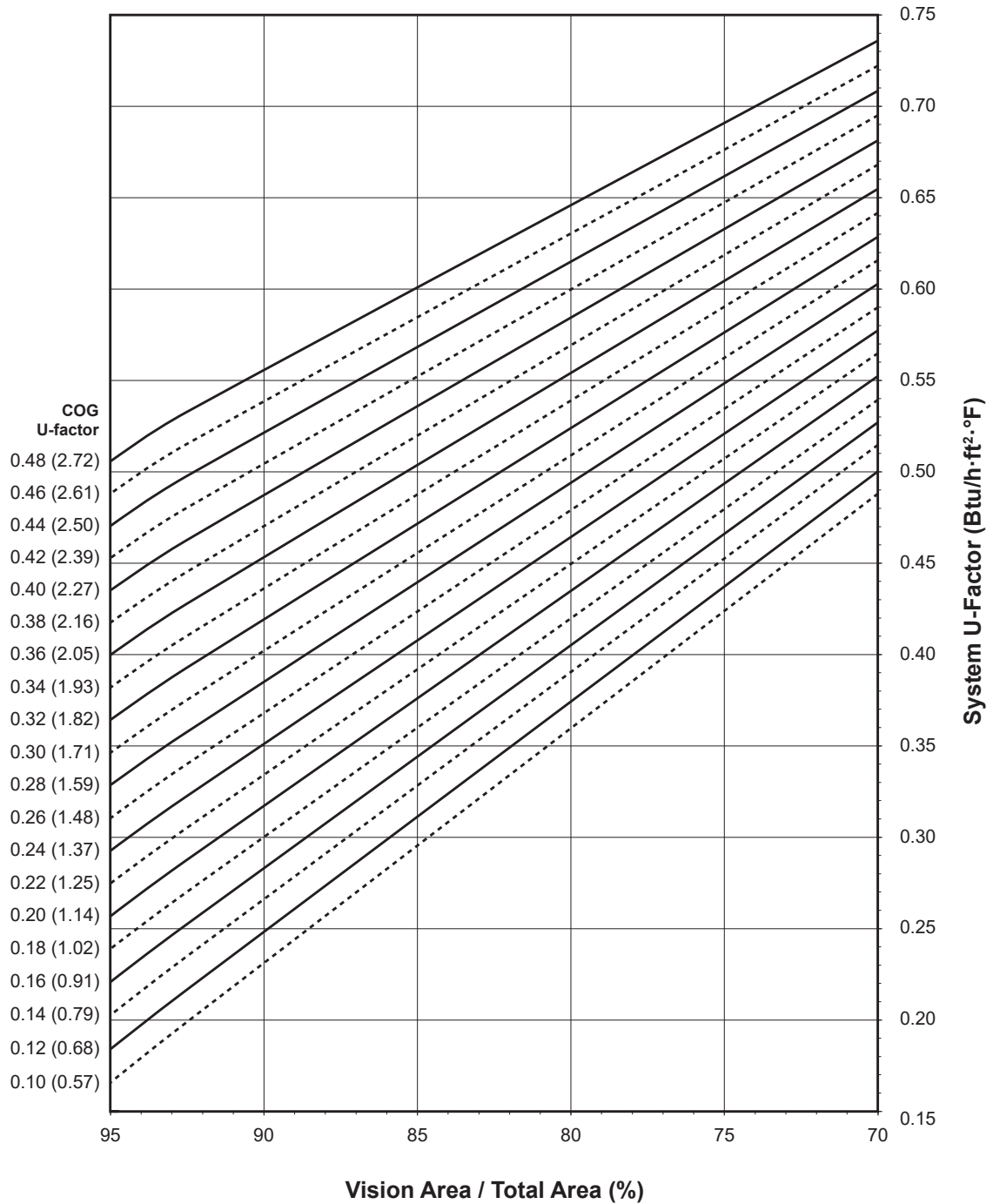
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**Aluminum Pressure Plate
1" Double Glazed - Warm-Edge Glazing Spacer**

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

System U-Factor for Vision Glass

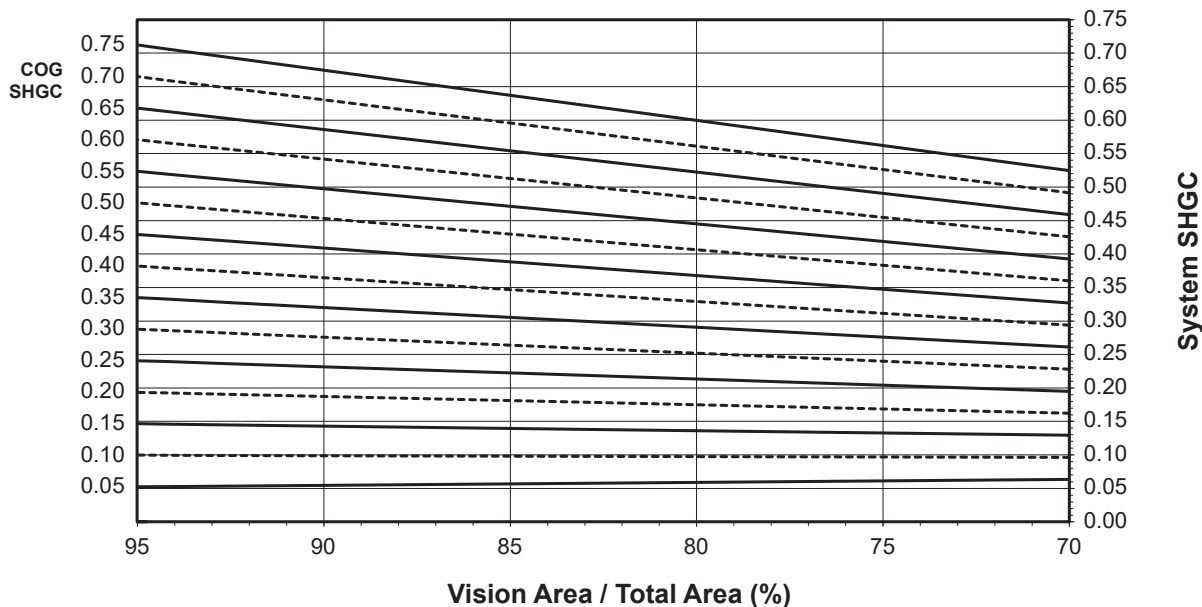


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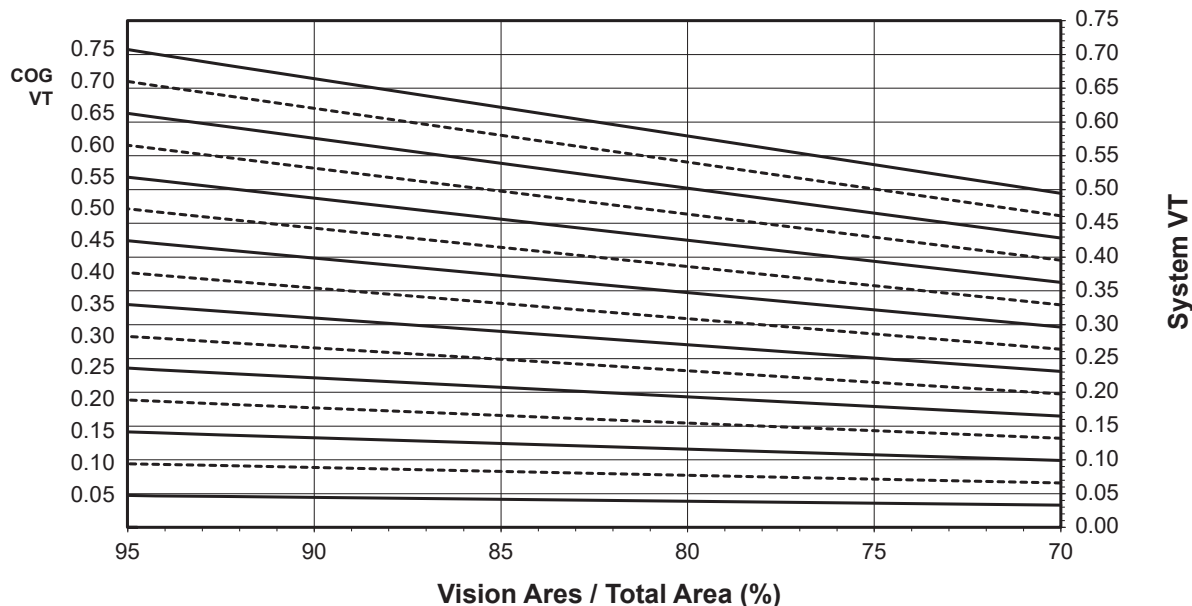
**Aluminum Pressure Plate
1" Double Glazed - Warm-Edge Glazing Spacer**

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



Charts are generated per AAMA 507.

System Visible Transmittance (VT) vs Percent of Vision Area



Charts are generated per AAMA 507.

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Thermal Transmittance ¹ (BTU/hr • ft² • °F)

Glass U-Factor ³	Overall U-Factor ⁴
0.48	0.53
0.46	0.52
0.44	0.50
0.42	0.48
0.40	0.46
0.38	0.45
0.36	0.43
0.34	0.41
0.32	0.39
0.30	0.38
0.28	0.36
0.26	0.34
0.24	0.32
0.22	0.31
0.20	0.29
0.18	0.27
0.16	0.25
0.14	0.23
0.12	0.22
0.10	0.20

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

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

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

SHGC Matrix ²

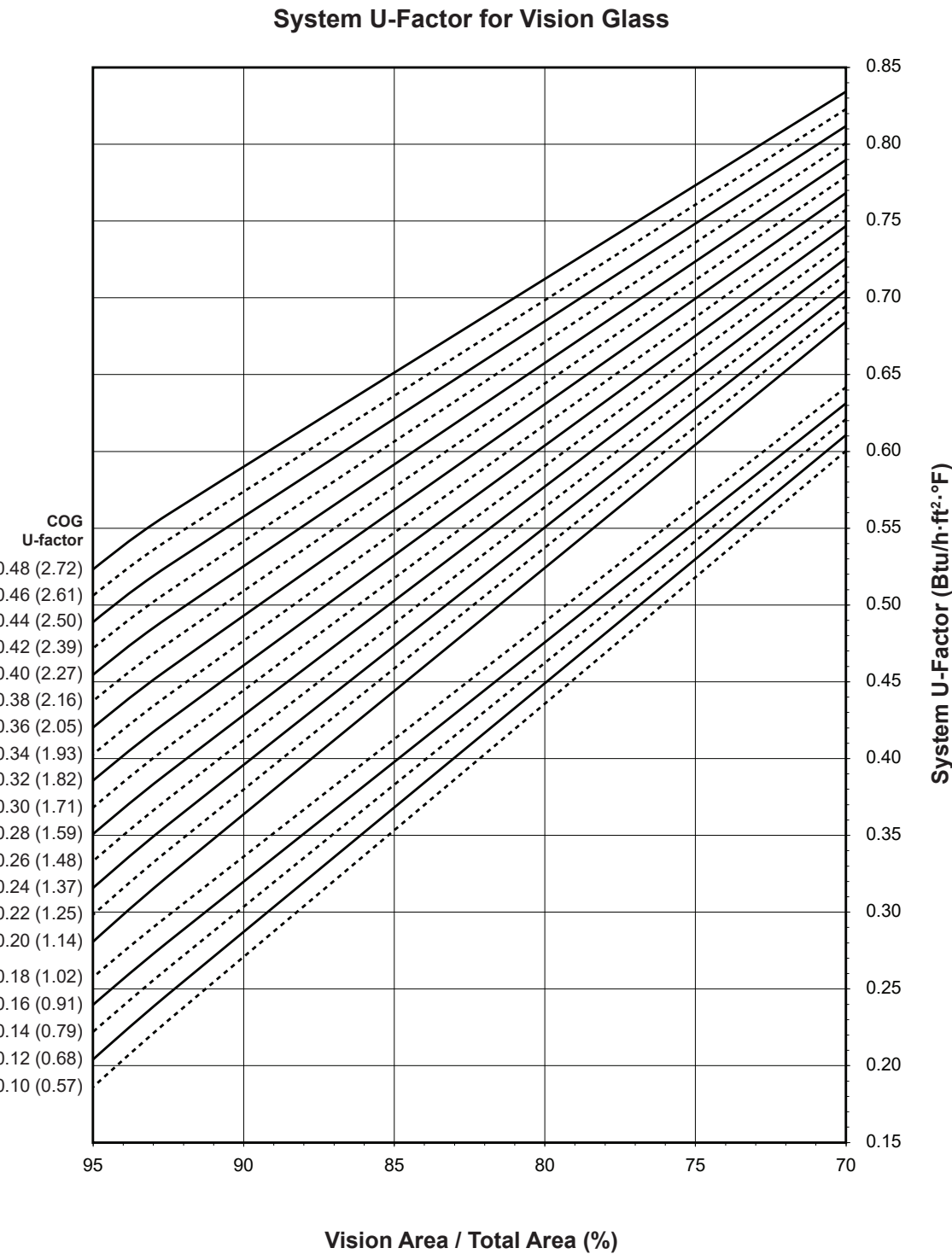
Glass SHGC ³	Overall SHGC ⁴
0.75	0.69
0.70	0.65
0.65	0.60
0.60	0.56
0.55	0.51
0.50	0.46
0.45	0.42
0.40	0.37
0.35	0.33
0.30	0.28
0.25	0.24
0.20	0.19
0.15	0.14
0.10	0.10
0.05	0.05

Visible Transmittance ²

Glass VT ³	Overall VT ⁴
0.75	0.69
0.70	0.64
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

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.

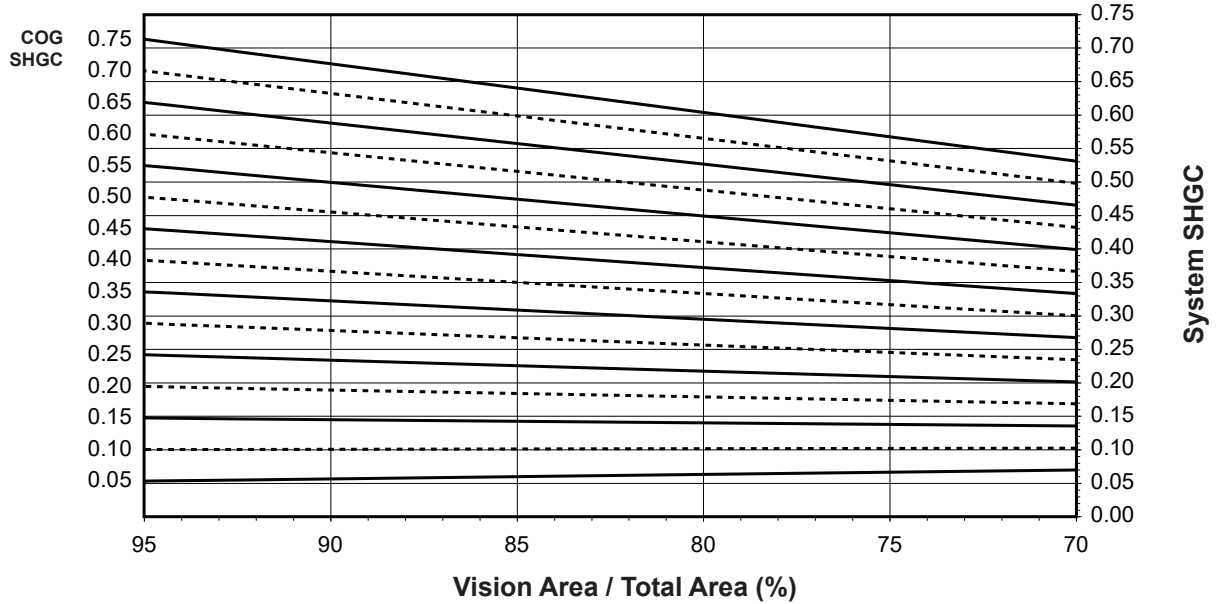


Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

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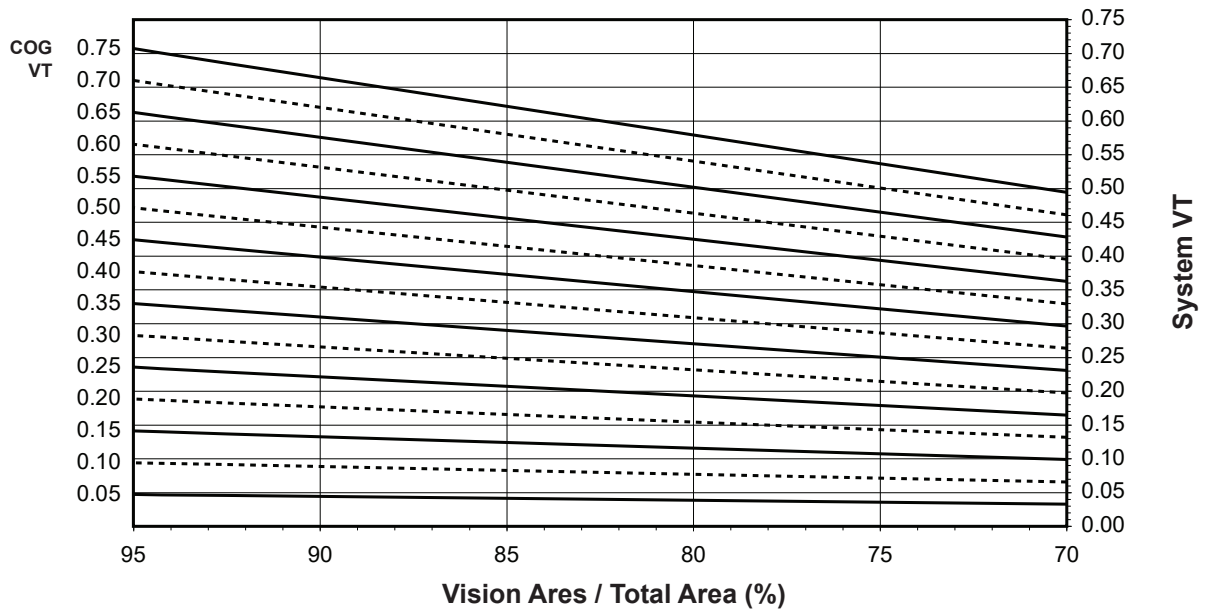
Aluminum Pressure Plate 1" Double Glazed - Aluminum Glazing Spacer

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.

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Thermal Transmittance ¹ (BTU/hr • ft² • °F)

Glass U-Factor ³	Overall U-Factor ⁴
0.48	0.56
0.46	0.54
0.44	0.53
0.42	0.51
0.40	0.49
0.38	0.47
0.36	0.46
0.34	0.44
0.32	0.42
0.30	0.41
0.28	0.39
0.26	0.37
0.24	0.36
0.22	0.34
0.20	0.32
0.18	0.30
0.16	0.28
0.14	0.26
0.12	0.25
0.10	0.23

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

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

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

SHGC Matrix ²

Glass SHGC ³	Overall SHGC ⁴
0.75	0.69
0.70	0.65
0.65	0.60
0.60	0.56
0.55	0.51
0.50	0.47
0.45	0.42
0.40	0.37
0.35	0.33
0.30	0.28
0.25	0.24
0.20	0.19
0.15	0.15
0.10	0.10
0.05	0.05

Visible Transmittance ²

Glass VT ³	Overall VT ⁴
0.75	0.69
0.70	0.64
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

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

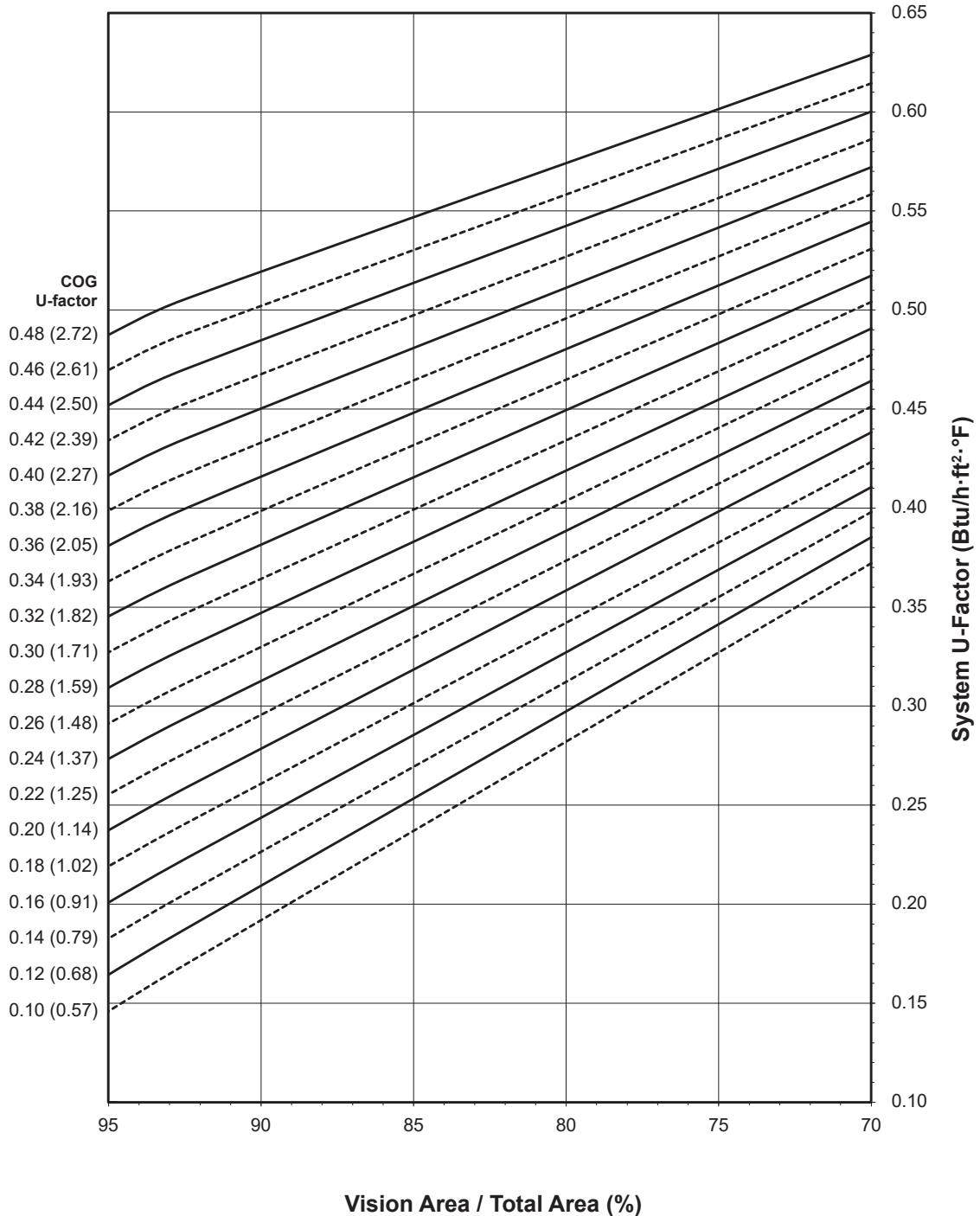
Note:

Values in parentheses are metric.

COG = Center of Glass.

Charts are generated per AMMA 507

System U-Factor for Vision Glass



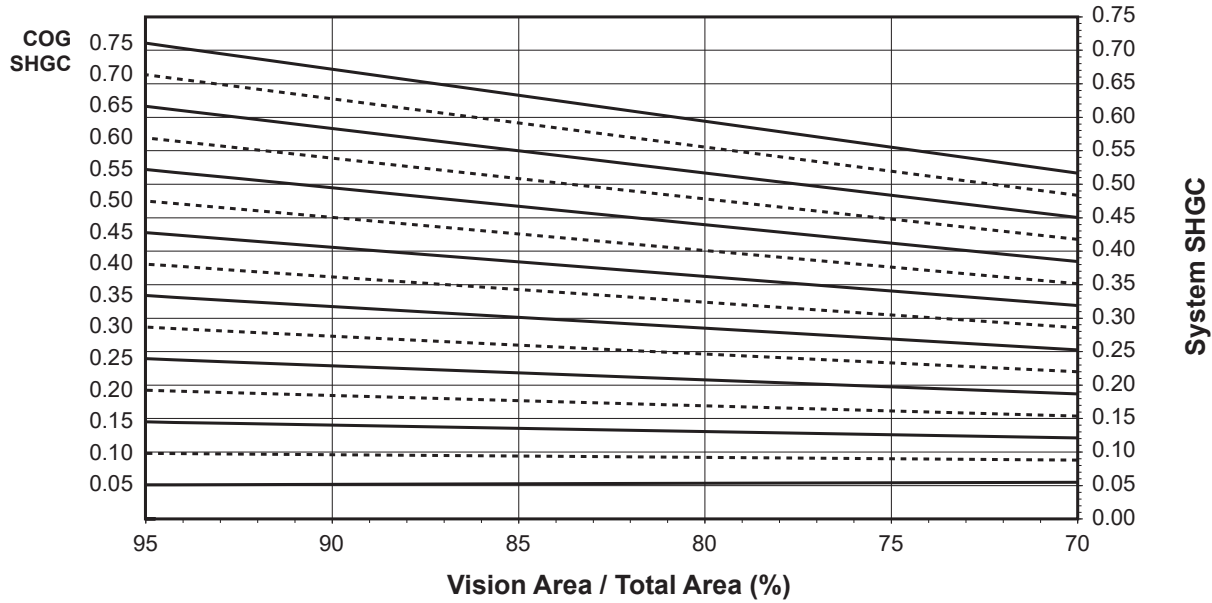
Notes for System U-factor, SHGC and VT charts:

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

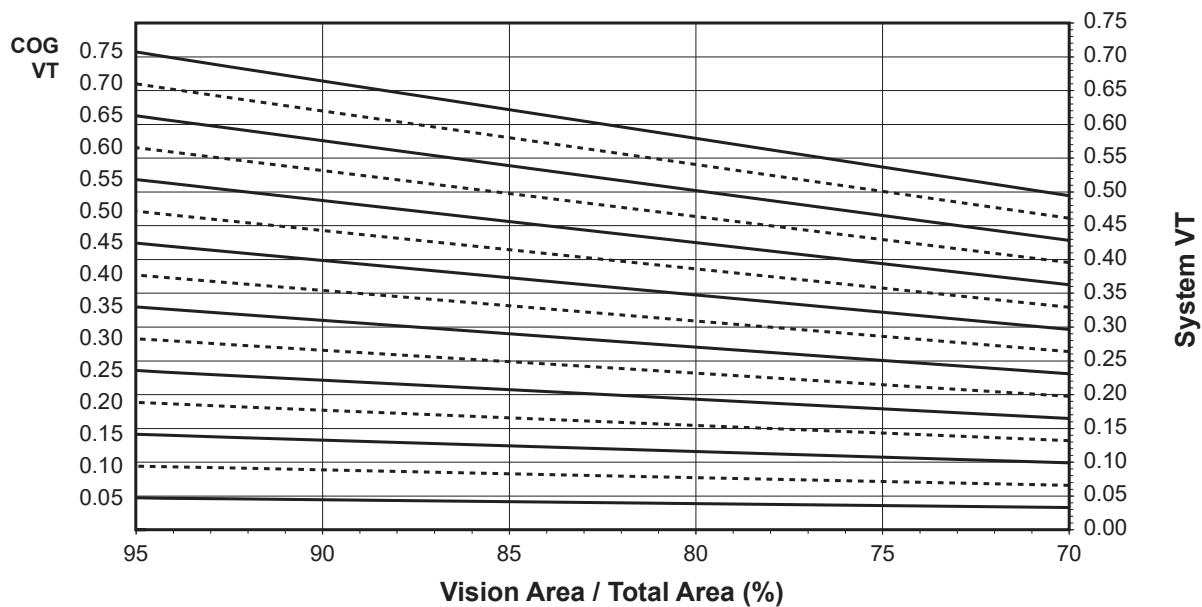
Glass properties are based on center of glass values and are obtained from your glass supplier.

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

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



System Visible Transmittance (VT) vs Percent of Vision Area



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Thermal Transmittance ¹ (BTU/hr • ft² • °F)

Glass U-Factor ³	Overall U-Factor ⁴
0.48	0.51
0.46	0.49
0.44	0.47
0.42	0.45
0.40	0.43
0.38	0.42
0.36	0.40
0.34	0.38
0.32	0.36
0.30	0.35
0.28	0.33
0.26	0.31
0.24	0.29
0.22	0.28
0.20	0.26
0.18	0.24
0.16	0.22
0.14	0.20
0.12	0.19
0.10	0.17

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

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

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

SHGC Matrix ²

Glass SHGC ³	Overall SHGC ⁴
0.75	0.69
0.70	0.65
0.65	0.60
0.60	0.55
0.55	0.51
0.50	0.46
0.45	0.42
0.40	0.37
0.35	0.33
0.30	0.28
0.25	0.23
0.20	0.19
0.15	0.14
0.10	0.10
0.05	0.05

Visible Transmittance ²

Glass VT ³	Overall VT ⁴
0.75	0.69
0.70	0.64
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

Fiberglass Pressure Plate 1" Double Glazed - Aluminum Glazing Spacer

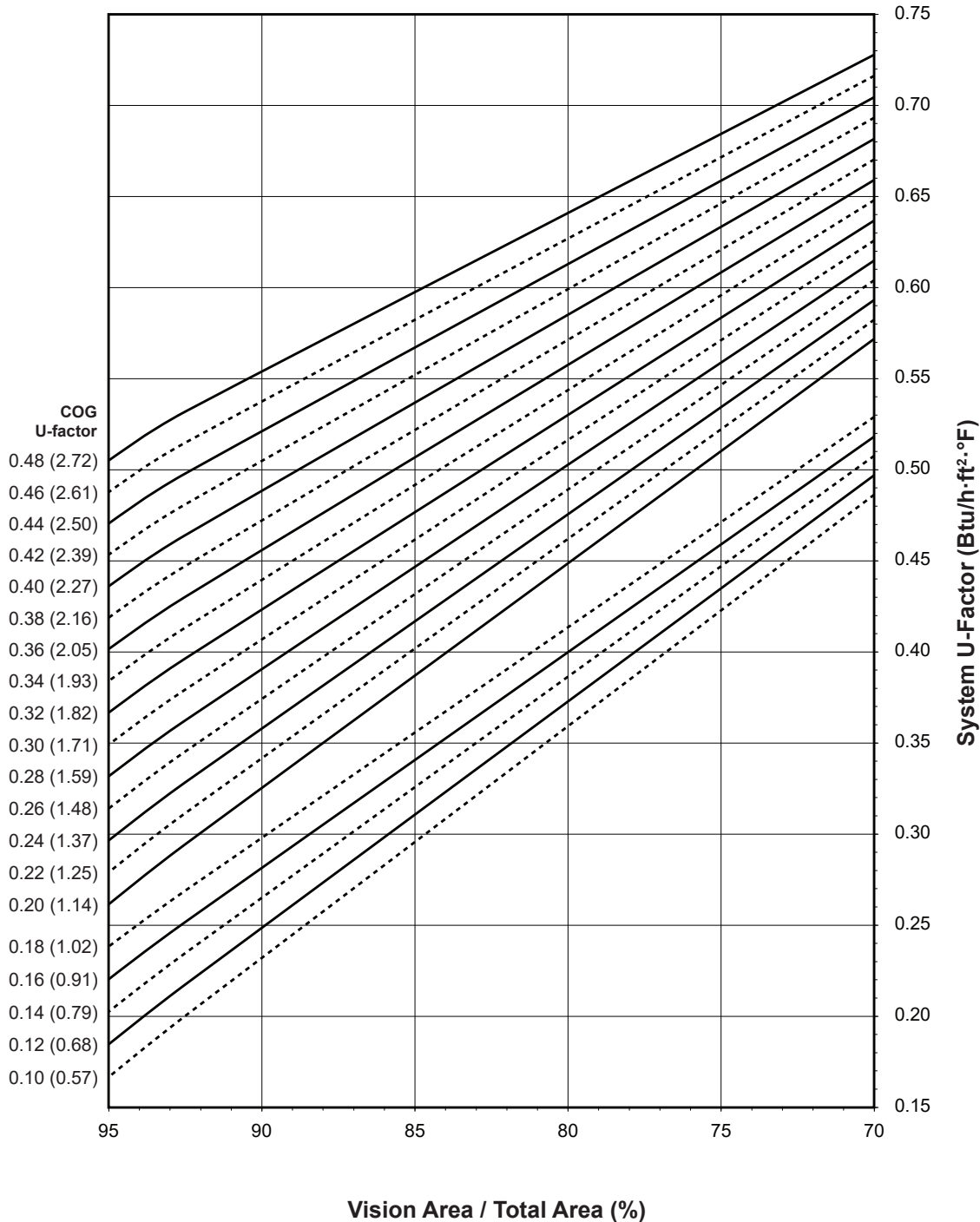
Note:

Values in parentheses are metric.

COG = Center of Glass.

Charts are generated per AMMA 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.

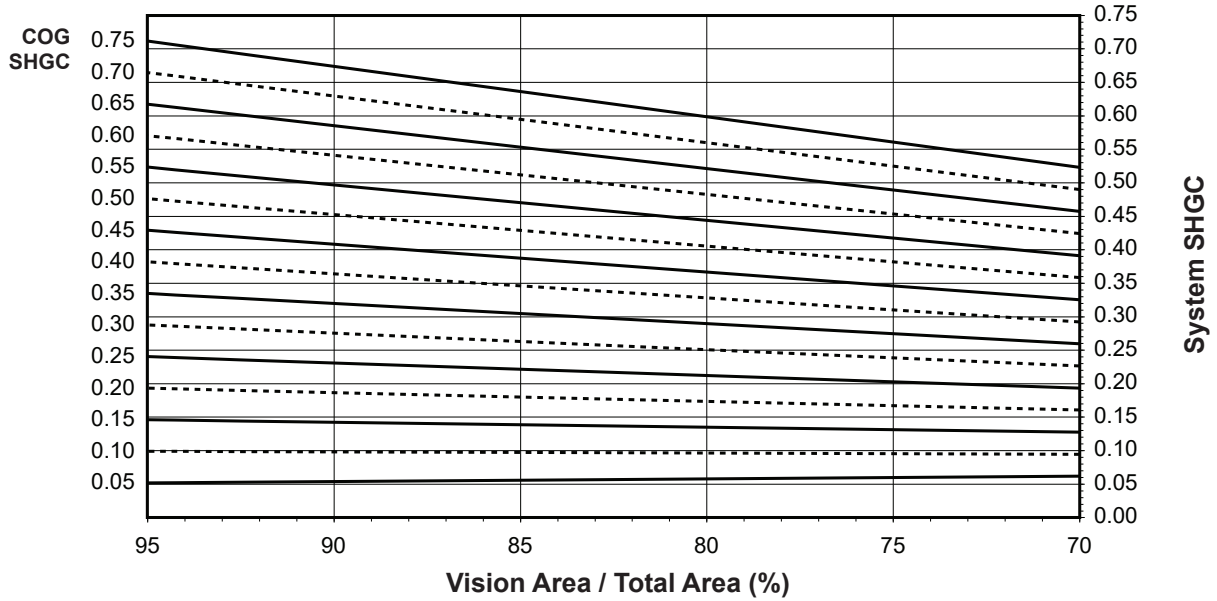
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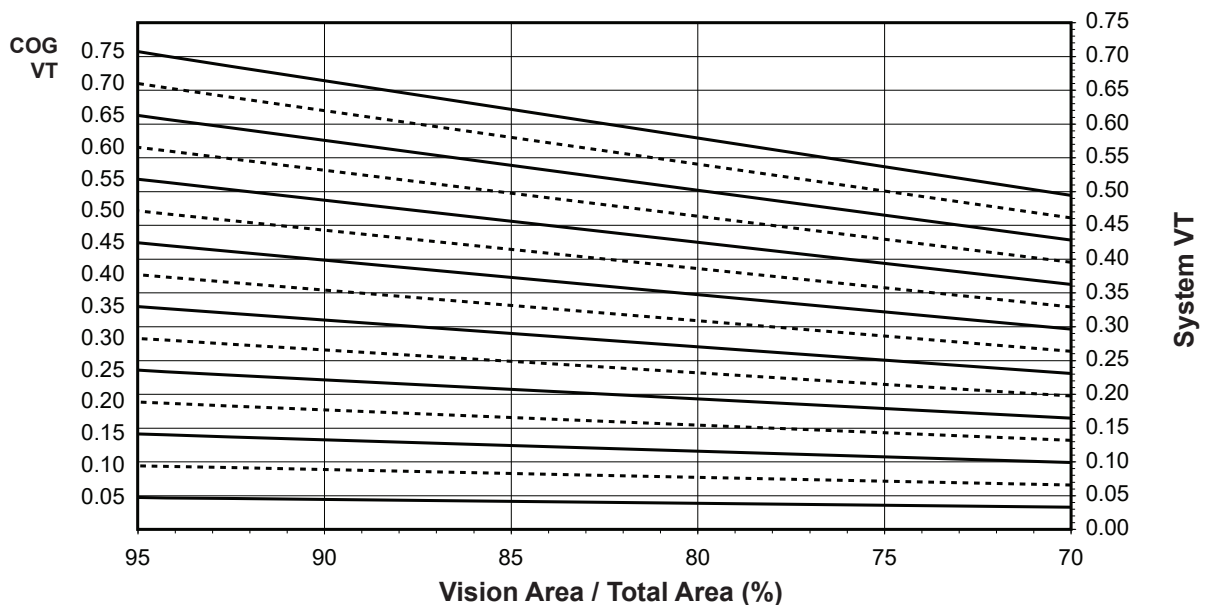
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Fiberglass Pressure Plate 1" Double Glazed - Aluminum Glazing Spacer

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



System Visible Transmittance (VT) vs Percent of Vision Area



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Thermal Transmittance ¹ (BTU/hr • ft² • °F)

Glass U-Factor ³	Overall U-Factor ⁴
0.48	0.53
0.46	0.51
0.44	0.50
0.42	0.48
0.40	0.46
0.38	0.45
0.36	0.43
0.34	0.41
0.32	0.40
0.30	0.38
0.28	0.36
0.26	0.35
0.24	0.33
0.22	0.31
0.20	0.29
0.18	0.27
0.16	0.25
0.14	0.23
0.12	0.22
0.10	0.20

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

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

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

SHGC Matrix ²

Glass SHGC ³	Overall SHGC ⁴
0.75	0.69
0.70	0.65
0.65	0.60
0.60	0.56
0.55	0.51
0.50	0.46
0.45	0.42
0.40	0.37
0.35	0.33
0.30	0.28
0.25	0.24
0.20	0.19
0.15	0.14
0.10	0.10
0.05	0.05

Visible Transmittance ²

Glass VT ³	Overall VT ⁴
0.75	0.69
0.70	0.64
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

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

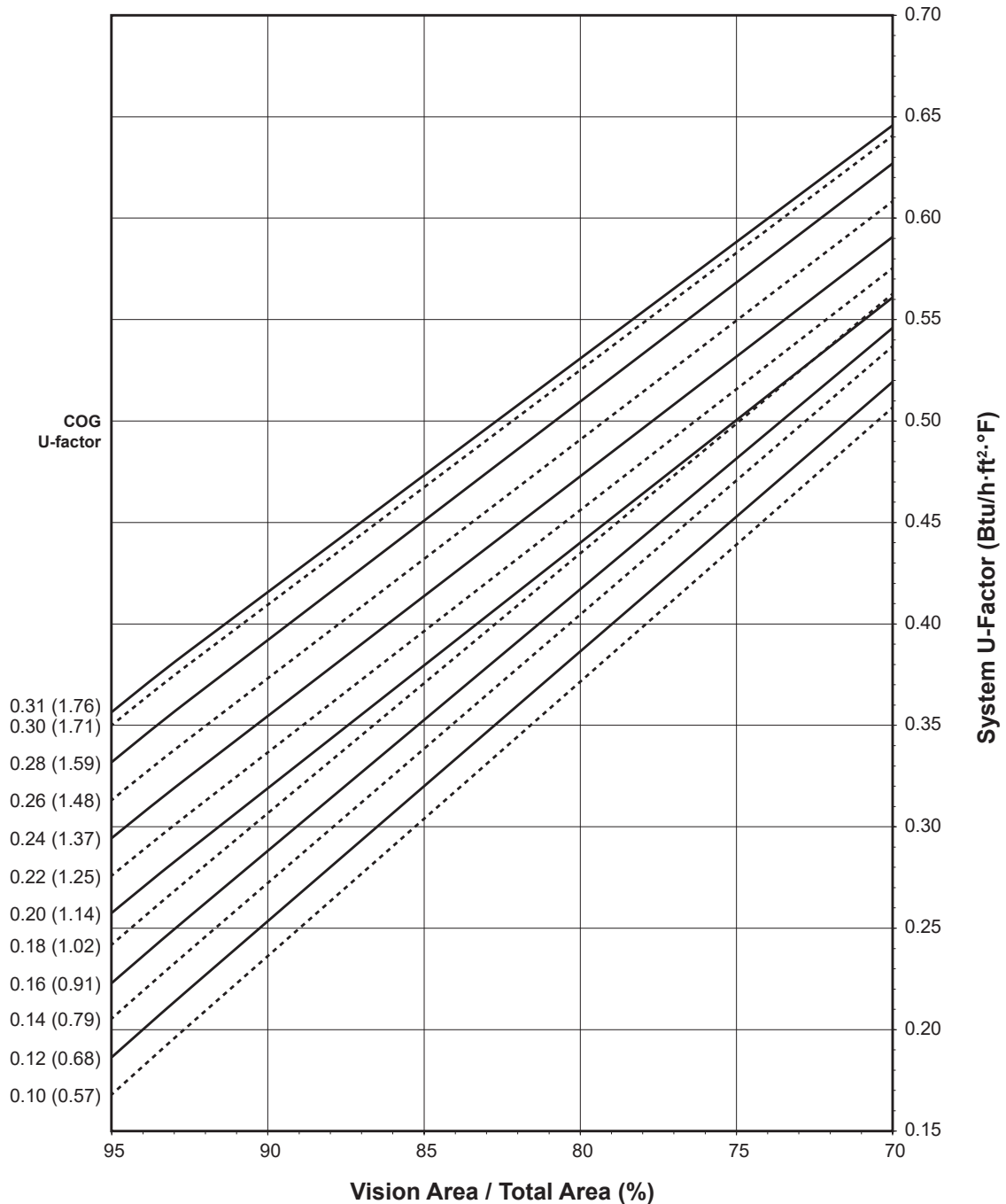
Note:

Values in parentheses are metric.

COG = Center of Glass.

Charts are generated per AAMA 507

System U-Factor for Vision Glass

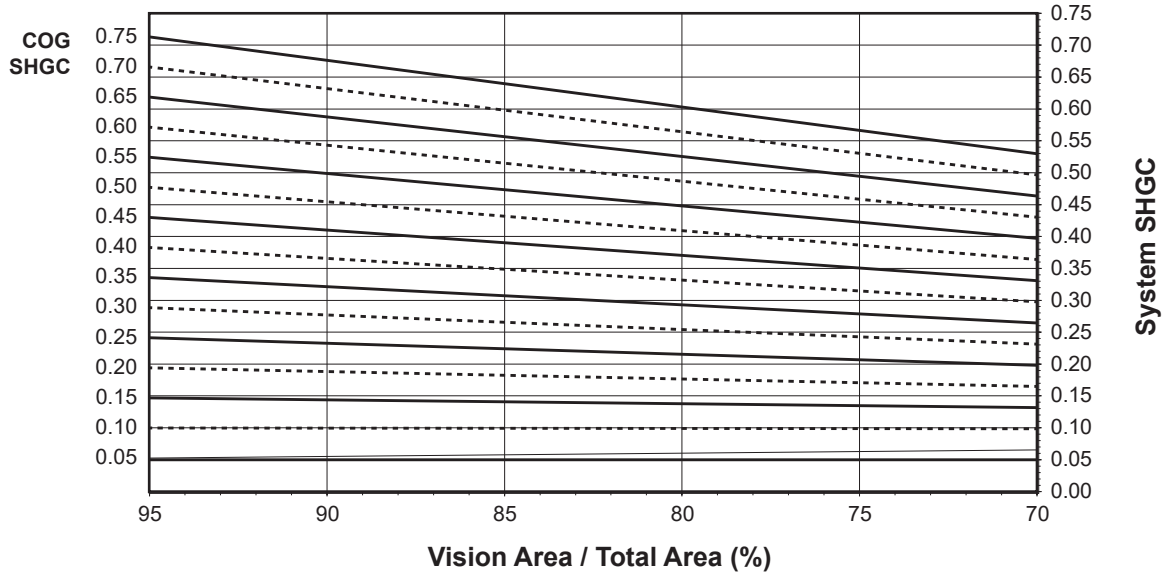
**Notes for System U-Factor, SHGC and VT charts:**

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

Glass properties are based on center of glass values (winter conditions) and are obtained from your glass supplier.

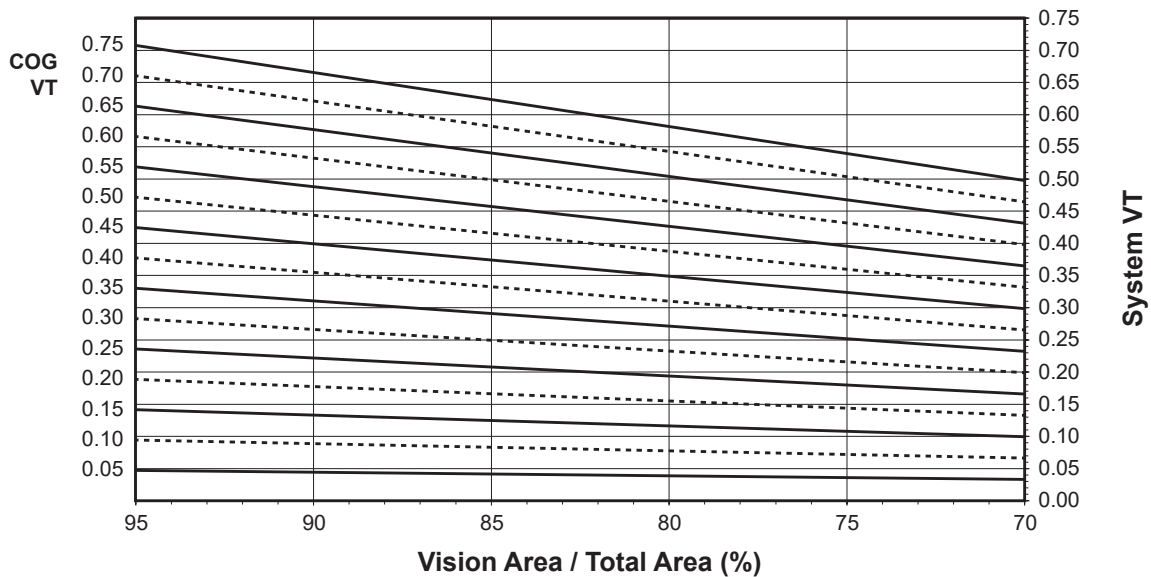
**Aluminum Pressure Plate
1-3/4" Triple Glazed - Warm-Edge Glazing Spacer**

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



Charts are generated per AAMA 507.

System Visible Transmittance (VT) vs Percent of Vision Area



Charts are generated per AAMA 507.

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Thermal Transmittance ¹ (BTU/hr • ft² • °F)

Glass U-Factor ³	Overall U-Factor ⁴
0.31	0.39
0.30	0.38
0.28	0.36
0.26	0.34
0.24	0.32
0.22	0.31
0.20	0.29
0.18	0.27
0.16	0.26
0.14	0.24
0.12	0.22
0.10	0.20

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

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

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

SHGC Matrix ²

Glass SHGC ³	Overall SHGC ⁴
0.75	0.69
0.70	0.65
0.65	0.60
0.60	0.56
0.55	0.51
0.50	0.47
0.45	0.42
0.40	0.37
0.35	0.33
0.30	0.28
0.25	0.24
0.20	0.19
0.15	0.15
0.10	0.10
0.05	0.05

Visible Transmittance ²

Glass VT ³	Overall VT ⁴
0.75	0.69
0.70	0.64
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

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

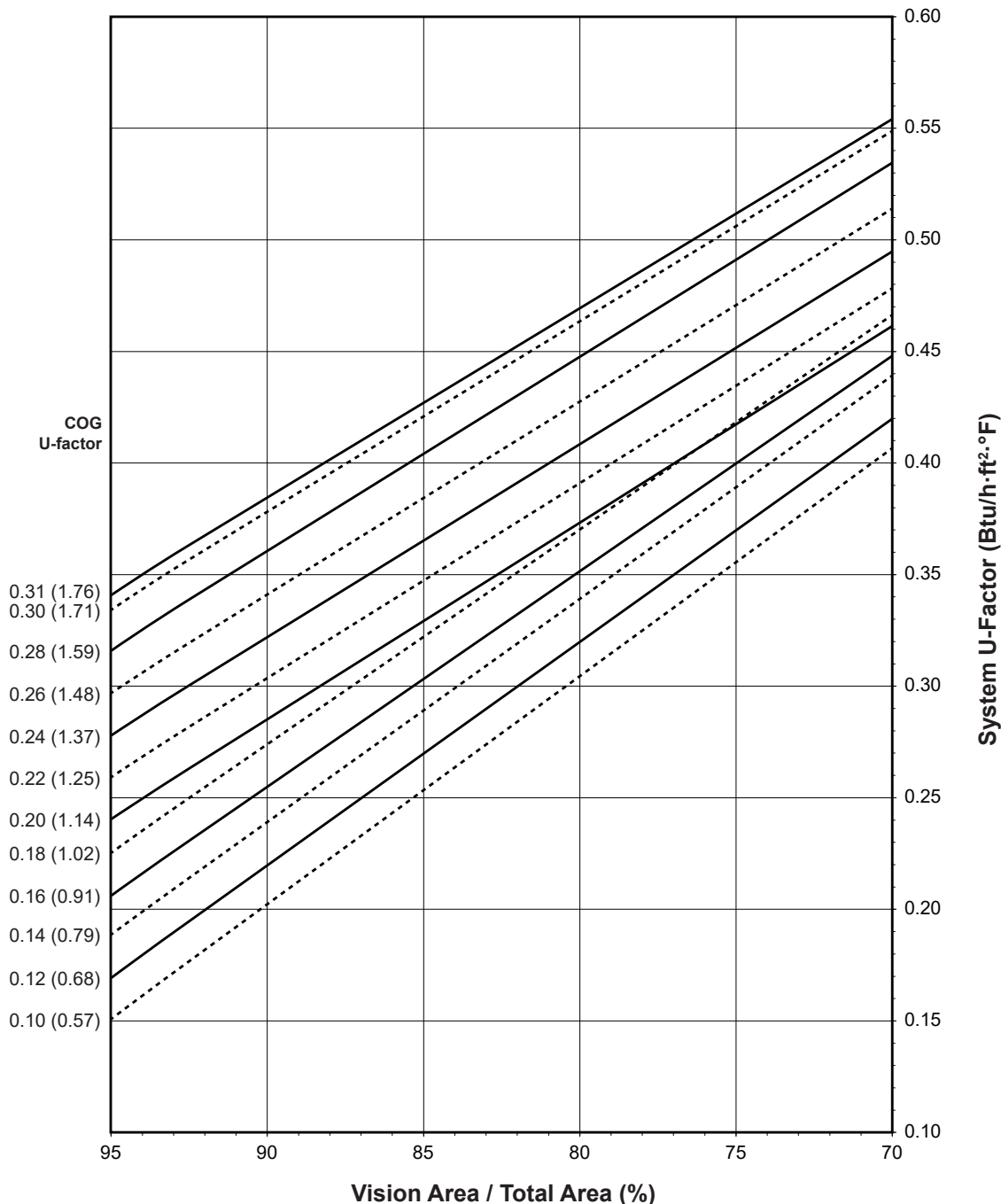
Note:

Values in parentheses are metric.

COG = Center of Glass.

Charts are generated per AAMA 507

System U-Factor for Vision Glass

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

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

Glass properties are based on center of glass values (winter conditions) and are obtained from your glass supplier.

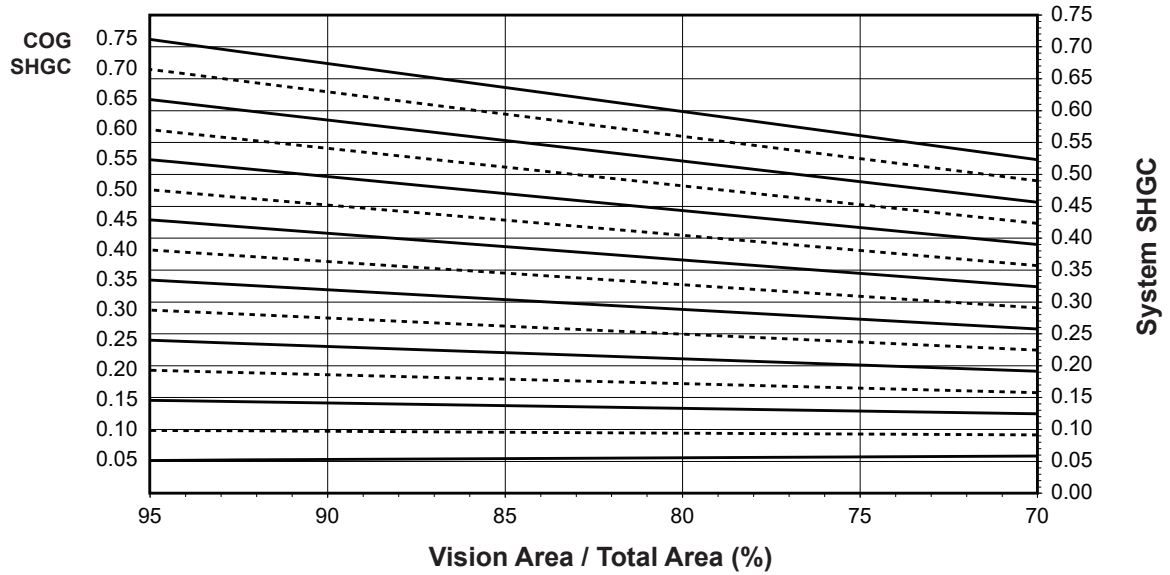
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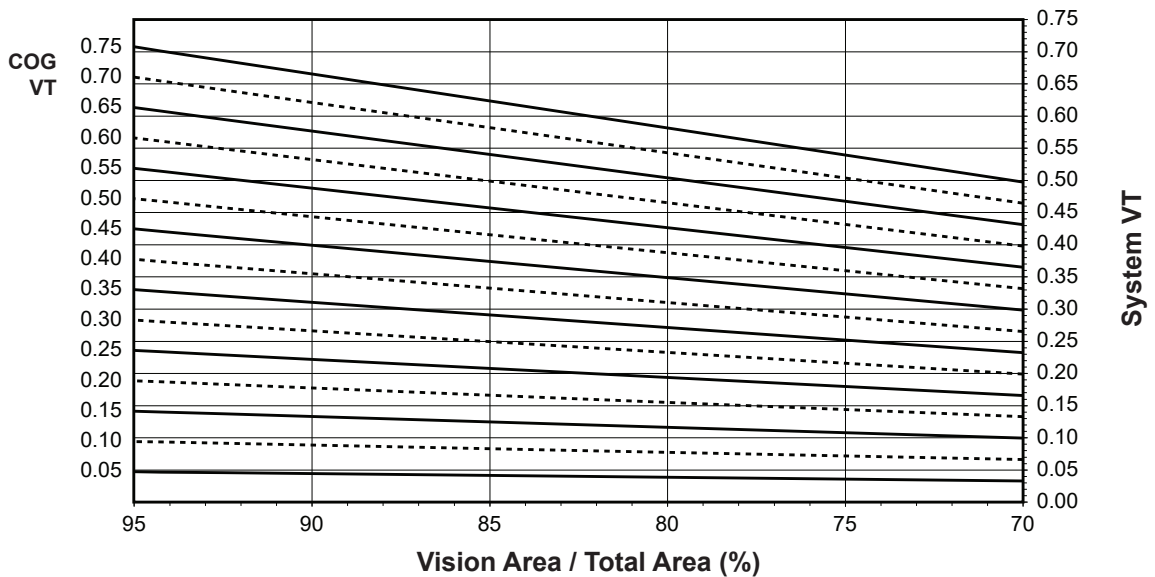
Fiberglass Pressure Plate 1-3/4" Triple Glazed - Warm-Edge Glazing Spacer

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



Charts are generated per AAMA 507.

System Visible Transmittance (VT) vs Percent of Vision Area



Charts are generated per AAMA 507.

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Thermal Transmittance ¹ (BTU/hr • ft² • °F)

Glass U-Factor ³	Overall U-Factor ⁴
0.31	0.36
0.30	0.36
0.28	0.34
0.26	0.32
0.24	0.30
0.22	0.28
0.20	0.26
0.18	0.25
0.16	0.23
0.14	0.21
0.12	0.19
0.10	0.18

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

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

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

SHGC Matrix ²

Glass SHGC ³	Overall SHGC ⁴
0.75	0.69
0.70	0.65
0.65	0.60
0.60	0.56
0.55	0.51
0.50	0.46
0.45	0.42
0.40	0.37
0.35	0.33
0.30	0.28
0.25	0.24
0.20	0.19
0.15	0.14
0.10	0.10
0.05	0.05

Visible Transmittance ²

Glass VT ³	Overall VT ⁴
0.75	0.69
0.70	0.64
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

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CONDENSATION RESISTANCE

Glazing Infill	Pressure Plate Type	Condensation Resistance Factor (CRF) AAMA 1503		Temperature Index (TI) CSA A440-0	
		Frame	Glass	Frame	Glass
1" Double	Aluminum	77	71	73	67
1-3/4" Triple	Aluminum	80	80	72	75

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