FEATURES FRONT SET

Features

- Trifab® VersaGlaze® 601/601T/601UT is 6" (152.4) deep with a 2" (50.8) sightline
- · Front glass applications
- Flush glazed from either the inside or outside
- · Screw Spline, Shear Block, and Stick (Standard and SSG) fabrication
- Dual IsoLock® lanced and debridged thermal break
- Infill options up to 1-1/8" (28.6) thickness
- · High performance sill flashing
- Permanodic[®] anodized finishes option
- Painted finishes in standard and custom choices

Optional Features

- Acoustical rating per AAMA 1801 and ASTM E 1425
- Project specific U-factors (See Thermal Charts)
- Profit\$Maker® Plus die sets available

Product Applications

- · Storefront, Ribbon Window, or Punched Openings
- · Single-span
- Integrated entrance framing allowing Kawneer standard entrances or other specialty entrances to be incorporated
- Kawneer windows or GLASSvent® Windows for Storefront Framing, or GLASSvent® UT Window are easily incorporated.

For specific product applications, consult your Kawneer representative.



DECEMBER, 2023

FRONT SET

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EC 97911-302

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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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



DECEMBER, 2023

FRONT SET

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EC 97911-302

Laws and building and safety codes governing the design and use of Kawneer products, varued sa 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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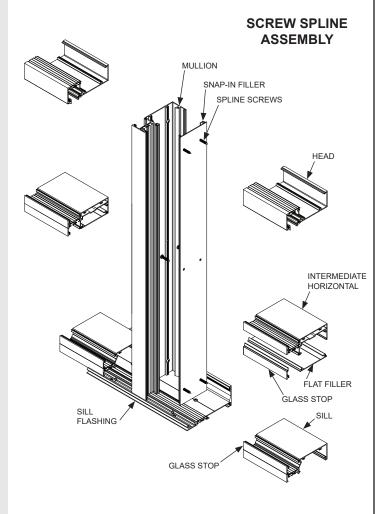


Laws and building and safety codes governing the design and use of Kawneer products, vary and safed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

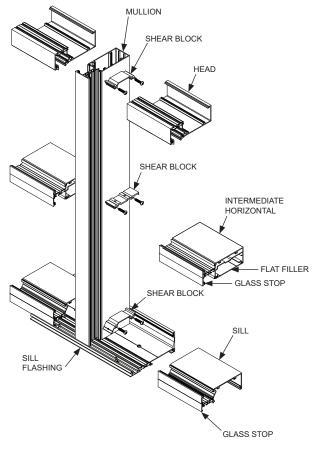
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The split vertical in the Screw Spline system allows a frame to be installed from unitized assemblies. Screws are driven through the back of the verticals into splines extruded in the horizontal framing members. The Individual units are then snapped together to form a complete frame.

The Shear Block system of fabrication allows a frame to be preassembled as a single unit. Horizontals are attached to the verticals with shear blocks.



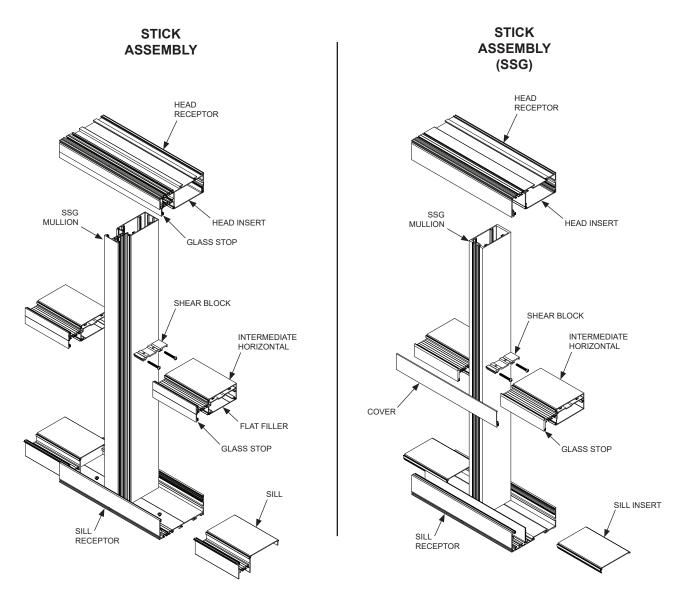
SHEAR BLOCK ASSEMBLY



PICTORIAL VIEW

EC 97911-302

The Stick system allows on-site construction. Head and sill receptors are fastened to the surround. Vertical mullions are then installed in these receptors and are held in place by snap-in inserts. Intermediate horizontal members are attached to the verticals with shear blocks. Flashing is not required.



NOTE:

If the end reaction of the mullion (mullion spacing (ft.) times height (ft.) times specified wind load (psf) divided by two) is more than 500 lbs., the optional mullion anchors must be used. (See page 15)

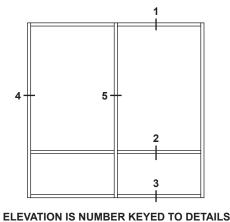


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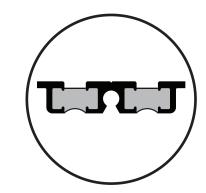
BASIC FRAMING DETAILS (Inside Glazed)

© 2020, Kawneer Company, Inc.

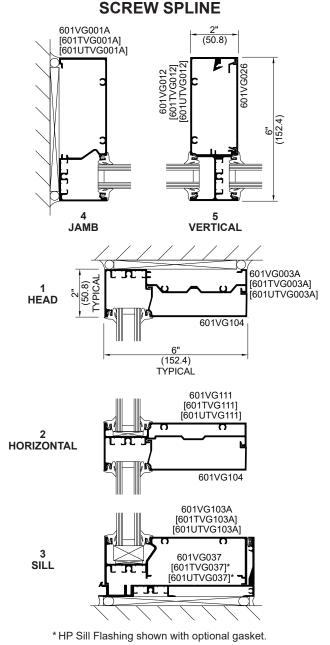
Additional information and CAD details are available at www.kawneer.com

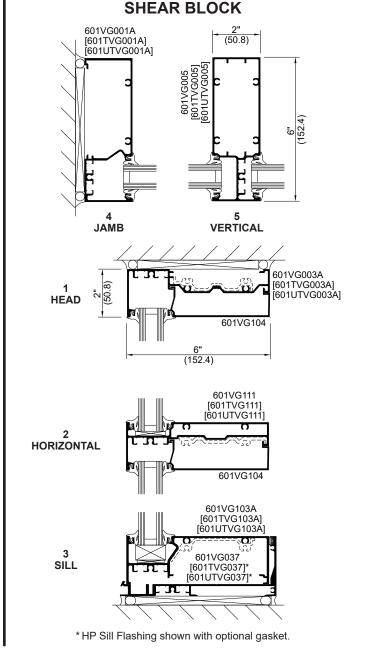






Trifab® VG 601UT Dual IsoLock® **Thermal Break** Part Number Prefix: [601UTVG...]

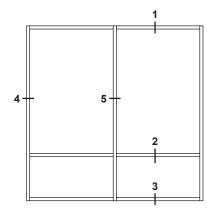




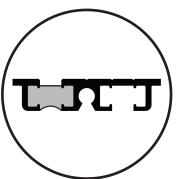
BASIC FRAMING DETAILS (Outside Glazed - Stops Down)

EC 97911-302

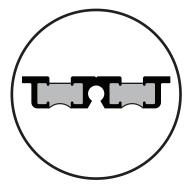
Additional information and CAD details are available at www.kawneer.com



ELEVATION IS NUMBER KEYED TO DETAILS

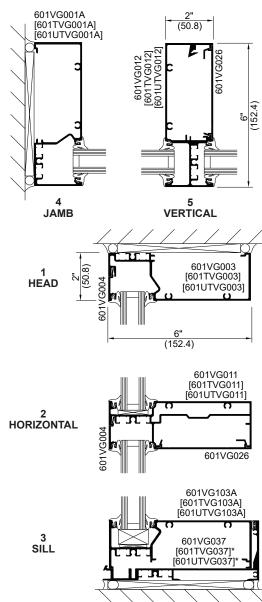


Trifab® VG 601T IsoLock® Thermal Break Part Number Prefix: [601TVG...]



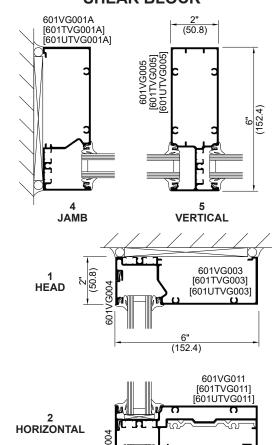
Trifab® VG 601UT Dual IsoLock® Thermal Break Part Number Prefix: [601UTVG...]

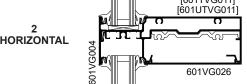
SCREW SPLINE

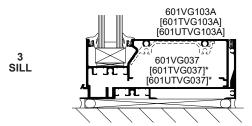


* HP Sill Flashing shown with optional gasket.

SHEAR BLOCK







* HP Sill Flashing shown with optional gasket.



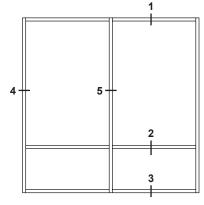
Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

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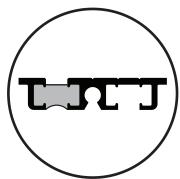
Laws and building and safety codes governing the design and use of Kawneer products, vary widely. Kawneer does not source a glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and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

BASIC FRAMING DETAILS (Outside Glazed - Stops Up)

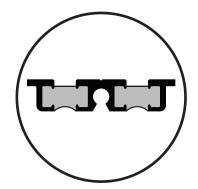
Additional information and CAD details are available at www.kawneer.com



ELEVATION IS NUMBER KEYED TO DETAILS



Trifab® VG 601T IsoLock® **Thermal Break** Part Number Prefix: [601TVG...]



Trifab® VG 601UT Dual IsoLock® **Thermal Break** Part Number Prefix: [601UTVG...]

5 VERTICAL

6" (152.4)

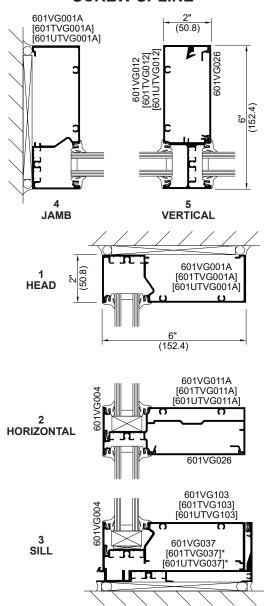
601VG001A [601TVG001A] [601UTVG001A]

6" 152.4)

SHEAR BLOCK

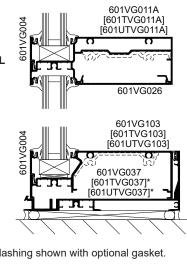
601VG005 [601TVG005] 601UTVG005]

SCREW SPLINE



601VG001A [601TVG001A] [601UTVG001A] **JAMB HEAD** HORIZONTAL 3 SILL

50



* HP Sill Flashing shown with optional gasket.

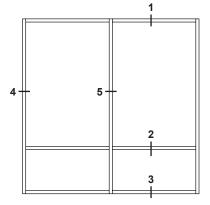


* HP Sill Flashing shown with optional gasket.

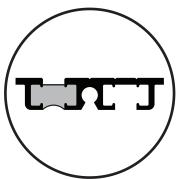
STANDARD STICK (Inside Glazed)

EC 97911-302

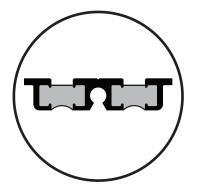
Additional information and CAD details are available at www.kawneer.com



ELEVATION IS NUMBER KEYED TO DETAILS

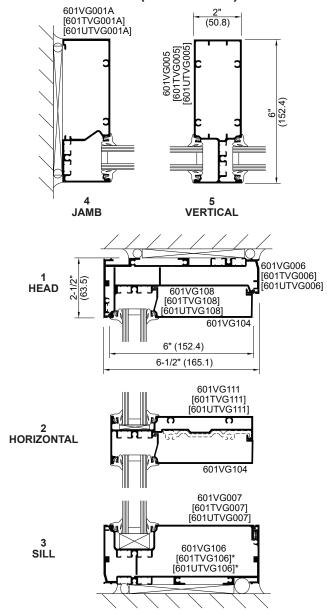


Trifab® VG 601T IsoLock® Thermal Break Part Number Prefix: [601TVG...]



Trifab® VG 601UT Dual IsoLock® Thermal Break Part Number Prefix: [601UTVG...]

STICK (STANDARD)



^{*} Sill Receptor shown with optional gasket.

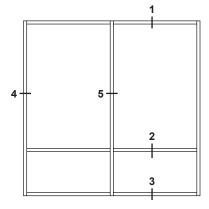


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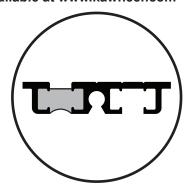
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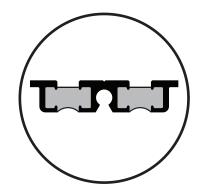
Additional information and CAD details are available at www.kawneer.com



ELEVATION IS NUMBER KEYED TO DETAILS

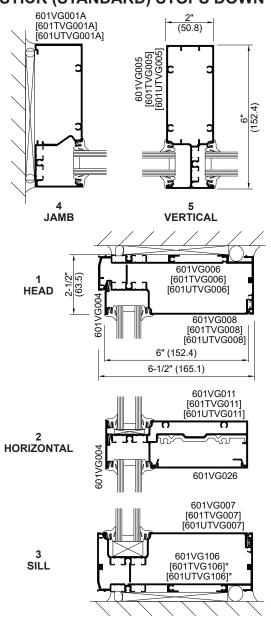


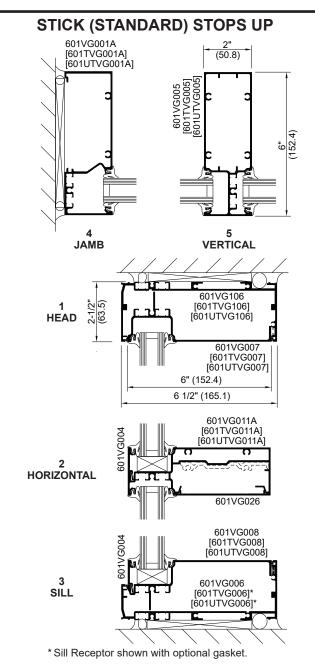
Trifab® VG 601T IsoLock® **Thermal Break** Part Number Prefix: [601TVG...]



Trifab® VG 601UT Dual IsoLock® **Thermal Break** Part Number Prefix: [601UTVG...]

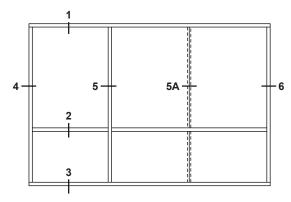
STICK (STANDARD) STOPS DOWN



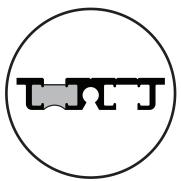


* Sill Receptor shown with optional gasket.

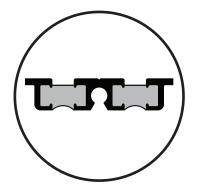
Additional information and CAD details are available at www.kawneer.com



ELEVATION IS NUMBER KEYED TO DETAILS

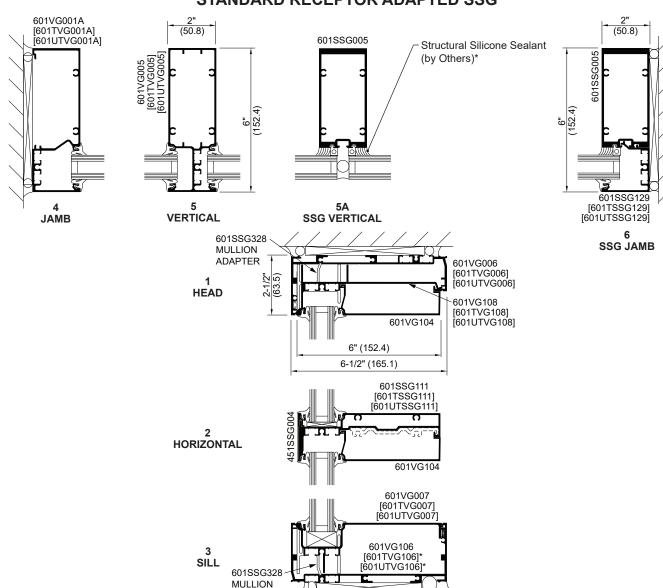


Trifab® VG 601T IsoLock®
Thermal Break
Part Number Prefix: [601TVG...]



Trifab® VG 601UT Dual IsoLock® Thermal Break Part Number Prefix: [601UTVG...]

STANDARD STICK (INSIDE GLAZED) STANDARD RECEPTOR ADAPTED SSG



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

ADAPTER



* Sill Receptor shown with optional gasket.

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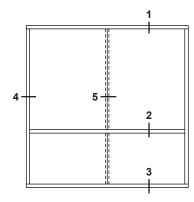
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SSG STICK FRAMING DETAILS (SSG Stick with SSG Receptors)

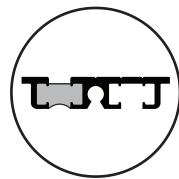
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EC 97911-302

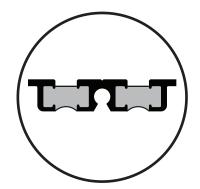
Additional information and CAD details are available at www.kawneer.com



ELEVATION IS NUMBER KEYED TO DETAILS

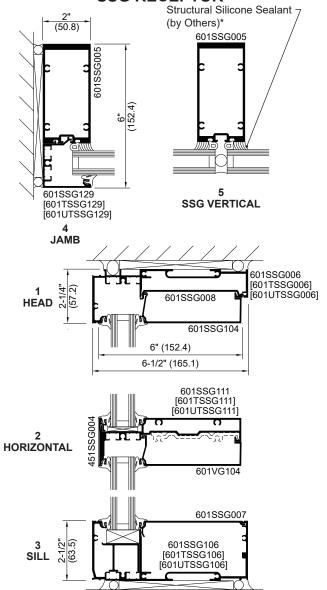


Trifab® VG 601T IsoLock® **Thermal Break** Part Number Prefix: [601TVG...]

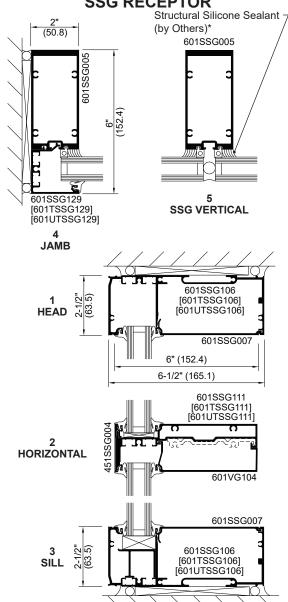


Trifab® VG 601UT Dual IsoLock® **Thermal Break** Part Number Prefix: [601UTVG...]

STICK (INSIDE GLAZED) SSG RECEPTOR



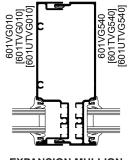
STICK (OUTSIDE GLAZED) **SSG RECEPTOR**

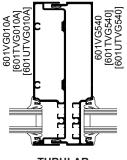


^{*} INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

KAWNEER

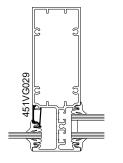
Additional information and CAD details are available at www.kawneer.com



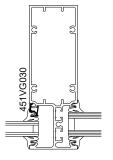


TUBULAR EXPANSION MULLION WITH STEEL

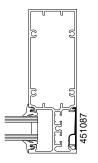




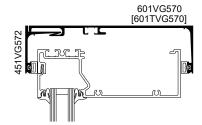
1/4" (6.4) INFILL SNAP-IN ADAPTOR



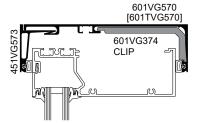
5/8" (15.9) INFILL SNAP-IN ADAPTOR



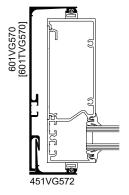
SNAP-IN FLAT FILLER



STANDARD - HEAD COMPENSATING RECEPTOR (EXTERIOR INSTALLED)



HEAVY WEIGHT - HEAD COMPENSATING RECEPTOR (EXTERIOR INSTALLED)



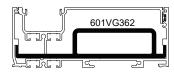
JAMB
COMPENSATING RECEPTOR
(EXTERIOR INSTALLED)



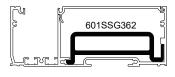
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MULLION ANCHOR



MISCELLANEOUS FRAMING

SSG MULLION ANCHOR

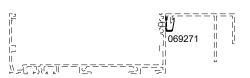
NOTE:

If the end reaction of the mullion (mullion spacing (ft.) times height (ft) times specified wind load (psf), divided by two) is more than 500 LBS., the optional Mullion Anchor must be used. Consult Application Engineering.

Mullion Anchor not used with Lightweight Receptor.



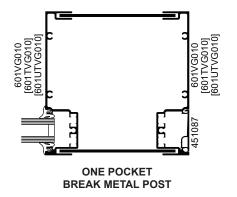
with HP FLASHING

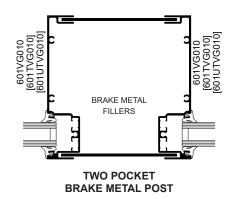


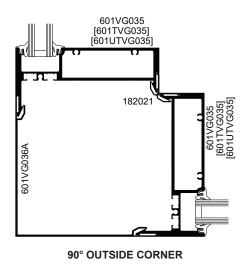
STOOL TRIM CLIP FOR STICK ASSEMBLY

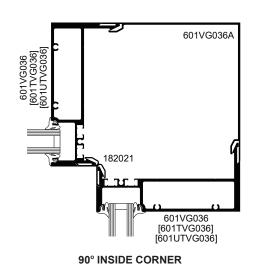


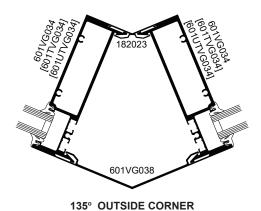
Additional information and CAD details are available at www.kawneer.com

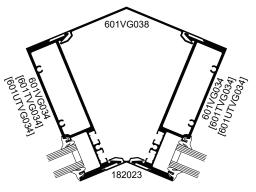














135° INSIDE CORNER

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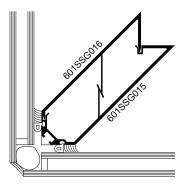
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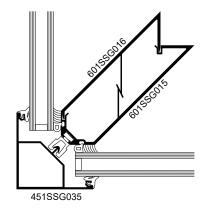
EC 97911-302

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

SSG CORNERS

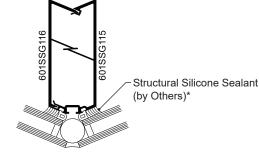


90° OUTSIDE SSG CORNER

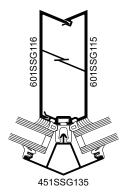


CORNERS (Stick SSG)

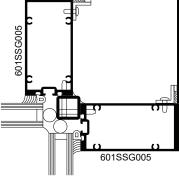
90° OUTSIDE SSG DART CORNER

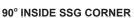


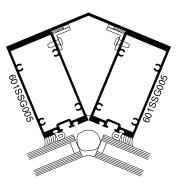
135° OUTSIDE SSG CORNER



135° OUTSIDE SSG DART CORNER







135° INSIDE SSG CORNER

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

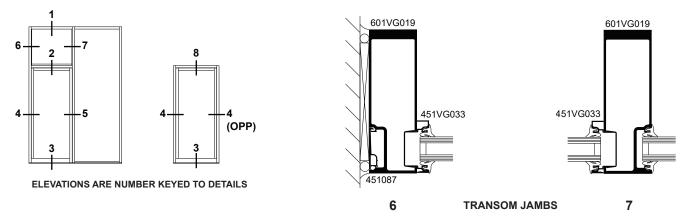
ENTRANCE FRAMING

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

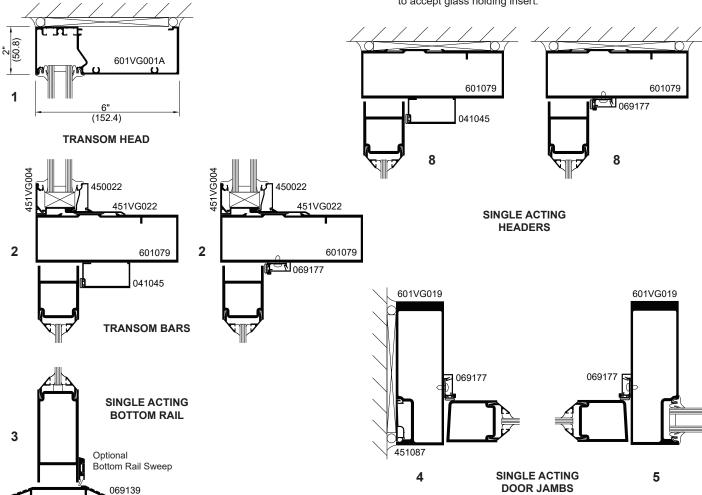
Trifab® VersaGlaze® 601 FRAMING INCORPORATING KAWNEER "190" DOORS.

DOOR FRAMING NON-THERMAL

NOTE: OTHER TYPES OF KAWNEER DOORS MAY BE USED WITH THIS FRAMING SYSTEM. SEE ENTRANCE DETAILS FOR ADDITIONAL INFORMATION.



Transom area for both double or single acting doors with glass surround. Jambs above transom bar are routed out to accept glass holding insert.





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ENTRANCE FRAMING

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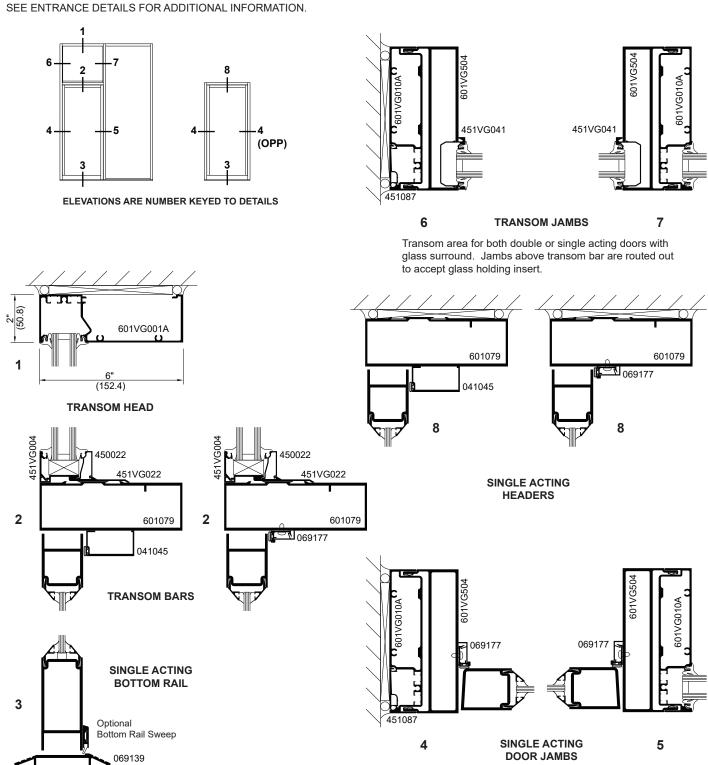
EC 97911-302

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

Trifab® VersaGlaze® 601 FRAMING INCORPORATING KAWNEER "190" DOORS.

DOOR FRAMING NON-THERMAL

NOTE: OTHER TYPES OF KAWNEER DOORS MAY BE USED WITH THIS FRAMING SYSTEM. SEE ENTRANCE DETAILS FOR ADDITIONAL INFORMATION



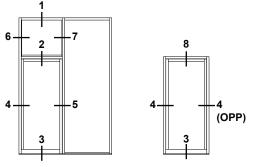


Additional information and CAD details are available at www.kawneer.com

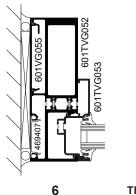
Trifab® VersaGlaze® 601UT FRAMING INCORPORATING KAWNEER 250T INSULPOUR® THERMAL ENTRANCE.

DOOR FRAMING THERMAL

NOTE: OTHER TYPES OF KAWNEER DOORS MAY BE USED WITH THIS FRAMING SYSTEM. SEE ENTRANCE DETAILS FOR ADDITIONAL INFORMATION.

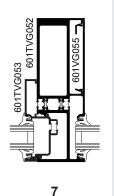






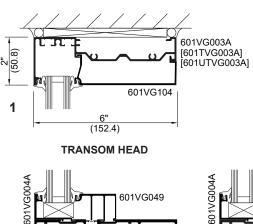
TRANSOM JAMBS

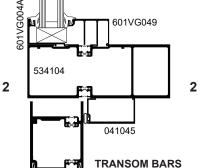
to accept glass holding insert.

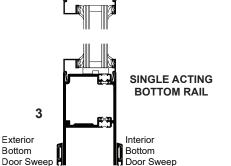


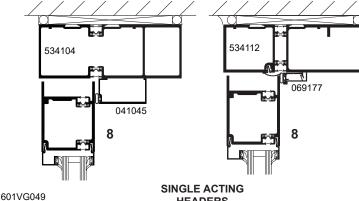
Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials,

Transom area for both double or single acting doors with glass surround. Jambs above transom bar are routed out

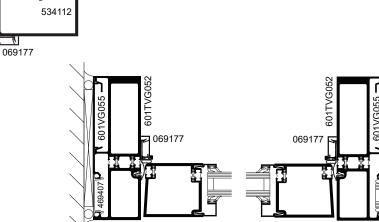








HEADERS



SINGLE ACTING 5 **DOOR JAMBS**

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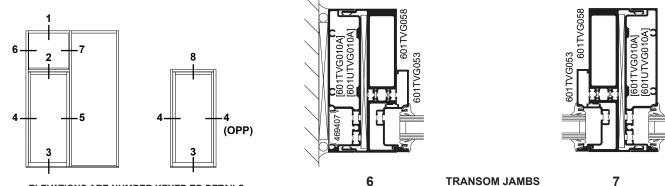
FRONT SET

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

Trifab® VersaGlaze® 601UT FRAMING INCORPORATING KAWNEER 250T INSULPOUR® THERMAL ENTRANCE.

DOOR FRAMING THERMAL

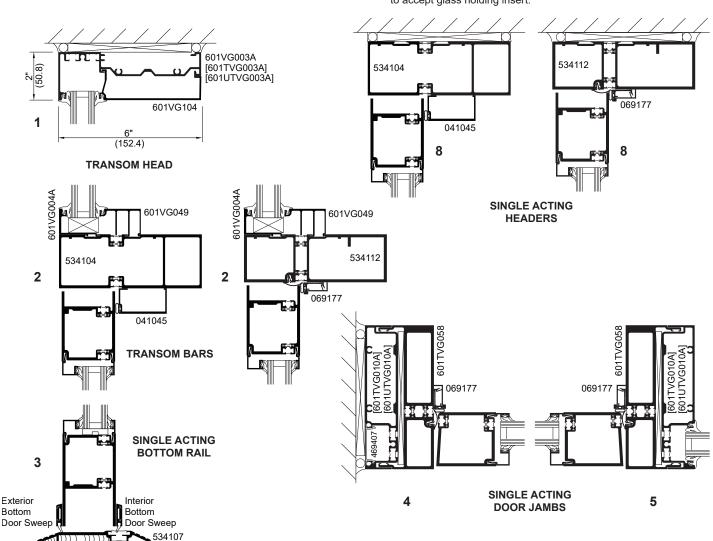
NOTE: OTHER TYPES OF KAWNEER DOORS MAY BE USED WITH THIS FRAMING SYSTEM. SEE ENTRANCE DETAILS FOR ADDITIONAL INFORMATION.



ELEVATIONS ARE NUMBER KEYED TO DETAILS

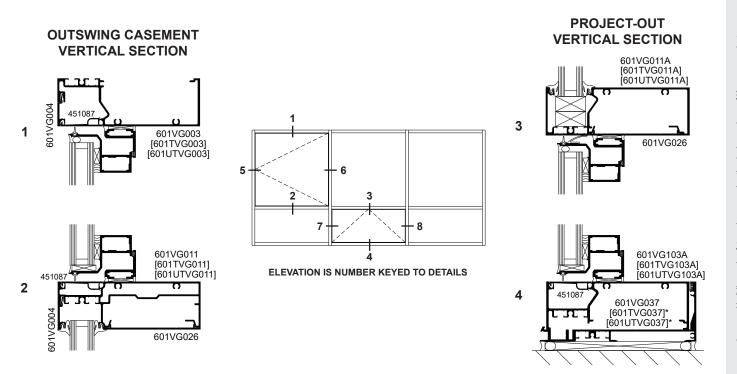
Transom area for both double or single acting doors with glass surround. Jambs above transom bar are routed out to accept glass holding insert.

ENTRANCE FRAMING



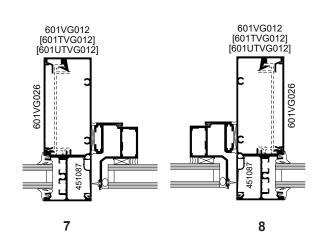


Additional information and CAD details are available at www.kawneer.com



OUTSWING CASEMENT HORIZONTAL SECTION

PROJECT-OUT HORIZONTAL SECTION



NOTE: Black spacer is recommended when 1" insulating glass is used.

6



5

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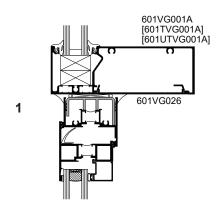
^{*} INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the Structural Silicone Manufacturer and the Insulating Glass Unit Manufacturer.

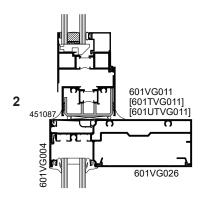
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EC 97911-302

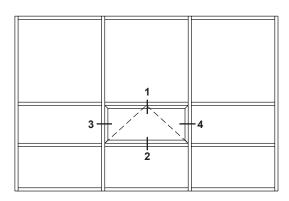
Additional information and CAD details are available at www.kawneer.com

PROJECT-OUT VERTICAL SECTION

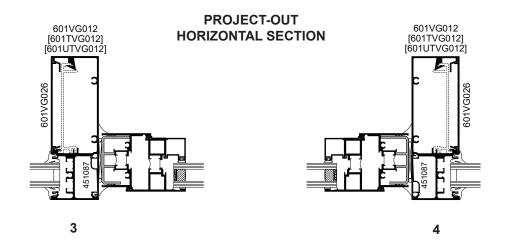




8225TL THERMAL WINDOWS SHOWN NOTE: OTHER VENT TYPES CAN BE ACCOMMODATED, CONSULT YOUR KAWNEER REPRESENTATIVE FOR OTHER OPTIONS



ELEVATION IS NUMBER KEYED TO DETAILS





INDEX (CHARTS)

EC 97911-302

WIND LOAD CHARTS TF VG 601 (Non-Thermal)......26-33 TF VG 601T (Thermal).......34-42 TF VG 601UT (Ultra Thermal).......43-49 TF VG 601/601T/601UT (SSG Mullions)......50 **DEADLOAD CHARTS** TF VG 601/601T/601UT 51-52 THERMAL CHARTS EXAMPLE CALCULATION......53 TF VG 601 (Non-Thermal)......54-59 TF VG 601T (Thermal)...... 60-65 TF VG 601UT (Ultra Thermal)...... 66-71

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WIND LOAD / DEADLOAD CHARTS

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FRONT SET

WIND LOAD CHARTS

Mullions are designed for deflection limitations in accordance with AAMA TIR-A11 of L/175 up to 13' 6" and L/240 +1/4" above 13' 6". These curves are for mullions WITH HORIZONTALS and are based on engineering calculations for stress and deflection. Allowable wind load stress for ALUMINUM 15,152 psi (104 MPa), STEEL 30,000 psi (207 MPa). Charted curves, in all cases are for the limiting value. Wind load charts contained herein are based upon nominal wind load utilized in allowable stress design. A conversion from Load Resistance Factor Design (LRFD) is provided. To convert ultimate wind loads to nominal loads, multiply ultimate wind loads by a factor of 0.6 per ASCE/SEI 7. A 4/3 increase in allowable stress has not been used to develop these curves. For special situations not covered by these curves, contact your Kawneer representative for additional information.

If the end reaction of the mullion [mullion spacing (ft.) times height (ft.) times specified wind load (psf) divided by two] is more than 500 lbs., the optional Heavyweight Compensating Receptor Face/Reinforcing Clip (Screw Spline/Shear Block systems) or Mullion Anchors (Stick system) must be used. Consult Application Engineering. (Mullion Anchor not used with Standard Receptor.)

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.

NOTE: Charts are for THERMAL and NON-THERMAL members.

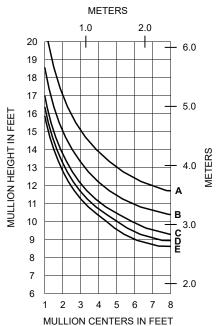


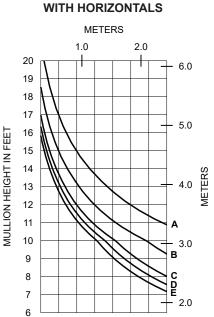
WIND LOAD CHARTS (Non-Thermal)

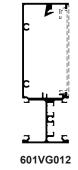
EC 97911-302

	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E =	50 PSF (2400)	83 PSF (4000)

WITHOUT HORIZONTALS





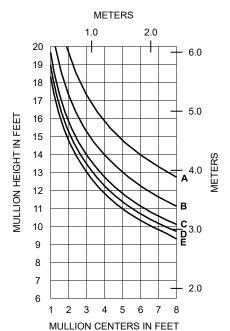


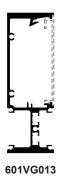
 $I = 6.751 (281.00 \times 10^4)$ $S = 2.037 (33.38 \times 10^3)$

WITH HORIZONTALS

MULLION CENTERS IN FEET

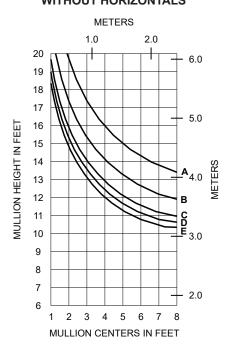
3 4 5 6





I = 10.846 (451.44 x 104) $S = 3.429 (56.19 \times 10^3)$

WITHOUT HORIZONTALS



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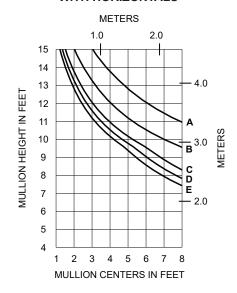
such as glazed entrance, window, and curtain wall control the selection of product configurations, open and assumes no responsibility therefor.

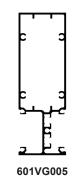
Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

EC 97911-302 WIND LOAD CHARTS (Non-Thermal)

LRFD Ultimate Allowable Stress **Design Load Design Load** A = 20 PSF (960) 33 PSF (1580) B = 30 PSF (1440) 50 PSF (2400) C = 40 PSF (1920) 67 PSF (3200) D= 45 PSF (2160) 75 PSF (3600) E = 50 PSF (2400) 83 PSF (4000)

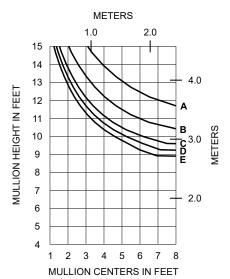
WITH HORIZONTALS



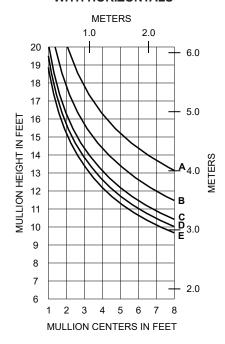


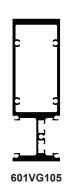
I = 6.881 (286.41 x 10⁴) S = 2.182 (35.76 x 10³)

WITHOUT HORIZONTALS



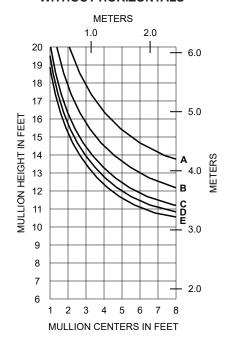
WITH HORIZONTALS





I = 11.863 (493.77 x 10⁴) S = 3.902 (63.94 x 10³)

WITHOUT HORIZONTALS





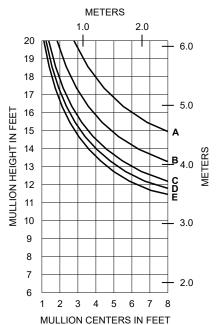
WIND LOAD CHARTS (Non-Thermal)

EC 97911-302

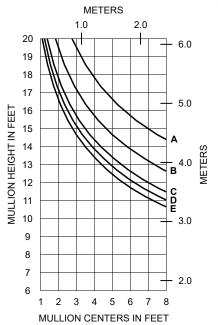
Design Load Design Load A = 20 PSF (960) 33 PSF (1580) B = 30 PSF (1440) 50 PSF (2400) C = 40 PSF (1920) 67 PSF (3200) 75 PSF (3600) D= 45 PSF (2160) E = 50 PSF (2400) 83 PSF (4000)

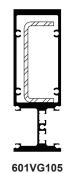
Allowable Stress LRFD Ultimate

WITHOUT HORIZONTALS



WITH HORIZONTALS



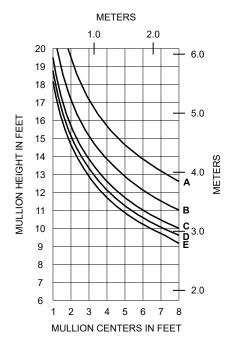


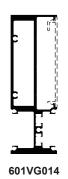
WITH 162303 STEEL

 $I_A = 11.863 (493.77 \times 10^4)$ $\hat{S}_A = 3.902 (63.94 \times 10^3)$

 $I_s = 1.378 (57.36 \times 10^4)$ $S_s = 0.813 (13.32 \times 10^3)$

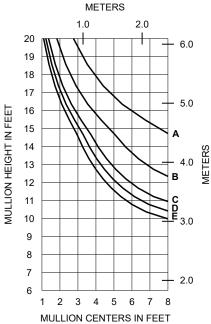
WITH HORIZONTALS





 $I = 10.520 (437.87 \times 10^{4})$ $S = 3.327 (54.52 \times 10^3)$

WITHOUT HORIZONTALS





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such as glazed entrance, window, and curtain wall control the selection of product configurations, open and assumes no responsibility therefor.

WIND LOAD CHARTS (Non-Thermal)

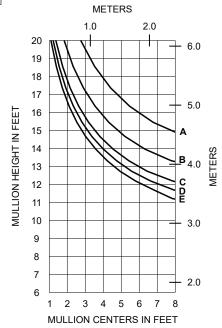
FRONT SET

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

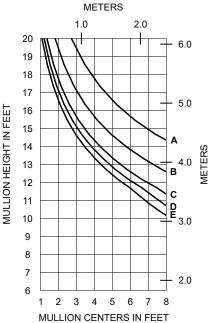
ration without prior notice when deeme	
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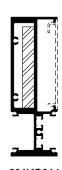
	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E =	50 PSF (2400)	83 PSF (4000)

WITHOUT HORIZONTALS





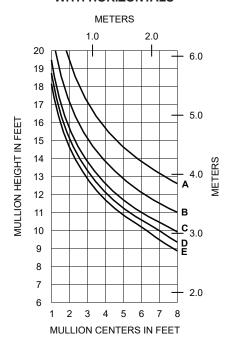


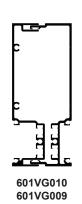


601VG014 **WITH 427219 STEEL**

= 10.520 (437.87 x 104) $S_A = 3.327 (54.52 \times 10^3)$ $I_s = 1.786 (74.34 \times 10^4)$ $S_s = 1.021 (16.73 \times 10^3)$

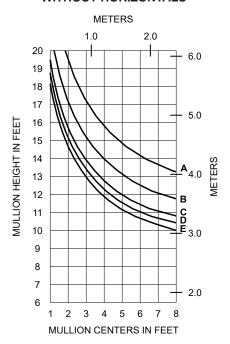
WITH HORIZONTALS





I = 10.471 (435.83 x 104) $S = 3.112 (51.00 \times 10^3)$

WITHOUT HORIZONTALS



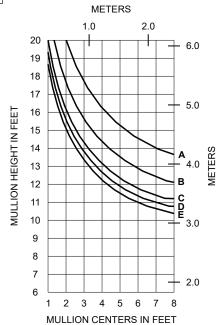


WIND LOAD CHARTS (Non-Thermal)

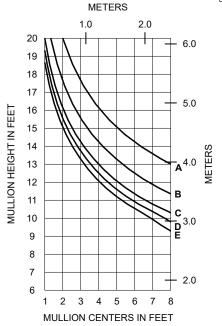
EC 97911-302

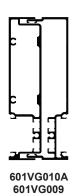
	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E=	50 PSF (2400)	83 PSF (4000)

WITHOUT HORIZONTALS



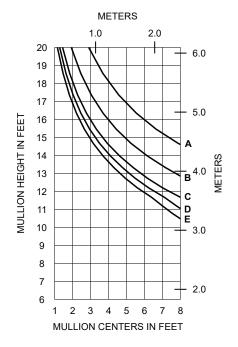
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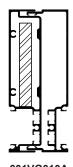




 $I = 11.484 (478.00 \times 10^4)$ $S = 3.413 (55.93 \times 10^3)$

WITH HORIZONTALS

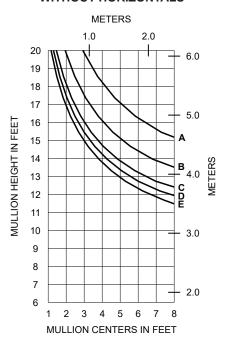




601VG010A 901VG009 **WITH 427219 STEEL**

 $I_{\Delta} = 11.484 (478.00 \times 10^{4})$ $\hat{S}_{\Delta} = 3.413 (55.93 \times 10^3)$ $I_s = 1.786 (74.34 \times 10^4)$ $S_s = 1.021 (16.73 \times 10^3)$

WITHOUT HORIZONTALS



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such as glazed entrance, window, and curtain wall control the selection of product configurations, open and assumes no responsibility therefor.

WIND LOAD CHARTS (Non-Thermal)

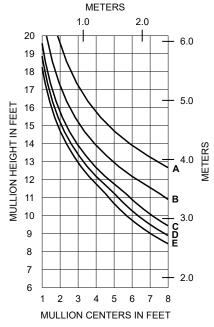
FRONT SET

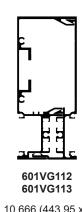
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	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E =	50 PSF (2400)	83 PSF (4000)

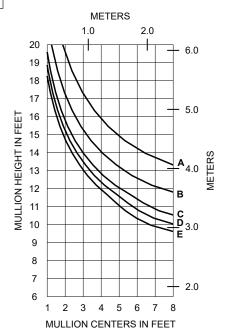
WITH HORIZONTALS

WITHOUT HORIZONTALS

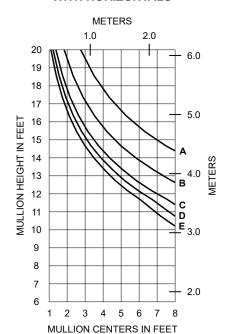


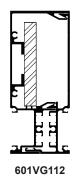


 $I = 10.666 (443.95 \times 10^4)$ $S = 2.818 (46.18 \times 10^3)^{-1}$



WITH HORIZONTALS



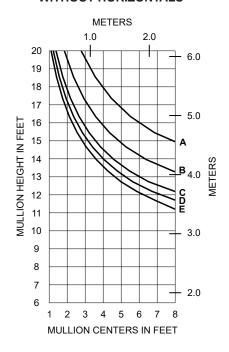


601VG113 **WITH 427219 STEEL**

I_A = 10.666 (443.95 x 10⁴) S_A = 2.818 (46.18 x 10³)

 $I_S = 1.786 (74.34 \times 10^4)$ $S_S = 1.021 (16.73 \times 10^3)$

WITHOUT HORIZONTALS





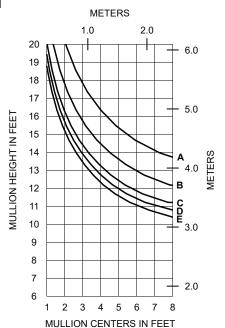
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WIND LOAD CHARTS (Non-Thermal)

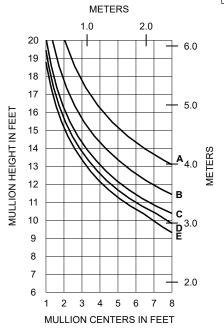
EC 97911-302

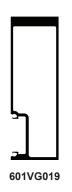
	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E =	50 PSF (2400)	83 PSF (4000)

WITHOUT HORIZONTALS



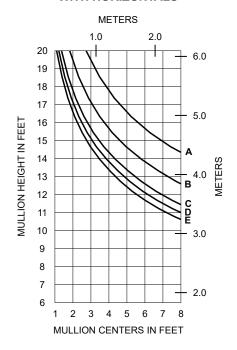
WITH HORIZONTALS

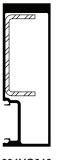




 $I = 11.737 (488.53 \times 10^{4})$ $S = 3.431 (56.22 \times 10^3)$

WITH HORIZONTALS



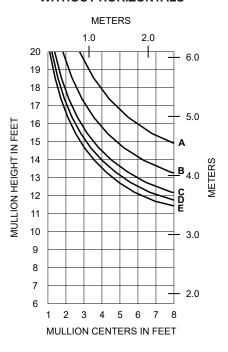


601VG019 **WITH 162303 STEEL**

 $I_A = 11.737 (488.53 \times 10^4)$ $S_A = 3.431 (56.22 \times 10^3)$

 $I_S = 1.378 (57.36 \times 10^4)$ $S_S = 0.813 (13.32 \times 10^3)$

WITHOUT HORIZONTALS



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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,

such as glazed entrance, window, and curtain wall control the selection of product configurations, open and assumes no responsibility therefor.

WIND LOAD CHARTS (Non-Thermal)

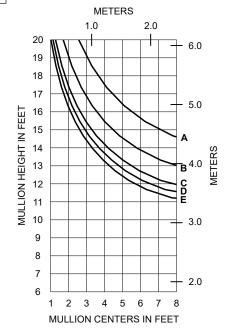
FRONT SET

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.

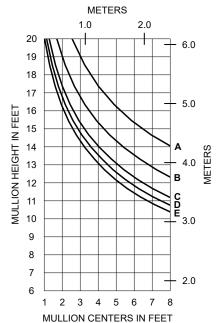
Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.	ser Company, Inc.
Kawneer reserves the right to chan necessary for product improvement	© 2020, Kawneer Company, Inc.

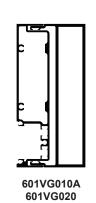
	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E=	50 PSF (2400)	83 PSF (4000)

WITHOUT HORIZONTALS

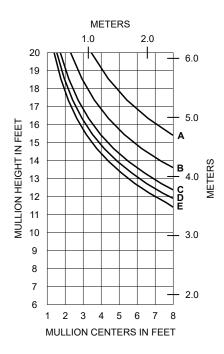


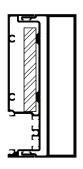
WITH HORIZONTALS





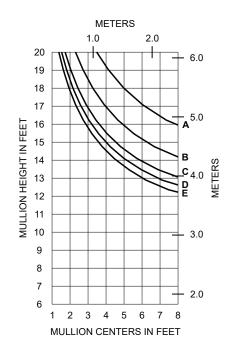
I = 14.702 (611.94 x 10⁴) $S = 4.893 (80.18 \times 10^3)$





601VG010A 601VG020 **WITH 427219 STEEL**

 $I_A = 14.702 (611.94 \times 10^4)$ $S_A = 4.893 (80.18 \times 10^3)$ $I_S = 1.786 (74.34 \times 10^4)$ $S_S = 1.021 (16.73 \times 10^3)$



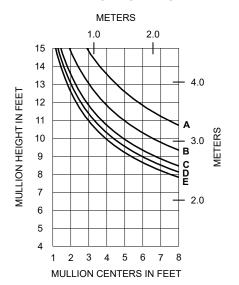


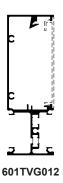
WIND LOAD CHARTS (Thermal)

EC 97911-302

	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E =	50 PSF (2400)	83 PSF (4000)

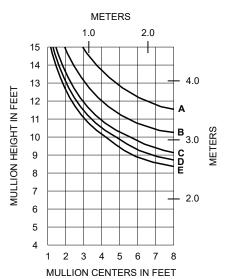
WITH HORIZONTALS



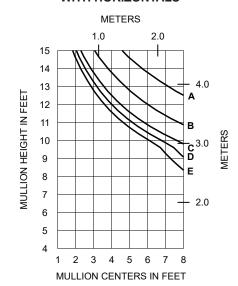


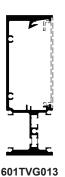
WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS



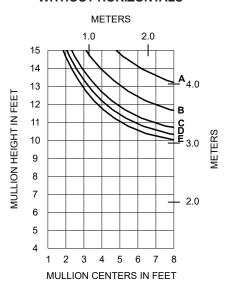
WITH HORIZONTALS





WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS



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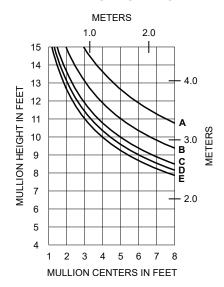
such as glazed entrance, window, and curtain wall control the selection of product configurations, oper and assumes no responsibility therefor.

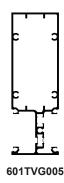
WIND LOAD CHARTS (Thermal)

FRONT SET

	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E =	50 PSF (2400)	83 PSF (4000)

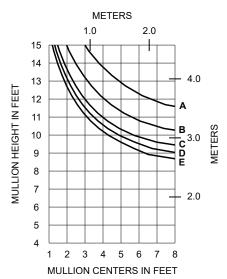
WITH HORIZONTALS



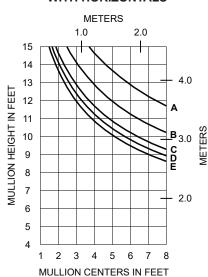


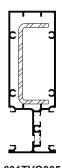
WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS



WITH HORIZONTALS

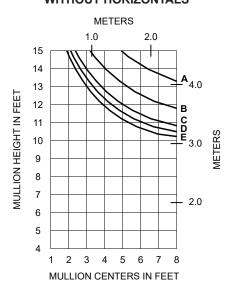




601TVG005 **WITH 162303 STEEL**

WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS



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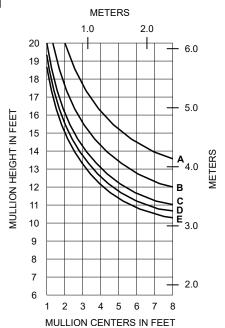
KAWNEER

WIND LOAD CHARTS (Thermal)

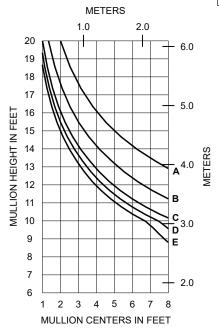
EC 97911-302

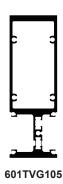
	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E=	50 PSF (2400)	83 PSF (4000)

WITHOUT HORIZONTALS



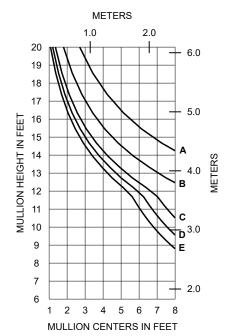
WITH HORIZONTALS

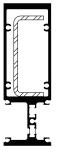




WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITH HORIZONTALS

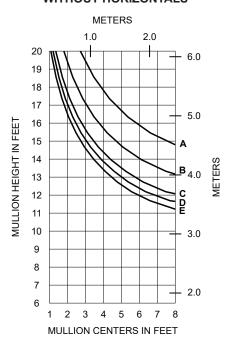




601TVG105 **WITH 162303 STEEL**

WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS



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such as glazed entrance, window, and curtain wall control the selection of product configurations, open and assumes no responsibility therefor.

20

19 18

17

16

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13 12

11

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3 4 5

MULLION HEIGHT IN FEET

1.0

2.0

6.0

5.0

4.0

В

D

2.0

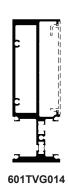
METERS

EC 97911-302

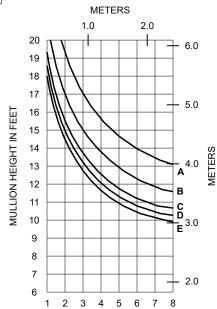
WIND LOAD CHARTS (Thermal)

	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E=	50 PSF (2400)	83 PSF (4000)

WITH HORIZONTALS **METERS**



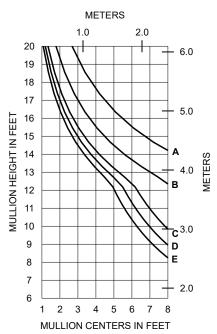
WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

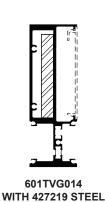


WITHOUT HORIZONTALS

WITH HORIZONTALS

MULLION CENTERS IN FEET

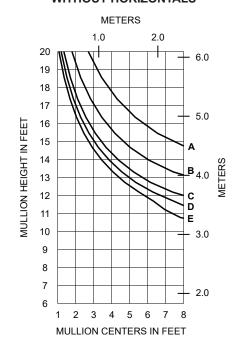




WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS

MULLION CENTERS IN FEET





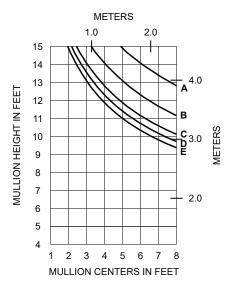
ADMC071EN kawneer.com

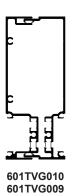
WIND LOAD CHARTS (Thermal)

EC 97911-302

	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E =	50 PSF (2400)	83 PSF (4000)

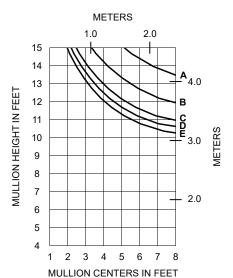
WITH HORIZONTALS



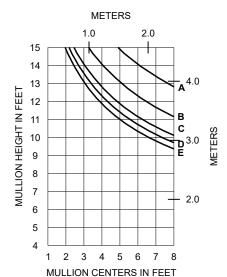


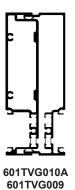
WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS



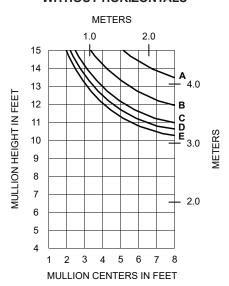
WITH HORIZONTALS





WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS



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EC 97911-302

WIND LOAD CHARTS (Thermal)

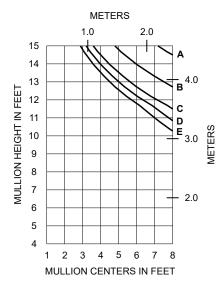
FRONT SET

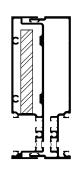
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Kawneer reserves the necessary for product i	© 2020, Kawneer Company, Inc.

	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E=	50 PSF (2400)	83 PSF (4000)

WITH HORIZONTALS

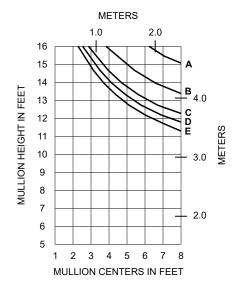




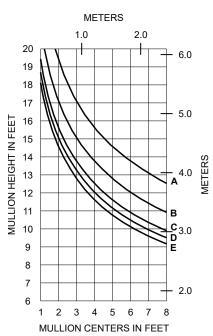
601TVG010A 601TVG009 WITH 427219 STEEL

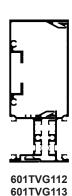
WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS



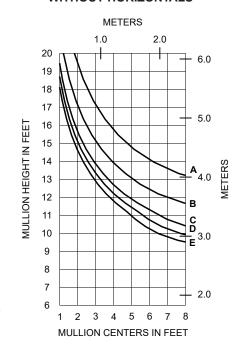
WITH HORIZONTALS





WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS





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MULLION CENTERS IN FEET

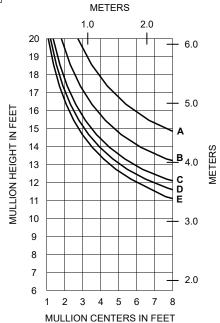
WIND LOAD CHARTS (Thermal)

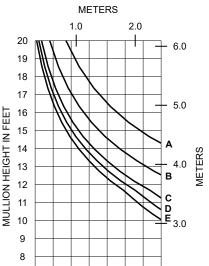
EC 97911-302

	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E =	50 PSF (2400)	83 PSF (4000)

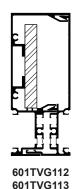
WITH HORIZONTALS

WITHOUT HORIZONTALS





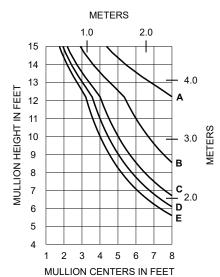
5 6 2.0

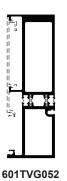


WITH 427219 STEEL

WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

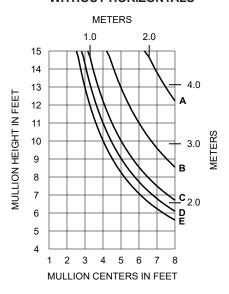
WITH HORIZONTALS





WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS



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WIND LOAD CHARTS (Thermal)

FRONT SET

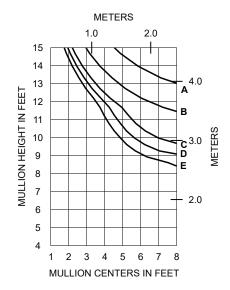
Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely, Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

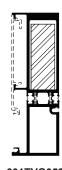
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Rawneer reserves the right to change configuration without prior hotice v	necessary for product improvement
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	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E =	50 PSF (2400)	83 PSF (4000)

WITH HORIZONTALS

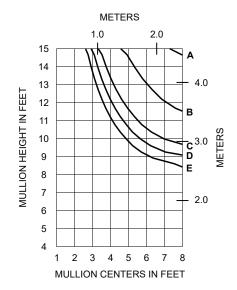




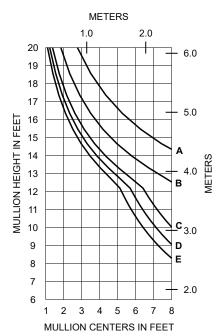
601TVG052 WITH 1" x 2-3/4" STEEL BAR

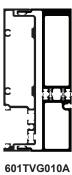
WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS



WITH HORIZONTALS

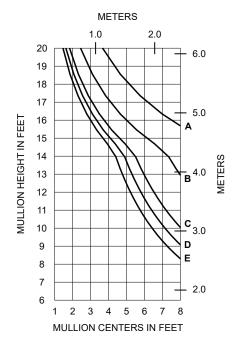




601TVG058

WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS



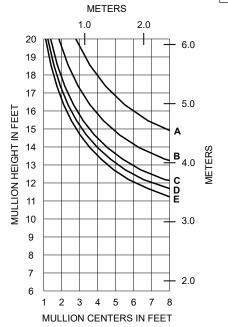


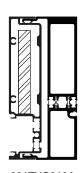
WIND LOAD CHARTS (Thermal)

EC 97911-302

	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E =	50 PSF (2400)	83 PSF (4000)

WITH HORIZONTALS

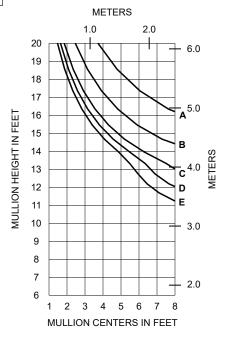




601TVG010A 601TVG058 WITH 427219 STEEL

WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS



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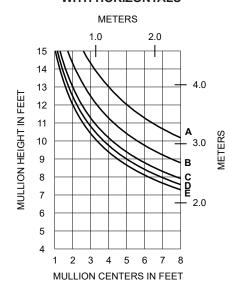
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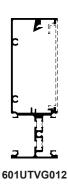
EC 97911-302

WIND LOAD CHARTS (Ultra Thermal)

	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E=	50 PSF (2400)	83 PSF (4000)

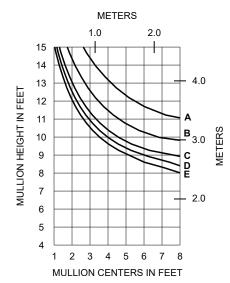
WITH HORIZONTALS



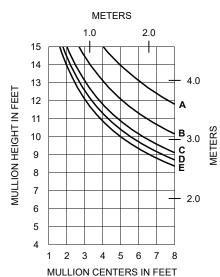


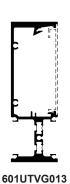
WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS



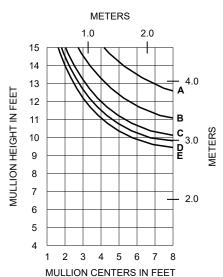
WITH HORIZONTALS





WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS



KAWNEER

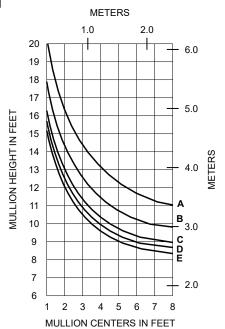
Laws and building and safety codes governing the design and use of Kawneer products, such as glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

WIND LOAD CHARTS (Ultra Thermal)

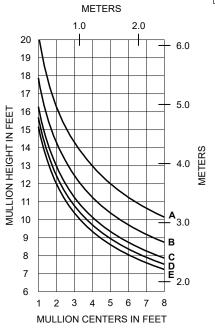
EC 97911-302

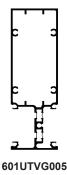
	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E=	50 PSF (2400)	83 PSF (4000)

WITHOUT HORIZONTALS



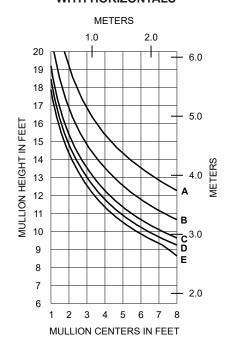
WITH HORIZONTALS

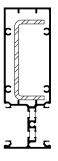




WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITH HORIZONTALS

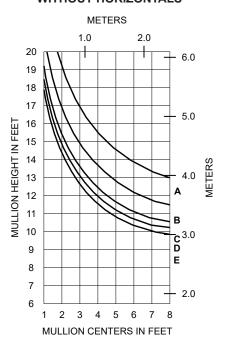




601UTVG005 **WITH 162303 STEEL**

WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS



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WIND LOAD CHARTS (Ultra Thermal)

FRONT SET

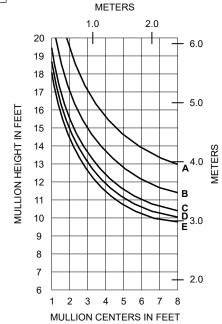
EC 97911-302

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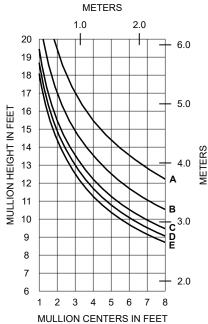
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	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E =	50 PSF (2400)	83 PSF (4000)

WITHOUT HORIZONTALS



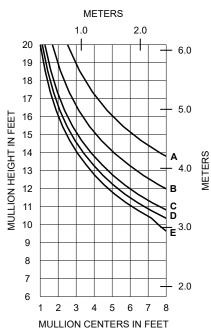


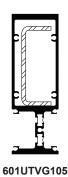




WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITH HORIZONTALS

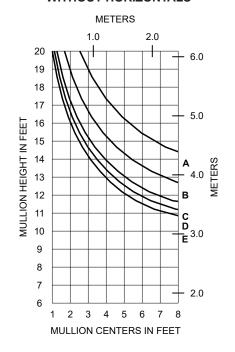




WITH 162303 STEEL

WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS





7

6

3 4 5 6

WIND LOAD CHARTS (Ultra Thermal)

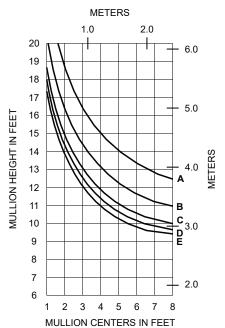
2.0

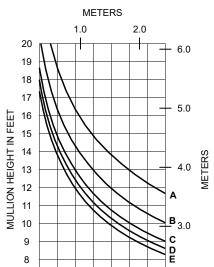
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EC 97911-302

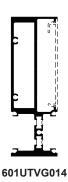
Allowable Stress LRFD Ultimate **Design Load Design Load** A = 20 PSF (960) 33 PSF (1580) B = 30 PSF (1440) 50 PSF (2400) C = 40 PSF (1920) 67 PSF (3200) D = 45 PSF (2160) 75 PSF (3600) E = 50 PSF (2400) 83 PSF (4000)

WITHOUT HORIZONTALS





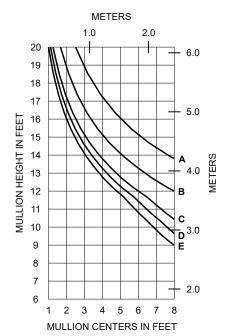
WITH HORIZONTALS

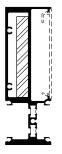


WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITH HORIZONTALS

MULLION CENTERS IN FEET

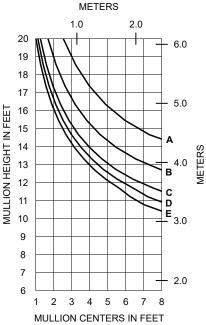




601UTVG014 **WITH 427219 STEEL**

WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS



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EC 97911-302

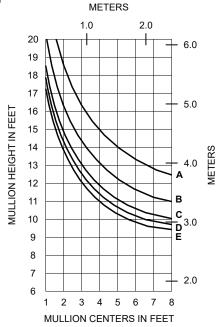
WIND LOAD CHARTS (Ultra Thermal)

FRONT SET

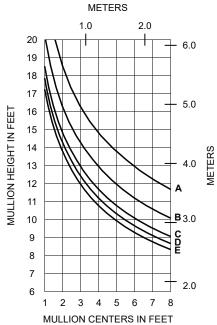
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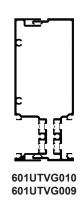
	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E=	50 PSF (2400)	83 PSF (4000)

WITHOUT HORIZONTALS



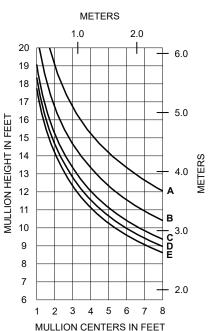


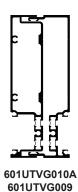




WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

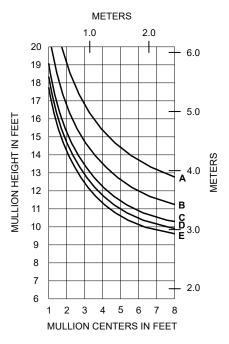
WITH HORIZONTALS





WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS



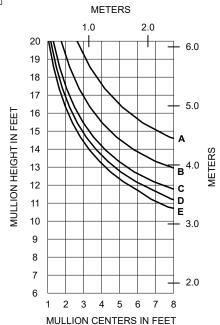


WIND LOAD CHARTS (Ultra Thermal)

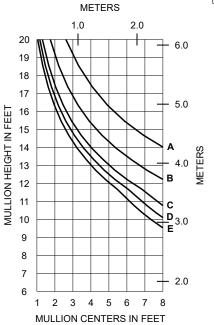
EC 97911-302

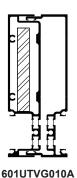
	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E =	50 PSF (2400)	83 PSF (4000)

WITHOUT HORIZONTALS



WITH HORIZONTALS

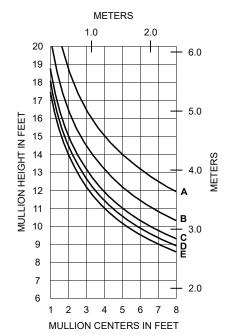


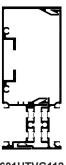


601UTVG009 **WITH 427219 STEEL**

WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITH HORIZONTALS

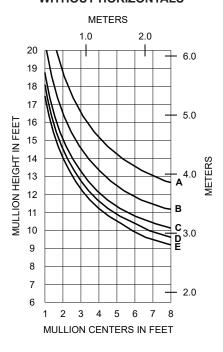




601UTVG112 601UTVG113

WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS



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such as glazed entrance, window, and curtain wall control the selection of product configurations, open and assumes no responsibility therefor.

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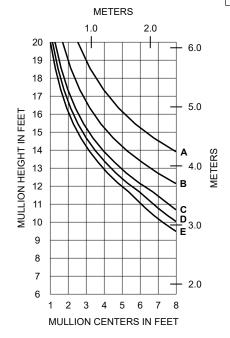
Laws and building and safety codes governing the design and use of Kawneer products, vary and safed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and assumes no responsibility therefor.

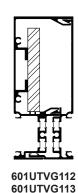
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WIND LOAD CHARTS (Ultra Thermal)

	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E =	50 PSF (2400)	83 PSF (4000)

WITH HORIZONTALS

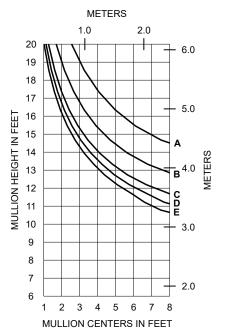




WITH 427219 STEEL WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH

AAMA TIR-A8 AND AAMA 505

WITHOUT HORIZONTALS



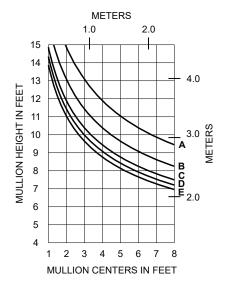


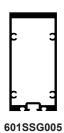
WIND LOAD CHARTS (SSG Mullion)

EC 97911-302

	Allowable Stress	LRFD Ultimate
	Design Load	Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E =	50 PSF (2400)	83 PSF (4000)

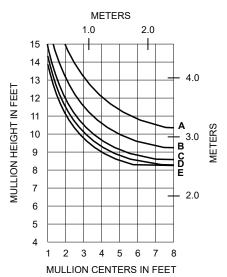
WITH HORIZONTALS



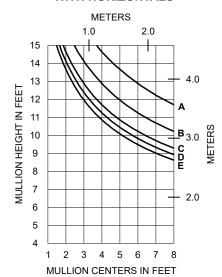


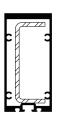
I = 4.410 (183.56 x 10⁴) S = 2.033 (33.31 x 10³)

WITHOUT HORIZONTALS



WITH HORIZONTALS



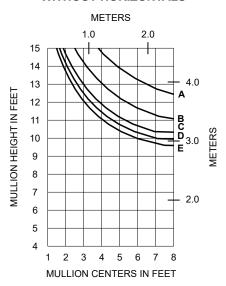


601SSG005 WITH 162303 STEEL

 $I_A = 4.410 (183.56 \times 10^4)$ $S_A = 0.2.033 (33.31 \times 10^3)$

 $I_{s} = 1.378 (57.36 \times 10^{4})$ $S_{s} = 0.813 (13.32 \times 10^{3})$

WITHOUT HORIZONTALS



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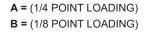
EC 97911-302

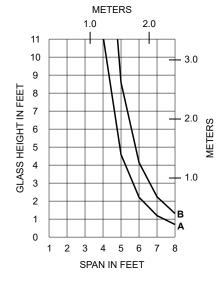
DEADLOAD CHARTS

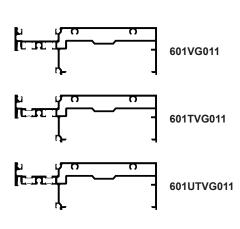
FRONT SET

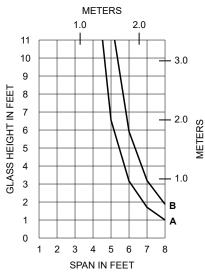
Horizontal or deadload limitations are based upon 1/8" (3.2) maximum allowable deflection at the center of an intermediate horizontal member. The accompanying charts are calculated for 1" (25.4) thick insulating glass supported on two setting blocks at the loading points shown.

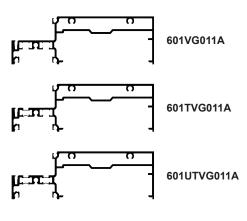
NOTE: Charts are for THERMAL and NON-THERMAL members.

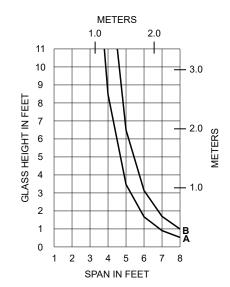


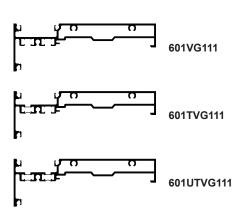












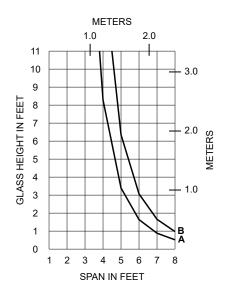


DEADLOAD CHARTS

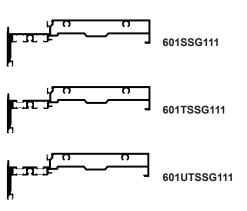
EC 97911-302

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 supported on two setting blocks at the loading points shown.

NOTE: Charts are for THERMAL and NON-THERMAL members.



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



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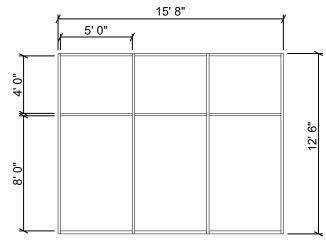


EC 97911-302

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THERMAL CHARTS

Generic Project Specific U-factor Example Calculation (Percent of Glass will vary on specific products depending on sitelines)



Example Glass U-factor = 0.42 Btu/hr·ft².°F

Total Daylight Opening = $3(5' \times 8') + 3(5' \times 4') = 180 \text{ft}^2$

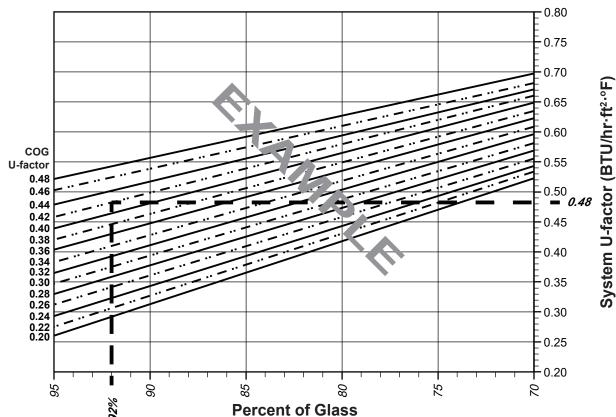
Total Projected Area = (Total Daylight Opening + Total Area of Framing System)

= 15' 8" x 12' 6" = 195.83ft²

Percent of Glass = (Total Daylight Opening ÷ Total Projected Area)

 $= (180 \div 195.83)100 = 92\%$

System U-factor vs Percent of Glass Area



Based on 91% glass and center of glass (COG) U-factor of 0.42 System U-factor is equal to 0.49 Btu/hr x ft^2 x $^{\circ}F$



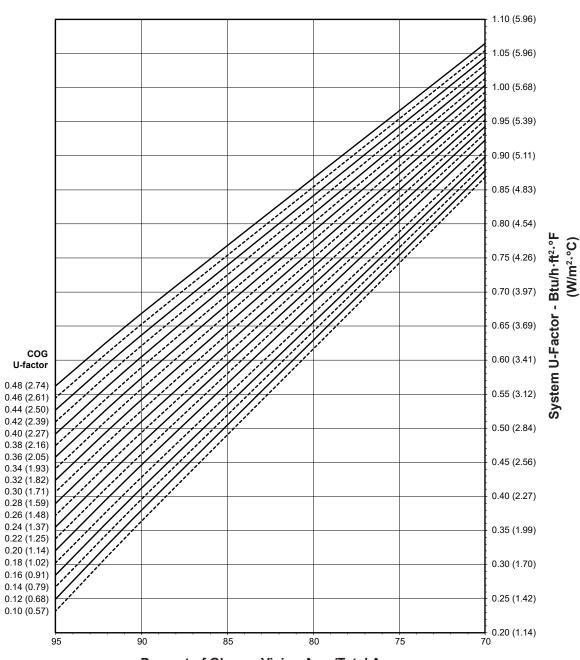
THERMAL CHARTS

EC 97911-302

. . .

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

Trifab® VersaGlaze® 601 Screw Spline (Non-Thermal) 1" Double Glazed - Aluminum Glazing Spacer System U-factor vs Percent of Glass Area



Percent of Glass = Vision Area/Total Area (Total Daylight Opening / Projected Area)

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

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

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



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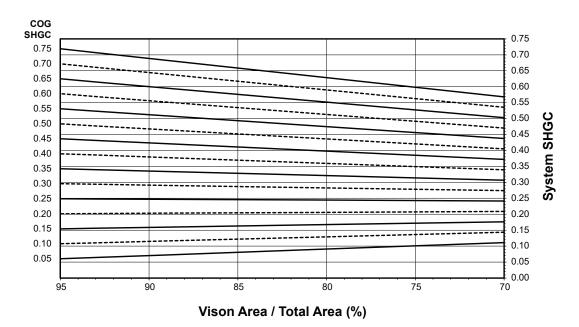
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EC 97911-302

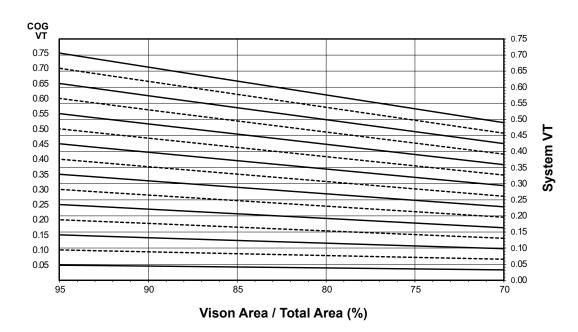
THERMAL CHARTS

Trifab® VersaGlaze® 601 Screw Spline (Non-Thermal) 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





Thermal Transmittance ¹ (BTU/hr • ft ² • °F)

Thermal transmittance (BTO/Mr • It • F)	
Glass U-Factor ³	Overall U-Factor 4
0.48	0.68
0.46	0.66
0.44	0.65
0.42	0.63
0.40	0.62
0.38	0.60
0.36	0.58
0.34	0.57
0.32	0.55
0.30	0.54
0.28	0.52
0.26	0.51
0.24	0.49
0.22	0.47
0.20	0.46
0.18	0.44
0.16	0.42
0.14	0.41
0.12	0.39
0.10	0.38

Trifab® VersaGlaze® 601 Screw Spline (Non-Thermal) 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.
- 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 Matrix²

Glass SHGC ³	Overall SHGC ⁴
0.75	0.69
0.70	0.64
0.65	0.60
0.60	0.55
0.55	0.51
0.50	0.47
0.45	0.42
0.40	0.38
0.35	0.33
0.30	0.29
0.25	0.25
0.20	0.20
0.15	0.16
0.10	0.12
0.05	0.07

Visible Transmittance ²

VISIBLE TRANSMITTATION		
Glass VT ³	Overall VT 4	
0.75	0.66	
0.70	0.61	
0.65	0.57	
0.60	0.53	
0.55	0.48	
0.50	0.44	
0.45	0.39	
0.40	0.35	
0.35	0.31	
0.30	0.26	
0.25	0.22	
0.20	0.18	
0.15	0.13	
0.10	0.09	
0.05	0.04	



Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

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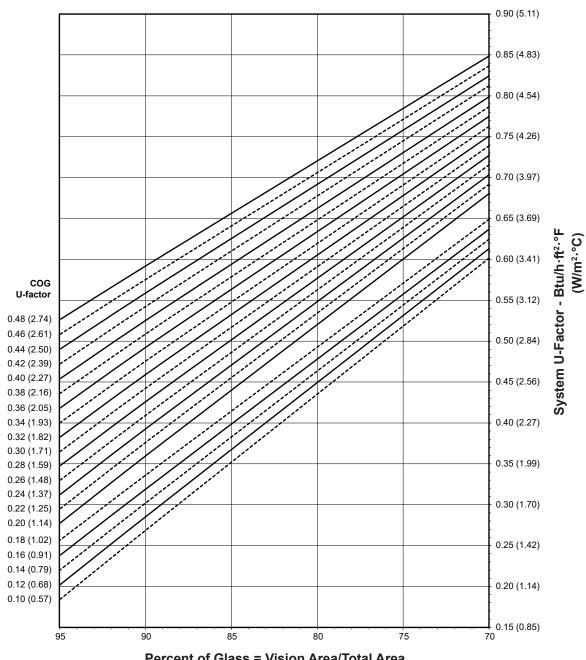
EC 97911-302

FRONT SET

THERMAL CHARTS

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

Trifab® VersaGlaze® 601 Receptor Adapted SSG Stick (Non-Thermal) 1" Double Glazed - Aluminum Glazing Spacer **System U-factor vs Percent of Glass Area**



Percent of Glass = Vision Area/Total Area (Total Daylight Opening / Projected Area)

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

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

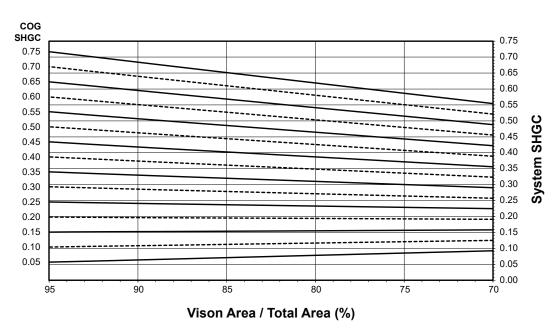


THERMAL CHARTS

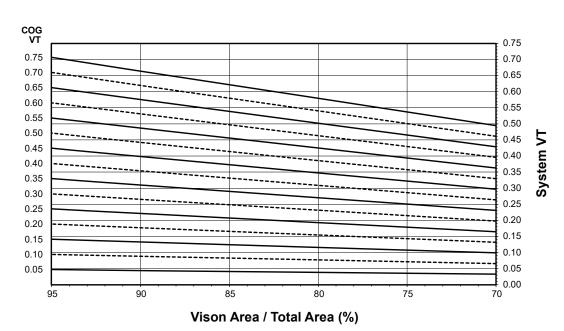
EC 97911-302

Trifab[®] VersaGlaze[®] 601 Receptor Adapted SSG Stick (Non-Thermal) 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





EC 97911-302

THERMAL PERFORMANCE MATRIX

FRONT SET

Thermal Transmittance 1 (BTU/hr • ft 2 • °F)

Glass U-Factor ³	Overall U-Factor ⁴
0.48	0.61
0.46	0.59
0.44	0.57
0.42	0.56
0.40	0.54
0.38	0.52
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

Trifab® VersaGlaze® 601 Receptor Adapted SSG Stick (Non-Thermal) 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.
- SHGC and VT values are determined in accordance with NFRC 200.
- 3. Glass properties are based on center of glass values and are obtained from your glass supplier.
- 4. Overall U-Factor, SHGC, and VT Matricies are based on the standard NFRC specimen size of 2,000 mm wide by 2,000 mm high (78-3/4" by 78-3/4").

SHGC Matrix ²

Glass SHGC ³	Overall SHGC 4
0.75	0.68
0.70	0.63
0.65	0.59
0.60	0.55
0.55	0.50
0.50	0.46
0.45	0.41
0.40	0.37
0.35	0.33
0.30	0.28
0.25	0.24
0.20	0.20
0.15	0.15
0.10	0.11
0.05	0.07

Visible Transmittance ²

Glass VT ³	Overall VT 4
0.75	0.65
0.70	0.61
0.65	0.57
0.60	0.52
0.55	0.48
0.50	0.44
0.45	0.39
0.40	0.35
0.35	0.31
0.30	0.26
0.25	0.22
0.20	0.17
0.15	0.13
0.10	0.09
0.05	0.04

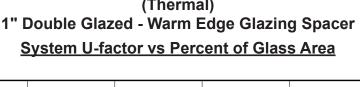


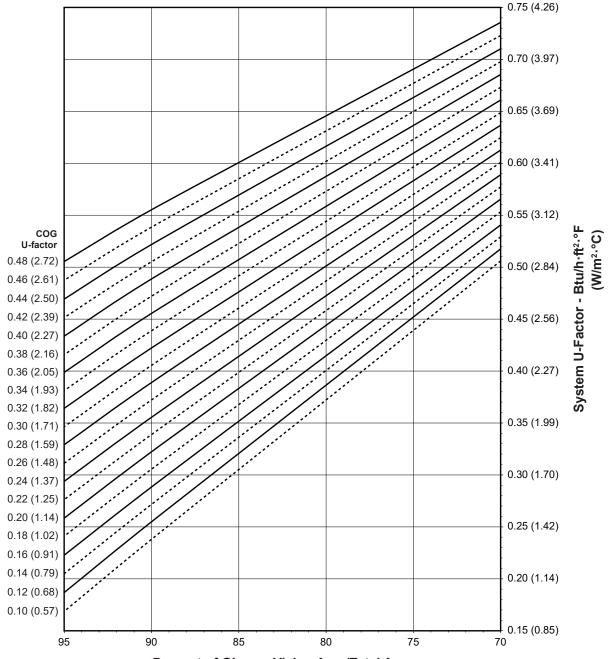
THERMAL CHARTS

EC 97911-302

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

Trifab® VersaGlaze® 601T Screw Spline (Thermal) 1" Double Glazed - Warm Edge Glazing Spacer **System U-factor vs Percent of Glass Area**





Percent of Glass = Vision Area/Total Area (Total Daylight Opening / Projected Area)

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

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

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



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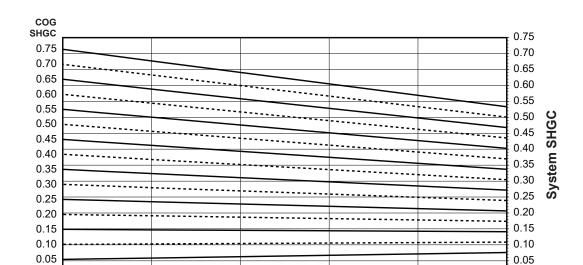
THERMAL CHARTS FRONT SET

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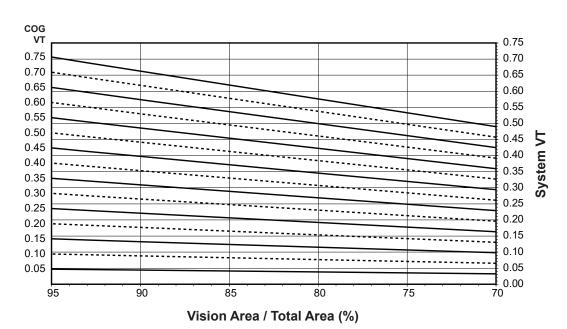
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Trifab® VersaGlaze® 601T Screw Spline
(Thermal)
1" Double Glazed - Warm Edge Glazing Spacer
System Solar Heat Gain Coefficient (SHGC) vs Percent of Vision Area



System Visible Transmittance (VT) vs Percent of Vision Area

Vision Area / Total Area (%)





Thermal Transmittance 1 (BTU/hr • ft 2 • °F)

Themai manamitance (DTO/III + II + I)	
Glass U-Factor ³	Overall U-Factor 4
0.48	0.56
0.46	0.54
0.44	0.53
0.42	0.51
0.40	0.49
0.38	0.48
0.36	0.46
0.34	0.44
0.32	0.43
0.30	0.41
0.28	0.39
0.26	0.38
0.24	0.36
0.22	0.34
0.20	0.33
0.18	0.31
0.16	0.29
0.14	0.28
0.12	0.26
0.10	0.24
	·

Trifab® VersaGlaze® 601T Screw Spline (Thermal) 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.
- 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	0.67
0.70	0.63
0.65	0.59
0.60	0.54
0.55	0.50
0.50	0.45
0.45	0.41
0.40	0.37
0.35	0.32
0.30	0.28
0.25	0.23
0.20	0.19
0.15	0.15
0.10	0.10
0.05	0.06

Visible Transmittance ²

Glass VT ³	Overall VT 4
0.75	0.66
0.70	0.61
0.65	0.57
0.60	0.53
0.55	0.48
0.50	0.44
0.45	0.39
0.40	0.35
0.35	0.31
0.30	0.26
0.25	0.22
0.20	0.18
0.15	0.13
0.10	0.09
0.05	0.04



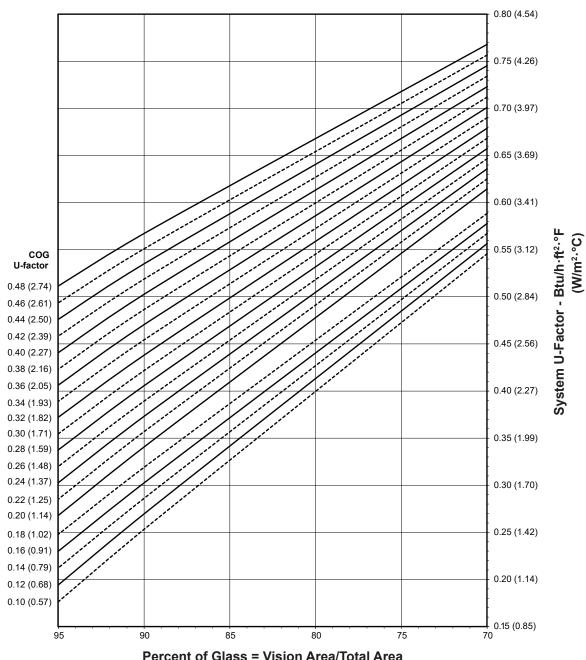
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THERMAL CHARTS FRONT SET

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

Trifab® VersaGlaze® 601T Screw Spline (Thermal) 1" Double Glazed - Aluminum Glazing Spacer System U-factor vs Percent of Glass Area



Percent of Glass = Vision Area/Total Area (Total Daylight Opening / Projected Area)

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

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

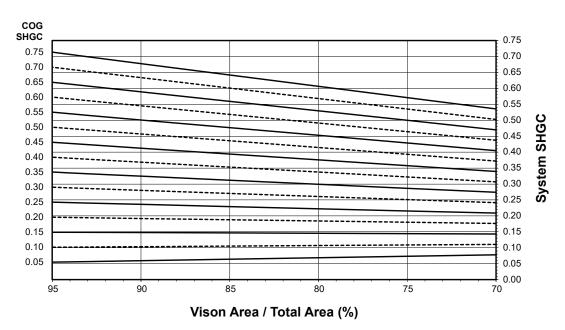


THERMAL CHARTS

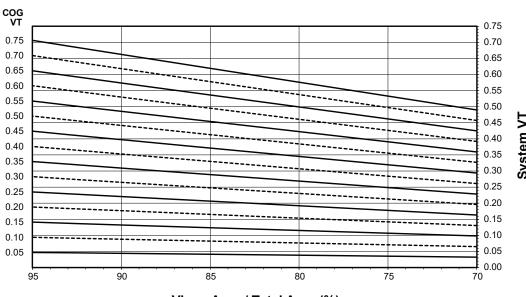
EC 97911-302

Trifab[®] VersaGlaze[®] 601T Screw Spline (Thermal) 1" Double Glazed - Aluminum Glazing Spacer

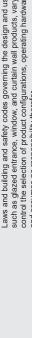
System Solar Heat Gain Coefficient (SHGC) vs Percent of Vision Area



System Visible Transmittance (VT) vs Percent of Vision Area







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Thermal Transmittance 1 (BTU/hr • ft 2 • °F)

Glass U-Factor ³	Overall U-Factor 4
0.48	0.57
0.46	0.56
0.44	0.54
0.42	0.52
0.40	0.51
0.38	0.49
0.36	0.48
0.34	0.46
0.32	0.44
0.30	0.43
0.28	0.41
0.26	0.40
0.24	0.38
0.22	0.36
0.20	0.35
0.18	0.33
0.16	0.31
0.14	0.29
0.12	0.28
0.10	0.26

Trifab® VersaGlaze® 601T Screw Spline (Thermal) 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.
- 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	0.67
0.70	0.63
0.65	0.59
0.60	0.54
0.55	0.50
0.50	0.45
0.45	0.41
0.40	0.37
0.35	0.32
0.30	0.28
0.25	0.24
0.20	0.19
0.15	0.15
0.10	0.10
0.05	0.06

Visible Transmittance ²

Glass VT ³	Overall VT 4
0.75	0.66
0.70	0.61
0.65	0.57
0.60	0.53
0.55	0.48
0.50	0.44
0.45	0.39
0.40	0.35
0.35	0.31
0.30	0.26
0.25	0.22
0.20	0.18
0.15	0.13
0.10	0.09
0.05	0.04

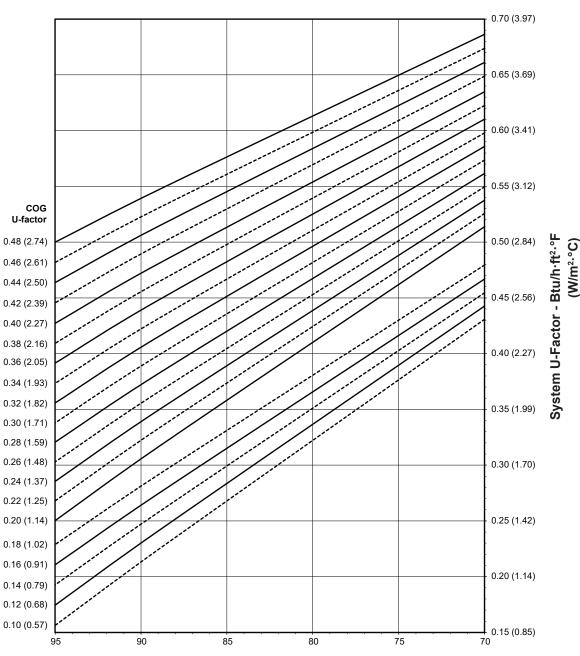
Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

THERMAL CHARTS

EC 97911-302

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

Trifab® VersaGlaze® 601T Receptor Adapted SSG Stick (Thermal) 1" Double Glazed - Aluminum Glazing Spacer System U-factor vs Percent of Glass Area



Percent of Glass = Vision Area/Total Area (Total Daylight Opening / Projected Area)

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

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

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



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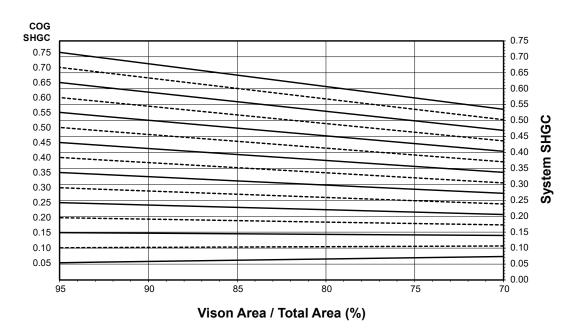
EC 97911-302

THERMAL CHARTS

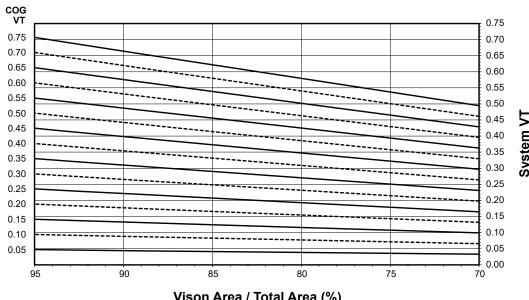
Trifab® VersaGlaze® 601T Receptor Adapted SSG Stick (Thermal)

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



Vison Area / Total Area (%)



EC 97911-302

Thermal Transmittance 1 (BTU/hr • ft 2 • °F)

Thermal Hansimillance (BTO/III + IC + F)	
Glass U-Factor ³	Overall U-Factor 4
0.48	0.55
0.46	0.53
0.44	0.51
0.42	0.50
0.40	0.48
0.38	0.47
0.36	0.45
0.34	0.43
0.32	0.42
0.30	0.40
0.28	0.38
0.26	0.37
0.24	0.35
0.22	0.33
0.20	0.32
0.18	0.29
0.16	0.28
0.14	0.26
0.12	0.24
0.10	0.23

Trifab® VersaGlaze® 601T Receptor Adapted SSG Stick (Thermal) 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.
- 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 Matrix²

Glass SHGC ³	Overall SHGC 4
0.75	0.67
0.70	0.63
0.65	0.58
0.60	0.54
0.55	0.50
0.50	0.45
0.45	0.41
0.40	0.36
0.35	0.32
0.30	0.28
0.25	0.23
0.20	0.19
0.15	0.15
0.10	0.10
0.05	0.06

Visible Transmittance ²

Glass VT ³	Overall VT 4
0.75	0.65
0.70	0.61
0.65	0.57
0.60	0.52
0.55	0.48
0.50	0.44
0.45	0.39
0.40	0.35
0.35	0.31
0.30	0.26
0.25	0.22
0.20	0.17
0.15	0.13
0.10	0.09
0.05	0.04



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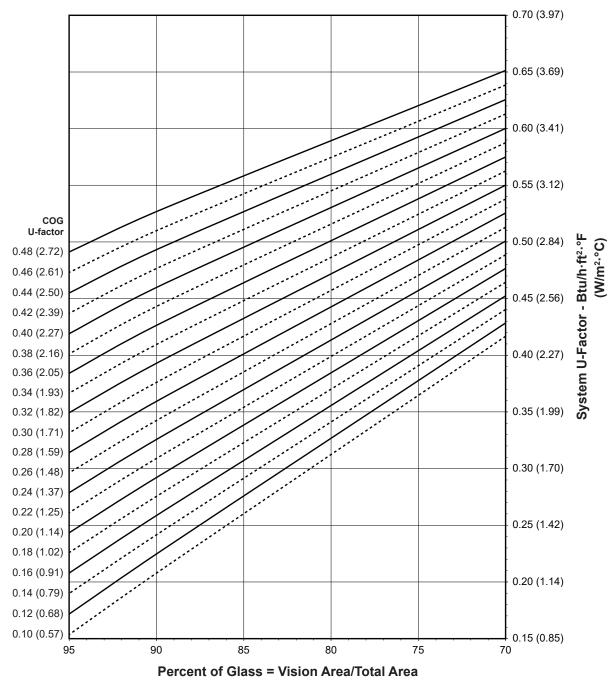
THERMAL CHARTS

EC 97911-302

Note:

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

Trifab® VersaGlaze® 601UT Screw Spline (Ultra Thermal) 1" Double Glazed - Warm Edge Glazing Spacer System U-factor vs Percent of Glass Area



(Total Daylight Opening / Projected Area)

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

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

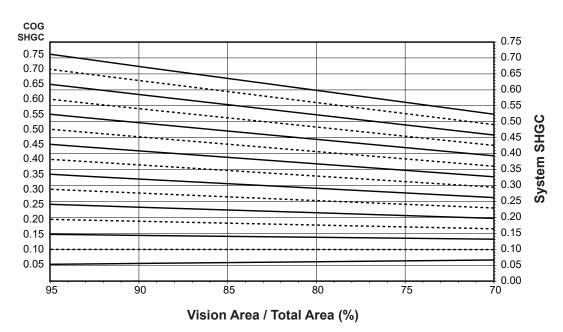


THERMAL CHARTS

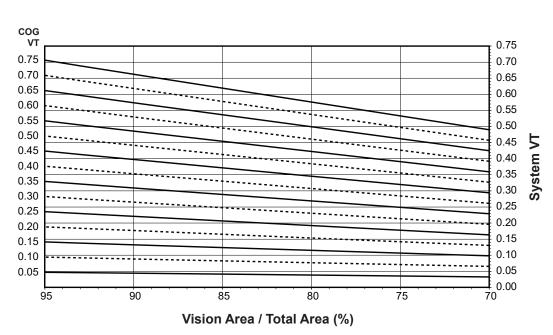
EC 97911-302

Trifab[®] VersaGlaze[®] 601UT Screw Spline (Ultra Thermal) 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





Laws and building and safety codes governing the design and use of Kawn such as glazed entrance, window, and curtain wall products, vary widely. Ka control the selection of product configurations, operating hardware, or glazi

THERMAL PERFORMANCE MATRIX

FRONT SET

Thermal Transmittance 1 (BTU/hr • ft 2 • °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	0.30
0.18	0.28
0.16	0.26
0.14	0.25
0.12	0.23
0.10	0.21

Trifab® VersaGlaze® 601UT Screw Spline (Ultra Thermal) 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.
- 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	0.67
0.70	0.63
0.65	0.58
0.60	0.54
0.55	0.49
0.50	0.45
0.45	0.41
0.40	0.36
0.35	0.32
0.30	0.28
0.25	0.23
0.20	0.19
0.15	0.14
0.10	0.10
0.05	0.06

Visible Transmittance ²

Glass VT ³	Overall VT ⁴
0.75	0.66
0.70	0.61
0.65	0.57
0.60	0.53
0.55	0.48
0.50	0.44
0.45	0.39
0.40	0.35
0.35	0.31
0.30	0.26
0.25	0.22
0.20	0.18
0.15	0.13
0.10	0.09
0.05	0.04



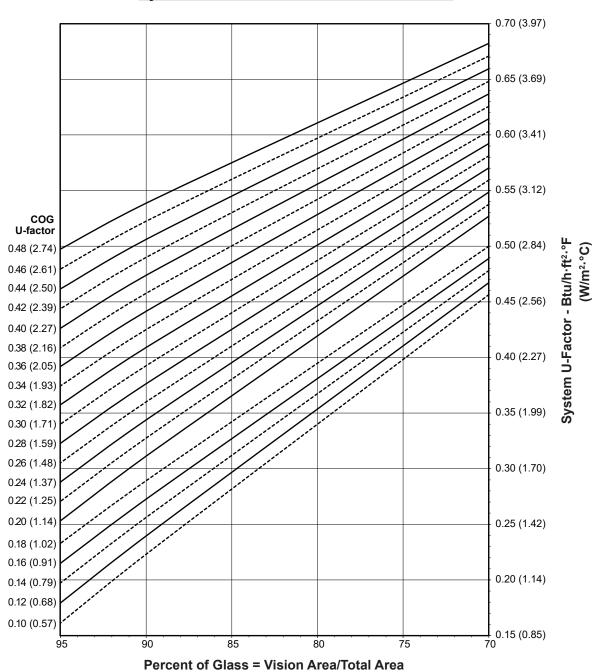
THERMAL CHARTS

EC 97911-302

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

Trifab® VersaGlaze® 601UT Screw Spline (Ultra Thermal) 1" Double Glazed - Aluminum Glazing Spacer System U-factor vs Percent of Glass Area



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

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

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



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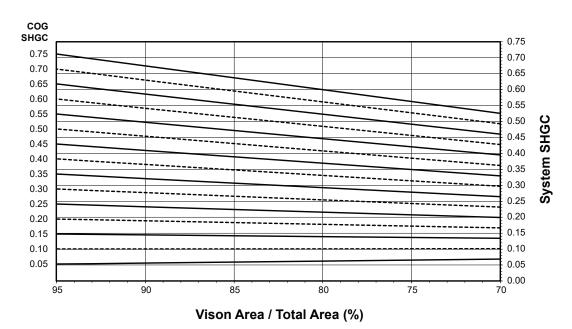
(Total Daylight Opening / Projected Area)

EC 97911-302

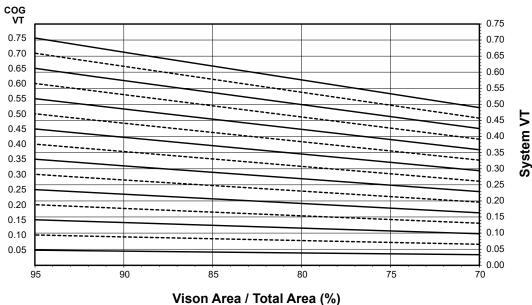
THERMAL CHARTS

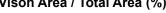
Trifab® VersaGlaze® 601UT Screw Spline (Ultra Thermal) 1" Double Glazed - Aluminum Glazing Spacer

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



System Visible Transmittance (VT) vs Percent of Vision Area







EC 97911-302

Thermal Transmittance 1 (BTU/hr • ft 2 • °F)

Themal manamitance (brome it in	
Glass U-Factor ³	Overall U-Factor 4
0.48	0.54
0.46	0.53
0.44	0.51
0.42	0.49
0.40	0.48
0.38	0.46
0.36	0.45
0.34	0.43
0.32	0.41
0.30	0.40
0.28	0.38
0.26	0.37
0.24	0.35
0.22	0.33
0.20	0.32
0.18	0.29
0.16	0.28
0.14	0.26
0.12	0.25
0.10	0.23
	·

Trifab® VersaGlaze® 601UT Screw Spline (Ultra Thermal) 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 Matrix²

Glass SHGC ³	Overall SHGC ⁴
0.75	0.67
0.70	0.63
0.65	0.58
0.60	0.54
0.55	0.50
0.50	0.45
0.45	0.41
0.40	0.36
0.35	0.32
0.30	0.28
0.25	0.23
0.20	0.19
0.15	0.14
0.10	0.10
0.05	0.06

Visible Transmittance ²

Glass VT ³	Overall VT 4
0.75	0.66
0.70	0.61
0.65	0.57
0.60	0.53
0.55	0.48
0.50	0.44
0.45	0.39
0.40	0.35
0.35	0.31
0.30	0.26
0.25	0.22
0.20	0.18
0.15	0.13
0.10	0.09
0.05	0.04



Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

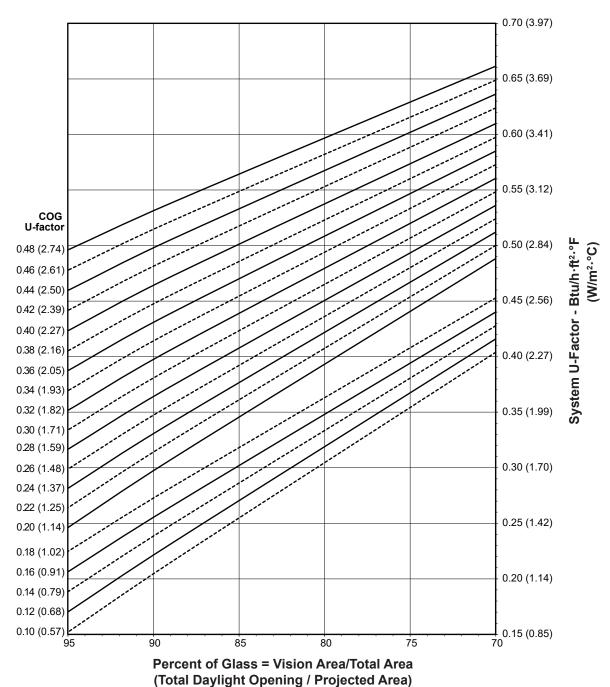
Laws and building and safety codes governing the design and use of Kawneer products, vary widely. Kawneer does not source a glazed entrance, window, and curtain wall products, vary widely. Kawneer does not control the selection of product configurations, operating hardware, or glazing materials, and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

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THERMAL CHARTS

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

Trifab® VersaGlaze® 601UT Receptor Adapted SSG Stick (Ultra Thermal) 1" Double Glazed - Aluminum Glazing Spacer **System U-factor vs Percent of Glass Area**



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

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

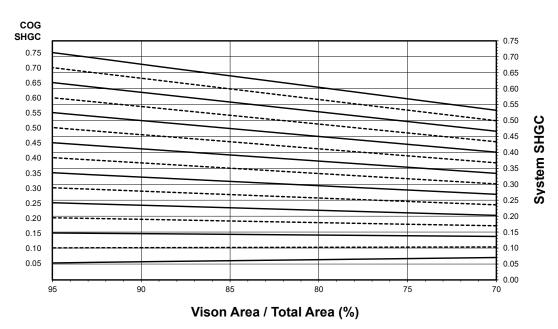


THERMAL CHARTS

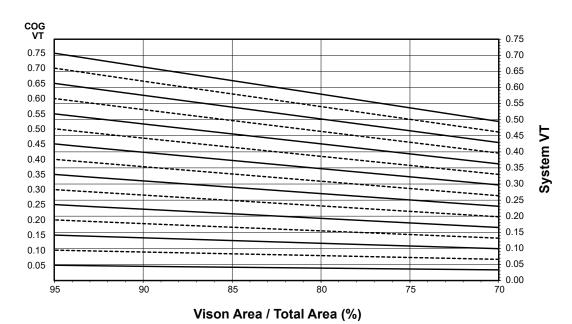
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Trifab® VersaGlaze® 601UT Receptor Adapted SSG Stick (Ultra Thermal) 1" Double Glazed - Aluminum Glazing Spacer

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



System Visible Transmittance (VT) vs Percent of Vision Area





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Kawneer reserves the right to change configuration without prior notice when deemed necessary for product improvement.

Thermal Transmittance 1 (BTU/hr • ft 2 • °F)

Thermal transmittance (BTO/Nr • It • F)	
Glass U-Factor ³	Overall U-Factor 4
0.48	0.54
0.46	0.52
0.44	0.51
0.42	0.49
0.40	0.47
0.38	0.46
0.36	0.44
0.34	0.42
0.32	0.41
0.30	0.39
0.28	0.37
0.26	0.36
0.24	0.34
0.22	0.32
0.20	0.31
0.18	0.28
0.16	0.27
0.14	0.25
0.12	0.23
0.10	0.22

Trifab® VersaGlaze® 601UT Receptor **Adapted SSG Stick** (Ultra Thermal) 1" Double Glazed **Aluminum Glazing Spacer**

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

THERMAL PERFORMANCE MATRIX

- 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	0.67
0.70	0.63
0.65	0.58
0.60	0.54
0.55	0.49
0.50	0.45
0.45	0.41
0.40	0.36
0.35	0.32
0.30	0.28
0.25	0.23
0.20	0.19
0.15	0.15
0.10	0.10
0.05	0.06

Visible Transmittance ²

Glass VT ³	Overall VT 4
0.75	0.65
0.70	0.61
0.65	0.57
0.60	0.52
0.55	0.48
0.50	0.44
0.45	0.39
0.40	0.35
0.35	0.31
0.30	0.26
0.25	0.22
0.20	0.17
0.15	0.13
0.10	0.09
0.05	0.04



DECEMBER, 2023

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