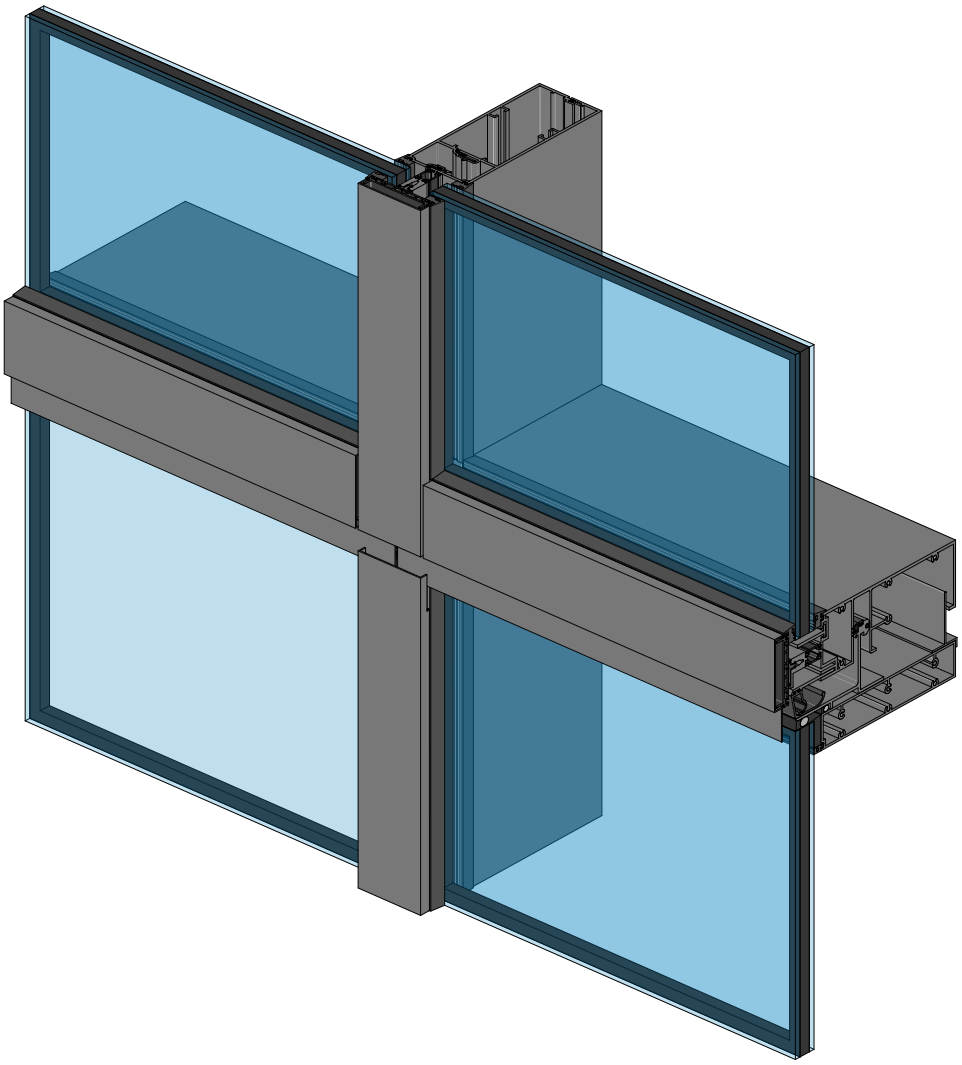
THERM TEK™

HIGH PERFORMANCE CURTAINWALL SYSTEMS



UNITIZED CURTAINWALL SYSTEM

OCTOBER, 2025

Features

- **System Options:**
  - Captured vertical and horizontal
  - Four sided SSG
  - Vertical SSG, horizontal captured
  - Horizontal SSG, vertical captured
  - Double glazing infill
  - Triple glazing infill
- **Standard System:** (SEE ENCLOSED FOR ADDITIONAL OFFERINGS)
  - Captured double glazed 3" x 9 $\frac{3}{4}$"
  - SSG double glazed 3" x 8 $\frac{5}{8}$"
  - Captured triple glazed 3" x 10 $\frac{1}{2}$"
  - SSG triple glazed 3" x 9 $\frac{3}{8}$"
- **Infill Options: (Additional custom sizes are available)**
  - Double glazed 1" to 1 $\frac{5}{16}$"
  - Triple glazed 1 $\frac{3}{4}$" to 2 $\frac{1}{16}$"
- **Screw spline concealed fastener system**
- **Two color options in anodized or painted finishes**
- **System thermal performance:** (4-sided captured)

Double glazed (1" glass/COG 0.19)
- System U-factor = 0.23
- SHGC = 0.32
- Condensation resistance = 55

Triple glazed (1 $\frac{3}{4}$" glass/COG 0.10)
- System U-factor = 0.14
- SHGC = 0.25
- Condensation resistance = 70

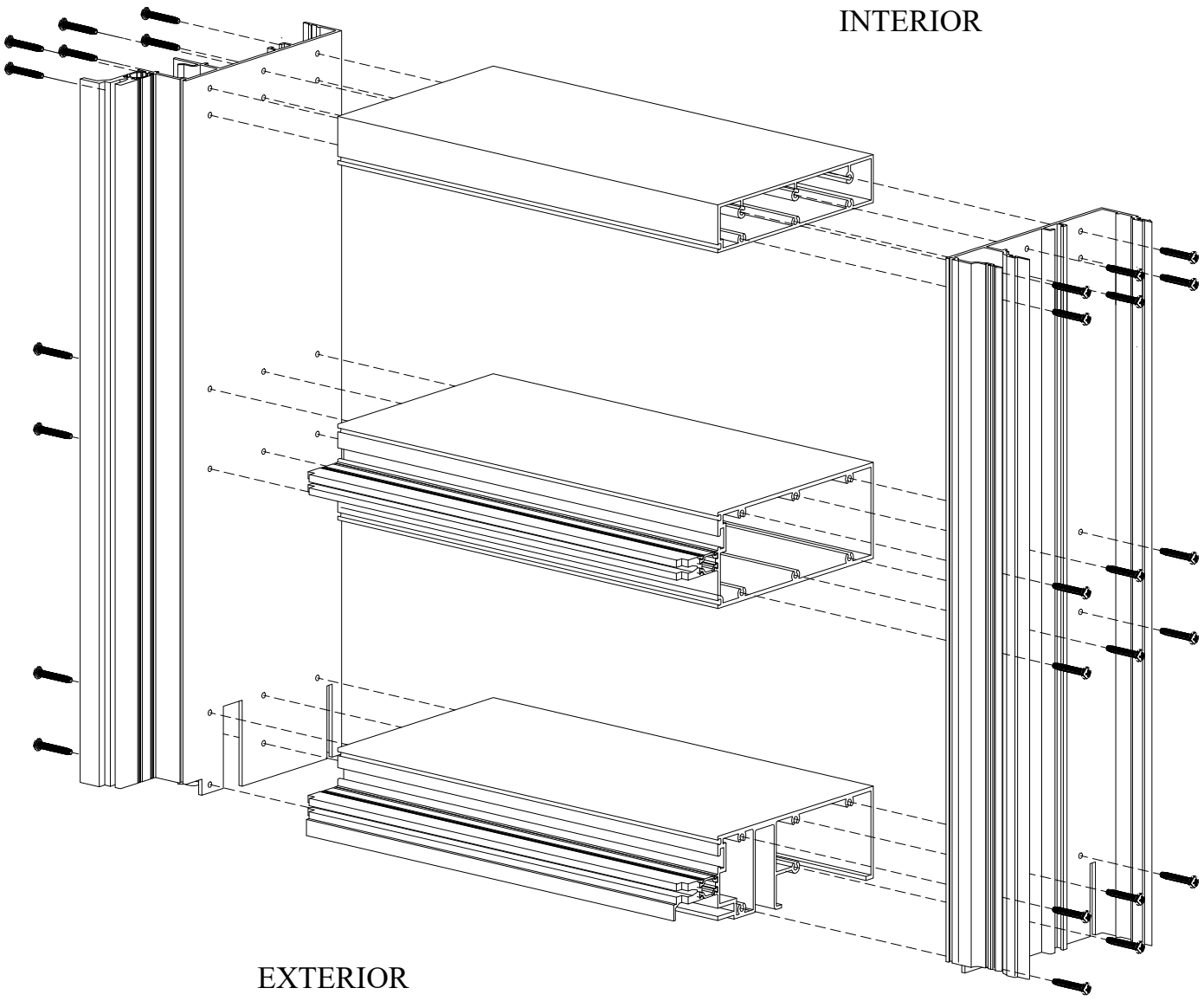
- **Supported by in house simulator thermal modeling**
- **Fully tested to NFRC 100/200/500 with validation (Full certification in process)**
- **Performance:**
  - Expansion horizontal per AAMA 501.7 +1"/-1" overall total allow movement
  - Air performance (6.24 PSF/allowable 0.06 CRM/FT2) per ASTM E283
  - Static water performance (15 PSF) per ASTM E331
  - Dynamic water penetration (15 PSF) per AAMA 501.1
  - Structural performance per ASTM E330
  - Interstory horizontal displacement testing per AAMA 501.4
  - Seismic displacement testing per AAMA 501.4
- **Optional features:**
  - Custom exterior cover profiles
  - Sunshades
  - Vent window infills
  - Door infills
  - Vertical fins
  - Window washer tie backs
  - Custom adjustable anchor system to building structure
- **Sustainability:**

Developed with a focus on sustainable facade design, the THERMTEK™ curtainwall system is available using low-carbon aluminum, which has a minimum 50% mixed pre and post-consumer recycled content, with the remaining primary aluminum sourced from a hydroelectric smelter.

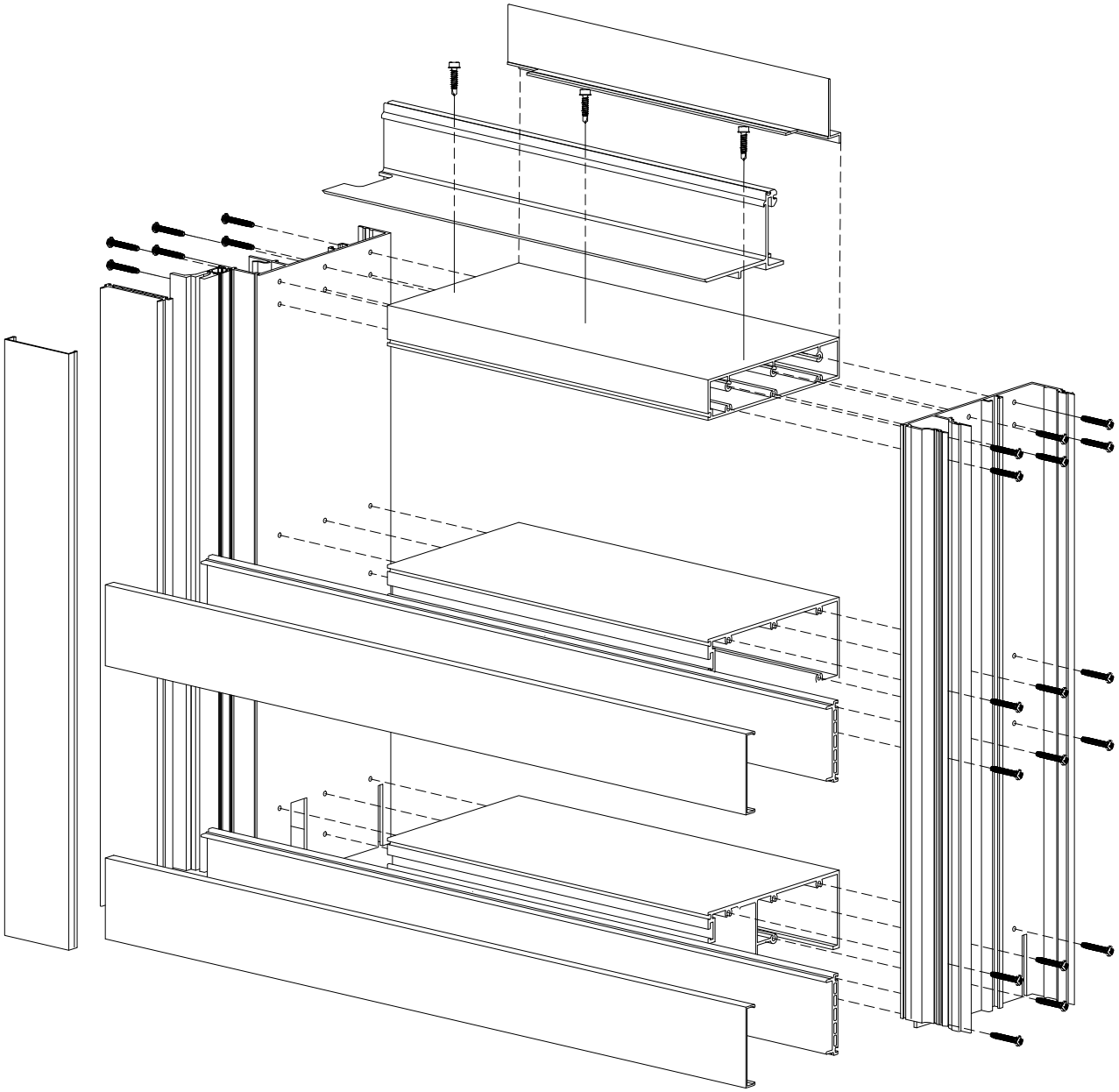
Index

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

PICTORIAL VIEW



TYPICAL BACK MEMBER UNIT
(CAPTURED SYSTEM)



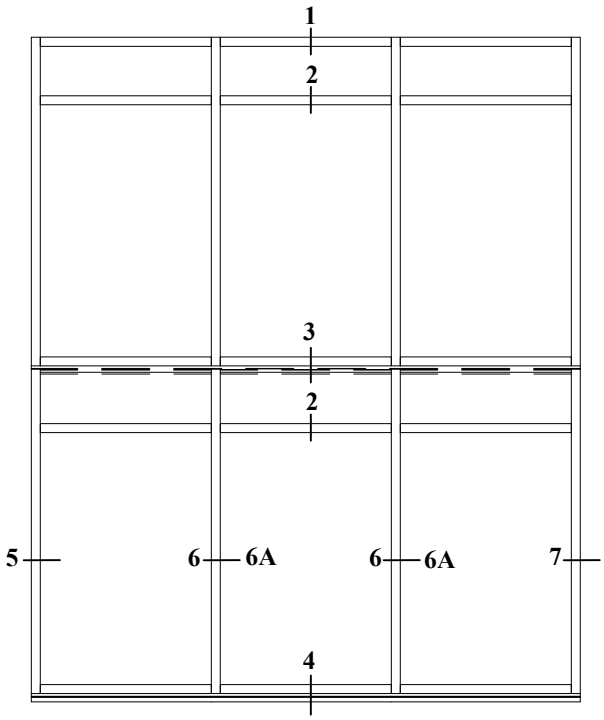
TYPICAL ASSEMBLY

(CAPTURED SYSTEM)

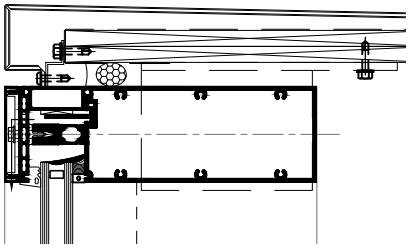
1" INFILL DETAILS (CAPTURED SYSTEM)

Additional information and CAD details are available at THERMTEK.COM

*INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the structural silicone manufacturer and the insulating glass unit manufacturer.



TYPICAL ELEVATION
(CAPTURED SYSTEM)



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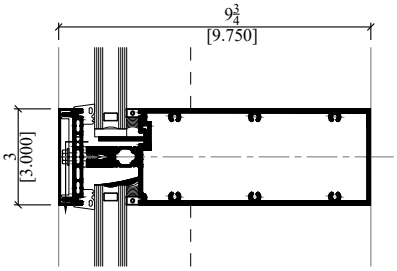

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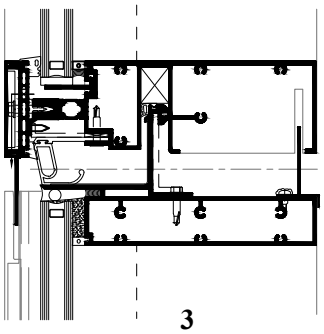

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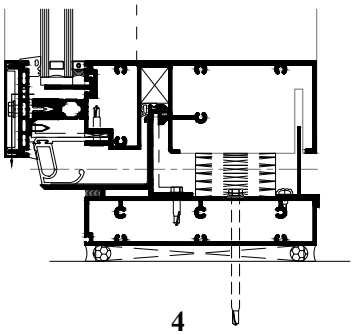

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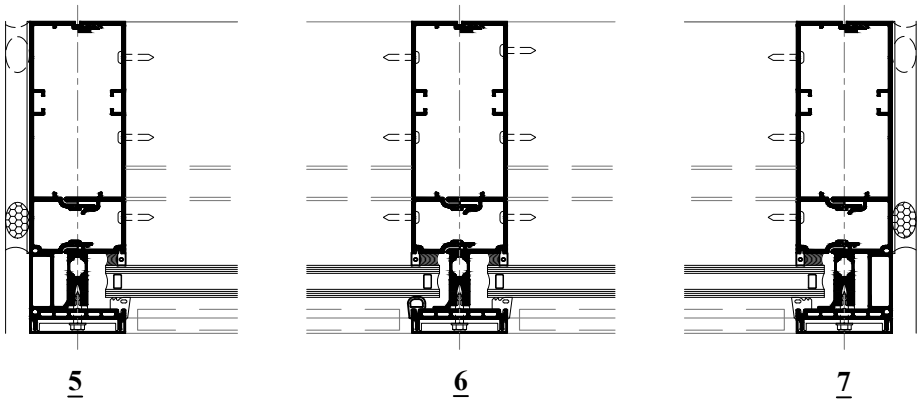

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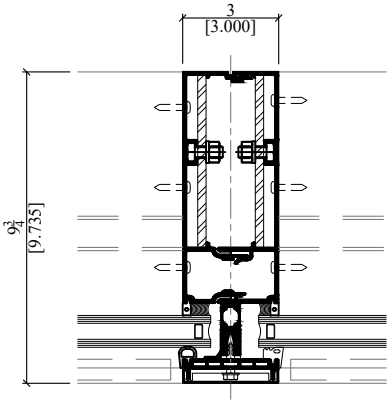
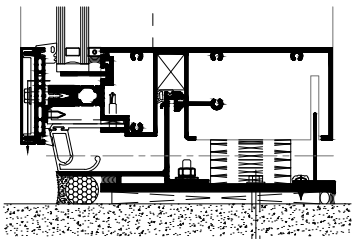


6A

OPTIONAL STEEL
REINFORCING AS REQUIRED



STARTER SILL LOW
PROFILE OPTION

THERMTEK
HIGH PERFORMANCE CURTAINWALL SYSTEMS

1" INFILL DETAILS (CAPTURED 7 $\frac{1}{2}$" SYSTEM)

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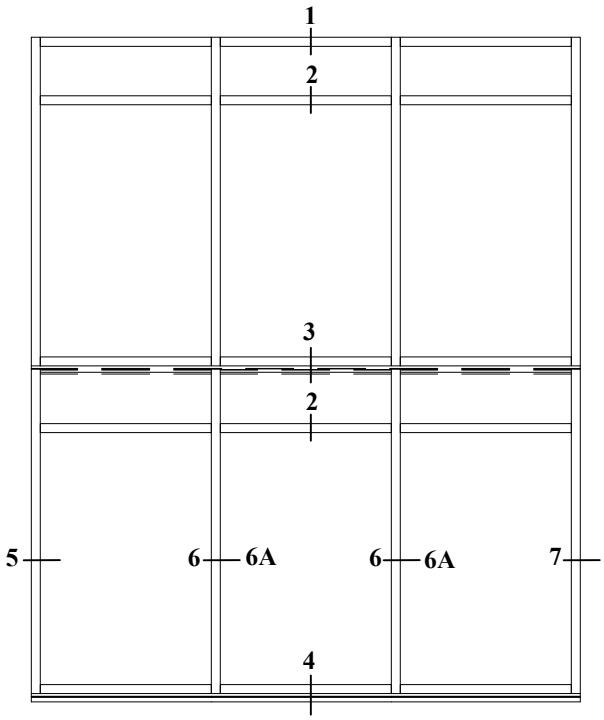
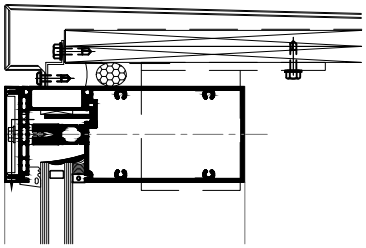


TYPICAL ELEVATION
(CAPTURED SYSTEM)



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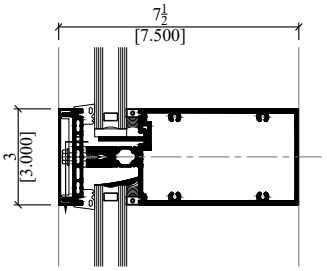

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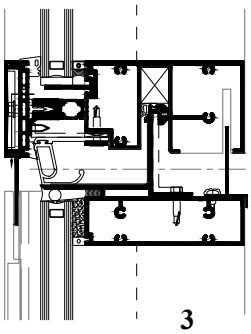

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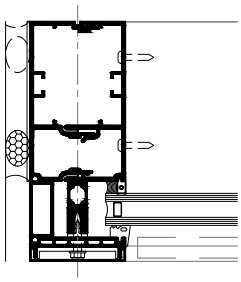

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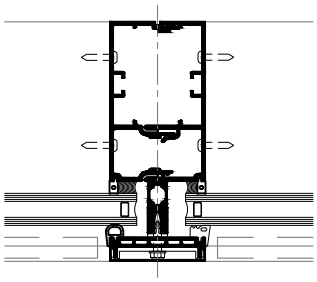

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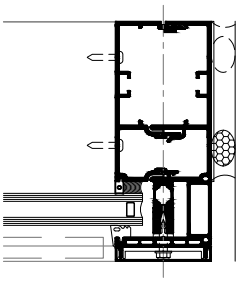

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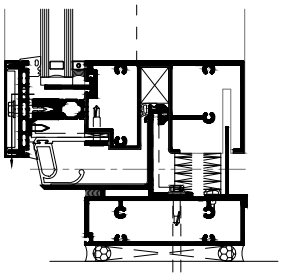

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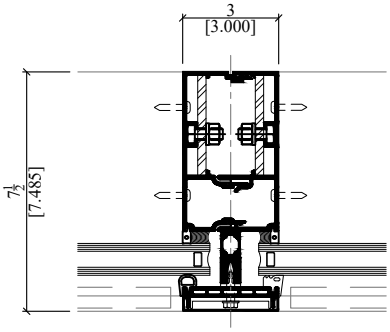
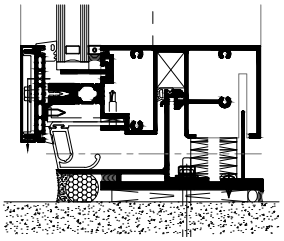


6A

OPTIONAL STEEL
REINFORCING AS REQUIRED



STARTER SILL LOW
PROFILE OPTION

THERMTEK
HIGH PERFORMANCE CURTAINWALL SYSTEMS

1" INFILL DETAILS (VERTICAL SSG)

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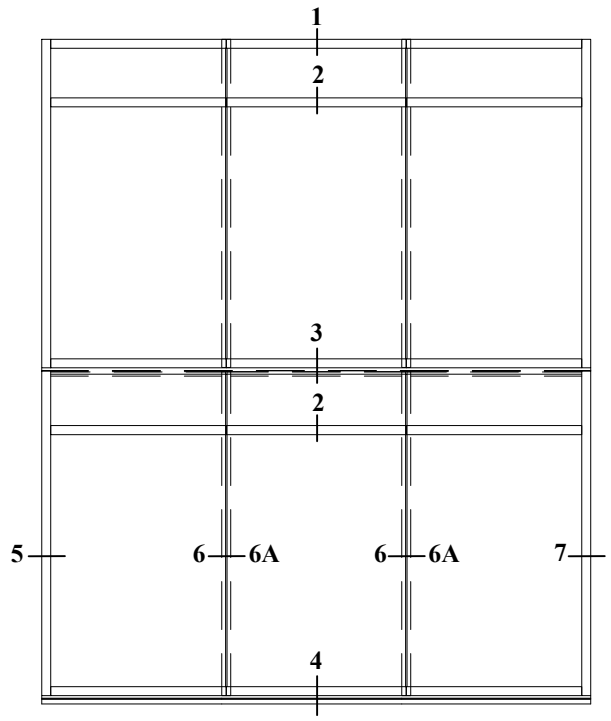
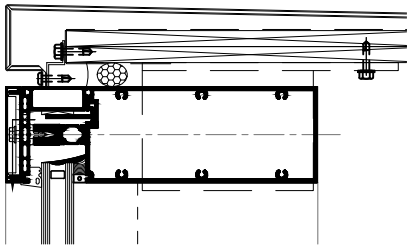


TYPICAL ELEVATION
(VERTICAL SSG)



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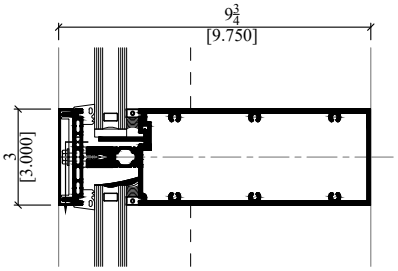

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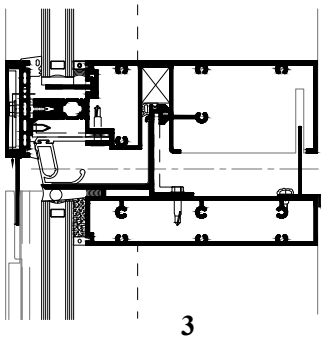

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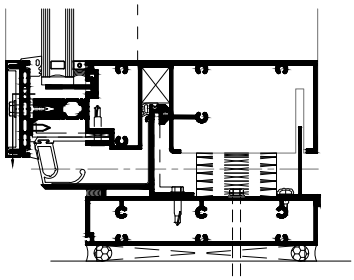

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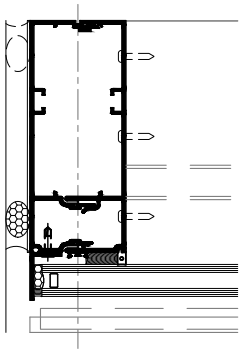

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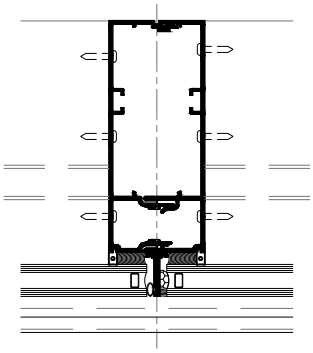

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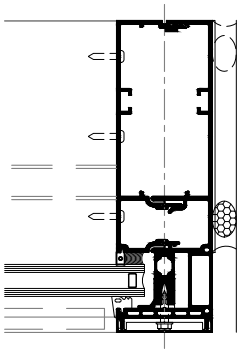

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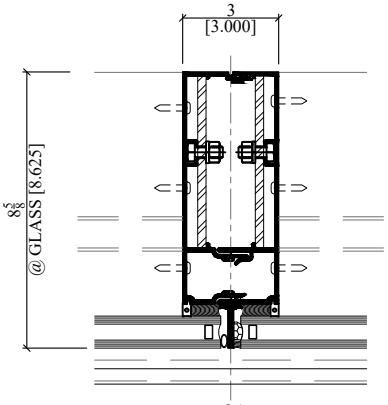
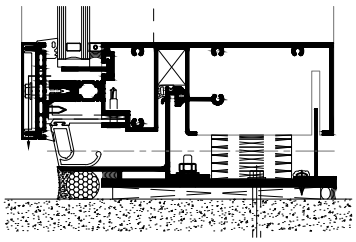


6A

OPTIONAL STEEL
REINFORCING AS REQUIRED



STARTER SILL LOW
PROFILE OPTION

1 INFILL DETAILS (HORIZONTAL SSG)

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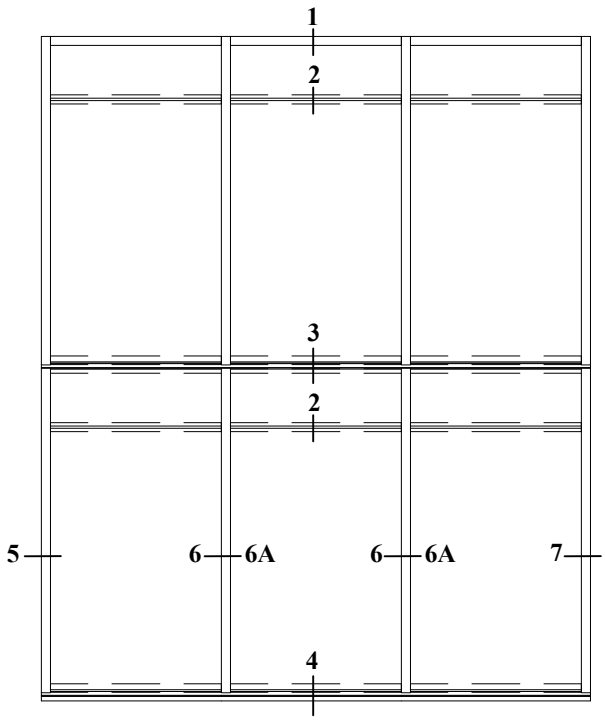
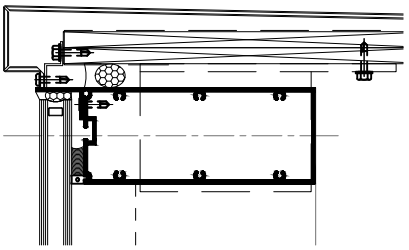


TYPICAL ELEVATION
(HORIZONTAL SSG)



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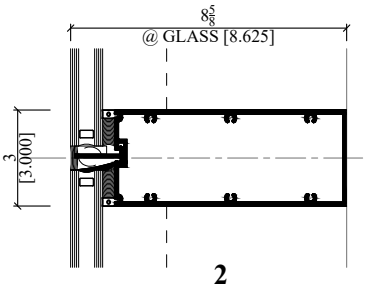

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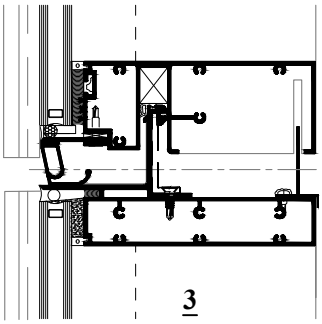

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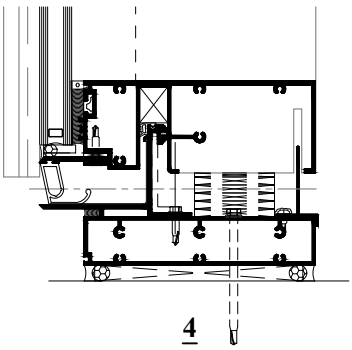

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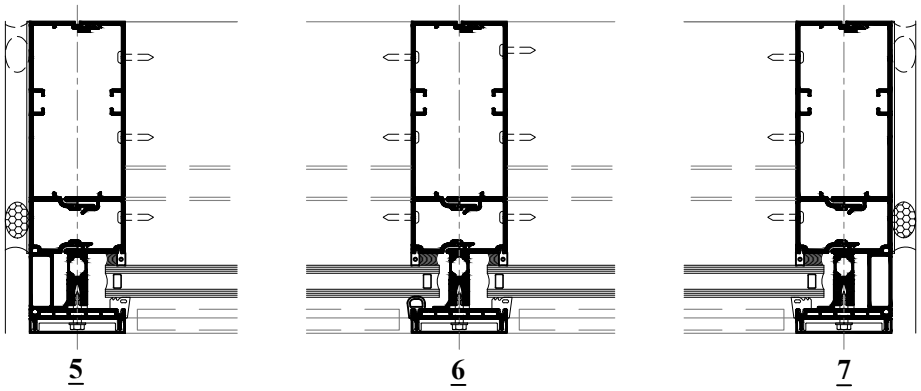

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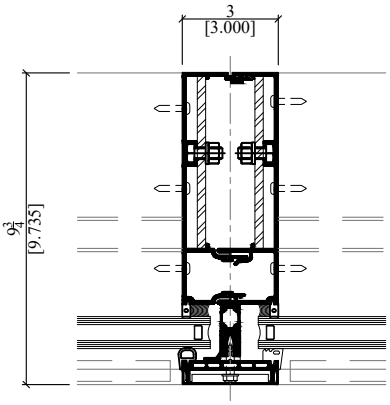

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OPTIONAL STEEL
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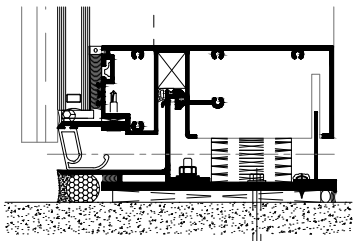

STARTER SILL LOW
PROFILE OPTION

1" INFILL DETAILS (CAPTURED CORNERS)

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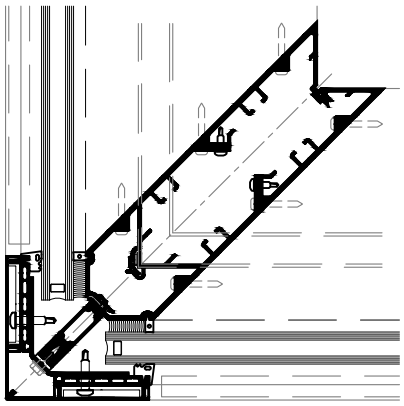
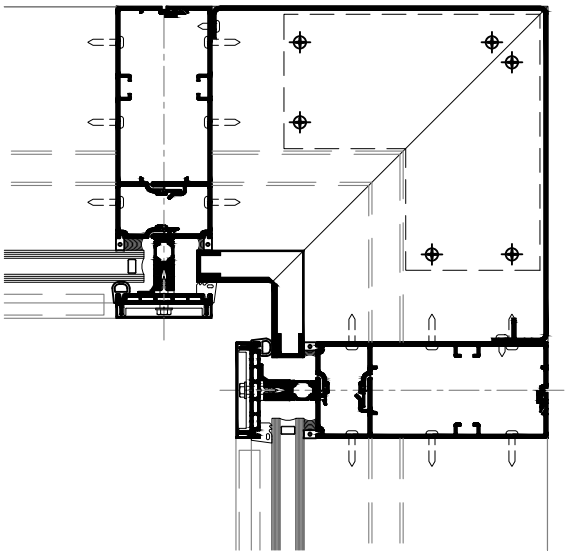


90º OUTSIDE CORNER
(CAPTURED)



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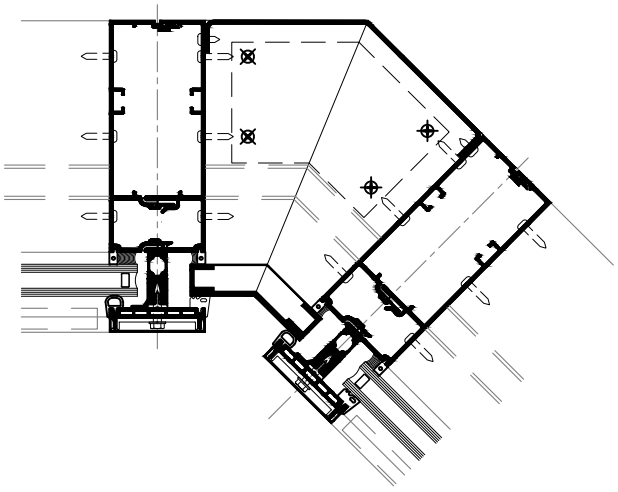
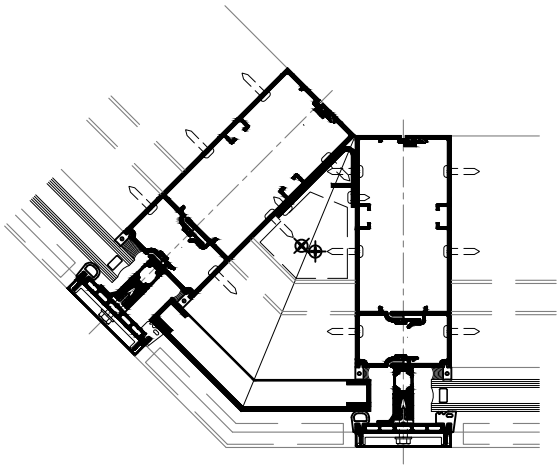


135º INSIDE CORNER
(CAPTURED)



135º OUTSIDE CORNER
(CAPTURED)

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1" INFILL DETAILS (SSG CORNERS)

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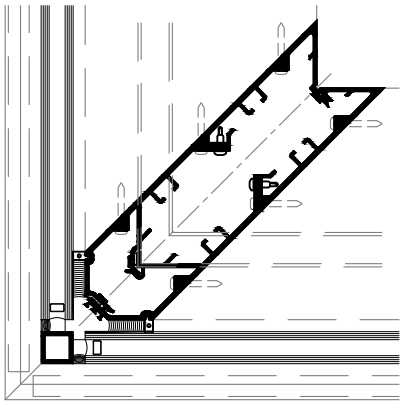

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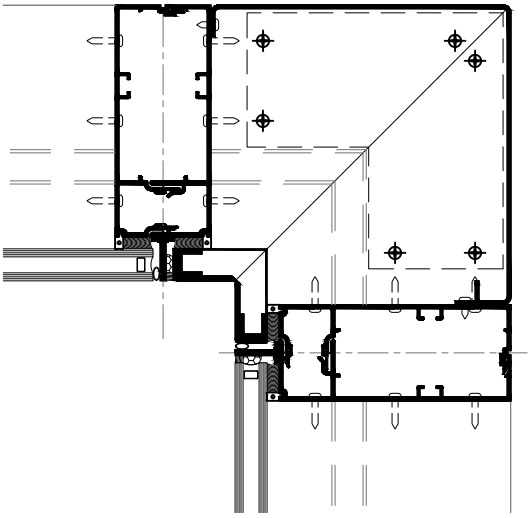

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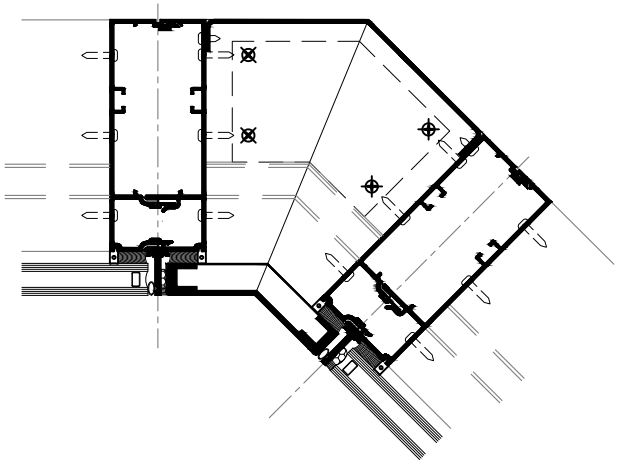

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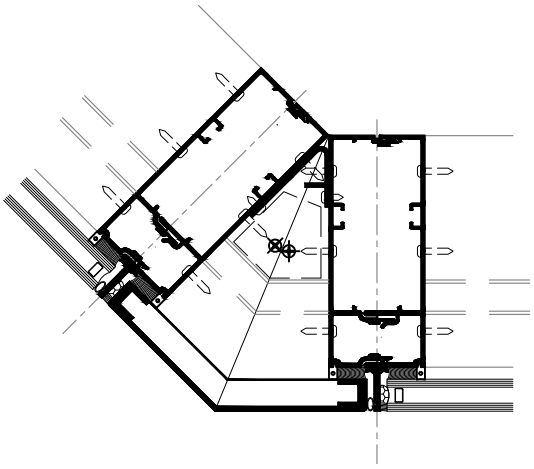

135º OUTSIDE CORNER
(SSG)

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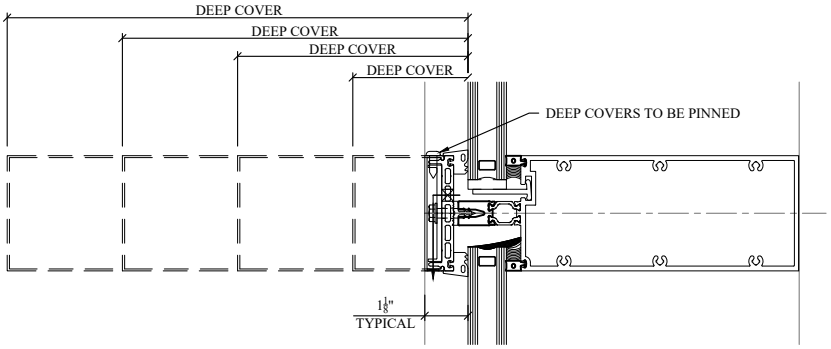
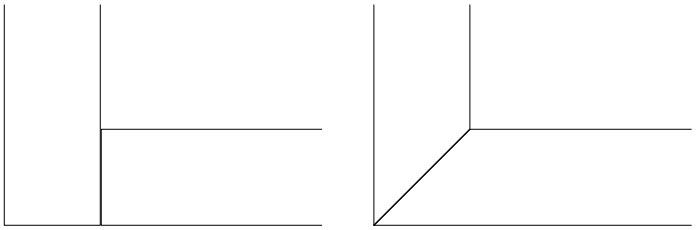
COVERS

Additional information and CAD details are available at THERMTEK.COM

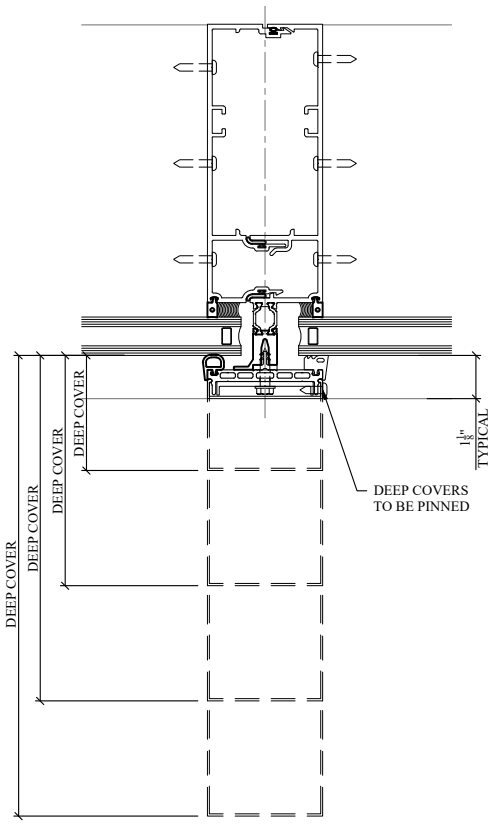


HORIZONTAL COVER DEPTH

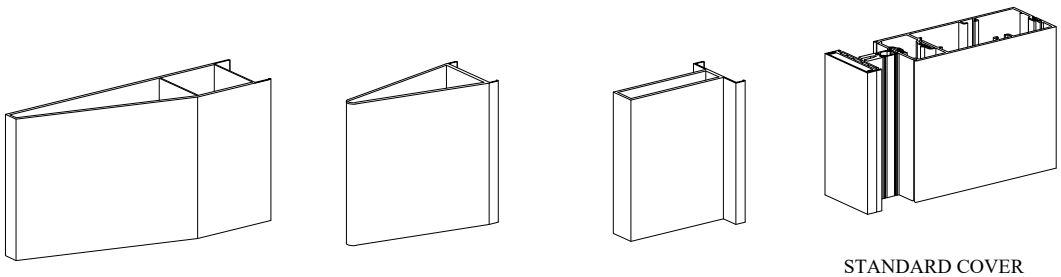


BUTT JOINT PICTURE FRAME

COVER FABRICATION



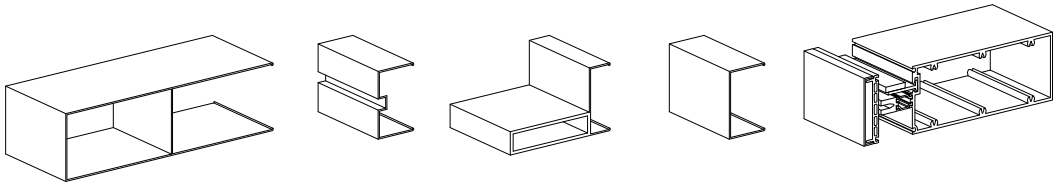
VERTICAL COVER DEPTH



DEEP SLOPED COVER | POINTED COVER | CENTER FIN COVER | STANDARD COVER ON VERTICAL

VARIETY OF COVER SHAPE OPTIONS FOR HORIZONTAL AND VERTICAL APPLICATIONS.

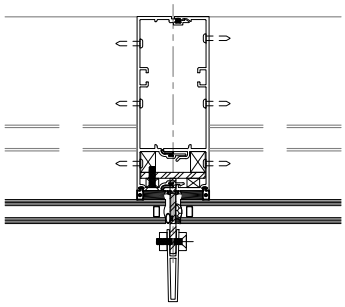
NOTE: NOT LIMITED TO OPTIONS SHOWN



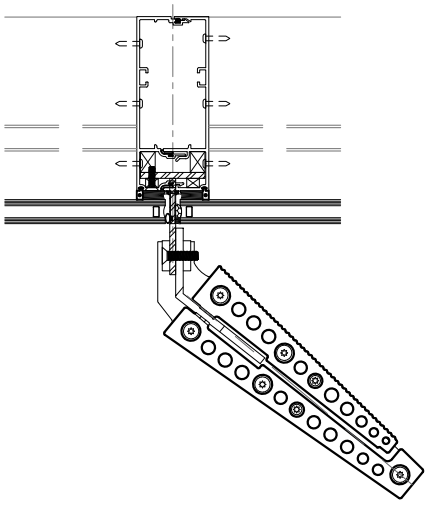
DEEP SQUARE COVER | REVEAL COVER | OFFSET FIN COVER | EXTENDED COVER | STANDARD COVER ON HORIZONTAL

VERTICAL ATTACHMENTS

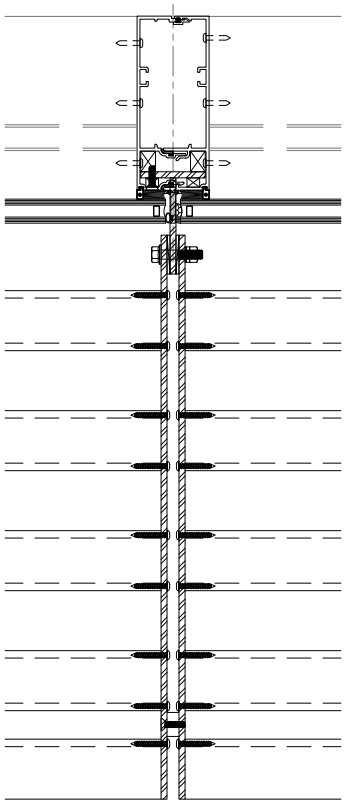
Additional information and CAD details are available at THERMTEK.COM

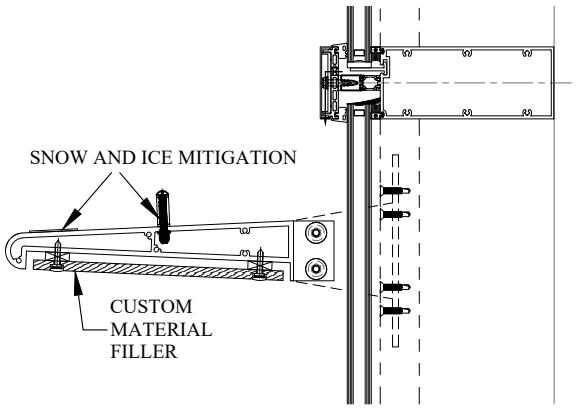


VERTICAL ALUM. FINS

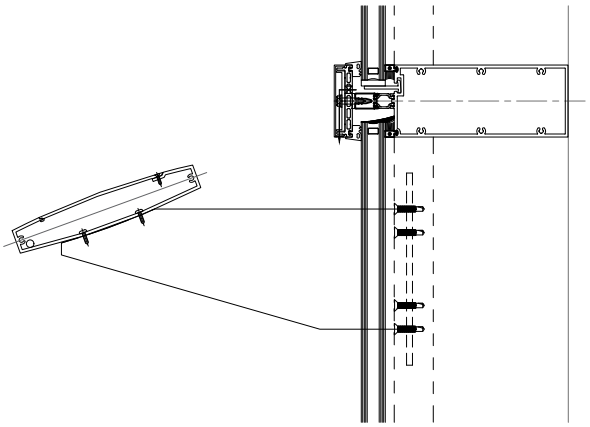


VERTICAL TERRACOTTA FINS



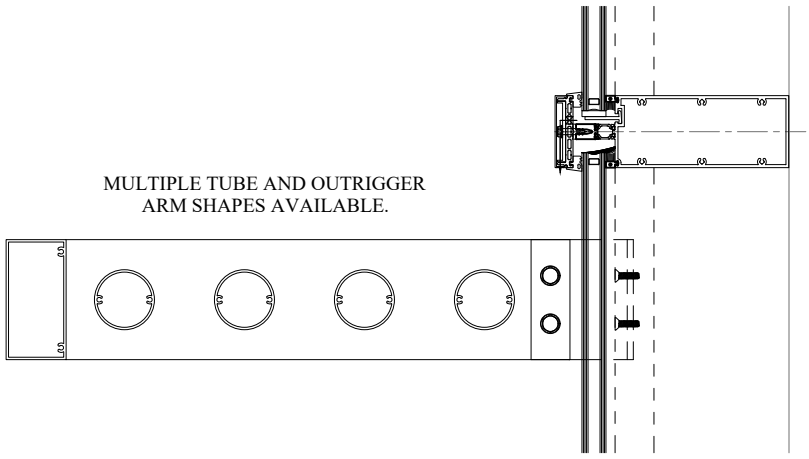


SUNSHADE w/CUSTOM SOFFIT



SINGLE BLADE SUNSHADE

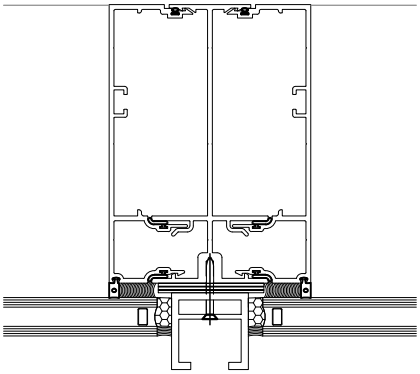
NOTE: Attachments do not penetrate air and water lines.
Attachment and bracket will vary per job conditions and calculations.



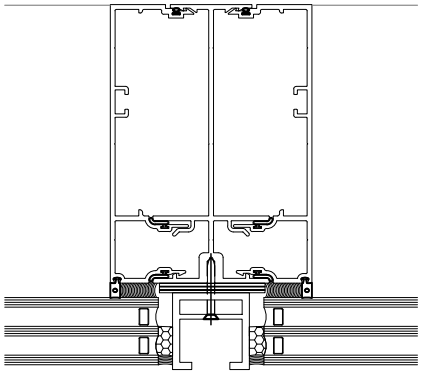
HORIZONTAL SUNSHADES

WINDOW WASHER

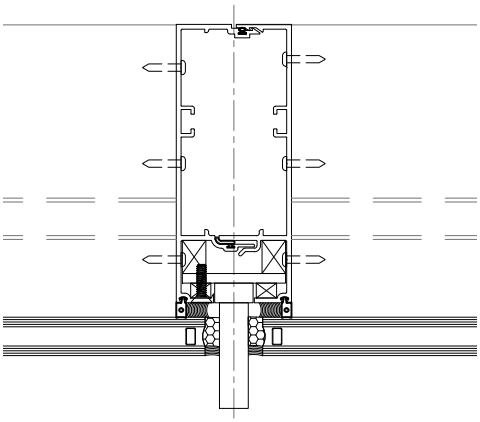
Additional information and CAD details are available at THERMTEK.COM



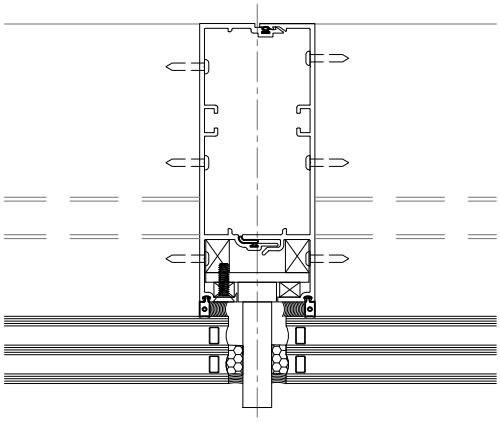
WINDOW WASHER CHANNEL DOUBLE GLAZED



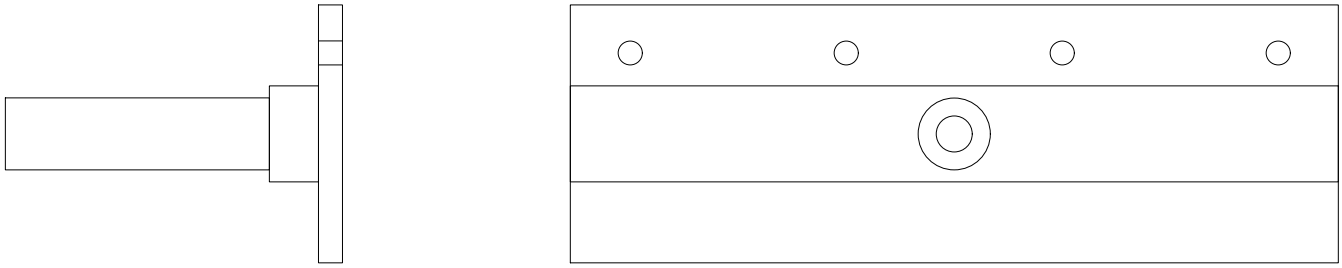
WINDOW WASHER CHANNEL TRIPLE GLAZED



WINDOW WASHER PIN DOUBLE GLAZED

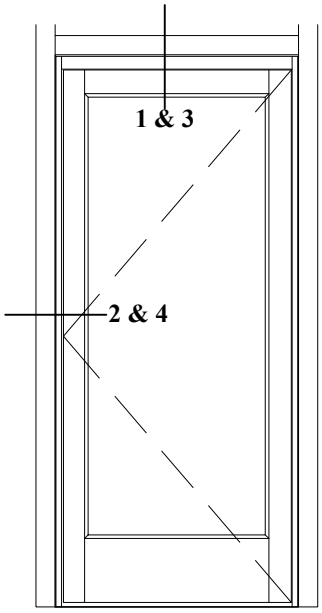


WINDOW WASHER PIN TRIPLE GLAZED



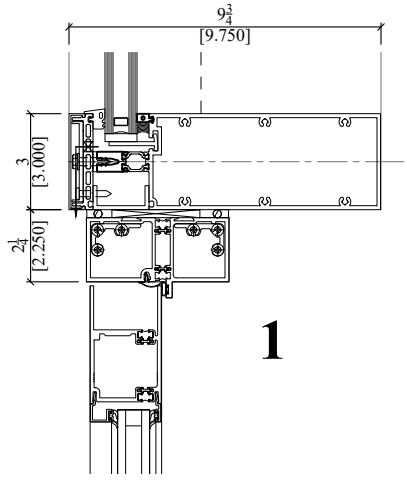
WINDOW WASHER PIN BRACKET

Additional information and CAD details are available at THERMTEK.COM

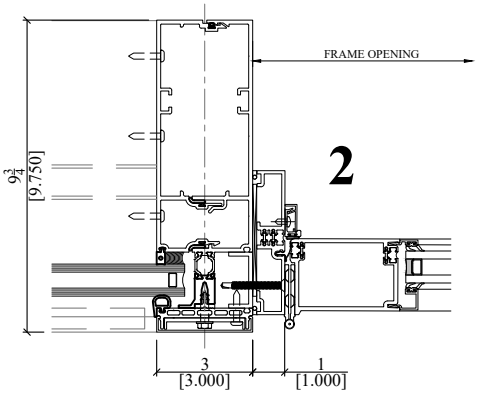


NOTE: 350T THERMAL DOOR SHOWN.
MULTIPLE TYPES OF KAWNEER DOORS MAY BE USED WITH THIS FRAMING SYSTEM.

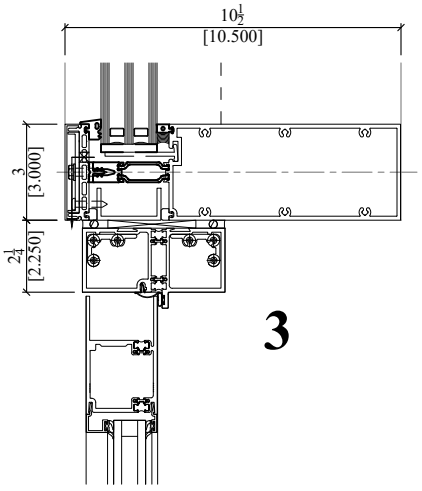
ELEVATION IS NUMBER KEYED TO DETAILS



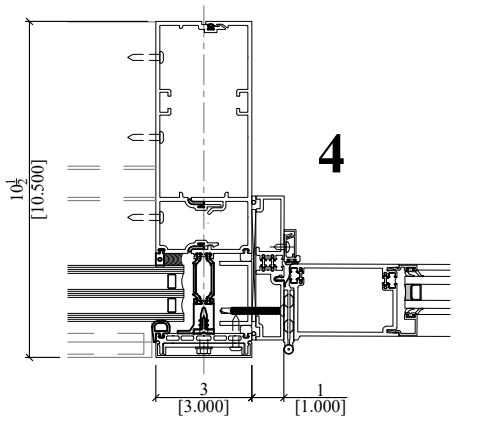
DOOR HEAD @ 1" GLASS



DOOR JAMB @ 1" GLASS



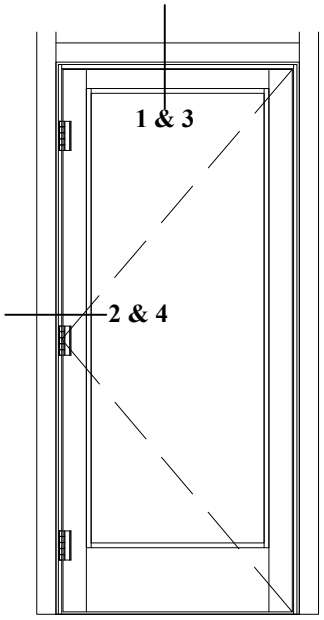
DOOR HEAD @ 1 ¾" GLASS



DOOR JAMB @ 1 ¾" GLASS

DOORS (2000T)

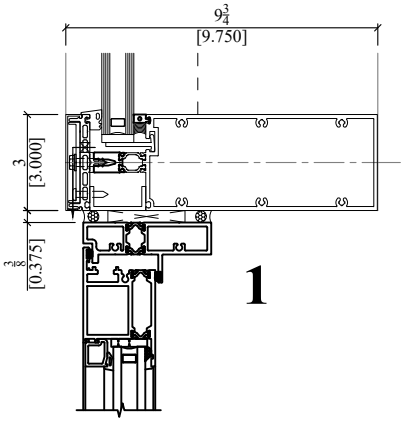
Additional information and CAD details are available at THERMTEK.COM



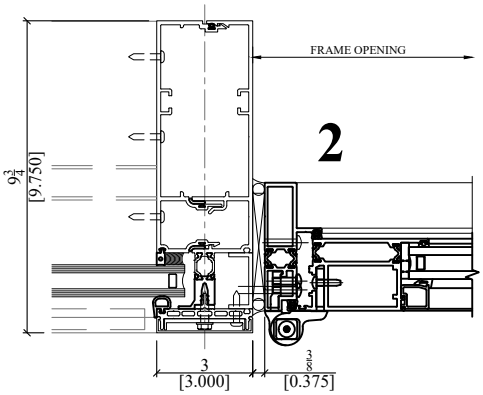
NOTE: 2000T TERRACE DOOR REQUIRES MIN. 38 $\frac{1}{4}$" FRAME OPENING

NOTE: 2000T TERRACE DOOR SHOWN. MULTIPLE TYPES OF KAWNEER DOORS MAY BE USED WITH THIS FRAMING SYSTEM.

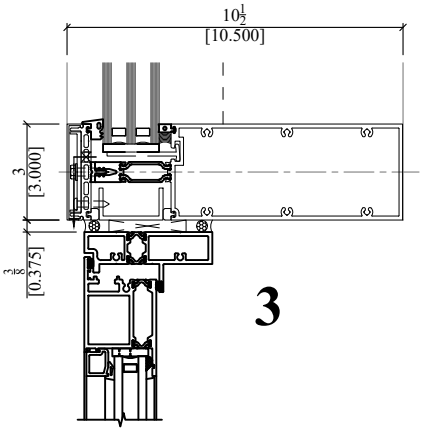
ELEVATION IS NUMBER KEYED TO DETAILS



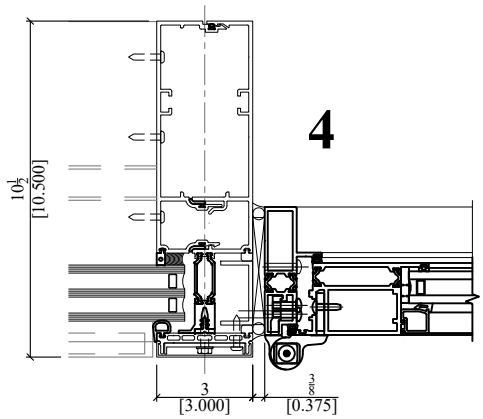
DOOR HEAD @ 1" GLASS



DOOR JAMB @ 1" GLASS



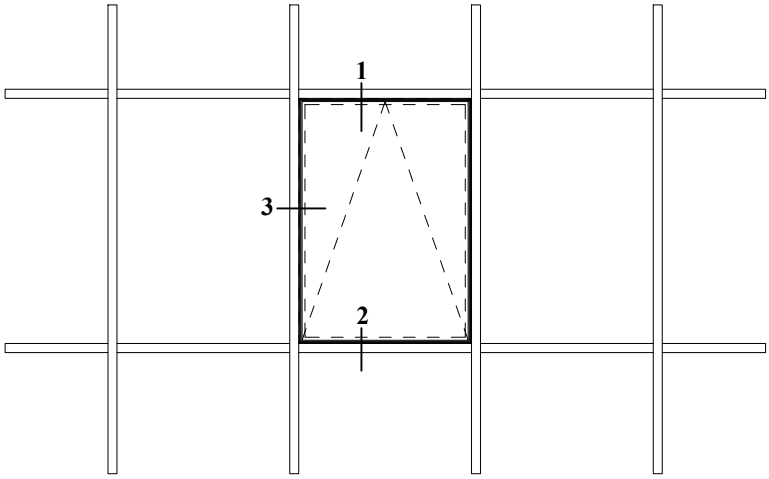
DOOR HEAD @ 1 $\frac{3}{4}$" GLASS



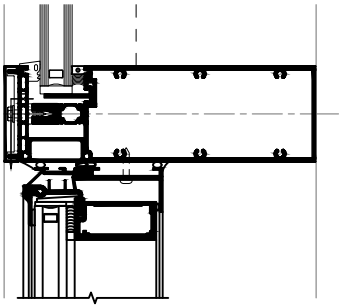
DOOR JAMB @ 1 $\frac{3}{4}$" GLASS

1" INFILL DETAILS (VENT)

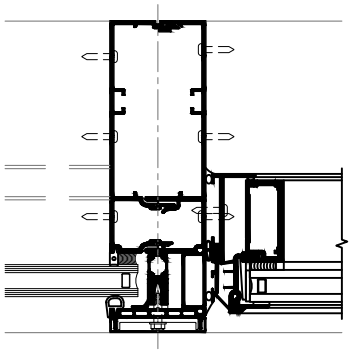
Additional information and CAD details are available at THERMTEK.COM



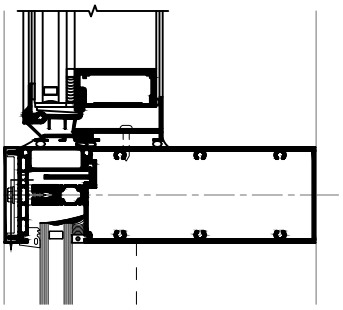
VENT ELEVATION



1.) HEAD



3.) JAMB



2.) SILL

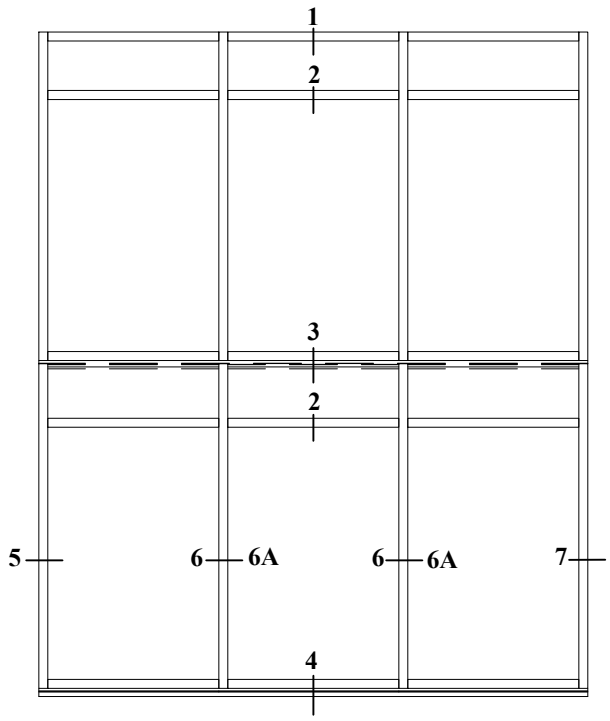
Project-out Glassvent UT window shown
Casement window similar

*INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the structural silicone manufacturer and the insulating glass unit manufacturer.

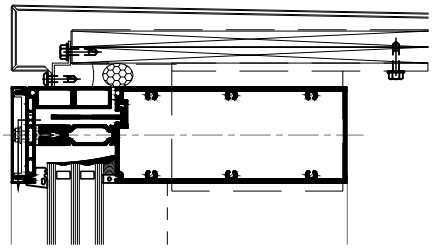
1 3/4" INFILL DETAILS (CAPTURED SYSTEM)

Additional information and CAD details are available at THERMTEK.COM

*INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the structural silicone manufacturer and the insulating glass unit manufacturer.



TYPICAL ELEVATION
(CAPTURED SYSTEM)



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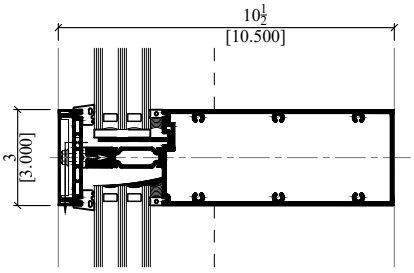

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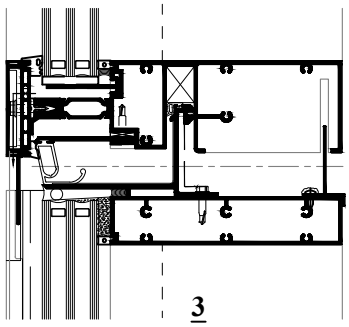

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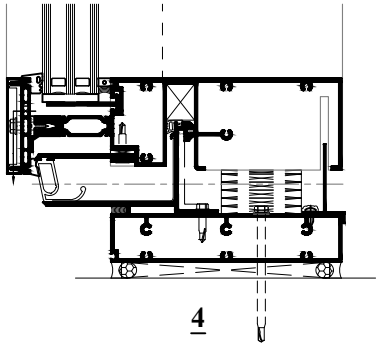

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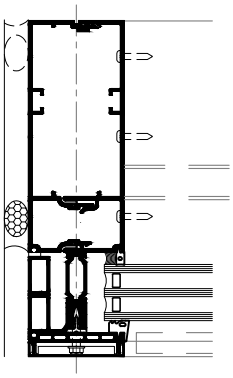

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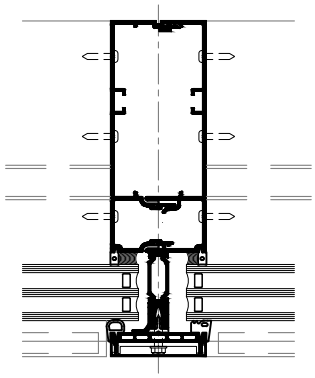

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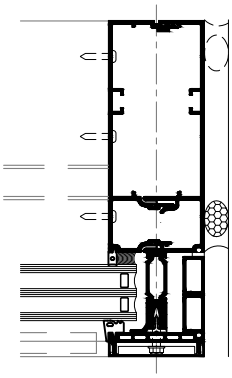

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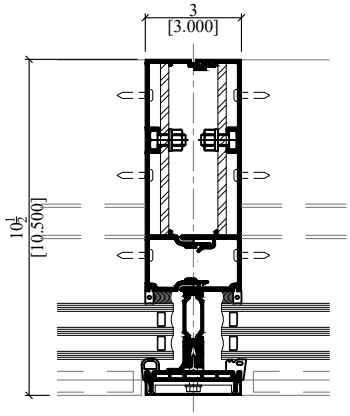
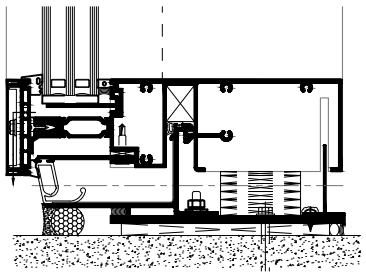


6A

OPTIONAL STEEL
REINFORCING AS REQUIRED

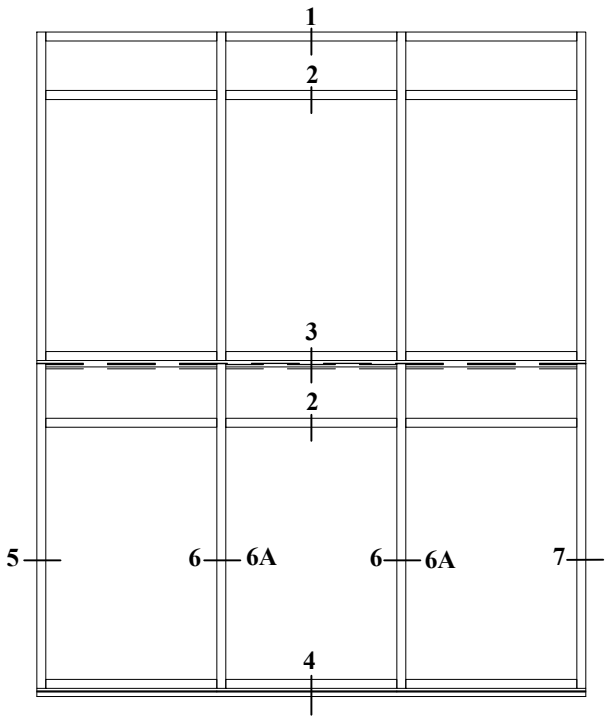


STARTER SILL LOW
PROFILE OPTION

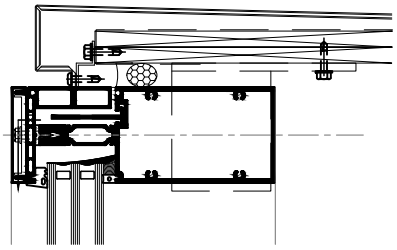
1 3/4" INFILL DETAILS (CAPTURED 8 1/4" SYSTEM)

Additional information and CAD details are available at THERMTEK.COM

*INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the structural silicone manufacturer and the insulating glass unit manufacturer.



TYPICAL ELEVATION
(CAPTURED SYSTEM)



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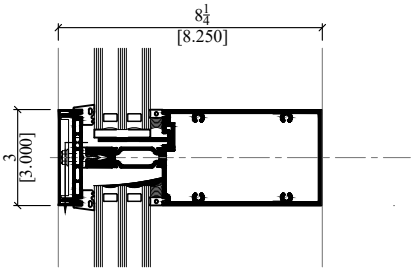

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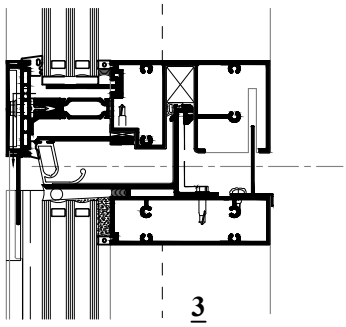

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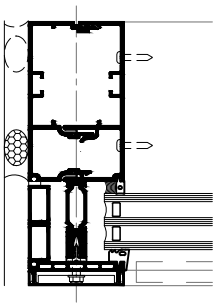

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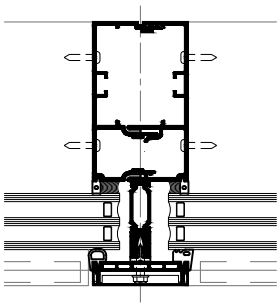

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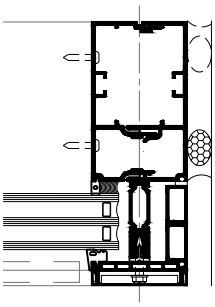

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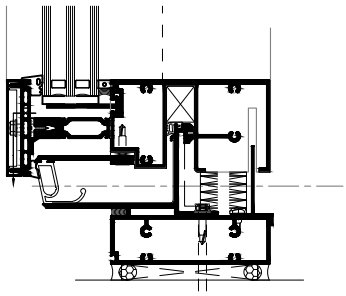

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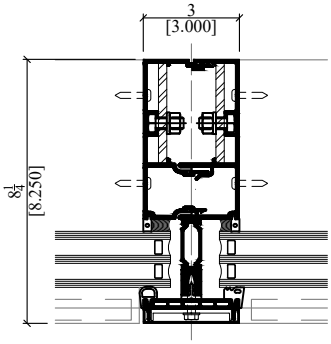
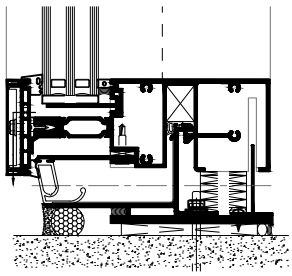


6A

OPTIONAL STEEL
REINFORCING AS REQUIRED

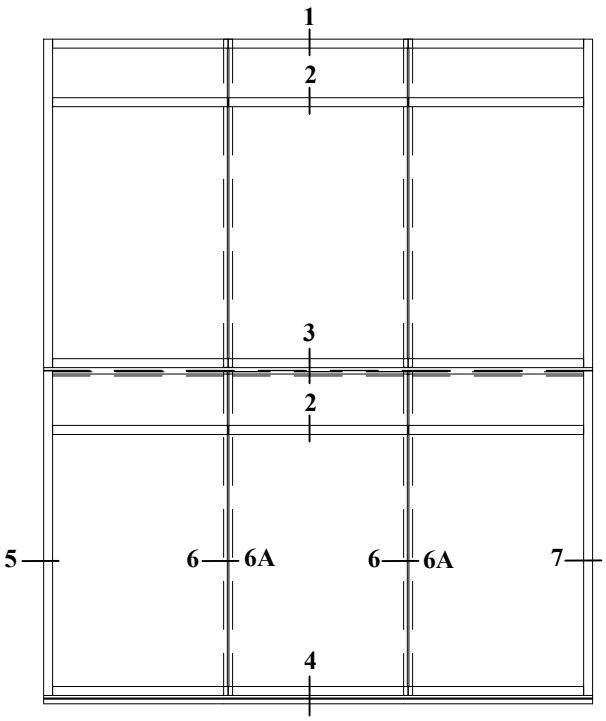


STARTER SILL LOW
PROFILE OPTION

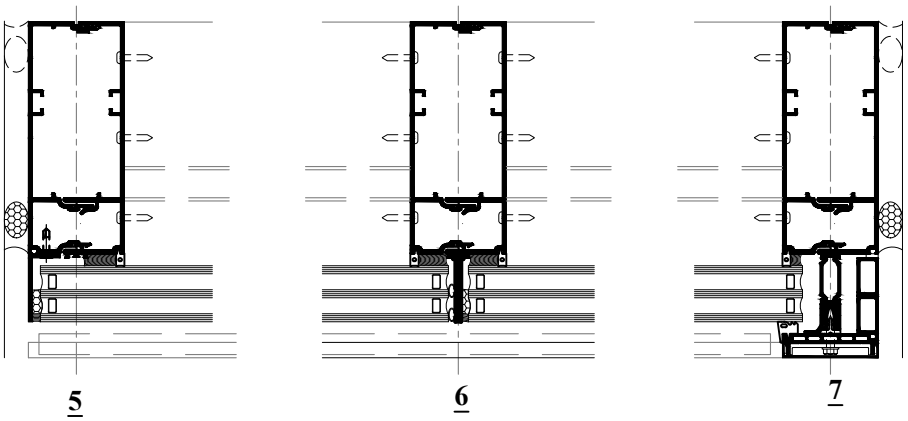
1 3/4" INFILL DETAILS (VERTICAL SSG)

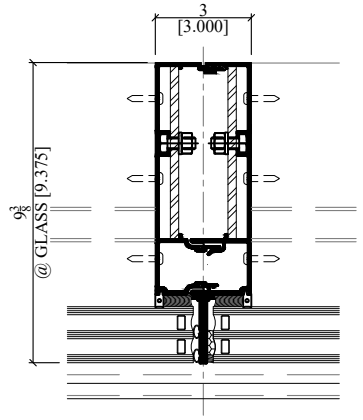
Additional information and CAD details are available at THERMTEK.COM

*INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the structural silicone manufacturer and the insulating glass unit manufacturer.

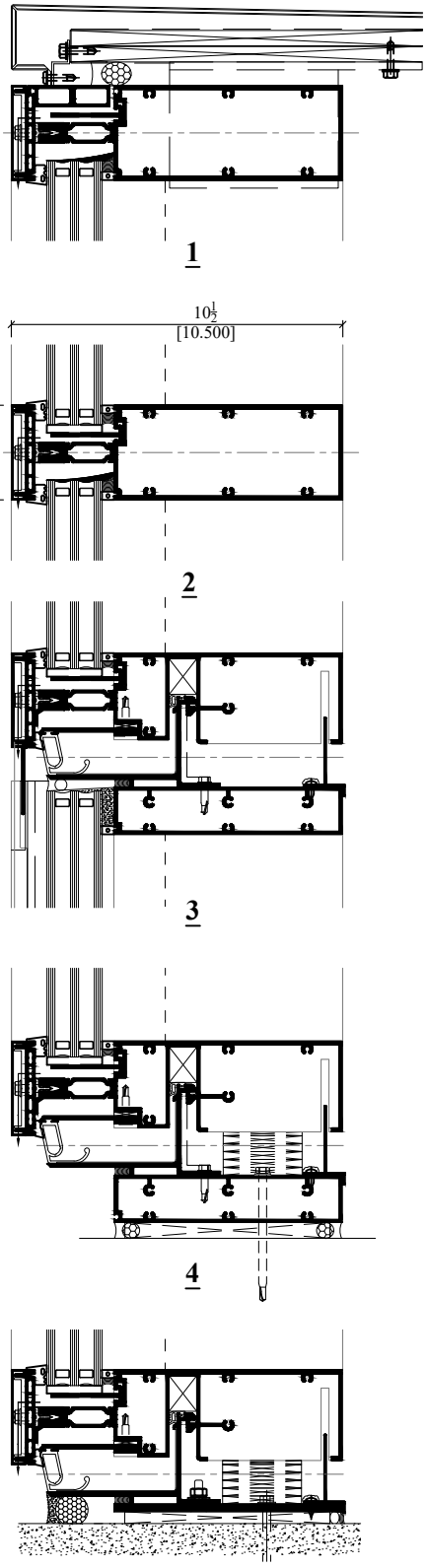


TYPICAL ELEVATION
(VERTICAL SSG)





6A
OPTIONAL STEEL
REINFORCING AS REQUIRED

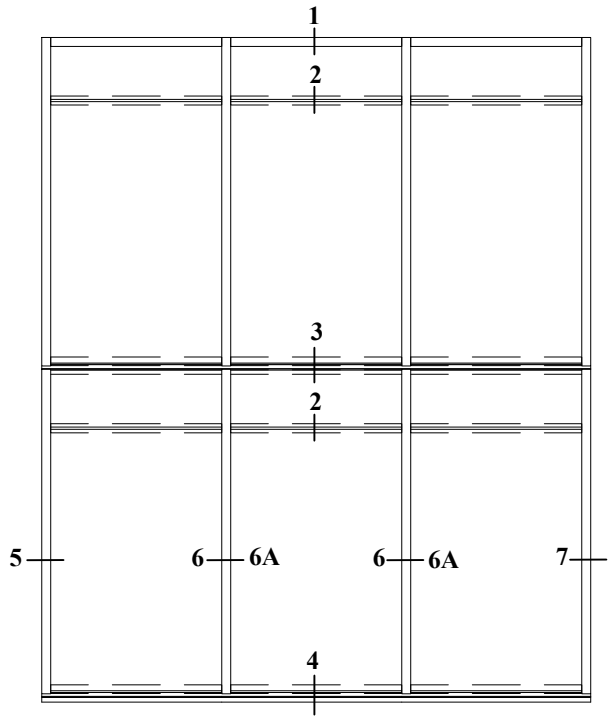


STARTER SILL LOW
PROFILE OPTION

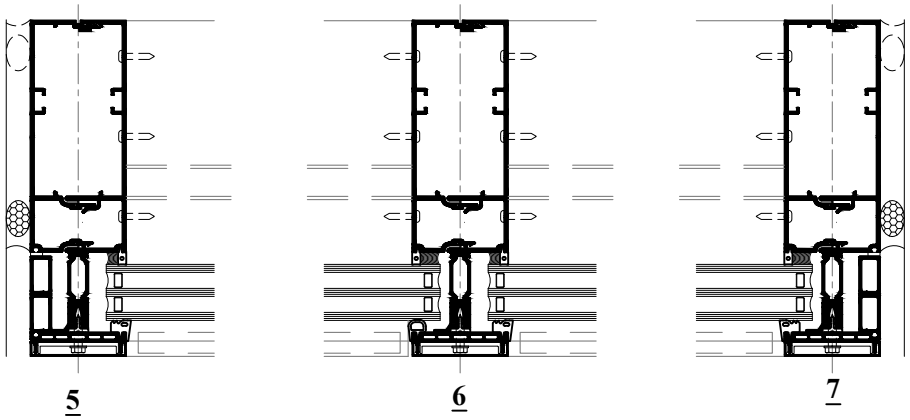
1 3/4" INFILL DETAILS (HORIZONTAL SSG)

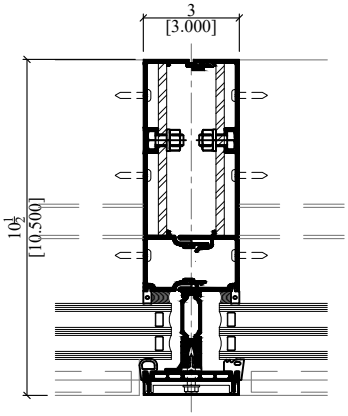
Additional information and CAD details are available at THERMTEK.COM

*INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the structural silicone manufacturer and the insulating glass unit manufacturer.

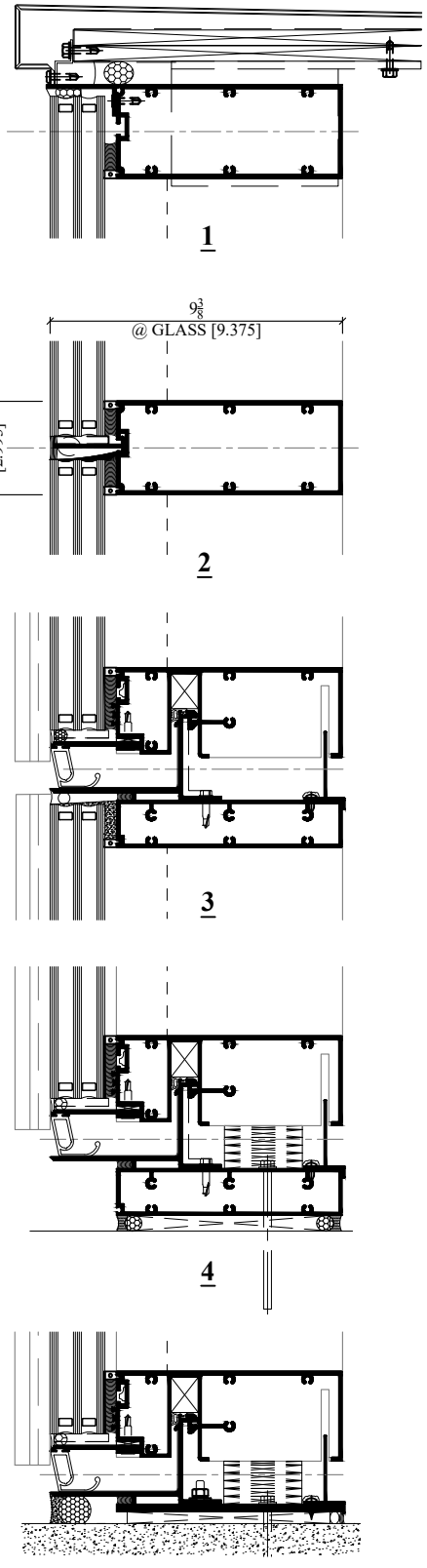


TYPICAL ELEVATION
(HORIZONTAL SSG)





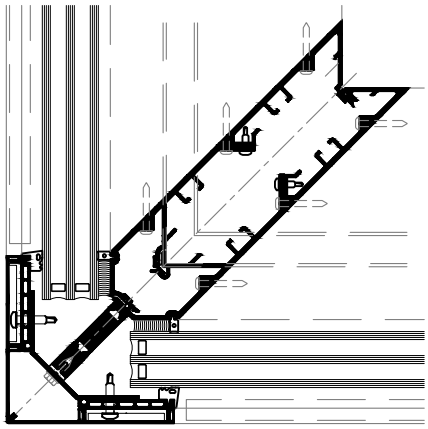
6A
OPTIONAL STEEL
REINFORCING AS REQUIRED



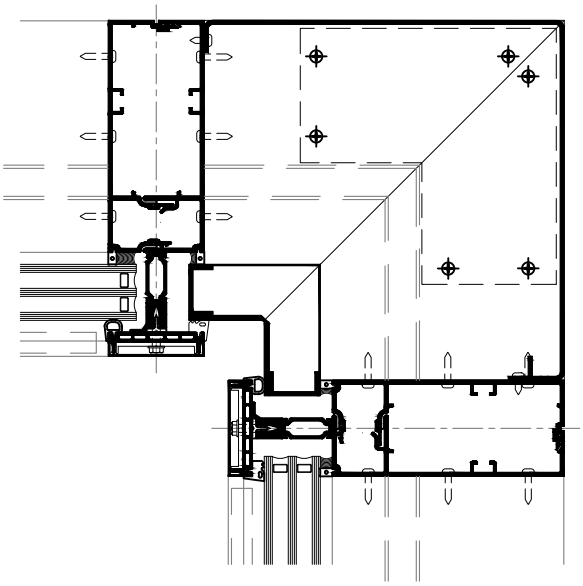
STARTER SILL LOW
PROFILE OPTION

1 ¾" INFILL DETAILS (CAPTURED CORNERS)

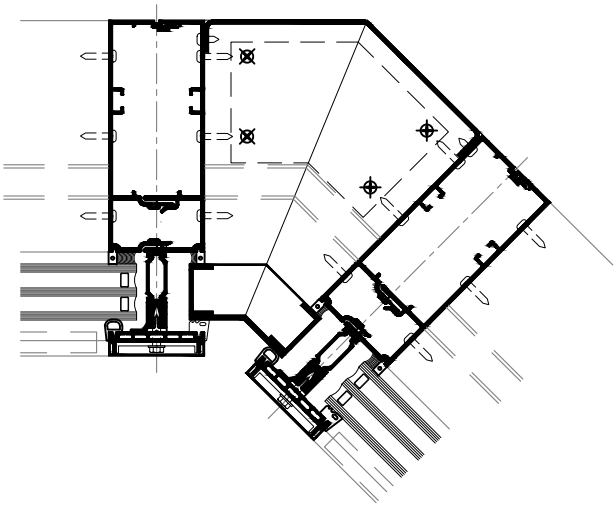
Additional information and CAD details are available at THERMTEK.COM



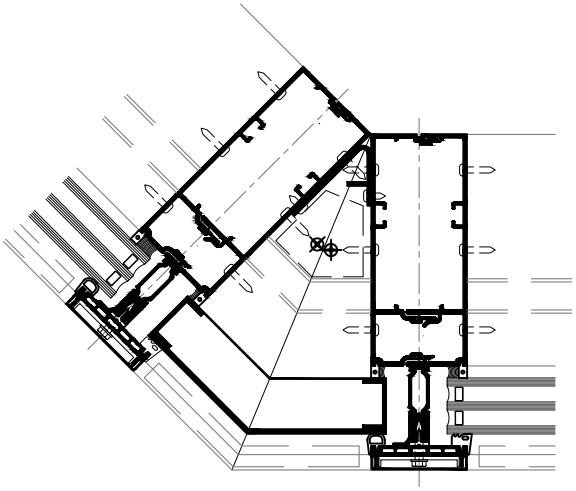
90º OUTSIDE CORNER
(CAPTURED)



90º INSIDE CORNER
(CAPTURED)



135º INSIDE CORNER
(CAPTURED)

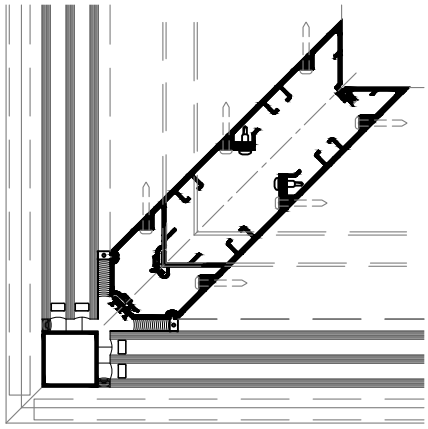


135º OUTSIDE CORNER
(CAPTURED)

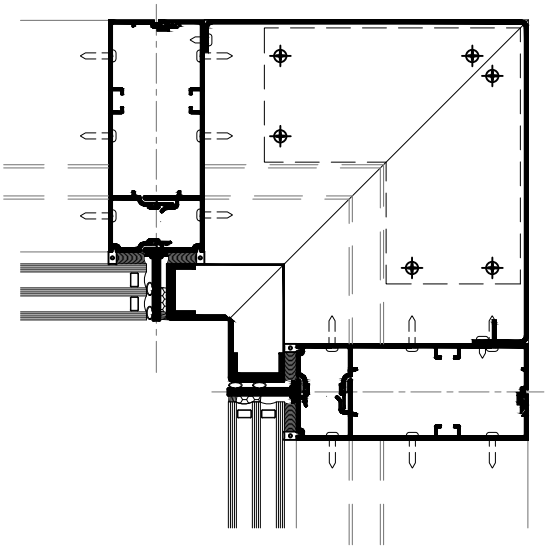
*INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the structural silicone manufacturer and the insulating glass unit manufacturer.

1 3/4" INFILL DETAILS (SSG CORNERS)

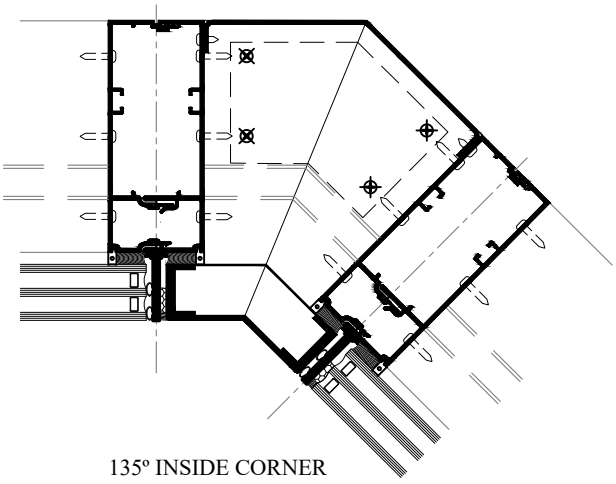
Additional information and CAD details are available at THERMTEK.COM



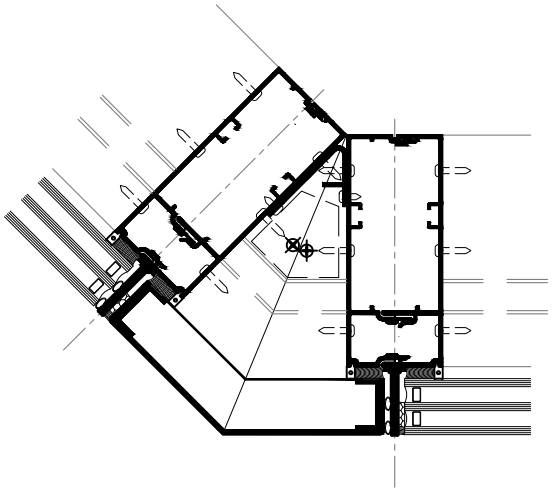
90º OUTSIDE CORNER
(SSG)



90º INSIDE CORNER
(SSG)



135º INSIDE CORNER
(SSG)

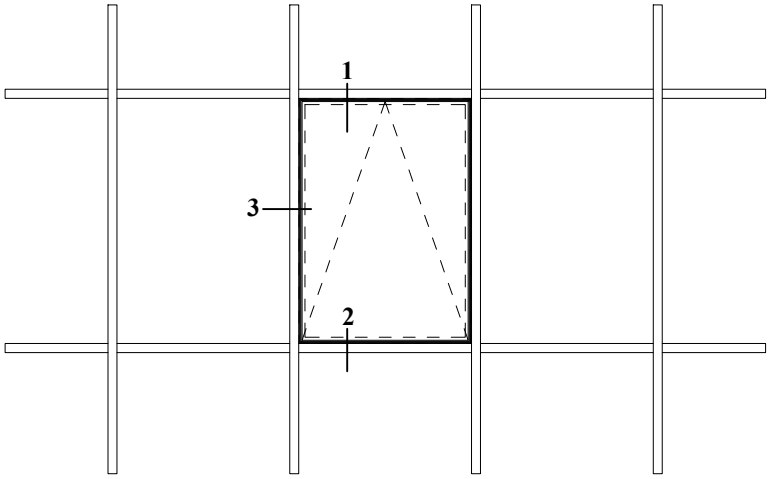


135º OUTSIDE CORNER
(SSG)

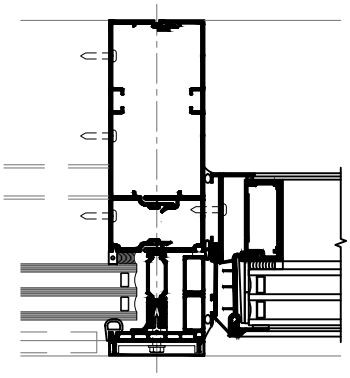
*INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the structural silicone manufacturer and the insulating glass unit manufacturer.

1 $\frac{3}{4}$" INFILL DETAILS (VENT)

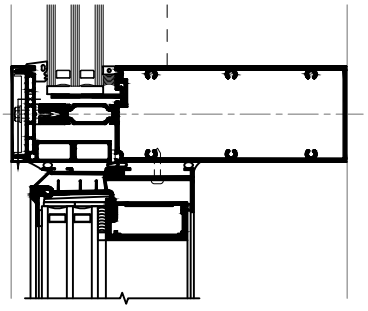
Additional information and CAD details are available at THERMTEK.COM



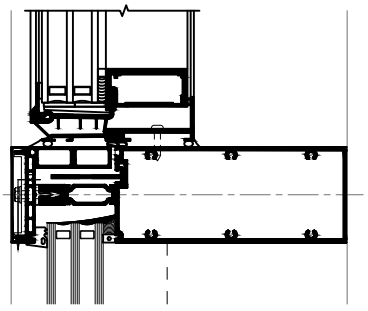
VENT ELEVATION



3.) JAMB



1.) HEAD

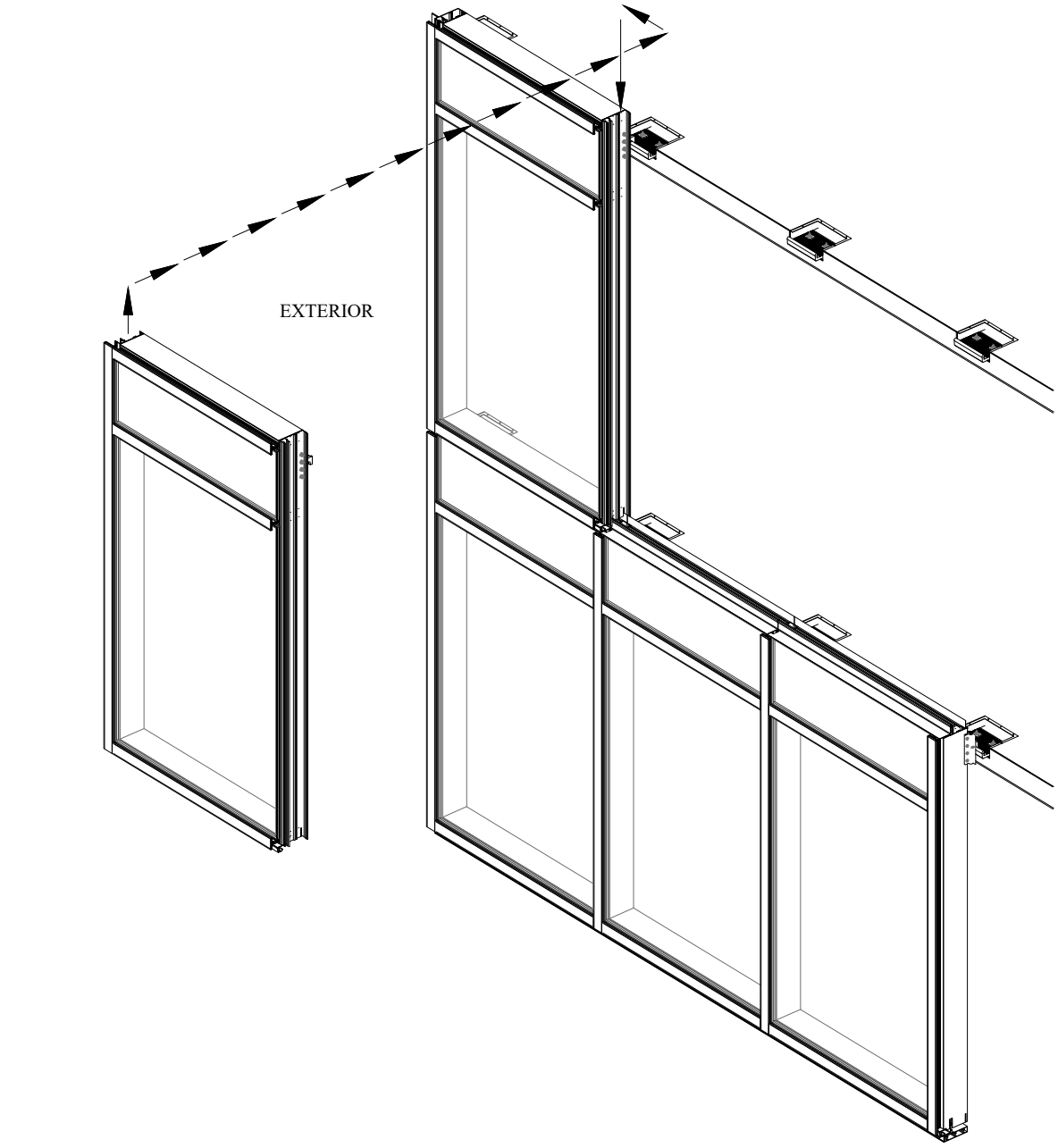


2.) SILL

Project-out Glassvent UT window shown
Casement window similar

*INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the structural silicone manufacturer and the insulating glass unit manufacturer.

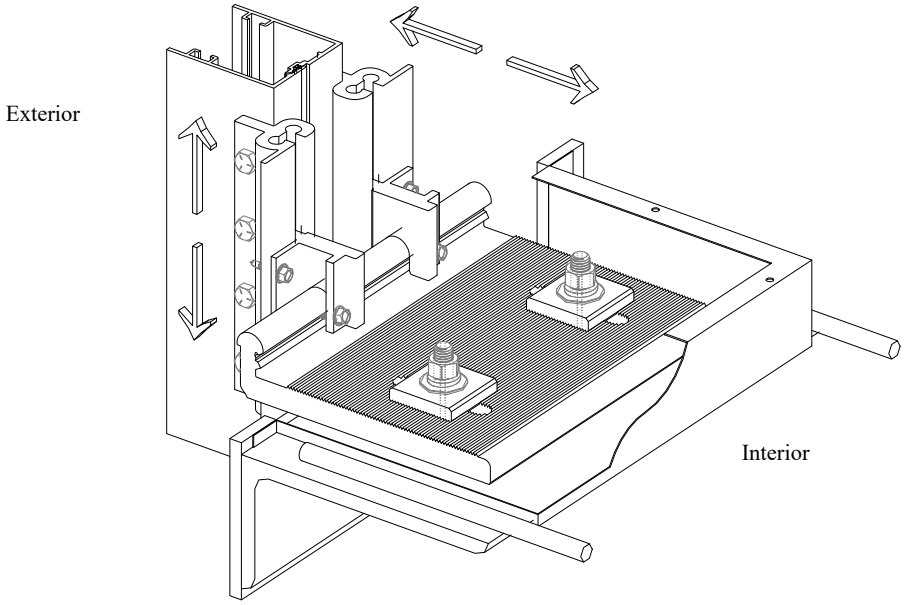
PICTORIAL VIEW

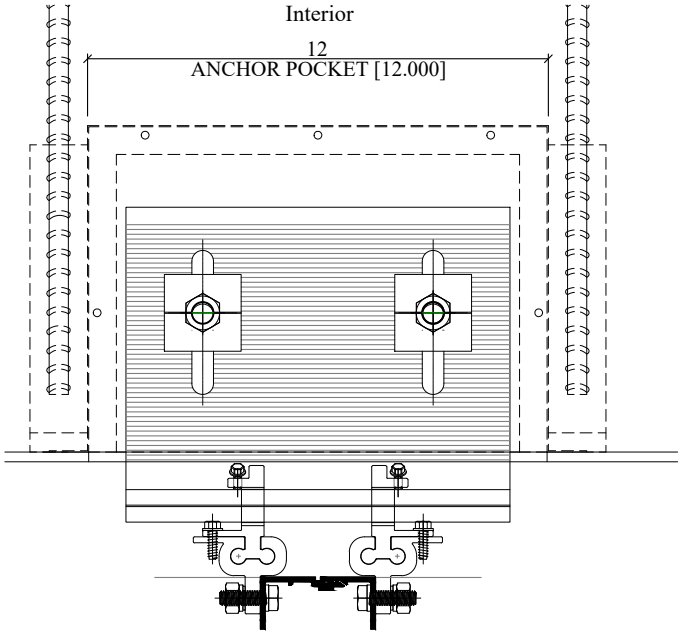


ADJUSTABLE ANCHOR
(EMBEDS)

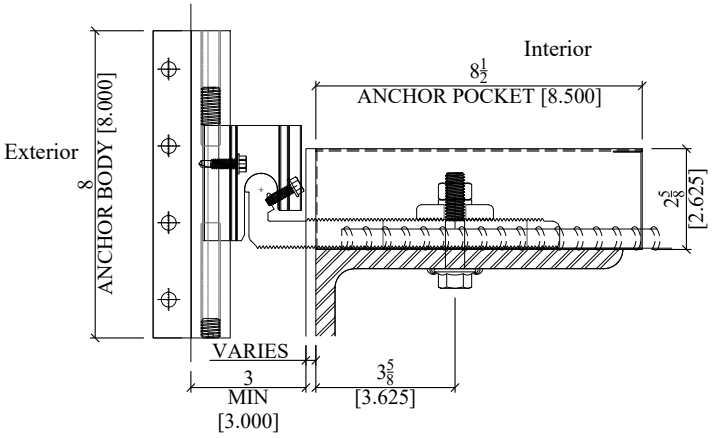
ADJUSTABLE ANCHOR

Additional information and CAD details are available at THERMTEK.COM





ANCHOR PLAN



ANCHOR SECTION

ADJUSTABLE ANCHOR (EMBEDS)

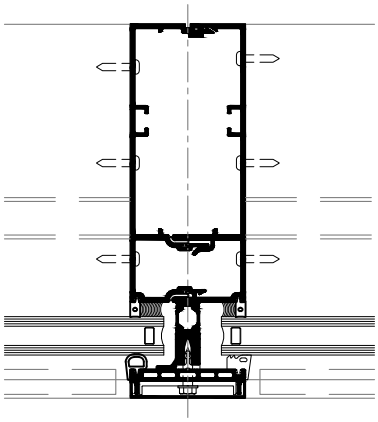
Additional information and CAD details are available at THERMTEK.COM

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 + $\frac{1}{4}$" above 13'-6". These are for mullions WITH HORIZONTALS and are based on engineering calculations for stress and deflection. allowable wind load stress for 13,400psi PER THE 2020 ALUMINUM DESIGN MANUAL FOR 6063-T6 ALUMINUM AND AN UNBRACED LENGTH OF 120".Wind load charts contained herein are based upon nominal wind load utilized in allowable stress design. For special situations not coverd by these, contact THERMTEK.COM.

MULLION ANALYSIS

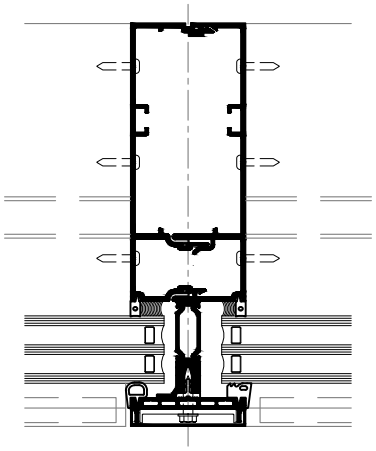
Additional information and CAD details are available at THERMTEK.COM



846IBG273 846IBG326
CAPTURED UNITIZED
DOUBLE GLAZED

$I = 21.516\ in^4$

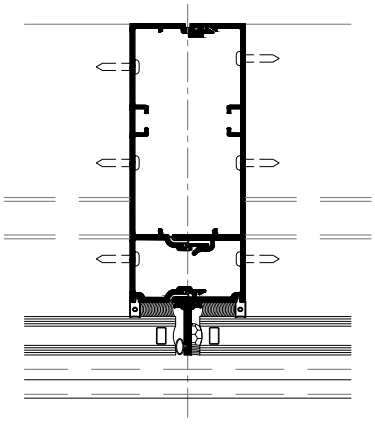
$S = 5.153\ in^3$



846IBG273 846IBG327
CAPTURED UNITIZED
TRIPLE GLAZED

$I = 21.516\ in^4$

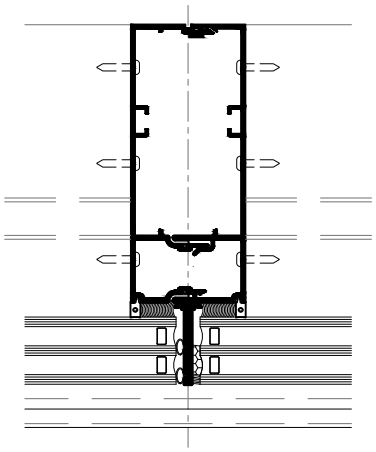
$S = 5.153\ in^3$



846IBG273 846IBG274
SSG UNITIZED
DOUBLE GLAZED

$I = 21.516\ in^4$

$S = 5.153 in^3$



846IBG273 846IBG274
SSG UNITIZED
TRIPLE GLAZED

$I = 21.516\ in^4$

$S = 5.153\ in^3$

*INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the structural silicone manufacturer and the insulating glass unit manufacturer.

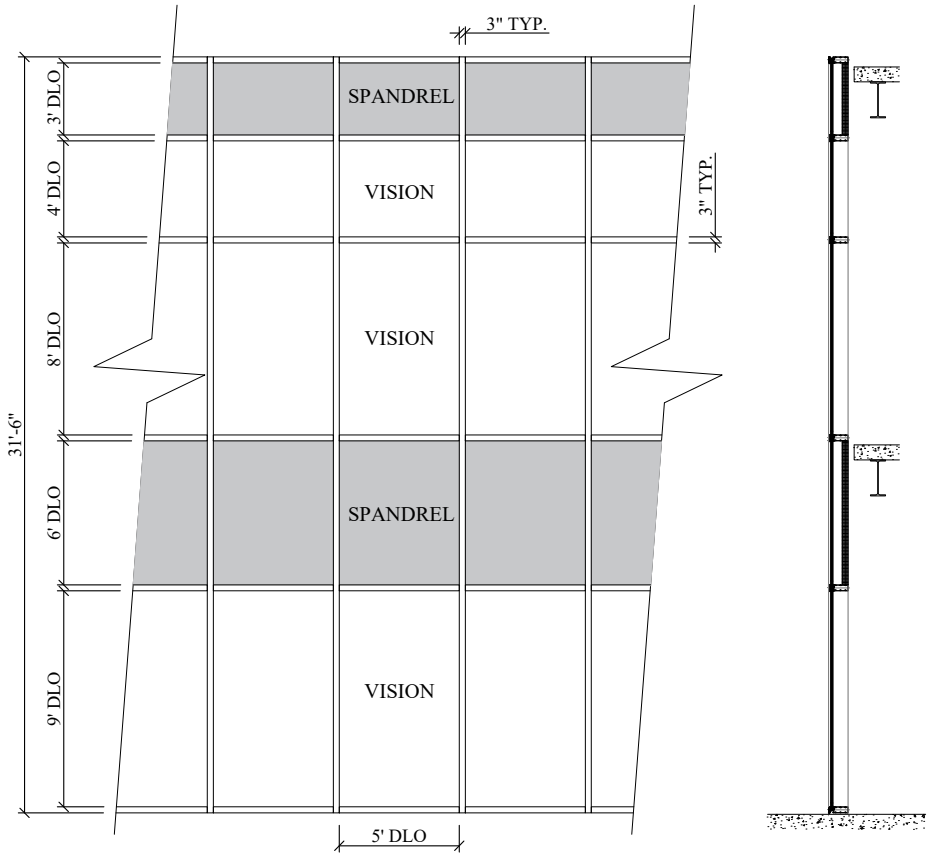
MULLION ANALYSIS

Additional information and CAD details are available at THERMTEK.COM

Curtain Wall Frame No.	Condition	Mullion Shape #	Moment of Inertia	Section Modulus	Span Height	Lb	Allowable Stress (ksi)	Tributary Width	Wind Load	Rmax Wind	Mmax Wind	Stress in Al	Δαχτ	Δαλλ – Λ/175 or L/240+ 1/4"	Reinforcing Dimensions		Relative	Sx	Stress
			(in4)	(in3)	(in)	(in)		(in)	(psf)	(kips)	(k-in)	(ksi)	(in)	(in)	(t)	(d)	Ix (in4)	(in3)	(ksi)
CW Summary (Simple Spans)																			
10' Span	Interior	84GIBG273/274	21.208	5.164	120.00	120.00	13.40	60.00	30.0	0.75	22.5	4.36		0.16	0.69	0	0.00000	0.00	0.00	0.00
	Interior	84GIBG273/274	21.208	5.164	120.00	120.00	13.40	60.00	40.0	1.00	30.0	5.81		0.21	0.69	0	0.00000	0.00	0.00	0.00
	Interior	84GIBG273/274	21.208	5.164	120.00	120.00	13.40	60.00	50.0	1.25	37.5	7.26		0.27	0.69	0	0.00000	0.00	0.00	0.00
	Interior	84GIBG273/274	21.208	5.164	120.00	120.00	13.40	60.00	60.0	1.50	45.0	8.71		0.32	0.69	0	0.00000	0.00	0.00	0.00
	Interior	84GIBG273/274	21.208	5.164	120.00	120.00	13.40	60.00	70.0	1.75	52.5	10.17		0.37	0.69	0	0.00000	0.00	0.00	0.00
	Interior	84GIBG273/274	21.208	5.164	120.00	120.00	13.40	60.00	80.0	2.00	60.0	11.62		0.42	0.69	0	0.00000	0.00	0.00	0.00
	Interior	84GIBG273/274	21.208	5.164	120.00	120.00	13.40	60.00	90.0	2.25	67.5	13.07		0.48	0.69	0	0.00000	0.00	0.00	0.00
12' Span	Interior	84GIBG273/274	21.208	5.164	144.00	120.00	13.40	60.00	30.0	0.90	32.4	6.27		0.33	0.82	0	0.00000	0.00	0.00	0.00
	Interior	84GIBG273/274	21.208	5.164	144.00	120.00	13.40	60.00	40.0	1.20	43.2	8.37		0.44	0.82	0	0.00000	0.00	0.00	0.00
	Interior	84GIBG273/274	21.208	5.164	144.00	120.00	13.40	60.00	50.0	1.50	54.0	10.46		0.55	0.82	0	0.00000	0.00	0.00	0.00
	Interior	84GIBG273/274	21.208	5.164	144.00	120.00	13.40	60.00	60.0	1.80	64.8	12.55		0.66	0.82	0	0.00000	0.00	0.00	0.00
	Interior	84GIBG273/274	21.208	5.164	144.00	120.00	13.40	60.00	70.0	2.10	75.6	7.74		0.41	0.82	5/8	5.00000	18.88	2.60	13.67
	Interior	84GIBG273/274	21.208	5.164	144.00	120.00	13.40	60.00	80.0	2.40	86.4	8.85		0.47	0.82	5/8	5.00000	18.88	2.60	15.63
	Interior	84GIBG273/274	21.208	5.164	144.00	120.00	13.40	60.00	90.0	2.70	97.2	9.96		0.52	0.82	5/8	5.00000	18.88	2.60	17.58
14' Span	Interior	84GIBG273/274	21.208	5.164	168.00	120.00	13.40	60.00	30.0	1.05	44.1	8.54		0.61	0.95	0	0.00000	0.00	0.00	0.00
	Interior	84GIBG273/274	21.208	5.164	168.00	120.00	13.40	60.00	40.0	1.40	58.8	11.39		0.82	0.95	0	0.00000	0.00	0.00	0.00
	Interior	84GIBG273/274	21.208	5.164	168.00	120.00	13.40	60.00	50.0	1.75	73.5	7.53		0.54	0.95	5/8	5.00000	18.88	2.60	13.29
	Interior	84GIBG273/274	21.208	5.164	168.00	120.00	13.40	60.00	60.0	2.10	88.2	9.04		0.65	0.95	5/8	5.00000	18.88	2.60	15.95
	Interior	84GIBG273/274	21.208	5.164	168.00	120.00	13.40	60.00	70.0	2.45	102.9	10.54		0.75	0.95	5/8	5.00000	18.88	2.60	18.61
	Interior	84GIBG273/274	21.208	5.164	168.00	120.00	13.40	60.00	80.0	2.80	117.6	12.05		0.86	0.95	5/8	5.00000	18.88	2.60	21.27
	Interior	84GIBG273/274	21.208	5.164	168.00	120.00	13.40	60.00	90.0	3.15	132.3	10.57		0.76	0.95	1	5.00000	30.21	4.17	18.66
16' Span	Interior	84GIBG273/274	21.208	5.164	192.00	120.00	13.40	60.00	30.0	1.20	57.6	11.15		1.04	1.05	0	0.00000	0.00	0.00	0.00
	Interior	84GIBG273/274	21.208	5.164	192.00	120.00	13.40	60.00	40.0	1.60	76.8	7.87		0.74	1.05	5/8	5.00000	18.88	2.60	13.89
	Interior	84GIBG273/274	21.208	5.164	192.00	120.00	13.40	60.00	50.0	2.00	96.0	9.83		0.92	1.05	5/8	5.00000	18.88	2.60	17.36
	Interior	84GIBG273/274	21.208	5.164	192.00	120.00	13.40	60.00	60.0	2.40	115.2	10.79		1.01	1.05	3/4	5.00000	22.66	3.13	19.04
	Interior	84GIBG273/274	21.208	5.164	192.00	120.00	13.40	60.00	70.0	2.80	134.4	10.74		1.00	1.05	1	5.00000	30.21	4.17	18.95
	Interior	84GIBG273/274	21.208	5.164	192.00	120.00	13.40	60.00	80.0	3.20	153.6	10.01		0.94	1.05	See Note 1		41.81	6.17	16.52
1. Reinforcing is a 1"x5" & a 3/4"x4" Bar																				
20' Span	Interior	84GIBG273/274	21.208	5.164	240.00	120.00	13.40	60.00	30.0	1.50	90.0	8.43		1.23	1.25	3/4	5.00000	22.66	3.13	14.88
	Interior	84GIBG273/274	21.208	5.164	240.00	120.00	13.40	60.00	40.0	2.00	120.0	7.82		1.14	1.25	See Note 1		41.81	6.17	12.90
1. Reinforcing is a 1"x5" & a 3/4"x4" Bar																				

*INSTALLER NOTE: Installer is responsible for all required compatibility review and approvals with the structural silicone manufacturer and the insulating glass unit manufacturer.

GENERIC PROJECT SPECIFIED U-FACTOR EXAMPLE CALCULATION
(Percent of glass vary on specific products depending on sitelines)
(Based on single bay of curtain wall)



Vision Area

Example Glass U-factor	= 0.20 Btu/(ft² · h · ºF)
Vision Area	= 5(9+8+4) = 105.0ft²
Total Area (Vision)	= 5'-3" (9'-4 $\frac{1}{2}$"+8'-3"+4'-3") = 114.84ft²
Percentage of vision glass	= (Vision Area ÷ Total Area) 100 = (105÷114.84)100 =91.4%

Spandrel Area

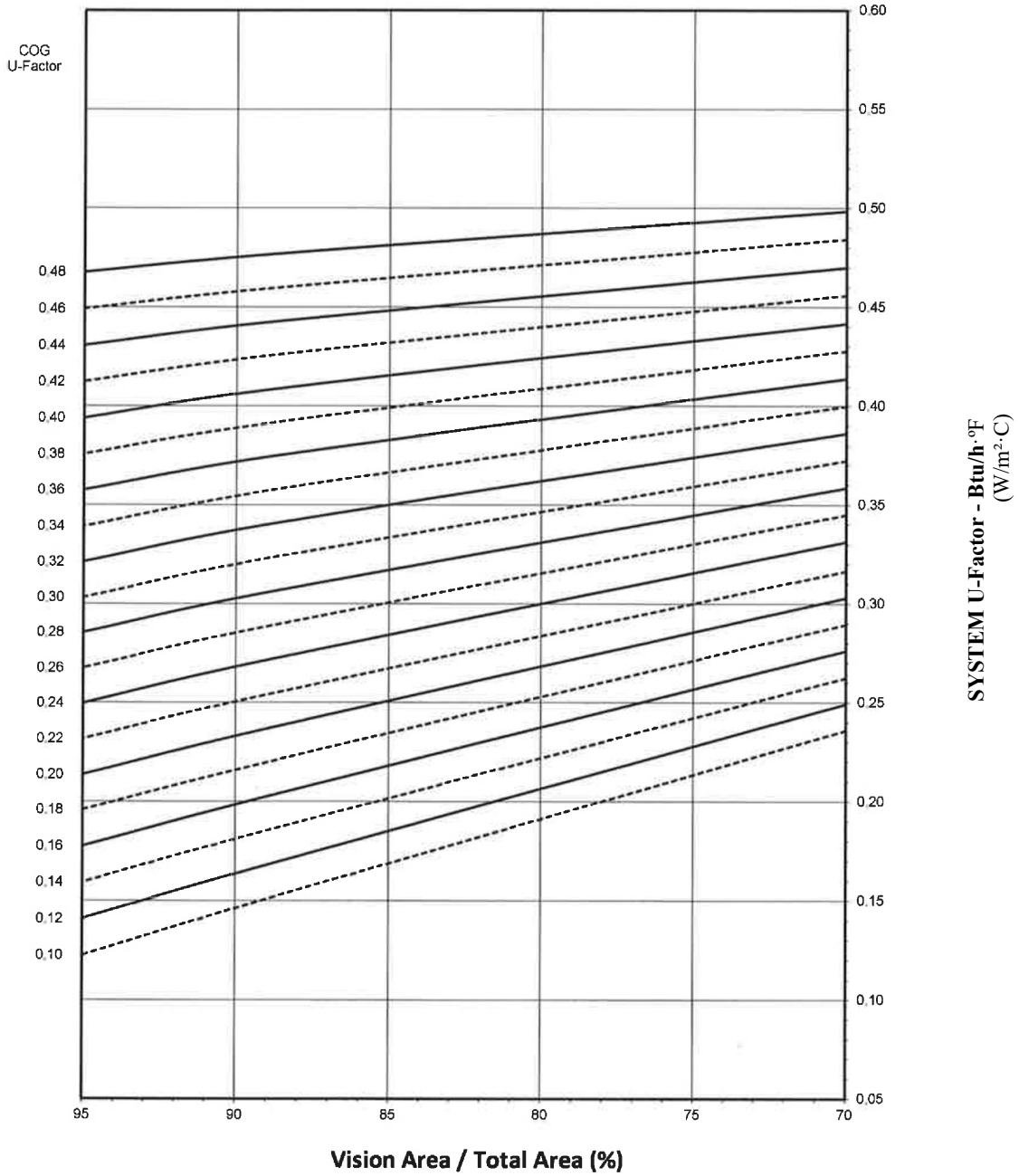
Example Spandrel R-value	= 15 (ft² · h · ºF)/Btu
Spandrel Area	= 5(6+3) = 45ft²
Total Area (Spandrel)	= 5'-3" (6'-3"+3'-3") = 49.875ft²
Percentage of Spandrel	= (Spandrel Area ÷ Total Area)100 = (45÷49.875)100 =90.2%

THERMAL CHARTS

4 SIDED CAPTURED
1" DOUBLE GLAZED - WARM EDGE GLASS SPACER

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

SYSTEM U-FACTOR vs PERCENT OF GLASS AREA

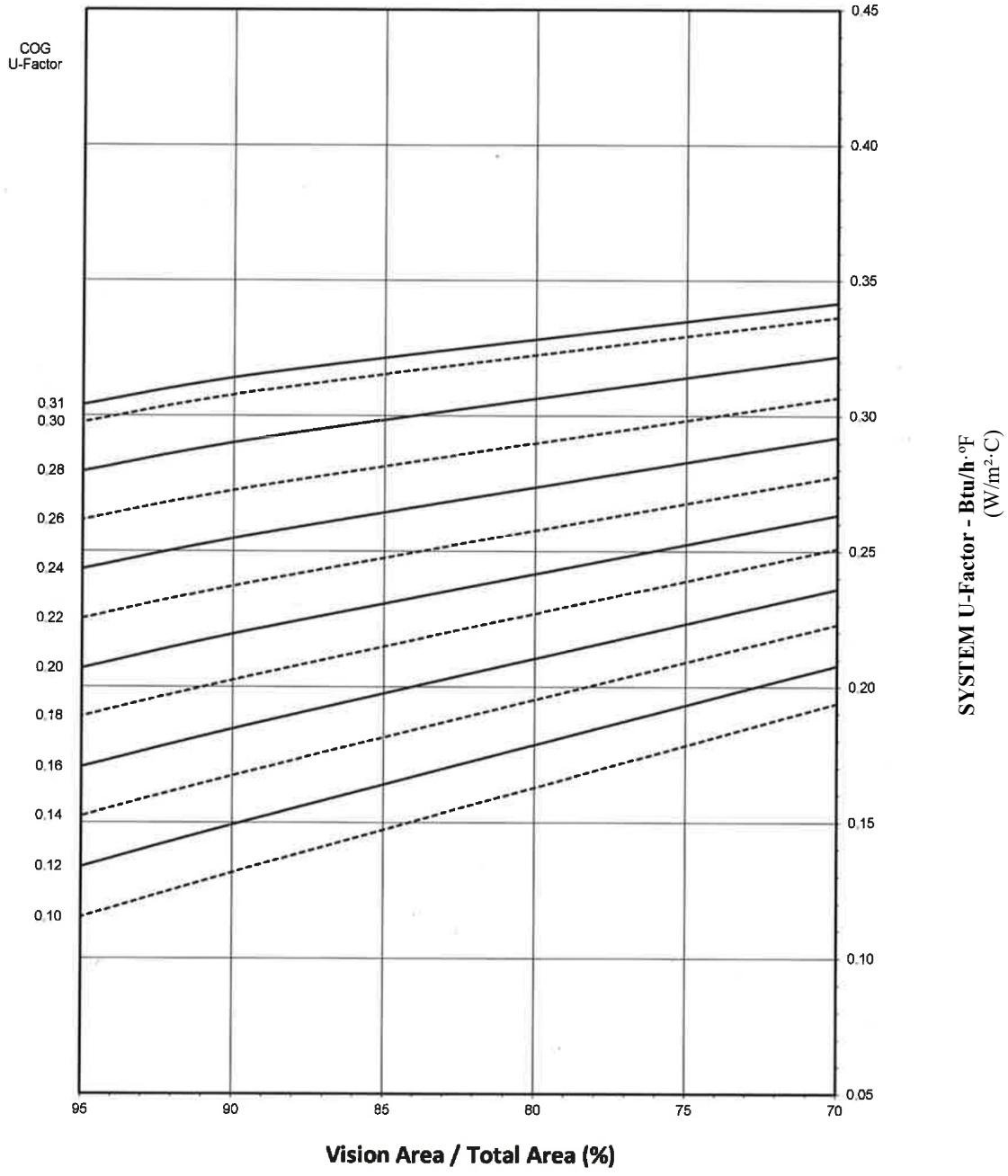


Notes for system U-factor, SHGC and VT charts:
For glass values that are not listed, linear interpolation is permitted.
Glass properties are based on center of glass values and are obtained from your glass supplier.

4 SIDED CAPTURED
1 3/4" TRIPLE GLAZED - WARM EDGE GLASS SPACER

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

SYSTEM U-FACTOR vs PERCENT OF GLASS AREA

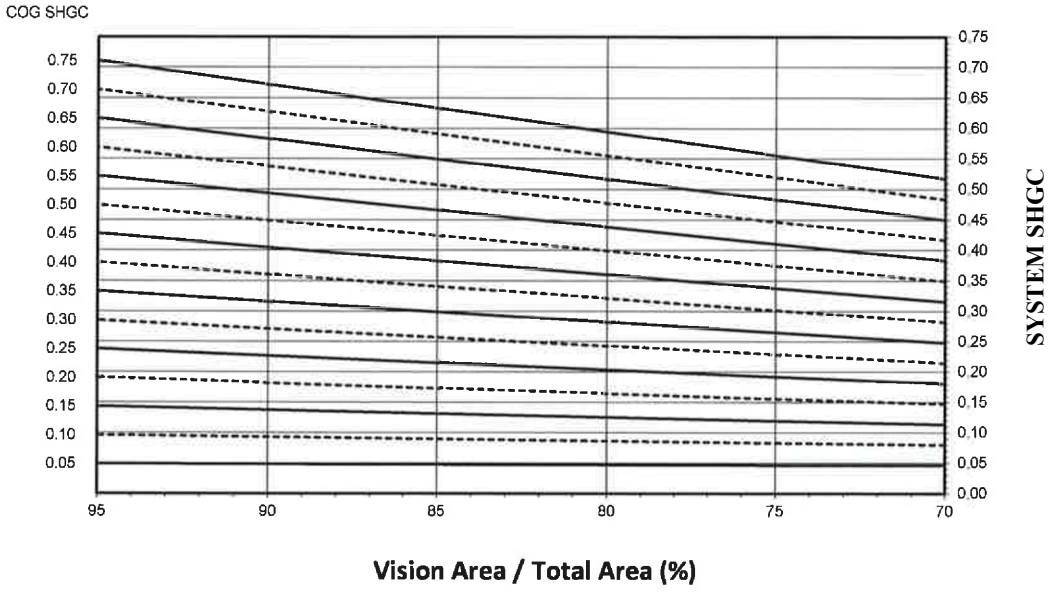


Notes for system U-factor, SHGC and VT charts:
For glass values that are not listed, linear interpolation is permitted.
Glass properties are based on center of glass values and are obtained from your glass supplier.

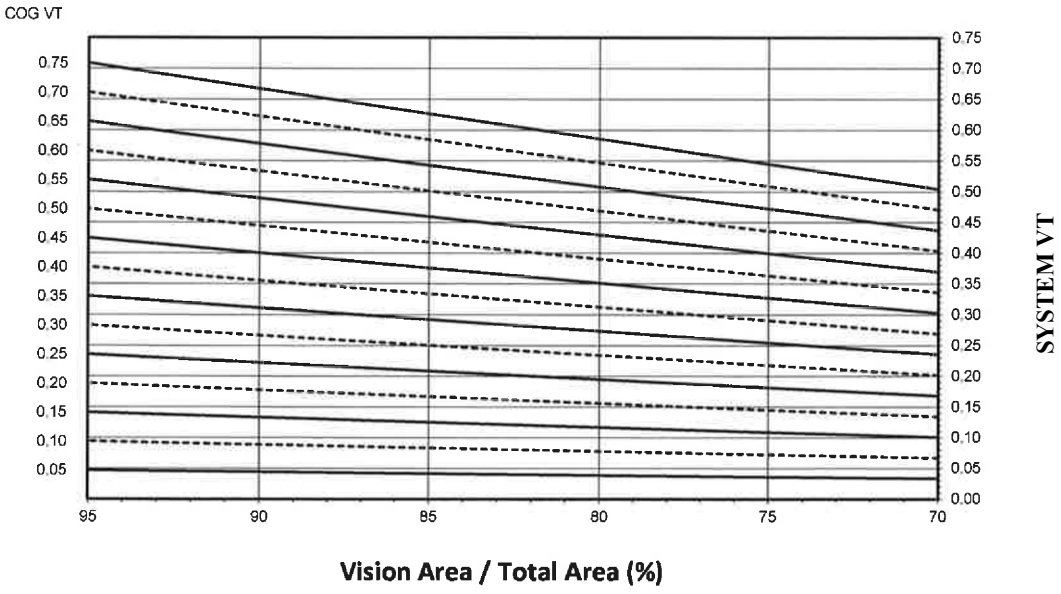
THERMAL CHARTS

4 SIDED CAPTURED
1" DOUBLE GLAZED - WARM EDGE GLASS SPACER

SYSTEM SOLAR HEAT GAIN COEFFICIENT (SHGC) vs. PERCENT OF VISION AREA



SYSTEM VISIBLE TRANSMITTANCE (VT) vs. PERCENT OF VISION AREA

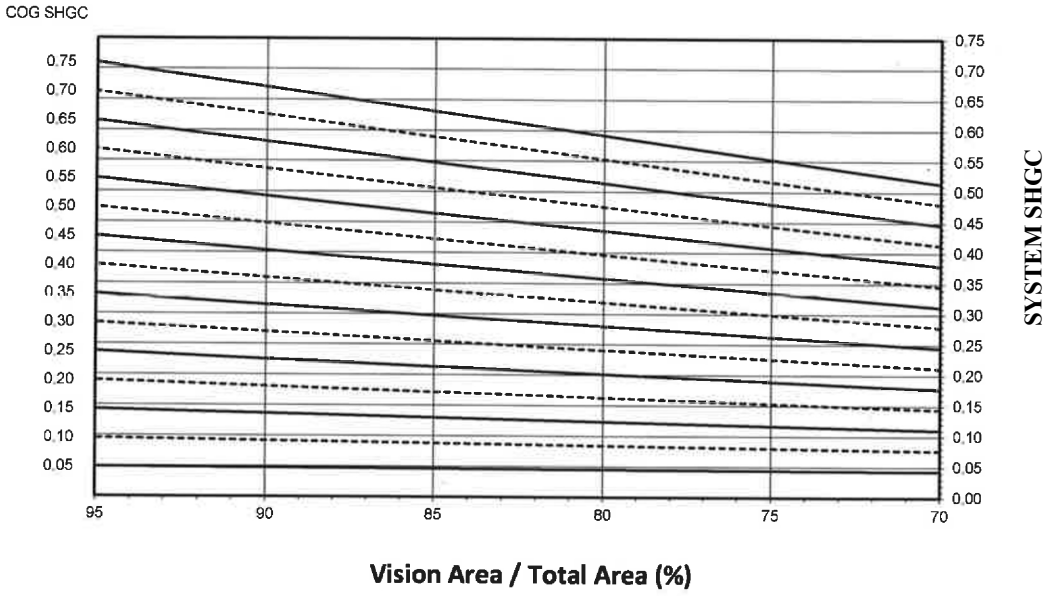


CHARTS ARE GENERATED PER AAMA 507

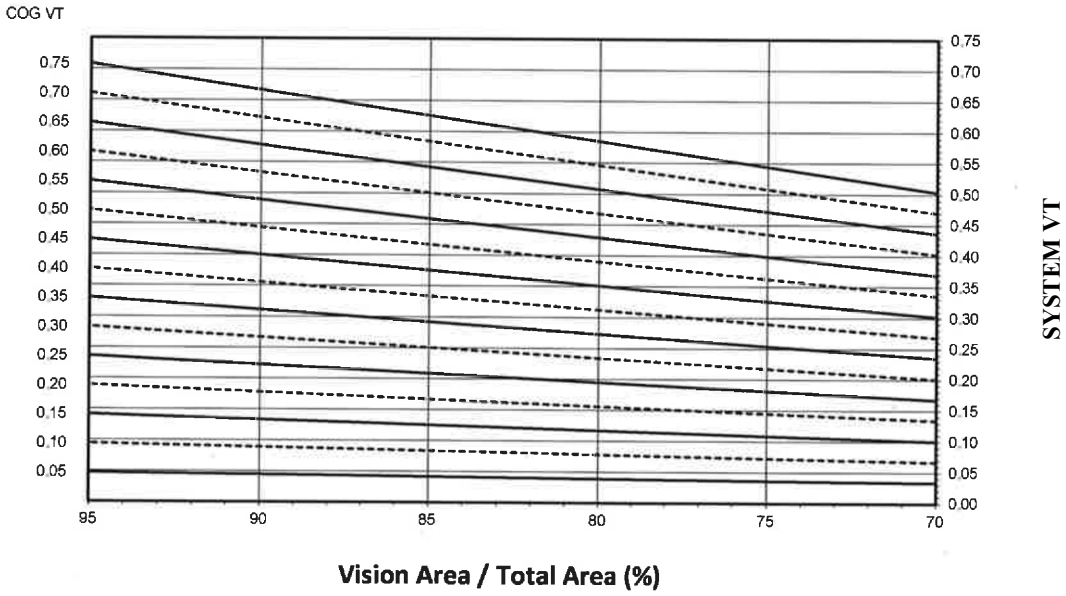
THERMAL CHARTS

4 SIDED CAPTURED
1 3/4" TRIPLE GLAZED - WARM EDGE GLASS SPACER

SYSTEM SOLAR HEAT GAIN COEFFICIENT (SHGC) vs. PERCENT OF VISION AREA



SYSTEM VISIBLE TRANSMITTANCE (VT) vs. PERCENT OF VISION AREA



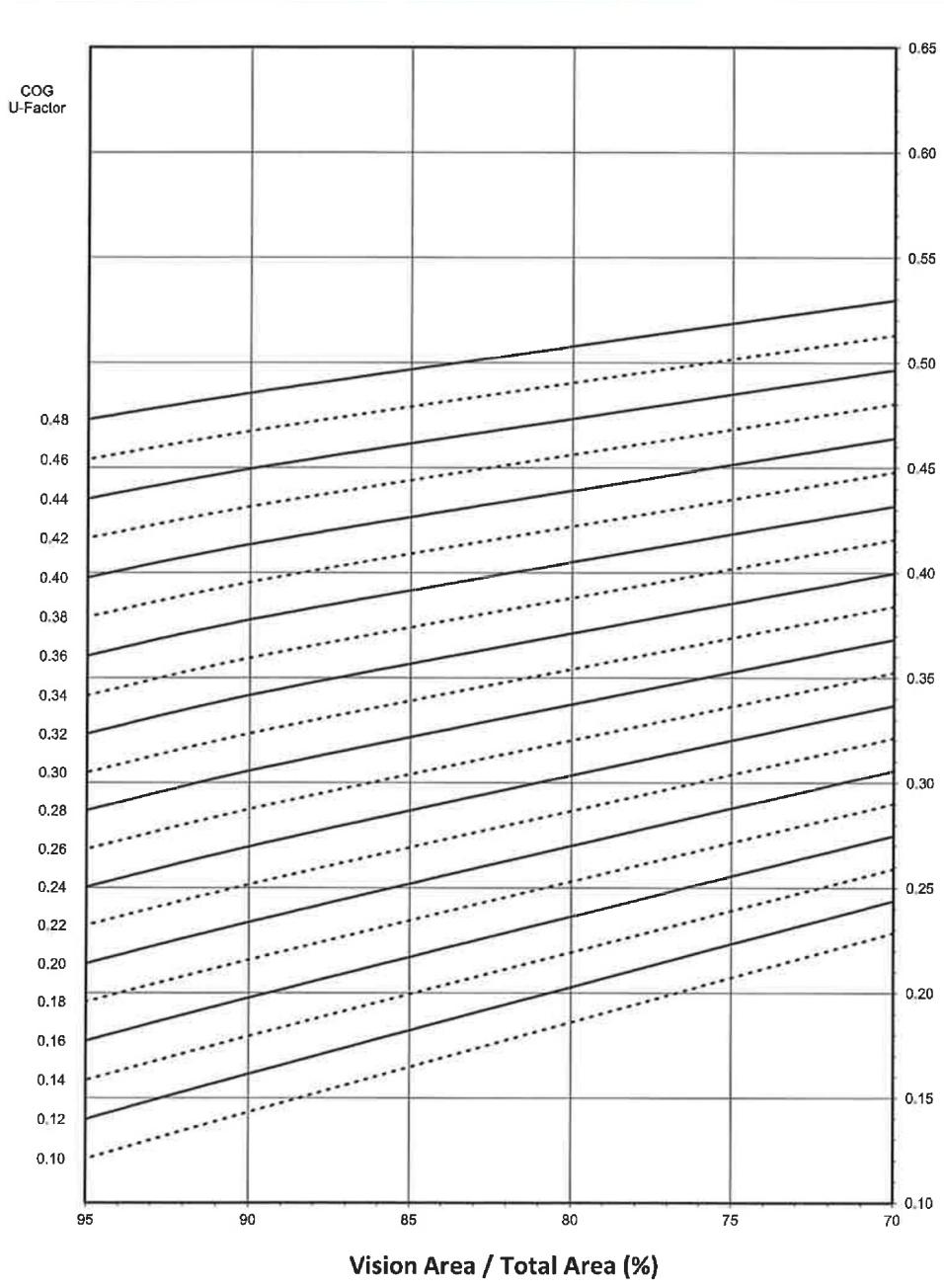
CHARTS ARE GENERATED PER AAMA 507

THERMAL CHARTS

VERTICAL SSG
1" DOUBLE GLAZED - WARM EDGE GLASS SPACER

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

SYSTEM U-FACTOR vs PERCENT OF GLASS AREA

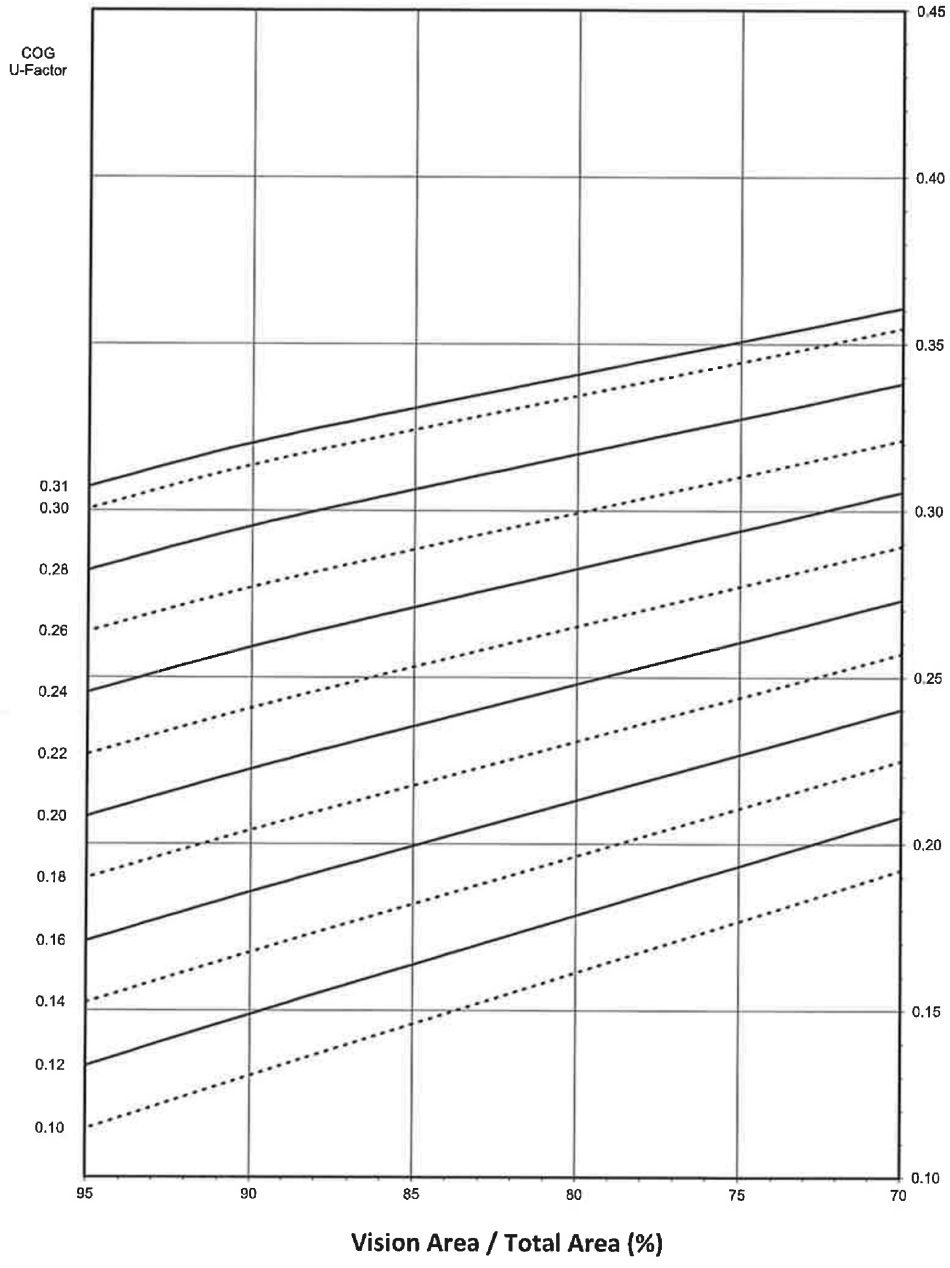


Notes for system U-factor, SHGC and VT charts:
For glass values that are not listed, linear interpolation is permitted.
Glass properties are based on center of glass values and are obtained from your glass supplier.

VERTICAL SSG
1 3/4" TRIPLE GLAZED - WARM EDGE GLASS SPACER

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

SYSTEM U-FACTOR vs PERCENT OF GLASS AREA

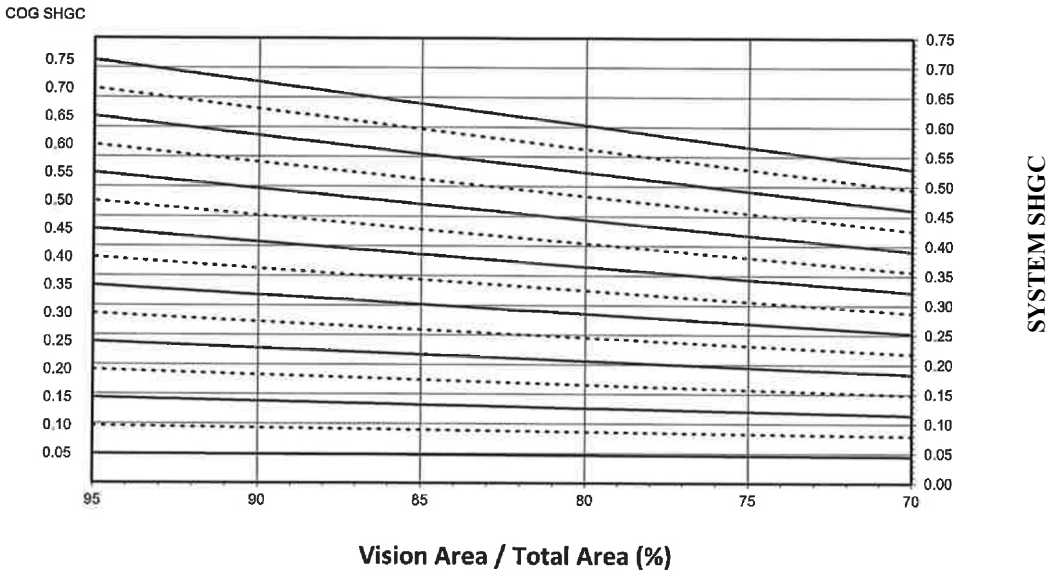


Notes for system U-factor, SHGC and VT charts:
For glass values that are not listed, linear interpolation is permitted.
Glass properties are based on center of glass values and are obtained from your glass supplier.

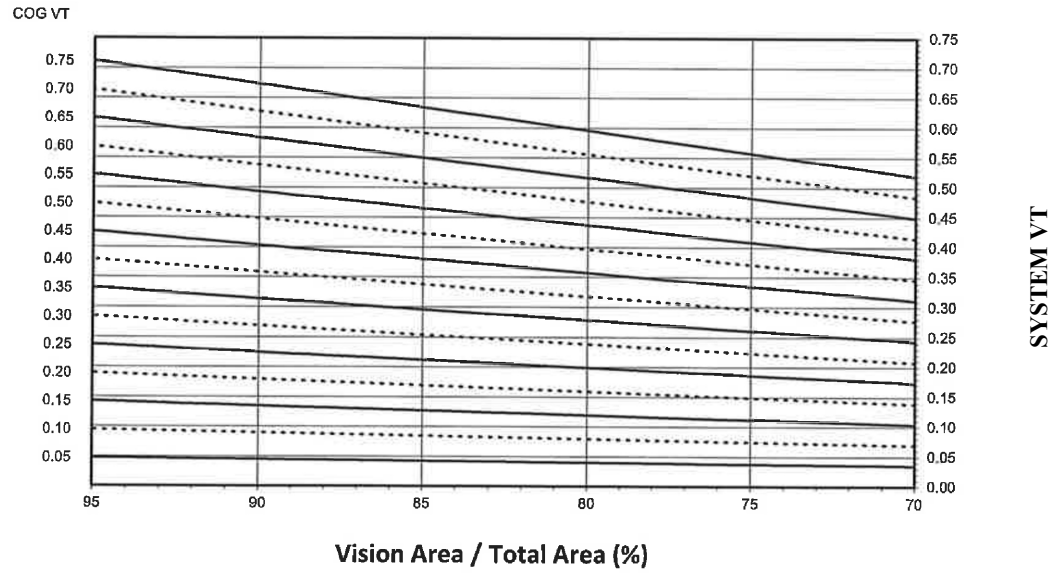
THERMAL CHARTS

VERTICAL SSG
1" DOUBLE GLAZED - WARM EDGE GLASS SPACER

SYSTEM SOLAR HEAT GAIN COEFFICIENT (SHGC) vs. PERCENT OF VISION AREA



SYSTEM VISIBLE TRANSMITTANCE (VT) vs. PERCENT OF VISION AREA

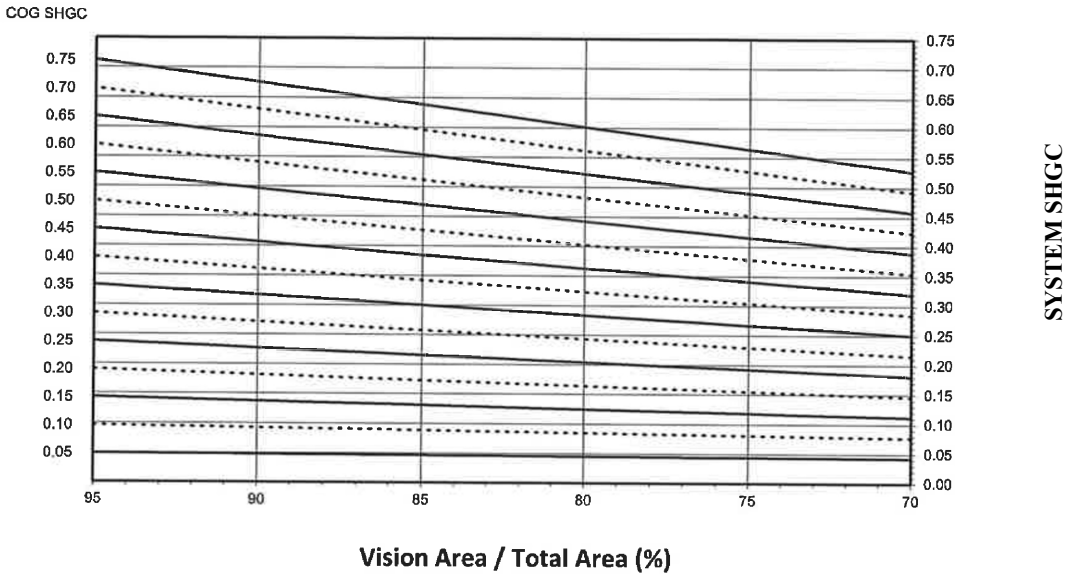


CHARTS ARE GENERATED PER AAMA 507

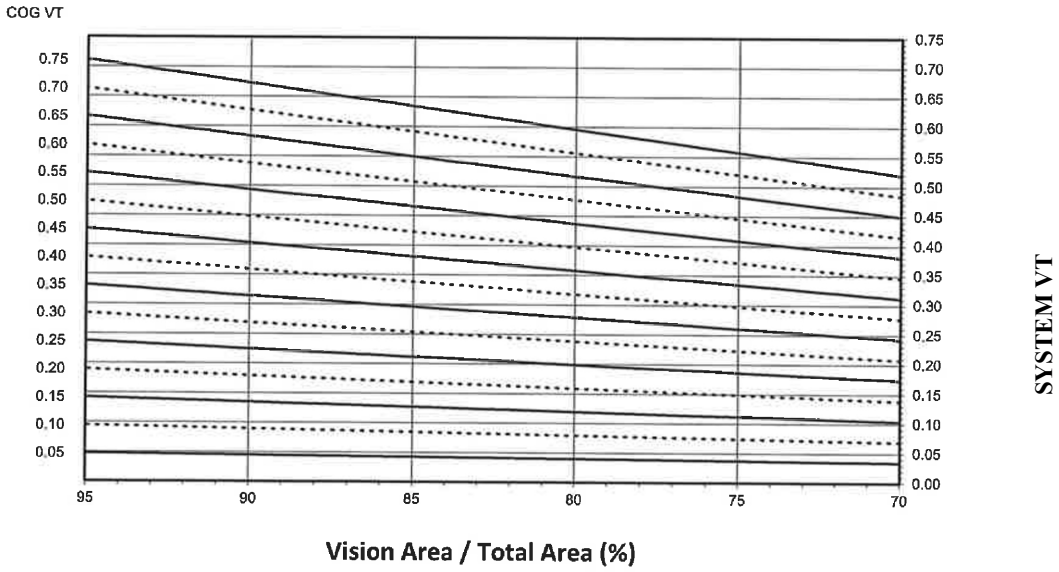
THERMAL CHARTS

VERTICAL SSG
1 3/4" TRIPLE GLAZED - WARM EDGE GLASS SPACER

SYSTEM SOLAR HEAT GAIN COEFFICIENT (SHGC) vs. PERCENT OF VISION AREA



SYSTEM VISIBLE TRANSMITTANCE (VT) vs. PERCENT OF VISION AREA



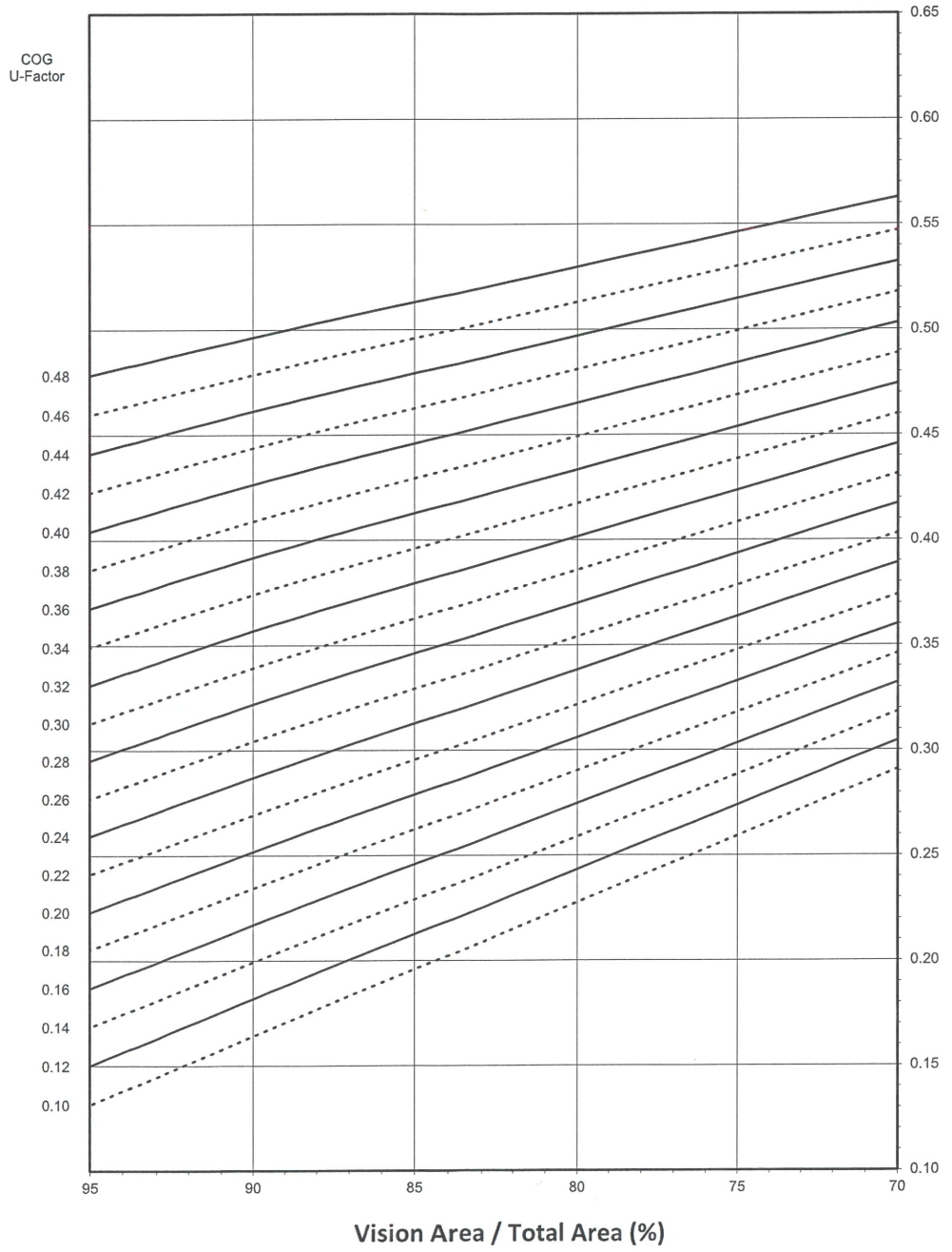
CHARTS ARE GENERATED PER AAMA 507

THERMAL CHARTS

HORIZONTAL SSG
1" DOUBLE GLAZED - WARM EDGE GLASS SPACER

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

SYSTEM U-FACTOR vs PERCENT OF GLASS AREA



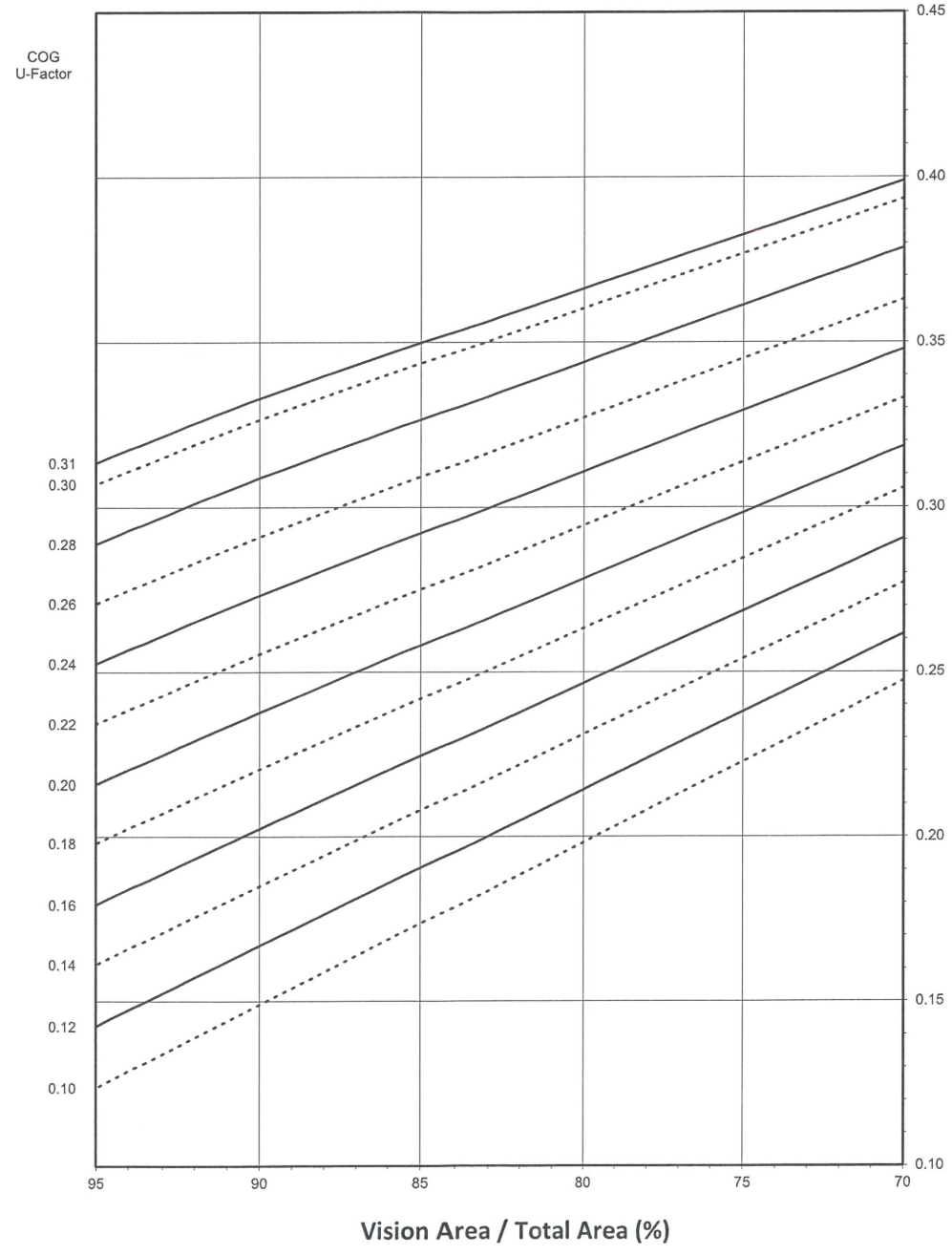
Notes for system U-factor, SHGC and VT charts:
For glass values that are not listed, linear interpolation is permitted.
Glass properties are based on center of glass values and are obtained from your glass supplier.

THERMAL CHARTS

HORIZONTAL SSG
1 3/4" TRIPLE GLAZED - WARM EDGE GLASS SPACER

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

SYSTEM U-FACTOR vs PERCENT OF GLASS AREA

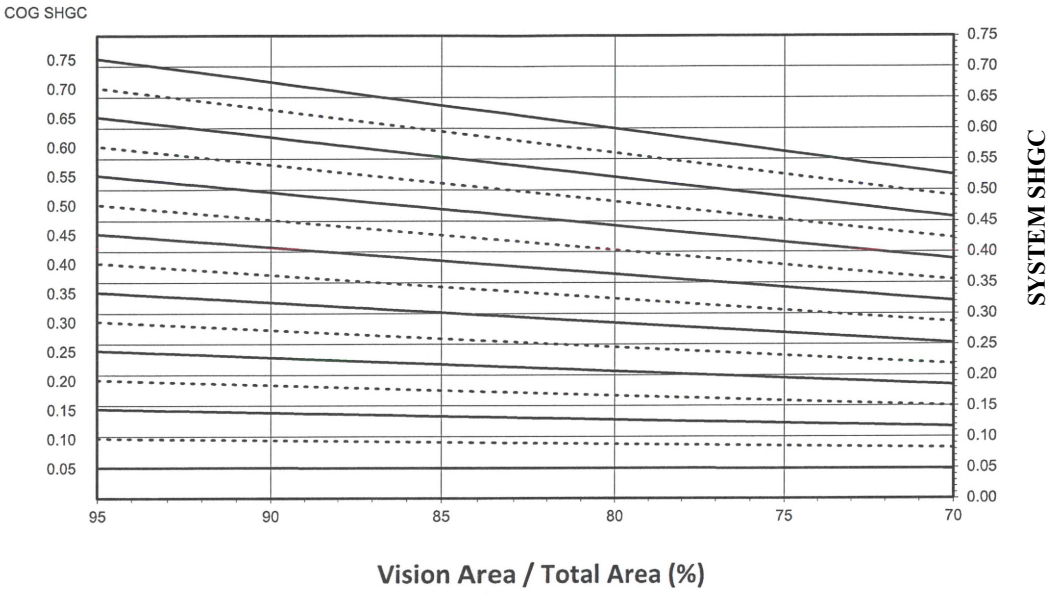


Notes for system U-factor, SHGC and VT charts:
For glass values that are not listed, linear interpolation is permitted.
Glass properties are based on center of glass values and are obtained from your glass supplier.

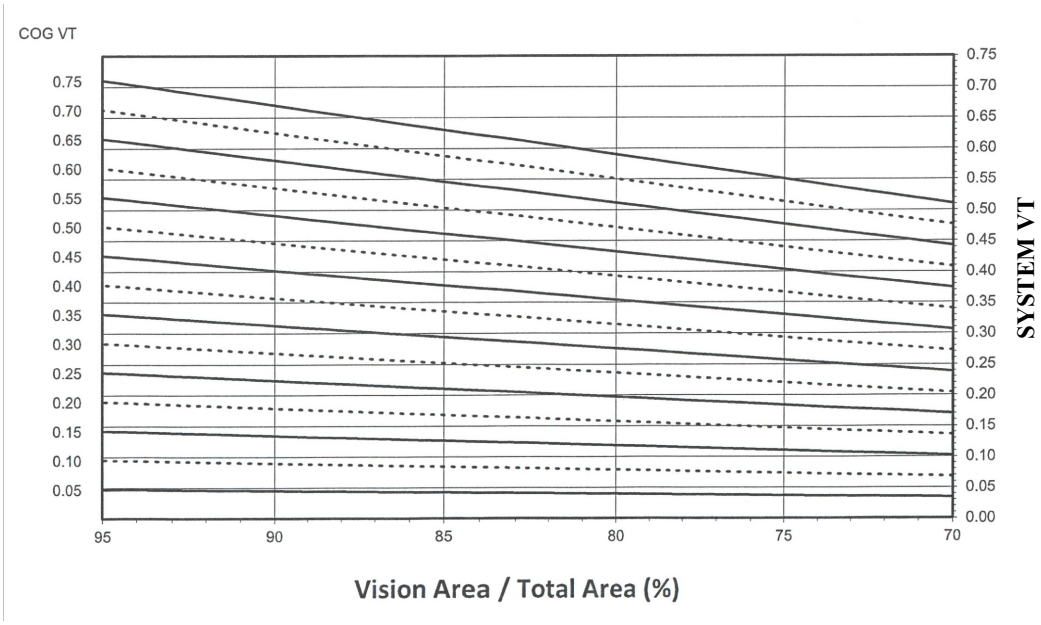
THERMAL CHARTS

HORIZONTAL SSG
1" DOUBLE GLAZED - WARM EDGE GLASS SPACER

SYSTEM SOLAR HEAT GAIN COEFFICIENT (SHGC) vs. PERCENT OF VISION AREA



SYSTEM VISIBLE TRANSMITTANCE (VT) vs. PERCENT OF VISION AREA

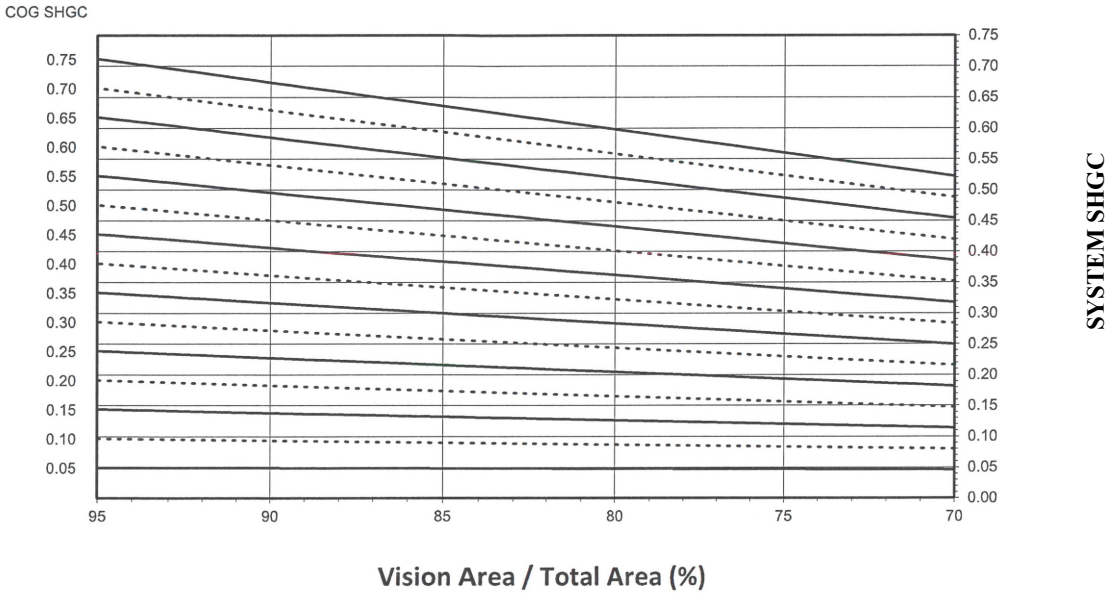


CHARTS ARE GENERATED PER AAMA 507

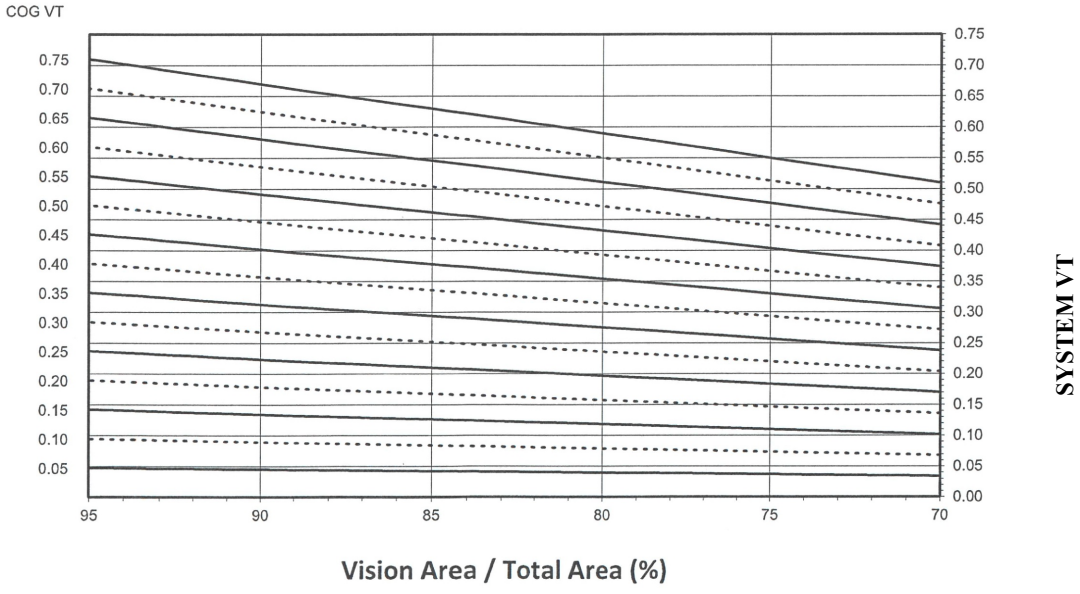
THERMAL CHARTS

HORIZONTAL SSG
1 3/4" TRIPLE GLAZED - WARM EDGE GLASS SPACER

SYSTEM SOLAR HEAT GAIN COEFFICIENT (SHGC) vs. PERCENT OF VISION AREA



SYSTEM VISIBLE TRANSMITTANCE (VT) vs. PERCENT OF VISION AREA



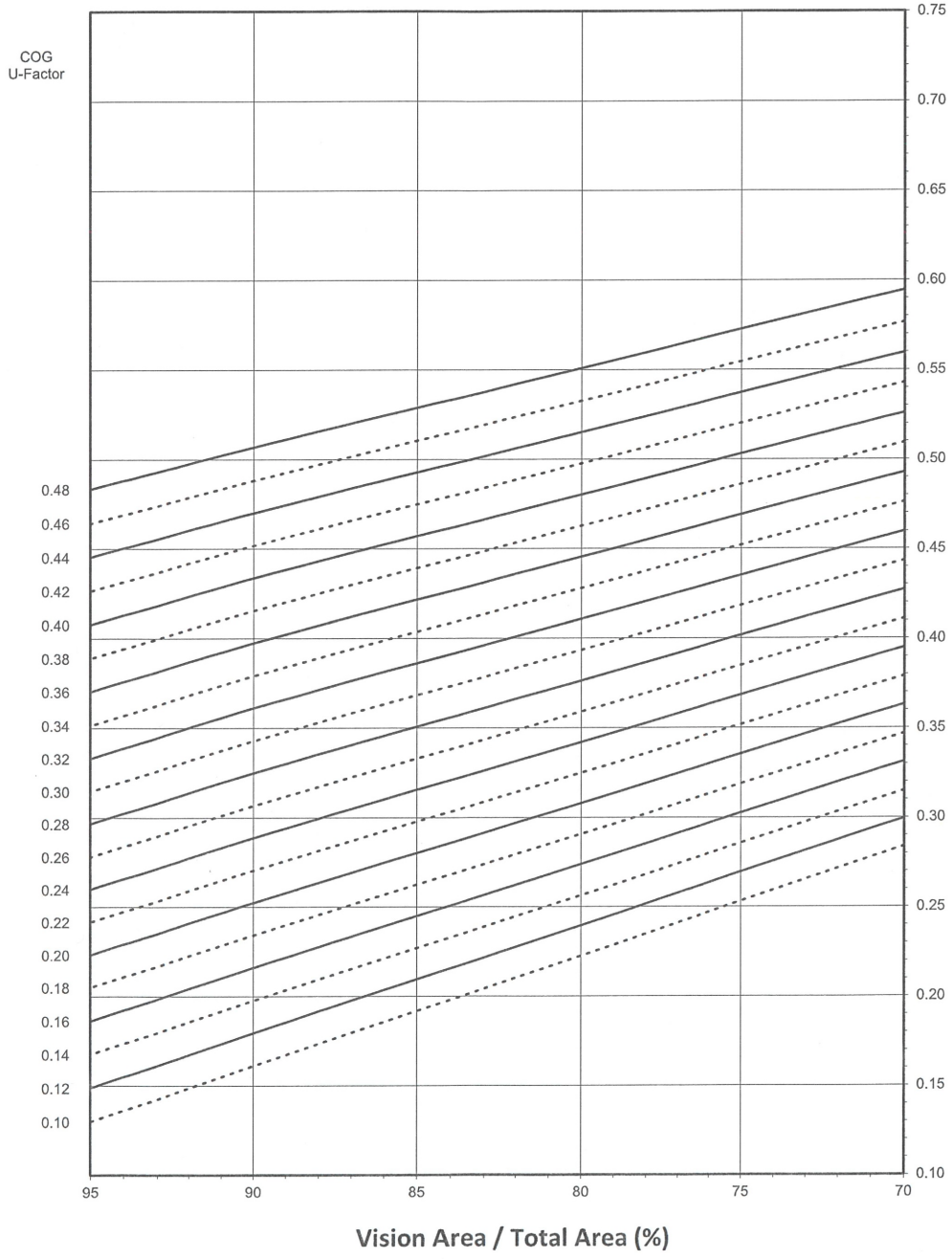
CHARTS ARE GENERATED PER AAMA 507

THERMAL CHARTS

4 SIDED SSG
1" DOUBLE GLAZED - WARM EDGE GLASS SPACER

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

SYSTEM U-FACTOR vs PERCENT OF GLASS AREA



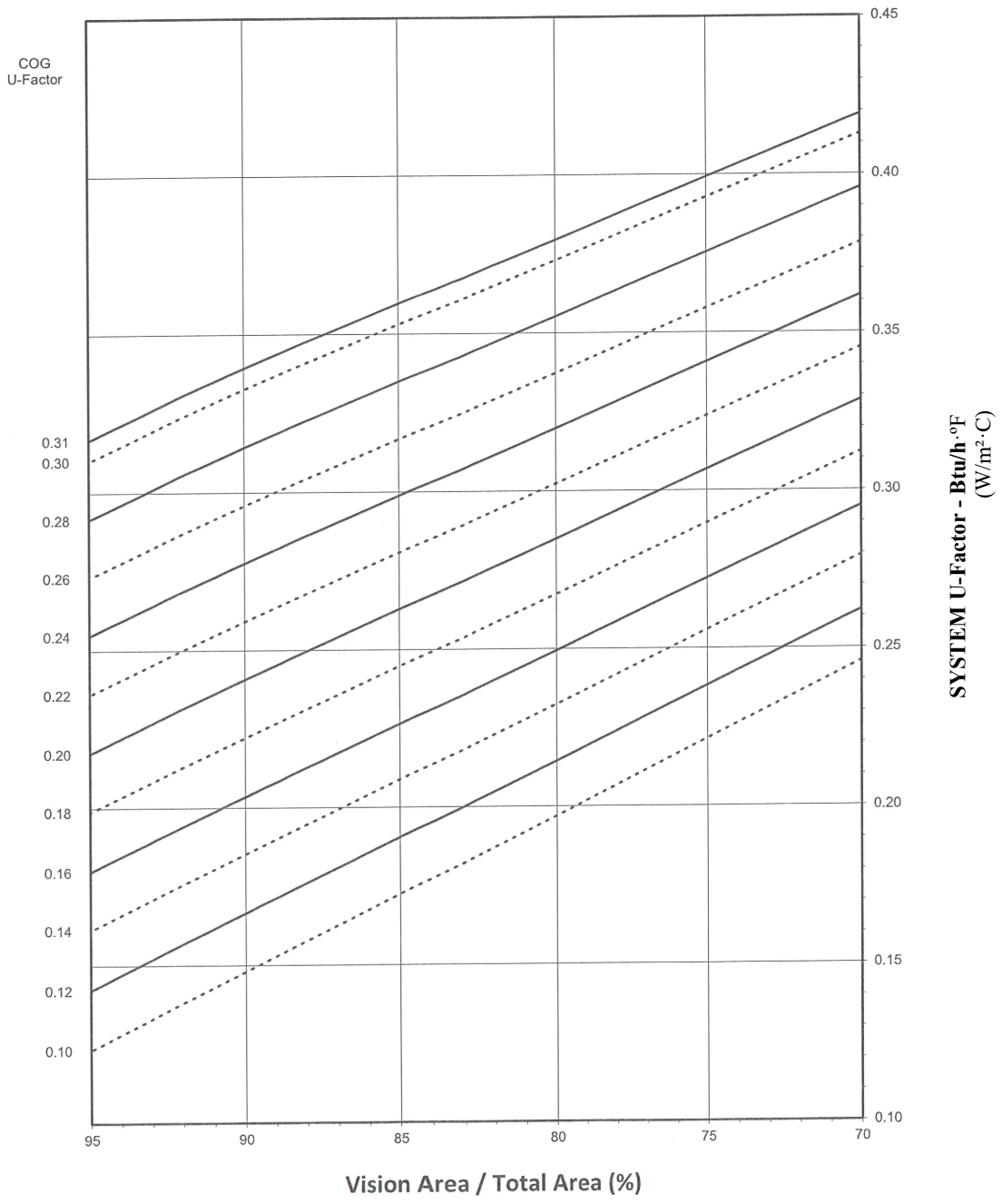
Notes for system U-factor, SHGC and VT charts:
For glass values that are not listed, linear interpolation is permitted.
Glass properties are based on center of glass values and are obtained from your glass supplier.

THERMAL CHARTS

4 SIDED SSG
1 3/4" TRIPLE GLAZED - WARM EDGE GLASS SPACER

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

SYSTEM U-FACTOR vs PERCENT OF GLASS AREA

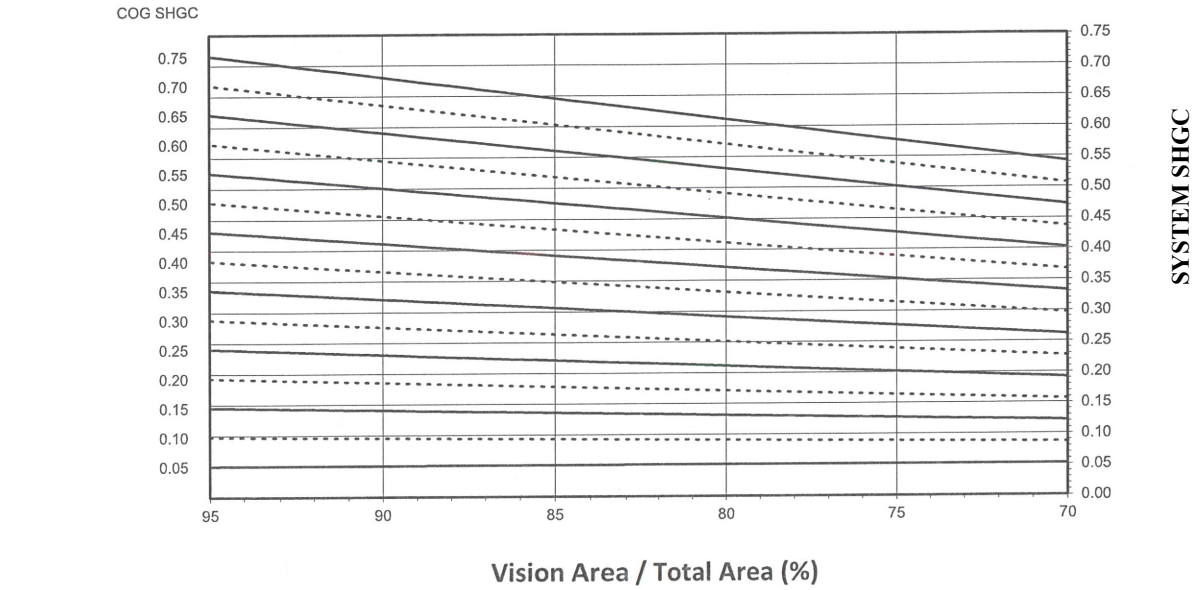


Notes for system U-factor, SHGC and VT charts:
For glass values that are not listed, linear interpolation is permitted.
Glass properties are based on center of glass values and are obtained from your glass supplier.

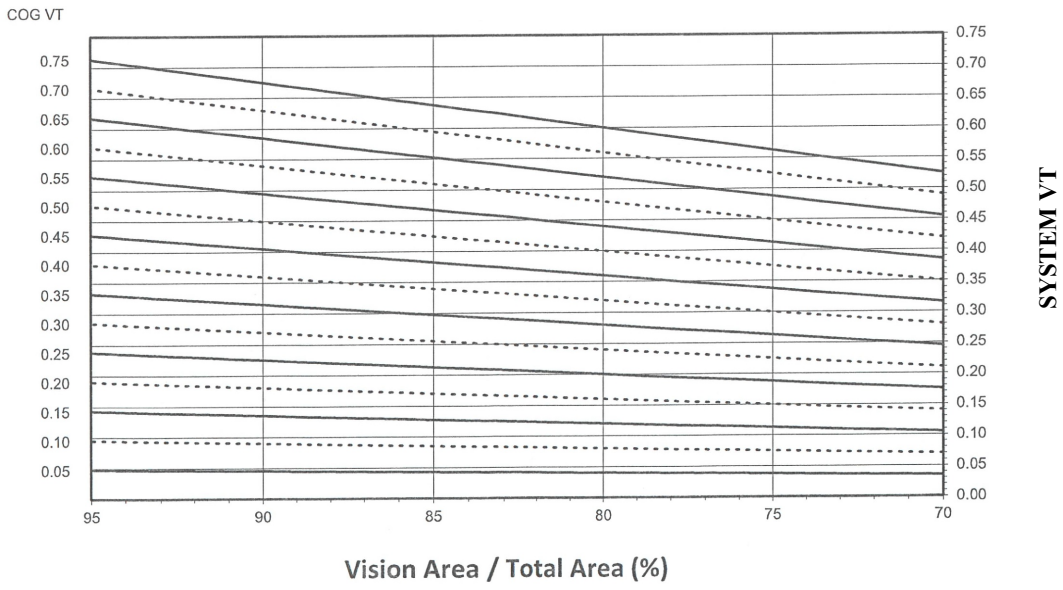
THERMAL CHARTS

4 SIDED SSG
1" DOUBLE GLAZED - WARM EDGE GLASS SPACER

SYSTEM SOLAR HEAT GAIN COEFFICIENT (SHGC) vs. PERCENT OF VISION AREA



SYSTEM VISIBLE TRANSMITTANCE (VT) vs. PERCENT OF VISION AREA

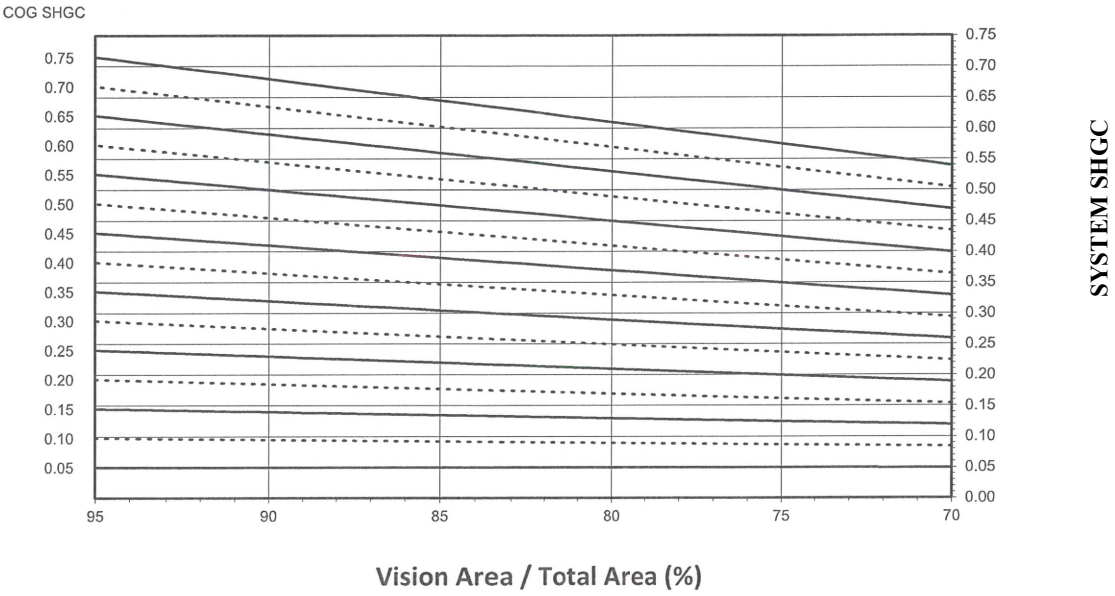


CHARTS ARE GENERATED PER AAMA 507

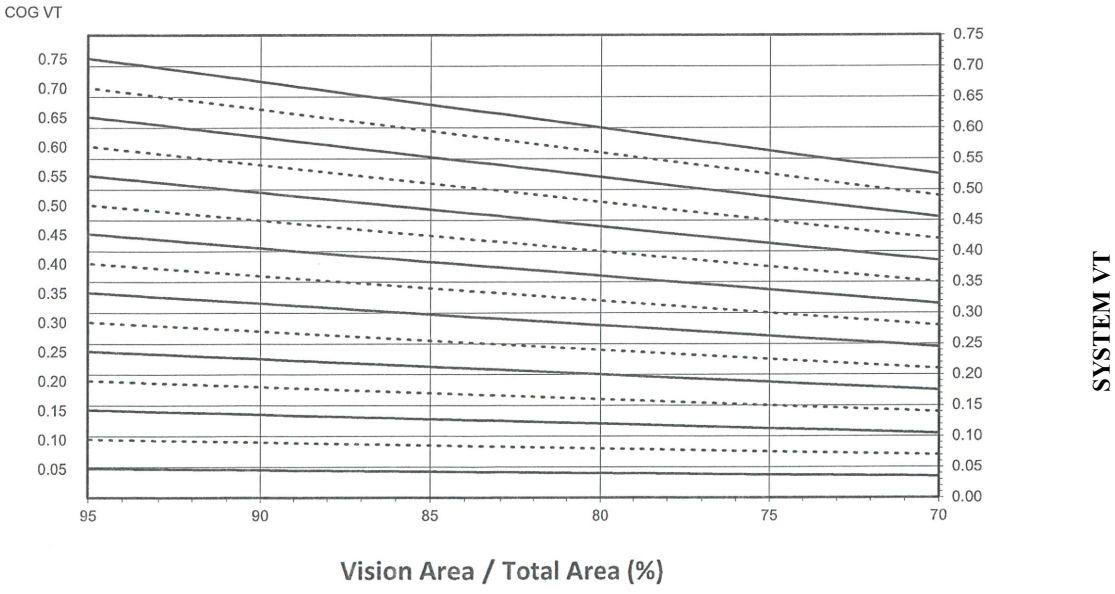
THERMAL CHARTS

4 SIDED SSG
1 3/4" TRIPLE GLAZED - WARM EDGE GLASS SPACER

SYSTEM SOLAR HEAT GAIN COEFFICIENT (SHGC) vs. PERCENT OF VISION AREA



SYSTEM VISIBLE TRANSMITTANCE (VT) vs. PERCENT OF VISION AREA



CHARTS ARE GENERATED PER AAMA 507

THERMAL PERFORMANCE (DOUBLE GLAZED)

THERMAL TRANSMITTANCE[1] (BTU/hr • ft²• ºF)

Glass U-Factor[3]	Overall U-Factor[4]
0.32	0.34
0.30	0.32
0.28	0.31
0.26	0.29
0.24	0.27
0.22	0.25
0.20	0.24
0.18	0.22
0.16	0.20
0.14	0.19
0.12	0.17
0.10	0.15

CAPTURED SYSTEM

1" DOUBLE GLAZING
WARM-EDGE GLAZING SPACER

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

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

SHGC MATRIX [2]

Glass SHGC[3]	Overall SHGC[4]
0.75	0.66
0.70	0.62
0.65	0.58
0.60	0.53
0.55	0.49
0.50	0.44
0.45	0.40
0.40	0.36
0.35	0.31
0.30	0.27
0.25	0.22
0.20	0.18
0.15	0.14
0.10	0.09
0.05	0.05

VISIBLE TRANSMITTANCE [2]

Glass SHGC[3]	Overall SHGC[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	0.40
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 PERFORMANCE (TRIPLE GLAZED)

THERMAL TRANSMITTANCE[1] (BTU/hr • ft²• ºF)

Glass U-Factor[3]	Overall U-Factor[4]
0.31	0.32
0.30	0.31
0.28	0.29
0.26	0.27
0.24	0.26
0.22	0.24
0.20	0.22
0.18	0.21
0.16	0.19
0.14	0.17
0.12	0.15
0.10	0.14

CAPTURED SYSTEM

1 3/4" TRIPLE GLAZING
WARM-EDGE GLAZING SPACER

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

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

SHGC MATRIX[2]

Glass SHGC[3]	Overall SHGC[4]
0.75	0.66
0.70	0.62
0.65	0.57
0.60	0.53
0.55	0.49
0.50	0.44
0.45	0.40
0.40	0.35
0.35	0.31
0.30	0.27
0.25	0.22
0.20	0.18
0.15	0.14
0.10	0.09
0.05	0.05

VISIBLE TRANSMITTANCE[2]

Glass SHGC[3]	Overall SHGC[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 PERFORMANCE (DOUBLE GLAZED)

THERMAL TRANSMITTANCE[1] (BTU/hr • ft^2 • ºF)

Glass U-Factor[3]	Overall U-Factor[4]
0.32	0.35
0.30	0.33
0.28	0.31
0.26	0.29
0.24	0.27
0.22	0.26
0.20	0.24
0.18	0.22
0.16	0.20
0.14	0.18
0.12	0.17
0.10	0.15

SSG VERTICAL SYSTEM

1" DOUBLE GLAZING
WARM-EDGE GLAZING SPACER

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

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

SHGC MATRIX [2]

Glass SHGC[3]	Overall SHGC[4]
0.75	0.67
0.70	0.62
0.65	0.58
0.60	0.53
0.55	0.49
0.50	0.45
0.45	0.40
0.40	0.36
0.35	0.31
0.30	0.27
0.25	0.23
0.20	0.18
0.15	0.14
0.10	0.09
0.05	0.05

VISIBLE TRANSMITTANCE [2]

Glass SHGC[3]	Overall SHGC[4]
0.75	0.66
0.70	0.62
0.65	0.58
0.60	0.53
0.55	0.49
0.50	0.44
0.45	0.40
0.40	0.35
0.35	0.31
0.30	0.27
0.25	0.22
0.20	0.18
0.15	0.13
0.10	0.09
0.05	0.04

THERMAL PERFORMANCE (TRIPLE GLAZED)

THERMAL TRANSMITTANCE[1] (BTU/hr • ft^2 • °F)

Glass U-Factor[3]	Overall U-Factor[4]
0.31	0.32
0.30	0.32
0.28	0.30
0.26	0.28
0.24	0.26
0.22	0.24
0.20	0.23
0.18	0.21
0.16	0.19
0.14	0.17
0.12	0.15
0.10	0.13

SSG VERTICAL SYSTEM

1 $\frac{3}{4}$" TRIPLE GLAZING
WARM-EDGE GLAZING SPACER

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

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

SHGC MATRIX[2]

Glass SHGC[3]	Overall SHGC[4]
0.75	0.67
0.70	0.62
0.65	0.58
0.60	0.53
0.55	0.49
0.50	0.45
0.45	0.40
0.40	0.36
0.35	0.31
0.30	0.27
0.25	0.22
0.20	0.18
0.15	0.14
0.10	0.09
0.05	0.05

VISIBLE TRANSMITTANCE[2]

Glass SHGC[3]	Overall SHGC[4]
0.75	0.66
0.70	0.62
0.65	0.58
0.60	0.53
0.55	0.49
0.50	0.44
0.45	0.40
0.40	0.35
0.35	0.31
0.30	0.27
0.25	0.22
0.20	0.18
0.15	0.13
0.10	0.09
0.05	0.04

THERMAL PERFORMANCE (DOUBLE GLAZED)

THERMAL TRANSMITTANCE[1] (BTU/hr • ft²• ºF)

Glass U-Factor[3]	Overall U-Factor[4]
0.32	0.36
0.30	0.34
0.28	0.33
0.26	0.31
0.24	0.29
0.22	0.28
0.20	0.26
0.18	0.24
0.16	0.22
0.14	0.21
0.12	0.19
0.10	0.17

SSG HORIZONTAL SYSTEM

1" DOUBLE GLAZING
WARM-EDGE GLAZING SPACER

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

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

SHGC MATRIX [2]

Glass SHGC[3]	Overall SHGC[4]
0.75	0.67
0.70	0.62
0.65	0.58
0.60	0.53
0.55	0.49
0.50	0.45
0.45	0.40
0.40	0.36
0.35	0.31
0.30	0.27
0.25	0.23
0.20	0.18
0.15	0.14
0.10	0.09
0.05	0.05

VISIBLE TRANSMITTANCE [2]

Glass SHGC[3]	Overall SHGC[4]
0.75	0.66
0.70	0.62
0.65	0.57
0.60	0.53
0.55	0.48
0.50	0.44
0.45	0.40
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 PERFORMANCE (TRIPLE GLAZED)

THERMAL TRANSMITTANCE[1] (BTU/hr • ft^2 • °F)

Glass U-Factor[3]	Overall U-Factor[4]
0.31	0.34
0.30	0.33
0.28	0.31
0.26	0.30
0.24	0.28
0.22	0.26
0.20	0.24
0.18	0.23
0.16	0.21
0.14	0.19
0.12	0.17
0.10	0.15

SSG HORIZONTAL SYSTEM

1 $\frac{3}{4}$" TRIPLE GLAZING
WARM-EDGE GLAZING SPACER

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

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

SHGC MATRIX [2]

Glass SHGC[3]	Overall SHGC[4]
0.75	0.67
0.70	0.62
0.65	0.58
0.60	0.53
0.55	0.49
0.50	0.44
0.45	0.40
0.40	0.36
0.35	0.31
0.30	0.27
0.25	0.22
0.20	0.18
0.15	0.14
0.10	0.09
0.05	0.05

VISIBLE TRANSMITTANCE [2]

Glass SHGC[3]	Overall SHGC[4]
0.75	0.66
0.70	0.62
0.65	0.57
0.60	0.53
0.55	0.48
0.50	0.44
0.45	0.40
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 PERFORMANCE (DOUBLE GLAZED)

THERMAL TRANSMITTANCE[1] (BTU/hr • ft²• ºF)

Glass U-Factor[3]	Overall U-Factor[4]
0.32	0.37
0.30	0.35
0.28	0.33
0.26	0.31
0.24	0.29
0.22	0.28
0.20	0.26
0.18	0.24
0.16	0.22
0.14	0.20
0.12	0.19
0.10	0.17

4 SIDED SSG SYSTEM

1" DOUBLE GLAZING
WARM-EDGE GLAZING SPACER

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

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

SHGC MATRIX [2]

Glass SHGC[3]	Overall SHGC[4]
0.75	0.67
0.70	0.63
0.65	0.58
0.60	0.54
0.55	0.49
0.50	0.45
0.45	0.41
0.40	0.36
0.35	0.32
0.30	0.27
0.25	0.23
0.20	0.18
0.15	0.14
0.10	0.10
0.05	0.05

VISIBLE TRANSMITTANCE [2]

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

THERMAL PERFORMANCE (TRIPLE GLAZED)

THERMAL TRANSMITTANCE[1] (BTU/hr • ft^2 • °F)

Glass U-Factor[3]	Overall U-Factor[4]
0.31	0.34
0.30	0.34
0.28	0.32
0.26	0.30
0.24	0.28
0.22	0.26
0.20	0.25
0.18	0.23
0.16	0.21
0.14	0.19
0.12	0.17
0.10	0.15

4 SIDED SSG SYSTEM

1 3/4" TRIPLE GLAZING
WARM-EDGE GLAZING SPACER

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

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

SHGC MATRIX [2]

Glass SHGC[3]	Overall SHGC[4]
0.75	0.67
0.70	0.63
0.65	0.58
0.60	0.54
0.55	0.49
0.50	0.45
0.45	0.41
0.40	0.36
0.35	0.32
0.30	0.27
0.25	0.23
0.20	0.18
0.15	0.14
0.10	0.09
0.05	0.05

VISIBLE TRANSMITTANCE [2]

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