HISTORIC DISTRICT REVIEW BOARD REGULAR MEETING AGENDA

Town Council Chambers Building
765 Lynn Street, Herndon, VA 20170

Wednesday, June 18, 2025 | 7:00 PM

1. **Call to Order**
2. **Approval of Minutes**
   a. April 2, 2025, Historic District Review Board Work Session
   b. April 16, 2025, Historic District Review Board Regular Meeting
3. **Comments**
   a. Comments from the Staff Members
   b. Comments from the Board Members
   c. Comments from Citizens
4. **Public Hearings**
   a. **APPLICATION FOR AN ALTERATION TO AN EXISTING STRUCTURE, HDRB #25-002,** to consider an application for a Certificate of Appropriateness for alterations to a civic building located at 777 Lynn Street, Herndon, Virginia.
5. **Adjournment**

Historic District Review Board
Regular Meeting
Agenda Item 2.a.

Agenda Item: **April 2, 2025, Historic District Review Board Work Session**

Meeting Date: June 18, 2025

Category: Approval of Minutes

Prepared by: Aaron Zoellick, Clerk of Boards and Commissions

Description:
This is a request to approve the April 2, 2025, Historic District Review Board work session minutes.

Background:
N/A

Fiscal Impact:
N/A

Staff Recommendation/Next Steps:
Recommend approval, as presented.

Attachments:
1. 04.02.2025 HDRB Work Session Minutes

TOWN OF Herndon VIRGINIA

HERNDON HISTORIC DISTRICT REVIEW BOARD
Work Session Minutes
Wednesday, April 2, 2025

1. Call to Order

Chair Blaker-Glass called the April 2, 2025, Historic District Review Board work session to order at 7:02 p.m. in the Town of Herndon Council Chambers Building, 765 Lynn Street, Herndon, Virginia. In attendance were: Board Members Tamim Chowdhury, Melody Fetske, Paul LeReche, Amy Oleinick, and Triston Chase O'Savio, Vice Chair Lauren Edmondson and Chair Leslie Blaker-Glass.

Staff present during the meeting: Lauri Sigler, Deputy Town Attorney; Lisa Gilleran, Director of Community Development, Bryce Perry, Deputy Director of Community Development; and Collin Okoniewski, Planning Operations Manager.

Chair Blaker-Glass determined there was a quorum of six members present.

Mr. Chowdhury arrived at the meeting at 7:08 p.m. bringing the number of members present to seven.

2. Public Hearings

a. APPLICATION FOR AN ALTERATION TO AN EXISTING STRUCTURE, HDRB #25-001, to consider an application for a Certificate of Appropriateness for alterations to a commercial building located at 761 C Monroe Street, Herndon, Virginia. [Continued from the March 19, 2025, regular meeting pursuant to ARTICLE IV. MEETINGS, paragraph a. of the HDRB Bylaws.]

Chair Blaker-Glass opened the public hearing and called on Mr. Perry for the staff report.

Mr. Perry delivered the staff report dated April 2, 2025, which is on file with the Department of Community Development. Mr. Perry stated this is an application for alterations to an existing commercial building at 761 C Monroe Street.

Staff stated that there were no changes from what was proposed at the March meetings, and stated that staff still recommended approval of the application.

There were no questions from Board members.

The applicant, Michael Wijdoogen, was present to provide comments.

There was a discussion between staff, the board members, and the applicant about this item as it relates to the location, design and style of the proposed door.

3. Comments

a. Comments from the Staff Members

Bryce Perry announced that Community Development had hired a new staff member who will be staffing the HDRB & ARB, Angelina Jones. He announced that Ms. Jones would be invited to the HDRB & ARB regular meetings on April 16th.

b. Comments from the Board Members

Chair Blaker-Glass addressed Board members on matters that relate to some of the quorum issues that are occurring. Chair Blaker-Glass encouraged Board members to proactively communicate with staff on availability and changes to availability.

4. Adjournment

There being no further business, and without objection, the April 2, 2025, Historic District Review Board work session adjourned at 7:16 p.m.

Historic District Review Board Regular Meeting
Agenda Item 2.b.

Agenda Item: **April 16, 2025, Historic District Review Board Regular Meeting**

Meeting Date: June 18, 2025

Category: Approval of Minutes

Prepared by: Aaron Zoellick, Clerk of Boards and Commissions

Description:
This is a request to approve the April 16, 2025, Historic District Review Board regular meeting minutes.

Background:
N/A

Fiscal Impact:
N/A

Staff Recommendation/Next Steps:
Recommend approval, as presented.

Attachments:
1. 04.16.2025 HDRB Regular Meeting Minutes

TOWN OF Herndon VIRGINIA

HERNDON HISTORIC DISTRICT REVIEW BOARD
Regular Meeting Minutes
Wednesday, April 16, 2025

1. Call to Order

Chair Blaker-Glass called the April 16, 2025, Historic District Review Board regular meeting to order at 7:00 p.m. in the Town of Herndon Council Chambers Building, 765 Lynn Street, Herndon, Virginia. In attendance were: Board Members Tamim Chowdhury, Melody Fetske, Paul LeReche, Triston Chase O'Savio, Vice Chair Lauren Edmondson, and Chair Leslie Blaker-Glass.

Board Member Amy Oleinick was absent.

Staff present during the meeting: Lauri Sigler, Deputy Town Attorney; Lisa Gilleran, Director of Community Development; Angelina Jones, Lead Planner; and Aaron Zoellick, Clerk of Boards and Commissions.

Chair Blaker-Glass determined there was a quorum of six members present.

2. Approval of Minutes

a. February 5, 2025, Historic District Review Board Work Session

b. February 19, 2025, Historic District Review Board Regular Meeting

c. March 5, 2025, Historic District Review Board Work Session Minutes

d. March 19, 2025, Historic District Review Board Regular Meeting Minutes

Board Member Fetske motioned to approve the February 5, 2025, Historic District Review Board work session minutes, the February 19, Historic District Review Board regular meeting minutes, the March 5, 2025, Historic District Review Board work session minutes, and the March 19, 2025, Historic District Review Board regular meeting minutes. Motion seconded by Vice Chair Edmondson. The question was called on the motion which was carried by a 6 - 0 roll call vote. Board

Members Chowdhury, Fetske, LeReche, O'Savio, Vice Chair Edmondson, and Chair Blaker-Glass voted "Aye."

3. Comments

a. Comments from the Board Members

No comments were offered.

b. Comments from the Staff Members

Ms. Gilleran introduced Ms. Jones as the new lead planner.

c. Comments from Citizens

No comments were offered.

4. Public Hearings

Certifications of Publication from the Editor of the Fairfax County Times Newspapers were filed, showing that notices of the following public hearing items were duly advertised in the February 21 and February 28, 2025, issues.

a. APPLICATION FOR AN ALTERATION TO AN EXISTING STRUCTURE, HDRB #25-001, to consider an application for a Certificate of Appropriateness for alterations to a commercial building located at 761 C Monroe Street, Herndon, Virginia. [Continued from the March 19, 2025, regular meeting pursuant to ARTICLE IV. MEETINGS, paragraph a. of the HDRB Bylaws]

Chair Blaker-Glass opened the public hearing and recognized Ms. Gilleran for the staff report.

Ms. Gilleran delivered the staff report and staff presentation dated April 16, 2025, which are on file with the Department of Community Development. Ms. Gilleran stated this is an application to replace the existing front entrances located at the center of the front facade. Staff recommended approval of the application in accordance with the conditioned draft resolution labeled as Resolution #1.

There was a discussion among the Board Members and staff on this item, including: (1) whether the application would represent a departure from the design criteria or establish a precedent for future cases.

Chair Blaker-Glass invited the applicant to provide comments.

The applicant Michael Wijdoogen was present and provided brief comments.

Chair Blaker-Glass clarified with the applicant that the applicant's preference would

be for the second proposed resolution.

Chair Blaker-Glass recognized members of the audience for comment.

No comments were offered.

Chair Blaker-Glass closed the public hearing and moved to the board level for discussion and possible action.

Board Member Fetske motioned to approve HDRB #25-001 in accordance with resolution number two. Motion seconded by Board Member LeReche. The question was called on the motion, which was carried by a 6 - 0 roll call vote. Board Members Chowdhury, Fetske, LeReche, O'Savio, Vice Chair Edmondson, and Chair Blaker-Glass voted "Aye."

5. Adjournment

There being no further business, and without objection, the April 16, 2025, Historic District Review Board regular meeting adjourned at 7:18 p.m.

Historic District Review Board
Regular Meeting
Agenda Item 4.a.

Agenda Item: **APPLICATION FOR AN ALTERATION TO AN EXISTING STRUCTURE, HDRB #25-002, to consider an application for a Certificate of Appropriateness for alterations to a civic building located at 777 Lynn Street, Herndon, Virginia.**

Meeting Date: June 18, 2025

Category: Public Hearings

Prepared by: Angelina Jones, Lead Planner / Design and Development

Description:
The subject application proposes to change the storefront framing and glass system at the east and west elevations of the Herndon Municipal Center (777 Lynn Street). The current system is designed to appear frameless. The east entrance features a central, revolving door flanked by two pairs of hinged glass doors. The west entrance features a single pair of hinged glass doors, also set within a frameless storefront system. The proposed design eliminates the central revolving door on the east elevation and introduces a visible aluminum framing system for both entrances. For additional information, please see the June 4, 2025, staff report.

Background:
The Herndon Municipal Center features a multi-story civic building constructed in 1995 that hosts offices and services of the Town of Herndon's government. The building is situated on a 2.4-acre site shared with the Fortnightly Library, which is managed by Fairfax County. For additional information, please see the June 4, 2025, staff report.

Applicable standards and guidelines are listed below for reference:
- Zoning Ordinance 78-60.3(f)(1) - Standards for Alterations
- Historic District Overlay Guidelines - Chapter 8, Windows and Doors

Staff provided the following comments for discussion at the June work session:

- The new storefront design will introduce a visible framing system on the east and west elevations, a departure from the current frameless storefront design. The frameless storefront is meant to convey a sense of openness to the Herndon Municipal Center that represents the municipal government as transparent and open to participation of the Town's residents. Staff therefore recommended that the framing finish be changed from clear anodized (aluminum/silver) to black. This will cause the framing system to recede visually into the shadow of the entry porticos. This treatment is also consistent with the tinted window systems that

flank each portico.

- Maintaining a narrow frame and door frame is important and all possible framing options should be explored.
- The proposed design features an etched band in the glazing at about halfway through the height of the doors. Staff recommended removing this etched rail detail from the proposed design.
- The glass used in the storefront will need to be as transparent as possible. Staff requested that the applicant submit a sample for staff review prior to procuring the material for installation.
- The doorframe and associated hardware should match the black finish of the framing system.

Work Session Discussion:

At the June 4, 2025, work session the HDRB asked for clarification on why the applicant wished to install updated storefronts at the Herndon Municipal Center. The applicant explained that the current system does not meet the necessary standards for energy efficiency. He further explained that the mullions of the proposed replacement are as thin as they can be without introducing additional horizontal mullions.

The HDRB questioned the framing system finish as proposed by the applicant (aluminum/silver) and by staff (black). The HDRB inquired whether the color could match the round window above the portico (off-white). There were also comments regarding whether any horizontal framing is necessary and whether the door frame could be reduced to better complement the thinner storefront frame. The HDRB also inquired about the method of finishing the aluminum framing system and associated hardware (anodized or powder coated).

Updates since the Work Session:

Staff created the attached Photoshopped renderings to represent the three different finish options discussed at the work session. Staff continue to support a black framing system to minimize the visual impact, as this finish will best allow the framing to blend with the shadow of the porticos on either side of the building (see attachments for renderings). Staff also support employing a framing system that is as narrow as possible while still minimizing the need for horizontal mullions.

The applicant researched options for the door frame width and a frame with the same off-white finish used on the building’s windows. He found that Kawneer’s thermal door frame, which is required to meet code requirements, is the narrowest available among similar brands. The head (top of the door) is 3" and the sides of the door are 2-1/2". The bottom door rail is 10" due to building code accessibility requirements. There are a number of available finish colors, none of which are an exact match to the existing off-white color of the building’s other windows (see attachments). Any color finishes (other than black) would be applied as a powder coating, which is less durable than an

anodized finish (applied through an electrolytic process). If the system employs a black or clear (aluminum/silver) finish, then they will be anodized, Class I (exterior grade). The applicant is also seeking material samples for the glass and the frame colors.

A resolution has been drafted with a conditioned approval for the framing and hardware in black, with the etched rail removed and with allowances for the staff to verify the exact frame finish and glass transparency prior to building permit.

Fiscal Impact:
N/A

Staff Recommendation/Next Steps:
Staff recommends approval of the application in accordance with the conditioned draft resolution.

Attachments:
1. June 4, 2025 Staff Report
2. Resolution (Proposed)
3. Proposed Drawings
4. Site Photos
5. Additional Materials
6. Catalog Sheets
7. Legal Ad

STAFF REPORT

Agenda Item: **APPLICATION FOR AN ALTERATION TO AN EXISTING STRUCTURE, HDRB #25-002, to consider an application for a Certificate of Appropriateness for alterations to a civic building located at 777 Lynn Street, Herndon, Virginia.**

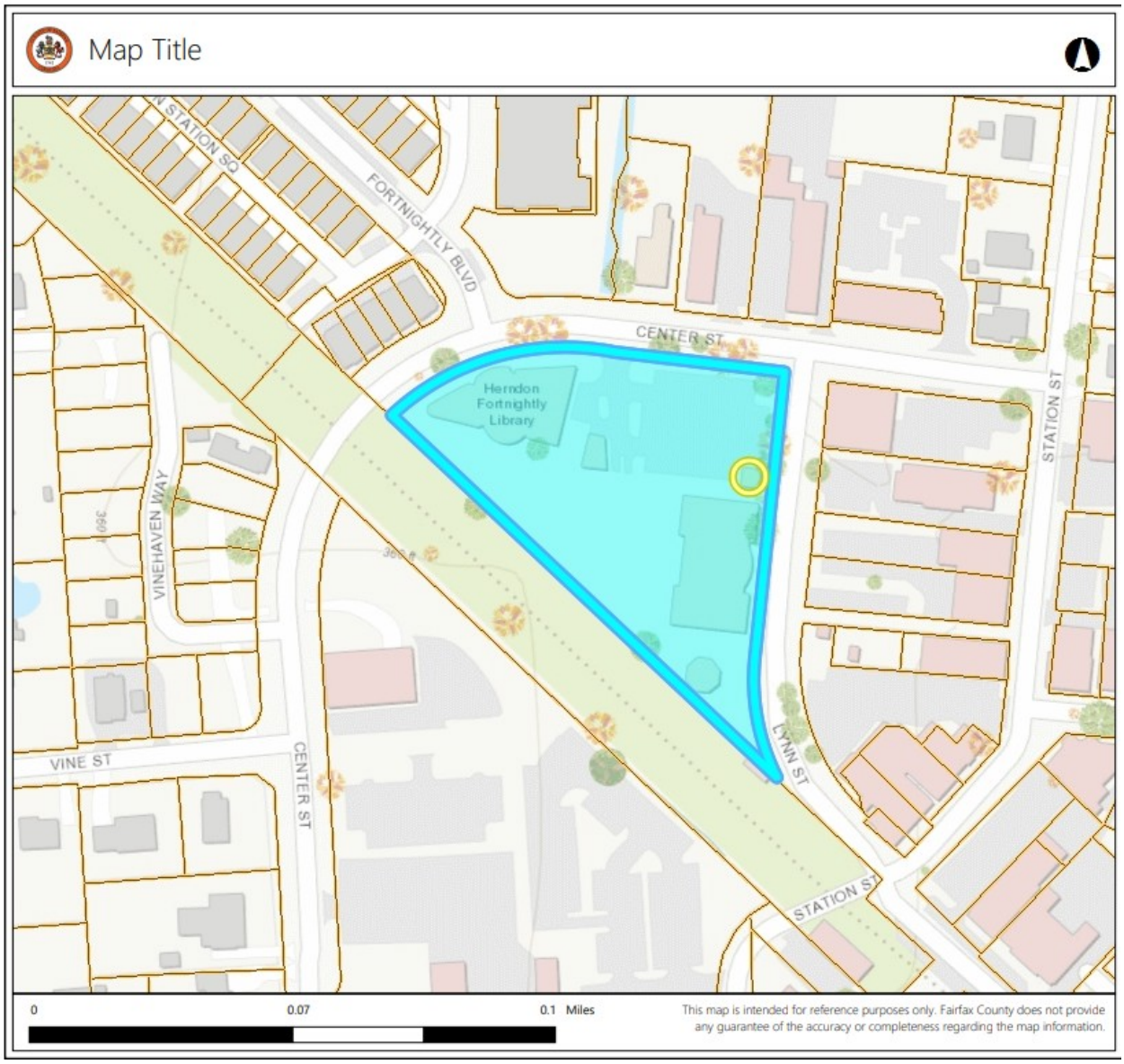
Meeting Date: **June 4, 2025**

Staff Contact: Angelina R. Jones, Lead Planner – Design & Development

Summary Information:

Proposed Modification	Replace storefront framing and glass system on east and west elevations		
Address	777 Lynn Street		
Fairfax County Tax Map Number	0162 02 0301A		
Owners	The Town of Herndon		
Applicant	The Town of Herndon		
Business/Organization	The Town of Herndon		
Property Use	Civic		
Zoning District	PD-D Planned Development - Downtown		
HDO Designation	Non-Contributing		
Adjacent Zoning	**North:** CC – Central Commercial District **South:** PD-TD – Planned Development – Traditional Downtown	**East:** CC – Central Commercial District **West:** PD-TD – Planned Development – Traditional Downtown	
Building Type(s)	Multi-story civic	**Date of Construction:**	1995
Architectural Style(s)	Post-Modern		
Exterior Material(s)	Primary material: brick in stretcher bond and coursed treatment; Secondary material: Concrete; Roof: asphalt shingle (3-tab); Window material: aluminum		
Neighborhood Design Profile	Existing commercial and office uses with some recreation along the W&OD Trail		
Comprehensive Plan Land Use Designation	Community Facilities		

Location Map:



Background & Site Description:

Site Description The property at 777 Lynn Street, known as the Herndon Municipal Center, features a multi-story civic building constructed in 1995 that hosts offices and services of the Town of Herndon's government. The building is located on a 2.4-acre site, shared with the Fortnightly Library, which is managed by Fairfax County.

Architectural Style The Herndon Municipal Center is an example of Postmodern architecture (late 1960s-Present), a style that is characterized by the imitation or adaptation of traditional building styles and elements while employing new materials, forms, and/or combinations. The building at 777 Lynn Street draws on elements typical of Greek Revival buildings, such as entry portico supported by prominent columns, cornice emphasized by wide banding pattern, square cupola, and a symmetrically arranged façade. However, these characteristic elements are simplified and exaggerated, creating a familiar yet new form as is typical of the Postmodern style.

Storefront on the east elevation. Note the visual connection through the front of the building to the town green west of the building. Please see attachments for additional photographs. Source: Google Maps.

Case Details & Proposal:

The subject application proposes to change the storefront framing and glass system at the east and west elevations of the Herndon Municipal Center. The current system is designed to appear frameless. The east entrance features a central, revolving door flanked by two pairs of hinged glass doors. The west entrance features a single pair of hinged glass doors, also set within a frameless storefront system.

The proposed design eliminates the central revolving door on the east elevation and introduces a visible aluminum framing system. The proposed redesigned storefront uses components manufactured by Kawneer. The current design features framing that

is 2” in width and in Kawneer’s clear anodized finish (a cutsheet with a list of available finishes is included in the attachments).

Staff Analysis:

Zoning Ordinance Compliance
- Zoning Ordinance 78-60.3(f)(1) - Standards for Alterations
- Historic District Overlay Guidelines - Chapter 8, Windows and Doors

Staff has found that the proposed alterations meet the applicable standards and requirements of the Town of Herndon Zoning Ordinance.

Design Considerations

Staff recommend the following changes to the current design proposal:

- The new storefront design will introduce a visible framing system on the east and west elevations, a departure from the current frameless storefront design. The frameless storefront is meant to convey a sense of openness to the Herndon Municipal Center that represents the municipal government as transparent and open to participation of the Town’s residents. Staff therefore recommend that the framing finish be changed from clear anodized to black. This will cause the framing system to recede visually into the shadow of the entry porticos on either side of the building. This treatment is also consistent with the tinted window systems that flank each portico. The applicant’s architect has indicated that there are two different depth options for the Kawneer framing system in the black finish. Maintaining a narrow frame is important and all possible options for narrow frames should be explored.

- The proposed design features an etched band in the glazing at about halfway through the height of the doors. This design detail is carried over from the current storefront design, which includes an etched band at the height of the door handle. Staff recommend removing this etched band detail from the proposed design. The proposed visible framing system creates new visual divisions along the storefront that are not present in the current system. The etched band further breaks up an area of glazing that could be open, thereby increasing the overall feeling openness of the storefront.

- The glass used in the storefront will need to be as transparent as possible. Staff are requesting that the applicant submit a sample for staff review prior to procuring the material for installation.

- The doorframe and associated hardware should match the black finish of the framing system.

Historic District Review Board Alternatives:
The following alternatives are available to the HDRB for its decision on HDRB #25-002.

1. Approval as proposed
2. Approval with conditions
3. Denial on specific stated grounds
4. Continuance of the application to a future public hearing

Staff Recommendation:

Staff is withholding a recommendation, pending discussion of the above comments at the work session.

TOWN OF HERNDON, VIRGINIA
TOWN COUNCIL

RESOLUTION

JUNE 18, 2025

Resolution- to approve HDRB #25-002 for alterations to a civic building located at 777 Lynn Street, Herndon, Virginia, located on the west side of Lynn Street, at the intersection with Center Street. The subject property is further identified as Fairfax County Tax Map 0162 02 0301A.

BE IT RESOLVED by the Historic District Review Board of the Town of Virginia that:

1. The Historic District Review Board approves HDRB #25-002, for alterations to a civic building located at 777 Lynn Street, Herndon, Virginia, in substantial conformance with the information shown in the case materials reviewed by the HDRB at the June 18, 2025, public hearing and with the following conditions:

    a. The proposed storefronts shall be designed with the narrowest possible framing, including the door frame, while also minimizing the need for additional horizontal mullions.

    b. The framing and hardware finish shall be anodized black.

    c. The etched rail on the glazing shown in the drawings shall be removed from the final design.

    d. The applicant shall coordinate with staff to select appropriate glazing and finishes, including associated hardware, for the storefront systems prior to procuring the material for installation.

    e. The applicant shall provide updated application materials to staff for staff approval, to verify compliance with the conditions, and to add to the case record.

TOWN OF HERNDON
DEPARTMENT OF PUBLIC WORKS

HERNDON MUNICIPAL CENTER - STOREFRONT REPLACEMENT

777 LYNN ST, HERNDON, VA 20170

50% SET

04-10-2025

GAUTHIER ALVARADO ASSOCIATES

ARCHITECTURE | ENGINEERING | PLANNING

10201 FAIRFAX BOULEVARD, SUITE 225, FAIRFAX, VIRGINIA
703-241-2202 WWW.GAA-AE.COM

ABBREVIATIONS

ACS PNL	ACCESS PANEL
ACST	ACOUSTIC (AL)
ADJ	ADJACENT; ADJUSTABLE
ADDL	ADDITIONAL
ADDM	ADDENDUM
AFF	ABOVE FINISH FLOOR
AL	ALUMINUM
ALT	ALTERNATE
ANSI	AMERICAN NATIONAL STANDARDS INSTITUTE
APPROX	APPROXIMATE
ARCH	ARCHITECT (URAL)
ASC	ABOVE SUSPENDED CEILING
ASTM	AMERICAN SOCIETY FOR TESTING AND MATERIALS
BAL	BALANCE
BD	BOARD
BITUM	BITUMINOUS
BLDG	BUILDING
BLKG	BLOCKING
BOT	BOTTOM
BRDG	BRIDGING
BS	BOTH SIDES
BTWN	BETWEEN
CAB	CABINET
CAP	CAPACITY
CJ	CONTROL JOINT
CLG	CEILING
CLO	CLOSET
CLR	CLEAR
CO	CASED OPENING
COL	COLUMN
CONC	CONCRETE
CONN	CONNECTION
CONSTR	CONSTRUCTION
CONT	CONTINUOUS
CONTR	CONTRACTOR
COORD	COORDINATE
CPT	CARPET (ED)
CSK	COUNTER SUNK
CT	CERAMIC TILE
CU	COPPER
CW	COLD WATER
D	DEPTH; DEEP
DBL	DOUBLE
DET	DETAIL
DIA	DIAMETER
DIM	DIMENSION
DN	DOWN
DR	DOOR
DWG	DRAWING
E	EAST
EA	EACH
EE	EACH END
EF	EACH FACE
EJ	EXPANSION JOINT
EL	ELEVATION
ELEC	ELECTRIC (AL)
ELEV	ELEVATOR
EMER	EMERGENCY
ENCL	ENCLOSE (URE)
EQ	EQUAL
EQUIP	EQUIPMENT
EW	EACH WAY
EWC	ELECTRIC WATER COOLER
EXH	EXHAUST
EXIST	EXISTING
EXP	EXPOSED; EXPANSION
EXT	EXTERIOR; EXTINGUISHER
F	FAHRENHEIT
F/O	FACE OF
FA	FIRE ALARM
FD	FLOOR DRAIN
FDTN	FOUNDATION
FE	FIRE EXTINGUISHER
FH	FIRE HYDRANT
FIN	FINISH (ED)
FLR	FLOOR
FLUOR	FLUORESCENT
FR	FIRE RESISTANT
FRTW	FIRE RETARDANT TREATED WOOD
FT	FOOT, FEET
FTG	FOOTING
FURG	FURRING (ED)
GA	GAGE
GALV	GALVANIZED
GL	GLASS
GYP	GYPSUM
HC	HANDICAP
HCW	HOLLOW CORE WOOD
HDW	HARDWARE
HM	HOLLOW METAL
HORIZ	HORIZONTAL
HPT	HIGH POINT
HT	HEIGHT
HVAC	HEATING/VENTILATING/AIR CONDITIONING
HW	HOT WATER
ID	INSIDE DIAMETER
INCL	INCLUDE (D), (ING)
INFO	INFORMATION
INSUL	INSULATION; INSULATED
INT	INTERIOR
JAN	JANITOR
JST	JOIST
JT	JOINT
L	LONG; LENGTH
LAB	LABORATORY
LAM	LAMINATE (D)
LBS	POUNDS
LF	LINEAR FEET
MACH	MACHINE
MATL	MATERIAL
MAX	MAXIMUM
MDF	MEDIUM DENSITY FIBERBOARD
MECH	MECHANICAL
MED	MEDIUM
MTL	METAL
MFR	MANUFACTURER
MIN	MINIMUM; MINUTE
MISC	MISCELLANEOUS
MTD	MOUNTED
MTG	MOUNTING
N	NORTH
NIC	NOT IN CONTRACT
NO	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OC	ON CENTER
OD	OUTSIDE DIAMETER
OPNG	OPENING
OPP	OPPOSITE
OVHD	OVERHEAD
PART	PARTIAL
PL	PLATE
PLAM	PLASTIC LAMINATE
PLBG	PLUMBING
PLYWD	PLYWOOD
PNL	PANEL
PTD	PAINTED
PTN	PARTITION
QT	QUARRY TILE
R	RADIUS; RISER
REINF	REINFORCEMENT
REQD	REQUIRED
RESIL	RESILIENT
REV	REVISION
RM	ROOM
RO	ROUGH OPENING
S	SOUTH
SAPC	SUSPENDED ACOUSTICAL PANEL CEILING
SCHED	SCHEDULE (D)
SCW	SOLID CORE WOOD
SECT	SECTION
SF	STOREFRONT; SQUARE FOOT
SIM	SIMILAR
SQ	SQUARE
SST	STAINLESS STEEL
ST	STREET
STD	STANDARD
STL	STEEL
STOR	STORAGE
STRUCT	STRUCTURE (AL)
SUSP	SUSPENDED
SYMM	SYMMETRY (ICAL)
T/O	TOP OF
TEMP	TEMPERATURE; TEMPORARY
THK	THICK (NESS)
THRU	THROUGH
TOW	TOP OF WALL
TRTD	TREATED
TYP	TYPICAL
UL	UNDERWRITER'S LABORATORIES
UON	UNLESS OTHERWISE NOTED
VCT	VINYL COMPOSITION TILE
VERT	VERTICAL
W	WIDTH; WASTE; WEST; WIRE
W/	WITH
W/O	WITHOUT
WD	WOOD
WDW	WINDOW
WP	WATERPROOF (ING); WORK POINT
WT	WEIGHT

GENERAL NOTES

1. WORK SHALL CONFORM WITH APPLICABLE FEDERAL, STATE AND LOCAL GOVERNING ORDINANCES, CODES AND REGULATIONS. ALL MATERIALS SHALL COMPLY WITH APPLICABLE CODES, ORDINANCES AND REGULATIONS.
2. VISIT AND BECOME FAMILIAR WITH THE SITE AND BUILDING PRIOR TO BID. INCLUDE THE COST OF ALL WORK DESCRIBED IN THE CONTRACT DOCUMENTS AND THAT IS REQUIRED OF REASONABLY IMPLIED TO ACHIEVE THE DESIGN INTENT OF THE CONTRACT DOCUMENTS.
3. NOTIFY THE ARCHITECT OF ANY CONFLICTS BETWEEN EXISTING CONDITIONS AND THE NEW WORK, OF ANY OMISSIONS OR CONFLICTS IN THE DRAWINGS AND ANY RESTRICTIONS RELATED TO THE EXECUTION OF THE WORK INCLUDING THE COORDINATION WITH OTHER TRADES.
4. COORDINATE AND WORK WITH ALL TRADES ON THE PROJECT NOT UNDER CONTRACT TO THE CONTRACTOR, ANY CHANGES OR DELAYS ARISING FROM CONFLICTS BETWEEN TRADES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
5. FIELD VERIFY ALL CONDITIONS AND DIMENSIONS INDICATED AND NOTIFY THE ARCHITECT OF ANY VARIATION PRIOR TO THE PURCHASING OF MATERIALS, FABRICATION OR CONSTRUCTION OF ANY ITEM.
6. ALL REASONABLY INFERRED CONDITIONS NOT OTHERWISE INDICATED IN THESE CONDITIONS DOCUMENTS SHALL BE INTERPRETED AS HAVING THE SAME MEANING AS THOSE MOST SIMILARLY DETAILED AND MORE FULLY DEFINED ELSEWHERE WITHIN THESE DOCUMENTS. NOTIFY THE ARCHITECT IN CLARIFICATIONS ARE REQUIRED. THE CONTRACTOR SHALL BE LIABLE IF INAPPROPRIATE INTERPRETATIONS CONFLICT WITH OTHER ELEMENTS OF THE WORK.
7. PROTECT EXISTING ADJACENT AREAS FROM DAMAGE DURING EXECUTION OF THE WORK. ALL ITEMS DAMAGED DURING THE WORK SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
8. ADJACENT AREAS OF THE EXISTING FACILITY WILL REMAIN IN OPERATION WHILE WORK IS BEING DONE. ALL WORK SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE, AND SHALL BE SEQUENCED AND PERFORMED IN A MANNER TO MINIMIZE ANY IMPACTS ON EXISTING FACILITY OPERATIONS.

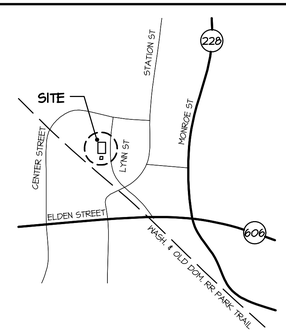
POINTS OF CONTACT

ARCHITECT:

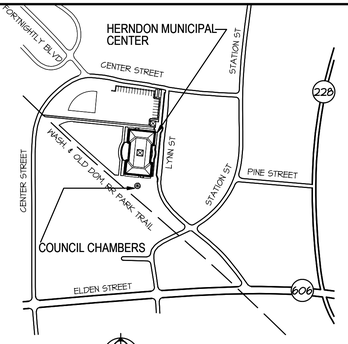
GAUTHIER, ALVARADO & ASSOCIATES
10201 FAIRFAX BLVD, SUITE 225, FAIRFAX, VA 22030
TELEPHONE: 703-241-2202

ARCHITECT OF RECORD:
STEPHANIE STEIN 703-241-2202

MAPS



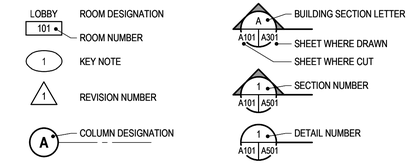
VICINITY MAP



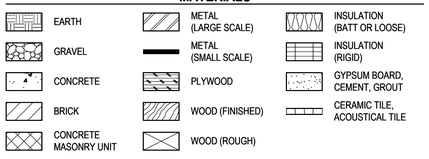
LOCATION MAP

INDEX OF DRAWINGS

SYMBOLS



MATERIALS



BUILDING DATA

EXISTING BUILDING INFORMATION

OCCUPANT LOAD: REMAINS UNCHANGED

USE GROUP CLASSIFICATION

GROUP B-BUSINESS

CONSTRUCTION CLASSIFICATION

TYPE 2B, NON-COMBUSTIBLE
BUILDING IS AUTOMATIC SPRINKLERED THROUGHOUT

APPLICABLE CODES

2021 VIRGINIA UNIFORM STATEWIDE BUILDING CODE
2021 VIRGINIA EXISTING BUILDING CODE, LEVEL 2 ALTERATIONS PER SECTION 601
2021 VIRGINIA FIRE PREVENTION CODE
2021 VIRGINIA PLUMBING CODE
2021 VIRGINIA ENERGY CONSERVATION CODE
2021 VIRGINIA MECHANICAL CODE
2020 NFPA 70 NATIONAL ELECTRIC CODE
2017 ACCESSIBLE AND USABLE BUILDINGS AND FACILITIES (ICC/ANSI A117.1)

DRAWING NUMBER

T001

DATE 04/10/25
TIME 04:07:07
FILE 76084-COV
SCALE NA

GENERAL NOTES

1. SUBSTITUTIONS: NO SUBSTITUTIONS OF MATERIALS WILL BE ALLOWED WHERE A MANUFACTURER IS SPECIFIED. WHERE THE TERM "OR APPROVED EQUAL" IS USED, THE ARCHITECT, TENANT AND TENANT'S REPRESENTATIVE ALONE SHALL DETERMINE QUALITY BASED UPON COMPLETE INFORMATION SUBMITTED BY THE CONTRACTOR. SUBSTITUTIONS SHALL NOT BE MADE UNLESS DRAWINGS AND/OR CUT SHEETS ARE SUBMITTED TO THE ARCHITECT FOR APPROVAL. IT IS THE CONTRACTORS RESPONSIBILITY TO VERIFY THAT THE PROPOSED SUBSTITUTIONS COMPLY WITH ALL SPECIFICATIONS.
2. ALL PROPOSED SUBSTITUTIONS SHALL BE REVIEWED BY THE ARCHITECT AND HE/SHE SHALL HAVE THE FINAL AUTHORITY TO ACCEPT OR REJECT SUBSTITUTIONS AS "EQUAL" TO THE SPECIFIED ITEM OR ASSEMBLY. IF THE GENERAL CONTRACTOR DOES NOT IDENTIFY AND RECEIVE APPROVAL FOR SUBSTITUTIONS, THEN THE ARCHITECT RETAINS THE RIGHT TO DEMAND THAT THE PRODUCT OR CONSTRUCTION METHOD ORIGINALLY SPECIFIED BE INSTALLED WITHOUT ADDITIONAL COST TO THE TENANT.
3. THE GENERAL CONTRACTOR SHALL PROVIDE A PROPOSED CONSTRUCTION SCHEDULE SHOWING THE PHASING OF THE WORK AND THE TIME REQUIRED FOR EACH ELEMENT OF EACH PHASE WITH THE BID. THE CONTRACTOR SHALL NOTIFY THE ARCHITECT OF ANY LONG LEAD ITEMS THAT WILL AFFECT THE DATE OF SUBSTANTIAL COMPLETION AND PROVIDE ALTERNATE SOURCES PRIOR TO BEGINNING WORK.

SELECTIVE DEMOLITION NOTES:

1. MAINTAIN AND PROTECT EXISTING UTILITIES TO REMAIN IN SERVICE BEFORE PROCEEDING WITH DEMOLITION, PROVIDING BYPASS CONNECTION TO OTHER PARTS OF THE BUILDING.
2. LOCATE, IDENTIFY, SHUTOFF, DISCONNECT AND CAP OFF UTILITY SERVICES TO BE DEMOLISHED.
3. CONDUCT DEMOLITION OPERATIONS AND REMOVE DEBRIS TO PREVENT INJURY TO PEOPLE AND DAMAGE ADJACENT BUILDINGS AND SITE IMPROVEMENTS.
4. PROTECT REMAINING WALLS, CEILINGS, FLOORS AND EXPOSED FINISHES. ERECT AND MAINTAIN DUSTPROOF PARTITIONS. COVER AND PROTECT REMAINING FURNITURE, FURNISHINGS AND EQUIPMENT.
5. PROMPTLY PATCH AND REPAIR HOLES AND DAMAGED SURFACES OF BUILDING CAUSED BY DEMOLITION. RESTORE EXPOSED FINISHES OF PATCHED AREAS AND EXTEND FINISH RESTORATION INTO REMAINING ADJOINING CONSTRUCTION.

SEALANT NOTES:

1. PROVIDE JOINT SEALANTS, BACKINGS, AND OTHER RELATED MATERIALS THAT ARE COMPATIBLE WITH ONE ANOTHER AND WITH JOINT SUBSTRATES UNDER CONDITIONS OF SERVICE AND APPLICATION, AS DEMONSTRATED BY JOINT-SEALANT MANUFACTURER, BASED ON TESTING AND FIELD EXPERIENCE.
2. DO NOT PROCEED WITH INSTALLATION OF JOINT SEALANTS UNDER THE FOLLOWING CONDITIONS: WHEN AMBIENT AND SUBSTRATE TEMPERATURE CONDITIONS ARE OUTSIDE LIMITS PERMITTED BY JOINT-SEALANT MANUFACTURER OR ARE BELOW 40 DEG F.WHEN JOINT SUBSTRATES ARE WET, WHERE JOINT WIDTHS ARE LESS THAN THOSE ALLOWED BY JOINT-SEALANT MANUFACTURER FOR APPLICATIONS INDICATED, WHERE CONTAMINANTS CAPABLE OF INTERFERING WITH ADHESION HAVE NOT YET BEEN REMOVED FROM JOINT SUBSTRATES.
3. COLORS OF EXPOSED JOINT SEALANTS: AS SELECTED BY ARCHITECT FROM MANUFACTURER'S FULL RANGE.
4. SILICONE, NONSTAINING, S, NS, 50, NT: NONSTAINING, SINGLE-COMPONENT, NONSAG, PLUS 50 PERCENT AND MINUS 50 PERCENT MOVEMENT CAPABILITY, NONTRAFFIC-USE, NEUTRAL-CURING SILICONE JOINT SEALANT; ASTM C920, TYPE S, GRADE NS, CLASS 50, USE NT.
5. CYLINDRICAL SEALANT BACKINGS: ASTM C1330, TYPE C (CLOSED-CELL MATERIAL WITH A SURFACE SKIN), AND OF SIZE AND DENSITY TO CONTROL SEALANT DEPTH AND OTHERWISE CONTRIBUTE TO PRODUCING OPTIMUM SEALANT PERFORMANCE.
6. BOND-BREAKER TAPE: POLYETHYLENE TAPE OR OTHER PLASTIC TAPE RECOMMENDED BY SEALANT MANUFACTURER FOR PREVENTING SEALANT FROM ADHERING TO RIGID, INFLEXIBLE JOINT-FILLER MATERIALS OR JOINT SURFACES AT BACK OF JOINT. PROVIDE SELF-ADHESIVE TAPE WHERE APPLICABLE.
7. PRIMER: MATERIAL RECOMMENDED BY JOINT-SEALANT MANUFACTURER WHERE REQUIRED FOR ADHESION OF SEALANT TO JOINT SUBSTRATES INDICATED, AS DETERMINED FROM PRECONSTRUCTION JOINT-SEALANT-SUBSTRATE TESTS AND FIELD TESTS.
8. CLEANERS FOR NONPOROUS SURFACES: CHEMICAL CLEANERS ACCEPTABLE TO MANUFACTURERS OF SEALANTS AND SEALANT BACKING MATERIALS, FREE OF OILY RESIDUES OR OTHER SUBSTANCES CAPABLE OF STAINING OR HARMING JOINT SUBSTRATES AND ADJACENT NONPOROUS SURFACES IN ANY WAY, AND FORMULATED TO PROMOTE OPTIMUM ADHESION OF SEALANTS TO JOINT SUBSTRATES.
9. MASKING TAPE: NONSTAINING, NONABSORBENT MATERIAL COMPATIBLE WITH JOINT SEALANTS AND SURFACES ADJACENT TO JOINTS.
10. PROTECT JOINT SEALANTS DURING AND AFTER CURING PERIOD FROM CONTACT WITH CONTAMINATING SUBSTANCES AND FROM DAMAGE RESULTING FROM CONSTRUCTION OPERATIONS OR OTHER CAUSES SO SEALANTS ARE WITHOUT DETERIORATION OR DAMAGE AT TIME OF SUBSTANTIAL COMPLETION. IF, DESPITE SUCH PROTECTION, DAMAGE OR DETERIORATION OCCURS, CUT OUT, REMOVE, AND REPAIR DAMAGED OR DETERIORATED JOINT SEALANTS IMMEDIATELY SO INSTALLATIONS WITH REPAIRED AREAS ARE INDISTINGUISHABLE FROM ORIGINAL WORK.

ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS NOTES:

1. OBTAIN ALL COMPONENTS OF ALUMINUM-FRAMED ENTRANCE AND STOREFRONT SYSTEM, INCLUDING FRAMING AND ACCESSORIES, FROM SINGLE MANUFACTURER.
2. MANUFACTURER AND INSTALLER AGREE TO REPAIR OR REPLACE COMPONENTS OF ALUMINUM-FRAMED ENTRANCE AND STOREFRONT SYSTEMS THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED WARRANTY PERIOD. FAILURES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: STRUCTURAL FAILURES, INCLUDING FAULTY OPERATION OF DOORS AND DOOR HARDWARE, DETERIORATION OF METALS, METAL FINISHES, AND OTHER MATERIALS BEYOND NORMAL WEATHERING AND/ OR USE. WARRANTY PERIOD: TWO YEARS FROM DATE OF SUBSTANTIAL COMPLETION.
3. COMPLY WITH PERFORMANCE REQUIREMENTS SPECIFIED, AS DETERMINED BY TESTING OF ALUMINUM-FRAMED ENTRANCE AND STOREFRONT SYSTEMS REPRESENTING THOSE INDICATED FOR THIS PROJECT WITHOUT FAILURE DUE TO DEFECTIVE MANUFACTURE, FABRICATION, INSTALLATION, OR OTHER DEFECTS IN CONSTRUCTION.
4. ALUMINUM-FRAMED ENTRANCE AND STOREFRONT SYSTEMS TO WITHSTAND MOVEMENTS OF SUPPORTING STRUCTURE, INCLUDING, BUT NOT LIMITED TO, TWIST, COLUMN SHORTENING, LONG-TERM CREEP, AND DEFLECTION FROM UNIFORMLY DISTRIBUTED AND CONCENTRATED LIVE LOADS. FAILURE ALSO INCLUDES THE FOLLOWING; THERMAL STRESSES TRANSFERRING TO BUILDING STRUCTURE, GLASS BREAKAGE, NOISE OR VIBRATION CREATED BY WIND AND THERMAL AND STRUCTURAL MOVEMENTS, LOOSENING OR WEAKENING OF FASTENERS, ATTACHMENTS, AND OTHER COMPONENTS, FAILURE OF OPERATING UNITS.
5. ENTRANCE DOOR HARDWARE SCHEDULE: PREPARED BY OR UNDER SUPERVISION OF SUPPLIER, DETAILING FABRICATION AND ASSEMBLY OF ENTRANCE DOOR HARDWARE, AS WELL AS PROCEDURES AND DIAGRAMS. COORDINATE FINAL ENTRANCE DOOR HARDWARE SCHEDULE WITH DOORS, FRAMES, AND RELATED WORK TO ENSURE PROPER SIZE, THICKNESS, HAND, FUNCTION, AND FINISH OF ENTRANCE DOOR HARDWARE.
6. STRUCTURAL LOADS: WIND LOADS: 30 PSF
7. DEFLECTION OF FRAMING MEMBERS SUPPORTING GLASS: AT DESIGN WIND LOAD, AS FOLLOWS: DEFLECTION NORMAL TO WALL PLANE: LIMITED TO 1/175 OF CLEAR SPAN FOR SPANS OF UP TO 13 FEET 6 INCHES.
8. DEFLECTION PARALLEL TO GLAZING PLANE: LIMITED TO AMOUNT NOT EXCEEDING THAT WHICH REDUCES GLAZING BITE TO LESS THAN 75 PERCENT OF DESIGN DIMENSION AND THAT WHICH REDUCES EDGE CLEARANCE BETWEEN FRAMING MEMBERS AND GLAZING OR OTHER FIXED COMPONENTS TO LESS THAN 1/8 INCH.
9. WATER PENETRATION UNDER STATIC PRESSURE: TEST IN ACCORDANCE WITH ASTM E331 AS FOLLOWS: NO EVIDENCE OF WATER PENETRATION THROUGH FIXED GLAZING AND FRAMING AREAS, INCLUDING ENTRANCE DOORS, WHEN TESTED IN ACCORDANCE WITH A MINIMUM STATIC-AIR-PRESSURE DIFFERENTIAL OF 20 PERCENT OF POSITIVE WIND-LOAD DESIGN PRESSURE, BUT NOT LESS THAN 6.24 LBF/SQ. FT.
10. WATER PENETRATION UNDER DYNAMIC PRESSURE: TEST IN ACCORDANCE WITH AAMA 501.1 AS FOLLOWS: NO EVIDENCE OF WATER PENETRATION THROUGH FIXED GLAZING AND FRAMING AREAS WHEN TESTED AT DYNAMIC PRESSURE EQUAL TO 20 PERCENT OF POSITIVE WIND-LOAD DESIGN PRESSURE, BUT NOT LESS THAN 6.24 LBF/SQ. FT.

ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS NOTES CONTINUED

11. MAXIMUM WATER LEAKAGE: IN ACCORDANCE WITH AAMA 501.1. WATER LEAKAGE DOES NOT INCLUDE WATER CONTROLLED BY FLASHING AND GUTTERS, OR WATER THAT IS DRAINED TO EXTERIOR.
12. THERMAL TRANSMITTANCE (U-FACTOR): FIXED GLAZING AND FRAMING AREAS: U-FACTOR FOR THE SYSTEM OF NOT MORE THAN 0.36 BTU/SQ. FT. X H X DEG F AS DETERMINED IN ACCORDANCE WITH NFRC 100. ENTRANCE DOORS: U-FACTOR OF NOT MORE THAN 0.63 BTU/SQ. FT. X H X DEG F AS DETERMINED IN ACCORDANCE WITH NFRC 100.
13. SOLAR HEAT-GAIN COEFFICIENT (SHGC): FIXED GLAZING AND FRAMING AREAS: SHGC FOR THE SYSTEM OF NOT MORE THAN 0.58 AS DETERMINED IN ACCORDANCE WITH NFRC 200. ENTRANCE DOORS: SHGC OF NOT MORE THAN 0.53 AS DETERMINED IN ACCORDANCE WITH NFRC 200.
14. AIR LEAKAGE: FIXED GLAZING AND FRAMING AREAS: AIR LEAKAGE FOR THE SYSTEM OF NOT MORE THAN 0.06 CFM/SQ. FT. AT A STATIC-AIR-PRESSURE DIFFERENTIAL OF 1.57 LBF/SQ. FT. WHEN TESTED IN ACCORDANCE WITH ASTM E283. ENTRANCE DOORS: AIR LEAKAGE OF NOT MORE THAN 1.0 CFM/SQ. FT. AT A STATIC-AIR-PRESSURE DIFFERENTIAL OF 1.57 LBF/SQ. FT.
15. CONDENSATION RESISTANCE FACTOR (CRF): FIXED GLAZING AND FRAMING AREAS: CRF FOR THE SYSTEM OF NOT LESS THAN 55 AS DETERMINED IN ACCORDANCE WITH AAMA 1503. ENTRANCE DOORS: CRF OF NOT LESS THAN **57** AS DETERMINED IN ACCORDANCE WITH AAMA 1503.
16. THERMAL MOVEMENTS: ALLOW FOR THERMAL MOVEMENTS RESULTING FROM AMBIENT AND SURFACE TEMPERATURE CHANGES. TEMPERATURE CHANGE: 120 DEG F, AMBIENT; 180 DEG F, MATERIAL SURFACES.
17. MANUFACTURERS: SUBJECT TO COMPLIANCE WITH REQUIREMENTS, PROVIDE PRODUCTS BY THE FOLLOWING: KAWNEER COMPANY, INC.; ARCONIC CORPORATION. BASIS OF DESIGN: TRIFAB VERSAGLAZE 601UT.
18. FRAMING MEMBERS: MANUFACTURER'S EXTRUDED- OR FORMED-ALUMINUM FRAMING MEMBERS OF THICKNESS REQUIRED AND REINFORCED AS REQUIRED TO SUPPORT IMPOSED LOADS.
21. EXTERIOR FRAMING CONSTRUCTION: THERMALLY BROKEN AND THERMALLY IMPROVED. FABRICATION METHOD: SCREW-SPLINE.
22. GLAZING SYSTEM: RETAINED MECHANICALLY WITH GASKETS ON FOUR SIDES. GLAZING PLANE: CENTER.
23. FINISH: CLEAR ANODIC FINISH. AAMA 611, AA-M12C22A41, CLASS I, 0.018 MM OR THICKER.
24. ALUMINUM: ALLOY AND TEMPER RECOMMENDED BY MANUFACTURER FOR TYPE OF USE AND FINISH INDICATED.
25. STEEL REINFORCEMENT: AS REQUIRED BY MANUFACTURER.
26. BACKER PLATES: MANUFACTURER'S STANDARD, CONTINUOUS BACKER PLATES FOR FRAMING MEMBERS, IF NOT INTEGRAL, WHERE FRAMING ABUTS ADJACENT CONSTRUCTION.
27. BRACKETS AND REINFORCEMENTS: MANUFACTURER'S STANDARD HIGH-STRENGTH ALUMINUM WITH NONSTAINING, NONFERROUS SHIMS FOR ALIGNING SYSTEM COMPONENTS.
28. DOOR CONSTRUCTION: BASIS OF DESIGN: 250T INSULPOUR THERMAL ENTRANCE. 2- TO 2-1/4-INCH OVERALL THICKNESS, WITH MINIMUM 0.125-INCH- THICK, EXTRUDED-ALUMINUM TUBULAR RAIL AND STILE MEMBERS. MECHANICALLY FASTEN CORNERS WITH REINFORCING BRACKETS THAT ARE DEEPLY PENETRATED AND FILLET WELDED OR THAT INCORPORATE CONCEALED TIE RODS. NARROW STILE; 2-1/2-INCH NOMINAL WIDTH.
29. THERMAL CONSTRUCTION: HIGH-PERFORMANCE PLASTIC CONNECTORS SEPARATE ALUMINUM MEMBERS EXPOSED TO THE EXTERIOR FROM MEMBERS EXPOSED TO THE INTERIOR.
30. GLAZING STOPS AND GASKETS: BEVELED, SNAP-ON, EXTRUDED-ALUMINUM STOPS AND PREFORMED GASKETS. PROVIDE NONREMOVABLE GLAZING STOPS ON OUTSIDE OF DOOR.
31. DOOR FINISH: MATCH ADJACENT STOREFRONT FRAMING FINISH.
32. ENTRANCE DOOR HARDWARE SETS: PROVIDE QUANTITY, ITEM, SIZE, FINISH OR COLOR INDICATED, AND PRODUCTS EQUIVALENT IN FUNCTION AND COMPARABLE IN QUALITY TO NAMED PRODUCTS.
33. SEQUENCE OF OPERATION: PROVIDE ELECTRIFIED DOOR HARDWARE FUNCTION, SEQUENCE OF OPERATION, AND INTERFACE WITH OTHER BUILDING CONTROL SYSTEMS INDICATED.
34. OPENING-FORCE REQUIREMENTS: EGRESS DOORS: NOT MORE THAN 15 LBF TO RELEASE THE LATCH AND NOT MORE THAN 30 LBF TO SET THE DOOR IN MOTION.
35. CONTINUOUS-GEAR HINGES: BHMA A156.26.
36. NARROW-STILE AUXILIARY LOCKS: ANSI/BHMA A156.36, GRADE 1; WITH STRIKE THAT SUITS NARROW STILE FRAME.
37. ELECTROMAGNETIC LOCKS: ANSI/BHMA A156.23; ELECTRICALLY POWERED; WITH ELECTROMAGNET ATTACHED TO FRAME AND ARMATURE PLATE ATTACHED TO DOOR; FULL-EXTERIOR OR FULL-INTERIOR TYPE, AS REQUIRED BY APPLICATION INDICATED.
38. CYLINDERS: BHMA A156.5, GRADE 1. KEYING: MASTER KEY OR GRAND MASTER KEY LOCKS TO OWNER'S EXISTING SYSTEM.
39. STRIKES: PROVIDE STRIKE WITH BLACK-PLASTIC DUST BOX FOR EACH LATCH OR LOCK BOLT; FABRICATED FOR ALUMINUM FRAMING.
40. OPERATING TRIM: BHMA A156.6.
41. CLOSERS: BHMA A156.4, GRADE 1, WITH ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION, SIZED AS REQUIRED BY DOOR SIZE, EXPOSURE TO WEATHER, AND ANTICIPATED FREQUENCY OF USE; ADJUSTABLE TO COMPLY WITH FIELD CONDITIONS AND REQUIREMENTS FOR OPENING FORCE.
42. WEATHER STRIPPING: MANUFACTURER'S STANDARD REPLACEABLE COMPONENTS. COMPRESSION TYPE: MADE OF ASTM D2000 MOLDED NEOPRENE OR ASTM D2287 MOLDED PVC.
43. WEATHER SWEEPS: MANUFACTURER'S STANDARD EXTERIOR-DOOR BOTTOM SWEEP WITH CONCEALED FASTENERS ON MOUNTING STRIP.
44. THRESHOLDS: BHMA A156.21 RAISED THRESHOLDS BEVELED WITH A SLOPE OF NOT MORE THAN 1:2, WITH MAXIMUM HEIGHT OF 1/2 INCH.
45. SHEET AND PLATE: ASTM B209.
46. EXTRUDED BARS, RODS, PROFILES, AND TUBES: ASTM B221.
47. STRUCTURAL PROFILES: ASTM B308/B308M.
48. STEEL REINFORCEMENT: STRUCTURAL SHAPES, PLATES, AND BARS: ASTM A36/A36M. COLD-ROLLED SHEET AND STRIP: ASTM A1008/A1008M. HOT-ROLLED SHEET AND STRIP: ASTM A1011/A1011M.
49. MANUFACTURER'S STANDARD ZINC-RICH, CORROSION-RESISTANT PRIMER COMPLYING WITH SSPC-PS GUIDE NO. 12.00; APPLIED IMMEDIATELY AFTER SURFACE PREPARATION AND PRETREATMENT. SELECT SURFACE PREPARATION METHODS IN ACCORDANCE WITH RECOMMENDATIONS IN SSPC-SP COM, AND PREPARE SURFACES IN ACCORDANCE WITH APPLICABLE SSPC STANDARD.
50. MANUFACTURER'S STANDARD CORROSION-RESISTANT, NONSTAINING, NONBLEEDING FASTENERS AND ACCESSORIES COMPATIBLE WITH ADJACENT MATERIALS.USE SELF-LOCKING DEVICES WHERE FASTENERS ARE SUBJECT TO LOOSENING OR TURNING OUT FROM THERMAL AND STRUCTURAL MOVEMENTS, WIND LOADS, OR VIBRATION. REINFORCE MEMBERS AS REQUIRED TO RECEIVE FASTENER THREADS.

ALUMINUM-FRAMED ENTRANCES AND STOREFRONTS NOTES CONTINUED

51. PROVIDE THREE-WAY ADJUSTABLE ANCHORS WITH MINIMUM ADJUSTMENT OF 1 INCH THAT ACCOMMODATE FABRICATION AND INSTALLATION TOLERANCES IN MATERIAL AND FINISH COMPATIBLE WITH ADJOINING MATERIALS AND RECOMMENDED BY MANUFACTURER.
52. CONCEALED FLASHING: MANUFACTURER'S STANDARD CORROSION-RESISTANT, NONSTAINING, NONBLEEDING FLASHING COMPATIBLE WITH ADJACENT MATERIALS.
53. BITUMINOUS PAINT: COLD-APPLIED ASPHALT-MASTIC PAINT CONTAINING NO ASBESTOS, FORMULATED FOR 30-MIL THICKNESS PER COAT.
54. RIGID PVC FILLER.
55. FORM OR EXTRUDE ALUMINUM SHAPES BEFORE FINISHING.
56. FABRICATE COMPONENTS THAT, WHEN ASSEMBLED, HAVE THE FOLLOWING CHARACTERISTICS: PROFILES THAT ARE SHARP, STRAIGHT, AND FREE OF DEFECTS OR DEFORMATIONS, ACCURATELY FITTED JOINTS WITH ENDS COPED OR MITERED, PHYSICAL AND THERMAL ISOLATION OF GLAZING FROM FRAMING MEMBERS. ACCOMMODATIONS FOR THERMAL AND MECHANICAL MOVEMENTS OF GLAZING AND FRAMING TO MAINTAIN REQUIRED GLAZING EDGE CLEARANCES, PROVISIONS FOR FIELD REPLACEMENT OF GLAZING FROM EXTERIOR, FASTENERS, ANCHORS, AND CONNECTION DEVICES THAT ARE CONCEALED FROM VIEW TO GREATEST EXTENT POSSIBLE.
57. MECHANICALLY GLAZED FRAMING MEMBERS: FABRICATE FOR FLUSH GLAZING WITHOUT PROJECTING STOPS.
58. STOREFRONT FRAMING: FABRICATE COMPONENTS FOR ASSEMBLY USING HEAD-AND-SILL-RECEPTOR SYSTEM.
59. ENTRANCE DOOR FRAMES: REINFORCE AS REQUIRED TO SUPPORT LOADS IMPOSED BY DOOR OPERATION AND FOR INSTALLING ENTRANCE DOOR HARDWARE. AT EXTERIOR DOORS, PROVIDE COMPRESSION WEATHER STRIPPING AT FIXED STOPS.
60. ENTRANCE DOORS: REINFORCE DOORS AS REQUIRED FOR INSTALLING ENTRANCE DOOR HARDWARE. AT PAIRS OF EXTERIOR DOORS, PROVIDE SLIDING-TYPE WEATHER STRIPPING RETAINED IN ADJUSTABLE STRIP AND MORTISED INTO DOOR EDGE. AT EXTERIOR DOORS, PROVIDE WEATHER SWEEPS APPLIED TO DOOR BOTTOMS.
61. ENTRANCE DOOR HARDWARE INSTALLATION: FACTORY INSTALL ENTRANCE DOOR HARDWARE TO THE GREATEST EXTENT POSSIBLE. CUT, DRILL, AND TAP FOR FACTORY-INSTALLED ENTRANCE DOOR HARDWARE BEFORE APPLYING FINISHES. AFTER FABRICATION, CLEARLY MARK COMPONENTS TO IDENTIFY THEIR LOCATIONS IN PROJECT IN ACCORDANCE WITH SHOP DRAWINGS.
62. EXAMINE AREAS, WITH INSTALLER PRESENT, FOR COMPLIANCE WITH REQUIREMENTS FOR INSTALLATION TOLERANCES AND OTHER CONDITIONS AFFECTING PERFORMANCE OF THE WORK. PROCEED WITH INSTALLATION ONLY AFTER UNSATISFACTORY CONDITIONS HAVE BEEN CORRECTED.
63. COMPLY WITH MANUFACTURER'S WRITTEN INSTRUCTIONS FOR INSTALLATION.
64. DO NOT INSTALL DAMAGED COMPONENTS.
65. FIT JOINTS TO PRODUCE HAIRLINE JOINTS FREE OF BURRS AND DISTORTION. RIGIDLY SECURE NONMOVEMENT JOINTS.
66. INSTALL ANCHORS WITH SEPARATORS AND ISOLATORS TO PREVENT METAL CORROSION AND ELECTROLYTIC DETERIORATION AND TO PREVENT IMPEDING MOVEMENT OF MOVING JOINTS.
67. SEAL PERIMETER AND OTHER JOINTS WATERTIGHT UNLESS OTHERWISE INDICATED.
68. METAL PROTECTION: WHERE ALUMINUM IS IN CONTACT WITH DISSIMILAR METALS, PROTECT AGAINST GALVANIC ACTION BY PAINTING CONTACT SURFACES WITH MATERIALS RECOMMENDED BY MANUFACTURER FOR THIS PURPOSE OR BY INSTALLING NONCONDUCTIVE SPACERS. WHERE ALUMINUM IS IN CONTACT WITH CONCRETE OR MASONRY, PROTECT AGAINST CORROSION BY PAINTING CONTACT SURFACES WITH BITUMINOUS PAINT.
69. SET CONTINUOUS SILL MEMBERS AND FLASHING IN FULL SEALANT BED TO PRODUCE WEATHERTIGHT INSTALLATION.
70. INSTALL JOINT FILLER BEHIND SEALANT AS RECOMMENDED BY SEALANT MANUFACTURER.
71. INSTALL COMPONENTS PLUMB AND TRUE IN ALIGNMENT WITH ESTABLISHED LINES AND GRADES. INSTALL OPERABLE UNITS LEVEL AND PLUMB, SECURELY ANCHORED, AND WITHOUT DISTORTION. ADJUST WEATHER-STRIPPING CONTACT AND HARDWARE MOVEMENT TO PRODUCE PROPER OPERATION.
72. INSTALL ENTRANCE DOORS TO PRODUCE SMOOTH OPERATION AND TIGHT FIT AT CONTACT POINTS. INSTALL EXTERIOR DOORS TO PRODUCE WEATHERTIGHT ENCLOSURE AND TIGHT FIT AT WEATHER STRIPPING.
73. INSTALL ALUMINUM-FRAMED ENTRANCE AND STOREFRONT SYSTEMS TO COMPLY WITH THE FOLLOWING MAXIMUM TOLERANCES: PLUMB: 1/8 INCH IN 10 FEET; 1/4 INCH IN 40 FEET. LEVEL: 1/8 INCH IN 20 FEET; 1/4 INCH IN 40 FEET.
74. WHERE SURFACES ABUT IN LINE OR ARE SEPARATED BY REVEAL OR PROTRUDING ELEMENT UP TO 1/2 INCH WIDE, LIMIT OFFSET FROM TRUE ALIGNMENT TO 1/16 INCH. WHERE SURFACES ARE SEPARATED BY REVEAL OR PROTRUDING ELEMENT FROM 1/2 TO 1 INCH WIDE, LIMIT OFFSET FROM TRUE ALIGNMENT TO 1/8 INCH. WHERE SURFACES ARE SEPARATED BY REVEAL OR PROTRUDING ELEMENT OF 1 INCH WIDE OR MORE, LIMIT OFFSET FROM TRUE ALIGNMENT TO 1/4 INCH.
75. LIMIT VARIATION FROM PLANE TO 1/8 INCH IN 12 FEET; 1/2 INCH OVER TOTAL LENGTH.

SWINGING AUTOMATIC ENTRANCES NOTES:

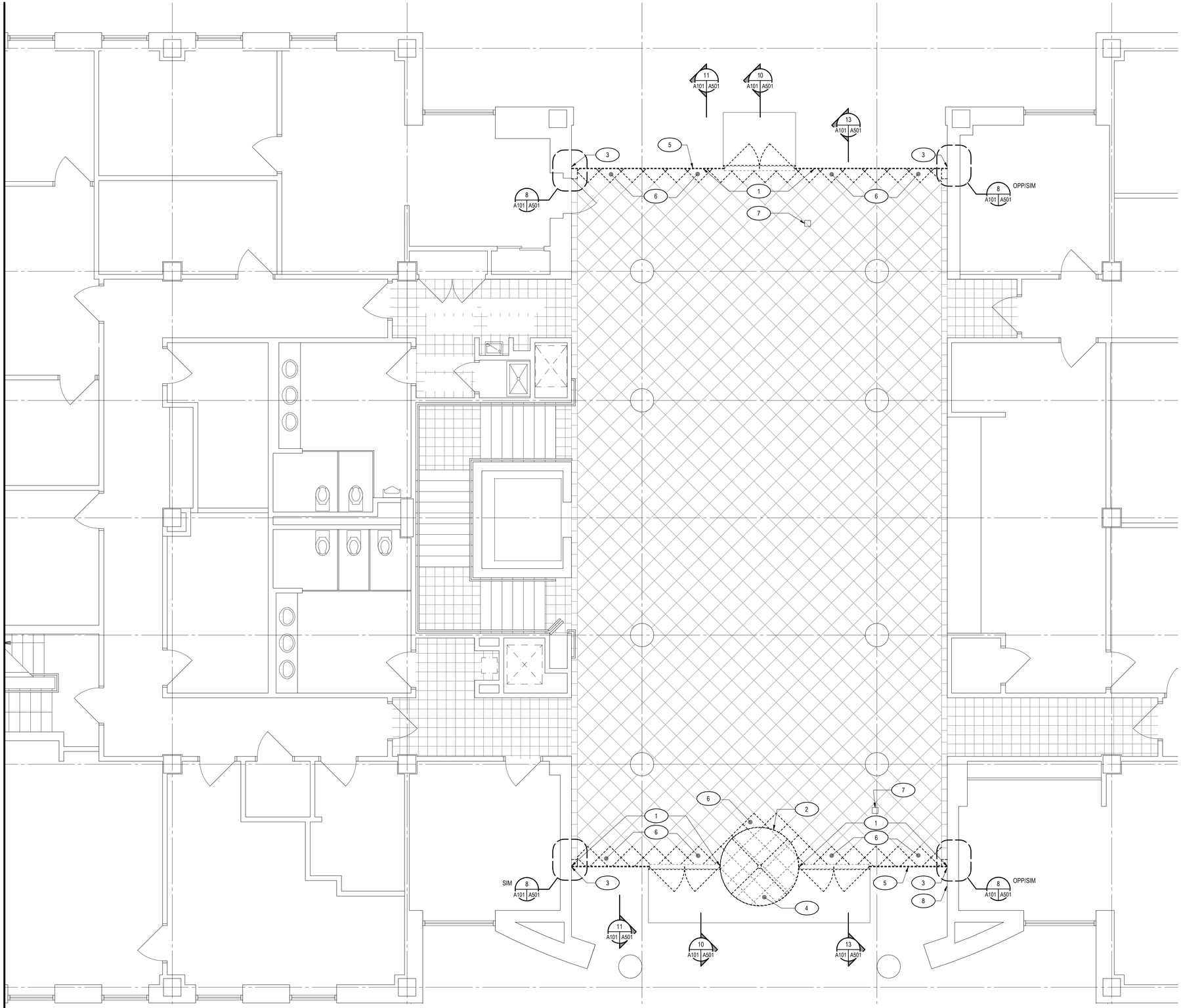
1. POWER-ASSIST AND LOW-ENERGY DOOR STANDARD: BHMA A156.19.
2. WARRANTY: MANUFACTURER AGREES TO REPAIR OR REPLACE COMPONENTS OF AUTOMATIC ENTRANCES THAT FAIL IN MATERIALS OR WORKMANSHIP WITHIN SPECIFIED WARRANTY PERIOD. FAILURES INCLUDE, BUT ARE NOT LIMITED TO, THE FOLLOWING: STRUCTURAL FAILURES INCLUDING, BUT NOT LIMITED TO, EXCESSIVE DEFLECTION, FAULTY OPERATION OF OPERATORS, CONTROLS, AND HARDWARE, DETERIORATION OF METALS, METAL FINISHES, AND OTHER MATERIALS BEYOND NORMAL WEATHERING AND USE.
3. OPENING FORCE: NOT MORE THAN 15 LBF REQUIRED TO RELEASE A LATCH IF PROVIDED, NOT MORE THAN 30 LBF REQUIRED TO MANUALLY SET DOOR IN MOTION, AND NOT MORE THAN 15 LBF REQUIRED TO FULLY OPEN DOOR IF POWER FAILS.
4. ENTRAPMENT-PREVENTION FORCE: NOT MORE THAN 15 LBF REQUIRED TO PREVENT STOPPED DOOR FROM CLOSING OR OPENING.
5. PROVIDE MANUFACTURER'S STANDARD SWINGING, POWER-ASSIST AND LOW-ENERGY, POWER-OPERATED AUTOMATIC ENTRANCES, INCLUDING DOORS, FRAMING, HEADERS, DOOR OPERATORS, CONTROLS, AND ACCESSORIES REQUIRED FOR A COMPLETE INSTALLATION.
6. OPERATION: LOW-ENERGY, POWER OPERATED.
7. CONFIGURATION, PAIR: PAIR OF SWINGING DOORS WITH TRANSOM.
8. TRAFFIC PATTERN: TWO WAY.
9. OPERATOR FEATURES: POWER OPENING AND POWER-ASSIST SPRING CLOSING. ADJUSTABLE OPENING AND CLOSING SPEEDS. ADJUSTABLE HOLD-OPEN TIME BETWEEN ZERO AND 30 SECONDS. ADJUSTABLE BACKCHECK AND LATCHING. OBSTRUCTION RECYCLE. AUTOMATIC DOOR RE-OPEN IF STOPPED WHILE CLOSING. ON-OFF/HOLD-OPEN SWITCH TO CONTROL ELECTRIC POWER TO OPERATOR, KEY OPERATED.
10. PROVIDE SIGNAGE AS REQUIRED BY CITED BHMA STANDARD. PROVIDE SIGN MATERIALS WITH INSTRUCTIONS FOR FIELD APPLICATION AFTER GLAZING IS INSTALLED. APPLY SIGNAGE ON BOTH SIDES OF EACH DOOR, AS REQUIRED BY CITED BHMA STANDARD FOR DIRECTION OF PEDESTRIAN TRAVEL.

SWINGING AUTOMATIC ENTRANCES NOTES CONTINUED

11. PROVIDE OPERATORS AND CONTROLS, WHICH INCLUDE ACTIVATION AND SAFETY DEVICES, IN ACCORDANCE WITH BHMA STANDARDS, FOR CONDITION OF EXPOSURE, AND FOR LONG-TERM, MAINTENANCE-FREE OPERATION UNDER NORMAL TRAFFIC LOAD FOR TYPE OF OCCUPANCY INDICATED.
12. PROVIDE DOOR OPERATORS OF SIZE RECOMMENDED BY MANUFACTURER FOR DOOR SIZE, WEIGHT, AND MOVEMENT.
13. DOOR OPERATOR PERFORMANCE: DOOR OPERATORS OPEN AND CLOSE DOORS AND MAINTAIN THEM IN FULLY CLOSED POSITION WHEN SUBJECTED TO PROJECT'S DESIGN WIND LOADS.
14. ELECTROMECHANICAL OPERATORS: CONCEALED, SELF-CONTAINED, OVERHEAD UNITS POWERED BY FRACTIONAL-HORSEPOWER, PERMANENT-MAGNET DC MOTOR; WITH CLOSING SPEED CONTROLLED MECHANICALLY BY GEAR TRAIN AND DYNAMICALLY BY BRAKING ACTION OF ELECTRIC MOTOR; WITH SOLID-STATE MICROPROCESSOR CONTROLLER; COMPLYING WITH UL 325; AND WITH MANUAL OPERATION WITH POWER OFF.
15. WIRING WITHIN AUTOMATIC ENTRANCE ENCLOSURES: BUNDLE, LACE, AND TRAIN CONDUCTORS TO TERMINAL POINTS WITH NO EXCESS AND WITHOUT EXCEEDING MANUFACTURER'S WRITTEN LIMITATIONS ON BENDING RADII. PROVIDE AND USE LACING BARS AND DISTRIBUTION SPOOLS.
16. ADJUST HARDWARE, MOVING PARTS, DOOR OPERATORS, AND CONTROLS TO FUNCTION SMOOTHLY, AND LUBRICATE AS RECOMMENDED BY MANUFACTURER; COMPLY WITH REQUIREMENTS OF APPLICABLE BHMA STANDARDS. ADJUST EXTERIOR DOORS FOR TIGHT CLOSURE.
17. READJUST DOOR OPERATORS AND CONTROLS AFTER REPEATED OPERATION OF COMPLETED INSTALLATION EQUIVALENT TO THREE DAYS' USE BY NORMAL TRAFFIC (100 TO 300 CYCLES).
18. OCCUPANCY ADJUSTMENTS: WHEN REQUESTED WITHIN 12 MONTHS OF DATE OF SUBSTANTIAL COMPLETION, PROVIDE ON-SITE ASSISTANCE IN ADJUSTING SYSTEM TO SUIT ACTUAL OCCUPIED CONDITIONS. PROVIDE UP TO TWO VISITS TO PROJECT DURING OTHER-THAN-NORMAL OCCUPANCY HOURS FOR THIS PURPOSE.

GLAZING NOTES:

1. COMPLY WITH PUBLISHED RECOMMENDATIONS OF GLASS PRODUCT MANUFACTURERS AND ORGANIZATIONS BELOW UNLESS MORE STRINGENT REQUIREMENTS ARE INDICATED. SEE THESE PUBLICATIONS FOR GLAZING TERMS NOT OTHERWISE DEFINED IN THIS SECTION OR IN REFERENCED STANDARDS.
2. MANUFACTURER'S SPECIAL WARRANTY FOR INSULATING GLASS: MANUFACTURER AGREES TO REPLACE INSULATING-GLASS UNITS THAT DETERIORATE WITHIN SPECIFIED WARRANTY PERIOD. DETERIORATION OF INSULATING GLASS IS DEFINED AS FAILURE OF HERMETIC SEAL UNDER NORMAL USE THAT IS NOT ATTRIBUTED TO GLASS BREAKAGE OR TO MAINTAINING AND CLEANING INSULATING GLASS CONTRARY TO MANUFACTURER'S WRITTEN INSTRUCTIONS. EVIDENCE OF FAILURE IS OBSTRUCTION OF VISION BY DUST, MOISTURE, OR FILM ON INTERIOR SURFACES OF GLASS. WARRANTY PERIOD: 10 YEARS FROM DATE OF SUBSTANTIAL COMPLETION.
3. INSTALLED GLAZING SYSTEMS SHALL WITHSTAND NORMAL THERMAL MOVEMENT AND WIND AND IMPACT LOADS (WHERE APPLICABLE) WITHOUT FAILURE, INCLUDING LOSS OR GLASS BREAKAGE ATTRIBUTABLE TO DEFECTIVE MANUFACTURE, FABRICATION, OR INSTALLATION; FAILURE OF SEALANTS OR GASKETS TO REMAIN WATERTIGHT AND AIRTIGHT; DETERIORATION OF GLAZING MATERIALS; OR OTHER DEFECTS IN CONSTRUCTION.
4. WHERE SAFETY GLAZING IS INDICATED, PERMANENTLY MARK GLAZING WITH CERTIFICATION LABEL OF THE SGCC. LABEL SHALL INDICATE MANUFACTURER'S NAME, TYPE OF GLASS, THICKNESS, AND SAFETY GLAZING STANDARD WITH WHICH GLASS COMPLIES.
5. PERMANENTLY MARKED EITHER ON SPACERS OR ON AT LEAST ONE COMPONENT LITE OF UNITS WITH APPROPRIATE CERTIFICATION LABEL OF THE IGCC.
6. PROVIDE GLAZING THAT COMPLI



GENERAL DEMOLITION NOTES

1. THIS PLAN IS NOT A COMPLETE REPRESENTATION OF ALL THE EXISTING CONDITIONS. THIS PLAN IS SCHEMATIC IN NATURE AND INTENDS TO SHOW THE GENERAL EXTENT AND LAYOUT OF THE EXISTING FACILITY.
2. REMOVE EXISTING CONSTRUCTION CLEANLY AND LEAVE EXISTING CONSTRUCTION TO REMAIN READY TO RECEIVE NEW WORK.
3. REMOVE EXISTING CONSTRUCTION, INCLUDING MECHANICAL, PLUMBING, ELECTRICAL WORK ETC., AS NECESSARY AND WHEREEVER NECESSARY TO PROVIDE WORK IN ACCORDANCE WITH THE CONTRACT DOCUMENTS.

LEGEND:

- PARTITION / CONSTRUCTION TO REMAIN
- DOOR AND FRAME TO REMAIN
- REMOVE PARTITION / CONSTRUCTION
- REMOVE DOOR AND FRAME
- REMOVE PARTITION, DOOR AND FRAME

NEW WORK KEY NOTES

1. REMOVE STOREFRONT SYSTEM, INCLUDING BUT NOT LIMITED TO MULLIONS, RECESSED CHANNELS, GLAZING, DOORS, DOOR HARDWARE, VERTICAL GLASS FIN SUPPORTS AND ASSOCIATED ITEMS.
2. REMOVE REVOLVING DOOR, RECESSED CHANNELS, DOOR HARDWARE AND ASSOCIATED ITEMS
3. REMOVE EXTERIOR PLASTER AS REQUIRED TO ACCESS RECESSED METAL CHANNEL
4. REMOVE TILE SET WITHIN THE REVOLVING DOOR FRAME
5. REMOVE AND SALVAGE SIGNAGE ADHERED TO GLAZING. DOCUMENT LOCATION WHERE SIGNAGE WAS REMOVED.
6. REMOVE (1) ROW OF TILE, SAWCUT JOINT
7. EXISTING BOLLARD WITH REQUEST TO EXIT BUTTON TO REMAIN, PROTECT IN PLACE DURING CONSTRUCTION
8. EXISTING CARD READER TO REMAIN, PROTECT IN PLACE DURING CONSTRUCTION

GAUTHIER
ALVARADO
ASSOCIATES

703-241-2202
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PROJECT TITLE

TOWN OF HERNDON

HERNDON, VA

MUNICIPAL CENTER - STOREFRONT REPLACEMENT

REVISIONS

NO.	DATE	DESCRIPTION

GAA PROJECT NO.	785 E4
DRAWN BY	AAW
CHECKED BY	KS
DATE	APRIL 10, 2025

DRAWING TITLE

ARCHITECTURAL
DEMOLITION FLOOR PLAN

PROJECT STATUS

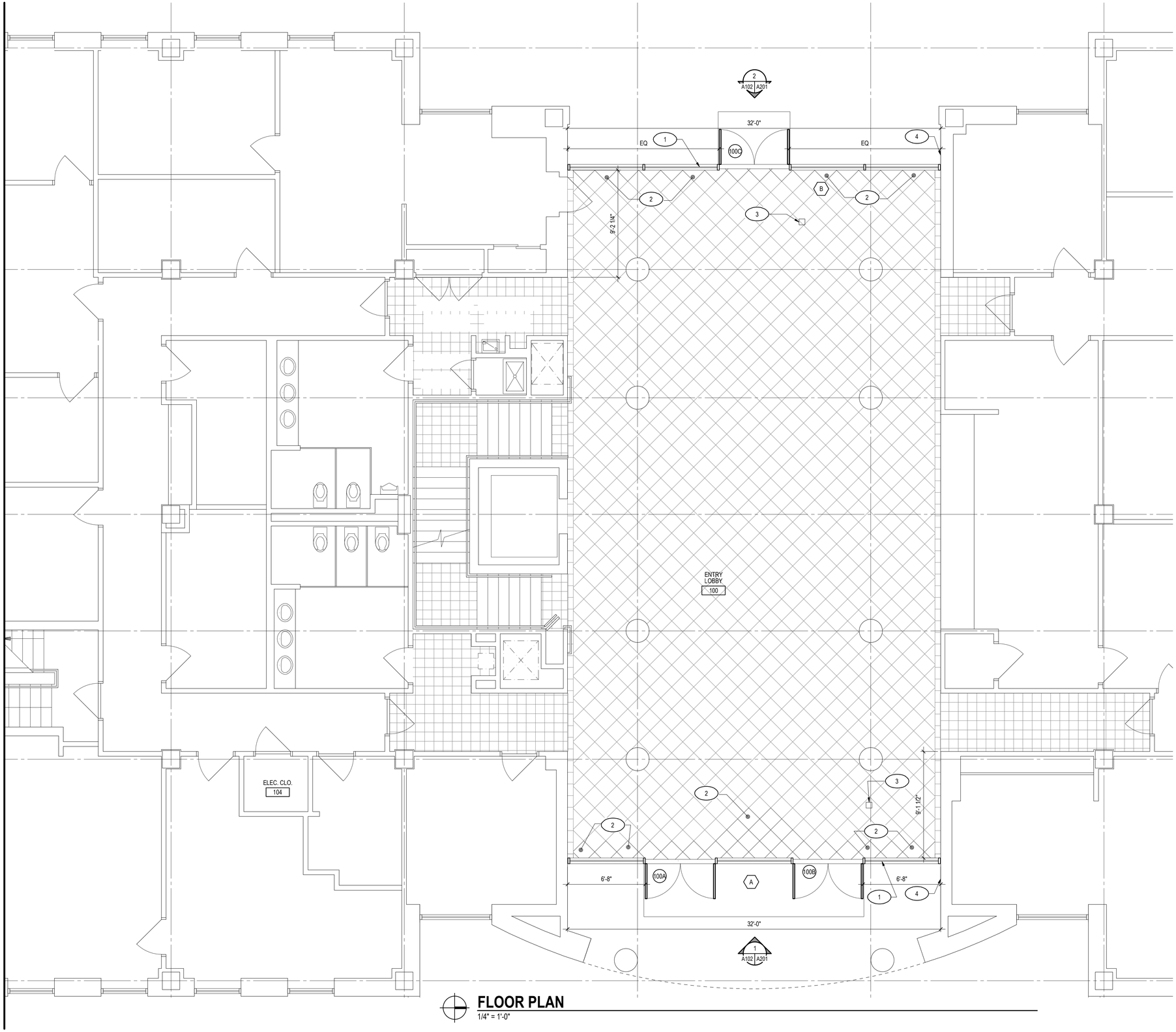
50% SET

DRAWING NUMBER

A101

DATE 03/26/25
TIME 08:40

785\04-ARCH
FILE
SCALE 1/8" = 1'-0"



FLOOR PLAN
1/4" = 1'-0"

1/4" = 1'-0"
5' 3' 1' 0 5'

GENERAL PLAN NOTES

1. REFER TO A501 FOR STOREFRONT TYPES

LEGEND:

- LOBBY / 101 — ROOM DESIGNATION / ROOM NUMBER
- 1 — DOOR WITH DOOR NUMBER
- 1 — PARTITION TYPE
- 1 — KEY NOTE NUMBER
- T-1 — FLOOR TRANSITION DESIGNATION
- 4 / 1 / 3 / 2 / A401 — WALL ELEVATION NUMBER / SHEET WHERE DRAWN (IF NOT THE SAME)

NEW WORK KEY NOTES

1. REINSTALL SALVAGED SIGNAGE IN THE SAME LOCATION WHERE IT WAS REMOVED
2. INSTALL TILE, FINISH TO MATCH EXISTING. TOOTH TILE INTO EXISTING JOINT PATTERN.
3. EXISTING BOLLARD WITH REQUEST TO EXIT BUTTON TO REMAIN, PROTECT IN PLACE DURING CONSTRUCTION
4. EXISTING CARD READER TO REMAIN, PROTECT IN PLACE DURING CONSTRUCTION

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ASSOCIATES

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PROJECT TITLE

TOWN OF HERNDON

HERNDON, VA

MUNICIPAL CENTER - STOREFRONT REPLACEMENT

REVISIONS

NO.	DATE	DESCRIPTION

GAA PROJECT NO.	785 E4
DRAWN BY	AAW
CHECKED BY	KS
DATE	FEBRUARY 28, 2025

DRAWING TITLE

ARCHITECTURAL
FLOOR PLAN

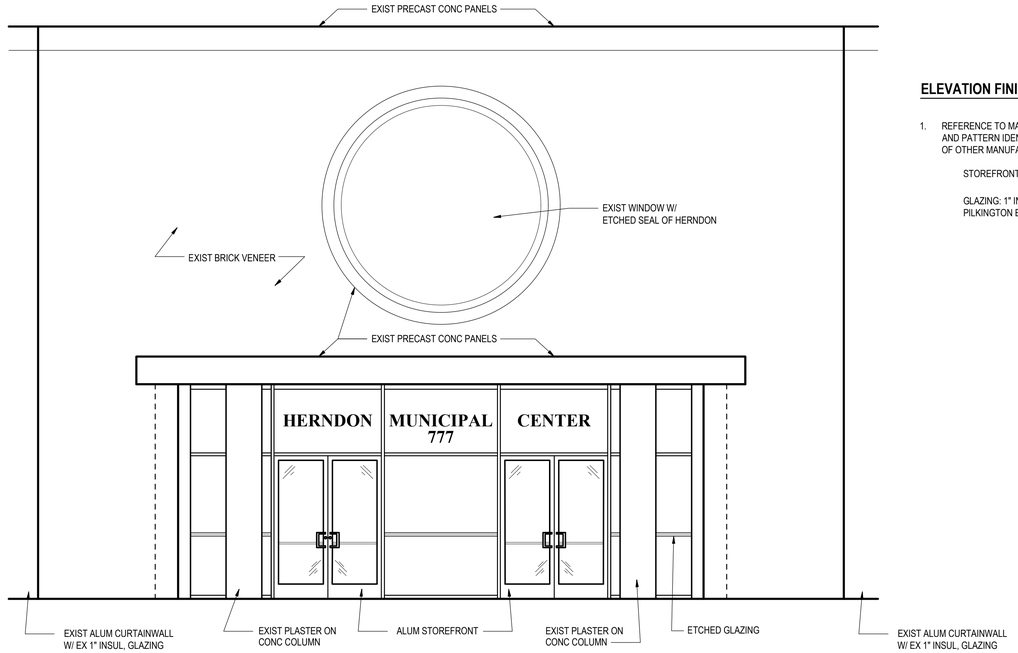
PROJECT STATUS

50% SET

DRAWING NUMBER

A102

PLOT DATE: 12/9/2025
PLOT TIME: 12:49:35
PLOTTED BY: 785A4.MBP
PLOT SCALE: 1:1
GAA



ELEVATION FINISH NOTES

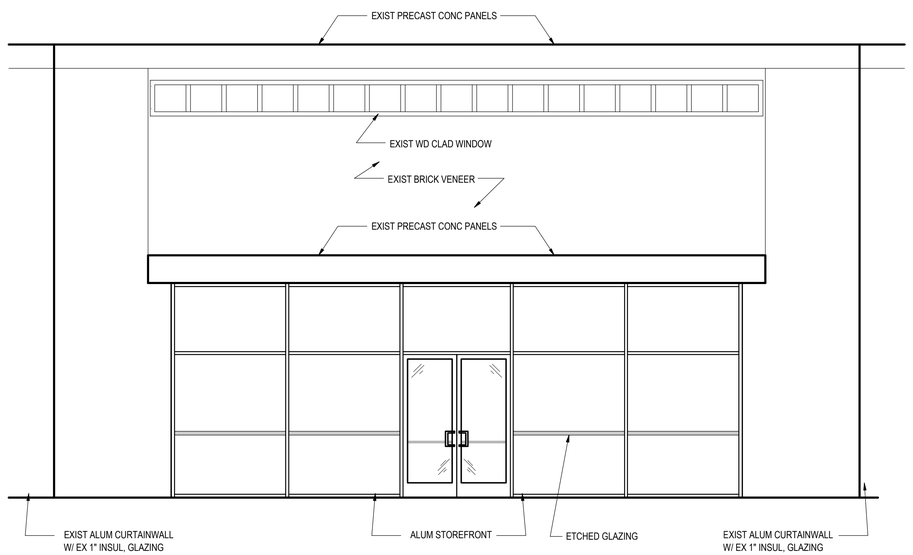
1. REFERENCE TO MANUFACTURER'S NAME AND DESIGNATIONS ARE FOR COLOR AND PATTERN IDENTIFICATION ONLY AND ARE NOT INTENDED TO LIMIT SELECTION OF OTHER MANUFACTURER'S PRODUCTS.

   STOREFRONT FRAMING: CLEAR ANODIZED

   GLAZING: 1" INSULATING GLASS UNIT, 2 LOW-IRON CLEAR GLASS LITES WITH PILKINGTON ENERGY ADVANTAGE ON #2 AND #4 SURFACES

1 A102 | A201 PARTIAL EAST ELEVATION

1/4" = 1'-0"



2 A102 | A201 PARTIAL WEST ELEVATION

1/4" = 1'-0"

1/4" = 1'-0"
5' 3' 1' 0 5'

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PROJECT TITLE

TOWN OF HERNDON

HERNDON, VA

MUNICIPAL CENTER - STOREFRONT REPLACEMENT

REVISIONS

NO.	DATE	DESCRIPTION

GAA PROJECT NO.	785 E4
DRAWN BY	AAW
CHECKED BY	KS
DATE	FEBRUARY 28, 2025

DRAWING TITLE

ARCHITECTURAL

EXTERIOR ELEVATIONS

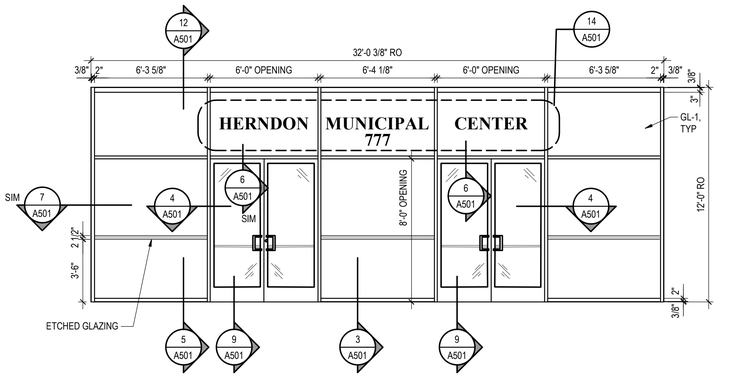
PROJECT STATUS

50% SET

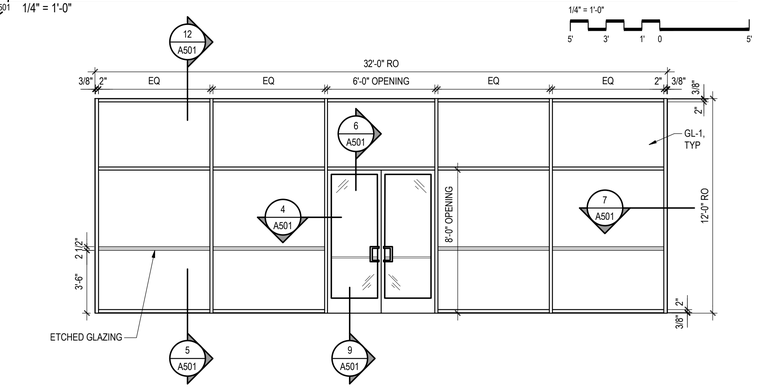
DRAWING NUMBER

A201

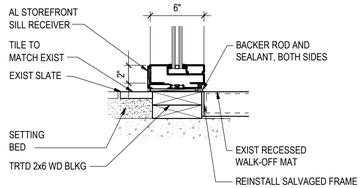
GAA E.E. DATE 02/28/25
SCALE 1/4" = 1'-0" TIME 10:49:23
PLOT SCALE 1:1 PLOT MODE 1:1 PLOT BY



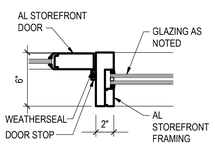
1 A102 | A501 **STOREFRONT ELEVATION - TYPE A**
1/4" = 1'-0"



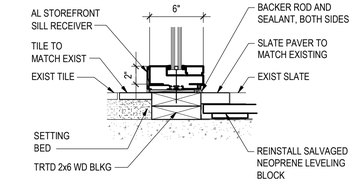
2 A102 | A501 **STOREFRONT ELEVATION - TYPE B**
1/4" = 1'-0"



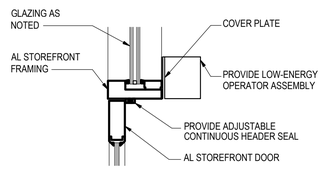
3 A501 | A501 **SF SILL DETAIL AT WALK-OFF MAT**
1-1/2" = 1'-0"



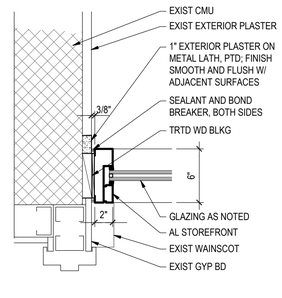
4 A501 | A501 **SF DOOR JAMB DETAIL**
1-1/2" = 1'-0"



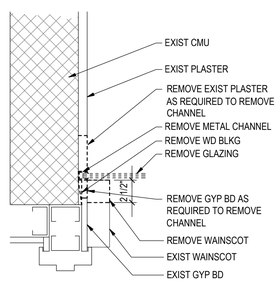
5 A501 | A501 **SF SILL DETAIL**
1-1/2" = 1'-0"



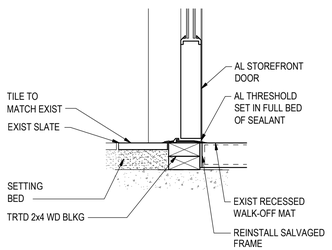
6 A501 | A501 **SF DOOR HEAD DETAIL**
1-1/2" = 1'-0"



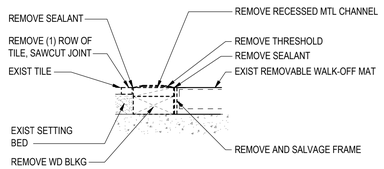
7 A501 | A501 **SF JAMB DETAIL**
1-1/2" = 1'-0"



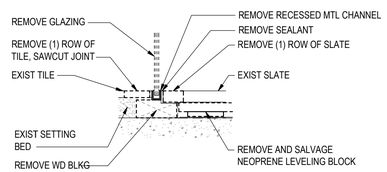
8 A101 | A501 **DEMO SF JAMB DETAIL**
1-1/2" = 1'-0"



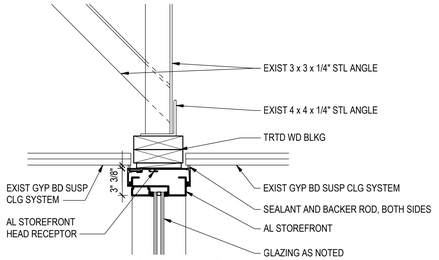
9 A501 | A501 **SF DR THRESHOLD DETAIL**
1-1/2" = 1'-0"



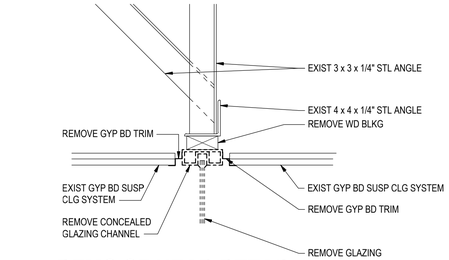
10 A101 | A501 **DEMO SF SILL DET AT WALK-OFF MAT**
1-1/2" = 1'-0"



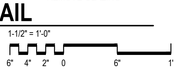
11 A101 | A501 **DEMO SF SILL DETAIL**
1-1/2" = 1'-0"

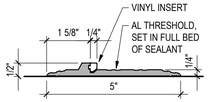


12 A501 | A501 **SF HEAD DETAIL**
1-1/2" = 1'-0"



13 A101 | A501 **DEMO SF HEAD DETAIL**
1-1/2" = 1'-0"





1 **THRESHOLD DETAILS**
15 A501 NOT TO SCALE

FILE NAME: AH01-D

DOOR SCHEDULE

NO	SIZE	DOOR TYPE	DOOR MATL	FRAME MATL	JAMB DET	HEAD DET	LABEL	HDW SET NO	THR DET	LOUVER	REMARKS
100A	PAIR 3'-0 X 8'-0"	A	AL/GL	AL	4/A501	6/A501	-	01	1	-	2
100B	PAIR 3'-0 X 8'-0"	A	AL/GL	AL	4/A501	6/A501	-	02	1	-	2
100C	PAIR 3'-0 X 8'-0"	A	AL/GL	AL	4/A501	6/A501	-	02	1	-	2

EXTERIOR

HARDWARE SET 01 - PAIR

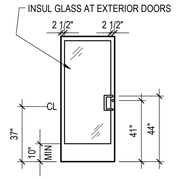
2	CONTINUOUS GEARED HINGES	KAWNEER	#17 CLEAR ANODIZED
2	PULLS	KAWNEER C09	#14 CLEAR ANODIZED
2	PUSH	KAWNEER C11	#14 CLEAR ANODIZED
1	KEYED CYLINDER		
1	DEADBOLT	ADAMS RITE MS-1850	628 CLEAR ANODIZED
2	LOW ENERGY OPERATORS	NORTON 6300	689
2	WEATHERSTRIPPING		
2	DOOR SWEEP		
1	THRESHOLD	KAWNEER	#14 CLEAR ANODIZED

HARDWARE SET 02 - PAIR, ACCESS CONTROL

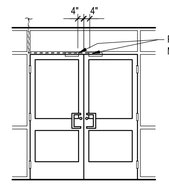
2	CONTINUOUS GEARED HINGES	KAWNEER	#17 CLEAR ANODIZED
2	PULLS	KAWNEER C09	#14 CLEAR ANODIZED
2	PUSH	KAWNEER C11	#14 CLEAR ANODIZED
1	KEYED CYLINDER		
2	LOW ENERGY OPERATORS	NORTON 6300	689
2	WEATHERSTRIPPING		
2	DOOR SWEEP		
1	THRESHOLD	KAWNEER	#14 CLEAR ANODIZED
2	MAGLOCKS		
1	REQUEST TO EXIT PUSH BUTTON	EXISTING TO REMAIN	EXIST
1	CARD READER	EXISTING TO REMAIN	EXIST

DOOR SCHEDULE NOTES

1. ALL DOORS ARE 2-1/4" THICK UNLESS OTHERWISE NOTED.
2. WHERE INDICATED PROVIDE LOW-ENERGY POWER DOOR OPERATOR.



A **DOOR TYPES**
1/4" = 1'-0"

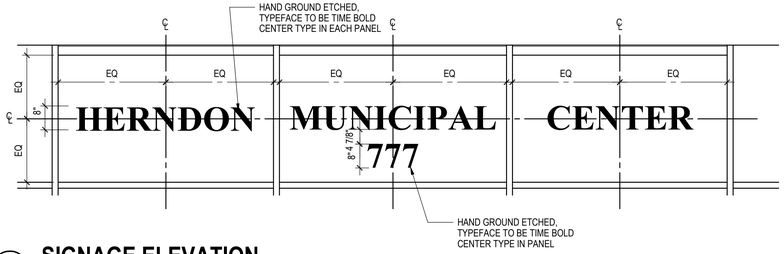


NOTES:

1. RUN CONDUIT CONCEALED IN WALL AND/OR FRAME.

STOREFRONT FRAME

ACCESS CONTROL MOUNTING DETAILS
1/4" = 1'-0"



14 A501 | A501 **SIGNAGE ELEVATION**
1/2" = 1'-0"

GAUTHIER ALVARADO ASSOCIATES

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PROJECT TITLE

TOWN OF HERNDON

HERNDON, VA

MUNICIPAL CENTER - STOREFRONT REPLACEMENT

REVISIONS

NO.	DATE	DESCRIPTION

GAA PROJECT NO.	785 E4
DRAWN BY	AAW
CHECKED BY	KS
DATE	APRIL 10, 2025

DRAWING TITLE

ARCHITECTURAL

DOOR SCHEDULE AND DETAILS

PROJECT STATUS

50% SET

DRAWING NUMBER

A501

PLOT DATE: 04/09/25
PLOTTED BY: MARK MAY
PLOT SCALE: 1:1

East Elevation - Exterior Storefront System and Details, May 2025

East Elevation - Interior Storefront System and Details, May 2025

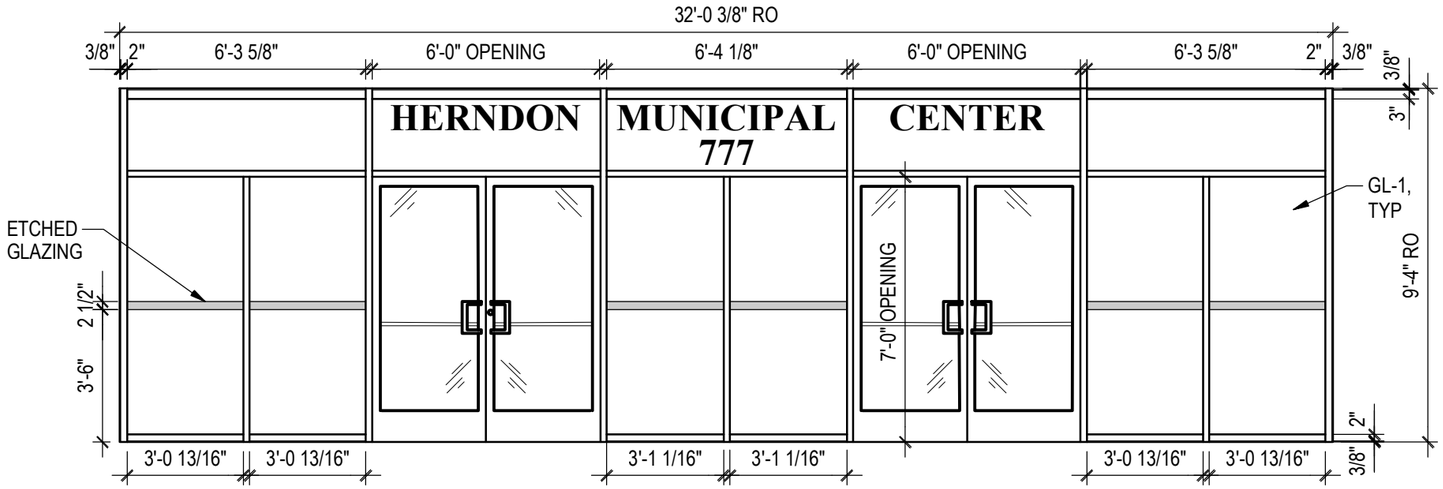
West Elevation - Exterior Storefront System and Details, May 2025

West Elevation - Interior Storefront System and Details, May 2025

East Elevation - Simulation of framing system in black anodized finish

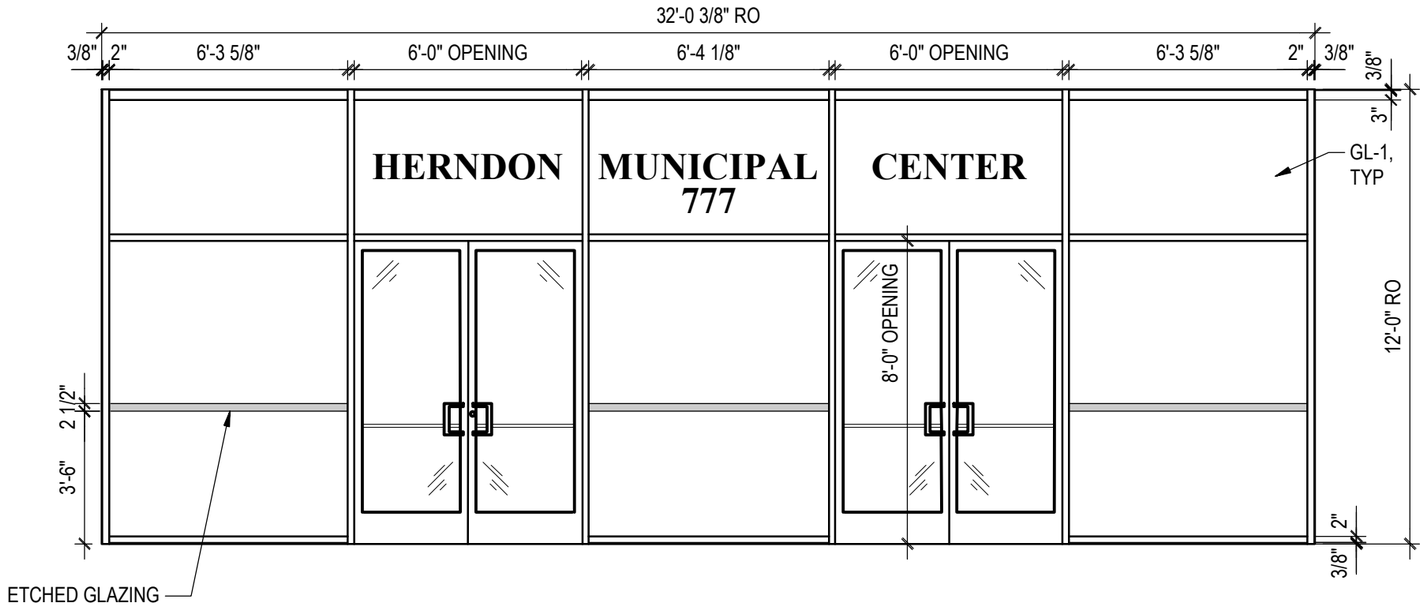
East Elevation - Simulation of framing system in off-white powder coated finish

East Elevation - Simulation of framing system in clear (aluminum/silver) anodized finish



STOREFRONT ELEVATION - 2" x 4-1/2" FRAMING

1/4" = 1'-0"



STOREFRONT ELEVATION - 2" x 6" FRAMING

1/4" = 1'-0"

1/4" = 1'-0"

5' 3' 1' 0 5'

GAUTHIER ALVARADO ASSOCIATES

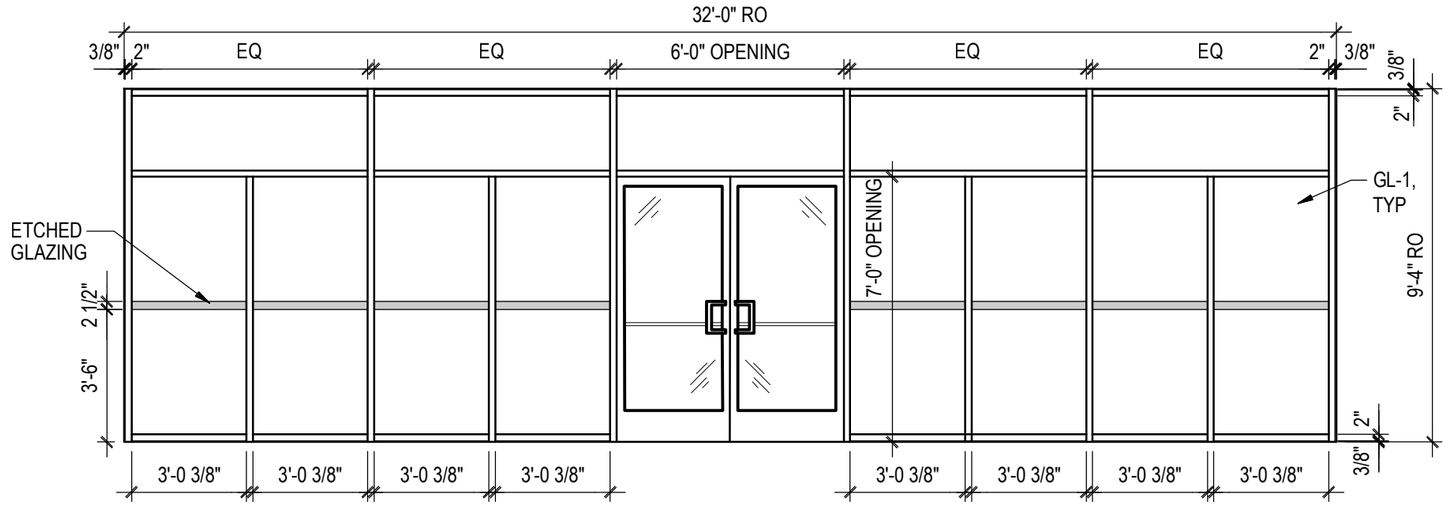
ARCHITECTURE | ENGINEERING | PLANNING

10201 FAIRFAX BOULEVARD, SUITE 225, FAIRFAX, VIRGINIA 22030

703-241-2202 WWW.GAA-AE.COM

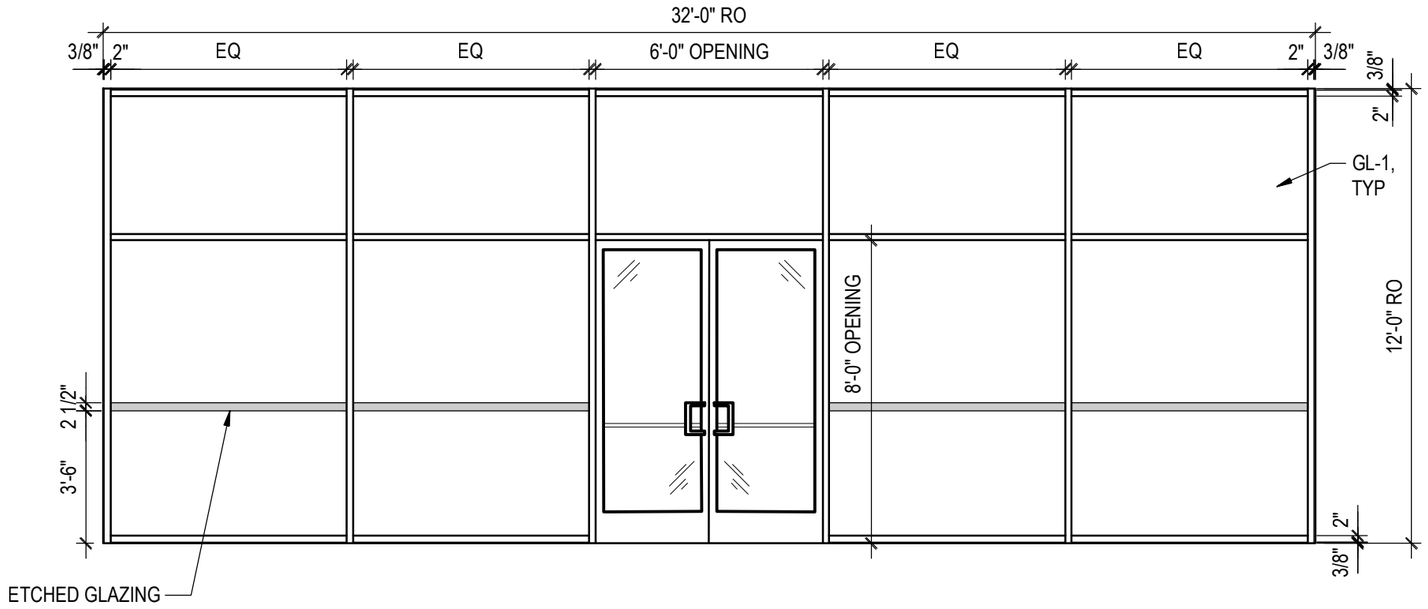
Sketch Title	STOREFRONT FRAMING ELEVATIONS
Project	HERNDON MUNCIPAL CENTER

Date: 6-11-25	Scale: 1/4" = 1'-0"
Project No.: 785E4	Sketch No.: 01



STOREFRONT ELEVATION - TYPE 2" x 4-1/2" FRAMING

1/4" = 1'-0"



STOREFRONT ELEVATION - 2" x 6" FRAMING

1/4" = 1'-0"

1/4" = 1'-0"

5' 3' 1' 0 5'

GAUTHIER ALVARADO ASSOCIATES

ARCHITECTURE | ENGINEERING | PLANNING

10201 FAIRFAX BOULEVARD, SUITE 225, FAIRFAX, VIRGINIA 22030

703-241-2202 WWW.GAA-AE.COM

Sketch Title: **STOREFRONT FRAMING ELEVATIONS**

Project: **HERNDON MUNCIPAL CENTER**

Date	Scale
6-11-25	1/4" = 1'-0"
Project No.	Sketch No.
785E4	**02**

HIGH-PERFORMING PAINTS THAT LET YOU DESIGN IN VIBRANT LIVING COLOR

PERMAFLUOR™ ARCHITECTURAL FINISHES

ANTIQUE BRONZE - UC100027

BLACK - UC109846

BLACK MAGIC - UC135973

BONE WHITE - UC109880

BRIGHT WHITE - UC55026

CHARCOAL - UC109852

CLASSIC BRONZE - UC109850

DOVE GRAY - UC109848

MEDIUM BRONZE - UC109862

SANDSTONE - UC109856

SERENGETI GRASS - UC139981

ZINC GRAY - UC127266

HARTFORD GREEN - UC109881

There's a painted finish as expressive and enduring as the buildings you design. Permafluor™ Architectural Coatings combine beauty and successful performance as only a 70% fluoropolymer-based coating can.

Permafluor™ colors add life to your architectural expressions. Thirteen standard colors and a limitless pallet of custom colors can satisfy your creative needs. The standard colors are always in stock at Kawneer paint facilities for fast turnaround while the Permafluor™ custom colors can be formulated to meet your needs.

This is a paint that endures along with your architectural statement. Permafluor™ is formulated to maintain integrity for years. Outstanding durability translates to substantial maintenance savings over the life of the building.

Thousands of buildings throughout the world are a testament to the lasting beauty and performance of Kawneer standard Permafluor™ Architectural Coatings.

KAWNEER #22 STOCK PERMAFLUOR™ ARCHITECTURAL COATINGS

The 13 standard Permafluor™ colors shown on this chart are Kawneer #22 stock coatings. They are stocked at Kawneer paint facilities for fast turnaround of painted projects.

The following specifications are required for the proper application and end-use results of Permafluor™. Performance properties represent minimum results when Permafluor™ is applied according to specifications.

SPECIFICATIONS THAT MEET AAMA 2605 REQUIREMENTS

Permafluor™ coating will meet or exceed test requirements of AAMA 2605, Voluntary Specification, Performance Requirements and Test Procedures for Superior Performing Organic Coatings on Aluminum Extrusions and Panels.

The following are guidelines for specifying and applying Permafluor™ coatings:

Pretreatment – The aluminum shall be thoroughly cleaned using a multi-stage cleaning process to remove organic and inorganic surface soils and residual oxides. Apply a chemical conversion coating to which organic coatings will firmly adhere.

Primer – The cleaned and treated substrate shall be primed to a thickness of 0.2 – 0.3 mils using approved factory application methods.

Paint – The Permafluor™ paint system shall contain 70% PVDF (Hylar 5000® or Kynar 500®) resin and durable ceramic pigments. It shall be factory applied and oven baked for a topcoat film thickness of 1.0 mil minimum. Clear topcoat, if required, shall be applied at 0.4 – 0.8 mils.

PERFORMANCE TABLE

Criteria	Performance
AAMA 2605	Meets or exceeds
Substrate	Aluminum only
Pretreatment	Multi-stage cleaning and conversion coating
Dry Film Thickness (ASTM D7091)	1.2 mils
Specular Gloss (ASTM D523)	Low and medium
Dry Film Hardness (ASTM D3363)	F min.
Impact Resistance	1/10" deformation No loss of adhesion
Abrasion Resistance (ASTM D968)	Coefficient of 40 minimum
Salt Spray (ASTM G85 Annex A5)	Hours: 2,000 Scribe or cut edges: Rating 7 Field: Rating 8
Humidity Resistance(ASTM D2247 or ASTM D4585)	Hours: 4,000 Few No. 8 blisters max.
10 Years South Florida	Color change: 5ΔE (Hunter) units max. Chalk resistance: Rating 8 max.
10% Muriatic Acid Spot Test	15 min. No blistering or visual change
Mortar (Alkali) Resistance	24-hour spot test, no visual change
72-Hour Detergent Immersion (@ 100°F)	No loss of adhesion
Boiling Water Adhesion	No removal of film after 20 min. exposure

Hylar 5000® is a registered trademark of Solvay Solexis, Inc., Kynar 500® is a registered trademark of Arkema Inc.

Note: These color samples are as close as possible to actual colors offered within the limitations of printing techniques. Final color specification will be as per approved color samples. Permafluor™ finishes are formulated for Kawneer Company, Inc.

Permafluor™ : Form Number 14-2195.C

Technology Park/Atlanta
555 Guthridge Court
Norcross, GA 30092

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www.kawneer.com

Building Legacies

KAWNEER

VERSATILITY, ULTRA-THERMAL PERFORMANCE AND MORE DESIGN POSSIBILITIES FRONT AND CENTER

TRIFAB® VERSAGLAZE® 601/601T/601UT FRAMING SYSTEM

Kawneer's Trifab® VersaGlaze® 601/601T/601UT Framing System touts the first front set, ultra-thermal 6" storefront system available. By expanding on a proven platform, Trifab® VersaGlaze® 601 offers a choice of front and center plane glass applications in non-thermal, thermal and ultra-thermal configurations. Structural silicone glazing (SSG) options allow for an even greater range of design possibilities for specific project requirements and architectural styles.

KAWNEER

Building Legacies

PERFORMANCE

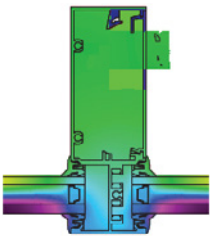
Flexible enough for a wide range of building projects, the Trifab® VersaGlaze® 601/601T/601UT Framing System has a 6" depth, which accommodates higher spans than conventional 4-1/2" storefront framing systems. The 3-in-1 series includes the non-thermal Trifab® 601, the single thermal break Trifab® 601T and the dual thermal break Trifab® 601UT. The greater system depth combined with three thermal performance options and two glass plane options make this one of the most versatile framing systems available. By combining the greater 6" depth with superior thermal performance and versatility, Kawneer is able to bridge the gap between traditional framing systems and low-rise curtain walls. The Trifab® 601/601T/601UT Framing System is perfect for projects where an economical alternative to a low-rise curtain wall is desired. These systems meet the same high standards for air and water infiltration and thermal performance that are traditionally found in Kawneer products. The Trifab® 601/601T/601UT Framing System also has a high-performance sill design. The sill attaches to the sill flashing by way of a raceway and eliminates the troublesome blind seal method used on many flashing systems. The sill includes a screw-applied end dam, which ensures positive and tight joints between the sill flashing and end dam.

PERFORMANCE TEST STANDARDS	
Air Performance	ASTM E283
Water Performance	ASTM E331
Uniform Static Structural	ASTM E330
Sound Transmission Class (STC)	AAMA 1801 and in accordance with ASTM E1425
Condensation Resistance (CRF)	AAMA 1503 and CAN/CSA-A440
Thermal Transmittance (U-Value)	AAMA 1503.1
U-Value Simulations for Other Glazing Options	AAMA 507, NFRC 100, NFRS 200, NFRC 500 and CAN/CSA-A440.2

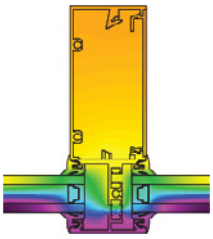
Trifab® 601
Center Set

Trifab® 601T
Center Set

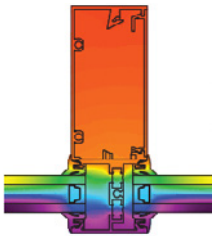
Trifab® 601UT
Center Set



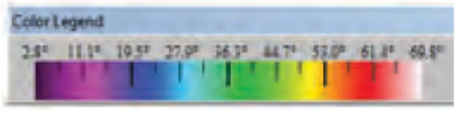
Trifab® 601
Front Set



Trifab® 601T
Front Set



Trifab® 601UT
Front Set



Thermal simulations showing temperature variations from exterior/cold side to interior/warm side.

DIVERSE FABRICATION AND INSTALLATION METHODS

The Trifab® 601/601T/601UT Framing System employs various joinery construction types for efficient fabrication and installation.

Glass Plane	Center Set			Front Set		
Framing Type	601	601T	601UT	601	601T	601UT
Thermal Level	Non-Thermal	Thermal	Ultra-Thermal	Non-Thermal	Thermal	Ultra-Thermal
Screw Spline Fabrication	•	•	•	•	•	•
Shear Block Fabrication	–	–	–	•	•	•
Stick Fabrication	–	–	–	•	•	•
Stick Fabrication SSG	–	–	–	•	•	•

The framing can be specified for glazing from either the inside or outside. Inside glazing can help reduce field labor costs by eliminating the need for exterior scaffolding or swing stages for installation on floors above the ground level. In addition, the frames have a two-piece receptor option that easily accommodates attachment of air-barrier systems.

AESTHETICS AND VERSATILITY

The Trifab® 601/601T/601UT Framing System is designed with cost and flexibility in mind. With a 2" x 6" frame profile, the sightline is consistent with current framing systems and the glass pockets are aligned to 4-1/2"-deep Trifab® framing systems. This allows for a shallow horizontal member that not only lowers overall metal costs, but also provides flexibility to accommodate interior finishes, such as blinds, that can span the full uninterrupted elevation height. The flexibility of the 3-in-1 series provides a pre-designed solution for non-thermal as well as thermal entrances. Framing options include non-thermal and thermally broken door framing members to accommodate 1-3/4"-deep and 2-1/4"-deep entrance doors, an expansion mullion and a two-piece head and jamb receptor. The 6" depth accommodates higher spans than conventional 4-1/2" storefront framing systems, and an optional 2-1/4" wide vertical mullion allows for internal steel reinforcement for projects with greater structural performance requirements.

Front Set System

Center Set System

Form Number 17-2241.B

KAWNEER

Technology Park/Atlanta
555 Guthridge Court
Norcross, GA 30092

KAWNEER ANODIZED FINISHES

Kawneer gives you a wide variety of anodized finishes with attractive alternatives. The benefit of a durable, anodized finish is married to the beauty of some very dynamic and exciting colors.

At the start of every design, there's a choice of how you want to finish. Contact your Kawneer sales rep for the information on these and other finishes available from Kawneer.

	KAWNEER FINISH NO.	COLOR	ALUMINUM ASSOCATION SPECIFICATION	OTHER COMMENTS
	#14	CLEAR	AA-M10C21A41	Architectural Class I (0.7 mils minimum)
	#17	CLEAR	AA-M10C21A31	Architectural Class II (0.4 mils minimum)
	#40	DARK BRONZE	AA-M10C21A44	Architectural Class I (0.7 mils minimum)
	#29	BLACK	AA-M10C21A44	Architectural Class I (0.7 mils minimum)

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Features

- Trifab® VersaGlaze® 601/601T/601UT Framing System is 6" (152.4) deep with a 2" (50.8) sightline
- Center Plane glass applications
- Flush glazed from either the inside or outside
- Screw Spline 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)
- Integrates with Versoleil® SunShade Outrigger System and Horizontal Single Blade System
- Profit$Maker® Plus die sets

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 Windows are easily incorporated

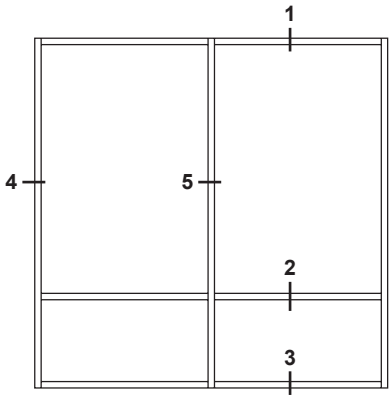
For specific product applications,
consult your Kawneer representative.

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

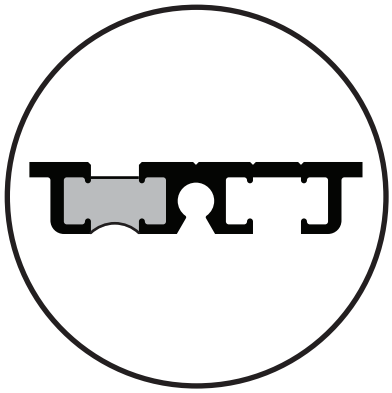
The following metric (SI) units are found in these details:

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

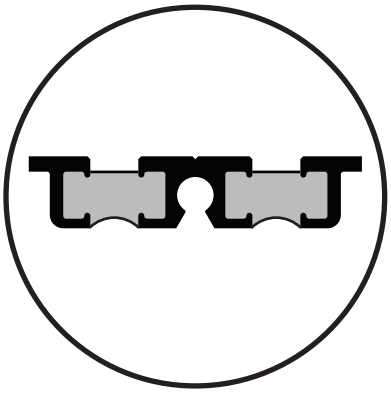
Additional information and CAD details are available at www.kawneer.com



ELEVATION IS NUMBER KEYED TO DETAILS

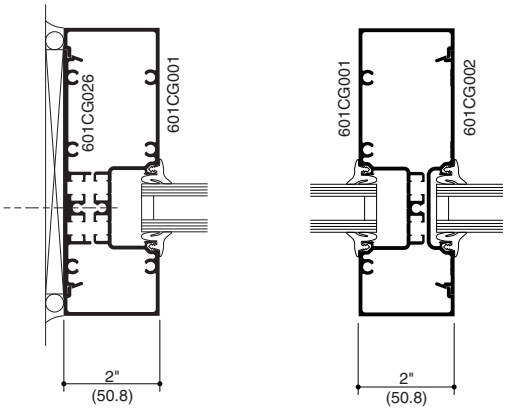


Trifab® VG 601T IsoLock® THERMAL BREAK

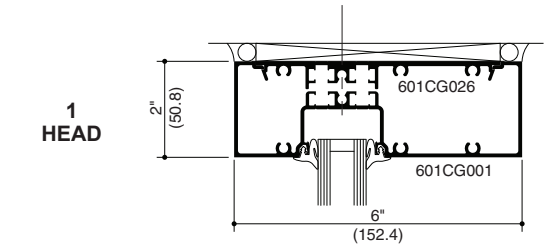


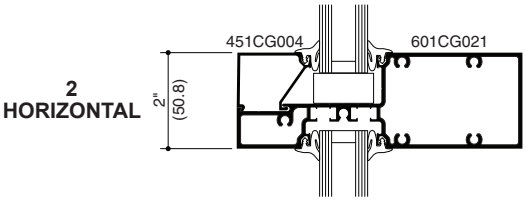
Trifab® VG 601UT DUAL IsoLock® THERMAL BREAK

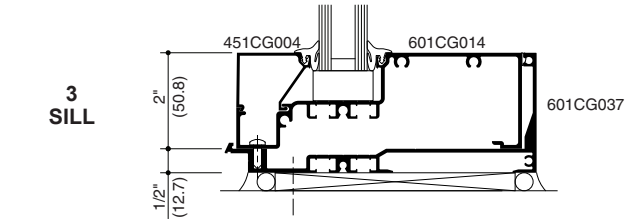
SCREW SPLINE



4 JAMB **5 VERTICAL**







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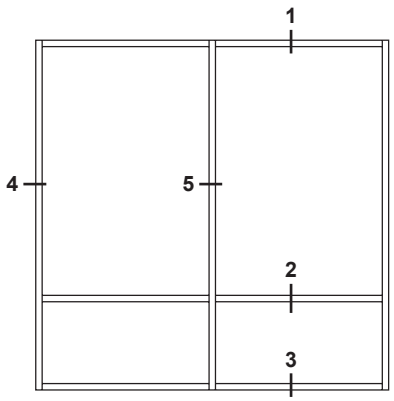
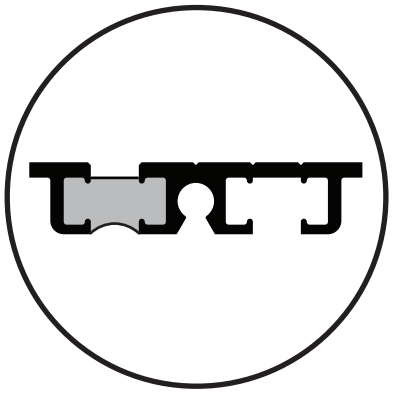
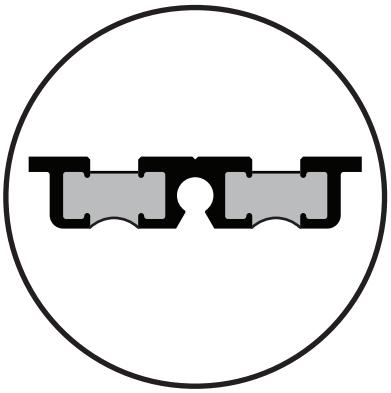


ELEVATION IS NUMBER KEYED TO DETAILS

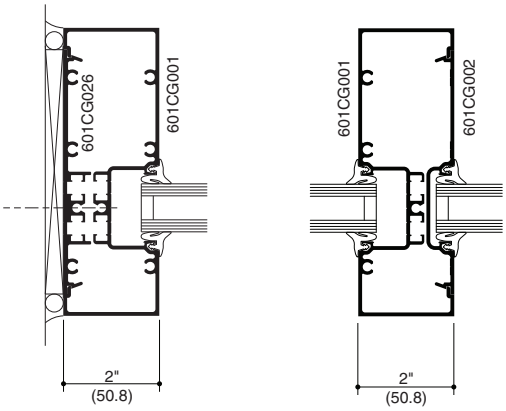


Trifab® VG 601T IsoLock® THERMAL BREAK



Trifab® VG 601UT DUAL IsoLock® THERMAL BREAK

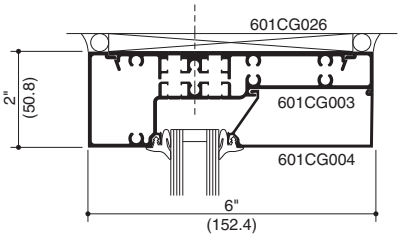
SCREW SPLINE



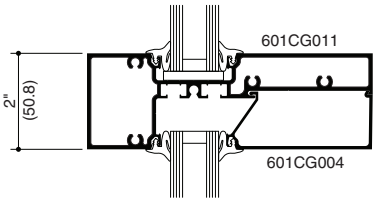
4 JAMB

5 VERTICAL

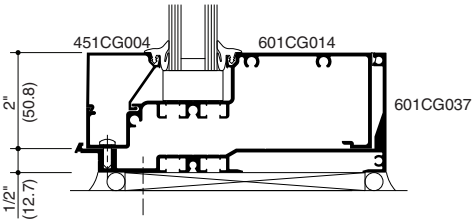
1 HEAD



2 HORIZONTAL



3 SILL



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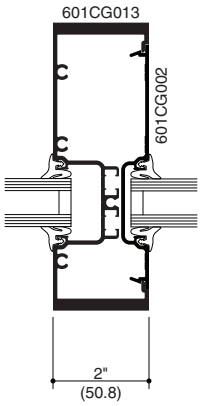
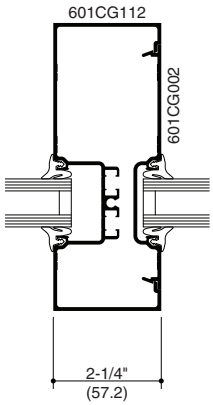
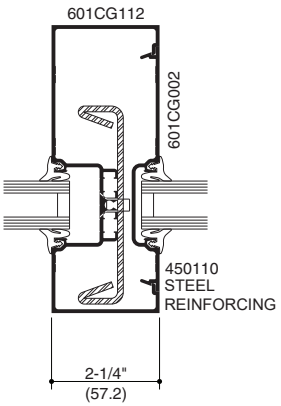


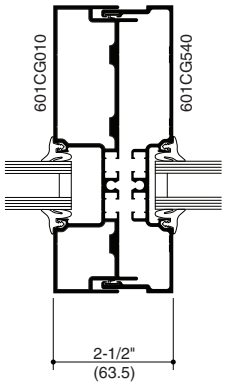
2" (50.8) HEAVY WALL MULLION



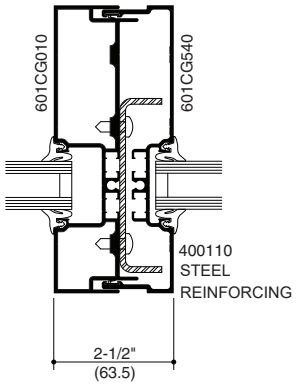
2-1/4" (57.2) MULLION



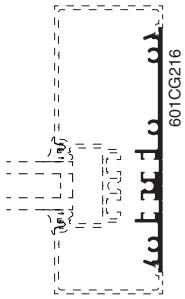
2-1/4" (57.2) MULLION WITH STEEL



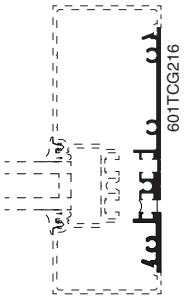
TUBULAR EXPANSION MULLION



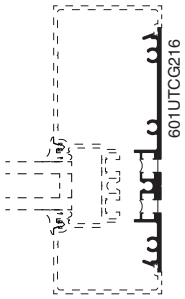
TUBULAR EXPANSION MULLION WITH OPTIONAL STEEL



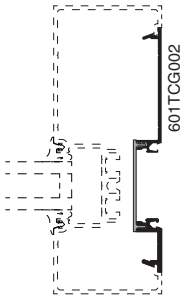
FLAT FILLER



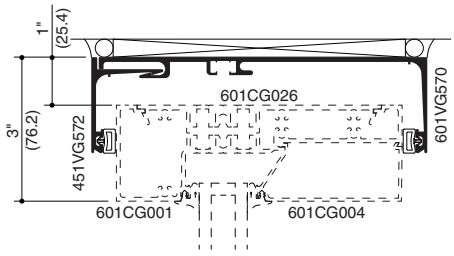
THERMAL FLAT FILLER



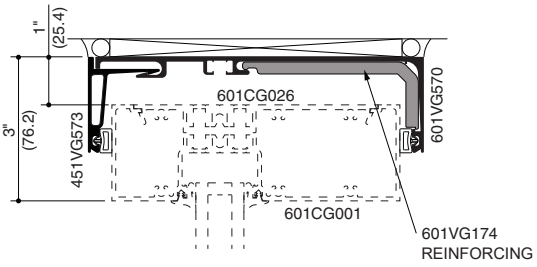
ULTRA THERMAL FLAT FILLER



THERMAL POCKET FILLER



STANDARD HEAD RECEPTOR
(EXTERIOR INSTALLED)



HEAVY WEIGHT HEAD RECEPTOR
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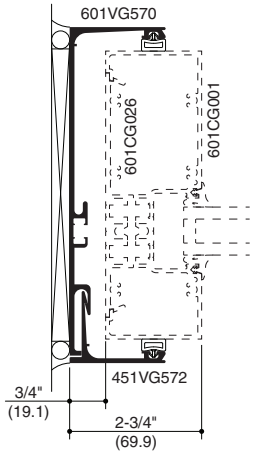
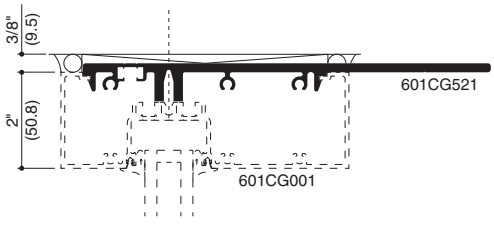
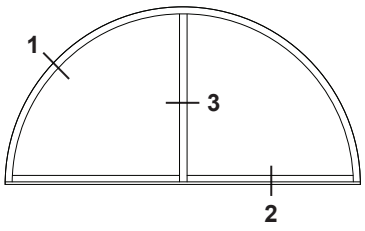


JAMB RECEPTOR
(EXTERIOR INSTALLED)

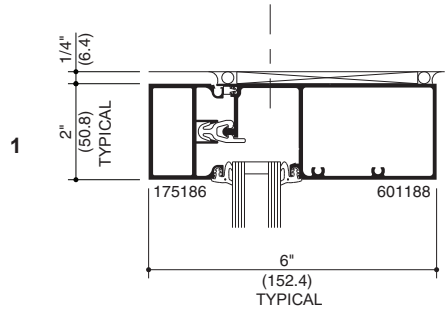


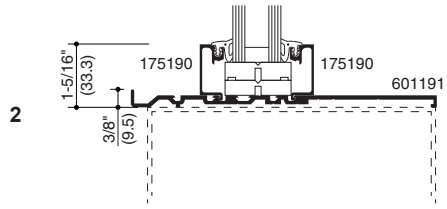
STRAP ANCHOR

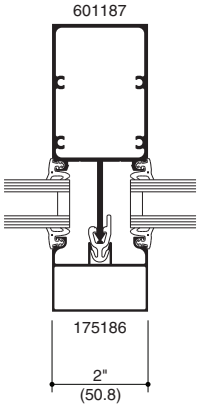
Additional information and CAD details are available at www.kawneer.com



CURVING DETAILS



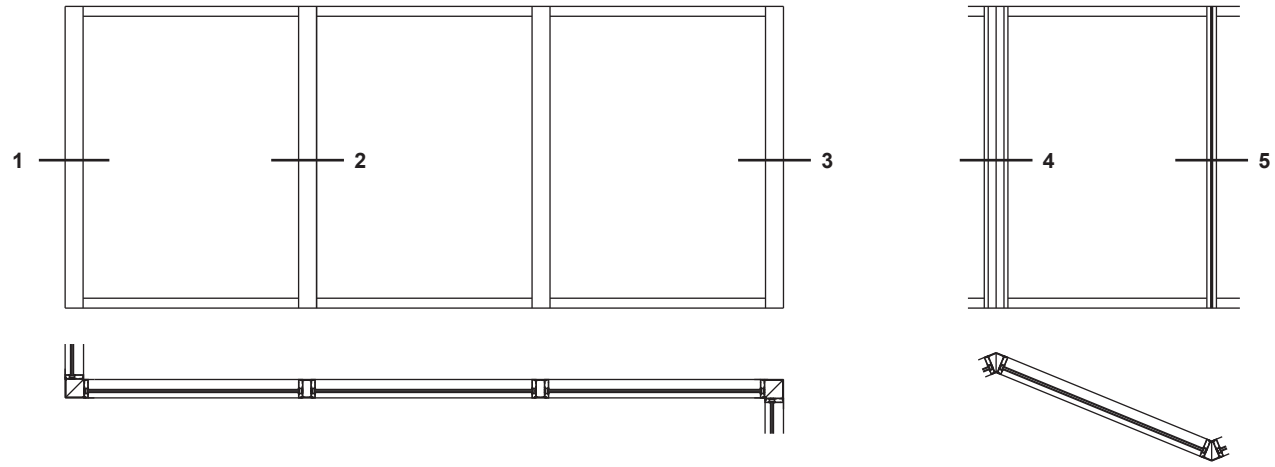




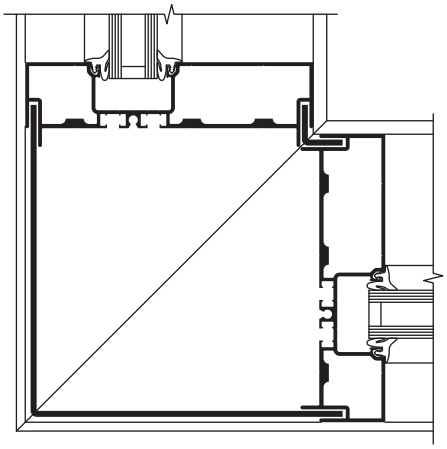
3

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

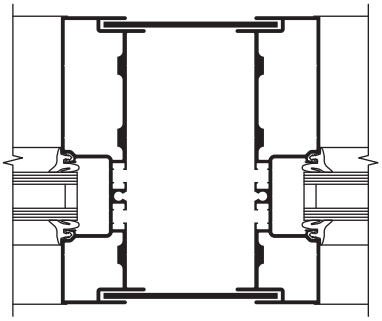
THESE DETAILS ARE TYPICAL FOR ALL 601, 601T, AND 601UT CONDITIONS.



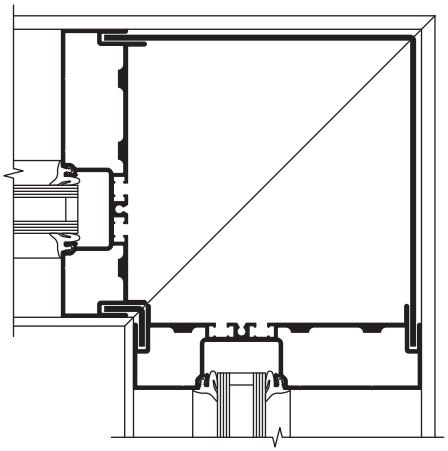
NOTE: 1" (25.4) infill shown.



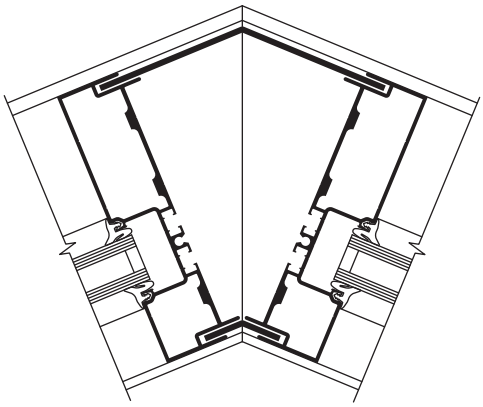
1
OUTSIDE 90° CORNER



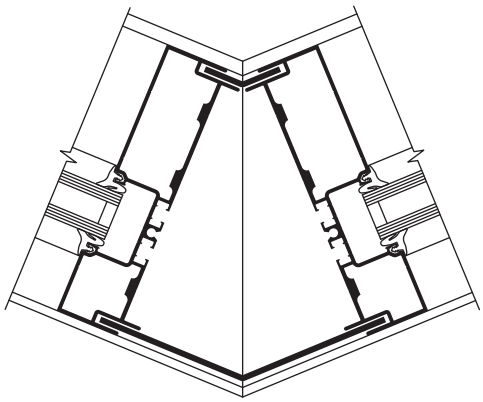
2
6" (152.4) MULLION POST



3
INSIDE 90° CORNER



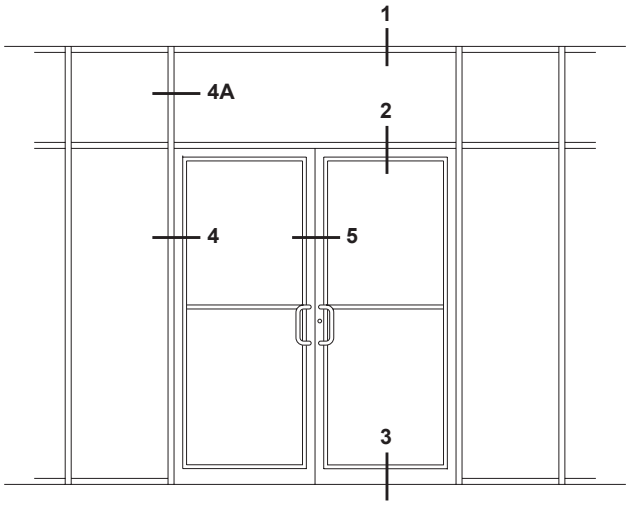
4
INSIDE 135° CORNER



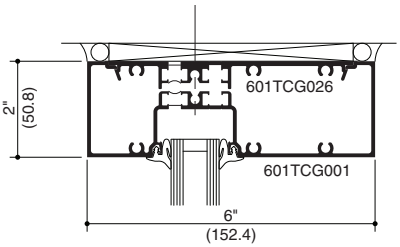
5
OUTSIDE 135° CORNER

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

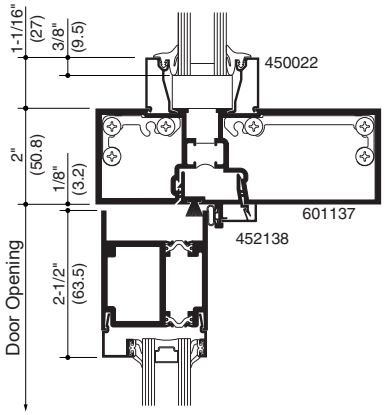
Trifab® VersaGlaze® 601T FRAMING INCORPORATING KAWNEER "AA®250" DOORS.
NOTE: OTHER TYPES OF KAWNEER DOORS MAY BE USED WITH THIS FRAMING SYSTEM.
SEE ENTRANCE DETAILS FOR ADDITIONAL INFORMATION.



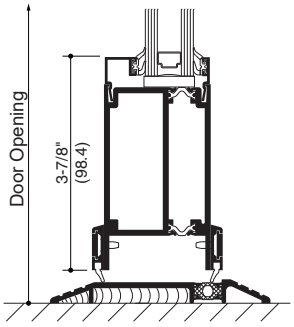
ELEVATION IS NUMBER KEYED TO DETAILS.



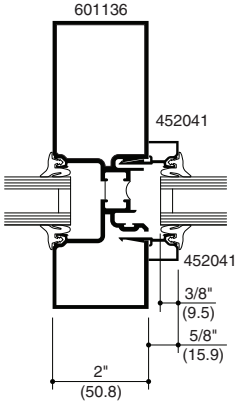
1
HEAD



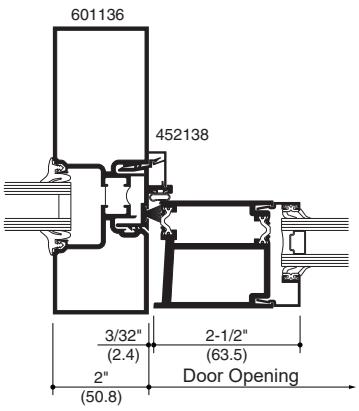
2
TRANSOM
BAR



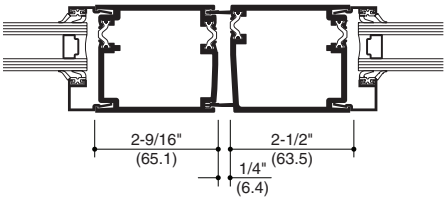
3
BOTTOM
RAIL



4A
TRANSOM
JAMB



4
DOOR
JAMB

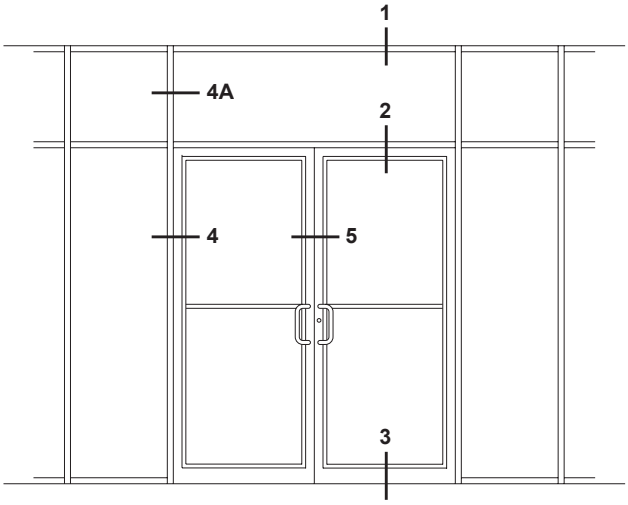


5
MEETING
STILES

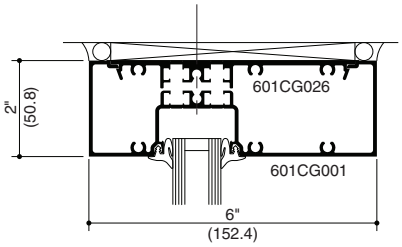
AA® 250/425 THERMAL DOOR

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

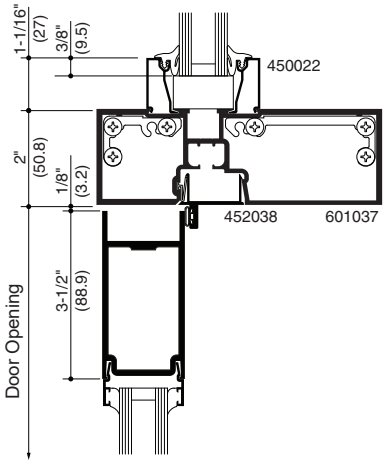
Trifab® VersaGlaze® 601 FRAMING INCORPORATING KAWNEER "350" DOORS.
NOTE: OTHER TYPES OF KAWNEER DOORS MAY BE USED WITH THIS FRAMING SYSTEM.
SEE ENTRANCE DETAILS FOR ADDITIONAL INFORMATION.



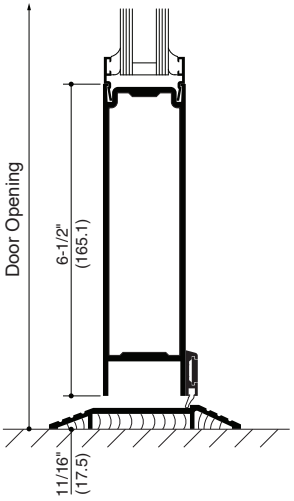
ELEVATION IS NUMBER KEYED TO DETAILS.



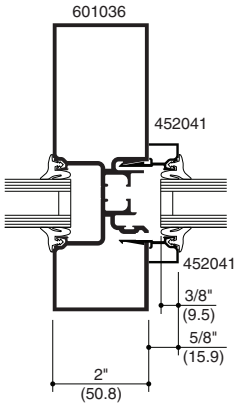
1 HEAD



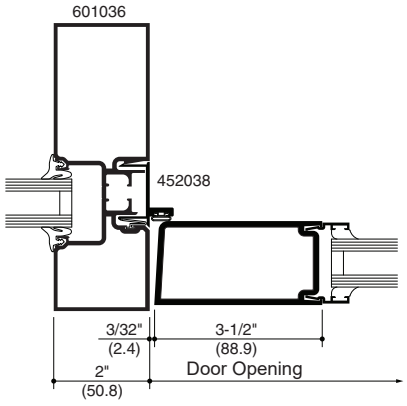
2 TRANSOM BAR



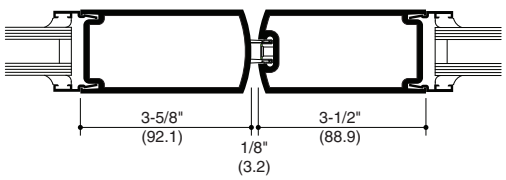
3 BOTTOM RAIL



4A DOOR JAMB



4 DOOR JAMB

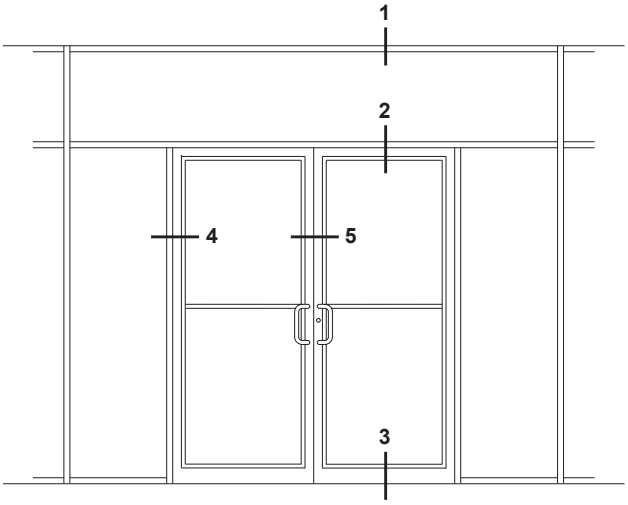


5 MEETING STILES

350 MEDIUM STILE DOOR

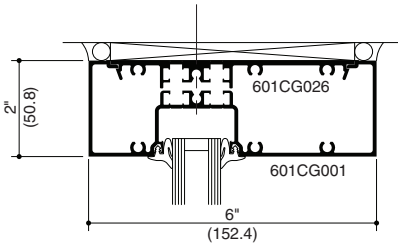
Additional information and CAD details are available at www.kawneer.com

Trifab® VersaGlaze® 601 FRAMING INCORPORATING KAWNEER "350" DOORS.
NOTE: OTHER TYPES OF KAWNEER DOORS MAY BE USED WITH THIS FRAMING SYSTEM.
SEE ENTRANCE DETAILS FOR ADDITIONAL INFORMATION.

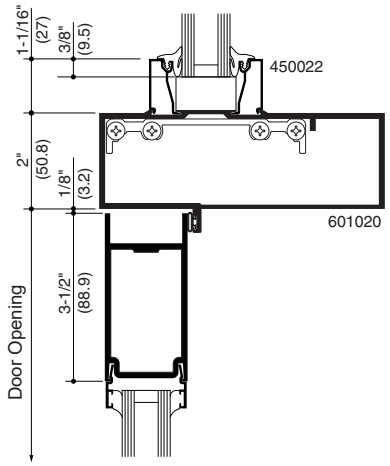


ELEVATION IS NUMBER KEYED TO DETAILS.

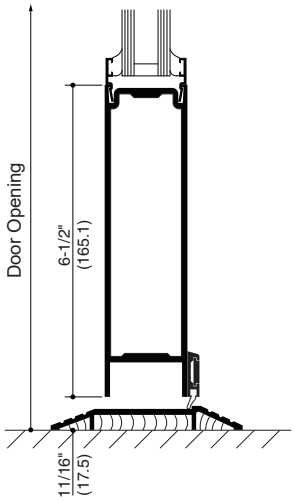
1 HEAD

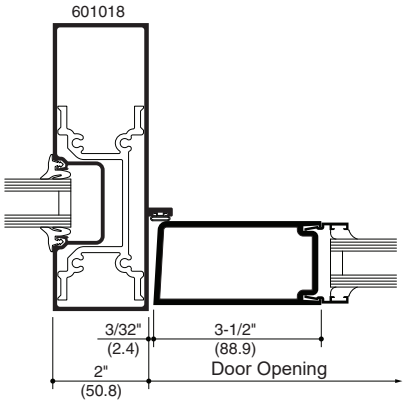


2 TRANSOM BAR

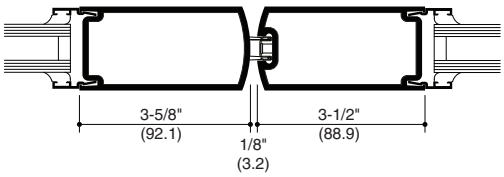


3 BOTTOM RAIL





4 DOOR JAMB



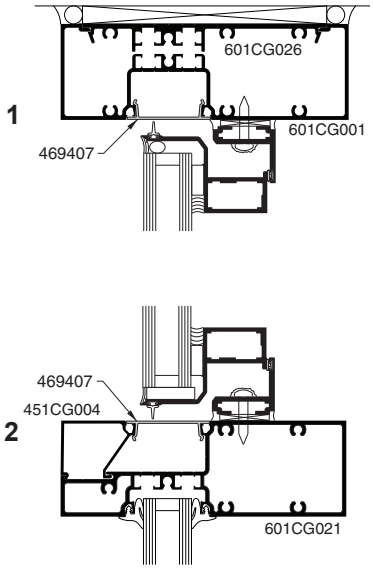
5 MEETING STILES

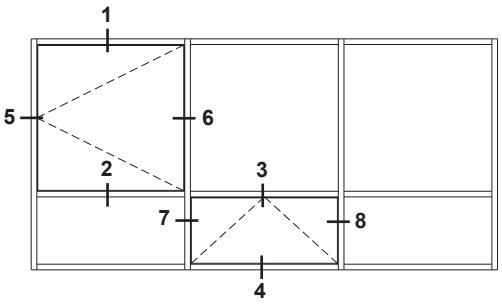
350 MEDIUM STILE DOOR

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

Trifab® VersaGlaze® 601 FRAMING SHOWN.
OTHER FRAMING OPTIONS AVAILABLE.
CONSULT YOUR KAWNEER REPRESENTATIVE.

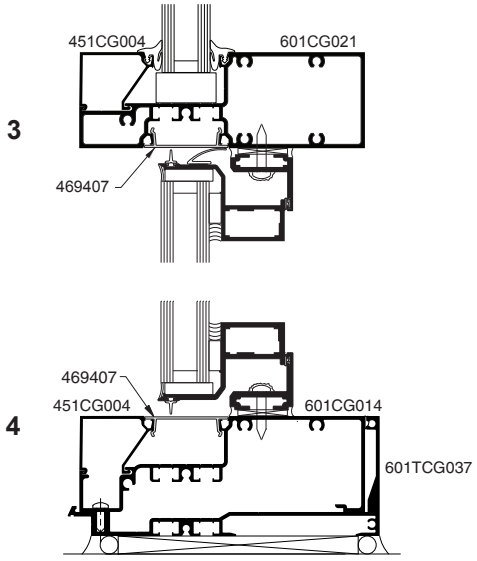
OUTSWING CASEMENT VERTICAL SECTION



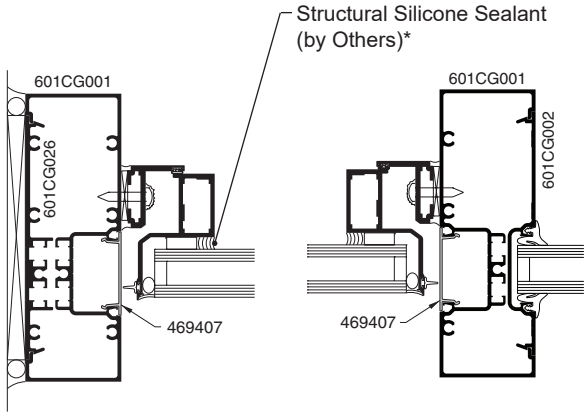


ELEVATION IS NUMBER KEYED TO DETAILS

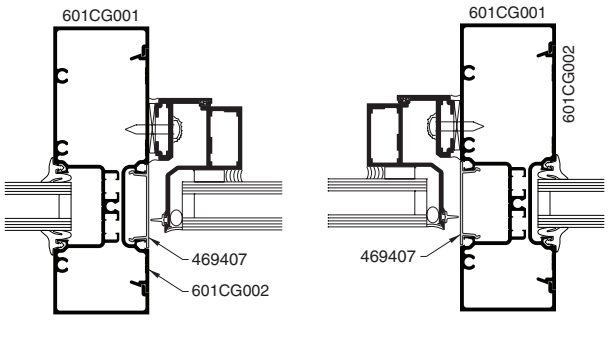
PROJECT-OUT VERTICAL SECTION



OUTSWING CASEMENT HORIZONTAL SECTION



PROJECT-OUT HORIZONTAL SECTION



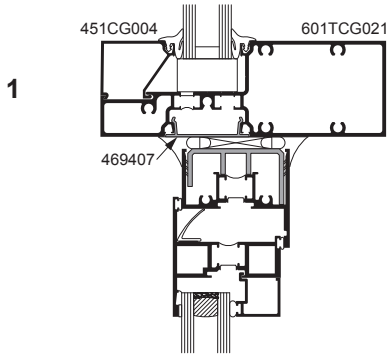
NOTE: Black spacer is recommended when 1" (25.4) insulating glass is used.

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

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

Trifab® VersaGlaze® 601T FRAMING SHOWN.
OTHER FRAMING OPTIONS AVAILABLE.
CONSULT YOUR KAWNEER REPRESENTATIVE.

PROJECT-OUT VERTICAL SECTION



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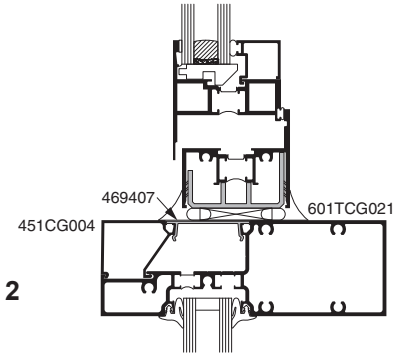
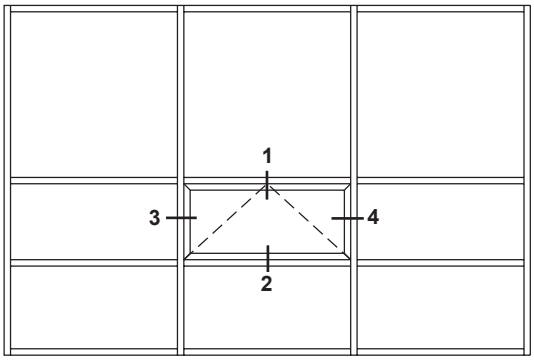


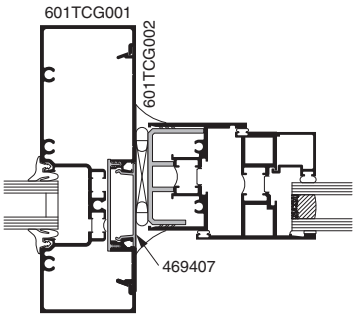
2

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

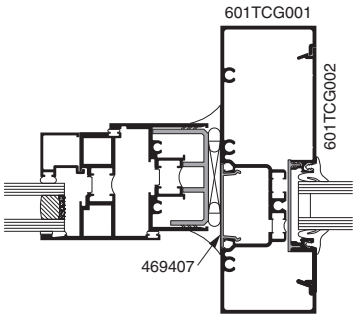


ELEVATION IS NUMBER KEYED TO DETAILS

PROJECT-OUT HORIZONTAL SECTION



3



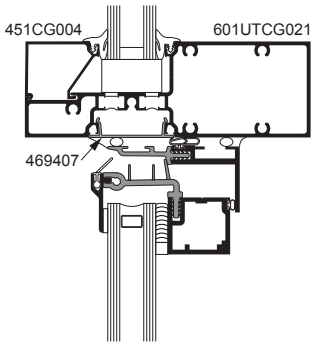
4

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

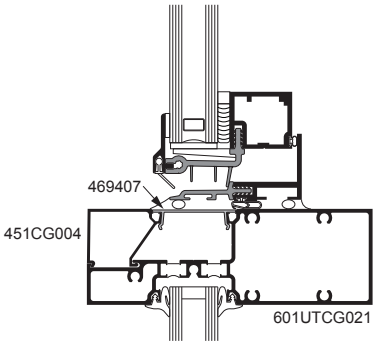
Trifab® VersaGlaze® 601UT FRAMING SHOWN.
OTHER FRAMING OPTIONS AVAILABLE.
CONSULT YOUR KAWNEER REPRESENTATIVE.

PROJECT-OUT VERTICAL SECTION

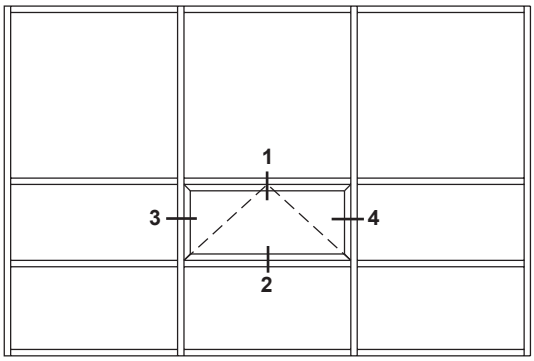
1



2



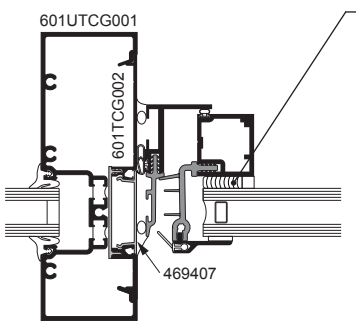
GLASSvent® UT WINDOWS SHOWN
NOTE: OTHER VENT TYPES CAN BE ACCOMMODATED, CONSULT YOUR KAWNEER REPRESENTATIVE FOR OTHER OPTIONS



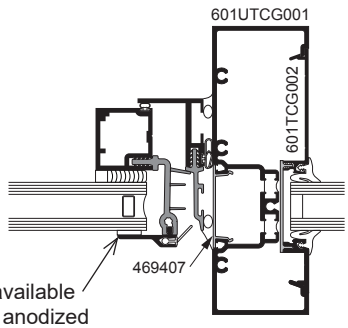
ELEVATION IS NUMBER KEYED TO DETAILS

NOTE: Black spacer is recommended when 1" (25.4) insulating glass is used.

PROJECT-OUT HORIZONTAL SECTION



3



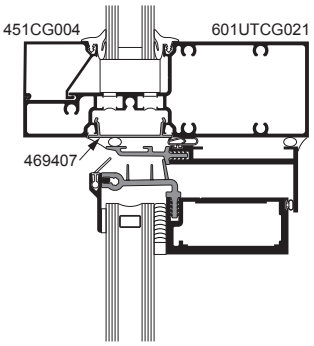
4

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

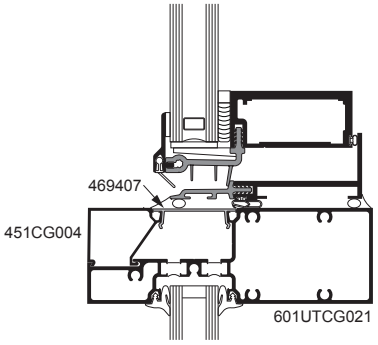
Additional information and CAD details are available at www.kawneer.com

Trifab® VersaGlaze® 601UT FRAMING SHOWN.
OTHER FRAMING OPTIONS AVAILABLE.
CONSULT YOUR KAWNEER REPRESENTATIVE.

PROJECT-OUT VERTICAL SECTION

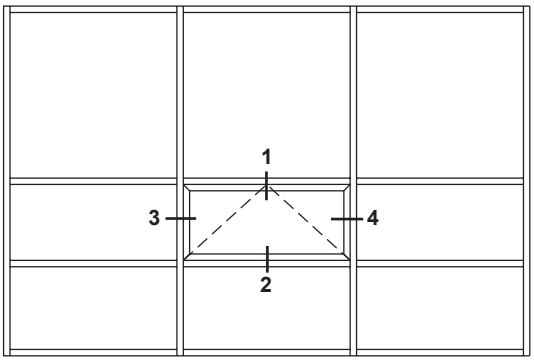


1



2

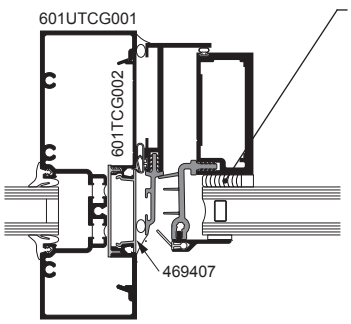
GLASSvent® UT WINDOWS SHOWN
NOTE: OTHER VENT TYPES CAN BE ACCOMMODATED, CONSULT YOUR KAWNEER REPRESENTATIVE FOR OTHER OPTIONS



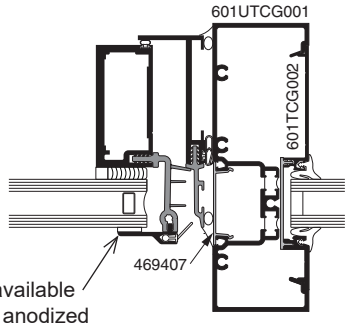
ELEVATION IS NUMBER KEYED TO DETAILS

NOTE: Black spacer is recommended when 1" (25.4) insulating glass is used.

PROJECT-OUT HORIZONTAL SECTION



3



4

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

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.

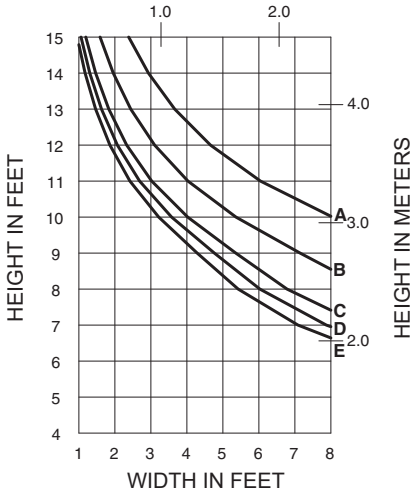
If the end reaction of the mullion [mullion spacing (ft.) times height (ft.) times specified wind load (psf) divided by two] is more than 500 lbs., the optional Mullion Anchors must be used. Consult Application Engineering. *(Mullion Anchor not used with Lightweight Receptor.)*

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" (6.35) thick glass supported on two setting blocks placed at the loading points shown.

	Allowable Stress Design Load	LRFD Ultimate Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E =	50 PSF (2400)	83 PSF (4000)
F =	60 PSF (2880)	100 PSF (4790)

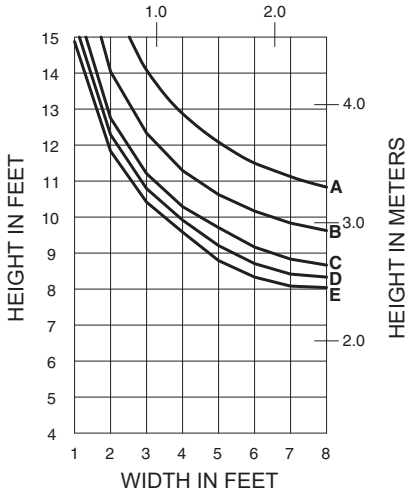
WITH HORIZONTALS



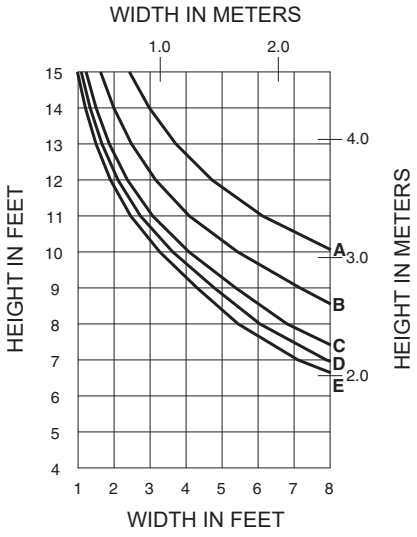
601CG001

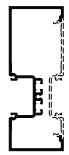
I = 5.431 (226.05 x 10^4)
S = 1.717 (28.14 x 10^3)

WITHOUT HORIZONTALS



WITH HORIZONTALS

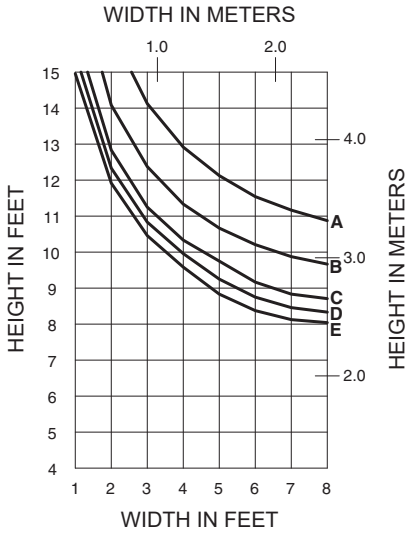




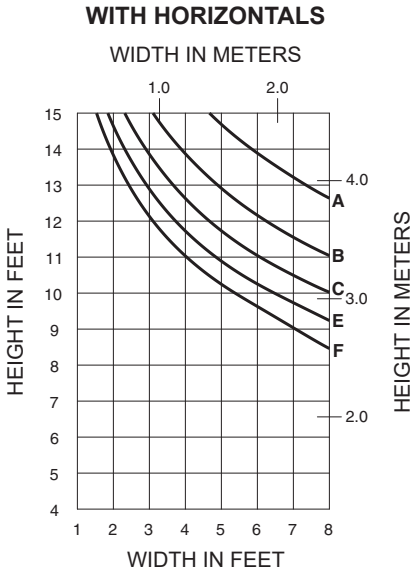
601CG112

I = 5.495 (228.72 x 10^4)
S = 1.727 (28.30 x 10^3)

WITHOUT HORIZONTALS



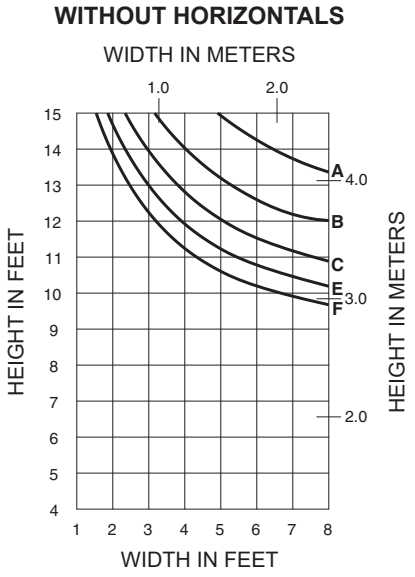
WITH HORIZONTALS



601CG013

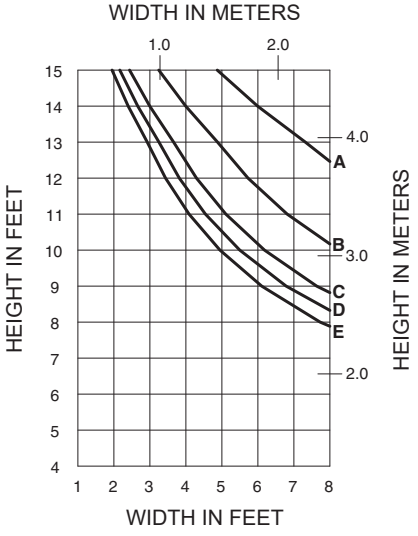
I_A = 10.593 (440.91 x 10^4)
S_A = 3.411 (55.90 x 10^3)

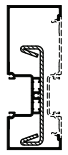
WITHOUT HORIZONTALS



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

WITH HORIZONTALS



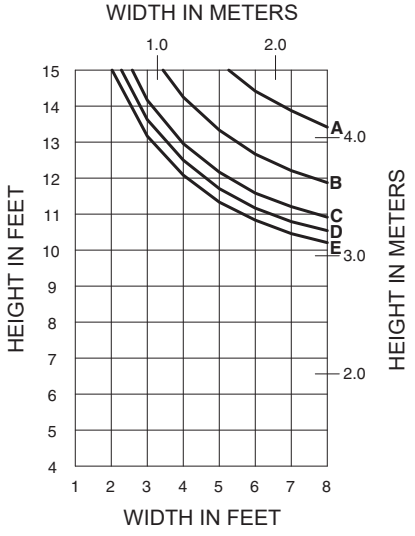


601CG112
WITH 450110 STEEL

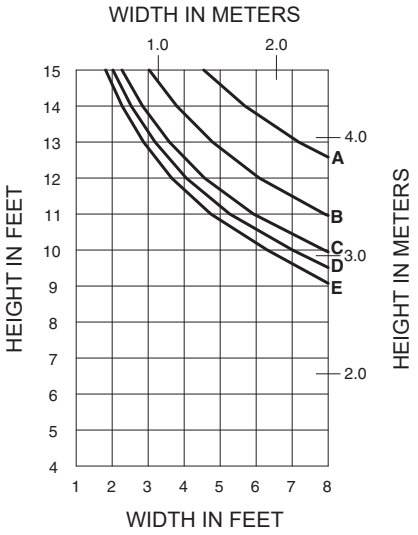
I_A = 5.495 (228.72 x 10^4)
S_A = 1.727 (28.30 x 10^3)

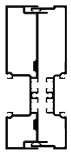
I_S = 1.929 (80.29 x 10^4)
S_S = 0.935 (15.32 x 10^3)

WITHOUT HORIZONTALS



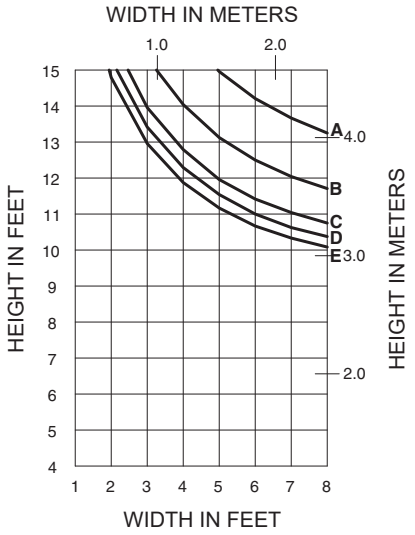
WITH HORIZONTALS



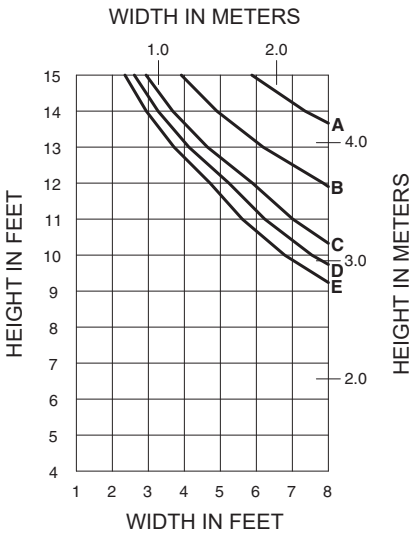


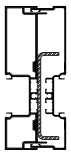
601CG010
I = 10.570 (439.95 x 10^4)
S = 3.406 (55.81 x 10^3)

WITHOUT HORIZONTALS



WITH HORIZONTALS



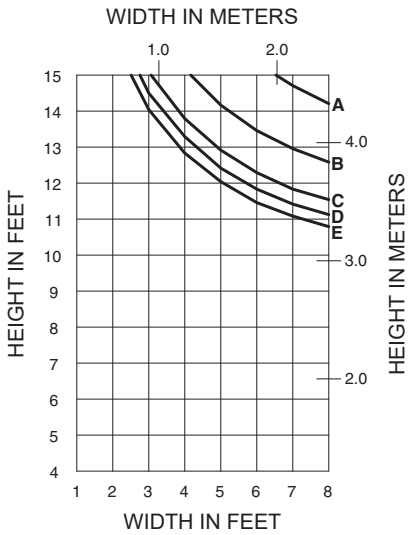


601CG010
WITH 400110 STEEL

I_A = 10.570 (439.95 x 10^4)
S_A = 3.406 (55.81 x 10^3)

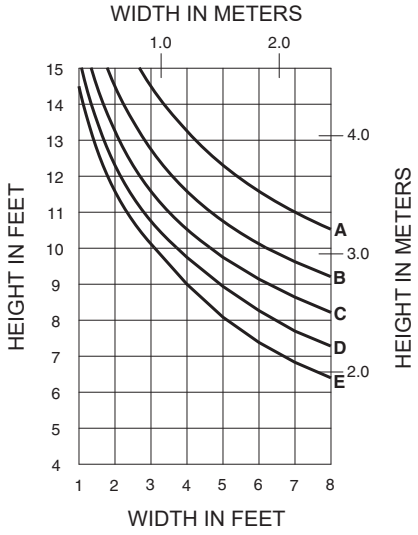
I_S = 0.970 (40.37 x 10^4)
S_S = 0.535 (8.77 x 10^3)

WITHOUT HORIZONTALS



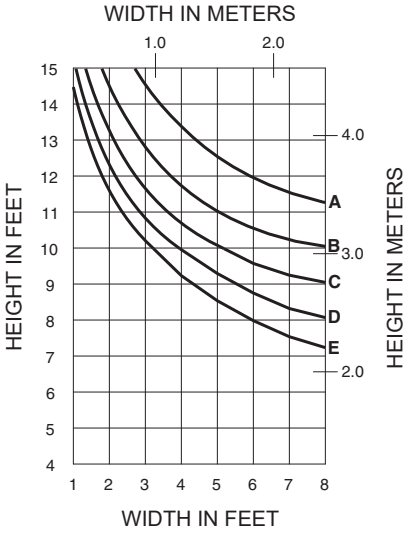
	Allowable Stress Design Load	LRFD Ultimate Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	50 PSF (2400)	83 PSF (4000)
E =	60 PSF (2880)	100 PSF (4790)

WITH HORIZONTALS

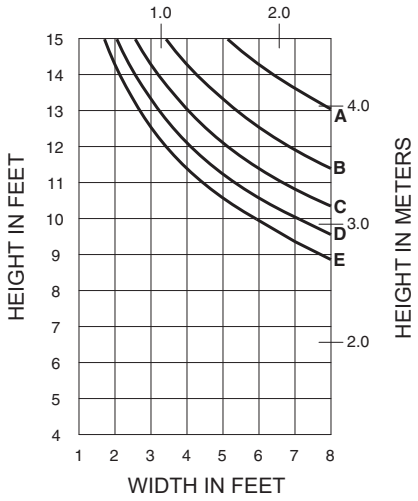


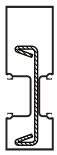
601CG005
I = 6.092 (253.57 x 10^4)
S = 1.944 (31.86 x 10^3)

WITHOUT HORIZONTALS



WITH HORIZONTALS



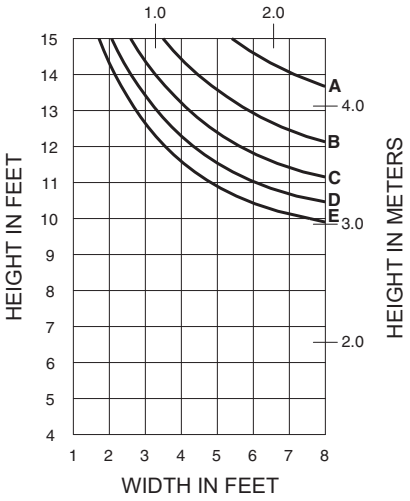


601CG005
WITH 450110 STEEL

I_A = 6.092 (253.57 x 10^4)
S_A = 1.944 (31.86 x 10^3)

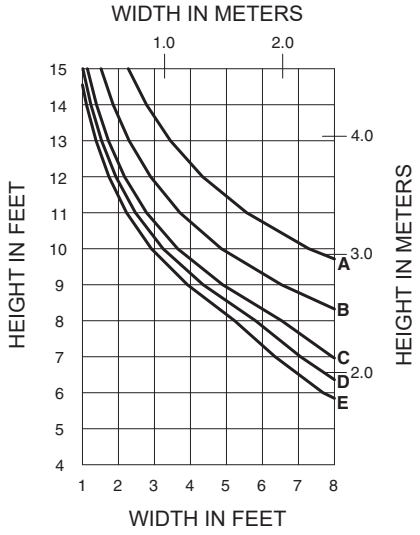
I_S = 1.929 (80.29 x 10^4)
S_S = 0.935 (15.32 x 10^3)

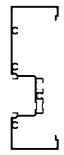
WITHOUT HORIZONTALS



	Allowable Stress Design Load	LRFD Ultimate Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E =	50 PSF (2400)	83 PSF (4000)
F =	60 PSF (2880)	100 PSF (4790)

WITH HORIZONTALS

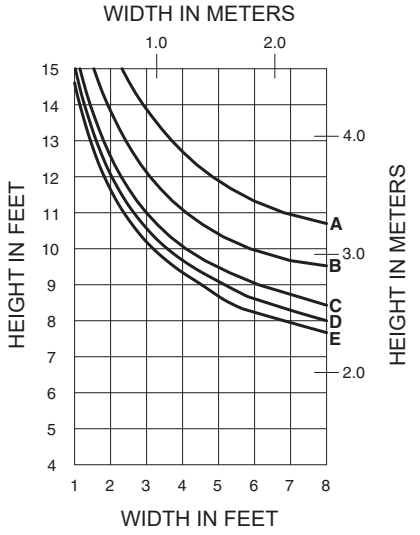




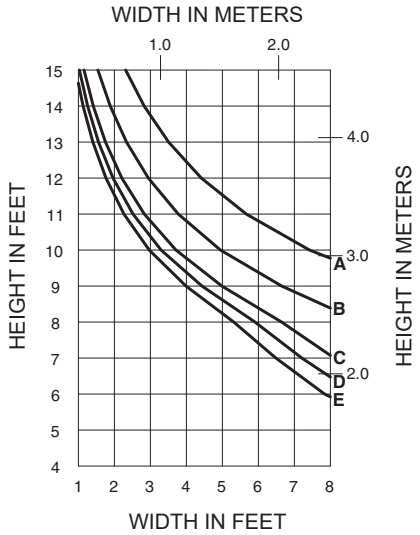
601TCG001

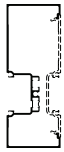
WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-8 AND AAMA 505

WITHOUT HORIZONTALS



WITH HORIZONTALS

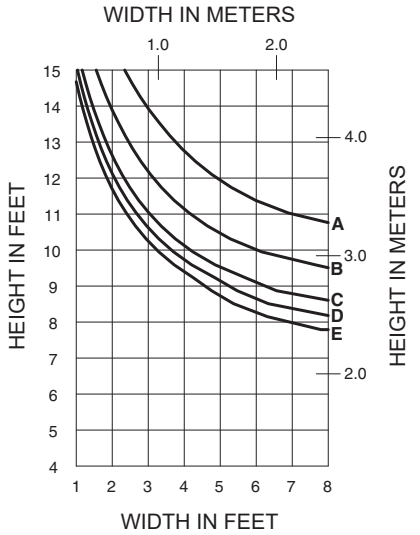




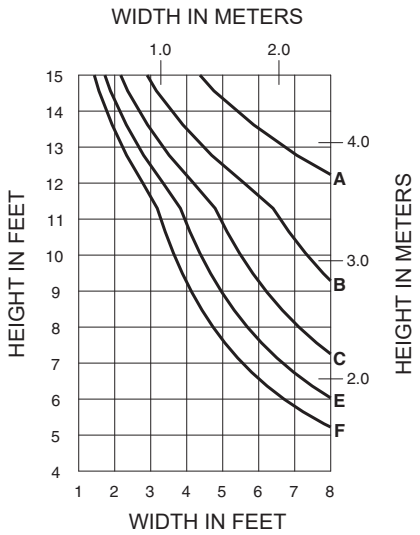
601TCG112

WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-8 AND AAMA 505

WITHOUT HORIZONTALS



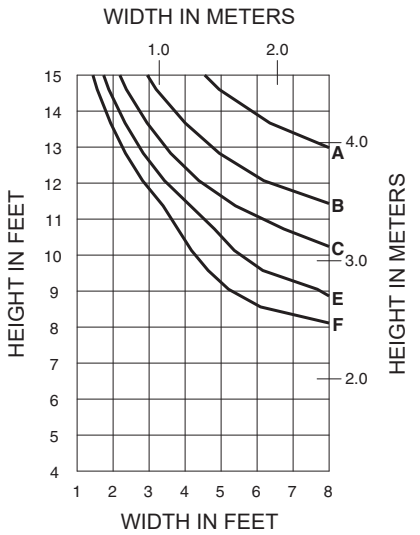
WITH HORIZONTALS



601TCG013

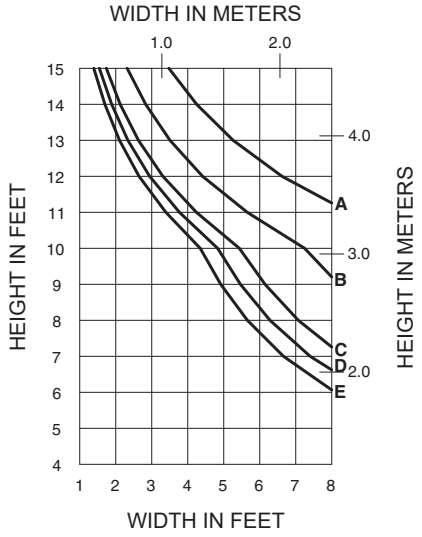
WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-8 AND AAMA 505

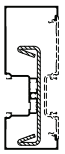
WITHOUT HORIZONTALS



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

WITH HORIZONTALS

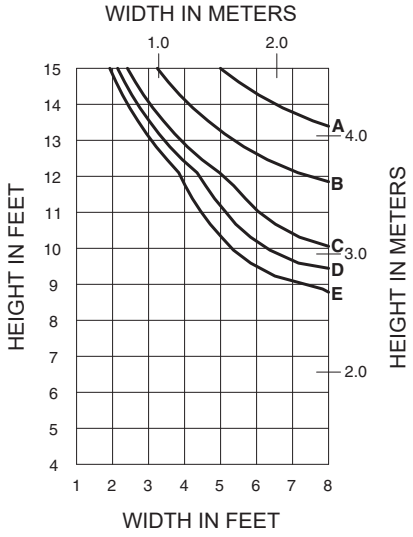




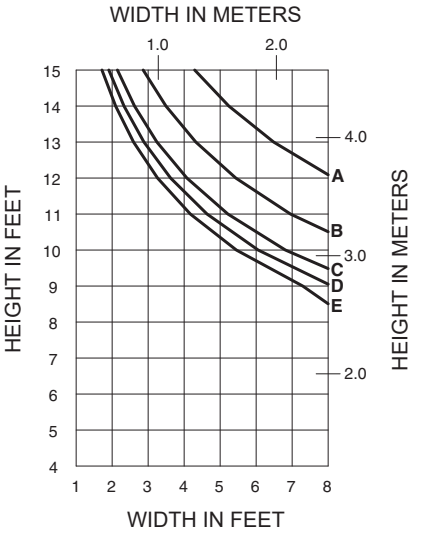
601TCG112
WITH 450110 STEEL

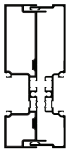
WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-8 AND AAMA 505

WITHOUT HORIZONTALS



WITH HORIZONTALS

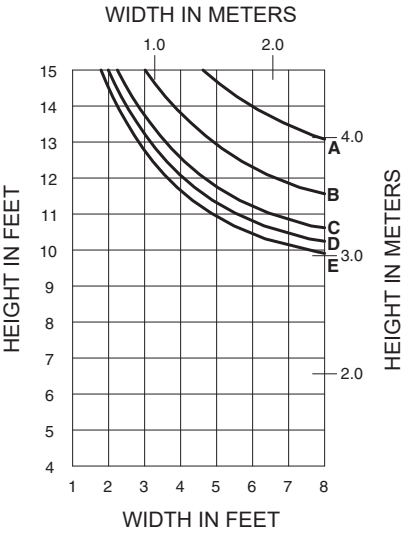




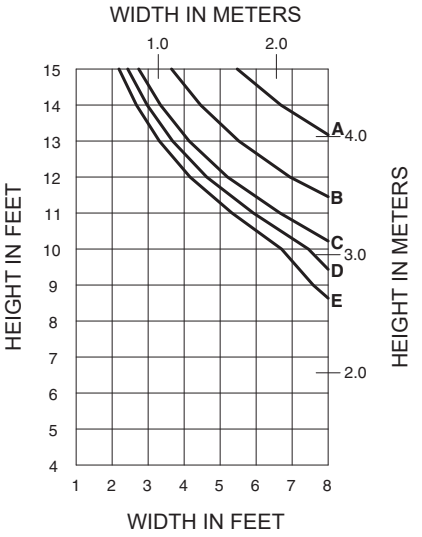
601TCG010

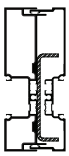
WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-8 AND AAMA 505

WITHOUT HORIZONTALS



WITH HORIZONTALS

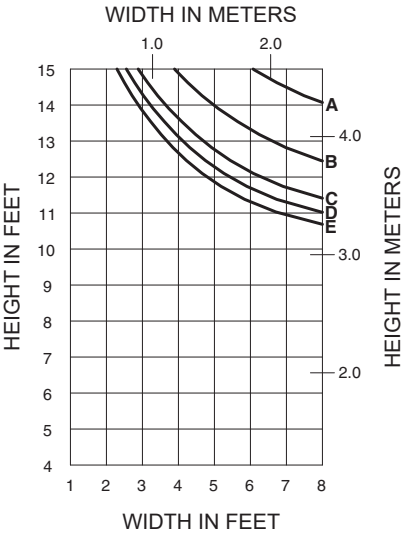




601TCG010
WITH 400110 STEEL

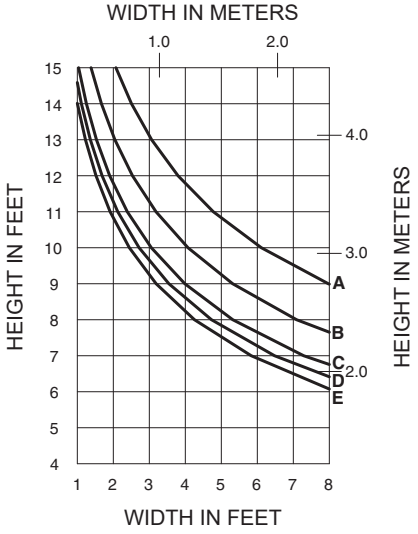
WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-8 AND AAMA 505

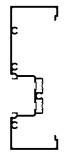
WITHOUT HORIZONTALS



	Allowable Stress Design Load	LRFD Ultimate Design Load
A =	20 PSF (960)	33 PSF (1580)
B =	30 PSF (1440)	50 PSF (2400)
C =	40 PSF (1920)	67 PSF (3200)
D =	45 PSF (2160)	75 PSF (3600)
E =	50 PSF (2400)	83 PSF (4000)
F =	60 PSF (2880)	100 PSF (4790)

WITH HORIZONTALS

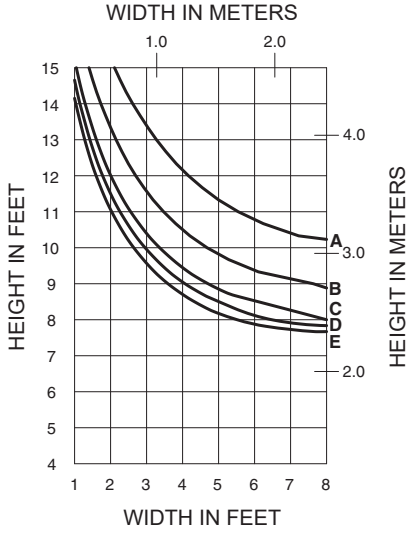




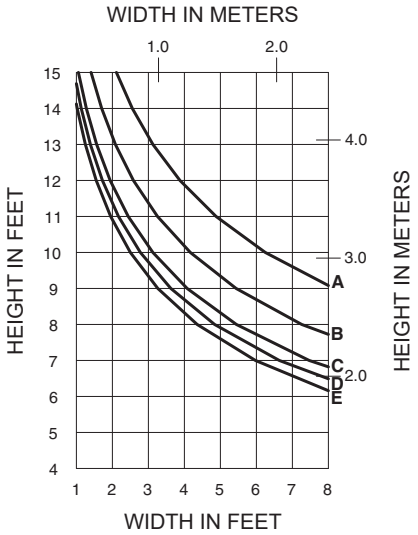
601UTCG001

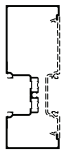
WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-8 AND AAMA 505

WITHOUT HORIZONTALS



WITH HORIZONTALS

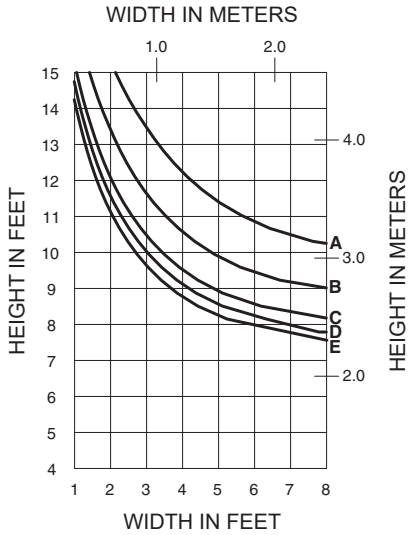




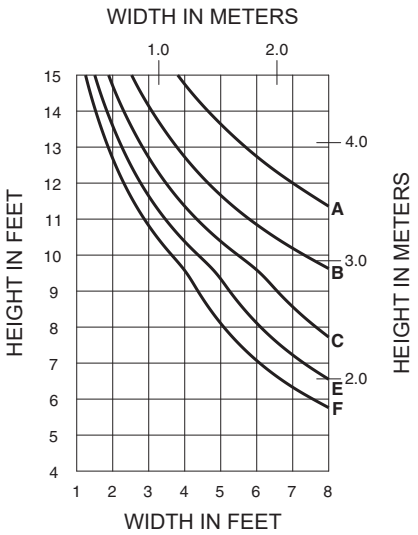
601UTCG112

WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-8 AND AAMA 505

WITHOUT HORIZONTALS



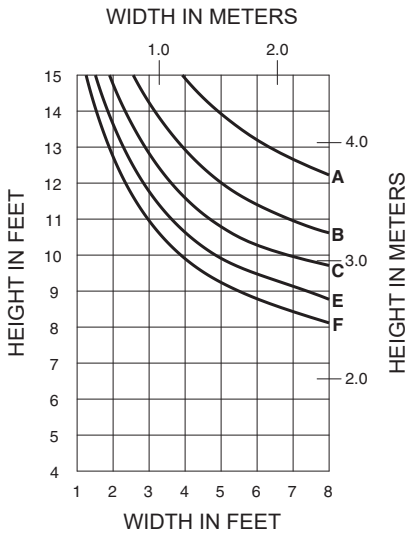
WITH HORIZONTALS



601UTCG013

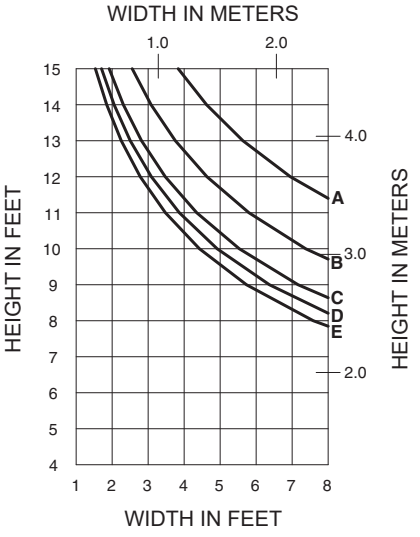
WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-8 AND AAMA 505

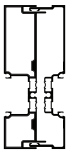
WITHOUT HORIZONTALS



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

WITH HORIZONTALS

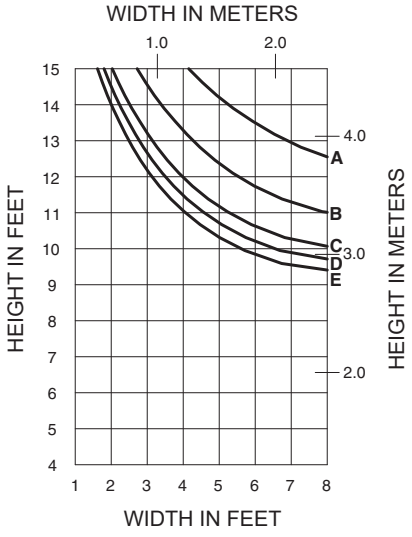




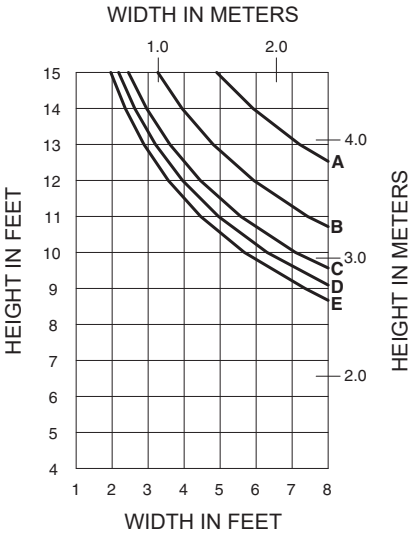
601UTCG010

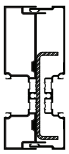
WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-8 AND AAMA 505

WITHOUT HORIZONTALS



WITH HORIZONTALS

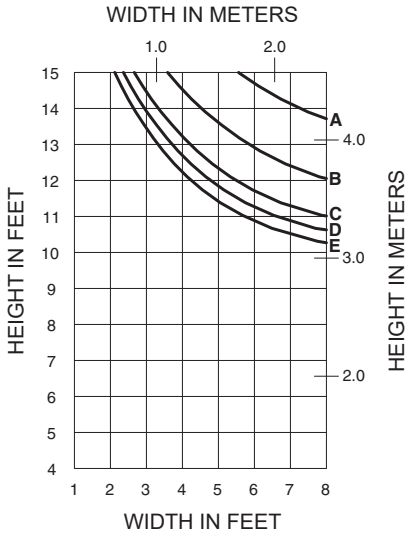




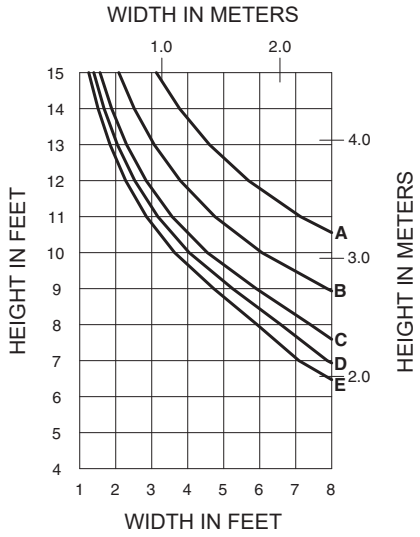
601UTCG010
WITH 400110 STEEL

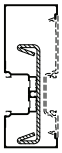
WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-8 AND AAMA 505

WITHOUT HORIZONTALS



WITH HORIZONTALS

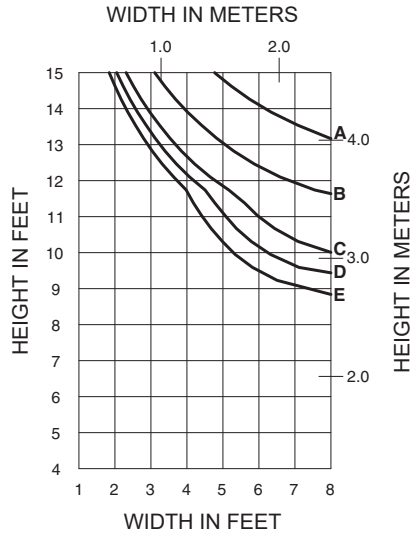




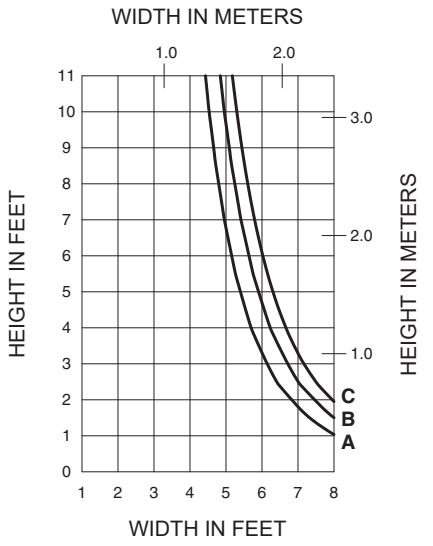
601UTCG112
WITH 450110 STEEL

WIND LOAD CHARTS ARE BASED ON COMPOSITE PROPERTIES WHICH ARE CALCULATED IN ACCORDANCE WITH AAMA TIR-8 AND AAMA 505

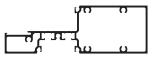
WITHOUT HORIZONTALS



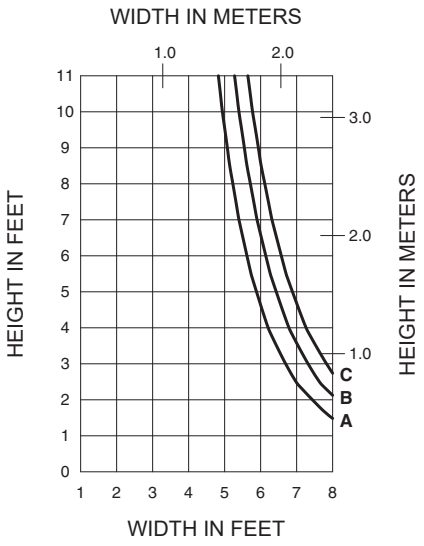
A = (1/4 POINT LOADING)
B = (1/6 POINT LOADING)
C = (1/8 POINT LOADING)



601CG011



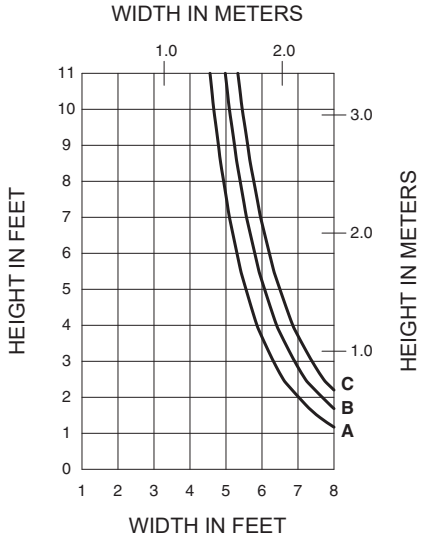
601CG021

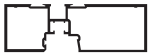


DEADLOAD ON TRANSOM BAR

Height limitations for transom glass over a doorway are based on a 1/16" (1.6) maximum allowable deflection at the mid-point of a transom bar. The accompanying charts are calculated for 1" (25.4) thick insulating glass supported on two setting blocks placed at the loading points shown.

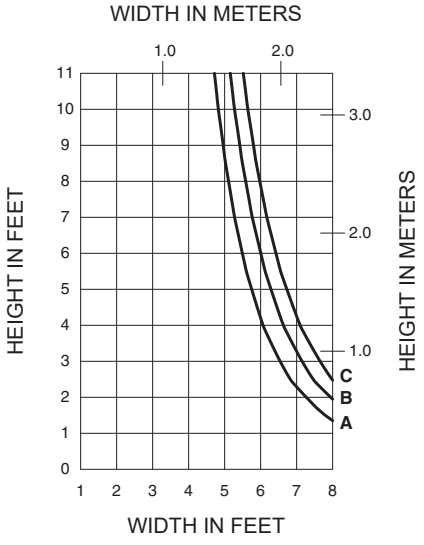
A = (1/4 POINT LOADING)
B = (1/6 POINT LOADING)
C = (1/8 POINT LOADING)



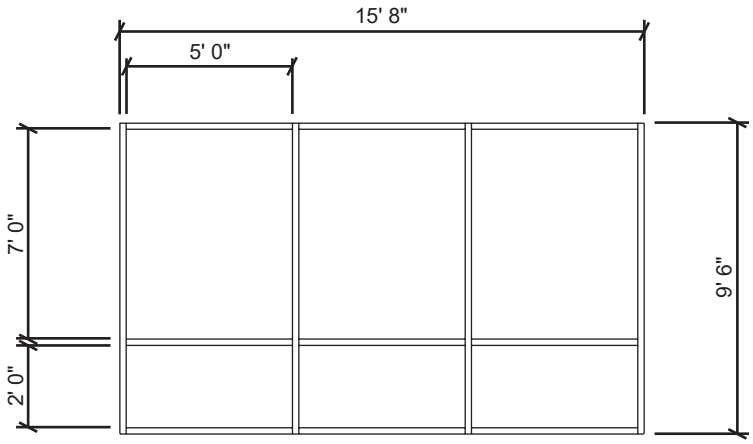


601037
HEADER / T-BAR

601079
C.O.C. HEADER / T-BAR



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



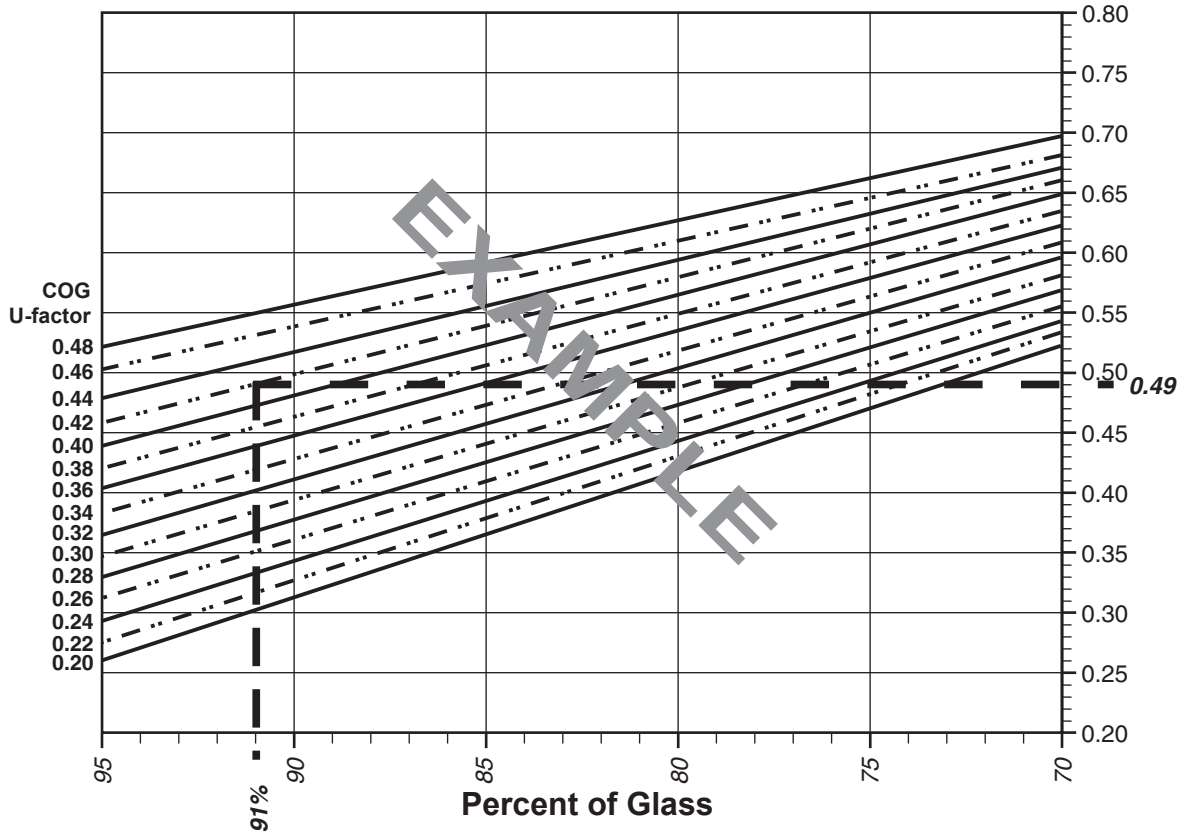
Example Glass U-factor = 0.42 Btu/hr·ft²·°F

Total Daylight Opening = 3(5' x 7') + 3(5' x 2') = 135ft²

Total Projected Area = (Total Daylight Opening + Total Area of Framing System)
= 15' 8" x 9' 6" = 148.83ft²

Percent of Glass = (Total Daylight Opening ÷ Total Projected Area)
= (135 ÷ 148.83)100 = 91%

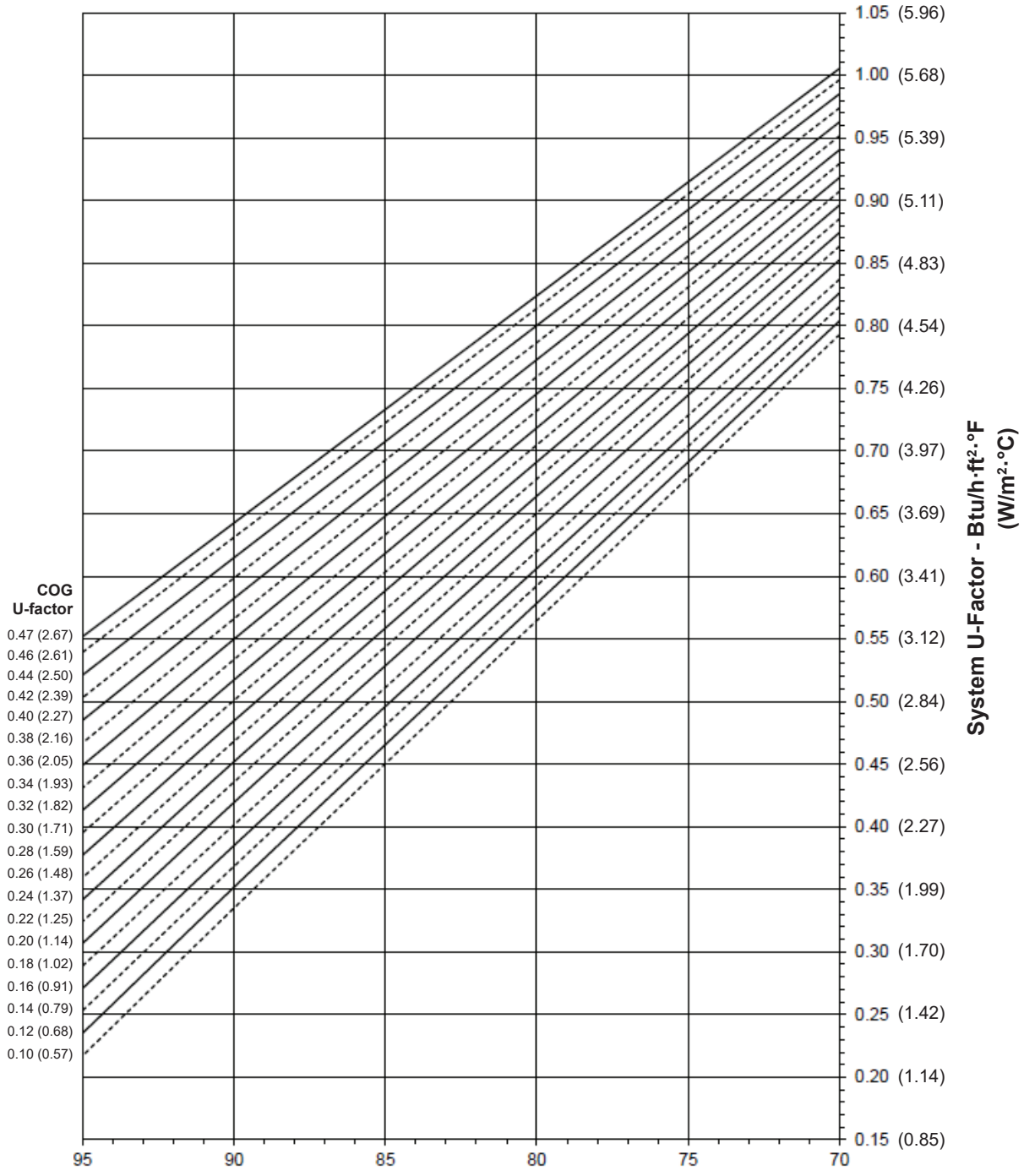
System U-factor vs Percent of Glass Area



Based on 91% glass and center of glass (COG) U-factor of 0.42
System U-factor is equal to 0.49 Btu/hr x ft² x °F

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

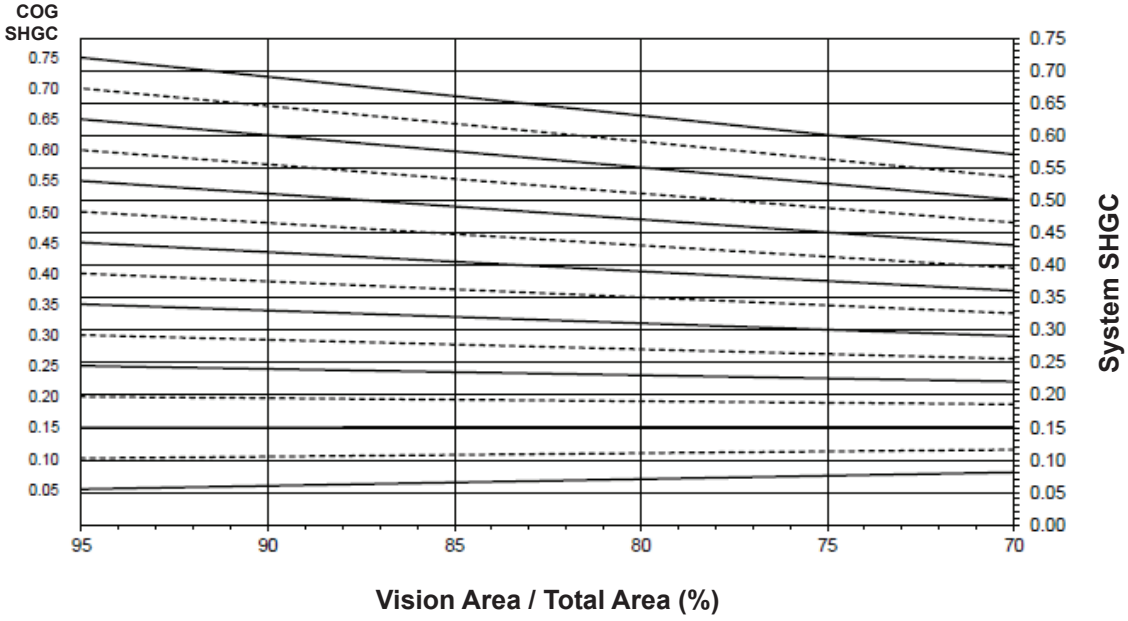
Trifab® VersaGlaze® 601
1" Double Glazed - Aluminum Glazing Spacer
System U-Factor for Vision Glass



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

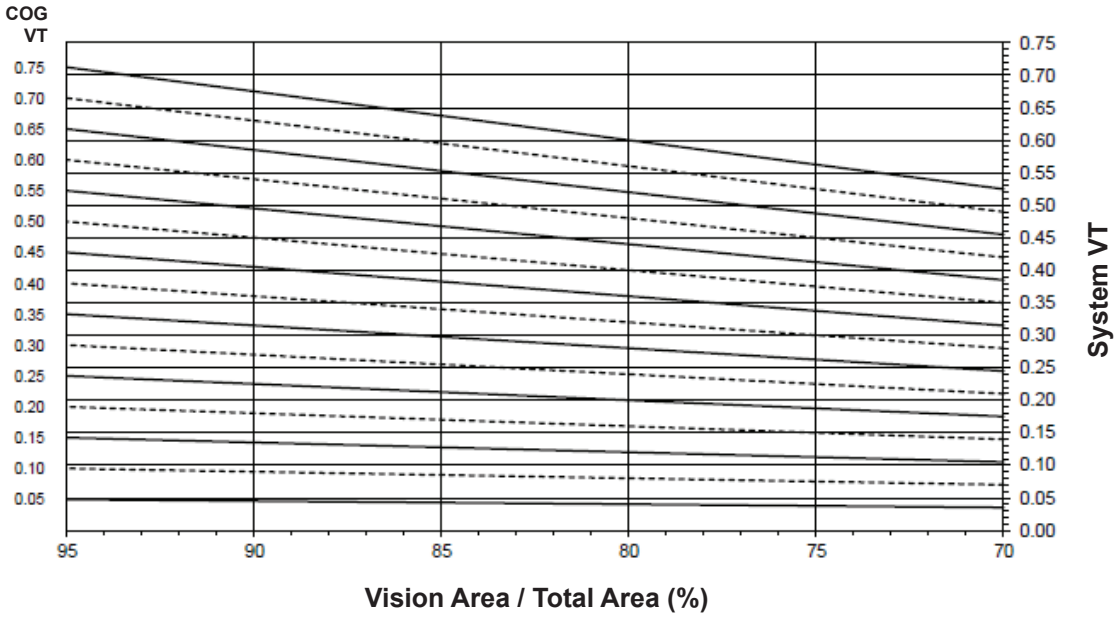
Trifab® VersaGlaze® 601
1" Double Glazed - Aluminum Glazing Spacer

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



Charts are generated per AAMA 507.

System Visible Transmittance (VT) vs Percent of Vision Area



Charts are generated per AAMA 507.

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

Glass U-Factor [3]	Overall U-Factor [4]
0.48	0.68
0.46	0.67
0.44	0.66
0.42	0.64
0.40	0.63
0.38	0.61
0.36	0.59
0.34	0.58
0.32	0.56
0.30	0.55
0.28	0.53
0.26	0.52
0.24	0.50
0.22	0.48
0.20	0.47
0.18	0.45
0.16	0.44
0.14	0.42
0.12	0.40
0.10	0.39

Trifab® VersaGlaze® 601
1" Double Glazed
Aluminum Glazing Spacer

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

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

SHGC Matrix [2]

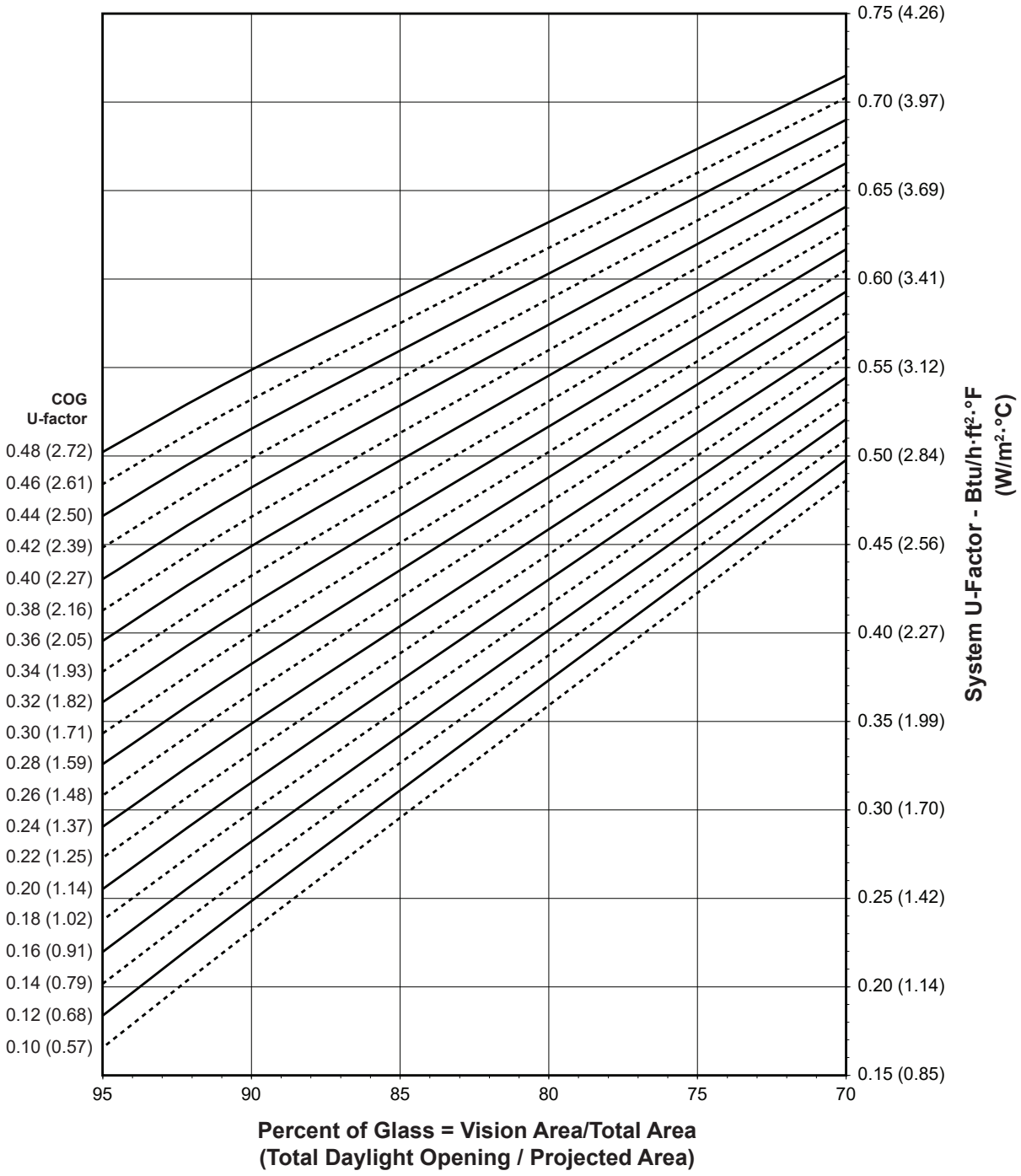
Glass SHGC [3]	Overall SHGC [4]
0.75	0.68
0.70	0.63
0.65	0.59
0.60	0.55
0.55	0.50
0.50	0.46
0.45	0.41
0.40	0.37
0.35	0.33
0.30	0.28
0.25	0.24
0.20	0.19
0.15	0.15
0.10	0.11
0.05	0.06

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

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

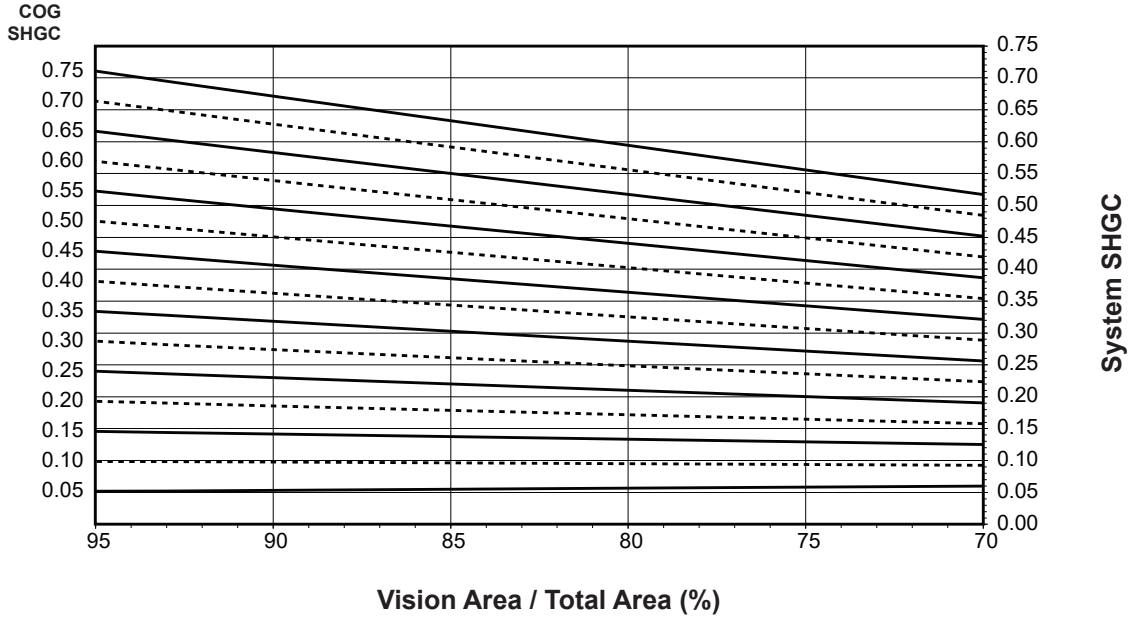
Trifab® VersaGlaze® 601T
1" Double Glazed - Warm-Edge Glazing Spacer
System U-Factor for Vision Glass



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

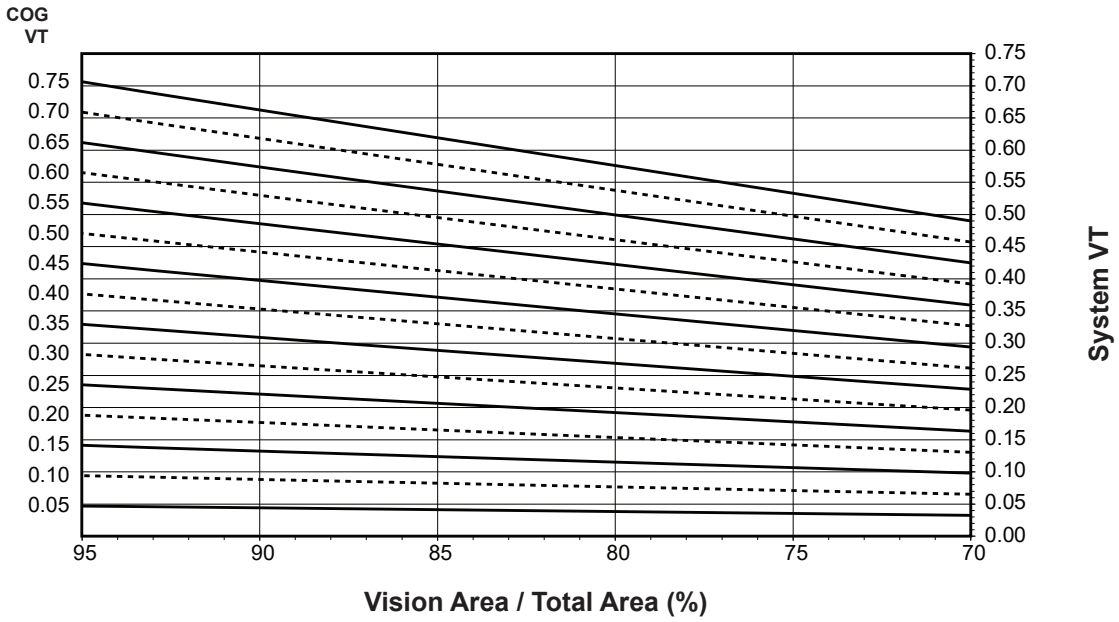
Trifab® VersaGlaze® 601T
1" Double Glazed - Warm-Edge Glazing Spacer

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



Charts are generated per AAMA 507.

System Visible Transmittance (VT) vs Percent of Vision Area



Charts are generated per AAMA 507.

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

Glass U-Factor [3]	Overall U-Factor [4]
0.48	0.55
0.46	0.54
0.44	0.52
0.42	0.50
0.40	0.49
0.38	0.47
0.36	0.45
0.34	0.44
0.32	0.42
0.30	0.40
0.28	0.39
0.26	0.37
0.24	0.35
0.22	0.34
0.20	0.32
0.18	0.30
0.16	0.29
0.14	0.27
0.12	0.25
0.10	0.24

Trifab® VersaGlaze® 601T 1" Double Glazed Warm-Edge Glazing Spacer

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

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

SHGC Matrix [2]

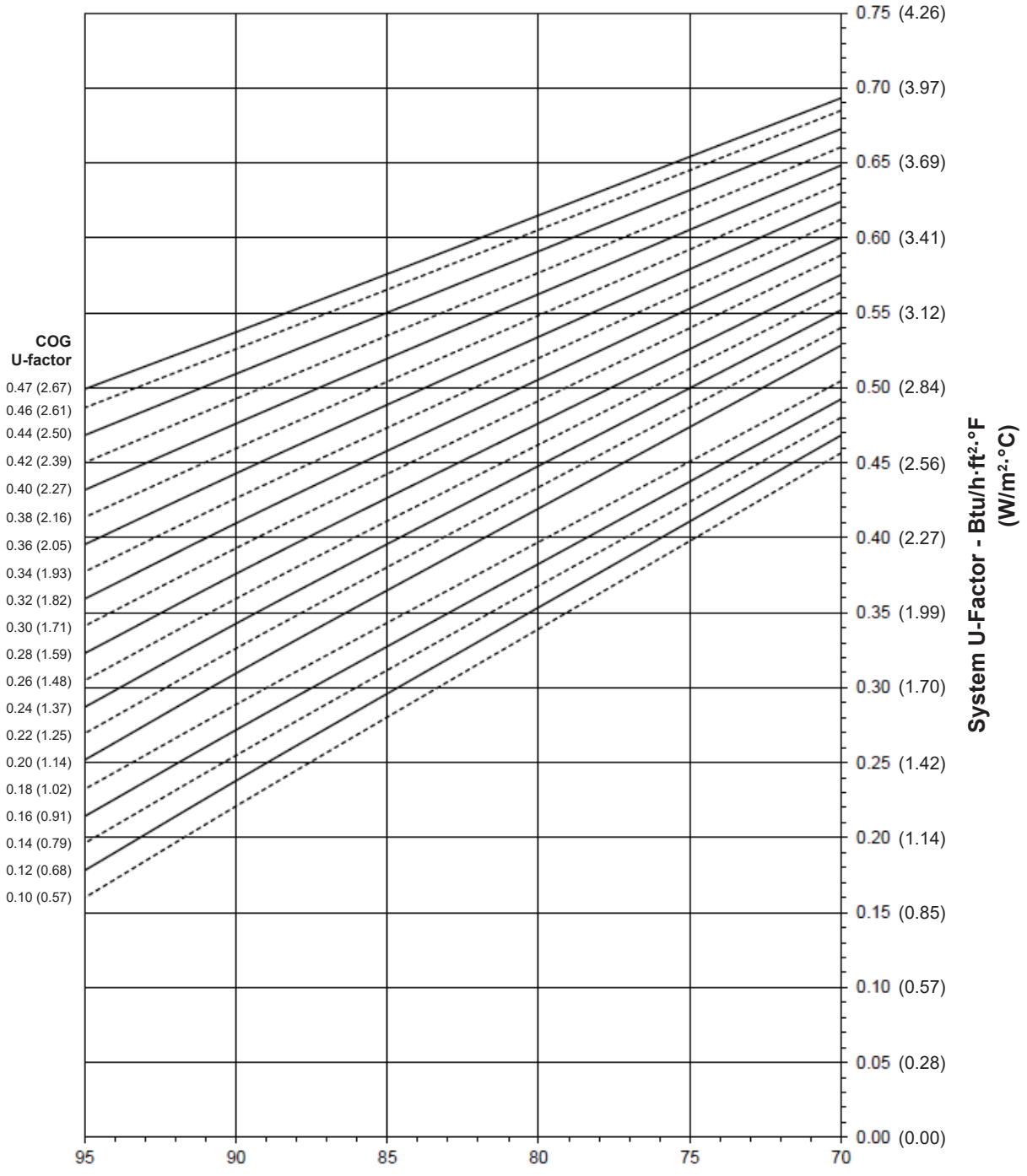
Glass SHGC [3]	Overall SHGC [4]
0.75	0.67
0.70	0.62
0.65	0.58
0.60	0.54
0.55	0.49
0.50	0.45
0.45	0.40
0.40	0.36
0.35	0.32
0.30	0.27
0.25	0.23
0.20	0.19
0.15	0.14
0.10	0.10
0.05	0.05

Visible Transmittance [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

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

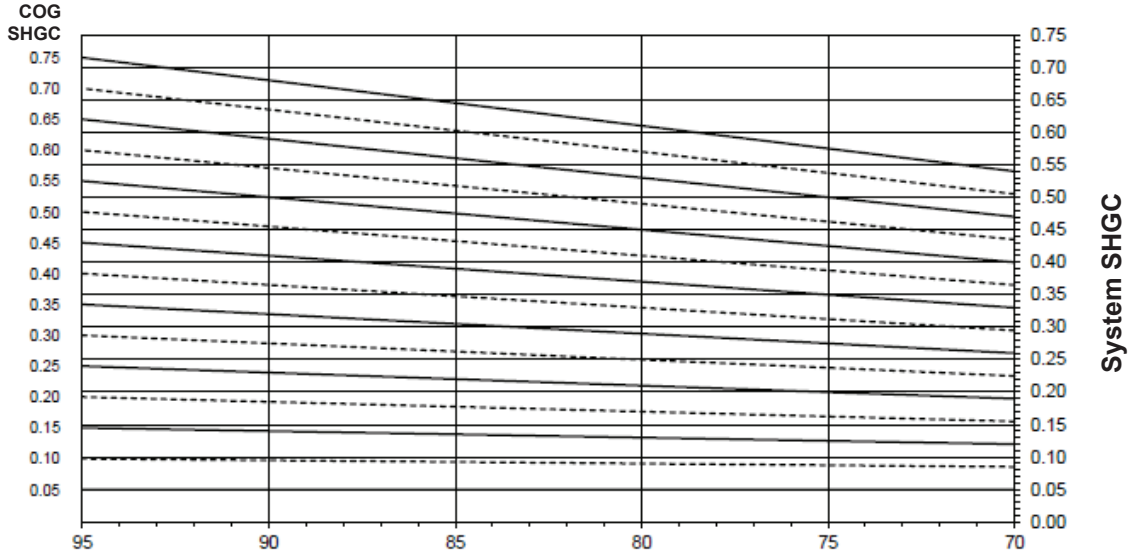
Trifab® VersaGlaze® 601T
1" Double Glazed - Aluminum Glazing Spacer
System U-Factor for Vision Glass



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

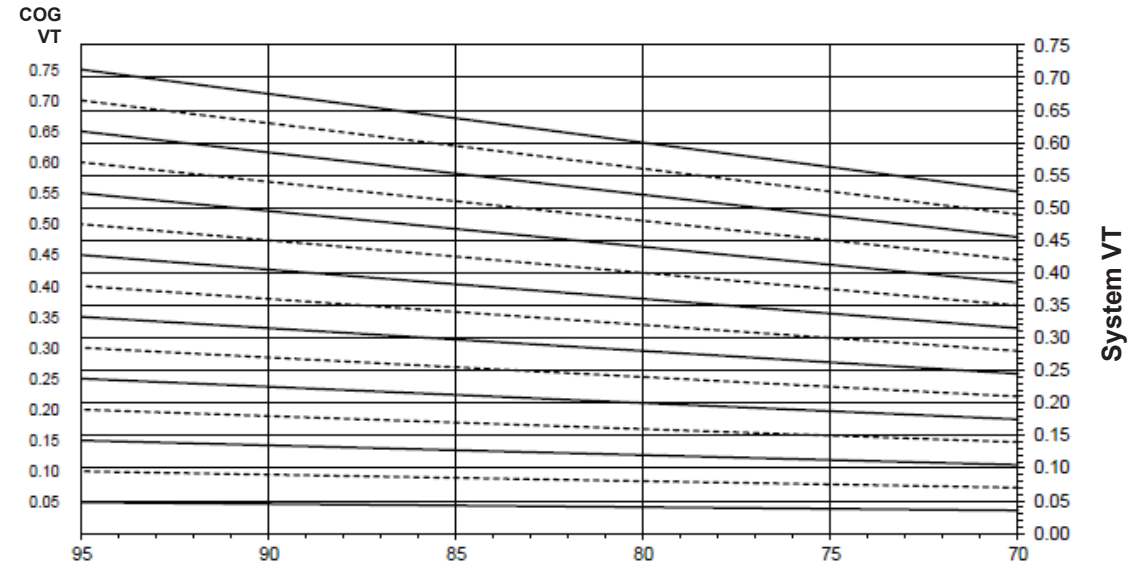
Trifab® VersaGlaze® 601T
1" Double Glazed - Aluminum Glazing Spacer

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



Charts are generated per AAMA 507.

System Visible Transmittance (VT) vs Percent of Vision Area



Charts are generated per AAMA 507.

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

Glass U-Factor [3]	Overall U-Factor [4]
0.48	0.55
0.46	0.54
0.44	0.53
0.42	0.51
0.40	0.50
0.38	0.48
0.36	0.46
0.34	0.45
0.32	0.43
0.30	0.42
0.28	0.40
0.26	0.38
0.24	0.37
0.22	0.35
0.20	0.34
0.18	0.31
0.16	0.30
0.14	0.28
0.12	0.26
0.10	0.25

Trifab® VersaGlaze® 601T 1" Double Glazed Aluminum Glazing Spacer

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

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

SHGC Matrix [2]

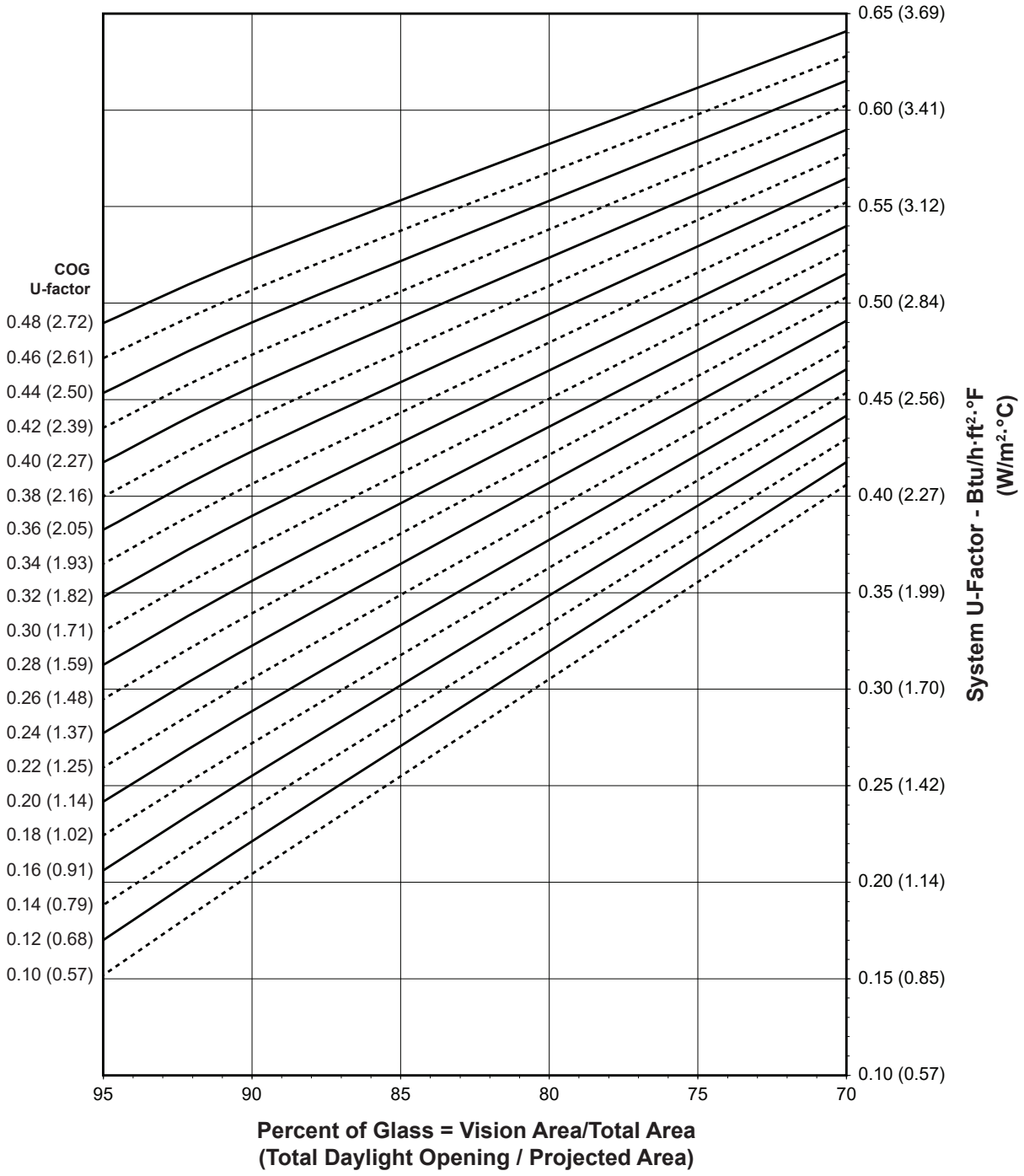
Glass SHGC [3]	Overall SHGC [4]
0.75	0.66
0.70	0.62
0.65	0.58
0.60	0.53
0.55	0.49
0.50	0.44
0.45	0.40
0.40	0.36
0.35	0.31
0.30	0.27
0.25	0.23
0.20	0.18
0.15	0.14
0.10	0.09
0.05	0.05

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

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

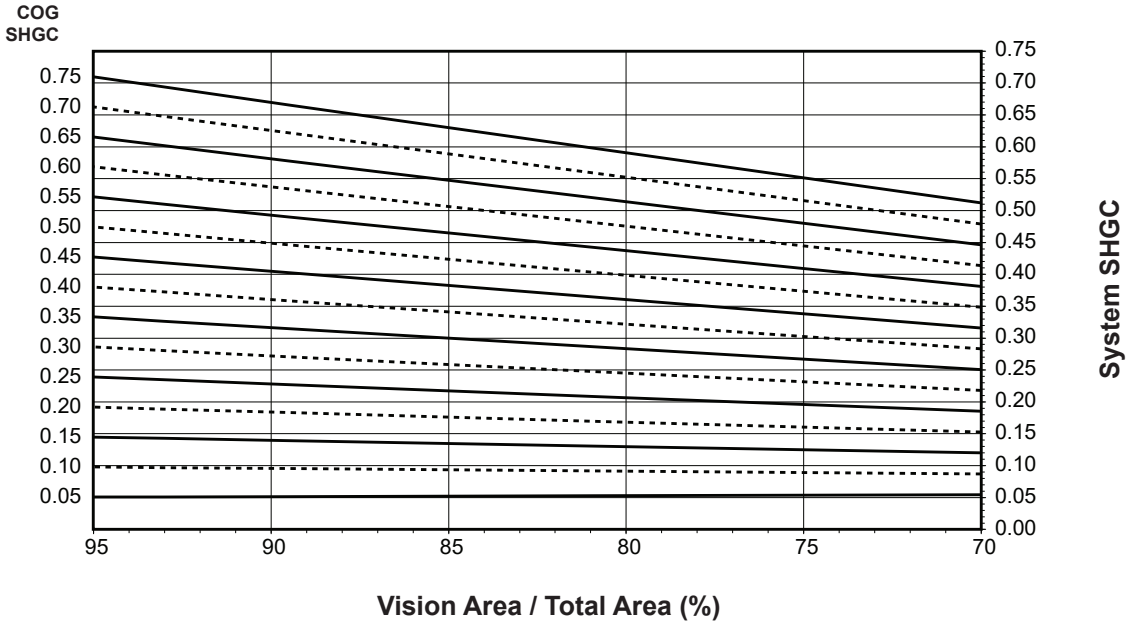
Trifab® VersaGlaze® 601UT
1" Double Glazed - Warm-Edge Glazing Spacer
System U-Factor for Vision Glass



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

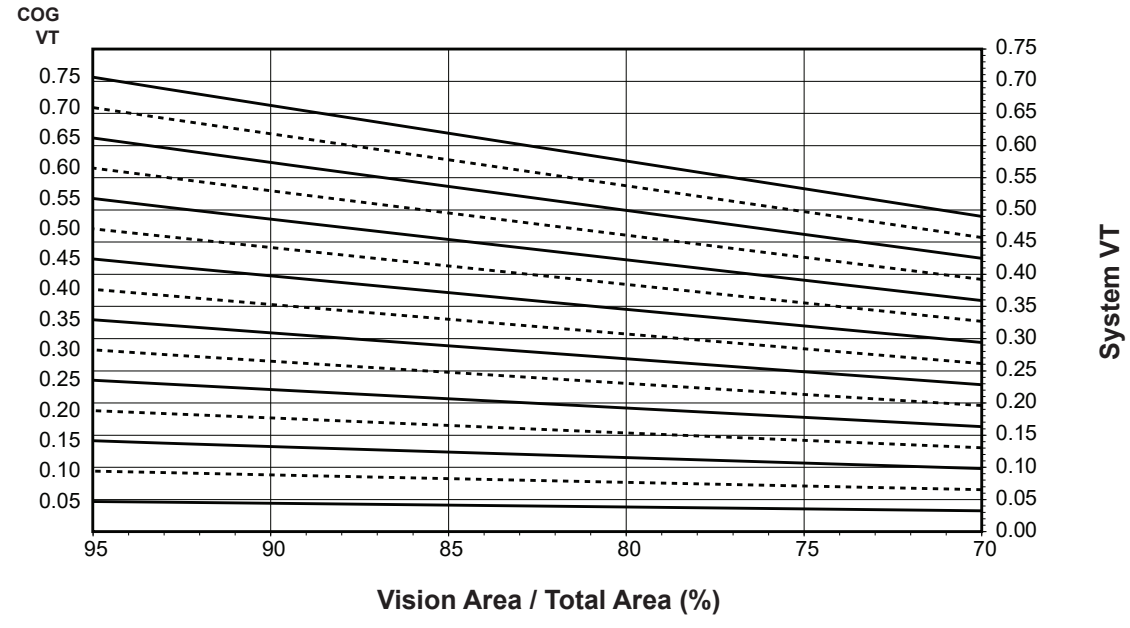
Trifab® VersaGlaze® 601UT
1" Double Glazed - Warm-Edge Glazing Spacer

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



Charts are generated per AAMA 507.

System Visible Transmittance (VT) vs Percent of Vision Area



Charts are generated per AAMA 507.

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	0.49
0.42	0.48
0.40	0.46
0.38	0.44
0.36	0.43
0.34	0.41
0.32	0.39
0.30	0.38
0.28	0.36
0.26	0.34
0.24	0.33
0.22	0.31
0.20	0.29
0.18	0.28
0.16	0.26
0.14	0.24
0.12	0.23
0.10	0.21

Trifab® VersaGlaze® 601UT 1" Double Glazed Warm-Edge Glazing Spacer

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

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

SHGC Matrix [2]

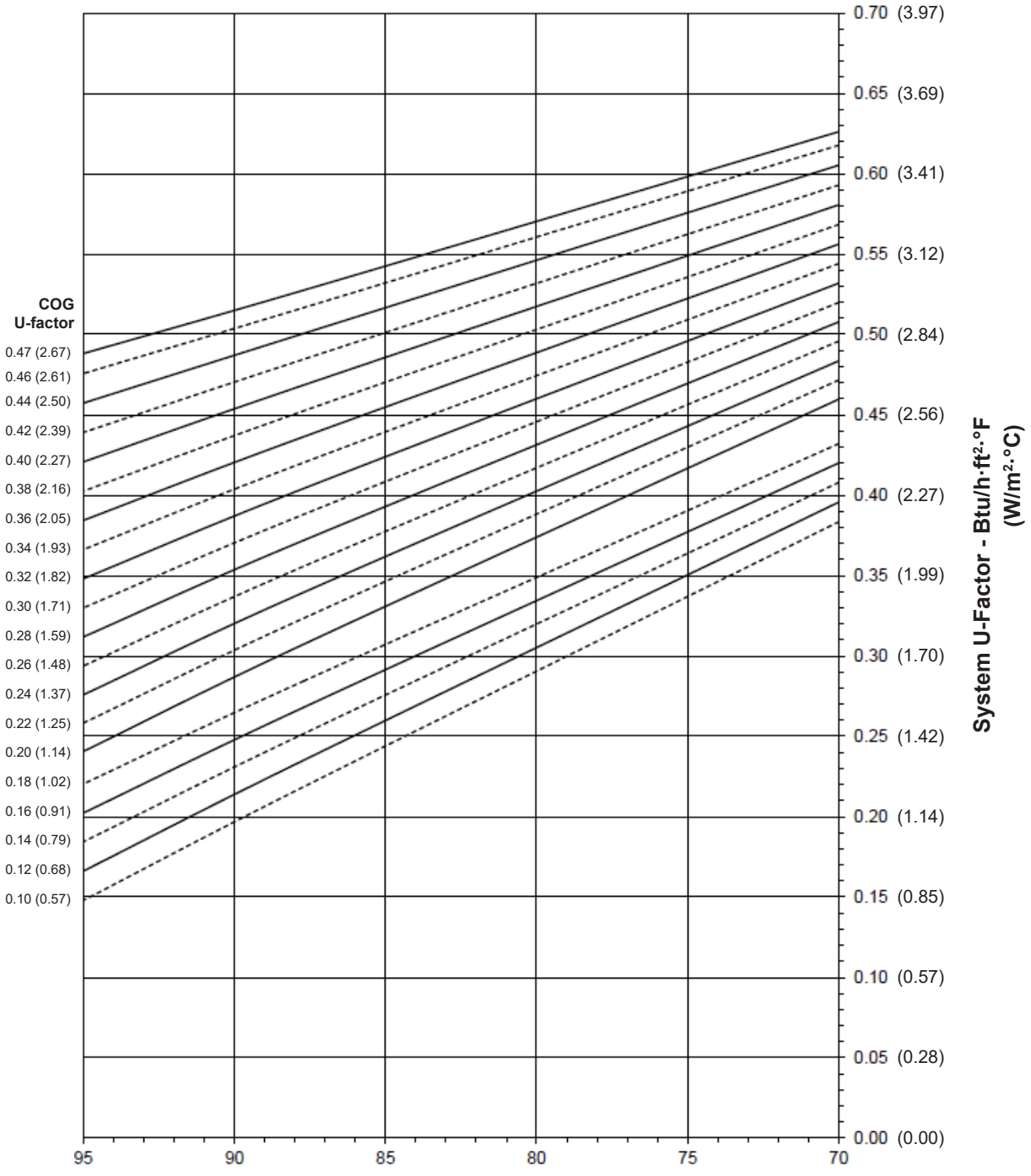
Glass SHGC [3]	Overall SHGC [4]
0.75	0.67
0.70	0.62
0.65	0.58
0.60	0.53
0.55	0.49
0.50	0.45
0.45	0.40
0.40	0.36
0.35	0.31
0.30	0.27
0.25	0.23
0.20	0.18
0.15	0.14
0.10	0.10
0.05	0.05

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

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

Trifab® VersaGlaze® 601UT
1" Double Glazed - Aluminum Glazing Spacer
System U-Factor for Vision Glass

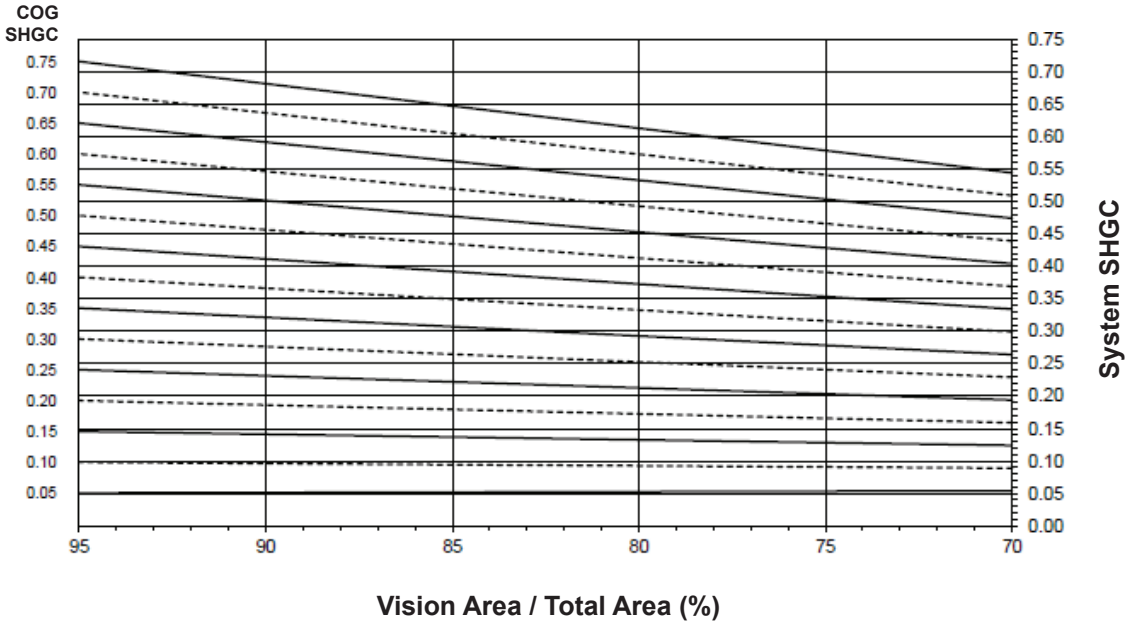


Percent of Glass = Vision Area/Total Area
(Total Daylight Opening / Projected Area)

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.

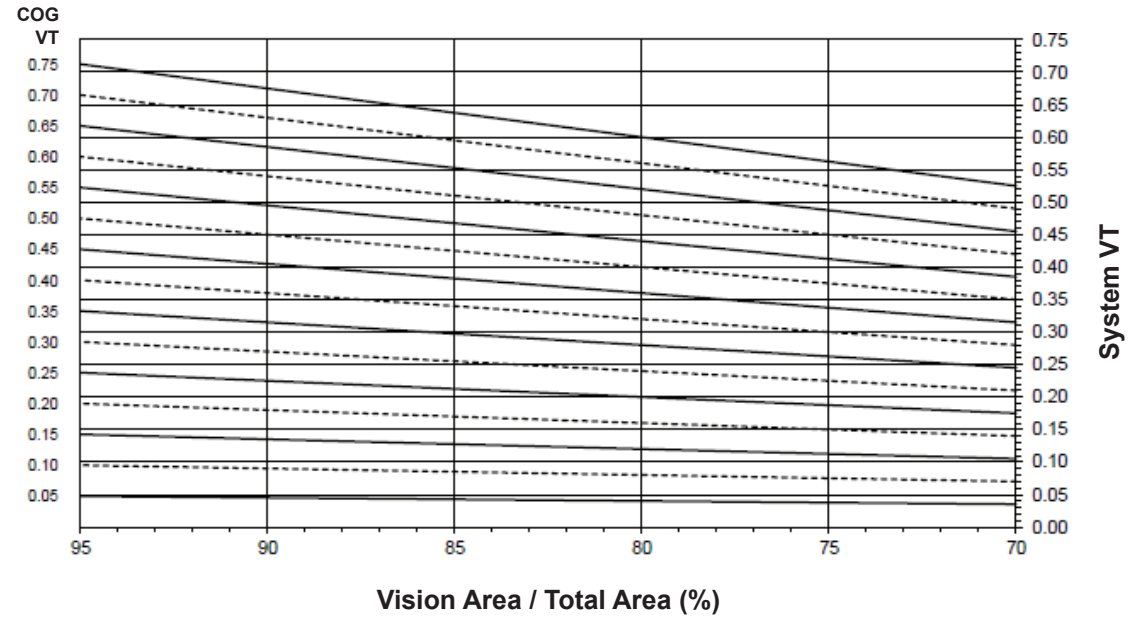
Trifab® VersaGlaze® 601UT
1" Double Glazed - Aluminum Glazing Spacer

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



Charts are generated per AAMA 507.

System Visible Transmittance (VT) vs Percent of Vision Area



Charts are generated per AAMA 507.

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

Glass U-Factor [3]	Overall U-Factor [4]
0.48	0.53
0.46	0.52
0.44	0.50
0.42	0.48
0.40	0.47
0.38	0.45
0.36	0.44
0.34	0.42
0.32	0.40
0.30	0.39
0.28	0.37
0.26	0.36
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	0.24
0.10	0.22

Trifab® VersaGlaze® 601UT 1" Double Glazed Aluminum Glazing Spacer

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

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

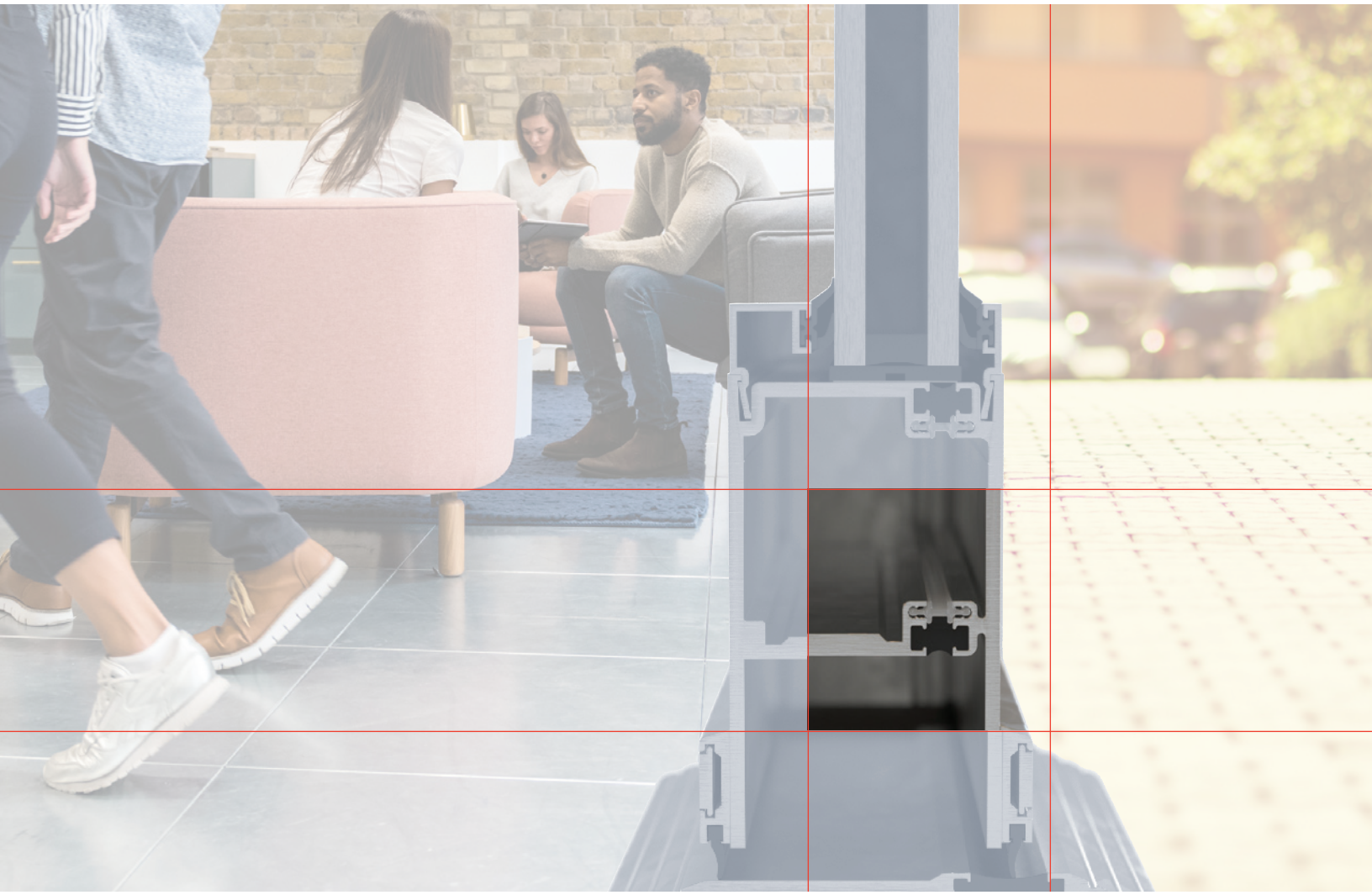
SHGC Matrix [2]

Glass SHGC [3]	Overall SHGC [4]
0.75	0.67
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	0.10
0.05	0.05

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

Redefining Thermal Entrances with IsoPour™ Technology



Ask more from your door, and get it all with Kawneer's new Insulpour® Thermal Entrances, featuring IsoPour™ technology. This innovative product offering gives architects, developers, owners, and glazing contractors the ability to create a true thermally broken entrance system. It's an ideal solution for high-end commercial and multifamily facilities looking to improve thermal control in common areas with moderate to high traffic.

By merging industry-proven pour and debridge and polymer isolator technologies, Kawneer's IsoPour™ Thermal Break technology creates thermally broken assemblies for enhanced building energy efficiencies with higher structural performance. Insulpour® Thermal Entrances simultaneously provide additional design flexibility through multiple door cross-rail and bottom rail choices along with dual finish capabilities for the door and door frame.

PERFORMANCE, STRENGTH & SECURITY

The door and frame both leverage IsoPour™ Thermal Break technology, enabling high thermal performance. Specifically aimed at quelling concerns about cold spots and thermal bridging from architects and specifiers, Insulpour® Thermal Entrances feature a true thermally broken door header, which significantly mitigates the formation of condensation when used with a concealed overhead closer. Insulating glass unit options of double pane 1" (25.4 mm) or triple pane 1-1/2" (38.1 mm) improve thermal and sound reduction performance.

For added strength, the 2-1/4" (57.2 mm) deep door has a stout 1/8" (3.2 mm) wall thickness, and the dual-welded corner construction of Insulpour® Thermal Entrances adds long-term performance. Each door corner comes with a limited lifetime warranty, good for the life of the door under normal use operation. It is transferable from building owner to owner and is provided in addition to the standard two-year warranty covering material and workmanship of each Kawneer door.

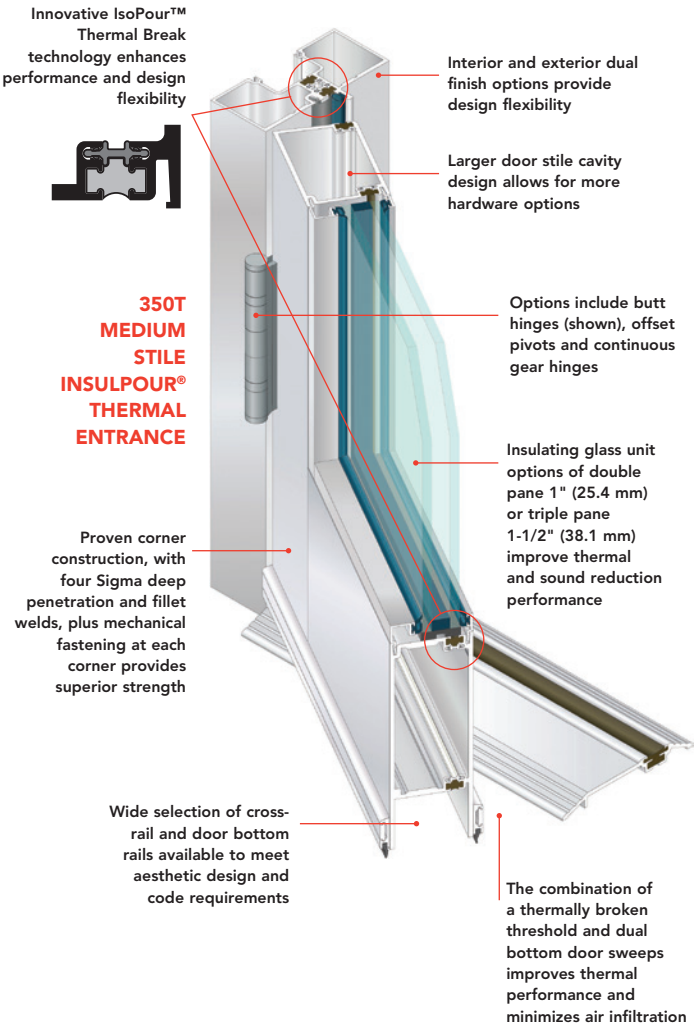
Insulpour® Thermal Entrances meet ASTM E1996 hurricane impact resistant requirements up to Zone 4 and Level D, and have undergone shock tube testing for blast mitigation. Contact your local Kawneer sales representative for limitations and specific application requirements.

AESTHETICS & DESIGN FLEXIBILITY

With sightlines that match standard, non-thermally broken entrances, Insulpour® Thermal Entrances offer 250T narrow, 350T medium and 500T wide stile options.

	VERTICAL STILE	TOP	BOTTOM RAIL
250T Narrow Stile	2-1/2" (63.5 mm)	2-15/16" (74.6 mm)	3-7/8" (98.4 mm)
350T Medium Stile	3-1/2" (88.9 mm)	3-1/2" (88.9 mm)	6-1/2" (165.1 mm)
500T Wide Stile	5" (127 mm)	5" (127 mm)	6-1/2" (165.1 mm)

The unique thermal break design allows for a wider choice of locking option hardware than previous thermal entrance designs. Coupled with various cross-rail sizes and multiple bottom rail heights of 7-1/2" (190.5 mm), 10" (254 mm) and 12" (304.8 mm), Insulpour® Thermal Entrances give architects, designers and building owners more opportunities to bring their vision to life.



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KAWNEER

ARCHITECTURAL SYSTEMS | ENTRANCES + FRAMING | CURTAIN WALLS | WINDOWS

Town of Herndon, Virginia
Notice of Public Hearing

Notice is hereby given that the **Historic District Review Board** (HDRB) of the Town of Herndon, Virginia, will hold a public hearing on Wednesday, June 18, 2025, at 7:00 p.m. in the Herndon Council Chambers Building, located at 765 Lynn Street, Herndon on the following item:

APPLICATION FOR AN ALTERATION TO AN EXISTING STRUCTURE, HDRB #25-002, to consider an application for a Certificate of Appropriateness for alterations to a civic building located at 777 Lynn Street, Herndon, Virginia, located on the west side of Lynn Street, at the intersection with Center Street. The subject property is further identified as Fairfax County Tax Map 0162 02 0301A, is zoned CC, Central Commercial, and consists of 104,889 square feet of land. Applicant: The Town of Herndon. Property Owner: The Town of Herndon.

The public is encouraged to participate in the town's public hearing process. Individuals having an interest in the above item are invited to attend the public hearing and state their opinions and may also submit comments to hdrb.arb@herndon-va.gov.

The proposed item is available for examination at the Department of Community Development, 777 Lynn Street, Herndon, during normal business hours (Monday – Friday) and available for review by the public on the town's website www.herndon-va.gov.

The Town of Herndon supports the Americans with Disabilities Act by making reasonable accommodations for persons with disabilities so that they may participate in services, programs, or activities, offered by the town. Please call (703) 435-6804 to arrange for any accommodation that may be necessary to allow participation.

Amanda Morrow Kertz, Acting Town Clerk

Note to Publisher:
Publish on May 30/June 6, 2025