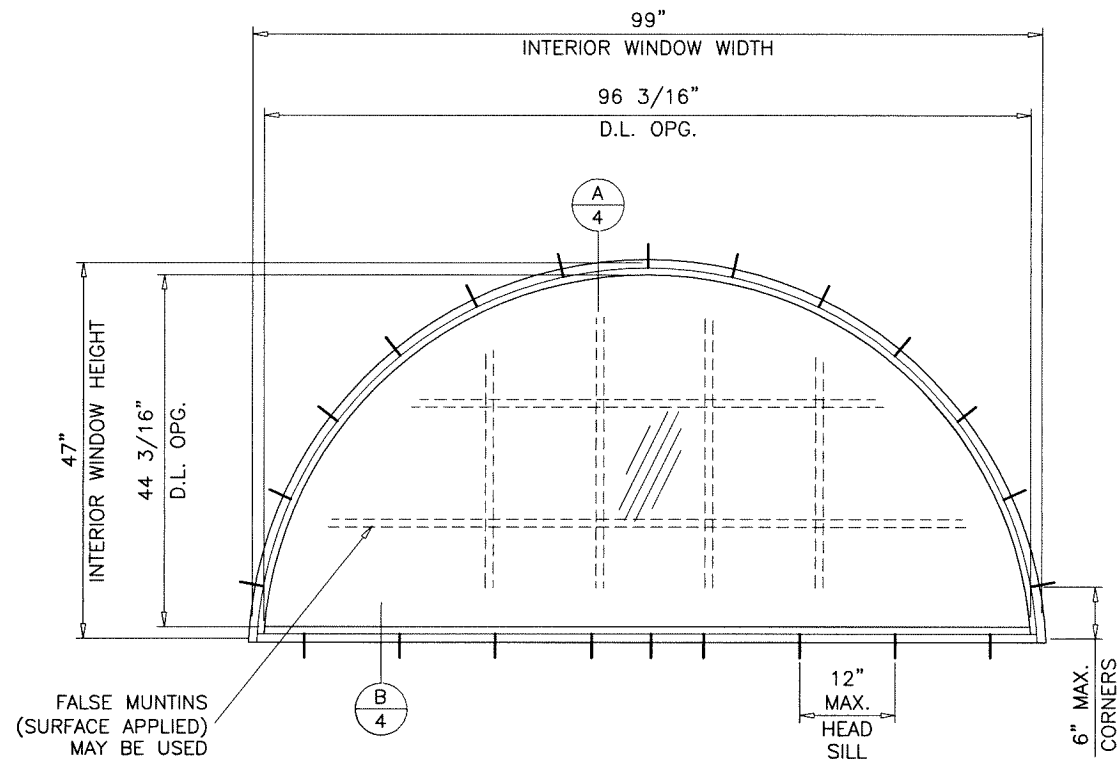
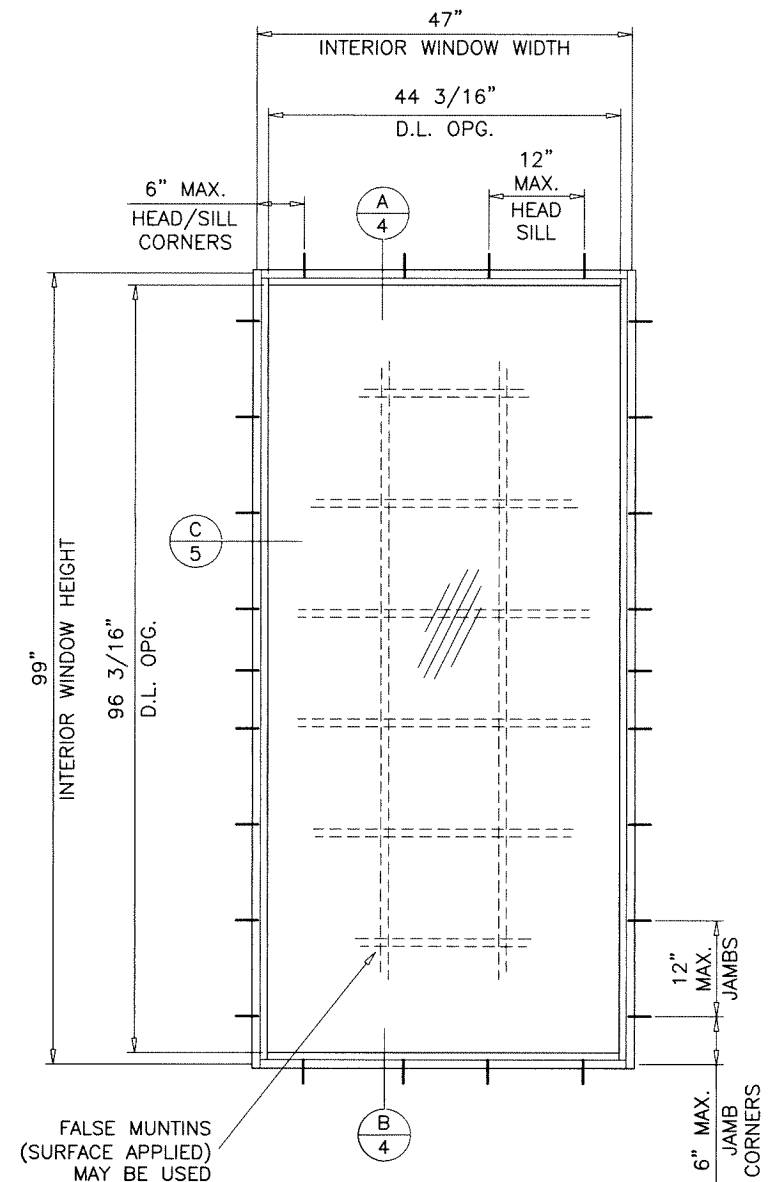




TYPICAL ELEVATIONS
TESTED UNITS



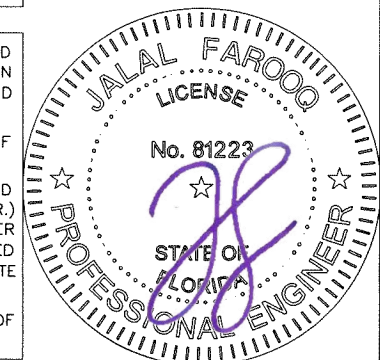
DAYLITE OPENINGS:
D.L.O. HEIGHT = INT. WINDOW HEIGHT - 2.860"
D.L.O. WIDTH = INT. WINDOW WIDTH - 2.860"

Sealed: 8/17/2026

FASTENERS AND CONNECTORS (AS APPLICABLE) SHOWN IN THIS APPROVAL MAY NOT MEET CORROSION RESISTANCE REQUIREMENTS FOR COASTAL OR SALT WATER EXPOSURE ZONES. COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.

THESE WINDOWS ARE RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.

- A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
- B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- C- SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D. ENGINEER OF RECORD, ACTING AS A DELEGATED ENGINEER TO THE P.E.D. ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- D- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.



SERIES-100FW ALUMINUM FIXED WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS PER CHARTS SHOWN ON SHEETS 2 & 3.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE COMBINATIONS OF FIX./FIX. OR FIXED WITH OTHER WINDOW TYPES IN MODULES OF TWO OR MORE WINDOWS USING F.B.C. APPROVED MULLIONS IN BETWEEN.

LOWER DESIGN PRESSURE FROM WINDOWS OR MULLION APPROVAL WILL APPLY TO ENTIRE SYSTEM.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2023 (8TH EDITION)/2026 (9TH EDITION) FLORIDA BUILDING CODE INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).

1BY OR 2BY WOOD BUCKS & BUCK FASTENERS BY OTHERS, MUST BE DESIGNED AND INSTALLED ADEQUATELY TO TRANSFER APPLIED PRODUCT LOADS TO THE BUILDING STRUCTURE.

ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.

ALL SHIMS TO BE LOAD-BEARING, (HIGH DENSITY PLASTIC/COMPOSITE, METAL OR OTHER RIGID MATERIALS).

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023/2026 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC. CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.

afC
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MIAMI, FLORIDA 33173 (C.A.N. 3538)
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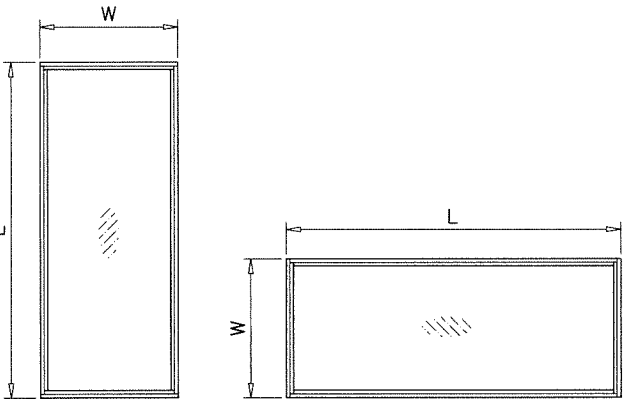
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A	12.10.19	GLASS TYPE 'C' ADDED
B	07.01.23	UPDATED TO 2023 FBC
C	10.05.23	MANUF. ADDRESS REVISED
D	08.14.26	UPDATED TO 2026 FBC

revisions: 08-16-19
date: 08-16-19
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dr. by: TARIQ
chk. by:

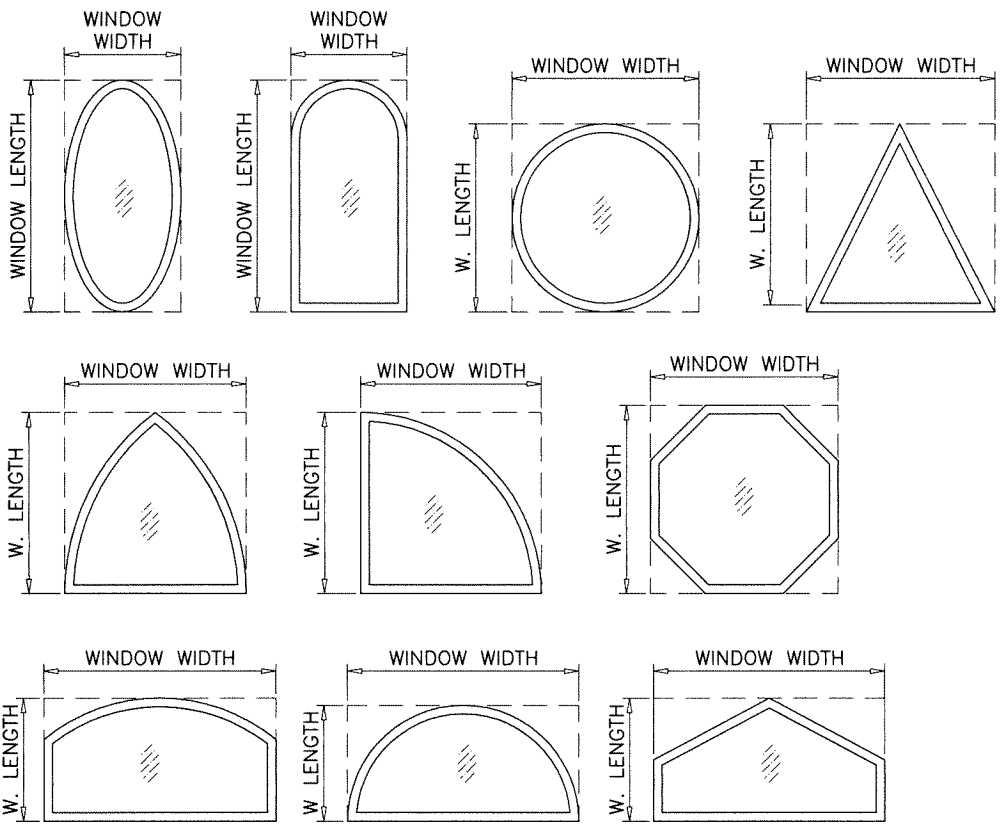
drawing no.
19-86F
sheet 1 of 6

DESIGN LOAD CAPACITY - PSF			
INTERIOR FRAME DIMS.		GLASS TYPES 'A' & 'Ai'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
18-1/8"	25"	70.0	70.0
25-1/2"		70.0	70.0
36"		70.0	70.0
52-1/8"		70.0	70.0
18-1/8"	37-3/8"	70.0	70.0
25-1/2"		70.0	70.0
36"		68.5	68.5
52-1/8"		66.0	66.0
18-1/8"	49-5/8"	70.0	70.0
25-1/2"		70.0	70.0
36"		68.5	68.5
18-1/8"		70.0	70.0
25-1/2"	55"	70.0	70.0
36"		68.5	68.5
18-1/8"	62"	70.0	70.0
25-1/2"		70.0	70.0
18-1/8"	71"	70.0	70.0
25-1/2"		70.0	70.0
18-1/8"	75"	70.0	70.0
25-1/2"		70.0	70.0

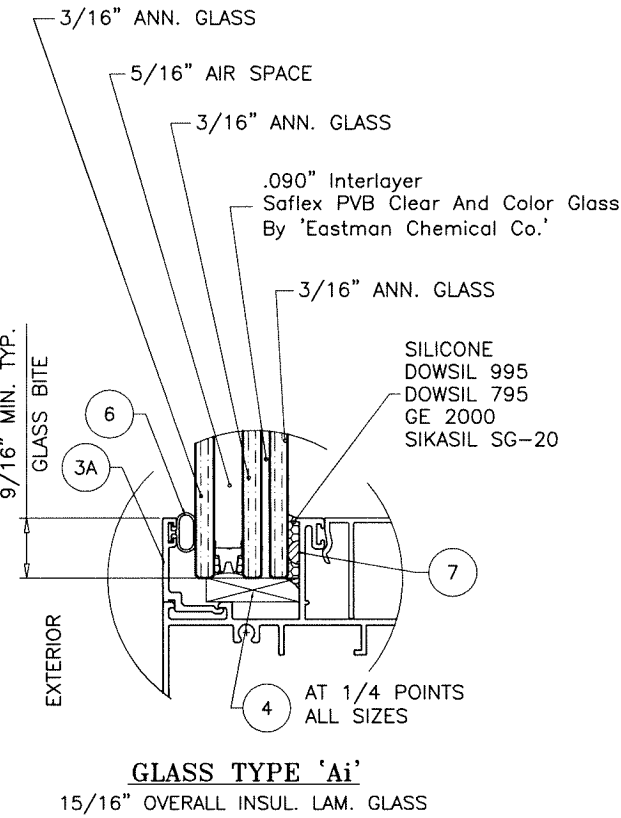
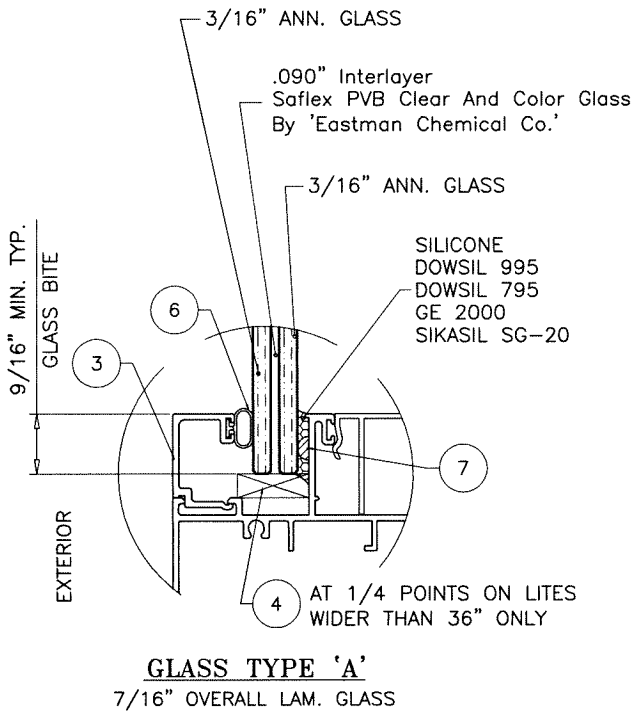
DESIGN LOAD CAPACITY - PSF			
INTERIOR FRAME DIMS.		GLASS TYPES 'A' & 'Ai'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
23"	47"	70.0	70.0
29"		70.0	70.0
35-1/4"		70.0	70.0
41"		60.2	60.2
23"	59"	70.0	70.0
29"		70.0	70.0
23"	62"	70.0	70.0
29"		70.0	70.0
23"	71"	70.0	70.0
23"		70.0	70.0



NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE
ORIENTED VERTICALLY OR HORIZONTALLY
AS SHOWN ABOVE.



ALLOWABLE LOADS FOR ALTERNATE SHAPES AS SHOWN ABOVE OR SIMILAR CAN BE
VERIFIED BY INSCRIBING PICTURE WINDOW SHAPE WITHIN SQUARE OR RECTANGLE AS
SHOWN IN DOTTED LINES AND OBTAINING ALLOWABLE LOADS FROM THOSE SHAPES.



NOTE:
EXTERIOR LITE OF GLASS TYPE 'Ai' TO BE TEMPERED
FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

Sealed: 8/17/2026



FL #30354

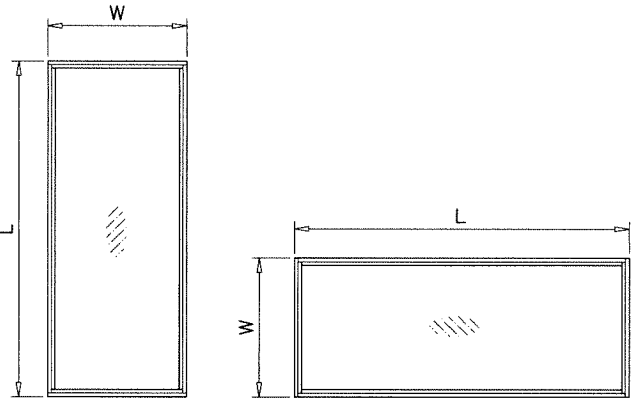
af c
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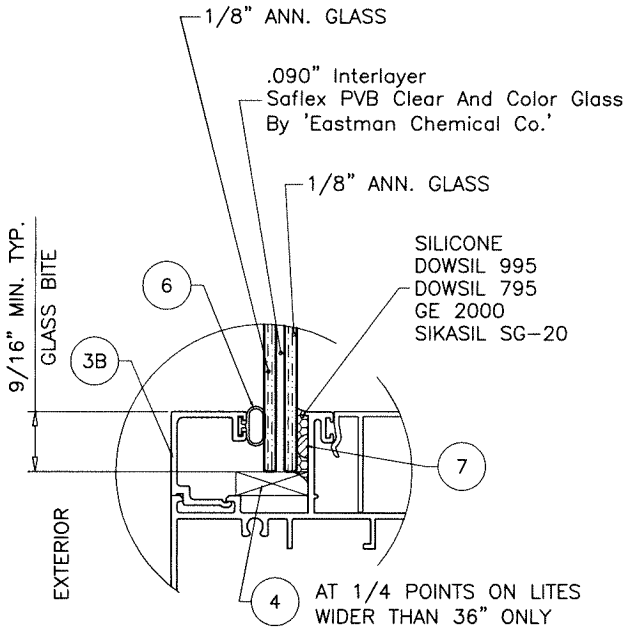
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dr. by: TARIQ
chk. by:
drawing no.
19-86F
sheet 2 of 6

DESIGN LOAD CAPACITY - PSF			
INTERIOR FRAME DIMS.		GLASS TYPE 'C'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
18-1/8"	25"	55.0	55.0
25-1/2"		55.0	55.0
36"		55.0	55.0
52-1/8"		55.0	55.0
18-1/8"	37-3/8"	55.0	55.0
25-1/2"		55.0	55.0
36"		55.0	55.0
52-1/8"	49-5/8"	55.0	55.0
18-1/8"		55.0	55.0
25-1/2"		55.0	55.0
36"	55"	55.0	55.0
18-1/8"		55.0	55.0
25-1/2"		55.0	55.0
36"	62"	55.0	55.0
18-1/8"		55.0	55.0
25-1/2"	71"	55.0	55.0
18-1/8"		55.0	55.0
25-1/2"	75"	55.0	55.0
18-1/8"		55.0	55.0

DESIGN LOAD CAPACITY - PSF			
INTERIOR FRAME DIMS.		GLASS TYPE 'C'	
WIDTH	HEIGHT	EXT.(+)	INT.(-)
23"	47"	55.0	55.0
29"		55.0	55.0
31"		55.0	55.0
35"		55.0	55.0
41"		55.0	55.0
23"	59"	55.0	55.0
29"		55.0	55.0
23"	62"	55.0	55.0
29"		55.0	55.0
23"	71"	55.0	55.0
23"	83"	55.0	55.0



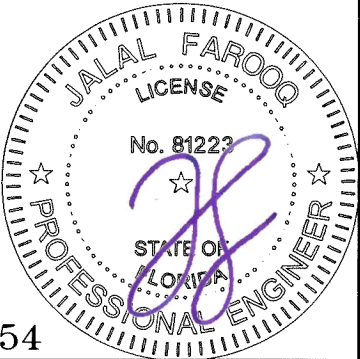
NOTE:
WIDTH AND LENGTH DIMENSIONS CAN BE
ORIENTED VERTICALLY OR HORIZONTALLY
AS SHOWN ABOVE.



GLASS TYPE 'C'
5/16" OVERALL LAM. GLASS

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-16 (3 SEC. GUSTS).

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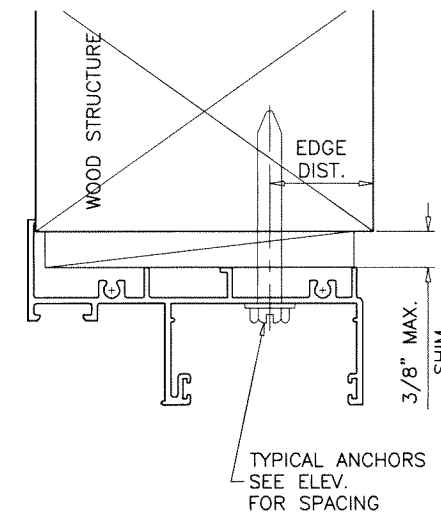
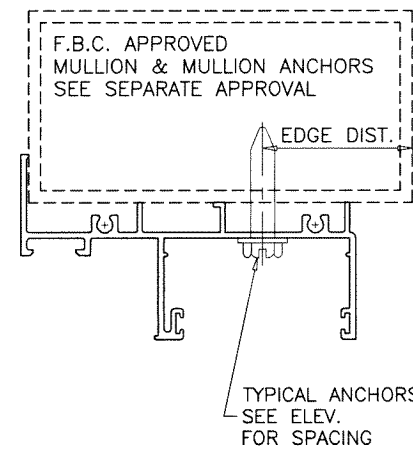
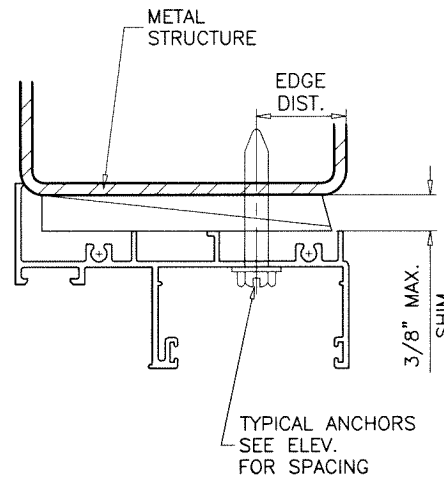
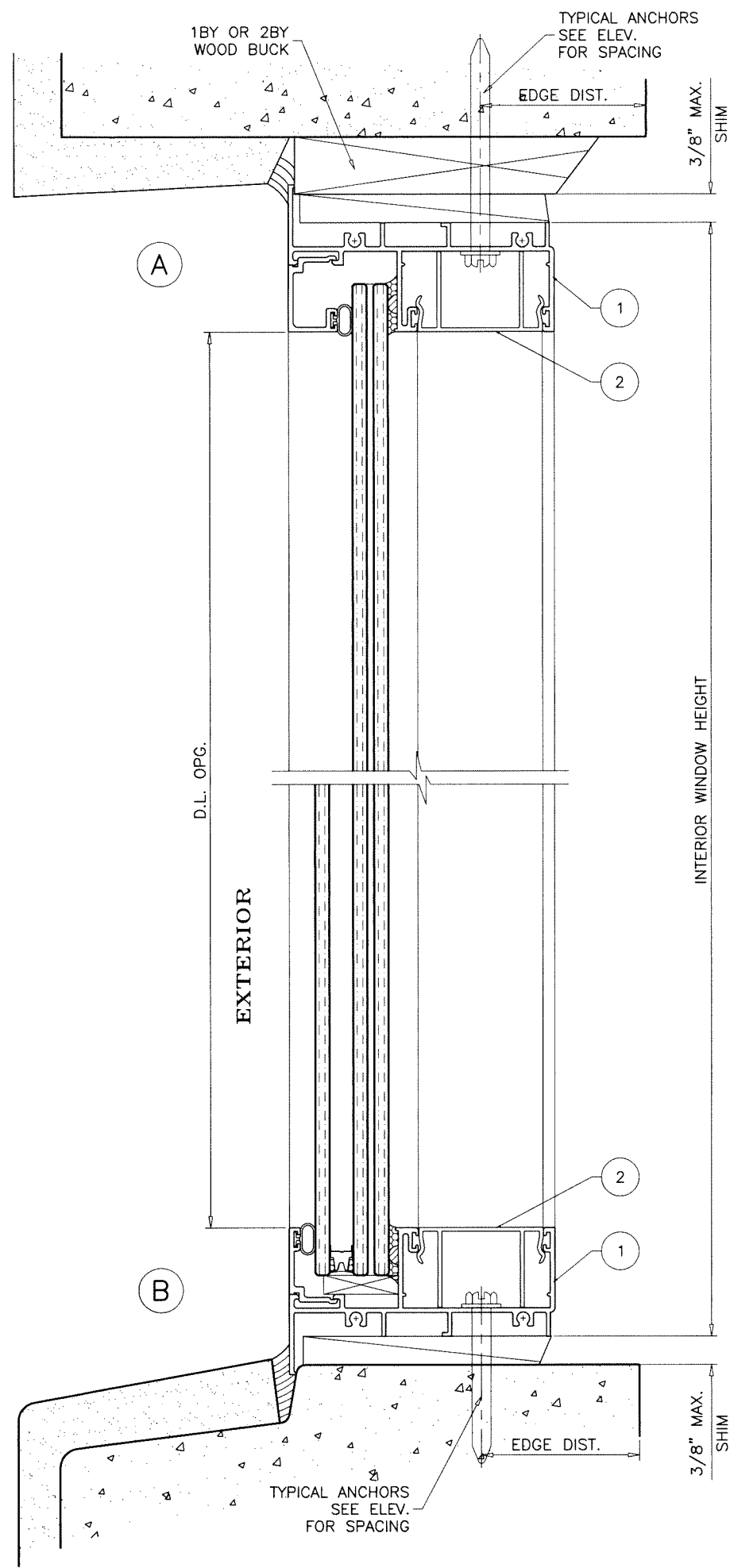
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dr. by: TARIQ
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19-86F
sheet **3** of **6**



WOOD BUCKS AND METAL STRUCTURE NOT BY 'AMERICA'S BEST' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)

INTO WOOD STRUCTURES

2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)

THRU 1BY OR 2BY WOOD BUCKS INTO CONC. OR BLOCKS

1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)

1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS

2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)

2" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

1/4" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)

INTO F.B.C. APPROVED MULLIONS

OR

INTO METAL STRUCTURES (HEAD/SILL/JAMBS)

(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS

ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)

STEEL: 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.

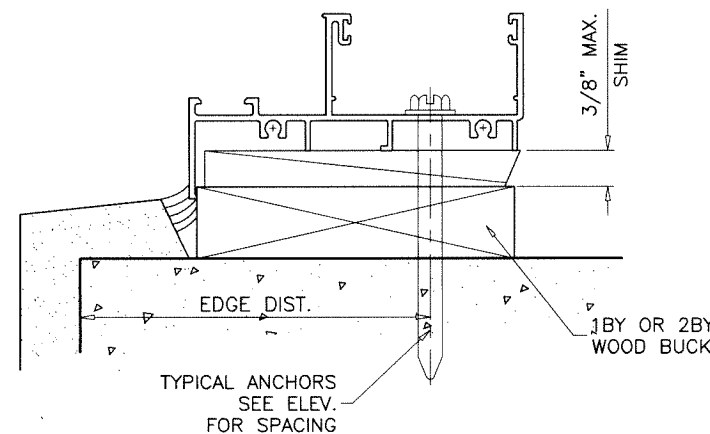
INTO WOOD STRUCTURE = 1" MIN.

INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.

CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3000$ PSI MIN.

C-90 HOLLOW/FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.



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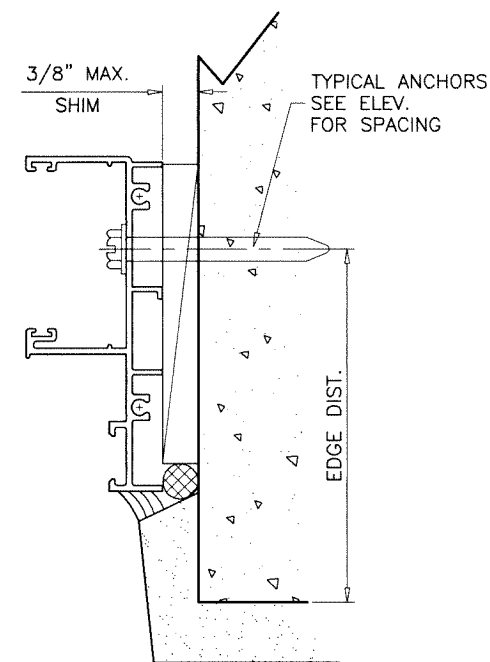
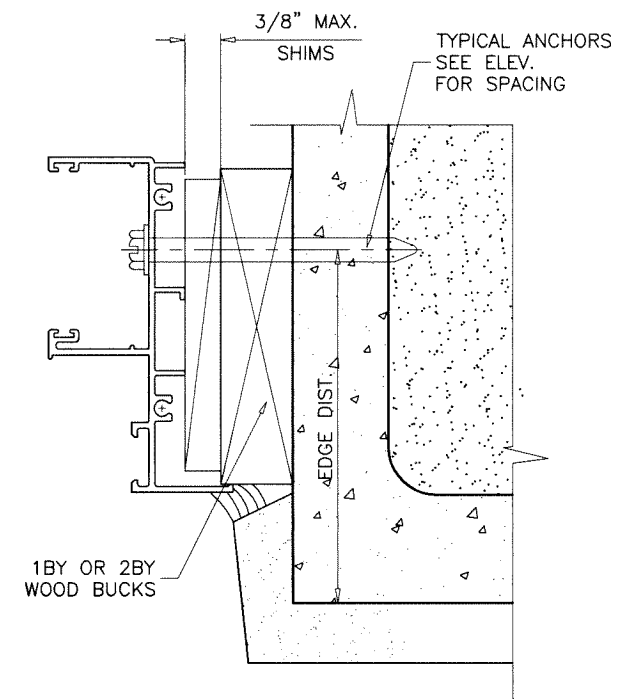
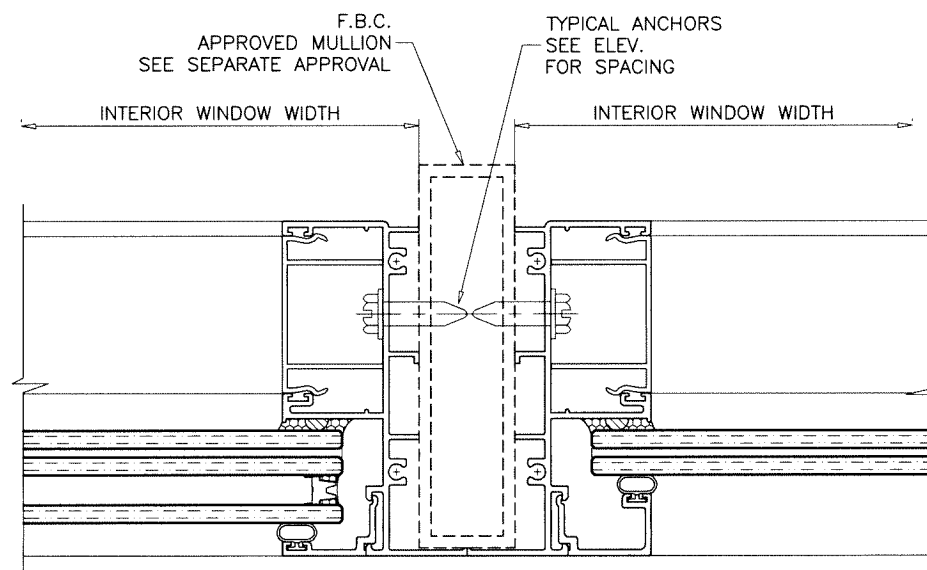
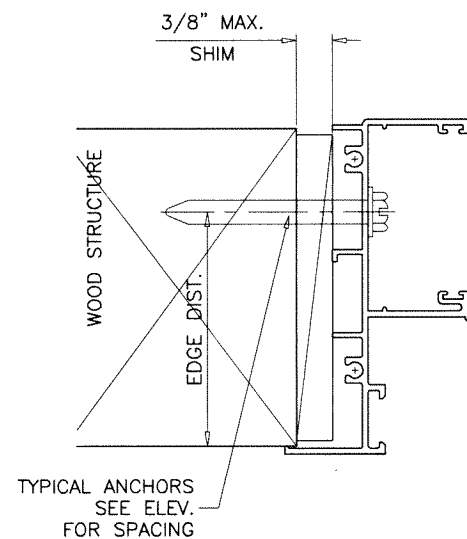
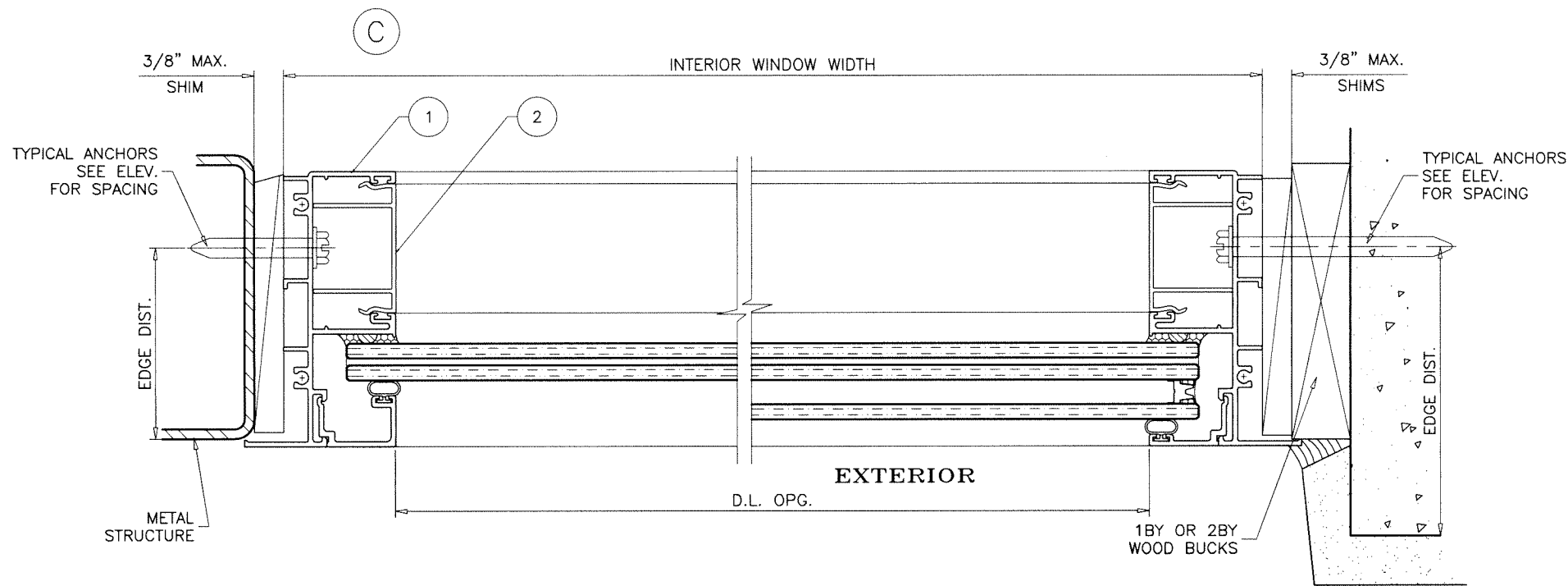
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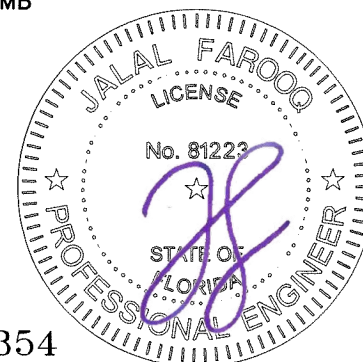
drawing no.

19-86F

sheet 4 of 6



FLUSH FRAME WITH
TRIMMED EXTERIOR FLANGE
HEAD/SILL/JAMB



Sealed: 8/17/2026

FL #30354

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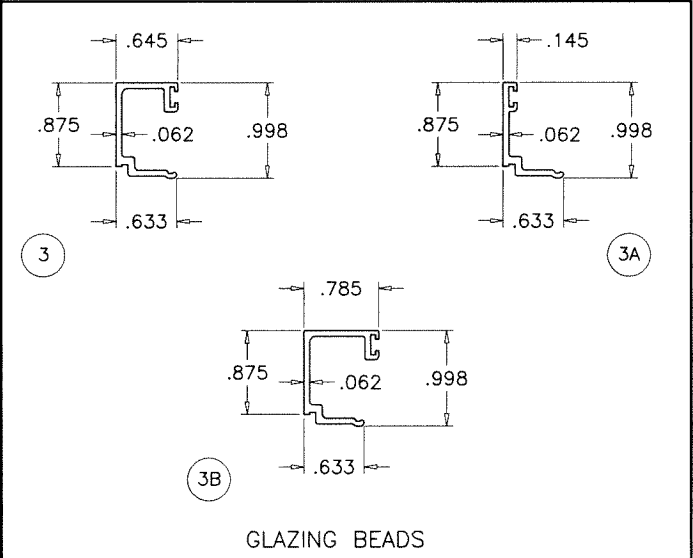
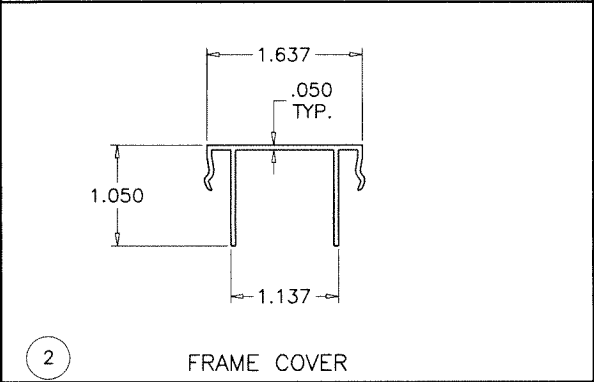
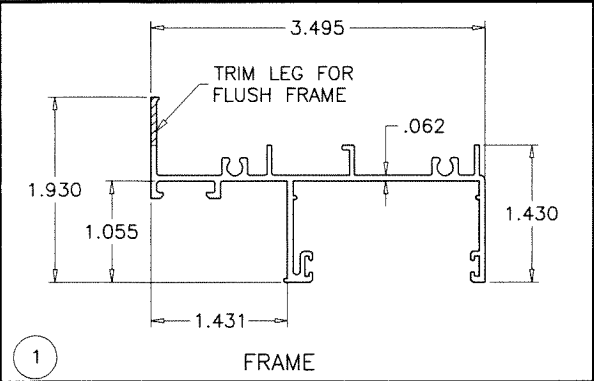
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drawing no.

19-86F

sheet 5 of 6

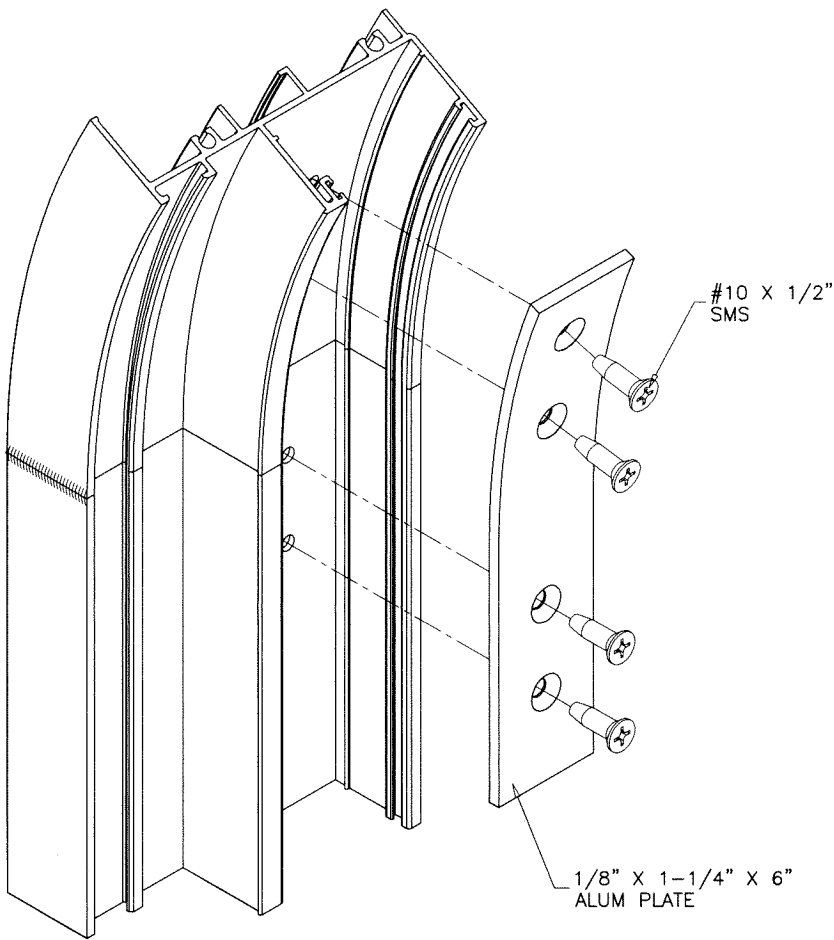
COMP-ANL 19-86F-ABW



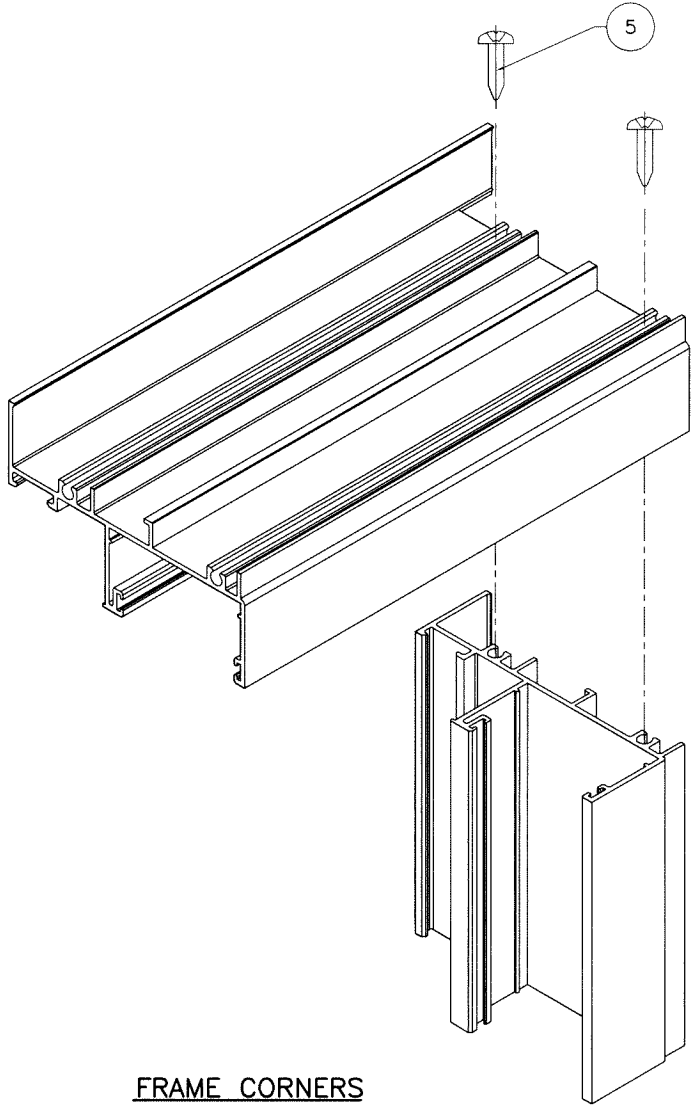
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1	116	4	FRAME	6063-T6	PROFILE
2	117	4	FRAME COVER	6063-T6	PROFILE
3	115	4	GLAZING BEAD (7/16" LAM. GLASS)	6063-T6	PROFILE
3A	103	4	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	PROFILE
3B	119	4	GLAZING BEAD (5/16" LAM. GLASS)	6063-T6	PROFILE
4	-	2/	LITE	EPDM	DUROMETER 80±5 SHORE A
5	#10 X 1-1/2"	8/	VENT	ST. STEEL	FH SMS TYPE B
6	E-206	AS REQD.	GLAZING BEAD BULB	TPE/POLYPROP.	SULLIVAN & ASSOC.
7	-	AS REQD.	GLASS SPACER	SILICONE	FRANK LOWE

SEALANT:

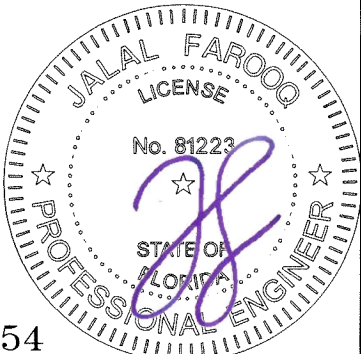
ALL JOINTS AND FRAME CONNECTIONS SEALED WITH WHITE/ALUMINUM COLORED GENERAL PURPOSE SILICONE.



FRAME CORNERS
CIRCULAR WINDOWS



FRAME CORNERS
RECT. OR SQUARE WINDOWS



FL #30354

af c
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date:	08-16-19	scale:	1/2" = 1"	dr. by: TARIQ
				chk. by:
drawing no.	19-86F			
sheet	6 of 6			

COMP-ANL\19-86F-ABW

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