

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

ALUMINUM OUTSWING ENTRANCE DOOR

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 2017 (6TH EDITION)/2020 (7TH 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 HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

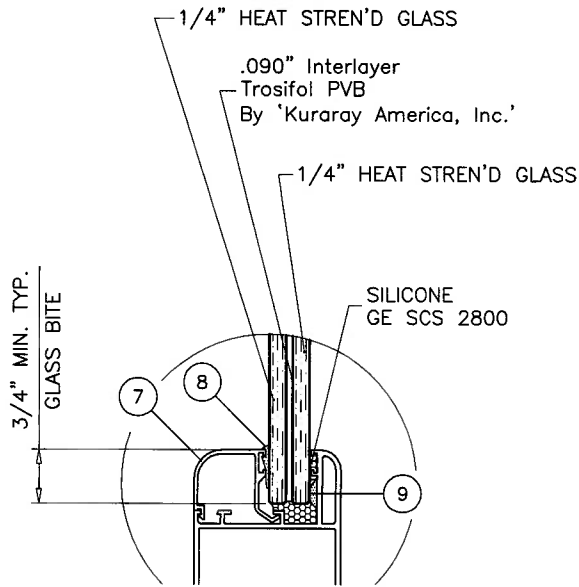
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2017/2020 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

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)'.

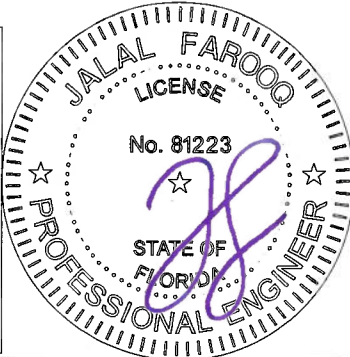
MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.

DOORS APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.



GLAZING DETAIL
9/16" LAM. GLASS

- 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.



Sealed: 12/7/2020 FL #19996

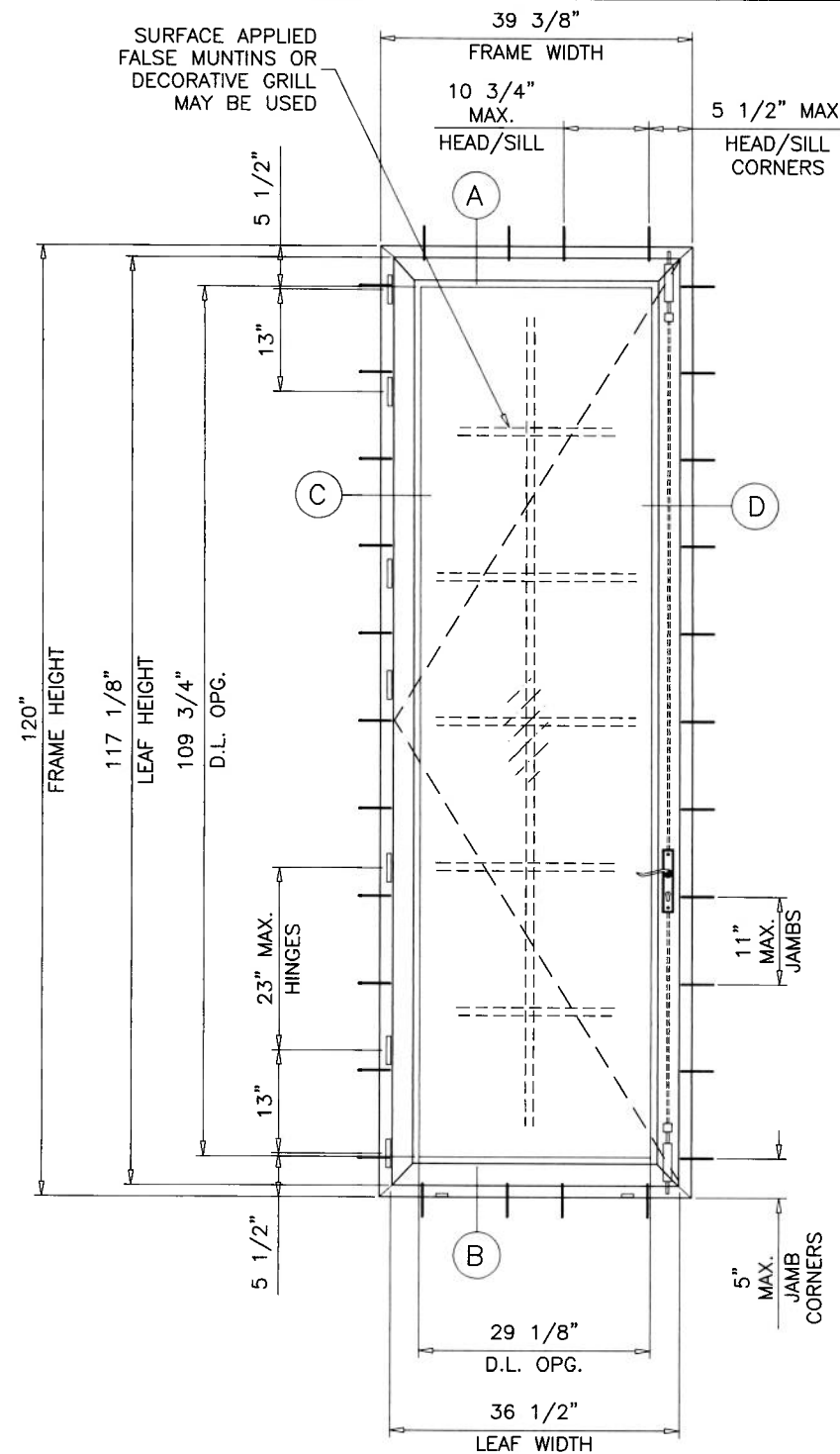
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP - ANL \ W16-04EII

ALUMINUM OUTSWING ENTRANCE DOOR (L.M.I.)
Eurotech Industries Inc.
4201 N.E. 12th Terrace
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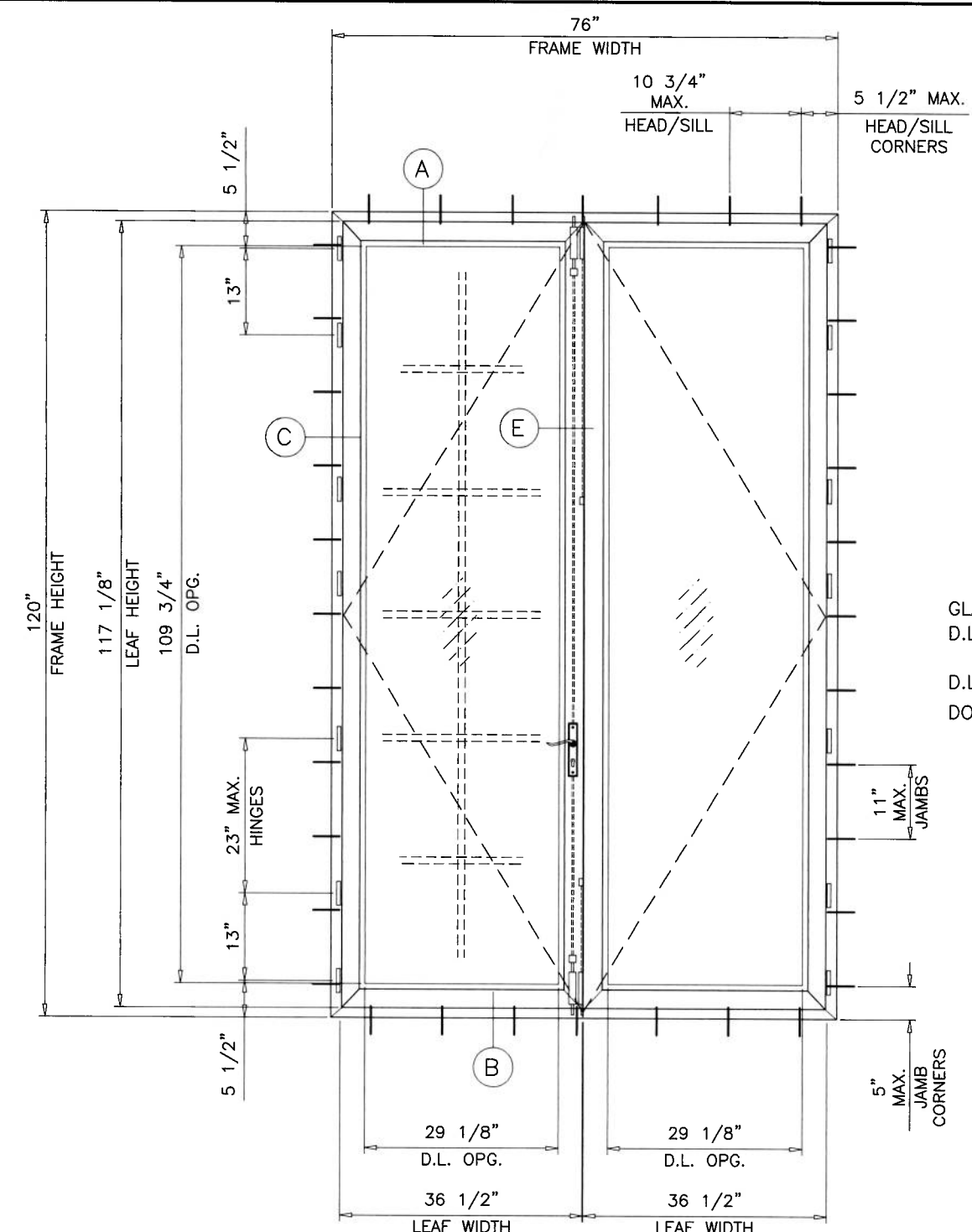
revisions:		no	date	by	description
A	12.04.17	B	11.30.20		UPDATED TO 2017 FBC
					UPDATED TO 2020 FBC

date: 01-15-16
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

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W16-04
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TYPICAL ELEVATION
(X)



TYPICAL ELEVATION
(XX)

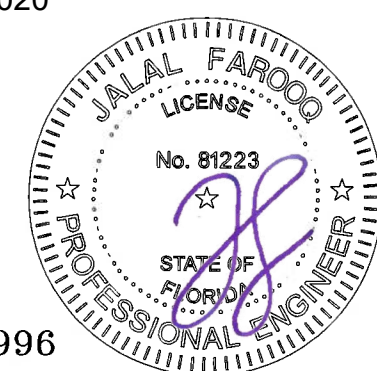
GLASS D.L.O. FORMULAE:
D.L.O. WIDTH = FRAME WIDTH - 10.250" (X DOORS)
= (FRAME WIDTH - 17.750")/2 (XX DOORS)
D.L.O. HEIGHT = FRAME HEIGHT - 10.250"
DOOR LEAF HEIGHT = FRAME HEIGHT - 2.875"

MAXIMUM DESIGN LOAD RATING = + 45.0 PSF
(FOR MAX. SIZE SHOWN ABOVE OR SMALLER) - 45.0 PSF
AS PERMITTED BY FBC REQUIREMENTS

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

NOTE:
APPLICABLE EGRESS REQUIREMENTS TO BE REVIEWED BY AHJ.

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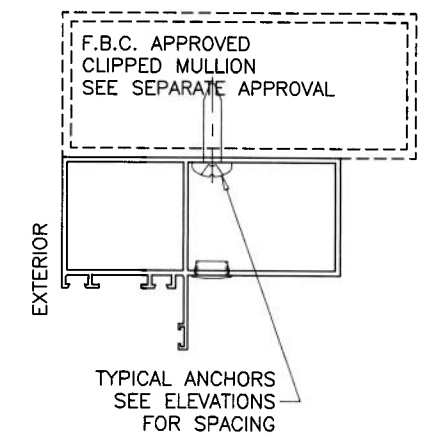
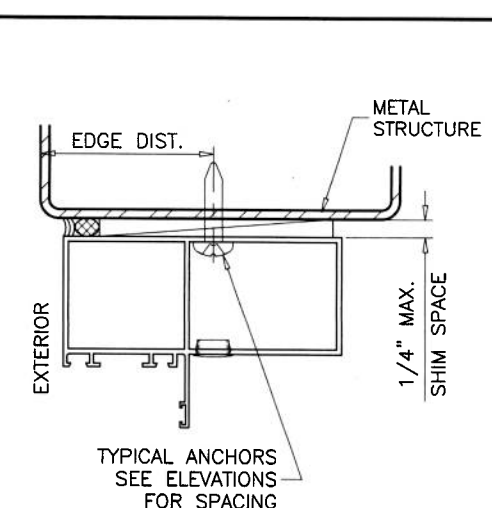
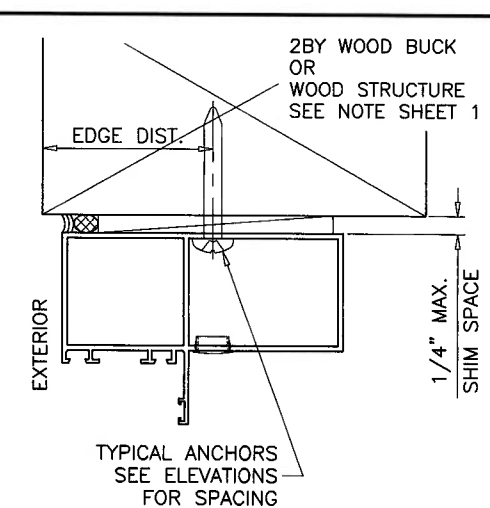
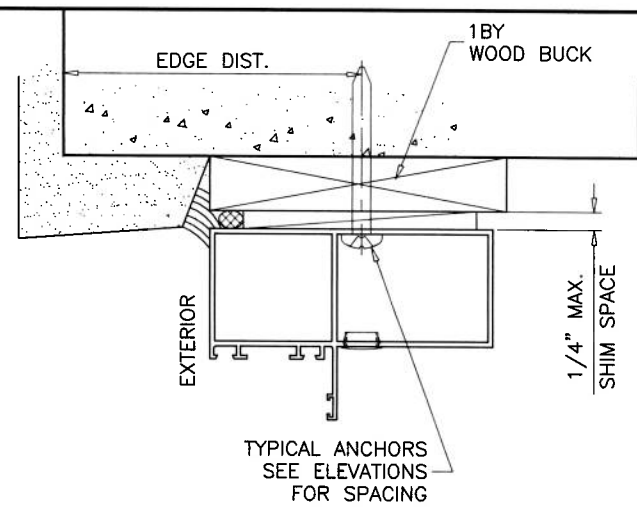
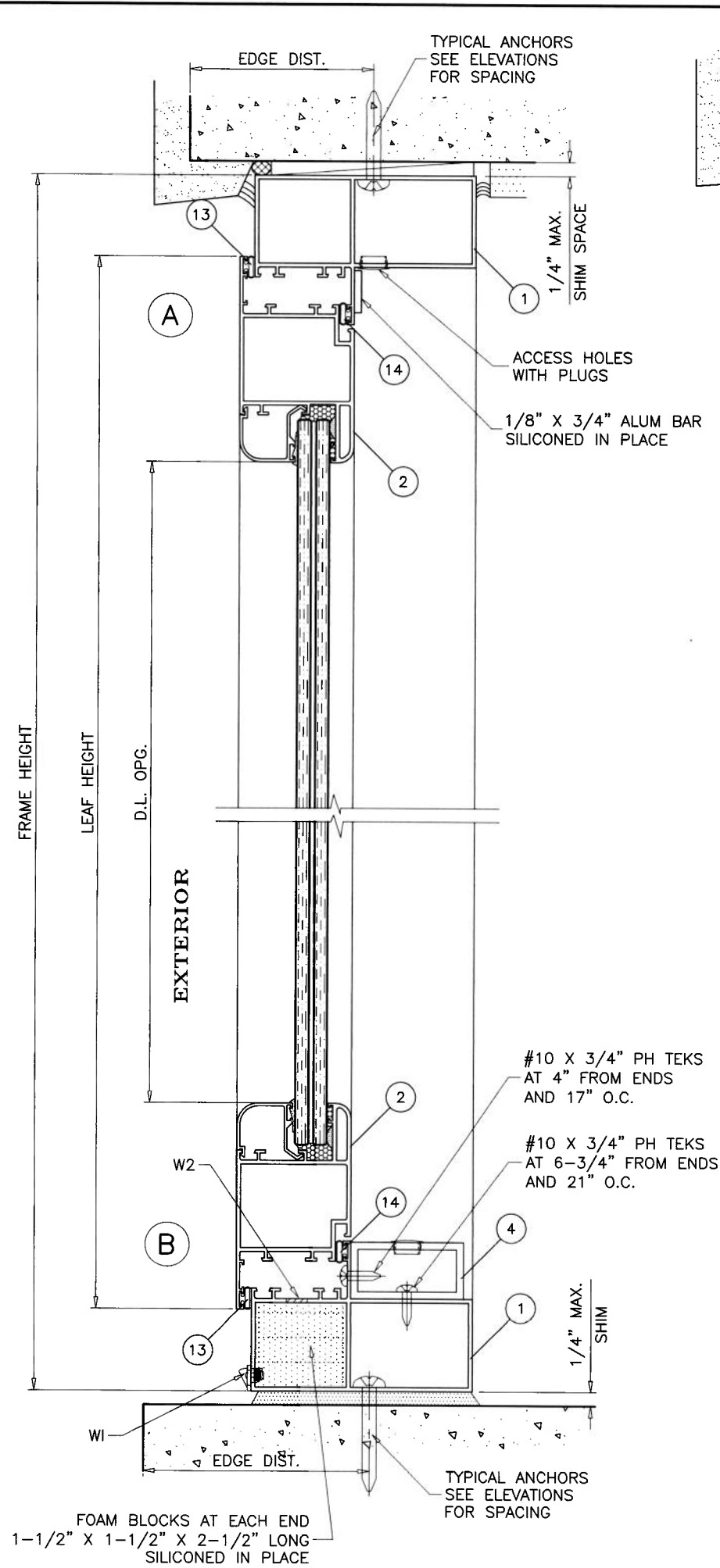
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revisions:

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dr. by: TARIQ
chk. by:

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WOOD BUCKS AND METAL STRUCTURE NOT BY 'EUROTECH' 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' (Fu=164 KSI, Fy=148 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)
 THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
 DIRECTLY INTO CONCRETE OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

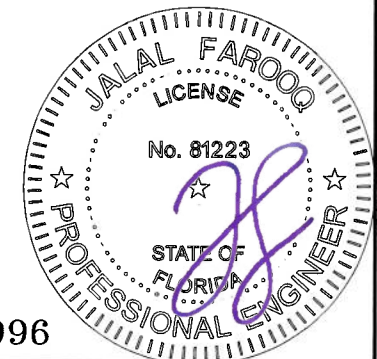
#14 SMS OR SELF DRILLING SCREWS (GRADE 2 CRS)
 INTO F.B.C. APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES (HEAD/JAMBS)
 (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

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 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.

WEEPHOLES:
 W1 = 1/4" X 1-1/2" WEEPHOLES WITH PLASTIC BAFFLE AT 8" FROM EACH END
 W2 = 3/8" WEEPHOLES AT 6" FROM EACH END AND 16" O.C. MAX.

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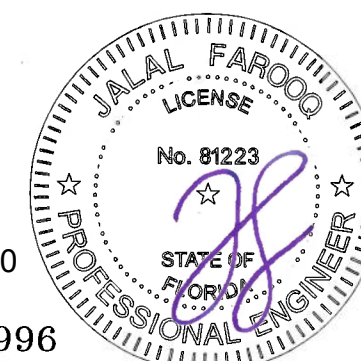
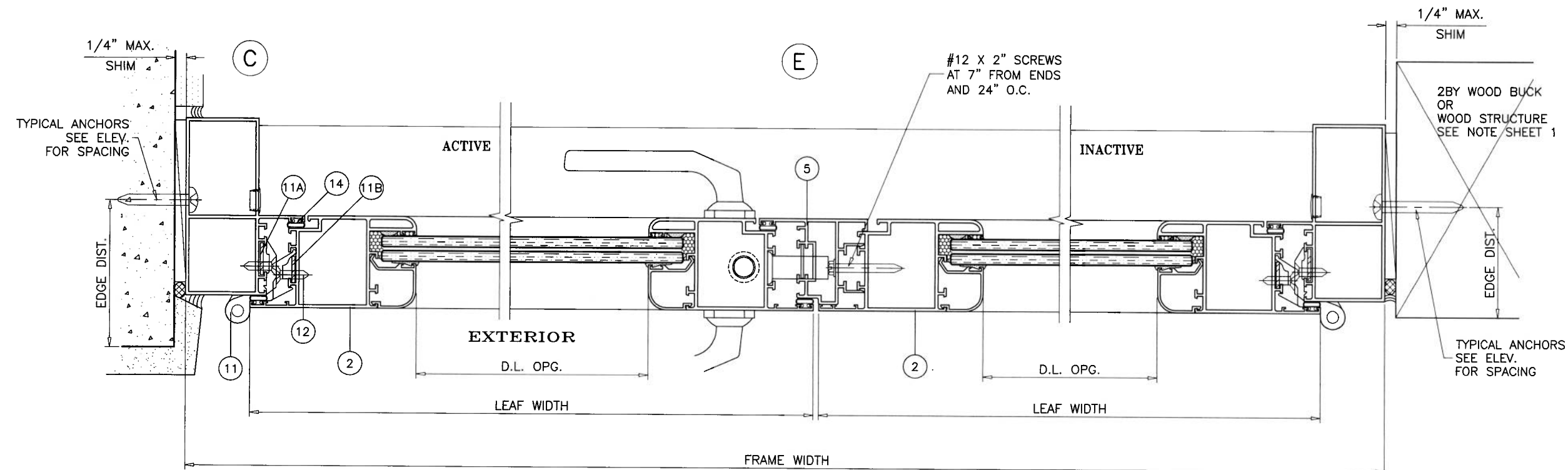
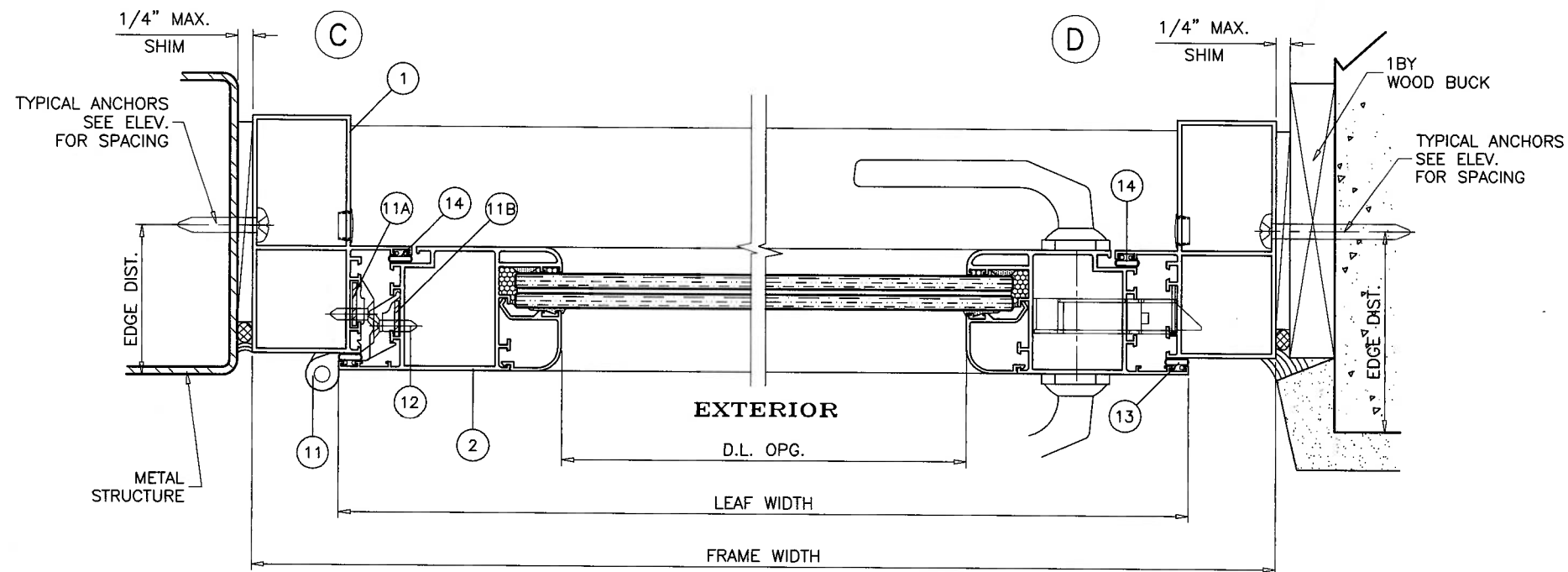
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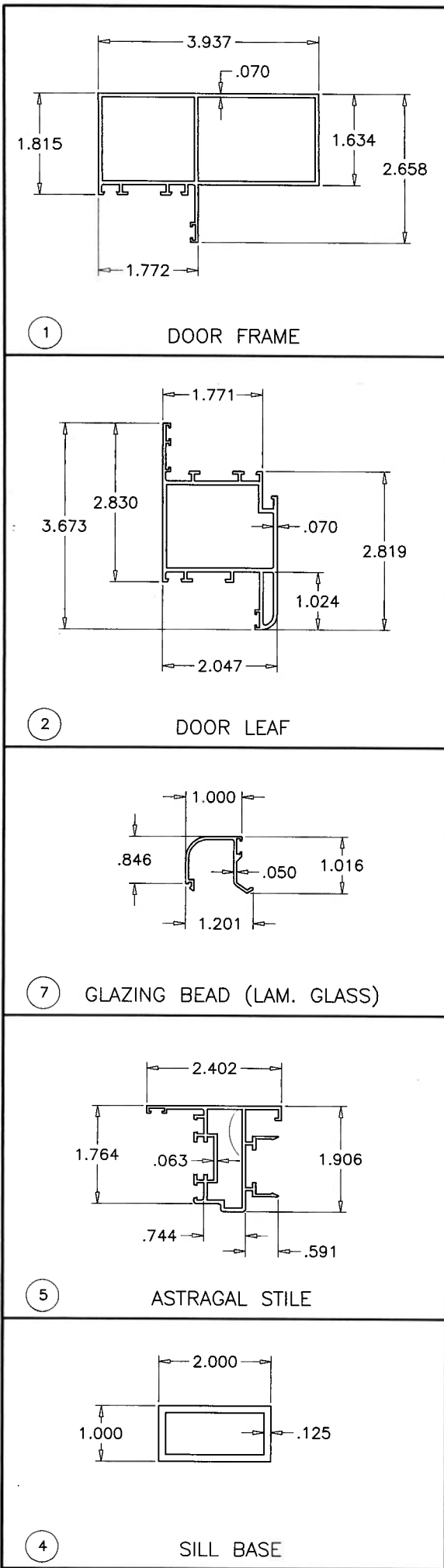
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SEALANTS:

ALL FRAME AND LEAF CORNERS AND JOINTS SEALED WITH ADSEL OR TEKNA 50729 SEALANTS.

LOCKS:

ACTIVE LEAF:

SINGLE POINT MORTISE LOCK BY 'CISA'
CAST ALUMINUM DOOR HANDEL AT 40-1/2" FROM BOTTOM
ACTIVATES THROW BOLT AT 37" FROM BOTTOM AND TOTEM LEVER BOLTS AT HEAD AND SILL
ST. STEEL LEVER BOLTS CONNECTED TO LOCK WITH CONNECTING BAR

INACTIVE LEAF

MANUALLY OPERATED BULL FRONT BOLT AT 43" FROM TOP AND 26" FROM BOTTOM ACTIVATES TOTEM LEVER BOLTS AT HEAD AND SILL

HINGES:

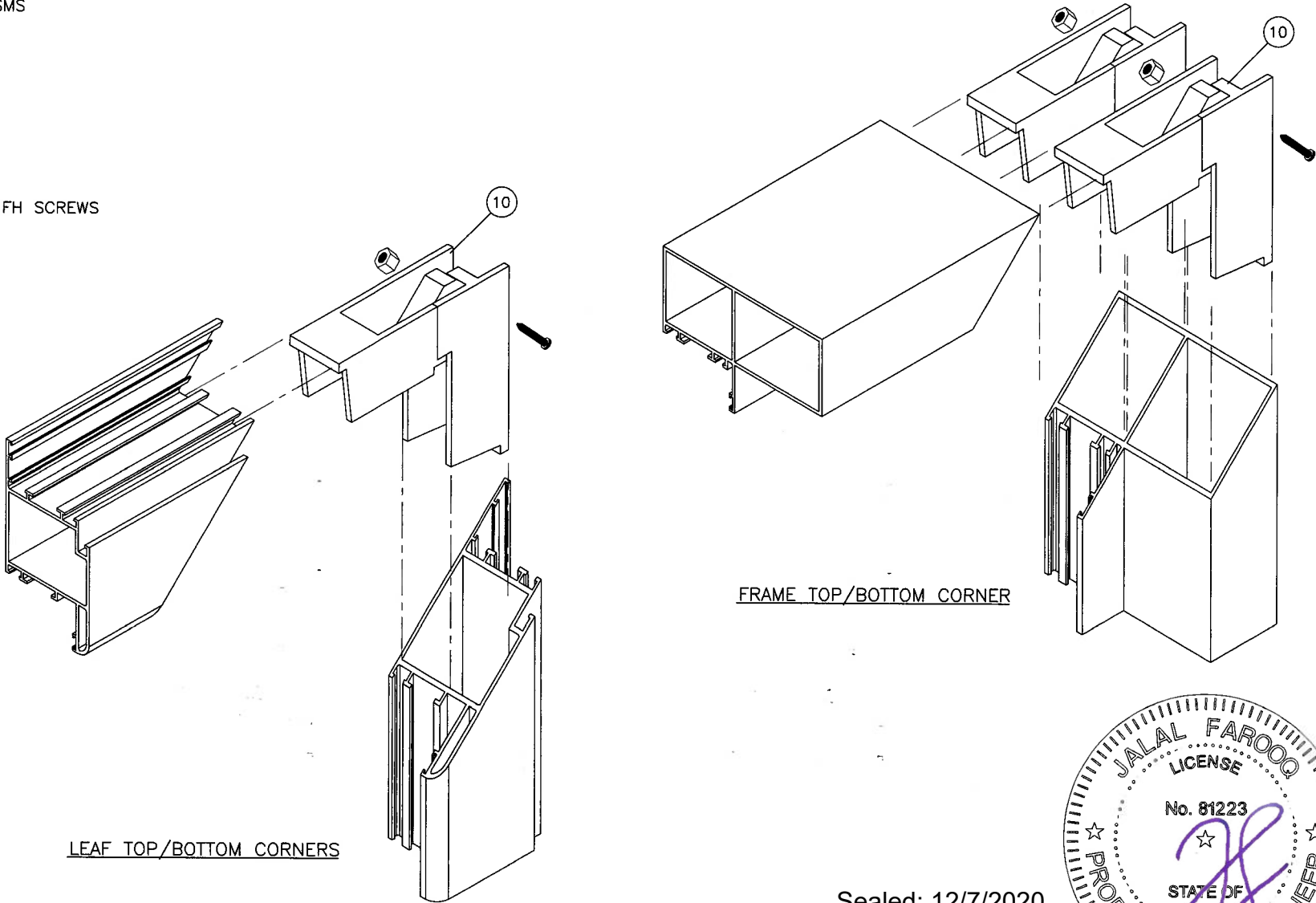
OPTION #1:

TWO HANDED COMB HINGE EXTRUDED ALUMINUM BRIDGE 2 BY 'GIESSE
7 HINGES PER LEAF
SEE ELEVATION FOR SPACING
HINGES FASTENED WITH #10 X 3/8" FH SMS
(2) SCREWS AT HINGE STILE
(2) SCREWS AT FRAME JAMB

OPTION #2:

TWO HANDED HINGE EXTRUDED ALUMINUM FLASH XL BY 'GIESSE
7 HINGES PER LEAF
SEE ELEVATION FOR SPACING
HINGES FASTENED WITH 1/4-20 X 1/2" FH SCREWS
(2) SCREWS AT HINGE STILE
(2) SCREWS AT FRAME JAMB

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ER006	AS REQD.	DOOR FRAME	6063-T6	-
2	ER012	AS REQD.	DOOR LEAF	6063-T6	-
4	-	1	SILL BASE	6063-T6	-
5	VZ-1481	AS REQD.	ASTRAGAL STILE	6063-T6	-
6	-	AS REQD.	SETTING BLOCKS AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A
7	VZ-1535	4/ LEAF	GLAZING BEAD (LAM. GLASS)	6063-T6	-
8	2801	AS REQD.	GLAZING GASKET	EPDM	DUROMETER 75±5 SHORE A
9	-	AS REQD.	SILICONE SPACER	EPDM	-
10	1001/50	1/ CORNER	CORNER KEY	CAST ALUM.	MONTICELLO
11	00600X	4/ LEAF	HINGES	ALUMINUM	GIESSE
11A	-	1/ HINGE	FIXING PLATE AT FRAME JAMB	STEEL	.537" X .071" X 3.665" LONG
11B	-	1/ HINGE	FIXING PLATE AT HINGE STILE	STEEL	.452" X .071" X 1.728" LONG
12	#10 X 3/8"	4/ HINGE	HINGE INSTALLATION SCREWS	-	PH MACHINE SCREWS
13	03030	AS REQD.	BULB W'STRIPPING AT LEAF	-	-
14	03017	AS REQD.	BULB W'STRIPPING AT FRAME	-	-
15	#12 X 1-1/4	-	FRAME ASSEMBLY SCREWS	-	SMS



FRAME TOP/BOTTOM CORNER

LEAF TOP/BOTTOM CORNERS

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