

DESIGN LOAD CAPACITY – PSF			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	7/16" LAM. GLASS	
		EXT.(+)	INT.(–)
30	82	45.0	45.0
36		45.0	45.0
42		45.0	45.0
48		45.0	45.0
50–11/16"		45.0	45.0
30	84	45.0	45.0
36		45.0	45.0
42		45.0	45.0
48		45.0	45.0
50–11/16"		45.0	45.0

AVERAGE PANEL WIDTH = $\frac{\text{DOOR FRAME WIDTH}}{\text{NUMBER OF PANELS}}$

DOOR HEIGHT AND WIDTH SIZE MUST COMPLY
EGRESS REQUIREMENTS PER FBC AS REQUIRED.

ALUMINUM SLIDING GLASS DOOR

DESIGN LOAD RATING FOR DOORS TO BE AS PER CHARTS SHOWN
ABOVE.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE 2020 (7TH EDITION)/2023 (8TH 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.

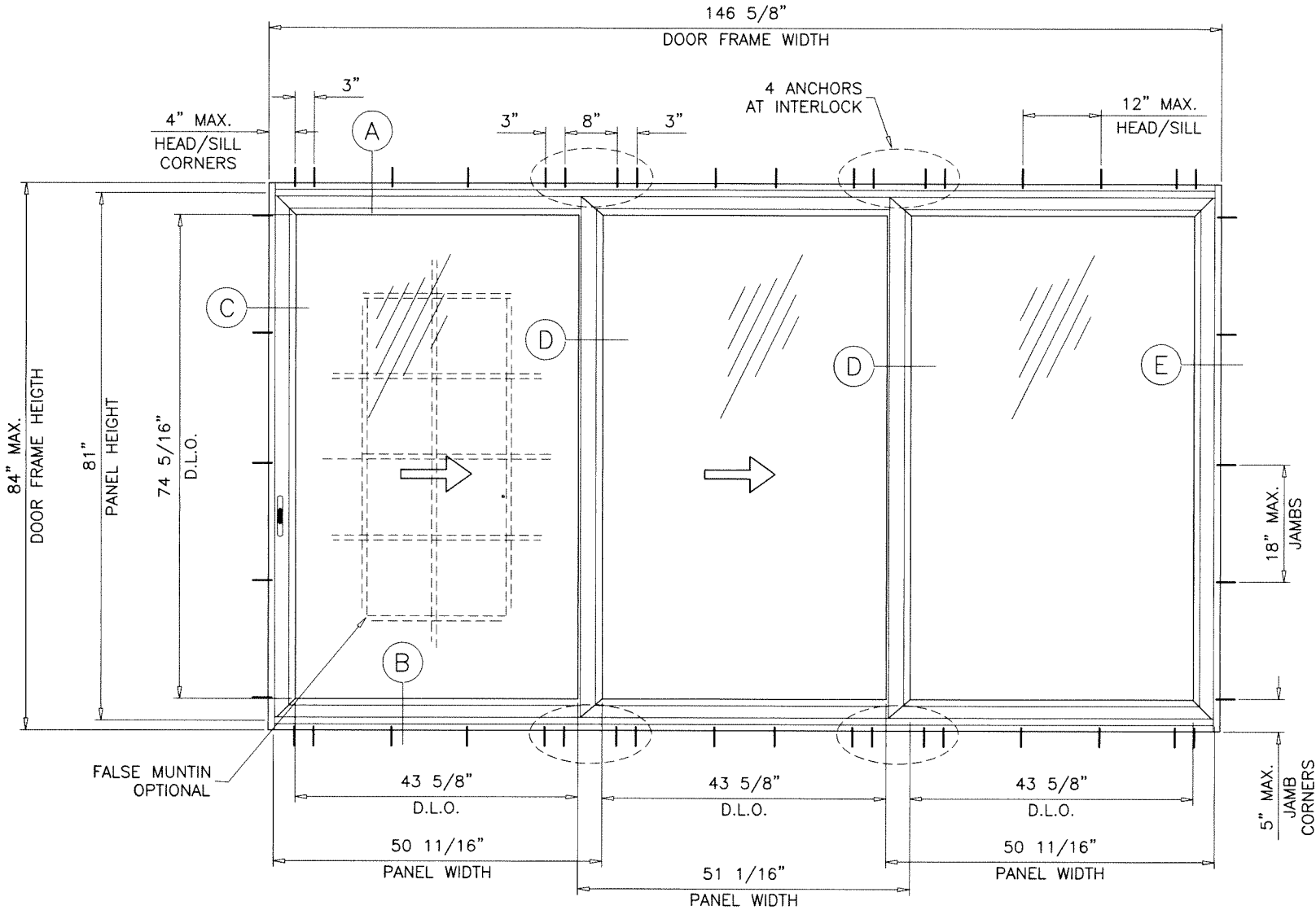
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE 2020/2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

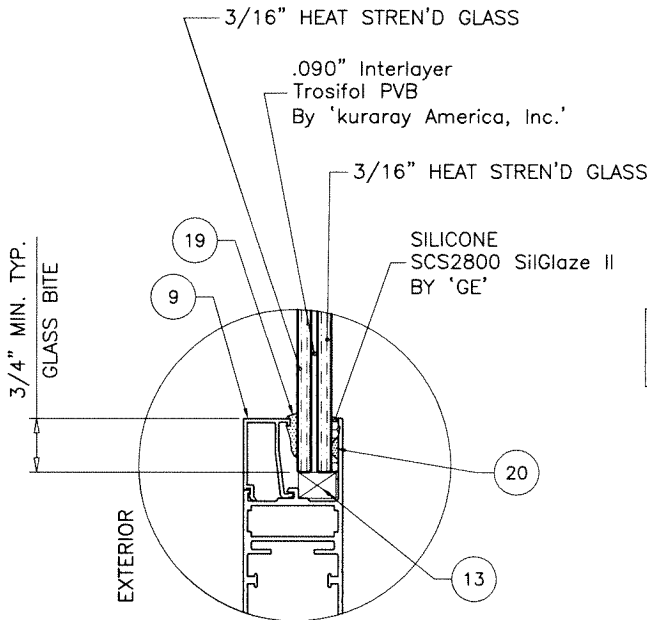
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION
FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY
OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR
WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY,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



TYPICAL ELEVATION
(TESTED UNIT)



GLAZING DETAIL

7/16" OVERALL LAM. GLASS

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

THESE DOORS 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.

Sealed: 7/18/2023
FL #36873



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL: (305) 264-8100 FAX: (305) 262-6978
COMP-ANL\20-91F-EII

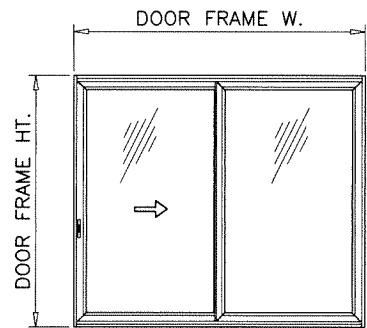
ALUMINUM SLIDING GLASS DOOR (L.M.I.)

Eurotech Industries Inc.
4201 N.E. 12th Terrace
Oakland Park, Florida 33334
Tel: (954) 630-9967 Fax: (954) 630-0217

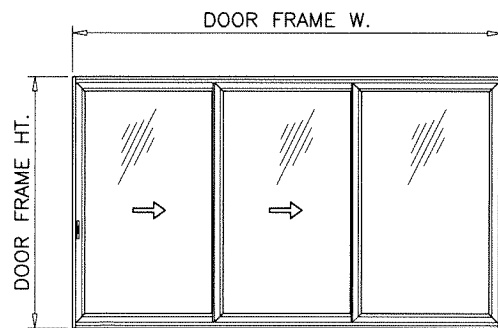
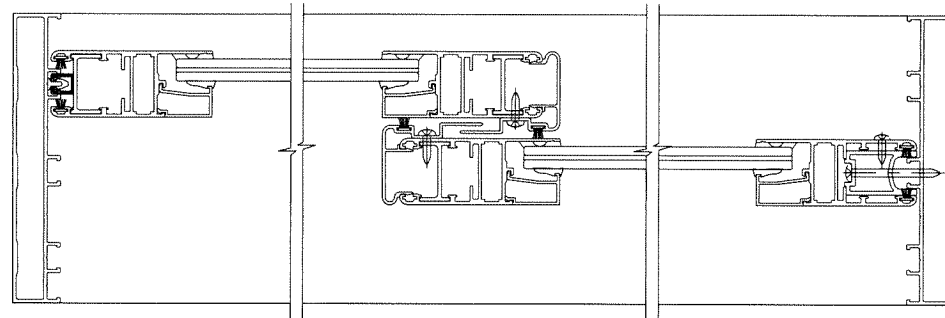
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chk. by:	

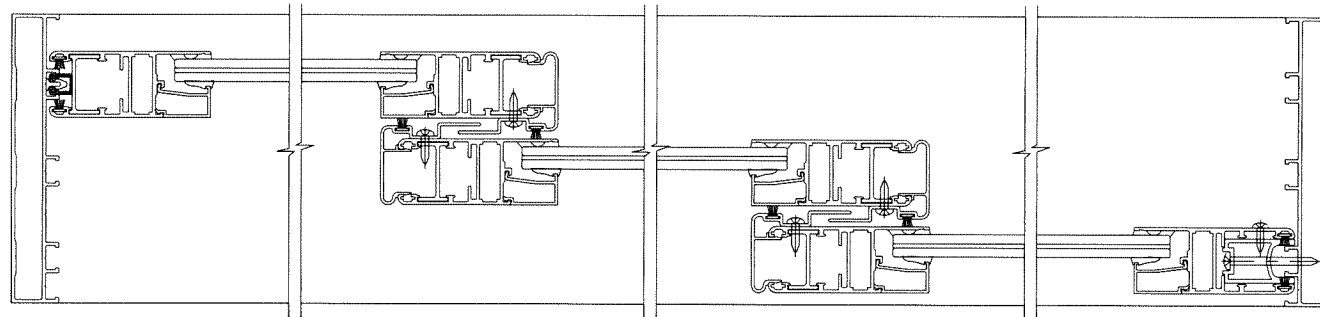
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XO (SHOWN)
OX



XXO (SHOWN)
OXX



NOTE:

1. CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSES ONLY.
2. FOR APPLICABLE DESIGN PRESSURES SEE SHEET 1.
3. FOR ANCHOR DETAILS SEE SHEETS 3 AND 4.

APPROVED CONFIGURATIONS

Sealed: 7/18/2023



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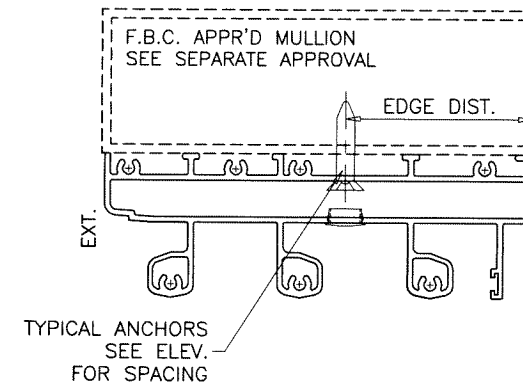
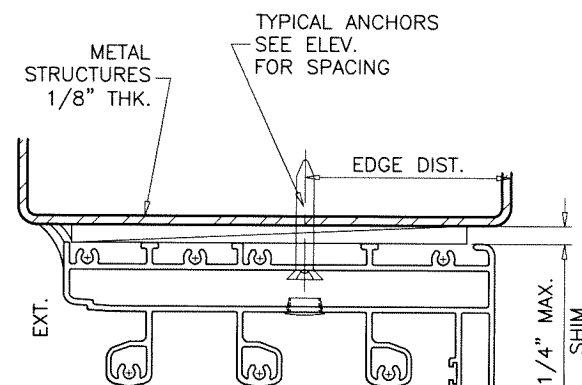
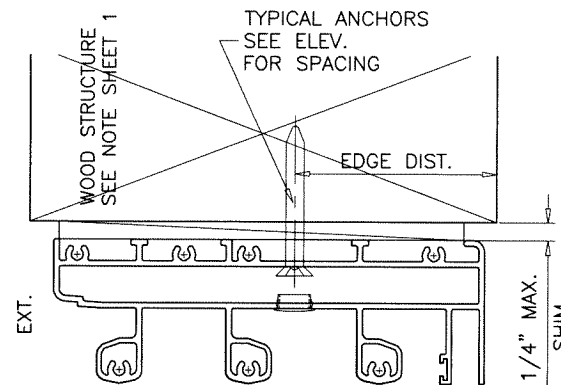
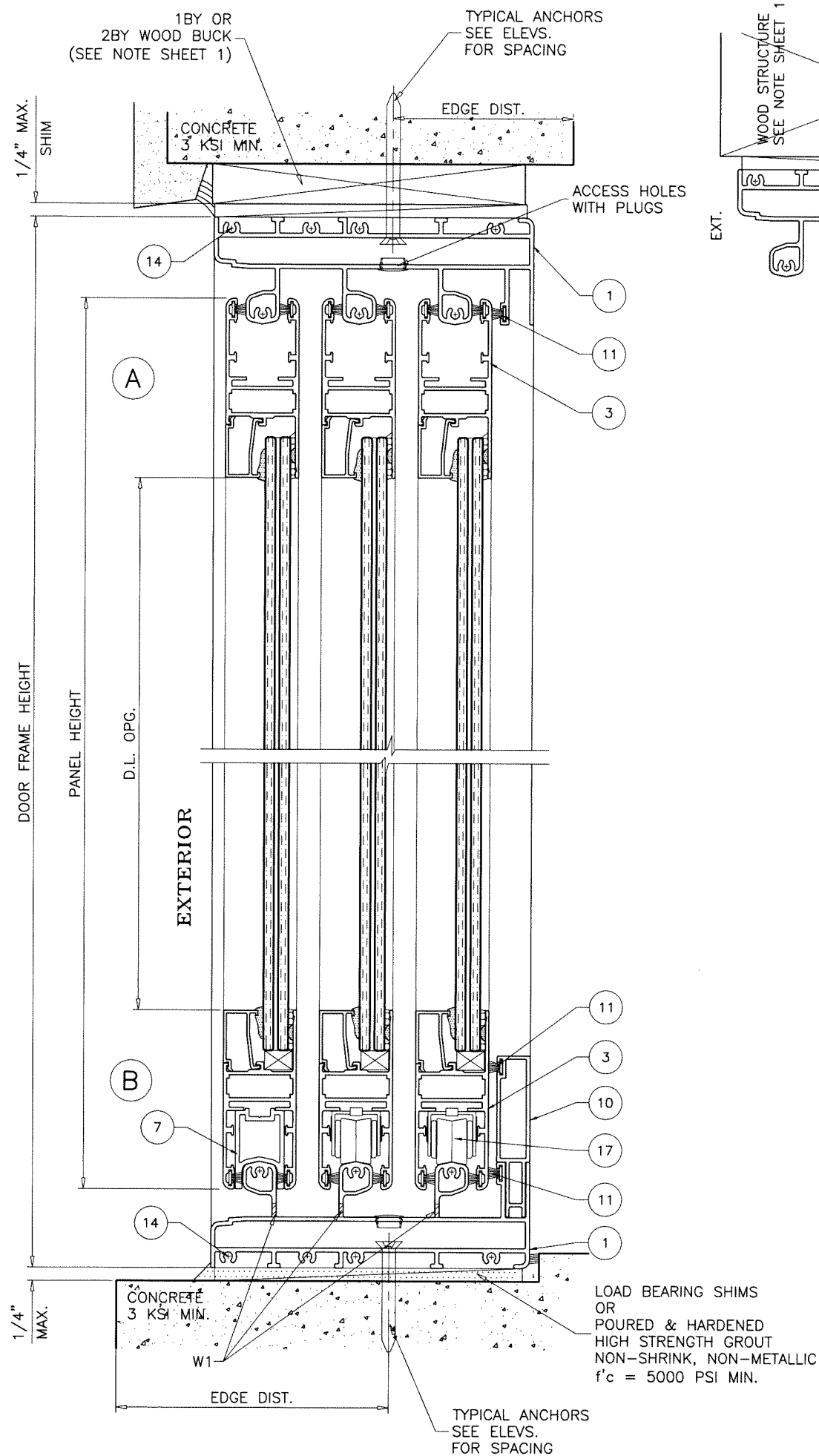
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1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'EUROTECH' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

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

INTO WOOD STRUCTURES

1-3/4" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)

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

1-3/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)

1-3/4" MIN. EMBED INTO GROUT-FILLED BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS

1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)

1-3/4" MIN. EMBED INTO GROUT-FILLED BLOCKS (JAMBS)

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

INTO F.B.C. APPROVED MULLIONS
AND

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. ($F_y = 36$ KSI MIN.)

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

CRITICAL EDGE DISTANCE

INTO CONCRETE AND FILLED BLOCKS = 2-12" MIN.

INTO WOOD STRUCTURE = 1" MIN.

INTO METAL STRUCTURE = 1/2" MIN.

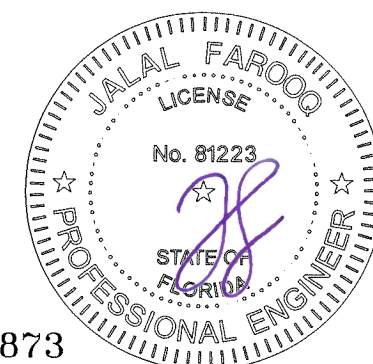
WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.

CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3500$ PSI MIN.

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

WEEPHOLES:

W1 = 1/4" X 2-1/2" WEEP HOLES AT 4" FROM EACH END AND 12" O.C.



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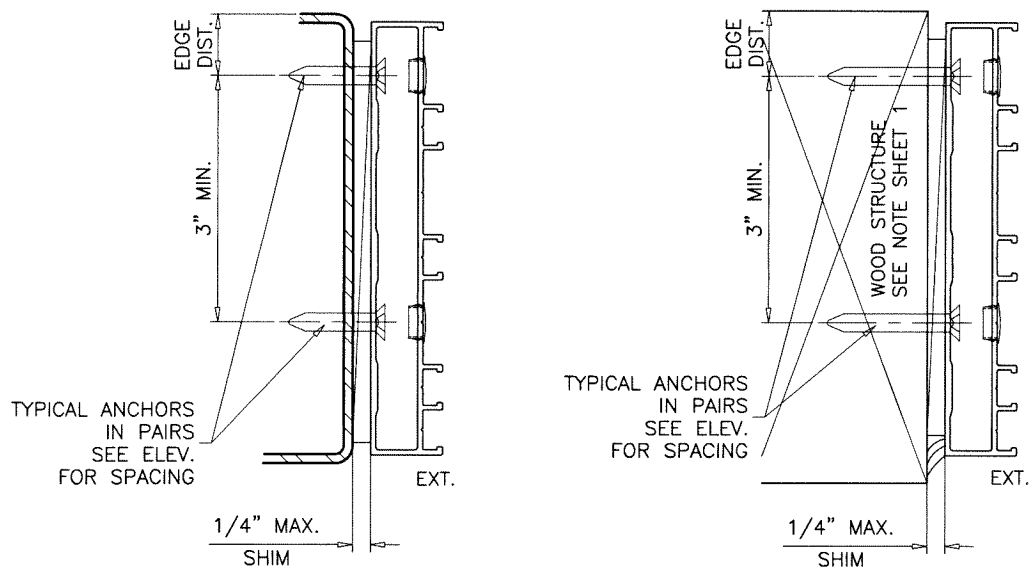
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20-91F

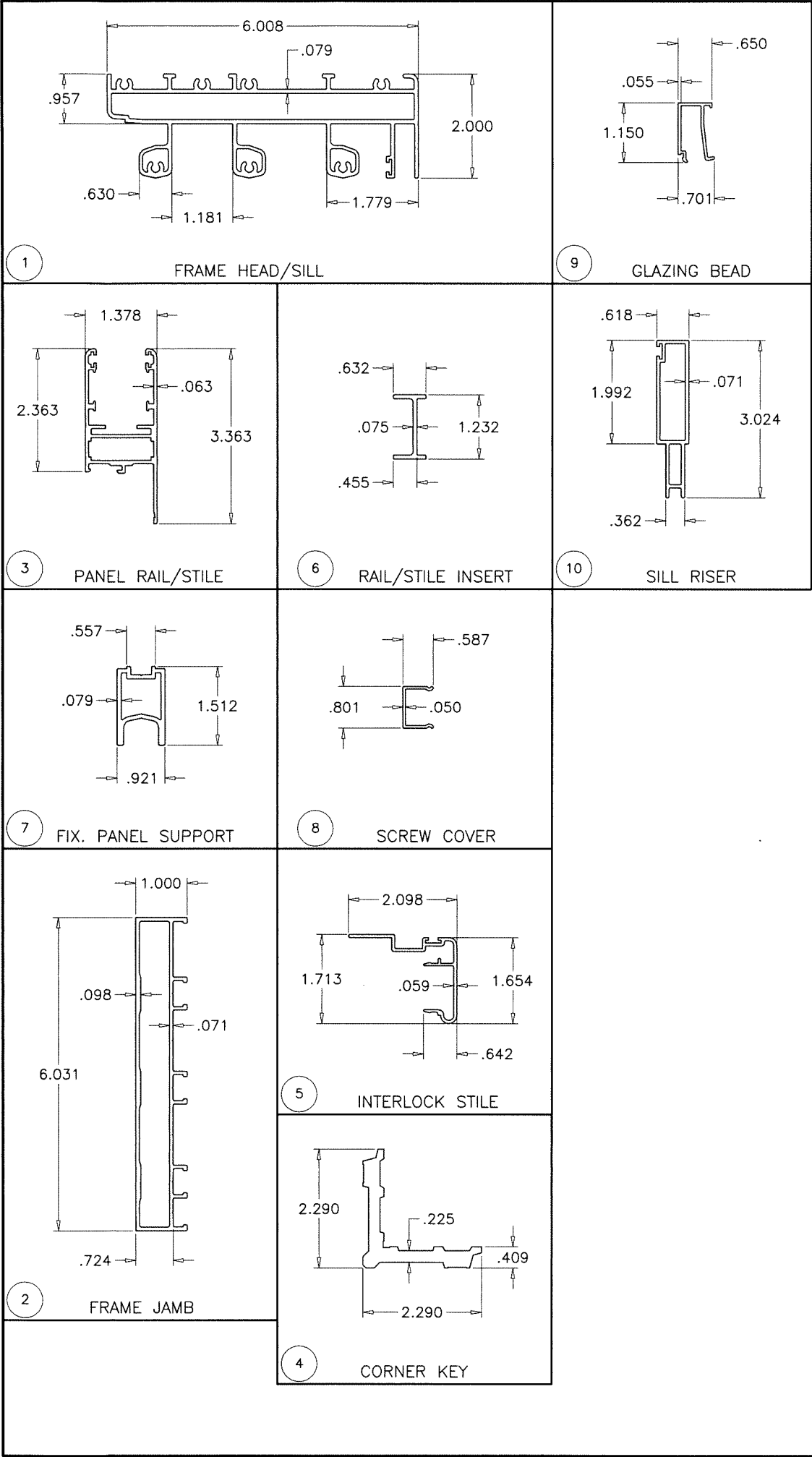
sheet 3 of 6

Sealed: 7/18/2023



A circular professional engineer seal for Jalal Farooq. The outer ring contains the text "JALAL FAROOQ" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top, "No. 81223" is in the center, and "STATE OF FLORIDA" is at the bottom. A large, stylized purple signature is written over the seal. The number "873" is printed in the bottom left corner.

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chk. by:			
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sheet 4 of 6			



ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ETS025	2	FRAME HEAD/SILL	6063-T6	-
2	ETS017	2	FRAME JAMB	6063-T6	-
3	ETS001	4/ PANEL	PANEL RAIL/STILE	6063-T6	-
4	ER014	4/ PANEL	CORNER KEY	6063-T6	-
5	ETS006	AS REQD.	INTERLOCK STILE	6063-T6	-
6	-	AS REQD.	RAIL/STILE INSERT	6063-T6	-
7	ETS012	AS REQD.	FIX. PANEL SUPPORT	6063-T6	-
8	-	AS REQD.	SCREW COVER	6063-T6	-
9	ETS011	AS REQD.	GLAZING BEAD	6063-T6	-
10	ETS027	AS REQD.	SILL RISER	6063-T6	-
11	W21345NW0000	AS REQD.	PILE W'STRIPPING	WOOL	ULTRAFAB
12	-	AS REQD.	BULB W'STRIPPING	VINYL	-
13	-	2/ LITE	SETTING BLOCK	EPDM	DUROMETER 80±5 SHORE A
14	#10 X 1-1/2"	AS REQD.	FRAME ASSEMBLY FASTENERS	ST. STEEL	PH SMS
15	-	-	-	-	-
16	#10 X 1"	AS REQD.	INTERLOCK FASTENERS, AT 2" FROM ENDS & 10" O.C.	ST. STEEL	PH SMS
17	-	2/ PANEL	WHEEL ASSEMBLY	-	GIESSE
18	-	-	LOCK	-	-
19	2801	AS REQD.	WEDGE GASKET	EPDM	DUROMETER 75±5 SHORE A
20	-	AS REQD.	BUMP ON SPACER	SILICONE	-
-	-	-	-	-	-

SEALANT:

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

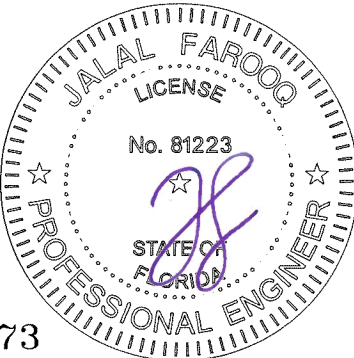
LOCKS:

SURFACE MOUNT METALLIC 4 POINT LOCK WITH SINGLE HANDLE BY 'GIESSE' OPERATOR AT 39-1/2" FROM BOTTOM FASTENED TO LOCK STILE WITH (4) #8 X 1" FH SELF DRILLING SCREWS

SURFACE MOUNT METALLIC KEEPERS FACING LOCK AT 9", 24", 52" AND 73" FROM BOTTOM FASTENED TO JAMB WITH (2) #10 X 5/8" FH MS

PLASTIC LEVER OPERATOR WITH 7/16" BRASS BOLT LOCATED AT BOTTOM OF INTERLOCK STILE.

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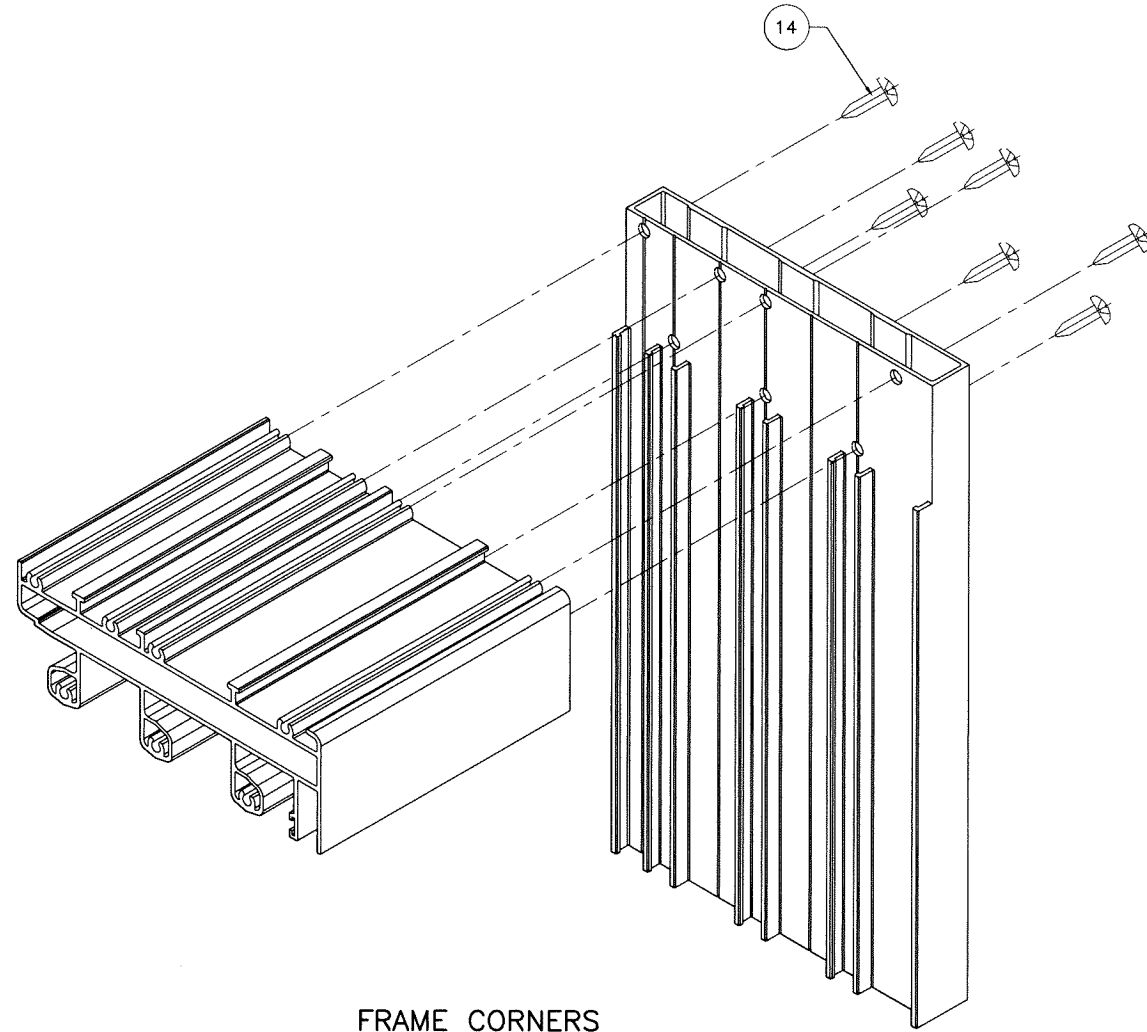
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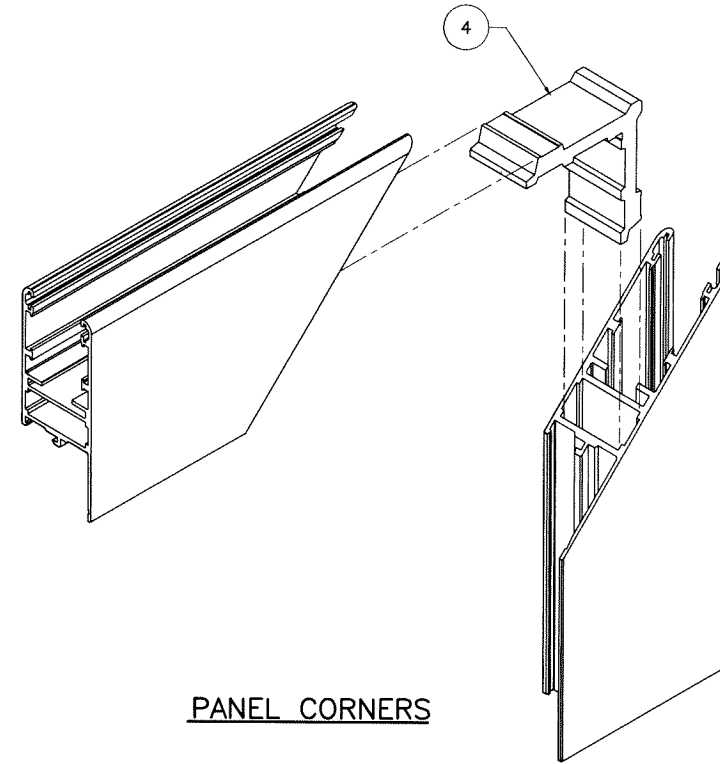
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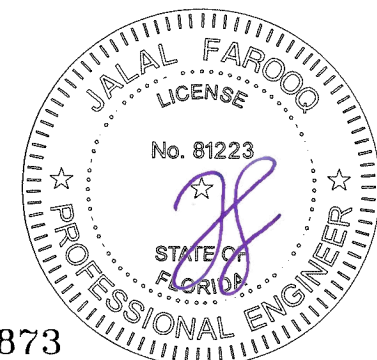


FRAME CORNERS



PANEL CORNERS

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