

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

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

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 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.

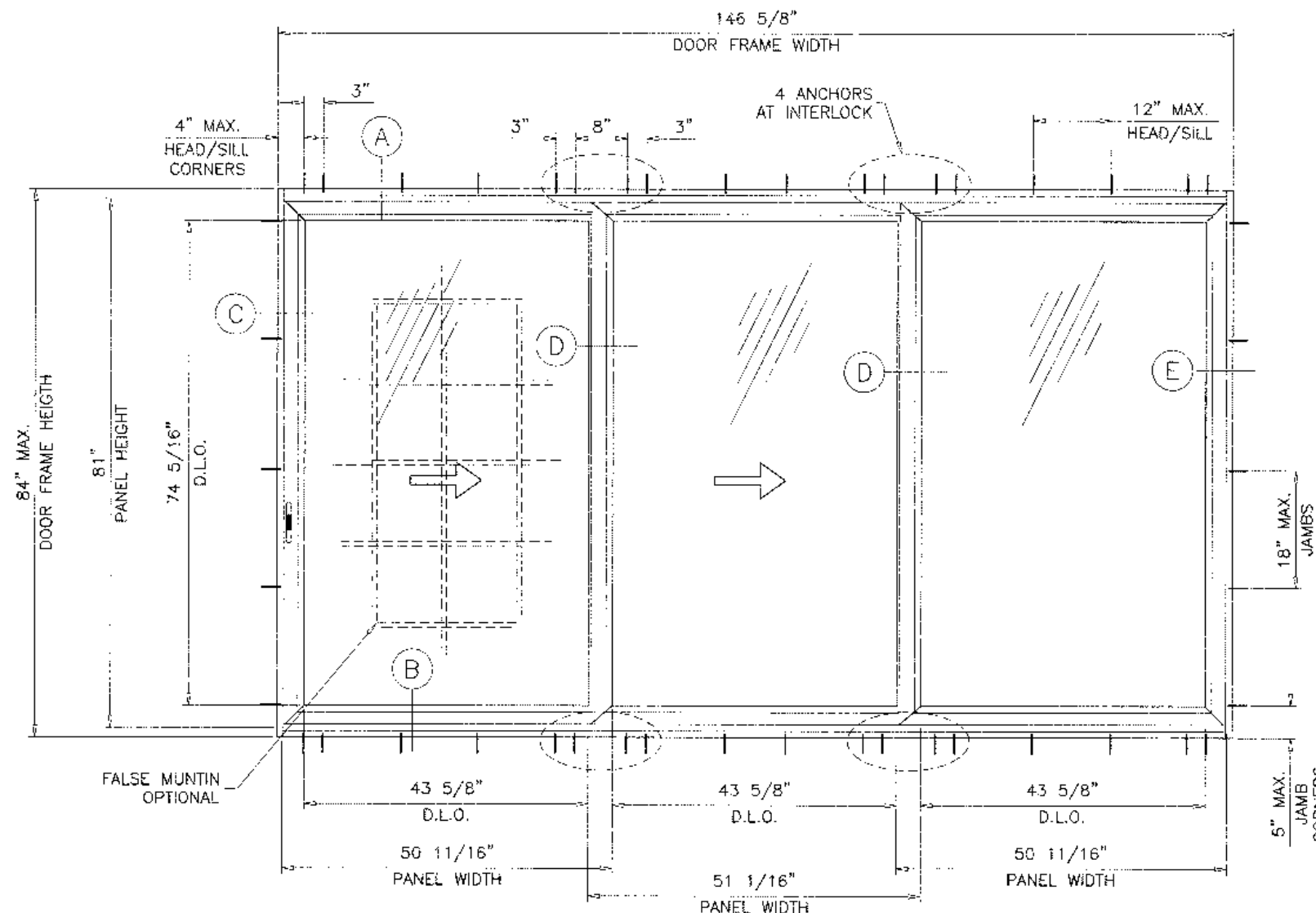
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.  
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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.

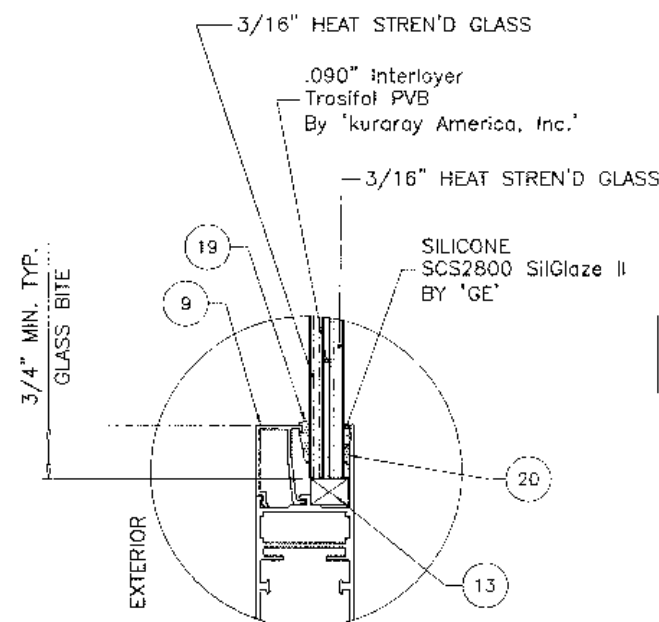
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION  
FOR A SITE SPECIFIC PROJECT, I.E. LIFE SAFETY OF THIS PRODUCT, ADEQUACY  
OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR  
WATER INFILTRATION RESISTANCE ETC.  
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED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



**TYPICAL ELEVATION**  
(TESTED UNIT)



**GLAZING DETAIL**  
7/16" OVERALL LAM. GLASS

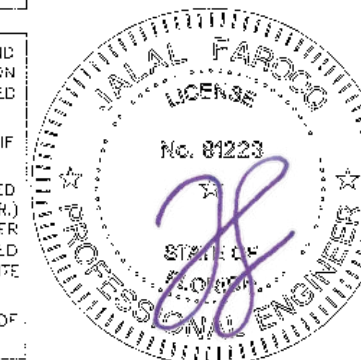
NOTE:  
GLASS CAPACITIES ON THIS SHEET ARE  
BASED ON ASTM E1300-09 (3 SEC. GUSTS)  
AND FLORIDA BUILDING COMMISSION  
DECLARATORY STATEMENT DCA05-DEC-219

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 LATER 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: 12/18/20

FL #36873



**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL: (305) 264-9100 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

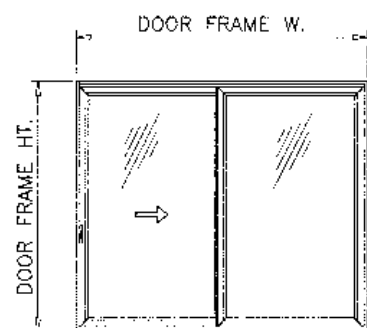
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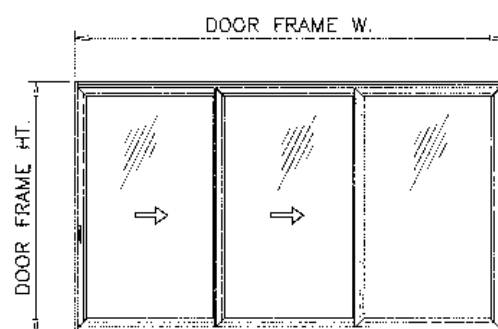
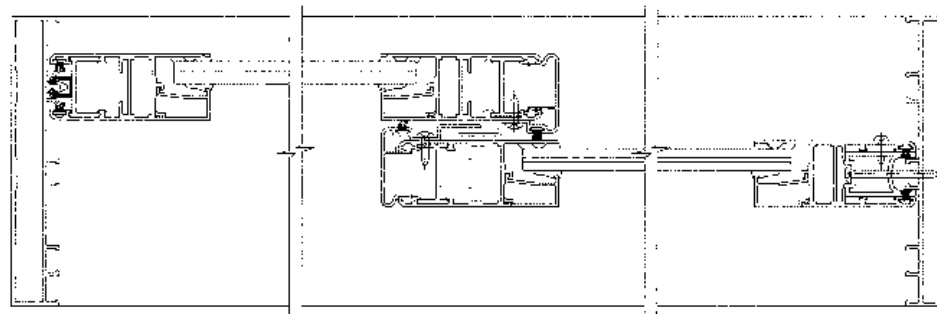
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drawing no. **20-91F**

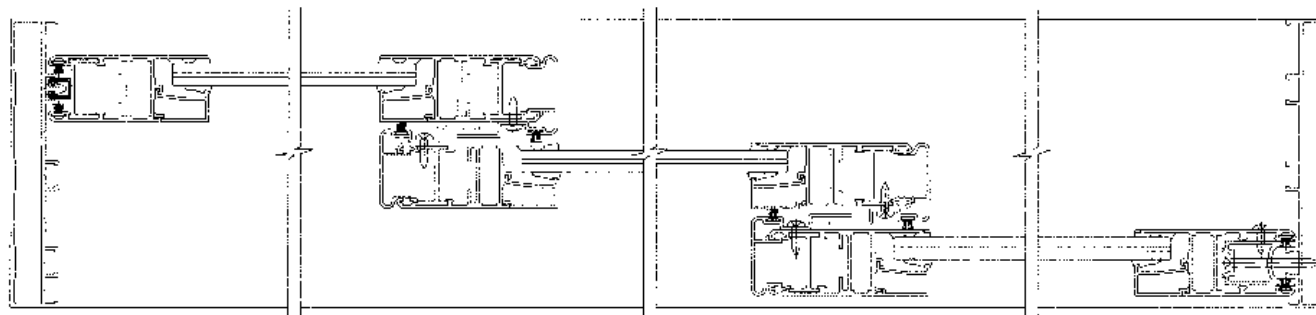
sheet 1 of 6



XO (SHOWN)  
OX



XXO (SHOWN)  
OXX



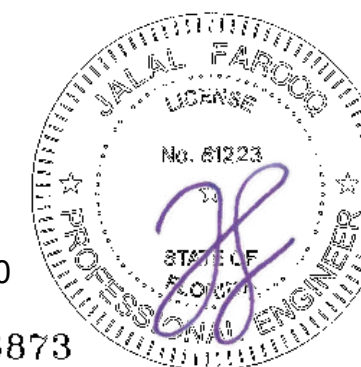
NOTE.

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

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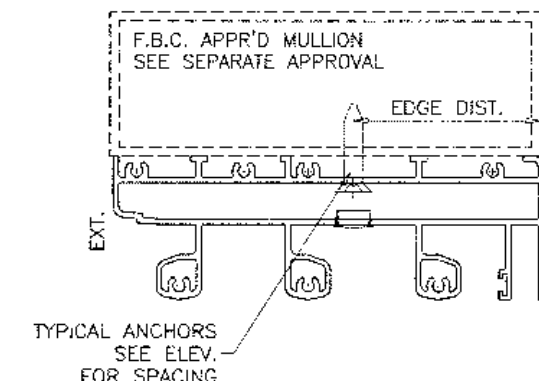
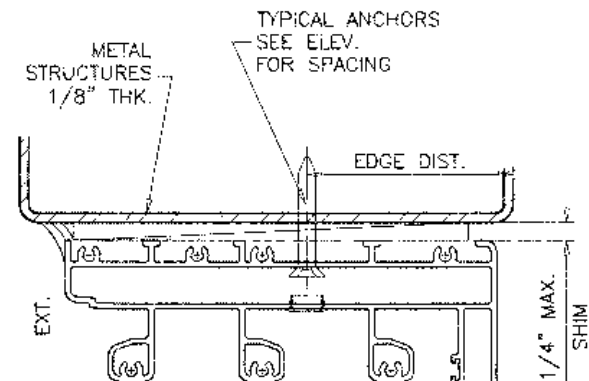
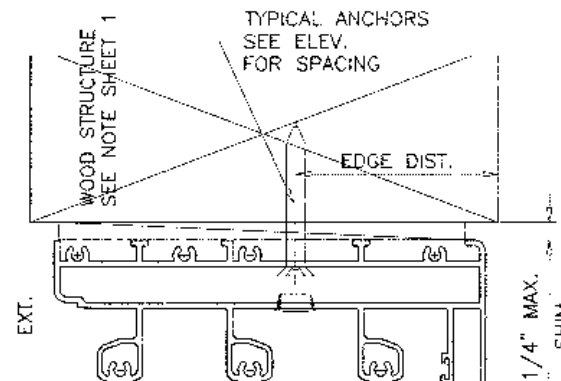
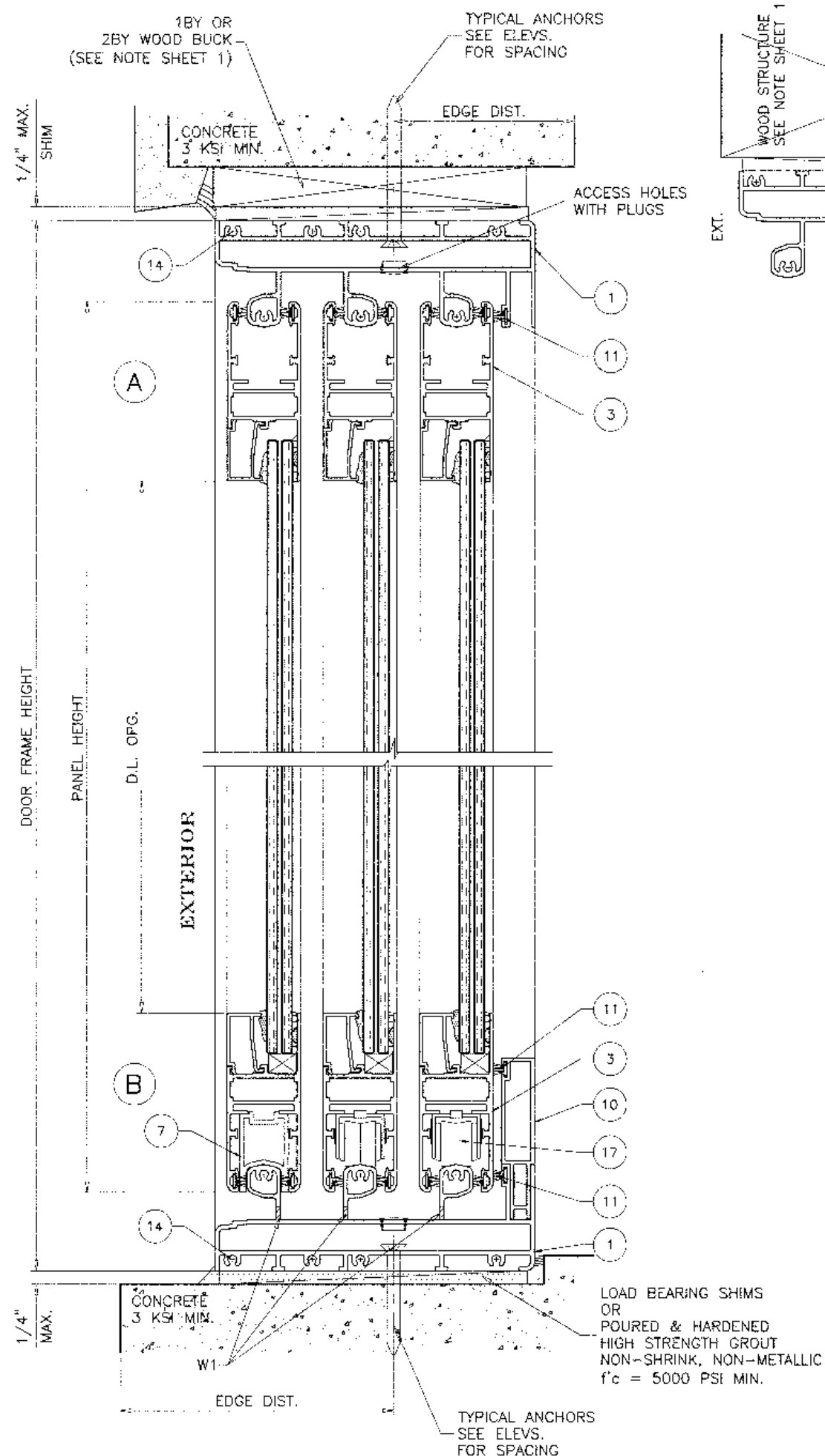
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**20-91F**  
sheet 2 of 6

**AL-FAROOQ CORPORATION**  
ENGINEERS & PRODUCT DEVELOPMENT  
9360 SUNSET DRIVE, SUITE 220  
MIAMI, FLORIDA 33173  
TEL (305) 264-6100 FAX (305) 262-6978  
(C.A.N. 3538)  
COMP-ANL\20-91F-EII



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'** (Fu=164 KSI, Fy=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. (Fy = 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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 COMP-ANL\20-91F-E11

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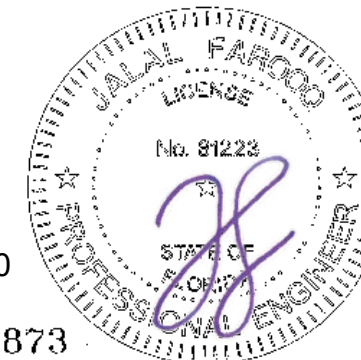
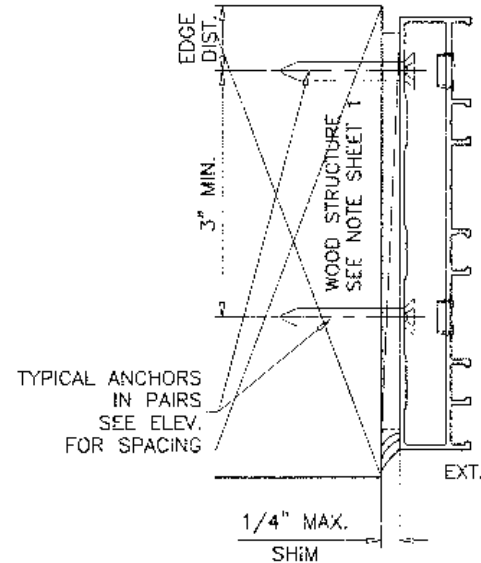
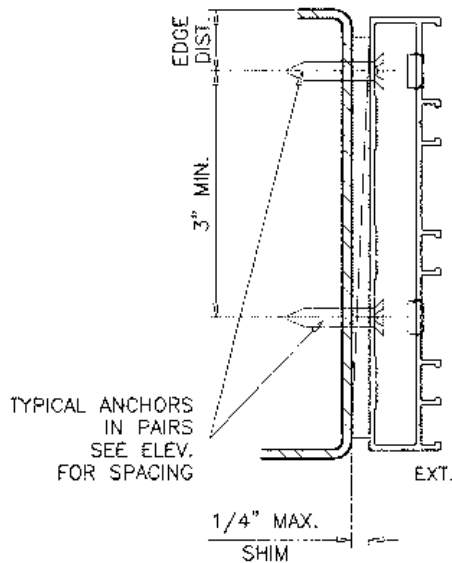
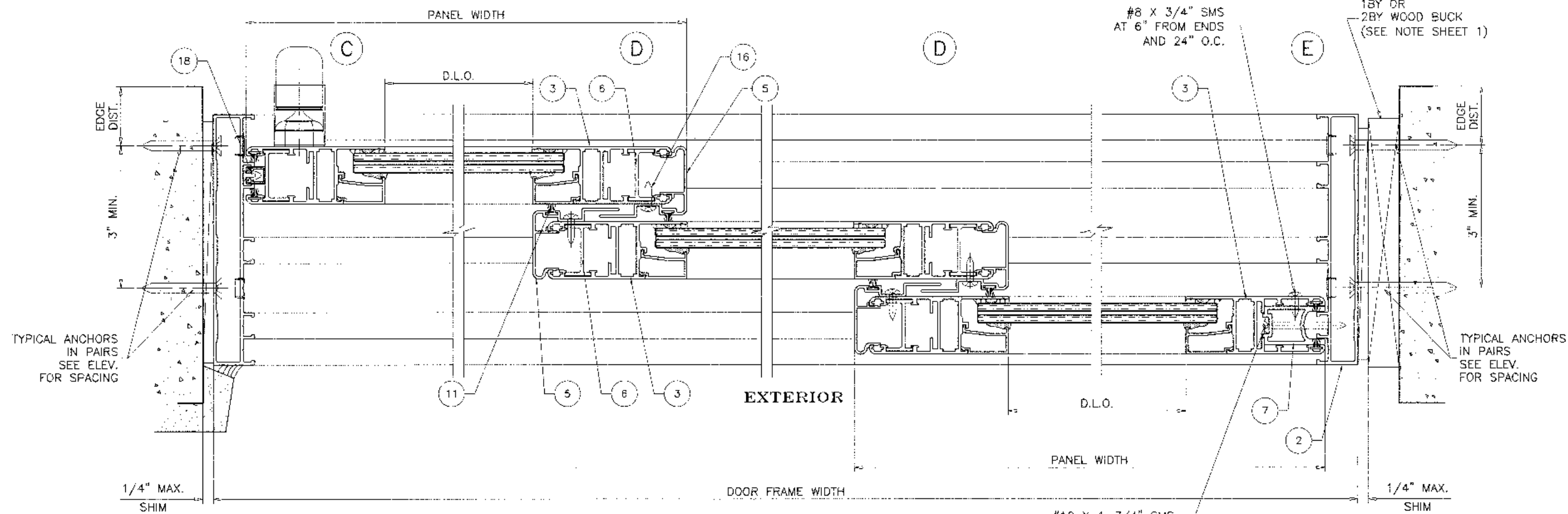
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11-04-20	1"	3/8"	TARIQ	chk. by:
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date: 11-04-20 scale: 3/8" = 1" dr. by: TARIQ

drawing no. **20-91F**

sheet **3** of **6**



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COMP-ANL 20-91F-EI

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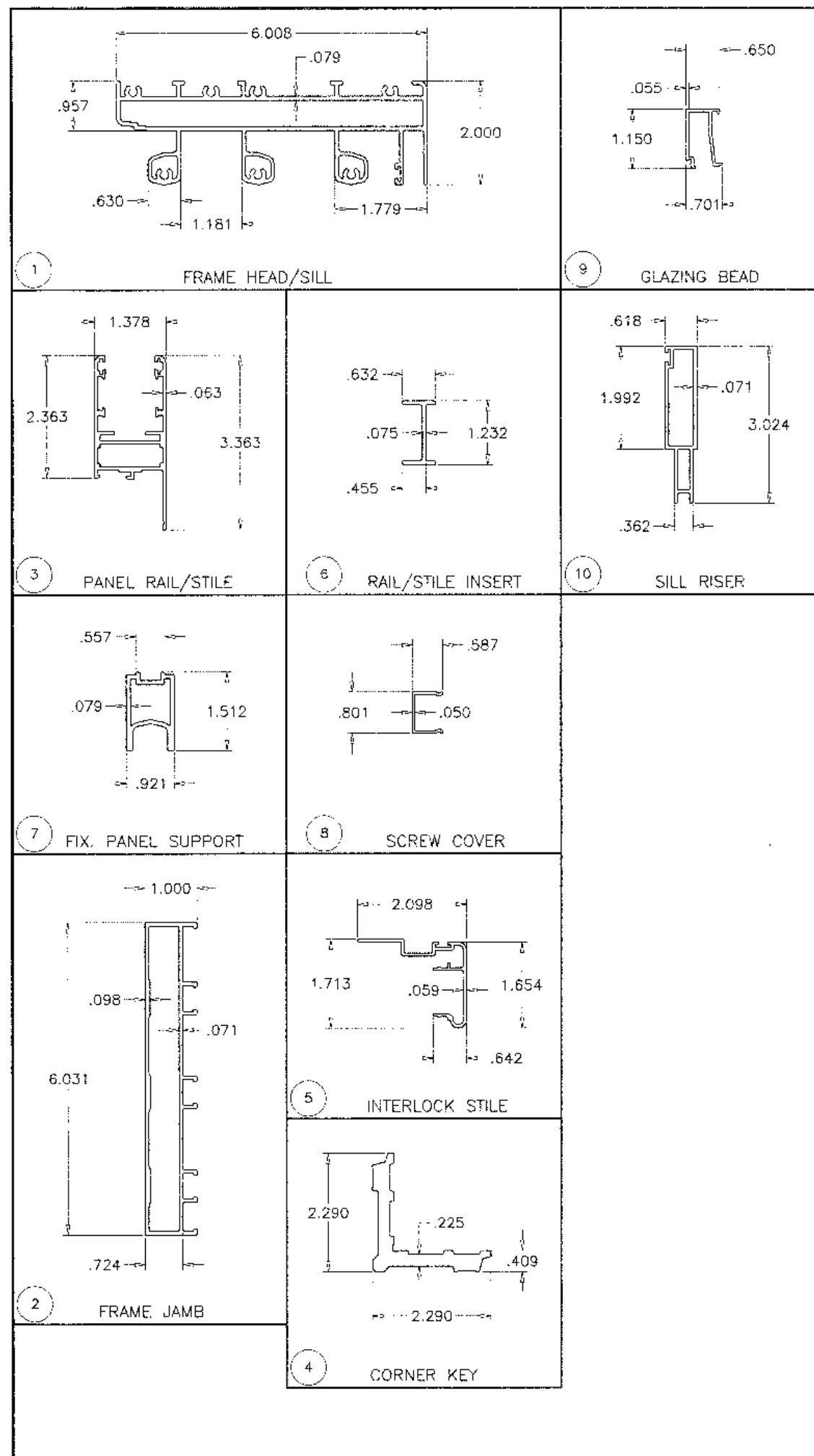
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ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ETS025	2	FRAME HEAD/SILL	6063-T6	-
2	ETS017	2	FRAME JAMB	6063-T6	-
3	ETS001	4/ PANEL	PANEL RAIL/STILE	6063-T6	-
4	ER014	4/ PANEL	CORNER KEY	6063-T6	-
5	ETS006	AS REQD.	INTERLOCK STILE	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:

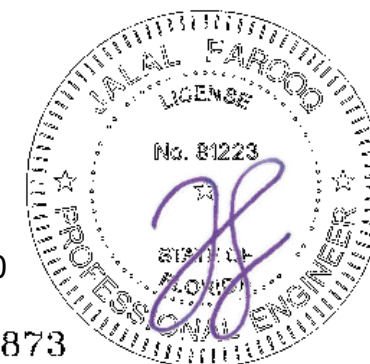
ALL JOINTS AND FRAME CONNECTIONS SEALED WITH WHITE/ALUMINUM COLORED SILICONE.

#### 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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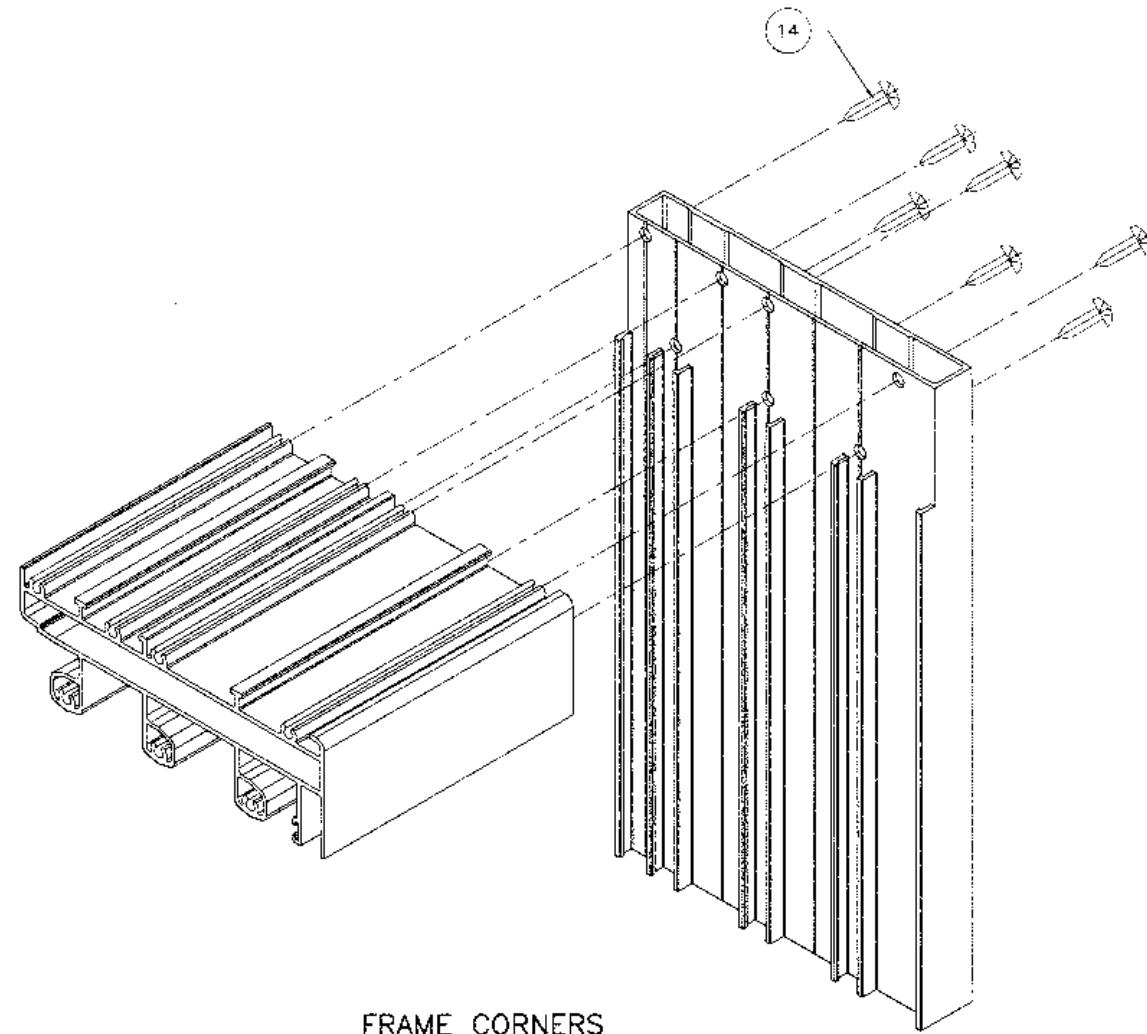
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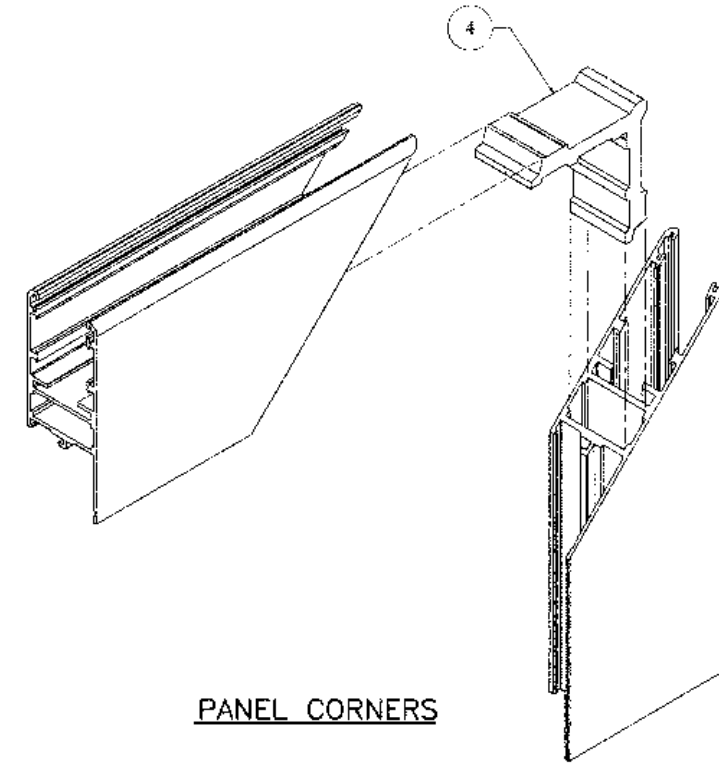
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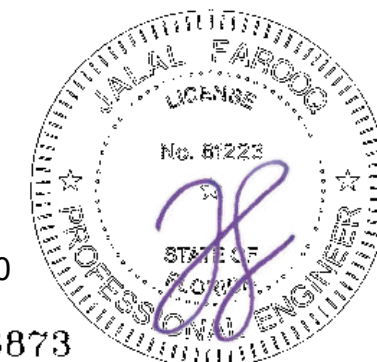
FRAME CORNERS



PANEL CORNERS

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**20-91F**  
 sheet 6 of 6