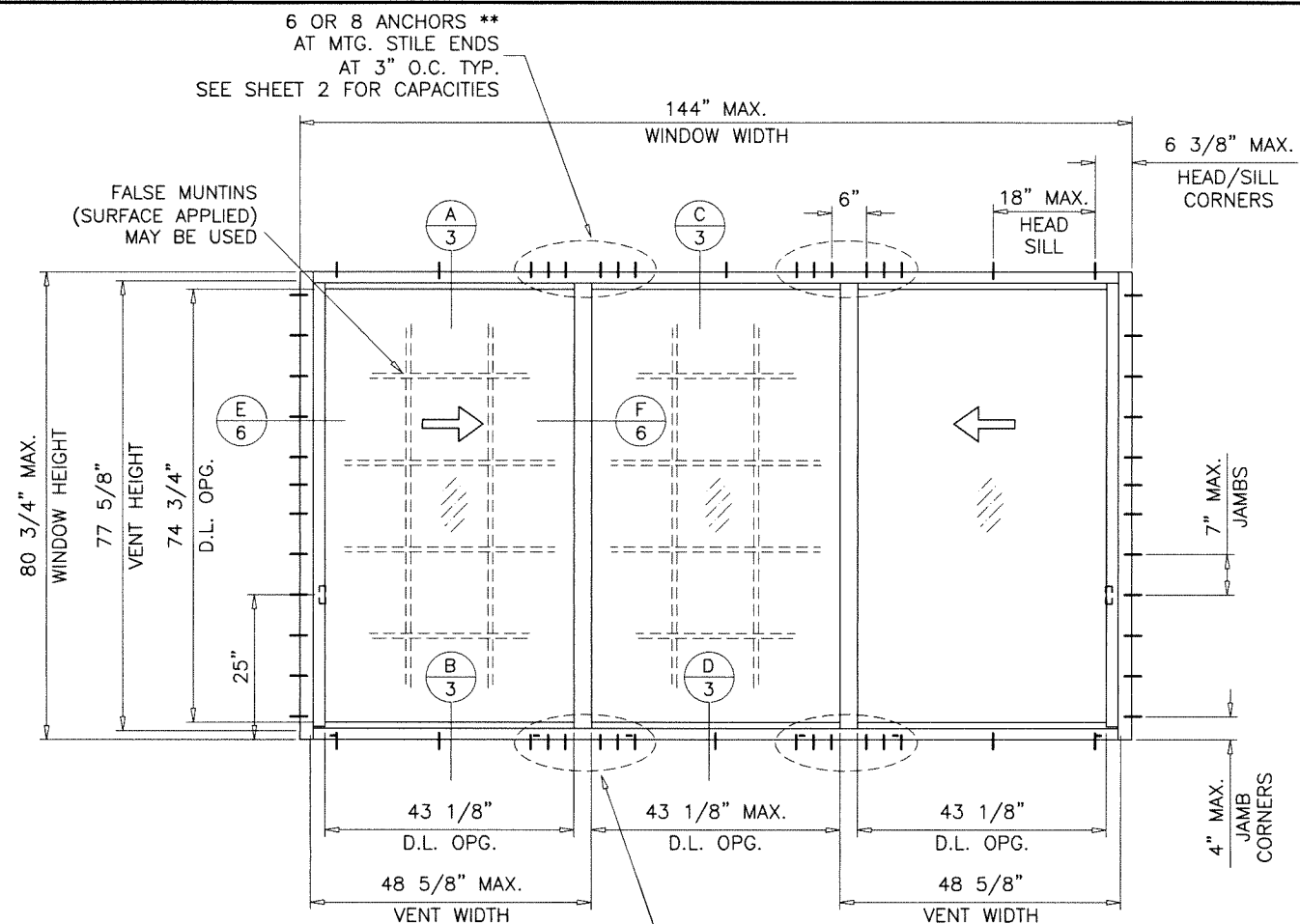
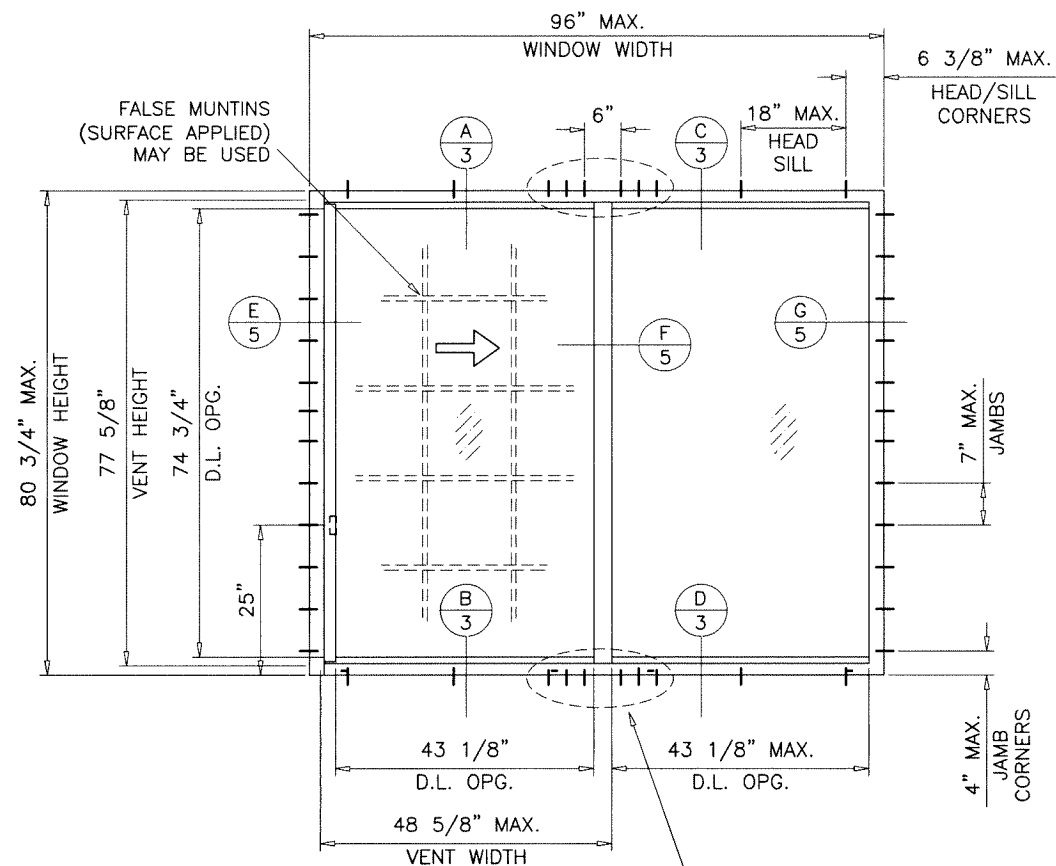




TYPICAL ELEVATIONS
EQUAL LITES

THESE WINDOWS ARE RATED FOR SMALL MISSILE IMPACT.
F.B.C. APPROVED IMPACT RESISTANT SHUTTERS
REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE.
SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

SERIES HR2600-L
ALUMINUM HORIZONTAL SLIDING WINDOW

DESIGN LOAD RATINGS FOR THESE WINDOWS TO BE AS
PER CHARTS SHOWN ON SHEET 2.

APPROVAL APPLIES TO SINGLE UNITS OR SIDE BY SIDE
COMBINATIONS OF H.S./H.S. OR HORIZONTAL SLIDING
WITH OTHER F.B.C. APPR'D 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) 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 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.

LAMINATED GLASS SMALL MISSILE IMPACT

Sealed: 2/13/2025

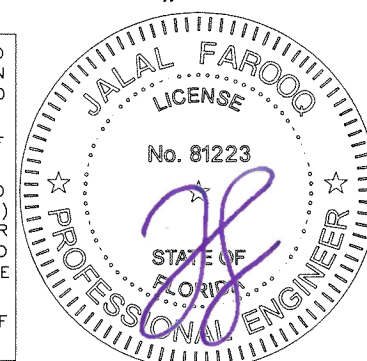
FL #36963

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 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.



drawing no.		sheet 1 of 9	
20-97F			
date: 11-20-20	no date by	revisions:	
scale: 3/8"=1'-0"	A 09.26.23	description	
	B 06.05.24	UPDATED TO 2023 FBC	
	C 02.12.25	W'STRIPPING REV.	
dr. by: TARIQ		ANCHOR NOTE REV.	
chk. by:			

SERIES HR2600-L ALUM HORIZONTAL SLIDING WDW. (S.M.I.)

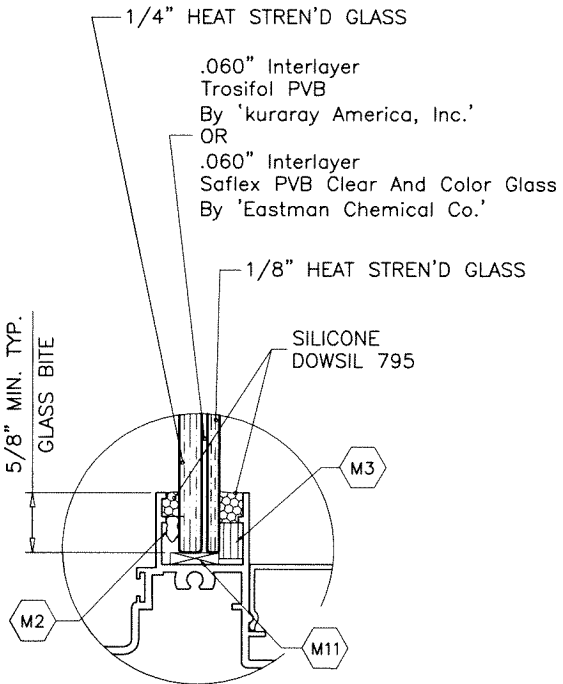
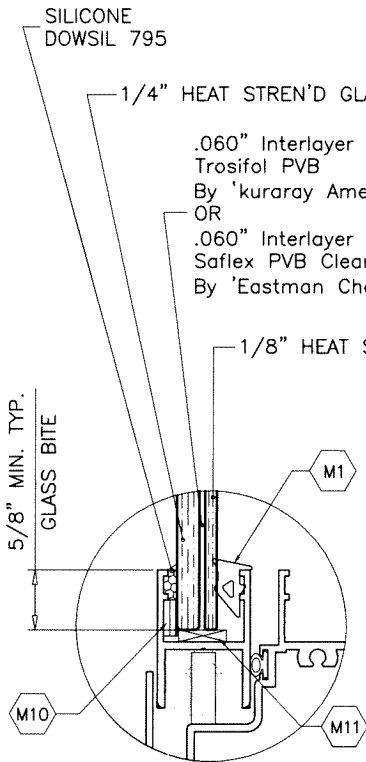
TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142

TEL. (305) 638-5151 FAX. (305) 638-5158

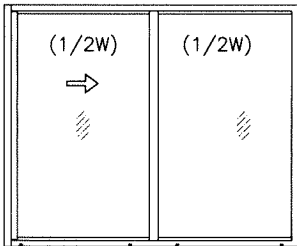
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\20-97F-TG

EQUAL LITES DESIGN LOAD CAPACITY - PSF (XO OR OX SIZES)				
WINDOW DIMS.		1/4" SHIM	3/8" SHIM SPACE	
		6 ANCHORS	6 ANCHORS	8 ANCHORS
WIDTH	HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
36"	36"	120.0	120.0	120.0
48"		120.0	120.0	120.0
60"		120.0	120.0	120.0
72"		120.0	120.0	120.0
84"		120.0	120.0	120.0
96"		120.0	120.0	120.0
108"		120.0	120.0	120.0
112"		120.0	120.0	120.0
36"	48"	120.0	120.0	120.0
48"		120.0	120.0	120.0
60"		120.0	120.0	120.0
72"		120.0	120.0	120.0
84"		120.0	120.0	120.0
96"		120.0	120.0	120.0
108"		120.0	120.0	120.0
112"		120.0	120.0	120.0
36"	60"	120.0	120.0	120.0
48"		120.0	120.0	120.0
60"		120.0	120.0	120.0
72"		120.0	120.0	120.0
84"		120.0	120.0	120.0
96"		120.0	110.0	120.0
108"		120.0	114.1	120.0
112"		120.0	110.0	120.0
36"	72"	120.0	120.0	120.0
48"		120.0	120.0	120.0
60"		120.0	110.0	120.0
72"		120.0	100.0	120.0
84"		120.0	91.7	120.0
96"		120.0	98.8	120.0
108"		120.0	98.8	120.0
112"		120.0	98.8	120.0
36"	80-3/4"	120.0	120.0	120.0
48"		120.0	120.0	120.0
60"		120.0	109.0	120.0
72"		120.0	98.1	120.0
84"		120.0	89.2	118.9
96"		117.7	81.8	109.0
108"		117.7	81.8	109.0



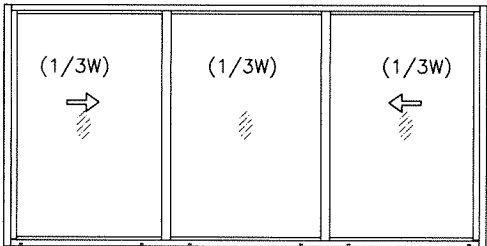
GLAZING DETAILS



OPERATING VENTS TO BE 1/2 OF THE WDW. WIDTH

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

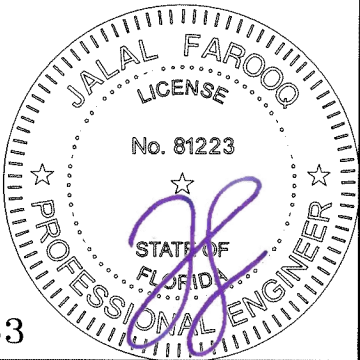
EQUAL LITES DESIGN LOAD CAPACITY - PSF (XOX SIZES)				
WINDOW DIMS.		1/4" SHIM	3/8" SHIM SPACE	
		6 ANCHORS	6 ANCHORS	8 ANCHORS
WIDTH	HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
84"	36"	120.0	120.0	120.0
96"		120.0	120.0	120.0
108"		120.0	120.0	120.0
120"		120.0	120.0	120.0
132"		120.0	120.0	120.0
144"		120.0	120.0	120.0
156"		120.0	120.0	120.0
161-5/8"		120.0	120.0	120.0
84"	48"	120.0	120.0	120.0
96"		120.0	120.0	120.0
108"		120.0	120.0	120.0
120"		120.0	120.0	120.0
132"		120.0	120.0	120.0
144"		120.0	120.0	120.0
156"		120.0	120.0	120.0
161-5/8"		120.0	120.0	120.0
84"	60"	120.0	120.0	120.0
96"		120.0	120.0	120.0
108"		120.0	120.0	120.0
120"		120.0	120.0	120.0
132"		120.0	120.0	120.0
144"		120.0	110.0	120.0
156"		120.0	114.1	120.0
161-5/8"		120.0	110.0	120.0
84"	72"	120.0	120.0	120.0
96"		120.0	120.0	120.0
108"		120.0	110.0	120.0
120"		120.0	100.0	120.0
132"		120.0	91.7	120.0
144"		120.0	98.8	120.0
156"		120.0	98.0	120.0
161-5/8"		120.0	98.0	120.0
84"	80-3/4"	120.0	120.0	120.0
96"		120.0	120.0	120.0
108"		120.0	109.0	120.0
120"		120.0	98.1	120.0
132"		120.0	89.2	118.9
144"		117.7	81.8	109.0
156"		117.7	81.8	109.0



OPERATING VENTS TO BE 1/3 OF THE WDW. WIDTH

Sealed: 2/13/2025

FL #36963



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9360 SUNSET DRIVE, SUITE 220
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TECNOGLASS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
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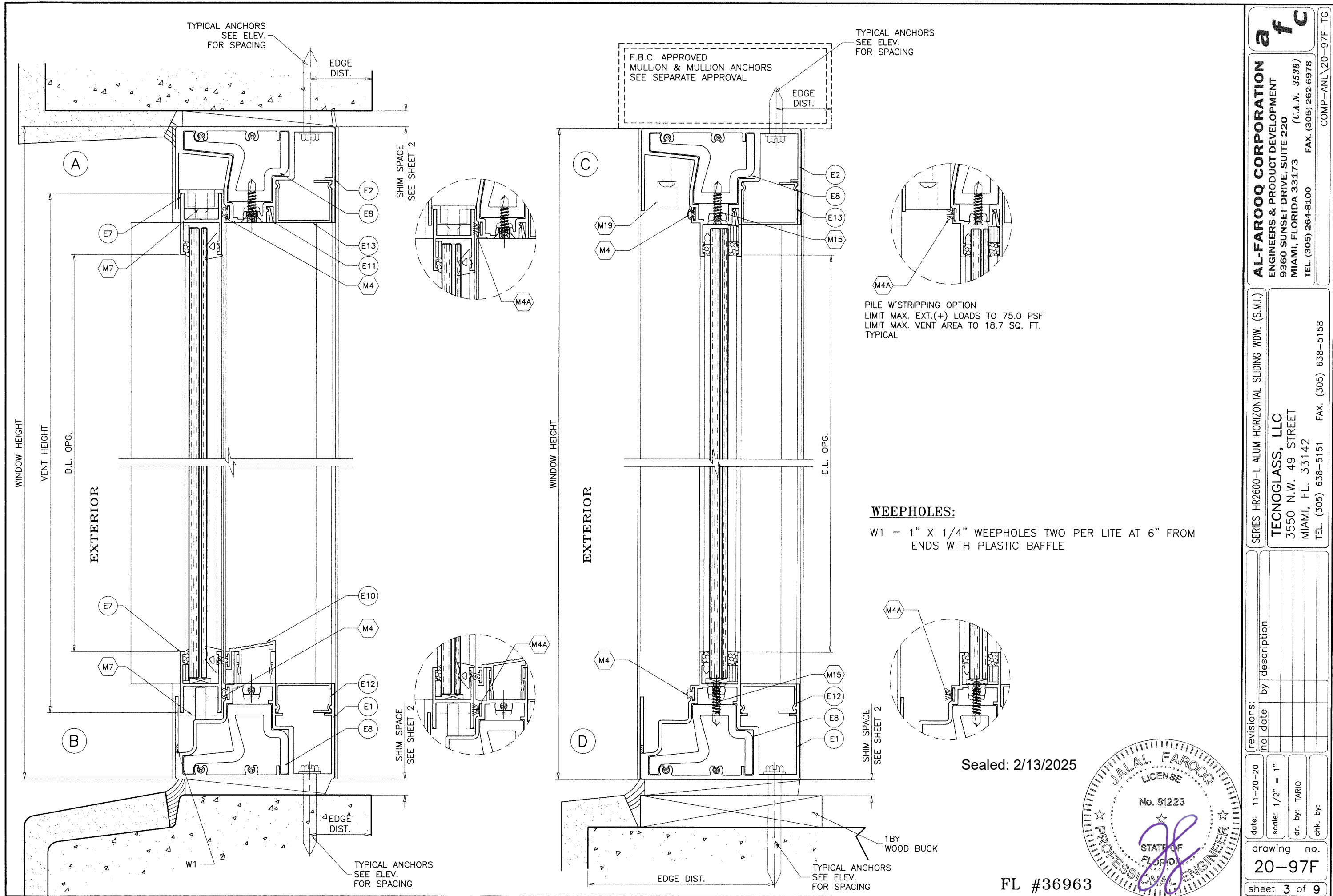
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20-97F
sheet 2 of 9

COMP-ANL 20-97F-TG

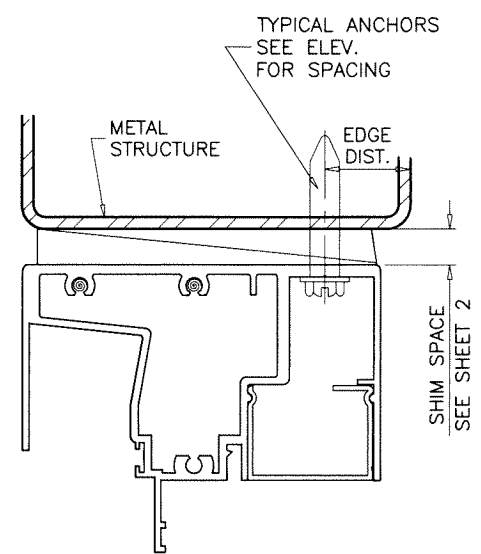
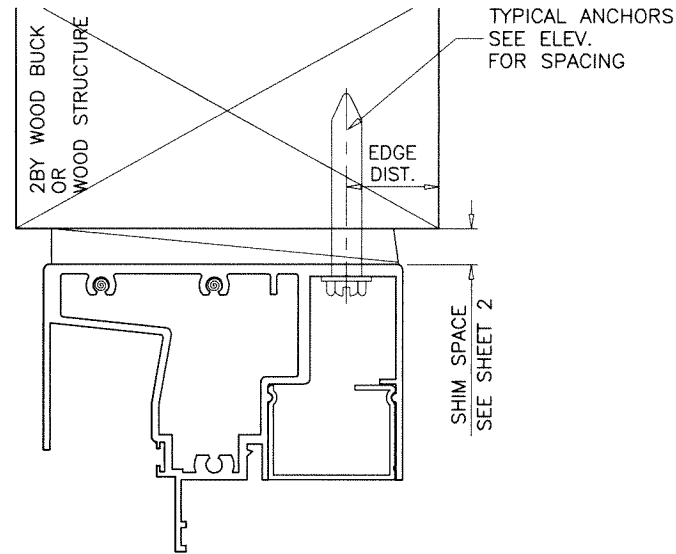
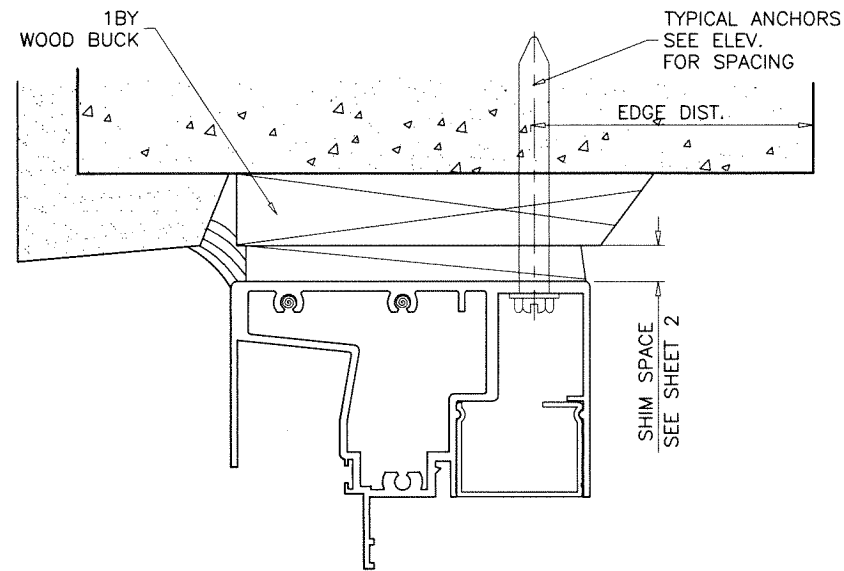
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COMP-ANL\20-97F-TG



1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'TECNOGLASS' 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

AND

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)

CRITICAL EDGE DISTANCE

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

INTO WOOD STRUCTURE = 1" MIN.

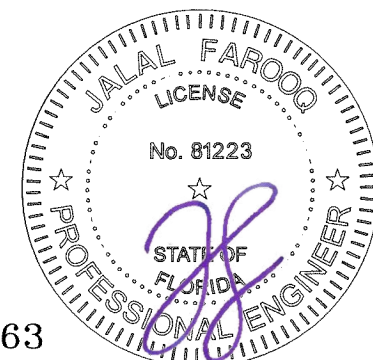
INTO METAL STRUCTURE = 3/4" MIN.

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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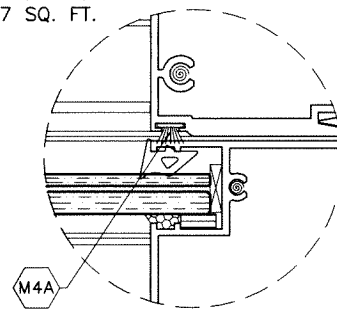
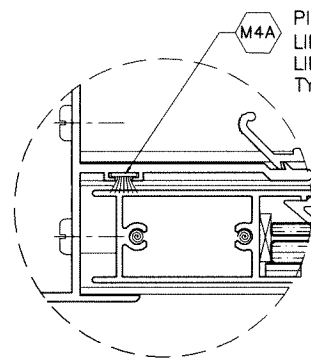
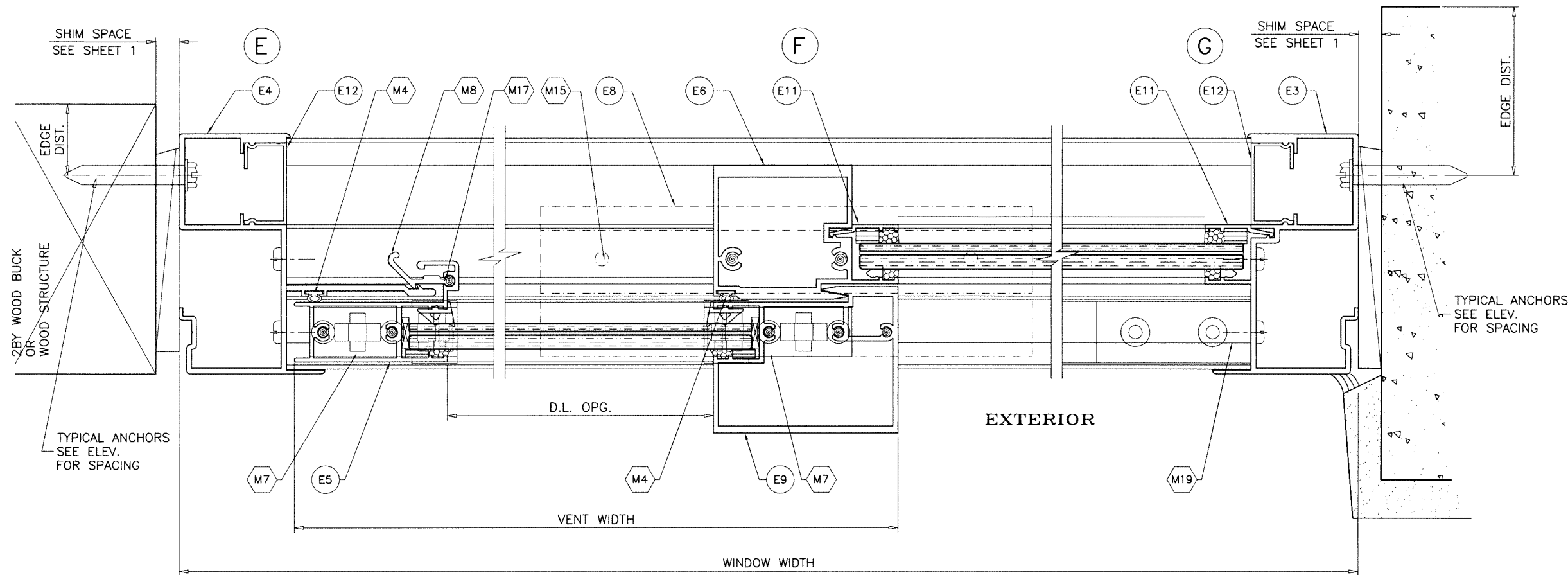
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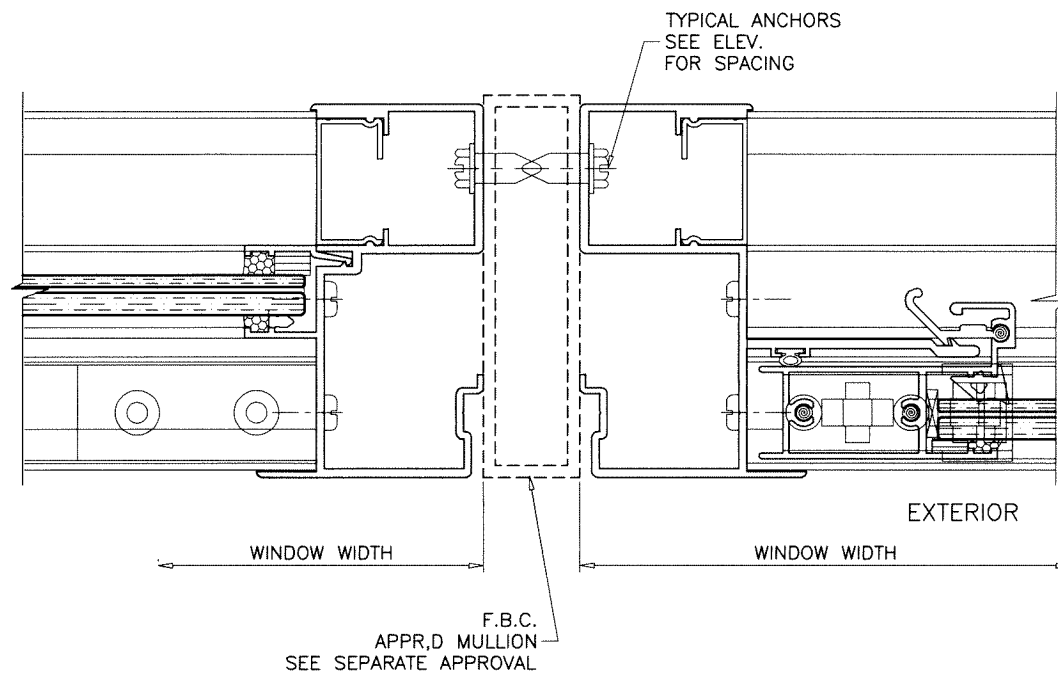
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chk.	by:				

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20-97F

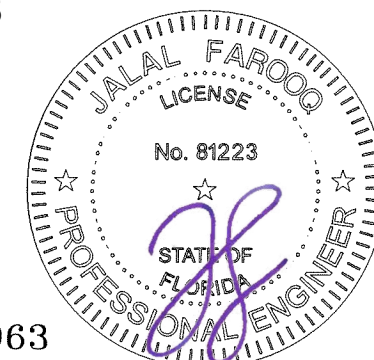
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XO LAYOUT
OX OPPOSITE



Sealed: 2/13/2025



FL #36963

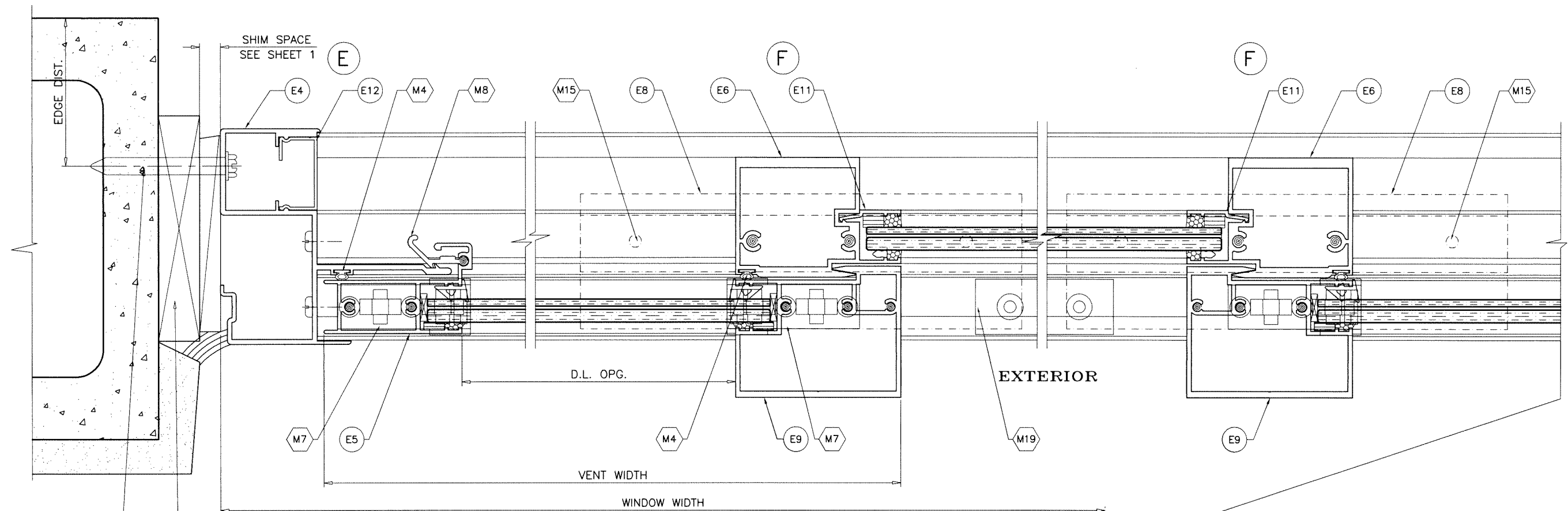
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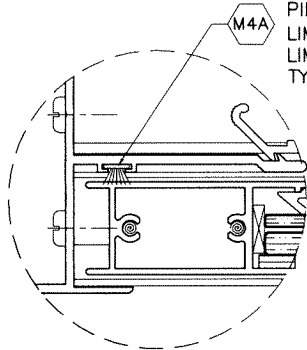
TECNOGLASS, LLC
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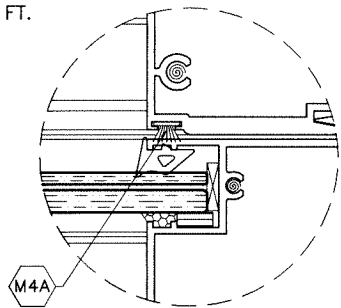


TYPICAL ANCHORS
SEE ELEV.
FOR SPACING

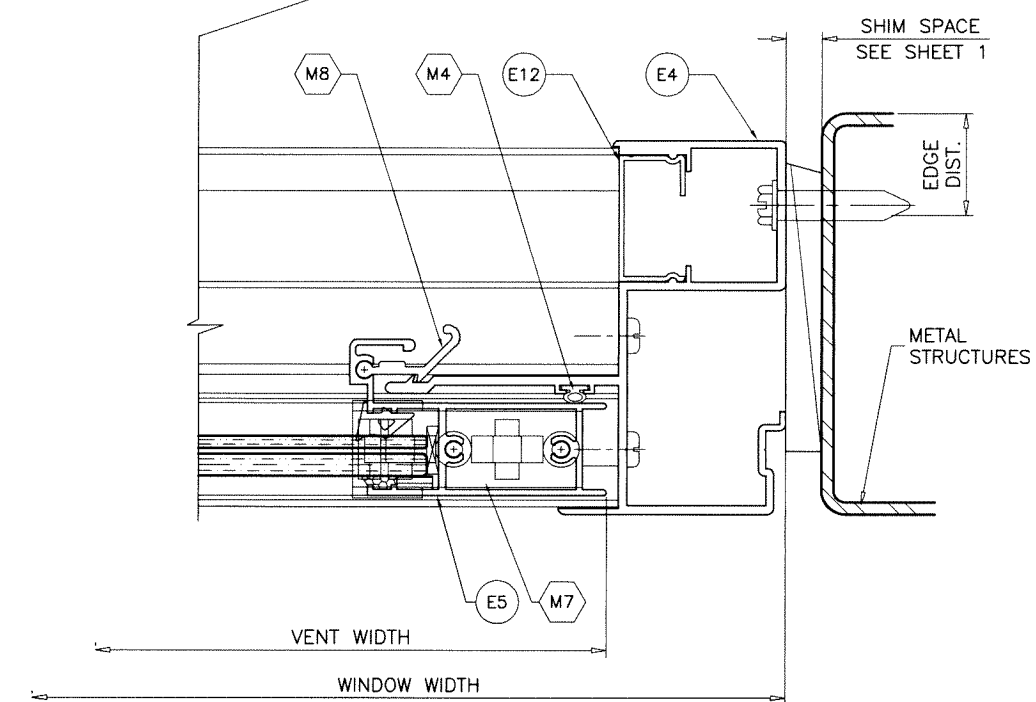
1BY
WOOD BUCKS



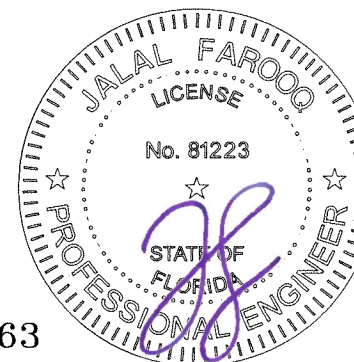
PILE W'STRIPPING OPTION
LIMIT MAX. EXT.(+) LOADS TO 75.0 PSF
LIMIT MAX. VENT AREA TO 18.7 SQ. FT.
TYPICAL



XOX LAYOUT



Sealed: 2/13/2025



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af c

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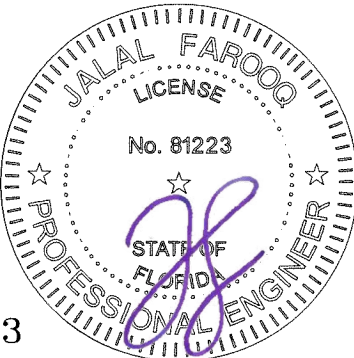
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20-97F
sheet 6 of 9

ITEM	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	HR2600-001	1	FRAME SILL	6005-T5	-
E2	HR2600-002	1	FRAME HEAD	6063-T6	-
E3	HR2600-003	AS REQD.	FRAME JAMB @ FIXED SIDE	6063-T6	-
E4	HR2600-004	AS REQD.	FRAME JAMB @ MOVING SIDE	6063-T6	-
E5	HR2600-005	1/ VENT	JAMB STILE	6063-T6	-
E6	HR2600-007	1/ VENT	FRAME MEETING STILE	6063-T6	-
E7	HR2600-008	2/ VENT	VENT TOP & BOTTOM RAIL	6063-T6	-
E8	HR2600-011	AS REQD.	MEETING STILE END SUPPORT, 8" LONG	6063-T6	AT FIX. MTG. RAIL LOCATIONS
E9	HR2600-020	1/ VENT	STD. VENT INTERLOCK	6005-T5	
E10	HR2600-021	AS REQD.	INSIDE COVER	6063-T6	-
E11	500Y-007	AS REQD.	GLAZING BEAD	6063-T6	-
E12	HR2600-015	AS REQD.	SILL AND JAMB ANCHOR COVER	6063-T6	-
E13	HR2600-016	AS REQD.	HEAD ANCHOR COVER	6063-T6	-
M1	ES-U3525-G02A	AS REQD.	VENT INTERIOR GASKET	SILICONE	DUROMETER 70±5, SHORE A
M2	ES-H340-G05	AS REQD.	FIX. LITE EXTERIOR GASKET	SILICONE	DUROMETER 70±5, SHORE A
M3	T-BOND V2208	AS REQD.	FIX. LITE INTERIOR TAPE (1/4" X 3/8")	-	-
M4	Q300T270-U53	AS REQD.	FABRIC COATED FOAM W'STRIPPING	EPDM	Q-LON
M4A	W73305NK	AS REQD.	PILE WITH FIN W'STRIPPING	WOOL	-
M6	TR2-18018P-HK-A	2/ VENT	WHEEL	POLYAMIDE	-
M7	P-032	2/ VENT	WHEEL RETAINER HOUSING	ACETAL	-
M8	HR2600-012	1/ VENT	ALUM FINGER LOCK (3" LONG)	6063-T6	-
M9	P-066	AS REQD.	BUMPER (OPTIONAL)	NEOPRENE	-
M10	V2206	AS REQD.	3/16" FOAM ADHESIVE SINGLE FACE TAPE	POLYPROPYLENE	-
M11	80-372	2/ LITE	1/8" X 1/2" X 4" LG. SETTING BLOCK AT SILL	-	AT 6" FROM ENDS
M13	#10 X 1"	AS REQD.	FRAME ASSEMBLY FASTENERS	ST/ST	PH. PHL. SMS
M14	#14 X 3/4"	AS REQD.	MEETING STILE ASSEMBLY SCREWS	ST/ST	PH. SMS
M15	#14 X 1"	2/ SUPPORT	MEETING STILE END SUPPORT ASSEMBLY SCREWS	ST/ST	FH. SMS
M17	#10 X 1"	AS REQD.	VENT ASSEMBLY FASTENERS	ST/ST	FH SMS
M18	1222	AS REQD.	PLASTIC WEEP HOLE FLAP	-	-
M19	P-038	AS REQD.	BUMPER	NYLON	-

SEALANTS:

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

Sealed: 2/13/2025



FL #36963

a f c

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no date by description

date: 11-20-20

scale: 1/2" = 1"

dr. by: TARIQ

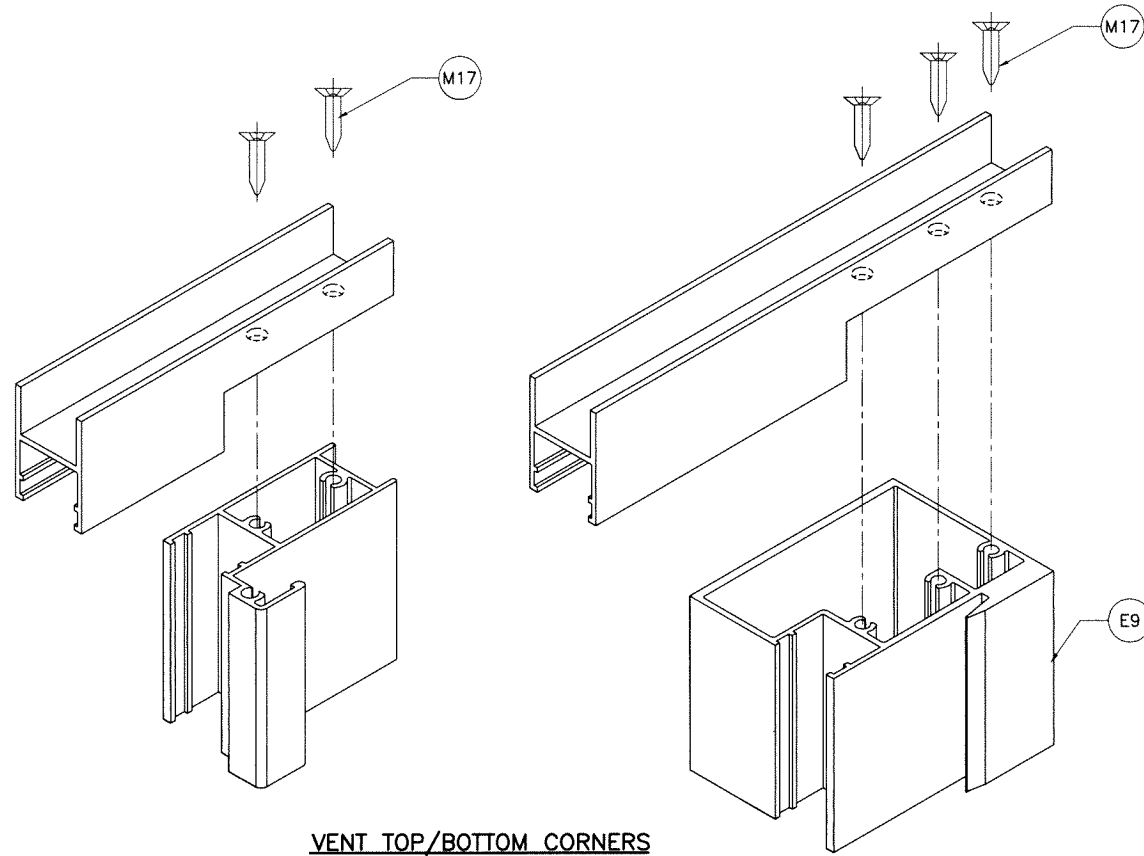
chk. by:

drawing no.

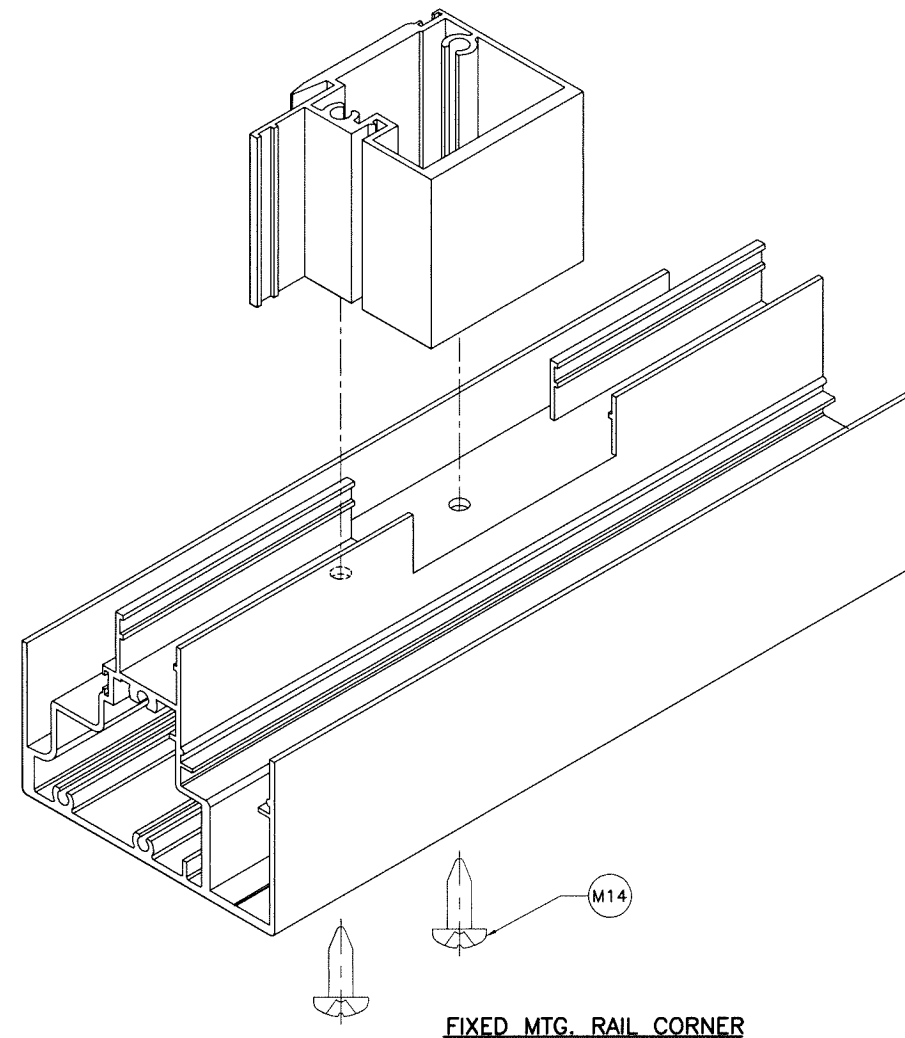
20-97F

sheet 7 of 9

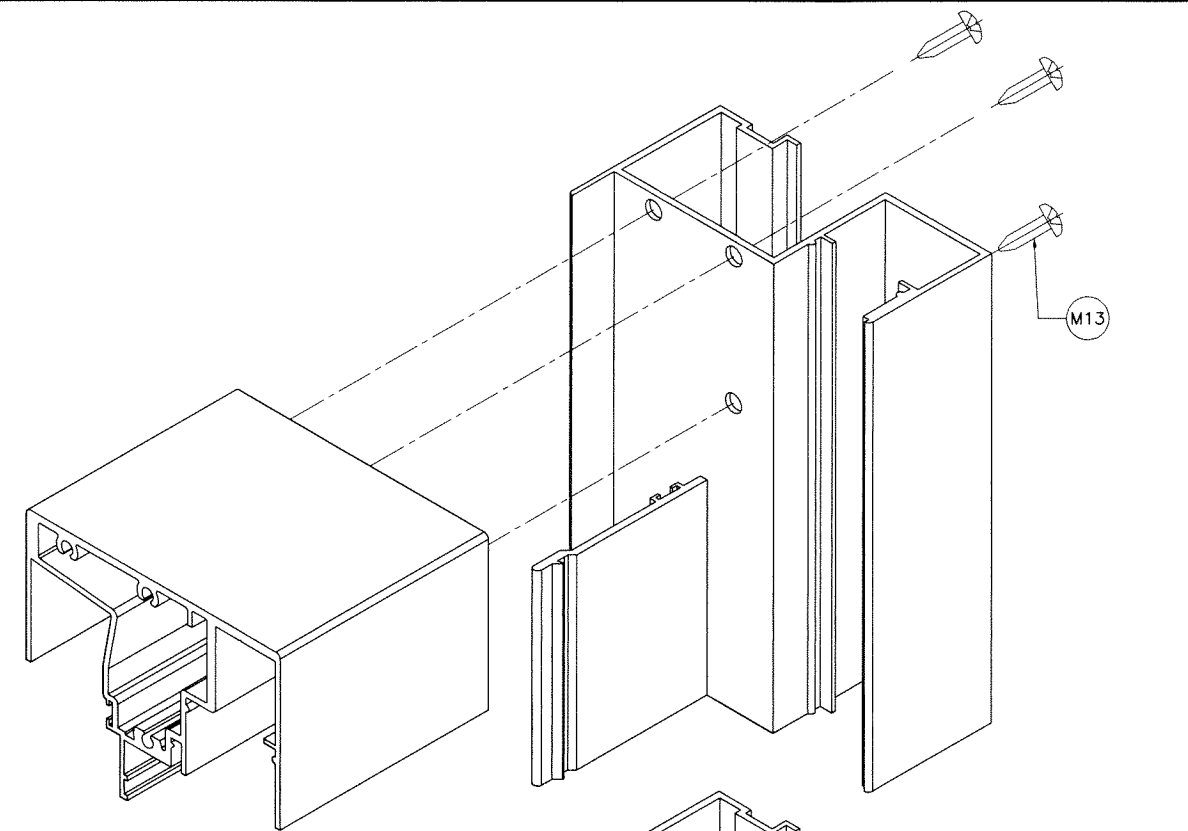
COMP-ANL\20-97F-TG



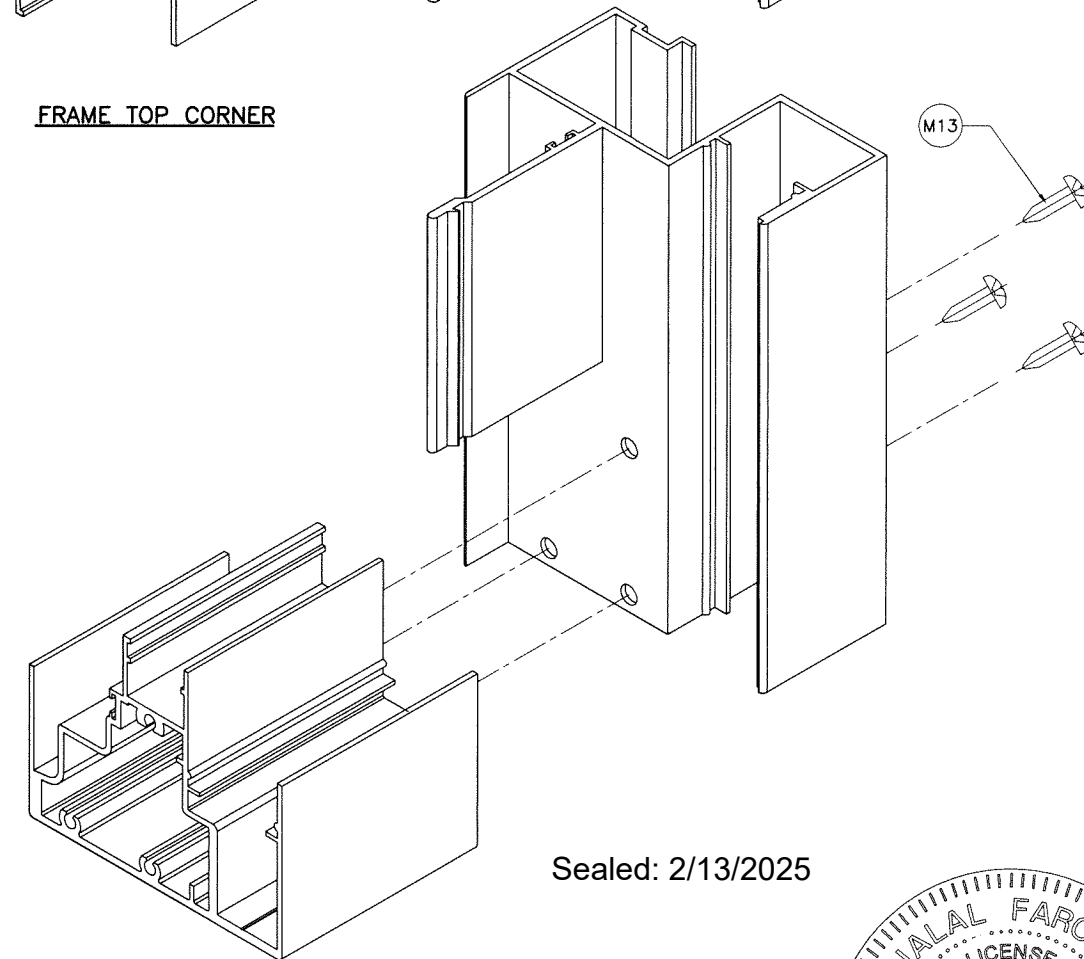
VENT TOP/BOTTOM CORNERS



FIXED MTG. RAIL CORNER

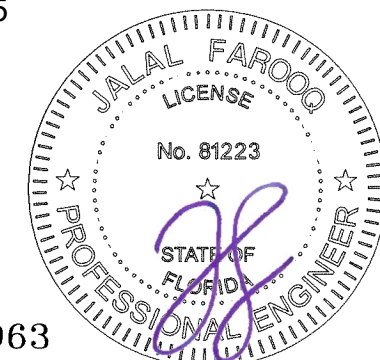


FRAME TOP CORNER



FRAME BOTTOM CORNER

Sealed: 2/13/2025



FL #36963

af c
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revisions:		date:		scale:		dr. by:		chk. by:		drawing no.		sheet	
no	date	no	date	1/2" = 1"	1/2" = 1"	TARIQ				20-97F		9	of 9

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