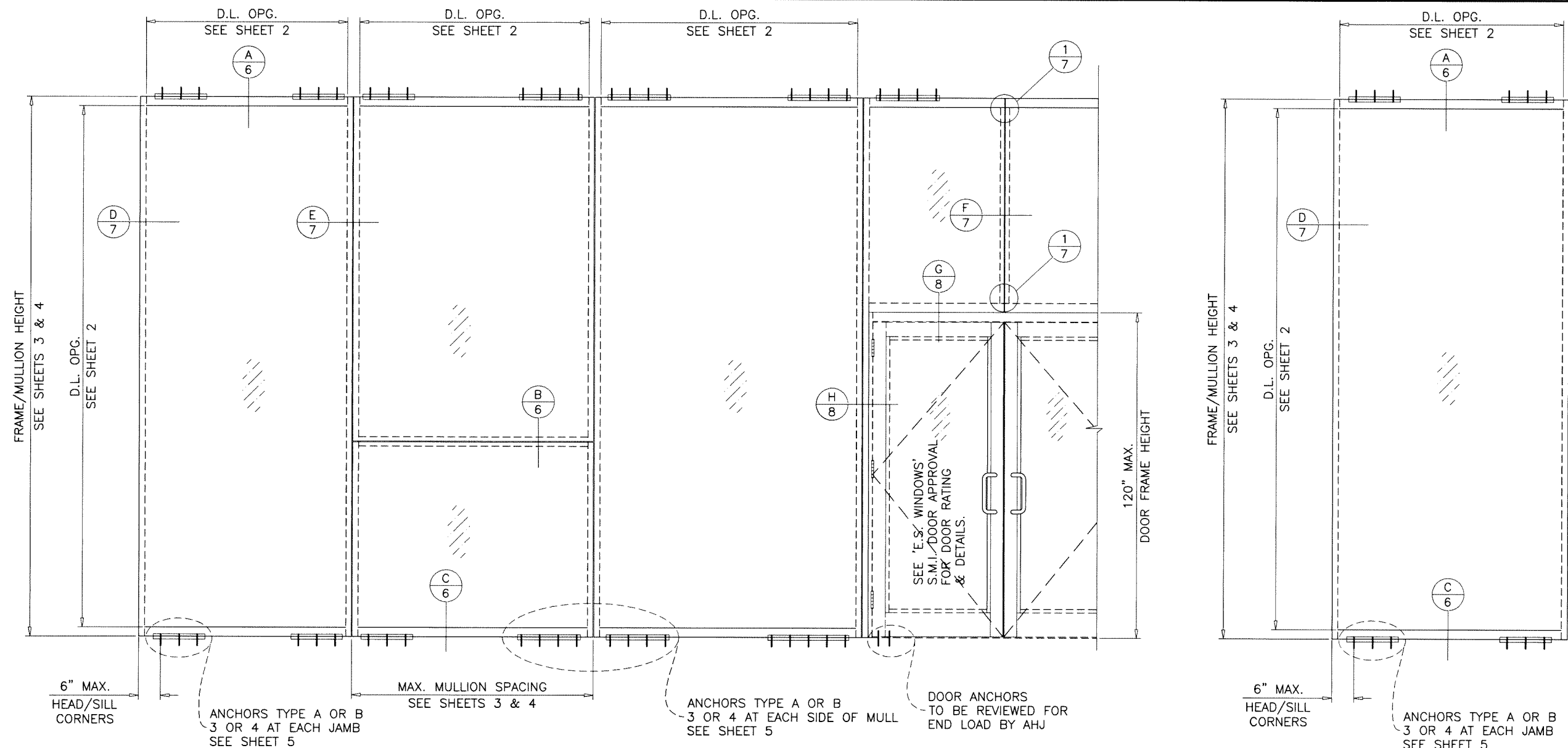




TYPICAL ELEVATIONS

SINGLE 'O' PANEL:
 FRAME WIDTH = D.L.O. WIDTH + 3.125"
 FRAME HEIGHT = D.L.O. HEIGHT + 5.00"

**ES-WW8832-A
 ALUMINUM WINDOW WALL SYSTEM**

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH 'E.S. WINDOWS' APPR'D SMALL MISSILE IMPACT RESISTANT DOORS. LOWER DESIGN PRESSURE FROM WINDOW WALL SYSTEM OR DOOR APPROVAL WILL APPLY TO ENTIRE SYSTEM.

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).

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.

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)'.

WINDOW WALL SYSTEM WITH DOORS LIMITED TO
 MAX. Dp = ±100.0 PSF
 MAX. DOOR FRAME HEIGHT = 120"
 MAX. DOOR FRAME WIDTH = 90"

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND PRESSURE REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** SEE CHARTS ON SHEET 2 FOR GLASS DESIGN LOAD CAPACITY.
- STEP 3** CHECK MULLION DESIGN LOAD CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 3 & 4 THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 4** USING CHARTS ON SHEET 5 SELECT ANCHOR OPTION WITH DESIGN LOAD CAPACITY MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM.
- STEP 6** FOR SYSTEMS WITH UNANCHORED JAMBS (FREE JAMBS), USING SHEET 7, DETERMINE THE MIN. & MAX. GAP DIMENSIONS.

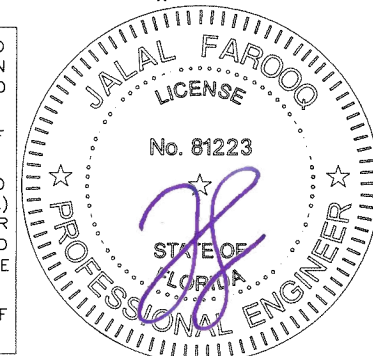
WINDOW WALL SYSTEM COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.

THIS SYSTEM IS 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.

Sealed: 10/4/2023

FL #21875

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.



AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 STORE\20-14F-ES

ES-WW8832-A ALUM WINDOW WALL SYSTEM (S.M.I.)
E.S. WINDOWS, LLC
 3550 N.W. 49 STREET
 MIAMI, FL. 33142
 TEL. (305) 638-5151 FAX. (305) 638-5158

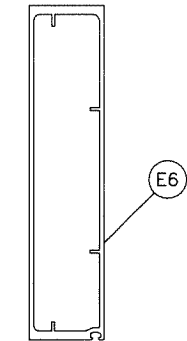
no	date	by	description
A	07.01.20		UPDATED TO 2020 FBC
B	09.26.23		UPDATED TO 2023 FBC

revisions:

date: 02-18-20
 scale: 3/8"=1'-0"
 dr. by: TARIQ
 chk. by:

drawing no.
20-14F
 sheet 1 of 11

MULLION LOAD CAPACITY - PSF			
NOMINAL DIMS.		JAMB 'J1'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30"	96"	140.0	140.0
36"		140.0	140.0
42"		140.0	140.0
48"		140.0	140.0
49-3/8"		140.0	140.0
49-5/8"		140.0	140.0
52-1/2"		100.0	130.0
54-1/2"		100.0	130.0
30"	108"	140.0	140.0
36"		140.0	140.0
42"		139.4	139.4
48"		121.9	130.0
49-3/8"		118.6	130.0
49-5/8"		118.0	130.0
52-1/2"		100.0	130.0
54-1/2"		100.0	130.0
30"	109"	140.0	140.0
36"		140.0	140.0
42"		136.6	136.6
48"		119.5	130.0
49-3/8"		116.2	130.0
49-5/8"		115.6	130.0
52-1/2"		100.0	130.0
54-1/2"		100.0	130.0
30"	120"	140.0	140.0
36"		129.1	130.0
42"		110.7	130.0
48"		100.0	130.0
49-3/8"		100.0	130.0
49-5/8"		100.0	130.0
52-1/2"		100.0	126.1
54-1/2"		100.0	120.9
30"	121-1/2"	140.0	140.0
36"		100.0	130.0
42"		100.0	130.0
48"		100.0	130.0
49-5/8"		100.0	129.4
52-1/2"		100.0	122.9
54-1/2"		100.0	117.8
30"	124"	100.0	130.0
36"		100.0	130.0
42"		100.0	130.0
48"		100.0	128.2
52-1/2"		100.0	117.7
54-1/2"		100.0	112.9
30"	132"	100.0	130.0
36"		100.0	130.0
42"		100.0	128.4
48"		100.0	112.3
52-1/2"		100.0	103.2
54-1/2"		98.9	98.9



JAMB 'J1'

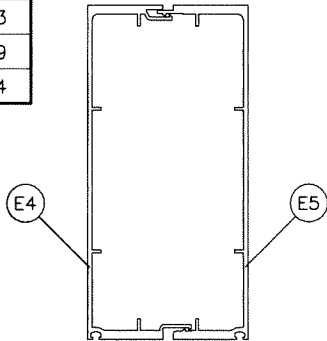
Ix IN^4	Sx IN^3
11.588	3.281

MULLION LOAD CAPACITY - PSF			
NOMINAL DIMS.		JAMB 'J1'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30"	144"	100.0	130.0
36"		100.0	124.6
42"		100.0	106.8
48"		93.5	93.5
52-1/2"		85.9	85.9
54-1/2"		82.3	82.3
30"	156"	100.0	126.2
36"		100.0	105.2
42"		90.2	90.2
48"		78.9	78.9
52-1/2"		72.5	72.5
54-1/2"		69.5	69.5

INTERPOLATION BETWEEN WIDTHS AND HEIGHTS ALLOWED.

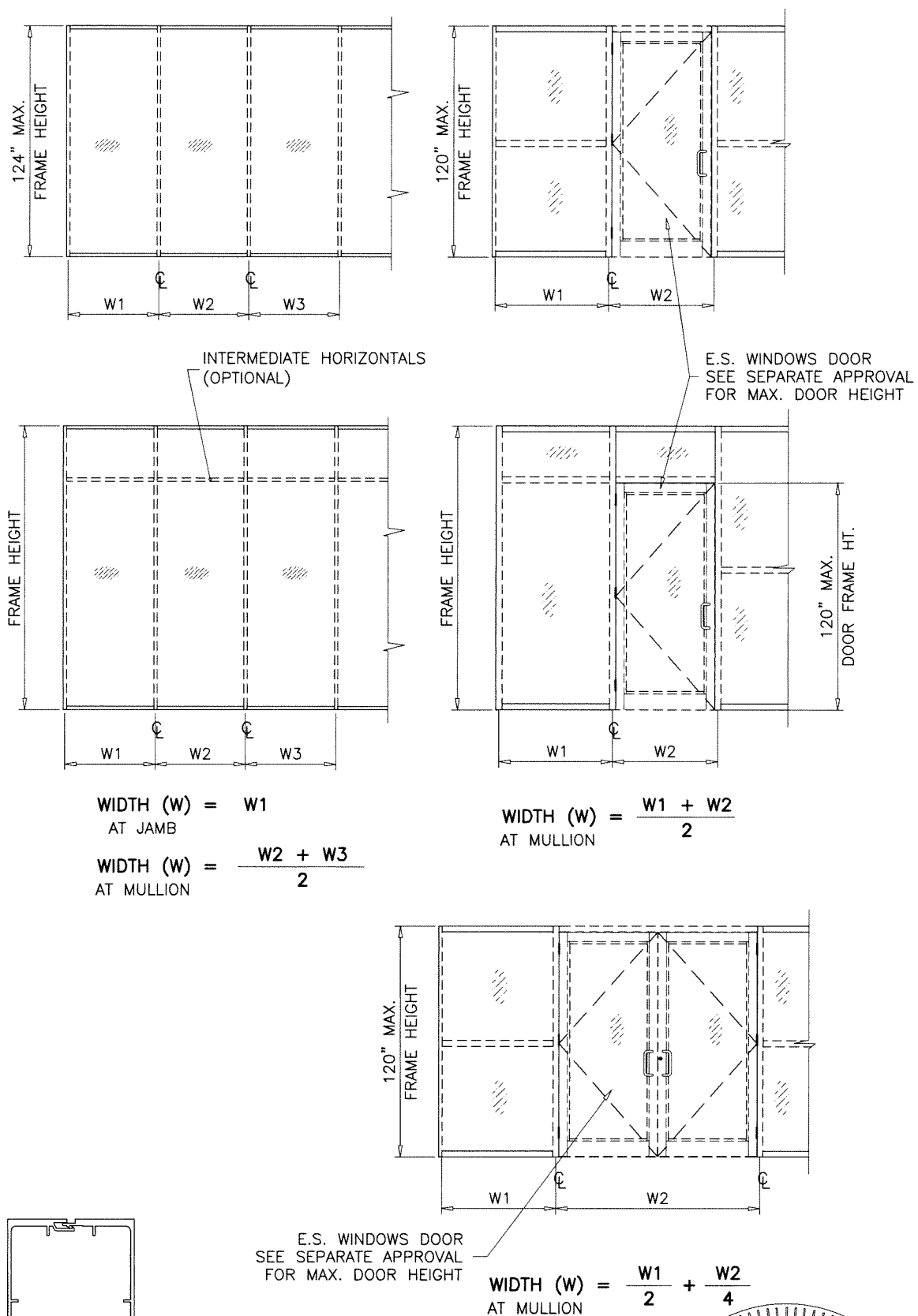
MULLION LOAD CAPACITY - PSF			
NOMINAL DIMS.		MULLION 'M1'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(-)
30"	96"	140.0	140.0
36"		140.0	140.0
42"		140.0	140.0
48"		140.0	140.0
49-3/8"		140.0	140.0
49-5/8"		140.0	140.0
52-1/2"		100.0	130.0
54-1/2"		100.0	130.0
30"	108"	140.0	140.0
36"		140.0	140.0
42"		140.0	140.0
48"		121.9	130.0
49-3/8"		118.6	130.0
49-5/8"		118.0	130.0
52-1/2"		100.0	130.0
54-1/2"		100.0	130.0
30"	109"	140.0	140.0
36"		140.0	140.0
42"		136.6	136.6
48"		119.5	130.0
49-3/8"		116.2	130.0
49-5/8"		115.6	130.0
52-1/2"		100.0	130.0
54-1/2"		100.0	130.0
30"	120"	140.0	140.0
36"		129.1	130.0
42"		110.7	130.0
48"		100.0	124.4
49-5/8"		100.0	120.4
52-1/2"		100.0	114.3
54-1/2"		100.0	109.6
30"	121-1/2"	140.0	140.0
36"		140.0	140.0
42"		107.7	130.0
48"		100.0	121.3
49-5/8"		100.0	117.3
52-1/2"		100.0	111.4
54-1/2"		100.0	106.8
30"	124"	100.0	130.0
36"		100.0	130.0
42"		100.0	130.0
48"		100.0	116.3
52-1/2"		100.0	106.9
54-1/2"		100.0	102.4

INTERPOLATION BETWEEN WIDTHS AND HEIGHTS ALLOWED.



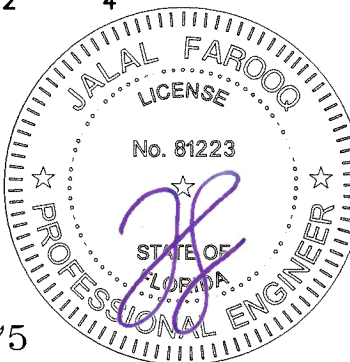
MULLION 'M1'

Ix IN^4	Sx IN^3
19.315	5.481



Sealed: 10/4/2023

FL #21875



AL-FAROOQ CORPORATION
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ES-WW832-A ALUM WINDOW WALL SYSTEM (S.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

no	date	by	description

date: 02-18-20

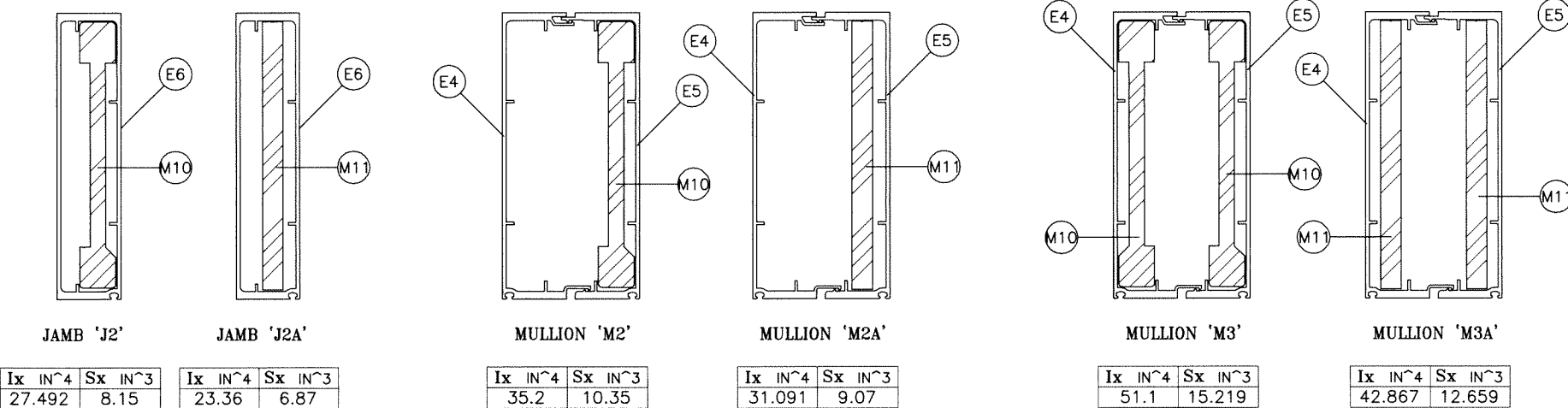
scale: -

dr. by: TARIQ

chk. by:

drawing no. **20-14F**

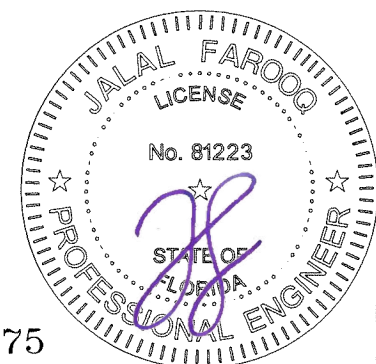
sheet **3** of **11**



MULLION LOAD CAPACITY – PSF							
NOMINAL DIMS.		JAMB 'J2'/'J2'		MULL 'M2'/'M2A'		MULL 'M3'/'M3A'	
WIDTH (W)	FRAME HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
30"	121–1/2"	140.0	140.0	140.0	140.0	140.0	140.0
36"		140.0	140.0	140.0	140.0	140.0	140.0
42"		140.0	140.0	140.0	140.0	140.0	140.0
48"		140.0	140.0	140.0	140.0	140.0	140.0
49–5/8"		140.0	140.0	140.0	140.0	140.0	140.0
52–1/2"		100.0	130.0	100.0	130.0	100.0	130.0
54–1/2"		100.0	130.0	100.0	130.0	100.0	130.0
30"	132"	100.0	130.0	100.0	130.0	100.0	130.0
36"		100.0	130.0	100.0	130.0	100.0	130.0
42"		100.0	130.0	100.0	130.0	100.0	130.0
48"		100.0	130.0	100.0	130.0	100.0	130.0
49–5/8"		100.0	130.0	100.0	130.0	100.0	130.0
52–1/2"		100.0	130.0	100.0	130.0	100.0	130.0
54–1/2"		100.0	130.0	100.0	130.0	100.0	130.0
30"	144"	100.0	130.0	100.0	130.0	100.0	130.0
36"		100.0	130.0	100.0	130.0	100.0	130.0
42"		100.0	130.0	100.0	130.0	100.0	130.0
48"		100.0	130.0	100.0	130.0	100.0	130.0
49–5/8"		100.0	130.0	100.0	130.0	100.0	130.0
52–1/2"		100.0	130.0	100.0	130.0	100.0	130.0
54–1/2"		100.0	130.0	100.0	130.0	100.0	130.0
30"	156"	100.0	130.0	100.0	130.0	100.0	130.0
36"		100.0	130.0	100.0	130.0	100.0	130.0
42"		100.0	130.0	100.0	130.0	100.0	130.0
48"		100.0	130.0	100.0	127.9	100.0	130.0
49–5/8"		100.0	130.0	100.0	119.9	100.0	130.0
52–1/2"		100.0	130.0	100.0	110.2	100.0	130.0
54–1/2"		100.0	130.0	100.0	105.6	100.0	130.0
30"	168"	90.0	90.0	90.0	90.0	90.0	90.0
36"		90.0	90.0	90.0	90.0	90.0	90.0
42"		90.0	90.0	90.0	90.0	90.0	90.0
45"		90.0	90.0	90.0	90.0	90.0	90.0
30"	175–3/4"	90.0	90.0	90.0	90.0	90.0	90.0
36"		90.0	90.0	90.0	90.0	90.0	90.0
42"		90.0	90.0	90.0	90.0	90.0	90.0
45"		87.8	87.8	87.8	87.8	90.0	90.0
30"	180"	80.0	80.0	–	–	–	–
36"		80.0	80.0	–	–	–	–
42"		80.0	80.0	–	–	–	–
45"		80.0	80.0	–	–	–	–

INTERPOLATION BETWEEN WIDTHS AND HEIGHTS ALLOWED.

Sealed: 10/4/2023



AL-FAROOQ CORPORATION
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(C.A.N. 3538)

ES-WW8832-A ALUM WINDOW WALL SYSTEM (S.M.I.)

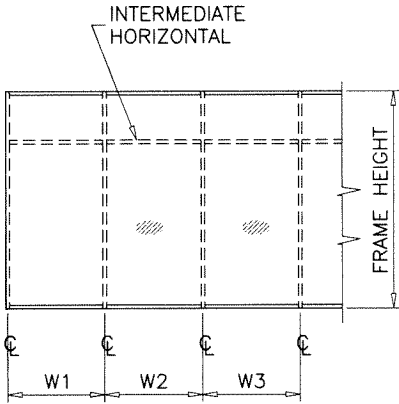
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

[illegible]

[illegible]

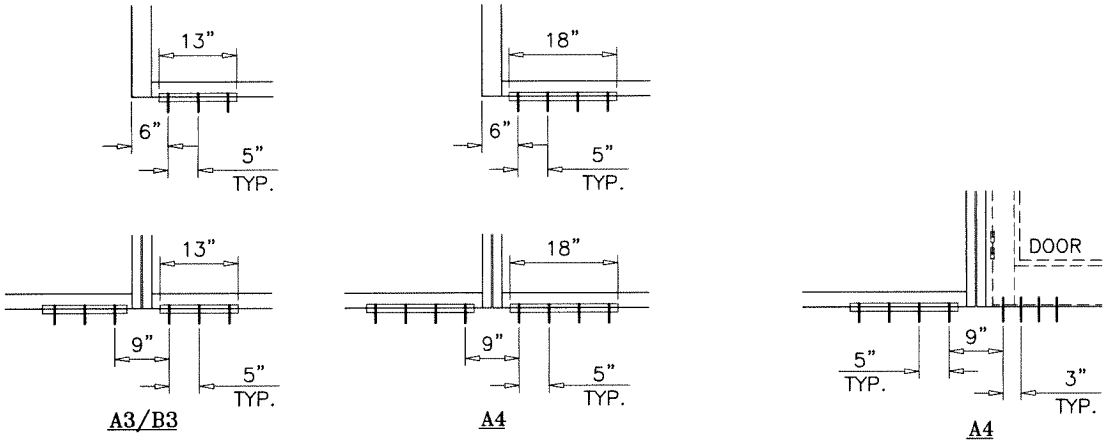
ANCHORS LOAD CAPACITY - PSF					
EXT.(+) & INT.(-)					
NOMINAL DIMS.		ANCHOR TYPE 'A'		ANCHOR TYPE 'B'	
WIDTH (W)	FRAME HEIGHT	A3	A4	B3	B4
30"	121-1/2"	140.0	-	140.0	-
36"		140.0	-	140.0	-
42"		140.0	-	140.0	-
45"		140.0	-	140.0	-
48"		140.0	-	140.0	-
52-1/2"		140.0	-	140.0	-
54-1/2"		140.0	-	140.0	-
30"	124"	140.0	-	140.0	-
36"		140.0	-	140.0	-
42"		140.0	-	140.0	-
45"		140.0	-	140.0	-
48"		140.0	-	140.0	-
52-1/2"		140.0	-	140.0	-
54-1/2"		140.0	-	140.0	-
30"	132"	140.0	-	140.0	-
36"		140.0	-	140.0	-
42"		140.0	-	140.0	-
45"		140.0	-	140.0	-
48"		140.0	-	140.0	-
52-1/2"		140.0	-	140.0	-
54-1/2"		140.0	-	140.0	-
30"	144"	140.0	-	140.0	-
36"		140.0	-	140.0	-
42"		140.0	-	140.0	-
45"		140.0	-	140.0	-
48"		140.0	-	140.0	-
52-1/2"		138.6	140.0	140.0	-
54-1/2"		132.9	140.0	140.0	-
30"	156"	140.0	-	140.0	-
36"		140.0	-	140.0	-
42"		140.0	-	140.0	-
45"		140.0	-	140.0	-
48"		139.3	140.0	140.0	-
52-1/2"		128.0	140.0	136.0	140.0
54-1/2"		122.7	140.0	131.0	140.0
30"	168"	140.0	-	140.0	-
36"		140.0	-	140.0	-
42"		140.0	-	140.0	-
45"		138.0	140.0	140.0	-
48"		129.3	140.0	138.1	140.0
52-1/2"		118.8	140.0	126.3	140.0
54-1/2"		113.9	140.0	121.7	140.0
30"	175-3/4"	140.0	-	140.0	-
36"		140.0	-	140.0	-
42"		131.9	140.0	140.0	-
45"		123.6	140.0	140.0	-
48"		113.6	140.0	132.0	140.0
52-1/2"		108.9	140.0	120.7	140.0
30"	180"	140.0	-	140.0	-
36"		140.0	-	140.0	-
42"		138.0	140.0	140.0	-
45"		128.8	140.0	137.5	140.0
48"		120.7	140.0	128.9	140.0
52-1/2"		110.9	140.0	117.9	140.0

INTERPOLATION BETWEEN WIDTHS AND HEIGHTS ALLOWED.



WIDTH (W) = W1
AT FRAME JAMB

WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION



ANCHORS TYPES: SEE SHEET 6 FOR DESCRIPTION

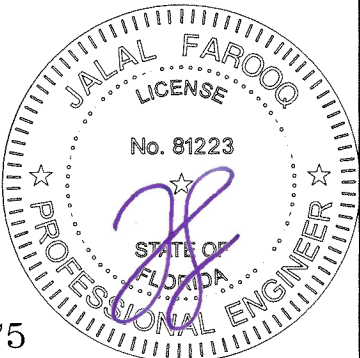
A3 = (3) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION

A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION

B3 = (3) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION

Sealed: 10/4/2023

FL #21875

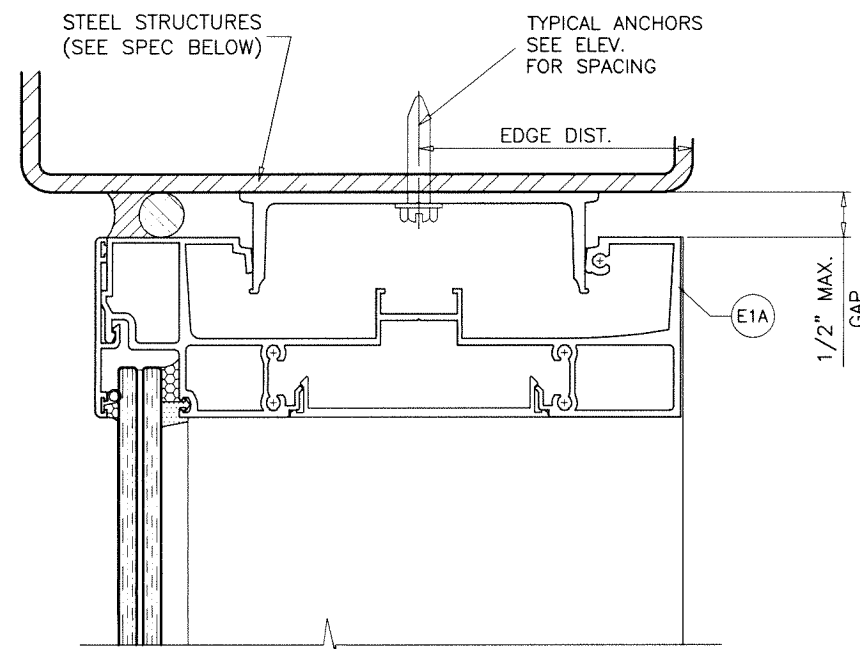
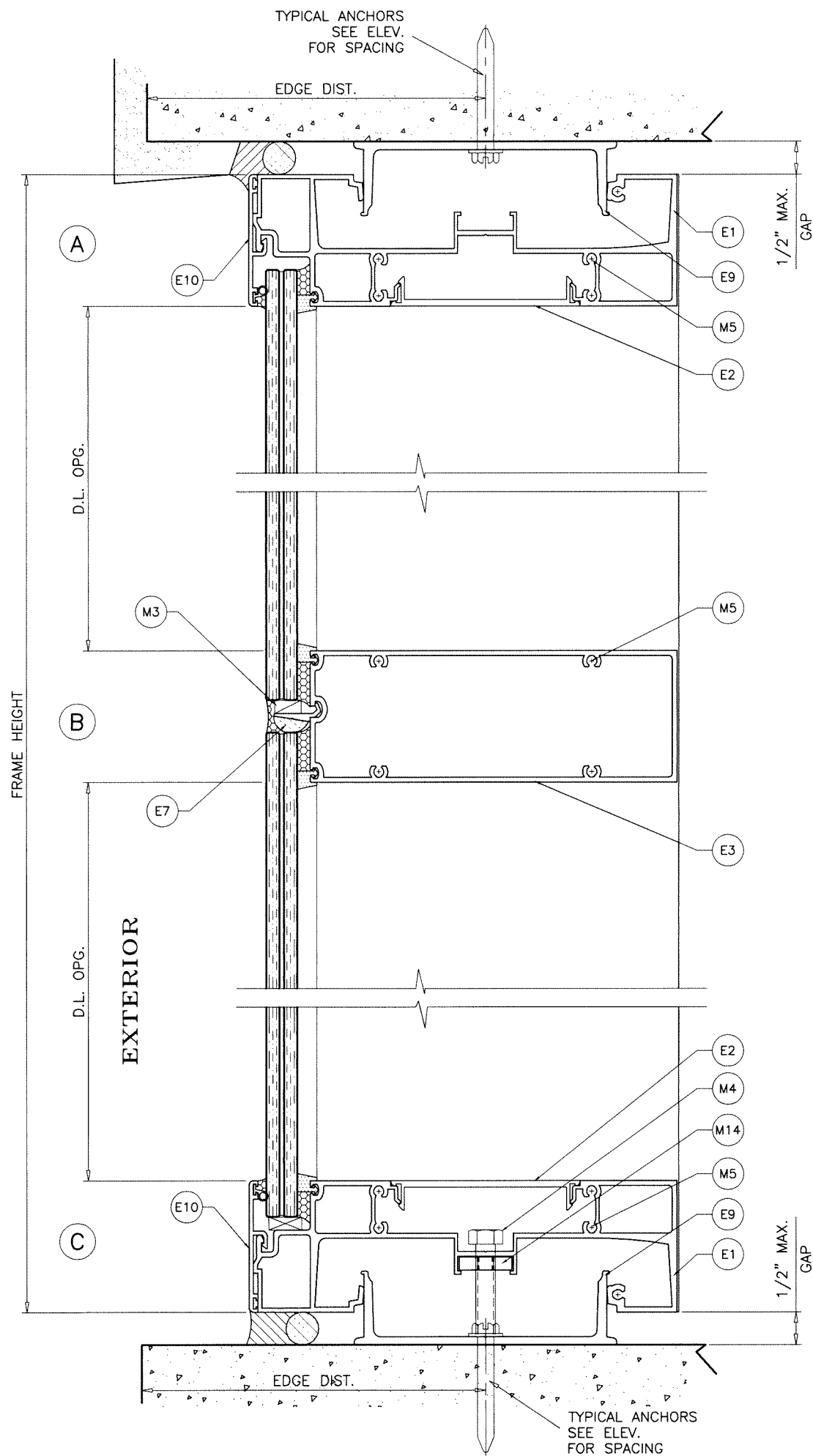


AL-FAROOQ CORPORATION
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STORE 20-14F-ES

ES-WW8832-A ALUM WINDOW WALL SYSTEM (S.M.I.)

E.S. WINDOWS, LLC
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revisions:	no	date	by	description
date:	02-18-20			
scale:	-			
dr. by:	TARIQ			
chk. by:				
drawing no.	20-14F			
sheet	5 of 11			



METAL STRUCTURES NOT BY 'E.S. WDW.'
MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND
TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A' (HEAD/SILL)

5/16" DIA ULTRACON BY 'DEWALT' ($F_u=177$ KSI, $F_y=155$ KSI)

DIRECTLY INTO CONCRETE (3500 PSI MIN.)
WITH 2" MIN. EMBED INTO CONCRETE, 5" O.C. MIN.

ANCHOR EDGE DISTANCES

INTO CONCRETE = 3-1/8" MIN.

TYPE 'B' (HEAD/SILL)

5/16" DIA. DRILL-FLEX SELF DRILLING SCREWS ($F_u=120$ KSI, $F_y=92$ KSI)

INTO METAL STRUCTURES, 3" O.C. MIN.

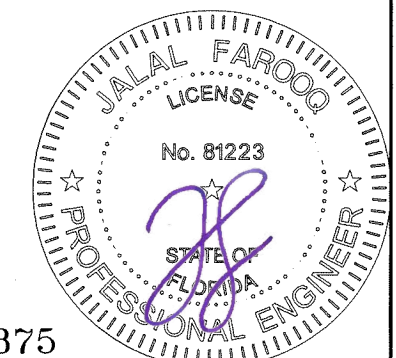
STEEL : 1/4" THK. MIN. ($F_y = 36$ KSI MIN.)

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

ANCHOR EDGE DISTANCES

INTO METAL STRUCTURE = 1" MIN.

Sealed: 10/4/2023



FL #21875

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

ES-WW8832-A ALUM WINDOW WALL SYSTEM (S.M.I.)

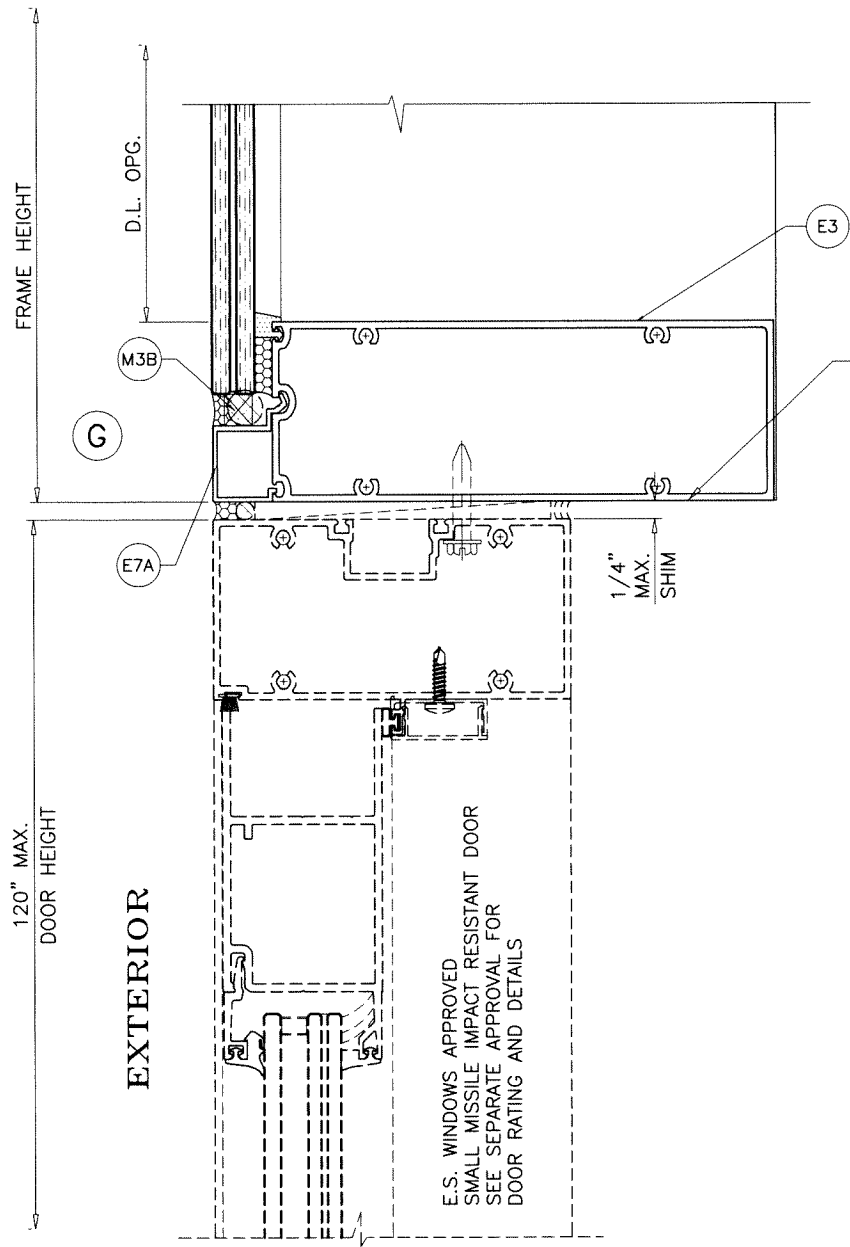
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:		by description
no	date	

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drawing no.
20-14F
sheet 6 of 11

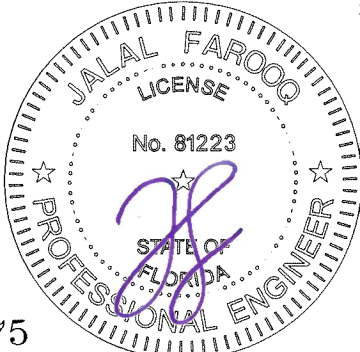
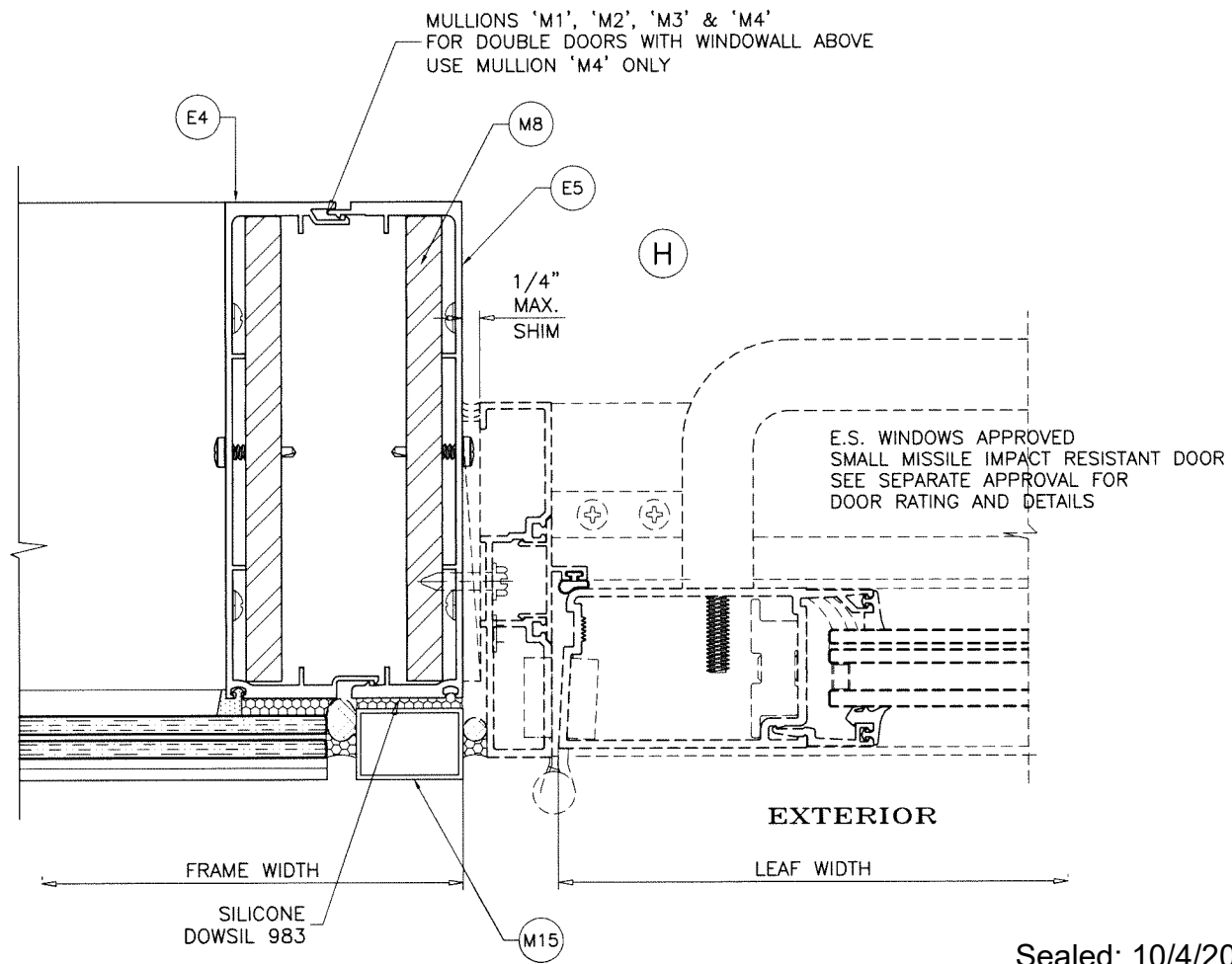
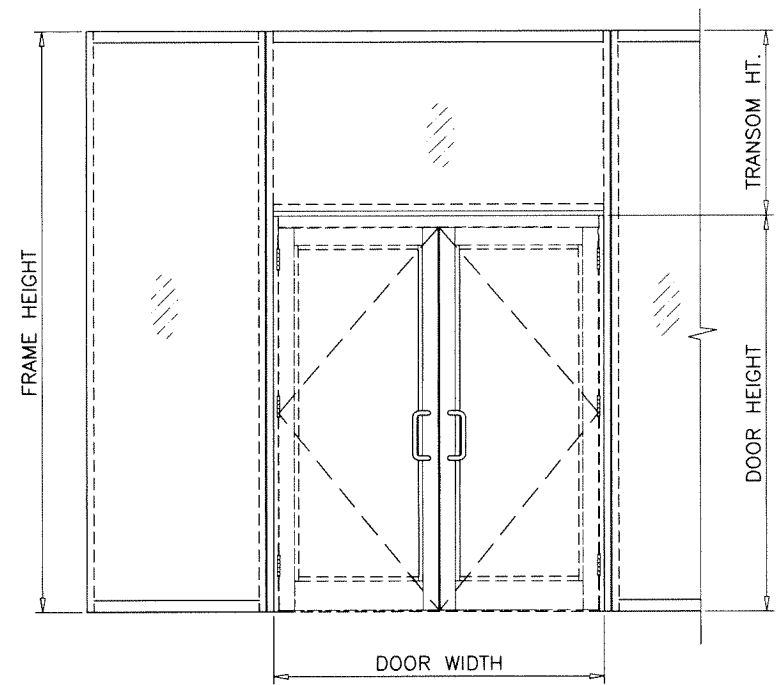
STORE 20-14F-ES



WINDOW WALL SYSTEM WITH DOORS
SEE CHART FOR CAPACITIES

Ix IN ⁴	Sx IN ³
11.7058	3.250

DOOR HORIZONTAL LOAD CAPACITY - PSF					
DOOR WIDTH INCHES	TRANSOM HT. INCHES	FRAME HEIGHT INCHES	DOOR HEIGHT INCHES	EXT.(+)	INT.(-)
90	24	144	120	100.0	100.0
	30	150		96.4	96.4
	36	156		92.0	92.0
	42	162		87.9	87.9
	48	168		84.1	84.1
	54	174		80.6	80.6
	55-3/4	175-3/4		79.6	79.6



Sealed: 10/4/2023

FL #21875

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ES-WW832-A ALUM WINDOW WALL SYSTEM (S.M.I.)

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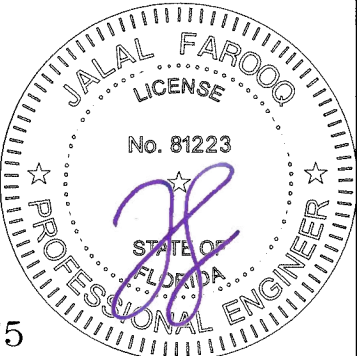
sheet **8** of 11

ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	ES-WW8832-053	AS REQD.	FRAME HEAD/SILL (LAM. GLASS)	6005-T5	-
E2	ES-WW8832-052	AS REQD.	SCREW COVER	6005-T5	-
E3	ES-WW8832-101	AS REQD.	INTERMEDIATE HORIZONTAL	6005-T5	-
E4	ES-WW8832-102	AS REQD.	FEMALE MULLION	6063-T6	-
E5	ES-WW8832-103	AS REQD.	MALE MULLION	6063-T6	-
E6	ES-WW8832-104	AS REQD.	FRAME JAMB	6063-T6	-
E7	-	AS REQD.	SETTING CHAIR	6005-T5	-
E7A	-	AS REQD.	SETTING CHAIR FILLER	6005-T5	-
E9	ES-WW8832-201	AS REQD.	ANCHOR BASE	6005-T5	-
E9A	-	AS REQD.	ANCHOR BASE, AT SLANTED SYSTEM	6005-T5	-
E10	ES-7006	AS REQD.	GLAZING STOP	6063-T5	-
E11	-	AS REQD.	SHEAR BLOCK, AT SLANTED SYSTEM	6063-T5	-
M1	ES7000-G01	AS REQD.	EXTERIOR GLASS SEAL	SILICONE	TREMCO, DUROMETER 60±5 SHORE A
M3	ES7000-B01A	2/ LITE	SETTING BLOCKS AT 1/4 POINTS (INSUL. LAM. GLASS)	EPDM	TREMCO, DUROMETER 85±5 SHORE A
M3A	80-378	2/ LITE	SETTING BLOCKS AT 1/4 POINTS (LAM. GLASS)	EPDM	TREMCO, DUROMETER 85±5 SHORE A
M3B	ES-6025-B01A	2/ LITE	SETTING BLOCKS AT 1/4 POINTS (AT DOOR HORIZONTAL)	EPDM	TREMCO, DUROMETER 85±5 SHORE A
M4	3/8-16 X 2"	AS REQD.	LEVELING SCREW	ST/ST	HWH
M5	#12 X 1"	AS REQD.	FRAME ASSEMBLY FASTENERS	ST/ST	PH SMS
M6	ES-U3525-G08	AS REQD.	SPACER GASKET	SILICONE	TREMCO, DUROMETER 70±5 SHORE A
M8	-	AS REQD.	STEEL REINFORCING BAR (LENGTH = FRAME LENGTH - 6")	STEEL	A36, Fu MIN. = 58 KSI
M9	-	AS REQD.	STEEL REINFORCING BAR (LENGTH = FRAME LENGTH - 6")	STEEL	A36, Fu MIN. = 58 KSI
M10	ES-WW8832-204	AS REQD.	ALUMINUM REINFORCING (LENGTH = FRAME LENGTH - 6")	6063-T6	-
M11	-	AS REQD.	ALUMINUM REINFORCING BAR (LENGTH = FRAME LENGTH - 6")	6063-T6	-
M12	#12 X 1"	AS REQD.	SHEAR BLOCK ASSEMBLY FASTENERS	ST/ST	FH SMS
M13	-	AS REQD.	SHEAR BLOCK ANGLE	6063-T6	-
M14	ALU-P-020	AS REQD.	1" X 1" SILL LEVELER	ALUMINUM	-
M15	-	AS REQD.	FILLER TUBE (1" X 1-1/2" X 1/16")	6063-T5	-

SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME SEALED WITH SILICONE SEALANT.

Sealed: 10/4/2023



FL #21875

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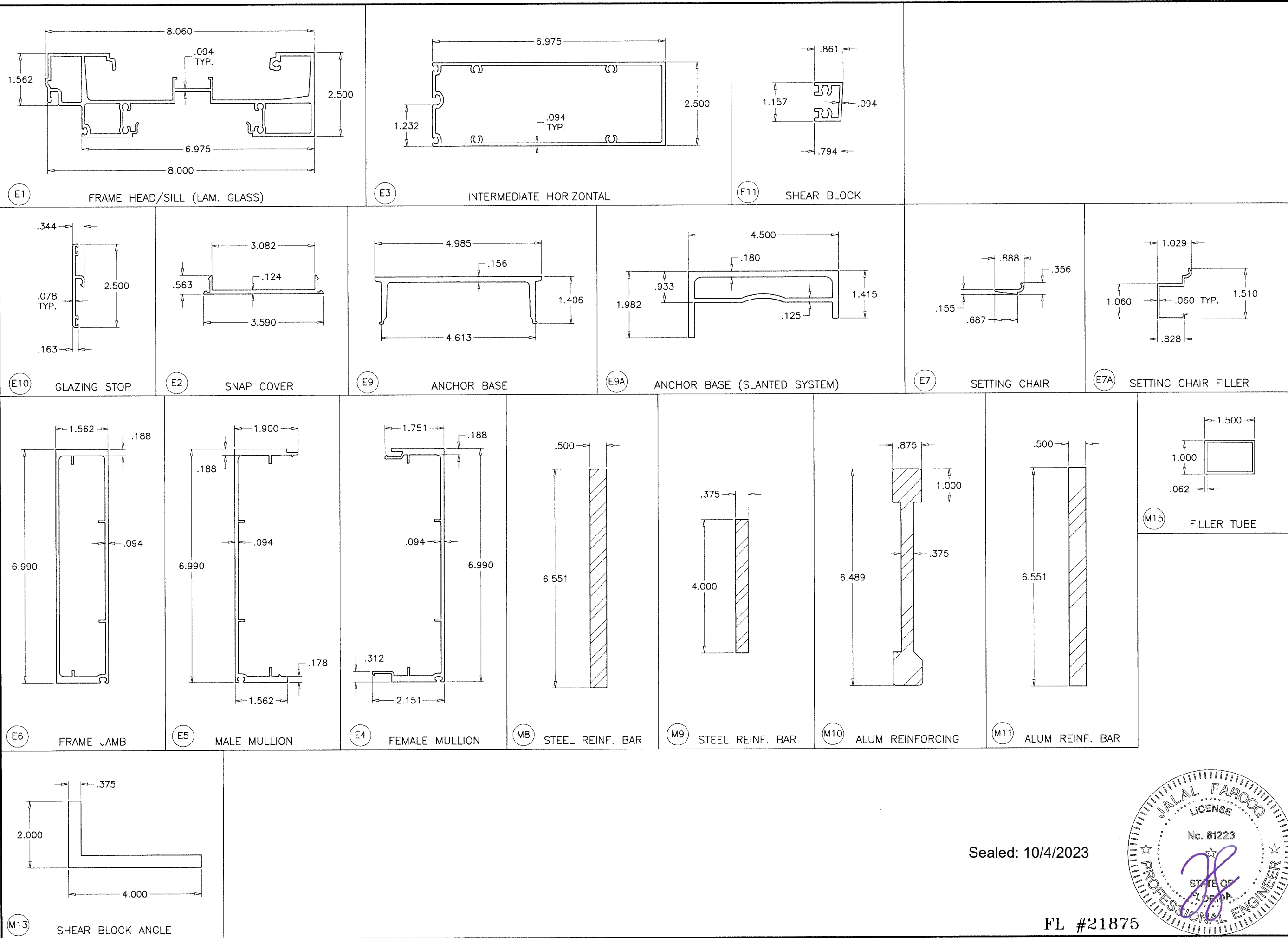
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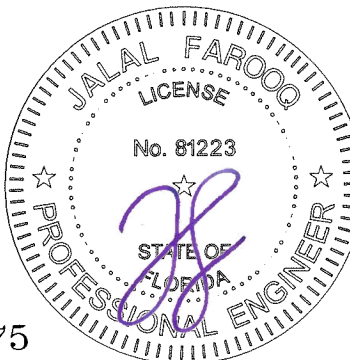
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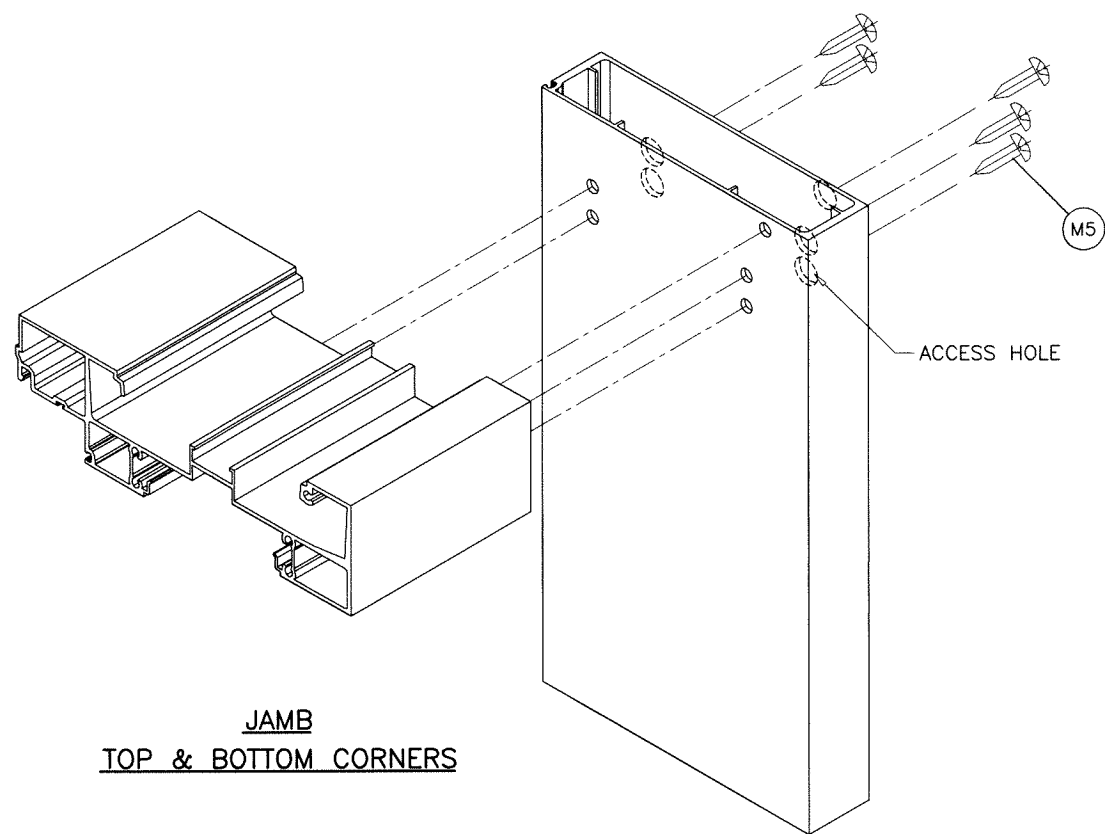
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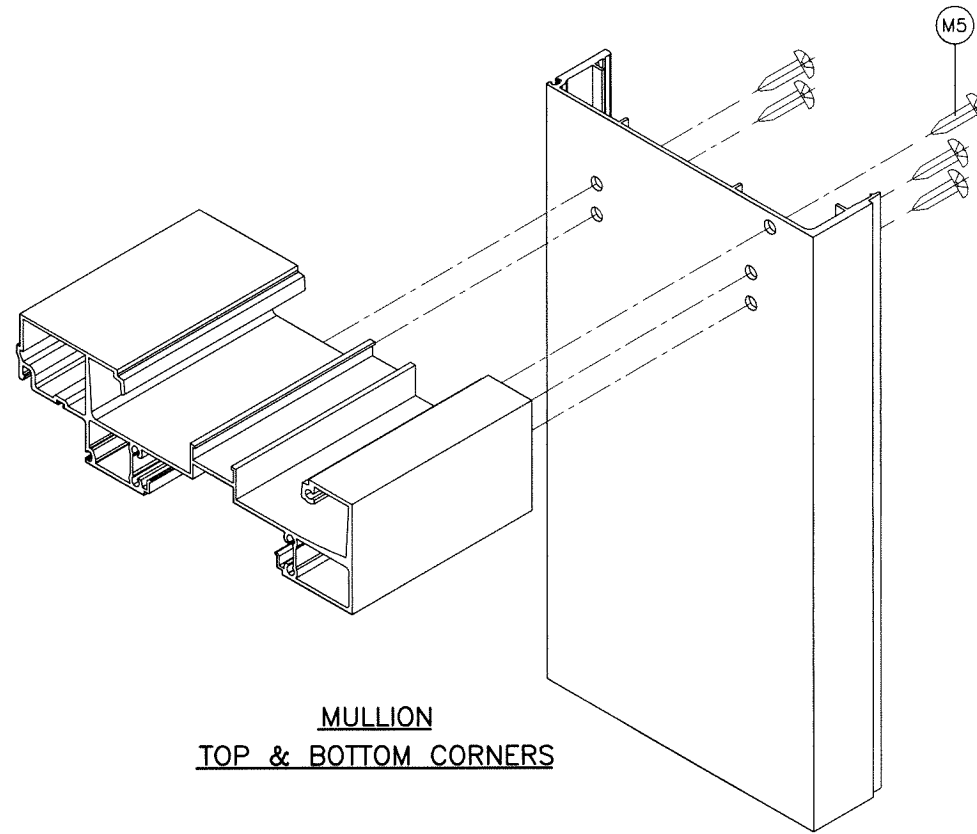
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FL #21875

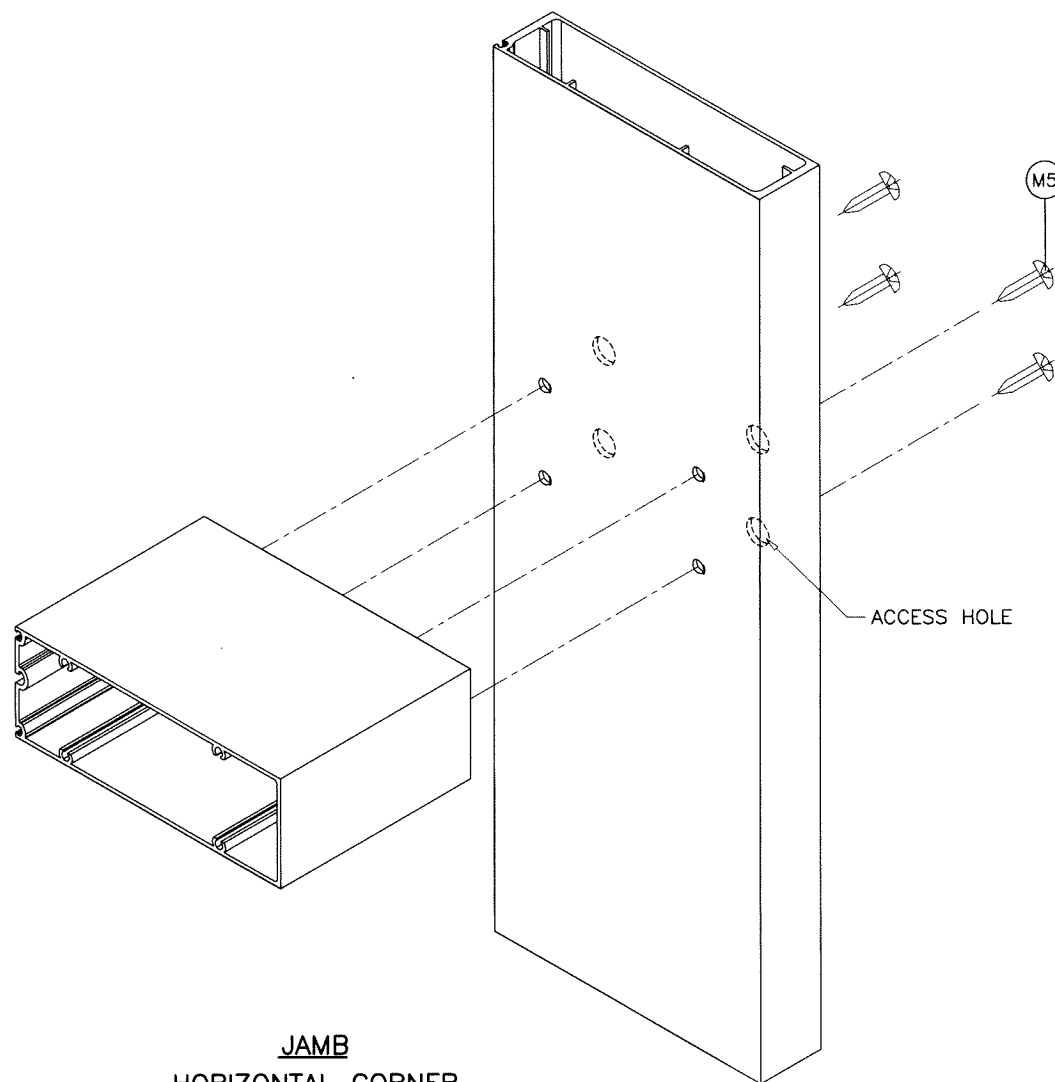




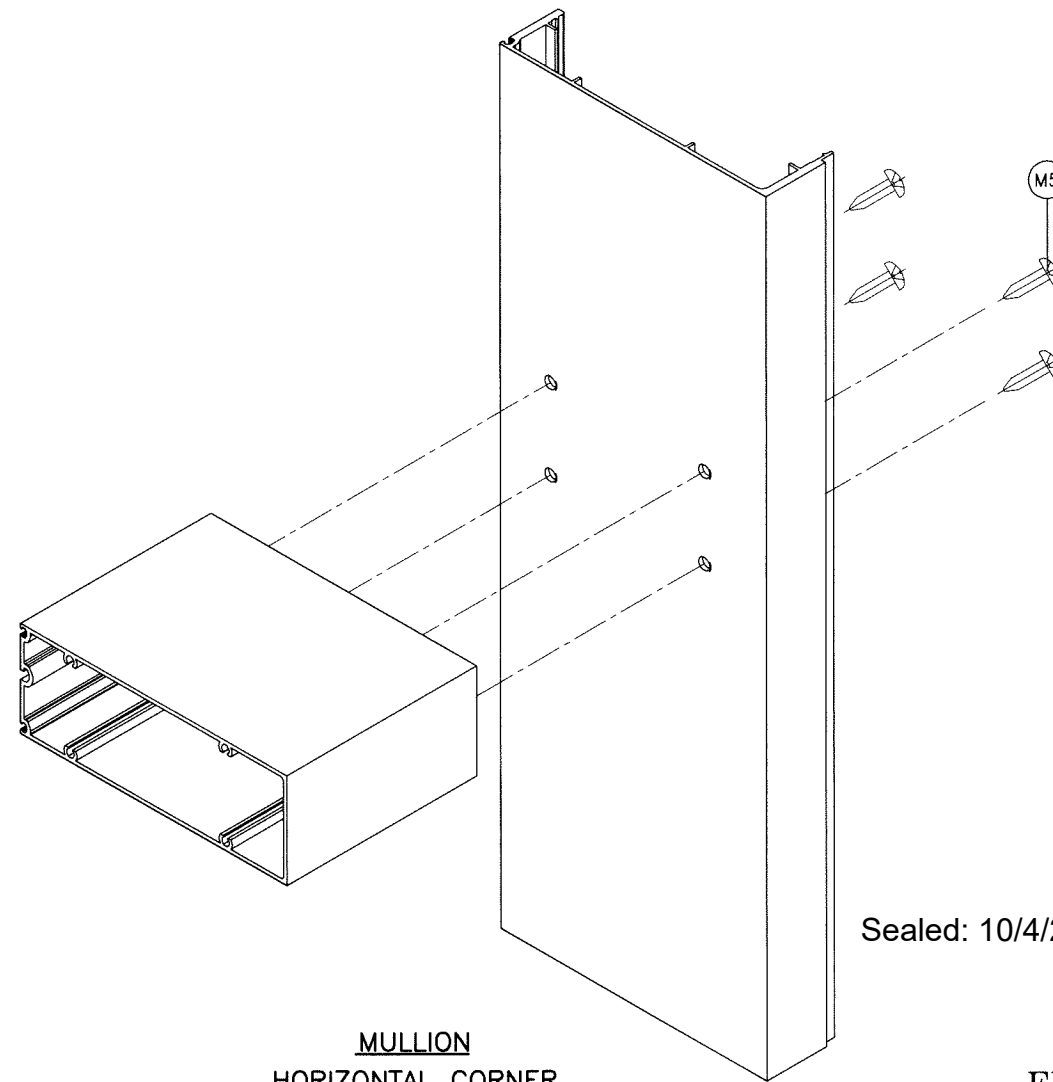
JAMB
TOP & BOTTOM CORNERS



MULLION
TOP & BOTTOM CORNERS



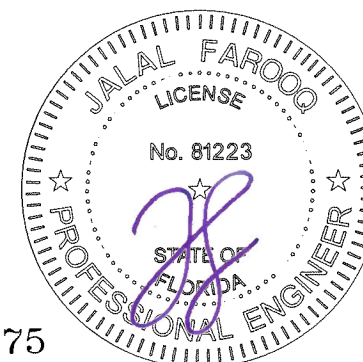
JAMB
HORIZONTAL CORNER



MULLION
HORIZONTAL CORNER

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