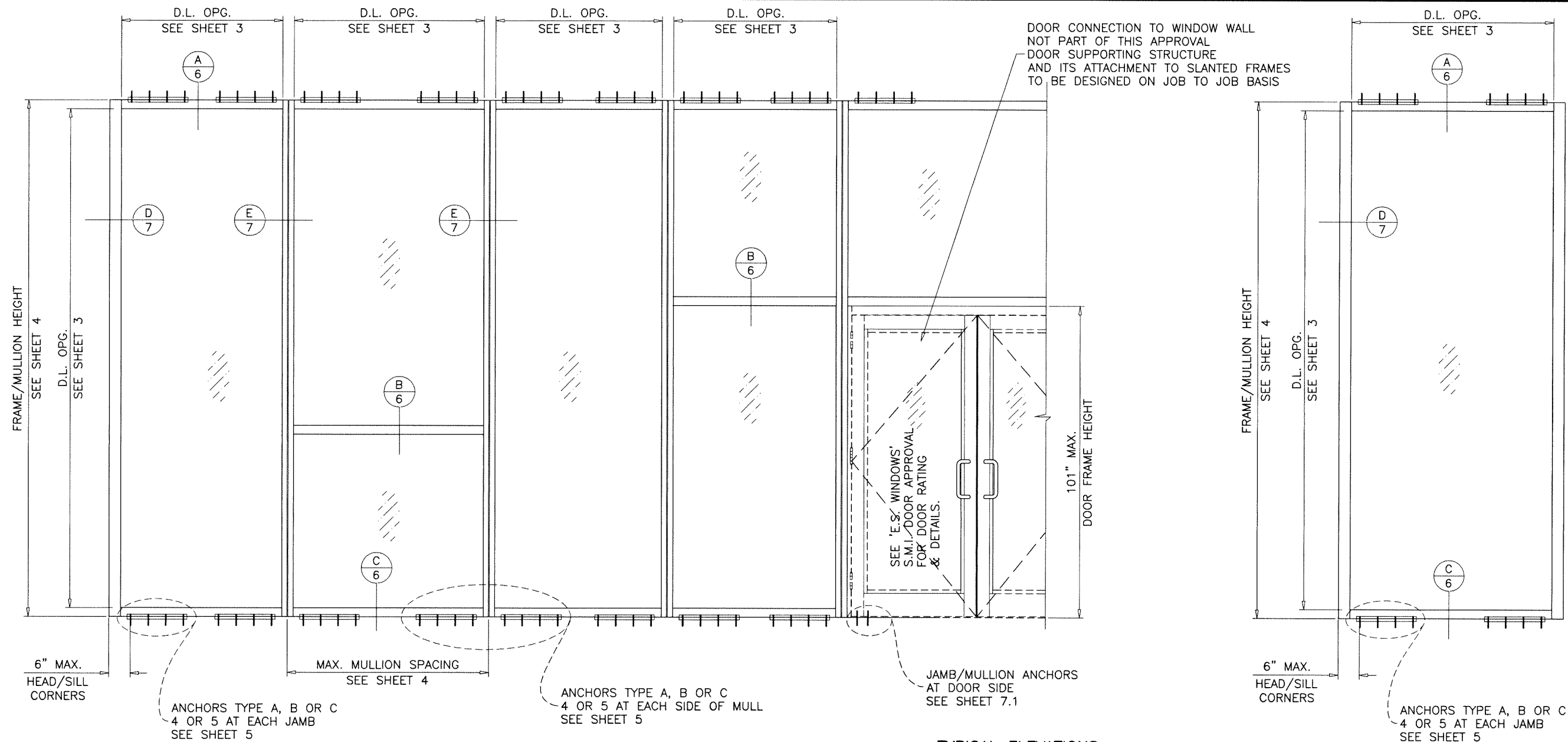




TYPICAL ELEVATIONS

ES-WW1032 (SLANTED) ALUMINUM WINDOW WALL SYSTEM

THIS SYSTEM MAY BE USED IN CONJUNCTION WITH F.B.C. APPR'D LARGE SMALL 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 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 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)'.

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 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, USING SHEET 7, DETERMINE THE MIN. & MAX. GAP DIMENSIONS.
- STEP 7** WHEN USING THIS SYSTEM WITH DOORS, THE LOWER VALUE OF THE DESIGN PRESSURE RATING FOR THE SYSTEM AND THE DOOR SHALL APPLY.

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1.

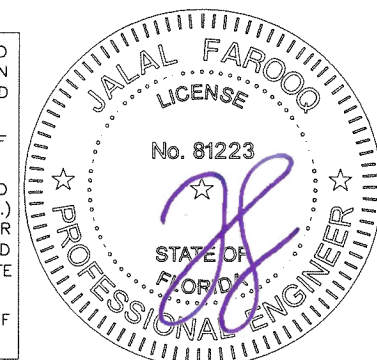
THIS SYSTEM IS RATED FOR SMALL MISSILE IMPACT.
F.B.C. APPROVED IMPACT RESISTANT SHUTTERS
REQUIRED FOR INSTALLATIONS UP TO 30 FT. OF GRADE.
SHUTTERS NOT REQD. FOR INSTALLATIONS ABOVE 30 FT. OF GRADE.

LAMINATED GLASS
SMALL MISSILE IMPACT

Sealed: 5/2/2025

FL #18410

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

ES-WW1032 SLANTED WINDOW WALL SYS. (S.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:

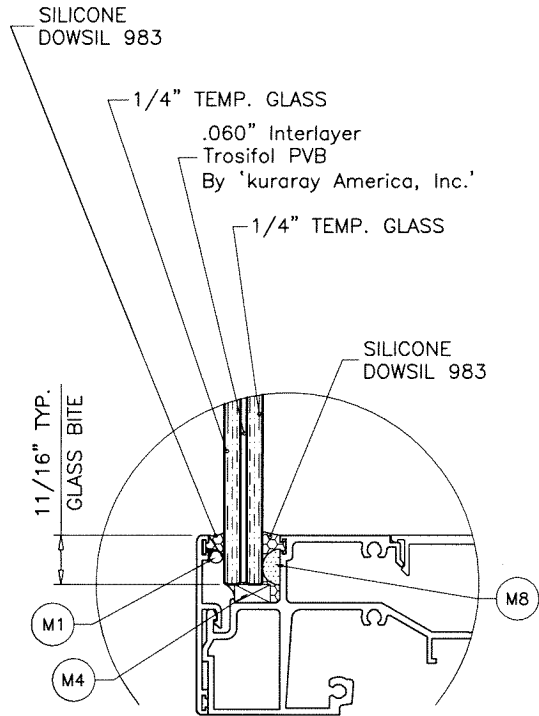
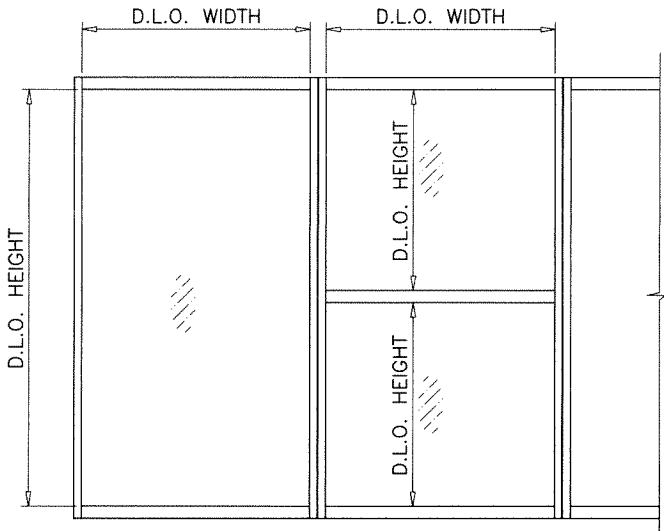
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dr. by: TARIQ
chk. by:

drawing no.
25-51F

sheet 1 of 9

GLASS DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS.		9/16" LAM. GLASS	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+)	INT. (-)
26-3/4"	82-1/2"	168.0	168.0
32-3/4"		168.0	168.0
38-3/4"		168.0	168.0
44-3/4"		168.0	168.0
50-3/4"		168.0	168.0
56-3/4"		168.0	168.0
62-3/4"		151.9	151.9
68-3/4"		138.7	138.7
74-3/4"		127.5	127.5
26-3/4"	94-1/2"	168.0	168.0
32-3/4"		168.0	168.0
38-3/4"		168.0	168.0
44-3/4"		168.0	168.0
50-3/4"		168.0	168.0
56-3/4"		168.0	168.0
62-3/4"		151.9	151.9
68-3/4"		138.7	138.7
26-3/4"	106-1/2"	168.0	168.0
32-3/4"		168.0	168.0
38-3/4"		168.0	168.0
44-3/4"		168.0	168.0
50-3/4"		168.0	168.0
56-3/4"		168.0	168.0
62-3/4"		151.9	151.9
26-3/4"	118-1/2"	168.0	168.0
32-3/4"		168.0	168.0
38-3/4"		168.0	168.0
44-3/4"		168.0	168.0
50-3/4"		168.0	168.0
56-3/4"		168.0	168.0
26-3/4"	130-1/2"	168.0	168.0
32-3/4"		168.0	168.0
38-3/4"		168.0	168.0
44-3/4"		168.0	168.0
50-3/4"		168.0	168.0
26-3/4"	142-1/2"	168.0	168.0
32-3/4"		168.0	168.0
38-3/4"		168.0	168.0
44-3/4"		168.0	168.0
26-3/4"	154-1/2"	168.0	168.0
32-3/4"		168.0	168.0
38-3/4"		168.0	168.0
26-3/4"	163"	168.0	168.0
32-3/4"		168.0	168.0
38-3/4"		168.0	168.0



GLAZING DETAIL

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS).

Sealed: 5/2/2025

GLASS

FL #18410



revisions:	
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by description	
date: 04-24-25	
scale: 3/8" = 1"	
dr. by: TARIQ	
chk. by:	
drawing no.	
25-51F	
sheet 2 of 9	

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AL-FAROOQ CORPORATION

ENGINEERS & PRODUCT DEVELOPMENT

9360 SUNSET DRIVE, SUITE 220

MIAMI, FLORIDA 33173

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E.S. WINDOWS, LLC

3550 N.W. 49 STREET

MIAMI, FL. 33142

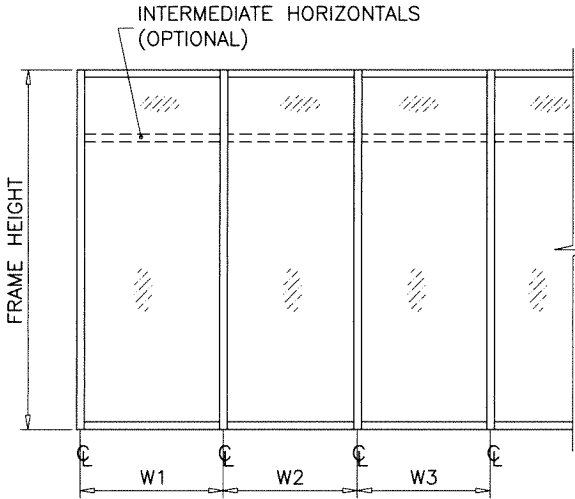
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FAX. (305) 638-5158

STORE\25-51F-ES

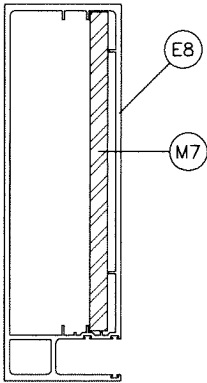
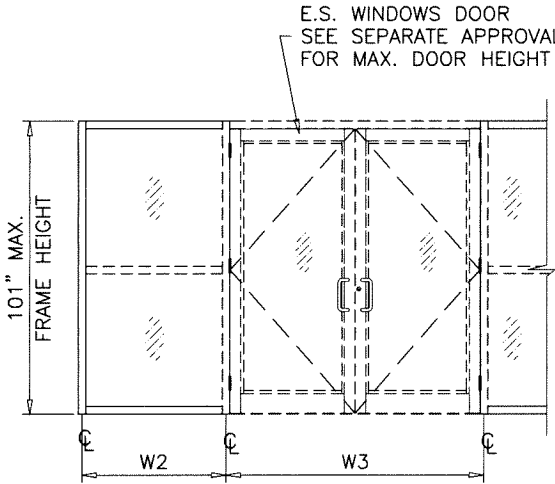
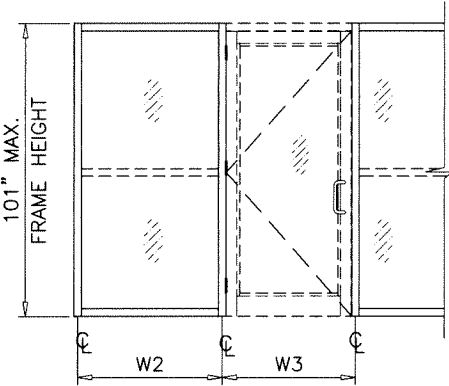
JAMB & MULLION DESIGN LOAD CAPACITY – PSF WITH OR WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		JAMB 'J'		MULLION 'M'	
WIDTH (W)	FRAME HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
30"	96"	168.0	168.0	168.0	168.0
36"		168.0	168.0	168.0	168.0
42"		168.0	168.0	168.0	168.0
48"		168.0	168.0	168.0	168.0
54"		168.0	168.0	168.0	168.0
60"		168.0	168.0	168.0	168.0
66"		168.0	168.0	168.0	168.0
72"		168.0	168.0	168.0	168.0
78"		168.0	168.0	168.0	168.0
30"	108"	168.0	168.0	168.0	168.0
36"		168.0	168.0	168.0	168.0
42"		168.0	168.0	168.0	168.0
48"		168.0	168.0	168.0	168.0
54"		168.0	168.0	168.0	168.0
60"		168.0	168.0	168.0	168.0
66"		168.0	168.0	168.0	168.0
72"		168.0	168.0	168.0	168.0
78"		168.0	168.0	168.0	168.0
30"	120"	168.0	168.0	168.0	168.0
36"		168.0	168.0	168.0	168.0
42"		168.0	168.0	168.0	168.0
48"		168.0	168.0	168.0	168.0
54"		168.0	168.0	168.0	168.0
60"		168.0	168.0	168.0	168.0
66"		168.0	168.0	168.0	168.0
72"		168.0	168.0	168.0	168.0
78"		168.0	168.0	168.0	168.0
30"	132"	168.0	168.0	168.0	168.0
36"		168.0	168.0	168.0	168.0
42"		168.0	168.0	168.0	168.0
48"		168.0	168.0	168.0	168.0
54"		168.0	168.0	168.0	168.0
60"		168.0	168.0	168.0	168.0
66"		168.0	168.0	168.0	168.0
72"		168.0	168.0	168.0	168.0
30"	144"	168.0	168.0	168.0	168.0
36"		168.0	168.0	168.0	168.0
42"		168.0	168.0	168.0	168.0
48"		168.0	168.0	168.0	168.0
54"		168.0	168.0	168.0	168.0
60"		168.0	168.0	168.0	168.0
66"		168.0	168.0	168.0	168.0
72"		168.0	168.0	168.0	168.0

JAMB & MULLION DESIGN LOAD CAPACITY – PSF WITH OR WITHOUT INTERMEDIATE HORIZONTALS					
NOMINAL DIMS.		JAMB 'J'		MULLION 'M'	
WIDTH (W)	FRAME HEIGHT	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
30"	156"	168.0	168.0	168.0	168.0
36"		168.0	168.0	168.0	168.0
42"		168.0	168.0	168.0	168.0
48"		168.0	168.0	168.0	168.0
54"		168.0	168.0	168.0	168.0
60"		168.0	168.0	168.0	168.0
30"	168"	168.0	168.0	168.0	168.0
36"		168.0	168.0	168.0	168.0
42"		168.0	168.0	168.0	168.0
48"		168.0	168.0	168.0	168.0
54"		168.0	168.0	168.0	168.0
60"		168.0	168.0	168.0	168.0

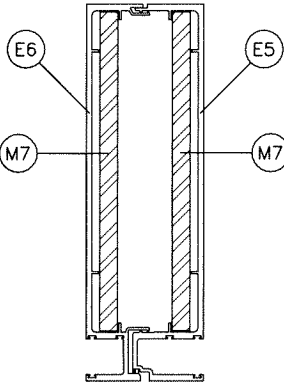


WIDTH (W) = W1
AT JAMB

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



JAMB 'J'



MULLION 'M'

	Ix IN^4	Sx IN^3
ALUMINUM	64.028	11.707
STEEL	28.838	6.490
TOTAL Ix ALUM + Ix STL X 2.9	147.660	

	Ix IN^4	Sx IN^3
ALUMINUM	65.589	11.652
STEEL	57.676	12.987
TOTAL Ix ALUM + Ix STL X 2.9	232.852	

MULLION



Sealed: 5/2/2025

FL #18410

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AL-FAROOQ CORPORATION
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STORE 25-51F-ES

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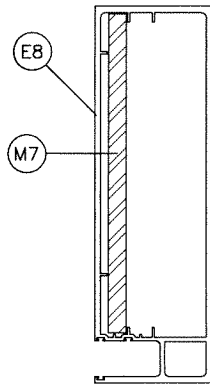
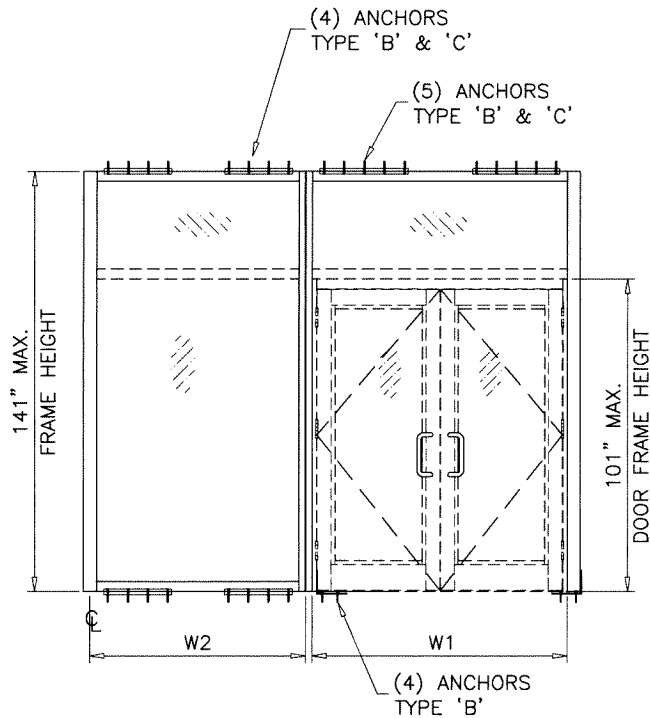
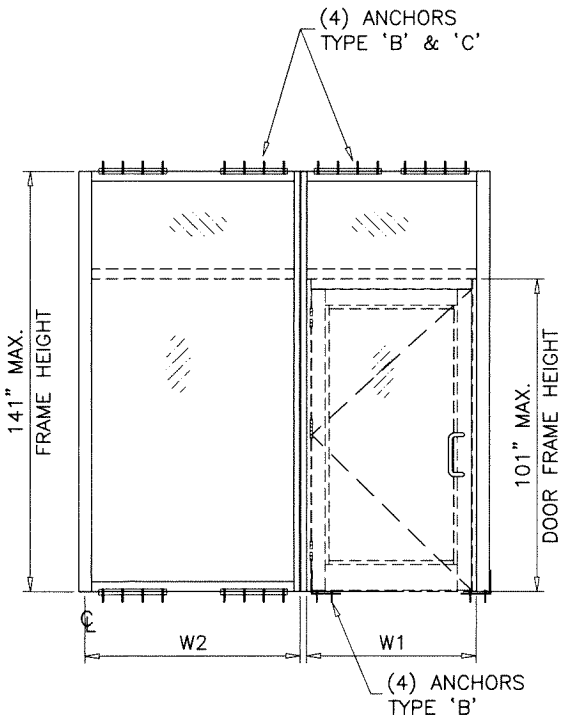
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date: 04-24-25
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chk. by:
drawing no.
25-51F
sheet 3 of 9

DOOR JAMB/MULLION LOAD CAPACITY - PSF					
NOMINAL DIMS.				JAMB/MULLION 'DJ' & 'DM'	
DOOR HEIGHT INCHES	FRAME HEIGHT INCHES	WIDTH (W1) INCHES	WIDTH (W2) INCHES	EXT.(+)	INT.(-)
84	108	72	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
		76-1/2	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
	120	72	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
		76-1/2	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
	132	72	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
		76-1/2	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
	141	72	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
		76-1/2	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0

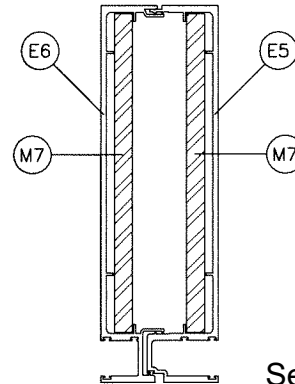
DOOR JAMB/MULLION LOAD CAPACITY - PSF					
NOMINAL DIMS.				JAMB/MULLION 'DJ' & 'DM'	
DOOR HEIGHT INCHES	FRAME HEIGHT INCHES	WIDTH (W1) INCHES	WIDTH (W2) INCHES	EXT.(+)	INT.(-)
90	108	72	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
		76-1/2	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
	120	72	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
		76-1/2	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
	132	72	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
		76-1/2	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
	141	72	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
		76-1/2	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0

DOOR JAMB/MULLION LOAD CAPACITY - PSF					
NOMINAL DIMS.				JAMB/MULLION 'DJ' & 'DM'	
DOOR HEIGHT INCHES	FRAME HEIGHT INCHES	WIDTH (W1) INCHES	WIDTH (W2) INCHES	EXT.(+)	INT.(-)
96	108	72	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
		76-1/2	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
	120	72	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
		76-1/2	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
	132	72	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
		76-1/2	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
	141	72	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
		76-1/2	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0

DOOR JAMB/MULLION LOAD CAPACITY - PSF					
NOMINAL DIMS.				JAMB/MULLION 'DJ' & 'DM'	
DOOR HEIGHT INCHES	FRAME HEIGHT INCHES	WIDTH (W1) INCHES	WIDTH (W2) INCHES	EXT.(+)	INT.(-)
101	120	72	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
		76-1/2	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
	132	72	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
		76-1/2	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
	141	72	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
		76-1/2	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0

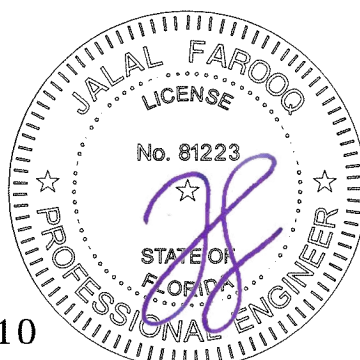


	Ix IN^4	Sx IN^3
ALUMINUM	64.028	11.707
STEEL	28.838	6.490
TOTAL Ix ALUM + Ix STL X 2.9	147.660	



	Ix IN^4	Sx IN^3
ALUMINUM	65.589	11.652
STEEL	57.676	12.987
TOTAL Ix ALUM + Ix STL X 2.9	232.852	

DOOR MULLION



FL #18410

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no	date	by	description

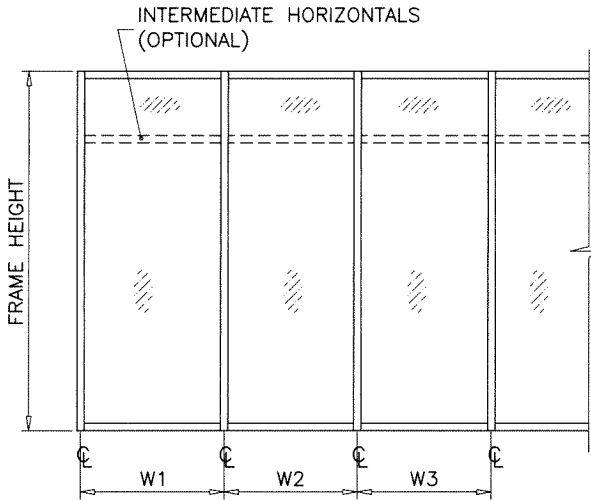
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scale: -
dr. by: TARIQ
chk. by:

drawing no.
25-51F
sheet 4 of 9

STORE 25-51F-ES

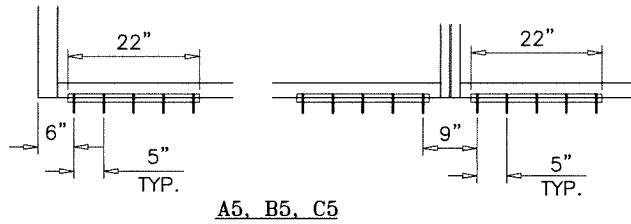
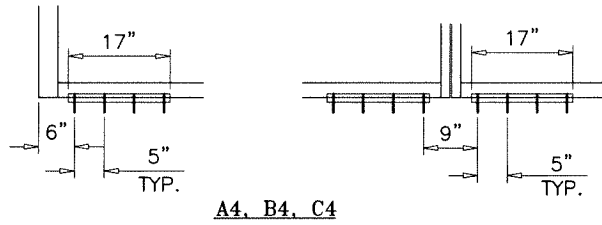
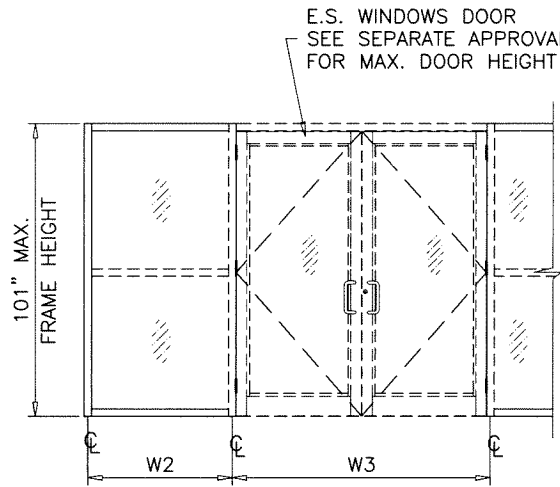
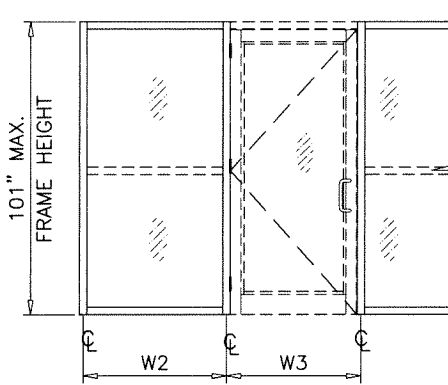
ANCHOR DESIGN LOAD CAPACITY - PSF EXT.(+) & INT.(-)							
NOMINAL DIMS.		ANCHOR TYPE 'A'		ANCHOR TYPE 'B'		ANCHOR TYPE 'C'	
WIDTH (W)	FRAME HEIGHT	A4	A5	B4	B5	C4	C5
30"	96"	168.0	168.0	168.0	168.0	168.0	168.0
36"		168.0	168.0	168.0	168.0	168.0	168.0
42"		168.0	168.0	168.0	168.0	168.0	168.0
48"		168.0	168.0	168.0	168.0	168.0	168.0
54"		168.0	168.0	168.0	168.0	168.0	168.0
60"		168.0	168.0	168.0	168.0	168.0	168.0
66"		162.1	168.0	168.0	168.0	168.0	168.0
72"		148.6	168.0	168.0	168.0	168.0	168.0
78"		137.2	168.0	168.0	168.0	168.0	168.0
30"	108"	168.0	168.0	168.0	168.0	168.0	168.0
36"		168.0	168.0	168.0	168.0	168.0	168.0
42"		168.0	168.0	168.0	168.0	168.0	168.0
48"		168.0	168.0	168.0	168.0	168.0	168.0
54"		168.0	168.0	168.0	168.0	168.0	168.0
60"		158.5	168.0	168.0	168.0	168.0	168.0
66"		144.1	168.0	168.0	168.0	168.0	168.0
72"		132.1	165.1	168.0	168.0	168.0	168.0
78"		121.9	152.4	168.0	168.0	168.0	168.0
30"	120"	168.0	168.0	168.0	168.0	168.0	168.0
36"		168.0	168.0	168.0	168.0	168.0	168.0
42"		168.0	168.0	168.0	168.0	168.0	168.0
48"		168.0	168.0	168.0	168.0	168.0	168.0
54"		158.5	168.0	168.0	168.0	168.0	168.0
60"		142.7	168.0	168.0	168.0	168.0	168.0
66"		129.7	162.1	168.0	168.0	168.0	168.0
72"		118.9	148.6	168.0	168.0	168.0	168.0
78"		109.7	137.2	168.0	168.0	168.0	168.0
30"	132"	168.0	168.0	168.0	168.0	168.0	168.0
36"		168.0	168.0	168.0	168.0	168.0	168.0
42"		168.0	168.0	168.0	168.0	168.0	168.0
48"		162.1	168.0	168.0	168.0	168.0	168.0
54"		144.1	168.0	168.0	168.0	168.0	168.0
60"		129.7	162.1	168.0	168.0	168.0	168.0
66"		117.9	147.4	168.0	168.0	168.0	168.0
72"		108.1	135.1	168.0	168.0	168.0	168.0
30"	144"	168.0	168.0	168.0	168.0	168.0	168.0
36"		168.0	168.0	168.0	168.0	168.0	168.0
42"		168.0	168.0	168.0	168.0	168.0	168.0
48"		148.6	168.0	168.0	168.0	168.0	168.0
54"		132.1	165.1	168.0	168.0	168.0	168.0
60"		118.9	148.6	168.0	168.0	168.0	168.0
66"		108.1	135.1	168.0	168.0	168.0	168.0
72"		99.1	123.8	159.0	168.0	160.3	168.0
30"	156"	168.0	168.0	168.0	168.0	168.0	168.0
36"		168.0	168.0	168.0	168.0	168.0	168.0
42"		156.8	168.0	168.0	168.0	168.0	168.0
48"		137.2	168.0	168.0	168.0	168.0	168.0
54"		121.9	152.4	168.0	168.0	168.0	168.0
60"		109.7	137.2	168.0	168.0	168.0	168.0
30"	168"	168.0	168.0	168.0	168.0	168.0	168.0
36"		168.0	168.0	168.0	168.0	168.0	168.0
42"		145.6	168.0	168.0	168.0	168.0	168.0
48"		127.4	159.2	168.0	168.0	168.0	168.0
54"		113.2	141.5	168.0	168.0	168.0	168.0
60"		101.9	127.4	163.5	168.0	164.8	168.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.



WIDTH (W) = W1
AT JAMB

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



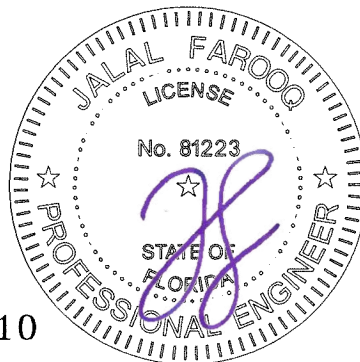
ANCHORS TYPES: SEE SHEET 6 FOR DESCRIPTION

- A4 = (4) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
A5 = (5) ANCHORS TYPE 'A' AT EACH SIDE OF JAMB AND MULLION
B4 = (4) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
B5 = (5) ANCHORS TYPE 'B' AT EACH SIDE OF JAMB AND MULLION
C4 = (4) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION
C5 = (5) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION

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ANCHOR

FL #18410



ES-WW1032 SLANTED WINDOW WALL SYS. (S.M.I.)

E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142

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

revisions:

date: 04-24-25

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chk. by:

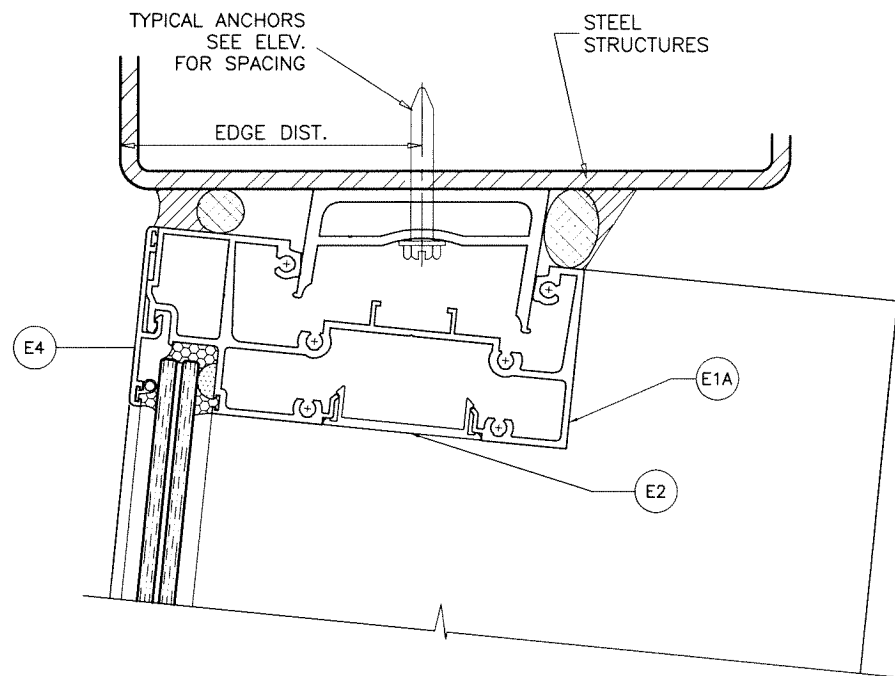
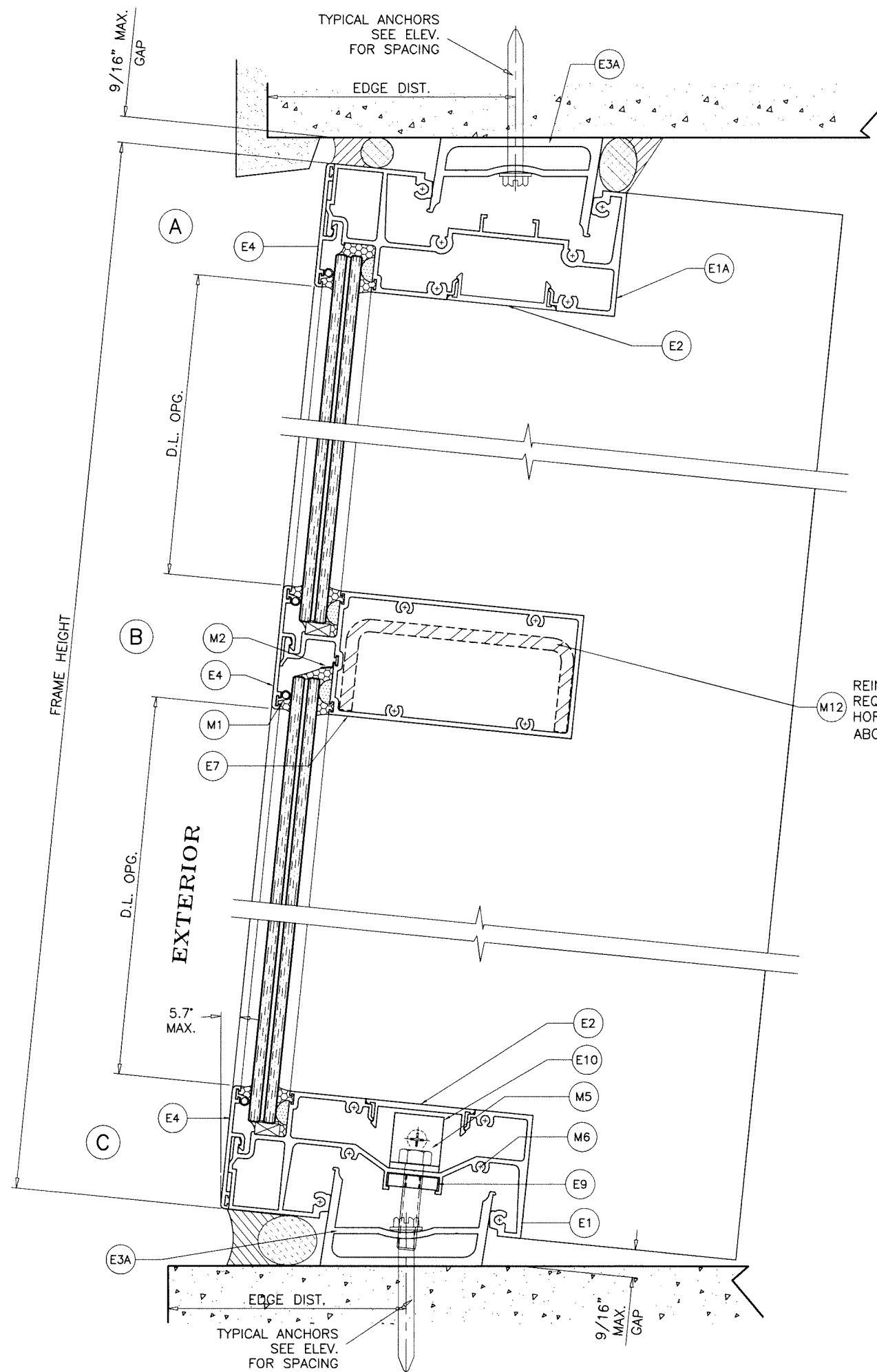
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

STORE 25-51F-ES



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'

5/16" DIA ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)

DIRECTLY INTO CONCRETE (3515 PSI MIN.)
2" MIN. EMBED INTO CONCRETE, 5" O.C. MIN.

ANCHOR EDGE DISTANCES

INTO CONCRETE = 3-1/8" MIN.

TYPE 'B'

3/8" DIA SCREW-BOLT+ BY 'DEWALT'

DIRECTLY INTO CONCRETE (4000 PSI MIN.)
3-1/4" MIN. EMBED INTO CONCRETE, 5" O.C. MIN.

ANCHOR EDGE DISTANCES

INTO CONCRETE = 4-1/2" MIN.

TYPE 'C'

5/16" DIA. DRIL-FLEX SELF DRILLING SCREWS (Fu=120 KSI, Fy=95 KSI)

INTO METAL STRUCTURES, 3" O.C. MIN.
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
STEEL: 1/4" THK. MIN. (Fy = 36 KSI MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

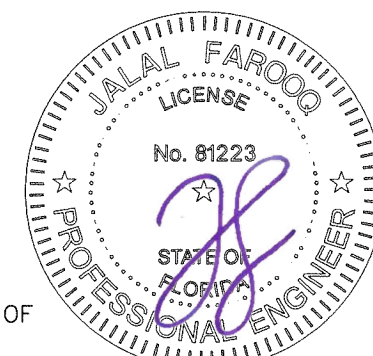
ANCHOR EDGE DISTANCES

INTO METAL STRUCTURE = 1" MIN.

SEALANTS:

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

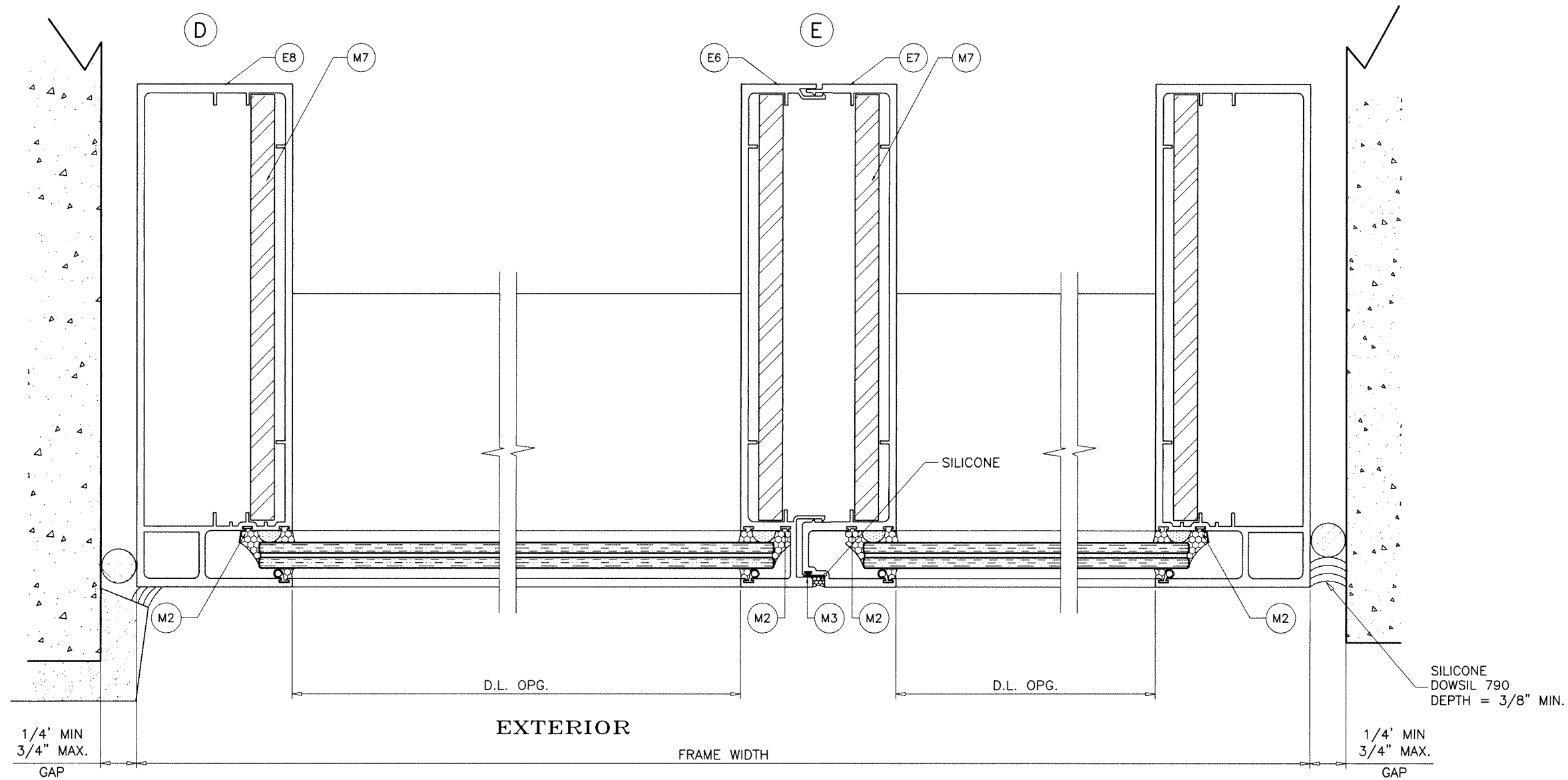
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MIAMI, FL. 33142
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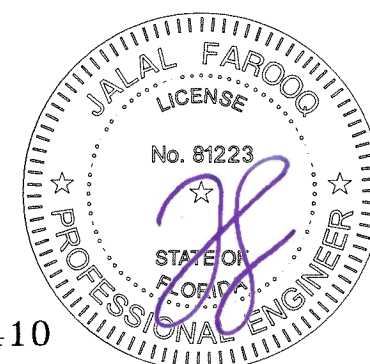
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no	description	date	description	date	description	date	description	date	description
		04-24-25		3/8" = 1"		TARIQ			
drawing no.		25-51F		sheet 6 of 9					



NOTE:
 MAX. MOVEMENT CONSIDERED=100% STRETCH.
 PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION
 MANUAL FOR COMPATABILITY OF SEALANT TO SUBSTRATE & WINDOW WALL
 MATERIAL/FINISH AND COMPLIANCE FOR WARRANTY.
 REFER TO ACI-117-10 FOR CONSTRUCTION TOLERANCES.
 ALTERNATE SEALANTS AT JAMB GAPS CAN BE DESIGNED BY
 ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.
 GAPS LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OF RECORD BY
 THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.

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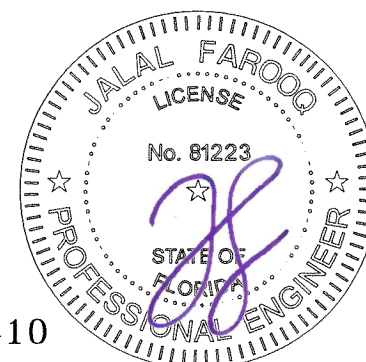
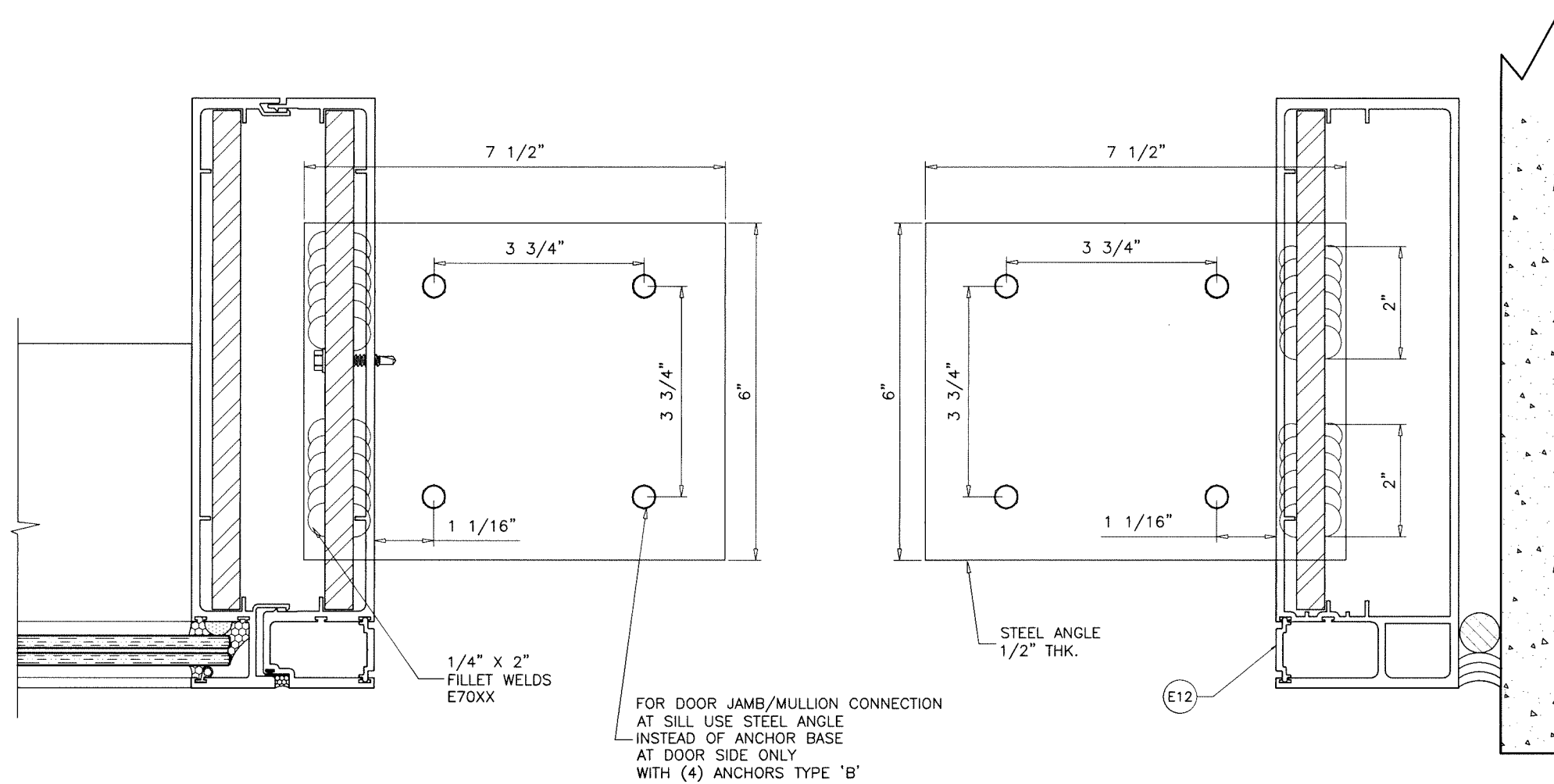
ES-WW1032 SLANTED WINDOW WALL SYS. (S.M.I.)
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date: 04-24-25
 scale: 3/8" = 1"
 dr. by: TARIQ
 chk. by:

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 sheet 7 of 9



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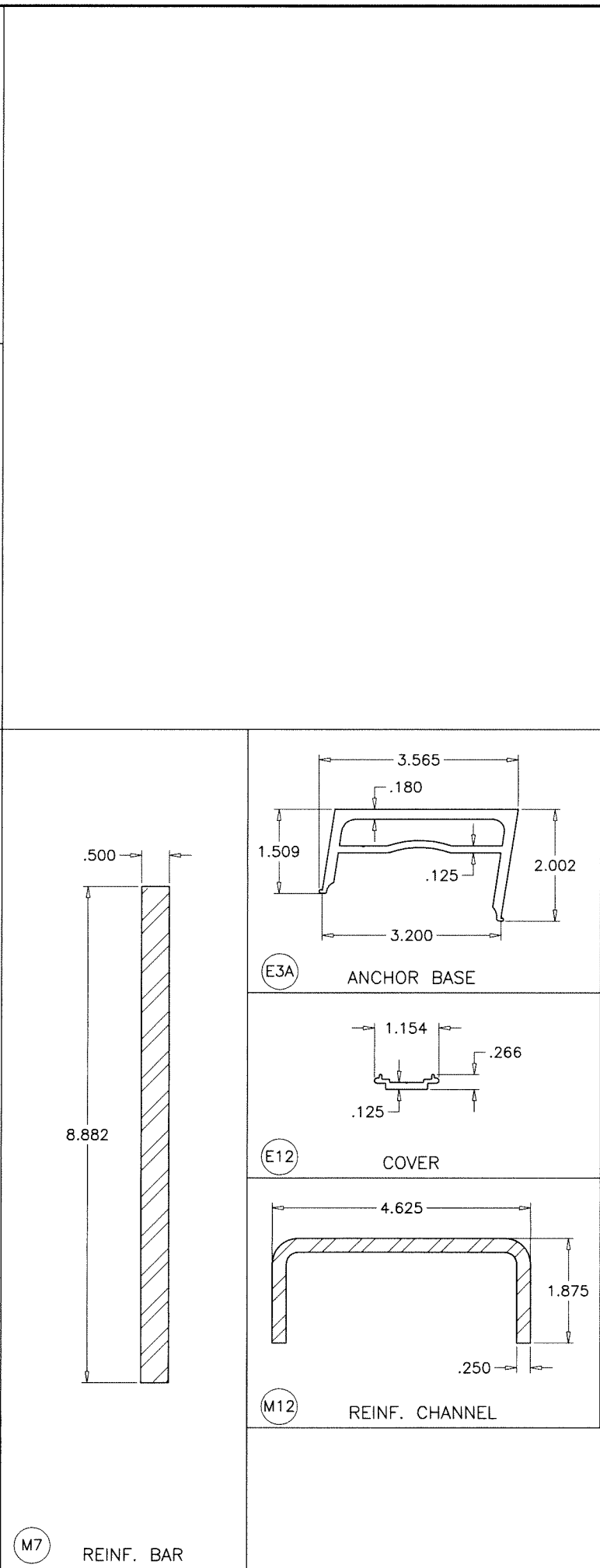
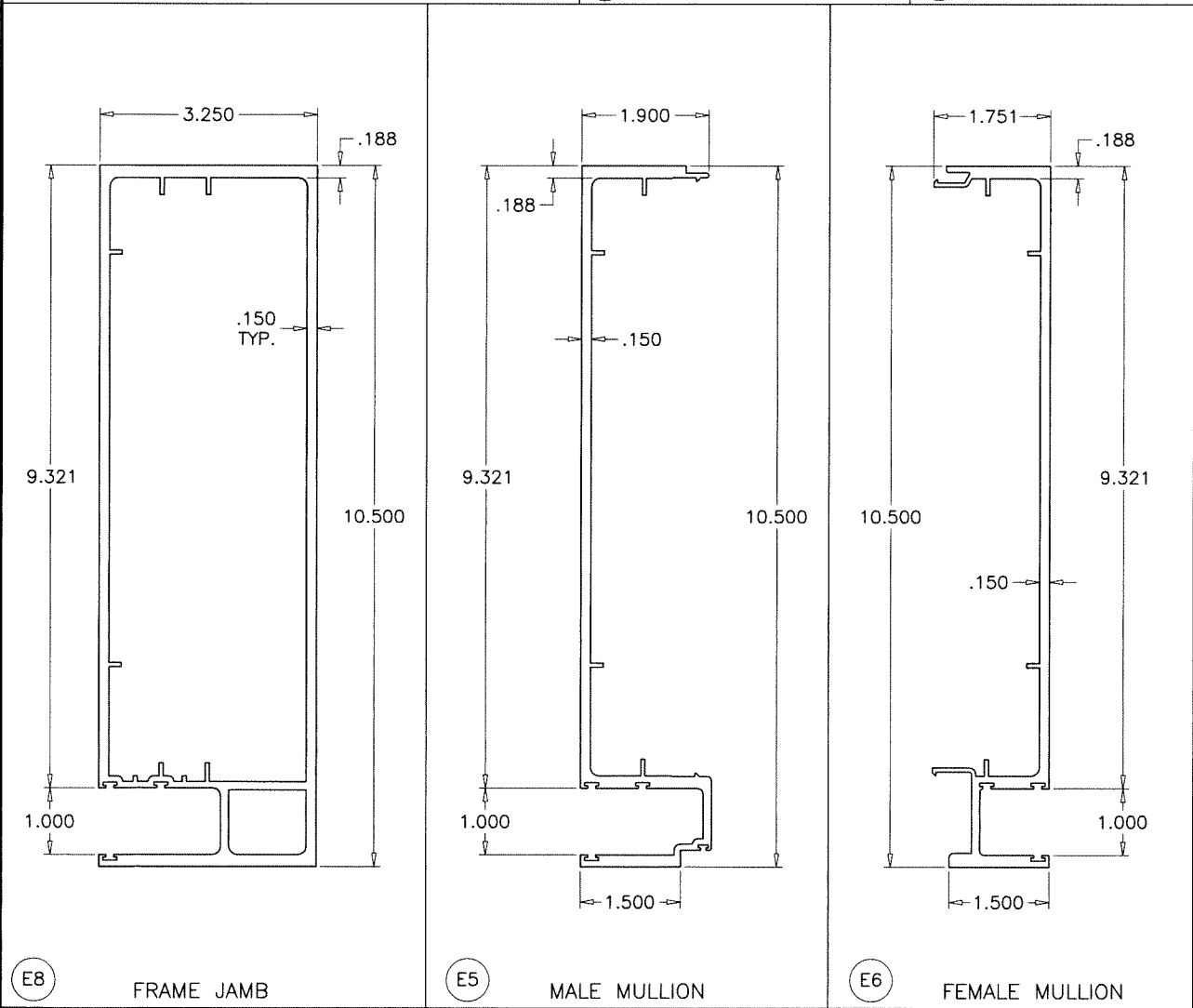
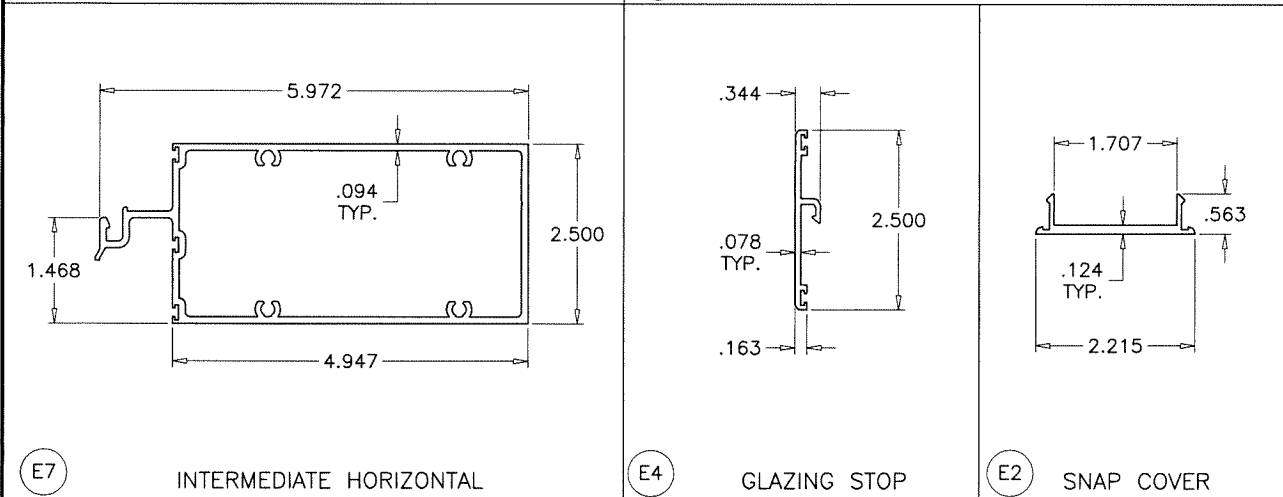
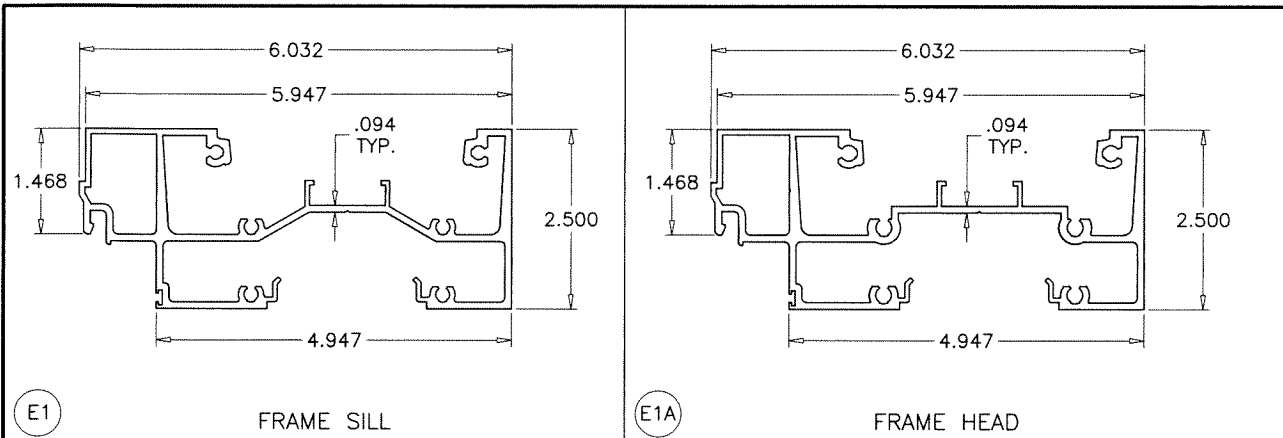
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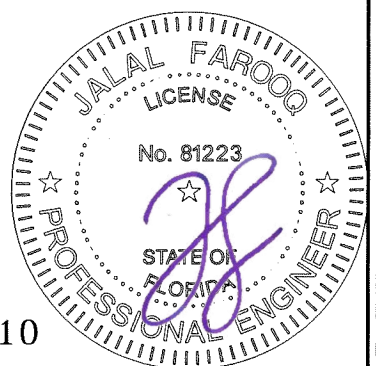
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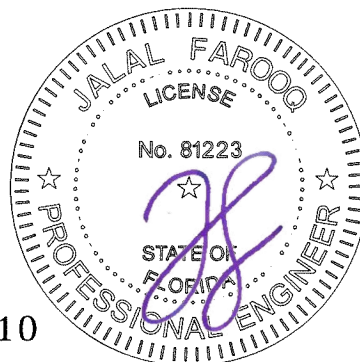
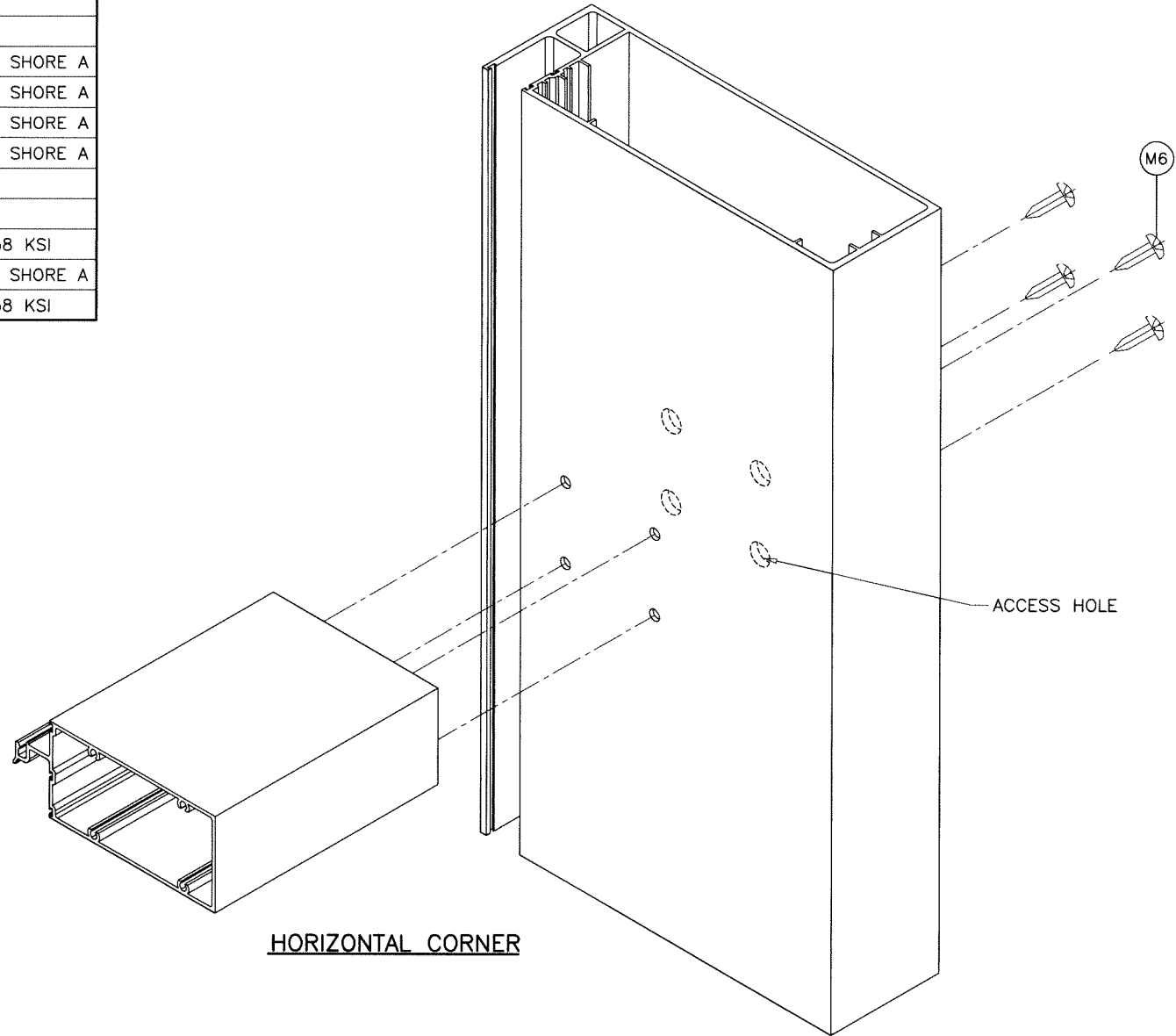
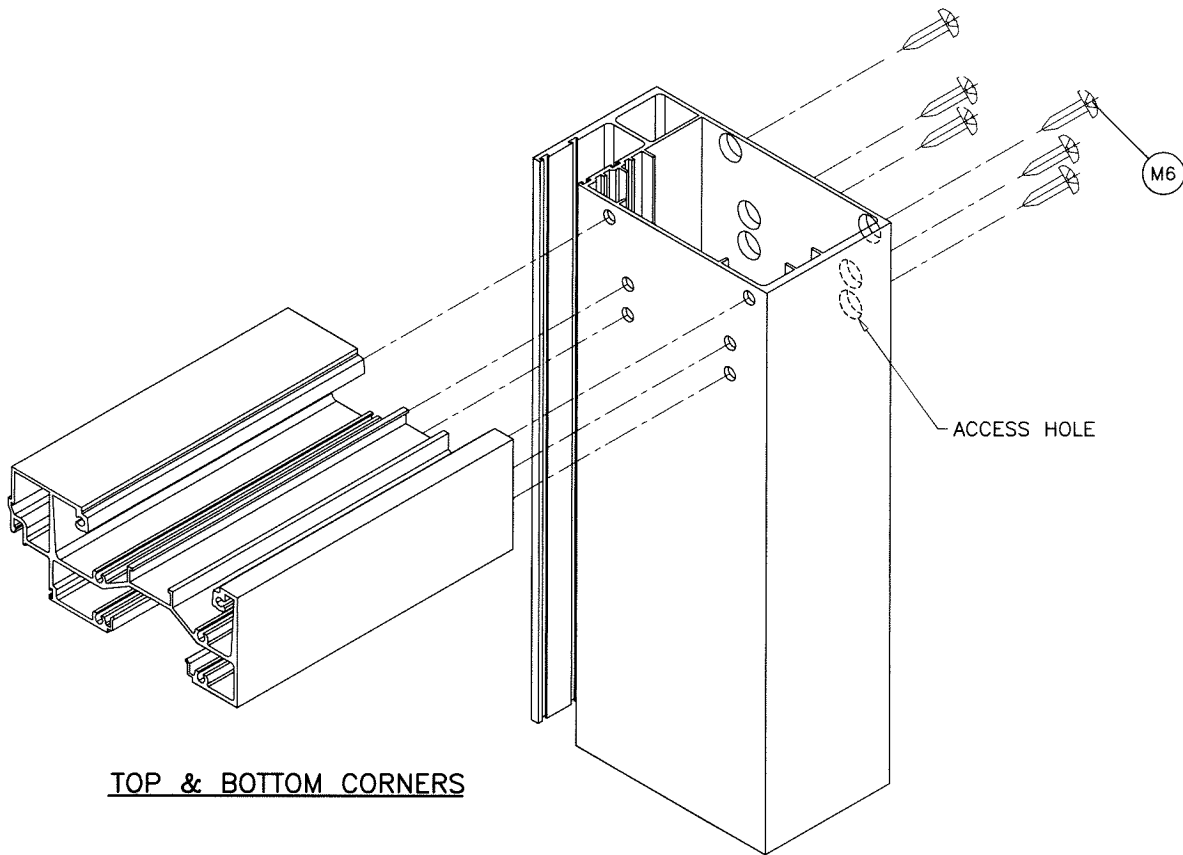
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25-51F

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ITEM NO.	PART NUMBER	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	ES7001A	AS REQD.	FRAME SILL	6005-T5	-
E1A	ES-WW1032-001	AS REQD.	FRAME HEAD	6005-T5	-
E2	ES7003A	AS REQD.	SNAP COVER	6063-T5	-
E3A	ES-8860-039	AS REQD.	ANCHOR BASE (SEE SHEET 5 FOR LENGTHS)	6005-T5	-
E4	ES7006	AS REQD.	GLAZING STOP	6063-T6	-
E5	ES-WW1032-003	AS REQD.	MALE MULLION	6005-T5	-
E6	ES-WW1032-002	AS REQD.	FEMALE MULLION	6005-T5	-
E7	ES7005	AS REQD.	INTERMEDIATE HORIZONTAL	6005-T5	-
E8	ES-WW1032-004	AS REQD.	FRAME JAMB	6005-T5	-
E9	ALU-P-020	AS REQD.	SILL LEVELER (1" X 1")	ALUMINUM	-
E10	-	AS REQD.	ALUMINUM ANGLE (1" X 1" X 1/8")	6063-T6	-
E12	ES-7032	AS REQD.	COVER	6063-T6	-
M1	ES7000-G01	AS REQD.	EXTERIOR GLASS SEAL	SANTOPRENE	DUROMETER 60±5 SHORE A
M2	ES7000-G02	AS REQD.	SILICONE DAM	SANTOPRENE	DUROMETER 60±5 SHORE A
M3	ES7000-G03	AS REQD.	SILICONE SEPARATOR	SANTOPRENE	DUROMETER 60±5 SHORE A
M4	80-378	2/ LITE	SETTING BLOCK	EPDM	DUROMETER 85±5 SHORE A
M5	3/8" BOLT	AS REQD.	LEVELING SCREW	ST/ST	-
M6	#12 X 1"	AS REQD.	FRAME ASSEMBLY SCREWS	ST/ST	PH SMS
M7	-	AS REQD.	REINFORCING BAR (FRAME LENGTH - 6")	STEEL	A36, Fu MIN. = 58 KSI
M8	ES8011	AS REQD.	BUMPON	EPDM	DUROMETER 80±5 SHORE A
M12	-	AS REQD.	REINFORCING CHANNEL (FULL LENGTH)	STEEL	A36, Fu MIN. = 58 KSI



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revisions:

no	date	by	description

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scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

drawing no.

25-51F

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