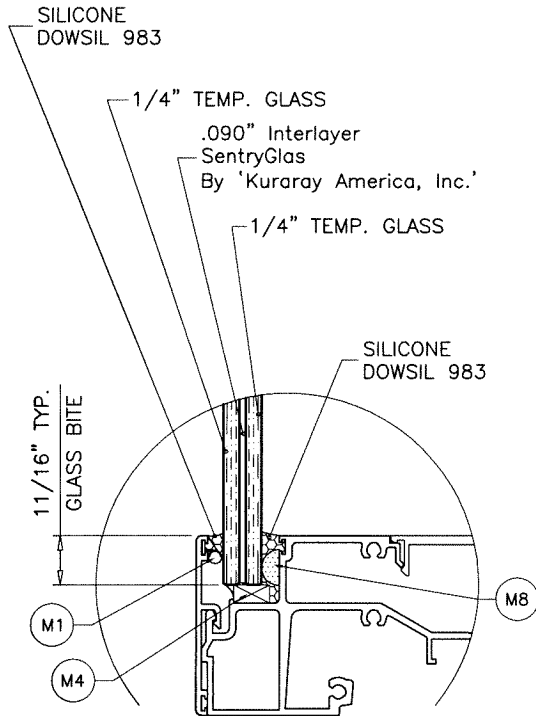
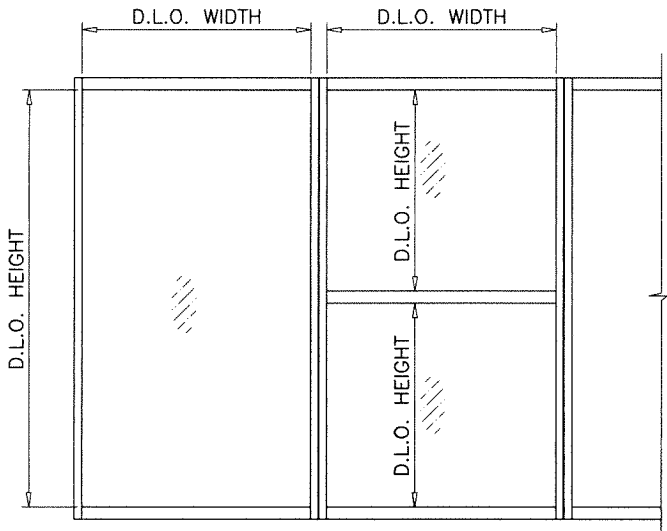


GLASS DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS.		9/16" LAM. GLASS	
D.L.O. WIDTH	D.L.O. HEIGHT	EXT. (+)	INT. (-)
26-3/4"	50-1/2"	156.0	156.0
32-3/4"		156.0	156.0
38-3/4"		156.0	156.0
44-3/4"		156.0	156.0
50-3/4"		156.0	156.0
56-3/4"		156.0	156.0
62-3/4"		156.0	156.0
74-3/4"		156.0	156.0
26-3/4"	62-1/2"	156.0	156.0
32-3/4"		156.0	156.0
38-3/4"		156.0	156.0
44-3/4"		156.0	156.0
50-3/4"		156.0	156.0
56-3/4"		156.0	156.0
62-3/4"		141.6	141.6
68-3/4"		141.6	141.6
74-3/4"		141.6	141.6
26-3/4"	74-1/2"	156.0	156.0
32-3/4"		156.0	156.0
38-3/4"		156.0	156.0
44-3/4"		156.0	156.0
50-3/4"		156.0	156.0
56-3/4"		156.0	156.0
62-3/4"		141.6	141.6
68-3/4"		128.8	128.8
74-3/4"		118.8	118.8
26-3/4"	86-1/2"	156.0	156.0
32-3/4"		156.0	156.0
38-3/4"		156.0	156.0
44-3/4"		156.0	156.0
50-3/4"		156.0	156.0
56-3/4"		156.0	156.0
62-3/4"		141.6	141.6
26-3/4"	98-1/2"	156.0	156.0
32-3/4"		156.0	156.0
38-3/4"		156.0	156.0
44-3/4"		156.0	156.0
50-3/4"		156.0	156.0
56-3/4"		156.0	156.0
26-3/4"	122-1/2"	156.0	156.0
32-3/4"		156.0	156.0
38-3/4"		156.0	156.0
44-3/4"		156.0	156.0
26-3/4"	136"	156.0	156.0
32-3/4"		156.0	156.0
38-3/4"		156.0	156.0

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-16 (3 SEC. GUSTS).



GLAZING DETAIL

GLASS

FL #18410



af c

AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
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STORE \ 25-50F-ES

ES-WW1032 SLANTED WINDOW WALL SYS. (L.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: 04-24-25

scale: 3/8" = 1"

dr. by: TARIQ

chk. by:

drawing no.

25-50F

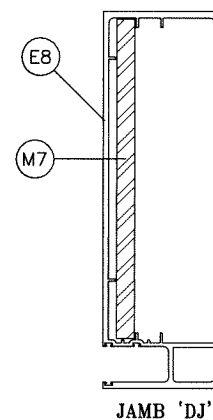
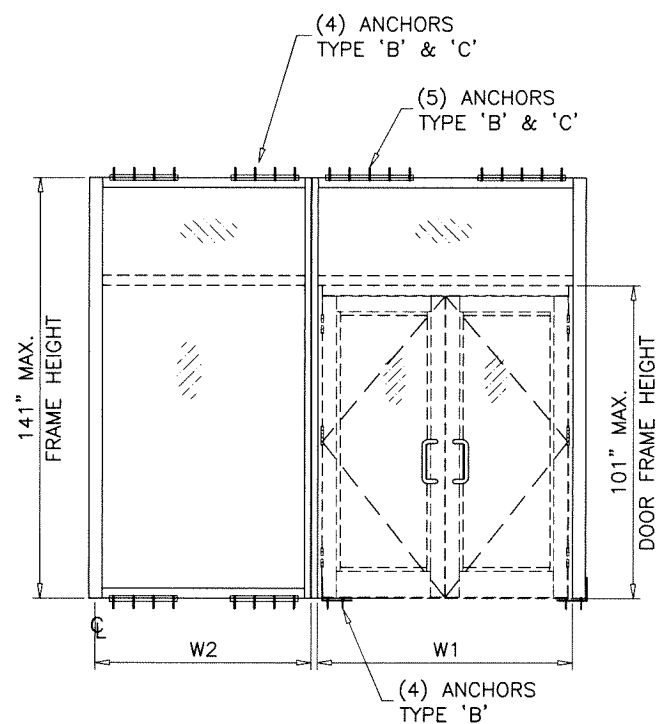
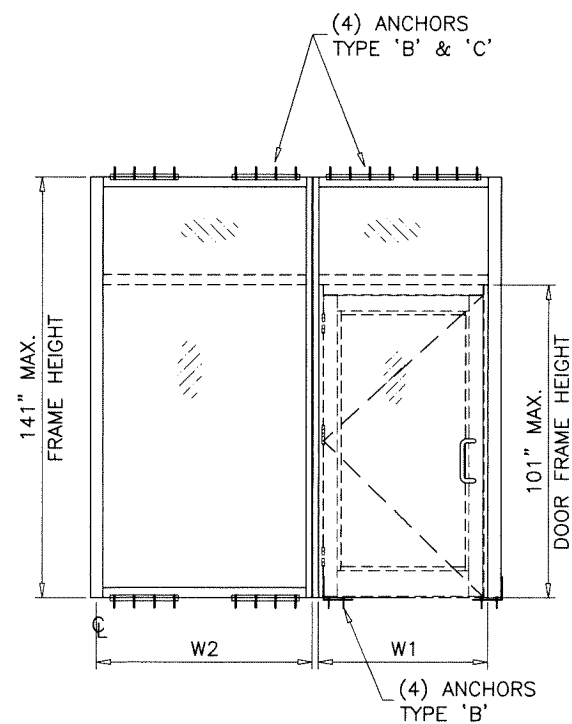
sheet 2 of 9

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

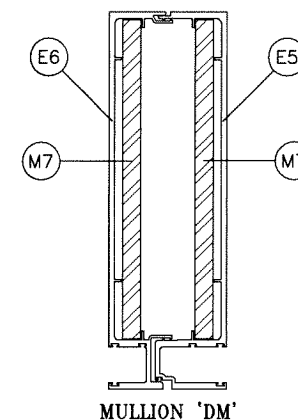
DOOR JAMB/MULLION LOAD CAPACITY - PSF					
NOMINAL DIMS.				JAMB/MULLION 'DJ' & 'DM'	
DOOR HEIGHT INCHES	FRAME HEIGHT INCHES	WIDTH (W1) INCHES	WIDTH (W2) INCHES	EXT.(+)	INT.(-)
90	108	72	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
		76-1/2	48	156.0	156.0
			54	156.0	156.0
			60	156.0	156.0
	120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

Sealed: 9/2/2026

DOOR MULLION



FL #18410

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

revisions:

no	date	description

date: 04-24-25

scale: -

dr. by: TARIQ

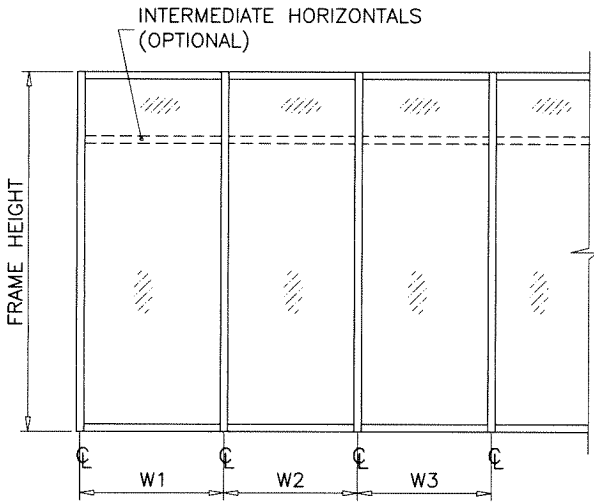
chk. by: -

drawing no.
25-50F

sheet 4 of 9

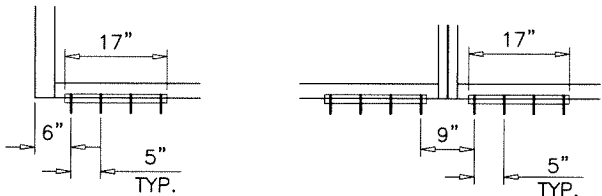
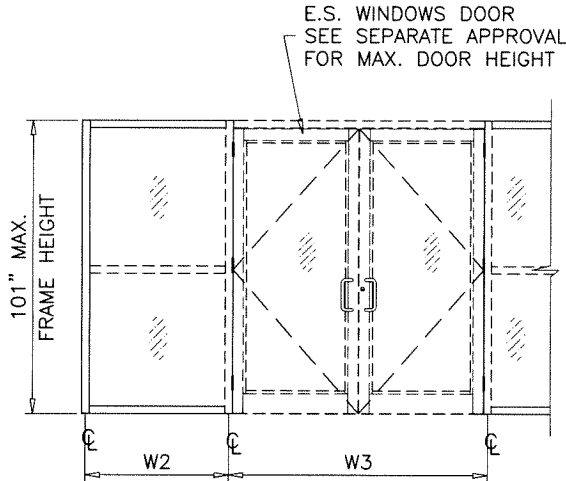
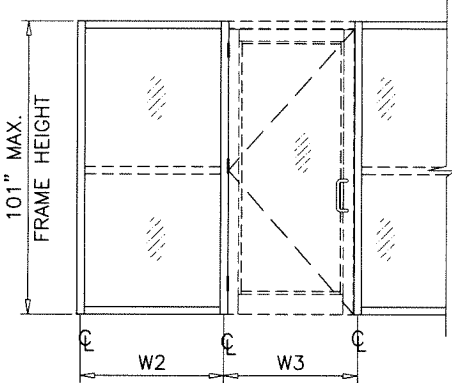
ANCHOR DESIGN LOAD CAPACITY – PSF					
EXT.(+) & INT.(–)					
NOMINAL DIMS.		ANCHOR TYPE 'A'		ANCHOR TYPE 'B'	ANCHOR TYPE 'C'
WIDTH (W)	FRAME HEIGHT	A4	A5	B4	C4
30"	90"	156.0	156.0	156.0	156.0
36"		156.0	156.0	156.0	156.0
42"		156.0	156.0	156.0	156.0
48"		156.0	156.0	156.0	156.0
54"		156.0	156.0	156.0	156.0
60"		156.0	156.0	156.0	156.0
66"		156.0	156.0	156.0	156.0
72"		156.0	156.0	156.0	156.0
78"		156.0	156.0	156.0	156.0
30"	102"	156.0	156.0	156.0	156.0
36"		156.0	156.0	156.0	156.0
42"		156.0	156.0	156.0	156.0
48"		156.0	156.0	156.0	156.0
54"		156.0	156.0	156.0	156.0
60"		156.0	156.0	156.0	156.0
66"		152.6	156.0	156.0	156.0
72"		139.9	156.0	156.0	156.0
78"		129.1	156.0	156.0	156.0
30"	114"	156.0	156.0	156.0	156.0
36"		156.0	156.0	156.0	156.0
42"		156.0	156.0	156.0	156.0
48"		156.0	156.0	156.0	156.0
54"		156.0	156.0	156.0	156.0
60"		150.2	156.0	156.0	156.0
66"		136.5	156.0	156.0	156.0
72"		125.1	156.0	156.0	156.0
30"	126"	156.0	156.0	156.0	156.0
36"		156.0	156.0	156.0	156.0
42"		156.0	156.0	156.0	156.0
48"		156.0	156.0	156.0	156.0
54"		151.0	156.0	156.0	156.0
60"		135.9	156.0	156.0	156.0
66"		123.5	154.4	156.0	156.0
30"	138"	156.0	156.0	156.0	156.0
36"		156.0	156.0	156.0	156.0
42"		156.0	156.0	156.0	156.0
48"		155.1	156.0	156.0	156.0
54"		137.8	156.0	156.0	156.0
60"		124.1	155.1	156.0	156.0
30"	141"	156.0	156.0	156.0	156.0
36"		156.0	156.0	156.0	156.0
42"		156.0	156.0	156.0	156.0
48"		151.8	156.0	156.0	156.0
54"		134.9	156.0	156.0	156.0
60"		121.4	151.8	156.0	156.0

INTERPOLATION BETWEEN WIDTHS OR HEIGHTS ALLOWED.

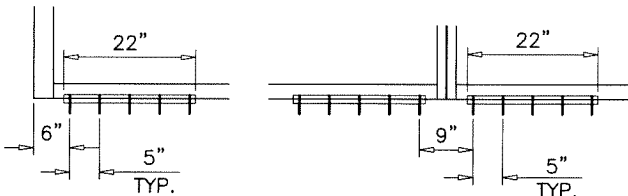


WIDTH (W) = W1
AT JAMB

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



A4, B4, C4

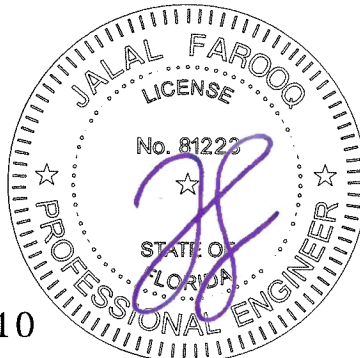


A5

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
C4 = (4) ANCHORS TYPE 'C' AT EACH SIDE OF JAMB AND MULLION

Sealed: 9/2/2026



ANCHOR

FL #18410

af c

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(C.A.N. 3538)

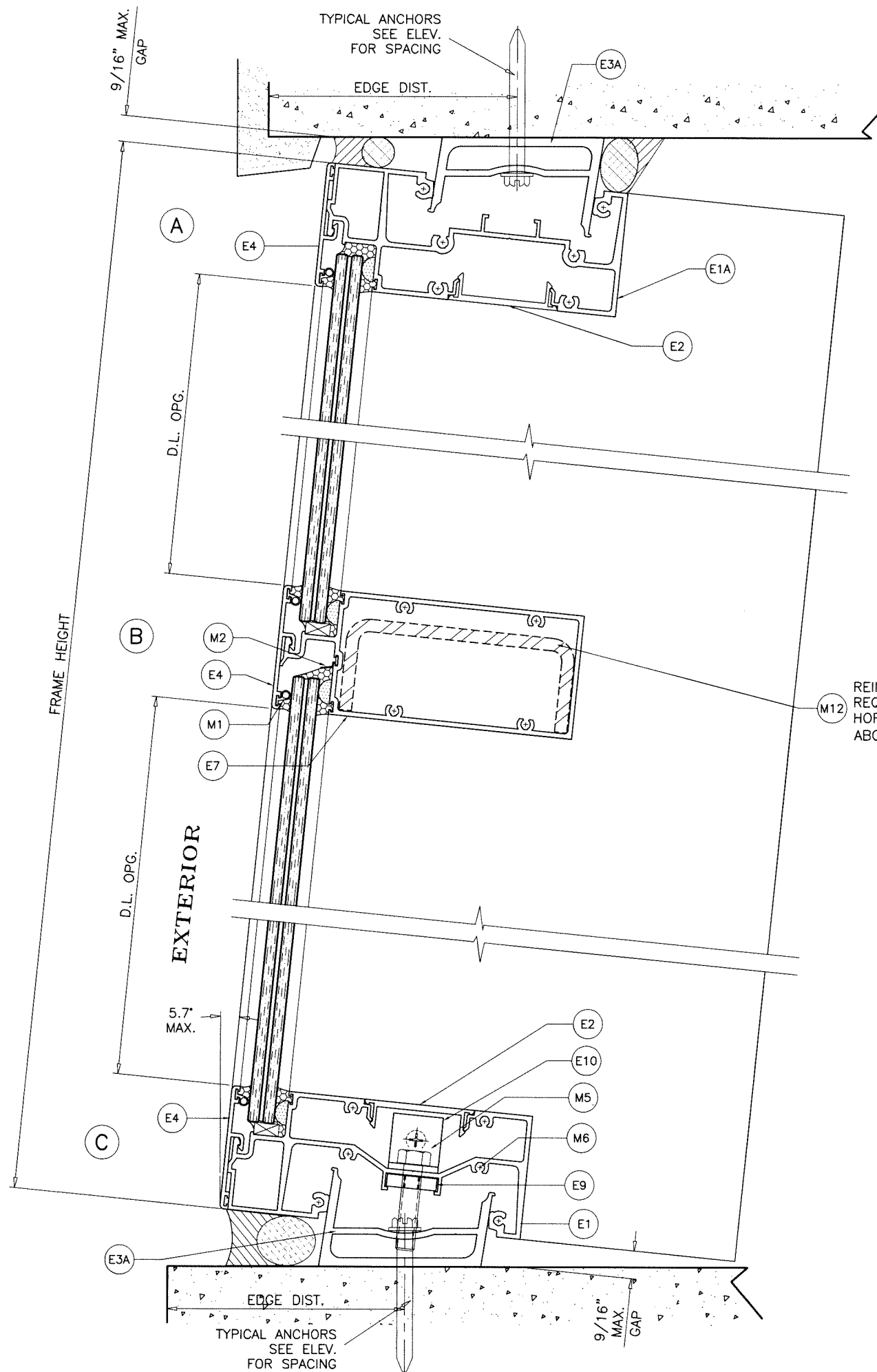
ES-WW1032 SLANTED WINDOW WALL SYS. (L.M.I.)

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: 04-24-25	scale: -	dr. by: TARIQ	chk. by:
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drawing no.	25-50F
sheet	5 of 9



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

TYPE 'A'

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

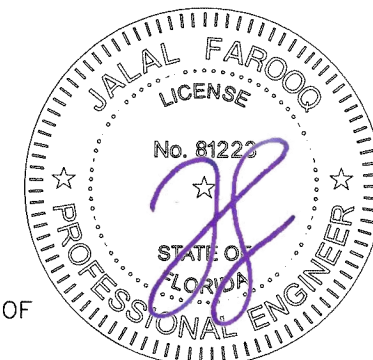
TYPE 'B'

ANCHOR EDGE DISTANCES

TYPE 'C'

ANCHOR EDGE DISTANCES

SEALANTS:



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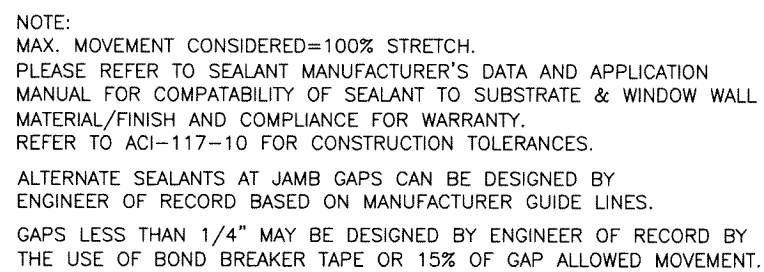
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
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FL #18410

date: 04-24-25		revisions:	
scale: 3/8" = 1"	dr. by: TARIQ	no	date by description
chk. by:			
drawing no. 25-50F			
sheet 6 of 9			



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 and "STATE OF FLORIDA" is at the bottom. In the center, the license number "No. 81222" is displayed above a single star. A large, stylized purple signature is written across the center of the seal. The number "410" is printed in the bottom left corner of the page.

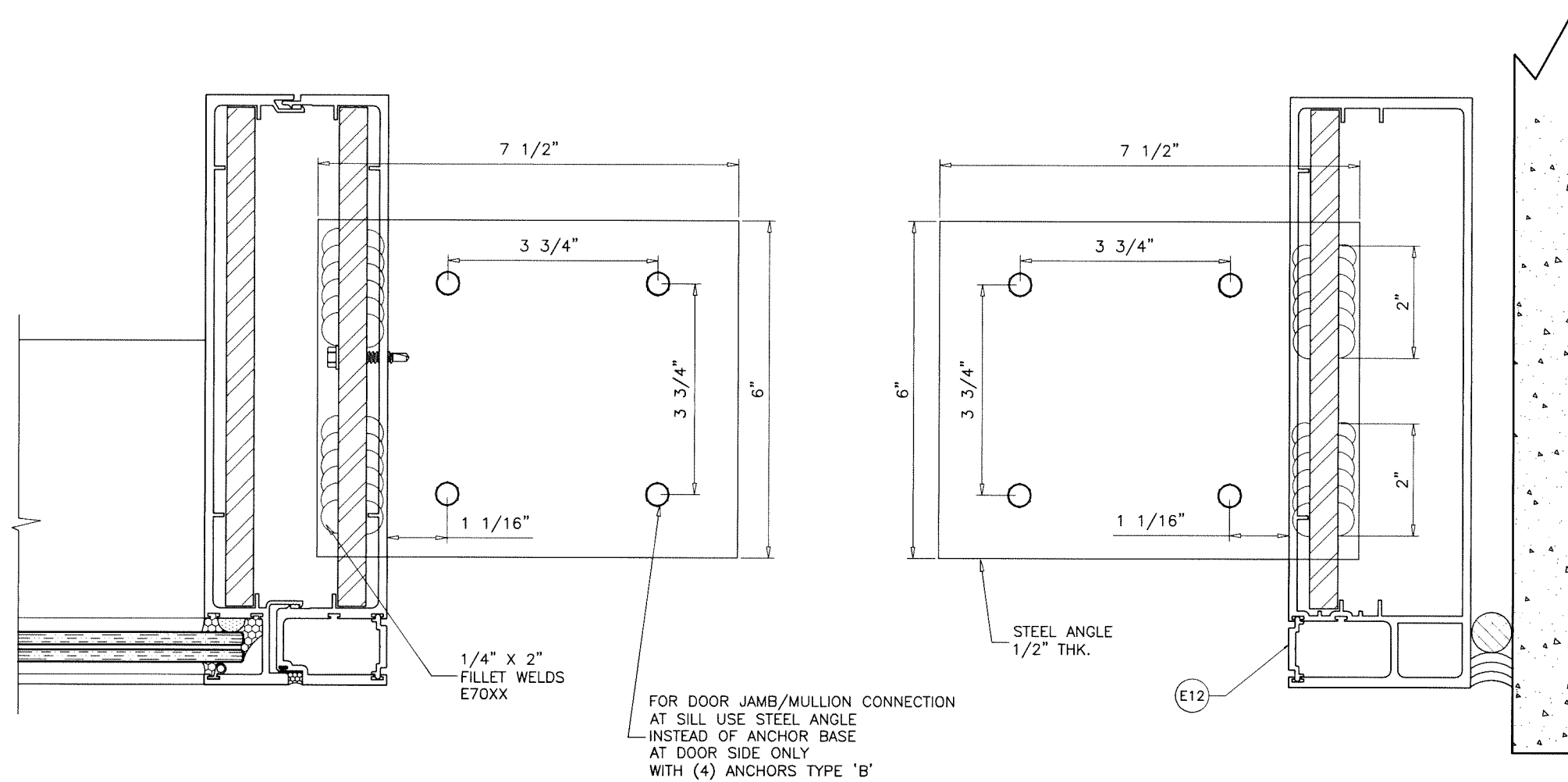
FL #18410

date:	04-24-25	scale: $\frac{3}{8}" = \frac{1"}{1}$	dr. by: TARIQ	chk. by:
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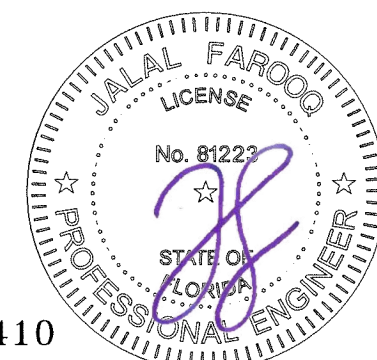
revisions:	no	date	by	description

drawing no.
25-50F

sheet 7 of 9



Sealed: 9/2/2026



FL #18410

AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
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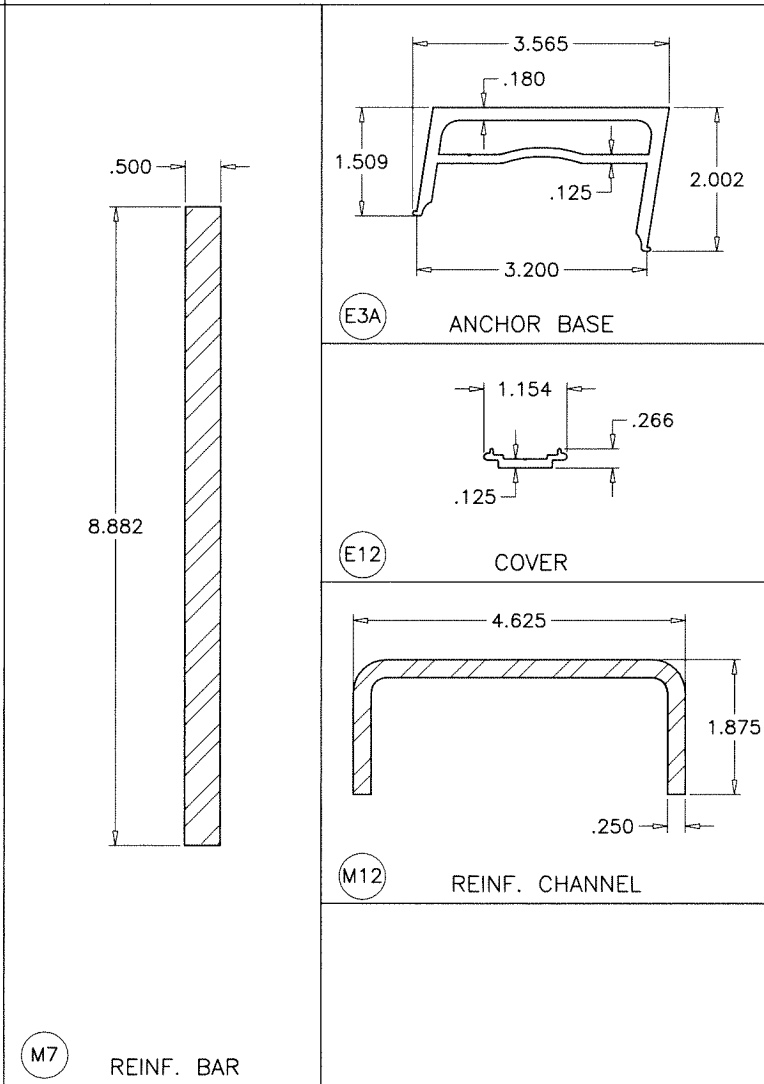
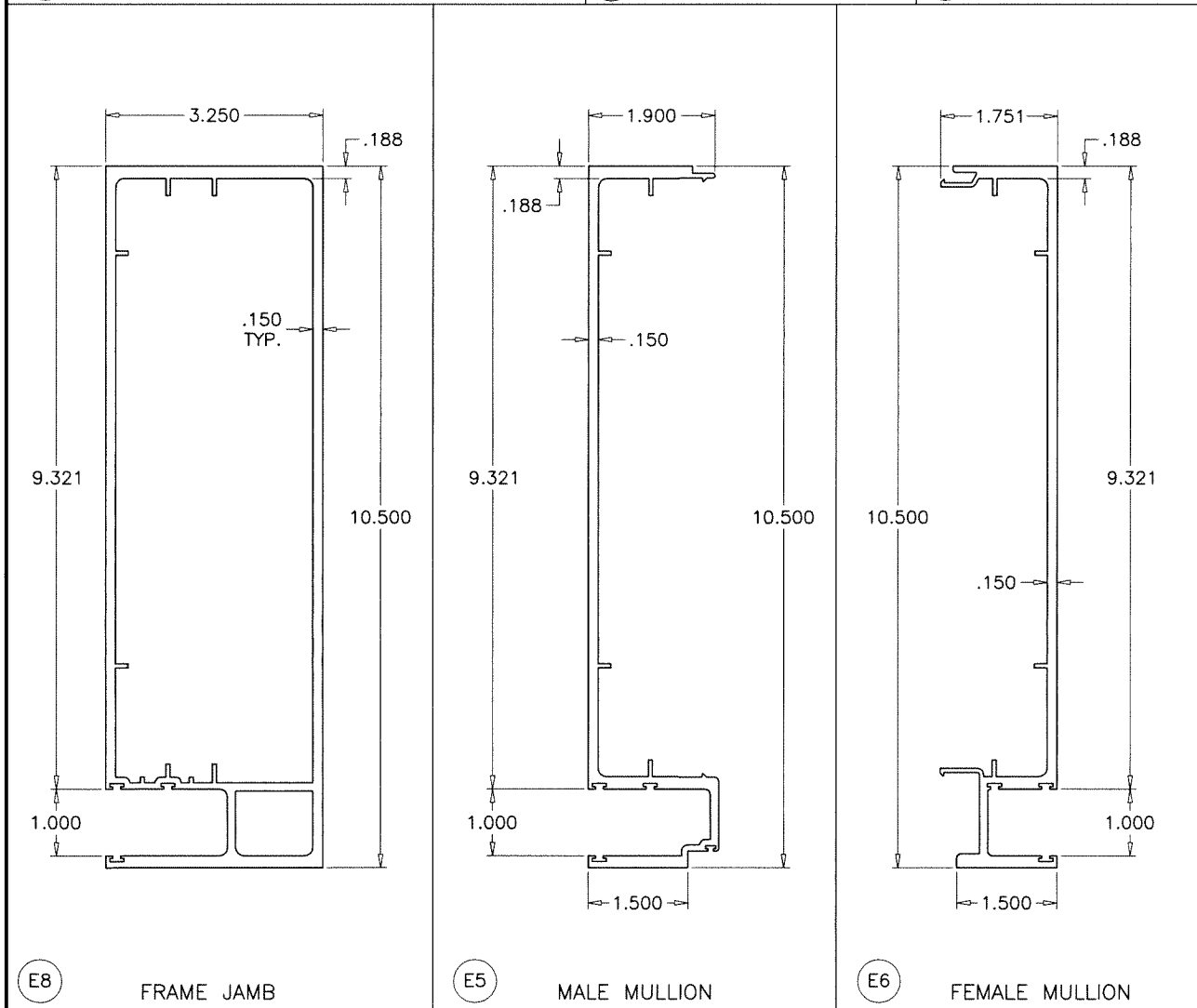
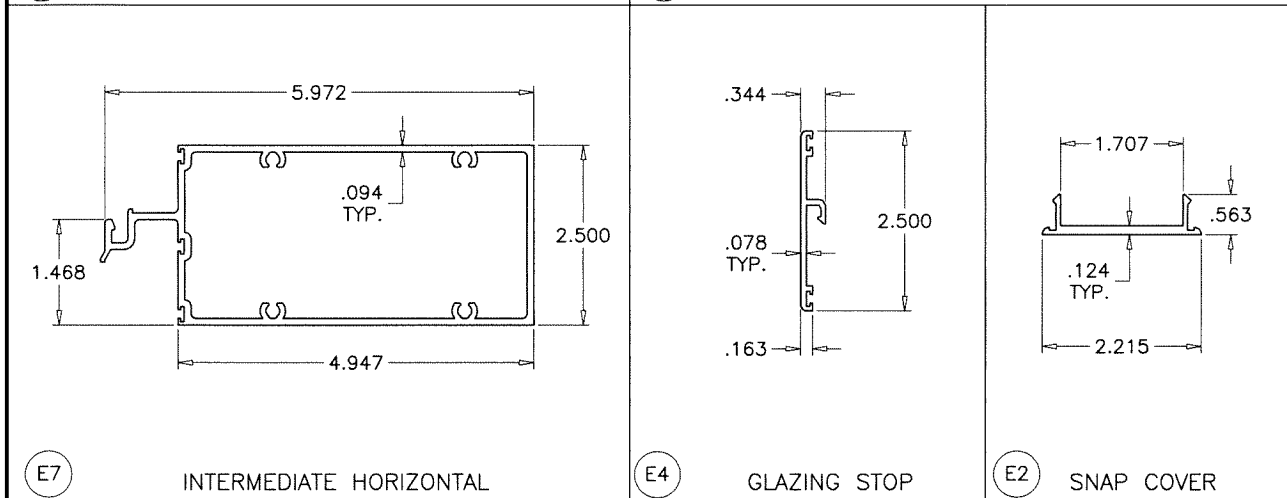
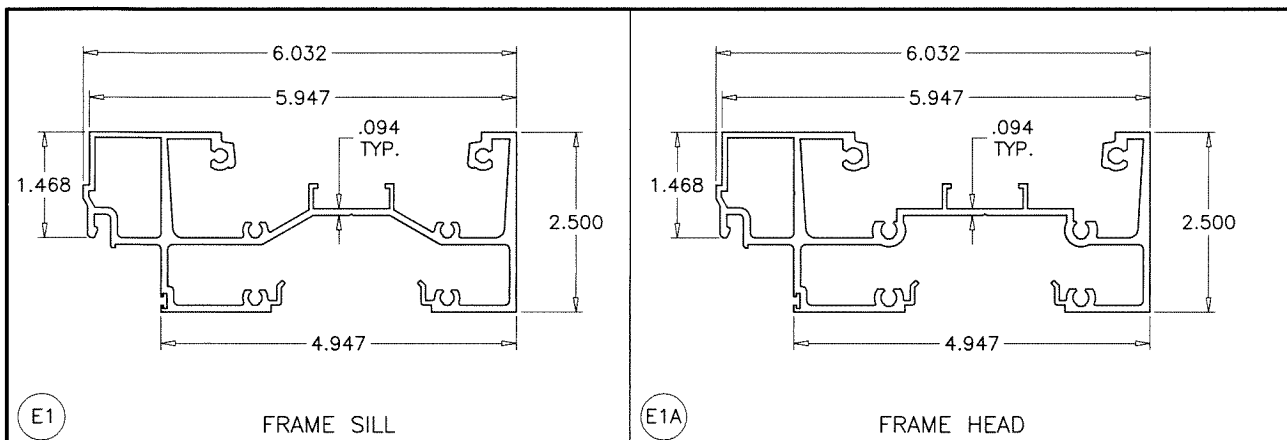
ES-WW1032 SLANTED WINDOW WALL SYS. (L.M.I.)
E.S. WINDOWS, LLC
3550 N.W. 49 STREET
MIAMI, FL. 33142
TEL. (305) 638-5151 FAX. (305) 638-5158

revisions:	
no	date by description

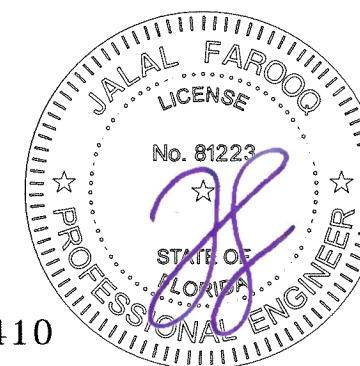
date: 04-24-25	scale: 3/8" = 1"
dr. by: TARIQ	chk. by:

drawing no.
25-50F
sheet 7.1 of 9

STORE 25-50F-ES



FL #18410



Sealed: 9/2/2026

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STORE \25-50F-ES

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

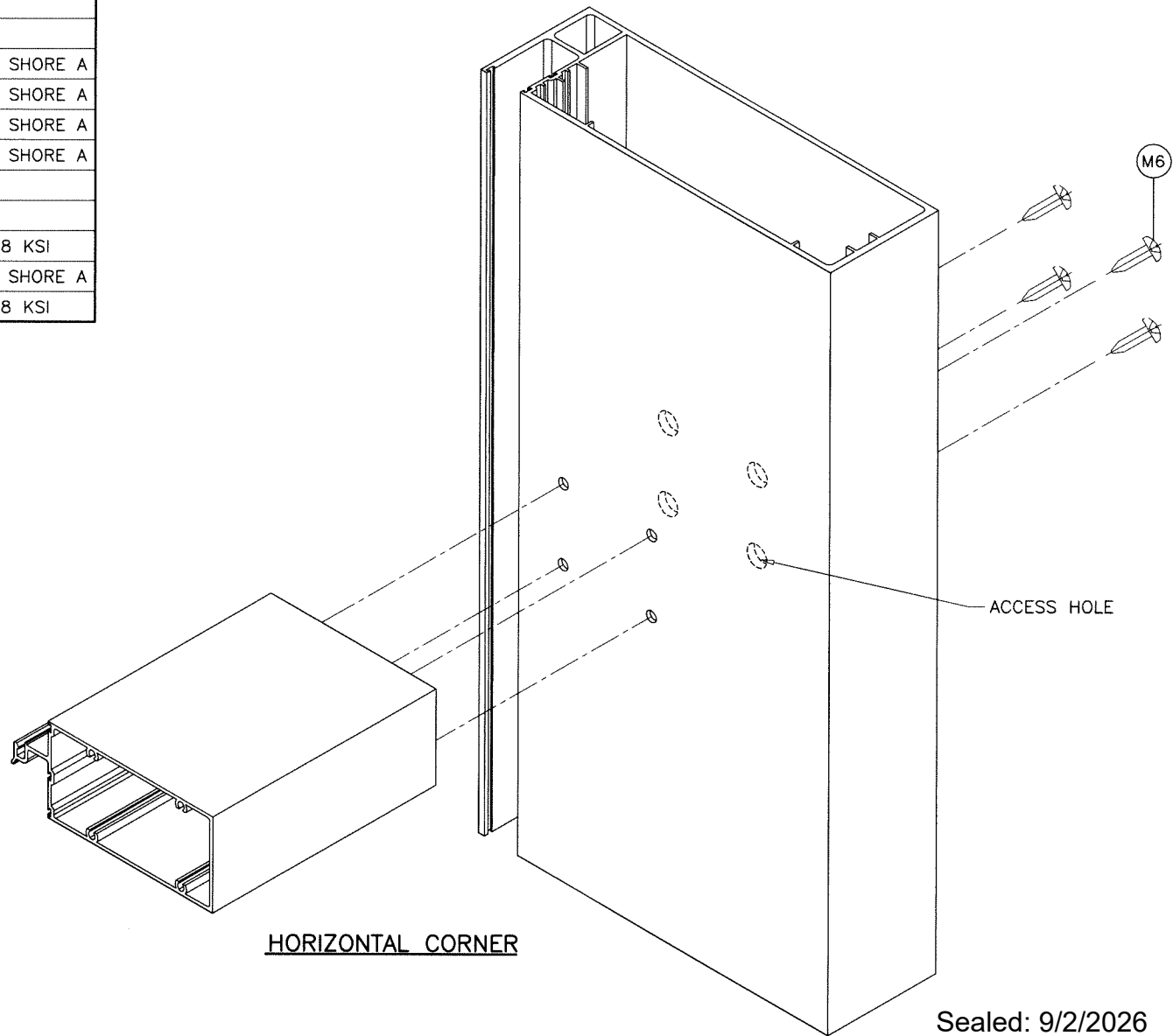
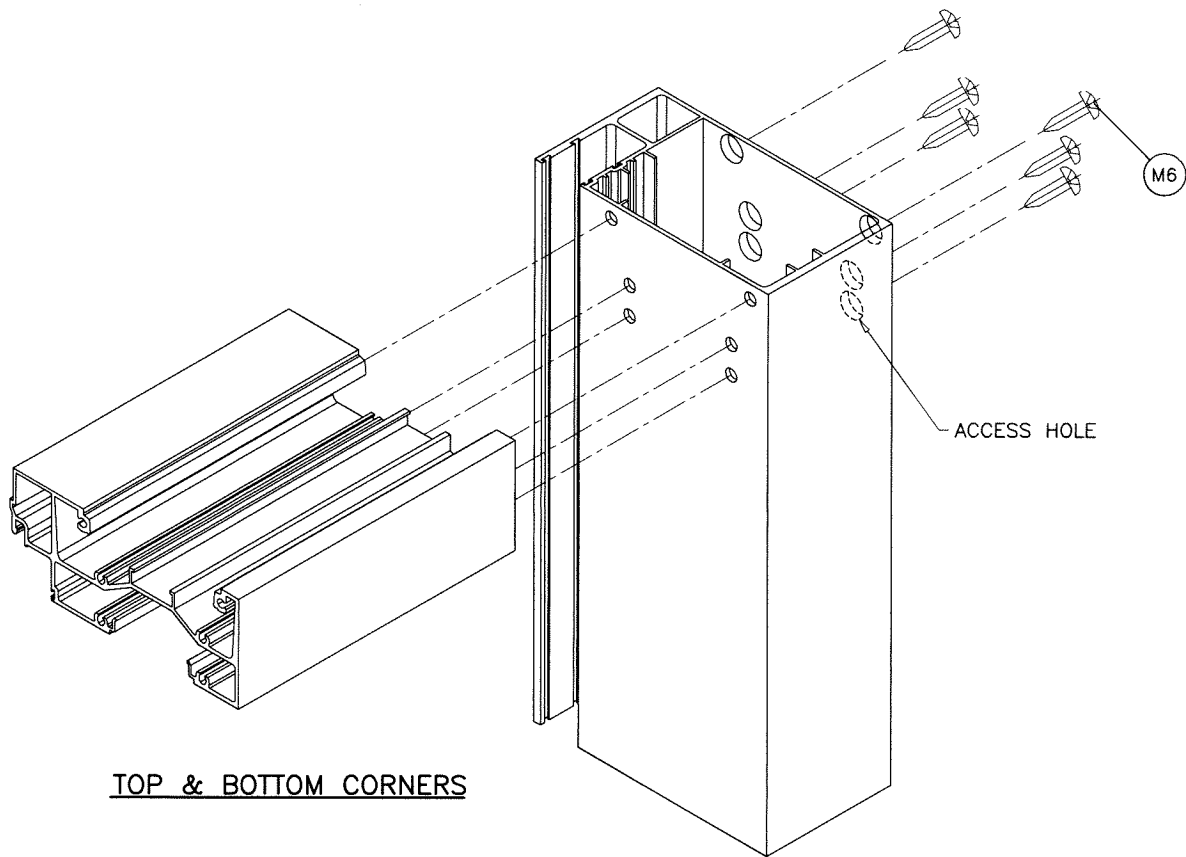
E.S. WINDOWS, LLC
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Revisions:	
no	date by description

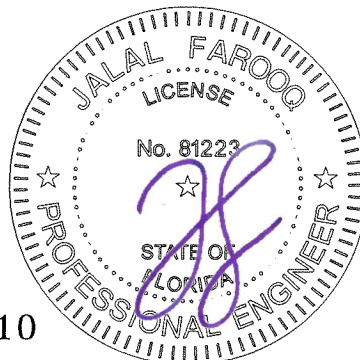
date: 04-24-25
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
25-50F
sheet 8 of 9

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



FL #18410



Sealed: 9/2/2026

af c
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revisions:
no date by description

date: 04-24-25
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
25-50F
sheet 9 of 9

STORE\25-50F-ES