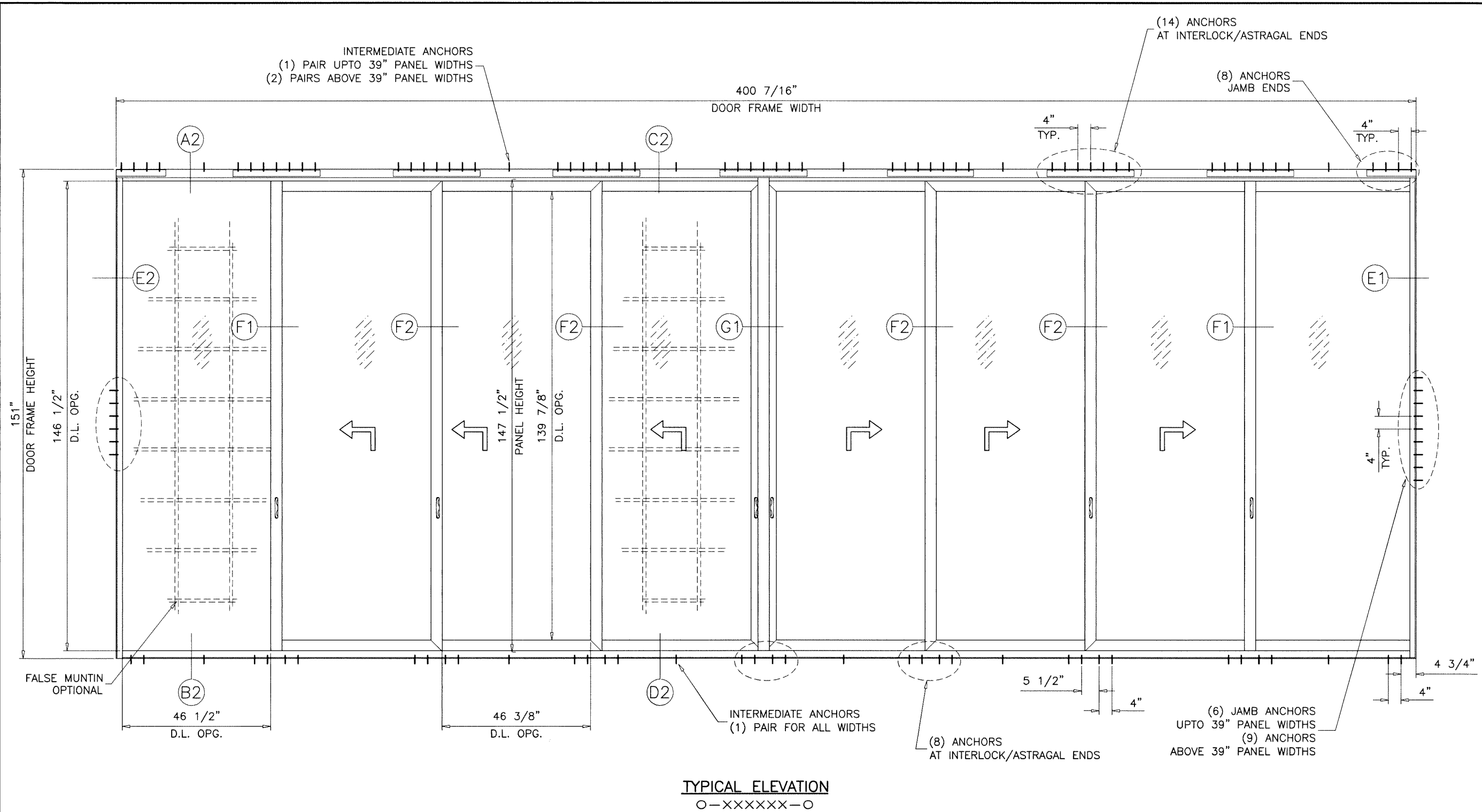




sheet 1 of 12



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FL #22232



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL W16-84ES

a f c

ES-LS7035 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)

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

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W16-84

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GLASS LOAD CAPACITY – PSF (2, 3 & 4 TRACK DOORS)			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	1-5/16" OVERALL INSUL. LAM. GLASS	
		EXT.(+)	INT.(–)
30	96	77.0	122.0
36		77.0	122.0
42		77.0	122.0
48		77.0	122.0
54		77.0	122.0
60		70.1	111.1
30	108	77.0	122.0
36		77.0	122.0
42		77.0	122.0
48		77.0	122.0
54		77.0	122.0
60		70.1	111.1
30	120	77.0	122.0
36		77.0	122.0
42		77.0	122.0
48		77.0	122.0
54		77.0	121.0
60		70.1	108.0
30	132	77.0	122.0
36		77.0	122.0
42		77.0	122.0
48		77.0	122.0
54		77.0	112.0
60		70.1	100.0
30	144	77.0	122.0
36		77.0	122.0
42		77.0	122.0
48		77.0	122.0
54		77.0	106.0
30	147-1/4	77.0	122.0
36		77.0	122.0
42		77.0	122.0
48		77.0	122.0
54		77.0	105.0

DOOR HEIGHT AND WIDTH SIZE MUST COMPLY
EGRESS REQUIREMENTS PER FBC AS REQUIRED.

SILL ANCHOR LOAD CAPACITY – PSF (2 TRACK DOORS ONLY)					
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	4 ANCHORS AT MTG. STILE ENDS	5 ANCHORS AT MTG. STILE ENDS	6 ANCHORS AT MTG. STILE ENDS	7 ANCHORS AT MTG. STILE ENDS
		EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)	EXT. (+) INT. (–)
30	96	122.0	122.0	122.0	122.0
36		122.0	122.0	122.0	122.0
42		122.0	122.0	122.0	122.0
48		122.0	122.0	122.0	122.0
54		122.0	122.0	122.0	122.0
60		121.2	122.0	122.0	122.0
30	108	122.0	122.0	122.0	122.0
36		122.0	122.0	122.0	122.0
42		122.0	122.0	122.0	122.0
48		119.0	122.0	122.0	122.0
54		109.7	122.0	122.0	122.0
60		102.5	122.0	122.0	122.0
30	120	122.0	122.0	122.0	122.0
36		122.0	122.0	122.0	122.0
42		115.4	122.0	122.0	122.0
48		104.2	122.0	122.0	122.0
54		95.6	119.5	122.0	122.0
60		88.9	111.1	122.0	122.0
30	132	122.0	122.0	122.0	122.0
36		116.9	122.0	122.0	122.0
42		102.9	122.0	122.0	122.0
48		92.6	115.7	122.0	122.0
54		84.6	105.8	122.0	122.0
60		78.4	98.0	117.6	122.0
30	144	122.0	122.0	122.0	122.0
36		105.8	122.0	122.0	122.0
42		92.9	116.1	122.0	122.0
48		83.3	104.2	122.0	122.0
54		76.0	95.0	113.9	122.0
30	147-1/4	121.0	122.0	122.0	122.0
36		103.1	122.0	122.0	122.0
42		90.5	113.1	122.0	122.0
48		81.1	101.4	121.7	122.0
54		73.9	92.4	110.9	122.0

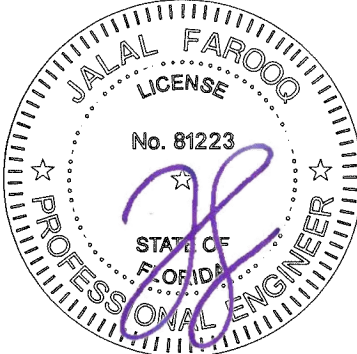
HEAD ANCHORS:
14 ANCHORS REQD. AT FRAME HEAD MTG. STILE LOCATIONS
MAX. LOAD CAPACITY = 122 PSF

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

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-16 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

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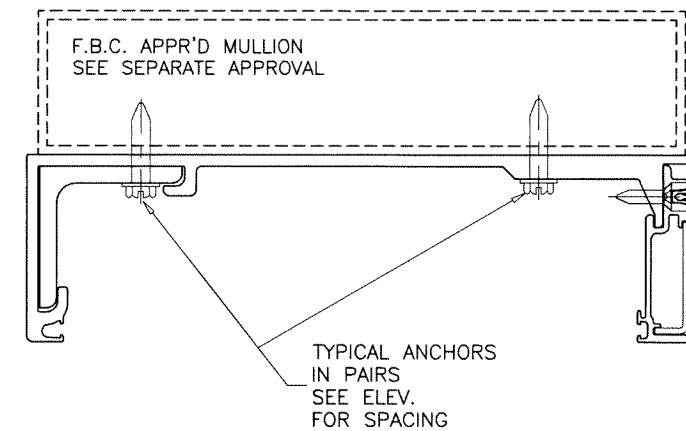
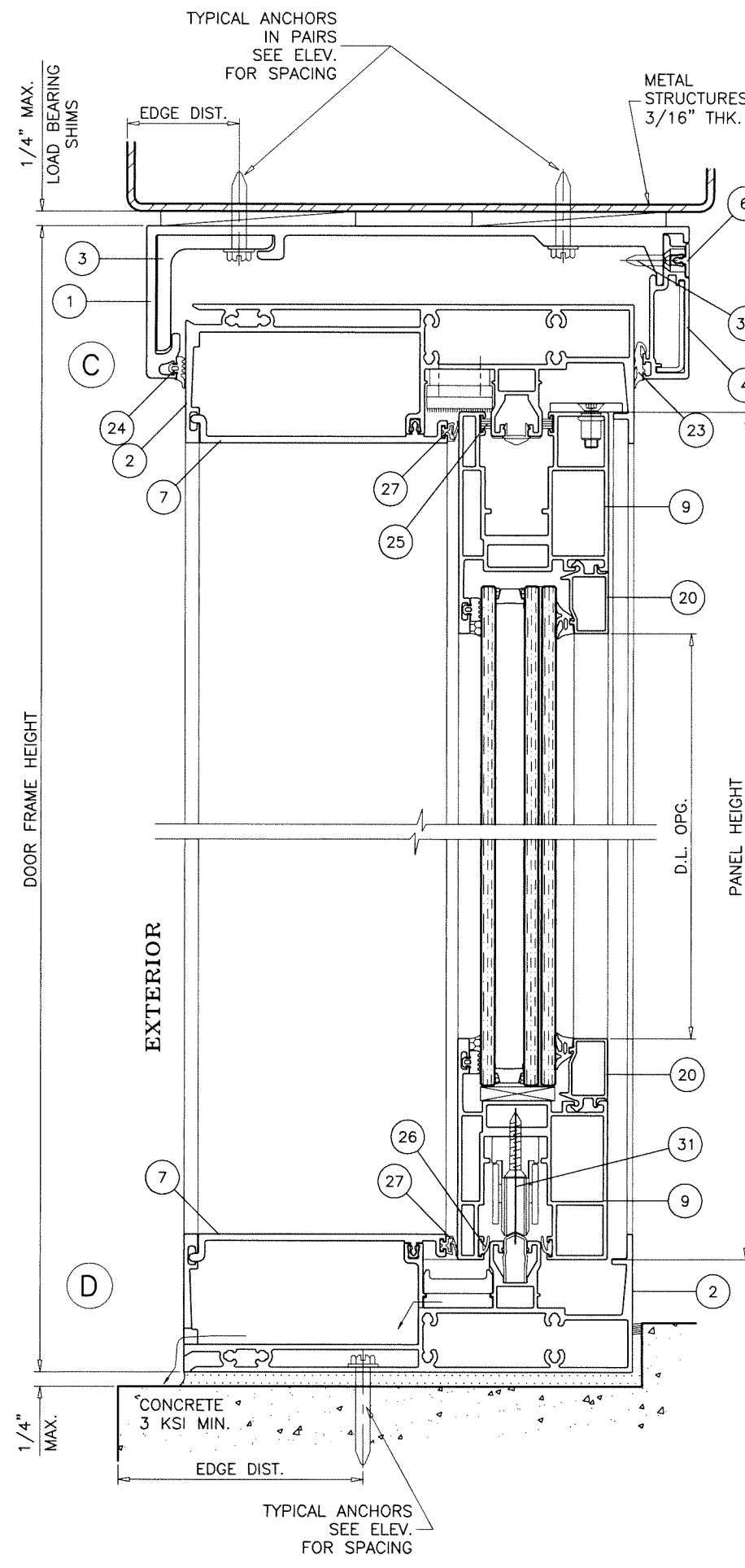
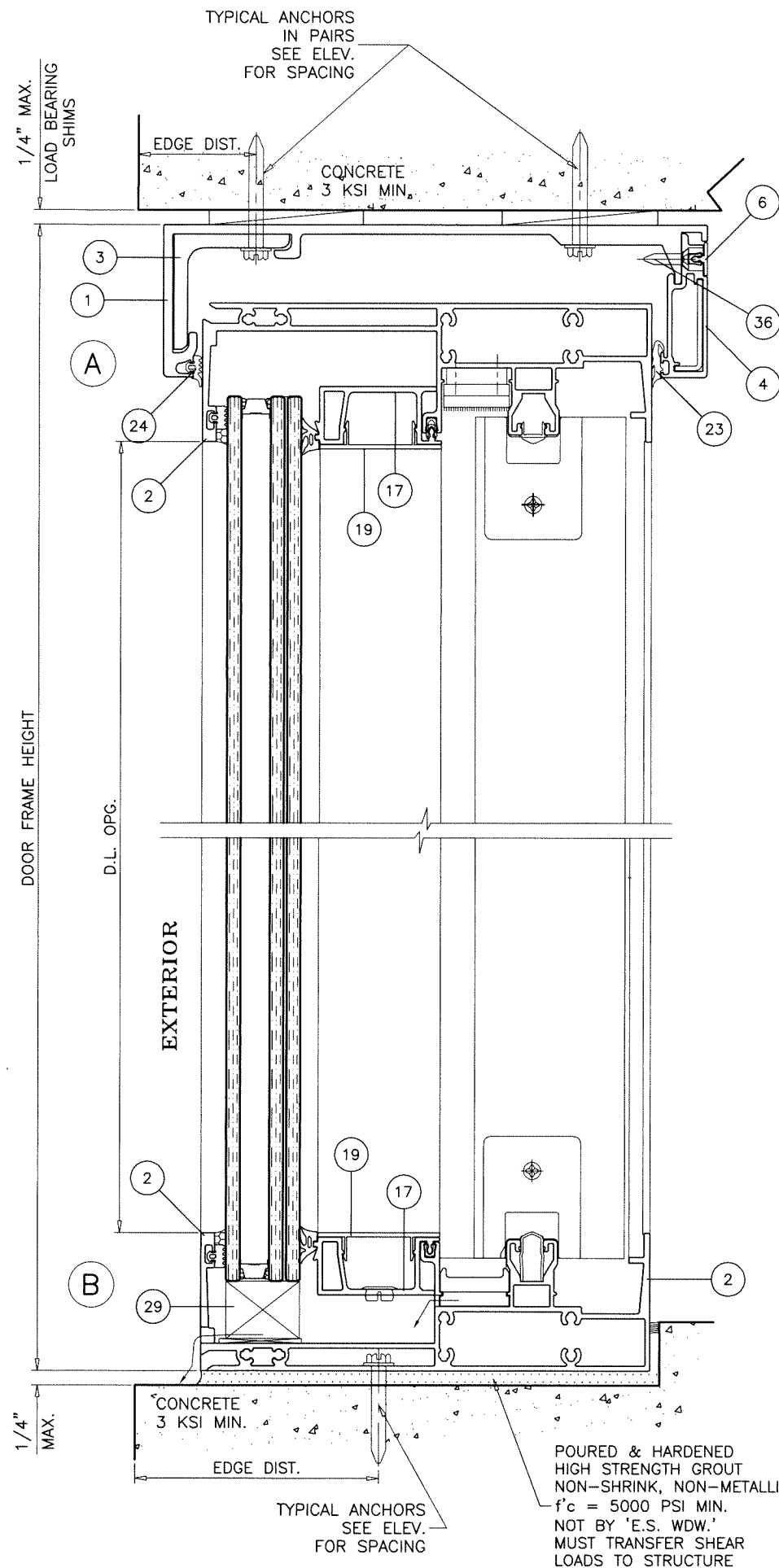
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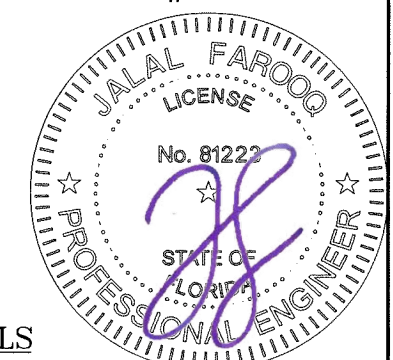
DOOR OPENINGS AND METAL STRUCTURE NOT BY 'E.S. WDW.' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING
1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)
 DIRECTLY INTO CONCRETE OR BLOCKS
 1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-3/4" MIN. EMBED INTO BLOCKS (JAMBS)
1/4" DIA. TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
 INTO F.B.C. APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES (HEAD/JAMBS)
 ALUMINUM: 3/16" THK. MIN. (6063-T5 MIN.)
 STEEL: 3/16" THK. MIN. ($F_y = 36$ KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.
 CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3000$ PSI MIN.
 C-90 GROUT FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.

WEEPHOLES:
 W1 = 1/4" X 1" LONG WEEP HOLES AT 6" FROM EACH END AND 12" O.C.
 W2 = 1-1/2" LONG WEEP NOTCH AT 6" FROM EACH END AND 12" O.C.

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TWO (2) TRACK DOOR DETAILS

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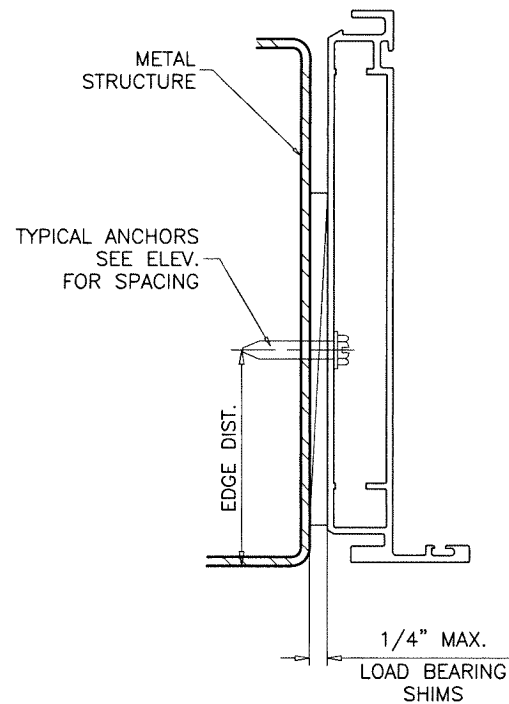
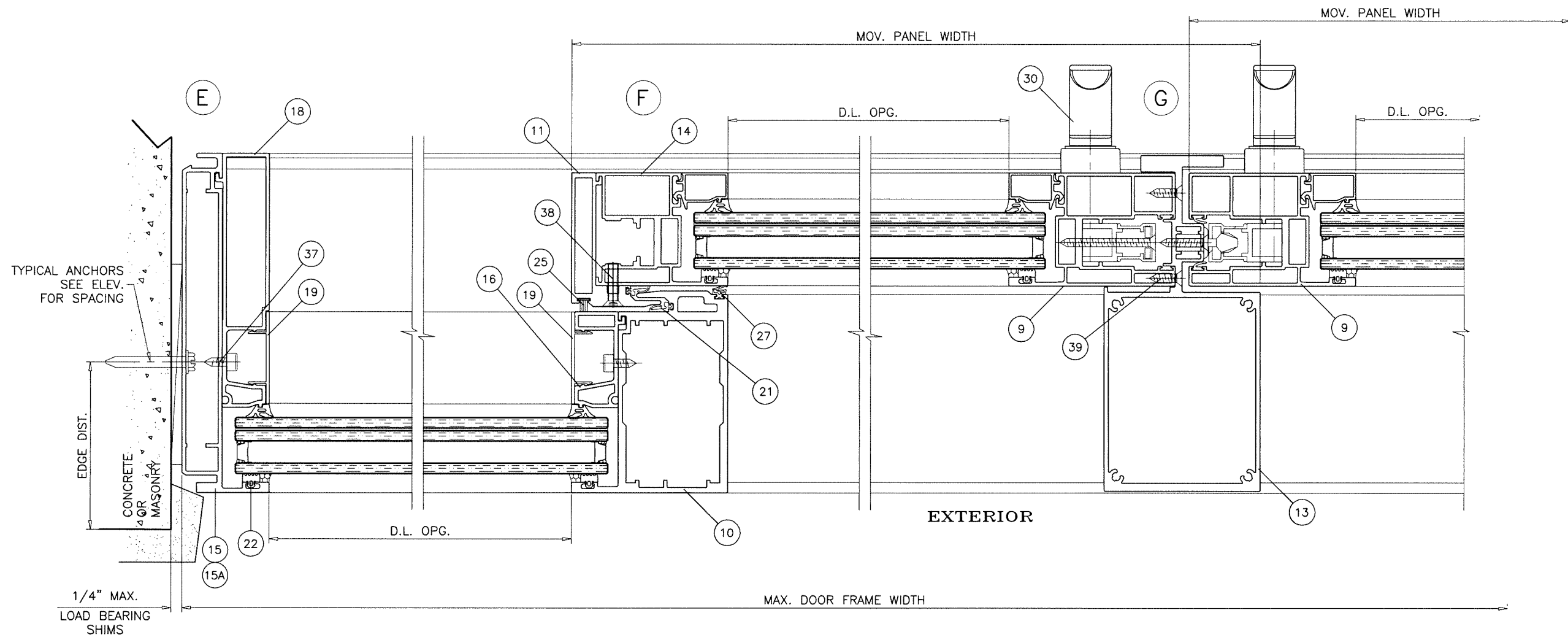
ES-LS7035 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)

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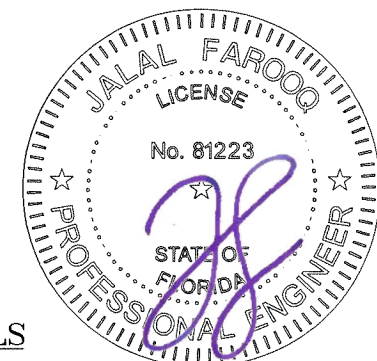
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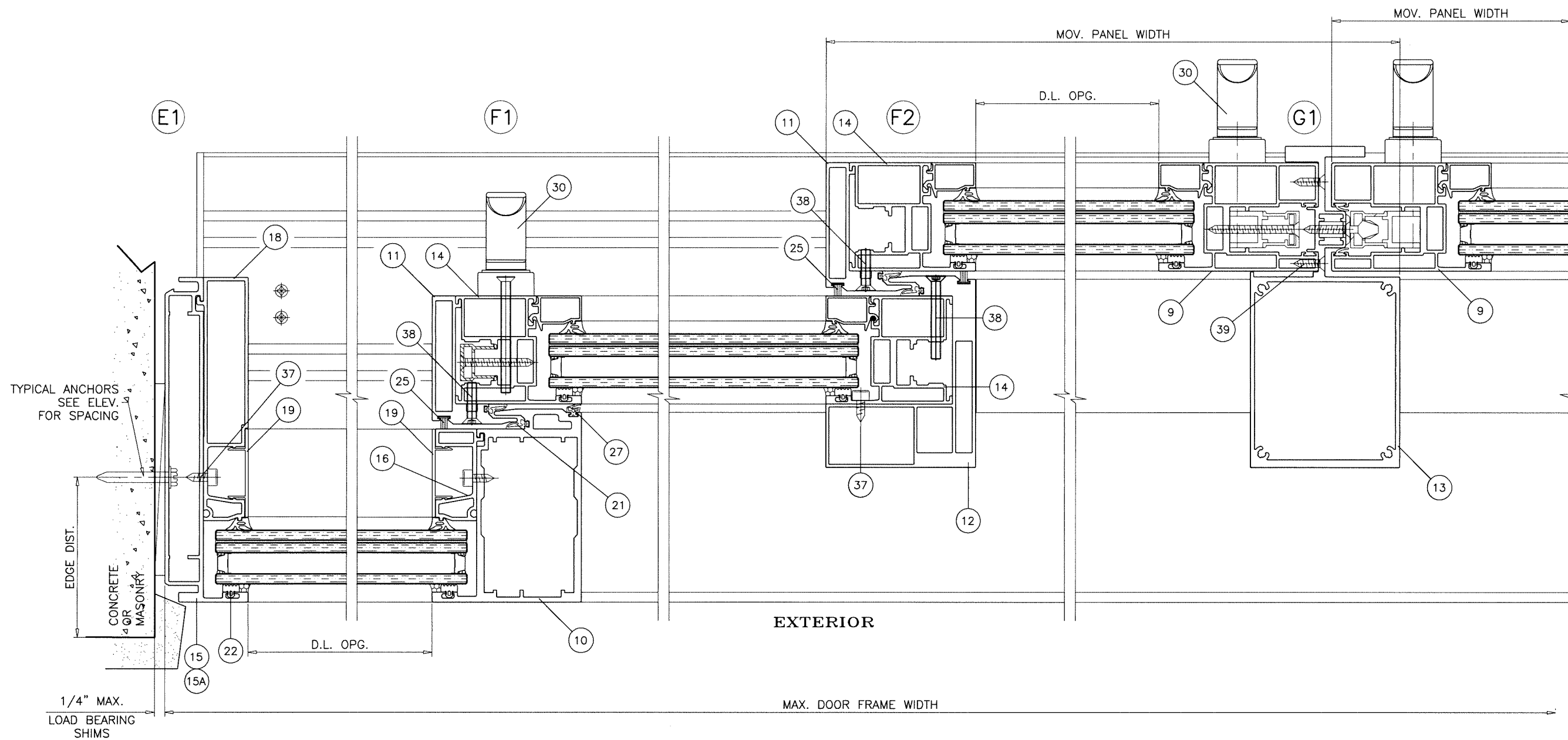


TWO (2) TRACK DOOR DETAILS

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AL-FAROOQ CORPORATION
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 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
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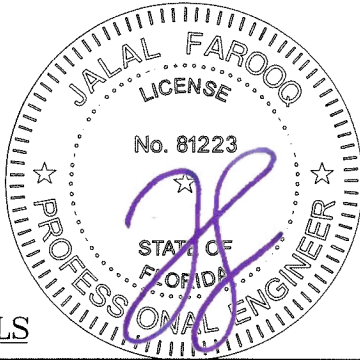
ES-LS7035 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)
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THREE (3) TRACK DOOR DETAILS

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(C.A.N. 3538)
TEL. (305) 262-6978 FAX. (305) 264-8100

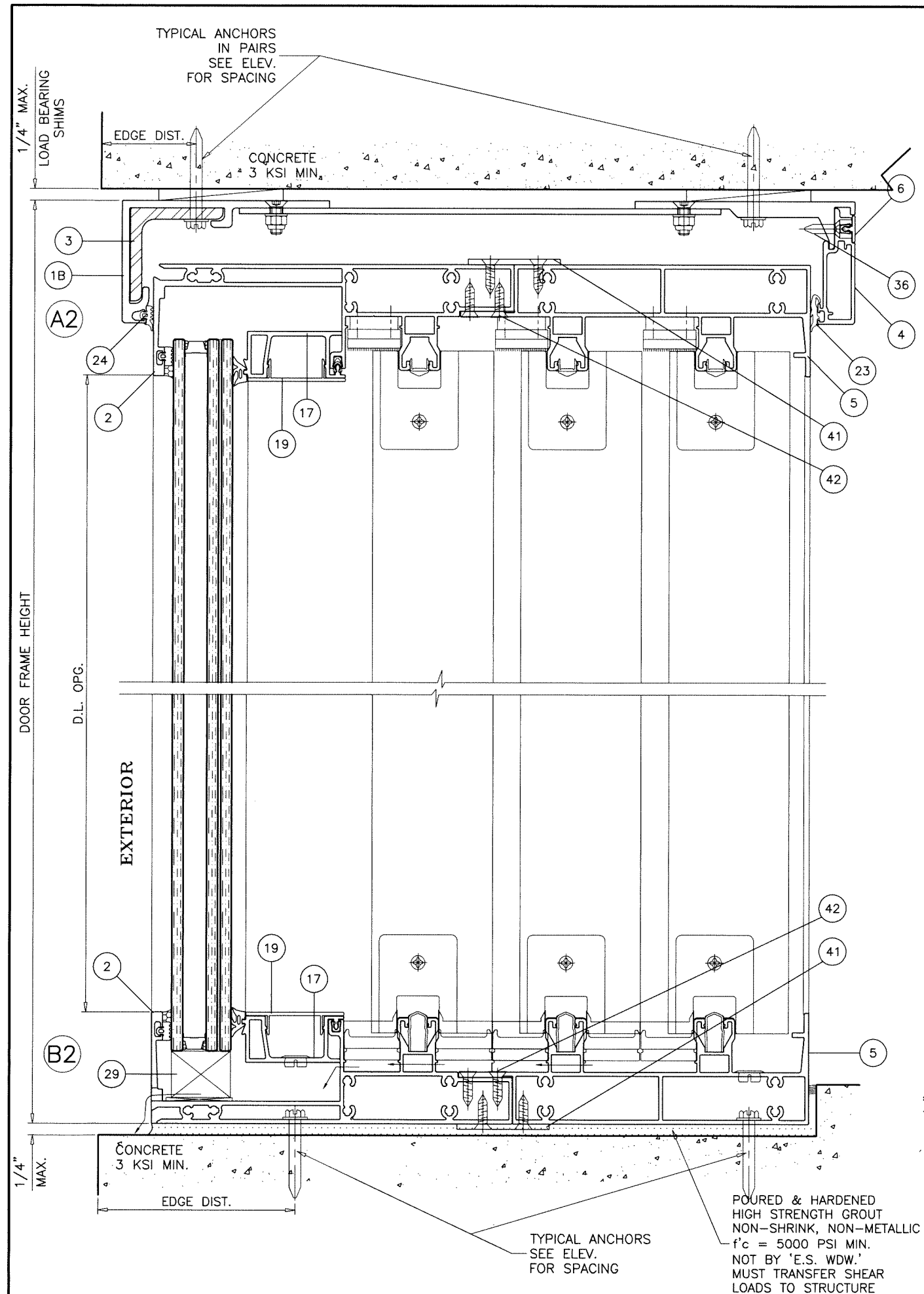
ES-LS7035 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)

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

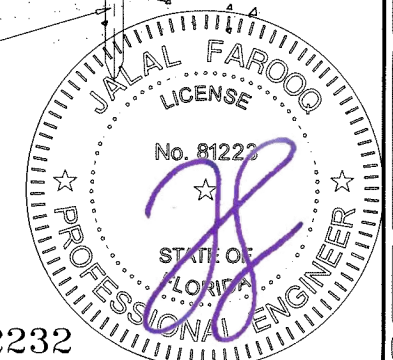
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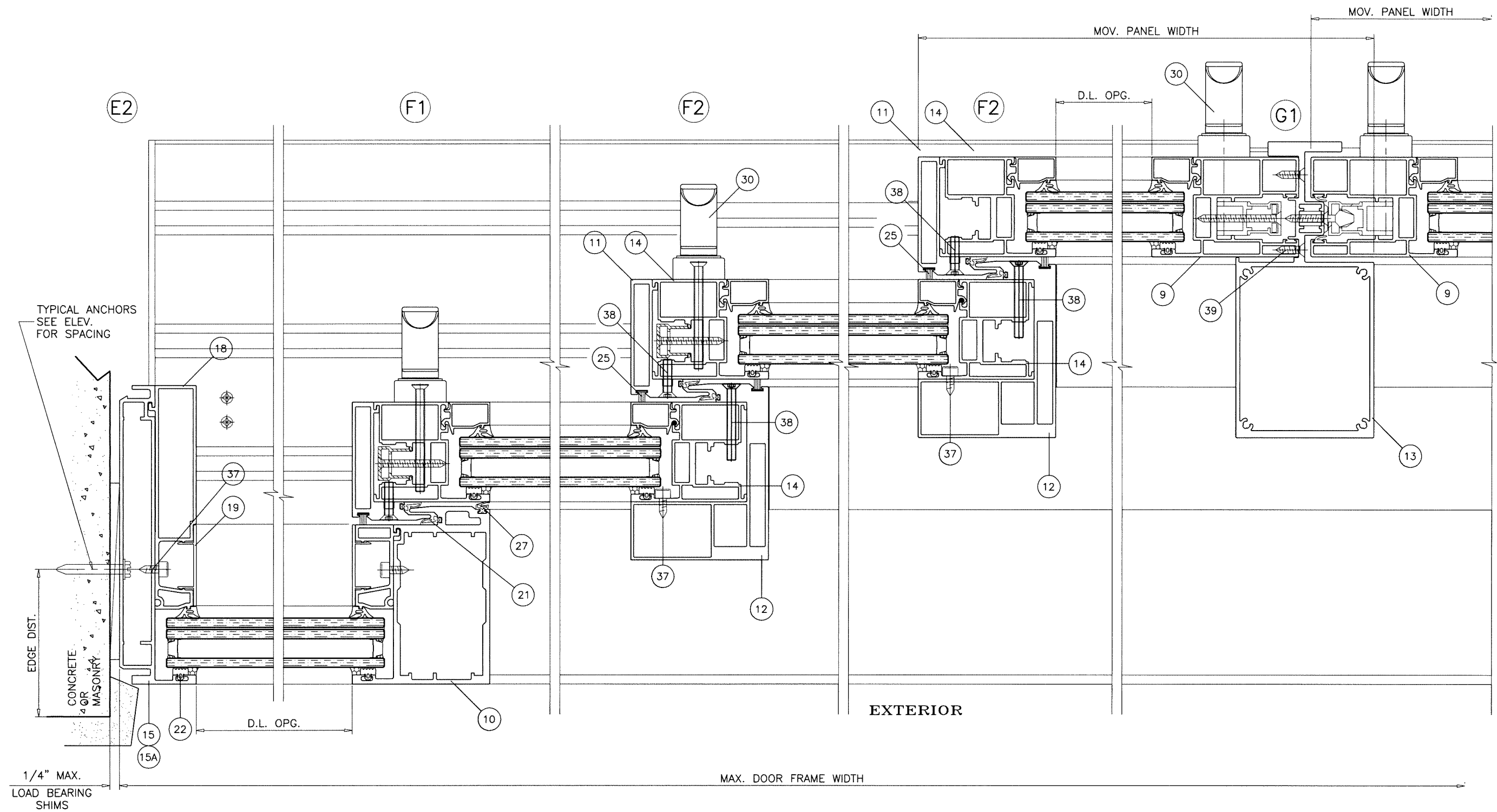
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FOUR (4) TRACK DOOR DETAILS





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FOUR (4) TRACK DOOR DETAILS

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ES-LS7035 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)

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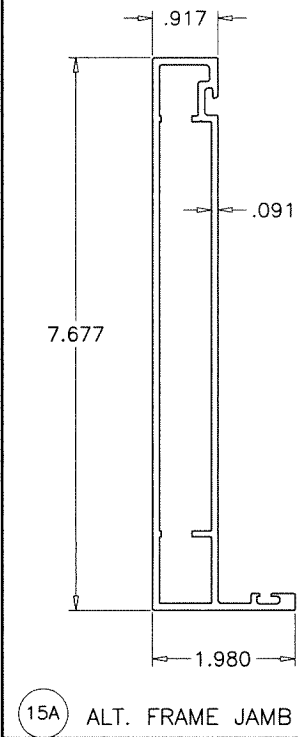
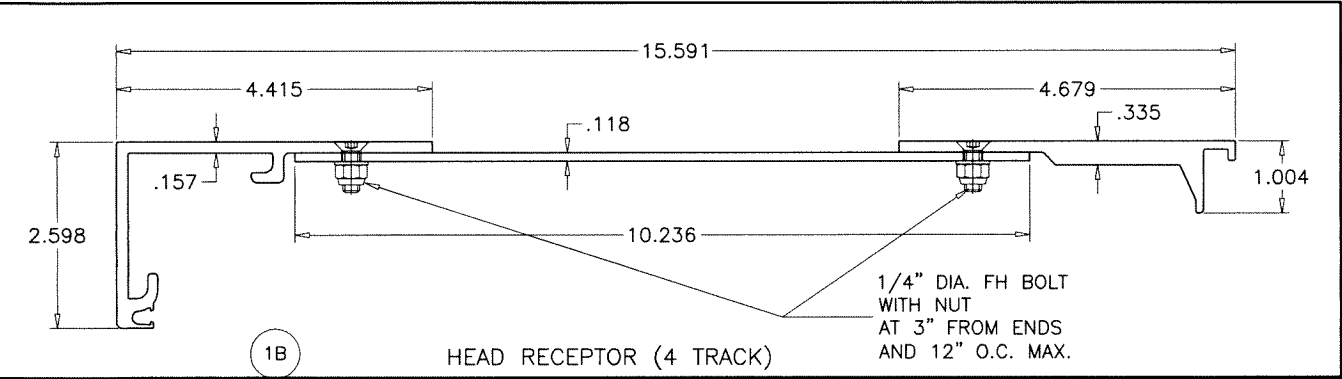
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				chk. by:	

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ITEM NO.	PART NO.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	ES-LS7035-005	HEAD RECEPTOR (2 TRACK)	6063-T6	-
1A	ES-LS7035-059	HEAD RECEPTOR (3 TRACK)	6063-T6	-
1B	-	HEAD RECEPTOR (4 TRACK)	6063-T6	-
2	ES-LS7035-008	FRAME HEAD/SILL (2 TRACK)	6005-T5	-
2A	ES-LS7035-062	FRAME HEAD/SILL (3 TRACK)	6063-T6	-
3	-	ANCHOR CLIP, 26" LONG AT MTG. STILE, 18" LONG AT JAMBS	6063-T6	-
4	ES-LS7035-009	HEAD RECEPTOR INSERT	6063-T6	-
5	-	ADD-ON HEAD/SILL TRACK	6063-T6	-
6	ES-LS7035-019	HEAD RECEPTOR INSERT CLIP	6063-T6	-
7	ES-LS7035-023	THRESHOLD COVER	6063-T6	-
8	ES-LS7035-024	THRESHOLD COVER (3 TRACK)	6063-T6	-
9	ES-LS7035-018	PANEL TOP/BOTTOM RAIL, LOCK STILE	6063-T6	-
10	ES-LS7035-010	FIXED INTERLOCK	6063-T6	-
11	-	INTERLOCK STILE STIFFENER	6063-T6	-
12	ES-LS7035-012	INTERLOCK STILE STIFFENER (3 TRACK)	6063-T6	-
13	ES-LS7035-022	ASTRAGAL STILE	6063-T6	-
14	ES-LS7035-017	INTERLOCK STILE	6063-T6	-
15	ES-LS7035-001	FRAME JAMB	6063-T6	-
15A	ES-LS7035-033	ALT. FRAME JAMB	6063-T6	-
16	ES-LS7035-014	FIX. PANEL VERTICAL GLASS STOP	6063-T6	-
17	ES-LS7035-015	FIX. PANEL HORIZONTAL GLASS STOP	6063-T6	-
18	ES-LS7035-016	FRAME JAMB GLASS STOP	6063-T6	-
19	ES-LS7035-020	GLASS STOP COVER	6063-T6	-
20	ES-LS7035-021	PANEL GLASS STOP	6063-T6	-
21	-	INTERLOCK W'STRIPPING	EPDM	DUROMETER 70±5 SHORE A
22	-	GLAZING GASKET (EXTERIOR)	EPDM	DUROMETER 70±5 SHORE A
23	-	HEAD RECEPTOR GASKET (INTERIOR)	EPDM	DUROMETER 70±5 SHORE A
24	-	HEAD RECEPTOR GASKET (EXTERIOR)	EPDM	DUROMETER 70±5 SHORE A
25	-	PILE W'STRIPPING	WOOL	-
26	-	BOTTOM RAIL LEAF W'STRIPPING	EPDM	DUROMETER 70±5 SHORE A
27	-	LEAF W'STRIPPING AT COVER	EPDM	DUROMETER 70±5 SHORE A
28	-	SETTING BLOCKS AT 1/4 POINTS (1-1/4" X 1-3/16" X 1/4")	EPDM	DUROMETER 80±5 SHORE A
29	-	SETTING BLOCKS AT 1/4 POINTS (1-1/4" X 1-3/16" X 1-1/16")	EPDM	DUROMETER 80±5 SHORE A
30	-	DOOR HANDLE	-	-
31	-	ROLLER ASSEMBLY	-	-
32	-	LIFT AND SLIDE HARDWARE	-	-
33	-	-	-	-
34	-	PANEL ASSEMBLY FASTENERS	-	-
35	-	FRAME ASSEMBLY FASTENERS	-	-
36	-	RECEPTOR INSERT FASTENERS, AT 6" FROM ENDS & 12" O.C.	-	-
37	1/2" X 1"	GLASS STOP FASTENERS, AT 6" FROM ENDS & 12" O.C.	-	-
38	-	INTERLOCK REINF. FASTENERS	-	-
39	-	ASTRAGAL STILE FASTENERS	-	-
40	-	-	-	-
41	-	ADD-ON TRACK ATTACHMENT PLATE	-	-
42	-	ADD-ON TRACK PLATE FASTENERS	-	-



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FL #22232

JALAL FAROOQ
LICENSE
No. 81223
STATE OF FLORIDA
PROFESSIONAL ENGINEER

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 262-6978 FAX. (305) 262-6978
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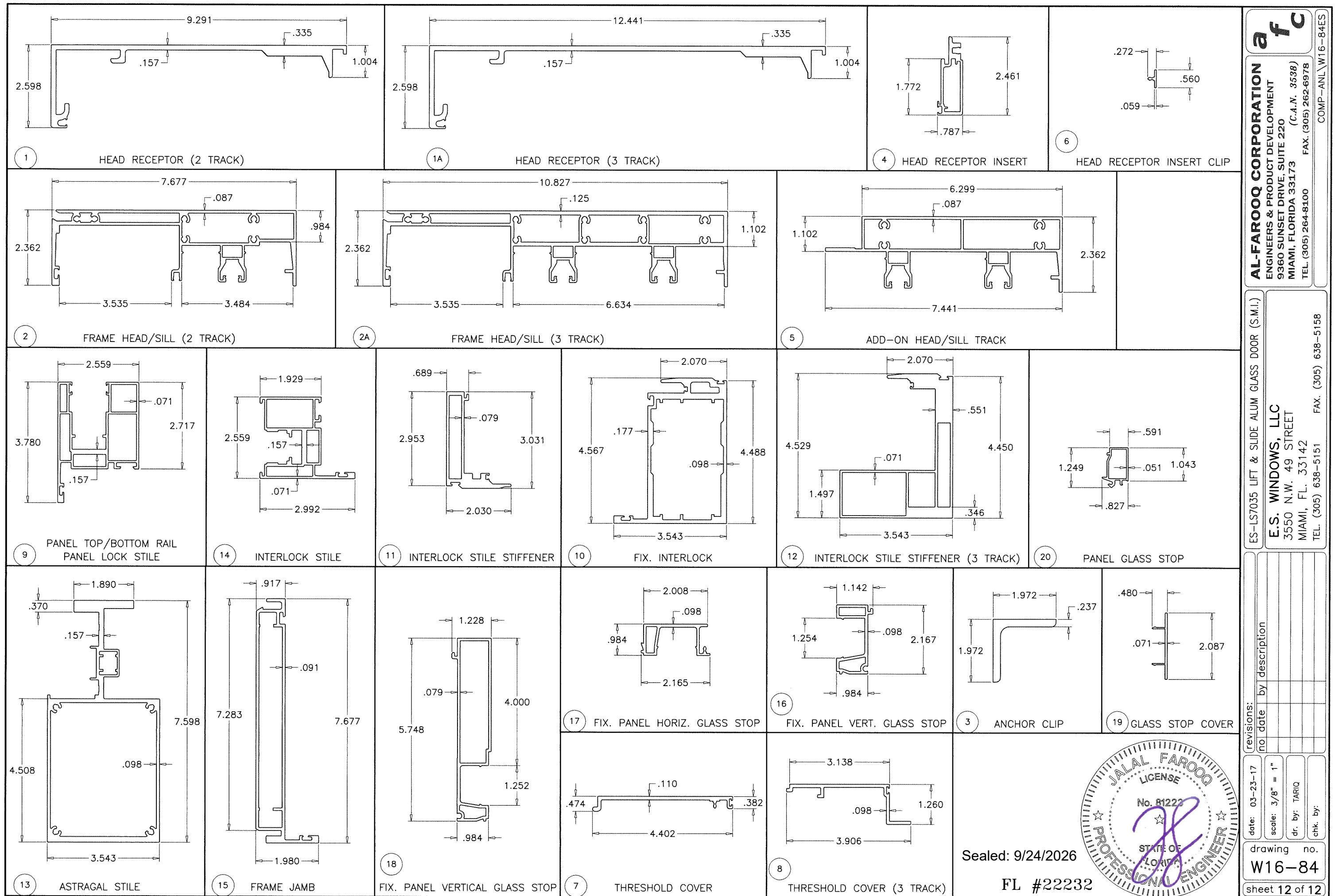
ES-LS7035 LIFT & SLIDE ALUM GLASS DOOR (S.M.I.)

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no	by description

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