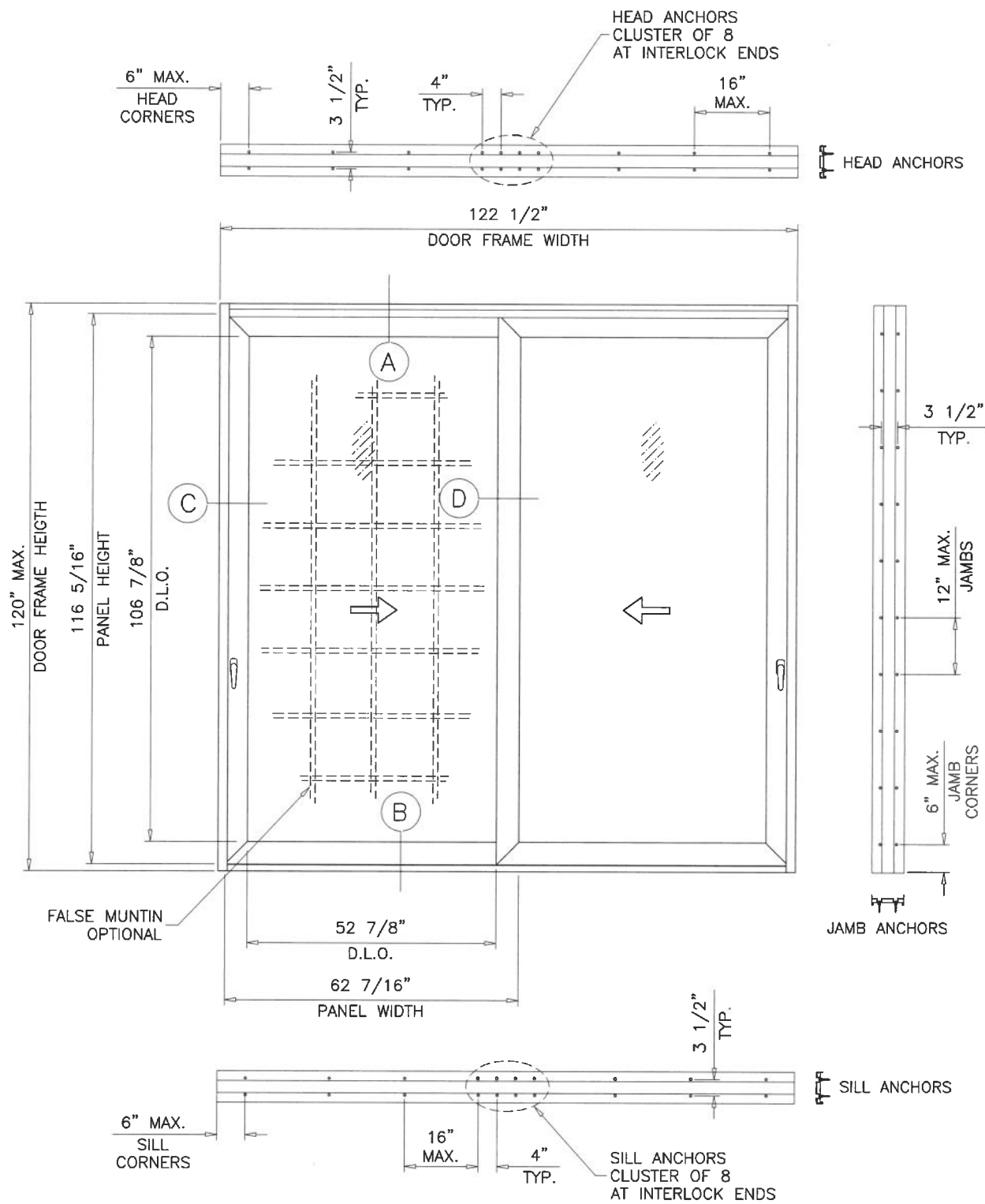




TYPICAL ELEVATION
(2 TRACK)

DAYLITE OPENINGS WIDTHS:
PANEL WIDTH - 9.563"

DAYLITE OPENING HEIGHT:
PANEL HEIGHT - 9.438"

PANEL HEIGHT = DOOR FRAME HEIGHT - 3.688"

THESE DOORS 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 180 (S.M.I.)
ALUMINUM SLIDING GLASS DOOR

DESIGN LOAD RATING FOR DOORS TO BE AS PER CHARTS SHOWN
ON SHEET 3, AND APPROVED CONFIGURATIONS ON SHEETS 4 & 5.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE
REQUIREMENTS OF THE 2023 (8TH EDITION)/2026 (9TH 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 LOAD-BEARING, (HIGH DENSITY PLASTIC/COMPOSITE, METAL
OR OTHER RIGID MATERIALS).

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE
REQUIREMENTS OF THE 2023/2026 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.

FASTENERS AND CONNECTORS (AS APPLICABLE) SHOWN IN THIS APPROVAL MAY NOT MEET
CORROSION RESISTANCE REQUIREMENTS FOR COASTAL OR SALT WATER EXPOSURE ZONES.
COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.

Sealed: 8/7/2026

FL #27516

- 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.



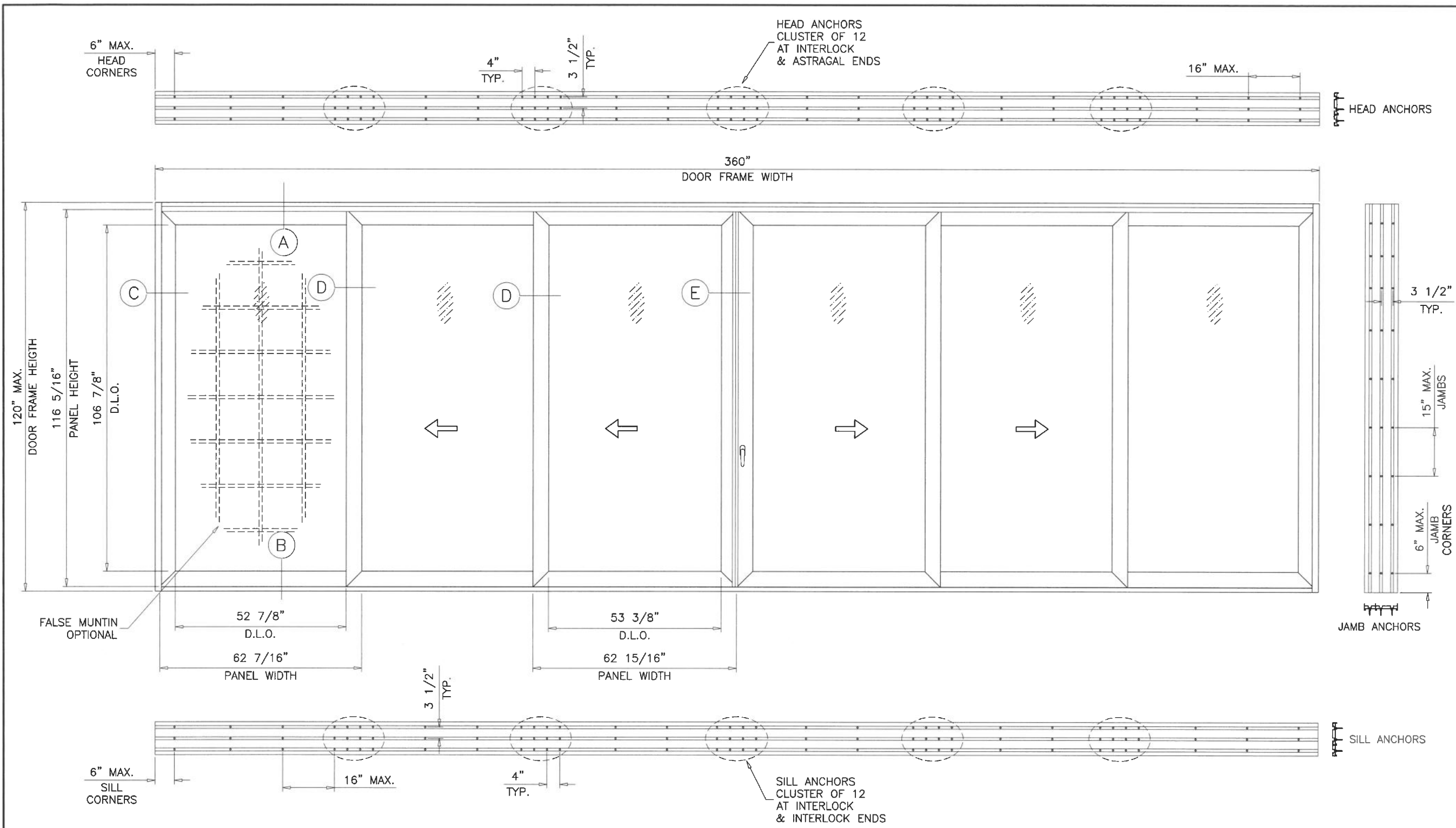
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\18-61F-ALU

SERIES 180 ALUM SLIDING GLASS DOOR (S.M.I.)

Alucorp S.A. De C.V.
Calle 2 Tablaje 17439 Int C x 21y
25 Chichi Suarez, Merida
Yucatan, Mexico
Tel. (-) Fax. (-)

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B	02.03.22	B	02.03.22	4. TRACK OPTION ADDED	
C	07.01.23	C	07.01.23	UPDATED TO 2023 FBC	
D	07.02.26	D	07.02.26	UPDATED TO 2026 FBC	

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drawing no.	18-61F	sheet	1 of 13				



TYPICAL ELEVATION
TESTED UNIT (3 TRACK)

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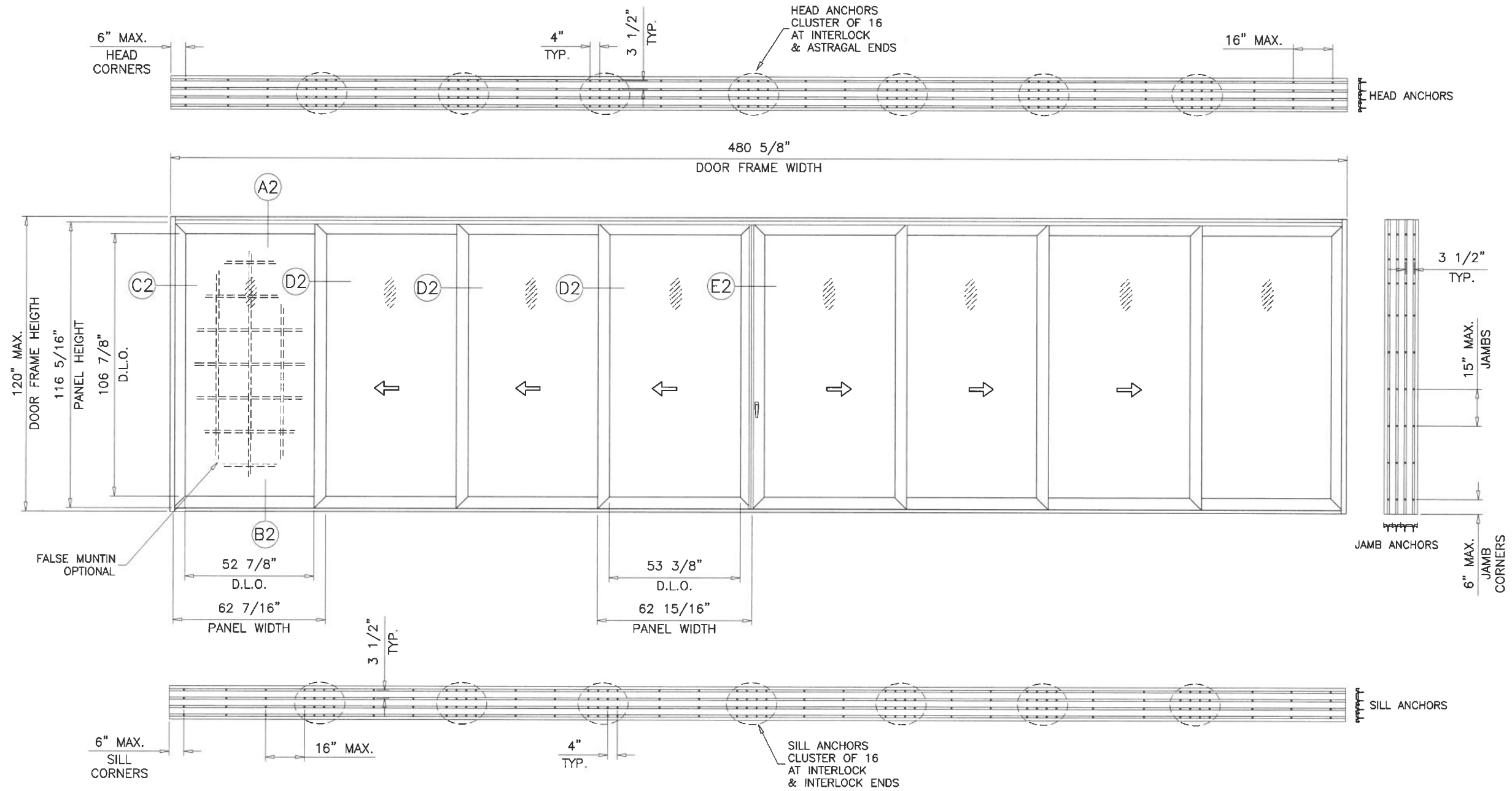
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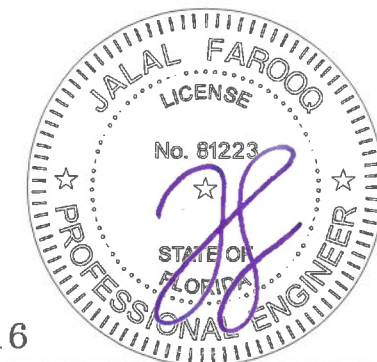
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18-61F

sheet 2 of 13



TYPICAL ELEVATION
(4 TRACK)

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SERIES 180 ALUM SLIDING GLASS DOOR (S.M.I.)

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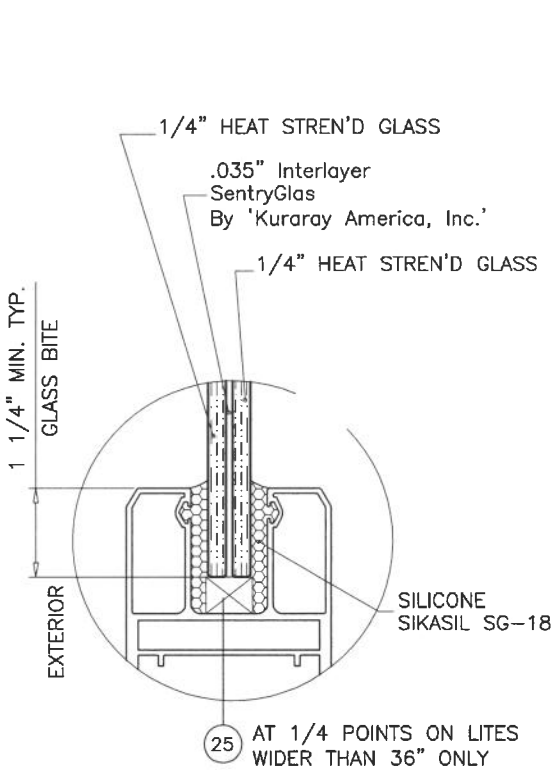
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sheet 2.1 of 13

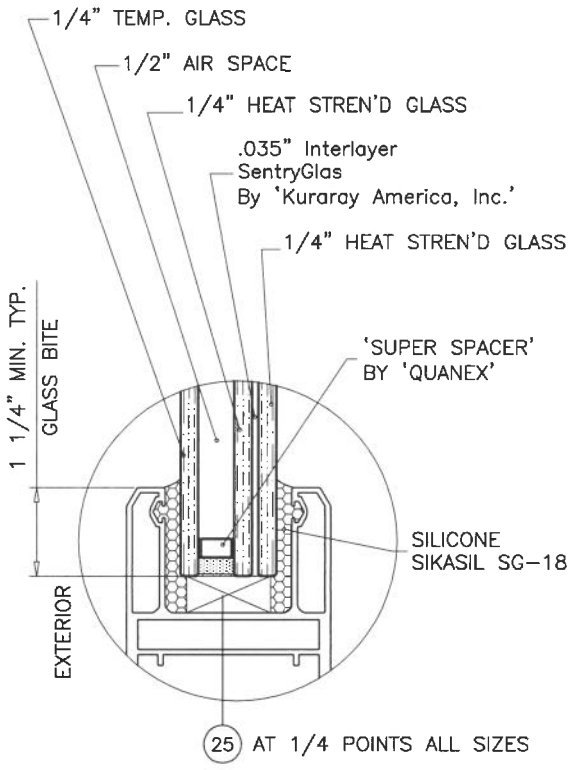
DOOR DESIGN LOAD CAPACITY - PSF			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	GLASS TYPES 'A' & 'A1'	
		EXT.(+)	INT.(-)
36	84	140.0	140.0
42		140.0	140.0
48		123.0	123.0
54		123.0	123.0
60		123.0	123.0
66		111.8	111.8
72		102.5	102.5
36	90	140.0	140.0
42		140.0	140.0
48		123.0	123.0
54		123.0	123.0
60		123.0	123.0
66		111.8	111.8
72		102.5	102.5
36	96	140.0	140.0
42		140.0	140.0
48		123.0	123.0
54		123.0	123.0
60		123.0	123.0
66		111.8	111.8
72		102.5	102.5
36	102	140.0	140.0
42		140.0	140.0
48		123.0	123.0
54		123.0	123.0
60		123.0	123.0
66		111.8	111.8
36	108	140.0	140.0
42		139.6	139.6
48		123.0	123.0
54		123.0	123.0
60		123.0	123.0
66		111.8	111.8
36	114	140.0	140.0
42		137.9	137.9
48		123.0	123.0
54		123.0	123.0
60		123.0	123.0
36	120	140.0	140.0
42		136.3	136.3
48		123.0	123.0
54		123.0	123.0
60		123.0	123.0

AVERAGE PANEL WIDTH = DOOR FRAME WIDTH / NUMBER OF PANELS



GLASS TYPE 'A'

9/16" OVERALL LAMINATED GLASS

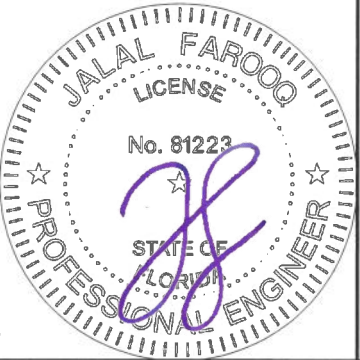


GLASS TYPE 'AI'

1-5/16" OVERALL INSUL. LAM. GLASS

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

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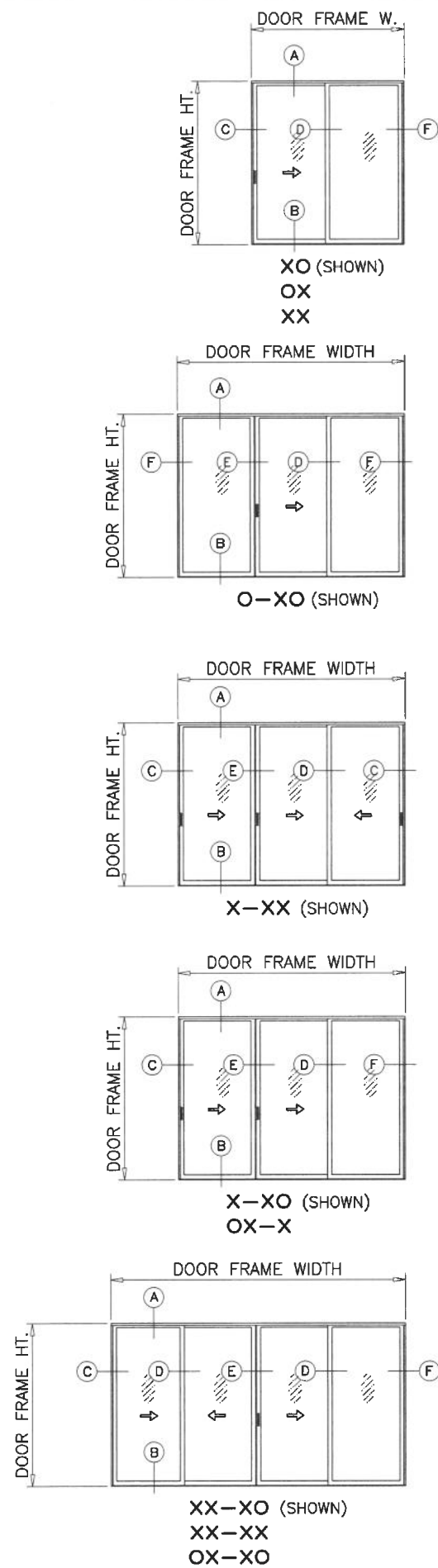
SERIES 180 ALUM SLIDING GLASS DOOR (S.M.I.)

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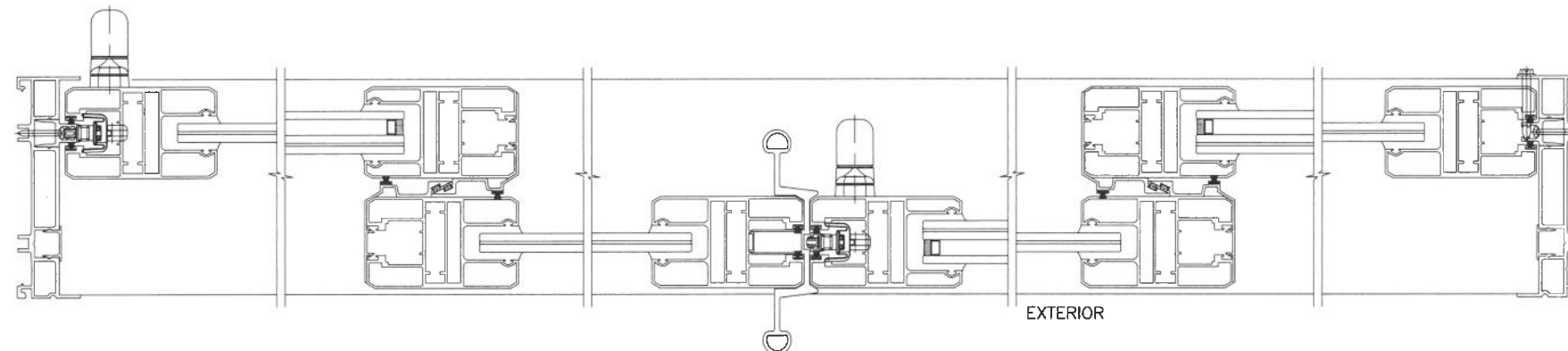
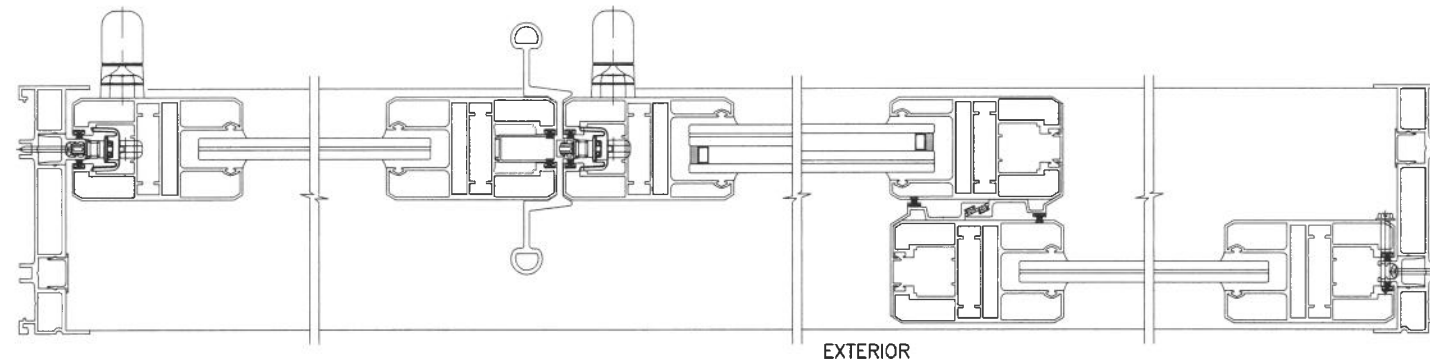
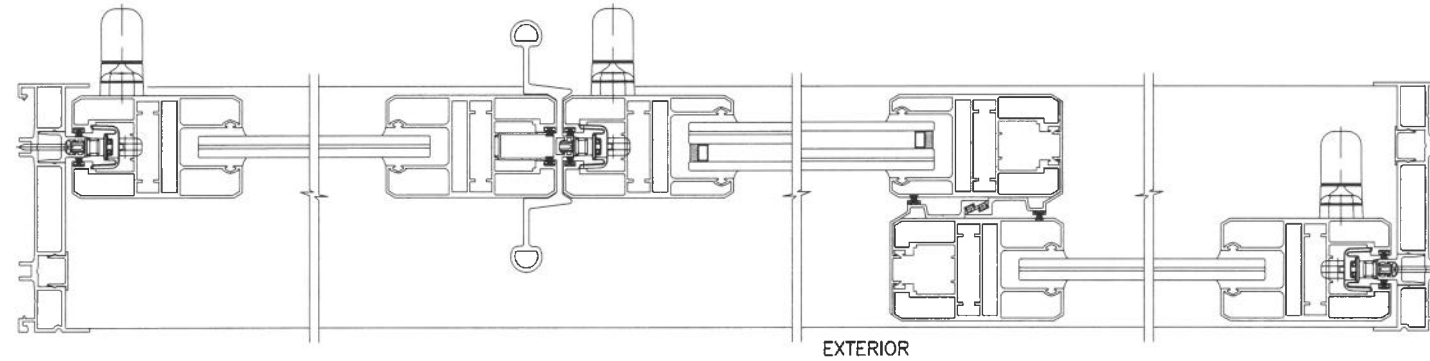
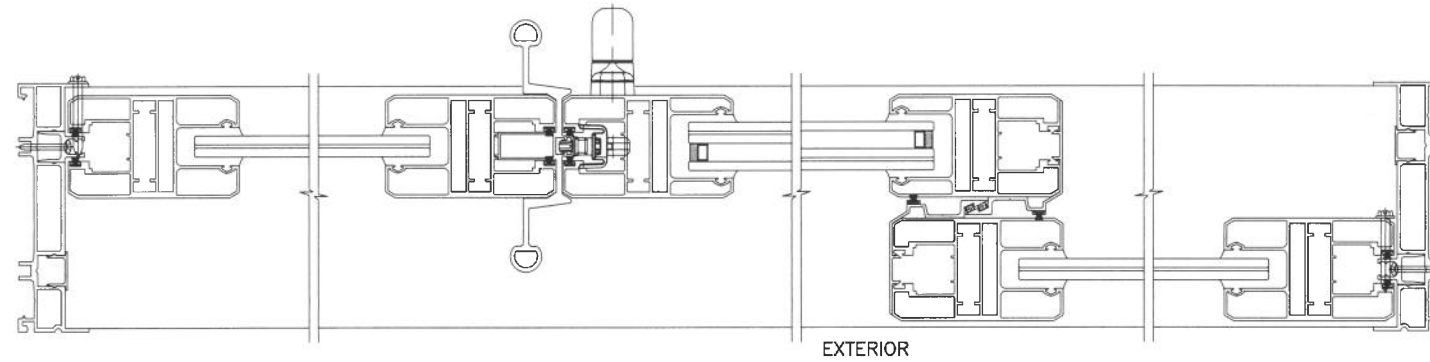
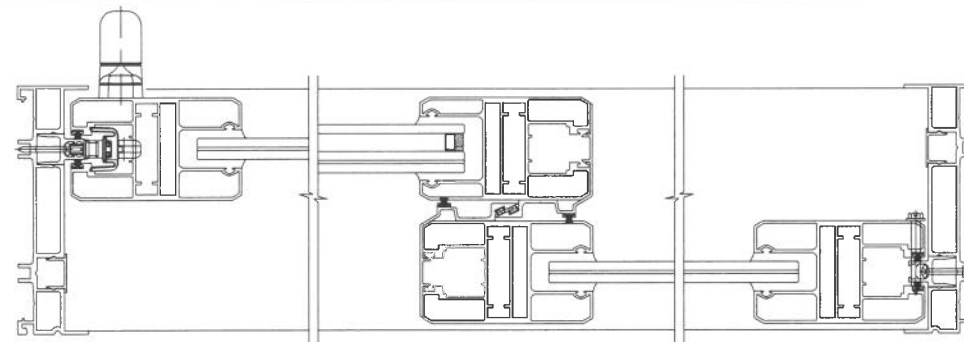
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chk. by:

drawing no.
18-61F
sheet 3 of 13



APPROVED CONFIGURATIONS
TWO (2) TRACKS



NOTE:
CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSE
SEE APPLICABLE DESIGN PRESSURE & SIZE IN SHEET 3
AND ANCHOR INSTALLATION IN SHEETS 6 & 7.

MAX. FRAME AREA OF TWO (2) TRACK S.G.D. SHALL NOT
EXCEED 200 SQ. FT.
DOOR PANEL AREA SHALL NOT EXCEED 50.8 SQ. FT.
PER FBC REQUIREMENTS.

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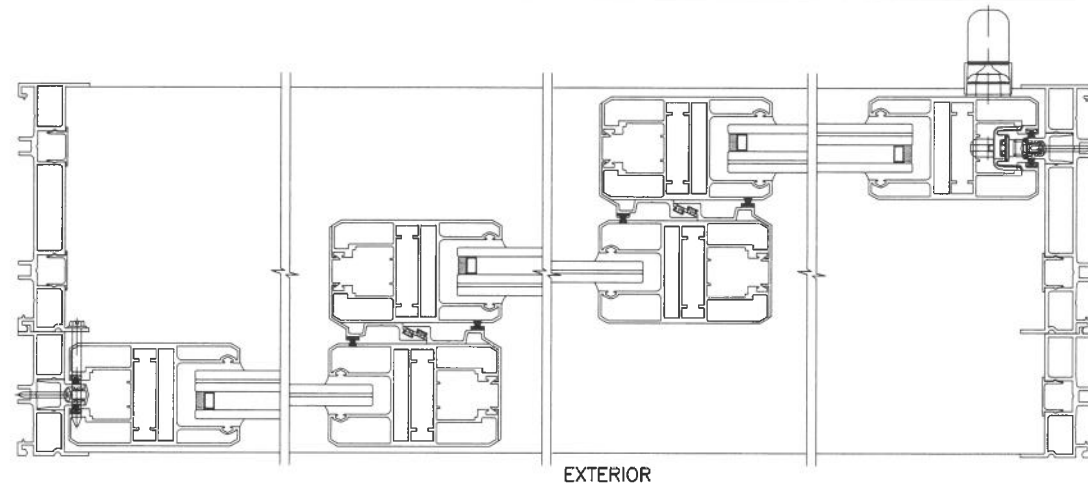
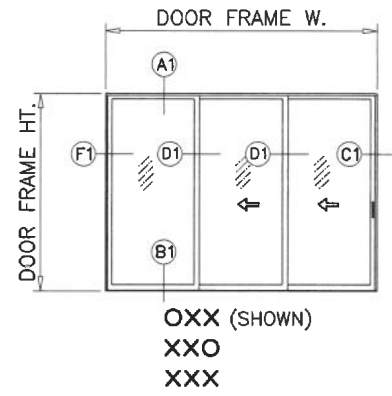
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COMP-ANL 18-61F-ALU

SERIES 180 ALUM SLIDING GLASS DOOR (S.M.I.)

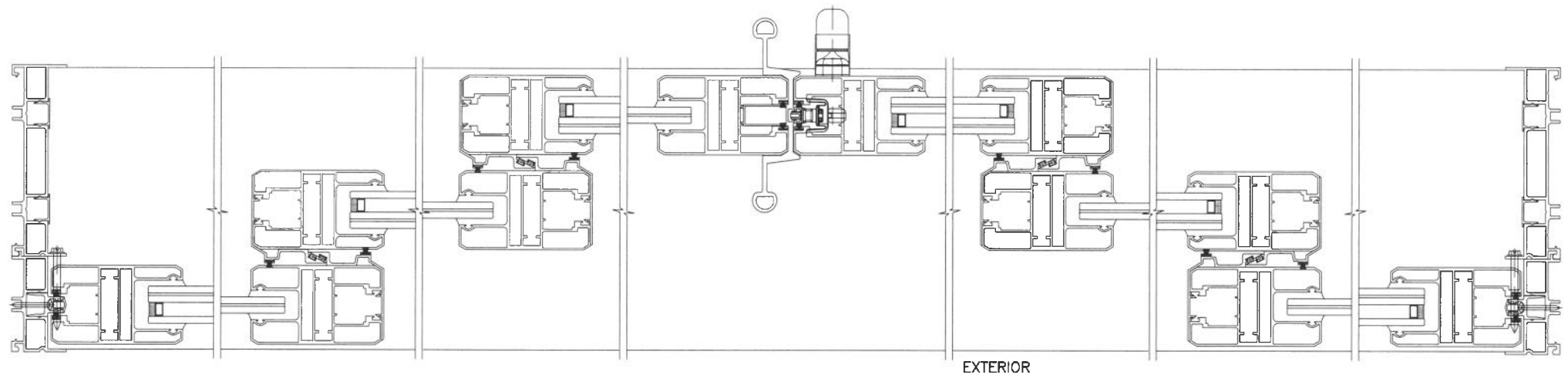
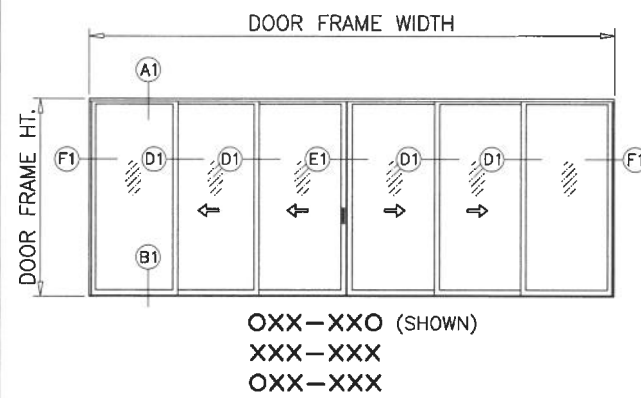
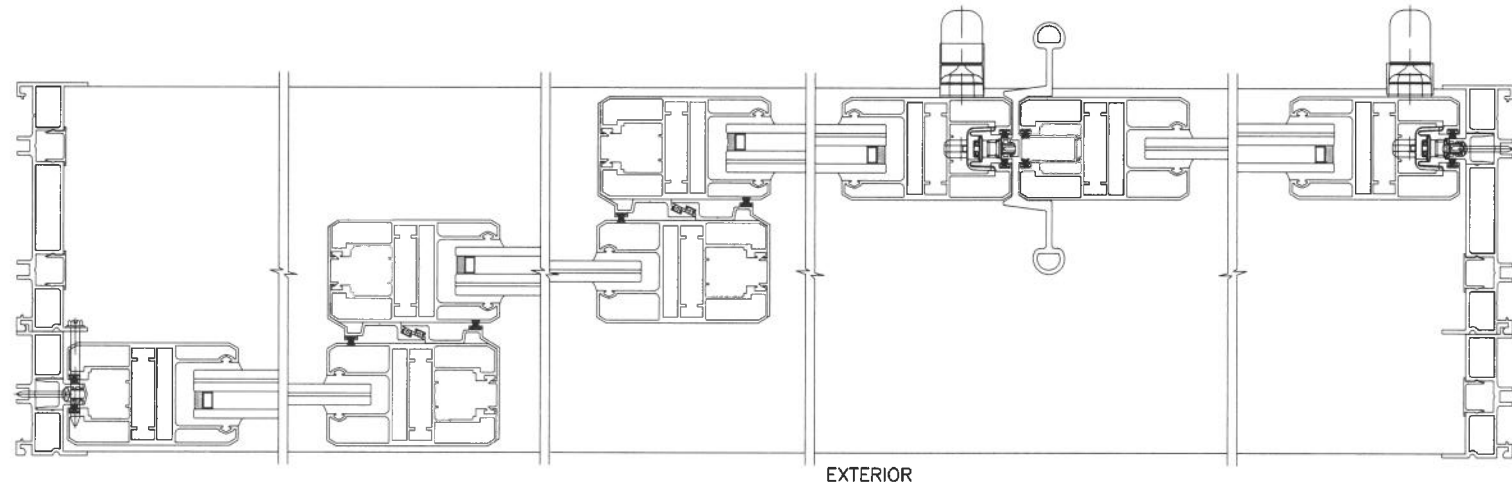
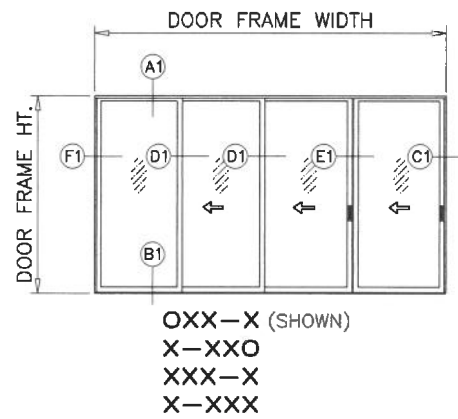
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drawing no.	18-61F	sheet	4 of 13



NOTE:
CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSE
SEE APPLICABLE DESIGN PRESSURE & SIZE IN SHEET 3
AND ANCHOR INSTALLATION IN SHEETS 8 THRU 10.

MAX. FRAME AREA OF THREE (3) TRACK S.G.D. SHALL NOT
EXCEED 300 SQ. FT.
DOOR PANEL AREA SHALL NOT EXCEED 50.8 SQ. FT.
PER FBC REQUIREMENTS.



APPROVED CONFIGURATIONS
THREE (3) TRACKS

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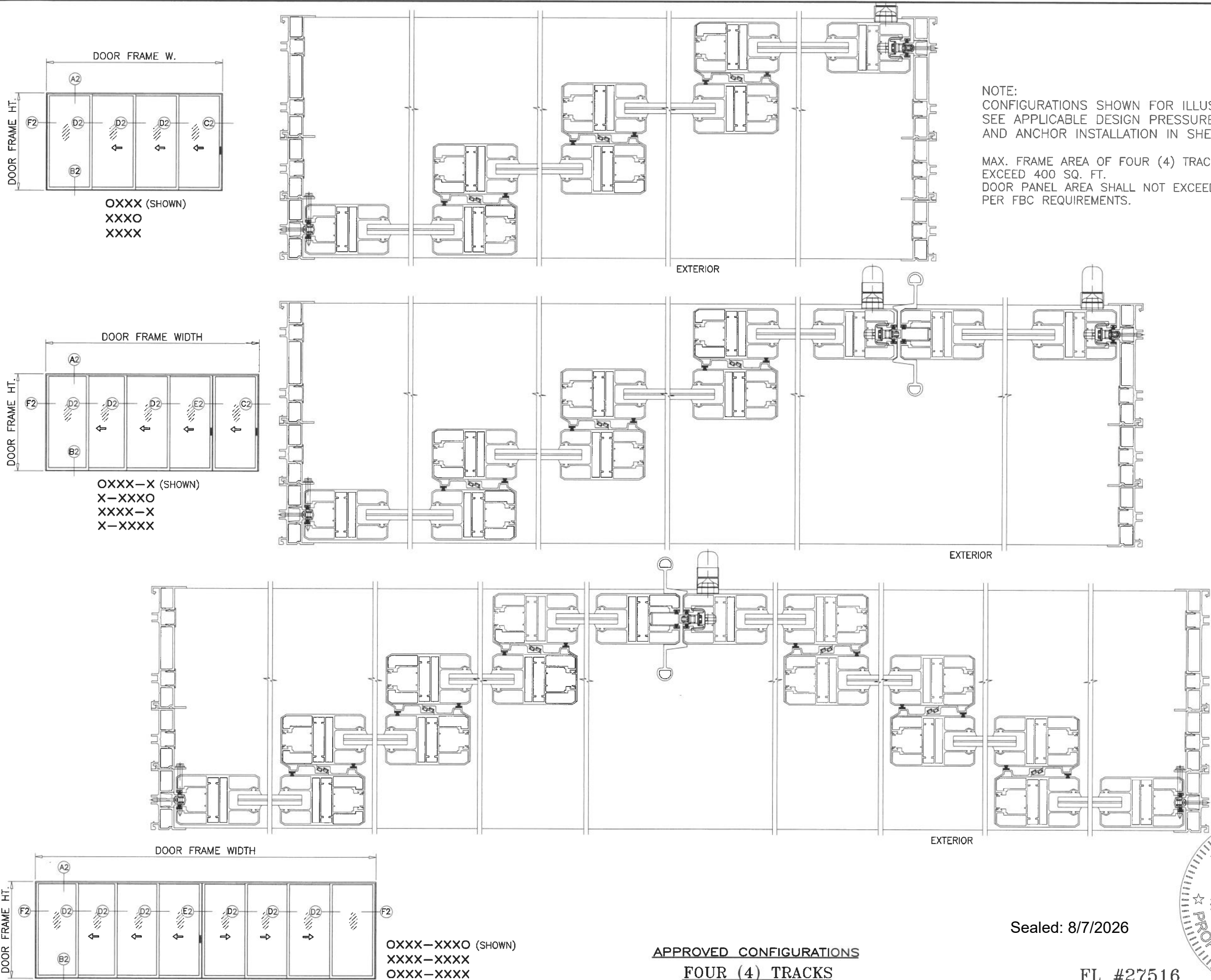
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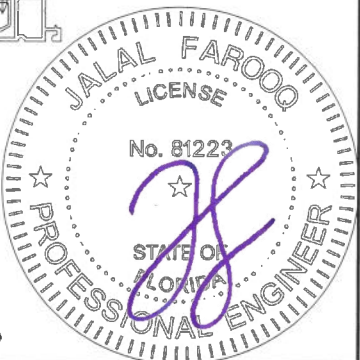


NOTE:
CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSE
SEE APPLICABLE DESIGN PRESSURE & SIZE IN SHEET 3
AND ANCHOR INSTALLATION IN SHEETS 10.1 THRU 10.3.

MAX. FRAME AREA OF FOUR (4) TRACK S.G.D. SHALL NOT
EXCEED 400 SQ. FT.
DOOR PANEL AREA SHALL NOT EXCEED 50.8 SQ. FT.
PER FBC REQUIREMENTS.

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APPROVED CONFIGURATIONS
FOUR (4) TRACKS

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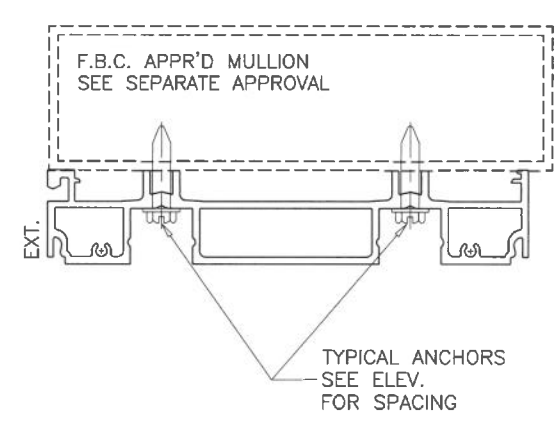
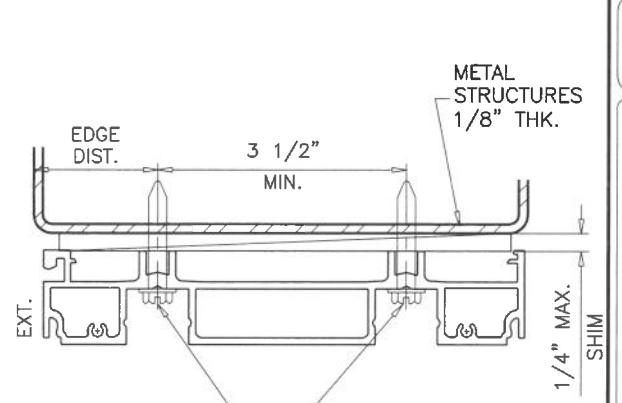
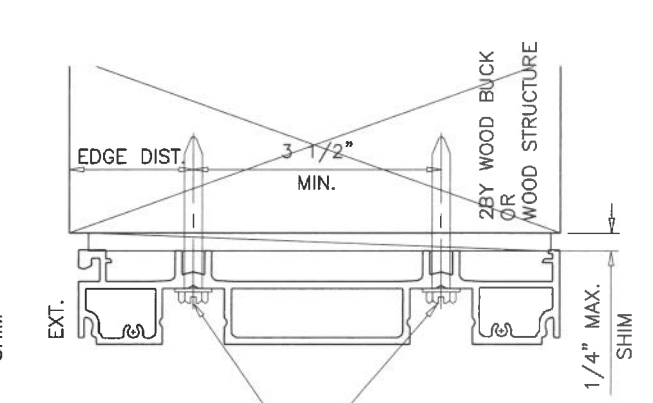
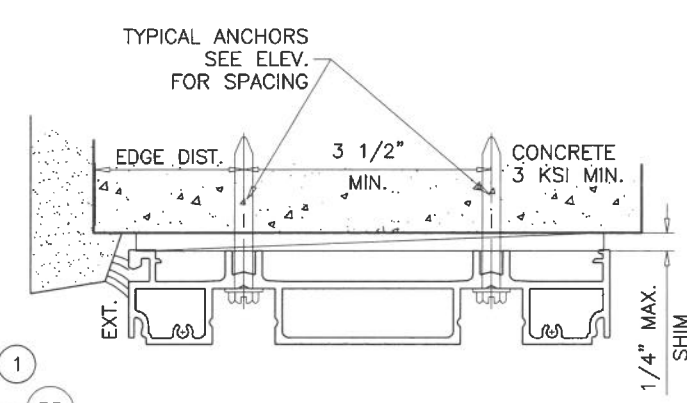
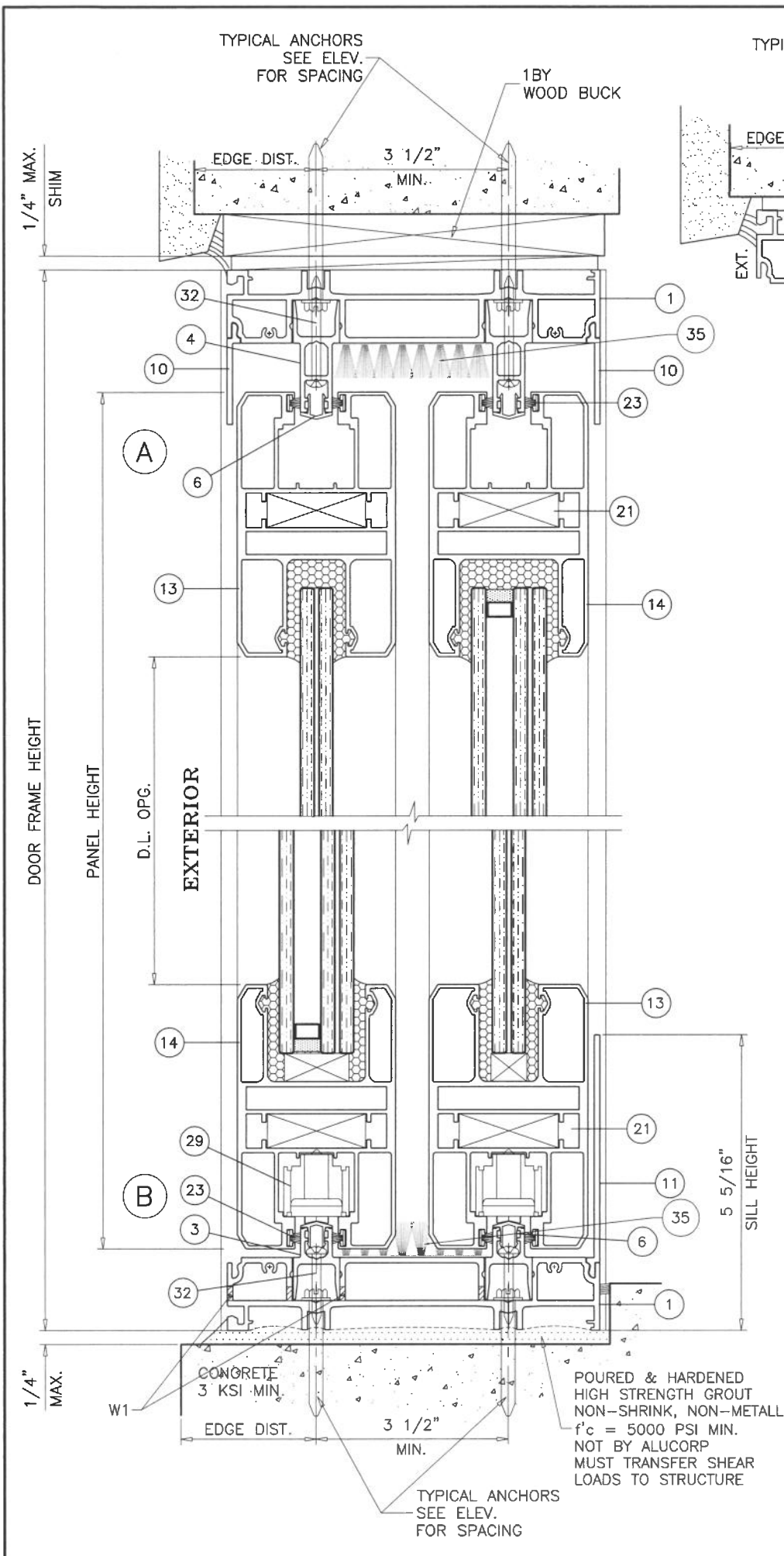
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sheet 5.1 of 13



1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'ALUCORP' 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' (Fu=164 KSI, Fy=148 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)
 THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
 DIRECTLY INTO CONCRETE OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
#14 SMS OR SELF-DRILLING SCREWS (GRADE 2 CRS)
 INTO F.B.C. APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES (HEAD/JAMBS)
 (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

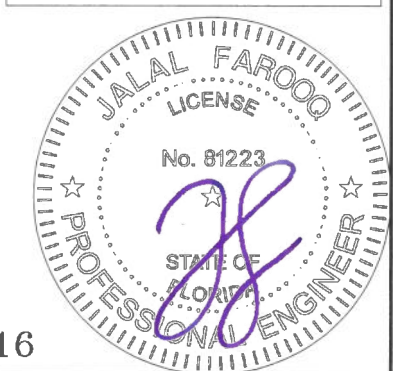
CRITICAL EDGE DISTANCE
 INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD 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.

WEEPHOLES:
 W1 = 1/4" X 1-3/4" LONG WEEP HOLES AT
 8" FROM EACH END AND 58" O.C. MAX.

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2 TRACK FRAMES



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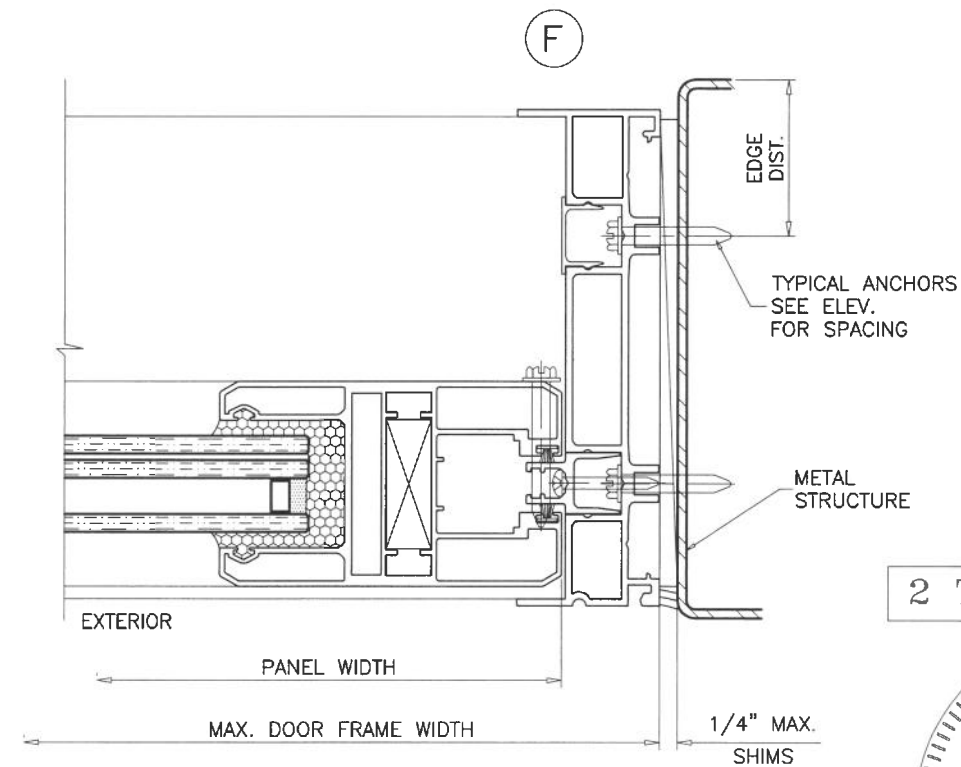
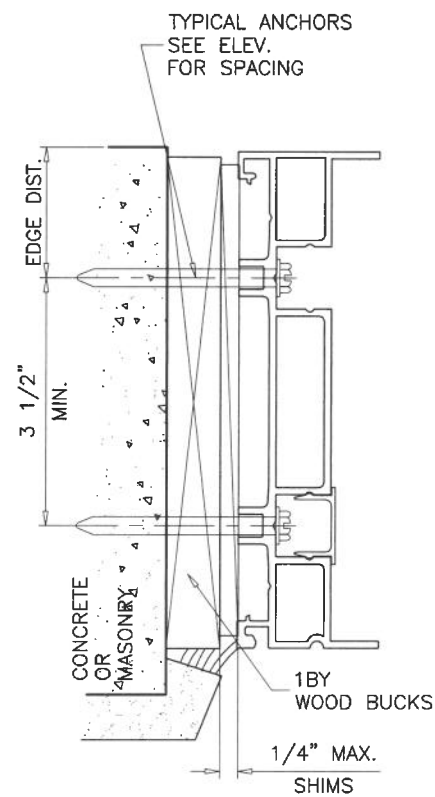
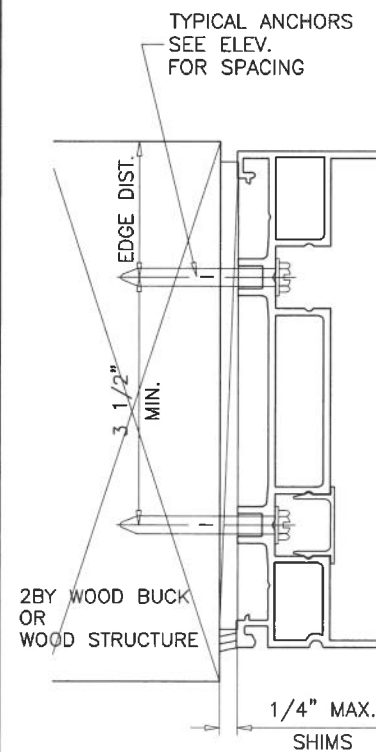
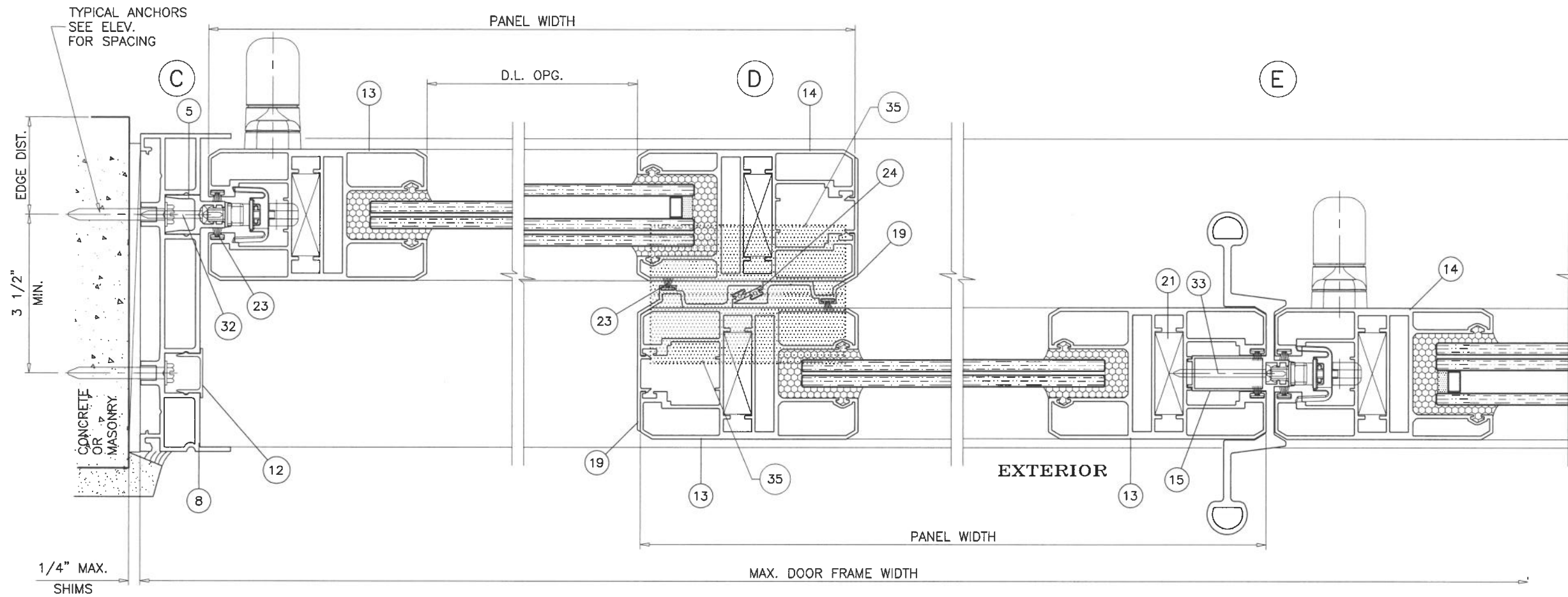
SERIES 180 ALUM SLIDING GLASS DOOR (S.M.I.)

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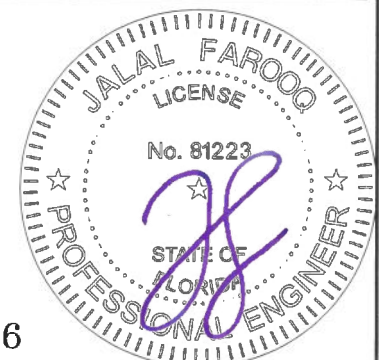
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drawing no.
18-61F

sheet **6** of **13**



2 TRACK FRAMES



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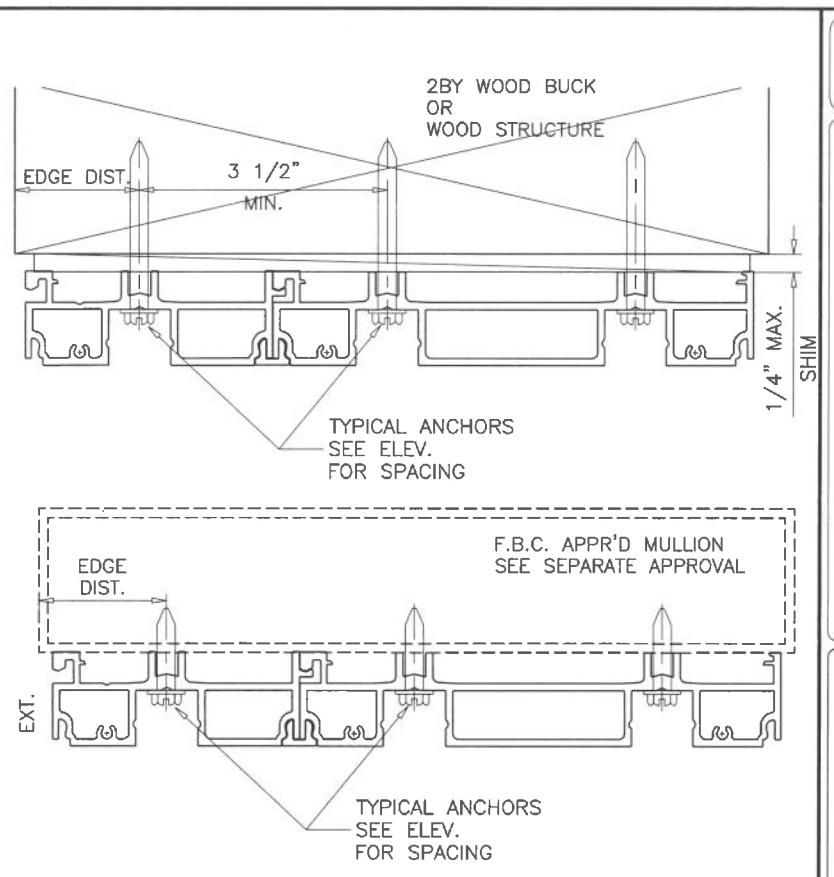
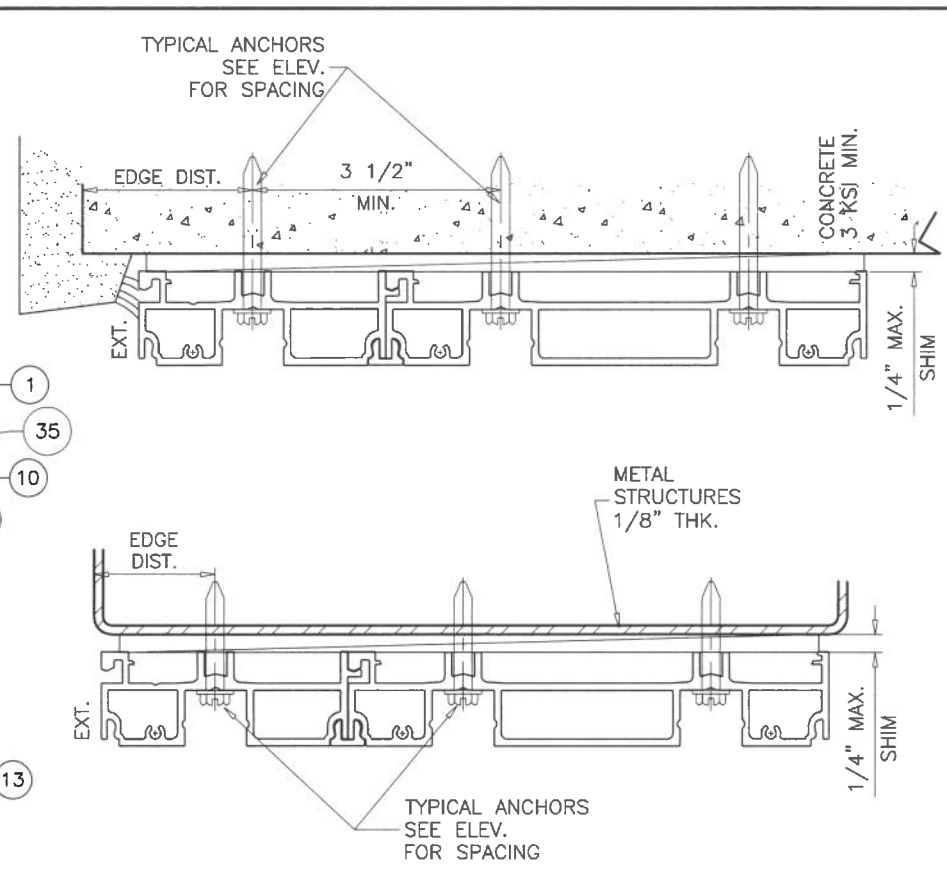
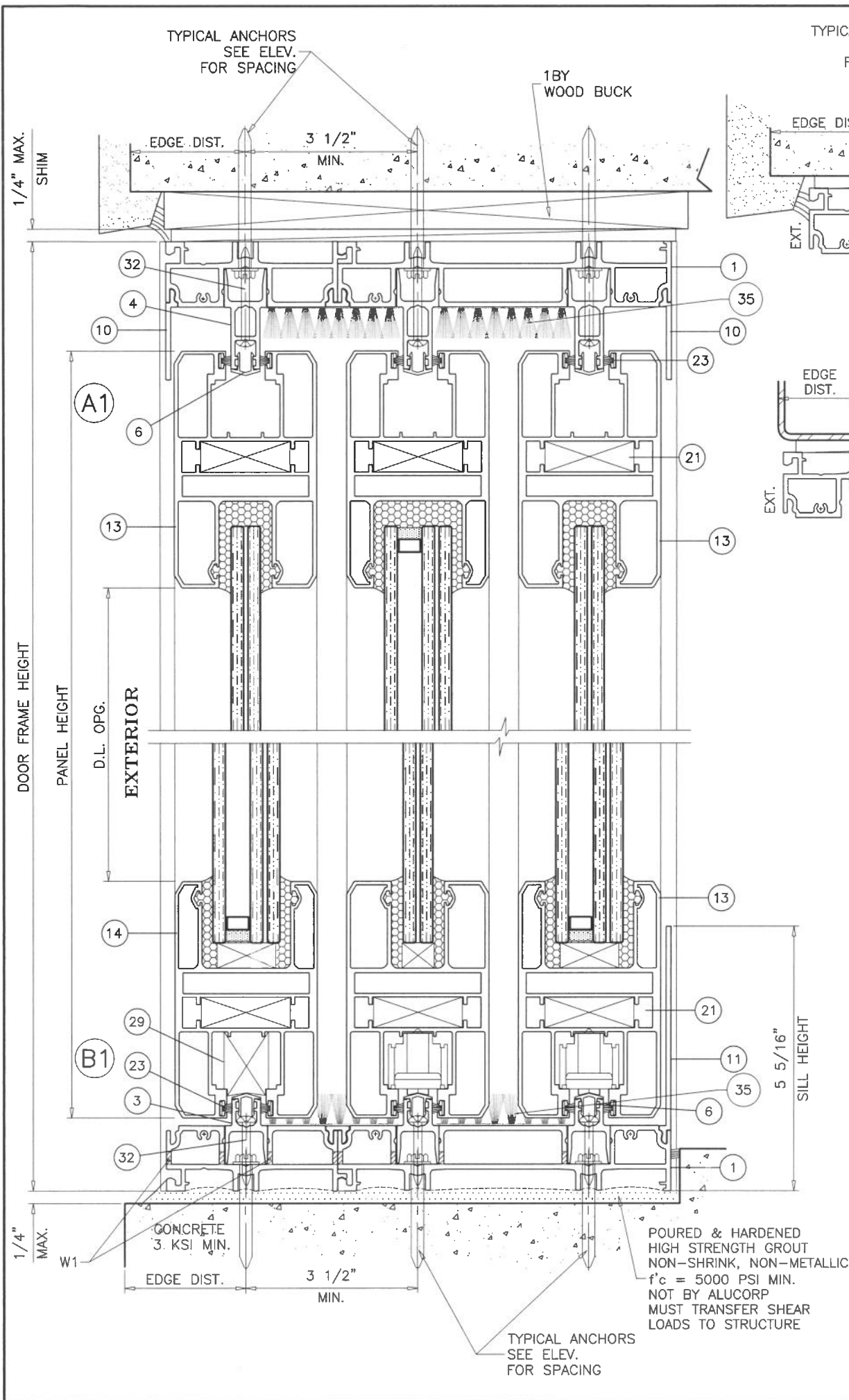
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dr. by:	TARIQ	chk. by:	
drawing no.	18-61F	sheet	7 of 13



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)
 THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
 DIRECTLY INTO CONCRETE OR BLOCKS
 1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

#14 SMS OR SELF-DRILLING SCREWS (GRADE 2 CRS)
 INTO F.B.C. APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES (HEAD/JAMBS)
 (3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

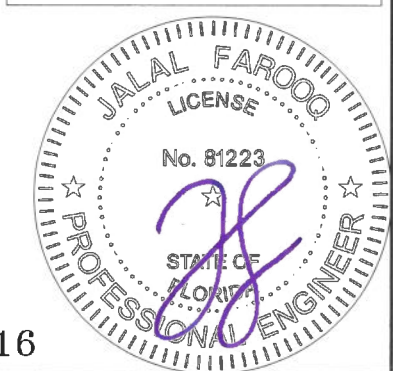
CRITICAL EDGE DISTANCE
 INTO CONCRETE AND BLOCKS = 1-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD 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.

WEEPHOLES:
 W1 = 1/4" X 1-3/4" LONG WEEP HOLES AT
 8" FROM EACH END AND 58" O.C. MAX.

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3 TRACK FRAMES



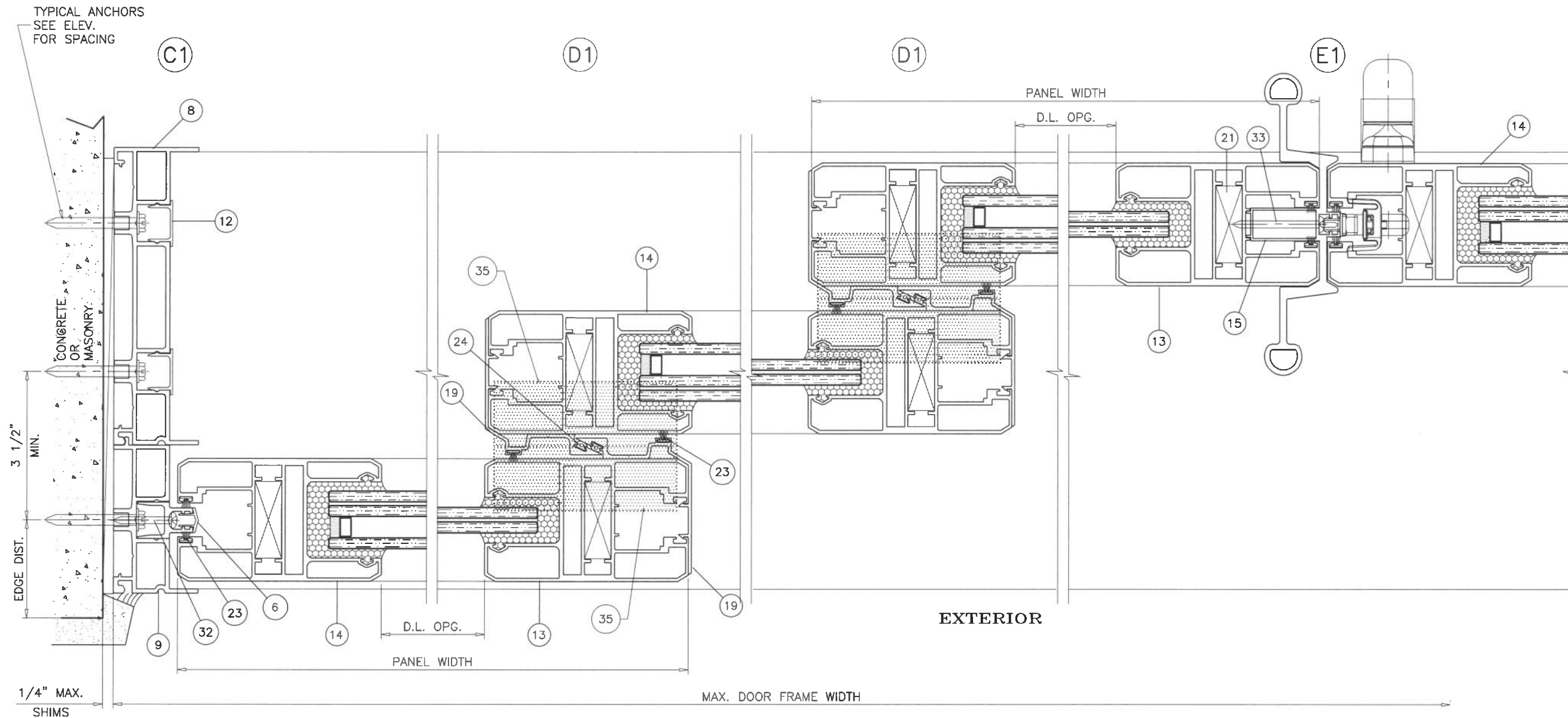
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL 18-61F-ALU

Alucorp S.A. De C.V.
 Calle 2 Tablaje 17439 Int C X 21y
 25 Chichi Suarez, Merida
 Yucatan, Mexico
 Tel. (-) Fax. (-)

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dr. by:	TARIQ	chk. by:	

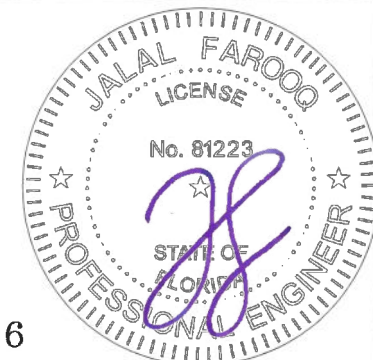
drawing no. **18-61F**
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FL #27516



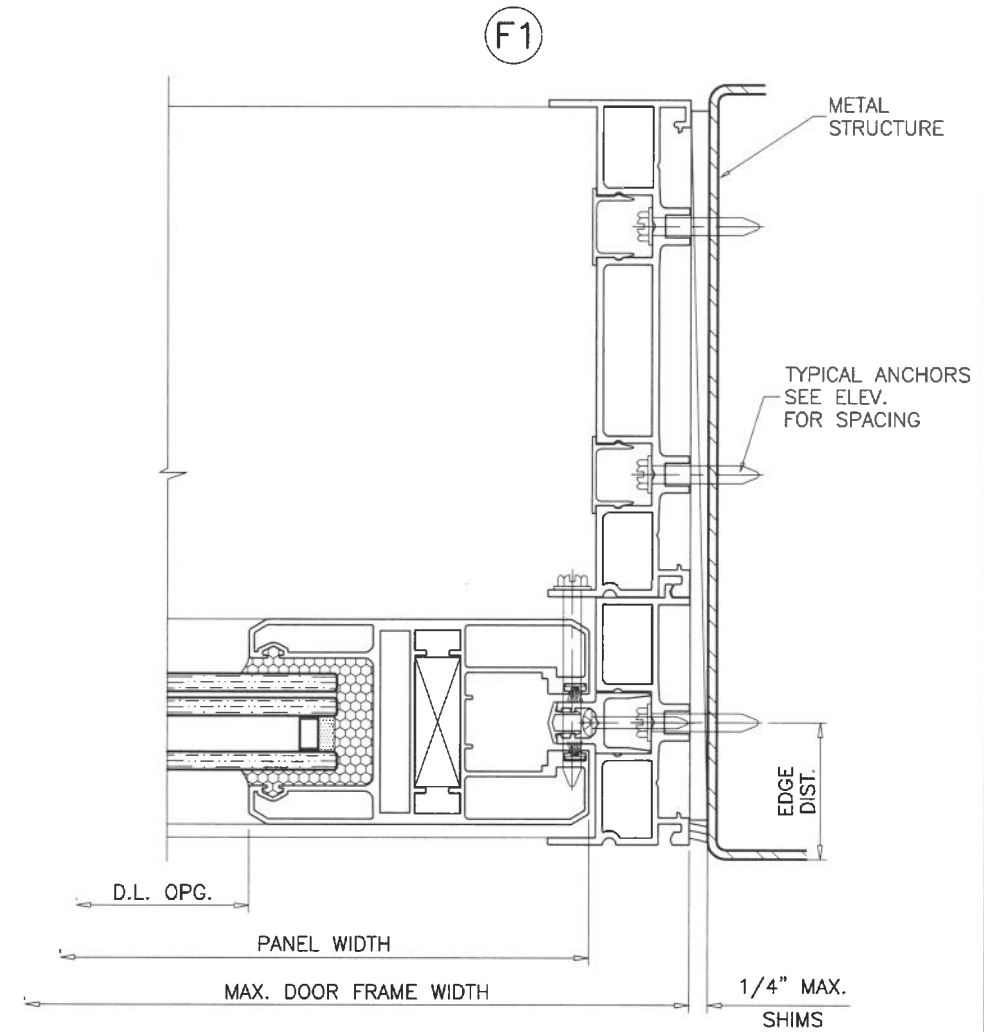
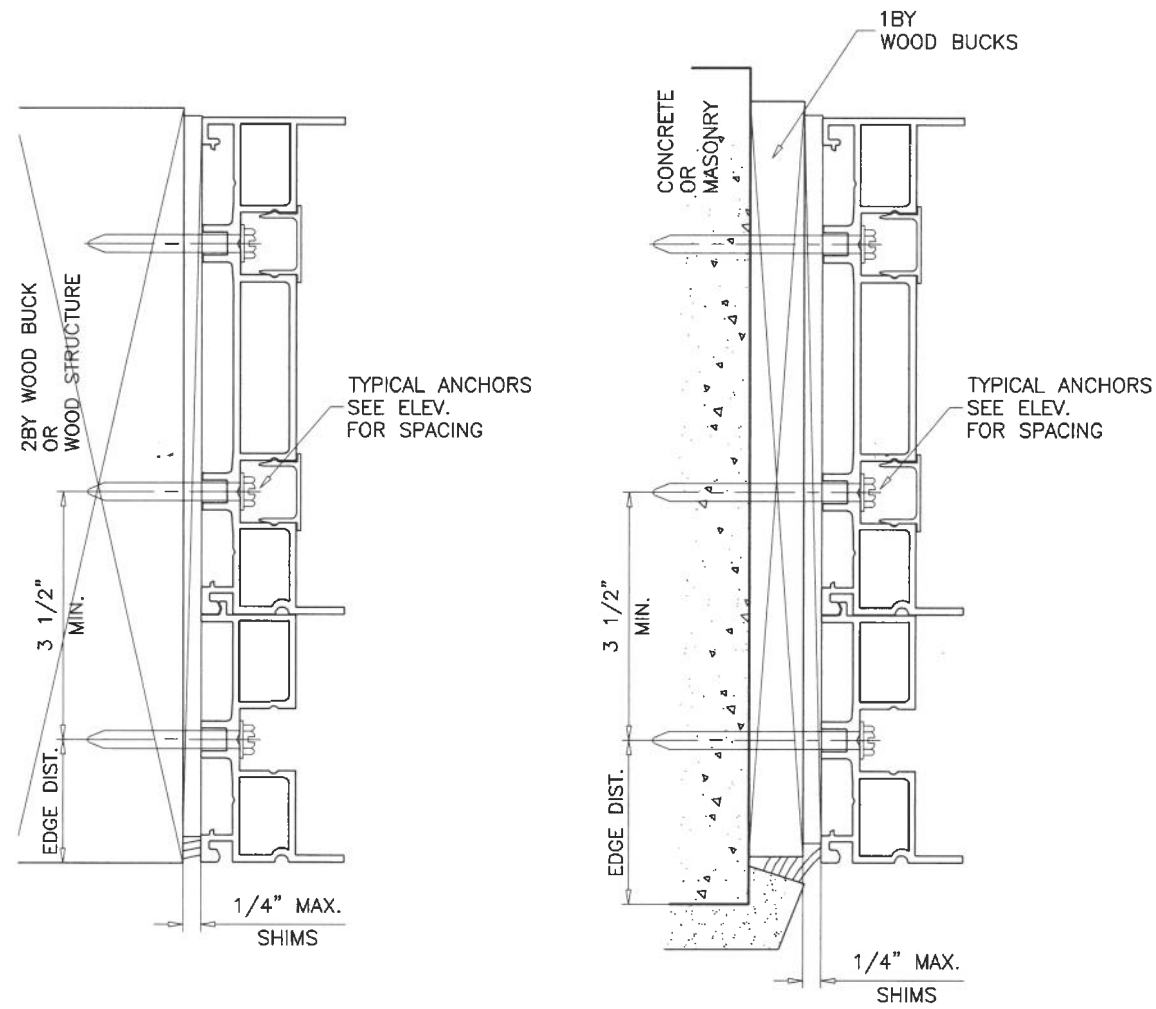
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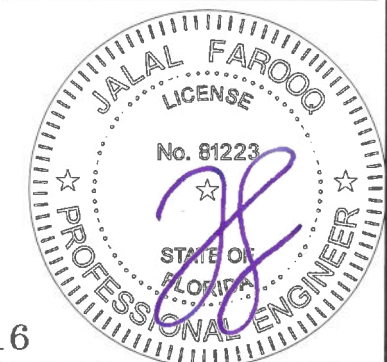
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SERIES 180 ALUM SLIDING GLASS DOOR (S.M.I.) Alucorp S.A. De C.V. Calle 2 Tablaje 17439 Int C X 21y 25 Chichi Suarez, Merida Yucatan, Mexico Tel. (-) Fax. (-)	
revisions: no date by description	date: 05-01-18 scale: 3/8" = 1" dr. by: TARIQ chk. by:
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3 TRACK FRAMES



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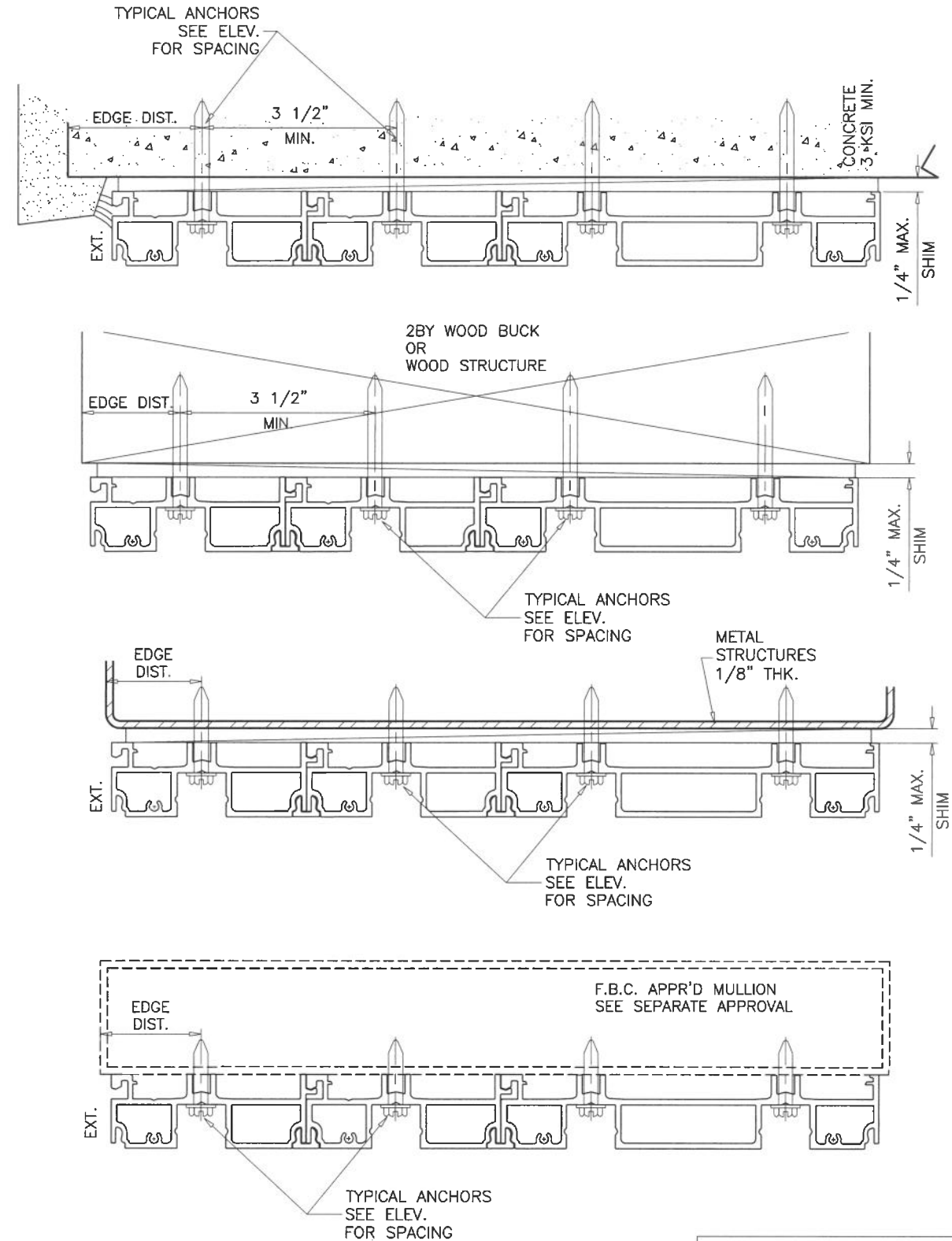
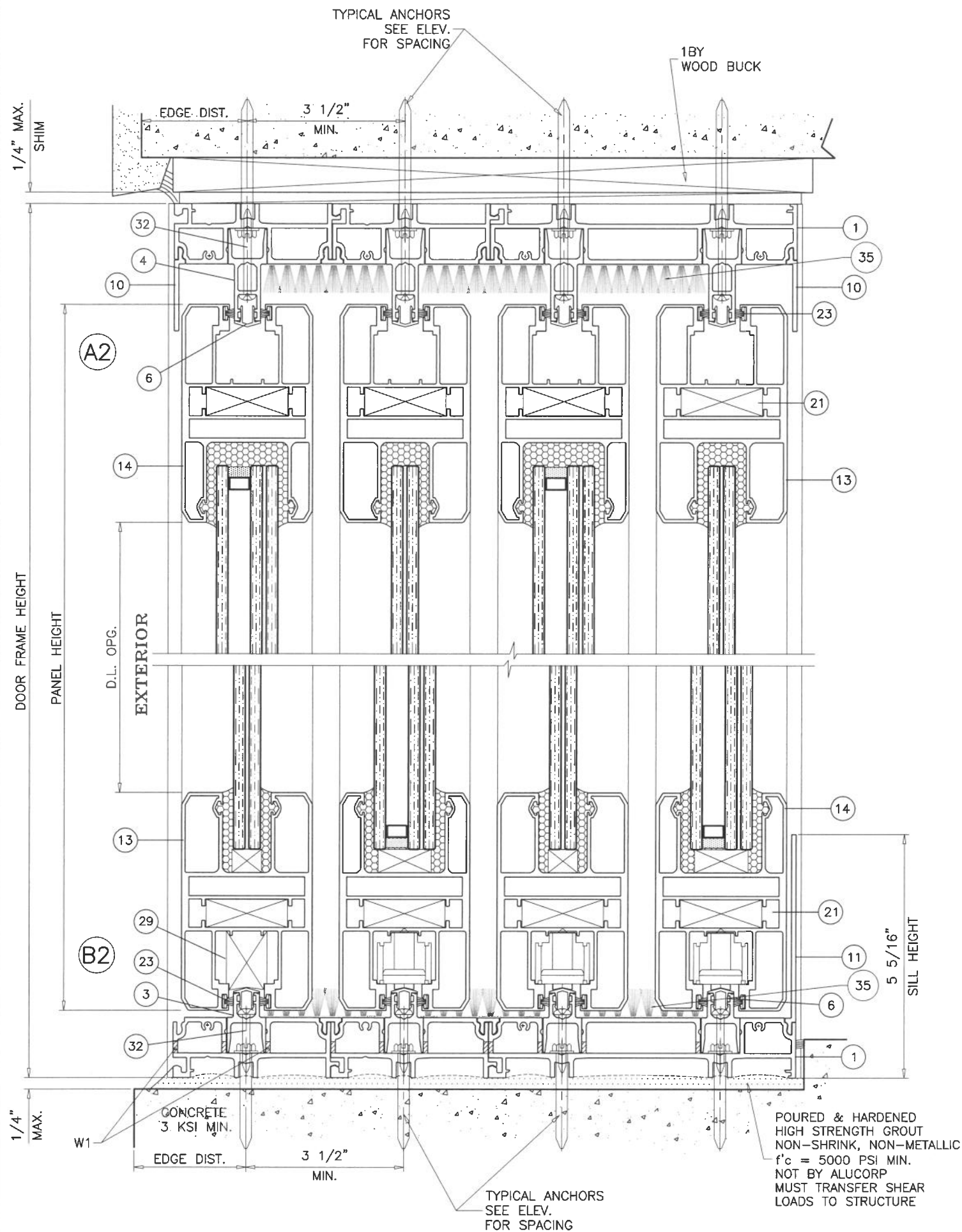
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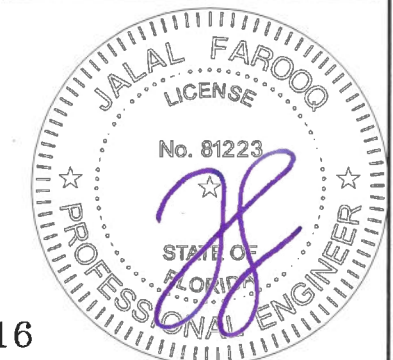
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4 TRACK FRAMES



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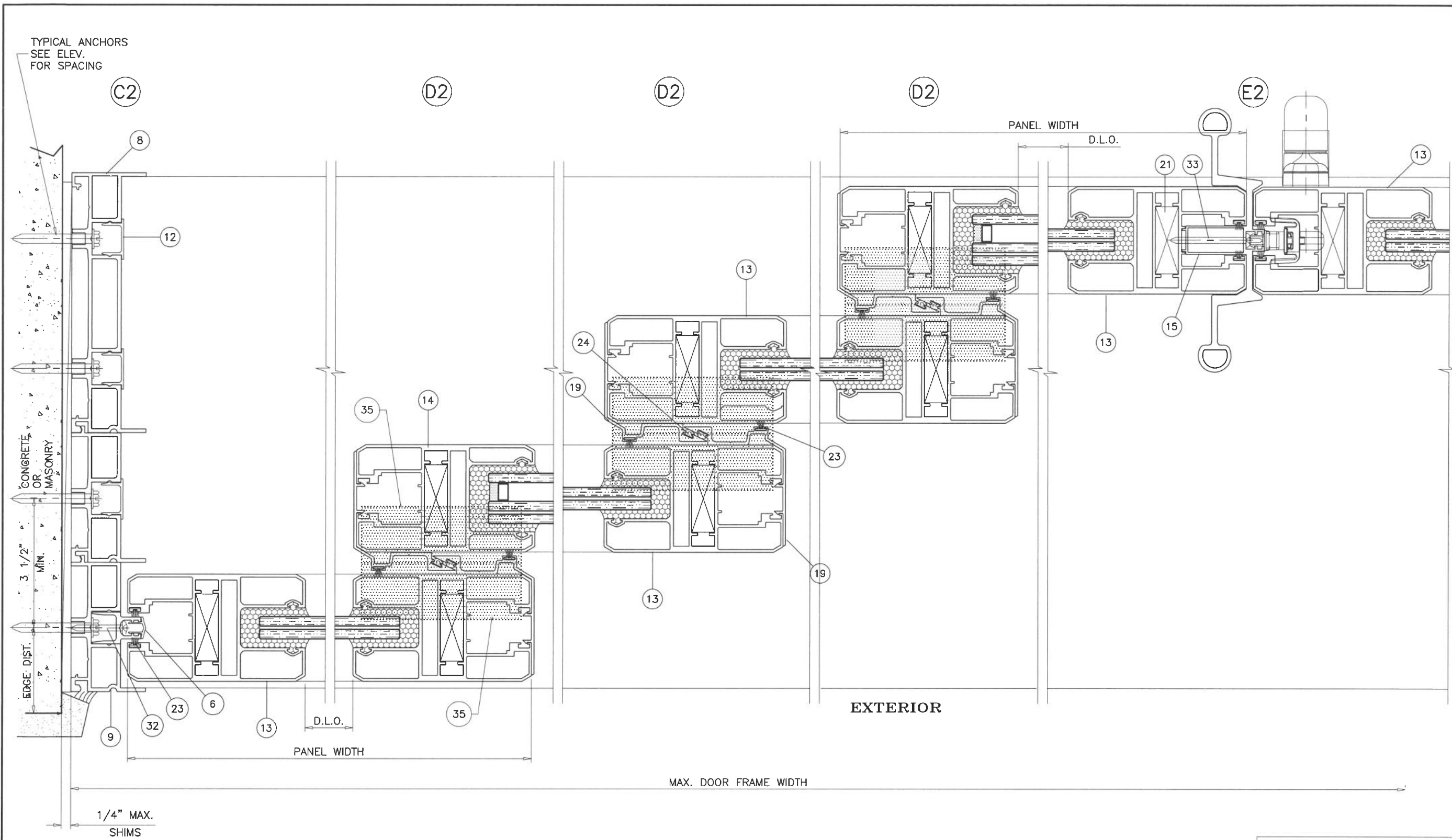
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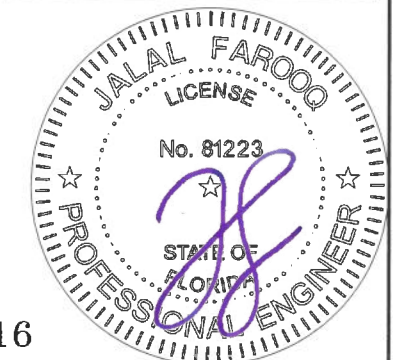


EXTERIOR

MAX. DOOR FRAME WIDTH

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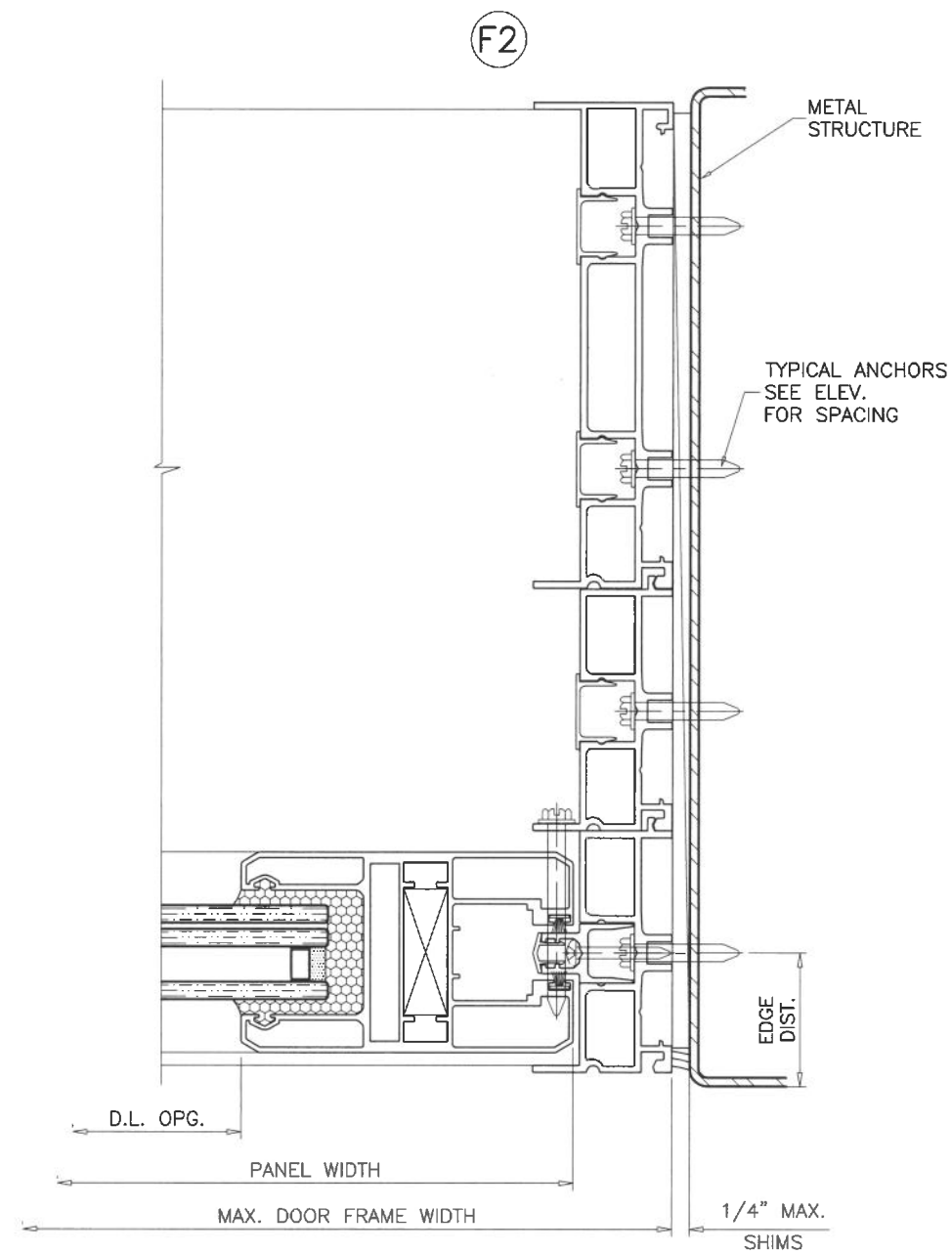
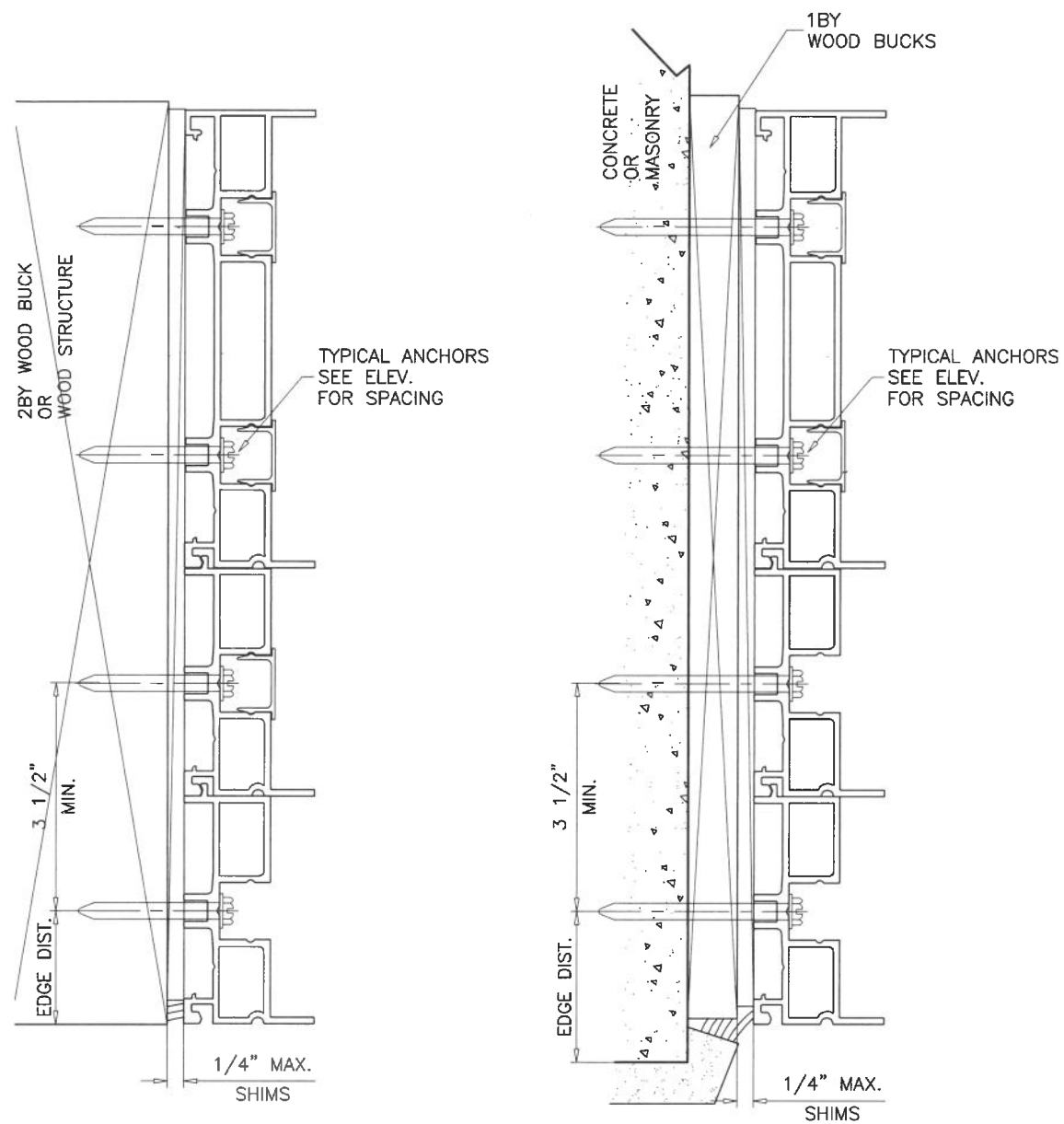
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4 TRACK FRAMES



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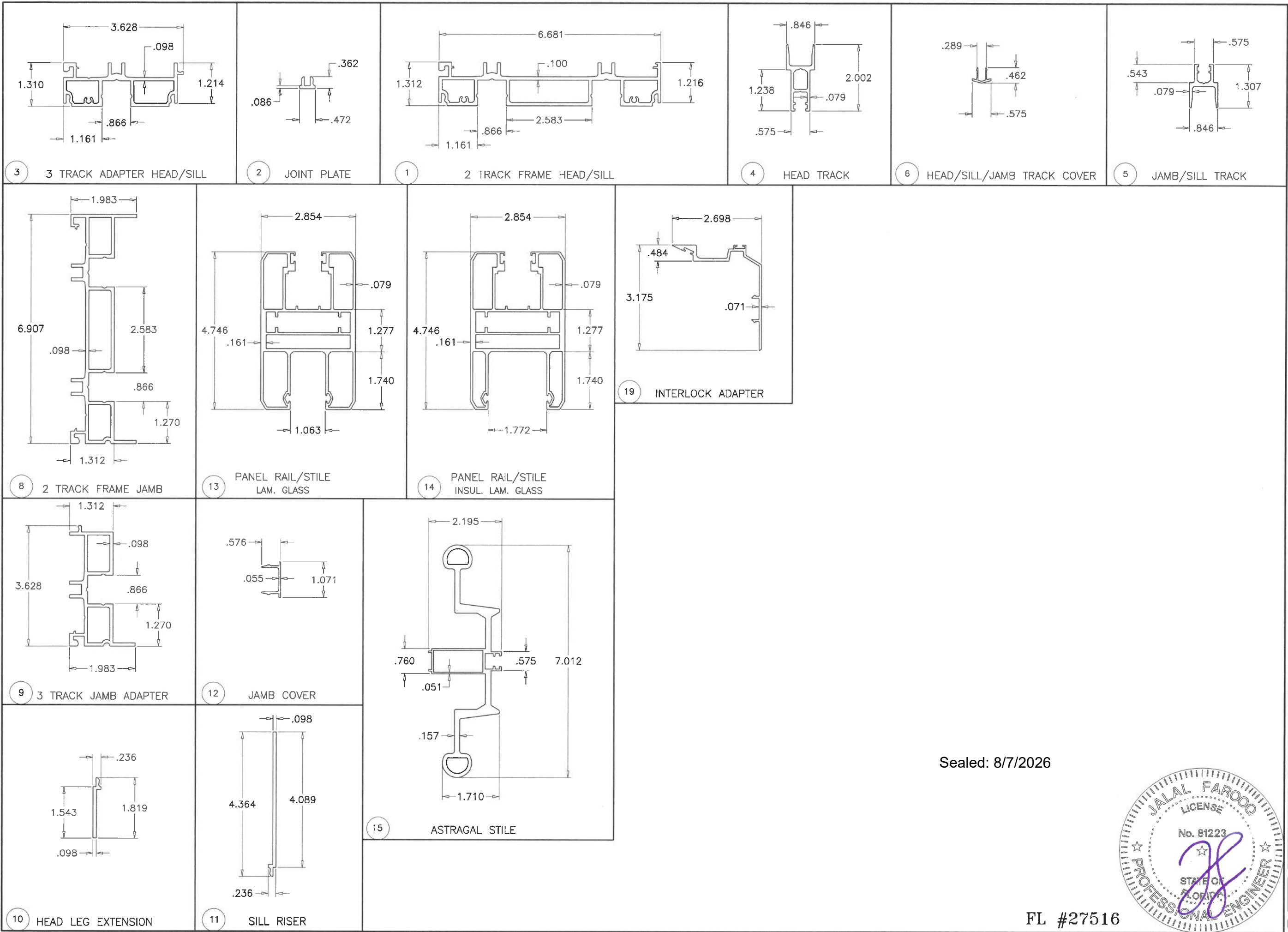
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18-61F

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ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	DIV-947	2	2 TRACK FRAME HEAD/SILL	6063-T6	-
2	-	2	JOINT PLATE	6063-T6	-
3	DIV-949	2	3 TRACK ADAPTER HEAD/SILL	6063-T6	-
4	DIV-952	AS REQD.	HEAD TRACK	6063-T5	-
5	DIV-948	AS REQD.	JAMB/SILL TRACK	6063-T5	-
6	DIV-966	AS REQD.	HEAD/JAMB TRACK COVER	6063-T5	-
8	DIV-953	2	2 TRACK FRAME JAMB	6063-T6	-
9	DIV-954	2	3 TRACK JAMB ADAPTER	6063-T6	-
10	DIV-950	AS REQD.	HEAD LEG EXTENSION	6063-T5	-
11	DIV-986	1	SILL RISER	6063-T5	-
12	DIV-955	AS REQD.	JAMB COVER	6063-T5	-
13	DIV-979	4/ PANEL	PANEL RAIL/STILE (LAM. GLASS)	6063-T5	-
14	DIV-980	4/ PANEL	PANEL RAIL/STILE (INSUL. LAM. GLASS)	6063-T5	-
15	DIV-959	AS REQD.	ASTRAGAL STILE	6063-T5	-
19	DIV-960	AS REQD.	INTERLOCK ADAPTER	6063-T5	-
20	-	-	-	-	-
21	-	-	CORNER KEY	-	-
22	-	-	-	-	-
23	-	AS REQD.	FIN SEAL W'STRIPPING	WOOL	-
24	-	AS REQD.	LEAF W'STRIPPING	VINYL	-
25	-	2/ LITE	SETTING BLOCK	EPDM	DUROMETER 80±5 SHORE A
26	-	-	-	-	-
27	-	-	LOCK AND HANDLE	-	-
28	-	-	ADJUSTABLE STRIKE	-	-
29	-	2/ PANEL	ROLLER ASSEMBLY	-	AT 5" FROM EACH END
30	#10 X 1"	-	FRAME ASSEMBLY FASTENERS	ST. STEEL	PH SMS
31	-	-	-	-	-
32	#10 X 2"	AS REQD.	TRACK INSERT FASTENERS, AT 6" FROM ENDS & 12" O.C.	ST. STEEL	PH SELF DRILLING SCREWS
33	#10 X 3"	AS REQD.	ASTRAGAL ADAPTER FASTENERS, AT 2" FROM ENDS & 12" O.C.	ST. STEEL	PH SMS
34	#14 X 1-1/2"	3/ PANEL	FIXED PANEL FASTENERS, AT 10" FROM ENDS & AT MID SPAN	ST. STEEL	HH SELF DRILLING SCREWS
35	P6395AMK	4/ INTERLOCK	SELF ADHESIVE PILE PAD (1.35" X .63" X 4.25")	WOOL	ULTRAFAB

SEALANT:

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

LOCKS:

SURFACE MOUNT METALLIC THREE PLY DUAL HOOK LOCK AT 42" FROM BOTTOM FASTENED TO LOCK STILE WITH (2) #10 X 1-1/2" FH SELF DRILLING SCREWS

SURFACE MOUNT METALLIC KEEPER FACING LOCK AT 43-1/2" FROM BOTTOM FASTENED WITH (2) #10 X 1-1/2" FH SMS



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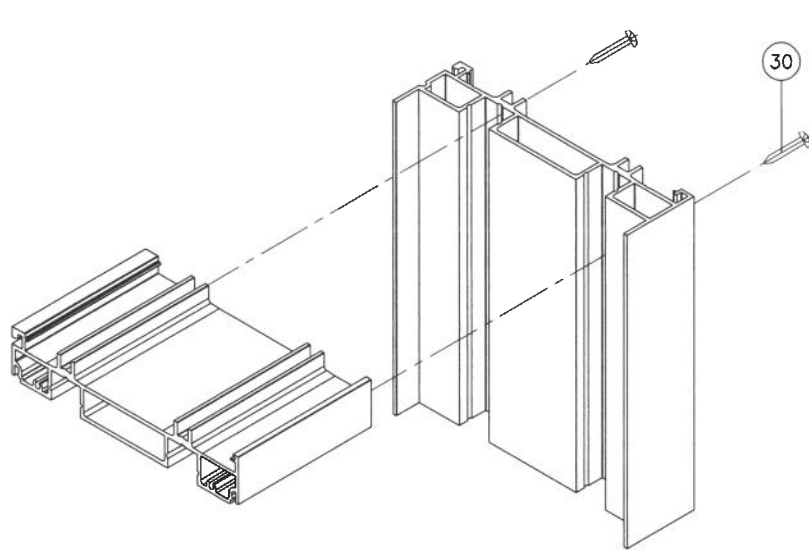
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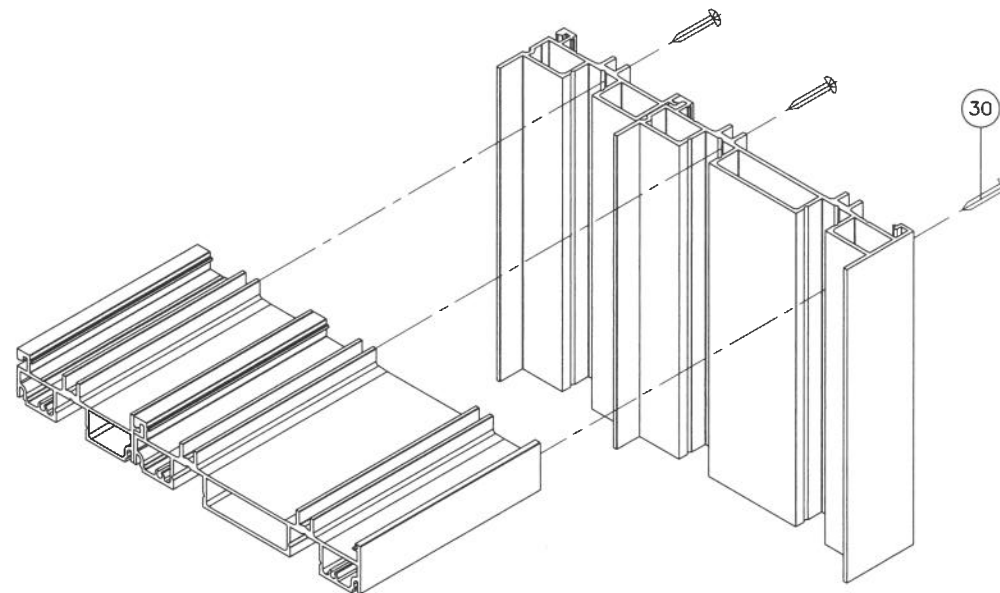
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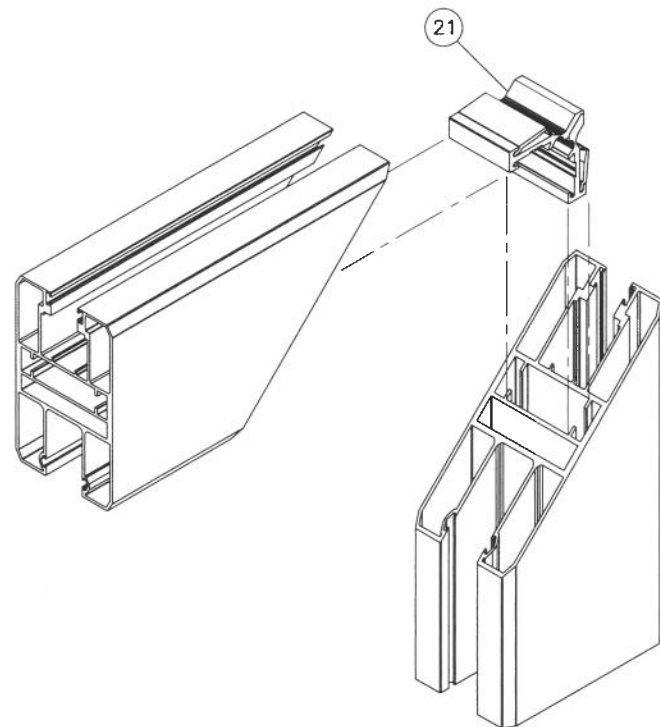
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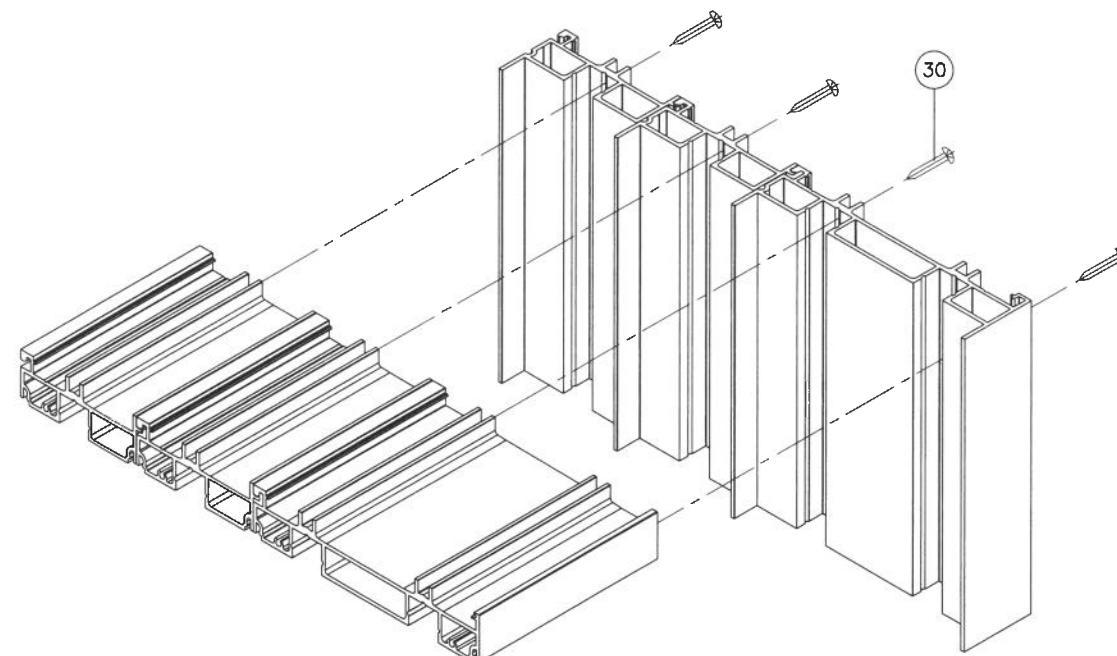
TOP/BOTTOM CORNER
(2 TRACK FRAMES)



TOP/BOTTOM CORNER
(3 TRACK FRAMES)



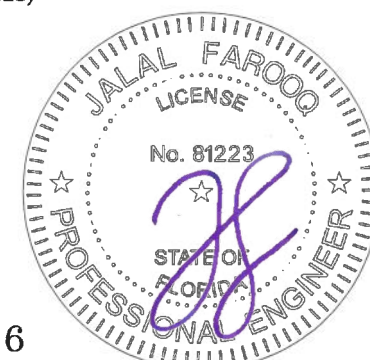
PANEL TOP/BOTTOM CORNER



TOP/BOTTOM CORNER
(4 TRACK FRAMES)

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