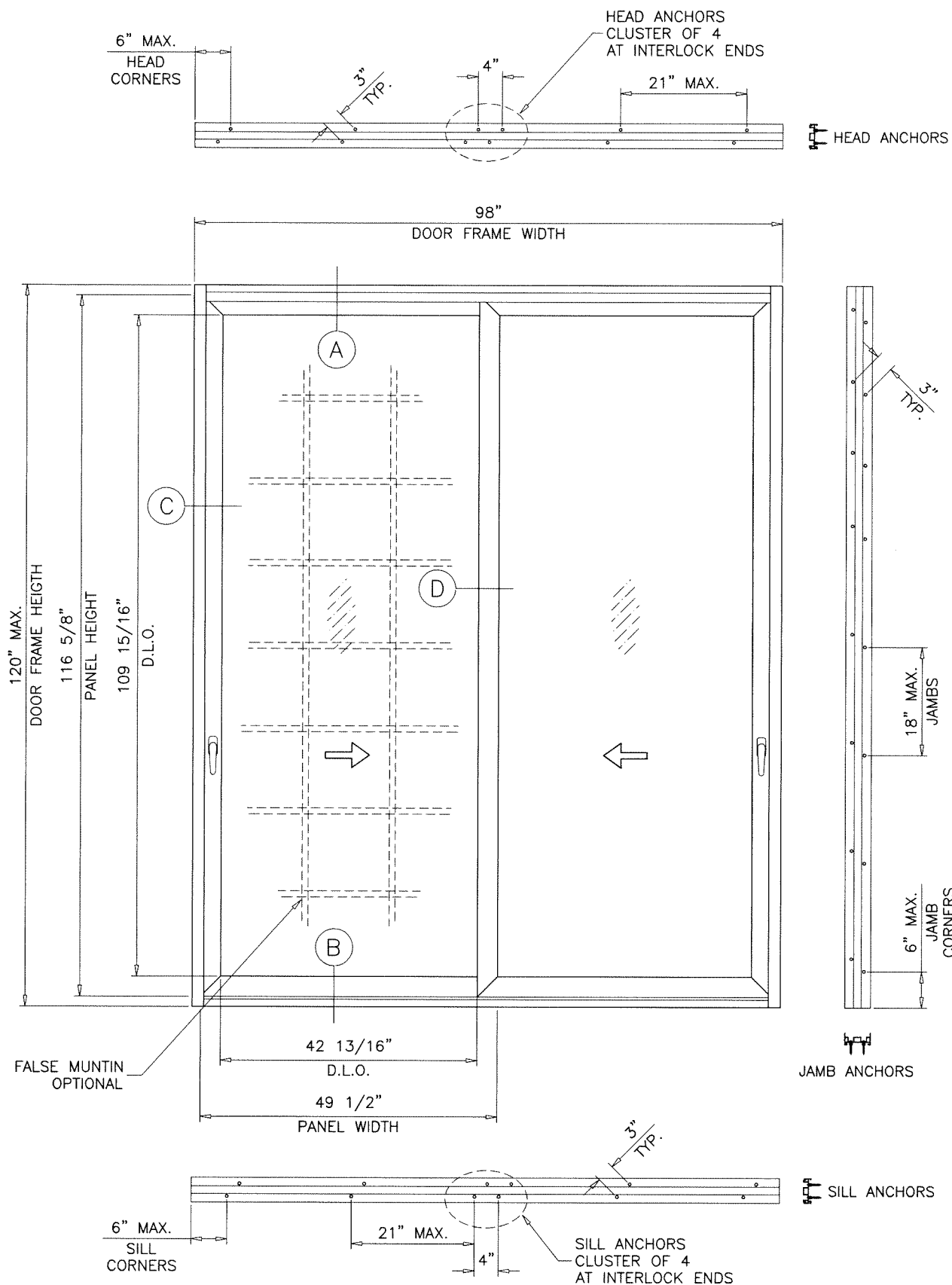




TYPICAL ELEVATION
(2 TRACK)

DAYLITE OPENINGS WIDTHS:
PANEL WIDTH - 6.688"

DAYLITE OPENING HEIGHT:
PANEL HEIGHT - 6.688"

PANEL HEIGHT = DOOR FRAME HEIGHT - 3.375"

THESE DOORS ARE RATED FOR LARGE & SMALL MISSILE IMPACT.
SHUTTERS ARE NOT REQUIRED.

**SERIES 120 (L.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 2020 (7TH EDITION)/2023 (8TH 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 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.

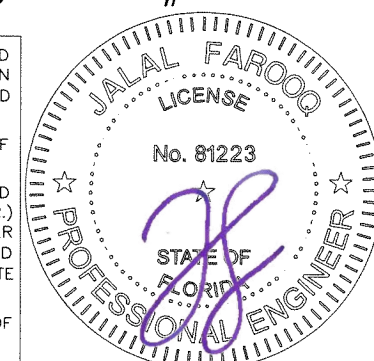
DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

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.

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- 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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ENGINEERS & PRODUCT DEVELOPMENT
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MIAMI, FLORIDA 33173
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COMP-ANL 18-51F-ALU

SERIES 120 ALUM SLIDING GLASS DOOR (L.M.I.)

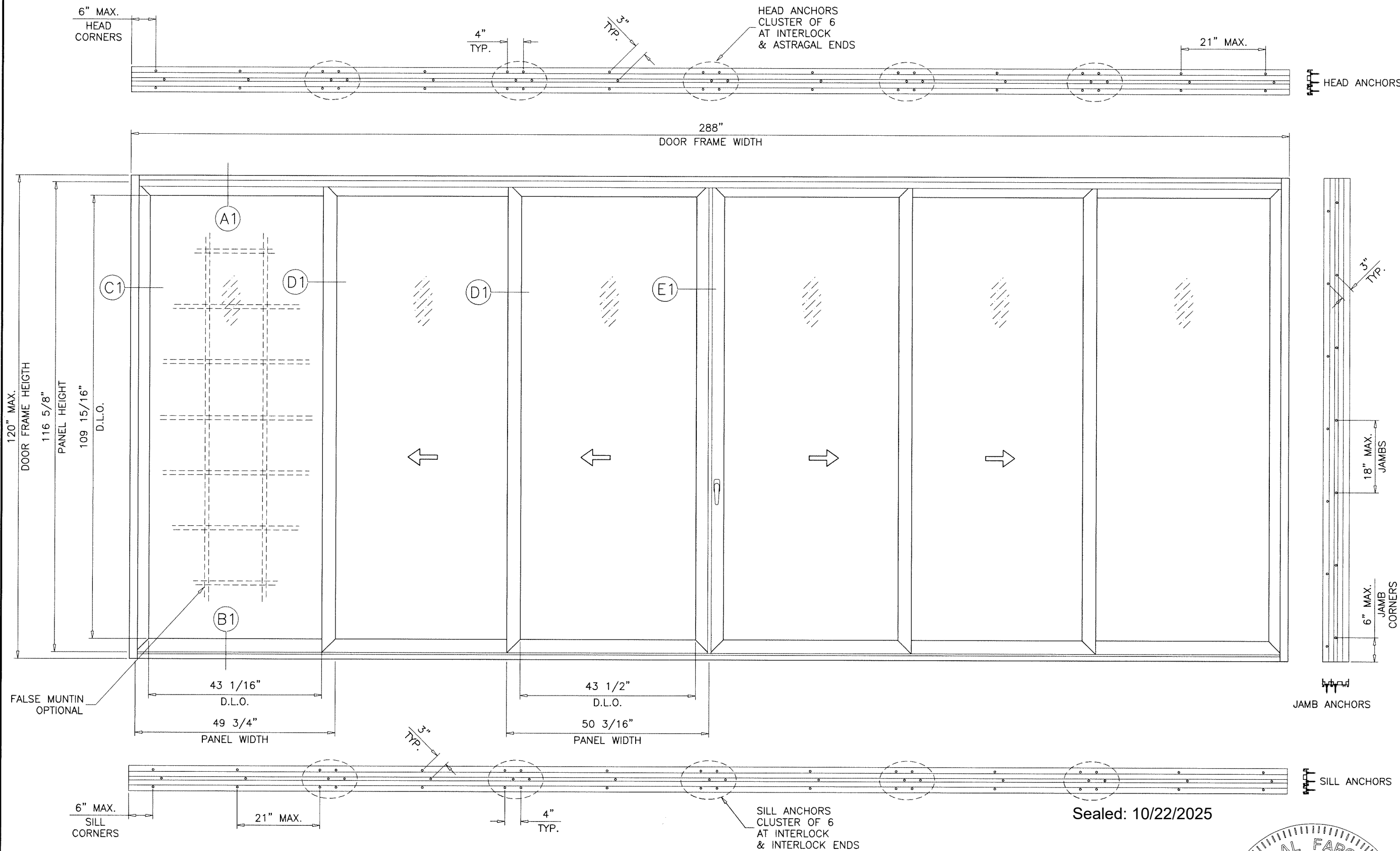
Alucorp S.A. De C.V.
Calle 2 Tablaje 17439 Int C x 21y
25 Chichi Suarez, Merida
Yucatan, Mexico
Tel. (-) Fax. (-)

revisions:	no	date	by	description
	A	06.28.20		UPDATED TO 2020 FBC
	B	01.26.22		2 TRACK OPTION ADDED
	C	07.01.23		UPDATED TO 2023 FBC
	D	10.02.25		GLASS & RISER OPTIONS ADDED

date: 04-25-18
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:

drawing no.
18-51F

sheet 1 of 14



TYPICAL ELEVATION
(3 TRACK)

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SERIES 120 ALUM SLIDING GLASS DOOR (L.M.I.)

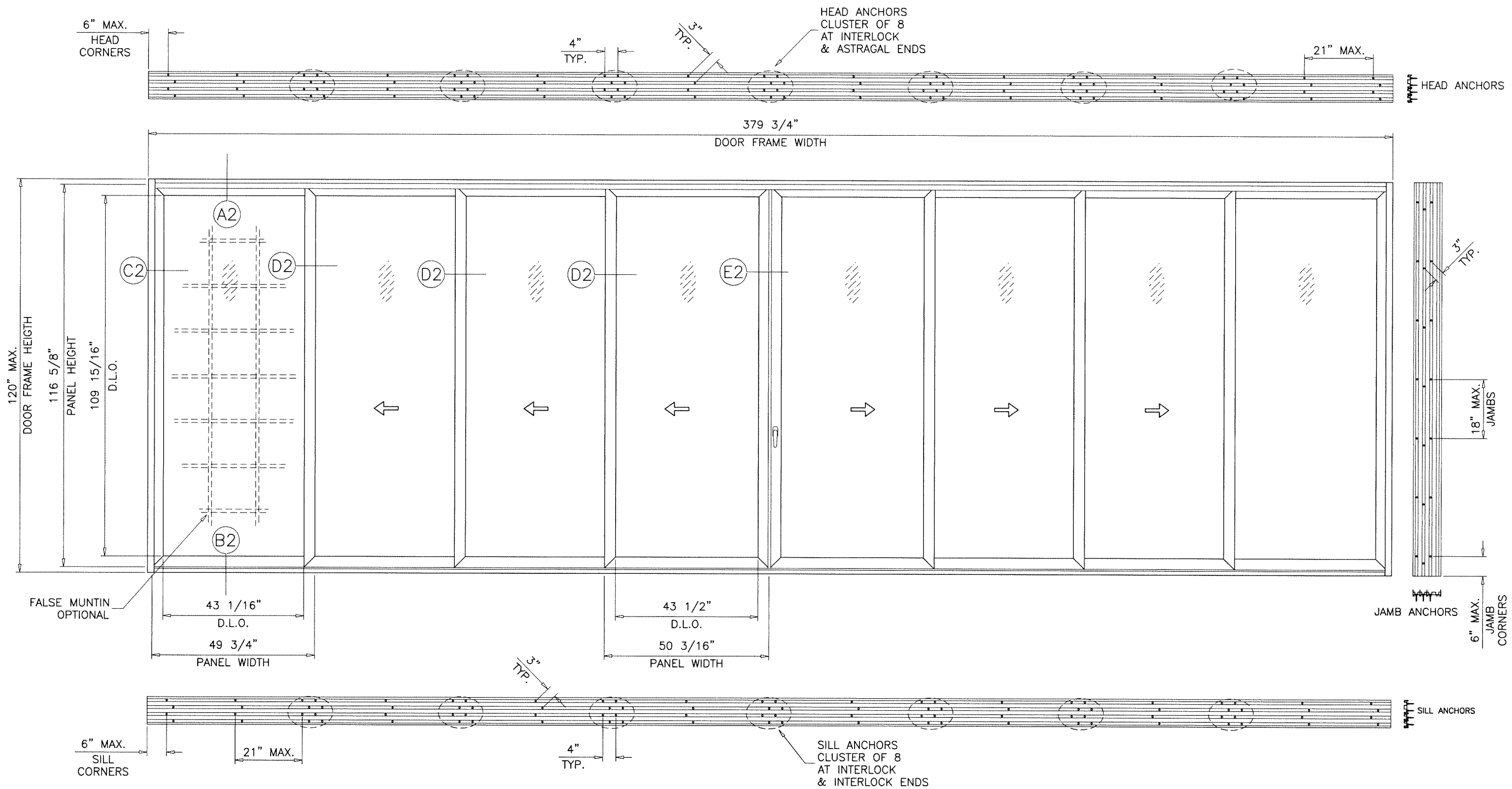
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Calle 2 Tablaje 17439 Int C X 21y
25 Chichi Suarez, Merida
Yucatan, Mexico
Tel. (-) Fax. (-)

revisions:

no	date	by	description

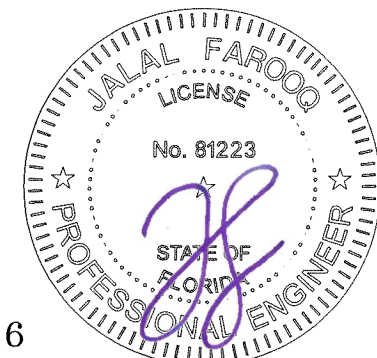
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chk. by:

drawing no.
18-51F
sheet 2 of 14



TYPICAL ELEVATION
(4 TRACK)

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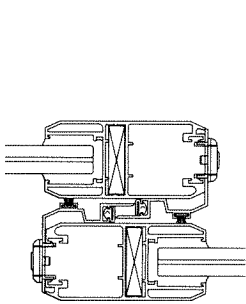
SERIES 120 ALUM SLIDING GLASS DOOR (L.M.I.)

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Calle 2 Tablaje 17439 Int C X 21y
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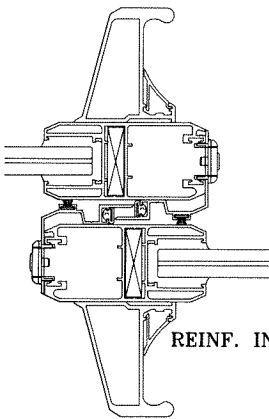
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dr. by:	TARIQ	chk. by:	
drawing no.	18-51F	sheet	2.1 of 14

DOOR DESIGN LOAD CAPACITY – PSF					
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	GLASS TYPES 'A' & 'Ai'			
		STD. INTERLOCKS STD. ASTRAGAL		REINF. INTERLOCKS H.D. ASTRAGAL	
		EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
30	82	80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		70.0	70.0	80.0	80.0
54		62.2	62.2	71.1	71.1
60		–	–	64.0	64.0
30	84	80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		80.0	80.0	80.0	80.0
48		70.0	70.0	80.0	80.0
54		62.2	62.2	71.1	71.1
60		–	–	64.0	64.0
30	90	80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		78.3	78.3	80.0	80.0
48		70.0	70.0	80.0	80.0
54		–	–	71.1	71.1
60		–	–	64.0	64.0
30	96	80.0	80.0	80.0	80.0
36		80.0	80.0	80.0	80.0
42		76.8	76.8	80.0	80.0
48		70.0	70.0	80.0	80.0
54		–	–	71.1	71.1
60		–	–	64.0	64.0
30	102	–	–	80.0	80.0
36		–	–	80.0	80.0
42		–	–	80.0	80.0
48		–	–	80.0	80.0
54		–	–	71.1	71.1
60		–	–	–	–
30	108	–	–	80.0	80.0
36		–	–	80.0	80.0
42		–	–	80.0	80.0
48		–	–	80.0	80.0
54		–	–	–	–
60		–	–	–	–
30	114	–	–	80.0	80.0
36		–	–	80.0	80.0
42		–	–	80.0	80.0
48		–	–	80.0	80.0
54		–	–	–	–
60		–	–	–	–
30	120	–	–	80.0	80.0
36		–	–	80.0	80.0
42		–	–	80.0	80.0
48		–	–	80.0	80.0
54		–	–	–	–
60		–	–	–	–

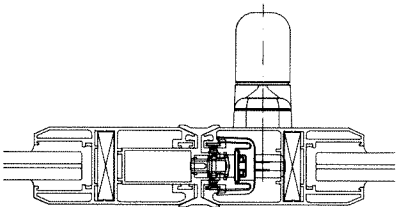
AVERAGE PANEL WIDTH = $\frac{\text{DOOR FRAME WIDTH}}{\text{NUMBER OF PANELS}}$



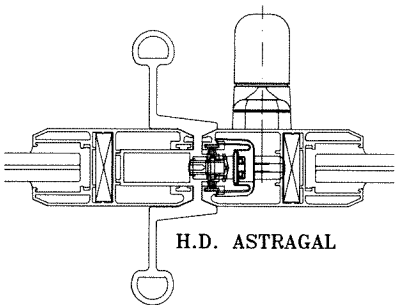
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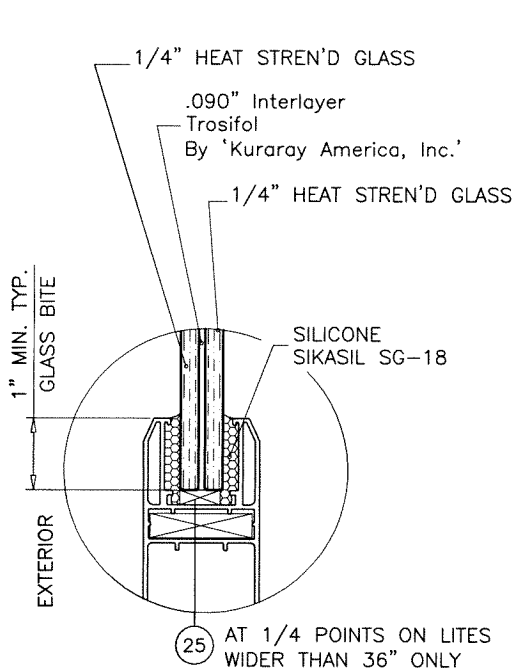
REINF. INTERLOCKS



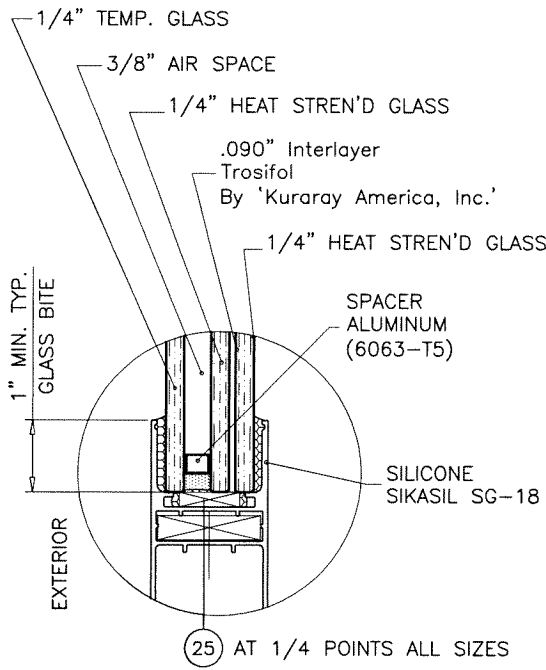
STD. ASTRAGAL



H.D. ASTRAGAL



GLASS TYPE 'A'
9/16" OVERALL LAMINATED GLASS



GLASS TYPE 'Ai'
1-5/16" OVERALL INSUL. LAM. GLASS

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)
AND FLORIDA BUILDING COMMISSION
DECLARATORY STATEMENT DCA05-DEC-219

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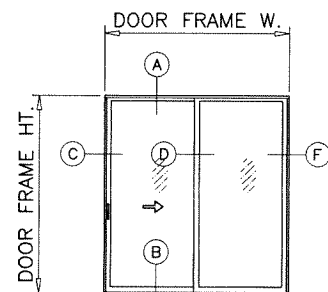


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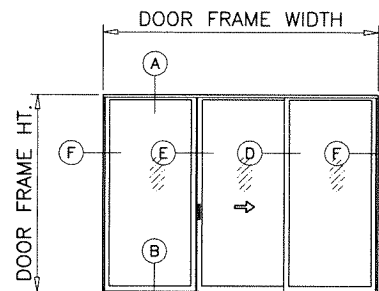
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AL-FAROOQ CORPORATION
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MIAMI, FLORIDA 33173
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COMP-ANL \ 18-51F-ALU

SERIES 120 ALUM SLIDING GLASS DOOR (L.M.I.)
Alucorp S.A. De C.V.
Calle 2 Tablaje 17439 Int C X 21y
25 Chichi Suarez, Merida
Yucatan, Mexico
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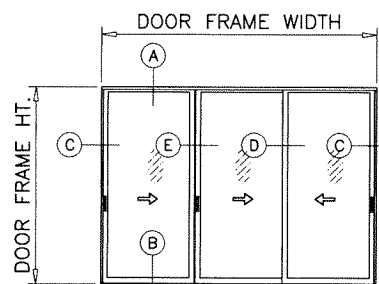
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drawing no.	18-51F	sheet	3 of 14	



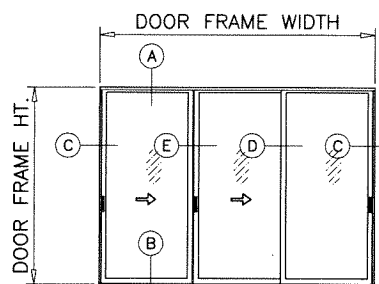
XO (SHOWN)
OX
XX



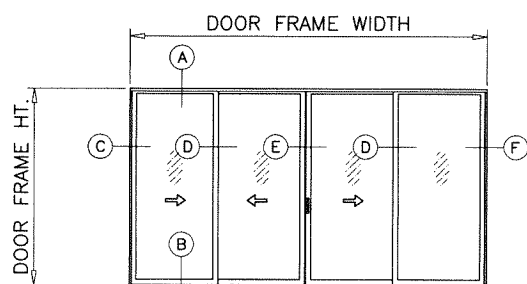
O-XO (SHOWN)



X-XX (SHOWN)

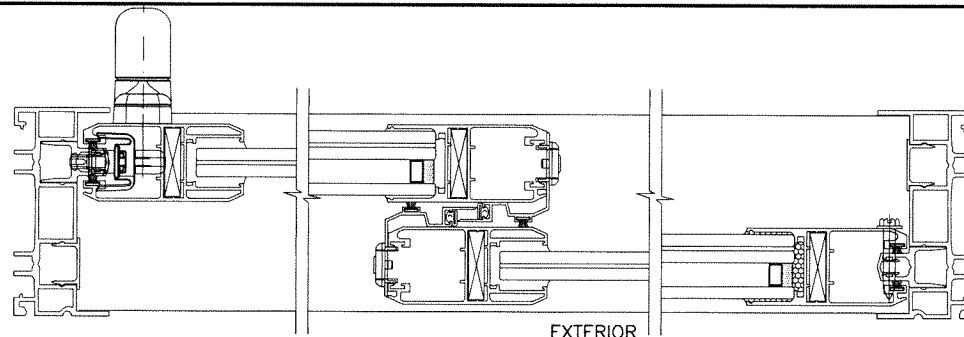


X-XO (SHOWN)
OX-X

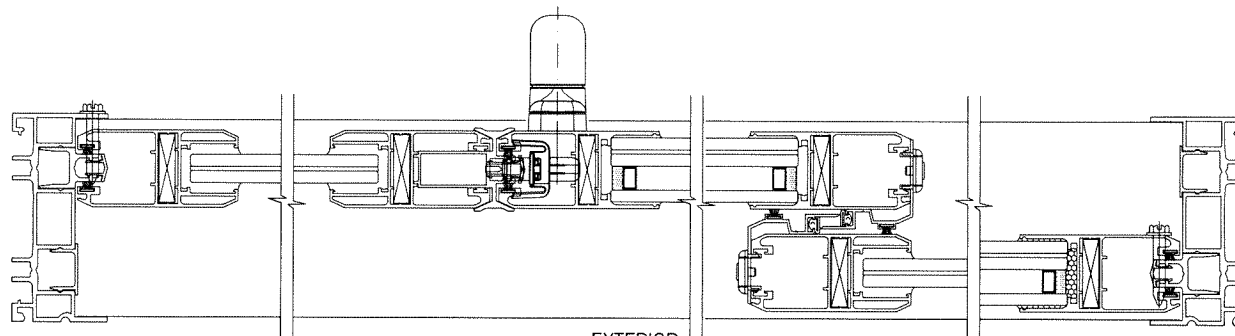


XX-XO (SHOWN)
XX-XX
OX-XO

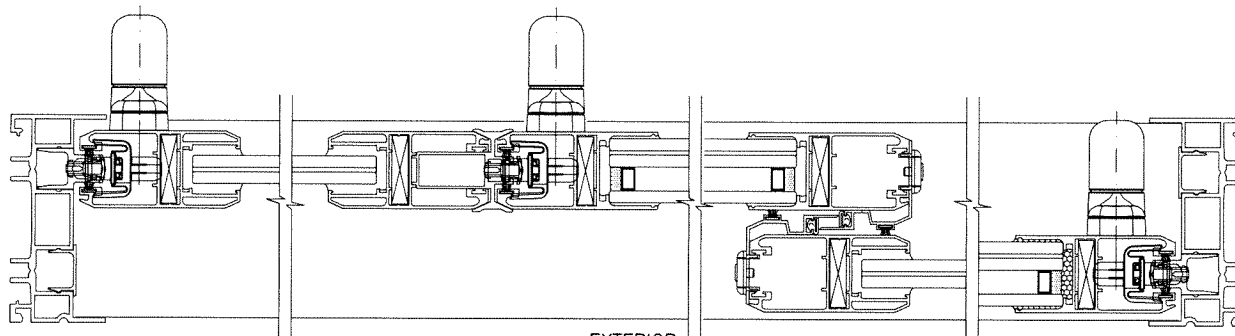
APPROVED CONFIGURATIONS
TWO (2) TRACKS



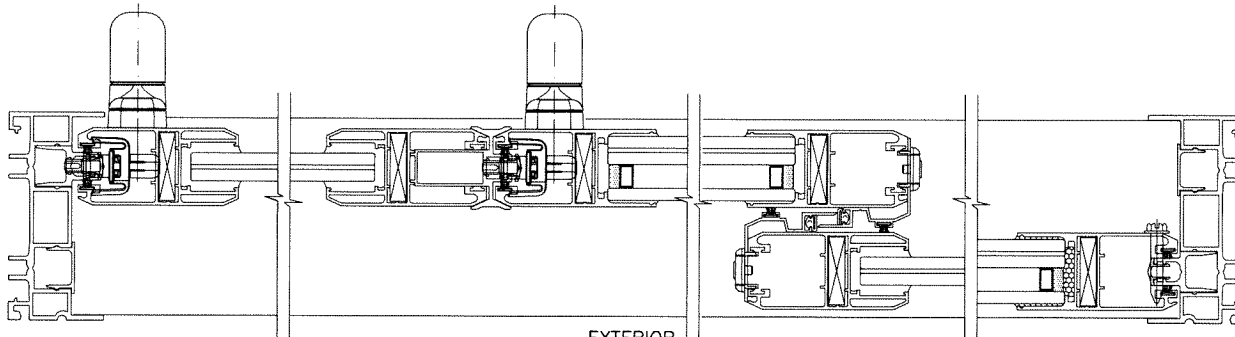
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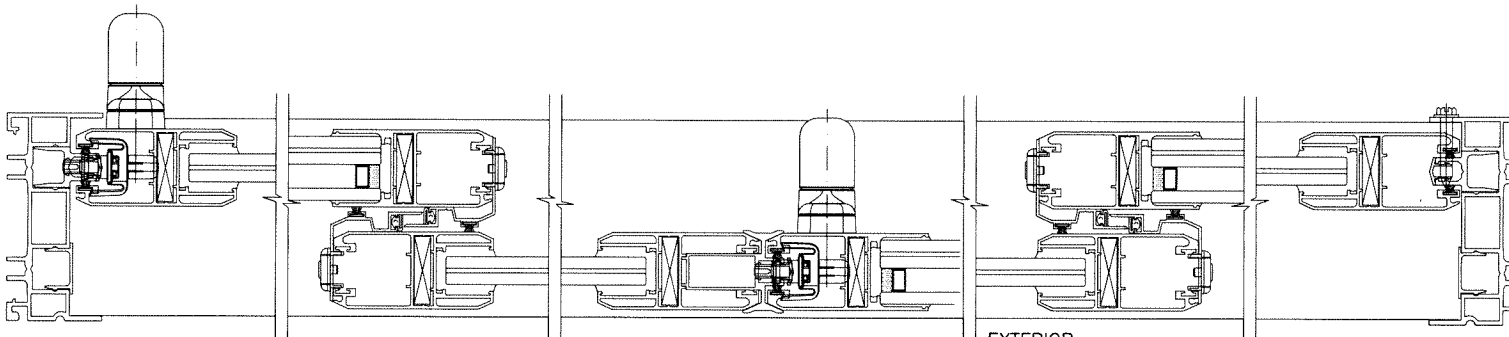
EXTERIOR



EXTERIOR



EXTERIOR



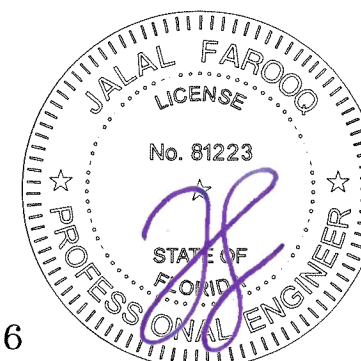
EXTERIOR

NOTE:
CONFIGURATIONS SHOWN FOR ILLUSTRATION PURPOSE
SEE APPLICABLE DESIGN PRESSURE & SIZE IN SHEET 3
AND ANCHOR INSTALLATION IN SHEETS 6 THRU 8.

MAX. FRAME AREA OF TWO (2) TRACK S.G.D. SHALL NOT
EXCEED 160 SQ. FT.
DOOR PANEL AREA SHALL NOT EXCEED 40.6 SQ. FT.
PER FBC REQUIREMENTS.

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(C.A.N. 3538)

COMP-ANL 18-51F-ALU

SERIES 120 ALUM SLIDING GLASS DOOR (L.M.I.)

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Calle 2 Tablaje 17439 Int C X 21y
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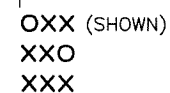
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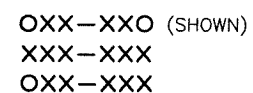
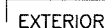
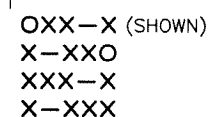
date: 04-25-18
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dr. by: TARIQ
chk. by:

drawing no.
18-51F

sheet 4 of 14



MAX. FRAME AREA OF THREE (3) TRACK S.G.D. SHALL NOT EXCEED 240 SQ. FT.
DOOR PANEL AREA SHALL NOT EXCEED 40.6 SQ. FT.
PER FBC REQUIREMENTS.



FL #27516

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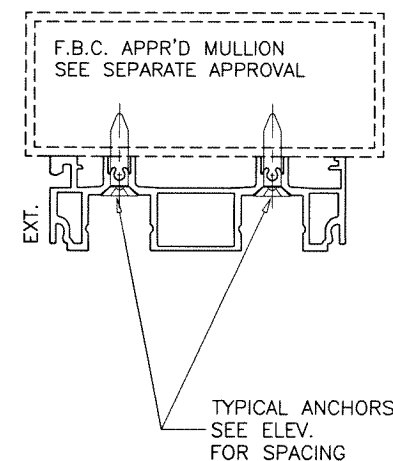
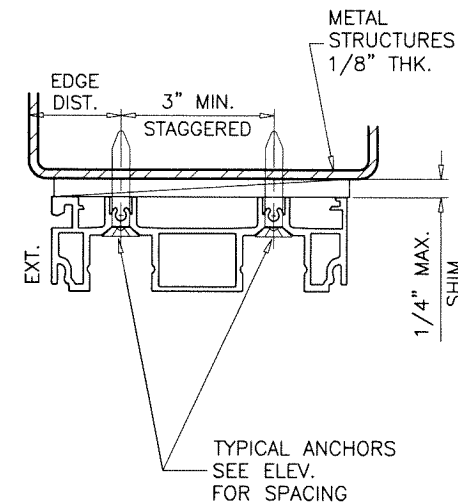
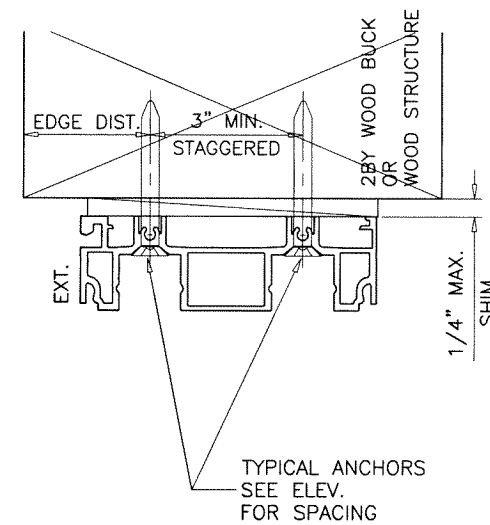
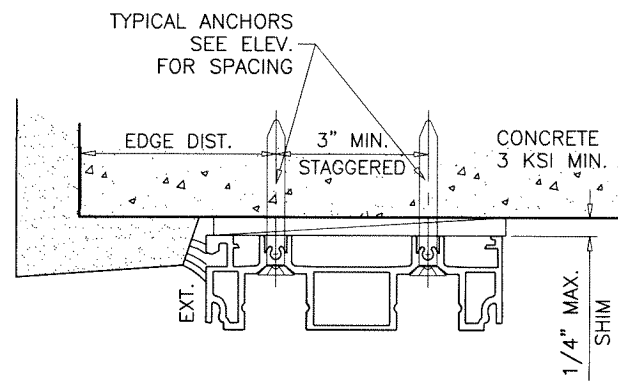
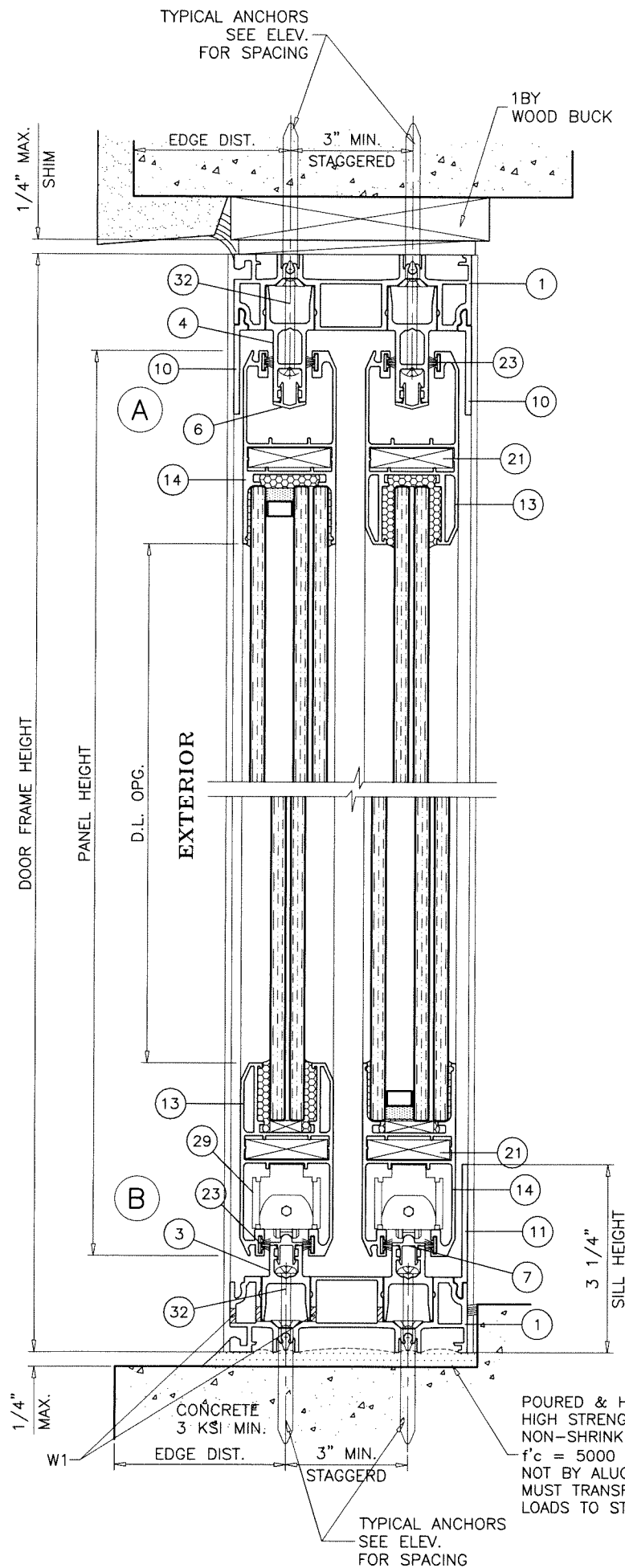
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scale: -
dr. by: TARIQ
chk by:

drawing no

18-51F

sheet 5 of 14



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' ($F_u=164$ KSI, $F_y=148$ KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)
 THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-1/2" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
 DIRECTLY INTO CONCRETE OR BLOCKS
 1-1/2" 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. ($F_y = 36$ KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

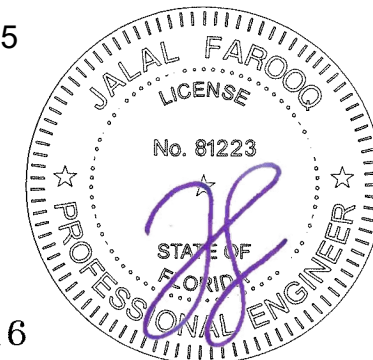
CRITICAL EDGE DISTANCE
 INTO CONCRETE AND BLOCKS = 1-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

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.

2 TRACK FRAMES

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SERIES 120 ALUM SLIDING GLASS DOOR (L.M.I.)

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 Calle 2 Tabloje 17439 Int C X 21y
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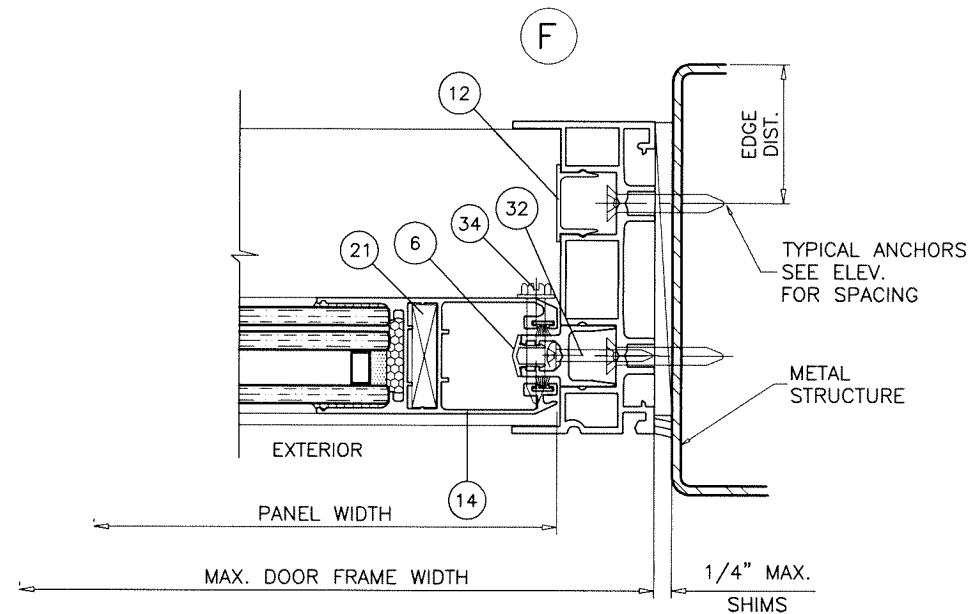
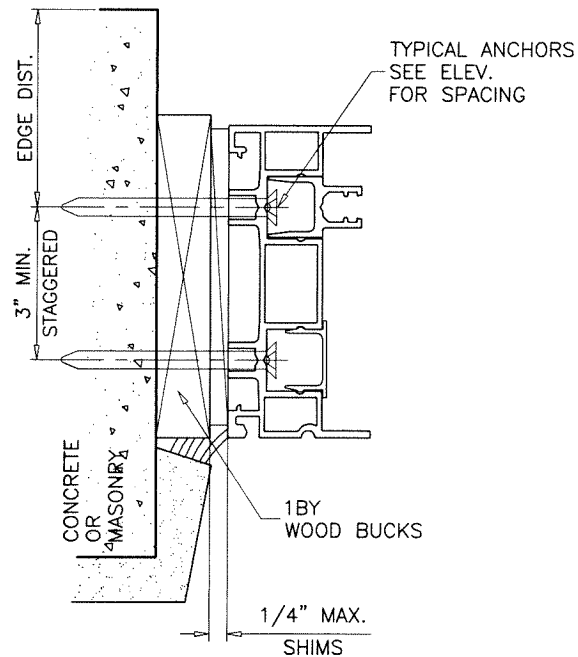
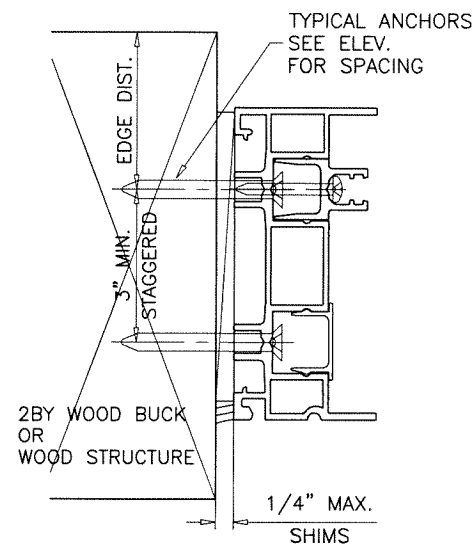
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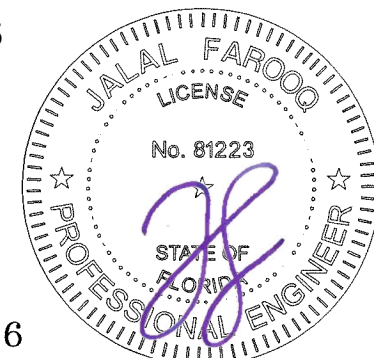
drawing no. **18-51F**

sheet 6 of 14



2 TRACK FRAMES

Sealed: 10/22/2025



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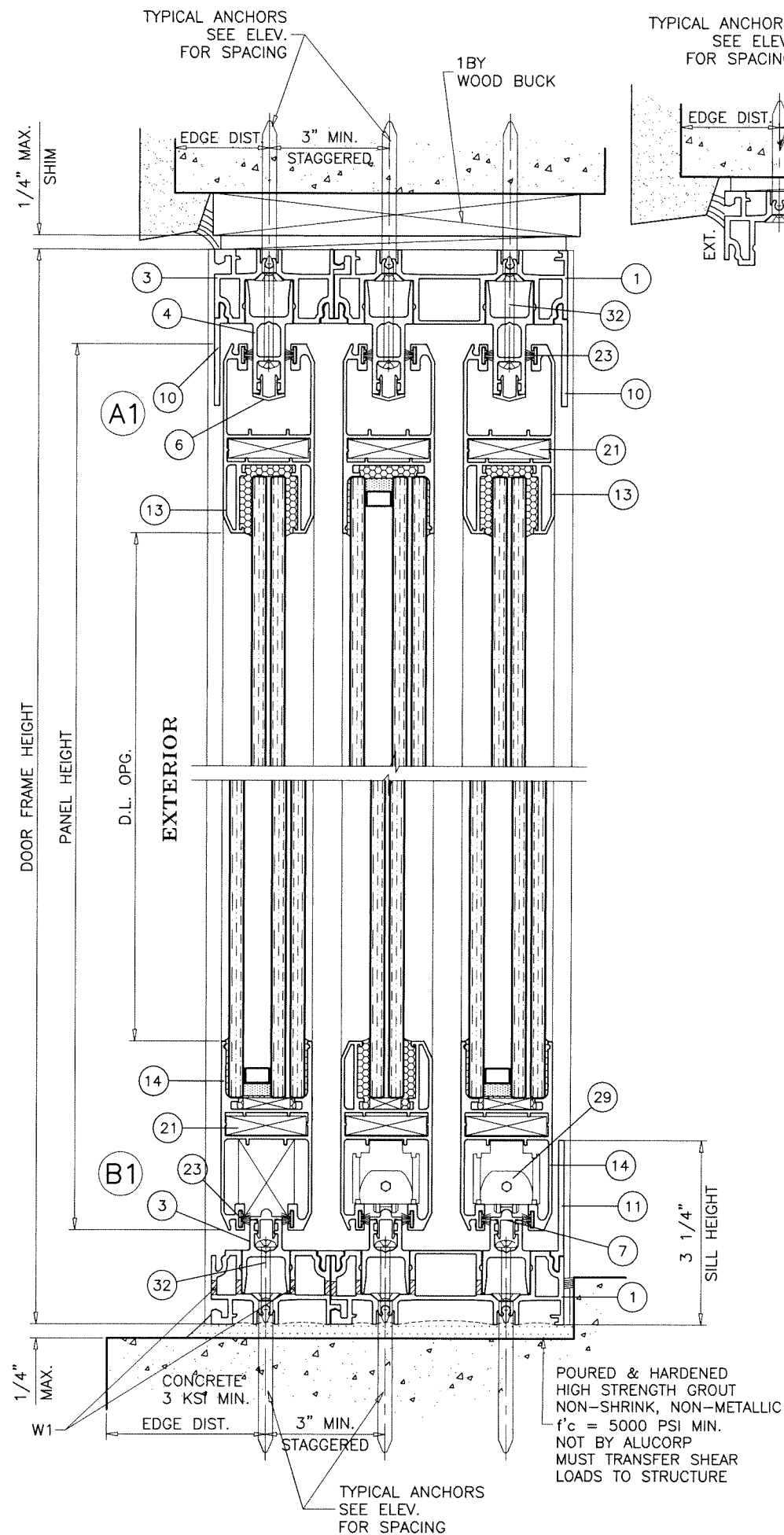
SERIES 120 ALUM SLIDING GLASS DOOR (L.M.I.)

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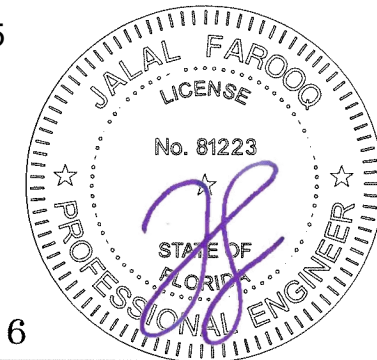
COMP-ANL\18-51F-ALU

revisions:		no date by description	
date:	04-25-18	scale:	3/8" = 1"
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drawing no.	18-51F	sheet	8 of 14



3 TRACK FRAMES

Sealed: 10/22/2025



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TEL. (305) 264-8100 FAX. (305) 262-6978

COMP-ANL\18-51F-ALU

SERIES 120 ALUM SLIDING GLASS DOOR (L.M.I.)

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

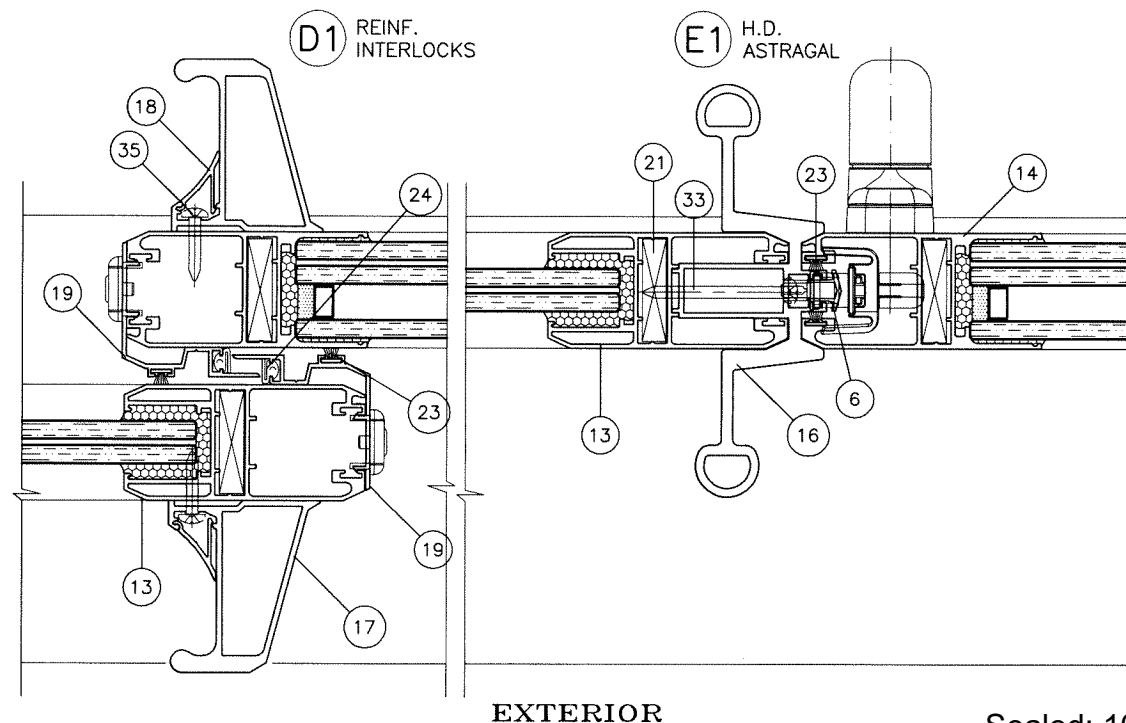
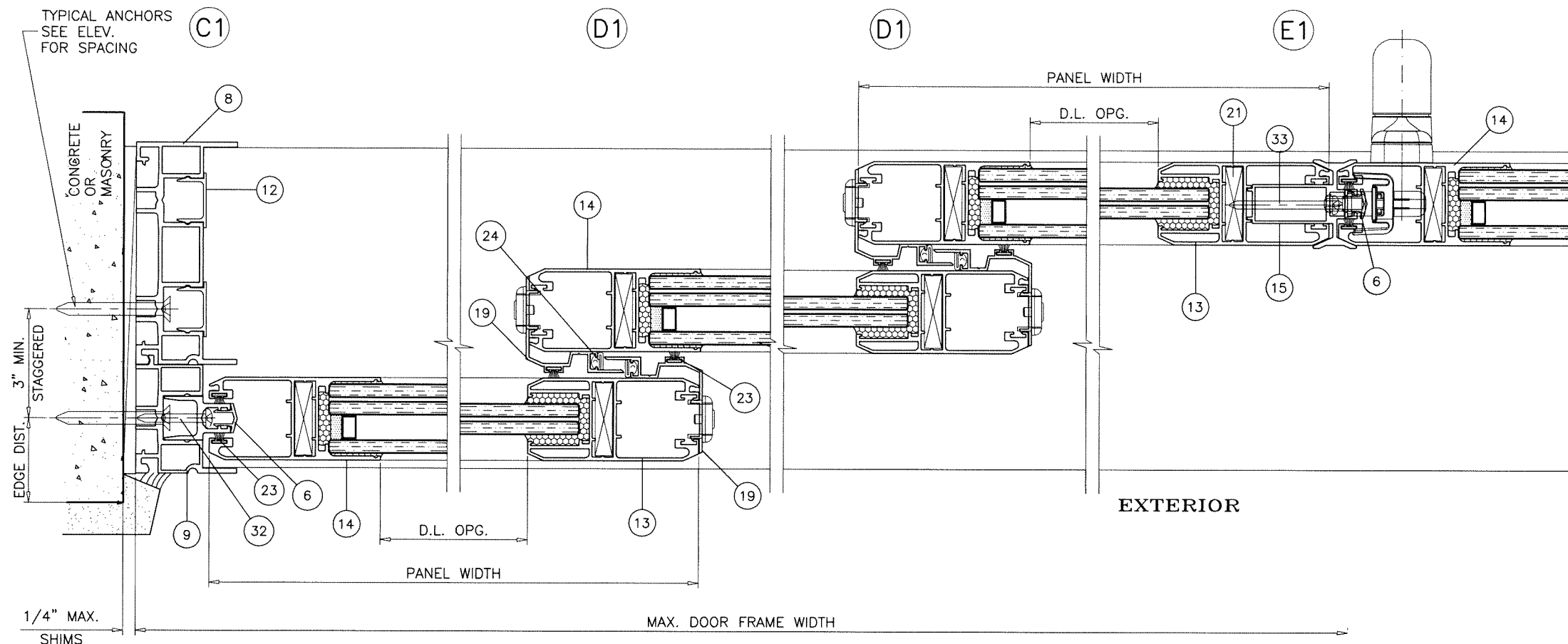
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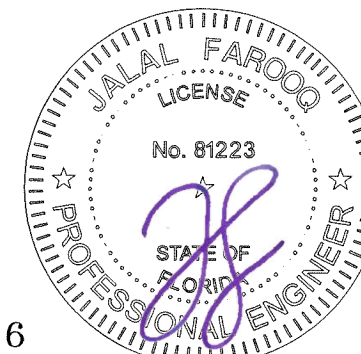
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sheet **9** of **14**



3 TRACK FRAMES

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Yucatan, Mexico
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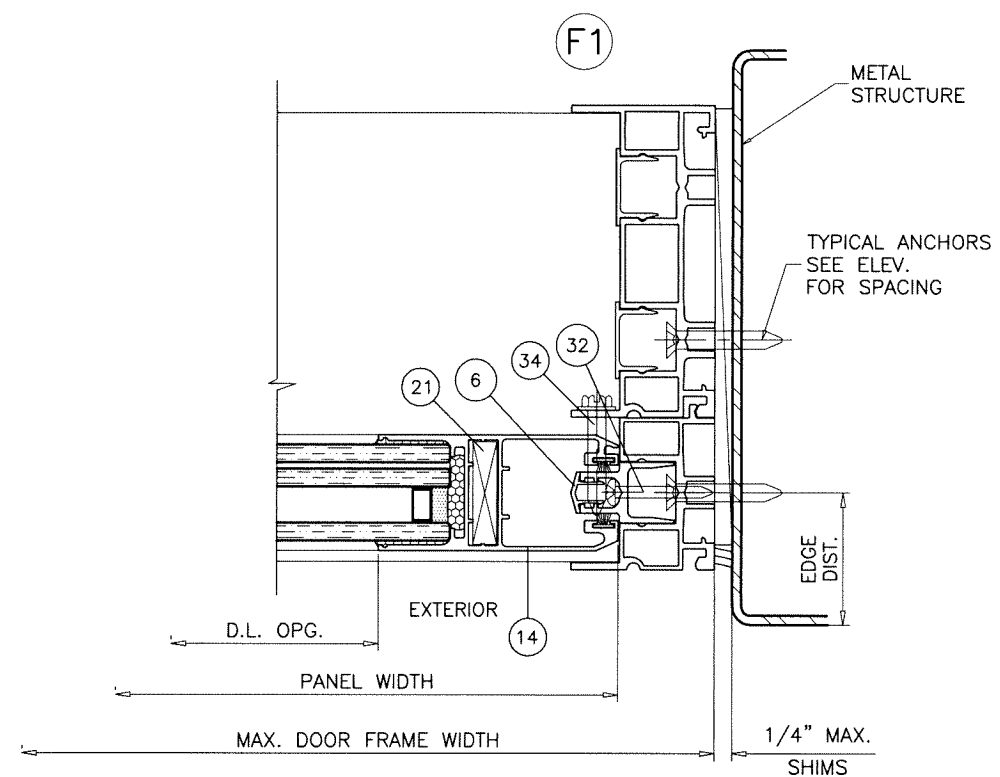
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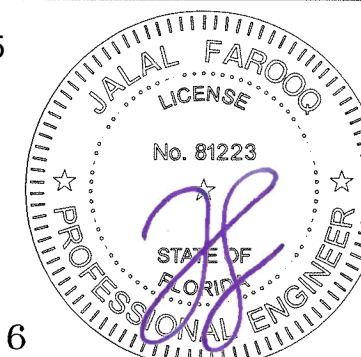
drawing no.

18-51F

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SERIES 120 ALUM SLIDING GLASS DOOR (L.M.I.)

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

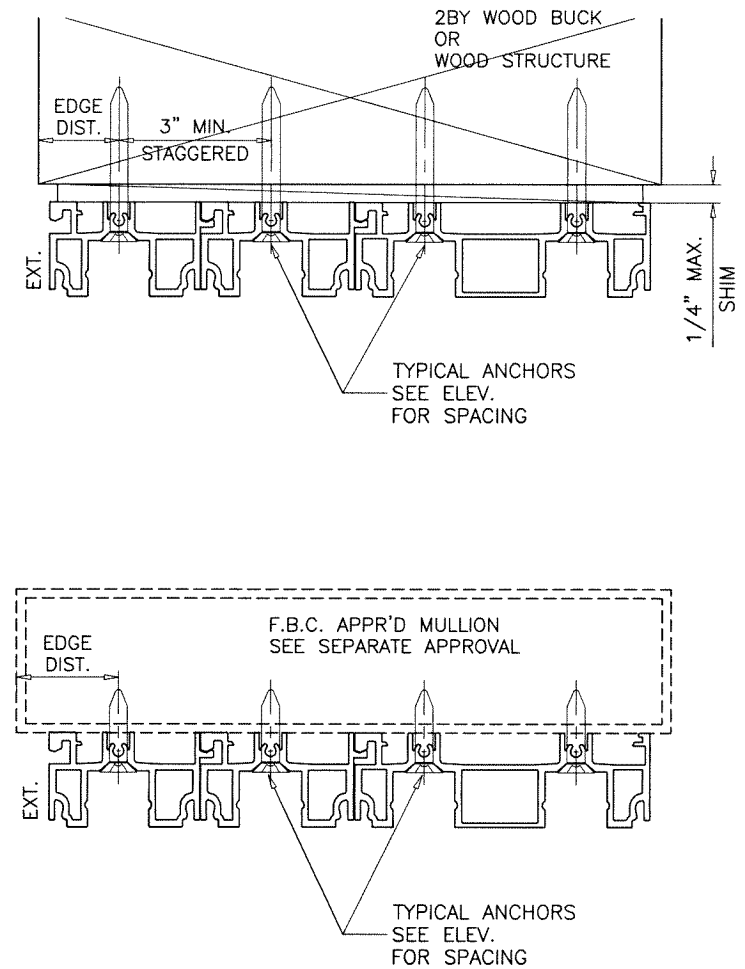
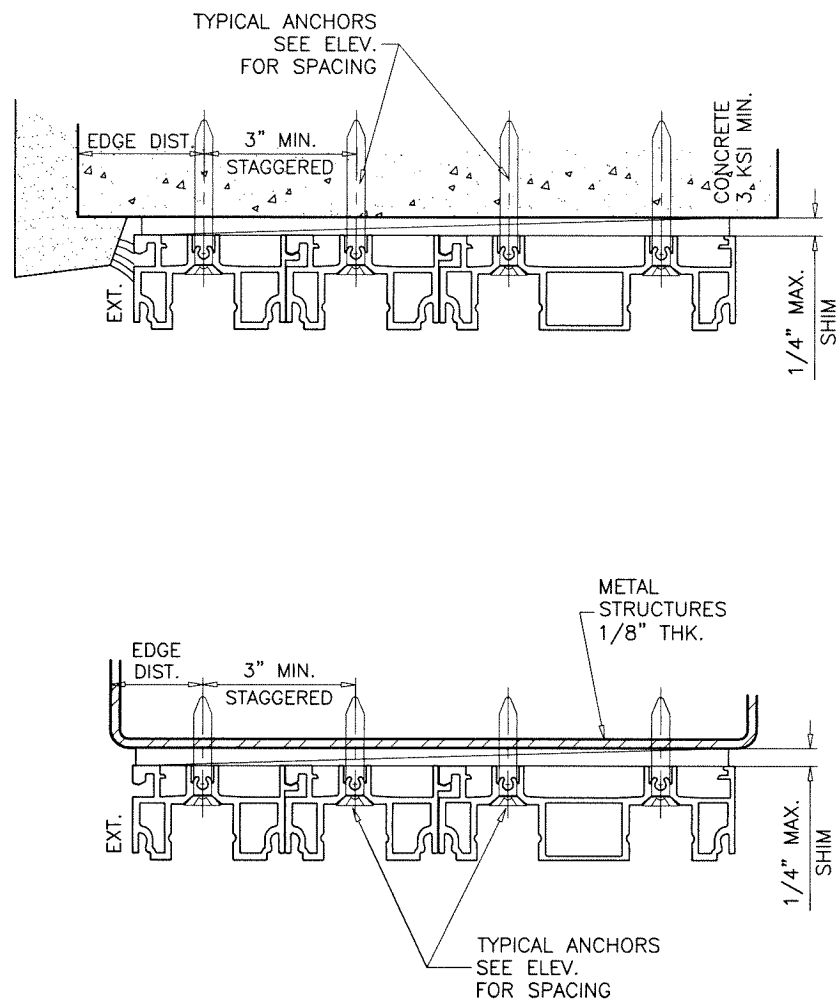
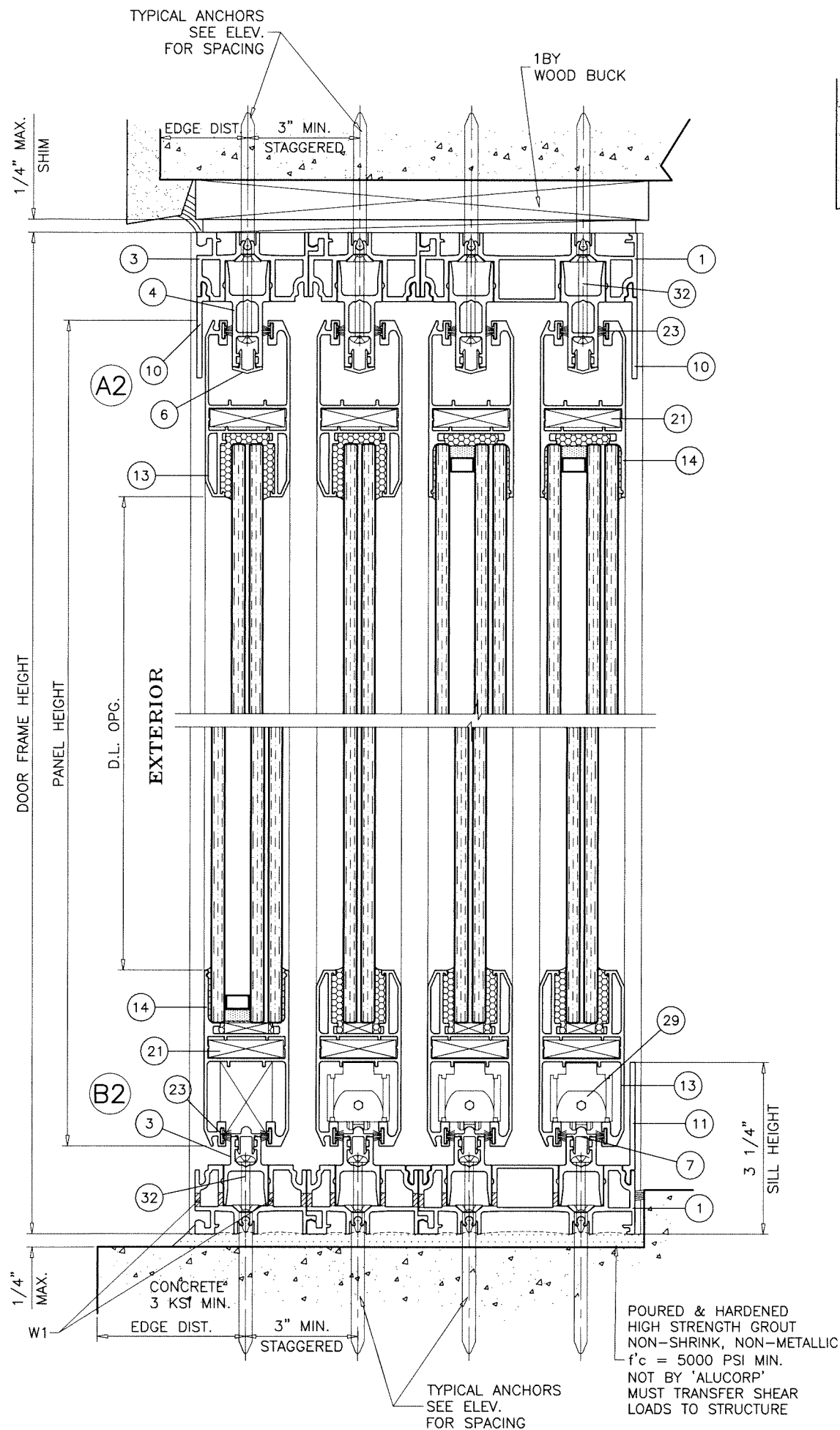
Yucatan, Mexico
Tel. (—)
Fax. (—)

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chk. by:

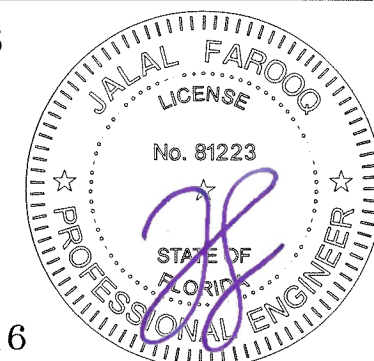
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18-51F

sheet 11 of 14



4 TRACK FRAMES

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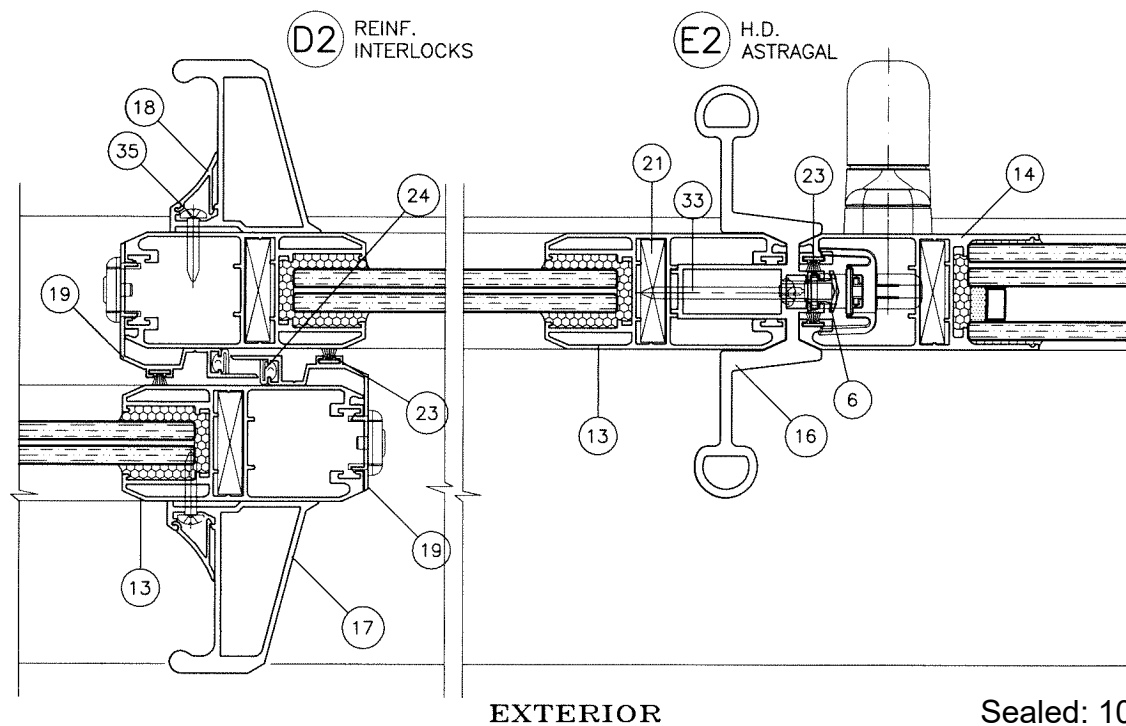
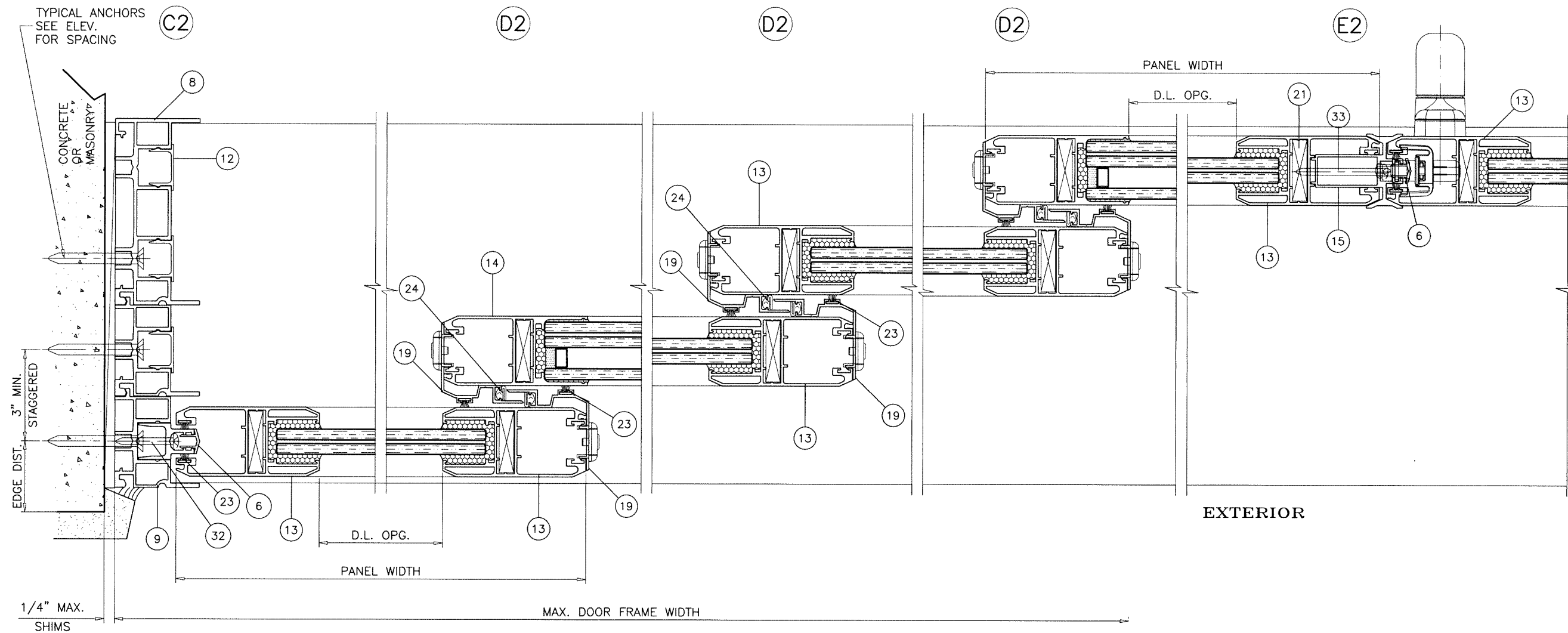
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(C.A.N. 3538)

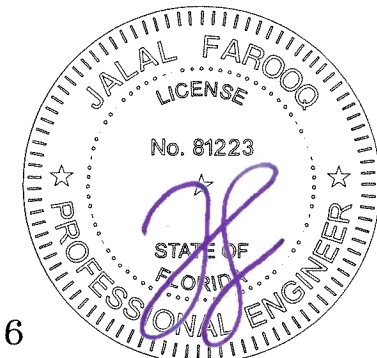
SERIES 120 ALUM SLIDING GLASS DOOR (L.M.I.)

Alucorp S.A. De C.V.
Calle 2 Tablaje 17439 Int C X 21y
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Yucatan, Mexico
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sheet	11.1 of 14		



4 TRACK FRAMES



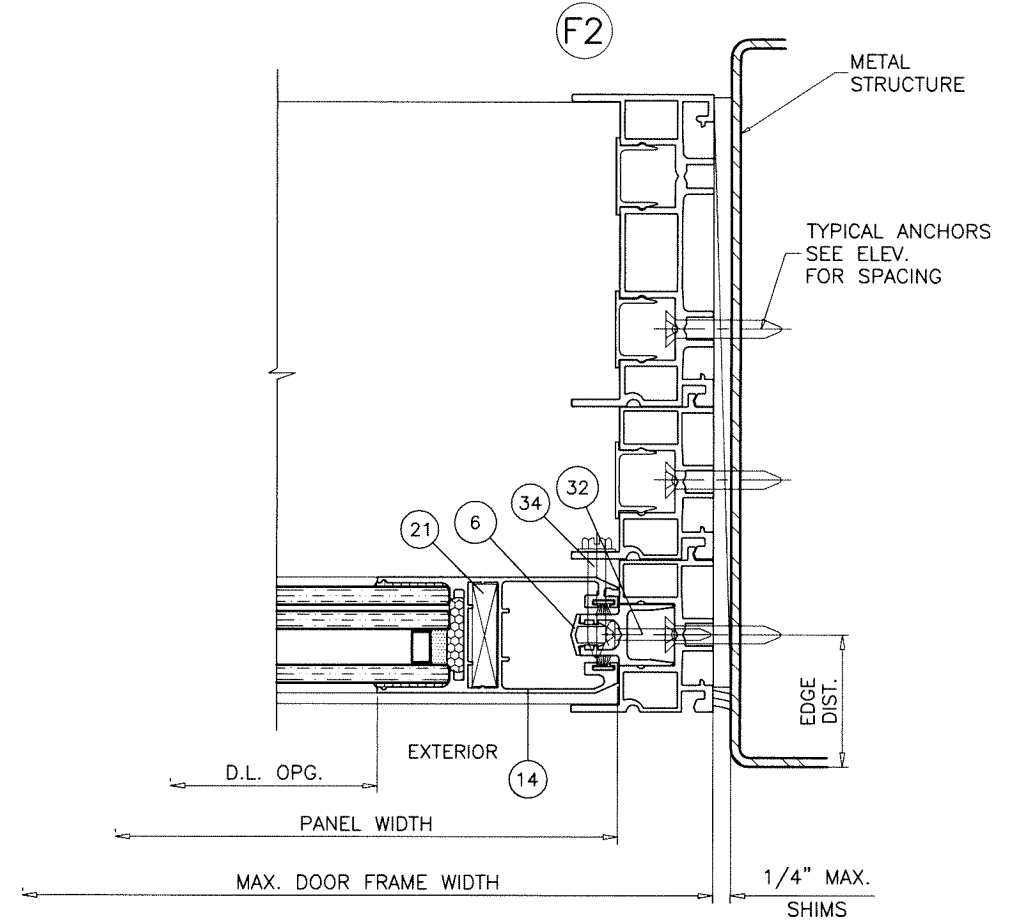
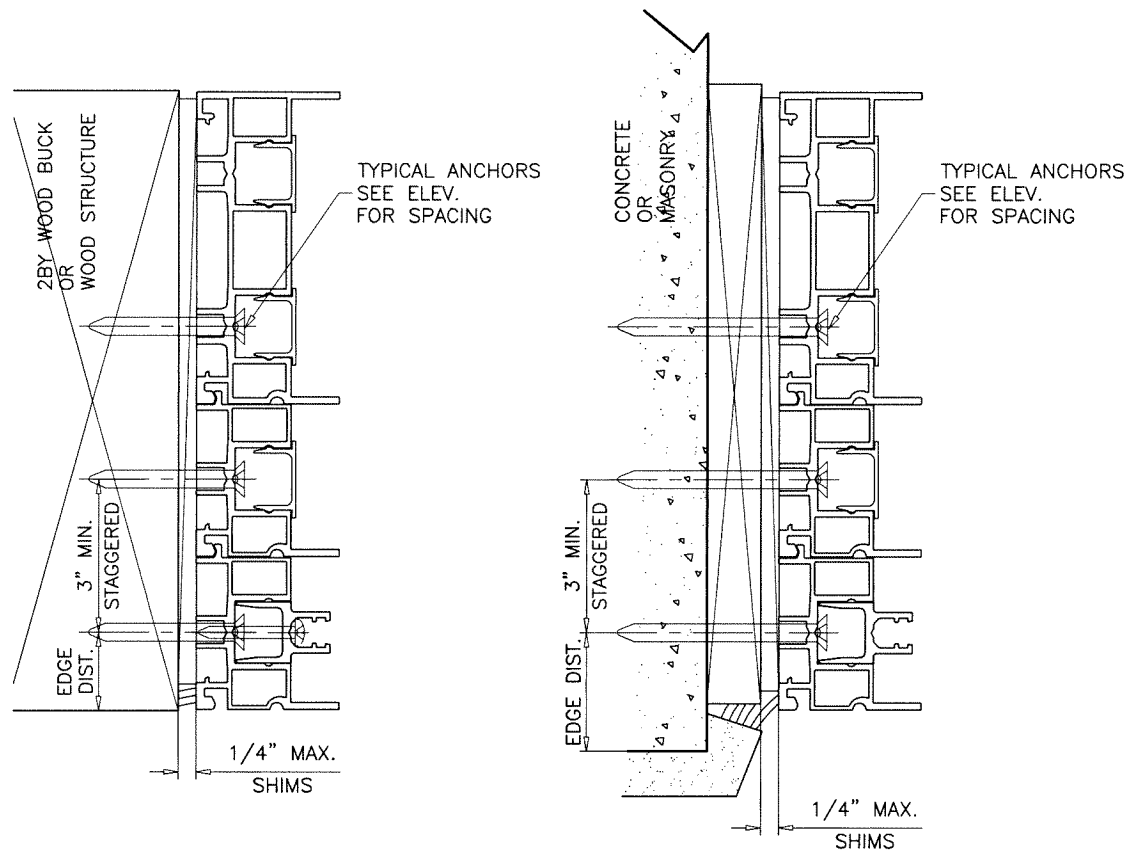
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SERIES 120 ALUM SLIDING GLASS DOOR (L.M.I.)

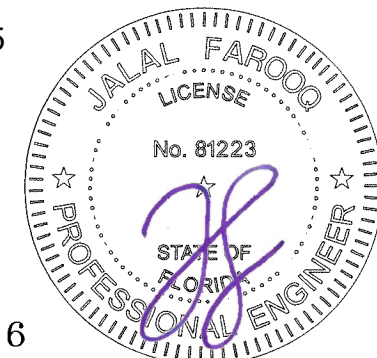
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Calle 2 Tablaje 17439 Int C X 21y
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4 TRACK FRAMES

Sealed: 10/22/2025



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SERIES 120 ALUM SLIDING GLASS DOOR (L.M.I.)

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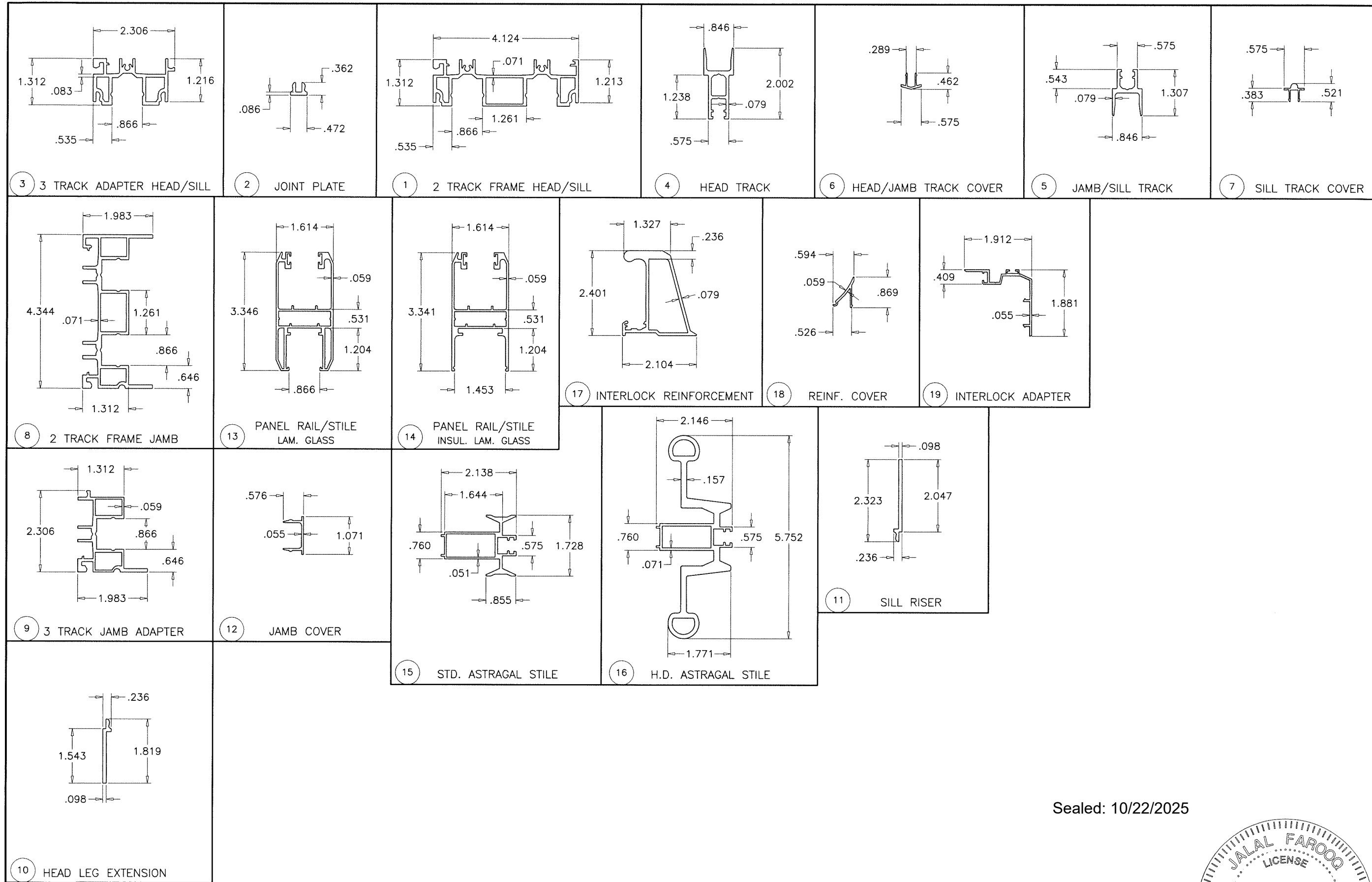
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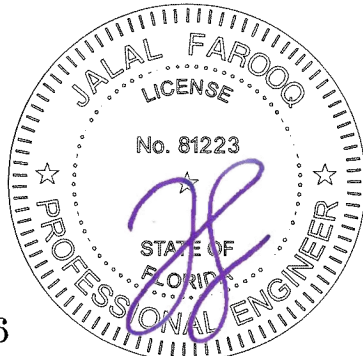
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18-51F

sheet 11.3 of 14



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scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no.
18-51F
sheet 12 of 14

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	DIV-993	2	2 TRACK FRAME HEAD/SILL	6063-T6	-
2	-	2	JOINT PLATE	6063-T6	-
3	DIV-994	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	-
7	-	AS REQD.	SILL TRACK COVER	6063-T5	-
8	DIV-990	2	2 TRACK FRAME JAMB	6063-T6	-
9	DIV-991	2	3 TRACK JAMB ADAPTER	6063-T6	-
10	DIV-950	AS REQD.	HEAD LEG EXTENSION	6063-T5	-
11	73187	1	3-1/4" OVERALL SILL RISER	6063-T5	-
12	DIV-955	AS REQD.	JAMB COVER	6063-T5	-
13	DIV-998	4/ PANEL	PANEL RAIL/STILE (LAM. GLASS)	6063-T5	-
14	DIV-1000	4/ PANEL	PANEL RAIL/STILE (INSUL. LAM. GLASS)	6063-T5	-
15	DIV-999	AS REQD.	STD. ASTRAGAL STILE	6063-T5	-
16	DIV-1005	AS REQD.	H.D. ASTRAGAL STILE	6063-T5	-
17	DIV-987	AS REQD.	INTERLOCK REINFORCEMENT	6063-T5	-
18	DIV-988	AS REQD.	REINFORCEMENT COVER	6063-T5	-
19	DIV-992	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	#10 X 1"	-	REINF. FASTENERS, @ 3" FROM ENDS & 12" O.C.	ST. STEEL	PH SMS
36	-	-	-	-	-

SEALANT:

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

LOCKS:

OPTION #1

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

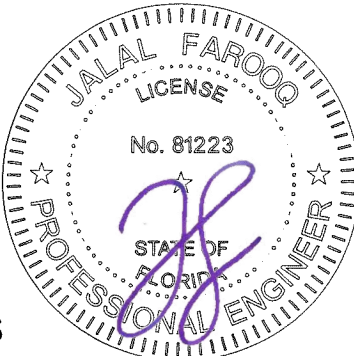
SURFACE MOUNT METALLIC KEEPER FACING LOCK AT 43-1/2" FROM BOTTOM
FASTENED WITH
(2) #10 X 1-1/2" FH SMS

OPTION #2

SURFACE MOUNT METALLIC 2 POINT LOCK WITH ACTIVATING LEVER TYPE HANDLE 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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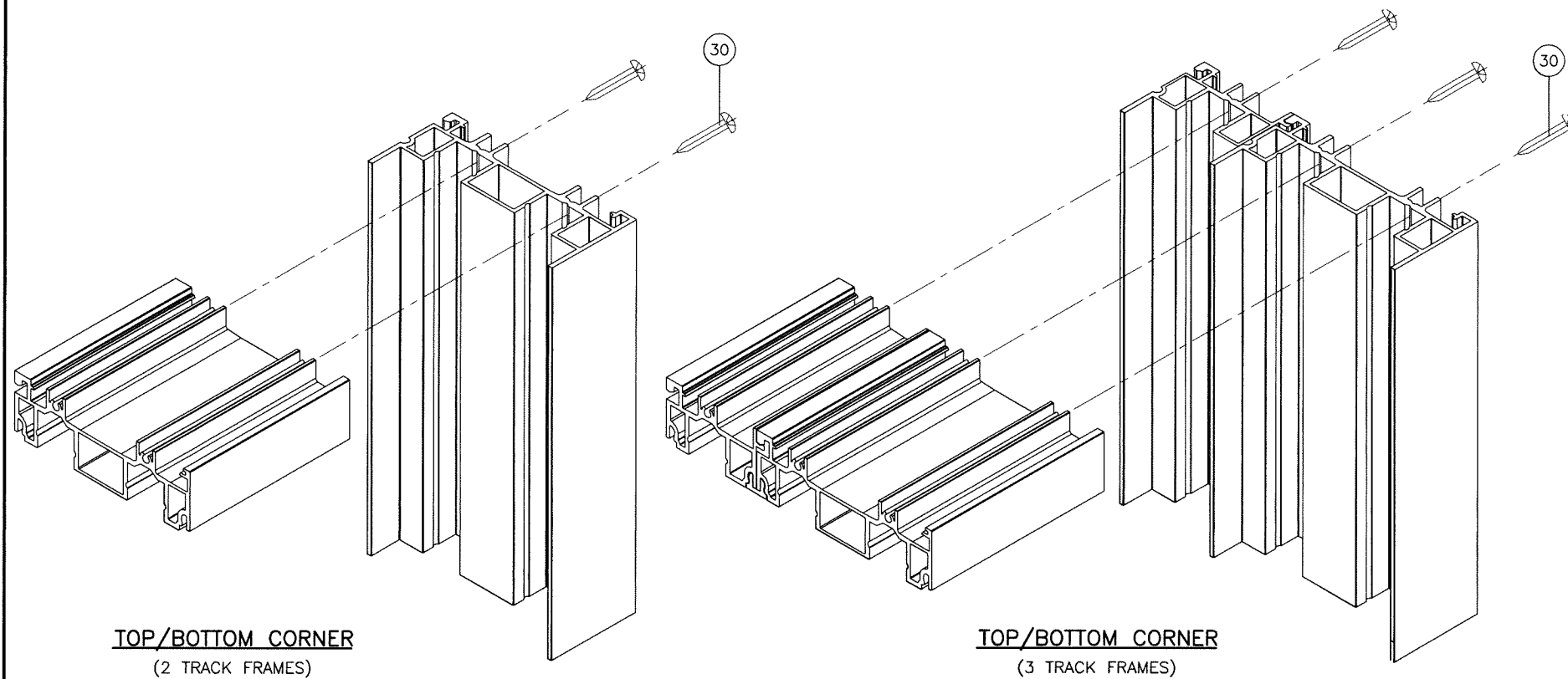
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revisions:

no	date	by	description

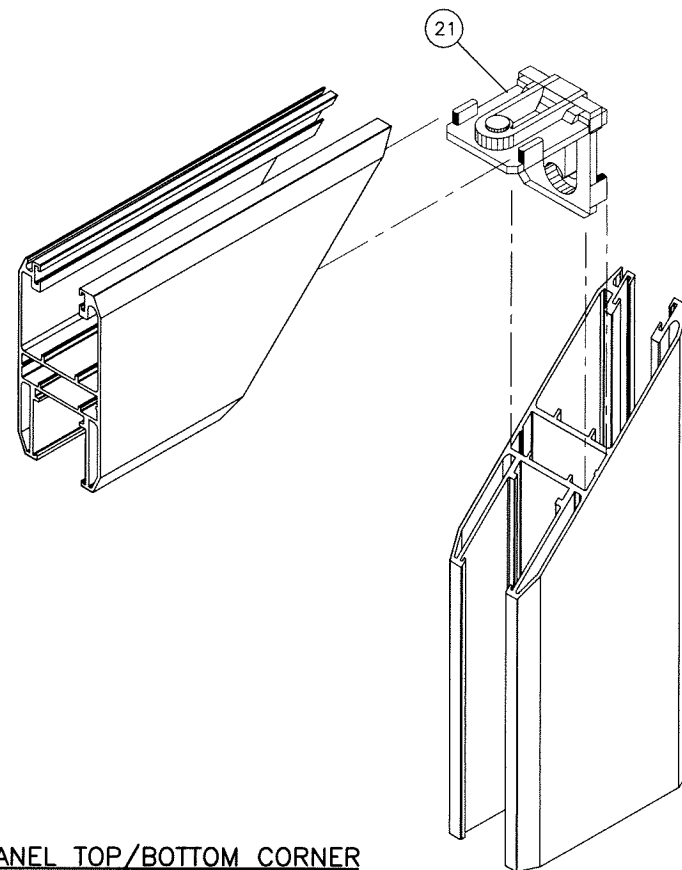
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chk. by:

drawing no.
18-51F
sheet 13 of 14

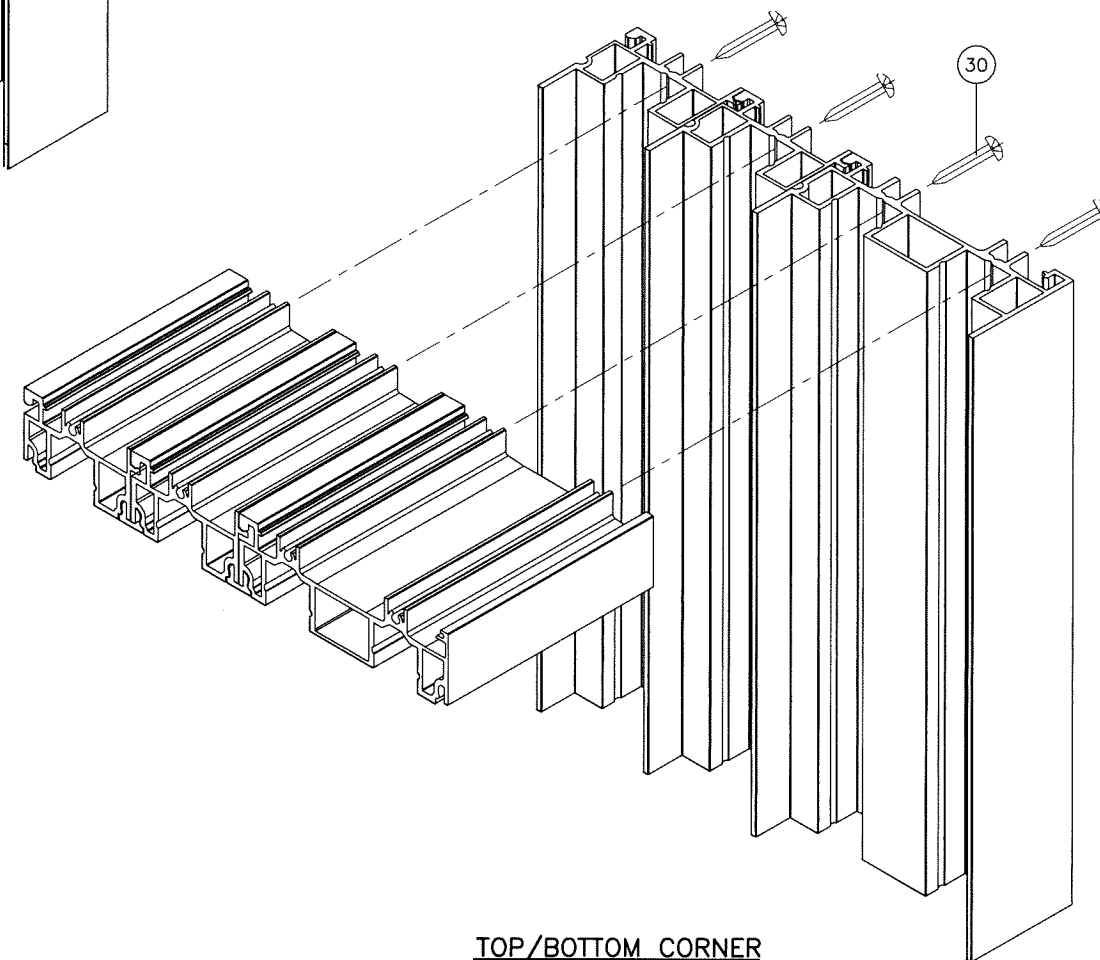


TOP/BOTTOM CORNER
(2 TRACK FRAMES)

TOP/BOTTOM CORNER
(3 TRACK FRAMES)

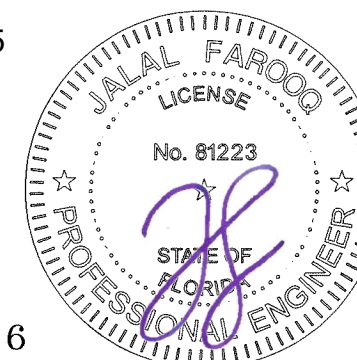


PANEL TOP/BOTTOM CORNER



TOP/BOTTOM CORNER
(4 TRACK FRAMES)

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sheet 14 of 14			