

*** PRODUCTS DEPICTED ARE THE PROPERTY OF SCHUCO USA L.L.L.P
USE OF THIS PRODUCT REQUIRES WRITTEN AUTHORIZATION BY SCHUCO USA L.L.L.P.
TO THE BUILDING DEPARTMENT WHEN APPLYING FOR A PERMIT. ***

DAYLITE OPENINGS WIDTHS:
OPERABLE PANEL WIDTH – 4.937”
FIXED PANEL WIDTH – 2.813”

DAYLITE OPENING HEIGHT:
PANEL HEIGHT – 2.687”

PANEL HEIGHT = DOOR FRAME HEIGHT – 4.062”

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

ASS 39 PD.NI
ALUMINUM SLIDING GLASS DOOR (L.M.I.)

DESIGN LOAD RATING FOR DOORS TO BE AS PER CHARTS SHOWN
ON SHEET 4.

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.

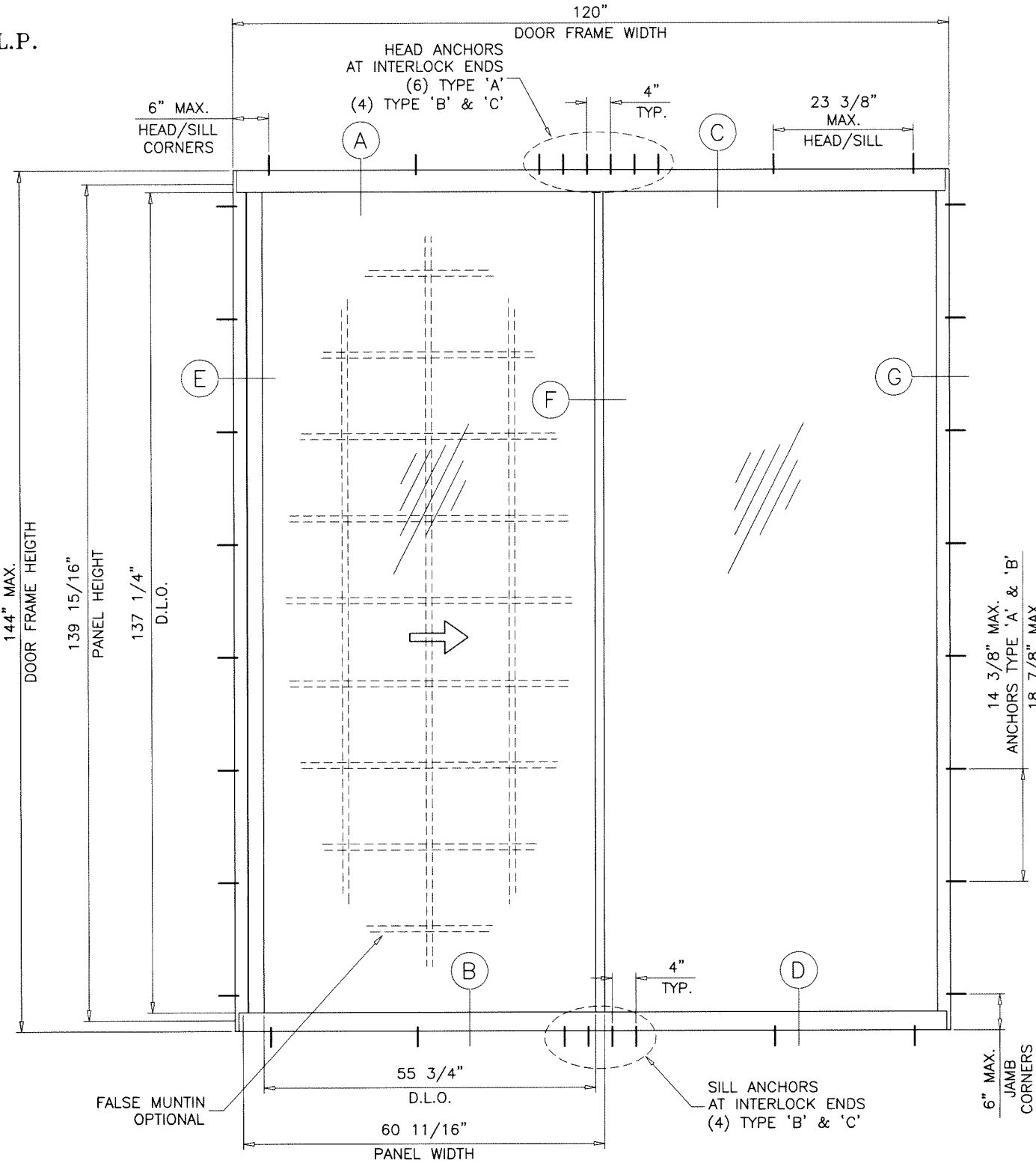
ALL SHIMS TO BE HIGH IMPACT, NON–METALLIC AND NON–COMPRESSIBLE.

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)’.

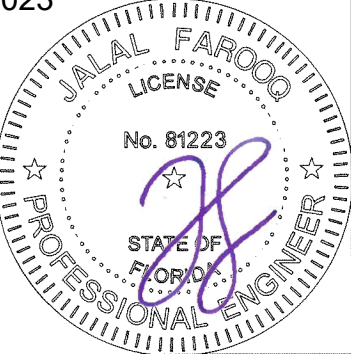
MANUFACTURER’S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION
IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE.
LABELING TO COMPLY WITH SECTION 1709.9.2.



TYPICAL ELEVATION
TESTED UNIT (2 TRACK)

Sealed: 8/10/2023 FL #27938

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.



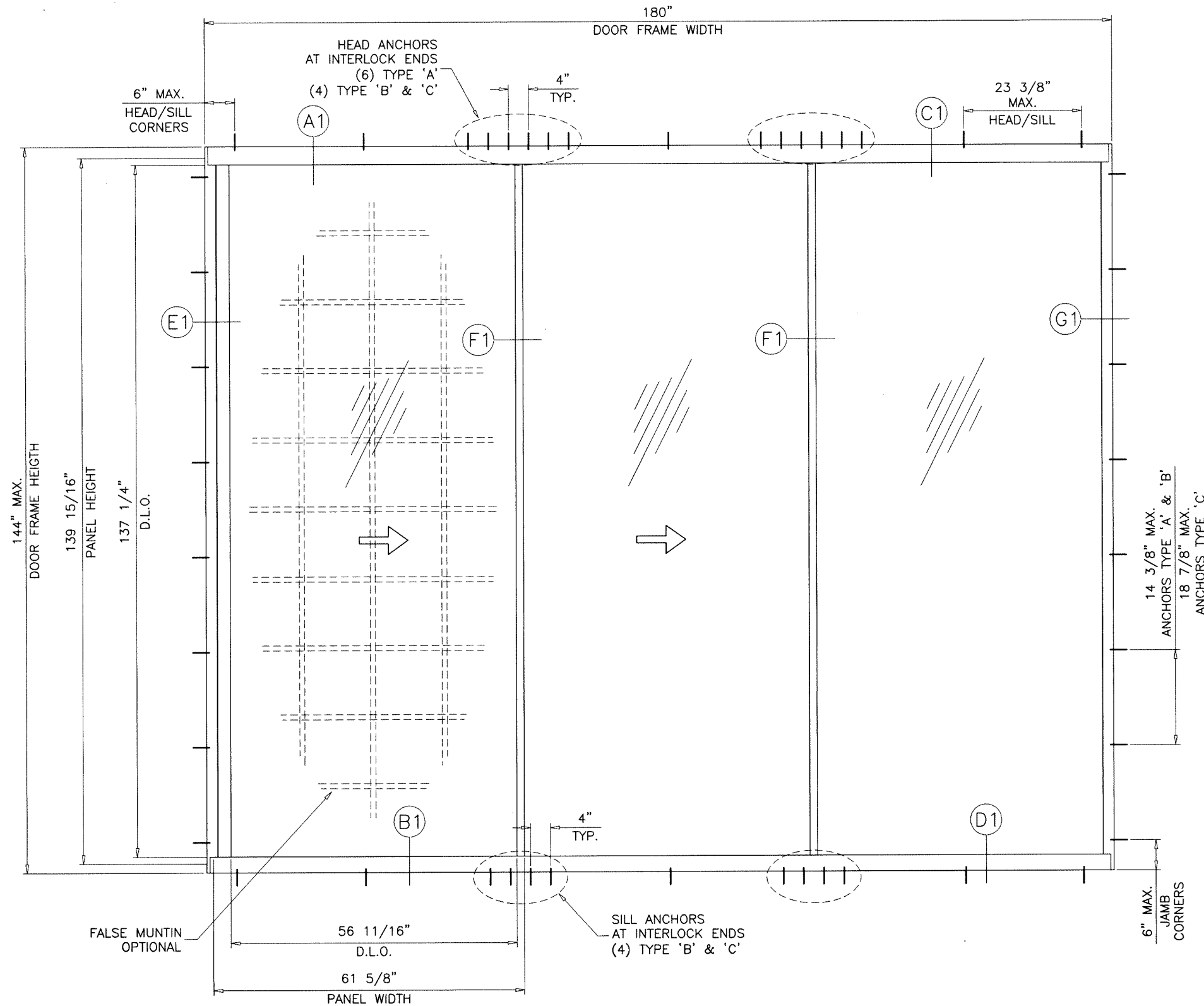
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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\18-74F-SUL

ASS 39 PD.NI ALUM SLIDING GLASS DOOR (L.M.I.)
Schuco USA L.L.L.P.
240 Pane Road
Newington, CT. 06111
Phone: (860) 666-0505 Fax: (860) 616-0188

revisions:	no	date	by	description
	A	11.30.18		3 TRACK ADDED
	B	02.01.19		OXXO OPTION ADDED
	C	05.07.19		MINI INTERLOCK OPTION ADDED
	D	09.08.20		UPDATED TO 2020 FBC
	E	07.06.23		4 TRACK OPTION ADDED

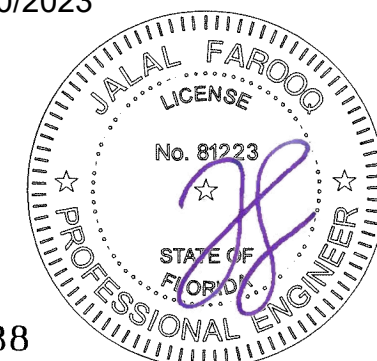
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dr. by: TARIQ
chk. by:

drawing no.
18-74F
sheet 1 of 17



TYPICAL ELEVATION
TESTED UNIT (3 TRACK)

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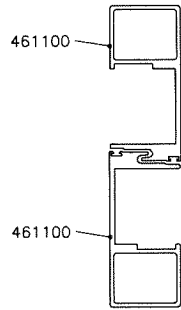
revisions:

no	date	by	description

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scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:

drawing no.
18-74F
sheet 2 of 17

DOOR DESIGN LOAD CAPACITY - PSF MINI INTERLOCKS			
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	GLASS TYPES 'A' & 'Ai'	
		EXT.(+)	INT.(-)
36	84	63.0	70.0
42		63.0	70.0
48		63.0	70.0
54		63.0	70.0
36	96	63.0	70.0
42		63.0	70.0
48		63.0	70.0

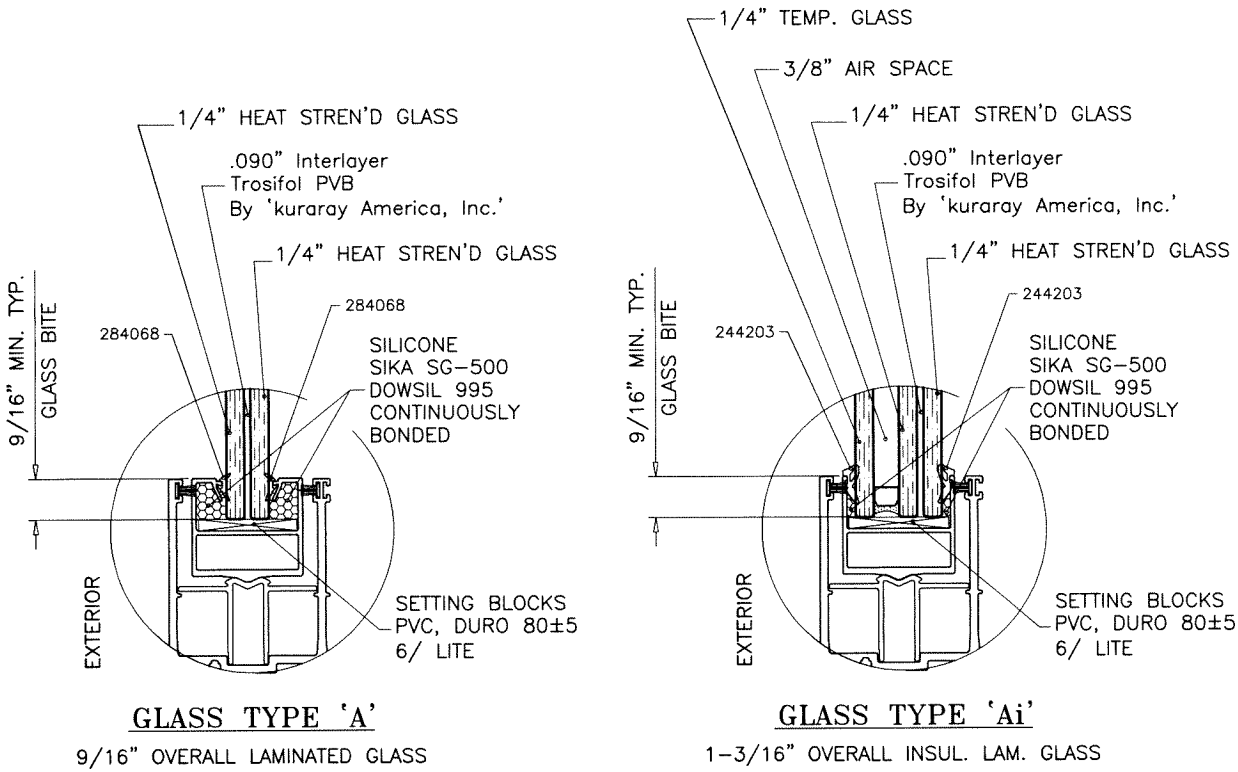


MINI INTERLOCKS

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

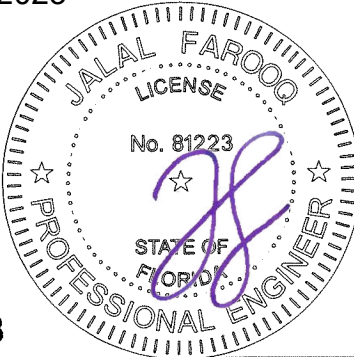
ALTERNATE SIZE UNITS:
MAX. FRAME AREA OF S.G.D. SHALL NOT
EXCEED FRAME AND PANEL AREA OF TESTED UNIT
PER FBC REQUIREMENTS.

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



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

Sealed: 8/10/2023



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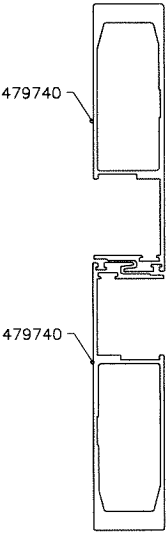
revisions:
no. date by description
1 07-31-18 3/8" = 1" dr. by: TARIO
chk. by:
drawing no.
18-74F
sheet **4** of **17**

DOOR DESIGN LOAD CAPACITY - PSF STANDARD INTERLOCKS					
AVERAGE PANEL WIDTH INCHES	DOOR FRAME HEIGHT INCHES	GLASS TYPES 'B' & 'Bi'		GLASS TYPES 'C' & 'Ci'	
		EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
36	108	63.0	70.0	63.0	70.0
42		63.0	70.0	63.0	70.0
48		63.0	70.0	63.0	70.0
54		63.0	70.0	63.0	70.0
60		63.0	70.0	63.0	70.0
66		63.0	70.0	63.0	70.0
72		63.0	70.0	63.0	70.0
78		-	-	63.0	70.0
36	114	63.0	70.0	63.0	70.0
42		63.0	70.0	63.0	70.0
48		63.0	70.0	63.0	70.0
54		63.0	70.0	63.0	70.0
60		63.0	70.0	63.0	70.0
66		63.0	70.0	63.0	70.0
72		-	-	63.0	70.0
36	120	63.0	70.0	63.0	70.0
42		63.0	70.0	63.0	70.0
48		63.0	70.0	63.0	70.0
54		63.0	70.0	63.0	70.0
60		63.0	70.0	63.0	70.0
66		63.0	70.0	63.0	70.0
72		-	-	63.0	67.9
36	126	63.0	70.0	63.0	70.0
42		63.0	70.0	63.0	70.0
48		63.0	70.0	63.0	70.0
54		63.0	70.0	63.0	70.0
60		63.0	70.0	63.0	70.0
66		-	-	63.0	66.9
36	132	63.0	70.0	63.0	70.0
42		63.0	70.0	63.0	70.0
48		63.0	70.0	63.0	70.0
54		63.0	70.0	63.0	70.0
60		63.0	70.0	63.0	70.0
66		-	-	63.0	67.1
36	138	63.0	70.0	63.0	70.0
42		63.0	70.0	63.0	70.0
48		63.0	70.0	63.0	70.0
54		63.0	70.0	63.0	70.0
60		63.0	68.5	63.0	68.5
66		-	-	63.0	63.3
36	144	63.0	70.0	63.0	70.0
42		63.0	70.0	63.0	70.0
48		63.0	70.0	63.0	70.0
54		63.0	65.0	63.0	65.0
60		-	-	60.0	60.0

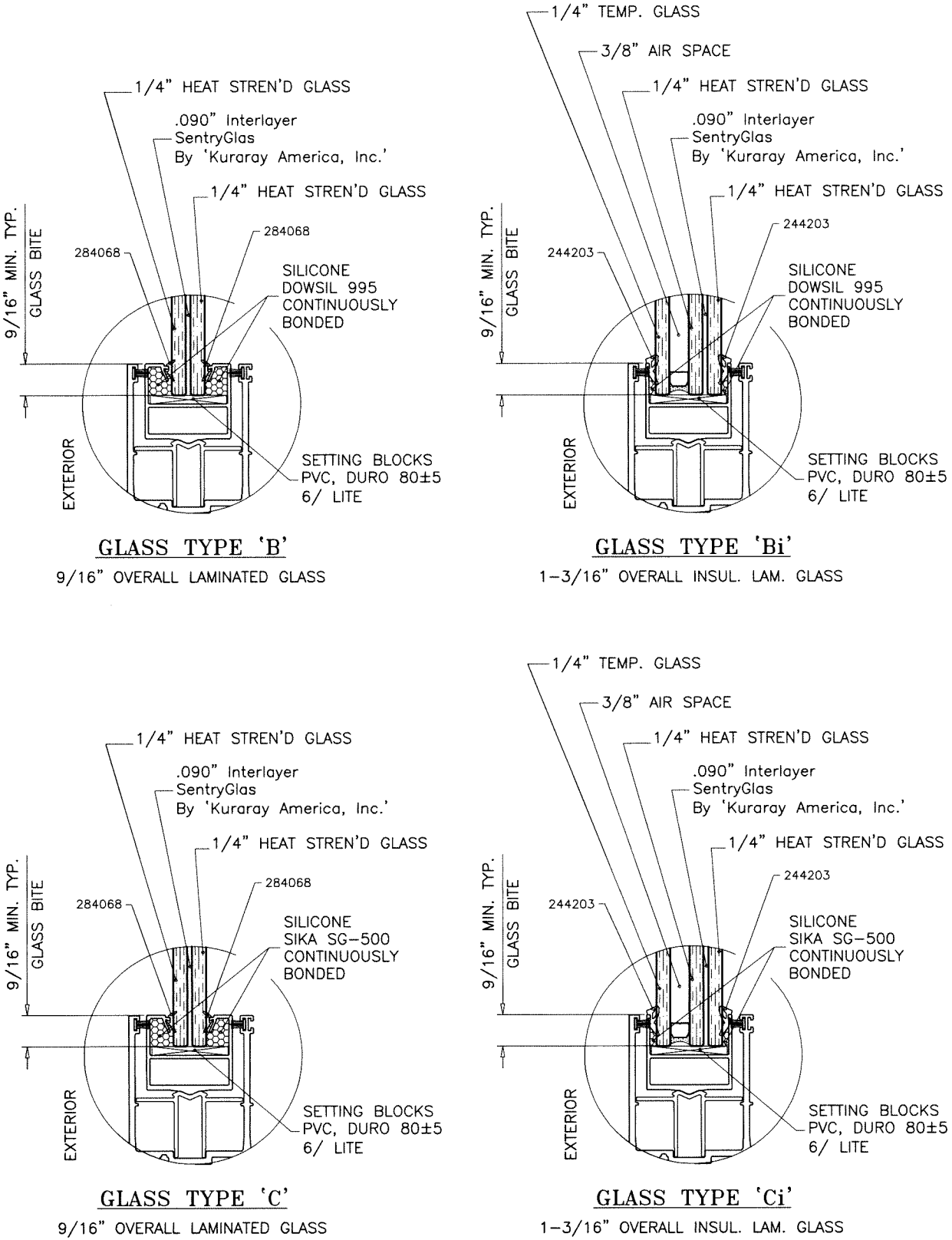
AVERAGE PANEL WIDTH = $\frac{\text{DOOR FRAME WIDTH}}{\text{NUMBER OF PANELS}}$

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

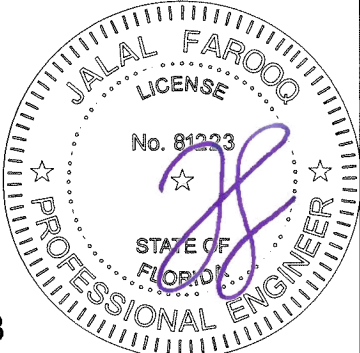


STANDARD INTERLOCKS



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

FL #27938



Sealed: 8/10/2023

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COMP-ANL\18-74F-SUL

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revisions:	no	date	by	description

date: 07-31-18

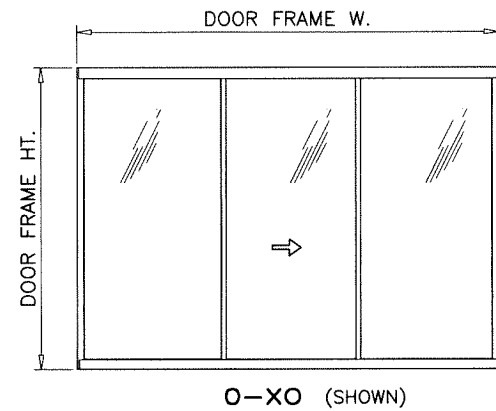
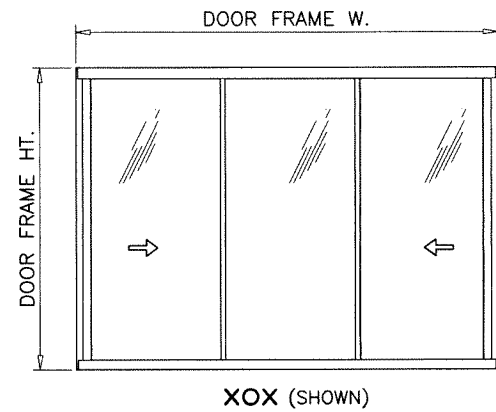
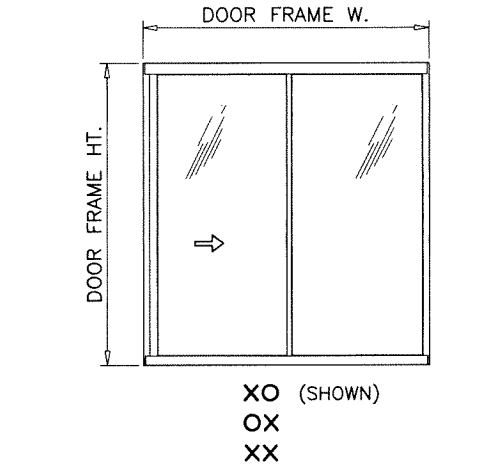
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dr. by: TARIQ

chk. by:

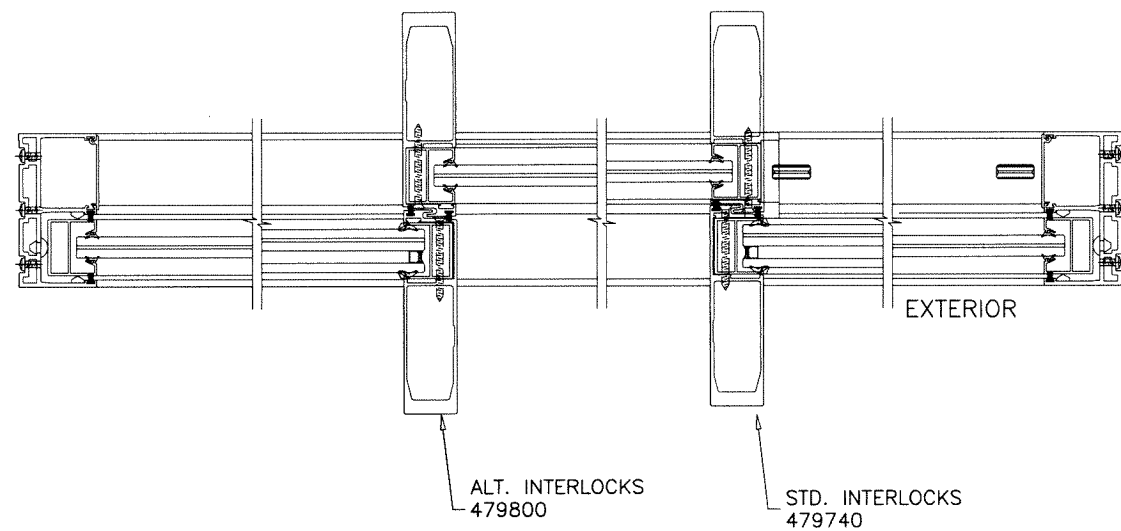
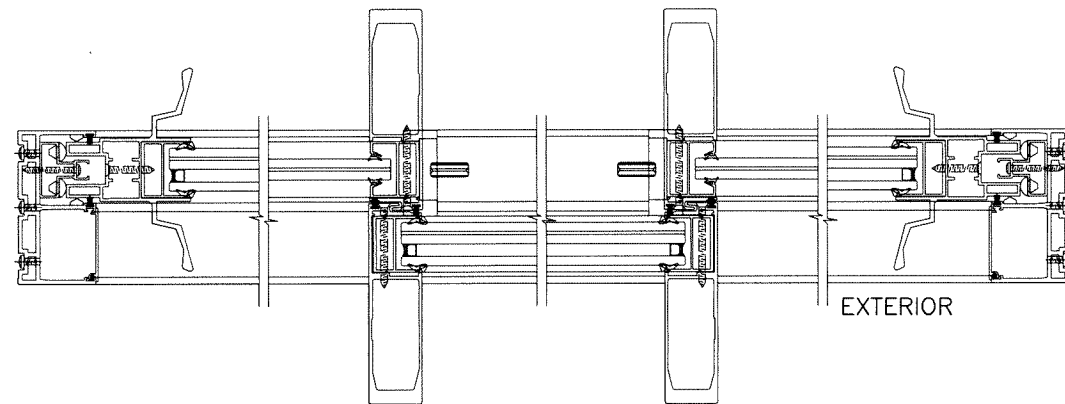
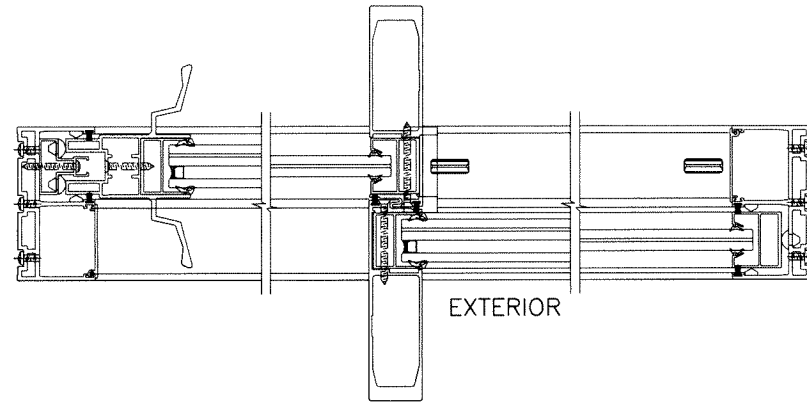
drawing no.
18-74F

sheet **4.1** of **17**



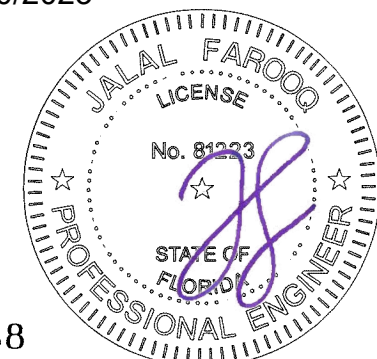
**APPROVED CONFIGURATIONS
TWO (2) TRACKS**

DOOR CONFIGURATIONS SHOWN FOR STANDARD INTERLOCKS
APPLICABLE TO MINI INTERLOCKS ALSO.



MINI INTERLOCK NOT APPLICABLE FOR O-XO CONFIGURATION

Sealed: 8/10/2023



FL #27938

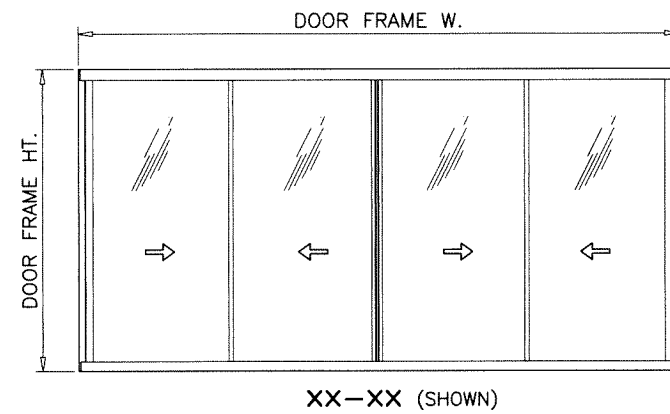
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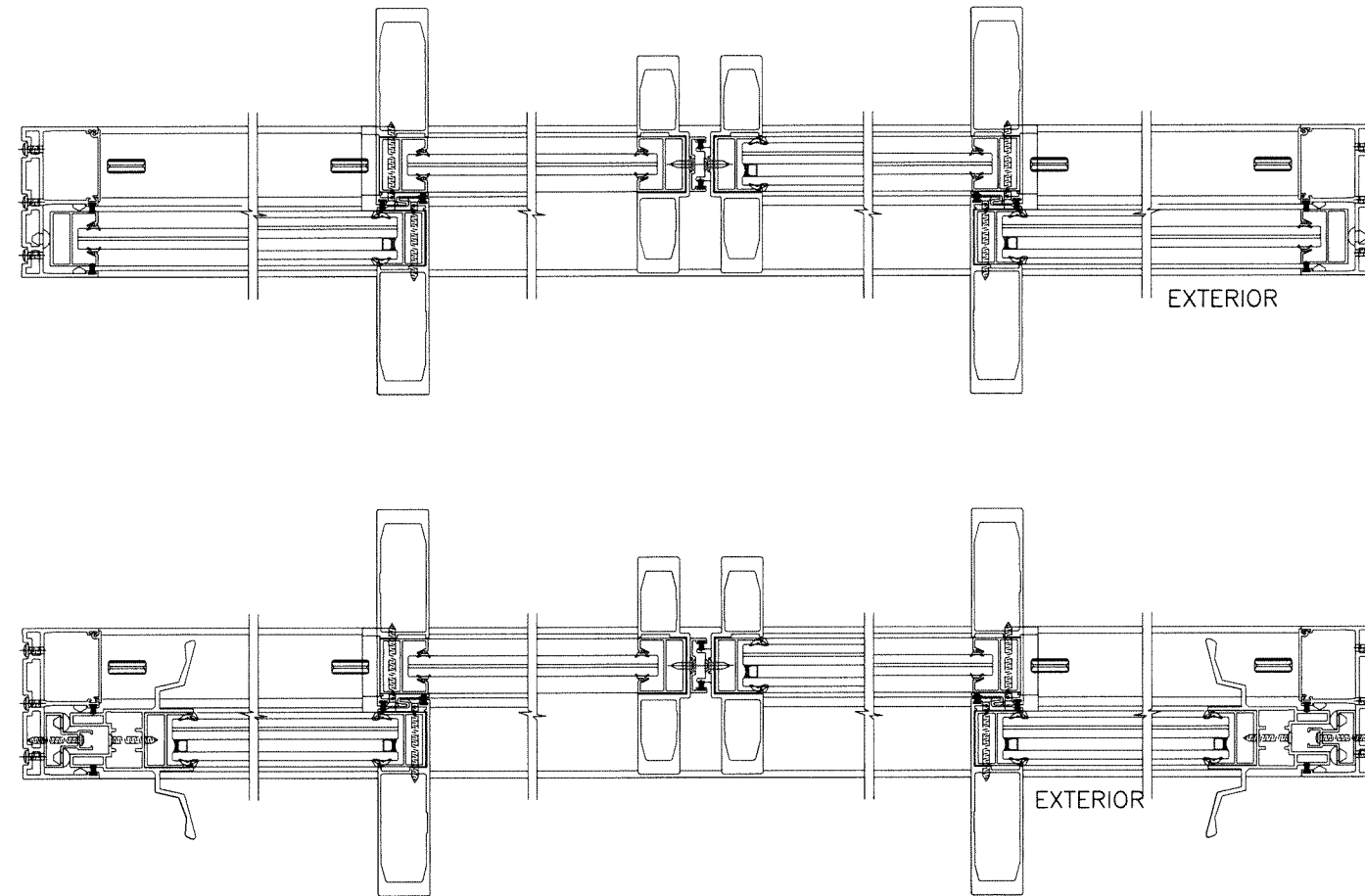
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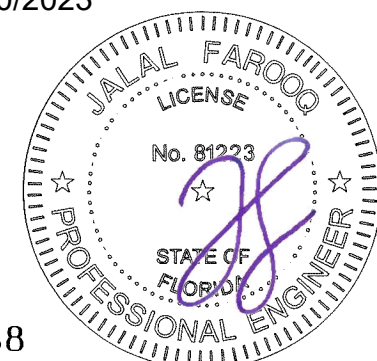
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drawing no.	18-74F	sheet	5 of 17



DOOR CONFIGURATIONS SHOWN FOR STANDARD INTERLOCKS
APPLICABLE TO MINI INTERLOCKS ALSO.



FL #27938

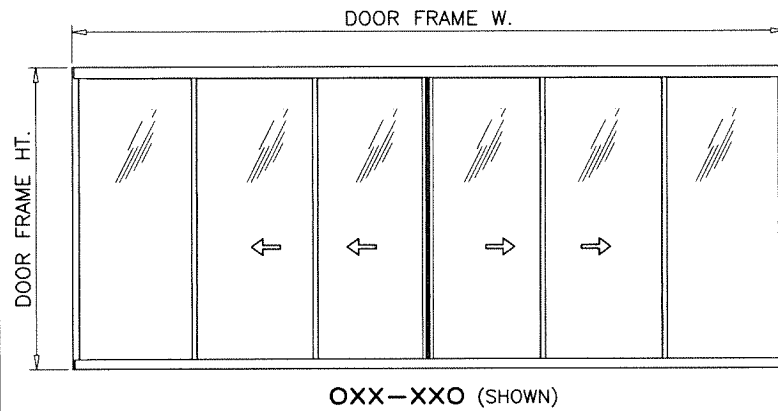


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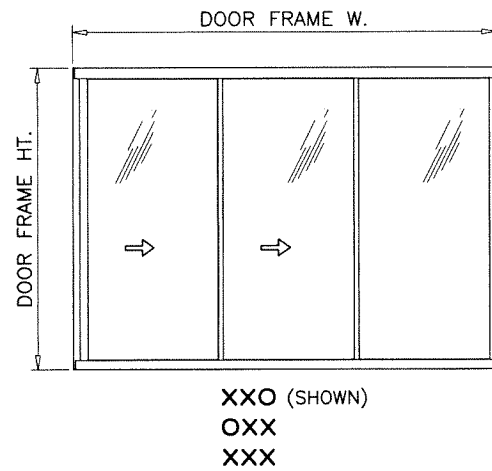
Fax: (860) 616-0188

COMP-ANL\18-74F-SUL

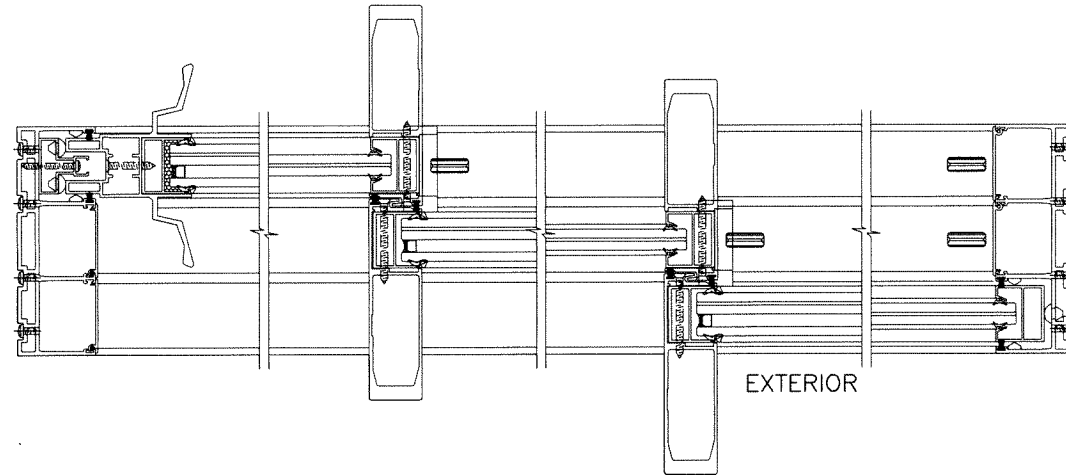
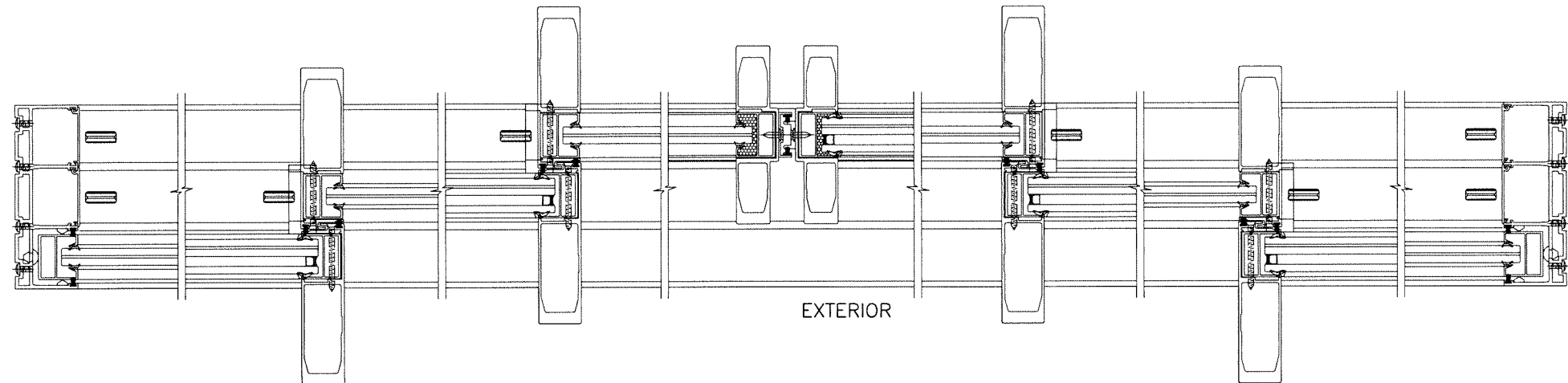


APPROVED CONFIGURATIONS
THREE (3) TRACKS

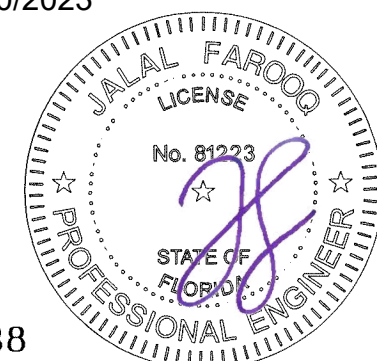
DOOR CONFIGURATIONS SHOWN FOR STANDARD INTERLOCKS
APPLICABLE TO MINI INTERLOCKS ALSO.



XXO (SHOWN)
OXX
XXX



Sealed: 8/10/2023



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ASS 39 PD.NI ALUM SLIDING GLASS DOOR (L.M.I.)

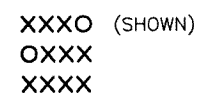
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revisions:		date:		by description	
no	date	no	date	no	date

date: 07-31-18	scale: -	dr. by: TARIQ	chk. by:	drawing no.	sheet 7 of 17
				18-74F	

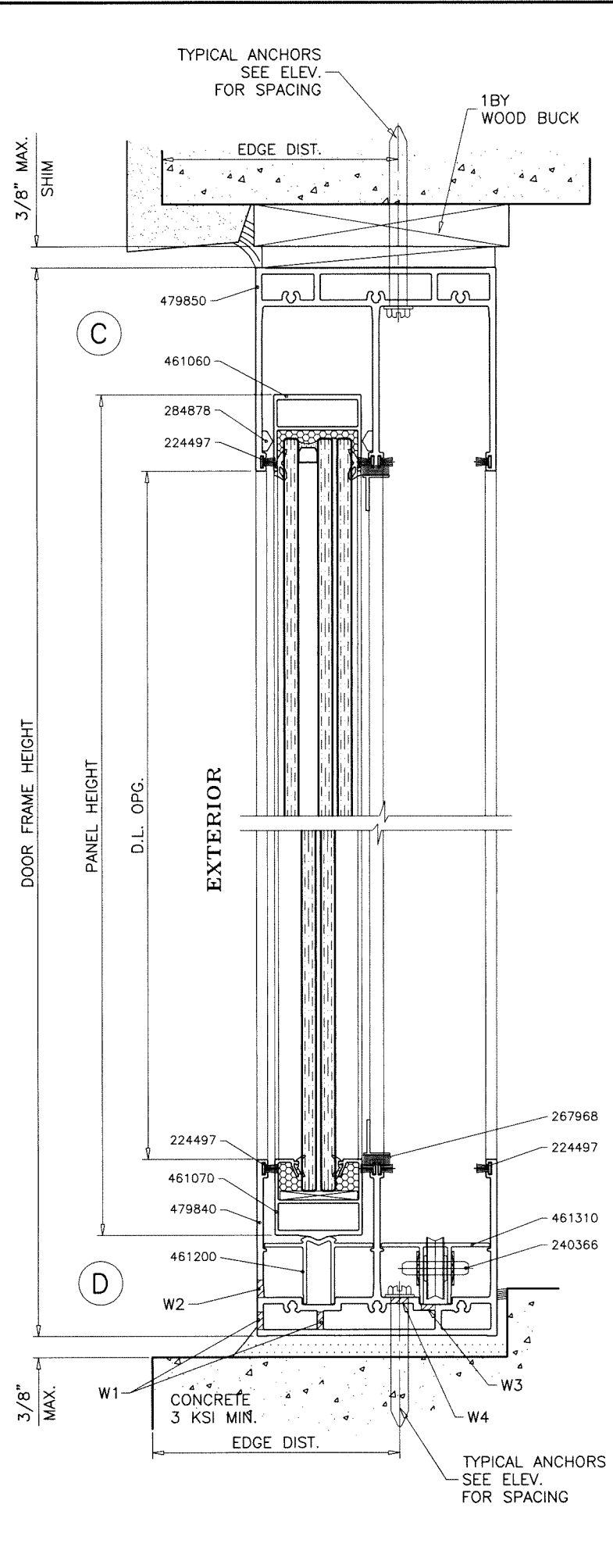
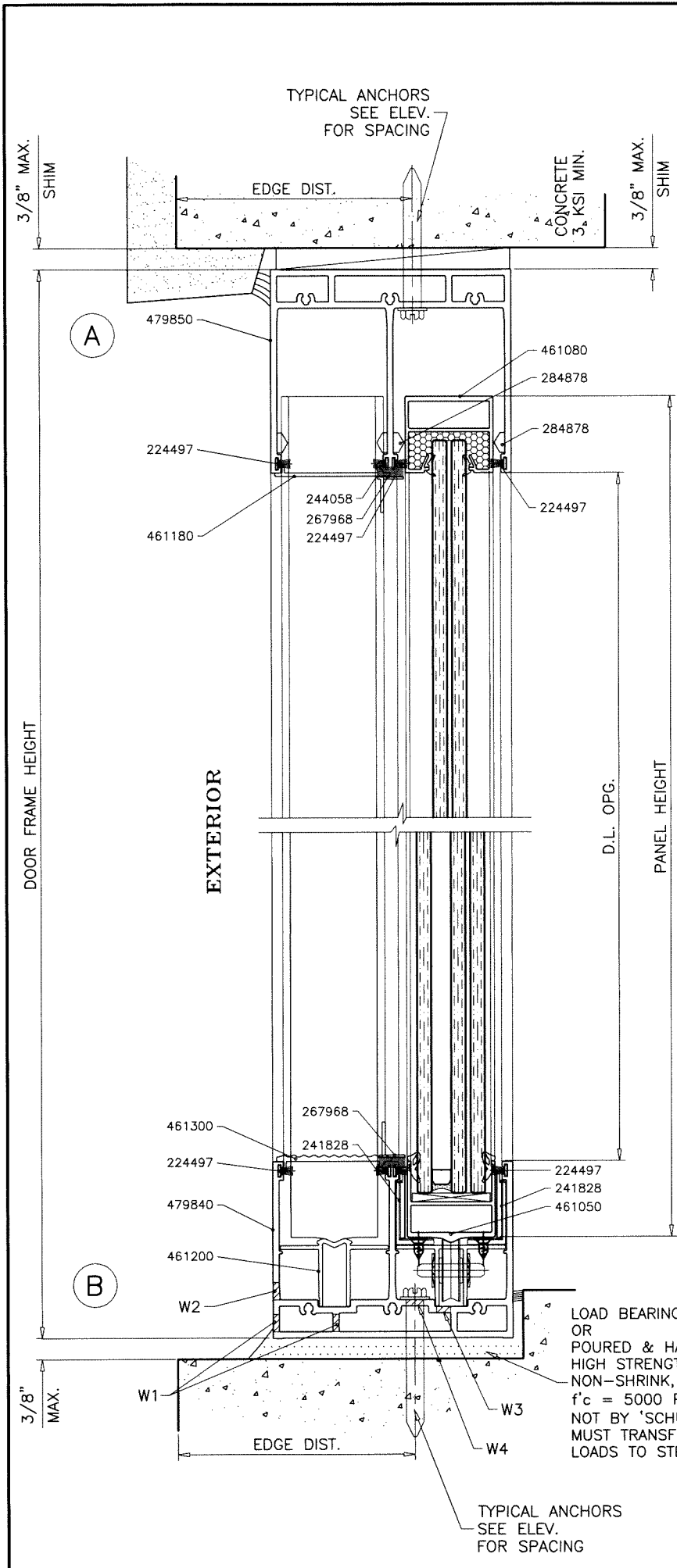


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chk. by:			

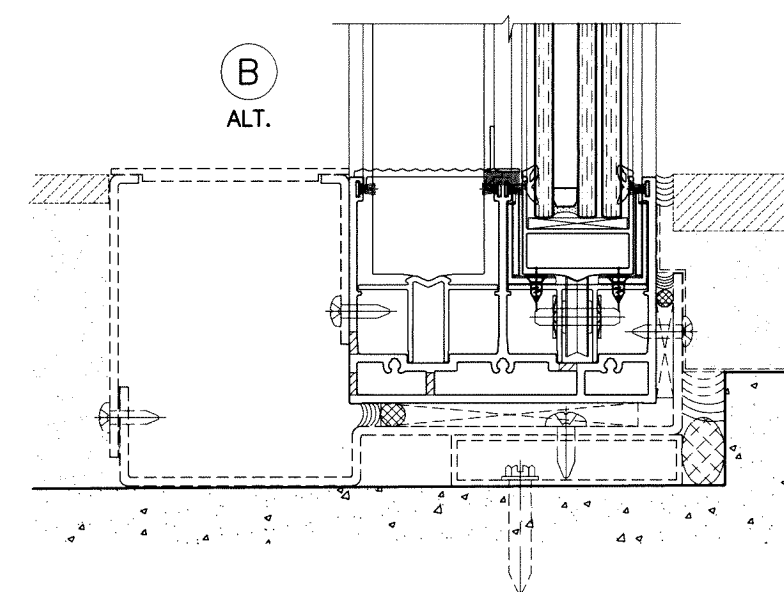
drawing no. 18-74F

sheet 7.1 of 17



WEEPHOLES:

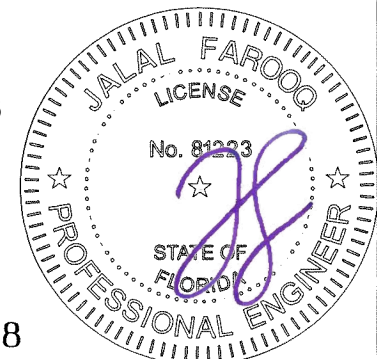
- W1 = 5/16" DIA. WEEP HOLES IN CLUSTERS OF 3 SPACED TOGETHER 1/2" APART. CLUSTERS LOCATED AT 4" FROM EACH END AND 8" TO THE LEFT AND RIGHT OF CENTERLINE.
- W2 = 5/16" DIA. WEEP HOLES IN CLUSTERS OF 3 SPACED TOGETHER 1/2" APART. CLUSTERS LOCATED AT 26" FROM EACH END AND 22" O.C.
- W3 = 1/4" DIA. WEEP HOLES IN CLUSTERS OF 3 SPACED TOGETHER 1/2" APART. CLUSTERS LOCATED AT 8" FROM EACH END AND 34-5/16" O.C.
- W4 = 5/16" DIA. WEEP HOLES IN CLUSTERS OF 3 SPACED TOGETHER 1/2" APART. CLUSTERS LOCATED AT 8" FROM EACH END AND 34-5/16" O.C.



NOT PART OF THIS APPROVAL
DRAINAGE TO BE DESIGNED SEPARATELY
FOR WATER INFILTRATION RESISTANCE

2 TRACK FRAMES

Sealed: 8/10/2023



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revisions:	
no	by description

date: 07-31-18	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:	drawing no. 18-74F
				sheet 8 of 17

1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'SCHUCO'
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

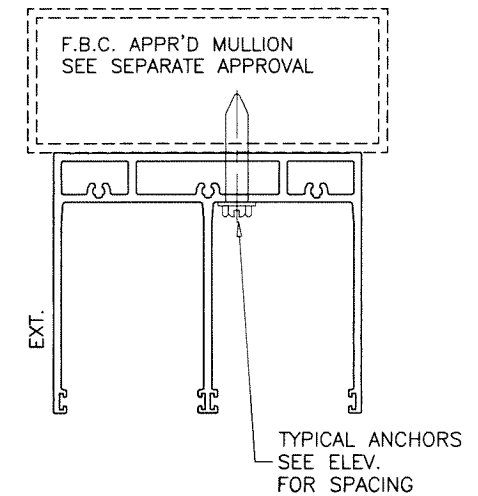
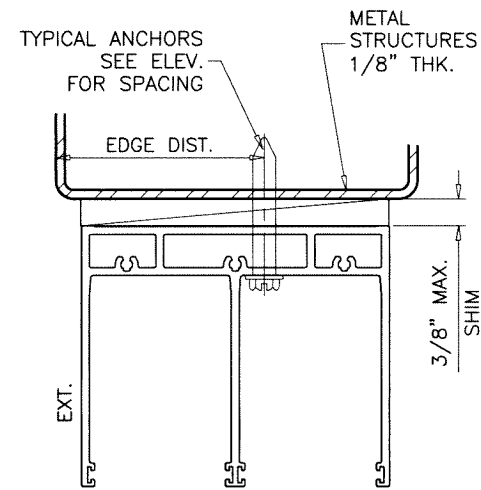
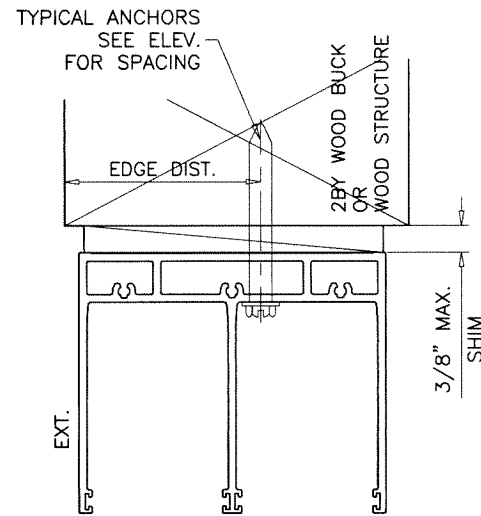
TYPICAL ANCHORS: SEE ELEV. FOR SPACING

- TYPE 'A' - 5/16" DIA. ULTRACON BY 'DEWALT' ($F_u=177$ KSI, $F_y=155$ 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)
- TYPE 'B' - 5/16" DIA. ULTRACON BY 'DEWALT' ($F_u=177$ KSI, $F_y=155$ KSI)
DIRECTLY INTO CONCRETE OR BLOCKS
1-1/2" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)
- TYPE 'C' - 5/16" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 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

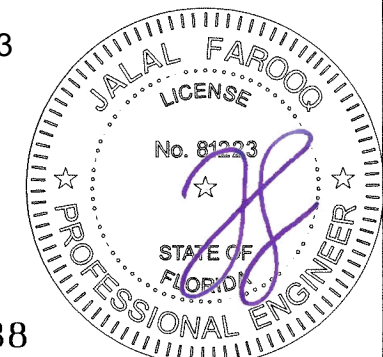
INTO CONCRETE AND BLOCKS = 3-1/8" MIN.
INTO WOOD STRUCTURE = 1-1/4" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

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.



2 TRACK FRAMES

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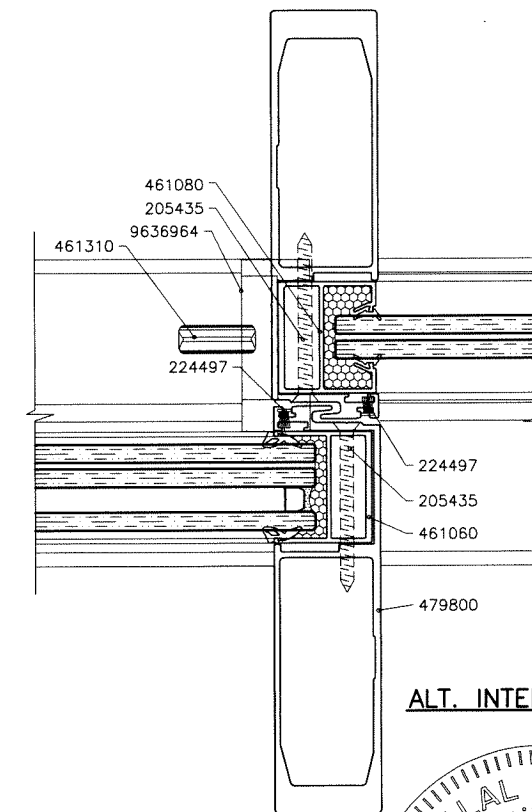
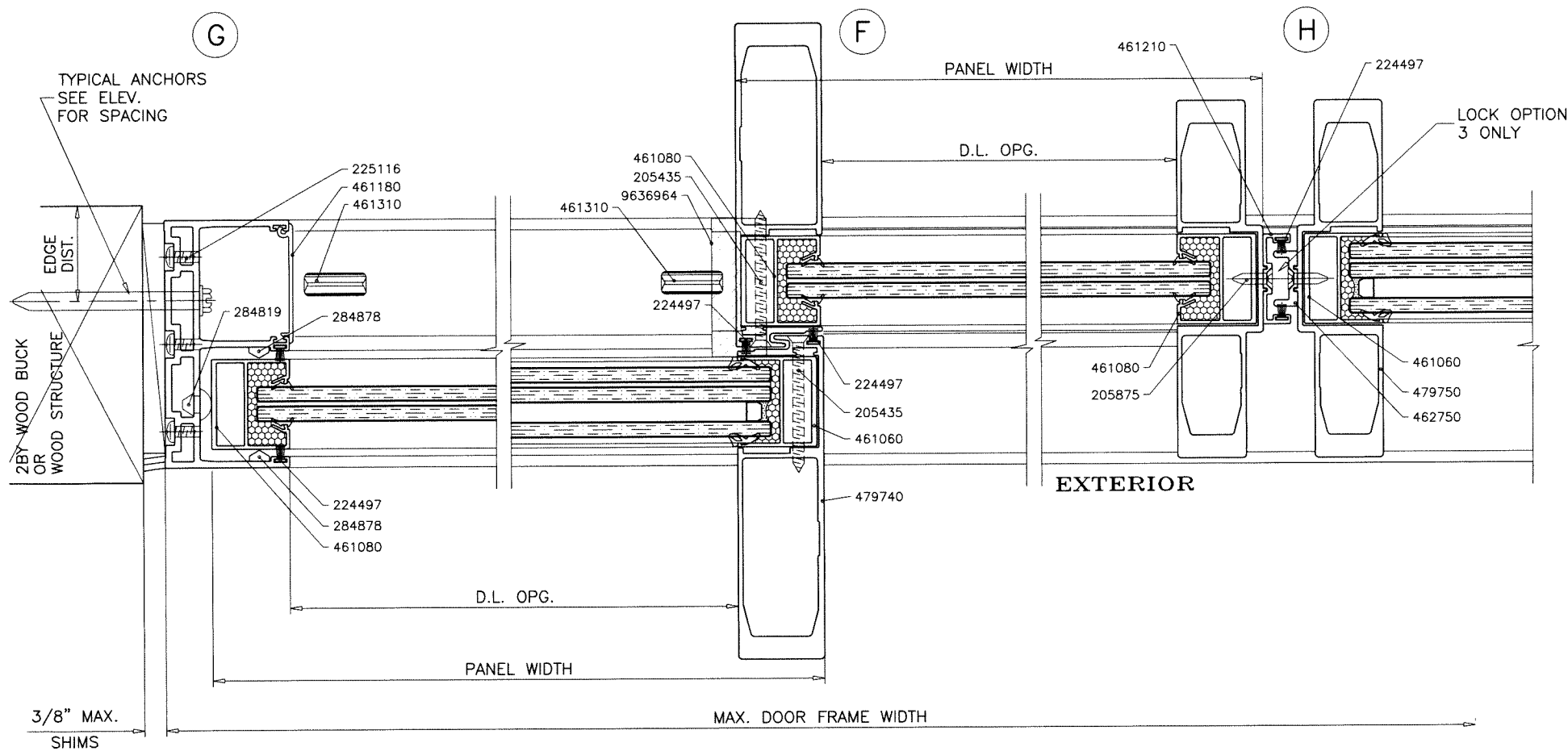
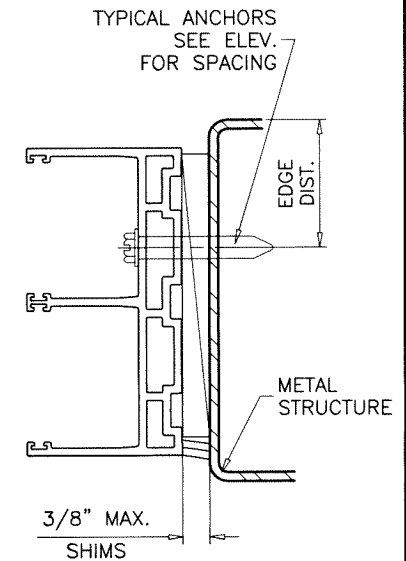
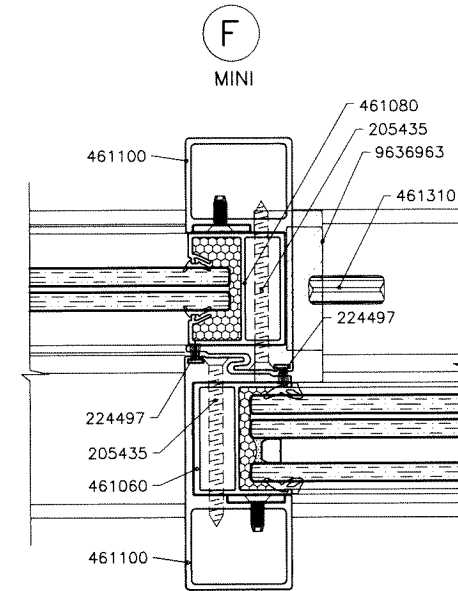
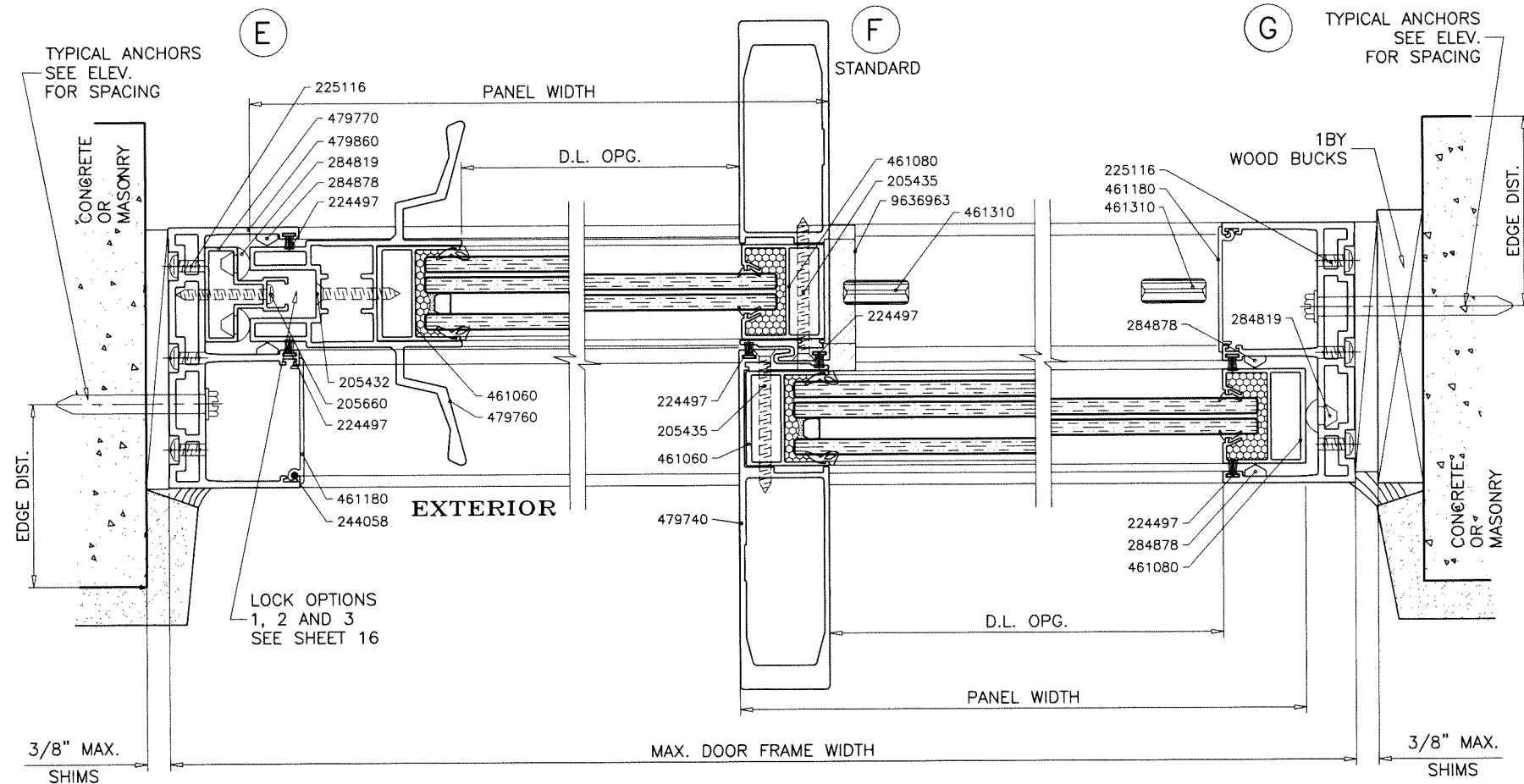


FL #27938

ASS 39 PD.NI ALUM SLIDING GLASS DOOR (L.M.I.)
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240 Pane Road
Newington, CT. 06111
Phone: (860) 666-0505 Fax: (860) 616-0188

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)
COMP-ANL\18-74F-SUL

revisions:		no date by description	
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dr. by:	TARIQ	chk. by:	
drawing no.	18-74F	sheet	9 of 17

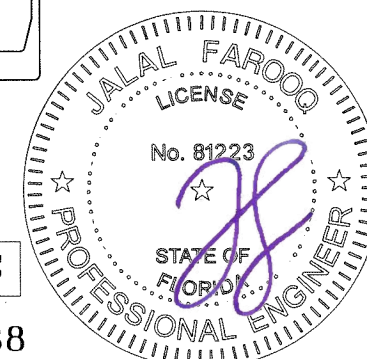


ALT. INTERLOCK STILE

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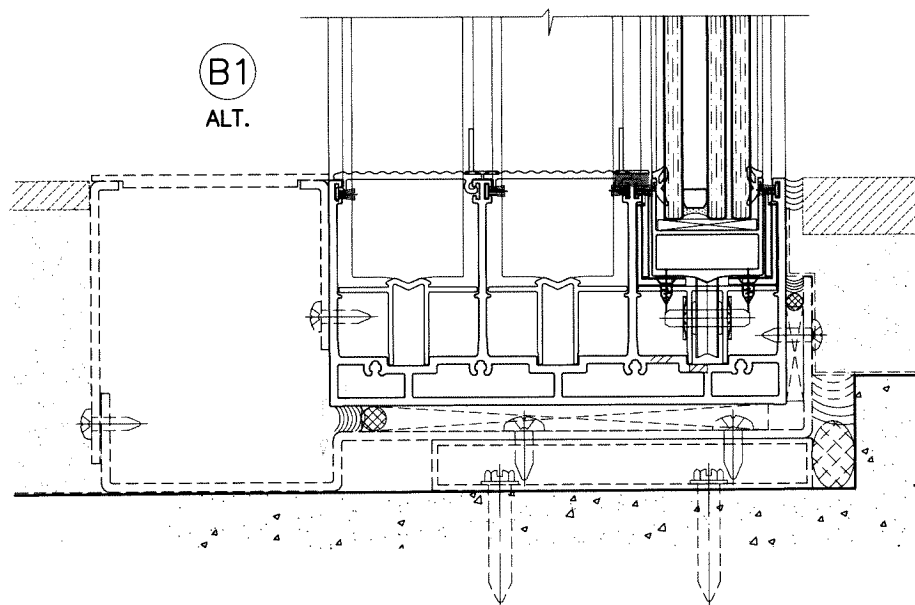
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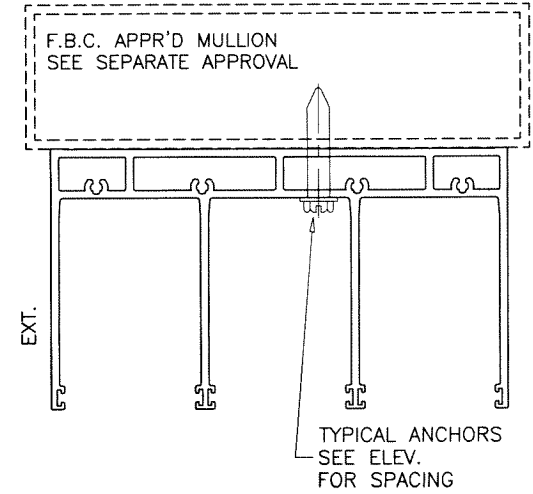
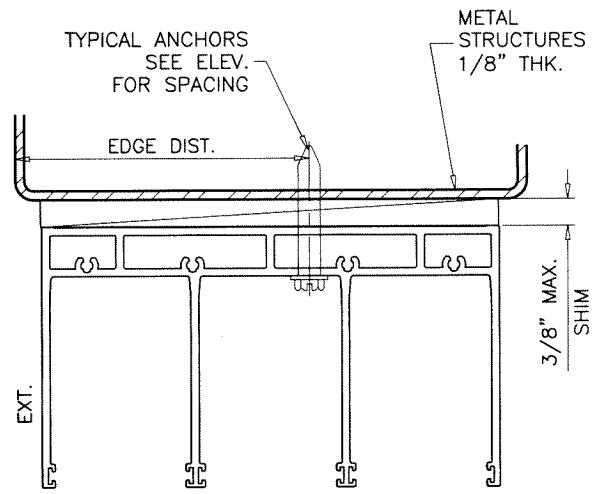
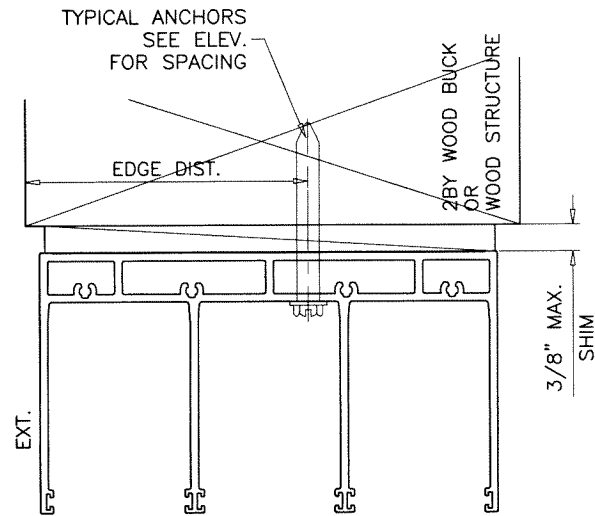
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chk. by:

drawing no.
18-74F
sheet 10 of 17

COMP-ANL\18-74F-SUL

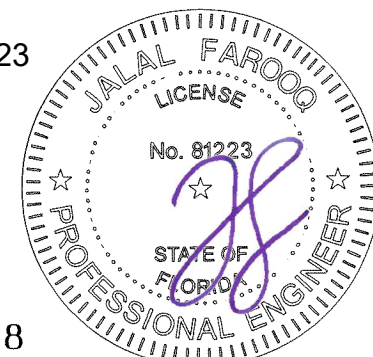


NOT PART OF THIS APPROVAL
DRAINAGE TO BE DESIGNED SEPARATELY
FOR WATER INFILTRATION RESISTANCE



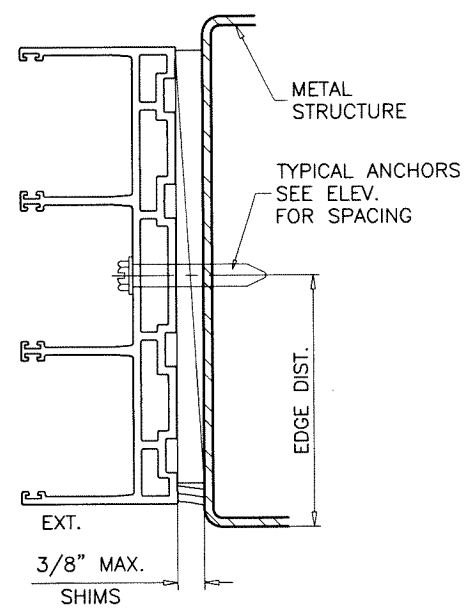
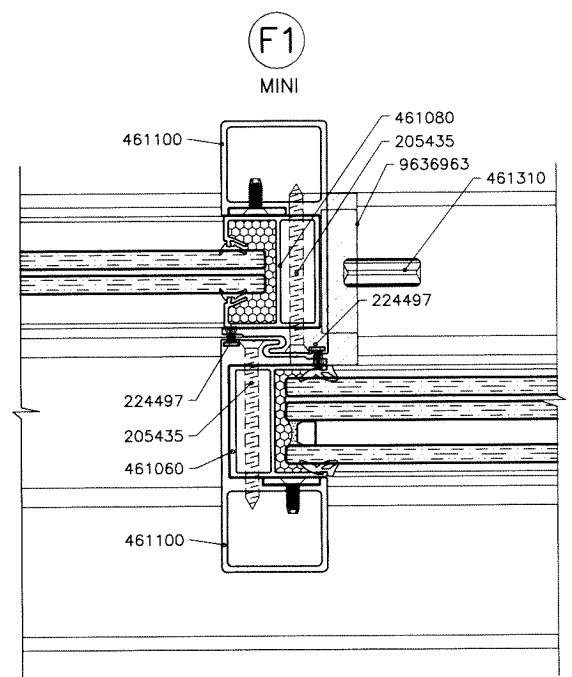
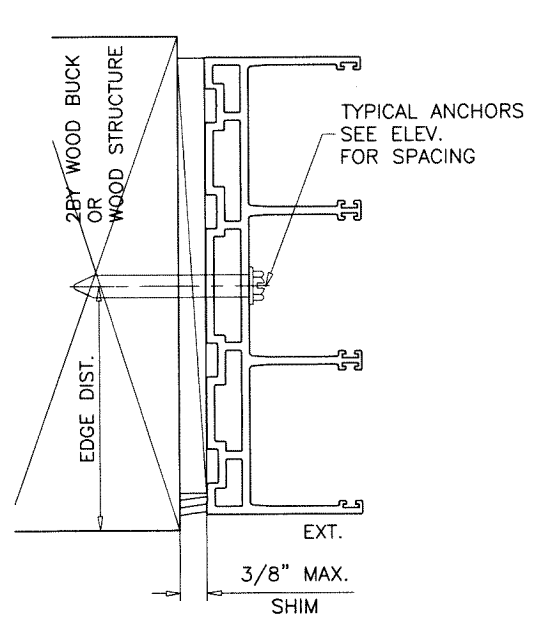
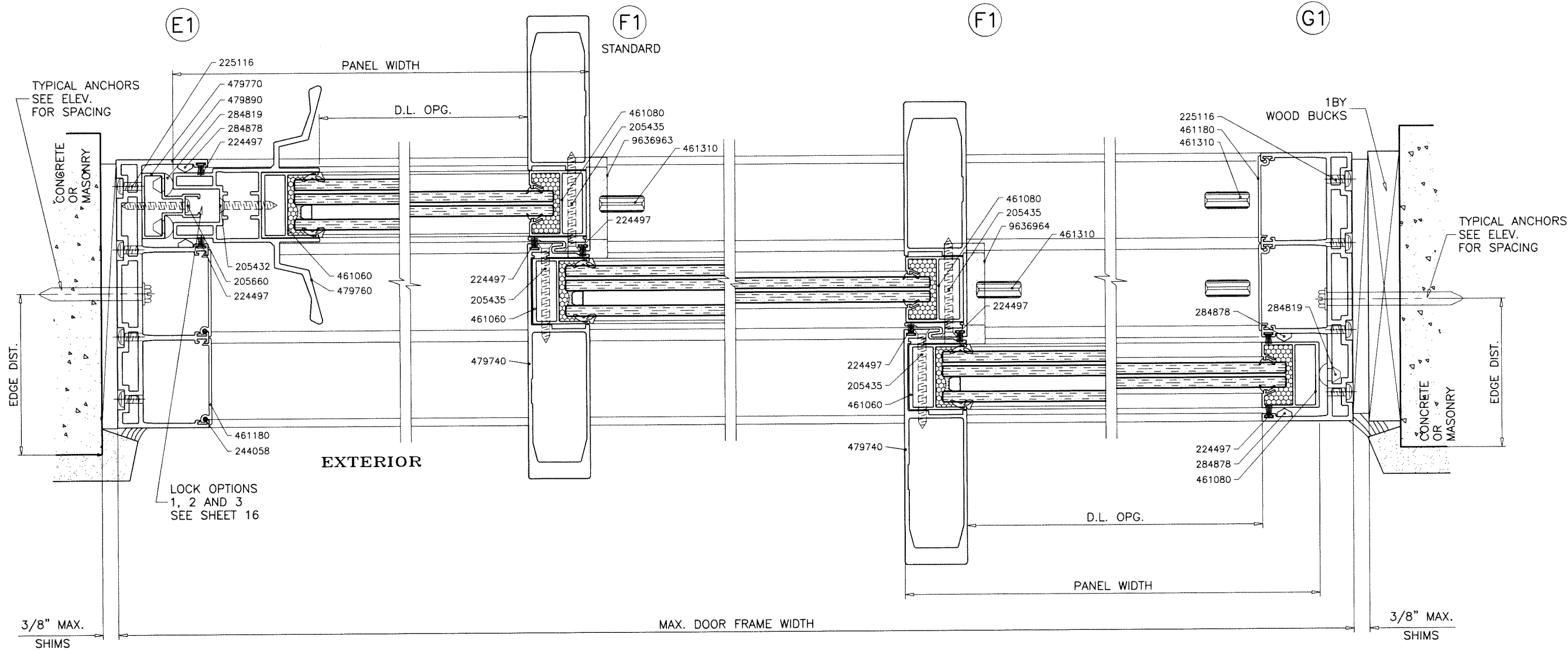
3 TRACK FRAMES

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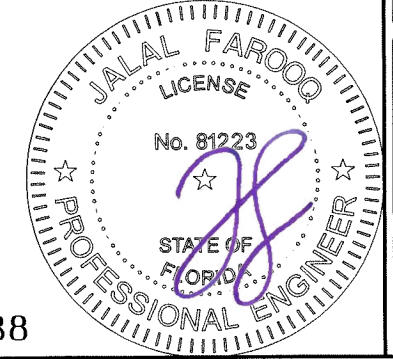


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ASS 39 PD.NI ALUM SLIDING GLASS DOOR (L.M.I.)		
Schuco USA L.L.P. 240 Pane Road Newington, CT. 06111 Phone: (860) 666-0505 Fax: (860) 616-0188		
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drawing no. 18-74F		sheet 12 of 17



3 TRACK FRAMES



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COMP-ANL \ 18-74F-SUL

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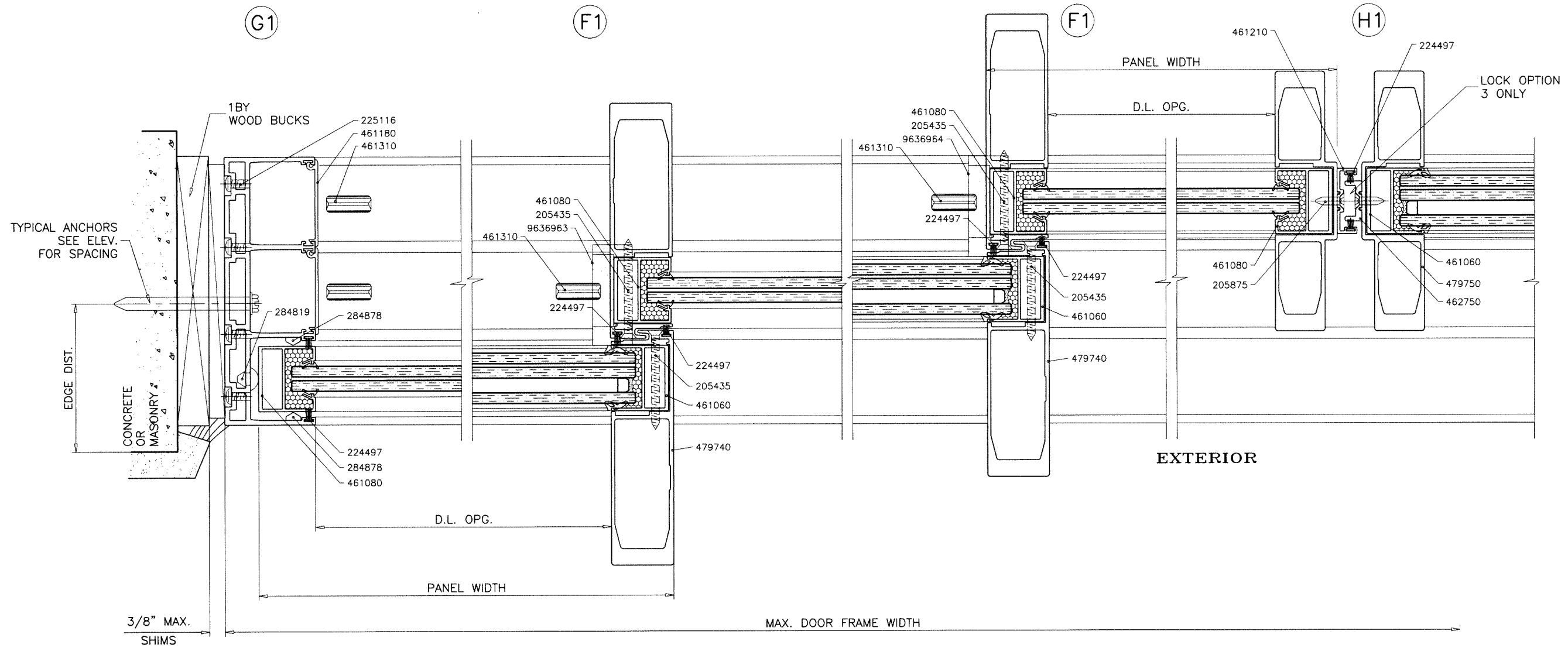
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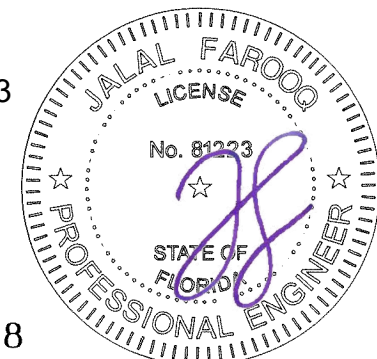
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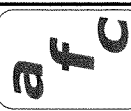


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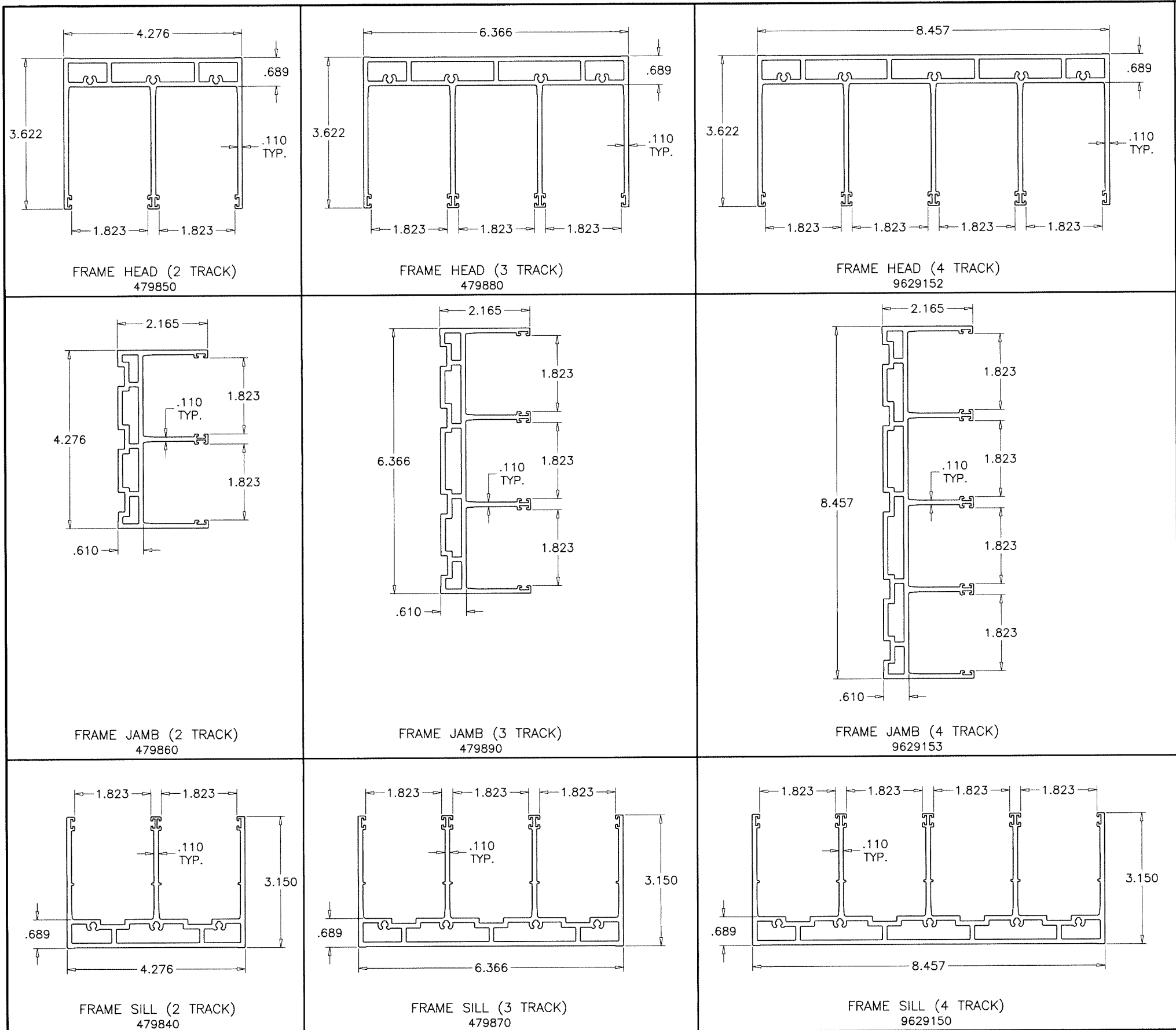
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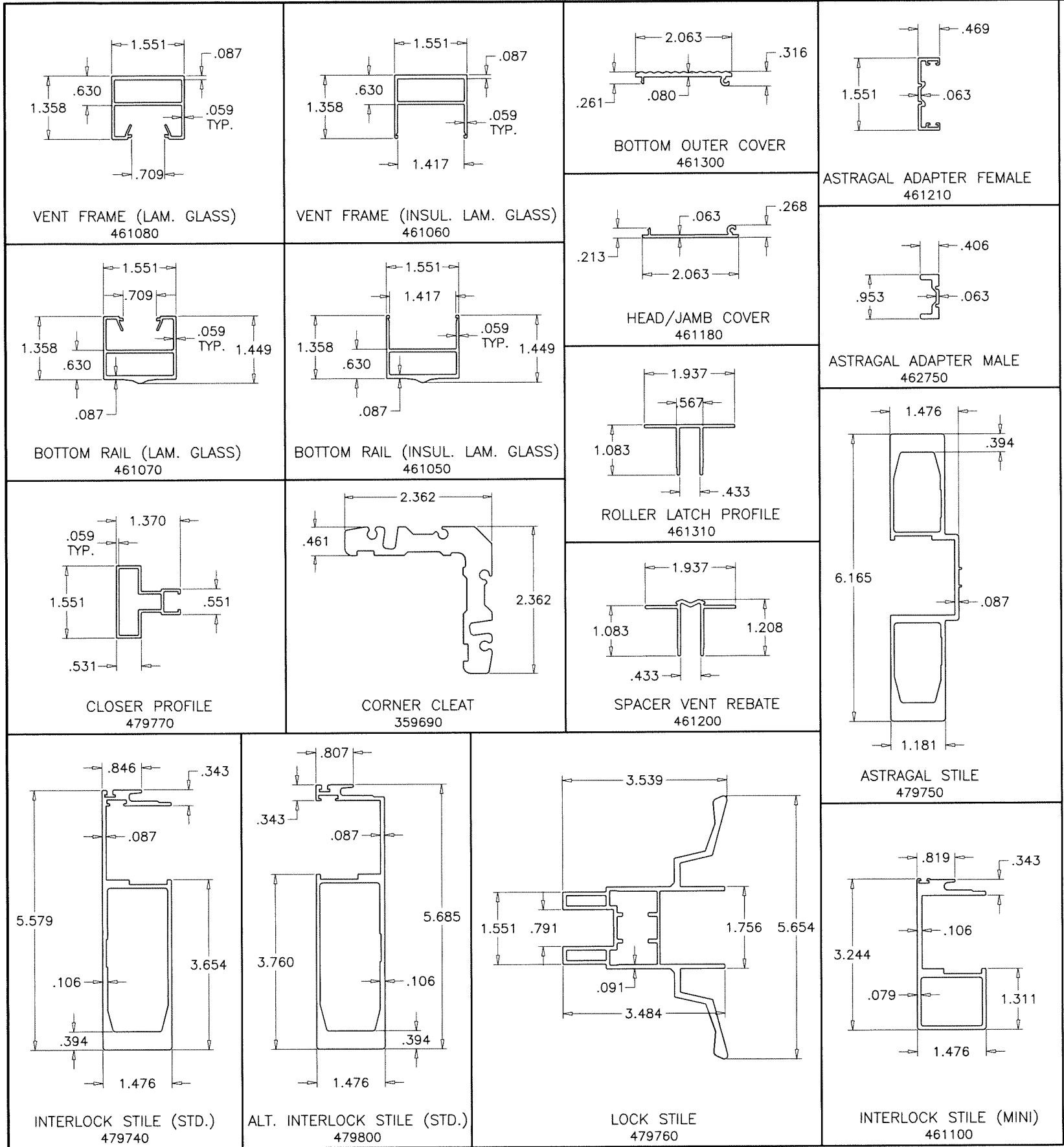
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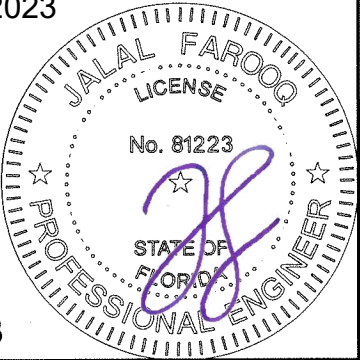
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PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
284878	—	CENTERING PIECE	EPDM	DUROMETER 80±5 SHORE A
359690	—	CORNER CLEAT PROFILE	6063-T6	—
461070	—	BOTTOM RAIL (LAM. GLASS)	6063-T6	—
461050	—	BOTTOM RAIL (INSUL. LAM. GLASS)	6063-T6	—
461060	—	VENT FRAME (LAM. GLASS)	6063-T6	—
461080	—	VENT FRAME (INSUL. LAM. GLASS)	6063-T6	—
461180	—	HEAD/JAMB COVER	6063-T6	—
461200	—	SPACER VENT REBATE	6063-T6	—
461300	—	BOTTOM COVER	6063-T6	—
461310	—	ROLLER LATCH PROFILE	6063-T6	—
479740	—	INTERLOCK STILE (STANDARD)	6063-T6	—
461100	—	INTERLOCK STILE (MINI)	6063-T6	—
479800	—	ALT. INTERLOCK STILE (STANDARD)	6063-T6	—
479760	—	LOCK STILE	6063-T6	—
479750	—	ASTRAGAL STILE	6063-T6	—
461210	—	ASTRAGAL ADAPTER FEMALE	6063-T6	—
462750	—	ASTRAGAL ADAPTER MALE	6063-T6	—
479770	—	CLOSER PROFILE	6063-T6	—
479840	—	FRAME SILL (2 TRACK)	6063-T6	—
479870	—	FRAME SILL (3 TRACK)	6063-T6	—
9629150	—	FRAME SILL (4 TRACK)	6063-T6	—
479850	—	FRAME HEAD (2 TRACK)	6063-T6	—
479880	—	FRAME HEAD (3 TRACK)	6063-T6	—
9629152	—	FRAME HEAD (4 TRACK)	6063-T6	—
479860	—	FRAME JAMB (2 TRACK)	6063-T6	—
479890	—	FRAME JAMB (3 TRACK)	6063-T6	—
9629153	—	FRAME JAMB (4 TRACK)	6063-T6	—
240366	—	ROLLER	ST. STEEL	—
254519	—	DOOR STOP, BLACK	6063-T6	—
276827	—	LOCKING LEVER LH9005	6063-T6	—
276931	—	DOOR STOP RAL 9005	—	—
281151	—	SINGLE POINT LOCK	—	—
281152	—	3 POINT LOCK	—	—
281157	—	STRIKE PLATE	ST. STEEL	—
224497	—	BRUSH SEAL	WOOL	—
284068	—	GLAZING GASKET 3MM (LAM. GLASS)	EPDM	DUROMETER 80±5 SHORE A
244203	—	GLAZING GASKET 3MM (INSUL. LAM. GLASS)	EPDM	DUROMETER 80±5 SHORE A
278502	—	EDGE COVER 9005	—	—
278576	—	SEAL KIT	—	—
284819	—	REBATE DOOR STOP	—	—
205080	—	C. SUNK SCREW B3.9X13	ST. STEEL	—
205432	—	C. SUNK SCREW B4.8X35	ST. STEEL	—
205435	—	C. SUNK SCREW B4.8X60	ST. STEEL	—
205660	—	OH SCREW S.B4.2X38 A4	ST. STEEL	—
205666	—	DIN7982DACRO. B3.9X45	ST. STEEL	—
225010	—	C. SUNK SCREW #10 X 5/8"	ST. STEEL	—
225116	—	S-D.SWST4.8X45TORX25	ST. STEEL	—
225198	—	SPECIAL SCREW M6	ST. STEEL	—
244058	—	GASKET CORD 2.5MM SW	—	—
267968	—	SEAL	—	—
267990	—	MULL JOINT SEAL	—	—
9624596	—	END CAP G.BAR 9005	—	—
281776	—	END CAP STRUCT. 9005	—	—
288180	—	SPECIAL ADHESIVE	—	—
9636963	—	LEFT SIDE SPLASH GUARD, ATTACHED W/ (1) 1/4" X 3/4" PH SCREW	PVC	—
9636964	—	RIGHT SIDE SPLASH GUARD, ATTACHED W/ (1) 1/4" X 3/4" PH SCREW	PVC	—

SEALANT:

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

LOCKS:

OPTION #1

SURFACE MOUNT METALLIC THREE PLY DUAL HOOK LOCK
AT 36" FROM BOTTOM
FASTENED TO LOCK STILE WITH
(2) #10 X 1-1/2" FH SELF DRILLING SCREWS

SURFACE MOUNT METALLIC KEEPER FACING LOCK AT 38" FROM BOTTOM
FASTENED WITH
(2) #10 X 1-1/2" FH SMS

OPTION #2

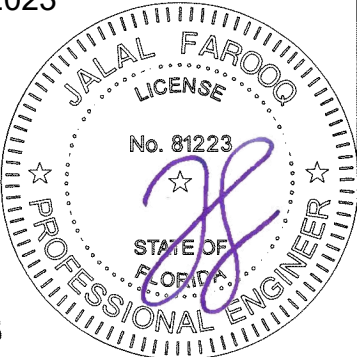
SURFACE MOUNT METALLIC 3 POINT LOCK
AT 36" FROM BOTTOM
FASTENED TO LOCK STILE WITH
(2) #10 X 1-1/2" FH SELF DRILLING SCREWS

SURFACE MOUNT METALLIC KEEPER FACING LOCK AT 38" FROM BOTTOM
FASTENED WITH
(2) #10 X 1-1/2" FH SMS

OPTION #3

LOCK (279194) WITH LATCH (241849) AND RETAINING CATCH (241850)
AT 36" FROM BOTTOM
SHOOT BOLT (461220) ENGAGING AT SILL

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