

SERIES-2011

ALUMINUM OUTSWING ENTRANCE DOOR

APPROVAL APPLIES TO SINGLE (X) AND DOUBLE (XX) LEAF DOORS WITH OR WITHOUT SIDELITES.
SIDE LITES CAN BE ON ONE OR BOTH SIDES OF DOOR.

DOORS WITH STD. THRESHOLD (#1202003) APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.
DOORS WITH ADA THRESHOLD (#1202004) NOT APPROVED FOR WATER INFILTRATION RESISTANCE.
SEE SHEET 6 FOR DETAILS.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 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 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.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2** FOR SINGLE (X) AND DOUBLE (XX) DOOR CAPACITIES SEE SHEET 2.
- STEP 3** FOR SIDELITE PANEL (O) CAPACITY SEE SHEET 3.
- STEP 4** FOR SIDELITE COMBINATION WITH DOOR SEE MULLION CAPACITY CHART ON SHEET 5.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

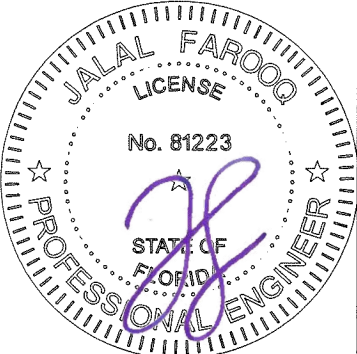
- A- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
- B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
- C- 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.

PRODUCT COMPLIES WITH REQUIREMENTS OF ANSI Z97.1 WITH GLASS TYPE 'C' ONLY.
SAFEGUARD REQUIREMENTS TO BE VERIFIED.

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

Sealed: 4/25/2025

FL #31579



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
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SERIES-2011 ALUMINUM OUTSWING DOOR (L.M.I.)
Sunshine Windows Manufacturing, Inc.
1785 West 33rd Place
Hialeah, FL. 33012
Tel. (305) 364-9952 Fax. (305) 828-5118

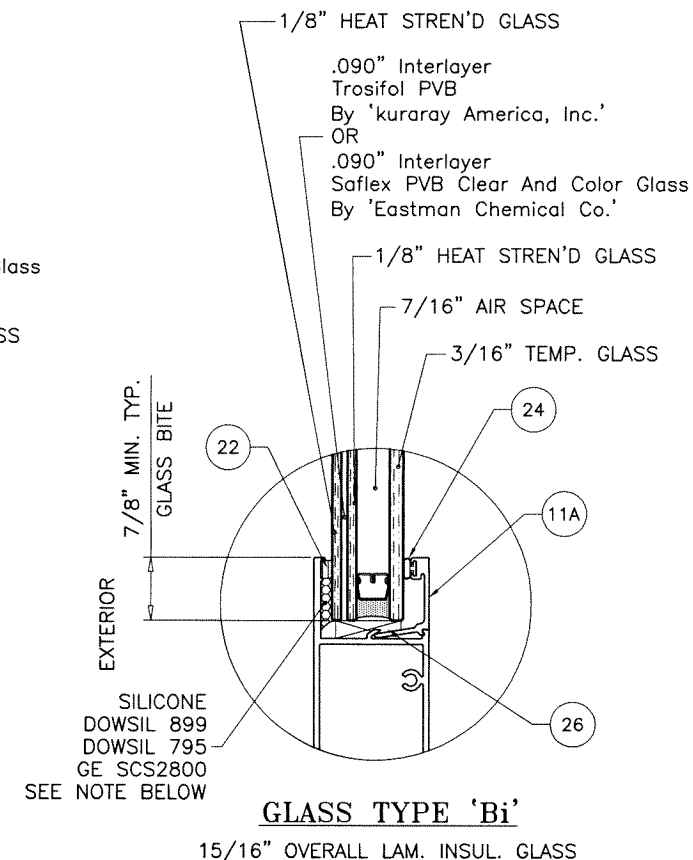
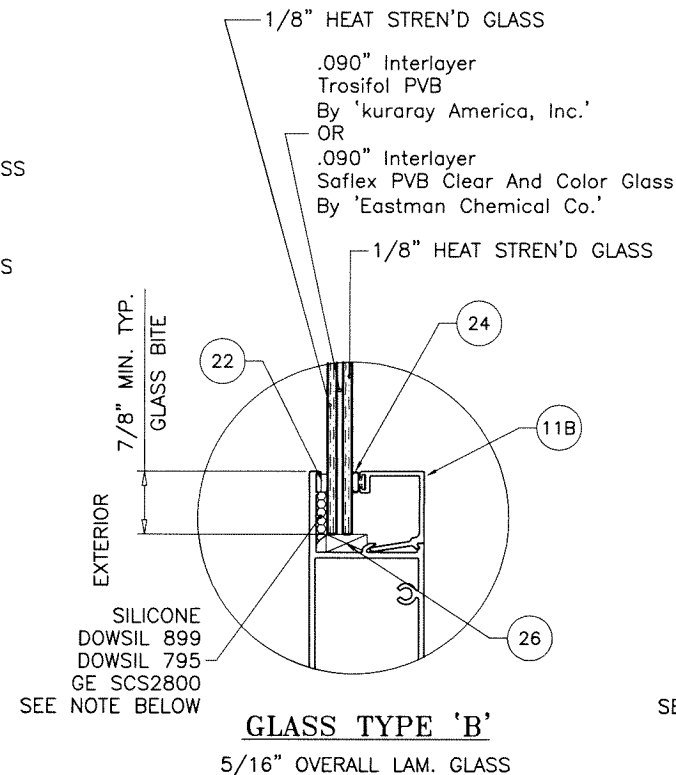
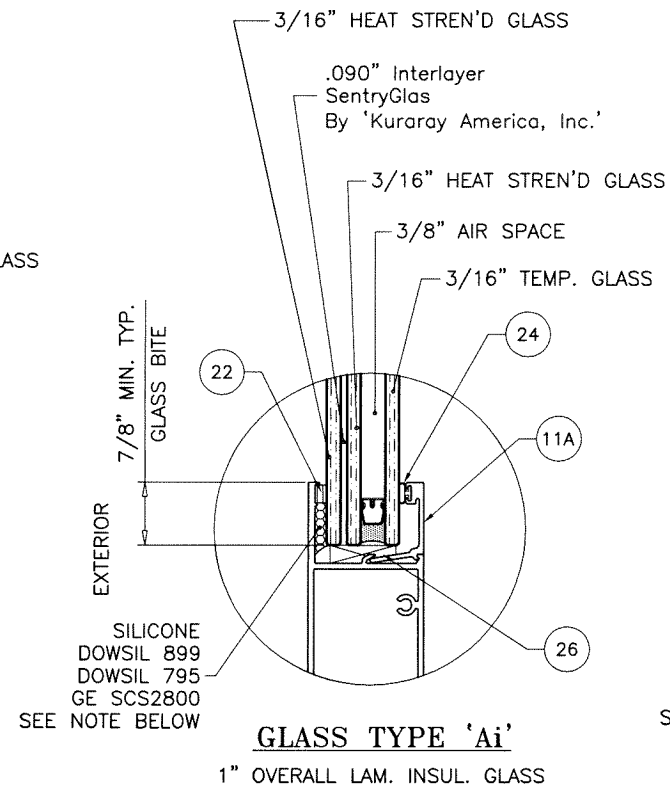
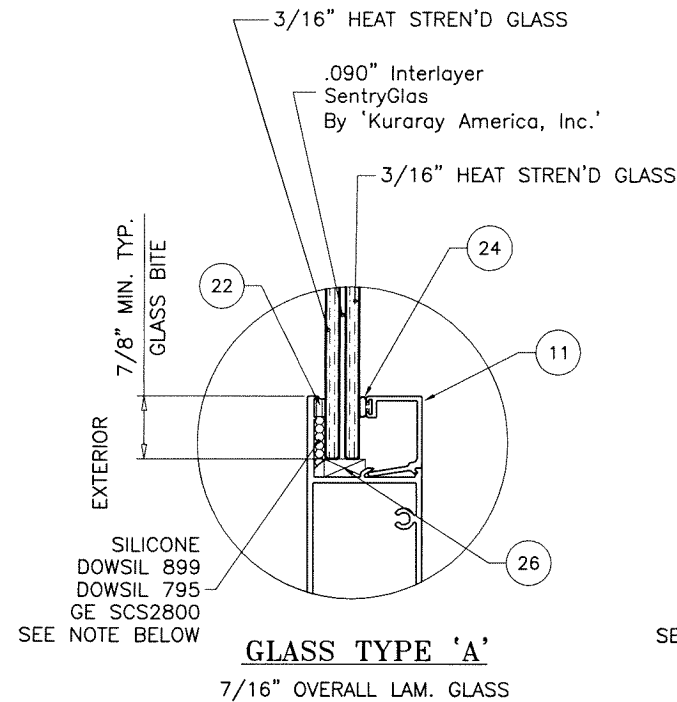
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no. date by description
A 05.27.20 GLASS OPTIONS ADDED
B 08.27.20 UPDATED TO 2020 FBC
C 07.21.23 UPDATED TO 2023 FBC
D 03.24.25 DOOR HT. REV.

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chk. by:

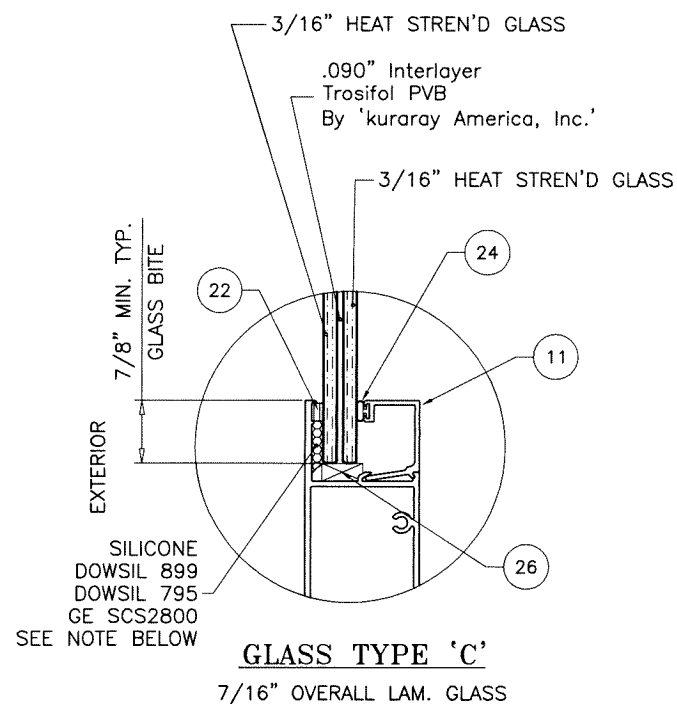
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20-04F
sheet 1 of 16

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COMP-ANL\20-04F-SWM



3/8" AIR SPACE CONSISTING OF:
SPACER:
 'HELIMA' LOW PROFILE ALUMINUM SPACER
 BY 'LINGERMANN GMBH'
 AROUND THE PERIMETER OF THE GLASS.
PERIMETER SEALANT:
 SILICONE
 DOWSIL 791
 GE 2000



SILICONE:
 DOWSIL 795 LIMIT MAX. LOADS TO ± 80.0 PSF
 GE SCS2800 LIMIT MAX. LOADS TO $+50.0$, -60.0 PSF AND
 MAX. D.L.O. AREA OF 21.9 SQ. FT.

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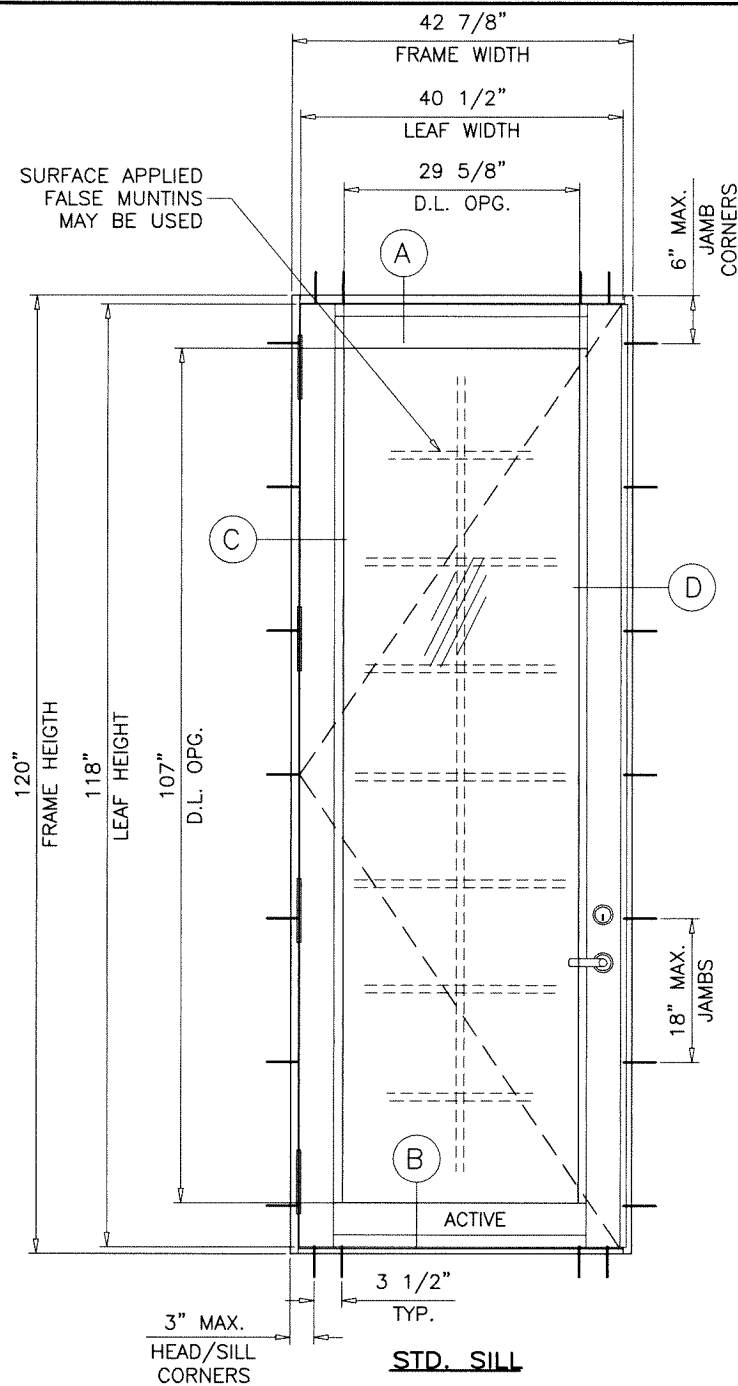
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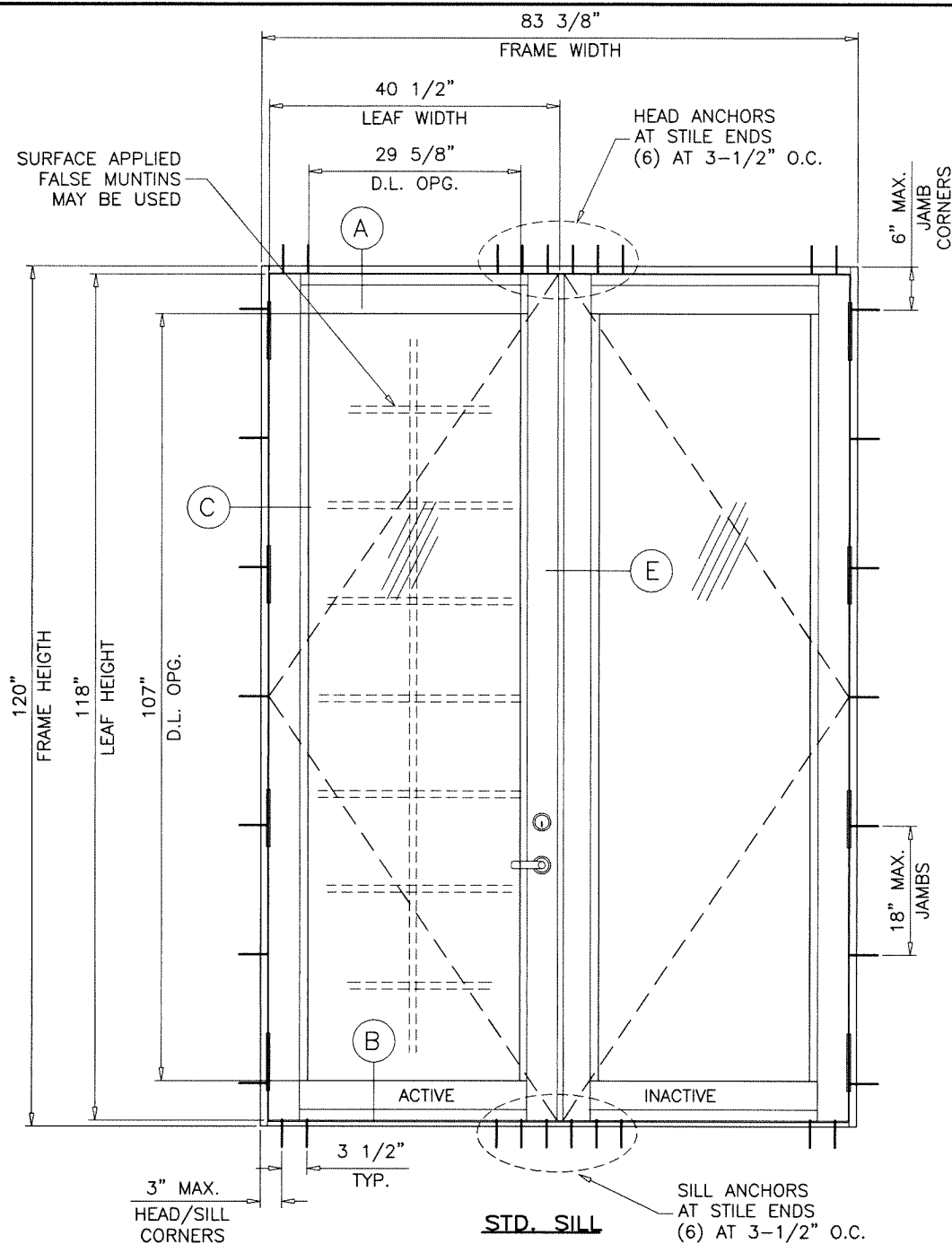
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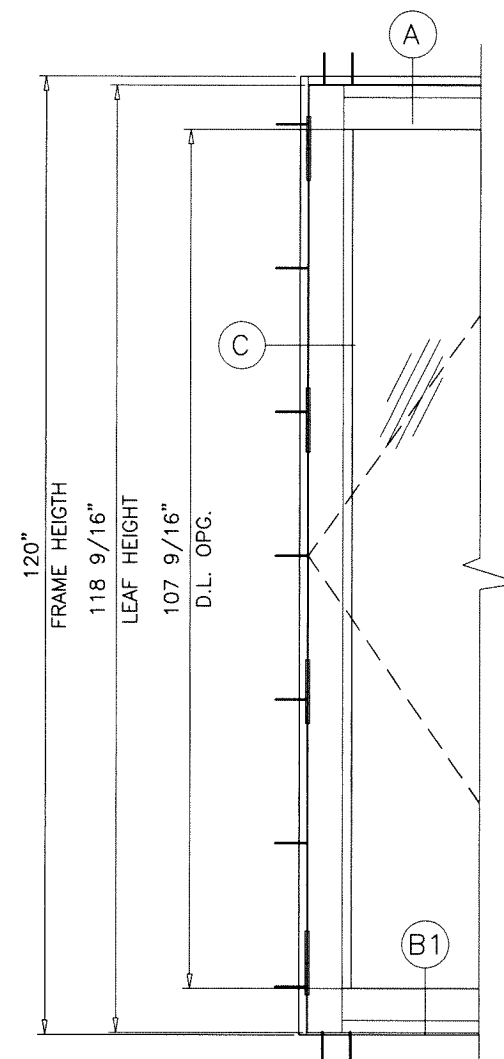
sheet 1.1 of 16



STD. SILL
TYPICAL ELEVATION
(X)



STD. SILL
TYPICAL ELEVATION
(XX)



SINGLE OR DOUBLE DOORS
WITH ADA SILL

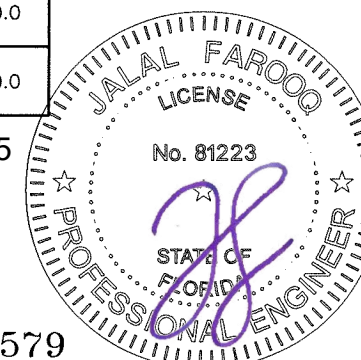
SINGLE DOORS LOAD CAPACITY - PSF												
FRAME		LEAF		THRESHOLD TYPES	GLASS 'A' & 'Ai'		GLASS 'B'		GLASS 'Bi'		GLASS 'C'	
WIDTH	HEIGHT	WIDTH	HEIGHT		EXT.(+)	INT.(−)	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)
40"	96"	37-5/8"	94"	STD.	80.0	80.0	69.8	69.8	70.0	70.0	50.0	60.0
			94-9/16"	ADA								
42"	108"	39-5/8"	106"	STD.	80.0	80.0	-	-	-	-	50.0	60.0
			106-9/16"	ADA								
42-7/8"	120"	40-1/2"	118"	STD.	50.0	60.0	-	-	-	-	50.0	60.0
			118-9/16"	ADA								

DOUBLE DOORS LOAD CAPACITY - PSF												
FRAME		LEAF		THRESHOLD TYPES	GLASS 'A' & 'Ai'		GLASS 'B'		GLASS 'Bi'		GLASS 'C'	
WIDTH	HEIGHT	WIDTH	HEIGHT		EXT.(+)	INT.(−)	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)
76-1/8"	96"	35-7/8"	94"	STD.	80.0	80.0	69.8	69.8	70.0	70.0	50.0	60.0
			94-9/16"	ADA								
78-1/8"	108"	37-7/8"	106"	STD.	80.0	80.0	-	-	-	-	50.0	60.0
			106-9/16"	ADA								
83-3/8"	120"	40-1/2"	118"	STD.	50.0	60.0	-	-	-	-	50.0	60.0
			118-9/16"	ADA								

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

GLASS D.L.O. FORMULAE:
D.L.O. WIDTH = FRAME WIDTH - 13.25" (X DOORS)
= (FRAME WIDTH - 24.125")/2 (XX DOORS)
D.L.O. HEIGHT = FRAME HEIGHT - 13.0" (STD. SILL)
= FRAME HEIGHT - 12.438" (ADA SILL)

Sealed: 4/25/2025



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Revisions:	
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date: 01-20-20

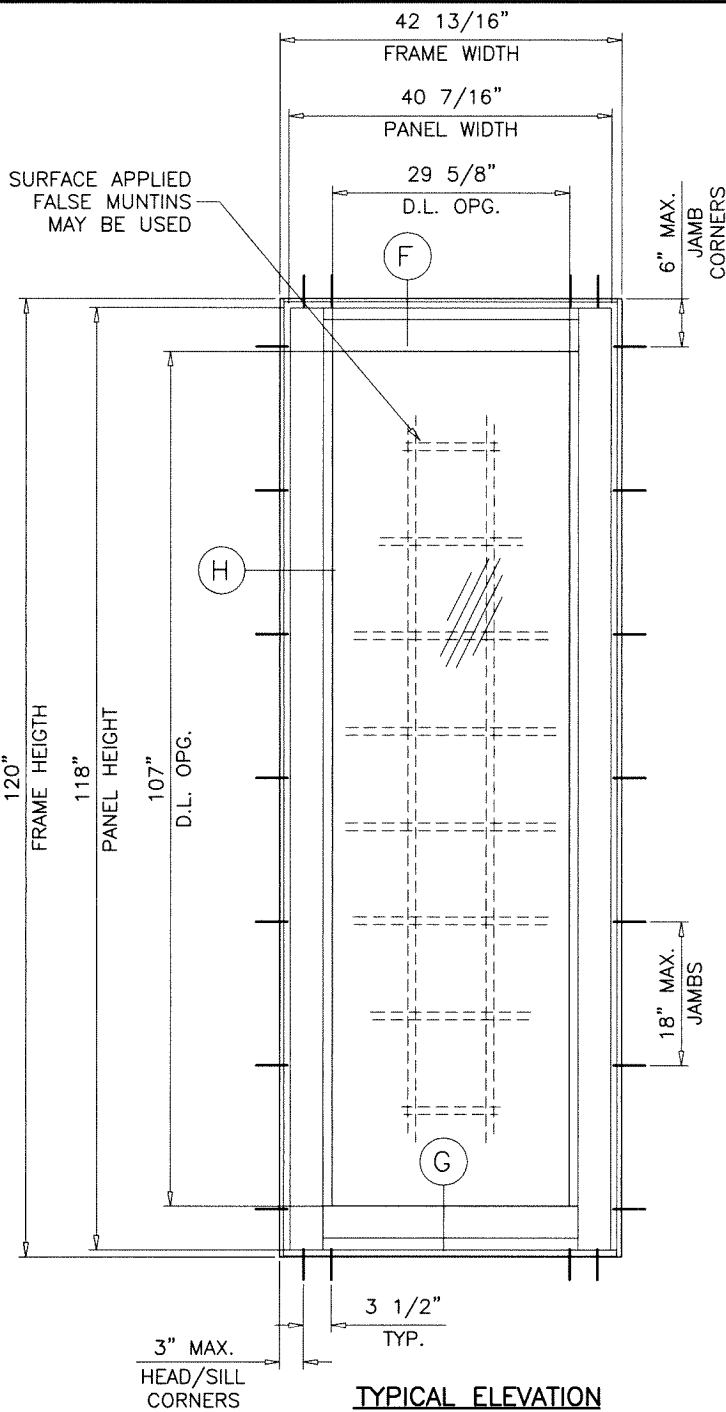
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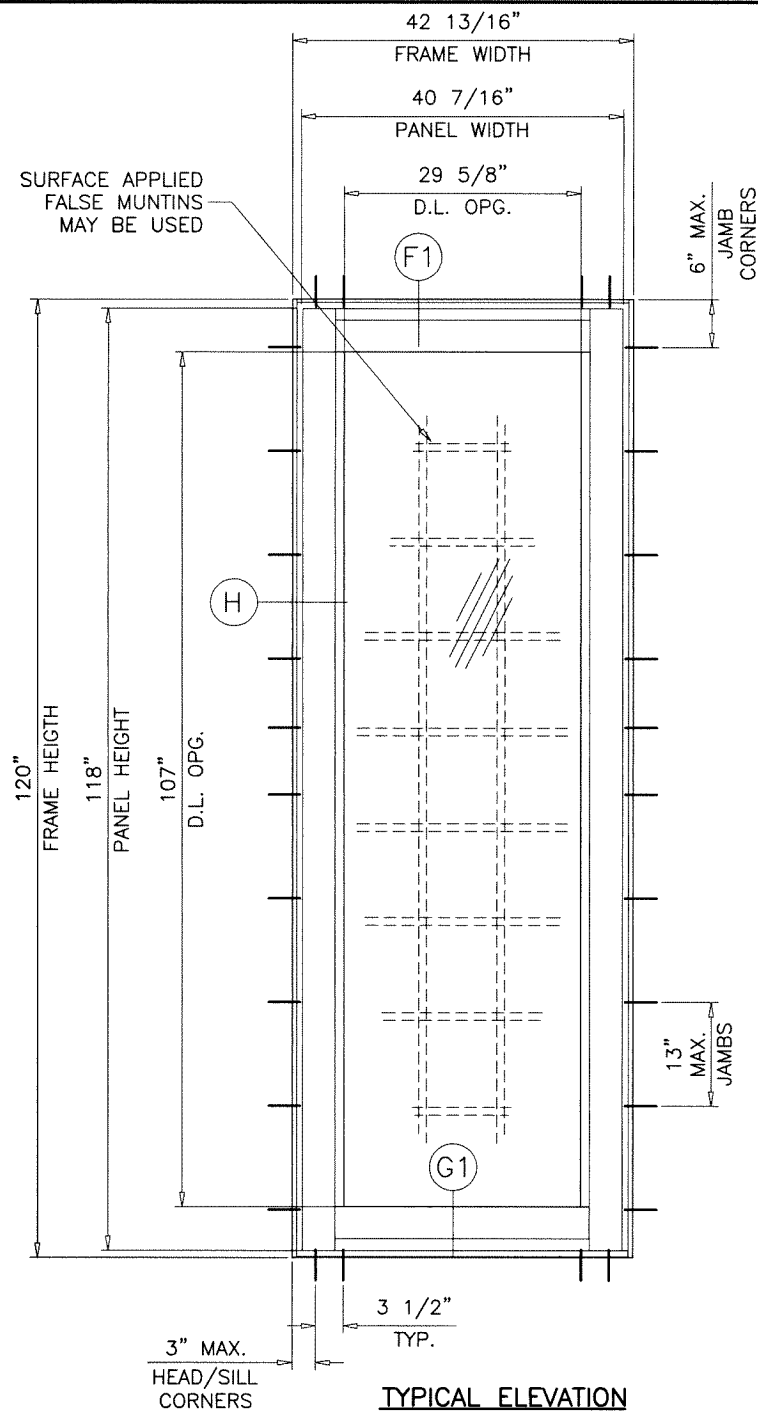
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20-04F

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TYPICAL ELEVATION
(O)



TYPICAL ELEVATION
(O)

SIDELITE LOAD CAPACITY - PSF OR STAND ALONE STATIONARY PANEL (O)												
FRAME		PANEL		THRESHOLD TYPES	GLASS 'A' & 'Ai'		GLASS 'B'		GLASS 'Bi'		GLASS 'C'	
WIDTH	HEIGHT	WIDTH	HEIGHT		EXT.(+)	INT.(−)	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)
48−1/16"	96"	45−11/16"	94"	STD.	80.0	80.0	57.1	57.1	70.0	70.0	44.5	53.4
47−9/16"	108"	45−3/16"	106"		80.0	80.0	−	−	−	−	45.0	54.0
48−1/16"	108"	45−11/16"	106"		80.0	80.0	−	−	−	−	−	−
42−13/16"	120"	40−7/16"	118"		80.0	80.0	−	−	−	−	50.0	60.0

LOAD CAPACITY - PSF STAND ALONE STATIONARY PANEL (0)												
FRAME		PANEL		THRESHOLD TYPES	GLASS 'A' & 'Ai'		GLASS 'B'		GLASS 'Bi'		GLASS 'C'	
WIDTH	HEIGHT	WIDTH	HEIGHT		EXT.(+)	INT.(−)	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)
48"	96"	45−5/8"	94"	STD.	110.0	110.0	57.1	57.1	70.0	70.0	44.6	53.5
47−9/16"	108"	45−3/16"	106"		110.0	110.0	−	−	−	−	45.0	54.0
48"	108"	45−5/8"	106"	STD.	110.0	110.0	−	−	−	−	−	−
42−13/16"	120"	40−7/16"	118"		110.0	110.0	−	−	−	−	50.0	60.0

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D.L.O. HEIGHT (SIDELITE) = FRAME HEIGHT - 13.0"
D.L.O. WIDTH (SIDE LITE) = FRAME WIDTH - 13.188"

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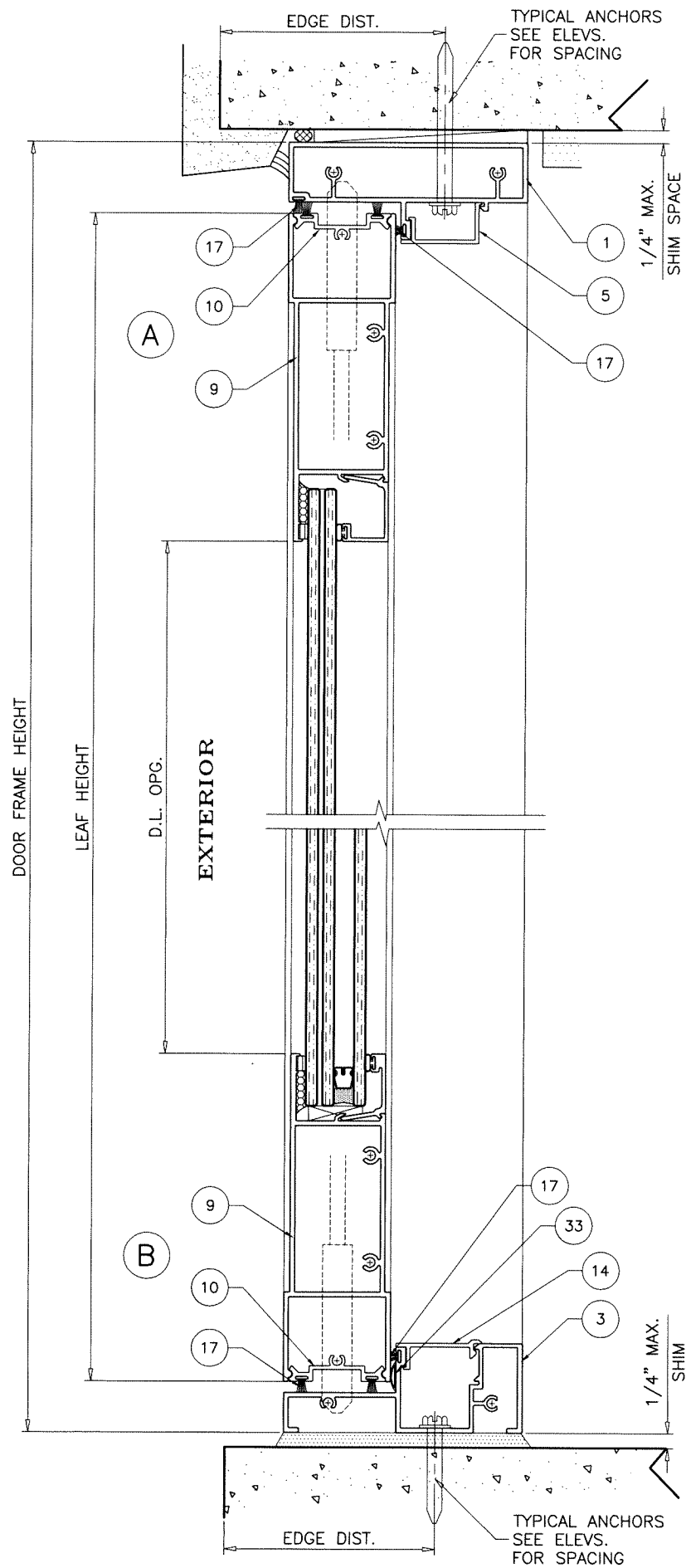
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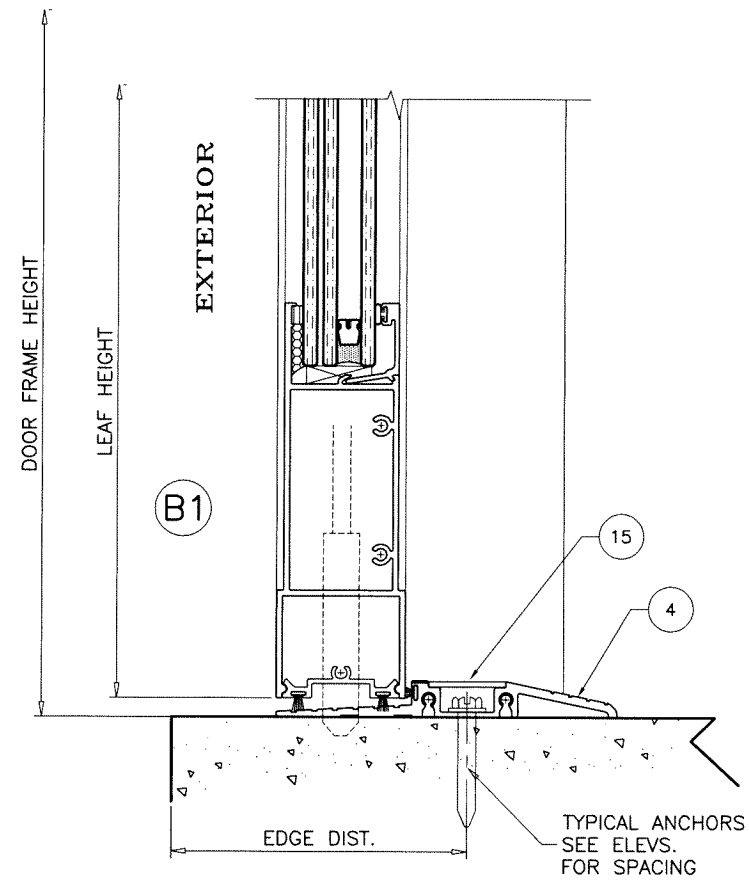
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sheet 3 of 16



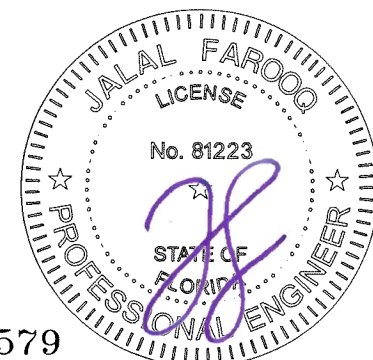
STD. THRESHOLD
APPROVED FOR WATER INFILTRATION RESISTANCE



ADA THRESHOLD
NOT APPROVED FOR WATER INFILTRATION RESISTANCE

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DOOR DETAILS

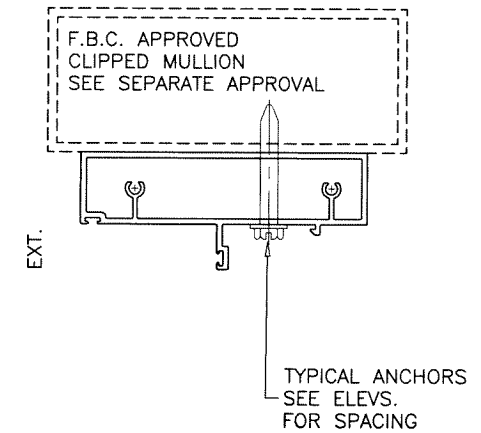
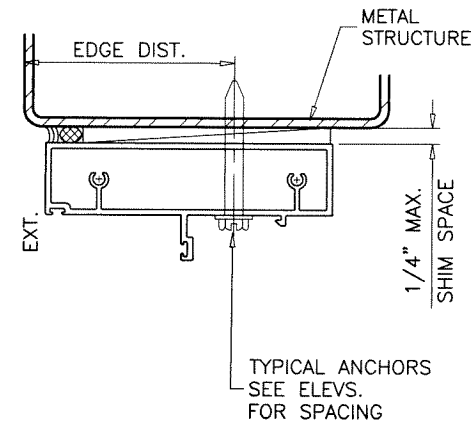
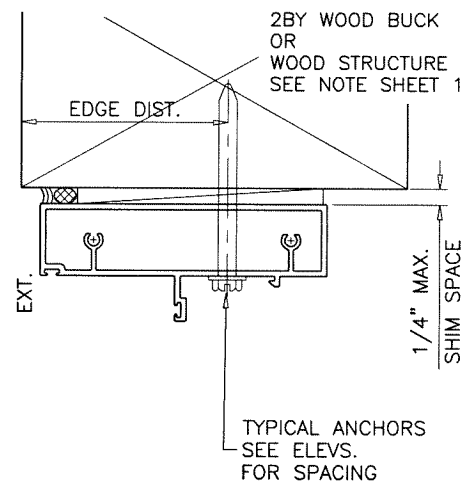
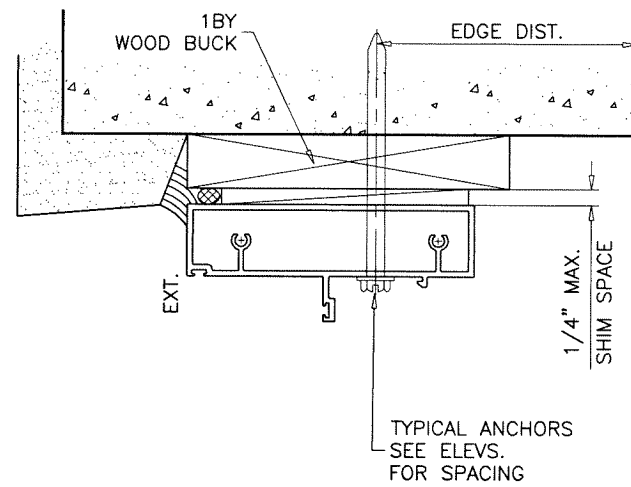


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dr. by:	TARIQ	chk. by:	
drawing no.	20-04F		
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WOOD BUCKS AND METAL STRUCTURE NOT BY 'SUNSHINE WDW.'
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM
AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)

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)

DIRECTLY INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

1/4" DIA. TEKS OR SELF-DRILLING SCREWS (GRADE 5 CRS)

INTO F.B.C. APPROVED MULLIONS
AND
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 = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

WOOD AT HEAD, SILL 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.

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DOOR DETAILS



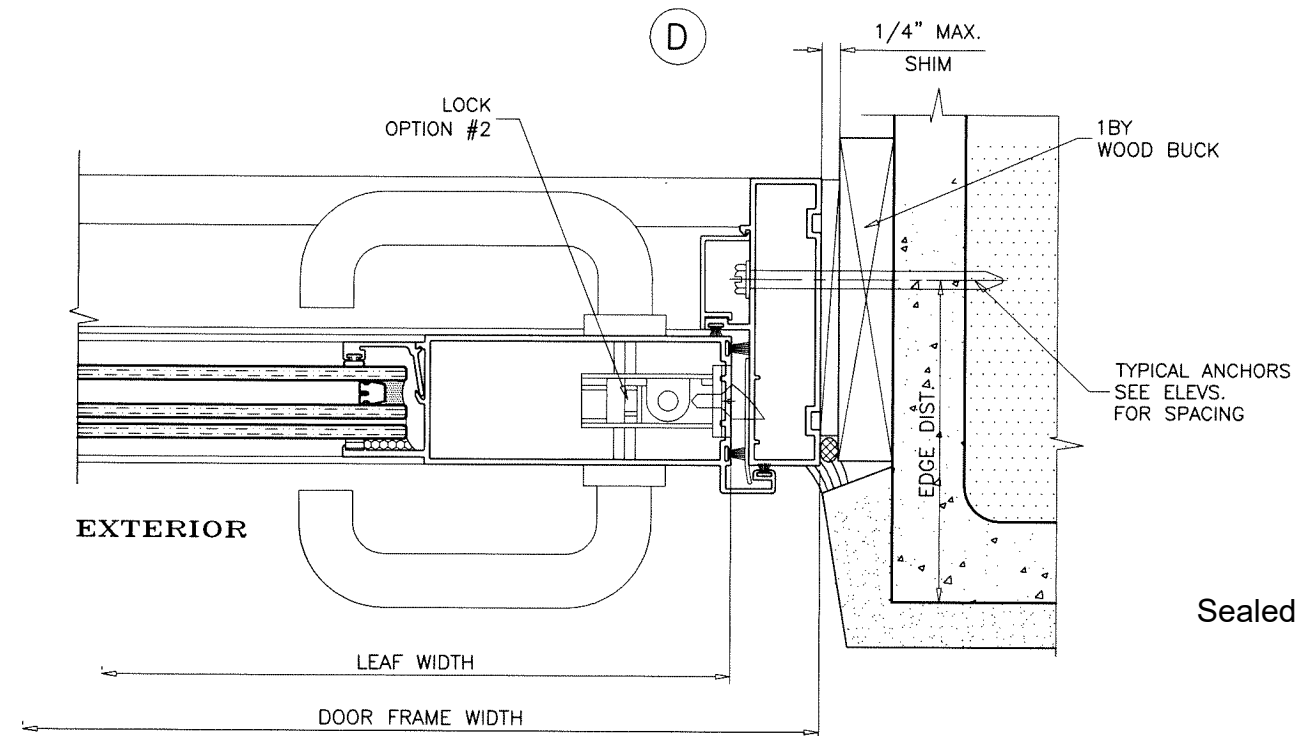
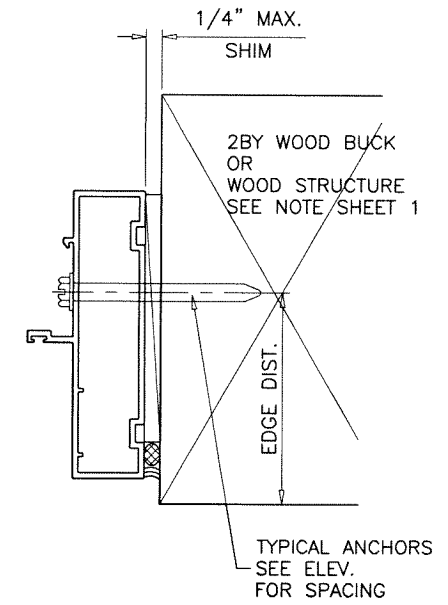
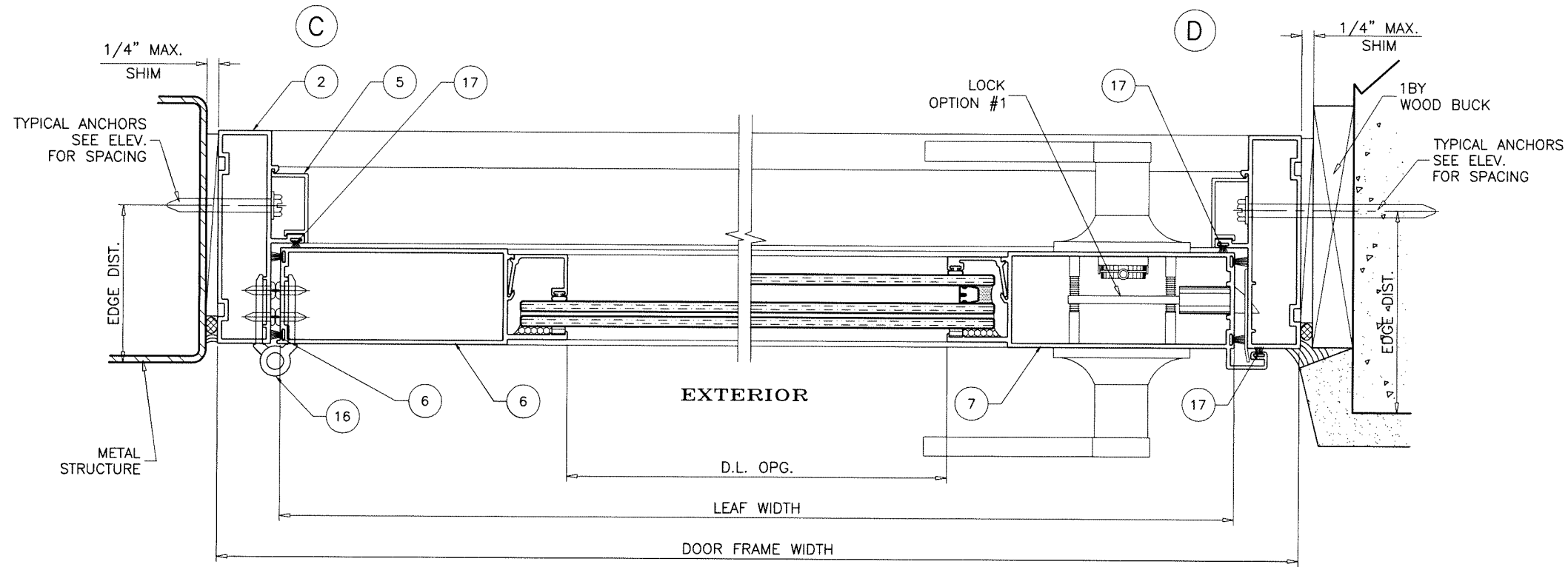
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20-04F
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DOOR DETAILS



FL #31579

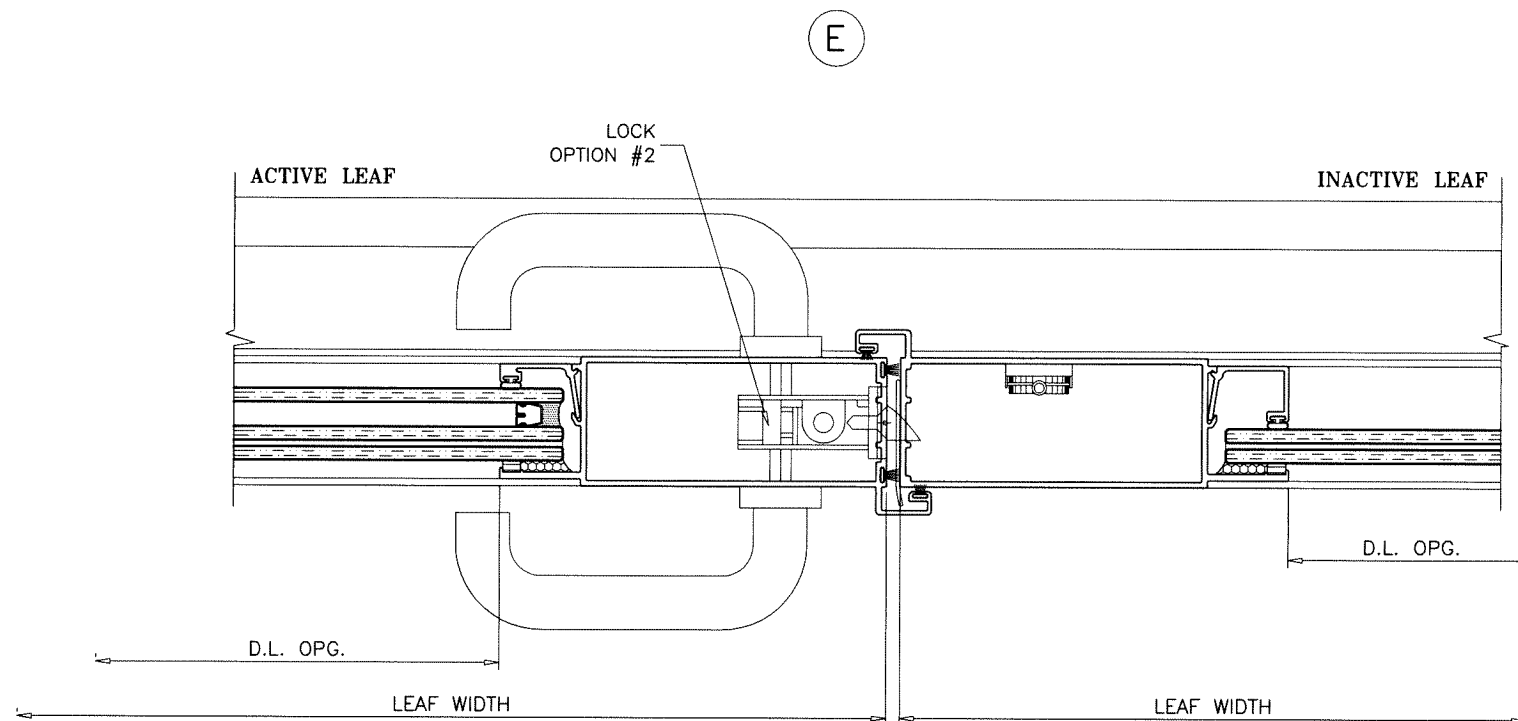
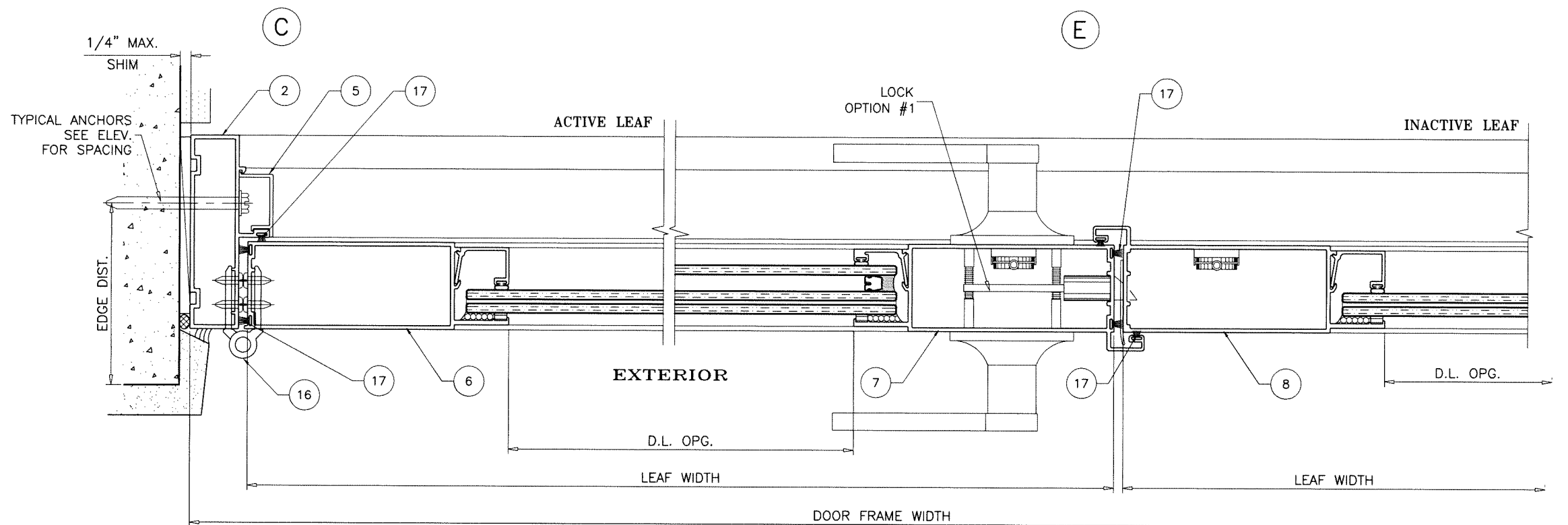
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ENGINEERS & PRODUCT DEVELOPMENT
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MIAMI, FLORIDA 33173 (C.A.N. 3538)
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SERIES-2011 ALUMINUM OUTSWING DOOR (L.M.I.)

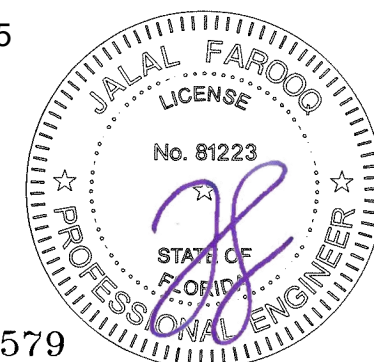
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Hialeah, FL 33012
Tel. (305) 364-9952 Fax. (305) 828-5118

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drawing no.		20-04F		sheet		8 of 16			



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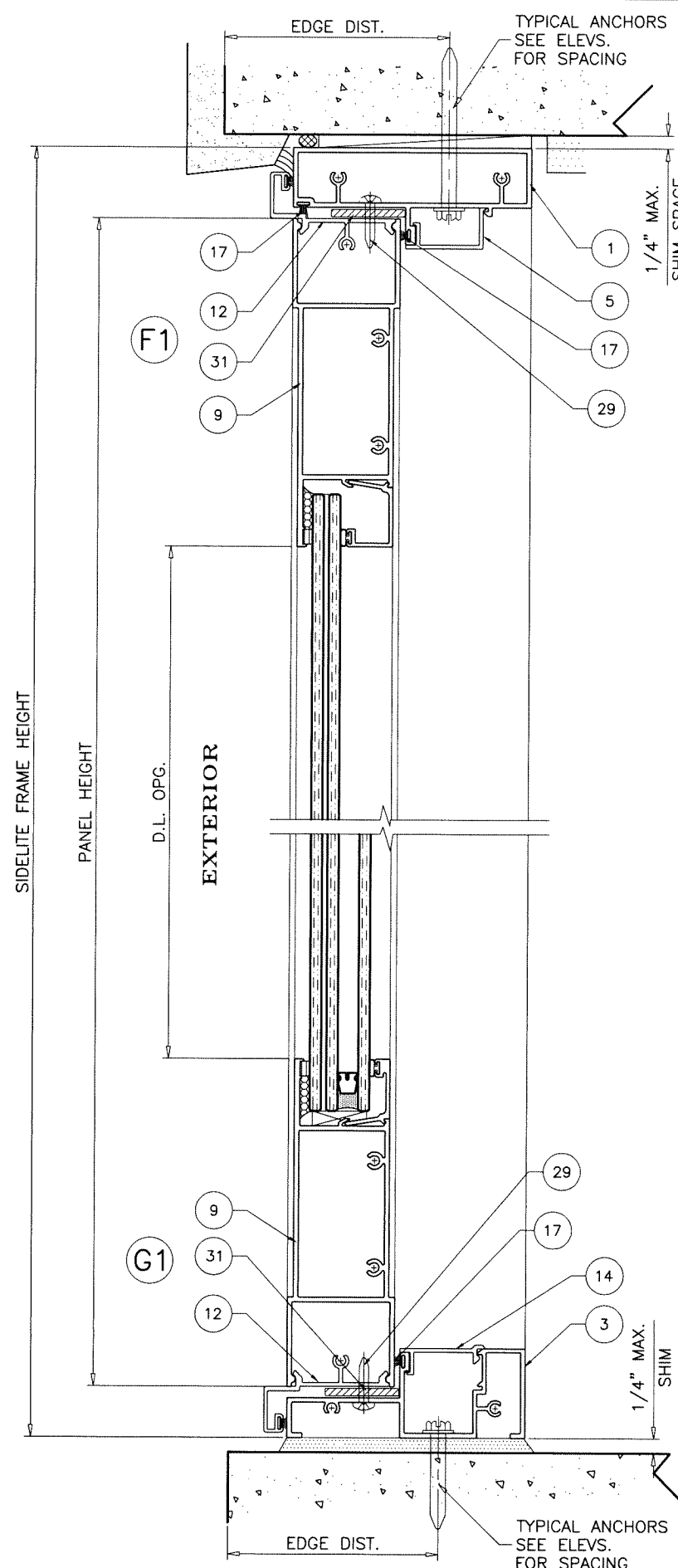
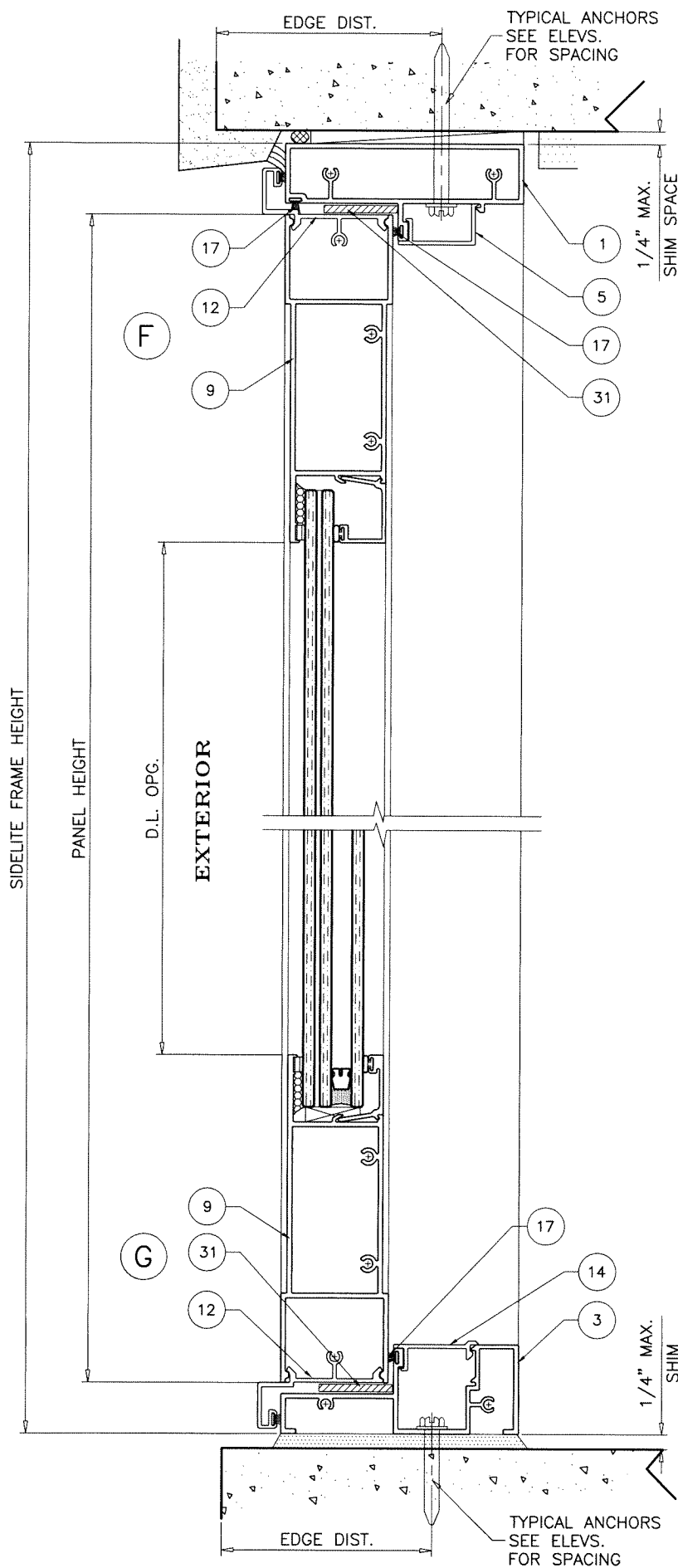


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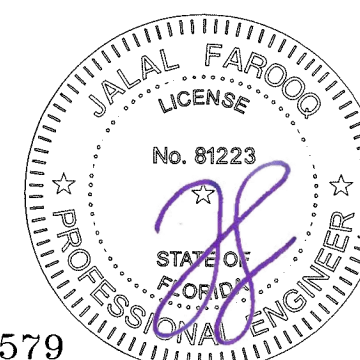
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SIDELITE DETAILS

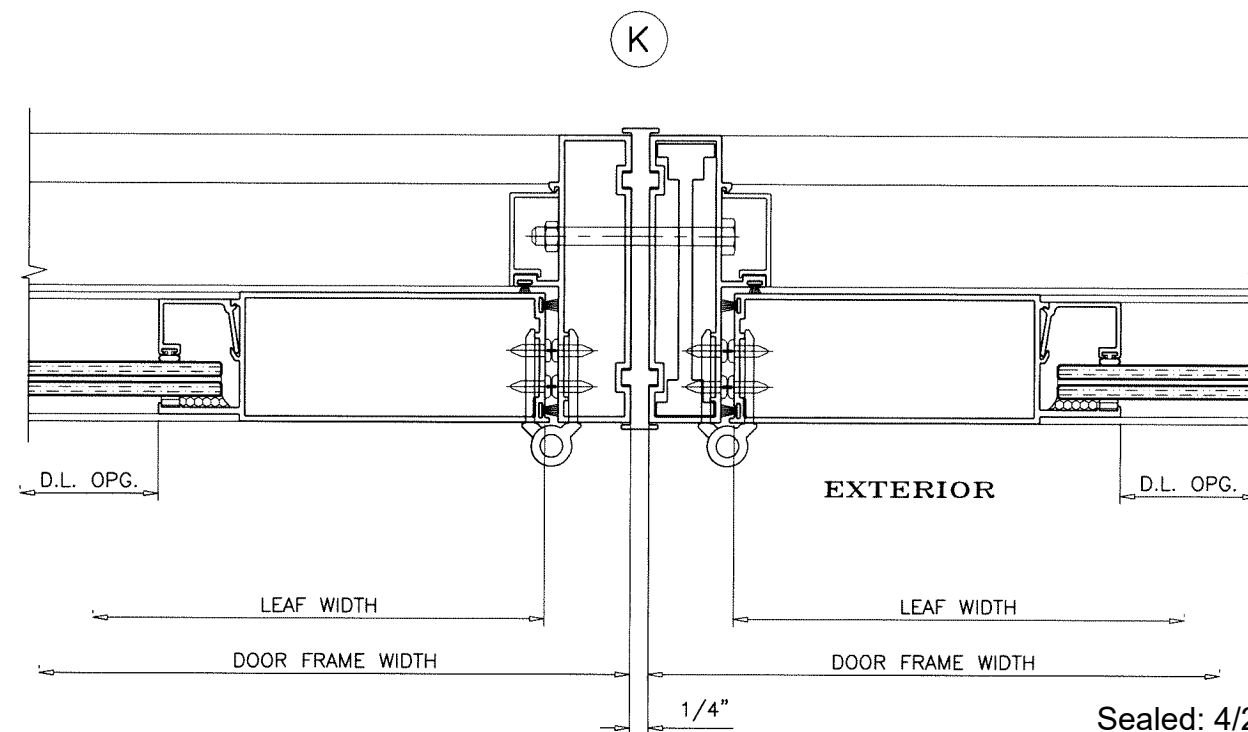
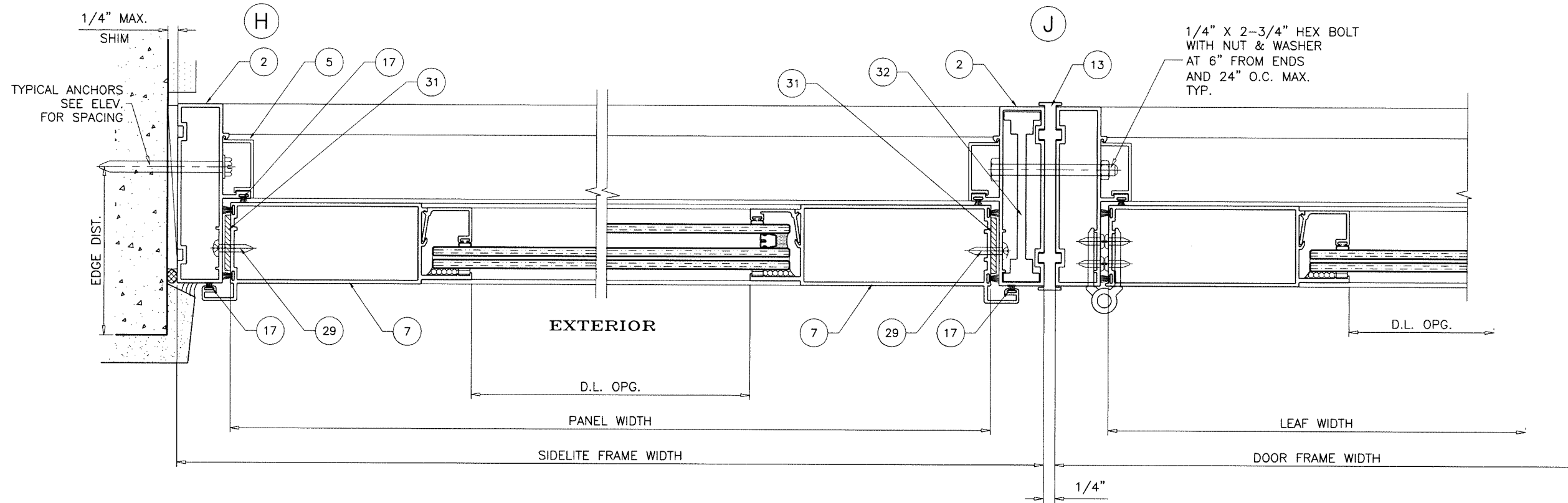


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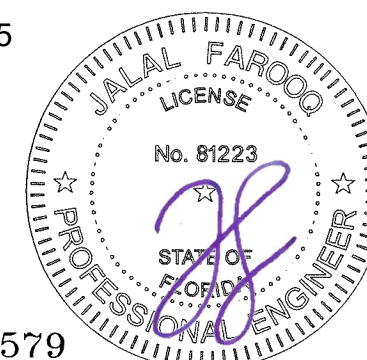
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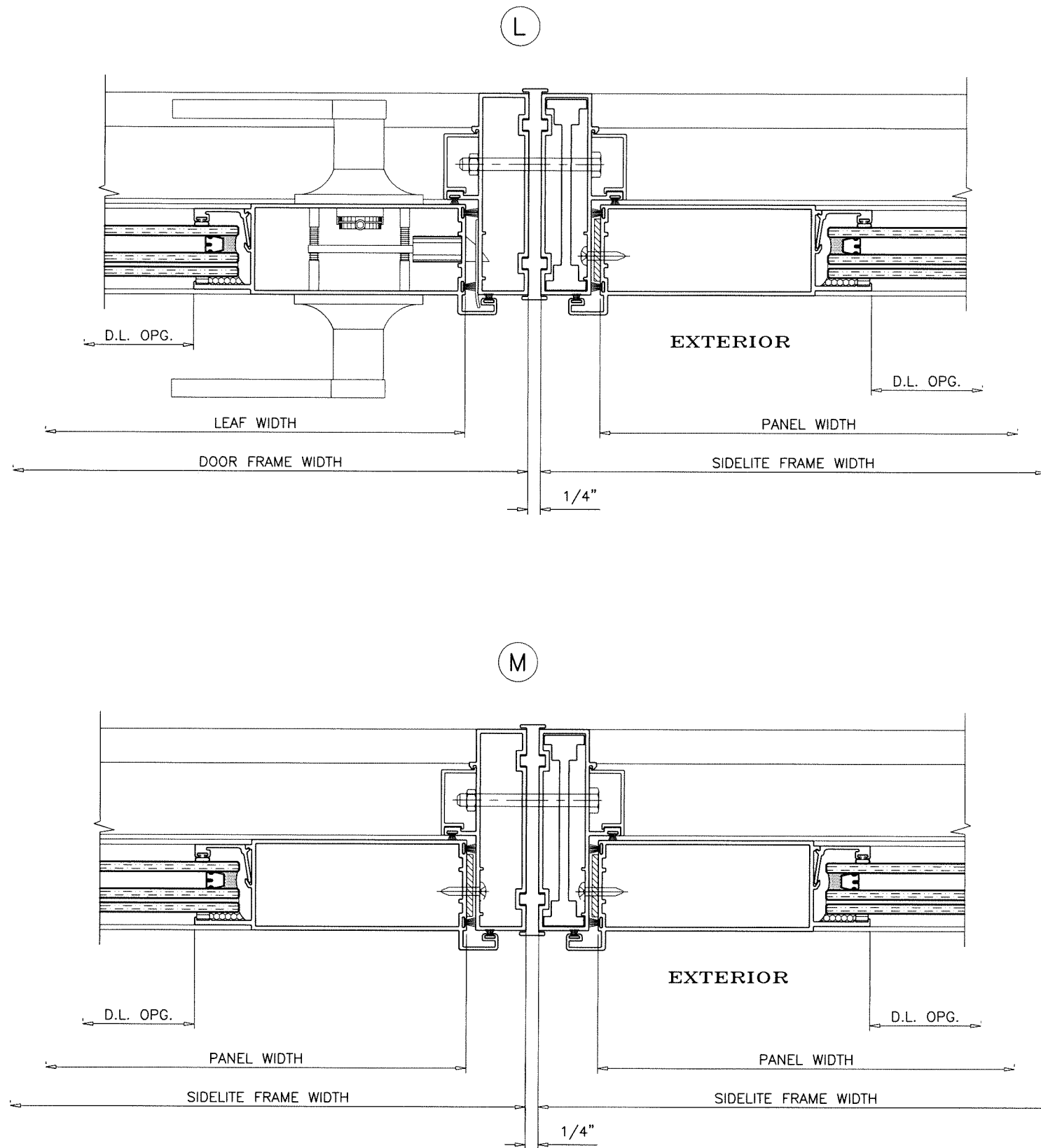
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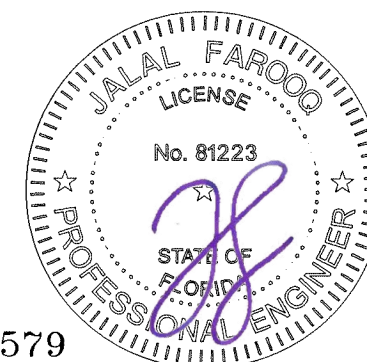
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SIDELITE DETAILS



FL #31579

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LOCK OPTIONS:

ACTIVE LEAF:

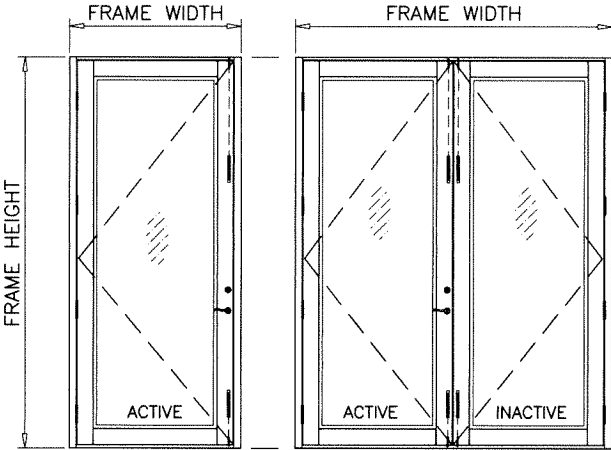
SURFACE MOUNT DEAD BOLT LOCK BY 'REGENT' AT 42-1/2" FROM BOTTOM, KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR FASTENED TO ACTIVE LEAF LOCK STILE WITH (2) #10-32-28 X 2-3/8" OH MS LEVER TYPE METALLIC HANDLE AT 36-1/4" FROM BOTTOM, FASTENED TO ACTIVE LEAF LOCK STILE WITH (2) #8-32 X 1" PH MS.

SERIES 2508 FLUSH BOLTS BY 'REGENT' MANUALLY OPERATED LEVERS MOUNTED ON INSIDE FACE OF LEAF STILE LOCATED AT 56" FROM TOP AND 12" FROM BOTTOM FASTENED TO LOCK STILE WITH #8-32 X 1/2" FH SMS (2) PER BOLT

(2) SURFACE MOUNT STRIKE PLATES FACING LOCKS AT 36-1/4" AND 42-1/4" FROM BOTTOM FASTENED TO JAMB/INACTIVE STILE WITH (2) #8 X 1/2" FH SMS

INACTIVE LEAF:

SERIES 2508 FLUSH BOLTS BY 'REGENT' MANUALLY OPERATED LEVERS MOUNTED ON INSIDE FACE OF LEAF STILE LOCATED AT 56" FROM TOP AND 12" FROM BOTTOM FASTENED TO LOCK STILE WITH #8-32 X 1/2" FH SMS (2) PER BOLT



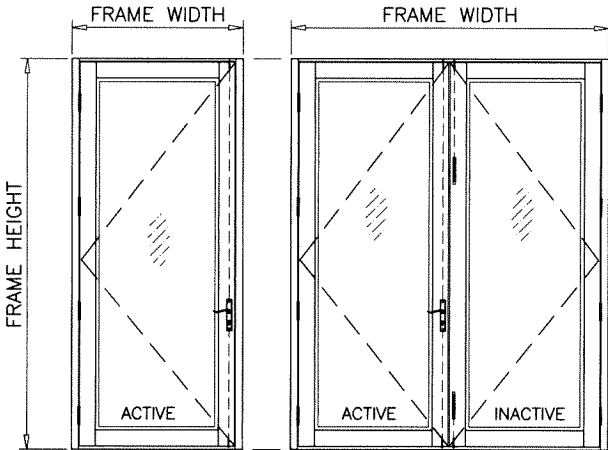
ACTIVE LEAF:

4 POINT LOCK SYSTEM BY 'REGENT' AT 38" FROM BOTTOM HANDLE ACTIVATES DEAD BOLT AND SHOOT BOLTS ENGAGING AT HEAD AND SILL KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR FASTENED TO ACTIVE LEAF LOCK STILE WITH (2) #10-32 X 1-1/2" OH MS WITH SEX BOLT (2) #8 X 1/2" FH SMS

SURFACE MOUNT STRIKE PLATE FACING LOCK AT 39" FROM BOTTOM FASTENED TO JAMB/INACTIVE STILE WITH (3) #8 X 1/2" FH SMS

INACTIVE LEAF:

SERIES 2508 FLUSH BOLTS BY 'REGENT' MANUALLY OPERATED LEVERS MOUNTED ON INSIDE FACE OF LEAF STILE LOCATED AT 56" FROM TOP AND 12" FROM BOTTOM FASTENED TO LOCK STILE WITH #8-32 X 1/2" FH SMS (2) PER BOLT



HINGES:

8" LONG SURFACE MOUNT ALUMINUM BUTT HINGES FOUR PER LEAF TOP AND BOTTOM HINGES AT 10" FROM ENDS INTERMEDIATE HINGES EQUALLY SPACED FASTENED TO FRAME AND PANEL WITH #10 X 3/4" TRUSS HEAD SMS (3) PER HASP(LEAF)

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ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	1202001	1	FRAME HEAD	6063-T6	SINOPEC TRADING
2	1202002	2	FRAME JAMB	6063-T6	SINOPEC TRADING
3	1202003	1	STANDARD THRESHOLD	6063-T6	SINOPEC TRADING
4	1202004	1	ADA THRESHOLD	6063-T6	SINOPEC TRADING
5	1202005	AS REQD.	FRAME COVER	6063-T6	SINOPEC TRADING
6	1202006	AS REQD.	HINGE STILE	6063-T6	SINOPEC TRADING
7	1202007	AS REQD.	ASTRAGAL STILE (ACTIVE)	6063-T6	SINOPEC TRADING
8	1202008	AS REQD.	ASTRAGAL STILE (INACTIVE)	6063-T6	SINOPEC TRADING
9	1202009	AS REQD.	TOP AND BOTTOM RAIL	6063-T6	SINOPEC TRADING
10	1202010	AS REQD.	WEATHERSTRIP ADAPTER	6063-T6	SINOPEC TRADING
11	12065	AS REQD.	GLASS STOP (7/16" GLASS)	6063-T6	MI METALS
11A	12180	AS REQD.	GLASS STOP (LAM. INSUL. GLASS)	6063-T6	MI METALS
11B	12114	AS REQD.	GLASS STOP (5/16" GLASS)	6063-T6	MI METALS
12	1202012	AS REQD.	SIDELITE TOP AND BOTTOM ADAPTER	6063-T6	SINOPEC TRADING
13	1202013	AS REQD.	MULLION	6063-T6	SINOPEC TRADING
14	12181	AS REQD.	STD. THRESHOLD COVER	6063-T6	MI METALS
15	31296	AS REQD.	ADA THRESHOLD COVER	6063-T6	SAPA EXTRUDERS
16	46917	AS REQD.	HINGES	6063-T6	SAPA EXTRUDERS
17	W33321NK0020	AS REQD.	ULTRA FIN WEATHERSEAL	POLYPROYLENE	ULTRAFAB
18	290DZ1ABBP	AS REQD.	DEAD BOLT	ZINC	REGENT HARDWARE
19	290L3ZAB3BP	AS REQD.	PASSAGE LEVER	ZINC	REGENT HARDWARE
20	2062-3P-SS	AS REQD.	3-POINT MORTISE LOCK	S.S.	REGENT HARDWARE
21	SERIES 2508	AS REQD.	FLUSH BOLTS	ZINC	REGENT HARDWARE
22	ZIALOC 750	AS REQD.	1/8" X 1/4" DOUBLE SIDED TAPE	PE FOAM	TBP CONVERTING
24	E20318WN3020	AS REQD.	T-SLOT EXTRUDED SEAL BULB	TPE PLASTIC	ULTRAFAB
26	-	2/ LITE	SETTING BLOCKS, AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A
27	#10 X 1"	AS REQD.	FRAME ASSEMBLY FASTENERS	STEEL	PH SMS
28	#10 X 1-1/2"	AS REQD.	PANEL ASSEMBLY FASTENERS	STEEL	FH SMS
29	5KGF9	AS REQD.	#10 X 1" METAL SCREW, AT 6" FROM EACH END AND 24" O.C. MAX.	STEEL	GRAINGER
31	PHS8	AS REQD.	2" X 1/8" SPACER	PLASTIC	CRL
32	SSW-131	AS REQD.	SIDELITE REINFORCEMENT	6063-T6	PROFILE
33	X109HT100	AS REQD.	D SECTION RUBBER SEAL	EPDM	TRIMLOCK

SEALANTS:

ALL FRAME AND LEAF JOINTS AND SEAMS SEALED
WITH DOWSIL 791 SILICONE.

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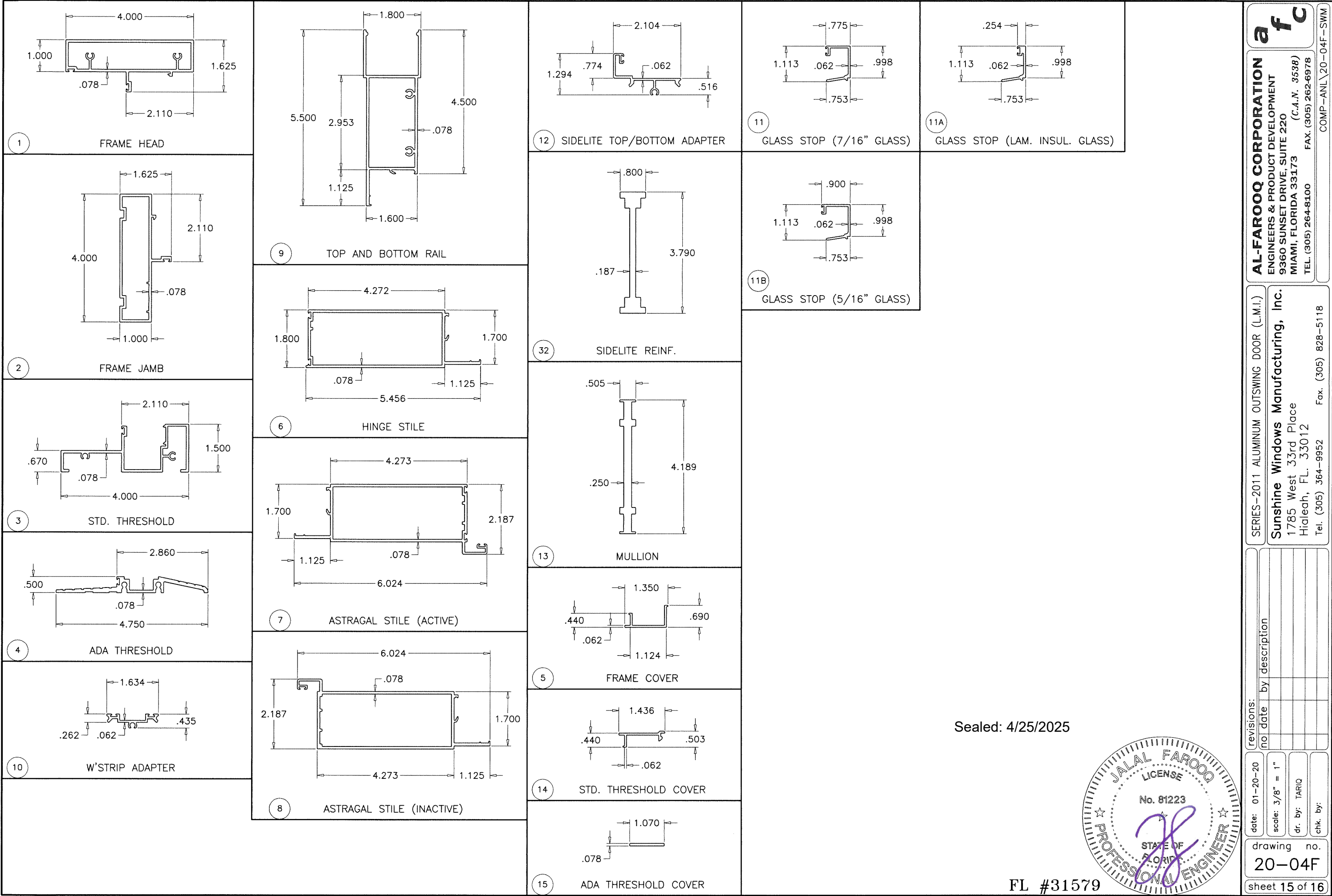
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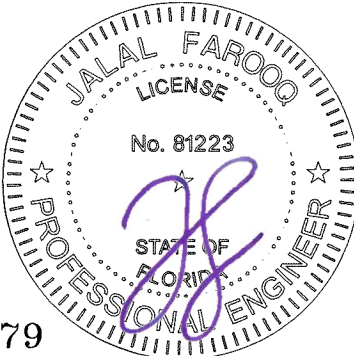
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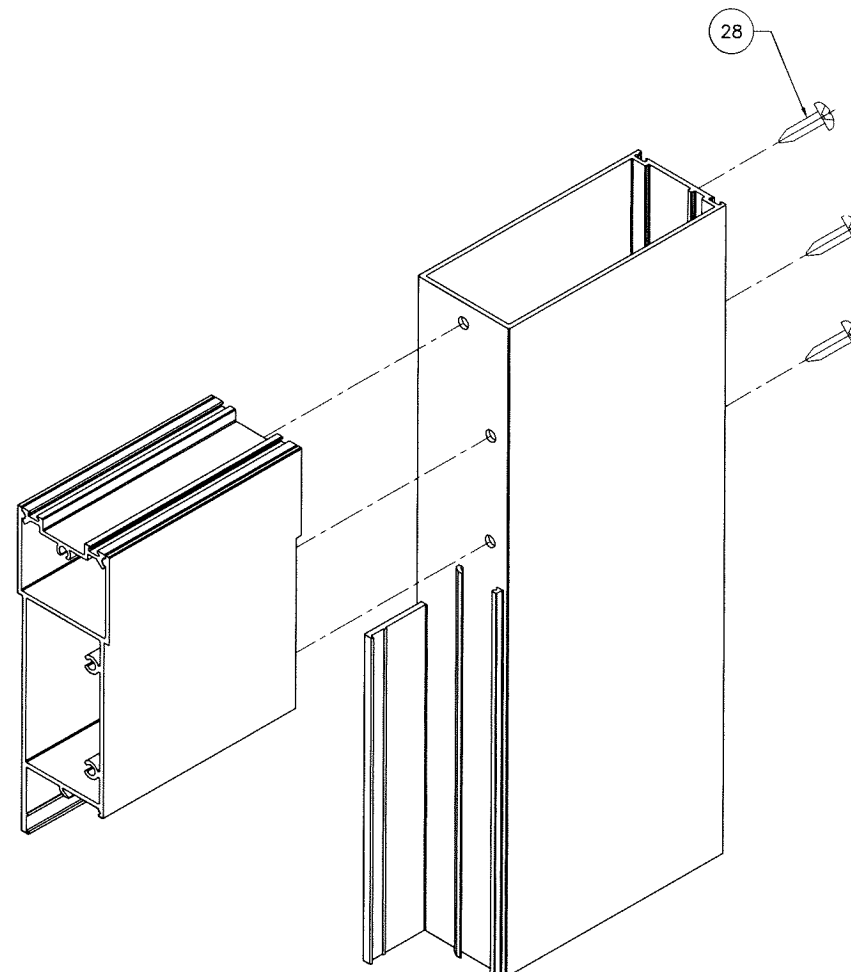
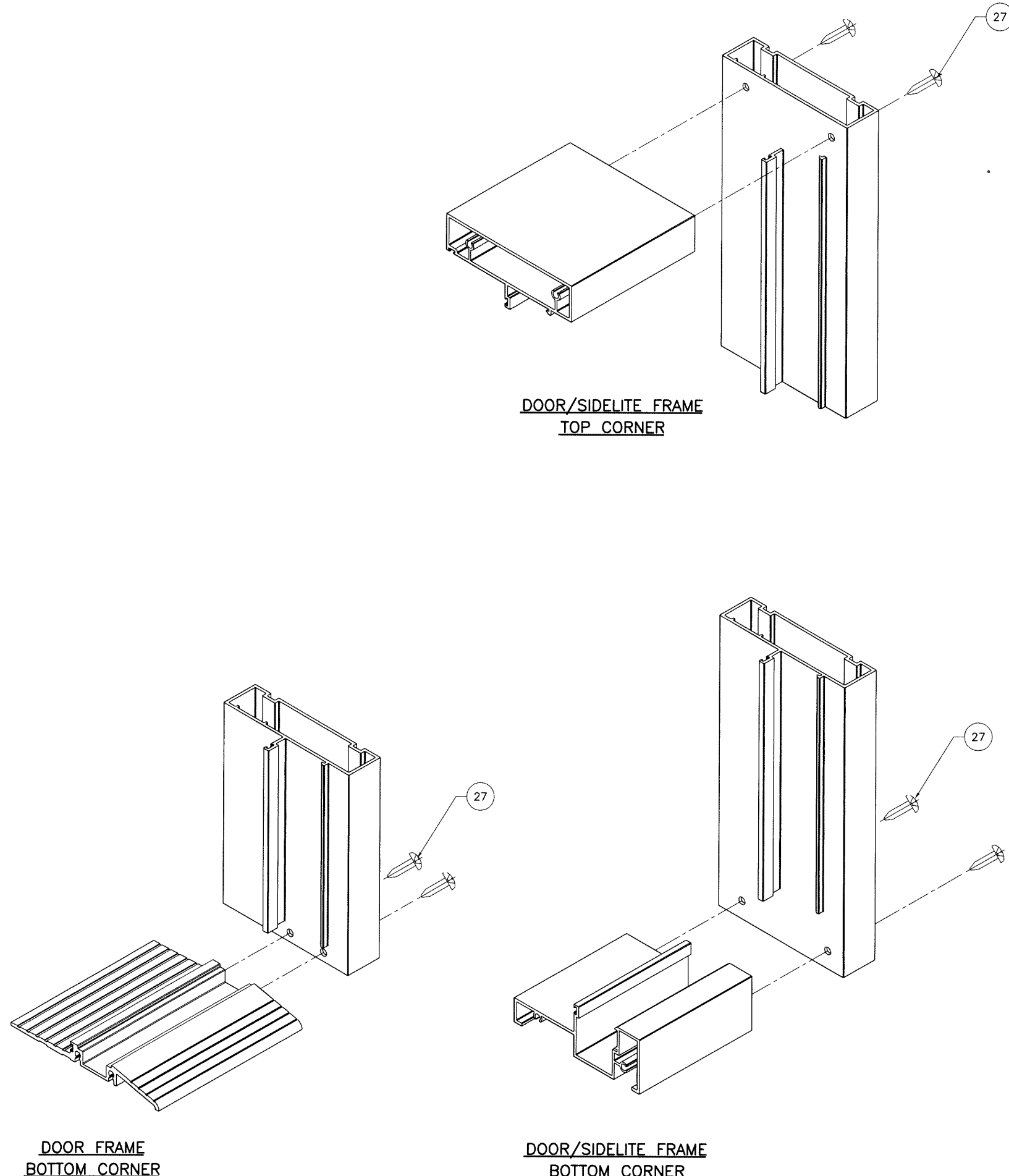
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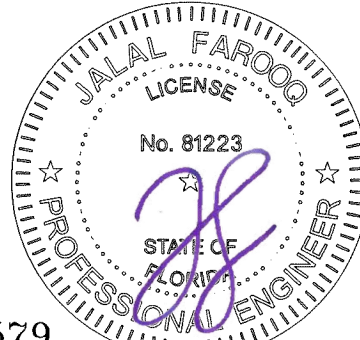
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