

SERIES-200
RESIDENTIAL OUTSWING DOOR WITH SIDELITES

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 APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

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.

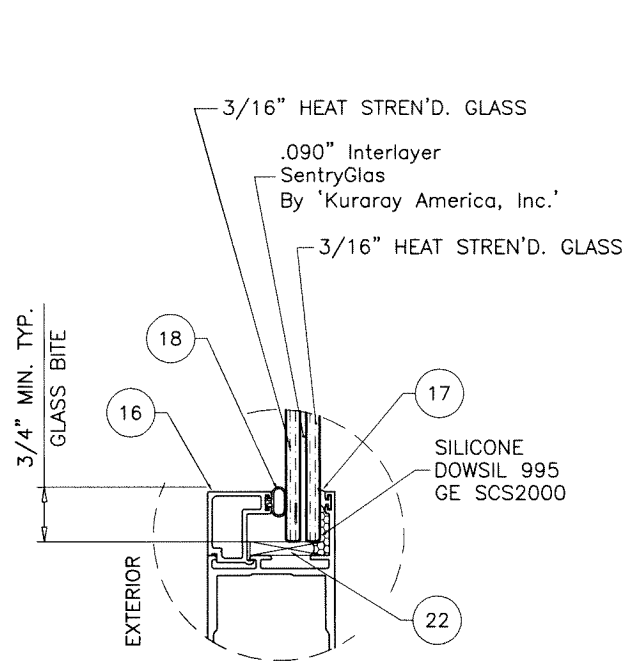
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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.

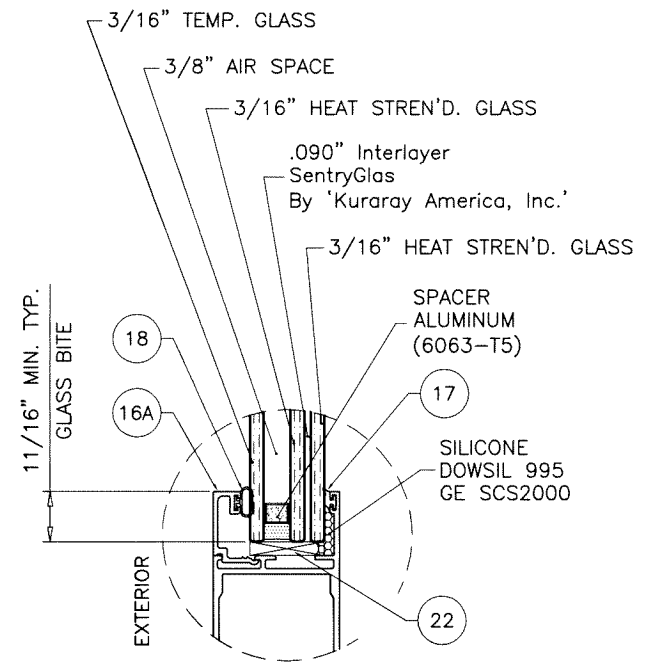
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, 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.



GLASS TYPE 'A'



GLASS TYPE 'Ai'

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 4.
- STEP 5** THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

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

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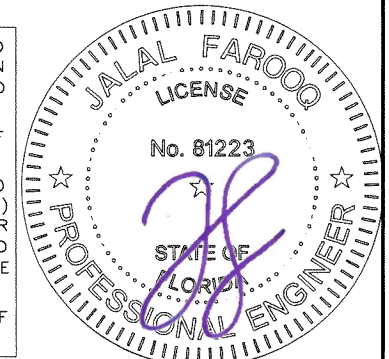
FL #47098

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
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FBPE #3538

SERIES-200 RESIDENTIAL OUTSWING DOOR W/ SIDELITES (L.M.I.)

LUXGARD Windows And Doors LLC.
1606 W. 31 Place
Hialeah, FL 33012
Tel. (305) 216-4554 Fax. (-)

revisions:

no	date	by	description

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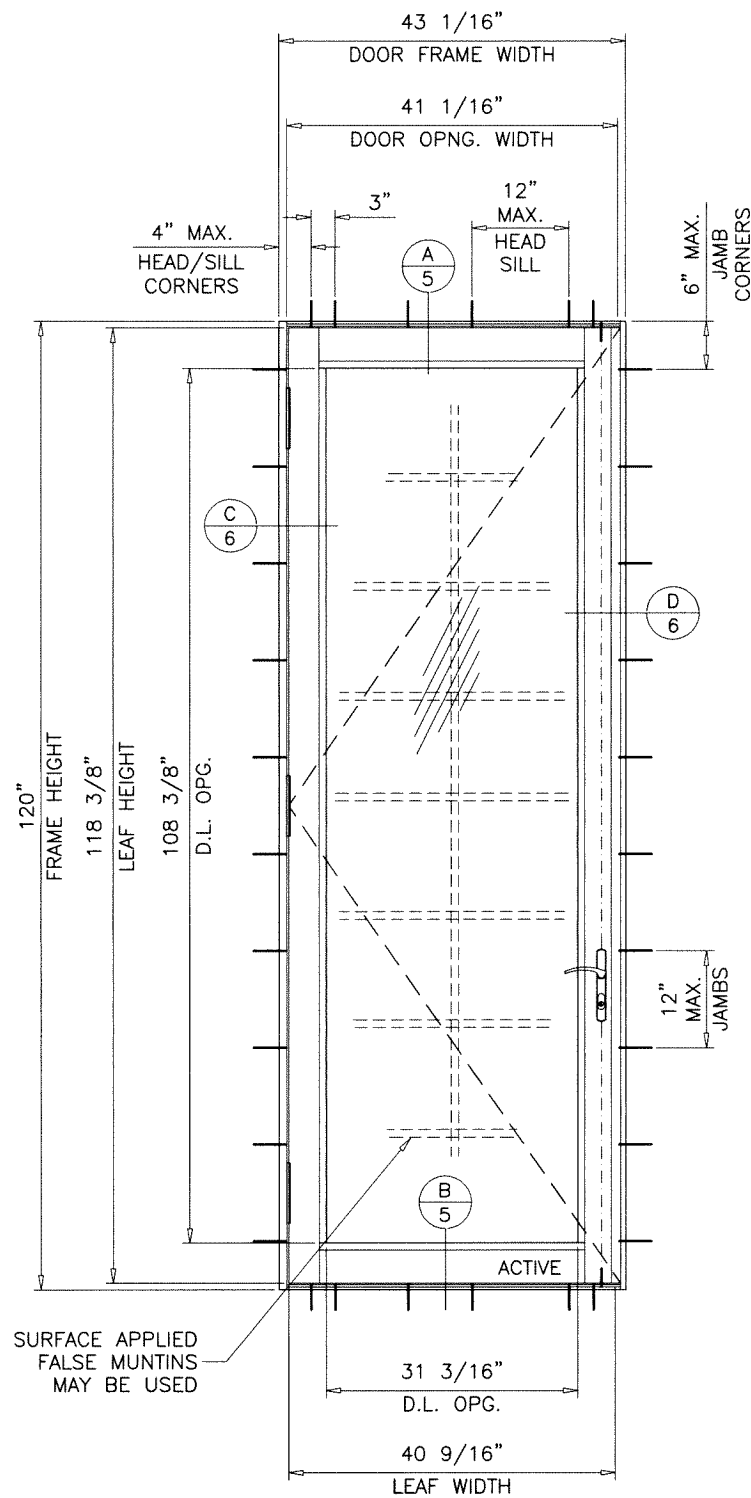
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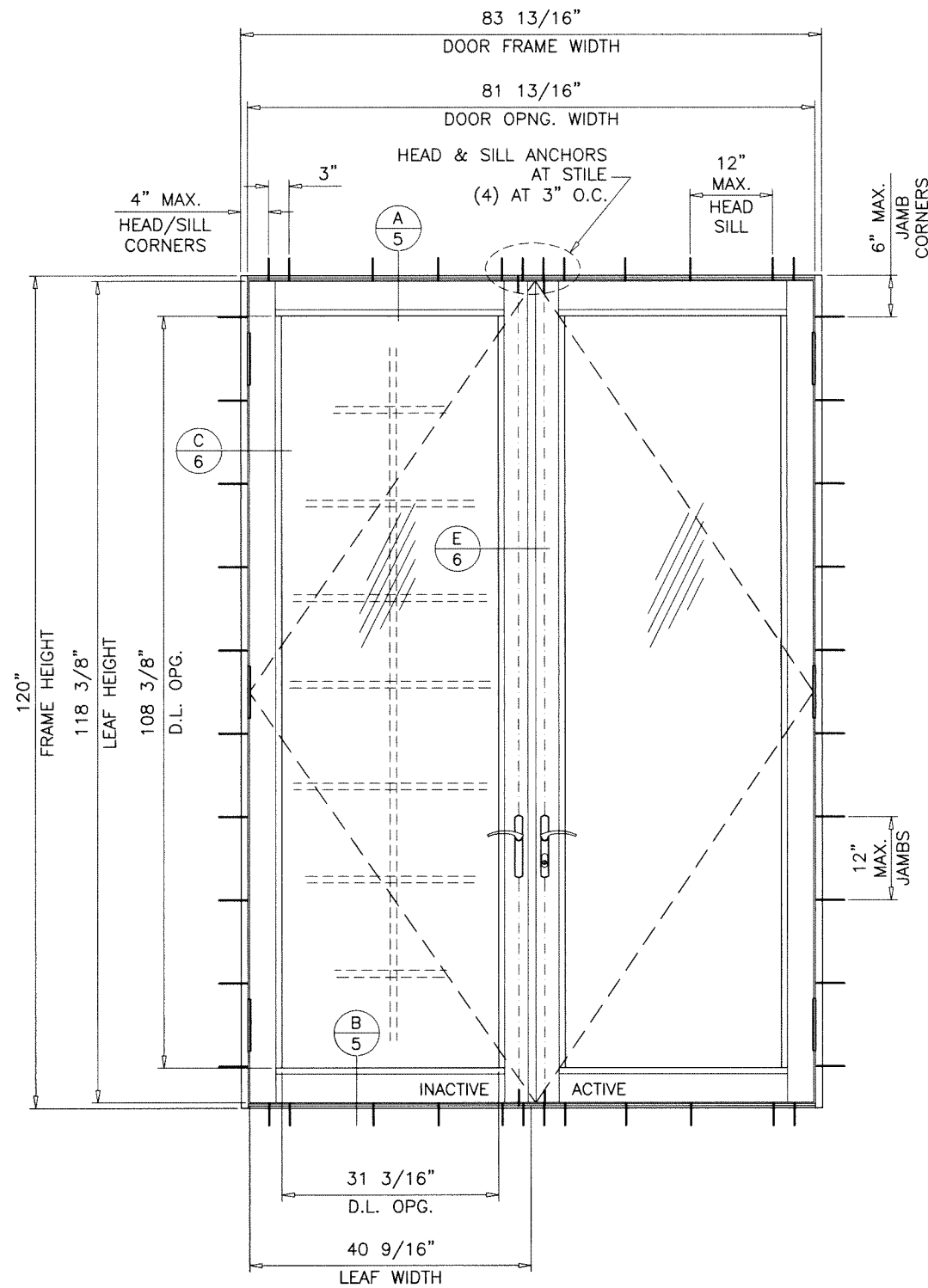
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TYPICAL ELEVATION
(X)

SINGLE DOORS LOAD CAPACITY - PSF					
FRAME		LEAF		EXT.(+)	INT.(-)
WIDTH	HEIGHT	WIDTH	HEIGHT		
43-1/16"	120"	40-9/16"	118-3/8"	60.0	60.0

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

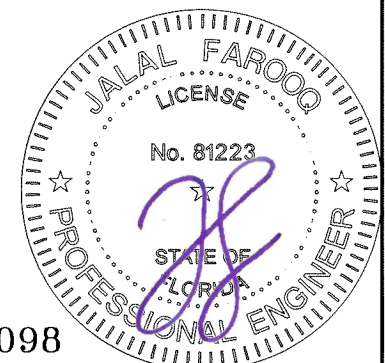


TYPICAL ELEVATION
(XX)

DOUBLE DOORS LOAD CAPACITY - PSF					
FRAME		LEAF		EXT.(+)	INT.(-)
WIDTH	HEIGHT	WIDTH	HEIGHT		
83-13/16"	120"	40-9/16"	118-3/8"	60.0	60.0

GLASS D.L.O. FORMULAE:
D.L.O. WIDTH = FRAME WIDTH - 11.875" (X DOORS)
= (FRAME WIDTH - 21.438")/2 (XX DOORS)
D.L.O. HEIGHT = FRAME HEIGHT - 11.625"

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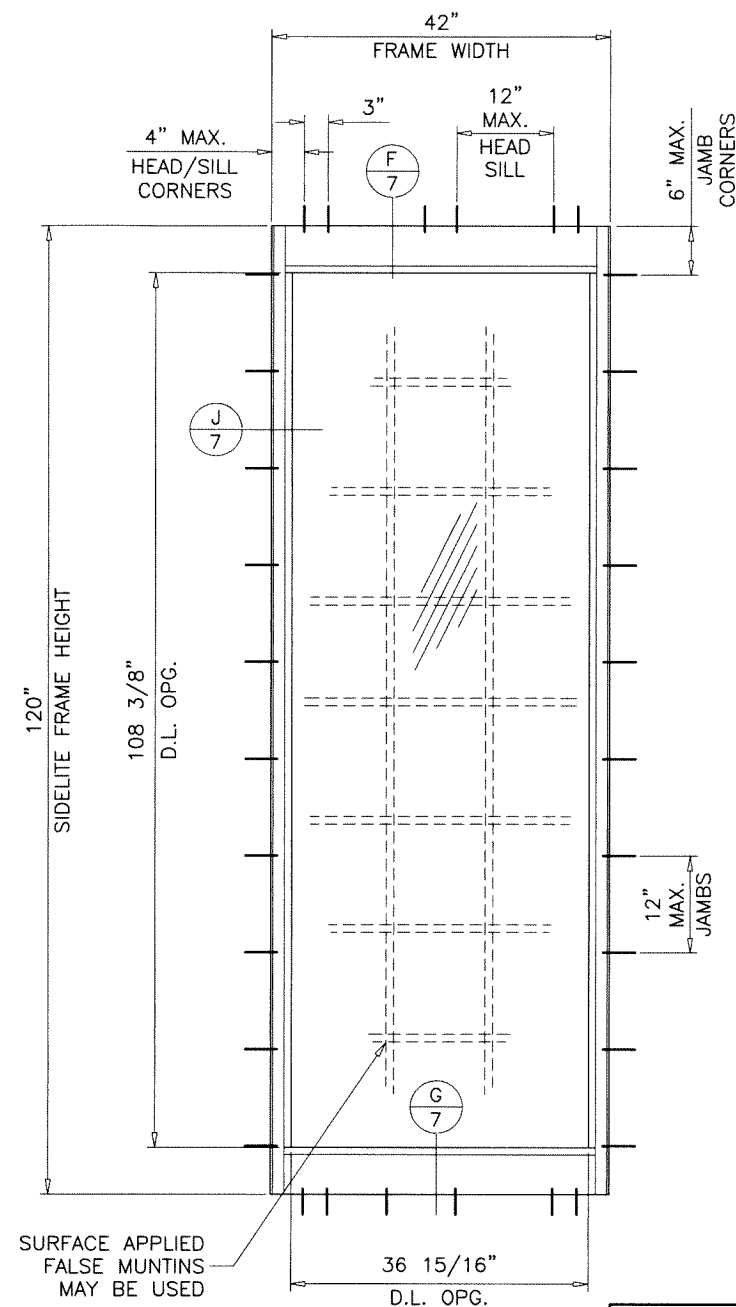
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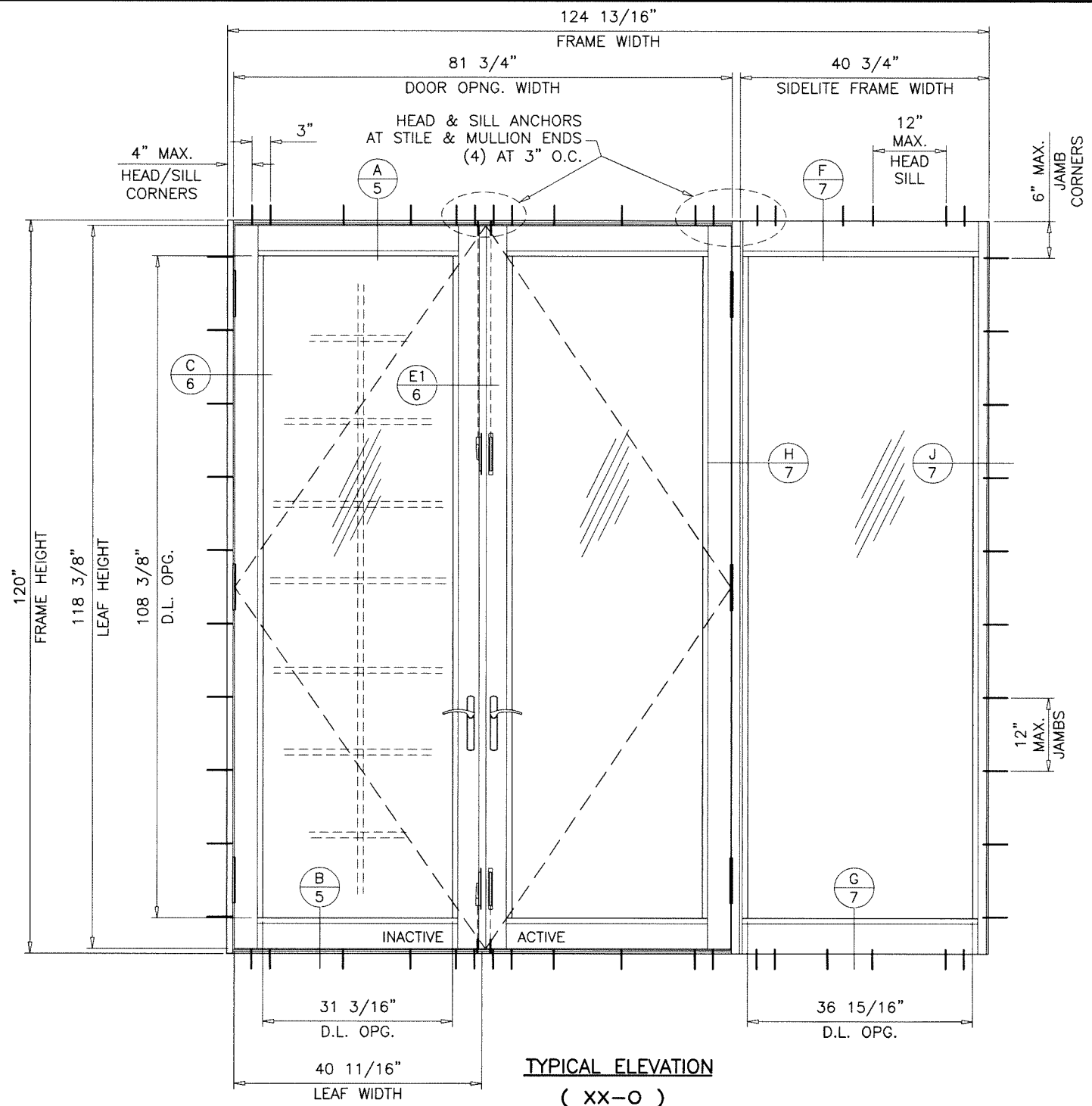
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TYPICAL ELEVATION
(O)

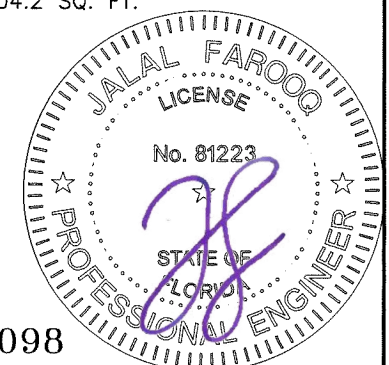
SIDELITE LOAD CAPACITY - PSF OR STAND ALONE STATIONARY PANEL (O)			
FRAME		EXT.(+)	INT.(-)
WIDTH	HEIGHT		
24"	90"	60.0	60.0
30"		60.0	60.0
38"		60.0	60.0
42"		60.0	60.0
48"		52.5	52.5
54"		46.7	46.7
24"	96"	60.0	60.0
30"		60.0	60.0
38"		60.0	60.0
42"		60.0	60.0
48"		52.5	52.5
24"	120"	60.0	60.0
30"		60.0	60.0
38"		60.0	60.0
42"		60.0	60.0



TYPICAL ELEVATION
(XX-O)

NOTE:
THE FRAME AREA OF ALTERNATE SIZE MUST NOT
EXCEED TESTED FRAME AREA = 104.2 SQ. FT.

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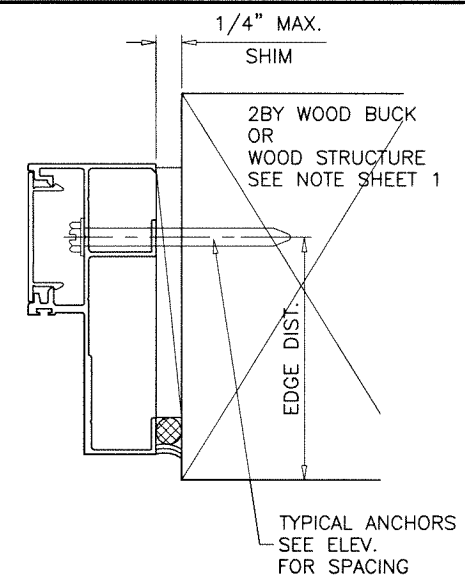
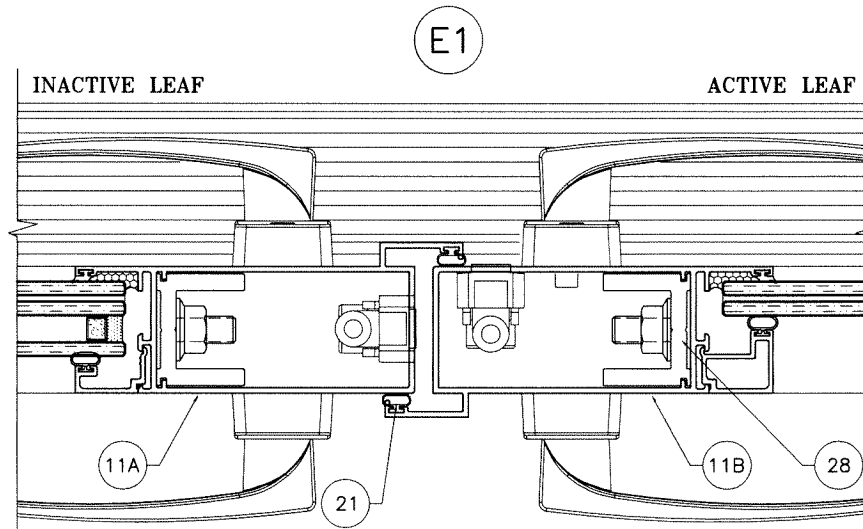
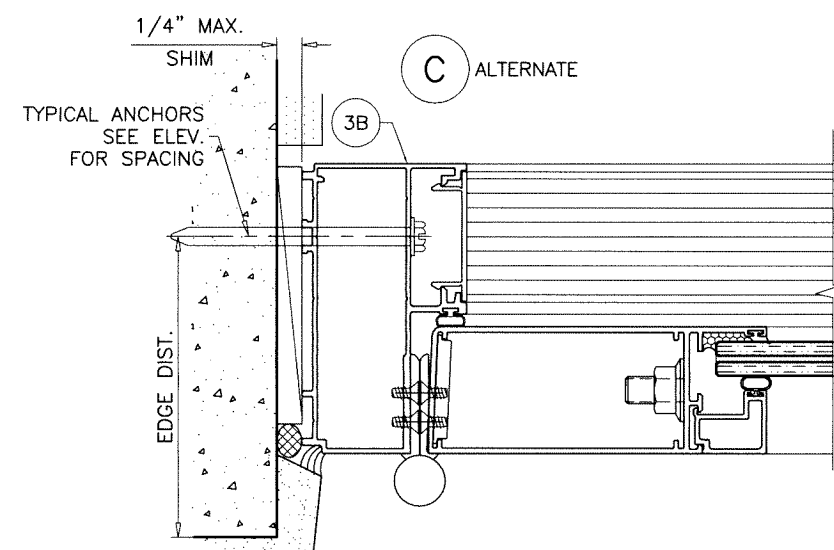
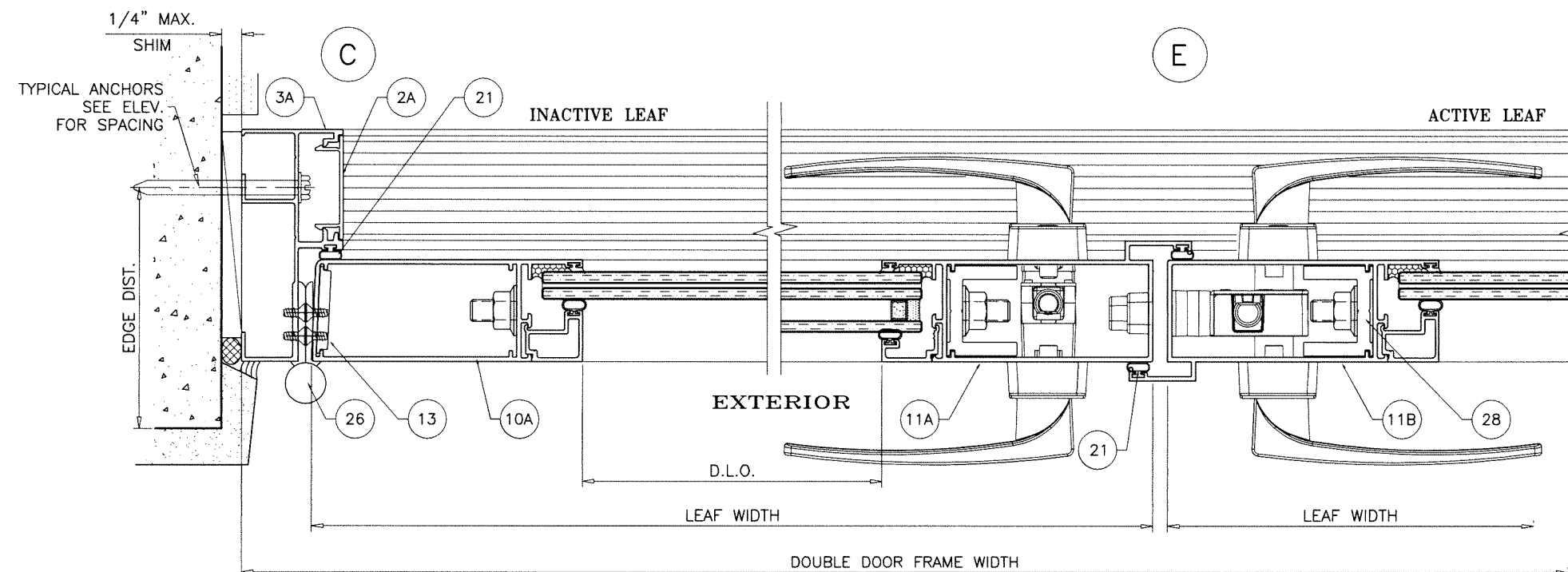
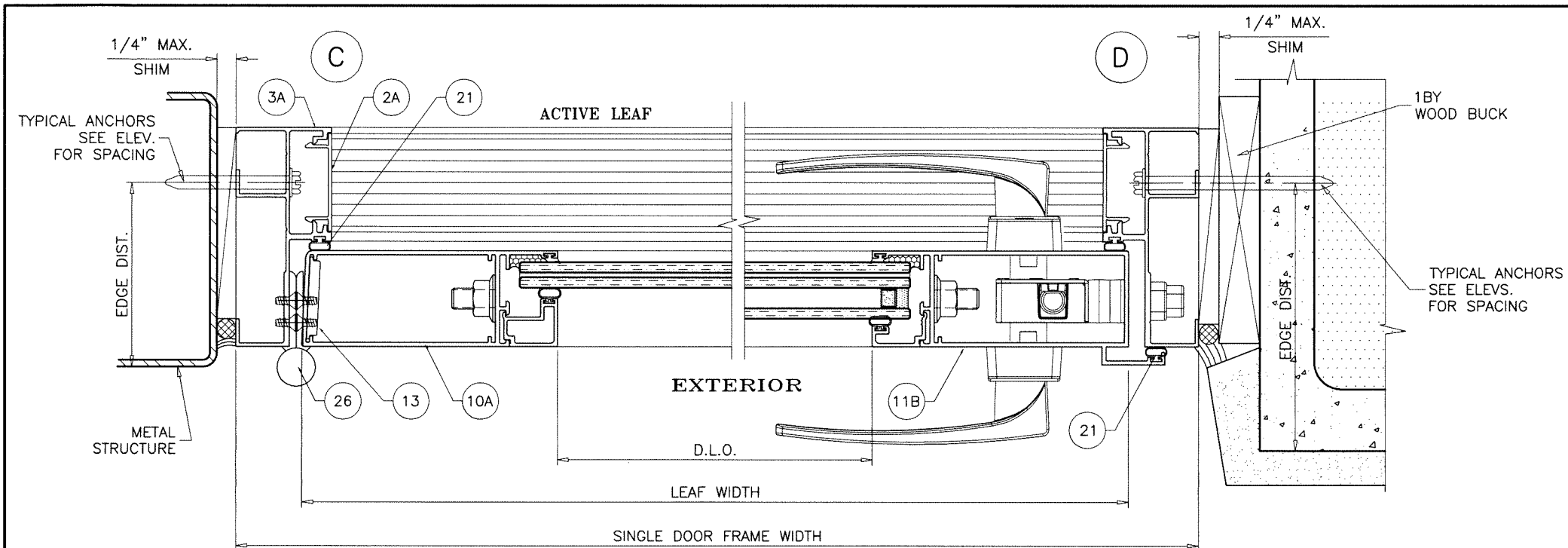
D.L.O. HEIGHT (SIDELITE) = FRAME HEIGHT - 11.625"
D.L.O. WIDTH (SIDE LITE) = FRAME WIDTH - 5.062"

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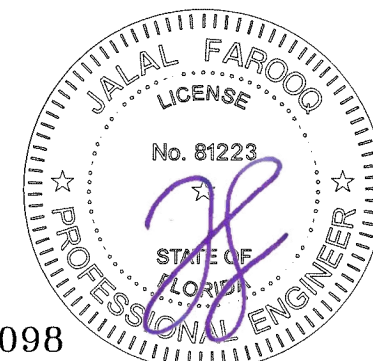
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DOOR DETAILS



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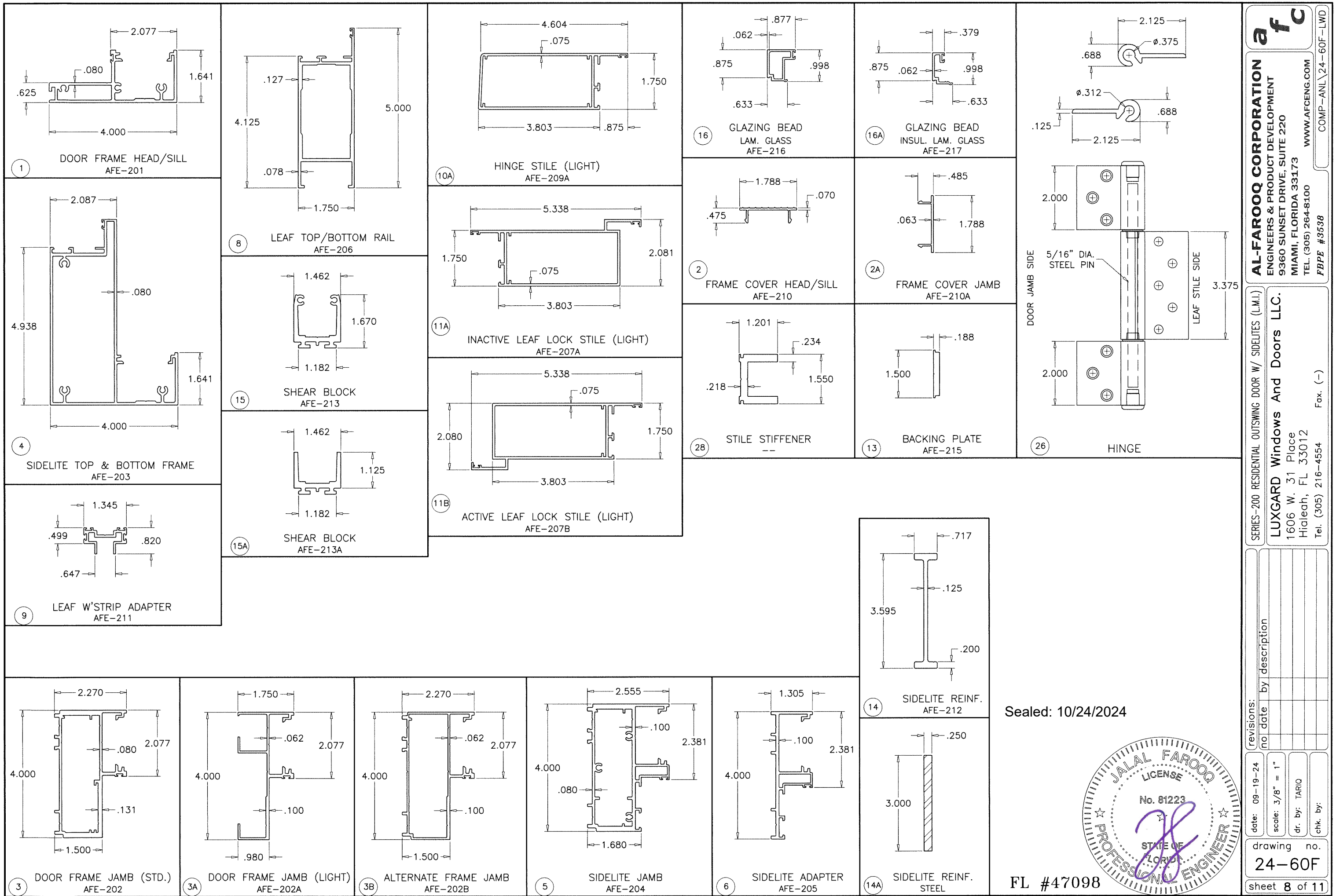
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LOCKS:

OPTION #1:

ACTIVE LEAF:

3 POINT LOCK ASSEMBLY DL01-6065 BY 'INTERLOCK USA INC.'
(1) LOCKING POINTS ENGAGING AT INACTIVE LEAF AT STRIKE PLATE
1/2" DIA. BOLTS WITH 5/8" THROW (1) AT TOP ENGAGING FRAME
HEAD AND (1) AT BOTTOM ENGAGING FRAME SILL
THROW BOLTS ATTACHED TO LOCK BY 3/8" CONNECTING RODS
LOCK HANDLE LOCATED AT 42-1/2" FROM BOTTOM

INACTIVE LEAF:

2 POINT LOCK ASSEMBLY BY 'INTERLOCK USA INC.'
1/2" DIA. BOLTS WITH 5/8" THROW AT TOP AND BOTTOM ENGAGING
FRAME HEAD AND FRAME SILL
THROW BOLTS ATTACHED TO LOCK BY 3/8" CONNECTING RODS
LOCK LOCATED AT 42-1/2" FROM BOTTOM

OPTION #2:

ACTIVE LEAF:

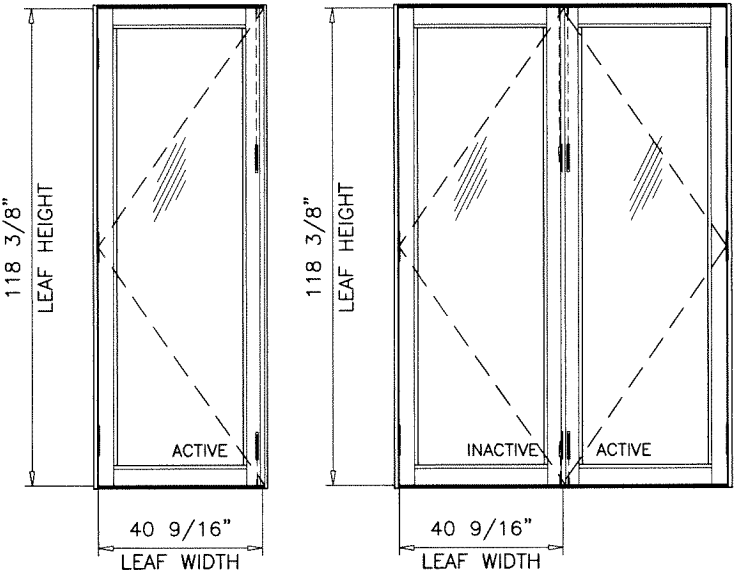
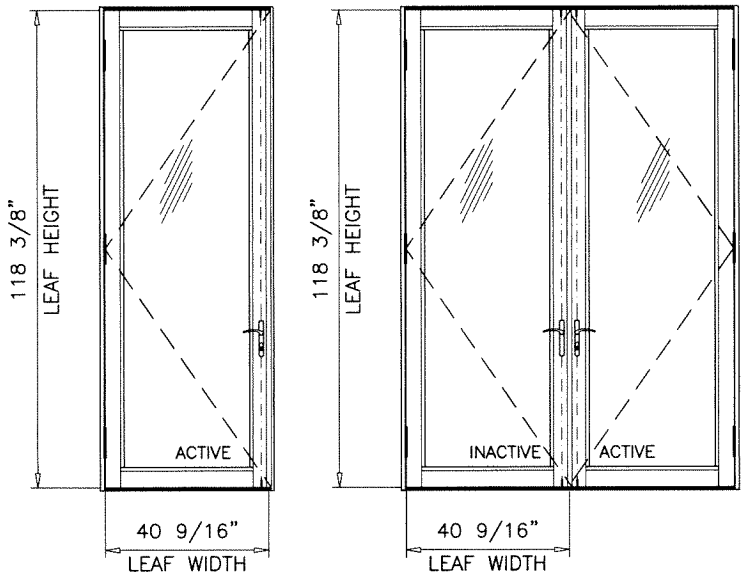
SURFACE BOLTS BY 'SULLIVAN & ASSOC.'
MANUALLY OPERATED LEVERS MOUNTED ON STILE FACE,
LOCATED AT 12" AND 68" FROM BOTTOM
FASTENED TO LOCK STILE WITH
#8 X 3/4" FH SMS (2) SCREWS PER BOLT

INACTIVE LEAF

CONCEALED FLUSH BOLTS BY 'SULLIVAN & ASSOC.'
MANUALLY OPERATED LEVERS MOUNTED ON
INSIDE FACE OF LEAF STILE LOCATED AT
28" FROM TOP AND 12" FROM BOTTOM
FASTENED TO LOCK STILE WITH
#8 X 3/4" FH SMS (2) PER BOLT

DOOR HANDLES:

SURFACE MOUNT METALLIC HANDLES AT 42-1/2" FROM BOTTOM
FASTENED TO ACTIVE AND INACTIVE LEAF LOCK STILES WITH
(2) 1/4-20 X 1-13/16" CONE HEAD MS
(4) 1/4-20 X 5/16" SET SCREWS



HINGES:

7-1/2" LONG ALUMINUM BUTT HINGES FD-107 BY 'SULLIVAN & ASSOC.'
(3) FOR DOORS UP TO 98" HEIGHTS
(4) FOR DOORS ABOVE 98" HEIGHTS
TOP AND BOTTOM HINGES AT 8" FROM ENDS
INTERMEDIATE HINGES EQUALLY SPACED
FASTENED TO FRAME WITH
(6) #10 X 3/4" FH SELF DRILLING SCREWS
FASTENED TO LEAF WITH
(5) #10 X 3/4" PH SELF DRILLING SCREWS

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ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	AFE-201	AS REQD.	DOOR FRAME HEAD/SILL	6063-T6	-
2	AFE-210	AS REQD.	FRAME COVER	6063-T6	-
2A	AFE-210A	AS REQD.	FRAME COVER	6063-T6	-
3	AFE-202	AS REQD.	DOOR FRAME JAMB (STD.)	6063-T6	-
3A	AFE-202A	AS REQD.	DOOR FRAME JAMB (LIGHT)	6063-T6	-
3B	AFE-202B	AS REQD.	ALTERNATE DOOR FRAME JAMB	6063-T6	-
4	AFE-203	AS REQD.	SIDELITE TOP & BOTTOM FRAME	6063-T6	-
5	AFE-204	AS REQD.	SIDELITE JAMB	6063-T6	-
6	AFE-205	AS REQD.	SIDELITE ADAPTER	6063-T6	-
8	AFE-206	AS REQD.	LEAF TOP & BOTTOM RAIL	6063-T6	-
9	AFE-211	AS REQD.	LEAF W'STRIP ADAPTER	6063-T6	
9A	#8 X 1"	AS REQD.	ADAPTER FASTENERS AT ?" FROM ENDS & ?" O.C. MAX.	ST. STEEL	FH SMS
10A	AFE-209A	AS REQD.	HINGE STILE (LIGHT)	6063-T6	-
11A	AFE-207A	AS REQD.	INACTIVE LEAF LOCK STILE (LIGHT)	6063-T6	-
11B	AFE-207B	AS REQD.	ACTIVE LEAF LOCK STILE (LIGHT)	6063-T6	-
13	AFE-215	AS REQD.	BACKING PLATE	6063-T6	-
14	AFE-212	AS REQD.	SIDELITE ALUMINUM REINF.	6063-T6	-
14A	-	AS REQD.	SIDELITE STEEL REINF.	-	A36, Fu MIN. = 58 KSI
15	AFE-213	AS REQD.	SHEAR BLOCK	6063-T6	3" LONG
15A	AFE-213A	AS REQD.	SHEAR BLOCK	6063-T6	3" LONG
16	AFE-2016	AS REQD.	GLAZING BEAD (LAM. GLASS)	6063-T6	-
16A	AFE-217	AS REQD.	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T6	-
17	82513	AS REQD.	INTERIOR GLAZING SPACER	TPV/POLYPRO	MELTPPOINT PLASTICS, DUROMETER 73±5 SHORE A
18	3063-BK-1000	AS REQD.	EXTERIOR GLAZING GASKET	PVC	MELTPPOINT PLASTICS, DUROMETER 75±5 SHORE A
19	W22342	AS REQD.	SINGLE FIN PILE W'STRIPPING	WOOL	ULTRAFAB
21	E218	AS REQD.	BULB W'STRIPPING	EPDM	ULTRAFAB
22	-	2/ LITE	SETTING BLOCK, 1/8" X 1" X 4" LONG	EPDM	AT 6" FROM EACH END, DUROMETER 80±5
23	#12 X 1-1/2"	AS REQD.	FRAME ASSEMBLY SCREWS	ST. STEEL	HWH SMS
24	-	2/ PANEL	3/8" DIA. THREADED ROD WITH HEX WASHER HEAD NUT	STEEL	AT TOP & BOTTOM & AT INTERMEDIATE HORIZONTAL
25	#12 X 1-1/2"	AS REQD.	SHEAR BLOCK FASTENERS	ST. STEEL	HWH SMS
26	-	3/ LEAF	HINGES	ALUMINUM	-
27	-	-	LOCK	-	-
28	-	AS REQD.	STILE STIFFENER	6063-T6	-
29	-	-	-	-	-

SEALANTS:

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

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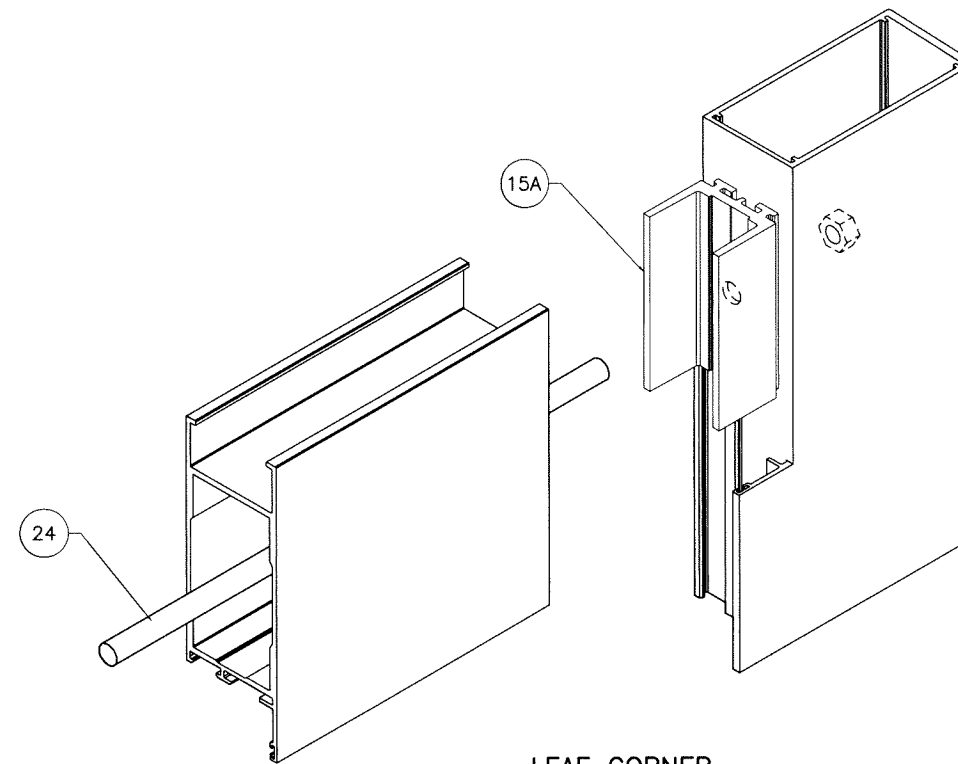
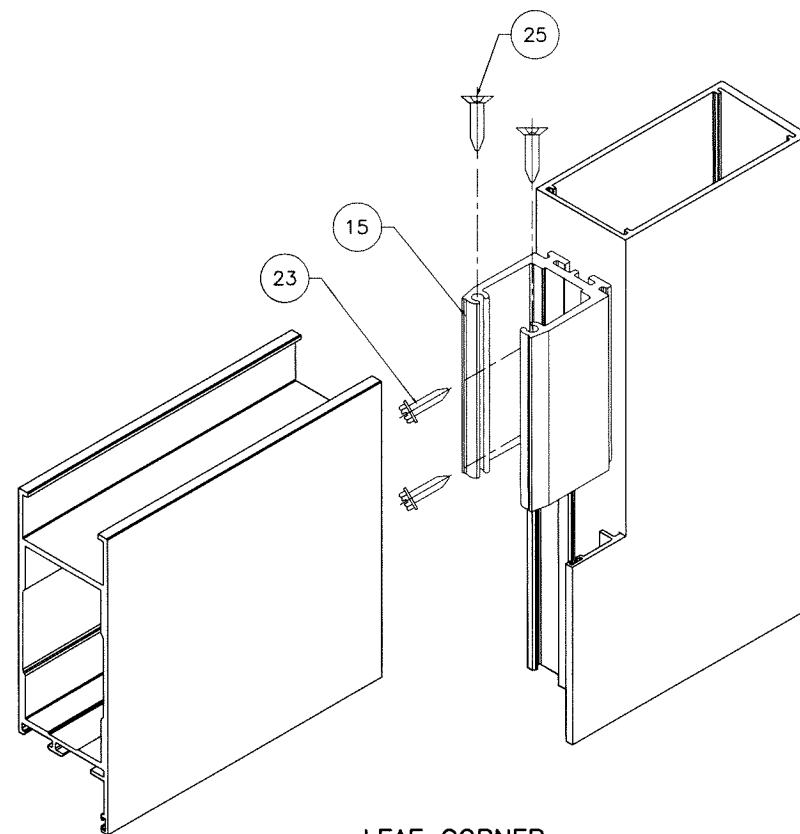
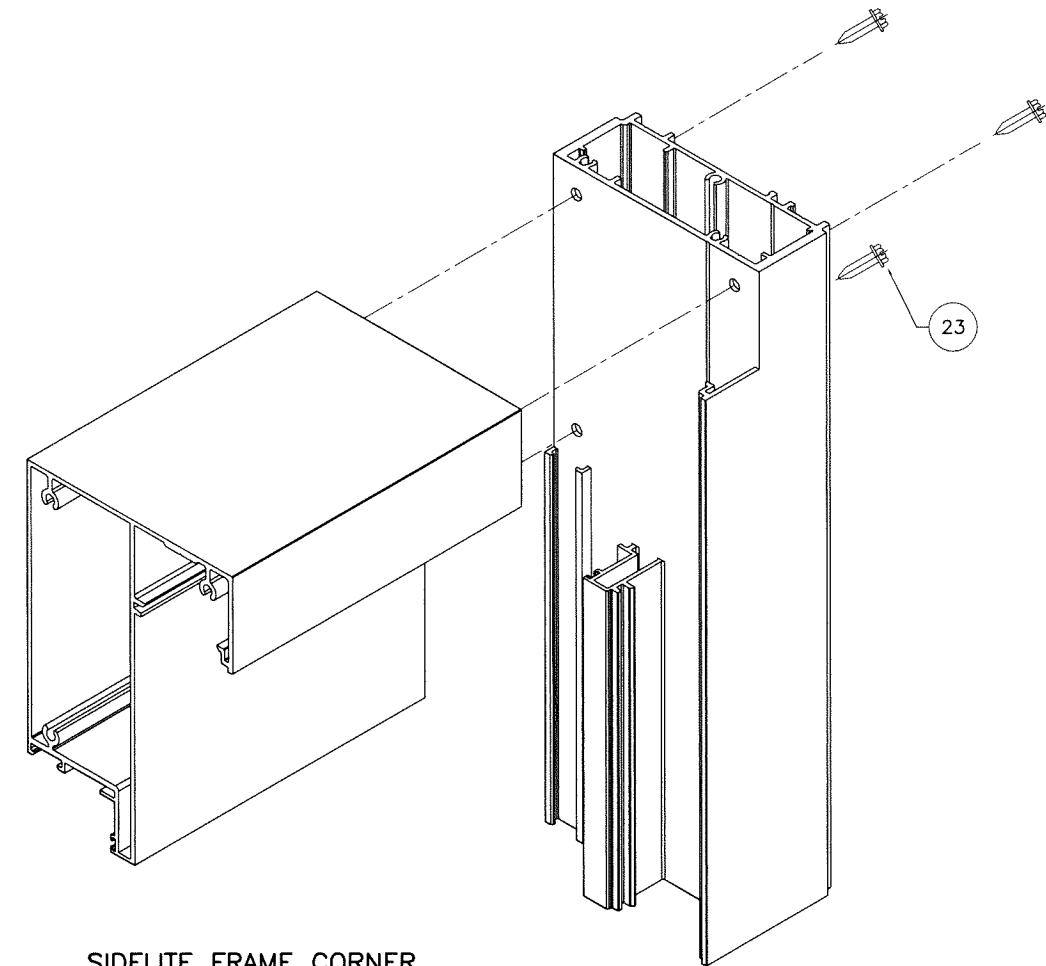
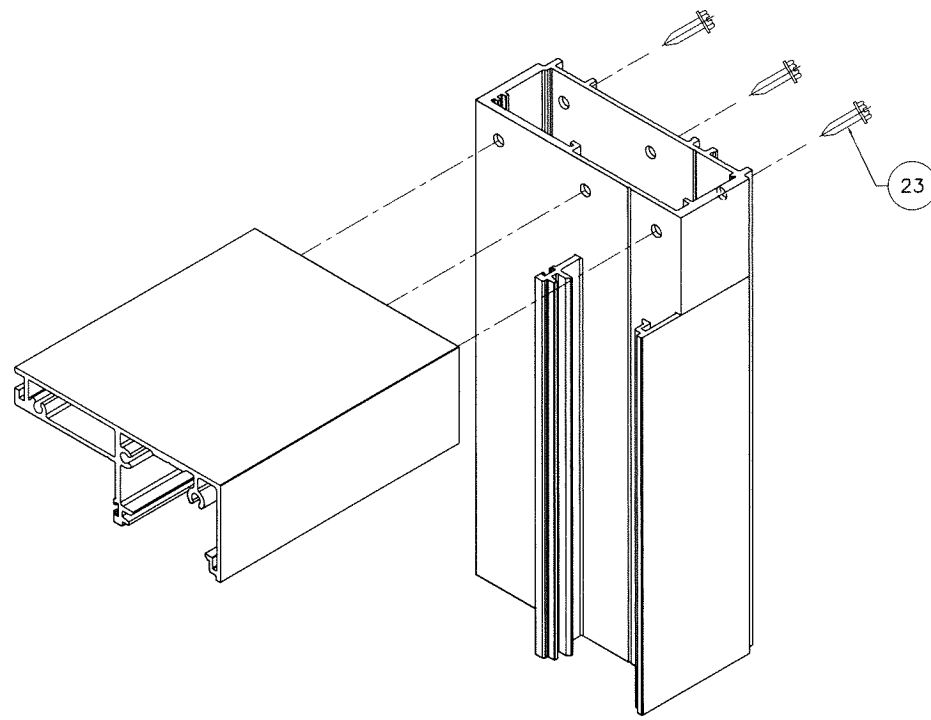
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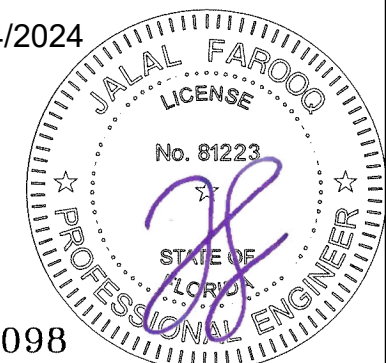
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