

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

SERIES 100
ALUMINUM OUTSWING ENTRANCE DOOR

SINGLE (X) AND DOUBLE (XX) LEAF DOORS SEE SHEETS 2.
SINGLE AND DOUBLE LEAF DOORS WITH SIDELITES SEE SHEETS 3 & 4.
LOWER VALUES FROM SIDELITE CAPACITY CHART OR DOOR CAPACITY
WILL APPLY TO ENTIRE SYSTEM.

DOORS APPROVED FOR INSTALLATION WHERE WATER INFILTRATION
RESISTANCE IS REQUIRED.

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.

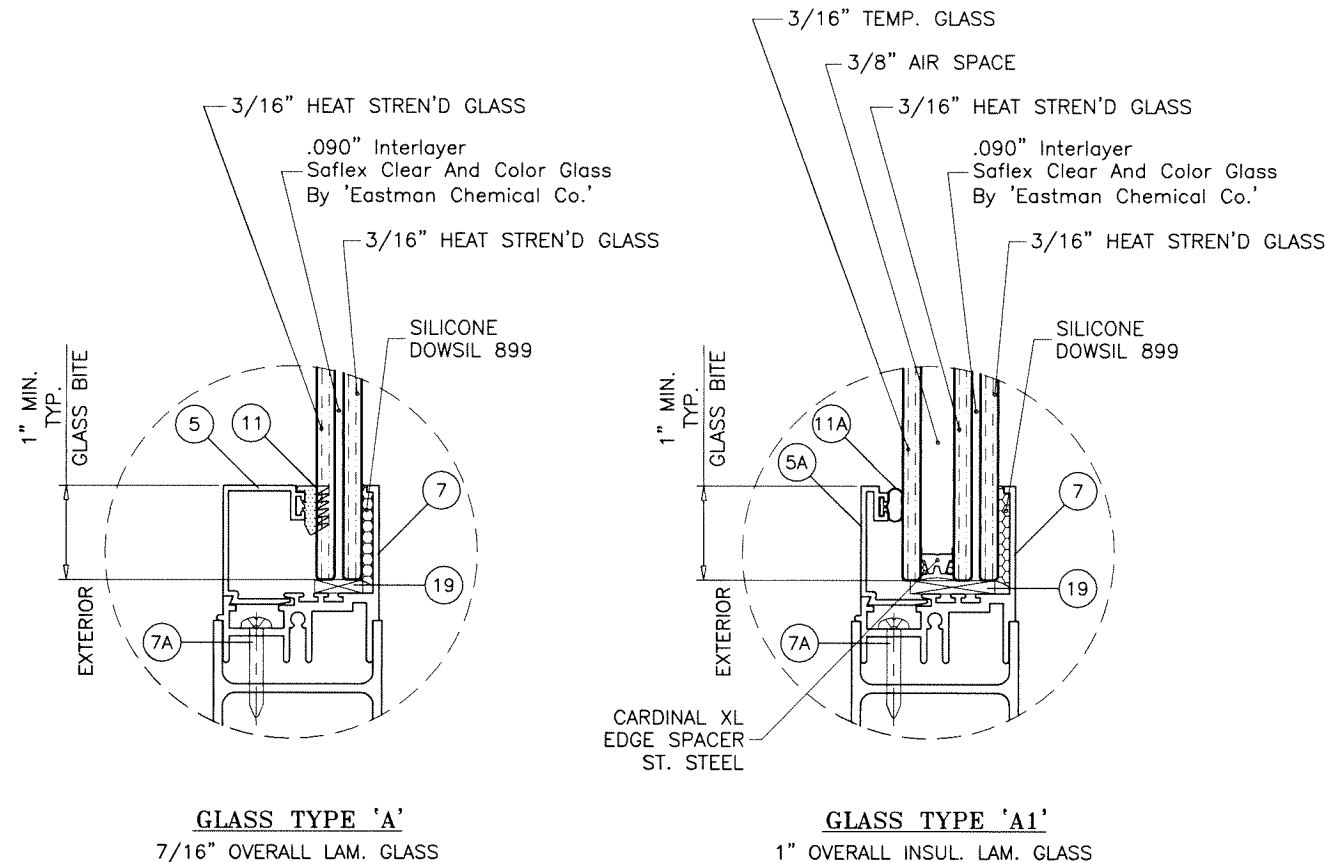
A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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)'.

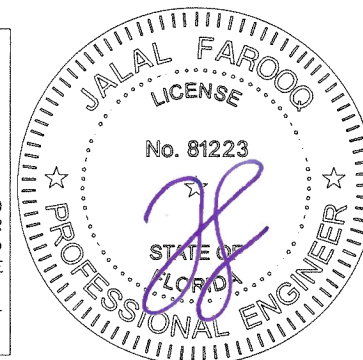
MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION
IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE.
LABELING TO COMPLY WITH SECTION 1709.9.2.



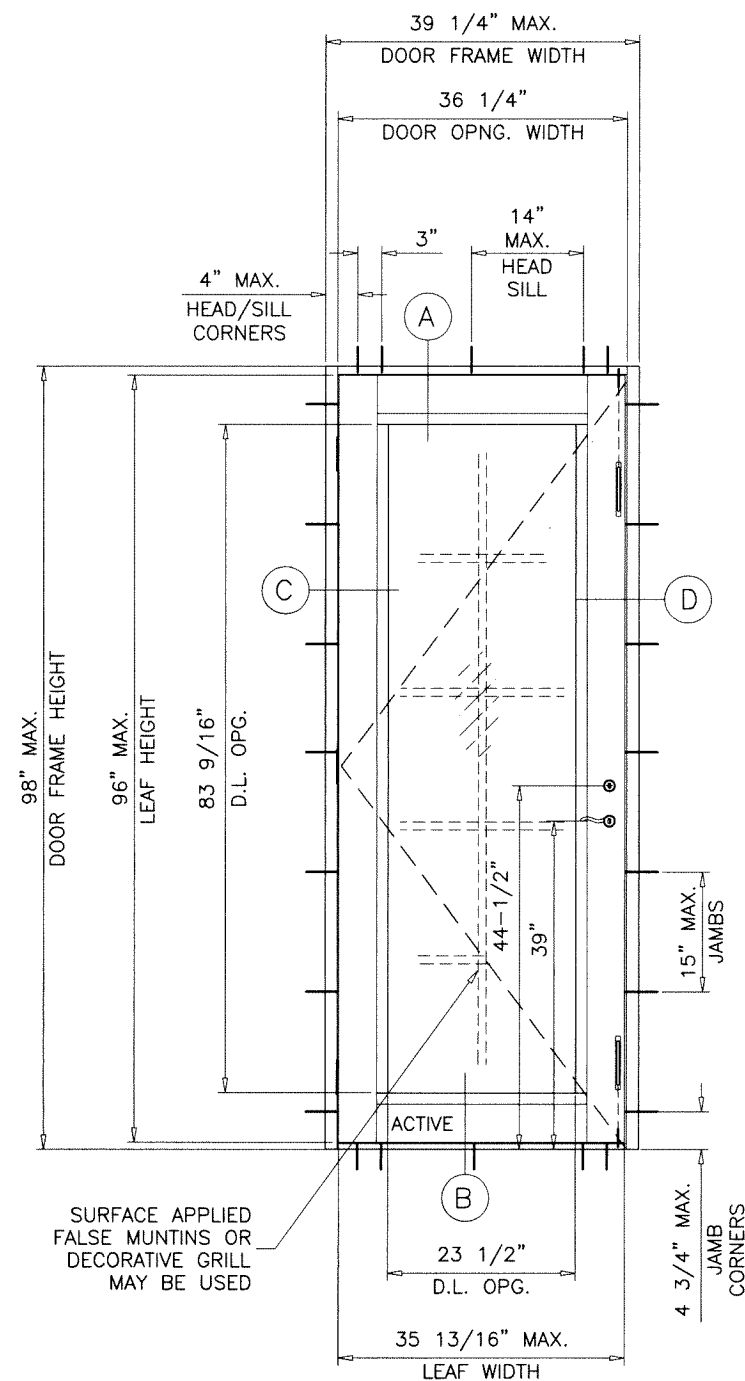
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FL #22255

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.

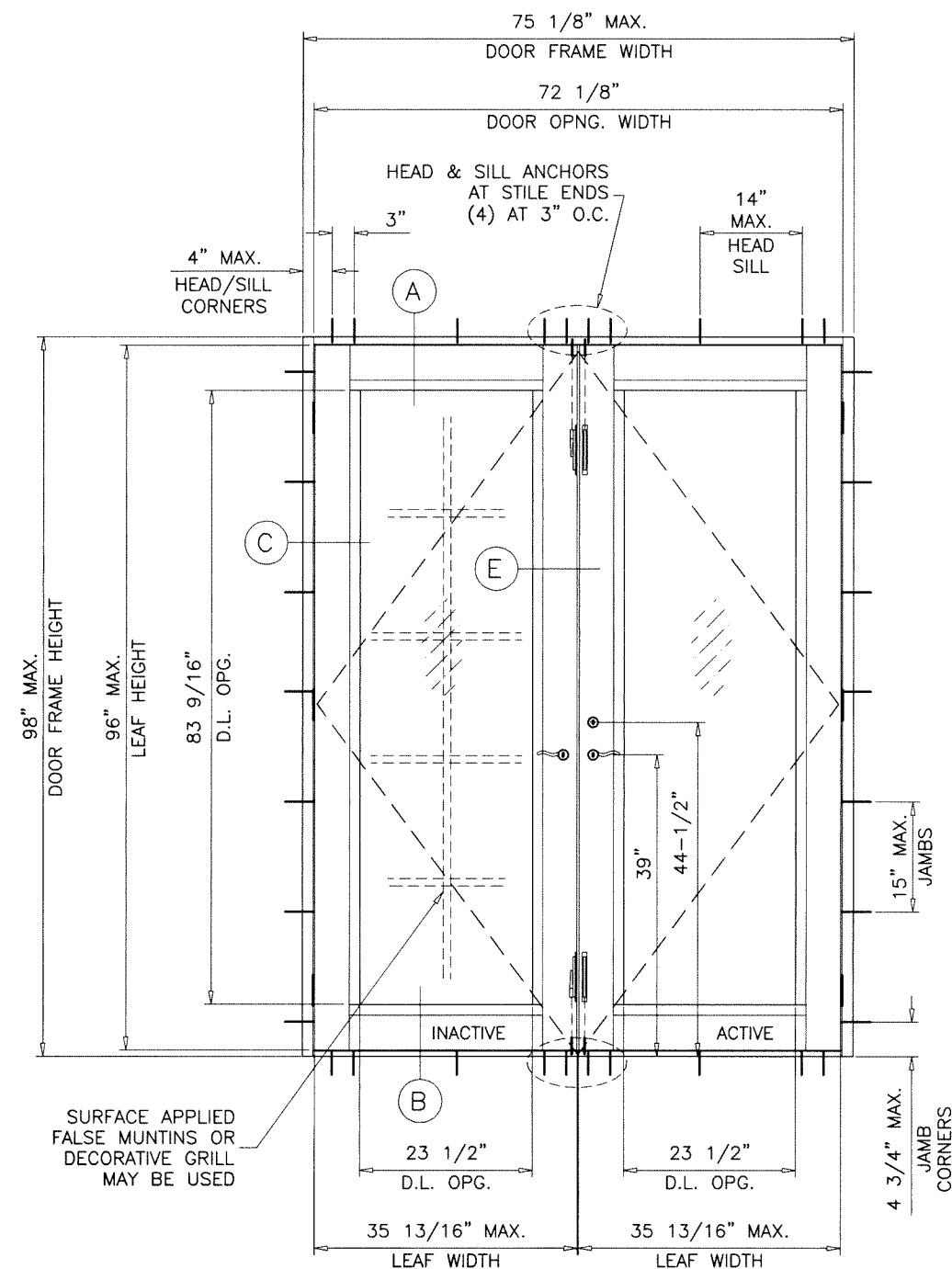


AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978 COMP-ANL\W17-31NA			
SERIES-100 ALUM OUT-SWING DOOR W/ SIDELITES (L.M.I.)			
New Age Windows & Doors Corp. 7196 N.W. 77TH TERRACE MEDLEY, FL. 33166 TEL. (305) 889-0703 FAX. (305) 889-0710			
revisions:	no	date	by
	A	08.14.17	UPDATED TO 2017 FBC
	B	12.20.17	INTERLAYER REV.
	C	06.15.20	UPDATED TO 2020 FBC
	D	07.12.23	UPDATED TO 2023 FBC
date:	03-17-17	scale:	3/8" = 1"
dr. by:	TARIQ	chk. by:	
drawing no.	W17-31		
sheet	1 of 10		



DOORS LOAD CAPACITY - PSF SINGLE DOORS (X)			
DOOR DIMS.		GLASS TYPES 'A' & 'A1'	
FRAME WIDTH	FRAME HEIGHT	EXT.(+)	INT.(-)
39-1/4"	98"	60.0	80.0

GLASS D.L.O. FORMULAE:
D.L.O. WIDTH = FRAME WIDTH - 15.750" (X DOORS)
= (FRAME WIDTH - 28.125")/2 (XX DOORS)
D.L.O. HEIGHT = FRAME HEIGHT - 14.438"



DOORS LOAD CAPACITY - PSF DOUBLE DOORS (XX)			
DOOR DIMS.		GLASS TYPES 'A' & 'A'	
FRAME WIDTH	FRAME HEIGHT	EXT.(+)	INT.(-)
75-1/8"	98"	60.0	80.0

NOTE:
EGRESS REQUIREMENTS TO BE REVIEWED
BY BUILDING OFFICIAL.

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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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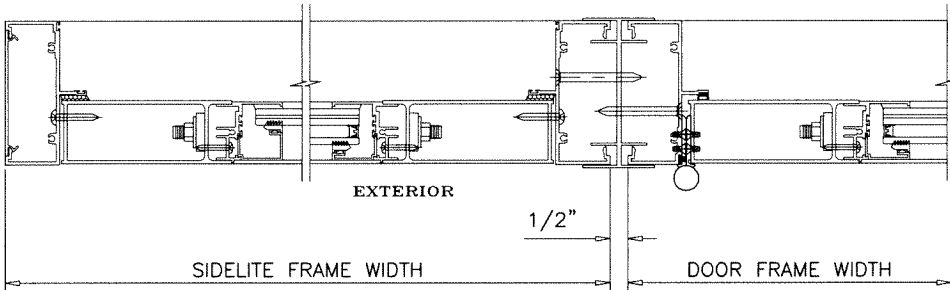
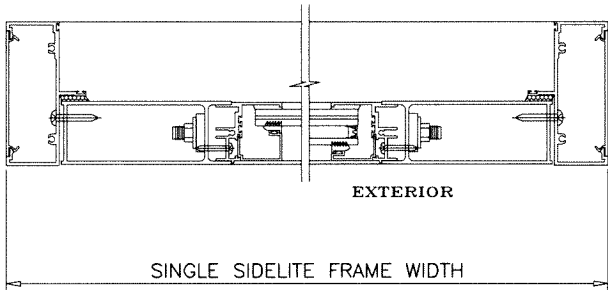
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scale: 1/2"=1'-0"	no.	date	by description
dr. by: TARIQ			
chk. by:			
drawing no. W17-31			
sheet 2 of 10			

DESIGN LOAD CAPACITY - PSF STAND ALONE SINGLE SIDELITES			
SIDELITE FRAME WIDTH INCHES	SIDELITE FRAME HEIGHT INCHES	GLASS TYPES 'A' & 'A1'	
		EXT.(+)	INT.(-)
30	72	60.0	80.0
36		60.0	80.0
42		60.0	80.0
43		60.0	80.0
30	84	60.0	80.0
36		60.0	80.0
42		60.0	80.0
43		60.0	80.0
30	96	60.0	80.0
36		60.0	80.0
42		60.0	71.8
43		60.0	70.2
30	98	60.0	80.0
36		60.0	80.0
42		60.0	68.8
43		60.0	67.2

DESIGN LOAD CAPACITY - PSF SIDELITES WITH SINGLE OR DOUBLE LEAF DOORS (SEE NOTE BELOW)			
SIDELITE FRAME WIDTH INCHES	SIDELITE FRAME HEIGHT INCHES	GLASS TYPES 'A' & 'A1'	
		EXT.(+)	INT.(-)
30	72	60.0	80.0
36		60.0	80.0
42		60.0	80.0
43		60.0	80.0
30	84	60.0	80.0
36		60.0	80.0
42		60.0	80.0
43		60.0	80.0
30	90	60.0	80.0
36		60.0	80.0
42		60.0	77.6
43		60.0	75.8
30	96	60.0	80.0
36		60.0	79.1
42		60.0	67.8
43		60.0	66.2
30	98	60.0	80.0
36		60.0	75.8
42		60.0	64.9
43		60.0	63.4



NOTE:
 FOR DOORS CAPACITIES SEE SHEET 2.
 FOR SIDELITE CAPACITIES SEE CHART ABOVE.
 LOWER VALUES FROM DOOR OR SIDELITE CHART
 WILL APPLY TO ENTIRE SYSTEM.

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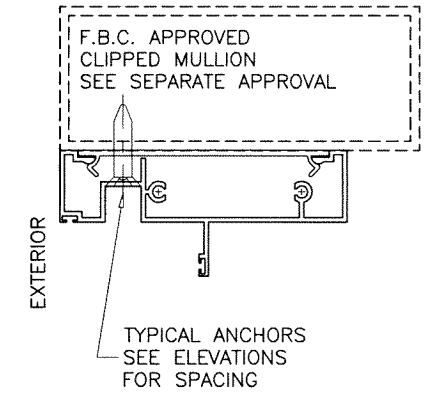
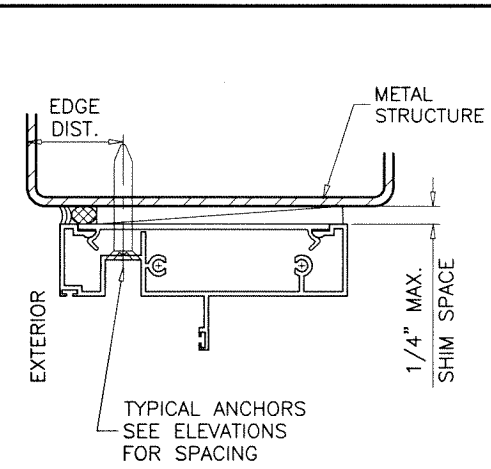
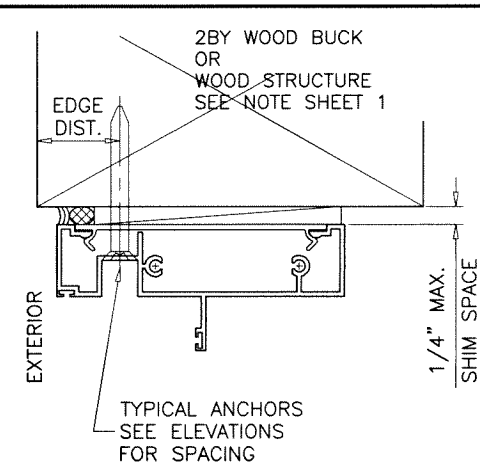
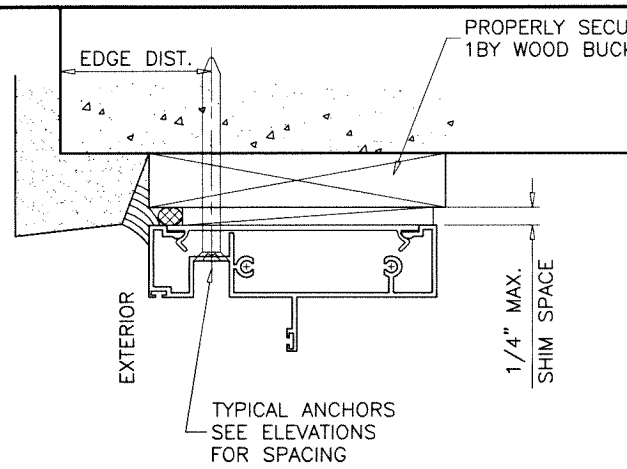
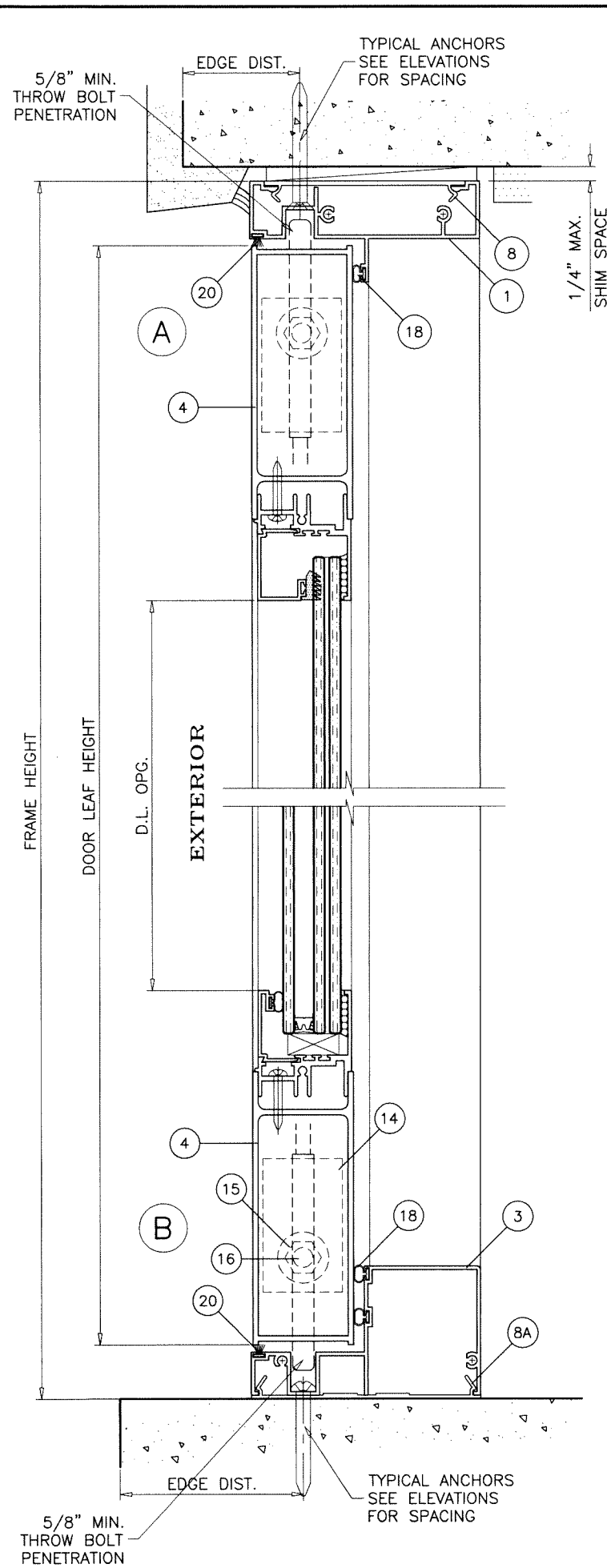
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chk. by:

drawing no. **W17-31**

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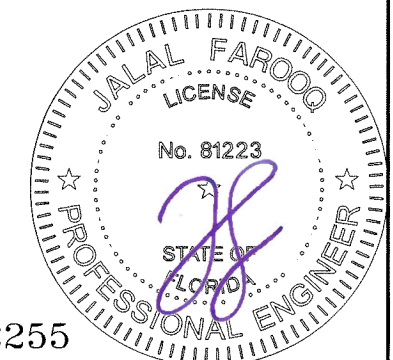


1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'NEW AGE WINDOWS' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

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)
 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/SILL/JAMBS)
 (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
 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)

TYPICAL EDGE DISTANCE
 INTO CONCRETE AND MASONRY = 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 GROUT FILLED BLOCK AT JAMBS f'm = 2000 PSI MIN.

DOOR DETAILS



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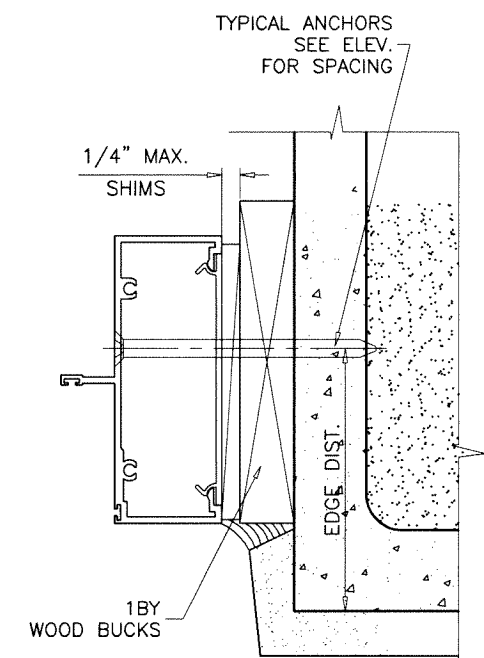
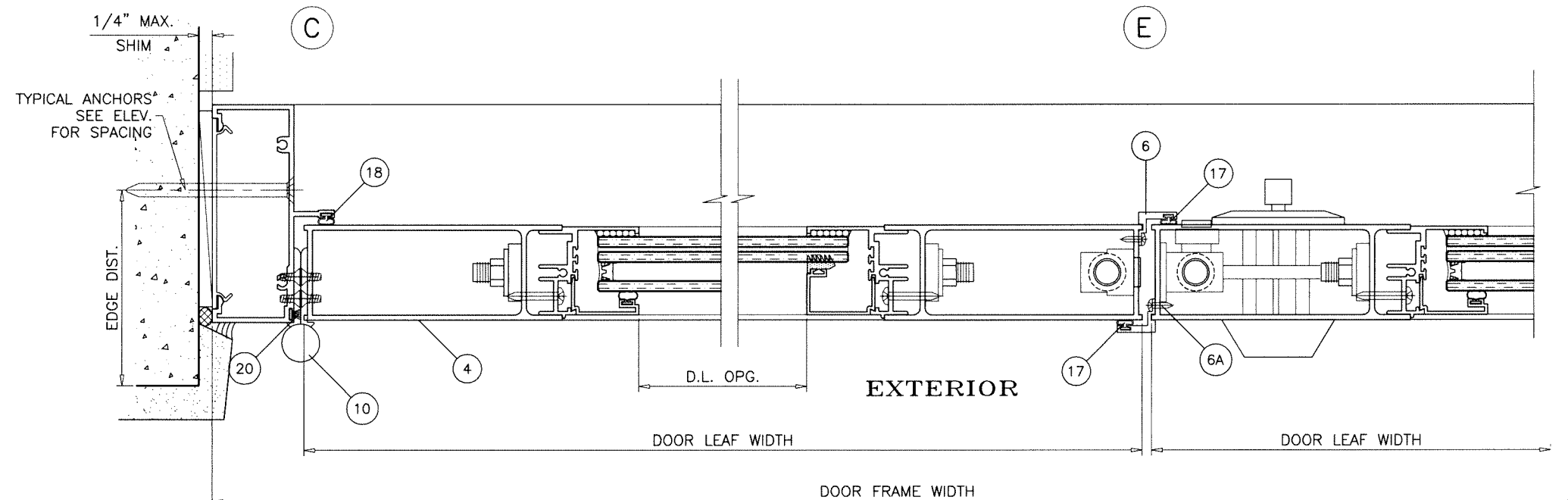
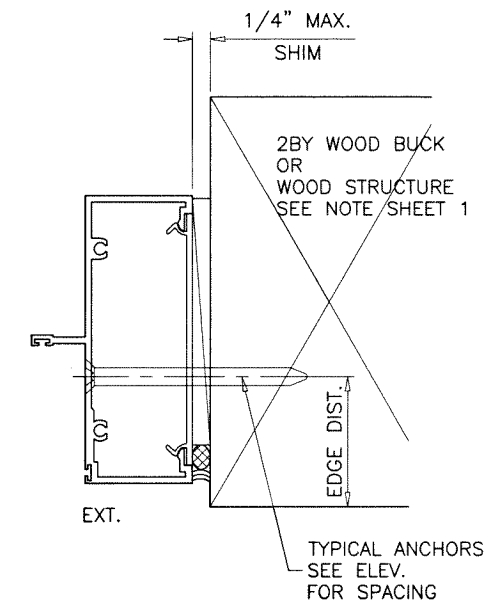
revisions:

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date: 03-17-17 scale: 3/8" = 1" dr. by: TARIQ chk. by:

drawing no. **W17-31**

sheet 5 of 10



A circular professional engineer seal for Jalal Farooq. The outer ring contains the text "JALAL FAROOQ" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the word "LICENSE" is at the top and "STATE OF FLORIDA" is at the bottom. The center of the seal features the license number "No. 81223" and a large, stylized purple signature. The seal is surrounded by a dashed circular line.

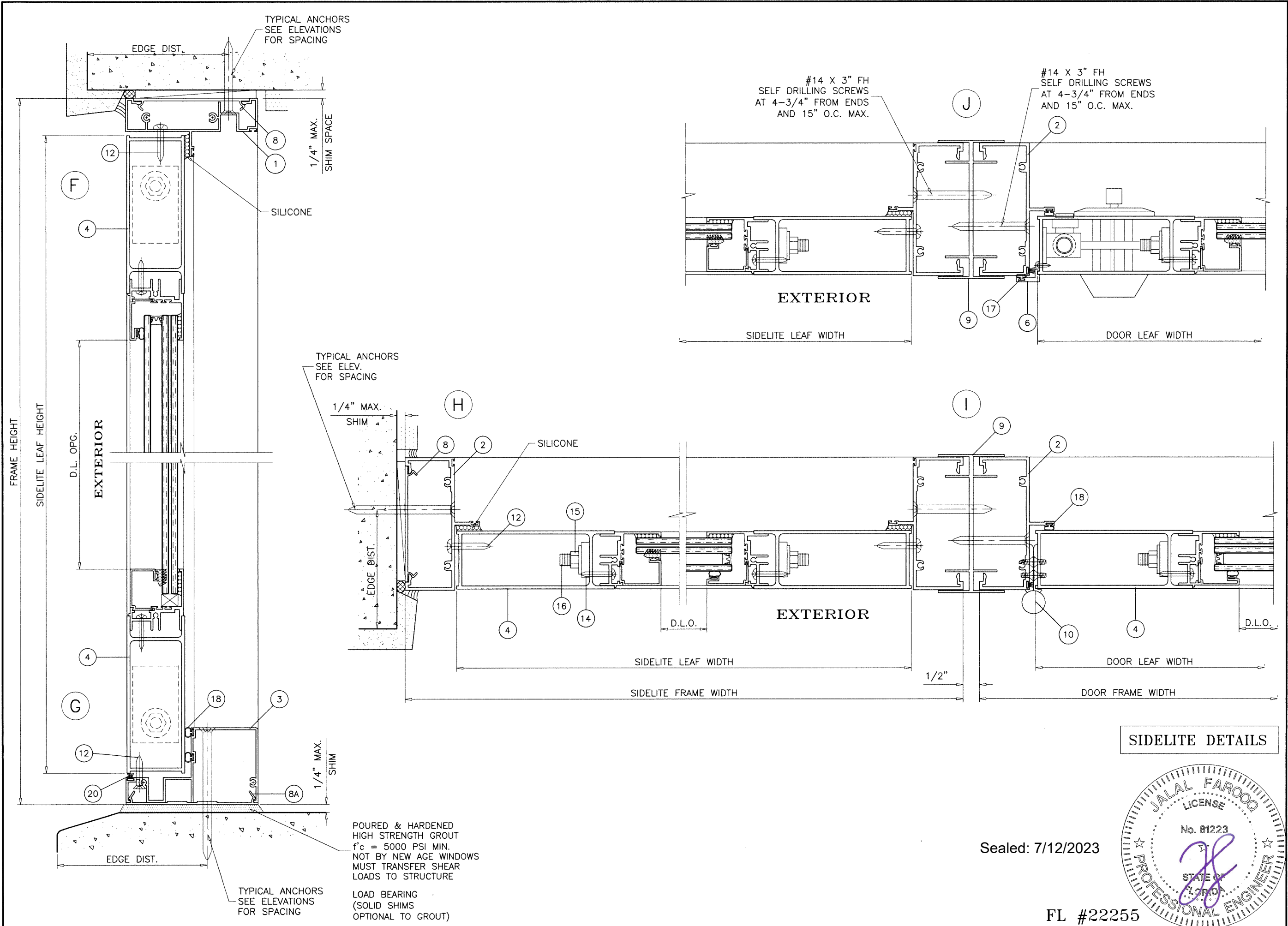
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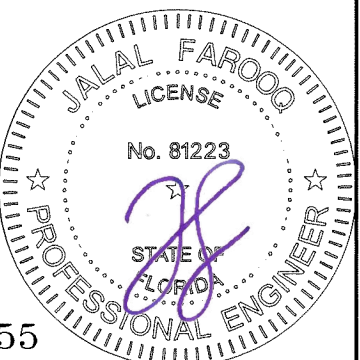
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SIDELITE DETAILS



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FL #22255

SEALANTS:

USE 'PECORA' SEALANT (COLOR TO MATCH ALUMINUM FINISH) AT PERIMETER OF LOCK AND LEVER HANDLE, COVER PLATES, INSTALLATION SCREWS, PANEL SEAMS, FRAME CORNERS AND GLAZING BEAD ADAPTERS ON THE EXTERIOR.

LOCKS:

ACTIVE LEAF:

SURFACE MOUNT DEAD BOLT LOCK BY 'KWIKSET' AT 45" FROM BOTTOM, KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR FASTENED TO ACTIVE LEAF LOCK STILE WITH (2) 10-32 X 2-7/16" OH MS LEVER TYPE METALLIC HANDLE AT 39-1/2" FROM BOTTOM, FASTENED TO ACTIVE LEAF LOCK STILE WITH (2) #8-32 X 1-3/8" PH MS.

CONCEALED FLUSH BOLTS MANUALLY OPERATED LEVERS MOUNTED ON STILE FACE, LOCATED AT 7-1/2" AND 88-1/2" FROM BOTTOM FASTENED TO LOCK STILE WITH (2) #10 X 3/4" TH SMS

INACTIVE LEAF

CONCEALED FLUSH BOLTS MANUALLY OPERATED LEVERS MOUNTED ON INSIDE FACE OF LEAF STILE LOCATED AT 7-1/2" AND 88-1/2" FROM BOTTOM FASTENED TO LOCK STILE WITH (2) #10 X 3/4" TH SMS

STRIKE PLATE

(2) FLUSH MOUNT METALLIC STRIKE PLATES LOCATED AT 39" AND 44-1/2" FROM BOTTOM EACH FASTENED TO INACTIVE LEAF LOCK STILE WITH (2) #10-24 X 1/2" FH TCMS

HINGES:

3-1/2" X 7-5/8" X .122" THK. EXTRUDED ALUM HINGE PART #FD-107 BY SULLIVAN & ASSOC. 3 HINGES PER LEAF AT 9" FROM TOP AND BOTTOM AND AT MIDSPAN (SPACING NOT TO EXCEED 40" O.C.) HINGES FASTENED WITH #10 X 1" FH SMS (4) SCREWS AT HINGE STILE (6) SCREWS AT FRAME JAMB

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	NWG-010	1	FRAME HEAD	6063-T5	-
2	JDI-3235B	2	FRAME JAMB	6063-T5	-
3	BA5918	1	FRAME SILL	6063-T5	-
4	NWG-001	4/ LEAF	DOOR/SIDELITE LEAF RAIL/STILE	6063-T5	-
5	NWG-015	4/ LEAF	GLAZING BEAD (LAM. GLASS)	6063-T5	-
5A	NWG-016	4/ LEAF	GLAZING BEAD (INSUL. LAM. GLASS)	6063-T5	-
6	GAS-42602	1/ LEAF	ASTRAGAL	6063-T5	-
6A	#6 X 1/2"	AS REQD.	ASTRAGAL FASTENERS	ST. STEEL	PH SMS, AT 3" FROM ENDS & 16" O.C.
7	NWG-014	4/ LEAF	GLASS SUPPORT	6063-T5	-
7A	#8 X 1-1/2"	AS REQD.	GLASS SUPPORT FASTENERS	ST. STEEL	PH SDS, AT 3" FROM ENDS & 16" O.C.
8	-	AS REQD.	HEAD/JAMB ANCHOR PLATE (FULL LENGTH)	6063-T5	-
8A	NA-153	AS REQD.	SILL ANCHOR PLATE (FULL LENGTH)	6063-T5	-
9	BA5919	-	'H' MULLION	6063-T6	-
10	FD-107	3/ PANEL	ALUMINUM HINGE	6063-T6	SULLIVAN & ASSOC.
11	NA-210	4/ LEAF	GLAZING WEDGE GASKET	NEOPRENE	-
11A	-	4/ LEAF	GLAZING BULB GASKET	VINYL	-
12	#8 X 1"	AS REQD.	SIDELITE LEAF FASTENERS	ST. STEEL	SELF DRILLING SCREWS, AT 6" FROM ENDS & 16" O.C.
13	#10 X 1"	AS REQD.	ASSEMBLY SCREWS	ST. STEEL	PH SMS
14	-	4/ PANEL	SUPPORT PLATE (1.5" X 3.75" X .250")	NYLON	-
15	-	4/ PANEL	3/8" LOCKNUT	PLATED STEEL	-
16	-	2/ PANEL	3/8" THREADED ROD	STEEL	-
17	FP-389A	-	BULB W'STRIPPING	VINYL	-
18	FP-511	-	BULB W'STRIPPING	VINYL	-
19	-	2/ LITE	SETTING BLOCKS AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A
20	-	AS REQD.	FIN SEAL PILE W'STRIPPING	WOOL	-

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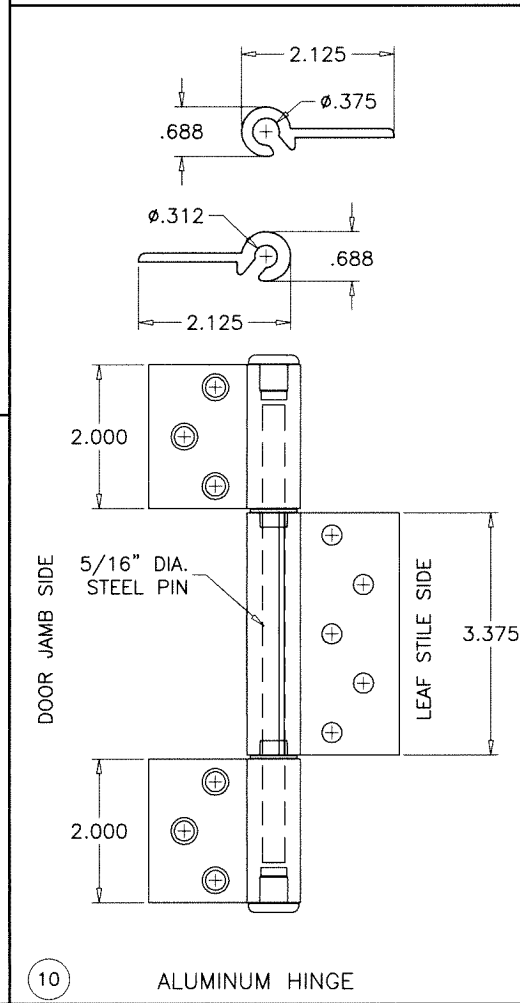
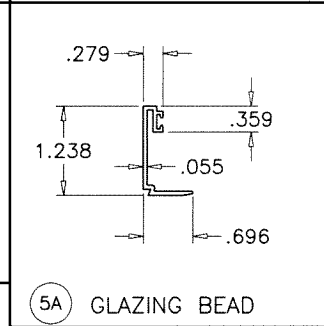
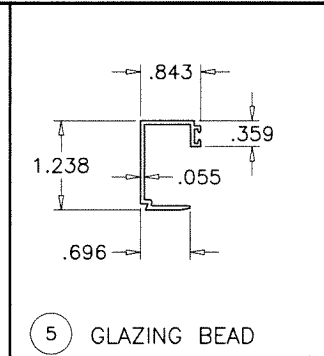
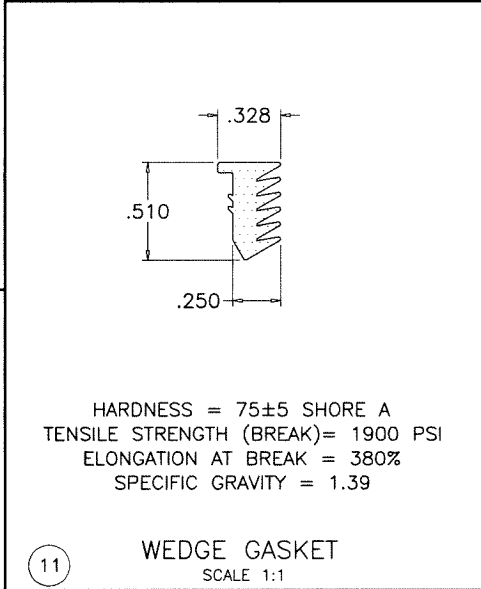
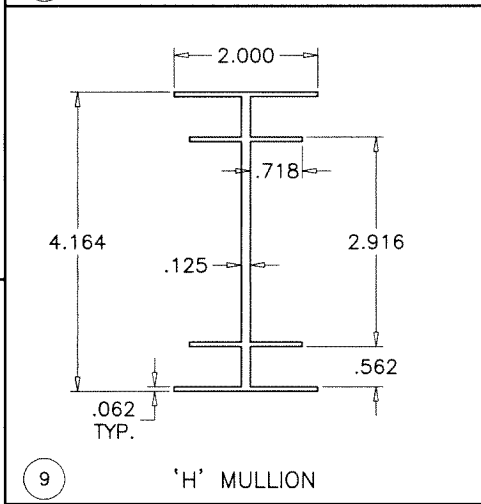
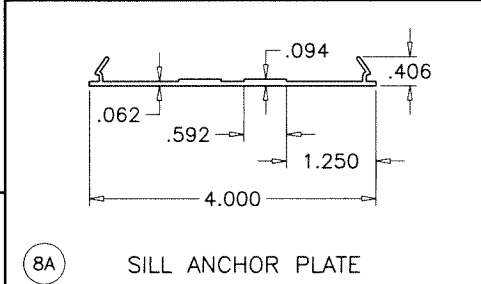
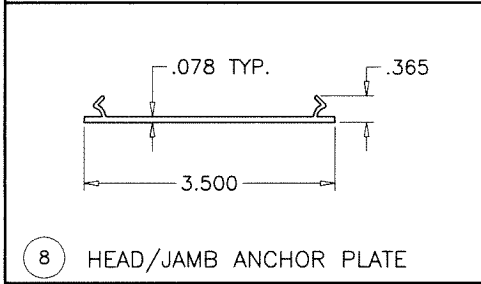
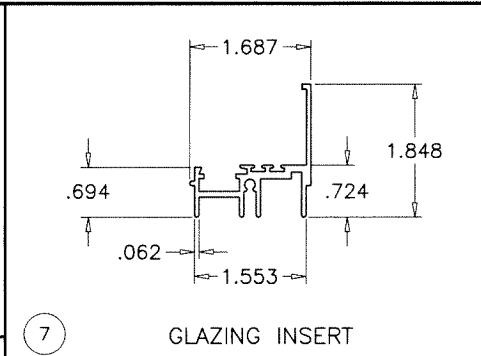
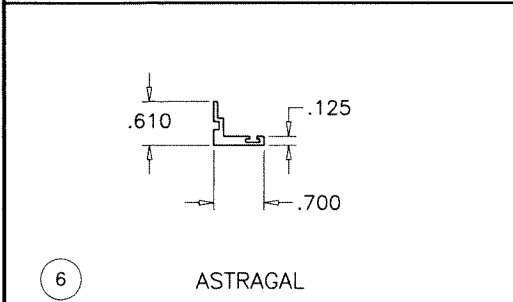
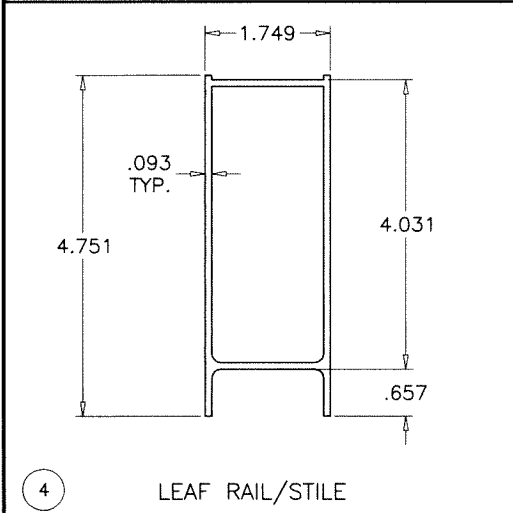
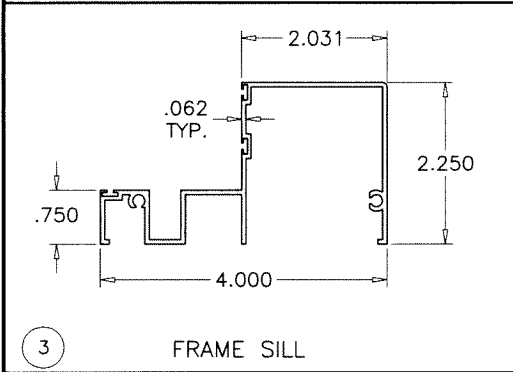
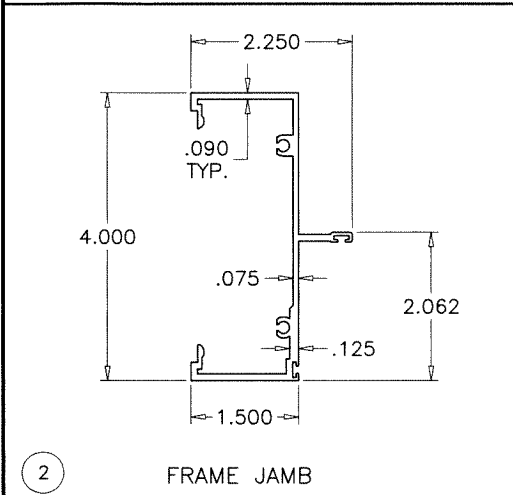
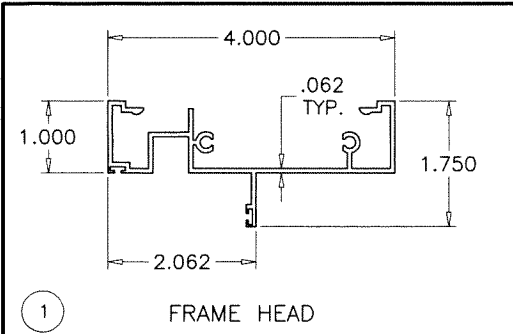
dr. by: TARIQ

chk. by:

drawing no.

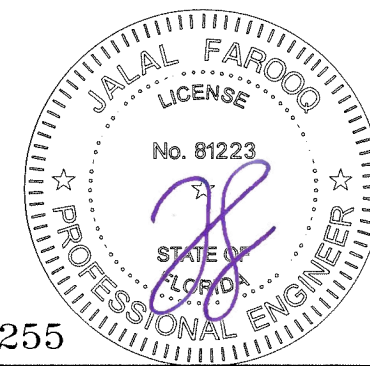
W17-31

sheet 8 of 10



Sealed: 7/12/2023

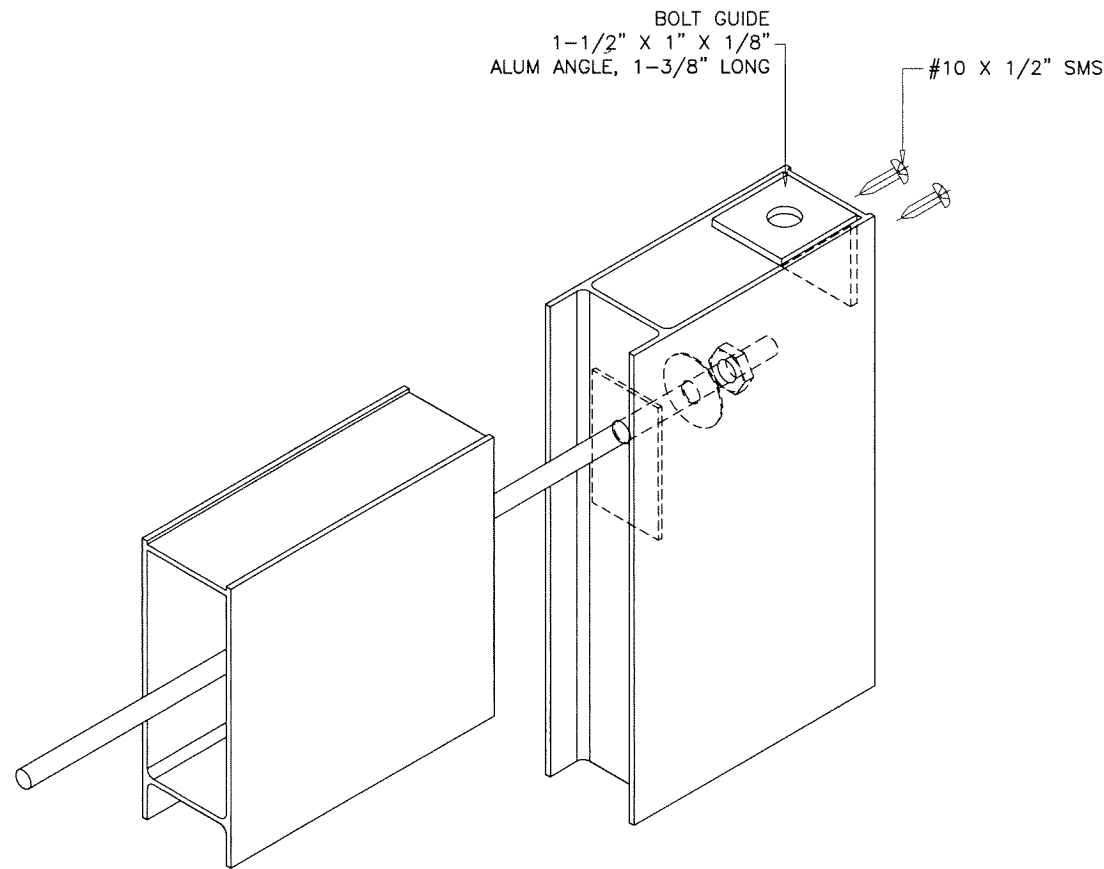
FL #22255



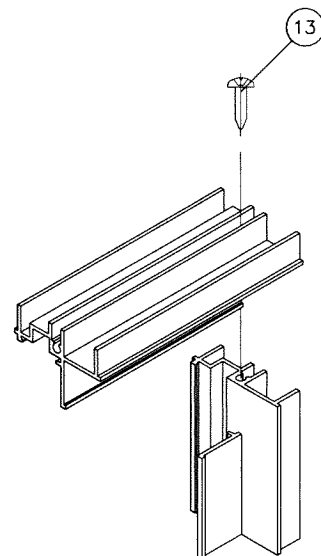
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\W17-31NA

SERIES-100 ALUM OUT-SWING DOOR W/ SIDELITES (L.M.I.)
New Age Windows & Doors Corp.
7196 N.W. 77TH TERRACE
MEDLEY, FL. 33166
TEL. (305) 889-0703 FAX. (305) 889-0710

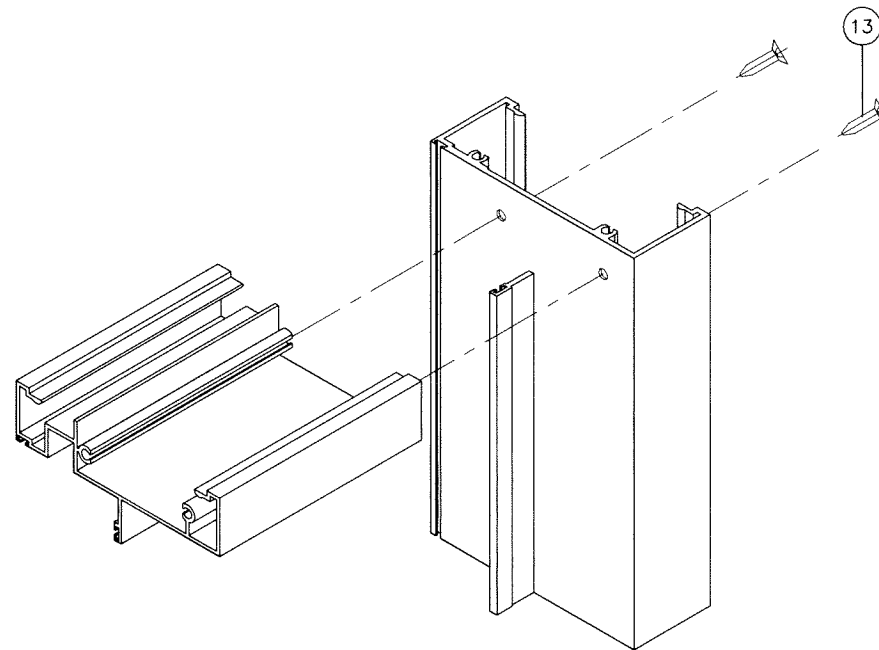
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dr. by:	TARIQ	chk. by:	
drawing no.	W17-31	sheet	9 of 10



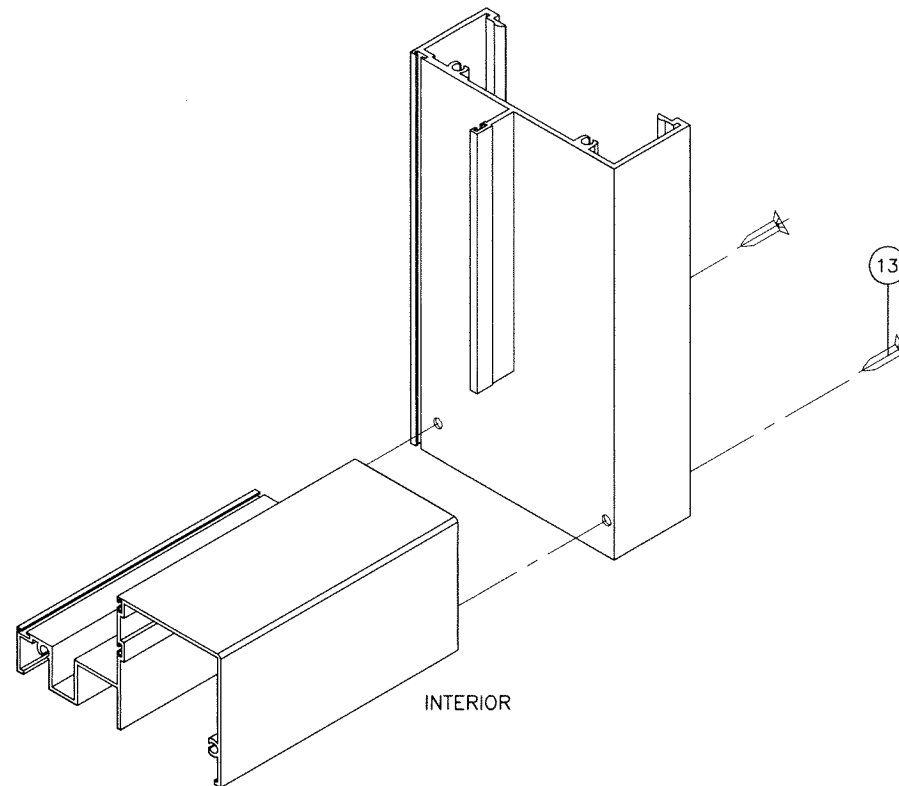
LEAF TOP/BOTTOM CORNER



GLAZING INSERT CORNER

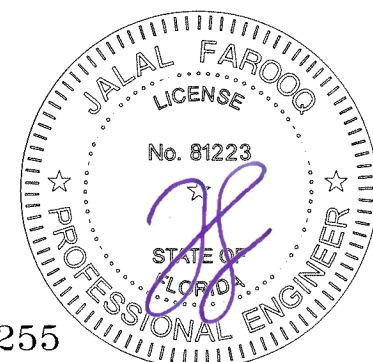


DOOR/SIDELITE TOP CORNER



DOOR/SIDELITE BOTTOM CORNER

Sealed: 7/12/2023



FL #22255

afc

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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TEL. (305) 264-8100 FAX. (305) 262-6978
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revisions:		no date by description	
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dr. by:	TARIQ	chk. by:	
drawing no.	W17-31		
sheet	10 of 10		