

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

**Coastline Outswing French Door/Entry Door IZ4 (12')**

APPROVAL APPLIES TO SINGLE(X) AND DOUBLE(XX) LEAF OUTSWING DOORS  
SEE SHEETS 2 & 3 FOR DESIGN LOAD CAPACITIES.

SINGLE (X) AND DOUBLE (XX) DOORS WITH LOW-RISE AND HI-RISE  
THRESHOLDS ARE APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION  
RESISTANCE IS REQUIRED.

SINGLE (X) DOORS WITH ADA THRESHOLD APPROVED FOR INSTALLATIONS  
WHERE WATER INFILTRATION RESISTANCE IS REQUIRED, LIMIT MAX.

EXTERIOR (+) LOADS TO 55.0 PSF

DOUBLE (XX) DOORS WITH ADA THRESHOLD NOT APPROVED FOR WATER  
INFILTRATION RESISTANCE.

SEE SHEET 4 FOR DETAILS.

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.

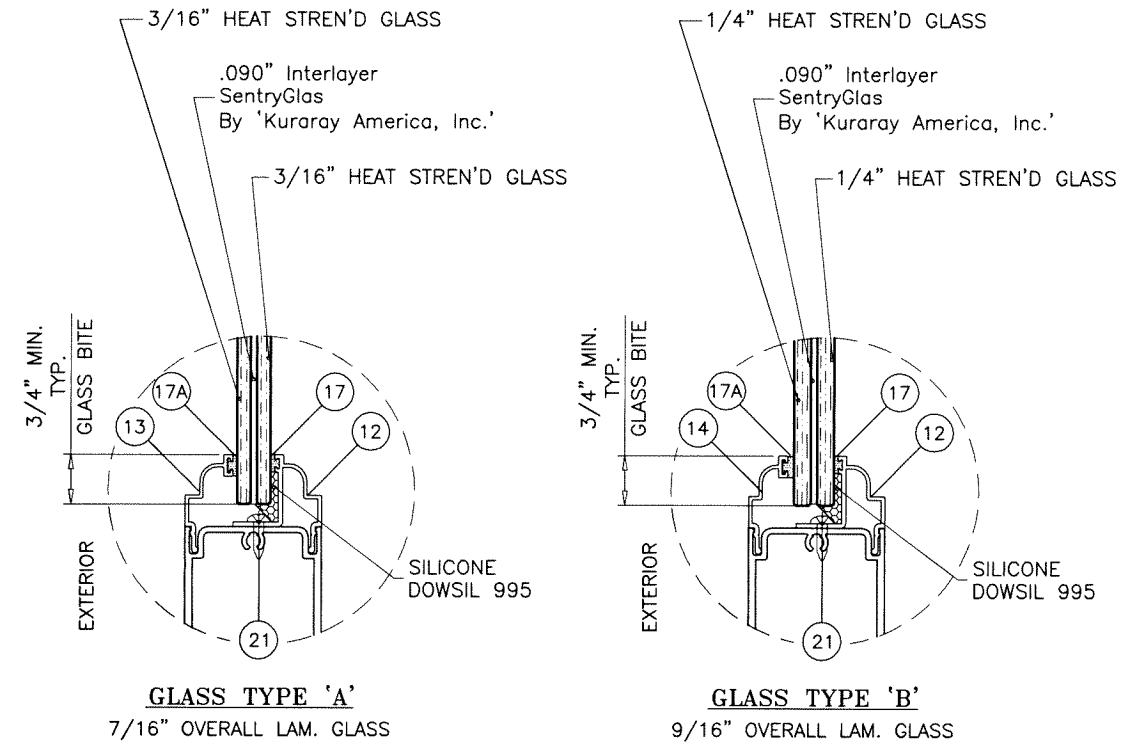
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT  
COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE  
REQUIREMENTS OF THE 2020/2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

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.



**GLAZING OPTIONS**

**GLASS TYPE 'A'**  
7/16" OVERALL LAM. GLASS

**GLASS TYPE 'B'**  
9/16" OVERALL LAM. GLASS

Sealed: 7/25/2023

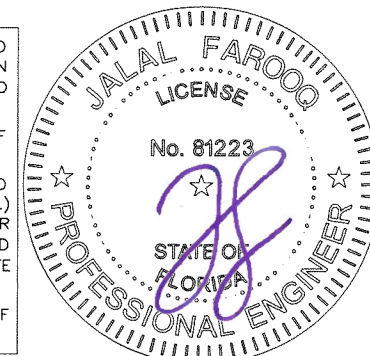
FL #34006

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 (C.A.N. 3538)  
TEL. (305) 264-8100 FAX. (305) 262-6978  
COMP-ANL\W17-55SIW

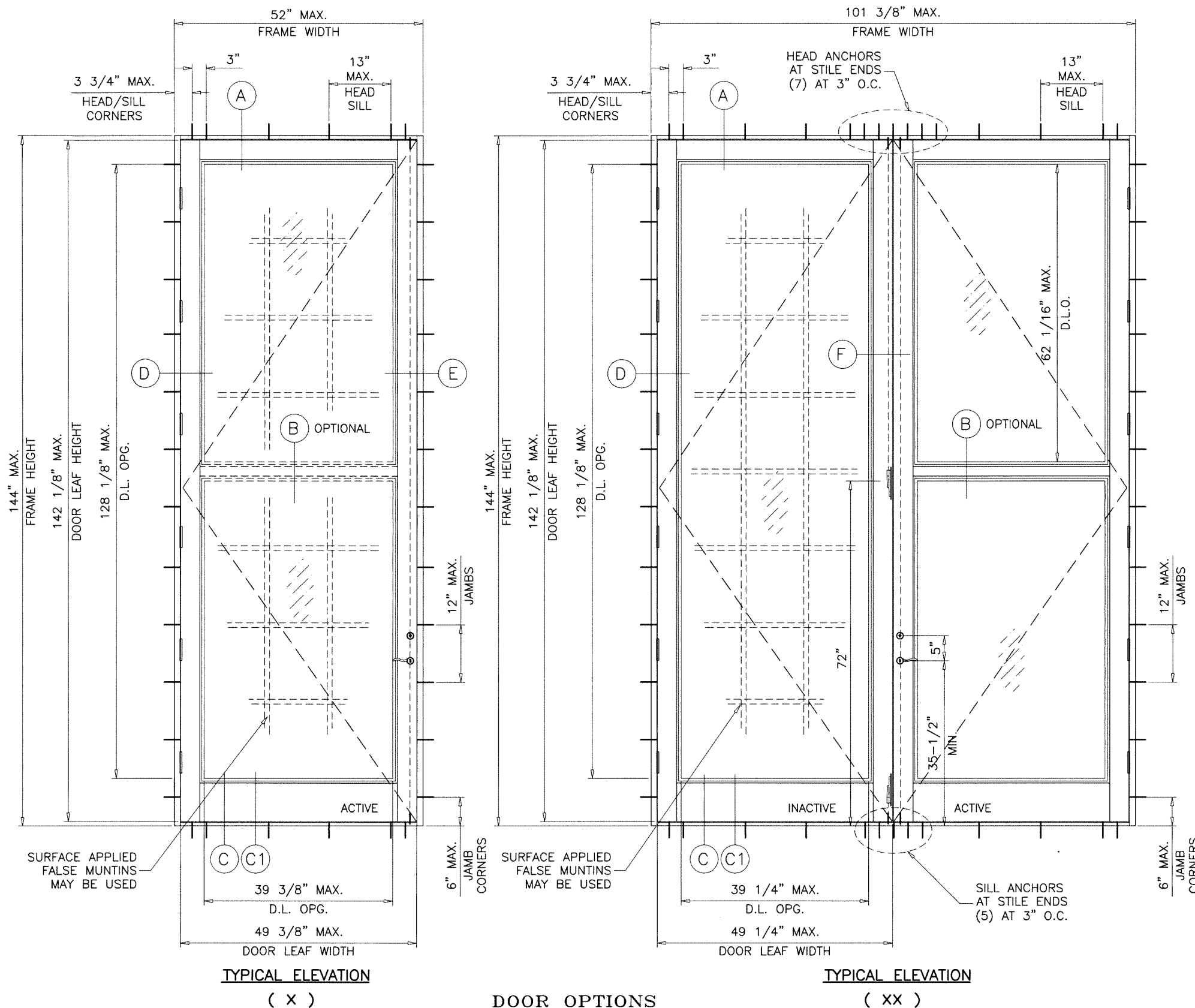
Coastline Outswing French Door/Entry Door IZ4 (12')

**MARVIN**  
PO Box 100, 401 State Ave. N.  
Warroad, MN. 56763  
Tel. (218) 386-1430 Ext. 2143

no	date	by	description
A	12.06.17		UPDATED TO 2017 FBC
B	12.10.18		COMPANY NAME REV.
C	08.31.20		UPDATED TO 2020 FBC
D	07.25.23		UPDATED TO 2023 FBC

date: 06-05-17  
scale: 3/8" = 1"  
dr. by: TARIQ  
chk. by:

drawing no.  
**W17-55**



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

NOTE:  
VERIFY COMPLIANCE WITH EGRESS LIMITATIONS WHERE REQUIRED.

TYPICAL ELEVATION ( X )

DOOR OPTIONS

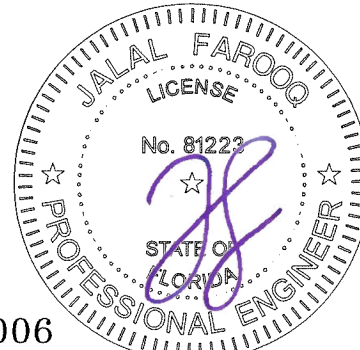
TYPICAL ELEVATION ( XX )

DOORS LOAD CAPACITY - PSF SINGLE DOORS (X)						
GLASS TYPES	FRAME DIMS.		LEAF DIMS.		LOW-RISE & HI-RISE THRESHOLD	
	WIDTH	HEIGHT	WIDTH	HEIGHT	EXT.(+)	INT.(-)
'A'	39"	120"	36-3/8"	118-1/8"	60.0	60.0
'B'	39"	144"	36-3/8"	142-1/8"	60.0	60.0
'B'	52"	144"	49-3/8"	142-1/8"	55.0	55.0

DOORS LOAD CAPACITY - PSF DOUBLE DOORS (XX)						
GLASS TYPES	FRAME DIMS.		LEAF DIMS.		LOW-RISE & HI-RISE THRESHOLD	
	WIDTH	HEIGHT	WIDTH	HEIGHT	EXT.(+)	INT.(-)
'A' & 'B'	76"	120"	36-3/16"	118-1/8"	60.0	60.0
'B'	101-3/8"	144"	49-1/4"	142-1/8"	55.0	55.0

APPROVED FOR WATER INFILTRATION RESISTANCE.

Sealed: 7/25/2023



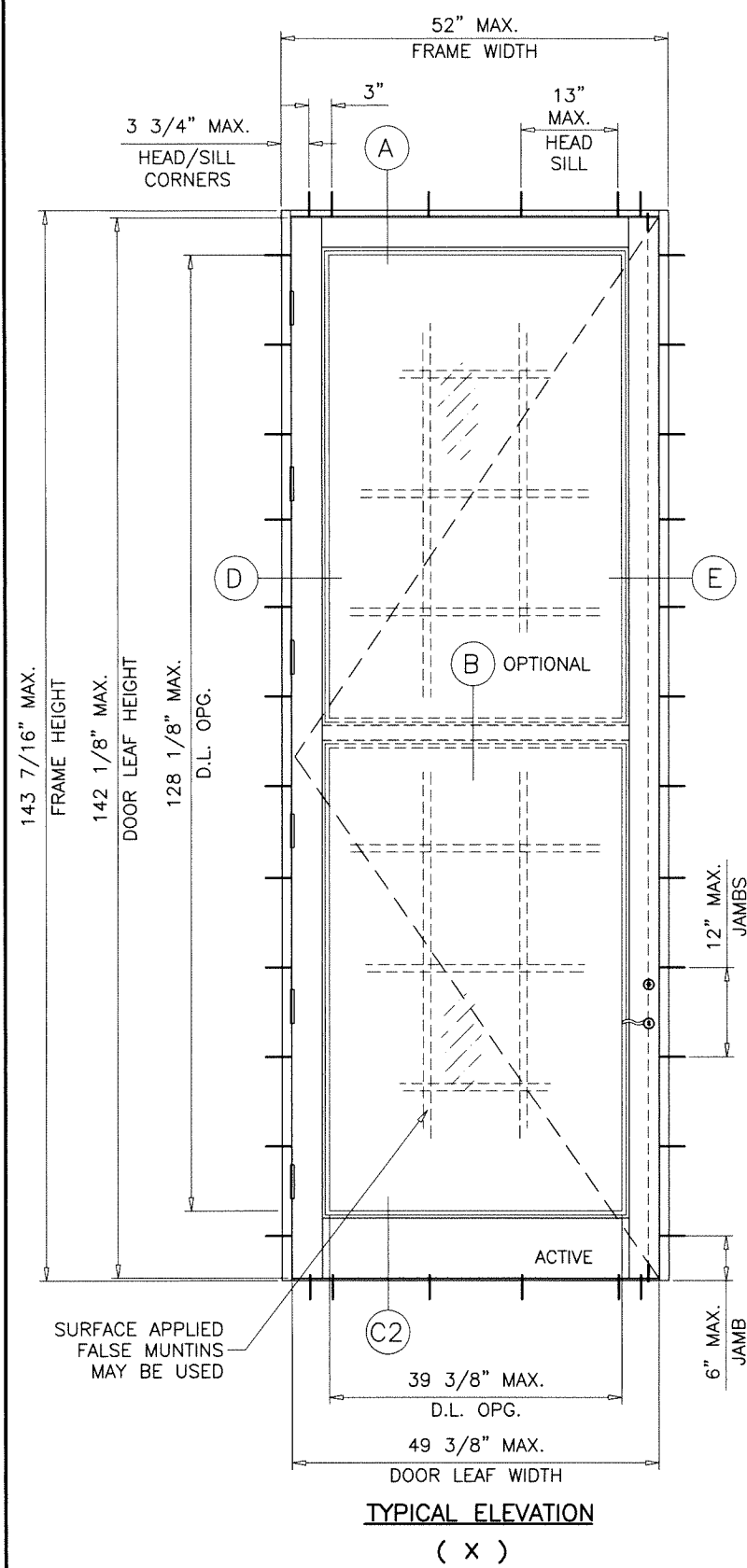
FL #34006

**af c**  
**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\W17-55SIW

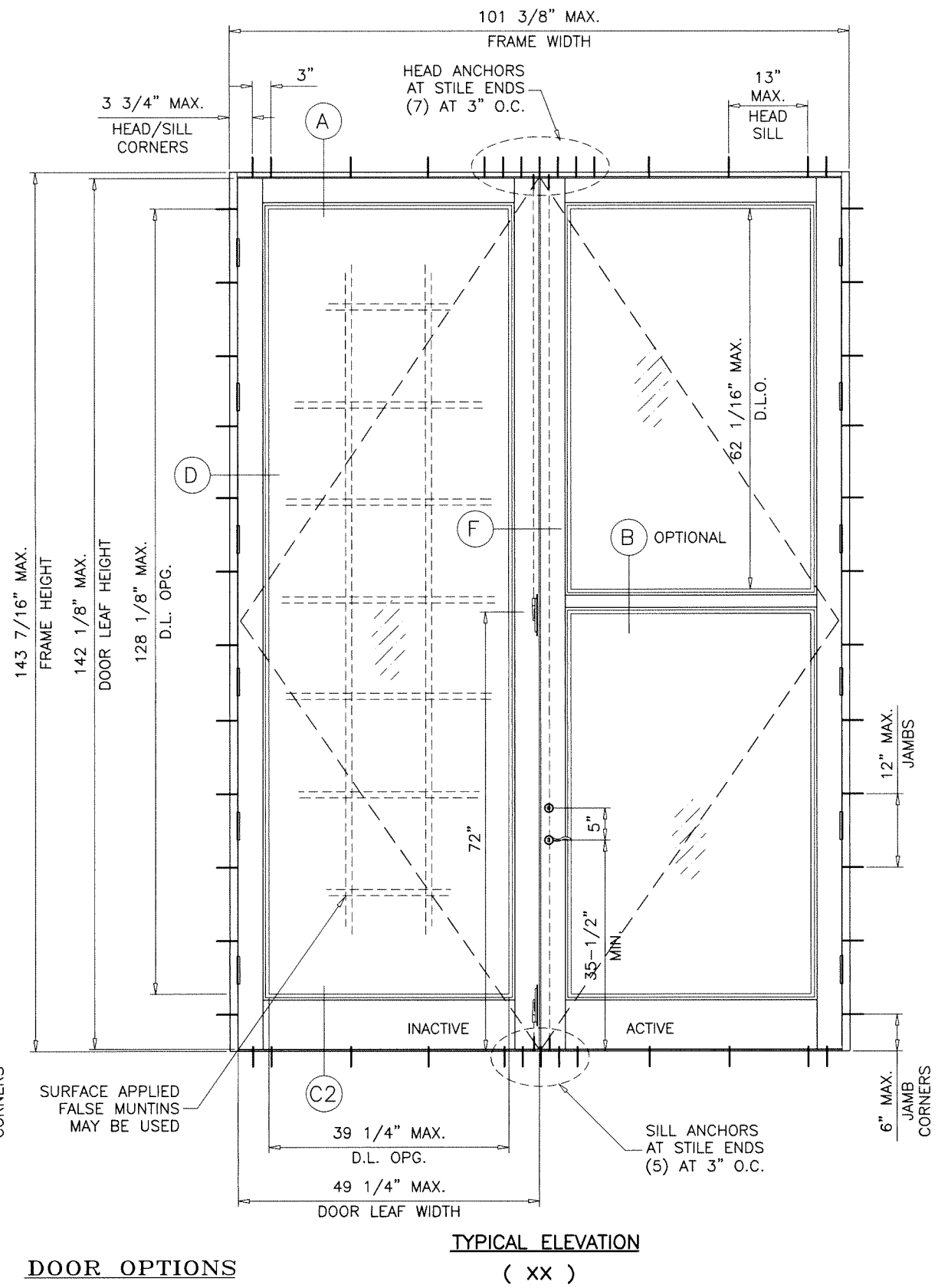
Coastline Outswing French Door/Entry Door (Z4 (12'))  
**MARVIN**  
 PO Box 100, 401 State Ave. N.  
 Warroad, MN. 56763  
 Tel. (218) 386-1430 Ext. 2143

revisions:	no	date	by	description

date: 06-05-17  
 scale: 1/2"=1'-0"  
 dr. by: TARIQ  
 chk. by:  
 drawing no. W17-55  
 sheet 2 of 10



**TYPICAL ELEVATION  
( X )**



**TYPICAL ELEVATION  
( XX )**

**DOORS WITH  
ADA THRESHOLD**

**DOOR D.L.O. DIMS.**  
 D.L.O. HEIGHT = FRAME HEIGHT - 15.313"  
 D.L.O. WIDTH (X DOORS) = FRAME WIDTH - 12.625"  
 D.L.O. WIDTH (XX DOORS) = (FRAME WIDTH - 22.875)/2

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

**NOTE:**  
 VERIFY COMPLIANCE WITH EGRESS LIMITATIONS  
 WHERE REQUIRED.

DOORS LOAD CAPACITY - PSF SINGLE DOORS (X)						
GLASS TYPES	FRAME DIMS.		LEAF DIMS.		ADA THRESHOLD	
	WIDTH	HEIGHT	WIDTH	HEIGHT	EXT.(+)	INT.(-)
'A'	39"	119-7/16"	36-3/8"	118-1/8"	60.0	60.0
'B'	39"	143-7/16"	36-3/8"	142-1/8"	60.0	60.0
'B'	52"	143-7/16"	49-3/8"	142-1/8"	55.0	55.0

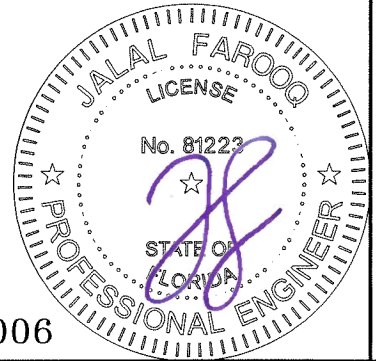
LIMIT MAX. EXTERIOR (+) LOADS TO 55.0 PSF FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQD.

DOORS LOAD CAPACITY - PSF DOUBLE DOORS (XX)						
GLASS TYPES	FRAME DIMS.		LEAF DIMS.		ADA THRESHOLD	
	WIDTH	HEIGHT	WIDTH	HEIGHT	EXT.(+)	INT.(-)
'A' & 'B'	76"	119-7/16"	36-3/16"	118-1/8"	60.0	60.0
'B'	101-3/8"	143-7/16"	49-1/4"	142-1/8"	55.0	55.0

NOT APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQD.

Sealed: 7/25/2023

FL #34006



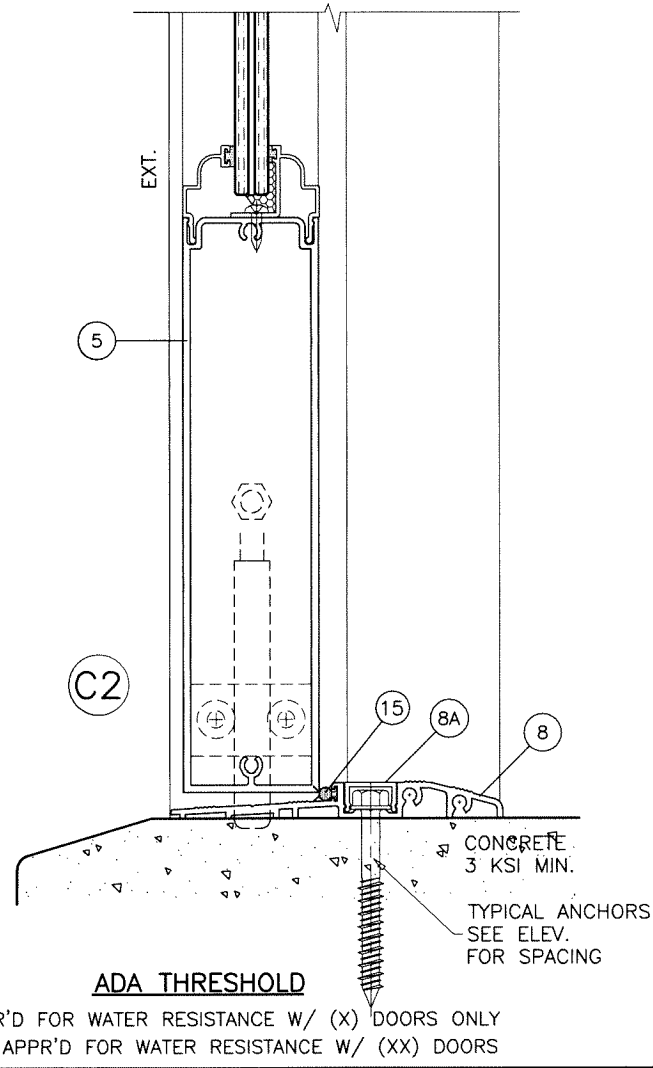
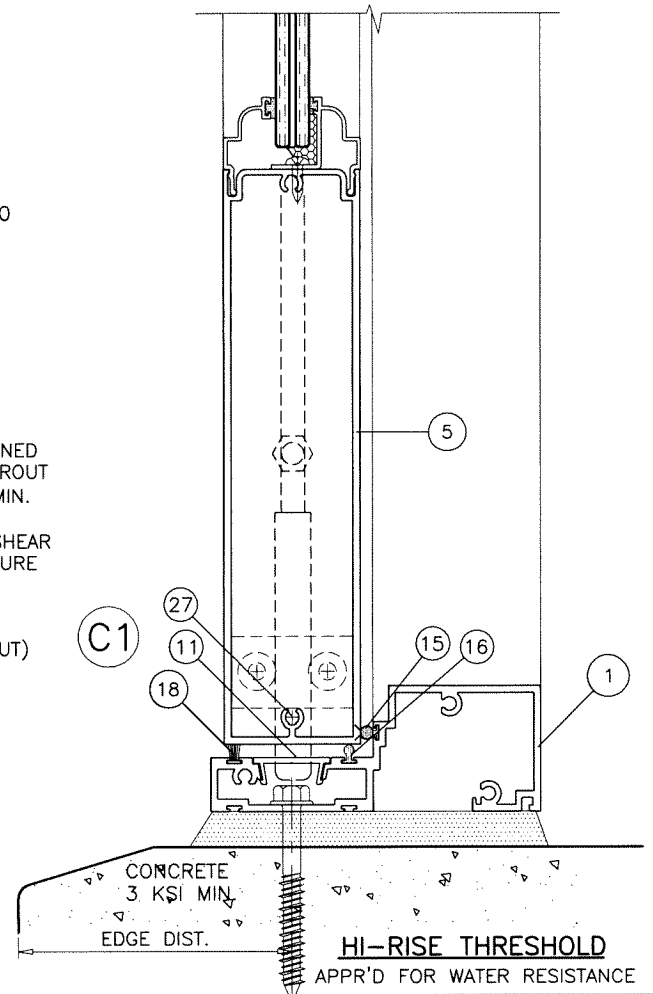
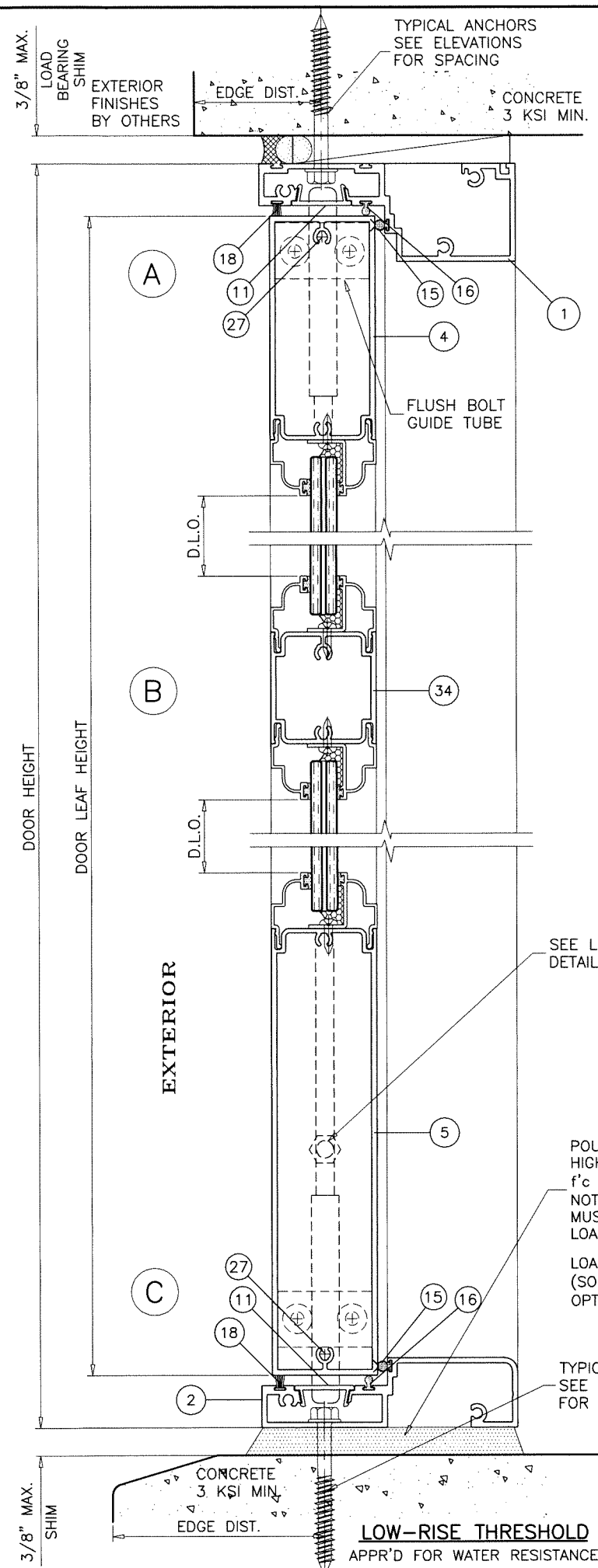
**afc**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)  
 MIAMI, FLORIDA 33173  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL\W17-55SIW

Coastline Outswing French Door/Entry Door (Z4 (12'))  
**MARVIN**  
 PO Box 100, 401 State Ave. N.  
 Warroad, MN. 56763  
 Tel. (218) 386-1430 Ext. 2143

revisions:		no	date	by	description

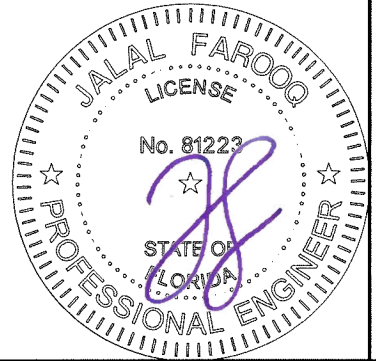
date: 06-05-17  
 scale: 1/2"=1'-0"  
 dr. by: TARIQ  
 chk. by:  

drawing no.  
**W17-55**  
 sheet 3 of 10



Sealed: 7/25/2023

FL #34006



**af c**

**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 W17-55SIW

Coastline Outswing French Door/Entry Door (Z4 (12'))

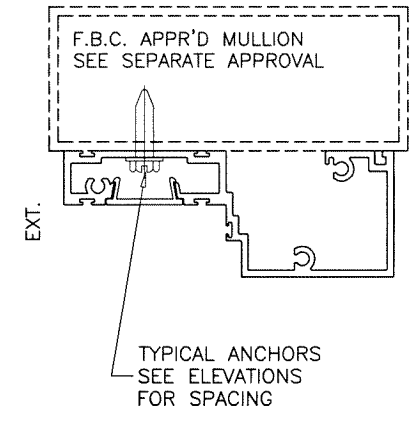
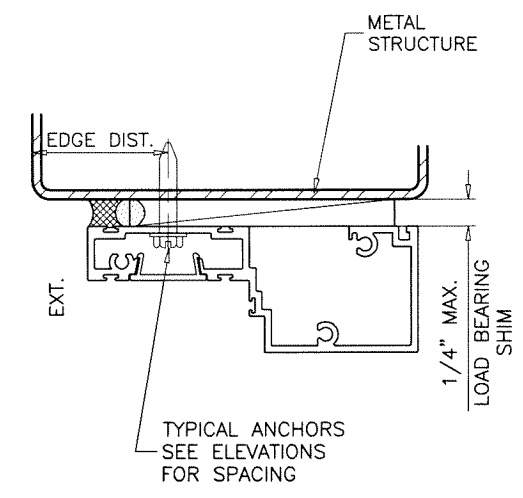
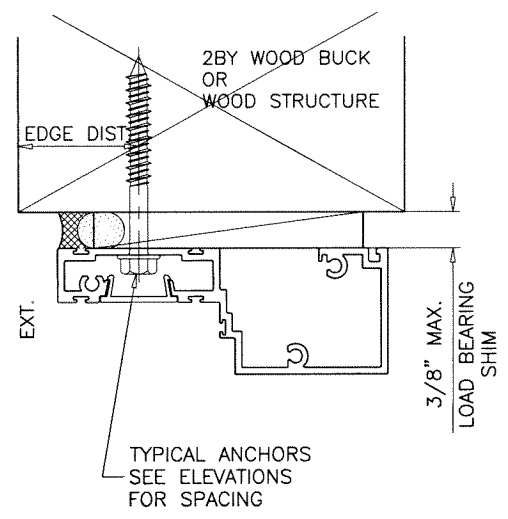
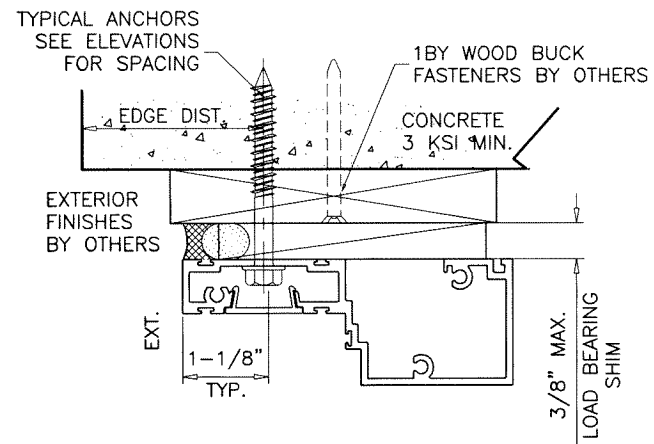
**MARVIN**  
PO Box 100, 401 State Ave. N.  
Warroad, MN. 56763  
Tel. (218) 386-1430 Ext. 2143

revisions:	no	date	by	description

date: 06-05-17  
scale: 3/8" = 1"  
dr. by: TARIQ  
chk. by:

drawing no.  
**W17-55**

sheet 4 of 10



WOOD BUCKS AND METAL STRUCTURE NOT BY 'MARVIN' 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)  
 MIN. LENGTH AT HEAD/SILL = 2-3/4"  
 MIN. LENGTH AT JAMBS = 3-3/4"

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 GROUT FILLED BLOCKS  
 1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)  
 1-3/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

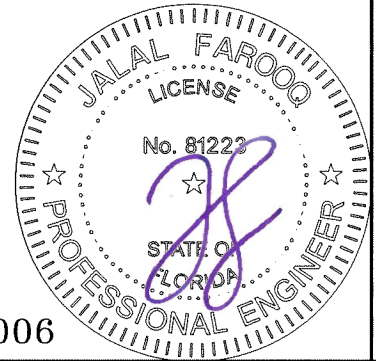
**1/4" DIA. TEKS OR SELF DRILLING SCREWS** (GRADE 5 CRS)  
 INTO F.B.C. APPROVED MULLIONS  
 OR  
 INTO METAL STRUCTURES (HEAD/JAMBS)  
 (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE  
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)  
 STEEL: 1/8" THK. MIN. (Fy = 36 KSI MIN.)  
 (STEEL IN CONTACT WITH ALUMINUM 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.

ANCHORS MAY BE HEX OR FLAT HEAD.

Sealed: 7/25/2023



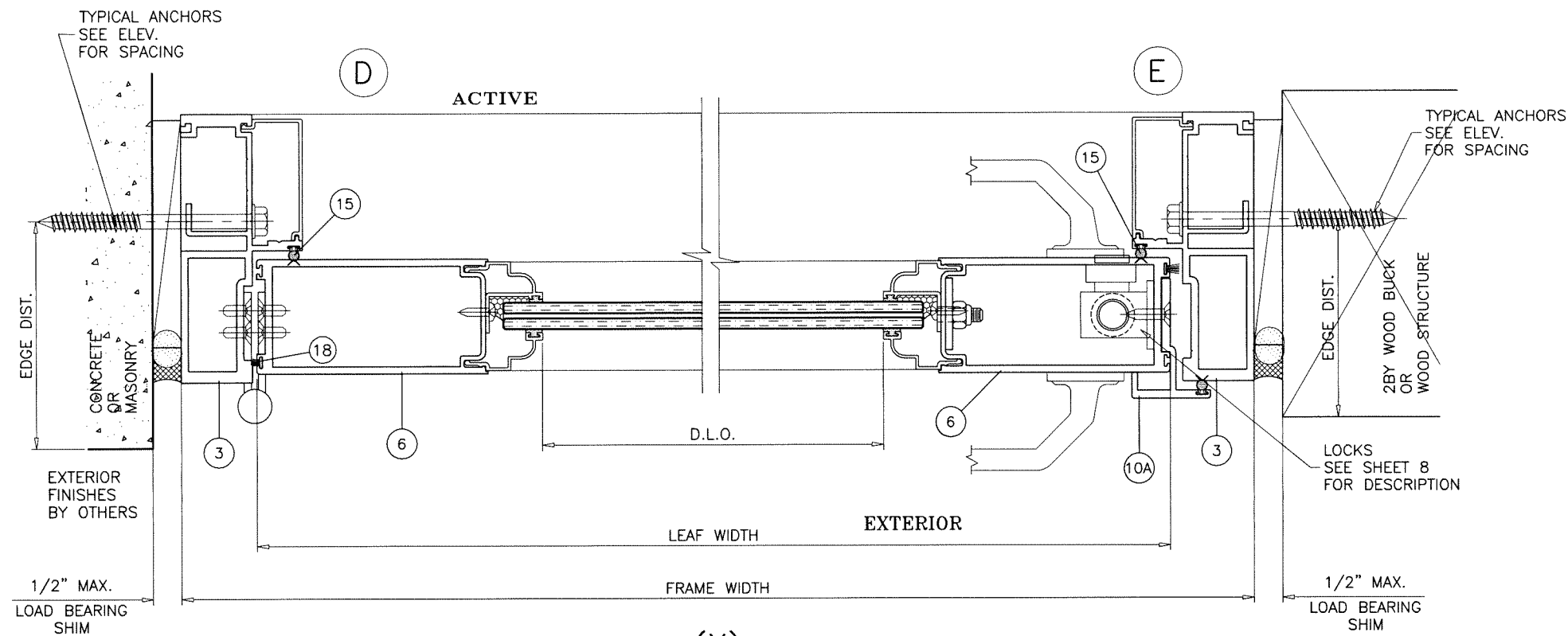
FL #34006

**af c**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)  
 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL W17-55SIW

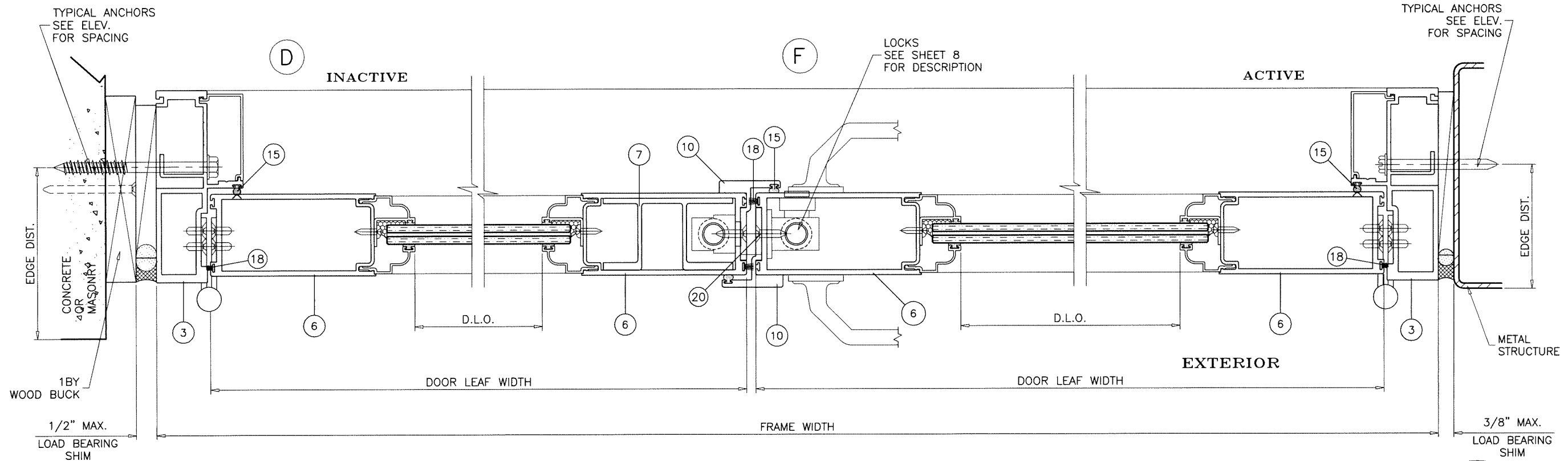
Coastline Outswing French Door/Entry Door IZ4 (12')  
**MARVIN**  
 PO Box 100, 401 State Ave. N.  
 Warrroad, MN. 56763  
 Tel. (218) 386-1430 Ext. 2143

revisions:		no	date	by	description

date: 06-05-17  
 scale: 3/8" = 1"  
 dr. by: TARIQ  
 chk. by:   
 drawing no. W17-55  
 sheet 5 of 10



(X)



(XX)

Sealed: 7/25/2023

FL #34006

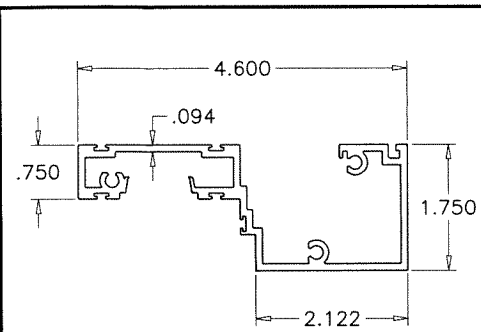


**af c**  
**AL-FAROOQ CORPORATION**  
 ENGINEERS & PRODUCT DEVELOPMENT  
 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)  
 MIAMI, FLORIDA 33173 TEL. (305) 262-6978  
 TEL. (305) 264-8100 FAX. (305) 262-6978  
 COMP-ANL W17-55SIW

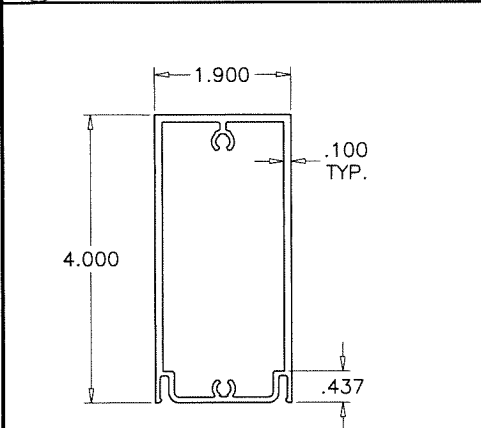
Coastline Outswing French Door/Entry Door IZ4 (12')  
**MARVIN**  
 PO Box 100, 401 State Ave. N.  
 Warroad, MN. 56763  
 Tel. (218) 386-1430 Ext. 2143

revisions:	
no	date by description

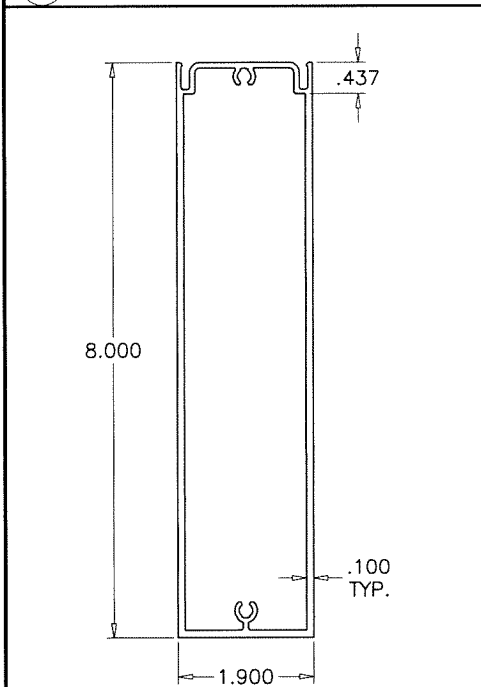
date: 06-05-17	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
drawing no. W17-55			
sheet 6 of 10			



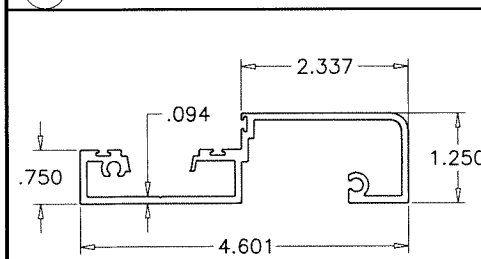
1 FRAME HEAD HI-RISE THRESHOLD



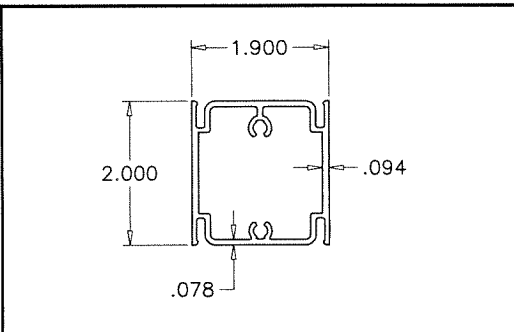
4 TOP RAIL



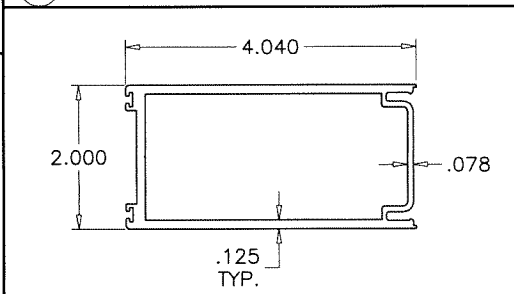
5 BOTTOM RAIL



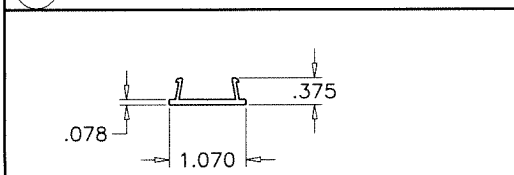
2 LOW-RISE THRESHOLD



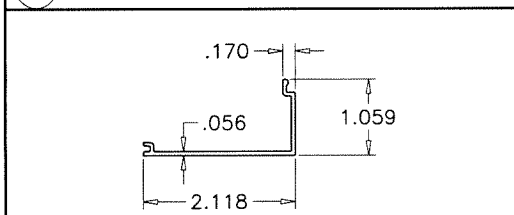
34 CHAIR RAIL



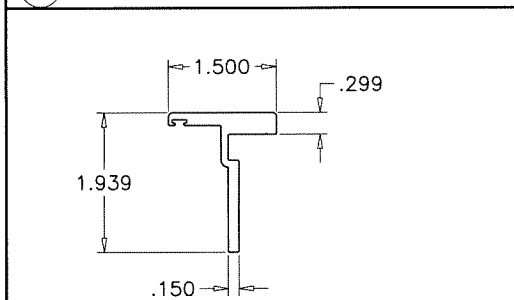
6 HINGE/LOCK STILE



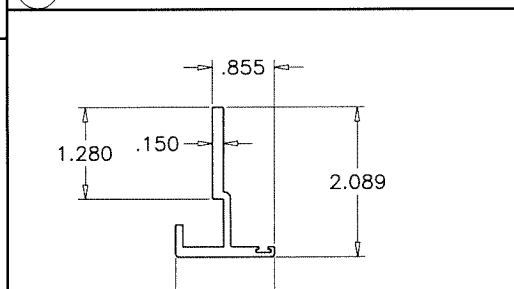
11 SNAP COVER



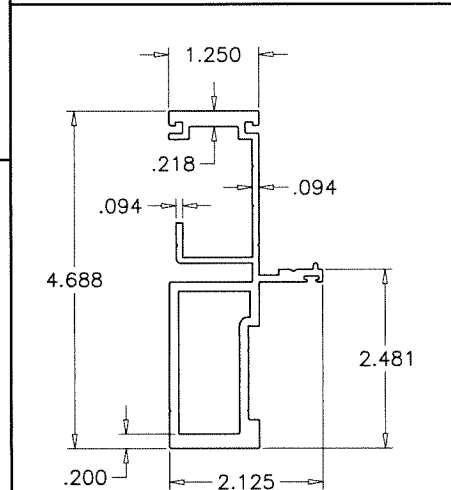
9 JAMB SCREW COVER



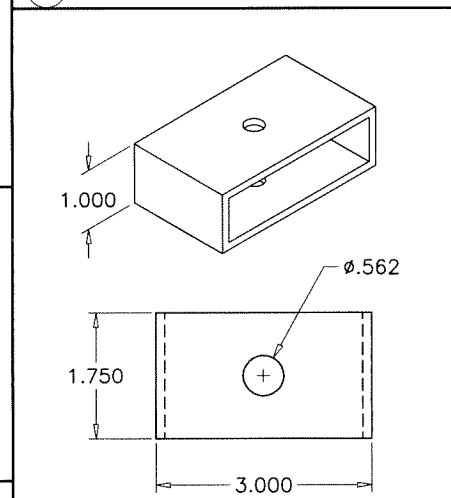
10 DOUBLE DOOR ASTRAGAL



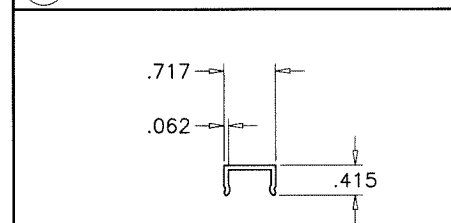
10A SINGLE DOOR ASTRAGAL



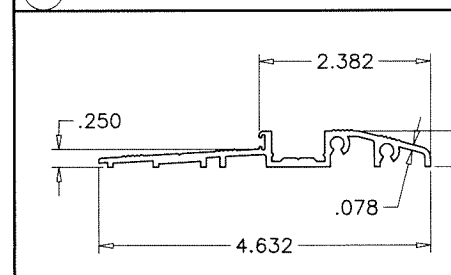
3 FRAME JAMB



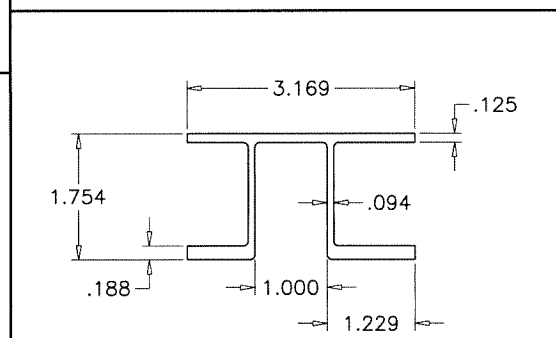
31 FLUSH BOLT BLOCK



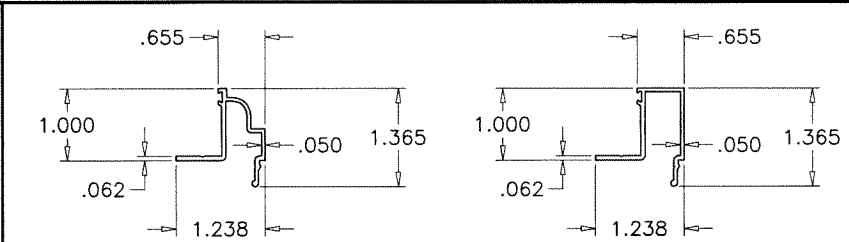
8A THRESHOLD COVER



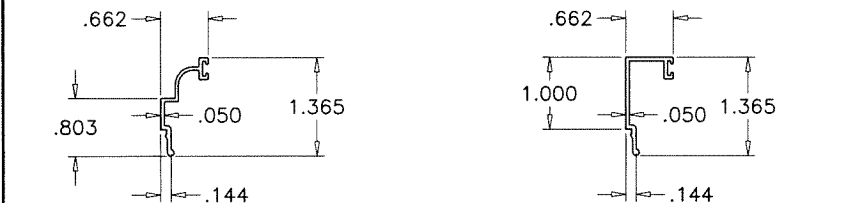
8 ADA THRESHOLD



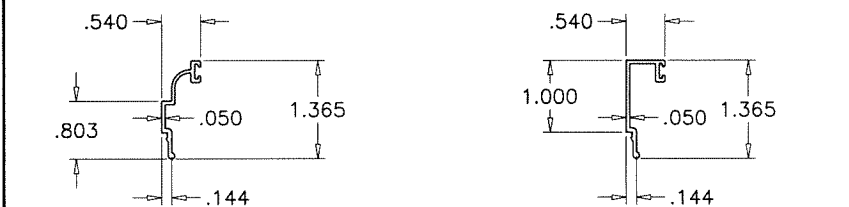
7 INACTIVE STILE REINF.



12 INT. GLASS STOP



13 EXTERIOR GLASS STOP (7/16" LAM. GLASS)



14 EXTERIOR GLASS STOP (9/16" LAM. GLASS)

**af c**  
**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)

Coastline Outswing French Door/Entry Door IZ4 (12")  
**MARVIN**  
 PO Box 100, 401 State Ave. N.  
 Warroad, MN. 56763  
 Tel. (218) 386-1430 Ext. 2143

no	date	description

revisions:  
 date: 06-05-17  
 scale: 3/8" = 1"  
 dr. by: TARIQ  
 chk. by:

drawing no.  
**W17-55**  
 sheet 7 of 10

Sealed: 7/25/2023

FL #34006



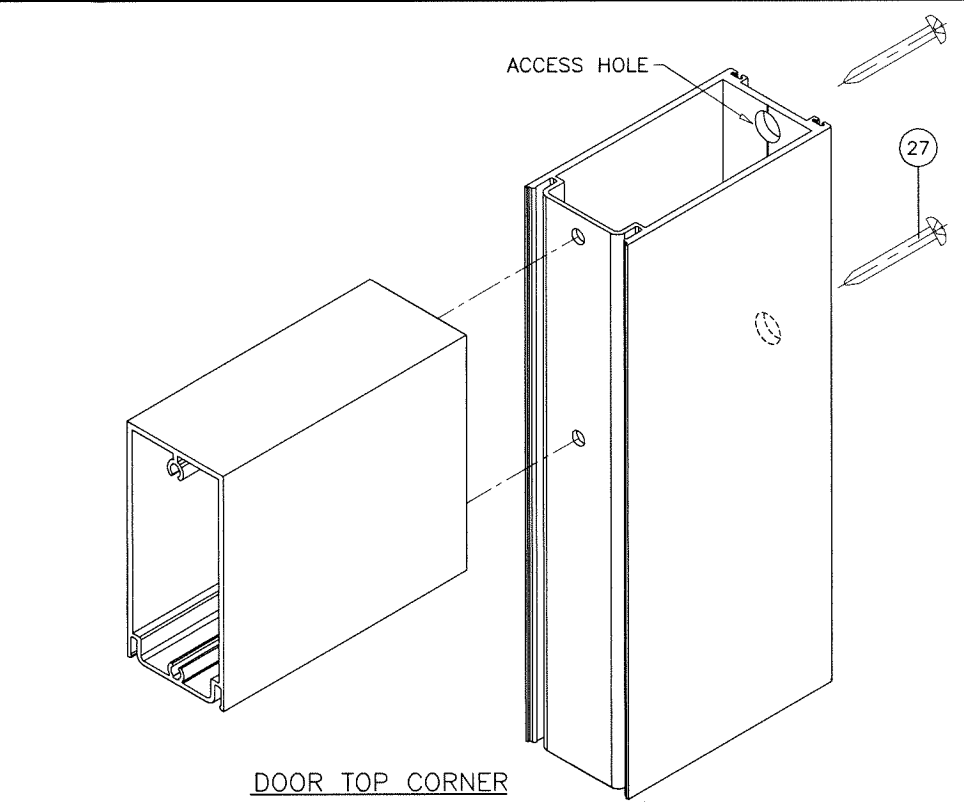




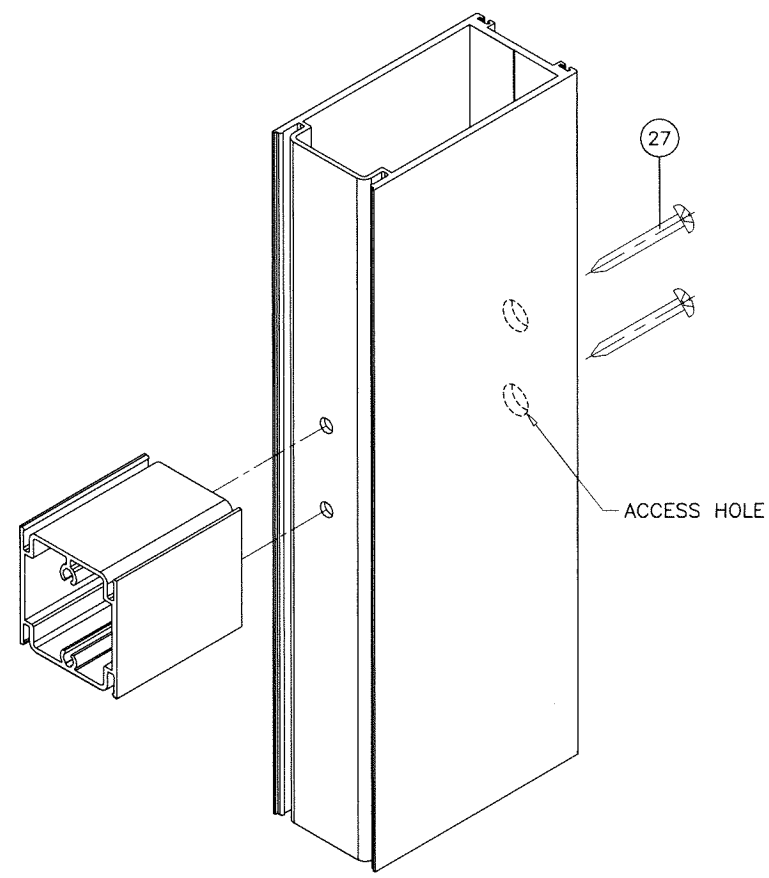


revisions:	
no	date by description

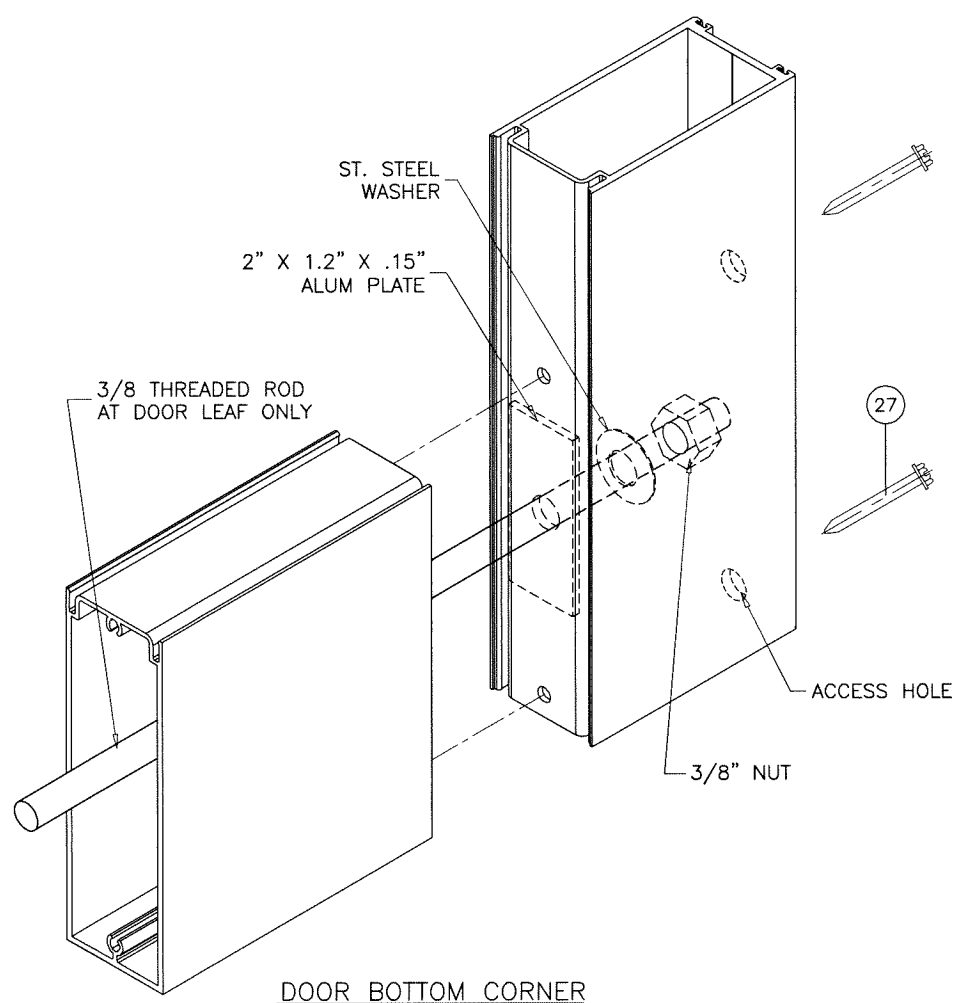
date: 06-05-17	scale: 3/8" = 1"	dr. by: TARIQ	chk. by:
drawing no.		W17-55	
sheet 10 of 10			



DOOR TOP CORNER



CHAIR RAIL CORNER



DOOR BOTTOM CORNER

Sealed: 7/25/2023

FL #34006

