

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

Coastline Inswing French Door/Entry Door IZ4

APPROVAL APPLIES TO SINGLE(X) AND DOUBLE(XX) INSWING LEAF DOORS WITH ANCHORED JAMBS, SEE SHEET 2 FOR DESIGN LOAD CAPACITIES.
FOR SINGLE(X) INSWING LEAF DOORS WITH UNANCHORED JAMBS SEE SHEET 2.1 FOR DESIGN LOAD CAPACITIES.

DOORS APPROVED FOR INSTALLATIONS 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.

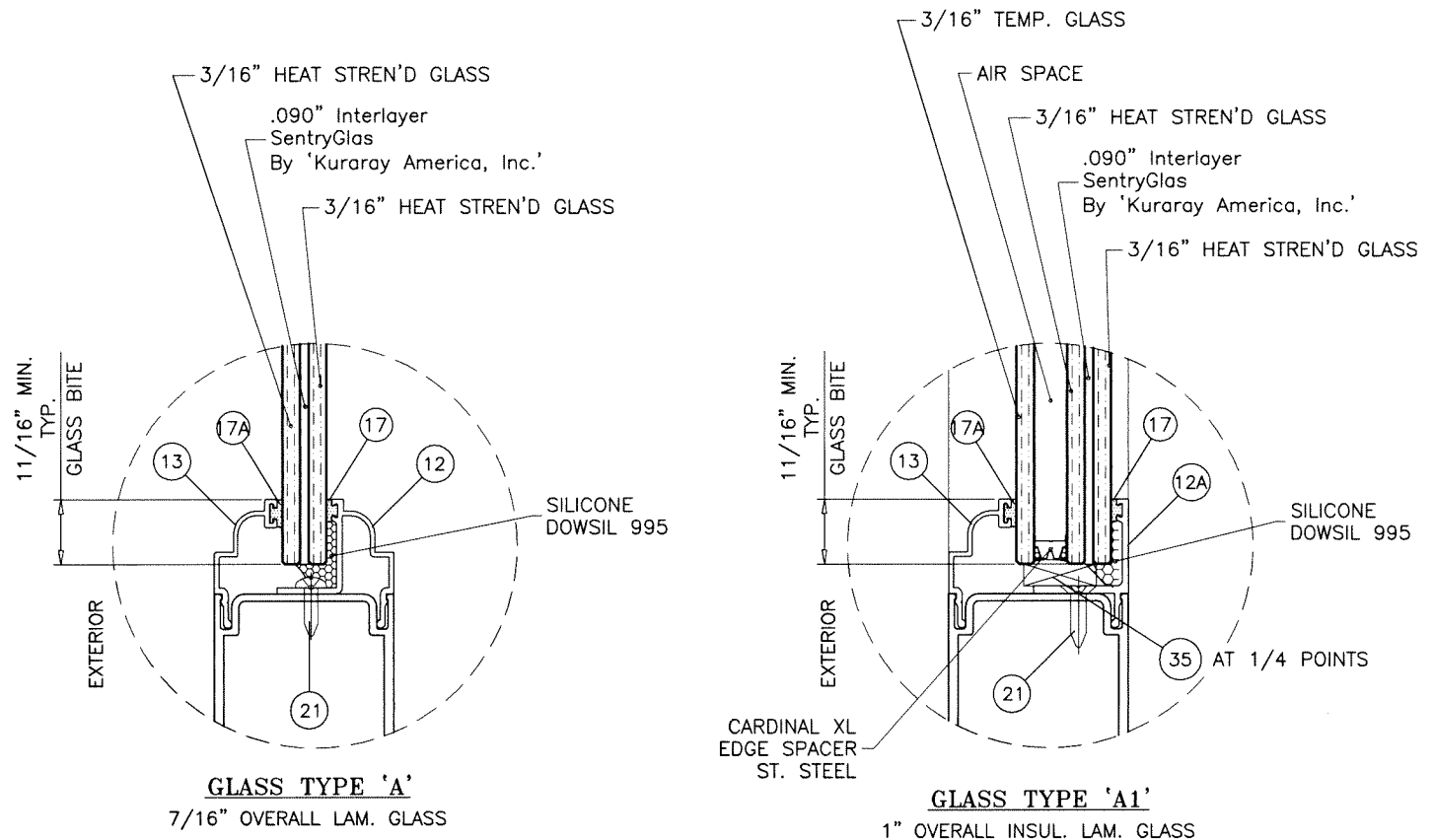
ANCHORS SHALL BE CORROSION RESISTANT, SPACED AS SHOWN ON DETAILS AND INSTALLED PER MANUF'S INSTRUCTIONS. SPECIFIED EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.

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.

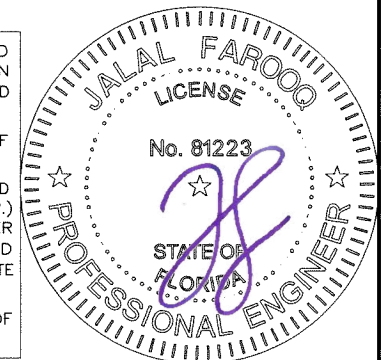
DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.
MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE.
LABELING TO COMPLY WITH SECTION 1709.9.2.



Sealed: 7/25/2023

FL #34008

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.



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\W15-105SIW

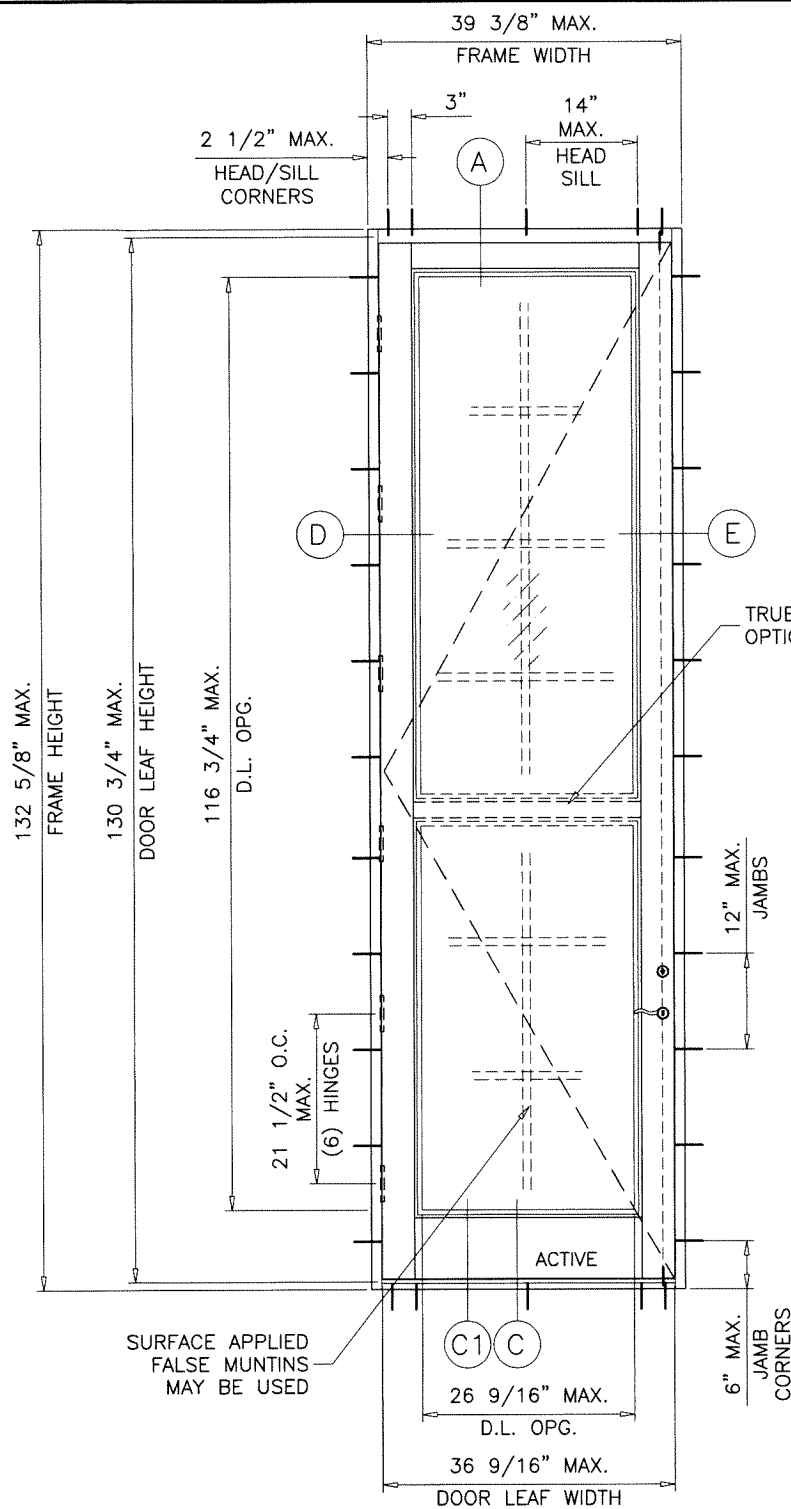
Coastline Inswing French Door/Entry Door IZ4
MARVIN
PO Box 100, 401 State Ave. N.
Warroad, MN. 56763
Tel. (218) 386-1430 Ext. 2143

no	date	description
A	12.07.17	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

revisions:

date: 11-25-15
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

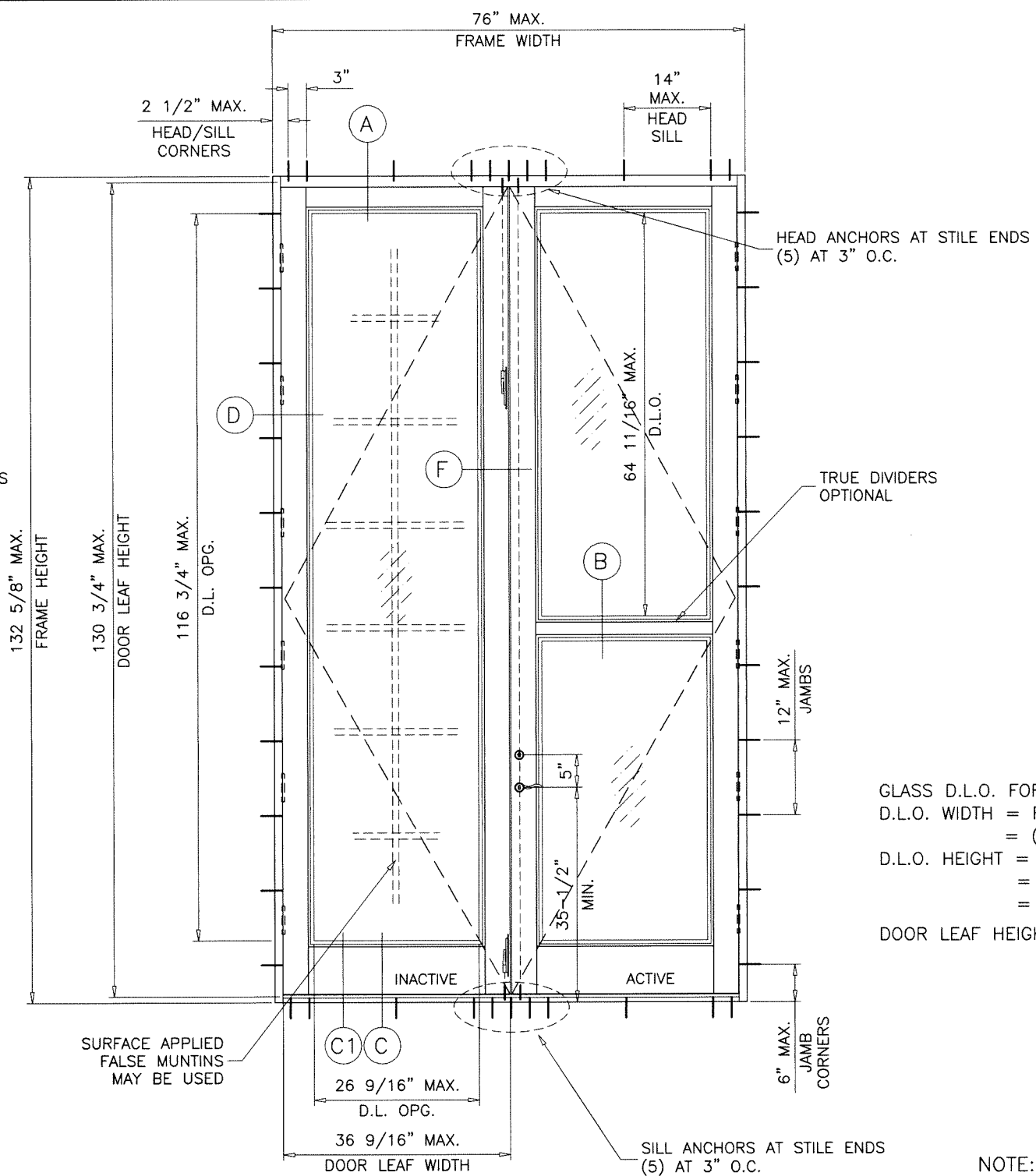
drawing no.
W15-105
sheet 1 of 8



TYPICAL ELEVATION
(X)

DOORS LOAD CAPACITY - PSF SINGLE DOORS (X)			
DOOR DIMS.		GLASS 'A' & 'A1'	
FRAME WIDTH	FRAME HEIGHT	EXT.(+)	INT.(-)
39-3/8"	132-5/8"	50.0	50.0

NOTE:
VERIFY COMPLIANCE WITH EGRESS LIMITATIONS WHERE REQUIRED.



TYPICAL ELEVATION
(XX)

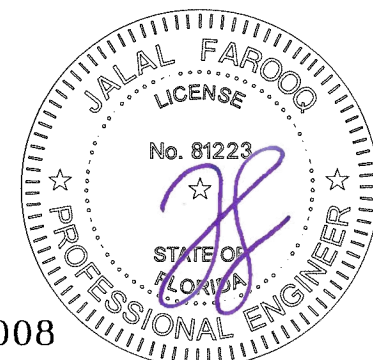
DOORS LOAD CAPACITY - PSF DOUBLE DOORS (XX)			
DOOR DIMS.		GLASS 'A' & 'A1'	
FRAME WIDTH	FRAME HEIGHT	EXT.(+)	INT.(-)
76"	132-5/8"	50.0	50.0

GLASS D.L.O. FORMULAE:
 D.L.O. WIDTH = FRAME WIDTH - 12.813" (X DOORS)
 = (FRAME WIDTH - 22.875")/2 (XX DOORS)
 D.L.O. HEIGHT = FRAME HEIGHT - 11.875" (4" BOTTOM RAIL)
 = FRAME HEIGHT - 13.875" (6" BOTTOM RAIL)
 = FRAME HEIGHT - 15.875" (8" BOTTOM RAIL)
 DOOR LEAF HEIGHT = FRAME HEIGHT - 1.875"

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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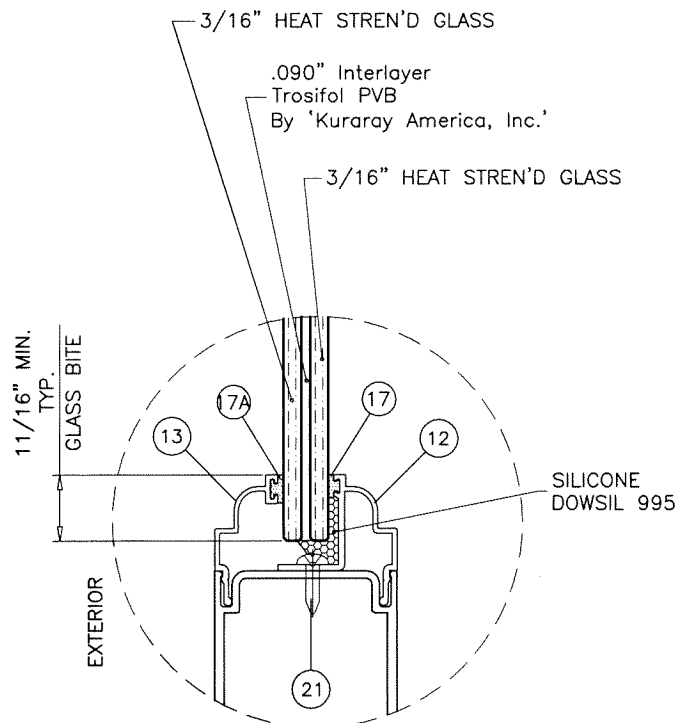


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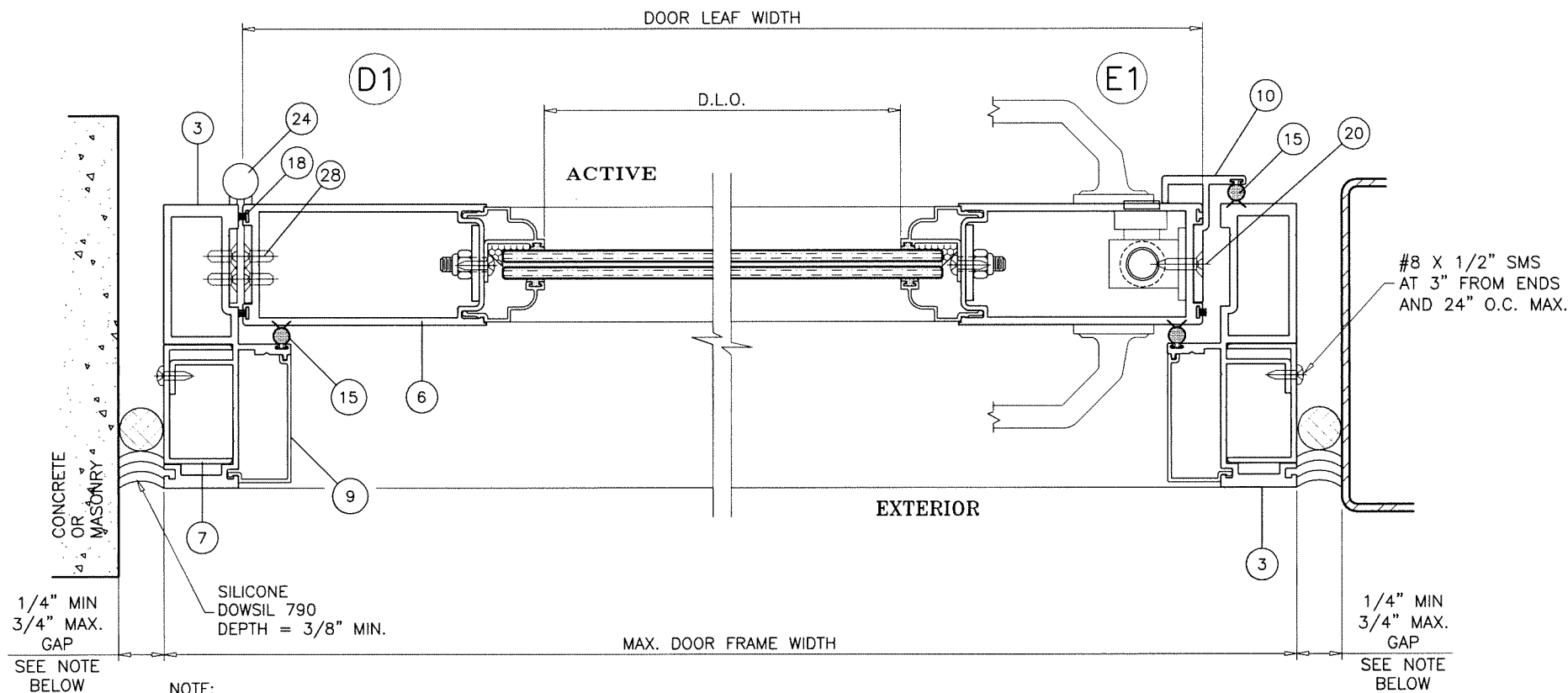
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no	date	description

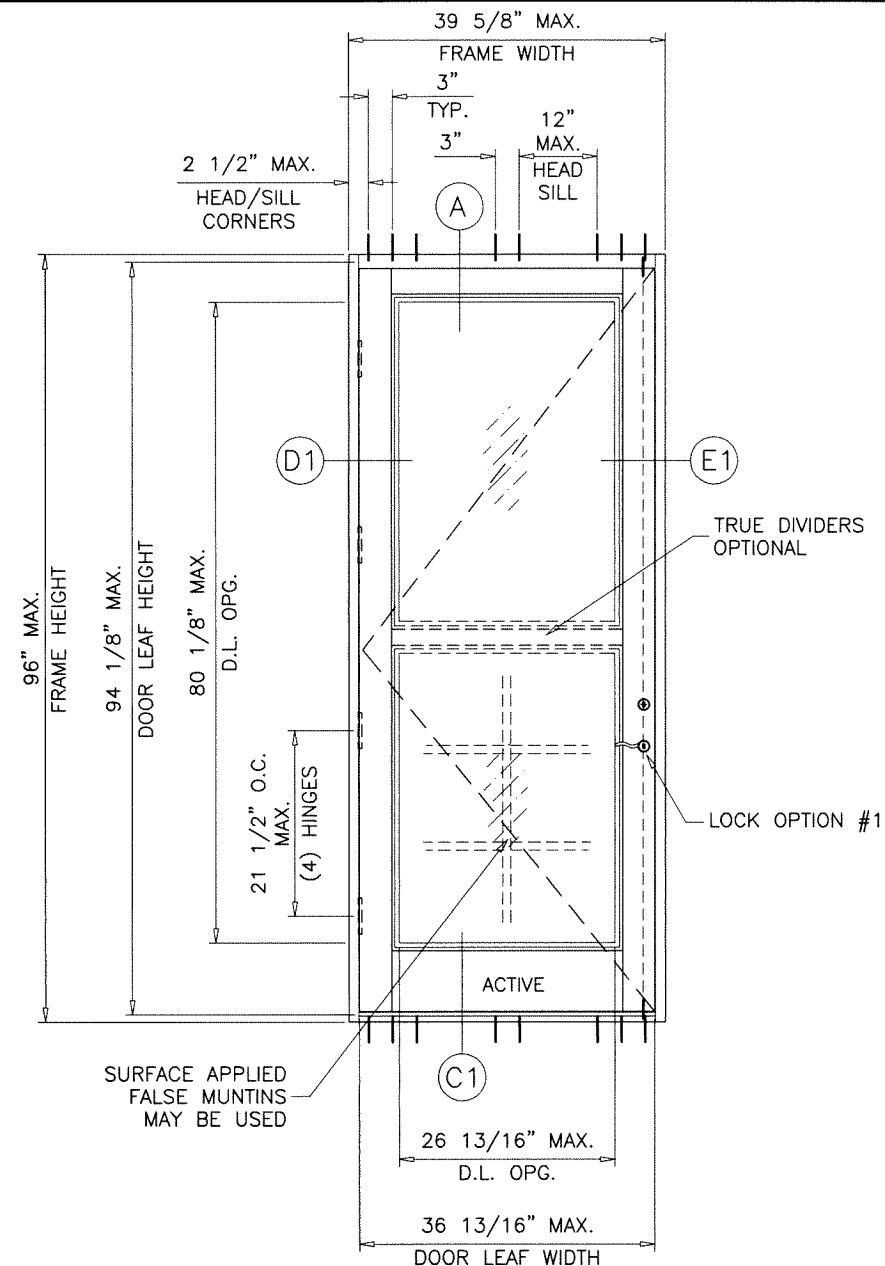
date: 11-25-15
 scale: 1/2"=1'-0"
 dr. by: TARIQ
 chk. by:
 drawing no.
W15-105
 sheet 2 of 8



GLASS TYPE 'B'
7/16" OVERALL LAM. GLASS



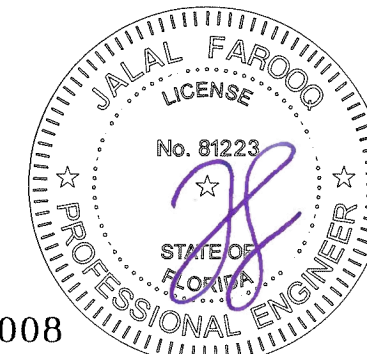
NOTE:
MAX. MOVEMENT CONSIDERED=100% STRETCH.
PLEASE REFER TO SEALANT MANUFACTURER'S DATA AND APPLICATION MANUAL FOR COMPATABILITY OF SEALANT TO SUBSTRATE & WINDOWALL MATERIAL/FINISH AND COMPLIANCE FOR WARRANTY.
REFER TO ACI-117-10 FOR CONSTRUCTION TOLERANCES.
ALTERNATE SEALANTS AT JAMB GAPS CAN BE DESIGNED BY ENGINEER OF RECORD BASED ON MANUFACTURER GUIDE LINES.
GAPS LESS THAN 1/4" MAY BE DESIGNED BY ENGINEER OF RECORD BY THE USE OF BOND BREAKER TAPE OR 15% OF GAP ALLOWED MOVEMENT.



TYPICAL ELEVATION
SINGLE (X) DOOR WITH UNANCHORED JAMBS

DOORS LOAD CAPACITY - PSF			
SINGLE DOORS (X)			
DOOR DIMS.		GLASS TYPE 'B'	
FRAME WIDTH	FRAME HEIGHT	EXT.(+)	INT.(-)
39-5/8"	96"	55.0	80.0

NOTE:
VERIFY COMPLIANCE WITH EGRESS LIMITATIONS WHERE REQUIRED.



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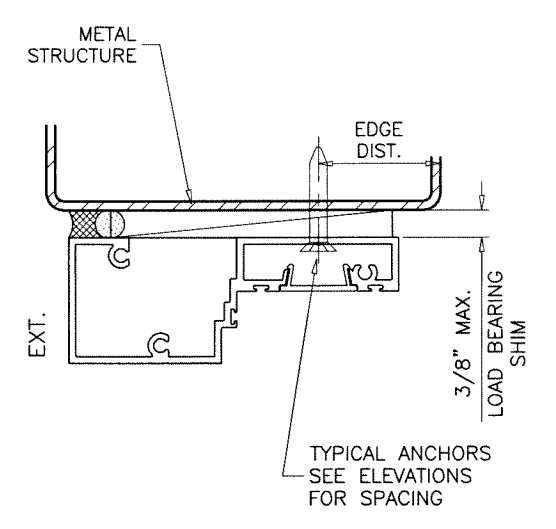
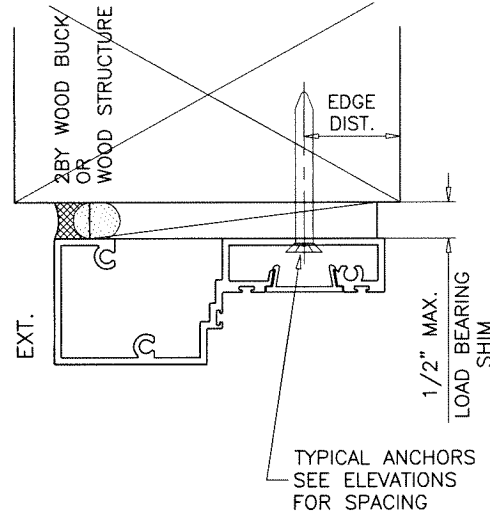
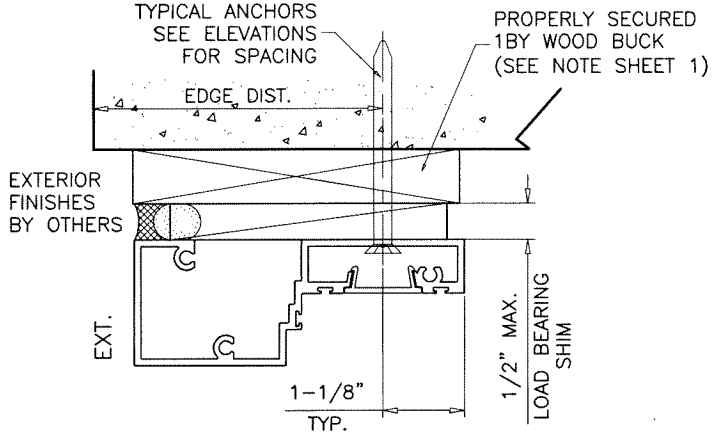
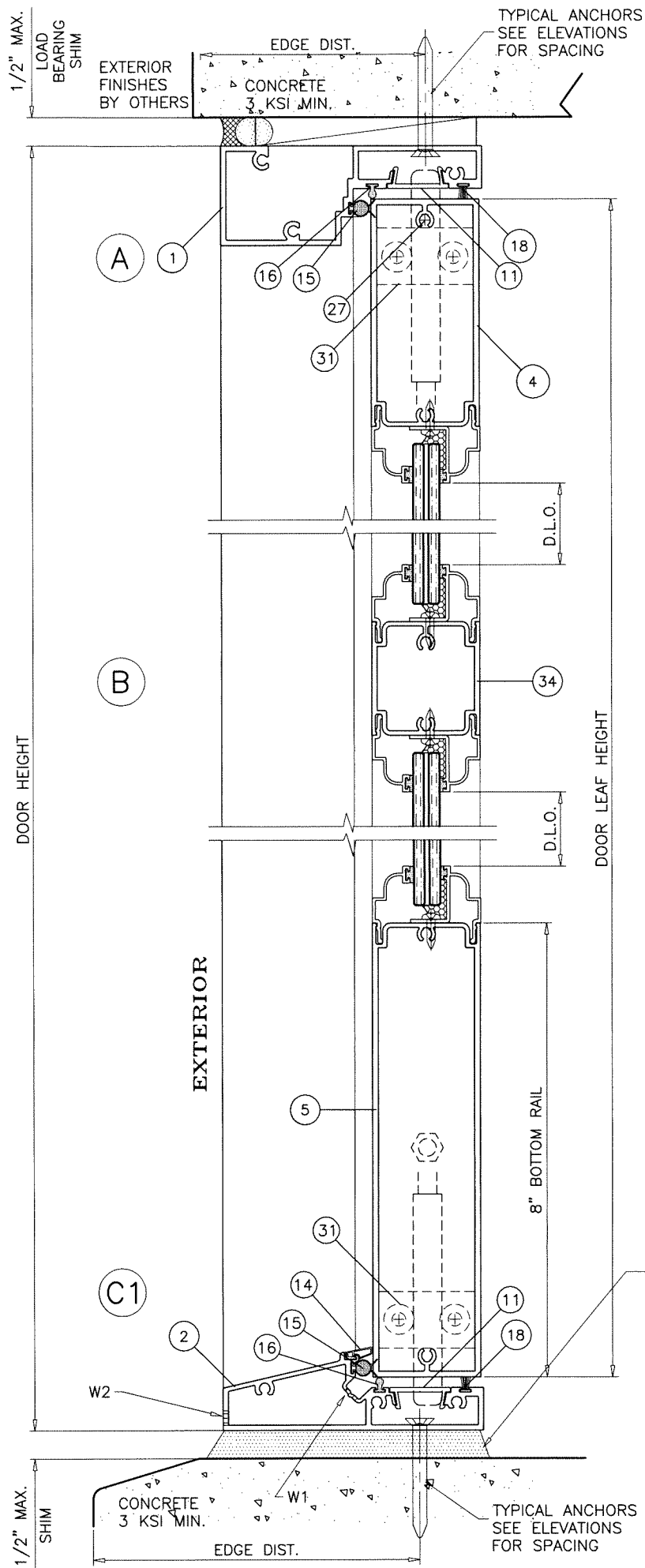
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Coastline Inswing French Door/Entry Door IZ4
MARVIN
PO Box 100, 401 State Ave. N.
Warroad, MN. 56763
Tel. (218) 386-1430 Ext. 2143

revisions:	no	date	by	description
date:	11-25-15	scale:	1/2"=1'-0"	
dr. by:	TARIQ	chk. by:		
drawing no.	W15-105			
sheet	2.1 of 8			

COMP-ANL\W15-105SIW



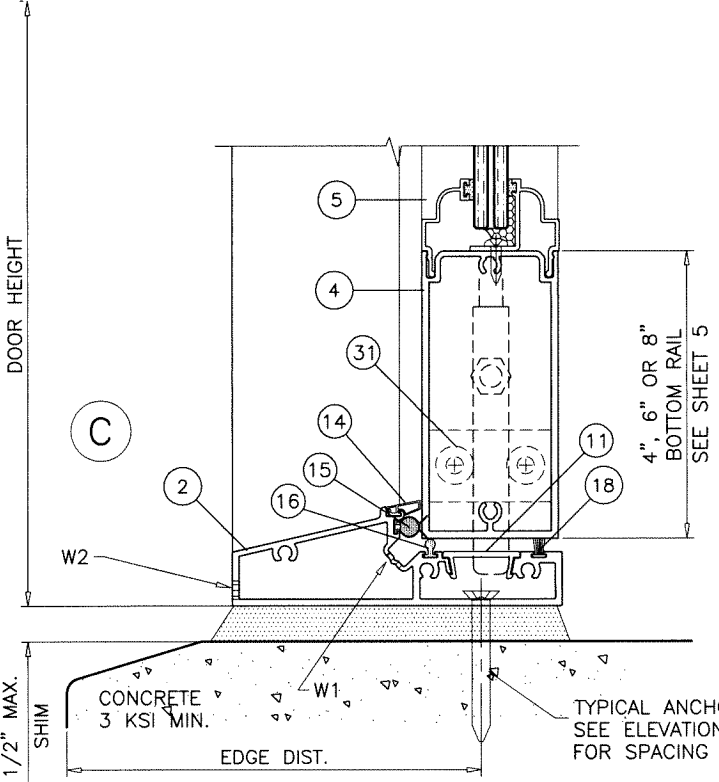
TYPICAL ANCHORS: SEE ELEV. FOR SPACING

ANCHORS TYPE	SUBSTRATE	AT HEAD		AT SILL		AT JAMBS	
		MIN. LENGTH	MIN. EDGE DIST.	MIN. LENGTH	MIN. EDGE DIST.	MIN. LENGTH	MIN. EDGE DIST.
1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)	WOOD	2-3/4"	1"	N.A.	N.A.	3-3/4"	1"
	MASONRY	N.A.	N.A.	N.A.	N.A.	3-3/4"	2-1/2"
	CONCRETE	2-3/4"	2-1/2"	2-3/4"	2-1/2"	3-3/4"	2-1/2"
1/4" DIA. SELF DRILLING SCREWS (GRADE 5 CRS)	METAL	3/4"	3/4"	N.A.	N.A.	3/4"	3/4"

WOOD = 1BY OR 2BY WOOD BUCKS OR WOOD STRUCTURE S.G. = 0.55 MIN.
 MASONRY = C-90 HOLLOW/FILLED BLOCK f'm = 2000 PSI MIN.
 CONCRETE = f'c = 3000 PSI MIN.
 METAL = 1/8" MIN. THK. STEEL Fy = 36 KSI MIN.
 F.B.C. APPROVED MULLION 1/8" MIN. THK.

PROPERLY SECURED 1BY OR 2BY WOOD BUCKS AND METAL STRUCTURES NOT BY 'MARVIN' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO BUILDING STRUCTURE.

ANCHORS MAY BE HEX OR FLAT HEAD.

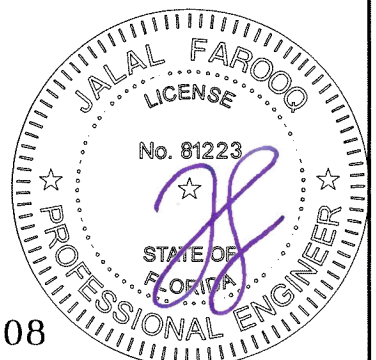


WEEPHOLES:
 W1 = 1/4" X 1" NOTCH AT 6" FROM EACH END
 (2) AT CENTER OF XX DOORS ONLY AT 14" APART
 W2 = 1/4" X 1" NOTCH AT 1/2" FROM EACH END

POURED & HARDENED HIGH STRENGTH GROUT f'c = 5000 PSI MIN. NOT BY 'MARVIN' MUST TRANSFER SHEAR LOADS TO STRUCTURE
 LOAD BEARING (SOLID SHIMS OPTIONAL TO GROUT)

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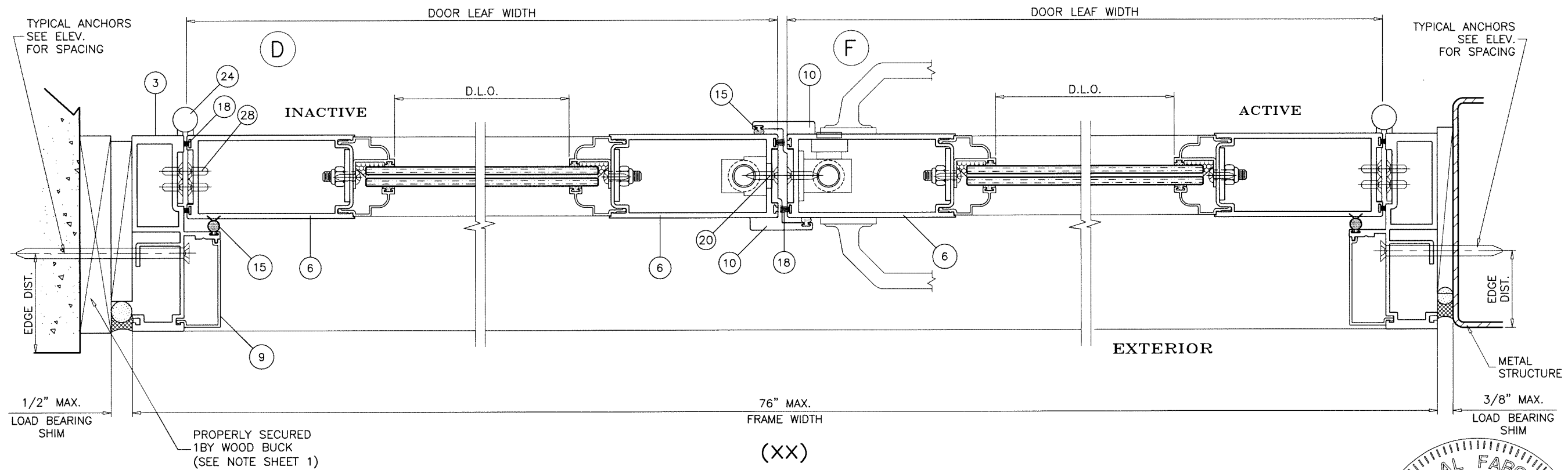
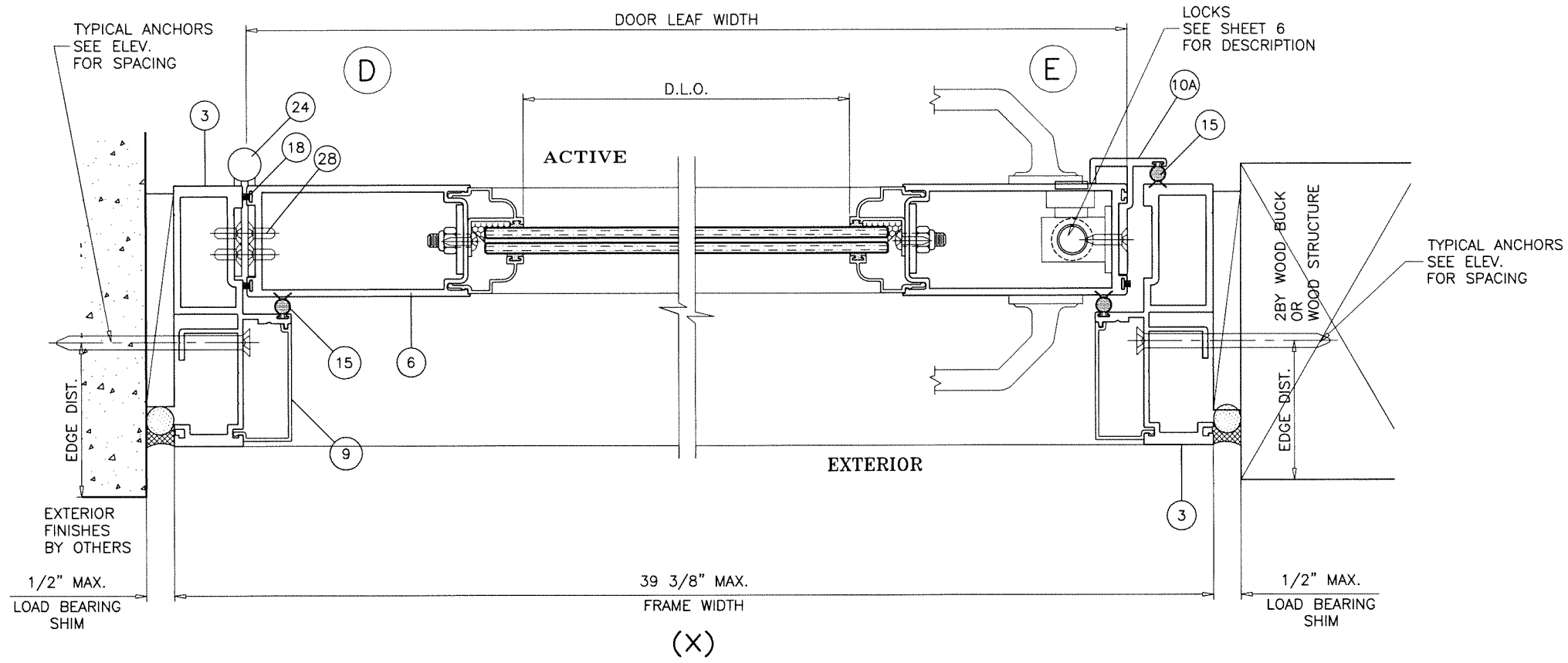
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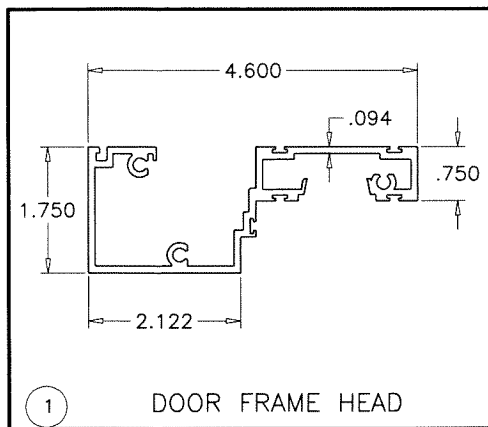
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W15-105
 sheet 4 of 8

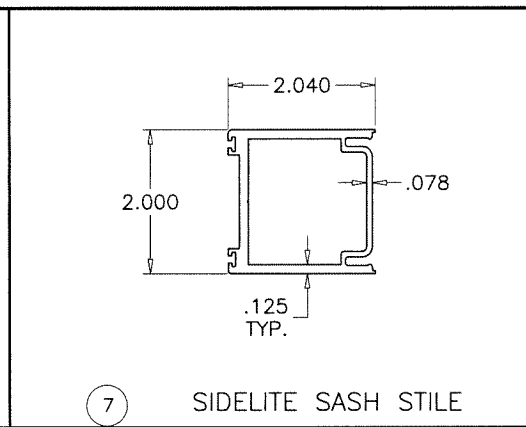
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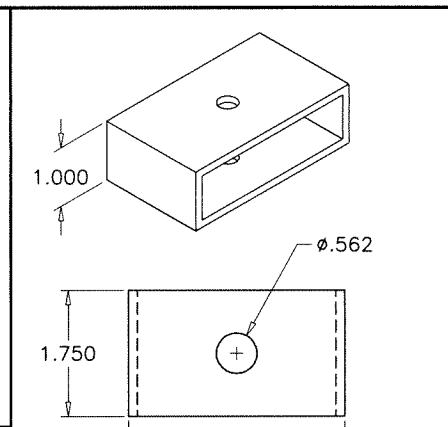




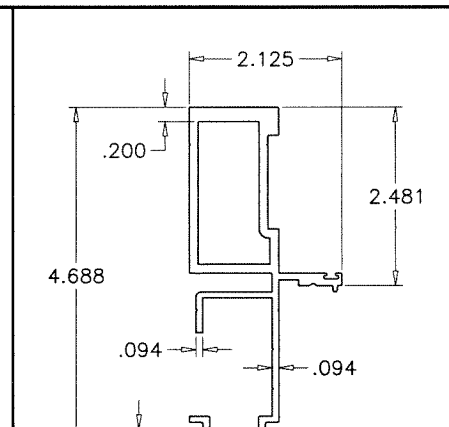
1 DOOR FRAME HEAD



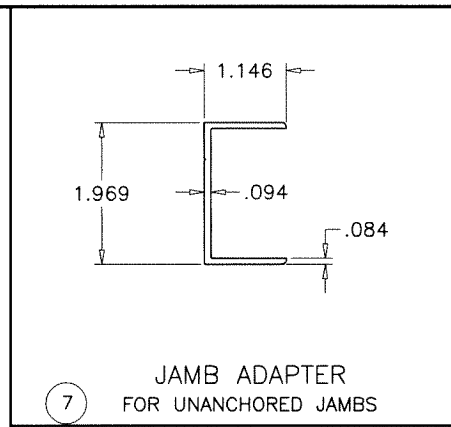
7 SIDELITE SASH STILE



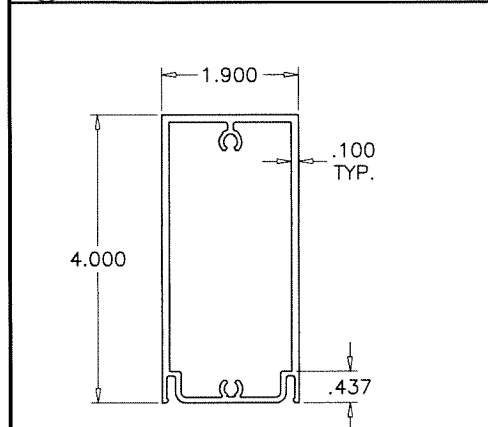
31 FLUSH BOLT BLOCK



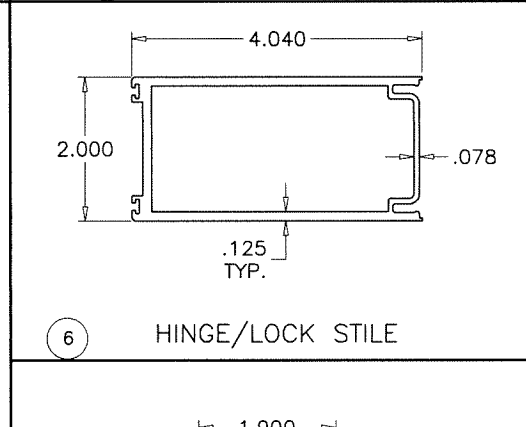
3 FRAME JAMB



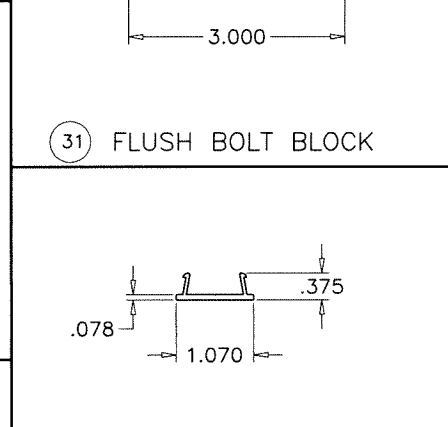
7 JAMB ADAPTER FOR UNANCHORED JAMBS



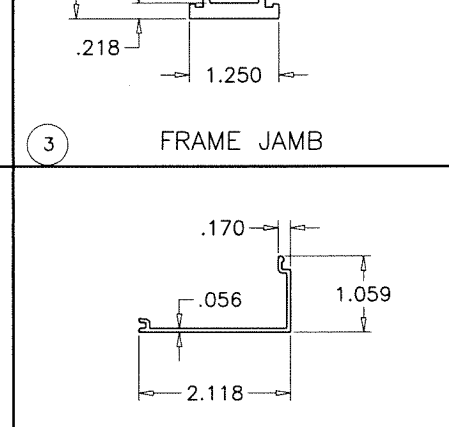
4 TOP/BOTTOM RAIL



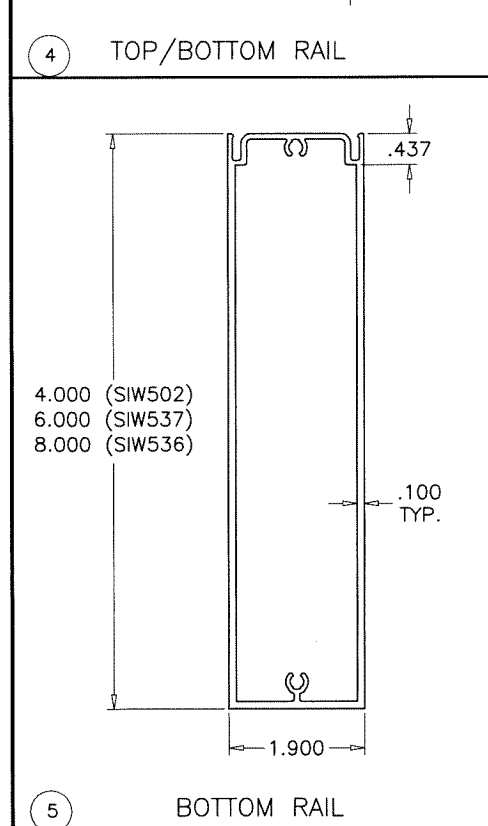
6 HINGE/LOCK STILE



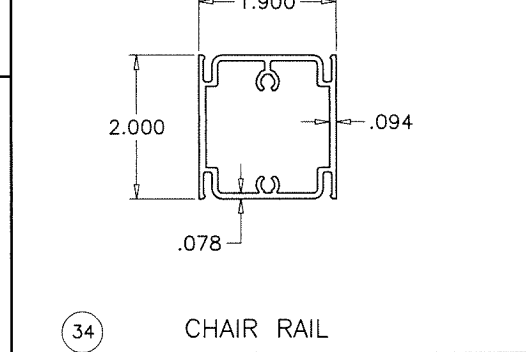
11 SNAP COVER



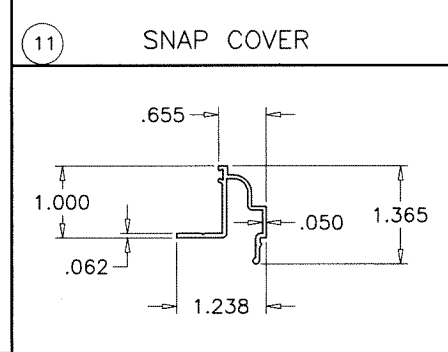
9 JAMB SCREW COVER



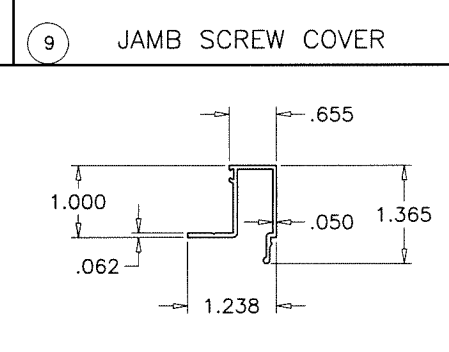
5 BOTTOM RAIL



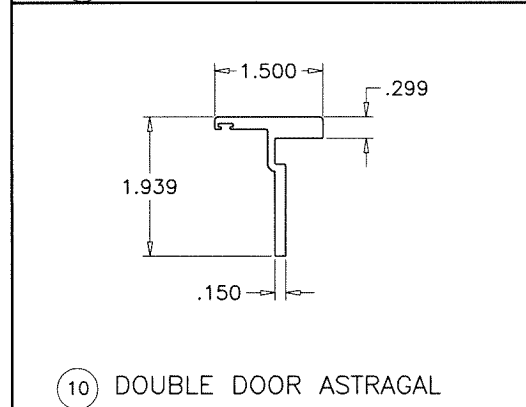
34 CHAIR RAIL



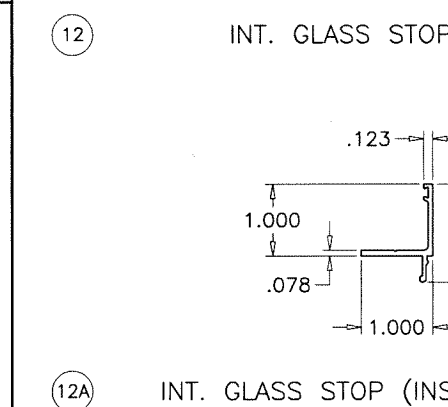
12 INT. GLASS STOP (LAM. GLASS)



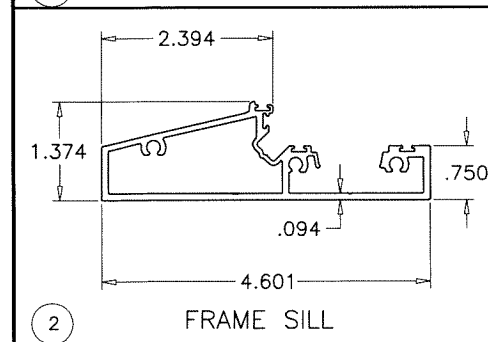
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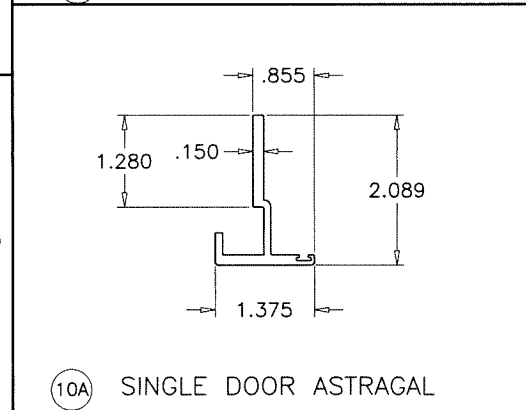
10 DOUBLE DOOR ASTRAGAL



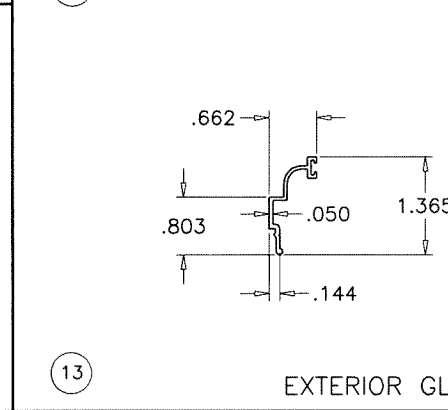
12A INT. GLASS STOP (INSUL. LAM. GLASS)



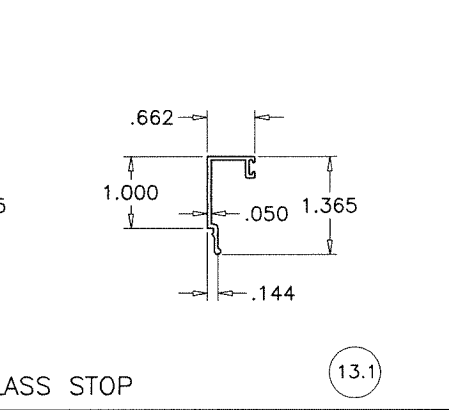
2 FRAME SILL



10A SINGLE DOOR ASTRAGAL



13 EXTERIOR GLASS STOP



13.1

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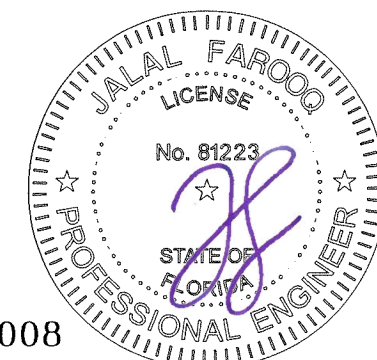
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 dr. by: TARIQ
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 drawing no.
W15-105
 sheet 5 of 8

Sealed: 7/25/2023

FL #34008



STD. LOCKS:

ACTIVE LEAF:

OPTION #1:

SENTINEL MULTIPOINT LOCK BY 'ASHLAND'
WITH THROW BOLT AT 35-1/2" FROM BOTTOM
FLUSH BOLTS CONNECTED TO LOCK
KEY OPERATED ON EXTERIOR AND THUMB TURN ON
INTERIOR AND ENGAGING FRAME AT HEAD AND SILL
WITH 1/2" MIN. PENETRATION

OPTION #2:

3 POINT LOCK ASSEMBLY (M1805S) BY 'ADAMS RITE'
WITH THROW BOLT AT 36" FROM BOTTOM
FLUSH BOLTS CONNECTED TO LOCK
KEY OPERATED ON EXTERIOR AND THUMB TURN ON
INTERIOR AND ENGAGING FRAME AT HEAD WITH 4016 ARM
AND AT SILL WITH 4015 ARM
1/2" MIN. PENETRATION

INACTIVE LEAF

CONCEALED FLUSH BOLTS (FB-1202-914)
BY 'SULLIVAN & ASSOC.'
MANUALLY OPERATED LEVERS MOUNTED ON
INSIDE FACE OF LEAF STILE LOCATED AT
12" FROM BOTTOM AND 34" FROM TOP

HINGES:

4" X 4" ST. STEEL BUTT HINGES DELTANA (DSB4NB OR SD44HD)
AT 13" FROM TOP AND BOTTOM ENDS AND 21-1/2" O.C. MAX.
HINGE ATTACHED TO DOOR FRAME AND DOOR STILE
USING (4) #12 X 1" FH MS

SEALANT:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH
'SCHNEE-MOREHEAD 5504' SEAM SEALER.

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	SIW505	1	DOOR FRAME HEAD	6063-T6	SIW SELECTED EXTRUDER
2	SIW545	1	IN swing FRAME SILL	6063-T6	SIW SELECTED EXTRUDER
3	SIW506	2/DOOR	FRAME JAMB	6063-T6	SIW SELECTED EXTRUDER
4	SIW502	1/ LEAF	DOOR TOP/BOTTOM RAIL	6063-T6	SIW SELECTED EXTRUDER
5	SIW536	1/ LEAF	DOOR BOTTOM RAIL	6063-T6	SIW SELECTED EXTRUDER
6	SIW503	2/ LEAF	HINGE STILE/LOCK STILE	6063-T6	SIW SELECTED EXTRUDER
7	SIW504	AS REQD.	JAMB ADAPTER	6063-T6	SIW SELECTED EXTRUDER
9	SIW511	AS REQD.	JAMB SCREW COVER	6063-T6	SIW SELECTED EXTRUDER
10	SIW509	AS REQD.	DOUBLE DOOR ASTRAGAL	6063-T6	SIW SELECTED EXTRUDER
10A	SIW535	AS REQD.	SINGLE DOOR ASTRAGAL	6063-T6	SIW SELECTED EXTRUDER
11	SIW510	AS REQD.	SCREW COVER	6063-T6	SIW SELECTED EXTRUDER
12	SIW512	AS REQD.	INTERIOR GLASS STOP (LAM. GLASS)	6063-T6	SIW SELECTED EXTRUDER
12.1	SIW540	AS REQD.	INTERIOR GLASS STOP SQUARE (LAM. GLASS)	6063-T6	SIW SELECTED EXTRUDER
12A	SIW520	AS REQD.	INTERIOR GLASS STOP (INSUL. LAM. GLASS)	6063-T5	SIW SELECTED EXTRUDER
13	SIW513	AS REQD.	EXTERIOR GLASS STOP	6063-T6	SIW SELECTED EXTRUDER
13.1	SIW541	AS REQD.	EXTERIOR GLASS STOP SQUARE	6063-T6	SIW SELECTED EXTRUDER
14	SIW548	1	THRESHOLD TRIM	EDPM	DUROMETER 75±5 SHORE A
15	9016E	-	BULB W'STRIPPING	VINYL	CENTRAL PLSTICS
16	U4513	-	Q-LON W'STRIPPING	VINYL	SCHLEGEL
17	5530	AS REQD.	INTERIOR GLAZING GASKET (DUROMETER 70±5)	TPE	ULTRAFAB
17A	5531	AS REQD.	EXTERIOR GLAZING GASKET (DUROMETER 70±5)	SANTOPRENE	CENTRAL PLASTICS
18	W23201NW0020	AS RQD.	FINSEAL PILE W'STRIPPING	-	ULTRAFAB
20	#8 X 1/2"	-	ASTRAGAL SCREWS PH SMS	-	AT 4" FROM ENDS & 24" O.C.
21	#8 X 1/2"	AS REQD.	GLASS STOP SCREWS SELF DRILLING	-	AT 8" FROM ENDS & 15" O.C. MAX.
24	SD44HD	4/LEAF	BUTT HINGES	-	STAINLESS STEEL
27	#12 X 2"	1/ CORNER	FRAME AND LEAF ASSEMBLY SCREWS	ST. STEEL	HWH SMS
28	#12 X 1/2"	AS REQD.	HINGE ASSEMBLY SCREWS	ST. STEEL	FH MS TYPE F SS
31	SIW 521	-	FLUSH BOLT BLOCK	6063-T6	-
32	#2	-	FLUSH BOLTS	-	SULLIVAN & ASSOC.
34	SIW539	-	2" CHAIR RAIL	6063-T6	-
35	-	AS REQD.	SETTING BLOCKS AT 1/4 POINTS	EPDM	DUROMETER 85±5 SHORE A

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 Inswing French Door/Entry Door IZ4

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

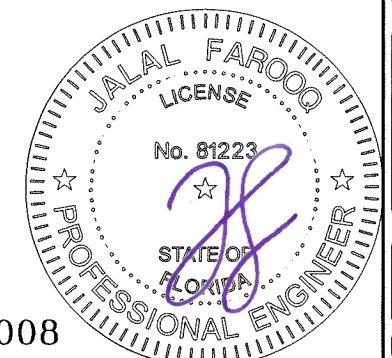
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date: 11-25-15
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

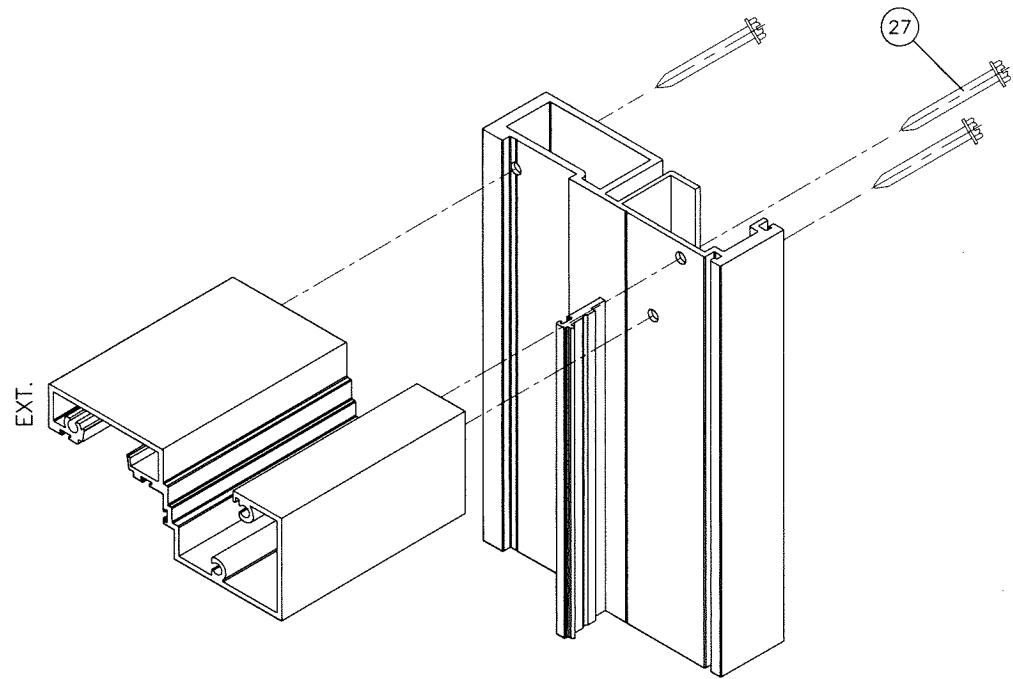
drawing no.
W15-105
sheet 6 of 8

Sealed: 7/25/2023

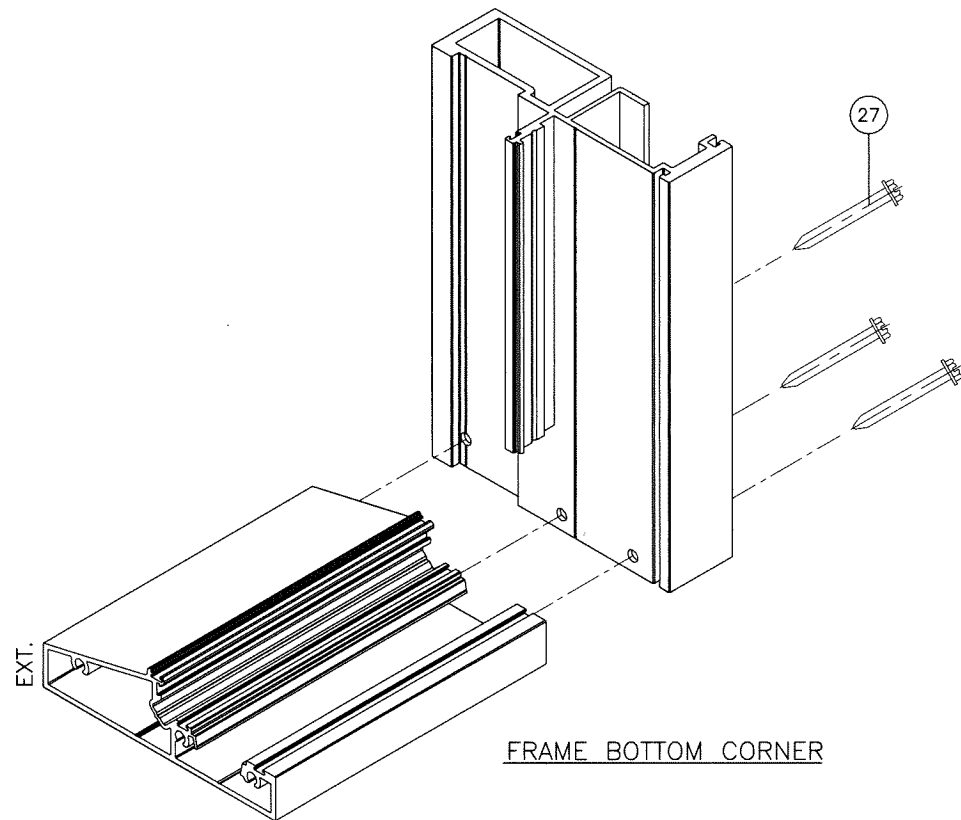
FL #34008



COMP-ANL\W15-105SIW



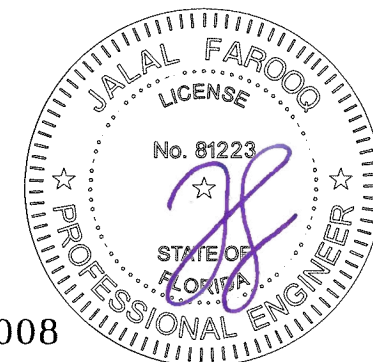
FRAME TOP CORNER



FRAME BOTTOM CORNER

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FL #34008



Coastline Inswing French Door/Entry Door IZ4



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revisions:
no date by description

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dr. by: TARIQ

chk. by:

drawing no.

W15-105

sheet 7 of 8

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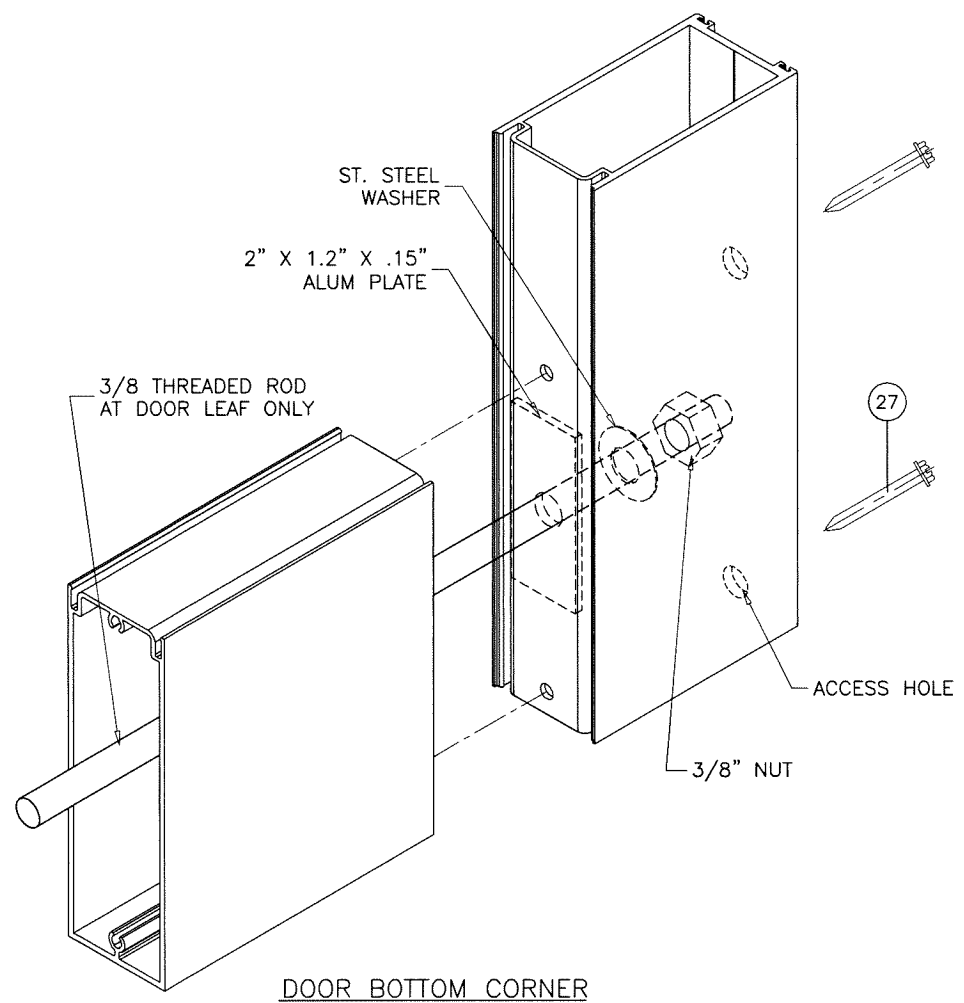
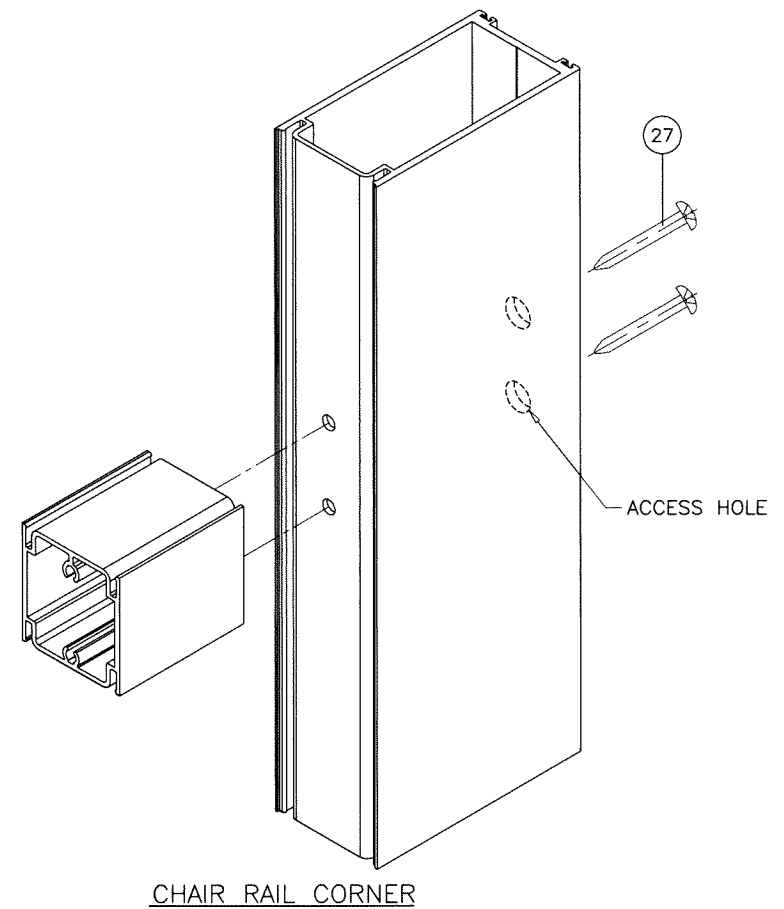
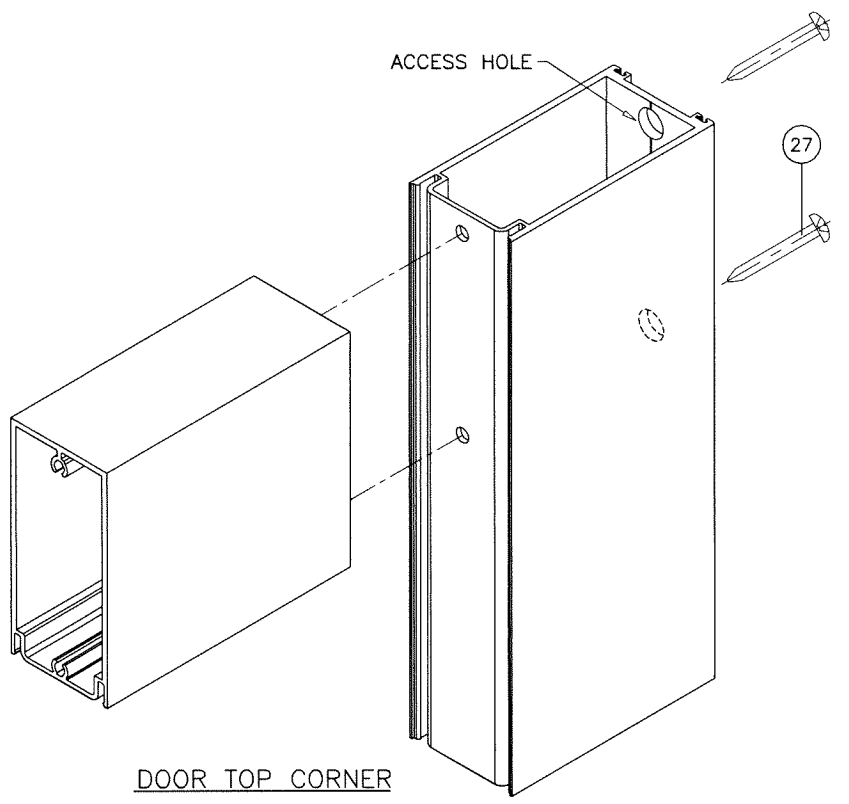


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sheet 8 of 8



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FL #34008

