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Product Approval
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OFFICE OF THE SECRETARY

FL #	FL32381-R2								
Application Type	Revision								
Code Version	2023								
Application Status	Approved								
Comments									
Archived	<input type="checkbox"/>								
Product Manufacturer	Sunshine Windows Manufacturing Inc.								
Address/Phone/Email	1745 West 33rd Place Hialeah, FL 33012 (305) 364-9952 Ext 109 noel_m_2001@yahoo.com								
Authorized Signature	Jalal Farooq veronica@afceng.com								
Technical Representative									
Address/Phone/Email									
Quality Assurance Representative									
Address/Phone/Email									
Category	Exterior Doors								
Subcategory	Swinging Exterior Door Assemblies								
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received								
Florida Engineer or Architect Name who developed the Evaluation Report	Jalal Farooq								
Florida License	PE-81223								
Quality Assurance Entity	Keystone Certifications, Inc.								
Quality Assurance Contract Expiration Date	02/28/2029								
Validated By	Abel Carrasco, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received								
Certificate of Independence	FL32381_R2_COI_SS - Certificate of Independence 2023.pdf								
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th>Standard</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>TAS 201</td> <td>1994</td> </tr> <tr> <td>TAS 202</td> <td>1994</td> </tr> <tr> <td>TAS 203</td> <td>1994</td> </tr> </tbody> </table>	Standard	Year	TAS 201	1994	TAS 202	1994	TAS 203	1994
Standard	Year								
TAS 201	1994								
TAS 202	1994								
TAS 203	1994								
Equivalence of Product Standards Certified By									
Sections from the Code									

Product Approval Method

Method 1 Option D

Date Submitted

07/28/2023

Date Validated

07/30/2023

Date Pending FBC Approval

08/02/2023

Date Approved

10/18/2023

Summary of Products

FL #	Model, Number or Name	Description
32381.1	Series 2001 Aluminum Outswing Entrance Door	Large missile impact resistant aluminum outswing entrance door.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +80/-90 Other: See drawings 20-45F for span vs load combination and installation details.		Installation Instructions FL32381_R2_II_SS - 2001 OS ED (LMI) - DWG 20-45F (2023).pdf Verified By: Jalal Farooq PE # 81223 Created by Independent Third Party: Yes Evaluation Reports FL32381_R2_AE_SS - 2001 FD (LMI) - PAE 2023.pdf Created by Independent Third Party: Yes
32381.2	Series 2001 Aluminum Outswing Entrance Door	Non-impact resistant aluminum outswing entrance door.
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: No Design Pressure: +80/-135 Other: See drawings 20-42F for span vs load combination and installation details.		Installation Instructions FL32381_R2_II_SS - 2001 OS ED (NI) - DWG 20-42F (2023).pdf Verified By: Jalal Farooq PE # 81223 Created by Independent Third Party: Yes Evaluation Reports FL32381_R2_AE_SS - 2001 FD (NI) - PAE 2023.pdf Created by Independent Third Party: Yes

[Back](#)

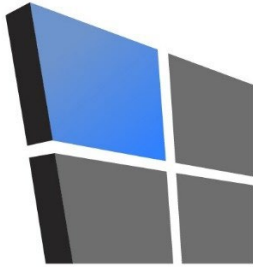
[Next](#)

Contact Us :: [2601 Blair Stone Road, Tallahassee FL 32399](#) Phone: 850-487-1824

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AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

January 23, 2023

Product Approval Administrator
Building Codes & Standards Section
Department of Business & Professional Regulations
1940 North Monroe Street, Suite 90
Tallahassee, FL 32399-2100

To whom it may concern,

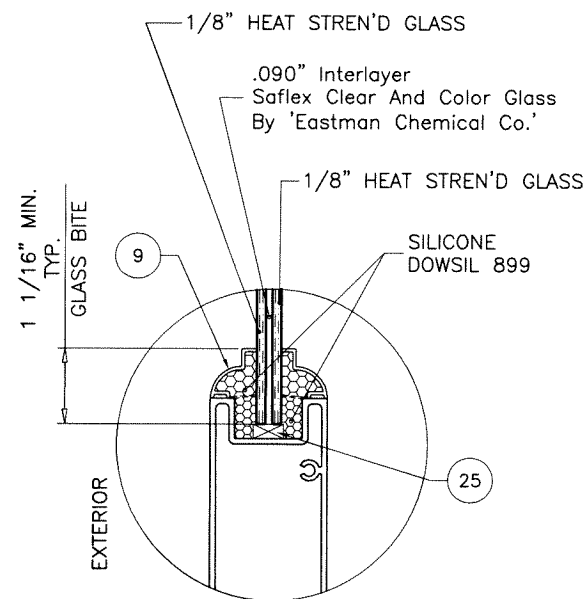
As the design engineer retained to prepare the product approval(s) associated with this letter as shown below on this same web page, I do hereby declare that I do not have and will not have any financial interest in any company manufacturing or distributing the referenced product(s), nor do I have or will have any financial interest with any other entity involved in the approval process of the referenced product(s).

Sincerely,

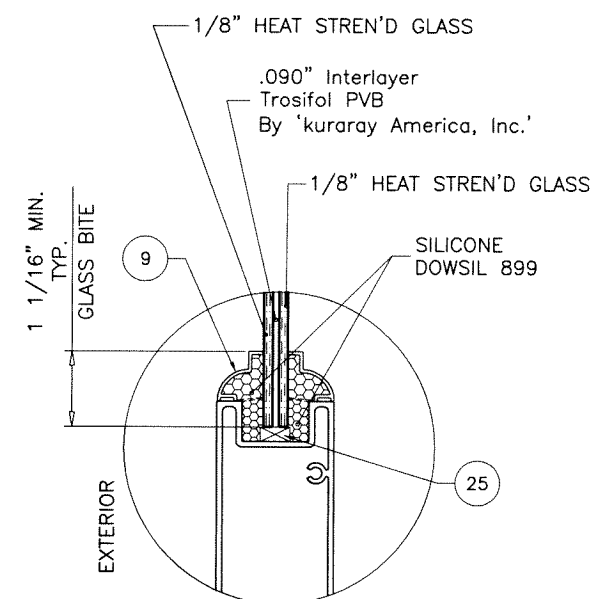


Jalal Farooq, P.E.
CFO

Sealed: 1/23/2023



GLASS TYPE 'A'
5/16" OVERALL LAM. GLASS



GLASS TYPE 'B'
5/16" OVERALL LAM. GLASS

GLAZING OPTIONS

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

**SERIES-2001 (L.M.I.)
ALUMINUM OUTSWING ENTRANCE DOOR**

APPROVAL APPLIES TO SINGLE (X) AND DOUBLE (XX) LEAF DOORS. SEE SHEET 2 FOR DESIGN LOAD CAPACITY.

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.

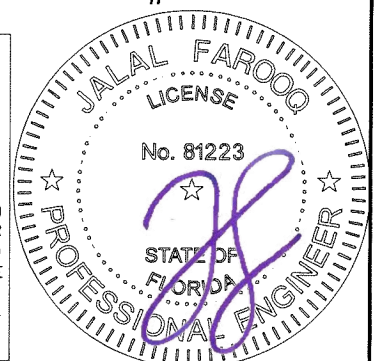
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

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: 7/26/2023

FL #32381

- 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.



no.	date	by	description
A	06.28.20		UPDATED TO 2020 FBC
B	07.21.23		UPDATED TO 2023 FBC

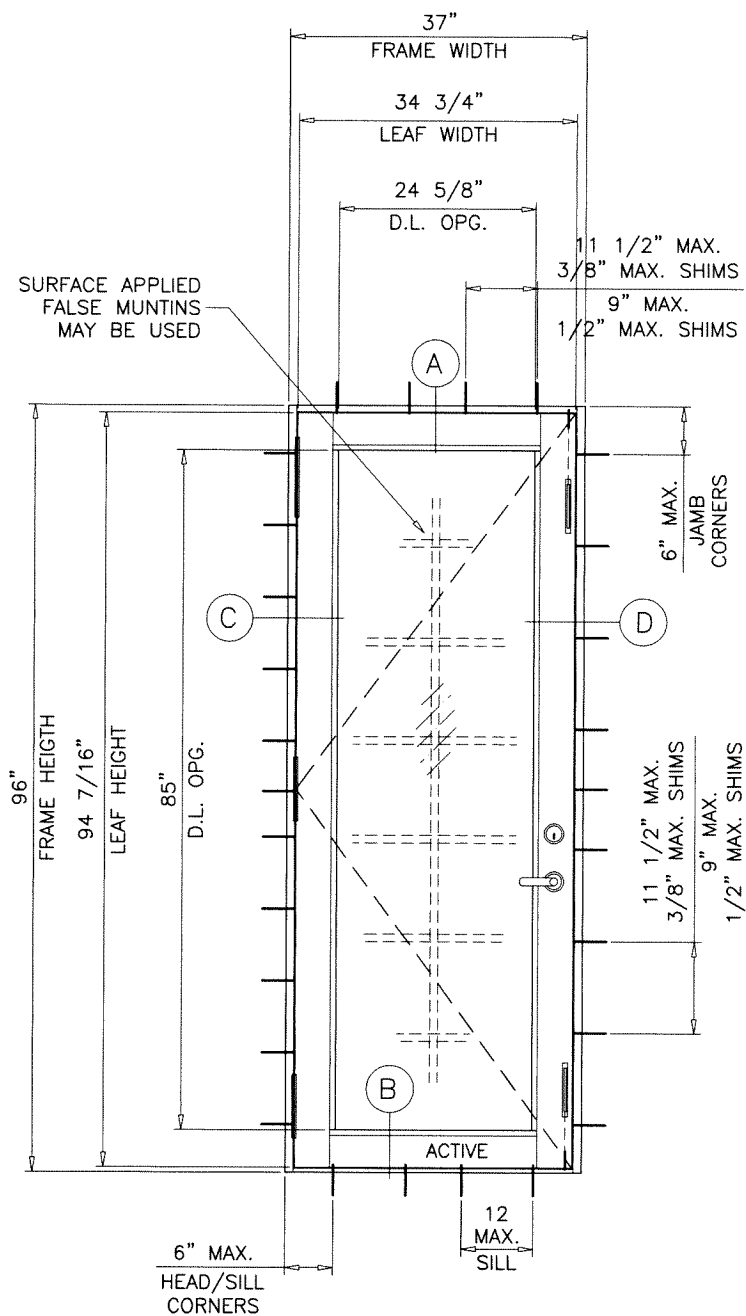
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dr. by: TARIQ
chk. by:

drawing no.
20-45F

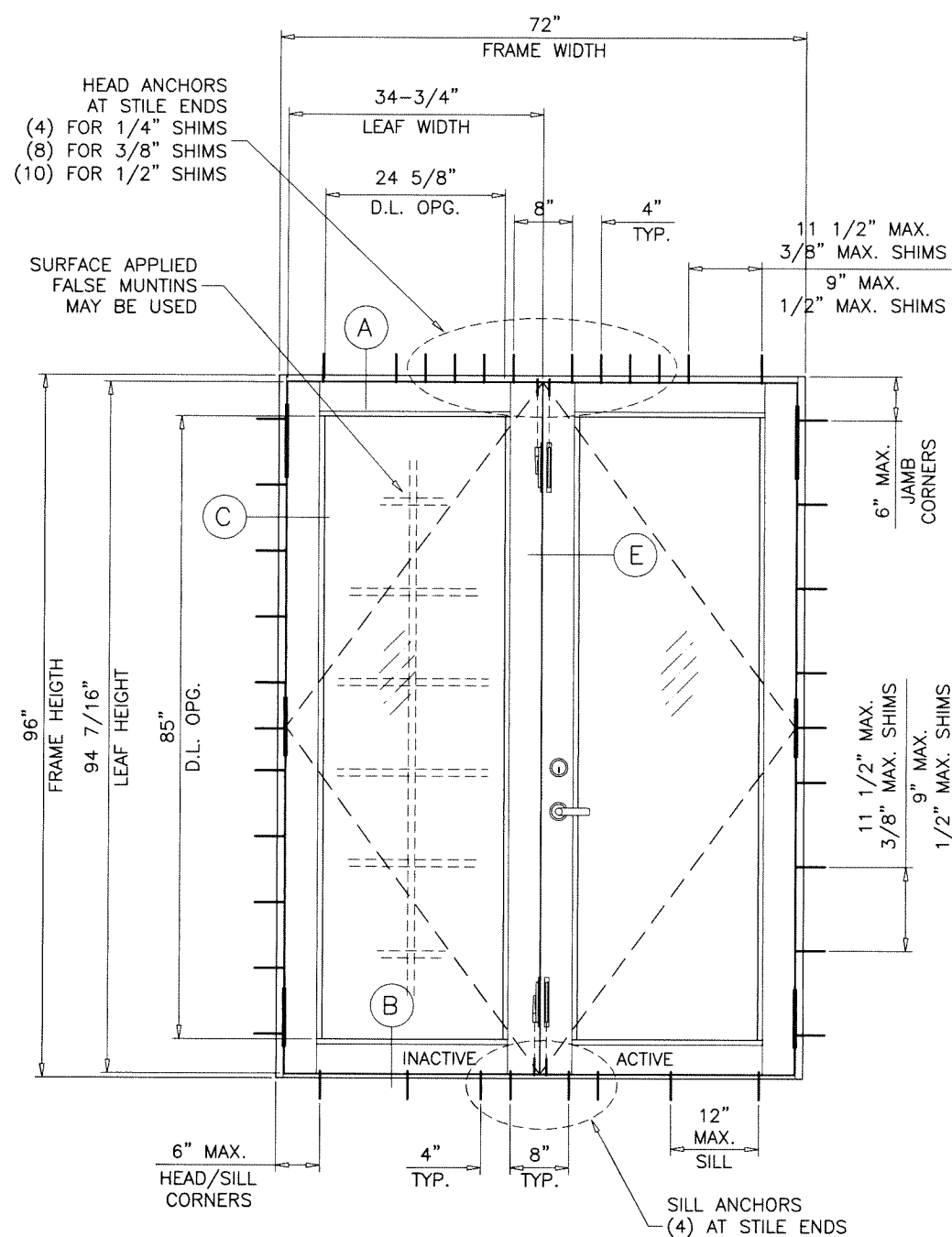
sheet 1 of 6

SERIES-2001 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

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\20-45F-SWM



TYPICAL ELEVATION
(X)



TYPICAL ELEVATION
(XX)

GLASS D.L.O. FORMULAE:
 D.L.O. WIDTH = FRAME WIDTH - 12.375" (X DOORS)
 = (FRAME WIDTH - 22.750")/2 (XX DOORS)
 D.L.O. HEIGHT = FRAME HEIGHT - 11.0"

SINGLE DOORS LOAD CAPACITY - PSF							
MAX. FRAME		MAX. LEAF		GLASS TYPE 'A'		GLASS TYPE 'B'	
WIDTH	HEIGHT	WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
37"	96"	34-3/4"	94-7/16"	70.0	70.0	80.0	90.0

DOUBLE DOORS LOAD CAPACITY - PSF							
MAX. FRAME		MAX. LEAF		GLASS TYPE 'A'		GLASS TYPE 'B'	
WIDTH	HEIGHT	WIDTH	HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
72"	96"	34-3/4"	94-7/16"	70.0	70.0	80.0	90.0

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

Sealed: 7/26/2023

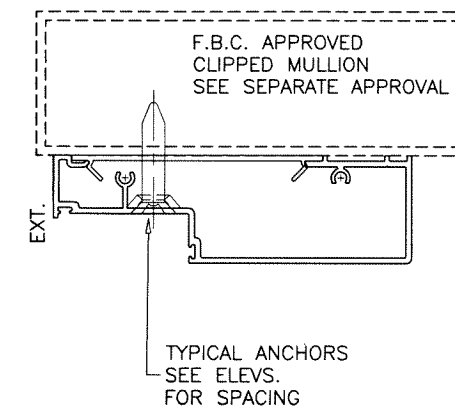
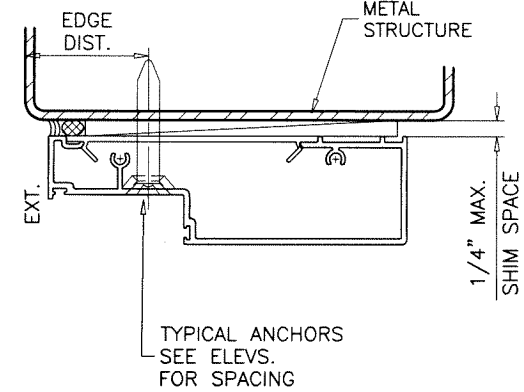
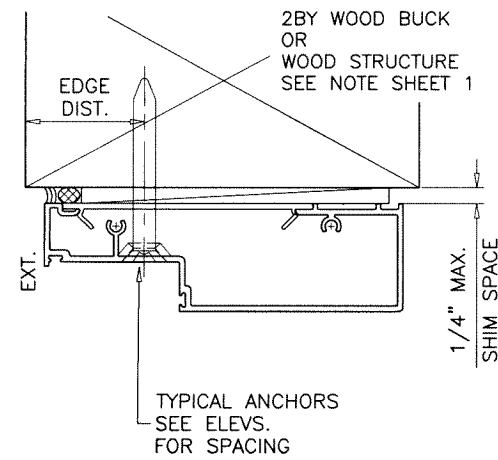
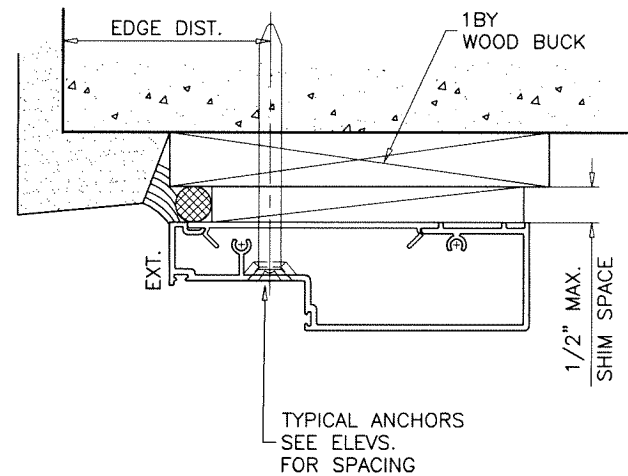
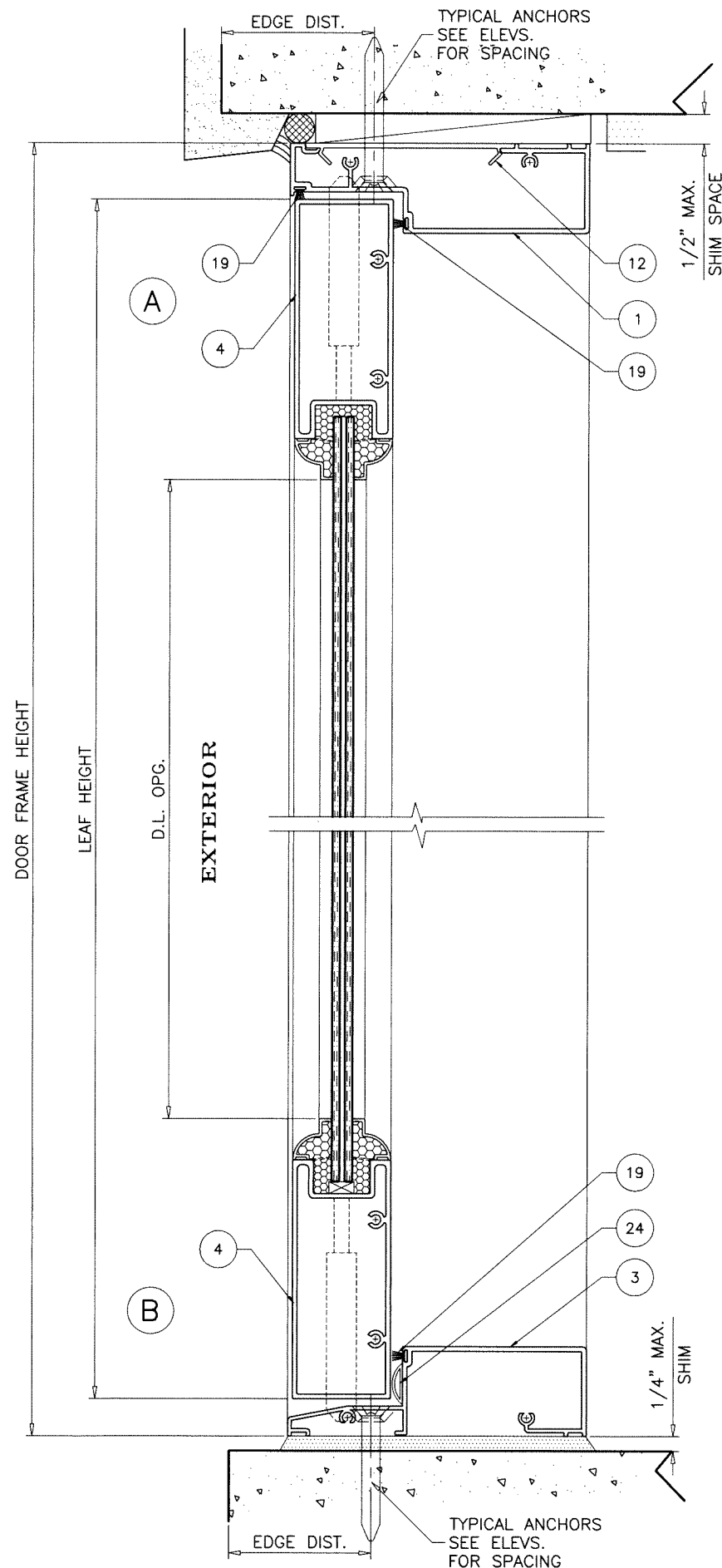


FL #32381

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 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173 (C.A.N. 3538)
 TEL. (305) 264-8100 FAX. (305) 262-6978
 COMP-ANL\20-45F-SWM

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revisions:	no	date	by	description
date:	05-12-20	scale:	1/2"=1'-0"	
dr. by:	TARIQ	chk. by:		
drawing no.	20-45F			
sheet	2 of 6			



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' (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
 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. (Fy = 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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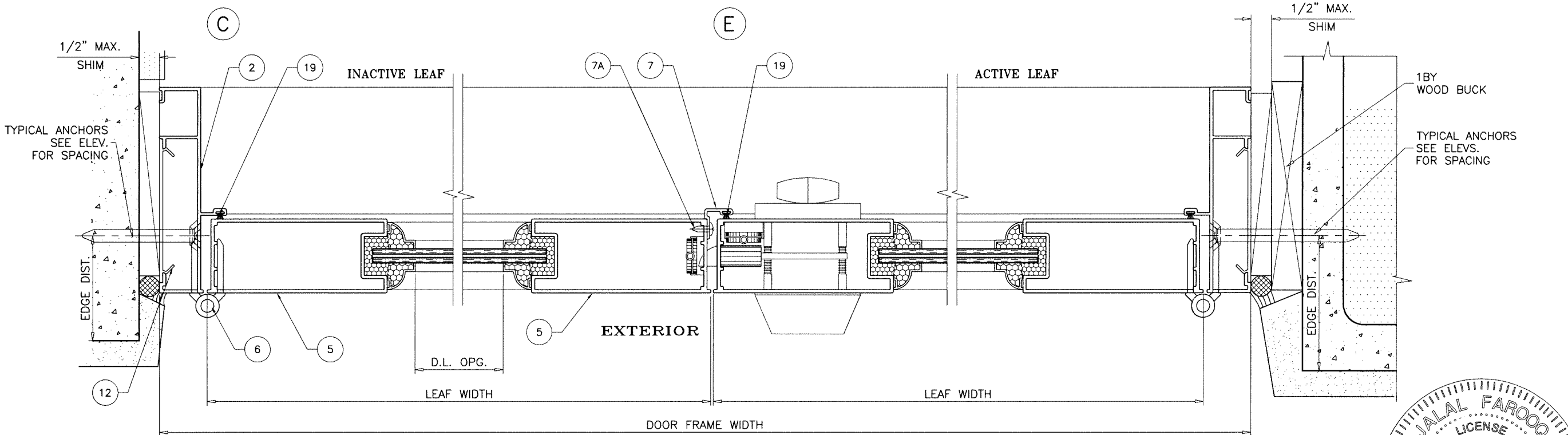
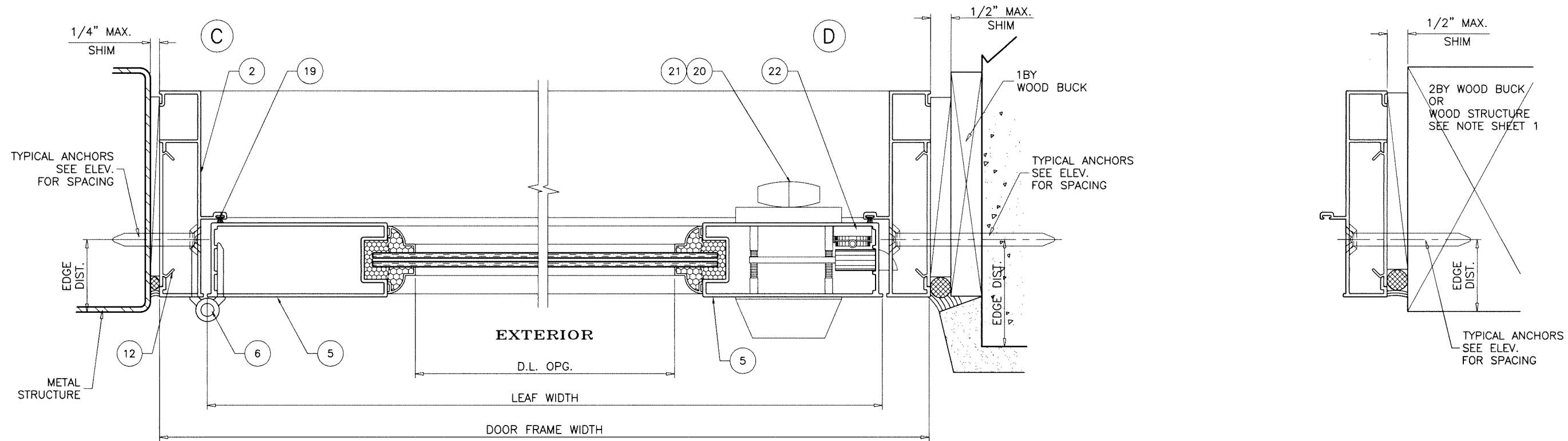


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revisions:	no	date	description

date: 05-12-20
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 chk. by:
 drawing no. 20-45F
 sheet 3 of 6



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FL #32381

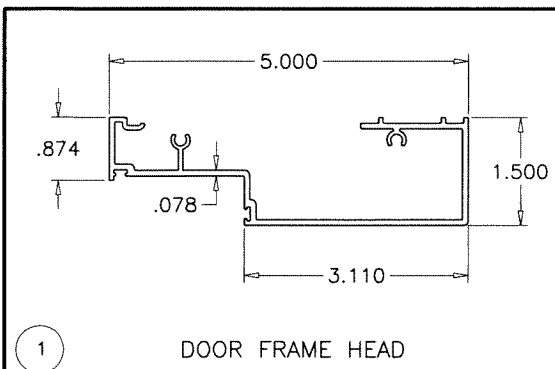
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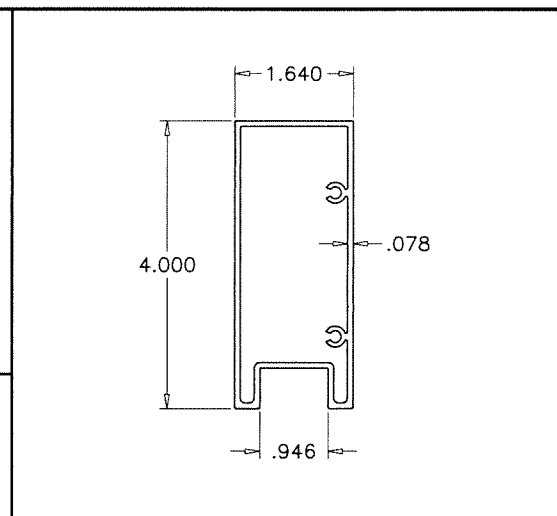
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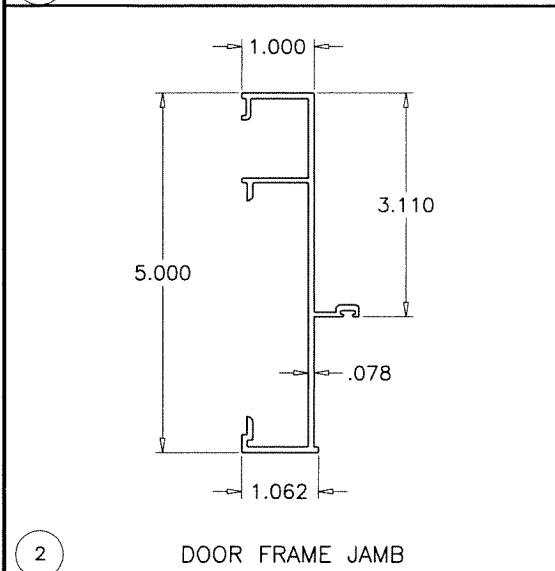
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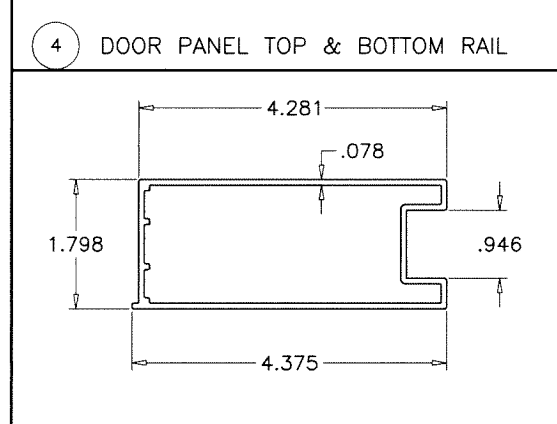
1 DOOR FRAME HEAD



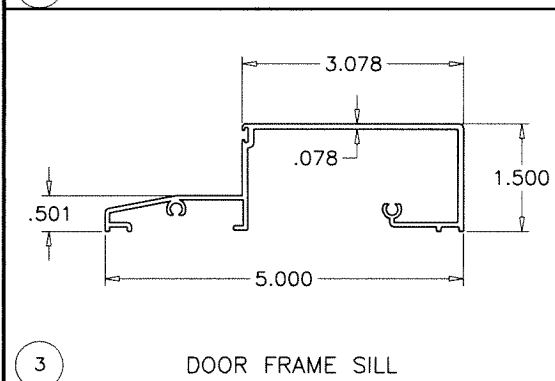
4 DOOR PANEL TOP & BOTTOM RAIL



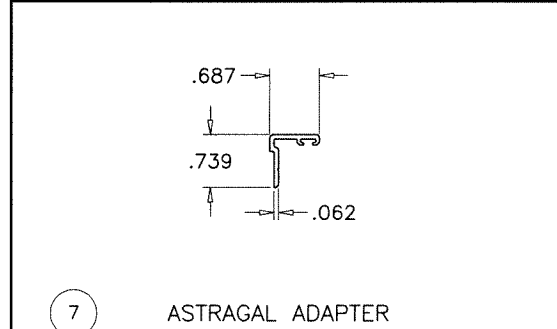
2 DOOR FRAME JAMB



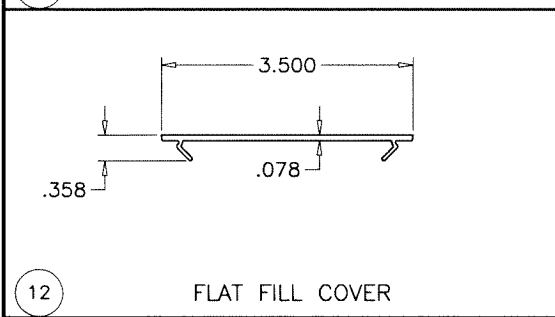
5 DOOR PANEL STILE



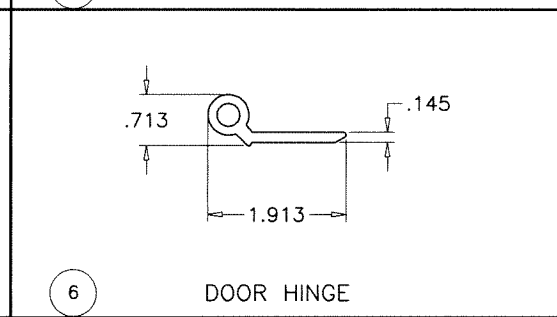
3 DOOR FRAME SILL



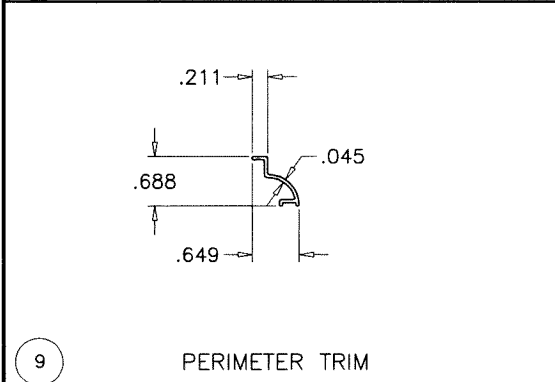
7 ASTRAGAL ADAPTER



12 FLAT FILL COVER



6 DOOR HINGE



9 PERIMETER TRIM

ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	GAS-46913	1	DOOR FRAME HEAD	6063-T6	-
2	GAS-46912	2	DOOR FRAME JAMB	6063-T6	-
3	GAS-46915	1	DOOR FRAME SILL	6063-T6	-
4	GAH-46914	AS REQD.	DOOR PANEL TOP & BOTTOM RAIL	6063-T5	-
5	GAH-46910	AS REQD.	DOOR PANEL STILE	6063-T6	-
6	GAH-46917	3/ LEAF	DOOR HINGE	6063-T5	-
7	GAS-46916	AS REQD.	ASTRAGAL ADAPTER	6063-T5	-
7A	#8 X 5/8"	AS REQD.	ASTRAGAL FASTENERS, AT 2" FROM ENDS & 14" O.C. MAX.	STEEL	PH SMS
9	GAS-46911	AS REQD.	PERIMETER TRIM	6063-T5	-
12	GAS-40926	AS REQD.	FLAT FILL COVER	6063-T6	-
13	#10 X 1"	AS REQD.	DOOR FRAME ASSEMBLY FASTENERS	STEEL	PH SMS
14	#10 X 1-1/2"	AS REQD.	PANEL ASSEMBLY FASTENERS	STEEL	PH SMS
19	W33321NK0020	AS REQD.	ULTRA FIN WEATHERSEAL	POLYPROYLENE	ULTRAFAB
20	2090L3ZAB3BP	1	PASSAGE LEVER	ZINC	-
21	2900DZ1ABBP	1	DEAD BOLT	ZINC	-
22	SERIES 2508	2/ LEAF	FLUSH BOLTS	ZINC	-
24	X109HT100	AS REQD.	D SECTION RUBBER SEAL	EPDM	TRIMLOCK
25	-	2/ LITE	SETTING BLOCKS, AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A

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) #8-32-28 X 2-1/4" 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. AND (2) #8 X 5/8" FH SMS

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

HINGES:

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

SEALANTS:

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

Sealed: 7/26/2023



FL #32381

af c
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 sheet 5 of 6

