

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.

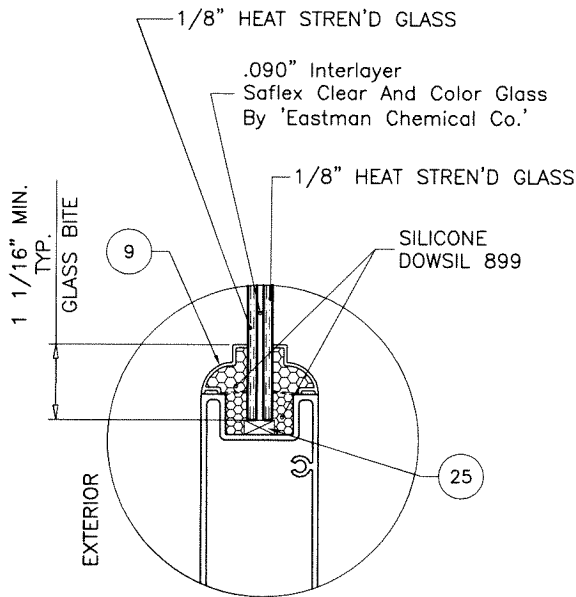
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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.

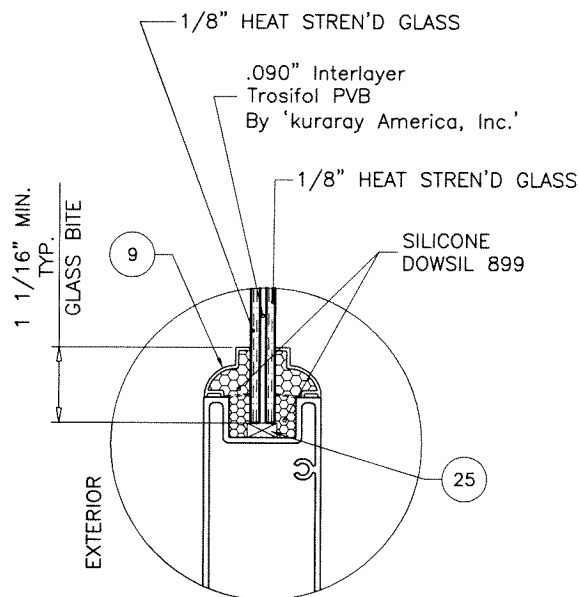
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION
FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY
OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR
WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY,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



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



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

GLAZING OPTIONS

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.



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL\20-45F-SWM

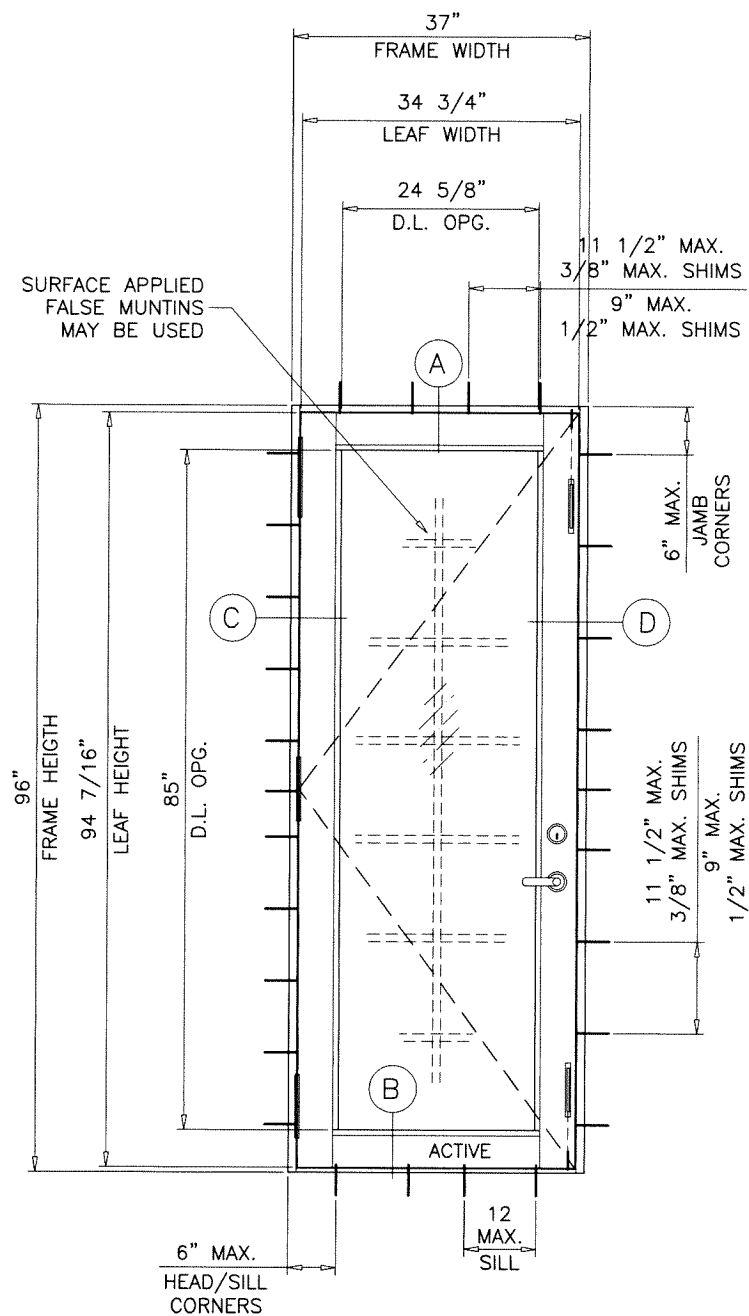
Sunshine Windows Manufacturing, Inc.
1785 West 33rd Place
Hialeah, FL. 33012
Tel. (305) 364-9952 Fax. (305) 828-5118

revisions:	
no	date
A	08.28.20
B	07.21.23

description	by
UPDATED TO 2020 FBC	
UPDATED TO 2023 FBC	

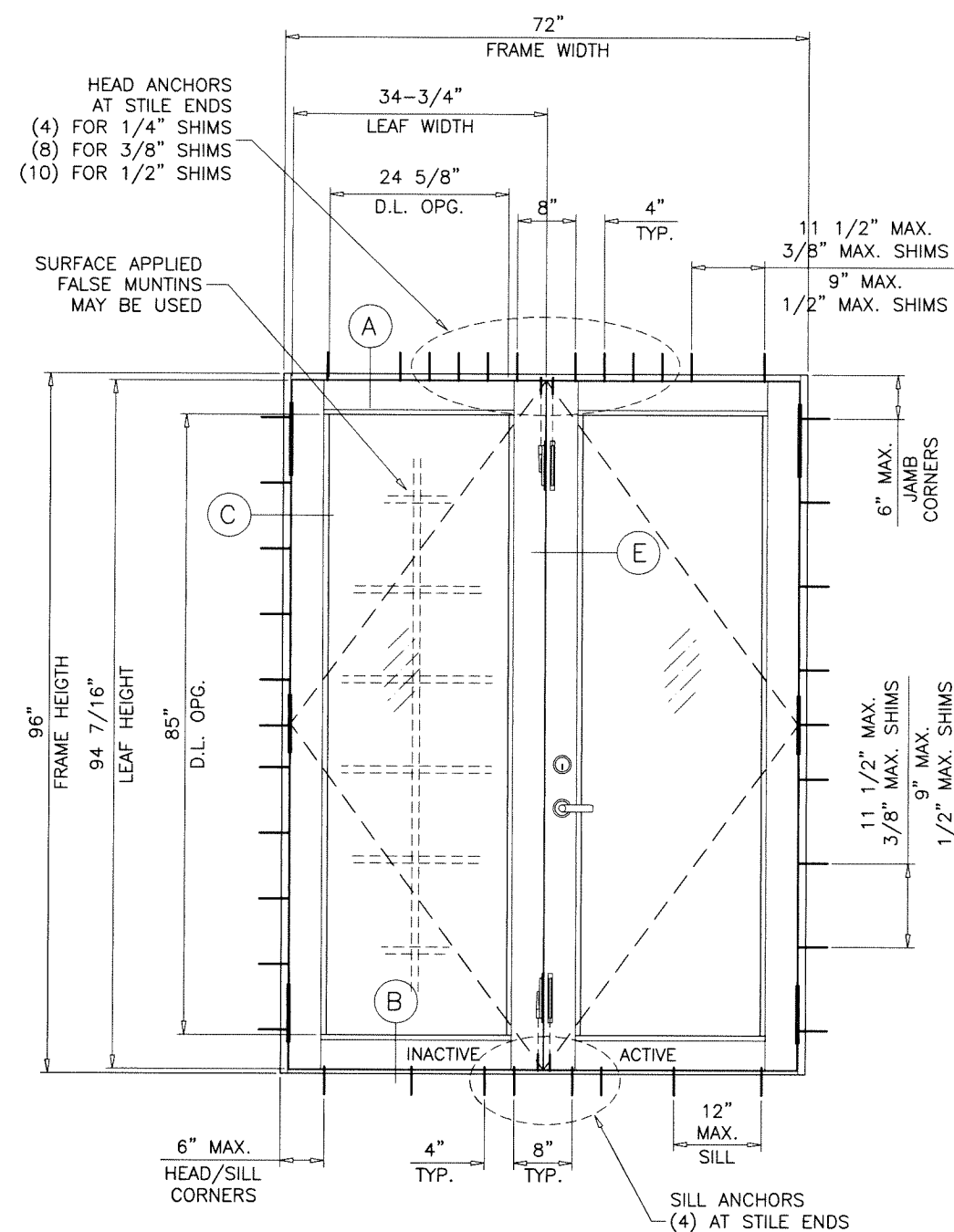
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05-12-20	-	TARIQ	

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20-45F	1 of 6



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

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



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

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"



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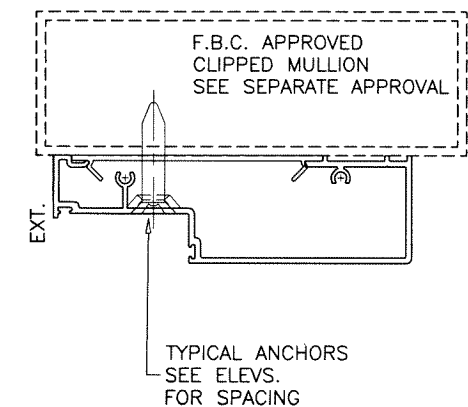
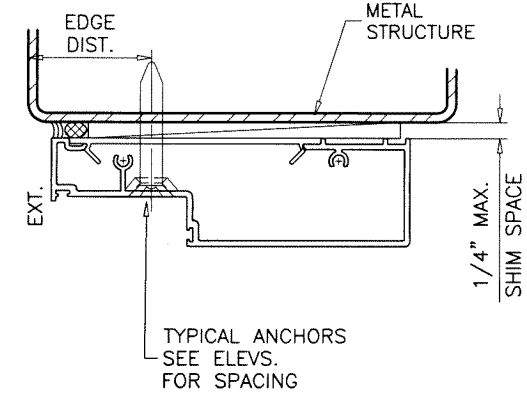
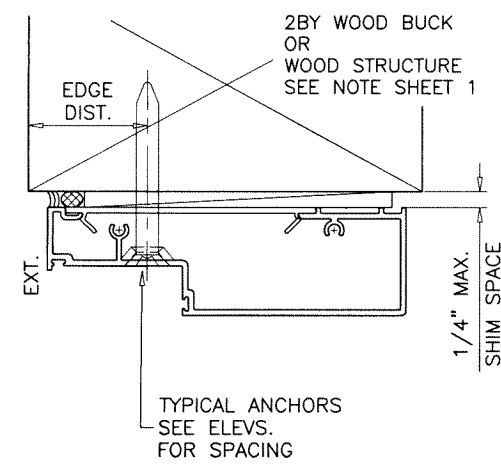
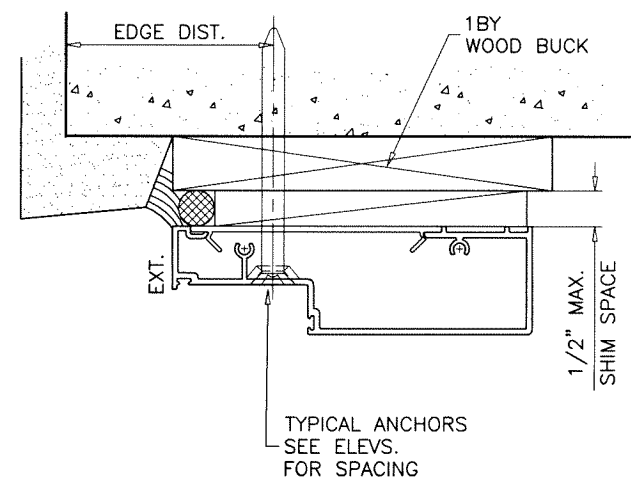
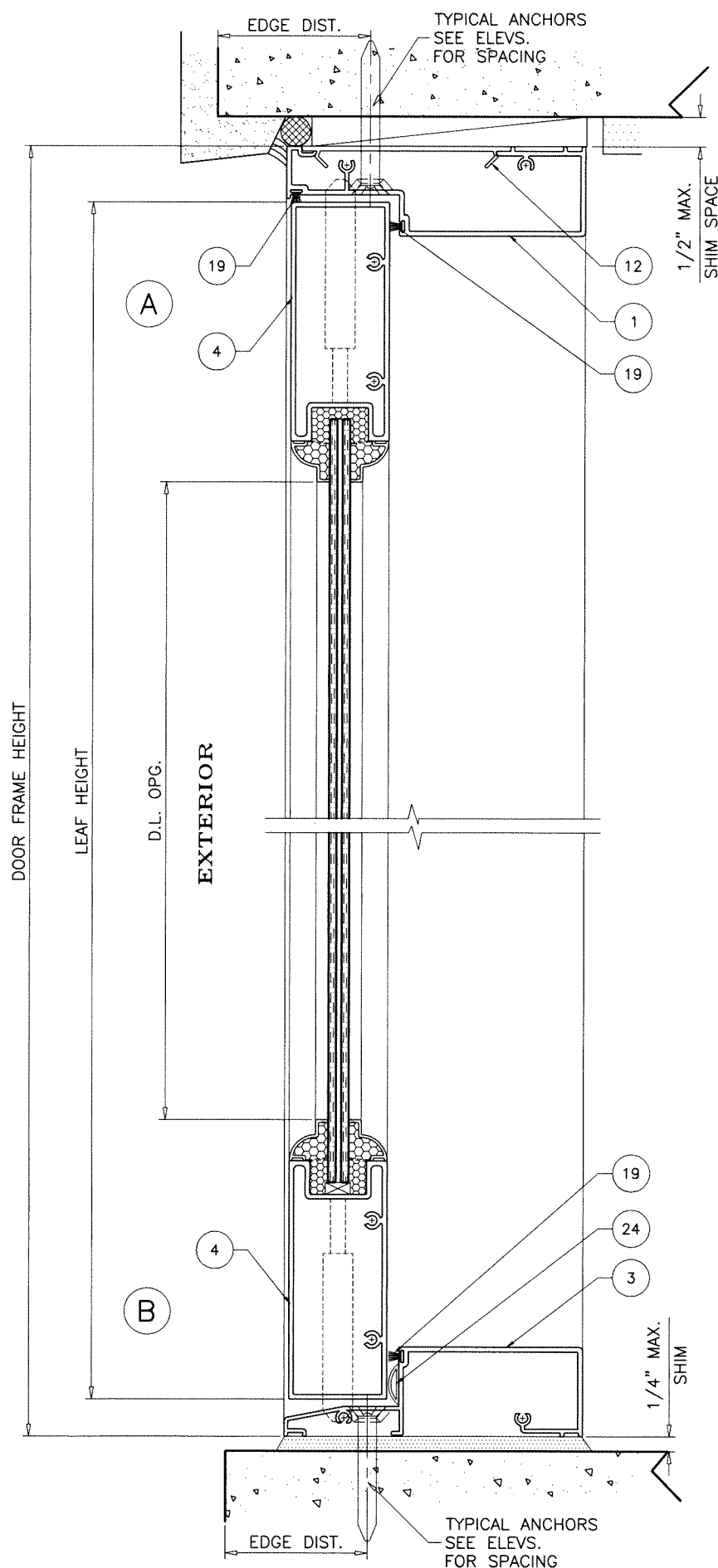
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(C.A.N. 3538)

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

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date:	05-12-20				
scale:	$1/2'' = 1' - 0''$				
dr. by:	TARIQ				
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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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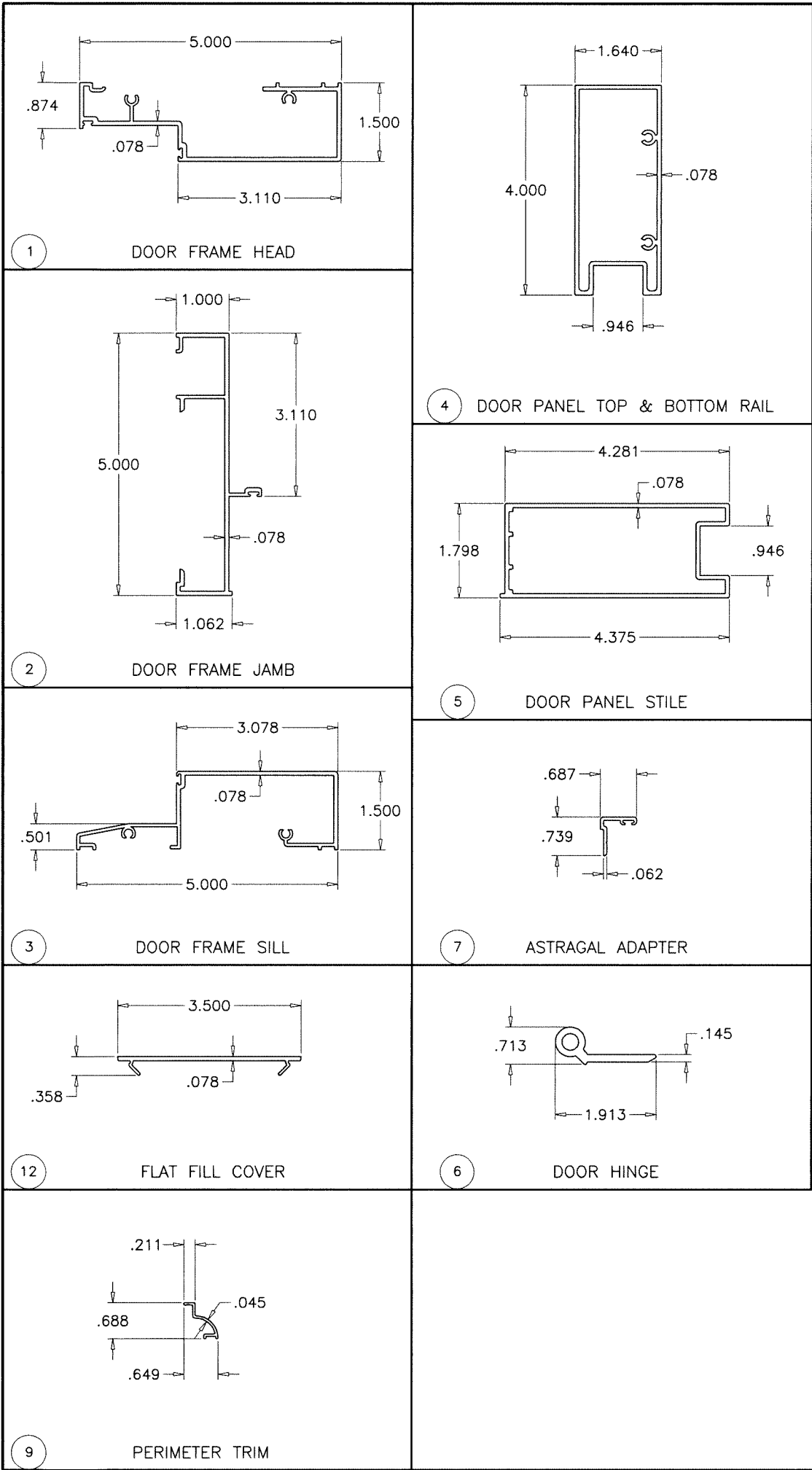
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ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	GAS-46913	1	DOOR FRAME HEAD	6063-T6	-
2	GAS-46912	2	DOOR FRAME JAMB	6063-T6	-
3	GAS-46915	1	DOOR FRAME SILL	6063-T6	-
4	GAH-46914	AS REQD.	DOOR PANEL TOP & BOTTOM RAIL	6063-T5	-
5	GAH-46910	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.



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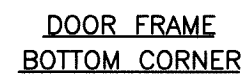
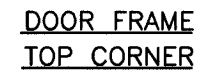
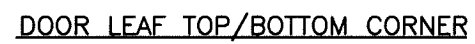
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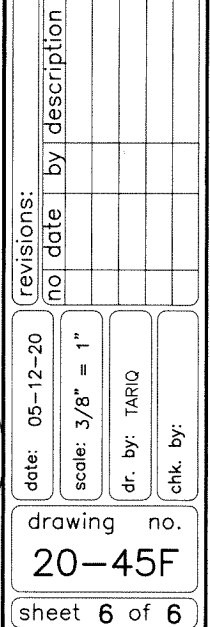
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