

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

MG3500
RESIDENTIAL OUTSWING ENTRY DOOR

DESIGN LOAD CAPACITY OF SINGLE (X) AND DOUBLE (XX) LEAF DOORS SEE SHEET 2.

DOORS CAN ALSO BE USED WITH 'MR. GLASS' SERIES MG3000 SIDELITES, SEE SEPARATE APPROVAL FOR SDIELITE AND SIDELITE MULLION CAPACITY.

LOWER VALUES FROM DOOR CAPACITY, SIDELITE CAPACITY OR SIDELITE MULLION 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 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.

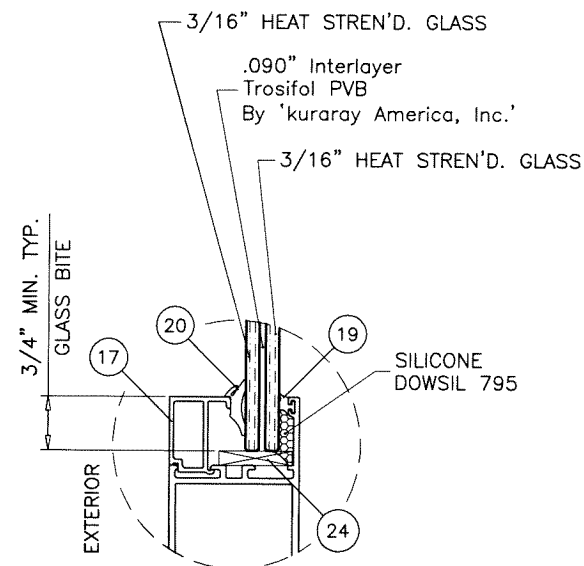
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BLDG. CODE & ADOPTED STANDARDS.

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.

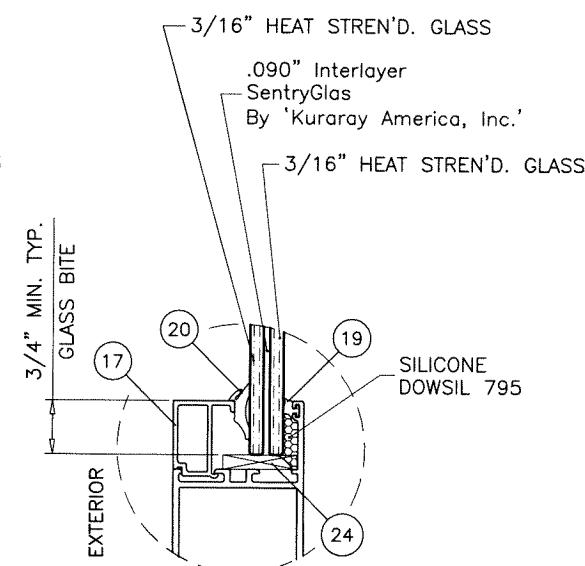
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY, AND TO BE REVIEWED BY BUILDING OFFICIAL.

DESIGN LOADS SHOWN ARE BASED ON 'ALLOWABLE STRESS DESIGN (ASD)'.

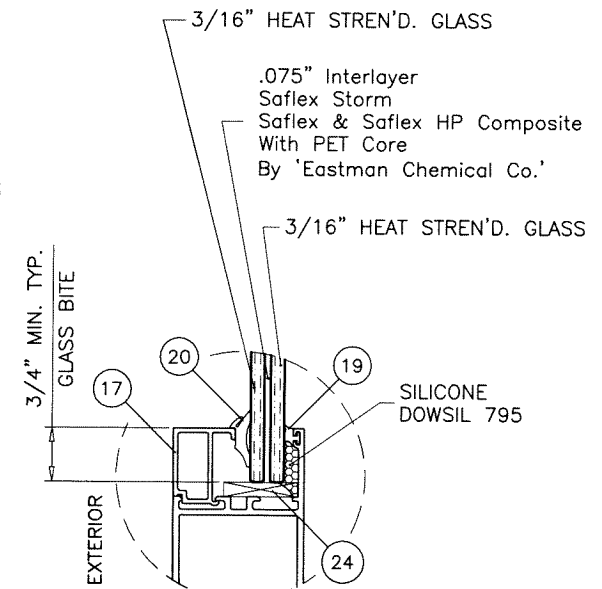
MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.



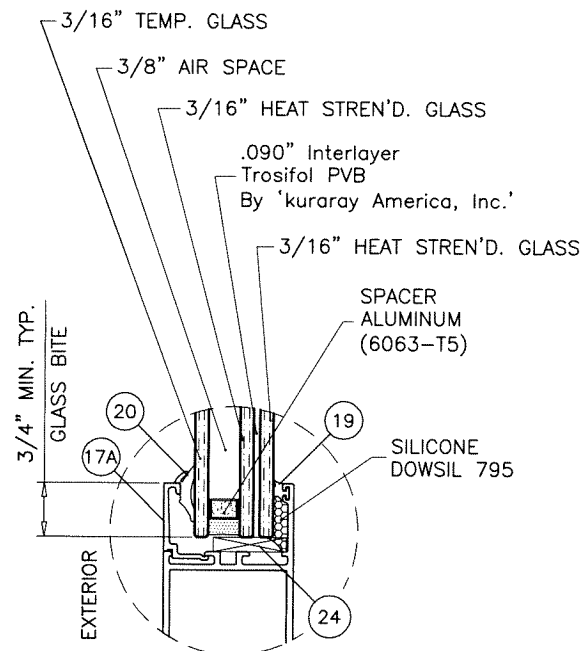
GLASS TYPE 'A'



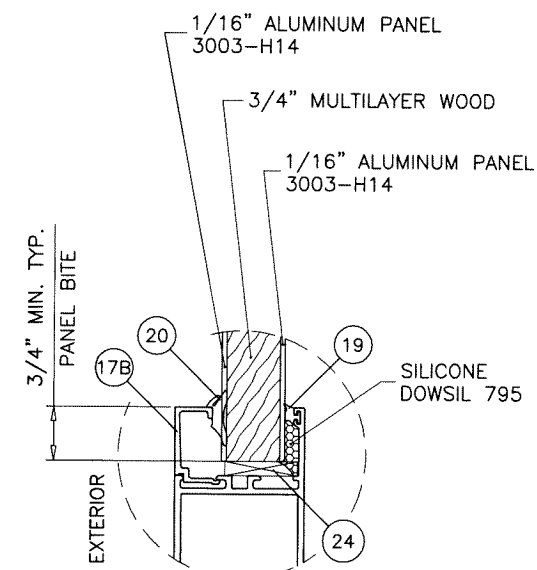
GLASS TYPE 'B'



GLASS TYPE 'C'



GLASS TYPE 'Ai'



7/8" OVERALL GLUED CLADDED PANEL

EXTERIOR AND INTERIOR ALUMINUM CLADDING GLUED TO CENTER CORE WITH MRG-A-30-013

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.

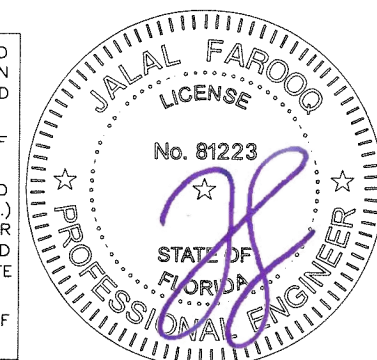
B- THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

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.

Sealed: 6/10/2025

FL #26942



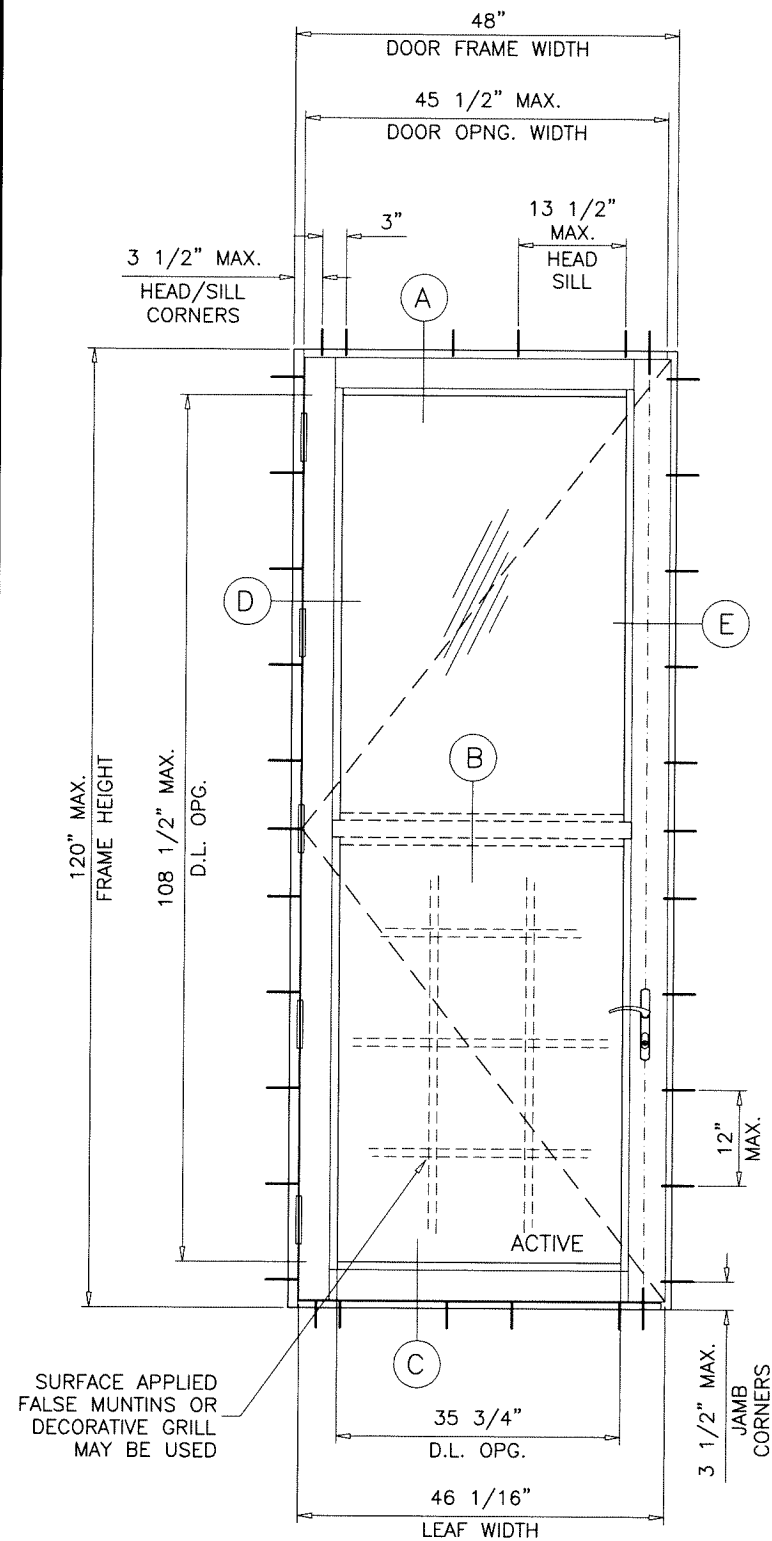
MG3500 RESIDENTIAL OUTSWING DOOR (L.M.I.)

MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

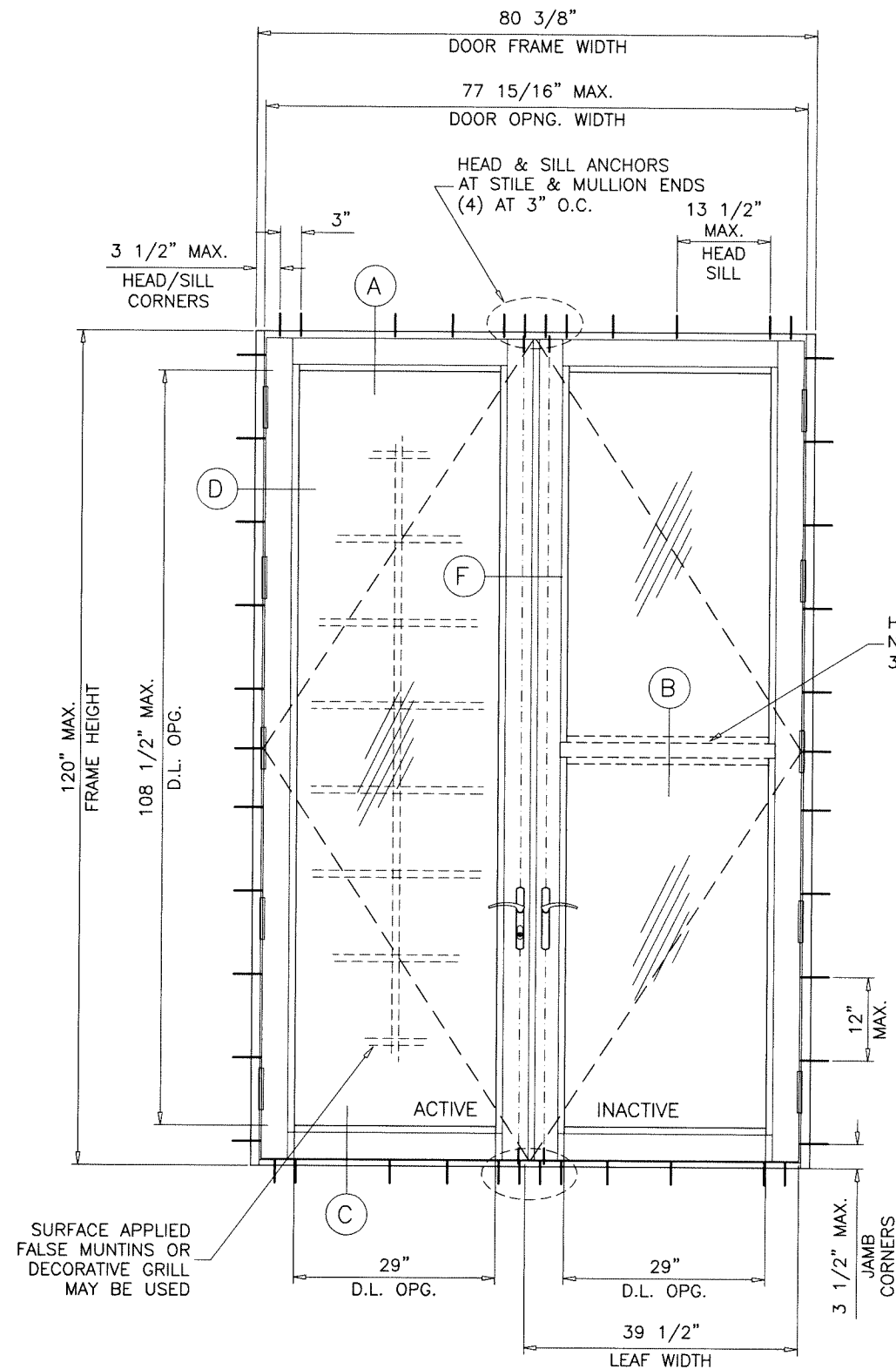
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A	07.18.23	1"	05.30.25	TARIQ	UPDATED TO 2023 FBC
	05.30.25				GLASS INSERT OPTION ADDED
date:		06-26-23			
scale:		3/8" = 1"			
dr. by:		TARIQ			
chk. by:					
drawing no.		23-29F			
sheet		1 of 7			

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)

COMP-ANL\23-29F-MG



TYPICAL ELEVATION
(X)



TYPICAL ELEVATION
(XX)

HORIZONTAL LENGTH
NOT TO EXCEED
36-1/8" MAX.

NOTE:
EGRESS REQUIREMENTS TO BE REVIEWED
BY BUILDING OFFICIAL.

GLASS D.L.O. FORMULAE:
D.L.O. WIDTH = FRAME WIDTH - 12.438" (X DOORS)
= (FRAME WIDTH - 22.0")/2 (XX DOORS)
D.L.O. HEIGHT = FRAME HEIGHT - 11.50"

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: 6/10/2025

DOORS LOAD CAPACITY - PSF SINGLE (X) DOORS									
SINGLE DOOR (X) DIMS.		GLASS						GLUED CLADDED PANEL	
		TYPE 'A' & 'Ai'		TYPE 'B'		TYPE 'C'			
FRAME WIDTH	FRAME HEIGHT	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)	EXT.(+)	INT.(−)
40−1/2"	98"	80.0	80.0	65.0	70.0	60.0	60.0	80.0	80.0
41−3/8"	120"	−	−	65.0	70.0	60.0	60.0	80.0	80.0
48"	120"	−	−	65.0	70.0	60.0	60.0	80.0	80.0

DOORS LOAD CAPACITY – PSF DOUBLE (XX) DOORS									
DOUBLE DOOR (XX) DIMS.		GLASS						GLUED CLADDED PANEL	
		TYPE 'A' & 'Ai'		TYPE 'B'		TYPE 'C'			
FRAME WIDTH	FRAME HEIGHT	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)	EXT.(+)	INT.(–)
78–1/2"	98"	80.0	80.0	65.0	70.0	60.0	60.0	80.0	80.0
80–3/8"	120"	–	–	–	–	60.0	60.0	60.0	60.0

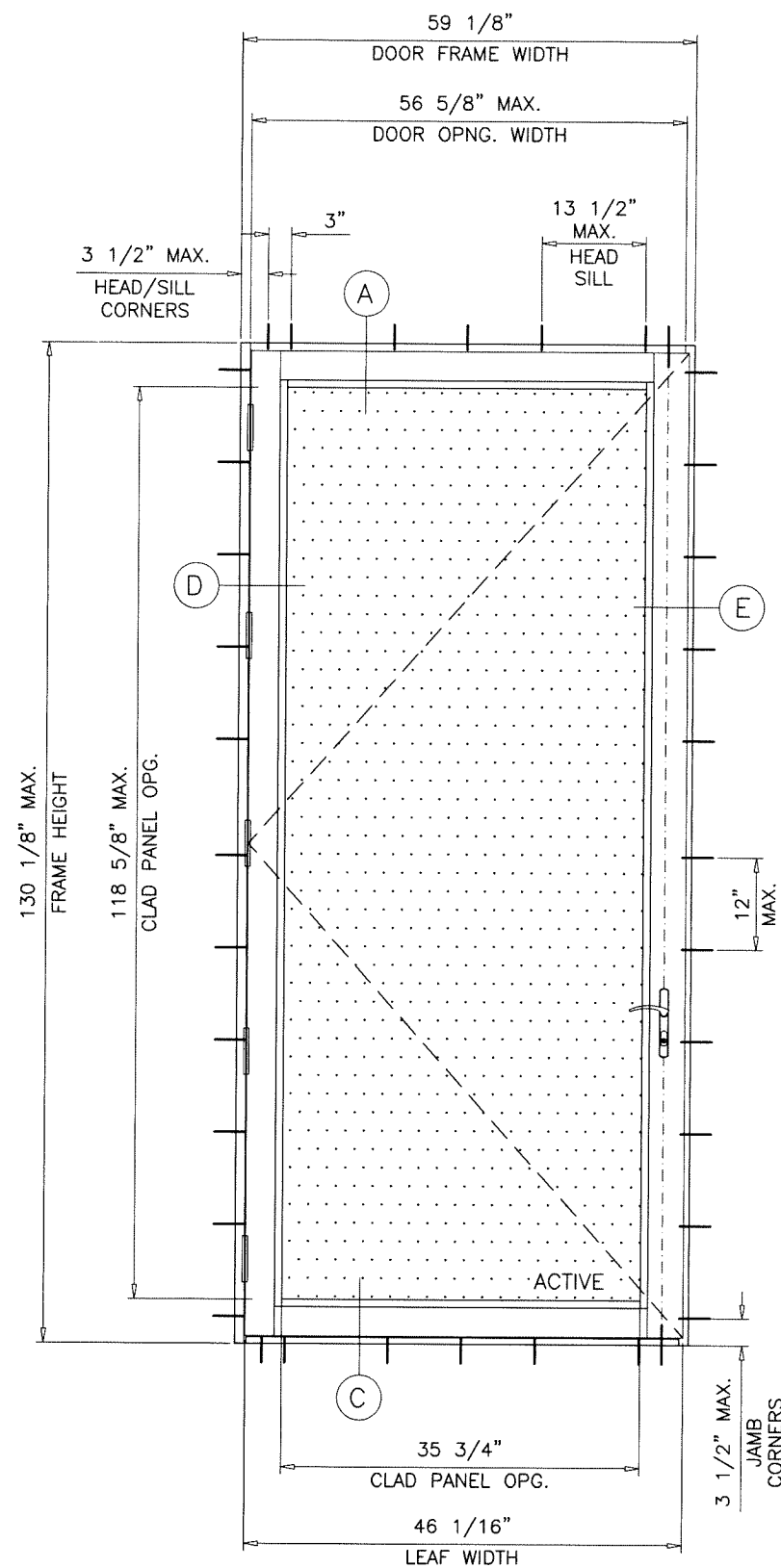


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af c
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revisions:		no		date		by		description	
06-26-23	date:	1/2"-1'-0"	scale:	TARIQ	dr. by:		chk. by:		
drawing no.		23-29F		sheet 2 of 7					



TYPICAL ELEVATION

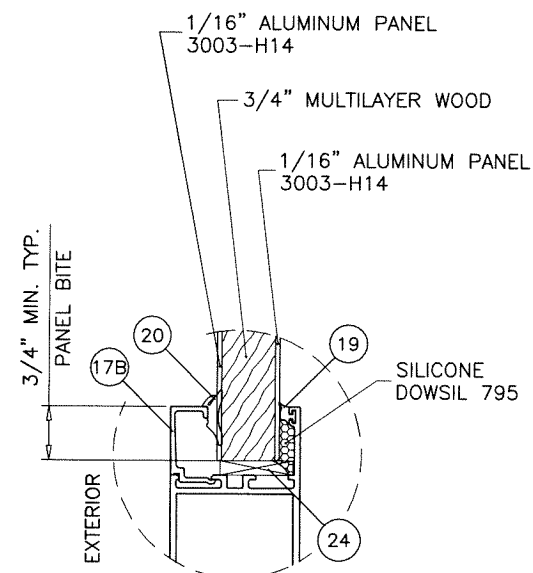
(X)

CLADDED PANEL DOOR

MAXIMUM DESIGN LOAD RATING = + 80.0 PSF

- 80.0 PSF

(FOR SIZE SHOWN ON THIS SHEET ONLY OR SMALLER)



7/8" OVERALL GLUED CLADDED PANEL

EXTERIOR AND INTERIOR ALUMINUM CLADDING GLUED TO
CENTER CORE WITH MRG-A-30-013

Sealed: 6/10/2025



FL #26942

af c

AL-FAROOQ CORPORATION

ALCOQ CONFIGURATION ENGINEERS & PRODUCT DEVELOPMENT

ENGINEERS & PRODUCT DEVELO
9360 SUNSET DRIVE, SUITE 220

3360 SUNSET DRIVE, SU
MIAMI, FLORIDA 33173

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COMP-ANL\23-29F-MG

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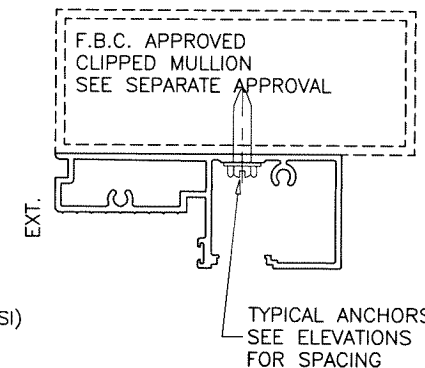
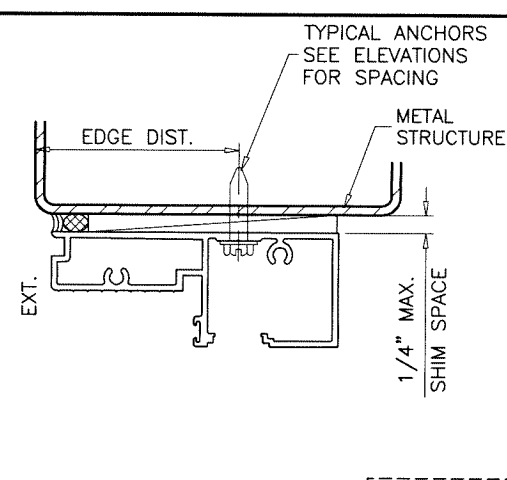
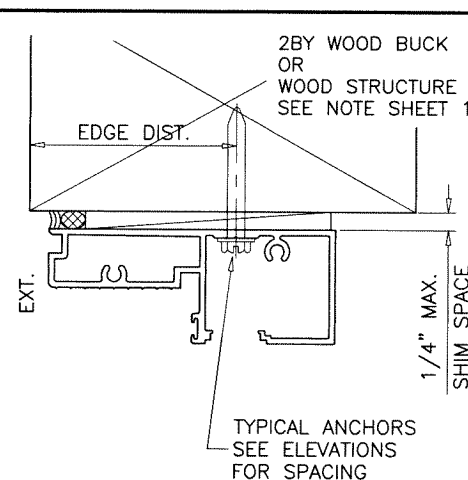
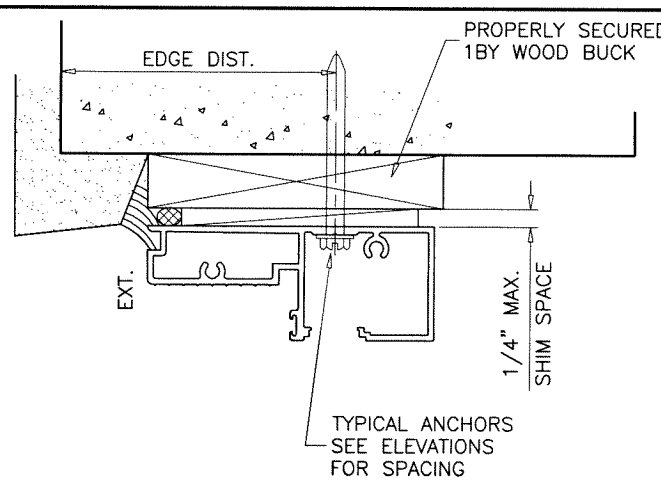
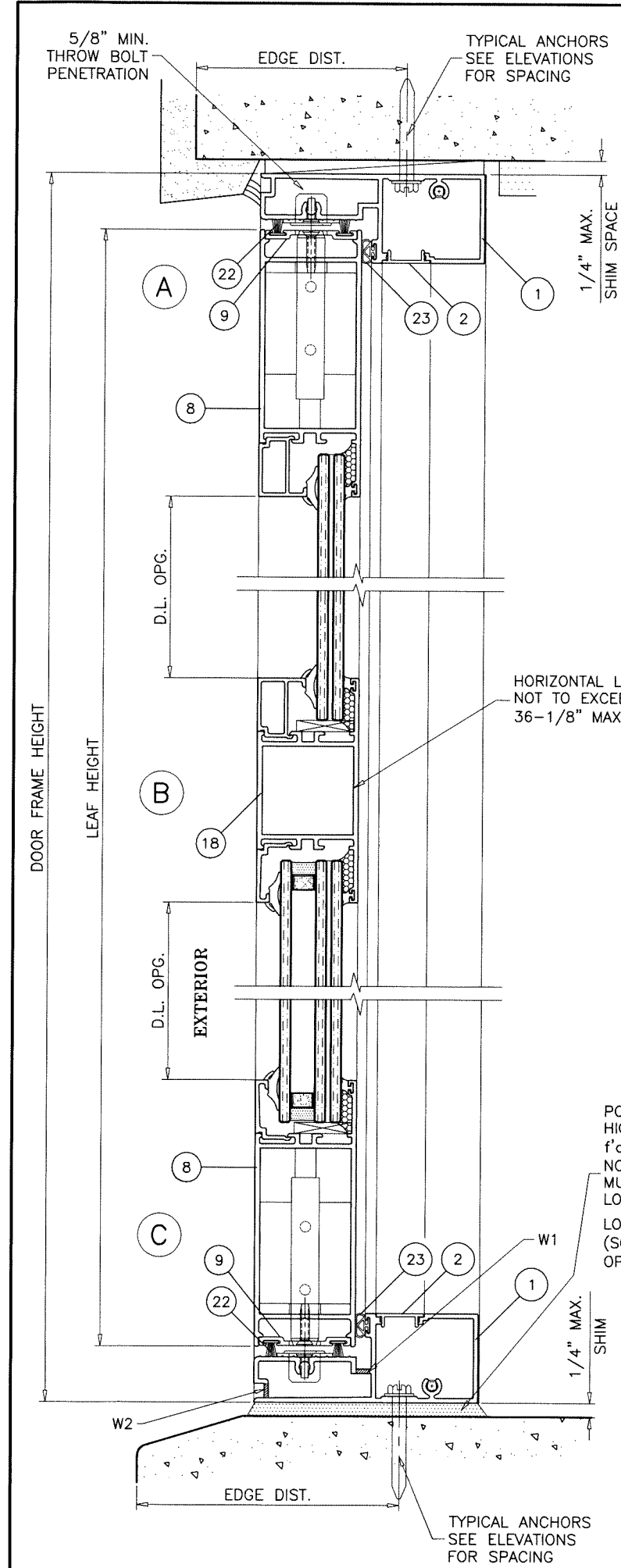
8051 N.W. 79th Place

DOST N.W. 79011 FL
Medley, FL: 33166

Tel. (305) 764-3963

date: 06-26-23		revisions:	
scale: -	no	date	by description
dr. by: TARIQ			
chk. by:			

COMP-ANL\23-29F-MG



1BY OR 2BY WOOD BUCKS AND METAL STRUCTURE NOT BY 'MR-GLASS' 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' ($F_u=164$ KSI, $F_y=148$ KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURES
 1-1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMBS)
 THRU 1BY BUCKS INTO CONC. OR BLOCKS
 1-3/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
 1-1/4" MIN. EMBED INTO BLOCKS (JAMBS)

DIRECTLY INTO CONCRETE OR BLOCKS
 2" 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. TO EXTEND BEYOND METAL THICKNESS
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 STEEL: 1/8" THK. MIN. ($F_y = 36$ KSI MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)

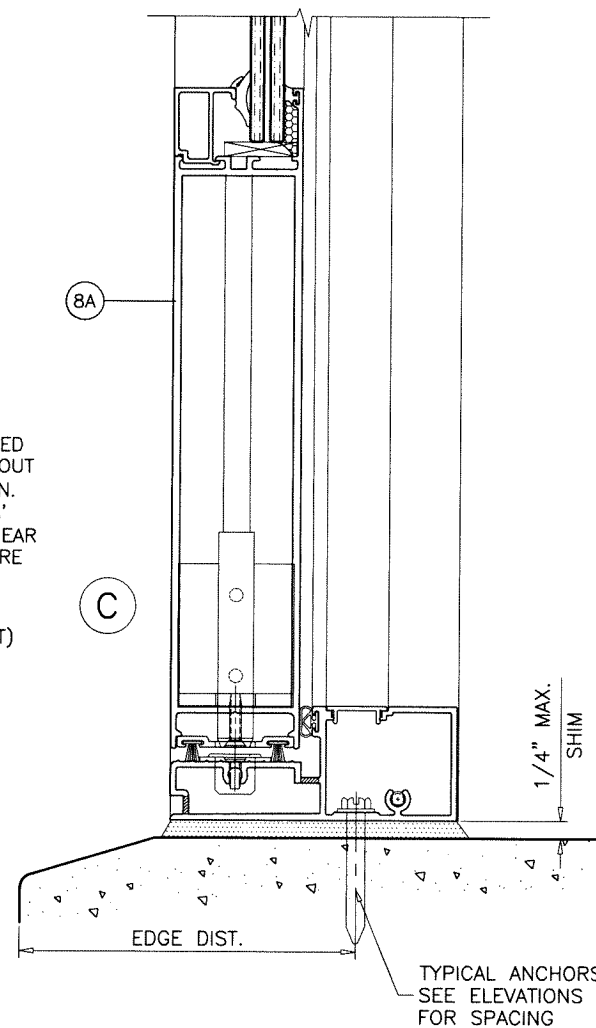
CRITICAL EDGE DISTANCE

INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
 INTO WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

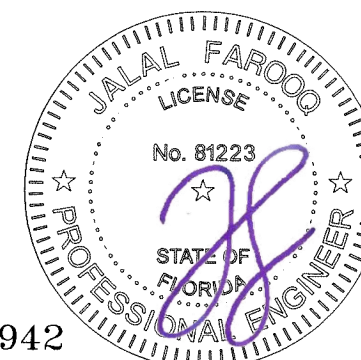
WOOD AT HEAD, SILL OR JAMBS SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS $f'_c = 3000$ PSI MIN.
 C-90 HOLLOW/FILLED BLOCK AT JAMBS $f'_m = 2000$ PSI MIN.

WEEPHOLES:

W1 = 1/4" X 2" LONG WEEP SLOTS AT 8" AND 31" FROM EACH END
 W2 = 1/4" X 2" LONG WEEP SLOTS AT 5" AND 31" FROM EACH END



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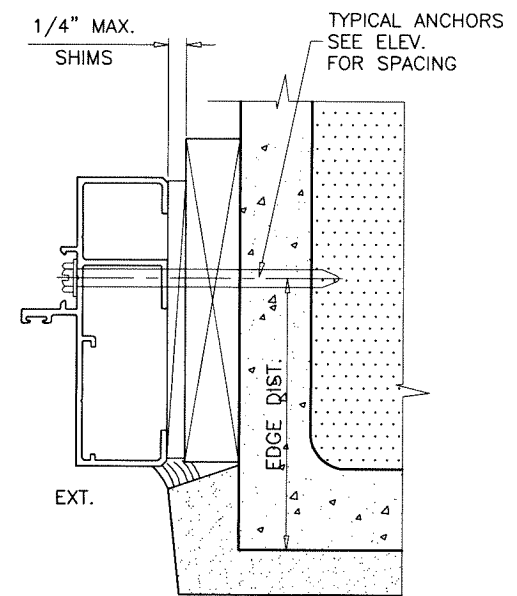
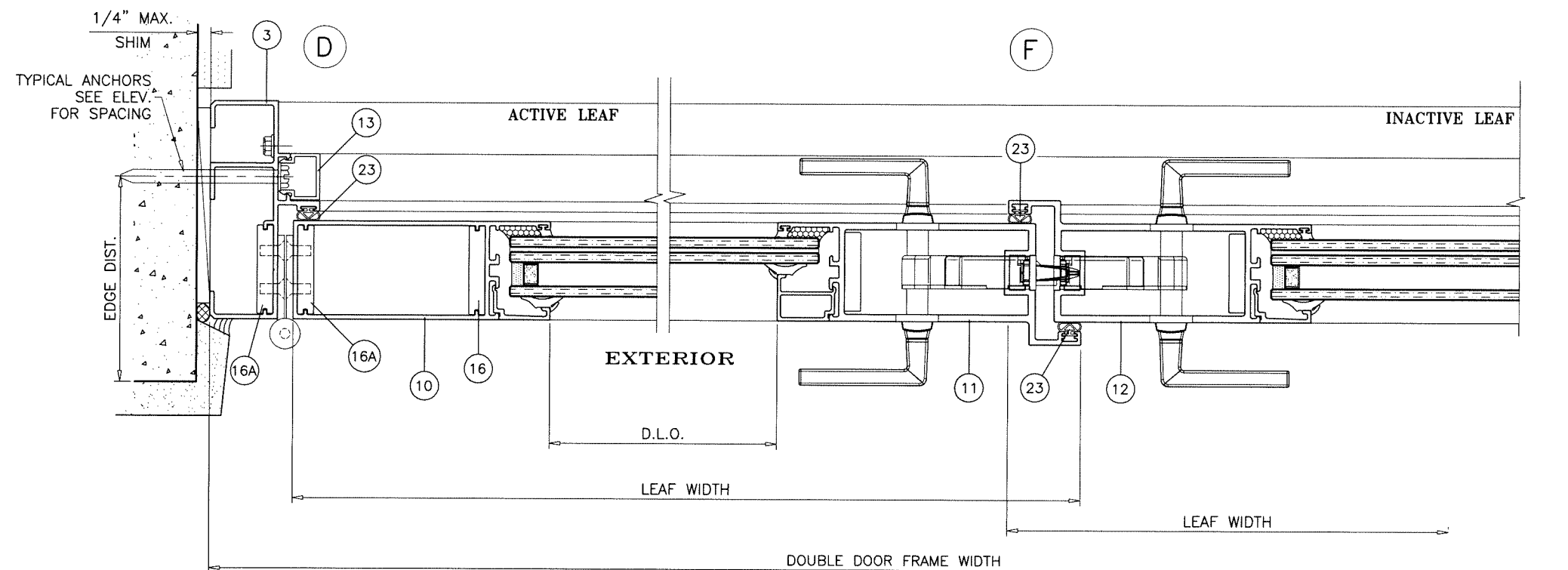
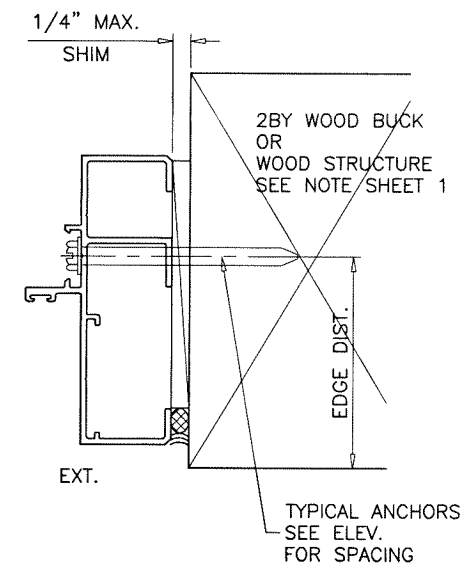


FL #26942

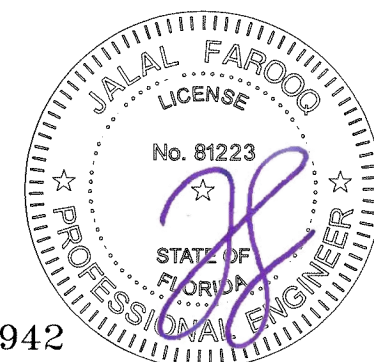
AL-FAROOQ CORPORATION
 ENGINEERS & PRODUCT DEVELOPMENT
 9360 SUNSET DRIVE, SUITE 220
 MIAMI, FLORIDA 33173
 TEL. (305) 264-8100 FAX. (305) 262-6978
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06-26-23					
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drawing no.		23-29F		sheet 4 of 7	



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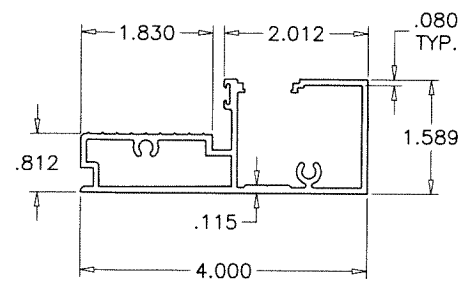
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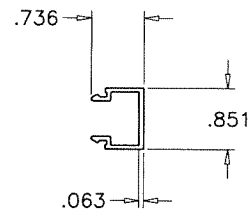
MG3500 RESIDENTIAL OUTSWING DOOR (L.M.I.)

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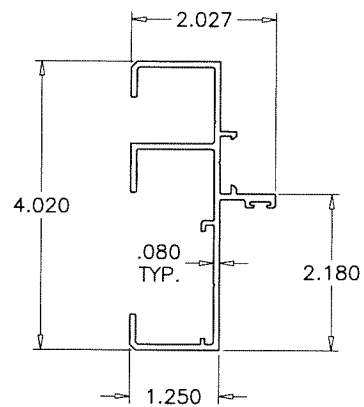
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drawing no. 23-29F			
sheet 5 of 7			



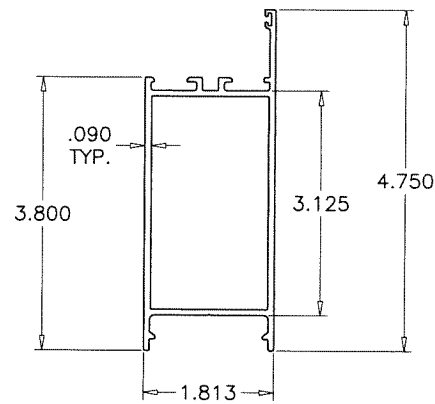
1 DOOR FRAME HEAD/SILL



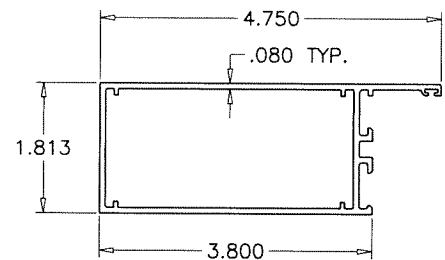
13 SNAP COVER



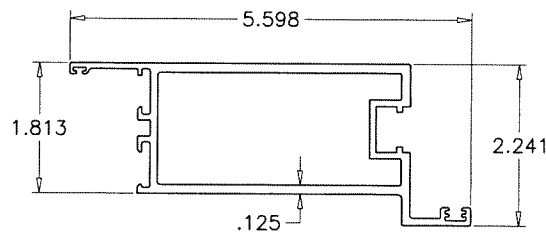
3 DOOR FRAME JAMB



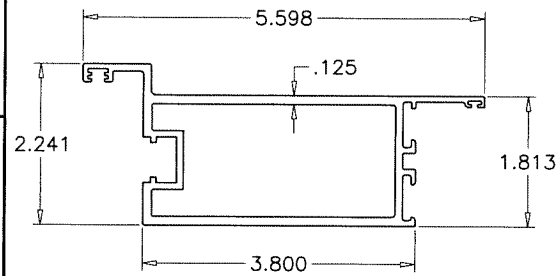
8 LEAF TOP/BOTTOM RAIL



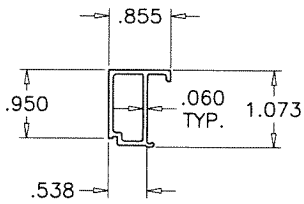
10 HINGE STILE



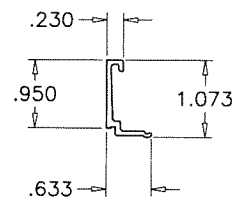
11 LOCK STILE



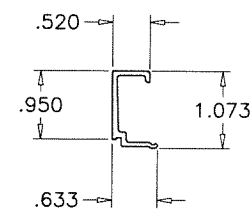
12 ASTRAGAL STILE



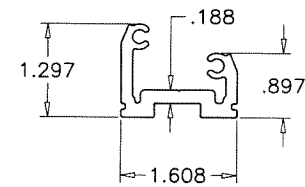
17 GLAZING BEAD
LAM. GLASS



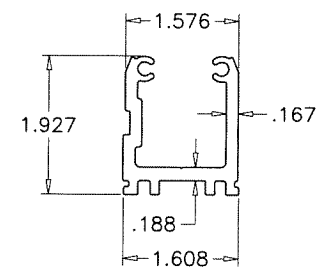
17A GLAZING BEAD
INSUL. LAM. GLASS



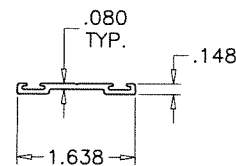
17B GLAZING BEAD
CLADDLED PANEL



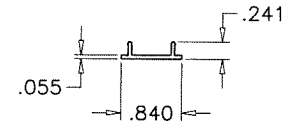
15 SHEAR BLOCK



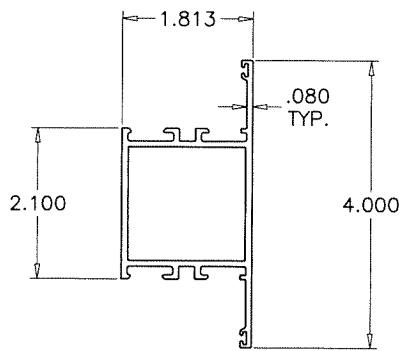
15A SHEAR BLOCK



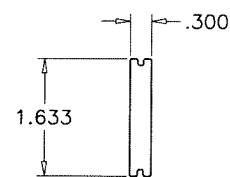
9 LEAF W'STRIP ADAPTER



2 FRAME COVER

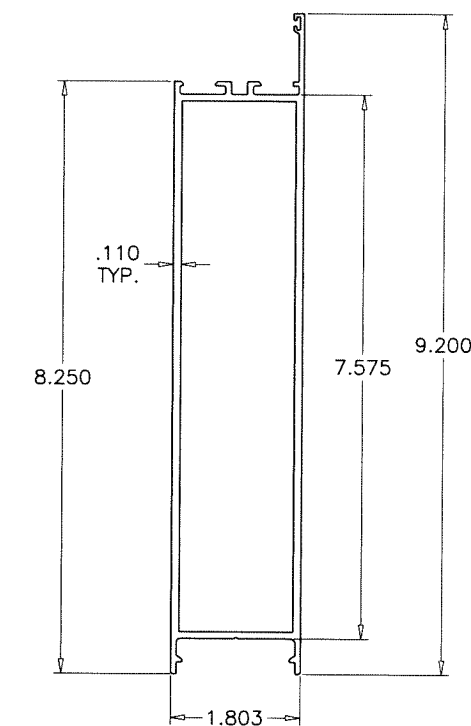


18 INTERMEDIATE HORIZONTAL

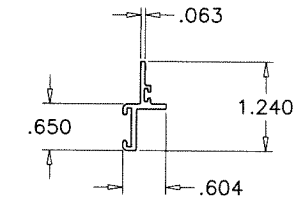


16 SHEAR BLOCK NUT

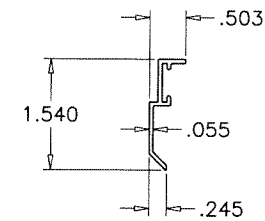
16A HINGE BACK-UP PLATE



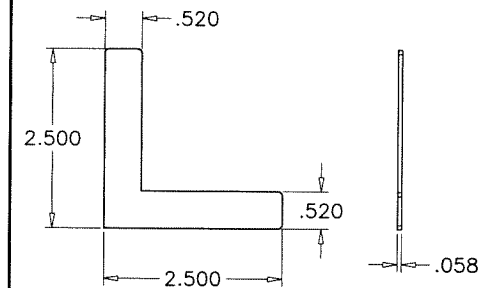
8A HIGH BOTTOM RAIL



29 WINDOW FRAME



30 WINDOW FRAME COVER



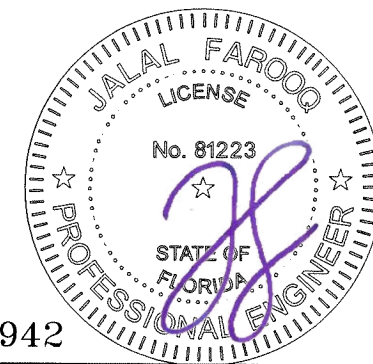
31 WINDOW FRAME CORNER KEY

af c
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