Product Approval
USER: Public User

FL #	FL47222-R1
Application Type	Revision
Code Version	2023
Application Status	Approved
Comments	
Archived	☐
Product Manufacturer	Mr-Glass Doors & Windows Manufacturing, LLC
Address/Phone/Email	8051 NW 79th Place Medley, FL 33166 (305) 470-8284 ulises@mrglasswindows.com
Authorized Signature	Ulises Senaris ulises@mrglasswindows.com
Technical Representative	Augusto Arias
Address/Phone/Email	8120 NW 84th St Medley, FL 33166 (305) 470-8284 aarias@mrglasswindows.com
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 ☐ 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	04/30/2035
Validated By	Abel Carrasco, PE ☑ Validation Checklist - Hardcopy Received
Certificate of Independence	FL47222_R1_COI_SS - Certificate of Independence 2023.pdf

Referenced Standard and Year (of Standard)

Standard	Year
ASTM E1886	2019
ASTM E1996	2020
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	02/12/2025
Date Validated	02/14/2025
Date Pending FBC Approval	02/17/2025
Date Approved	04/15/2025

Summary of Products

FL #	**Model, Number or Name**	**Description**
47222.1	Series MG-5500 Aluminum Outswing Entrance Door	Large missile impact resistant aluminum outswing door.
Limits of Use **Approved for use in HVHZ:** Yes **Approved for use outside HVHZ:** Yes **Impact Resistant:** Yes **Design Pressure:** +80/-80 **Other:** See attached drawing 24-97F for installation instructions and span vs load combinations.		**Installation Instructions** FL47222_R1_II_SS - MG-5500 OS DOOR (LMI) - DWG 24-97F 2023 R1.pdf Verified By: Jalal Farooq PE 81223 Created by Independent Third Party: Yes **Evaluation Reports** FL47222_R1_AE_SS - MG-5500 OS Door (LMI) -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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Product Approval Accepts:

Credit Card Safe securityMETRICS

AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

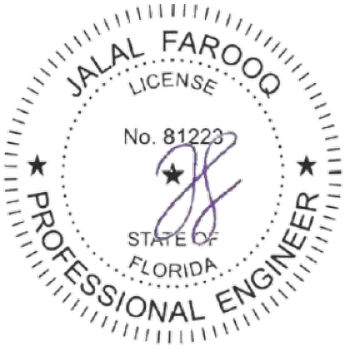
January 23, 2023

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

9360 Sunset Drive, Suite 220 | Miami, FL 33173 | T: 305.264.8100 | F: 305.262.6978 | www.afceng.com | alfarooq@afceng.com

AL-FAROOQ CORPORATION

CONSULTING ENGINEERS & PRODUCT DEVELOPMENT

PRODUCT APPROVAL EVALUATION
RULE CHAPTER #61G20-3 • METHOD 1 OPTION D

FL 47222

Detailed Product Description: **Date: 12/3/2024**

Manufacturer: MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC.

Manufacturer Address: 8051 NW 79th PLACE, MEDLEY, FL 33166

Model Name: SERIES MG-5500 ALUMINUM OUTSWING ENTRANCE DOOR

Maximum Load: +80 PSF, -80 PSF (Large Missile Impact)

Installation Drawings # 24-97F

This product complies with the High Velocity Hurricane Zone (HVHZ) testing requirements.

For maximum sizes, combination of span vs loads and anchor type refer to installation drawings.

Comparative analysis used _X_ Yes ___ No

Mandatory Tests (Tested in accordance with AAMA 101/I.S.2/NAFS/TAS-202)

Test	Description	Test Location	Test Report Date	Test Report #	Test Sealed By
ASTM E283	Air Infiltration Leakage	Hurricane Engineering & Testing, Inc	10/23/2024 10/23/2024	HETI-24-8215 HETI-24-8220	Ram N. Tewari, P.E. Ram N. Tewari, P.E.
ASTM E331 OR ASTM 547 & TAS 202	Water Penetration	Hurricane Engineering & Testing, Inc	10/23/2024 10/23/2024	HETI-24-8215 HETI-24-8220	Ram N. Tewari, P.E. Ram N. Tewari, P.E.
ASTM E330 & TAS 202	Uniform Static Air Press.	Hurricane Engineering & Testing, Inc	10/23/2024 10/23/2024 10/28/2024	HETI-24-8215 HETI-24-8220 HETI-24-8240	Ram N. Tewari, P.E. Ram N. Tewari, P.E. Ram N. Tewari, P.E.
ASTM 1304	Forced Entry Test	Hurricane Engineering & Testing, Inc	10/23/2024 10/23/2024 10/28/2024	HETI-24-8215 HETI-24-8220 HETI-24-8240	Ram N. Tewari, P.E. Ram N. Tewari, P.E. Ram N. Tewari, P.E.

Supplemental Tests (Tested in accordance with TAS-201 and TAS-203)					
Test	**Description**	**Test Location**	**Test Report Date**	**Test Report#**	**Test Sealed By**
FBC 1626.2 (TAS 201 & 203) ASTM E1886 & E1996	Large Missile Impact & Cyclic	Hurricane Engineering & Testing, Inc	10/23/2024 10/23/2024 10/28/2024	HETI-24-8215 HETI-24-8220 HETI-24-8240	Ram N. Tewari, P.E. Ram N. Tewari, P.E. Ram N. Tewari, P.E.

Under the limitations of the attached installation drawings, to the best of my knowledge and ability, the above product conforms to the requirements of the 2023 Florida Building Code.

Evaluation Report Engineer:

Jalal Farooq PE # 81223
Al-Farooq Corporation EB # 3538

Sealed: 12/20/2024

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

MG-5500
ALUMINUM OUTSWING ENTRANCE DOOR

SEE SHEET 2 FOR DESIGN LOAD CAPACITY OF SINGLE (X) AND DOUBLE (XX) DOORS.
SEE SHEET 3 FOR SINGLE (O/X) AND DOUBLE (O/XX) DOORS WITH TRANSOM.

DOORS CAN ALSO BE USED WITH 'MR. GLASS' SERIES-5500 WINDOW WALL SYSTEM UNDER SEPARATE APPROVAL.

SEE SEPARATE NOA FOR 'MR. GLASS' SERIES-5500 WINDOW WALL DOOR MULLION CAPACITIES.

LOWER VALUES FROM DOOR CAPACITY CHARTS OR WINDOW WALL APPROVAL WILL APPLY TO ENTIRE SYSTEM.

DOORS WITH HIGH SILL APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.
DOORS WITH ADA SILL NOT APPROVED FOR WATER INFILTRATION RESISTANCE.

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.

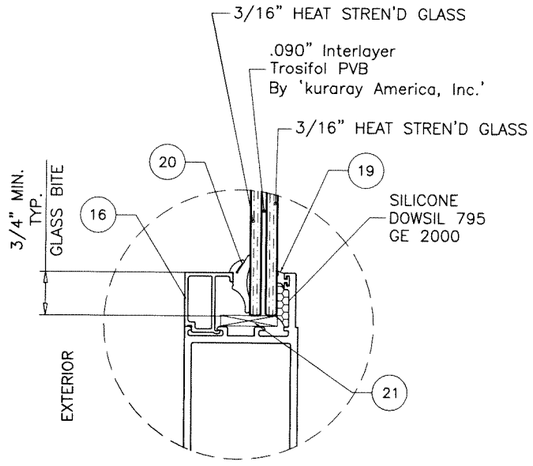
ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.

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.

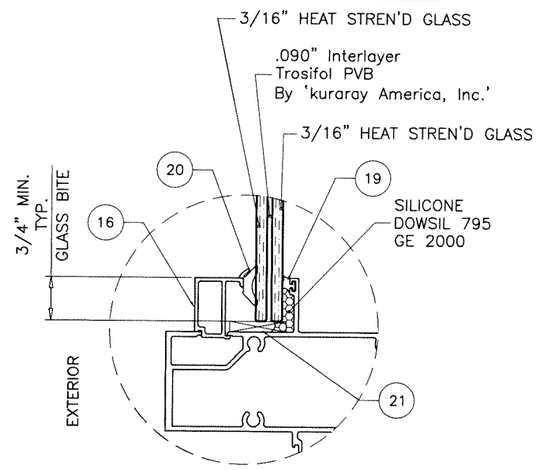
THIS PRODUCT APPROVAL IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT, i.e. LIFE SAFETY OF THIS PRODUCT, ADEQUACY OF STRUCTURE RECEIVING THIS PRODUCT AND SEALING AROUND OPENING FOR WATER INFILTRATION RESISTANCE ETC.
CONDITIONS NOT SHOWN IN THIS DRAWING ARE TO BE ANALYZED SEPARATELY,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

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

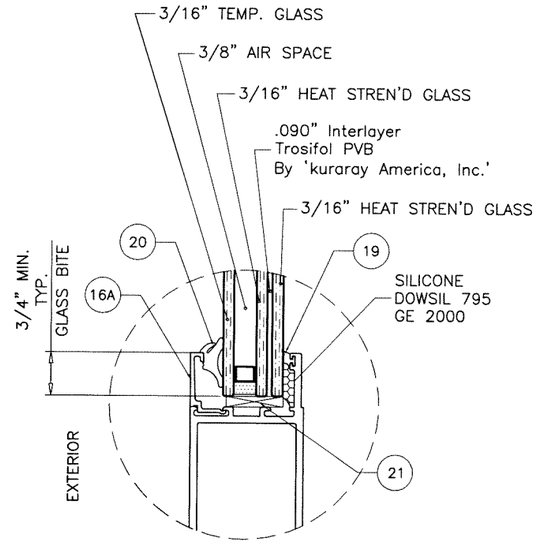
MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE. LABELING TO COMPLY WITH SECTION 1709.9.2.



GLASS TYPE 'A' (DOOR)
7/16" INSUL. LAM. GLASS



GLASS TYPE 'A' (TRANSOM)
7/16" INSUL. LAM. GLASS



GLASS TYPE 'Ai' (DOOR)
1-1/16" INSUL. LAM. GLASS

GLAZING OPTIONS

Sealed: 2/3/2025

FL #47222

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.

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100
FBPE #3538
WWW.AFCENG.COM

COMP-ANL\24-97F-MG

MG-5500 ALUMINUM OUTSWING DOOR (L.M.I.)

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8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963
www.mrglasswindows.com

revisions:

no	date	by	description

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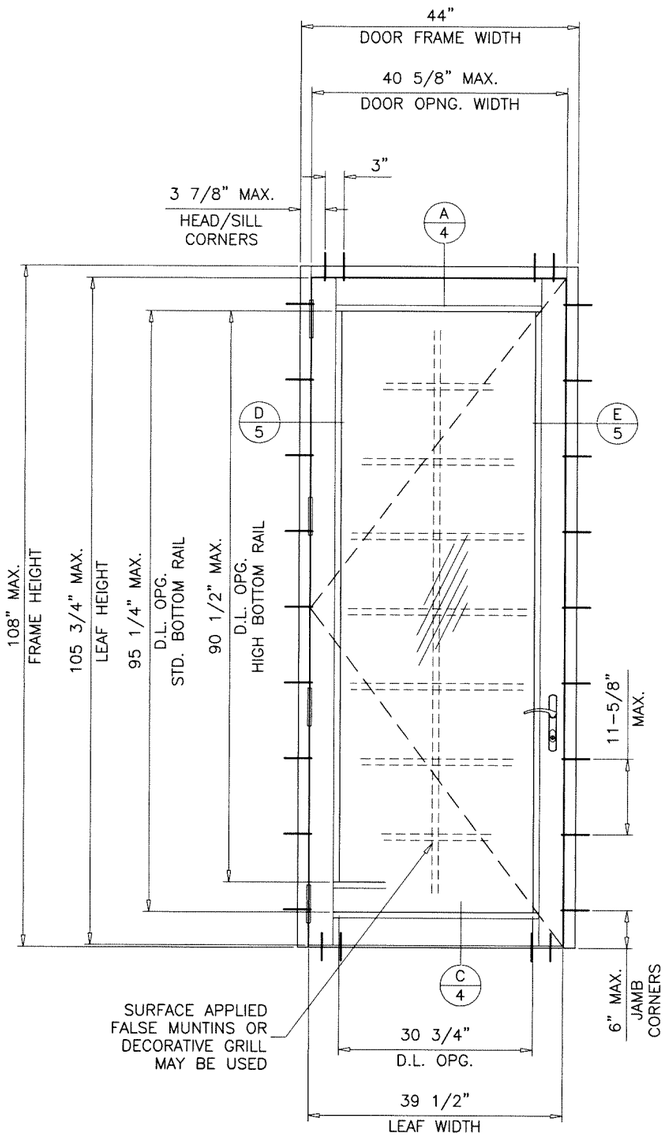
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

drawing no. 24-97F

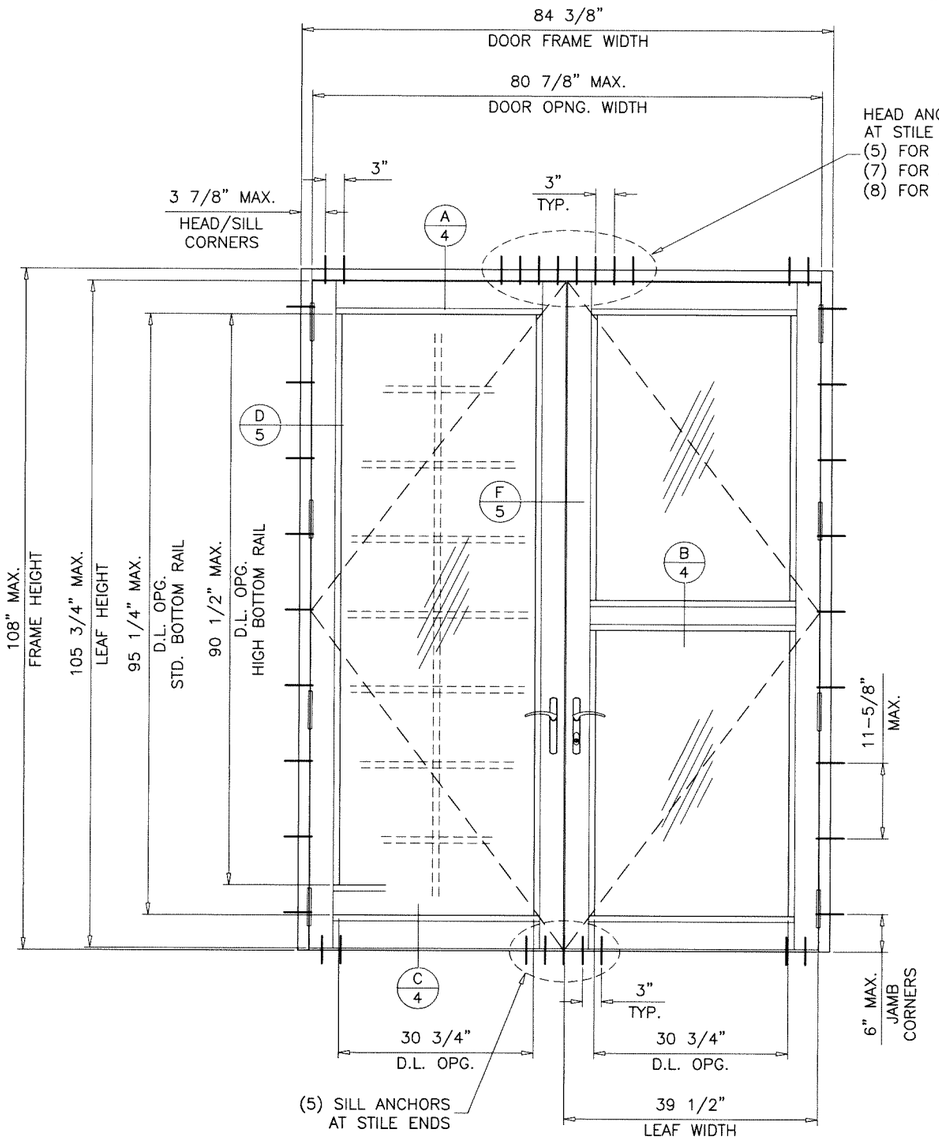
sheet 1 of 11



TYPICAL ELEVATION

(X)

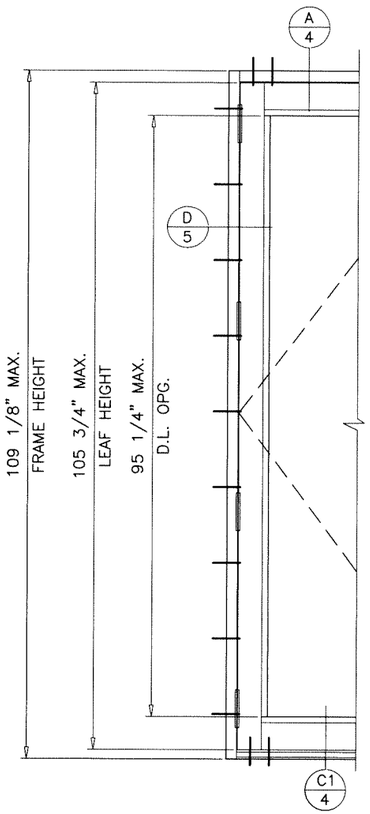
SINGLE (X) DOORS LOAD CAPACITY – PSF						
FRAME DIMS.			LEAF DIMS.		EXT.(+)	INT.(–)
WIDTH	HEIGHT		WIDTH	HEIGHT		
	ADA SILL	HIGH SILL				
44"	108"	109-1/8"	39-1/2"	105-3/4"	80.0	80.0



TYPICAL ELEVATION

(XX)

DOUBLE (XX) DOORS LOAD CAPACITY – PSF						
FRAME DIMS.			LEAF DIMS.		EXT.(+)	INT.(–)
WIDTH	HEIGHT		WIDTH	HEIGHT		
	ADA SILL	HIGH SILL				
84-3/8"	108"	109-1/8"	39-1/2"	105-3/4"	80.0	80.0



GLASS D.L.O. FORMULAE: (DOOR)

D.L.O. WIDTH = FRAME WIDTH – 13.25" (X DOORS)
= (FRAME WIDTH – 26.50")/2 (XX DOORS)

D.L.O. HEIGHT = LEAF HEIGHT – 10.50" (STD. BOTTOM RAIL)
LEAF HEIGHT – 15.25" (HIGH BOTTOM RAIL)

DOOR LEAF HEIGHT = FRAME HEIGHT – 2.250" (ADA SILL)
FRAME HEIGHT – 3.375" (HIGH SILL)

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

Sealed: 2/3/2025

JALAL FAROOQ
LICENSE
No. 81223
STATE OF FLORIDA
PROFESSIONAL ENGINEER

FL #47222

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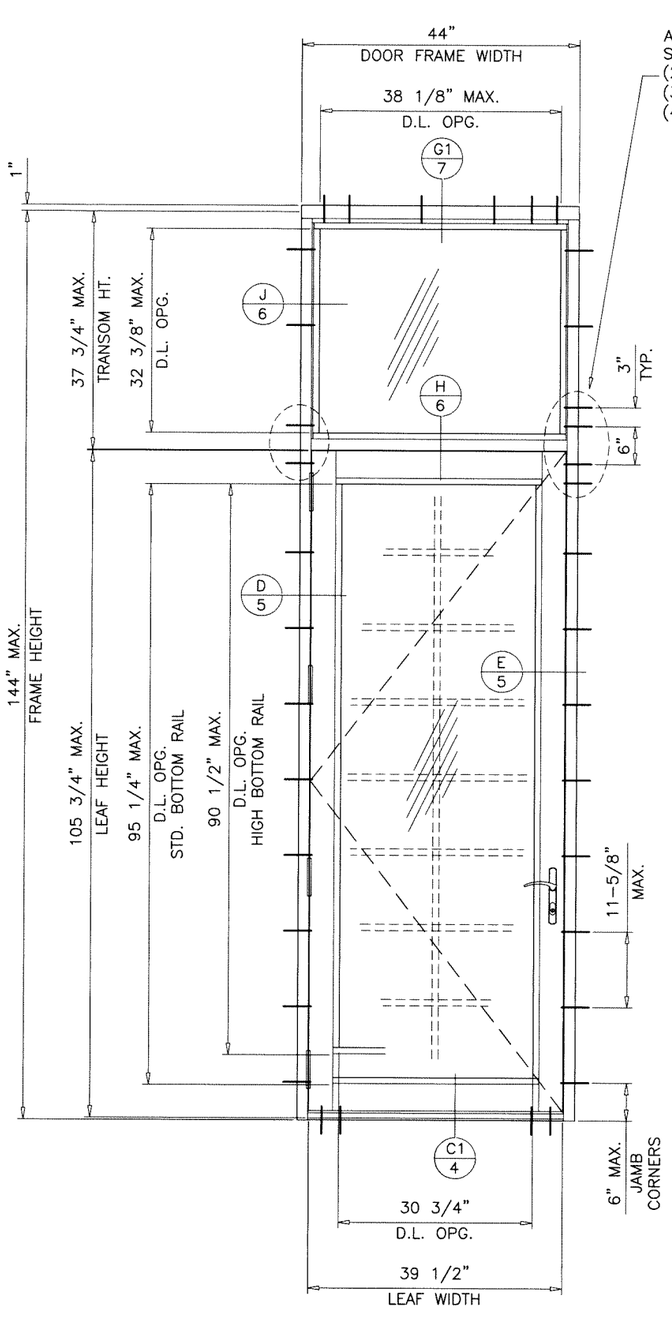
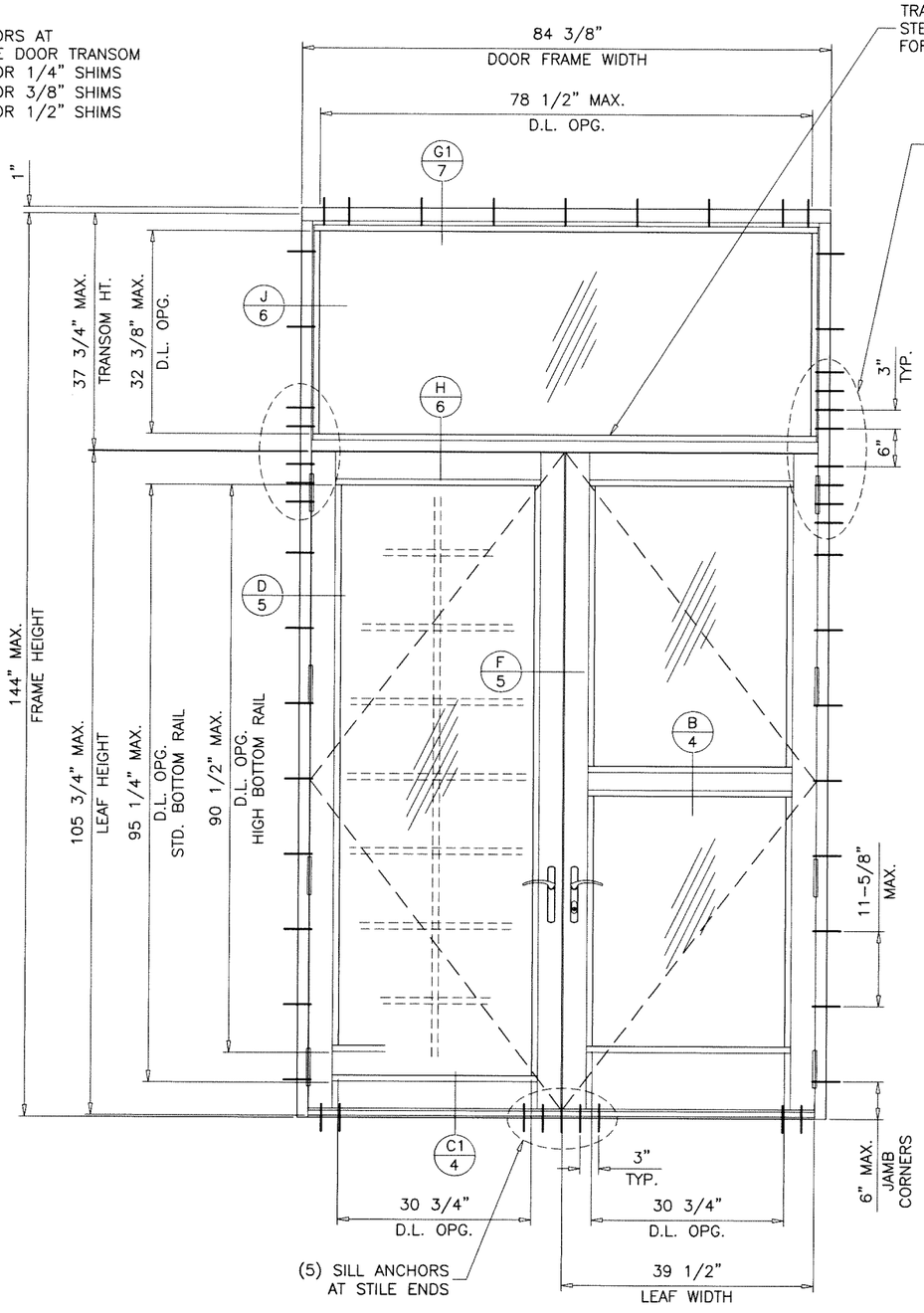
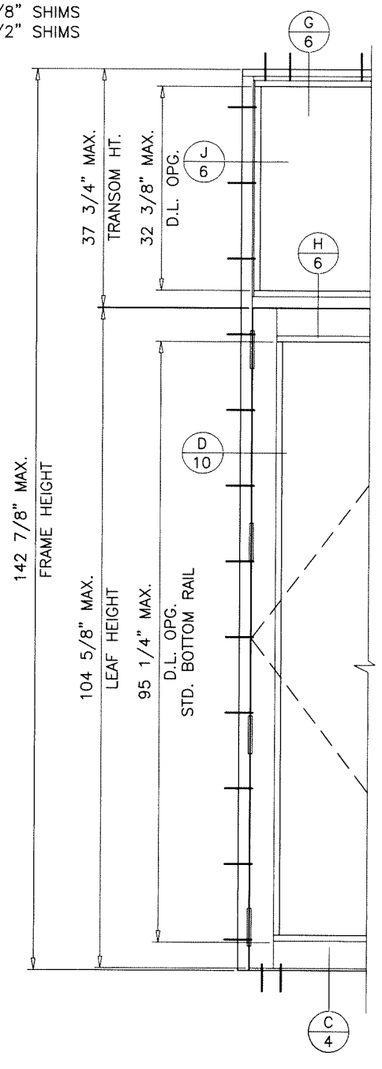


TYPICAL ELEVATION
(O/X)



TYPICAL ELEVATION
(O/XX)



SINGLE (O/X) DOORS WITH TRANSOM LOAD CAPACITY - PSF							
FRAME DIMS.			LEAF DIMS.		TRANSOM HEIGHT	EXT.(+)	INT.(−)
WIDTH	HEIGHT		WIDTH	HEIGHT			
	ADA SILL	HIGH SILL					
44"	108"	109-1/8"	39-1/2"	105-3/4"	37-3/4"	80.0	80.0

DOUBLE (O/XX) DOORS WITH TRANSOM LOAD CAPACITY - PSF							
FRAME DIMS.			LEAF DIMS.		TRANSOM HEIGHT	EXT.(+)	INT.(−)
WIDTH	HEIGHT		WIDTH	HEIGHT			
	ADA SILL	HIGH SILL					
84-3/8"	108"	109-1/8"	39-1/2"	105-3/4"	37-3/4"	80.0	80.0

Sealed: 2/3/2025

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FL #47222

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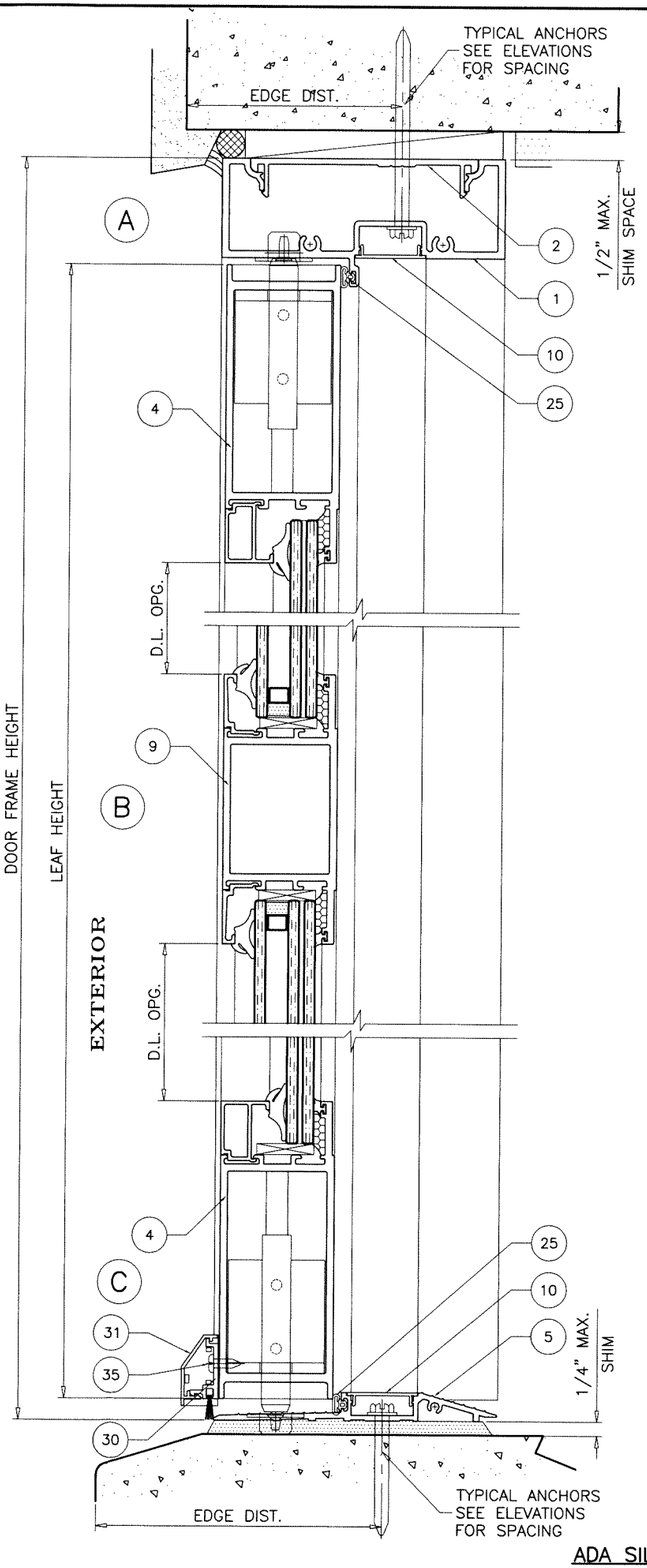
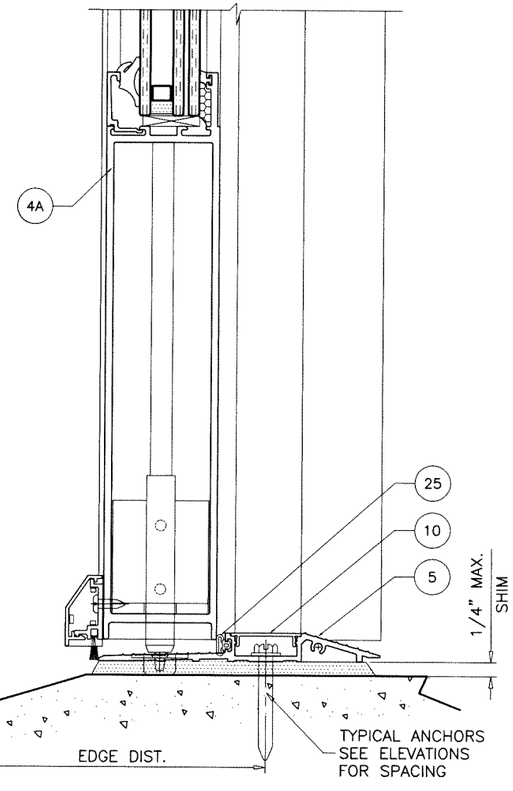
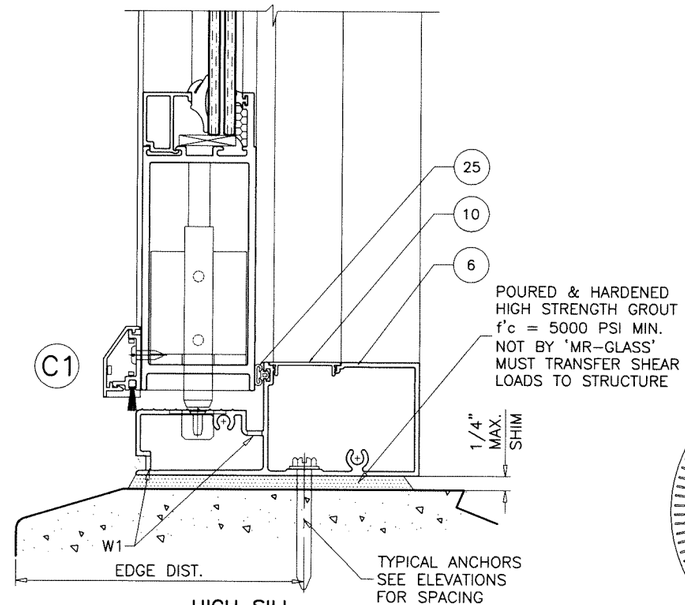
sheet 3 of 11



ADA SILL

NOT APPROVED FOR WATER INFILTRATION RESISTANCE





HIGH SILL

APPROVED FOR WATER INFILTRATION RESISTANCE

WEEPHOLES:

W1 = 5/16" X 1-3/4" LONG WEEP SLOTS
(2) PER LITE AT 8" FROM EACH END.

FL #47222

JALAL FAROOQ
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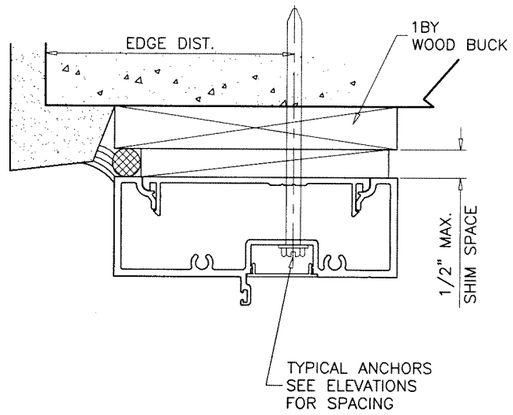
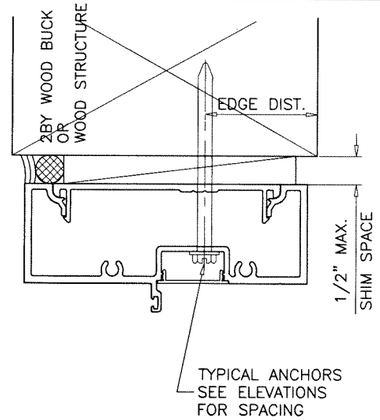
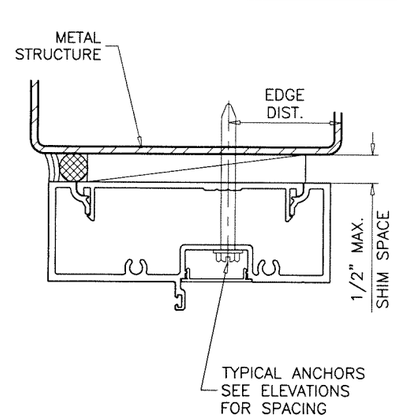






WOOD BUCKS AND METAL STRUCTURE NOT BY 'MR-GLASS' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS AT DOOR FRAMES: SEE ELEV. FOR SPACING

1/4" X 2-3/4" ULTRACON BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
INTO WOOD STRUCTURES
1-1/2" MIN. PENETRATION INTO WOOD (HEAD/SILL/JAMBS)
THRU 1BY OR 2BY WOOD BUCKS INTO CONC. OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-1/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES
INTO CONCRETE AND BLOCKS = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.

1/4" X 2-3/4" ULTRACON BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
DIRECTLY INTO CONCRETE OR BLOCKS
1-3/4" MIN. EMBED INTO CONCRETE (HEAD/SILL/JAMBS)
1-3/4" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES
INTO CONCRETE AND BLOCKS = 2-1/2" MIN.

1/4" DIA. SMS OR SELF-DRILLING SCREWS (GRADE 2 CRS)
INTO F.B.C. APPROVED MULLIONS
AND
INTO METAL STRUCTURES (HEAD/SILL/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)

ANCHOR EDGE DISTANCES
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.

Sealed: 2/3/2025

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL #47222

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 WWW.AFCENG.COM
FBPE #3538
COMP-ANL\24-97F-MG

MG-5500 ALUMINUM OUTSWING DOOR (L.M.I.)

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

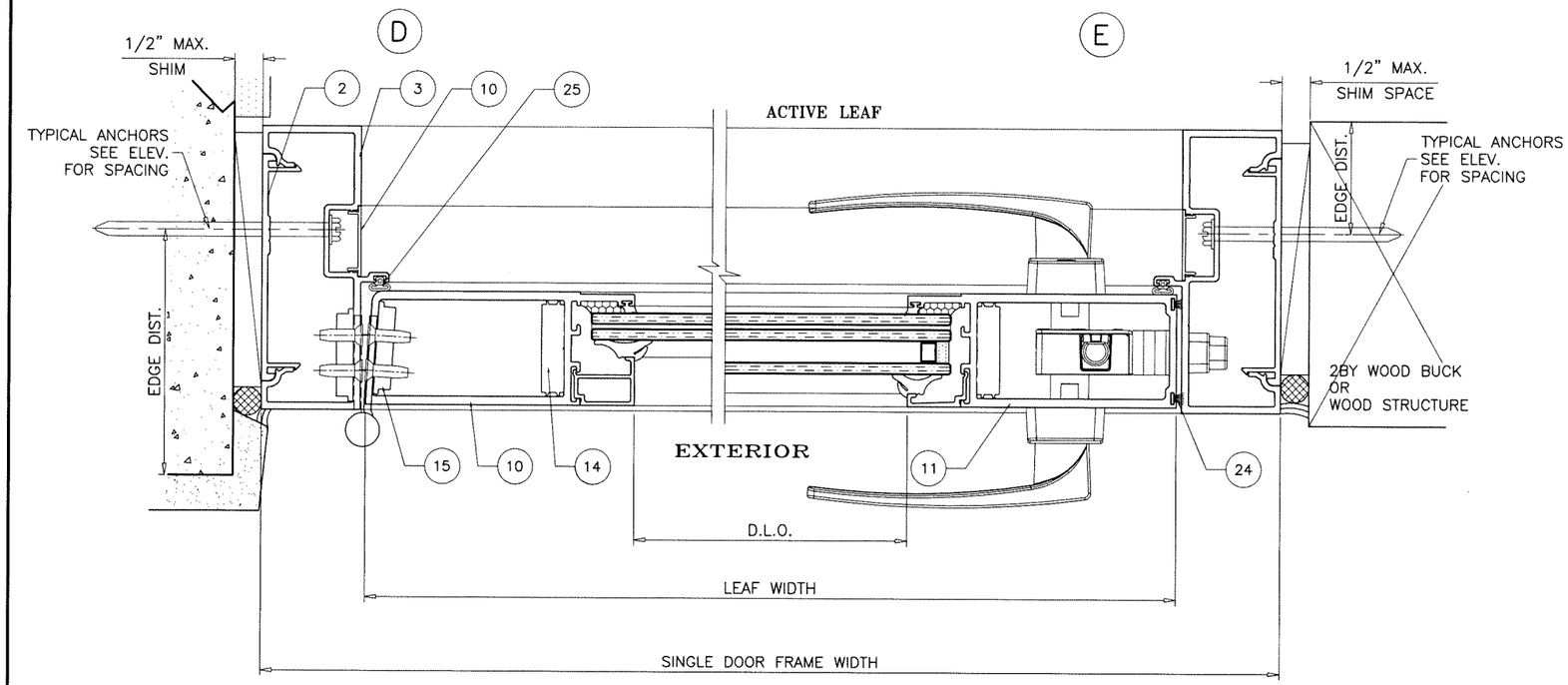
revisions:

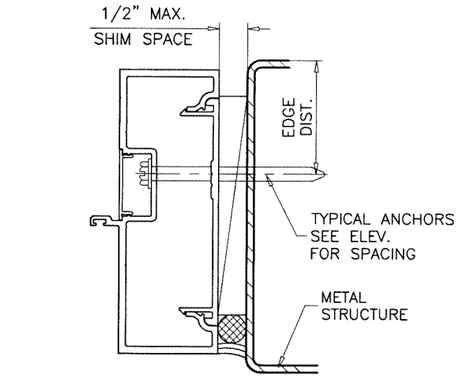
no	date	by	description

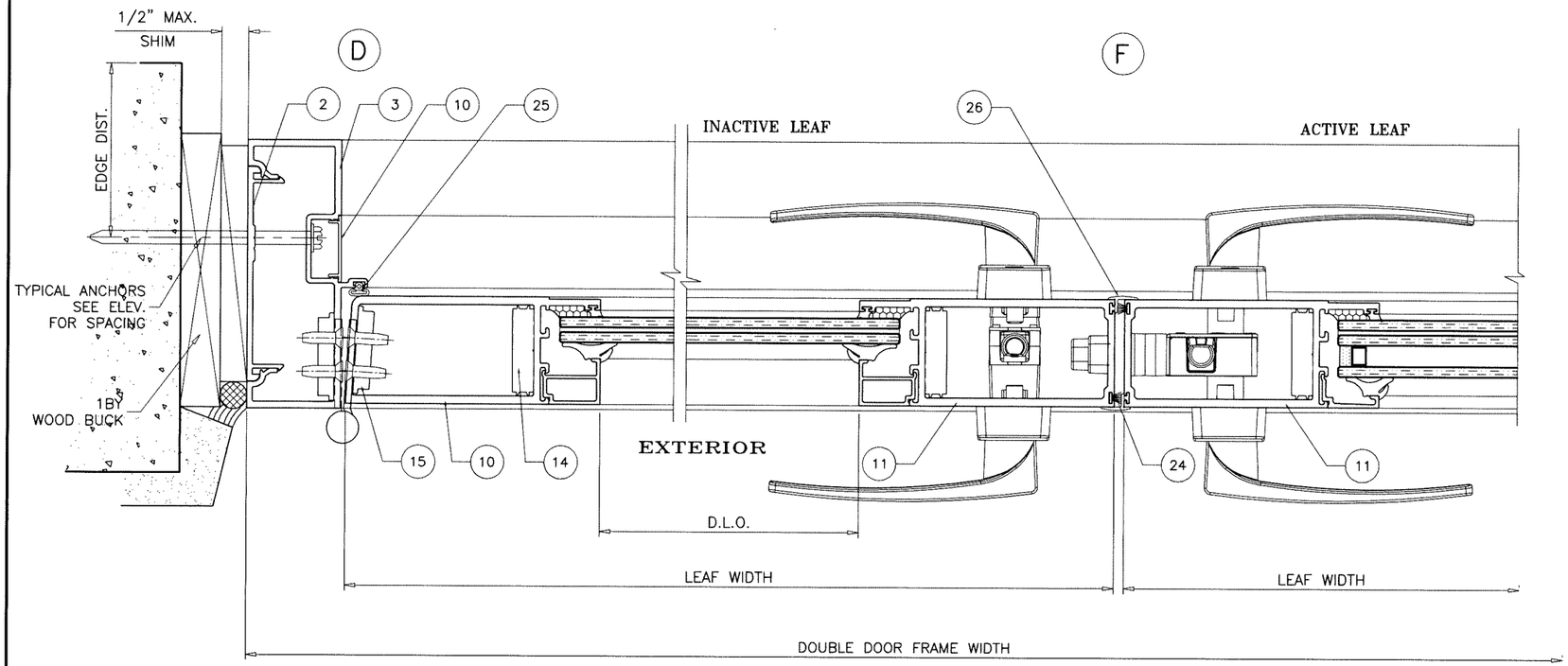
date: 12-06-24
scale: 3/8" = 1"
dr. by: TARIQ
chk. by:

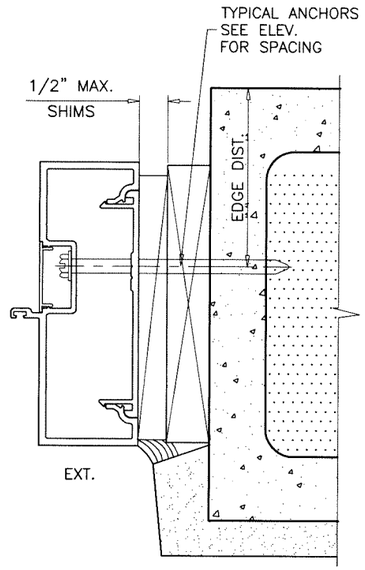
drawing no. 24-97F

sheet 4.1 of 11









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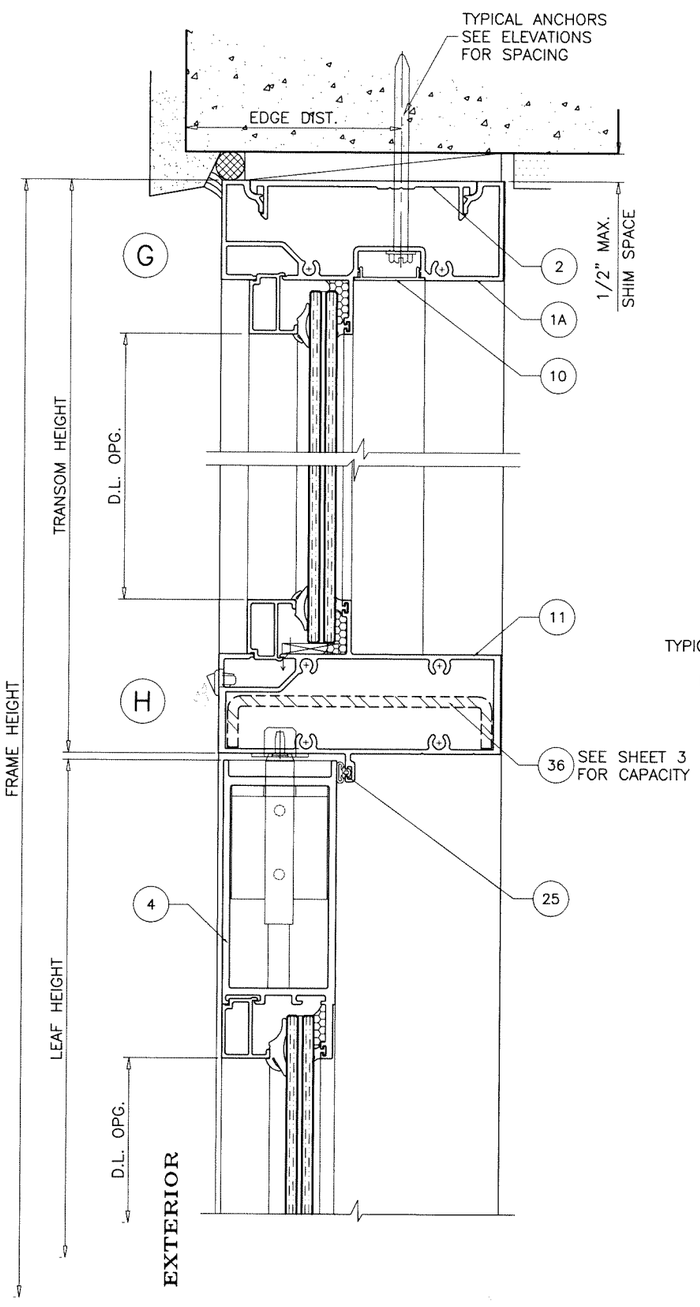

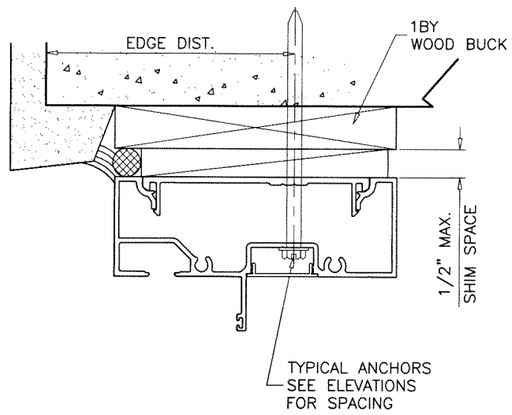

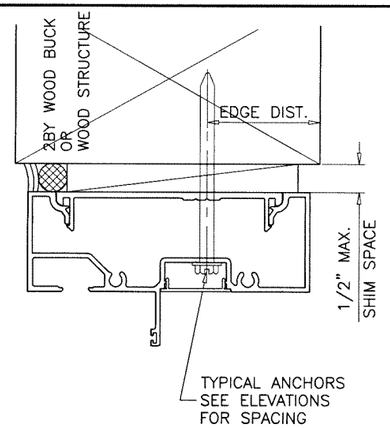

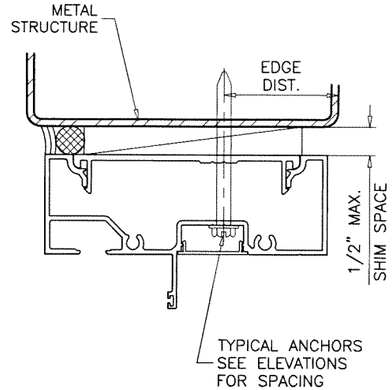

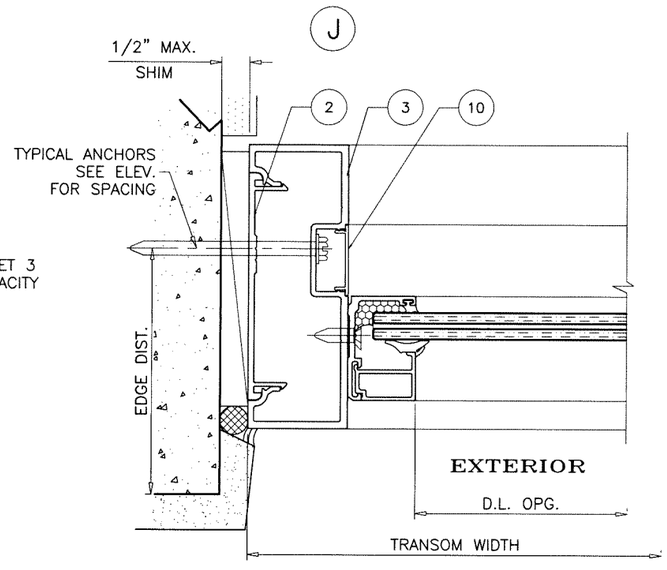

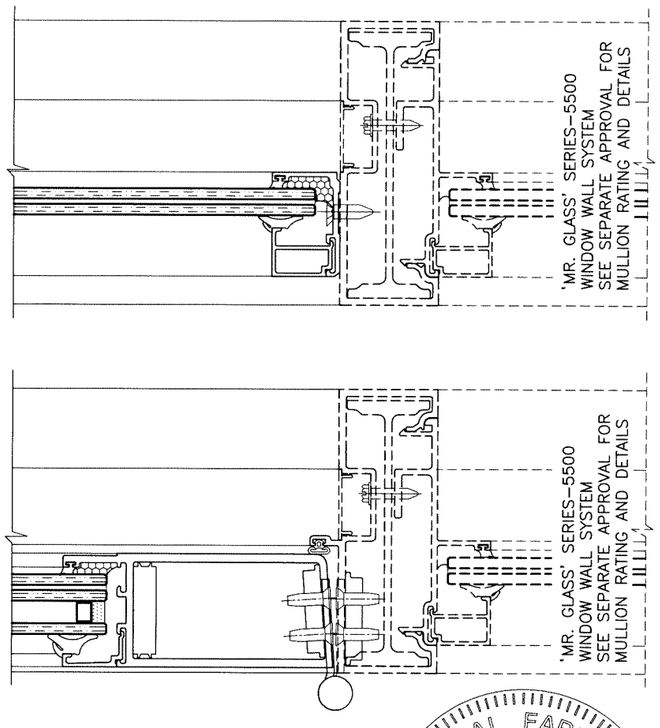

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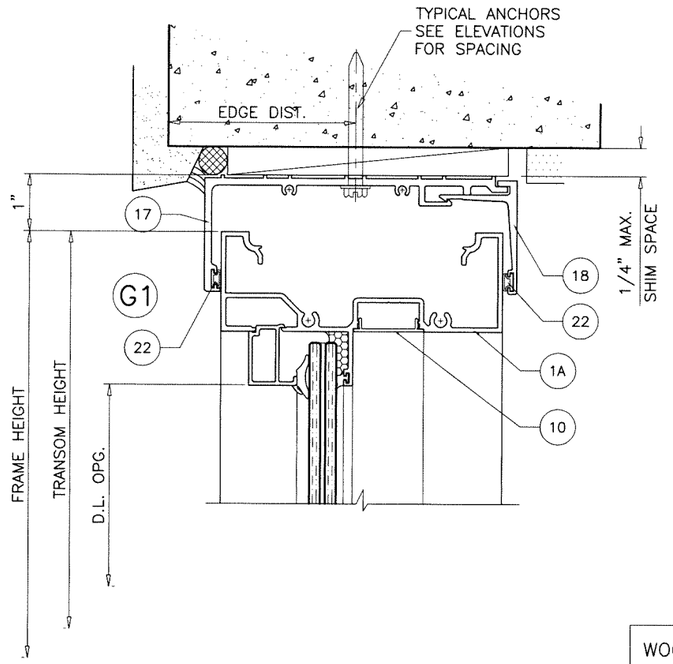

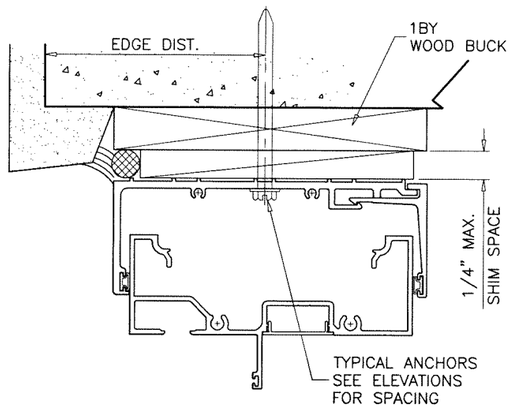

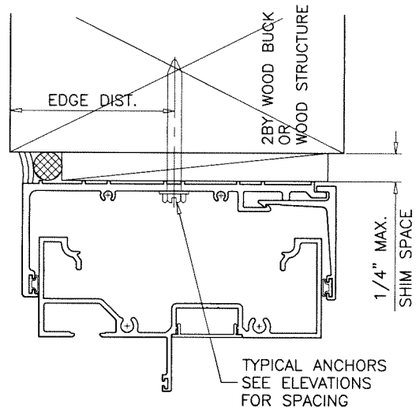

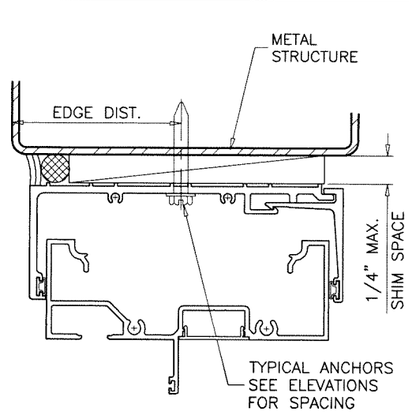

WOOD BUCKS AND METAL STRUCTURE NOT BY 'MR-GLASS' MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

NOTE:
SEALANT APPLICATION AT HEAD AND JAMB RECEPTORS TO BE DETERMINED ON CASE BY CASE PROJECT DEPENDING ON THE APPLICATION.

TYPICAL ANCHORS AT RECEPTORS: SEE ELEV. FOR SPACING

5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
INTO WOOD STRUCTURES
1-7/8" MIN. PENETRATION INTO WOOD
THRU 1BY OR 2BY WOOD BUCKS INTO CONC.
1-1/2" MIN. EMBED INTO CONCRETE

ANCHOR EDGE DISTANCES
INTO CONCRETE = 2-1/2" MIN.
INTO WOOD STRUCTURE = 1-1/4" MIN.

5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE
2" MIN. EMBED INTO CONCRETE

ANCHOR EDGE DISTANCES
INTO CONCRETE = 3-1/8" MIN.

5/16" DIA. SMS OR SELF-DRILLING SCREWS (GRADE 2 CRS)
INTO F.B.C. APPROVED MULLIONS
AND
INTO METAL STRUCTURES
(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)

ANCHOR EDGE DISTANCES
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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LOCK OPTIONS:

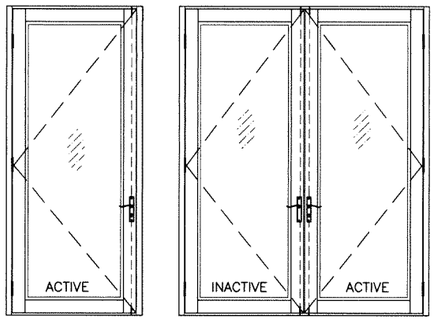
MULTI POINT LOCK OPTION #1:

ACTIVE LEAF:

3 POINT LOCK SYSTEM BY 'INTERLOCK' AT 34-1/2" FROM BOTTOM
HANDLE ACTIVATES DEAD BOLT AND SHOOT BOLTS ENGAGING AT HEAD AND SILL
KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR
11/16" MIN. DEAD BOLT PENETRATION
9/16" MIN. SHOOT BOLT PENETRATION AT HEAD
1/2" MIN. SHOOT BOLT PENETRATION AT SILL
FASTENED TO ACTIVE LEAF LOCK STILE WITH
(2) #8-32 X 2" OH MS

INACTIVE LEAF:

2 POINT LOCK SYSTEM BY 'INTERLOCK' AT 34-1/2" FROM BOTTOM
HANDLE ACTIVATES SHOOT BOLTS ENGAGING AT HEAD AND SILL
9/16" MIN. SHOOT BOLT PENETRATION AT HEAD
1/2" MIN. SHOOT BOLT PENETRATION AT SILL
FASTENED TO INACTIVE LEAF LOCK STILE WITH
(2) #8-32 X 2" OH MS



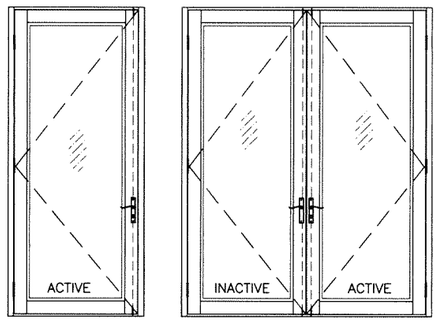
MULTI POINT LOCK OPTION #2:

ACTIVE LEAF:

3 POINT LOCK SYSTEM BY 'REGENT HARDWARE' AT 40-1/2" FROM BOTTOM
HANDLE ACTIVATES DEAD BOLT AND SHOOT BOLTS ENGAGING AT HEAD AND SILL
KEY OPERATED ON EXTERIOR AND THUMB TURN ON INTERIOR
11/16" MIN. DEAD BOLT PENETRATION
9/16" MIN. SHOOT BOLT PENETRATION AT HEAD
1/2" MIN. SHOOT BOLT PENETRATION AT SILL
FASTENED TO ACTIVE LEAF LOCK STILE WITH
(2) #8-32 X 2" OH MS

INACTIVE LEAF:

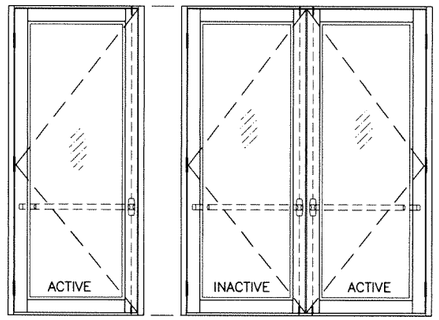
2 POINT LOCK SYSTEM BY 'REGENT HARDWARE' AT 40-1/2" FROM BOTTOM
HANDLE ACTIVATES SHOOT BOLTS ENGAGING AT HEAD AND SILL
9/16" MIN. SHOOT BOLT PENETRATION AT HEAD
1/2" MIN. SHOOT BOLT PENETRATION AT SILL
FASTENED TO INACTIVE LEAF LOCK STILE WITH
(2) #8-32 X 2" OH MS



CVR PANIC DEVICE OPTION #1:

ACTIVE & INACTIVE LEAF:

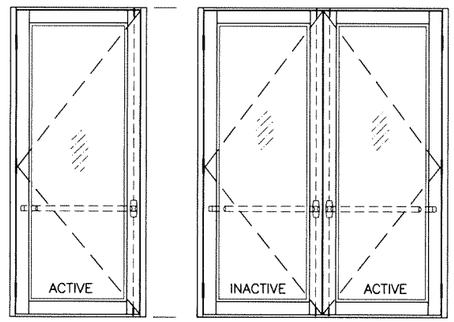
CONCEALED VERTICAL ROD PANIC EXIT DEVICE
BY 'JACKSON PANIC SYSTEM'
LOCATED AT 41" FROM SILL AT EACH LEAF.
FASTENED WITH
(1) #14 X 1" HH SELF DRILLING SCREW AT ONE END AND
(2) #12-24 X 1/2" OH MACHINE SCREWS AT OTHER END



CVR PANIC DEVICE OPTION #2:

ACTIVE & INACTIVE LEAF:

CONCEALED VERTICAL ROD PANIC EXIT DEVICE
'1690' BY 'FALCON'
LOCATED AT 40" FROM SILL AT EACH LEAF.
FASTENED WITH
(1) #14 X 1" HH SELF DRILLING SCREW AT ONE END AND
(2) #12-24 X 1/2" OH MACHINE SCREWS AT OTHER END



HINGES:

4" X 4-1/2" ST. STEEL BALL BEARING HINGES BY 'REGENT/IDH'
(3) FOR DOORS UPTO 98" HEIGHTS
(4) FOR DOORS UPTO 108" HEIGHTS
TOP AND BOTTOM HINGES AT 6-5/8" FROM ENDS
INTERMEDIATE HINGES EQUALLY SPACED
FASTENED TO FRAME WITH
(4) #12 X 1/2" FH SELF DRILLING SCREWS
FASTENED TO LEAF WITH
(4) #12 X 1/2" FH SELF DRILLING SCREWS

SEALANTS:

ALL JOINTS AND FRAME CONNECTIONS SEALED WITH WHITE/ALUMINUM COLORED SILICONE.

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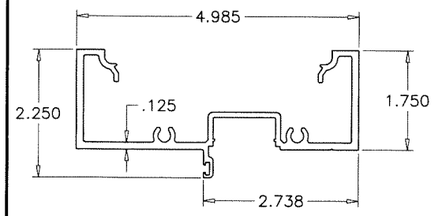

1 DOOR FRAME HEAD
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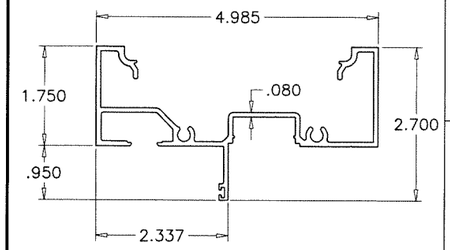

1A TRANSOM HEAD
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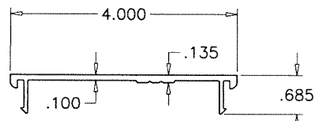

2 SNAP COVER
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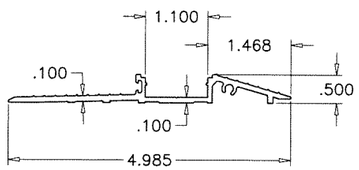

5 ADA SILL
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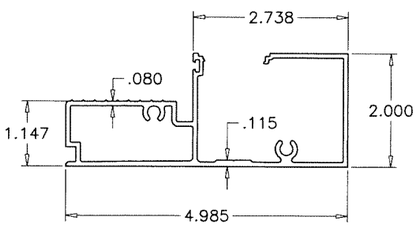

6 HIGH SILL
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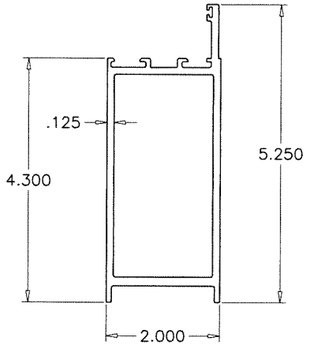
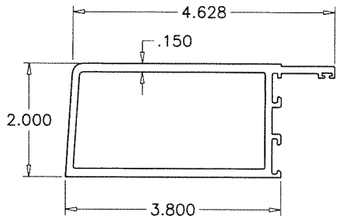


4 LEAF TOP/BOTTOM RAIL
4002



10 HINGE STILE
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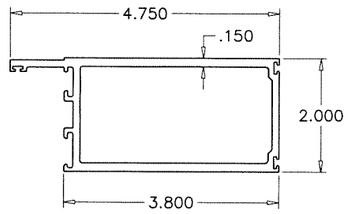

8 LOCK STILE
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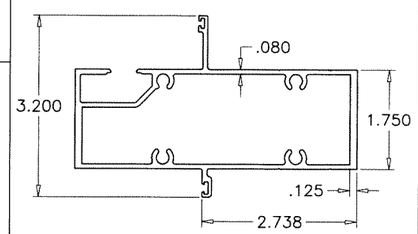

11 INTERMEDIATE TRANSOM
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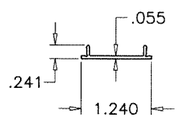

10 FRAME COVER
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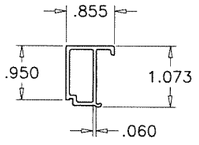

16 GLAZING BEAD
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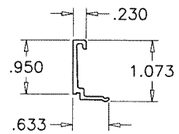

16A GLAZING BEAD
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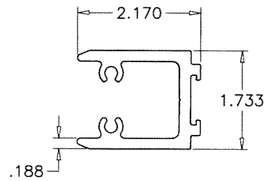

13 SHEAR BLOCK
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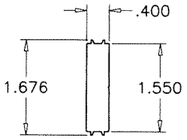

14 COUNTER PLATE
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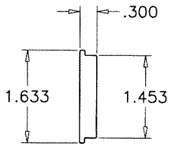

15 SHEAR BLOCK NUT
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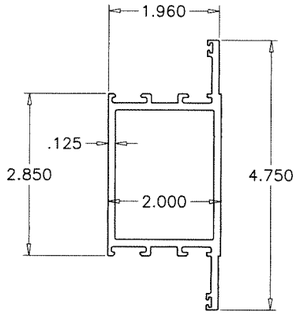
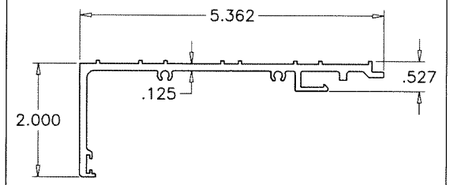
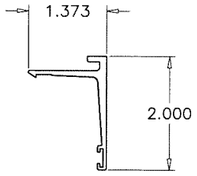


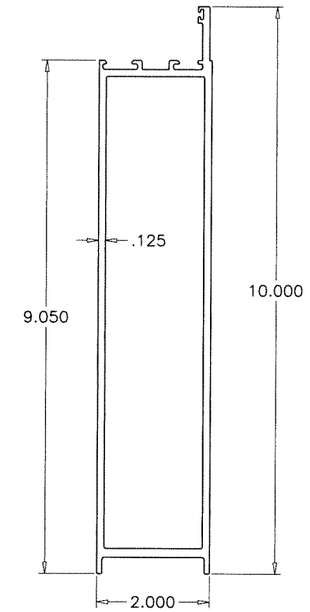
9 INTERMEDIATE RAIL
4005



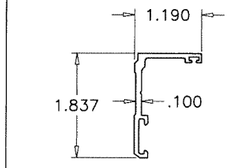
17 HEAD/JAMB RECEPTOR (EXT.)
5510



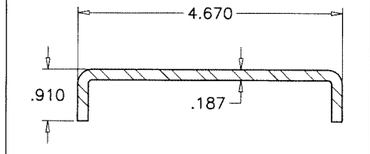
18 HEAD/JAMB RECEPTOR (INT.)
5511



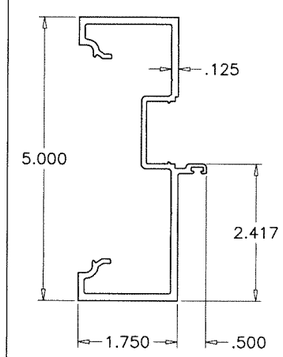
4A HIGH BOTTOM RAIL
4001



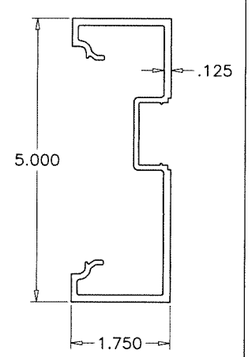
– TRANSOM ADAPTER
5526



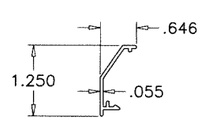
36 TRANSOM REINF.
–



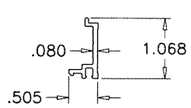
3 DOOR JAMB
5521



3A TRANSOM JAMB
5521



31 DOOR SWEEP COVER
5512



30 EXT. DOOR SWEEP
5512

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COMP-ANL\24-97F-MG

MG-5500 ALUMINUM OUTSWING DOOR (L.M.I.)

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

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date: 12-06-24
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dr. by: TARIQ
chk. by:

drawing no. 24-97F

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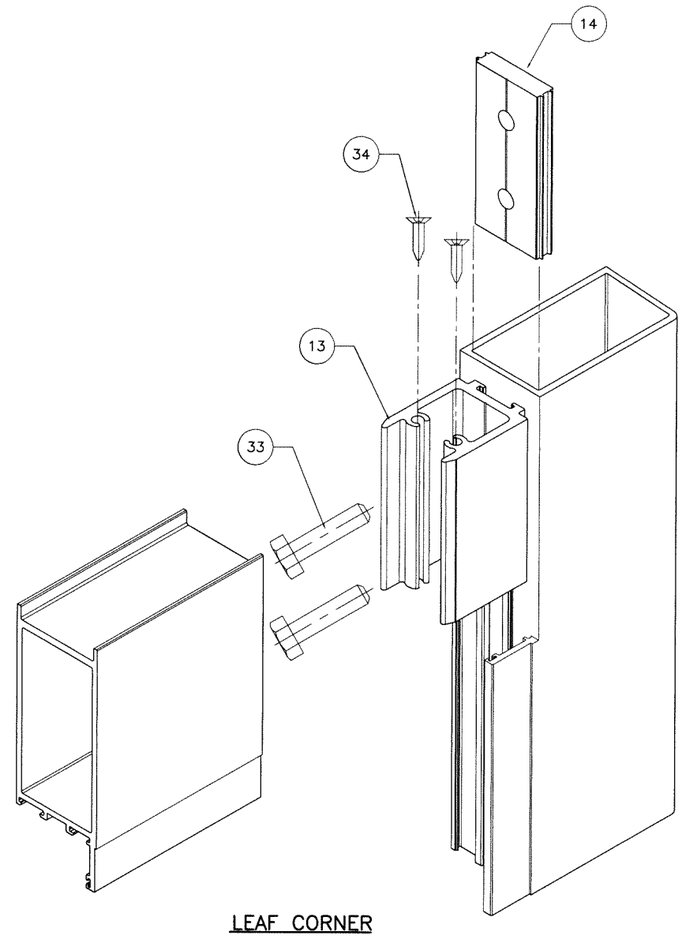
ITEM #	PART #	REQD.	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
1	5522	AS REQD.	DOOR FRAME HEAD	6063–T6	–
1A	5504	AS REQD.	TRANSOM HEAD	6063–T6	–
2	5508	AS REQD.	FRAME COVER	6063–T6	–
3	5521	AS REQD.	DOOR FRAME JAMB	6063–T6	–
3A	5521	AS REQD.	TRANSOM JAMB	6063–T6	–
4	4002	AS REQD.	LEAF TOP & BOTTOM RAIL	6063–T6	–
4A	4001	AS REQD.	HIGH BOTTOM RAIL	6063–T6	–
5	5524	AS REQD.	ADA SILL	6063–T6	–
6	5523	AS REQD.	HIGH SILL	6063–T6	–
7	5530	AS REQD.	HINGE STILE	6063–T6	–
8	4004	AS REQD.	LOCK STILE	6063–T6	–
9	4005	AS REQD.	INTERMEDIATE RAIL	6063–T6	–
10	5512	AS REQD.	FRAME COVER	6063–T5	–
11	5525	AS REQD.	INETRMEDIATE TRANSOM	6063–T6	–
12	5526	AS REQD.	TRANSOM ADAPTER	6063–T5	–
13	4024	AS REQD.	SHEAR BLOCK	6063–T6	–
14	4025	AS REQD.	COUNTER PLATE	6063–T6	–
15	3016	AS REQD.	HINGE BACKING PLATE, 9" LONG	6063–T6	–
16	E9001	AS REQD.	GLAZING BEAD (LAM. GLASS)	6063–T6	–
16A	E9002	AS REQD.	GLAZING BEAD (INSUL. LAM. GLASS)	6063–T6	–
17	5510	AS REQD.	HEAD/JAMB RECEPTOR (EXTERIOR)	6063–T6	–
18	5511	AS REQD.	HEAD/JAMB RECEPTOR (INTERIOR)	6063–T6	–
19	G30–01	AS REQD.	INTERIOR GLAZING GASKET	EPDM	DUROMETER 70±5 SHORE A
20	G6–01	AS REQD.	EXTERIOR GLAZING GASKET	EPDM	DUROMETER 70±5 SHORE A
21	–	2/ LITE	SETTING BLOCK, 1/8" X 1" X 4" LONG, AT 3" FROM EACH END	EPDM	DUROMETER 80±5 SHORE A
22	G60–03	AS REQD.	RECEPTOR GASKET	EPDM	DUROMETER 70±5 SHORE A
23	G30–02	AS REQD.	DOUBLE FIN AIR SEAL W'STRIPPING	SANTOPRENE	DUROMETER 70±5 SHORE A
24	G25–02	AS REQD.	PILE W'STRIPPING	WOOL	ULTRAFAB
25	G60–03	AS REQD.	BULB W'STRIPPING	EPDM	–
26	G55–12	AS REQD.	LOCK STILE GASKET	EPDM	DUROMETER 78±5 SHORE A
27	G40–03	AS REQD.	DOOR SWEEPER	WOOL	ULTRAFAB
28	M30–02	AS REQD.	BALL BEARING HINGES	ST. STEEL	–
29	–	AS REQD.	MULTI POINT LOCK	–	–
30	4022	AS REQD.	EXTERIOR DOOR SWEEP	6063–T5	–
31	4023	AS REQD.	DOOR SWEEP COVER	6063–T5	–
32	#12 X 1–1/2"	AS REQD.	FRAME ASSEMBLY SCREWS	ST. STEEL	HWH SMS
33	3/8 X 1"	AS REQD.	SHEAR BLOCK FASTENERS	ST. STEEL	HEX SOCKET HEAD SCREWS
34	#12 X 1–1/2"	AS REQD.	SHEAR BLOCK FASTENERS	ST. STEEL	HWH SMS
35	#10 X 3/4"	AS REQD.	DOOR SWEEP FASTENERS	–	PH SELF DRILLING
36	–	AS REQD.	TRANSOM REINFORCING CHANNEL	STEEL	A36, Fu MIN. = 58 KSI
37	–	–	–	–	–



LEAF CORNER

INTERMEDIATE RAIL CORNER

SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER OF GLAZING BEAD TO FRAME TO BE SEALED WITH GE 2000 SILICONE.

Sealed: 2/3/2025

JALAL FAROOQ LICENSE No. 81223 STATE OF FLORIDA PROFESSIONAL ENGINEER

FL #47222

afc

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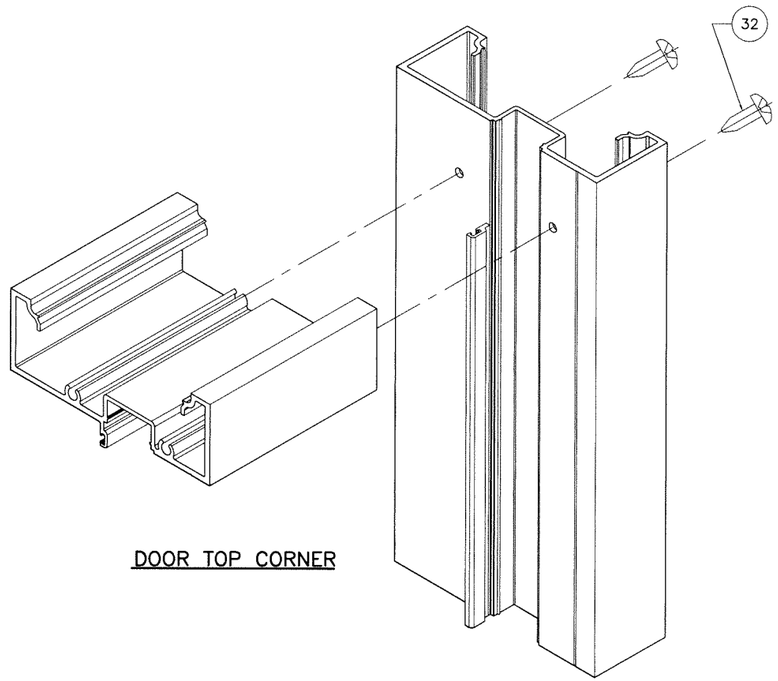
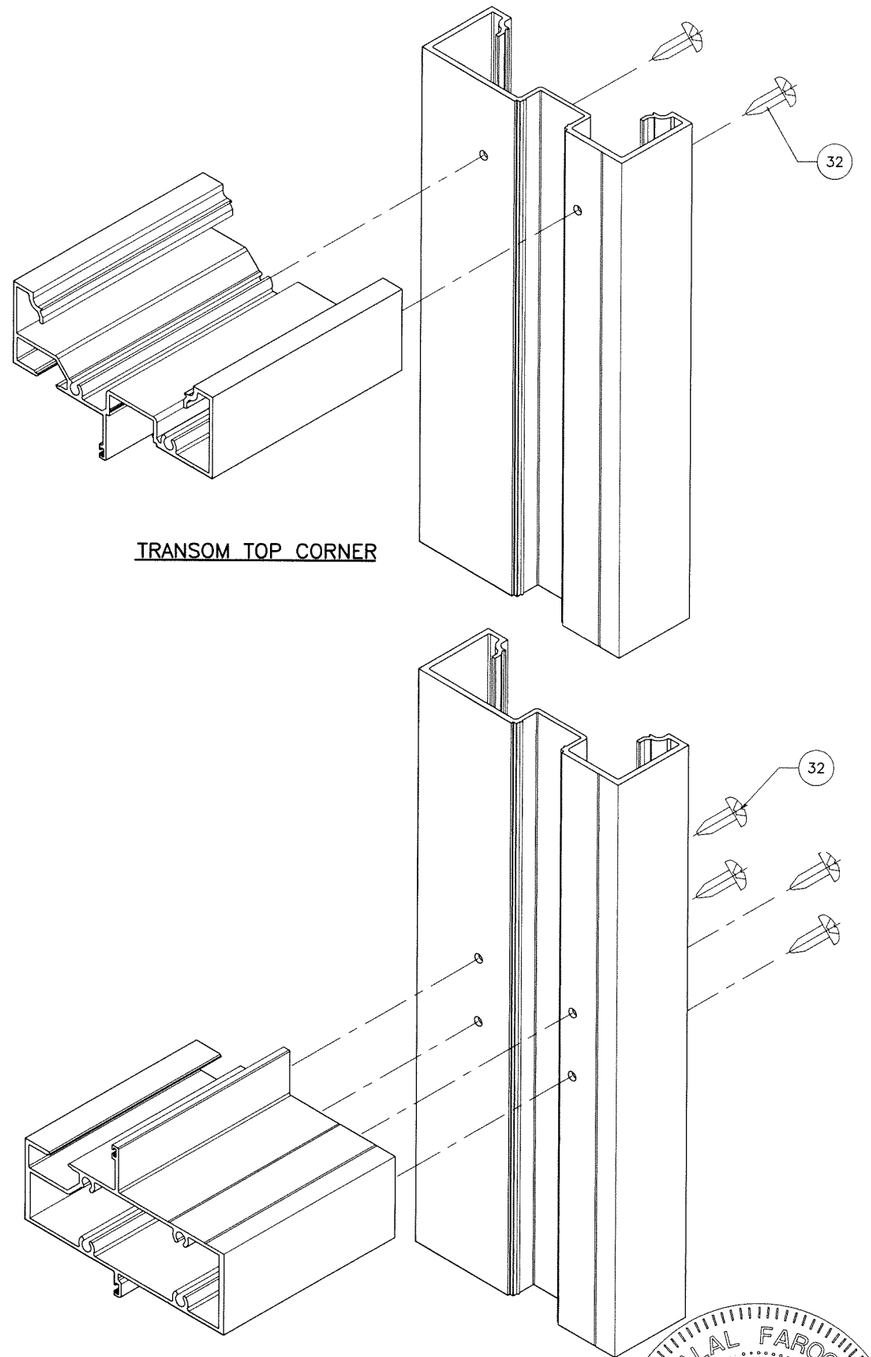
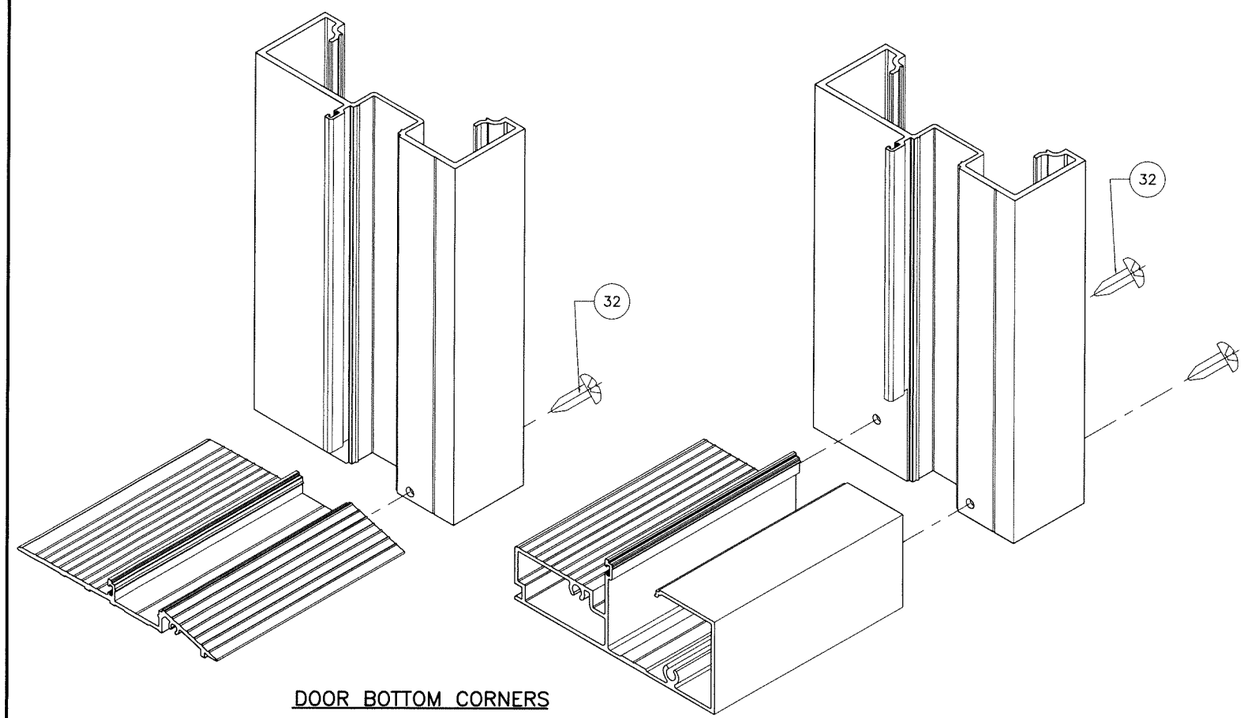


DOOR TOP CORNER



TRANSOM TOP CORNER



DOOR BOTTOM CORNERS

INTERMEDIATE TRANSOM CORNER

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