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Product Approval

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FL #	FL27001-R3
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	FL27001_R3_COI_SS - Certificate of Independence.pdf	
Referenced Standard and Year (of Standard)	<u>Standard</u> ASTM E1886 ASTM E1996 TAS-201 TAS-202 TAS-203	<u>Year</u> 2013 2017 1994 1994 1994
Equivalence of Product Standards Certified By	Florida Licensed Professional Engineer or Architect FL27001_R3_Equiv_SS - Equiv Ltr ASTM E1886-1996.pdf	
Sections from the Code		
Product Approval Method	Method 1 Option D	

Date Submitted	08/01/2023
Date Validated	08/01/2023
Date Pending FBC Approval	08/03/2023
Date Approved	10/17/2023

Summary of Products

FL #	Model, Number or Name	Description
27001.1	Series MG500 Aluminum Outswing French 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: +130/-130 Other: See attached drawing 18-47F for installation instructions		Installation Instructions FL27001_R3_II_SS - MG-500 OS Door (LMI) - DWG 18-47F 2023.pdf Verified By: Jalal Farooq PE # 81223 Created by Independent Third Party: Yes Evaluation Reports FL27001_R3_AE_SS - MG-500 OS Door (LMI)-PAE 2023.pdf Created by Independent Third Party: Yes
27001.2	Series MG500-10 Aluminum Outswing French 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: +114/-114 Other: See attached drawing 20-51F for installation instructions.		Installation Instructions FL27001_R3_II_SS - MG-500-10 OS Door (LMI)-DWG 20-51F 2023.pdf Verified By: Jalal Farooq PE # 81223 Created by Independent Third Party: Yes Evaluation Reports FL27001_R3_AE_SS - MG-500-10 OS Door (LMI)-PAE 2023.pdf Created by Independent Third Party: Yes

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personal address, please provide the Department with an email address which can be made available to the public. To determine if you are a licensee under Chapter 455, F.S., please click [here](#).

Product Approval Accepts:



SERIES MG500-10

ALUMINUM OUTSWING ENTRANCE DOOR

SEE SHEETS 2 & 2.1 FOR DESIGN LOAD CAPACITY OF SINGLE AND DOUBLE DOORS WITHOUT TRANSOMS.

SEE SHEETS 3 & 4 FOR DESIGN LOAD CAPACITY OF SINGLE AND DOUBLE DOORS WITH TRANSOMS.

LOWER VALUES FROM DOOR CAPACITY OR TRANSOM CAPACITY CHART WILL APPLY.

DOORS CAN ALSO BE USED WITH MR. GLASS SERIES ES-9500 OR SERIES MG5000 WINDOW WALL SYSTEMS UNDER SEPARATE APPROVAL.

SEE SEPARATE APPROVALS FOR SERIES ES-9500 AND SERIES MG5000 WINDOW WALL DOOR MULLION CAPACITIES.

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

DOORS WITH HIGH THRESHOLD (ES-9026) APPROVED FOR INSTALLATIONS WHERE WATER INFILTRATION RESISTANCE IS REQUIRED.

STANDARD AND MEDIUM THRESHOLDS NOT APPROVED FOR WATER INFILTRATION RESISTANCE.

SEE SHEET 6 FOR DETAILS.

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.

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

GLASS D.L.O. DIMS.

D.L.O. HEIGHT (DOOR) = FRAME HEIGHT - 15.250" (STD. THRESHOLD)

D.L.O. HEIGHT (DOOR) = FRAME HEIGHT - 15.750" (MED. & HIGH THRESHOLDS)

D.L.O. WIDTH (DOOR) = FRAME WIDTH - 14.0625"

D.L.O. HEIGHT (9500 TRANSOM) = TRANSOM HEIGHT - 5"

D.L.O. WIDTH (9500 TRANSOM) = FRAME WIDTH - 7"

D.L.O. HEIGHT (ES-8000 TRANSOM) = TRANSOM HEIGHT - 5.5"

D.L.O. WIDTH (ES-8000 TRANSOM) = FRAME WIDTH - 5.5"

LEAF HEIGHT = FRAME HEIGHT - 2.938" (STD. THRESHOLD)

LEAF HEIGHT = FRAME HEIGHT - 2.438" (MED. & HIGH THRESHOLDS)

LEAF WIDTH = FRAME WIDTH - 5.188"

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

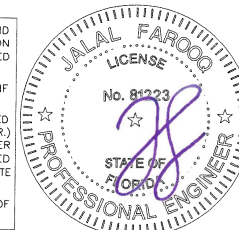
Sealed: 8/1/2023 FL #27001

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
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)
COMP-ANL\20-51F-MG

SERIES MG500-10 ALUM OUTSWING FRENCH 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

revisions:	no.	date	description	by
	A	07.22.20	UPDATED TO 2020 FBC	
	B	08.01.23	UPDATED TO 2023 FBC	

date:	08-08-20
scale:	-
dr. by:	TARIQ
chk. by:	

drawing no.
20-51F
sheet 1 of 21

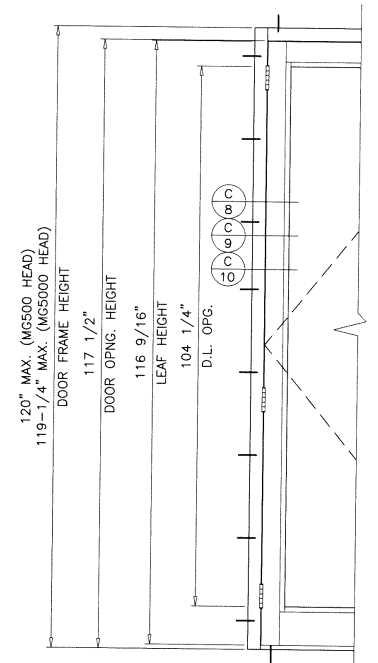
DOORS LOAD CAPACITY - PSF SINGLE DOORS (X)			
SINGLE DOOR (X) DIMS.		GLASS TYPE 'BB'	
DOOR OPNG. WIDTH	DOOR OPNG. HEIGHT	EXT.(+)	INT.(-)
38"	113-1/2"	114.0	114.0
41"	105-1/2"		

TABLE #J1		SINGLE DOOR JAMB ANCHORS LOAD CAPACITY - PSF								
SINGLE DOOR DIMS.		1/4" SHIM SPACE			3/8" SHIM SPACE			1/2" SHIM SPACE		
		SPACING AT 16" O.C.		AT 8" O.C.	SPACING AT 16" O.C.		AT 8" O.C.	SPACING AT 16" O.C.		AT 8" O.C.
		ANCHOR 'A'	ANCHOR 'C' & 'D'	ANCHOR 'A','C' & 'D'	ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'A' & 'C'	ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'A' & 'C'
DOOR OPNG. WIDTH	DOOR OPNG. HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
42"	108"	90.0	90.0	90.0	70.2	90.0	90.0	54.6	79.0	90.0
48"	117-1/2"	88.0	90.0	90.0	62.3	89.0	90.0	48.4	70.0	90.0
38"	113-1/2"	109.0	114.0	114.0	76.9	109.4	114.0	59.8	86.4	114.0
41"	105-1/2"	101.9	114.0	114.0	71.9	102.3	114.0	55.9	80.7	114.0

Technical drawing of a double door assembly with dimensions and labels:

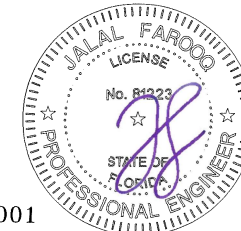
- Top Dimensions:**
 - 53" MAX. (MG500 JAMBS)
 - 51-1/2" (MG5000 JAMBS)
 - 50" MAX. (NARROW JAMBS)
 - DOOR FRAME WIDTH
 - 48"
 - DOOR OPNG. WIDTH
- Left Side Dimensions:**
 - 120" MAX. (MG5000 HEAD)
 - 119-1/4" MAX. (MG50000 HEAD)
 - DOOR FRAME HEIGHT
 - 117 1/2"
 - DOOR OPNG. HEIGHT
 - 117 1/16"
 - LEAF HEIGHT
 - 104 3/4"
 - D.L. OPG.
- Right Side Dimensions:**
 - 16" MAX. HEAD
 - 8" OR 16" SPACING (SEE TABLE #11 (BELOW) FOR CAPACITY)
 - 5 1/2" MAX. JAMB CORNERS
- Internal Labels and Dimensions:**
 - 4 1/2" MAX. HEAD/SILL CORNERS
 - Circle A 6
 - Circles C 8, C 9, C 10
 - Circles D 8, D 9, D 10
 - Circle B 6
 - 38 15/16"
 - D.L. OPG.
 - 47 13/16"
 - LEAF WIDTH
 - ACTIVE
 - SURFACE APPLIED FALSE MUNTINS MAY BE USED

TYPICAL ELEVATION
SINGLE (X) STD. THRESHOLD



MED. & HIGH THRESHOLDS
SINGLE (X) & DOUBLE (XX) DOORS

Sealed: 8/1/2023



FL #27001

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
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TEL. (305) 264-8100 FAX. (305) 262-6978

SERIES MG500-10 ALUM. OUTSWING FRENCH DOOR (L.M.I.)

MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
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date:	06-08-20	revisions:							
scale:	1/2"=1'-0"	no.							
dr. by:	TARIQ	description							
chk. by:									

drawing no. 20-51F
sheet 2 of 21

DOORS LOAD CAPACITY - PSF DOUBLE DOORS (XX)			
DOUBLE DOOR (XX) DIMS.		GLASS TYPES 'A' & 'Ai'	
DOOR OPNG. WIDTH	DOOR OPNG. HEIGHT	EXT.(+)	INT.(-)
84"	108"	90.0	90.0

DOORS LOAD CAPACITY - PSF DOUBLE DOORS (XX)			
DOUBLE DOOR (XX) DIMS.		GLASS TYPES 'B' & 'Bi'	
DOOR OPNG. WIDTH	DOOR OPNG. HEIGHT	EXT.(+)	INT.(-)
96"	117-1/2"	90.0	90.0

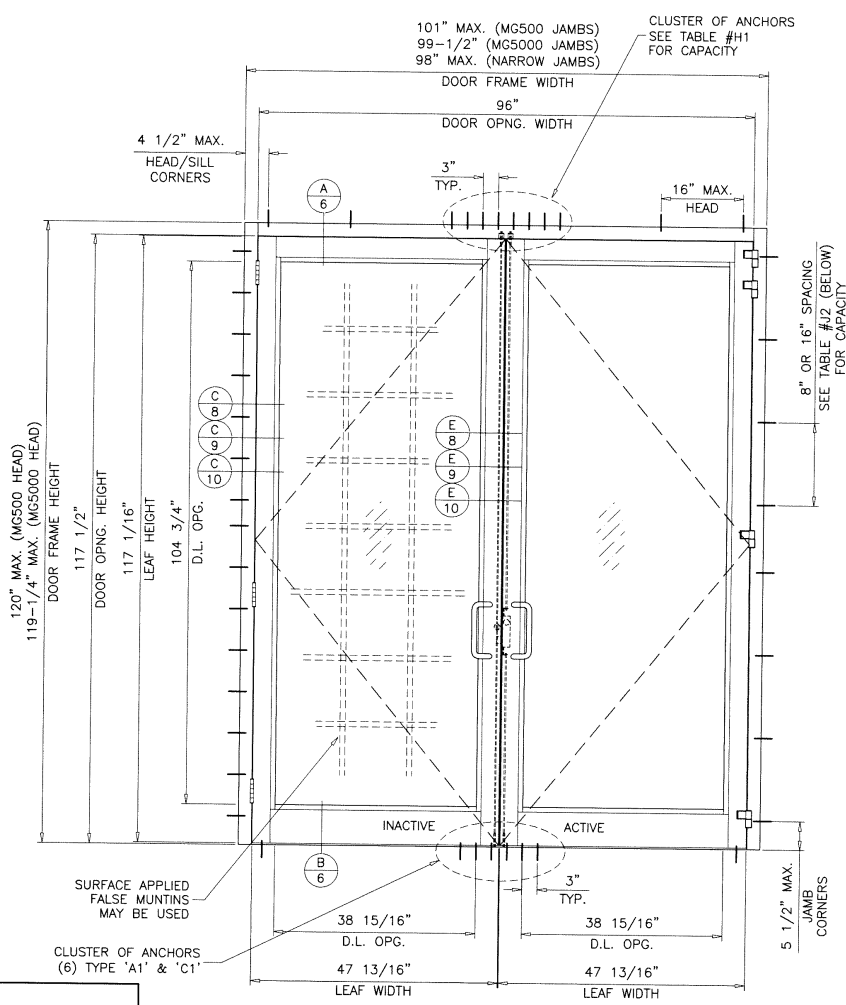
DOORS LOAD CAPACITY - PSF DOUBLE DOORS (XX)			
DOUBLE DOOR (XX) DIMS.		GLASS TYPE 'BB'	
DOOR OPNG. WIDTH	DOOR OPNG. HEIGHT	EXT.(+)	INT.(-)
75-7/8"	113-1/2"	114.0	114.0
81-7/8"	105-1/2"		

TABLE #J2		DOUBLE DOOR JAMB ANCHORS LOAD CAPACITY - PSF									
DOUBLE DOOR DIMS.		1/4" SHIM SPACE		3/8" SHIM SPACE				1/2" SHIM SPACE			
		SPACING AT 16" O.C.		AT 8" O.C.		AT 16" O.C.		AT 8" O.C.		AT 16" O.C.	
		ANCHOR 'A', 'C' & 'D'	ANCHOR 'A', 'C', 'D'	ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'A' & 'C'	ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'A' & 'C'	ANCHOR 'A'	ANCHOR 'C'
DOOR OPNG. WIDTH	DOOR OPNG. HEIGHT	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)	EXT.(+) INT.(-)
84"	108"	90.0	90.0	74.2	90.0	90.0	57.7	83.0	90.0		
96"	117-1/2"	90.0	90.0	65.4	90.0	90.0	50.8	73.0	90.0		
75-7/8"	113-1/2"	114.0	114.0	81.6	114.0	114.0	63.5	91.7	114.0		
81-7/8"	105-1/2"	107.7	114.0	76.0	108.2	114.0	59.1	85.4	114.0		

SEE SHEET 7 FOR ANCHOR DESCRIPTION

TABLE #H1		DOUBLE DOOR HEAD ANCHORS LOAD CAPACITY - PSF												
DOOR DIMS.		1/4" SHIM SPACE			3/8" SHIM SPACE				1/2" SHIM SPACE					
		CLUSTER OF 6			CLUSTER OF 8		CLUSTER OF 6		CLUSTER OF 8		CLUSTER OF 6		CLUSTER OF 8	
		ANCHOR 'A', 'C' & 'D'	ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'A'	ANCHOR 'C'
DOOR OPNG. WIDTH	DOOR OPNG. HEIGHT	EXT.(+) INT.(−)	EXT.(+) INT.(−)	EXT.(+) INT.(−)	EXT.(+) INT.(−)	EXT.(+) INT.(−)	EXT.(+) INT.(−)	EXT.(+) INT.(−)	EXT.(+) INT.(−)	EXT.(+) INT.(−)	EXT.(+) INT.(−)	EXT.(+) INT.(−)	EXT.(+) INT.(−)	
84"	108"	90.0	75.2	90.0	75.2	90.0	90.0	90.0	58.5	90.0	75.2	90.0		
96"		90.0	66.2	90.0	66.3	90.0	85.2	90.0	51.5	80.0	66.2	90.0		
84"	117-1/2"	90.0	69.2	90.0	69.2	90.0	89.0	90.0	53.8	78.0	69.2	90.0		
96"		90.0	61.0	90.0	61.0	90.0	78.4	90.0	47.4	72.0	61.0	90.0		
75-7/8"	113-1/2"	111.7	114.0	114.0	78.8	112.2	101.3	114.0	61.3	88.5	78.8	113.8		
81-7/8"	105-1/2"	111.7	114.0	114.0	78.8	112.2	101.3	114.0	61.3	88.5	78.8	113.8		

SEE SHEET 7 FOR ANCHOR DESCRIPTION



TYPICAL ELEVATION
DOUBLE (XX) STD. THRESHOLD

Sealed: 8/1/2023

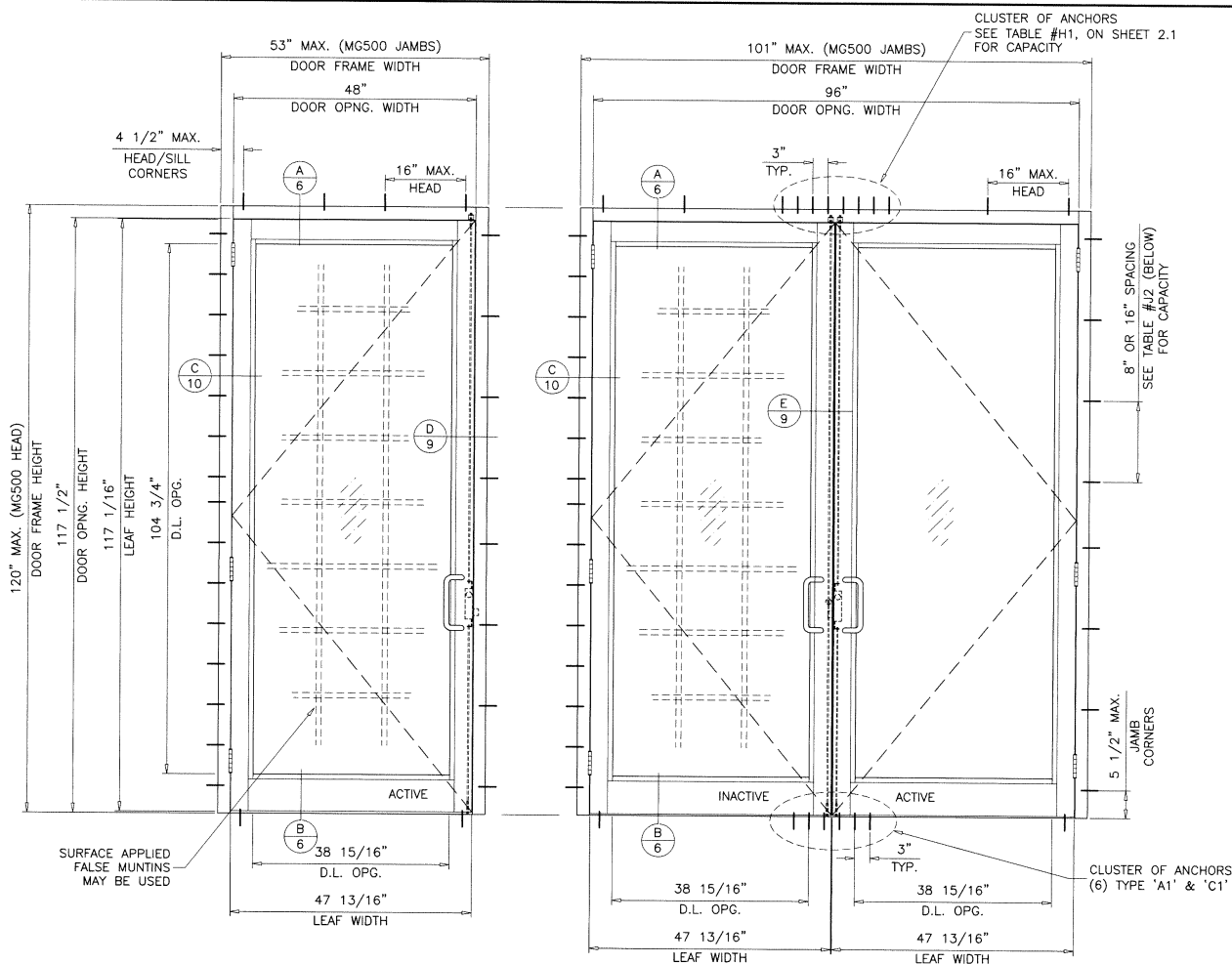


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date:	06-08-20	scale:	1/2"=1'-0"	
dr. by:	JARQ	chk. by:		
drawing no.	20-51F			
sheet	2.1 of 21			



TYPICAL ELEVATION
SINGLE (X) STD. THRESHOLD

TYPICAL ELEVATION
DOUBLE (XX) STD. THRESHOLD

GLASS TYPES 'E' & 'Ei'

MAXIMUM DESIGN LOAD RATING = + 90.0 PSF
- 90.0 PSF

(ONLY FOR DOOR SIZES SHOWN ON THIS SHEET OR SMALLER)

THESE FRAMES CAN BE USED AT ALL SUBSTRATES SHOWN
ON SHEETS 6, 7 AND 9.

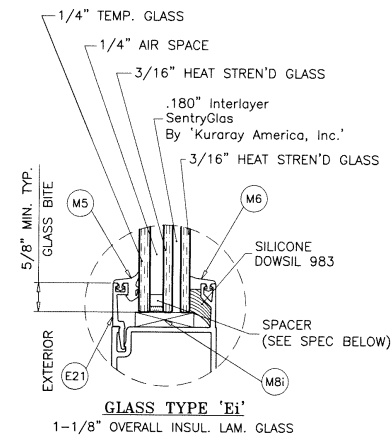
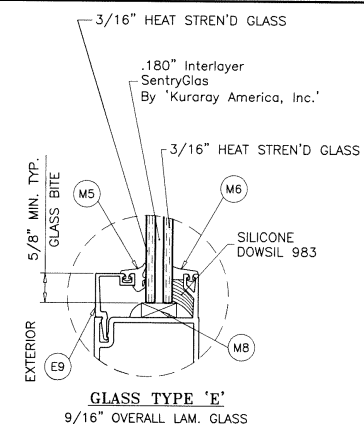
DOOR LOCKS OPTION #1 SHOWN ON SHEET 15.
DOOR HINGES OPTION #1 SHOWN ON SHEET 16.

GLAZING OPTIONS (LEVEL 'E' IMPACT)
DOOR LEAF

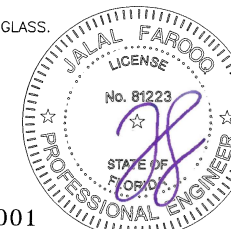
1/4" AIR SPACE CONSISTING OF:

SPACER:
'HELIUM' LOW PROFILE ALUMINUM SPACER
BY 'LINGERMANN GMBH'
AROUND THE PERIMETER OF THE GLASS.
PERIMETER SEALANT:
SILICONE
DOWSIL 791
GE 2000

Sealed: 8/1/2023



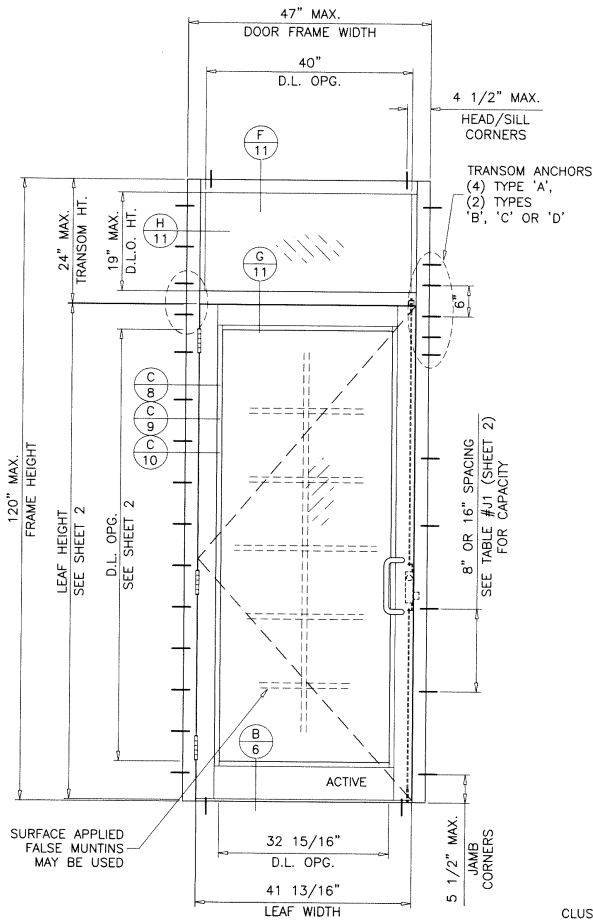
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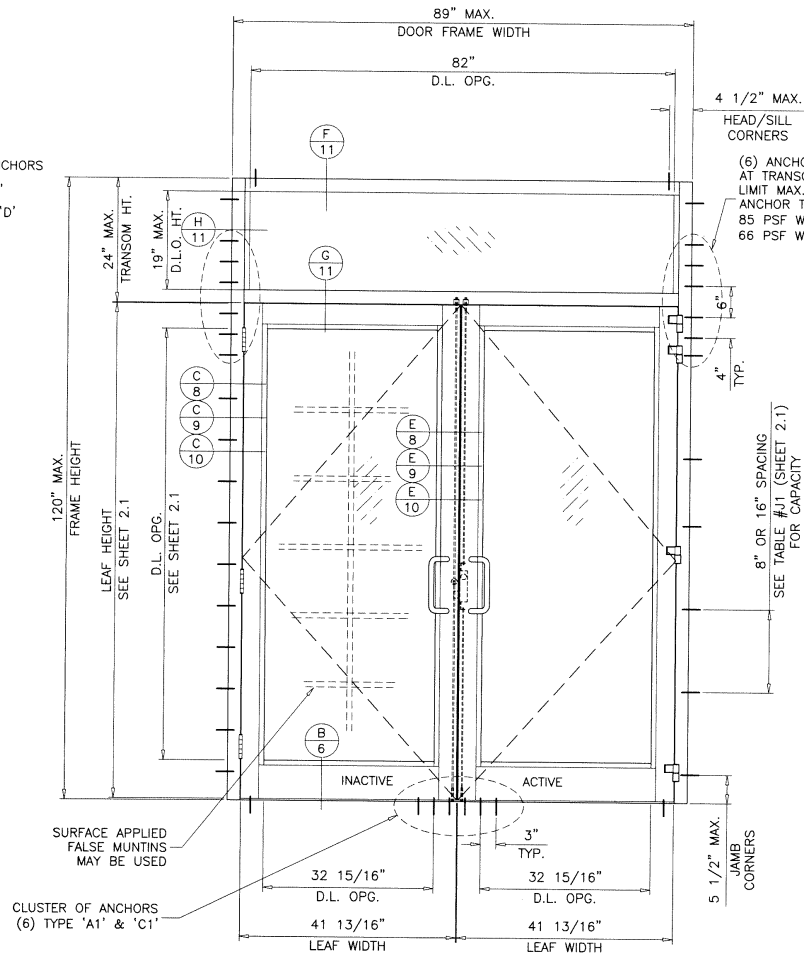
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date:	06-08-20	scale:	1/2"=1'-0"	
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drawing no.	20-51F	sheet	2.2 of 21	



TYPICAL ELEVATION
SINGLE (O/X) STD. THRESHOLD
(ES-9500 TRANSOM)

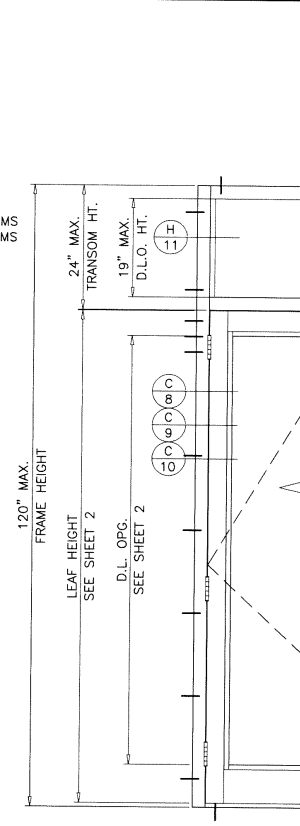
SINGLE DOORS WITH TRANSOM (O/X) CAPACITY - PSF				
GLASS TYPES 'A', 'Ai' & 'B', 'Bi' (DOOR)				
GLASS TYPES 'A', 'B' & 'Ci' (TRANSOM)				
FRAME WIDTH	DOOR HEIGHT	TRANSOM HEIGHT	EXT.(+)	INT.(-)
47\"	108\"	12\"	90.0	90.0
(X)				

SEE SHEETS 2 AND 2.1 FOR DOOR GLASS OPTIONS



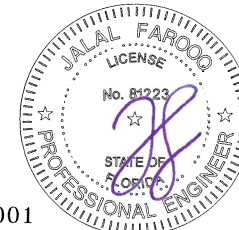
TYPICAL ELEVATION
DOUBLE (O/XX) STD. THRESHOLD
(ES-9500 TRANSOM)

DOUBLE DOORS WITH TRANSOM (O/XX) CAPACITY - PSF				
GLASS TYPES 'A', 'Ai' & 'B', 'Bi' (DOOR)				
GLASS TYPES 'A', 'B' & 'Ci' (TRANSOM)				
FRAME WIDTH	DOOR HEIGHT	TRANSOM HEIGHT	EXT.(+)	INT.(-)
89\"	108\"	12\"	90.0	90.0
(XX)				



MED. & HIGH THRESHOLDS
SINGLE (X) & DOUBLE (XX) DOORS

Sealed: 8/1/2023



FL #27001

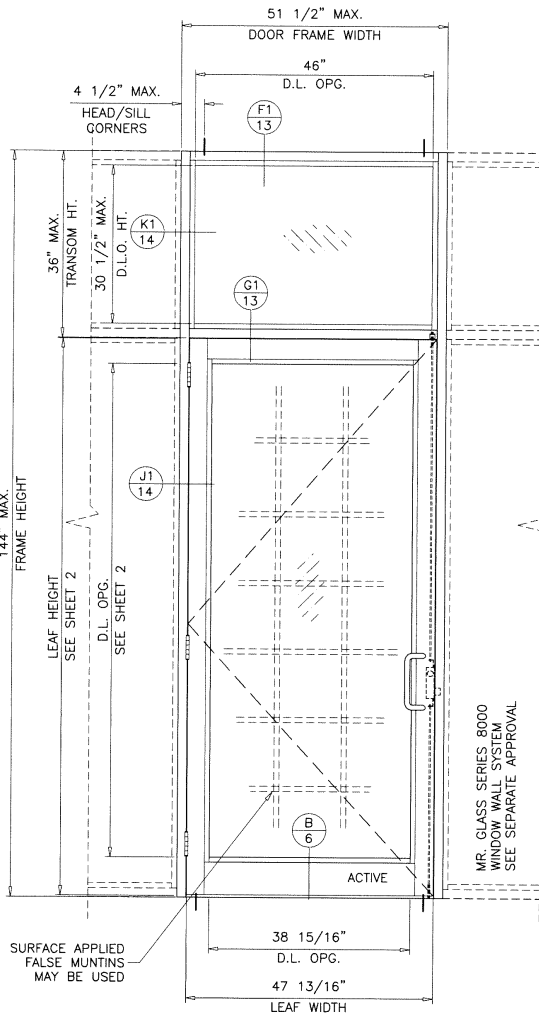
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)
COMP-ANL\20-51F-WG

SERIES M6500-10 ALUM. OUTSWING FRENCH 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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chk. by:

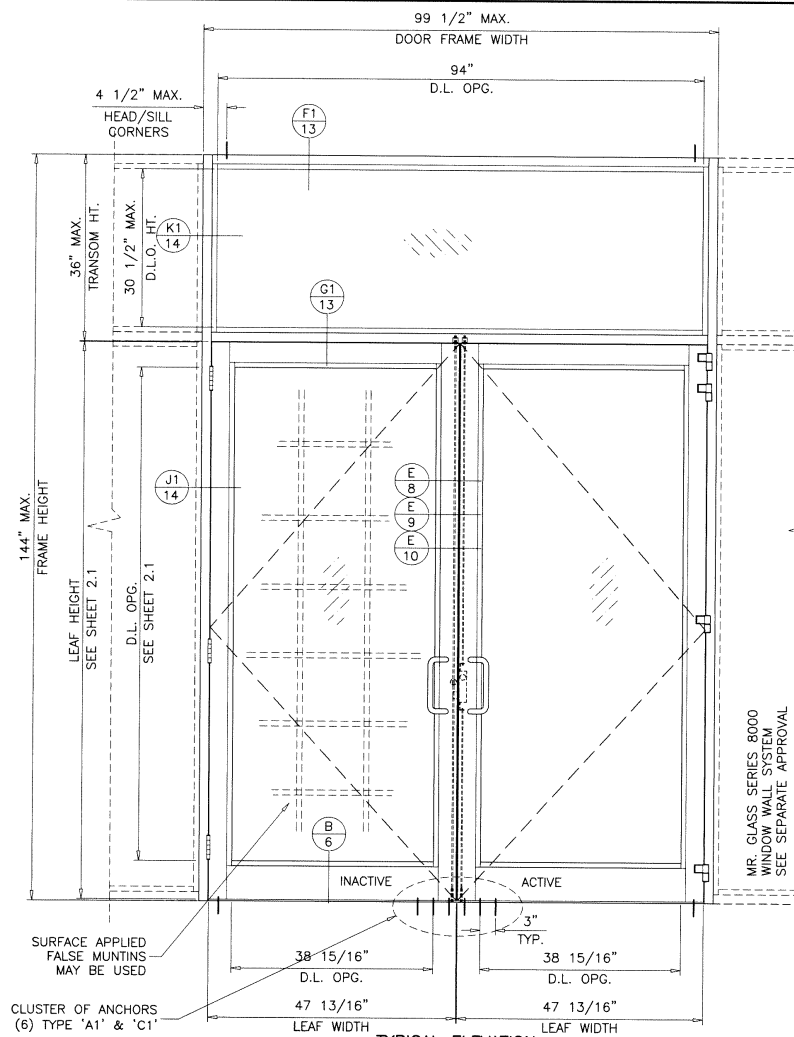
drawing no.
20-51F
sheet 3 of 21



TYPICAL ELEVATION
SINGLE (O/X) STD. THRESHOLD
(MG5000 TRANSOM)

SINGLE DOORS WITH TRANSOM (O/X) CAPACITY - PSF GLASS TYPE 'B' (TRANSOM)				
FRAME WIDTH	DOOR HEIGHT	TRANSOM HEIGHT	WITHOUT REINF.	
			EXT.(+)	INT.(-)
51-1/2" (X)	108"	12"	90.0	90.0
		18"	90.0	90.0
		24"	90.0	90.0
		30"	90.0	90.0
		36"	90.0	90.0

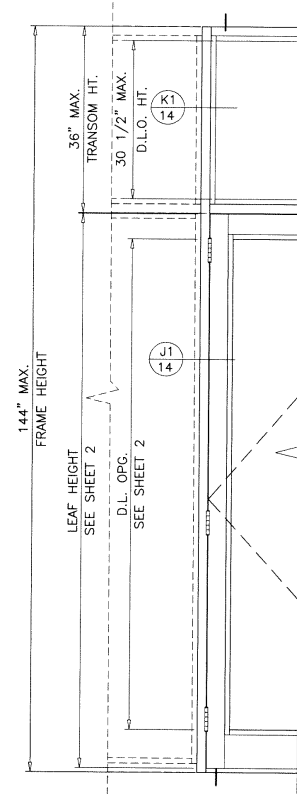
SEE SHEETS 2 AND 2.1
FOR DOOR GLASS OPTIONS



TYPICAL ELEVATION
DOUBLE (O/XX) STD. THRESHOLD
(MG5000 TRANSOM)

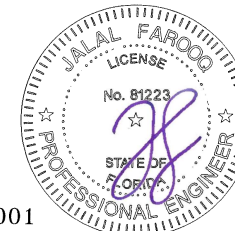
DOUBLE DOORS WITH TRANSOM (O/XX) CAPACITY - PSF GLASS TYPE 'B' (TRANSOM)				
FRAME WIDTH	DOOR HEIGHT	TRANSOM HEIGHT	WITH REINF.	
			EXT.(+)	INT.(-)
99-1/2" (XX)	108"	12"	90.0	90.0
		18"	90.0	90.0
		24"	90.0	90.0
		30"	90.0	90.0
		36"	90.0	90.0

SEE SHEET 12
FOR REINF. DETAIL



MED. & HIGH THRESHOLDS
SINGLE (X) & DOUBLE (XX) DOORS

Sealed: 8/1/2023



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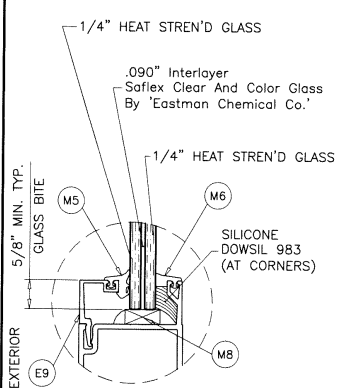
SERIES MG500-10 ALUM OUTSWING FRENCH DOOR (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

drawings: 20-51F

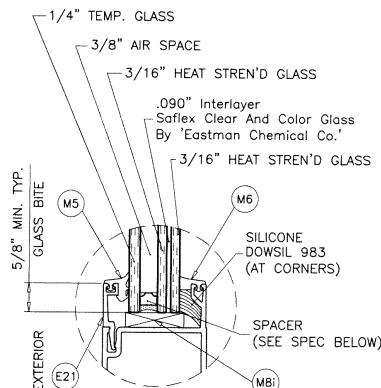
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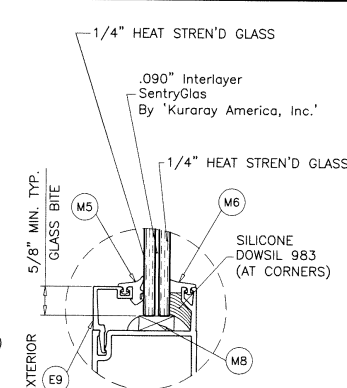
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sheet 4 of 21



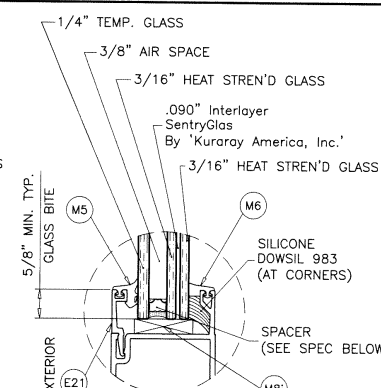
GLASS TYPE 'A'
9/16" OVERALL LAM. GLASS



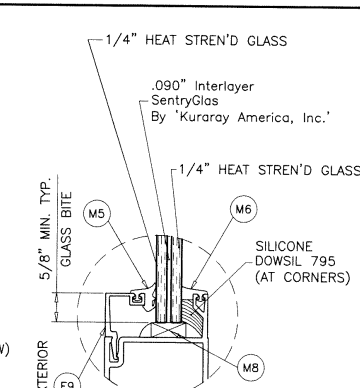
GLASS TYPE 'Ai'
1-1/8" OVERALL INSUL. LAM. GLASS



GLASS TYPE 'B'
9/16" OVERALL LAM. GLASS

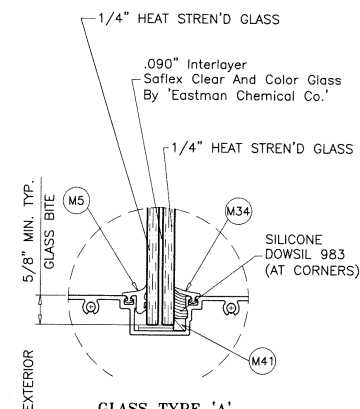
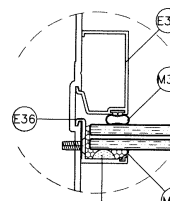
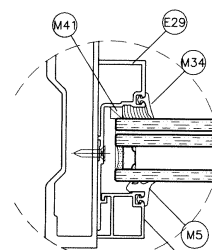
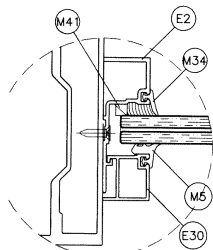


GLASS TYPE 'Bi'
1-1/8" OVERALL INSUL. LAM. GLASS

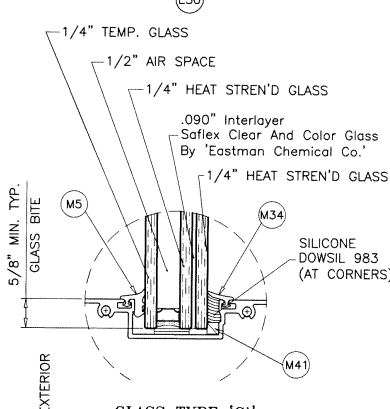


GLASS TYPE 'BB'
9/16" OVERALL LAM. GLASS

GLAZING OPTIONS (LEVEL 'D' IMPACT)
DOOR LEAF

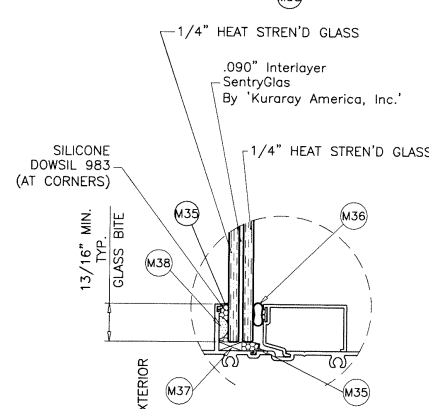


GLASS TYPE 'A'
9/16" OVERALL LAM. GLASS



GLASS TYPE 'Ci'
1-5/16" OVERALL INSUL. LAM. GLASS

GLAZING OPTIONS (LEVEL 'D' IMPACT)
TRANSOM (ES-9500)

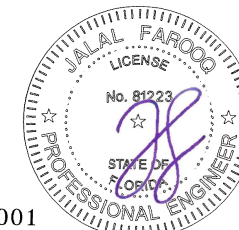


GLASS TYPE 'B'
9/16" OVERALL LAM. GLASS

GLAZING DETAIL (LEVEL 'D' IMPACT)
TRANSOM (ES-8000)

3/8" & 1/2" AIR SPACE CONSISTING OF:
SPACER:
'HELIMA' LOW PROFILE ALUMINUM SPACER
BY 'LINGERMANN GMBH'
AROUND THE PERIMETER OF THE GLASS.
PERIMETER SEALANT:
SILICONE
DOWSIL 791
GE 2000

Sealed: 8/1/2023

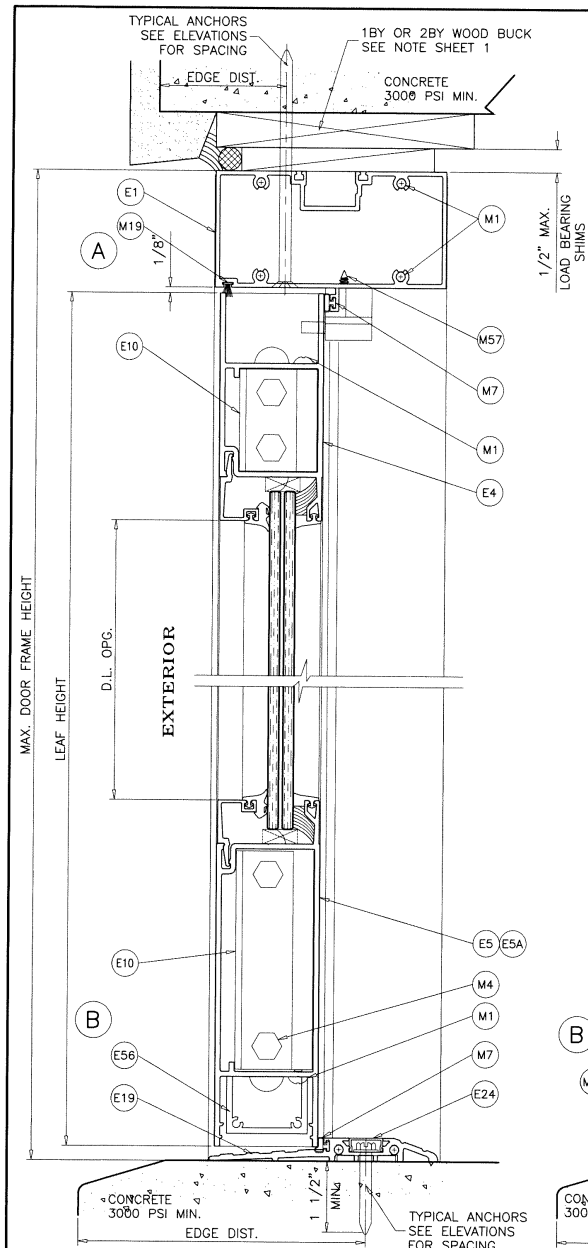


FL #27001

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MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

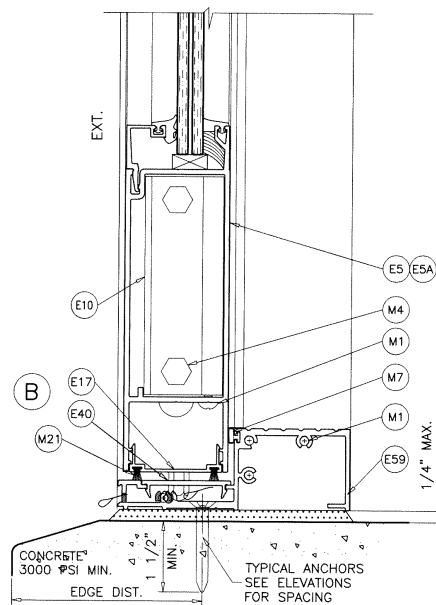
SERIES M500-10 ALUM OUTSWING FRENCH DOOR (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:		drawing no.	
no.	date	by	description
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		chk. by:	
		20-51F	
		sheet 5 of 21	



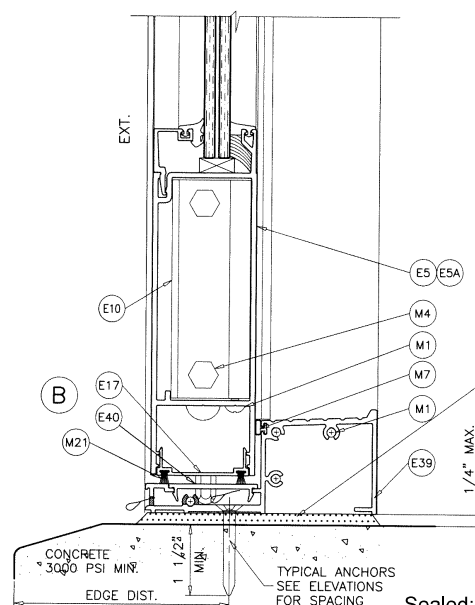
STANDARD THRESHOLD

NOT APPROVED FOR WATER INFILTRATION RESISTANCE



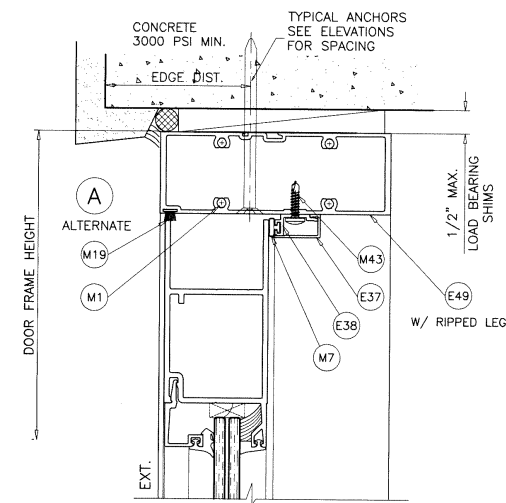
MEDIUM THRESHOLD

NOT APPROVED FOR WATER INFILTRATION RESISTANCE



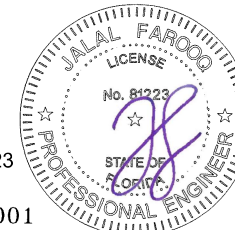
HIGH THRESHOLD

APPROVED FOR WATER INFILTRATION RESISTANCE



**DOOR HEAD
SERIES MG5000 FRAME OPTION**

HIGH STRENGTH GROUT
POURED & HARDENED
f'c = 5000 PSI MIN.
NOT BY 'MR. GLASS'
MUST TRANSFER SHEAR
LOADS TO STRUCTURE



Sealed: 8/1/2023

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COMP-ANL\20-51F-MG

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20-51F

revisions:		no	date	by	description

date: 06-08-20
scale: 3/8" = 1"
dr. by: JARQ
chk. by:

drawing no.
20-51F
sheet 6 of 21

1X OR 2X WOOD BUCKS AND METAL STRUCTURES NOT BY 'MR. GLASS'
MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND
TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE 'A'- 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (THRU 2BY BUCKS) (JAMBS)
1-3/4" MIN. EMBED INTO GROUT FILLED BLOCKS (THRU 1BY BUCKS) (JAMBS)
DIRECTLY INTO CONCRETE OR BLOCKS
2" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
2" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES

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

TYPE 'C'- 5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
THRU 1BY OR 2BY WOOD BUCKS INTO CONCRETE OR BLOCKS
1-1/4" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
1-1/4" MIN. EMBED INTO BLOCKS (THRU 2BY BUCKS) (JAMBS)
1-3/4" MIN. EMBED INTO GROUT FILLED BLOCKS (THRU 1BY BUCKS) (JAMBS)
DIRECTLY INTO CONCRETE OR BLOCKS
2" MIN. EMBED INTO CONCRETE (HEAD/JAMBS)
2" MIN. EMBED INTO GROUT FILLED BLOCKS (JAMBS)

ANCHOR EDGE DISTANCES

INTO CONCRETE AND BLOCKS = 3-1/8" MIN.
INTO WOOD STRUCTURE = 1-1/4" MIN.

TYPE 'D' - 1/4" TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS)
 INTO F.B.C. APPROVED MULLIONS
 OR
 INTO METAL STRUCTURES (HEAD/JAMBS)
 (3) THREADS MIN. PENETRATION BEYOND SUBSTRATE
 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)

ANCHOR EDGE DISTANCES

INTO METAL STRUCTURE = 1/2" MIN.

TYPE 'A1'- 1/4" X 1-3/4" ULTRACON+ BY 'DEWALT' (Fu=164 KSI, Fy=148 KSI)
DIRECTLY INTO CONCRETE (FOR STD. AND HIGH THRESHOLD)
WITH 1-1/2" MIN. EMBED INTO CONCRETE

ANCHOR EDGE DISTANCES

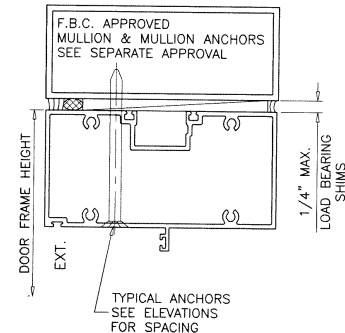
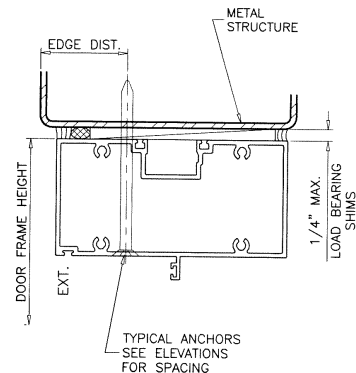
INTO CONCRETE = 2-1/2" MIN.

TYPE 'C1' - 5/16" X 2" ULTRACON BY 'DEWALT' (Fu=177 KSI, Fy=155 KSI)
DIRECTLY INTO CONCRETE (FOR SADDLE THRESHOLD)
WITH 1-1/2" MIN. EMBED INTO CONCRETE

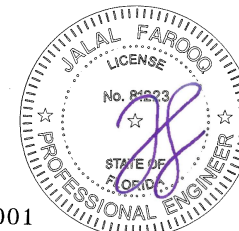
ANCHOR EDGE DISTANCES

INTO CONCRETE = 3-1/8" MIN.

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



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FL #27001

AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
33260 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
(C.A.N. 3538)
TEL. (305) 264-8100 FAX. (305) 262-6978

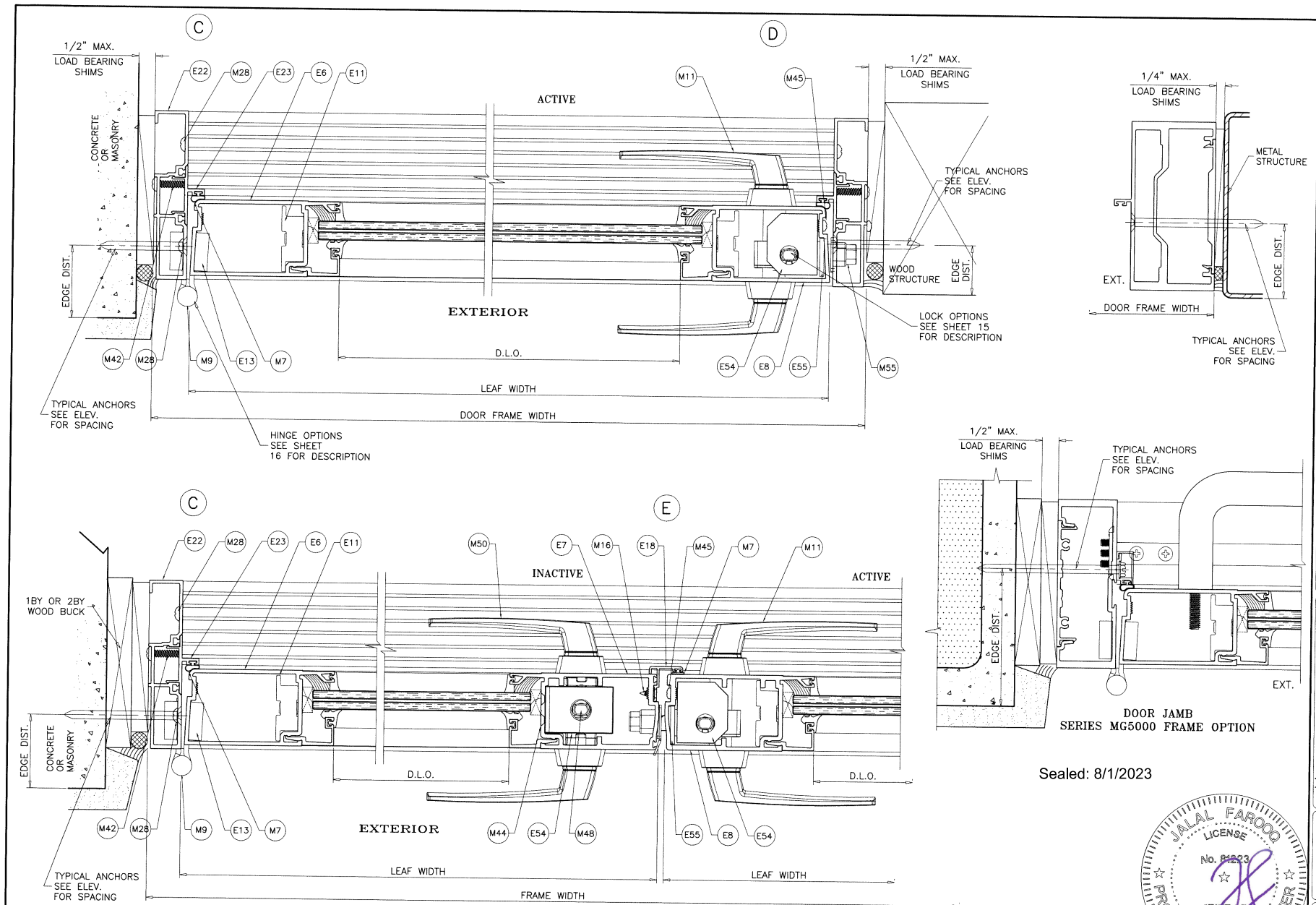
SERIES MG500-10 ALUM. OUTSWING FRENCH DOOR (L.M.I.).

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

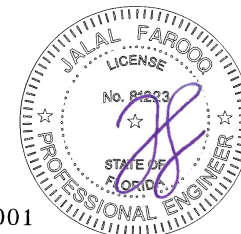
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chk. by:			

drawing no. 20-51F

sheet 7 of 21



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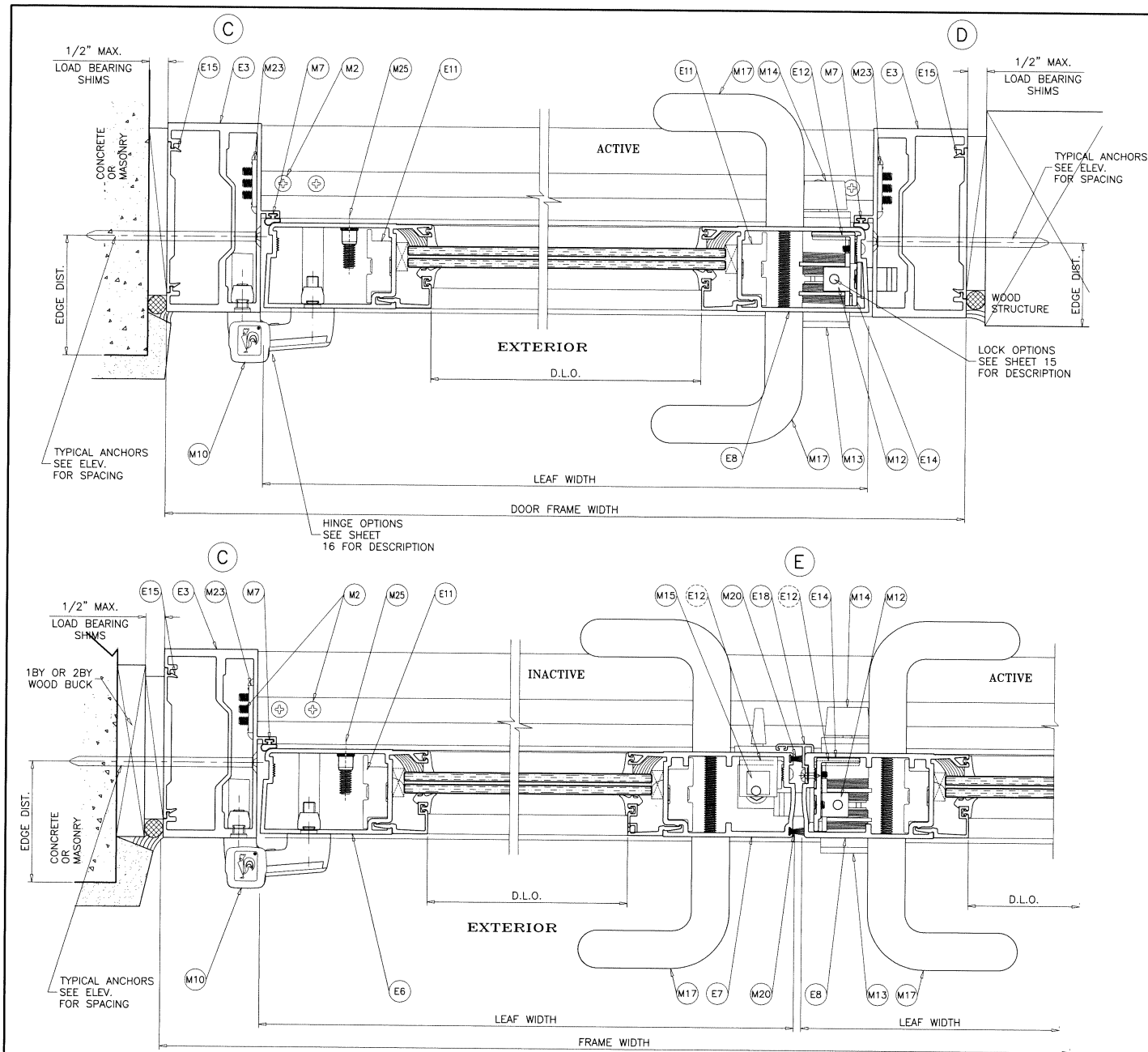
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

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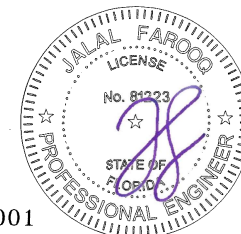
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drawing no.
20-51F
sheet 8 of 21



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9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
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COMP-ANL20-51F-MG

a f c

SERIES M6500-10 ALUM. OUTSWING FRENCH DOOR (L.M.I.)

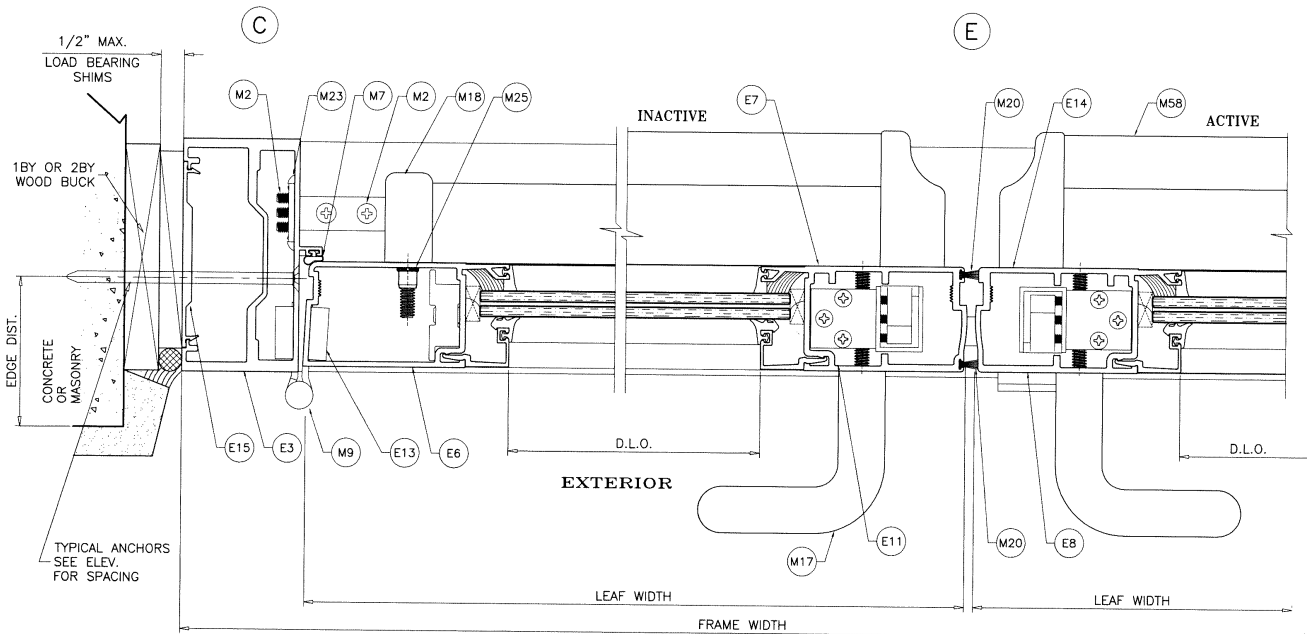
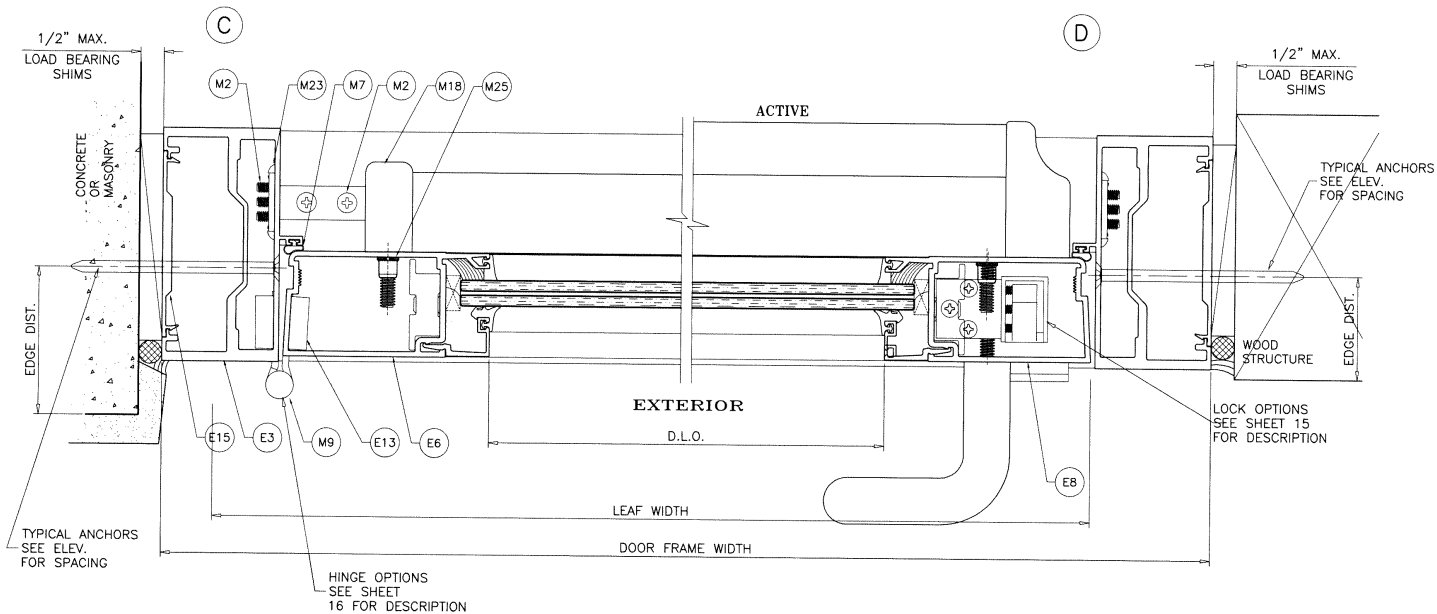
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL 33166
Tel. (305) 764-3963 Fax (305) 470-8285

revisions:

no.	date	by description

date: 06-08-20
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drawing no.
20-51F
sheet 9 of 21



Sealed: 8/1/2023

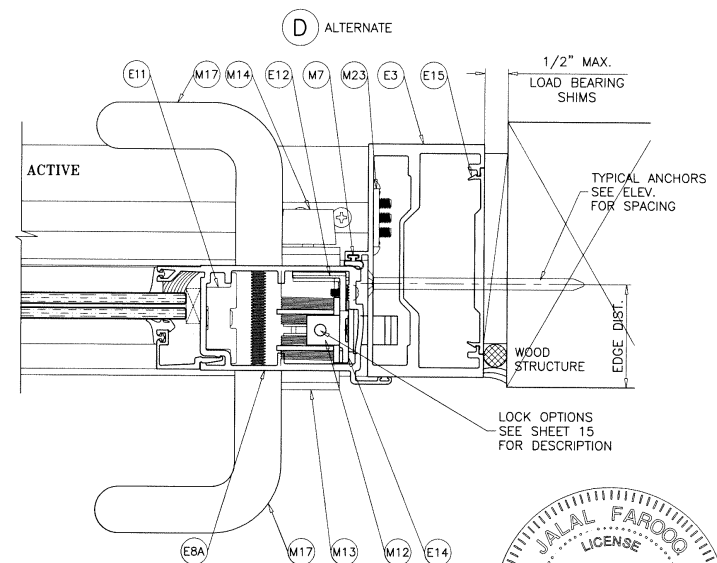
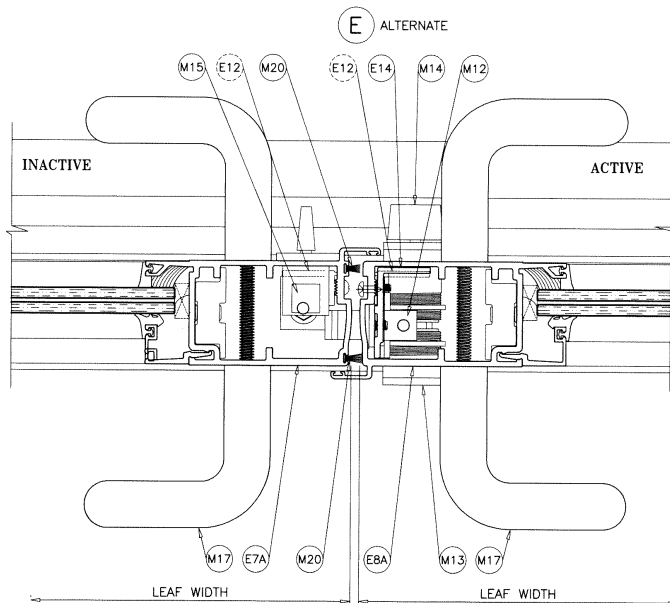
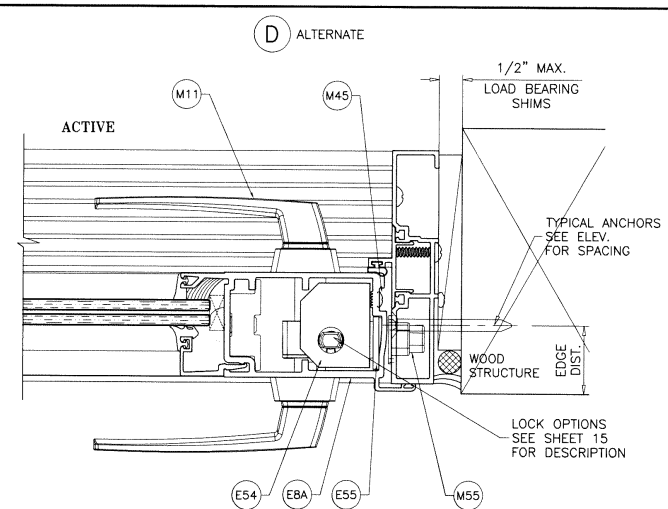
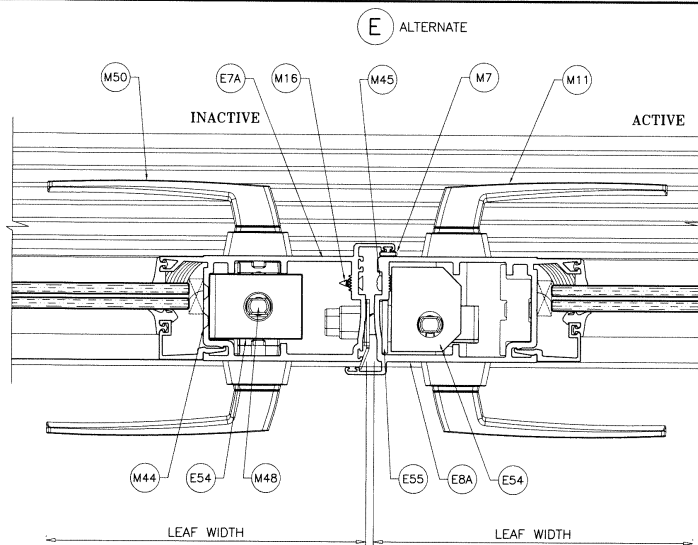
FL #27001



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AL-FAROOQ CORPORATION
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 9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978
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 8051 N.W. 79th Place
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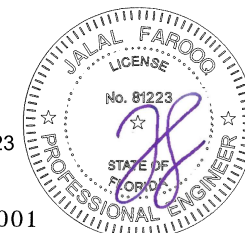
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drawing no.	20-51F		
sheet	10 of 21		



ALT. MEETING STILES NOT APPROVED FOR DOORS
WITH PANIC EXIT DEVICES.

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C-4-N-3538

SERIES MC500-10 ALUM OUTSWING FRENCH DOOR (L.M.I.)
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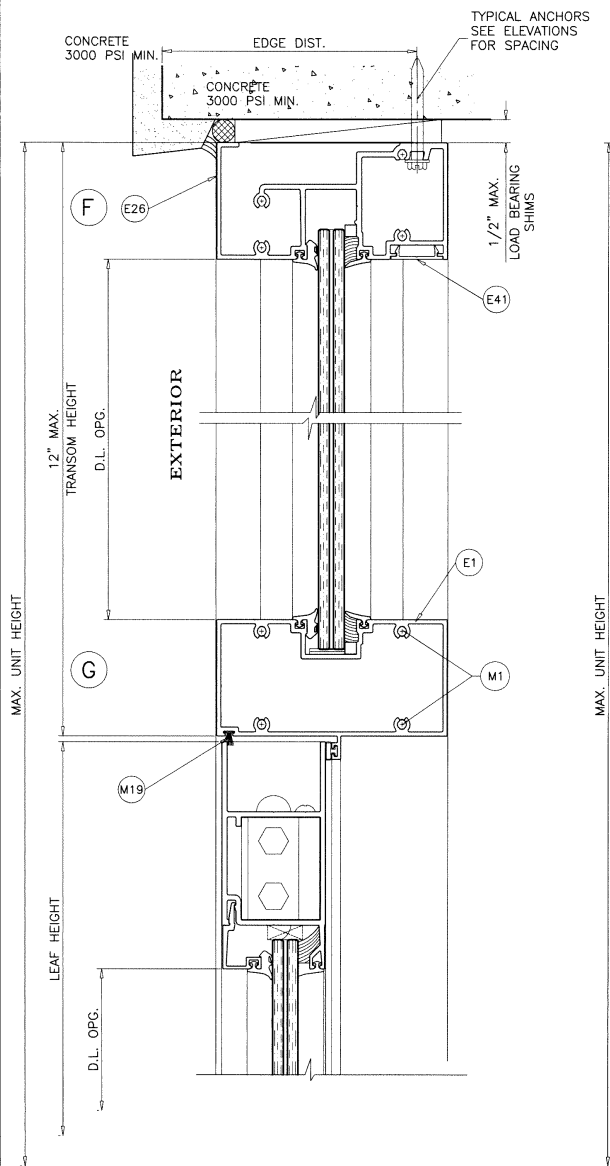
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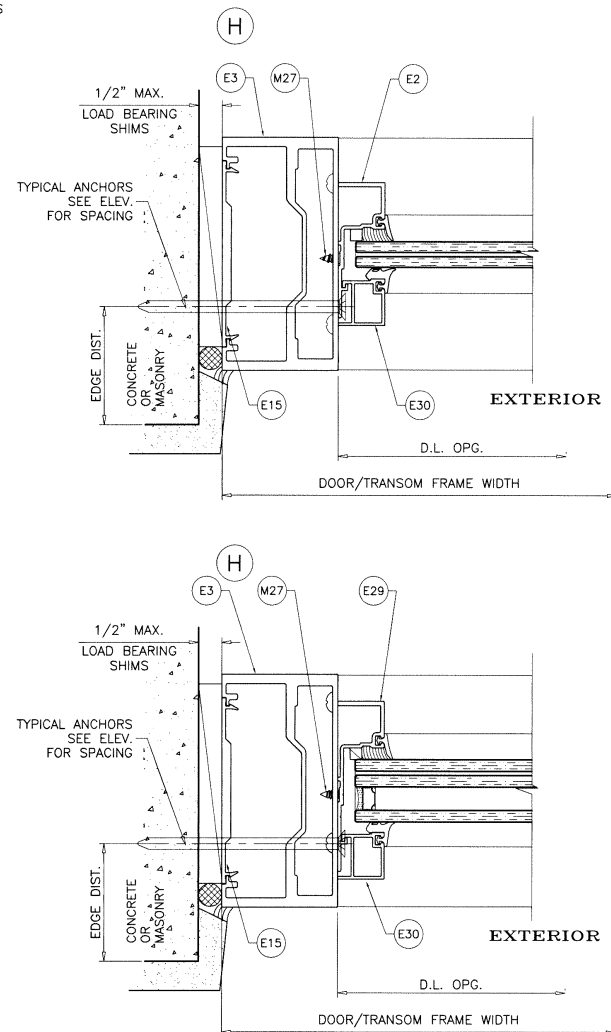
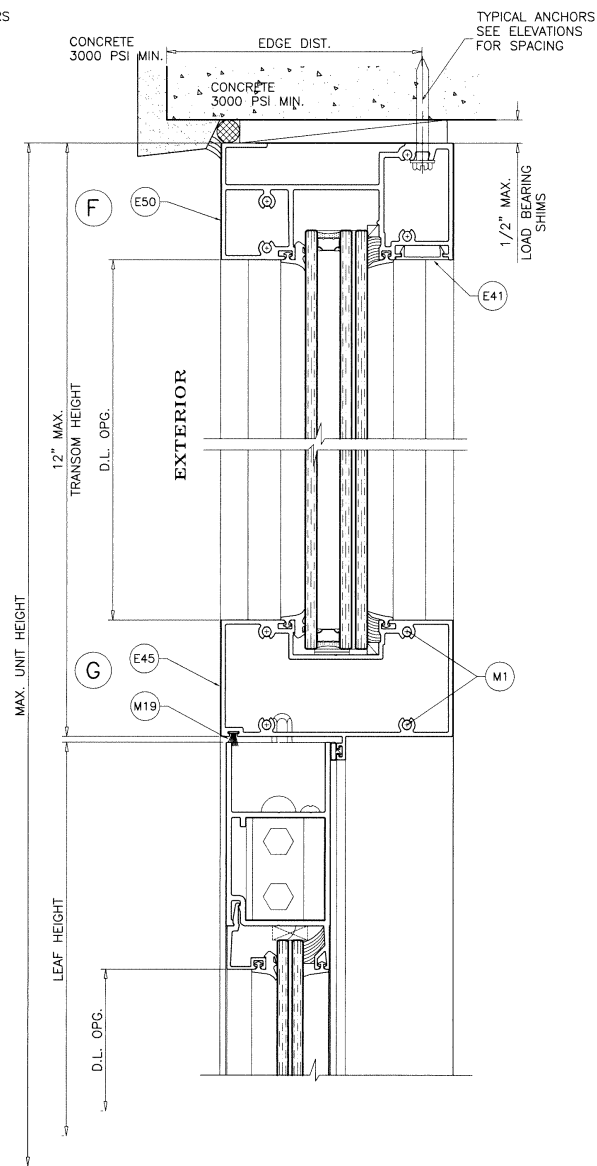
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sheet 10.1 of 21

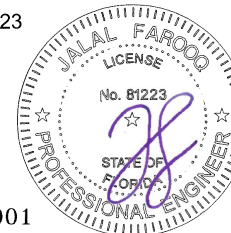
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TRANSOM
ES-9500 FRAMES



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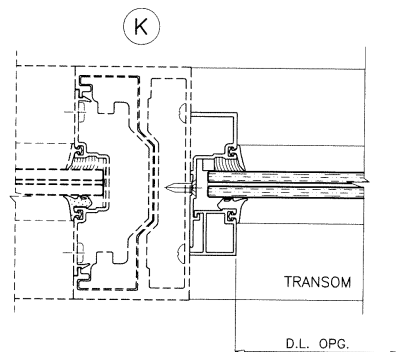
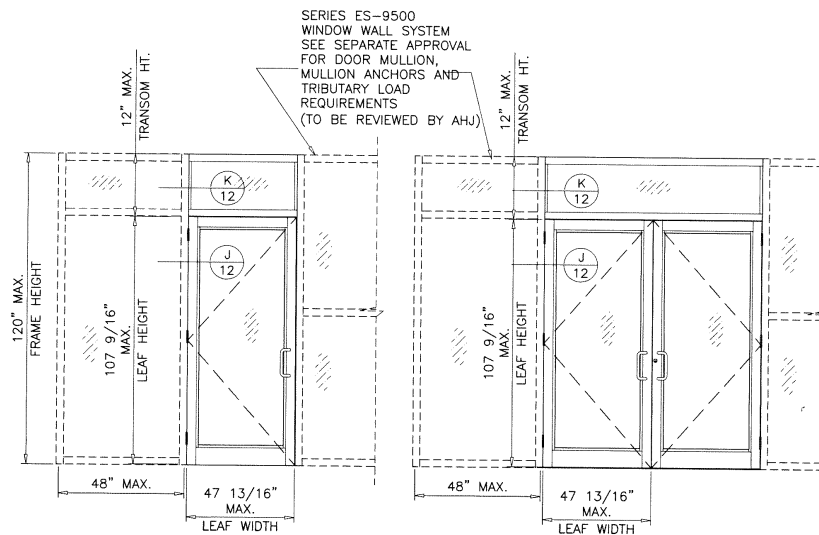
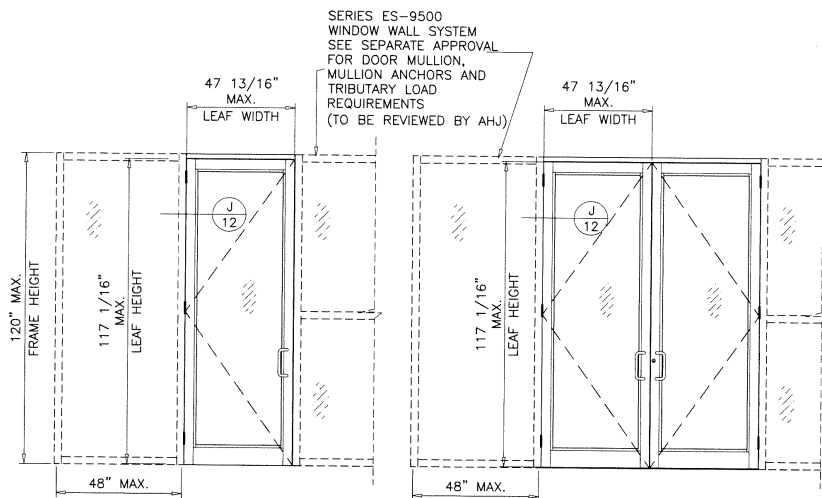
COMP-ANL\20-51F-MG

SERIES M500-10 ALUM OUTSWING FRENCH DOOR (L.M.I.)
MP-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

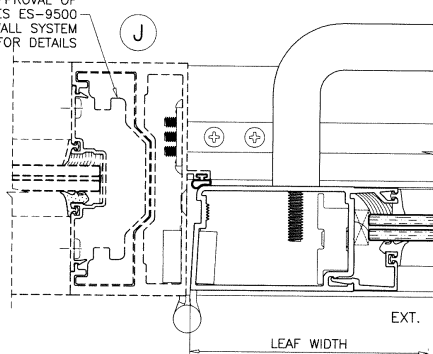
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20-51F
sheet 11 of 21



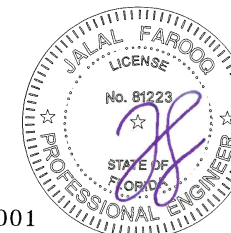
REINFORCING WILL VARY
SEE CURRENT APPROVAL OF
SERIES ES-9500
WINDOW WALL SYSTEM
FOR DETAILS



F.B.C. APPROVED
SERIES ES-9500 WINDOW WALL SYSTEM
UNDER SEPARATE APPROVAL.

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

Sealed: 8/1/2023



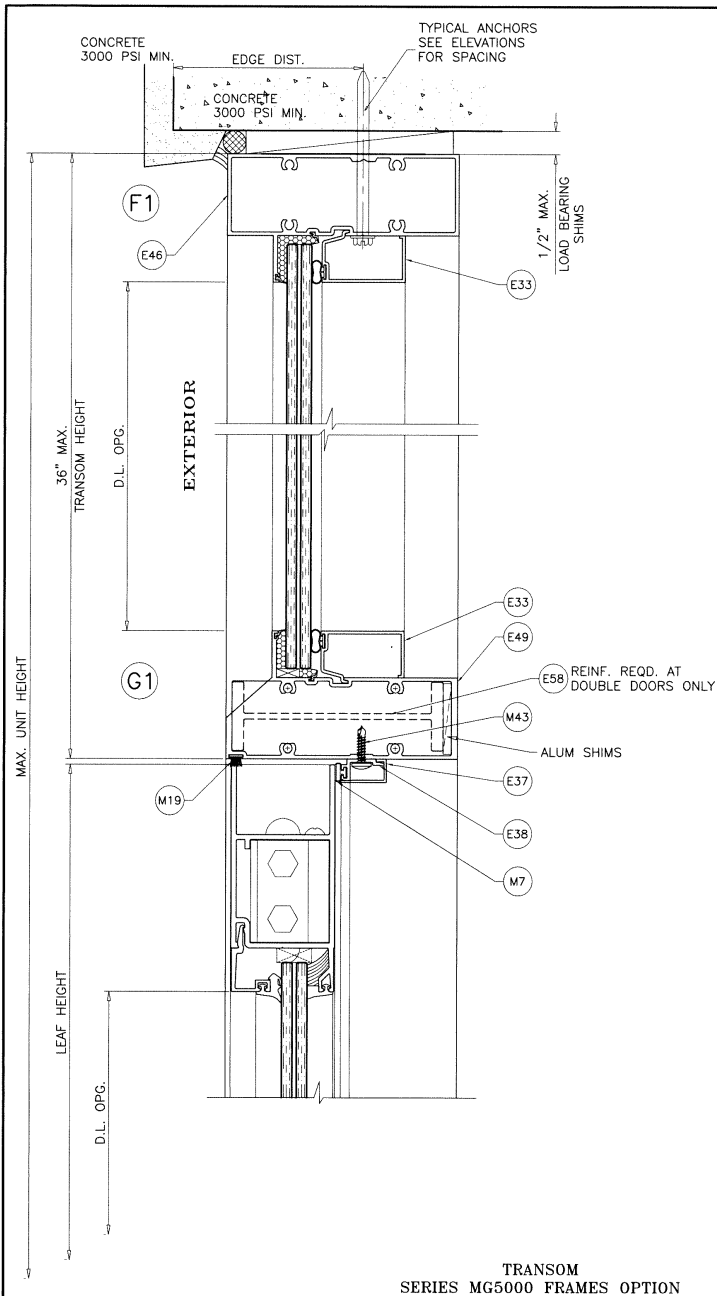
FL #27001

af c
AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220 (C.A.N. 3538)
MIAMI, FLORIDA 33173
TEL (305) 264-8100 FAX (305) 262-6978
COMP-ANL-20-51F-MC

SERIES MC500-10 ALUM OUTSWING FRENCH 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

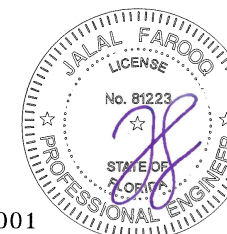
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no.	date	by description
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20-51F
sheet 12 of 21

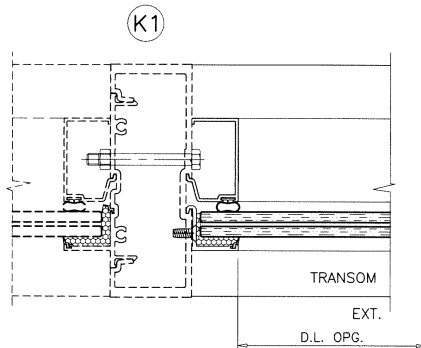
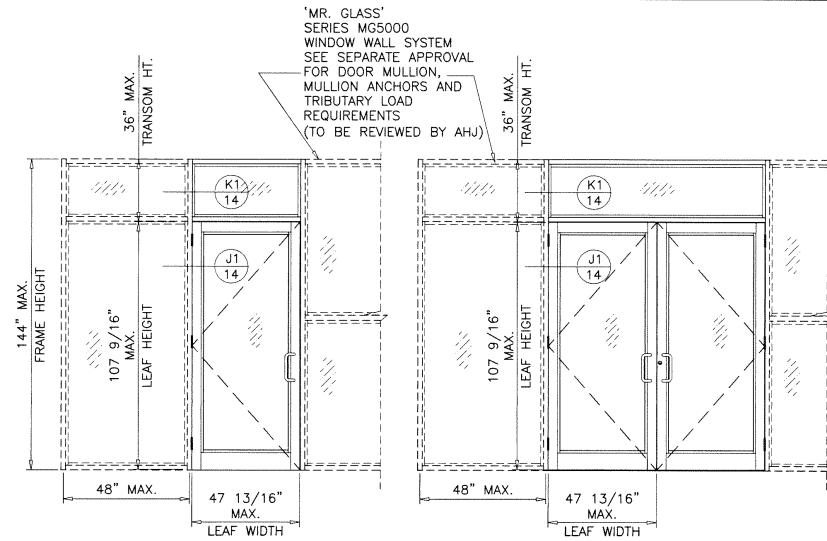
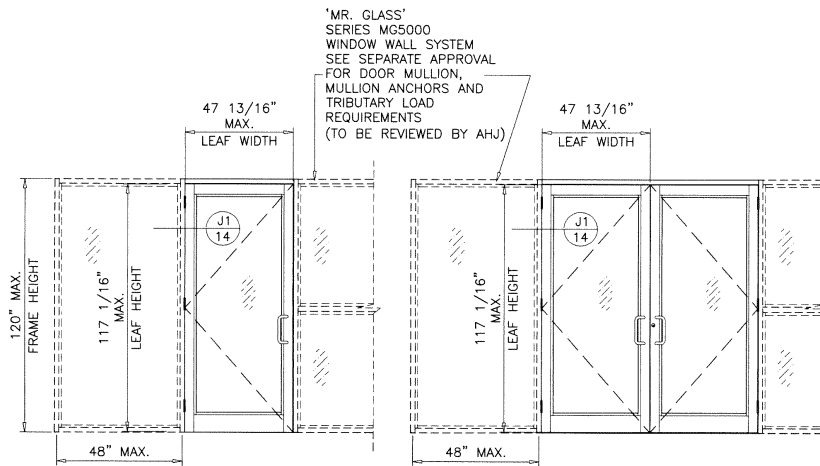


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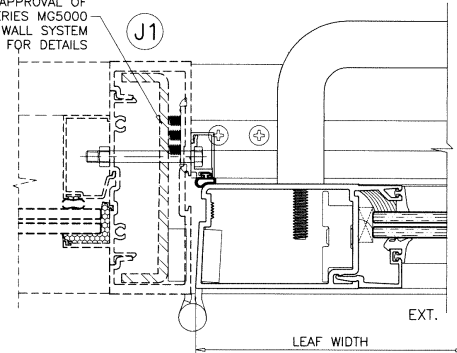
FL #27001



af c AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX (305) 262-8978 COMP-ANL\20-51F-MG																					
SERIES MG500-10 ALUM. OUTSWING FRENCH 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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drawing no. 20-51F sheet 13 of 21																					



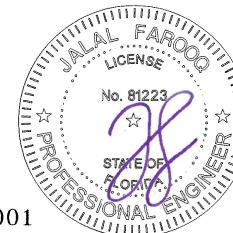
REINFORCING WILL VARY
SEE CURRENT APPROVAL OF
SERIES MG5000
WINDOW WALL SYSTEM
FOR DETAILS



F.B.C. APPROVED
SERIES MG5000 WINDOW WALL SYSTEM BY 'MR. GLASS'
UNDER SEPARATE APPROVAL.

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

Sealed: 8/1/2023



FL #27001

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\20-51F-MG

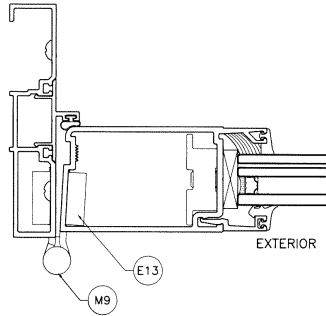
SERIES MG500-10 ALUM. OUTSWING FRENCH DOOR (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

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drawing no.		20-51F			
sheet 14 of 21					

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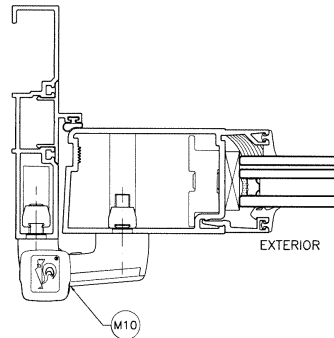
OPTION #1:

4 X 4-3/4" ST. STEEL BALL BEARING BUTT HINGES
LOCATED AT
11" FROM TOP & BOTTOM AND AT MIDSPAN
FASTENED TO DOOR FRAME AND LEAF STILE WITH
(4) #12-24 X 1/2" FH MACHINE SCREWS PER HASP



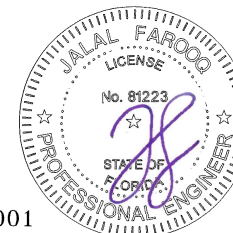
OPTION #2:

SERIES 60AT (DR HAHN A701) DIE CAST ALUMINUM HINGE
BY 'DR HAHN'
(2) HINGES PER LEAF AT 6" FROM TOP & BOTTOM

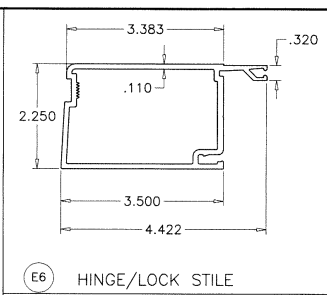
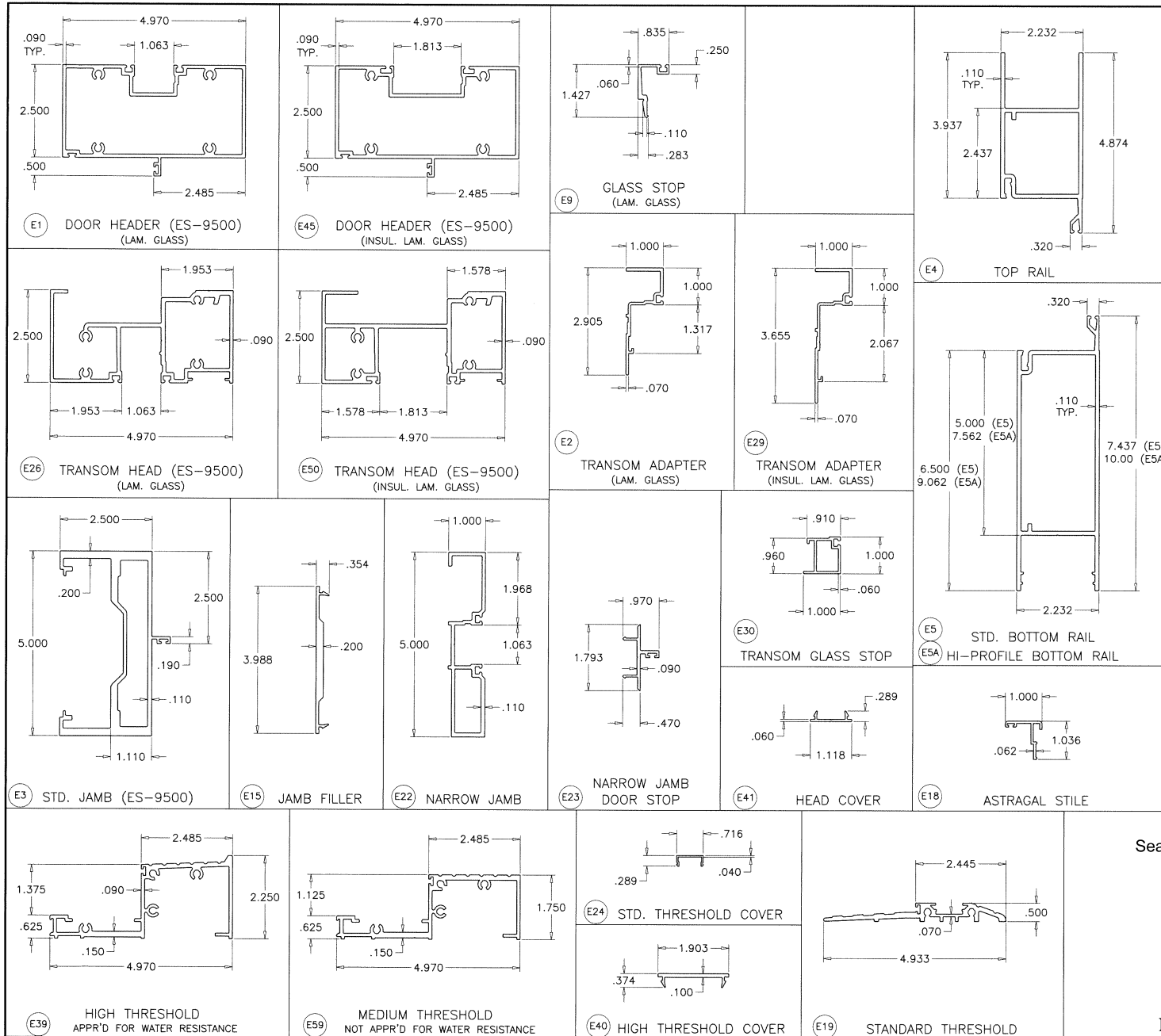


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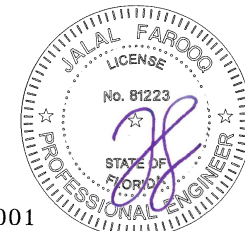
FL #27001



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.O.N. 3538		COMP-ANL 20-51F-MG																					
SERIES MC500-10 ALUM OUTSWING FRENCH 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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no	date	by	description																				



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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. 3558)

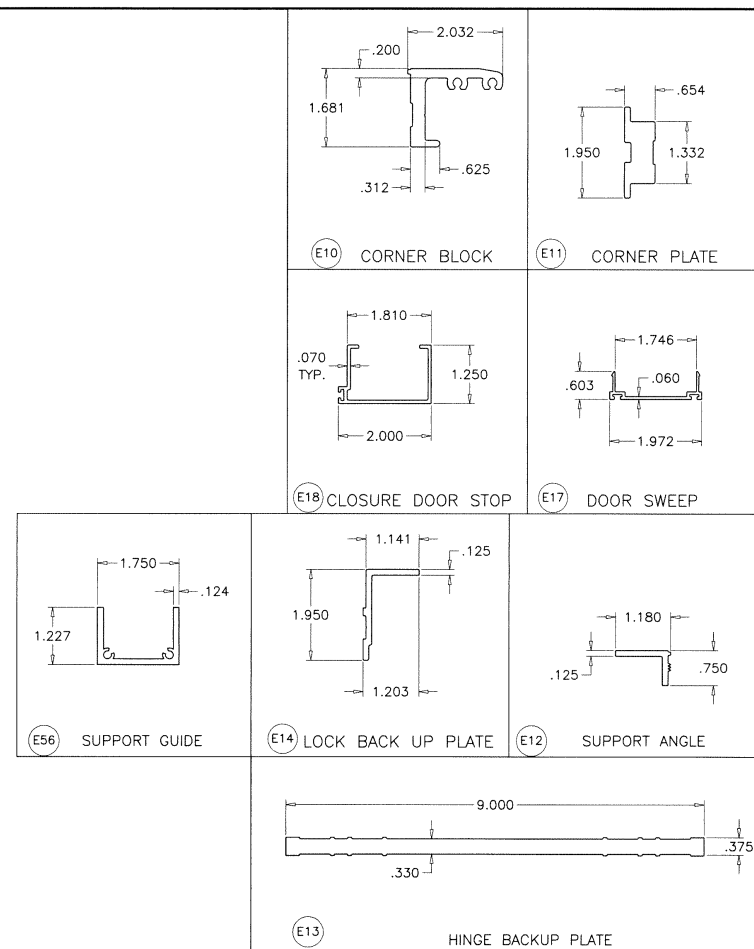
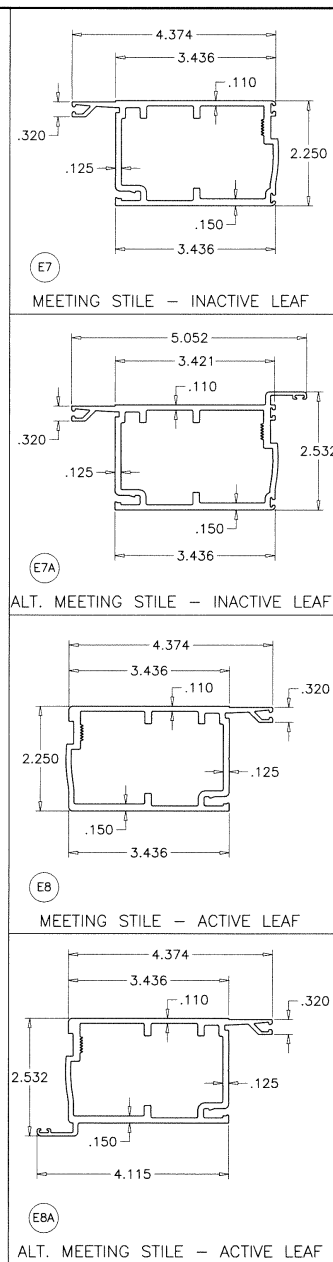
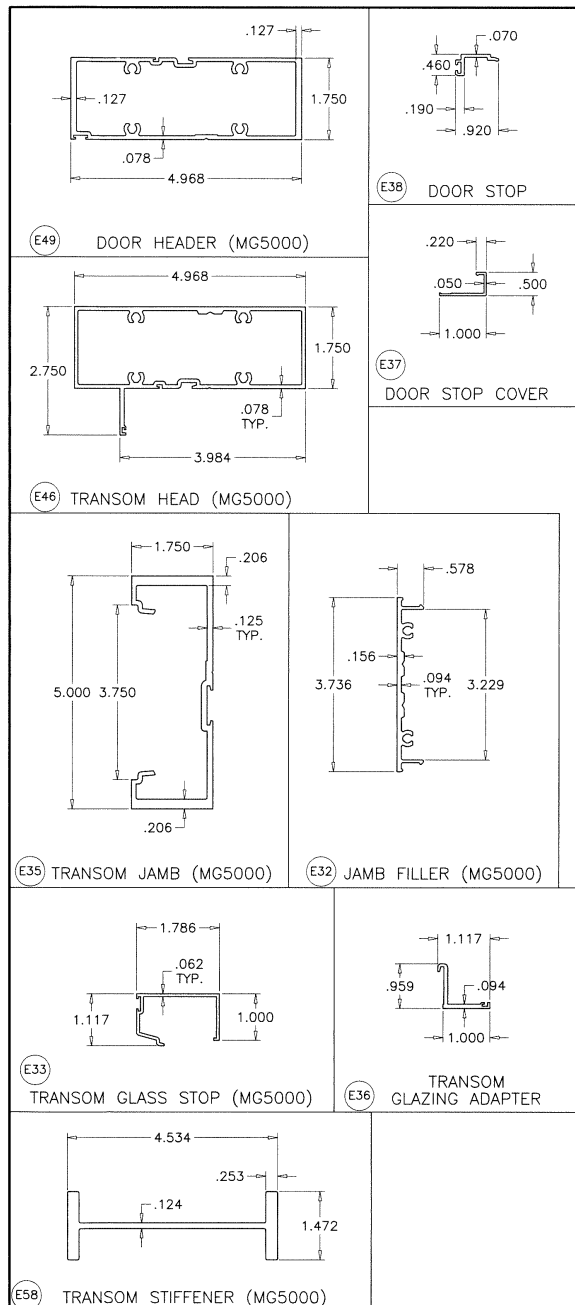
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
 8051 N.W. 79th Place
 Medley, FL 33166
 Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:
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drawing no.
20-51F

sheet 17 of 21



Sealed: 8/1/2023



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AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173 (C.A.N. 3538)
TEL. (305) 262-6978 FAX. (305) 262-6978

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

SERIES MG500-10 ALUM OUTSWING FRENCH DOOR (L.M.I.)

revisions:	no	date	by	description

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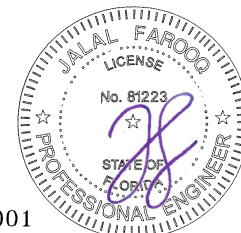
drawing no. **20-51F**
sheet 18 of 21

COMP-ANL 20-51F-MG

ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
E1	ES-9012	1	DOOR HEADER	6061-T6	-
E2	ES-9019		TRANSOM ADAPTER	6063-T5	-
E3	ES-9013	2	STD. DOOR JAMB	6063-T6	-
E4	ES-9001	2	TOP RAIL	6063-T5	-
E5	ES-9002	1	STD. BOTTOM RAIL	6063-T6	-
E5A	ES-9000-031	1	HI-PROFILE BOTTOM RAIL	6063-T6	-
E6	ES-9003	2	HINGE/LOCK STILE	6063-T5	-
E7	ES-9006	1	MEETING STILE - INACTIVE LEAF	6063-T5	-
E7A	-	1	ALT. MEETING STILE - INACTIVE LEAF	6063-T5	-
E8	ES-9007	1	MEETING STILE - ACTIVE LEAF	6063-T5	-
E8A	-	1	ALT. MEETING STILE - ACTIVE LEAF	6063-T5	-
E9	ES-9004	4	GLASS STOP	6063-T5	-
E10	ES-9008	4	CORNER BLOCK	6063-T5	-
E11	ES-9009	4	CORNER PLATE	6063-T5	-
E12	ES-9010	4	SUPPORT ANGLE	6063-T5	3/4" X 1" X 1/8" X 9" LONG
E13	ES-9011	AS REQD.	HINGE BACKUP PLATE REINFORCEMENT	6063-T5	1-1/4" X 9" X 3/8" THK.
E14	ES-9020	1	LOCK BACKUP PLATE REINFORCEMENT	6063-T5	10" LONG
E15	ES-9016	AS REQD.	JAMB FILLER	6063-T6	-
E17	ES-9005	-	DOOR SWEEP	6063-T5	-
E18	ES-9060		ASTRAGAL STILE, SECURED W/ #8 X 1/2" SMS @ 12" O.C.	6063-T5	-
E19	ES-9000-030	1	STANDARD THRESHOLD	6061-T6	-
E22	ES-7530-213	AS REQD.	NARROW DOOR JAMB	6063-T6	-
E23	ES-7530-214	AS REQD.	NARROW JAMB DOOR STOP	6063-T6	-
E24	ES-6011	AS REQD.	SCREW COVER	6063-T6	-
E26	ES-9506	AS REQD.	FRAME HEAD (LAM. GLASS)	6063-T5	-
E29	ES-9024	AS REQD.	TRANSOM ADAPTER (INSUL. LAM. GLASS)	6063-T5	-
E30	ES-9018	AS REQD.	TRANSOM GLASS STOP	6063-T5	-
E32	ES-8003	AS REQD.	JAMB FILLER	6063-T6	-
E33	ES-8006	AS REQD.	GLASS STOP	6063-T5	-
E36	ES-8014	AS REQD.	GLAZING ADAPTER (DOOR TRANSOM)	6063-T6	-
E37	ES-9052	-	DOOR STOP COVER	6063-T5	-
E38	ES-9051	-	DOOR STOP	6063-T5	-
E39	ES-9026	1	HIGH THRESHOLD	6063-T6	-
E40	ES-9027	1	THRESHOLD COVER	6063-T5	-
E41	ES-9502	AS REQD.	HEAD COVER	6063-T5	-
E45	ES-9025	AS REQD.	DOOR HEADER (INSUL. LAM. GLASS)	6061-T6	-
E46	ES-8005	AS REQD.	TRANSOM HEAD	6063-T6	-
E49	ES-8013M2	AS REQD.	DOOR HEAD	6061-T6	-
E50	ES-9554	AS REQD.	HEAD (INSUL. LAM. GLASS)	6063-T5	-
E54	ALU-A-027	AS REQD.	ANGLE	6063-T6	-
E55	ALU-P-030	AS REQD.	PLATE	6063-T6	-
E56	GMP-104A	AS REQD.	SUPPORT GUIDE	6063-T6	-
E58	-	AS REQD.	TRANSOM STIFFENER (ES-8000)	6005-T5	-
E59	ES-9000-036	1	MEDIUM THRESHOLD	6063-T6	-
M1	#12 X 1"	AS REQD.	FRAME & LEAF ASSEMBLY FASTENERS	ST. STEEL	PH SMS
M2	12-24 X 1/2"	AS REQD.	HINGE, INT. PIVOT & THRESHOLD CLIP FASTENERS	ST. STEEL	FH MS
M3	8-32 X 1/2"	AS REQD.	SUPPORT ANGLE & LOCK BACK UP PLATE FASTENERS	ST. STEEL	FH MS
M4	3/8-16 X 1"	AS REQD.	LEAF ASSEMBLY FASTENERS	ST. STEEL	HEX BOLT
M5	ES-9000-G01	AS REQD.	WEDGE GASKET	SILICONE	DUROMETER 70±5 SHORE A
M6	ES-9000-G02	AS REQD.	SPACER GASKET	EPDM	DUROMETER 70±5 SHORE A
M7	ES-9000-G03	AS REQD.	BULB VINYL, BASE-POLYPROPYLENE, BULB-TPE	-	ULTRAFAB, DUROMETER 73
M8	ES-9000-B01	AS REQD.	SETTING BLOCK (LAM. GLASS) AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A
M8i	ES-9000-B02A	AS REQD.	SETTING BLOCK (INSUL. LAM. GLASS) AT 1/4 POINTS	EPDM	DUROMETER 80±5 SHORE A
M9	-	AS REQD.	BUTT HINGE 4 1/2" x 4"	ST. STEEL	-
M10	60AT 2-TLG	AS REQD.	RESIDENTIAL HINGE	-	DR. HAHN
M11	DL01-6192-117	1	LOCK HANDLE KIT	-	ADAMS RITE
M12	MS1953-350	1	3 POINT LOCK	-	ADAMS RITE
M13	SBCTN03	1	KEY CYLINDER	-	-
M14	SBCTN03	1	THUMBTURN	-	-
M15	MS1880-04	1	2 POINT LOCK	-	ADAMS RITE
M16	#8 X 1/2"	AS REQD.	ASTRAGAL FASTENERS	ST. STEEL	FH SMS

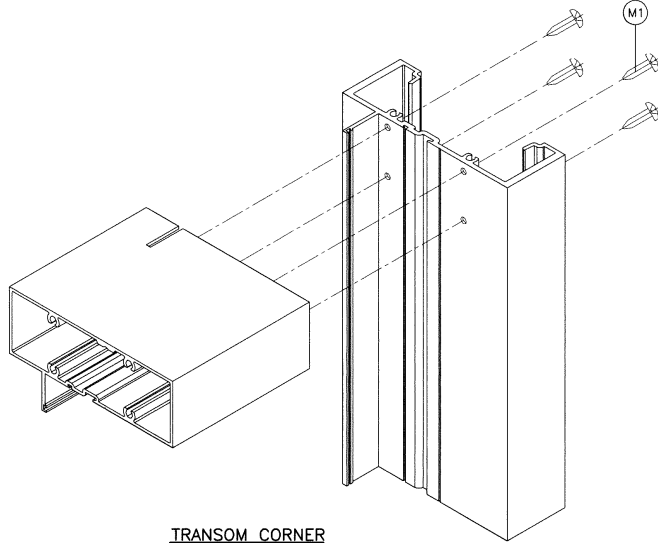
ITEM #	PART #	QUANTITY	DESCRIPTION	MATERIAL	MANF./SUPPLIER/REMARKS
M17	BF157A47	AS REQD.	PUSH - PULL	-	-
M18	33/35A	AS REQD.	PANIC EXIT DEVICE	-	VON DUPRIN
M19	W13273NK	AS REQD.	PILE W'STRIPPING	WOOL	-
M20	W23451NK	AS REQD.	PILE W'STRIPPING MTG. STILES	WOOL	-
M21	W13351NK	AS REQD.	PILE W'STRIPPING SWEEP	WOOL	-
M21B	W13276NK	AS REQD.	PILE W'STRIPPING	WOOL	-
M22	-	1/ CLOSER	CHANNEL SPACER 5/8" X 1-7/8"	-	-
M23	-	2	THRESHOLD CLIP	-	-
M24	DOWSIL 983	AS REQD.	STRUCTURAL SILICONE	-	-
M25	AEKA-420-165	AS REQD.	1/4-20 NUT FOR INSERT IN PUSH BAR	-	-
M27	#10 X 1/2"	AS REQD.	TRANSOM ADAPTER FASTENERS	ST. STEEL	FH SMS
M28	#12 X 1"	AS REQD.	TO LEAF	ST. STEEL	FH SMS
M34	ES-8009	AS REQD.	SILICONE DAM	EPDM	DUROMETER 60±5 SHORE A
M36	ES-8010	AS REQD.	BULB SEAL	EPDM	DUROMETER 60±5 SHORE A
M37	ES-6025-B05	AS REQD.	SETTING BLOCK (LAM. GLASS) AT 1/4 POINTS	EPDM	DUROMETER 85±5 SHORE A
M38	ES-8011	AS REQD.	GLASS SPACER	EPDM	DUROMETER 85±5 SHORE A
M41	-	AS REQD.	1/4" X 1/4" INTERIOR SPACER	EPDM	DUROMETER 85±5 SHORE A
M42	#12 X 2"	AS REQD.	THRESHOLD TO JAMB FASTENERS	ST. STEEL	PH SMS
M43	#8 X 1/2"	AS REQD.	DOOR STOP FASTENERS	ST. STEEL	PH SMS
M44	10-24 X 1/2"	AS REQD.	ANGLE FASTENERS	ST. STEEL	FH SMS
M45	8-32 X 1/2"	AS REQD.	ANGLE FASTENERS	ST. STEEL	PH SMS
M46	#8 X 3/4"	AS REQD.	ANGLE FASTENERS	ST. STEEL	FH SMS
M47	-	AS REQD.	MORTISE LOCK	-	-
M48	DL01-6040	AS REQD.	SHOOT BOLT TIPS	-	-
M50	DL01-6295-117	AS REQD.	DUMMY HANDLE KIT	-	-
M57	#10 X 1-1/2"	AS REQD.	FOR RATCHET RELEASE ACCESSORY	ST. STEEL	FH SMS

Sealed: 8/1/2023

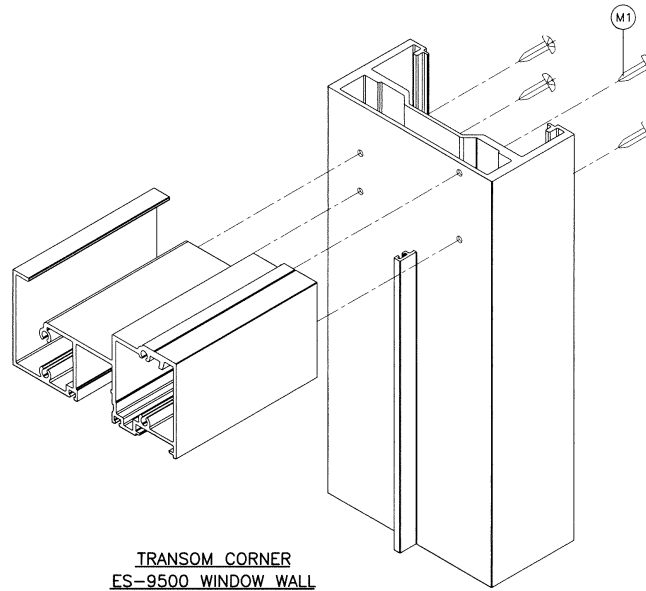


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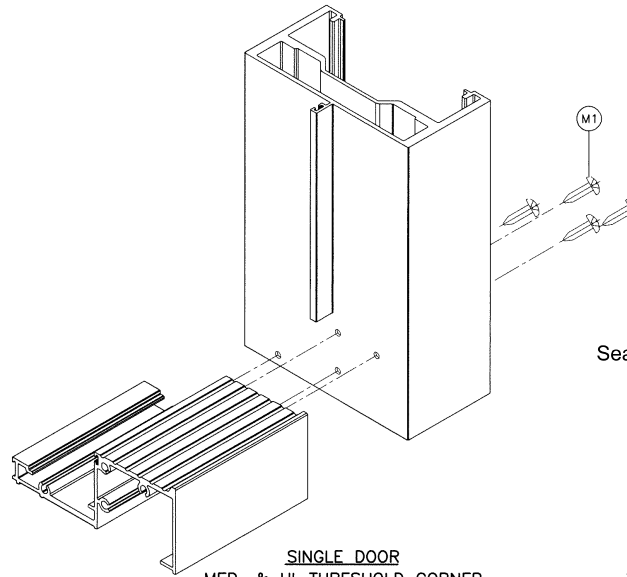
AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978 COMP-ANL 20-51F-MG		MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC 8051 N.W. 79th Place Medley, FL 33166 Tel. (305) 764-3963 Fax. (305) 470-8285	
		SERIES M500-10 ALUM. OUTSWING FRENCH DOOR (L.M.I.)	
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TRANSOM CORNER
SERIES MG5000 WINDOW WALL

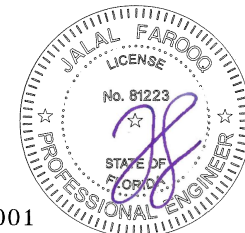


TRANSOM CORNER
ES-9500 WINDOW WALL



SINGLE DOOR
MED. & HI-THRESHOLD CORNER

Sealed: 8/1/2023



FL #27001

af c
AL-FAROOQ CORPORATION
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9360 SUNSET DRIVE, SUITE 220
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sheet 21 of 21