

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.

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.



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

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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. 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

date: 06-08-20		revisions:			
scale: —		no	date	by	description
		A	07.22.20		UPDATED TO 2020 FBC
dr. by: TARIQ		B	08.01.23		UPDATED TO 2023 FBC
chk. by:					
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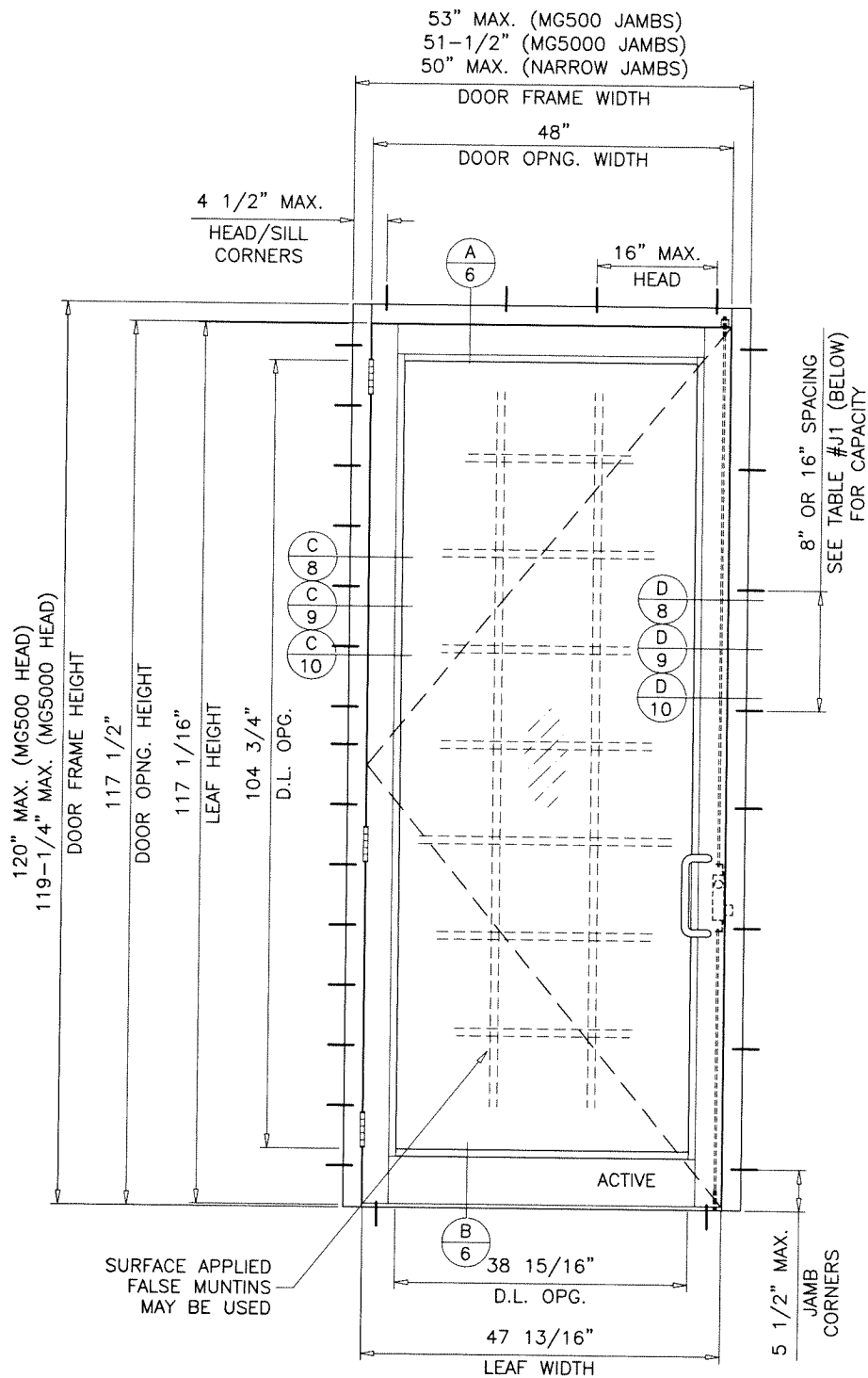
DOORS LOAD CAPACITY - PSF SINGLE DOORS (X)			
SINGLE DOOR (X) DIMS.		GLASS TYPES 'A' & 'Ai'	
DOOR OPNG. WIDTH	DOOR OPNG. HEIGHT	EXT.(+)	INT.(-)
42"	108"	90.0	90.0

DOORS LOAD CAPACITY - PSF SINGLE DOORS (X)			
SINGLE DOOR (X) DIMS.		GLASS TYPES 'B' & 'Bi'	
DOOR OPNG. WIDTH	DOOR OPNG. HEIGHT	EXT.(+)	INT.(-)
48"	117-1/2"	90.0	90.0

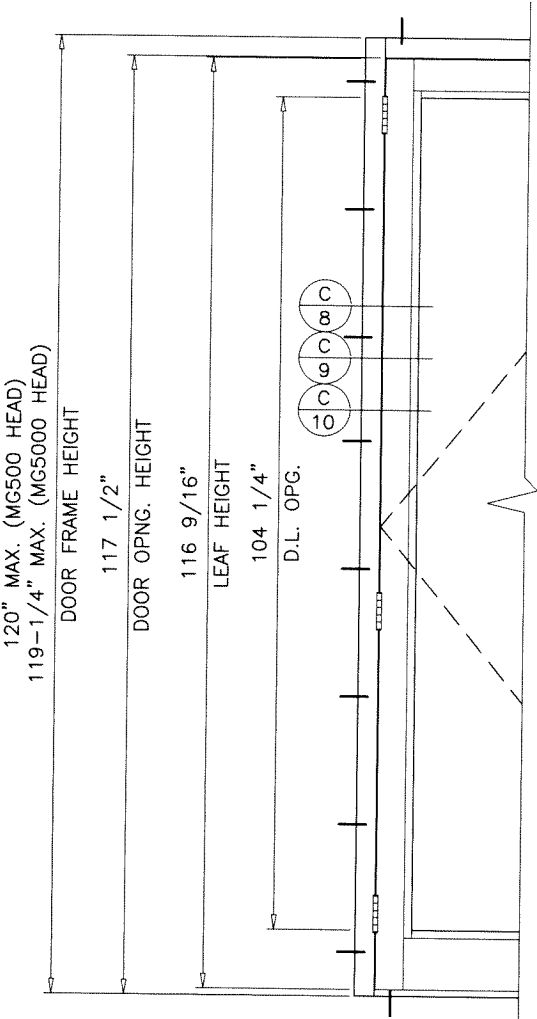
DOORS LOAD CAPACITY - PSF SINGLE DOORS (X)			
SINGLE DOOR (X) DIMS.		GLASS TYPE 'BB'	
DOOR OPNG. WIDTH	DOOR OPNG. HEIGHT	EXT.(+)	INT.(-)
38"	113-1/2"	114.0	114.0
41"	105-1/2"		

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

SEE SHEET 7 FOR ANCHOR DESCRIPTION

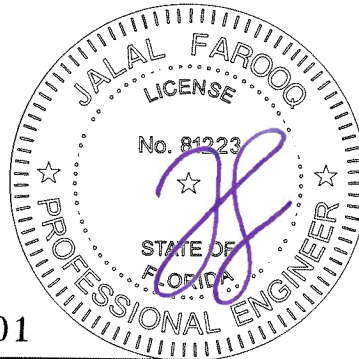


TYPICAL ELEVATION
SINGLE (X) STD. THRESHOLD



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

Sealed: 8/1/2023



FL #27001

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revisions:

no	date	by	description

date: 06-08-20
scale: 1/2"=1'-0"
dr. by: TARIQ
chk. by:

drawing no.
20-51F

sheet 2 of 21

COMP-ANL\20-51F-MG

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

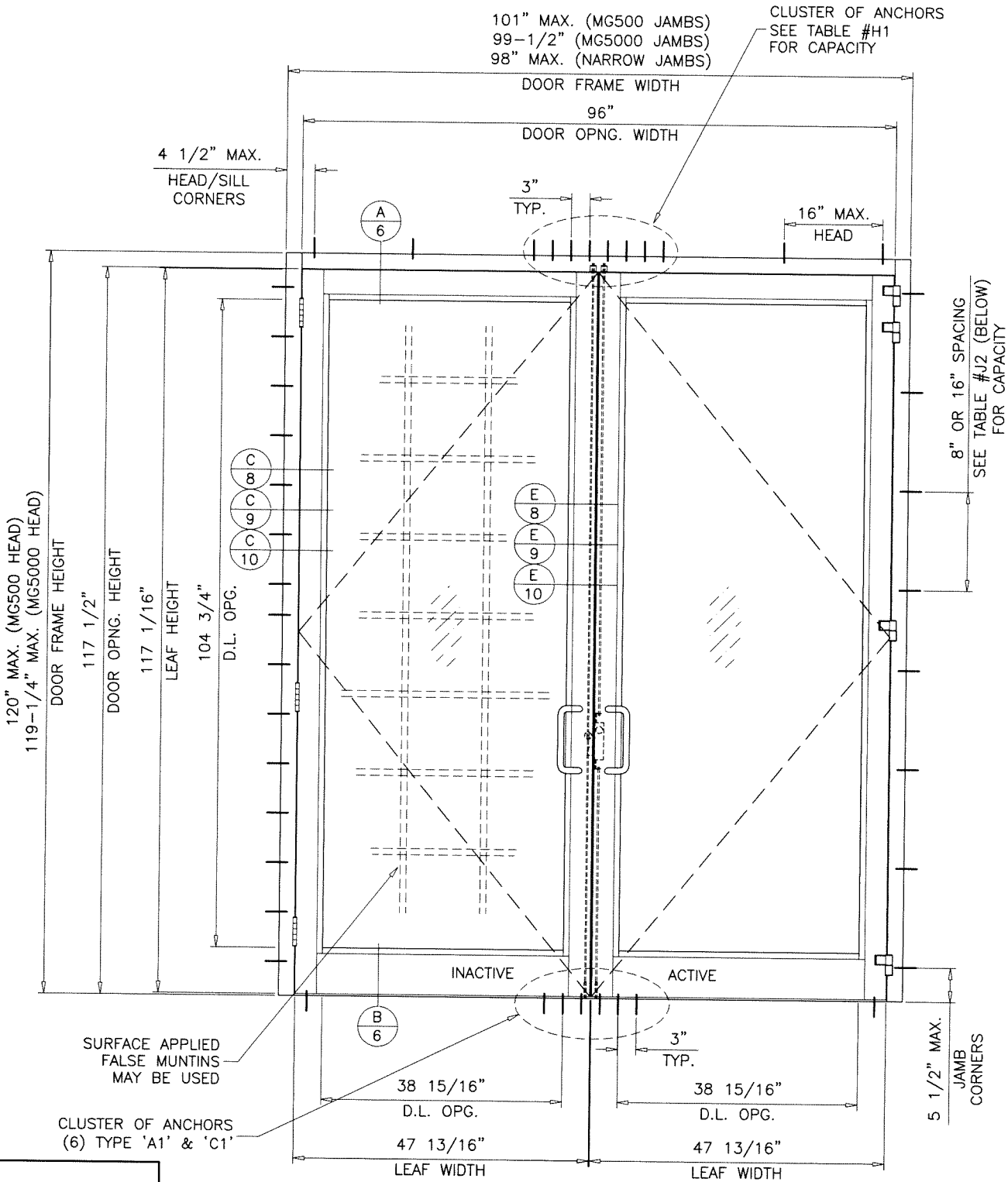
DOORS LOAD CAPACITY - PSF DOUBLE DOORS (XX)			
DOUBLE DOOR (XX) DIMS.		GLASS TYPE 'BB'	
DOOR OPNG. WIDTH	DOOR OPNG. HEIGHT	EXT.(+)	INT.(-)
75-7/8"	113-1/2"	114.0	114.0
81-7/8"	105-1/2"		

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.		SPACING AT 16" O.C.		AT 8" O.C.	
		ANCHOR 'A', '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.(-)
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

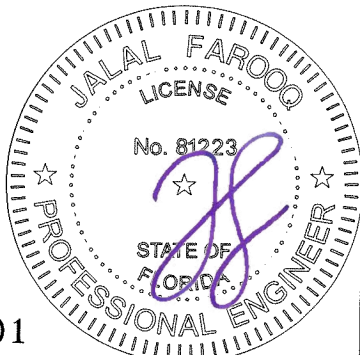
TABLE #H1		DOUBLE DOOR HEAD ANCHORS LOAD CAPACITY - PSF									
DOOR DIMS.		1/4" SHIM SPACE		3/8" SHIM SPACE				1/2" SHIM SPACE			
		CLUSTER OF 6		CLUSTER OF 8		CLUSTER OF 6		CLUSTER OF 8		CLUSTER OF 6	
		ANCHOR 'A', 'C' & 'D'	ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'A'	ANCHOR 'C'	ANCHOR 'A'
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	75.2	90.0	75.2	90.0	90.0	90.0	58.5	90.0	75.2
96"		90.0	66.2	90.0	66.3	90.0	85.2	90.0	51.5	80.0	66.2
84"	117-1/2"	90.0	69.2	90.0	69.2	90.0	89.0	90.0	53.8	78.0	69.2
96"		90.0	61.0	90.0	61.0	90.0	78.4	90.0	47.4	72.0	61.0
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
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

SEE SHEET 7 FOR ANCHOR DESCRIPTION



TYPICAL ELEVATION
DOUBLE (XX) STD. THRESHOLD

Sealed: 8/1/2023

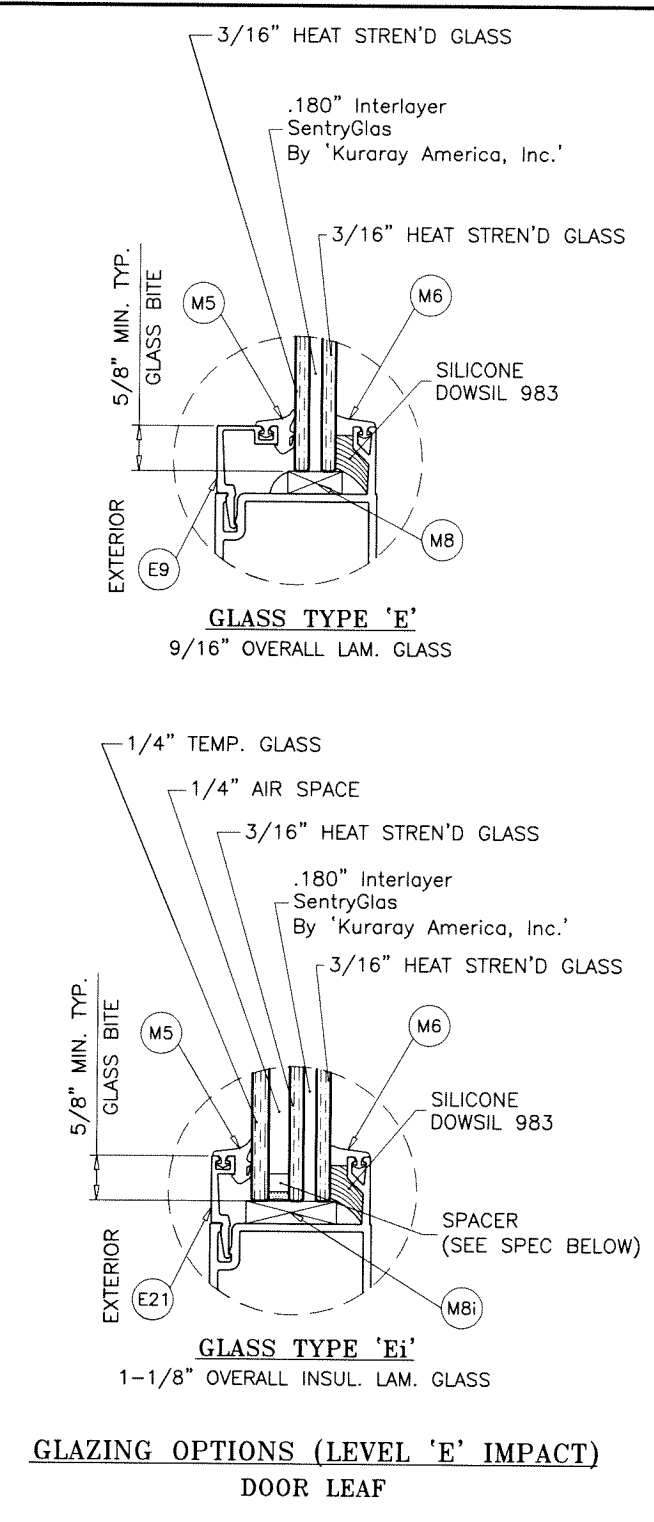
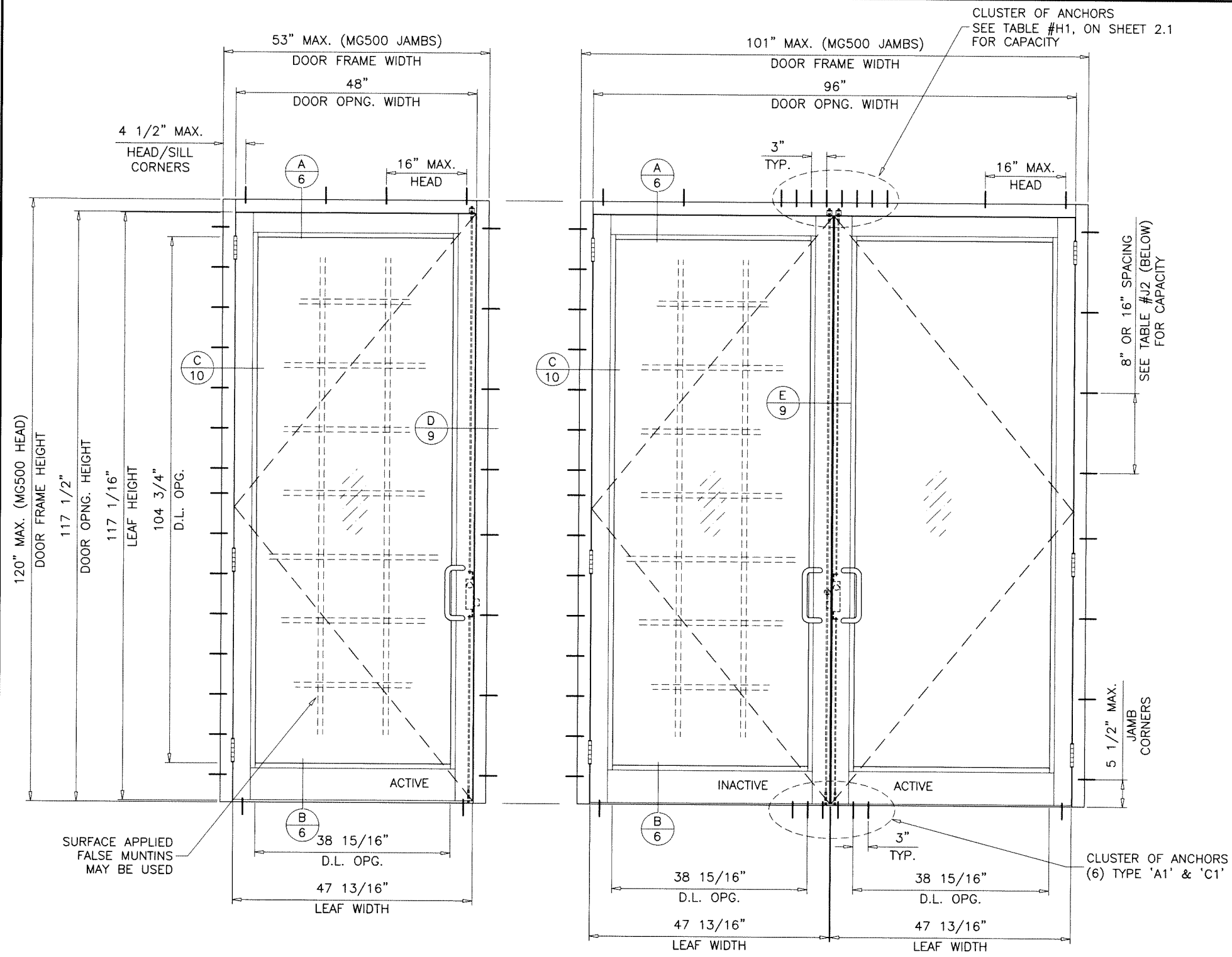


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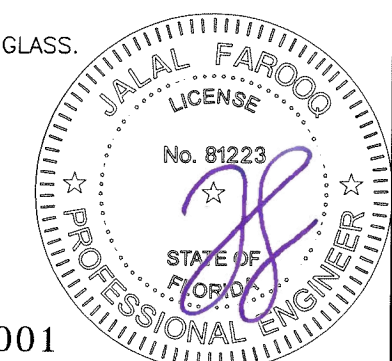
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dr. by:	TARIQ	chk. by:	
drawing no.		20-51F	
sheet 2.1 of 21			



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.

1/4" 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



FL #27001

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SERIES MC500-10 ALUM. OUTSWING FRENCH DOOR (L.M.I.)

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no	date	no	date

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dr. by: TARIQ

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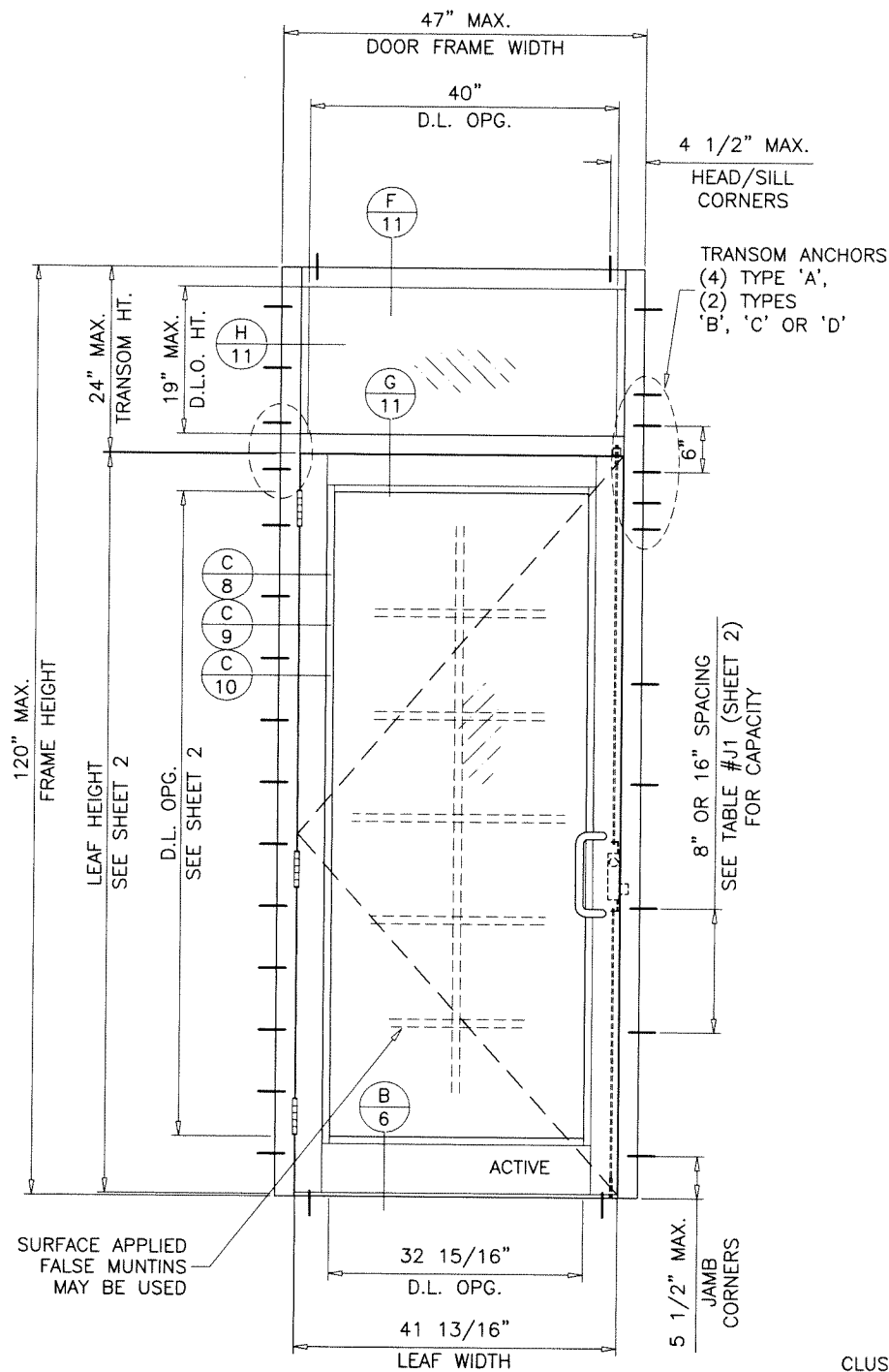
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drawing no.

20-51F

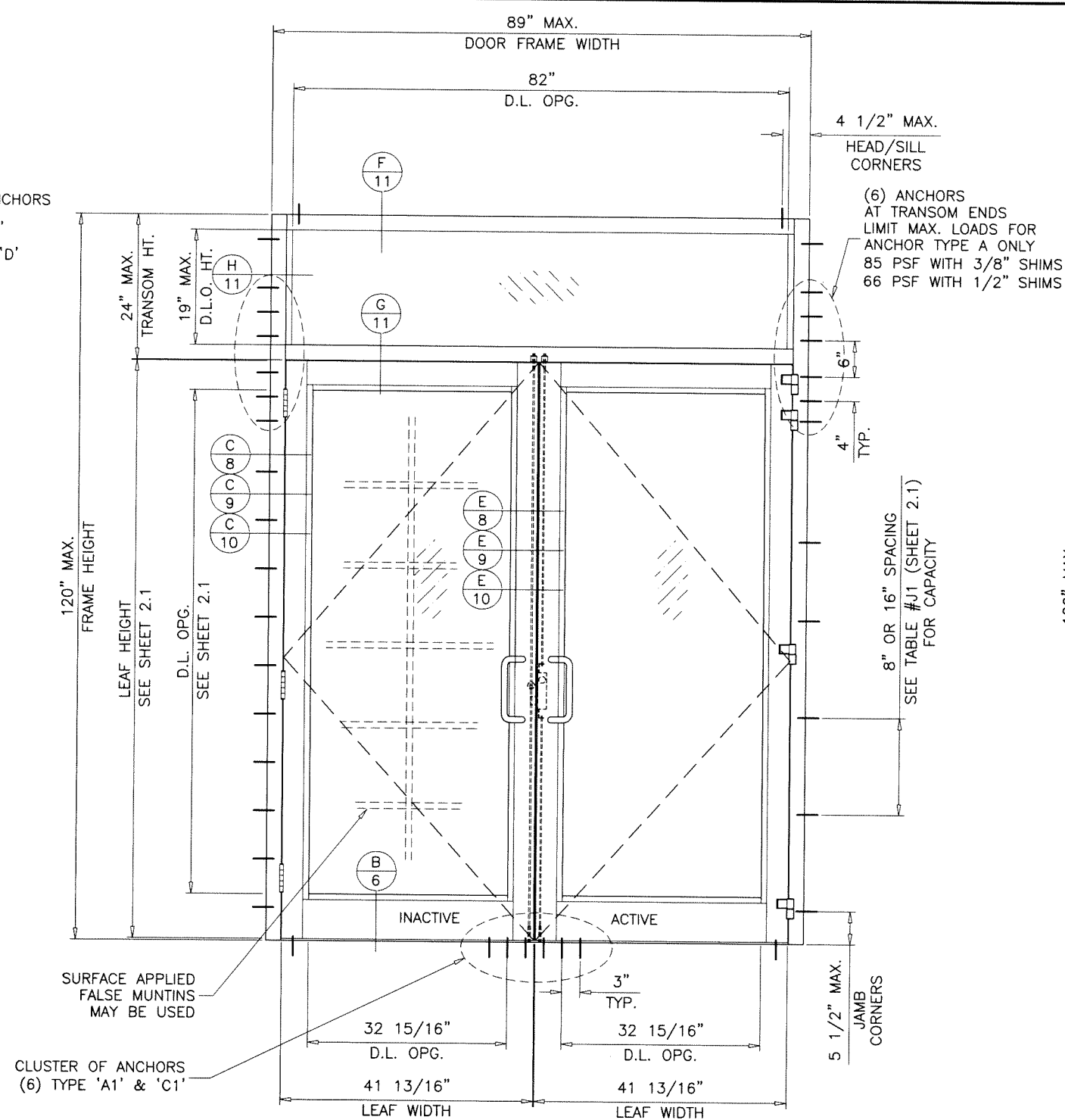
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FL #27001



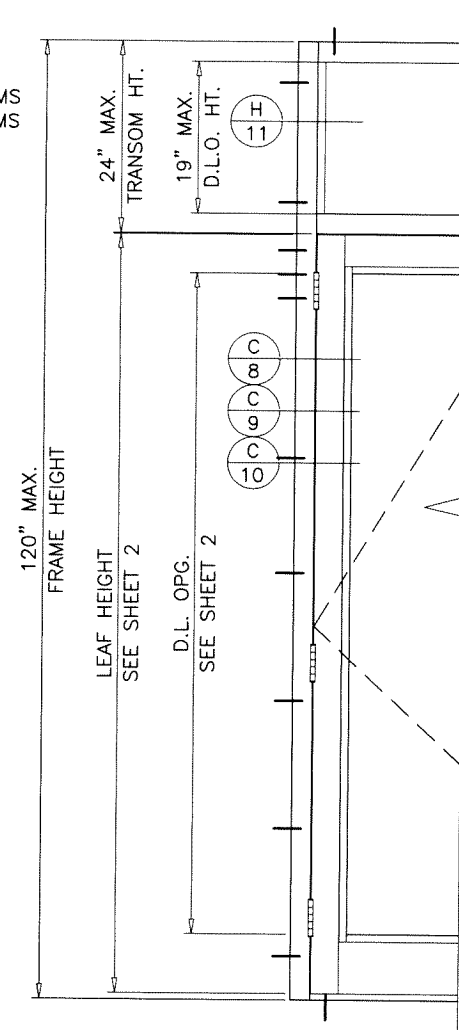
TYPICAL ELEVATION
SINGLE (O/X) STD. THRESHOLD
(ES-9500 TRANSOM)

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



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

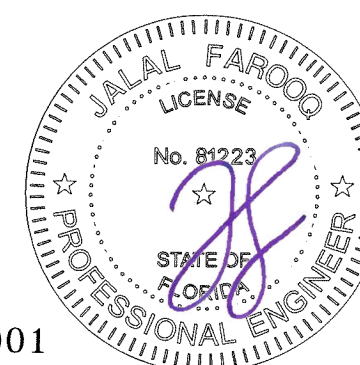
DOUBLE DOORS WITH TRANSOM (O/XX) CAPACITY - PSF				
GLASS TYPES 'A', 'Ai' & 'B', 'Bi' (DOOR)				
GLASS TYPES 'A', 'B' & 'Ci' (TRANSOM)				
FRAME WIDTH	DOOR HEIGHT	TRANSOM HEIGHT	EXT.(+)	INT.(-)
89\"	108\"	12\"	90.0	90.0



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

SEE SHEETS 2 AND 2.1 FOR DOOR GLASS OPTIONS

Sealed: 8/1/2023



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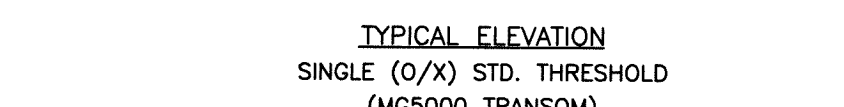
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no	date	by	description

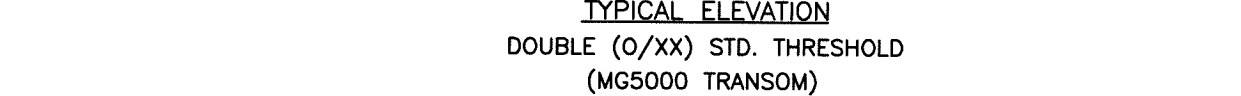
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20-51F

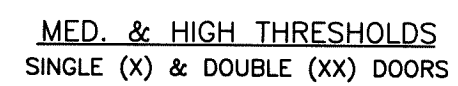
sheet 3 of 21



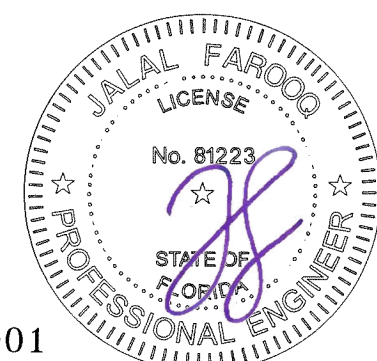
SEE SHEETS 2 AND 2.1
FOR DOOR GLASS OPTIONS



SEE SHEET 12
FOR REINF. DETAIL

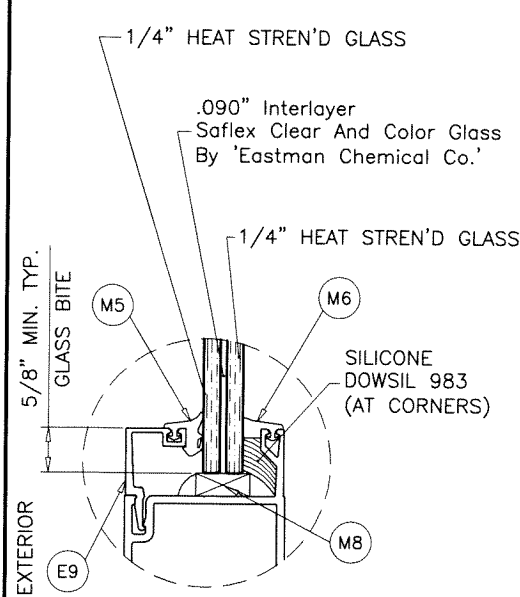


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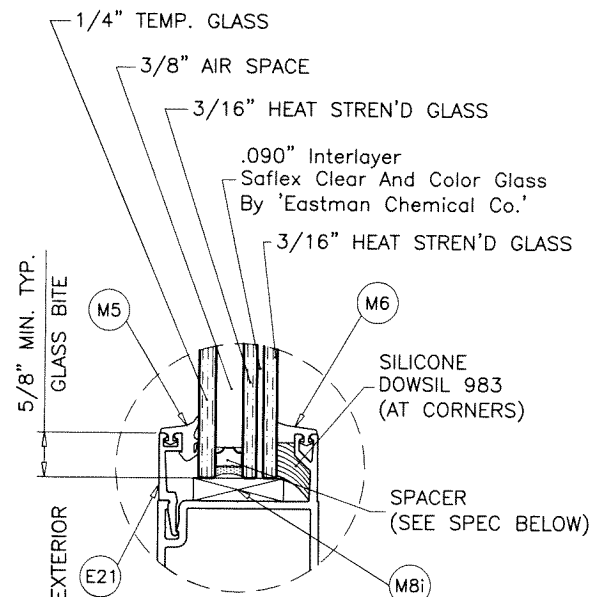


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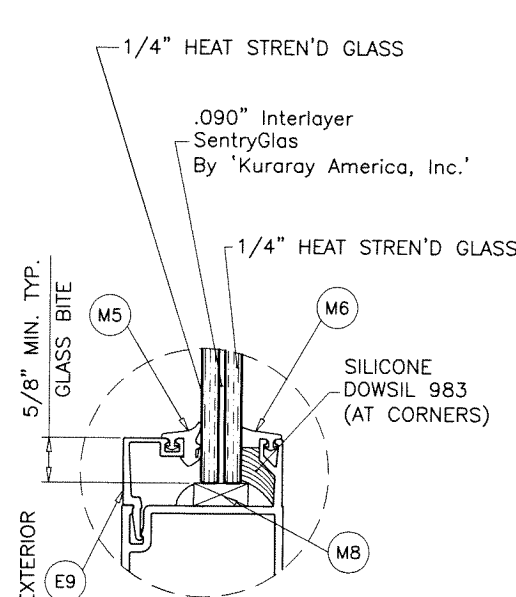
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drawing no. 20-51F			
sheet 4 of 21			



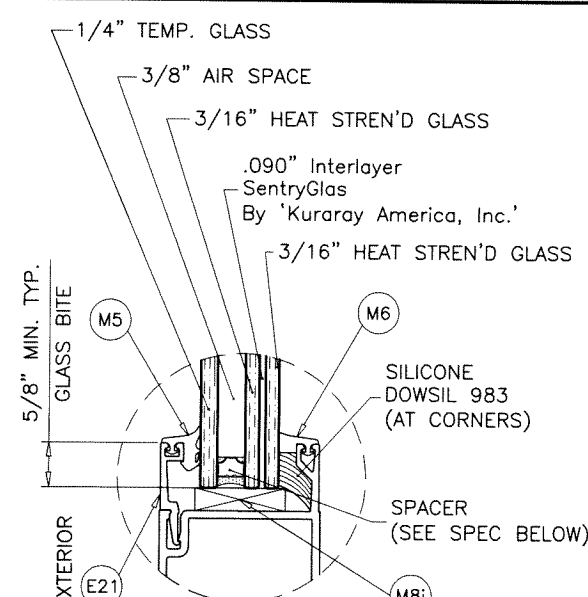
GLASS TYPE 'A'
9/16" OVERALL LAM. GLASS



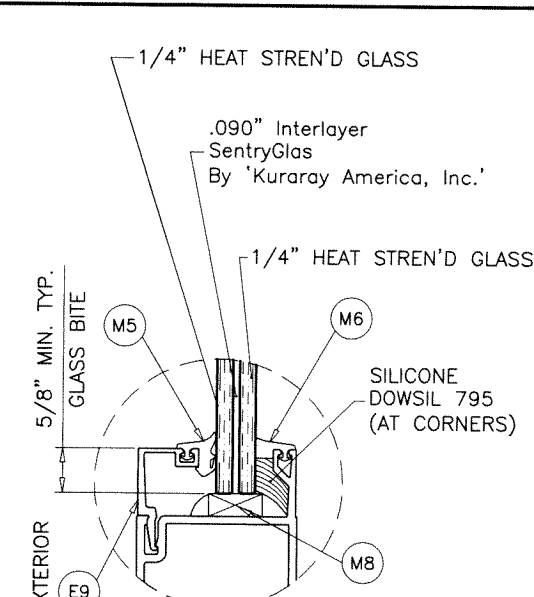
GLASS TYPE 'Ai'
1-1/8" OVERALL INSUL. LAM. GLASS



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

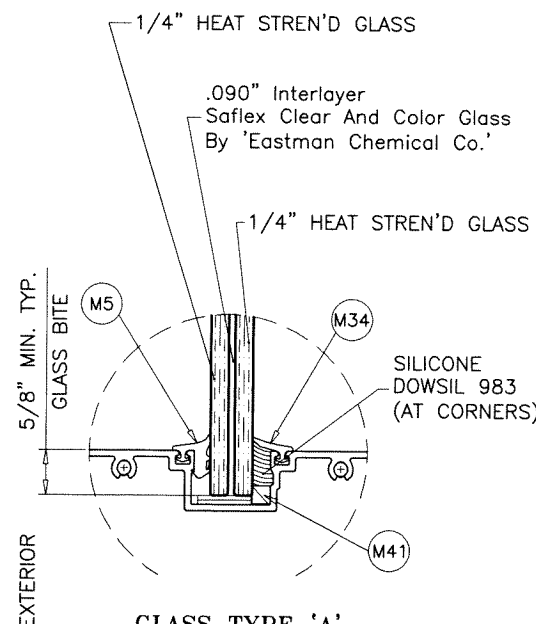
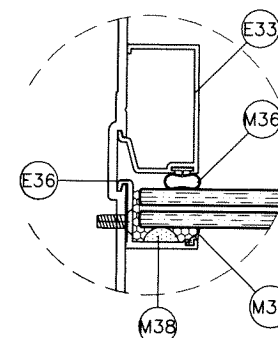
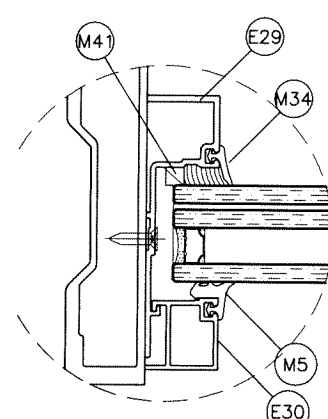
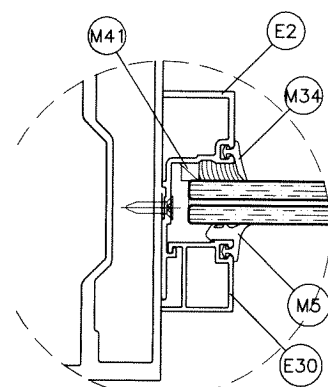


GLASS TYPE 'Bi'
1-1/8" OVERALL INSUL. LAM. GLASS

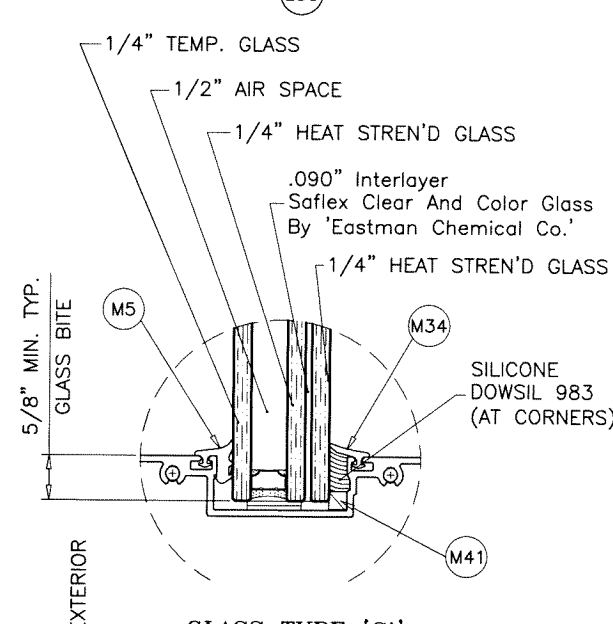


GLASS TYPE 'BB'
9/16" OVERALL LAM. GLASS

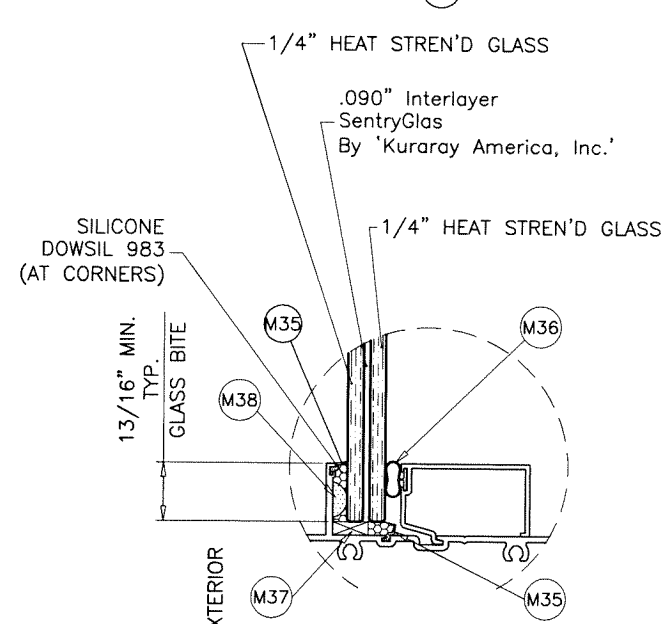
GLAZING OPTIONS (LEVEL 'D' IMPACT)
DOOR LEAF



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



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

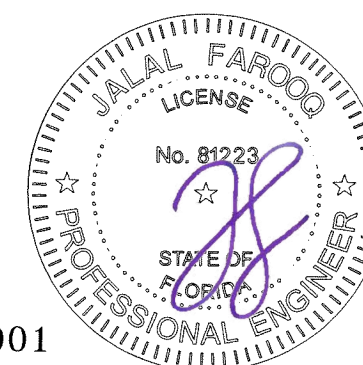


GLASS TYPE 'B'
9/16" OVERALL LAM. GLASS

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



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

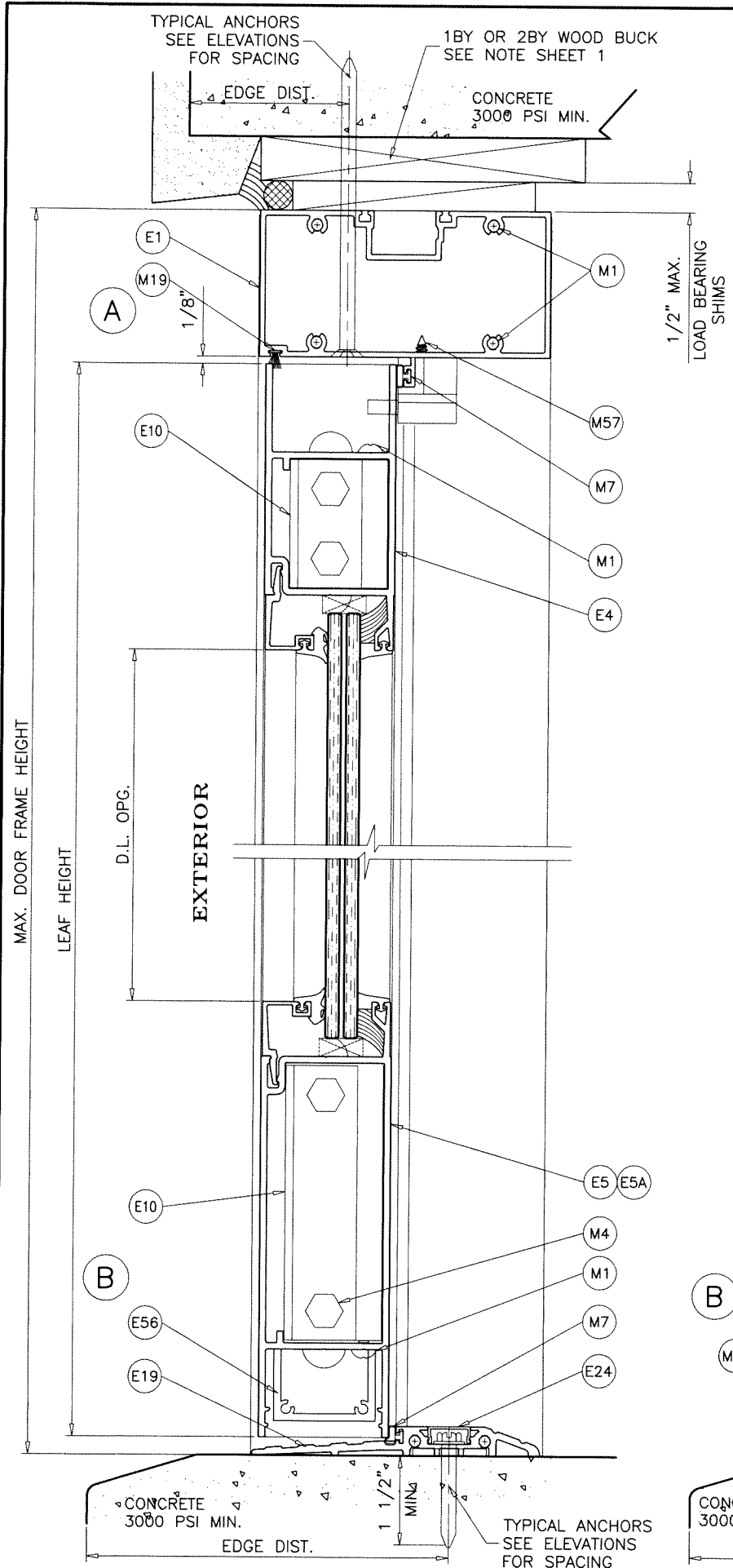
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:	
no	date by description

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chk. by:

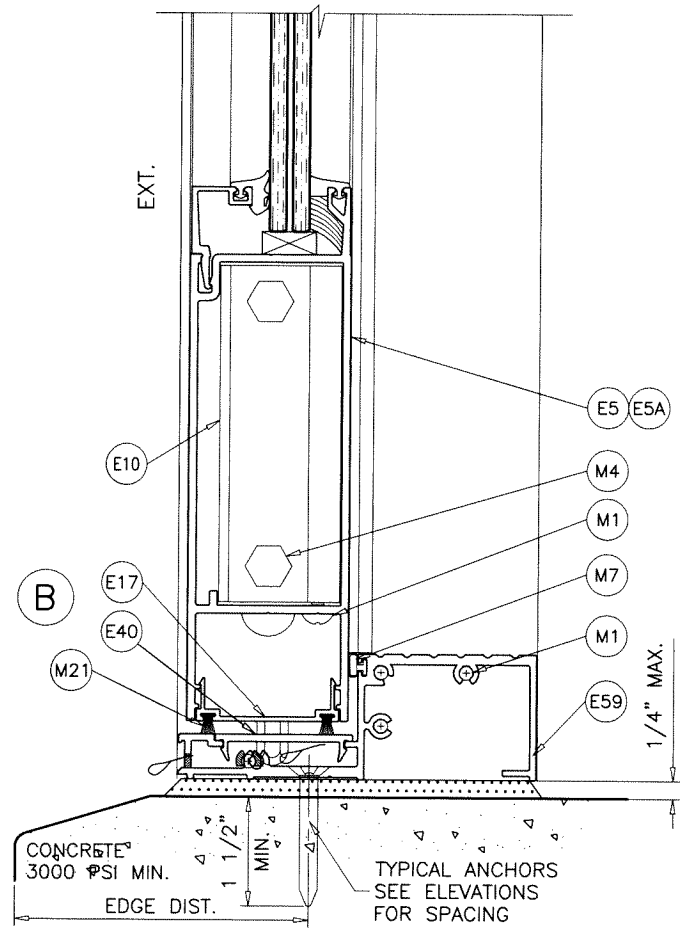
drawing no.
20-51F
sheet 5 of 21

FL #27001



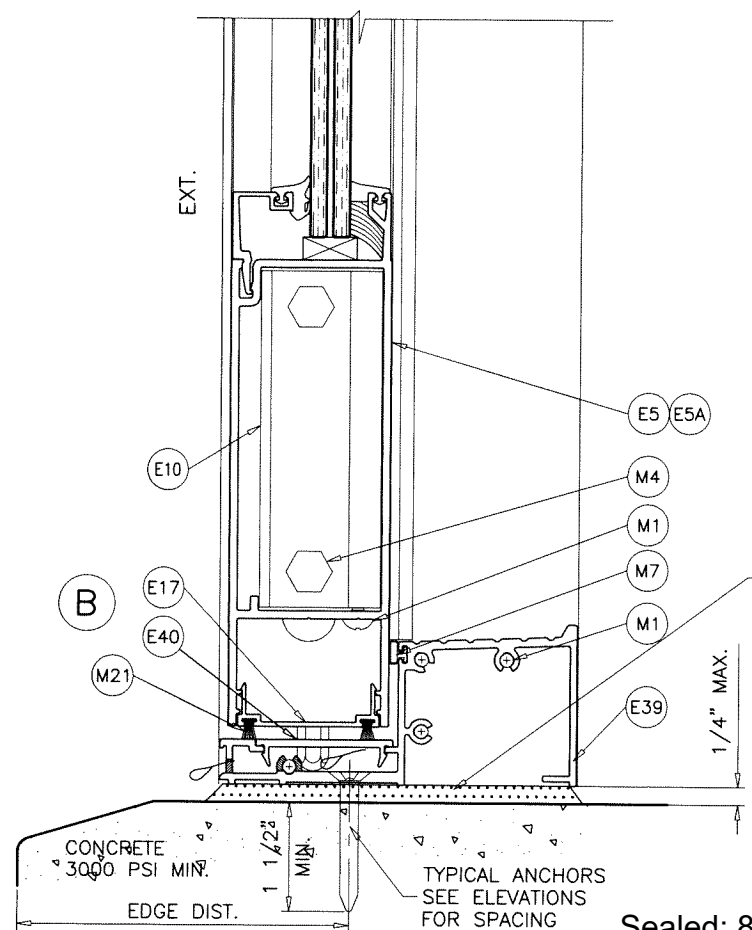
STANDARD THRESHOLD

NOT APPROVED FOR WATER INFILTRATION RESISTANCE



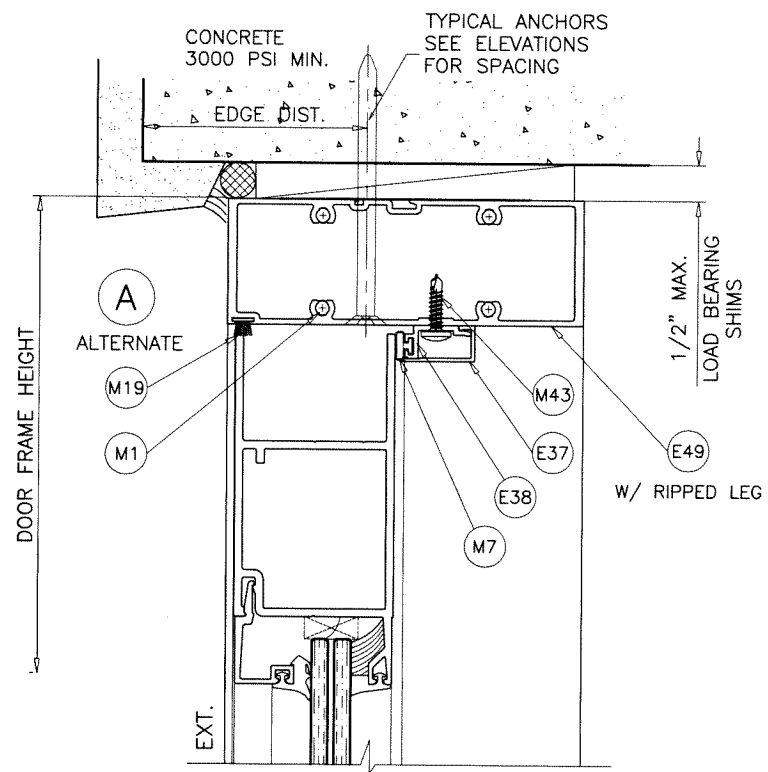
MEDIUM THRESHOLD

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HIGH THRESHOLD

APPROVED FOR WATER INFILTRATION RESISTANCE

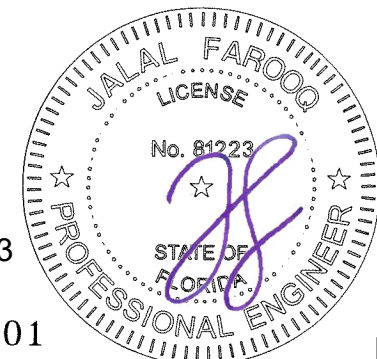


**DOOR HEAD
SERIES MG5000 FRAME OPTION**

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

Sealed: 8/1/2023

FL #27001



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Medley, FL. 33166
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SERIES MG500-10 ALUM OUTSWING FRENCH DOOR (L.M.I.)

COMP-ANL\20-51F-MG

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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. (Fy = 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

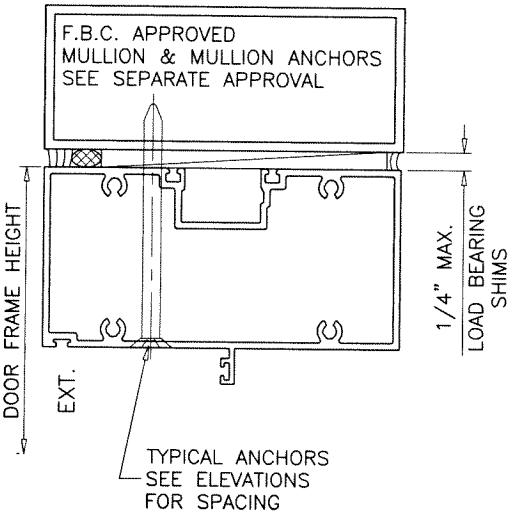
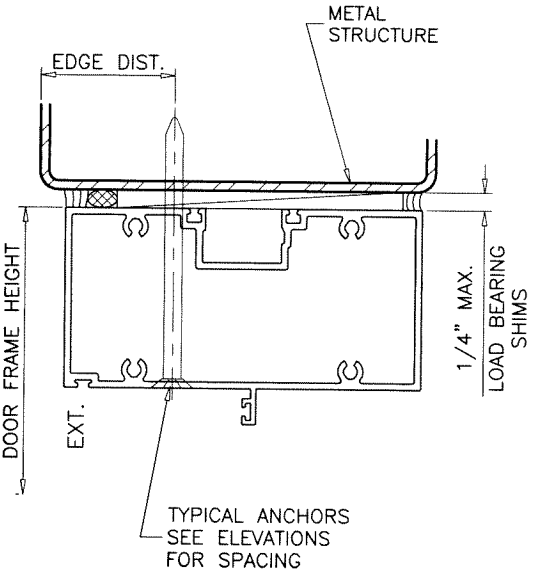
INTO CONCRETE = 2-1/2" MIN.

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

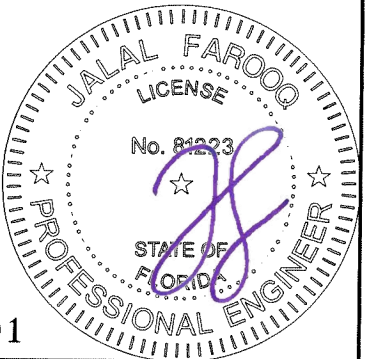
ANCHOR EDGE DISTANCES

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.



Sealed: 8/1/2023

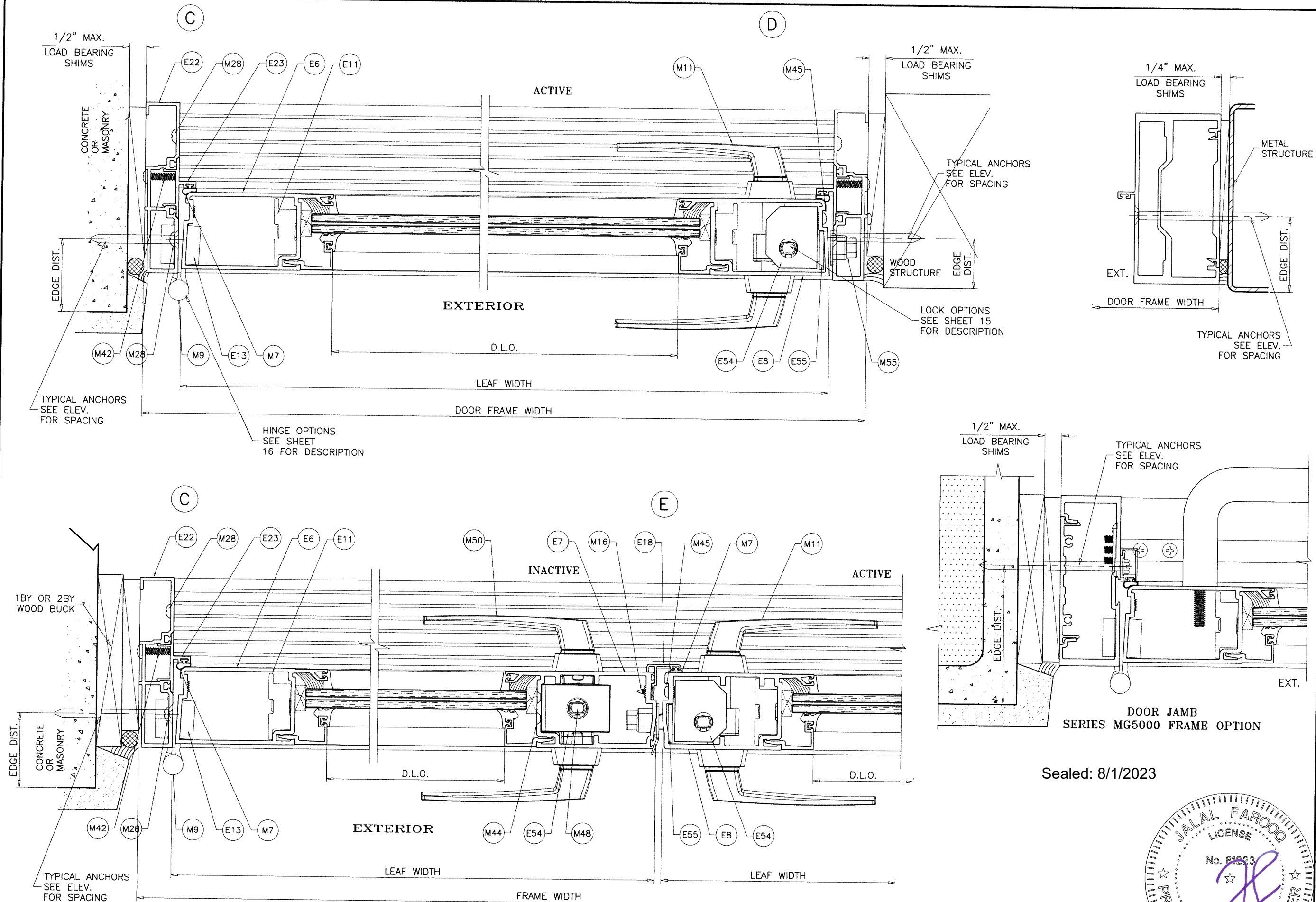


FL #27001

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

revisions:		no date by description	
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drawing no.	20-51F		
sheet	7 of 21		



Sealed: 8/1/2023



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COMP-ANL\20-51F-MG

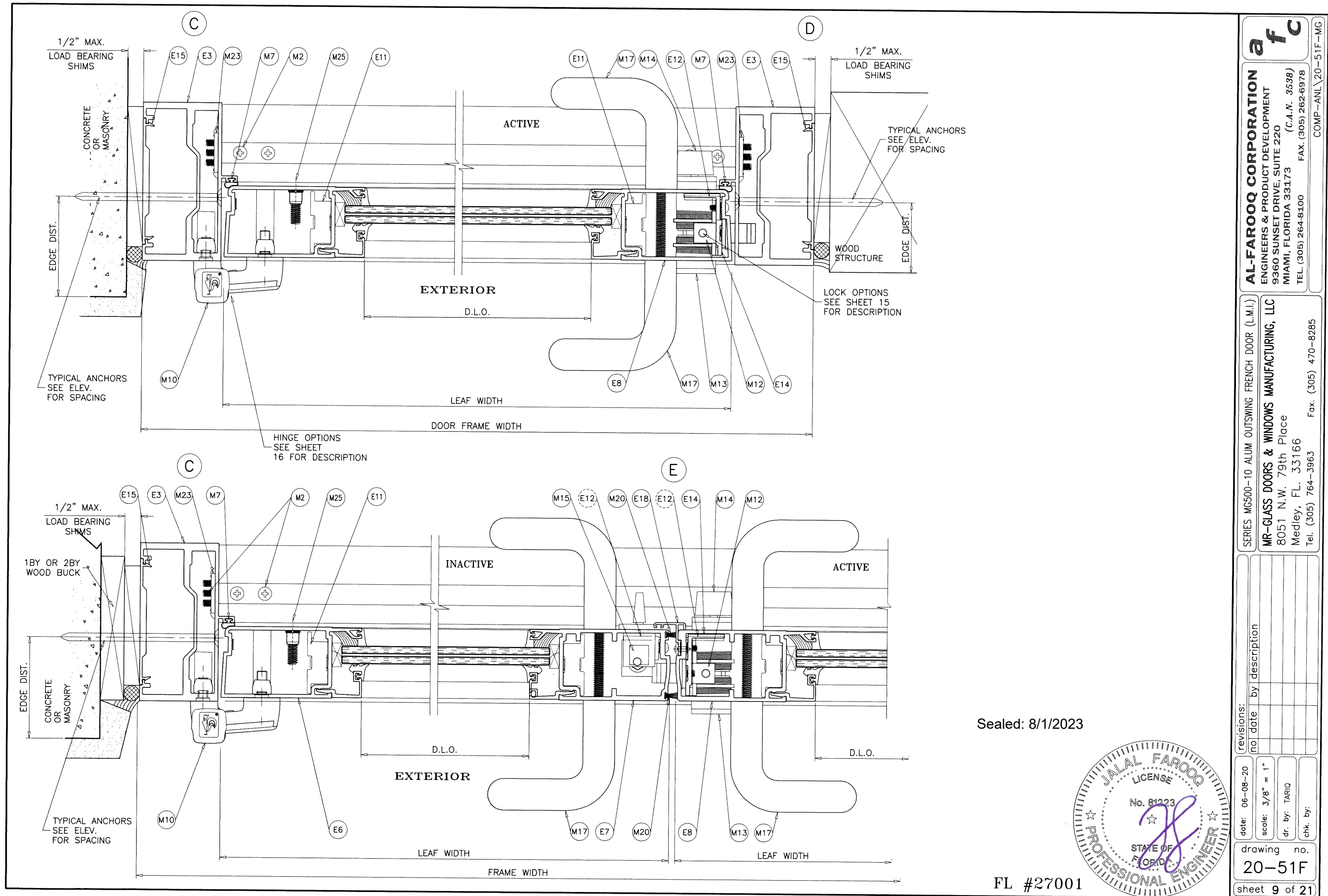
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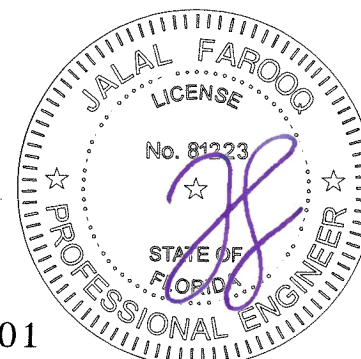
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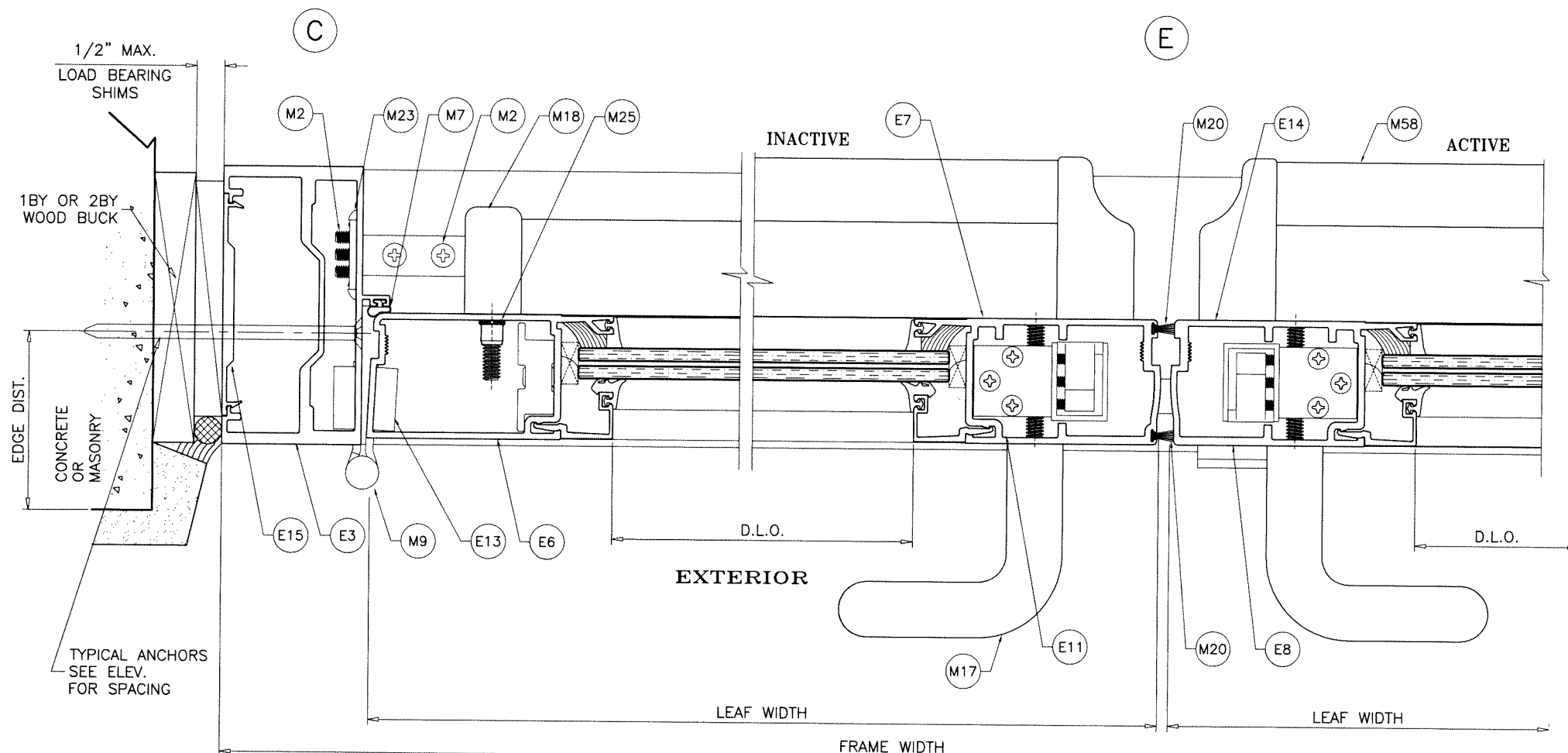
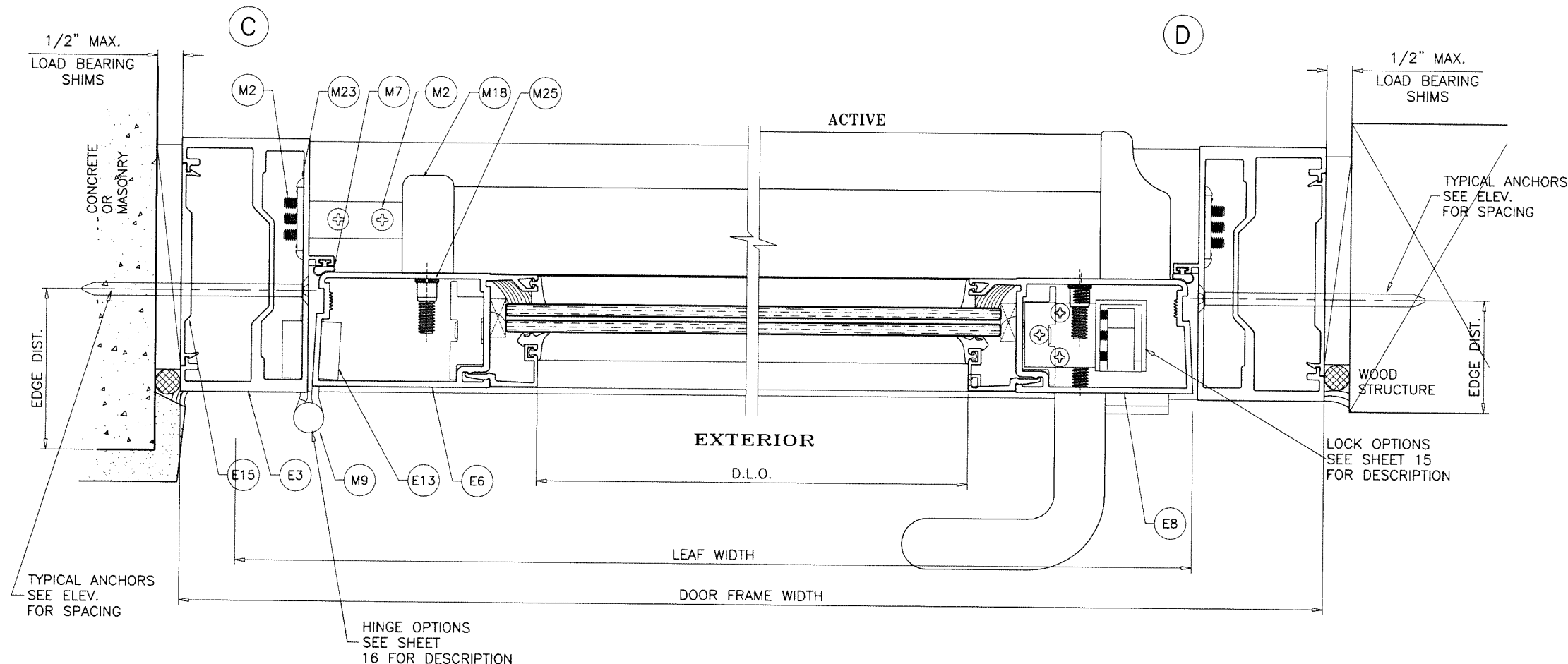
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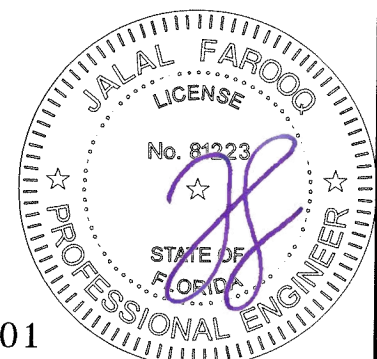
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sheet 9 of 21			



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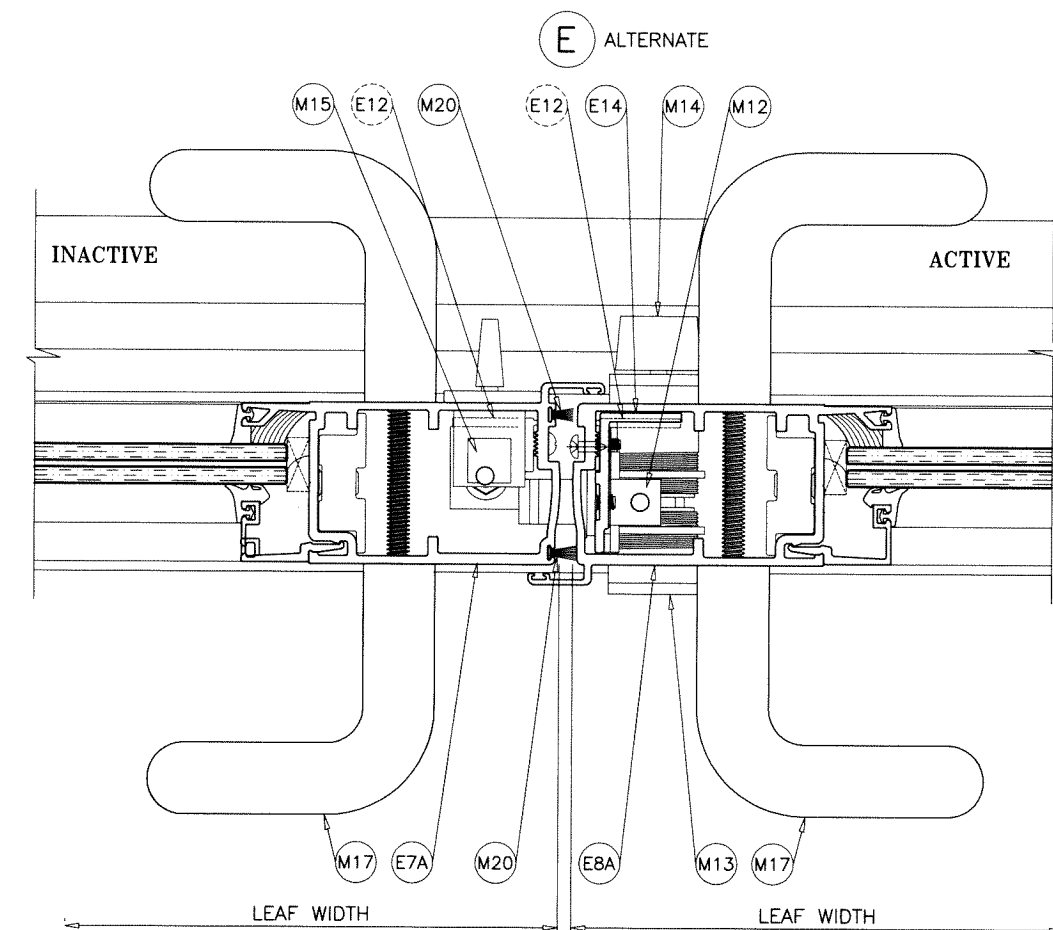
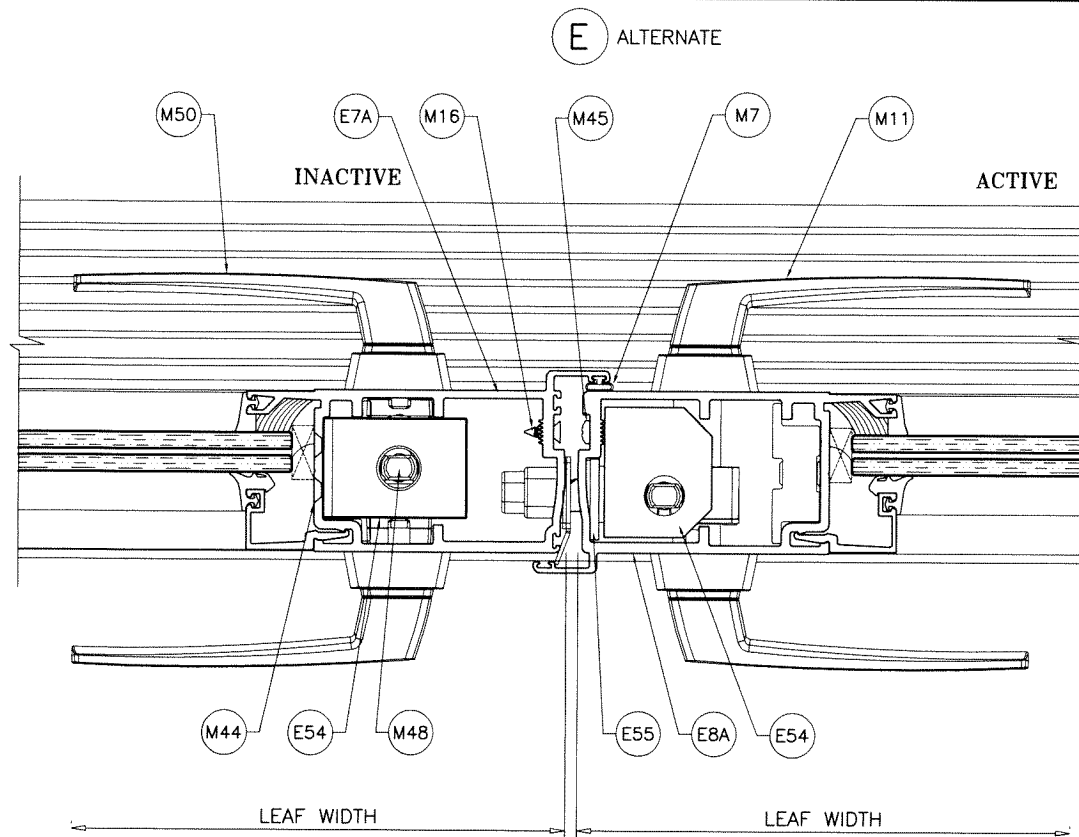


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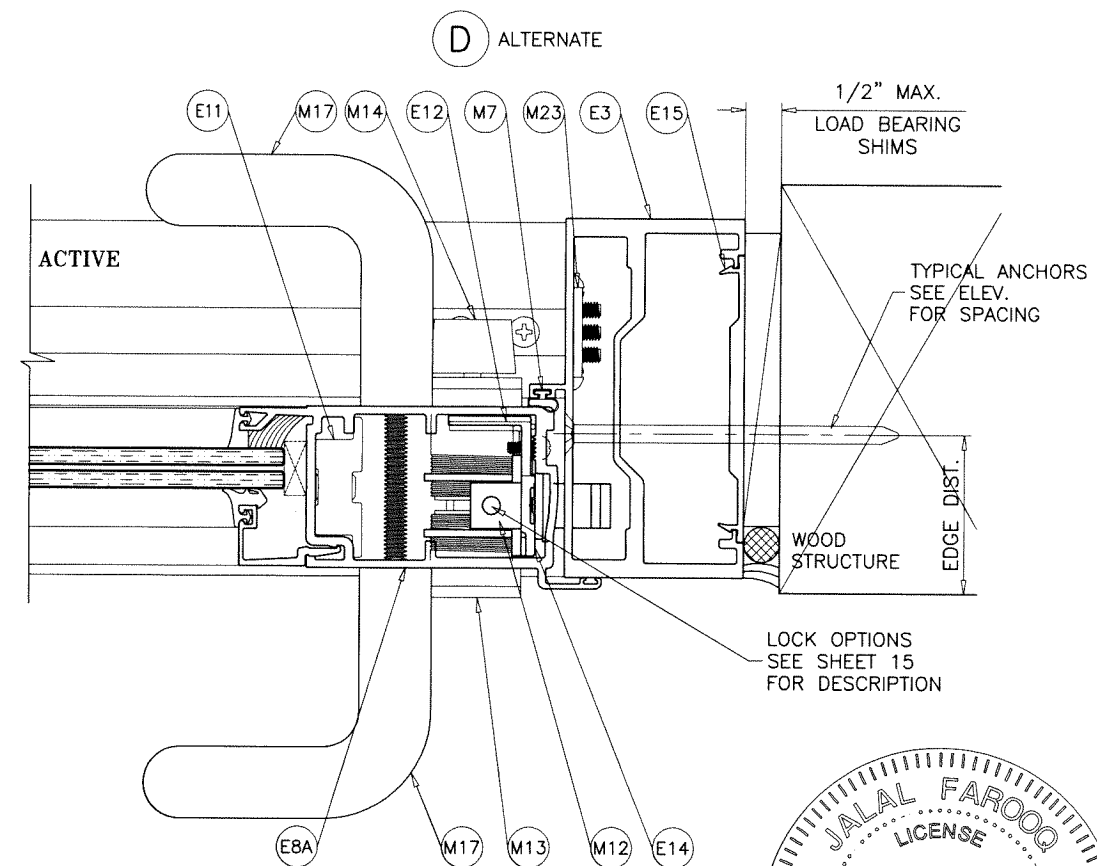
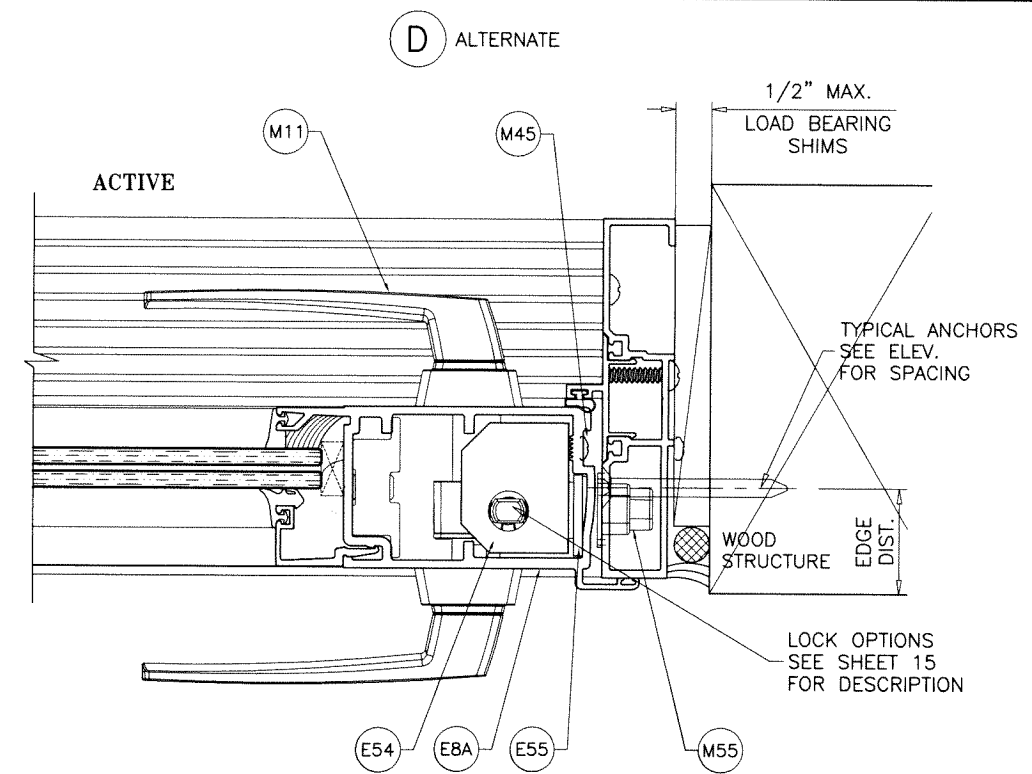
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sheet	10 of 21		

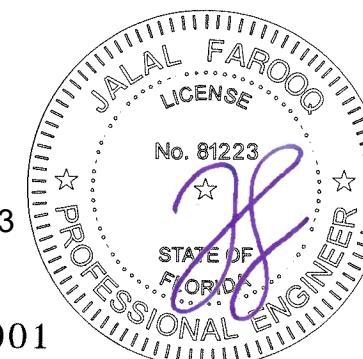


ALT. MEETING STILES NOT APPROVED FOR DOORS
WITH PANIC EXIT DEVICES.



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FL #27001

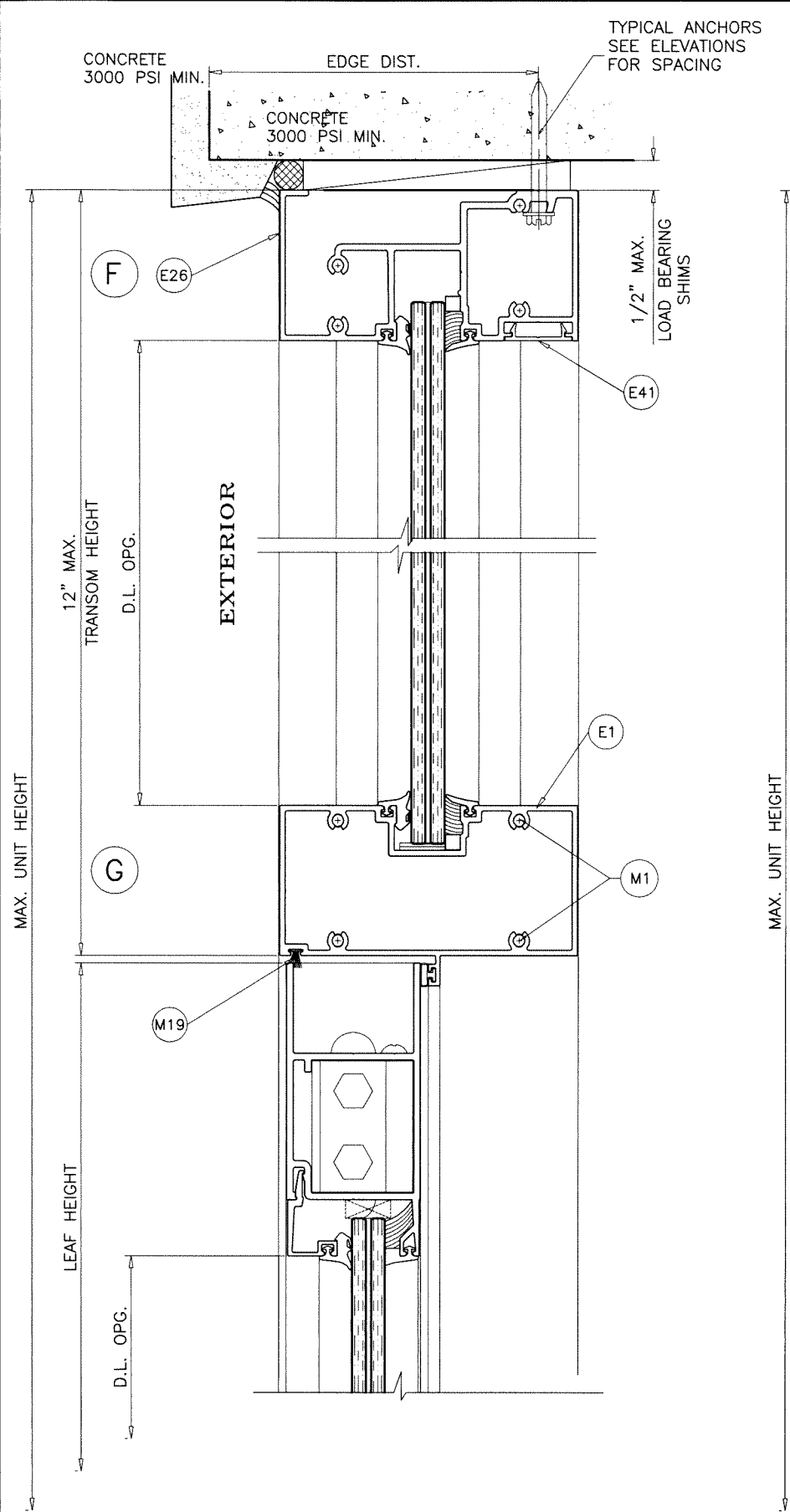


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MIAMI, FLORIDA 33173 (C.A.N. 3538)
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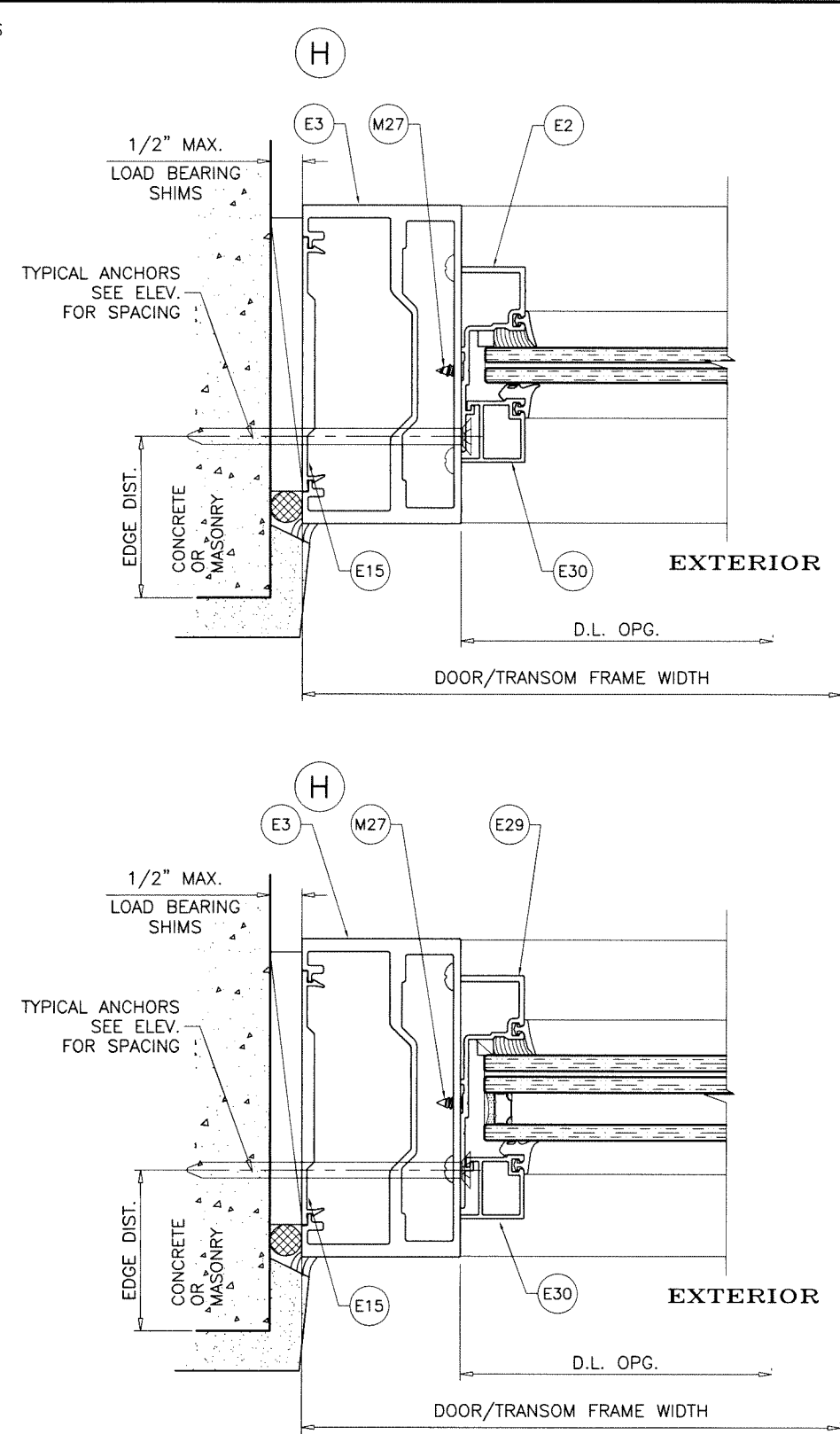
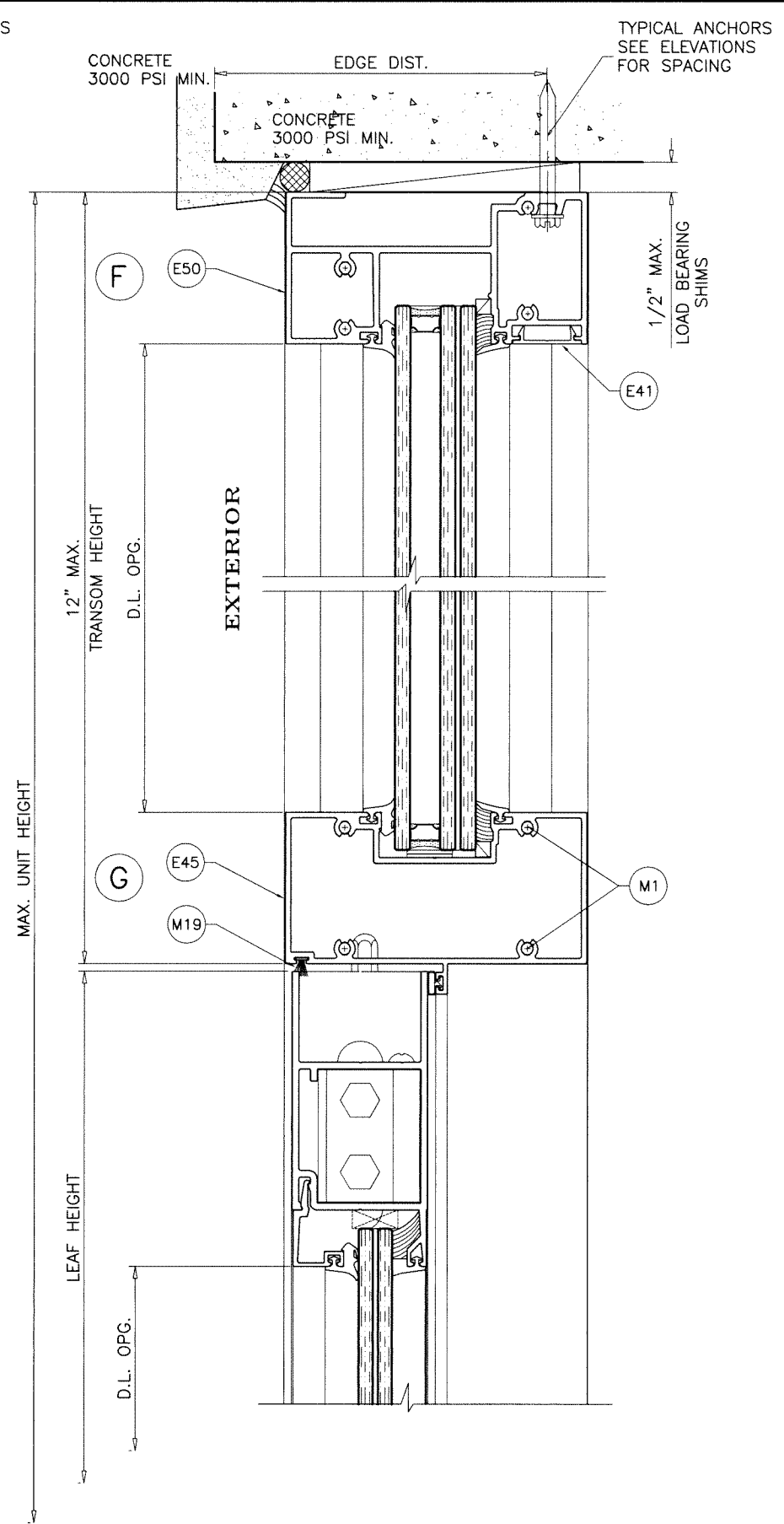
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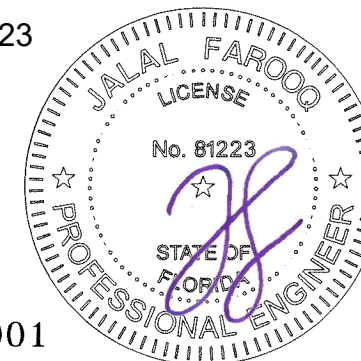
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drawing no. 20-51F			
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TRANSOM
ES-9500 FRAMES



Sealed: 8/1/2023

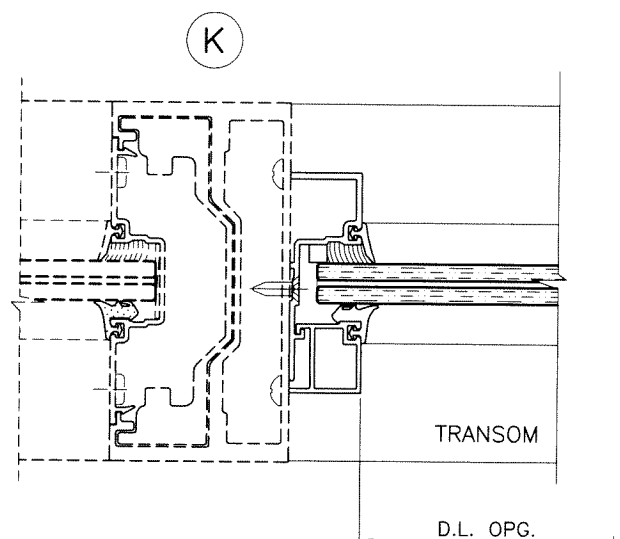
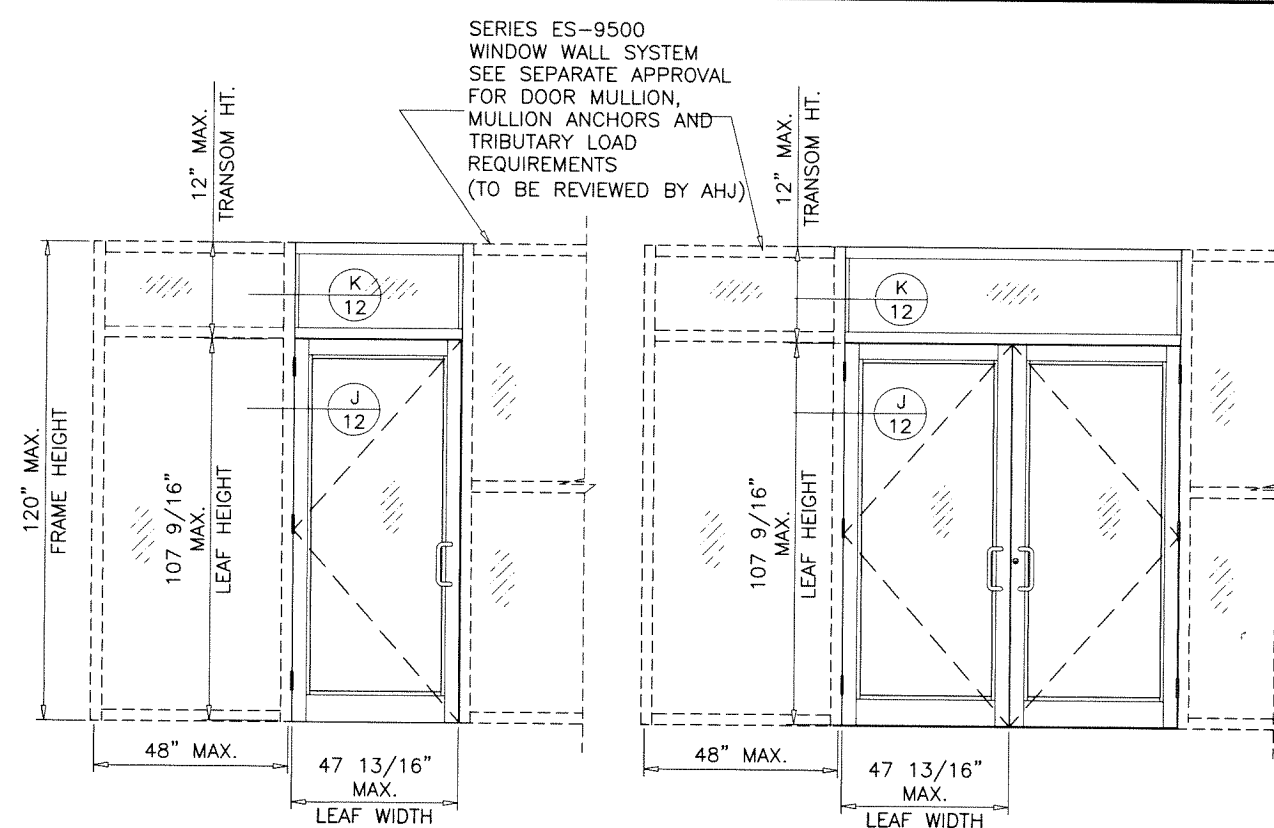
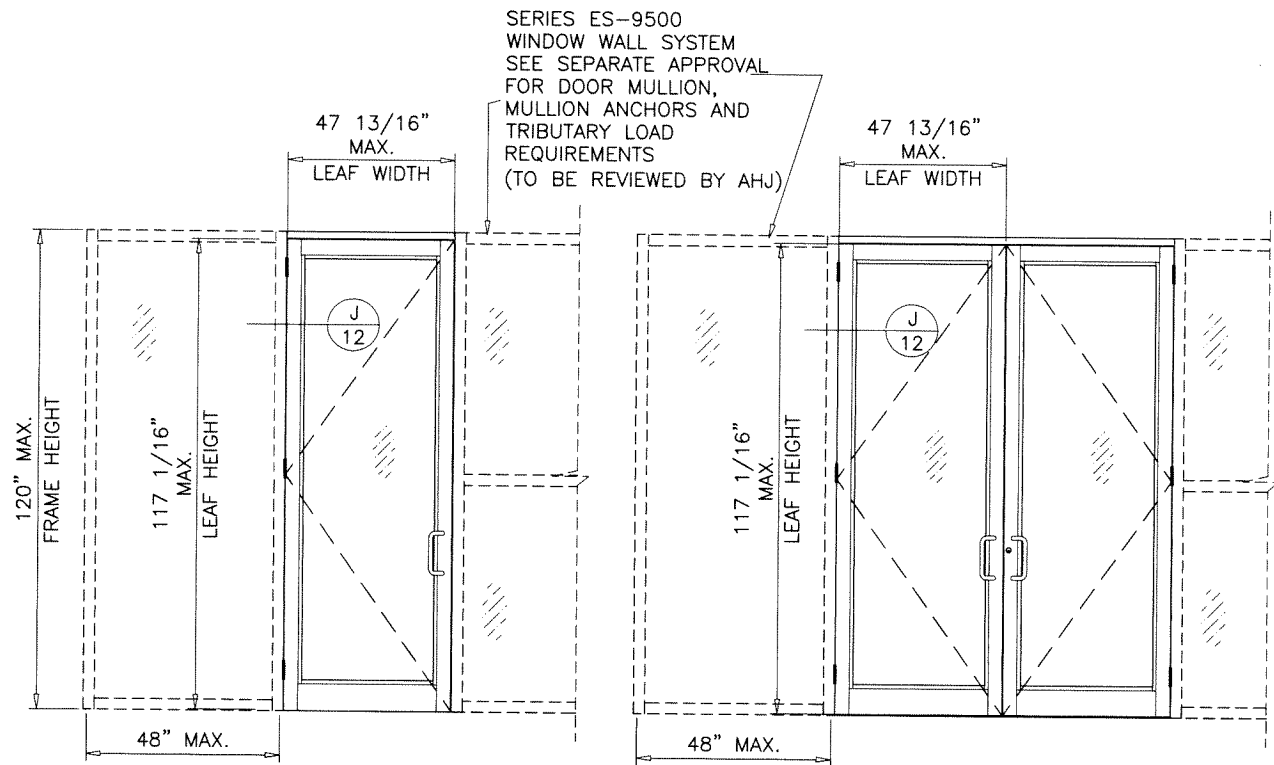


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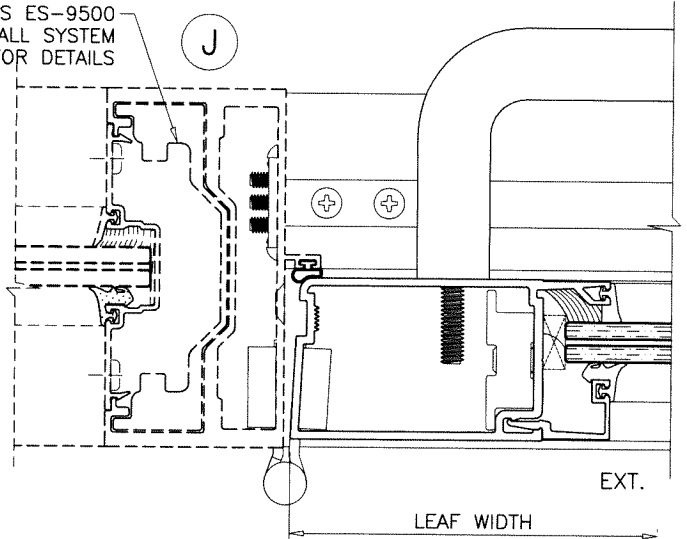
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AL-FAROOQ CORPORATION
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MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978
COMP-ANL 20-51F-MG

SERIES MC500-10 ALUM OUTSWING FRENCH DOOR (L.M.I.)
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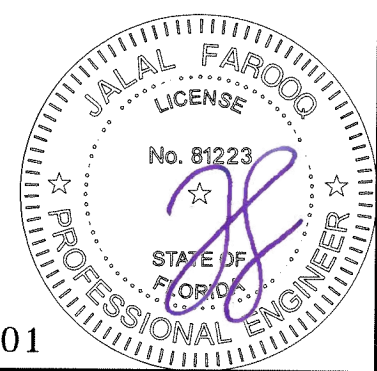
REINFORCING WILL VARY
SEE CURRENT APPROVAL OF
SERIES ES-9500
WINDOW WALL SYSTEM
FOR DETAILS



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



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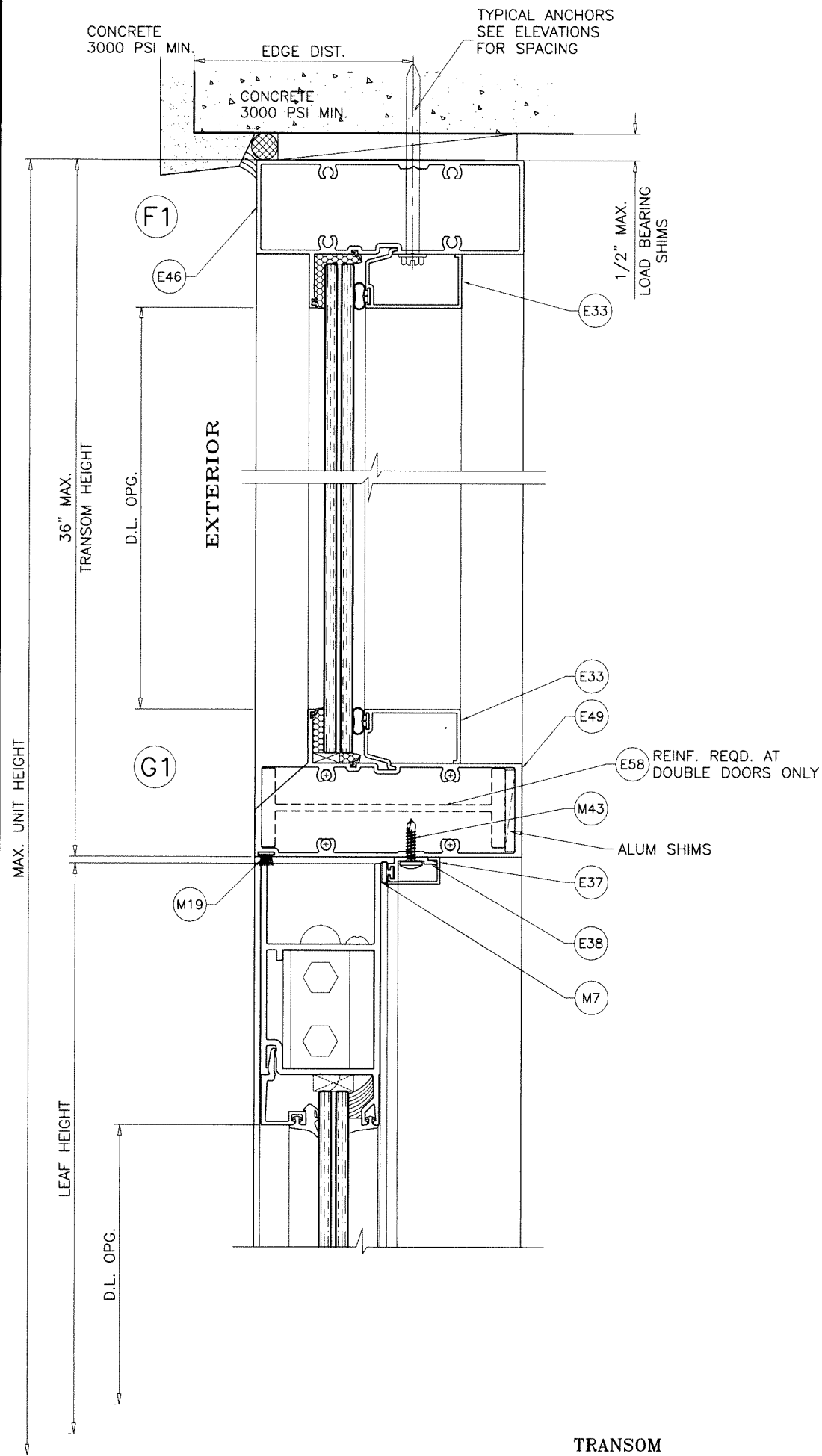
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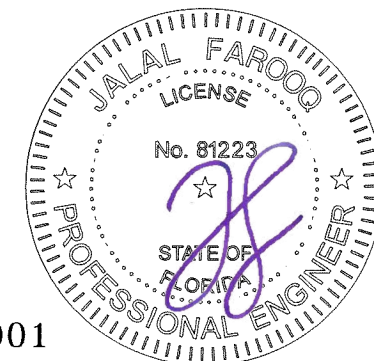
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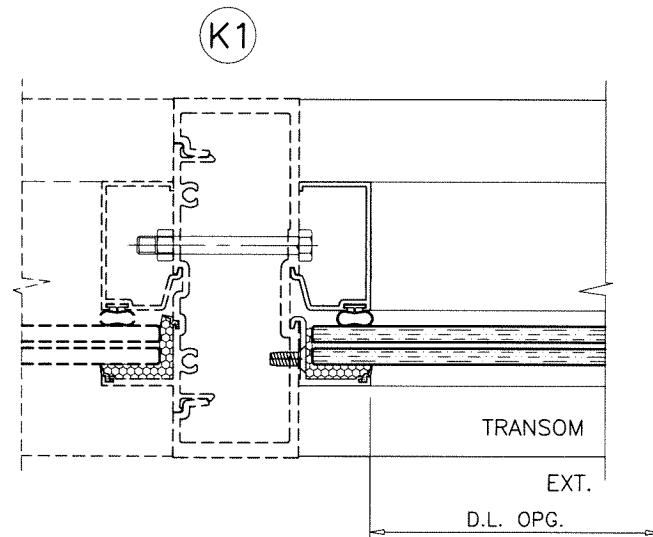
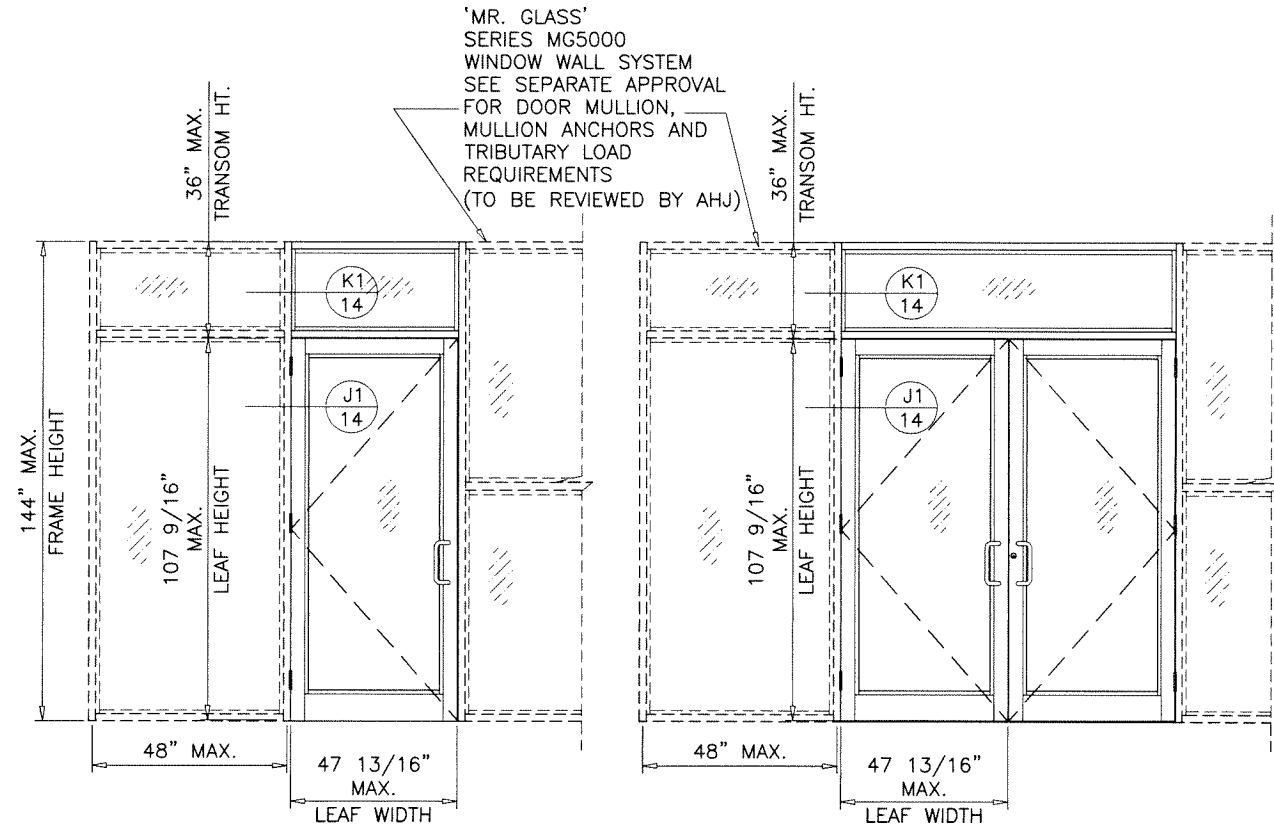
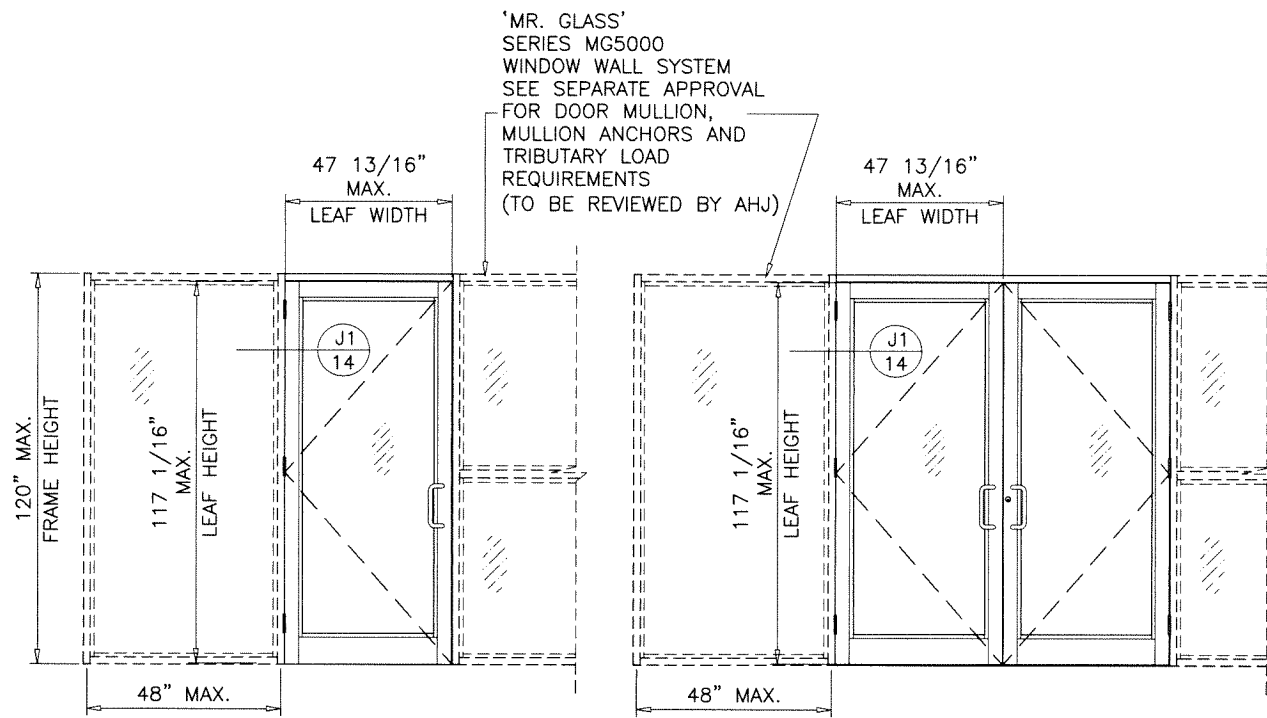
TRANSOM
SERIES MG5000 FRAMES OPTION

Sealed: 8/1/2023

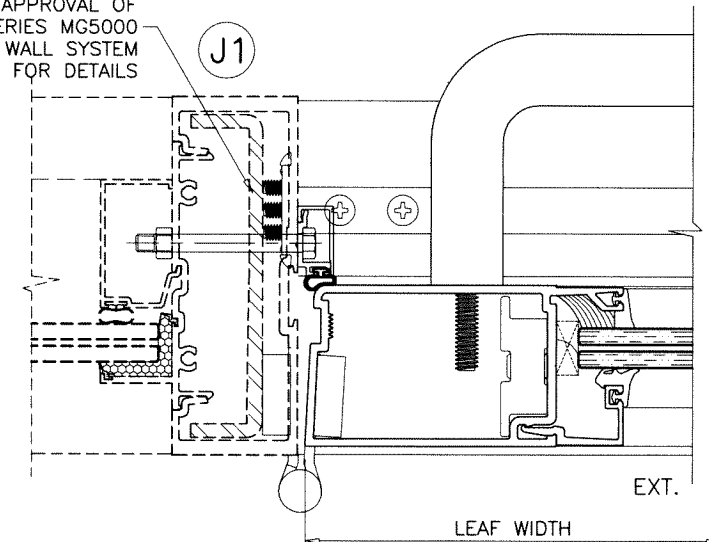


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af c AL-FAROOQ CORPORATION ENGINEERS & PRODUCT DEVELOPMENT 9360 SUNSET DRIVE, SUITE 220 MIAMI, FLORIDA 33173 TEL. (305) 264-8100 FAX. (305) 262-6978 COMP-ANL\20-51F-MG																					
SERIES MG500-10 ALUM OUTSWING FRENCH DOOR (L.M.I.) MR-GLASS 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																					



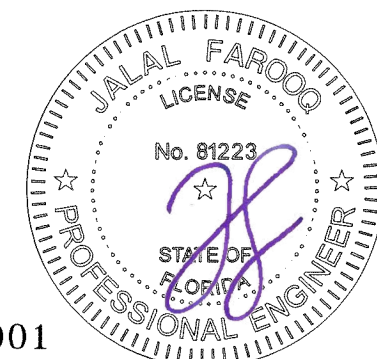
REINFORCING WILL VARY
SEE CURRENT APPROVAL OF
SERIES MG5000
WINDOW WALL SYSTEM
FOR DETAILS



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



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af c

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chk. by:

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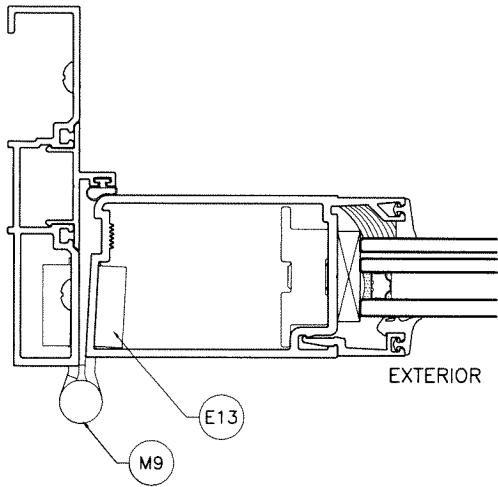
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sheet 14 of 21

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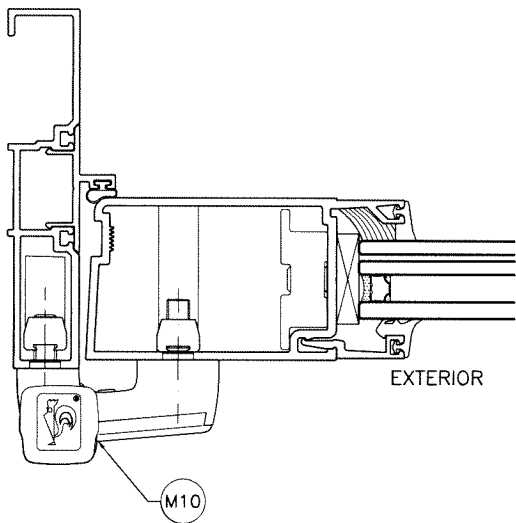
OPTION #1:

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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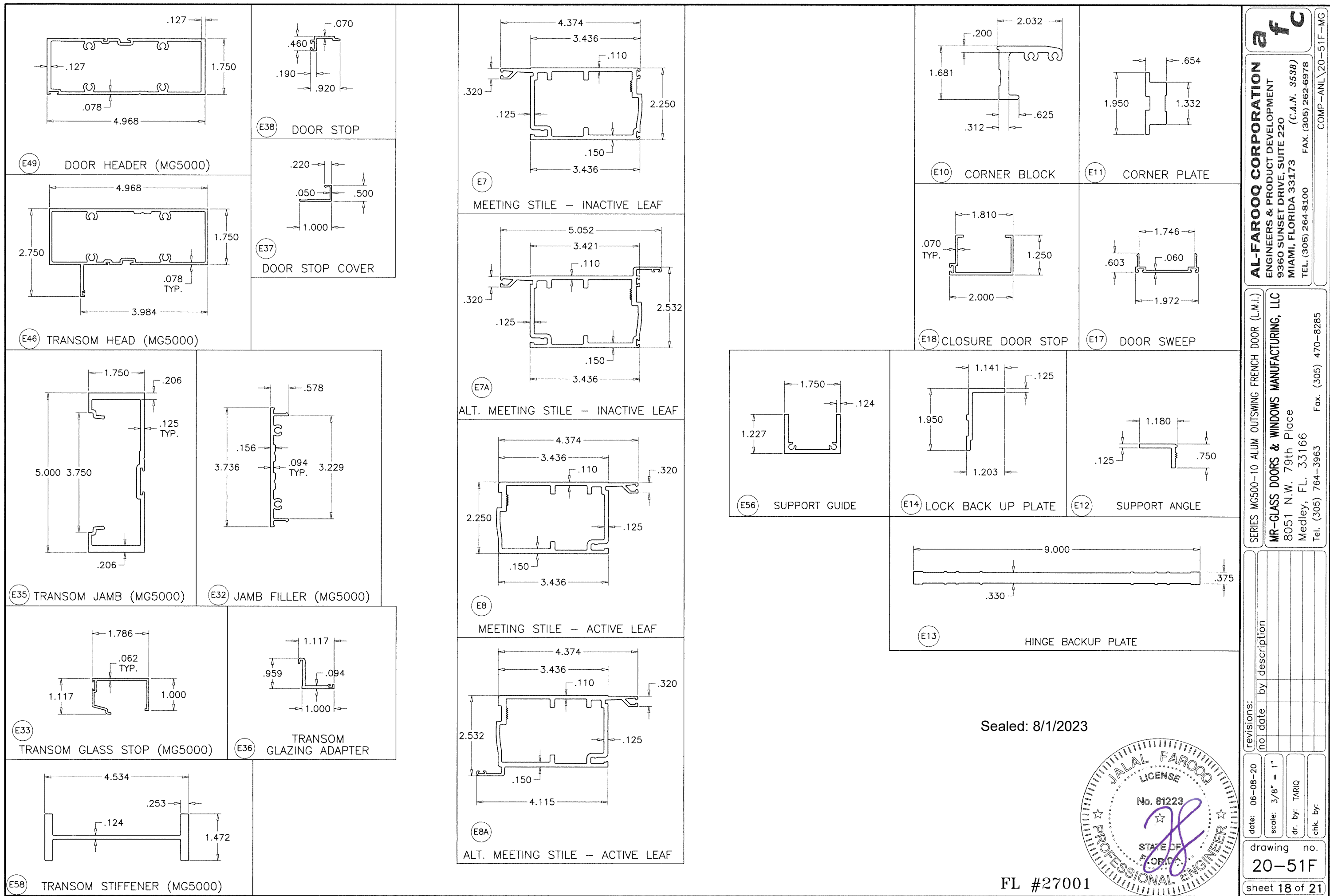
a f c
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TEL. (305) 264-8100 FAX. (305) 262-6978
(C.A.N. 3538)

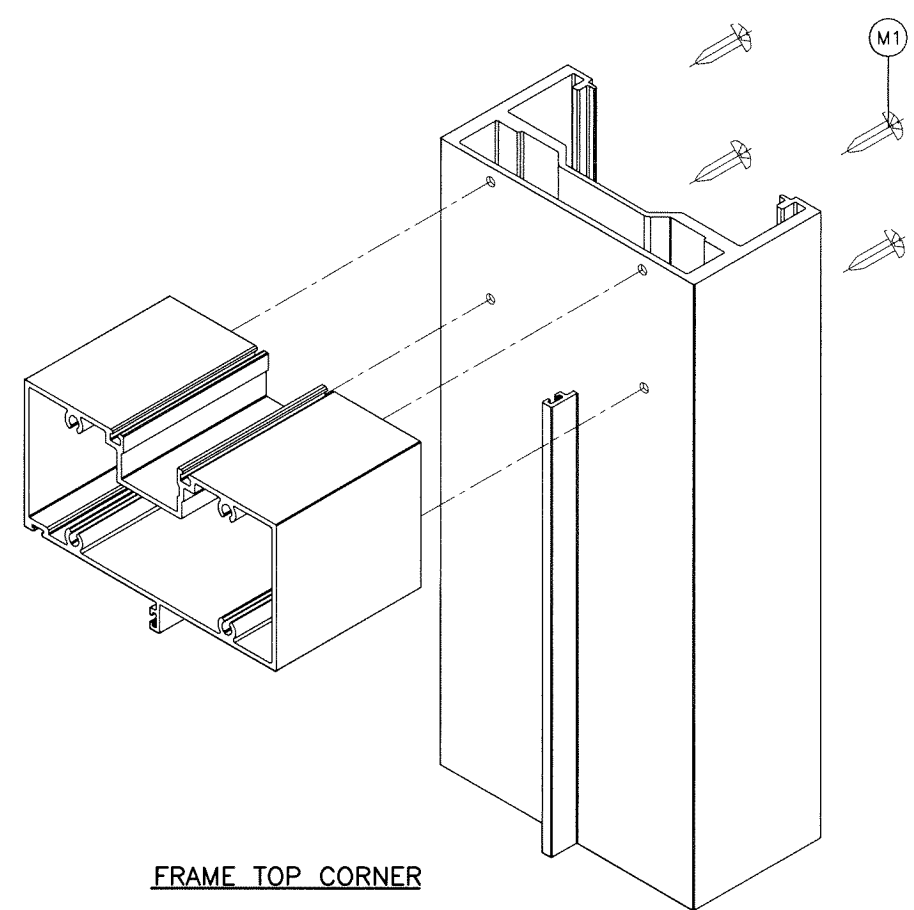
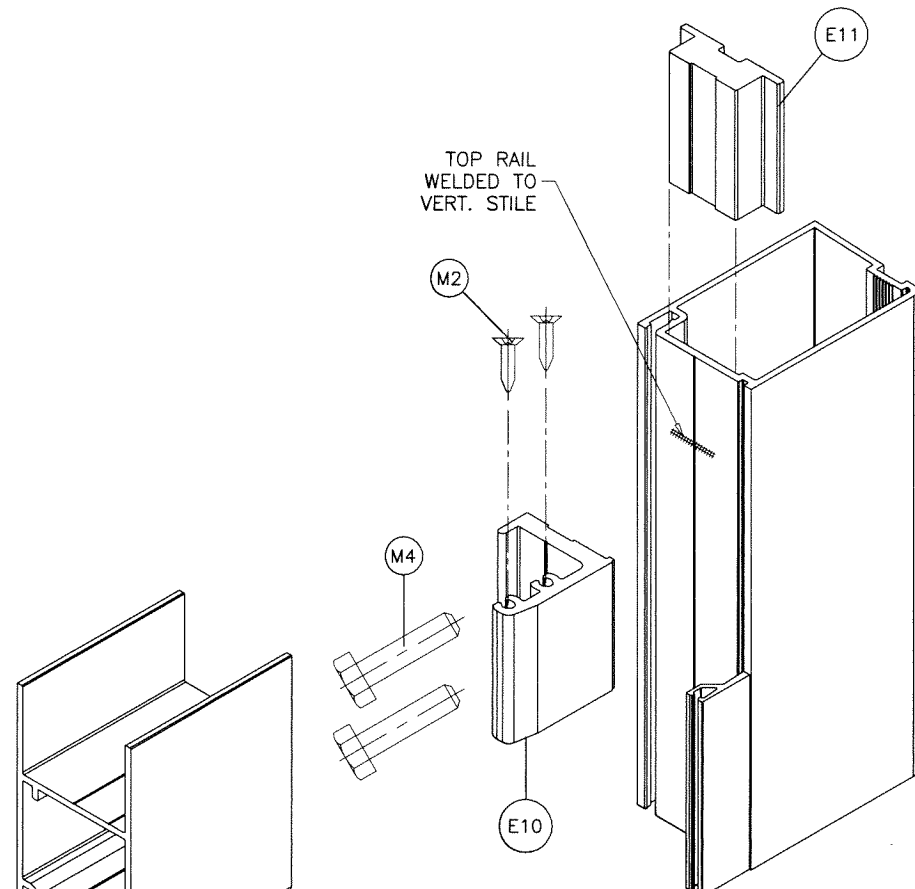
SERIES MG500-10 ALUM OUTSWING FRENCH DOOR (L.M.I.)
MR-GLASS DOORS & WINDOWS MANUFACTURING, LLC
8051 N.W. 79th Place
Medley, FL. 33166
Tel. (305) 764-3963 Fax. (305) 470-8285

revisions:	
no	date by description

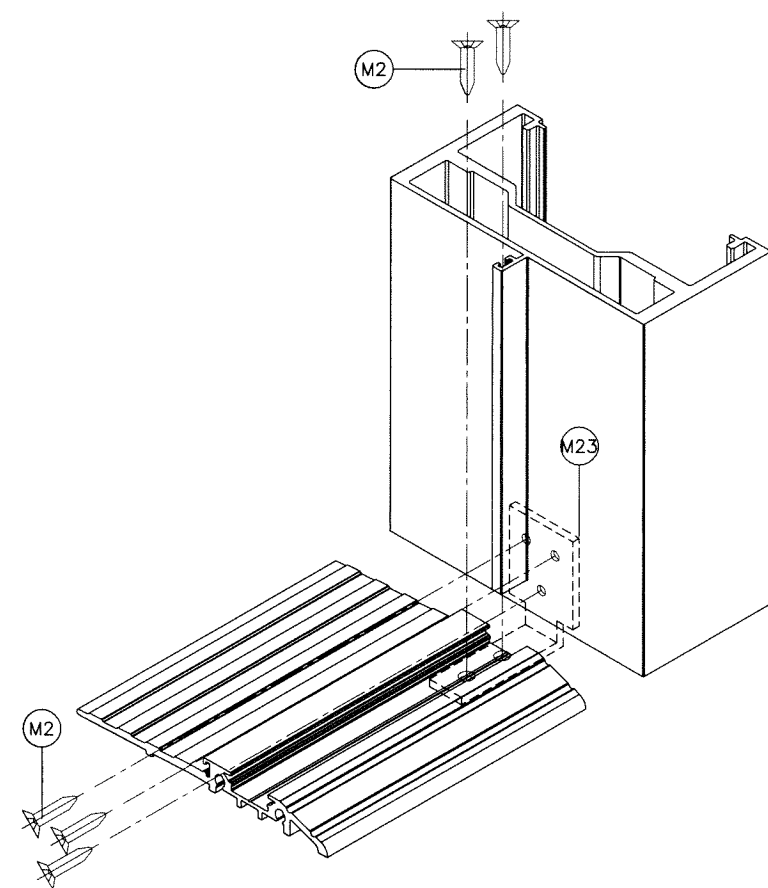
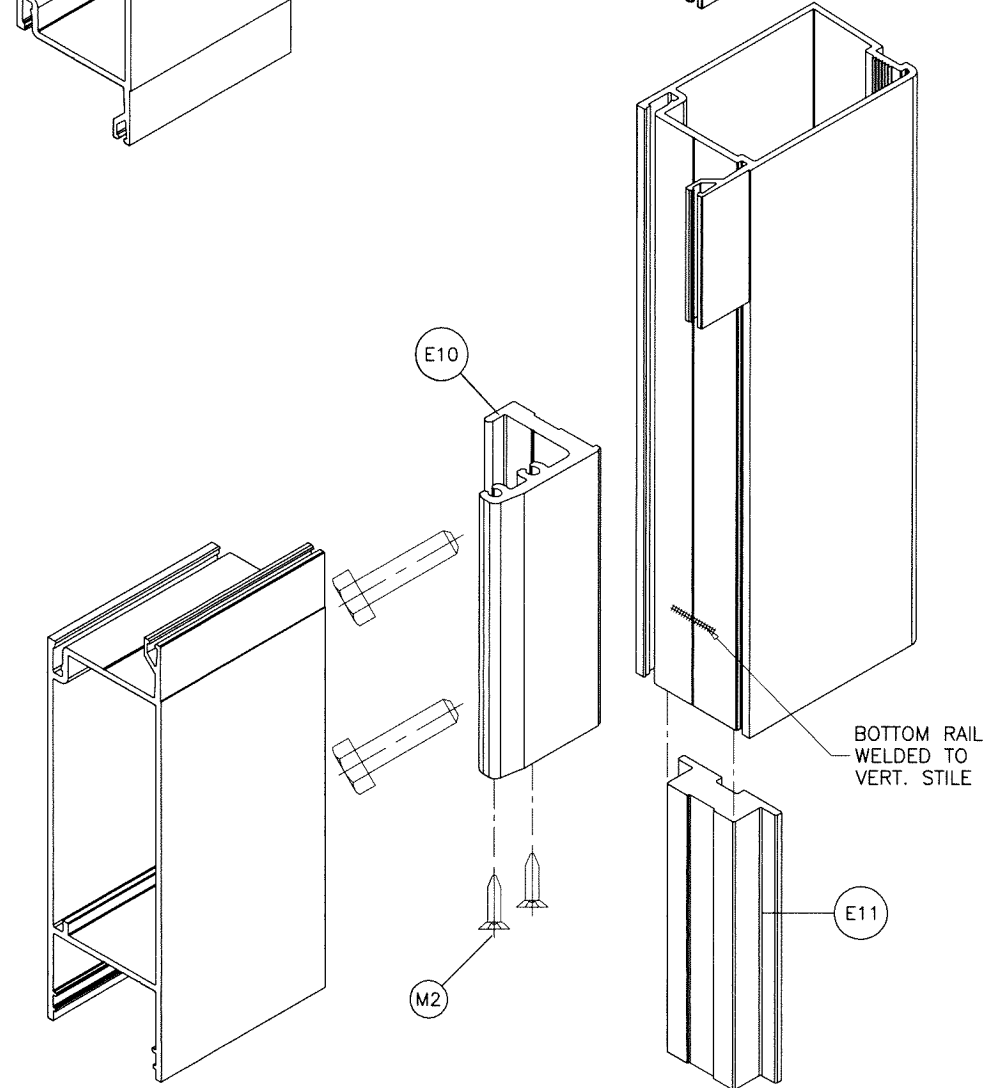
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sheet 16 of 21			

COMP-ANI\20-51F-MG





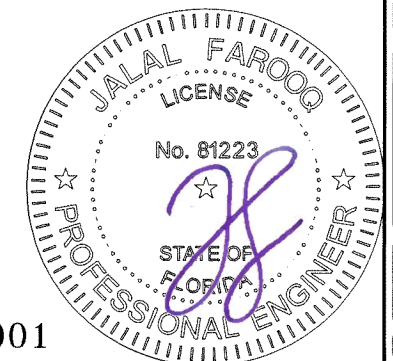
FRAME TOP CORNER



THRESHOLD CORNER

Sealed: 8/1/2023

FL #27001



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
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revisions:

no	date	description

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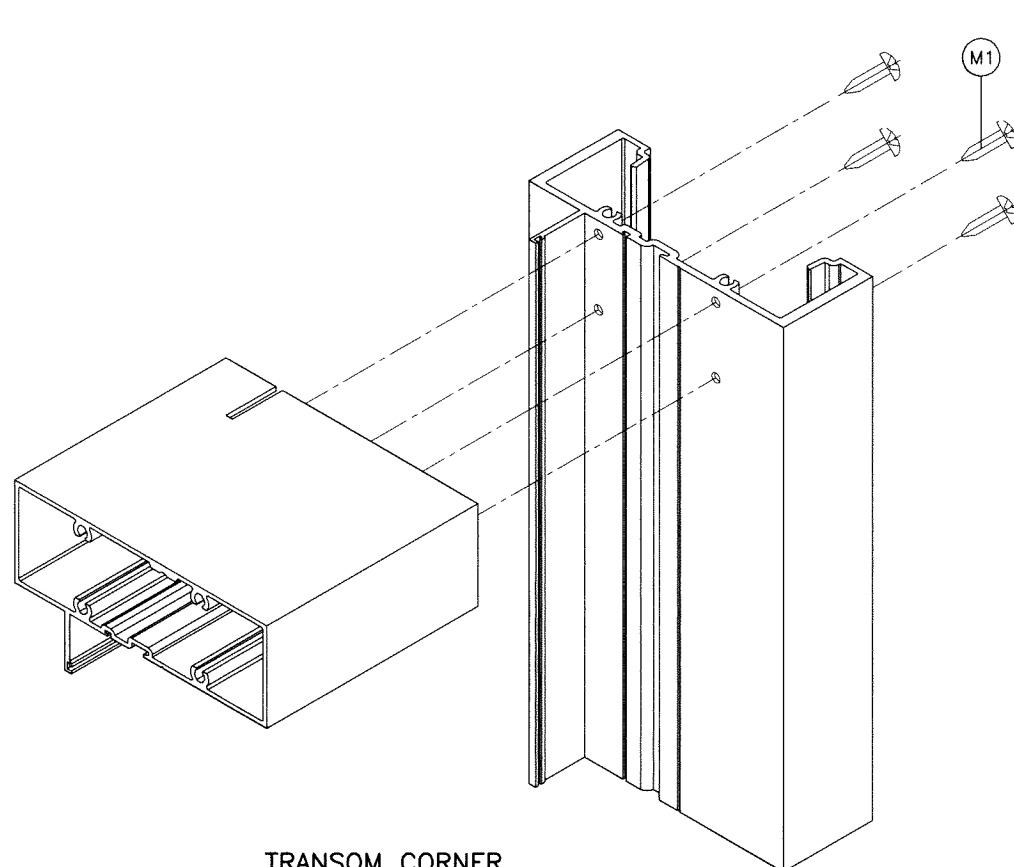
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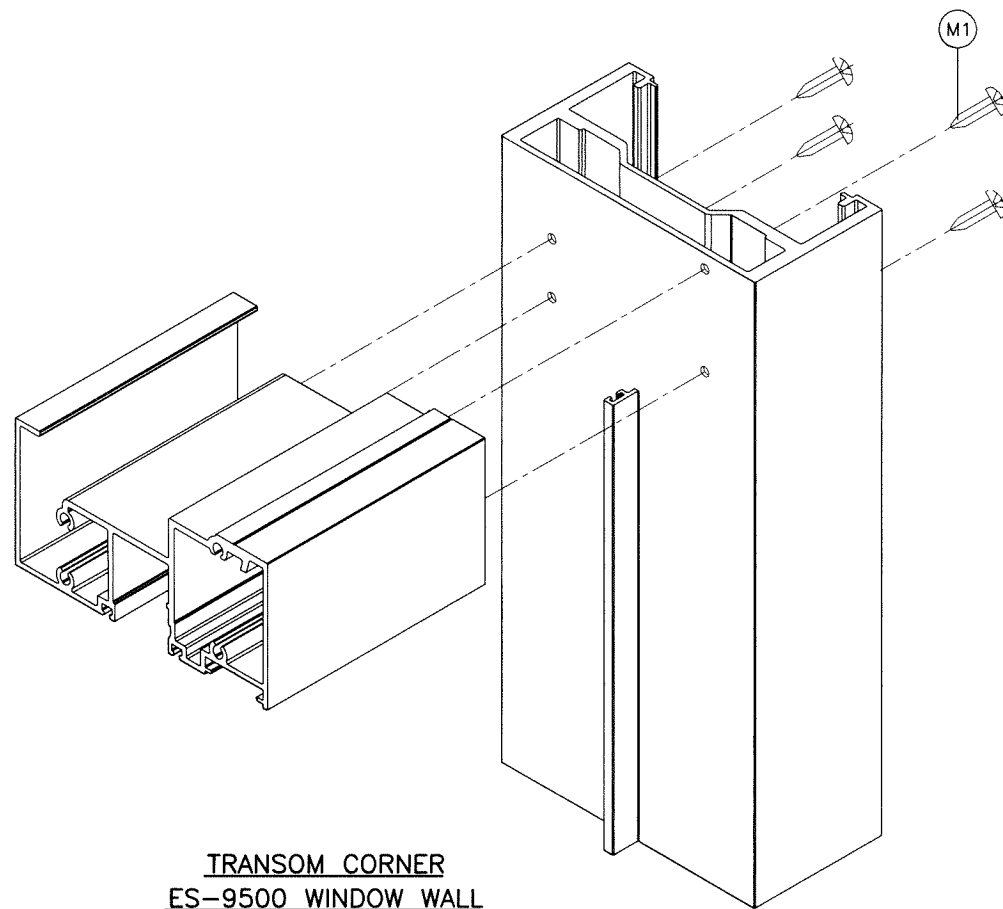
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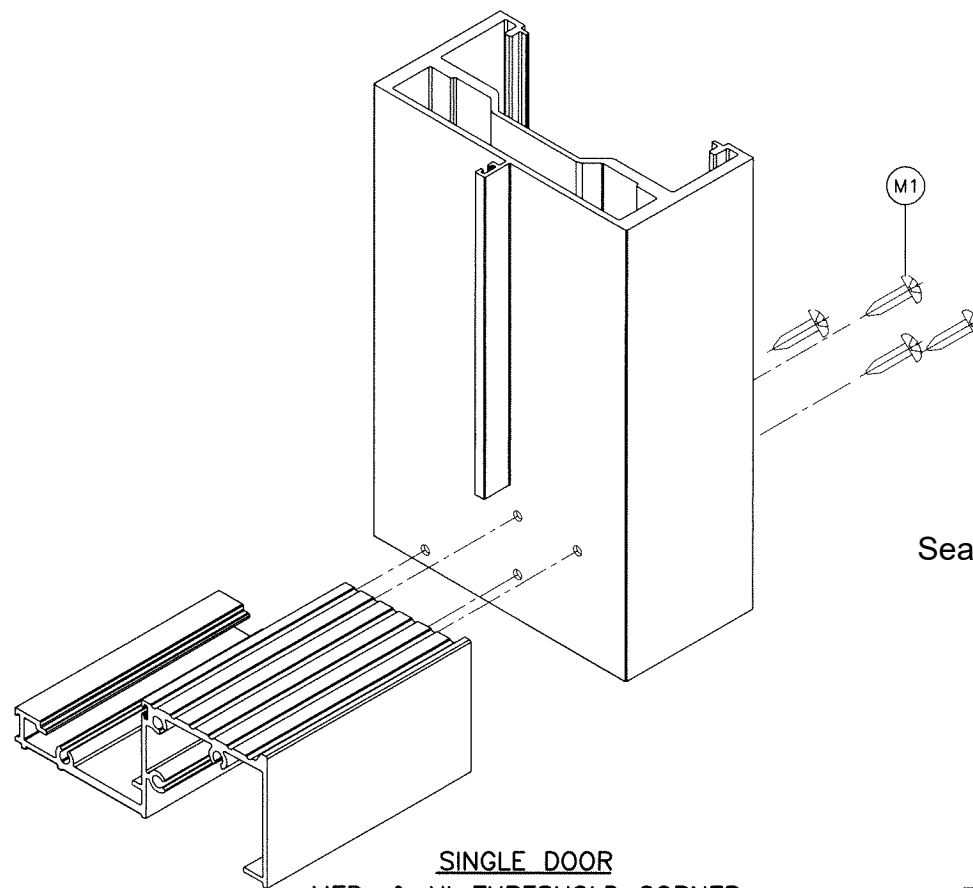
sheet 20 of 21



TRANSOM CORNER
SERIES MG5000 WINDOW WALL

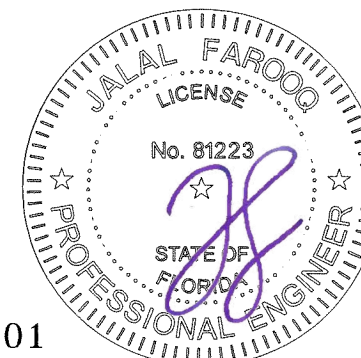


TRANSOM CORNER
ES-9500 WINDOW WALL



SINGLE DOOR
MED. & HI-THRESHOLD CORNER

Sealed: 8/1/2023



AL-FAROOQ CORPORATION
ENGINEERS & PRODUCT DEVELOPMENT
9360 SUNSET DRIVE, SUITE 220
MIAMI, FLORIDA 33173
TEL. (305) 264-8100 FAX. (305) 262-6978

a f c
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
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revisions:	
no	description

date: 06-08-20
scale: -
dr. by: TARIQ
chk. by:

drawing no.
20-51F
sheet 21 of 21

FL #27001