

TECNOGLASS, LLC
SERIES 7000 ALUMINUM CURTAIN WALL
LARGE AND SMALL MISSILE IMPACT

GENERAL NOTES:

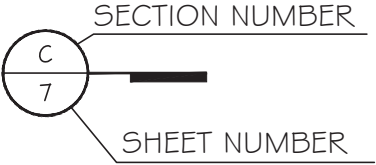
- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION OF FLORIDA BUILDING CODE 2023 INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- PRODUCTS ARE RATED FOR LARGE AND SMALL MISSILE IMPACT. USE SMALL MISSILE FOR ELEVATIONS 30'-0" ABOVE GRADE OR HIGHER.USE LARGE MISSILE FOR ELEVATIONS LOWER THAN 30'-0" ABOVE GRADE.
- THESE PRODUCTS ARE APPROVED FOR AIR AND WATER INFILTRATION.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/ METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 8TH EDITION OF FLORIDA BUILDING CODE 2023 SECTION AS APPLICABLE.
- METAL STRUCTURES BY OTHERS TO BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.
- ULTIMATE LOAD OBTAINED FROM ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.
- SEALANT:
ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICONE SEALANT.
- 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.

USE CHARTS AS FOLLOWS.

- STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD OR WIND TUNNEL REPORTS.
- STEP 2: SEE SHEET E1 & E2 FOR APPROVED TYPICAL ELEVATION & CONFIGURATION.
- STEP 3: SEE SHEET G1 FOR GLASS TYPES. SILL ANCHOR OPTION SEE SHEET A1. ANCHOR LAYOUT SEE SHEET E1 & E2.
- STEP 4: THE LOWEST VALUE RESULTING FROM STEPS 2 & 3 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM.

ABBREVIATIONS AND SYMBOLS

- G.B. - GLASS BITE
D.L.O. - DAYLITE OPENING
F.H. - FRAME HEIGHT
F.W. - FRAME WIDTH
W/ - WITH
W/O - WITHOUT
O.C. - ON CENTER
O.H. - OPPOSITE HAND
OPP.- OPPOSITE



LIMITATIONS OF USE

A- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT. I.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.

B- 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.

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

D- 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.

E- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

FLORIDA APPROVAL:
FL#28879.6

YIPING WING
FLORIDA REGISTRATION
#55983
C.A.N. 28637
No 55983
STATE OF FLORIDA
PROFESSIONAL ENGINEER
March 07th, 2024

SERIES 7000 CURTAIN WALL LARGE AND SMALL MISSILE IMPACT

TECNOGLASS, LLC
3550 NW 49TH STREET
MIAMI, FL 33142
PH: (305)–342–0890 FAX (786) 513–3965

COVER

DATE	03.05.2024
SCALE	AS SHOWN
DRAWN	James
PROJECT	

DRAWING NO.
AD24–05

01 OF 33

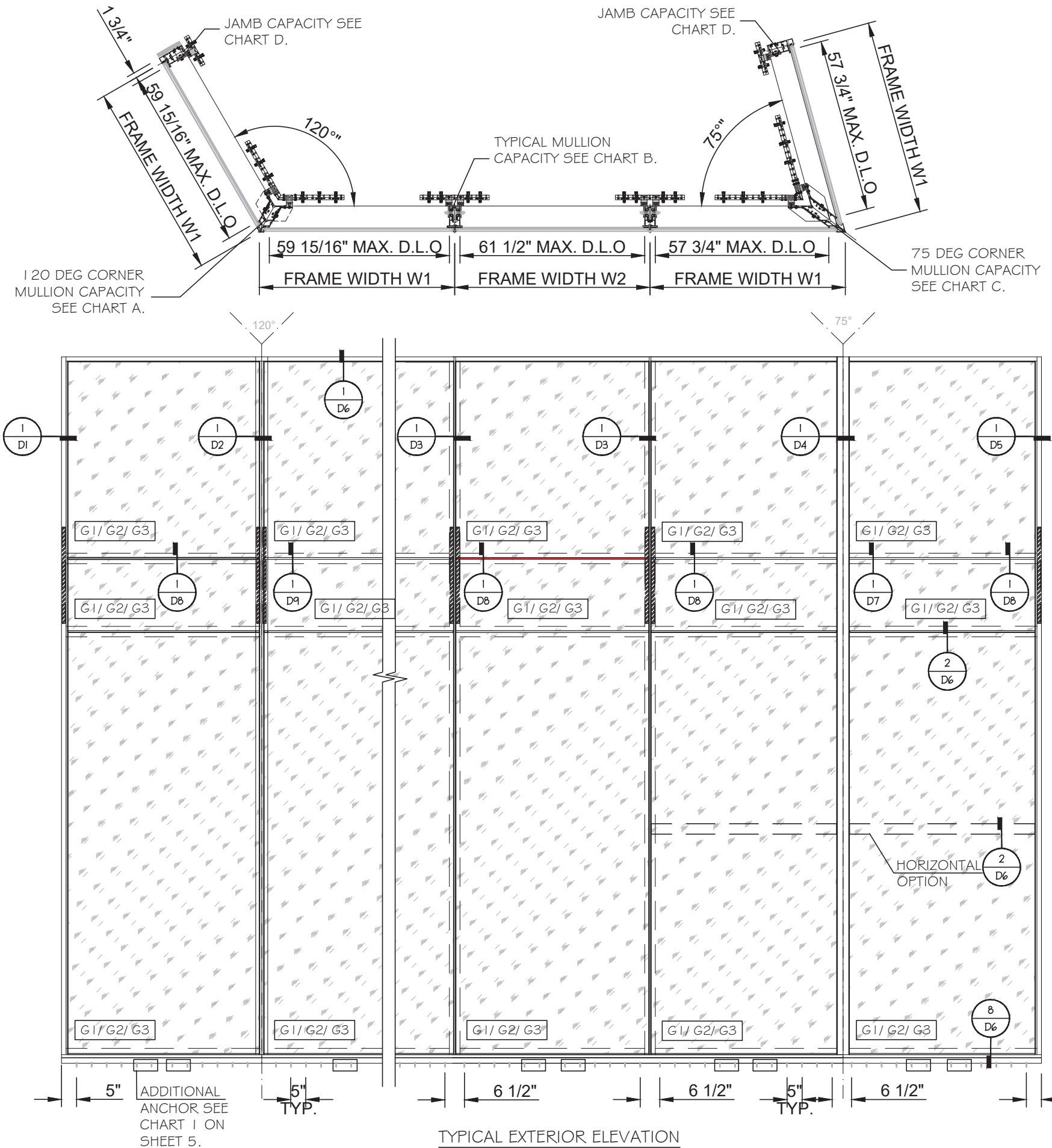
MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIARAMAR PARKWAY #301
MIRAMAR, FL 33027
www.MCYEngineering.com

P: 305.271.0117
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MCY@mcyengineering.com

REVISIONS

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R0	02.21.2024	NEW



ALLOWABLE DESIGN LOADS-PSF				
GLASS TYPE	IMPACT	D.L.O.		Pd(PSF)
		WIDTH	HEIGHT	
G1	LMI	56.5	103.69	+150/-170
G2	SMI	60	137	+150/-170
	SMI	56.5	137	+150/-170
G3	SMI	56.5	103.69	+150/-170

NOTE: FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC.

CHART A
120 DEG CORNER MULLION DESIGN LOAD

FRAME WIDTH W=W1 (INCH)	REINF.	Pd(PSF)
65	W/O	+/-122.9
65	W/	+/-147.4
56.5	W/	+150/-170
47	W/O	+150/-170

CHART B
TYPICAL MULLION DESIGN LOAD

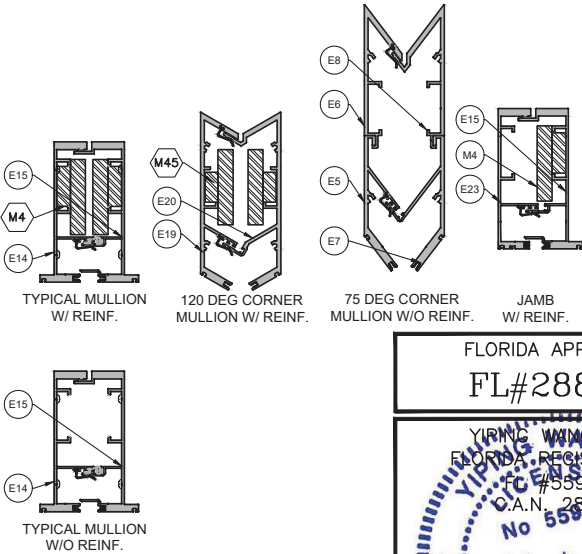
FRAME WIDTH W = (W1 + W2)/2 (INCH)	REINF.	Pd(PSF)
65	W/	+150/-156
60	W/	+150/-170

CHART C
75 DEG CORNER MULLION DESIGN LOAD

FRAME WIDTH W = W1 (INCH)	REINF.	Pd(PSF)
65	W/O	+150/-170

CHART D
JAMB DESIGN LOAD

FRAME WIDTH W (INCH)	REINF.	Pd(PSF)
65	W/	+150/-170



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E1

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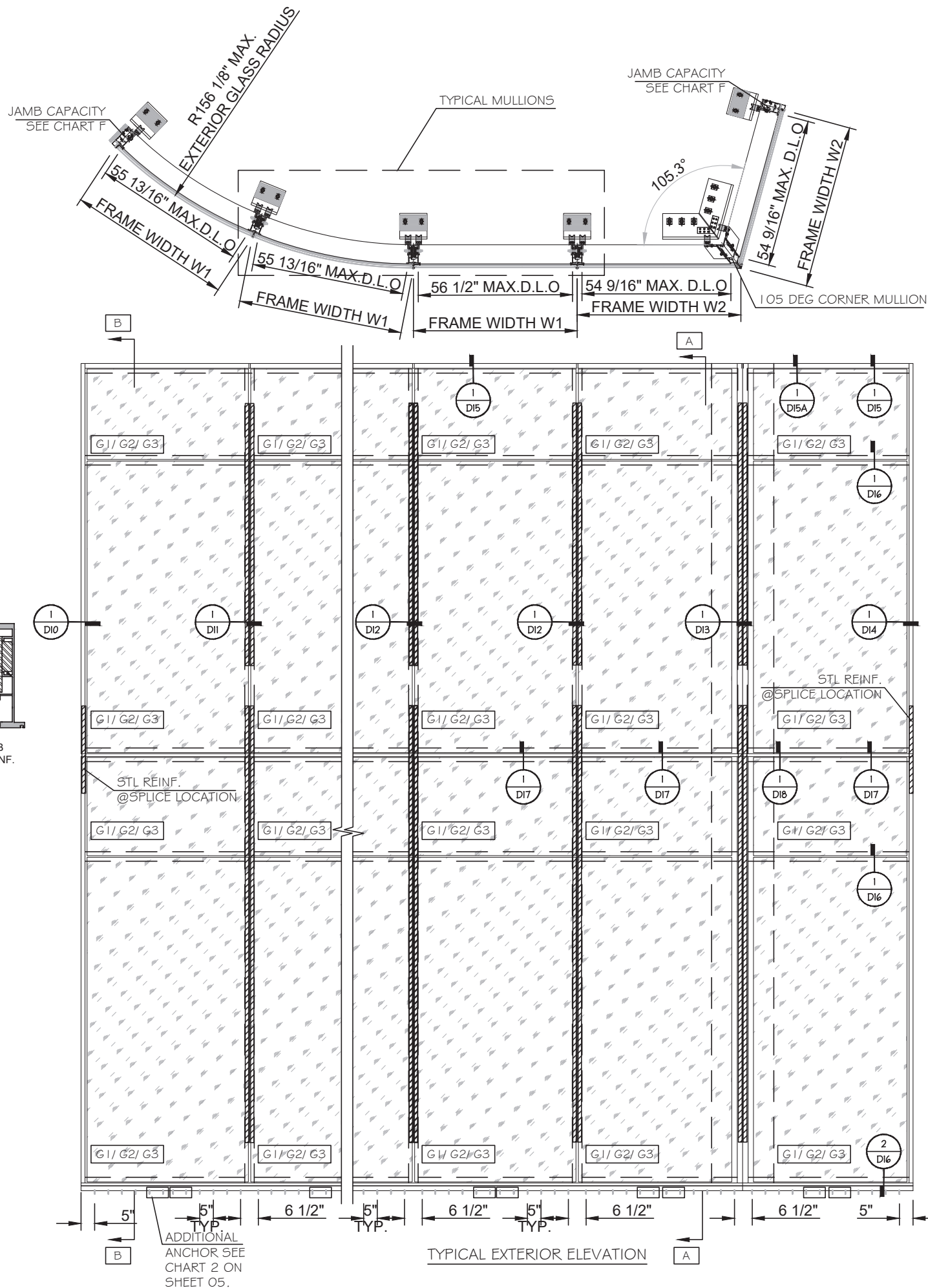
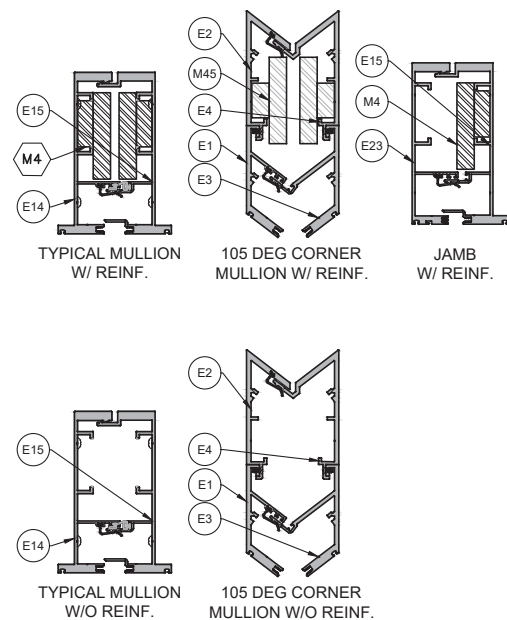
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105 DEG CORNER MULLION DESIGN LOAD		
FRAME WIDTH W=W2 (INCH)	REINF.	Pd(Psf)
60	W/O	+/- 121.6
60	W/	+150/-164
36	W/O	+150/-200
50	W/	+150/-200

TYPICAL MULLION DESIGN LOAD		
FRAME WIDTH W=(W1+W2)/2 (INCH)	REINF.	Pd(PsF)
60	W/O	+150/-188.4
56.5	W/	+150/-200

JAMB DESIGN LOAD		
FRAME WIDTH W (INCH)	REINF.	Pd(PSF)
60	W/	+150/-200



ALLOWABLE DESIGN LOADS-PSF				
GLASS TYPE	IMPACT	D.L.O. (INCH)		Pd(PSF)
		WIDTH	HEIGHT	
G1	LMI	56.5	103.69	+150/-200
G2	SMI	56.5	115.75	+150/-200
G3	SMI	56.5	103.69	+150/-200

NOTE: FOR SIZE SHOWN BELOW OR SMALLER AS PERMITTED BY FBC.

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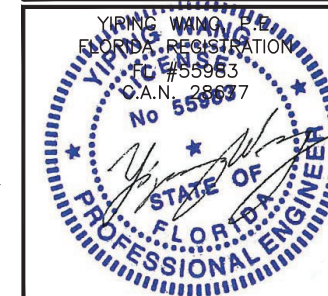
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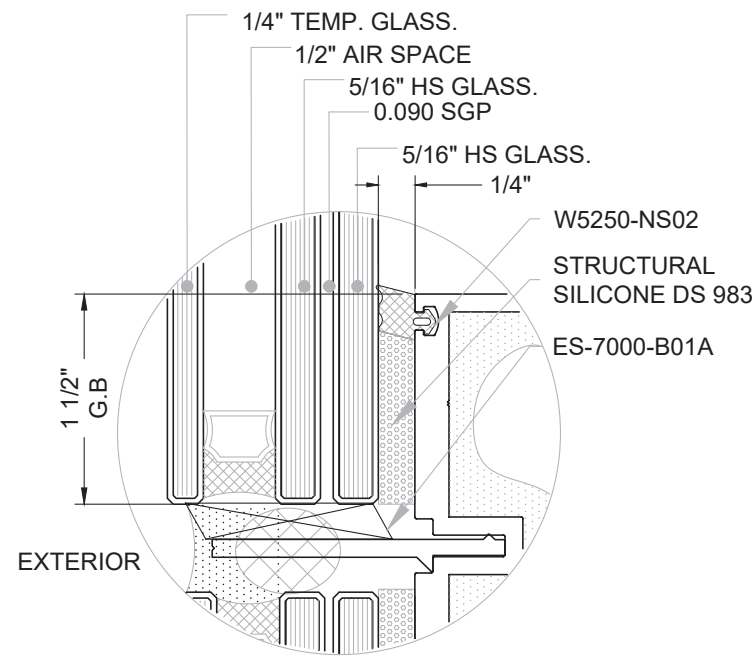
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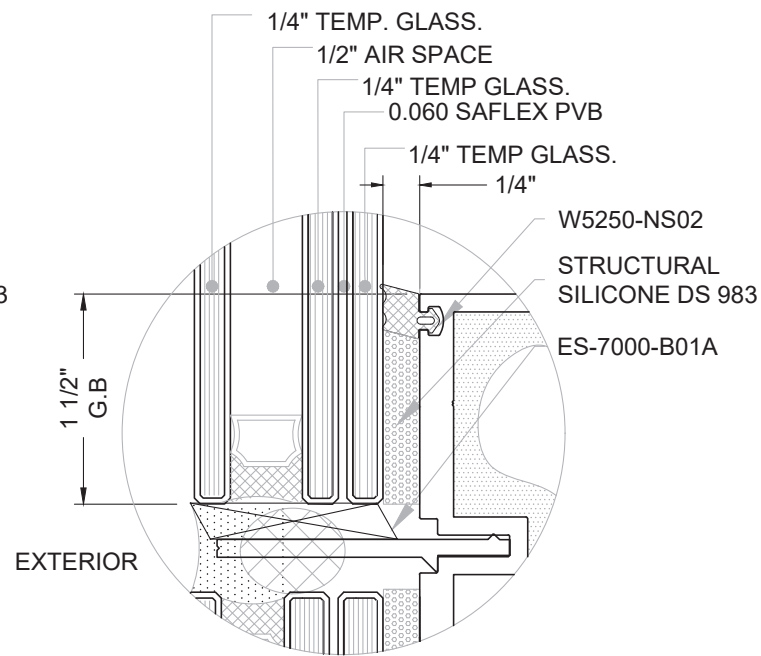
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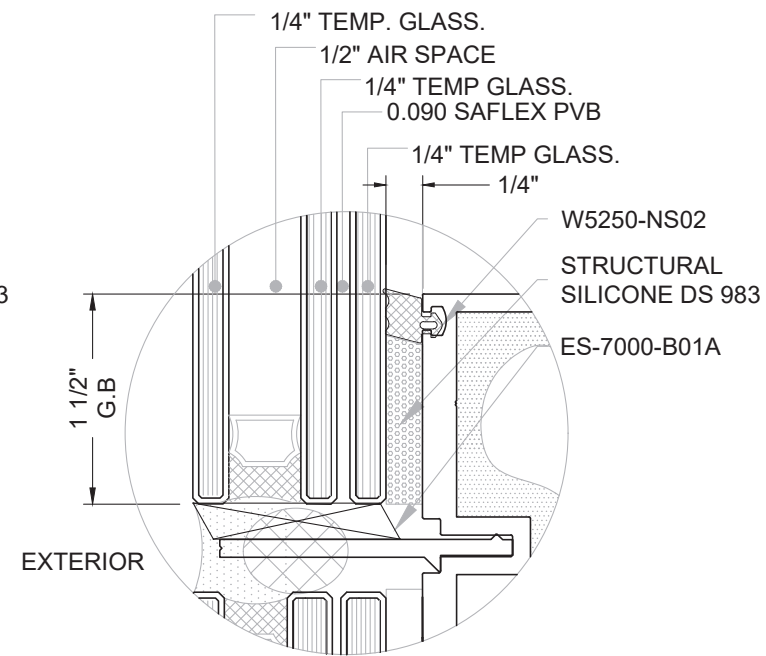
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G1 GLASS TYPE 'G1' (LMI)
7 1/6" NOMINAL OVERALL



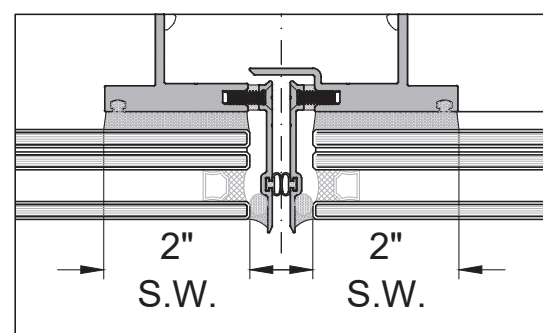
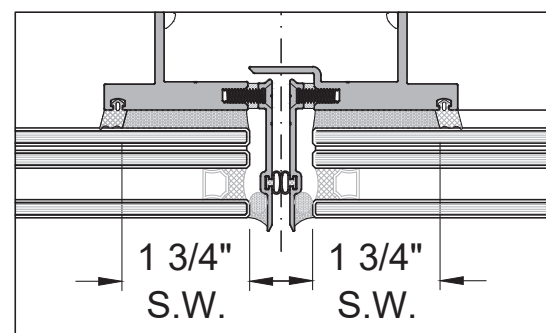
G2 GLASS TYPE 'G2' (SMI)
5 1/6" NOMINAL OVERALL



G3 GLASS TYPE 'G3' (SMI)
5 1/6" NOMINAL OVERALL

NOTE:
GLASS COMPLIES WITH ASTM E1300-09
(3 SEC. GUSTS).

MULLION WIDTH C-C (INCH)	GAP WIDTH INCH	SILICONE CAPACITY (PSF)	
		S.W.(INCH)	S.W.(INCH)
48	7/8	200	200
54	7/8	190	200
60	7/8	170	195
65	7/8	157	180
68	7/8	150	172



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E2	
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DRAWING NO. AD24-05	
04 OF 33	

SILL ANCHOR TYPE

ANCHOR TYPE A
5/16" DIA. ULTRACON BY 'DEWALT' (Fu=177ksi, Fy=155ksi)
DIRECTLY INTO CONCRETE (f'c=4000psi MIN.) WITH 2" MIN. EMBEDMENT.
3 1/2" MIN. EDGE DISTANCE & 5" O.C. MIN.

ANCHOR TYPE B
5/16" DIA. ELCO DRIL FLEX SCREW (Fu=120 ksi, Fy=92ksi)
DIRECTLY INTO METAL (1/4" MIN. THK. STL A36 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE ISOLATED OR PAINTED)

ANCHOR TYPE C
3/8" DIA. 'DEWALT' SCREW BOLT+ (Fu=105 ksi, Fy=84ksi)
DIRECTLY INTO NORMAL-WEIGHT CONCRETE (f'c=4000psi)
WITH 3/4" MIN. EMBEDMENT, 3 1/2" MIN. EDGE DISTANCE & 5" O.C. MIN.

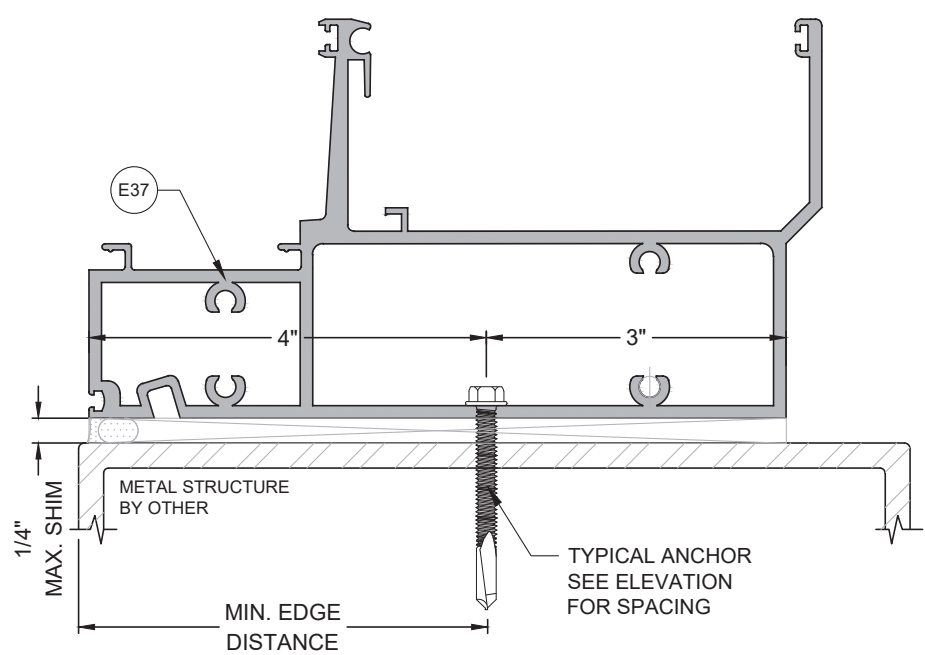
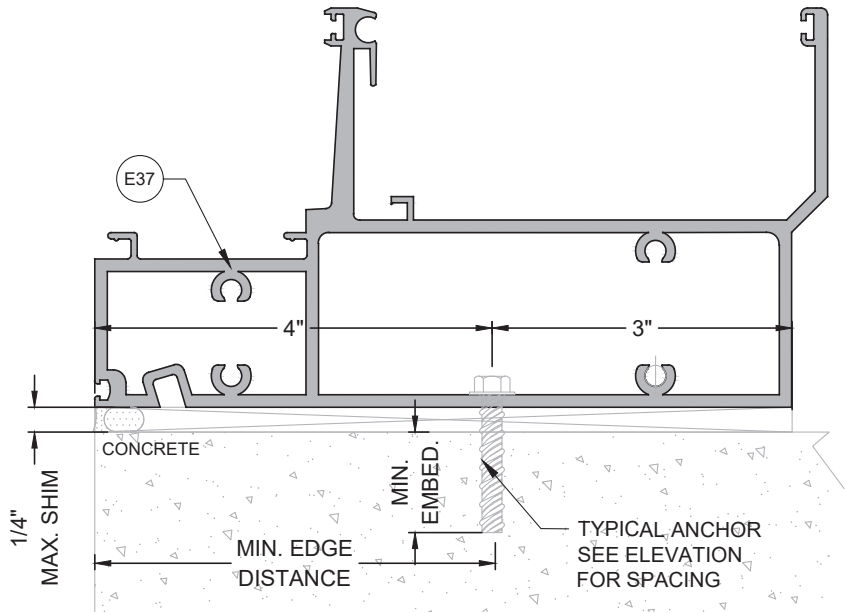


CHART 1: SILL ANCHOR CAPACITY CHART				
ANCHOR TYPE	QUANTITY@EACH SIDE OF MULLION/ JAMB	FRAME WIDTH = 65"	FRAME WIDTH = 60"	FRAME WIDTH = 52"
		DESIGN LOAD (PSF)	DESIGN LOAD (PSF)	DESIGN LOAD (PSF)
TYPE A	4	+93.8/-109.1	+93.8/-109.1	+117.3/-136.4
	5	+117.3/-136.4	+117.3/-136.4	+150/-170.0
	6	+140.8/-163.7	+140.8/-163.7	-
TYPE B	4	+150/-170.0	-	-
TYPE C	4	+147.3/-165.9	+150/-170.0	-
	5	+150/-170.0	-	-

CHART 2: SILL ANCHOR CAPACITY CHART				
ANCHOR TYPE	QUANTITY@EACH SIDE OF MULLION/ JAMB	FRAME WIDTH = 60"	FRAME WIDTH = 56.5"	FRAME WIDTH = 52"
		DESIGN LOAD (PSF)	DESIGN LOAD (PSF)	DESIGN LOAD (PSF)
TYPE A	4	+89.6/-104.2	+95.2/-110.7	+103.4/-120.2
	5	+112/-130.3	+118.9/-138.4	+129.2/-150.3
	6	+134.4/-156.3	+142.7/-166.0	+150.0/-180.3
TYPE B	4	+150.0/-182.4	-	-
	5	+150.0/-200.0	-	-
TYPE C	4	+140.7/-158.4	+150.0/-168.2	-
	5	+150.0/-200.0	-	-

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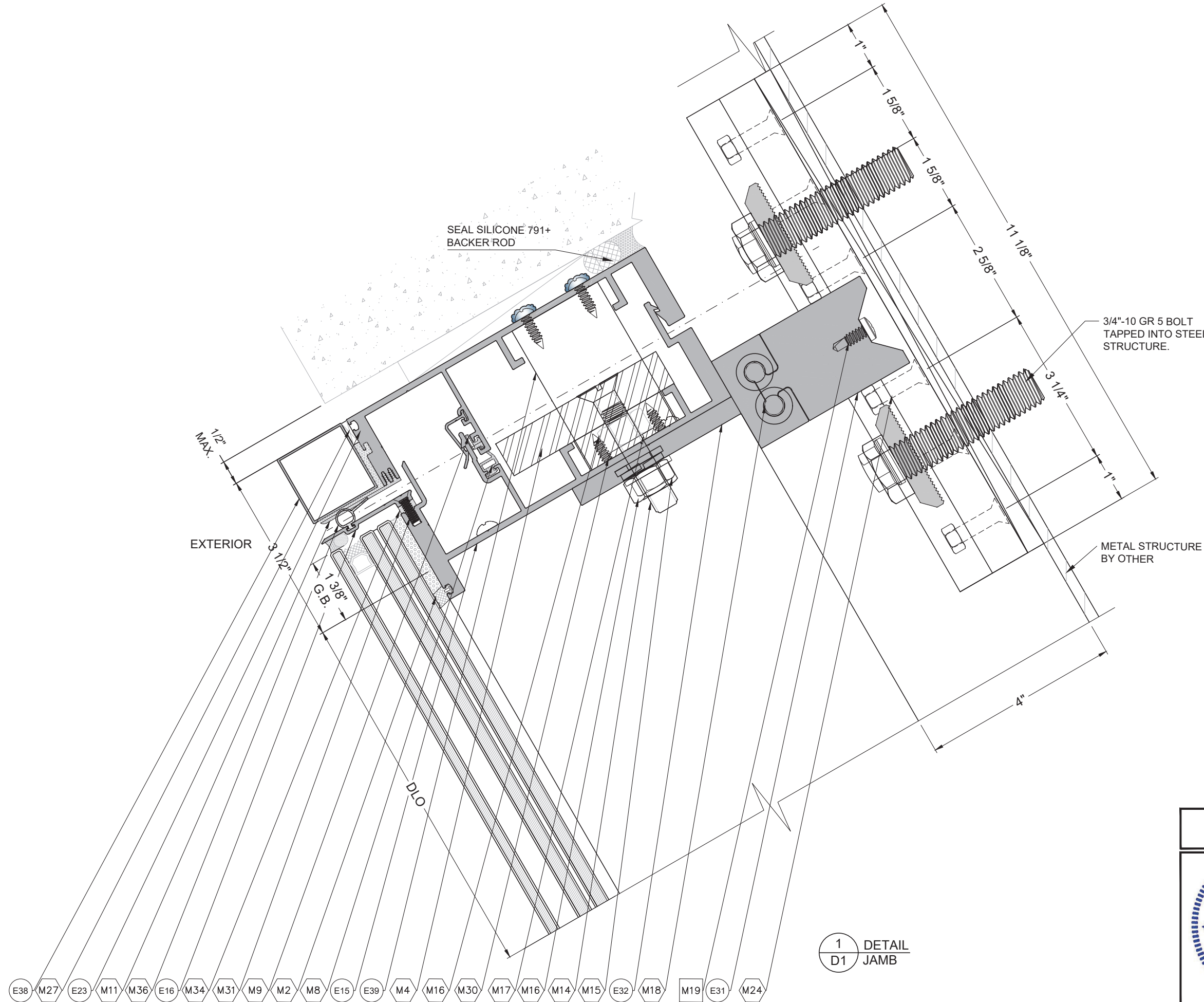
TECNOGLASS, LLC
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MIAMI, FL 33142
PH: (305)-342-0890 FAX (786) 513-3965

A1

DATE	03.05.2024
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DRAWING NO.
AD24-05

05 OF 33



1
D1
DETAIL
JAMB

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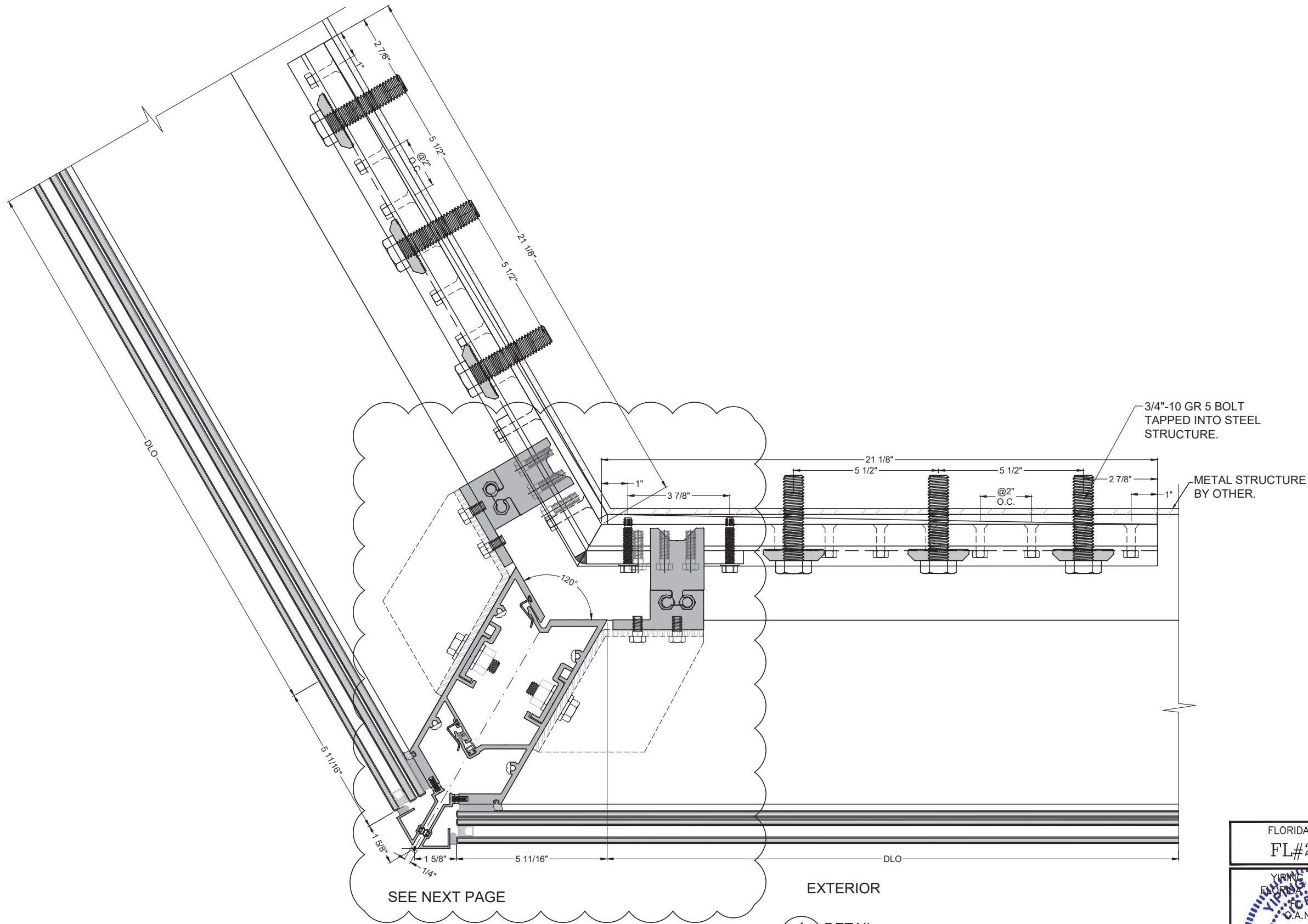
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PROJECT	
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SEE NEXT PAGE

EXTERIOR

1
D2 120° CORNER

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07 OF 33

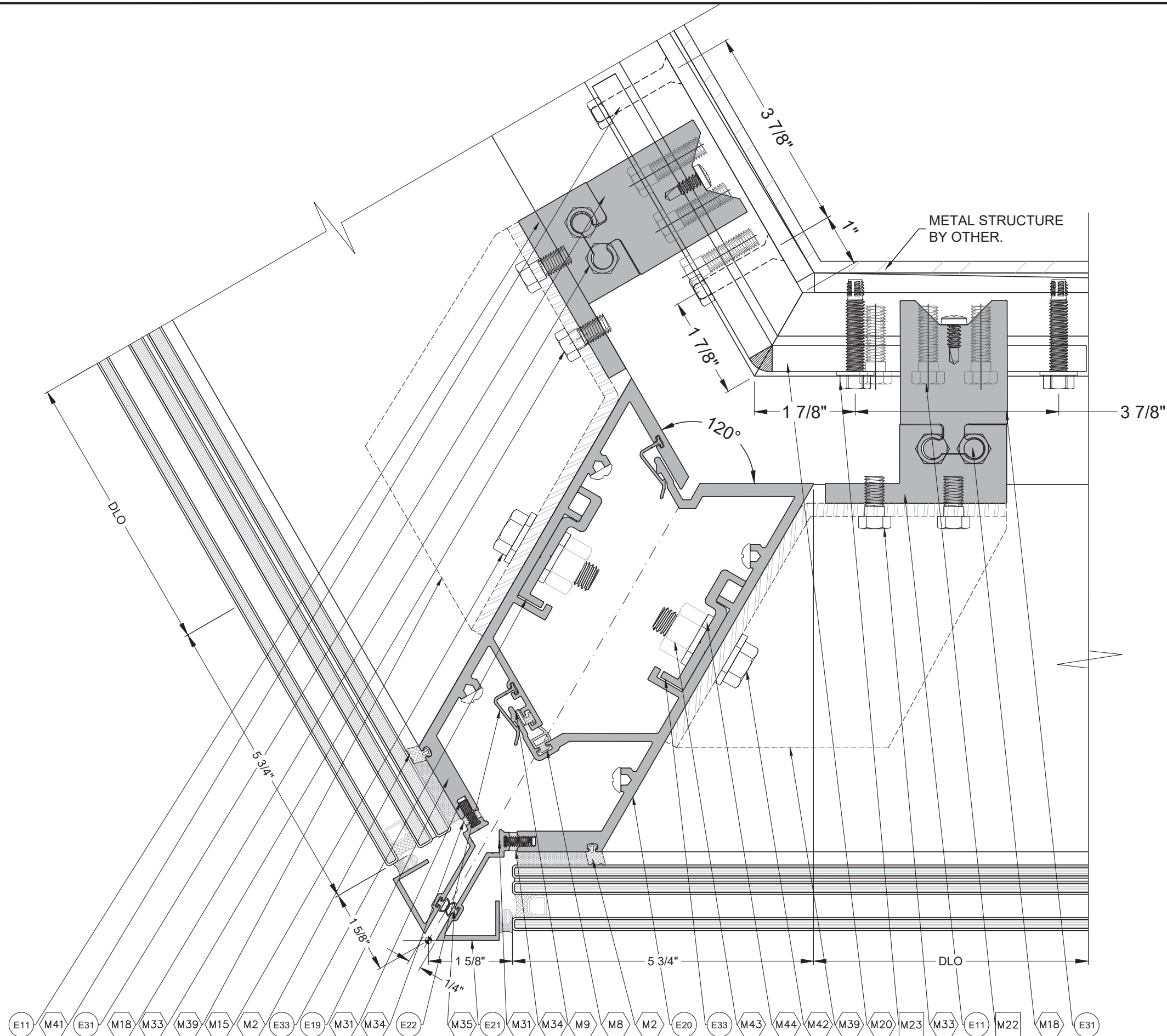
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EXTERIOR

1
D2

DETAIL
PARTIAL
120° CORNER W/O REINF.

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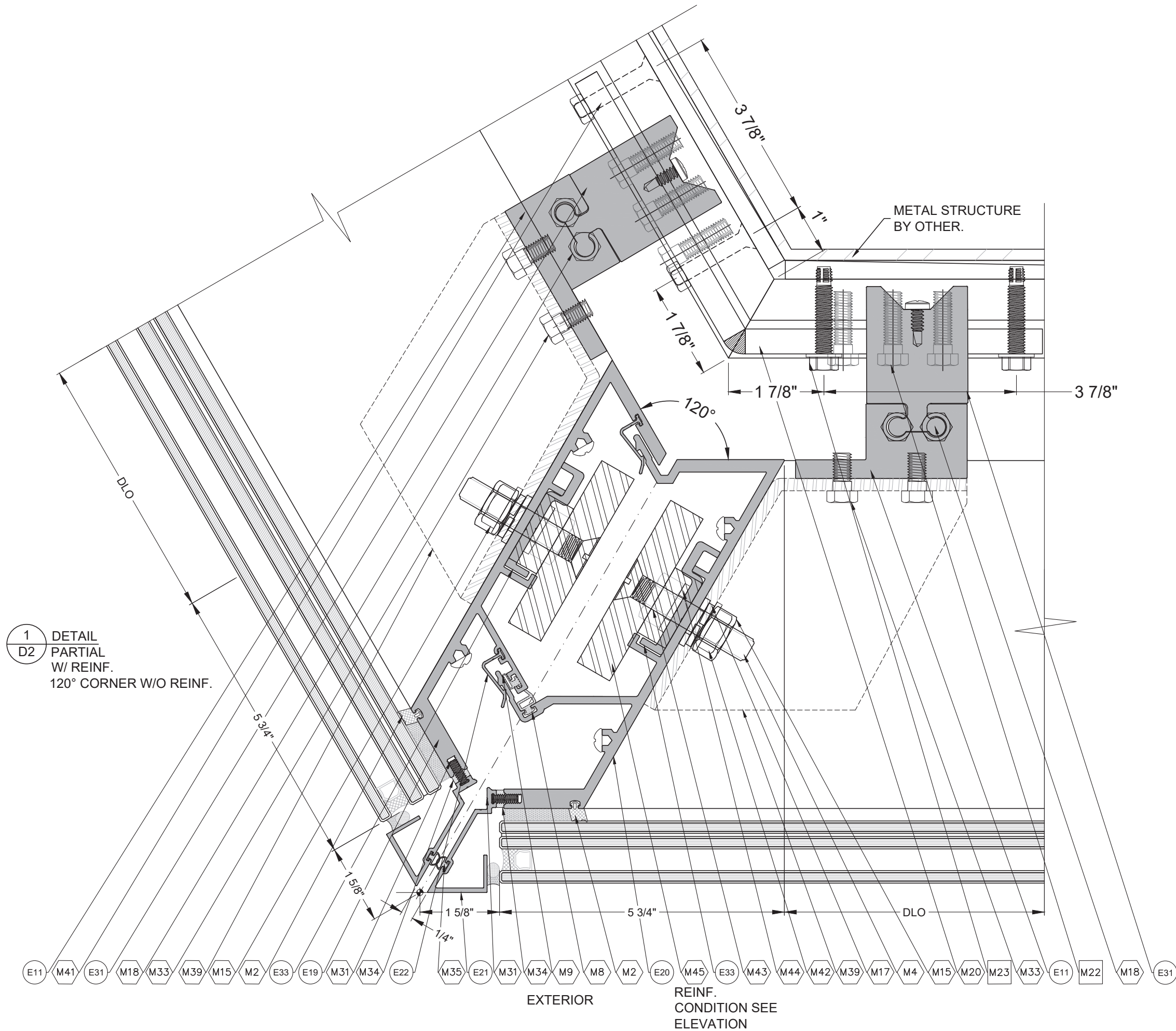
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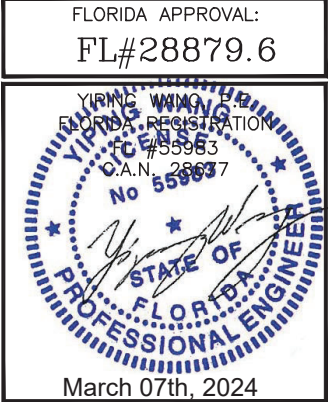
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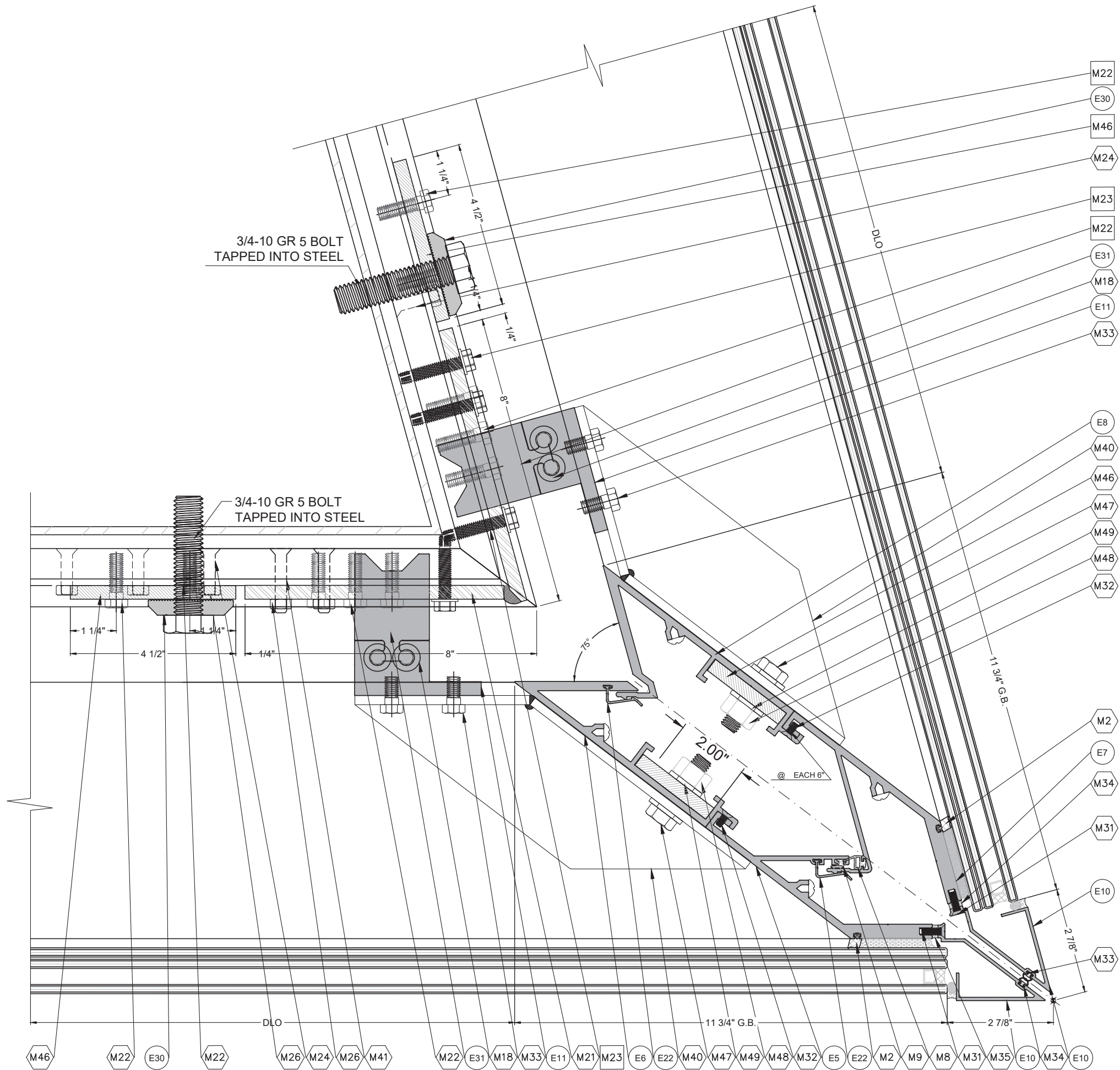
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EXTERIOR

1
D4
DETAIL
PARTIAL
75° CORNER

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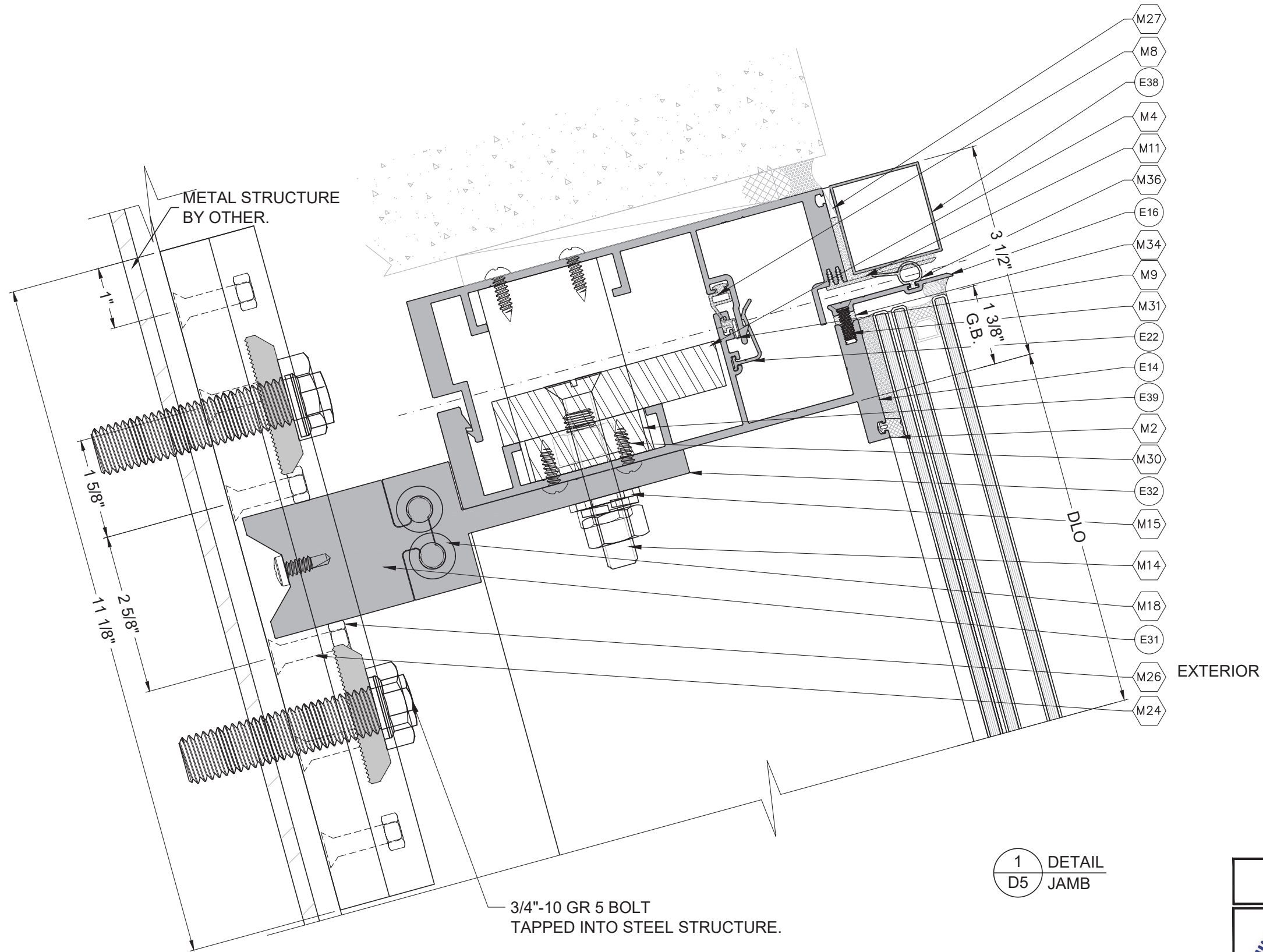
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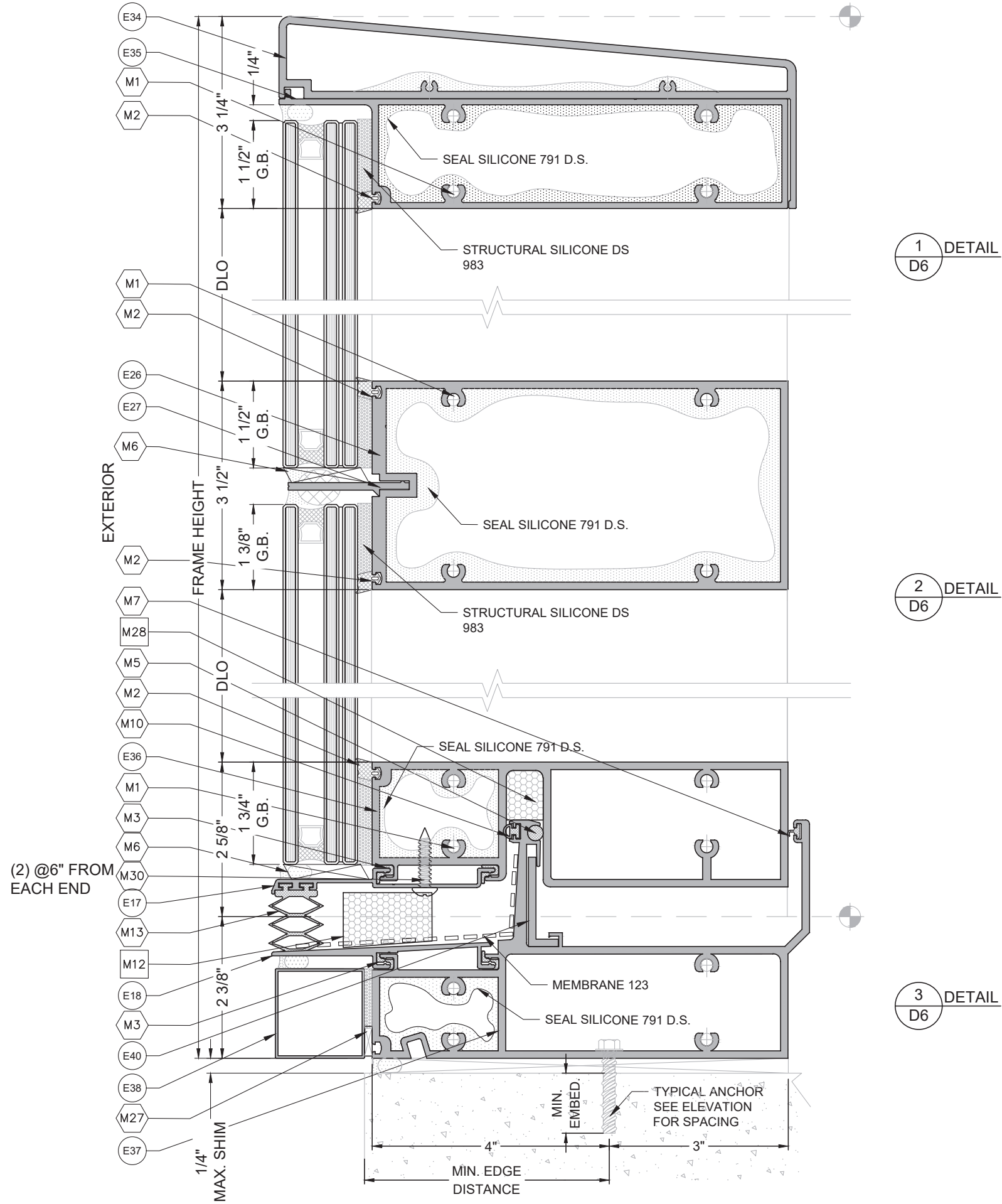
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#55983
C.A.N. 28637

March 07th, 2024

SERIES 7000 CURTAIN WALL LARGE AND SMALL MISSILE IMPACT

TECNOGLASS, LLC
3550 NW 49TH STREET
MIAMI, FL 33142
PH: (305)-342-0890 FAX (786) 513-3965

D6	
DATE	03.05.2024
SCALE	AS SHOWN
DRAWN	James
PROJECT	
DRAWING NO. AD24-05	
14 OF 33	

MCY

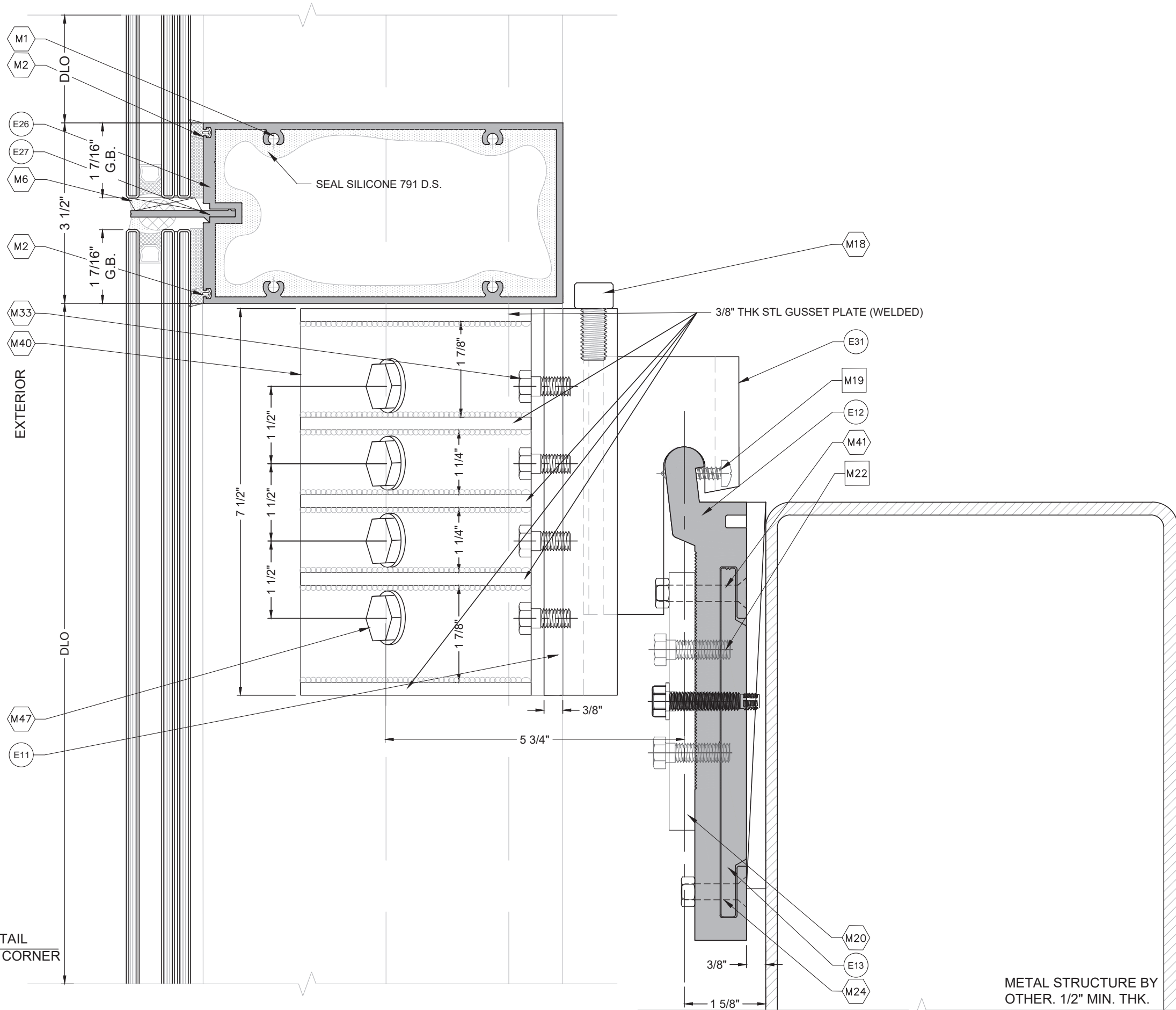
MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIARAMAR PARKWAY #301
MIARAMAR, FL 33027
P: 305.271.0117
F: 305.588.5224
www.MCYEngineering.com

REVISIONS	
NO.	DATE
1	02.21.2024
DESCRIPTION	
NEW	

1
D7

DETAIL
75° CORNER



METAL STRUCTURE BY
OTHER. 1/2\" MIN. THK.

FLORIDA APPROVAL:
FL#28879.6

YIPING WANG
FLORIDA REGISTRATION
#55983
C.A.N. 28637

No 55983

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

March 07th, 2024

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D7	
DATE	03.05.2024
SCALE	AS SHOWN
DRAWN	James
PROJECT	
DRAWING NO. AD24-05	
15 OF 33	

MCY

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

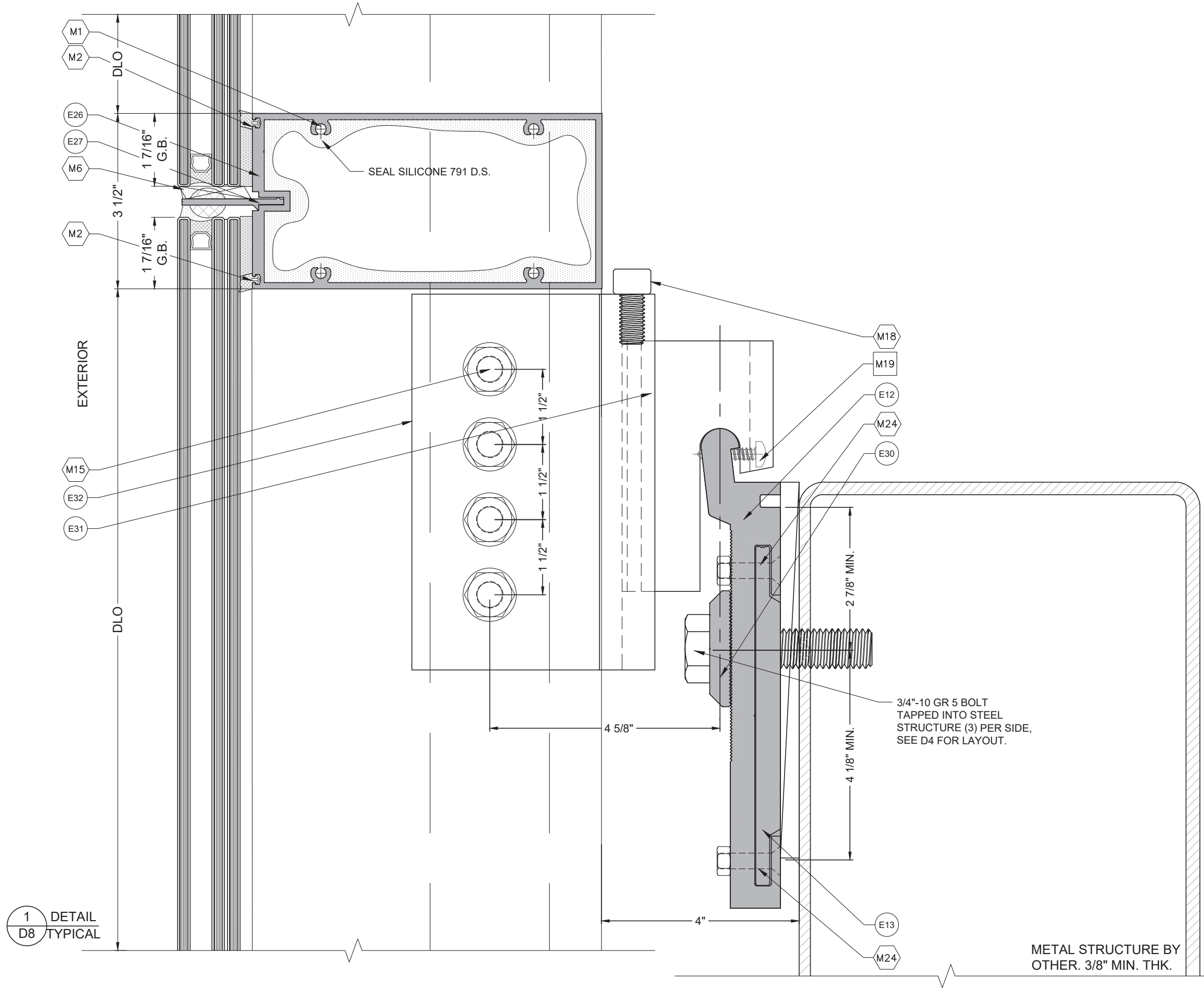
12781 MIARAMAR PARKWAY #301
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P: 305.271.0117
F: 305.588.5224

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REVISIONS	
NO	DATE
1	02.21.2024
2	
3	
4	
5	

DESCRIPTION	
NO	DESCRIPTION
1	NEW
2	
3	
4	
5	



FLORIDA APPROVAL:
FL#28879.6

YIPING WANG
FLORIDA REGISTRATION
#55983
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D8	
DATE	03.05.2024
SCALE	AS SHOWN
DRAWN	James
PROJECT	
DRAWING NO. AD24-05	
16 OF 33	

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

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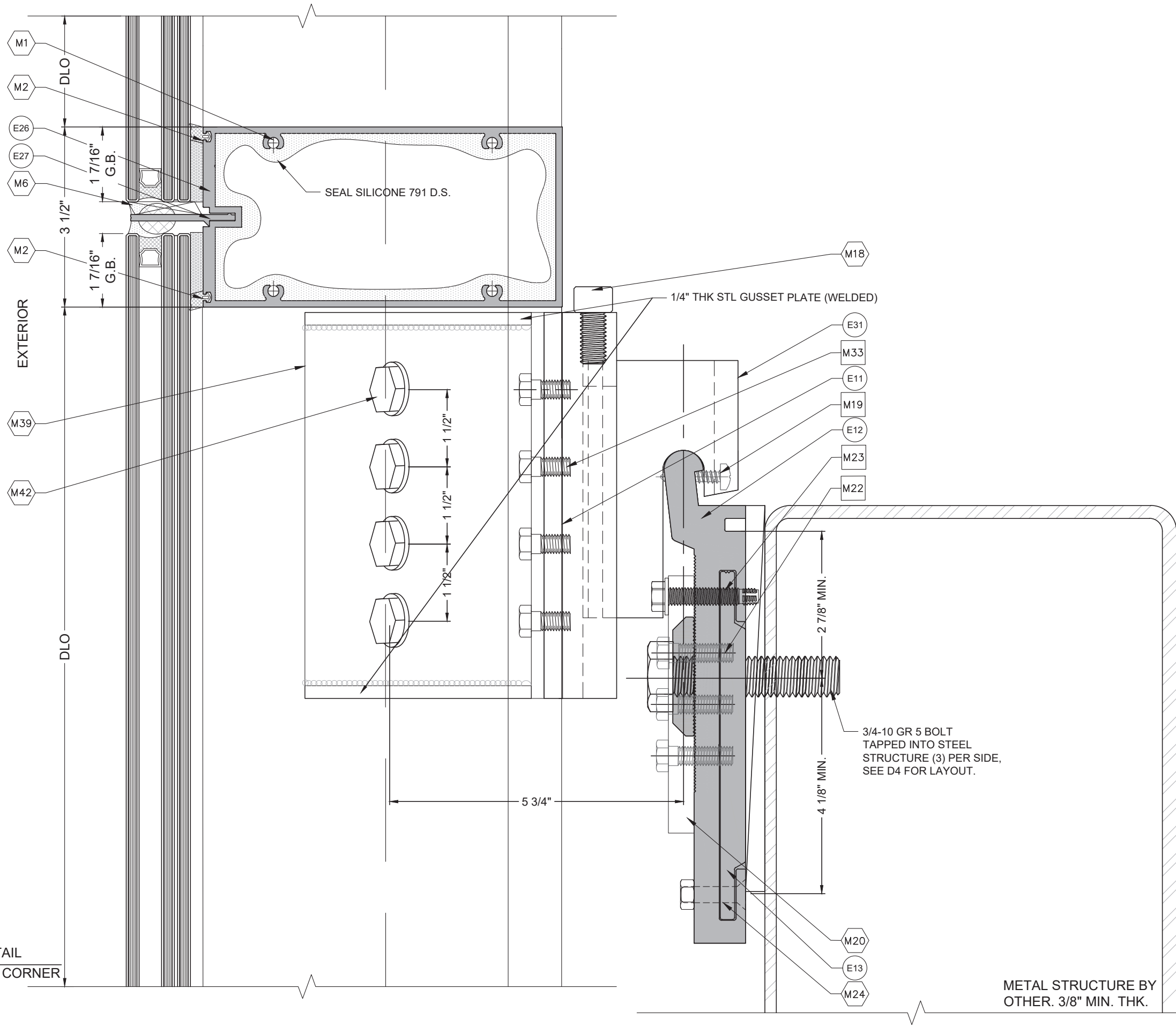
P: 305.271.0117
F: 305.588.5224
MCY@mcyengineering.com

REVISIONS	
NO	DATE
RO	02.21.2024

DESCRIPTION

NEW

1
D9
DETAIL
120° CORNER



METAL STRUCTURE BY
OTHER. 3/8" MIN. THK.

FLORIDA APPROVAL:
FL#28879.6

YIPING WING
FLORIDA REGISTRATION
#55983
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No 55983

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D9	
DATE	03.05.2024
SCALE	AS SHOWN
DRAWN	James
PROJECT	

DRAWING NO.
AD24-05

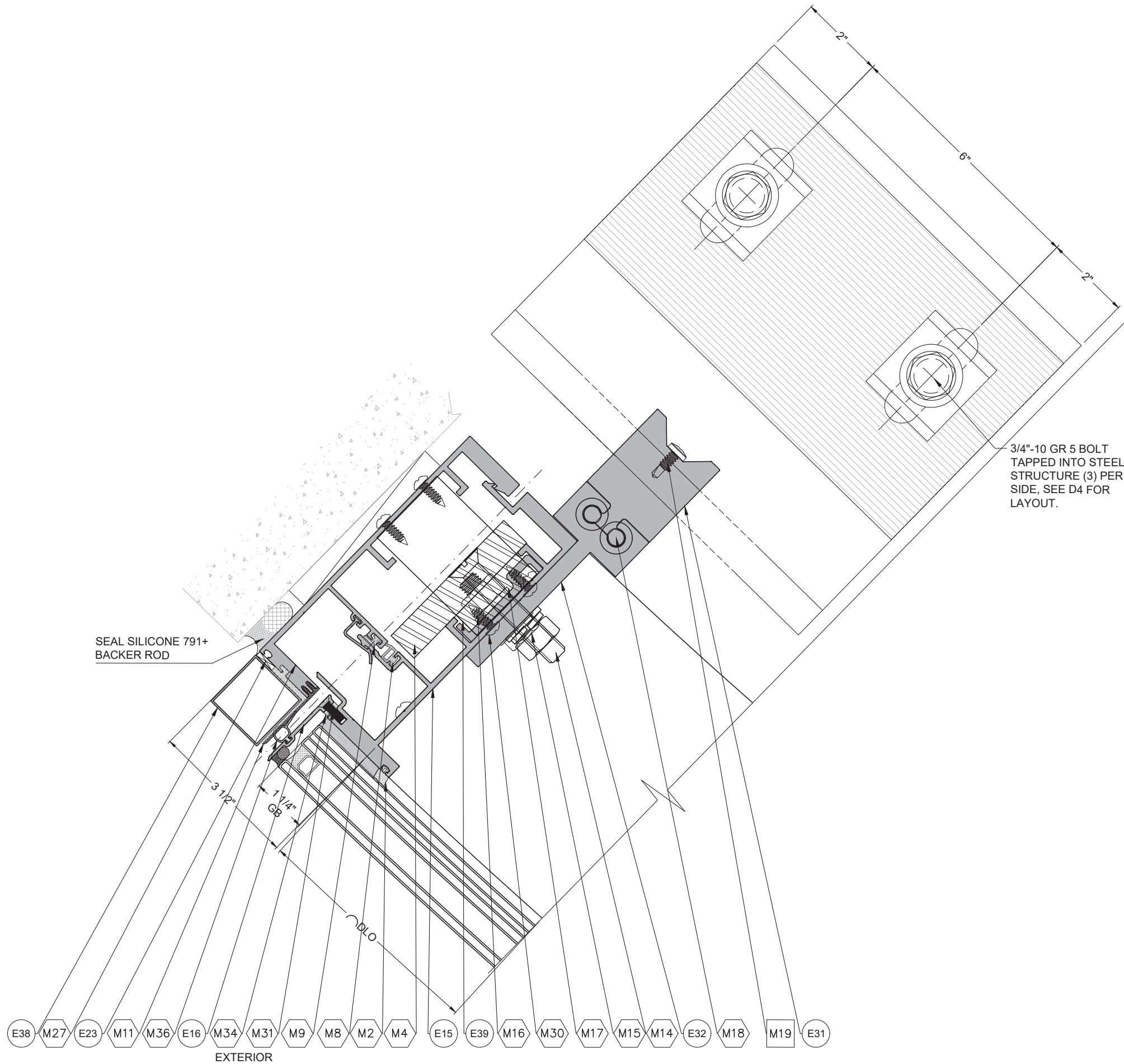
17 OF 33

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REVISIONS

NO	DATE	DESCRIPTION
RO	02.21.2024	NEW



FLORIDA APPROVAL:
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YIPING WING
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STATE OF
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D10	
DATE	03.05.2024
SCALE	AS SHOWN
DRAWN	James
PROJECT	

DRAWING NO.
AD24-05

18 OF 33

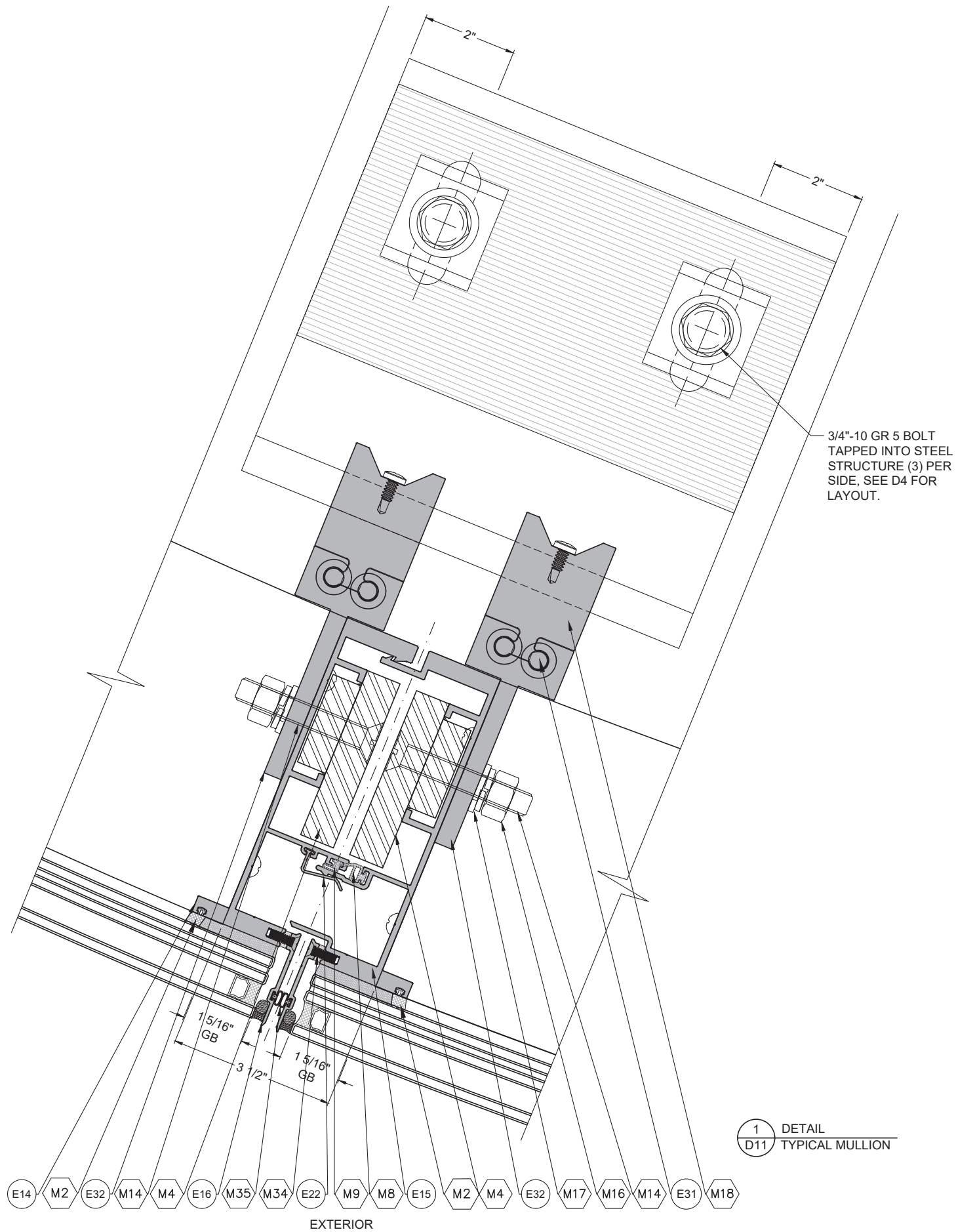
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RO	02.21.2024
	NEW



FLORIDA APPROVAL:
FL#28879.6

YIPING WING
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C.A.N. 28637

STATE OF
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March 07th, 2024

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TECNOGLASS, LLC
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PH: (305)-342-0890 FAX (786) 513-3965

D11

DATE	03.05.2024
SCALE	AS SHOWN
DRAWN	James
PROJECT	

DRAWING NO.
AD24-05

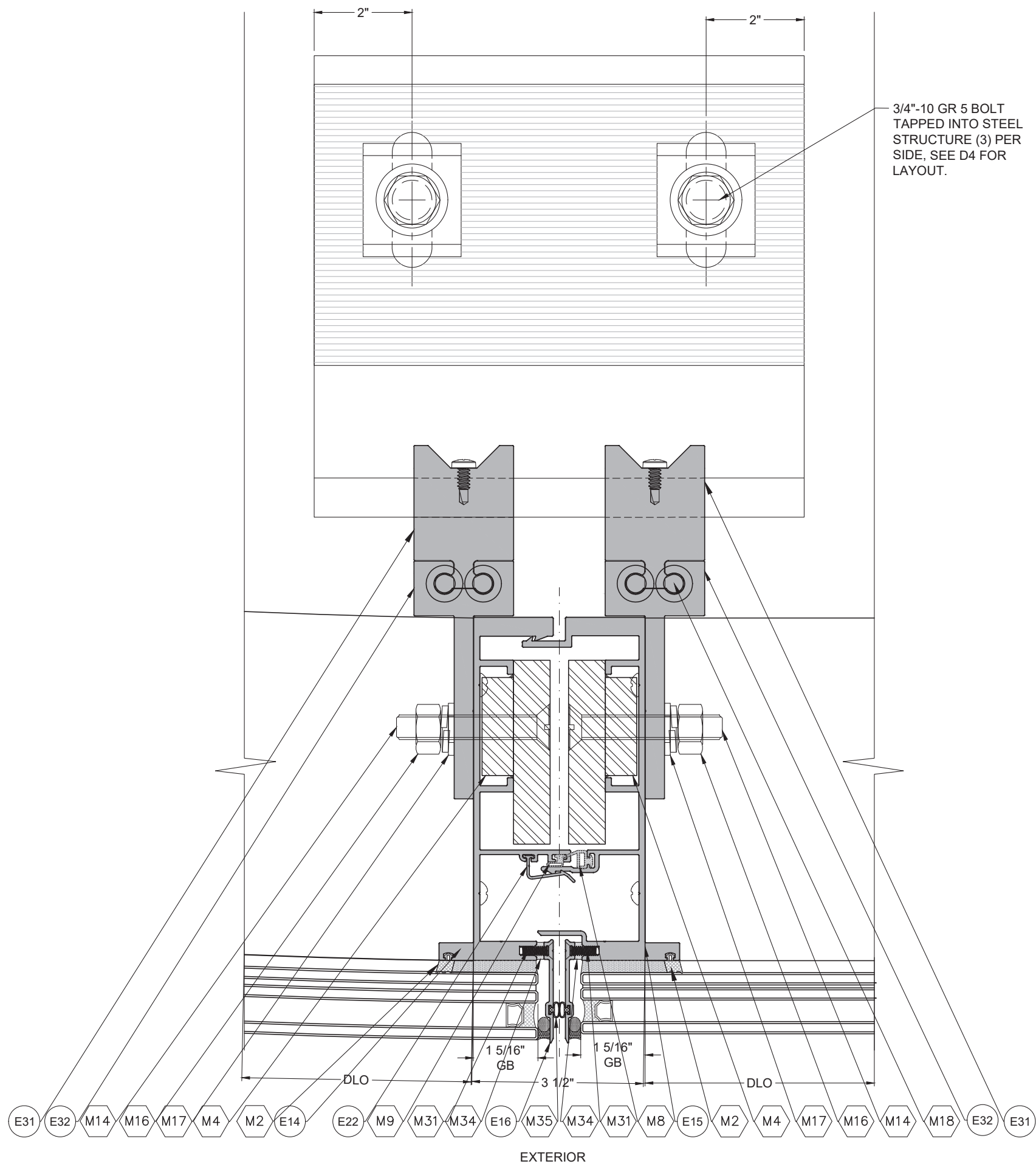
19 OF 33

MCY ENGINEERING, INC.
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www.MCYEngineering.com

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F: 305.588.5224
MCY@mcyengineering.com

REVISIONS	
NO.	DATE
1	02.21.2024



3/4"-10 GR 5 BOLT
TAPPED INTO STEEL
STRUCTURE (3) PER
SIDE, SEE D4 FOR
LAYOUT.

1 DETAIL
D12 TYPICAL MULLION

FLORIDA APPROVAL:
FL#28879.6

March 07th, 2024

SERIES 7000 CURTAIN WALL LARGE AND SMALL MISSILE IMPACT

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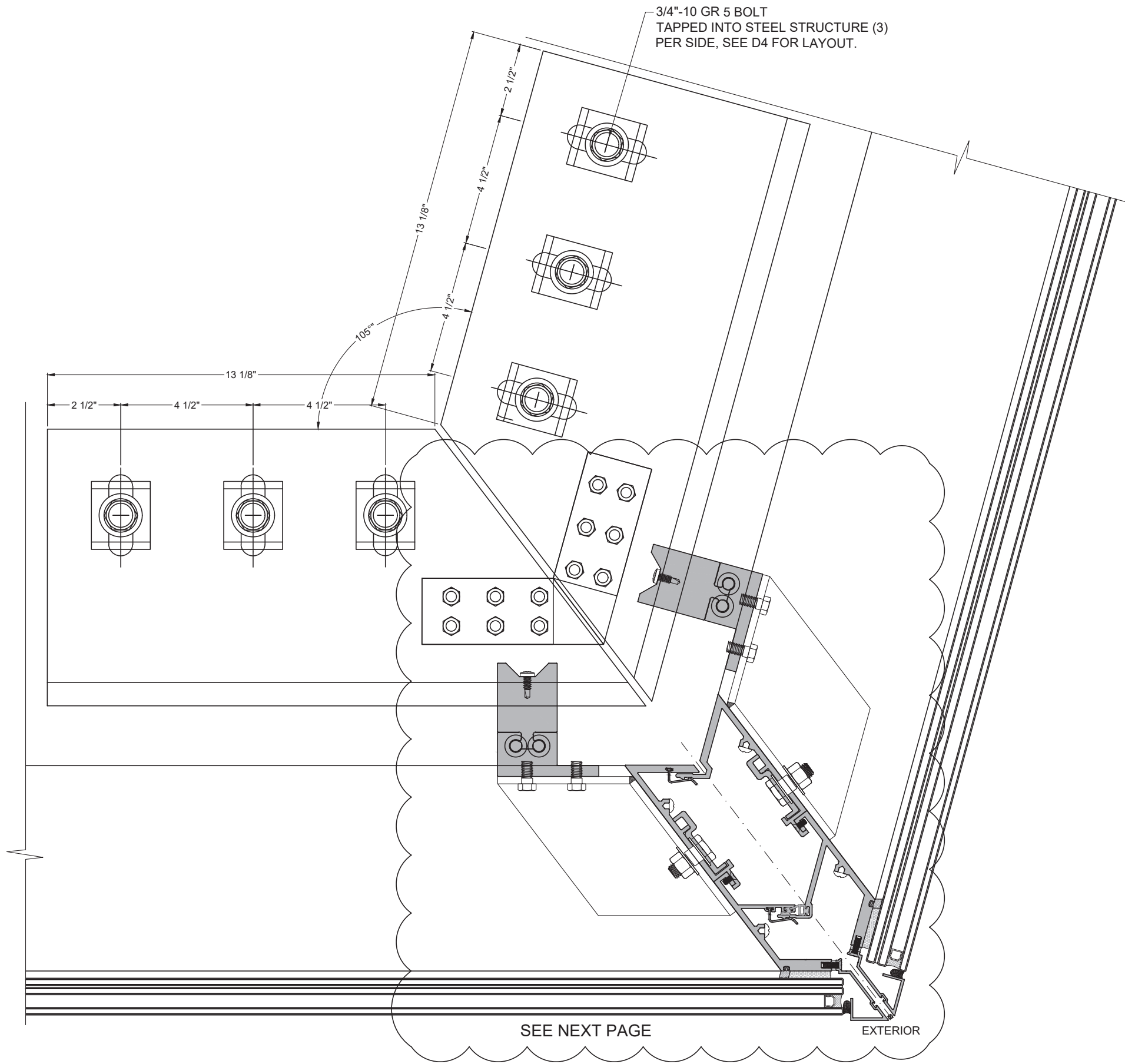
DATE	03.05.2024
SCALE	AS SHOWN
DRAWN	James
PROJECT	

DRAWING NO.
AD24-05

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GLAZING CONSULTANTS

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REVISIONS		
NO.	DATE	DESCRIPTION
RO	02.21.2024	NEW



1 DETAIL
D13 105° CORNER

FLORIDA APPROVAL:
FL#28879.6

YIPING WING
FLORIDA REGISTRATION
#55983
C.A.N. 28637

Professional Engineer
STATE OF FLORIDA
No 55983

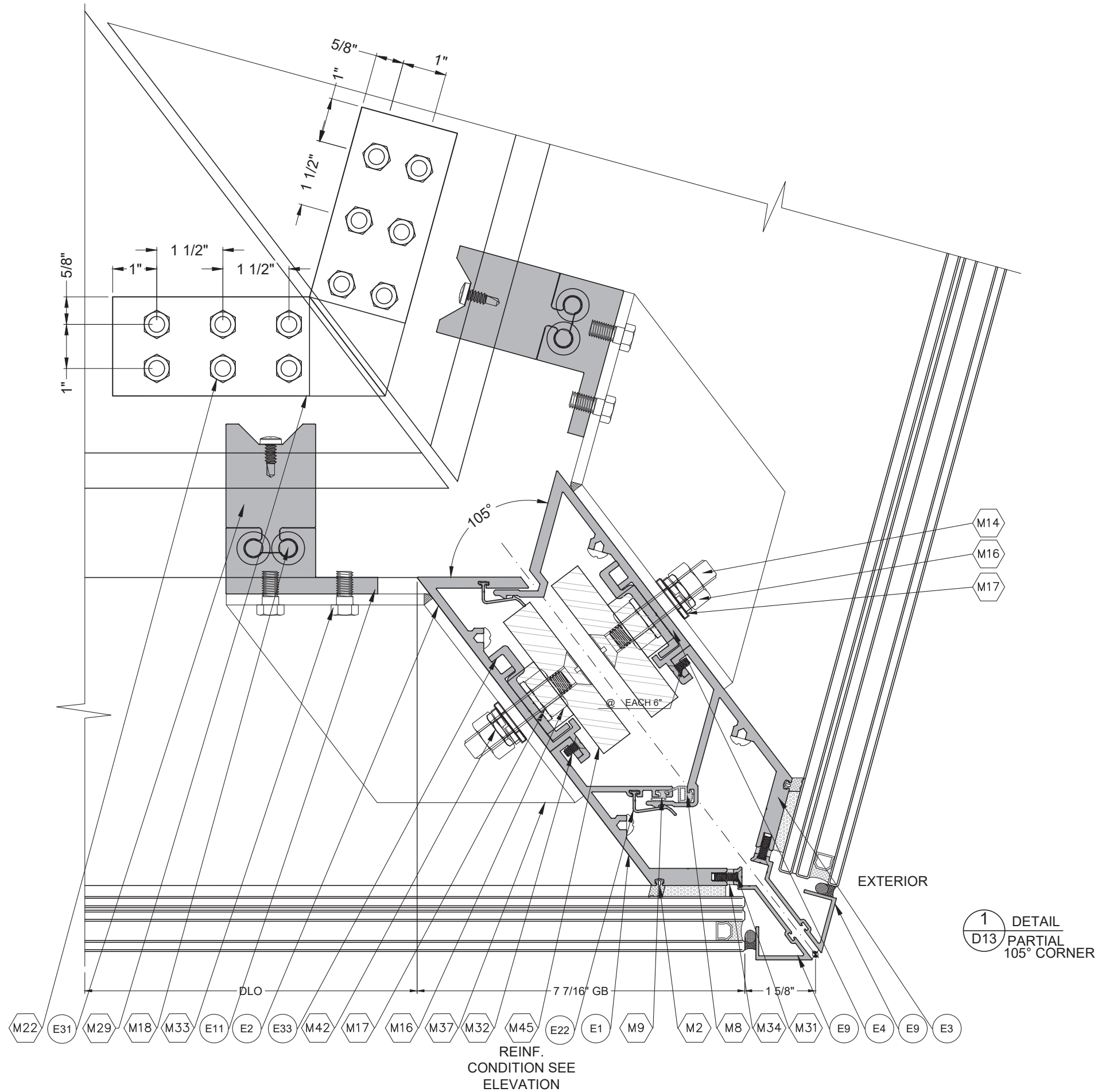
March 07th, 2024

SERIES 7000 CURTAIN WALL LARGE AND SMALL MISSILE IMPACT	
TECNOGLASS, LLC 3550 NW 49TH STREET MIAMI, FL 33142 PH: (305)-342-0890 FAX (786) 513-3965	
D13	
DATE	03.05.2024
SCALE	AS SHOWN
DRAWN	James
PROJECT	
DRAWING NO. AD24-05	
21 OF 33	

MCY

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIARAMAR PARKWAY #301
MIRAMAR, FL 33027
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F: 305.588.5224
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REVISIONS	
NO.	DATE DESCRIPTION
RO	02.21.2024 NEW



FLORIDA APPROVAL:
FL#28879.6

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TECNOGLASS, LLC
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D13

DATE	03.05.2024
SCALE	AS SHOWN
DRAWN	James
PROJECT	

DRAWING NO.
AD24-05

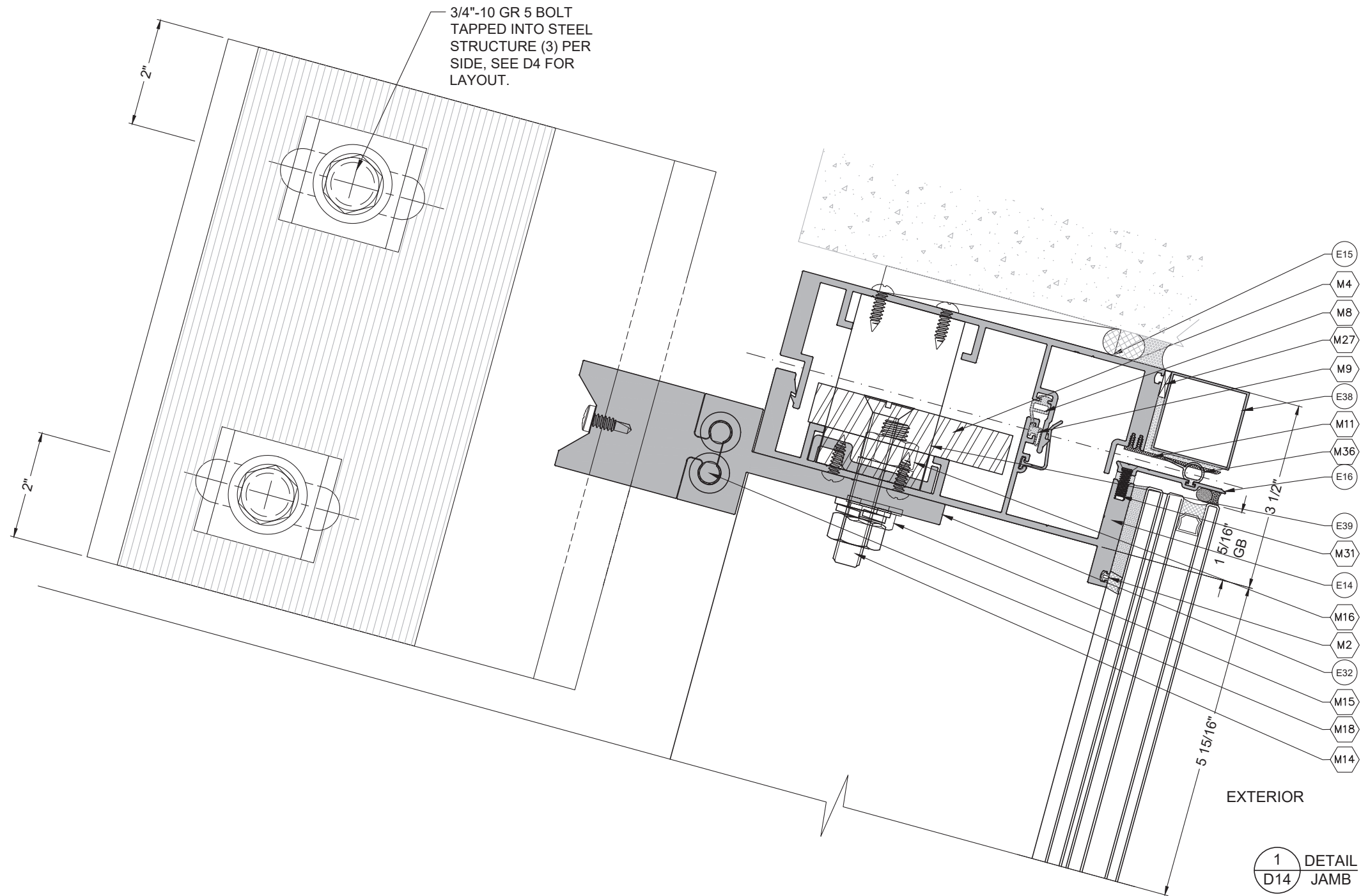
22 OF 33

MCY ENGINEERING, INC.
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REVISIONS	
NO.	DATE
1	02.21.2024



FLORIDA APPROVAL:
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March 07th, 2024

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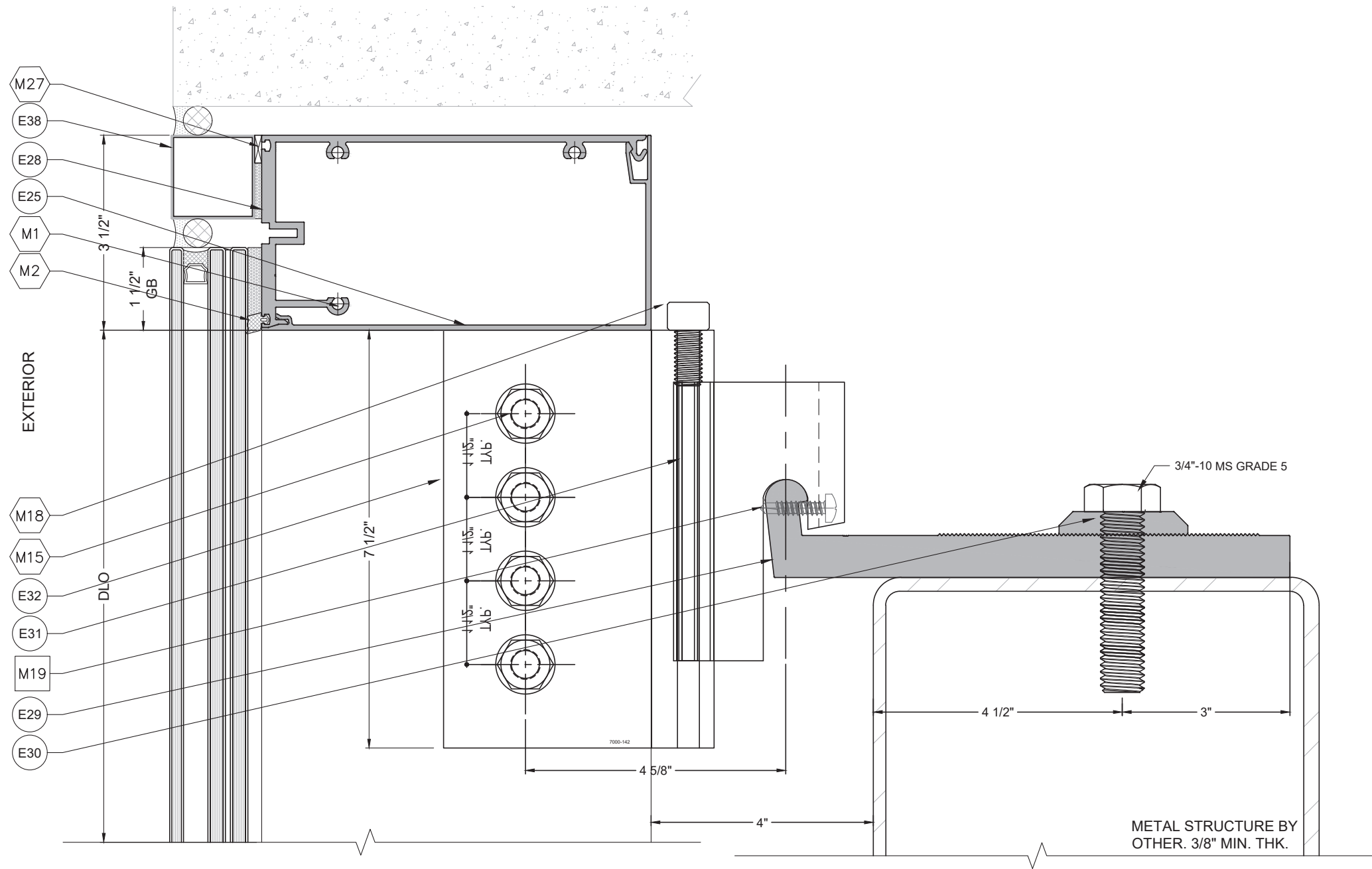
REVISIONS		
NO.	DATE	DESCRIPTION
1	02.21.2024	NEW

D14	
DATE	03.05.2024
SCALE	AS SHOWN
DRAWN	James
PROJECT	

DRAWING NO.
AD24-05

1
D15

DETAIL
TYPICAL



FLORIDA APPROVAL:
FL#28879.6

YIPING WING
FLORIDA REGISTRATION
#55983
C.A.N. 28637
No 55983

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

March 07th, 2024

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PH: (305)-342-0890 FAX (786) 513-3965

REVISIONS	
NO	DATE DESCRIPTION
RO	02.21.2024 NEW

D15	
DATE	03.05.2024
SCALE	AS SHOWN
DRAWN	James
PROJECT	

DRAWING NO.
AD24-05
24 OF 33

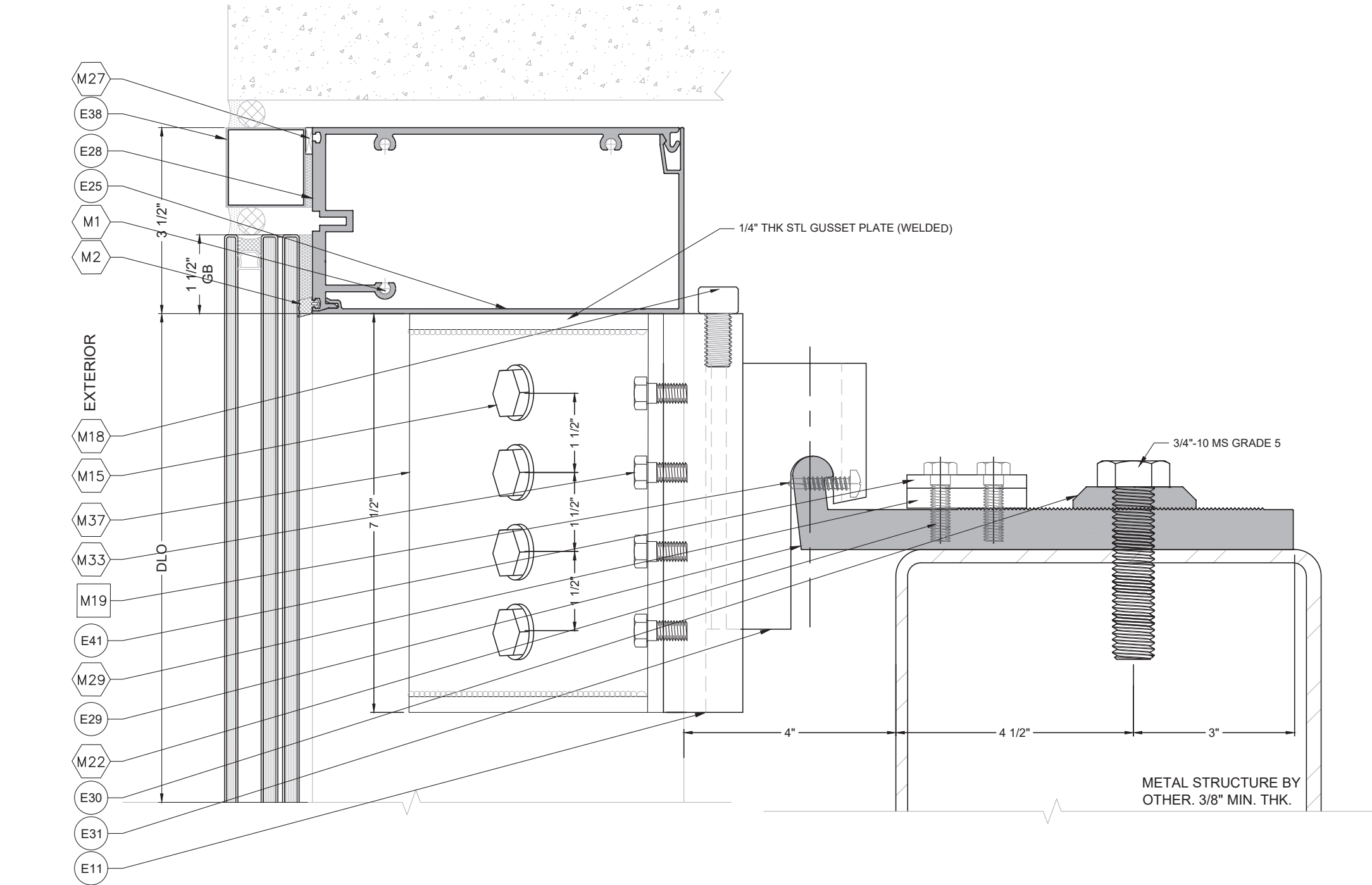
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MCY ENGINEERING, INC.
GLAZING CONSULTANTS

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MIRAMAR, FL 33027

P: 305.271.0117
F: 305.588.5224

www.MCYEngineering.com MCY@mcyengineering.com



1 DETAIL
D15A 105° CORNER
MULLION

FLORIDA APPROVAL:
FL#28879.6

YIPING WING
FLORIDA REGISTRATION
#55983
C.A.N. 28637
No 55983

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

March 07th, 2024

SERIES 7000 CURTAIN WALL LARGE AND SMALL MISSILE IMPACT

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PH: (305)-342-0890 FAX (786) 513-3965

D15	
DATE	03.05.2024
SCALE	AS SHOWN
DRAWN	James
PROJECT	
DRAWING NO. AD24-05	
25 OF 33	

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIARAMAR PARKWAY #301
MIARAMAR, FL 33027

P: 305.271.0117
F: 305.588.5224

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MCY@mcyengineering.com

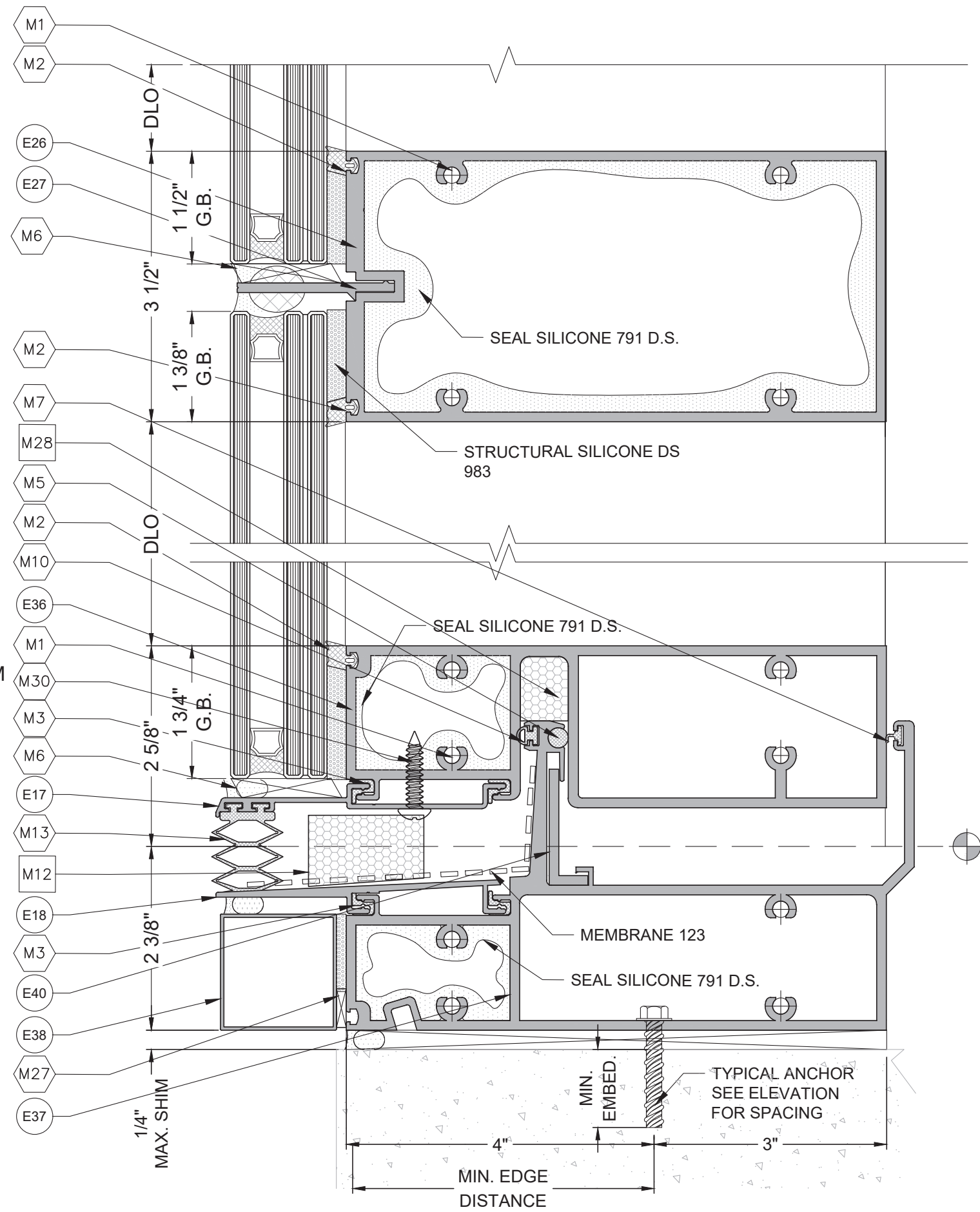
REVISIONS	
NO.	DATE
1	02.21.2024
DESCRIPTION	
NEW	

1
D16

(2) @6" FROM
EACH END

2
D16

EXTERIOR



FLORIDA APPROVAL:
FL#28879.6

YIPING WANG
FLORIDA REGISTRATION
#55983
C.A.N. 28637
No 55983

March 07th, 2024

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TECNOGLASS, LLC
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PH: (305)-342-0890 FAX (786) 513-3965

REVISIONS	
NO.	DATE
1	03.05.2024
2	02.21.2024
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D16

DATE 03.05.2024
SCALE AS SHOWN
DRAWN James
PROJECT

DRAWING NO.
AD24-05

26 OF 33

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

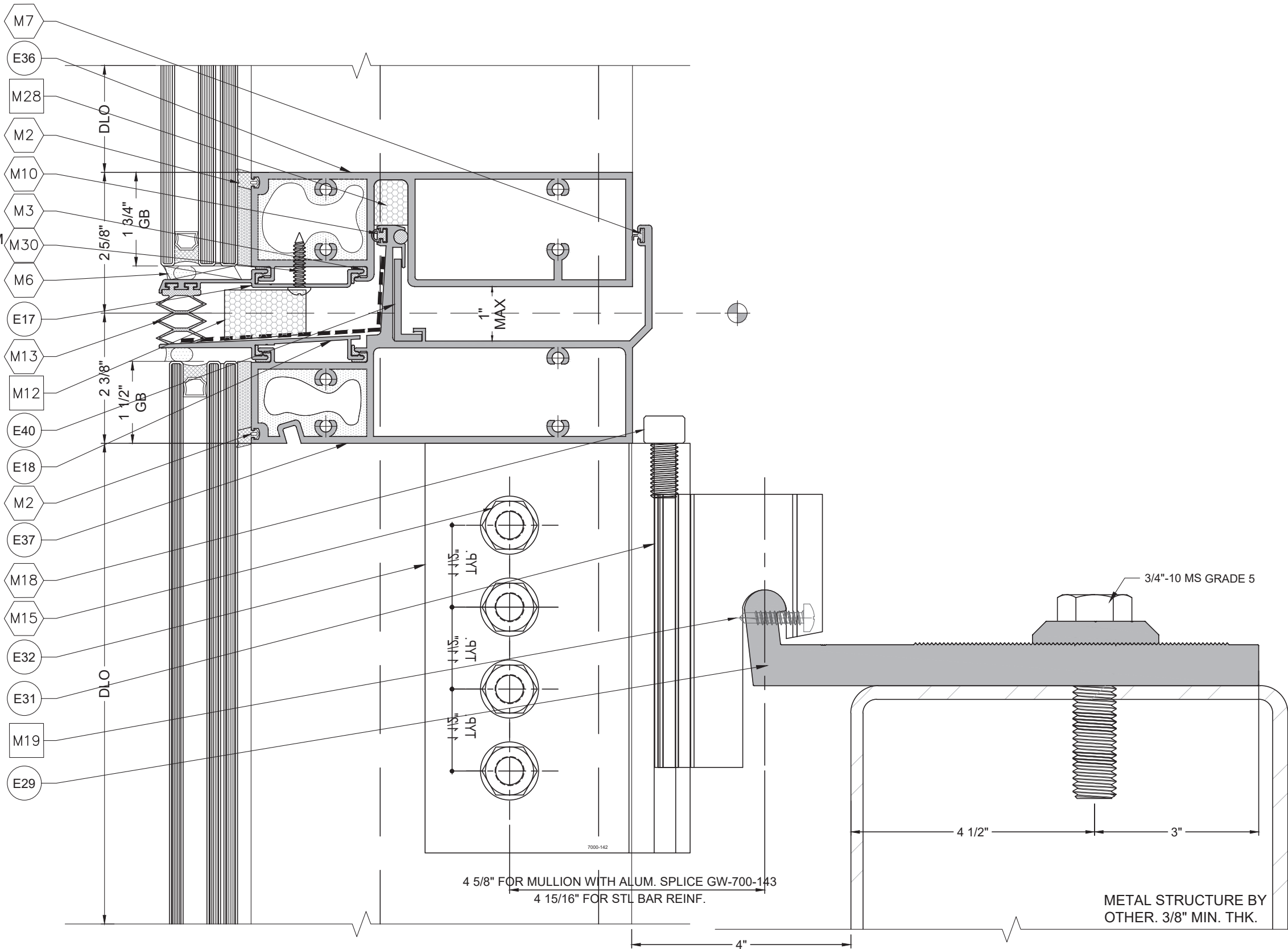
12781 MIARAMAR PARKWAY #301
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REVISIONS

NO.	DATE	DESCRIPTION
1	02.21.2024	NEW
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98	02.21.2024	NEW
99	02.21.2024	NEW
100	02.21.2024	NEW

(2) @6" FROM
EACH END

EXTERIOR



1
D17
DETAIL
TYPICAL

FLORIDA APPROVAL:
FL#28879.6

YIPING WANG
FLORIDA REGISTRATION
#55983
C.A.N. 28637
No 55983

March 07th, 2024

REVISIONS		
NO	DATE	DESCRIPTION
RO	02.21.2024	NEW

MCY ENGINEERING, INC.
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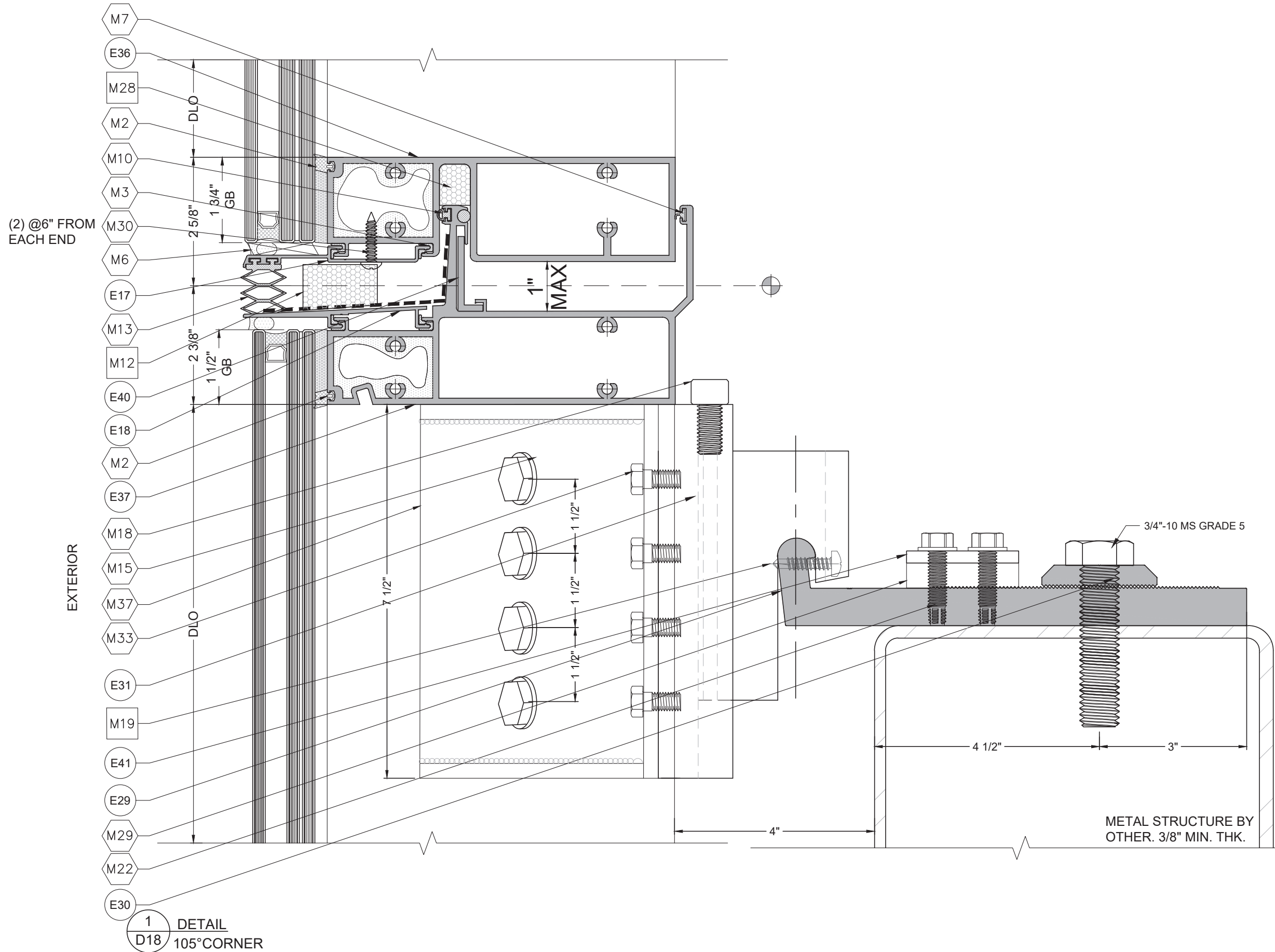
SERIES 7000 CURTAIN WALL LARGE AND SMALL MISSILE IMPACT

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MIAMI, FL 33142
PH: (305)-342-0890 FAX (786) 513-3965

D17	
DATE	03.05.2024
SCALE	AS SHOWN
DRAWN	James
PROJECT	

DRAWING NO.
AD24-05

27 OF 33



(2) @6" FROM EACH END

EXTERIOR

1
D18
DETAIL
105° CORNER

METAL STRUCTURE BY OTHER. 3/8" MIN. THK.

FLORIDA APPROVAL:
FL#28879.6

March 07th, 2024

REVISIONS

NO.	DATE	DESCRIPTION
01	02.21.2024	NEW

MCY

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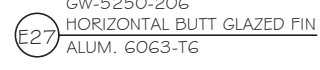
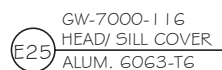
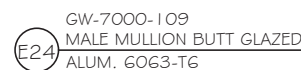
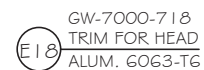
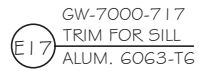
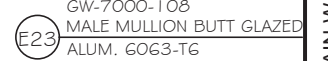
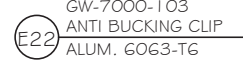
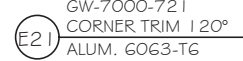
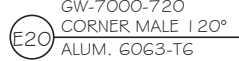
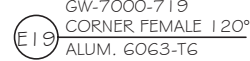
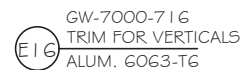
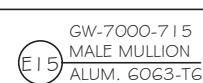
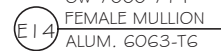
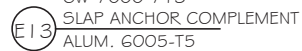
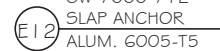
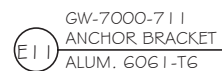
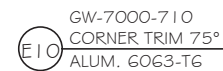
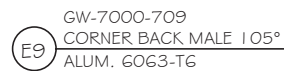
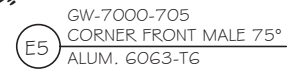
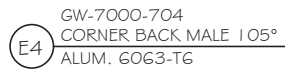
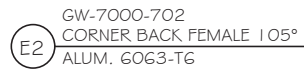
TECNOGLASS, LLC
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D18

DATE	03.05.2024
SCALE	AS SHOWN
DRAWN	James
PROJECT	

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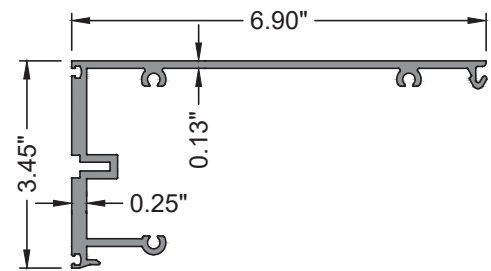
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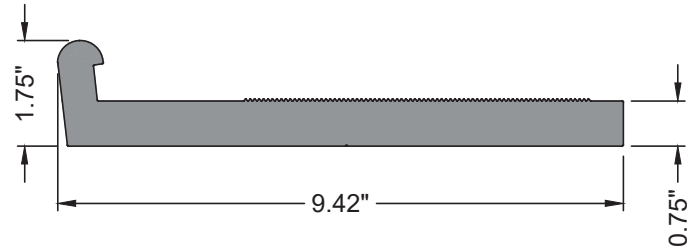
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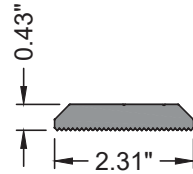
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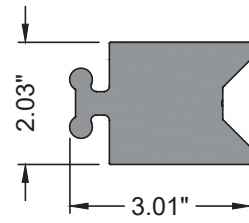
E28 GW-7000-133
HEAD BUTT GLAZED
ALUM. 6063-T6



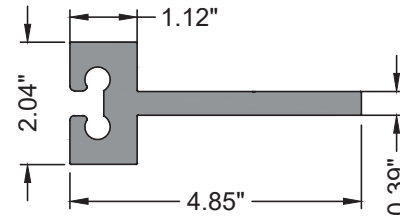
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SLAB ANCHOR
ALUM. 6061-T6



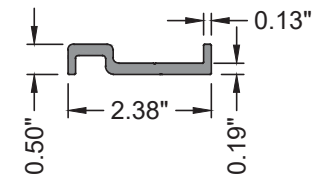
GW-7000-140
SERRATE WASHER
ALUM. 6061-T6



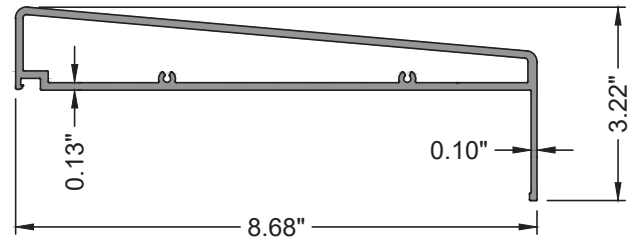
GW-7000-141
MULLION ANCHOR HOOK
ALUM. 6061-T6



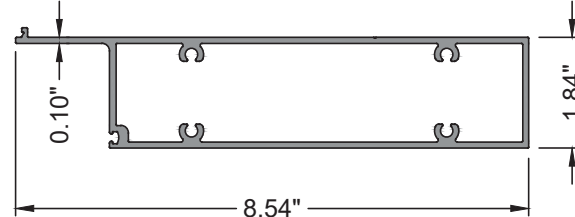
E32 GW-7000-142A
MULLION ANCHOR FIST
ALUM. 6061-T6



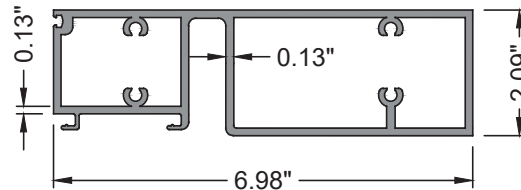
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SPLICE
ALUM. 6061-T6



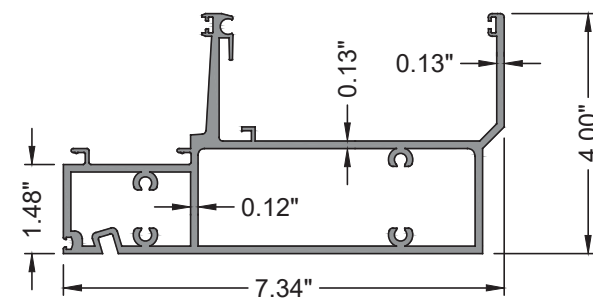
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RAILING COVER
ALUM. 6063-T6



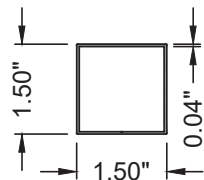
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HORIZONTAL RAILING
ALUM. 6063-T6



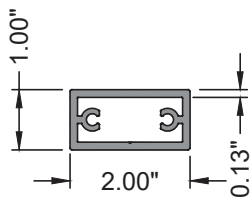
GW-7000-155
SILL
ALUM. 6063-T6



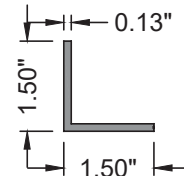
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HORIZONTAL
ALUM. 6063-T6



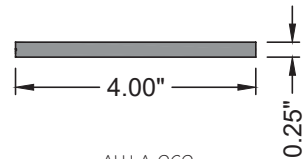
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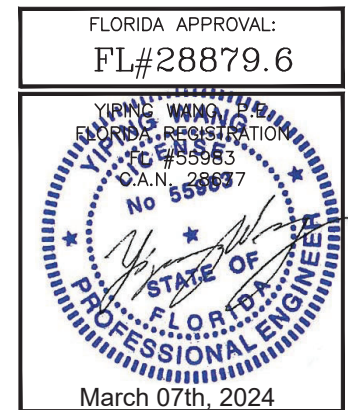
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JAMB SPACER
ALUM. 6063-T6



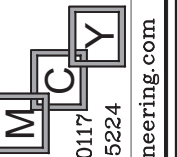
ALU-A-019
ANGLE
ALUM. 6063-T6



E41 ALU-A-060
SHIM PLATE
ALUM. 6063-T6



NO	DATE	DESCRIPTION
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PARTS

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PROJECT	

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AD24-05

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BILL OF MATERIALS			
CODE	PART	DESCRIPTION	ALLOY/ TEMPER
E1	GW-7000-701	CORNER FRONT FEMALE 105°	6063-T6
E2	GW-7000-702	CORNER BACK FEMALE 105°	6063-T6
E3	GW-7000-703	CORNER FRONT MALE 105°	6063-T6
E4	GW-7000-704	CORNER BACK MALE 105°	6063-T6
E5	GW-7000-705	CORNER FRONT FEMALE 75°	6063-T6
E6	GW-7000-706	CORNER BACK FEMALE 75°	6063-T6
E7	GW-7000-707	CORNER FRONT MALE 75°	6063-T6
E8	GW-7000-708	CORNER FRONT MALE 75°	6063-T6
E9	GW-7000-709	CORNER BACK MALE 105°	6063-T6
E10	GW-7000-710	CORNER TRIM 75°	6063-T6
E11	GW-7000-711	ANCHORE BRACKET	6061-T6
E12	GW-7000-712	SLAP ANCHOR	6005-T5
E13	GW-7000-713	SLAP ANCHOR COMPLEMENT	6005-T5
E14	GW-7000-714	FEMALE MULLION	6063-T6
E15	GW-7000-715	MALE MULLION	6063-T6
E16	GW-7000-716	TRIM FOR VERTICALS	6063-T6
E17	GW-7000-717	TRIM FOR SILL	6063-T6
E18	GW-7000-718	TRIM FOR HEAD	6063-T6
E19	GW-7000-719	CORNER FEMALE 120°	6063-T6
E20	GW-7000-720	CORNER MALE 120°	6063-T6
E21	GW-7000-721	CORNER TRIM 120°	6063-T6
E22	GW-7000-103	ANTI BUCKLING CLIP	6063-T6
E23	GW-7000-108	MALE MULLION BUTT GLAZED	6063-T6
E24	GW-7000-109	FEMALE MULLION BUTT GLAZED	6063-T6

BILL OF MATERIALS			
CODE	PART	DESCRIPTION	ALLOY/ TEMPER
E25	GW-7000-116	HEAD/SILL COVER	6063-T6
E26	GW-7000-129	HORIZONTAL BUTT GLAZED	6063-T6
E27	GW-5250-206	HORIZONTAL BUTT GLAZED FIN	6063-T6
E28	GW-7000-133	HEAD BUTT GLAZED	6063-T6
E29	GW-7000-139	SLAB ANCHOR	6061-T6
E30	GW-7000-140	SERRATE WASHER	6061-T6
E31	GW-7000-141	MULLION ANCHOR HOOK	6061-T6
E32	GW-7000-142A	MULLION ANCHOR FIST	6061-T6
E33	GW-7000-143	SPLICE	6061-T6
E34	GW-7000-149	RAILING COVER	6063-T6
E35	GW-7000-150	HORIZONTAL RAILING	6063-T6
E36	GW-7000-155	SILL	6063-T6
E37	GW-7000-154	HORIZONTAL	6063-T6
E38	TG-T-215	1-1/2" X 1-1/2" TUBULAR	6063-T6
E39	103-047	JAMB SPACER	6063-T6
E40	ALU-A-019	ANGLE	6063-T6
E41	ALU-P-060	SHIM PLATE	6063-T6

FLORIDA APPROVAL:
FL#28879.6

YIPING WING
FLORIDA REGISTRATION
#55983
C.A.N. 28637

March 07th, 2024

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www.MCYEngineering.com MCY@mcyengineering.com

BILL OF MATERIALS			
COD	PART	DESCRIPTION	MATERIAL
MISCELANEOS			
M1	#14X1 1/2" P.H.	ASSEMBLY SCREW	STAINLESS STEEL
M2	W5250-NS02	EXTERIOR PRESSURE GASKET	SILICONE
M3	065-012	THERMAL ISOLATER	PVC
M4	3/4" X 3 3/4" X 5/8" X 2"	STEEL REINFORCEMENT BAR	STEEL
M5	ES-W625-N01A 065-008	CHICKEN HEAD SPACER	NYLON 6
M6	ES-7000-B01A	SETTING BLOCK	SILICONE
M7	W5250-NE01E	MULLION SEAL GASKET	EPDM
M8	065-009E	MULLION AIR BARRIER	EPDM
M9	065-019E	MULLION INTERIOR VERTICAL AIR SEAL	EPDM
M10	ES-W625-G01A E 065-011	STACK JOINT FRONT GASKET	EPDM
M11	GW7000-NE006	PVC PART SOLID	SOLID PVC
M12	CW7000-F01	SPONGE BUFFER	CLOSED CELL NEOPRENE SPONGE

BILL OF MATERIALS			
COD	PART	DESCRIPTION	MATERIAL
MISCELANEOS			
M13	WW7000-NE001E	EXPANSION JOINT GASKET	EPDM
M14	1/2 - 13 x 3 1/4 F.H.	1/2 - 13 SAE GRADE 8	STAINLESS STEEL
M15	1/2-13 x 1 3/4 HEX HEAD CAP SCRW GRD 5 ZINC	PERNO	ROH
M16	1/2-13 NUT	FOR VERTICAL CAPTURED REINFORCEMENT	STAINLESS STEEL
M17	WASHER 1/2"	1/2" INOX.	STAINLESS STEEL
M18	1/2-13 x 1" SOCKET ALLEN	SAE GRADE 5	STAINLESS STEEL
M19	TOR 1/4 X 3/4 PH SELF DRILLING	TORNILLO	STEEL
M20	3/8"X5"X12 1/2"	STEEL PLATE	STEEL
M21	3/8"X5"X15 1/2"	STEEL PLATE	STEEL
M22	3/8" -16 X 1 1/2" HWH TAPTITE ALTERNATIVE	TORNILLO	STEEL
M23	5/16" -18 X 1 3/4" HWH TAPTITE ALTERNATIVE	TORNILLO	STEEL
M24	TOR 5/16"-18 X 1 1/4" F.H. MS GRADE 5	TORNILLO	STEEL

FLORIDA APPROVAL:
FL#28879.6

YIPING WING

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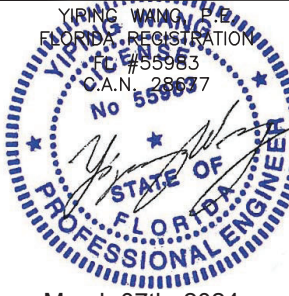
DRAWING NO.
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BILL OF MATERIALS			
COD	PART	DESCRIPTION	MATERIAL
MISCELANEOS			
M25	WHASHER 5/16"	5/16" INOX.	STAINLESS STEEL
M26	5/16–18 NUT	FOR VERTICAL CAPTURED REINFORCEMENT	STAINLESS STEEL
M27	T-BOND V2204 1/8"X1/2"	DOUBLE SIDE TAPE	POLYURETHANE
M28	ES-7530-F08	MULLION FOAM 5/8"*1" 7/8"*7"	BLACK CLOSED CELL NEOPRENE SPONGE
M29	3/8" X 2 ¼" X 12 ¾"	STEEL PLATE	STEEL
M30	TOR #12 X 3/4" P.H.	TORNILLO	STEEL
M31	TOR #10-24 X 5/8" F.H.	TORNILLO	STEEL
M32	TOR #10-24 X 7/16" F.H.	TORNILLO	STEEL
M33	TOR 3/8-16X 3/4" HEX CAP	TORNILLO	STEEL
M34	ES-WW1025T-301	THERMAL INSOLATOR	PVC
M35	EMP-484 ES-7530-G10B	BULB GASKET	SILICONE
M36	ES-UN8030-G04	BULB GASKET	SILICONE
M37	7 ½" x 8 ⅙" x 1/4" / 127°	ANCHORS	STEEL
M38	9" x 8 ⅙" x 1/4" / 127°	ANCHORS	STEEL

BILL OF MATERIALS			
COD	PART	DESCRIPTION	MATERIAL
MISCELANEOS			
M39	9"x6 ½"x4 ⅝" X 1/4" / 120°	ANCHORS	STEEL
M40	9"x10 ¾"x4 ¾" X 3/8" / 75°	ANCHORS	STEEL
M41	TOR 5/16"-18 X 1 ¾" F.H. MS GRADE 5	TORNILLO	STEEL
M42	5/8-13 x 1 3/4 HEX HEAD CAP SCRW GRD 5 ZINC	PERNO	ROH
M43	5/8-13 NUT	FOR VERTICAL CAPTURED REINFORCEMENT	STAINLESS STEEL
M44	WASHER 5/8"	5/8" INOX.	STAINLESS STEEL
M45	3/4" X 3 ¾" X 3/4" X 1 1/2"	STEEL REINFORCEMENT BAR	STEEL
M46	3/8"X5"X4 ½"	ALUM. PLATE	6061-T6
M47	3/4-13 x 1 3/4 HEX HEAD CAP SCRW GRD 5 ZINC	PERNO	ROH
M48	3/4-13 NUT	FOR VERTICAL CAPTURED REINFORCEMENT	STAINLESS STEEL
M49	WASHER 3/4"	3/4" INOX.	STAINLESS STEEL

FLORIDA APPROVAL:
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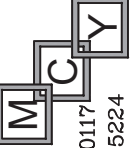


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