



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION
NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION
11805 SW 26 Street, Room 208
Miami, Florida 33175-2474
T (786) 315-2590 F (786) 315-2599
www.miamidade.gov/building

Tecnoglass, LLC
3550 NW 49 Street
Miami, FL 33142

SCOPE:

This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER-Product Control Section to be used in Miami-Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).

This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami-Dade County) and/or the AHJ (in areas other than Miami-Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.

This product is approved as described herein and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Series "7000" Aluminum Curtain Wall System – L.M.I.

APPROVAL DOCUMENT: Drawing No. **AD12-64**, titled "Series 7000 Aluminum Curtain Wall LMI/SMP", sheets 01 through 38 of 38, dated 01/18/23, with revision #3 dated 01/18/23, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant.

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, **Barranquilla, Colombia S.A.**, series and following statement: "Miami-Dade County Product Control Approved" unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

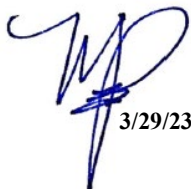
ADVERTISEMENT: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.

This NOA **revises and renews** NOA No. **18-0403.07** and consists of this page 1, evidence pages E-1, E-2, and E-3, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**




3/29/23

NOA No. 23-0208.01
Expiration Date: June 06, 2028
Approval Date: April 06, 2023
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA No. 12-1126.04)
2. Drawing No. **AD12-64**, titled "Series 7000 Aluminum Curtain Wall LMI / SMI", sheets 01 through 38 of 38, dated 07/08/16, with revision #2 dated 03/30/18, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
(Submitted under NOA No. 18-0403.07)

B. TESTS

1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
2) Uniform Static Air Pressure Test, Loading per FBC, TAS 202-94
3) Water Resistance Test, per FBC, TAS 202-94
4) Dynamic Pressure Water Resistance Test, per ASTM E 331 and per FBC, TAS 202-94
5) Small Missile Impact Test per FBC, TAS 201-94
6) Large Missile Impact Test per FBC, TAS 201-94
7) Cyclic Wind Pressure Loading per FBC, TAS 203-94
8) Drop Load Test, per CPCS 16 CFR 1201 (Cat 11)
7) Safety Performance Test, (class A) per ANSI Z97.1
along with marked-up drawings and installation diagram of a series 7000 aluminum curtain wall system, prepared by Fenestration Testing Laboratory, Inc., Test Report No. **FTL-7147**, dated 02/04/13, signed and sealed by Marlin D. Brinson, P.E.
(Submitted under NOA No. 12-1126.04)

C. CALCULATIONS

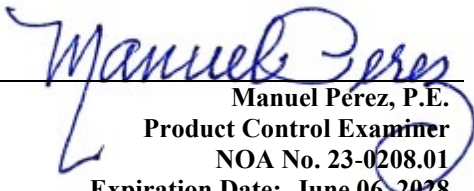
1. Anchor verification calculations and structural analysis complying with **FBC 5th Edition (2014)**, dated 06/11/15 revised on 08/26/16,, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
(Submitted under NOA No. 15-0625.05)
2. Glazing complies with **ASTM E 1300-09**

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **17-0808.02** issued to **Kuraray America, Inc.** for their "**SentryGlas® (Clear and White) Glass Interlayers**" dated 12/28/17, expiring on 07/04/23.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-0208.01
Expiration Date: June 06, 2028
Approval Date: April 06, 2023


NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's (CONTINUED)
F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 6th Edition (2017)**, and of no financial interest, dated March 30, 2018, issued by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.
(Submitted under NOA No. 18-0403.07)
2. Asset purchase agreement dated 02/09/15, signed by Mr. Massimo Valentini and Mr. Andres Chamorro.
(Submitted under NOA No. 15-0625.05)
3. Letter from owners of existing NOA stating that they have sold all assets to the applicant, that they no longer manufacture the product and relinquish their rights to the current NOA No. **12-1126.04**, dated 02/09/15, signed by Mr. Massimo Valentini.
(Submitted under NOA No. 15-0625.05)
4. Laboratory compliance letter for Test Report No. **FTL-7147**, issued by Fenestration Testing Laboratory, Inc., dated 02/04/13, signed and sealed by Marlin D. Brinson, P.E.
(Submitted under NOA No. 12-1126.04)
5. Proposal issued by Product Control, dated 7/30/12, signed by Jaime D. Gascon, P.E.
(Submitted under NOA No. 12-1126.04)

G. OTHERS

1. Notice of Acceptance No. **15-0625.05**, issued to Tecnoglass, LLC, for their Series "7000" Aluminum Curtain Wall System – L.M.I., approved on 12/01/16 and expiring on 06/06/18.


Manuel Pérez, P.E.
Product Control Examiner
NOA No. 23-0208.01
Expiration Date: June 06, 2028
Approval Date: April 06, 2023

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

2. NEW EVIDENCE SUBMITTED

A. DRAWINGS

1. Drawing No. **AD12-64**, titled “Series 7000 Aluminum Curtain Wall LMI / SMI”, sheets 01 through 38 of 38, dated 01/18/23, with revision #3 dated 01/18/23, prepared by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

B. TESTS

1. None

C. CALCULATIONS

1. None.

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER)

E. MATERIAL CERTIFICATIONS

1. Notice of Acceptance No. **22-1116.01** issued to **Kuraray America, Inc.** for their “SentryGlas® (Clear and White) Glass Interlayers” dated 12/15/22, expiring on 07/04/28.

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 7th Edition (2020)**, and of no financial interest, dated February 8, 2023, issued by MCY Engineering, Inc., signed and sealed by Yiping Wang, P.E.

G. OTHERS

1. Notice of Acceptance No. **18-0403.07** issued to Tecnoglass, LLC, for their Series “7000” Aluminum Curtain Wall System – L.M.I., approved on 05/31/18 and expiring on 06/06/23.



Manuel Perez, P.E.
Product Control Examiner
NOA No. 23-0208.01

Expiration Date: June 06, 2028
Approval Date: April 06, 2023

SERIES 7000 CURTAIN WALL (LMI / SMI)

INDEX

01	DESIGN SPECIFICATION
02	SCHEDULE OF EXTRUSIONS
03	SCHEDULE OF EXTRUSIONS
04	MULTIPLE SPAN ELEVATION AND SECTIONS
05	MULTIPLE SPAN ELEVATION AND SECTIONS
06	TYP. MULLION/JAMB SECTIONS
07	MULLION/JAMB/CORNER MULLION SECTIONS
08	TYP. MULLION/JAMB/CORNER REINF. SECTION PROPERTIES
09	TYP. MULLION DETAIL
10	TYP. MULLION W/ REINF. DETAIL
11	TYP. HORIZONTAL DETAIL
12	INSIDE / OUTSIDE CORNER DETAIL
13	JAMB VERTICAL MULLION DETAIL
14	JAMB VERTICAL MULLION W/ REINF. DETAIL
15	SILL DETAIL INTO STEEL
1	SILL DETAIL INTO CONC.
17	HEAD DETAIL
18	TYP. MULLION ANCHOR TYPE A / EXP. JOINT
19	TYP. MULLION ANCHOR TYPE B / EXP. JOINT
20	TYP. MULLION ANCHOR TYPE C / EXP. JOINT
21	TYP. MULLION ANCHOR TYPE C-1 / EXP. JOINT
22	TYP. MULLION ANCHOR TYPE D / EXP. JOINT
23	TYP. JAMB ANCHOR TYPE A / EXP. JOINT
24	TYP. JAMB ANCHOR TYPE B / EXP. JOINT
25	TYP. JAMB ANCHOR TYPE C / EXP. JOINT
26	TYP. JAMB ANCHOR TYPE D / EXP. JOINT
27	INSIDE CORNER MULL. ANCHOR TYPE A OR B
28	INSIDE CORNER MULL. ANCHOR TYPE C
29	INSIDE CORNER MULL. ANCHOR TYPE D
30	OUTSIDE CORNER MULL. TO EMBED CONNECTION
31	OUTSIDE CORNER MULL. ANCHOR TYPE A OR B
32	OUTSIDE CORNER ANCHOR TYPE A EXP. JOINT
33	OUTSIDE CORNER ANCHOR TYPE A EXP. JOINT
34	OUTSIDE CORNER MULL. ANCHOR TYPE C
35	OUTSIDE CORNER ANCHOR TYPE C EXP. JOINT
36	OUTSIDE CORNER MULL. ANCHOR TYPE D
37	OUTSIDE CORNER ANCHOR TYPE D EXP. JOINT
38	BILL OF MATERIALS

MATERIALS

- A. ALUMINUM:
- 1- ALL ALUMINUM EXTRUSION SHALL BE 6063-T5, 6063-T6 AND 6061-T6 (OR EQUIVALENT) AS SHOWN IN BILL OF MATERIAL
- B. STEEL:
- 1- ALL STEEL FOR CURTAIN WALL SHALL BE ASTM A36 OR A50 AS PER BILL OF MATERIALS. $F_y=36\text{ksi}$ OR $F_y=50\text{ksi}$
- 2- ALL STEEL WELDS TO BE ELECTRODE E70
- C. SEALANT:
- 1- APPLY GE SSG 4600 ULTRAGLAZE OR DOW 983 TO SHOP APPLIED METAL TO METAL JOINERY (FRAME ASSEMBLY).
- 2- APPLY DOW CORNING 90 OR GE ULTRA 2700 TO EXTERIOR PERIMETER SEALANT AND FASTENER SEALANT.
- 3- THE GLAZING SEALANT SHALL BE GE SSG 4600 ULTRAGLAZE OR DOW 983.
- 4-ALL FRAME AND PANEL JOINT, INSTALLATION SCREWS AND HEADS OF ANCHOR SCREWS AT SILL TO BE SEALED WITH WHITE/ALUM COLORED SEALANT.
- D. GLASS:
- 1- 1 1/4" NOMINAL INSULATED LAMINATED GLASS COMPOSED OF :
- 1/4" THK TEMPERED GLASS (EXTERIOR)
 - 7/16" THK AIR SPACE, SPACER BY LINGEMANN GmbH
 - 5/16" THK H.S. GLASS
 - 0.090 SENTRY GLASS INTERLAYER BY KURARAY AMERICA, INC.
 - 5/16" THK H.S. GLASS
- 2- GLASS CAPACITY FOR A GIVEN AREA USE CHART ON SHEET 05
- 3- SETTING BLOCK AT 1/4" POINT
- E. FASTENERS:
- 1-ALL FRAME ASSEMBLY SCREWS SHALL BE:
- A. 300 SERIES COLD-ROLLED STAINLESS STEEL
 $F_u=100\text{ksi}$, $F_y=65\text{ksi}$
- B. HALFEN T-BOLT M20X80mm GV-S GRADE 8.8 (ASTM F 568 CLASS 8.8 3/4" X 3-1/4"; $F_y=96.7\text{ KSI}$, $F_u=120.35\text{ KSI}$)
- F. SHIM AT SILL TO BE LOAD BEARING SHIM.

GENERAL NOTES

CURTAIN WALL SYSTEM IS RATED FOR LARGE/SMALL MISSILE IMPACT. SHUTTERS NOT REQUIRED.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION FLORIDA BUILDING CODE (2020) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ)

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 CURRENT FLORIDA BUILDING CODE INCLUDING ADAPTED STANDARDS AS APPLICABLE.

EACH MEMBER SHALL BE CONTINUOUS UNLESS OTHERWISE SPECIFIED.

INSTRUCTIONS:

STEP #1:
DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BUILDING HEIGHT, AND WIND ZONE USING APPLICABLE ASCE 7 STANDARDS OR WIND TUNNEL REPORTS

STEP #2:
SEE CHART ON SHEET 5 OF 38 FOR GLASS CAPACITY OF DESIGNED GLASS AREA. AND CHOOSE SILICONE WIDTH TO MEET DESIGN LOAD.

STEP #3:
FOR MULLION, JAMB AND CORNER MULLION SEE SECTIONS ON SHEET 6 & 7 FOR A GIVEN SPAN V.S. REINFORCEMENT AND DESIGN LOAD.

STEP #4:
BASED ON PROJECT SUBSTRATE, MULLION SPAN, SPACING AND DESIGN LOADS, CHOOSE ANCHOR TYPE FOR HEAD, SILL AND INTERMEDIATE ANCHORS FROM SHEET 15 THRU SHEET 37

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Perez*
Miami-Dade Product Control

MIAMI DADE COUNTY

YIPING WANG, P.E.
FLORIDA REGISTRATION
CE 935583
C.A.N. 28677
No 555877

February 08th, 2023

DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087
DRAWING NO.	AD12-64
SHEET	01 OF 38

REVISIONS

NO.	DATE	DESCRIPTION
1	01/18/23	RENEWAL

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027
P: 305.271.0117
F: 305.588.5224
www.MCYEngineering.com
MCY@mcycengineering.com

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

TECNOGLASS, LLC.
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

1 FEMALE MULLION
7000-101

2 MALE MULLION
7000-102

3 ANTI BUCKLING CLIP
7000-103

4 EXTENDED BEAUTY CAP
7000-104

13 EXPANSION SILL
7000-115

14 HEAD / SILL COVER
7000-116

15 HEAD / SILL
7000-117

16 EXTERIOR CORNER COVER
7000-118

18 INTERIOR CORNER FIN
7000-121

19 EXTERIOR CORNER FEMALE MULLION
7000-122

22 INTERIOR CORNER MALE MULLION
7000-125

20 INTERIOR CORNER FIN
7000-123

9 PRESSURE PLATE
7000-110

23 CHICKEN HEAD SUBSILL
7000-126

24 SILL
7000-127

25 HORIZONTAL MULLION
7000-128

26 HORIZONTAL BUTT GLAZED
7000-129

6 BEAUTY CAP
7000-107

7 FEMALE MULLION BUTT GLAZED
7000-108

11 CHICKEN HEAD
7000-113

10 HORIZONTAL AT STACK JOINT
7000-112

27 HORIZONTAL BUTT GLAZED FIN
7000-130

24 SILL
7000-127

25 HORIZONTAL MULLION
7000-128

26 HORIZONTAL BUTT GLAZED
7000-129

5 MALE MULLION EXTENDED LEG
7000-105

20 INTERIOR CORNER FIN
7000-123

9 PRESSURE PLATE
7000-110

23 CHICKEN HEAD SUBSILL
7000-126

24 SILL
7000-127

25 HORIZONTAL MULLION
7000-128

26 HORIZONTAL BUTT GLAZED
7000-129

15 HEAD / SILL
7000-117

17 EXTERIOR CORNER MALE MULLION
7000-120

21 INTERIOR CORNER FEMALE MULLION
7000-124

27 HORIZONTAL BUTT GLAZED FIN
W5250-206

REVISIONS

NO.	DATE	DESCRIPTION
1	01/18/23	RENEWAL

MCY

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027
P: 305.271.0117
F: 305.588.5224
www.MCYEngineering.com
MCY@mcyengineering.com

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

TECNOGLASS, LLC.
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0208.01
Expiration Date: 06/06/2028
By: Manuel Lopez
Miami-Dade Product Control

MIAMI DADE COUNTY

YIPING WANG, P.E.
FLORIDA REGISTRATION
No. 5558877
February 08th, 2023

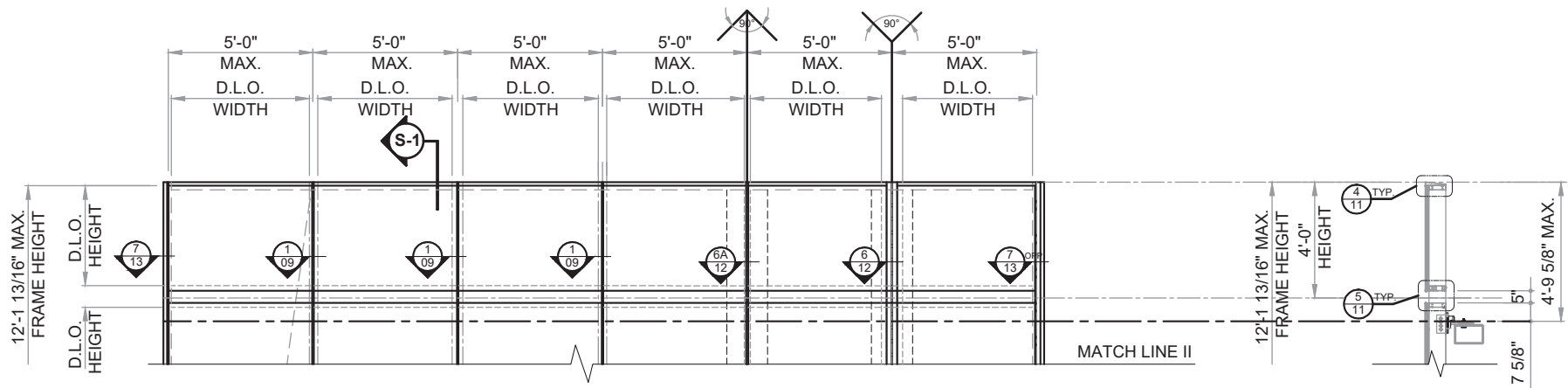
DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087
DRAWING NO. AD12-64	
SHEET 02 OF 38	



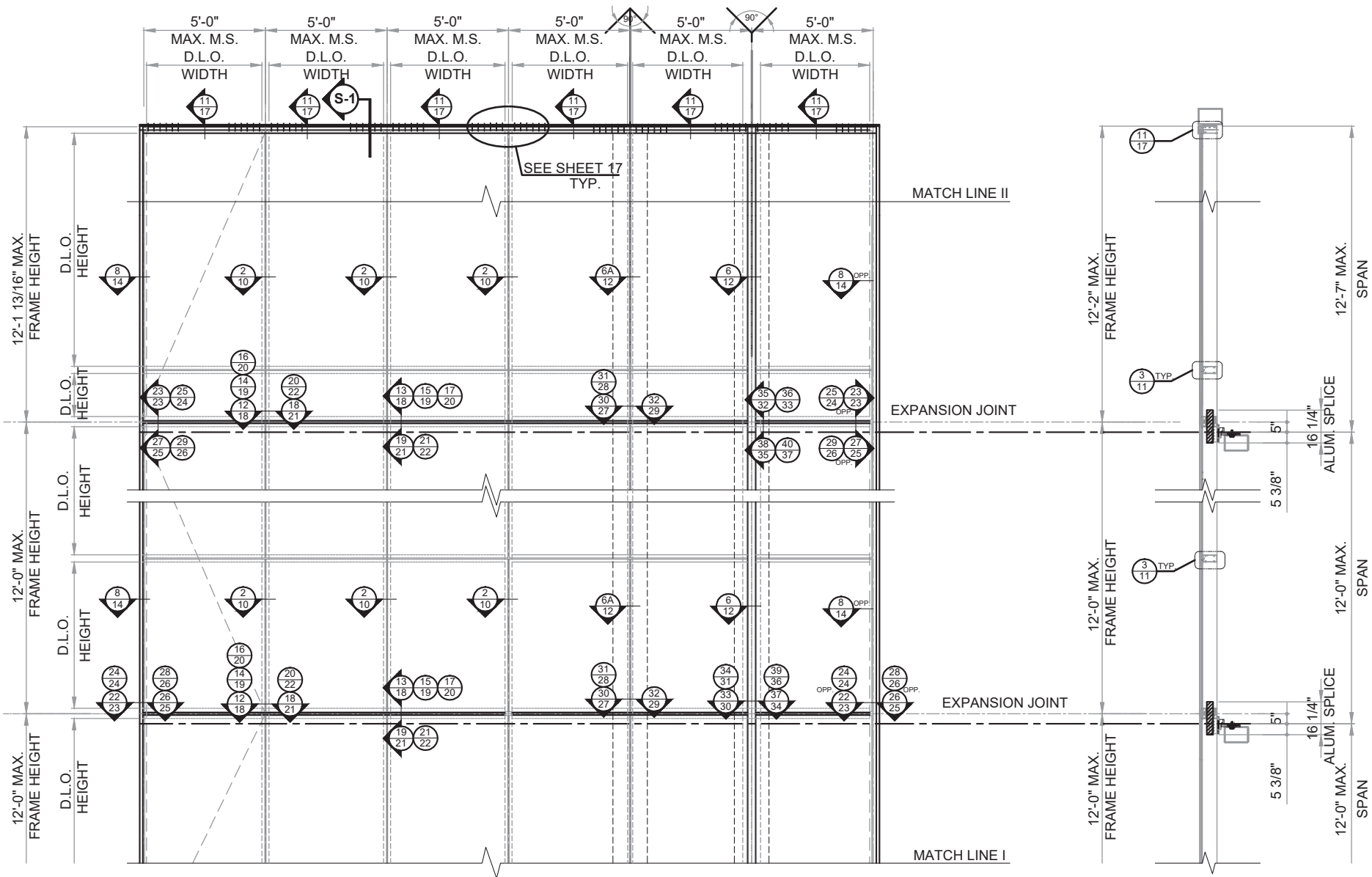
MIAMI DADE COUNTY



DRAWING NO.
AD12-64
SHEET 03 OF 38



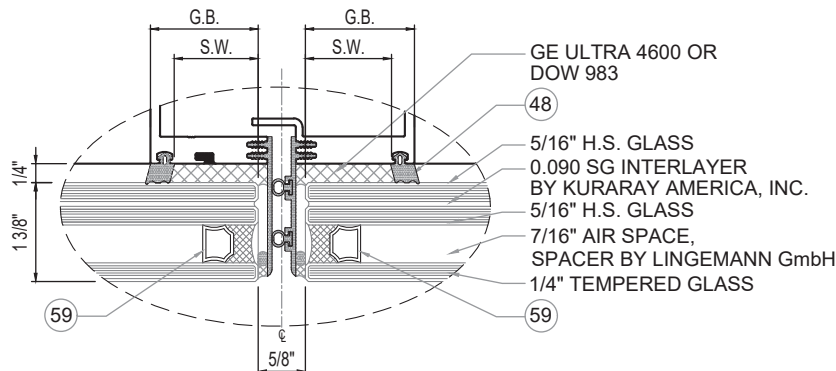
TOP CURTAIN WALL CANTILEVER OPTION



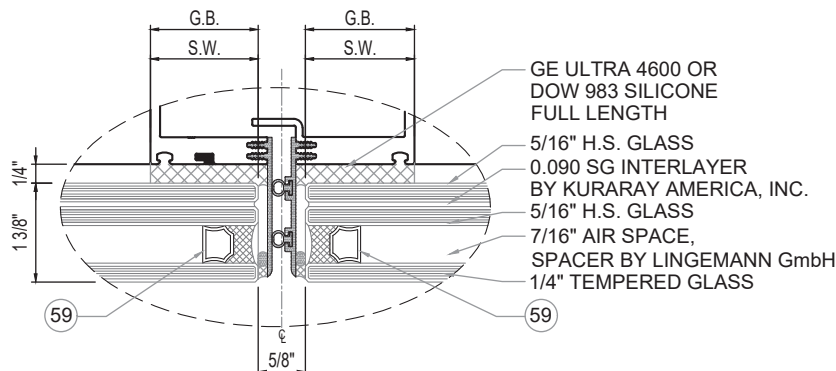
MULTIPLE SPAN ELEVATION - CURTAIN WALL

S-1 SECTION 1

GLAZING OPTIONS



GLASS TYPE A
SILICONE WIDTH = 1 3/16"



GLASS TYPE A
SILICONE WIDTH = 1 7/16"

DESIGN LOAD Pd (PSF) DUE TO SILICONE		
MULLION SPACING (M.S.)	MIN. SILICONE WIDTH (S.W.)	
	1.1875 "	1.4375 "
5'-0"	114 PSF	140 PSF
4'-6"	126.7 PSF	140 PSF
4'-0"	140 PSF	140 PSF

GLASS "TYPE A" CAPACITY (PSF.)	
GLASS AREA (FT²)	
45.9	+ 100 PSF - 140 PSF

**GLASS AREA = D.L.O. WIDTH * D.L.O. HEIGHT

GLASS CAPACITY BASED ON ASTM E 1300-09

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Lopez*
Miami-Dade Product Control

MIAMI DADE COUNTY



February 08th, 2023

DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087

DRAWING NO.
AD12-64

SHEET 05 OF 38

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224
www.MCYEngineering.com MCY@mcycengineering.com

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

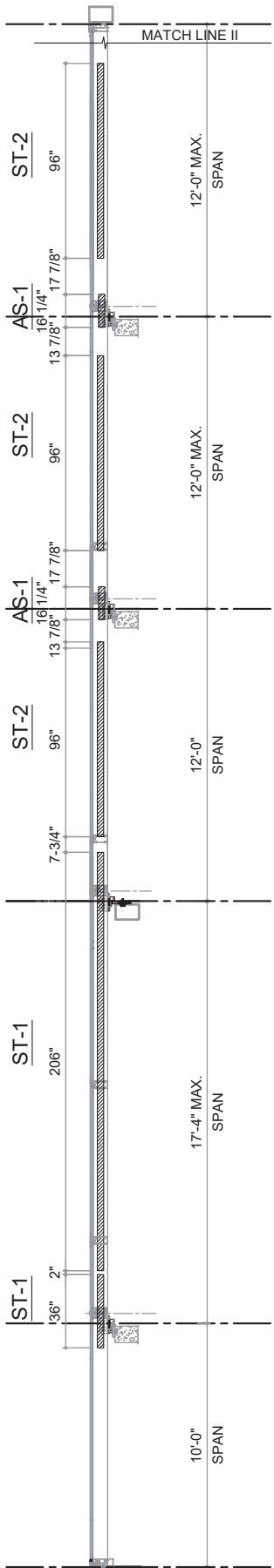
TECNOGLASS, LLC.

3550 NW 49TH STREET, MIAMI, FL 33142

Phone (305) 342-0890 Fax (786) 513-3965

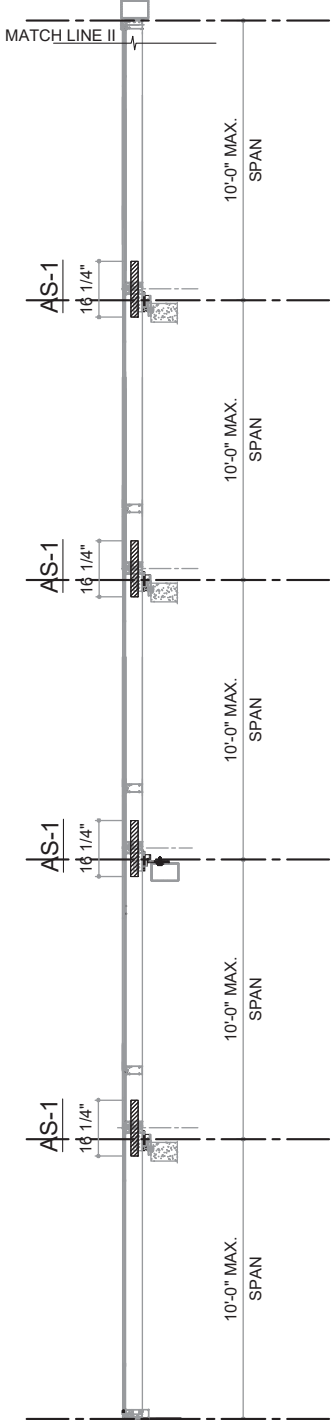
REVISIONS	NO.	DATE	DESCRIPTION
	1	01/18/23	RENEWAL

TYP. MULLION/JAMB SECTIONS W/ OR W/O REINFORCEMENT
NOTE: REFER TO SHEET 8 FOR MULLION SECTIONS & PROPERTIES



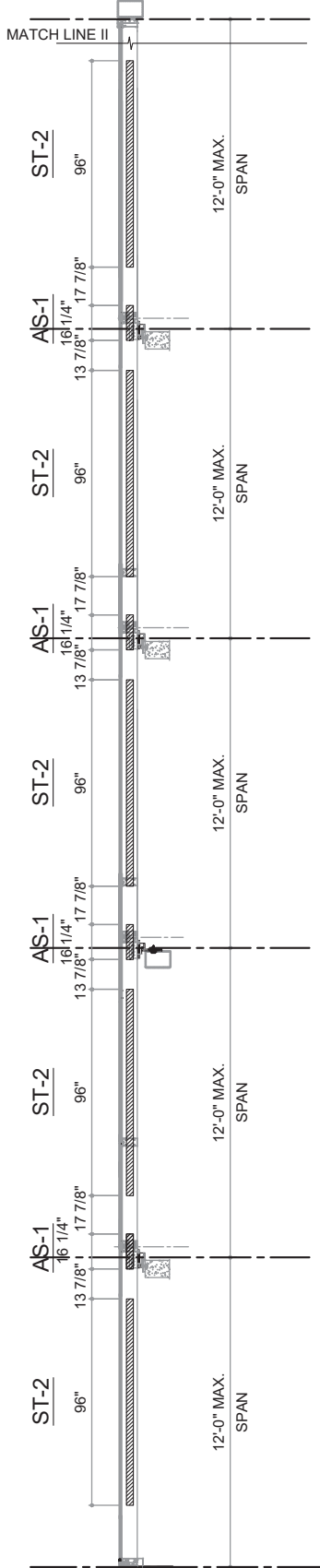
CASE 1

MAX. DESIGN LOAD
+ 100 PSF
- 140 PSF



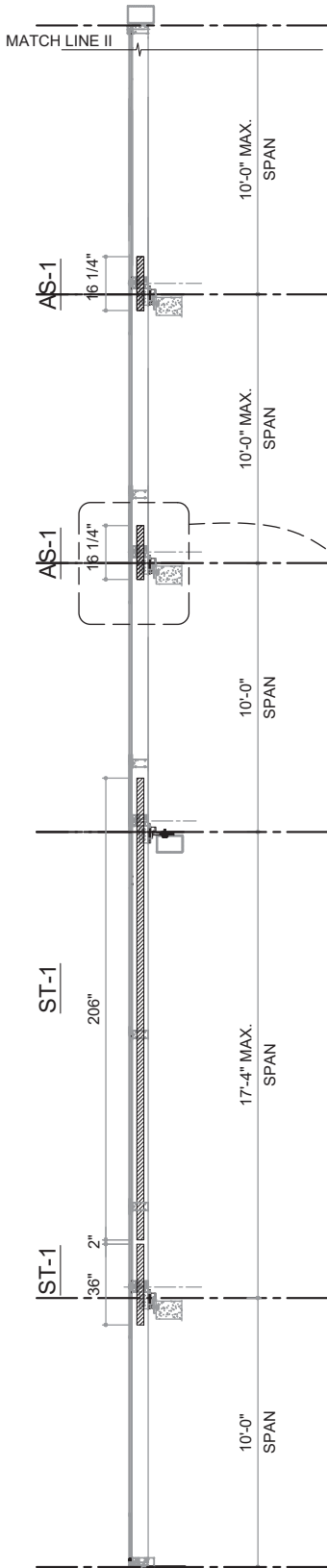
CASE 2

MAX. DESIGN LOAD
+ 100 PSF
- 140 PSF



CASE 3

MAX. DESIGN LOAD
+ 100 PSF
- 140 PSF



CASE 4

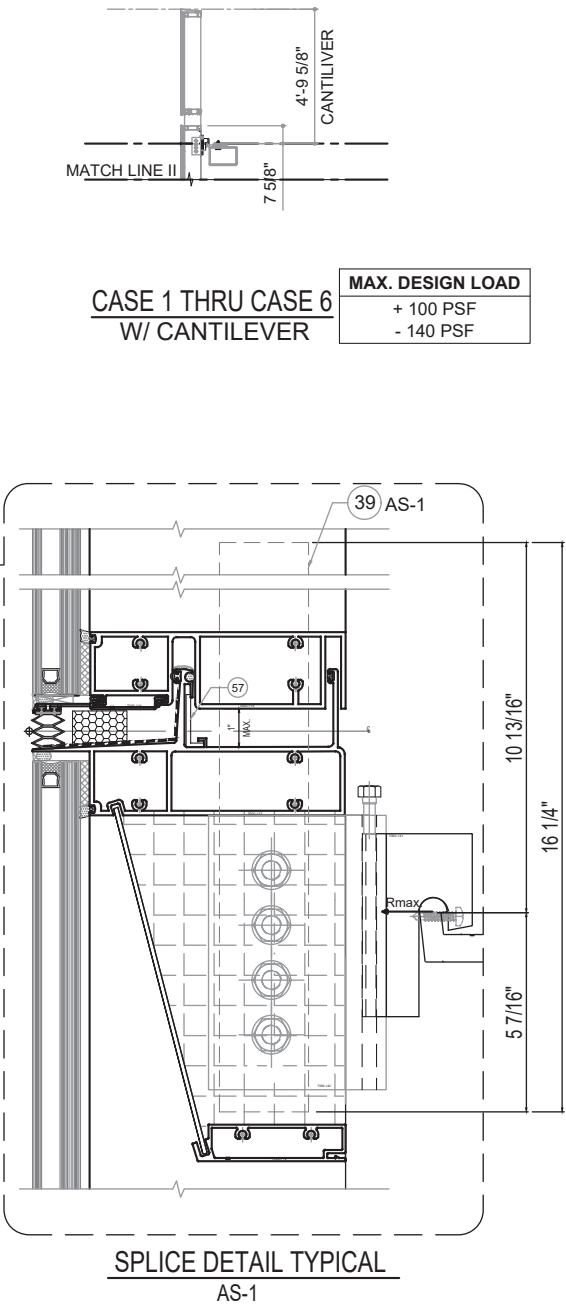
MAX. DESIGN LOAD
+ 100 PSF
- 140 PSF

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control
MIAMI DADE COUNTY

YIPING WANG, P.E.
FLORIDA REGISTRATION
No. 55583
C.A.N. 28677
February 08th, 2023

CASE 1 THRU CASE 6
W/ CANTILEVER

MAX. DESIGN LOAD
+ 100 PSF
- 140 PSF



SPLICE DETAIL TYPICAL
AS-1

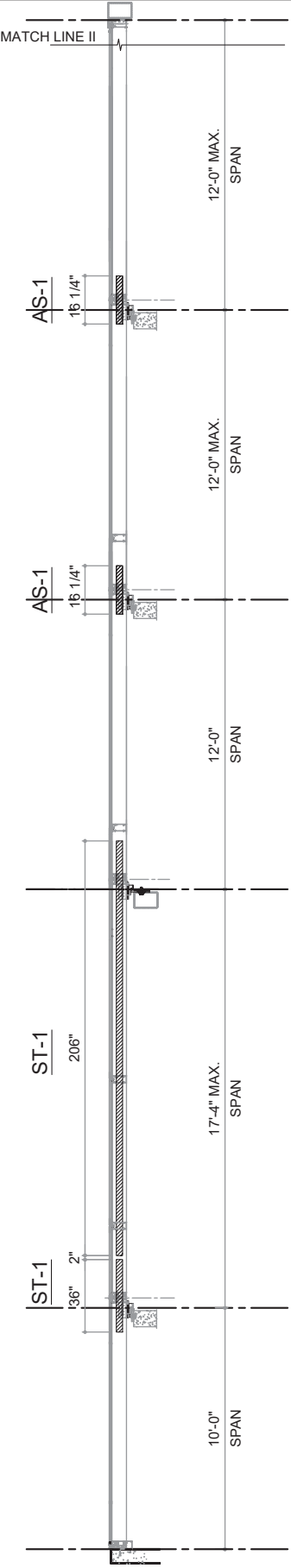
REVISIONS	
NO.	DATE
1	01/18/23
2	01/18/23
3	01/18/23
4	01/18/23
5	01/18/23
6	01/18/23
7	01/18/23
8	01/18/23
9	01/18/23
10	01/18/23

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027
P: 305.271.0117
F: 305.588.5224
www.MCYEngineering.com
MCY@mcycengineering.com

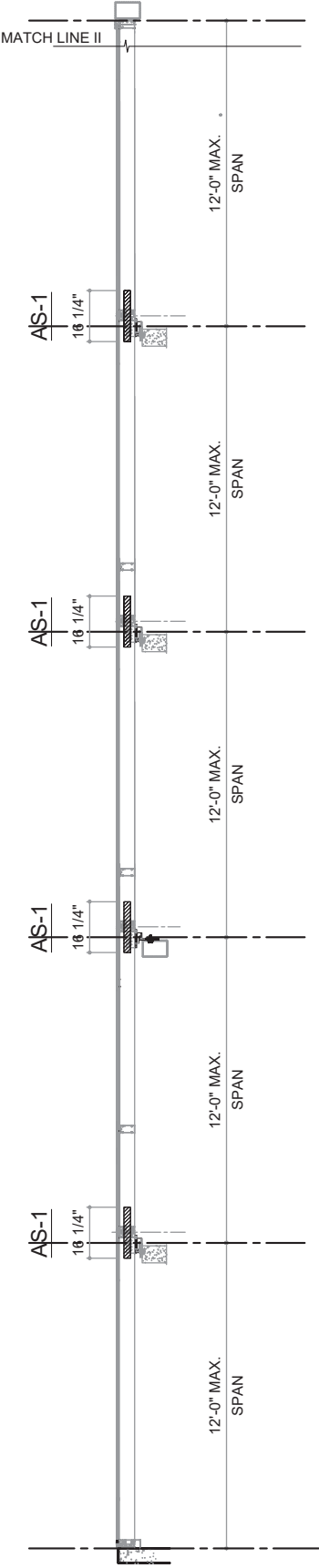
SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI
TECNOGLASS, LLC.
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087
DRAWING NO. AD12-64	
SHEET 06 OF 38	

TYP. MULLION/JAMB SECTIONS W/ OR W/O REINFORCEMENT
NOTE: REFER TO SHEET 8 FOR MULLION SECTIONS & PROPERTIES

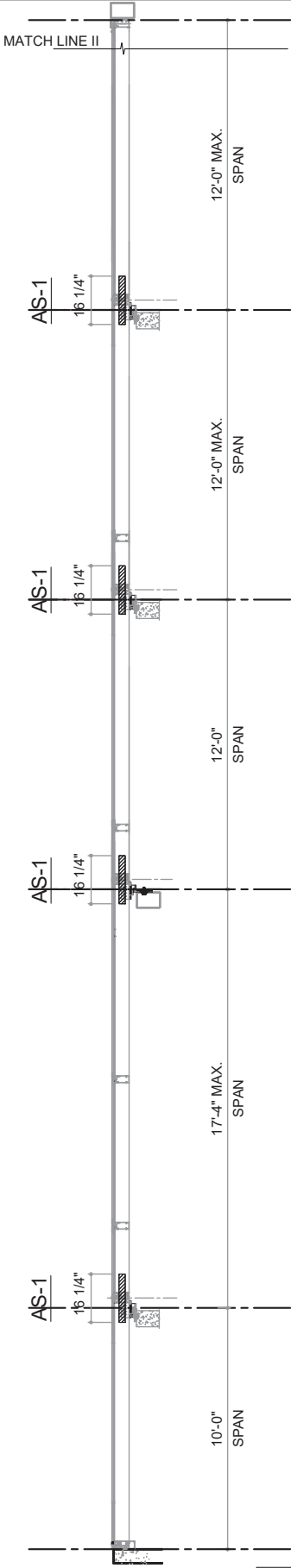


CASE 1.2
MAX. DESIGN LOAD
+ 100 PSF
- 122 PSF

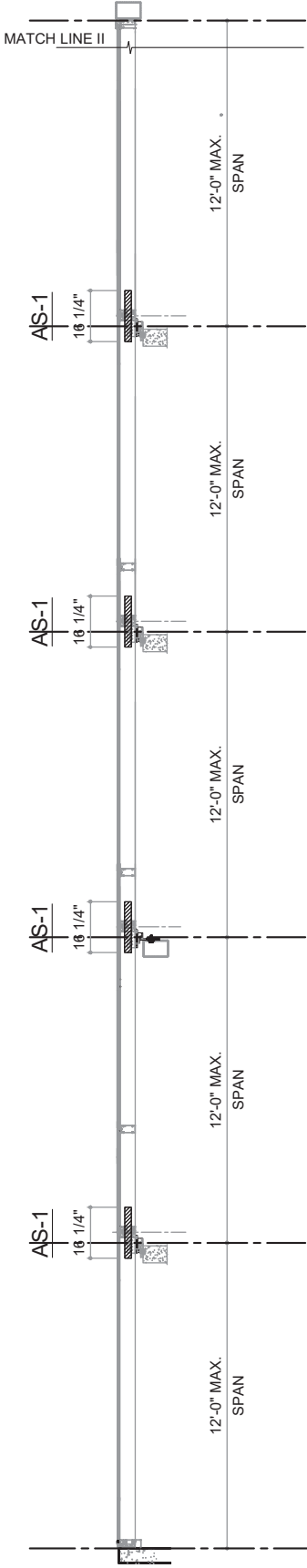


CASE 3.1
MAX. DESIGN LOAD
+ 100 PSF
- 124 PSF

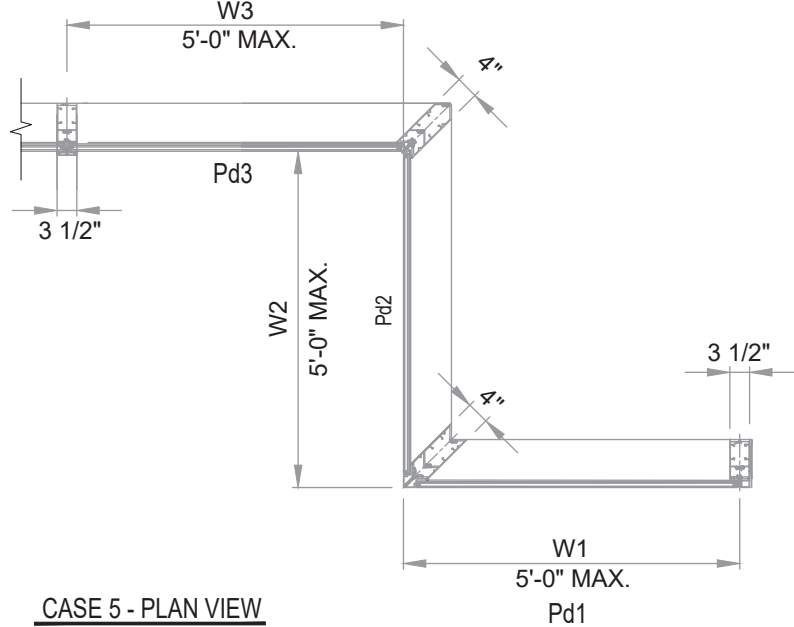
CORNER MULLION SECTION W/ OR W/O REINFORCEMENT
NOTE: REFER TO SHEET 8 FOR MULLION SECTIONS & PROPERTIES



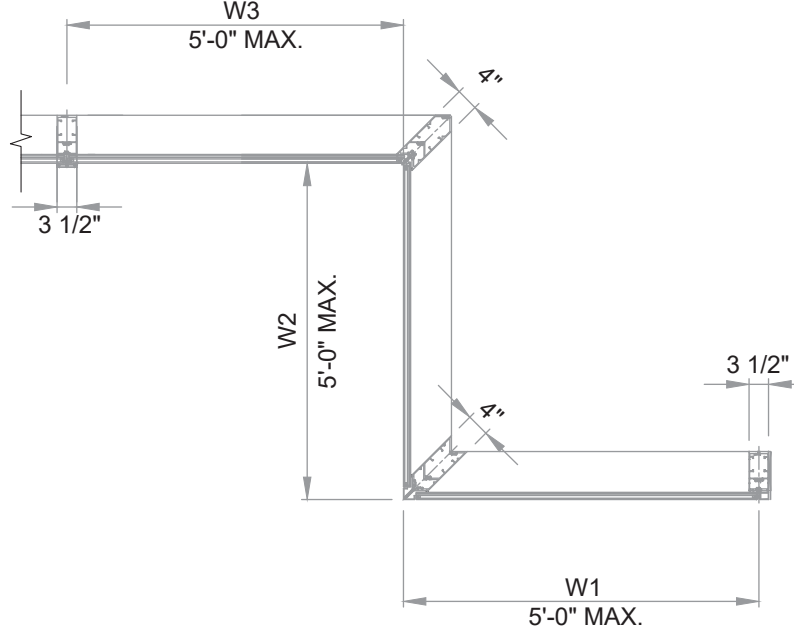
CASE 5
INSIDE / OUTSIDE
CORNER MULLION.
W1*PD1 = W2 *PD2 = W3*PD3
MAX. DESIGN LOAD
+ 100 PSF
- 140 PSF



CASE 6
INSIDE / OUTSIDE
CORNER MULLION.
MAX. DESIGN LOAD
+ 100 PSF
- 140 PSF



CASE 5 - PLAN VIEW
W1*Pd1 = W2 *Pd2 = W3*Pd3
NOTE:
FOR W1*Pd1 ≠ W2 *Pd2 ≠ W3*Pd3
SEPARATE ENGINEERING CALCULATIONS FOR REINFORCEMENTS
ARE REQUIRED BASED ON EACH PROJECT CONDITION



CASE 6 - PLAN VIEW

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jeros*
Miami Dade Product Control
MIAMI DADE COUNTY

YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #35583
C.A.N. 28677
No 55583
February 08th, 2023

DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087
DRAWING NO.	AD12-64
SHEET 07 OF 38	

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301
MIRAMAR FL 33027
P: 305.271.0117
F: 305.588.5224
www.MCYEngineering.com
MCY@mcyengineering.com

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI
TECNOGLASS, LLC.
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

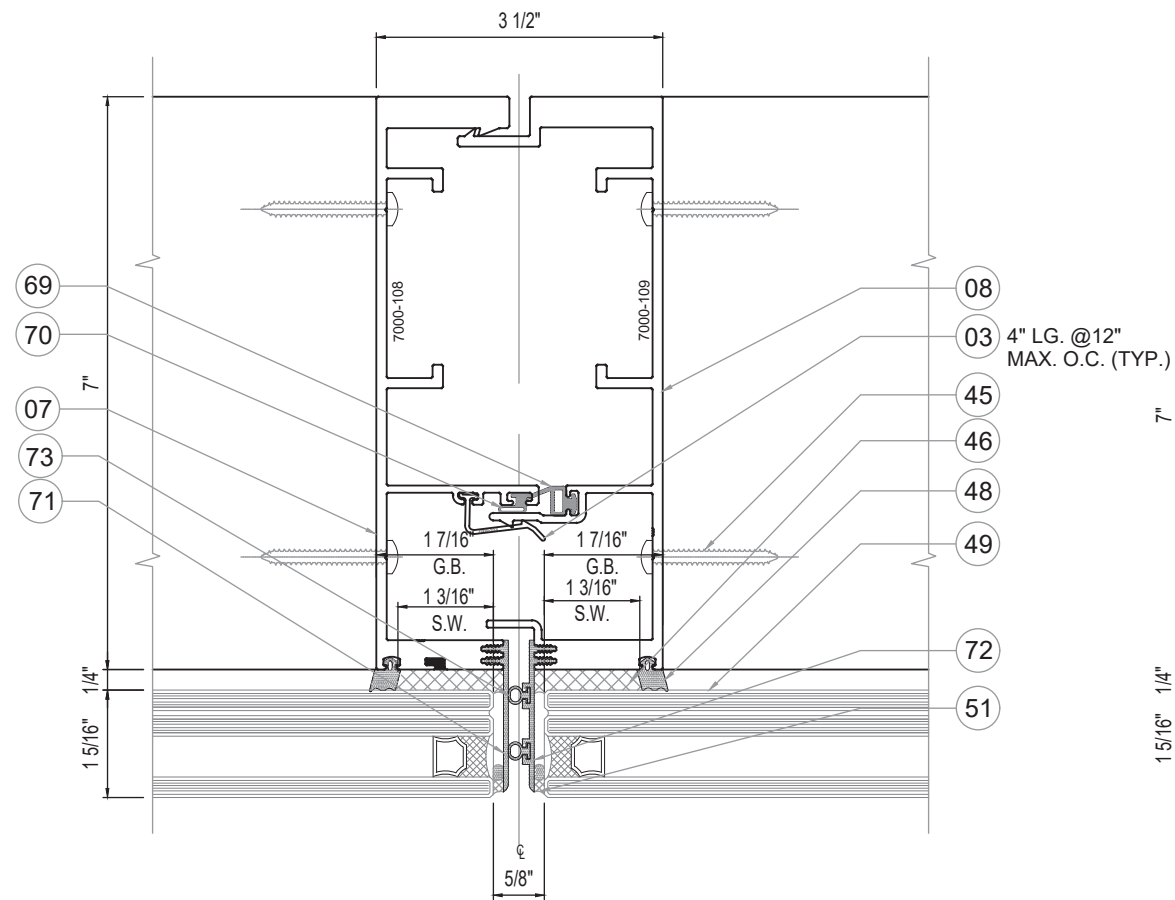
TYP. MULLION W/ OR W/O REINF. OPTIONS					TYP. JAMB W/ OR W/O REINF. OPTIONS				
STRUCTURAL BUTT GLAZED STRAIGHT MULLION	MULLION W/O REINF.	MULLION W/ ST-1	MULLION W/ ST-2	MULLION W/ ST-4	JAMB W/O REINF.	JAMB W/ ST-1	JAMB W/ ST-2	JAMB W/ ST-4	
	ALUM. (7000-109 + 7000-108)	ALUM. (7000-109 + 7000-108) 2 * ST-1	ALUM. (7000-109 + 7000-108) 2 * ST-2	ALUM. (7000-109 + 7000-108) 2 * ST-4	ALUM. (7000-109 + 7000-108)	ALUM. (7000-109 + 7000-108) 1 * ST-1	ALUM. (7000-109 + 7000-108) 1 * ST-2	ALUM. (7000-109 + 7000-108) 1 * ST-4	
STRUCTURAL BUTT GLAZED CURVED MULLION									
	ALUM. (7000-131 + 7000-109)	ALUM. (7000-131 + 7000-109) 2 * ST-1	ALUM. (7000-131 + 7000-109) 2 * ST-2	ALUM. (7000-131 + 7000-109) 2 * ST-4	ALUM. (7000-131 + 7000-132)	ALUM. (7000-131 + 7000-132) 1 * ST-1	ALUM. (7000-131 + 7000-132) 1 * ST-2	ALUM. (7000-131 + 7000-132) 1 * ST-4	
	ALUM. (7000-108 + 7000-102)	ALUM. (7000-102 + 7000-108) 2 * ST-1	ALUM. (7000-102 + 7000-108) 2 * ST-2	ALUM. (7000-102 + 7000-108) 2 * ST-4	ALUM. (7000-108 + 7000-102)	ALUM. (7000-102 + 7000-108) 2 * ST-1	ALUM. (7000-102 + 7000-108) 2 * ST-2	ALUM. (7000-102 + 7000-108) 2 * ST-4	
STRUCTURAL CAPPED GLAZED STRAIGHT MULLION									
	ALUM. (7000-108 + 7000-102)	ALUM. (7000-102 + 7000-108) 2 * ST-1	ALUM. (7000-102 + 7000-108) 2 * ST-2	ALUM. (7000-102 + 7000-108) 2 * ST-4	ALUM. (7000-108 + 7000-102)	ALUM. (7000-102 + 7000-108) 2 * ST-1	ALUM. (7000-102 + 7000-108) 2 * ST-2	ALUM. (7000-102 + 7000-108) 2 * ST-4	
	ALUM. (7000-120 + 7000-122)	ALUM. (7000-124 + 7000-125) X-Direction	ALUM. (7000-120 + 7000-122) Y-Direction	ALUM. (7000-124 + 7000-125) Y-Direction	ALUM. (7000-124 + 7000-125) X-Direction	ALUM. (7000-124 + 7000-125) Y-Direction	ALUM. (7000-124 + 7000-125) X-Direction	ALUM. (7000-124 + 7000-125) Y-Direction	
90° INSIDE OR OUTSIDE CORNER MULLION OPTIONS					REINFORCEMENT OPTIONS				
STRUCTURAL GLAZED CORNER MULLIONS	OUTSIDE CORNER MULLION W/O REINF.	INSIDE CORNER MULLION W/O REINF.	OUTSIDE CORNER MULLION W/O REINF.	INSIDE CORNER MULLION W/O REINF.	ST-1 (A50) 3/4" STEEL REINFORCEMENT	ST-2 (A36) 1/4" STEEL REINFORCEMENT	ST-4 (A50) 1/2" STEEL REINFORCEMENT	SPLICE AS-1 7000-143	
	ALUM. (7000-120 + 7000-122)	ALUM. (7000-124 + 7000-125)	ALUM. (7000-120 + 7000-122)	ALUM. (7000-124 + 7000-125)	ALUM. (7000-124 + 7000-125)	ALUM. (7000-124 + 7000-125)	ALUM. (7000-124 + 7000-125)	ALUM. (7000-124 + 7000-125)	

REVISES
NO. DATE DESCRIPTION
A 1/18/23 RENEWAL

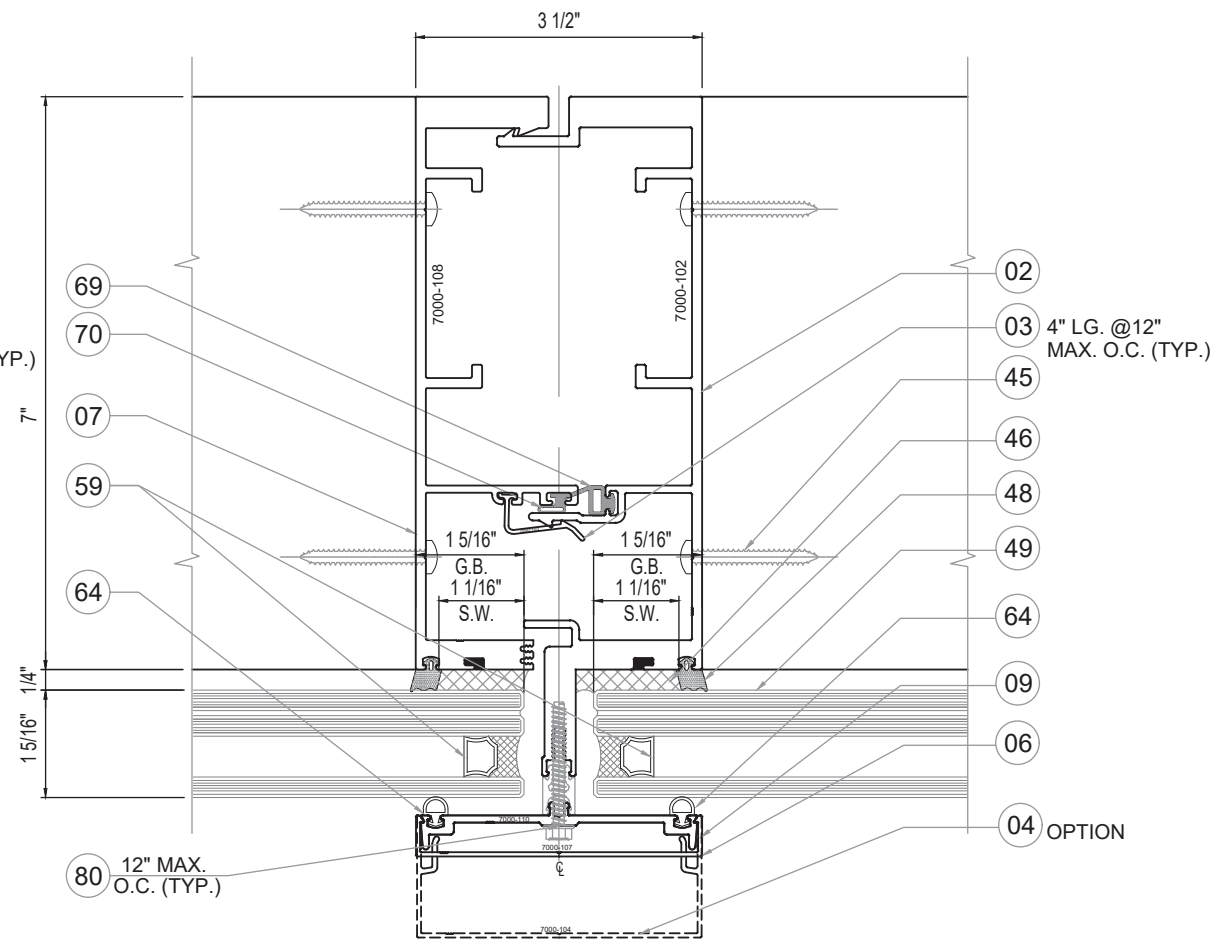
MCY
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027
P: 305.271.0117
F: 305.588.5224
www.MCYEngineering.com
MCY@mcyengineering.com

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI
TECNOGLASS, LLC.
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

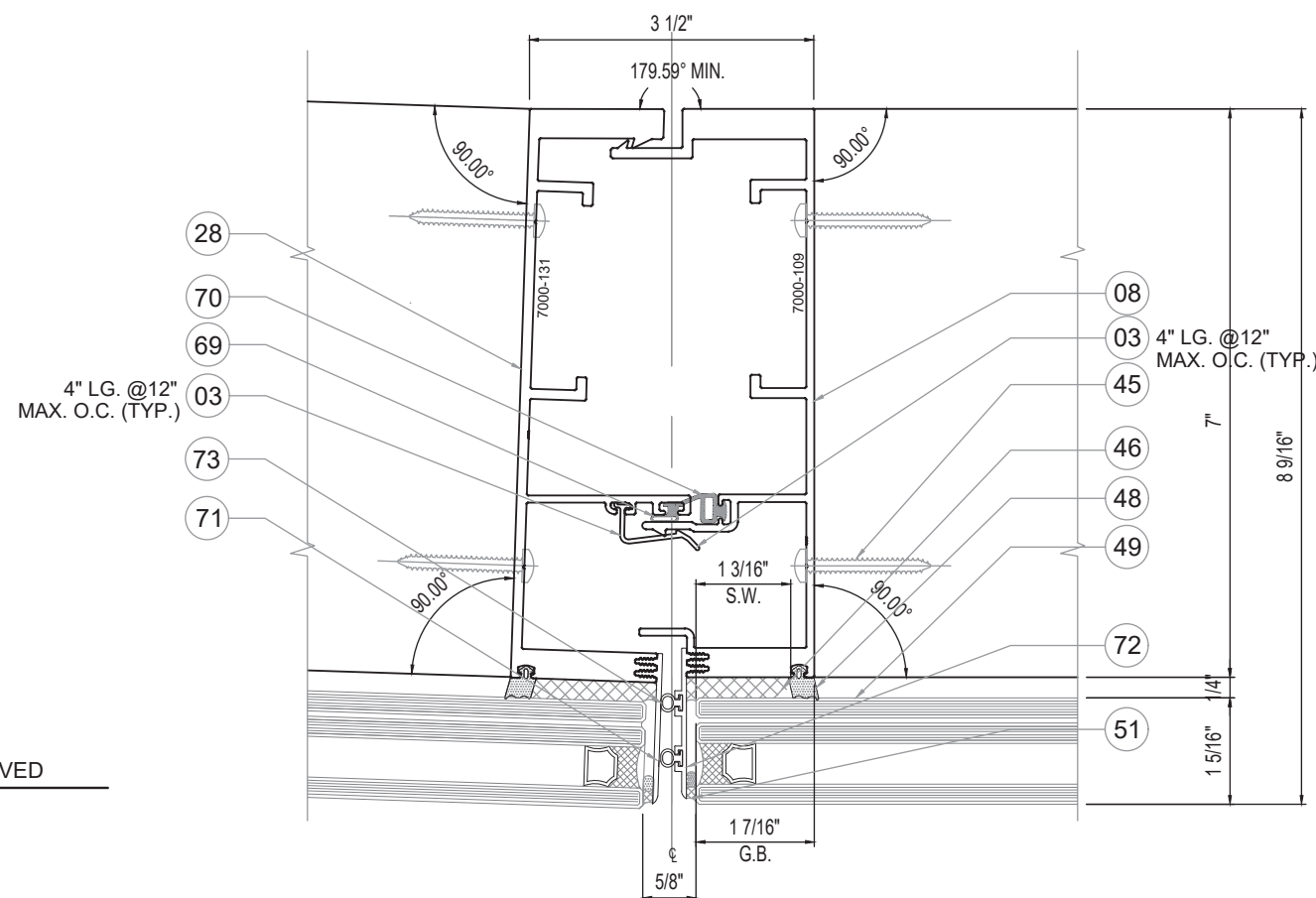
DATE 01/18/2023
SCALE AS NOTED
DRAWN A.R.
PROJECT MCY15-087
DRAWING NO. AD12-64
SHEET 08 OF 38



1
09 TYP. MULLION BUTT GLAZED
OPTION 1

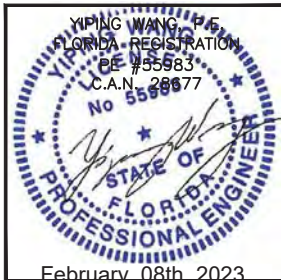


1
09 TYP. MULLION CAPTURED
OPTION 2



1
09 TYP. MULLION CURVED
OPTION 3

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control
MIAMI DADE COUNTY



DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087
DRAWING NO.	AD12-64
SHEET	09 OF 38

REVISIONS

NO.	DATE	DESCRIPTION
1	01/18/23	RENEWAL

MCY

ENGINEERING, INC.

GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301

MIRAMAR FL 33027

www.MCYEngineering.com

TECNOGLASS, LLC.

3550 NW 49TH STREET, MIAMI, FL 33142

Phone (305) 342-0890 Fax (786) 513-3965

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

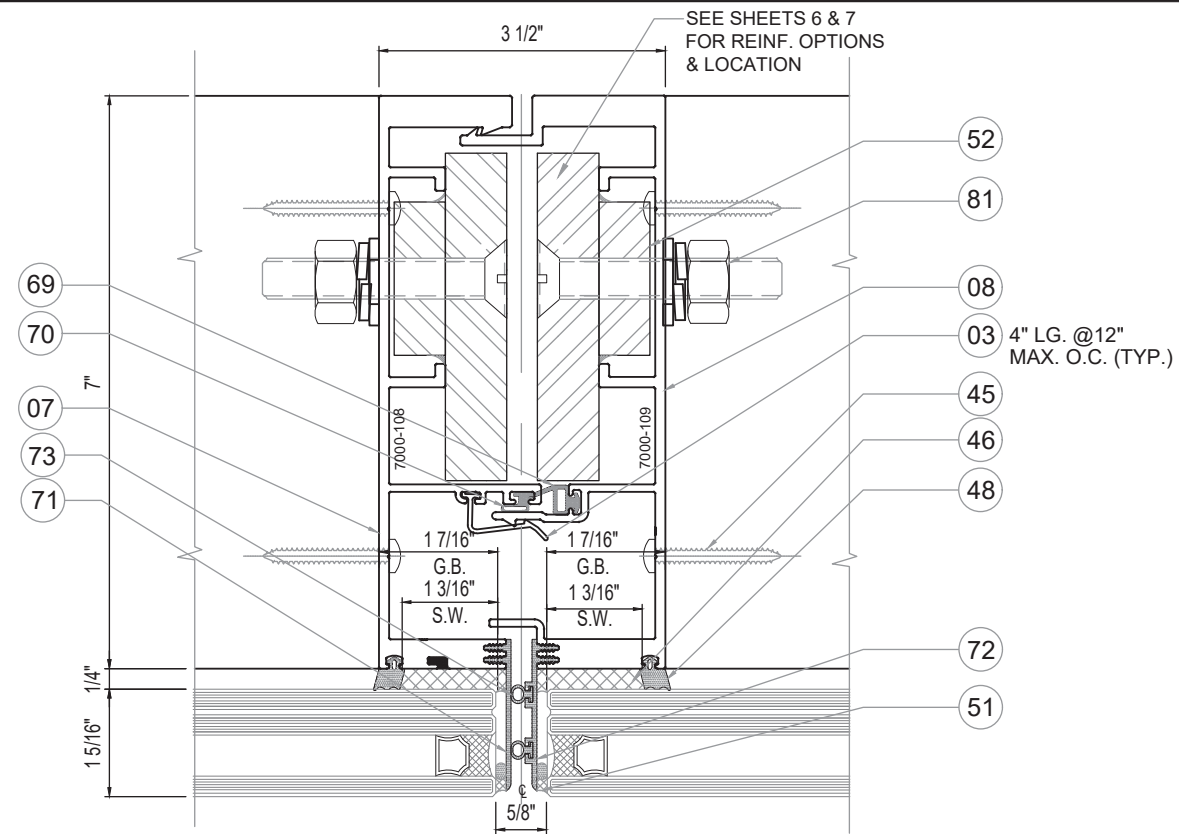
12781 MIRAMAR PARKWAY #301

MIRAMAR FL 33027

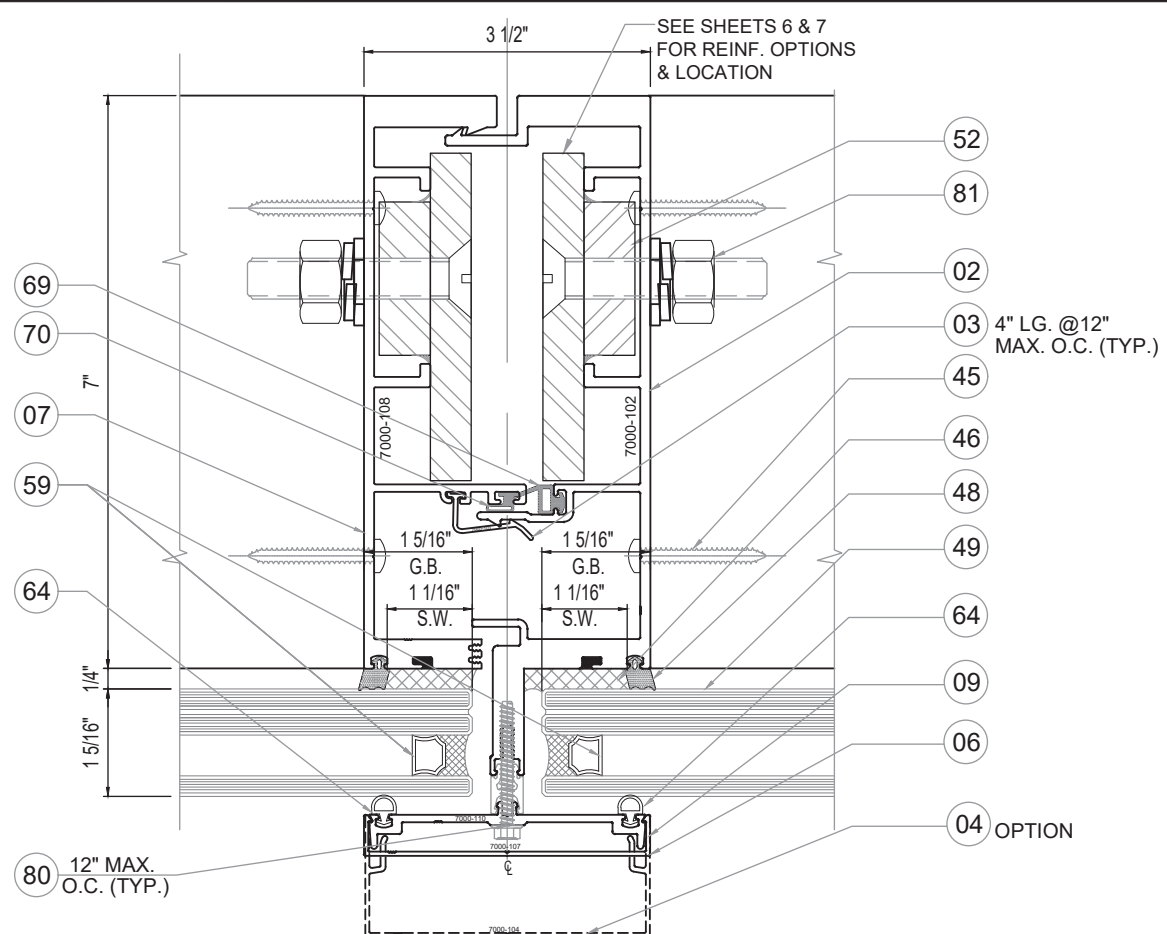
P: 305.271.0117

F: 305.588.5224

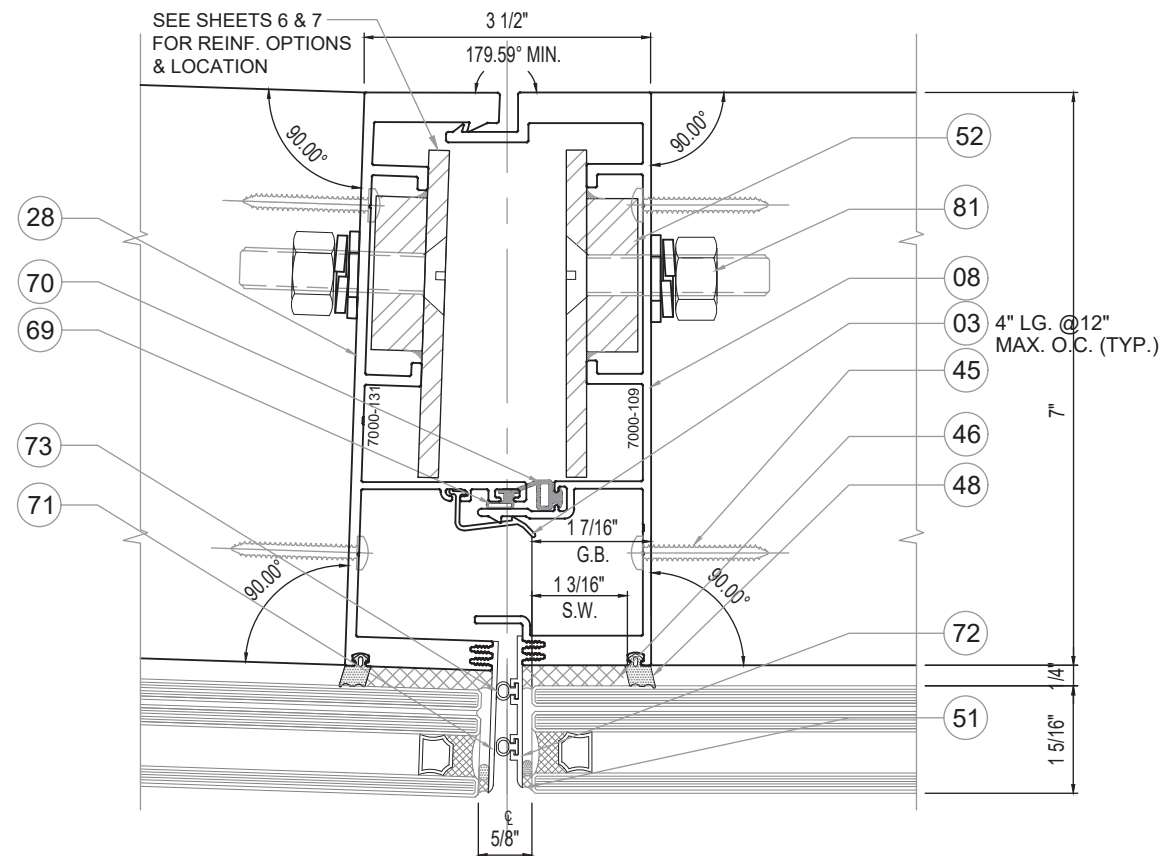
MCY@mcycengineering.com



2
10 TYP. MULLION BUTT GLAZED W/ REINF.
OPTION 1



2
10 TYP. MULLION CAPTURED W/ REINF.
OPTION 2

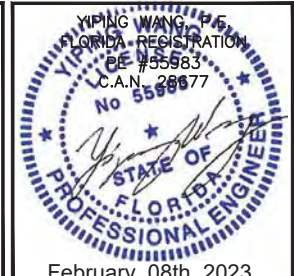


2
10 TYP. MULLION CURVED W/ REINF.
OPTION 3

NOTE:
REFER TO SHEETS 6 & 7 FOR TYP.
MULLION SPANS V.S. REINFORCEMENT
AND MAX. DESIGN LOAD.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control

MIAMI DADE COUNTY



DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087

DRAWING NO.
AD12-64

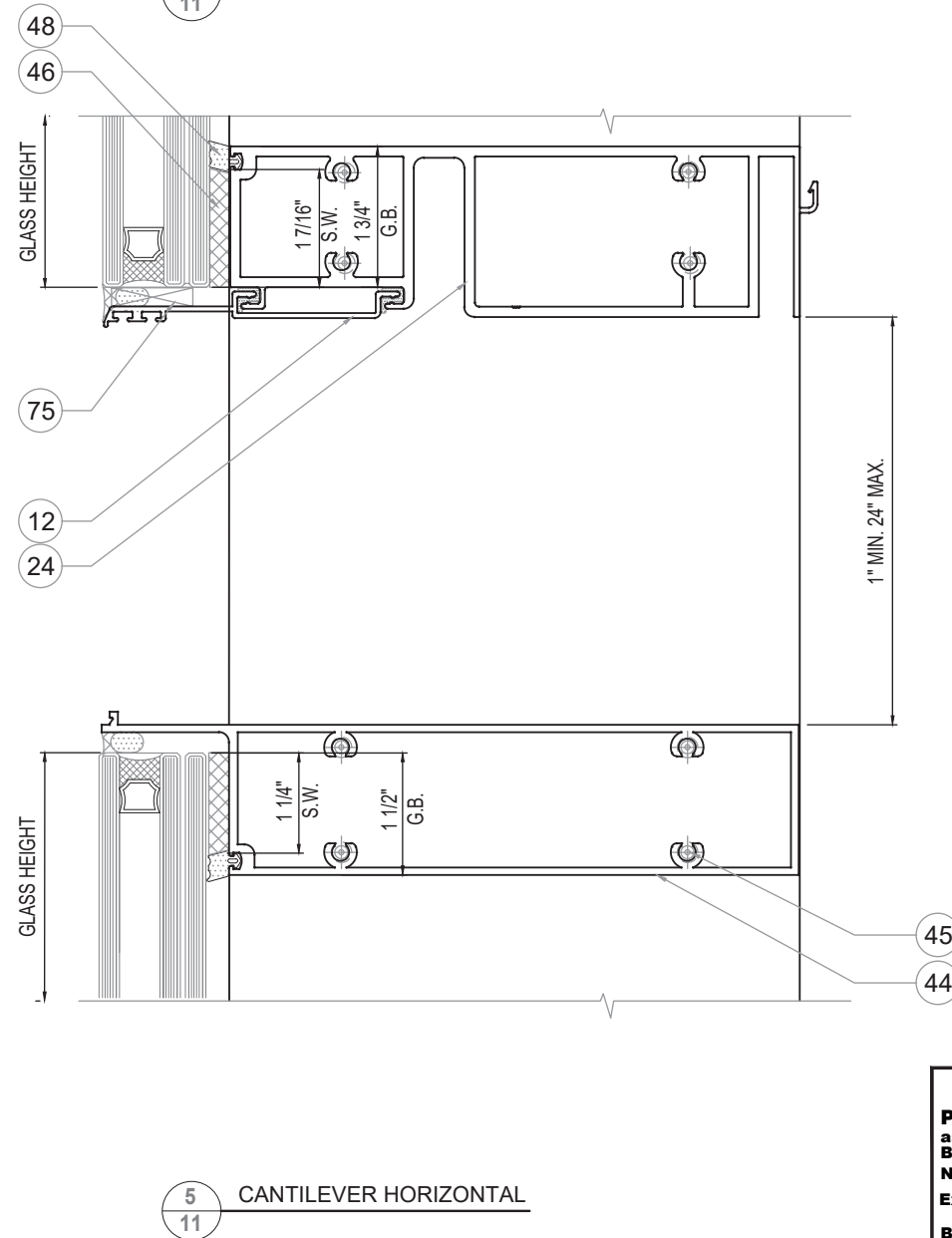
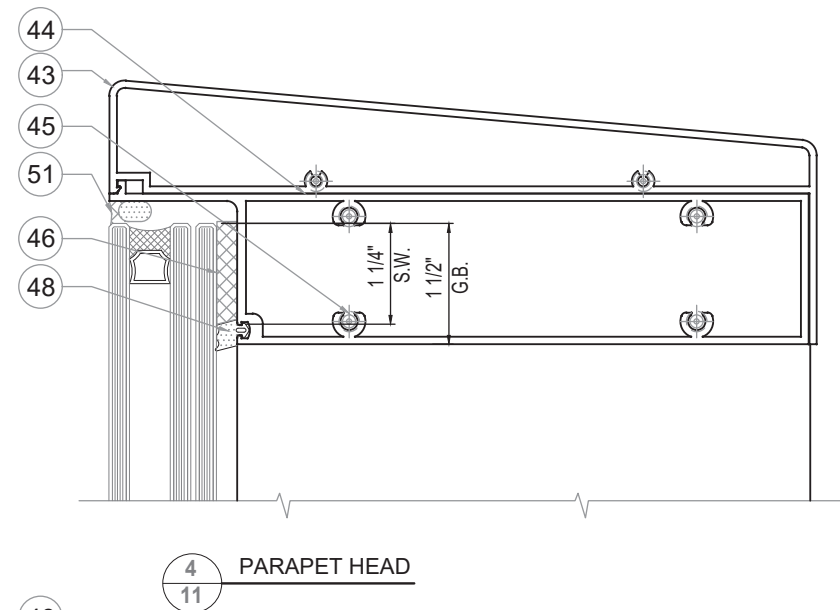
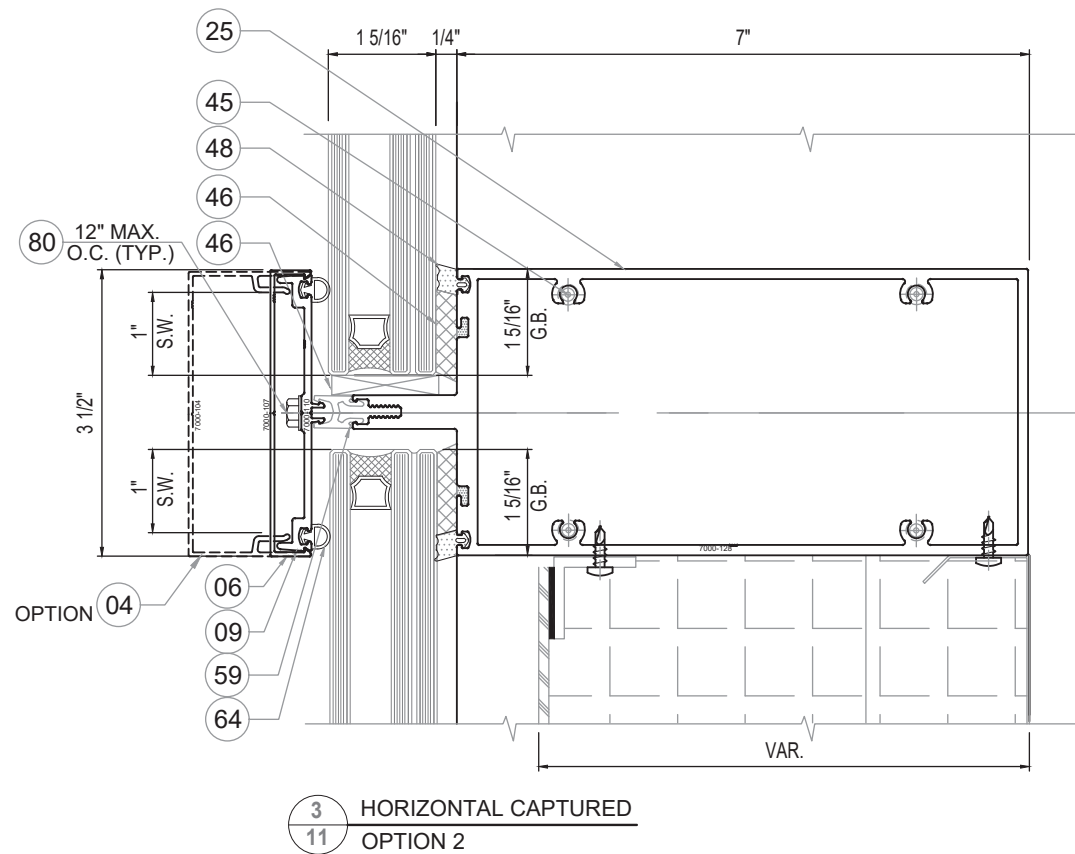
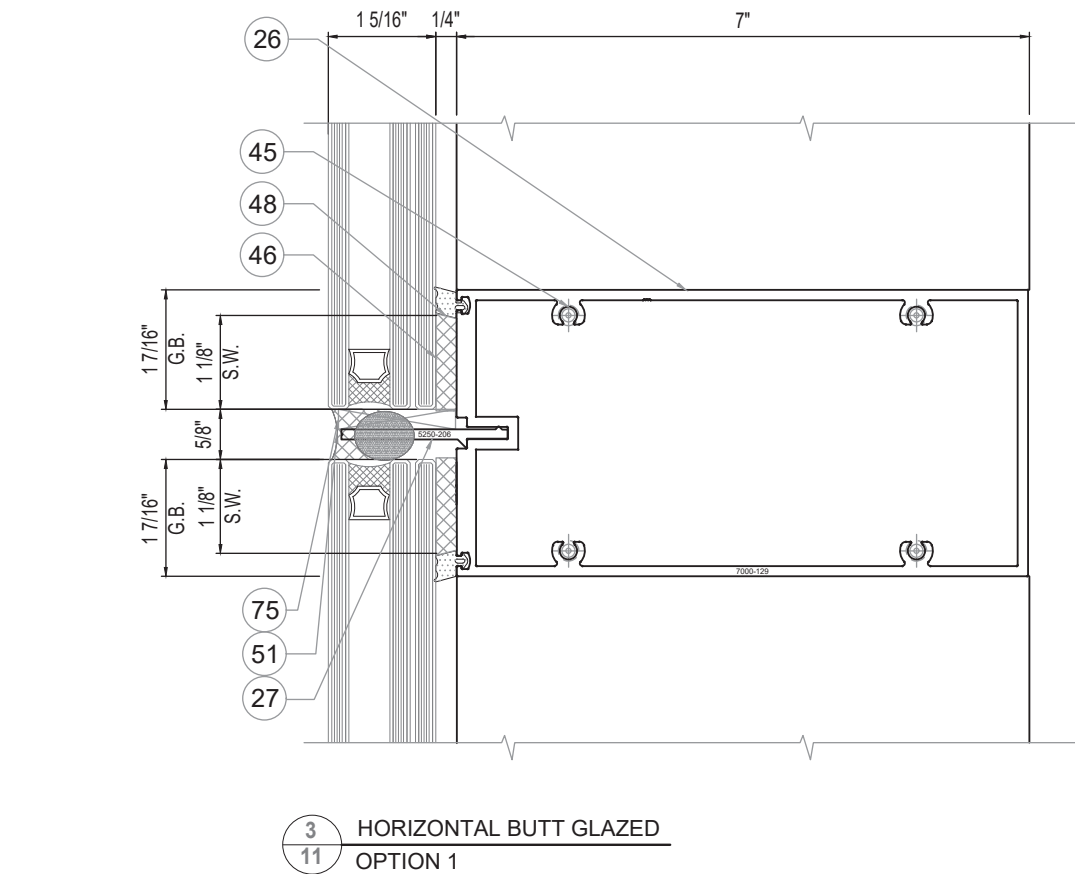
SHEET 10 OF 38

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI
TECNOGLASS, LLC.
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

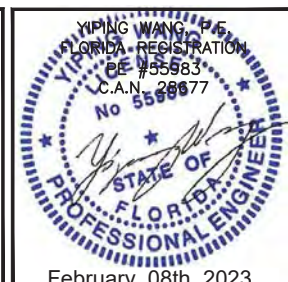
MCY
12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224
www.MCYEngineering.com MCY@mcycengineering.com

NO.	DATE	DESCRIPTION
1	01/18/23	RENEWAL



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control

MIAMI DADE COUNTY



DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087
DRAWING NO.	AD12-64
SHEET	11 OF 38

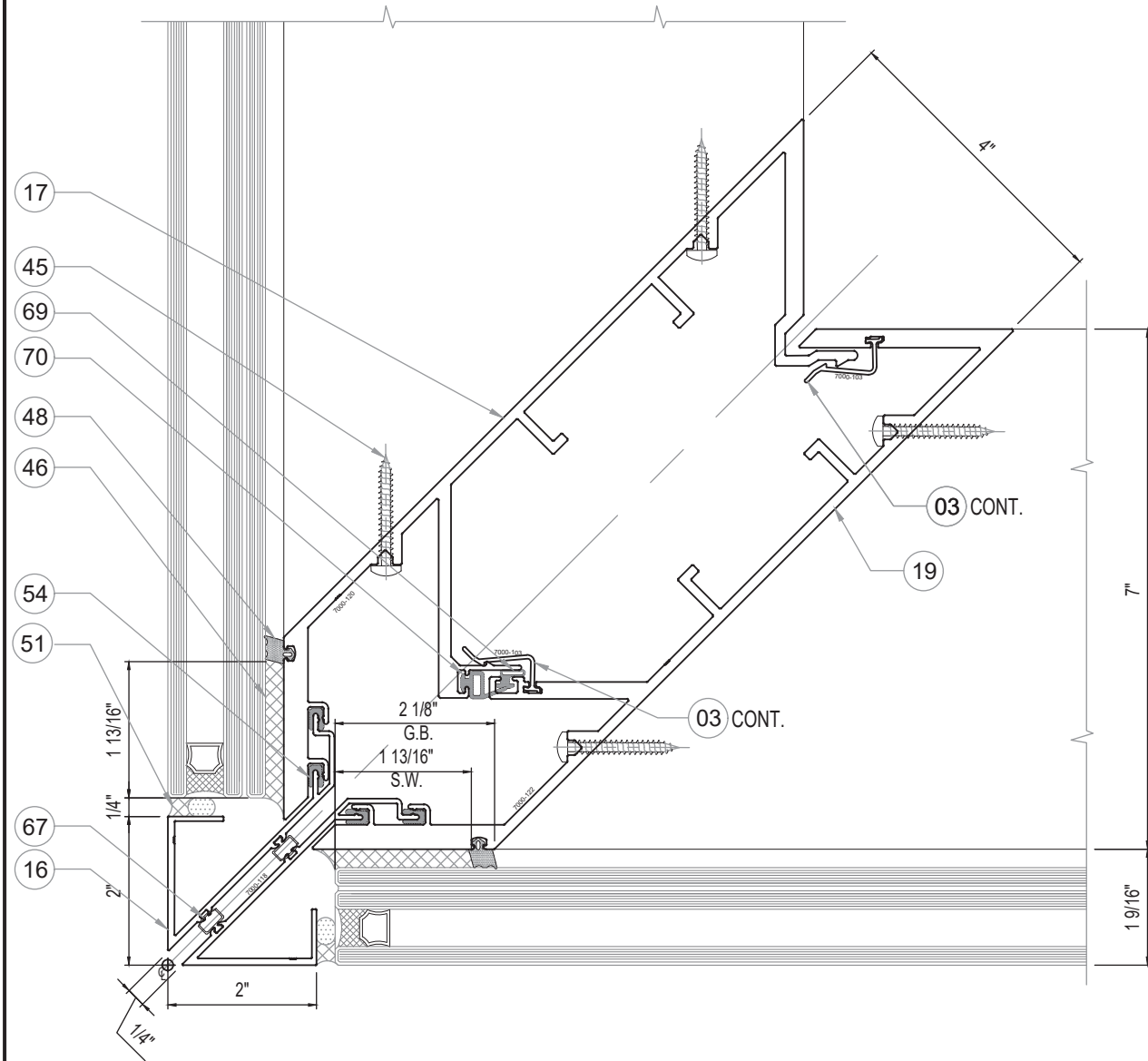
SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

TECNOGLASS, LLC.
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

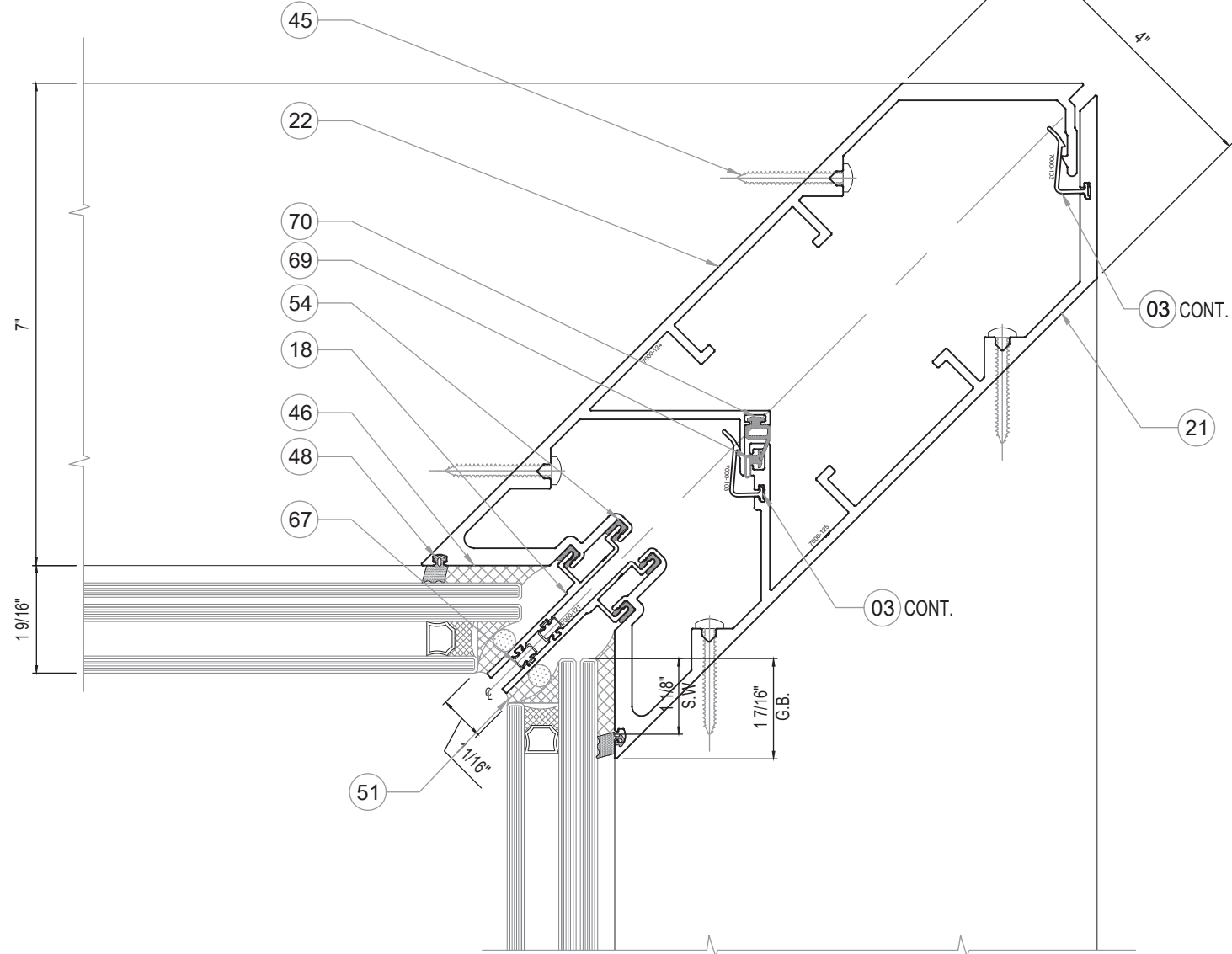
12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224
www.MCYEngineering.com MCY@mcycengineering.com

NO.	DATE	DESCRIPTION
1	01/18/23	RENEWAL



6
12

OUTSIDE CORNER MULLION



6A
12

INSIDE CORNER MULLION

NOTE:
REFER TO SHEETS 6 & 7 FOR TYP.
CORNER MULLION SPANS, REINF.
AND DESIGN LOAD REQUIRED

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control

MIAMI DADE COUNTY



DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087

DRAWING NO.
AD12-64

SHEET 12 OF 38

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

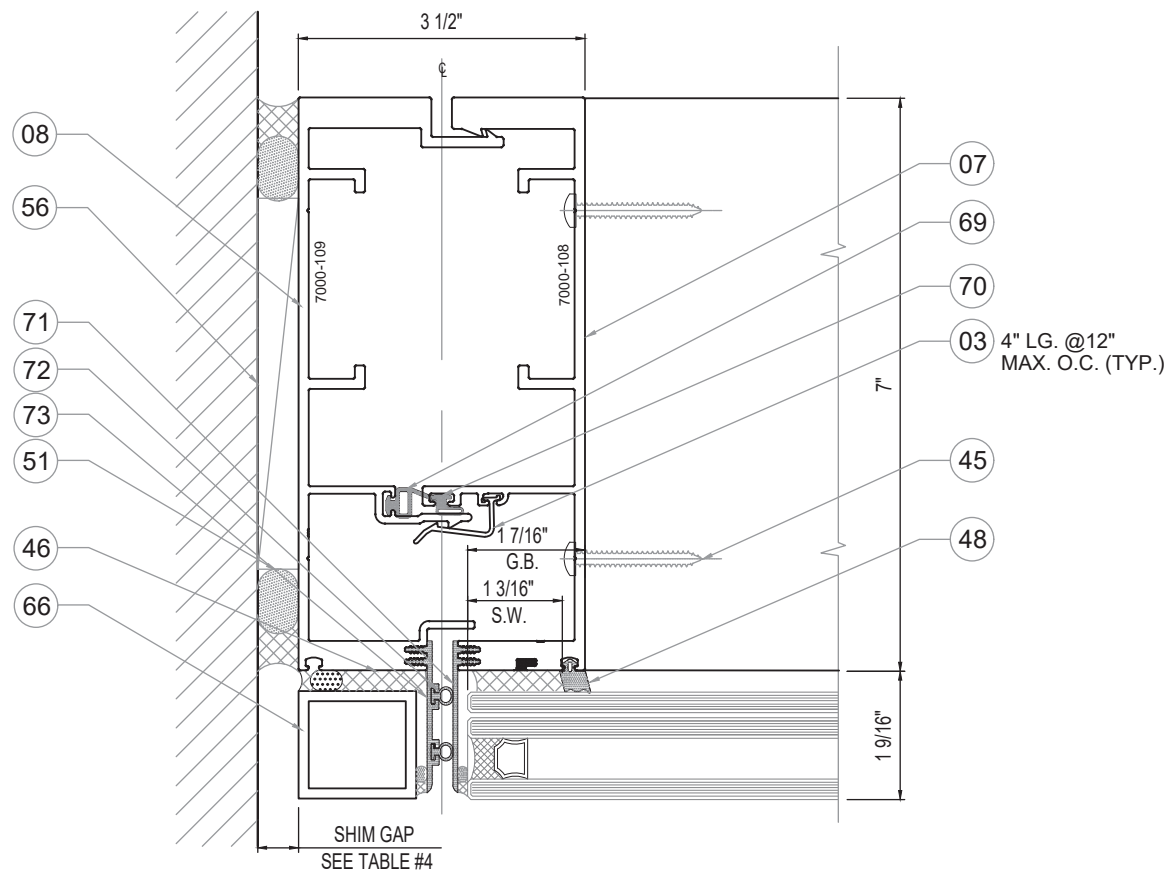
12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224
www.MCYEngineering.com MCY@mcycengineering.com

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

TECNOGLASS, LLC.

3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

NO.	DATE	DESCRIPTION
A	1/18/23	RENEWAL

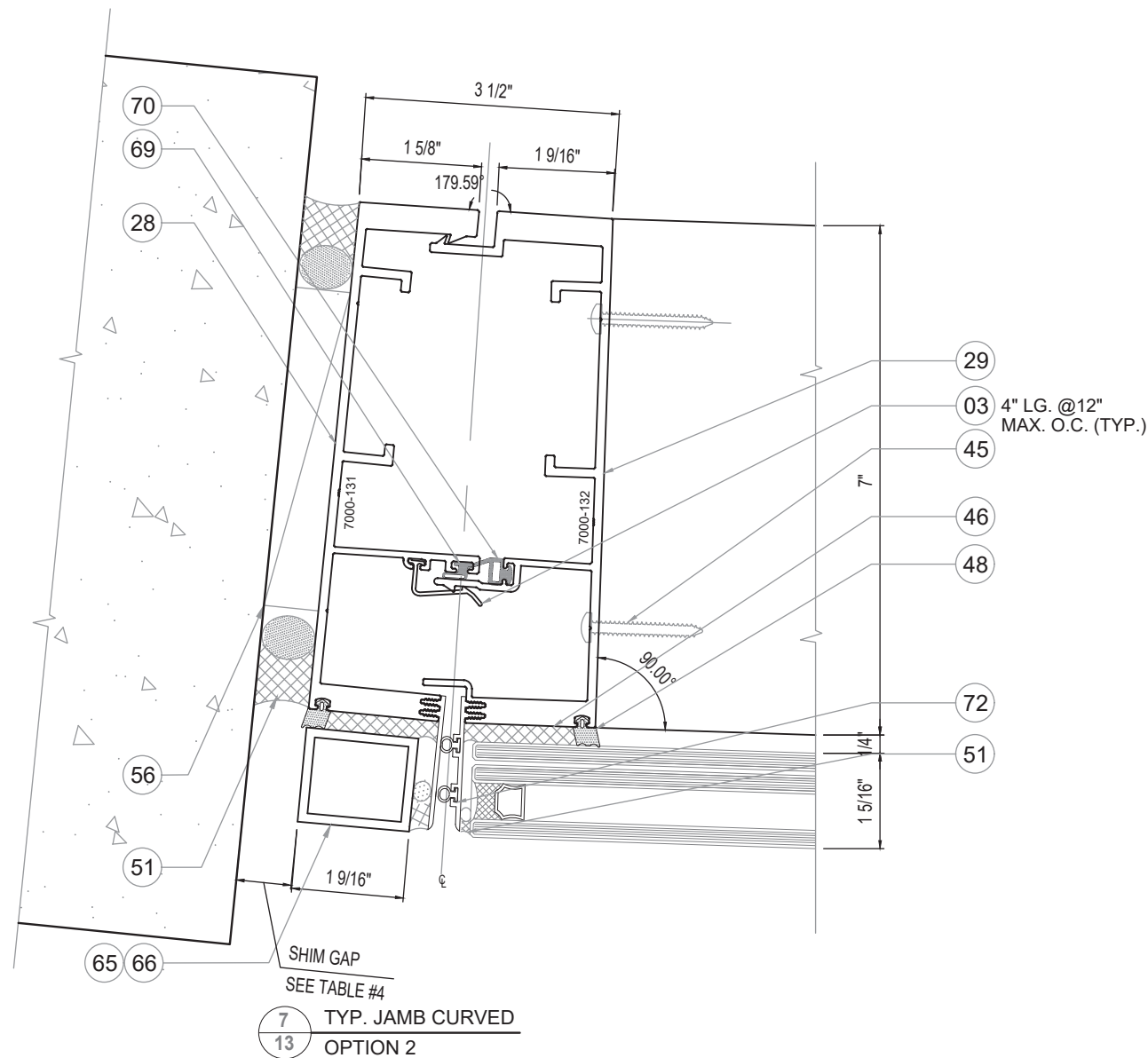


7 TYP. JAMB BUTT GLAZED
13 OPTION 1

TABLE #4: MIN/MAX SHIM GAP

JAMB SPAN*	MIN. GAP	MAX. GAP
≤ 120"	0.38"	0.75"
132"	0.42"	0.75"
144"	0.46"	0.75"
156"	0.5"	0.75"
168"	0.54"	0.75"
180"	0.58"	0.75"
192"	0.62"	0.75"
204"	0.65"	0.75"
208"	0.67"	0.75"

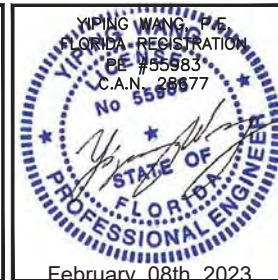
*JAMB SPAN: - ANCHOR C TO C



7 TYP. JAMB CURVED
13 OPTION 2

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control

MIAMI DADE COUNTY



DATE 01/18/2023
SCALE AS NOTED
DRAWN A.R.
PROJECT MCY15-087

DRAWING NO.
AD12-64

SHEET 13 OF 38

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

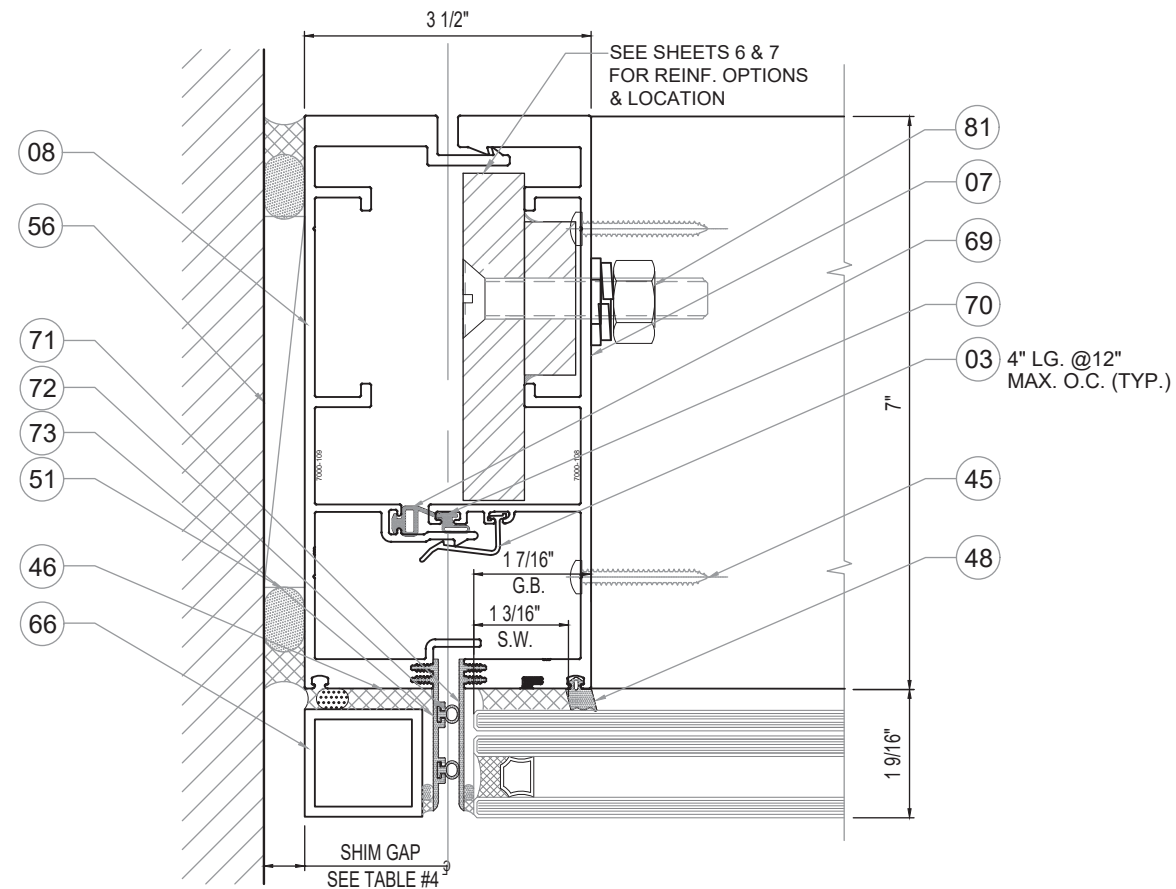
12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224
www.MCYEngineering.com MCY@mcyengineering.com

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

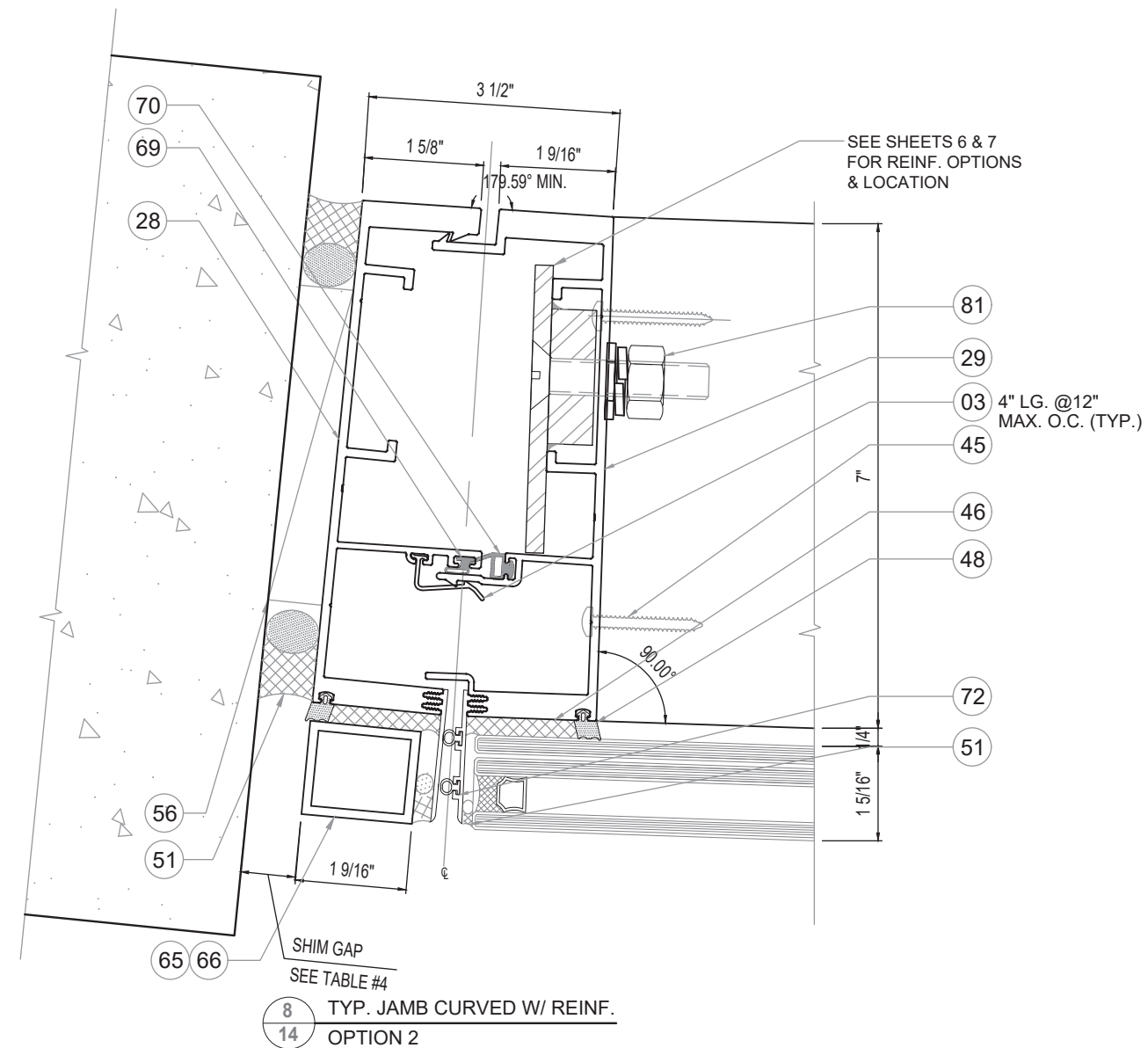
TECNOGLASS, LLC.

3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

NO.	DATE	DESCRIPTION
1	01/18/23	RENEWAL



8 TYP. JAMB BUTT GLAZED W/ REINF.
14 OPTION 1



8 TYP. JAMB CURVED W/ REINF.
14 OPTION 2

NOTE:
REFER TO SHEETS 6 & 7 FOR TYP.
JAMB SPANS, REINFORCEMENT
AND DESIGN LOAD REQUIRED

TABLE #4: MIN/MAX SHIM GAP

JAMB SPAN*	MIN. GAP	MAX. GAP
≤ 120"	0.38"	0.75"
132"	0.42"	0.75"
144"	0.46"	0.75"
156"	0.5"	0.75"
168"	0.54"	0.75"
180"	0.58"	0.75"
192"	0.62"	0.75"
204"	0.65"	0.75"
208"	0.67"	0.75"

*JAMB SPAN: - ANCHOR C_L TO C_L

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control

MIAMI DADE COUNTY

YIPING WANG, P.E.
FLORIDA REGISTRATION
No. 935583
C.A.N. 28677

February 08th, 2023

DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087
DRAWING NO.	AD12-64
SHEET	14 OF 38

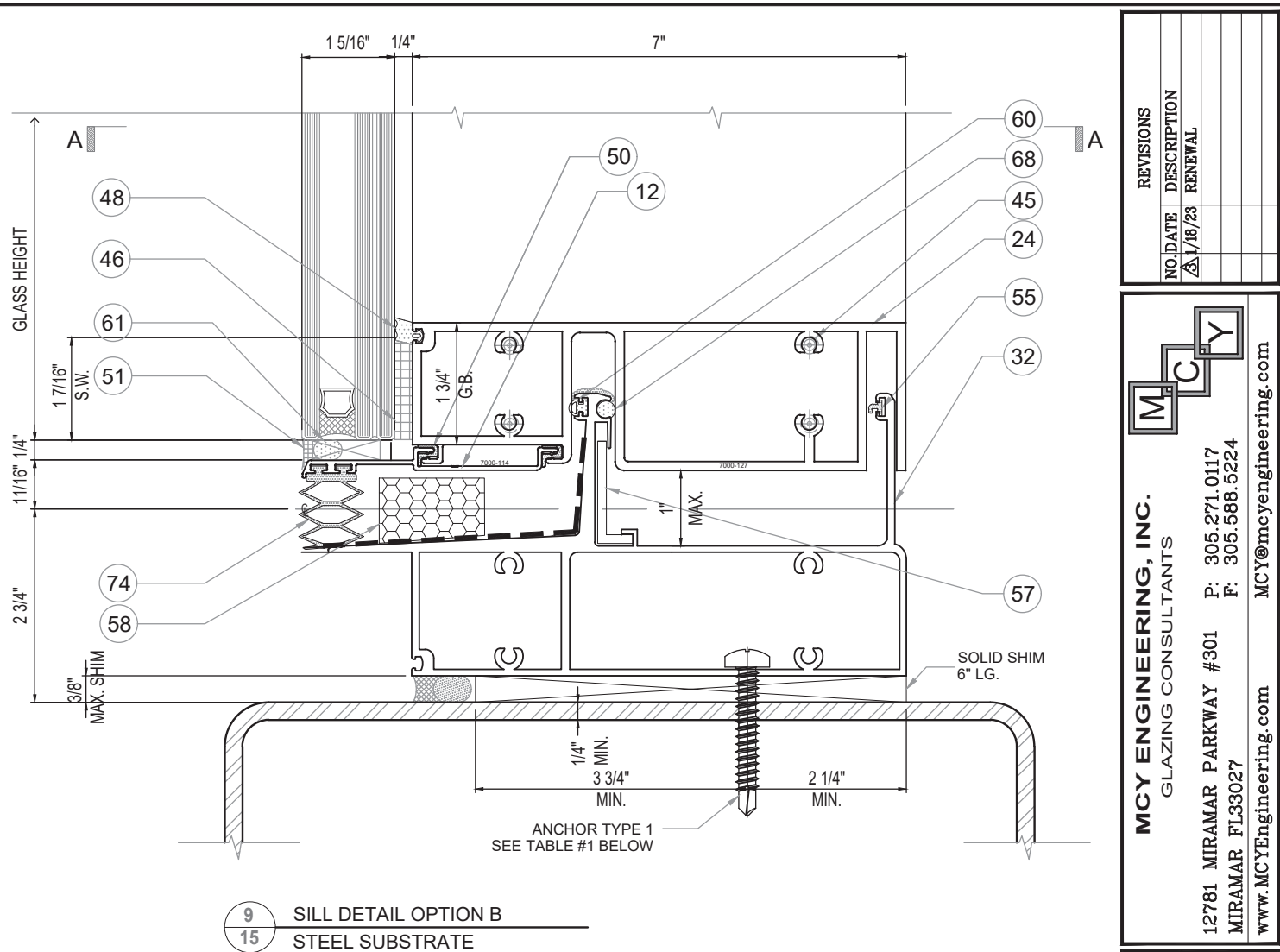
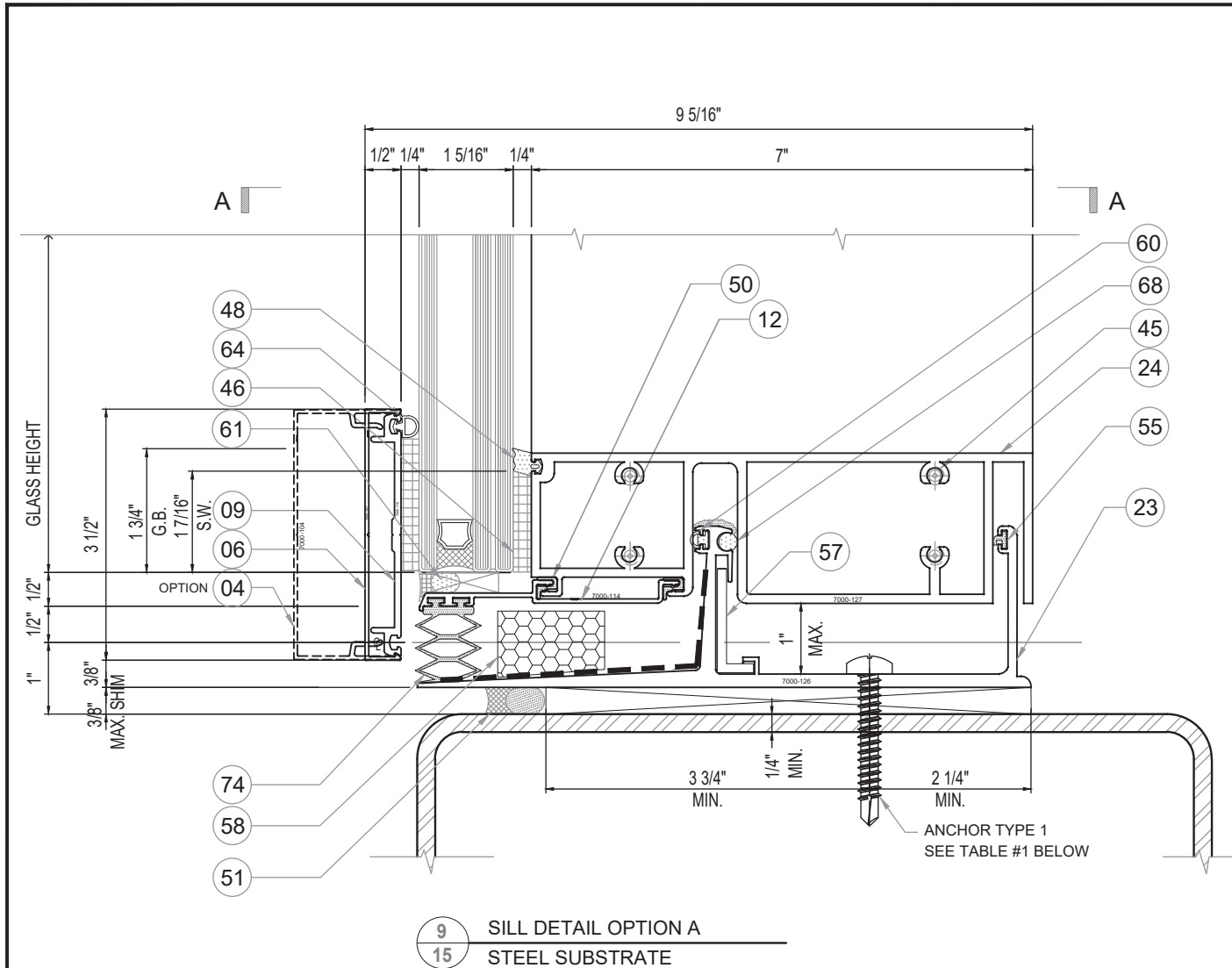
MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224
www.MCYEngineering.com MCY@mcyeengineering.com

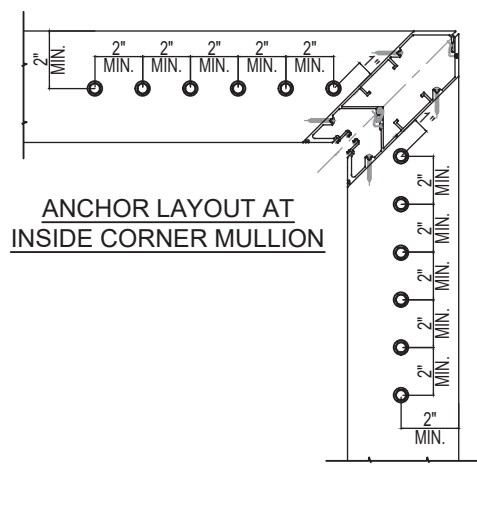
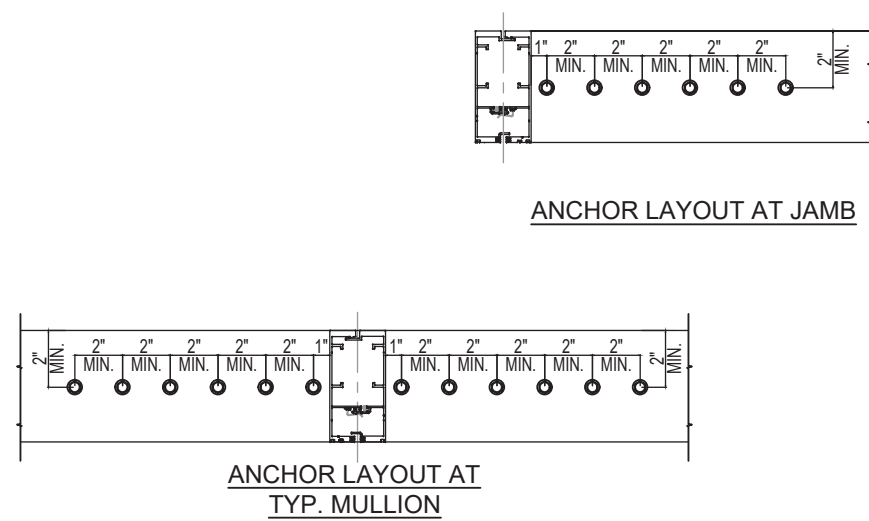
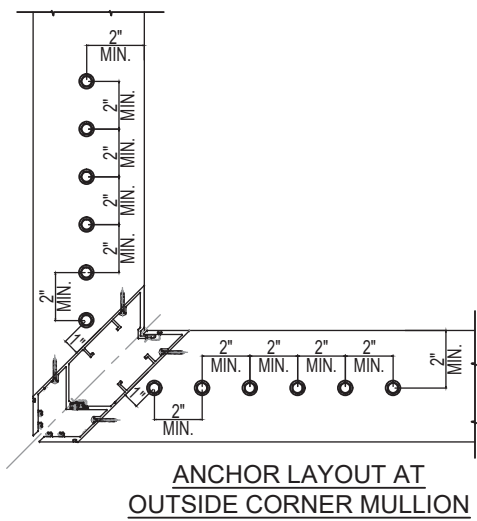
SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

TECNOGLASS, LLC.
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

REVISIONS	NO.	DATE	DESCRIPTION
	1	01/18/23	RENEWAL



	SPAN (in)	MAX. DESIGN LOAD (PSF)				
		MULLION SPACING (M.S.)				
		36 (in)	42 (in)	48 (in)	54 (in)	60 (in)
AO#1	120	140	140	140	140	140
	126	140	140	140	140	140
	132	140	140	140	140	140
	138	140	140	140	140	140
	144	140	140	140	140	140
AO#2	120	140	140	140	140	140
	126	140	140	140	140	133
	132	140	140	140	140	127
	138	140	140	140	135	122
	144	140	140	140	130	117
AO#3	120	140	140	140	124	112
	126	140	140	133	119	107
	132	140	140	127	113	102
	138	140	139	122	108	97
	144	140	133	117	104	93



ANCHOR TYPE 1 : 5/16" SELF DRILLING SCREWS
(GRADE 5 Fu=120ksi Fy=92ksi)
INTO METAL STRUCTURES

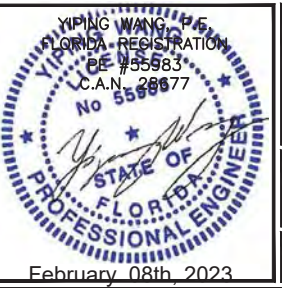
STEEL : 1/4" MIN. THICKNESS (Fy = 36 ksi MIN.)
(STEEL IN CONTACT WITH ALUMINUM
TO BE PLATED OR PAINTED)

TABLE #1: NO. OF ANCHOR TYPE 1-SILL ANCHOR.

ANCHOR OPTIONS (Rmax. LBS)	OPTION A	OPTION B
	NO. OF ANCHORS @EA.SIDE OF MULL.	NO. OF ANCHORS @EA.SIDE OF MULL.
	ANCHOR TYPE 1	ANCHOR TYPE 1
AO#1 (4200)	6	6
AO#2 (3500)	5	5
AO#3 (2800)	4	4

FOR AO#1, AO#2 & AO#3 ANCHOR CAPACITY VS. SPAN
AND MULLION SPACING SEE CHART ON THE LEFT.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control



REVISIONS

NO.	DATE	DESCRIPTION
A	1/18/23	RENEWAL

MCY

ENGINEERING, INC.

GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301
MIRAMAR FL 33027
P: 305.271.0117
F: 305.588.5224
www.MCYEngineering.com
MCY@mcyengineering.com

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

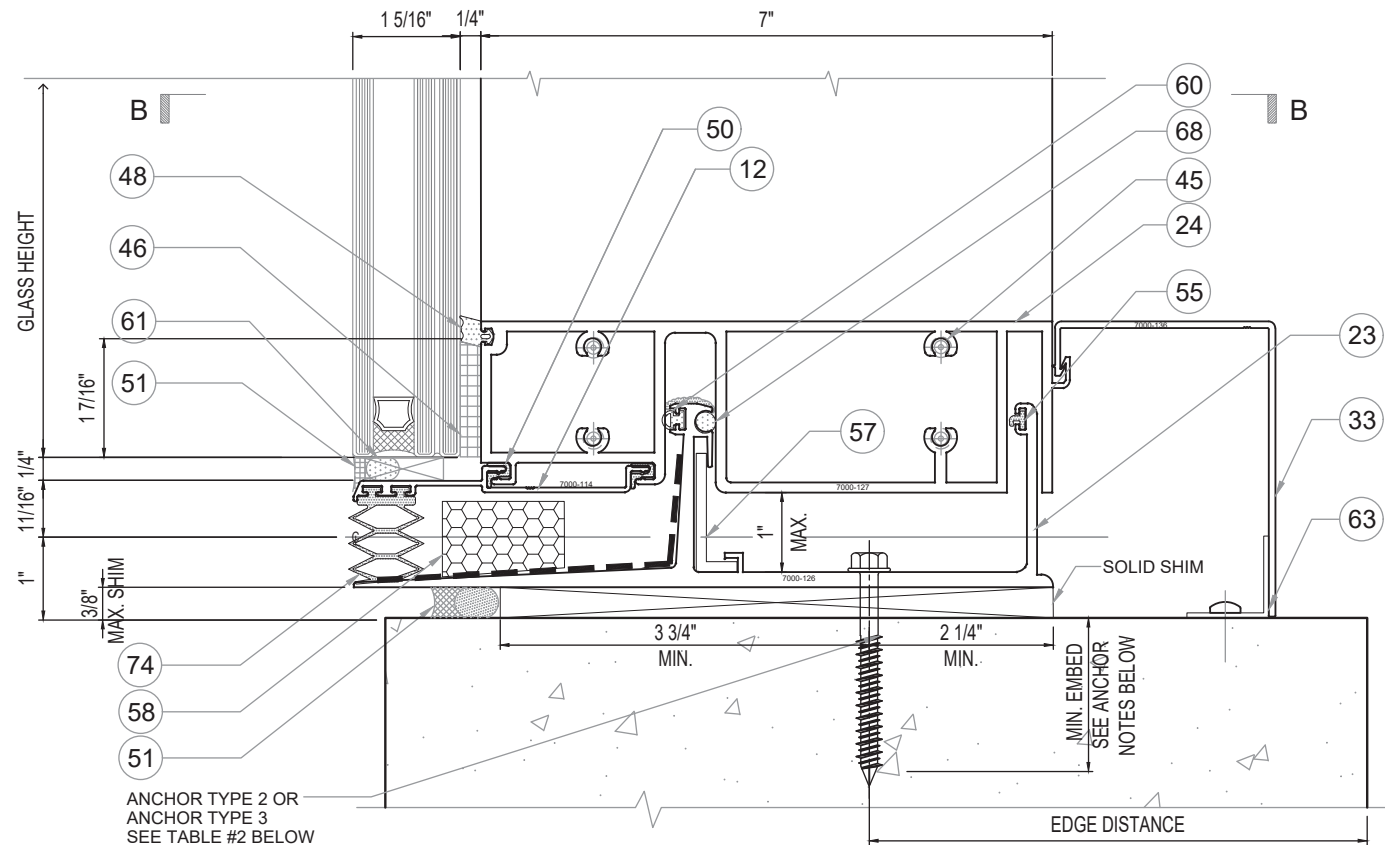
TECNOGLASS, LLC.

3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

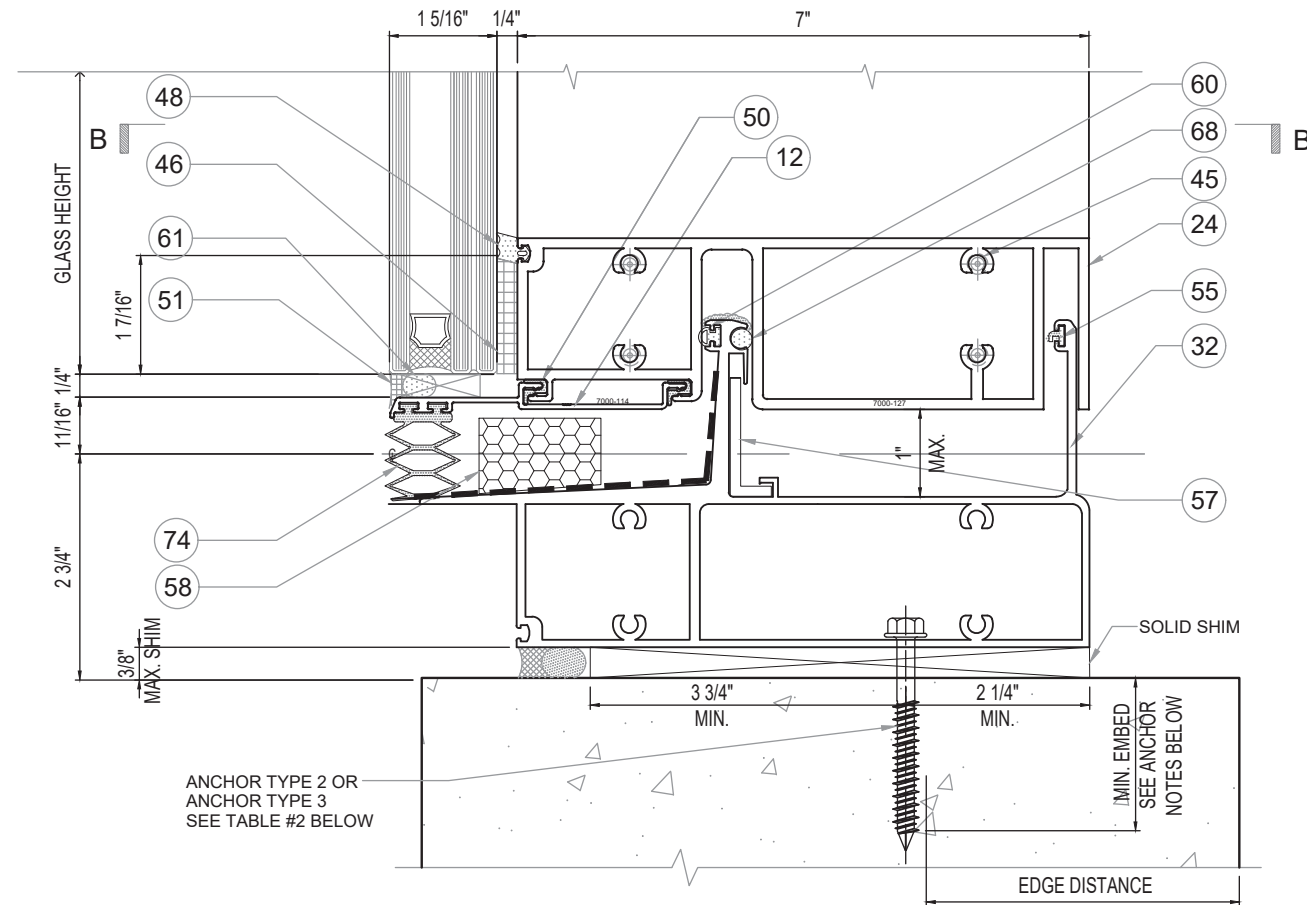
DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087

DRAWING NO. AD12-64

SHEET 15 OF 38

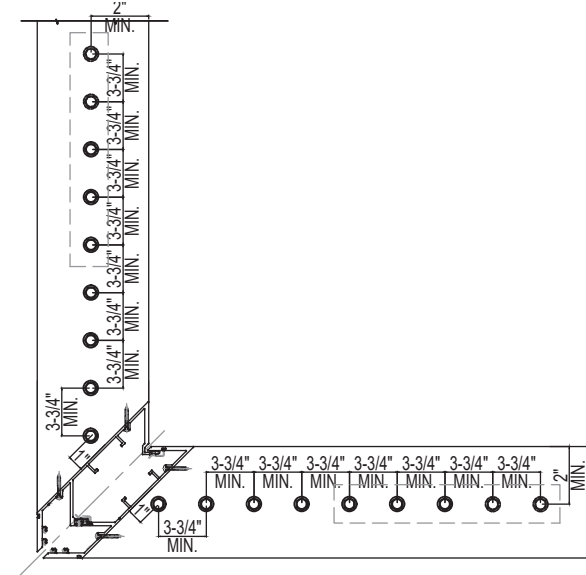


10 SILL DETAIL OPTION C
16 CONCRETE SUBSTRATE



10 SILL DETAIL OPTION D
16 CONC. SUBSTRATE

MAX. DESIGN LOAD (PSF)						
	SPAN	MULLION SPACING (M.S.)				
	(in)	36 (in)	42 (in)	48 (in)	54 (in)	60 (in)
AO#1	120	140	140	140	140	140
	126	140	140	140	140	140
	132	140	140	140	140	140
	138	140	140	140	140	140
	144	140	140	140	140	140
AO#2	120	140	140	140	140	140
	126	140	140	140	140	133
	132	140	140	140	140	127
	138	140	140	140	135	122
	144	140	140	140	130	117
AO#3	120	140	140	140	124	112
	126	140	140	133	119	107
	132	140	140	127	113	102
	138	140	139	122	108	97
	144	140	133	117	104	93
AO#4	120	140	131	115	102	92
	126	140	125	110	97	88
	132	139	119	105	93	84
	138	133	114	100	89	80
	144	128	110	96	85	77



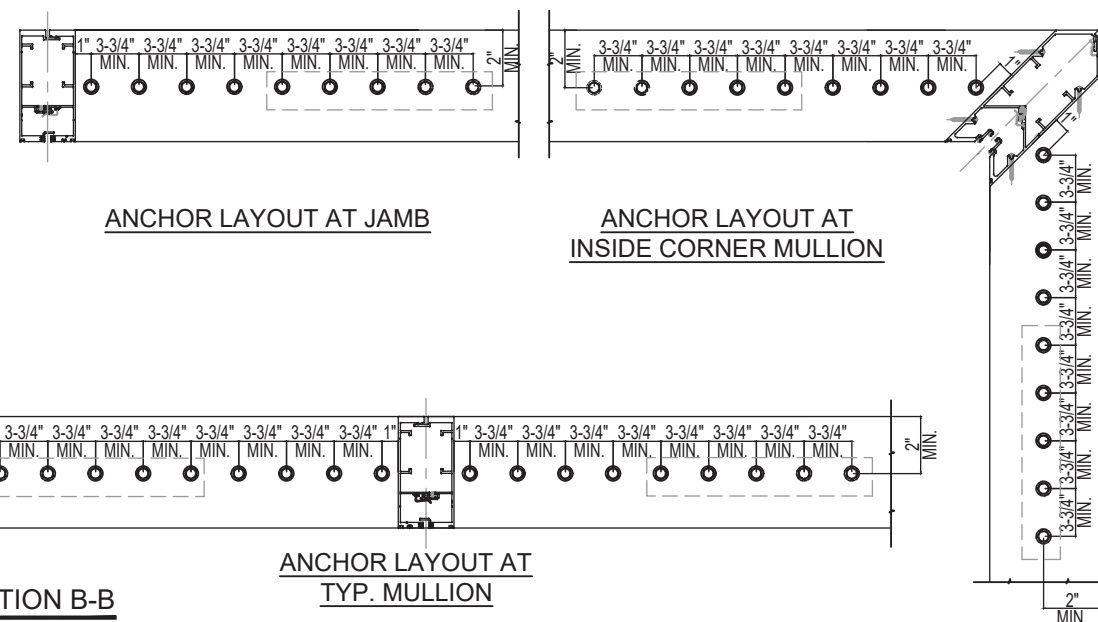
ANCHOR LAYOUT AT
OUTSIDE CORNER MULLION

ANCHOR TYPE 2: 5/16" DIA. ULTRACON BY ELCO
(Fu=177ksi Fy=155ksi)

DIRECTLY INTO CONCRETE $f_c' = 3515$ psi MIN.
1-3/4" MIN. EMBED INTO CONCRETE
2-3/16" MIN EDGE DISTANCE

ANCHOR TYPE 3: 3/8" DIA. WEDGE BOLT BY POWER
(Fu=100ksi Fy=65ksi)

DIRECTLY INTO CONCRETE $f_c' = 4000$ psi MIN.
1-3/4" MIN. EMBED INTO CONCRETE
3" MIN EDGE DISTANCE



ANCHOR LAYOUT AT JAMB

ANCHOR LAYOUT AT
INSIDE CORNER MULLION

SECTION B-B

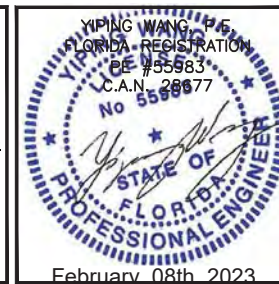
TABLE #2: NO. OF ANCHORS TYPE 2 OR 3 - SILL ANCHOR.

ANCHOR OPTIONS (Rmax. LBS)	OPTION C		OPTION D	
	NO. OF ANCHORS @EA.SIDE OF MULL.		NO. OF ANCHORS @EA.SIDE OF MULL.	
	ANCHOR TYPE 2	ANCHOR TYPE 3	ANCHOR TYPE 2	ANCHOR TYPE 3
AO#1 (4200)	7	7	9	8
AO#2 (3500)	6	5	8	6
AO#3 (2800)	5	4	6	5
AO#4 (2300)	4	4	5	4

FOR AO#1, AO#2, AO#3 & AO#4 ANCHOR CAPACITY
VS. SPAN AND MULLION SPACING SEE CHART ON THE LEFT.

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control

MIAMI DADE COUNTY



DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087

DRAWING NO.
AD12-64

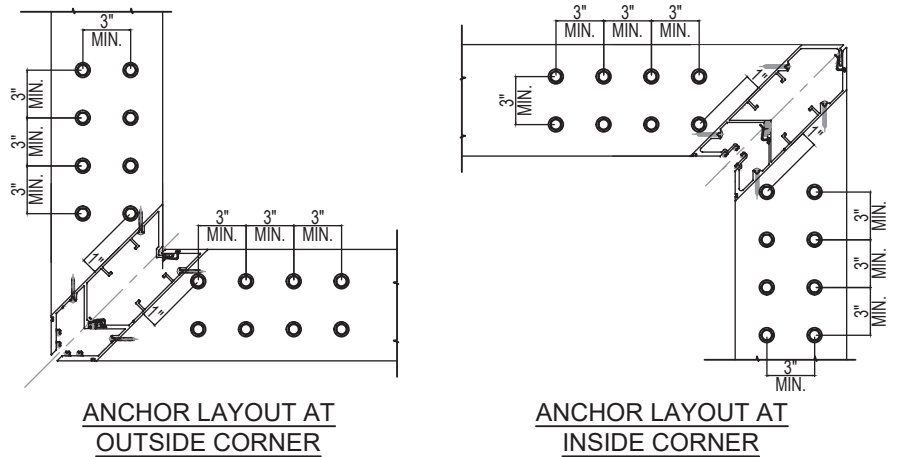
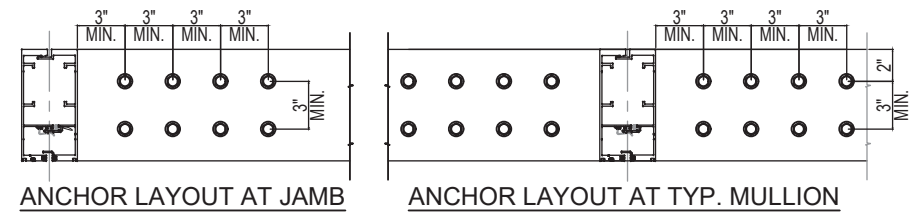
SHEET 16 OF 38

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI
TECNOGLASS, LLC.
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

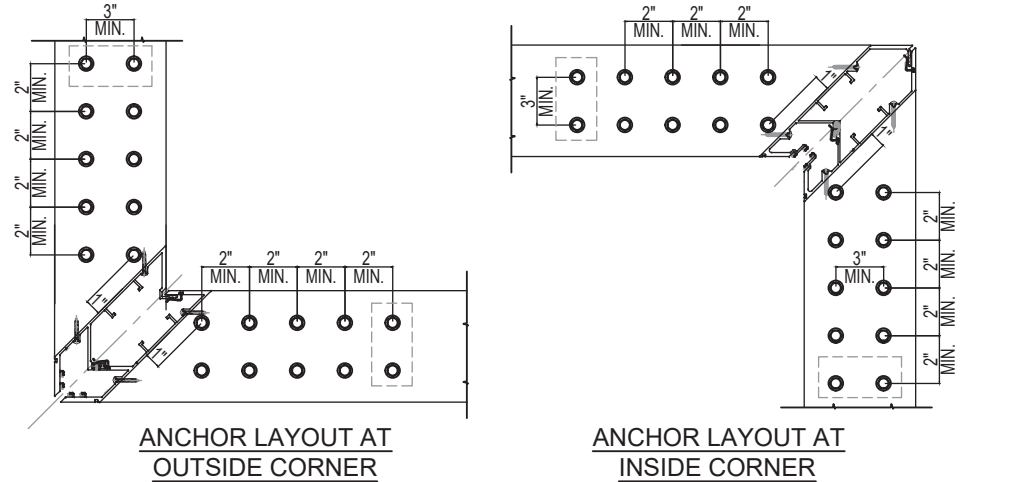
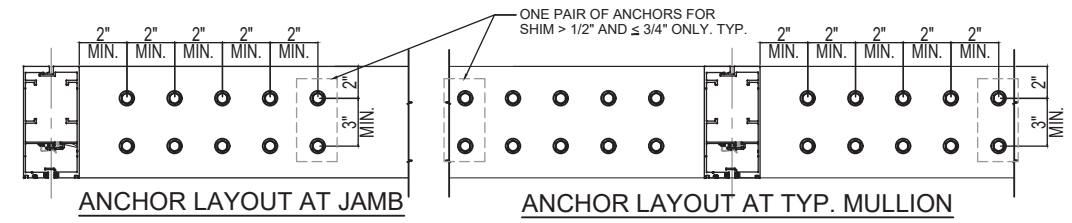
MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224
www.MCYEngineering.com MCY@mcyengineering.com

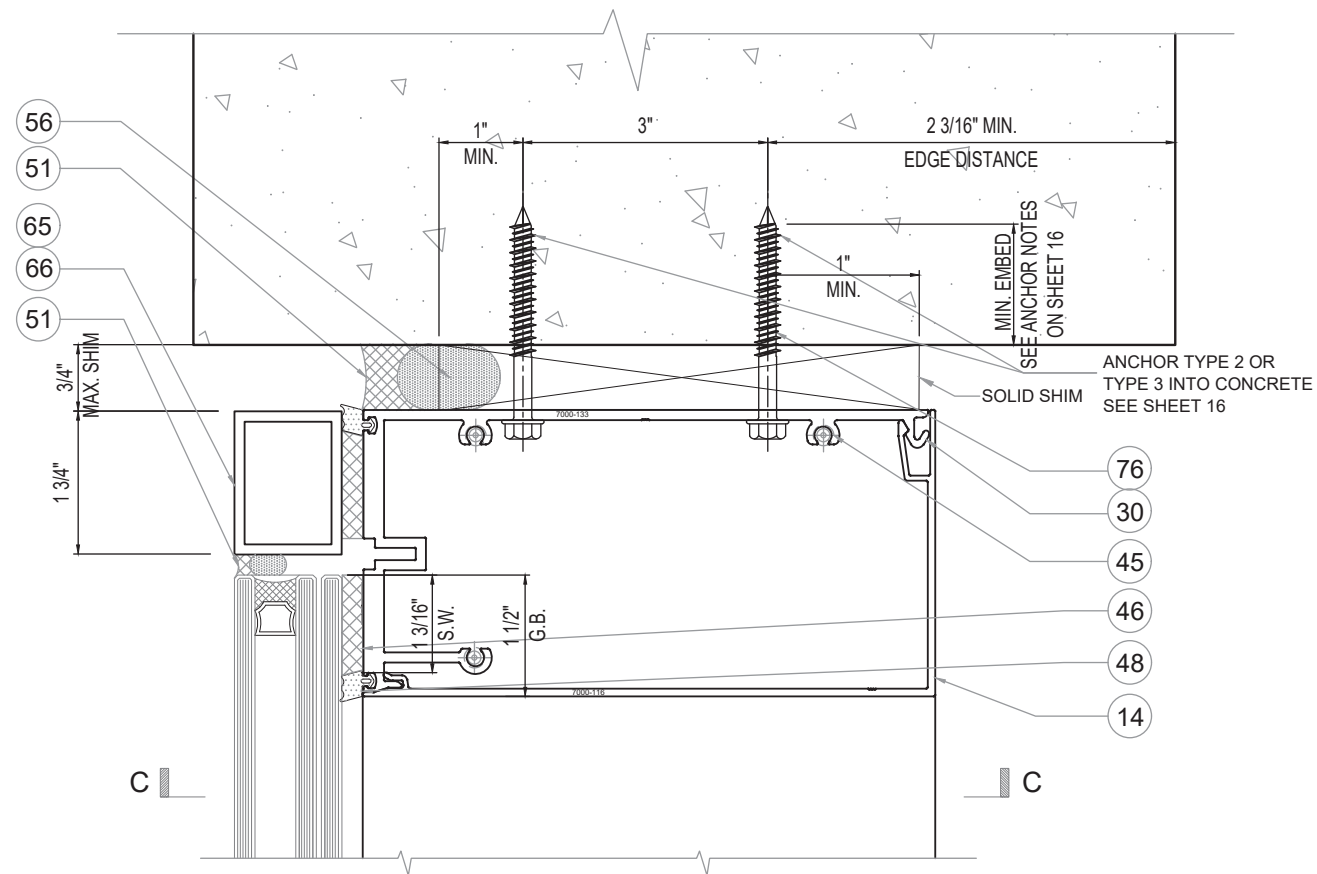
REVISIONS	NO.	DATE	DESCRIPTION
	A	1/18/23	RENEWAL



SECTION C-C

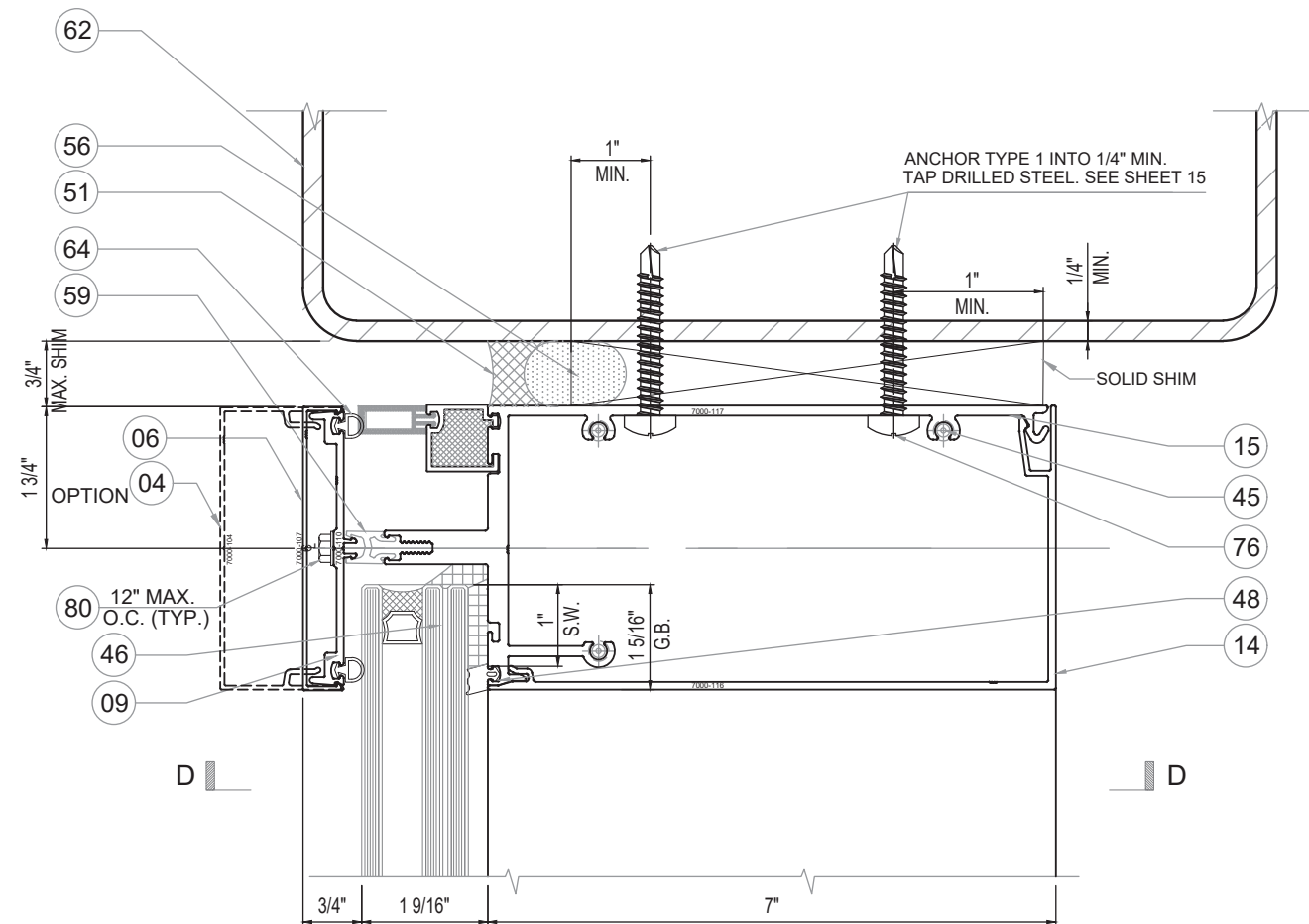


SECTION D-D



11 HEAD DETAIL OPTION A
17

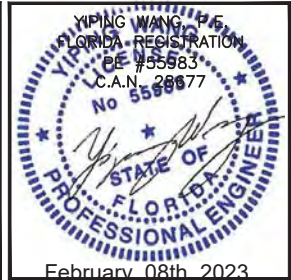
NOTE:
BOTH BUTT GLAZED AND CAPTURED
HEAD OPTIONS CAN BE ANCHORED
INTO CONCRETE OR STEEL



11 HEAD DETAIL OPTION B
17

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control

MIAMI DADE COUNTY



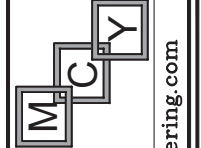
DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087

DRAWING NO.
AD12-64

SHEET 17 OF 38

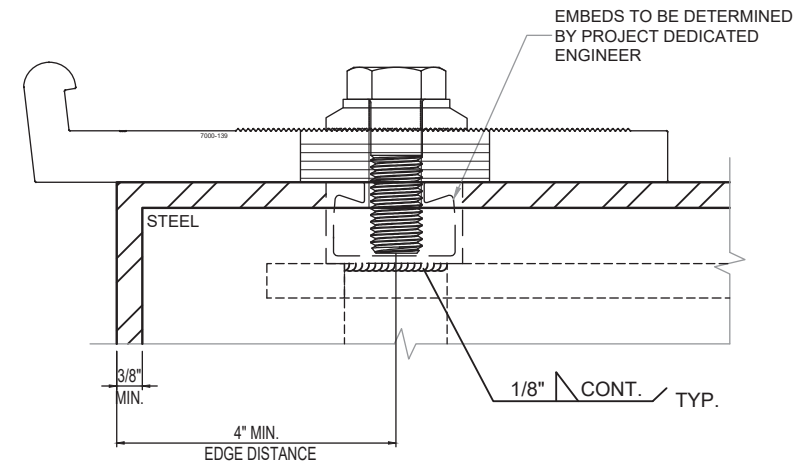
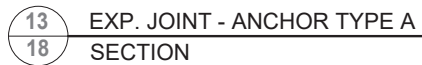
SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI
TECNOGLASS, LLC.
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

MCY ENGINEERING, INC.
GLAZING CONSULTANTS



12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224
www.MCYEngineering.com MCY@mcyengineering.com


NO.	DATE	DESCRIPTION
1	01/18/23	RENEWAL



MIAMI DADE COUNTY

SHEET 18 OF 38

MCY ENGINEERING, INC.
GLAZING CONSULTANTS



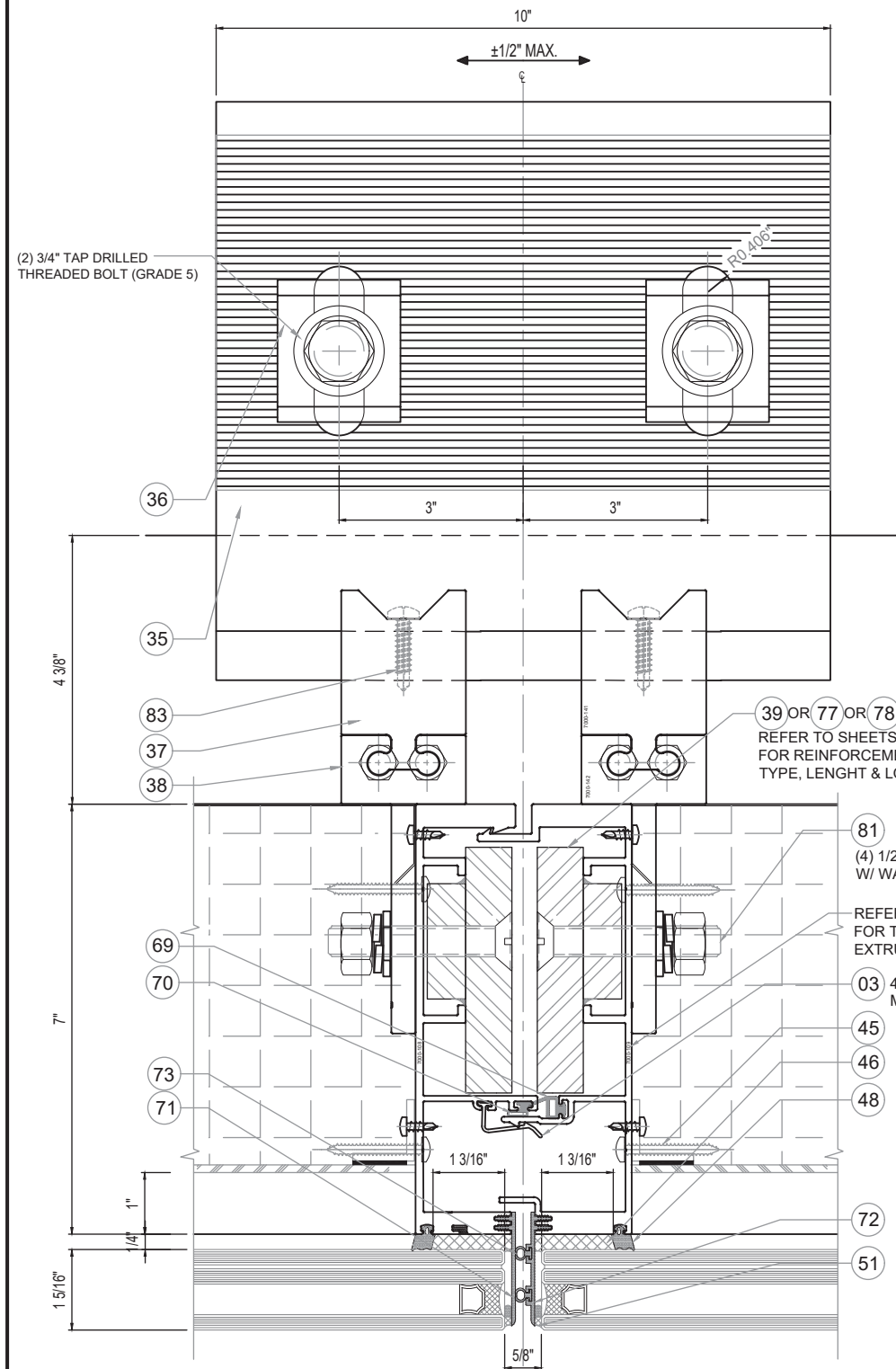
12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224

www.MCYEngineering.com MCY@mcyengineering.com

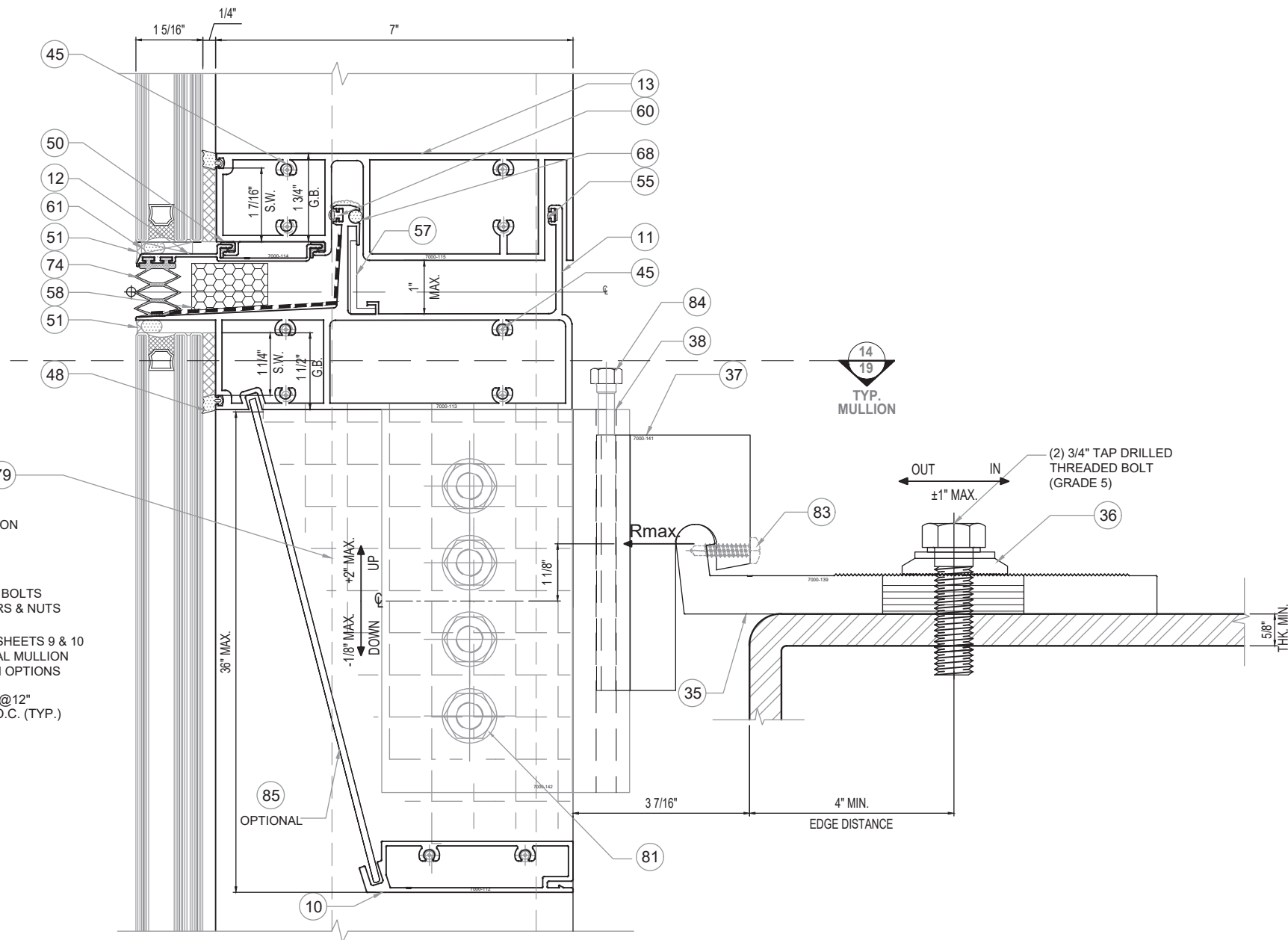
SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

TECNOGLASS, LLC.

3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

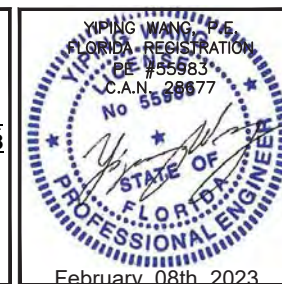


14
19 TYP. MULLION - ANCHOR TYPE B



15
19 EXP. JOINT - ANCHOR TYPE B SECTION

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Lopez*
Miami-Dade Product Control



DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087
DRAWING NO.	AD12-64
SHEET	19 OF 38

MCY

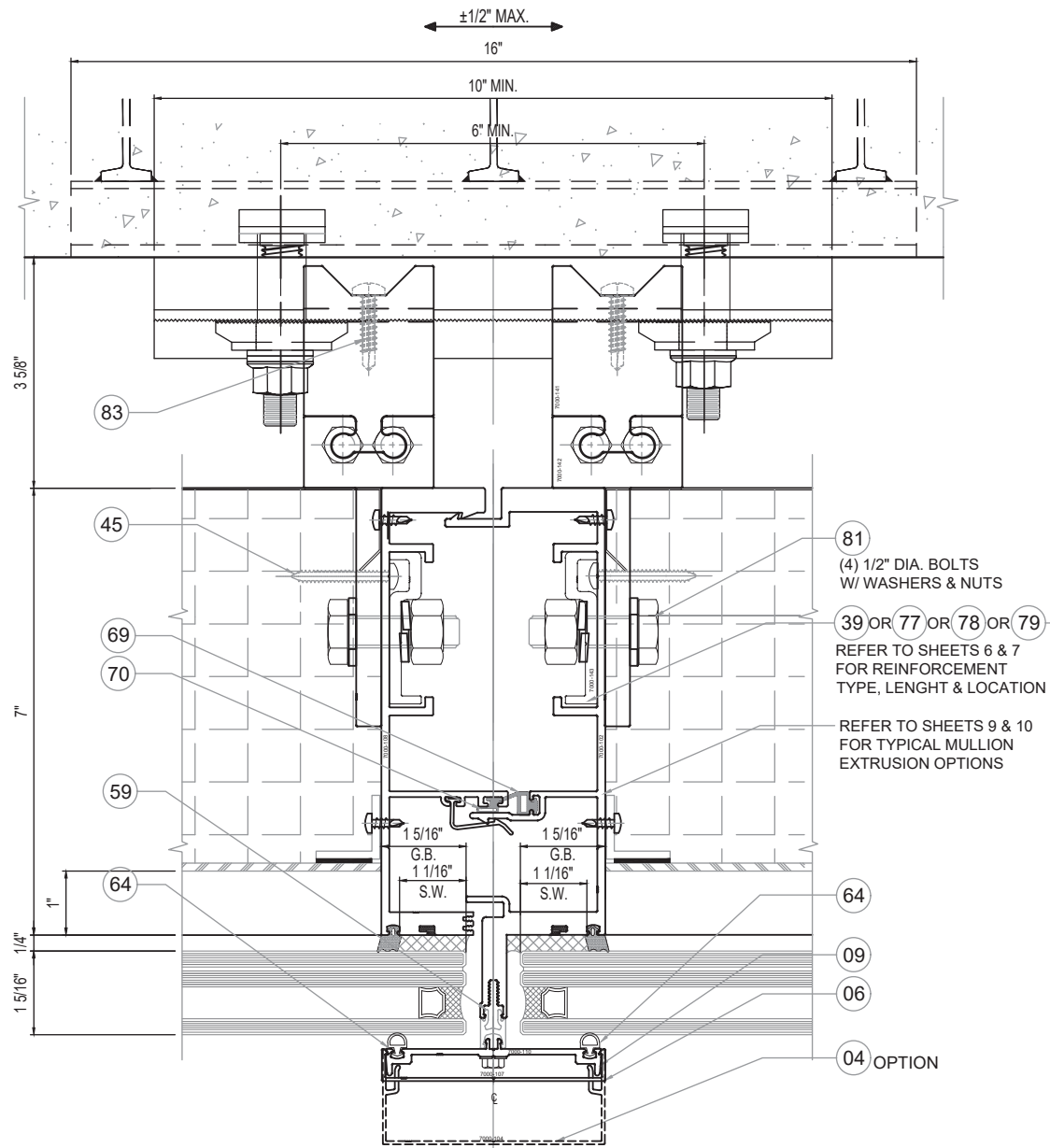
MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027
P: 305.271.0117
F: 305.588.5224
www.MCYEngineering.com
MCY@mcyengineering.com

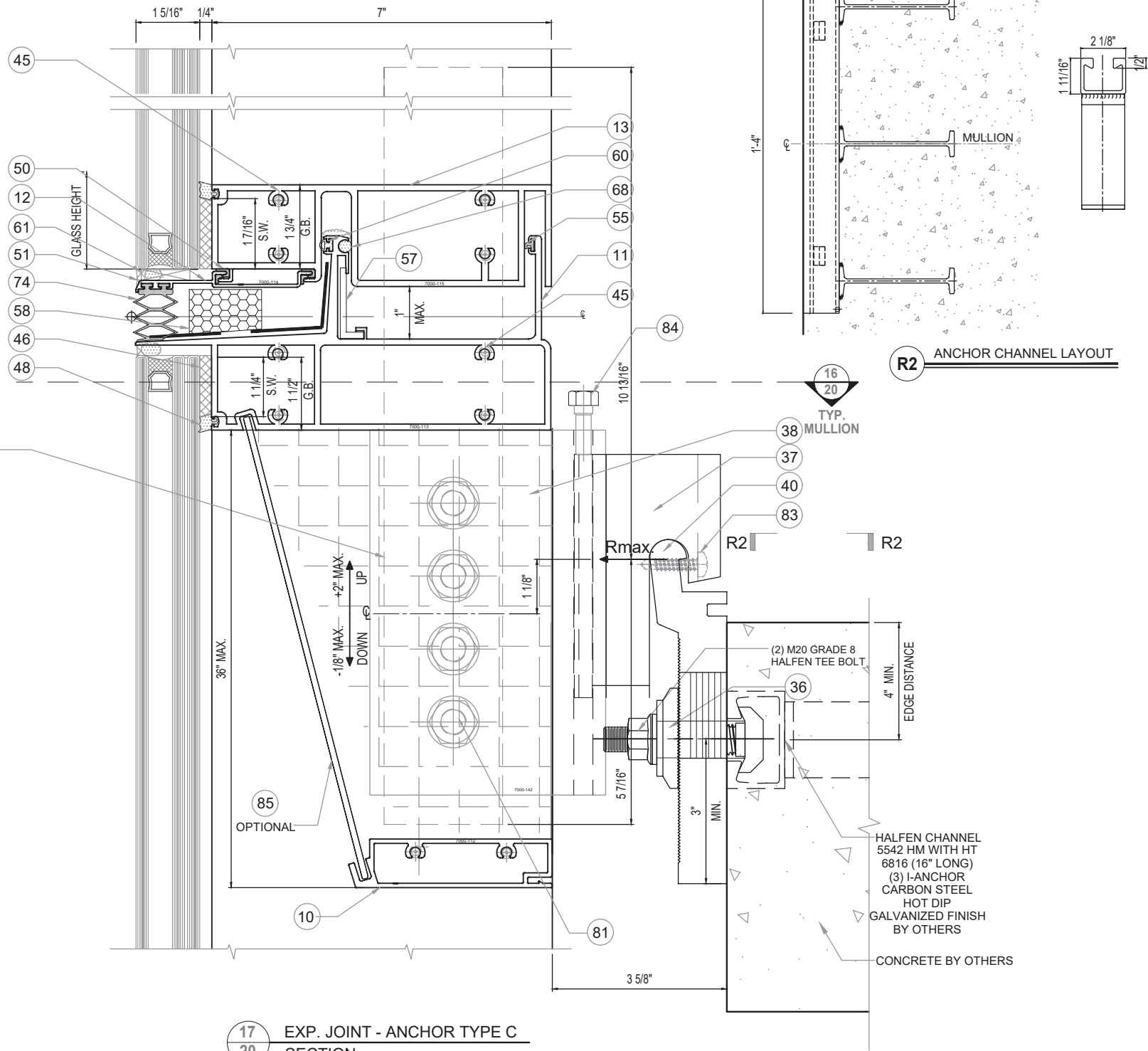
SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

TECNOGLASS, LLC.

3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965



16
20 TYP. MULLION - ANCHOR TYPE C



17
20 EXP. JOINT - ANCHOR TYPE C SECTION

MAX. MULL. SPACING	MAX. MULL. SPAN	MAX. DESIGN LOAD	MAX. END REACTION Rmax.
5'-0"	10'-0"	75 PSF.	3750 LBS
5'-0"	12'-0"	60 PSF.	3600 LBS

PRODUCT REVISED
as complying with the Florida Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel J. Perez*
Miami-Dade Product Control

MIAMI DADE COUNTY

YIPING WANG, P.E.
FLORIDA REGISTRATION
No. 555883
C.A.N. 28877

February 08th, 2023

DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087
DRAWING NO.	AD12-64
SHEET	20 OF 38

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

TECNOGLASS, LLC.
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224
www.MCYEngineering.com MCY@mcycengineering.com

REVISES	NO.	DATE	DESCRIPTION
	1	1/18/23	RENEWAL

R3 ANCHOR CHANNEL & REBAR LAYOUT

18"

10 3/8"

1 5/8"

2"

(2) #4 BENT REBAR

R3 TYP. MULLION R3

37
38
40
83

(4) M20 GRADE 8.8 HALFEN TEE BOLT AT 5" O.C. MIN.

36

4" MIN. EDGE DISTANCE

(4) 2" X 1 1/2" X 1/4" STEEL ANGLE 1 1/2" L.G. A36

3/16" 2" typ.

1/8" 2" typ.


3/4" MIN. EMBED

S. BOLTS & NUTS

HALFEN CHANNEL 5542 HM 18" LONG W/ (4) #4 REBAR HOT DIP GALVANIZED FINISH BY OTHERS

CONCRETE BY OTHERS

YIPING WANG
FLORIDA REGISTRATION
PE #55583
C.A.N. 28677



February 08th 2023

DRAWING NO.
AD12-64


SHEET 21 OF 38

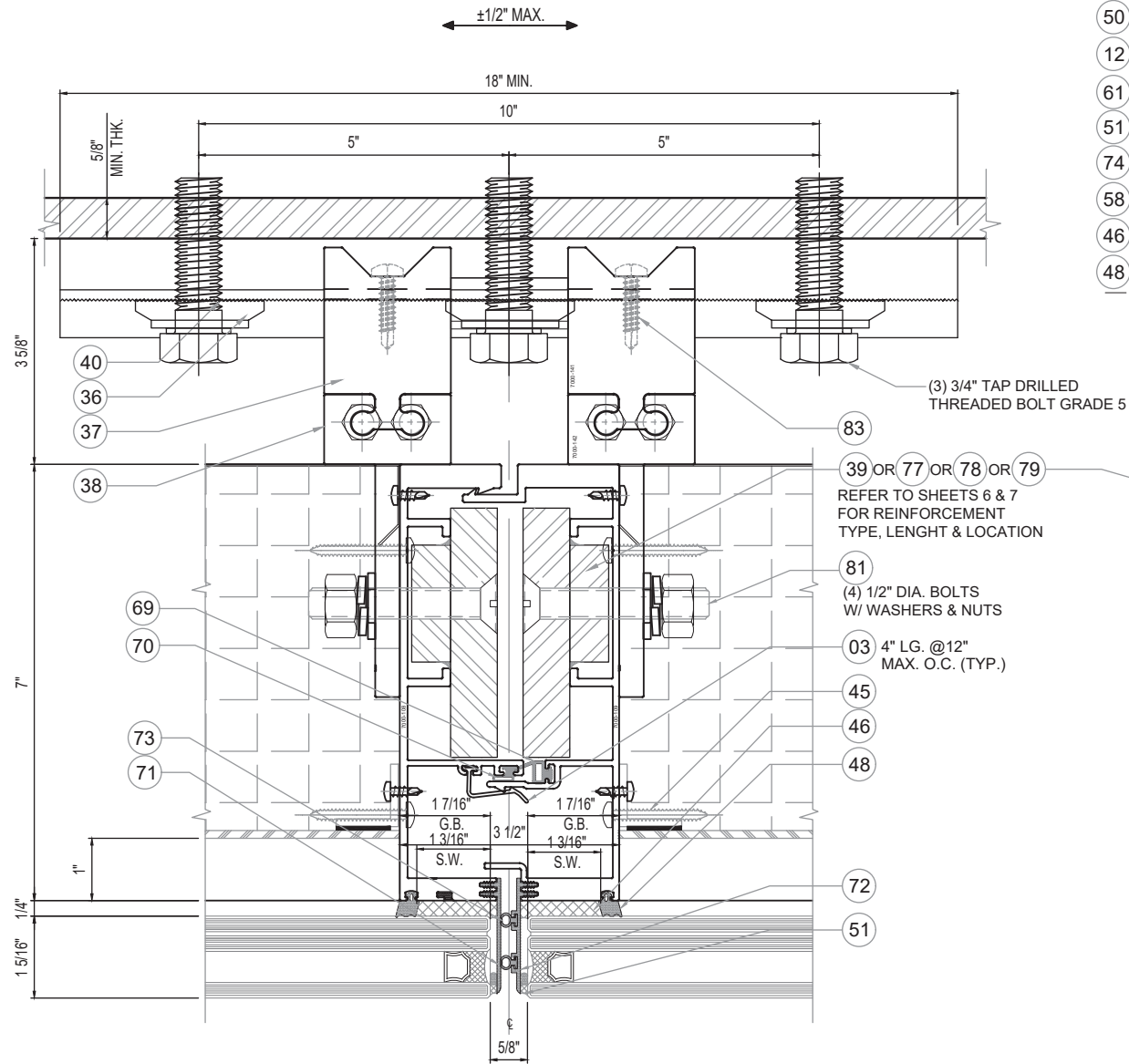
REVISIONS	
NO.	DATE DESCRIPTION
1	1/18/23 RENEWAL

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

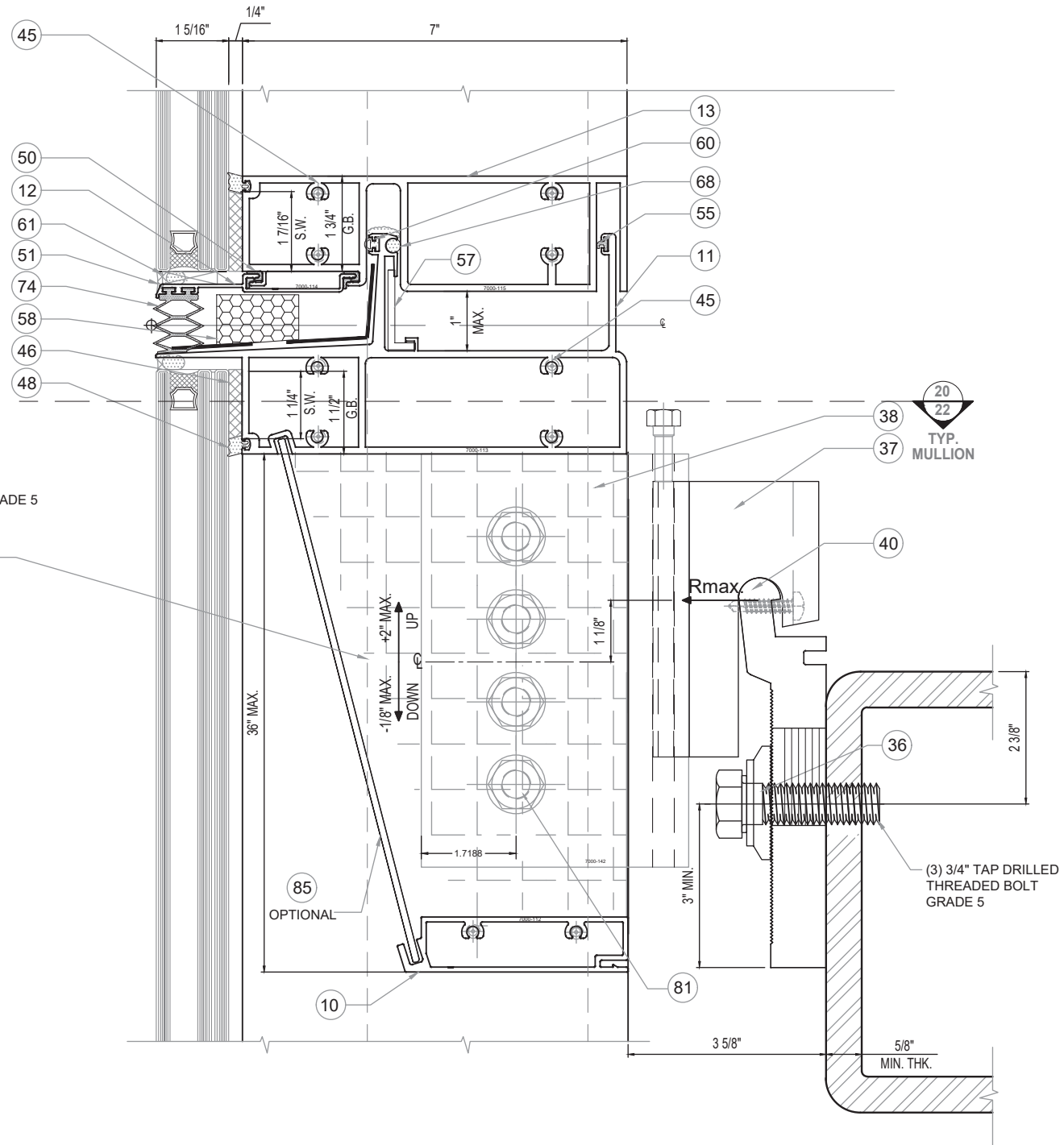
12781 MIRAMAR PARKWAY #301
MIRAMAR FL 33027

P: 305.271.0117
F: 305.588.5224

 www.MCYEngineering.com MCY@mcyengineering.com



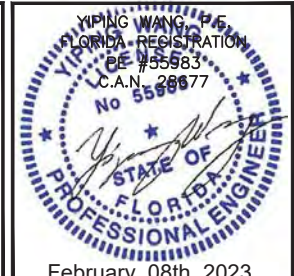
20
22 TYP. MULLION - ANCHOR TYPE D



21
22 EXP. JOINT - ANCHOR TYPE D SECTION

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control

MIAMI DADE COUNTY



DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087

DRAWING NO.
AD12-64

SHEET 22 OF 38

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI
TECNOGLASS, LLC.
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224
www.MCYEngineering.com MCY@mcyengineering.com

NO.	DATE	DESCRIPTION
1	01/18/23	RENEWAL

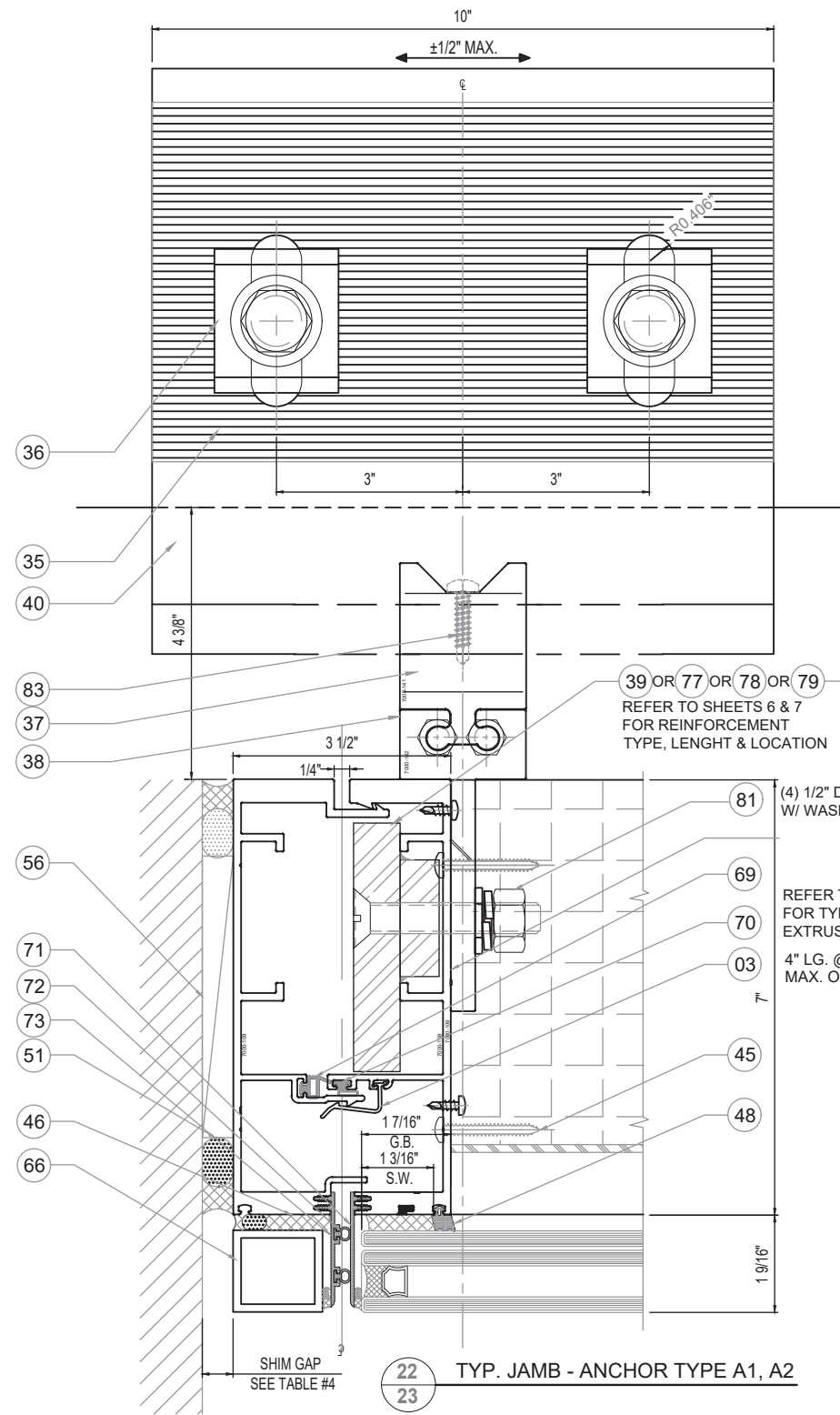
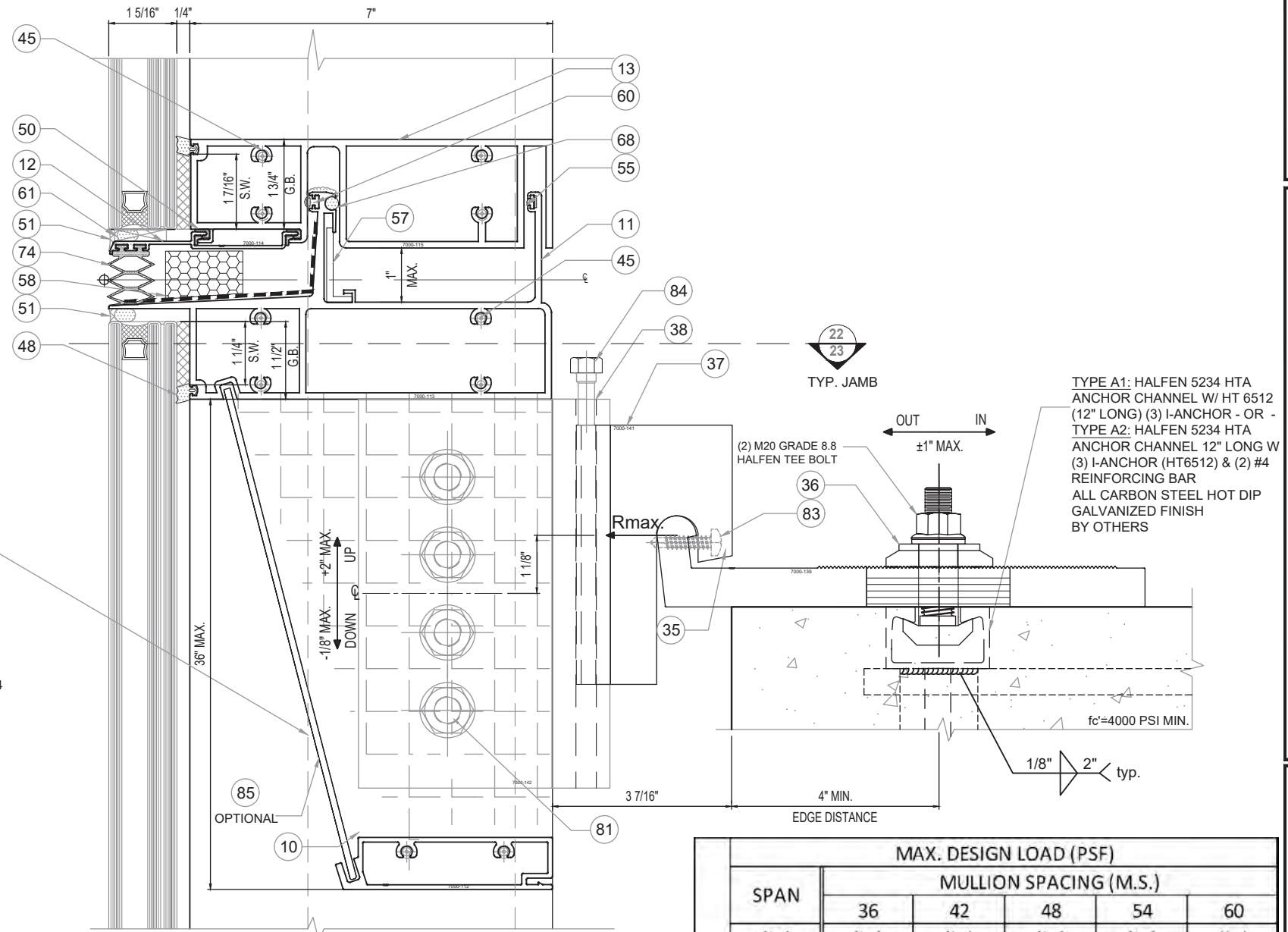


TABLE #4: MIN/MAX SHIM GAP

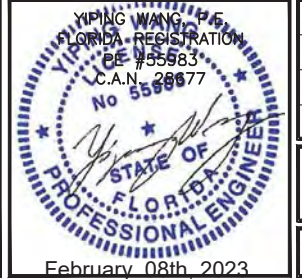
JAMB SPAN*	MIN. GAP	MAX. GAP
≤ 120"	0.38"	0.75"
132"	0.42"	0.75"
144"	0.46"	0.75"
156"	0.5"	0.75"
168"	0.54"	0.75"
180"	0.58"	0.75"
192"	0.62"	0.75"
204"	0.65"	0.75"
208"	0.67"	0.75"

*JAMB SPAN: - ANCHOR C TO C



	SPAN	MAX. DESIGN LOAD (PSF)				
		MULLION SPACING (M.S.)				
	(in)	36	42	48	54	60
TYPE A1	120	140	140	130	116	104
	126	140	140	124	110	99
	132	140	136	119	105	95
	138	140	130	113	101	91
	144	140	124	109	97	87
TYPE A2	120	140	140	140	140	140
	126	140	140	140	140	140
	132	140	140	140	140	140
	138	140	140	140	140	140
	144	140	140	140	140	140

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control



DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087

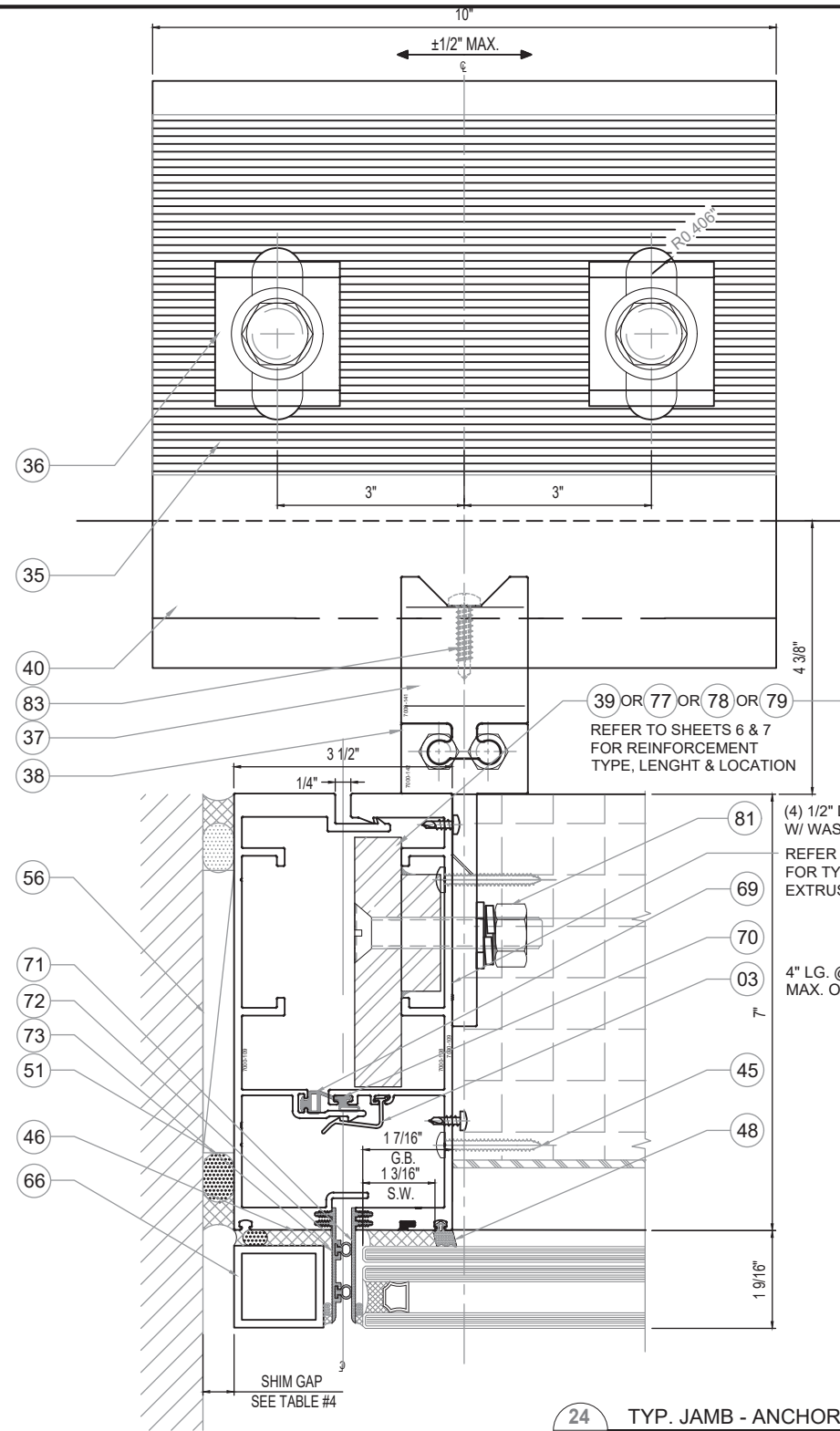
DRAWING NO.
AD12-64

SHEET 23 OF 38

REVISIONS	NO.	DATE	DESCRIPTION
	A	1/18/23	RENEWAL

MCY
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027
P: 305.271.0117
F: 305.588.5224
www.MCYEngineering.com
MCY@mcycengineering.com

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI
TECNOGLASS, LLC.
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

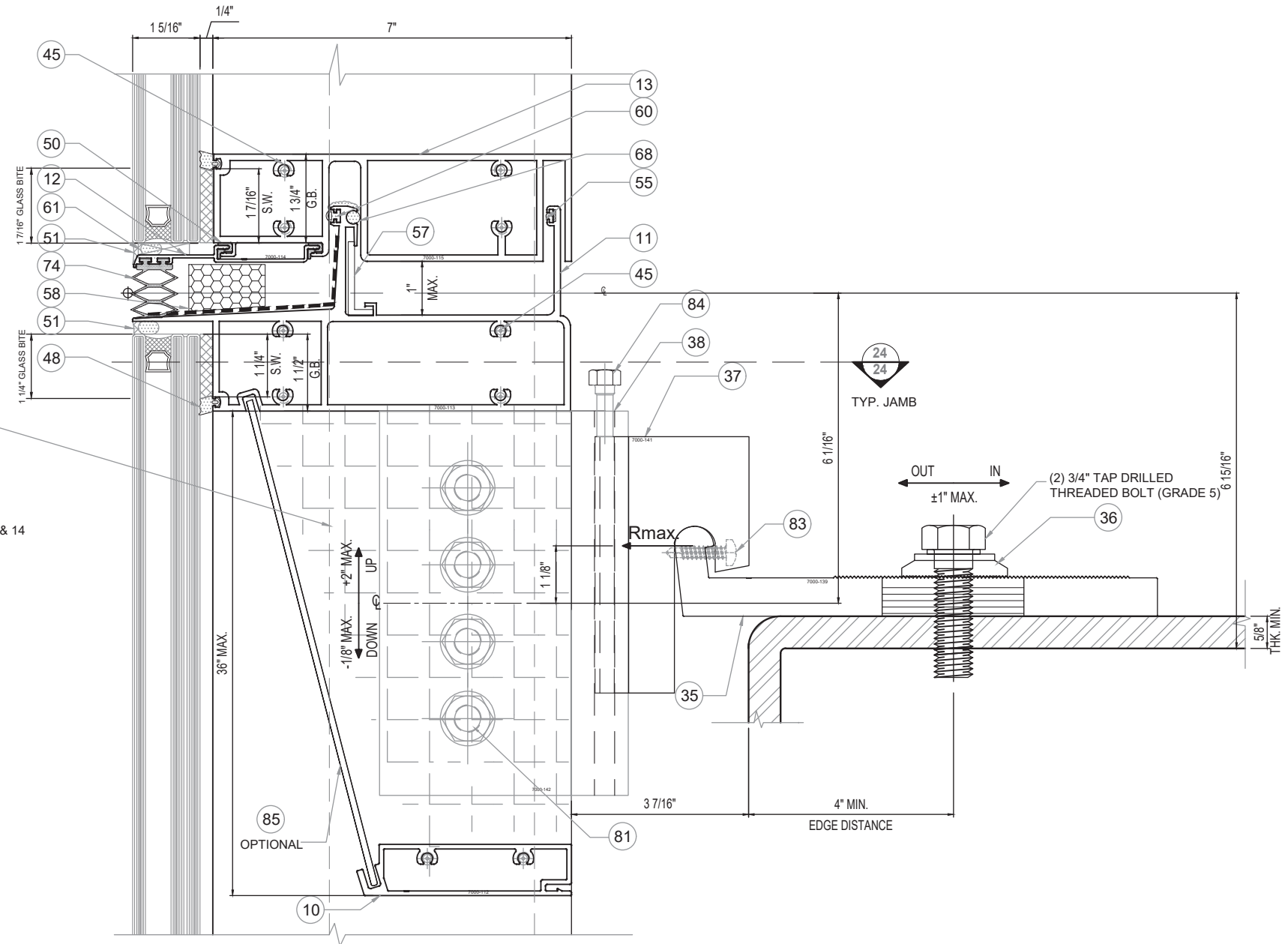


24
24 TYP. JAMB - ANCHOR TYPE B1

TABLE #4: MIN/MAX SHIM GAP

JAMB SPAN*	MIN. GAP	MAX. GAP
≤ 120"	0.38"	0.75"
132"	0.42"	0.75"
144"	0.46"	0.75"
156"	0.5"	0.75"
168"	0.54"	0.75"
180"	0.58"	0.75"
192"	0.62"	0.75"
204"	0.65"	0.75"
208"	0.67"	0.75"

*JAMB SPAN: - ANCHOR ϕ TO ϕ



25
24 JAMB EXP. JOINT - ANCHOR TYPE B1 SECTION

NO.	DATE	DESCRIPTION
1	1/18/23	RENEWAL

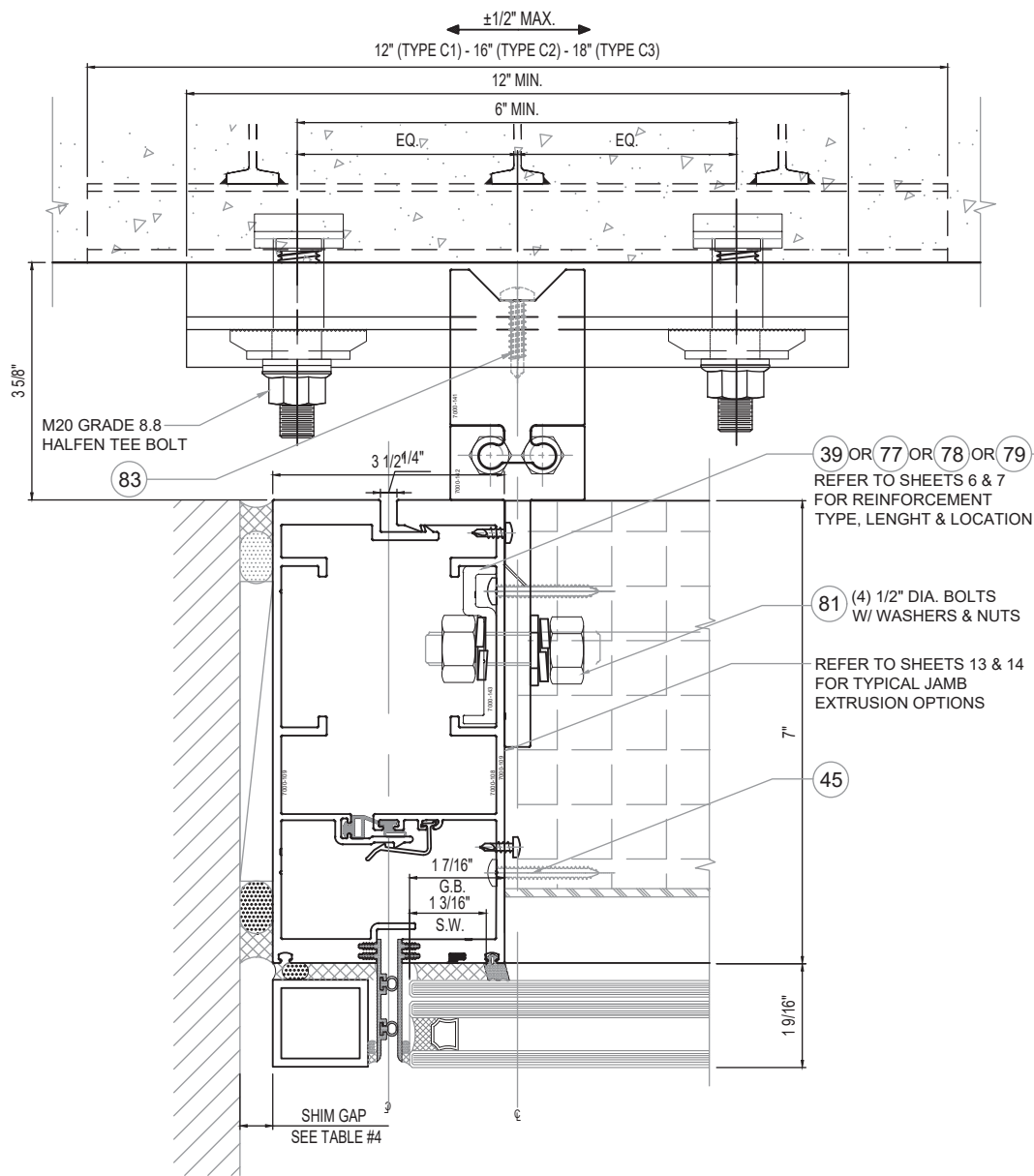
MCY
ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224
www.MCYEngineering.com MCY@mcycengineering.com

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI
TECNOGLASS, LLC.
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control
MIAMI DADE COUNTY

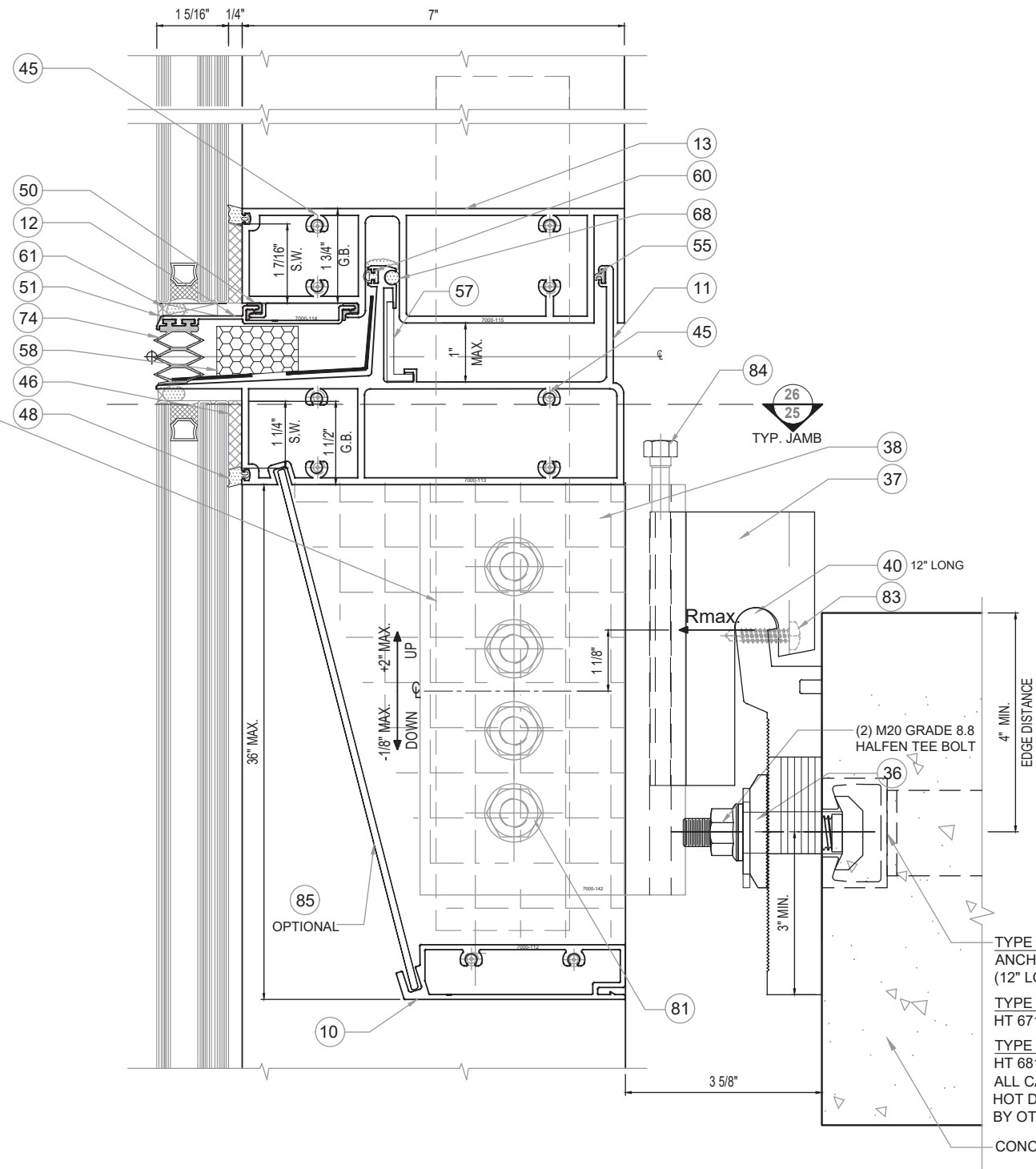
YIPING WANG, P.E.
FLORIDA REGISTRATION
No. 55583
C.A.N. 28877
February 08th, 2023

DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087
DRAWING NO.	AD12-64
SHEET	24 OF 38



26
25 TYP. JAMB - ANCHOR TYPE C1, C2, C3

	SPAN	MAX. DESIGN LOAD (PSF)				
		MULLION SPACING (M.S.)				
	(in)	36 (in)	42 (in)	48 (in)	54 (in)	60 (in)
TYPE C1	120	140	140	140	140	140
	126	140	140	140	140	139
	132	140	140	140	140	133
	138	140	140	140	140	127
	144	140	140	140	135	122
TYPE C2	120	140	140	140	140	140
	126	140	140	140	140	140
	132	140	140	140	140	140
	138	140	140	140	140	140
	144	140	140	140	140	136
TYPE C3	120	140	140	140	140	140
	126	140	140	140	140	140
	132	140	140	140	140	140
	138	140	140	140	140	140
	144	140	140	140	140	140

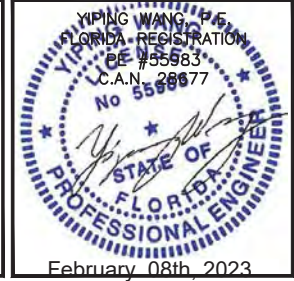


27
25 JAMB EXP. JOINT - ANCHOR TYPE C1, C2, C3
SECTION

TYPE C1: HALFEN 5234 HM ANCHOR CHANNEL W/ HT 6112 (12" LONG) (2) I-ANCHOR - OR -
TYPE C2: HALFEN 5542 HM WITH HT 6712 (16" LONG) (2) I-ANCHOR
TYPE C3: HALFEN 5542 HM WITH HT 6818 (18" LONG) (3) I-ANCHOR
ALL CARBON STEEL
HOT DIP GALVANIZED FINISH
BY OTHERS
CONCRETE BY OTHERS

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control

MIAMI DADE COUNTY



February 08th, 2023

DATE 01/18/2023
SCALE AS NOTED
DRAWN A.R.
PROJECT MCY15-087

DRAWING NO.
AD12-64

SHEET 25 OF 38

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

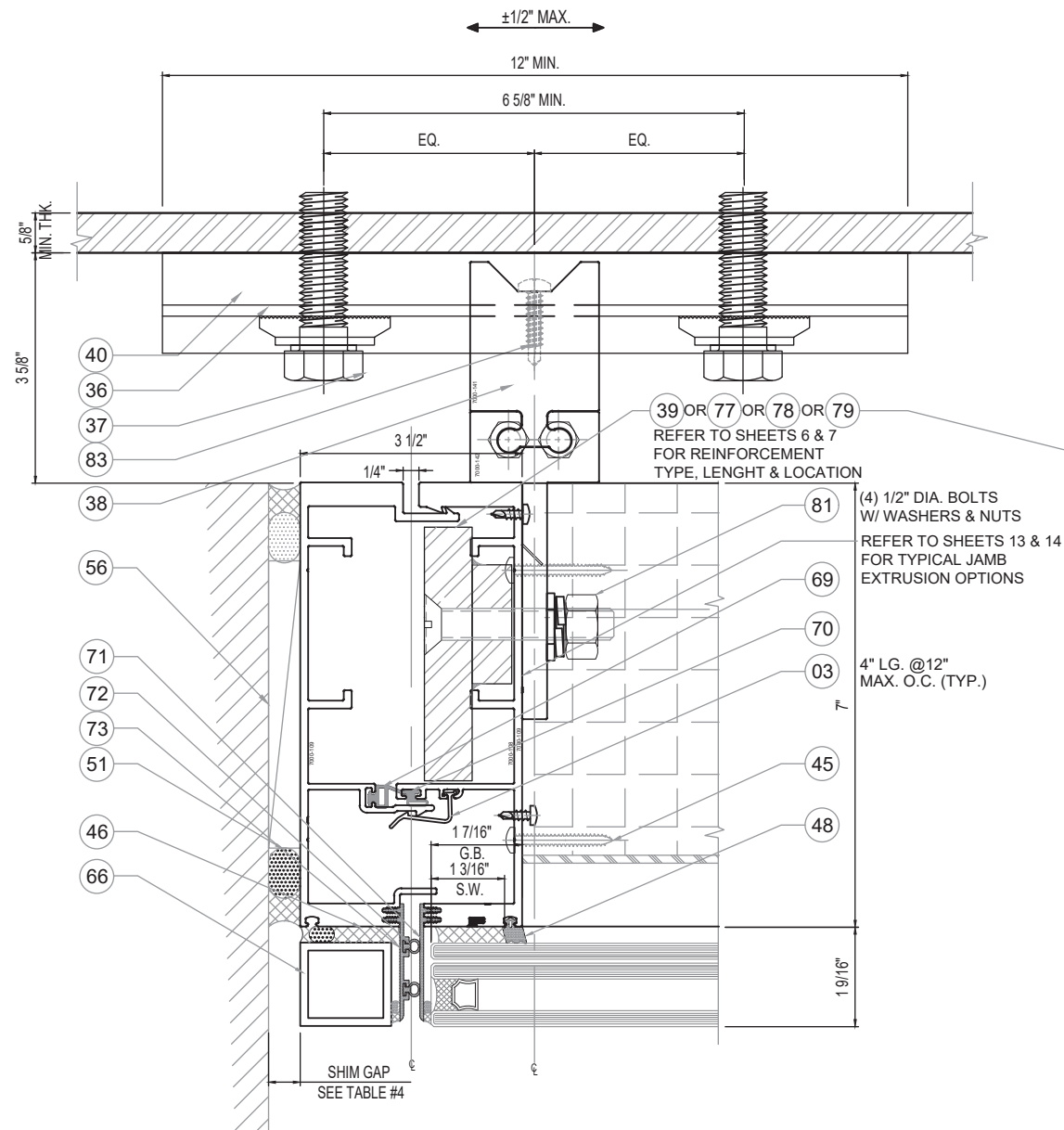
12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224
www.MCYEngineering.com MCY@mcysengineering.com

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

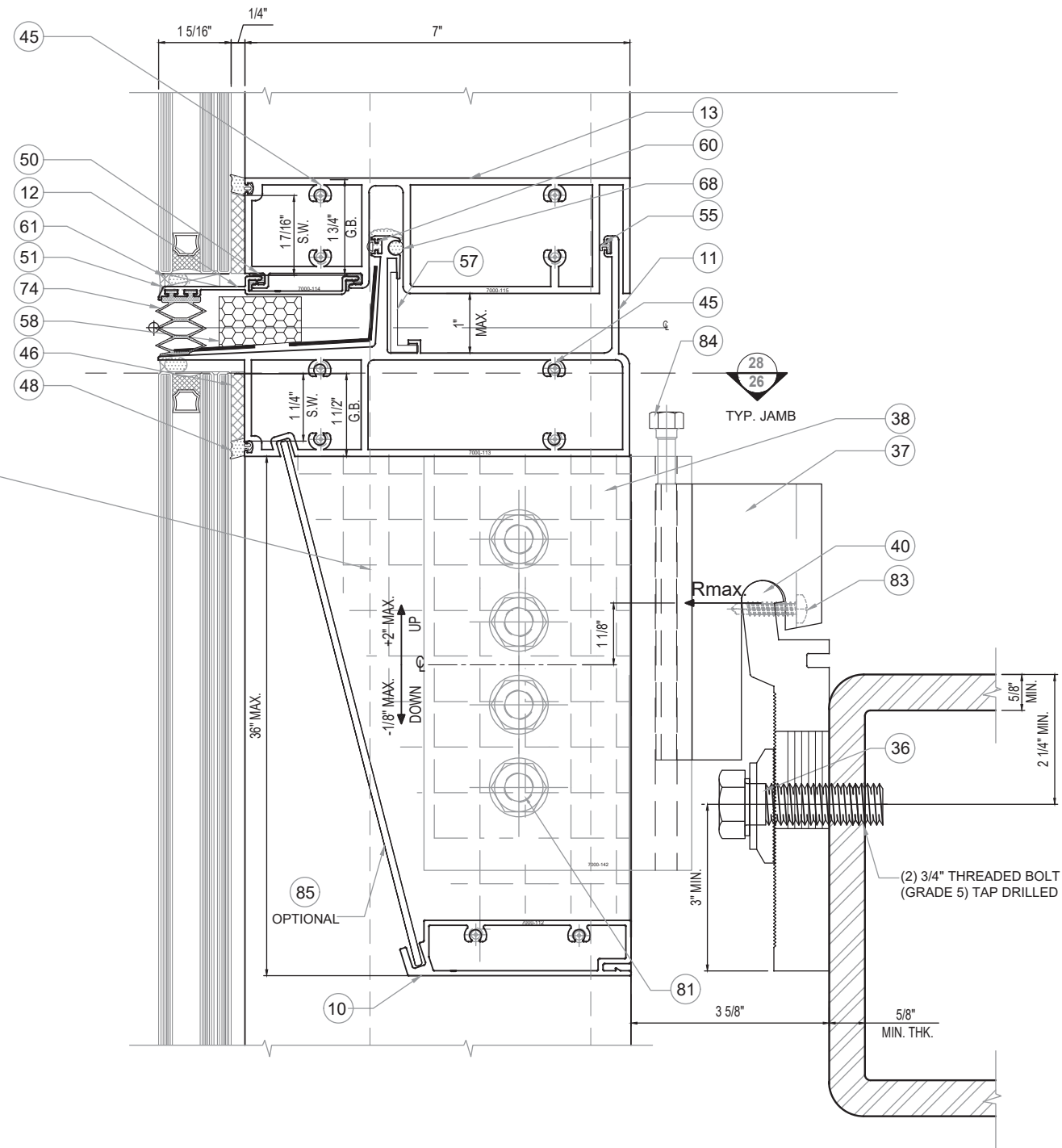
TECNOGLASS, LLC.

3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

REVISIONS
NO. DATE DESCRIPTION
A 1/18/23 RENEWAL



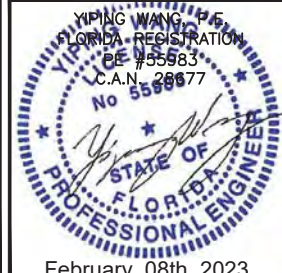
28
26 TYP. JAMB - ANCHOR TYPE D1



29
26 JAMB EXP. JOINT - ANCHOR TYPE D1 SECTION

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control

MIAMI DADE COUNTY



February 08th, 2023

DATE 01/18/2023
SCALE AS NOTED
DRAWN A.R.
PROJECT MCY15-087

DRAWING NO.
AD12-64

SHEET 26 OF 38

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224
www.MCYEngineering.com MCY@mcycengineering.com

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

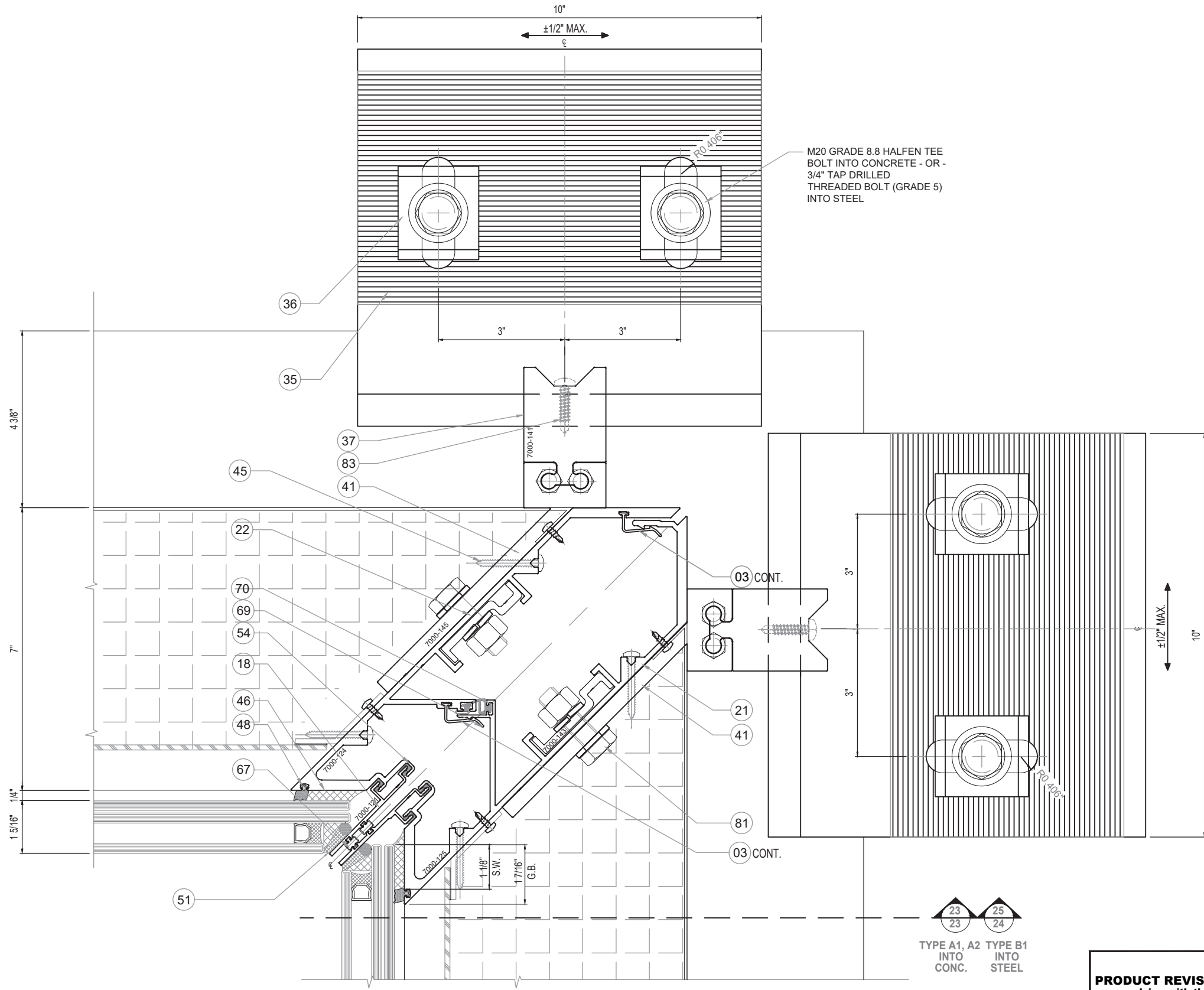
TECNOGLASS, LLC.

3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

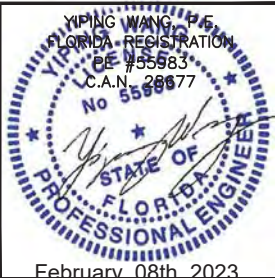
REVISIONS
NO. DATE DESCRIPTION
A 1/18/23 RENEWAL

30
27

INSIDE CORNER MULL. - ANCHOR TYPE A1, A2 OR B1



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel J. Perez*
Miami-Dade Product Control
MIAMI DADE COUNTY



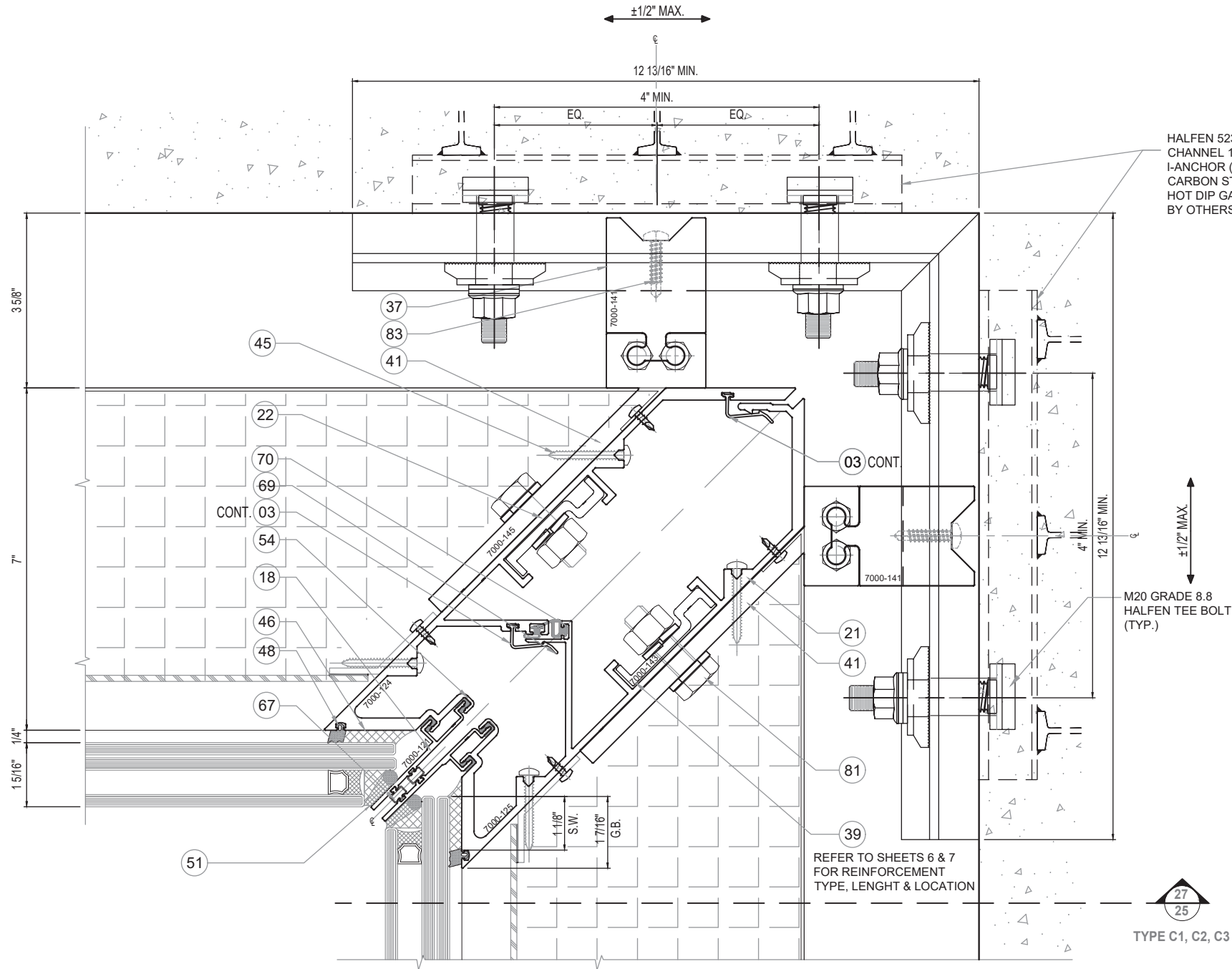
DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087
DRAWING NO.	AD12-64
SHEET	27 OF 38

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI
TECNOGLASS, LLC.
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224
www.MCYEngineering.com MCY@mcycyengineering.com

REVISIONS		
NO.	DATE	DESCRIPTION
1	01/18/23	RENEWAL

31
28 INSIDE CORNER MULL. - ANCHOR TYPE C1, C2, C3



HALFEN 5234 HTA ANCHOR
CHANNEL 10\" LONG W (3)
I-ANCHOR (HT6516)
CARBON STEEL
HOT DIP GALVANIZED FINISH
BY OTHERS

M20 GRADE 8.8
HALFEN TEE BOLT
(TYP.)

REFER TO SHEETS 6 & 7
FOR REINFORCEMENT
TYPE, LENGHT & LOCATION

27
25
TYPE C1, C2, C3

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control

MIAMI DADE COUNTY

YIPING WANG, P.E.
FLORIDA REGISTRATION
No. 555883
C.A.N. 28677

February 08th, 2023

DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087
DRAWING NO.	AD12-64
SHEET	28 OF 38

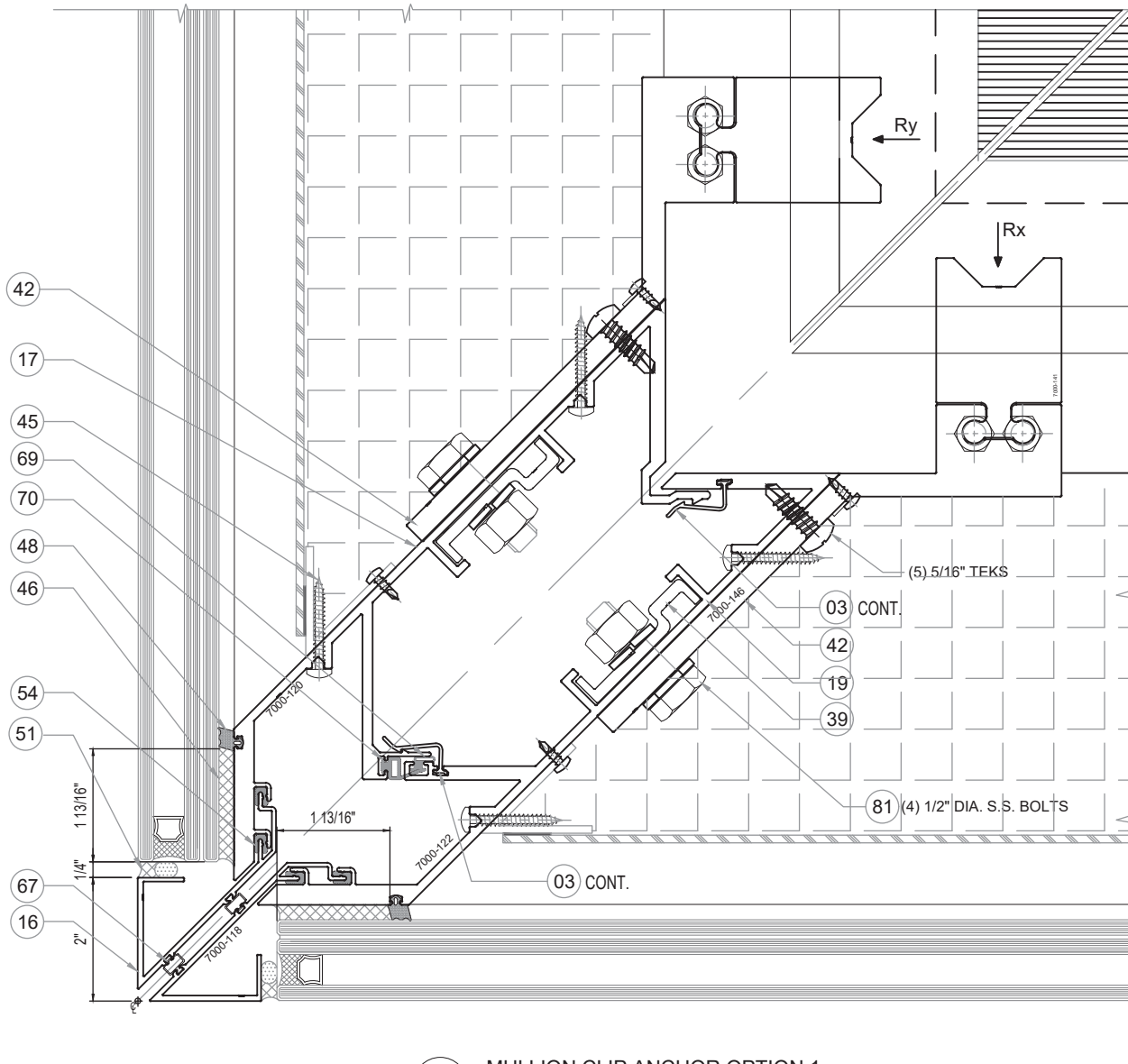
SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

TECNOGLASS, LLC.
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

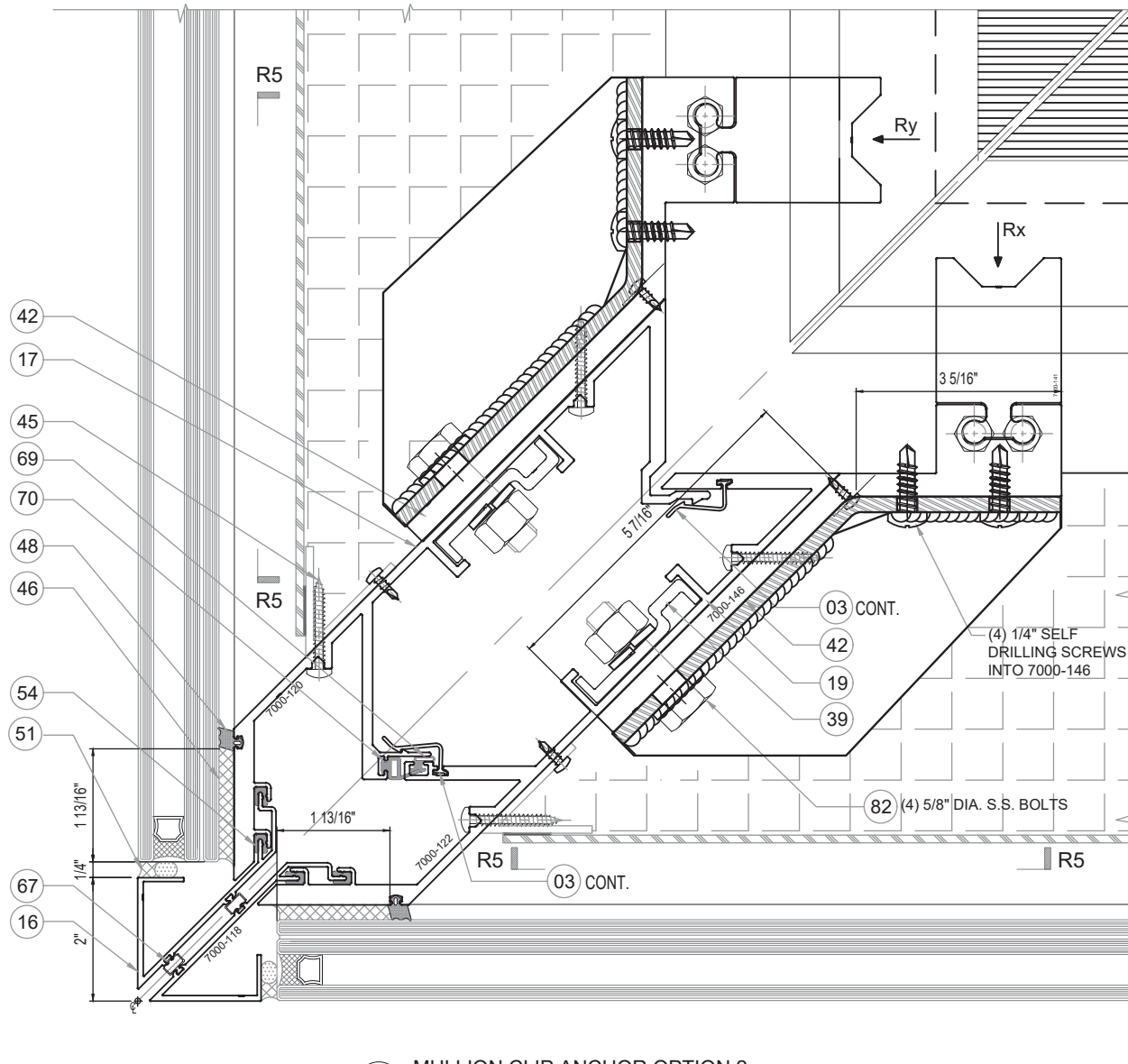
MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224
www.MCYEngineering.com MCY@mcyengineering.com

NO.	DATE	DESCRIPTION
1	01/18/23	RENEWAL

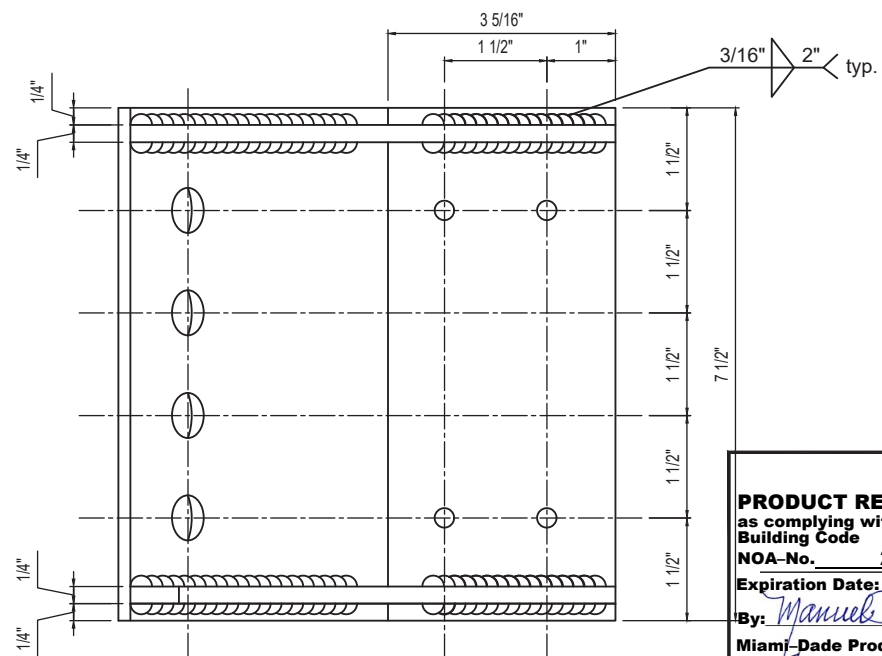


33 MULLION CLIP ANCHOR OPTION 1
30 Rx ≤ 2600 lbs



33 MULLION CLIP ANCHOR OPTION 2
30 2600 lbs < Rx or Ry

MULLION CLIP ANCHOR OPTION						
	SPAN	MAX. DESIGN LOAD (PSF)				
		MULLION SPACING (M.S.)				
	(in)	36 (in)	42 (in)	48 (in)	54 (in)	60 (in)
OPTION 1	120	140	129	113	100	90
	126	140	123	108	96	86
	132	137	117	103	91	82
	138	131	112	98	87	79
	144	126	108	94	84	75
OPTION 2	120	140	140	140	140	140
	126	140	140	140	140	140
	132	140	140	140	140	140
	138	140	140	140	140	140
	144	140	140	140	140	140



R5 - STEEL ANCHOR CLIP DETAIL
FRONT VIEW

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control



DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087
DRAWING NO.	AD12-64
SHEET 30 OF 38	

REVISIONS

NO.	DATE	DESCRIPTION
A	1/18/23	RENEWAL

MCY

ENGINEERING, INC.

GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301

MIRAMAR FL 33027

www.MCYEngineering.com

P: 305.271.0117

F: 305.588.5224

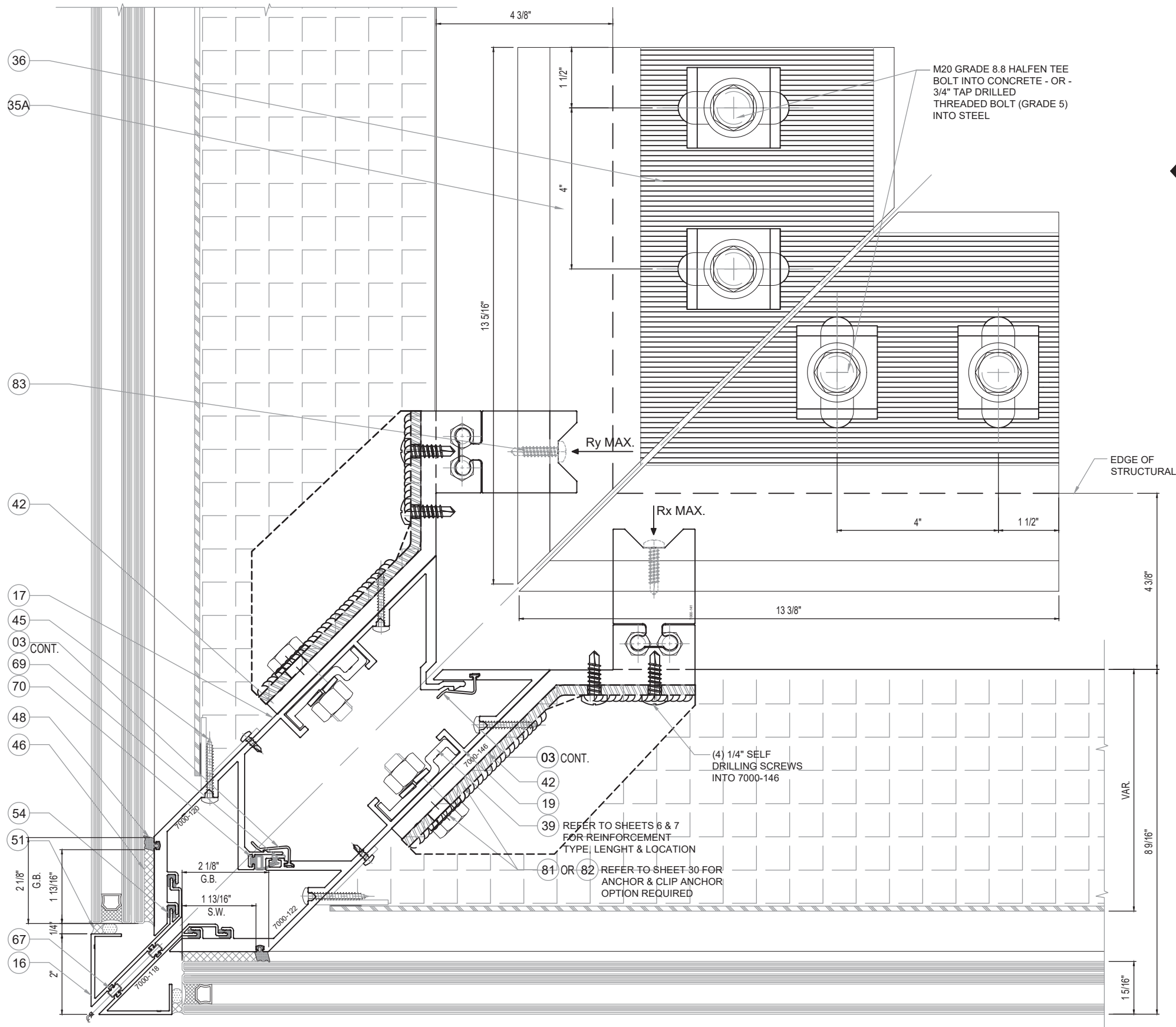
MCY@mcysengineering.com

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

TECNOGLASS, LLC.

3550 NW 49TH STREET, MIAMI, FL 33142

Phone (305) 342-0890 Fax (786) 513-3965



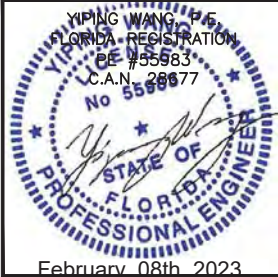
35
32 TYPE E

36
33 TYPE F

34
31 OUTSIDE CORNER MULL.
ANCHOR TYPE E OR F

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Forro*
Miami-Dade Product Control

MIAMI DADE COUNTY



DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087

DRAWING NO.
AD12-64

SHEET 31 OF 38

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

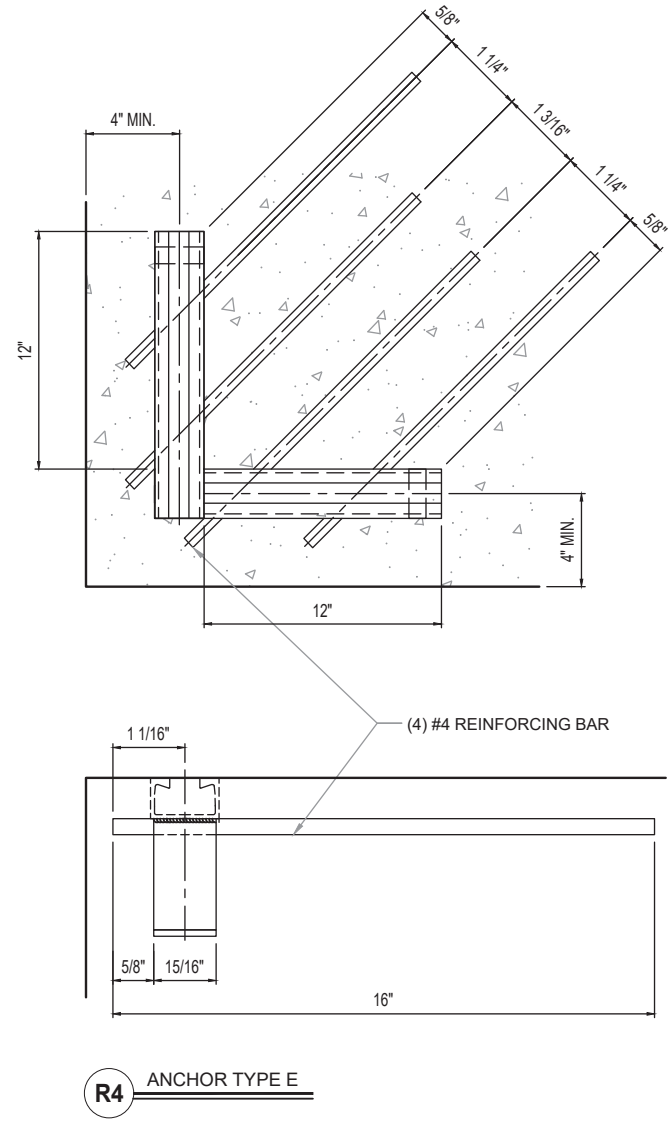
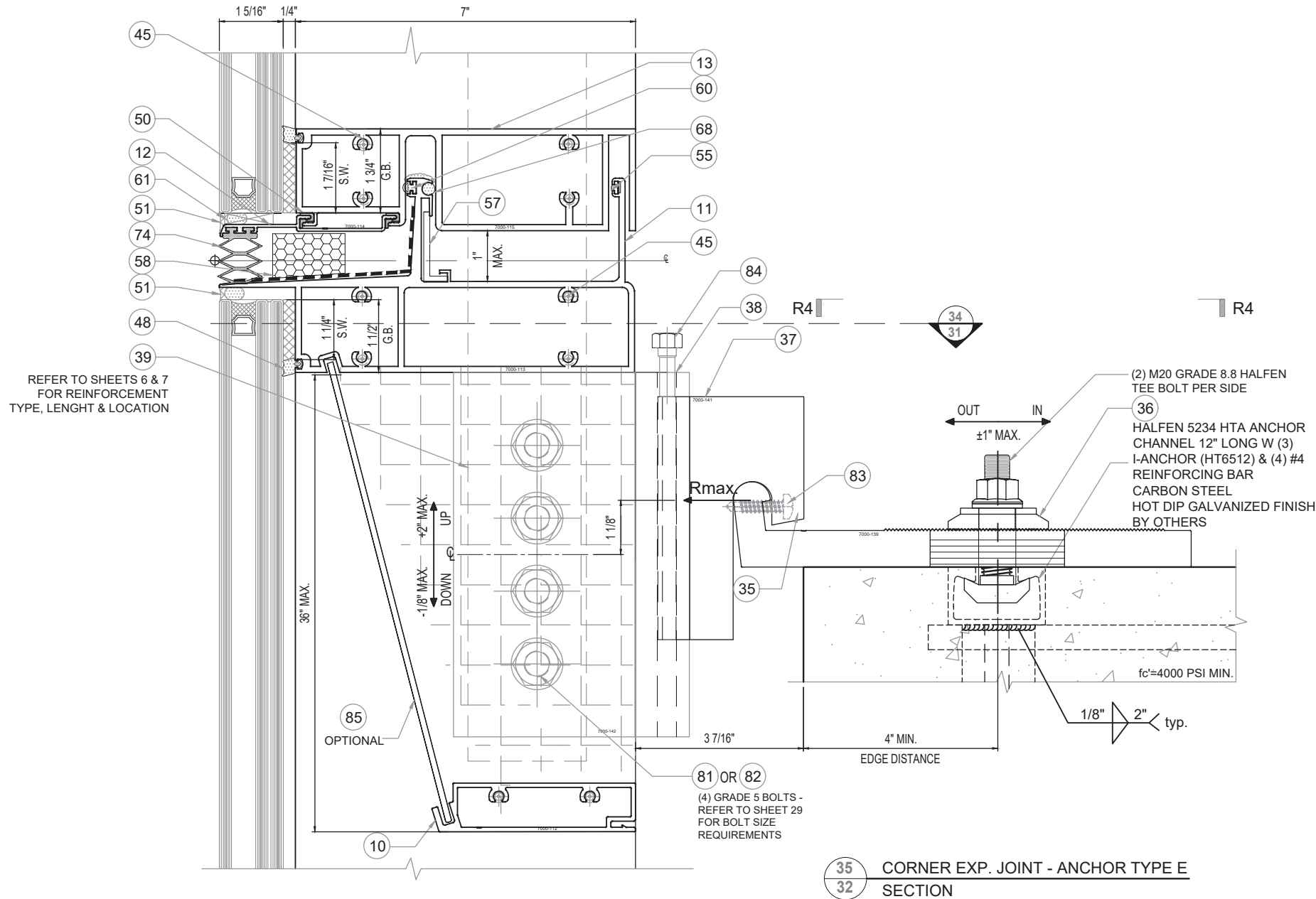
12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224
www.MCYEngineering.com MCY@mcycengineering.com

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

TECNOGLASS, LLC.

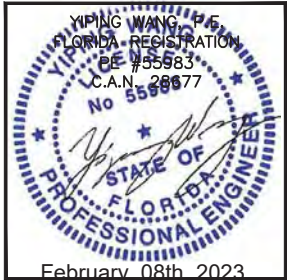
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

NO.	DATE	DESCRIPTION
1	01/18/23	RENEWAL



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control

MIAMI DADE COUNTY



DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087
DRAWING NO.	AD12-64
SHEET	32 OF 38

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

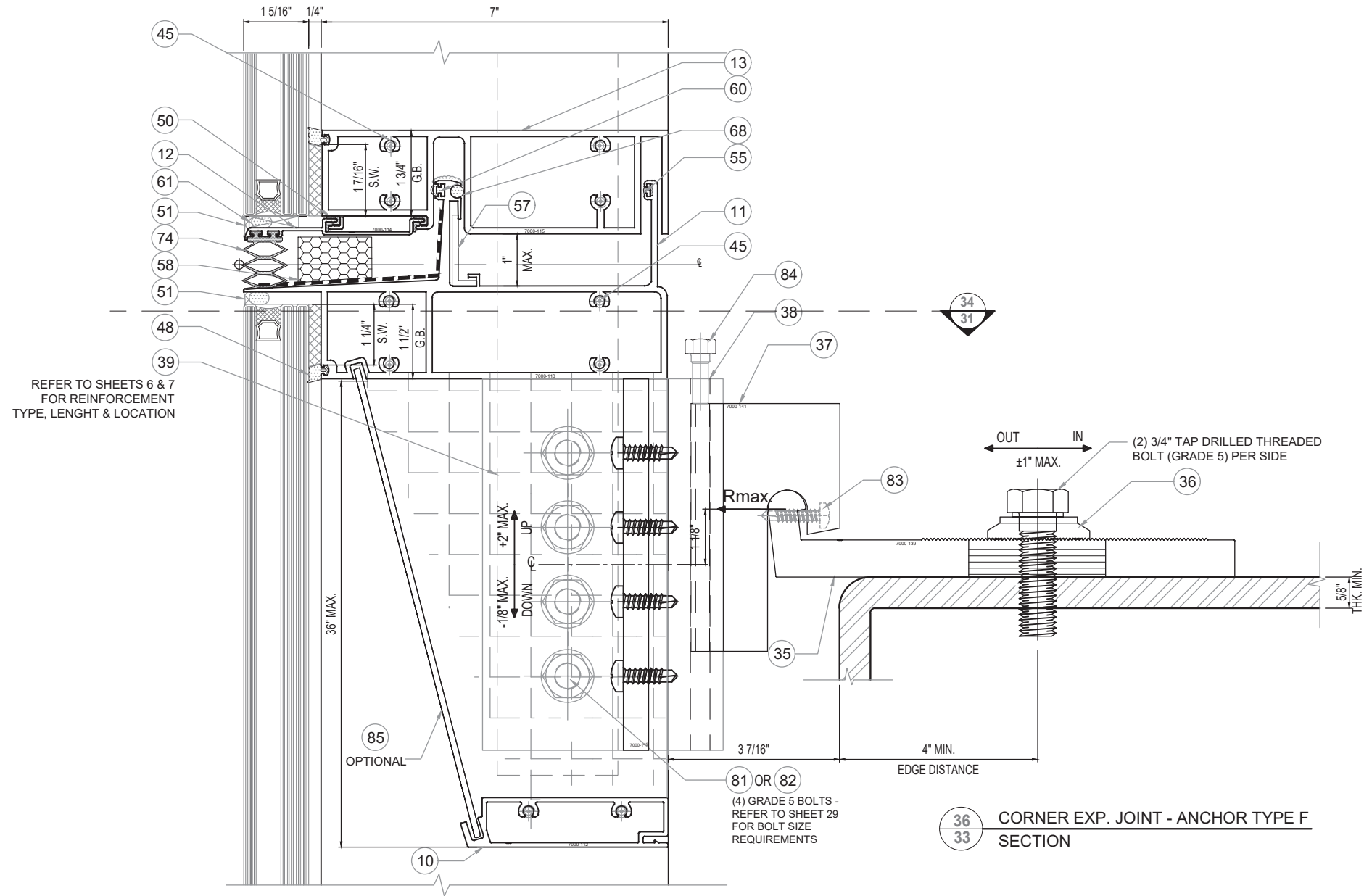
TECNOGLASS, LLC.

3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

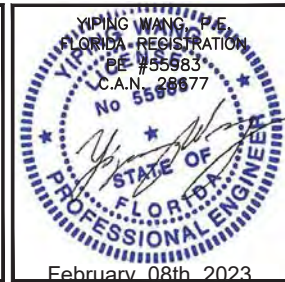
MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224
www.MCYEngineering.com MCY@mcycengineering.com

NO.	DATE	DESCRIPTION
A	1/18/23	RENEWAL



PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control
MIAMI DADE COUNTY



DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087
DRAWING NO.	AD12-64
SHEET	33 OF 38

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

TECNOGLASS, LLC.

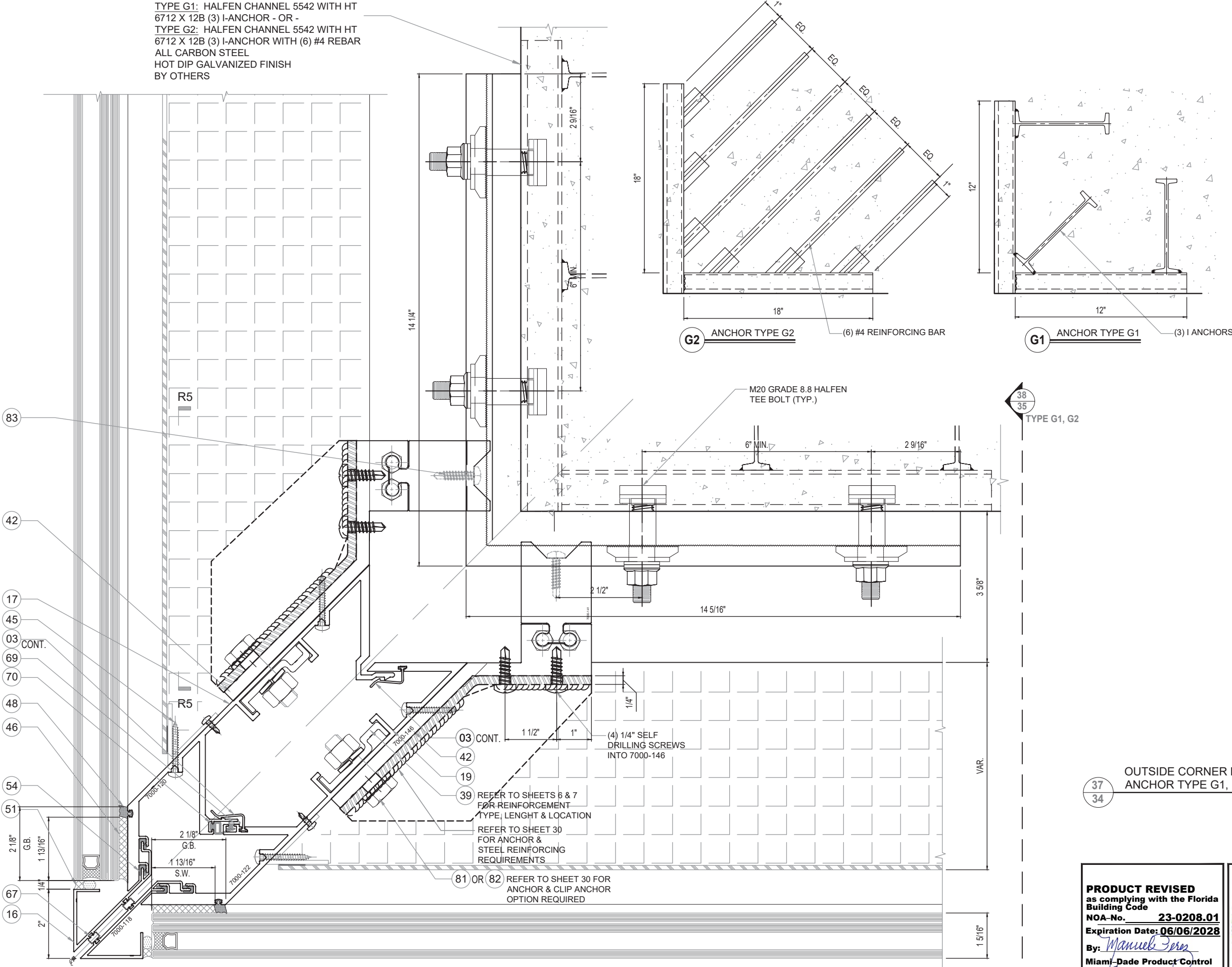
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224
www.MCYEngineering.com MCY@mcyengineering.com

NO.	DATE	DESCRIPTION
1	01/18/23	RENEWAL

TYPE G1: HALFEN CHANNEL 5542 WITH HT
6712 X 12B (3) I-ANCHOR - OR -
TYPE G2: HALFEN CHANNEL 5542 WITH HT
6712 X 12B (3) I-ANCHOR WITH (6) #4 REBAR
ALL CARBON STEEL
HOT DIP GALVANIZED FINISH
BY OTHERS

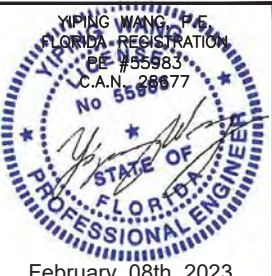


37
34

OUTSIDE CORNER MULL.
ANCHOR TYPE G1, G2

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control

MIAMI DADE COUNTY



DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087
DRAWING NO.	AD12-64
SHEET	34 OF 38

MCY

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

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

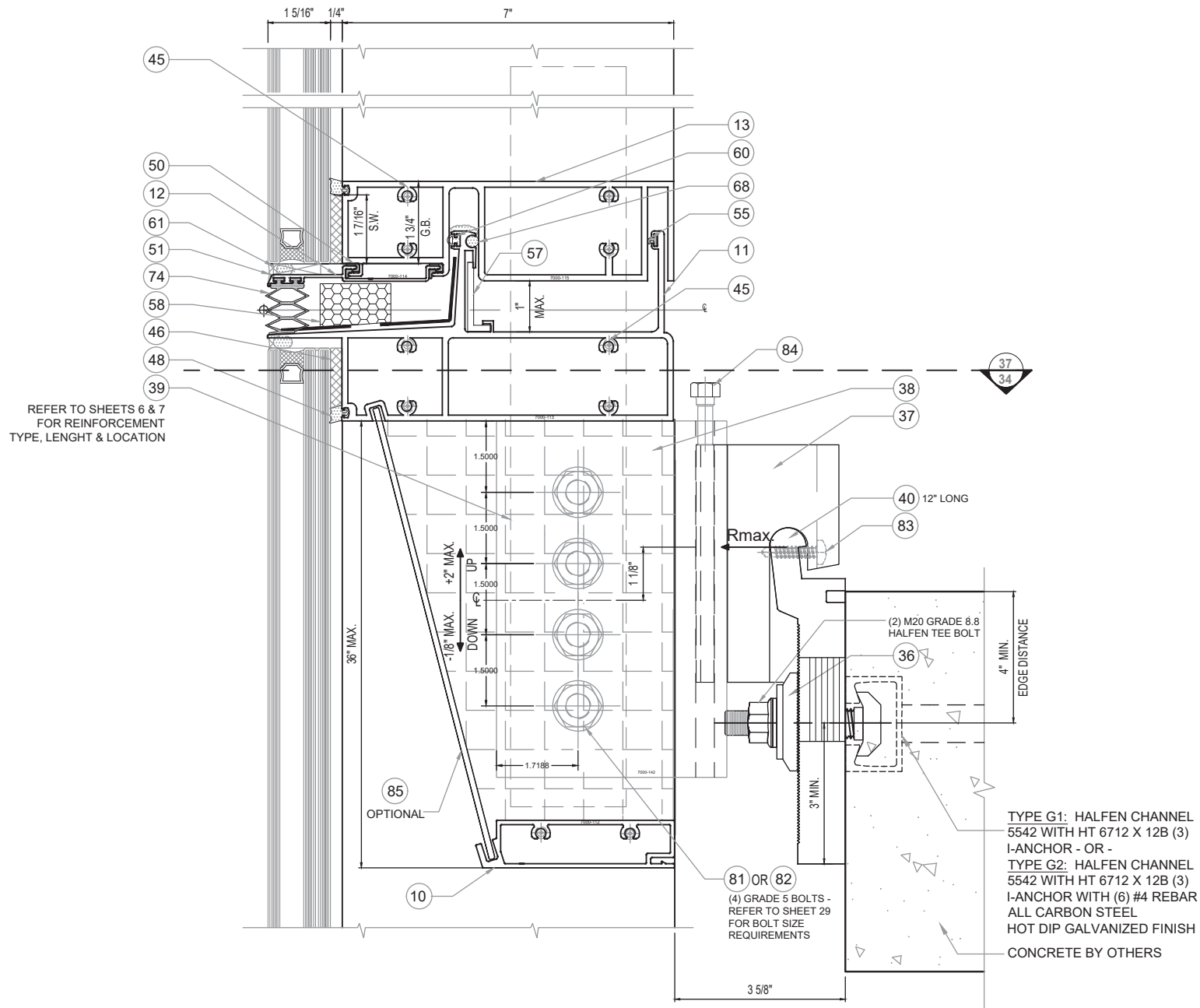
REVISIONS
NO. DATE DESCRIPTION
A 1/18/23 RENEWAL

P: 305.271.0117
F: 305.588.5224
MCY@mcycengineering.com

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

TECNOGLASS, LLC.

3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965



38 CORNER EXP. JOINT - ANCHOR TYPE G1, G2
35 SECTION

	SPAN	MAX. DESIGN LOAD (PSF)				
		MULLION SPACING (M.S.)				
	(in)	36 (in)	42 (in)	48 (in)	54 (in)	60 (in)
TYPE G1	120	140	140	140	124	112
	126	140	140	133	119	107
	132	140	140	127	113	102
	138	140	139	122	108	97
	144	140	133	117	104	93
TYPE G2	120	140	140	140	140	140
	126	140	140	140	140	140
	132	140	140	140	140	140
	138	140	140	140	140	140
	144	140	140	140	140	140

TYPE G1: HALFEN CHANNEL
5542 WITH HT 6712 X 12B (3)
I-ANCHOR - OR -
TYPE G2: HALFEN CHANNEL
5542 WITH HT 6712 X 12B (3)
I-ANCHOR WITH (6) #4 REBAR
ALL CARBON STEEL
HOT DIP GALVANIZED FINISH
CONCRETE BY OTHERS

PRODUCT REVISED

as complying with the Florida Building Code

NOA-No. 23-0208.01

Expiration Date: 06/06/2028

By: Manuel Lopez

Miami-Dade Product Control

MIAMI DADE COUNTY

YIPING WANG, P.E.
FLORIDA REGISTRATION
PE #33883
C.A.N. 23577
No 5584677

February 08th 2023

DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087

DRAWING NO.

AD12-64

SHEET 35 OF 38

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

TECNOGLASS, LLC.

3550 NW 49TH STREET, MIAMI, FL 33142

Phone (305) 342-0890 Fax (786) 513-3965

MCY ENGINEERING, INC.

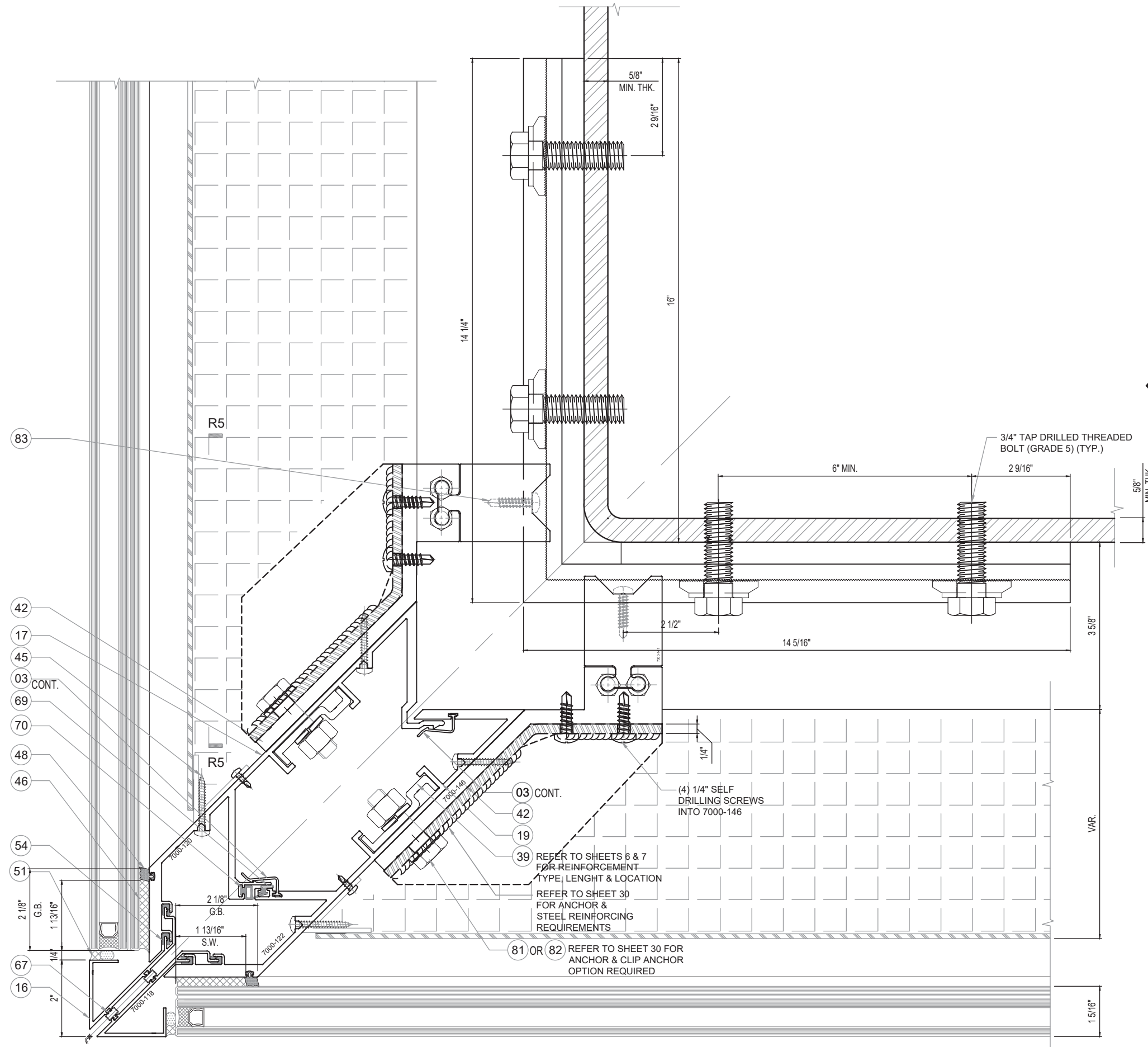
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301
MIRAMAR FL 33027

www.MCYEngineering.com

REVISIONS

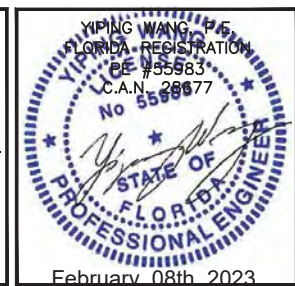
NO	DATE	DESCRIPTION
A	1/18/23	RENEWAL



40
37
TYPE H

39
36
OUTSIDE CORNER MULL.
ANCHOR TYPE H

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. **23-0208.01**
Expiration Date: **06/06/2028**
By: *Manuel Jerez*
Miami-Dade Product Control
MIAMI DADE COUNTY

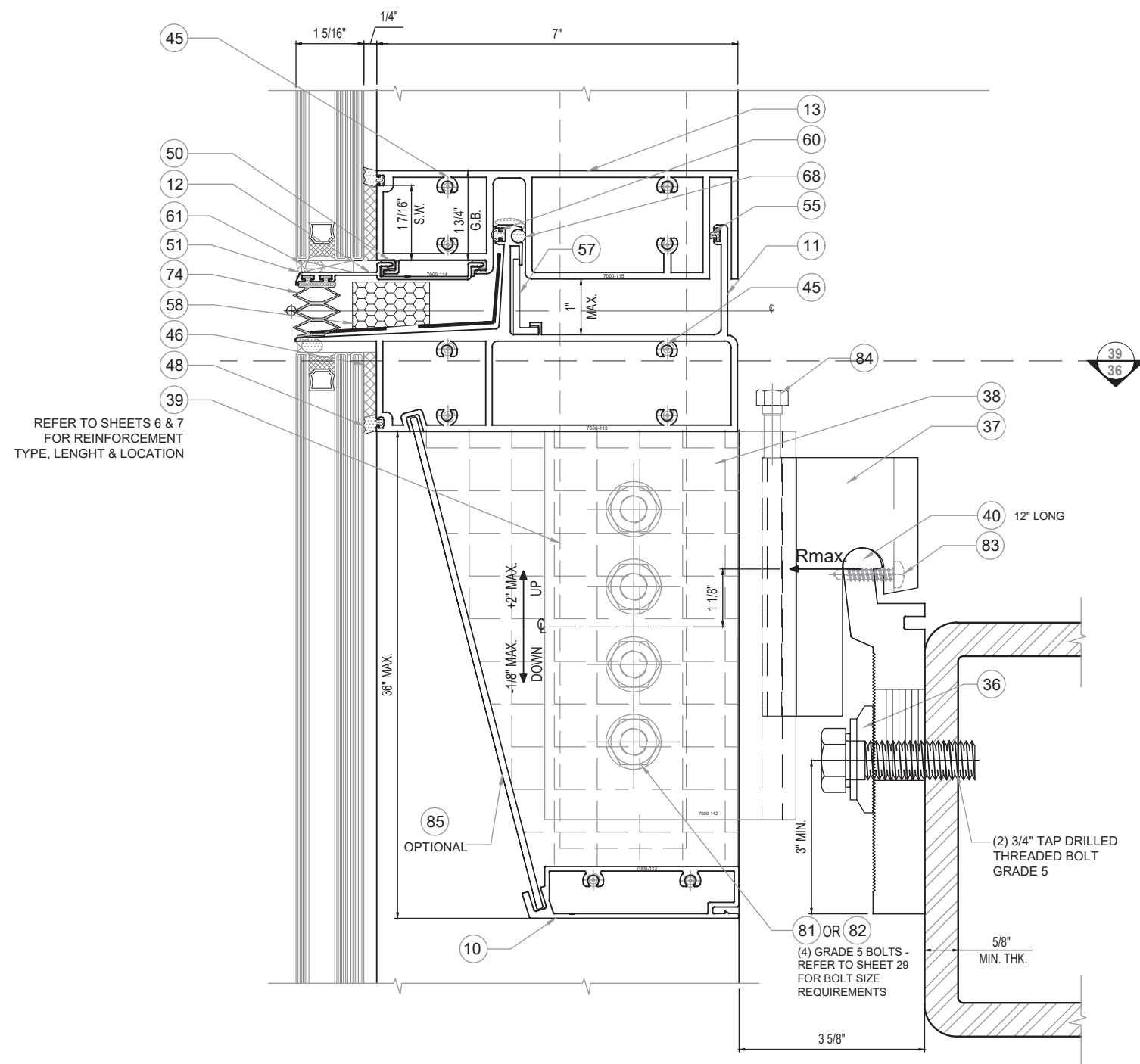


DATE 01/18/2023
SCALE AS NOTED
DRAWN A.R.
PROJECT MCY15-087
DRAWING NO.
AD12-64
SHEET 36 OF 38

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI
TECNOGLASS, LLC.
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224
www.MCYEngineering.com MCY@mcyengineering.com

REVISIONS	
NO.	DATE DESCRIPTION
1	1/18/23 RENEWAL



40 CORNER EXP. JOINT - ANCHOR TYPE H 37 SECTION

REVISIONS	
NO.	DATE DESCRIPTION
1	1/18/23 RENEWAL

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301 P: 305.271.0117
MIRAMAR FL 33027 F: 305.588.5224

www.MCYEngineering.com MCY@mcyengineering.com

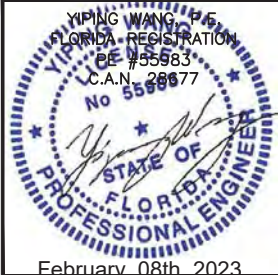
SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

TECNOGLASS, LLC.

3550 NW 49TH STREET, MIAMI, FL 33142

Phone (305) 342-0890 Fax (786) 513-3965

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0208.01
Expiration Date: 06/06/2028
By: Manuel Perez
Miami-Dade Product Control



DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087

DRAWING NO.
AD12-64

SHEET 37 OF 38

MIAMI DADE COUNTY

ITEM #	DESCRIPTION	MATERIAL	GLASSWALL PARTS #	MANUF. / REMARKS	ITEM #	DESCRIPTION	MATERIAL	GLASSWALL PARTS #	MANUF. / REMARKS
01	FEMALE MULLION EXTENDED LEG	6063-T6	7000-101		56	5/8" +/- 1/8" SHIM	-	-	
02	MALE MULLION	6063-T6	7000-102		57	1 7/16" X 1/2" X 1/8" THK. ANGLE	ALUM.	-	
03	ANTI-BUCKLING CLIP	6063-T6	7000-103	4" LG. @ 12" O.C. MAX. TYP. CONT. AT CORNER MULLION	58	SPONGE BUFFER	-	-	
04	EXTENDED BEAUTY CAP	6063-T6	7000-104		59	7/16" CW SPACER	ALUM.	W5250-301	LINGEMANN GmbH
05	MALE MULLION EXTENDED LEG	6063-T6	7000-105		60	STACK JOINT FRONT GASKET	-	065-011	
06	BEAUTY CAP	6063-T6	7000-107		61	1" x 1/4" SETTING BLOCK	-	-	
07	FEMALE MULLION BUTT GLAZED	6063-T6	7000-108		62	8" X 12" X 1/2" THK. TUBE	A36 STEEL	-	
08	MALE MULLION BUTT GLAZED	6063-T6	7000-109		63	1" X 1" X 1/16" THK. ANGLE	ALUM.	-	
09	PRESSURE PLATE	6063-T6	7000-110		64	GASKET .25" PUSH IN	SILICONE	WW7000-NE003	
10	HORIZONTAL AT STACK JOINT	6063-T6	7000-112		65	1 5/8" X 3 1/4" X 1/8" THK. TUBE	ALUMINUM	-	
11	CHICKEN HEAD	6063-T6	7000-113		66	TUBE	ALUMINUM	-	
12	STACK JOINT FIN	6063-T6	7000-114	CONT.	67	MULL EXTERIOR VERT JOINT FILLER	-	065-015	
13	EXPANSION SILL	6063-T6	7000-115		68	CHICKEN HEAD SPACER	-	065-008	4" LG. @ 12" O.C. MAX. TYP. AT EACH FRAME SILL ADAPTOR
14	HEAD SILL COVER	6063-T6	7000-116		69	MULLION AIR BARRIER	EPDM	065-009	
15	HEAD/SILL	6063-T6	7000-117		70	MULLION INTERIOR VERTICAL AIR SEAL	EPDM	065-019	
16	EXTERIOR CORNER COVER	6063-T6	7000-118		71	PVC PART SOLID	PVC	WW7000-NE006	DUROMETER 60/70 + 5 SHORE A
17	EXTERIOR CORNER MALE MULLION	6063-T6	7000-120		72	PVC PART	PVC	WW7000-NE005	DUROMETER 60/70 + 5 SHORE A
18	INTERIOR CORNER FIN	6063-T6	7000-121		73	BULB GASKET 3/8" SLIDE		WW7000-NE007	DUROMETER 60/70 + 5 SHORE A
19	EXTERIOR CORNER FEMALE MULLION	6063-T6	7000-122		74	EXPANSION JOINT GASKET		WW7000-NE001	DUROMETER 60/70 + 5 SHORE A
20	INTERIOR CORNER FIN	6063-T6	7000-123		75	1 7/8" x 1/4" SETTING BLOCK	EPDM		
21	INTERIOR CORNER FEMALE MULLION	6063-T6	7000-124		76	5/16-12 SELF TAPPING SCREW SAE GRADE 5			SCREWS SPACED 3 .75" O.C.
22	INTERIOR CORNER MALE MULLION	6063-T6	7000-125		77	ST-1: 3/4" THK. REINFORCEMENT	A50 STEEL		Fy = 50 ksi
23	CHICKEN HEAD SUB-SILL	6063-T6	7000-126		78	ST-2: 1/4" THK. REINFORCEMENT	A36 STEEL		Fy = 36 ksi
24	SILL	6063-T6	7000-127		79	ST-4: 1/2" THK. REINFORCEMENT	A50 STEEL		Fy = 50 ksi
25	HORIZONTAL MULLION	6063-T6	7000-128		80	#12 X 1" PHILLIPS PAN HEAD SMS	STAINLESS STEEL		
26	HORIZONTAL BUTT GLAZED	6063-T6	7000-129		81	1/2 - 13 SAE GRADE 5 (F.H. OR HEXAGONAL)	STEEL		Fy = 92 ksi Fu = 120 ksi
27	HORIZONTAL BUTT GLAZED FIN	6063-T6	7000-130	6" LG. (2) AT EA. PANEL AT 1/4 POINT	82	5/8 - 11 SAE GRADE 5 (F.H. OR HEXAGONAL)	STEEL		Fy = 92 ksi Fu = 120 ksi
28	CRESCENT FEMALE MULLION	6063-T6	7000-131		83	1/4" X 3/4" LG. SMS	STAINLESS STEEL		Fy = 65 ksi Fu = 100 ksi
29	CRESCENT MALE MULLION	6063-T6	7000-132		84	7/16 - 14 X 1" LG. SAE GRADE 5	STEEL		Fy = 92 ksi Fu = 120 ksi
30	HEAD BUTT GLAZED	6063-T6	7000-133		85	ALUMINUM PANEL - 18 GA MIN.	3003-H14		
31	STACK JOINT COVER	6063-T6	7000-134						
32	CHICKEN HEAD WITHOUT COVER	6063-T6	7000-135						
33	SILL COVER	6063-T6	7000-136						
34	SILL COVER BUNGALOW	6063-T6	7000-137						
35	SLAB ANCHOR	6061-T6	7000-139						
35A	CORNER SLAB ANCHOR	6061-T6	7000-139A						
36	SERRATE WASHER	6061-T6	7000-140						
37	MULLION ANCHOR HOOK	6061-T6	7000-141						
38	MULLION ANCHOR FIST	6061-T6	7000-142						
39	ALUMINUM SPLI CE - AS-1	6061-T6	7000-143						
40	SHEAR ANCHOR PLATE	6061-T6	7000-144						
41	INSIDE CORNER ANCHOR FIST	6061-T6	7000-145						
42	OUTSIDE CORNER ANCHOR FIST	6061-T6	7000-146						
43	RAILING COVER	6063-T6	7000-149						
44	HORIZONTAL RAILING	6063-T6	7000-150						
45	# 14 X 11/2" LG. PH. SMS. 18-8 CW SERIES ASSY. SCREW	STAINLESS STEEL	-						
46	STRUCTURAL SILICONE	SILICONE	GE SSG 4600	SEE CHART SHEET 07					
47	TWO PART STRUCTURAL SILICONE	SILICONE	-						
48	EXTERIOR PRESSURE GASKET	EPDM	W5250-NS02	DUROMETER 70 + 5 SHORE A					
49	1 5/16" INSULATED LAMINATED GLASS	GLASS	-						
50	EXP. JT. GLASS SHELF ISOLATOR	RIGID VINYL	065-012						
51	CONT. SILICONE SEALANT AND BACKER-ROD	SILICONE	-						
54	THERMAL ISOLATOR	RIGID VINYL	065-018						
55	MULLION SEAL GASKET	EPDM	W5250-NE01						

REVISIONS

NO.	DATE	DESCRIPTION
1	01/18/23	RENEWAL

MCY

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301
MIRAMAR FL 33027
P: 305.271.0117
F: 305.588.5224
www.MCYEngineering.com
MCY@mcyengineering.com

SERIES 7000 ALUMINUM CURTAIN WALL LMI / SMI

TECNOGLASS, LLC.
3550 NW 49TH STREET, MIAMI, FL 33142
Phone (305) 342-0890 Fax (786) 513-3965

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 23-0208.01
Expiration Date: 06/06/2028
By: Manuel Perez
Miami Dade Product Control

YIPING WANG, P.E.
FLORIDA REGISTRATION
No. 55583
C.A.N. 28877

February 08th, 2023

DATE	01/18/2023
SCALE	AS NOTED
DRAWN	A.R.
PROJECT	MCY15-087
DRAWING NO.	AD12-64
SHEET 38 OF 38	