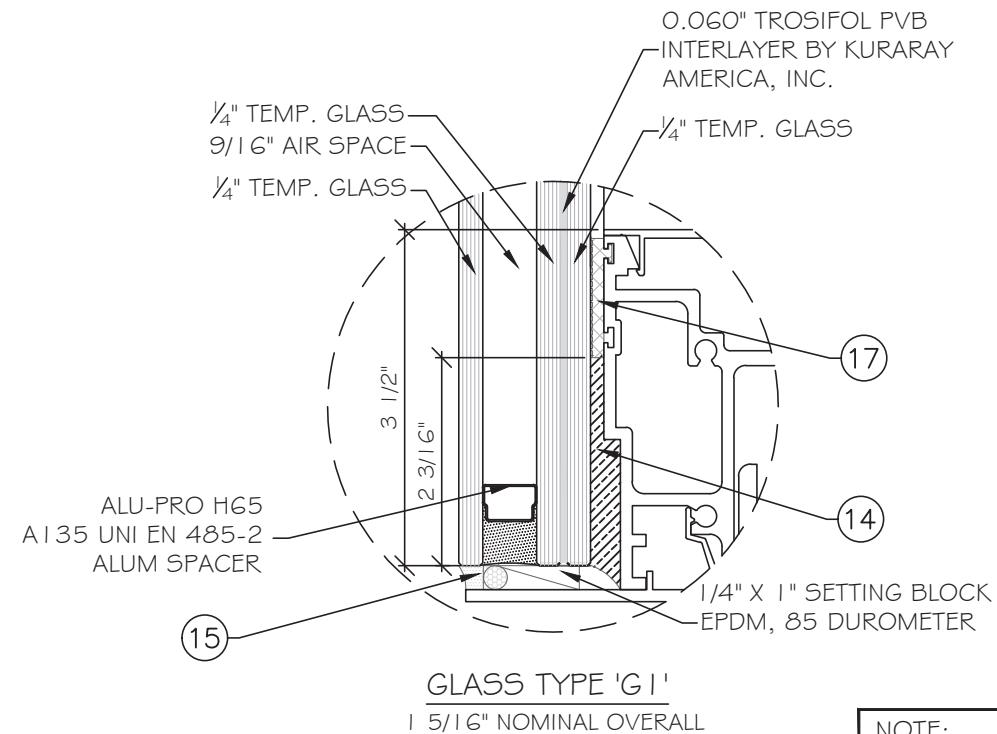


SERIES 4074 ALUMINUM WINDOW WALL
SMALL MISSILE IMPACT



NOTE:
GLASS COMPLIES WITH ASTM E 1300-09
(3 SEC. GUSTS).

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION FLORIDA BUILDING CODE (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOW WALL RATED FOR SMALL MISSILE IMPACT. IMPACT RESISTANT SHUTTERS ARE REQUIRED FOR INSTALLATIONS UP TO 30 FT OF GRADE. SHUTTERS ARE NOT REQUIRED FOR INSTALLATIONS ABOVE 30 FT OF GRADE.
- THESE WINDOWS 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 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.
- 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.
- SEALANTS:
ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICON SEALANT.

INSTRUCTIONS:
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.
- STEP 2: SEE TYPICAL ELEVATION AND DESIGN LOAD ON SHEET E1.
- STEP 3: SEE SHOWN ABOVE FOR GLASS TYPE.
- STEP 6: THE LOWEST VALUE RESULTING FROM STEPS 2 SHALL APPLY TO ENTIRE SYSTEM.

ABBREVIATIONS AND SYMBOLS

D.L.O. - DAYLITE OPENING	CL - CENTER LINE
F.H. - FRAME HEIGHT	S.S. - STAINLESS STEEL
F.W. - FRAME WIDTH	H.S. - HEAT STRENGTHENED
LG. - LONG	SSG - STRUCTURAL SILICONE
STL. - STEEL	GLAZED
ALUM. - ALUMINUM	TEMP. - TEMPERED
MULL. - MULLION	O.C. - ON CENTER
HORIZ. - HORIZONTAL	SECTION NUMBER
W/ - WITH	
W/O - WITHOUT	
G.B. - GLASS BITE	SHEET NUMBER

LIMITATIONS OF USE

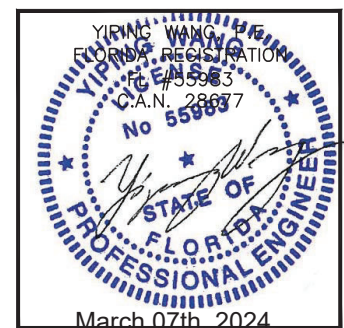
THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT. I.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.

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.

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

SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD. O.E.R. FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.

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



SERIES 4074 WINDOWS WALL SMI

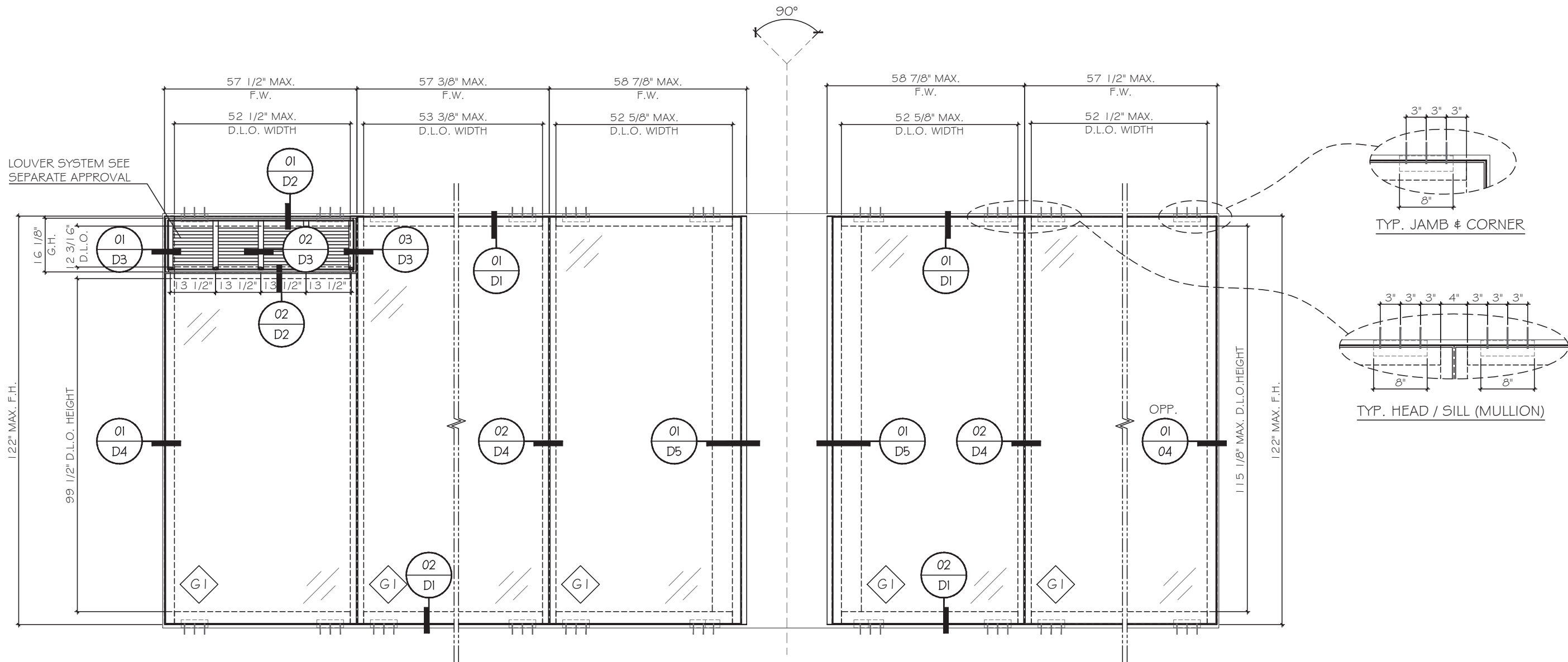
CONTINENTAL GLASS SYSTEMS, INC.
325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

 **MCY ENGINEERING, INC.**
GLAZING CONSULTANTS

MIRAMAR PARKWAY 301
MIAMI, FL 33027

P: 305.271.0100

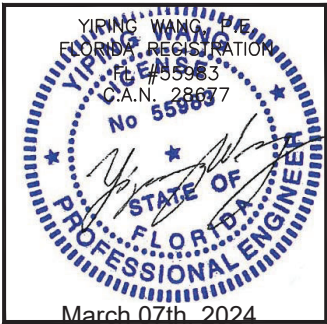
www.MCYEngineering.com MCY@MCYENGINEERING.COM



TYPICAL EXTERIOR ELEVATION

MAX. ALLOWABLE
DESIGN LOAD-PSF
+/- 105

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



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Rev. No.	Date	Drawn By	Description
01	03.05.2024	JAMES	NEW APPROVAL

Drawn Date
03.05.2024

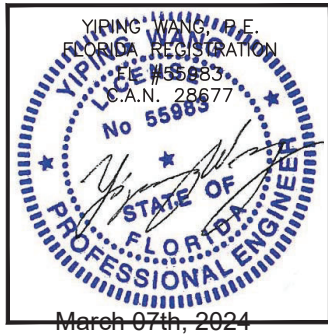
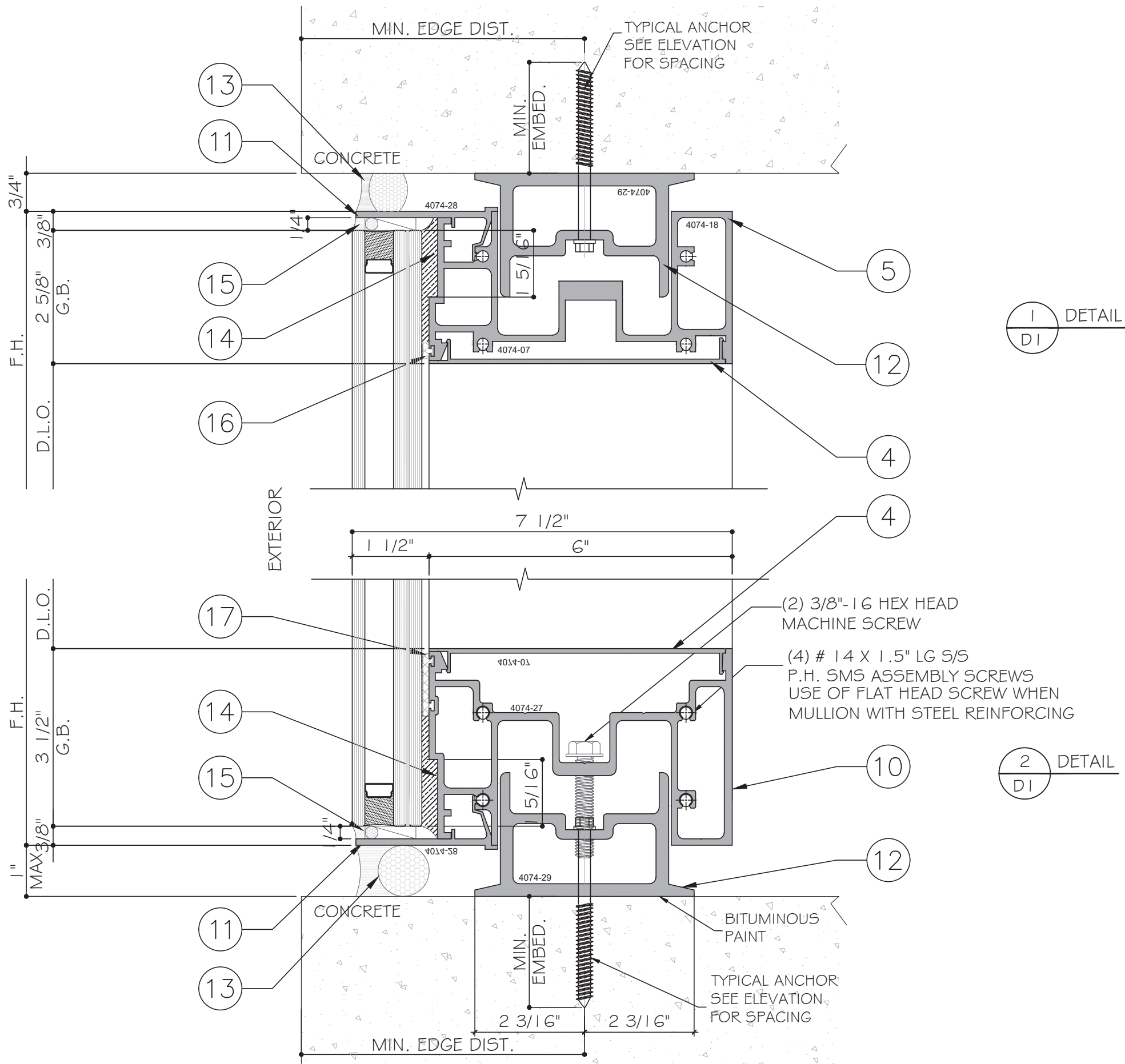
Scale

FL31267
DRAWING NO.

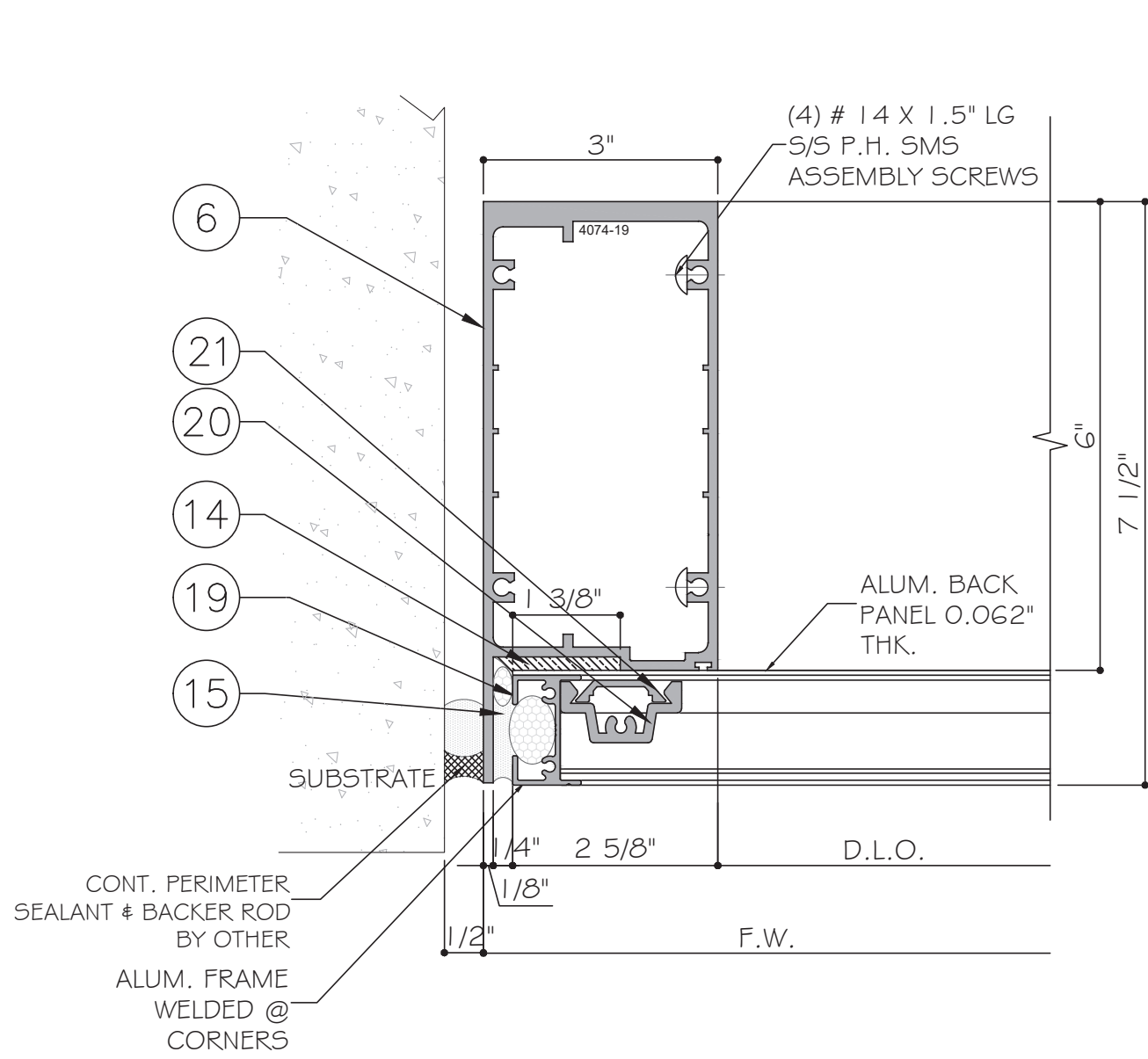
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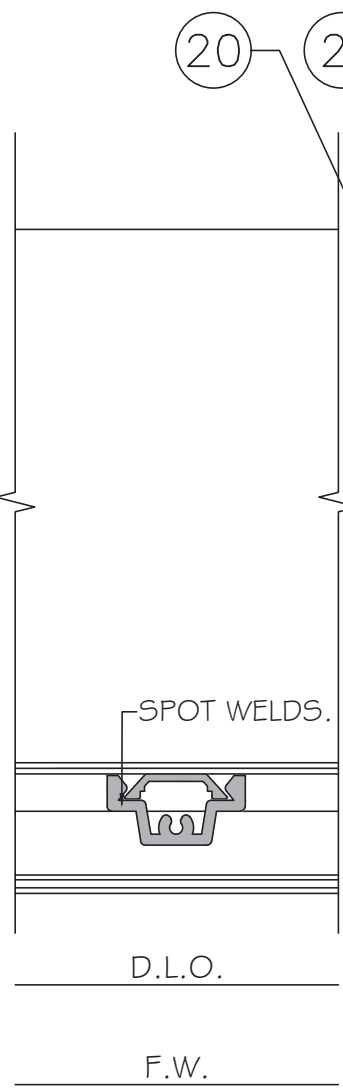
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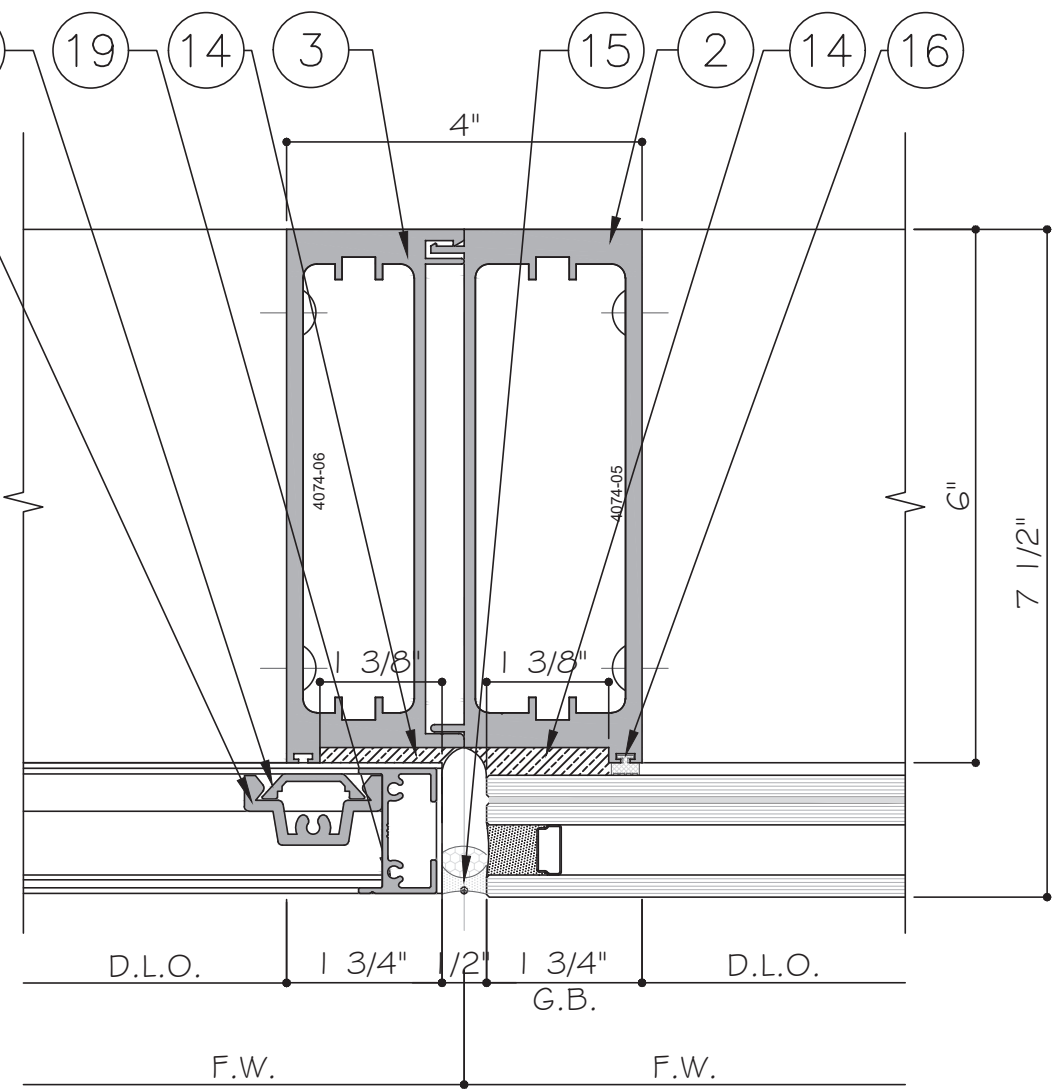
MCY ENGINEERING, INC. GLAZING CONSULTANTS MIRAMAR PARKWAY 301 MIAMI, FL 33027 P: 305.271.0117 www.MCYEngineering.com			
SERIES 4074 WINDOWS WALL SMI CONTINENTAL GLASS SYSTEMS, INC. 325 WEST 74 PLACE, HIALEAH, FL 33014 TEL. (305) 231-1101 FAX. (305) 231-1103			
Drawn Date 03.05.2024	Scale	Rev. No.	Description
01	03.05.2024	JAMES	NEW APPROVAL
Drawn By Date Rev. No.		Description	
Drawn Date 03.05.2024		Scale	
Drawing No. FL31267			
Drawing No. AD24-04			
Sheet No. D1			
Sheet No. 3 OF 11			



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DETAIL

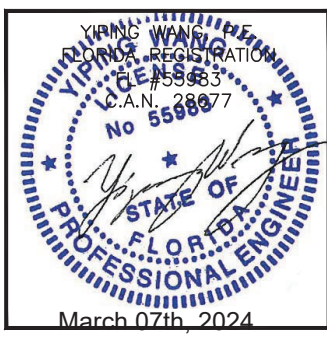


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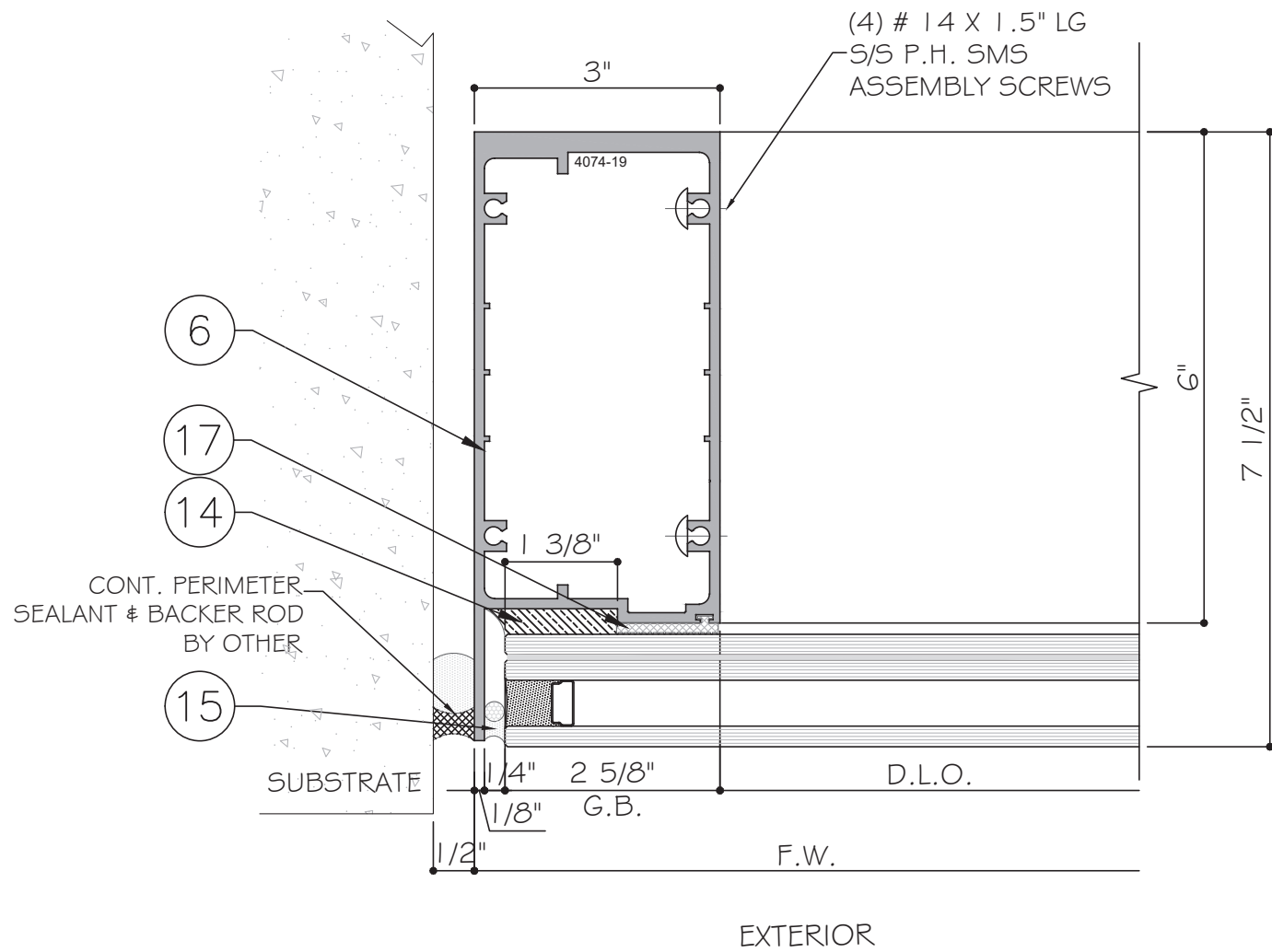


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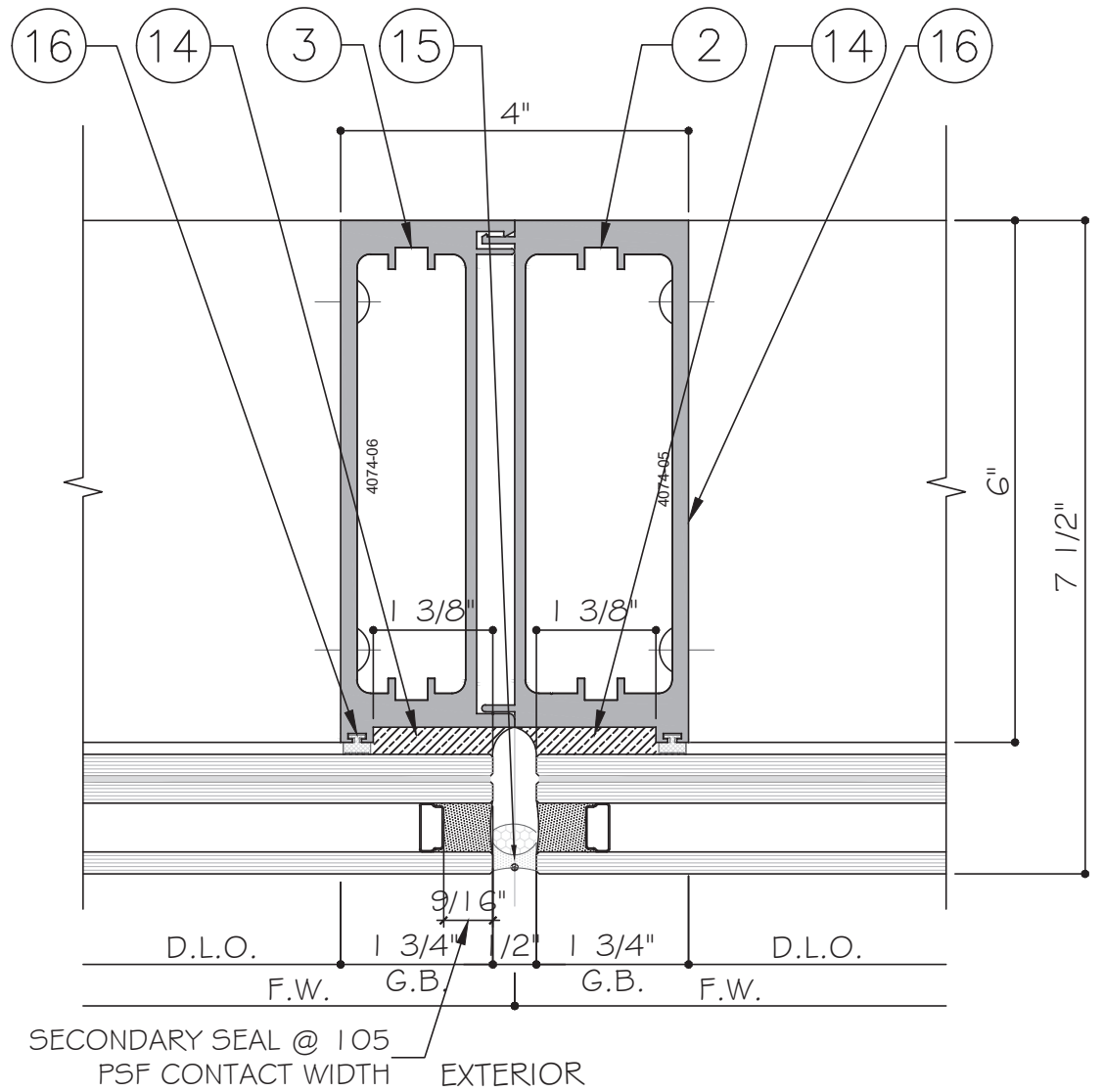


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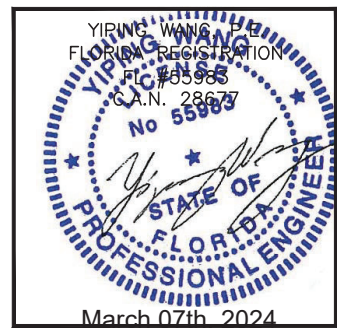
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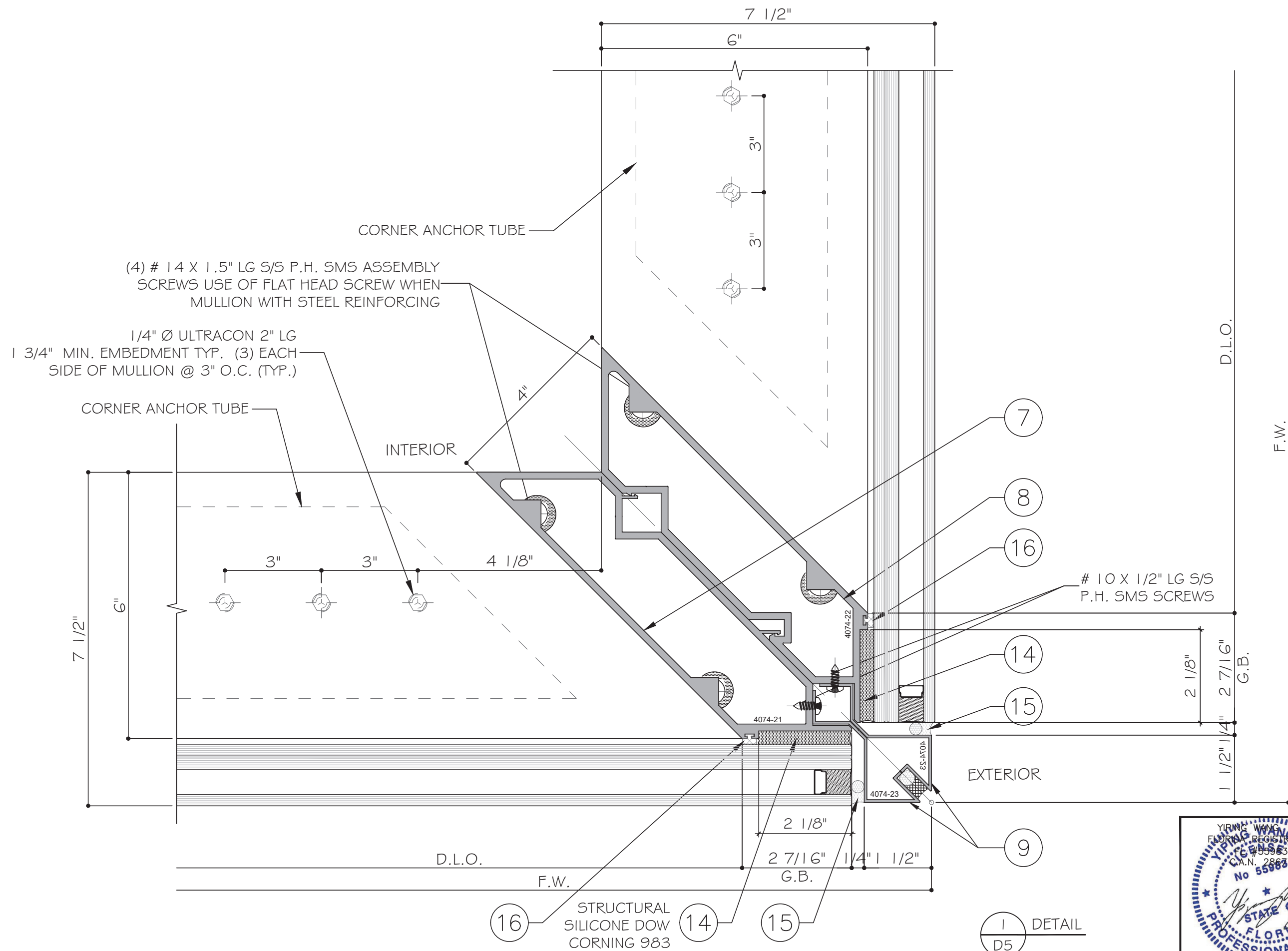


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TYPE "A": 1/4" DIA. ULTRACON+ BY 'DEWALT' (F_U = 164 KSI, F_y = 148 KSI)
DIRECTLY INTO CONCRETE
WITH 1 3/4" MIN. EMBED INTO CONCRETE

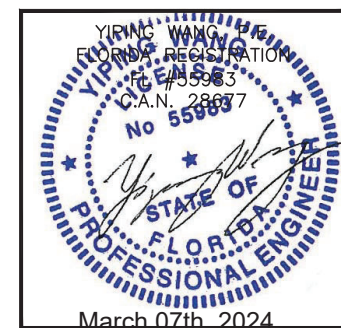
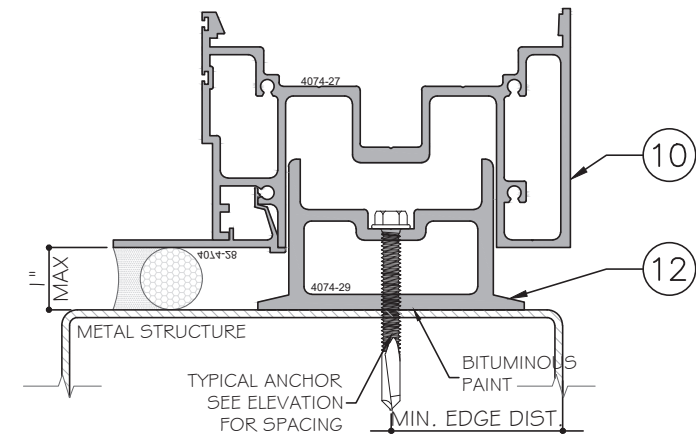
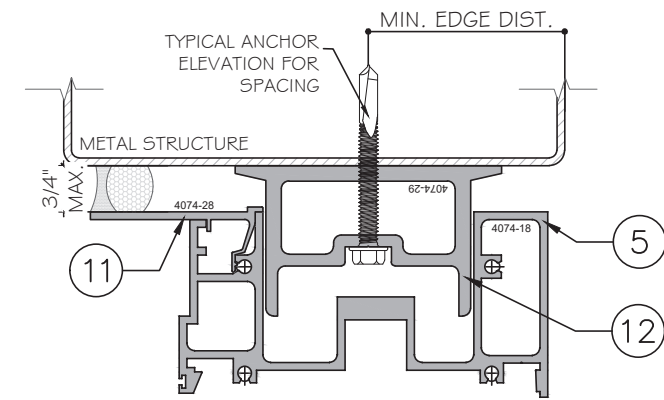
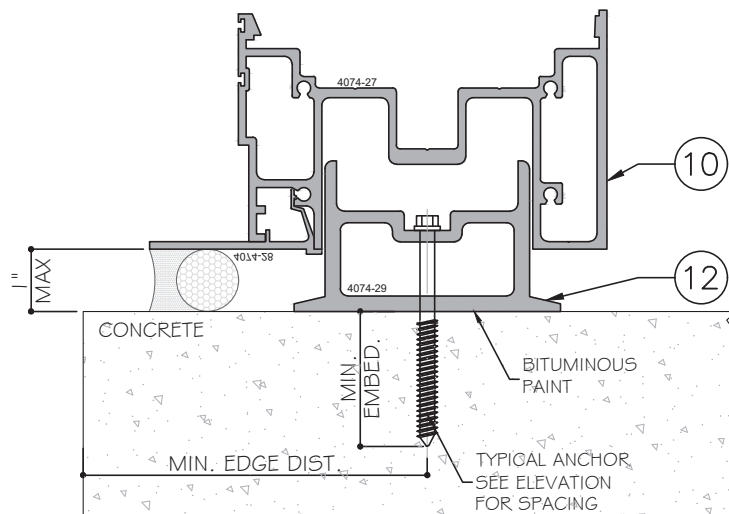
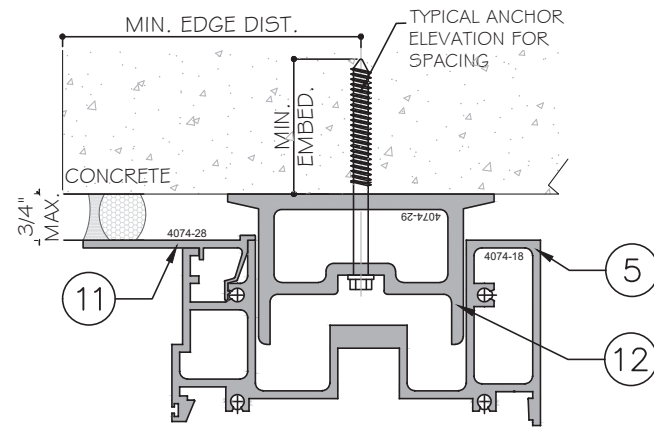
TYPE "B": 1/4" SMS OR SELF DRILLING SCREW (GRADE 5) (F_u=120 KSI, F_y=90 KSI)
INTO APPROVED MULLIONS
INTO METAL STRUCTURE

STEEL: 1/6 GA. MIN. (F_y=36 KSI MIN.)
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PANTED)

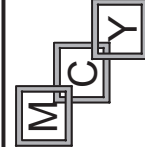
TYPICAL ANCHOR EDGE DISTANCE:
 INTO CONCRETE AND MASONRY = 2 1/2" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE $f'_c = 5000$ psi MIN.

METAL STRUCTURES BY OTHERS MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.



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GLAZING CONSULTANTS



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MIAMI, FL. 33027	
erling.com	MCY@MCYENGINEERING.COM

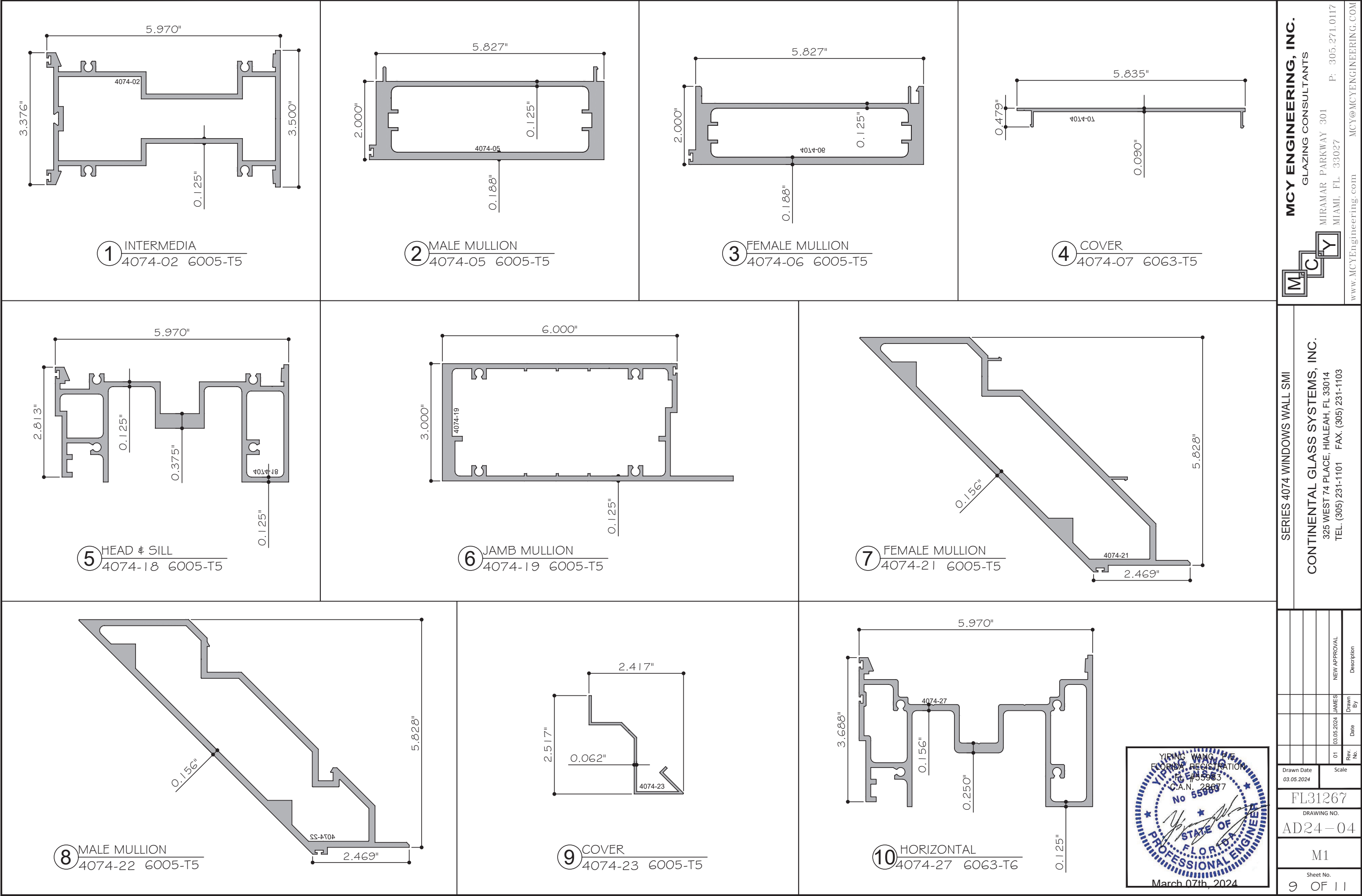
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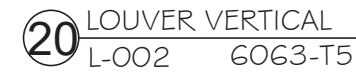
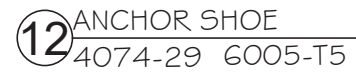
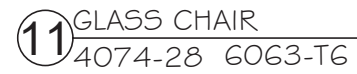
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BILL OF MATERIALS

[illegible]