

ELITE DOORS AND WINDOWS INC.
SPA 100 SLIDING GLASS DOOR SYSTEM - L.M.I.

GENERAL NOTES:

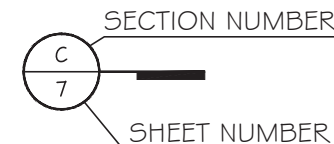
- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION FLORIDA BUILDING CODE (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOORS ARE RATED FOR LARGE AND SMALL MISSILE IMPACT. LMI SYSTEM TO BE USED FOR INSTALLATIONS UP TO 30 FT OF GRADE. FOR ABOVE 30 FT OF GRADE, SMI TO BE USED. IMPACT SHUTTERS ARE NOT REQUIRED.
- THESE SLIDING GLASS DOORS 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.

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 E I FOR TYPICAL SLIDING GLASS DOOR ELEVATION.
- STEP 3: SEE SHEET A I FOR ANCHOR OPTIONS. SEE SHEET E I FOR NUMBER OF ANCHORS REQUIRED.
- STEP 4: THE LOWEST VALUE RESULTING FROM STEPS 2 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

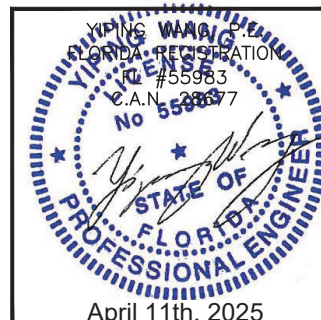


LIMITATIONS OF USE

- 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 ENGINEER OF RECORD. ACTING AS A DELEGATED ENGINEER TO THE P.E.D ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- 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 47442

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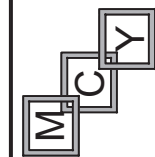
SPA100 Sliding Glass Door System - L.M.I.\$S.M.I.

ELITE DOORS AND WINDOWS, INC.

TEL: 310 487 3334
EMAIL: Gino@elitedoorswinds.com

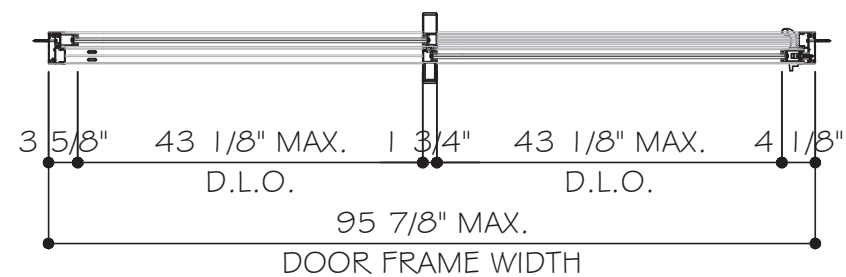
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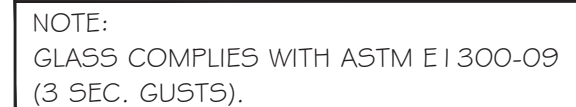


12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027 P: 305 271 0117

www.MCYEngineering.com mcy@mcyengineering.com



DESIGN LOADS
(FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC)
+80 PSF
-80 PSF

[illegible]

TYPICAL ANCHOR TYPES:
SEE ELEVATIONS FOR SPACING

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

INTO HOLLOW BLOCK(JAMB ONLY)
WITH 1 1/4" MIN. EMBED

INTO GROUT FILLED BLOCKS(JAMB ONLY)
WITH 1 3/4" MIN. EMBED

TYPE "B": 1/4" SELF DRILLING SCREW(GRADE 5) (Fu=120 KSI, Fy=90 KSI)
INTO APPROVED MULLIONS
(1/8" THK. MIN.) INTO METAL STRUCTURE

STEEL: 1/8" MIN. ($F_y=36$ KSI MIN.)

ALUMINUM: 1/8" THK. MIN. (6063-T6 MIN.)

(STEEL IN CONTACT WITH ALUMINUM TO BE ISOLATED OR PAINTED)

TYPICAL ANCHOR EDGE DISTANCE:

INTO CONCRETE AND MASONRY = 2 1/2" MIN.

INTO WOOD STRUCTURE = 1" MIN.

INTO METAL STRUCTURE = 3/4" MIN.

WOOD SG = 0.55 MIN.

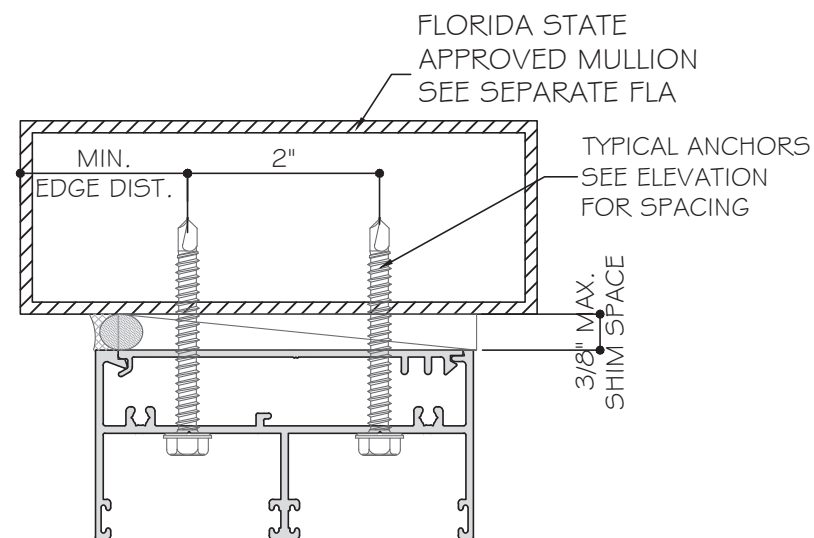
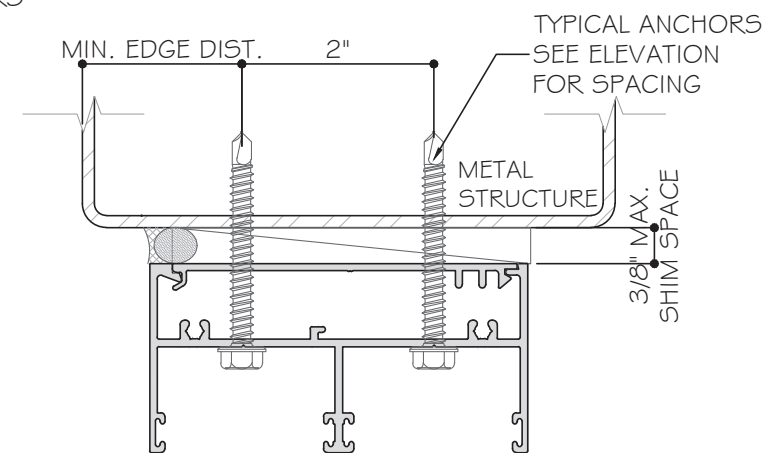
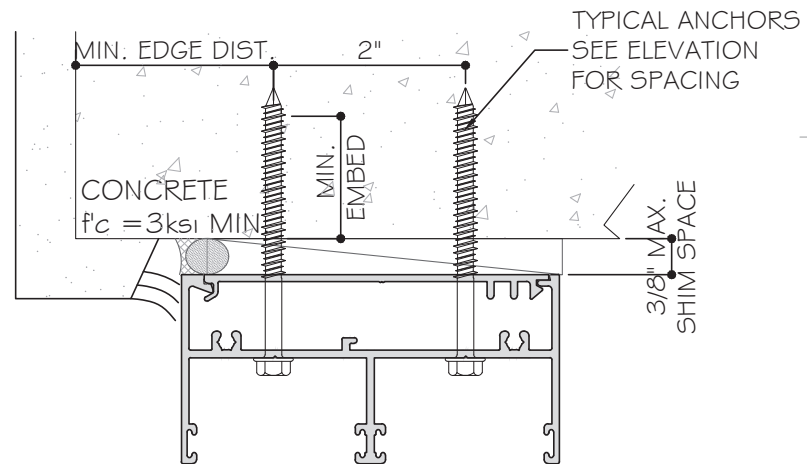
CONCRETE $f'_c = 3000 \text{ psi MIN.}$

C-90 HOLLOW/FILLED BLOCK $f'_m = 2000 \text{ psi MIN.}$

NORMAL STRENGTH CMU(AT JAMB ONLY)

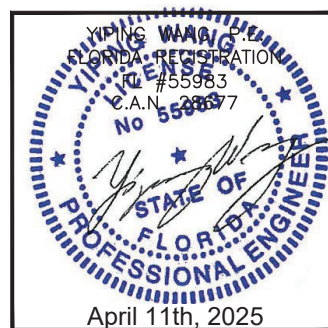
GLAZING BEAD AT FRAME SILL SEALED TO GLASS WITH DOW CORNING 791.
FRAME CORNERS SEALED WITH DOW CORNING 791 OR EQUAL COMPATIBLE

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



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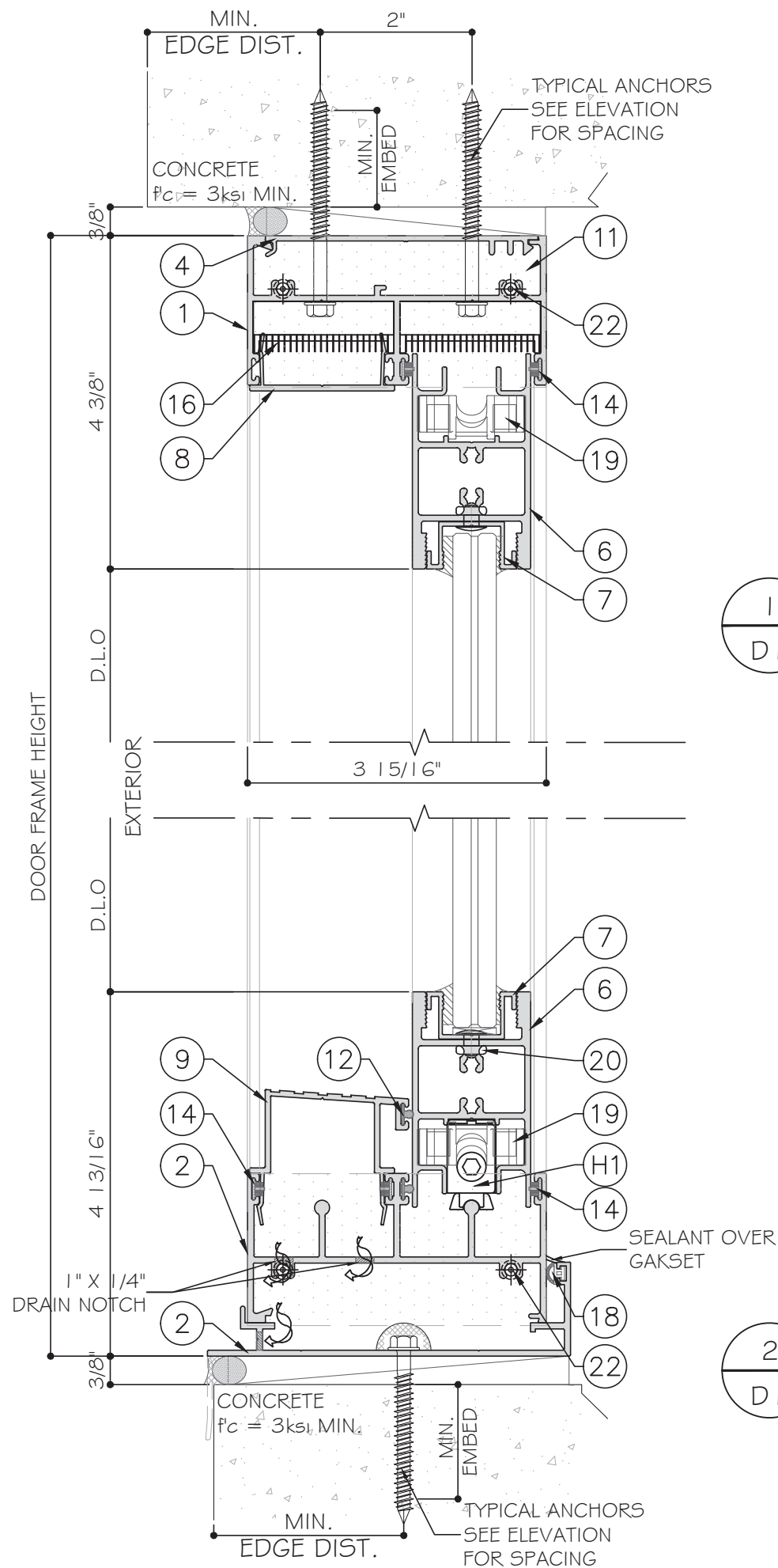
ELITE DOORS AND WINDOWS, INC.
1780 CORONA AVENUE VERNON CALIFORNIA 90084

TEL. 310 487 3334
EMAIL: Gino@elitedoorswindo

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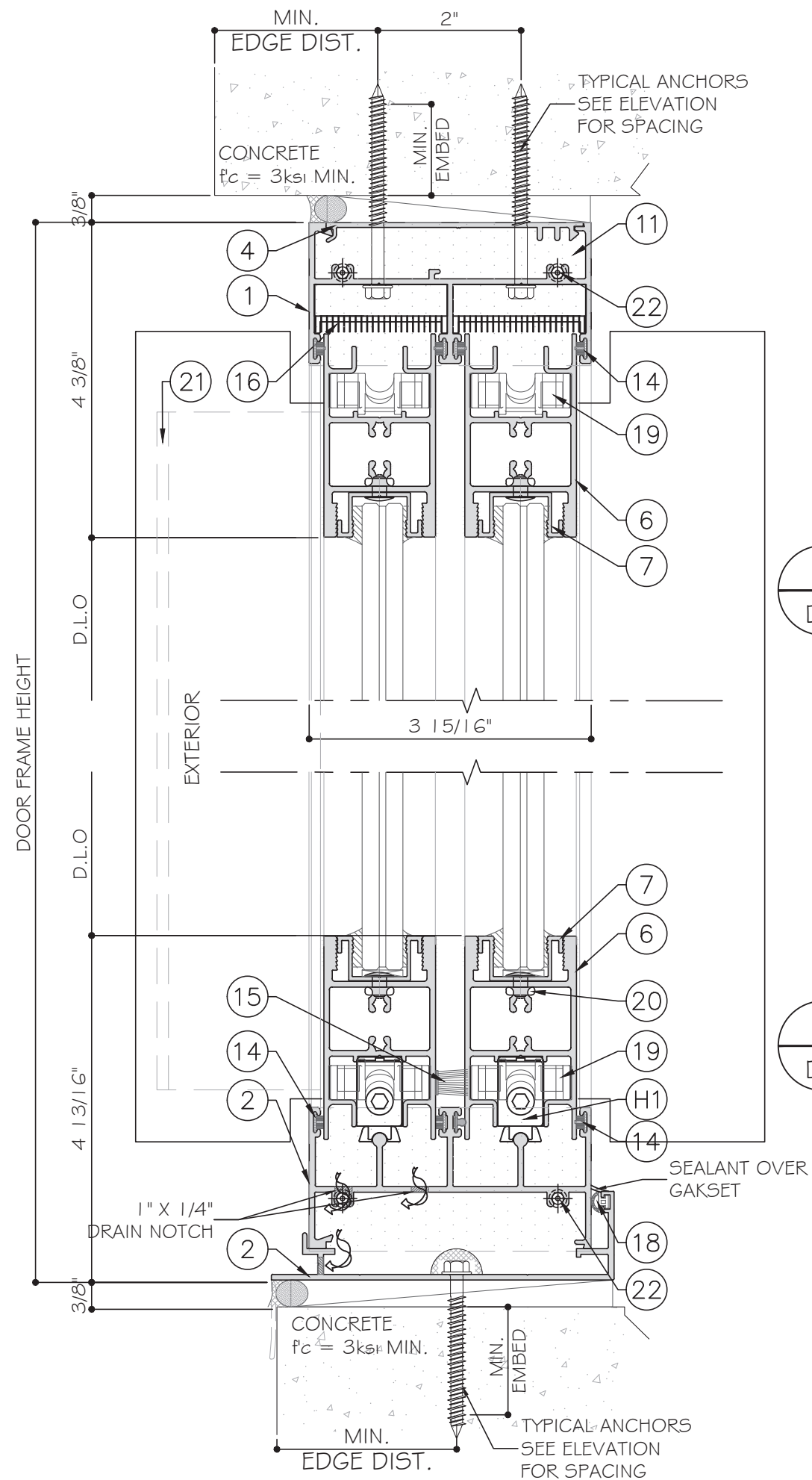
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MIRAMAR FL 33027 D.

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1 HEAD DETAIL
DI

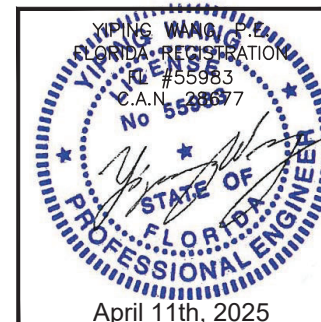
2 SILL DETAIL
DI



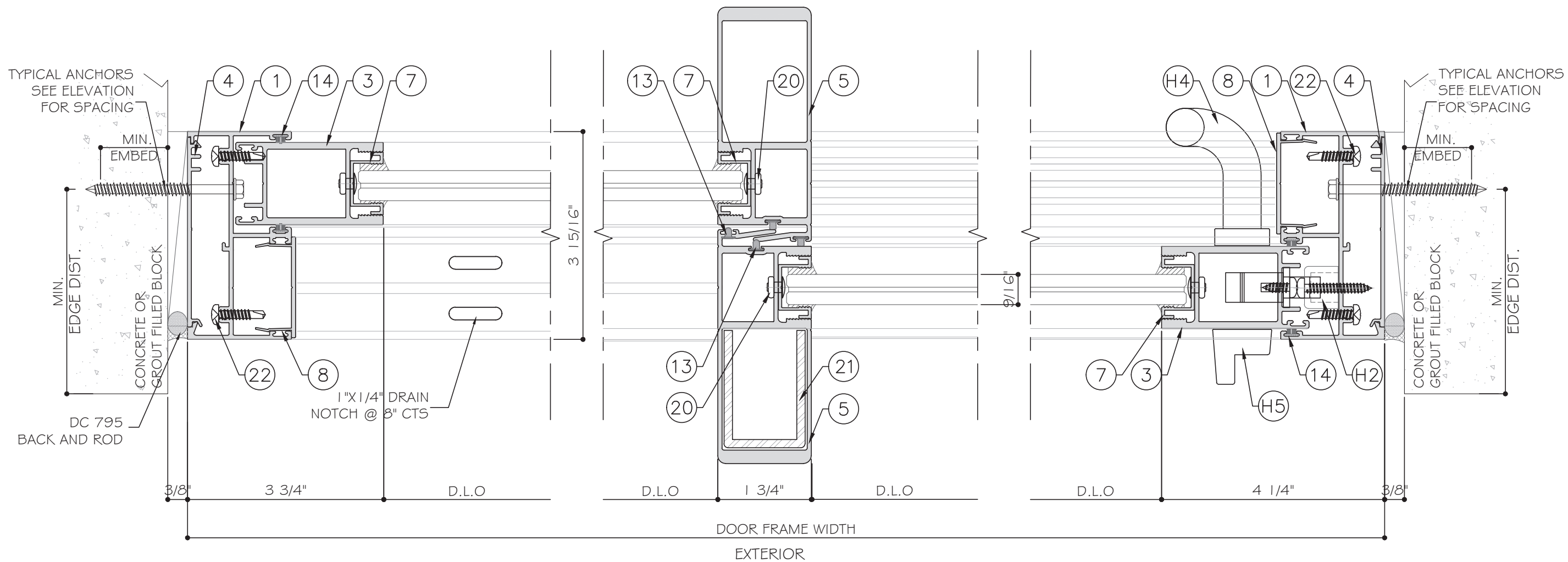
3 HEAD DETAIL
DI

4 SILL DETAIL
DI

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Rev. No.	Date	Drawn By	Description
R0	04.08.2025	James	NEW APPLICATION
Drawn Date: 04.08.2025			
SCALE: AS SHOWN			
DRAWING NO. AD25-23			
D1			
Sheet No. 4 OF 8			

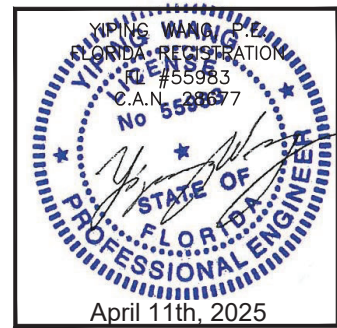


1 JAMB DETAIL
D2

2 INTERLOCK DETAIL
D2

3 JAMB DETAIL
D2

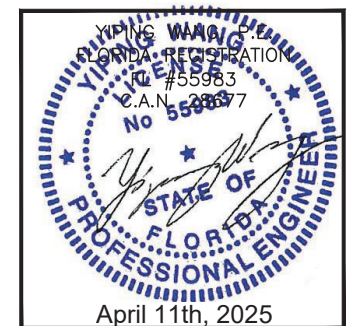
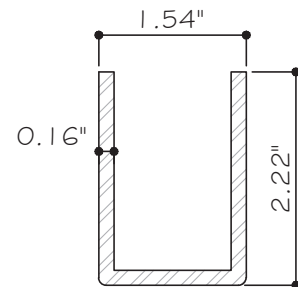
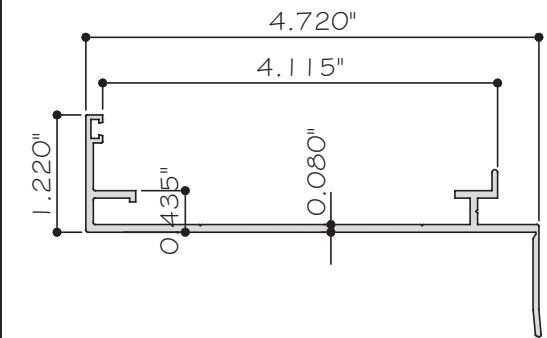
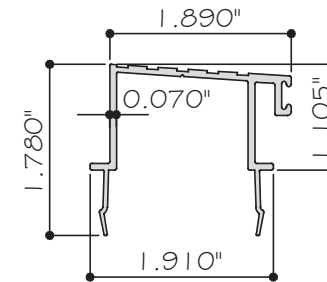
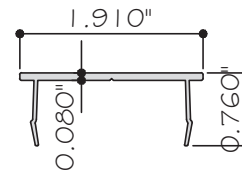
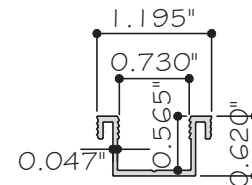
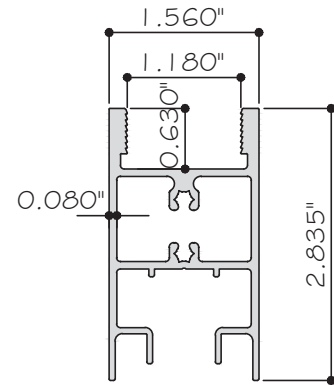
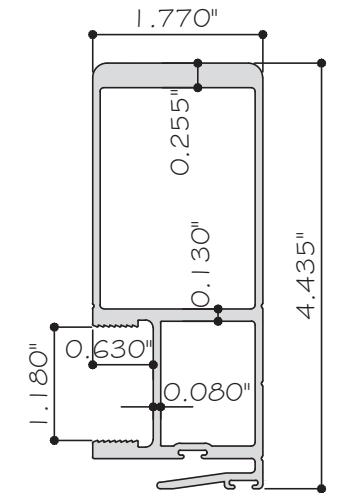
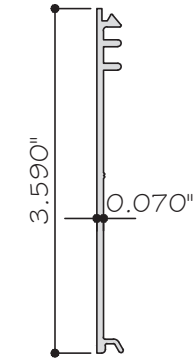
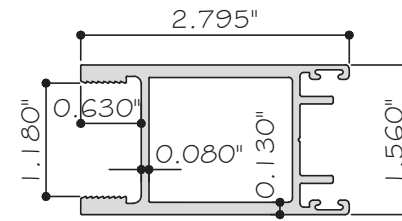
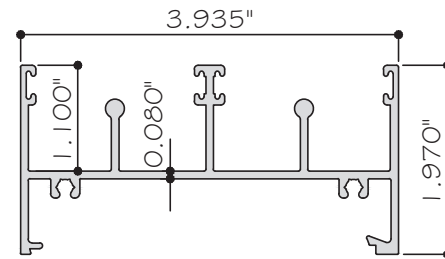
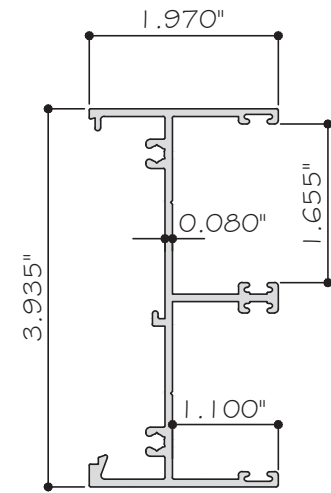
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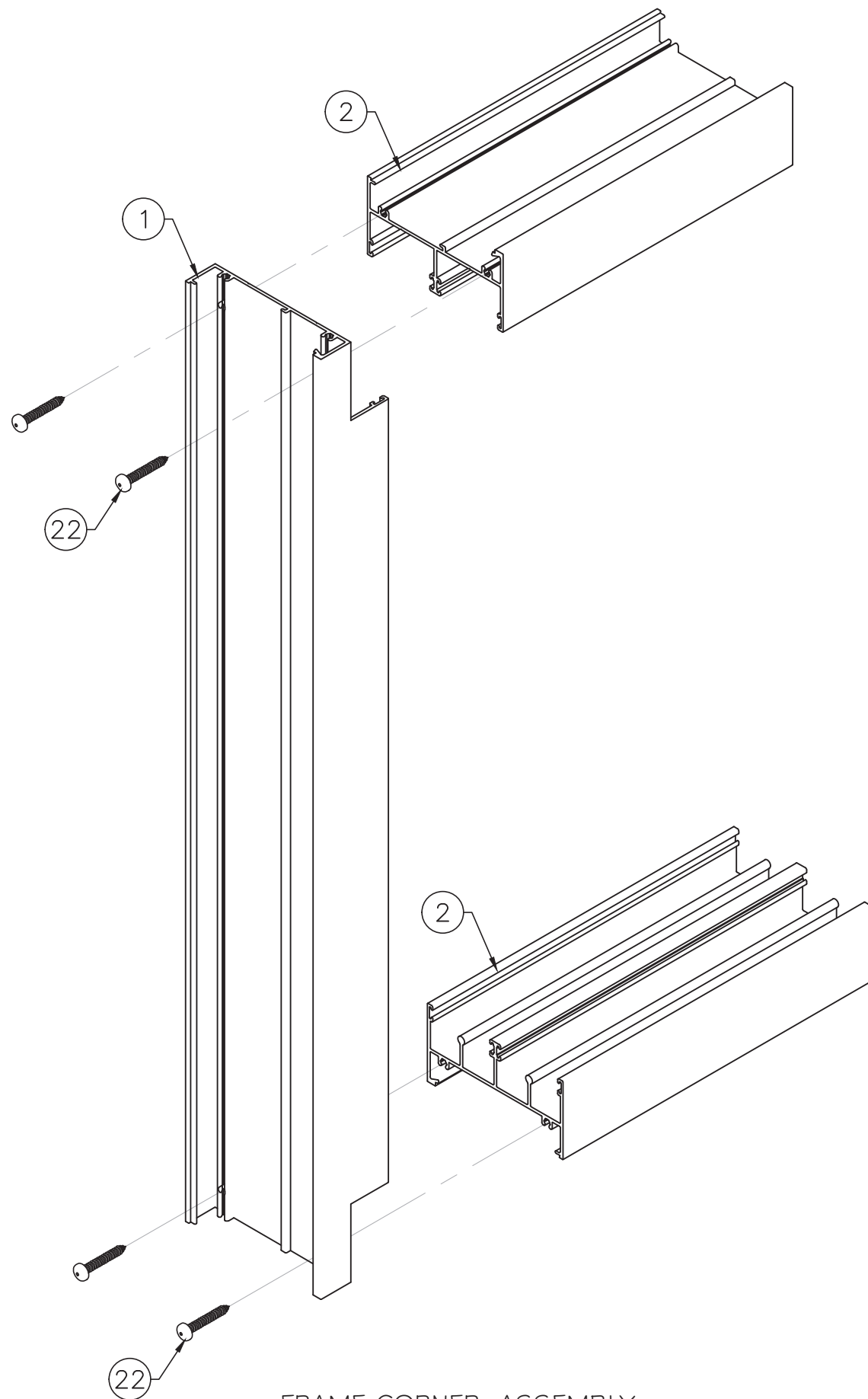


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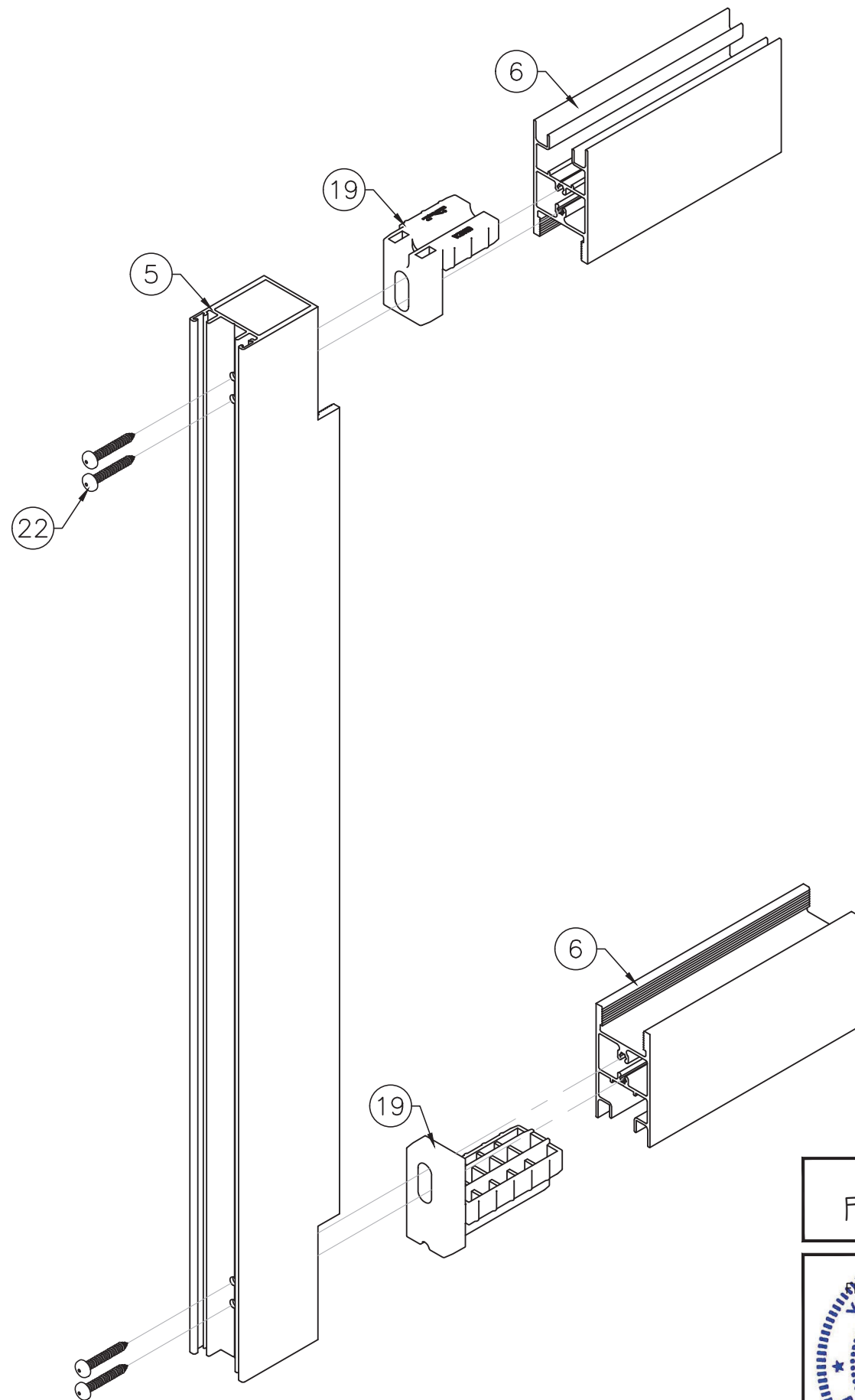
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04.08.2025	AS SHOWN	AD25-23	5 OF 8

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GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027
P: 305 271 0117
www.MCYEngineering.com
mcy@mcyengineering.com

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FRAME CORNER ASSEMBLY



PANEL CORNER ASSEMBLY

FLORIDA APPROVAL:
FL 47442

YOUNG WANG, P.E.
FLORIDA REGISTRATION
No. 55887
STATE OF FLORIDA
PROFESSIONAL ENGINEER

April 11th, 2025

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

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MIRAMAR, FL 33027 P: 305 271 0117
www.MCYEngineering.com mcy@mcyengineering.com

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R0	04.08.2025	James	NEW APPLICATION

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ASSEMBLY

Sheet No.
8 OF 8