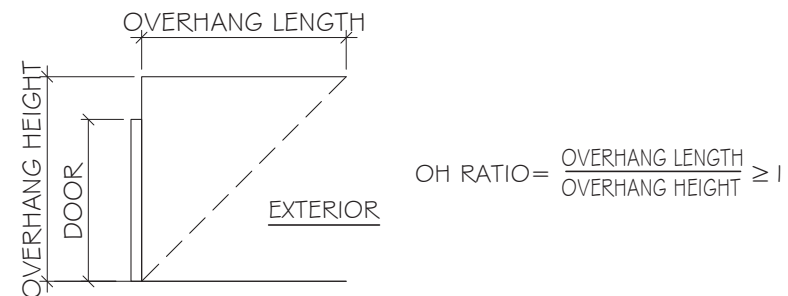


SHANGHAI YY WINDOWS
SERIES YY100T THERMAL BREAK HINGED DOOR
LARGE MISSILE IMPACT

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION OF FBC 2023/9TH EDITION OF FBC 2026 INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOORS ARE RATED FOR LARGE MISSILE IMPACT. LARGE MISSILE IMPACT SYSTEM TO BE USED UP TO 30FT OF GRADE. IMPACT SHUTTERS ARE NOT REQUIRED.
- 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 OF FBC 2023/9TH EDITION OF FBC 2026 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.
- ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICONE SEALANT.
- HARDWARE CHECKED FOR WIND LOAD IN CLOSED POSITION ONLY; OPERATION PER MANUFACTURER'S INSTRUCTIONS. DOORS MUST BE CLOSED AND SECURED WHEN A HURRICANE WARNING IS ISSUED.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING. COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.
- FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 35, OR EQUIVALENT CORROSION RESISTANCE).
- CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).



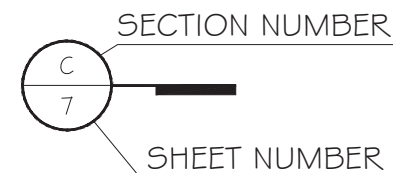
NOTE #1:
WHEN THE DOOR IS INSTALLED AT LOCATIONS
PROTECTED BY AN OVERHANG, AND THE OH RATIO
ABOVE IS EQUAL OR GREATER THAN 1. THERE ARE NO
WATER PENETRATION REQUIREMENTS FOR THE DOOR.

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 APPROVED TYPICAL ELEVATION & CONFIGURATION & DESIGN LOAD.
- STEP 3: ANCHOR OPTION SEE SHEET A I. ANCHOR SPACING SEE SHEET E I.
- 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

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.

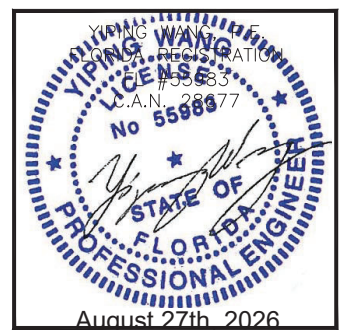
C-THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

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 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:

FL48304.1



MCY ENGINEERING, INC.
GLAZING CONSULTANTS

GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027 P:

1

www.MCSEngineering.com

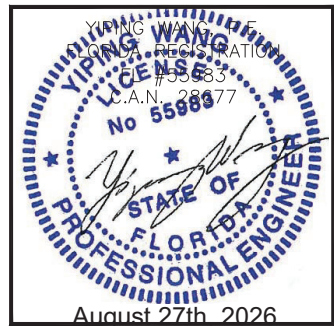
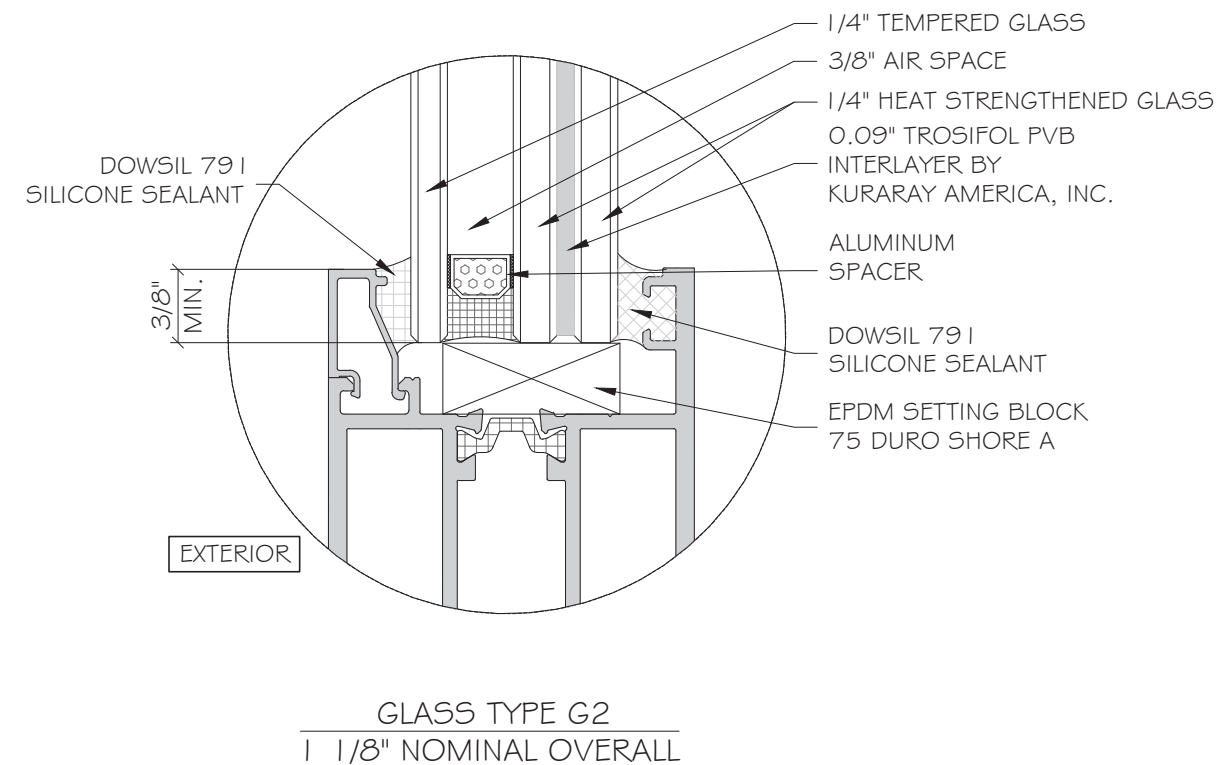
THE UNIVERSITY OF CHICAGO

SHANGHAI YI WINDOWS CO., LTD

NO. 9300 Hunan high way, PUDONG NEW AREA, SHANGHAI CHINA

TEL: +86 139 1616 7018
MAIL: wanne@wconstruction.com

E-MAIL: youme@yyconstruction.com[illegible]

[illegible]

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 12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027 P: 305 588 5252

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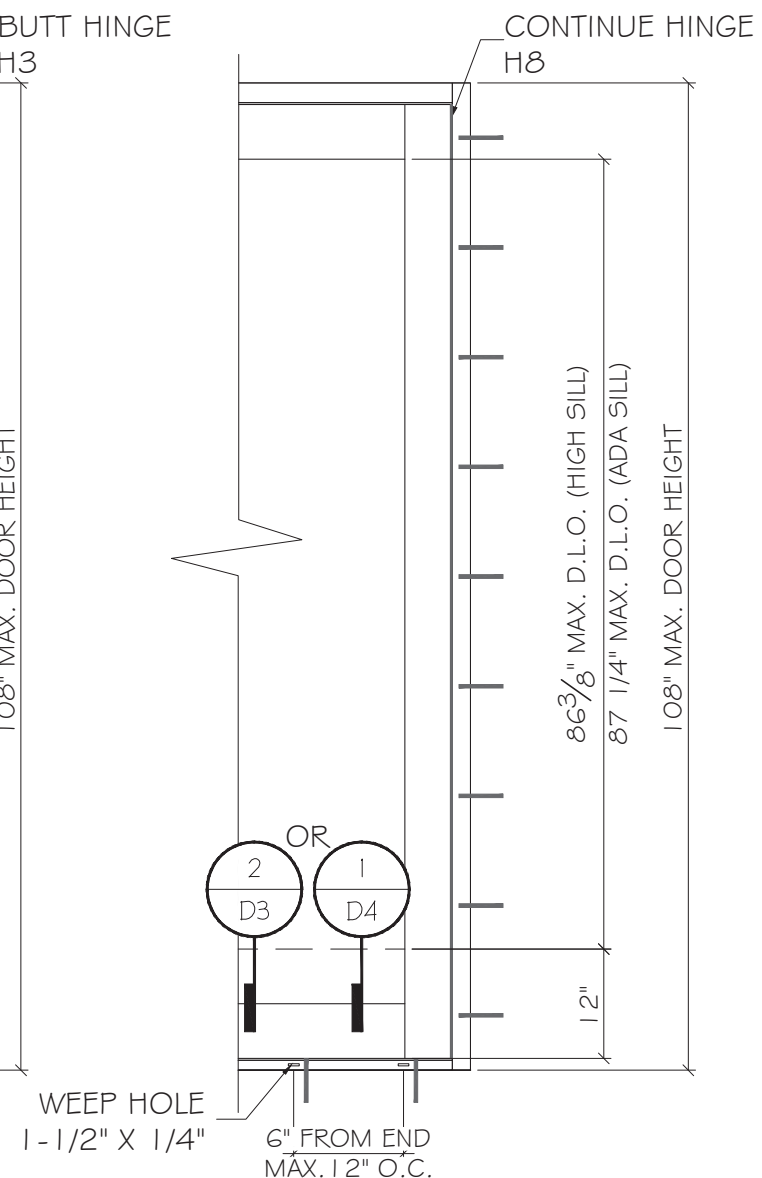
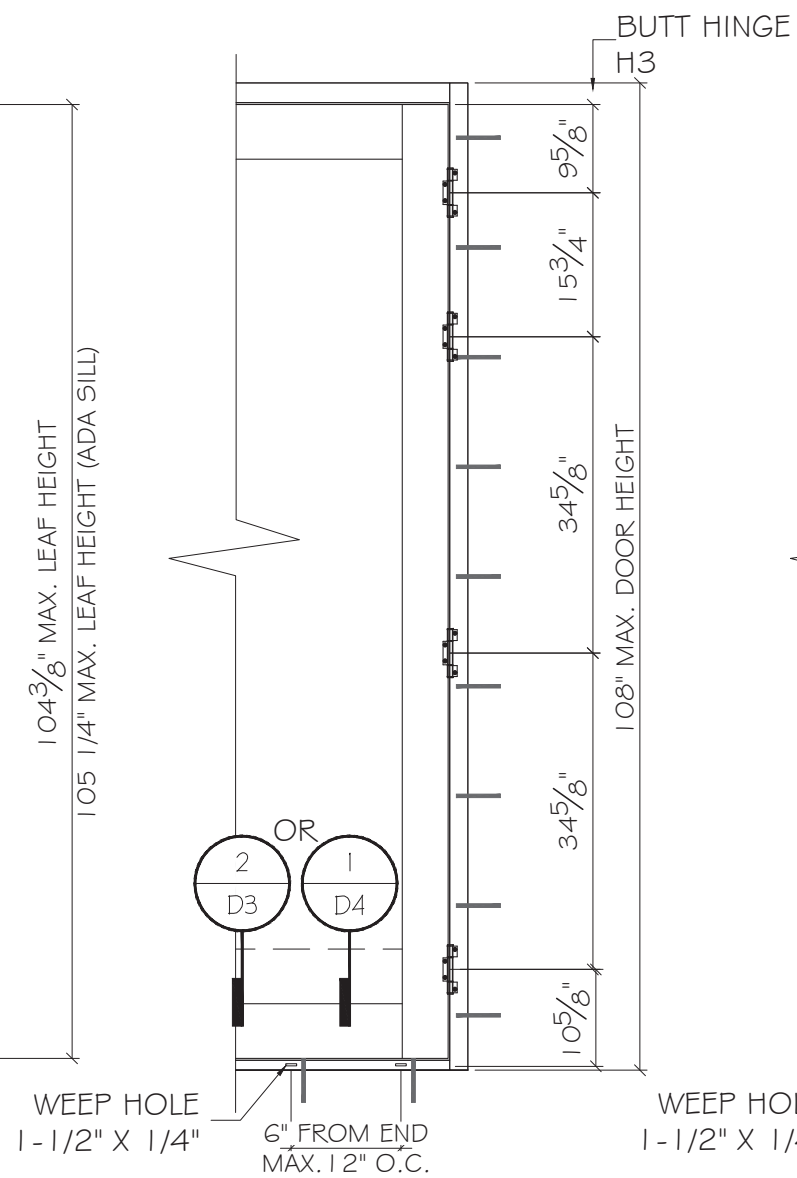
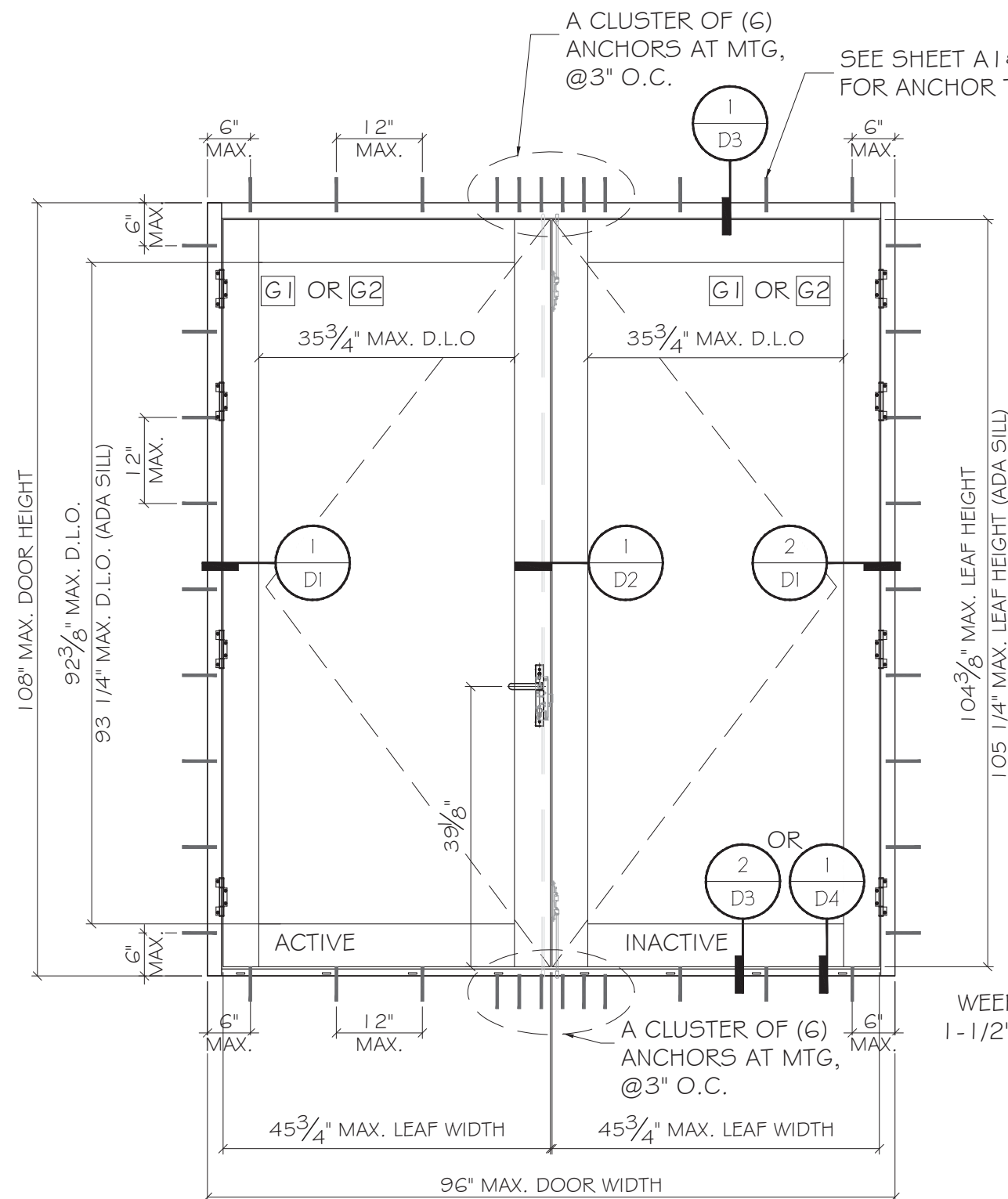
SERIES YY100 THERMAL BREAK HINGED DOOR-LARGE MISSILE IMPACT

SHANGHAI YY WINDOWS CO.,LTD

NO.9300 Hunan high way, PUDONG NEW AREA,SHANGHAI CHINA

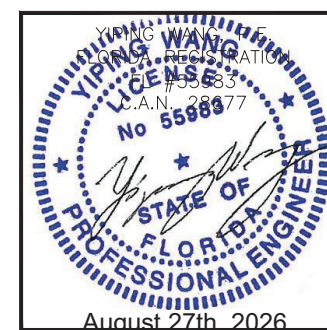
TEL.+86 189 1616 7018

EMAIL: yvonne@yyconstruction.com



FLORIDA APPROVAL:

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www.MCYEngineering.com mcv@mcvengineering.com

TYPICAL ANCHOR TYPES:
SEE ELEVATIONS FOR SPACING

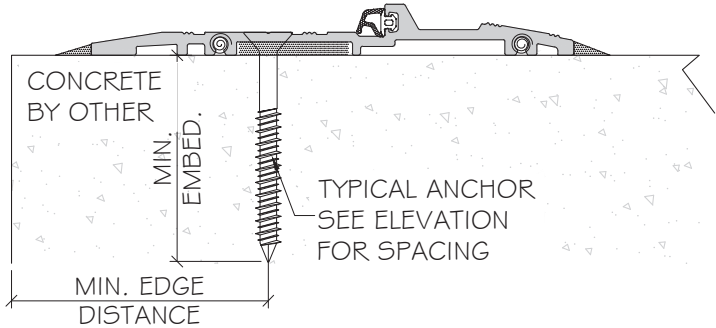
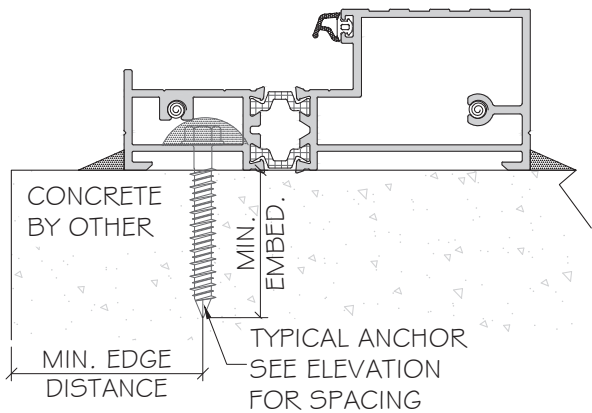
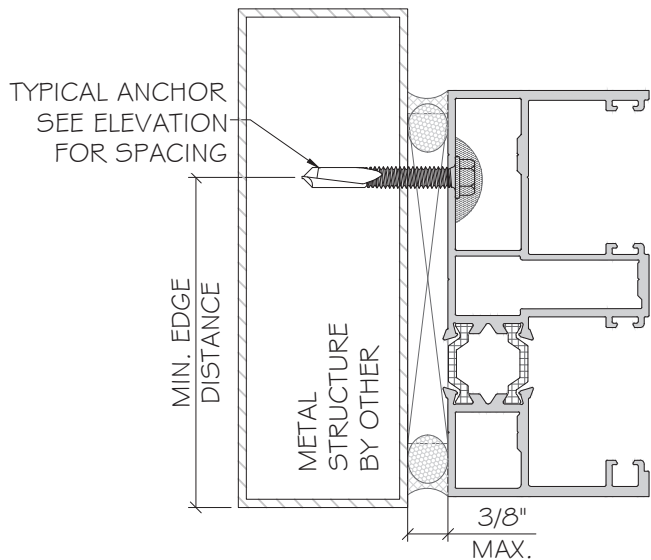
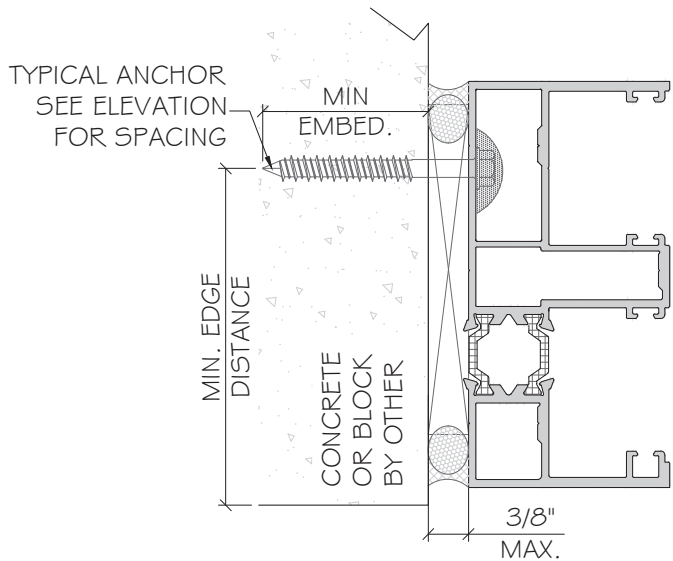
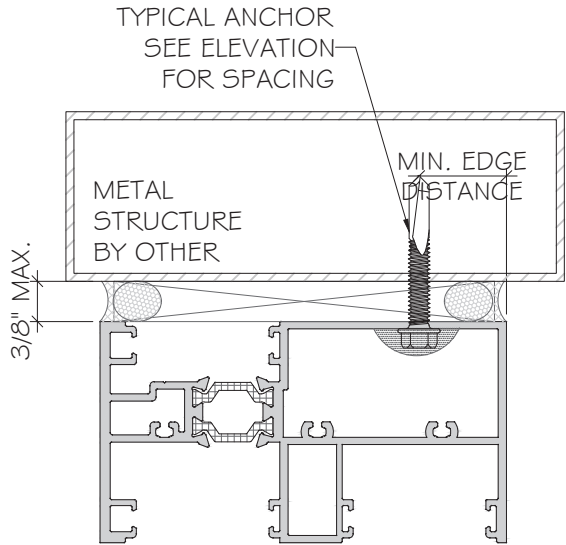
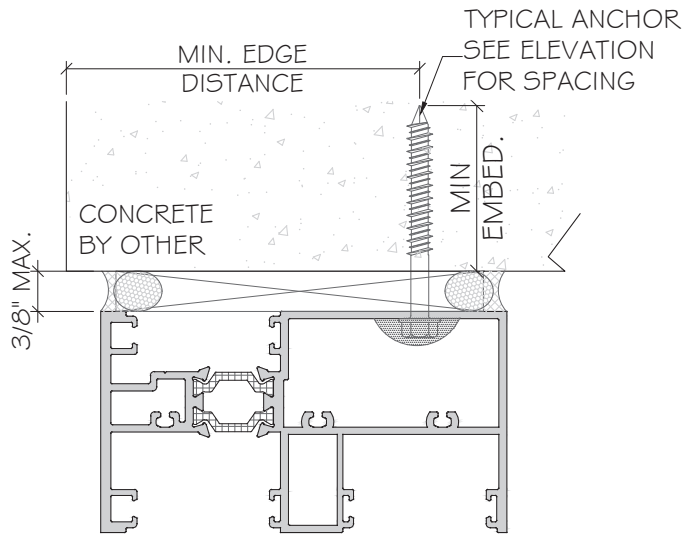
TYPE "A": 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu= 164 KSI, Fy= 148 KSI)
DIRECTLY INTO CONCRETE
WITH 1 3/4" MIN. EMBED INTO CONCRETE.
WITH 1 1/4" MIN. EMBED INTO HOLLOW BLOCK (JAMB ONLY)
WITH 1 3/4" MIN. EMBED INTO GROUT FILLED BLOCK (JAMB ONLY)

TYPE "B": 1/4" TEKS SELF-DRILLING SCREW (GRADE 5)
INTO FLORIDA APPROVED MULLIONS OR METAL STRUCTURES.
(3) THREAD MIN. PENETRATION BEYOND METAL STRUCTURE.
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PANTED).

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

CONCRETE f'c = 3000 PSI MIN.
12 GA. MIN. (Fy=36 KSI MIN.)
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)

NOTE:METAL STRUCTURES BY OTHERS TO BE DESIGNED TO
SUPPORT THE LOADS IMPOSED BY THIS SYSTEM AND TO
TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.



FLORIDA APPROVAL:
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YIPING WANG
REGISTERED PROFESSIONAL ENGINEER
No 55988
August 27th, 2026

MCY ENGINEERING, INC.
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MIRAMAR, FL 33027
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mcy@mcyengineering.com

SERIES YY100 THERMAL BREAK HINGED DOOR-LARGE MISSILE IMPACT

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EMAIL: yymc@yyconstruction.com

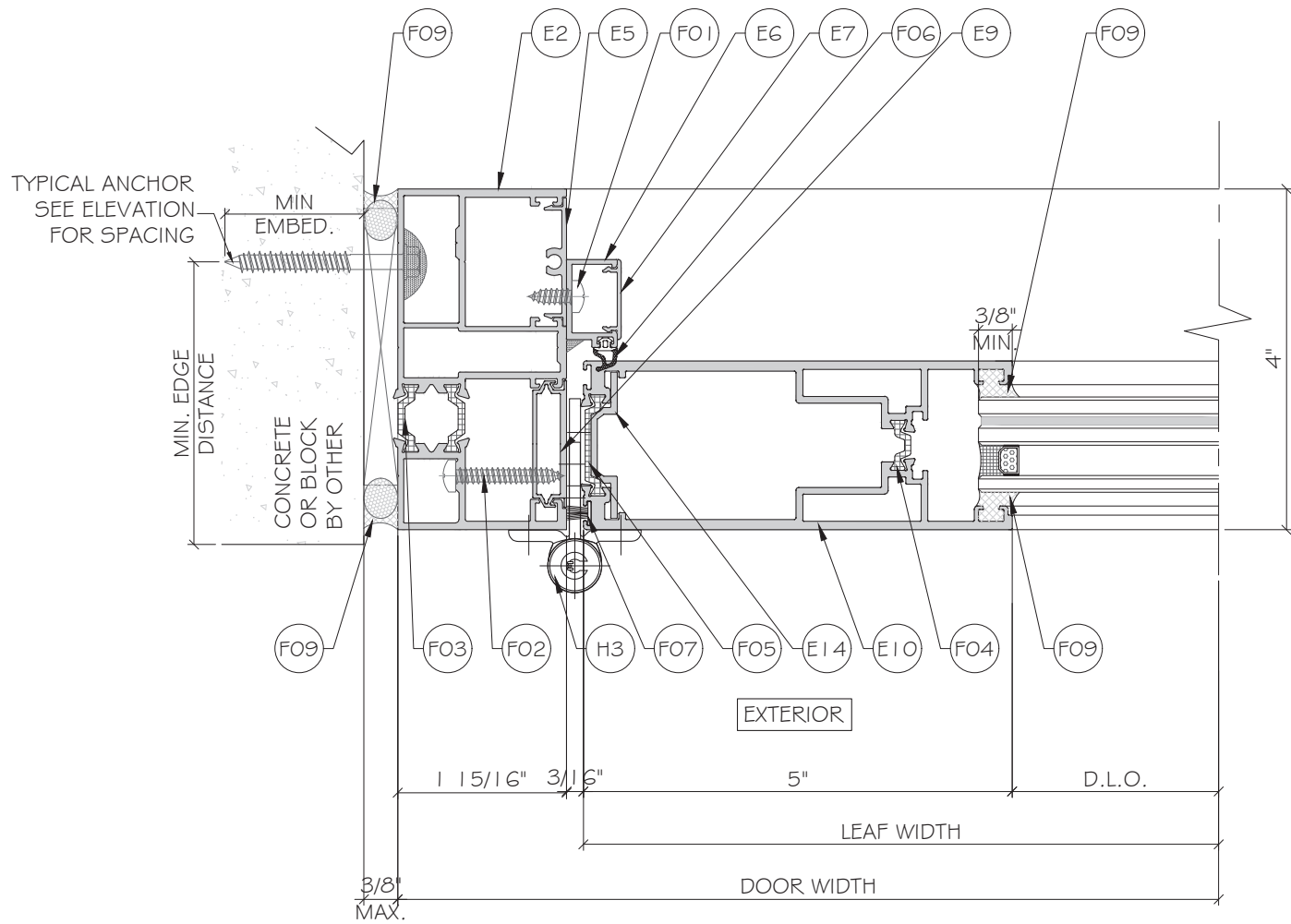
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Drawn Date
07.14.2026

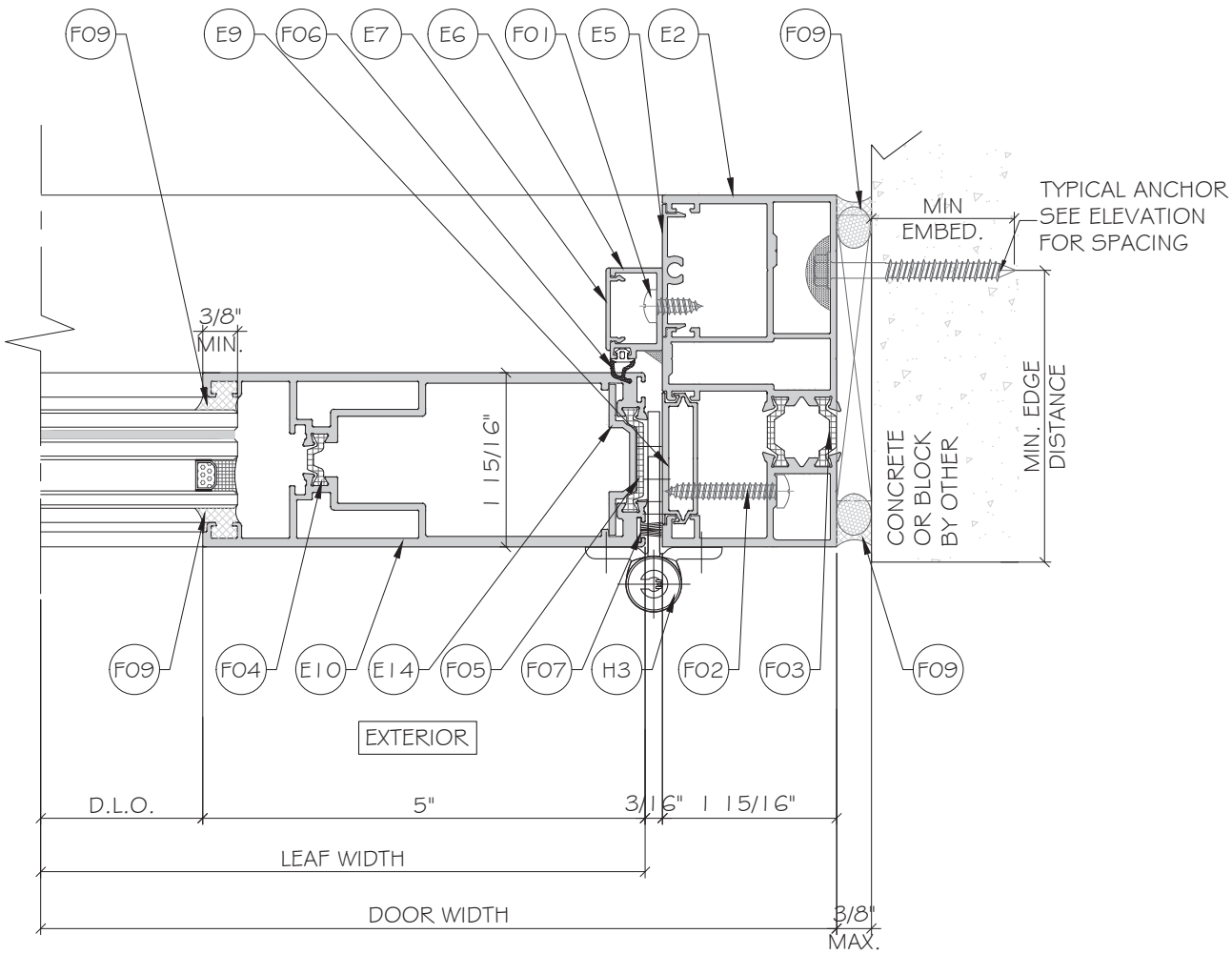
Drawn By
James

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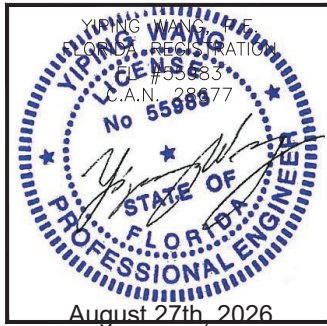


1
D1



2
D1

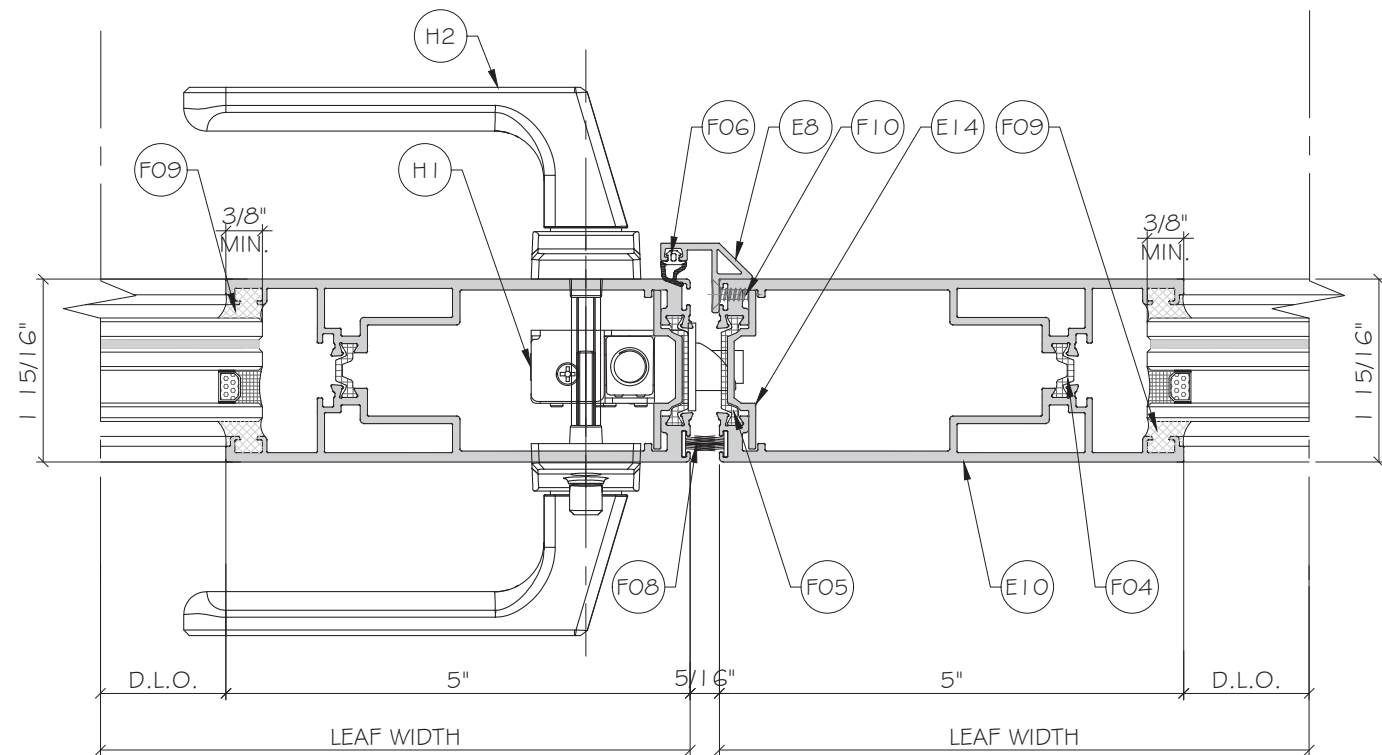
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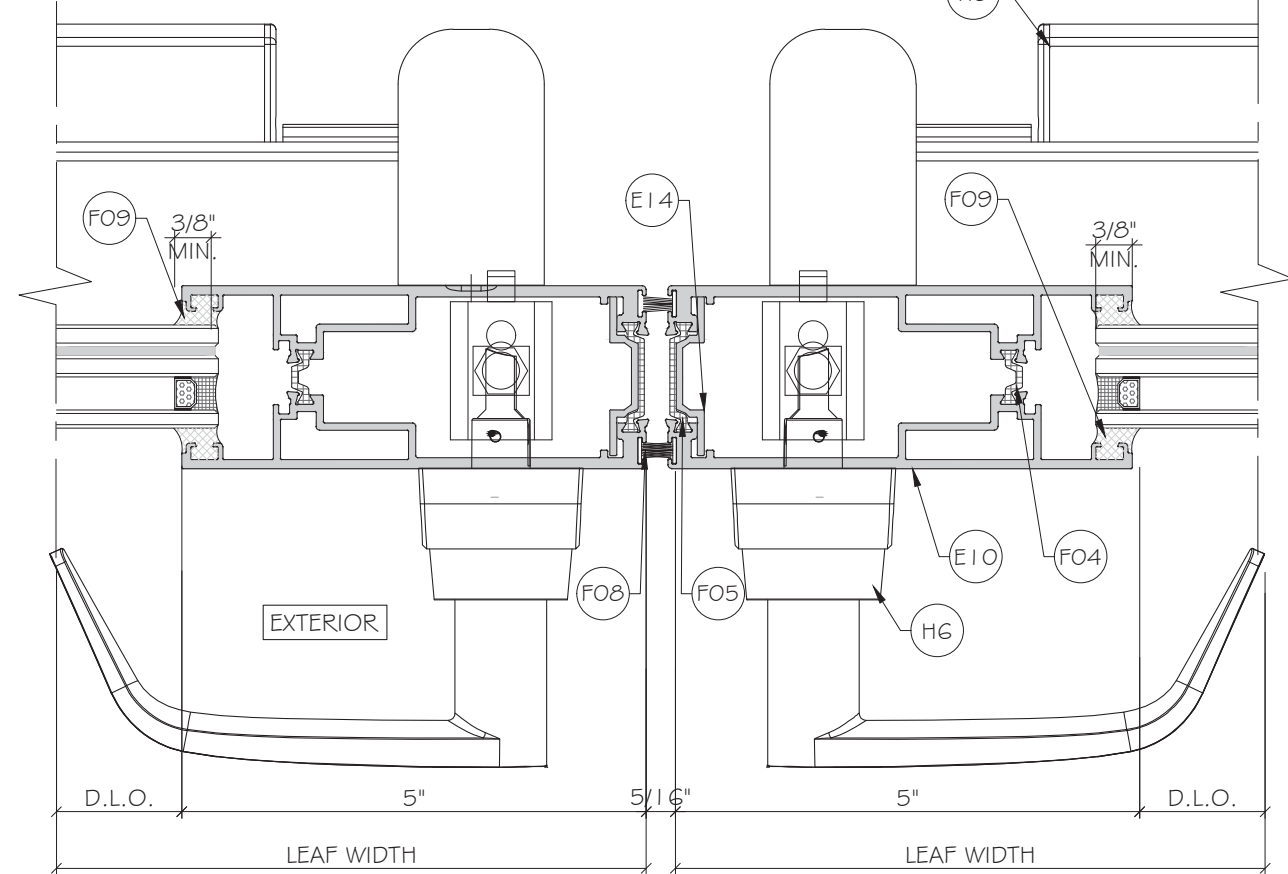
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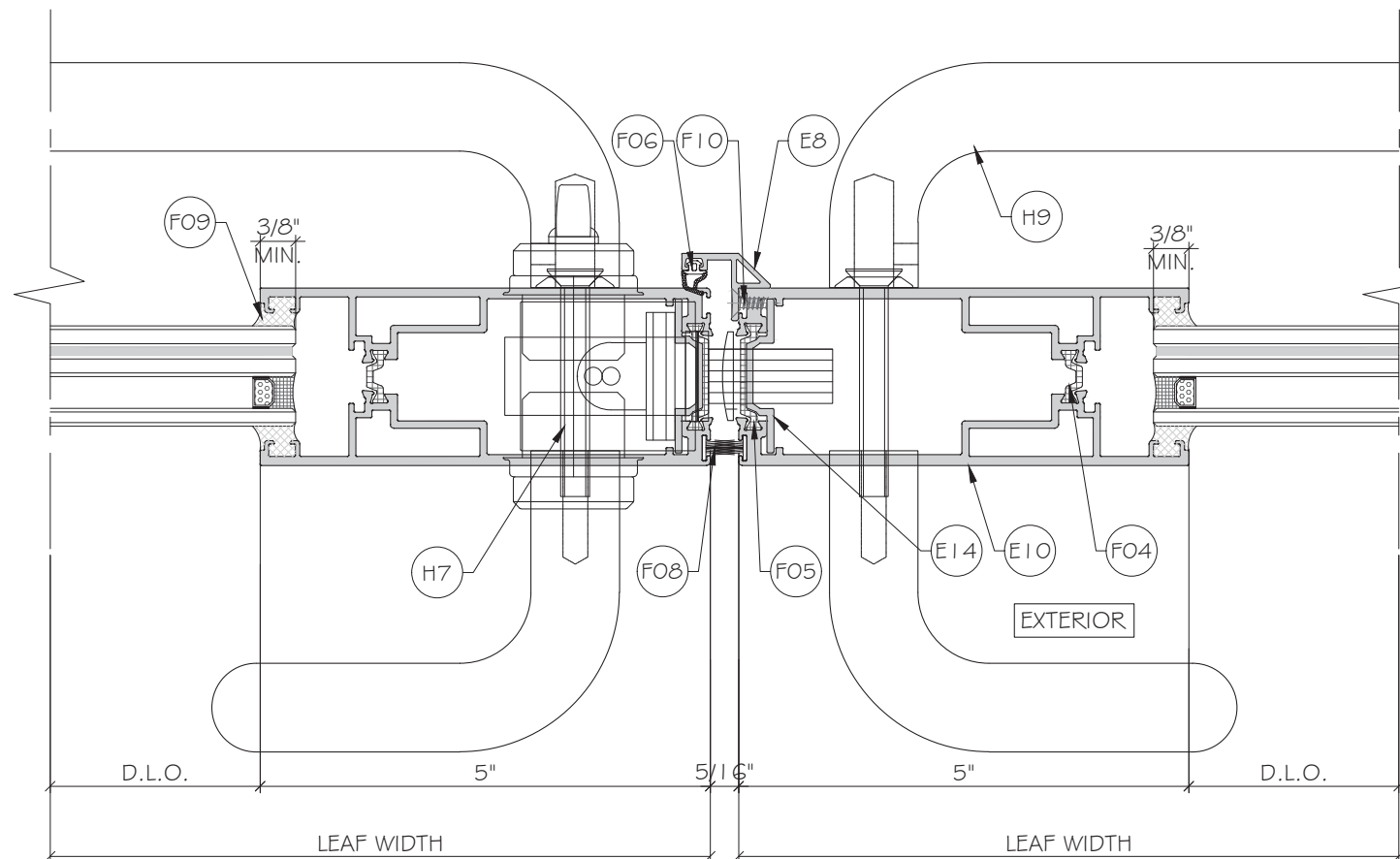
EXTERIOR

1 DETAIL
D2 APPROVED
FOR WATER
INFILTRATION



EXTERIOR

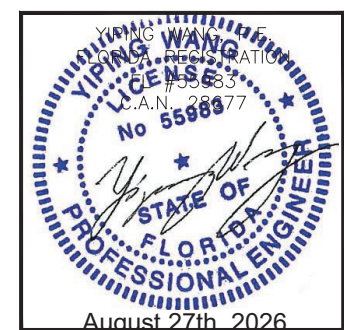
1 OPTION
D2 NOT APPROVED
FOR WATER
INFILTRATION



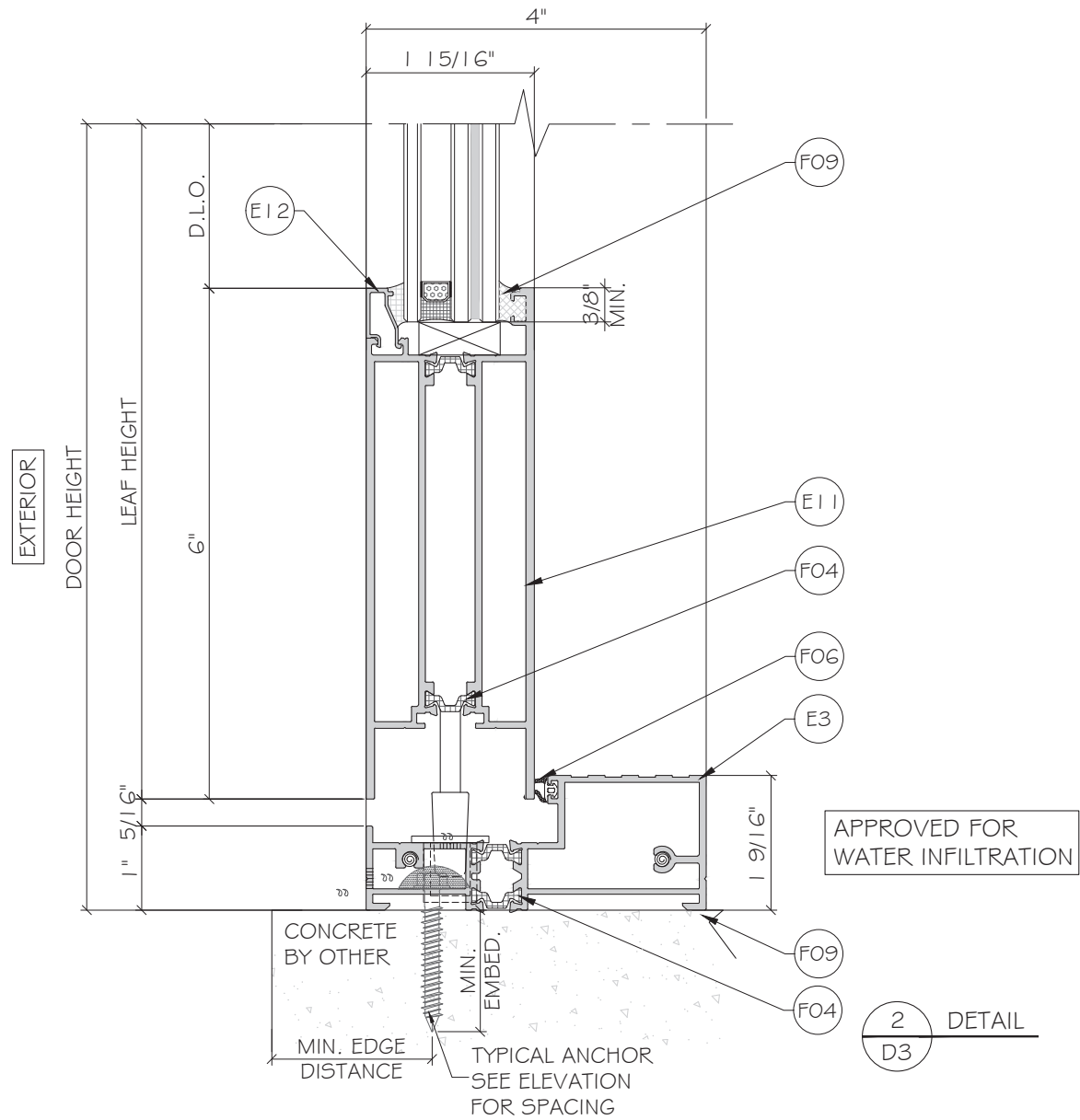
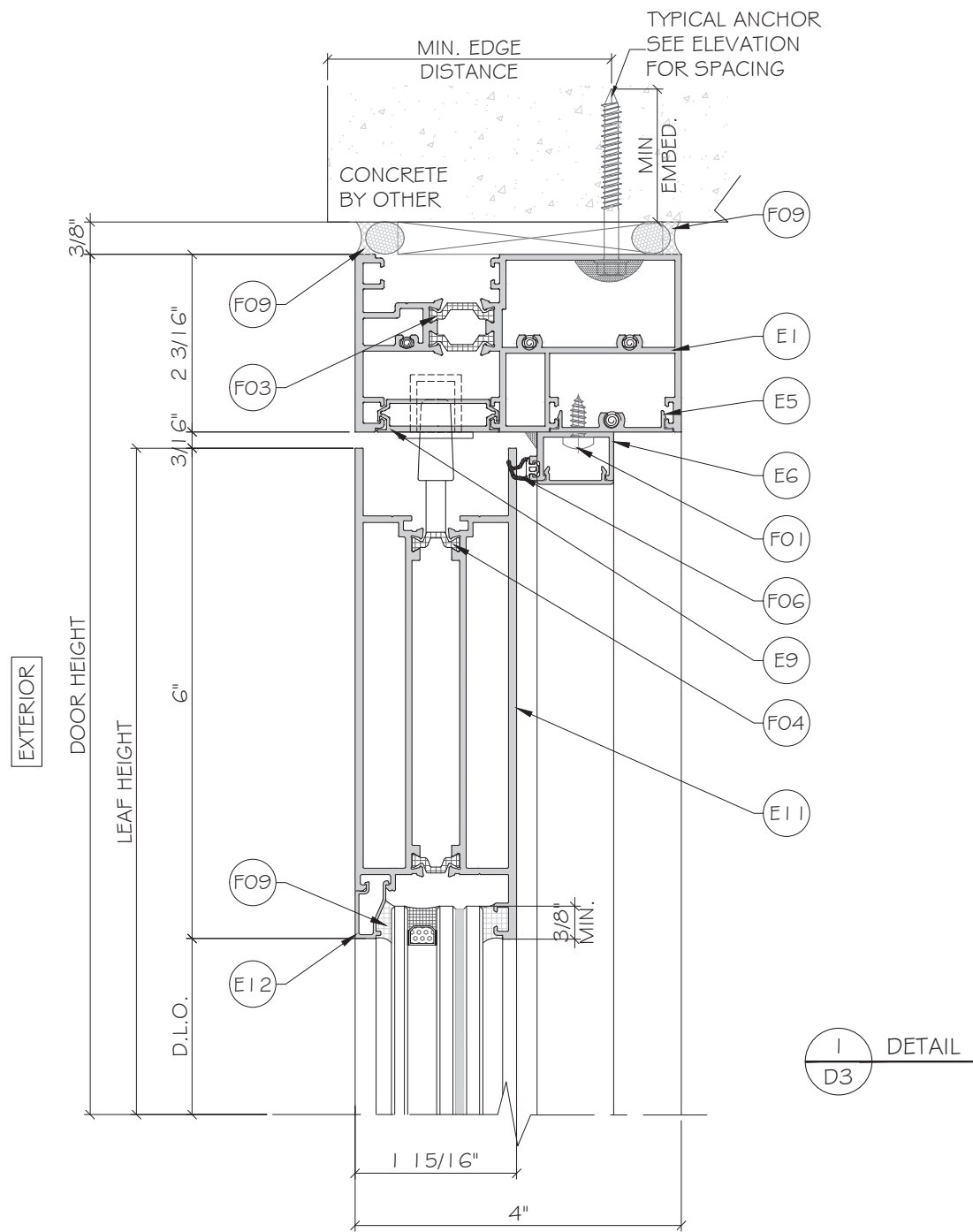
EXTERIOR

1 OPTION
D2 APPROVED FOR
WATER INFILTRATION

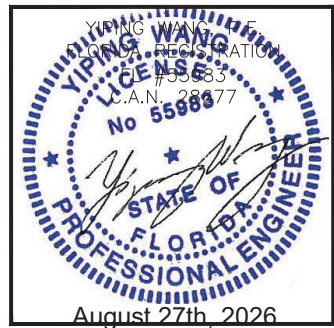
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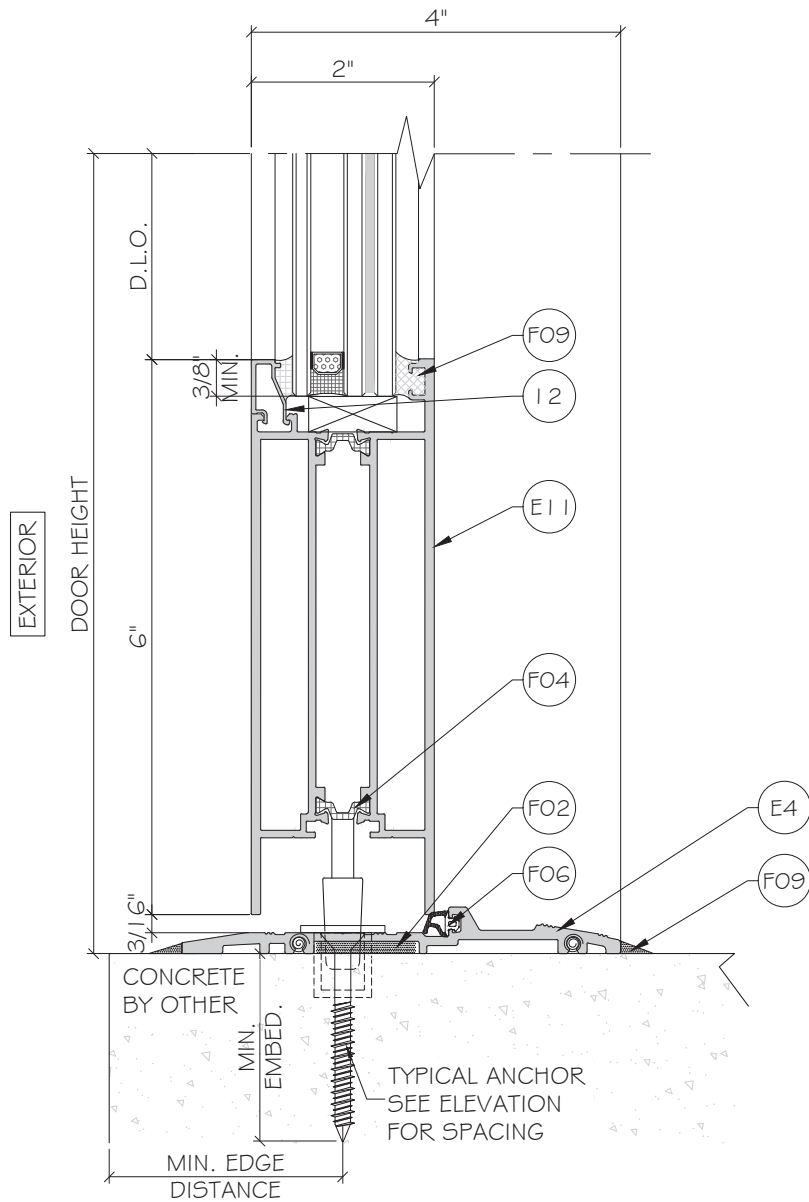
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7 OF 15

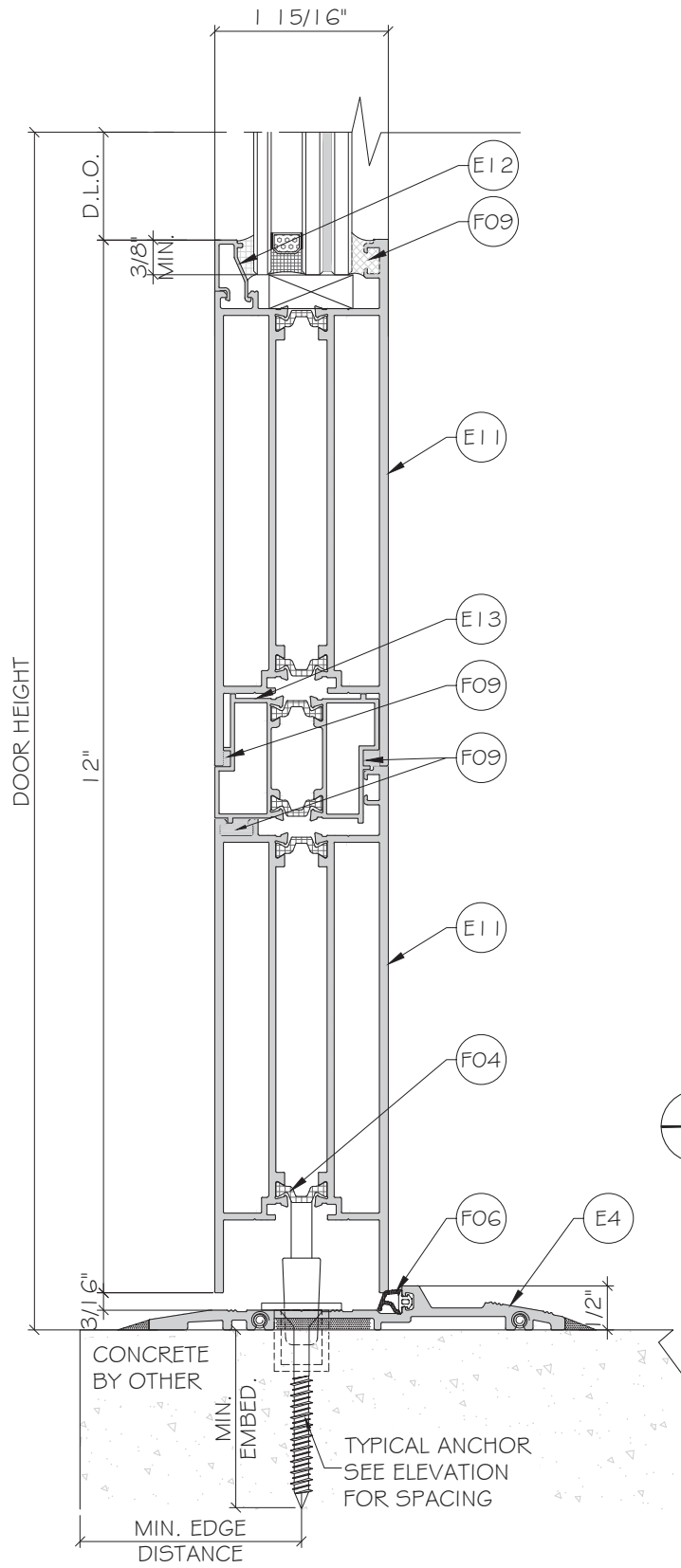
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mcy@mcyengineering.com



I
D4

ADA SILL NOT
APPROVED FOR
WATER INFILTRATION

EXTERIOR



I
D4

ADA SILL NOT
APPROVED FOR
WATER INFILTRATION

FLORIDA APPROVAL:
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YIPING WANG
REGISTERED PROFESSIONAL ENGINEER
No 55983
F.L.E. 28477

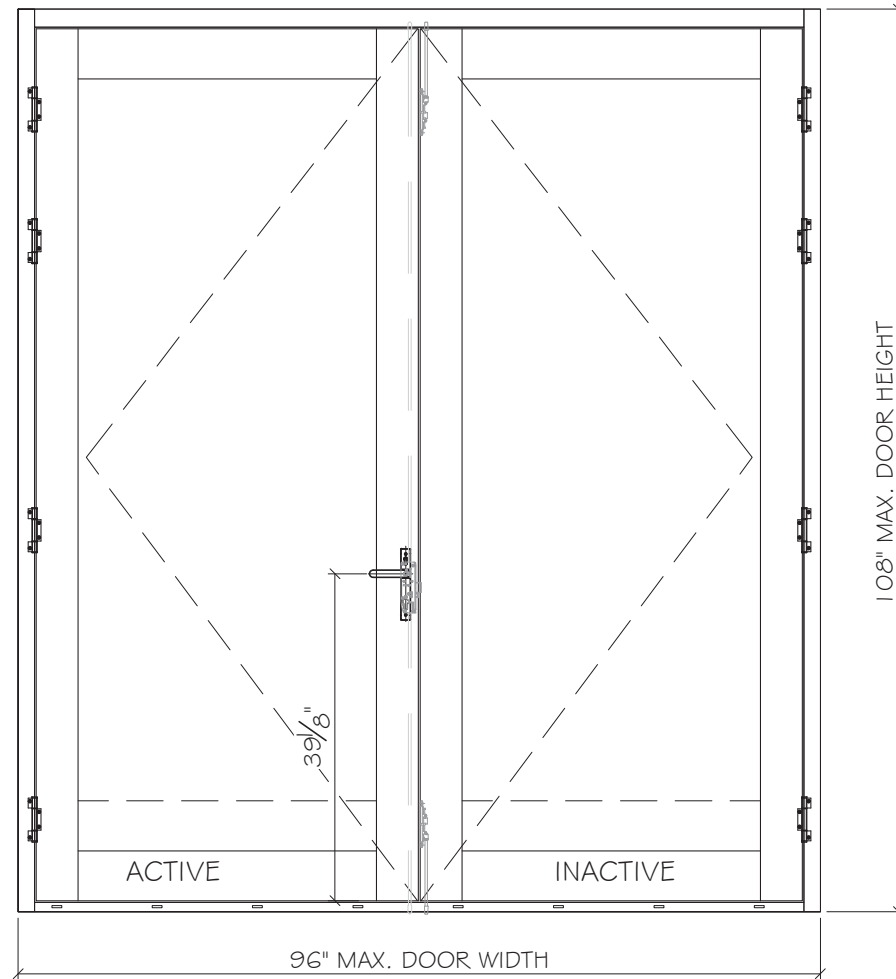
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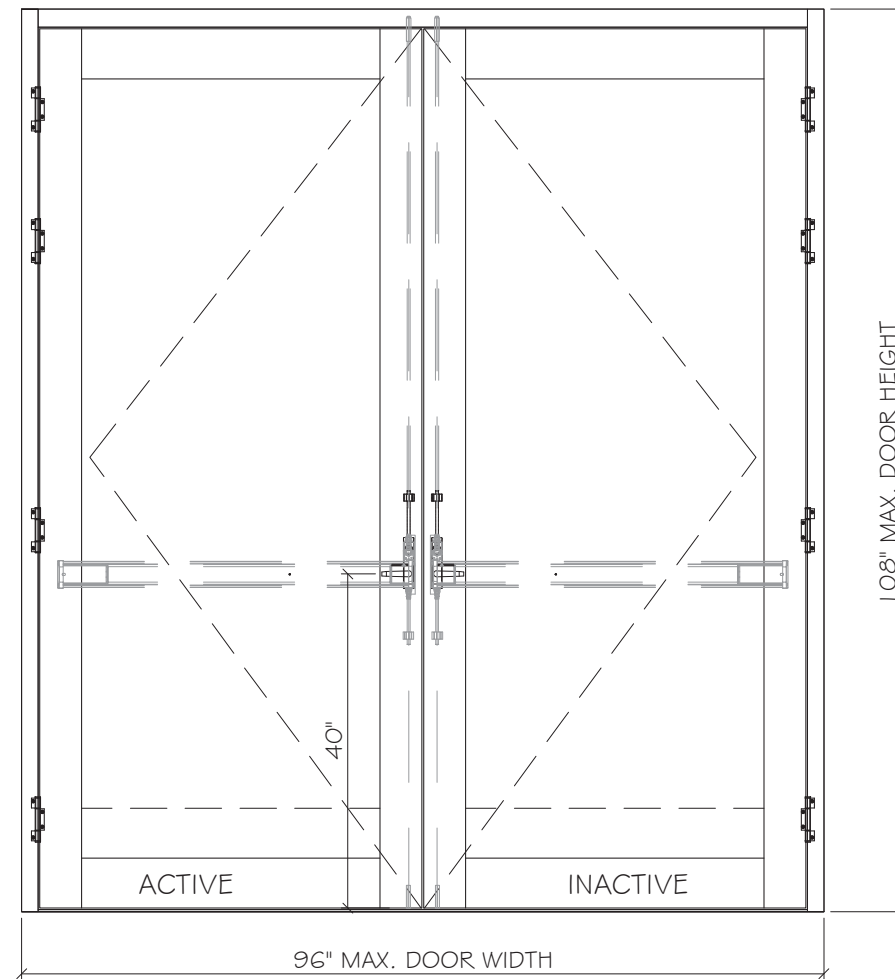
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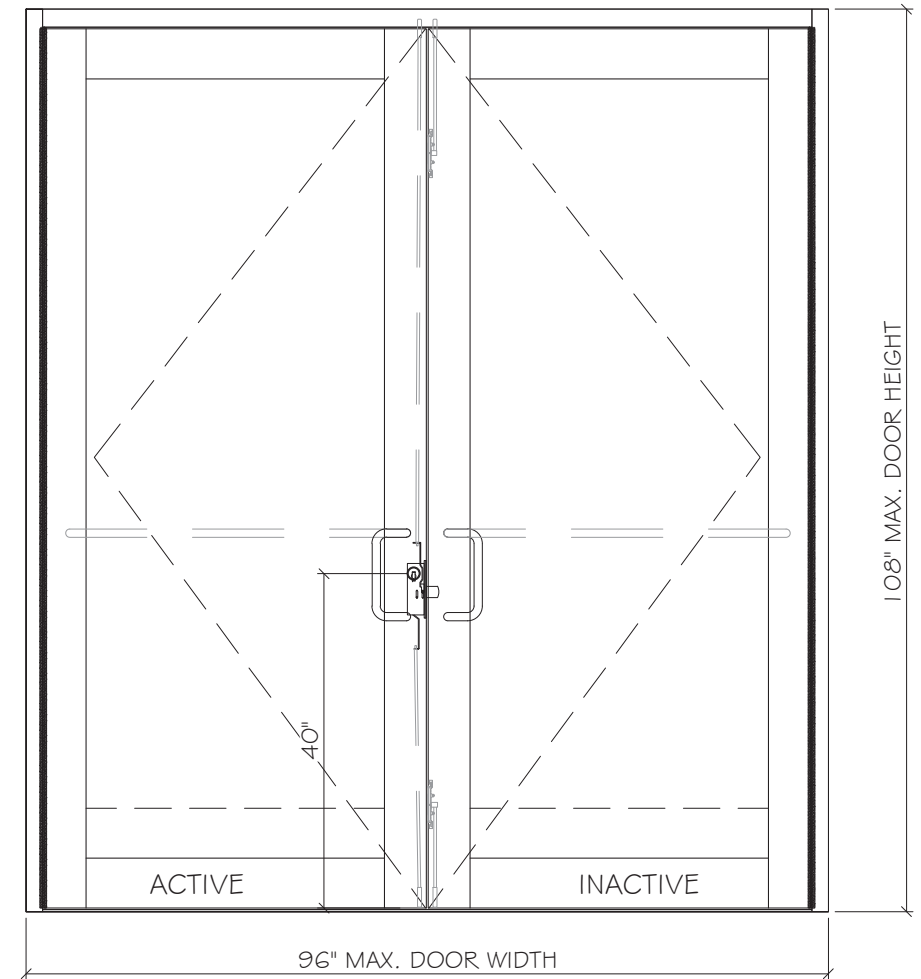
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Rev. No.	R0	Date	07.14.2026	Description
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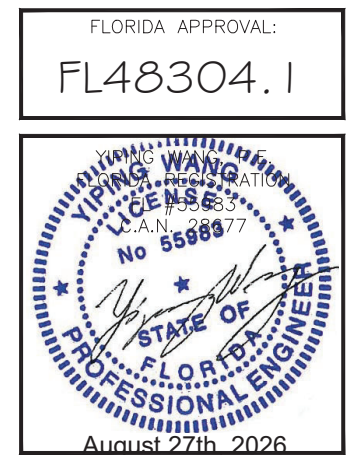
HARDWARE TYPE A
MAX. DESIGN LOAD: +/- 80 PSF



HARDWARE TYPE B
MAX. DESIGN LOAD: +/- 80 PSF



HARDWARE TYPE C
MAX. DESIGN LOAD: +/- 80 PSF

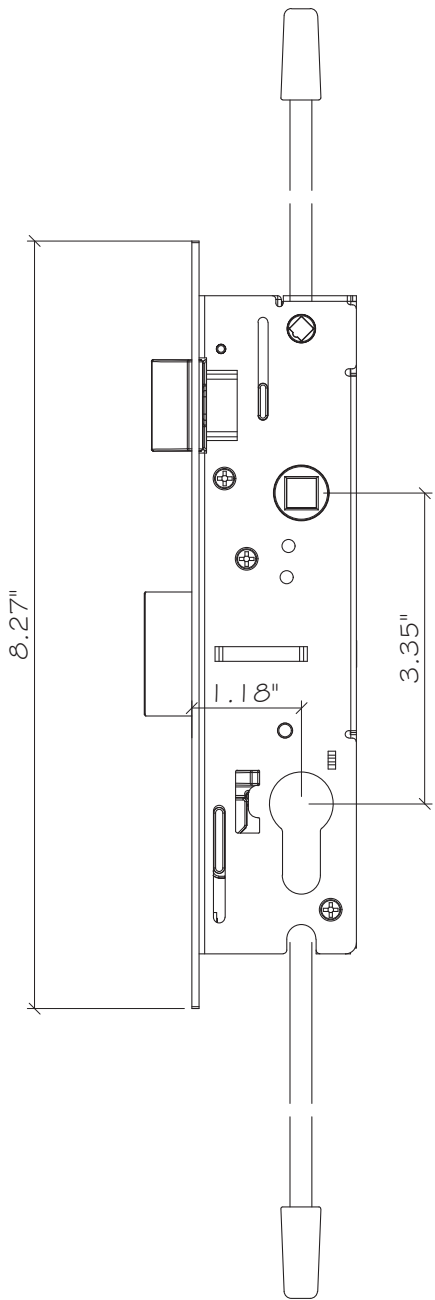
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SERIES YY100 THERMAL BREAK HINGED DOOR-LARGE MISSILE IMPACT

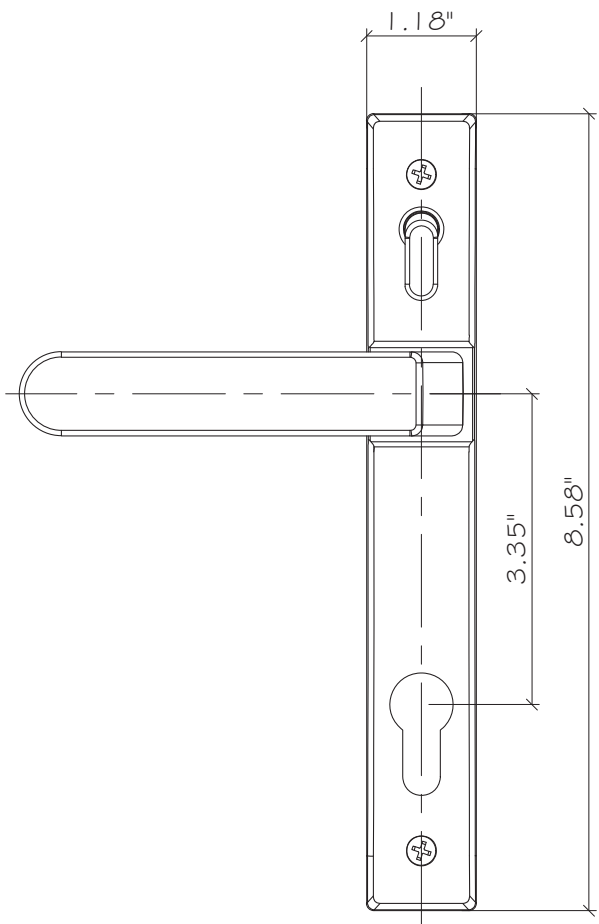
SHANGHAI YY WINDOWS CO.,LTD
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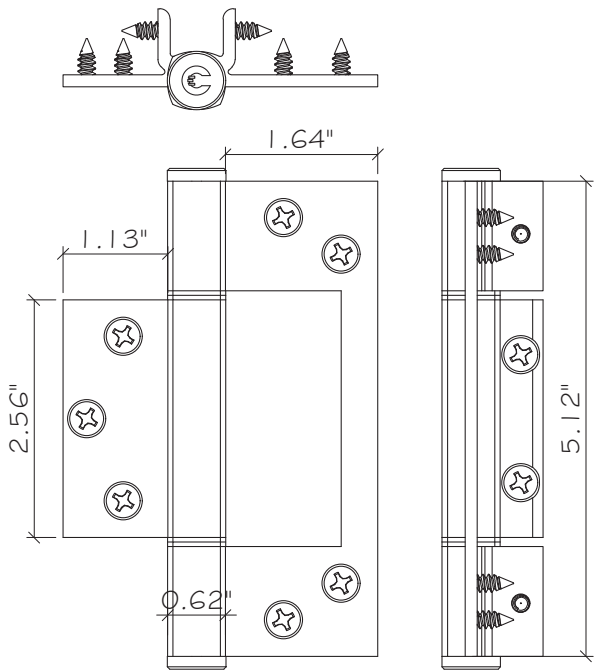
HARDWARE TYPE A
FRENCH DOOR HARDWARE



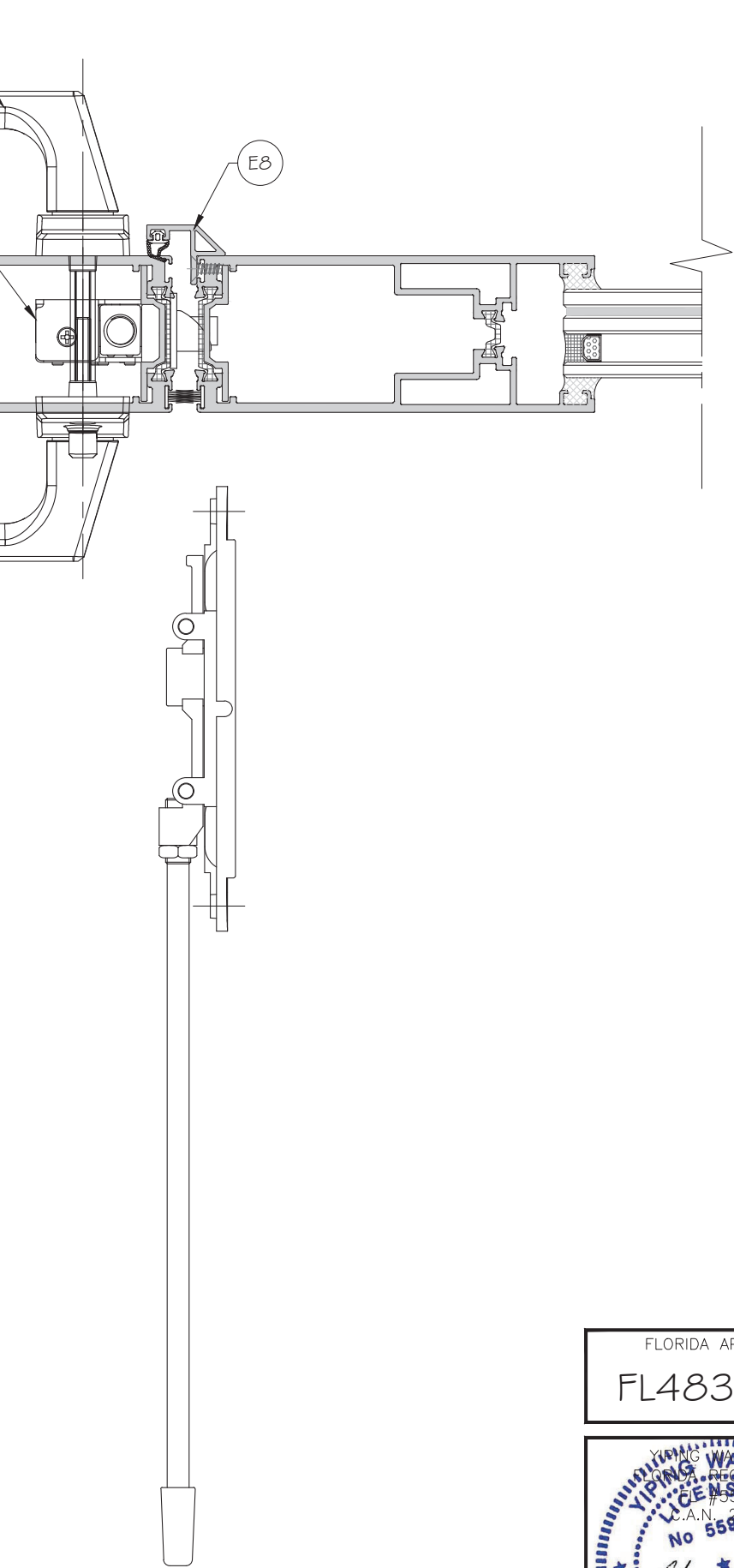
H1 LOCK BODY
ARCHIE (S7041-I)



H2 HANDLE
ARCHIE (ASHDX/DCLD-BK)



H3 HINGE
CODE: CIILOCK 4408



H4 LOCK BOLT TOP & BOTTOM
CODE: KINLONG KFJ5 I 220

FLORIDA APPROVAL:
FL48304.1

August 27th, 2026

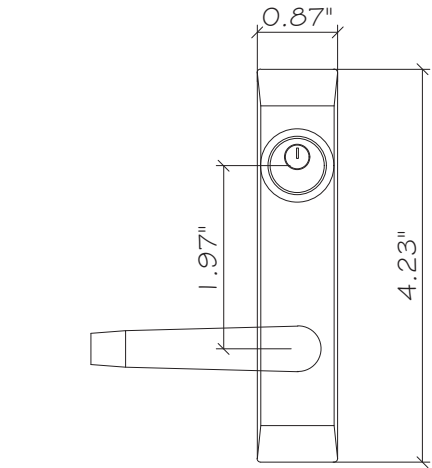
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TEL:+86 189 1616 7018 EMAIL: yymc@yyconstruction.com			
Drawn Date 07.14.2026	Drawn By James	NEW APPLICATION	Description
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R0	07.14.2026	JAMES	
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Sheet No. 10 OF 15			

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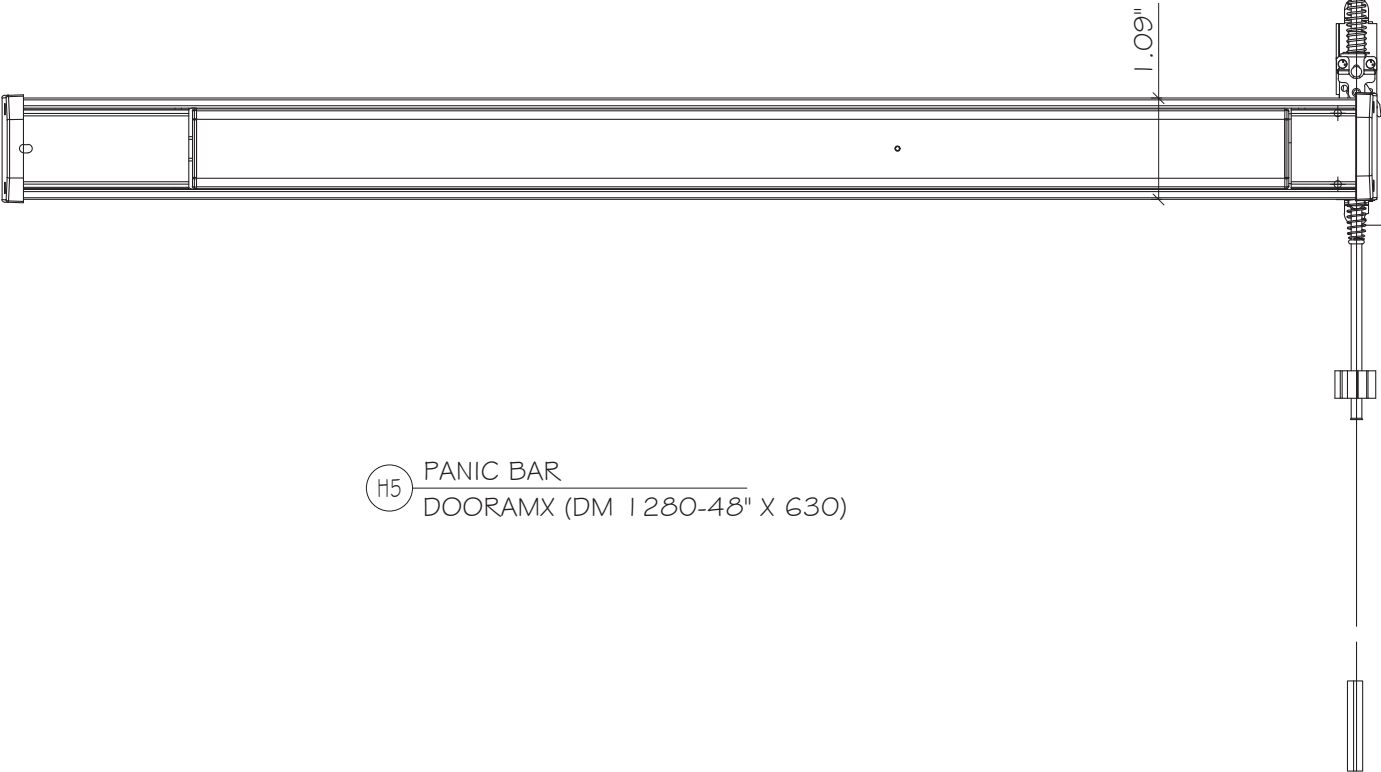
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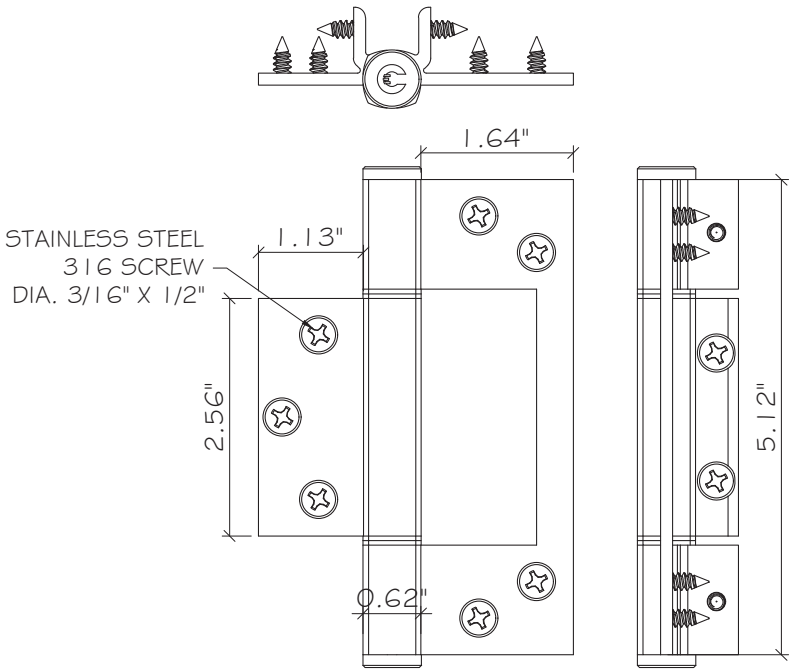
HARDWARE TYPE B
FRENCH DOOR HARDWARE



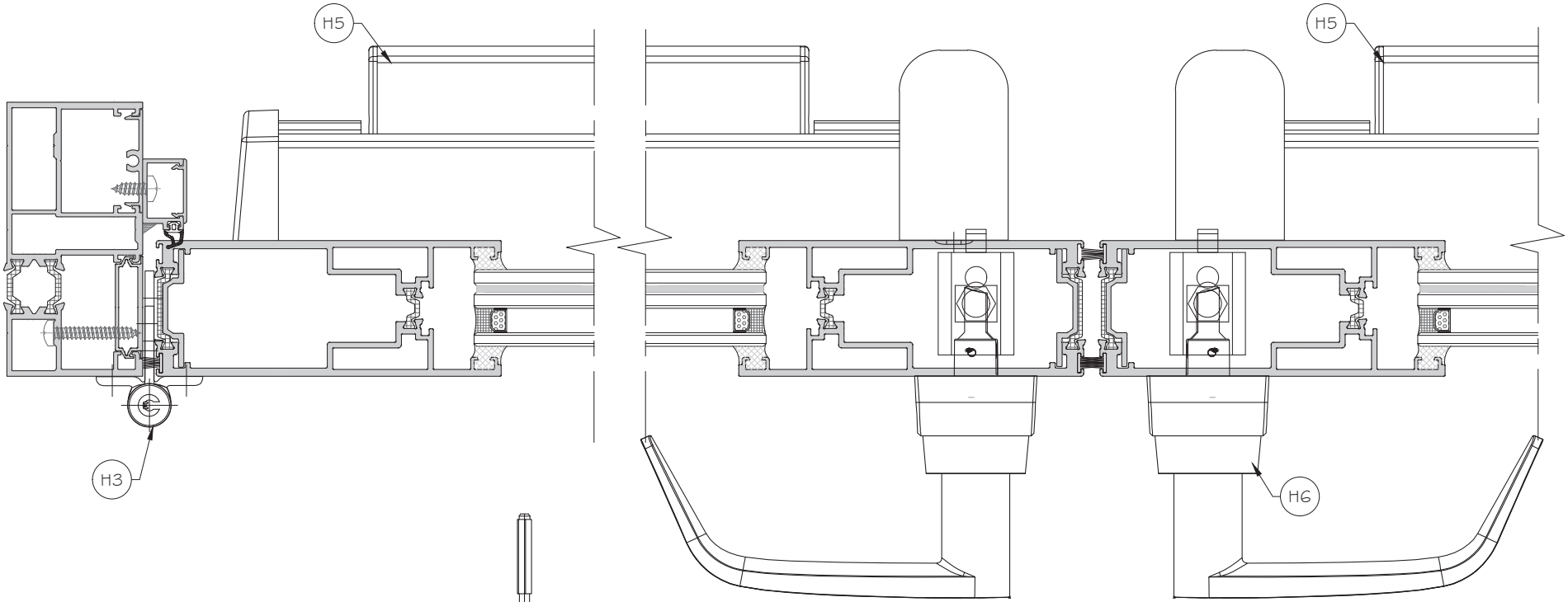
H6 HANDLE
DOORAMX (PYI -07X630)



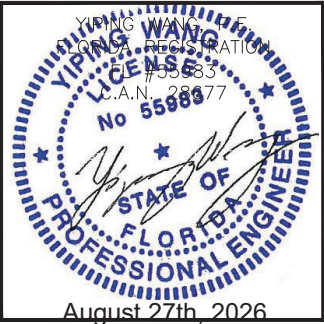
H5 PANIC BAR
DOORAMX (DM 1280-48" X 630)



H3 HINGE
CODE:CIILOCK 4408



FLORIDA APPROVAL:
FL48304.1



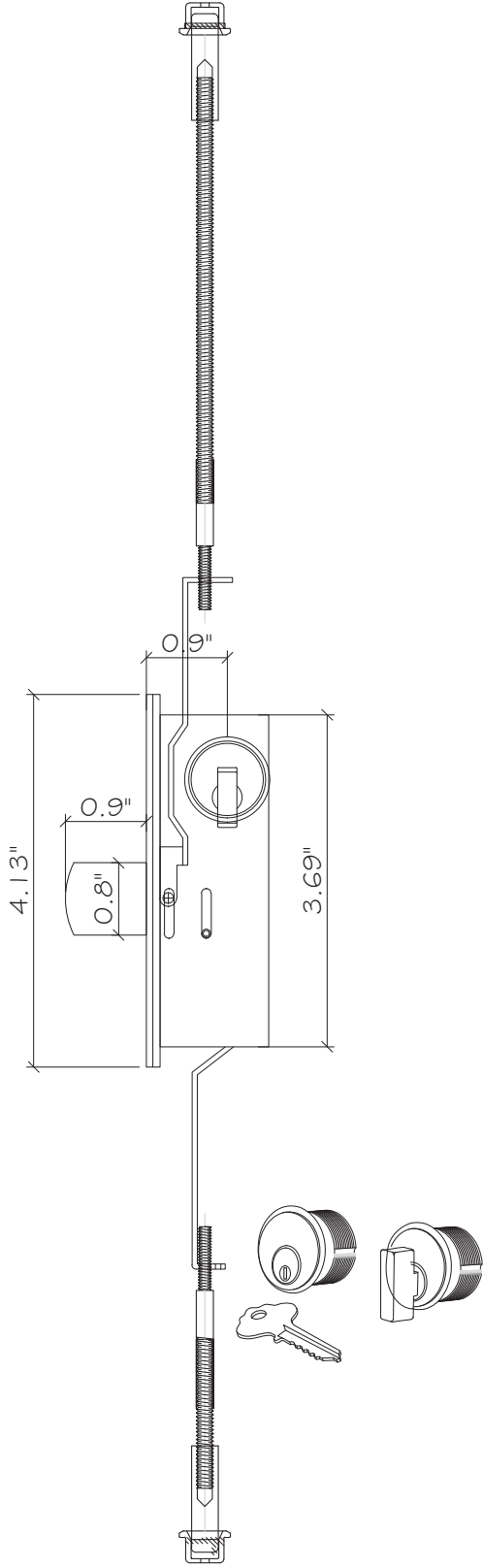
SERIES YY100 THERMAL BREAK HINGED DOOR-LARGE MISSILE IMPACT
SHANGHAI YY WINDOWS CO.,LTD
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EMAIL: ywome@yyconstruction.com

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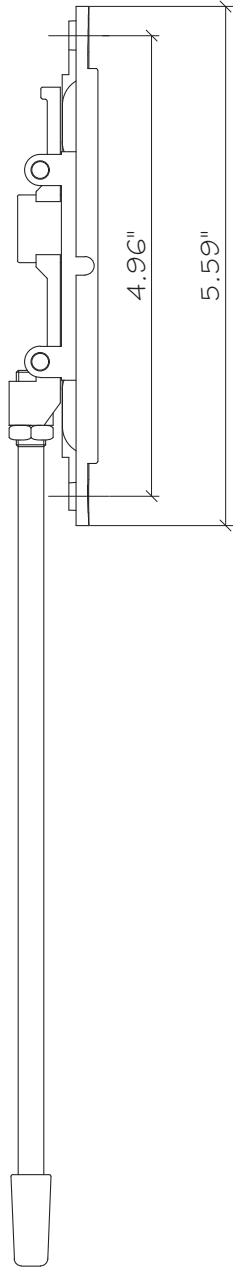
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DRAWING NO. AD26-35	
Sheet No. 11 OF 15	

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www.MCYEngineering.com
mcy@mcyengineering.com

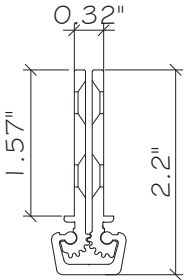
HARDWARE TYPE C
FRENCH DOOR HARDWARE



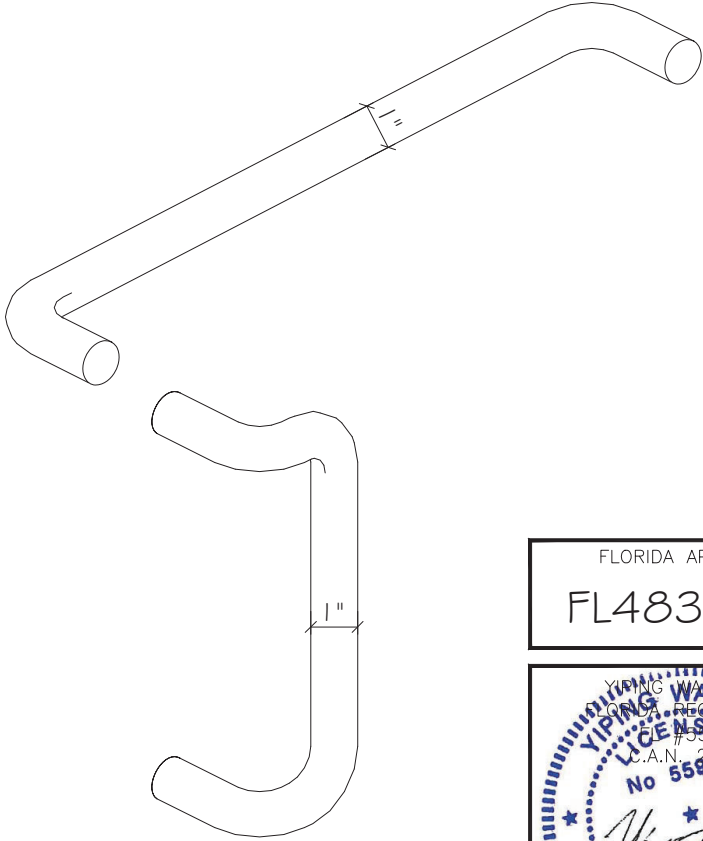
H7 LOCK BODY
SECUTOR #012,#018A,#019A



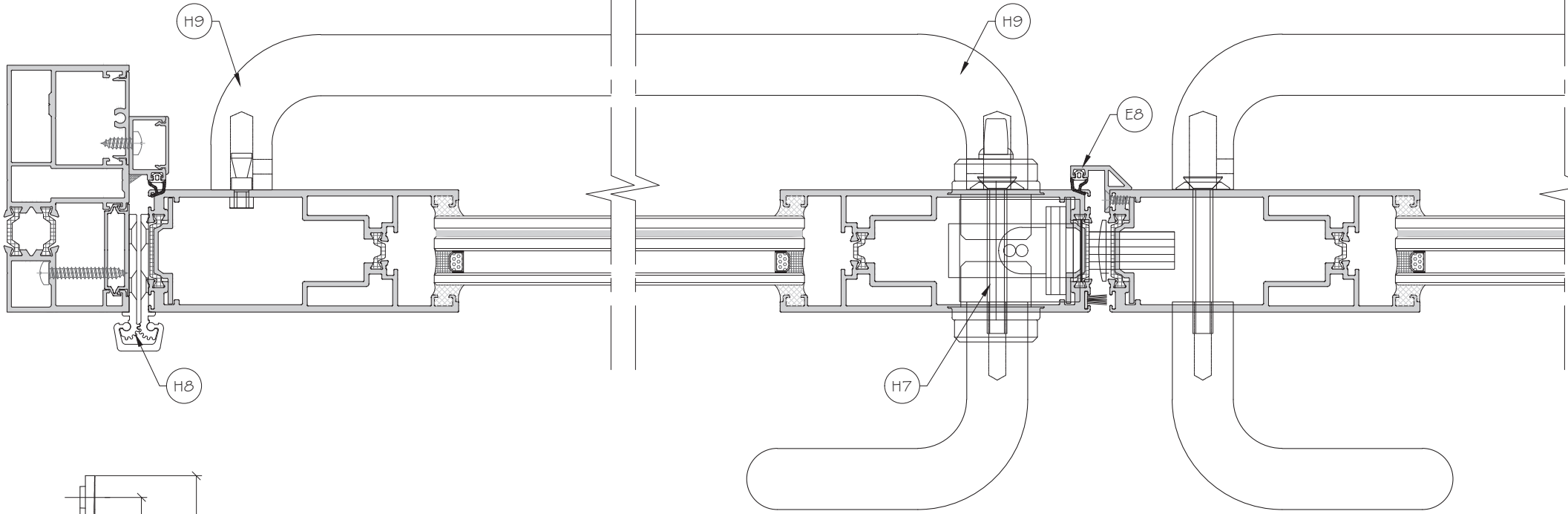
H4 LOCK BOLT TOP&BOTTOM
CODE:KINLONG KFJ51220



H8 CONTINUOUS HINGE
CODE:MEIHE YHG004



H9 HANDLE
BOTONHD 30640,30665



FLORIDA APPROVAL:
FL48304.1

YIPING WANG
PROFESSIONAL ENGINEER
STATE OF FLORIDA
REGISTRATION NO. 288477
LICENSE NO. 55988

August 27th, 2026

SERIES YY100 THERMAL BREAK HINGED DOOR-LARGE MISSILE IMPACT

SHANGHAI YY WINDOWS CO.,LTD
NO.9300 Hunan high way, PUDONG NEW AREA,SHANGHAI CHINA
TEL:+86 189 1616 7018
EMAIL: yymc@yyconstruction.com

Rev. No.	Date	Drawn By	Description
R0	07.14.2026	JAMES	NEW APPLICATION

Drawn Date
07.14.2026

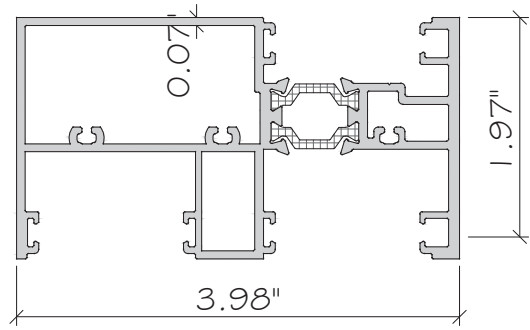
Drawn By
James

DRAWING NO.
AD26-35

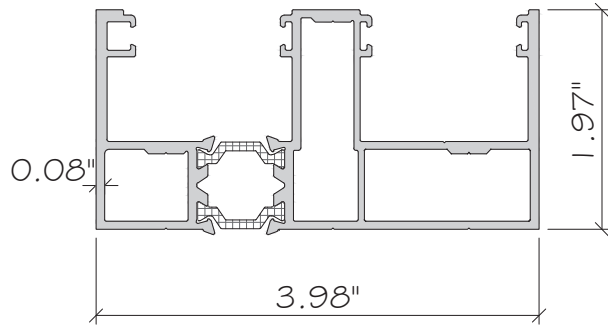
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MCY ENGINEERING, INC.
GLAZING CONSULTANTS

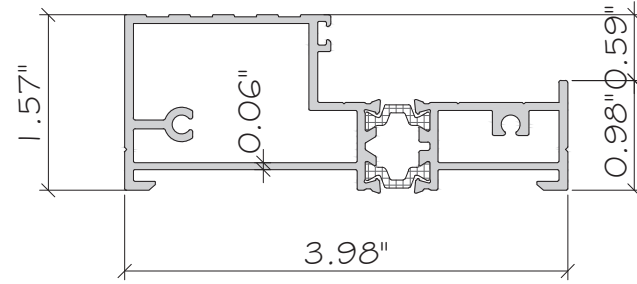
12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027
P: 305 588 5224
www.MCYEngineering.com
mcy@mcyengineering.com



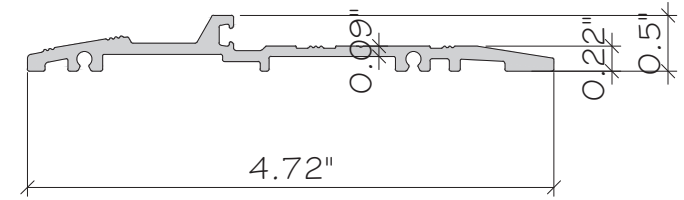
E1 TRANSOM
ALUM. 6063-T5



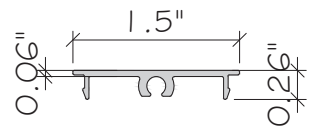
E2 FRAME JAMB
ALUM. 6063-T6



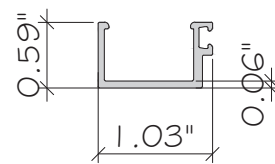
E3 SILL
ALUM. 6063-T5



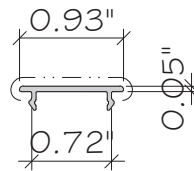
E4 SILL
ALUM. 6063-T5



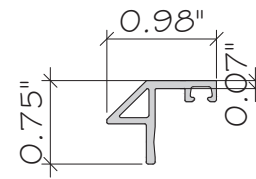
E5 SCREW CAP
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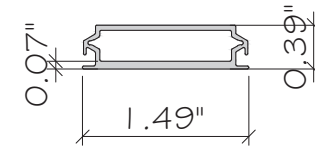
E6 DOOR STOP
ALUM. 6063-T5



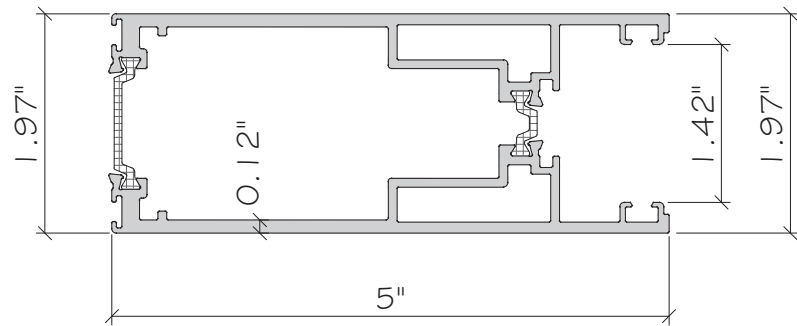
E7 DOOR STOP CAP
ALUM. 6063-T5



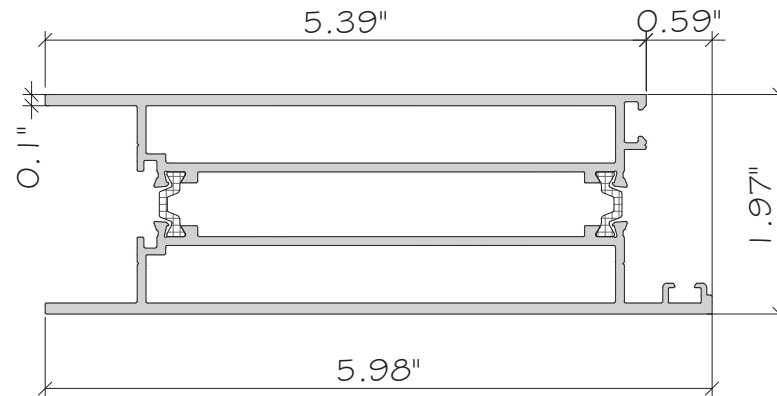
E8 MID DOOR STOP
ALUM. 6063-T5



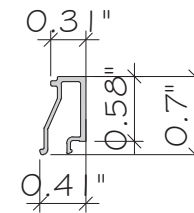
E9 CAP
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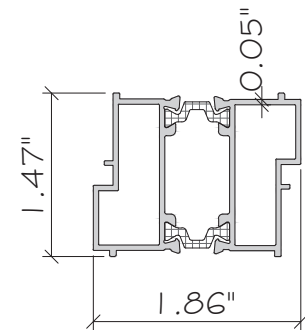
E10 SASH
ALUM. 6063-T6



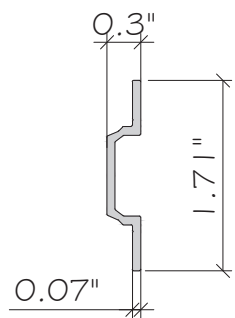
E11 SASH
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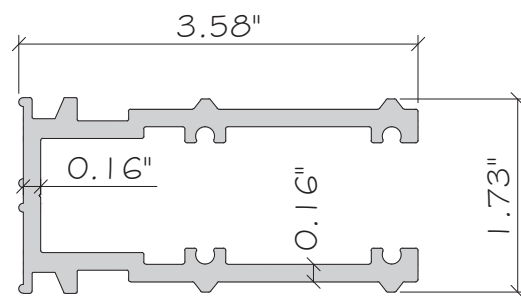
E12 GLASS BEAD
ALUM. 6063-T5



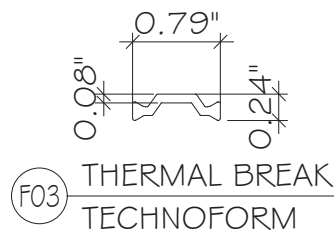
E13 CLIP
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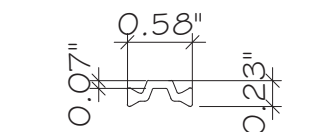
E14 CLIP
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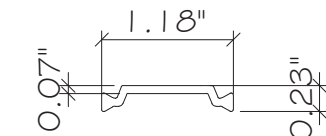
E15 JOINT
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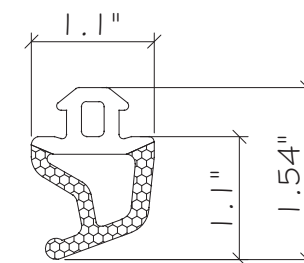
F03 THERMAL BREAK
TECHNOFORM



F04 THERMAL BREAK
TECHNOFORM

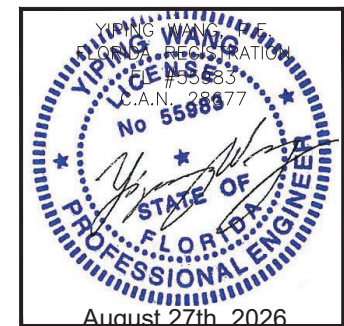


F05 THERMAL BREAK
TECHNOFORM



F06 GASKET
EPDM

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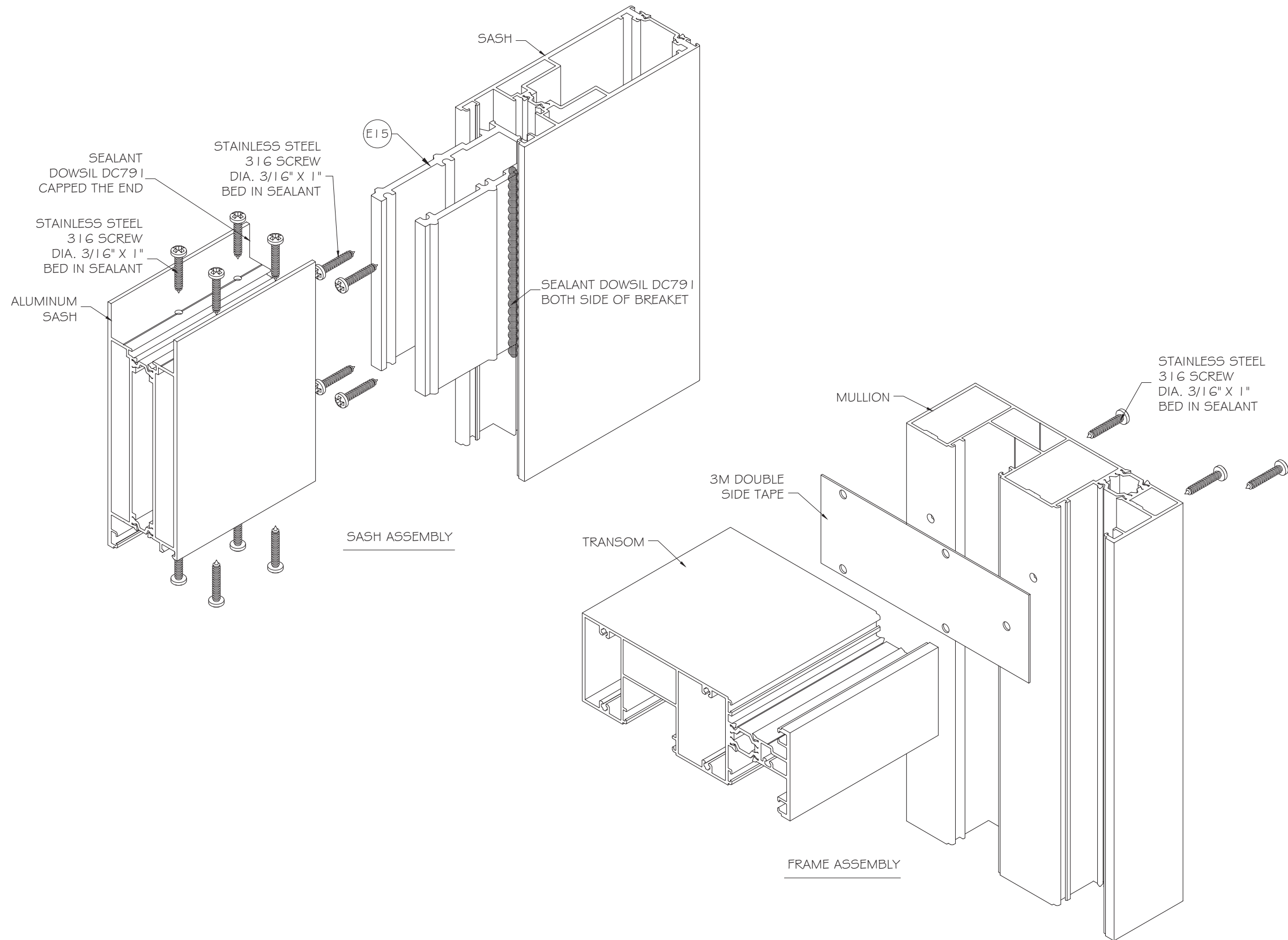


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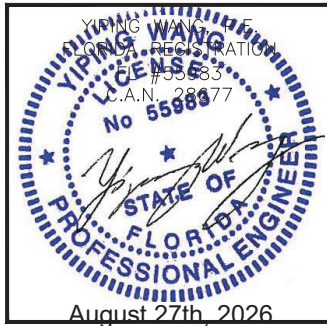
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Drawn Date
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Drawn By
James
DRAWING NO.
AD26-35
PART
Sheet No.
13 OF 15

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ASSEMBLY

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