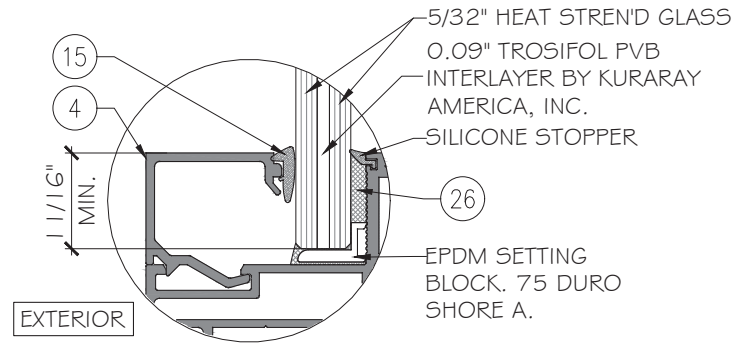
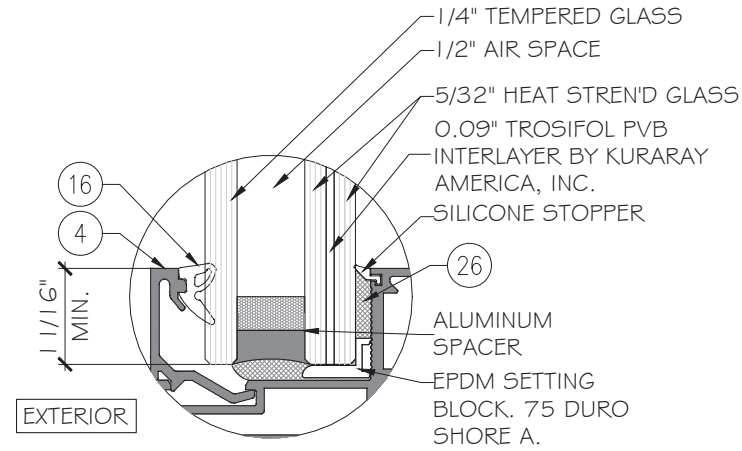


UNI-K DREAM WINDOW CASEMENT LARGE MISSILE IMPACT



(G1) 3/8" NOMINAL OVERALL
LAMINATED GLASS



(G2) 1 1/8" NOMINAL OVERALL
INSULATED LAMINATED GLASS

NOTE:
GLASS COMPLIES WITH ASTM E1300-16
(3 SEC. GUSTS)

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 8TH EDITION (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOW IS DESIGNED TO BE USED AT LARGE MISSILE AREA, IMPACT SHUTTER IS NOT REQUIRED.
- WINDOWS ARE APPROVED FOR AIR RESISTANCE AND WATER RESISTANCE.
- 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 FLORIDA BUILDING CODE 8TH EDITION 2023 SECTION AS APPLICABLE.
- WOOD BUCKS/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.
- NOTE: HARDWARE CHECKED FOR WIND LOAD IN CLOSED POSITION ONLY; OPERATION PER MANUFACTURER'S INSTRUCTIONS. WINDOWS MUST BE CLOSED AND SECURED WHEN A HURRICANE WARNING IS ISSUED.

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 ON SHEET E1 FOR MAXIMUM SIZES AND DESIGN LOADS.
- STEP 3: SEE ANCHOR TYPES ON SHEET A1 & A2. SEE SHEET E1 FOR ANCHOR SPACING.
- STEP 4: THE LOWEST VALUE RESULTING FROM STEPS 2 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM.

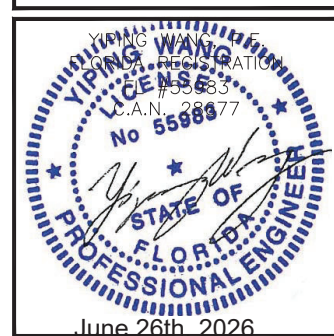
ABBREVIATIONS AND SYMBOLS

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	
VERT. - VERTICAL	
G.B. - GLASS BITE	SHEET NUMBER

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.

FL48233.1



MCY ENGINEERING, INC.
GLAZING CONSULTANTS
2701 MIDAMAD PARKWAY #1201

 12701 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027 P: 305.588.5224
www.MCYEngineering.com mcy@mcyengineering.com

UNIK-DREAM CASEMENT WINDOW - L.M.I.

UNIK FENESTRATION

8.3 VIA DURAN 1A
GUAYAS, ECUADOR
ps://www.vetrikoe

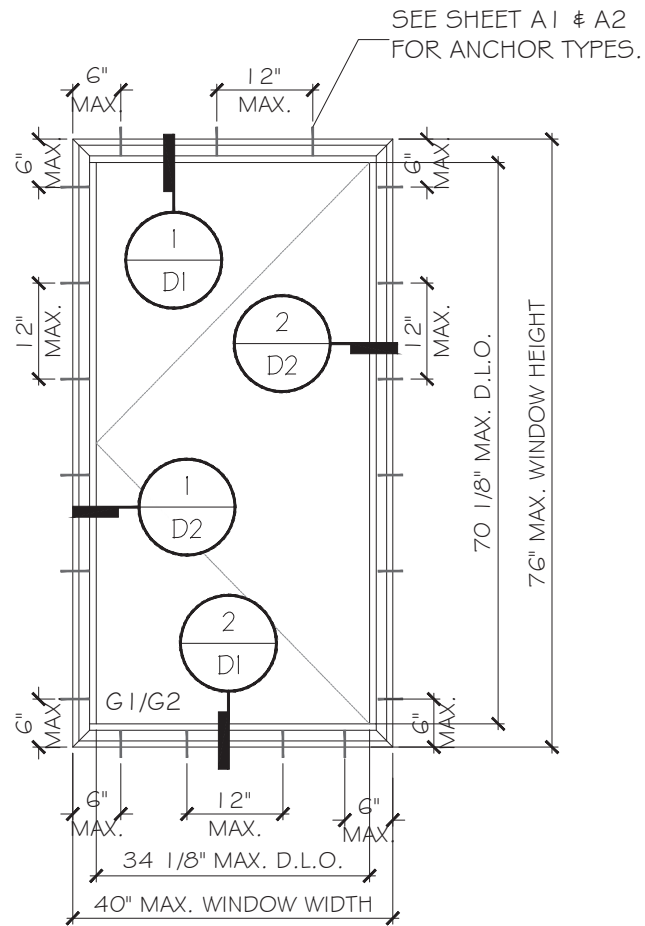
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R0	06.25.2026	JAMES	NEW APPLICATION
Rev. No.	Date	Drawn By	Description

DRAWING NO.
AD26-17

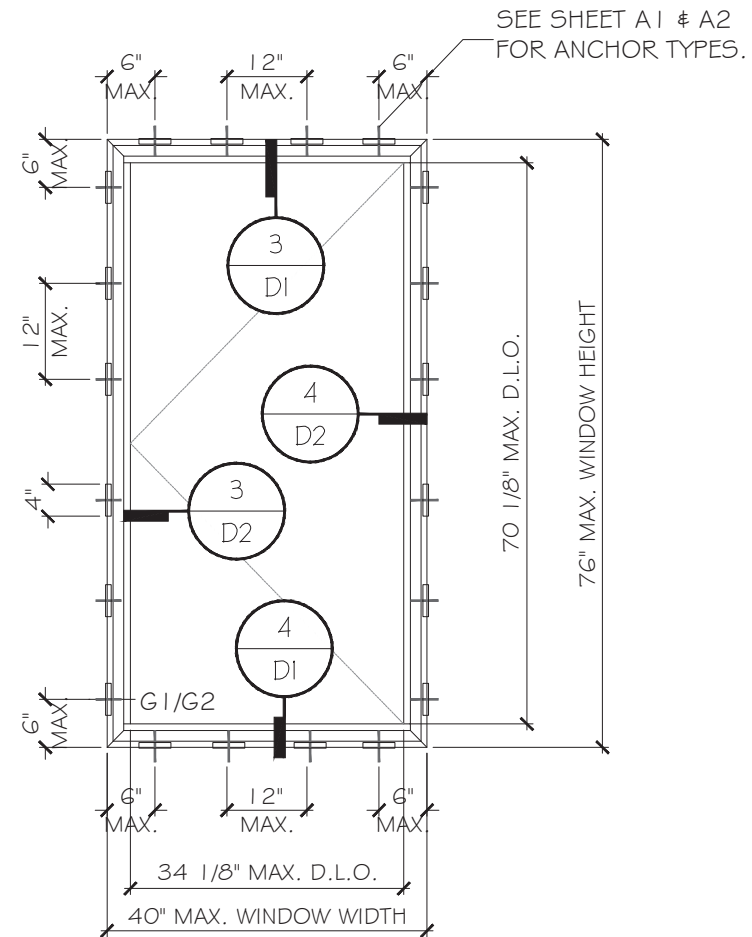
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Sheet No.
OF 10



TYPICAL EXTERIOR ELEVATION

DESIGN LOAD: +85/-85 PSF
FOR SIZE SHOWN ABOVE OR
SMALLER AS PERMITTED BY FBC



TYPICAL EXTERIOR ELEVATION (STRAP ANCHOR)

DESIGN LOAD: +85/-85 PSF
FOR SIZE SHOWN ABOVE OR
SMALLER AS PERMITTED BY FBC

FL48233.1

June 26th, 2026

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

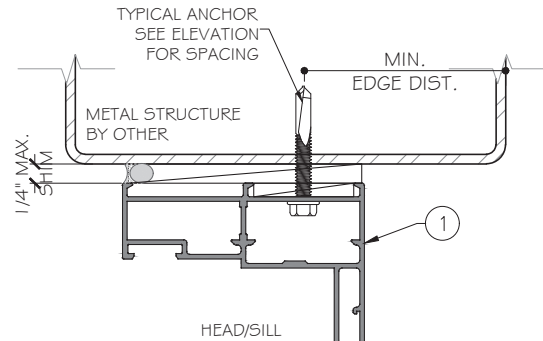
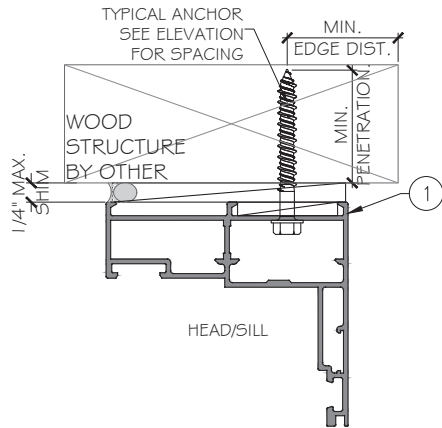
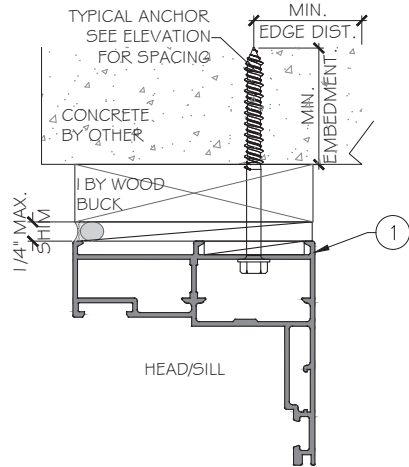
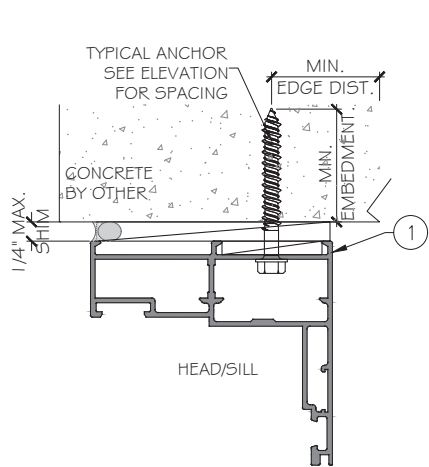
12781 MIRAMAR PARKWAY #301
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UNIK DREAM CASEMENT WINDOW - L.M.I.

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ANCHOR TYPES:

TYPE "A": 1/4" DIA. ULTRAACON+ BY DEWALT (FU=164 KSI, FY=148 KSI) INTO 2X WOOD BUCK OR WOOD STRUCTURE WITH 1 1/2" MIN. EMBED PENETRATION.

THRU 1X WOOD BUCK INTO CONCRETE WITH 1 3/4" EMBED

THRU 1X WOOD BUCK INTO HOLLOW BLOCK WITH 1 1/4" EMBED OR GROUT FILLED BLOCK WITH 1 3/4" EMBED. (JAMB ONLY)

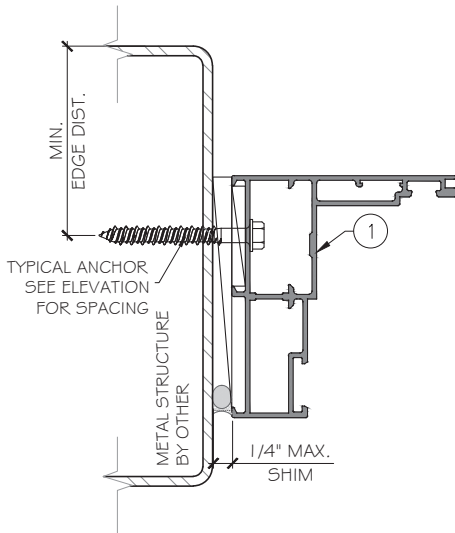
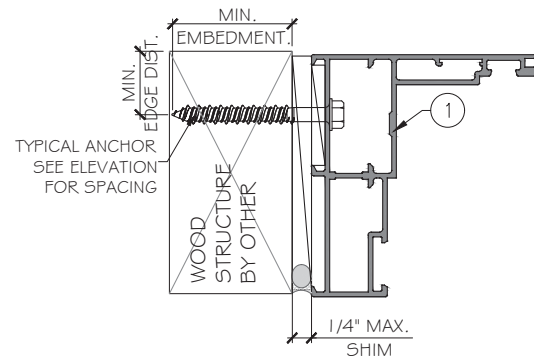
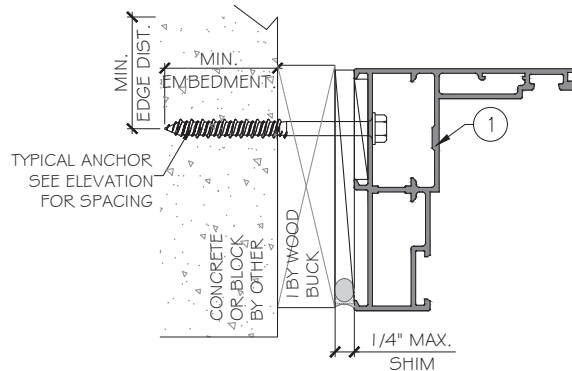
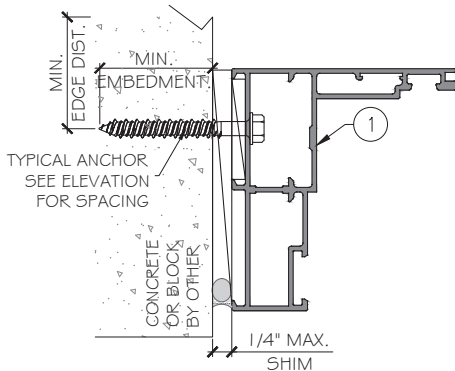
TYPE "B": 1/4" DIA. ULTRAACON+ BY DEWALT (FU=164KSI, FY=148KSI) 1 3/4" MIN. EMBED INTO CONCRETE

OR 1 1/4" EMBED INTO HOLLOW BLOCK (JAMB ONLY)
OR 1 3/4" EMBED INTO GROUT FILLED BLOCK (JAMB ONLY)

TYPE "C": 1/4" SMS OR TEKS (GRADE 5) (FU=120 KSI, FY=92 KSI) INTO FBC APPROVED MULLIONS OR METAL STRUCTURES. (3) THREADS MIN. PENETRATION BEYOND METAL SUBSTRATE.

ANCHOR EDGED DISTANCE:
INTO CONCRETE & MASONRY= 2 1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL = 3/4"

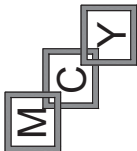
CONCRETE F'C=3KSI MIN.
C-90 HOLLOW /FILLED BLOCK AT JAMB FM'=2000 PSI MIN.
WOOD SG=0.55 MIN.
ALUMINUM: 1/8" THK. MIN. (6063-T5. MIN.)
STEEL: 12GA OR 1/8" THK. MIN. ASTM A653 GRADE 33 (FY=36KSI) MIN.
(STEEL IN CONTACT WITH ALUMINUM TO BE ISOLATED OR PAINTED.)



NOTE:
WOOD BUCKS/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.

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GLAZING CONSULTANTS



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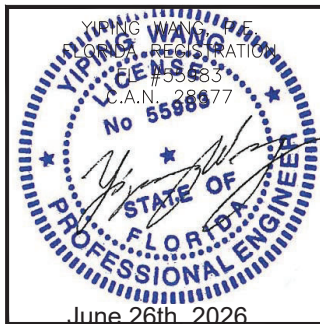
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UNIK FENESTRATION

KM 8.5 VIA DURAN TAMBO
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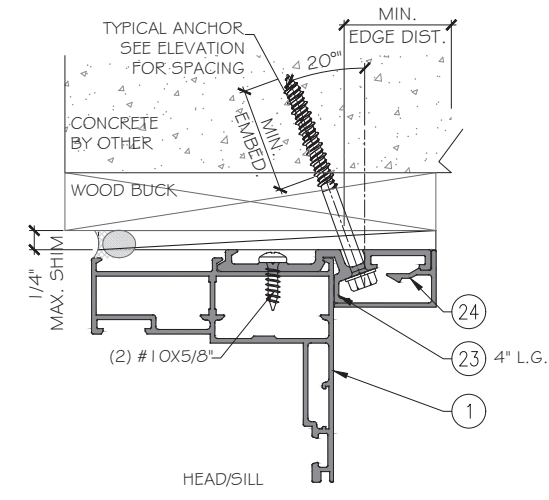
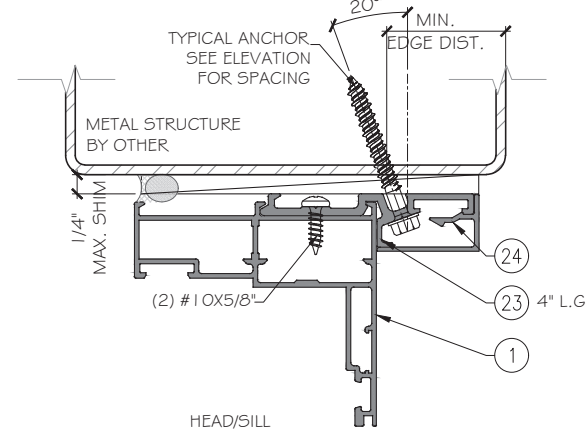
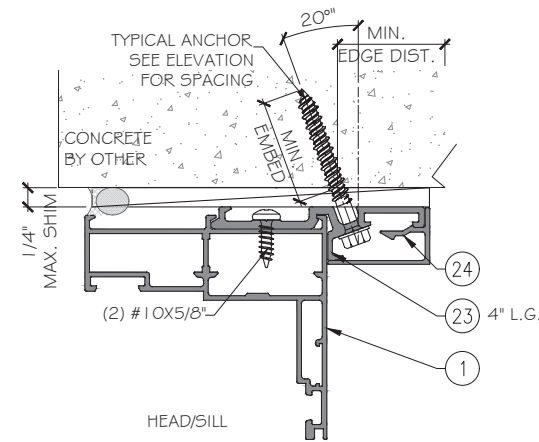
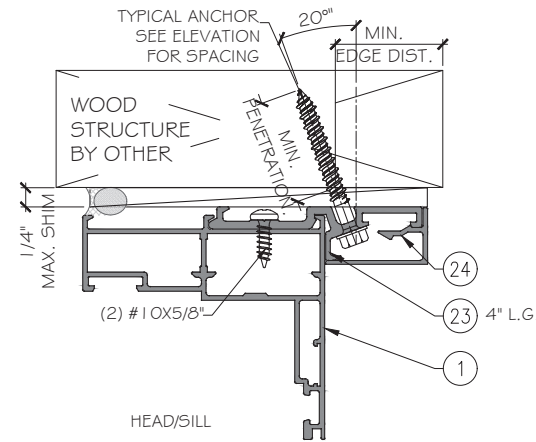
Rev. No.	Date	Drawn By	Description
RO	06.25.2026	JAMES	NEW APPLICATION

Drawn Date 06.25.2026 Scale AS SHOWN

DRAWING NO. AD26-17

A1

Sheet No. 3 OF 10



ANCHOR TYPES:

TYPE "A": 1/4" DIA. ULTRAACON+ BY DEWALT (FU=164 KSI, FY=148 KSI) INTO 2X WOOD BUCK OR WOOD STRUCTURE WITH 1 1/2" MIN. EMBED PENETRATION.

THRU 1X WOOD BUCK INTO CONCRETE WITH 1 3/4" EMBED

THRU 1X WOOD BUCK INTO HOLLOW BLOCK WITH 1 1/4" EMBED OR GROUT FILLED BLOCK WITH 1 3/4" EMBED. (JAMB ONLY)

TYPE "B": 1/4" DIA. ULTRAACON+ BY DEWALT (FU=164KSI, FY=148KSI) 1 3/4" MIN. EMBED INTO CONCRETE

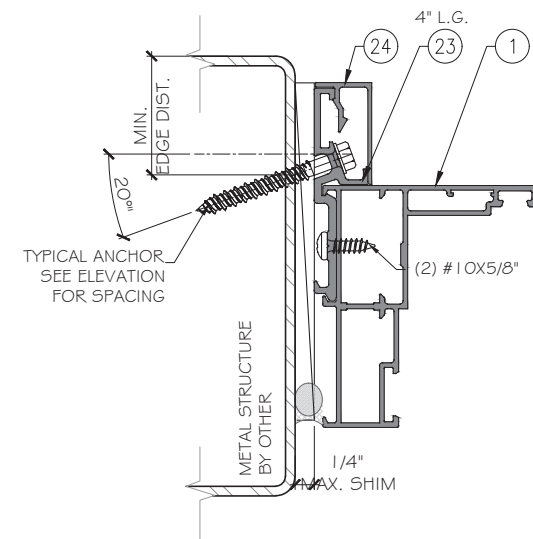
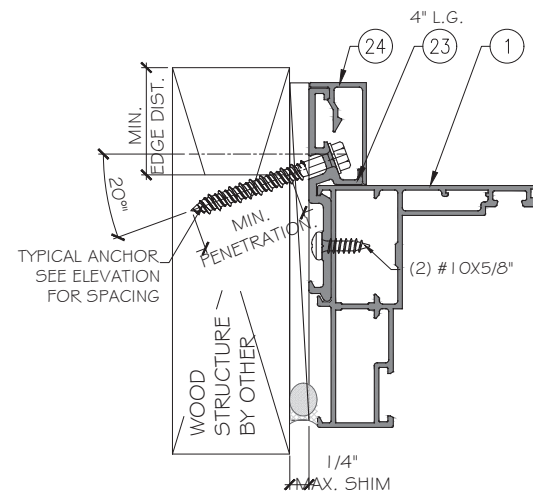
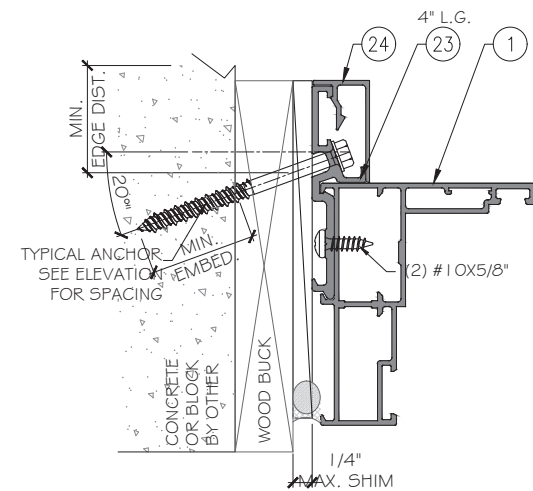
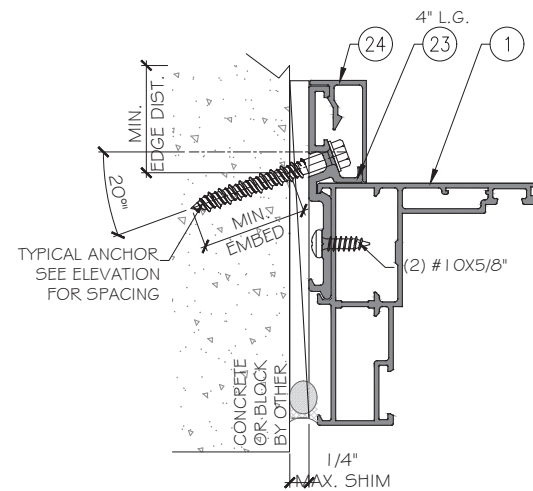
OR 1 1/4" EMBED INTO HOLLOW BLOCK (JAMB ONLY)
OR 1 3/4" EMBED INTO GROUT FILLED BLOCK (JAMB ONLY)

TYPE "C": 1/4" SMS OR TEKS (GRADE 5) (FU=120 KSI, FY=92 KSI) INTO FBC APPROVED MULLIONS OR METAL STRUCTURES. (3) THREADS MIN. PENETRATION BEYOND METAL SUBSTRATE.

ANCHOR EDGED DISTANCE:
INTO CONCRETE & MASONRY= 2 1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL = 3/4"

CONCRETE F'C=3KSI MIN.
C-90 HOLLOW /FILLED BLOCK AT JAMB FM'=2000 PSI MIN.
WOOD SG=0.55 MIN.
ALUMINUM: 1/8" THK. MIN. (6063-T5. MIN.)
STEEL: 12GA OR 1/8" THK. MIN. ASTM A653 GRADE 33 (FY=36KSI) MIN.
(STEEL IN CONTACT WITH ALUMINUM TO BE ISOLATED OR PAINTED.)

NOTE:
WOOD BUCKS/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.



FL48233.1

YIPING WANG

REGISTERED PROFESSIONAL ENGINEER

No 55988

STATE OF FLORIDA

June 26th, 2026

MCY ENGINEERING, INC.

GLAZING CONSULTANTS

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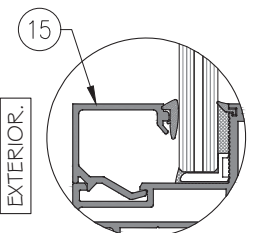
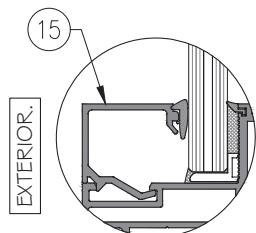
Rev. No.	Date	Drawn By	Description
RO	06.25.2026	JAMES	NEW APPLICATION

Drawn Date 06.25.2026 Scale AS SHOWN

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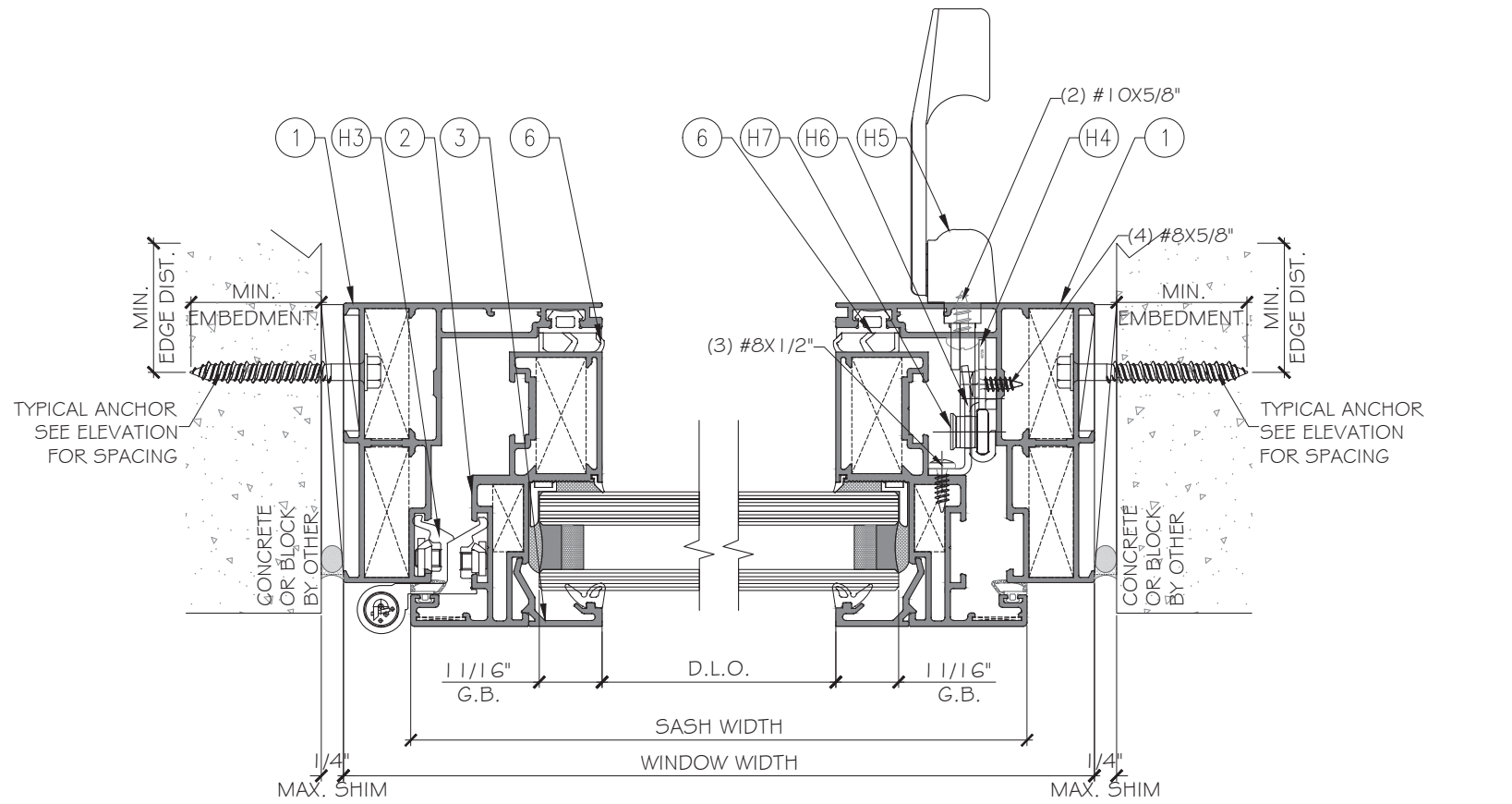
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Sheet No. 4 OF 10



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5 OF 10

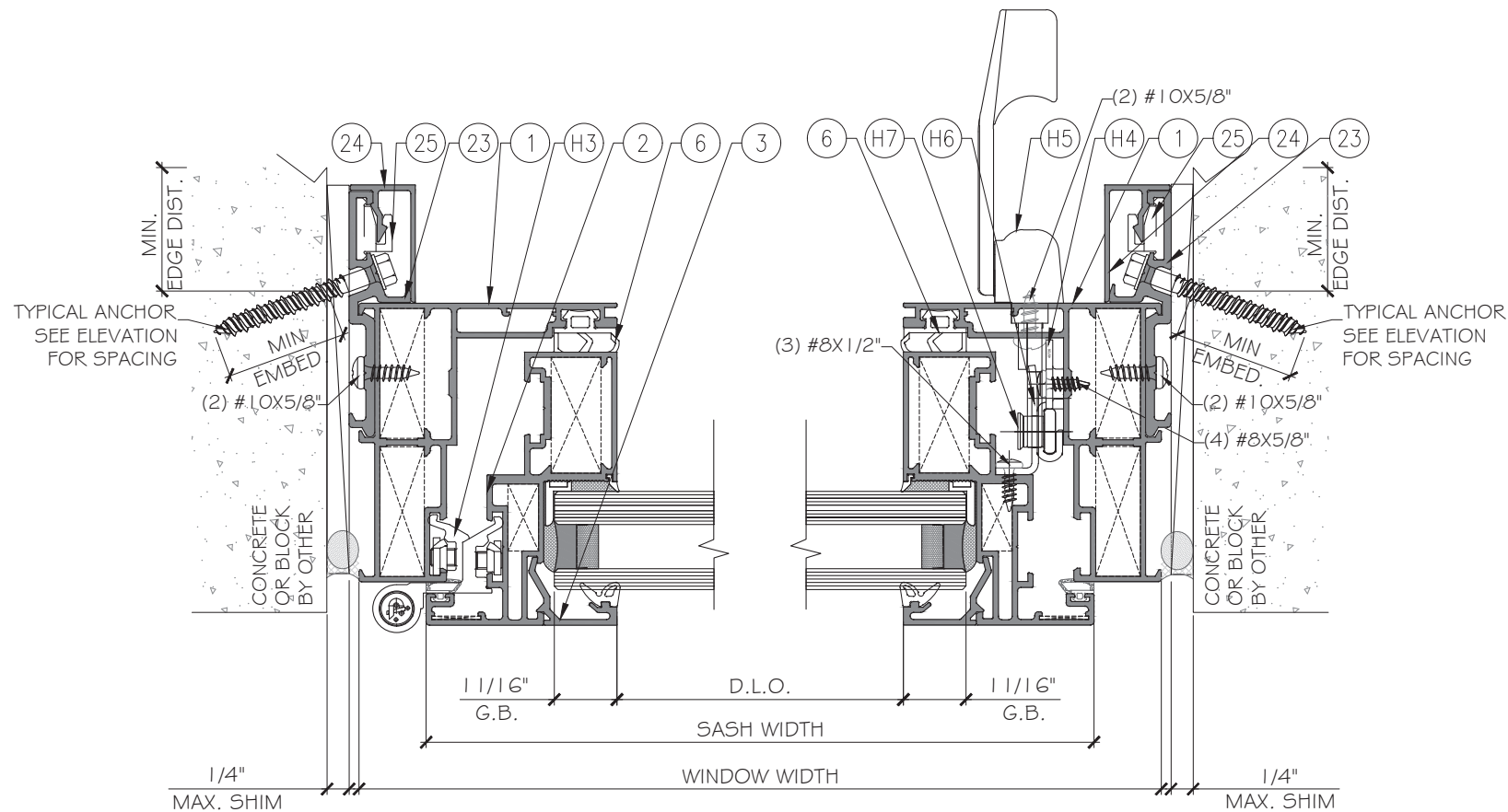
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1
D2
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EXTERIOR.

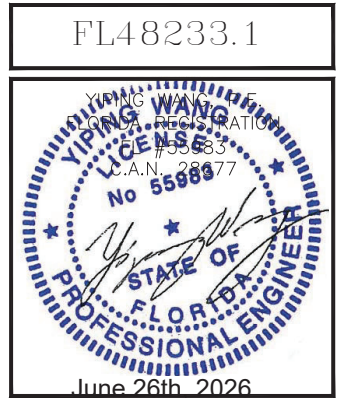
2
D2
DETAIL



3
D2
DETAIL

EXTERIOR.

4
D2
DETAIL



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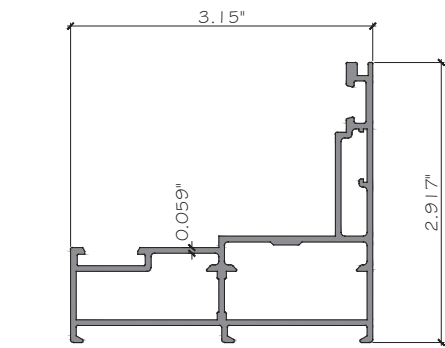
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Drawn Date 06.25.2026 Scale AS SHOWN

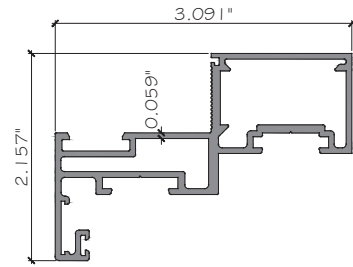
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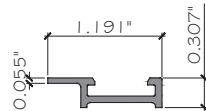
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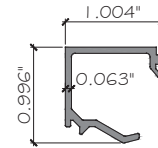
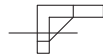
1 FRAME DC1122
ALUMINUM, 6063-T6



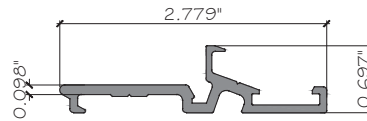
2 SASH DC1121
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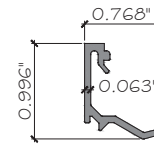
3 HARDWARE PROFILE
DC1123
ALUMINUM, 6063-T6



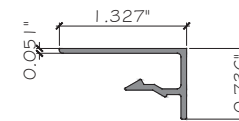
4 LAMINATED GLAZING BEAD
6255
ALUMINUM, 6063-T6



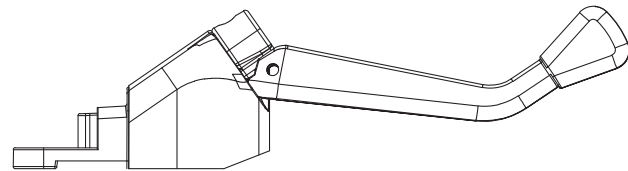
23 STRAP ANCHOR
DC1128
ALUMINUM, 6063-T5



5 INSULATED GLAZING BEAD
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24 COVER
DC1129
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H1



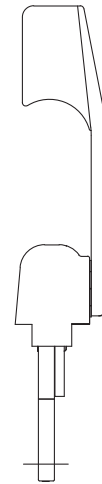
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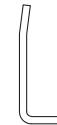
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H4



H5

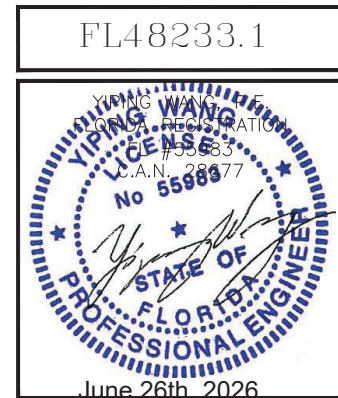


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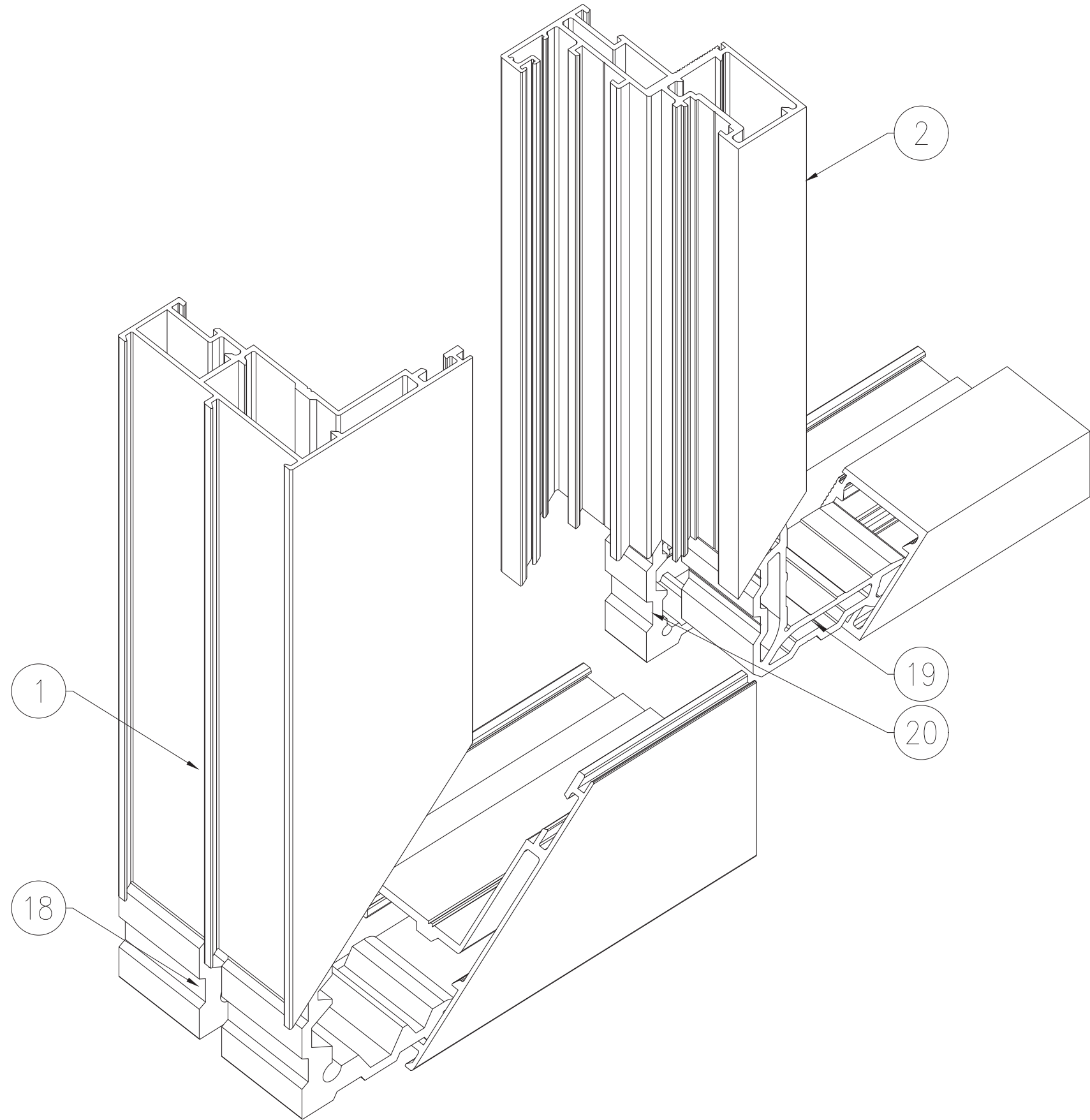


H7

CASEMENT WINDOW HARDWARE COMBINATIONS:
OPTION 1: 4 BAR HINGE & MULTI-POINT LOCK WITH TIE BAR & CENTRAL AWNING OPERATOR.
OPTION 2: CONVENTIONAL HINGE & PERIMETRAL LOCK & SINGLE ARM OPERATOR.
OPTION 3: CONVENTIONAL HINGE & MULTI-POINT LOCK WITH TIE BAR & CENTRAL AWNING OPERATOR.
OPTION 4: 4 BAR HINGE & PERIMETRAL LOCK & SINGLE ARM OPERATOR.



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R0	06.25.2026	JAMES	NEW APPLICATION
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PART			
Sheet No. 7 OF 10			



FRAME CORNER ASSEMBLY

FL48233.1

YIPING WANG

REGISTERED PROFESSIONAL ENGINEER

FLORIDA

No 55983

June 26th, 2026

06.25.2026

06.25.2026

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DRAWING NO.		AD26-17	
ASSEMBLY		Sheet No.	
9		OF 10	
Drawn Date	Scale	Rev. No.	Description
06.25.2026	AS SHOWN	R0	NEW APPLICATION
06.25.2026		JAMES	Drawn By

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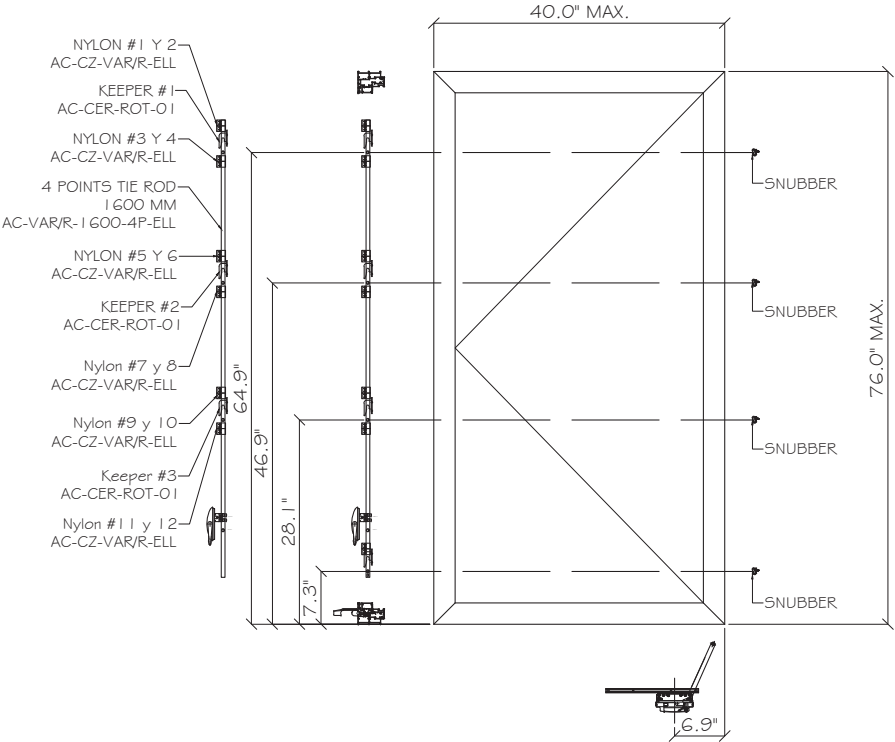
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mcy@mcyengineering.com

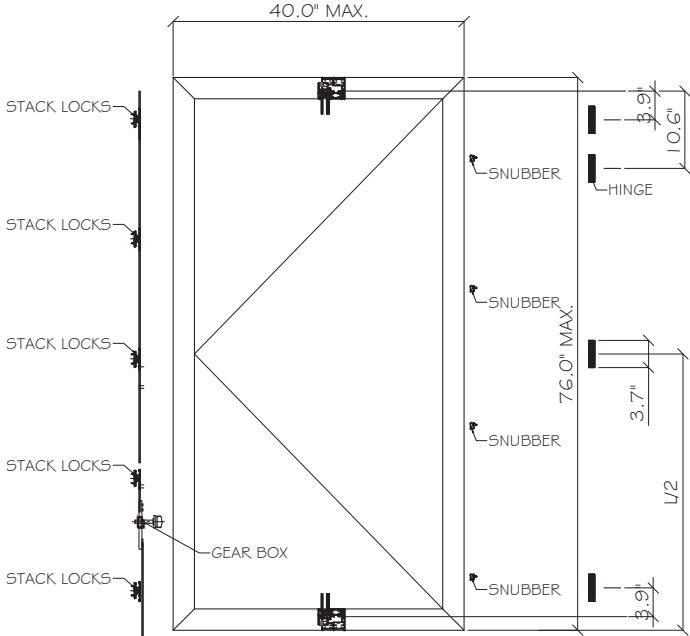
HARDWARE COMBINATION #1

- 4-BAR-HINGE SET
- 4 POINTS TIE ROD (1 600 MM)
- 4 KEEPERS
- 4 SETS OF SNUBBERS
- 1 SIDE ROTOR
- 1 ROTOR RAIL
- 14 GUIDE NYLONS FOR TIE ROD
- 1 MULTIPPOINT LOCK



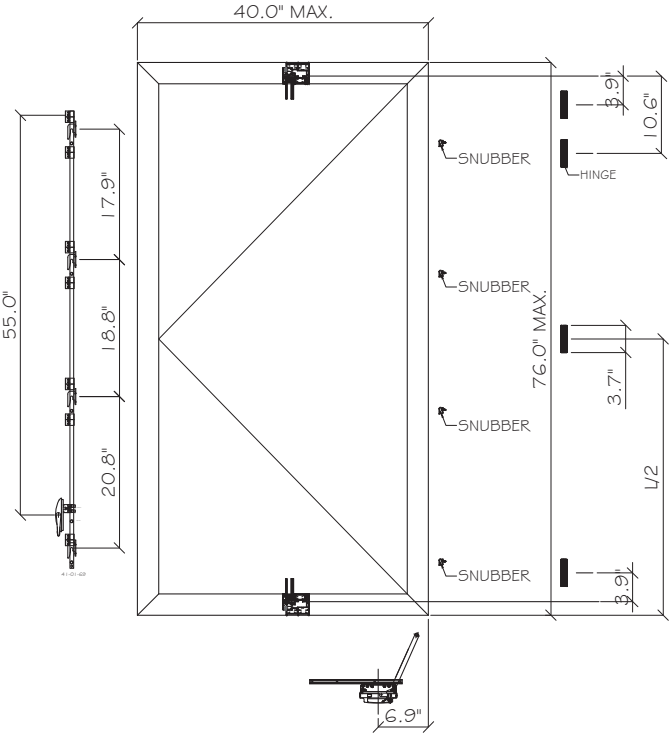
HARDWARE COMBINATION #2

- 4 EUROPEANS HINGES
- 4 SET OF SNUBBERS
- 5 STAC LOCKS
- 1 GEARBOX + HANDLE



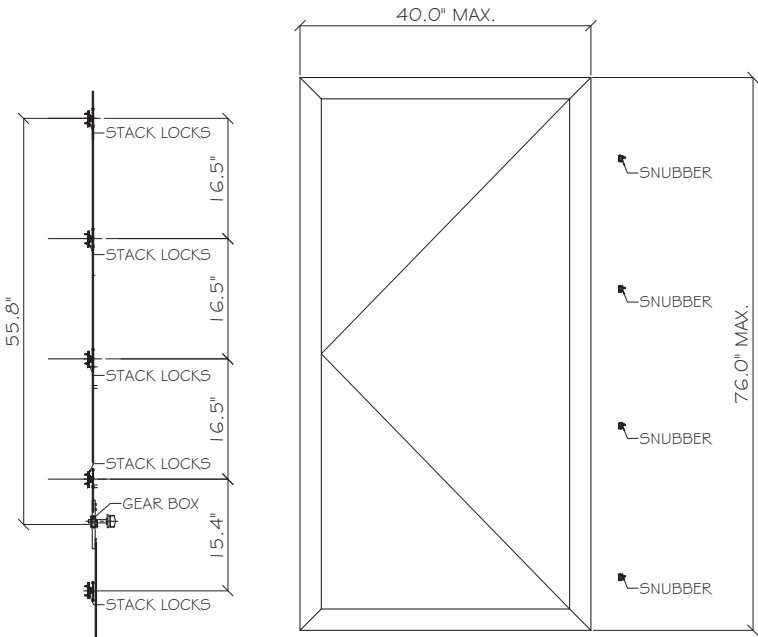
HARDWARE COMBINATION #3

- 4 EUROPEANS HINGES
- 4 POINTS TIE ROD (1 600 MM)
- 4 SETS OF SNUBBERS
- 1 SIDE ROTOR
- 1 MULTIPPOINT LOCK
- 1 ROTOR RAIL
- 14 GUIDE NYLONS FOR TIE ROD
- 4 KEEPERS



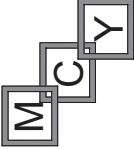
HARDWARE COMBINATION #4

- 4-BAR-HINGE SET
- 4 SET OF SNUBBERS
- 5 STAC LOCKS
- 1 GEARBOX + HANDLE



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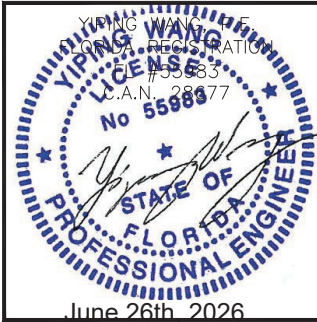
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HARDWARE

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