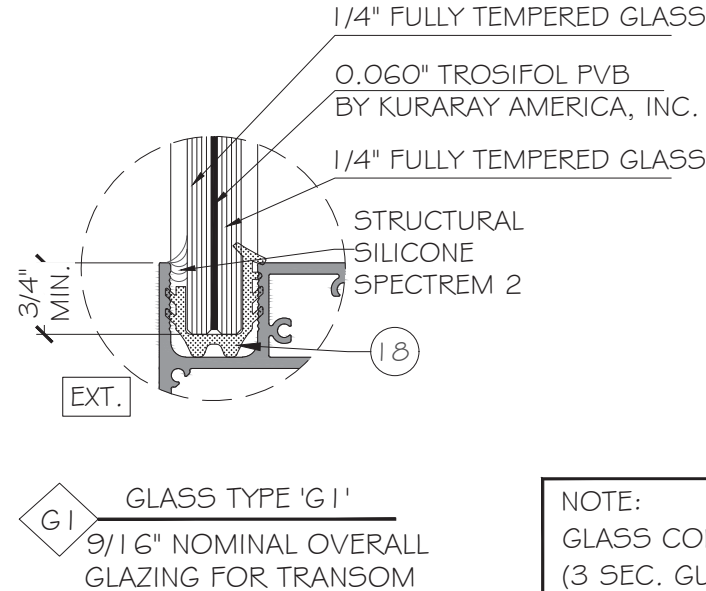
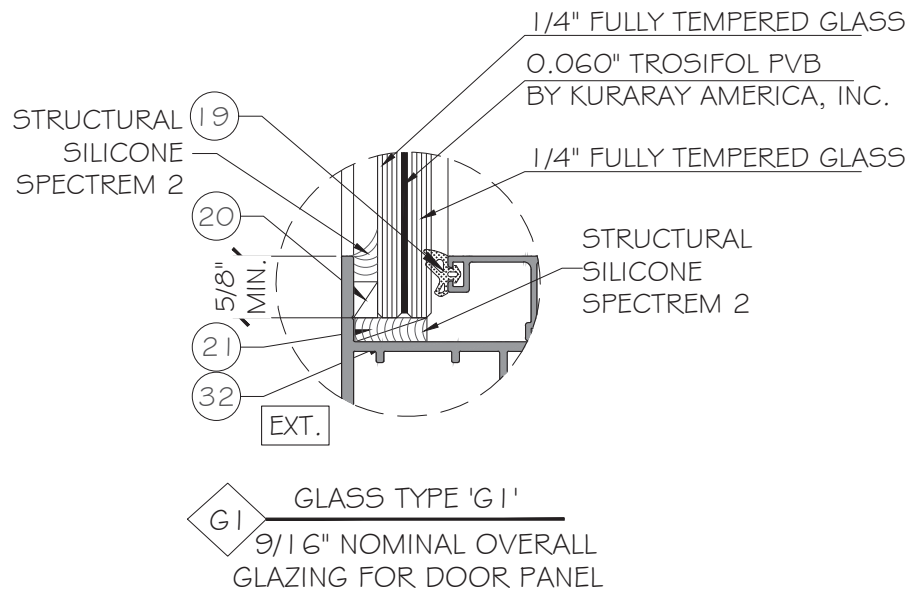


GLOBAL PERFORMANCE WINDOWS, INC.
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TERRACE DOOR TD10 - SMI



NOTE:
GLASS COMPLIES WITH ASTM E1300-09
(3 SEC. GUSTS), GLASS COMPLIES WITH
REQUIREMENTS OF ANSI Z97.1.

GENERAL NOTES:

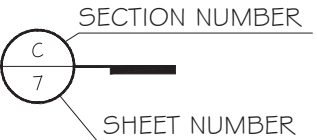
- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION OF FLORIDA BUILDING CODE 2023 INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOORS ARE RATED FOR SMALL MISSILE IMPACT. IMPACT SHUTTERS ARE NOT REQUIRED WHEN PRODUCT USED ABOVE 30FT OF GRADE.
- THESE DOORS 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. A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- 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 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.
- SEALANT:
ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME
INSTALLATION FASTENERS SEALED WITH SILICONE SEALANT

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 E1 FOR APPROVED TYPICAL ELEVATION & CONFIGURATION.
- STEP 3:** ANCHOR OPTION SEE SHEET A1. ANCHOR LAYOUT SEE SHEET E1.
- 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

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
O.H. - OPPOSITE HAND
OPP.- OPPOSITE



- 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. 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.



REVISIONS		
NO.	DATE	DESCRIPTION
1	06.25.2026	NEW APPLICATION

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

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www.MCYEngineering.com MCY@mcyengineering.com

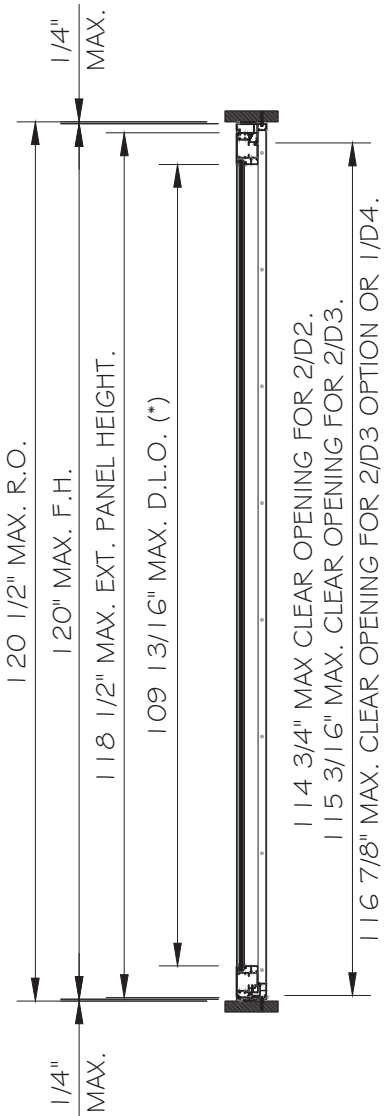
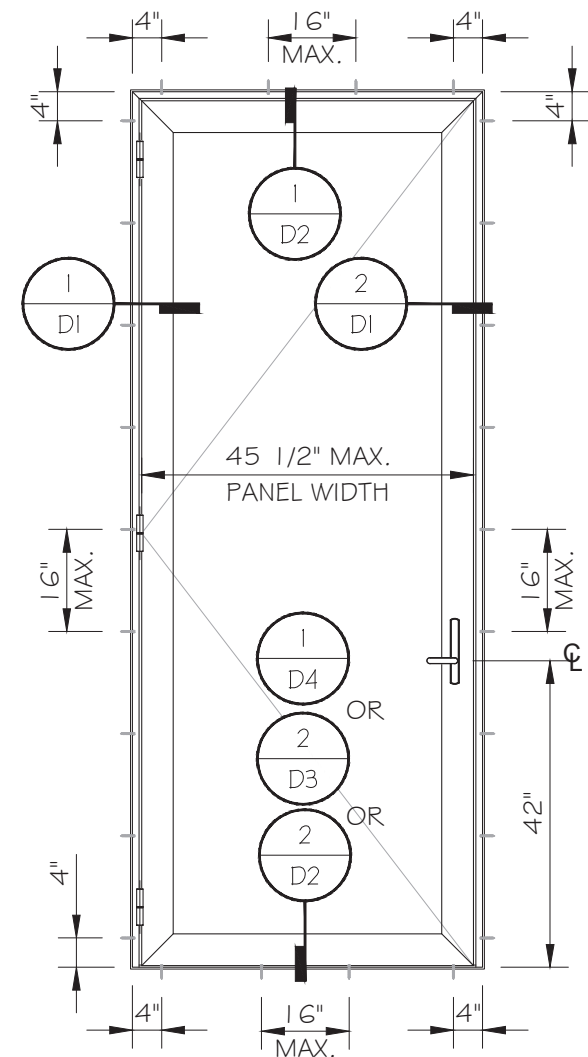
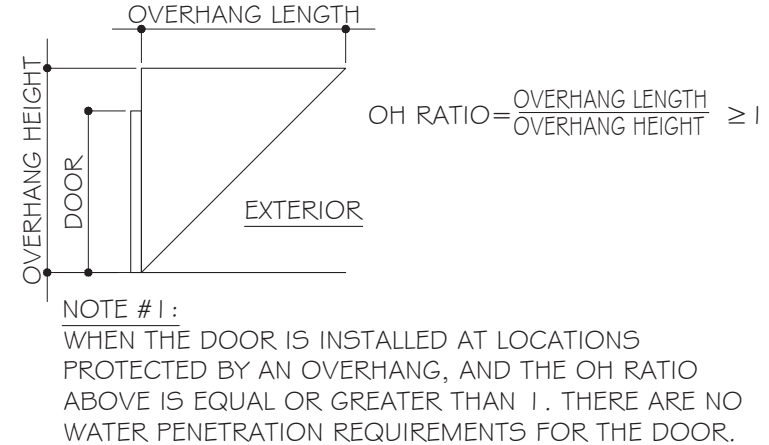
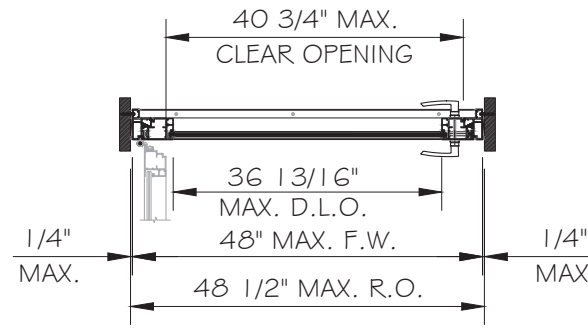
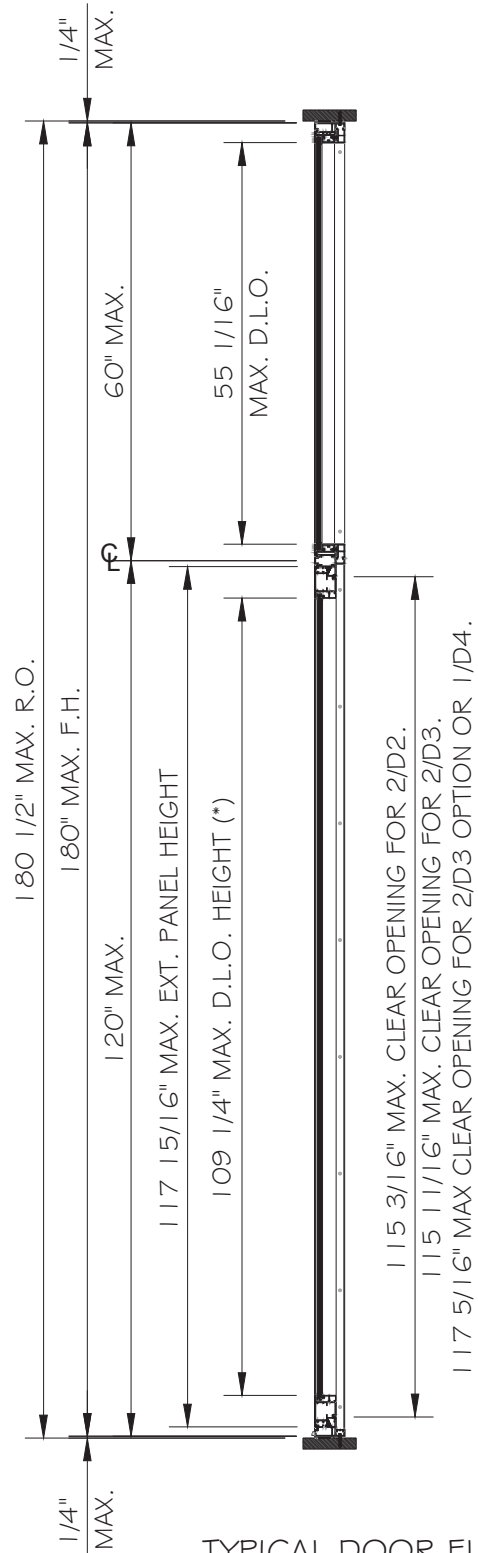
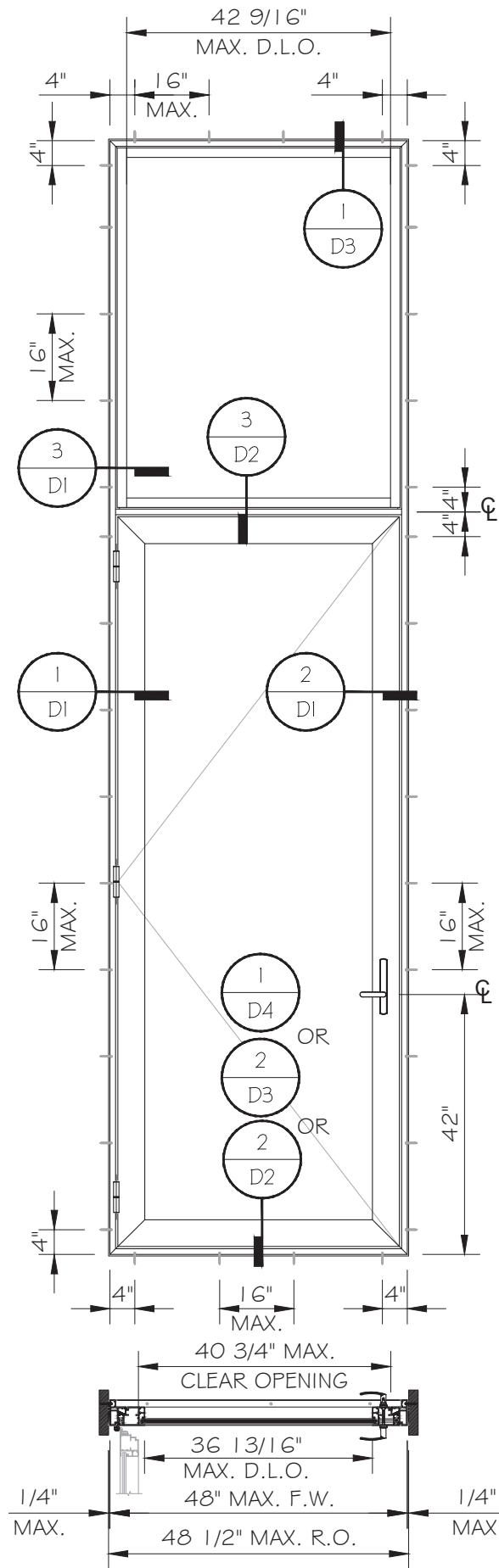
TERRACE DOOR TD10 - SMI

GLOBAL PERFORMANCE WINDOWS, INC.
DBA EPSYLON USA

POMPANO BEACH FL 33069 2115 S.W. 2ND STREET
TEL.: (954) 942-3322 FAX: (954) 942-3215

DATE	06.25.2026
SCALE	AS NOTED
DRAWN	James
PROJECT	

COVER
DRAWING NO. AD26-36
1 OF 12

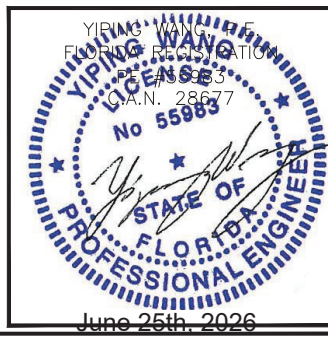


TYPICAL DOOR ELEVATIONS

DESIGN PRESSURE (ASD)	
ANCHOR TYPE	FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC
A	+/-96.8 PSF
B & C	+/-110 PSF

(*)DLOH FOR TYPICAL DOOR FOR HEAD AND SILL WITH PART #14004.
WHEN USE HIGH BOTTOM RAIL 1/D4
DLOH=EXT. PANEL HEIGHT - 14 5/16".

HARDWARE OPTION SEE SHEET 8 & 9.



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TEL.: (954) 942-3322 FAX: (954) 942-3215

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DATE	06.25.2026
SCALE	AS NOTED
DRAWN	James
PROJECT	

E1

DRAWING NO.
AD26-36

2 OF 12

TYPICAL ANCHOR TYPES:
SEE ELEVATIONS FOR SPACING

TYPE "A": 1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
WITH 1 1/2" MIN. PENETRATION INTO WOOD (HEAD/JAMB)
OR THRU 1BY WOOD BUCK
WITH 1 3/4" MIN. EMBED INTO CONCRETE (HEAD/JAMB)
WITH 1 3/4" MIN. EMBED INTO GROUT FILLED BLOCK (JAMB ONLY)

TYPE "B": 1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)
WITH 1 3/4" MIN. EMBED INTO CONCRETE. (HEAD/ SILL/ JAMB)
WITH 1 3/4" MIN. EMBED INTO GROUT FILLED BLOCK. (JAMB ONLY)

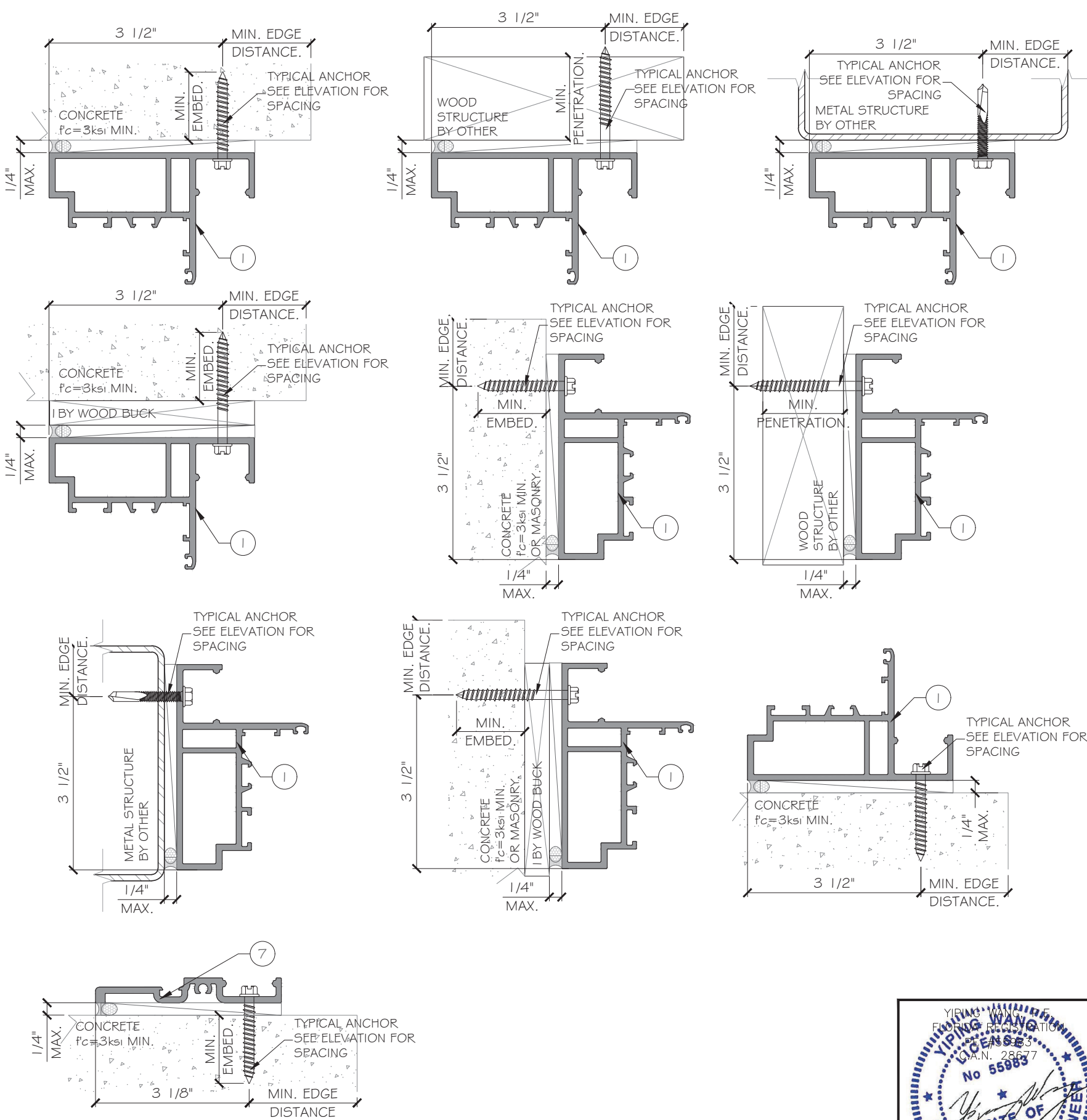
TYPE "C": 1/4" TEKS OR SELF DRILLING SCREW(GRADE 5) ($F_u=120$ KSI, $F_y=90$ KSI)
INTO METAL STRUCTURE OR FLORIDA APPROVED MULLIONS. (HEAD/JAMB)
(3) THREAD MIN PENETRATION BEYOND METAL STRUCTURE.
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PANTED).

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 $f_c = 3000$ PSI MIN.
C-90 GROUT FILLED BLOCK AT JAMBS, $f_m=2$ ksi MIN.
STEEL: 12 GA. MIN. ($F_y=36$ KSI MIN.)
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)

GLAZING BEAD AT FRAME SILL SEALED TO GLASS WITH DOW CORNING 983.
FRAME CORNERS SEALED WITH DOW CORNING 999 OR EQUAL COMPATIBLE

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



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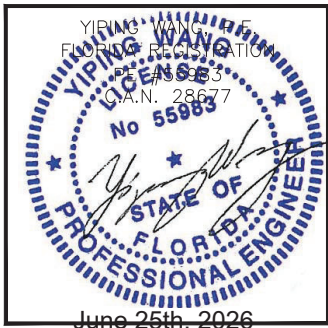
12781 MIRAMAR PARKWAY #301 P: 305.588.5224
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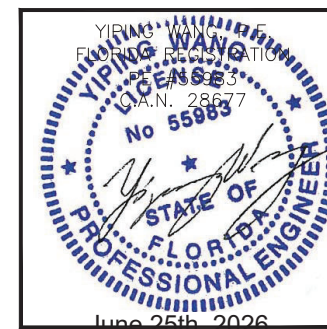
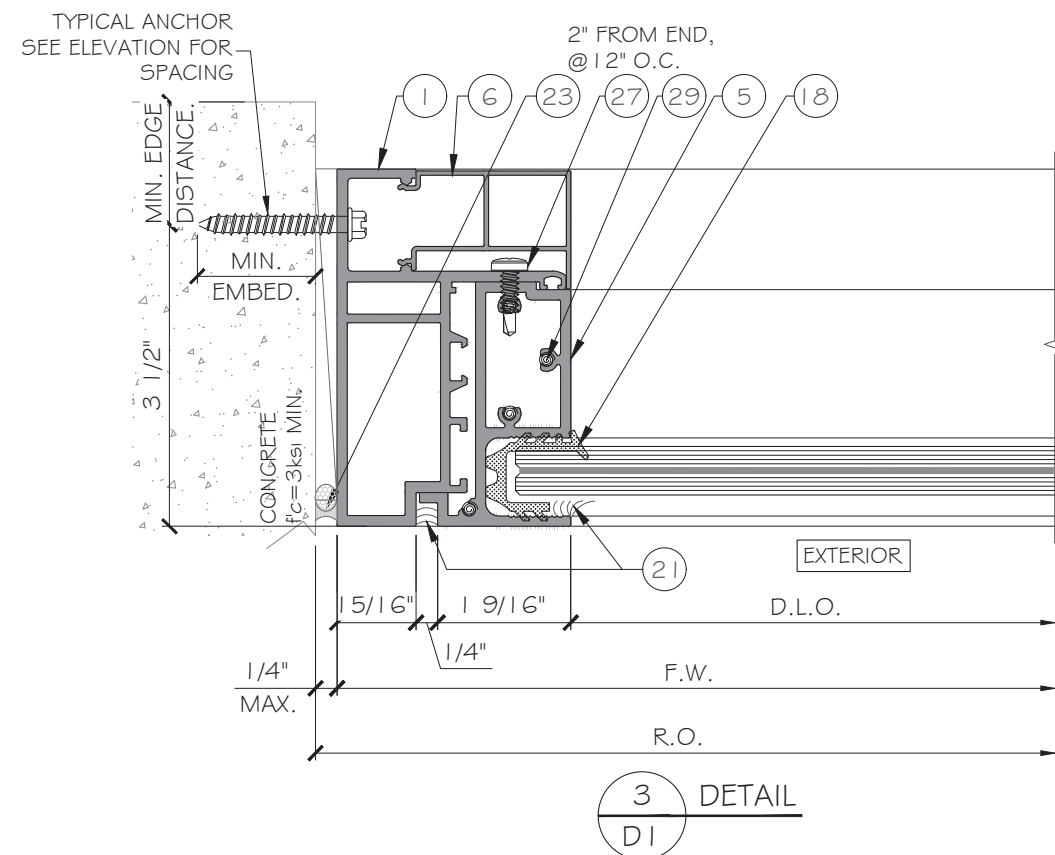
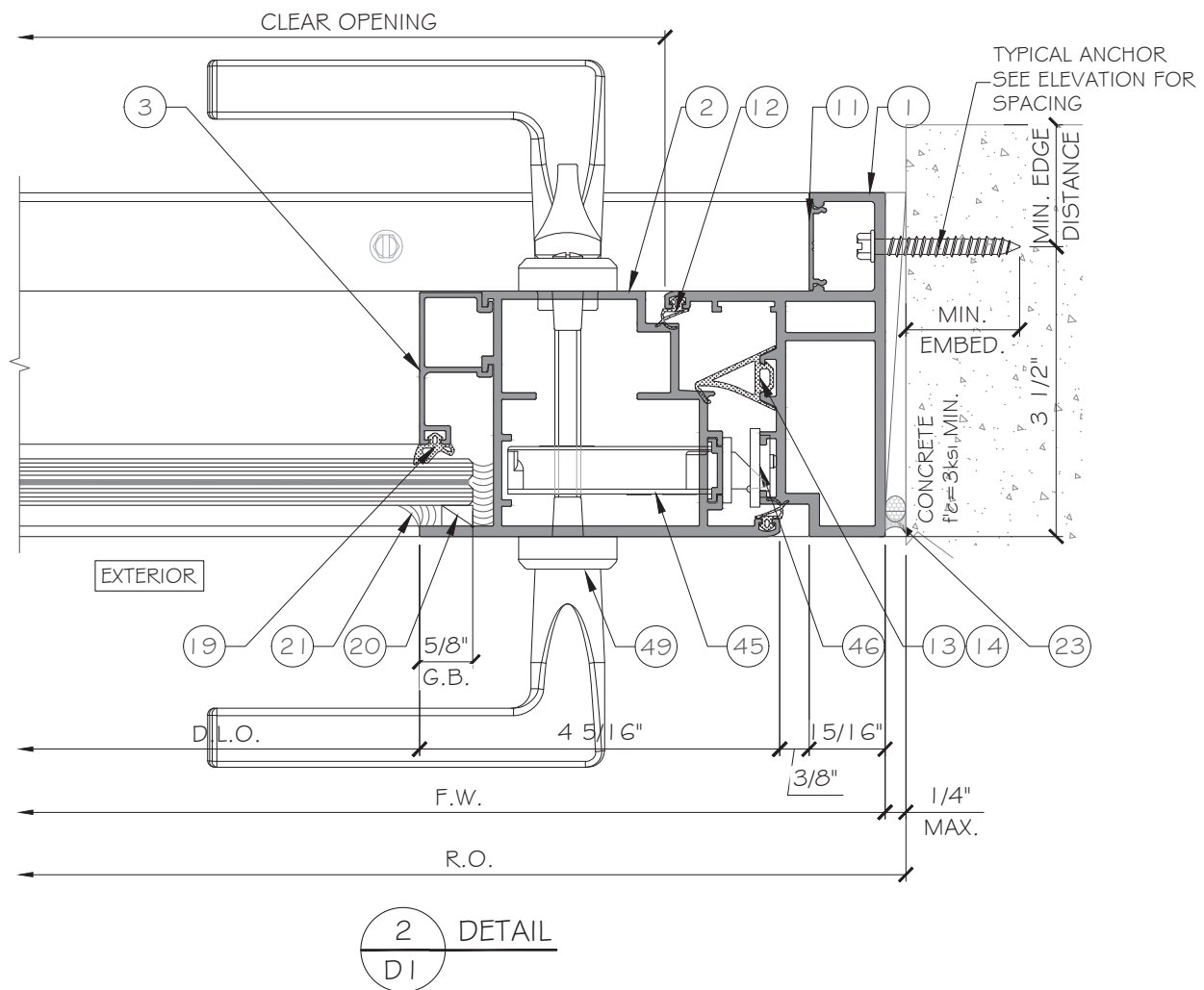
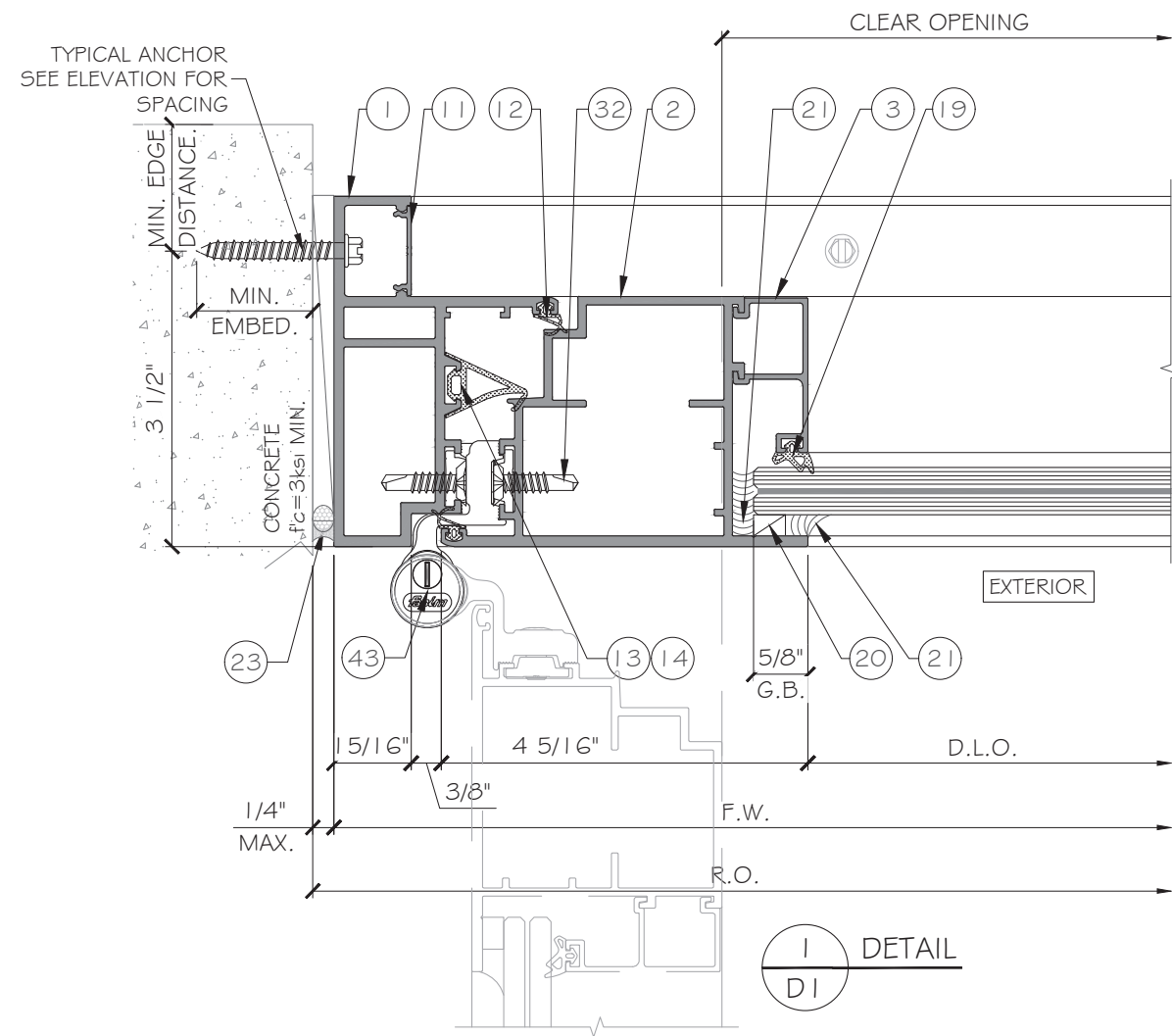
TERRACE DOOR TD10 - SMI

GLOBAL PERFORMANCE WINDOWS, INC.
DBA EPSYLON USA

POMPANO BEACH FL 33069 2115 S.W. 2ND STREET
TEL.: (954) 942-3322 FAX: (954) 942-3215

FL47416.2	
DATE	06.25.2026
SCALE	AS NOTED
DRAWN	James
PROJECT	
A1	
DRAWING NO.	
AD26-36	
3 OF 12	





NO.	DATE	DESCRIPTION	NEW APPLICATION
1	06.25.2026		

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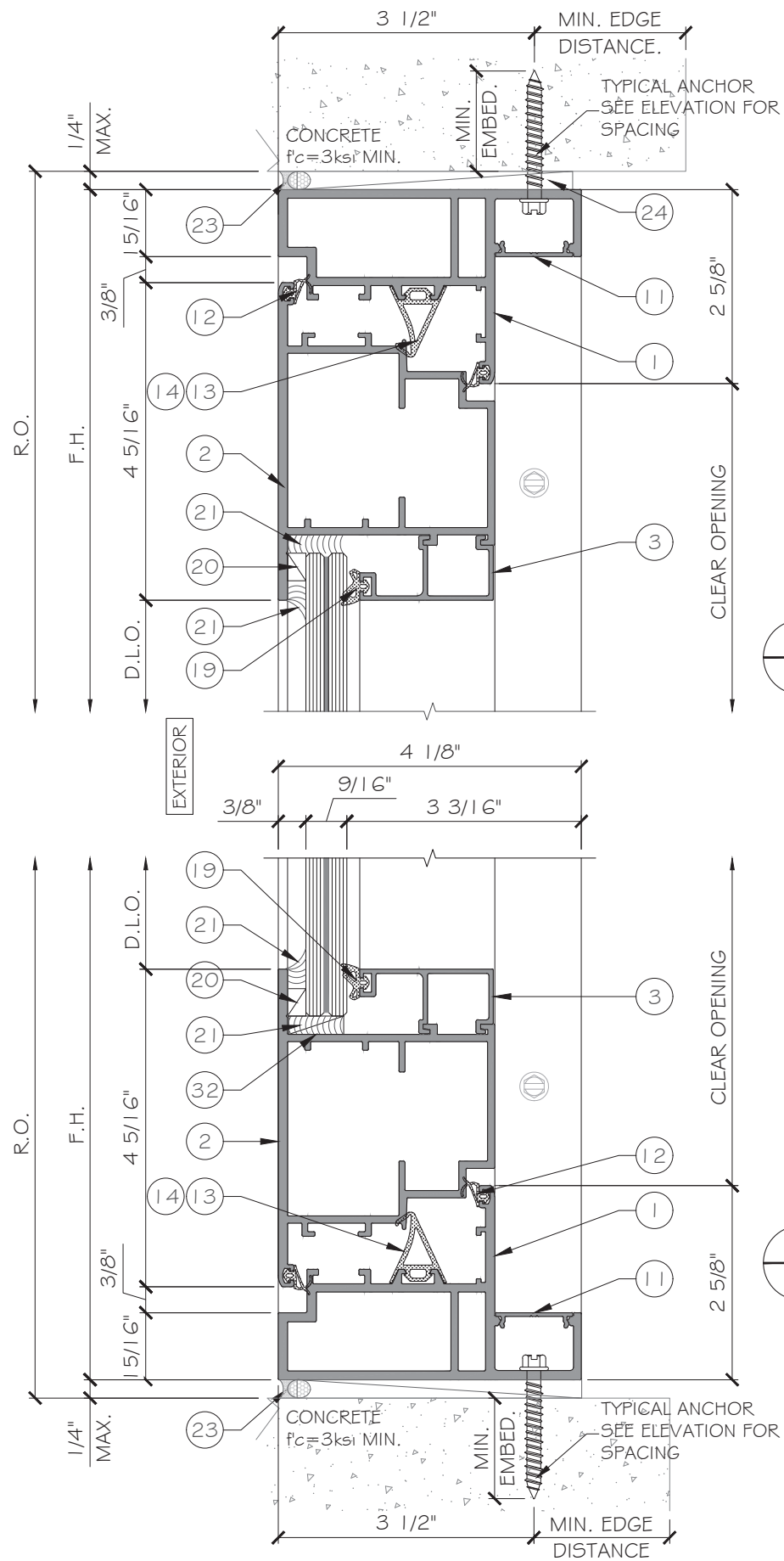
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PROJECT	

D1

DRAWING NO.
AD26-36

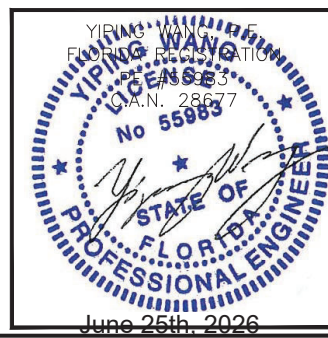
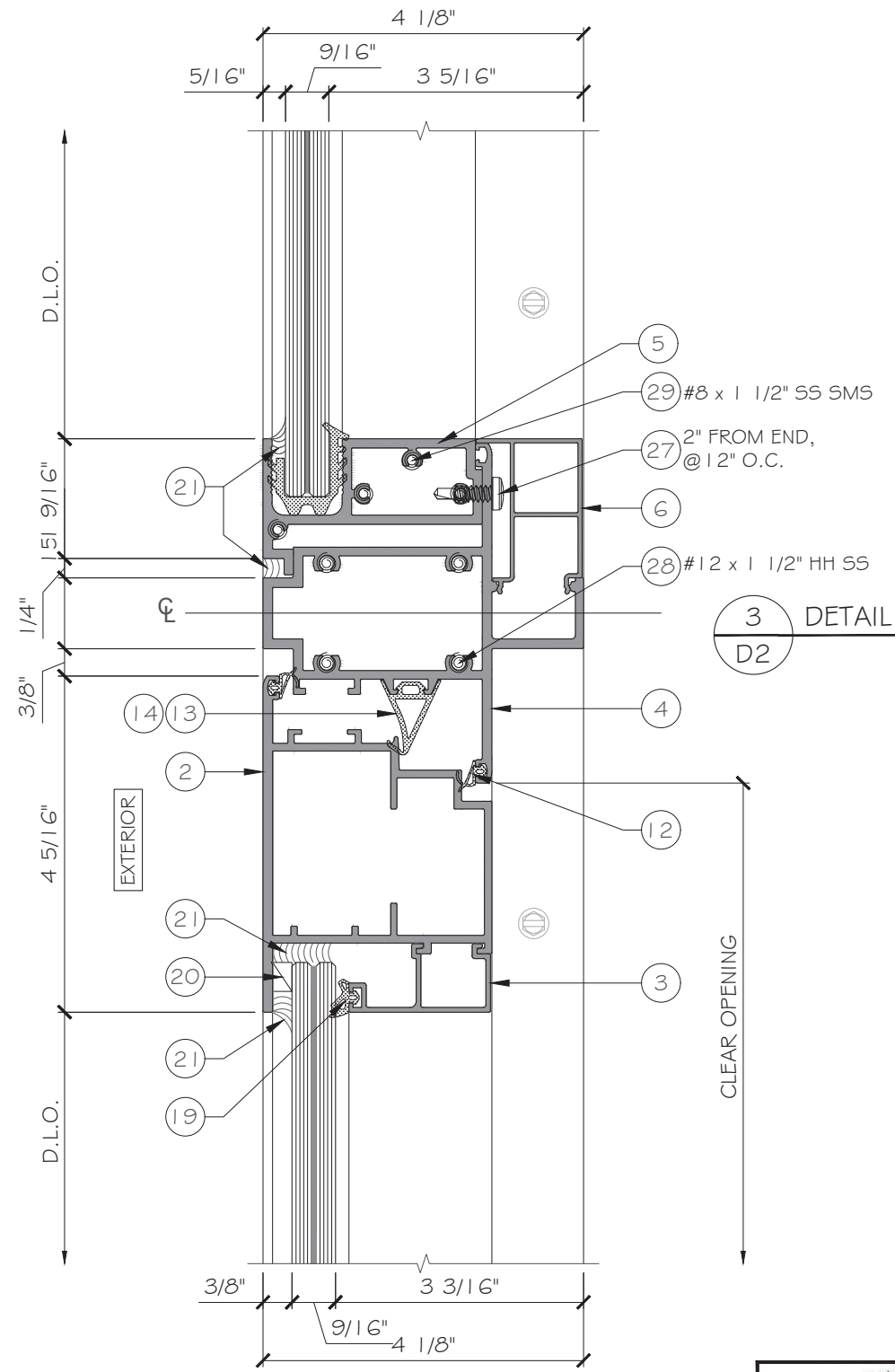
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1
D2

2
D2

APPROVED FOR
WATER INFILTRATION
RESISTANCE.



REVISIONS		
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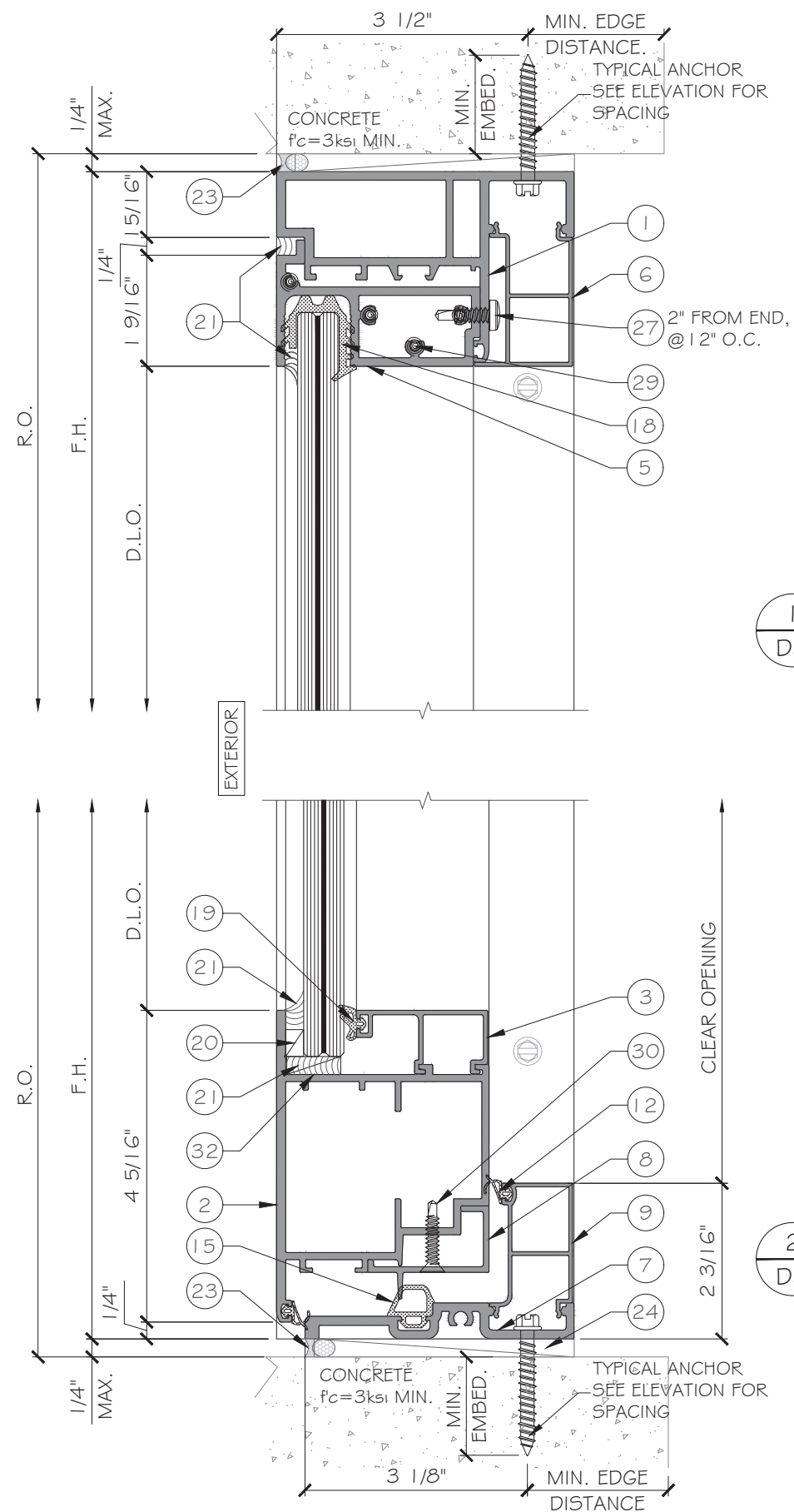
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DATE	06.25.2026
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DRAWN	James
PROJECT	

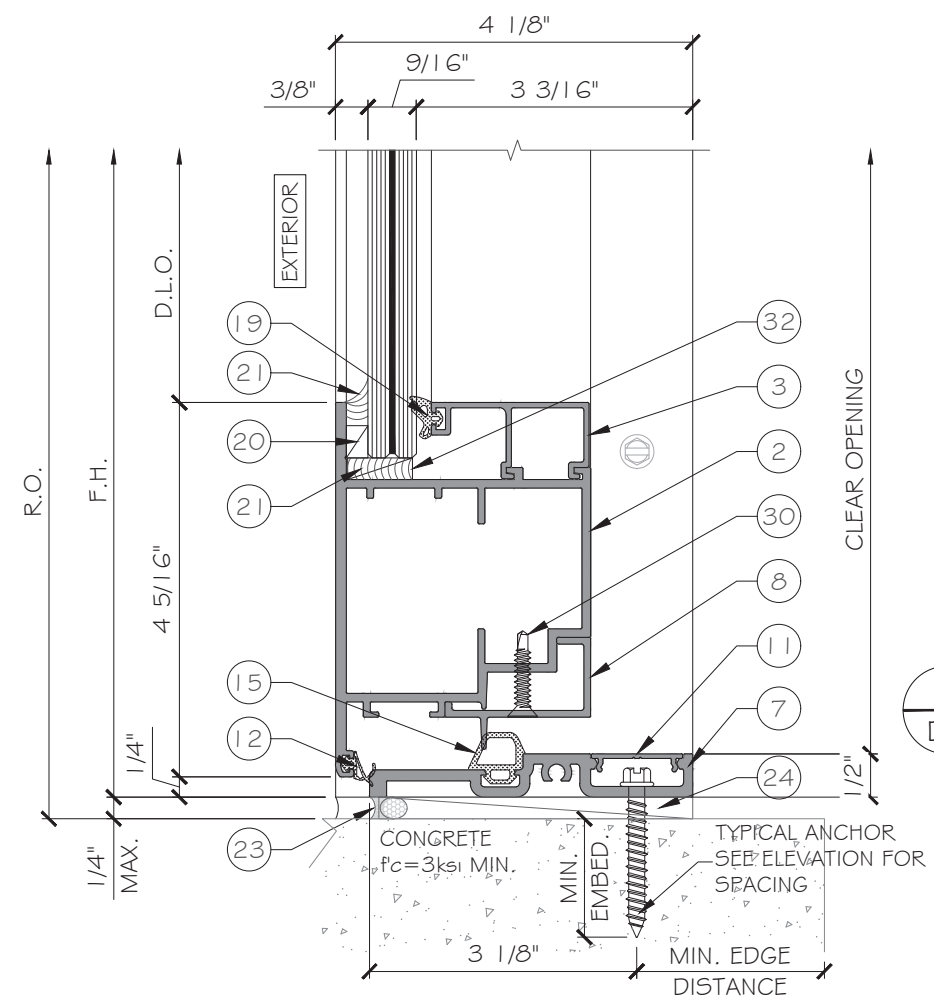
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DRAWING NO.
AD26-36

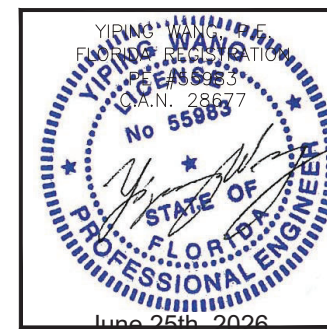
5 OF 12



1
D3



2 DETAIL OPTION
D3 NOT APPROVED FOR
WATER INFILTRATION
RESISTANCE.



REVISIONS		
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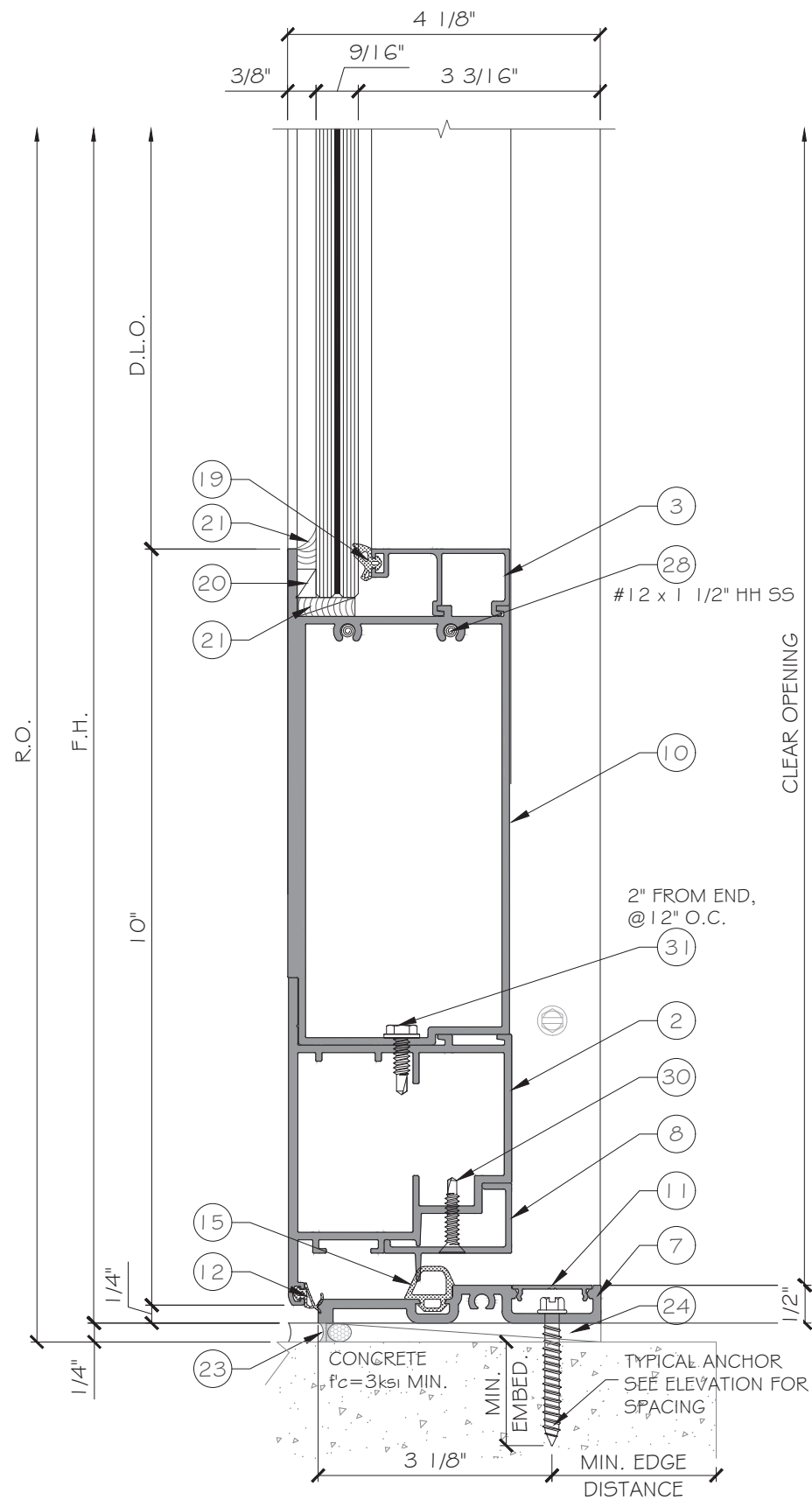
DATE	06.25.2026
SCALE	AS NOTED
DRAWN	James
PROJECT	

D3

DRAWING NO.
AD26-36

6 OF 12

~~June 25th, 2026~~



I	DETAIL OPTION
D4	ADA DOOR BOTTOM RAIL. NOT APPROVED FOR WATER INFILTRATION RESISTANCE.

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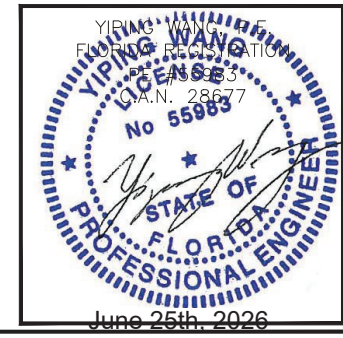
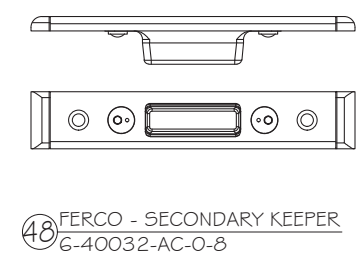
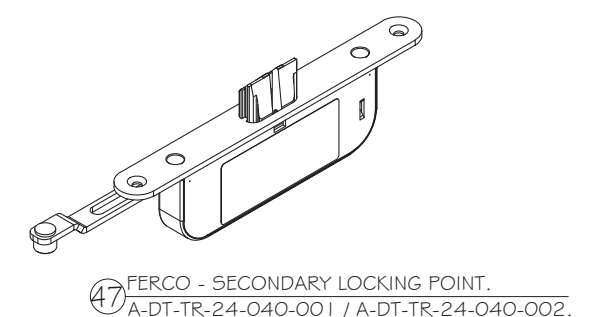
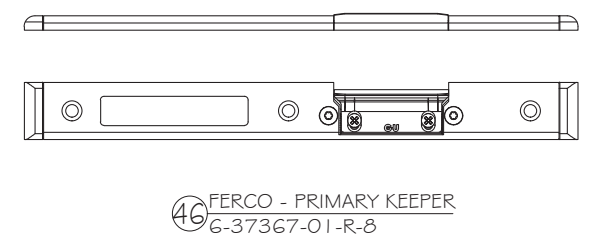
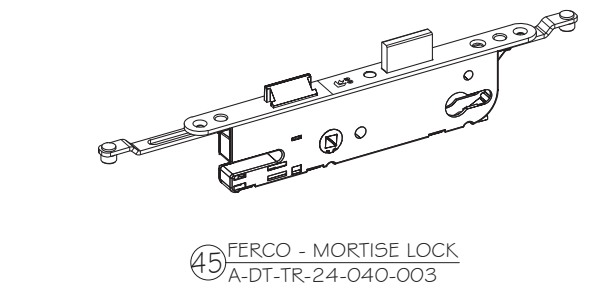
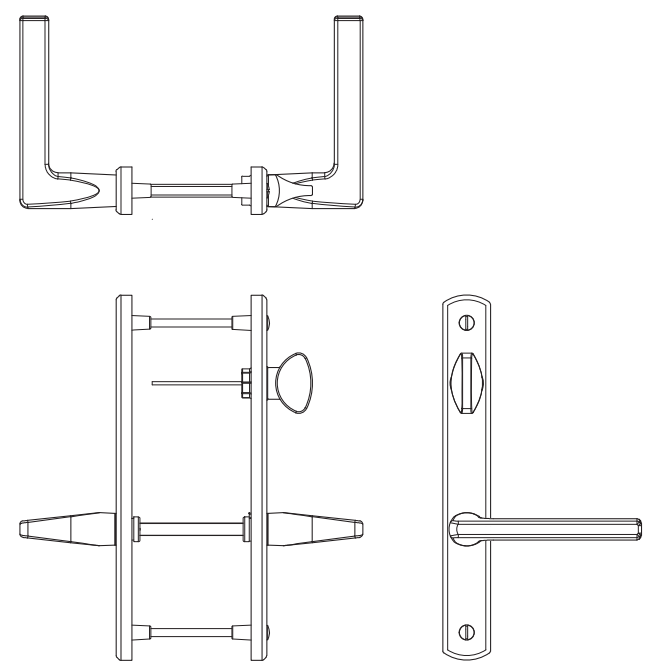
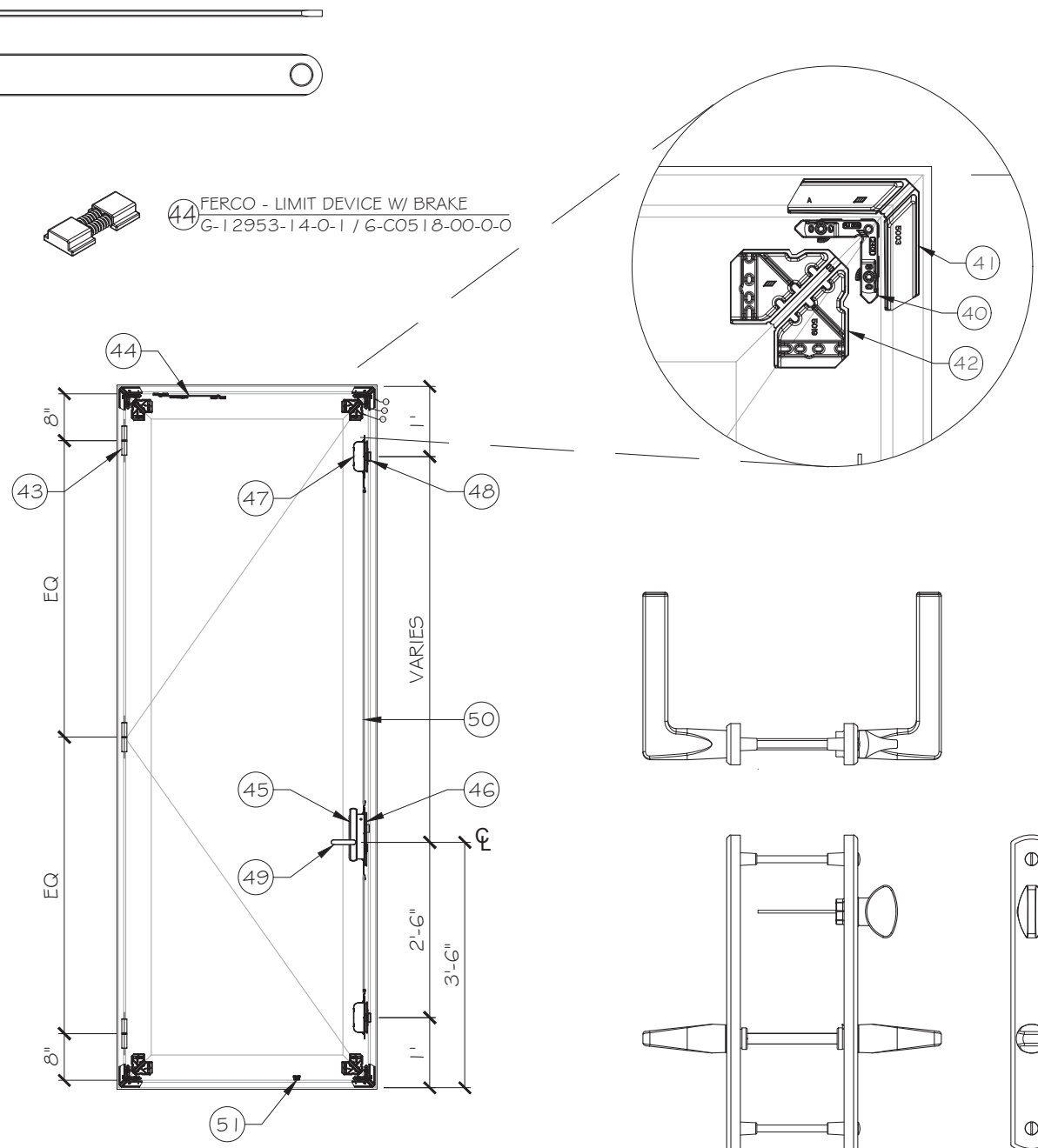
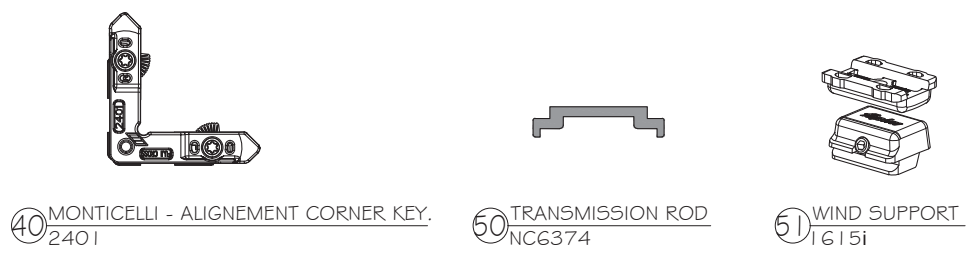
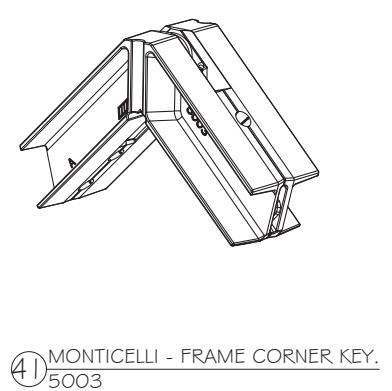
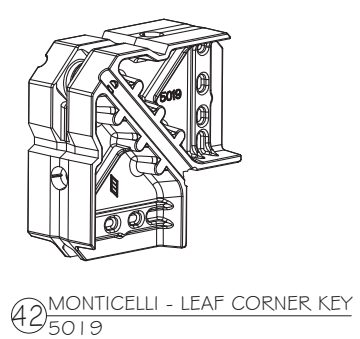
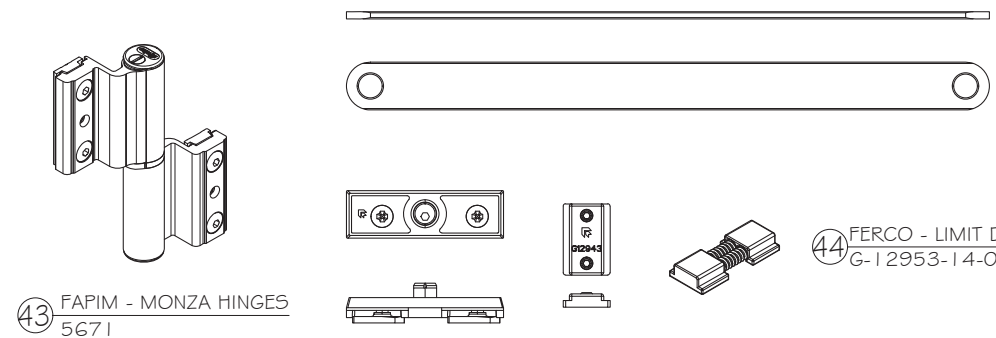
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D4

DRAWING NO.
AD26-36

7 OF 12

HARDWARE OPTION #1



REVISIONS		
NO.	DATE	DESCRIPTION
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TEL.: (954) 942-3322 FAX: (954) 942-3215

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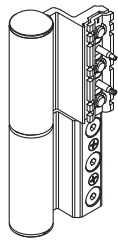
DATE	06.25.2026
SCALE	AS NOTED
DRAWN	James
PROJECT	

HARDWARE 1

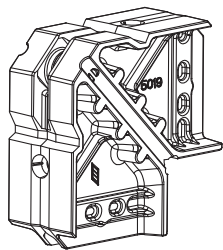
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AD26-36

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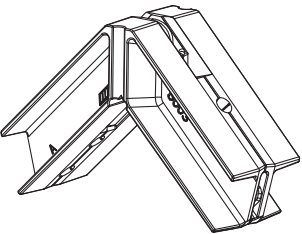
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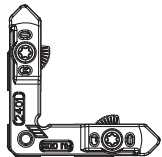
62 GIESSE - FULCRA HINGES
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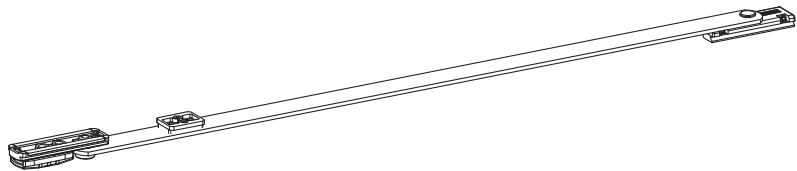
42 MONTICELLI - LEAF CORNER KEY.
5019



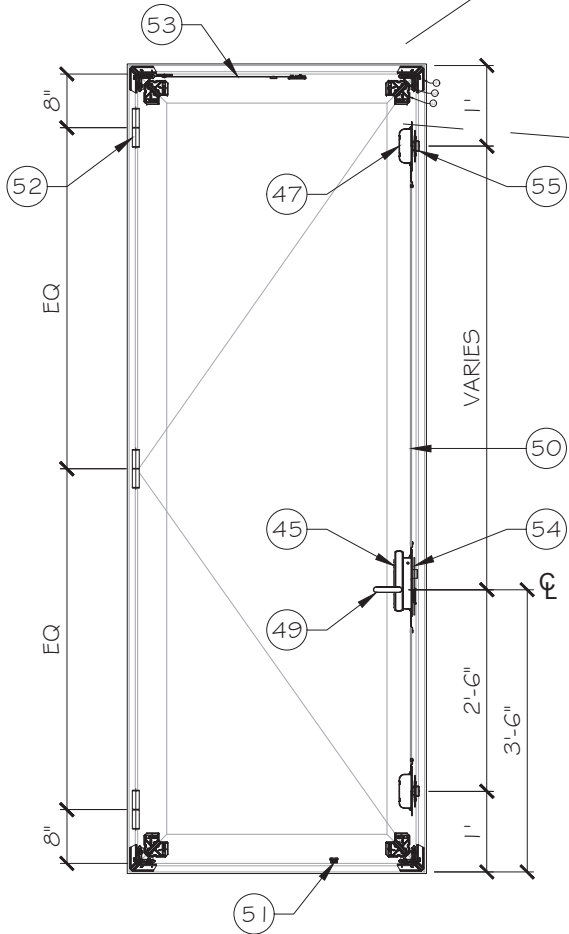
41 MONTICELLI - FRAME CORNER KEY.
5003



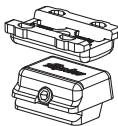
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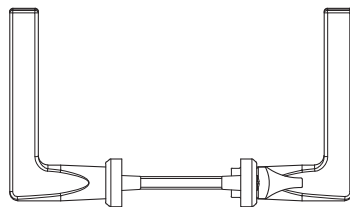
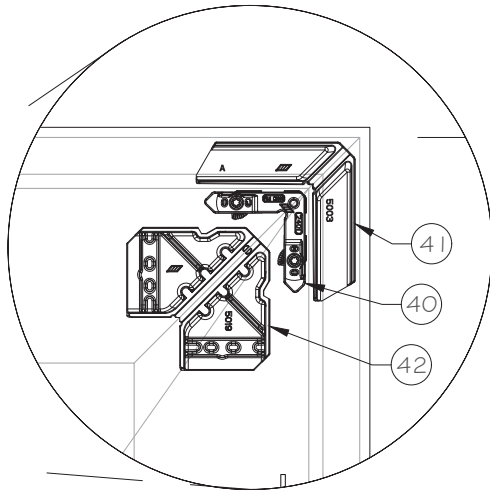
53 FAPIM - LIMIT DEVICE
1459B



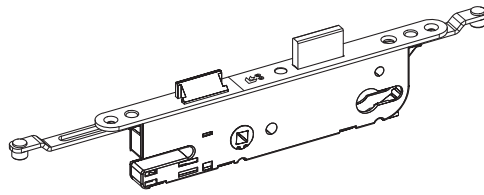
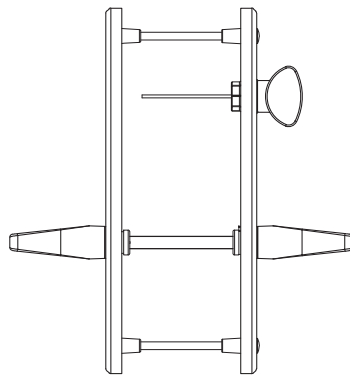
50 TRANSMISSION ROD
NCC6374



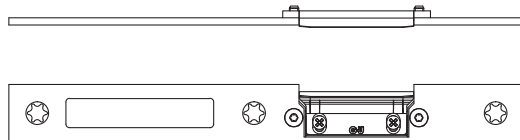
51 WIND SUPPORT
615i



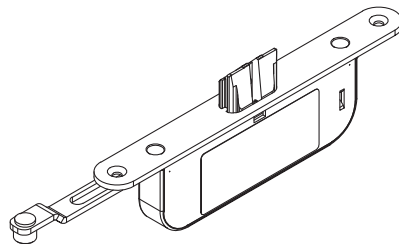
49 FERCO - ROMA HANDLE SET
K-U5046-ZO-O-6



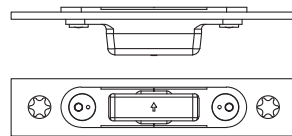
45 FERCO - MORTISE LOCK
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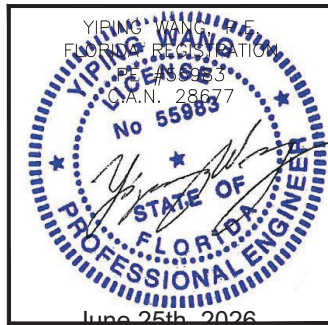
54 FERCO - PRIMARY KEEPER
6-37368-01-R-8



47 FERCO - SECONDARY LOCKING POINT.
A-DT-TR-24-040-001 /
A-DT-TR-24-040-002



55 FERCO - SECONDARY KEEPER.
6-40073-01-O-8



REVISIONS		
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MCY ENGINEERING, INC.
GLAZING CONSULTANTS

MCY

12781 MIRAMAR PARKWAY #301 P: 305.588.5224
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TERRACE DOOR TD10 - SMI

GLOBAL PERFORMANCE WINDOWS, INC.
DBA EPSYLON USA

POMPANO BEACH, FL 33069 2115 S.W. 2ND STREET
TEL.: (954) 942-3322 FAX: (954) 942-3215

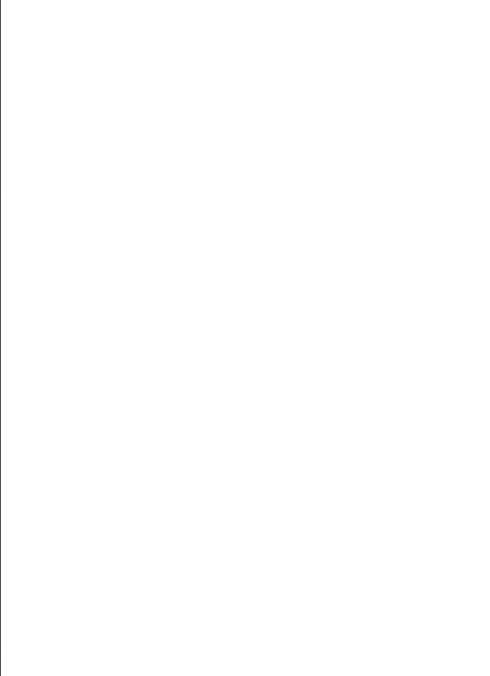
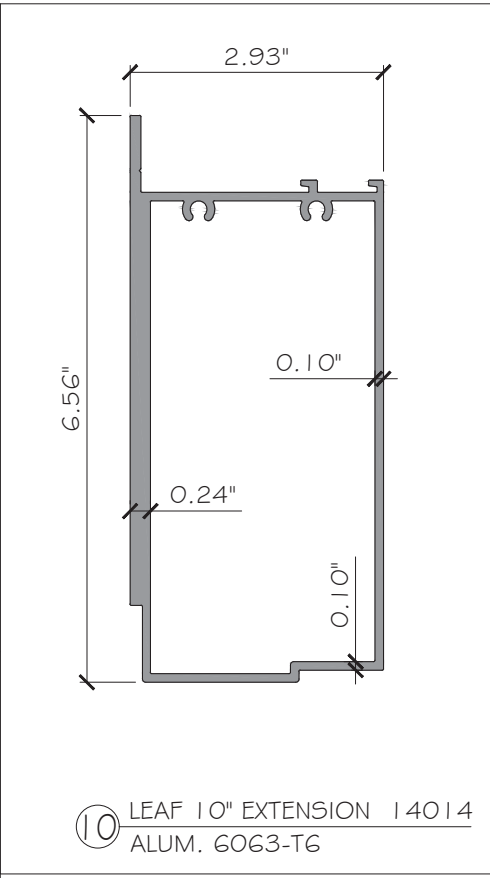
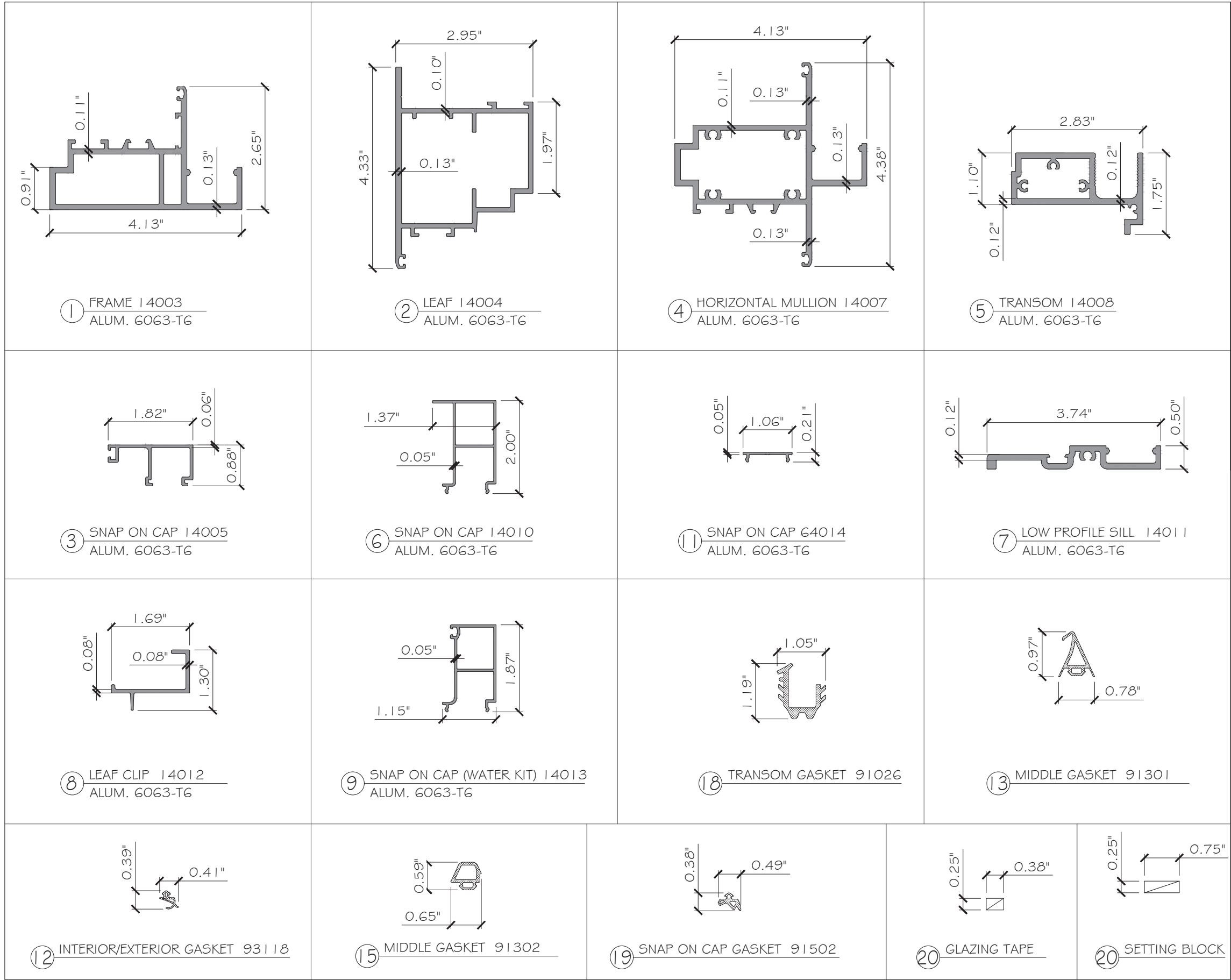
FL47416.2

DATE	06.25.2026
SCALE	AS NOTED
DRAWN	James
PROJECT	

HARDWARE 2

DRAWING NO.
AD26-36

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REVISIONS		
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PART

DRAWING NO.
AD26-36

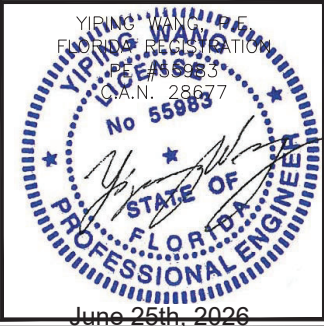
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YIPING WANG
FLORIDA REGISTRATION
No 55983
P.E. License
No 55983
P.E. License
No 55983

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

June 25th, 2026

ITEM	PART#	DESCRIPTION	MATERIAL	MFG.
1	14003	FRAME	6063-T6	METRA ALUM. CO.
2	14004	LEAF	6063-T6	METRA ALUM. CO.
3	14005	SNAP ON CAP FOR 9/16" LAMINATED GLASS	6063-T6	METRA ALUM. CO.
4	14007	HORIZONTAL MULLION FOR TRANSOM	6063-T6	METRA ALUM. CO.
5	14008	TRANSOM FOR 9/16" LAMINATED GLASS	6063-T6	METRA ALUM. CO.
6	14010	TRANSOM SNAP ON CAP	6063-T6	METRA ALUM. CO.
7	14011	LOW PROFILE SILL	6063-T6	METRA ALUM. CO.
8	14012	LEAF CLIP FOR LOW PROFILE SILL	6063-T6	METRA ALUM. CO.
9	14013	WATER KIT FOR LOW PROFILE SILL	6063-T6	METRA ALUM. CO.
10	14014	LEAF 10" EXTENSION (ADA BOTTOM RAIL)	6063-T6	METRA ALUM. CO.
11	64014	INTERIOR SNAP ON CAP	6063-T6	METRA ALUM. CO.
12	93118	INTERIOR / EXTERIOR GASKET	SLICONE	VICONE RUBBER
13	91301	MIDDLE GASKET	SLICONE	VICONE RUBBER
14	91301C	MOLDED CORNER GASKET	SLICONE	VICONE RUBBER
15	91302	MIDDLE GASKET FOR LOW PROFILE SILL	SLICONE	VICONE RUBBER
16	91302L	MOLDED CORNER GASKET FOR LOW PROFILE SILL - LEFT SIDE	SLICONE	VICONE RUBBER
17	91302R	MOLDED CORNER GASKET FOR LOW PROFILE SILL - RIGHT SIDE	SLICONE	VICONE RUBBER
18	91026	TRANSOM GASKET FOR 9/16" GLASS	SLICONE	VICONE RUBBER
19	91502	INTERIOR SNAP ON CAP GASKET	SLICONE	VICONE RUBBER
20	-	GLAZING TAPE 1/4" x 3/8"	-	-
21	-	SPECTREM 2 SILICONE SEALANT - CONTINUOUS	SILICONE	TREMCO
22	-	SPECTREM 2 SILICONE SEALANT - 6" LONG @ CORNERS	SILICONE	TREMCO
23	-	SPECTREM 2 SILICONE SEALANT & BACKER ROD	SILICONE	TREMCO
24	-	PVC SHIM	-	-
27	-	#12 x 3/4" PH SS SCREWS @ 2" FROM ENDS & 12" O.C.	STAINLESS STEEL	-
28	-	#12 x 1" HH SS ASSEMBLY SCREWS	STAINLESS STEEL	-
29	-	#8 x 1 1/2" HH SS ASSEMBLY SCREWS	STAINLESS STEEL	-
30	-	#10 x 3/4" FH SS SCREWS @ 2" FROM ENDS & 12" O.C.	STAINLESS STEEL	-
31	-	#10 x 3/4" HH SS SCREWS @ 2" FROM ENDS & 12" O.C.	STAINLESS STEEL	-
32	-	SETTING BLOCK 1/4" x 3/4"	-	-
33	-	#14 -20 x 1/2" PH MS SCREWS, FOR DOOR HINGE. (4) SCREWS PER HINGE.	STAINLESS STEEL	-



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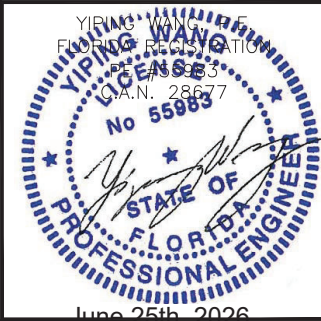
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FL47416.2	
DATE	06.25.2026
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DRAWN	James
PROJECT	
BOM	
DRAWING NO. AD26-36	
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HARDWARE #01				
ITEM	PART #	DESCRIPTION	MATERIAL	MFG.
40	2401	ALIGNEMENT CORNER KEY - FRAME	-	MONTICELLI
41	5003	CORNER KEY - FRAME	-	MONTICELLI
42	5019	CORNER KEY - LEAF	-	MONTICELLI
43	5671	MONZA HINGES	-	FAPIM
44	G-12953-14-O-1 6-CO518-00-O-0	LIMIT DEVICE WITH BRAKE	-	FERCO
45	A-DT-TR-24-O40-003	MORTISE LOCK	-	FERCO
46	6-37367-01-R-8	PRIMARY KEEPER	-	FERCO
47	A-DT-TR-24-O40-001 A-DT-TR-24-O40-002	SECONDARY LOCKING POINT	-	FERCO
48	6-40032-AC-O-8	SECONDARY KEEPER	-	FERCO
49	K-U5046-ZO-O-6	ALLEGRO HANDLE SET	-	FERCO
50	NC6374	TRANSMISSION ROD	6063-T6	METRA ALUM. CO.
51	1615i	WING SUPPORT	NYLON	FAPIM

HARDWARE #02				
ITEM	PART #	DESCRIPTION	MATERIAL	MFG.
40	2401	ALIGNEMENT CORNER KEY - FRAME	-	MONTICELLI
41	5003	CORNER KEY - FRAME	-	MONTICELLI
42	5019	CORNER KEY - LEAF	-	MONTICELLI
52	2141816	FULCRA HINGES	-	GIESSE
53	1459B	LIMIT DEVICE WITH BRAKE	-	FAPIM
45	A-DT-TR-24-O40-003	MORTISE LOCK	-	FERCO
54	6-37368-01-R-8	PRIMARY KEEPER	-	FERCO
47	A-DT-TR-24-O40-001 A-DT-TR-24-O40-002	SECONDARY LOCKING POINT	-	FERCO
55	6-40073-01-O-8	SECONDARY KEEPER	-	FERCO
49	K-U5046-ZO-O-6	ALLEGRO HANDLE SET	-	FERCO
50	NC6374	TRANSMISSION ROD	6063-T6	METRA ALUM. CO.
51	1615i	WING SUPPORT	NYLON	FAPIM



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