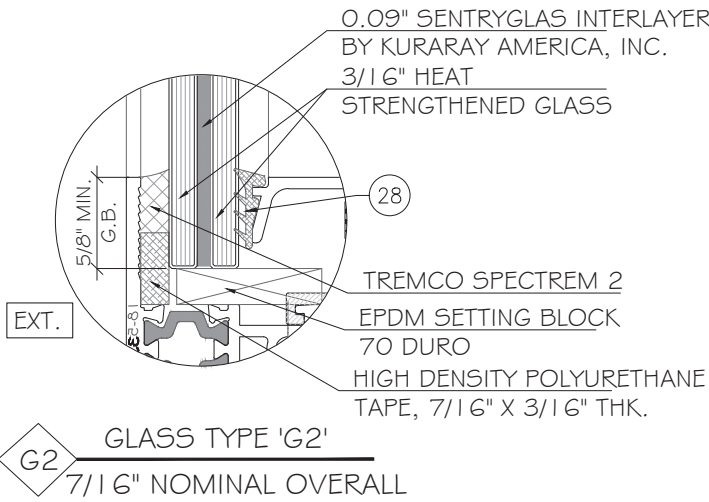
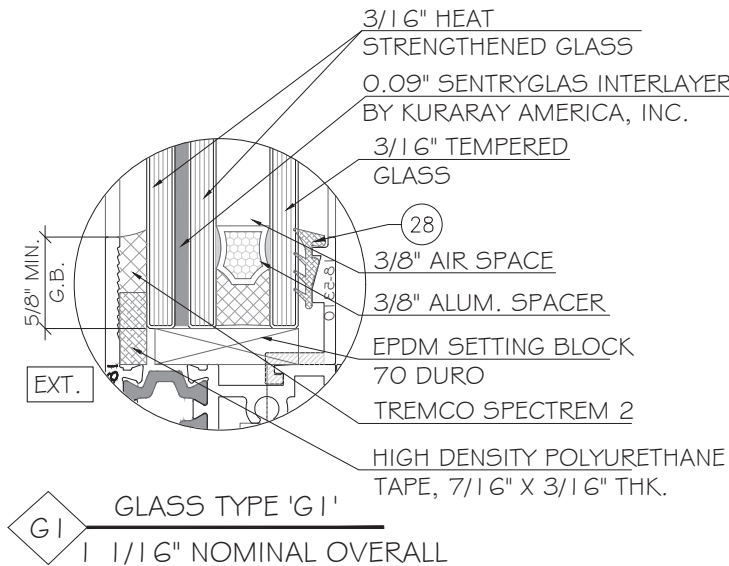


CUHADAROGLU METAL SAN.PAZ.A.S
SERIES TH-FW-33 ALUMINUM FIXED WINDOW - (L.M.I)



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).

- WINDOWS ARE RATED FOR LARGE MISSILE IMPACT. IMPACT SHUTTERS ARE NOT REQUIRED.

- 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 OF FBC 2023/9TH EDITION OF FBC 2026 SECTION AS APPLICABLE.

- 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.

- 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 3S, 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).

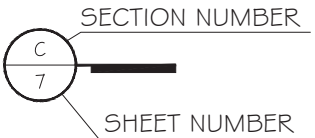
NOTE:
GLASS COMPLIES WITH ASTM E1300-16
OR 24 (3 SEC. GUSTS).

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



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.		

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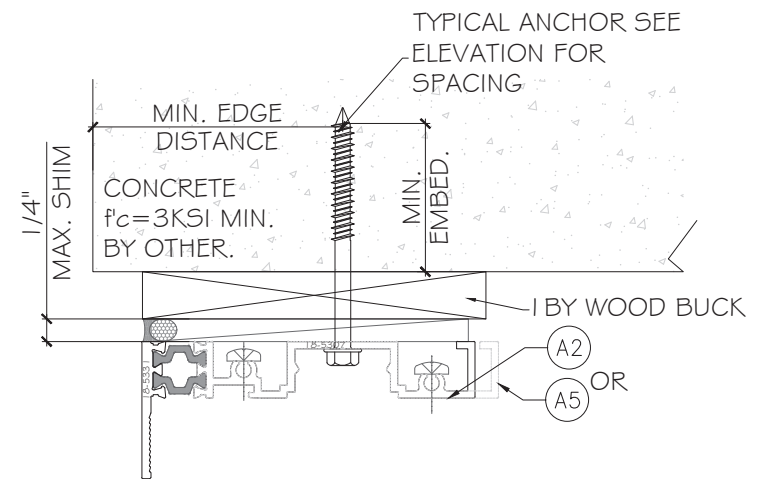
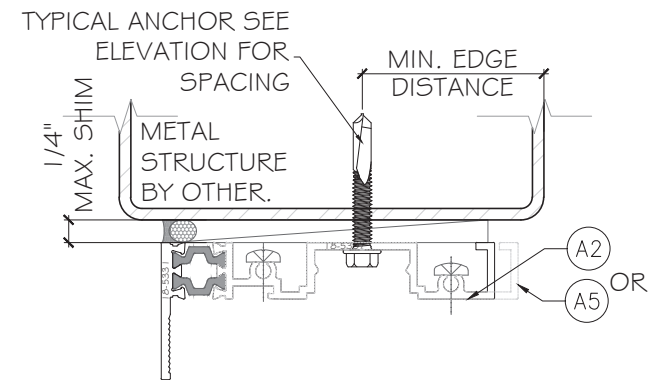
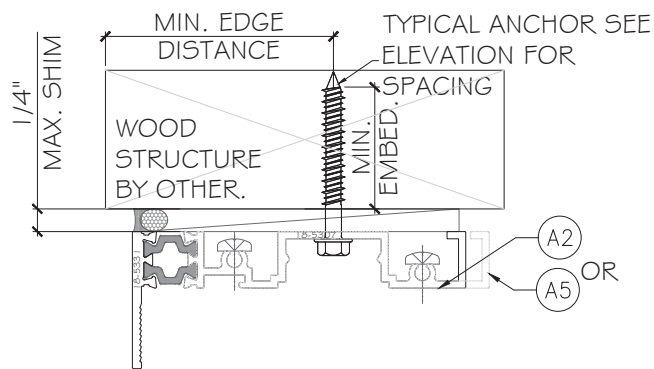
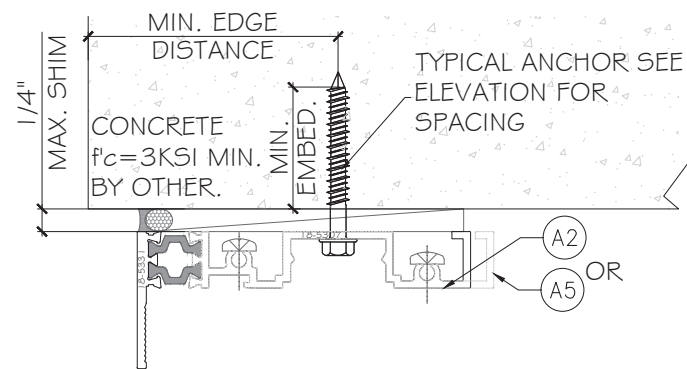
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Drawn Date
09.21.2026

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AD23-06

COVER

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NOTE: WOOD BUCKS & METAL STRUCTURES NOT BY CUHADAROGLU METAL SAN. PAZ. A.S. MUST BE PROPERLY SECURED TO SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURES.

TYPICAL ANCHOR TYPES

ANCHOR TYPE 'A' - 1/4" DIA. ULTRACON+ BY 'DEWALT'(F_u= 1 64KSI, F_y= 1 48KSI) INTO 2BY WOOD BUCKS OR WOOD STRUCTURE, 1 1/2" MIN. PENETRATION INTO WOOD (HEAD/ JAMB/ SILL)

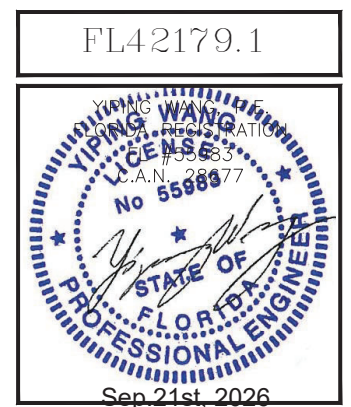
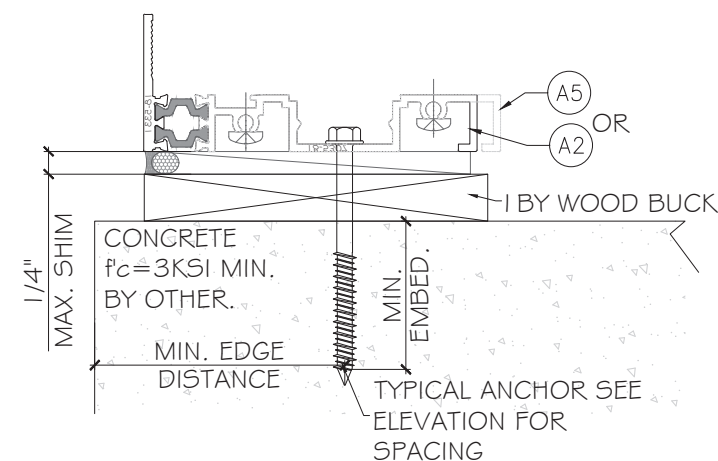
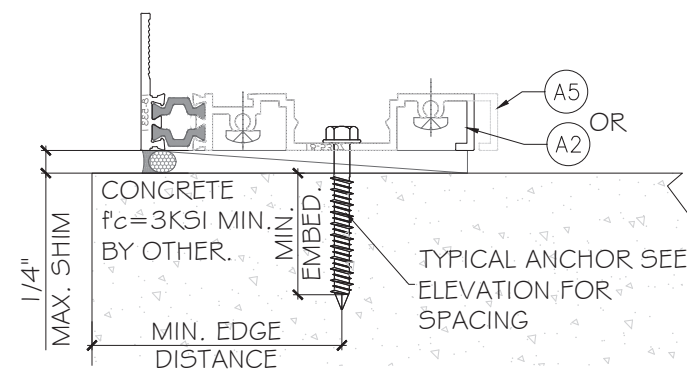
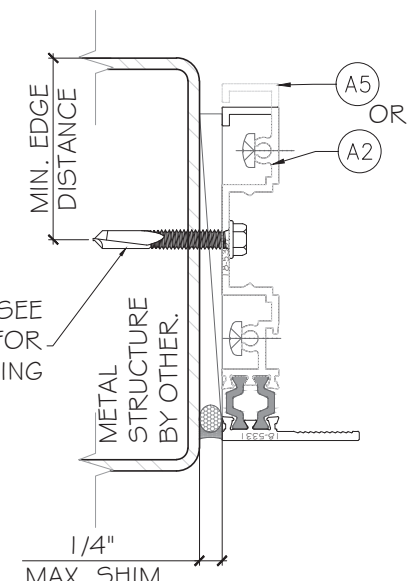
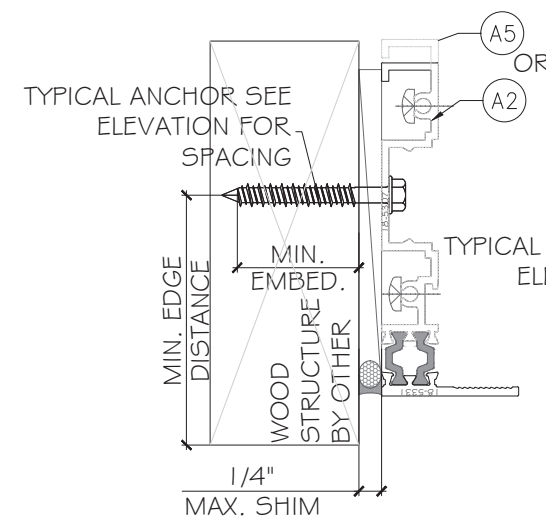
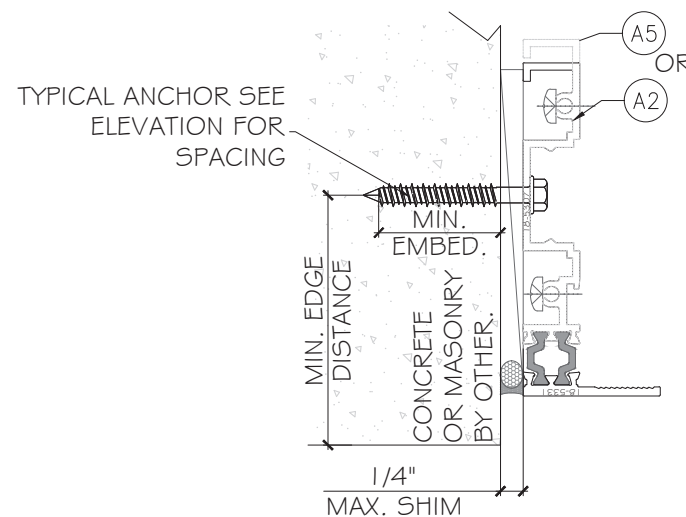
THROUGH 1X WOOD BUCKS INTO CONCRETE OR MASONRY 1 3/4" MIN. EMBEDMENT INTO CONCRETE (HEAD/ JAMB/ SILL) 1 3/4" MIN. EMBEDMENT INTO HOLLOW OR GROUT FILLED BLOCK (JAMB ONLY)

ANCHOR TYPE 'B' - 1/4" DIA. ULTRACON+ BY 'DEWALT'(F_u= 1 64KSI, F_y= 1 48KSI) DIRECTLY INTO CONCRETE W/ 1 3/4" MIN. EMBEDMENT

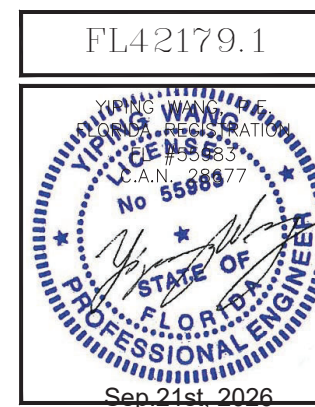
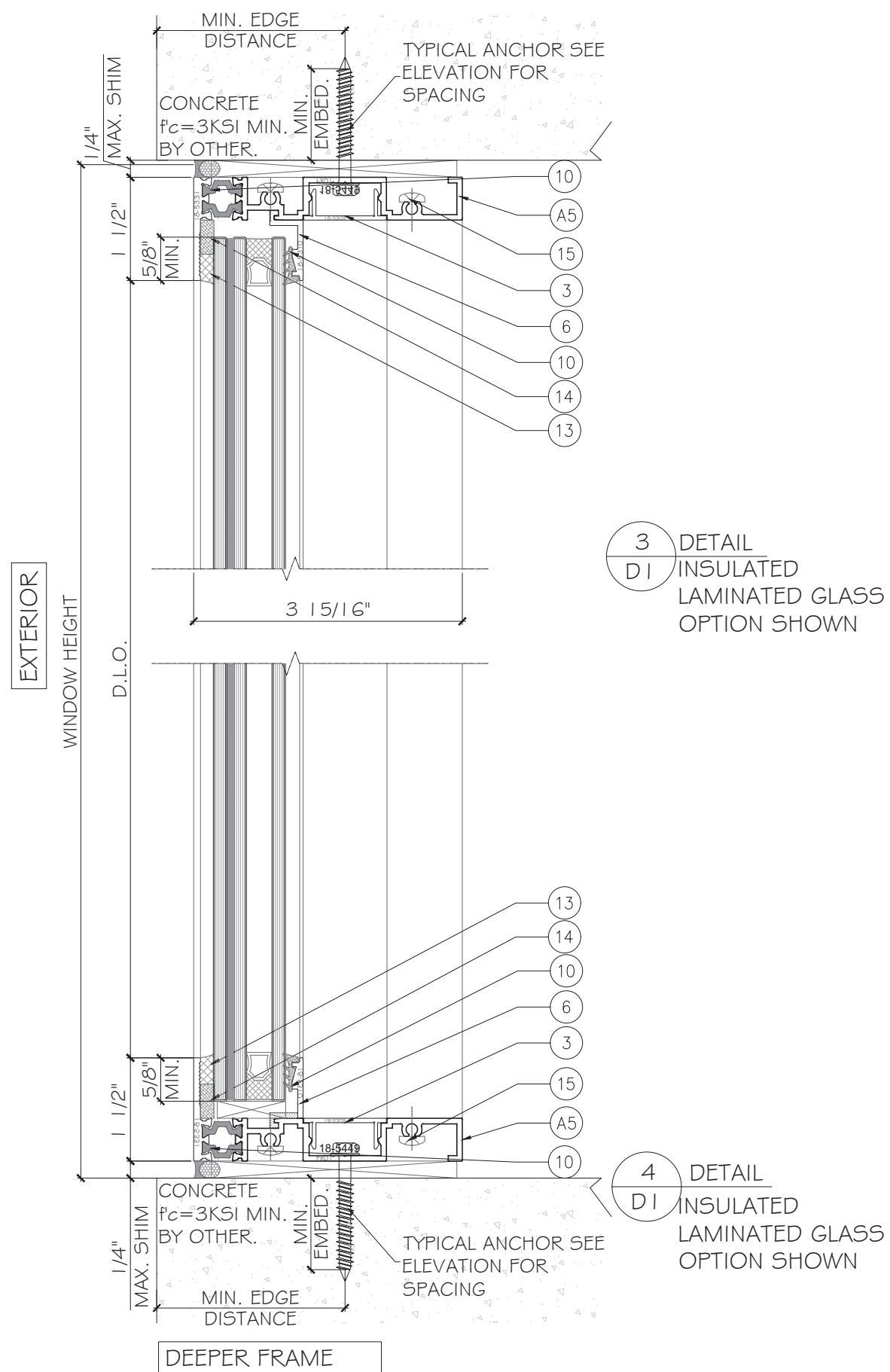
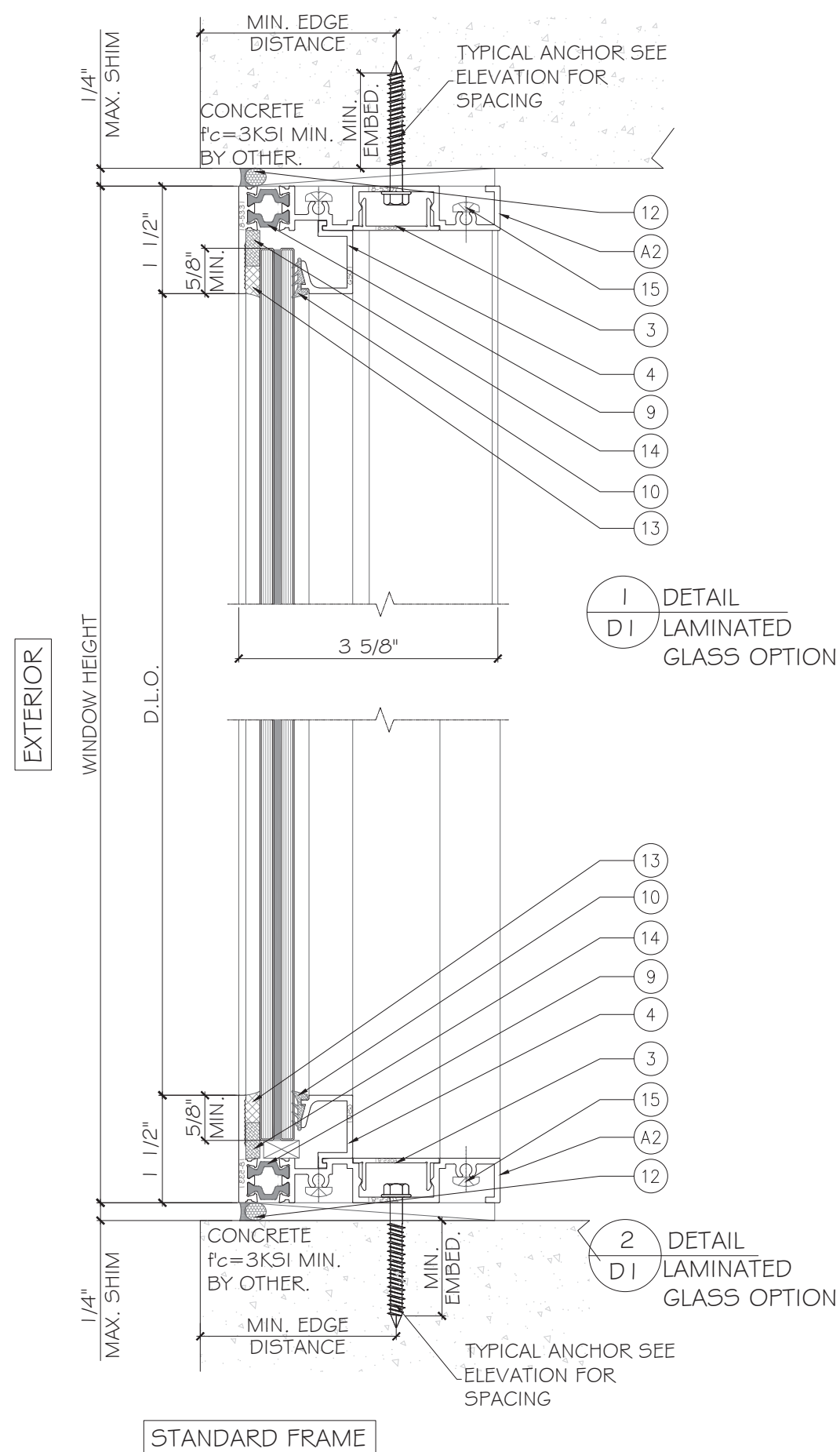
ANCHOR TYPE 'C' - 1/4" DIA. TEKS/SELF DRILLING SCREW (GRADE 5 CRS) INTO F.B.C. APPROVED MULLIONS OR INTO METAL STRUCTURES. (3) THREADS MIN. PENETRATION BEYOND METAL SUBSTRATE

ALUMINUM: 1/8" THK. MIN. (6063-T5, MIN)
STEEL: 1/8" THK. MIN. (F_y=36KSI MIN)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PAINTED)
ANCHOR EDGE DISTANCE:
INTO WOOD STRUCTURE: 1" MIN
INTO METAL: 3/4" MIN.
INTO CONCRETE OR MASONRY: 2 1/2" MIN.

SUBSTRATE:
WOOD, SG = 0.55 MIN.
CONCRETE AT HEAD/SILL/JAMB, f'c = 3000 PSI MIN.
C-90 HOLLOW /FILLED BLOCK AT JAMBS: f'm=2000 PSI MIN.



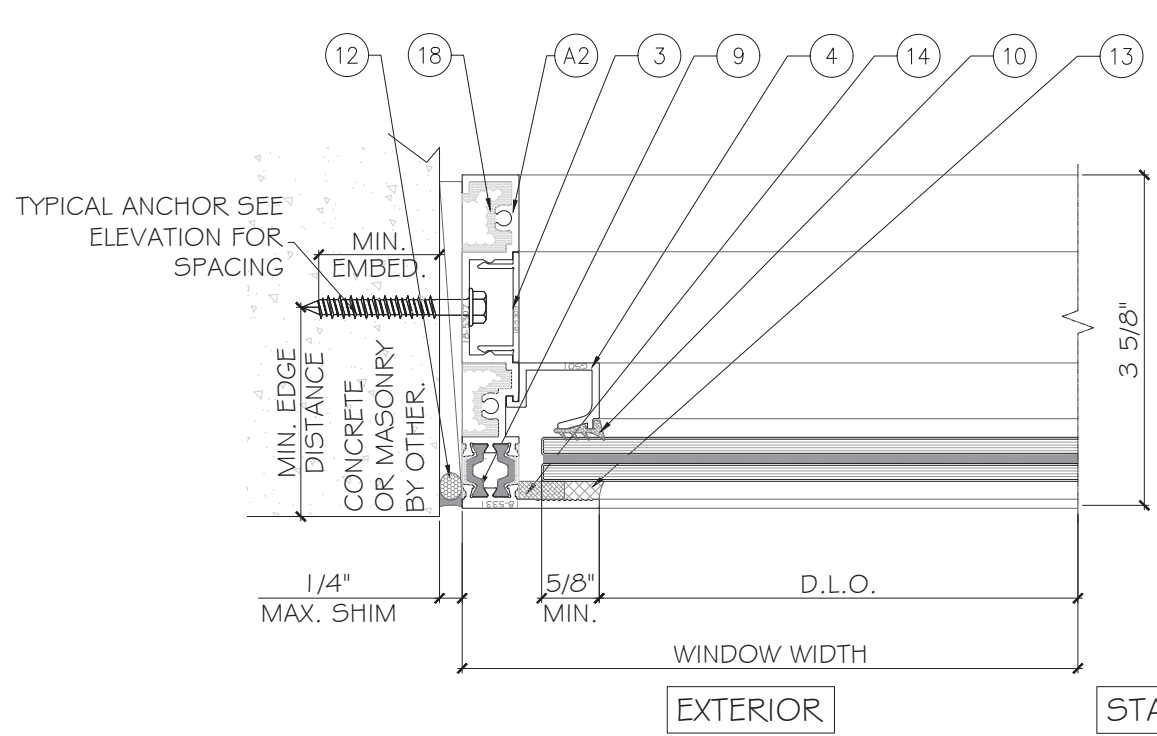
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Drawn Date	09.21.2026	Scale	
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SERIES TH -FW-332 ALUMINUM FIXED WINDOW - LMI
CUHADAROGLU METAL SAN.PAZA.S
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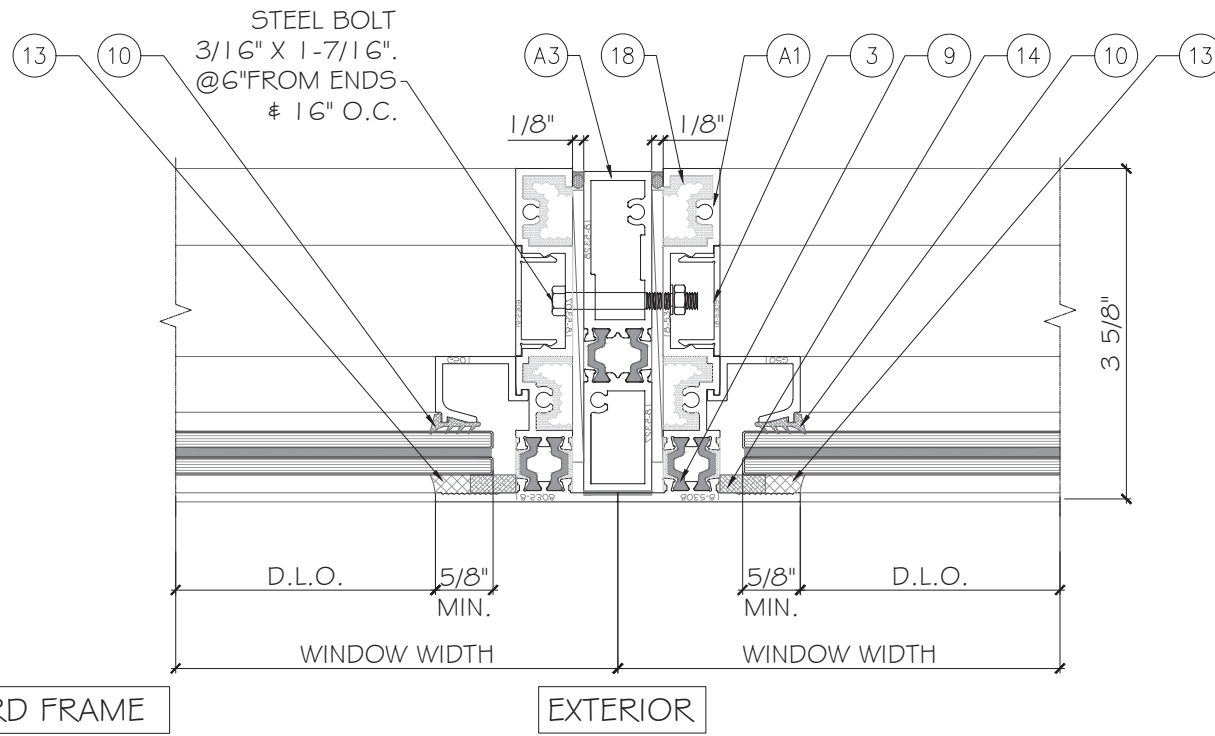
MCY ENGINEERING, INC.
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2781 MIRAMAR PKWY #301
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mcy@mcvengineering.com



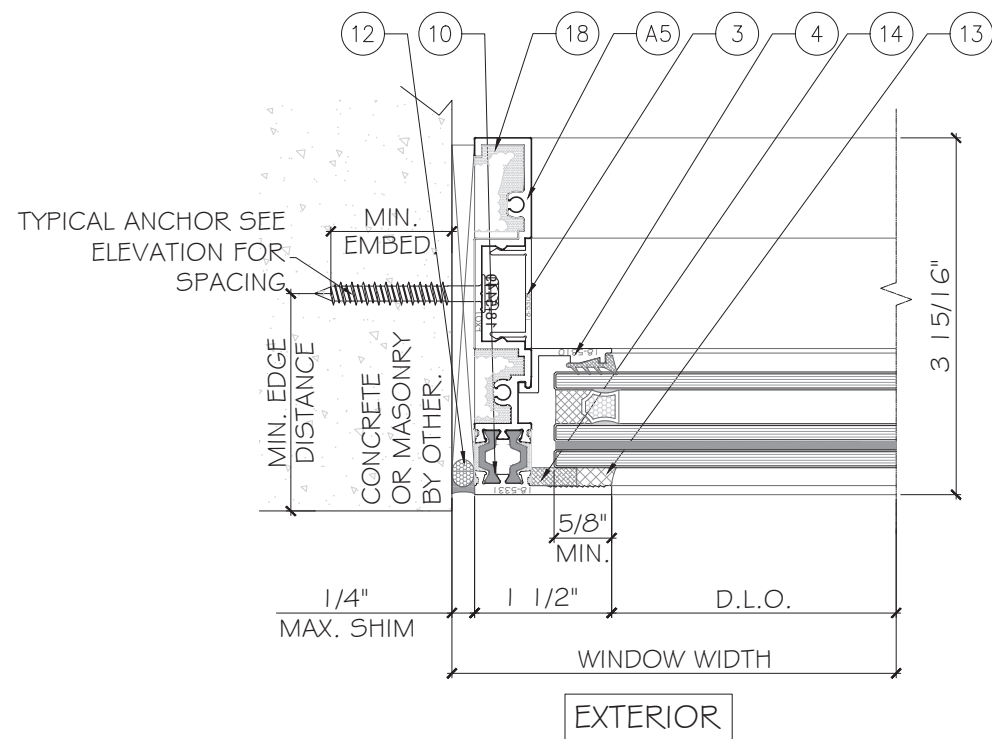
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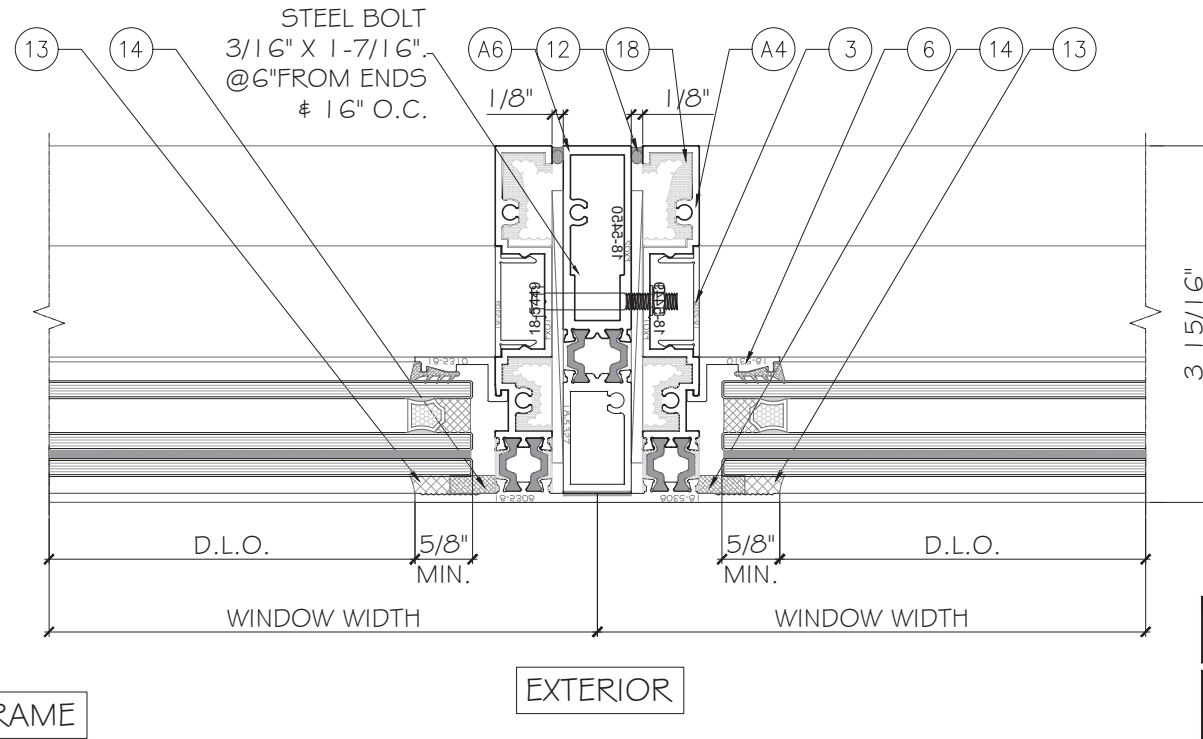
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D2

DETAIL



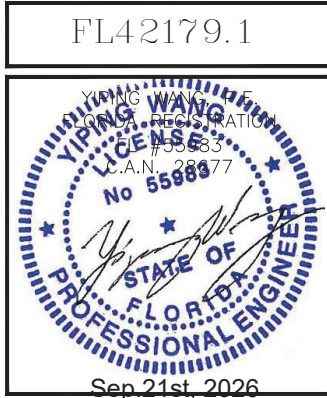
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D2

DETAIL



4
D2

DETAIL

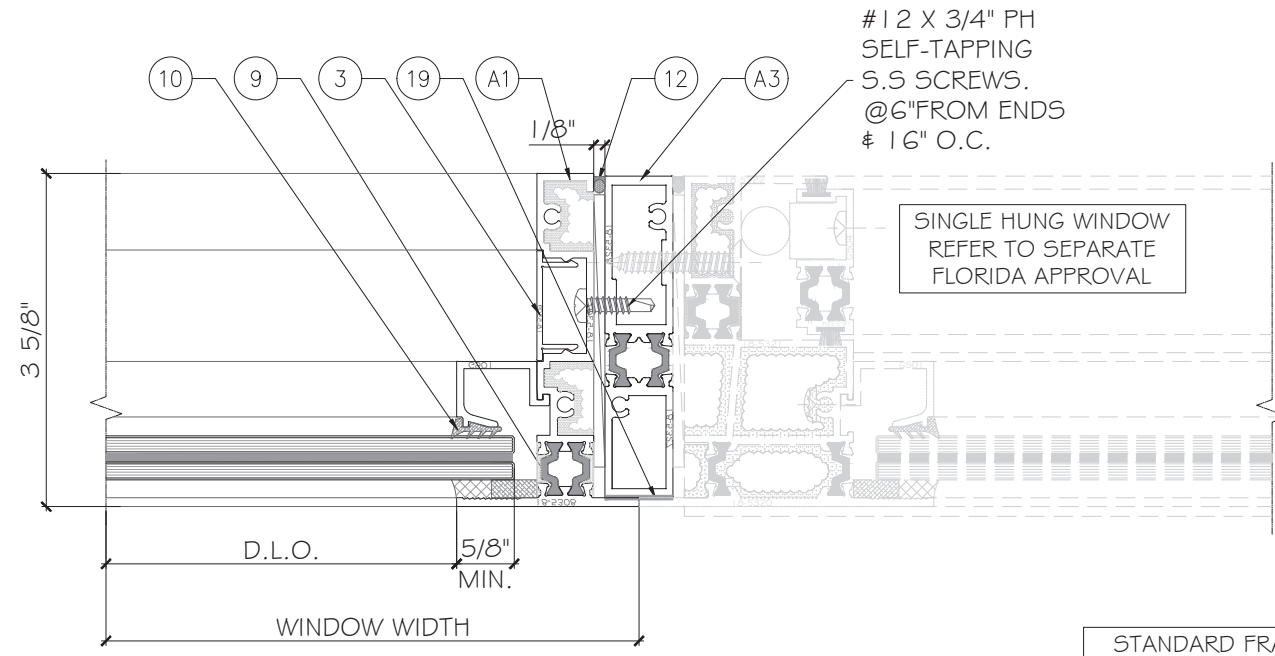


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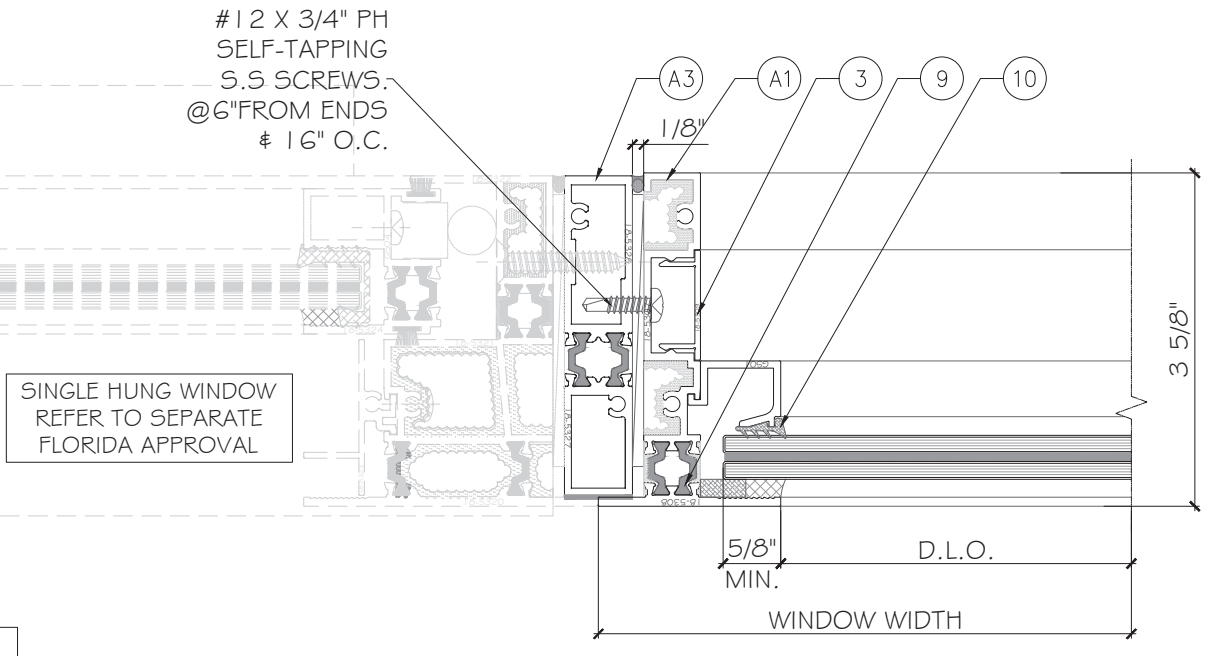
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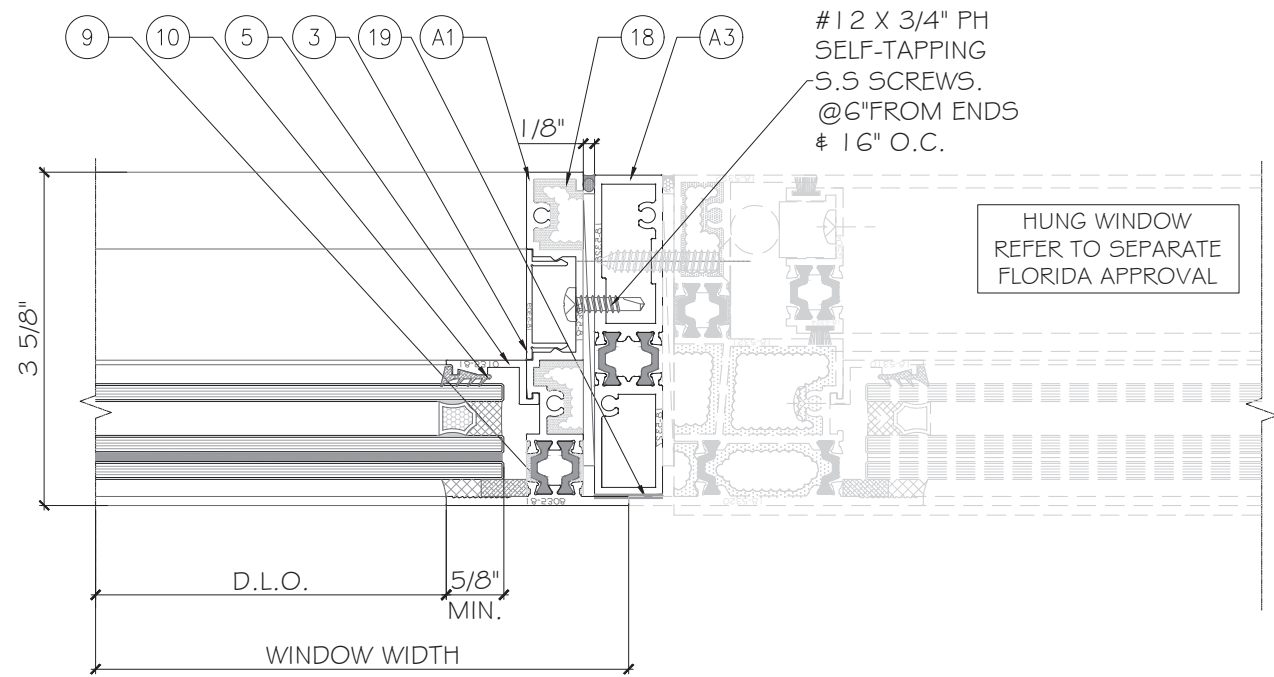
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1
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DETAIL



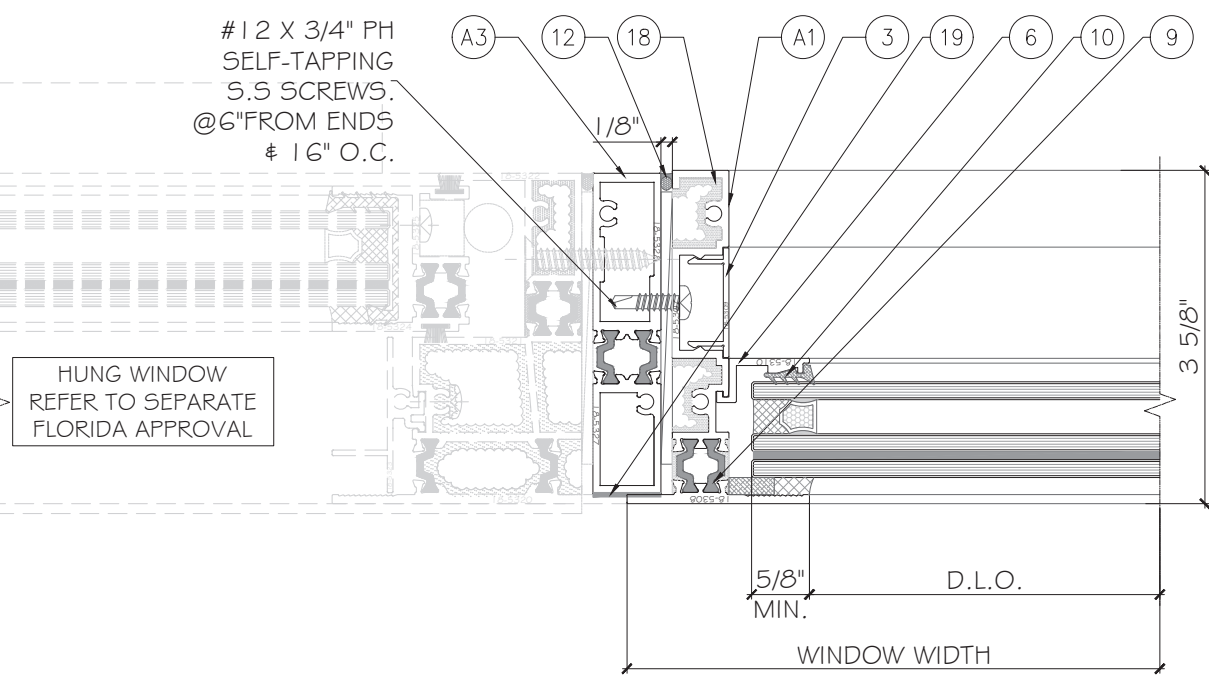
EXTERIOR

2
D3
DETAIL



EXTERIOR

1
D3
DETAIL
GLASS
OPTION



EXTERIOR

2
D3
DETAIL
GLASS
OPTION

FL42179.1

YIPING WANG
REGISTERED PROFESSIONAL ENGINEER
No 55988
STATE OF FLORIDA
Sep 21st, 2026

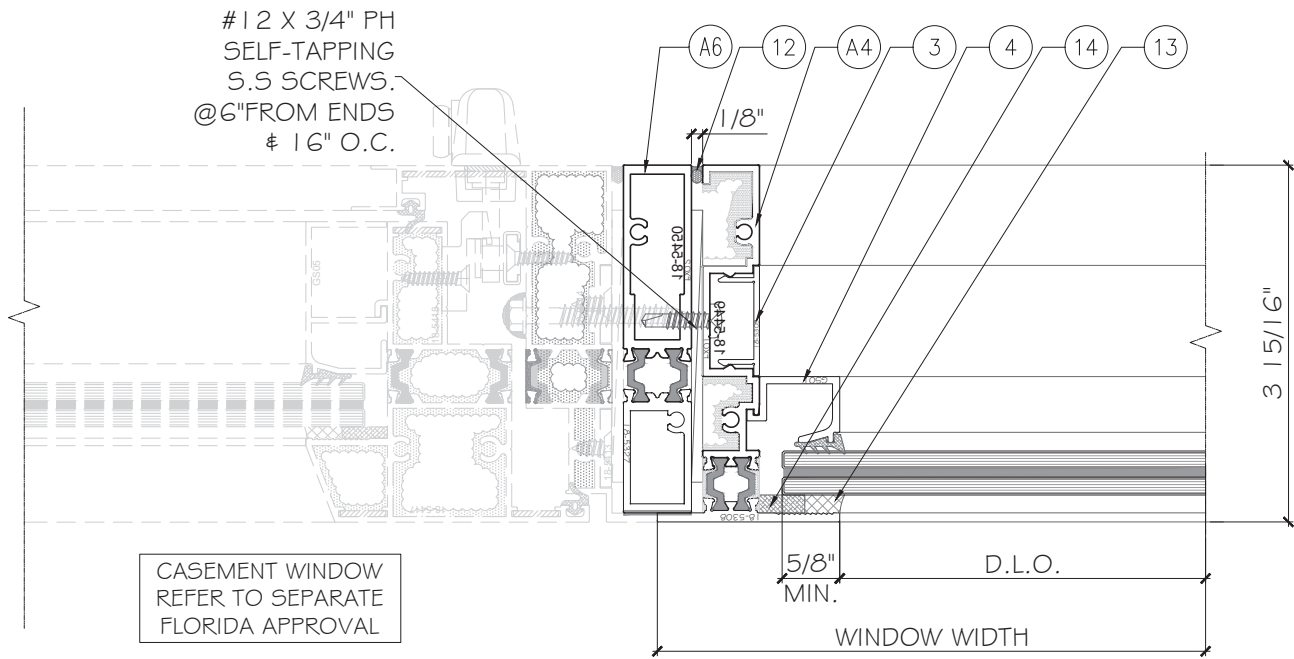
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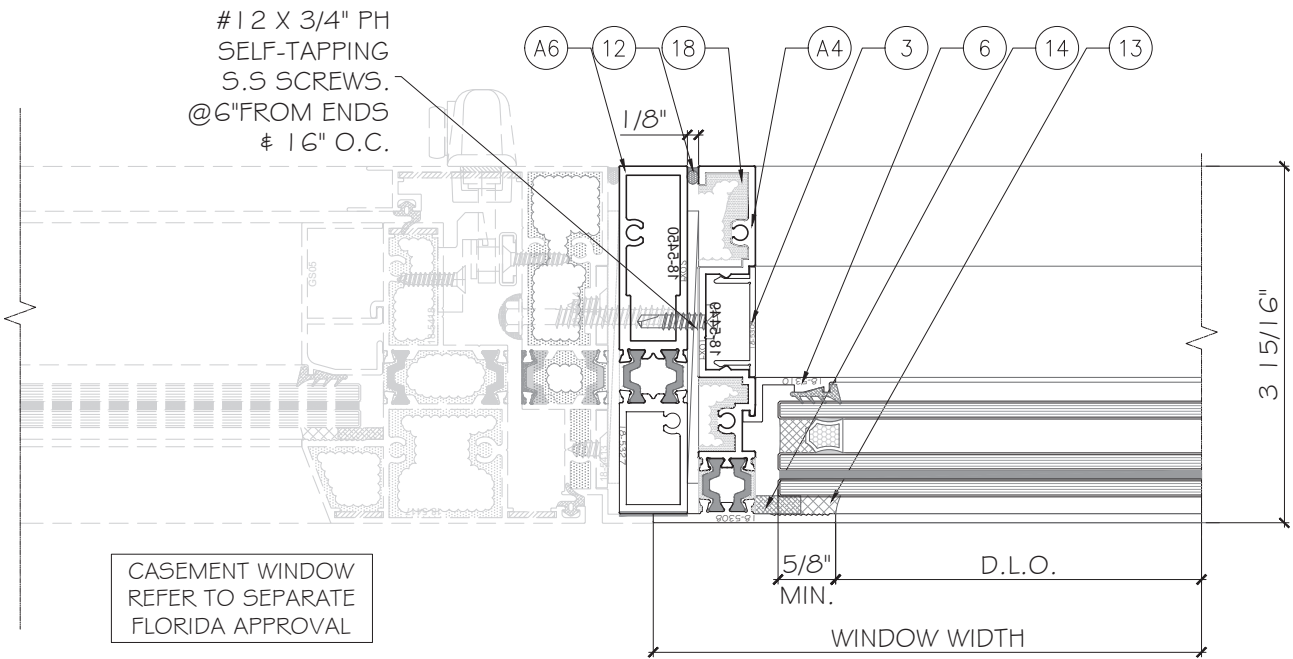


CASEMENT WINDOW
REFER TO SEPARATE
FLORIDA APPROVAL

EXTERIOR

I
D4
DETAIL

NOTE: MULLION CAPACITY REFER
TO CASEMENT WINDOW APPROVAL.



CASEMENT WINDOW
REFER TO SEPARATE
FLORIDA APPROVAL

EXTERIOR

I
D4
DETAIL
OPTION

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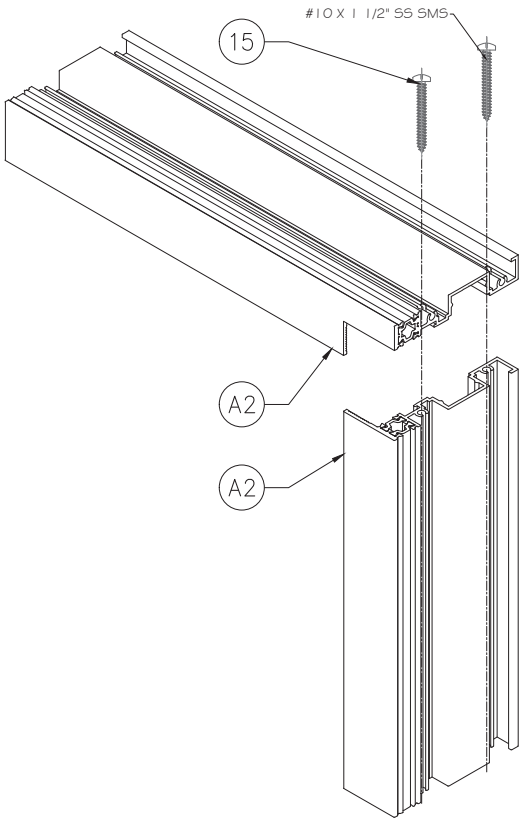
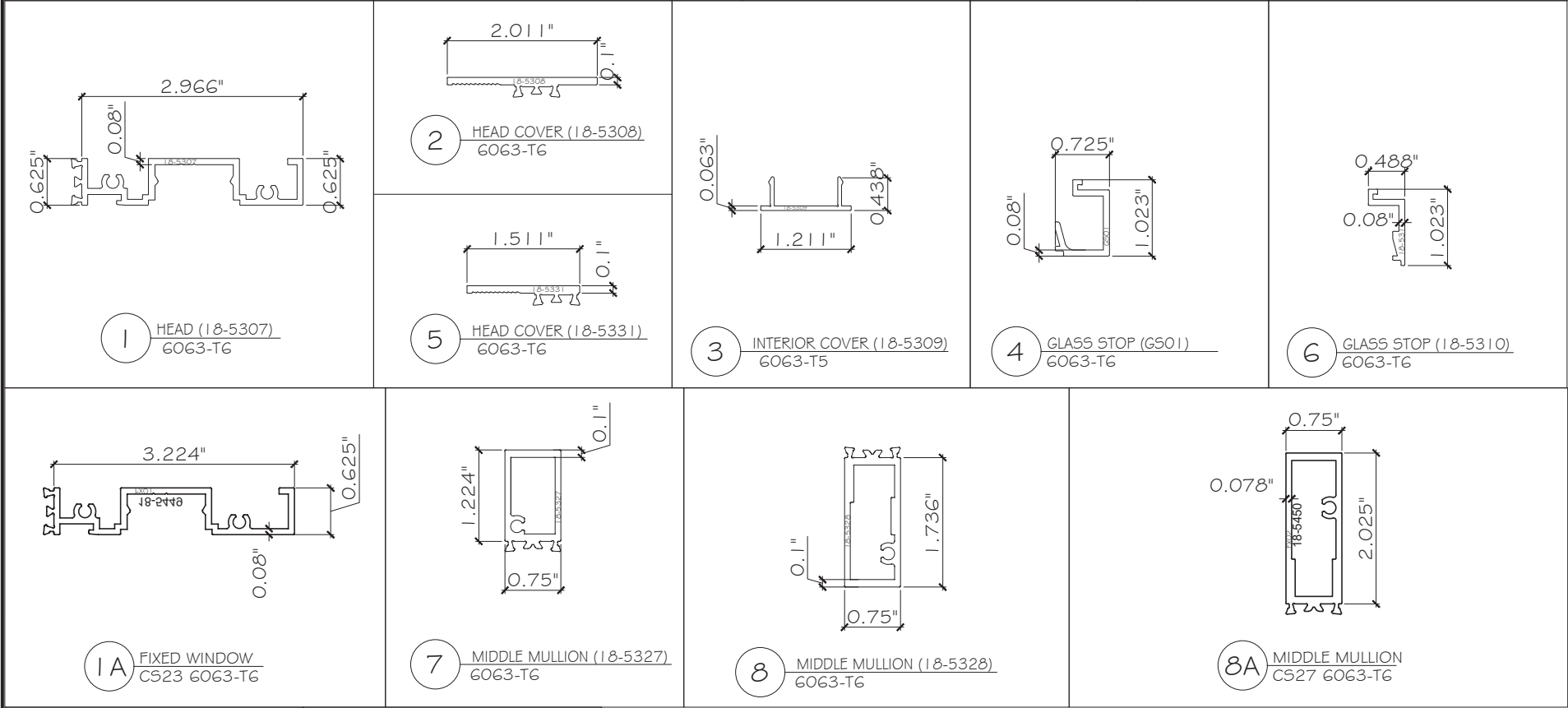
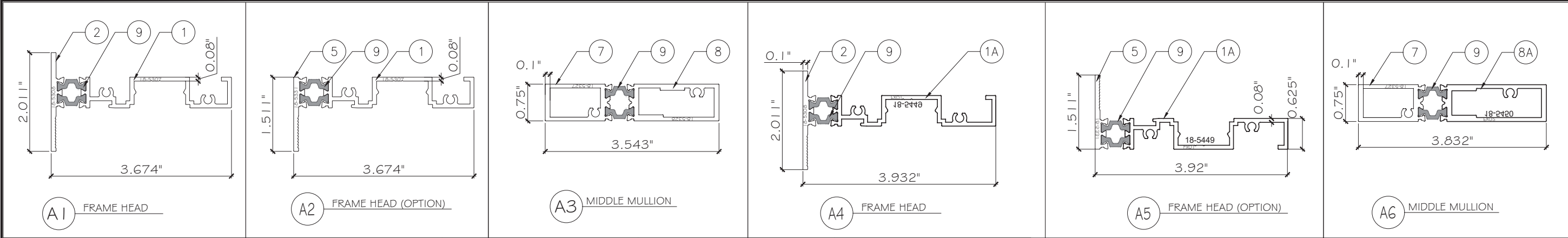
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FRAME CORNER CONNECT

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YIPING WANG
REGISTERED PROFESSIONAL ENGINEER
No 55988
STATE OF FLORIDA

Sep 21st, 2026

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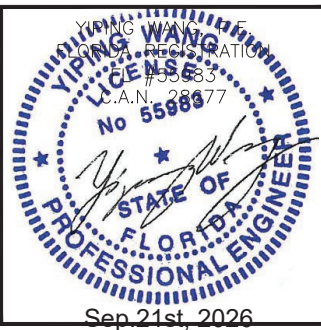
PART

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BILL OF MATERIALS

ITEM	PART	DESCRIPTION	MATERIAL	MANUF. / REMARKS
1	18-5307	HEAD	ALUM. 6063-T6	-
1A	18-5449	HEAD	ALUM. 6063-T6	-
2	18-5308	HEAD COVER	ALUM. 6063-T6	-
3	18-5309	INTERIOR COVER	ALUM. 6063-T5	-
4	G501	GLASS STOP	ALUM. 6063-T6	-
5	18-5311	HORIZONTAL	ALUM. 6063-T6	-
6	18-5310	GLASS STOP FOR INSULATED GLASS	ALUM. 6063-T6	-
7	18-5327	MIDDLE MULLION	ALUM. 6063-T6	-
8	18-5328	MIDDLE MULLION	ALUM. 6063-T6	-
8A	18-5450	MIDDLE MULLION	ALUM. 6063-T6	-
9	SH25 937600	THERMAL BROKEN BAR	PAG6 GF25 NYLON INSULATION STRIP	TECHNOFORM BAUTEC / 937600
10	SH-28	GLAZING GASKET/SPACER	EPDM (70 DURO.)	-
11	--	SETTING BLOCK	EPDM (70 DURO.)	TREMCO
12	--	WEATHER SEALANT, TREMCO SPECTREM 1 & FOAM BAR	SILICONE	TREMCO
13	--	STRUCTURAL SEALANT, TREMCO SPECTREM 2	SILICONE	TREMCO
14	--	GLASS SPACER, 7/16" X 3/16" THK.	HIGH DENSITY POLYURETHANE TAPE	-
15	--	#10X1 1/2" PH SELF-TAPPING SCREW, ASSEMBLY SCREW.	STAINLESS STEEL	-
16	--	#12 PH SCREW	STAINLESS STEEL	-
17	--	DIA. 3/16"X 1-7/16" HEXAGON BOLT & NUT	STAINLESS STEEL	-
18	--	WEATHER SEALANT, TREMCO SPECTREM 1	SILICONE	TREMCO

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