

0.06" TROSIFOL PVB INTERLAYER
BY KURARAY AMERICA, INC.

3/16" HEAT
STRENGTHENED GLASS
TREMCO SPECTREM 2

3/16" TEMPERED
GLASS

5/8" MIN.
G.B.

3/8" ALUM. SPACER

EPDM SETTING BLOCK
70 DURO

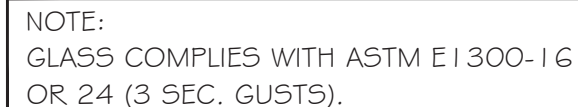
HIGH DENSITY POLYURETHANE
TAPE, 7/16" X 3/16" THK.

GLASS TYPE 'G1'

1 1/16" NOMINAL OVERALL

28

EXTERIOR



- 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 SMALL MISSILE IMPACT. IMPACT SHUTTERS ARE NOT REQUIRED WHEN USED ABOVE 30FT OF GRADE.
- 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.
- 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.
- 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).

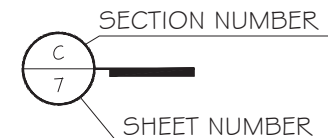
STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD OR WIND TUNNEL REPORTS.

STEP 2: SEE SHEET E1 & E2 & E3 FOR APPROVED TYPICAL ELEVATION & CONFIGURATION.

STEP 3: ANCHOR OPTION SEE SHEET A1. ANCHOR LAYOUT SEE SHEET E1 & E2 & E3.

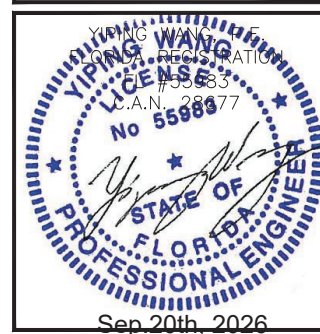
STEP 4: THE LOWEST VALUE RESULTING FROM STEPS 2 & 3 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM.

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



- 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.

FL42310.2



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SERIES TH -SH-33 ALUMINUM SINGLE HUNG WINDOW - SMI
CUHADAROGLU METAL SAN.PAZ.A.S
YAKUPLU MAH. HURRIYET BUL VARI NO:6-8 BEYLIKDUZU
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R0	09/20/2026	James	FBC 2026			
R0	08/16/2023	James	NEW APPLICATION			
Rev. No.	Date	Drawn By	Description			

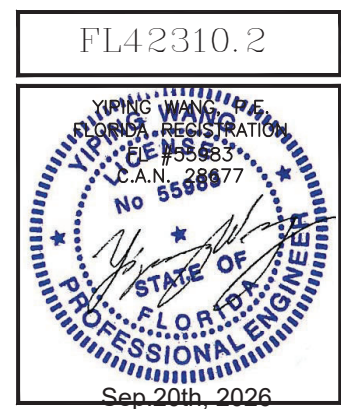
DRAWING NO.
AD23-18

COVER

Sheet No.
1 OF 13

DESIGN LOAD (PSF)	
FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC	
+70	-80

DESIGN LOAD (PSF)	
FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC	
+70	-80



					FBC 2026	
					NEW APPLICATION	Description
			RQ	09-20-2026	James	Drawn By
			RQ	08-16-2023	James	Date
			RQ	Rev No.		
Drawn Date 09-20-2026			Scale			
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E1						
Sheet No. 2 OF 13						

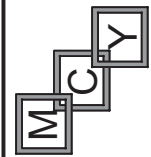
SERIES TH -SH-33 ALUMINUM SINGLE HUNG WINDOW - SMI

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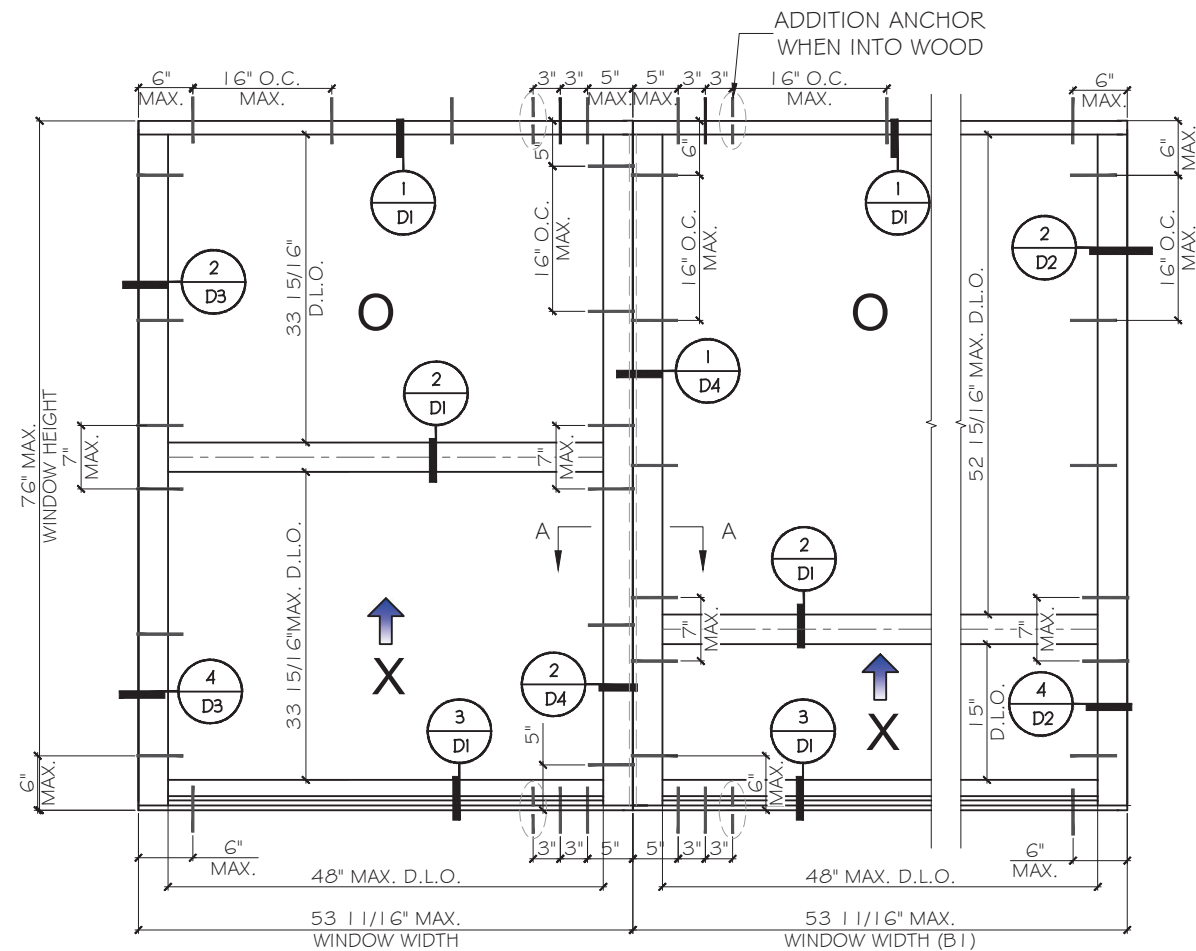
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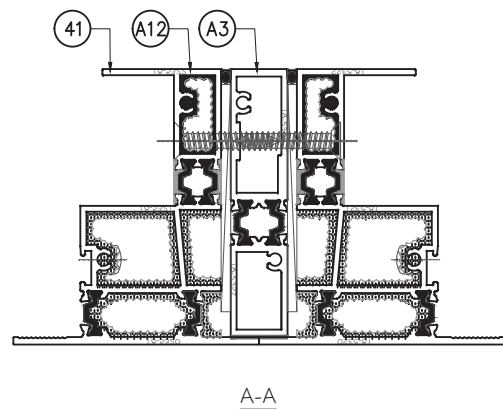
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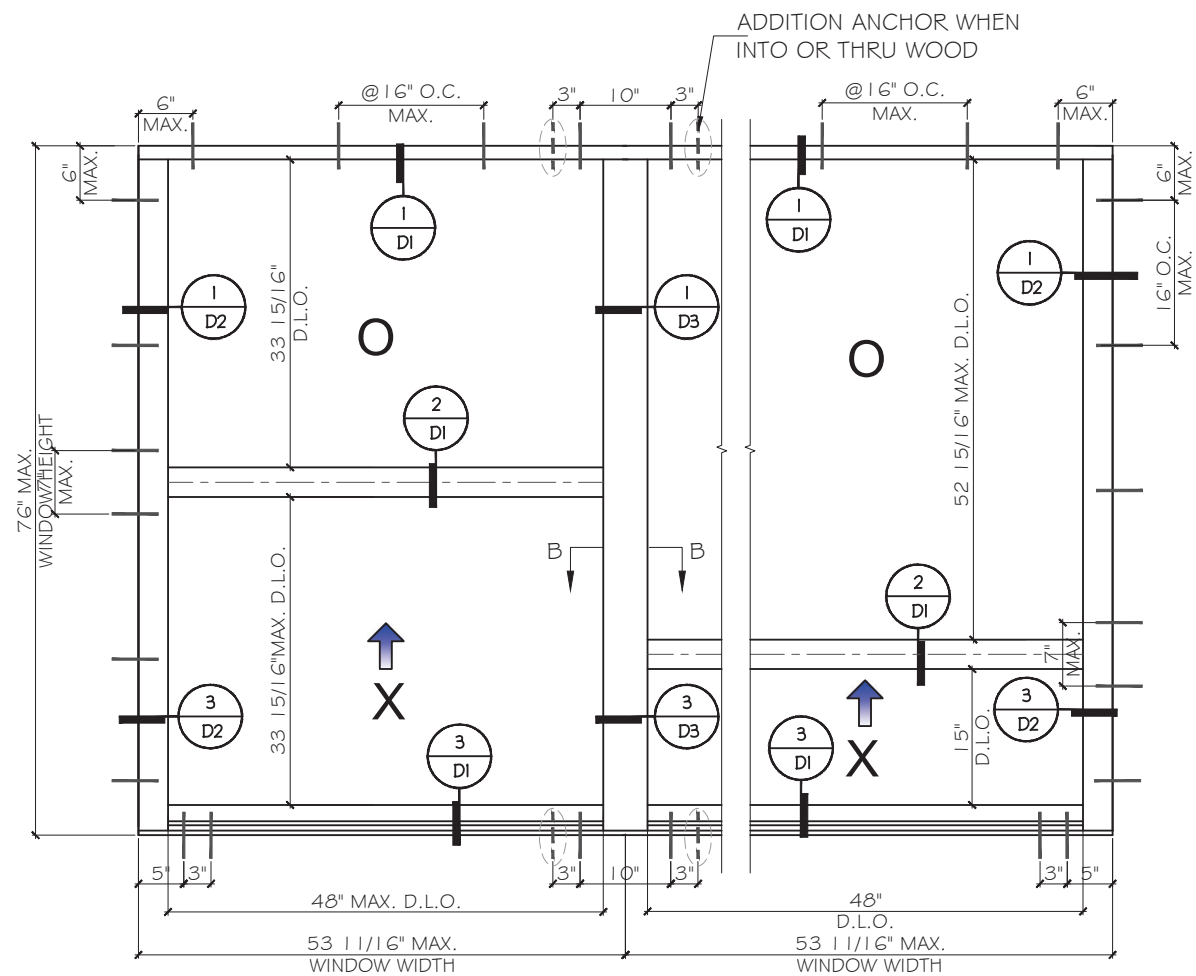
TYPICAL EXTERIOR ELEVATION

MULLION DESIGN LOAD (PSF)	
FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC	
+70	-80

MULLION TYPE 1



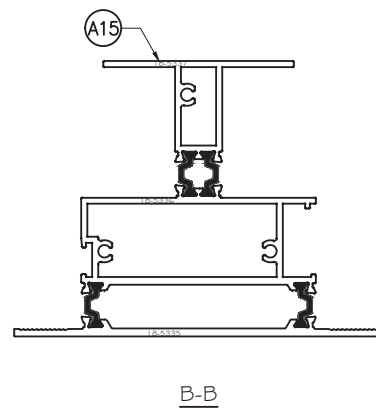
A-A



TYPICAL EXTERIOR ELEVATION

MULLION DESIGN LOAD (PSF)	
FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC	
+41.5	-41.5

MULLION TYPE 2



B-B

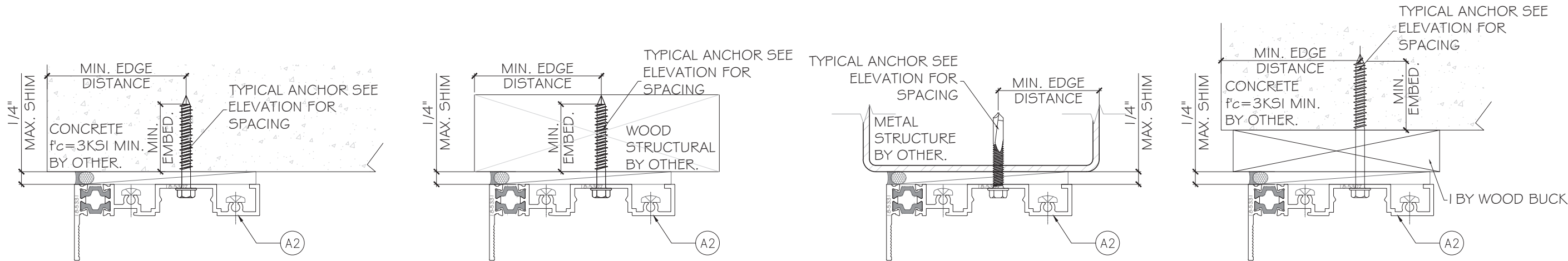
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YIPING WANG
PROF. REGISTRATION
FL 55883
C.A.N. 28677
No 55883

STATE OF FLORIDA
PROFESSIONAL ENGINEER

Sep 20th, 2026

Rev. No.	Date	Drawn By	Description
RO	06.16.2023	James	NEW APPLICATION
RO	09.20.2026	James	FBC 2026
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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'(Fu= 1 64KSI, Fy= 1 48KSI) INTO 2BY WOOD BUCKS OR WOOD STRUCTURE, 1 1/2" MIN. PENETRATION INTO WOOD (HEAD/ JAMB/ SILL)

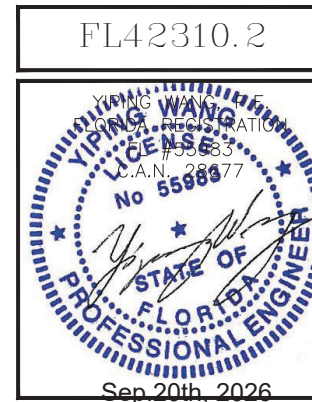
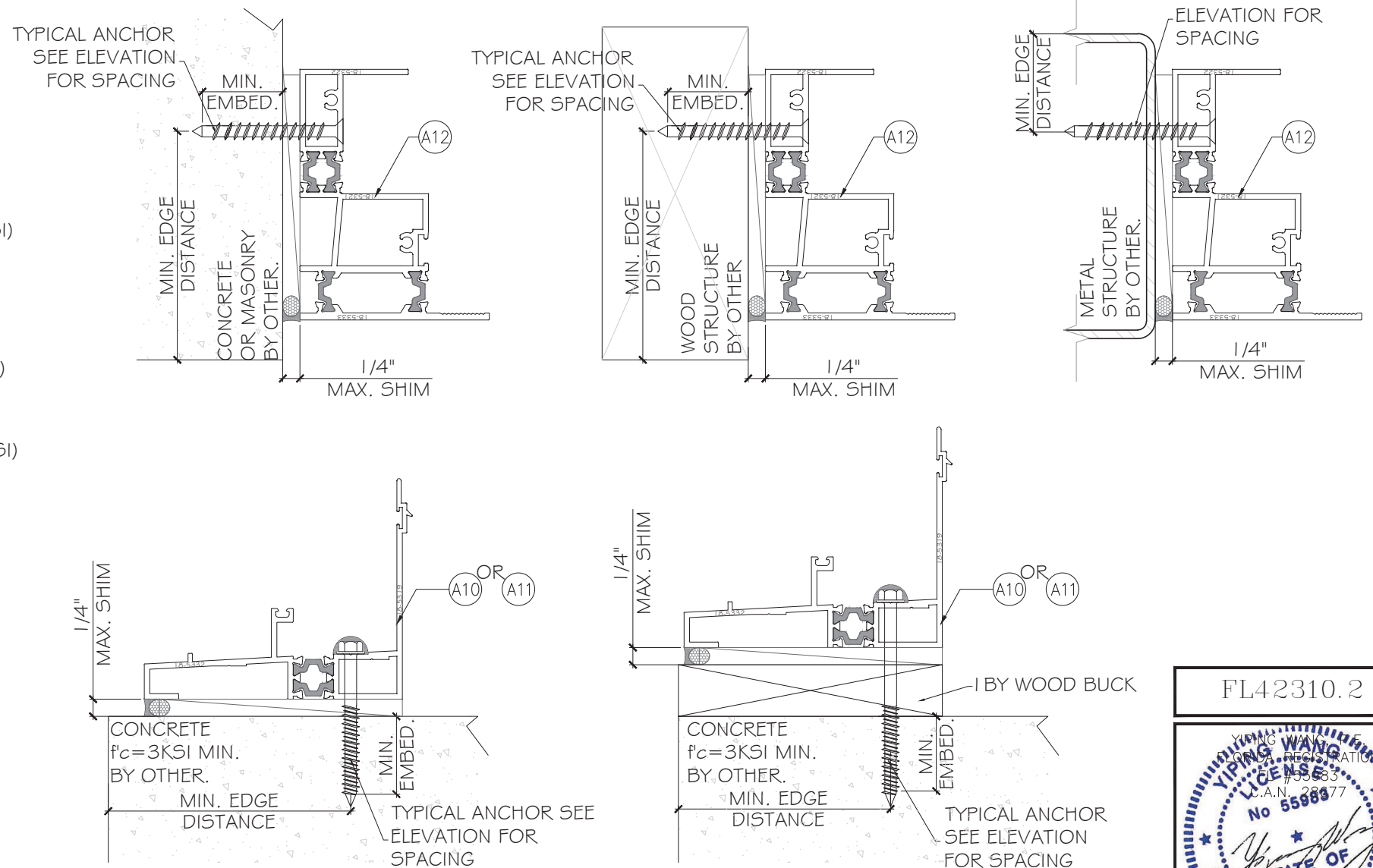
THROUGH 1X WOOD BUCKS INTO CONCRETE OR MASONRY 1 3/4" MIN. EMBEDMENT INTO CONCRETE (HEAD/ JAMB/ SILL) 1 3/4" MIN. EMBEDMENT INTO HOLLOW OR GROUT FILLED BLOCK (JAMB ONLY)

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

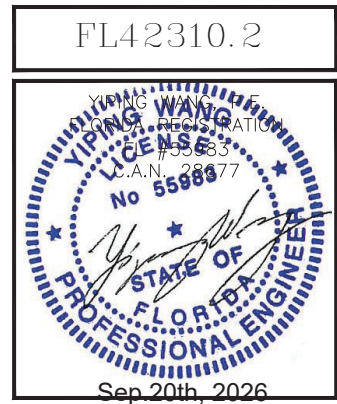
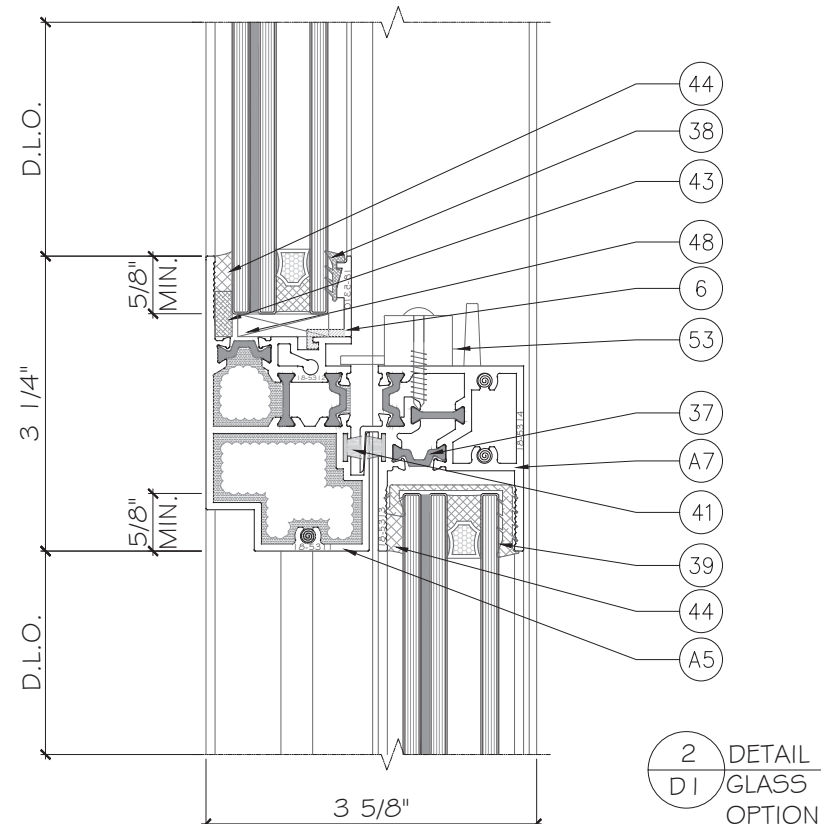
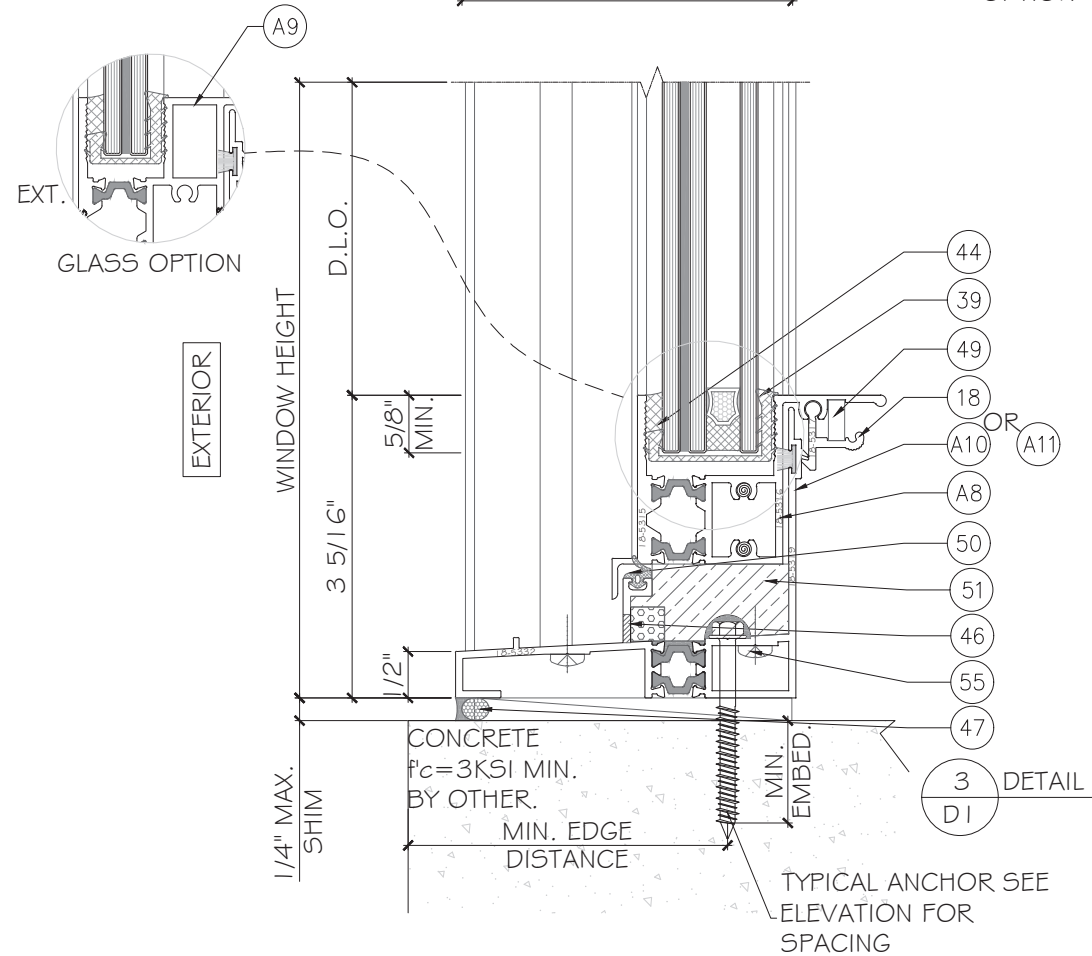
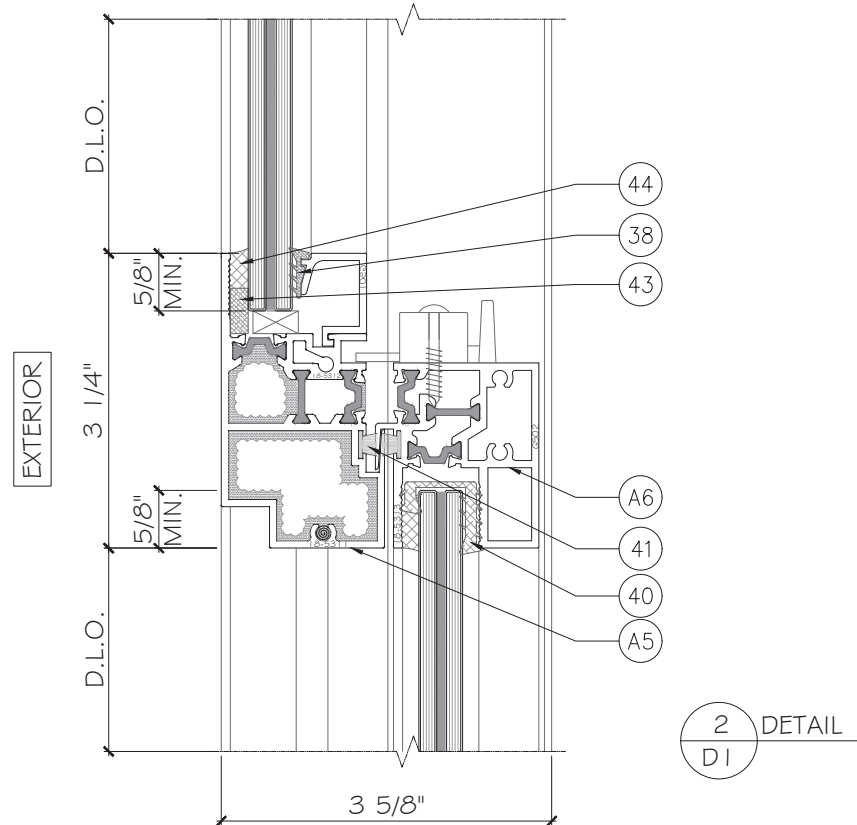
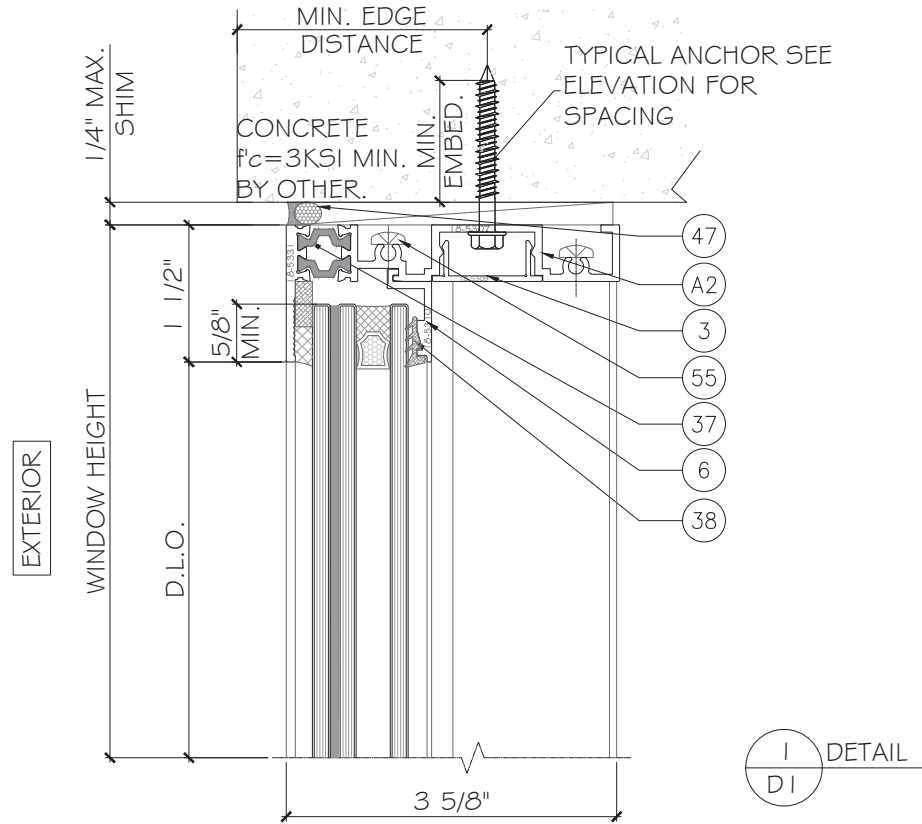
ANCHOR TYPE 'C' - 1/4" DIA. TEKS/SELF DRILLING SCREW (GRADE 5 CRS) INTO F.B.C. APPROVED MULLIONS OR INTO METAL STRUCTURES. (3) THREADS MIN. PENETRATION BEYOND METAL SUBSTRATE

ALUMINUM: 1/8" THK. MIN. (6063-T5, MIN)
STEEL: 1/8" THK. MIN. (Fy=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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SERIES TH -SH-33 ALUMINUM SINGLE HUNG WINDOW - SMI

CUHADAROGLU METAL SAN.PAZ.A.S

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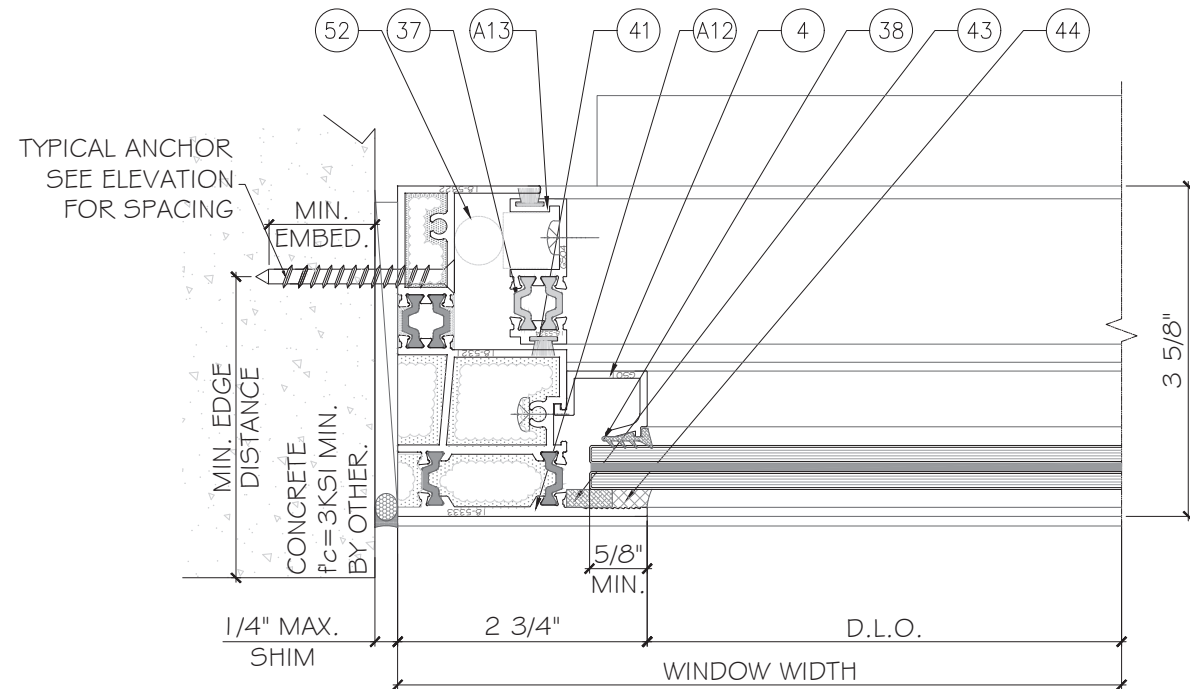
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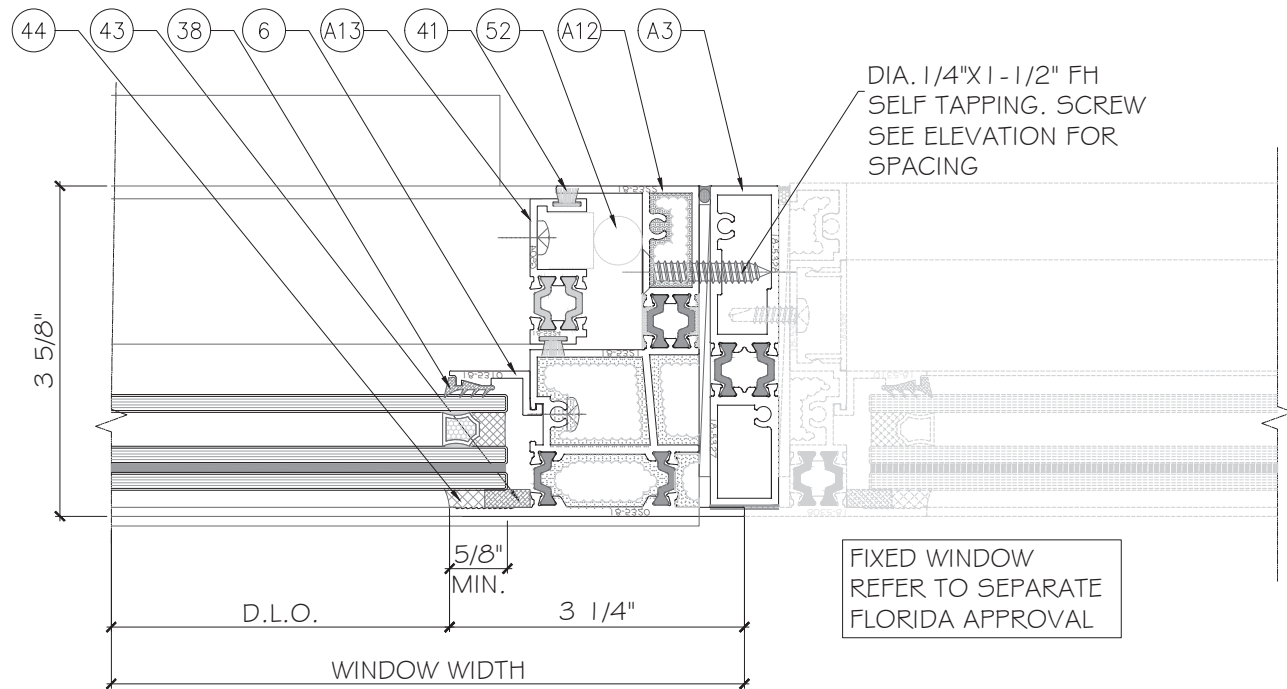
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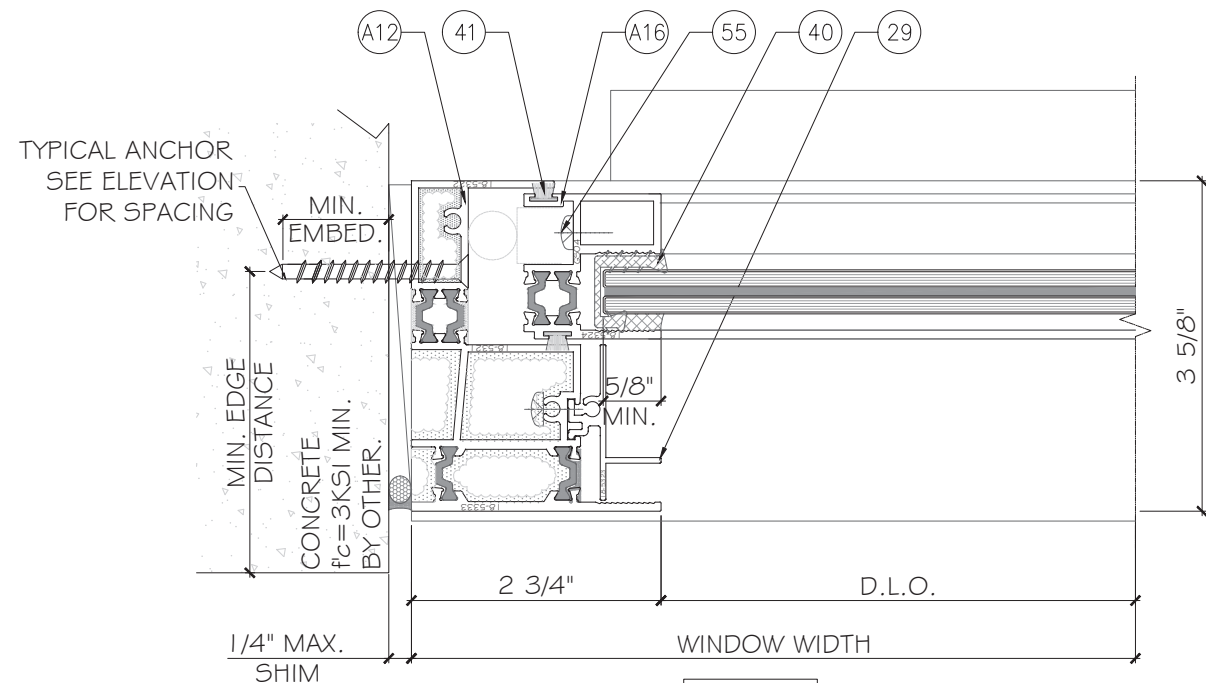
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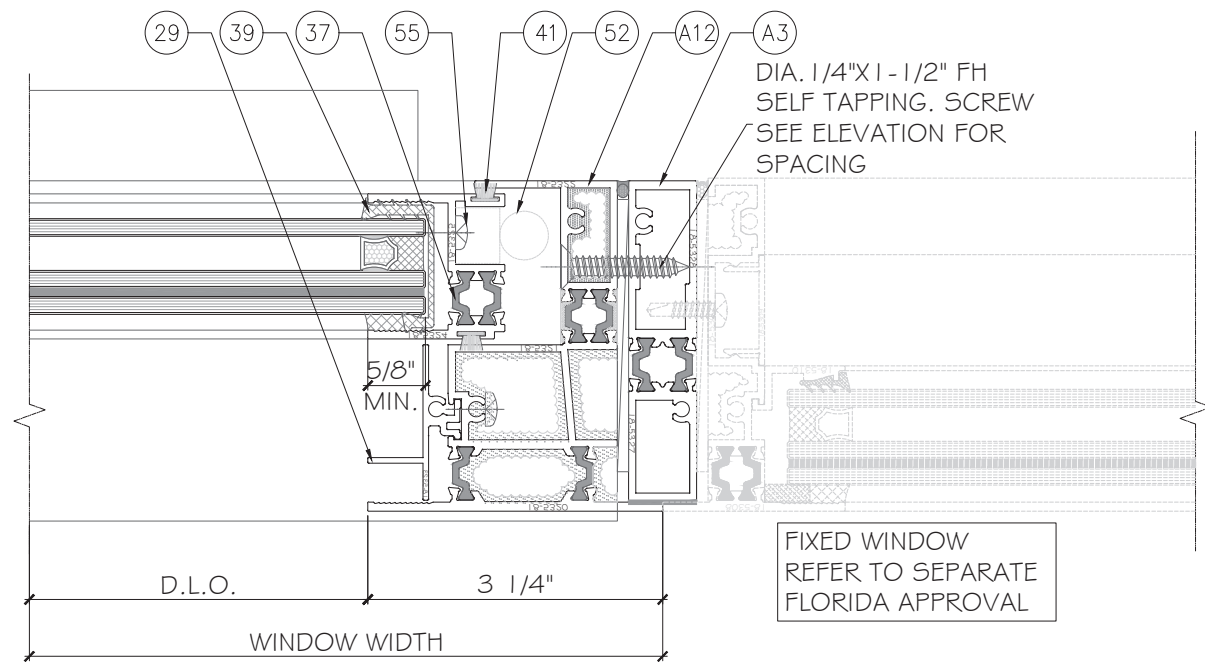
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1
D2



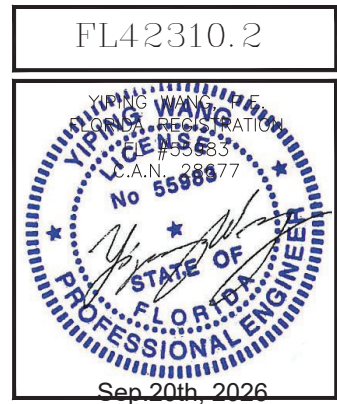
EXTERIOR
2
D2



EXTERIOR
3
D2



EXTERIOR
4
D2



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Drawn Date
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D2

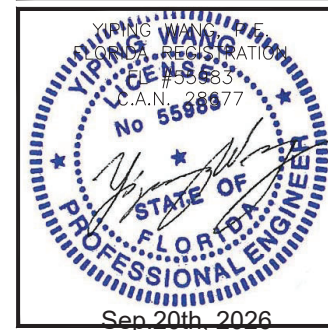
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CASEMENT WINDOW
REFER TO SEPARATE
FLORIDA APPROVAL

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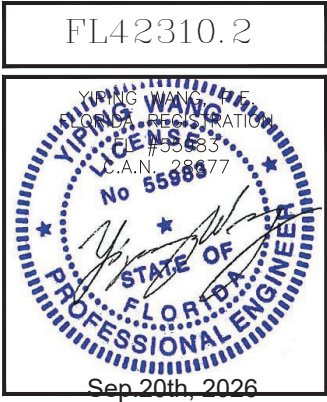
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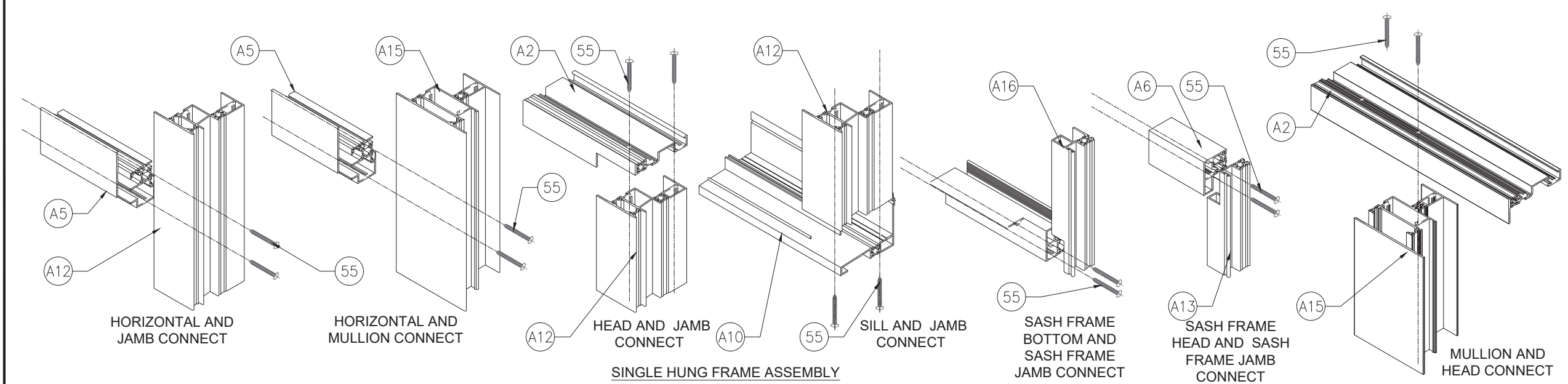
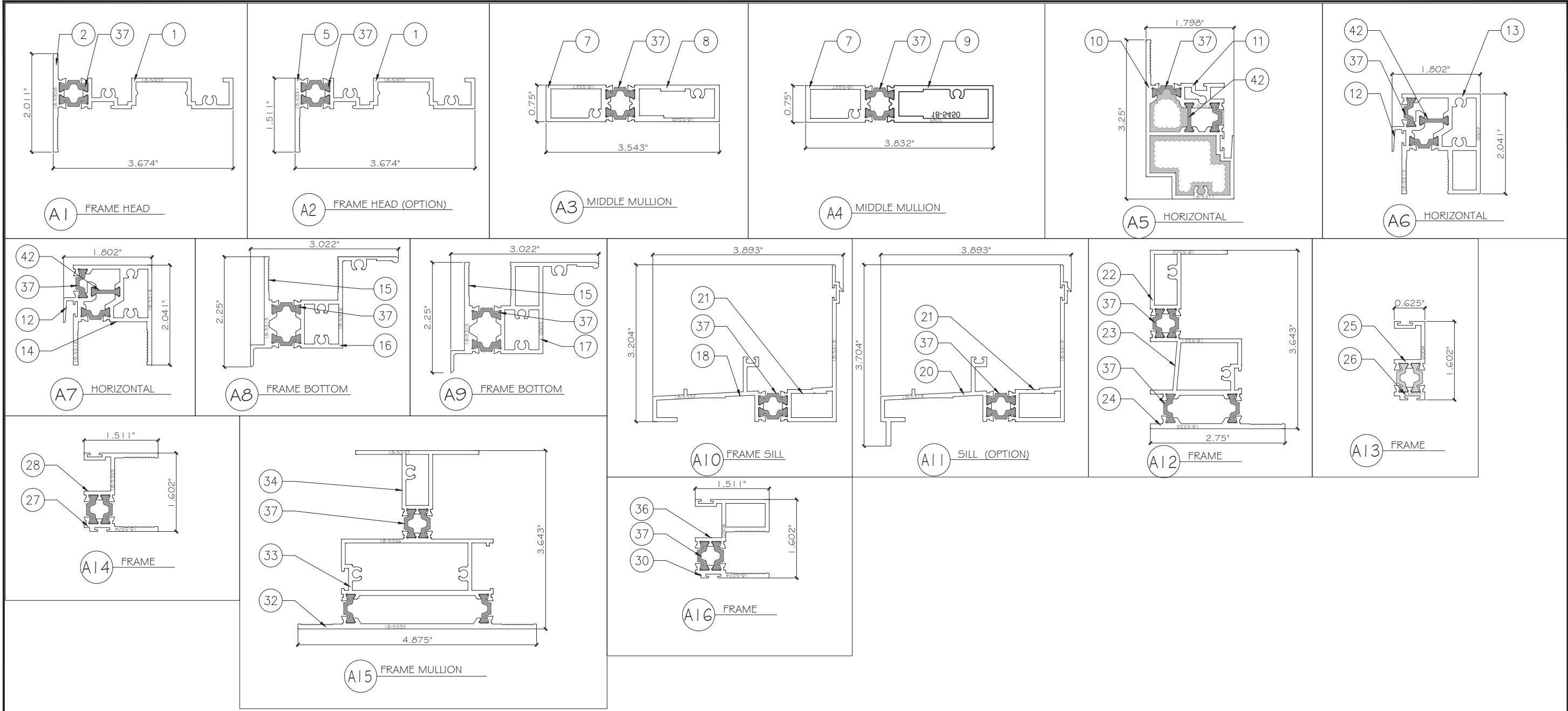


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Sheet No.
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YIPING WANG
REGISTERED PROFESSIONAL ENGINEER
No 55988
STATE OF FLORIDA

Sep 20th, 2026

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SERIES TH -SH-33 ALUMINUM SINGLE HUNG WINDOW - SMI

CUHADAROGU METAL SAN.PAZ.A.S
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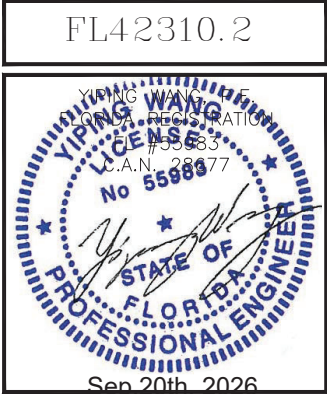
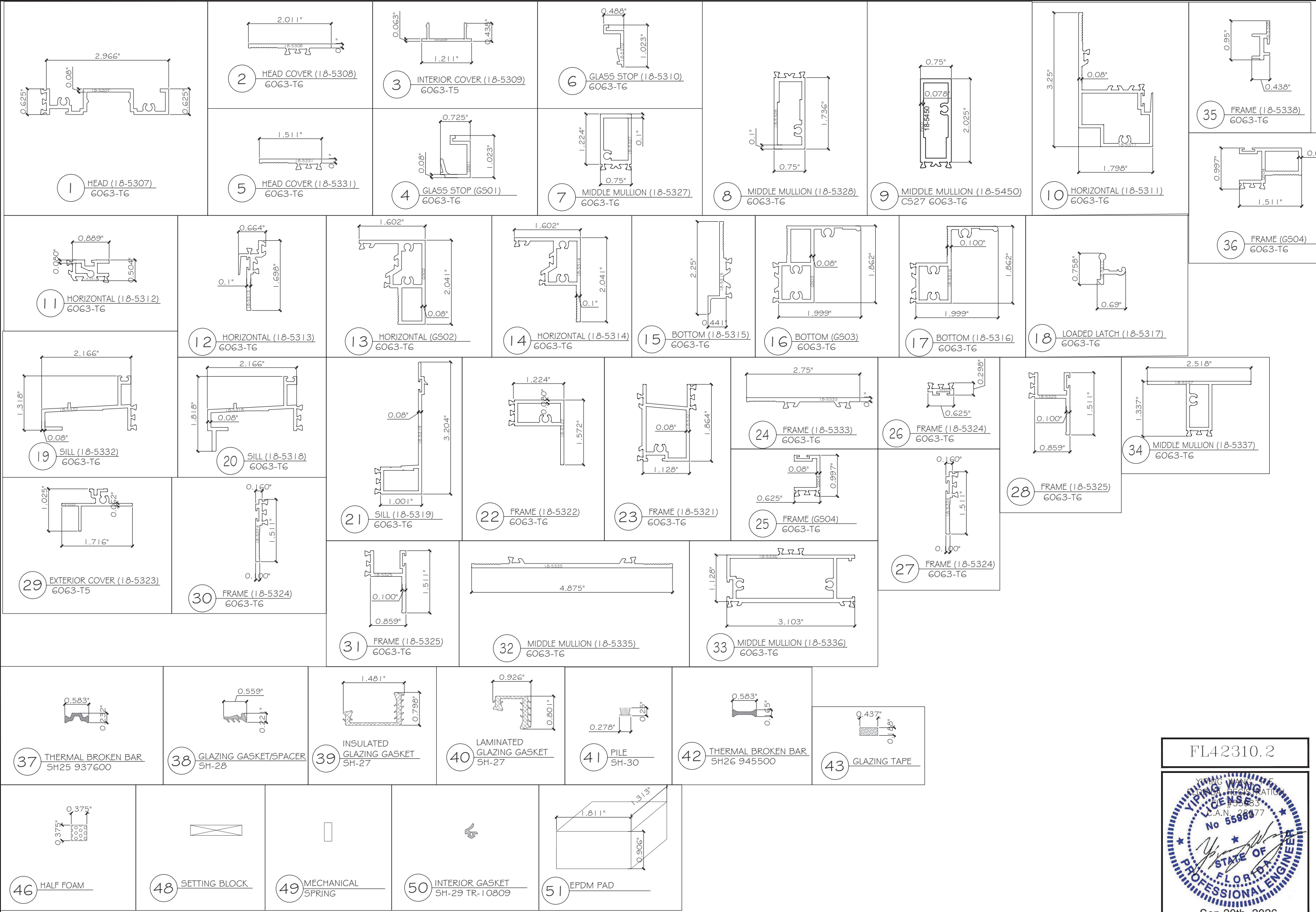
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PART

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09.20.2026

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PART

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BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	REMARKS
35	18-5338	FRAME	6063-T6	-
36	G504	FRAME	6063-T6	-
37	SH25 937600	THERMAL BROKEN BAR	PAG6 GF25 NYLON INSULATION STRIP	TECHNOFORM BAUTEC I 937600
38	SH-28	GLAZING GASKET/SPACER	EPDM (70 DURO)	-
39	SH-27	INSULATED GLAZING GASKET	SILICONE	-
40	SH-27	LAMINATED GLAZING GASKET	SILICONE	-
41	SH-30	PILE	-	ULTRAFAB
42	SH26 945500	THERMAL BROKEN BAR	PAG6 GF25 NYLON INSULATION STRIP	TECHNOFORM BAUTEC I 937600
43	-	GLAZING TAPE	HIGH DENSITY POLYURETHANE TAPE	-
44	-	STRUCTURAL SEALANT, TREMCO SPECTREM 2	SILICONE	TREMCO
45	-	WEATHER SEALANT, TREMCO SPECTREM I	SILICONE	TREMCO
46	-	FOAM BAR	-	-
47	-	WEATHER SEALANT TREMCO SPECTREM I & BACKER ROD	SILICONE	TREMCO
48	-	SETTING BLOCK, EPDM (70 DURO.)	EPDM	-
49	-	MECHANICAL SPRING	-	-
50	SH-29 TR-10809	INTERIOR GASKET	SILICONE	-
51	-	EPDM PAD	-	-
52	-	SPIRAL BALANCE STRYBUC 88L SERIES ULTRALIFT 43/64" HEAVY DUTY TUBE BALANCE	-	-
53	-	STRYBUC SWEEP LOCKS 2-13/16" AND 2-1/4".	-	-
54	-	DIA. 1/4"X 1-1/2" FH SELF-TAPPING. SCREW	STAINLESS STEEL	-
55	-	#10X 1 1/2" LG SELF-TAPPING SCREW, FRAME ASSEMBLY.	STAINLESS STEEL	-
56	-	DIA.3/16"X 1" FH SELF-DRILLING SCREW	STAINLESS STEEL	-


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