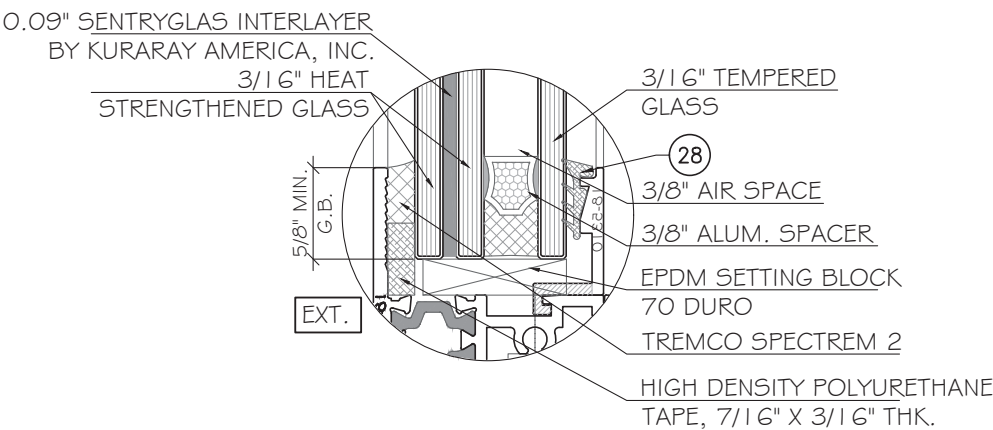
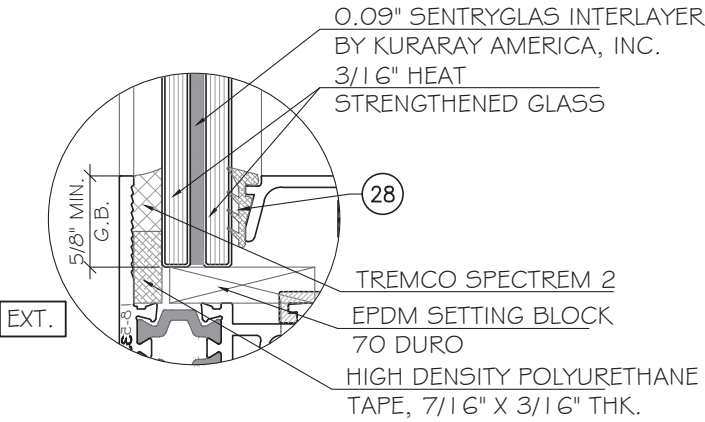


CUHADAROGLU METAL SAN.PAZ.A.S
SERIES TH-FW-33 ALUMINUM FIXED WINDOW - (L.M.I)



G1 GLASS TYPE 'G1'
1 1/16" NOMINAL OVERALL



G2 GLASS TYPE 'G2'
7/16" NOMINAL OVERALL

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION OF FLORIDA BUILDING CODE 2020/8TH EDITION OF FLORIDA BUILDING CODE 2023 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 7TH EDITION OF FLORIDA BUILDING CODE 2020/8TH 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.
- 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.
- SEALANT:
ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME
INSTALLATION FASTENERS SEALED WITH SILICONE SEALANT.

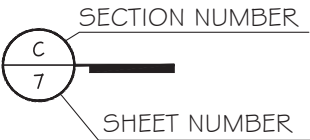
NOTE:
GLASS COMPLIES WITH ASTM E1300-09
(3 SEC. GUSTS).

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

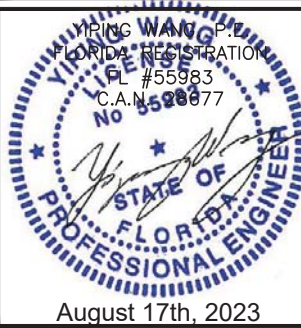
G.B. - GLASS BITE
D.L.O. - DAYLITE OPENING
F.H. - FRAME HEIGHT
F.W. - FRAME WIDTH
W/ - WITH
W/O - WITHOUT
O.C. - ON CENTER



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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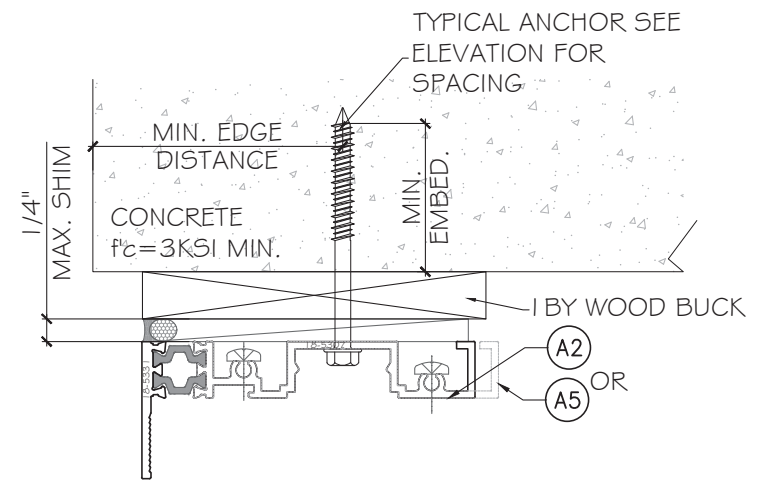
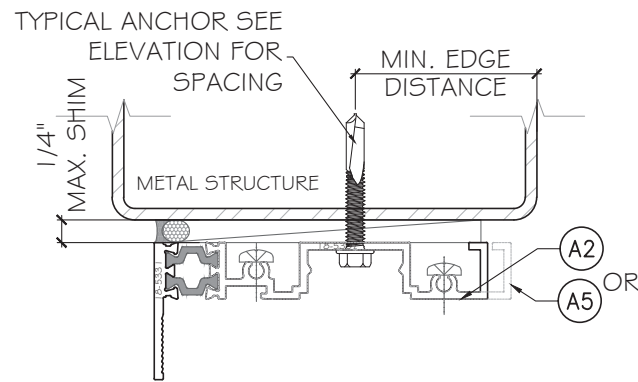
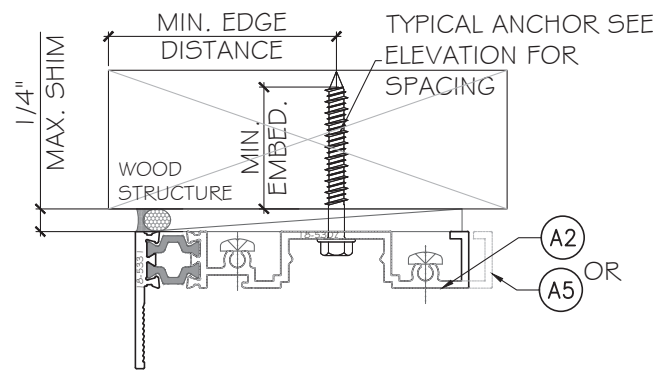
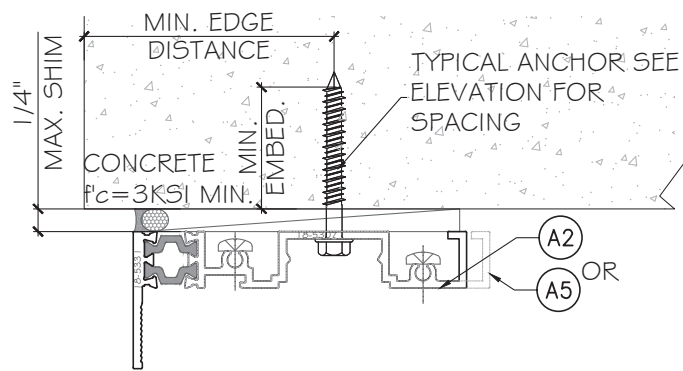
Drawn Date
05/30/2023

Scale

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AD23-06

COVER

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1 OF 9



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= 164KSI, Fy= 148KSI) INTO 2BY WOOD BUCKS OR WOOD STRUCTURE, 1 1/2" MIN. PENETRATION INTO WOOD (HEAD/ JAMB/ SILL)

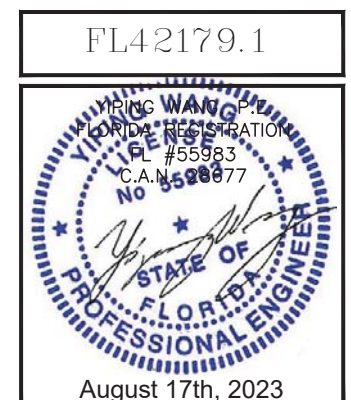
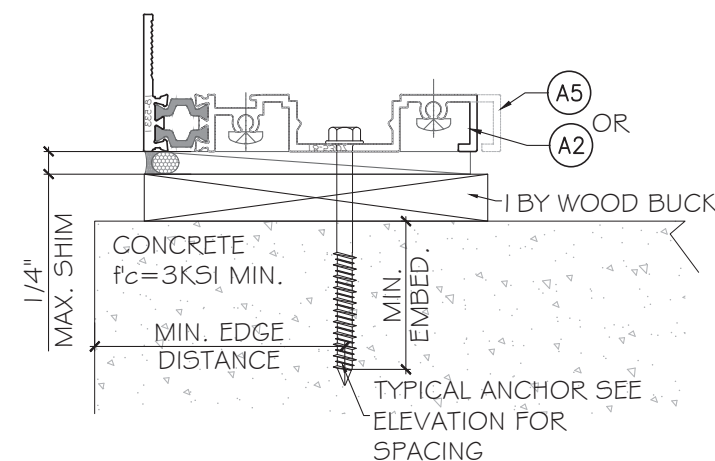
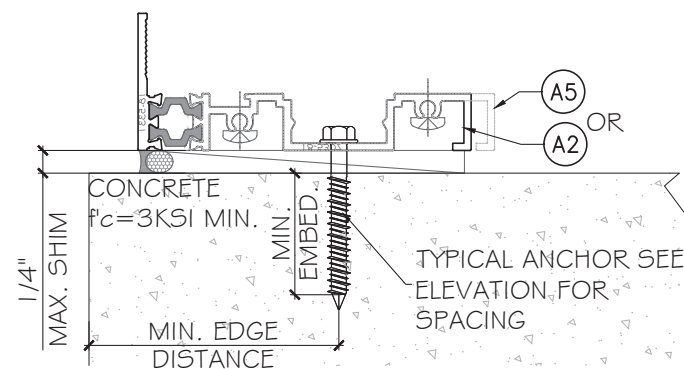
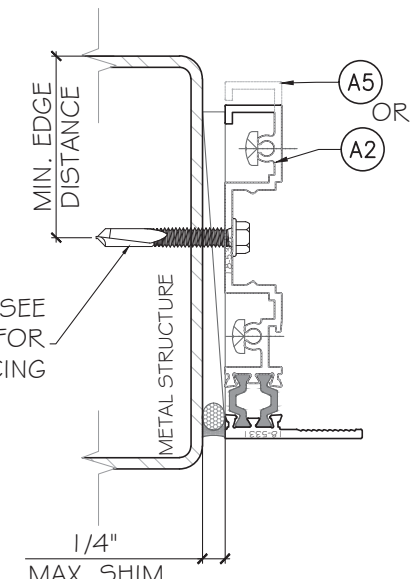
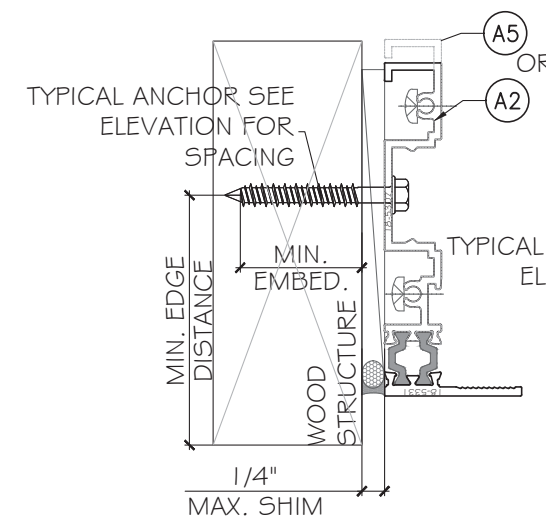
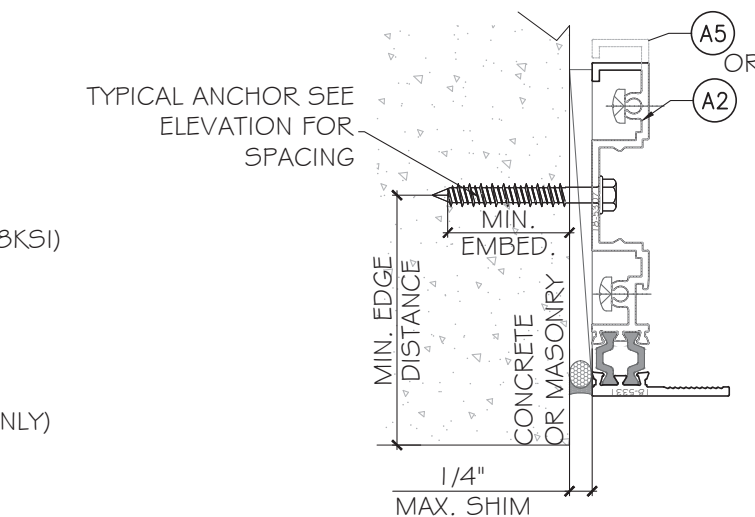
THROUGH 1X WOOD BUCKS INTO CONCRETE OR MASONRY
1 3/4" MIN. EMBEDMENT INTO CONCRETE (HEAD/ JAMB/ SILL)
1 3/4" MIN. EMBEDMENT INTO HOLLOW OR GROUT FILLED BLOCK (JAMB ONLY)

ANCHOR TYPE 'B' - 1/4" DIA. ULTRACON+ BY 'DEWALT'(Fu= 164KSI, Fy= 148KSI) 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: fm=2000 PSI MIN.



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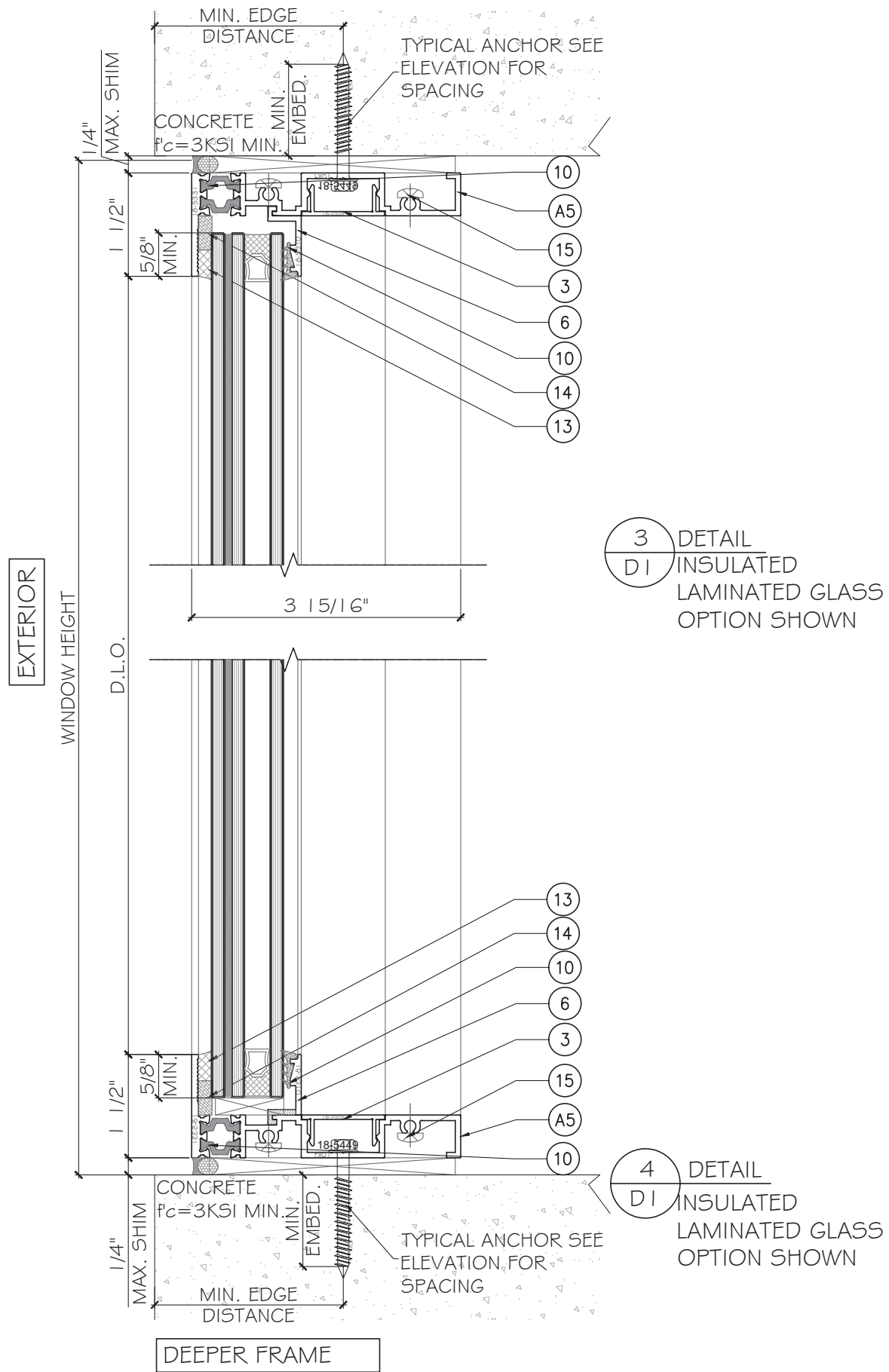
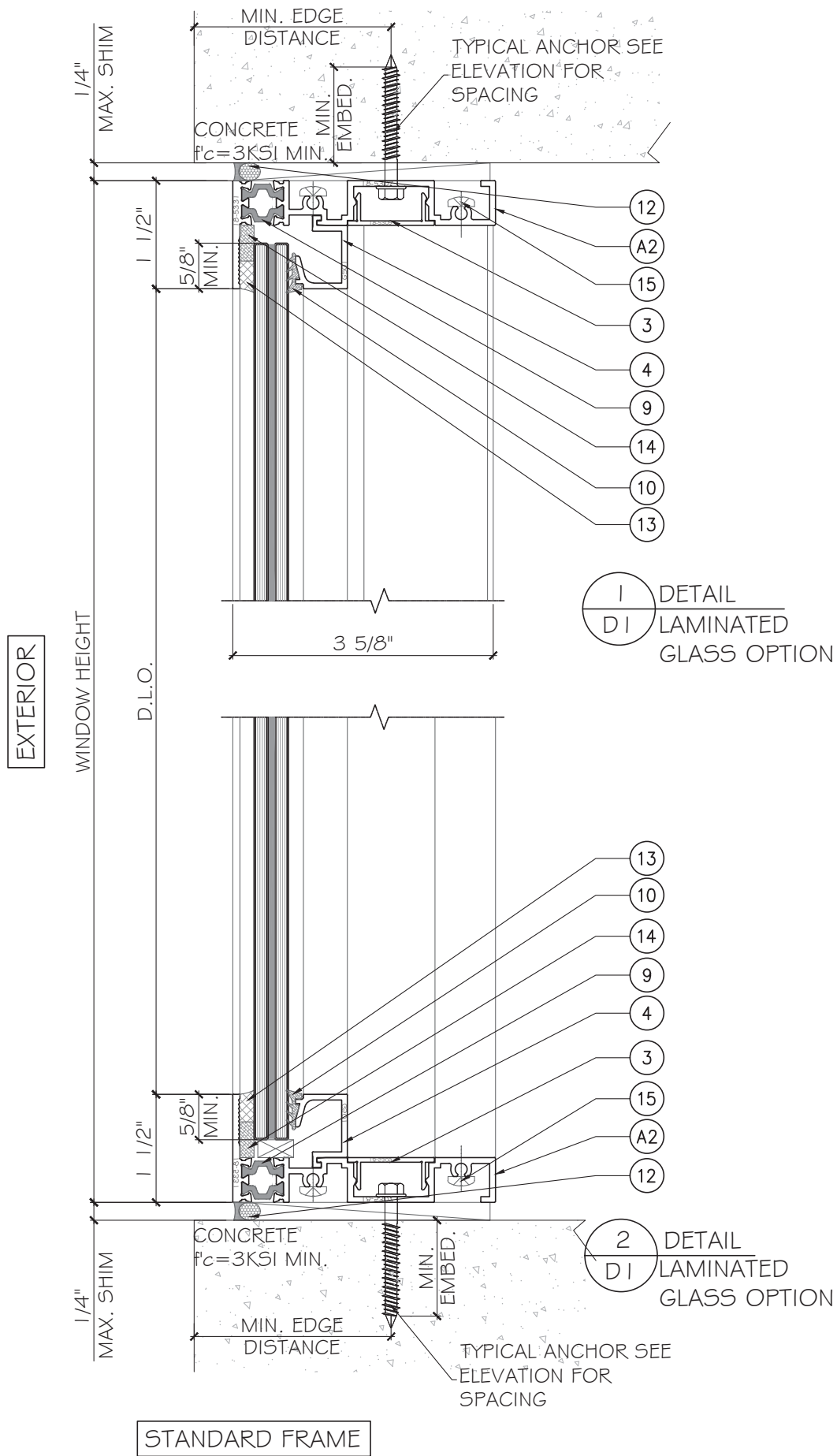
CUHADAROGLU METAL SAN.PAZ.A.S

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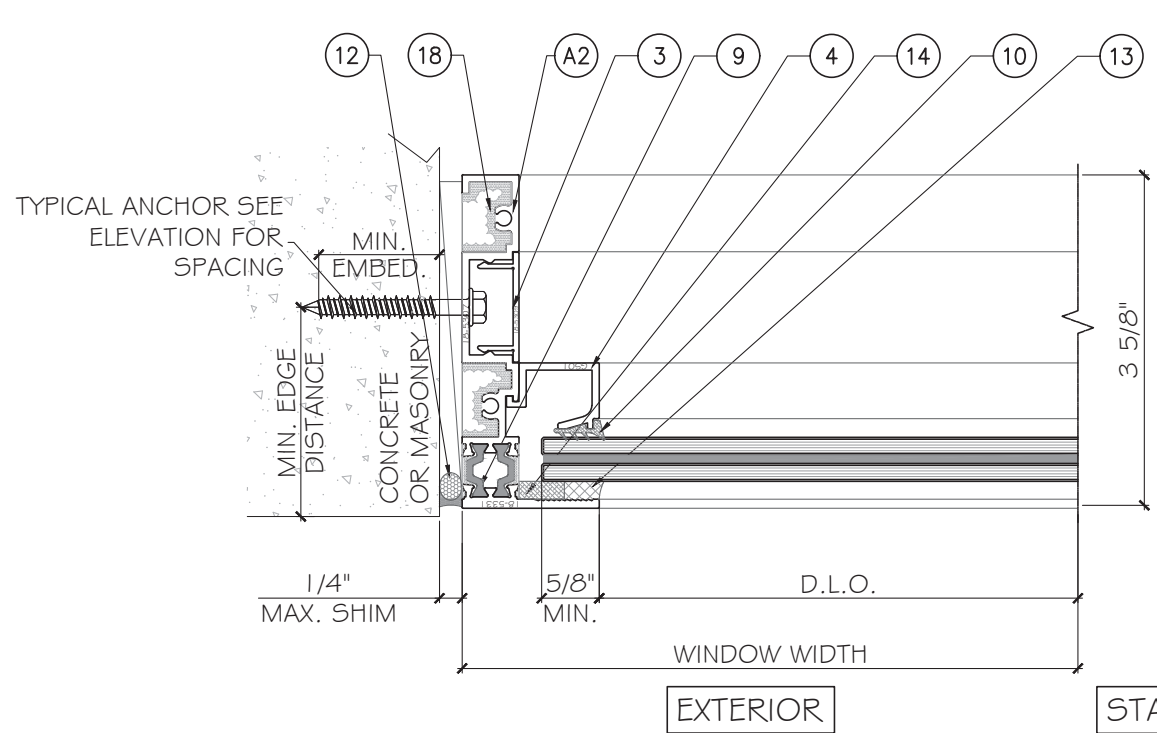
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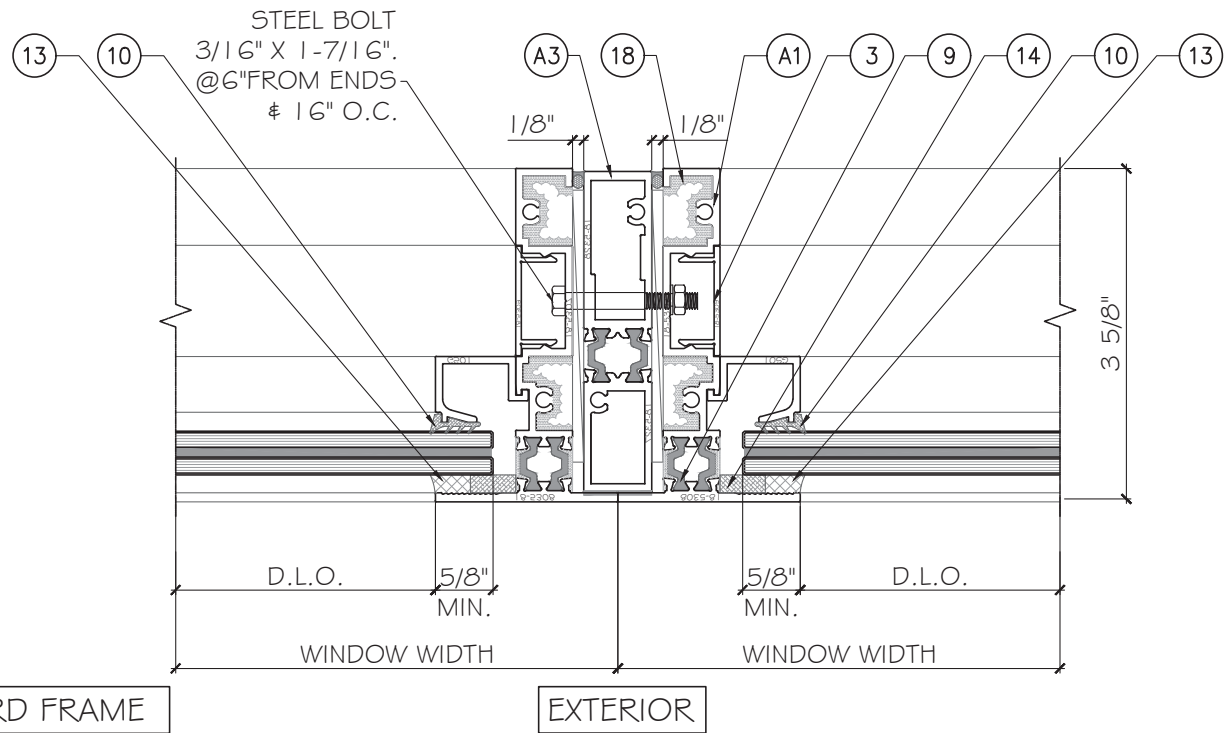
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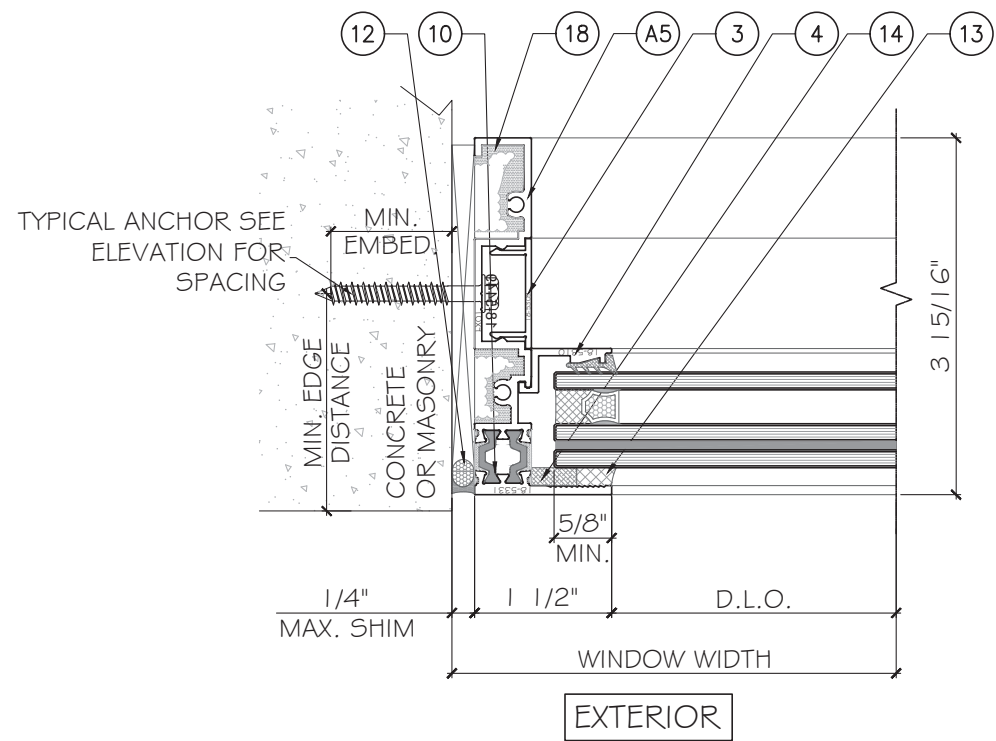
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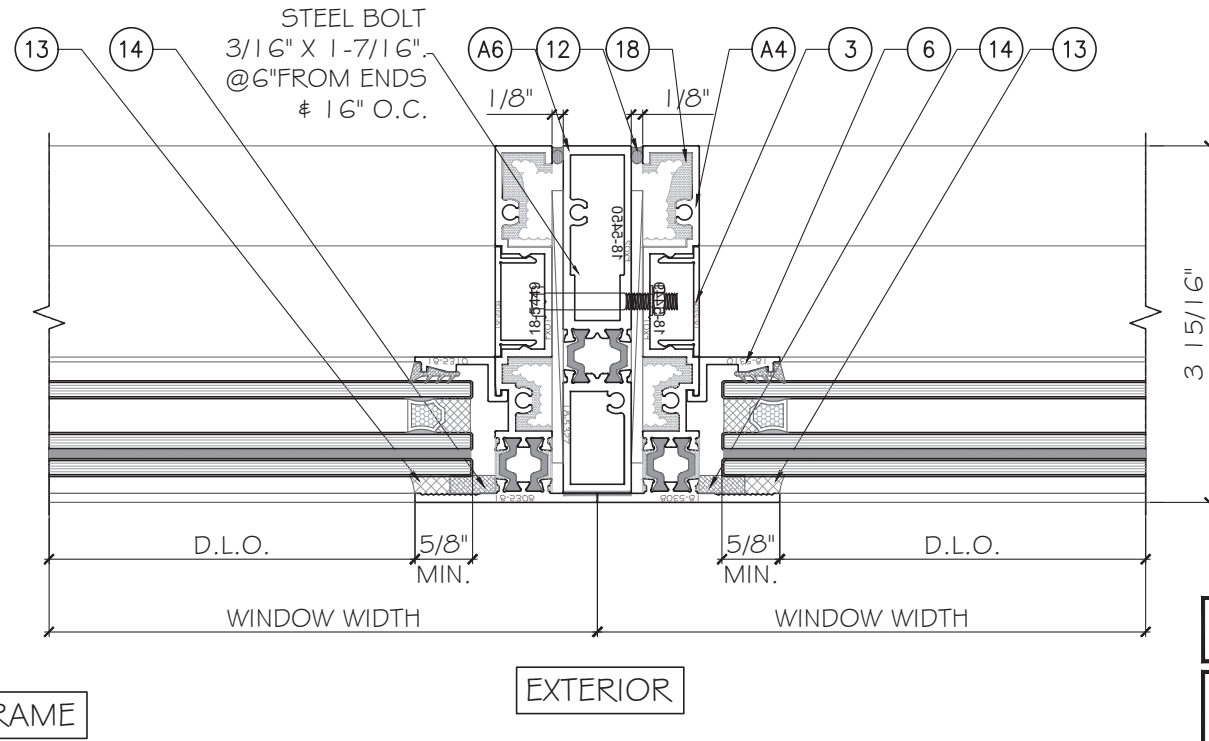
1
D2
DETAIL



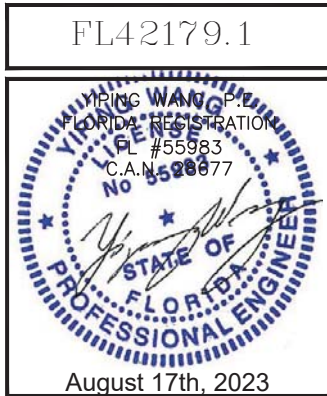
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D2
DETAIL



3
D2
DETAIL



4
D2
DETAIL



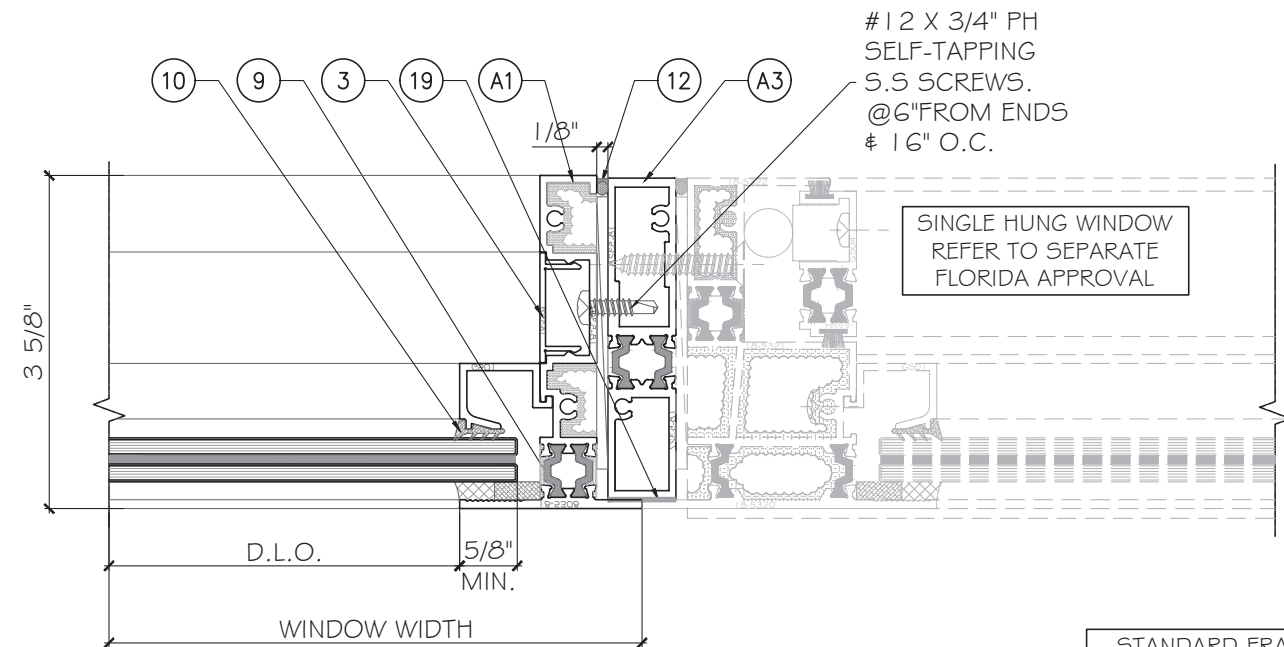
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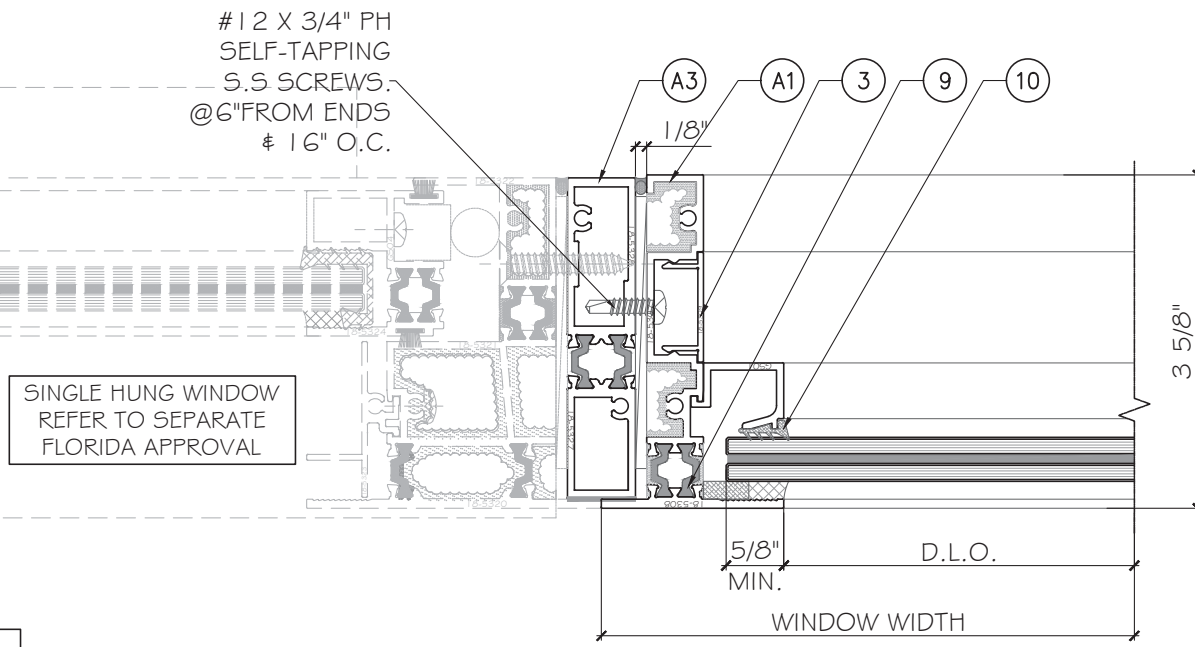
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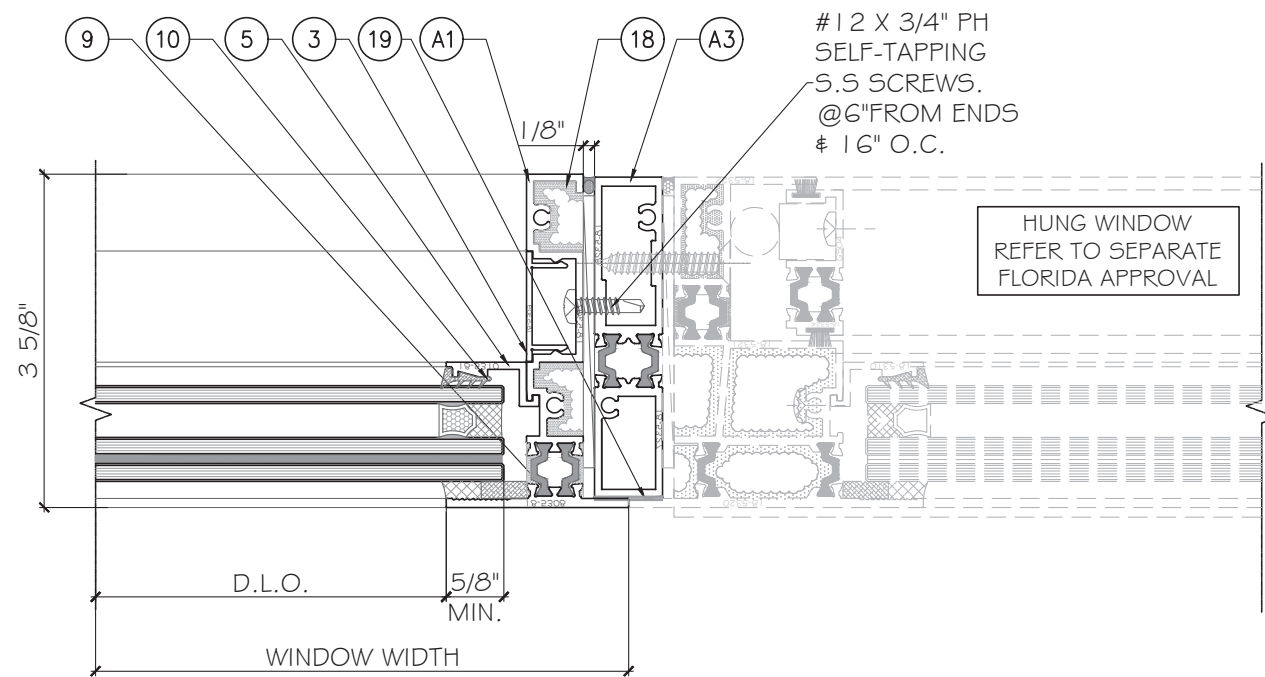
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D3
DETAIL



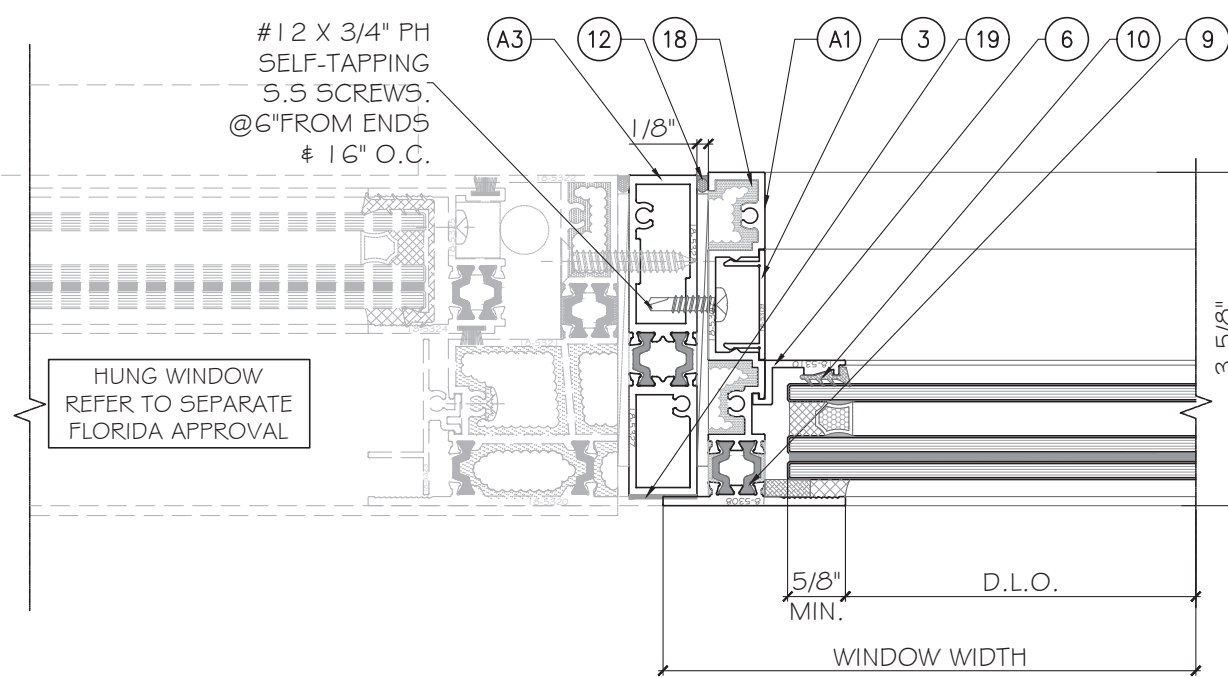
EXTERIOR

2
D3
DETAIL



EXTERIOR

1
D3
DETAIL
GLASS
OPTION



EXTERIOR

2
D3
DETAIL
GLASS
OPTION

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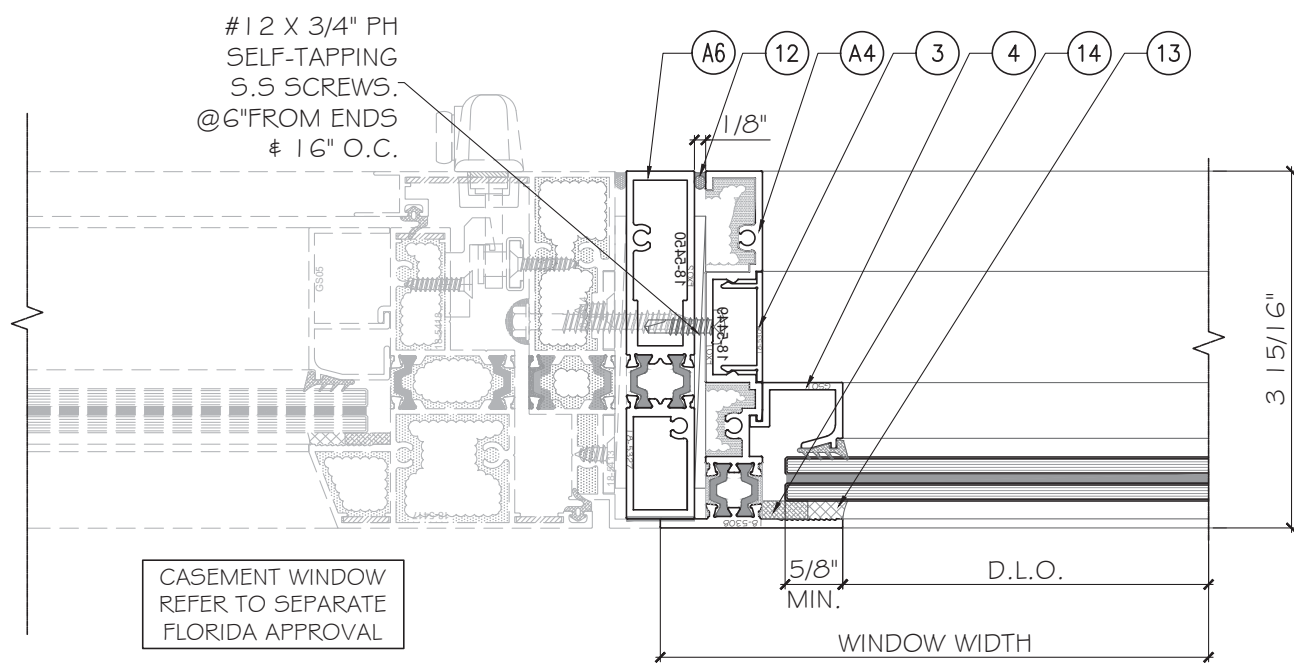
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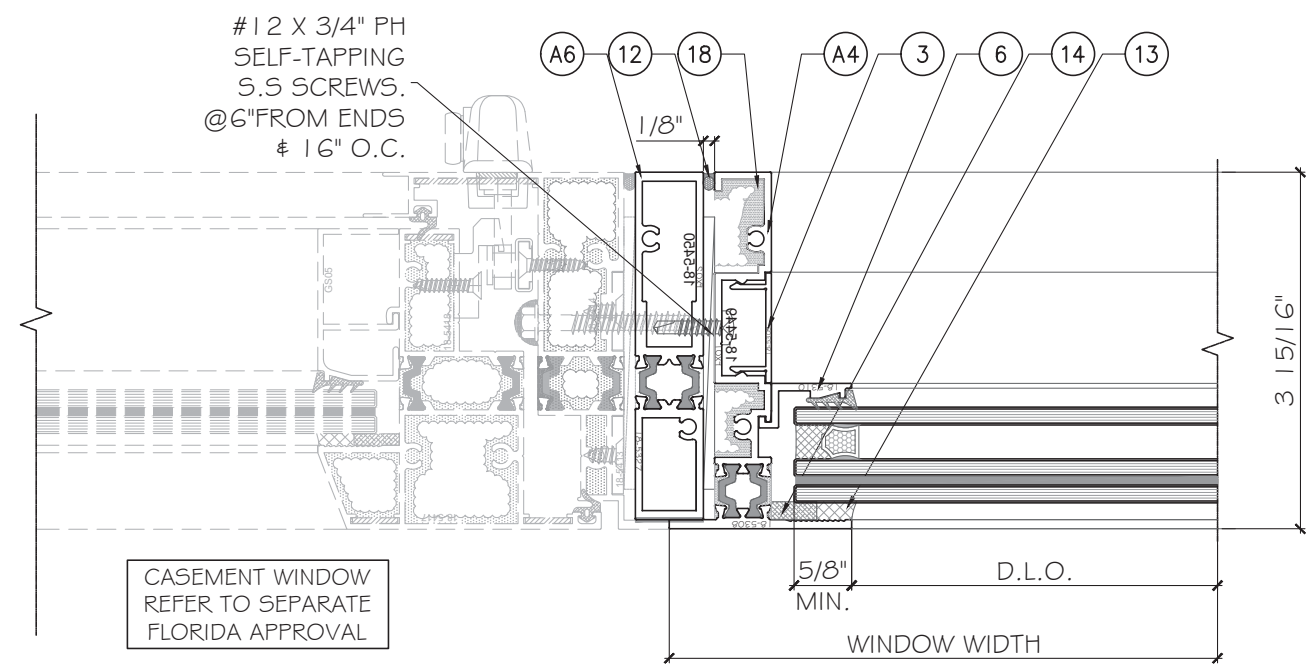
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EXTERIOR

1
D4

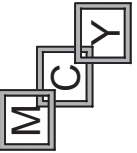
NOTE: MULLION CAPACITY REFER
TO CASEMENT WINDOW APPROVAL.



EXTERIOR

1
D4

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August 17th, 2023

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	-	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	-	TREMCO
13		STRUCTURAL SEALANT,TREMCO SPECTREM 2	-	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		TREMCO

A circular blue seal for the State of Florida Professional Engineer. The outer ring contains the text "STATE OF FLORIDA" at the top and "PROFESSIONAL ENGINEER" at the bottom, separated by two stars. Inside the ring, the text "LICENSE NO. 559983" is printed. Overlaid on the seal is a handwritten signature in black ink, which appears to read "Spring Wang". Above the signature, the text "SPRING WANG, P.E." and "FL #559983" is printed in black. Below the signature, the text "C.A.N. 559983" is printed in black.

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