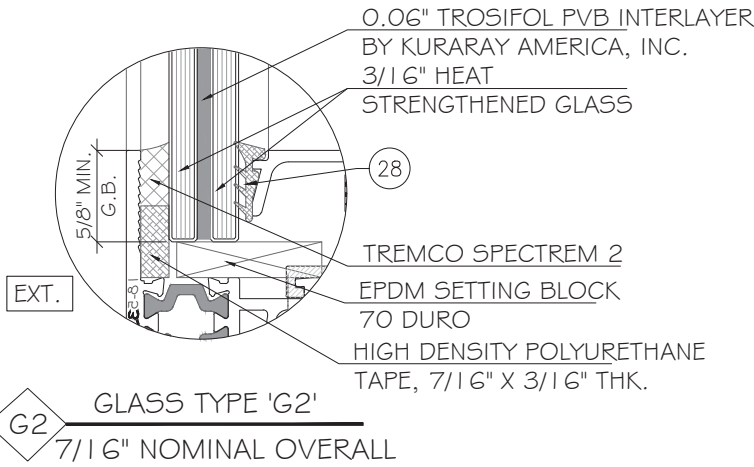
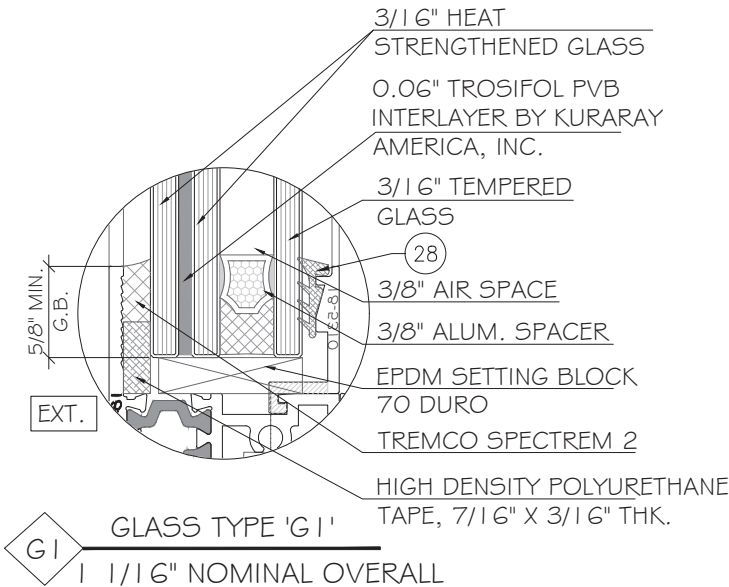


CUHADAROGLU METAL SAN.PAZ.A.S  
SERIES TH-FW-33 ALUMINUM FIXED WINDOW - (S.M.I)



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 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.
- 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).

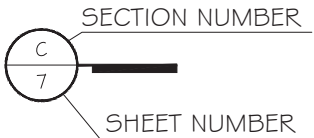
NOTE:  
GLASS COMPLIES WITH ASTM E1300-16  
OR 24 (3 SEC. GUSTS).

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.

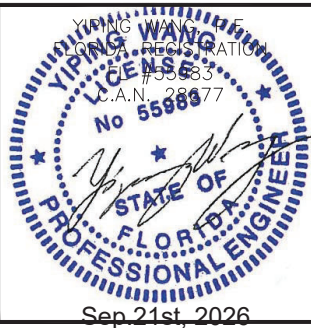
ABBREVIATIONS AND SYMBOLS

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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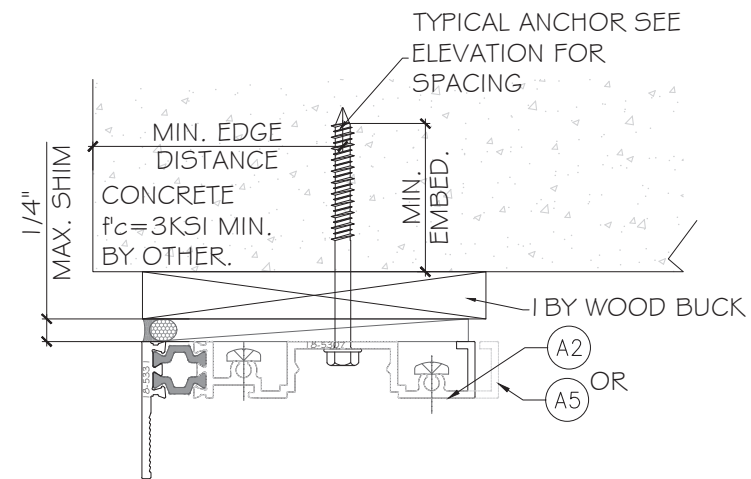
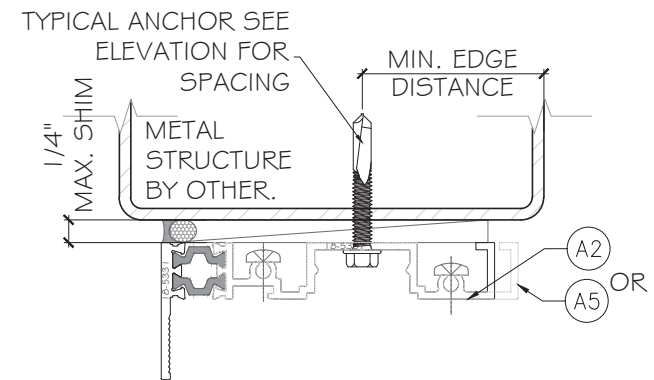
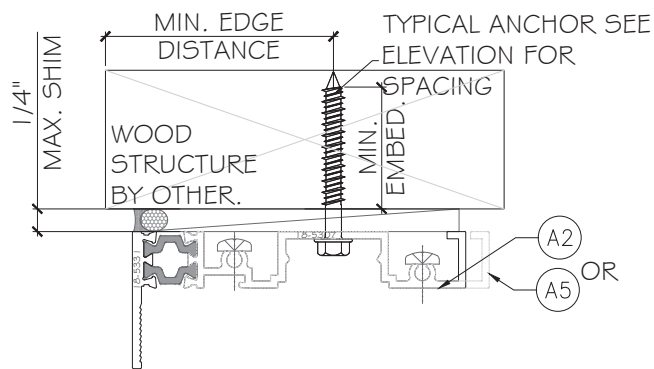
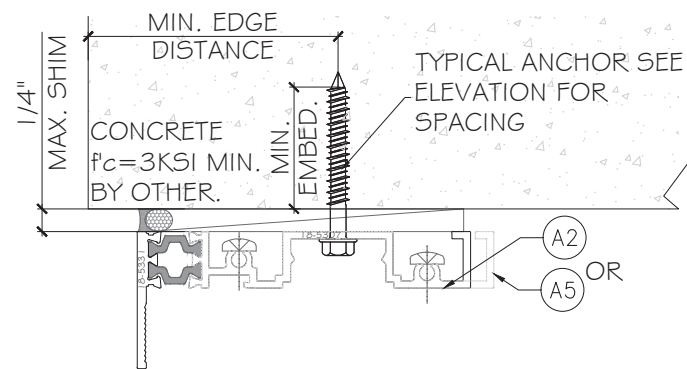
Drawn Date 09.21.2026 Scale

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AD23-16

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)

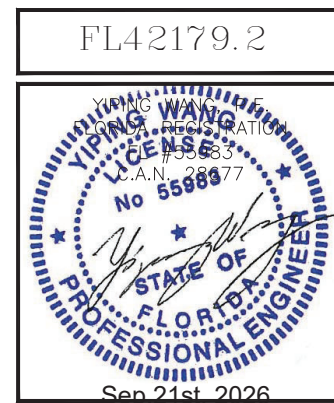
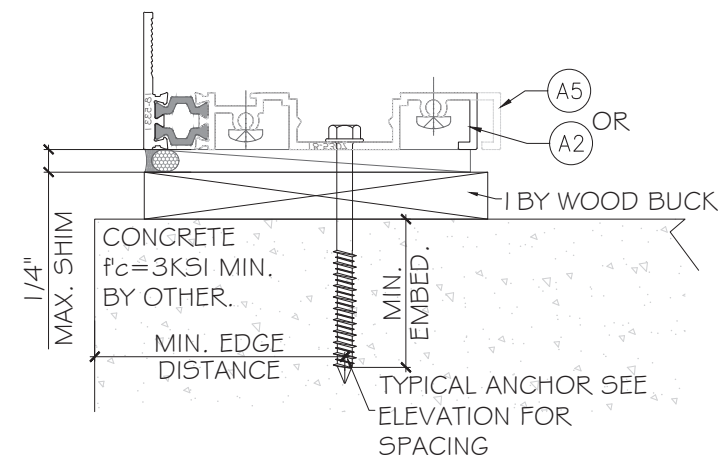
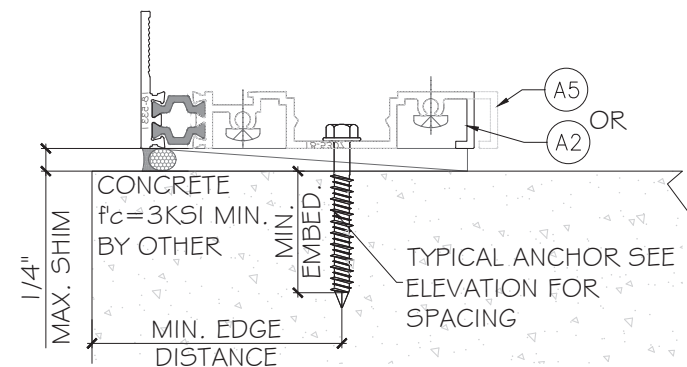
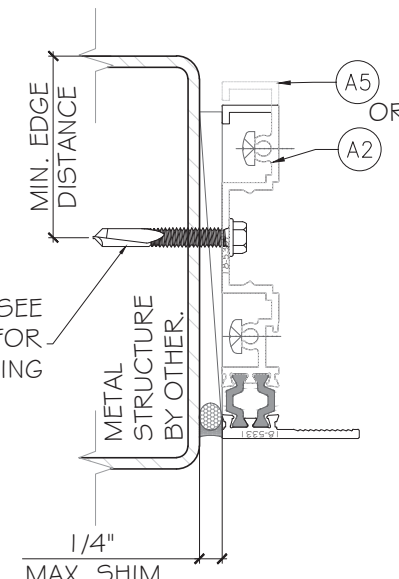
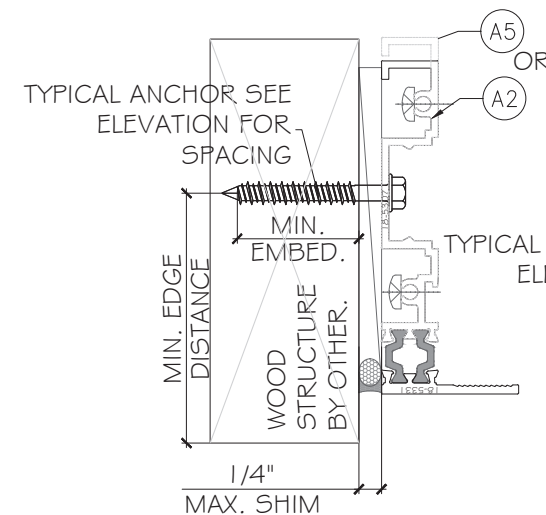
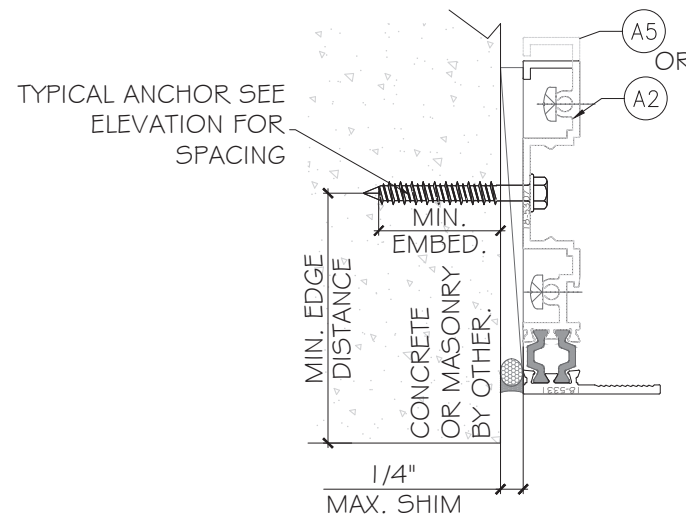
THROUGH 1X WOOD BUCKS INTO CONCRETE OR MASONRY 1 3/4" MIN. EMBEDMENT INTO CONCRETE (HEAD/ JAMB/ SILL) 1 3/4" MIN. EMBEDMENT INTO HOLLOW OR GROUT FILLED BLOCK (JAMB ONLY)

ANCHOR TYPE 'B' - 1/4" DIA. ULTRACON+ BY 'DEWALT'(Fu= 164KSI, Fy= 148KSI) DIRECTLY INTO CONCRETE W/ 1 3/4" MIN. EMBEDMENT

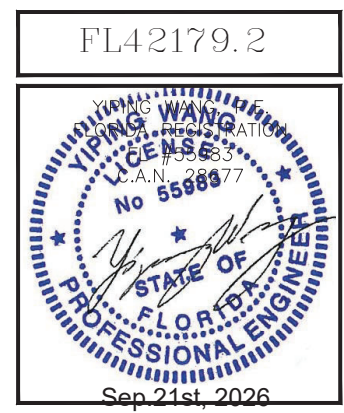
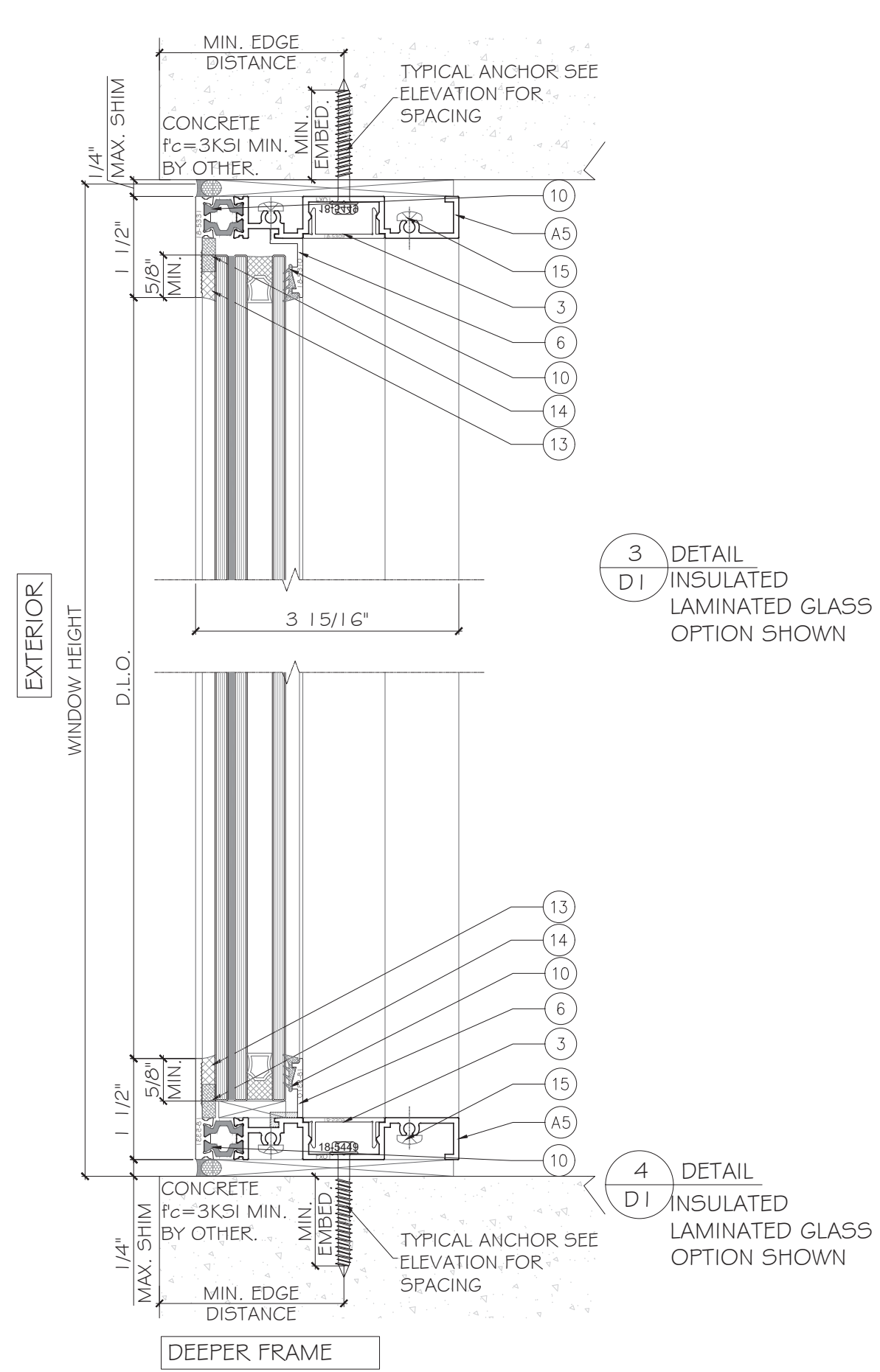
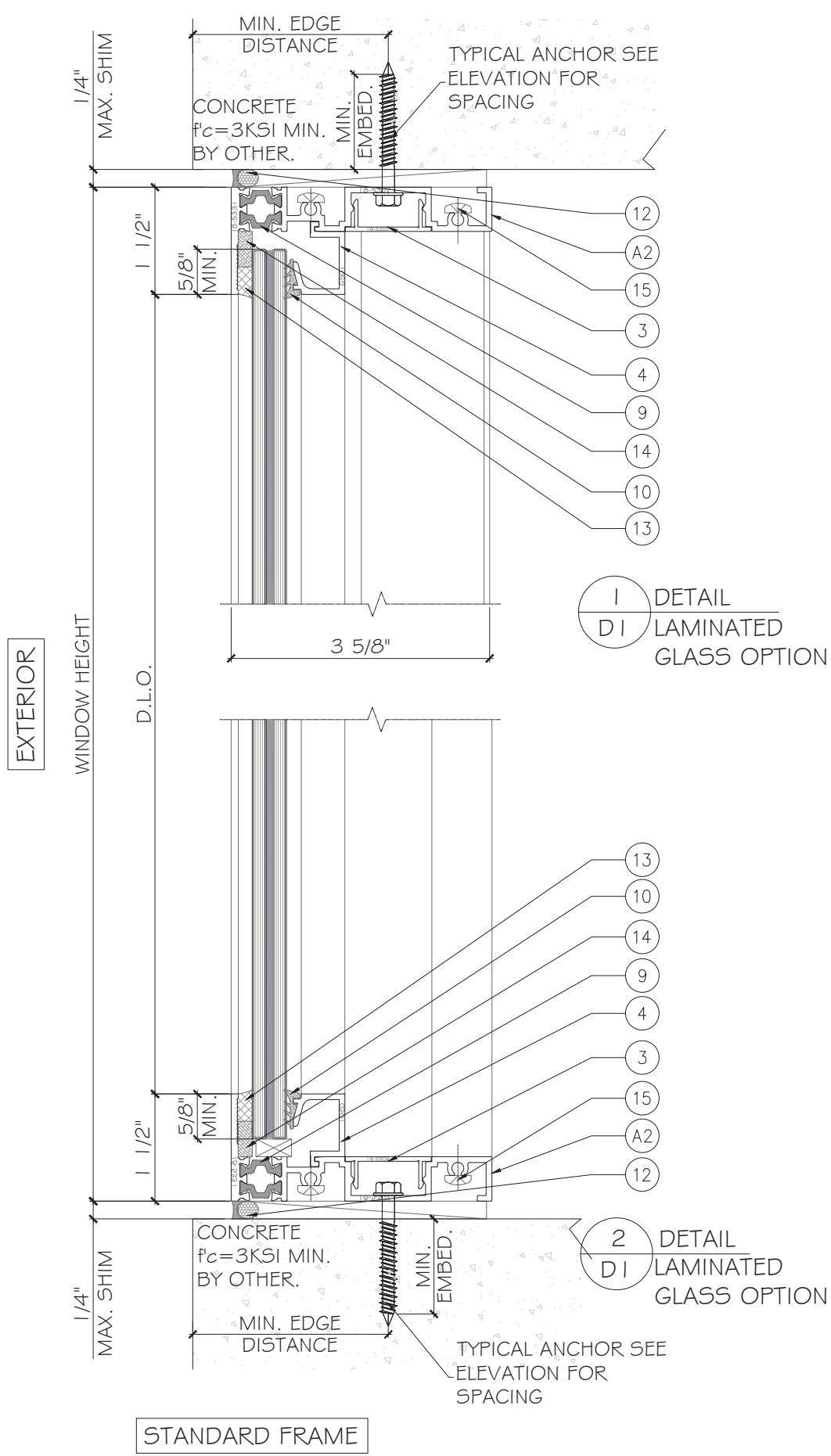
ANCHOR TYPE 'C' - 1/4" DIA. TEKS/SELF DRILLING SCREW (GRADE 5 CRS) INTO F.B.C. APPROVED MULLIONS OR INTO METAL STRUCTURES. (3) THREADS MIN. PENETRATION BEYOND METAL SUBSTRATE

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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| Drawn Date 09.21.2026 Scale |            |          |                 |
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| A1                          |            |          |                 |
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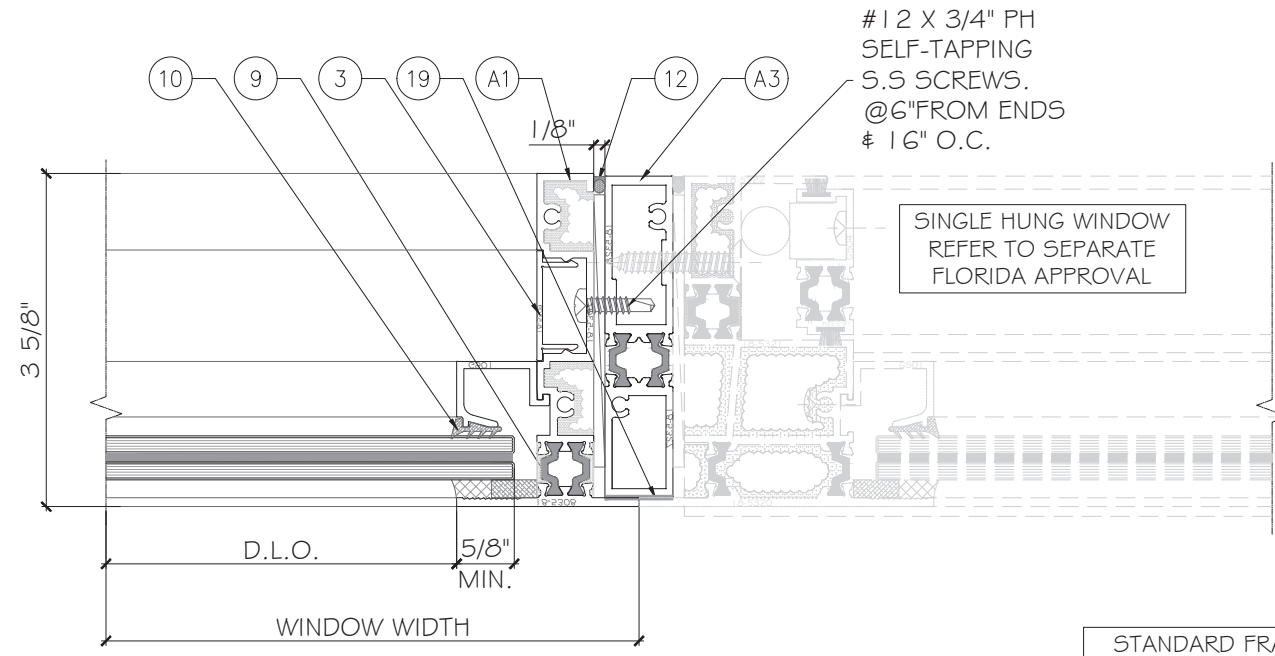
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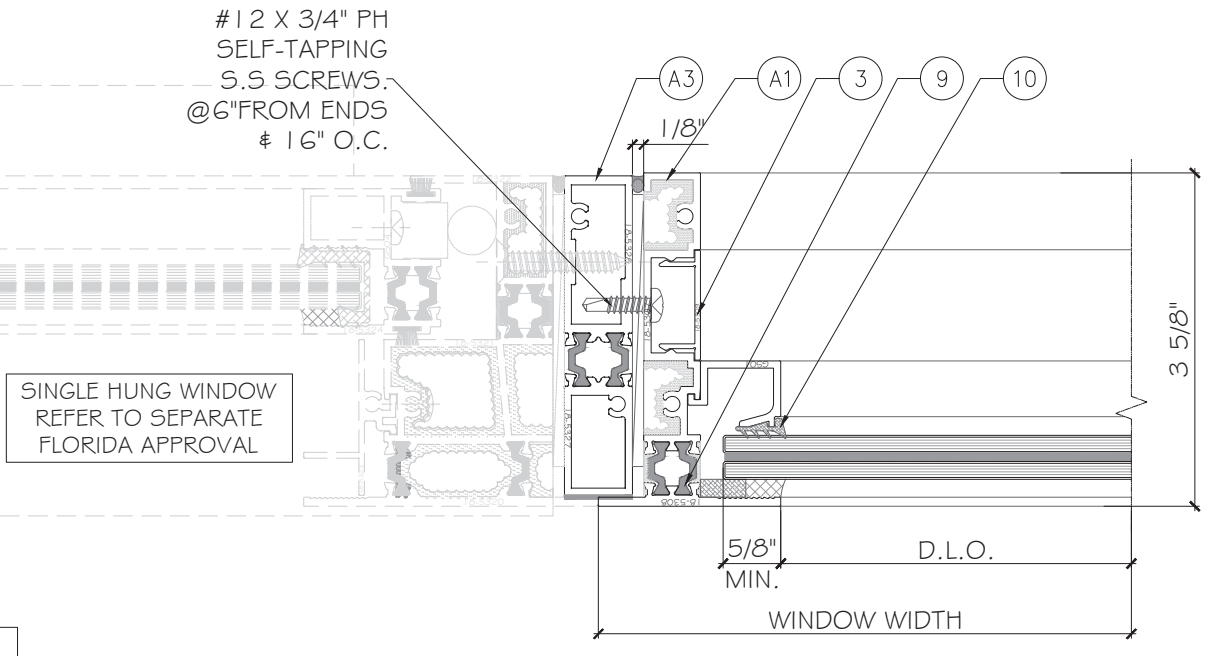
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4 OF 9





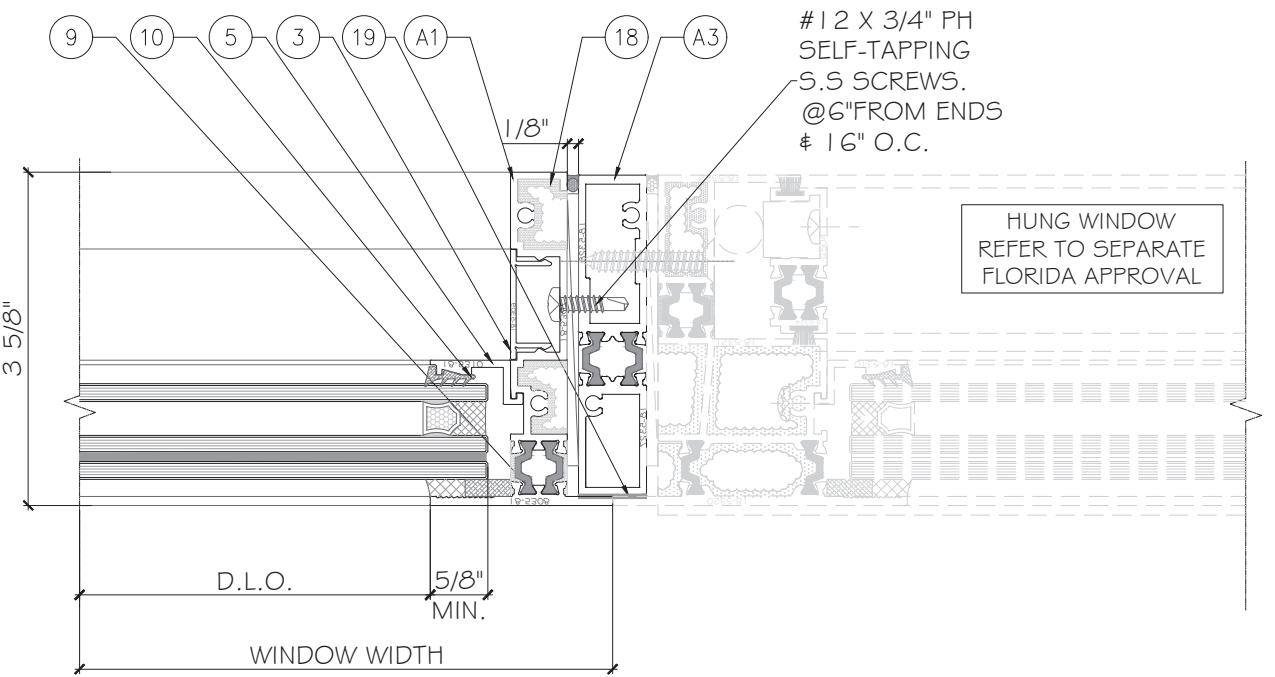
EXTERIOR

1  
D3  
DETAIL



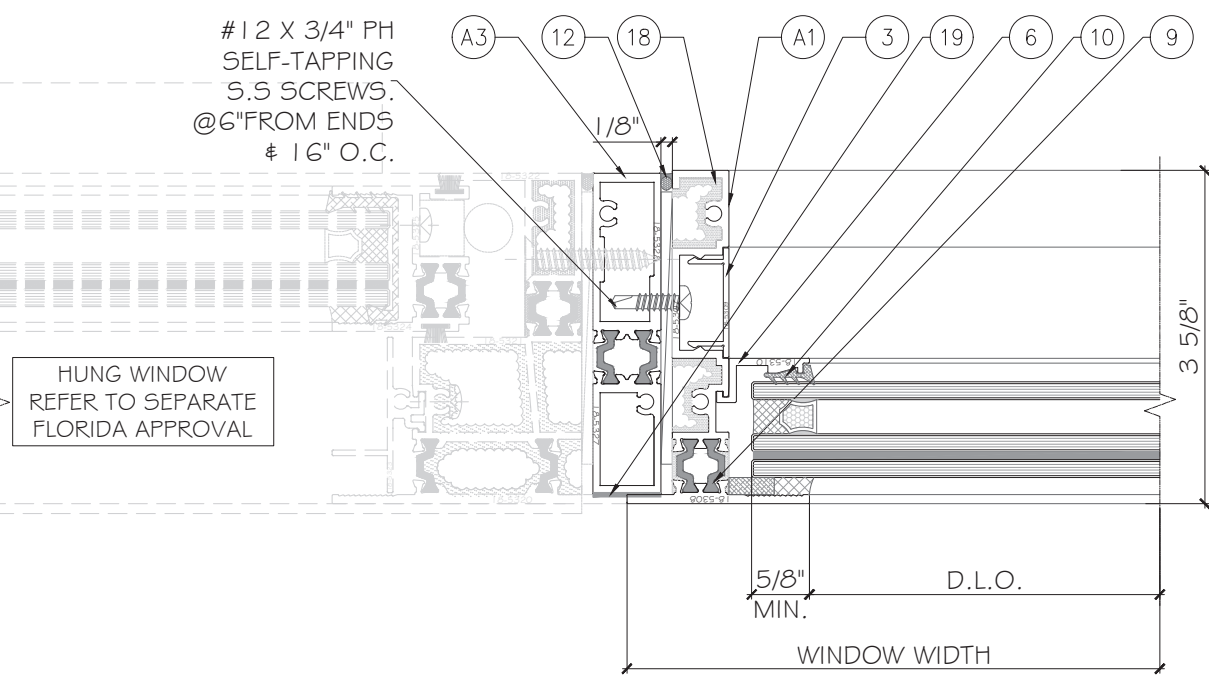
EXTERIOR

2  
D3  
DETAIL



EXTERIOR

1  
D3  
DETAIL  
GLASS  
OPTION



EXTERIOR

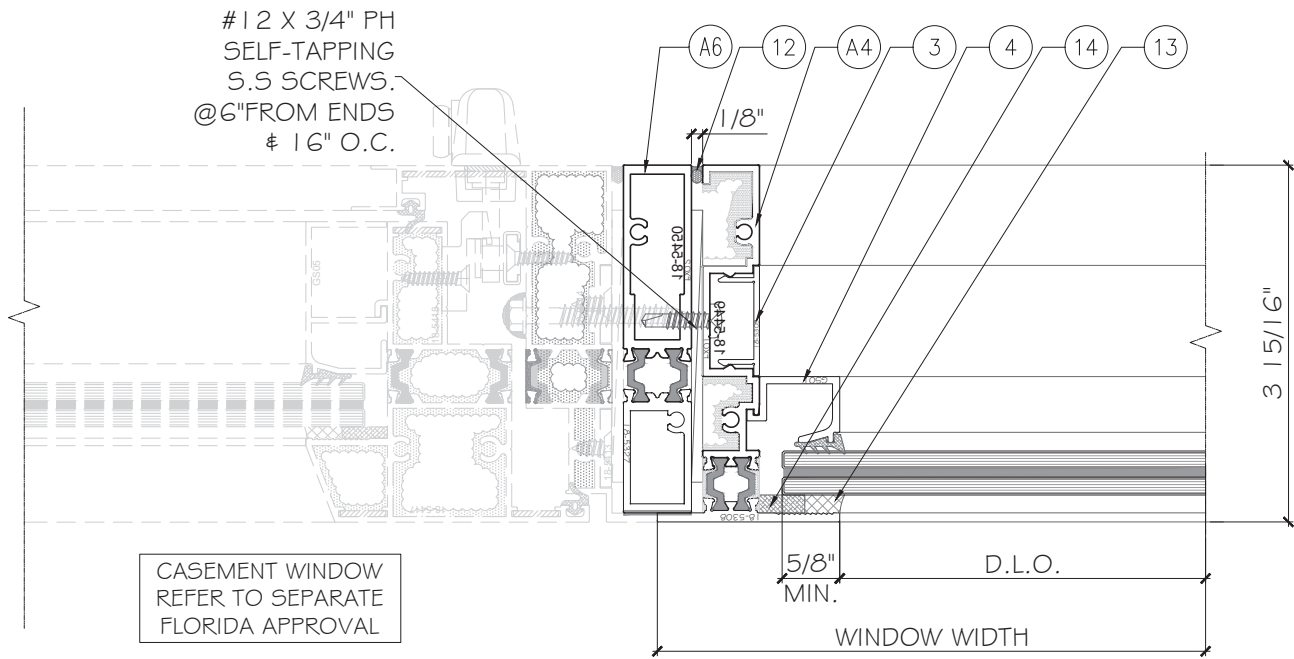
2  
D3  
DETAIL  
GLASS  
OPTION

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| Drawing No. AD23-16 |            |          |                 |
| Sheet No. 6 OF 9    |            |          |                 |

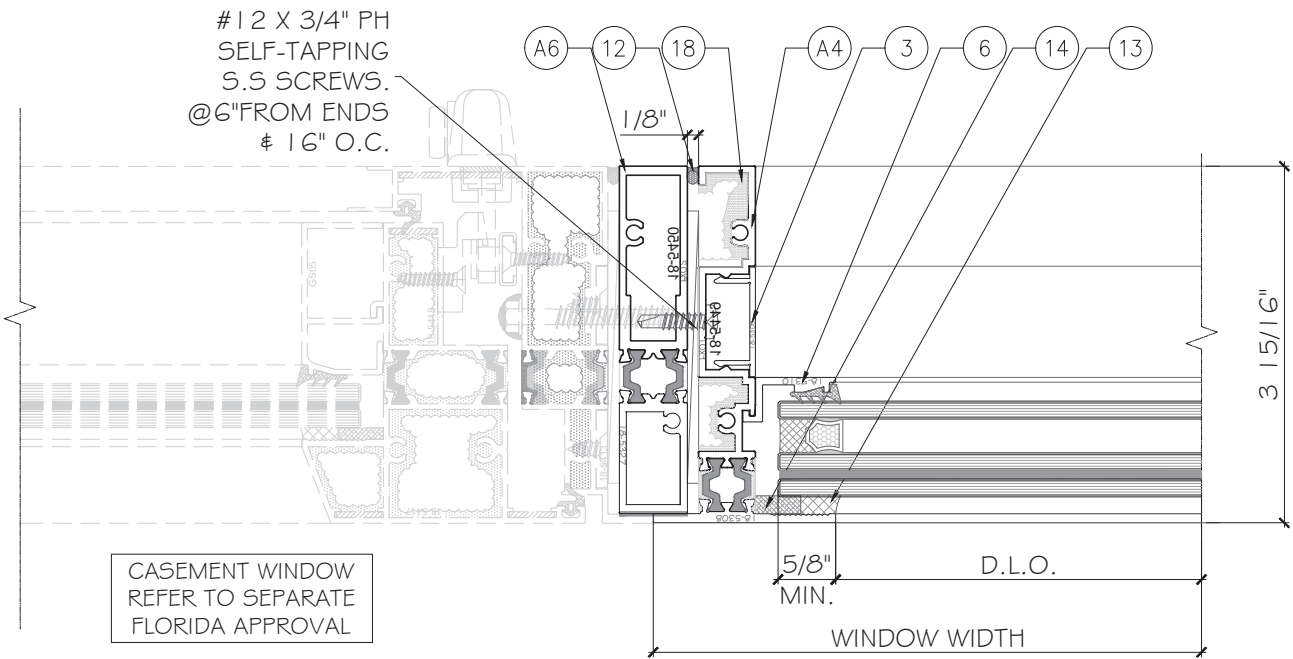


EXTERIOR

I  
D4

DETAIL

NOTE: MULLION CAPACITY REFER TO CASEMENT WINDOW APPROVAL.



EXTERIOR

I  
D4

DETAIL  
OPTION

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Sep 21st, 2026

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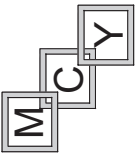
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# BILL OF MATERIALS

| 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                                | PAGG 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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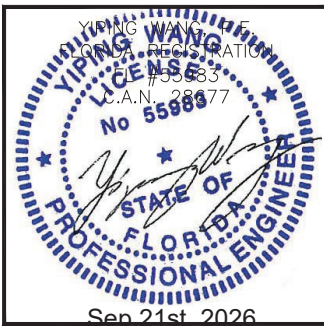
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