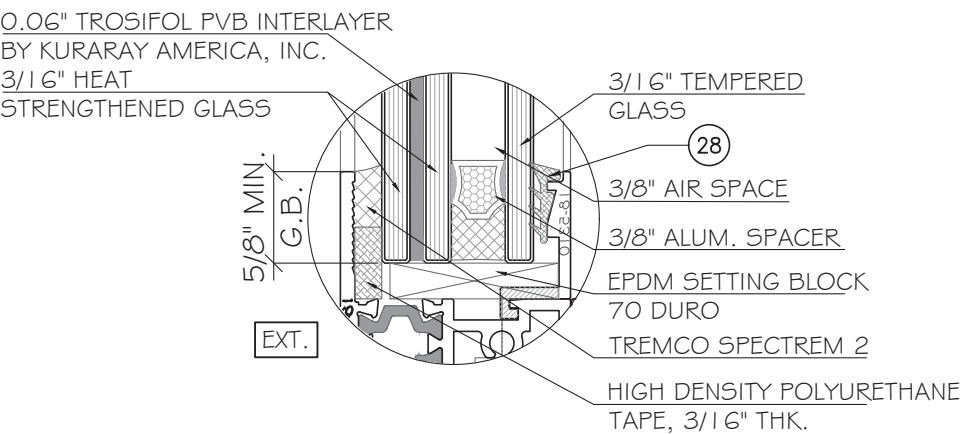
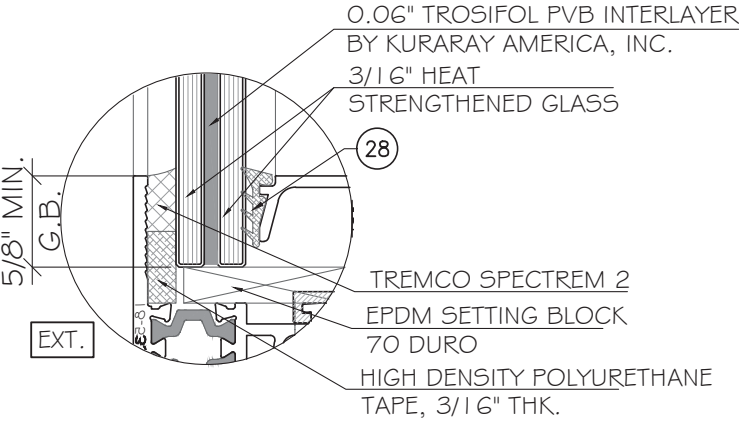


CUHADAROGLU METAL SAN.PAZ.A.S
SERIES TH-HS-33 ALUMINUM SLIDING WINDOW - (S.M.I)



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 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 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.

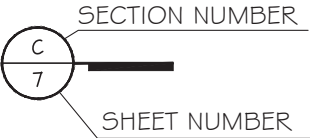
NOTE:
GLASS COMPLIES WITH ASTM E1300-09
(3 SEC. GUSTS).

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

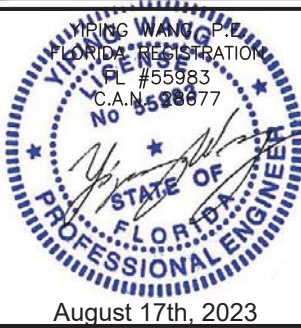
G.B. - GLASS BITE
D.L.O. - DAYLITE OPENING
F.H. - FRAME HEIGHT
F.W. - FRAME WIDTH
W/ - WITH
W/O - WITHOUT
O.C. - ON CENTER



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.

FL42312.2



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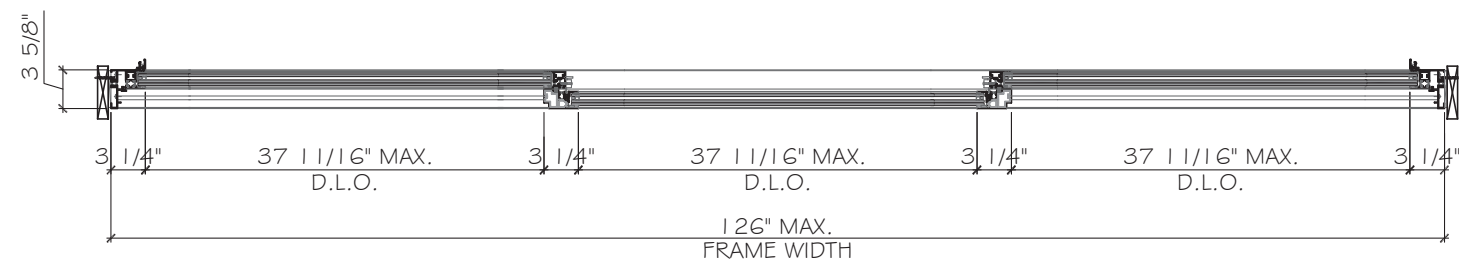
Rev. No.	Date	Drawn By	Description
RO	08.16.2023	James	NEW APPLICATION

Drawn Date 05/30/2023 Scale

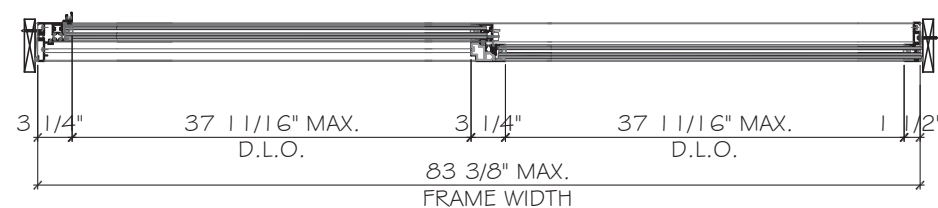
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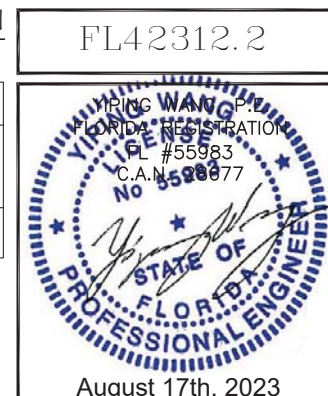
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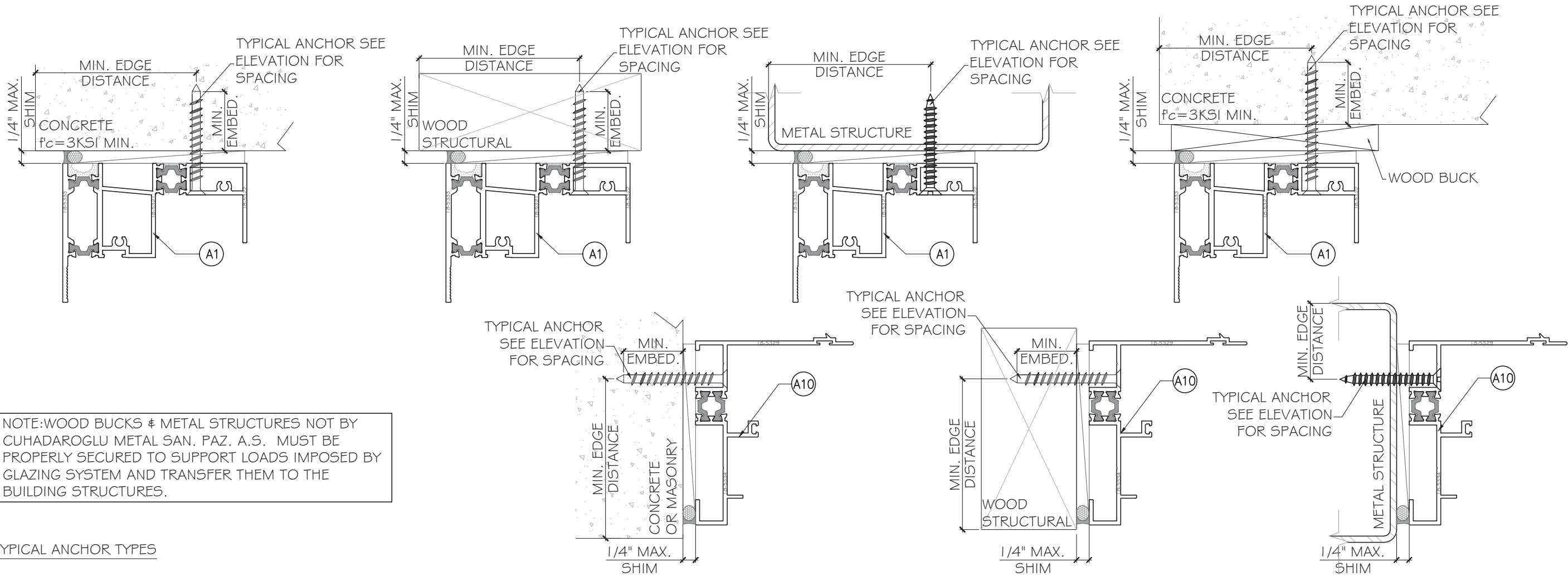


DESIGN LOAD (PSF)	
FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC	
+60	-80



DESIGN LOAD (PSF)	
FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC	
+60	-80





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)

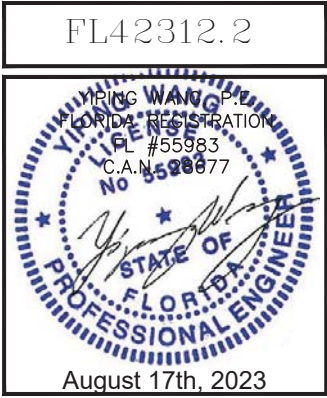
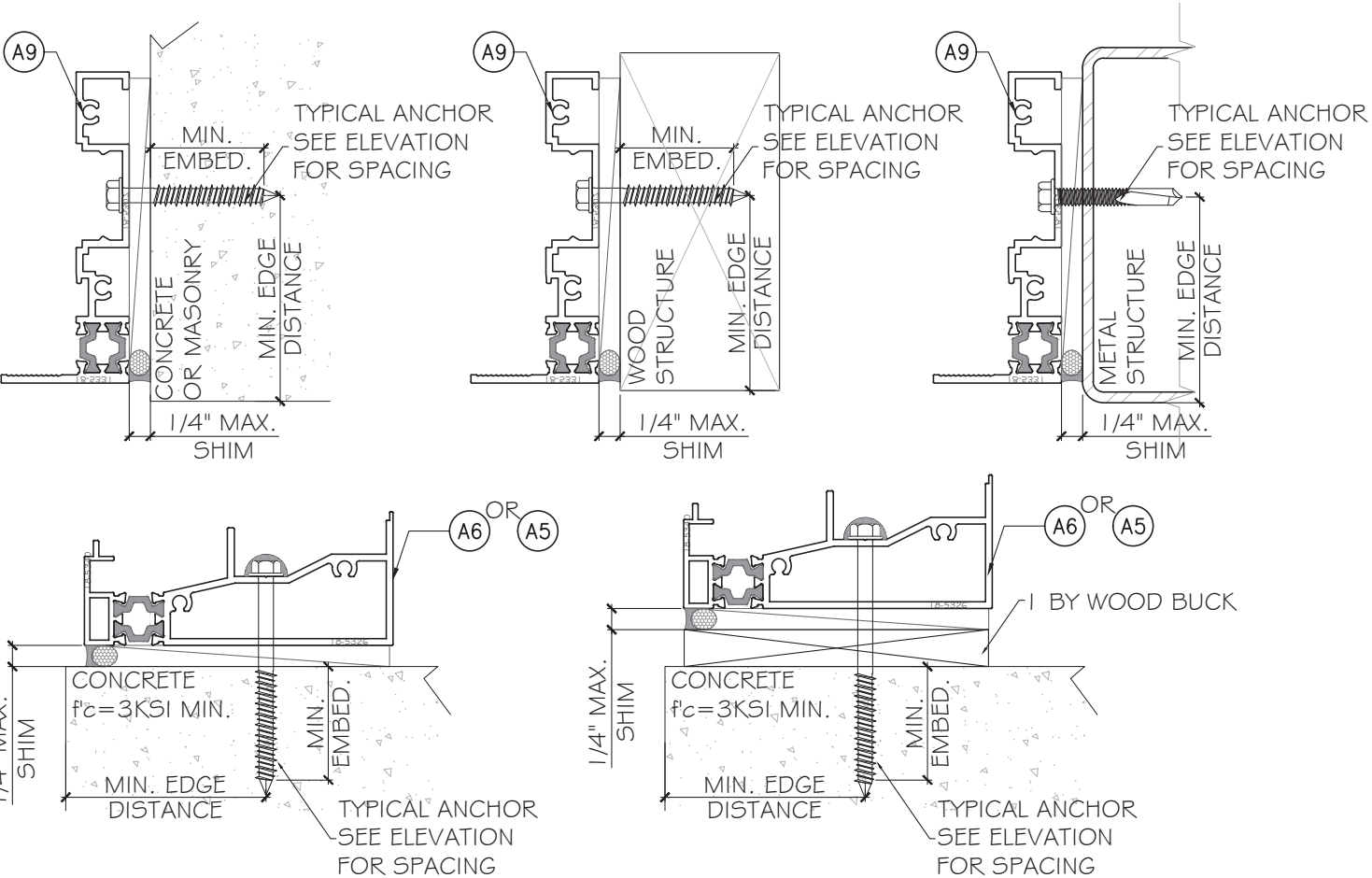
ANCHOR TYPE 'B' - 1/4" DIA. ULTRACON+ BY 'DEWALT'(Fu= 1 64KSI, Fy= 1 48KSI) DIRECTLY INTO CONCRETE W/1 3/4" MIN. EMBEDMENT

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.



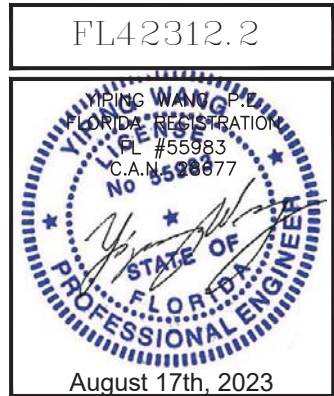
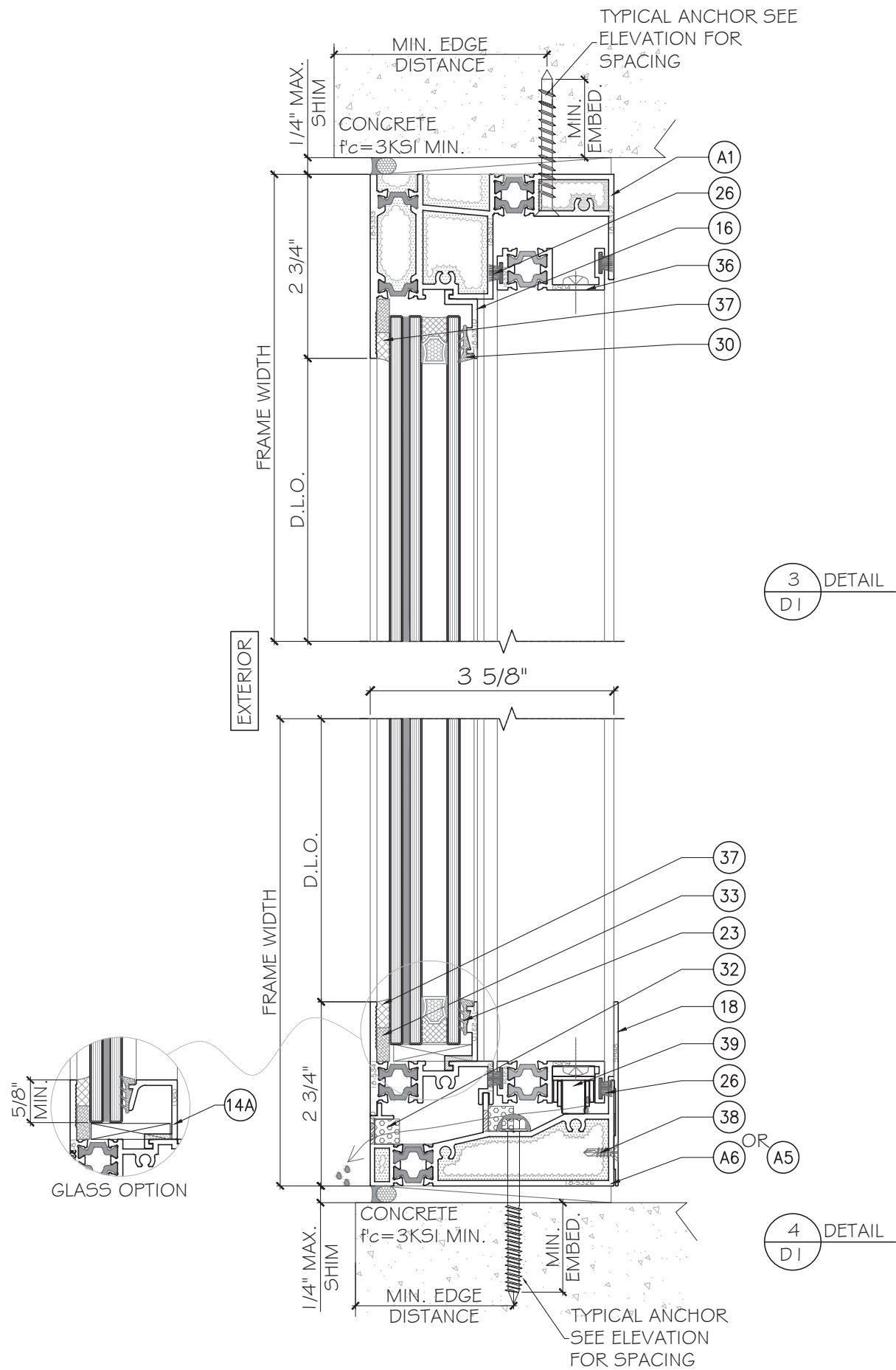
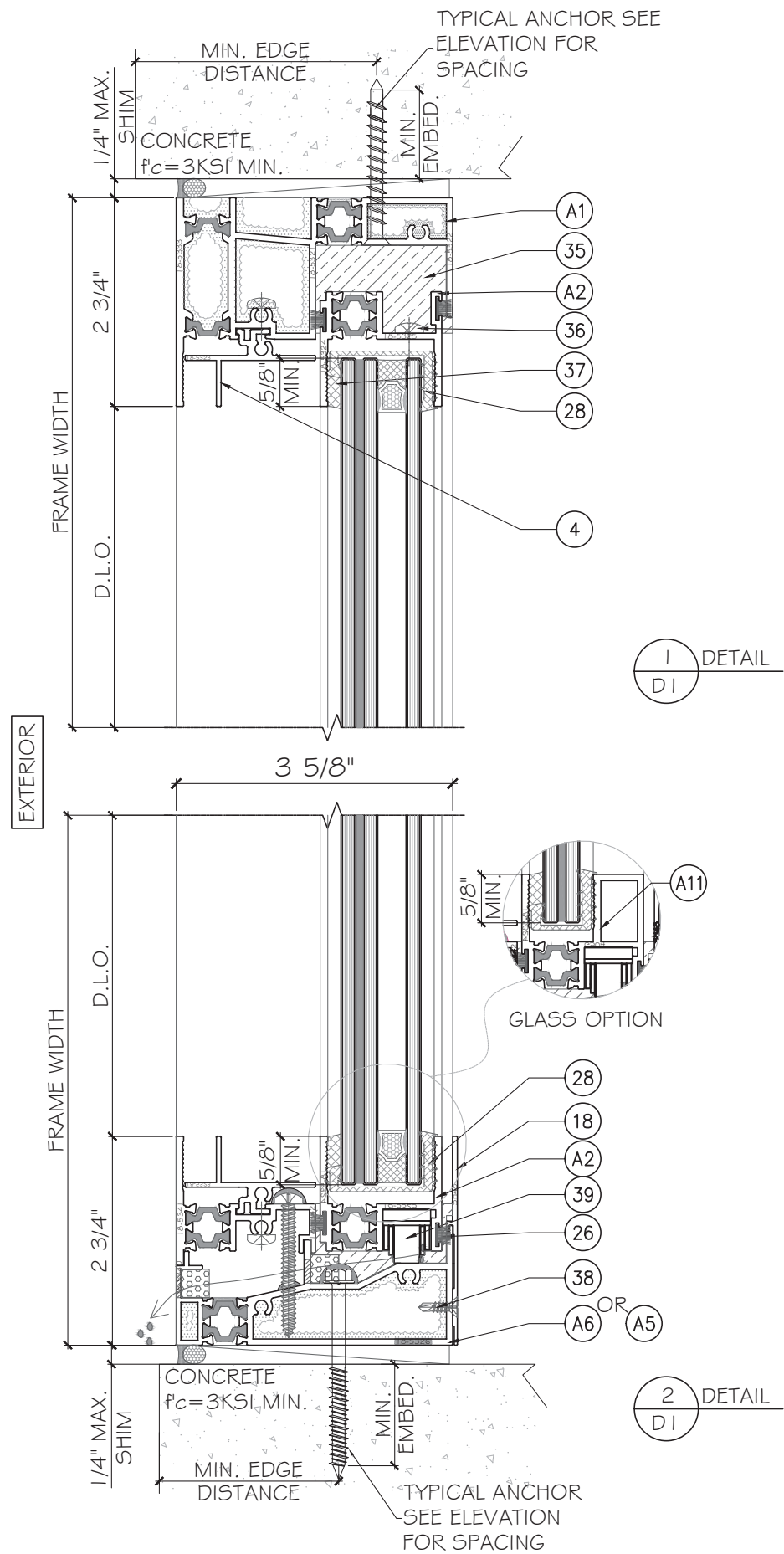
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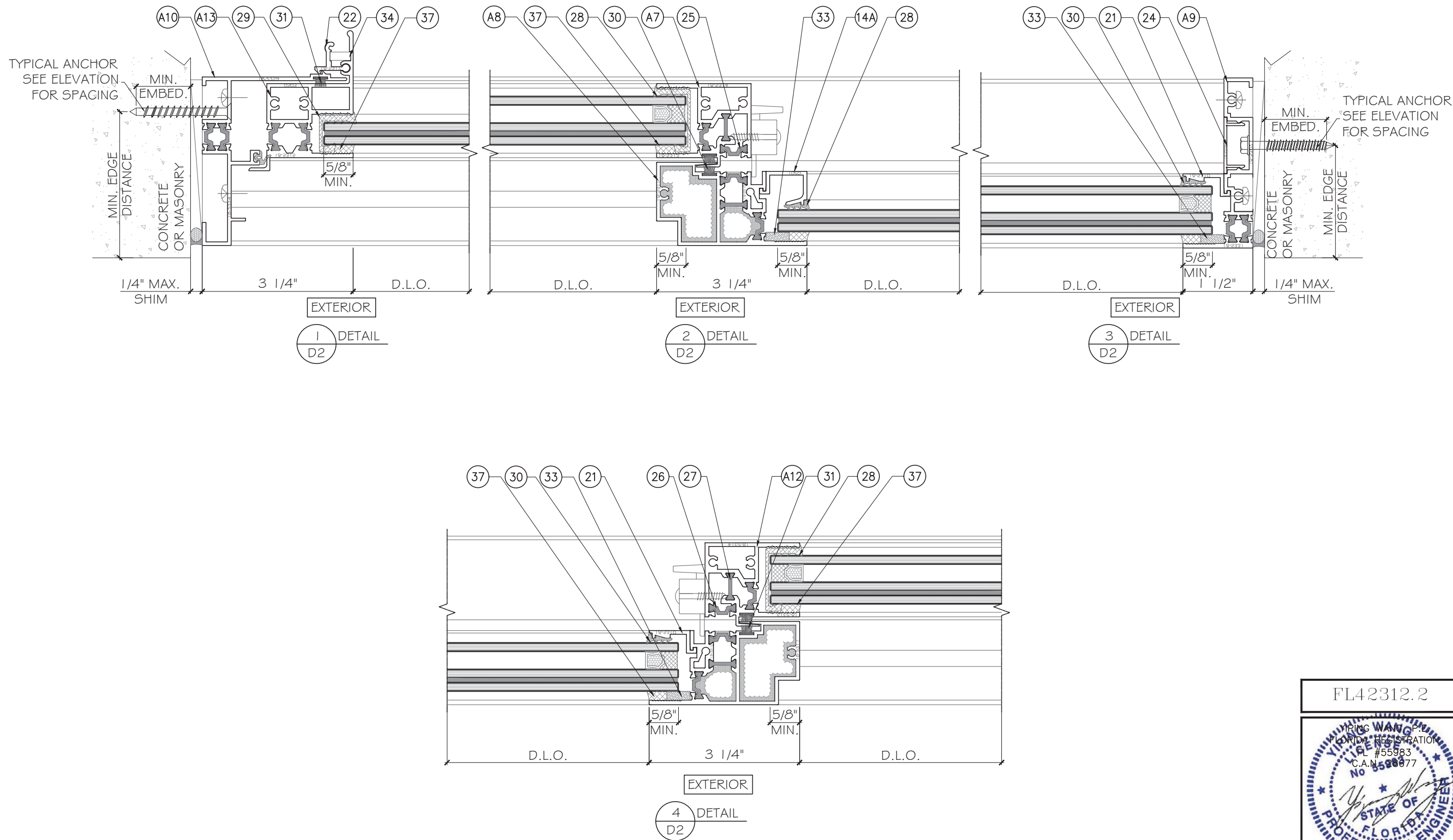
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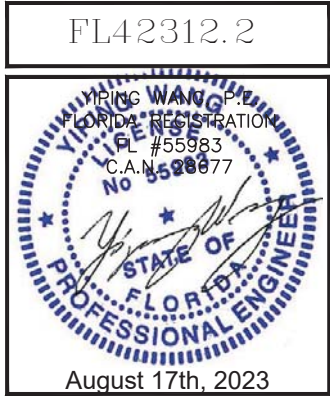
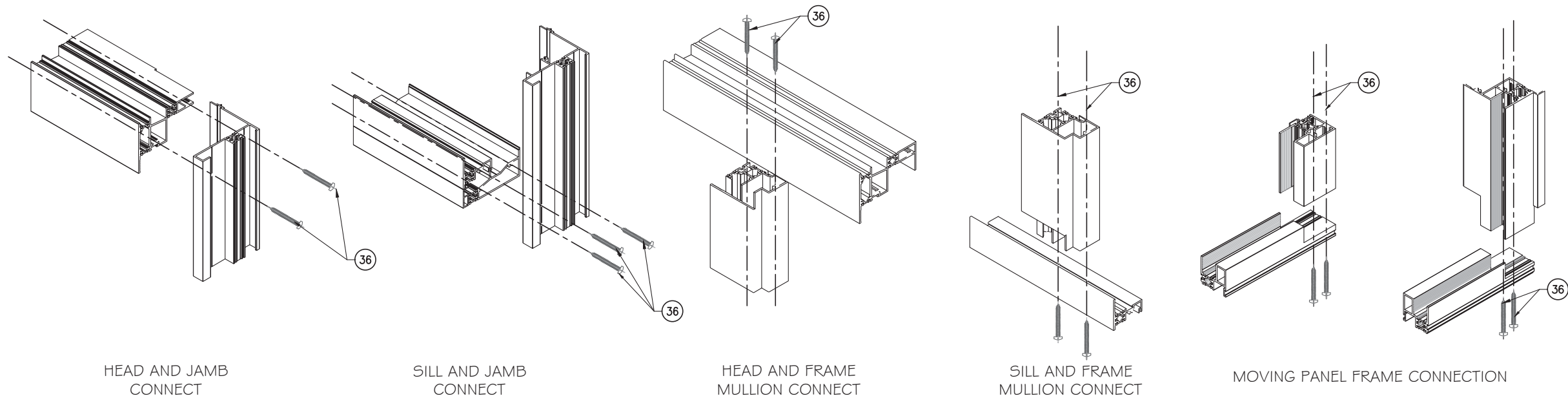
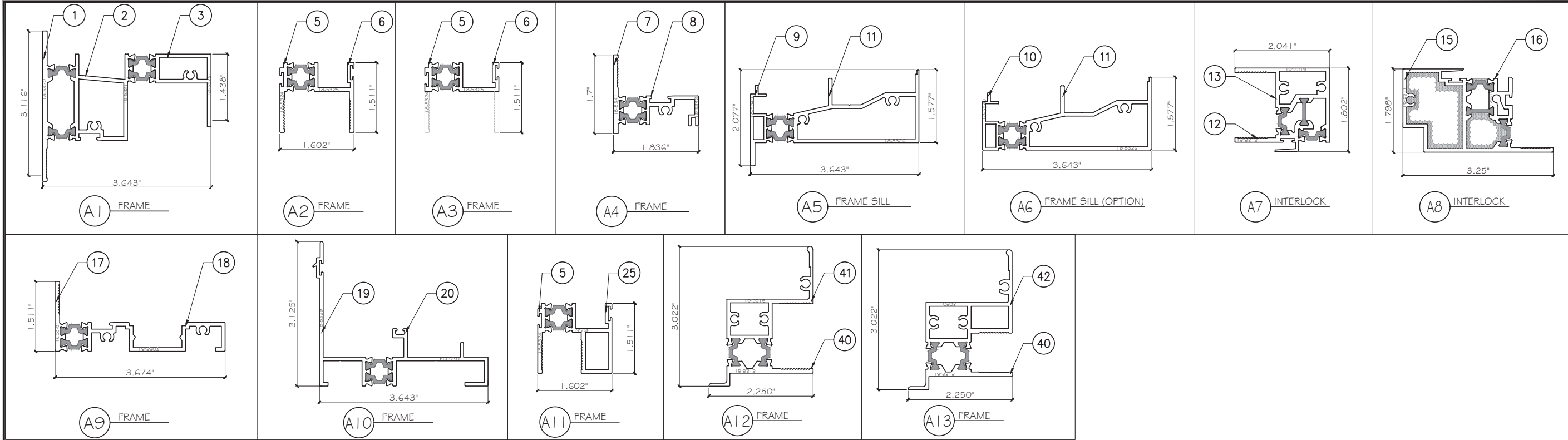
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PART

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BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	REMARKS
1	18-5320	FRAME	ALUM. 6063-T6	
2	18-5321	FRAME	ALUM. 6063-T6	
3	18-5322	FRAME	ALUM. 6063-T6	
4	18-5323	EXTERIOR COVER	ALUM. 6063-T5	
5	18-5324	FRAME	ALUM. 6063-T6	
6	18-5325	FRAME	ALUM. 6063-T6	
7	18-5341	FRAME	ALUM. 6063-T6	
8	18-5342	FRAME	ALUM. 6063-T6	
9	18-5343	SILL	ALUM. 6063-T6	
10	18-5340	SILL	ALUM. 6063-T6	
11	18-5326	SILL	ALUM. 6063-T6	
12	18-5313	HORIZONTAL	ALUM. 6063-T6	
13	18-5314	HORIZONTAL	ALUM. 6063-T6	
14A	GS01	GLASS STOP	ALUM. 6063-T6	
14	GS02	HORIZONTAL	ALUM. 6063-T6	
15	18-5311	HORIZONTAL	ALUM. 6063-T6	
16	18-5312	HORIZONTAL	ALUM. 6063-T6	
17	18-5311	HEAD COVER	ALUM. 6063-T6	
18	18-5307	HEAD	ALUM. 6063-T6	
19	18-5329	JAMB	ALUM. 6063-T6	
20	18-5334	JAMB	ALUM. 6063-T6	
21	18-5310	GLASS STOP	ALUM. 6063-T6	
22	18-5317	LOADED LATCH	ALUM. 6063-T6	
23	18-5339	INTERIOR COVER	ALUM. 6063-T6	
24	18-5309	INTERIOR COVER	ALUM. 6063-T5	
25	GS04	GLASS STOP	ALUM. 6063-T5	
26	SH25	THERMAL BROKEN BAR	TECHNOFORM BAUTEC / 937600	
27	SH26	THERMAL BROKEN BAR	TECHNOFORM BAUTEC / 945500	
28	SH27	GLAZING GASKET FOR INSULATED GLASS	SILICONE (65 DURO.)	
29	SH27	GLAZING GASKET FOR LAMINATED GLASS	SILICONE (65 DURO.)	
30	SH28	GLAZING GASKET/SPACER	EPDM (70 DURO.)	
31	SH30	PILE	-	ULTRAFAB
32		HALF FOAM		
33		GLAZING TAPE 0.437" X 0.188"		
34		MECHANICAL SPRING		

YIPING WANG, P.E.
FLORIDA REGISTRATION
#55983
C.A.# 00077

August 17th, 2023

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