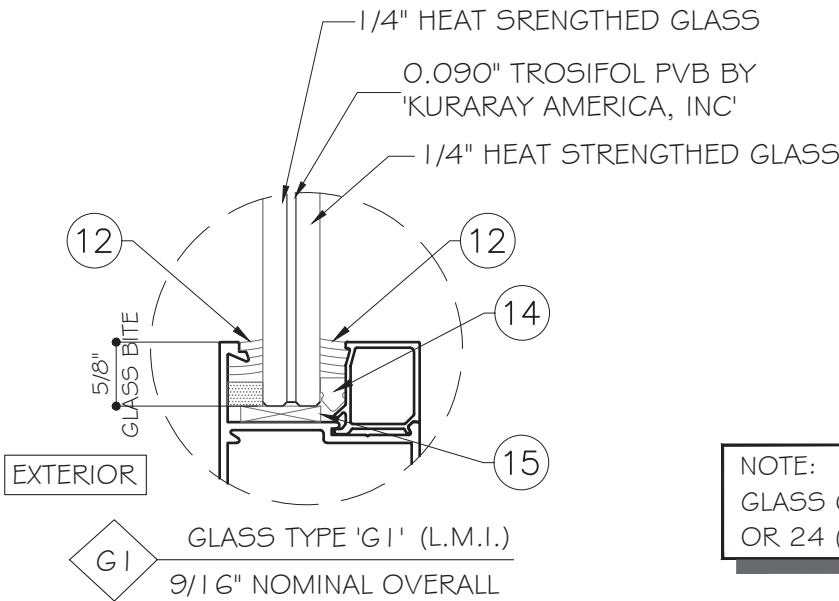


SHANGHAI SUPERHOUSE BUILDING MATERIAL CO., LTD.
SPA 100 ALUMINUM AWNING WINDOW SYSTEM - L.M.I.



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

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION FLORIDA BUILDING CODE (2023)/ 9TH EDITION FLORIDA BUILDING CODE (2026) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOWS RATED FOR LARGE AND SMALL MISSILE IMPACT. LMI SYSTEM TO BE USED FOR INSTALLATIONS UP TO 30 FT OF GRADE. FOR ABOVE 30 FT OF GRADE, SMI TO BE USED. IMPACT SHUTTERS ARE NOT REQUIRED.
- THESE AWNING WINDOW 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 FLORIDA BUILDING CODE (2023)/ 9TH EDITION FLORIDA BUILDING CODE (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 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).

USE CHARTS AS FOLLOWS.

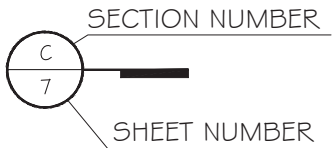
STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD OR WIND TUNNEL REPORTS.

STEP 2: SEE SHEET E1 FOR TYPICAL AWNING WINDOW ELEVATION.

STEP 3: SEE SHEET D01 FOR ANCHOR OPTIONS. SEE SHEET E1 FOR NUMBER OF ANCHORS REQUIRED.

ABBREVIATIONS AND SYMBOLS

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

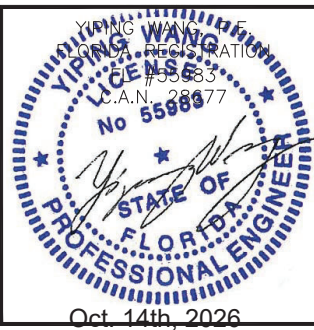


LIMITATIONS OF USE

- 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 ENGINEER OF RECORD. ACTING AS A DELEGATED ENGINEER TO THE P.E.D ENGINEER SHALL SUBMIT TO THIS LATTER THE SITE SPECIFIC DRAWINGS FOR REVIEW.
- E- THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

FLORIDA APPROVAL:

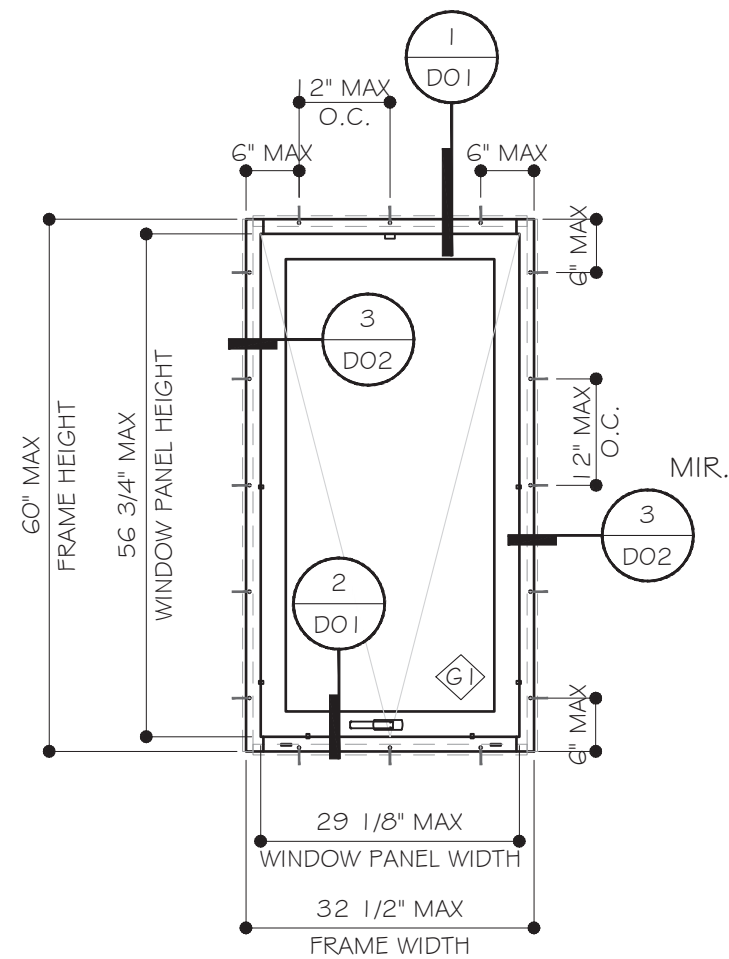
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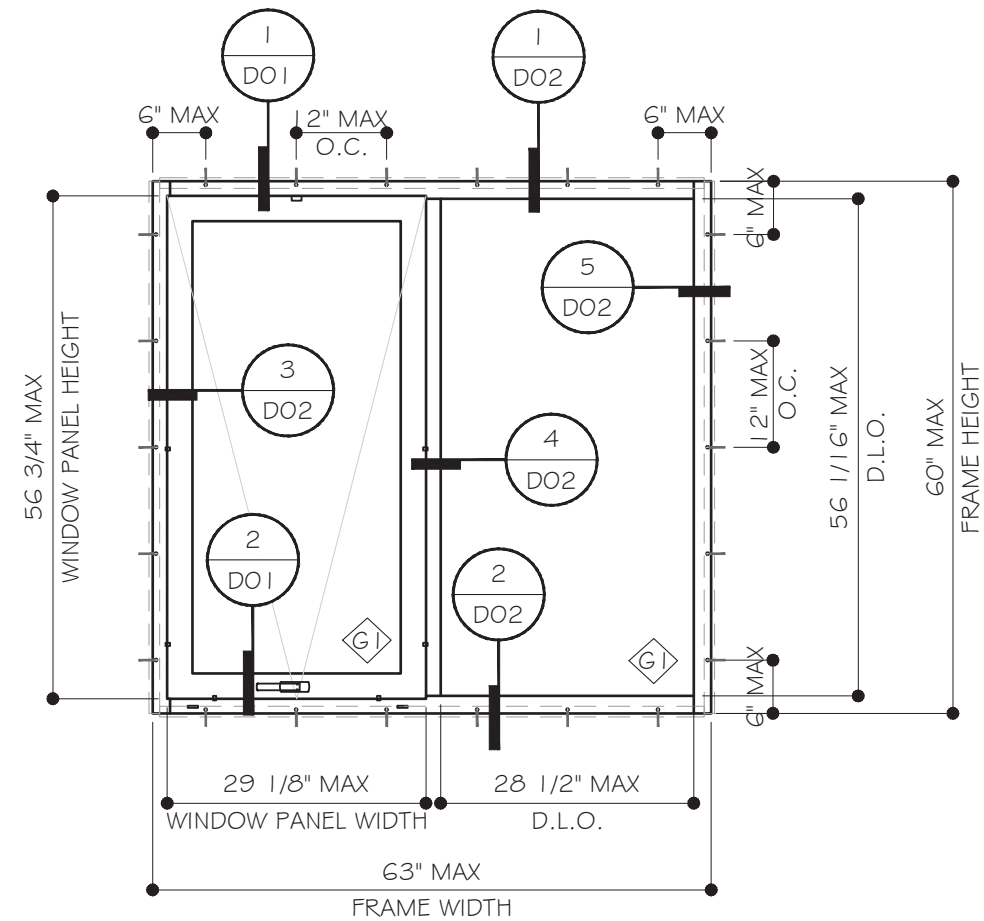
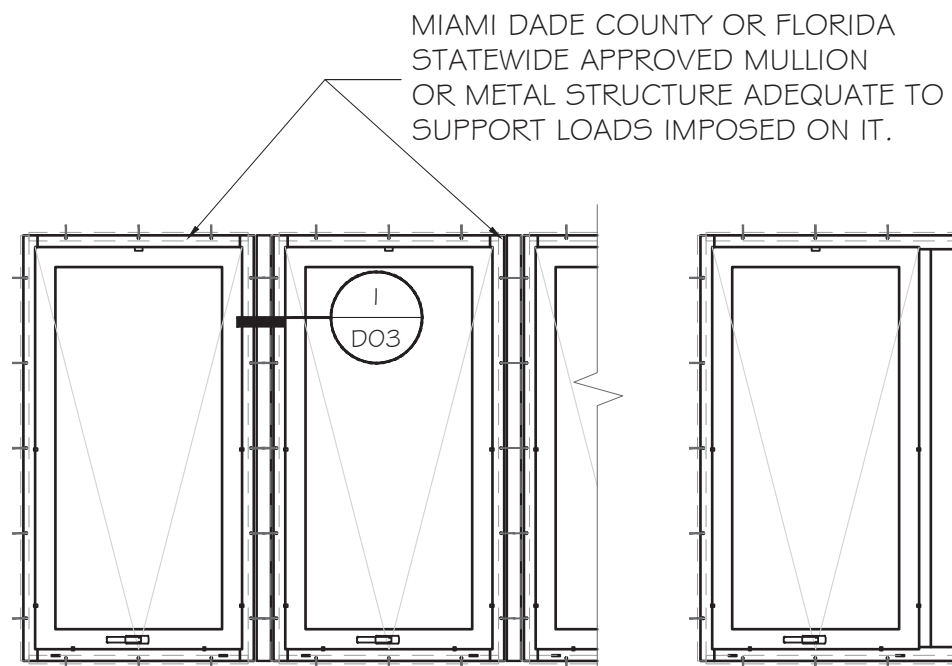
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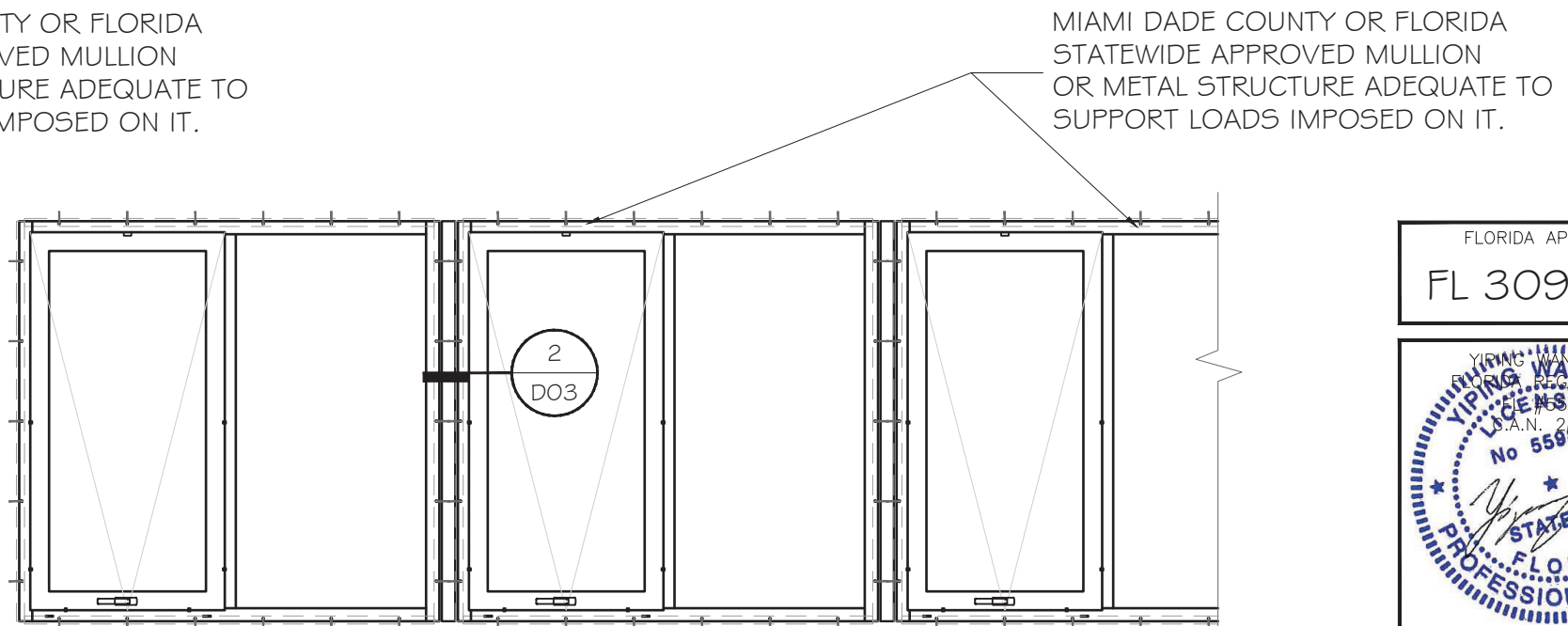
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Drawing No. AD19-30			
COVER			
Sheet No. 1 OF 9			



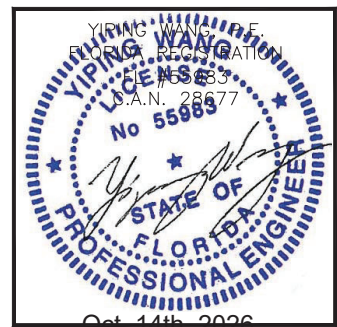
DESIGN LOADS
FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC
+55 PSF -55 PSF



DESIGN LOADS
FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC
+55 PSF -55 PSF



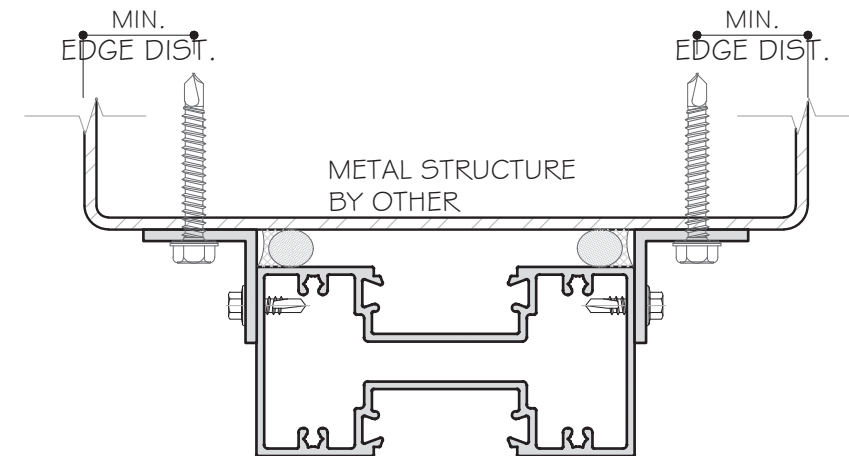
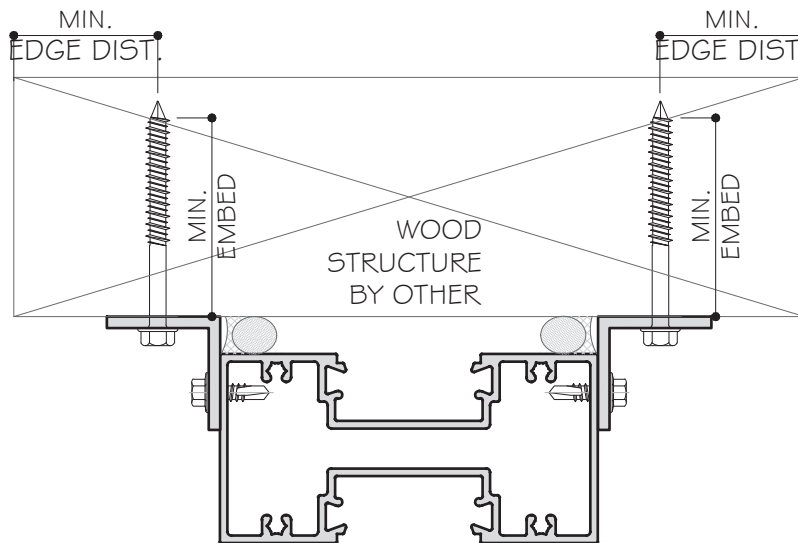
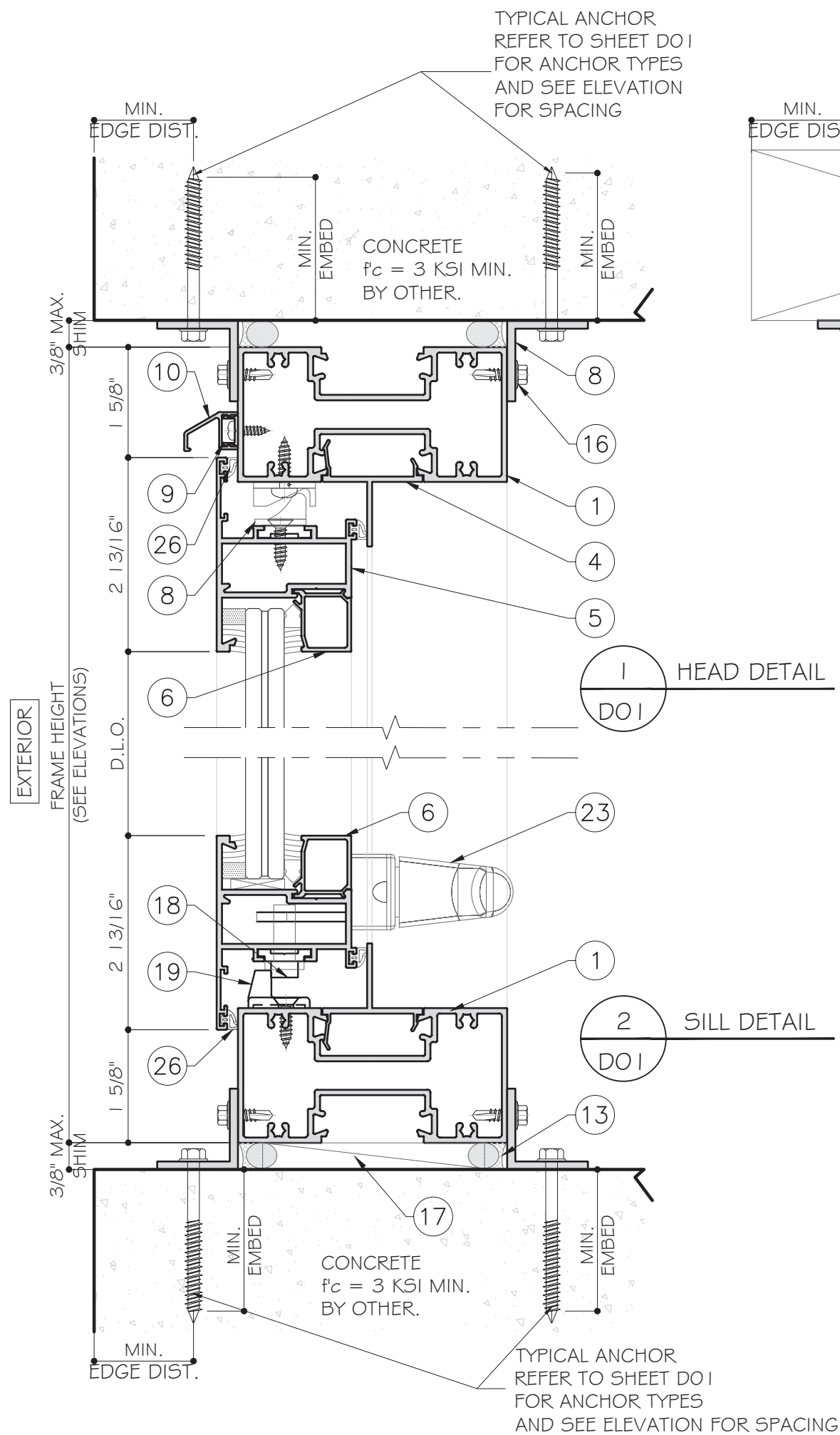
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DRAWING NO. AD19-30	
E1	
Sheet No. 2 OF 9	



WOOD BUCKS AND METAL STRUCTURE NOT BY SUPERHOUSE.
MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND
TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE A: 1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u = 164\text{KSI}$, $F_y = 148\text{KSI}$)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
1-1/2" MIN. PENETRATION INTO WOOD
OR THRU WOOD BUCK INTO CONCRETE OR BLOCK WITH 1 3/4" MIN. EMBED

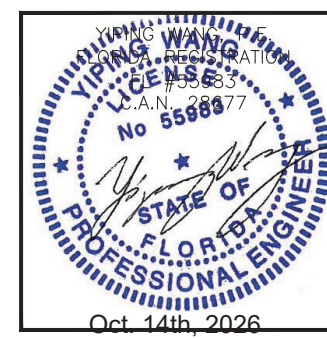
OR DIRECTLY INTO CONCRETE
OR INTO BLOCK (GROUT FILLED BLOCK OR HOLLOW BLOCK)
WITH 1-3/4" MIN. EMBED

TYPE B: #14 SMS ($F_u = 74\text{KSI}$, $F_y = 57\text{KSI}$)
OR TEKS OR SELF DRILLING SCREWS (GRADE 5 CRS) ($F_u = 120\text{KSI}$, $F_y = 92\text{KSI}$)
INTO MIAMI-DADE COUNTY APPROVED MULLION OR INTO METAL STRUCTURES
(3) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS.
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN).
STEEL: 1/8" THK. MIN. ($F_y = 36\text{ KSI MIN.}$)

MIN. EDGE DIST:
INTO CONCRETE OR BLOCKS: 2-1/2" MIN.
INTO WOOD STRUCTURE: 1" MIN.
INTO METAL STRUCTURE: 3/4" MIN

SUBSTRATE:
WOOD AT HEAD, SILL OR JAMBS: $SG = 0.55\text{ MIN.}$
CONCRETE AT HEAD/SILL OR JAMBS: $f'_c = 3000\text{ PSI MIN.}$
C-90 HOLLOW/FILLED BLOCK AT JAMBS: $f'_m = 2000\text{ PSI MIN.}$

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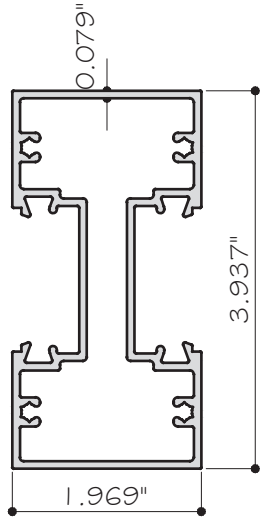
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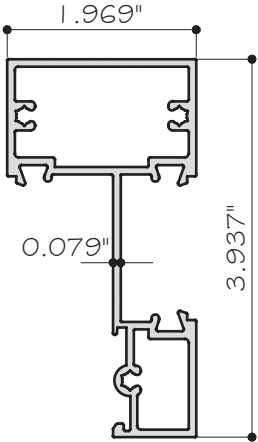
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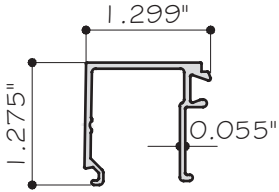
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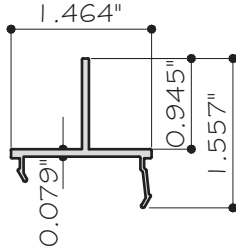
1 WINDOW FRAME
SPA10159 6063-T5



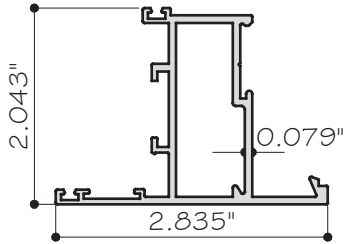
2 WINDOW FRAME
SPA10154 6063-T5



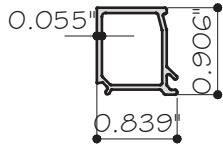
3 GLASS BEAD
SPA10155 6063-T5



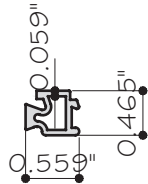
4 ADAPTOR
SPA10156 6063-T5



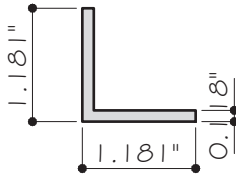
5 SASH
SPA10009A 6063-T5



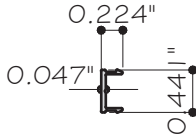
6 BEAD
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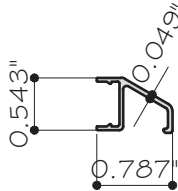
7 SINGLE GLASS ADAPTOR
SPA10016 6063-T5



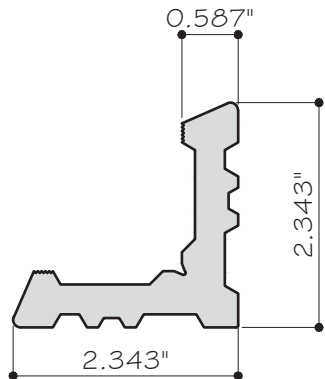
8 ALUMINUM ANGLE
0325 6063-T5



9 SKEW FILLER
JNSP10005 6063-T5



10 SKEW FILLER
JNSP10006 6063-T5



11 CLAMPING CORNER
JN6402 6063-T5

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YIPING WANG
PROFESSIONAL ENGINEER
STATE OF FLORIDA
LICENSE NO. 55988
EXPIRATION DATE 12/31/2026

Oct. 14th, 2026

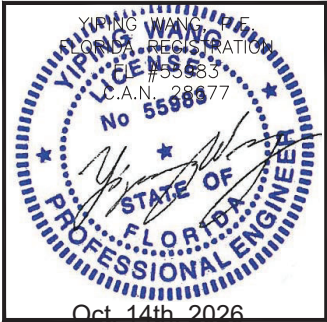
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PARTS			
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BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	MANUF. / REMARKS
1	SPA10059	WINDOW FRAME	ALUM. 6063-T5	-
2	SPA10154	WINDOW FRAME	ALUM. 6063-T5	-
3	SPA10155	GLASS BEAD	ALUM. 6063-T5	-
4	SPA10156	ADAPTOR	ALUM. 6063-T5	-
5	SPA10009A	SASH	ALUM. 6063-T5	-
6	SPA10160	BEAD	ALUM. 6063-T5	-
7	SPA10016	SINGLE GLASS ADAPTOR	ALUM. 6063-T5	-
8	O325	ALUMINUM ANGLE	ALUM. 6063-T5	-
9	JNSP1005	SKEW FILLER	ALUM. 6063-T5	-
10	JNSP1006	SKEW FILLER	ALUM. 6063-T5	-
11	JN6042	CLAMPING CORNER	ALUM. 6063-T5	-
12	-	DC 791 NEUTRAL CURE SEALANT	SILICONE	DOW CORNING
13	-	DC 791 NEUTRAL CURE SEALANT & BACKER ROD	SILICONE	DOW CORNING
14	SBW-26960	EPDM GASKET	EPDM, 70±5 SHORE A	-
15	-	SETTING BLOCK 1/8" X 5/8"	EPDM, 80 SHORE A	-
16	-	3/16" X 5/8" HEX TEK SCREW	-	-
17	-	HARD PLASTIC SHIM	-	-
18	MFKL0070	T TYPE CONNECTOR	-	-
19	NRST0130-100200	KEEPER	-	-
20	254509	LOCK DEVICE POINT	-	-
21	*BQD25450	MIDDLE LOCK DEVICE POINT	-	-
22	220603	CORNER TRANSMISSION	-	-
23	CHGD0010	HANDLE	-	-
24	CSHD8630	FRICTION HINGE	STAINLESS STEEL	-
25	SAP771867	HIDDEN LOCK	-	-
26	SBW-26955	EPDM GASKET	EPDM, 70±5 SHORE A	-

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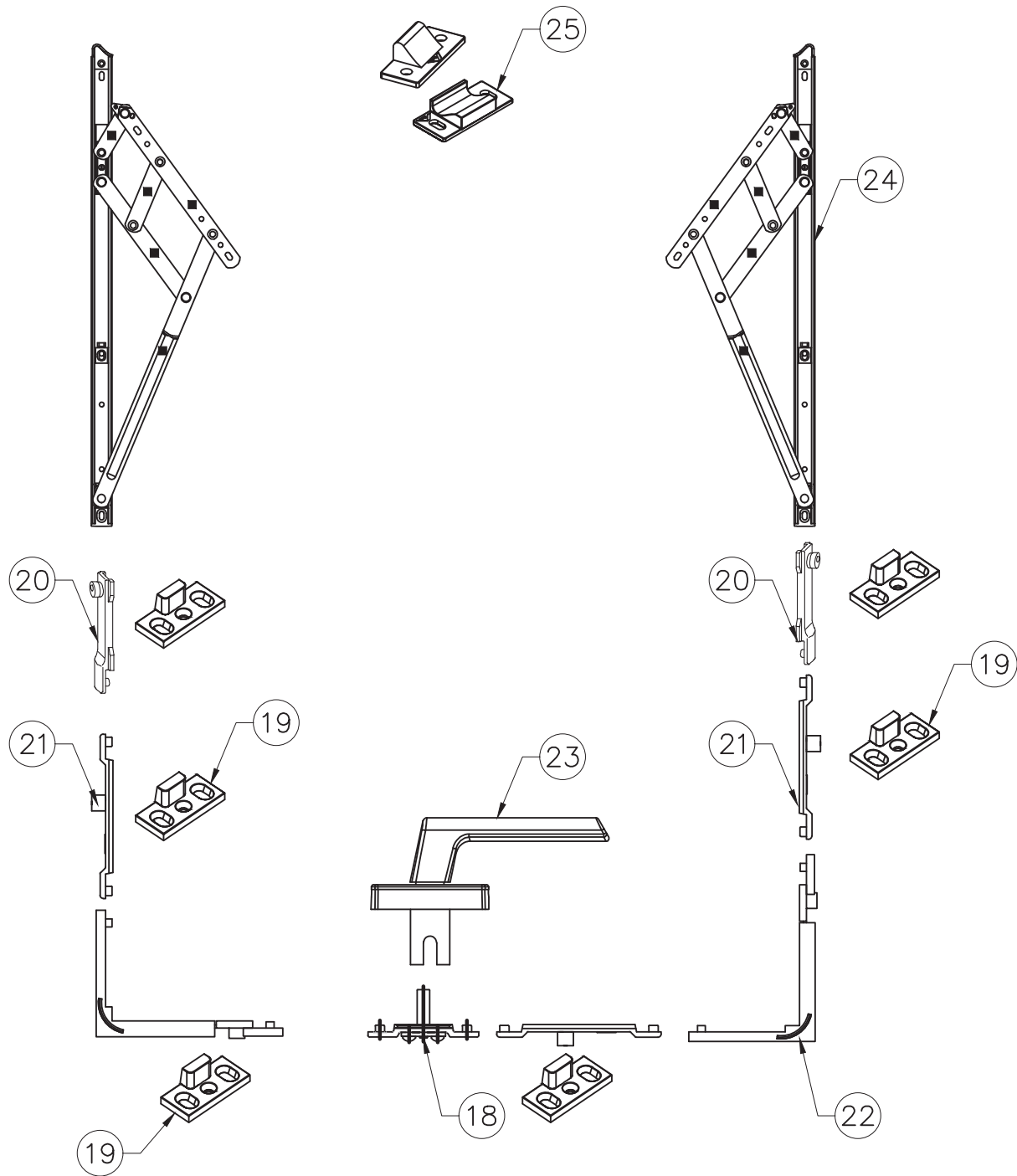
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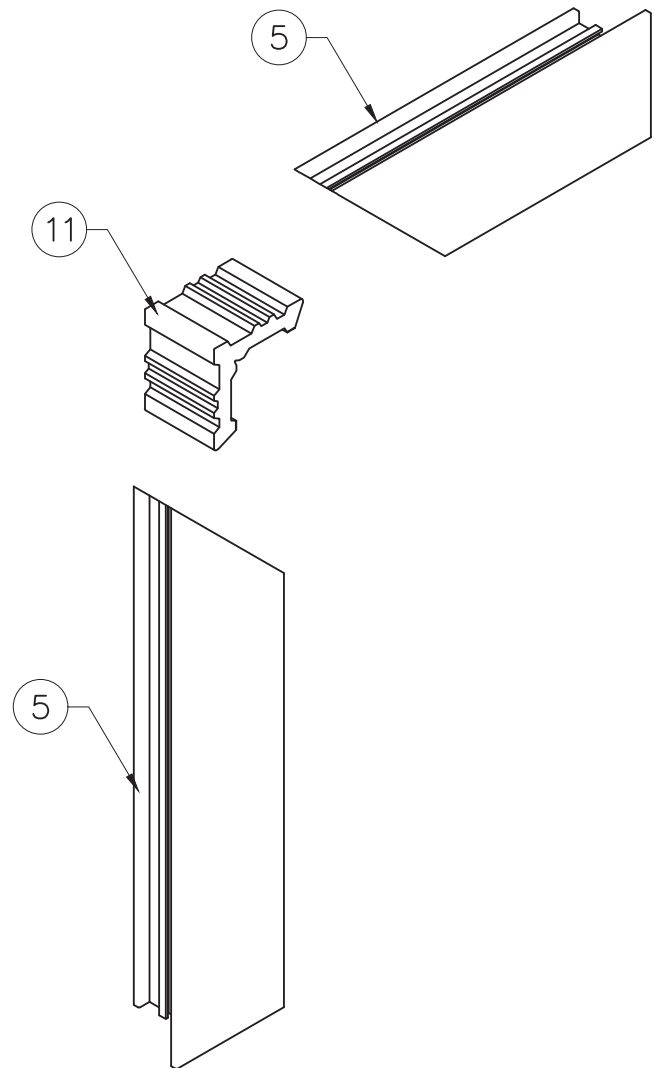
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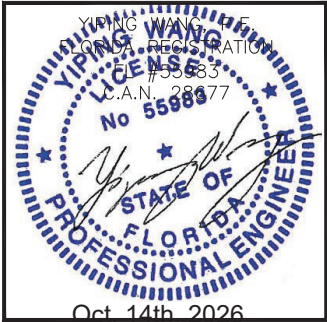


HARDWARE 3D VIEW

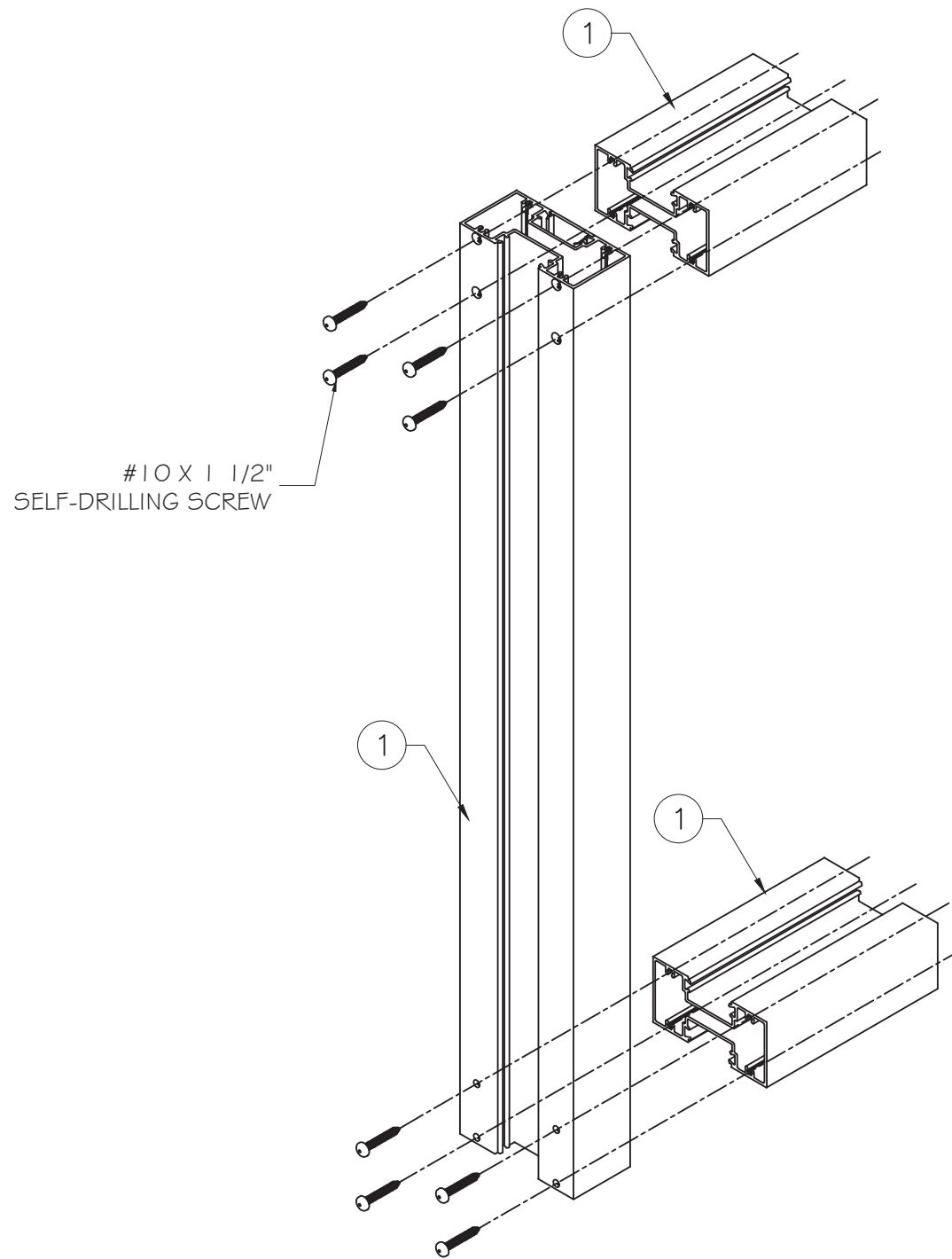


FRAME CORNER ASSEMBLY

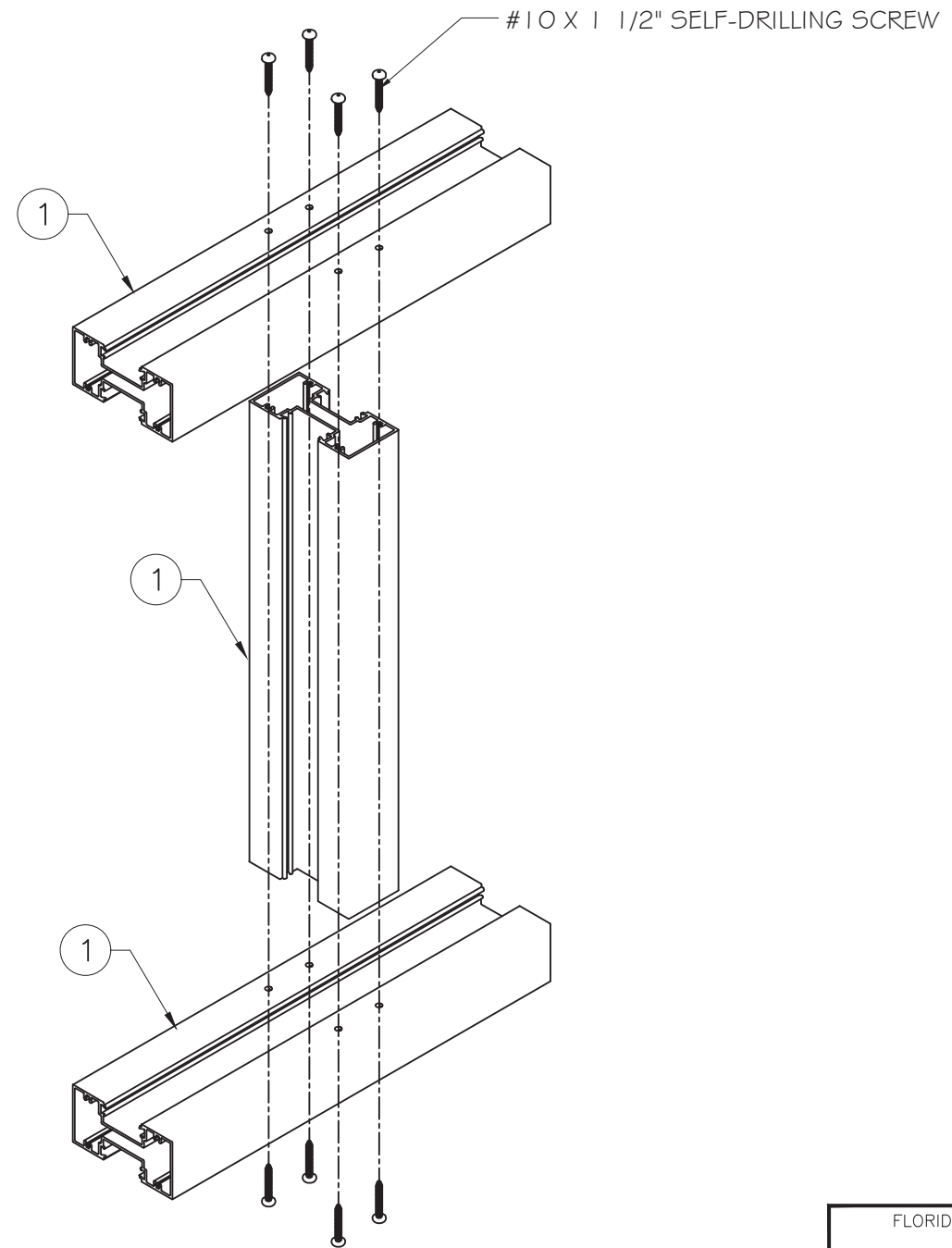
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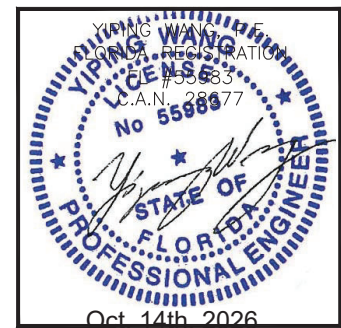


FRAME CORNER ASSEMBLY
TOP AND BOTTOM



FRAME ASSEMBLY
TOP AND BOTTOM

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