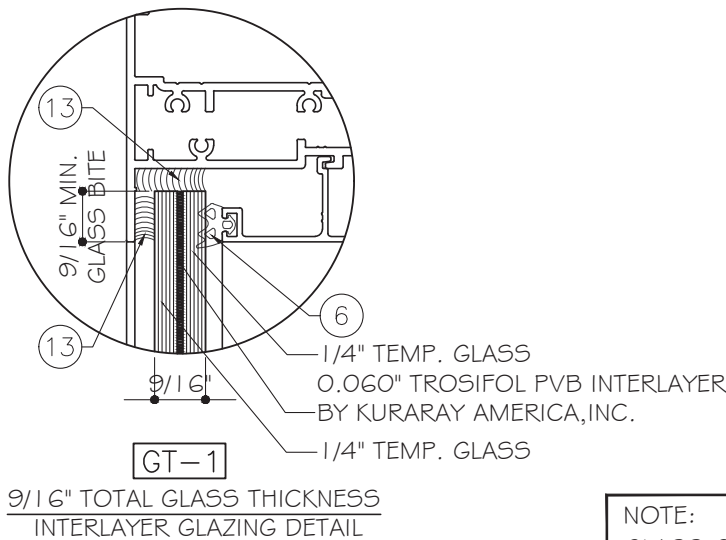


GLOBAL PERFORMANCE WINDOW INC.
DBA. EPSYLON USA
ALUMINUM PROJECTED-OUT WINDOW SERIES EUSA 500PO
SMALL MISSILE IMPACT (SMI)



NOTE:
GLASS COMPLIES WITH ASTM E 1300-09
(3 SEC. GUSTS).

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION FLORIDA BUILDING CODE (2020)/8TH EDITION FLORIDA BUILDING CODE (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOWS RATED FOR SMALL MISSILE IMPACT. IMPACT SHUTTERS ARE NOT REQUIRED WHEN USE ABOVE 30 FT 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 FLORIDA BUILDING CODE (2020)/8TH EDITION FLORIDA BUILDING CODE (2023) SECTION AS APPLICABLE.
- METAL STRUCTURES NOT BY GLOBAL PERFORMANCE WINDOWS 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.

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.
- STEP 2: SEE SHEET E I FOR TYPICAL ALUMINUM PROJECTED-OUT WINDOW ELEVATION. HARDWARE SEE SHEET HW.
- STEP 3: SEE SHEET E I FOR ANCHOR LAYOUT, ANCHOR OPTIONS SEE PAGE DOI.

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.

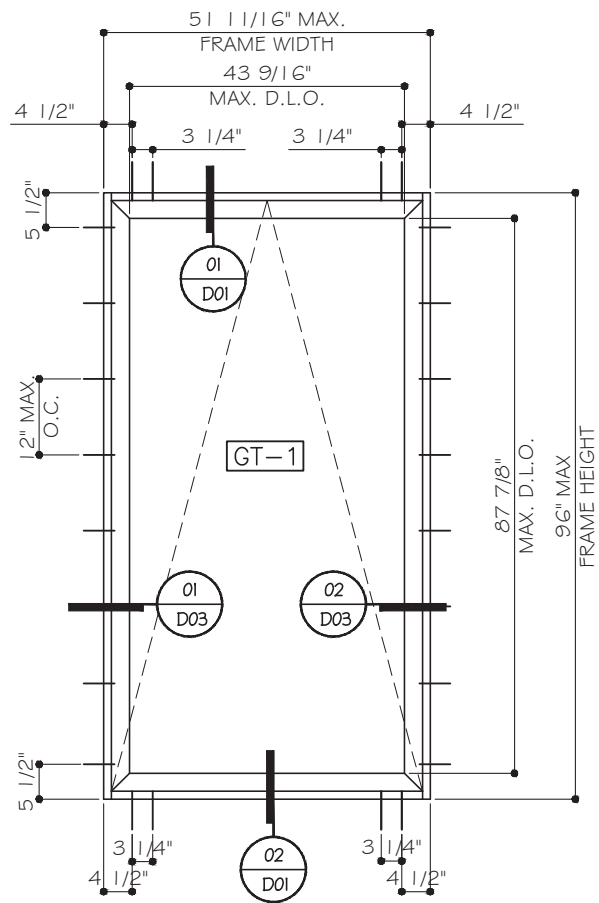
FLORIDA APPROVAL:
FL#17539.3

Drawn Date 08.03.2023	Scale
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C1	
Sheet No. 1 OF 9	

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GLAZING CONSULTANTS
12871 MIRAMAR PARKWAY #301 P: (305)271-0117
MIRAMAR, FL 33027 F: (305)588-5224
www.MCYEngineering.com MCY@mcyengineering.com

ALUMINUM PROJECTED OUT WINDOW SERIES EUSA 500PO (SMI)

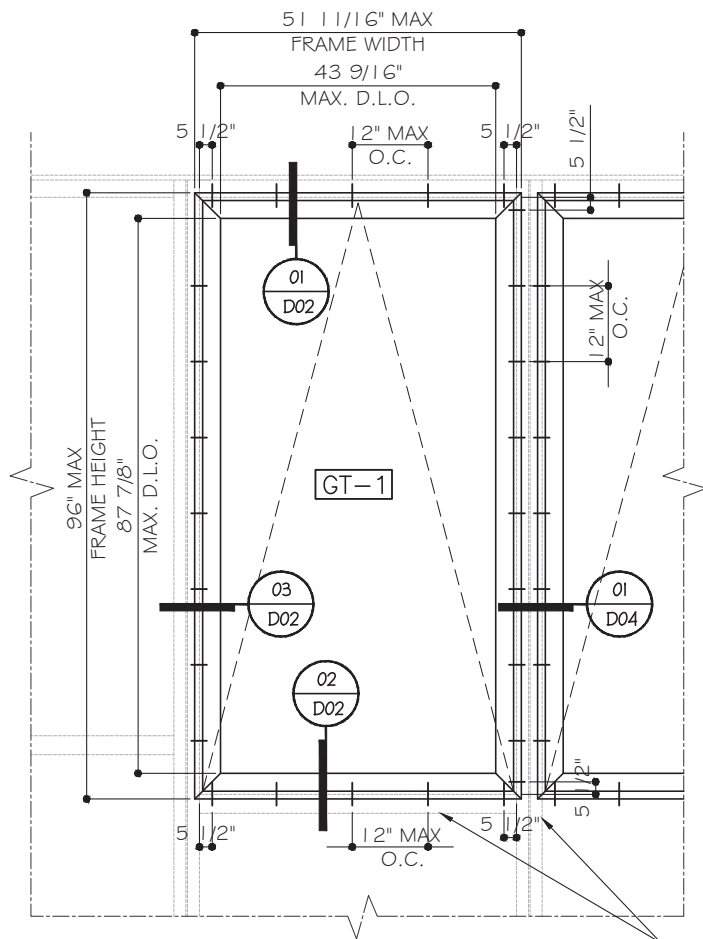
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DBA. EPSYLON USA
1881 SW 3ST POMPANO BEACH, FL 33069
TEL. (954)-942-3322



TYPICAL EXTERIOR ELEVATIONS(X)

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

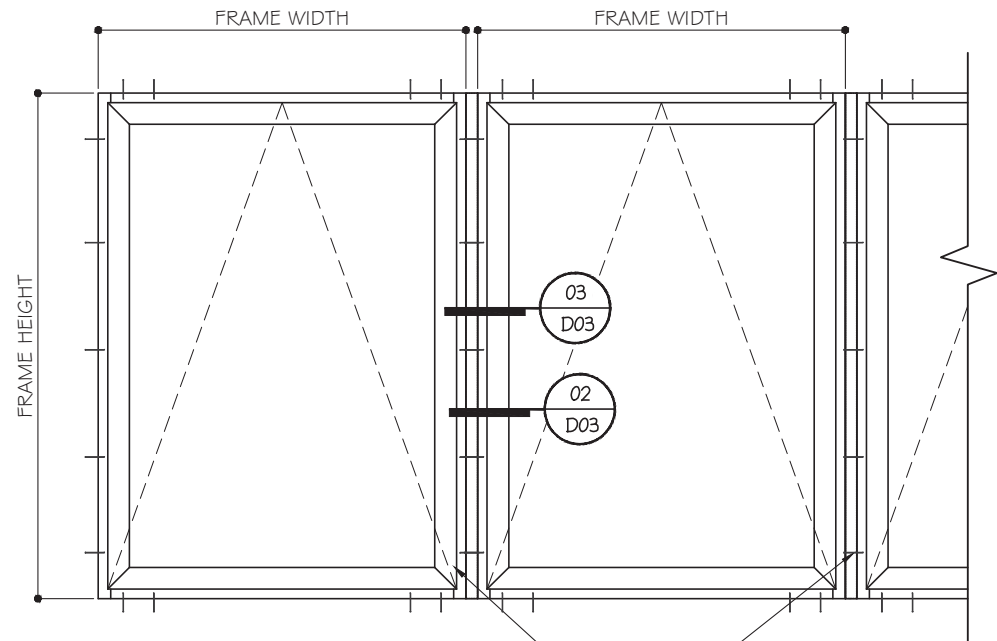
SEE HARDWARE ON SHEET 'HW'



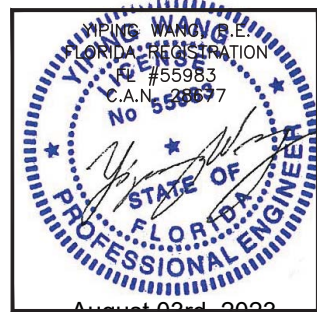
TYPICAL EXTERIOR ELEVATIONS(X)
WITHIN EUSA WINDOW WALL/CURTAIN WALL SYSTEMS

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

EUSA WINDOW WALL SYSTEMS SEE
SEPARATE FL APPROVAL OR MIAMI
DADE COUNTY APPORVAL



FLORIDA APPROVAL:
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August 03rd, 2023

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Rev. No.	Date	Description
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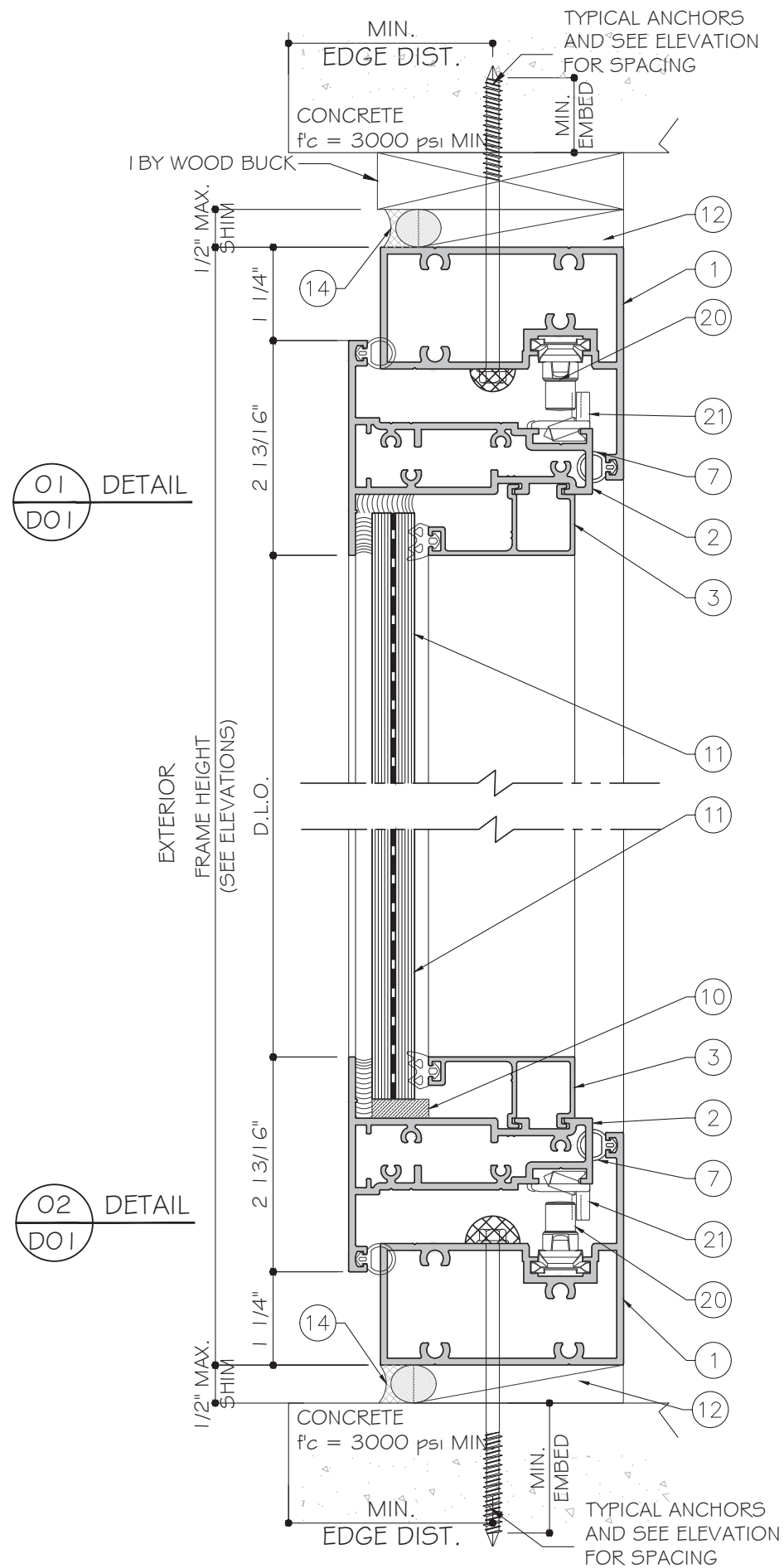
Drawn Date
08.03.2023

Scale

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AD19-25

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E1

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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
 WITH 1-1/2" MIN. PENETRATION INTO WOOD
 OR THRU WOOD BUCK INTO CONCRETE OR BLOCK WITH 1 3/4" MIN. EMBED

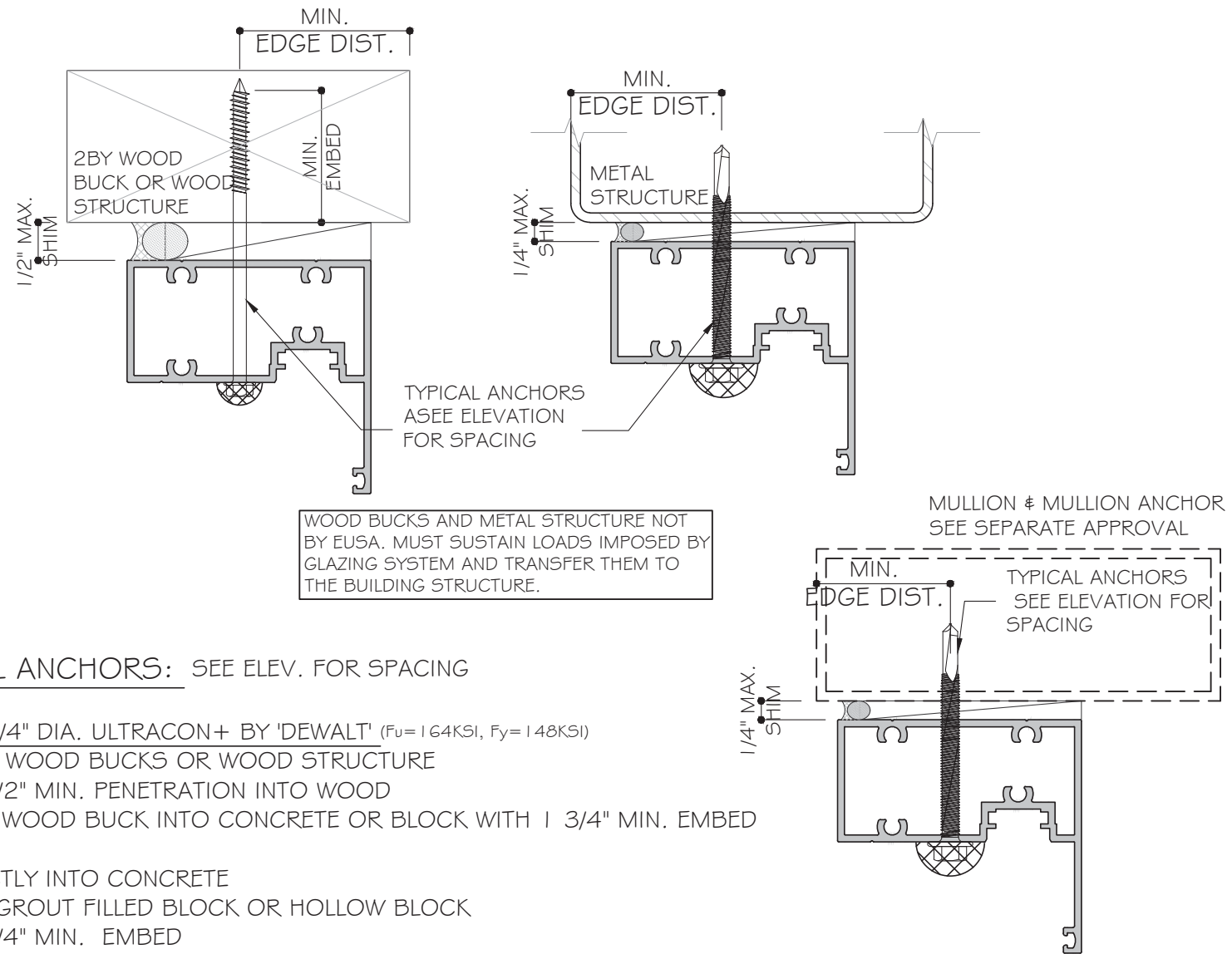
OR DIRECTLY INTO CONCRETE
 OR INTO GROUT FILLED BLOCK OR HOLLOW BLOCK
 WITH 1-3/4" MIN. EMBED

TYPE B: #14 SMS ($F_u = 74 \text{ KSI}$, $F_y = 57 \text{ KSI}$)
 OR TEK5-SELF DRILLING SCREWS (GRADE 5) ($F_u = 120 \text{ KSI}$, $F_y = 92 \text{ KSI}$)
 INTO MIAMI-DADE COUNTY APPROVED MULLION OR
 OR INTO STEEL STRUCTURES
 MIN. 3 THREADS TO EXTEND BEYOND METAL THICKNESS

ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN).
 STEEL: 1/8" THK. MIN. ($F_y = 36 \text{ KSI MIN.}$)

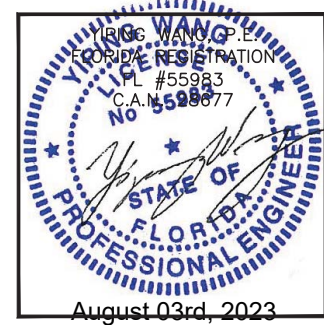
ANCHOR EDGE DISTANCE:
 INTO CONCRETE OR BLOCKS: 2-1/2" MIN.
 INTO WOOD STRUCTURE: 1" MIN.
 INTO METAL STRUCTURE: 3/4" MIN

WOOD AT HEAD, SILL OR JAMBS: SG = 0.55 MIN.
 CONCRETE AT HEAD, SILL OR JAMBS: $f'_c = 3000 \text{ PSI MIN.}$
 C-90 HOLLOW/FILLED BLOCK AT JAMBS: $f'_m = 2000 \text{ PSI MIN.}$
 METAL STRUCTURE AT HEAD, SILL OR JAMB: 1/8" MIN. THK.



SEALANT: TREMCO SPECTREM 2 WITH BACKER ROD
 APPLIED ALL AROUND THE PERIMETER OF FRAME ON THE
 EXTERIOR, FRAME CORNERS, GLAZING BEAD SEAMS AT
 EACH END, FIXED MEETING RAIL AT EACH END,
 INSTALLATION FASTENERS AT FRAME HEAD, SILL AND
 JAMBS.

FLORIDA APPROVAL:
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ALUMINUM PROJECTED OUT WINDOW SERIES EUSA 500PO (SMI) GLOBAL PERFORMANCE WINDOW INC. DBA: EPSYLON USA 1881 SW 35TH POMPAHO BEACH, FL 33069 TEL: (954)-942-3322	
Drawn Date 08.03.2023	Scale REV 2 08.03.2023
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01
DO2

DETAIL

EXTERIOR

FRAME HEIGHT

1/4" MAX.
SHIM

1/2" 3/4"

2 13/16"

D.L.O.

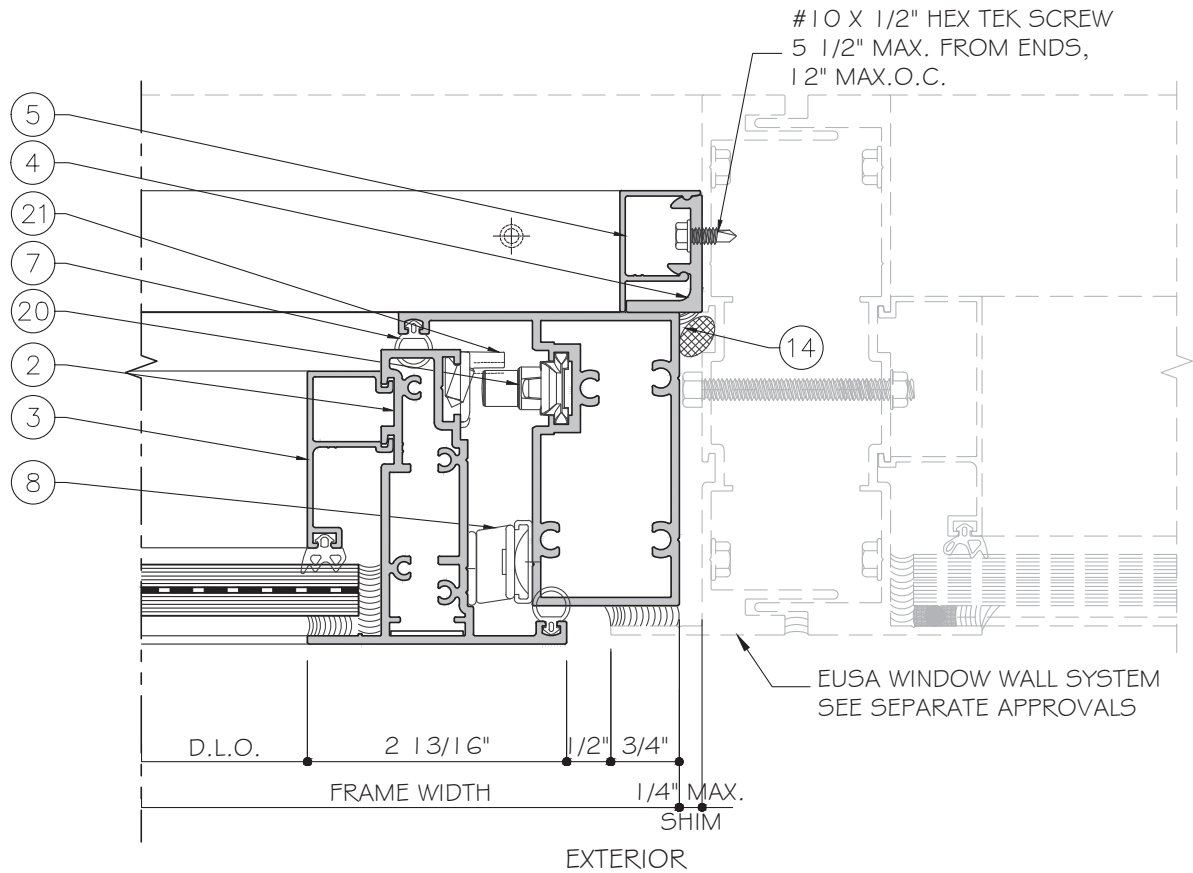
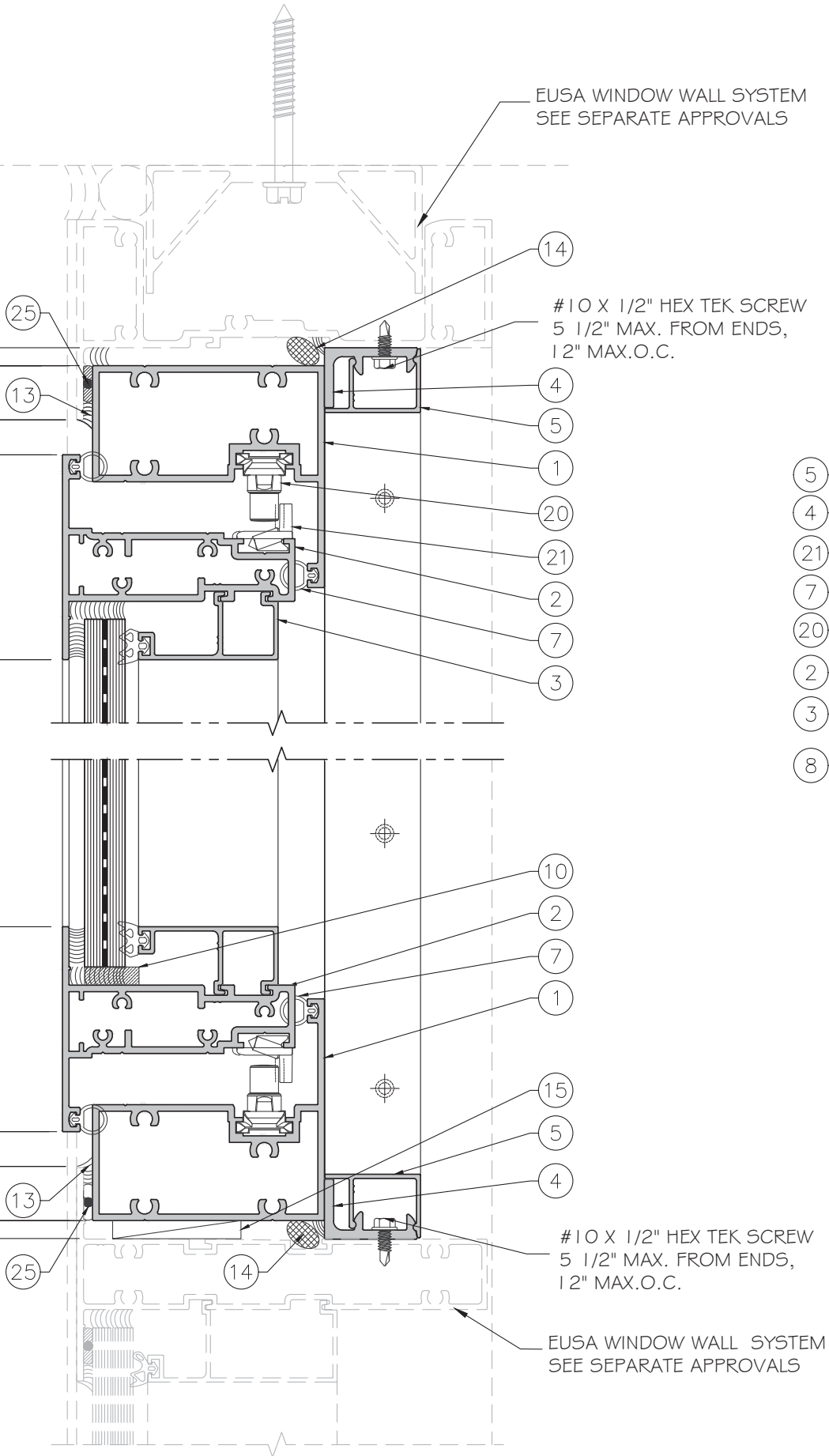
2 13/16"

3/4" 1/2"

1/4" MAX.
SHIM

02
DO2

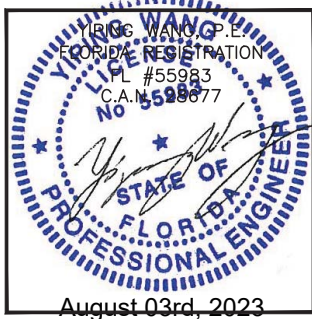
DETAIL



03
DO2

DETAIL

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FL#17539.3



ALUMINUM PROJECTED OUT WINDOW SERIES EUSA 500PO (SMI)

GLOBAL PERFORMANCE WINDOW INC.

DBA. EPSYLON USA

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TEL. (954)-942-3322

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GLAZING CONSULTANTS

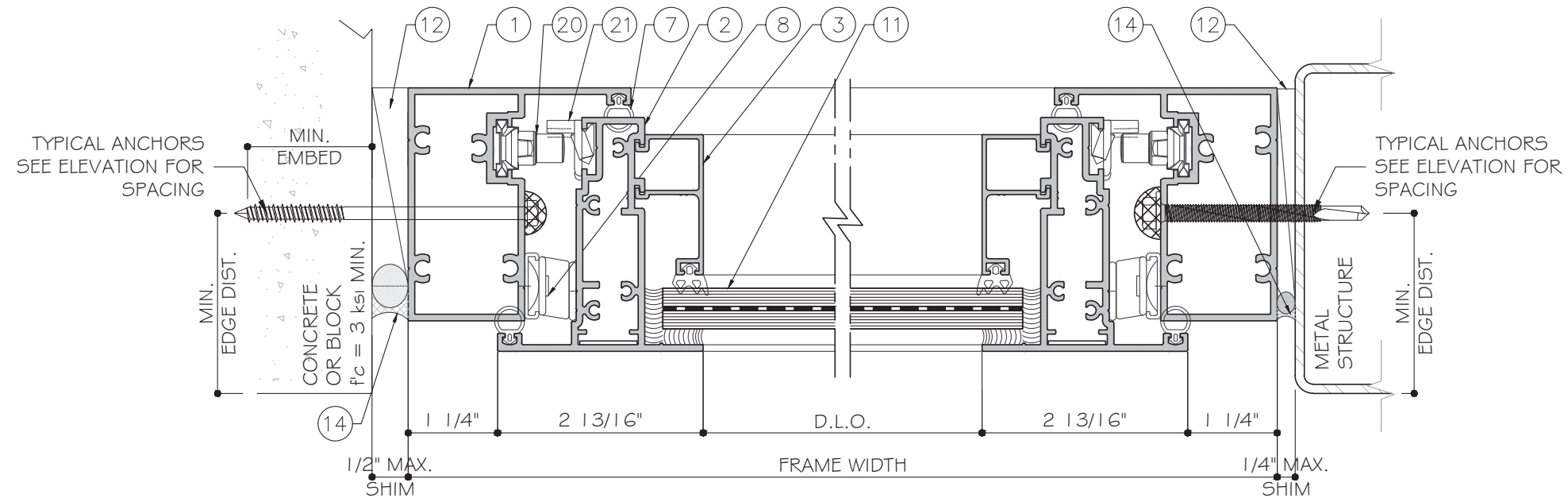
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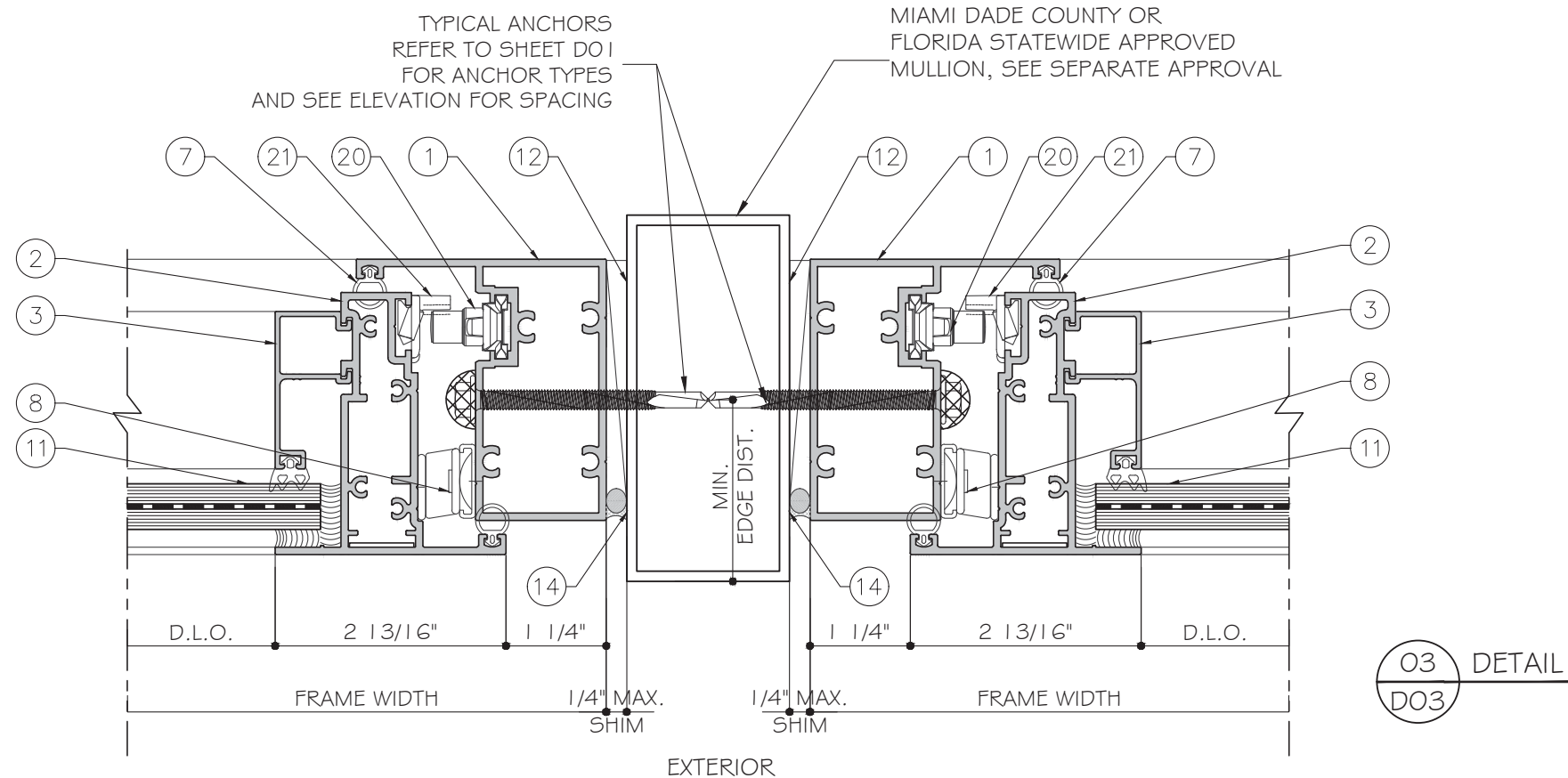
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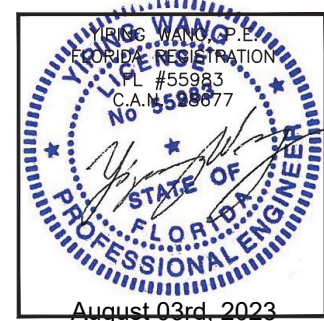
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D03
DETAIL

02
D03
DETAIL



03
D03
DETAIL

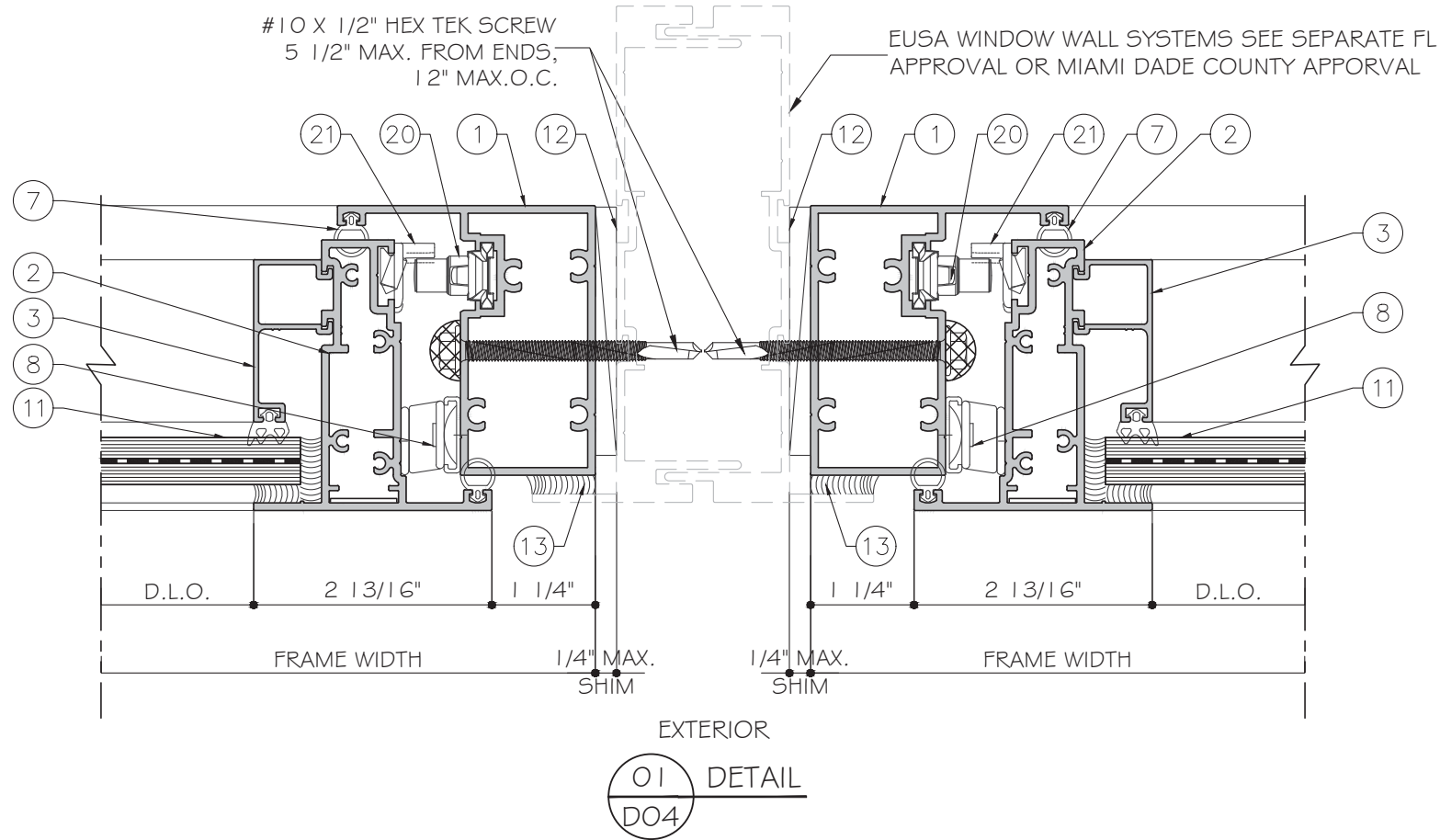
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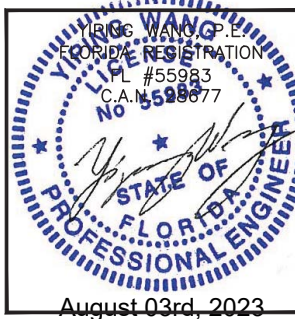
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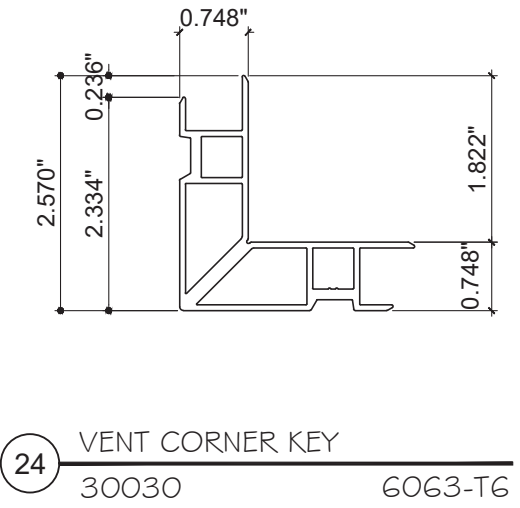
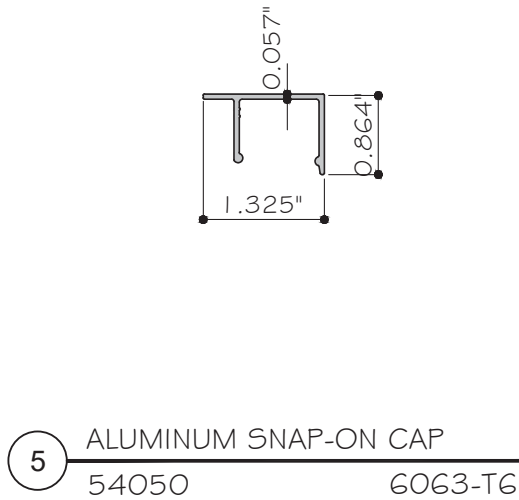
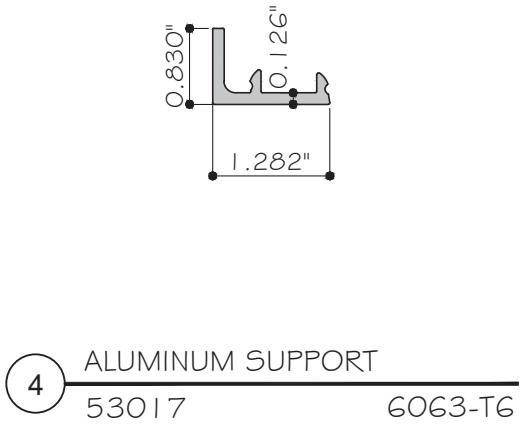
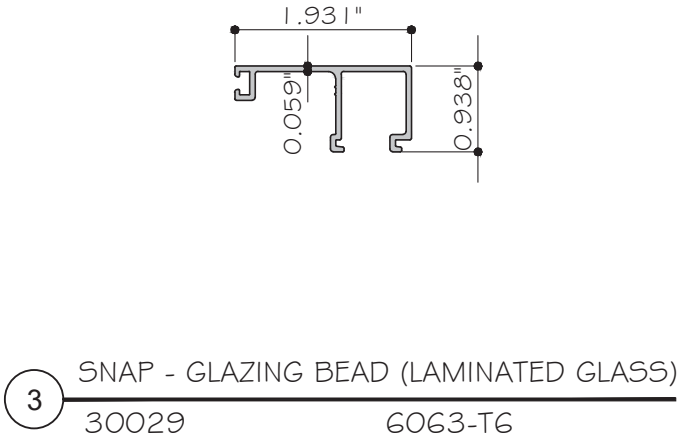
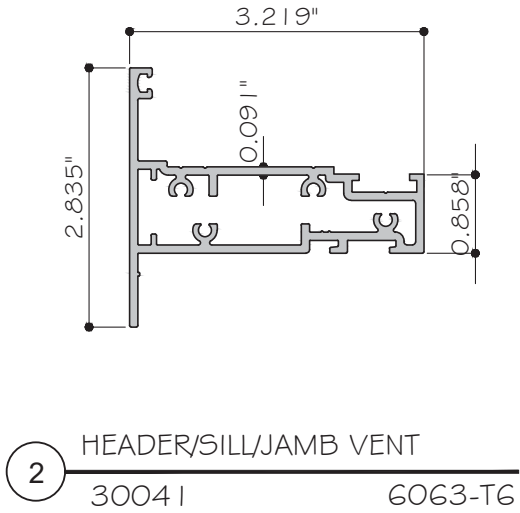
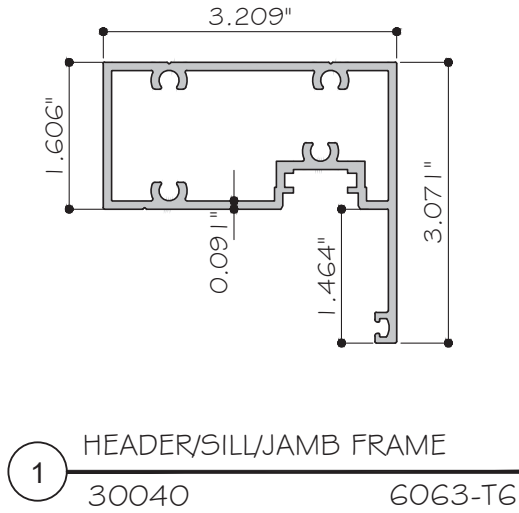
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FLORIDA APPROVAL:
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YING WANG
P.E.
FLORIDA REGISTRATION
No. 55983
C.A.N. 559877

August 03rd, 2023

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BILL OF MATERIALS

ITEM	PART	DESCRIPTION	MATERIAL	MFG.
1	30040	ALUMINUM FRAME	6063 - T6	----
2	30041	OPERABLE PANEL FRAME	6063 - T6	----
3	30029	ALUMINUM SNAP - GLAZING BEAD FOR INSULATED LAMINATED GLASS	6063 - T6	----
4	53017	ALUMINUM SUPPORT	6063 - T6	----
5	54050	ALUMINUM SNAP-ON CAP	6063 - T6	----
6	91502	GASKET - TREMCO(SHORE A-DURO 70)	EPDM	TREMCO
7	93104	GASKET - TREMCO(SHORE A-DURO 70)	EPDM	TREMCO
8	---	SPT26 - PROJECT OUT 4 BAR HINGE	ST/ST	SECURISTYLE
9	----	#14 SELF TAPPING SCREW - 2 3/4" LONG FOR LOCK	----	----
10	---	SCR SETTING BLOCK	----	----
11	---	9/16" LAMINATED GLASS	----	----
12	---	HARD PLASTIC SHIM	----	----
13	----	"SPECTREM 2" SILICONE SEALANT	SILICONE	TREMCO
14	----	SILICONE SEALANT & BACKER ROD TREMCO SPECTREM 2	SILICONE	TREMCO
15	----	HARD PLASTIC SHIM 1/4"	----	----
16	0530BI	HANDLE	----	----
17	1703	HANDLE CONNECTING BLOCK	----	----
18	1788	HOLDER	----	----
19	1789A	ADJUSTABLE CORNER TRANSMISSION FOR OUT SYSTEM	----	----
20	1740A-00	ADJUSTABLE LOCKING POINT	----	----
21	1746	ADJUSTABLE ALL PURPOSE KEEPER SYNCRO	----	----
22	----	#14 X 1 1/4" FRAME ASSEMBLY SCREWS HH SMS	----	----
23	----	#8 X 1 1/2" VENT ASSEMBLY SCREWS SS, FH SMS	ST/ST	----
24	30030	VENT CORNER KEY	6063 - T6	----
25	----	POLYSHIM 1/8" x 1/2"	----	----

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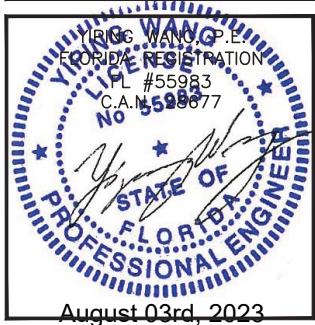
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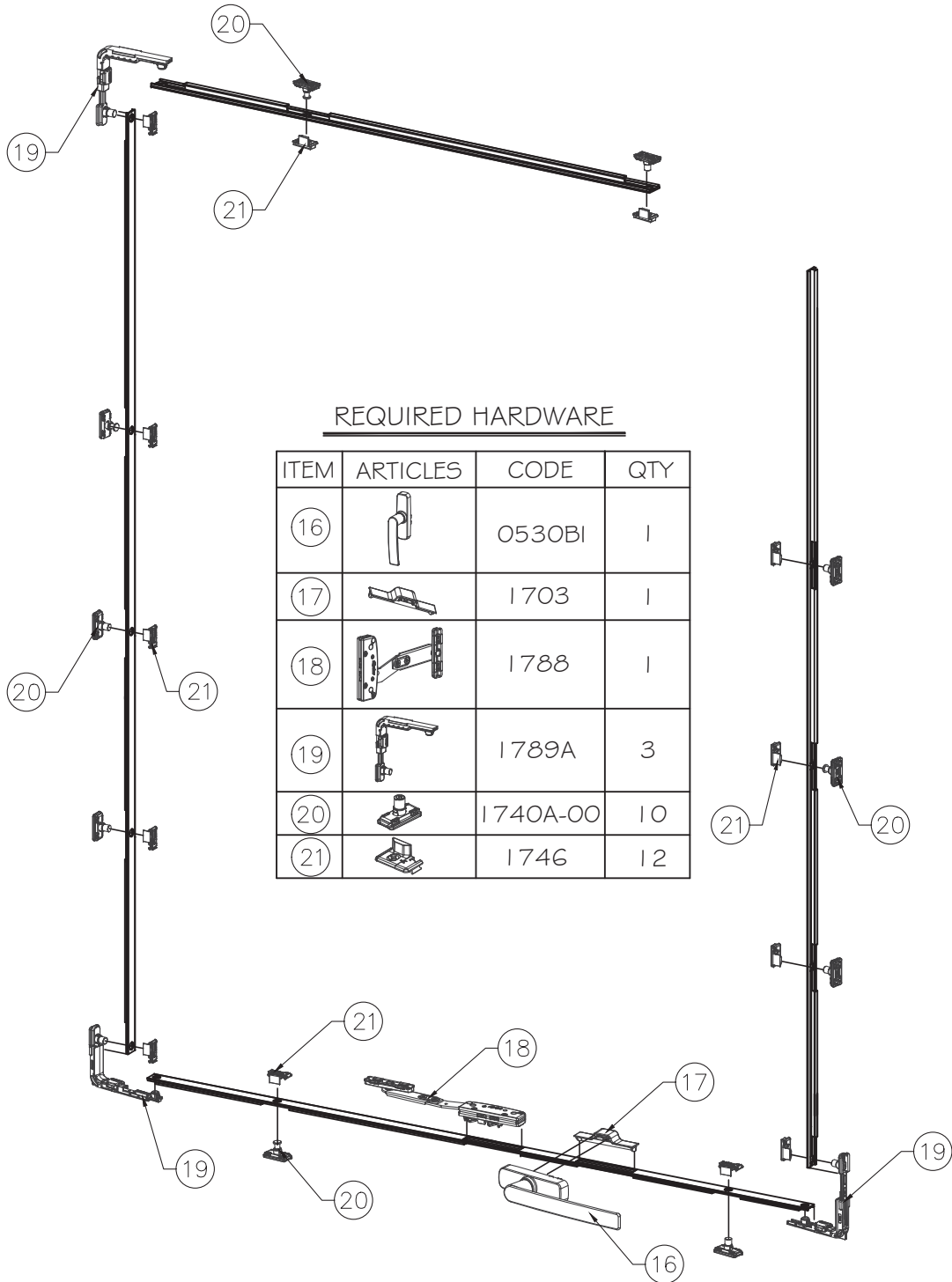
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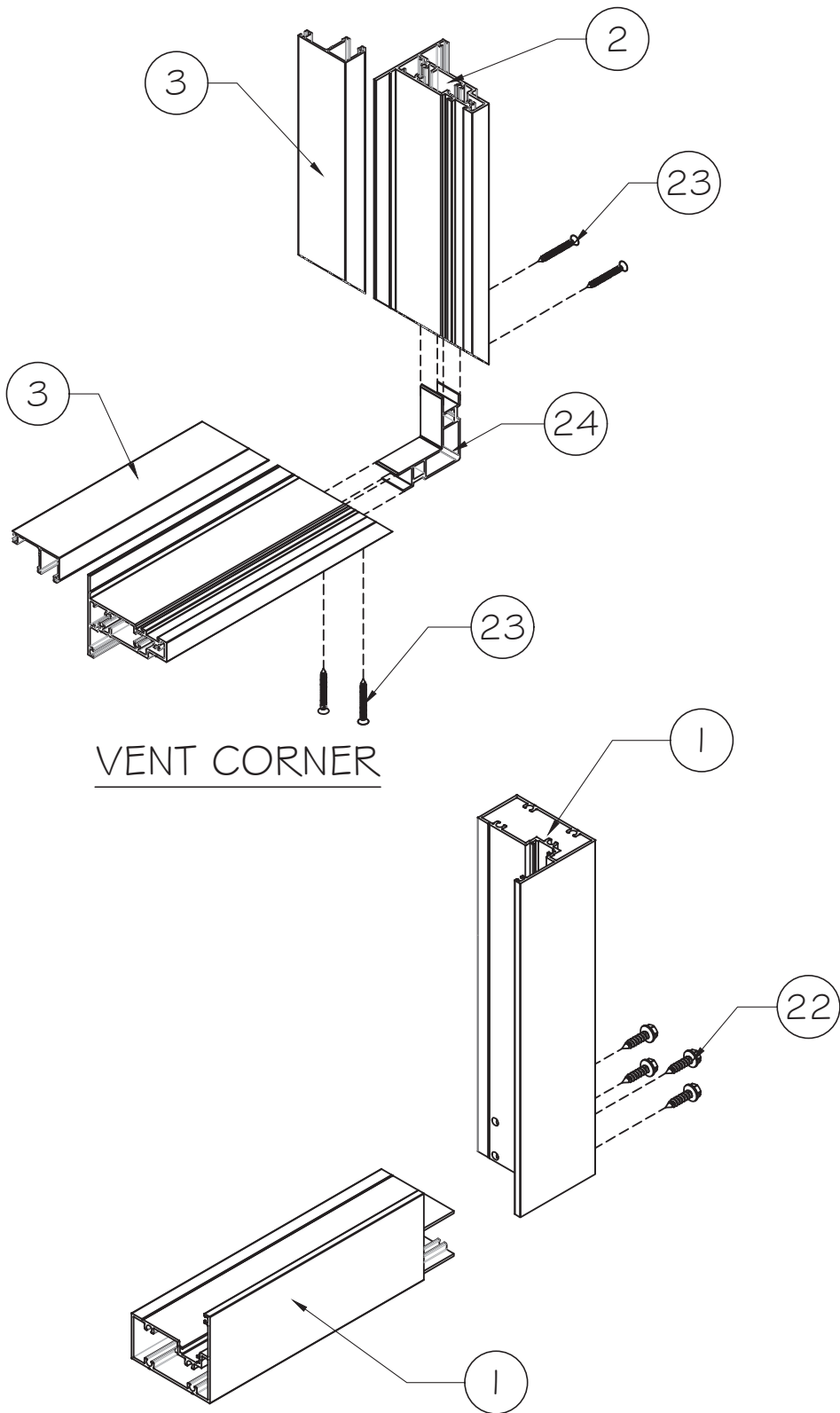


~~August 03rd, 2023~~



REQUIRED HARDWARE			
ITEM	ARTICLES	CODE	QTY
16		0530BI	1
17		1703	1
18		1788	1
19		1789A	3
20		1740A-00	10
21		1746	12

HARDWARE 3D VIEW



FRAME CORNER

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REV	DATE	DESCRIPTION
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