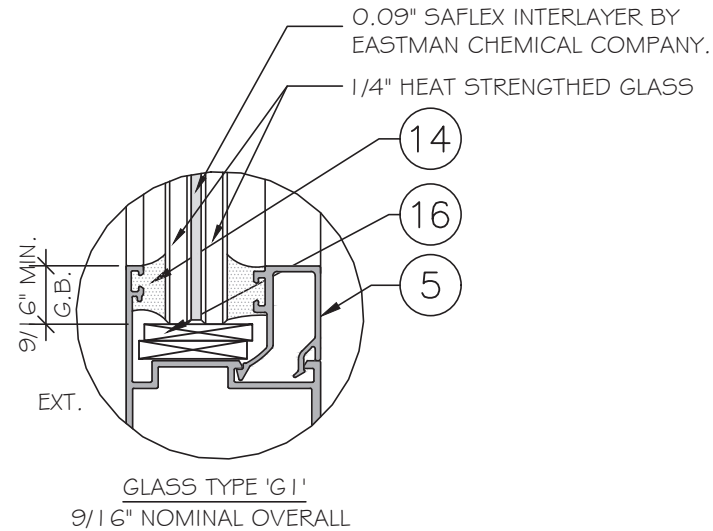


ELITE DOORS AND WINDOWS INC
SERIES YY 100 ALUMINUM CASEMENT WINDOW SYSTEM
LARGE MISSILE IMPACT



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 8TH EDITION FLORIDA BUILDING CODE (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOWS ARE 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.
- SYSTEM TESTED FOR LEVEL "D" IMPACT.
- 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 FLORIDA BUILDING CODE (2023) SECTION AS APPLICABLE.
- METAL STRUCTURES NOT BY SHANGHAI YY WINDOW CO, LTD BUILDING MATERIAL 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.

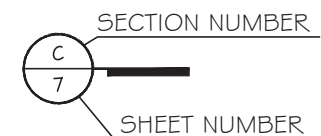
- MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE LABELING TO COMPLY WITH SECTION 1709.9.2.

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 OR WIND TUNNEL REPORTS.
- STEP 2: SEE SHEET 02 AND 03 FOR TYPICAL WINDOW ELEVATION AND DESIGN LOAD.
- STEP 3: SEE SHEET 05 FOR ANCHOR OPTIONS. SEE SHEET 02 & 03 FOR ANCHOR LAYOUT.
- STEP4: THE LOWEST VALUE RESULTING FROM STEPS 2 & 3 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THROUGH STEP 1 SHALL APPLY TO ENTIRE SYSTEM.

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
G.B. - GLASS BITE



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.

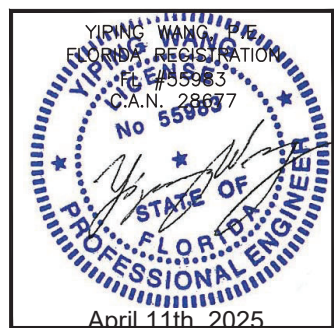
C-THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

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.

FLORIDA APPROVAL:

FL47436



MCY ENGINEERING, INC.
GLAZING CONSULTANTS

GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301

MIRAMAR, FL 33027

mcy@mcyengineering.com

APPENDIX 100 ALUMINUM CASEMENT WINDOW - LMI

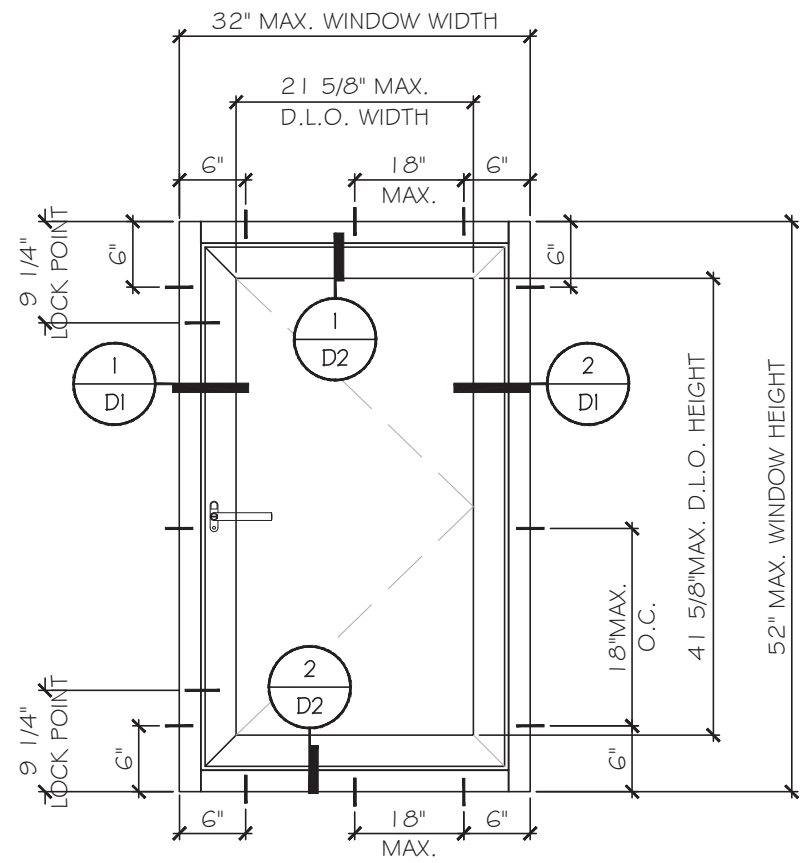
ELITE DOORS AND WINDOWS, INC.

4780 CORONA AVENUE, VERNON, CALIFORNIA 90058

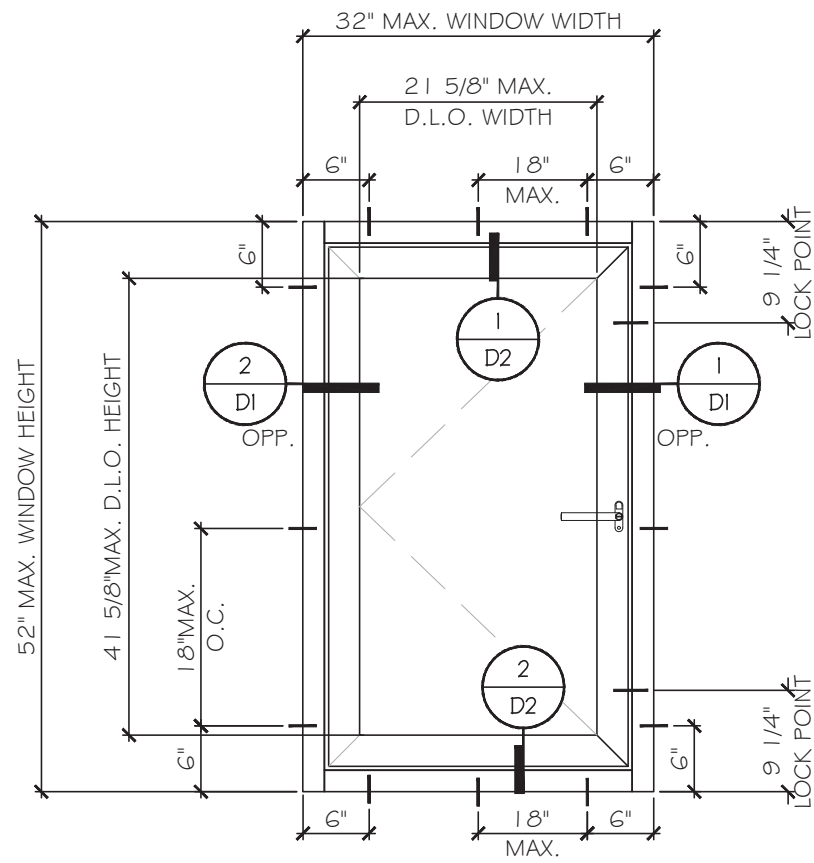
TEL.310 487 3334

EMAIL: Gino@elitedoorswindows.com

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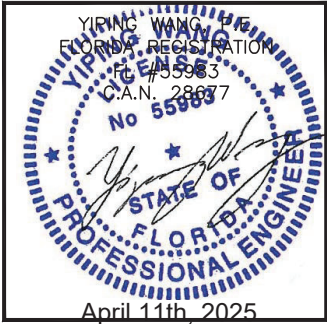
TYPICAL EXTERIOR ELEVATIONS



TYPICAL EXTERIOR ELEVATIONS

DESIGN LOAD
NOTE: FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC
+ 65 PSF
- 65 PSF

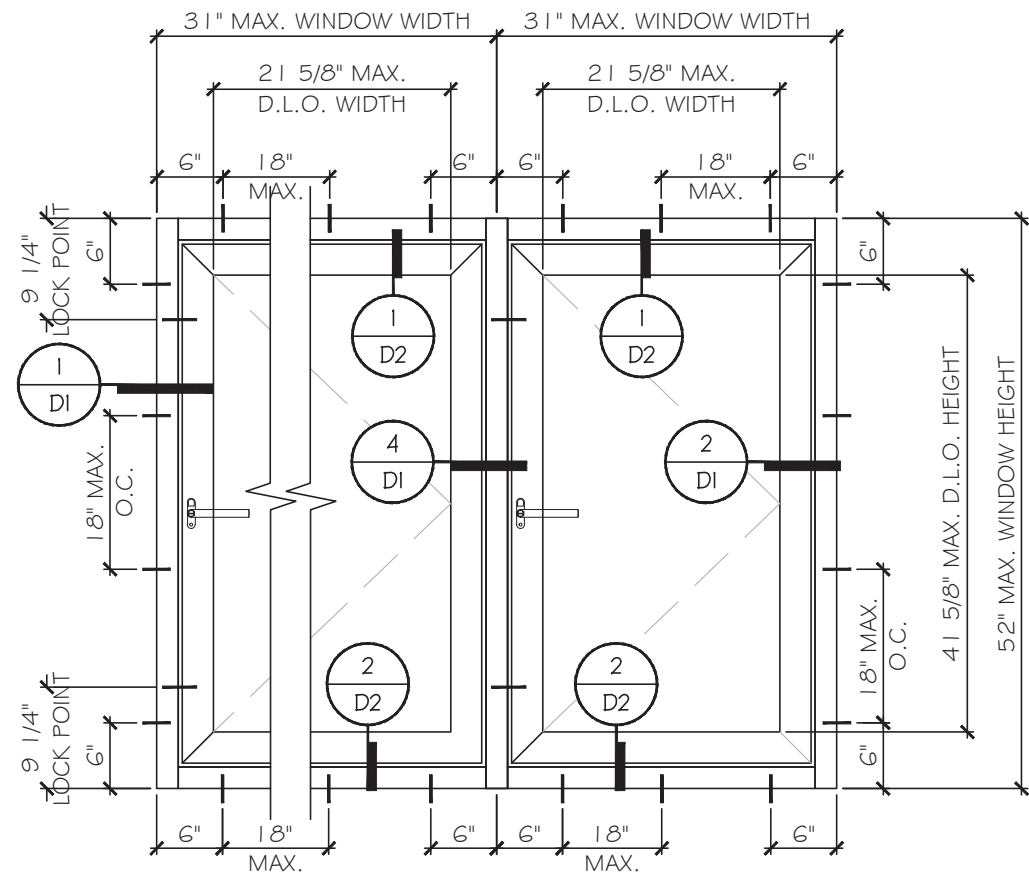
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Sheet No.	2 OF 10		
Rev. No.	R0	Date	04.07.2025
Drawn By	James	Description	NEW APPROVAL

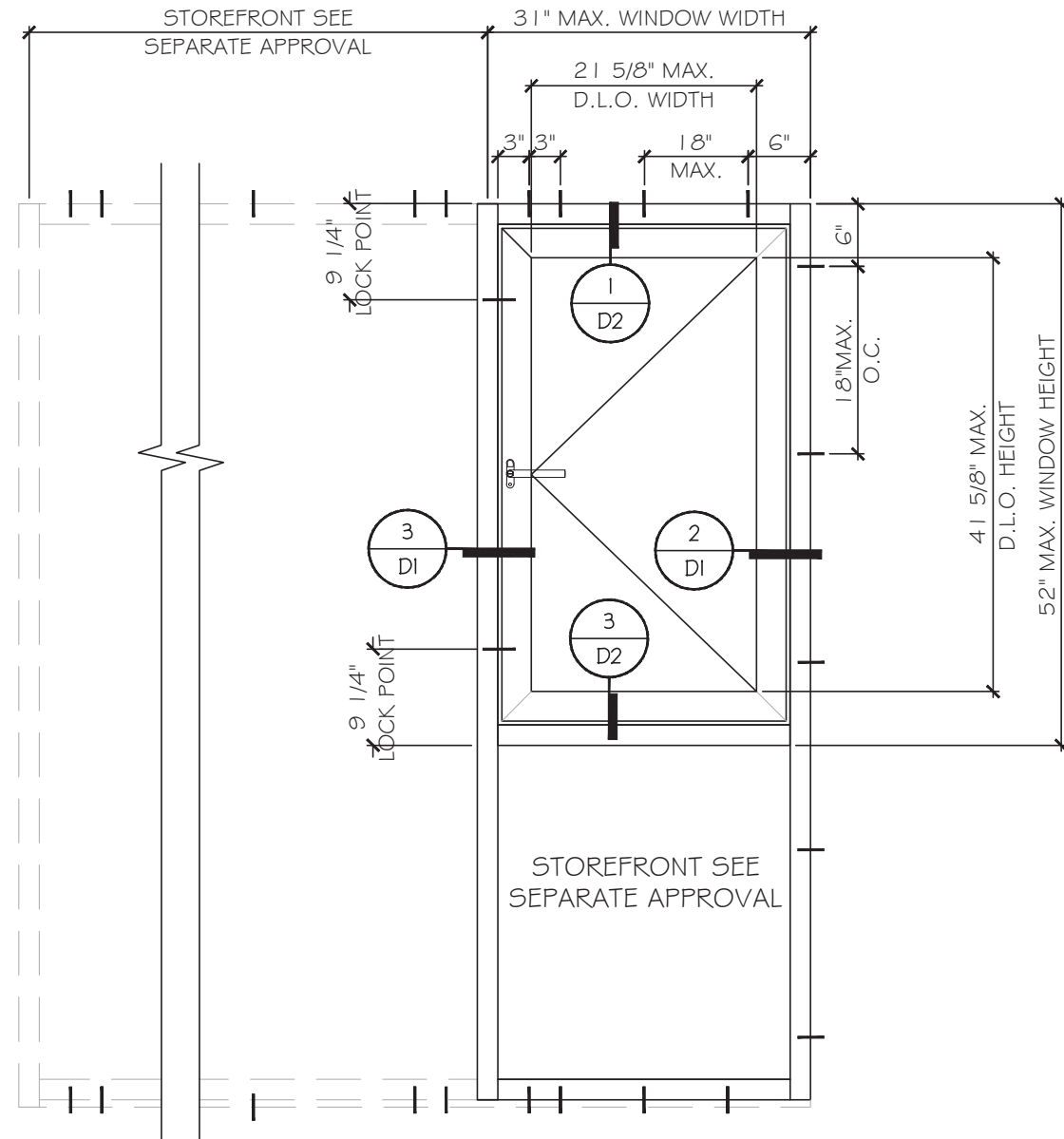
YY 100 ALUMINUM CASEMENT WINDOW - LMI
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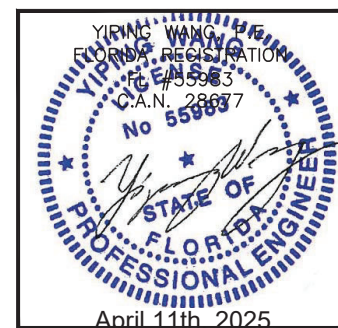
TYPICAL EXTERIOR ELEVATIONS

DESIGN LOAD
NOTE: FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC
+ G5 PSF
- G5 PSF

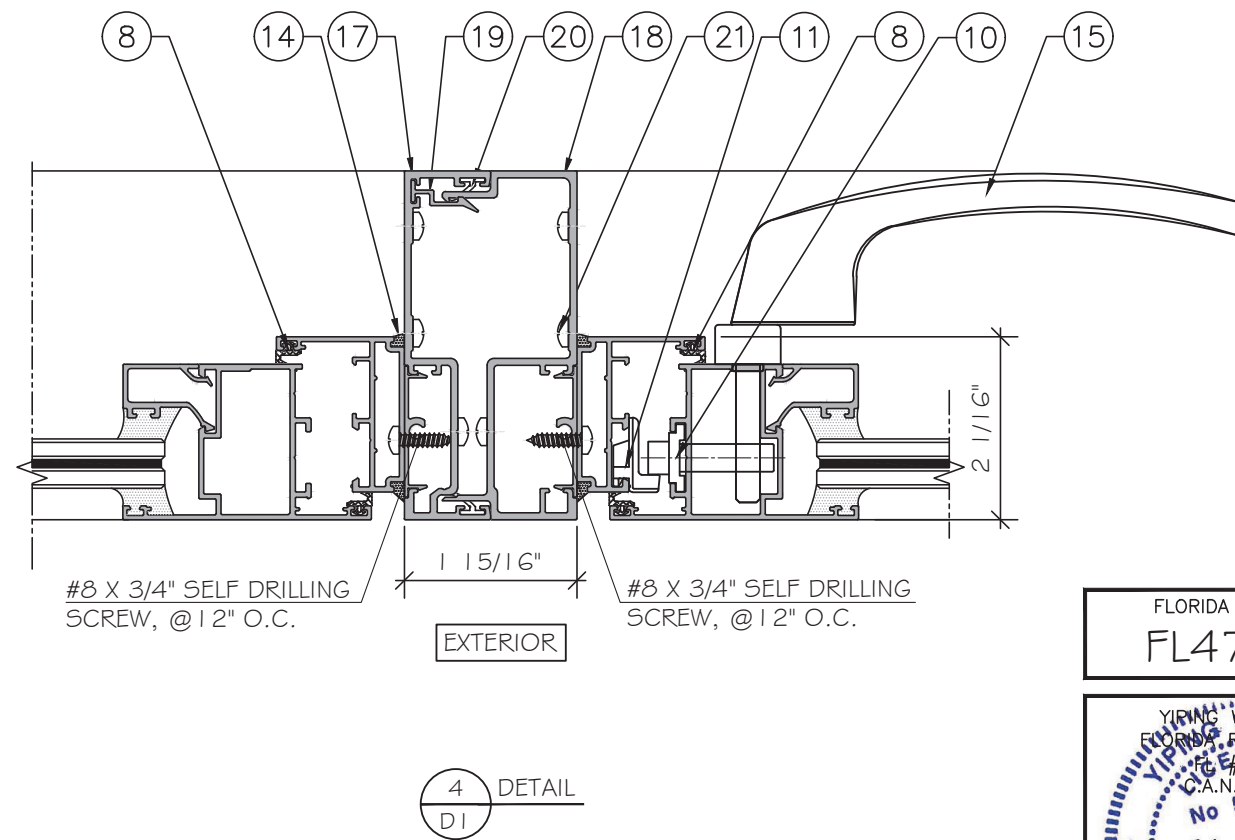
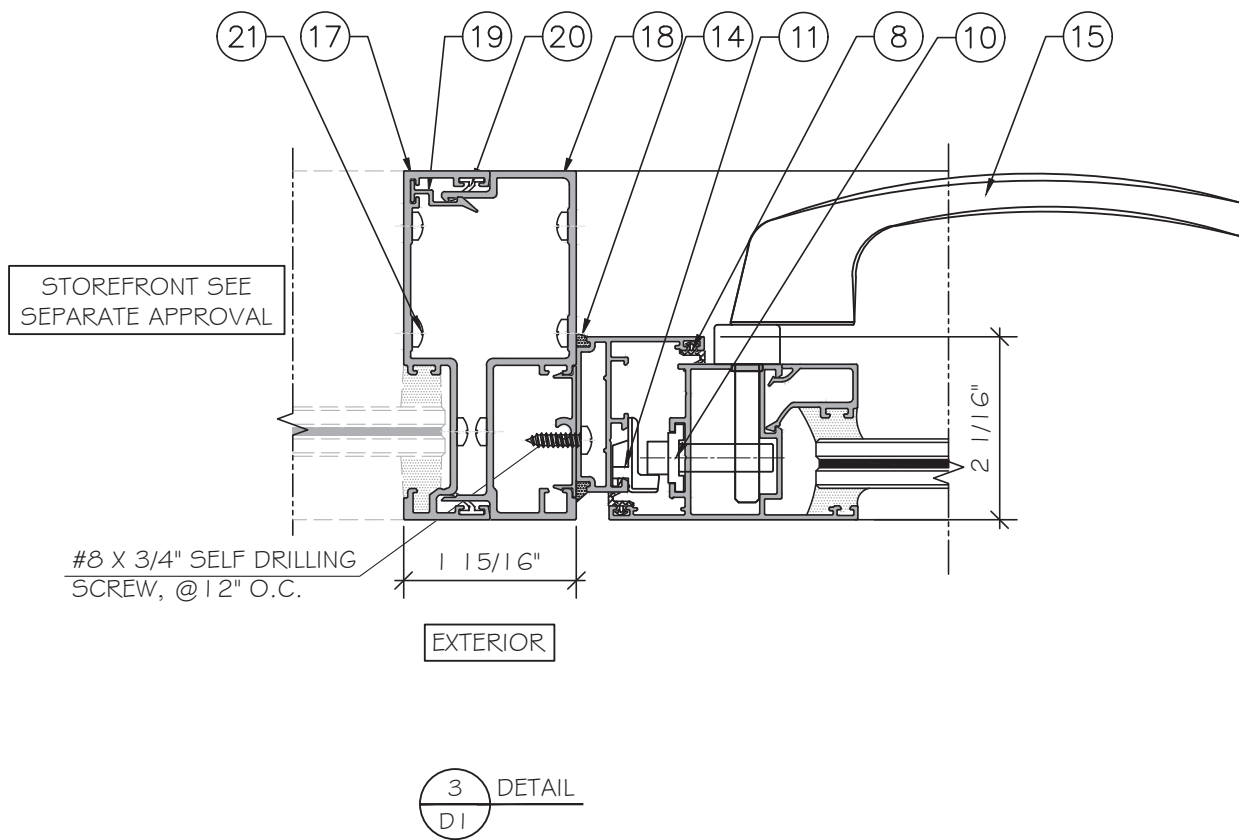
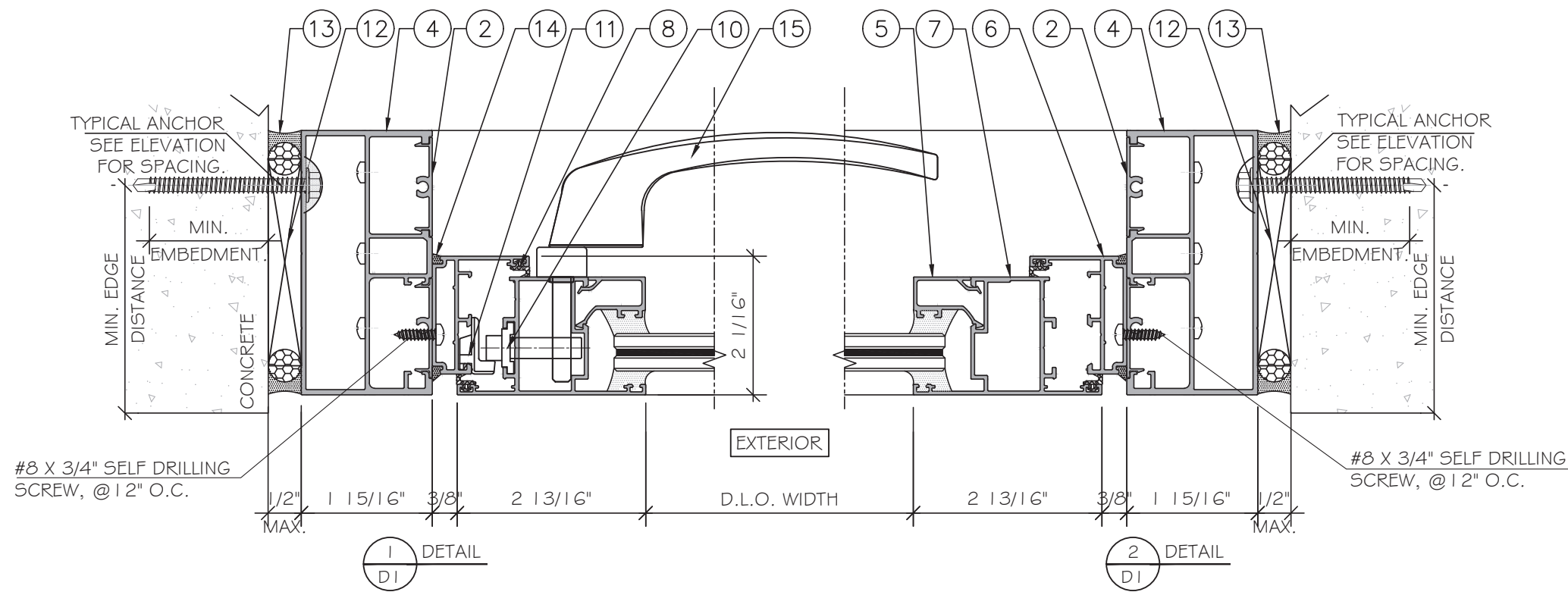


TYPICAL EXTERIOR ELEVATIONS

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MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PARKWAY #301 MIRAMAR, FL 33027 P: 305-271-0117 www.MCYEngineering.com mcy@mcyengineering.com			
YY 100 ALUMINUM CASEMENT WINDOW - LMI ELITE DOORS AND WINDOWS, INC. 4780 CORONA AVENUE, VERNON, CALIFORNIA 90058 TEL. 310 487 3334 EMAIL: Gino@elitedoorswindows.com			
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Rev. No.	R0	Date	04.07.2025
Drawn By	James	Description	NEW APPROVAL
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Sheet No. E2			
3 OF 10			



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FL47436

YIMING WANG
FLORIDA REGISTRATION
No. 55983
C.A.N. 28677

April 11th, 2025

MCY ENGINEERING, INC.
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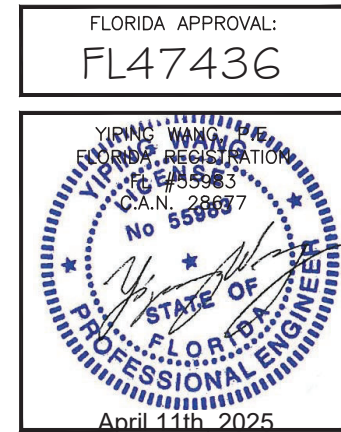
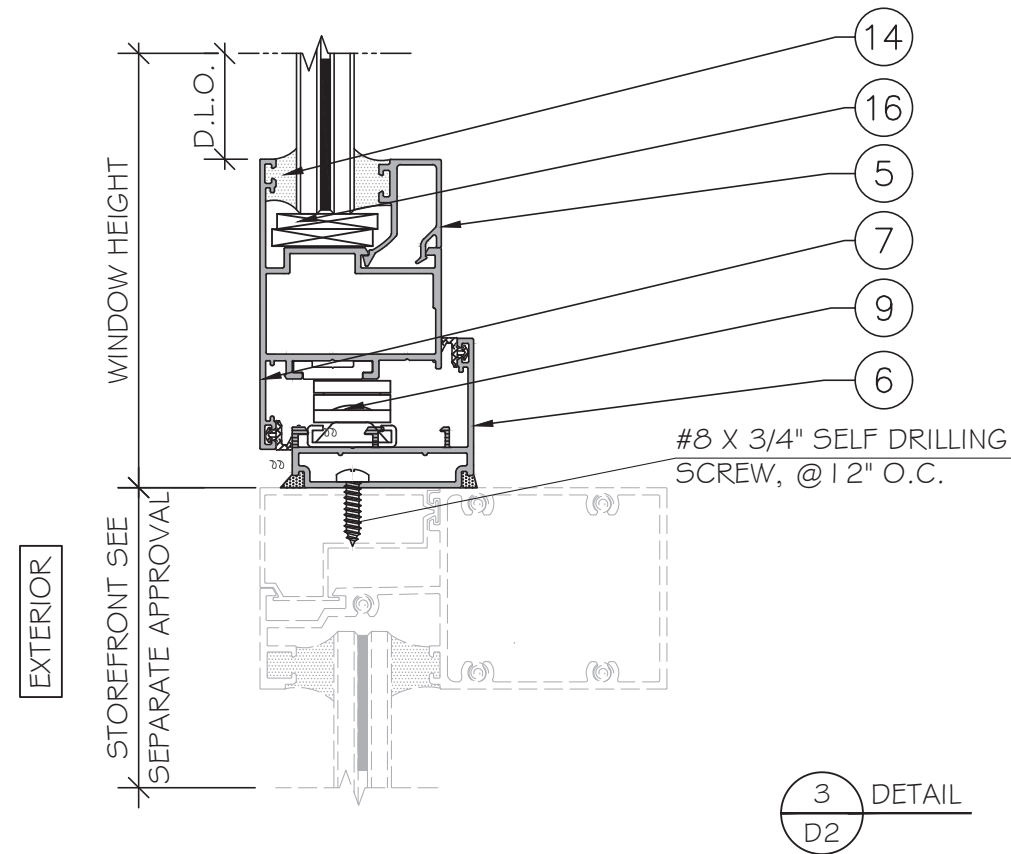
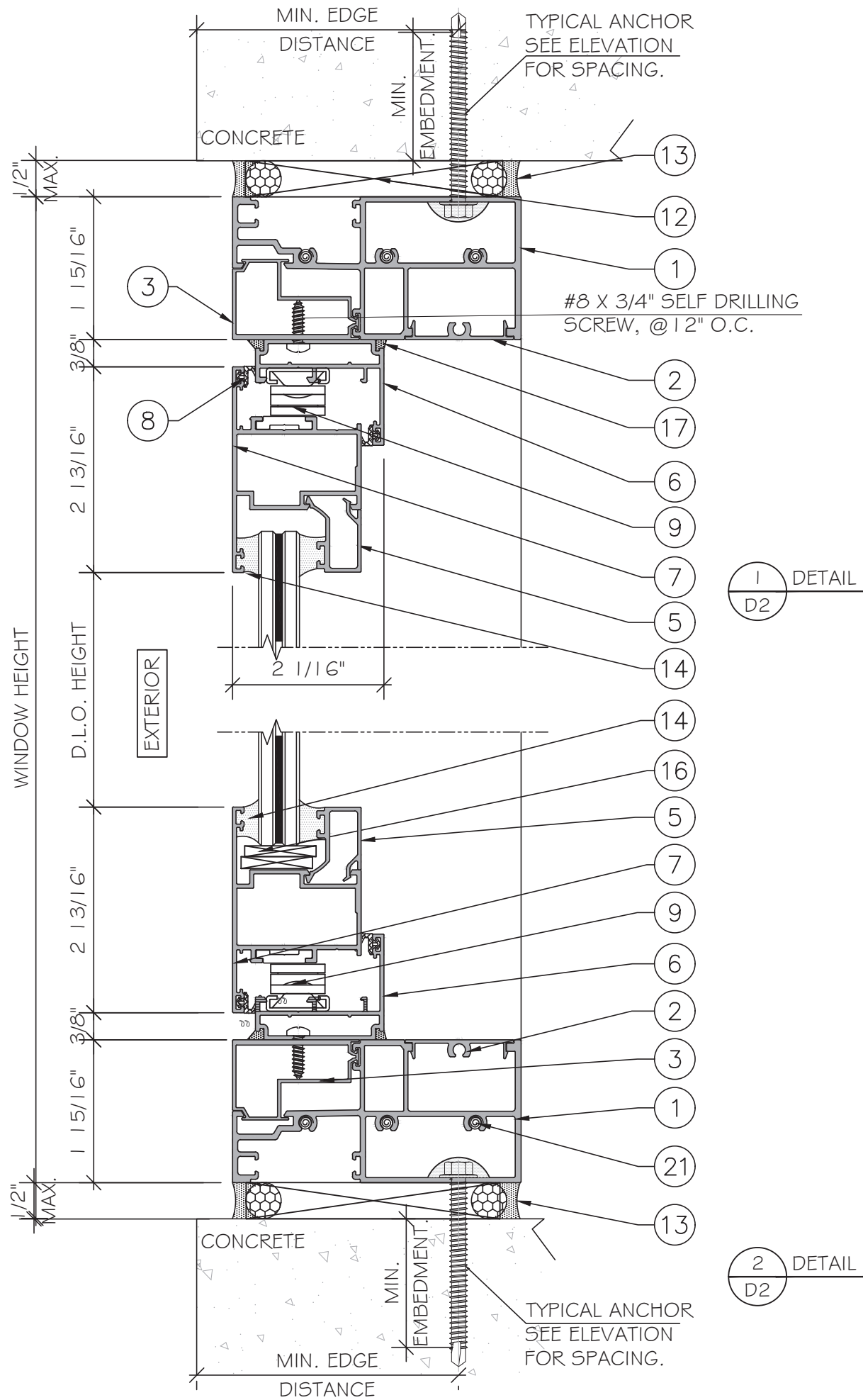
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R0	04.07.2025	James	NEW APPROVAL

Drawn Date: 04.07.2025

SCALE: AS SHOWN

DRAWING NO.
AD25-16

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4 OF 10



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TYPE "A": 1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u = 164$ KSI, $F_y = 148$ KSI)
 1 3/4" MIN. EMBED INTO CONCRETE (HEAD/ JAMBS/ SILL)
 1 3/4" MIN. EMBED INTO CONC. BLOCKS (JAMB ONLY)

TYPE "B": 1/4" TEKS/SELF DRILLING SCREW(GRADE 5) ($F_u = 120$ KSI, $F_y = 92$ KSI)
 INTO APPROVED MULLIONS
 (1/8" THK. MIN.) INTO METAL STRUCTURE

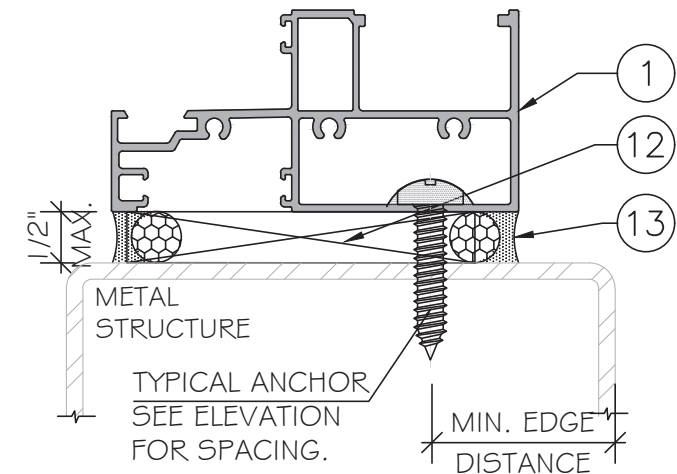
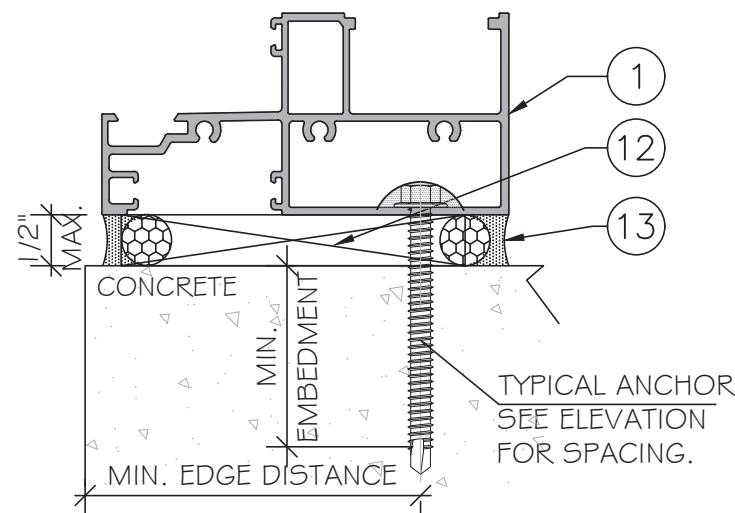
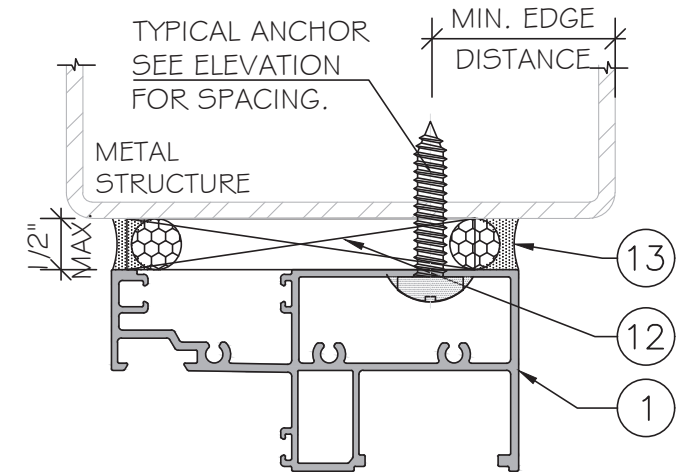
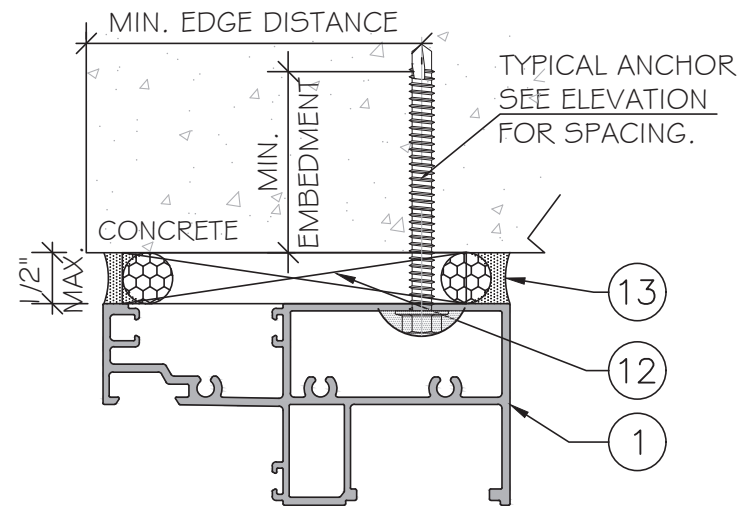
STEEL: 12 GA. MIN. ($F_y = 36$ KSI MIN.)
 ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.)
 (STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PANTED)

TYPICAL ANCHOR EDGE DISTANCE:
 INTO CONCRETE = 2 1/2" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

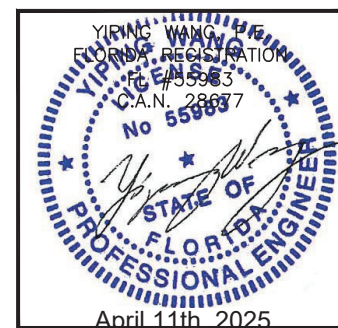
CONCRETE $f'_c = 3000$ psi MIN.
C-90 HOLLOW/FILLED BLOCK $f'_m = 2000$ psi MIN.
NORMAL STRENGTH CMU(AT JAMB ONLY)

GLAZING BEAD AT FRAME SILL SEALED TO GLASS WITH DOW CORNING 983.
FRAME CORNERS SEALED WITH DOW CORNING 999 OR EQUAL COMPATIBLE

NOTE:
METAL STRUCTURES BY OTHERS MUST BE
PROPERLY SECURED TO SUPPORT LOADS
IMPOSED BY GLAZING SYSTEM AND TRANSFER
THEM TO THE BUILDING STRUCTURES.



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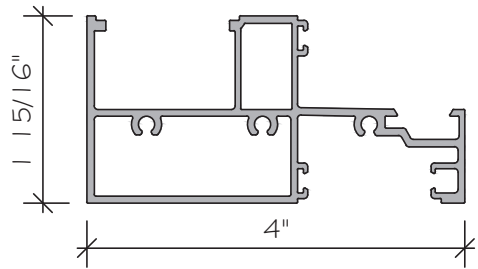
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100 ALUMINUM CASEMENT WINDOW - LMI
 ELITE DOORS AND WINDOWS, INC.
 4780 CORONA AVENUE, VERNON, CALIFORNIA 90058
 TEL: 310 487 3334
 EMAIL: Gino@elitedoorswindows.com

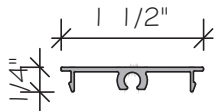
MCY ENGINEERING, INC.
GLAZING CONSULTANTS

 12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027 P: 305-271-0100

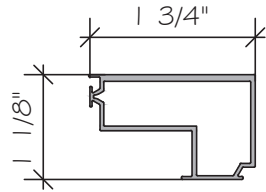
www.MCYengineering.com mcy@mcyengineering.com



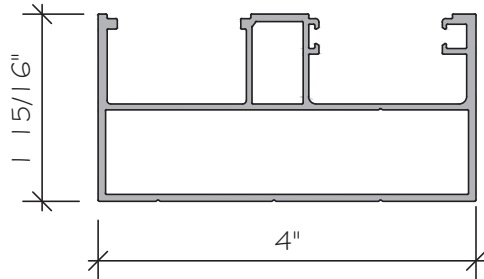
1 ALUM. TRANSOM
YY100-74 6063-T5



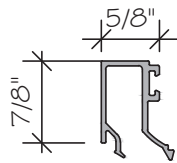
2 ALUM. COVER PLATE
YY86-21 6063-T5



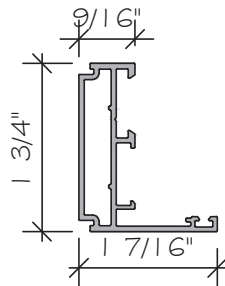
3 ALUM. SUPPORTING PROFILES
YY100-36 6063-T5



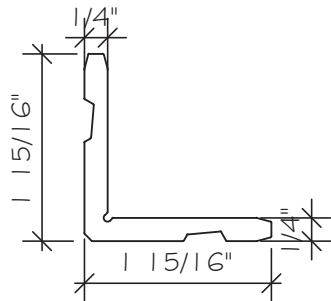
4 ALUM. JAMB
YY100-73 6063-T5



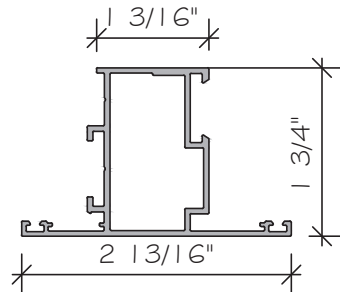
5 ALUM. SASH BEAD
YY150-46 6063-T5



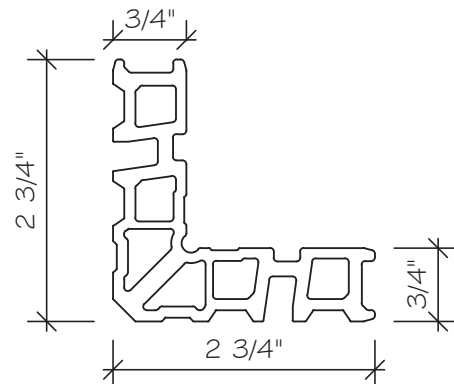
6 ALUM. AWING FRAME
YY100-9 6063-T5



6a ALUM. JOINT ANGLE.
HP504B04 6063-T5



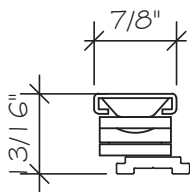
7 ALUM. SASH.
YY86-5 6063-T5



7a ALUM. JOINT ANGLE.
JM0017 6063-T5

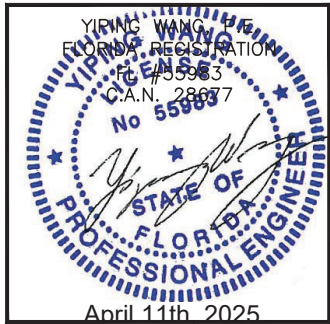


8 EPDM GASKET
EPDM



9 FRICTION HINGE
STAINLESS STEEL

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R0	04.07.2025	James	NEW APPROVAL
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PART			
Sheet No.	7 OF 10		



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GLAZING CONSULTANTS**

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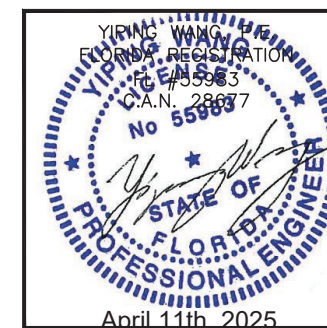
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PART

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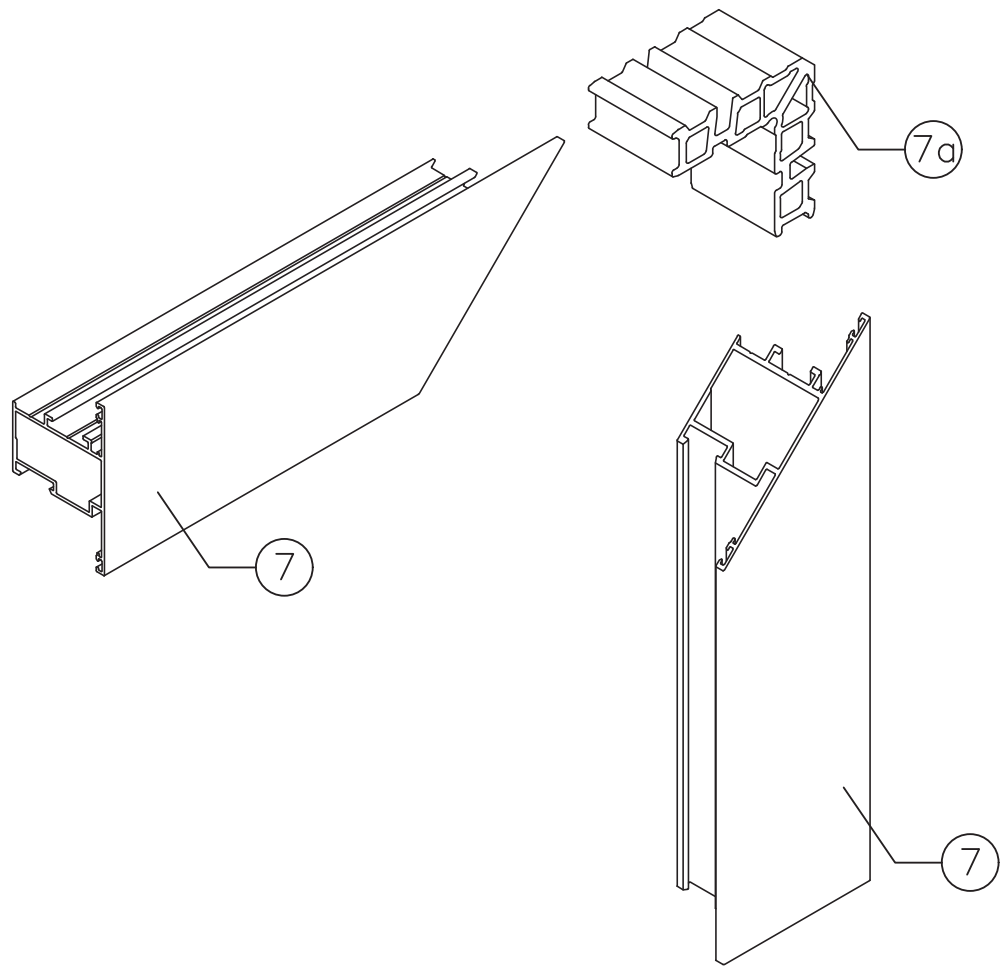
BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	MANUF./REMARKS
1	YY100-74	TRANSOM	ALUM.6063-T5	--
2	YY86-21	COVER PLATE	ALUM.6063-T5	--
3	YY100-36	SUPPORTING PROFILES	ALUM.6063-T5	--
4	YY100-73	JAMB	ALUM.6063-T5	--
5	YY150-46	SASH BEAD	ALUM.6063-T5	--
6	YY100-9	CONVERT FRAME	ALUM.6063-T5	--
6a	HP504B04	JIONT ANGLE	ALUM.6063-T5	--
7	YY86-5	SASH	ALUM.6063-T5	--
7a	JM0017	JIONT ANGLE	ALUM.6063-T5	--
8	--	EPDM GASKET	EPDM	Durometer 50±5 shore A
9	--	FRICTION HINGE	STAINLESS STEEL	KIN LONG
10	N39	TRANSFER BAR&LOCK POINTS	STAINLESS STEEL /ALUMINUM ALLOY	KIN LONG
11	ZA1-6A	LOCKS	STAINLESS STEEL	KIN LONG
12	--	PLASTIC SHIM	--	--
13	--	WEATHER SEALANT	DOWSIL 795 OR 790	DOW CORNING
14	--	STRUCTURAL SEALANT	DOWSIL 795	DOW CORNING
15	PZSW001	HANDLE	ALUMINUM ALLOY	KIN LONG
16	--	SETTING BLOCK	TPE	SHORE HARDNESS 65-80
17	YY100-3	ALUM.FEMALE COLUMN.	ALUM.6063-T6	--
18	YY100-2	ALUM.MALE COLUMN.	ALUM.6063-T6	--
19	YY100-15	ALUM.SNAP.	ALUM.6063-T5	--
20	--	EPDM GASKET	EPDM	Durometer 50±5 shore A
21	--	DIA. 3/16"×1". ASSEMBLY SCREW	STAINLESS STEEL	--

YIPING WANG
FLORIDA REGISTRATION
FC 455983
C.A.N. 28637
No 55983
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
April 11th 2025

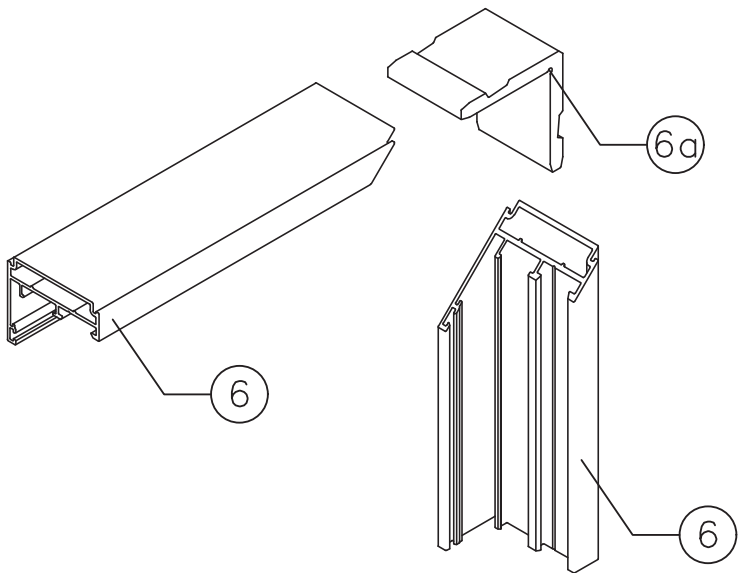
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SASH CORNER ASSEMBLY



FRAME CORNER ASSEMBLY

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