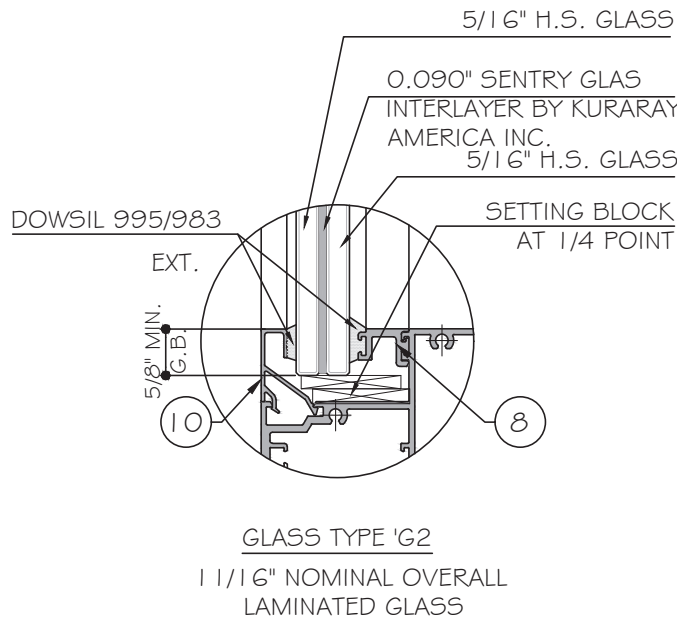
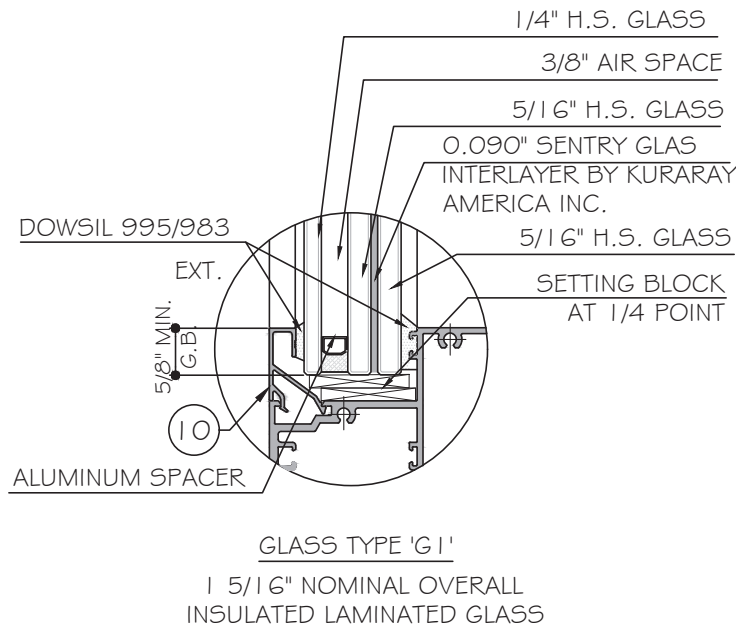


ELITE DOORS AND WINDOWS, INC.
YYI 50 STOREFRONT SYSTEMS - L.M.I.



NOTE:
GLASS COMPLIES WITH ASTM E1300-09
(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).
- STOREFRONT RATED FOR LARGE MISSILE IMPACT, SYSTEM TESTED FOR IMPACT LEVEL "D".
- STOREFRONT 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 STRUCTURAL 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.

SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICONE SEALANT.

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 ANCHOR TYPE ON SHEET D1.
SEE SHEET E1 FOR ANCHOR SPACING.
- STEP 3: THE LOWEST VALUE RESULTING FROM STEPS 2 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM.

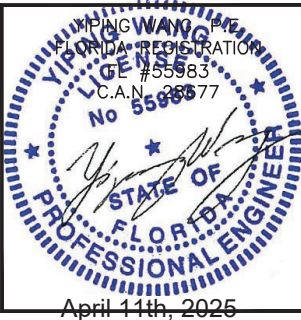
- LIMITATIONS OF USE**
- A- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
- B- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HEREIN. 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:

FL47430

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.



MCY ENGINEERING, INC.

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MIRAMAR, FL 33027 P: 305.271.0117

www.MCYEngineering.com mcy@mcyengineering.com

YYI 50 STOREFRONT SYSTEM-LMI

ELITE DOORS AND WINDOWS, INC.

4780 CORONA AVENUE, VERNON, CALIFORNIA 90058

TEL. 310 487 3334

EMAIL: Gino@elitedoorswindows.com

NEW APPLICATION	Description
James	Drawn By
04.07.2025	Date
RO	Rev. No.

Drawn Date	Drawn By
04.07.2025	James

DRAWING NO.
AD25-11

C1
Sheet No.
1 OF 6

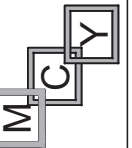


	$I_x IN^4$	$S_x IN^3$
YY150-20 ⑤	4.7849	1.5765
YY150-21 ④	5.2974	1.7940
TOTAL	10.0823	3.3218

FL47430



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TEL. 310 487 3334

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[illegible]

Drawn Date
4.07.2025

awn By
ames

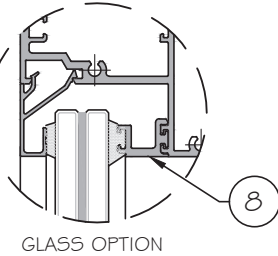
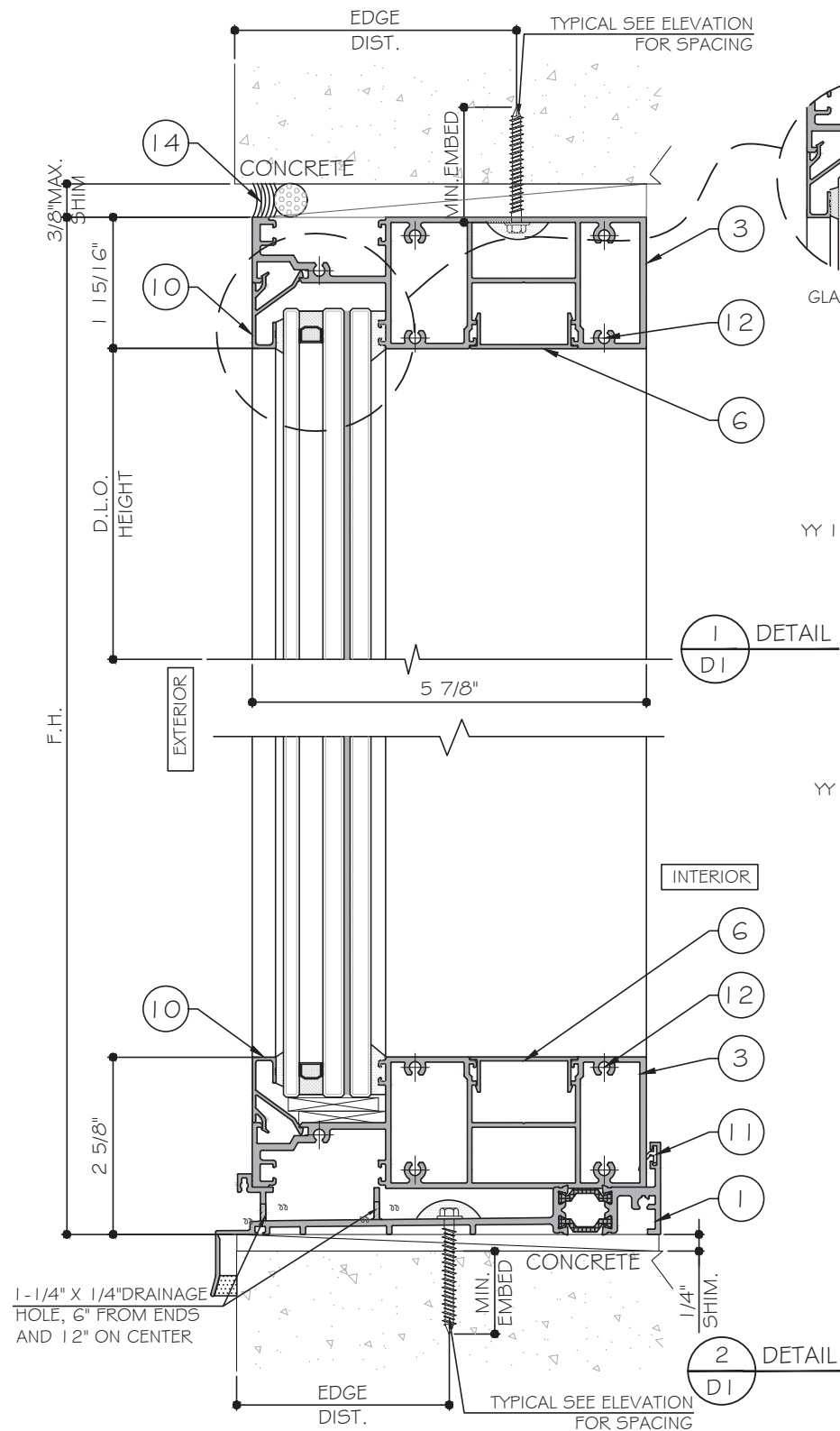
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AD25-11

E1

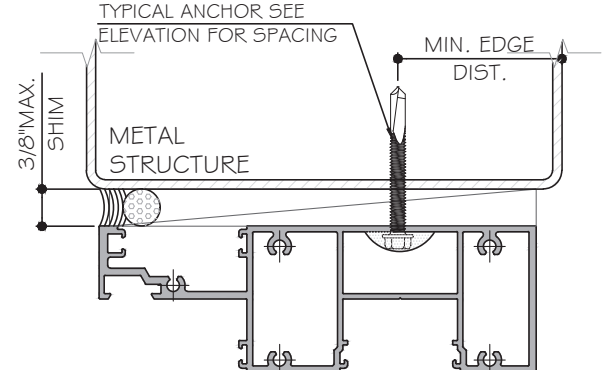
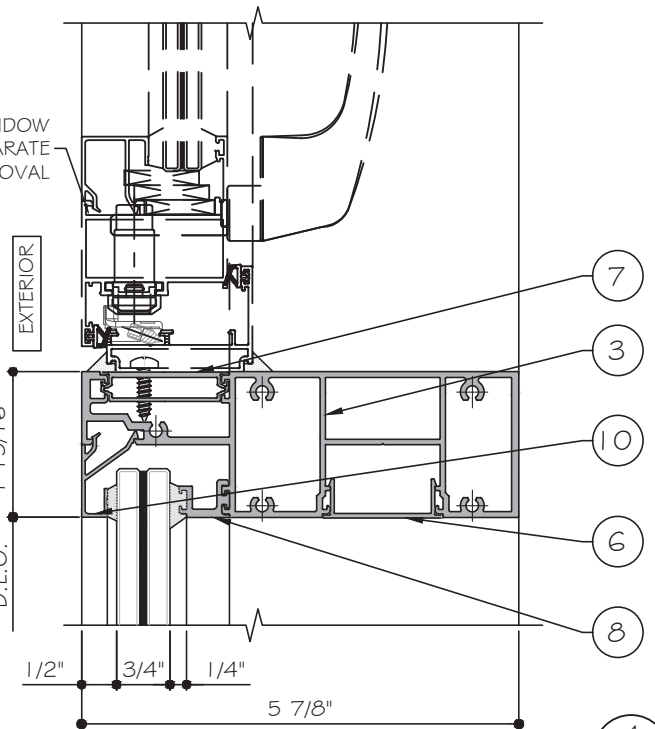
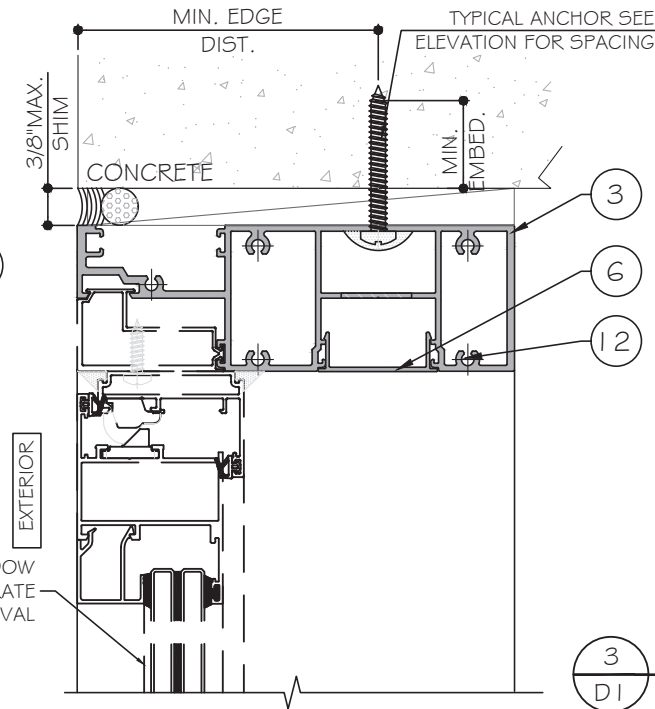
Sheet No.

2 OF 6



YY 150 PROJECT OUT WINDOW
SEE SEPARATE
FLORIDA APPROVAL

YY 150 PROJECT OUT WINDOW
SEE SEPARATE
FLORIDA APPROVAL



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.

TYPICAL ANCHOR TYPES:
SEE ELEVATIONS FOR SPACING

TYPE "A": 5/16" DIA. ULTRACON+ BY 'DEWALT' ($F_u = 177$ KSI, $F_y = 155$ KSI)
DIRECTLY INTO CONCRETE
WITH 1 3/4" MIN. EMBED INTO CONCRETE

TYPE "B": 5/16" DIA. ULTRACON+ BY 'DEWALT' ($F_u = 177$ KSI, $F_y = 155$ KSI)
INTO GROUT FILLED BLOCKS(JAMB ONLY)
WITH 1 3/4" MIN. EMBED (JAMB ONLY)

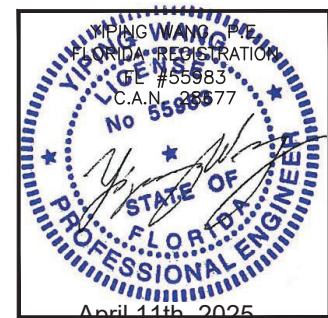
TYPE "C": 5/16" SMS OR SELF DRILLING SCREW(GRADE 5) ($F_u = 120$ KSI, $F_y = 90$ KSI)
INTO APPROVED MULLIONS
(1/8" THK. MIN.) INTO METAL STRUCTURE

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

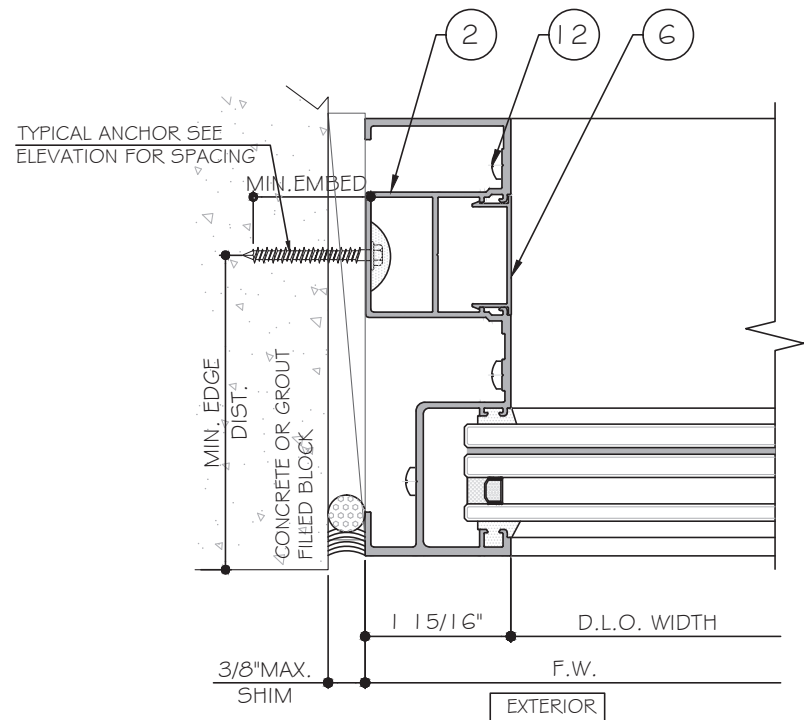
TYPICAL ANCHOR EDGE DISTANCE:
INTO CONCRETE AND MASONRY = 2 1/2" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

CONCRETE $f'_c = 3000$ psi MIN.
NORMAL STRENGTH GROUT FILLED BLOCK
(AT JAMB ONLY)

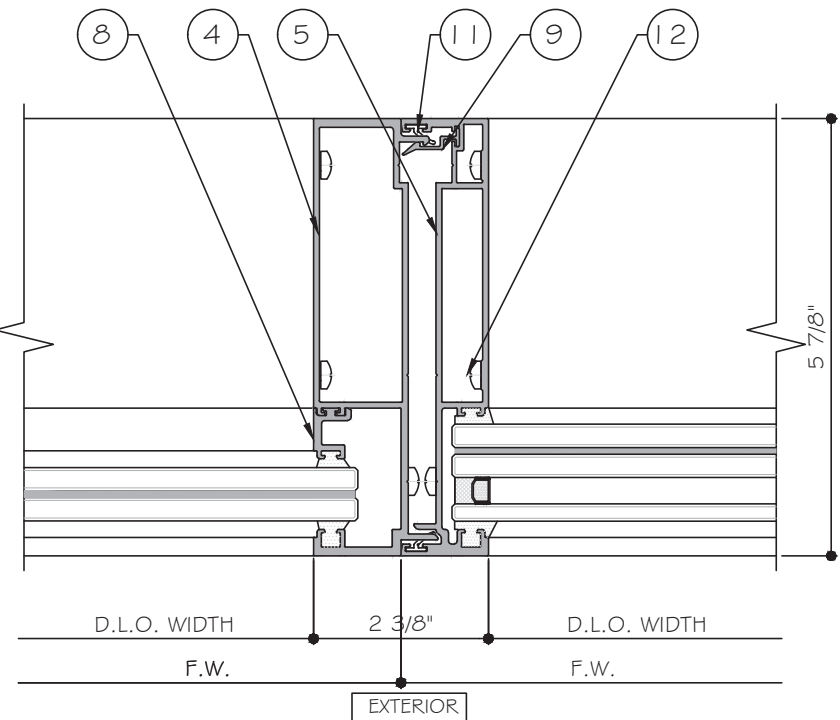
FLORIDA APPROVAL:
FL47430



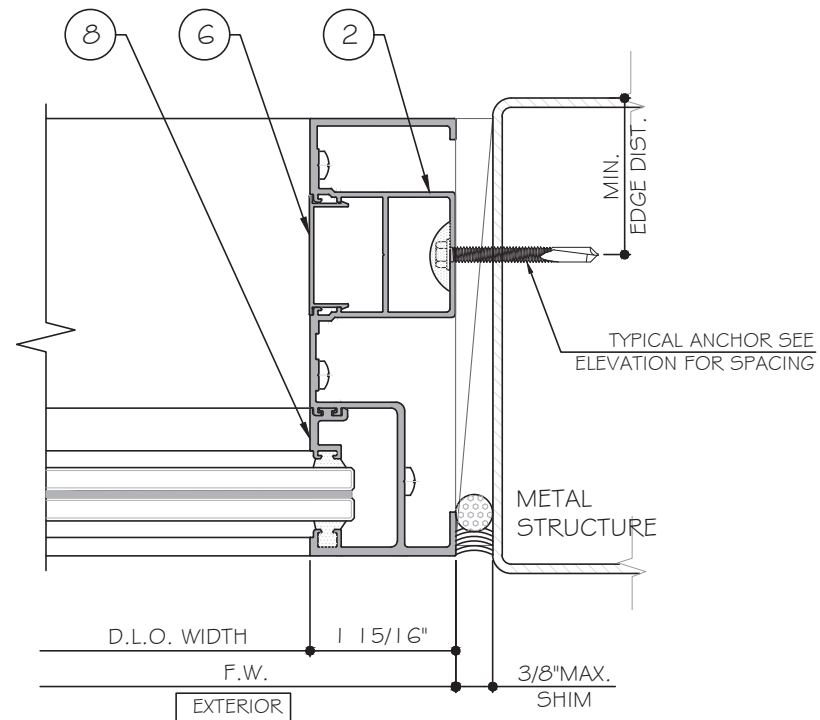
Rev. No.	Date	Drawn By	Description
R0	04.07.2025	James	NEW APPLICATION
DRAWING NO. AD25-11			
D1			
Sheet No. 3 OF 6			



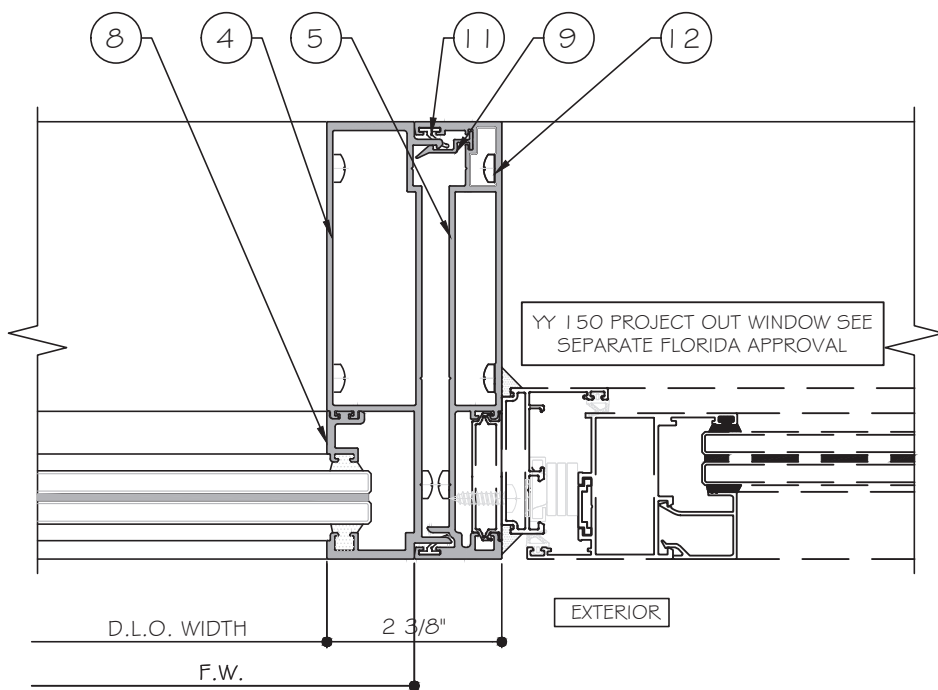
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D2
DETAIL
JAMB



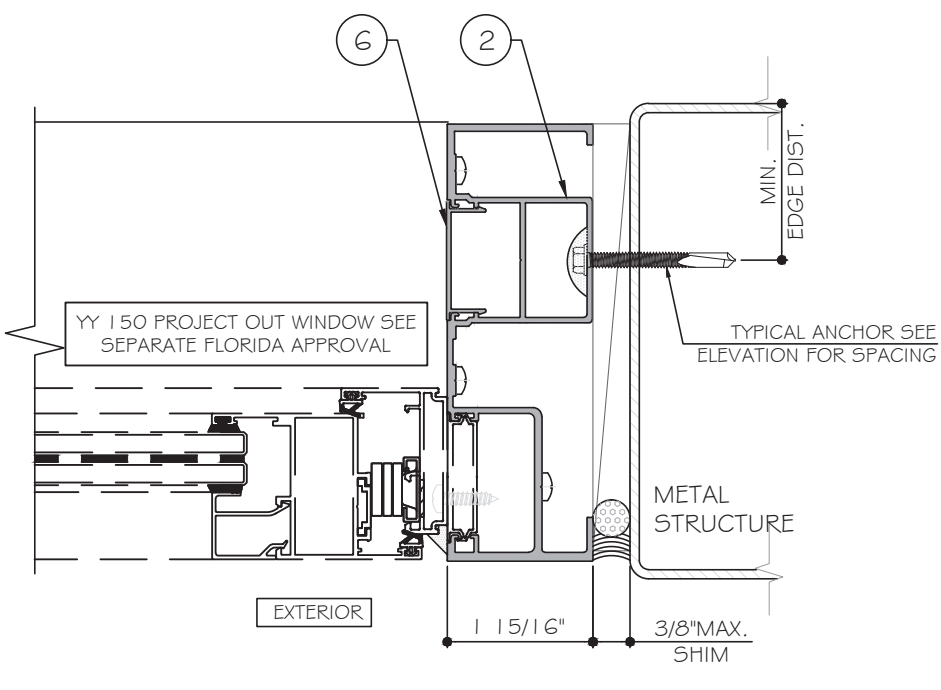
2
D2
DETAIL
EXTERIOR



3
D2
DETAIL
EXTERIOR



4
D2
DETAIL
EXTERIOR



5
D2
DETAIL
EXTERIOR

FLORIDA APPROVAL:
FL47430

YIP WANG
FLORIDA REGISTRATION
#55983
C.A.N. 28877

April 11th, 2025

MCY ENGINEERING, INC.
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12781 MIRAMAR PKWY, STE. 301
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www.MCYEngineering.com mcy@mcyengineering.com

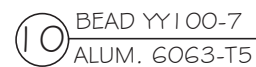
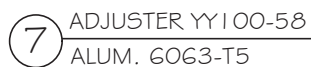
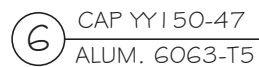
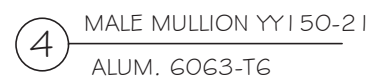
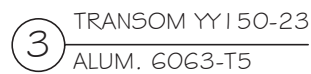
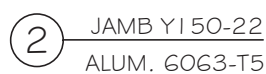
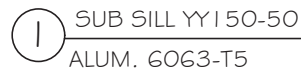
YY150 STOREFRONT SYSTEM-LMI
ELITE DOORS AND WINDOWS, INC.
4780 CORONA AVENUE, VERNON, CALIFORNIA 90058
TEL. 310 487 3334
EMAIL: Gino@elitedoorswindows.com

Rev. No.	Date	Drawn By	Description
R0	04.07.2025	James	NEW APPLICATION

DRAWING NO.
AD25-11

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Sheet No.
4 OF 6

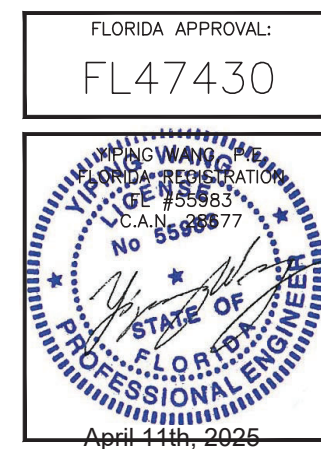
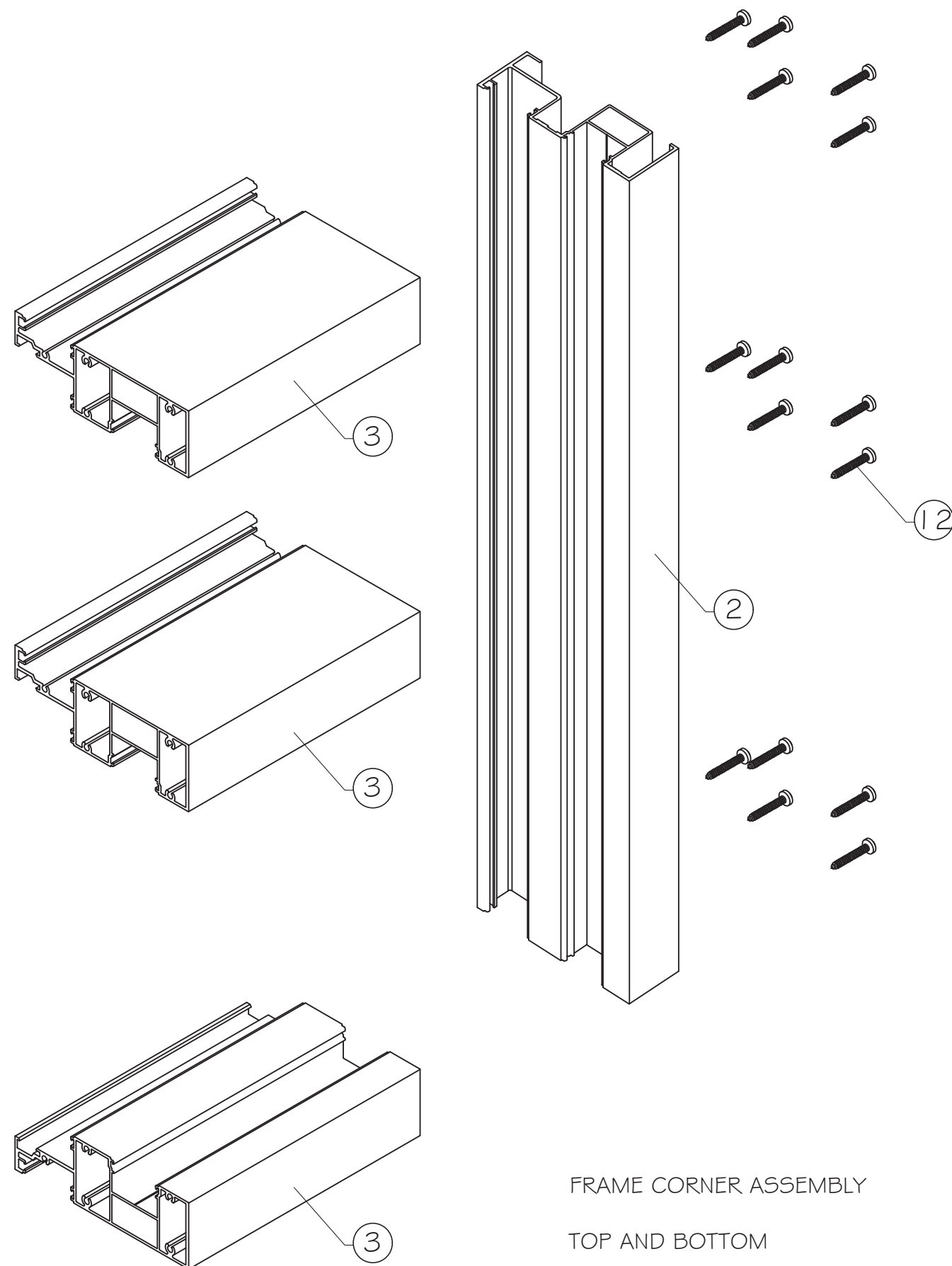
BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	MANUF. / REMARKS
1	YY150-50	SUBSILL	ALUM. 6063-T5	-
2	YY150-22	JAMB	ALUM. 6063-T5	-
3	YY150-23	HEAD	ALUM. 6063-T5	-
4	YY150-21	MALE MULLION	ALUM. 6063-T6	-
5	YY150-20	FEMALE MULLIOM	ALUM. 6063-T6	-
6	YY150-47	CAP	ALUM. 6063-T5	-
7	YY100-58	ADJUSTER	ALUM. 6063-T5	-
8	YY100-40	ADJUSTER	ALUM. 6063-T5	-
9	YY100-15	CLIP	ALUM. 6063-T5	-
10	YY100-7	BEAD	ALUM. 6063-T5	-
11	--	EPDM GASKET	EPDM	DUROMETER 70±5 SHORE A
12	--	#10 S.S. SELF-TAPPING SCREW	304	-
13	--	SETTING BLOCK	TPE	SHORE HARDNESS 65-80
14	--	WEATHER SEALANT	DOWSIL 795 OR 790	DOW CORNING
15	--	STRUCTURAL SILICONE	DOWSIL 995 OR 983	DOW CORNING



YIPING WANG P.E.
FLORIDA REGISTRATION
LICENSE #55983
C.A.N. 2877
STATE OF FLORIDA
PROFESSIONAL ENGINEER

April 11th, 2025

M C Y MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PKWY, STE. 301 MIRAMAR, FL 33027 P: 305.271.0117 www.MCYEngineering.com mcy@mcyengineering.com	YYI 50 STOREFRONT SYSTEM-LMI				ELITE DOORS AND WINDOWS, INC. 4780 CORONA AVENUE, VERNON, CALIFORNIA 90058 TEL. 310 487 3334 EMAIL: Gino@elitedoorswindows.com			
Drawn Date 04.07.2025				Drawn By James				
DRAWING NO. AD25-11								
PARTS								
Sheet No. 5 OF 6								



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