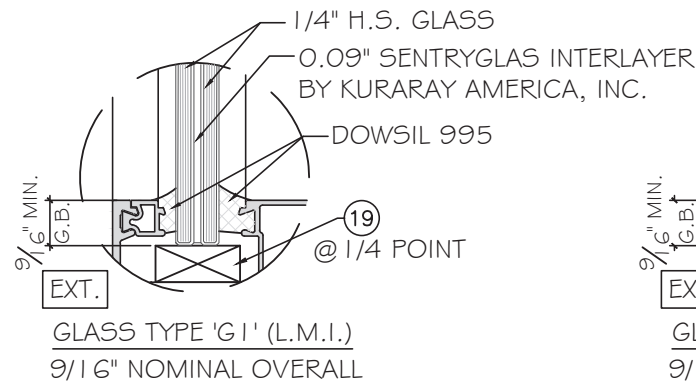
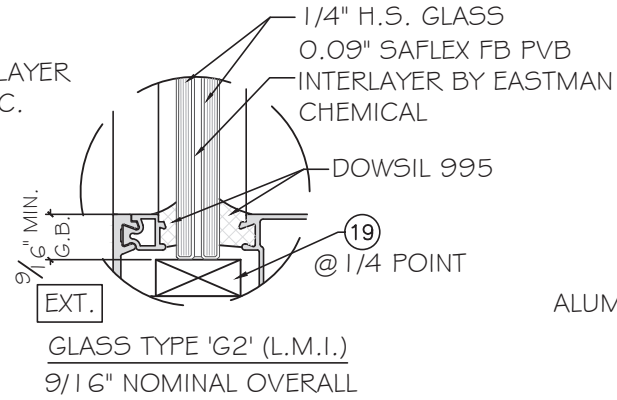


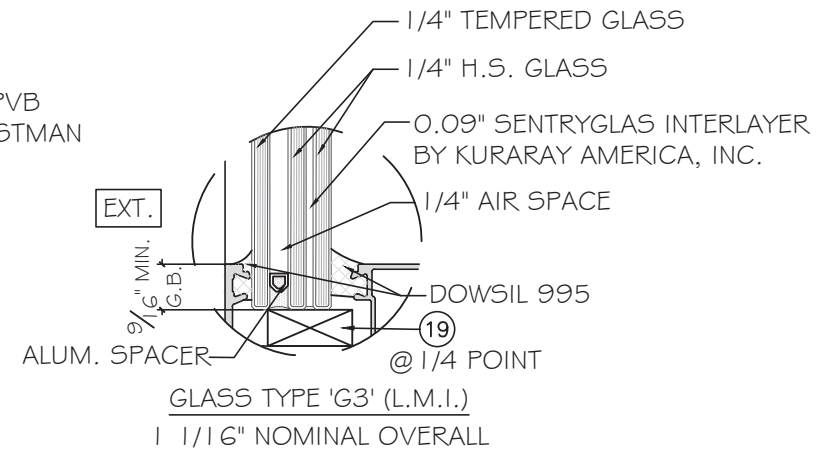
ELITE DOORS AND WINDOWS INC.
YY 150 WINDOW WALL SYSTEM - L.M.I.



MAX. D.L.O AREA	DESIGN LOAD(P _d)
49.96FT ²	±96 PSF



MAX. D.L.O AREA	DESIGN LOAD(Pd)
29.07FT ²	±65 PSF



MAX. D.L.O AREA	DESIGN LOAD(Pd)
43.47FT ²	±96 PSF

GENERAL NOTES:

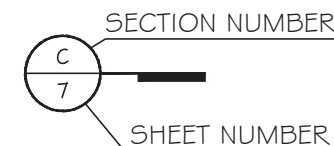
- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION FLORIDA BUILDING CODE (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- PANELS ARE RATED FOR LARGE MISSILE IMPACT. LMI SYSTEM TO BE USED FOR INSTALLATIONS UP TO 30 FT OF GRADE. FOR ABOVE 30 FT OF GRADE, SMI TO BE USED. IMPACT SHUTTERS ARE NOT REQUIRED.
- THESE PANELS 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 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 SILICON 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 OR WIND TUNNEL REPORTS.
- STEP 2: SEE SHEET E 1 AND E2 FOR TYPICAL WINDOW WALL ELEVATION.
- STEP 3: SEE SHEET A 1 FOR ANCHOR OPTIONS. SEE SHEET E 1 AND E2 FOR ANCHOR LAYOUT.
- STEP4: THE LOWEST VALUE RESULTING FROM STEPS 2 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THOUGH 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

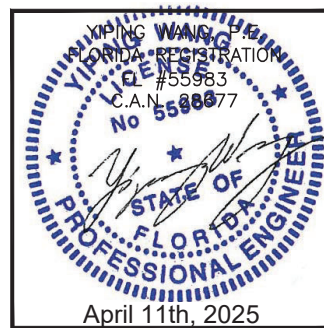


LIMITATIONS OF USE

- 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 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:

FL47440.2



				R0	04.07.2025	James	NEW APPLICATION
				Rev. No.	Date	Drawn By	Description
Drawn Date 12.08.2023		SCALE AS SHOWN					
DRAWING NO. AD25-20							
COVER							
Sheet No. 1 OF 10							

YY150 WINDOW WALL SYSTEM - L.M.I.
ELITE DOORS AND WINDOWS, INC.

TEL.310 487 3334

EMAIL: Gino@elitedoorswindows.com

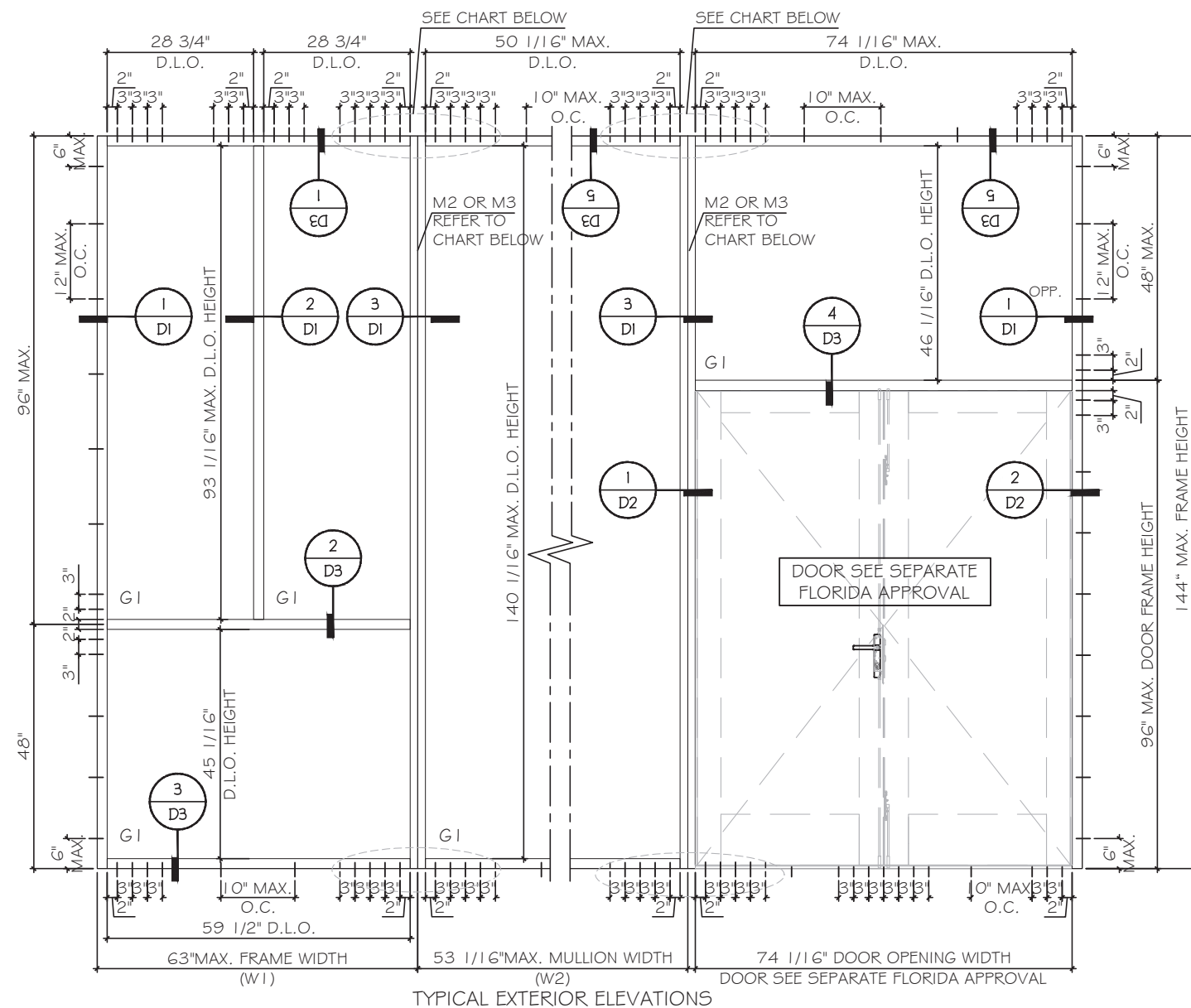
MCY ENGINEERING, INC.
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mcy@mcyengineering.com

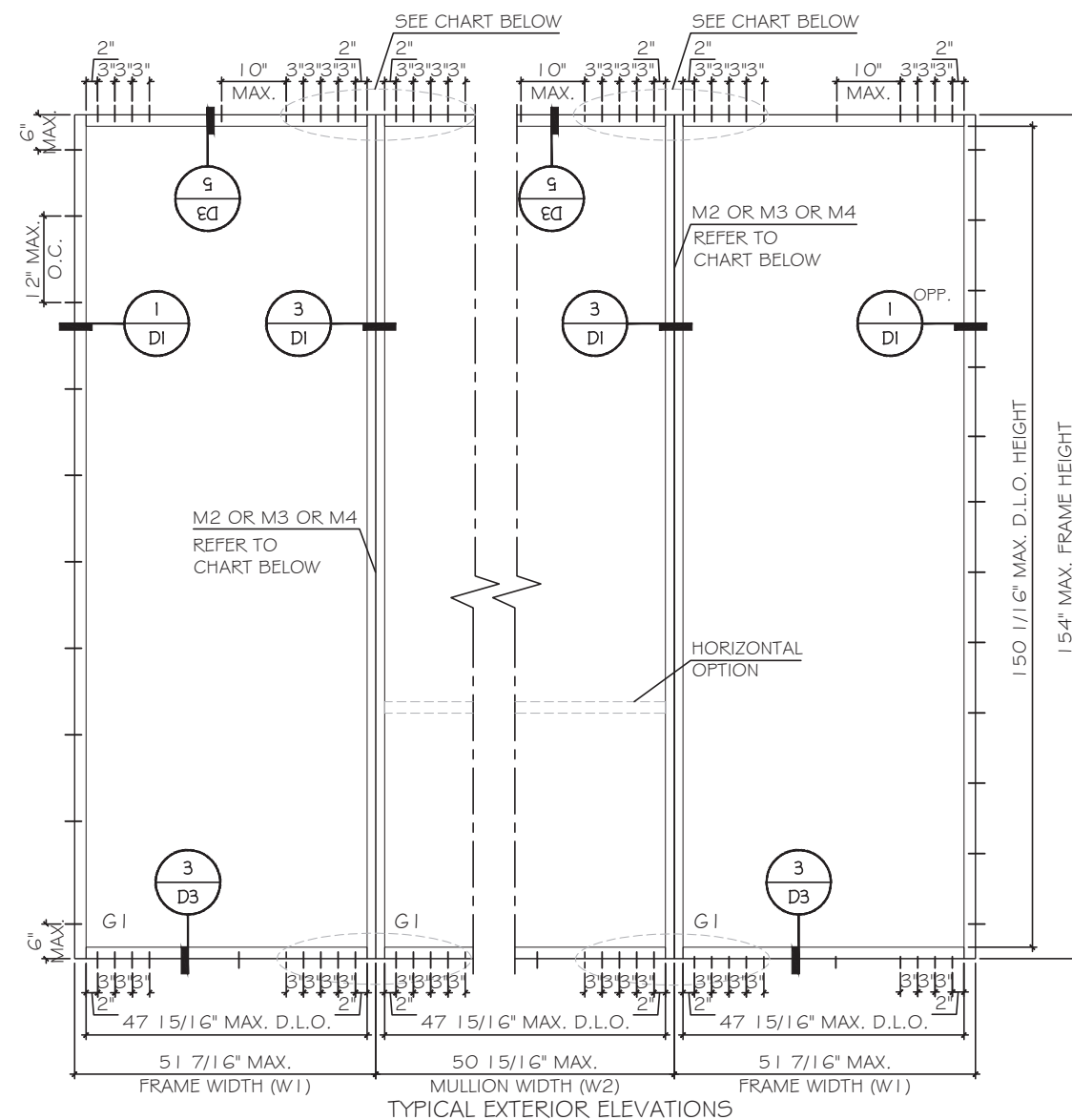


NOTE:FOR SIZES SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC.

TYPICAL MULLION CAPACITIES - PSF				
NOMIAL DIMS		WITH OR W/O HORIZ.		
WIDTH W (INCH)	FRAME HEIGHT H (INCH)	MULLION TYPE	P _{dall} (+/-) PSF	NUMBER OF ANCHORS/ SIDE OF MULLION
57.78	144	M2	84.6	4
		M3	96	5

$$\text{NOTE: } W = \frac{W_1 + W_2}{2}$$

DOOR JAMB MULLION DESIGN LOAD CAPACITIES - PSF						
SIDELITE W (INCH)	FRAME HEIGHT H. (INCH)	DOOR WIDTH (INCH)	DOOR HEIGHT (INCH)	MULLION TYPE	P _{dall} (+/-) PSF	ANCHOR @ MULLION END
53.06	144	77.5	96	M2	82.7	4
				M3	95.4	5



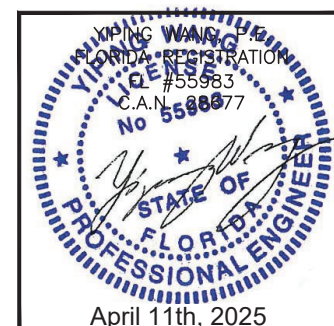
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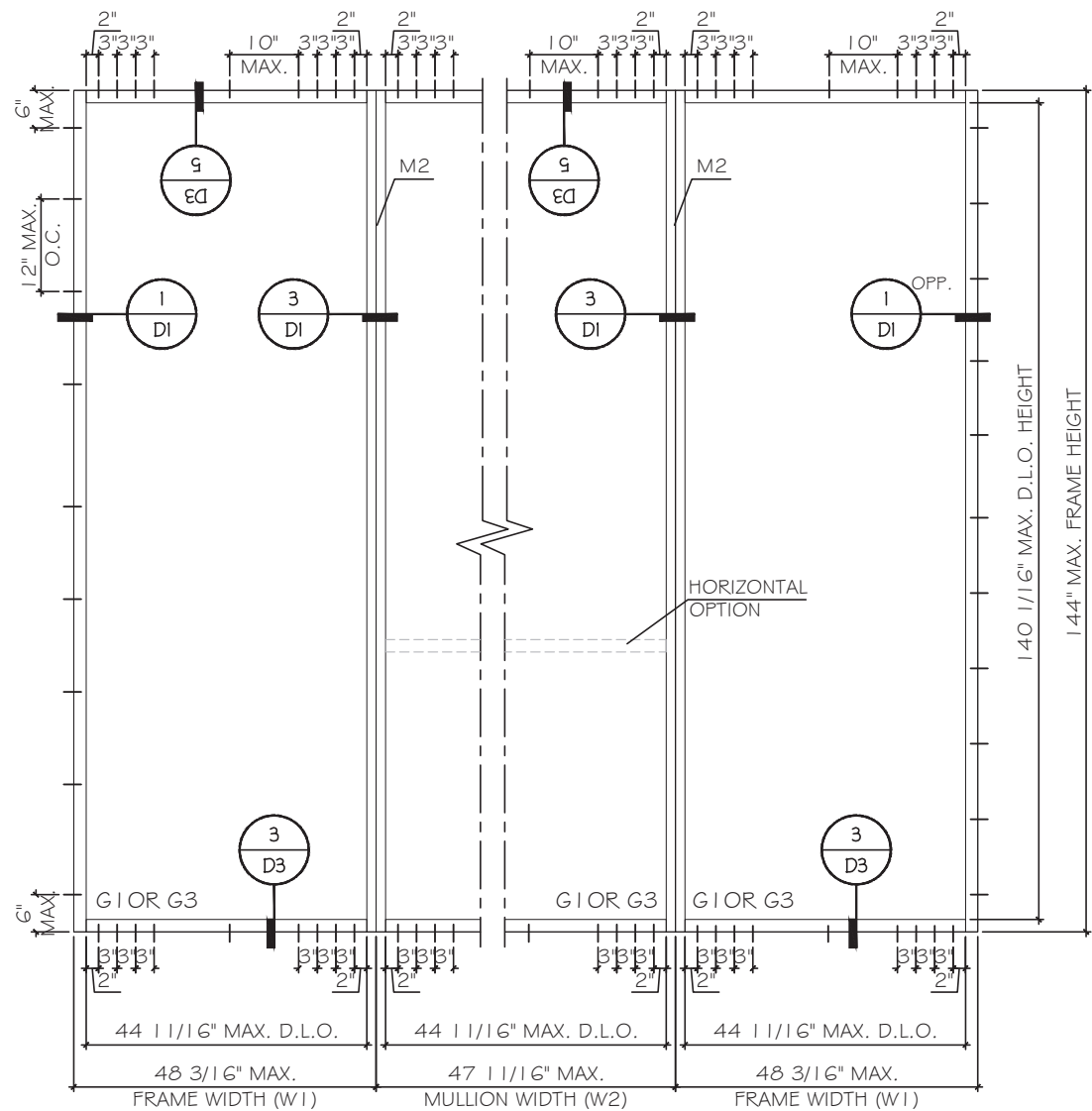
TYPICAL MULLION CAPACITIES - PSF				
NOMIAL DIMS		MULLION TYPE	W/O HORIZ. (PSF)	W/ HORIZ. (PSF)
WIDTH W (INCH)	FRAME HEIGHT H (INCH)			
50.94	154	M2	82	78.5
		M3	93.7	89.7
		M4	96	96

NOTE: $W = \frac{W1 + W2}{2}$

ANCHOR CAPACITIES - (+/-) PSF			
NOMIAL DIMS		NUMBER OF ANCHORS	
WIDTH W (INCH)	FRAME HEIGHT H (INCH)	(4)/ SIDE	(5)/ SIDE
50.94	154	88.8 PSF	96 PSF

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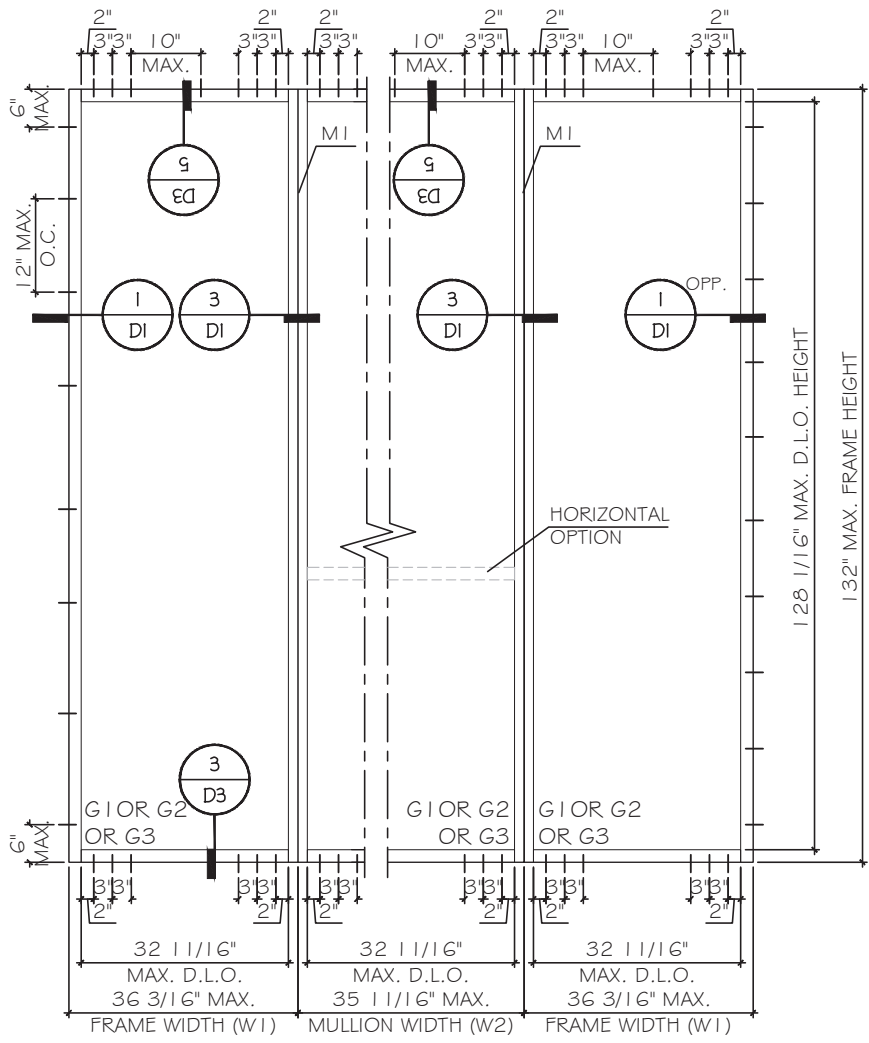


Typical exterior elevations

NOTE:FOR SIZES SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC.

MULLION CAPACITIES - PSF			
NOMIAL DIMS		Pdall (+/-) PSF	
WIDTH W (INCH)	FRAME HEIGHT H (INCH)	MULLION TYPE	WITH OR W/O HORIZ.
47.69	144	M2	96

NOTE:W= $\frac{W1 + W2}{2}$

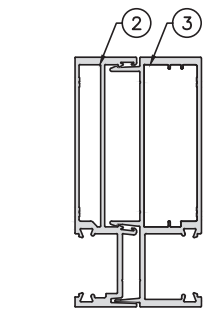


Typical exterior elevations

NOTE:FOR SIZES SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC.

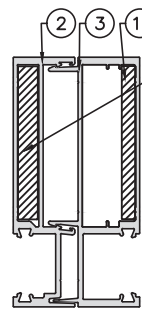
MULLION CAPACITIES - PSF			
NOMIAL DIMS		Pdall (+/-) PSF	
WIDTH W (INCH)	FRAME HEIGHT H (INCH)	MULLION TYPE	WITH OR W/O HORIZ.
36.69	132	M1	65

NOTE:W= $\frac{W1 + W2}{2}$



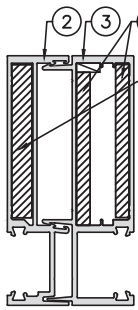
M1

	1x IN ^ 4	5x IN ^ 3
ALUM.	14.496	4.905



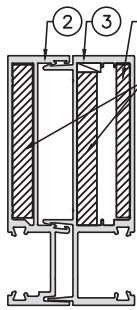
M2

	1x IN ^ 4	5x IN ^ 3
ALUM.	14.496	4.905
STL.	3.116	1.721
TOTAL (IN ALUM.)	23.534	



M3

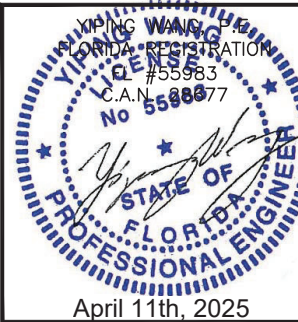
	1x IN ^ 4	5x IN ^ 3
ALUM.	14.496	4.905
STL.	4.364	2.410
TOTAL (IN ALUM.)	27.151	

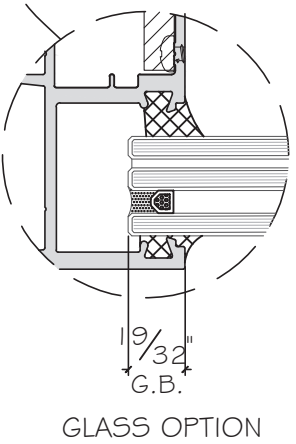


M4

	1x IN ^ 4	5x IN ^ 3
ALUM.	14.496	4.905
STL.	4.985	2.753
TOTAL (IN ALUM.)	28.954	

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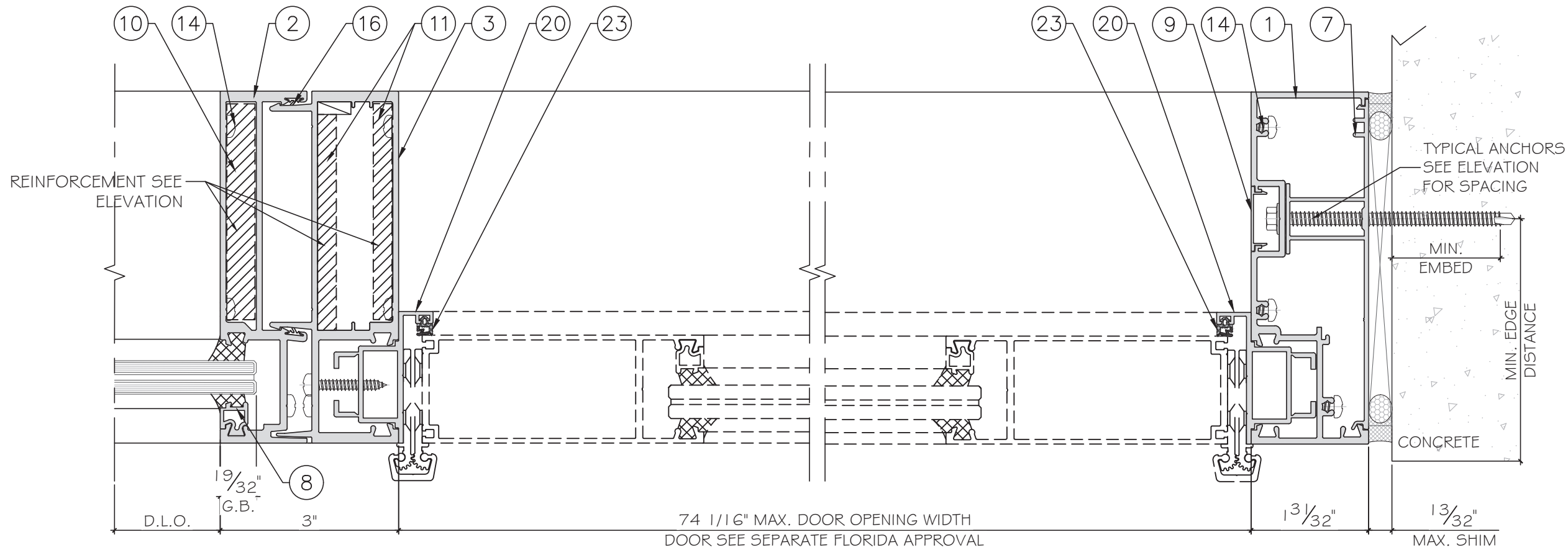


YOUNG WANG
FLORIDA REGISTRATION
#55983
C.A.N. 88377
No 55983
STATE OF FLORIDA
PROFESSIONAL ENGINEER
April 11th, 2025

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YY150 WINDOW WALL SYSTEM - L.I.M.I.
ELITE DOORS AND WINDOWS, INC.
4780 CORONA AVENUE, VERNON, CALIFORNIA 90058
TEL: 310 487 3334
EMAIL: Gino@elitedoorswindows.com

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MIRAMAR, FL 33027 P: 305 271-0117
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1
D2

DETAIL

2
D2

DETAIL

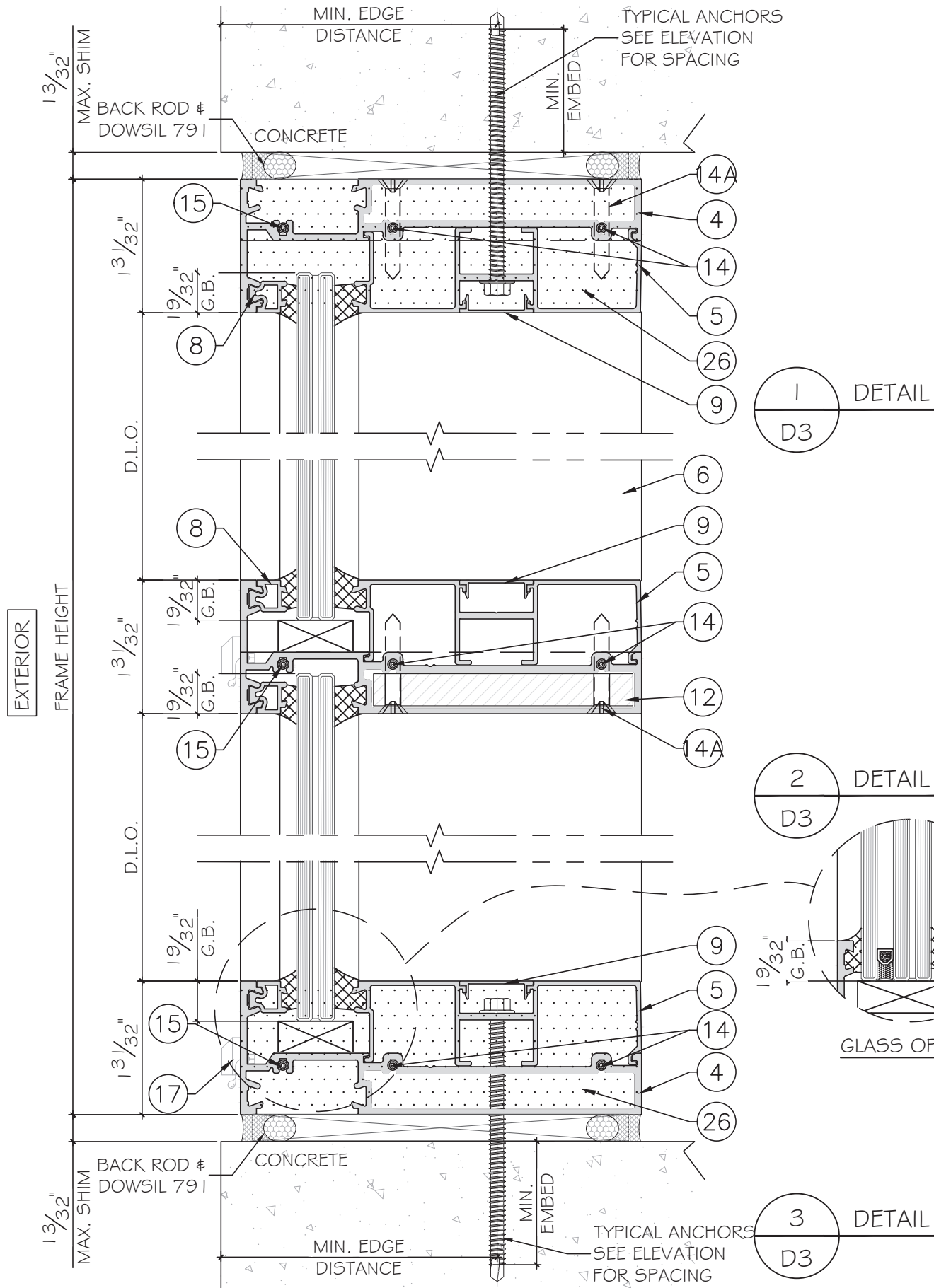
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YIPING WANG
FLORIDA REGISTRATION
#55983
C.A.N. 8877
No 55983
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
April 11th, 2025

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

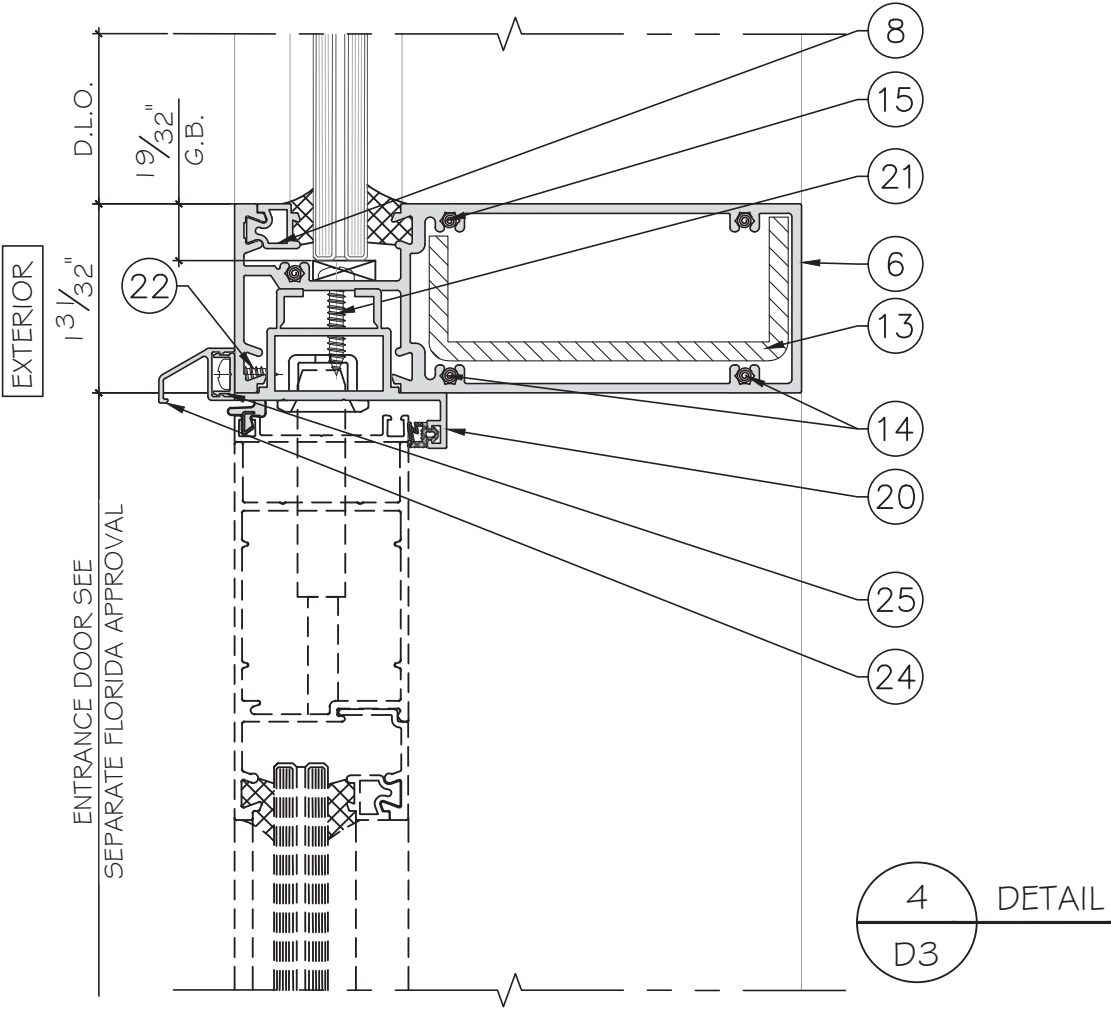
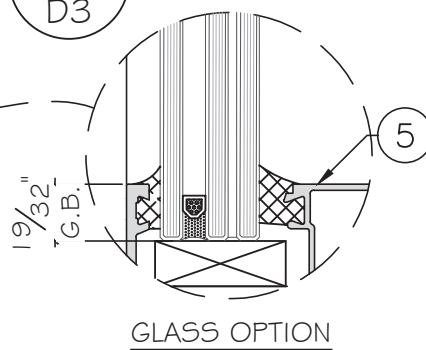
Drawn Date 12.08.2023	SCALE AS SHOWN
DRAWING NO. AD25-20	
D2	
Sheet No. 5 OF 10	



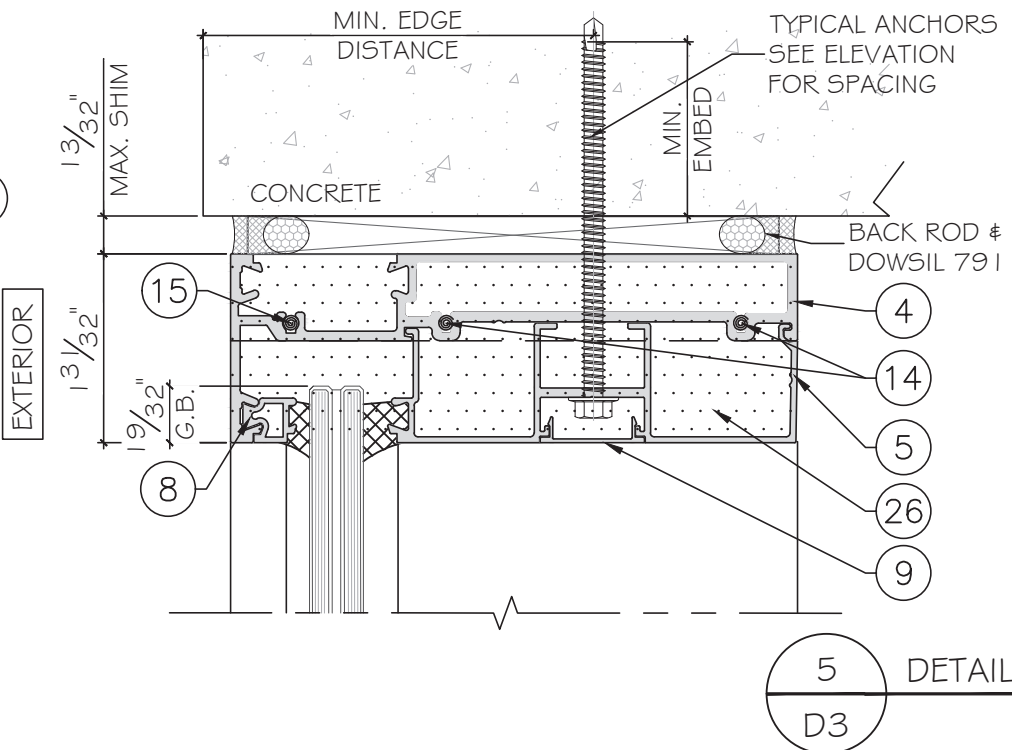
1
D3
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D3
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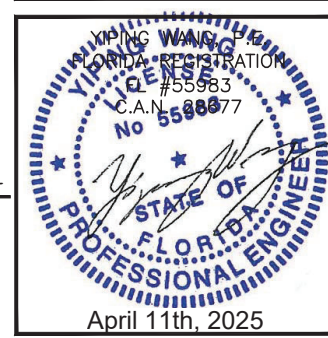


4
D3
DETAIL



5
D3
DETAIL

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

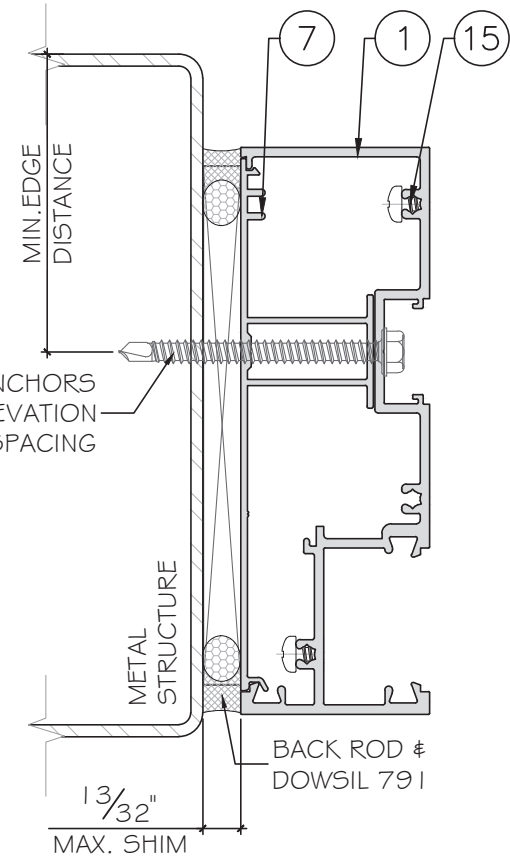
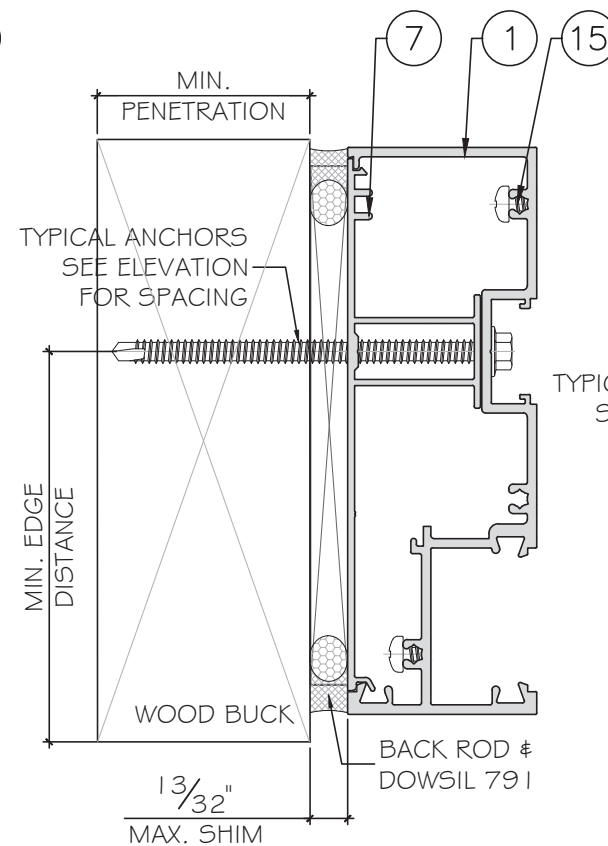
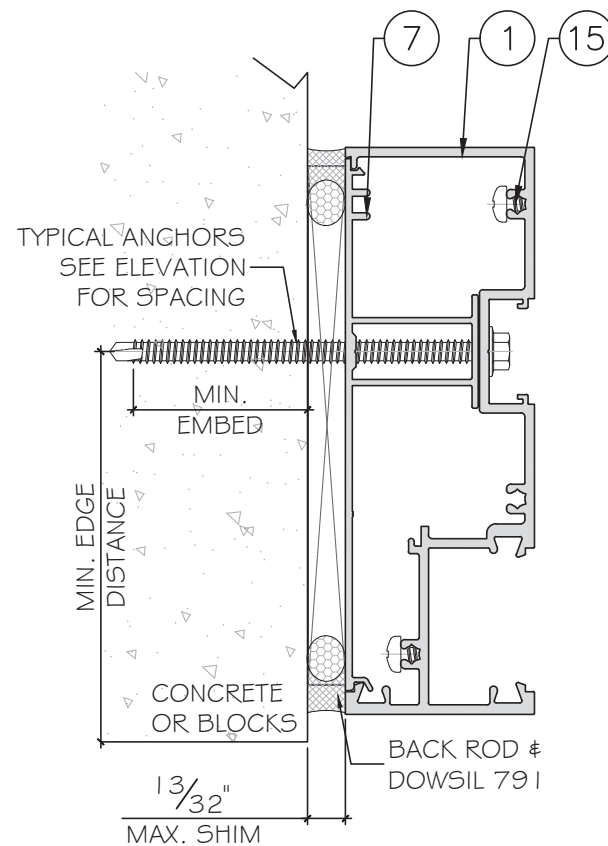
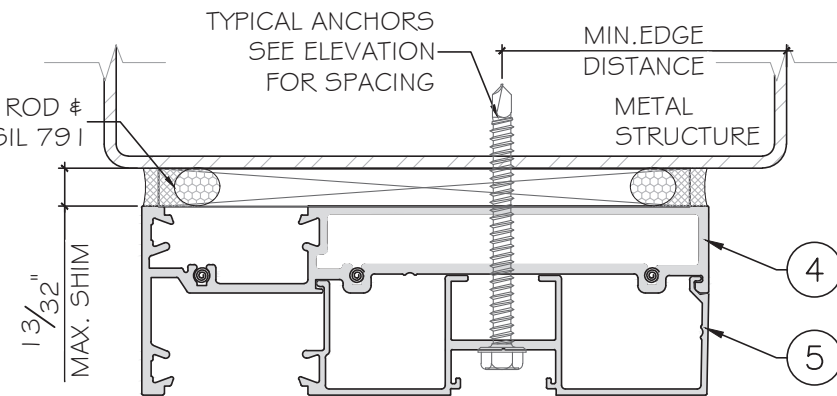
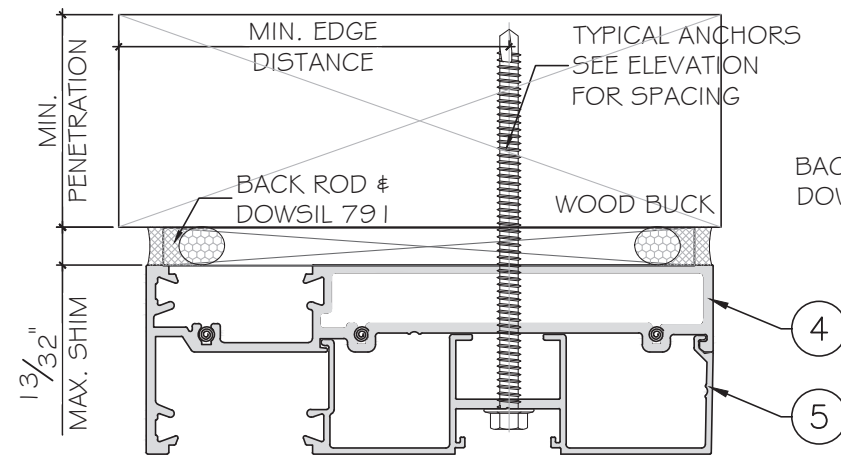
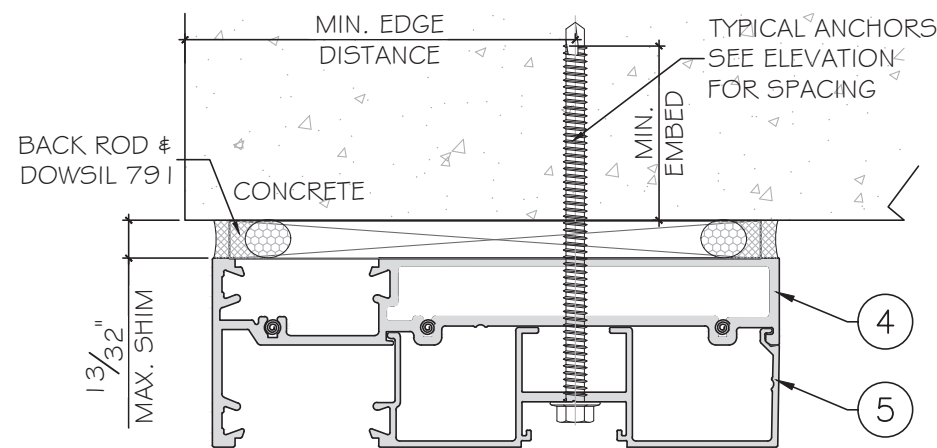
DRAWING NO.

AD25-20

D3

Sheet No.

6 OF 10



TYPICAL ANCHOR TYPES:
SEE ELEVATIONS FOR SPACING

TYPE "A": 1/4" DIA. ULTRACON+ BY 'DEWALT' (F_u=164 KSI, F_y=148 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
WITH 1 1/2" MIN. PENETRATION INTO WOOD (HEAD/ JAMB)

THRU 1BY WOOD BUCK INTO CONCRETE
WITH 1 3/4" MIN. EMBED INTO CONCRETE (HEAD/ JAMB)
WITH 1 3/4" MIN. EMBED INTO BLOCKS (JAMB ONLY)

TYPE "B": 1/4" TEKS 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 PLATED OR PANTED)

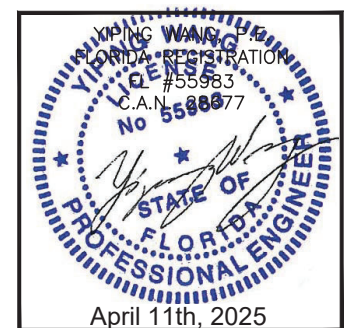
TYPICAL ANCHOR EDGE DISTANCE:
INTO CONCRETE AND MASONRY = 2 1/2" MIN.
INTO WOOD STRUCTURE = 1" MIN.
INTO METAL STRUCTURE = 3/4" MIN.

WOOD SG = 0.55 MIN.
CONCRETE f_c = 3000 PSI MIN.

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

1X OR 2X WOOD BUCKS AND METAL STRUCTURES BY OTHERS
MUST SUPPORT LOADS IMPOSED BY GLAZING SYSTEM AND
TRANSFER THEM TO THE BUILDING STRUCTURE.

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Rev. No.	Date	Drawn By	Description
RO	04.07.2025	James	NEW APPLICATION
Drawing Date 12.08.2023 SCALE AS SHOWN			
DRAWING NO. AD25-20			
A1			
Sheet No. 7 OF 10			

① FRAME SPA15001A
ALUM.6063-T6

② FEMALE MULLION SPA15002B
ALUM.6063-T6

③ MALE MULLION SPA15003A
ALUM.6063-T6

⑥ MULLION SPA15041
ALUM.6063-T6

⑦ JAMB FILLER SPA15007A
ALUM.6063-T6

④ HEAD & SILL FRAME SPA15004
ALUM.6063-T6

⑤ GLASS STOP SPA15015
ALUM.6063-T6

⑬ REINFORCING
STEEL

⑧ LAM. GLASS POCKET
SPA10016
ALUM.6063-T5

⑨ COVER SPA13006
ALUM.6063-T5

⑳ DOOR ADAPTOR SPA10013A
ALUM.6063-T6

㉔ CORNICE
JNSP10006
ALUM.6063-T5

㉕ CORNICE
JNSP10006
ALUM.6063-T5

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YIPING WANG

FLORIDA REGISTRATION

755983

C.A.N. 8877

No 55883

STATE OF FLORIDA

PROFESSIONAL ENGINEER

April 11th, 2025

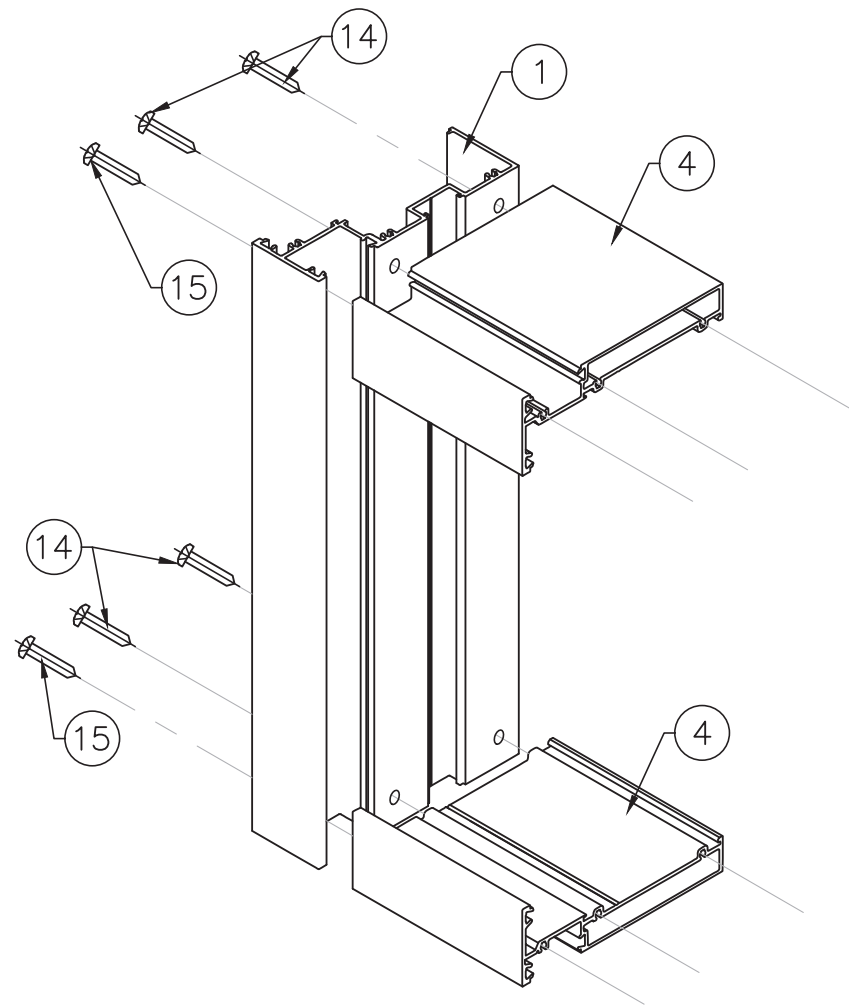
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DRAWING NO.	AD25-20		
PARTS	Sheet No.		
8 OF 10			

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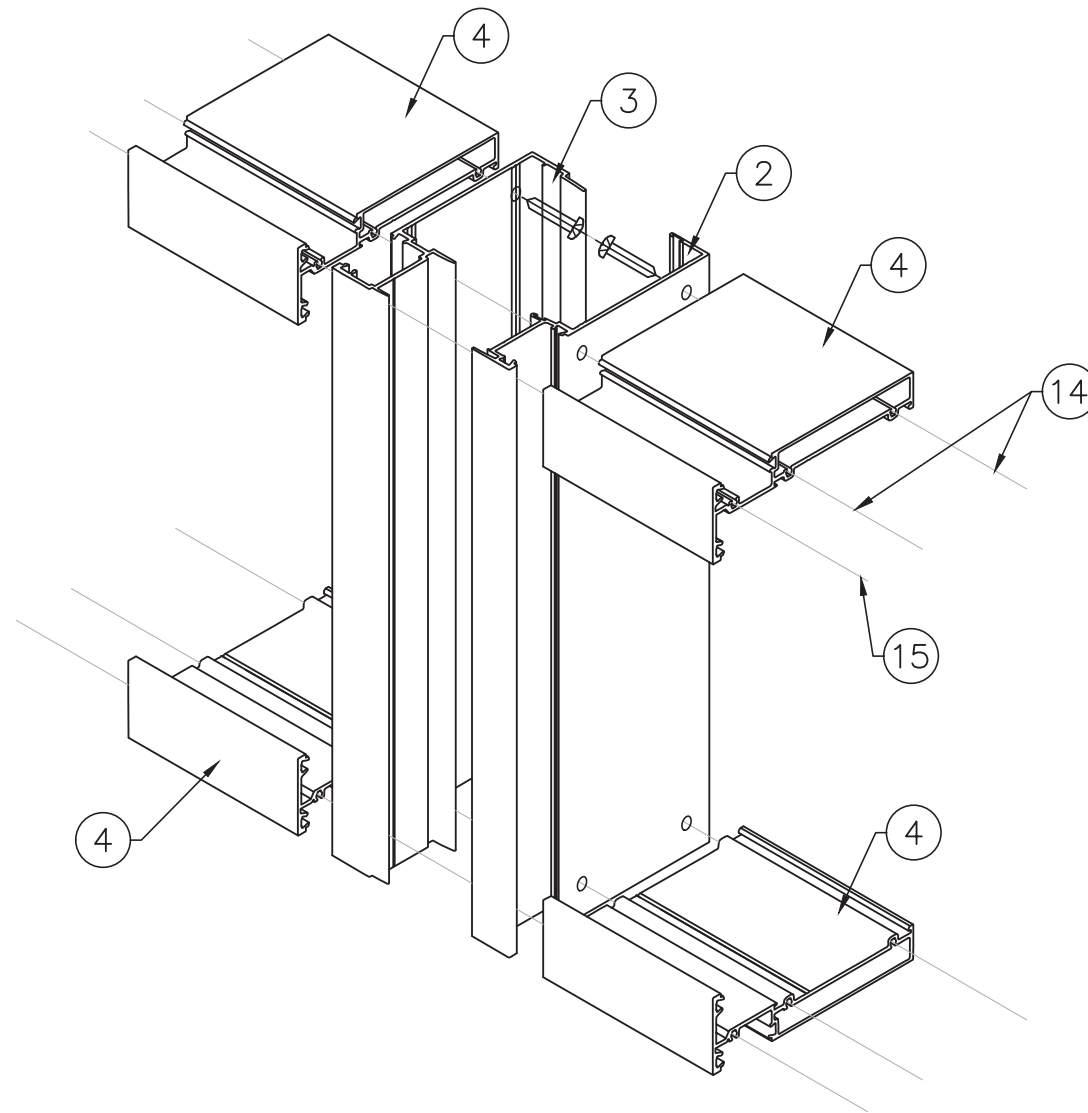
BILL OF MATERIALS			
ITEM	PART	DESCRIPTION	MATERIAL
1	SPA15001A	JAMB	ALUM. 6063-T6
2	SPA15002B	FEMALE MULLION	ALUM. 6063-T6
3	SPA15003A	MALE MULLION	ALUM. 6063-T6
4	SPA15004	HEAD / SILL / INTERMEDIATE HORIZONTAL	ALUM. 6063-T6
5	SPA15005	GLASS STOP	ALUM. 6063-T6
6	SPA15041	MULLION	ALUM. 6063-T6
7	SPA15007A	JAMB FILLER	ALUM. 6063-T6
8	SPA10017	LAM. GLASS POCKET	ALUM. 6063-T5
9	SPA13006	COVER	ALUM. 6063-T5
10	-	REINFORCING BAR, 3.62" X 0.47"	STEEL
11	-	REINFORCING BAR, 3.62" X 0.31"	STEEL
12	-	REINFORCING BAR, 3.82" X 0.47"	STEEL
13	-	REINFORCING BAR, 3.74" X 1.50" X 0.20"	STEEL
14	-	FRAME ASSEMBLY PAN HEAD SCREWS #12 X 1 1/4"	410 STAINLESS STEEL
14A	-	FRAME ASSEMBLY COUNTERSUNK HEAD SCREWS #12 X 1 3/4"	410 STAINLESS STEEL
15	-	FRAME ASSEMBLY PAN HEAD SCREWS #12 X 2 3/8"	410 STAINLESS STEEL
16	SBWG-26162	EPDM GASKET, ADUROMETER 70±5 SHORE A	EPDM
17	WHCO1	WEEP HOLE COVER	PVC
18	-	DOWSIL 995, STRUCTURAL SILICONE	SILICONE
19	-	SETTING BLOCK, 1 5/32" X 1". ADUROMETER 80±5 SHORE A.	EPDM
20	SPA10013A	DOOR ADAPTOR	ALUM. 6063-T6
21		FRAME ASSEMBLY SCREWS DIA.3/16" X 3 1/32"	410 STAINLESS STEEL
22		FRAME ASSEMBLY SCREWS DIA.5/32" X 1/2"	410 STAINLESS STEEL
23	SBWG-001	EPDM GASKET, ADUROMETER 70±5 SHORE A	EPDM
24	JNSP10006	CORNICE	ALUM. 6063-T5
25	JNSP10005	CLIP	ALUM. 6063-T5
26	SPA15001W	FRAME JOINT GASKET	3M

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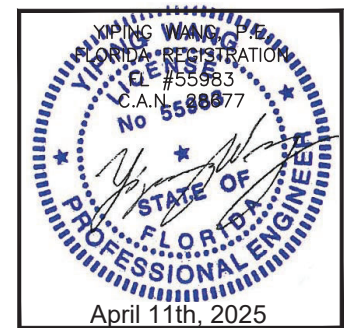


JAMB CORNER ASSEMBLY



MULLION TO HORIZONTAL ASSEMBLY

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ASSEMBLY	
Sheet No. 10 OF 10	