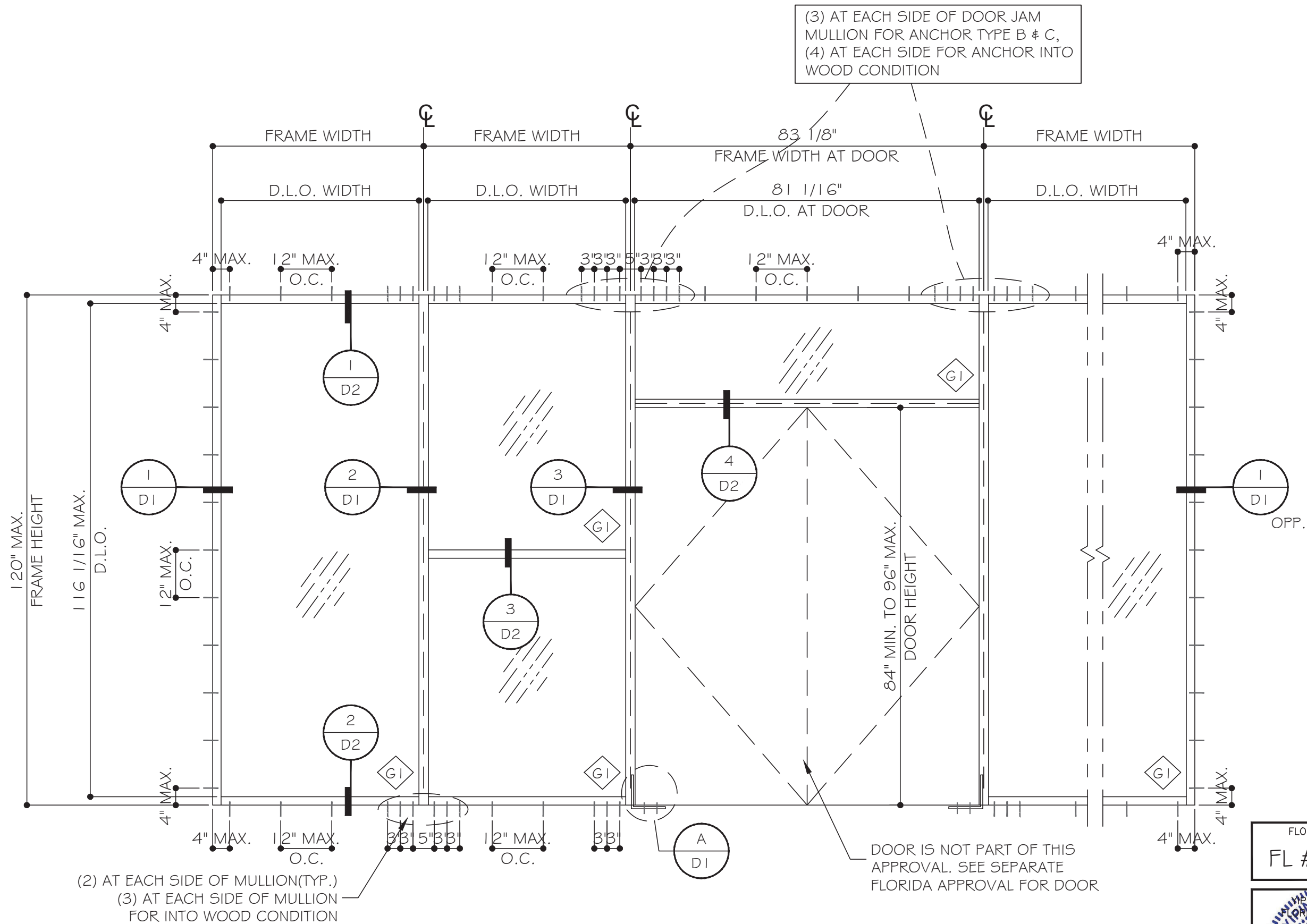




(2) AT EACH SIDE OF MULLION(TYP.)
(3) AT EACH SIDE OF MULLION
FOR INTO WOOD CONDITION

(3) AT EACH SIDE OF DOOR JAM
MULLION FOR ANCHOR TYPE B & C,
(4) AT EACH SIDE FOR ANCHOR INTO
WOOD CONDITION

DOOR IS NOT PART OF THIS
APPROVAL. SEE SEPARATE
FLORIDA APPROVAL FOR DOOR

TYPICAL EXTERIOR ELEVATIONS
SEE SHEET M1 , M2 FOR MULLION SIZE & CAPACITIES

FLORIDA APPROVAL:
FL # 41538

December 12th, 2023

MCY

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027
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www.MCYEngineering.com

YY150 WINDOW WALL SYSTEM - L.M.I.
SHANGHAI YY WINDOWS CO.,LTD
NO.9300 Hunan high way, PUDONG NEW AREA,SHANGHAI CHINA
TEL:+86 189 1616 7018
EMAIL: ywome@yyconstruction.com

Rev. No.	Date	Drawn By	Description
R2	12.08.2023	James	FBC 2023

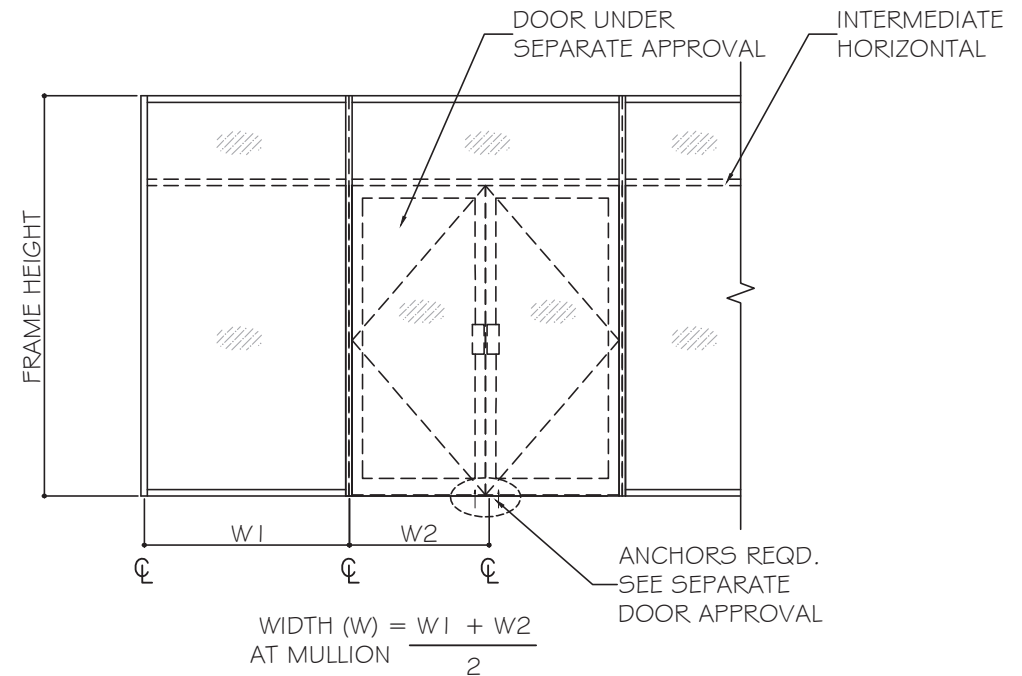
Drawn Date: 12.08.2023
Drawn By: James

DRAWING NO.
AD22-16

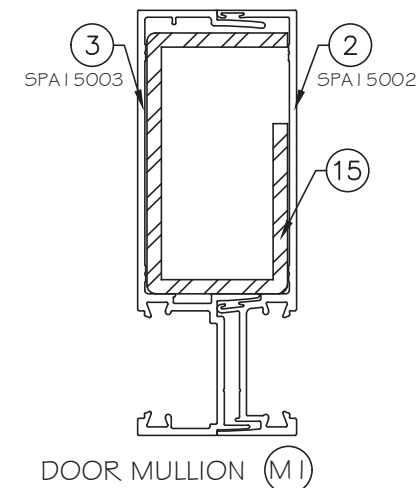
E1
Sheet No.
2 OF 9

DOOR JAMB MULLION DESIGN LOAD CAPACITY - PSF						
WINDOW PANEL DIMENSION				DESIGN LOAD		
FRAME HEIGHT(IN) (L)	DOOR HEIGHT(IN) (A)	DOOR WIDTH(IN) (W1)	SIDELITE WIDTH(IN) (W2)	EXT. (+)	INT. (-)	
118	84	72	42	70.0	70.0	
			48	70.0	70.0	
			54	67.0	67.0	
			60	64.0	64.0	
		78	42	70.0	70.0	
			48	68.0	68.0	
			54	65.0	65.0	
		84	42	69.0	69.0	
			48	65.0	65.0	
			54	62.0	62.0	
		90	72	42	70.0	70.0
				48	70.0	70.0
	54			70.0	70.0	
	60			66.0	66.0	
	78		42	70.0	70.0	
			48	70.0	70.0	
			54	67.0	67.0	
	84		42	70.0	70.0	
			48	68.0	68.0	
	96		72	42	70.0	70.0
				48	70.0	70.0
		54		70.0	70.0	
		60		67.0	67.0	
78		42	70.0	70.0		
		48	70.0	70.0		
		54	69.0	69.0		
84		42	70.0	70.0		
	48	70.0	70.0			

DOOR JAMB MULLION DESIGN LOAD CAPACITY - PSF						
WINDOW PANEL DIMENSION				DESIGN LOAD		
FRAME HEIGHT(IN) (L)	DOOR HEIGHT(IN) (A)	DOOR WIDTH(IN) (W1)	SIDELITE WIDTH(IN) (W2)	EXT. (+)	INT. (-)	
120	84	72	42	70.0	70.0	
			48	68.0	68.0	
			54	65.0	65.0	
			60	61.0	61.0	
		78	42	69.0	69.0	
			48	65.0	65.0	
			54	62.0	62.0	
		84	42	66.0	66.0	
			48	62.0	62.0	
		90	72	42	70.0	70.0
				48	70.0	70.0
				54	67.0	67.0
	60			63.0	63.0	
	78		42	70.0	70.0	
			48	68.0	68.0	
			54	64.0	64.0	
	84		42	69.0	69.0	
			48	65.0	65.0	
	96		72	42	70.0	70.0
				48	70.0	70.0
				54	69.0	69.0
		60		66.0	66.0	
		78	42	70.0	70.0	
			48	70.0	70.0	
54			67.0	67.0		
84		42	70.0	70.0		
	48	68.0	68.0			



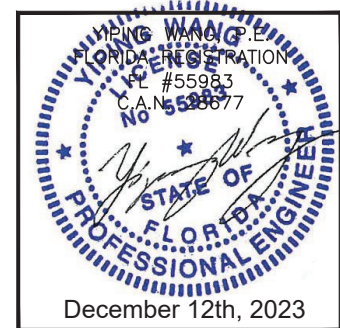
NOTE: ANCHOR AT DOOR JAMB
MULLION SEE SHEET E I



M2	$\sum x$	$\sum x^2$
SPA15002	3.6019	1.1049
SPA15003	4.6391	1.4655
STEEL	3.0362	1.5711
TOTAL	17.046	

$$lx.tot = lx.Alum. + 2.9 * lx.STL$$

FLORIDA APPROVAL:
FL # 41538



 MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PARKWAY #301 MIRAMAR, FL 33027 P: 305-271-0117 www.MCYEngineering.com mcy@mcyengineering.com					
YY150 WINDOW WALL SYSTEM - L.M.I.					
SHANGHAI YY WINDOWS CO.,LTD					
NO.9300 Hunan high way, PUDONG NEW AREA, SHANGHAI CHINA					
TEL.+86 189 1616 7018					
EMAIL: yyome@yyconstruction.com					
				FBC 2023	
R2	12.08.2023	James			
Rev. No.	Date	Drawn By	Description		
Drawn Date 12.08.2023		Drawn By James			
DRAWING NO. AD22-16					
M2					
Sheet No. 4 OF 9					

TYPICAL ANCHOR TYPES:
SEE ELEVATIONS FOR SPACING

TYPE "A": 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu= 164 KSI, Fy= 148 KSI)
 INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
 WITH 1 3/4" MIN. PENETRATION INTO WOOD

THRU 1 BY OR 2BY WOOD BUCKS INTO CONCRETE
WITH 1 3/4" MIN. EMBED INTO CONCRETE

TYPE "B": 1/4" DIA. ULTRACON+ BY 'DEWALT' (Fu= 164 KSI, Fy= 148 KSI)
DIRECTLY INTO CONCRETE
 WITH 1 3/4" MIN. EMBED INTO CONCRETE

INTO HOLLOW BLOCK(JAMB ONLY)
WITH 1 1/4" MIN. EMBED

INTO GROUT FILLED BLOCKS(JAMB ONLY)
WITH 1 3/4" MIN. EMBED

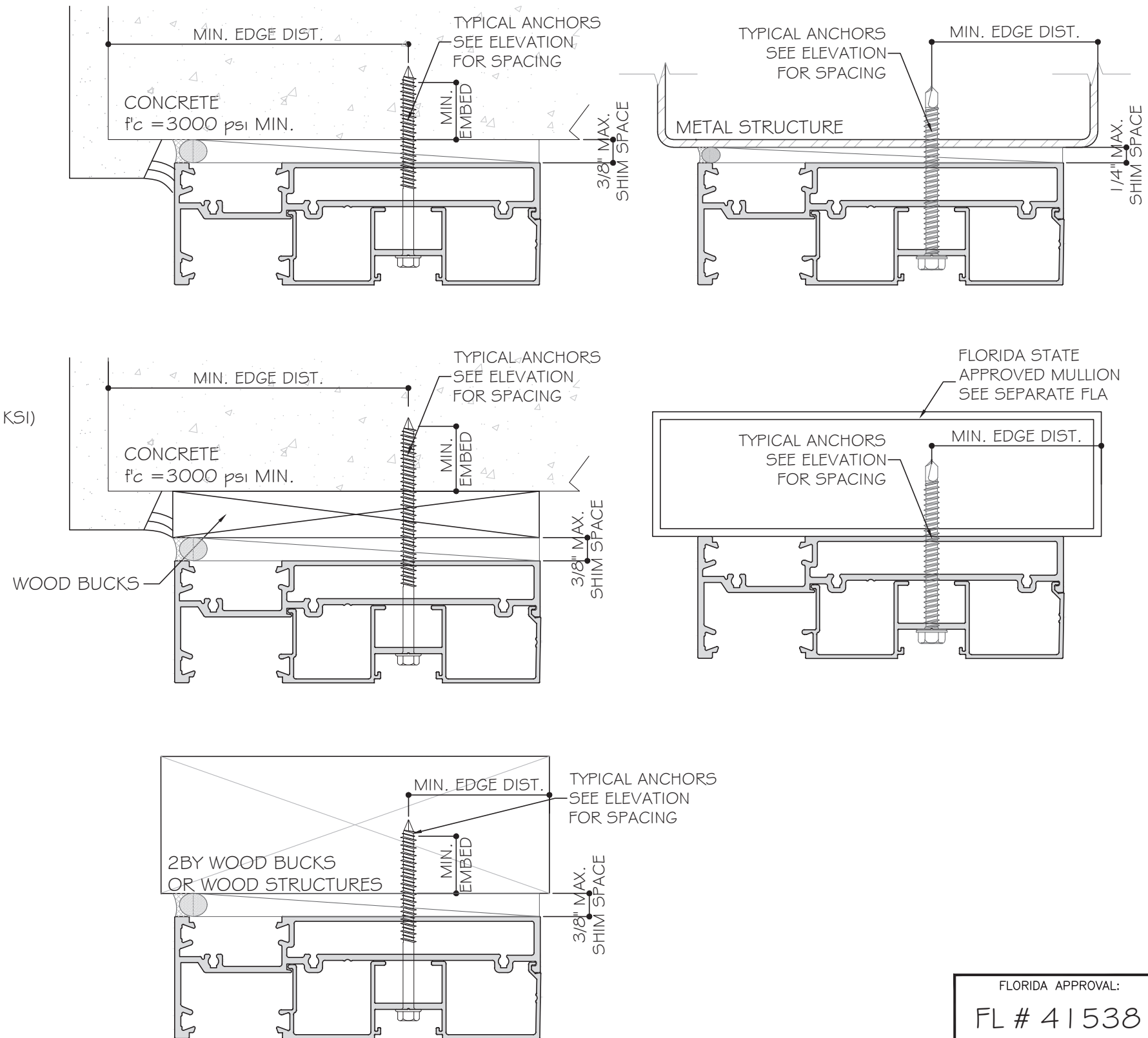
TYPE "C": 1/4" SMS OR SELF DRILLING SCREW(GRADE 5) ($F_u=120$ KSI, $F_y=90$ KSI)
INTO APPROVED MULLIONS
 (1/8" THK. MIN.) INTO METAL STRUCTURE

STEEL: 1/2 GA. MIN. (Fy=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 WOOD STRUCTURE = 1" MIN.
 INTO METAL STRUCTURE = 3/4" MIN.

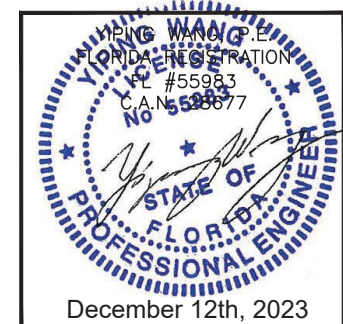
WOOD SG = 0.55 MIN.
CONCRETE f'_c = 3000 psi MIN.
C-90 HOLLOW/FILLED BLOCK f'_m = 2000 psi MIN.
NORMAL STRENGTH CMU(AT JAMB ONLY)

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

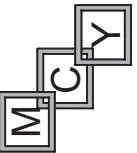


1X OR 2X WOOD BUCKS AND METAL STRUCTURES NOT BY SHANGHAI
SUPERHOUSE BUILDING MATERIAL MUST SUPPORT LOADS IMPOSED
BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING
STRUCTURE.

FLORIDA APPROVAL:
FL # 41538



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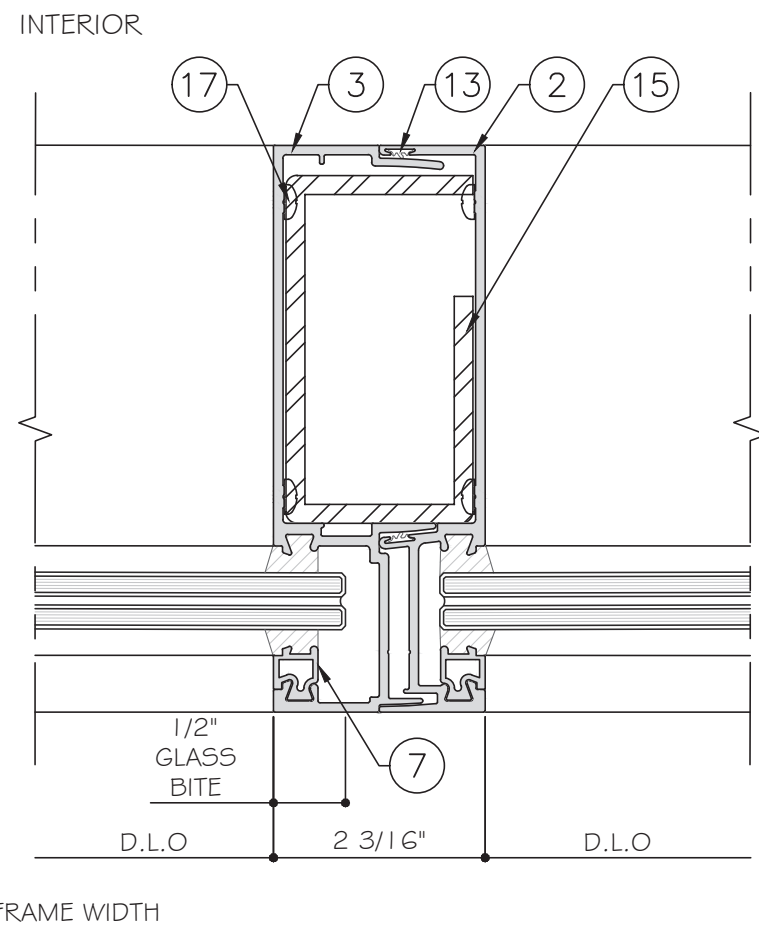
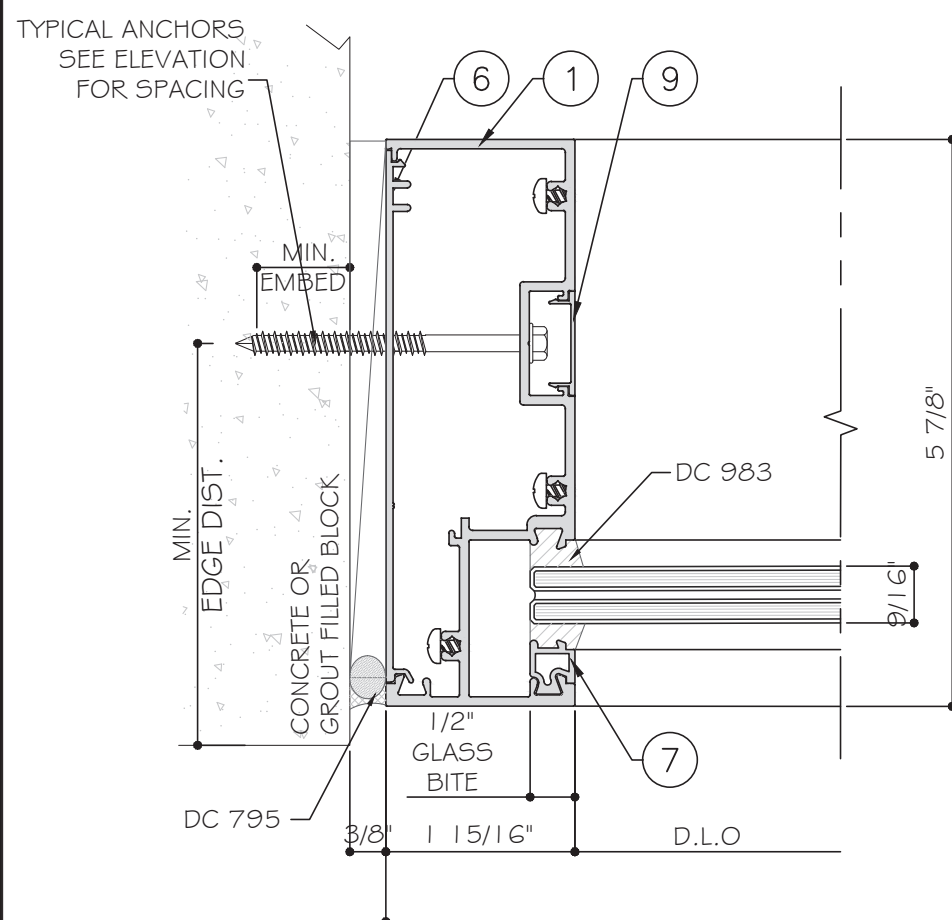
YY150 WINDOW WALL SYSTEM - L.M.I.
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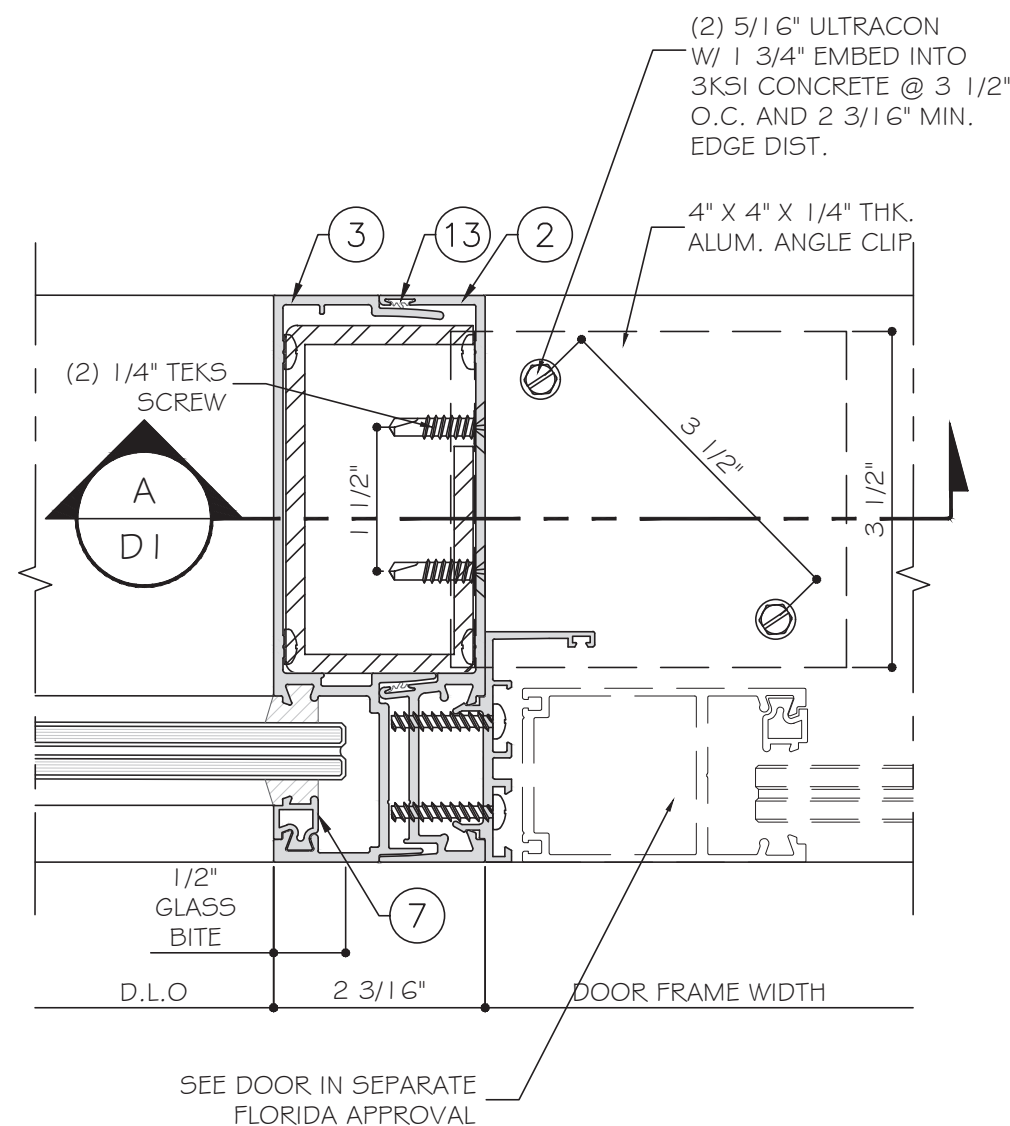
Drawn Date	Drawn By
12.08.2023	James

DRAWING NO.
AD22-16

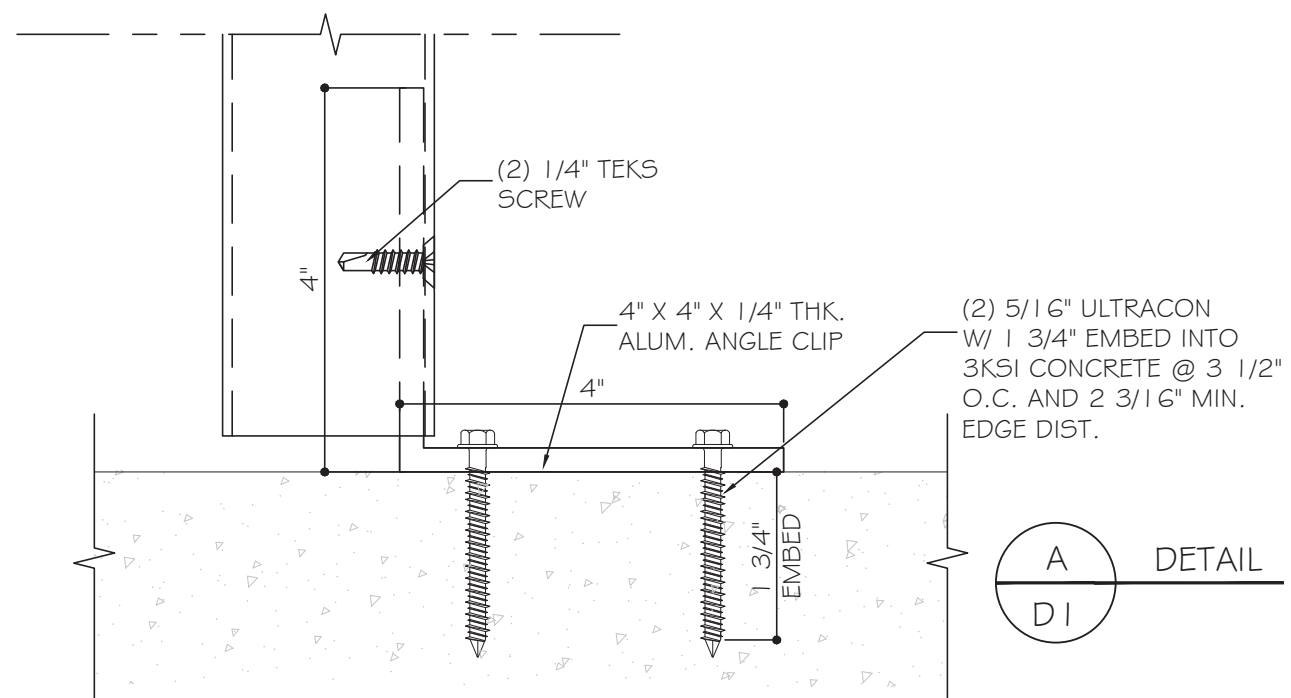
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Sheet No.
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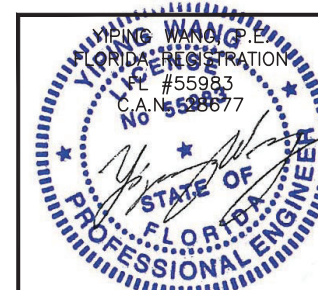
2 MULLION DETAIL



3
DI

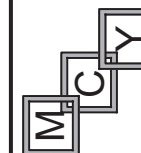


FLORIDA APPROVAL:
FL # 41538



December 12th, 2023

IMCY ENGINEERING, INC.
GLAZING CONSULTANTS



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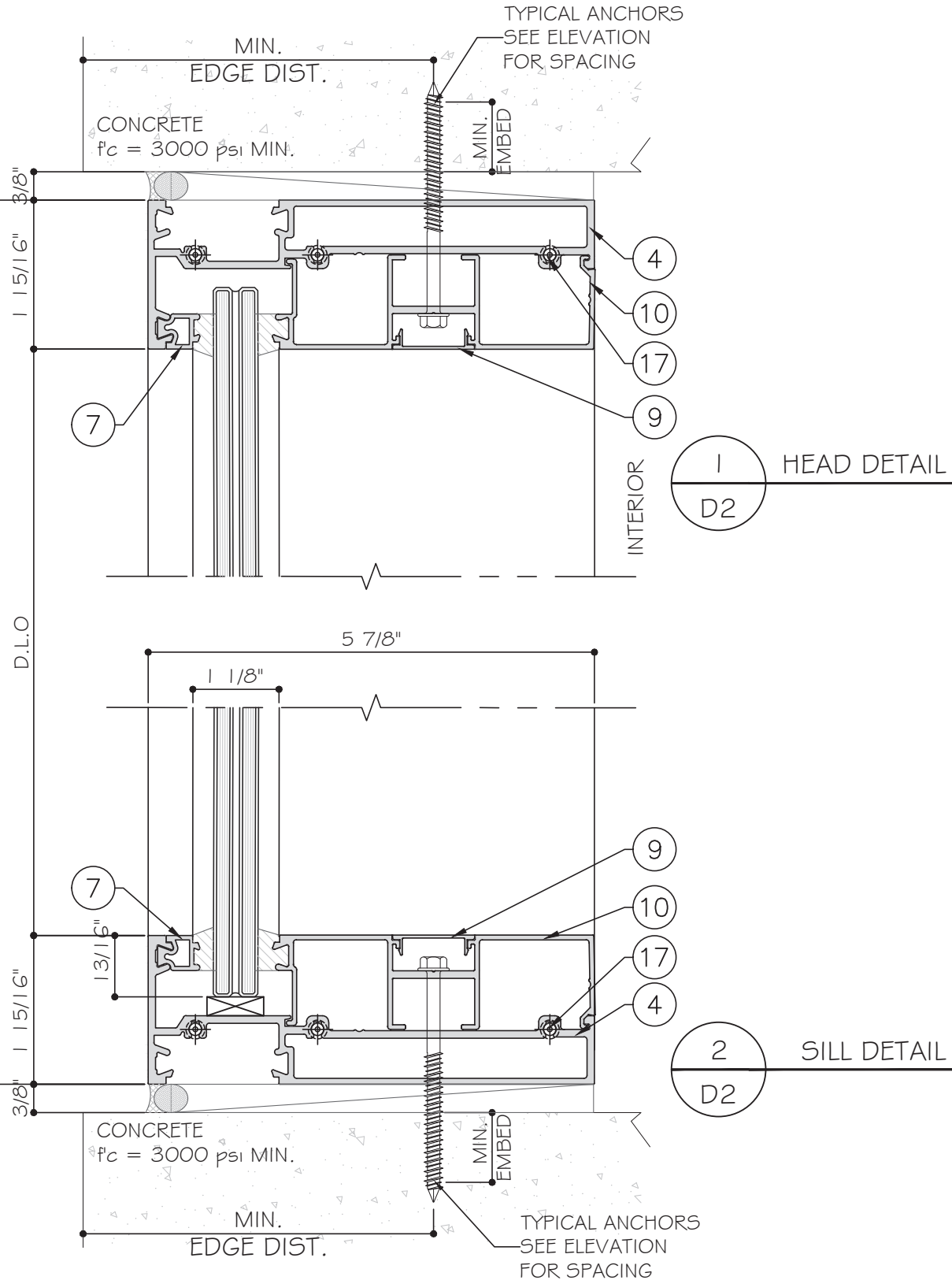
mcv@mcvengineering.com

www.MCYEngineering.com mcy@mcysengineering.com

					FBC 2023	Description
				R2	James 12.08.2023	Drawn By Date
Drawn Date 12.08.2023				Drawn By James		
DRAWING NO.						
AD22-16						
D1						
Sheet No.						
6 OF 9						

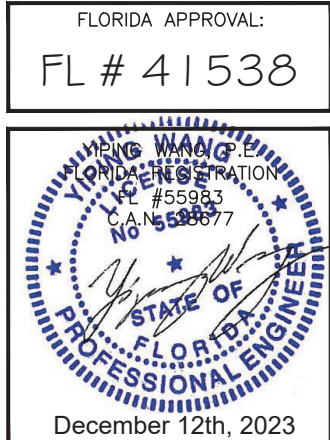
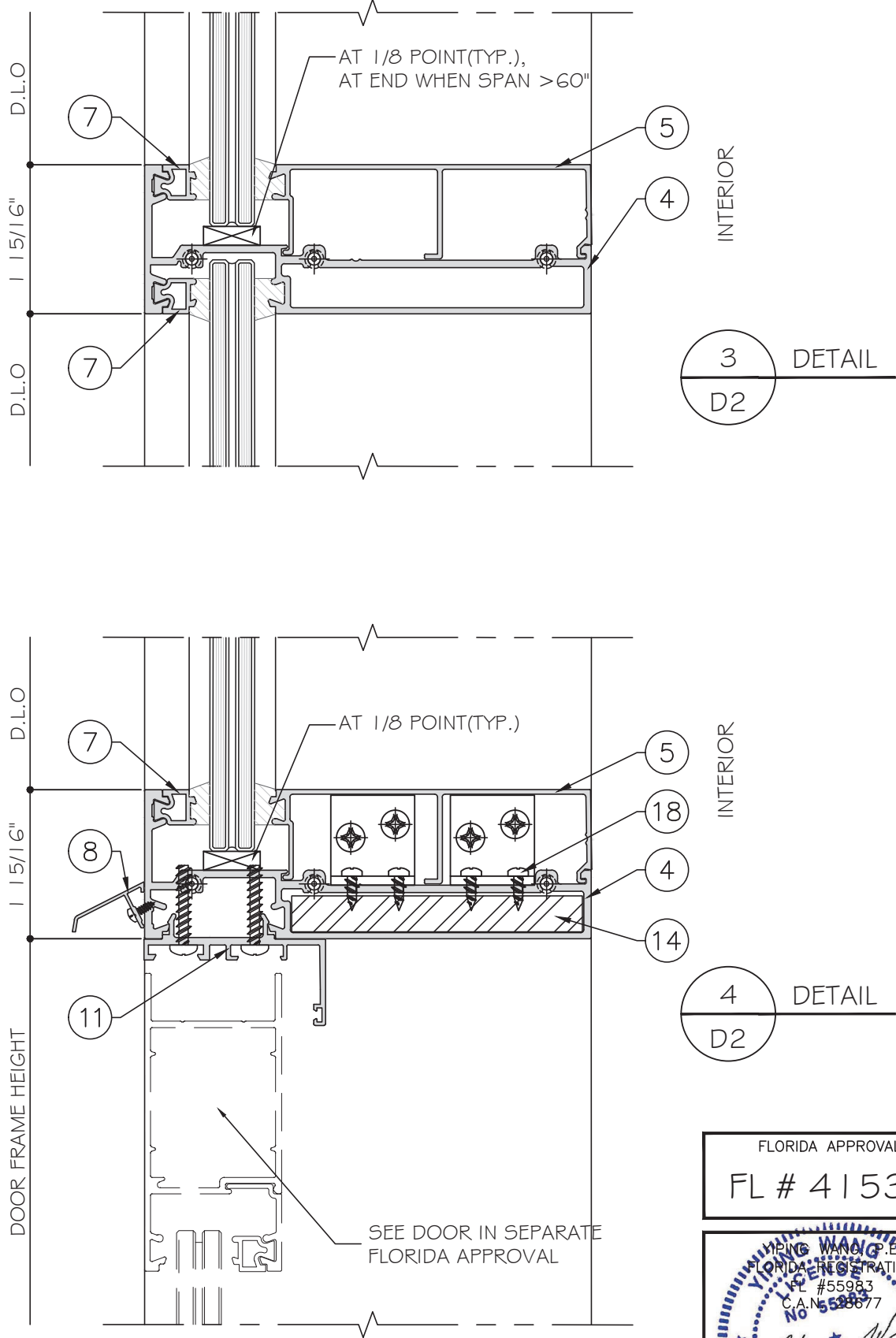
EXTERIOR

FRAME HEIGHT



EXTERIOR

DOOR FRAME HEIGHT



① JAMB
SPA15001A 6063-T5

② FEMALE MULLION
SPA15002 6063-T5

③ MALE MULLION
SPA15003 6063-T5

④ HEAD/SILL/INTERMEDIATE HORIZONTAL
SPA15004 6063-T5

⑤ GLASS STOP
SPA15005 6063-T5

⑥ JAMB FILLER
SPA15007 6063-T5

⑦ POCKET FILLER
SPA10016 6063-T5

⑨ SCREW COVER
SPA13006 6063-T5

⑧ AWING CAP
SP100T003 6063-T5

⑪ SASH REBATE
SPA13006 6063-T5

⑩ GLASS STOP
SPA15015 6063-T5

FLORIDA APPROVAL:
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Drawn Date	12.08.2023	Drawn By	James
Rev. No.	R2	Date	12.08.2023
Rev. No.		Drawn By	James

DRAWING NO.
AD22-16

PARTS

Sheet No.
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mcy@mcyengineering.com

YY150 WINDOW WALL SYSTEM - L.M.I.

SHANGHAI YY WINDOWS CO.,LTD

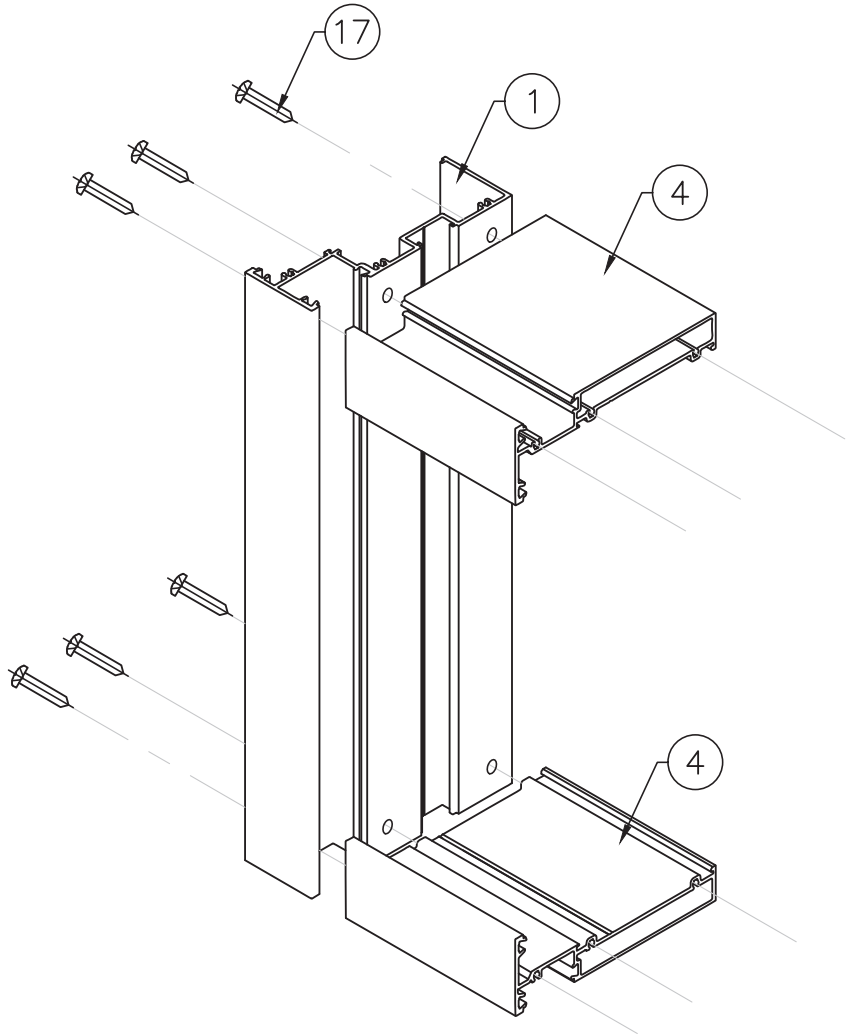
NO.9300 Hunan high way, PUDONG NEW AREA,SHANGHAI CHINA

TEL: +86 189 1616 7018

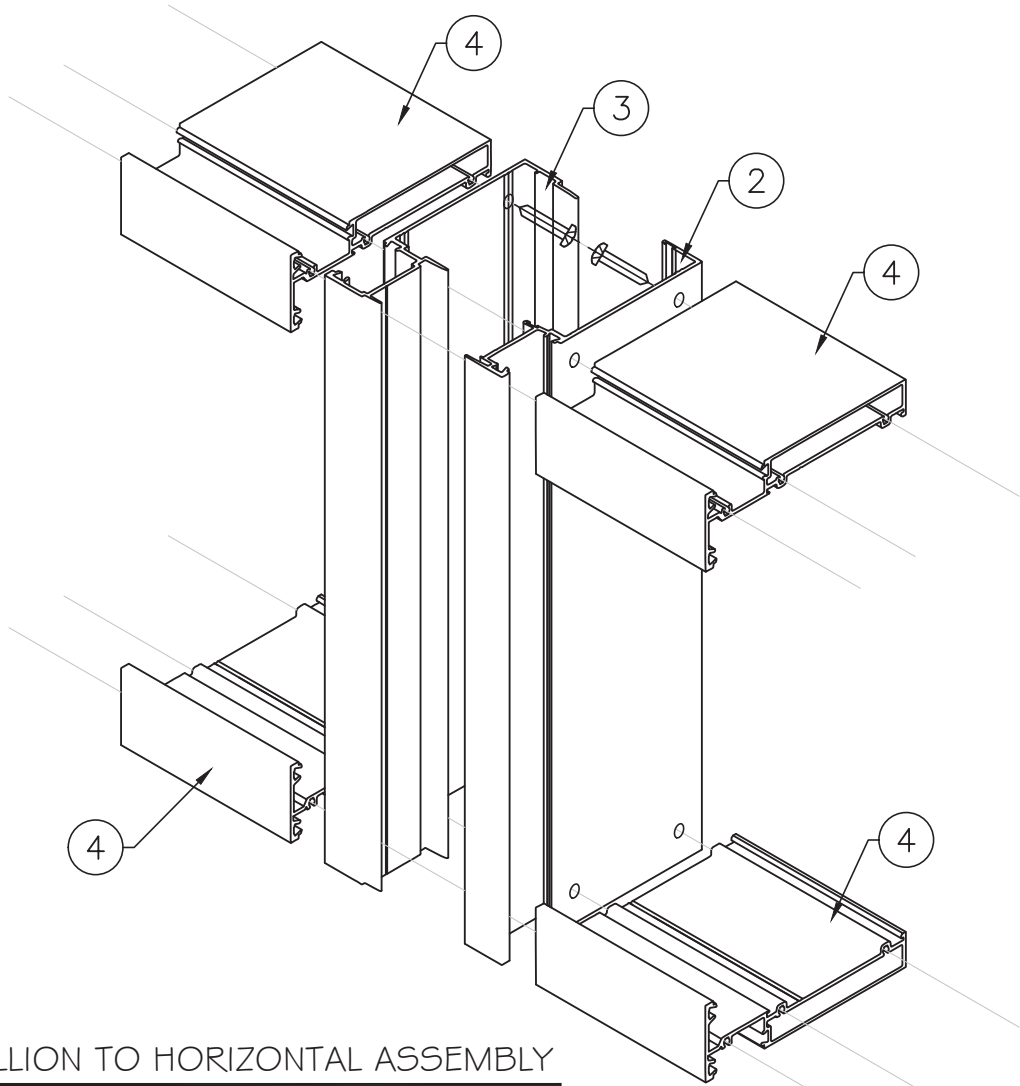
EMAIL: ywome@yyconstruction.com

BILL OF MATERIALS

ITEM	PART	DESCRIPTION	MATERIAL	MANUF. / REMARKS
1	SPA15001A	JAMB	ALUM. 6063-T5	-
2	SPA15002	FEMALE MULLION	ALUM. 6063-T5	-
3	SPA15003	MALE MULLION	ALUM. 6063-T5	-
4	SPA15004	HEAD / SILL / INTERMEDIATE HORIZONTAL	ALUM. 6063-T5	-
5	SPA15005	GLASS STOP	ALUM. 6063-T5	-
6	SPA15007	JAMB FILLER	ALUM. 6063-T5	-
7	SPA10016	POCKET FILLER	ALUM. 6063-T5	-
8	SP100T003	AWING CAP	ALUM. 6063-T5	-
9	SPA13006	SCREW COVER	ALUM. 6063-T5	-
10	SPA15015	GLASS STOP	ALUM. 6063-T5	-
11	SPA13006	SASH REBATE	ALUM. 6063-T5	-
12	-	GLAZING GASKET DC 983	SILICONE	DOW CORNING
13	26162	BULB GAKSET	EPDM, 70±5 SHORE	-
14	-	3.82" X 0.24" BAR REINFORCEMENT	STEEL	-
15	-	0.20" THICK U-SHAPE REINFORCEMENT	STEEL	-
16	-	SETTING BLOCK, 1/4" X 3/4"	EPDM, 80 SHORE A	-
17	-	3/16" X 1-1/2" PH SCREW	STAINLESS STEEL	-
18	-	3/16" X 1/2" PH SCREW	STAINLESS STEEL	-



JAMB CORNER ASSEMBLY



MULLION TO HORIZONTAL ASSEMBLY

FLORIDA APPROVAL:
FL # 41538

YIPING WANG, P.E.
FLORIDA REGISTRATION
FL #55983
CAN #558677

December 12th, 2023

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AD22-16

BOM

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