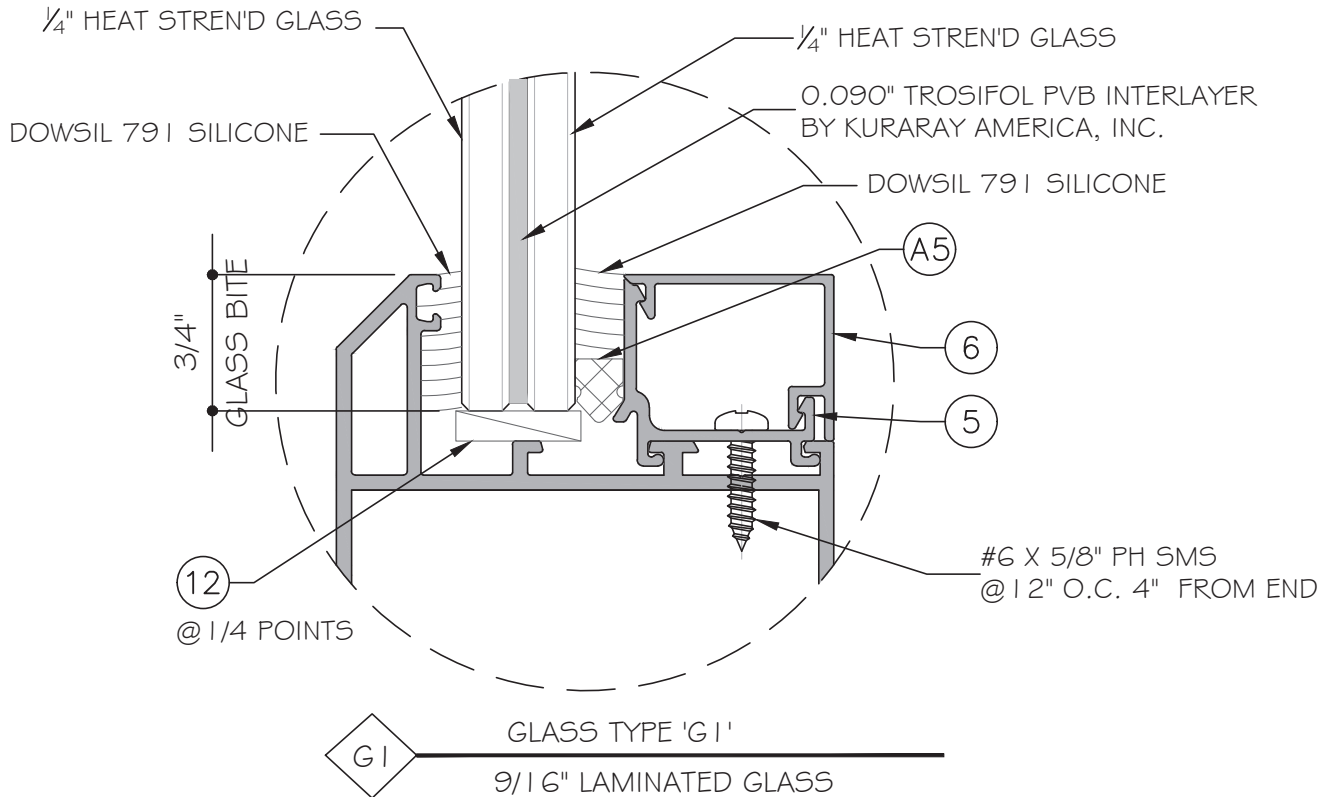


SHANGHAI YY WINDOWS CO., LTD.
ALUMINUM BI-FOLD DOOR LARGE MISSILE IMPACT (L.M.I.) IMPACT LEVEL "D"



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 FLORIDA BUILDING CODE 8TH EDITION (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOORS ARE RATED FOR LARGE MISSILE IMPACT. LMI SYSTEM TO BE USED FOR INSTALLATIONS UP TO 30 FT OF GRADE. IMPACT SHUTTERS ARE NOT REQUIRED.
- THESE BI-FOLDING DOOR 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 FLORIDA BUILDING CODE 8TH EDITION (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.

INSTRUCTIONS:
USE CHARTS AS FOLLOWS.

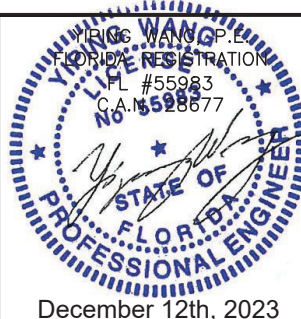
- STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD OR WIND TUNNEL REPORTS.
- STEP 2: SEE FOR GLASS OPTION ABOVE ON THIS COVER SHEET
SEE SHEET E1 FOR APPROVED DOOR SIZE AND DESIGN LOAD CAPACITY BASED ON APPLICABLE WIND DURATION.
- STEP 3: SEE ANCHOR TYPE ON SHEET A1.
SEE SHEET E1 FOR ANCHOR REQUIREMENT.
- STEP 4: THE LOWEST VALUE RESULTING FROM STEPS 2 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM.

ABBREVIATIONS AND SYMBOLS

D.L.O. - DAYLIGHT OPENING
F.H. - FRAME HEIGHT
F.W. - FRAME WIDTH
W/ - WITH
W/O - WITHOUT
O.C. - ON CENTER

SECTION NUMBER

SHEET NUMBER



FLORIDA APPROVAL:

FL # 41576

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301
MIRAMAR, FL. 33027 P: 305-271-0117
mcy@mcyengineering.com
ing.com

ALUMINUM BI-FOLD DOOR- L.I.M.I.

SHANGHAI YY WINDOWS CO.,LTD

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

TEL.+86 189 1616 7018

EMAIL: yvonne@yyconstruction.com

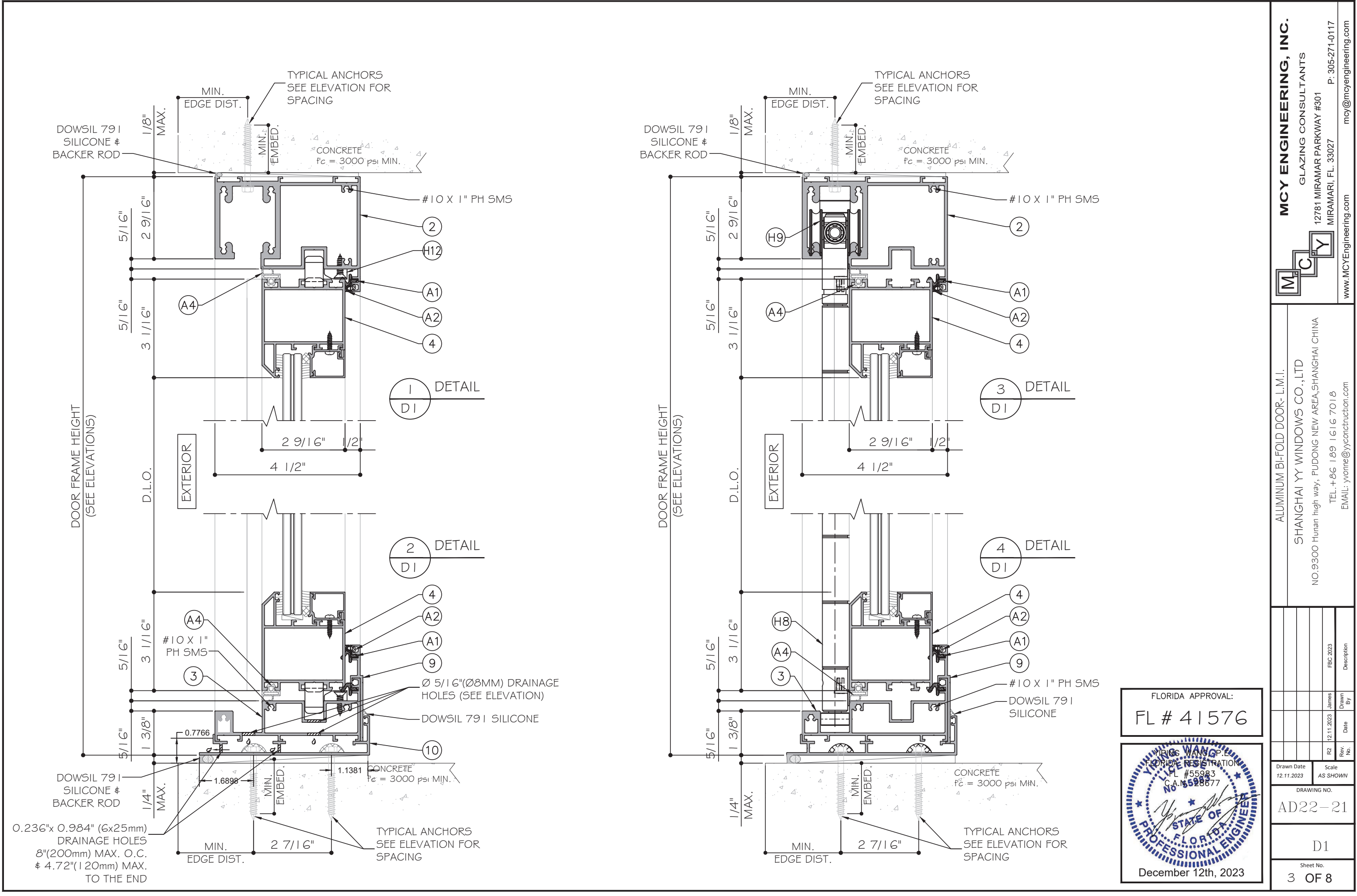
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Drawn Date	Scale
12.11.2023	AS SHOWN

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AD22-21

COVER

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FLORIDA APPROVAL:
FL # 41576



December 12th, 2023

MCY ENGINEERING, INC.

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EMAIL: ywome@yiconstruction.com

Rev.	Date	Drawn By	Description
R2	12.11.2023	James	FBC 2023

Drawn Date

12.11.2023

Scale

AS SHOWN

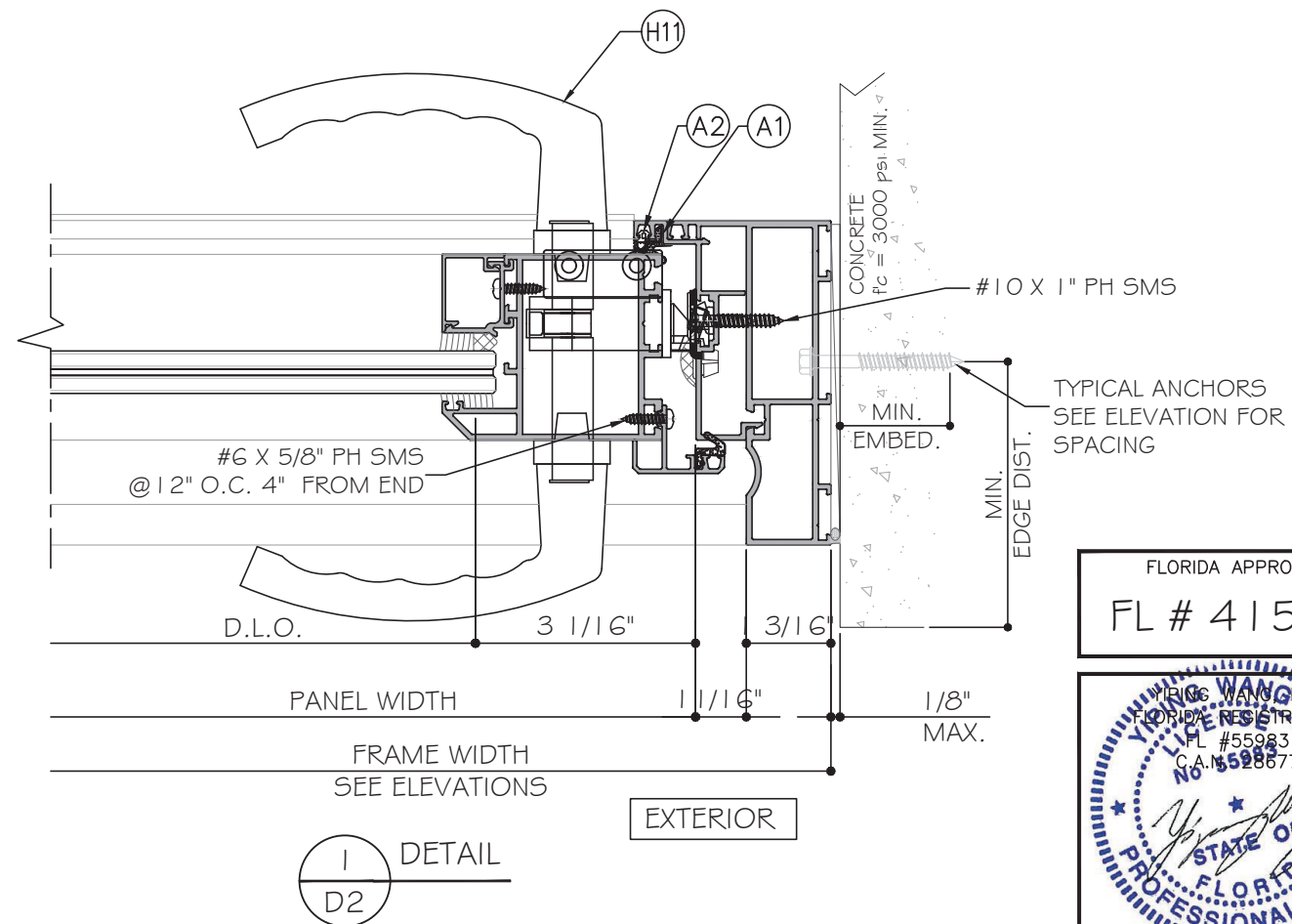
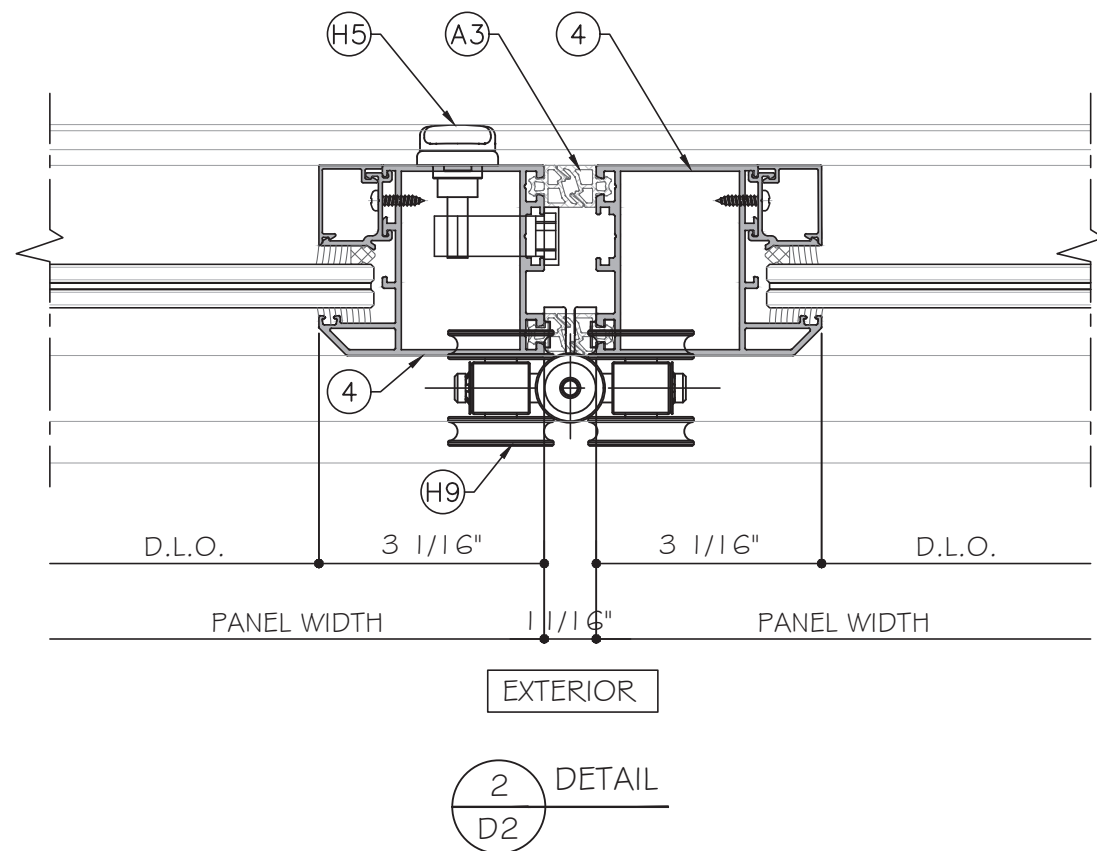
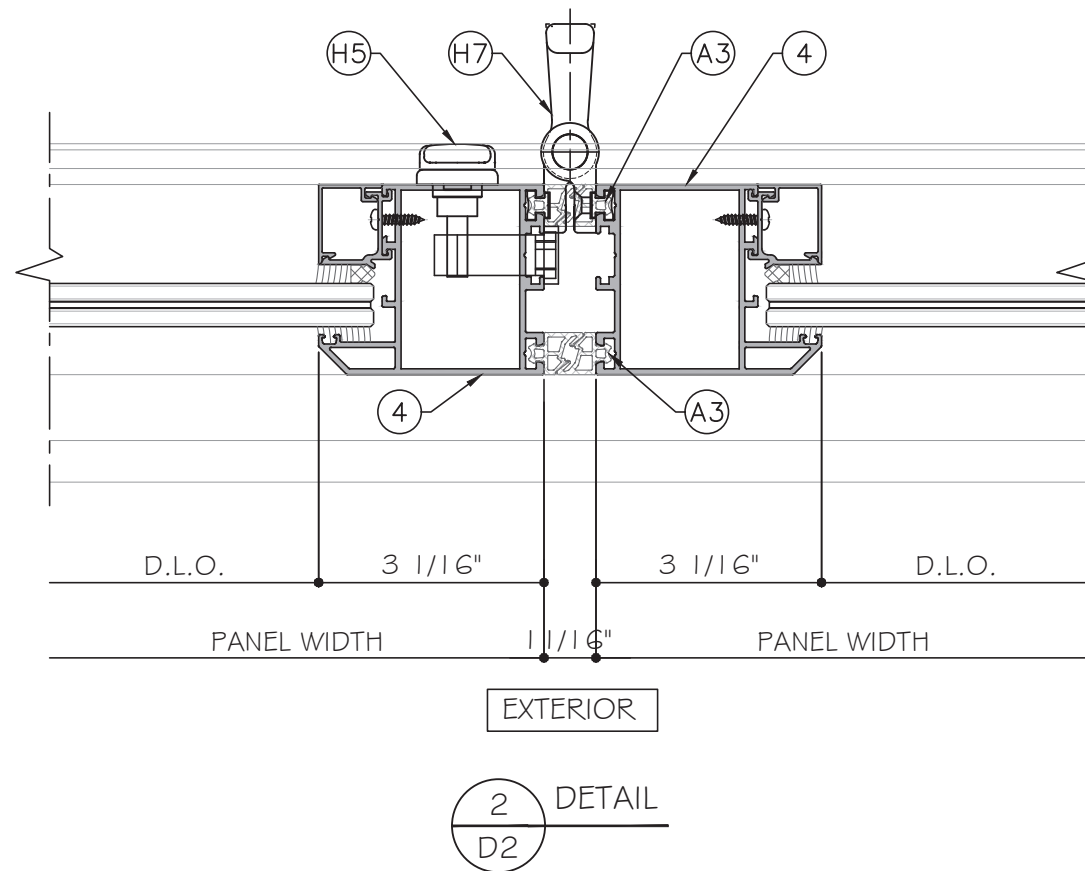
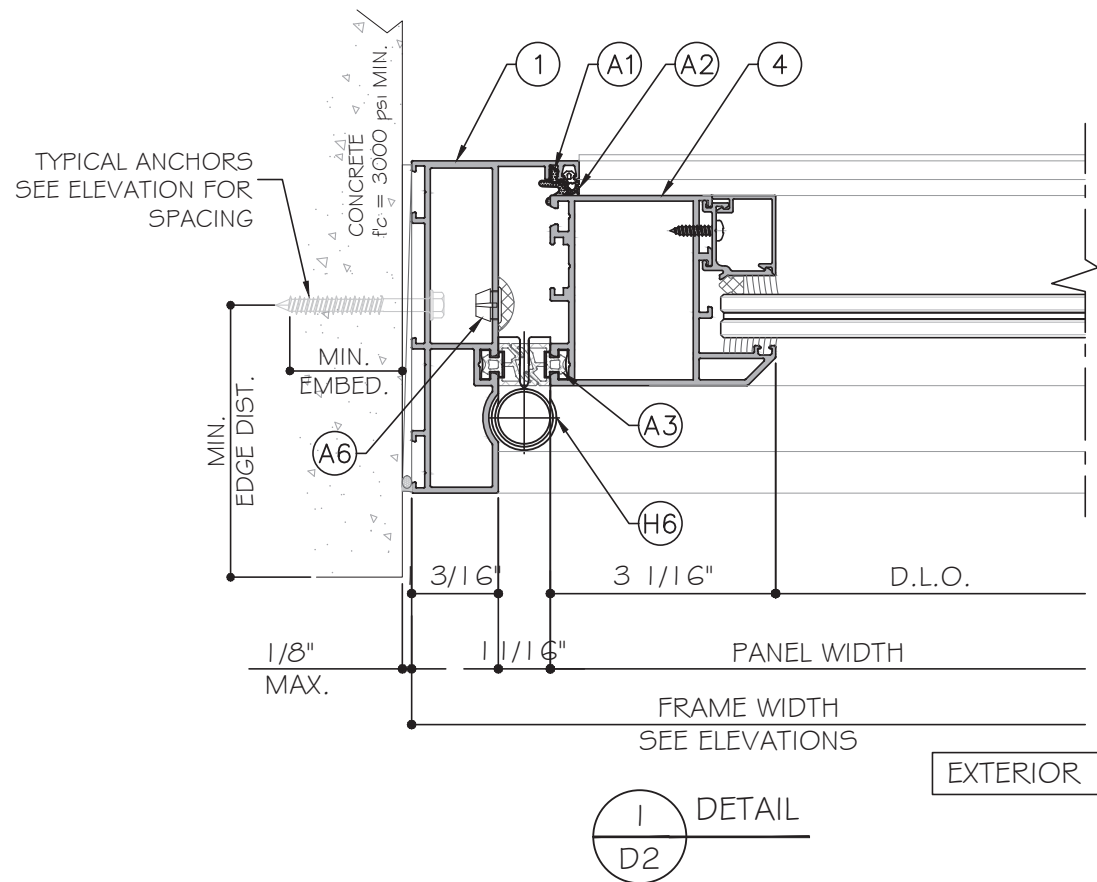
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AD22-21

D1

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FLORIDA APPROVAL:
FL # 41576

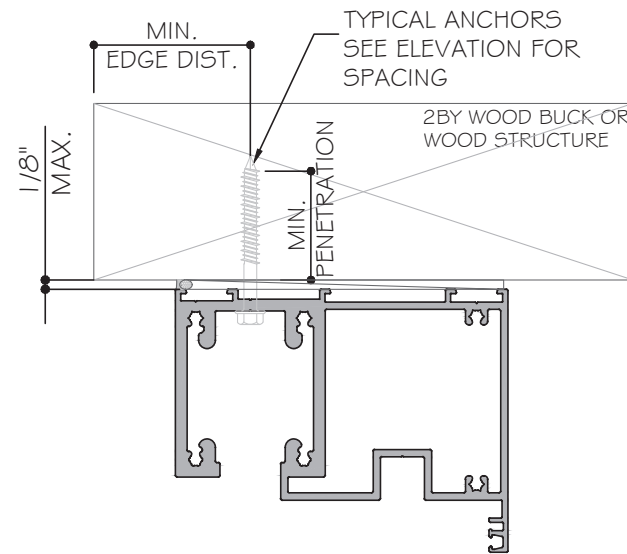
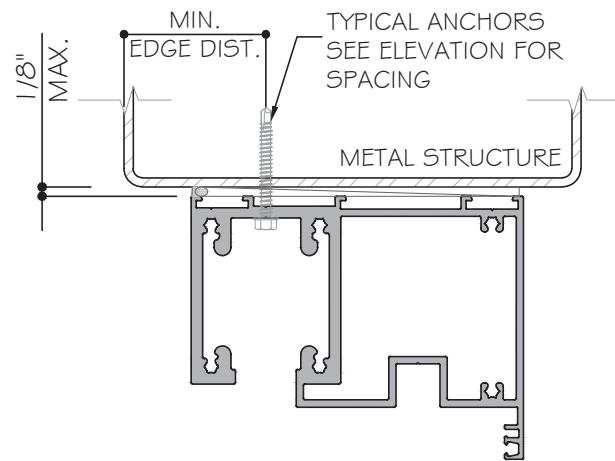
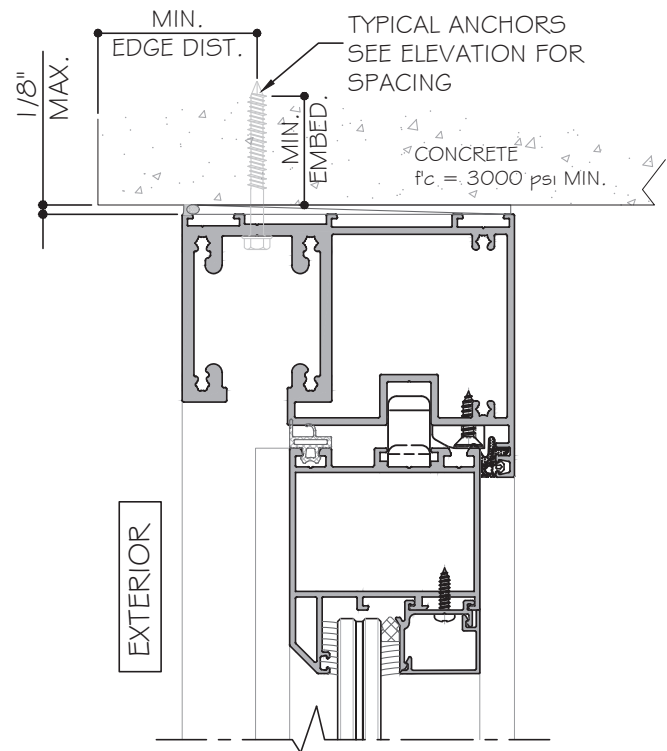
YONG WANG, P.E.
FLORIDA REGISTRATION
FL #55983
C.A.#559877

December 12th, 2023

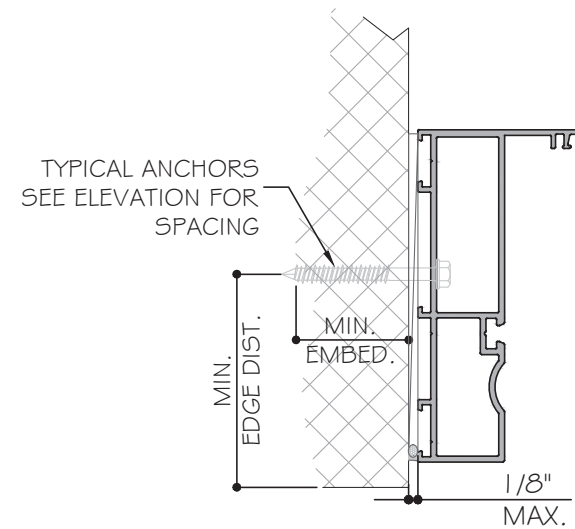
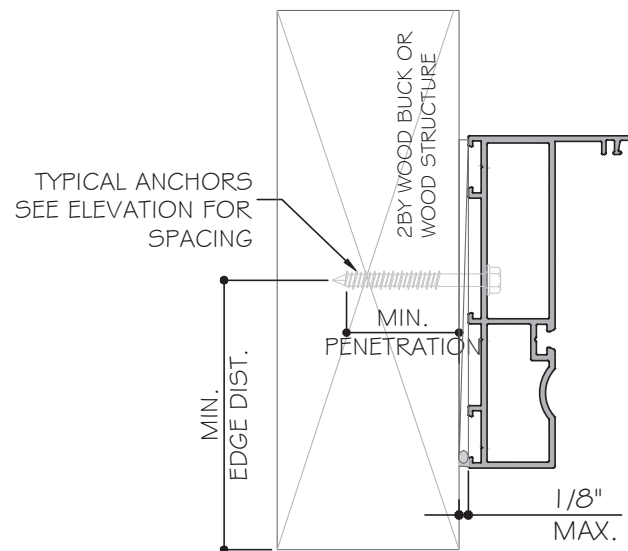
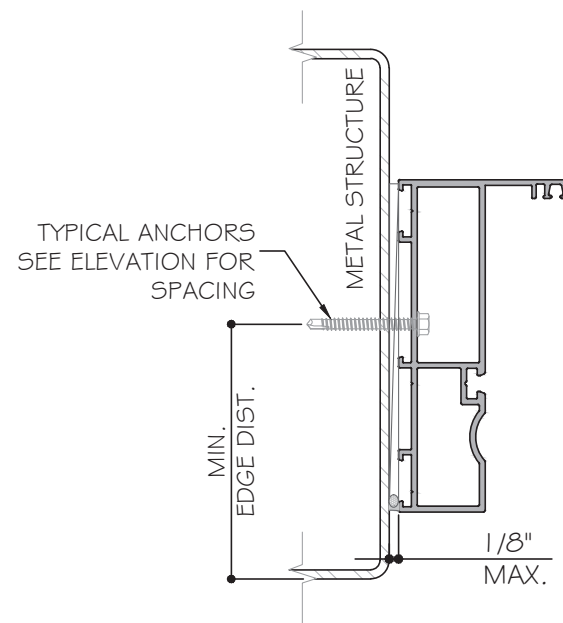
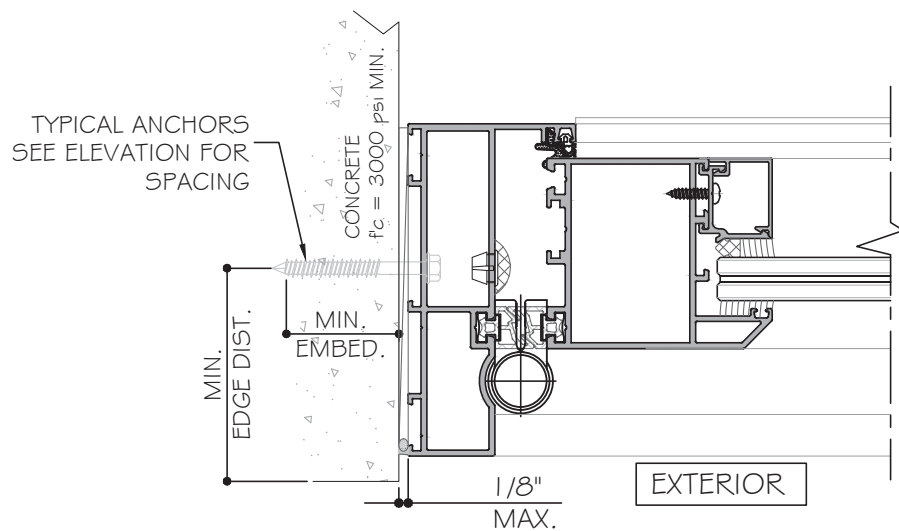
MCY ENGINEERING, INC.
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R2	12.11.2023	James	FBC 2023
D2			
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WOOD BUCKS AND METAL STRUCTURE BY OTHERS . MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.



TYPICAL ANCHORS: SEE ELEV. FOR SPACING

TYPE A: 1/4" ULTRAACON+ BY 'DEWALT' (FU=164 KSI, FY=148 KSI)
INTO 2BY WOOD BUCKS OR WOOD STRUCTURE
1-1/2" MIN. PENETRATION .

DIRECTLY INTO GROUT FILLED BLOCK (JAMB ONLY)
1-3/4" MIN. EMBEDMENT

DIRECTLY INTO CONCRETE
1-3/4" MIN. EMBEDMENT

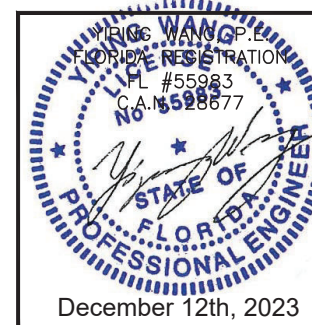
TYPE B: 1/4" "DEWALT" DRIL-FLEX SCREWS (GRADE 5 CRS) (FU=120KSI, FY=92KSI)
INTO MIAMI-DADE COUNTY APPROVED MULLION OR INTO METAL STRUCTURES
(3)THREADS MIN. TO EXTEND BEYOND METAL THICKNESS
ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN).
STELL: 16 GAUGE MIN. (FY = 33 KSI MIN.)

MIN. EDGE DIST:

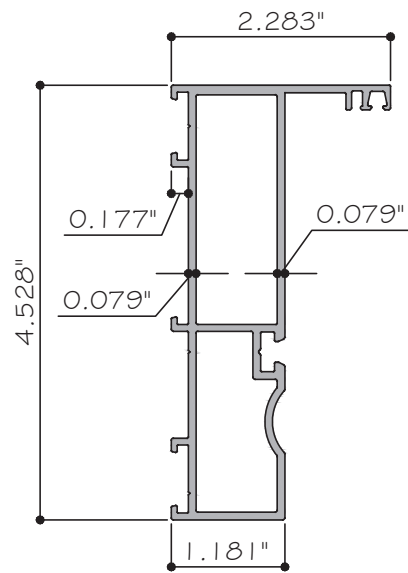
INTO CONCRETE OR BLOCKS: 2-1/2" MIN.
INTO WOOD STRUCTURE: 3/4" MIN.
INTO METAL STRUCTURE: 3/4" MIN

WOOD AT HEAD, SILL OR JAMBS: SG = 0.55 MIN.
CONCRETE AT HEAD/SILL OR JAMBS: f_c = 3000 PSI MIN.
FILLED BLOCK AT JAMBS: f_c = 2000 PSI MIN.

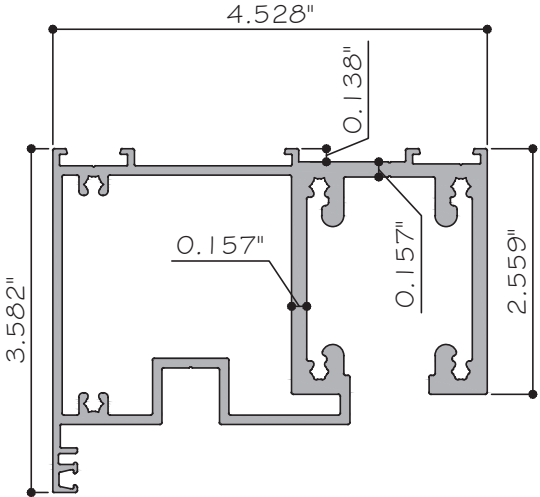
FLORIDA APPROVAL:
FL # 41576



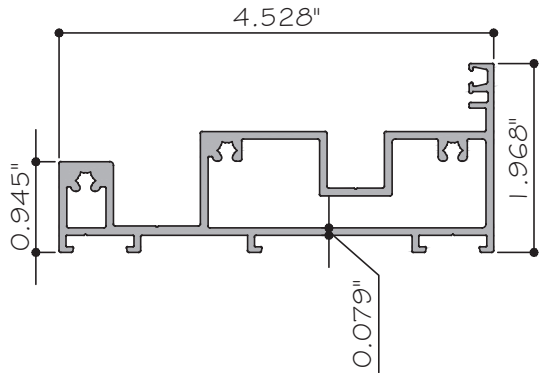
Rev. No.	Date	Drawn By	Description
R2	12.11.2023	James	FBC 2023
Drawn Date	12.11.2023	Scale	AS SHOWN
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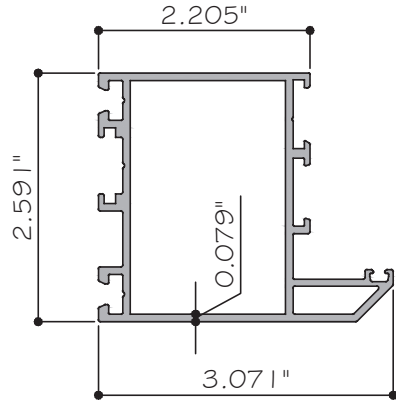
1 JAMB
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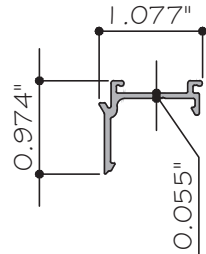
2 TOP TRACK
SP11501 6063-T5



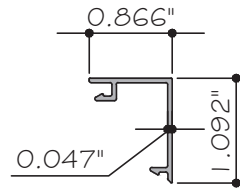
3 BOTTOM TRACK
SP11502 6063-T5



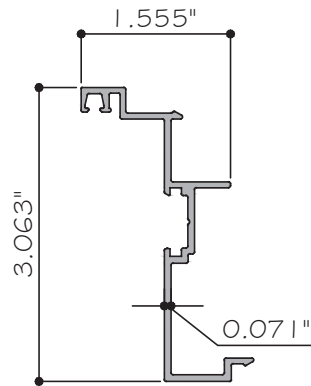
4 SASH
SP11504 6063-T5



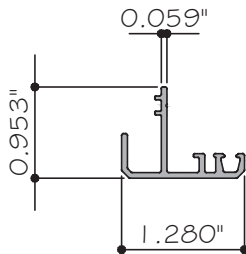
5 GLASS STOP
SP11509 6063-T5



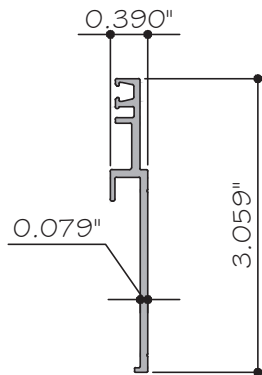
6 STOP SNAP COVER
SP11510 6063-T5



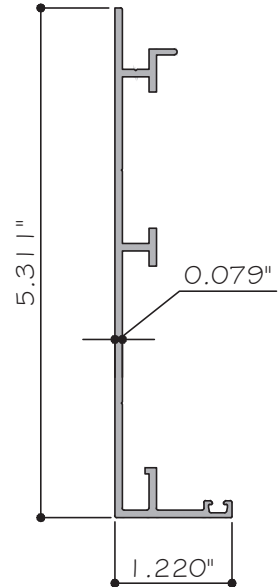
7 LOCK JAMB
SP11507 6063-T5



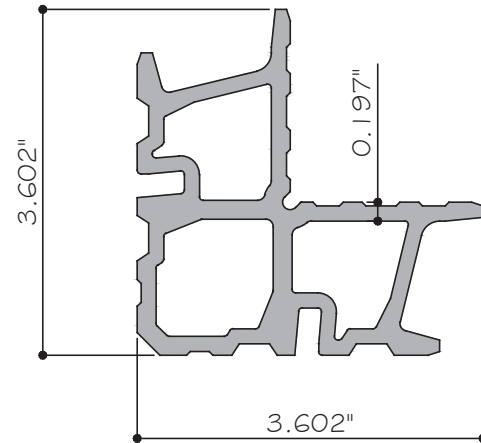
8 MEETING STILE ADAPTOR
SP11506 6063-T5



9 DOOR STOP
SP11511 6063-T5



10 SUB SILL
SP11508 6063-T5



11 CLAPING CORNER
JM405 6063-T5

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R2	12.11.2023	James	FBC 2023

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PARTS

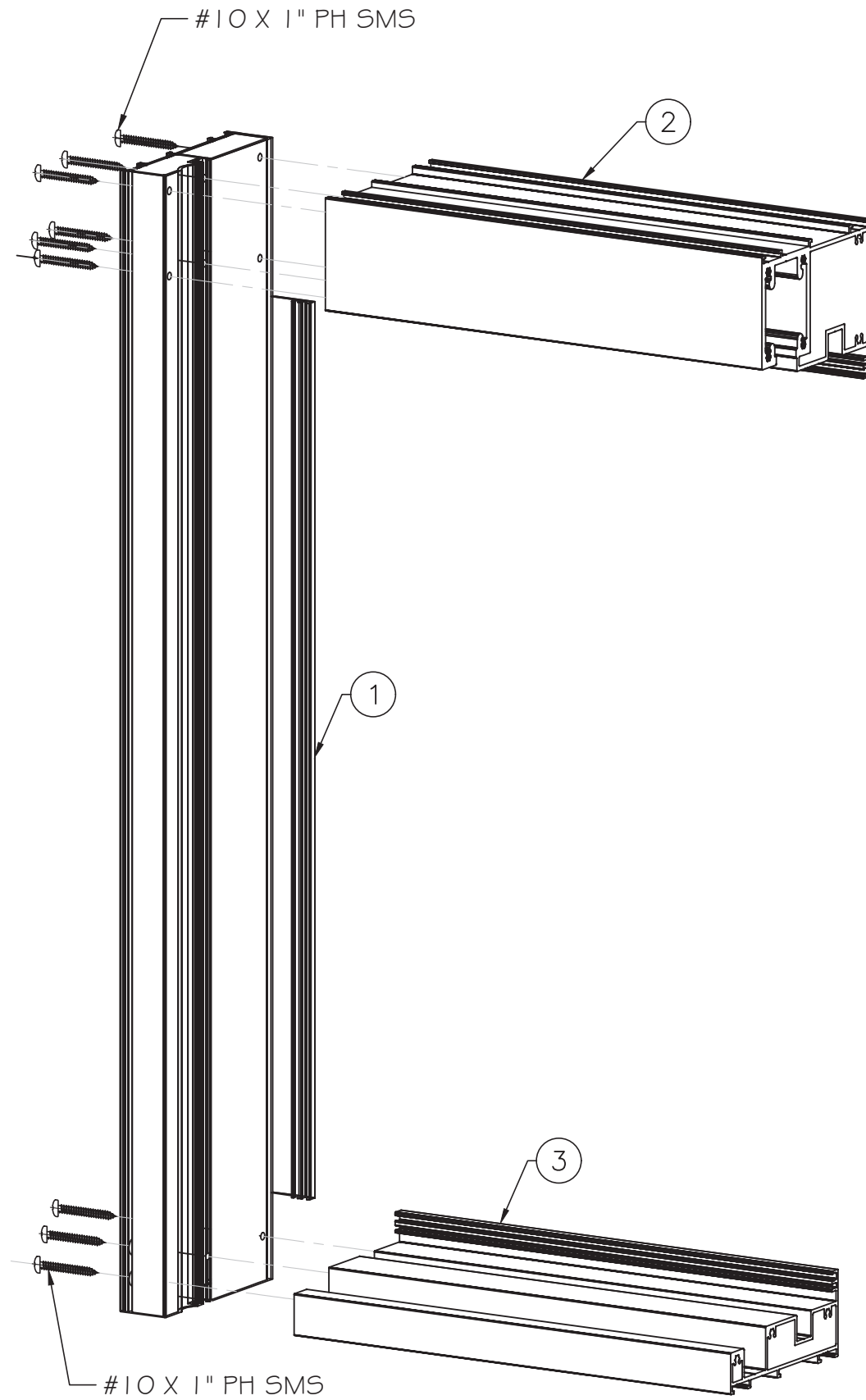
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FLORIDA APPROVAL:
FL # 41576

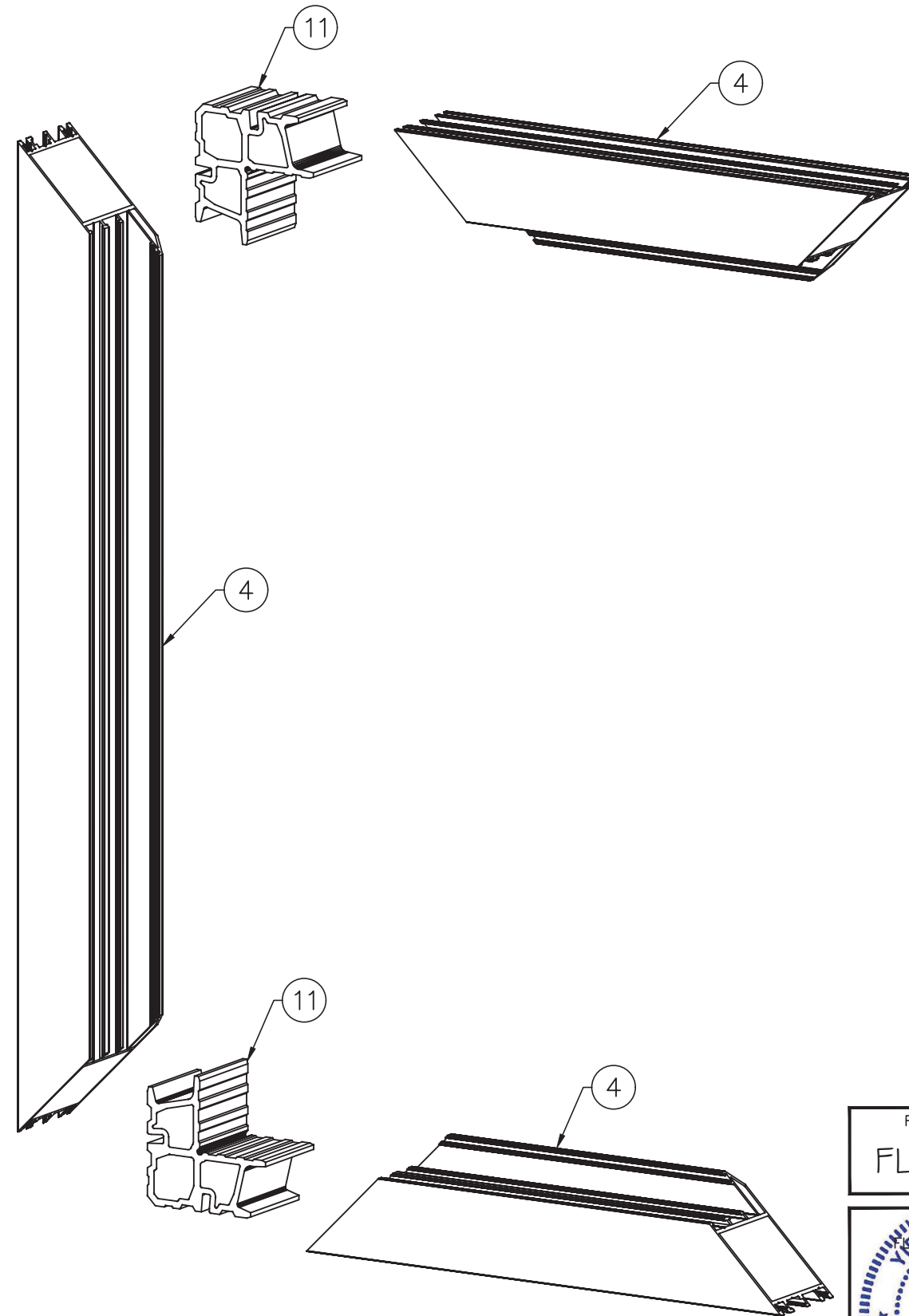
YONG WANG P.E.
FLORIDA REGISTRATION
FL #55983
C.A.N. 5598677
December 12th, 2023

BILL OF MATERIALS

BILL OF MATERIALS					MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PARKWAY #301 MIRAMARI, FL. 33027 P: 305-271-0117 mcy@mcyengineering.com www.MCYEngineering.com			
ITEM	PART	DESCRIPTION	MATERIAL	MANUF. / REMARKS				
1	SPI1503	JAMB	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL	ALUMINUM BI-FOLD DOOR- 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@yyyconstruction.com			
2	SPI1501	TOP TRACK	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL				
3	SPI1502	BOTTOM TRACK	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL				
4	SPI1504	SASH	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL				
5	SPI1509	GLASS STOP	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL				
6	SPI1510	STOP SNAP COVER	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL				
7	SPI1507	LOCK JAMB	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL				
8	SPI1506	MEETING STILE ADAPTOR	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL				
9	SPI1511	DOOR STOP	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL				
10	SPI1508	SUB SILL	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL				
11	JM405	CLAPING CORNER	ALUM. 6063-T5	SHANGHAI SUPERHOUSE BUILDING MATERIAL				
12	-	O.1575" (4mm)THICKNESS SETTING BLOCK AT 1/4" POINT(HARDNESS:48 HRR)	PAGG	-				
A1	K5525	FOAMING GASKET(HARDNESS:9±2A)	-	-				
A2	SBWG-001	EPDM GASKET(HARDNESS:65±5 SHORE A)	EPDM	-				
A3	SBW-35820	EPDM GASKET(HARDNESS:65±5 SHORE A)	EPDM	-				
A4	SBW-35254	EPDM GASKET(HARDNESS:65±5 SHORE A)	EPDM	-				
A5	SBW-26960	EPDM GASKET(HARDNESS:65±5 SHORE A)	EPDM	-				
A6	-	(M10-12MM) COVER	-	-				
H1	SBWHSS001	BOLT	-	-				
H2	254509	LOCK DEVICE POINT	-	-				
H3	*BQD25450	MIDDLE LOCK DEVICE POINT	-	-				
H4	ROTO487493	LOCKCASE	-	-				
H5	T28D	HANDLE	-	-				
H6	FTL310-07	HINGE	-	-				
H7	FTL310-08	HINGE	-	-				
H8	FTL310-02	BOTTOM ROLLER GUIDE	-	-				
H9	FTL310-01	TOP ROLLER	-	-				
H10	640870	DOOR LOCK	-	-				
H11	775970	DOOR HANDLE	-	-				
H12	1630FJS-16	LIFT BLOCK	-	-				
FLORIDA APPROVAL: FL # 41576 YONG WANG P.E. FLORIDA REGISTRATION FL #55983 C.A.N.5528677 December 12th, 2023								
					Drawn Date 12.11.2023 Scale AS SHOWN DRAWING NO. AD22-21 M1 Sheet No. 7 OF 8			

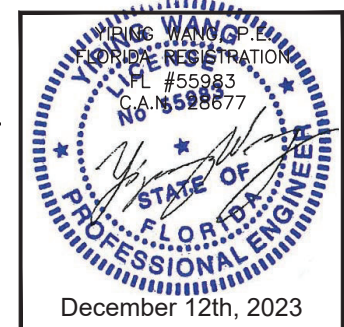


FRAME CORNER ASSEMBLY



PANEL CORNER ASSEMBLY

FLORIDA APPROVAL:
FL # 41576



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