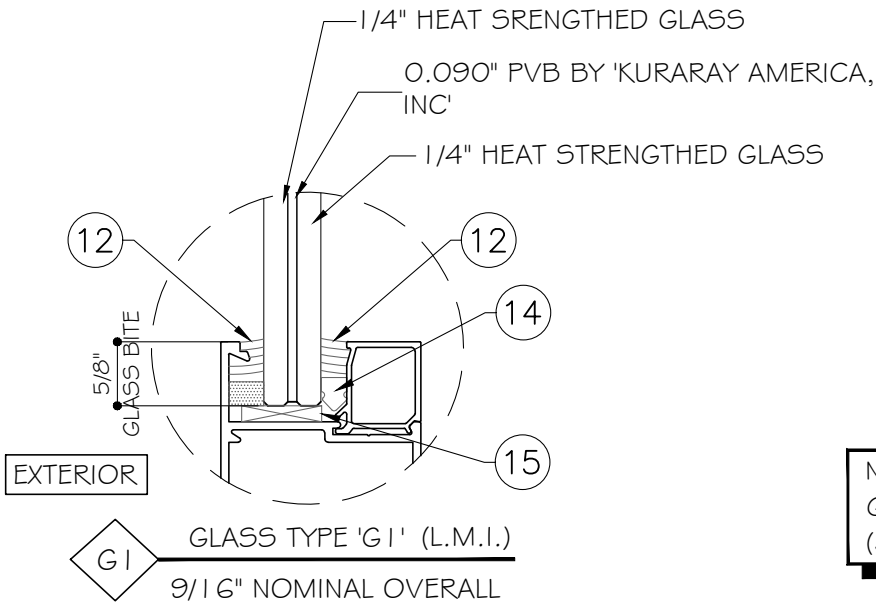


SHANGHAI SUPERHOUSE BUILDING MATERIAL CO., LTD.
SPA 100 ALUMINUM AWNING WINDOW SYSTEM - L.M.I.



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 7TH EDITION FLORIDA BUILDING CODE (2020)/ 8TH EDITION FLORIDA BUILDING CODE (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOWS 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.
- THESE AWNING WINDOW 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 7TH EDITION FLORIDA BUILDING CODE (2020)/ 8TH EDITION FLORIDA BUILDING CODE (2023) SECTION AS APPLICABLE.
- METAL STRUCTURES NOT BY SHANGHAI SUPERHOUSE 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.

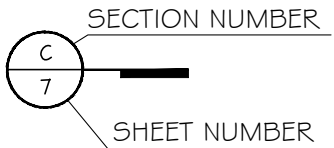
SEALANT:
ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICONE SEALANT.

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 OR WIND TUNNEL REPORTS.
- STEP 2: SEE SHEET E1 FOR TYPICAL AWNING WINDOW ELEVATION.
- STEP 3: SEE SHEET DO1 FOR ANCHOR OPTIONS. SEE SHEET E1 FOR NUMBER OF ANCHORS REQUIRED.

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

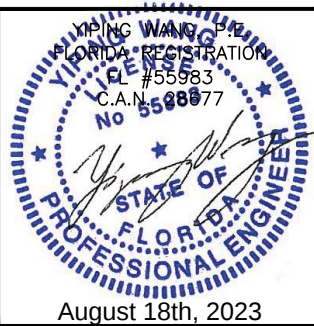


LIMITATIONS OF USE

- 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. 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:

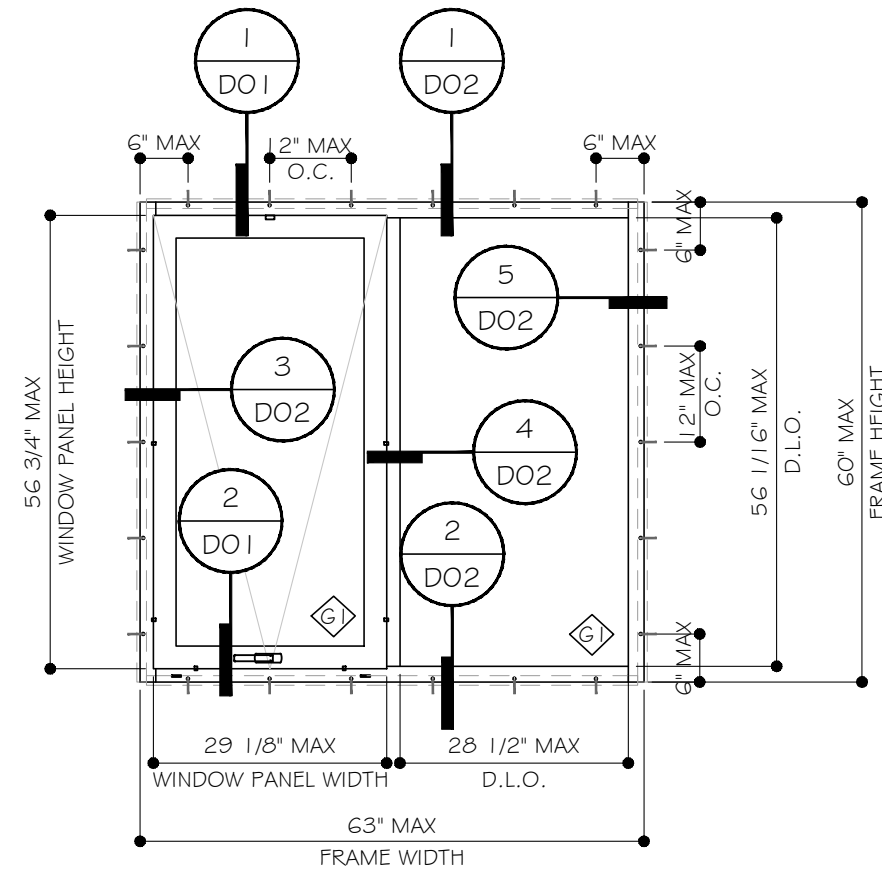
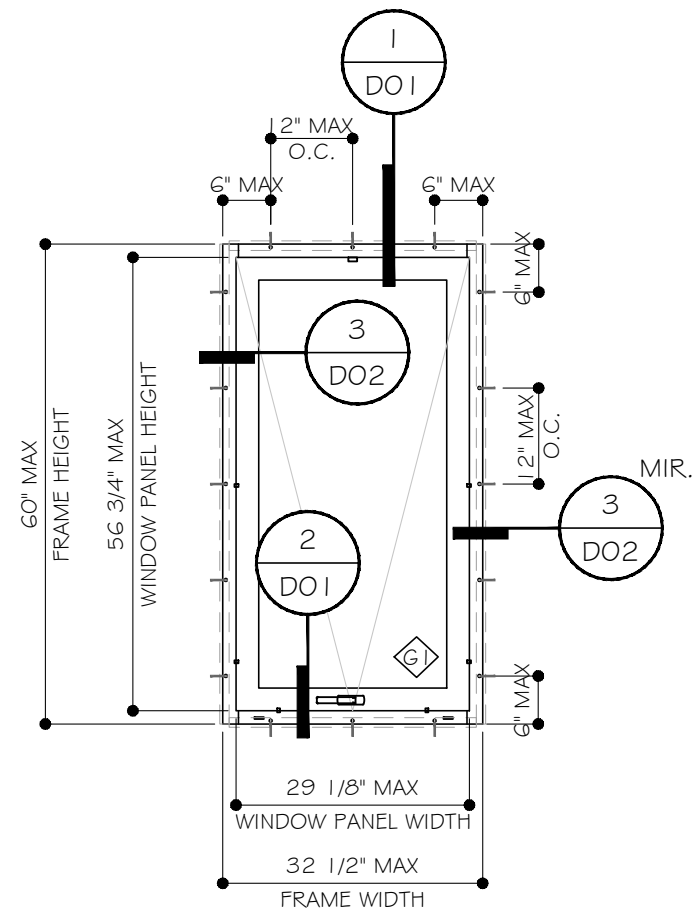
FL # 30922



MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027
P: 305.271.0117
www.MCYEngineering.com mcy@mcyengineering.com

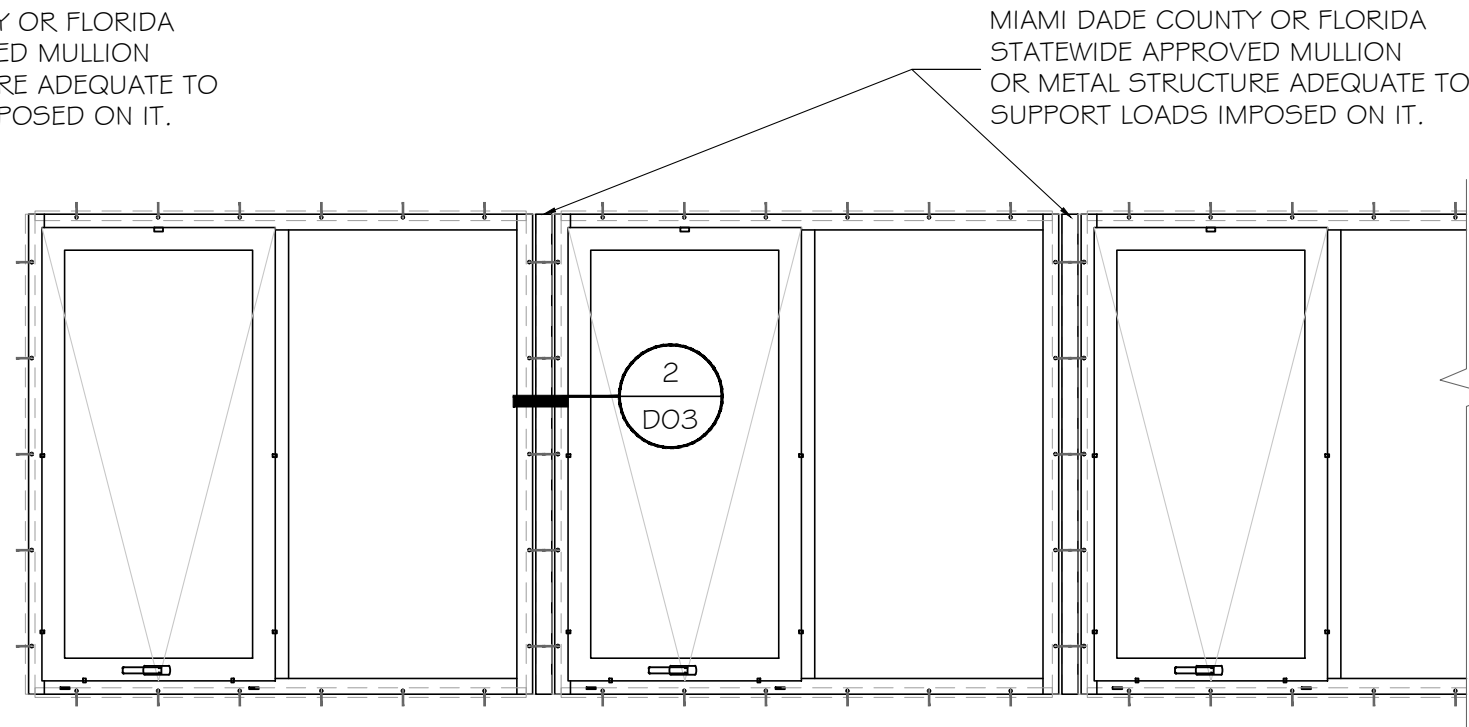
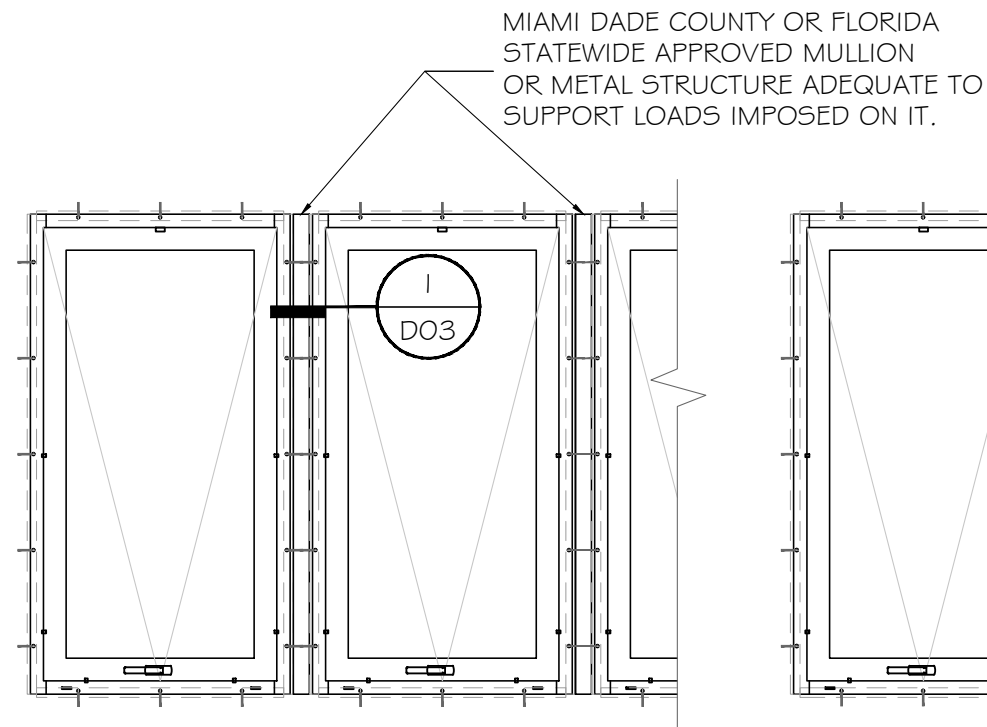
SPA100 ALUMINUM AWNING WINDOW SYSTEM - L.M.I.
SHANGHAI SUPERHOUSE BUILDING MATERIAL CO., LTD
LEVEL 5, BUILDING 10, NO.8666 HUNAN RD, PUDONG NEW AREA
SHANG HAI, CHINA
TEL.86 021-5822 0630 CELL.86 135-8572-3609

Rev. No.	Date	Drawn By	Description
2	08/15/2023	James	UPDATE TO 2023 FBC
2	03/04/2021	James	UPDATE TO 2020 FBC
1	12/03/2019	James	UPDATE TO 2017 FBC
Drawing No. AD19-30			
COVER			
Sheet No. 1 OF 9			

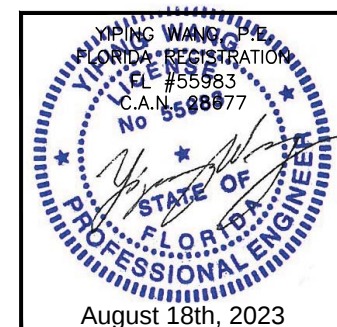


DESIGN LOADS
(FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC)
+55 PSF -55 PSF

SEE HARDWARE ON SHEET 'HW'

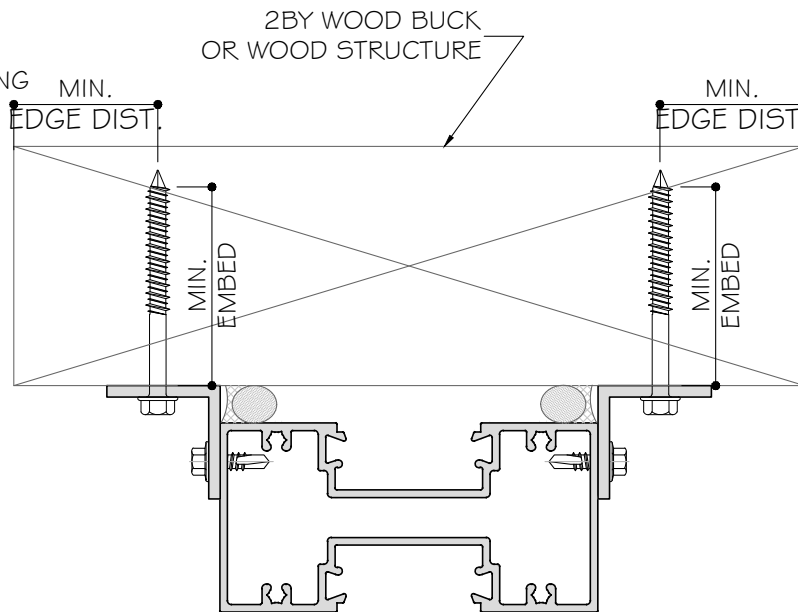
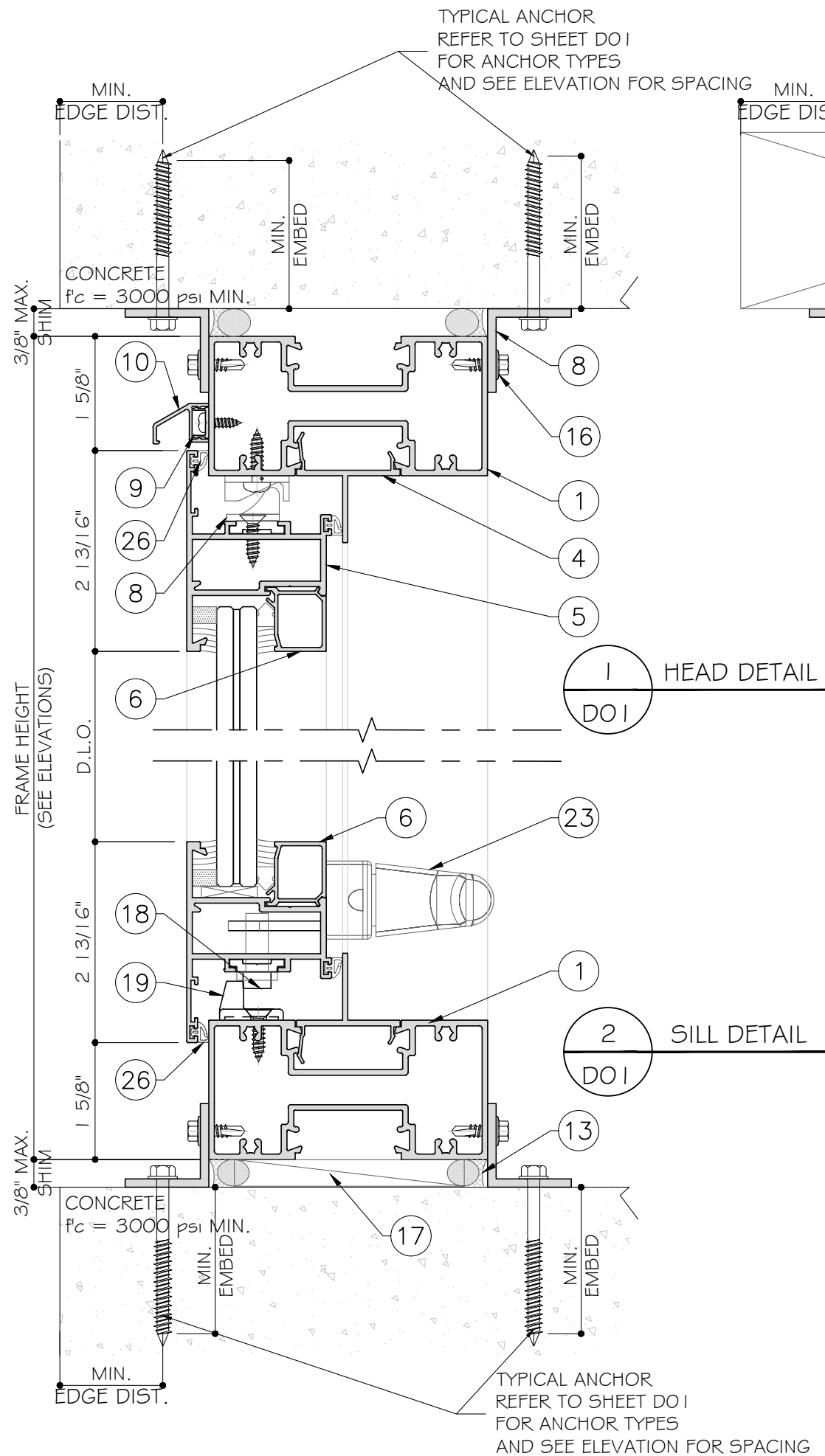


FLORIDA APPROVAL:
FL # 30922



		MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PARKWAY #301 MIRAMAR, FL 33027 P: 305.271.0117 www.MCYEngineering.com mcy@mcyengineering.com	
SPA100 ALUMINUM AWNING WINDOW SYSTEM - L.M.I.			
SHANGHAI SUPERHOUSE BUILDING MATERIAL CO., LTD LEVEL 5, BUILDING 10, NO.8666 HUNAN RD, PUDONG NEW AREA SHANG HAI, CHINA TEL. 86 021-58222 0630 CELL.86 135-8572-3609			
		06/15/2023	James
2			UPDATE TO 2023 FBC
2		03/04/2021	James
			UPDATE TO 2020 FBC
1		12/03/2019	James
			UPDATE TO 2017 FBC
Rev. No.	Date	Drawn By	Description
Drawn Date 08/15/2023		Drawn By MCY	
DRAWING NO.			
AD19-30			
E1			
Sheet No.			
2 OF 9			

EXTERIOR



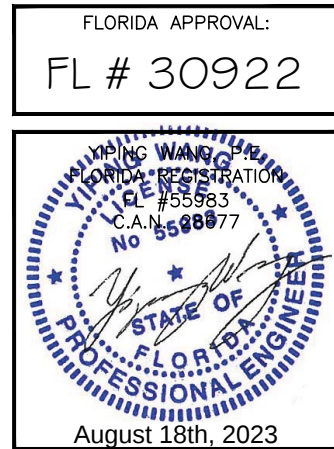
WOOD BUCKS AND METAL STRUCTURE NOT BY SUPERHOUSE. MUST SUSTAIN LOADS IMPOSED BY GLAZING SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.

TYPICAL ANCHORS: SEE ELEV. FOR SPACING

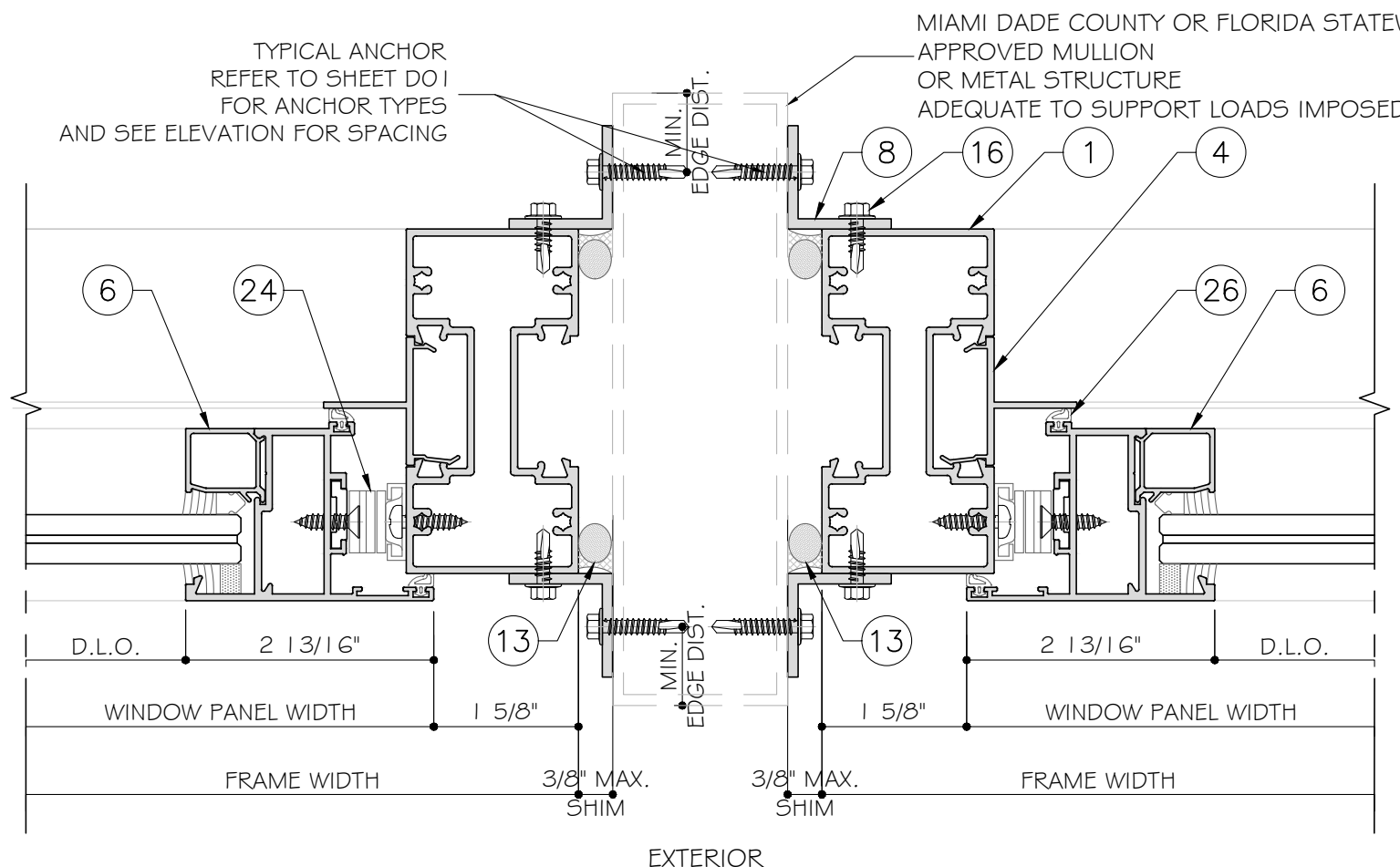
TYPE A: 1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u = 164\text{KSI}$, $F_y = 148\text{KSI}$) INTO 2BY WOOD BUCKS OR WOOD STRUCTURE 1-1/2" MIN. PENETRATION INTO WOOD OR THRU WOOD BUCK INTO CONCRETE OR BLOCK WITH 1 3/4" MIN. EMBED

OR DIRECTLY INTO CONCRETE OR INTO BLOCK (GROUT FILLED BLOCK OR HOLLOW BLOCK) WITH 1-3/4" MIN. EMBED

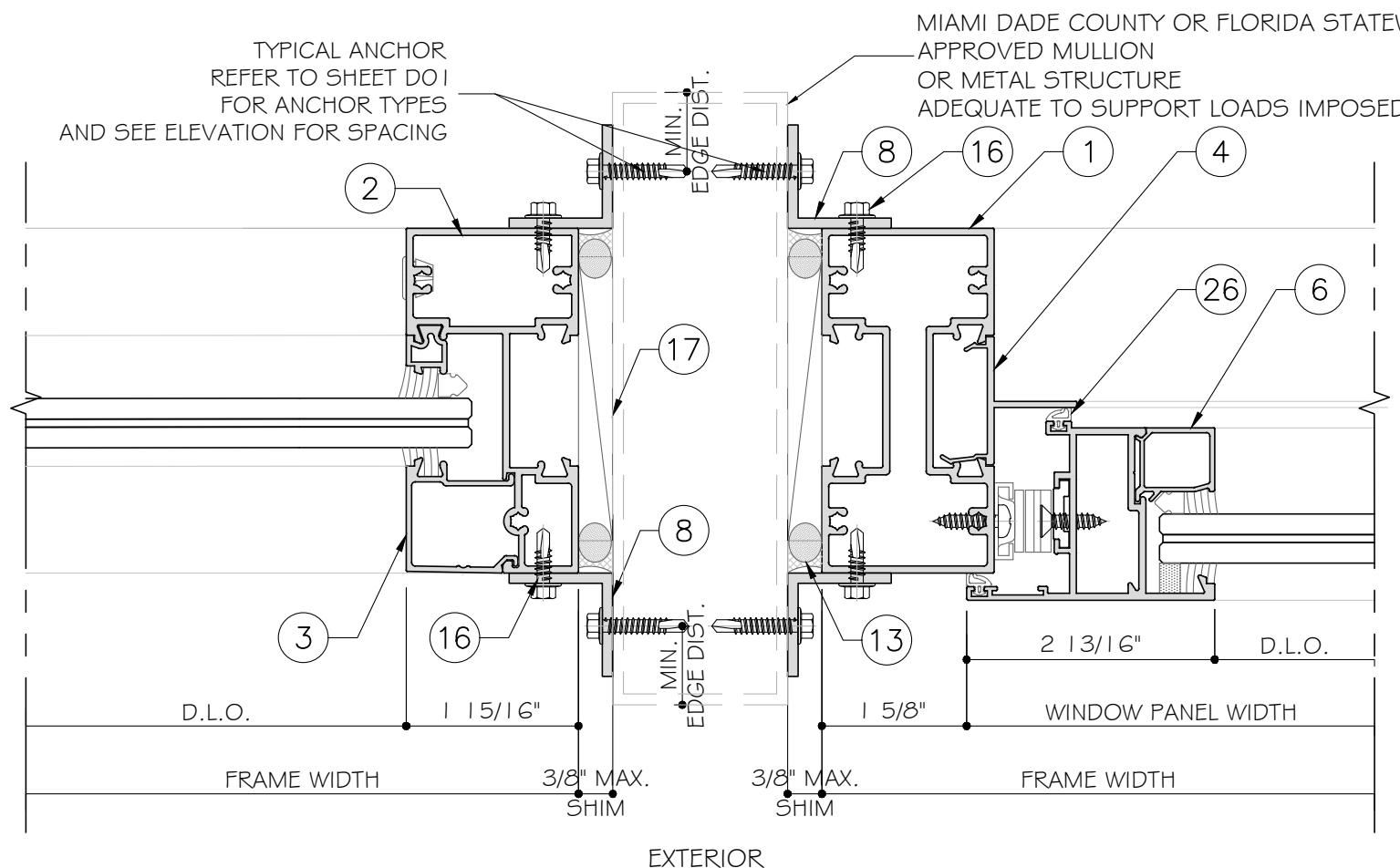
TYPE B: #14 SMS ($F_u = 74\text{KSI}$, $F_y = 57\text{KSI}$) OR TEKs OR SELF DRILLING SCREWS (GRADE 5 CRS) ($F_u = 120\text{KSI}$, $F_y = 92\text{KSI}$) INTO MIAMI-DADE COUNTY APPROVED MULLION OR (1) INTO METAL STRUCTURES (2) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS ALUMINUM: 1/8" THK. MIN. (6063-T5 MIN.) STEEL: 1/8" THK. MIN. ($F_y = 36\text{KSI}$ MIN.) MIN. EDGE DIST: INTO CONCRETE OR BLOCKS: 2-1/2" MIN. INTO WOOD STRUCTURE: 1" MIN. INTO METAL STRUCTURE: 3/4" MIN WOOD AT HEAD, SILL OR JAMBS: SG = 0.55 MIN. CONCRETE AT HEAD/SILL OR JAMBS: $f'_c = 3000\text{ PSI}$ MIN. C-90 HOLLOW/FILLED BLOCK AT JAMBS: $f'_m = 2000\text{ PSI}$ MIN.



Rev. No.	Date	Drawn By	Description
2	08/15/2023	James	UPDATE TO 2023 FBC
2	03/04/2021	James	UPDATE TO 2020 FBC
1	12/03/2019	James	UPDATE TO 2017 FBC
DRAFTING NO.			
AD19-30			
D01			
Sheet No.			
3 OF 9			

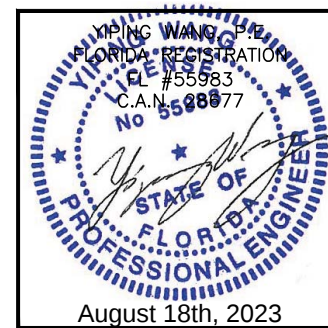


1 HEAD DETAIL
D03



2 HEAD DETAIL
D03

FLORIDA APPROVAL:
FL # 30922



MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027 P: 305.271.0117
www.MCYEngineering.com mcy@mcyengineering.com

SPA100 ALUMINUM AWNING WINDOW SYSTEM - L.M.I.

SHANGHAI SUPERHOUSE BUILDING MATERIAL CO., LTD
LEVEL 5, BUILDING 10, NO.8666 HUNAN RD, PUDONG NEW AREA
SHANGHAI, CHINA
TEL.86 021-5822 0630 CELL.86 135-8572-3609

Rev. No.	Date	Drawn By	Description
2	08/15/2023	James	UPDATE TO 2023 FBC
2	03/04/2021	James	UPDATE TO 2020 FBC
1	12/03/2019	James	UPDATE TO 2017 FBC

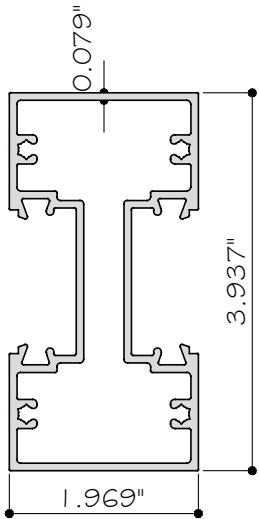
Drawn Date
08/15/2023

Drawn By
MCY

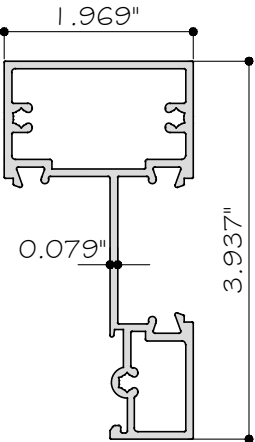
DRAWING NO.
AD19-30

D03

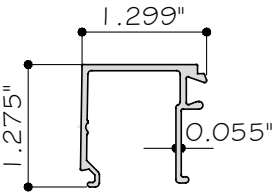
Sheet No.
5 OF 9



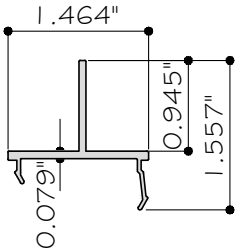
1 WINDOW FRAME
SPA10159 6063-T5



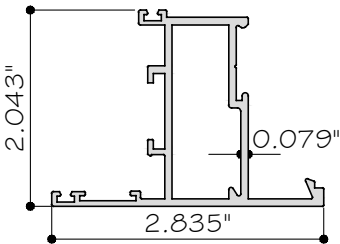
2 WINDOW FRAME
SPA10154 6063-T5



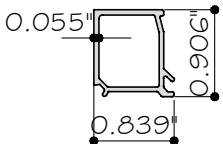
3 GLASS BEAD
SPA10155 6063-T5



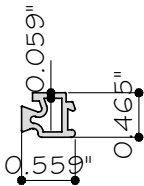
4 ADAPTOR
SPA10156 6063-T5



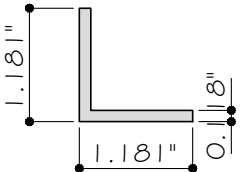
5 SASH
SPA10009A 6063-T5



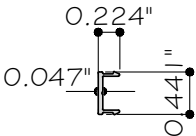
6 BEAD
SPA10160 6063-T5



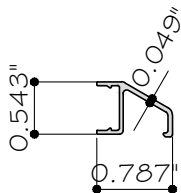
7 SINGLE GLASS ADAPTOR
SPA10016 6063-T5



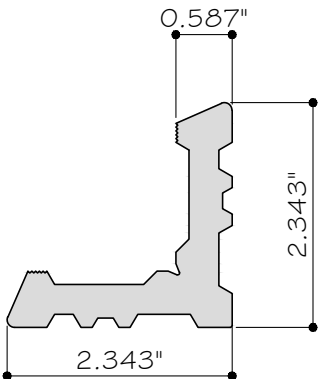
8 ALUMINUM ANGLE
0325 6063-T5



9 SKEW FILLER
JNSP10005 6063-T5

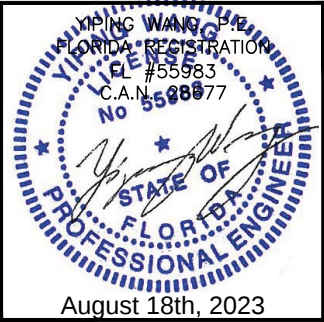


10 SKEW FILLER
JNSP10006 6063-T5



11 CLAMPING CORNER
JN6402 6063-T5

FLORIDA APPROVAL:
FL # 30922



MCY

ENGINEERING, INC.

GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301
MIRAMARI, FL 33027
P: 305.271.0117
www.MCYEngineering.com mcy@mcyengineering.com

SPA100 ALUMINUM AWNING WINDOW SYSTEM - L.M.I.
SHANGHAI SUPERHOUSE BUILDING MATERIAL CO., LTD
LEVEL 5, BUILDING 10, NO.8666 HUNAN RD, PUDONG NEW AREA
SHANG HAI, CHINA
TEL.86 021-5822 0630 CELL.86 135-8572-3609

Rev. No.	Date	Drawn By	Description
2	08/15/2023	James	UPDATE TO 2023 FBC
2	03/04/2021	James	UPDATE TO 2020 FBC
1	12/03/2019	James	UPDATE TO 2017 FBC
DRAWING NO. AD19-30			
PARTS			
Sheet No. 6 OF 9			

BILL OF MATERIALS

ITEM	PART	DESCRIPTION	MATERIAL	MANUF. / REMARKS
1	SPA10059	WINDOW FRAME	ALUM. 6063-T5	-
2	SPA10154	WINDOW FRAME	ALUM. 6063-T5	-
3	SPA10155	GLASS BEAD	ALUM. 6063-T5	-
4	SPA10156	ADAPTOR	ALUM. 6063-T5	-
5	SPA10009A	SASH	ALUM. 6063-T5	-
6	SPA10160	BEAD	ALUM. 6063-T5	-
7	SPA10016	SINGLE GLASS ADAPTOR	ALUM. 6063-T5	-
8	O325	ALUMINUM ANGLE	ALUM. 6063-T5	-
9	JNSP1005	SKEW FILLER	ALUM. 6063-T5	-
10	JNSP1006	SKEW FILLER	ALUM. 6063-T5	-
11	JN6042	CLAMPING CORNER	ALUM. 6063-T5	-
12	-	DC 791 NEUTRAL CURE SEALANT	SILICONE	DOW CORNING
13	-	DC 791 NEUTRAL CURE SEALANT & BACKER ROD	SILICONE	DOW CORNING
14	SBW-26960	EPDM GASKET	EPDM, 70±5 SHORE A	-
15	-	SETTING BLOCK 1/8" X 5/8"	EPDM, 80 SHORE A	-
16	-	3/16" X 5/8" HEX TEK SCREW	-	-
17	-	HARD PLASTIC SHIM	-	-
18	MFKL0070	T TYPE CONNECTOR	-	-
19	NRST0130-100200	KEEPER	-	-
20	254509	LOCK DEVICE POINT	-	-
21	*BQD25450	MIDDLE LOCK DEVICE POINT	-	-
22	220603	CORNER TRANSMISSION	-	-
23	CHGD0010	HANDLE	-	-
24	CSHD8630	FRICTION HINGE	STAINLESS STEEL	-
25	SAP771867	HIDDEN LOCK	-	-
26	SBW-26955	EPDM GASKET	EPDM, 70±5 SHORE A	-

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301
MIRAMARI, FL 33027

P: 305.271.0100
mcy@mcyengineering.com
www.MCYEngineering.com

SPA100 ALUMINUM AWNING WINDOW SYSTEM - L.M.I.
SHANGHAI SUPERHOUSE BUILDING MATERIAL CO., LTD
LEVEL 5, BUILDING 10, NO.8666 HUNAN RD, PUDONG NEW AREA
SHANG HAI, CHINA
TEL.86 021-5822 0630 CELL.86 135-8572-3609

Rev. No.	Date	Drawn By	Description
1	12.03.2019	James	UPDATE TO 2017 FBC
2	03.04.2021	James	UPDATE TO 2020 FBC
2	08.15.2023	James	UPDATE TO 2023 FBC

Drawn Date 08/15/2023	Drawn By MCY
--------------------------	-----------------

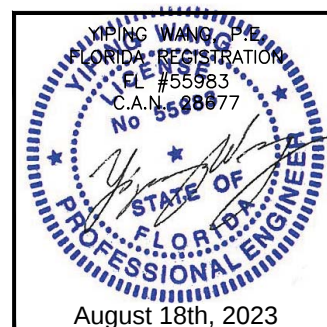
DRAWING NO.
AD19-30

BOM

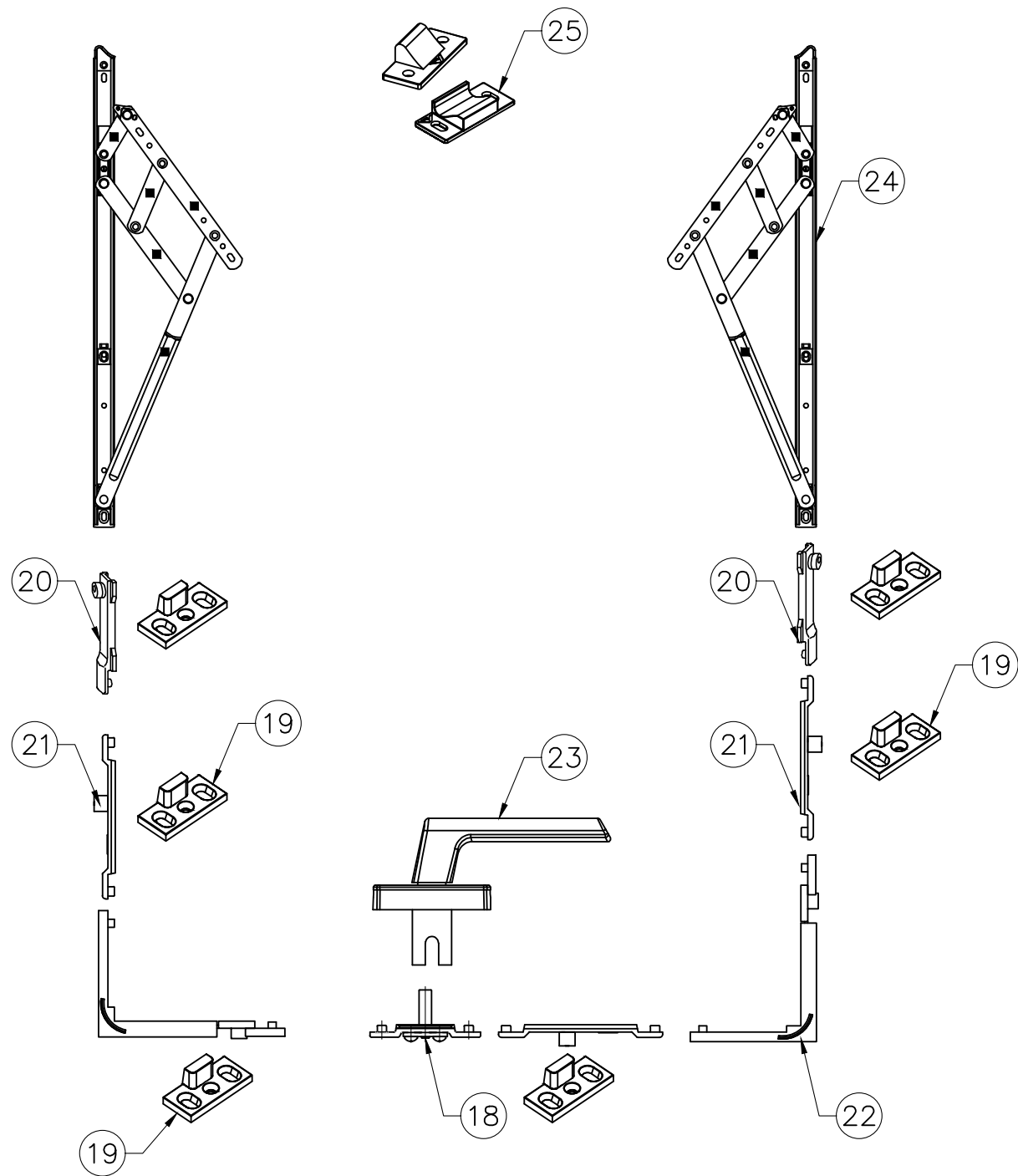
Sheet No.
7 OF 9

FLORIDA APPROVAL:

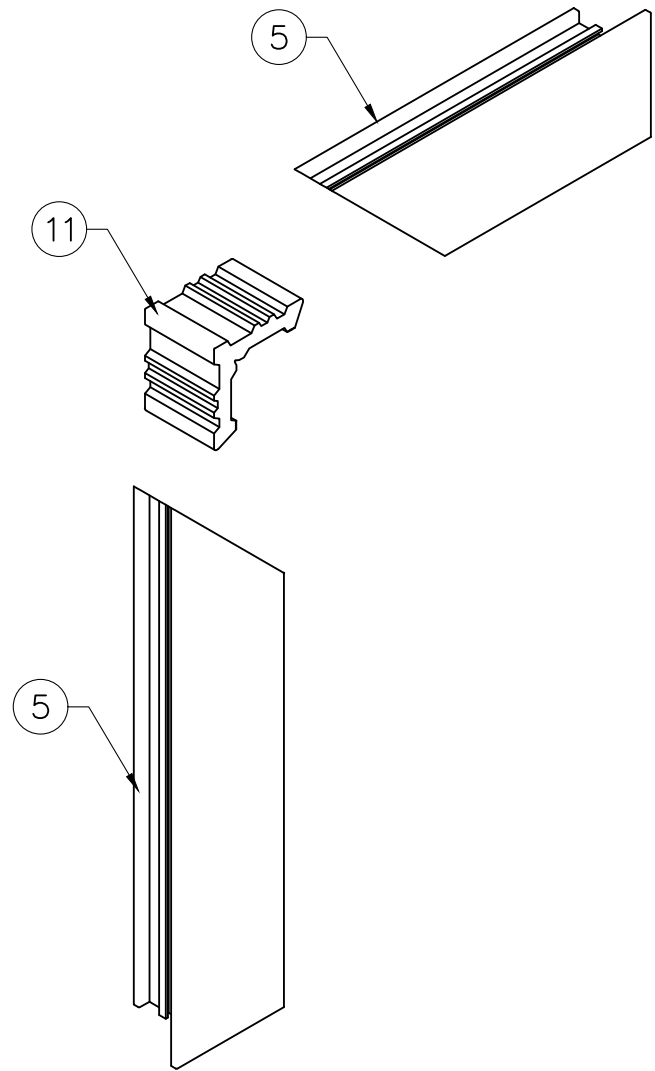
FL # 30922



August 18th, 2023



HARDWARE 3D VIEW



FRAME CORNER ASSEMBLY

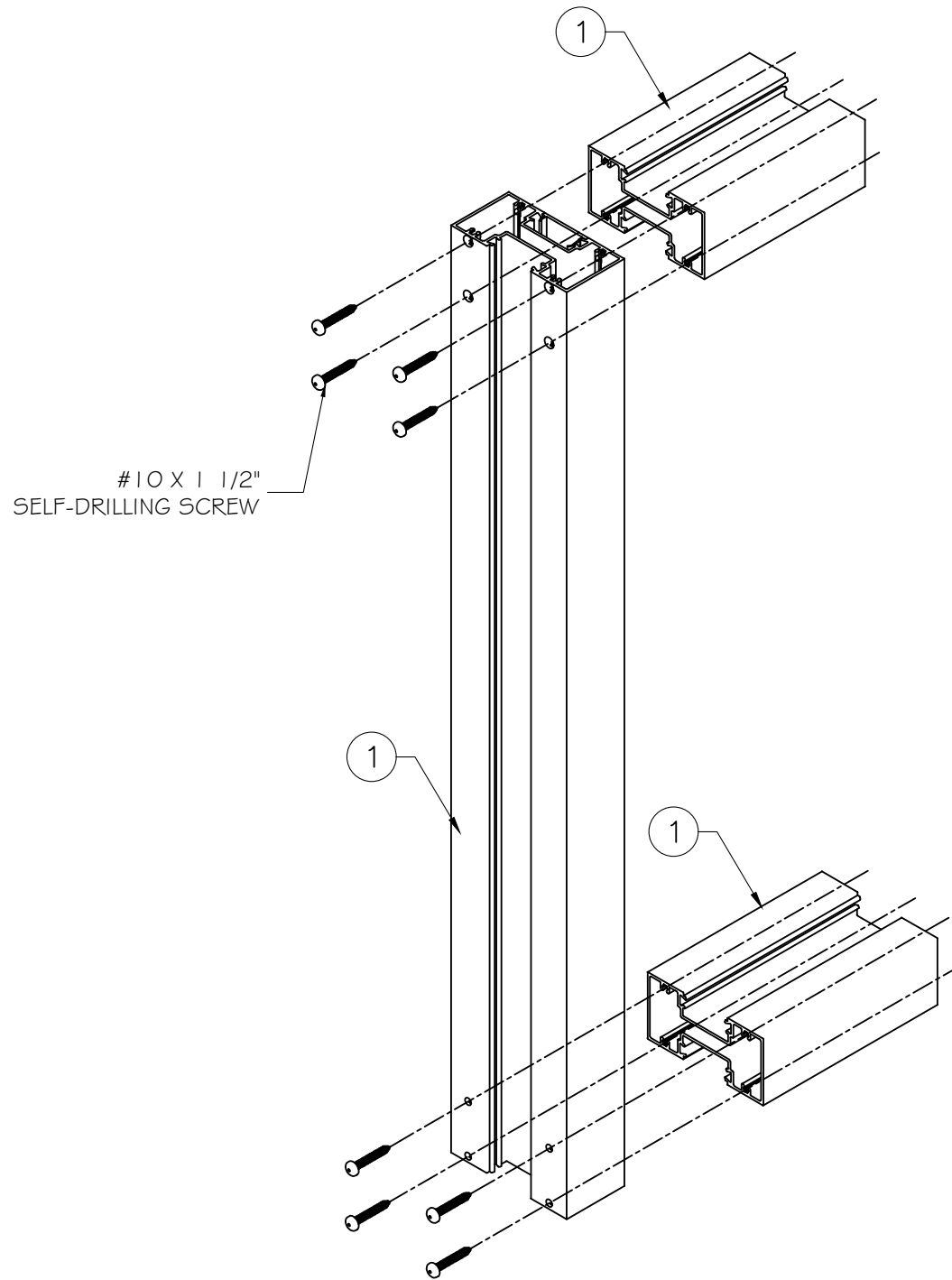
FLORIDA APPROVAL:
FL # 30922



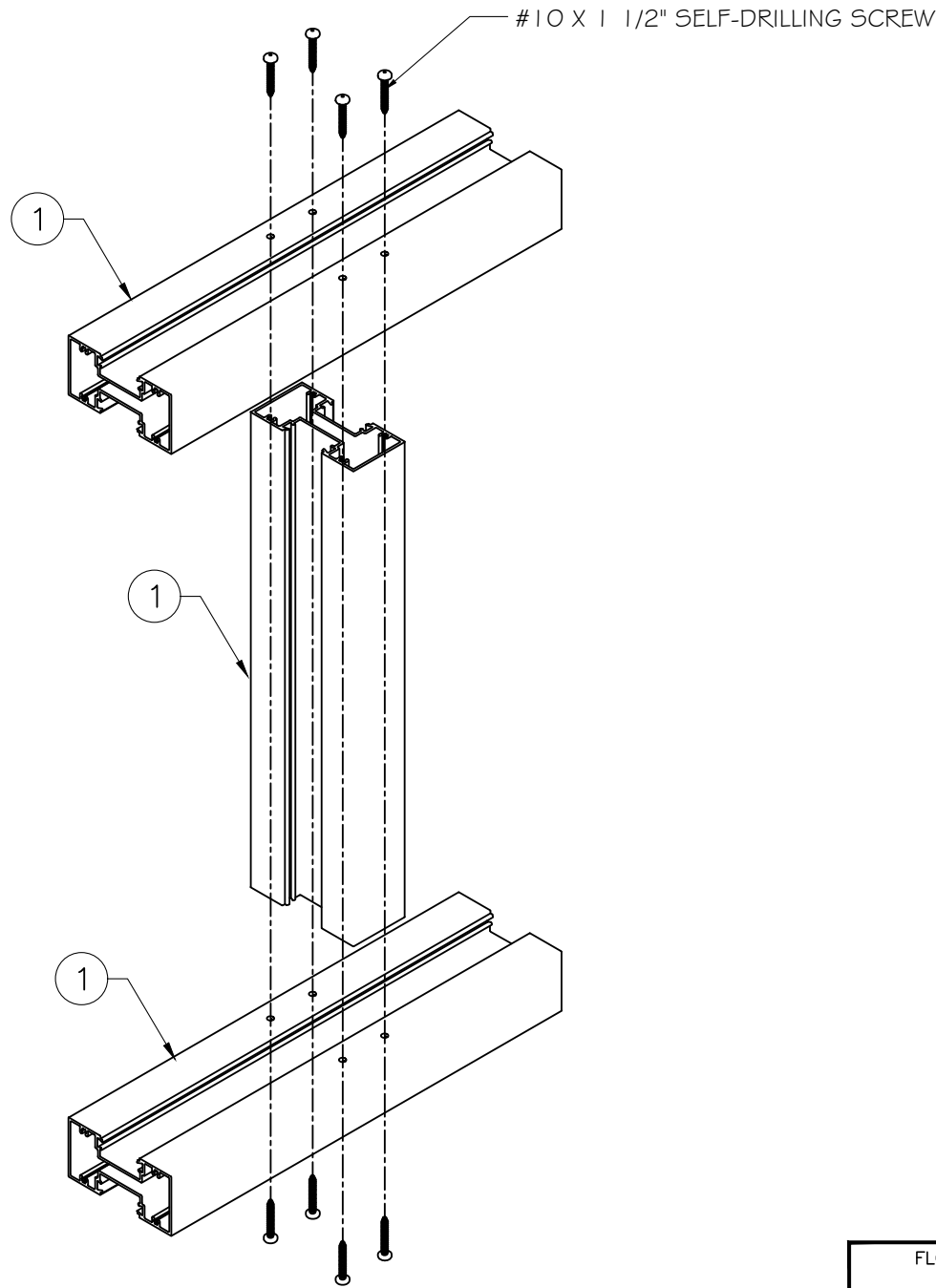
Rev. No.	Date	Drawn By	Description
2	08/15/2023	James	UPDATE TO 2023 FBC
2	03/04/2021	James	UPDATE TO 2020 FBC
1	12/03/2019	James	UPDATE TO 2017 FBC
DRAWING NO. AD19-30			
HW			
Sheet No. 8 OF 9			

SPA100 ALUMINUM AWNING WINDOW SYSTEM - L.M.I.
SHANGHAI SUPERHOUSE BUILDING MATERIAL CO., LTD
LEVEL 5, BUILDING 10, NO.8666 HUNAN RD, PUDONG NEW AREA
SHANGHAI, CHINA
TEL.86 021-5822 0630 CELL.86 135-8572-3609

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PARKWAY #301
MIRAMAR, FL 33027 P: 305.271.0117
www.MCYEngineering.com mcy@mcyengineering.com

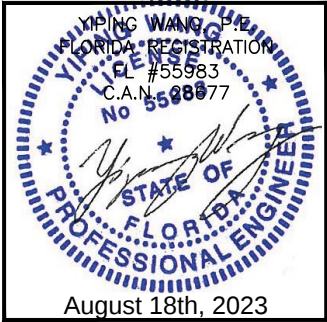


FRAME CORNER ASSEMBLY
TOP AND BOTTOM



FRAME ASSEMBLY
TOP AND BOTTOM

FLORIDA APPROVAL:
FL # 30922



MCY

ENGINEERING, INC.

GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301

MIRAMAR, FL 33027

P: 305.271.0117

www.MCYEngineering.com

mcy@mcyengineering.com

SPA100 ALUMINUM AWNING WINDOW SYSTEM - L.M.I.

SHANGHAI SUPERHOUSE BUILDING MATERIAL CO., LTD

LEVEL 5, BUILDING 10, NO.8666 HUNAN RD, PUDONG NEW AREA

SHANG HAI, CHINA

TEL.86 021-5822 0630 CELL.86 135-8572-3609

Rev. No.	Date	Drawn By	Description
2	08/15/2023	James	UPDATE TO 2023 FBC
2	03/04/2021	James	UPDATE TO 2020 FBC
1	12/03/2019	James	UPDATE TO 2017 FBC

Drawn Date
08/15/2023

Drawn By
MCY

DRAWING NO.
AD19-30

ISO

Sheet No.
9 OF 9