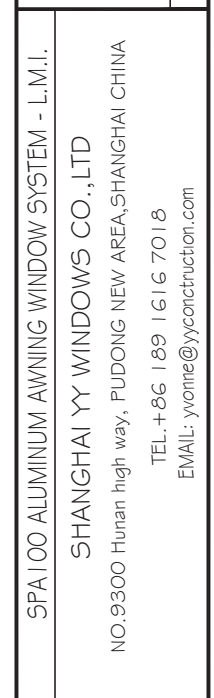


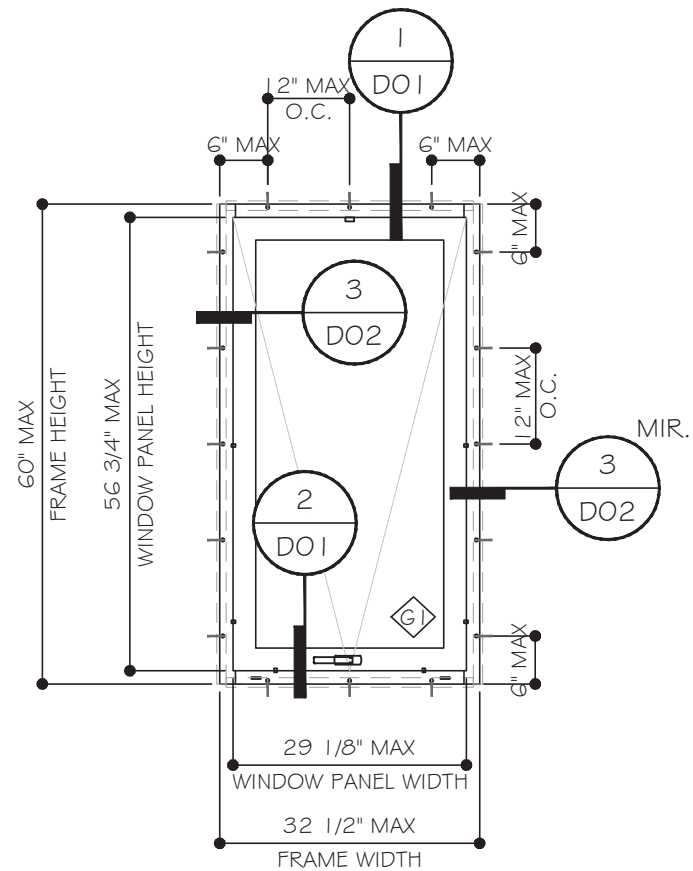
MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PARKWAY #301
MIRAMARI, FL. 33027 P: 305.271.0117

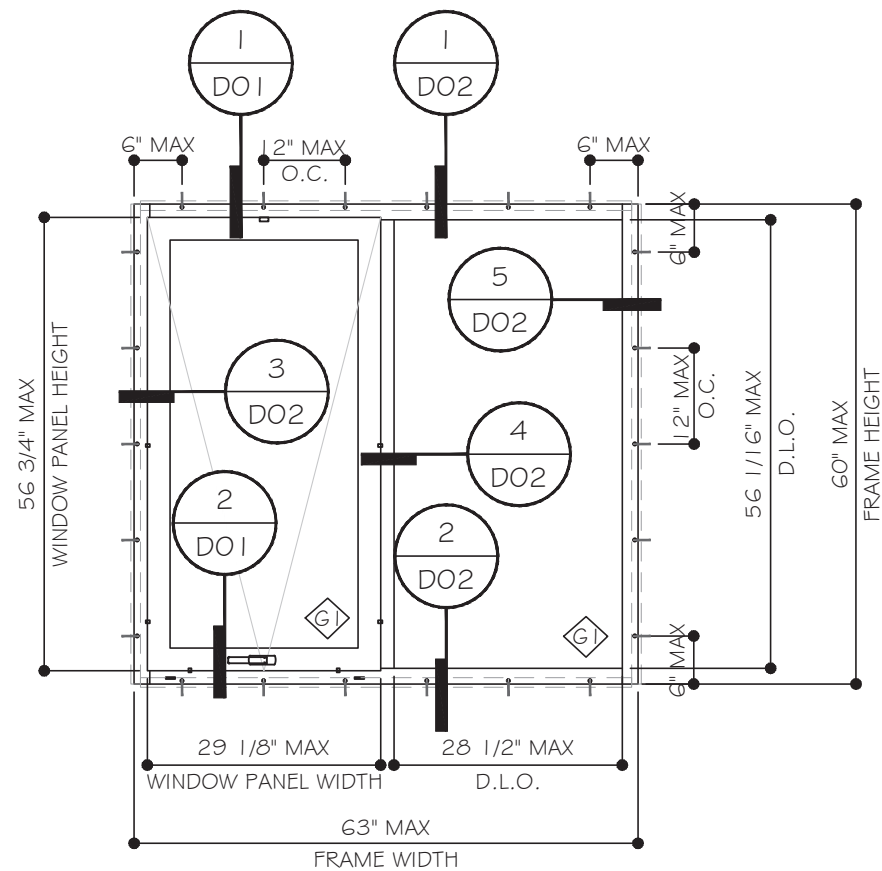
www.MCYEngineering.com mcy@mcyengineering.com

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Drawn Date 12.07.2023	Scale AS SHOWN
DRAWING NO. AD22-19	
COVER	
Sheet No. 1 OF 9	



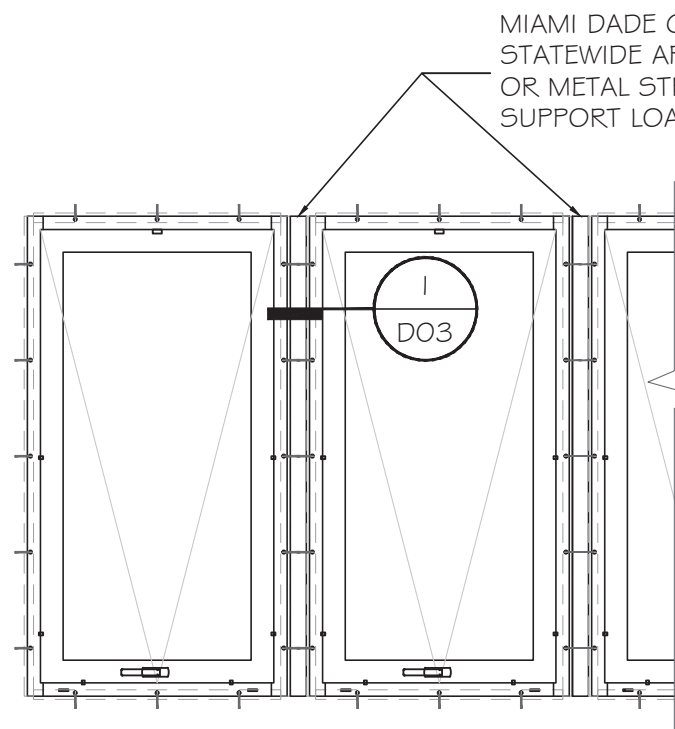
TYPICAL EXTERIOR ELEVATIONS



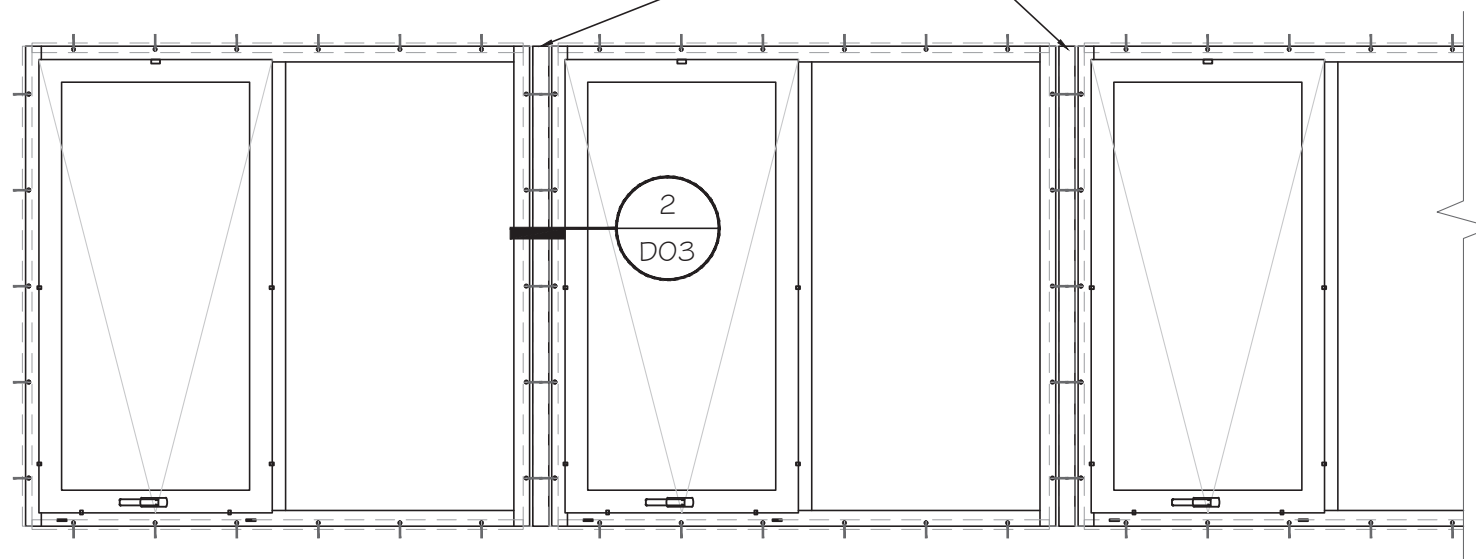
TYPICAL EXTERIOR ELEVATIONS
W/FIXED WINDOW

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

SEE HARDWARE ON SHEET 'HW'



MIAMI DADE COUNTY OR FLORIDA
STATEWIDE APPROVED MULLION
OR METAL STRUCTURE ADEQUATE TO
SUPPORT LOADS IMPOSED ON IT.



MIAMI DADE COUNTY OR FLORIDA
STATEWIDE APPROVED MULLION
OR METAL STRUCTURE ADEQUATE TO
SUPPORT LOADS IMPOSED ON IT.

FLORIDA APPROVAL:
FL # 41574

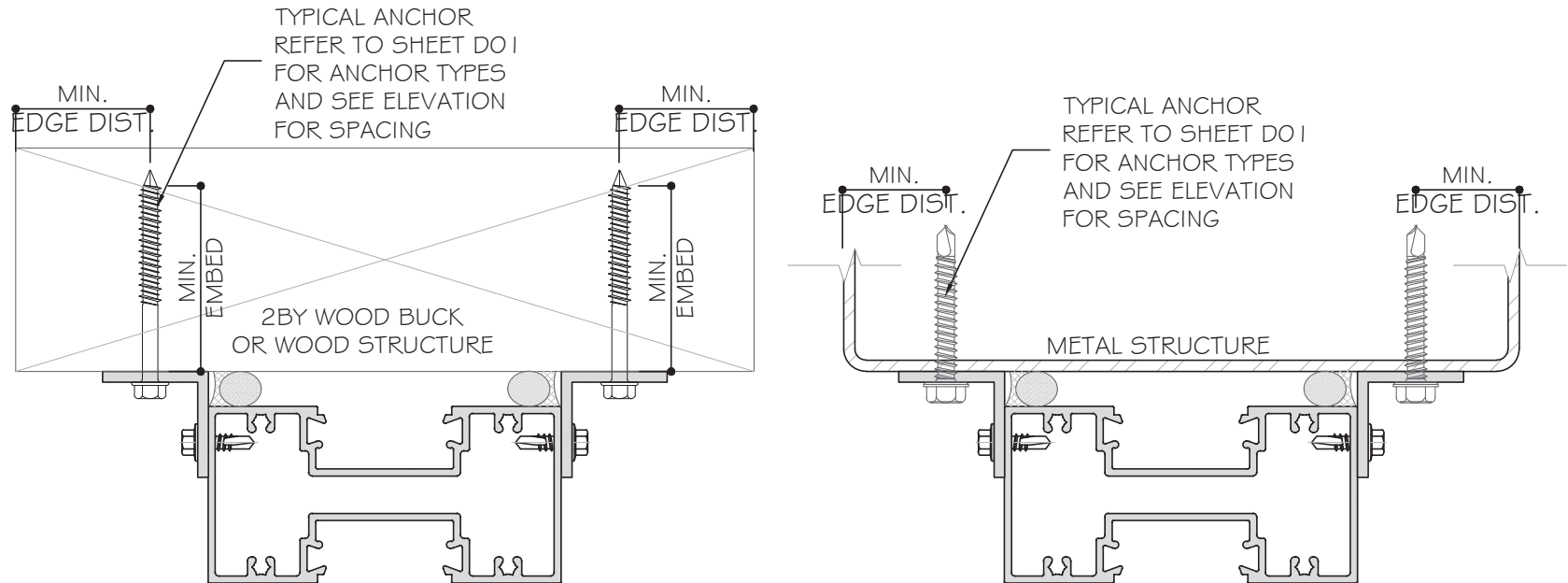
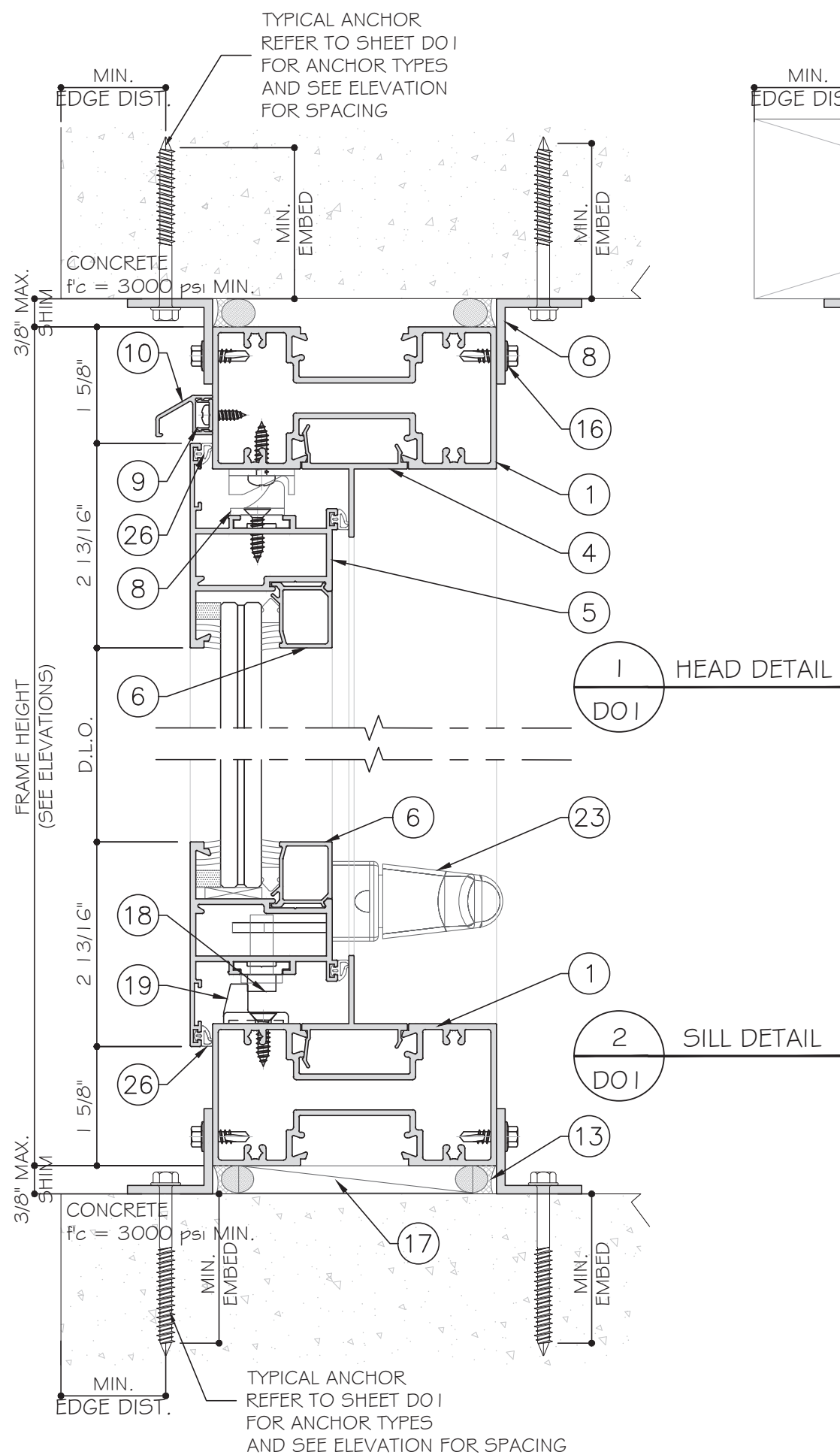
YONG WANG
FLORIDA REGISTRATION
FL #55983
C.A.N. 28877
December 12th, 2023

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SPALCO ALUMINUM AWNING WINDOW SYSTEM - L.M.I.
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TEL: +86 189 1616 7018
EMAIL: ywome@yiconstruction.com

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R2	12.07.2023	James	FBC 2023
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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

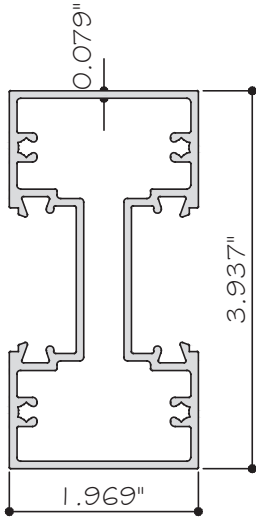
TYPE A: 1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u = 164\text{KSI}$, $F_y = 148\text{KSI}$) INTO 2BY WOOD BUCKS OR WOOD STRUCTURE 1-1/2" MIN. PENETRATION INTO WOOD OR THRU WOOD BUCK INTO CONCRETE OR BLOCK WITH 1 3/4" MIN. EMBED

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

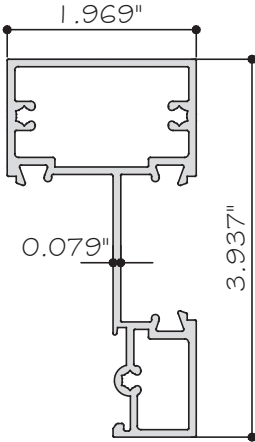
TYPE B: #14 SMS ($F_u = 74\text{KSI}$, $F_y = 57\text{KSI}$) OR TEKs OR SELF DRILLING SCREWS (GRADE 5 CRS) ($F_u = 120\text{KSI}$, $F_y = 92\text{KSI}$) INTO MIAMI-DADE COUNTY APPROVED MULLION OR (1) INTO METAL STRUCTURES (2) THREADS MIN. TO EXTEND BEYOND METAL THICKNESS ALUMINUM: 1/8" THK. MIN. (6063-T5 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.



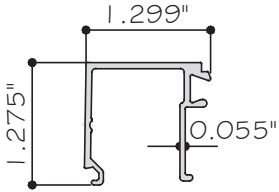
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Drawn Date	12.07.2023	Scale	AS SHOWN
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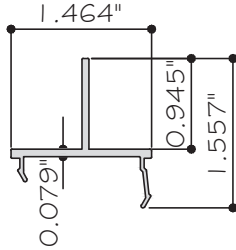
① WINDOW FRAME
SPA10159 6063-T5



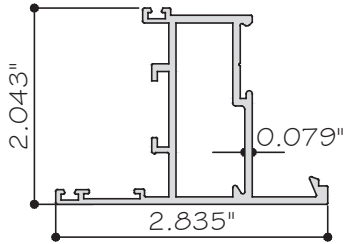
② WINDOW FRAME
SPA10154 6063-T5



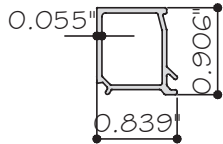
③ GLASS BEAD
SPA10155 6063-T5



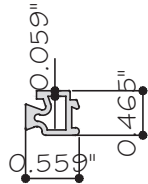
④ ADAPTOR
SPA10156 6063-T5



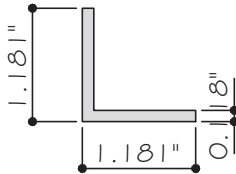
⑤ SASH
SPA10009A 6063-T5



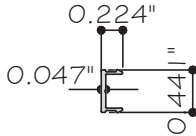
⑥ BEAD
SPA10160 6063-T5



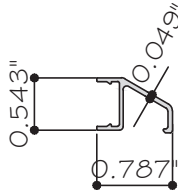
⑦ SINGLE GLASS ADAPTOR
SPA10016 6063-T5



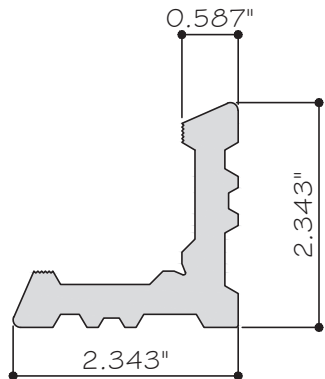
⑧ ALUMINUM ANGLE
0325 6063-T5



⑨ SKEW FILLER
JNSP10005 6063-T5

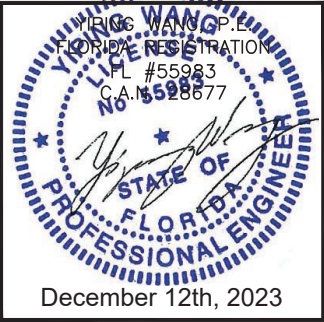


⑩ SKEW FILLER
JNSP10006 6063-T5



⑪ CLAMPING CORNER
JN6402 6063-T5

FLORIDA APPROVAL:
FL # 41574



Rev. No.	Date	Drawn By	Description
R2	12.07.2023	James	FBC 2023
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PARTS			
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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	CSDH8630	FRICTION HINGE	STAINLESS STEEL	-
25	SAP771867	HIDDEN LOCK	-	-
26	SBW-26955	EPDM GASKET	EPDM, 70±5 SHORE A	-

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EMAIL: wonne@yconstruction.com

R2	12.07.2023	James	FBC 2023
Rev. No.	Date	Drawn By	Description

Drawn Date 12.07.2023	Scale AS SHOWN
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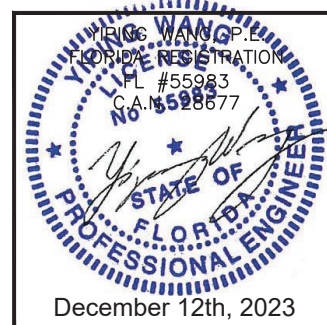
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AD22-19

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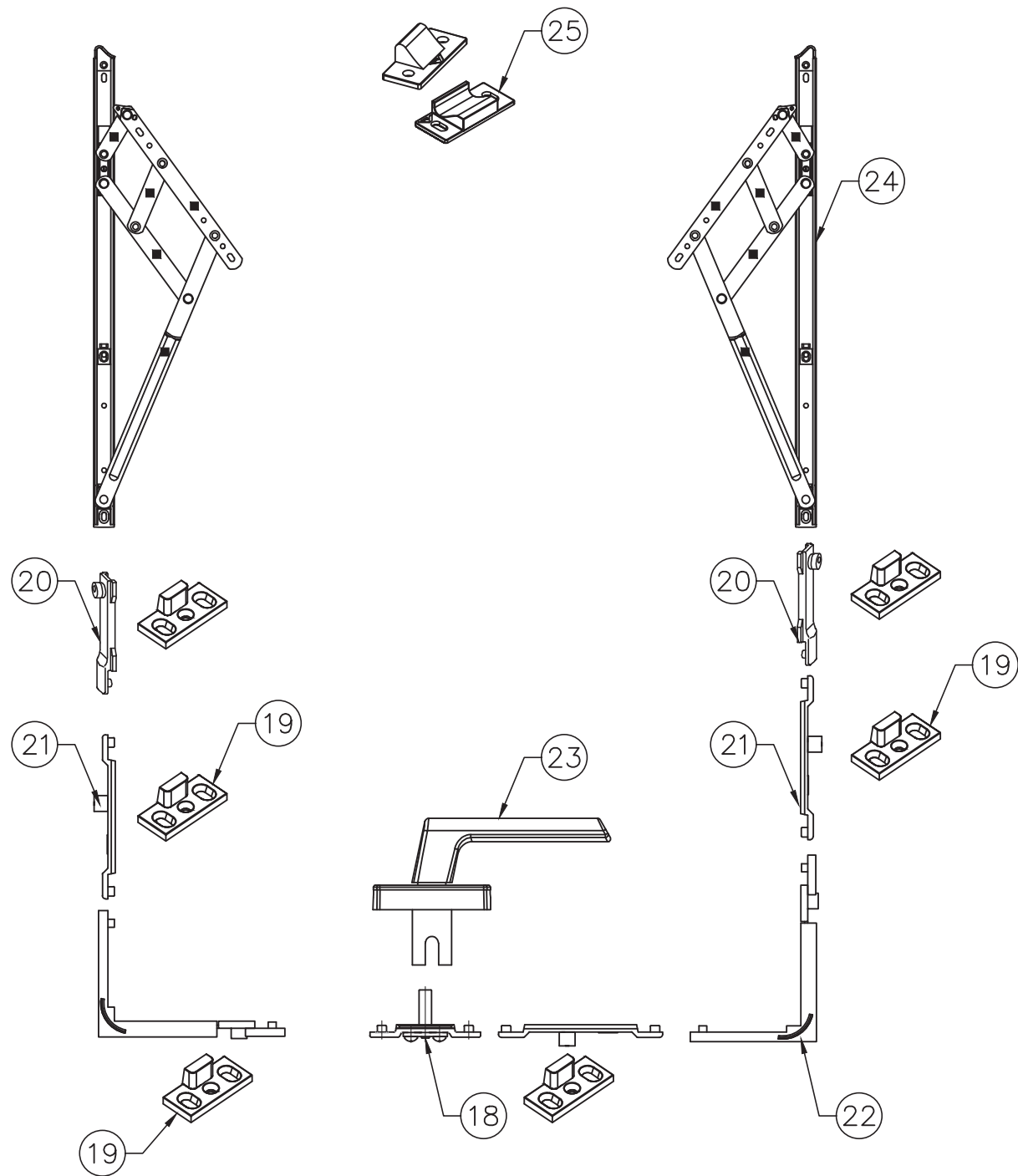
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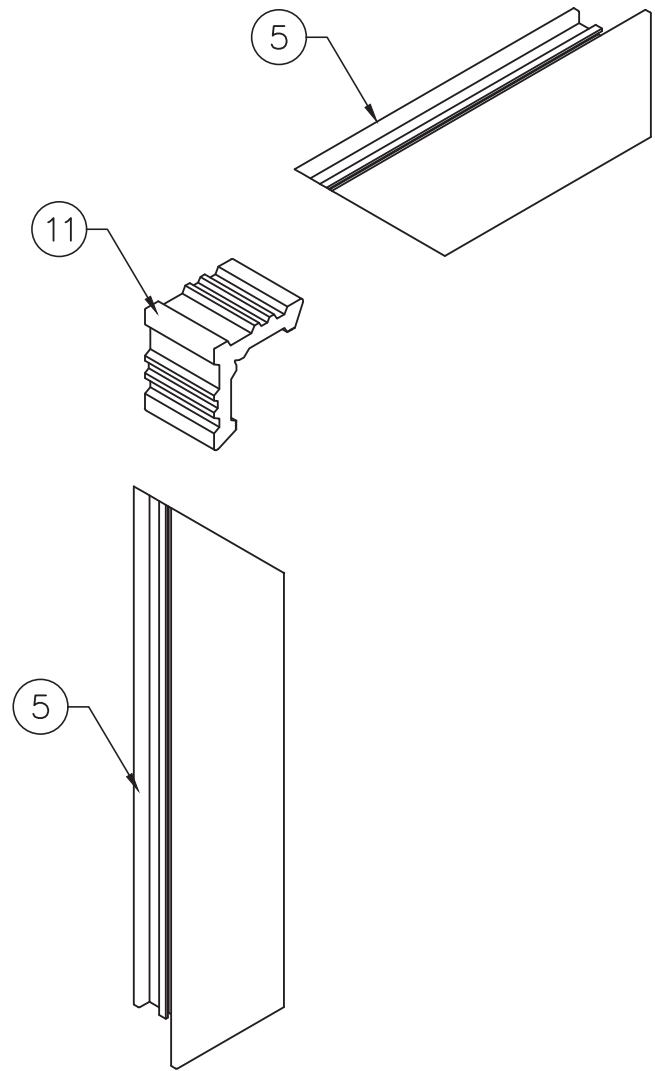
FL # 41574



December 12th, 2023



HARDWARE 3D VIEW



FRAME CORNER ASSEMBLY

FLORIDA APPROVAL:
FL # 41574

YONG WANG
P.E.
FLORIDA REGISTRATION
No. 55983
C.A.N. 559877

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Drawing Date 12.07.2023		Scale AS SHOWN	
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R2		FBC 2023	
Drawn By		James	
Date		12.07.2023	

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HW

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8 OF 9

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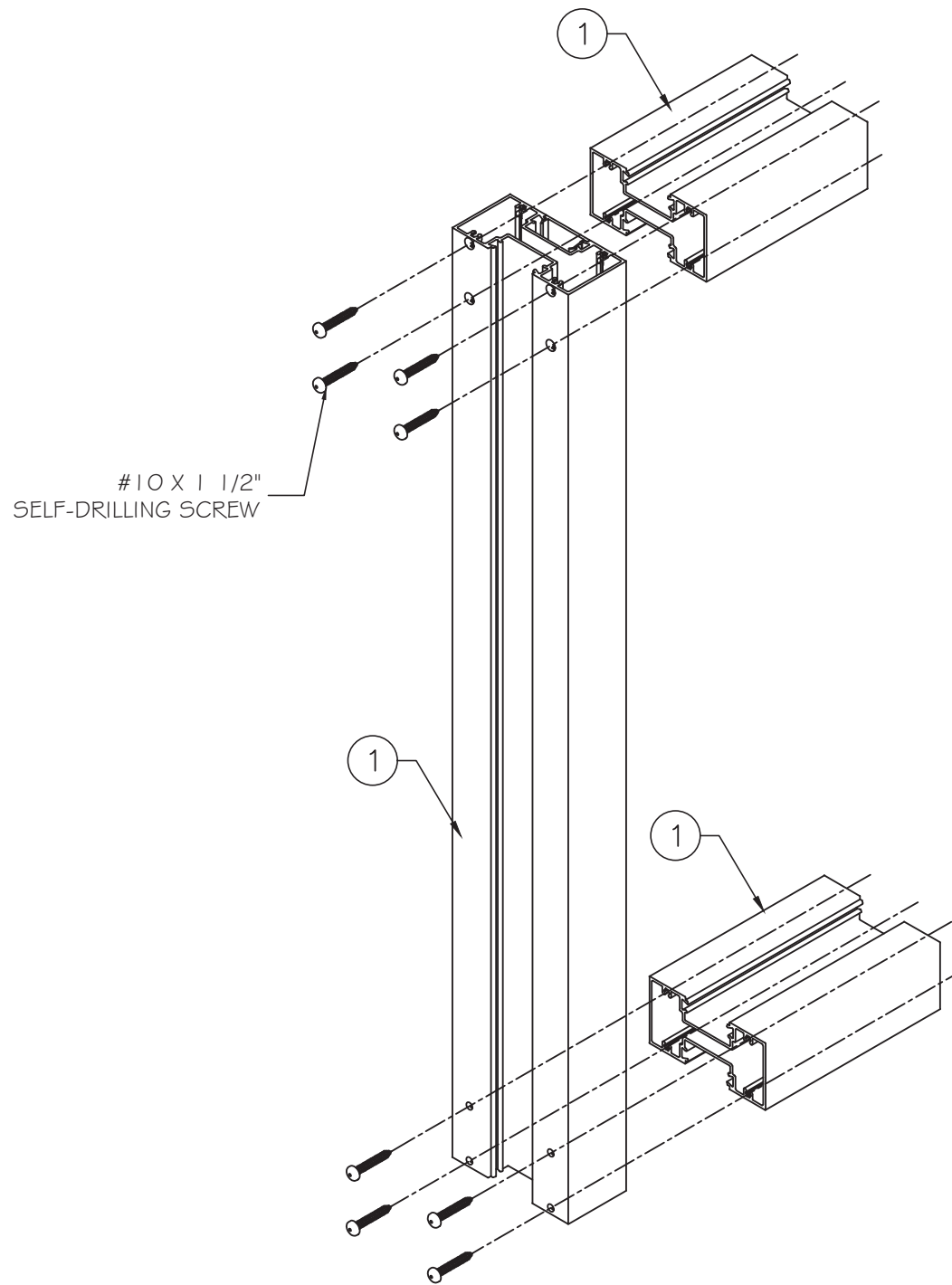
12781 MIRAMAR PARKWAY #301
MIRAMARI, FL 33027
P: 305.271.0117
mcy@mcyengineering.com

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

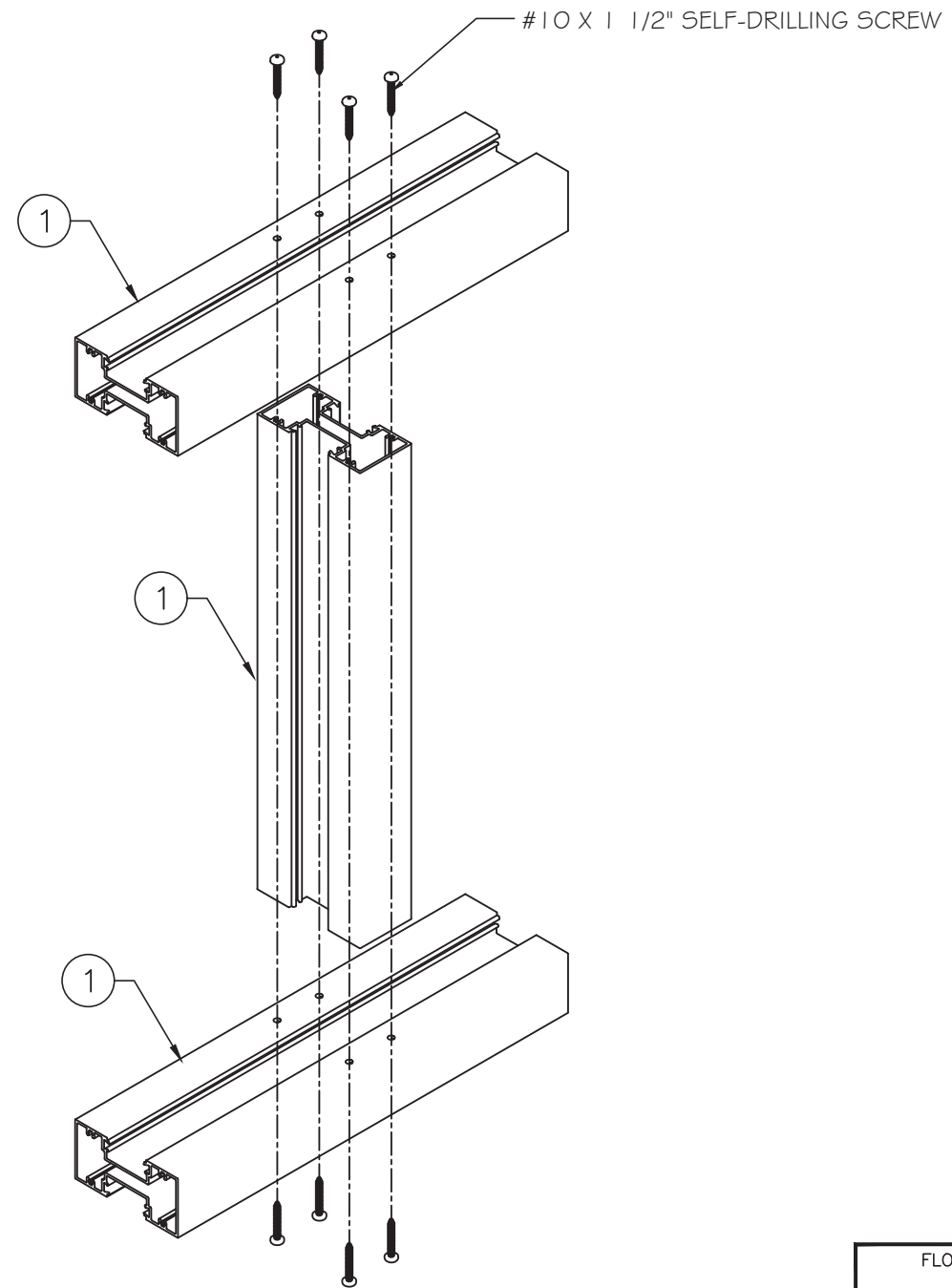
SHANGHAI YY WINDOWS CO.,LTD

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TEL:+86 189 1616 7018
EMAIL: ywome@yyconstruction.com



FRAME CORNER ASSEMBLY
TOP AND BOTTOM



FRAME ASSEMBLY
TOP AND BOTTOM

FLORIDA APPROVAL:
FL # 41574

YONG WANG, P.E.
FLORIDA REGISTRATION
No. 55983
C.A. # 559877
December 12th, 2023

MCY ENGINEERING, INC.
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Drawn Date 12.07.2023	Scale AS SHOWN	Rev. No. R2	Drawn By James	Description FBC 2023
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