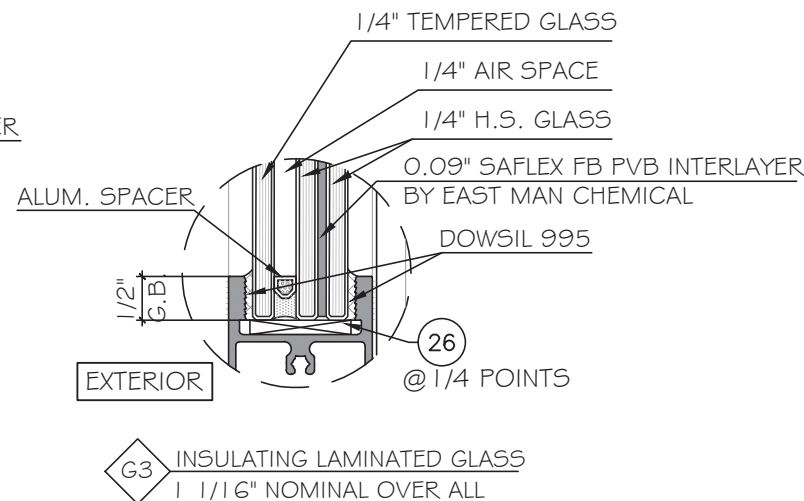
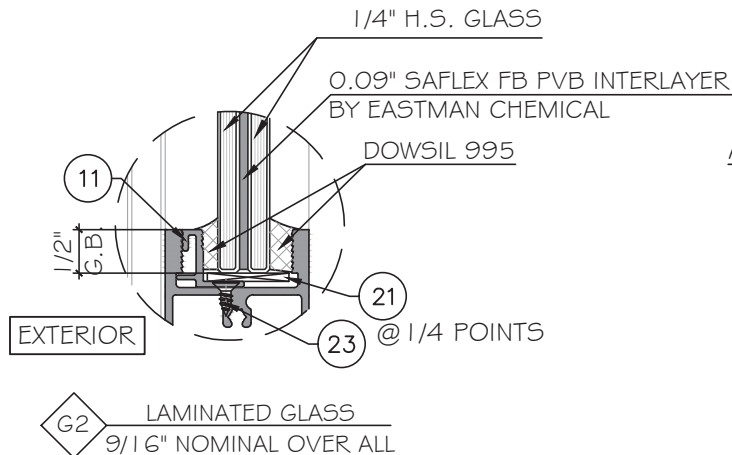
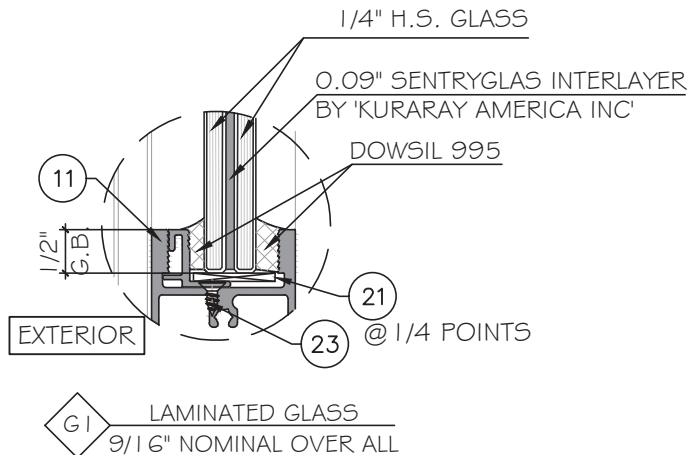


SERIES SPA100 AND SPA150 SLIDING GLASS DOOR - L.M.I.



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 8TH EDITION FLORIDA BUILDING CODE (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- DOORS 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 DOORS 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.

-SEALANTS:

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

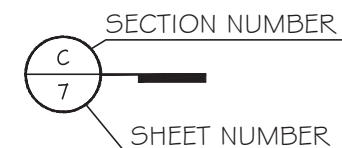
MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE LABELING TO COMPLY WITH SECTION 1709.9.2.

USE CHARTS AS FOLLOWS.

- STEP 1: DETERMINE 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 & E2 FOR TYPICAL STOREFRONT ELEVATION.
- STEP 3: SEE SHEET A1 & A2 FOR ANCHOR OPTIONS. SEE SHEET E1 & E2 FOR ANCHOR LAYOUT.
- STEP 4: THE LOWEST VALUE RESULTING FROM STEPS 2 & 3 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THROUGH 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

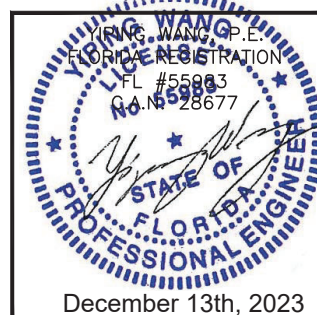


LIMITATIONS OF USE

- 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 E.O.R. 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 # 41578

[illegible]

SERIES SPA100 AND SPA150 SLIDING GLASS DOOR - L.M.I.

SHANGHAI YY WINDOWS CO., LTD.

HAIYING ROAD, BINHAI INDUSTRIAL AREA QIDONG, NANTONG, JIANGSU 201300, China

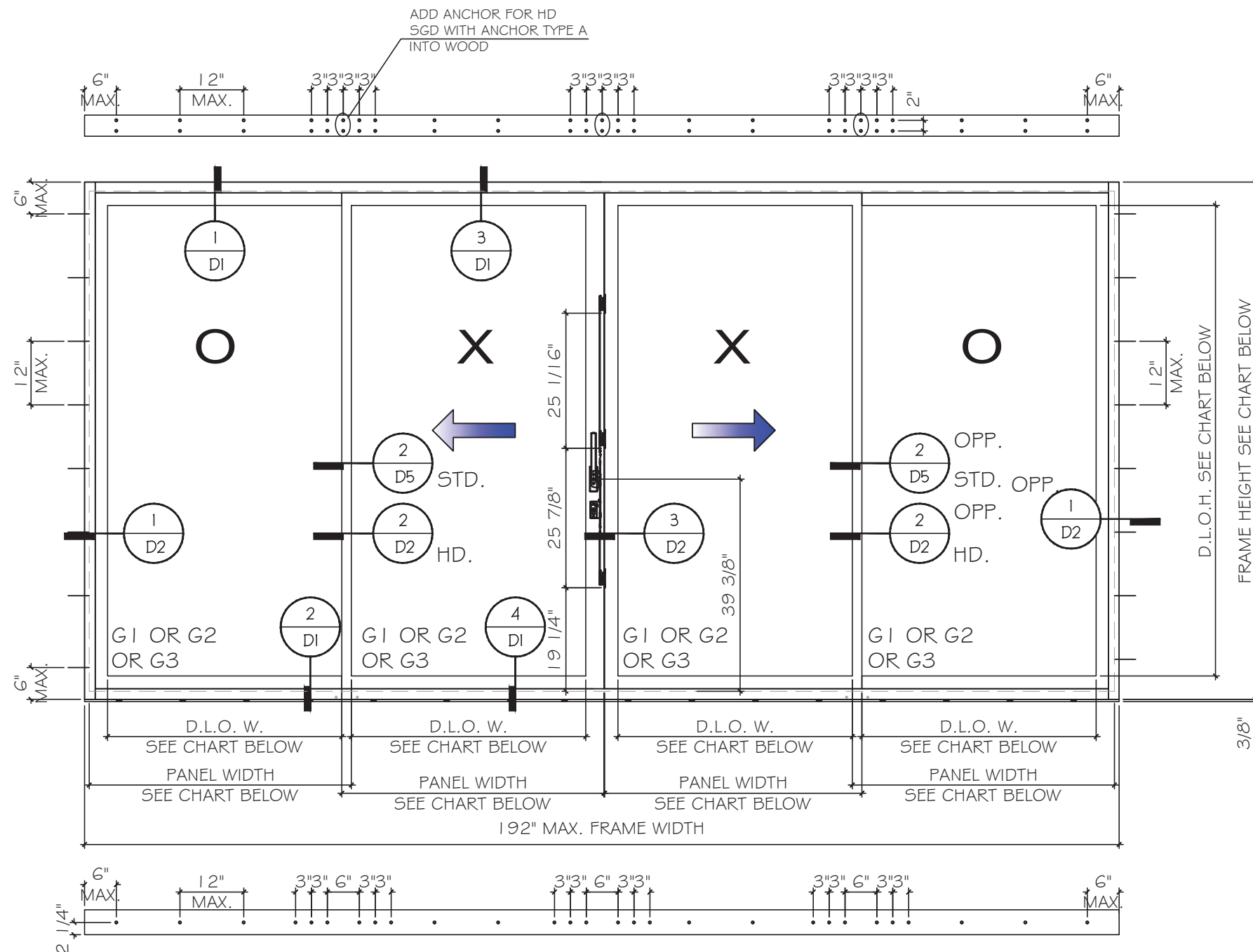
EMAIL: info@yyconstruction.com

P: +61 481 978 888

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL 33027 P: 305 271-0117

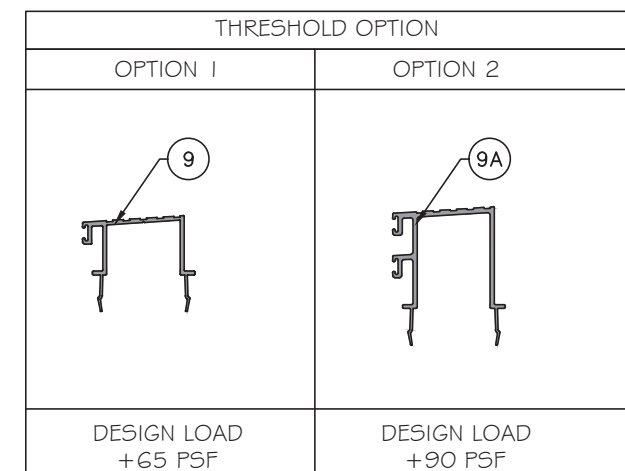
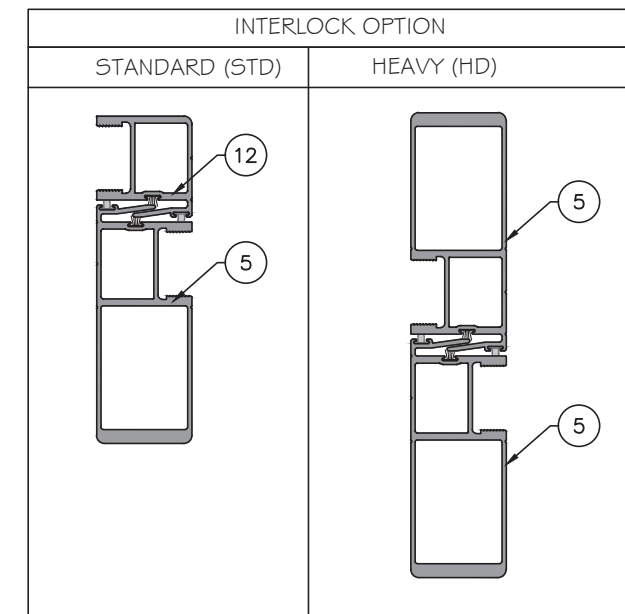
www.MCYEngineering.com mcy@mcysengineering.com



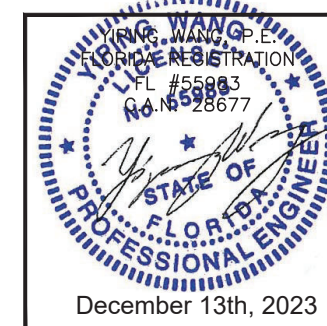
SERIES 100 TYPICAL EXTERIOR ELEVATIONS
TWO TRACK OXXO

GLASS TYPE	DIMENSIONS		DIMENSIONS		INTERLOCK OPTION	DESIGN LOADS (PSF)		HARDWARE OPTION
	PANEL WIDTH MAX.	FRAME HEIGHT MAX.	D.L.O.W. MAX.	D.L.O.H. MAX.		EXT. (+)	INT. (-)	
	IN.	IN.	IN.	IN.				
G1	48 5/8"	96"	43 1/2"	87 3/8"	HD	90	110	#1 & #2
G1, G2, G3	48 5/8"	96"	43 1/2"	87 3/8"	STD	65	65	#3
G3	48 5/8"	108"	43 1/2"	99 3/8"	HD	65	65	#1

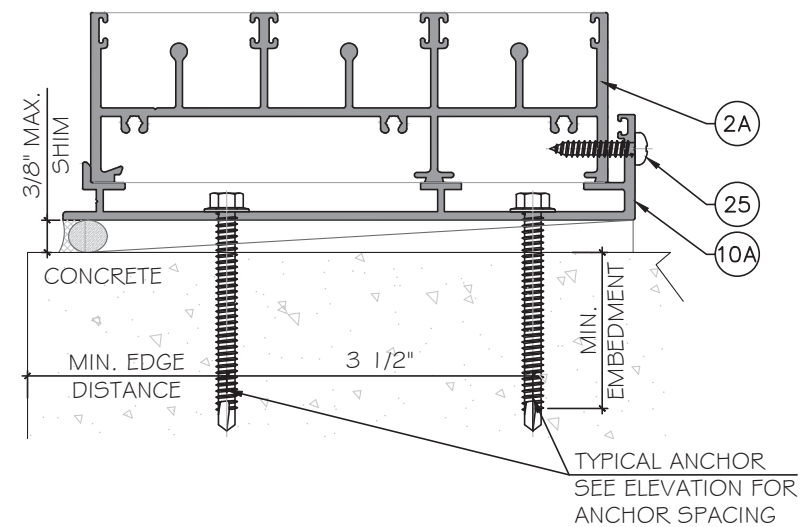
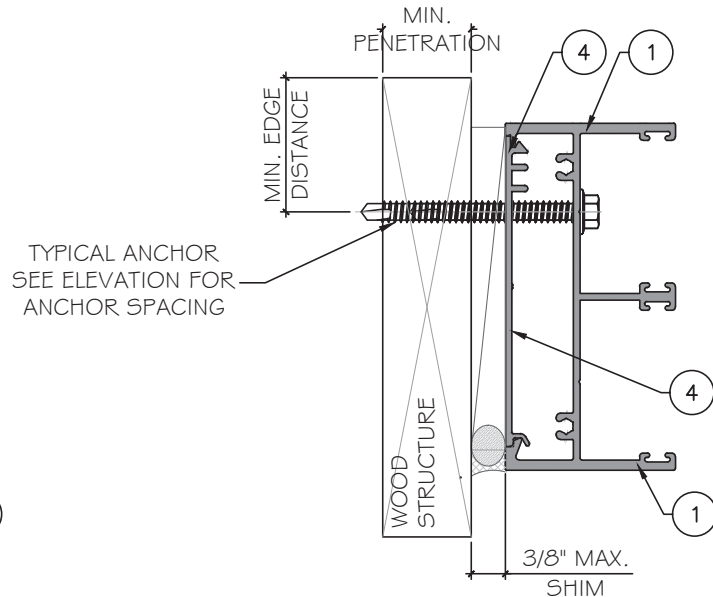
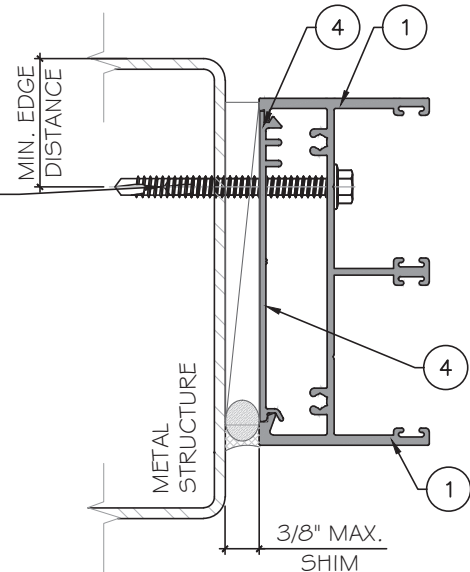
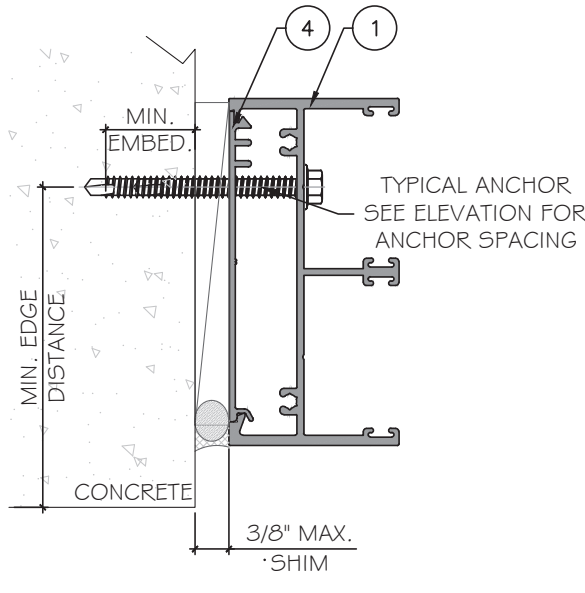
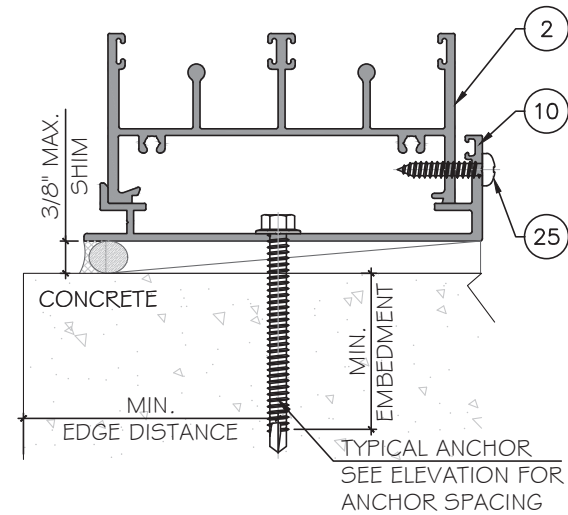
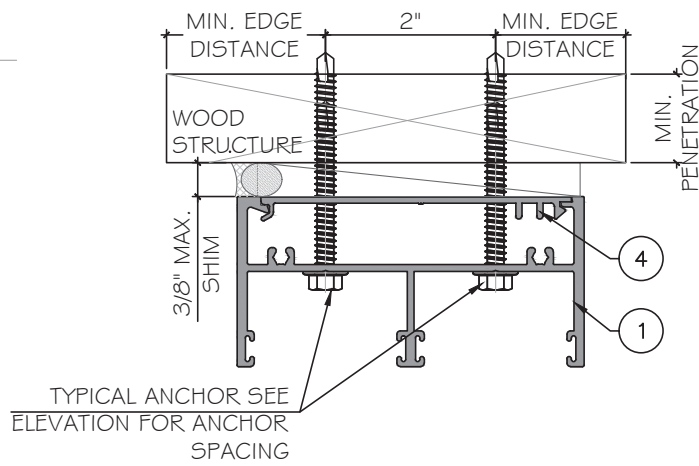
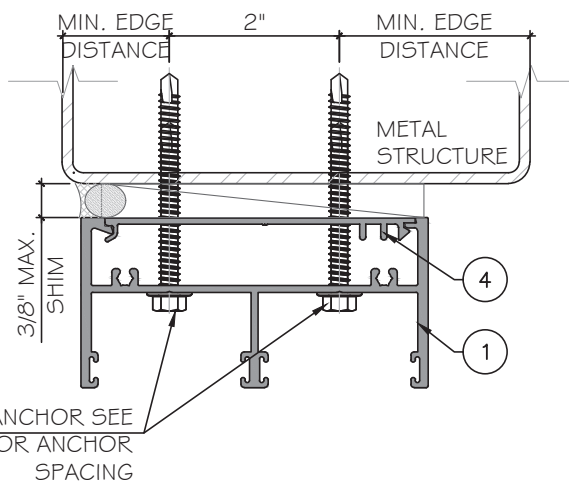
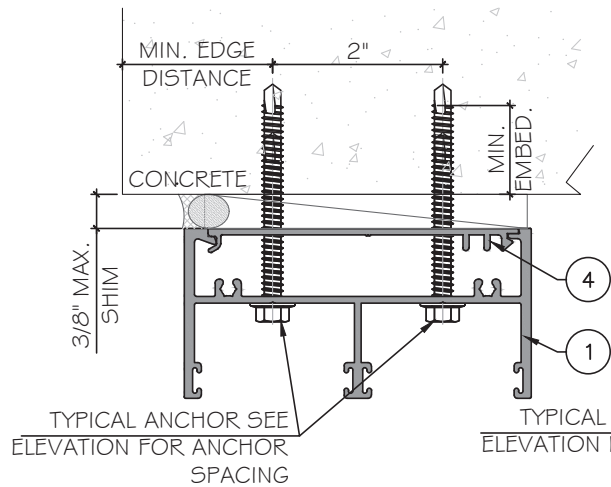
NOTE: FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC



FLORIDA APPROVAL:
FL # 41578



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TYPICAL ANCHOR TYPES:
SEE ELEVATIONS FOR SPACING

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

TYPE "B": 1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u = 164 \text{ KSI}$, $F_y = 148 \text{ KSI}$)
DIRECTLY INTO CONCRETE ($f'_c = 3000 \text{ PSI MIN.}$)
WITH 1 3/4" MIN. EMBED
DIRECTLY INTO HOLLOW BLOCK (JAMB ONLY)
WITH 1 1/4" MIN. EMBED.

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

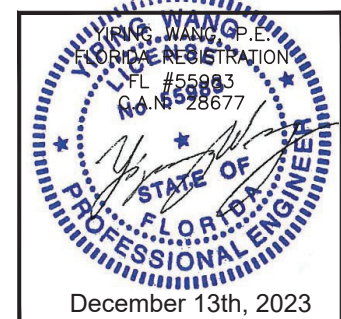
TYPE "C": 1/4" TEKS SELF DRILLING SCREW (GRADE 5) ($F_u = 120 \text{ KSI}$, $F_y = 90 \text{ KSI}$)
INTO APPROVED MULLIONS
INTO METAL STRUCTURE
STEEL: 12 GA. MIN. ($F_y = 36 \text{ KSI MIN.}$)
ALUMINUM: 1/8" THK. MIN. (6063-T6 MIN.)
(STEEL IN CONTACT WITH ALUMINUM TO BE PLATED OR PANTED)

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

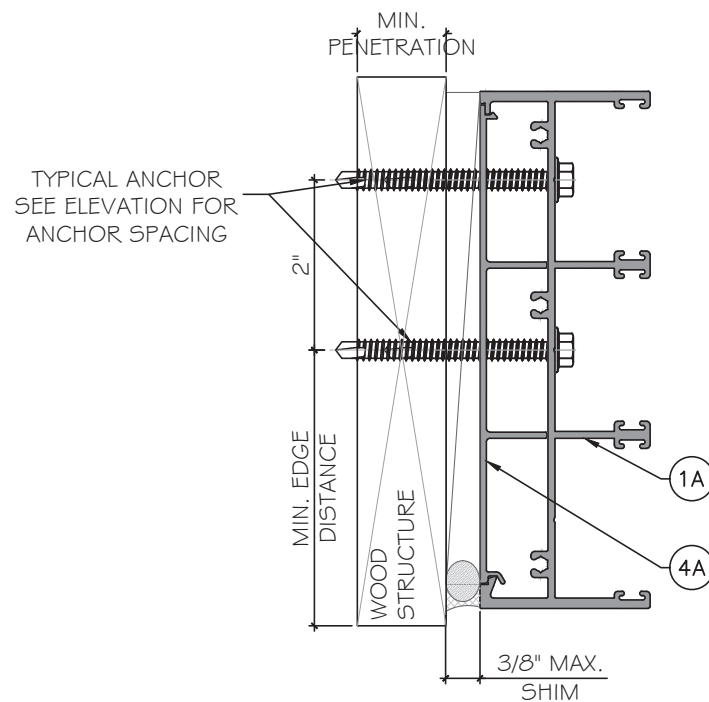
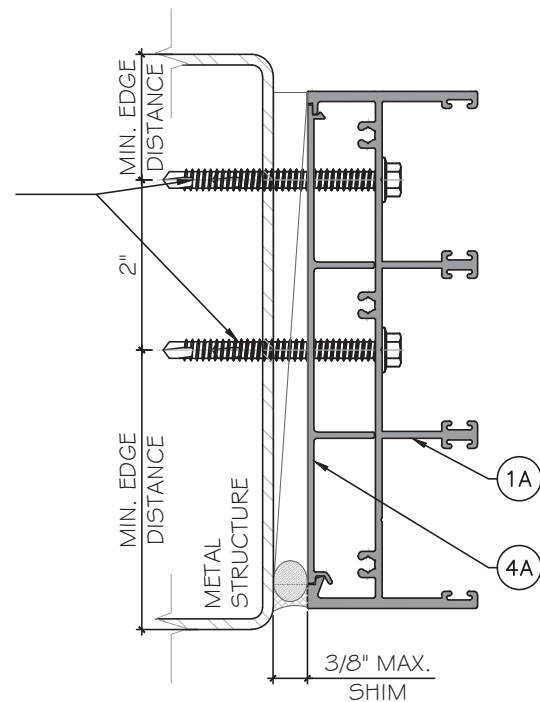
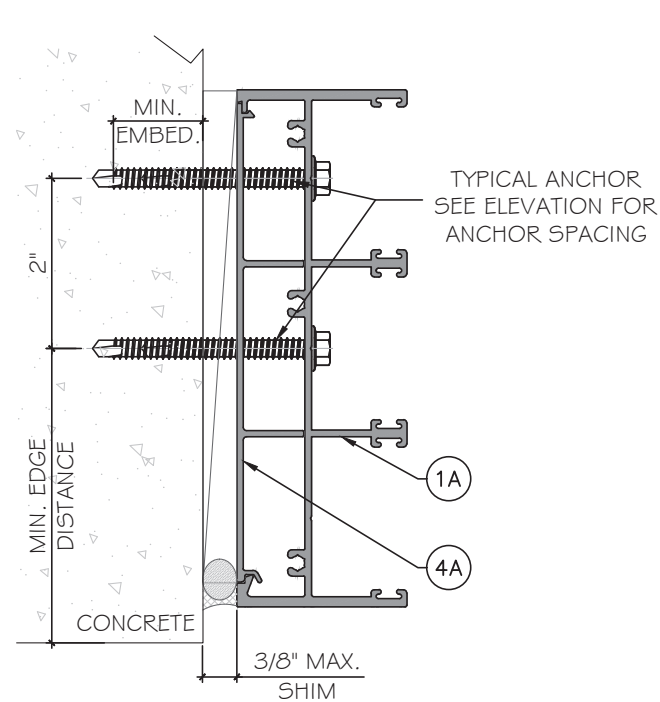
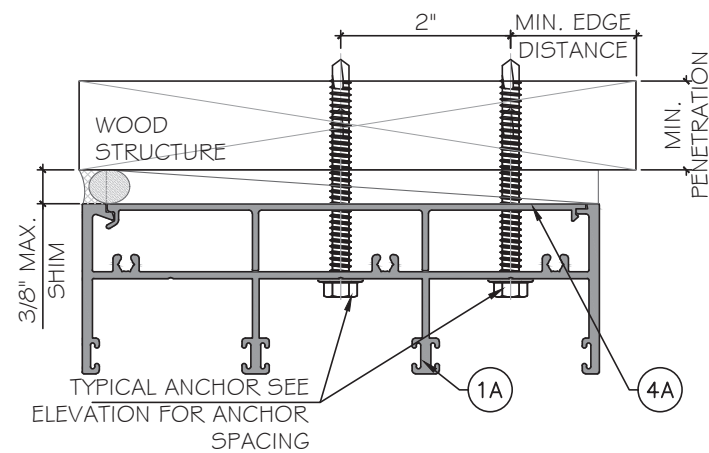
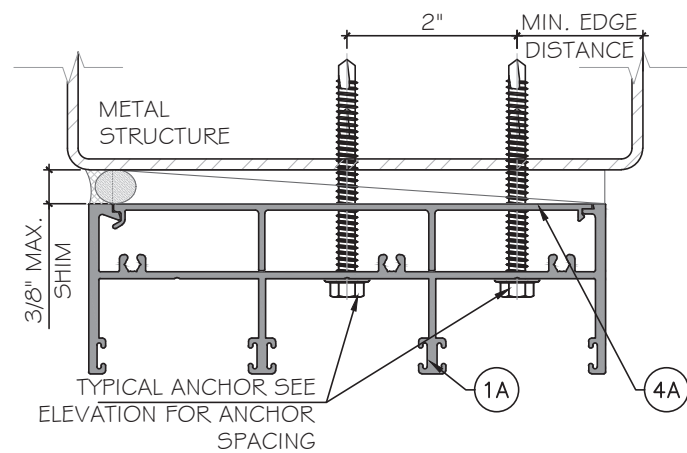
WOOD SG = 0.55 MIN. (HEAD & JAMB)
CONCRETE $f'_c = 3000 \text{ PSI MIN.}$ (HEAD & SILL & JAMB)
C-90 HOLLOW/FILLED BLOCK $f'_m = 2000 \text{ PSI MIN.}$ (JAMB ONLY)
NORMAL STRENGTH CMU

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

FLORIDA APPROVAL:
FL # 41578



Rev. No.	Date	Drawn By	Description
R2	12.13.2023	James	FBC 2023
DRAWING NO. AD22-23			
Sheet No. A1			
4 OF 14			



IRVING WANG, P.E.
FLORIDA REGISTRATION
FL #55983
G.A. No. 28677

Irving Wang

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

December 13th, 2023

						FBC 2023	Description
						Jamies	Drawn By
						12.13.2023	Date
					R2	Rev:	No.
Drawn Date 06.08.2022						Drawn By	
DRAWING NO. AD22-23							
A2							
Sheet No. 5 OF 14							

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL 33027 P: 305 271-0111
www.MCYEngineering.com mcy@mcvengineering.com

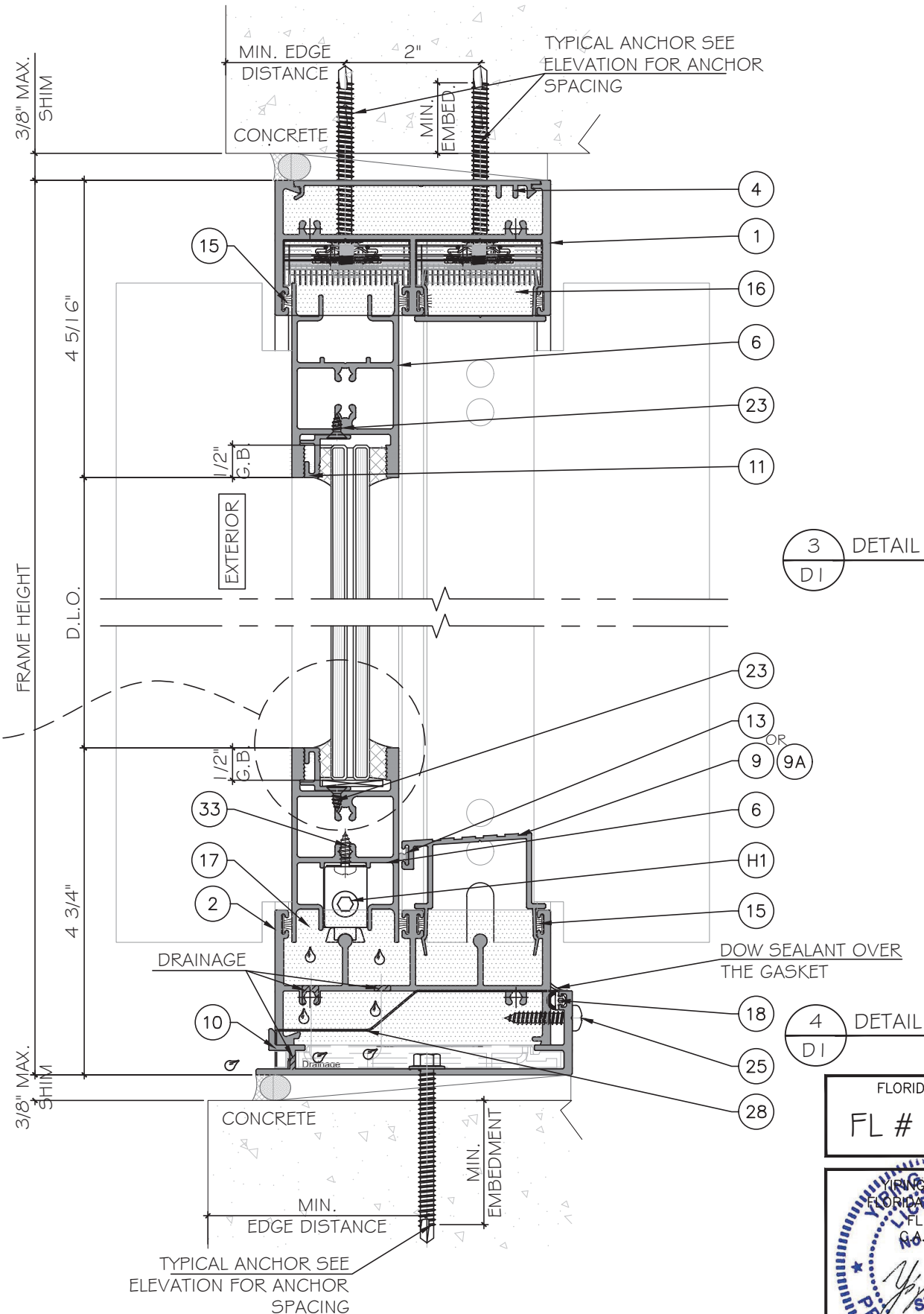
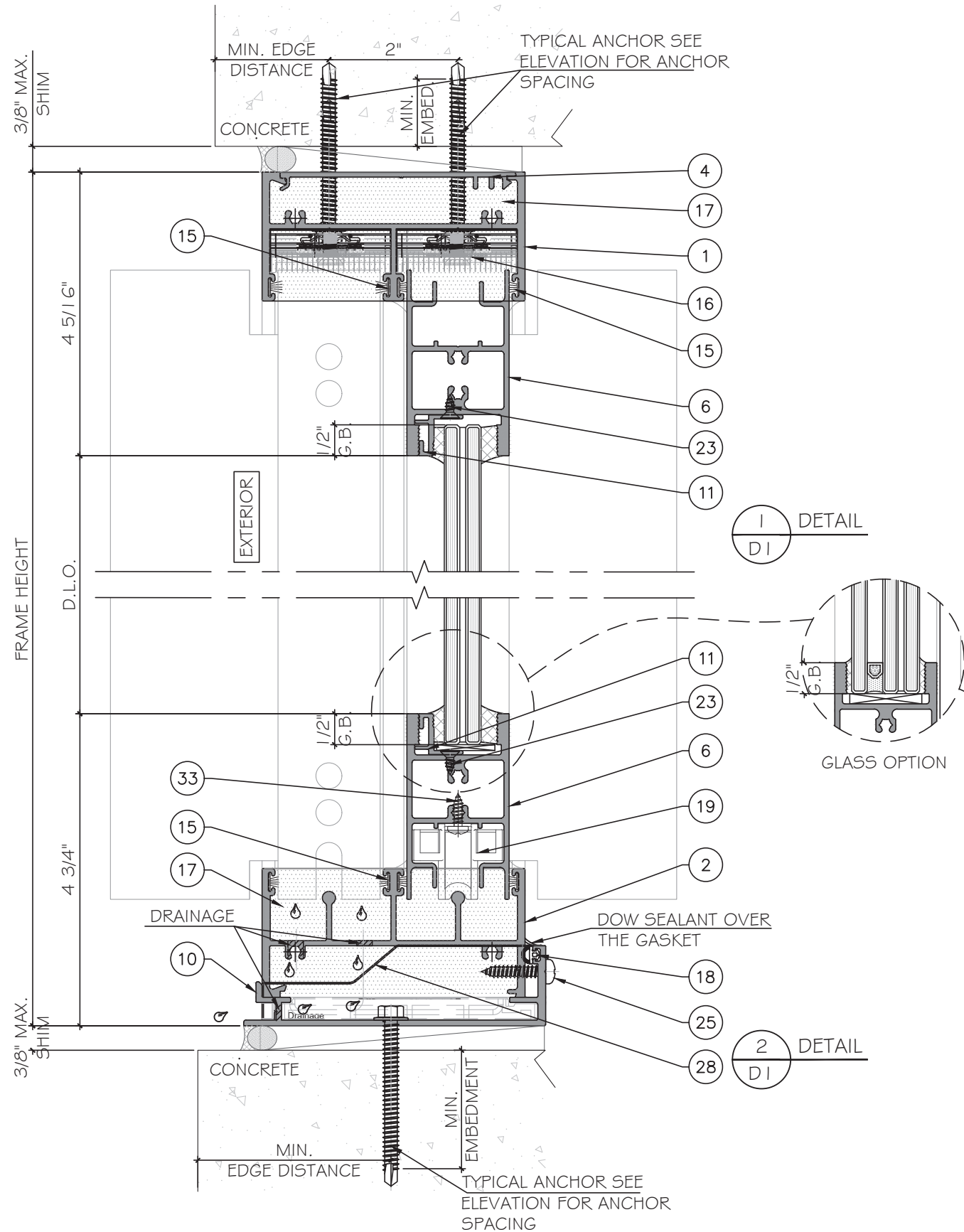
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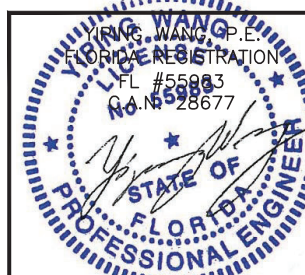
HAYING ROAD, BINHAI INDUSTRIAL AREA, QIDONG, NANTONG, JIANGSU 201300 China

EMAIL: info@yyconstruction.com

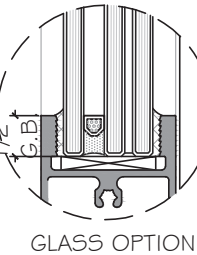
P: +61 481 978 888



FLORIDA APPROVAL:
FL # 41578



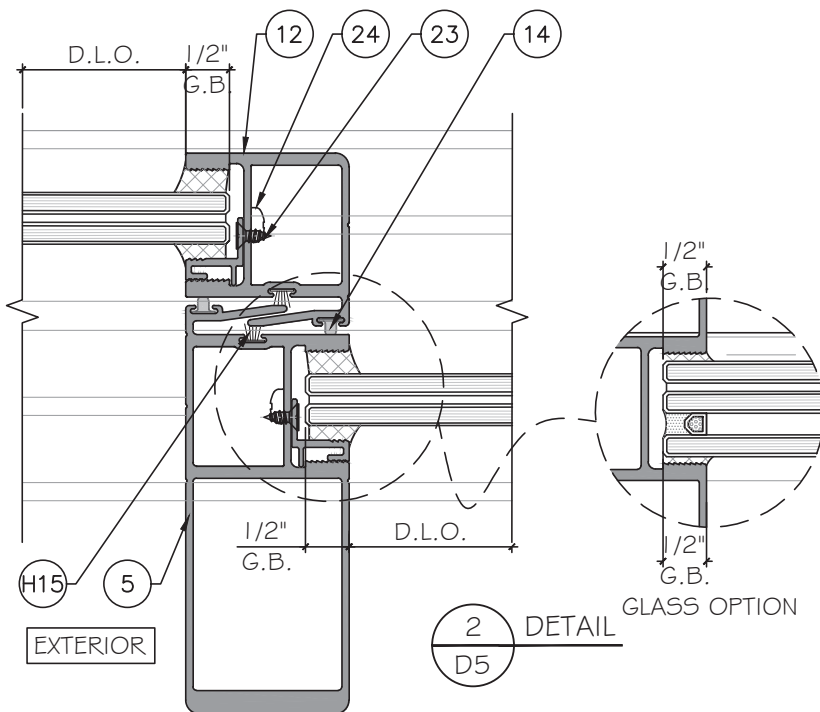
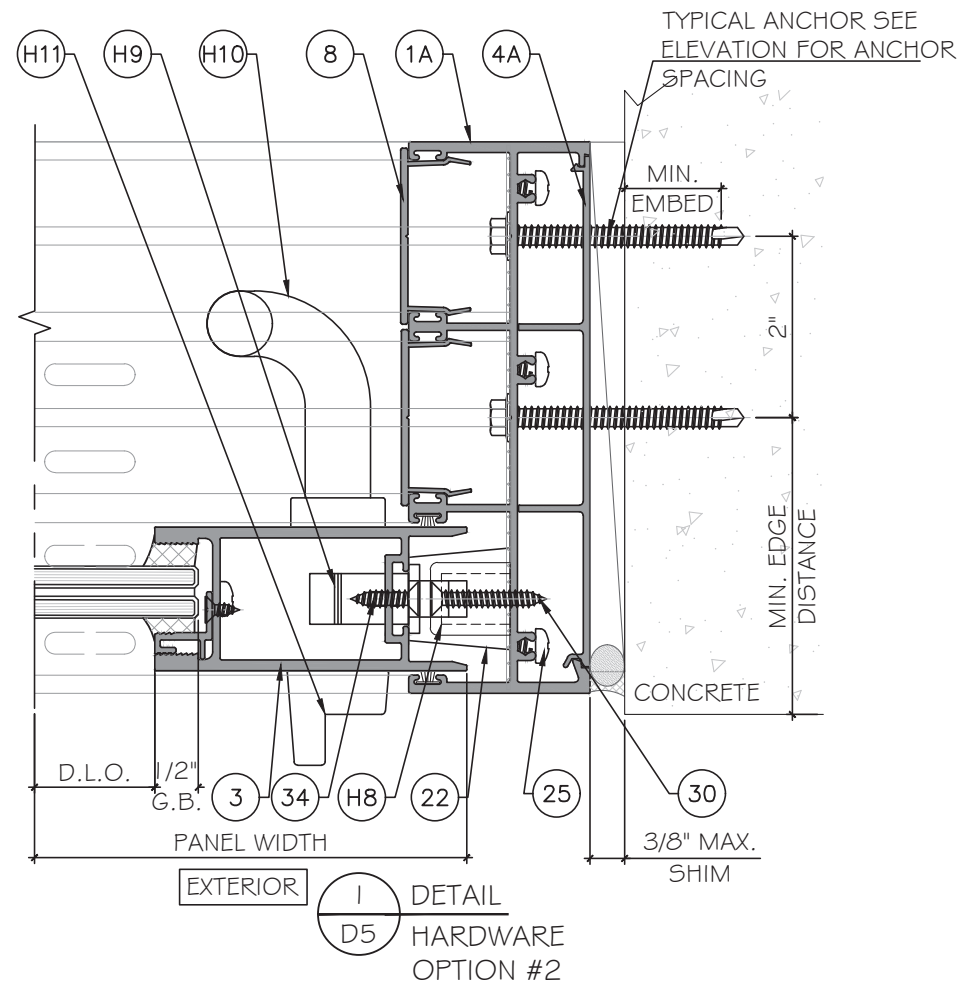
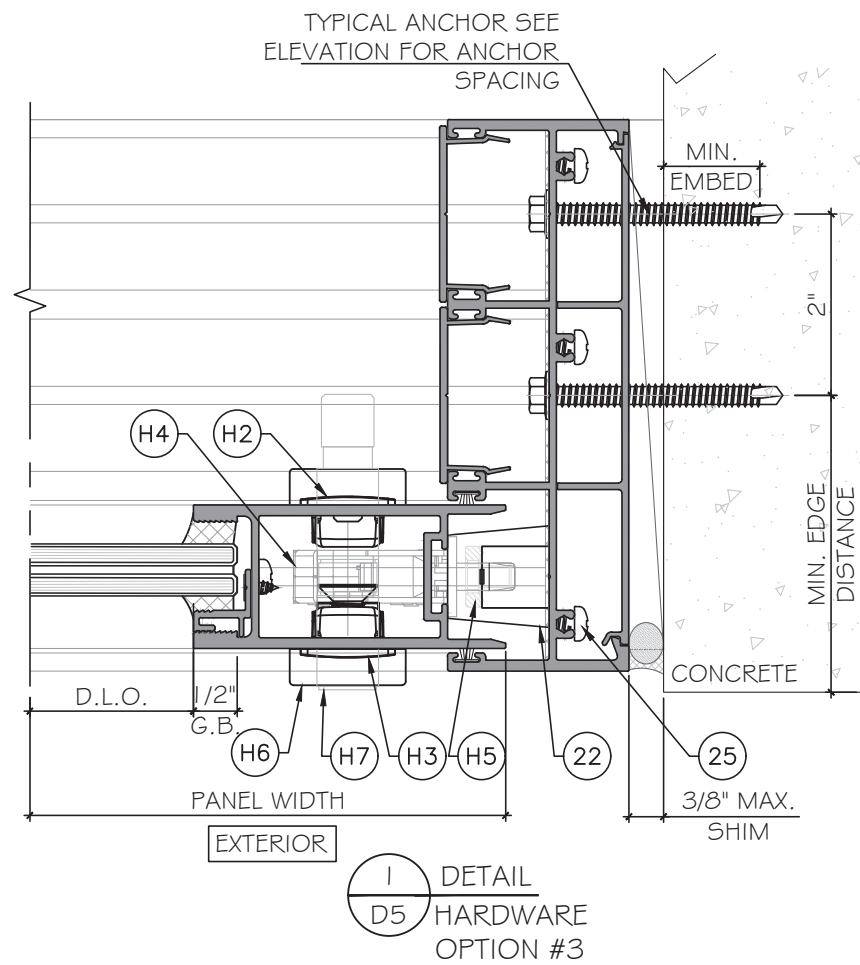
Rev. No.	Date	Drawn By	Description
R2	12.13.2023	James	FBC 2023
DRAWING NO. AD22-23			
D1			
Sheet No. 6 OF 14			



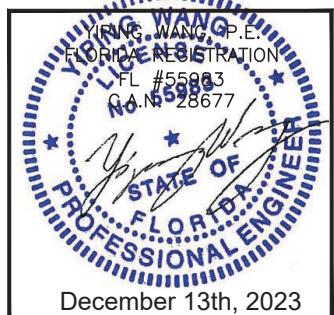
YIPING WANG P.E.
FLORIDA REGISTRATION
FL #55983
G.A.M.#28677

STATE OF FLORIDA
PROFESSIONAL ENGINEER

December 13th, 2023



FLORIDA APPROVAL:
FL # 41578



Drawn Date 06.08.2022	Drawn By James	Rev. No. R2	Date 12.13.2023	Description FBC 2023
DRAWING NO. AD22-23				
D5				
Sheet No. 10 OF 14				

① DOOR FRAME SPA10058
ALUM.6063-T5

② DOOR TRACK SPA10059
ALUM.6063-T5

③ DOOR LOCK STILE SPA10162B
ALUM.6063-T5

④ FLUSH ADAPTOR SPA10007
ALUM.6063-T5

⑧ FRAME ADAPTOR SPA10029
ALUM.6063-T5

⑤ HEAVY DUTY INTERLOCK SPA10025A
ALUM.6063-T5

⑥ TOP & BOTTOM RAIL SPA10098
ALUM.6063-T5

⑦ HEAVY DUTY MALE LOCK STILE SPA10163
ALUM.6063-T5

④A FLUSH ADAPTOR SPA15007A
ALUM.6063-T5

⑨A DOOR SILL ADAPTOR SPA10039
ALUM.6063-T5

①A DOOR FRAME SPA15033
ALUM.6063-T5

②A DOOR TRACK SPA15034
ALUM.6063-T5

⑨ DOOR SILL ADAPTOR SPA10036
ALUM.6063-T5

⑩ SUB SILL SPA10060
ALUM.6063-T5

⑪ LAM. GLASS ADAPTOR SPA10040
ALUM.6063-T5

⑩A SUB SILL SPA15035
ALUM.6063-T5

⑫ INTERLOCK SPA10023
ALUM.6063-T5

⑬ TOP SEALING BLOCK AND STOPPER ACSPA001

⑫B SUBSILL END CAP (L&R) ACSPA008

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Drawn Date	06.08.2022	Drawn By	
DRAWING NO.		AD22-23	
PARTS		Sheet No.	
		11 OF 14	

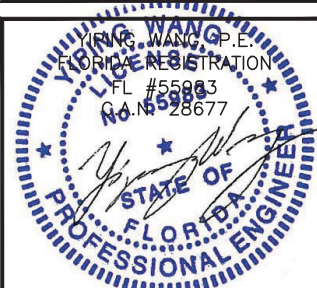
MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL 33027
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SERIES SPA100 AND SPA150 SLIDING GLASS DOOR - L.M.I.

SHANGHAI YY WINDOWS CO., LTD.
HAYING ROAD, BINHAI INDUSTRIAL AREA QIDONG, NANTONG, JIANGSU 201300, China
EMAIL: info@yyyconstruction.com
P: +61 481 978 888

BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	MANUFACTURE
1	SPA10058	FRAME HEAD AND JAMB	ALUM. 6063-T5	GUANGYA ALU. COMPANY
1A	SPA15033	DOOR FRAME	ALUM. 6063-T5	GUANGYA ALU. COMPANY
2	SPA10059	FRAME SILL	ALUM. 6063-T5	GUANGYA ALU. COMPANY
2A	SPA15034	DOOR TRACK	ALUM. 6063-T5	GUANGYA ALU. COMPANY
3	SPA10162B	DOOR LOCK STILE	ALUM. 6063-T5	GUANGYA ALU. COMPANY
4	SPA10007	FLUSH ADAPTOR	ALUM. 6063-T5	GUANGYA ALU. COMPANY
4A	SPA15007A	FLUSH ADAPTOR	ALUM. 6063-T5	GUANGYA ALU. COMPANY
5	SPA10025A	HEAVY DUTY INTERLOCK	ALUM. 6063-T5	GUANGYA ALU. COMPANY
6	SPA10098	TOP & BOTTOM RAIL	ALUM. 6063-T5	GUANGYA ALU. COMPANY
7	SPA10163	HEAVY DUTY MALE LOCK STILE	ALUM. 6063-T5	GUANGYA ALU. COMPANY
8	SPA10029	FRAME ADAPTOR	ALUM. 6063-T5	GUANGYA ALU. COMPANY
9	SPA10036	LOW THRESHOLD	ALUM. 6063-T5	GUANGYA ALU. COMPANY
9A	SPA10039	HIGH THRESHOLD	ALUM. 6063-T5	GUANGYA ALU. COMPANY
10	SPA10060	SUB SILL	ALUM. 6063-T5	GUANGYA ALU. COMPANY
10A	SPA15035	SUB SILL	ALUM. 6063-T5	GUANGYA ALU. COMPANY
11	SPA10040	LAM. GLASS ADAPTOR	ALUM. 6063-T5	GUANGYA ALU. COMPANY
12	SPA10023	INTERLOCK	ALUM. 6063-T5	GUANGYA ALU. COMPANY
13	KS211	THRESHOLD GASKET, ADUROMETER 9±2 SHORE A	FOAM	-
14	KS201	INTERLOCK GASKET, ADUROMETER 9±2 SHORE A	FOAM	-
15	7-3.5-4	PILE W/STRIPPING WITH FIN	-	-
16	ACSPA001	TOP SEALING BLOCK AND STOPPER	PA66	SUPERHOUSE COMPANY
17	SPA10001W	FRAME JOINT GASKET	-	3M COMPANY
18	SBWG-006	SUBSILL GASKET, ADUROMETER 70±5 SHORE A	EPDM	-
19	ACSPA020	SUPPORT BLOCK FOR FIX PANEL BOTTOM	PA66	SUPERHOUSE COMPANY
20	KS521	MALE LOCK STILE GASKET, ADUROMETER 9±2 SHORE A	FOAM	-
21	-	EPDM SETTING BLOCK 3/32" X 7/8", ADUROMETER 75±5 SHORE A	EPDM	-
22	-	EPDM STOPPER, ADUROMETER 65±2 SHORE A	EPDM	-
23	-	PANEL ASSEMBLY SCREWS DIA.5/32" X 3/8", @12" O.C.	STAINLESS STEEL	CHUANGGU COMPANY
24	-	PANEL ASSEMBLY SCREWS DIA.3/16" X 1 1/2"	STAINLESS STEEL	CHUANGGU COMPANY
25	-	PANEL ASSEMBLY SCREWS DIA.3/16" X 1", @12" O.C.	STAINLESS STEEL	CHUANGGU COMPANY
26	-	EPDM SETTING BLOCK 5/32" X 1-3/32", ADUROMETER 75±5 SHORE A	EPDM	CHUANGGU COMPANY
27	-	STRUCTURE SILICONE DOWSIL 995	SILICONE	DOWSIL
28	ACSPA008	SUBSILL END CAP (L&R)	PA66	SUPERHOUSE COMPANY
29	-	PANEL ASSEMBLY SCREW DIA.5/32" X 1/2" PH. SMS.	STAINLESS STEEL	CHUANGGU COMPANY
30	-	PANEL ASSEMBLY SCREWS DIA.3/16" X 1 1/4" PH SMS	STAINLESS STEEL	CHUANGGU COMPANY
31	ACSPA-018	LOW THRESHOLD END CAP	TPR	SUPERHOUSE COMPANY
32	ACSPA-051	HIGH THRESHOLD END CAP	TPR	SUPERHOUSE COMPANY
33		PANEL ASSEMBLY SCREWS DIA.5/32" X 1/2" PH SMS	STAINLESS STEEL	CHUANGGU COMPANY
34		PANEL ASSEMBLY SCREWS DIA.3/16" X 3/4" FH SMS	STAINLESS STEEL	CHUANGGU COMPANY

FL # 41578



December 13th, 2023

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HAIFYING ROAD, BINHAI INDUSTRIAL AREA QIDONG, NANTONG, JIANGSU 201300, China

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						FBC 2023	Description
						James	Drawn By
					12.13.2023	Date	
				R2		Rev. No.	
Drawn Date 06.08.2022						Drawn By	
DRAWING NO. AD22-23							
 BOM							
Sheet No. 12 OF 14							

BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	MANUFACTURE
H1	SA89181-02T	DOOR ROLLER	PAGG	PAG
H2	E010204	HANDLE	ZINC ALLOY	CMECH
H3	35PZ/C	MULTI-POINT LOCK	ZINC ALLOY	SIEGENIA
H4	MTL08	HOOK	STAINLESS STEEL	MUTU
H5	MTJ08E	KEEPER	STAINLESS STEEL	MUTU
H6	E140001	CYLINDER COVER	ZINC ALLOY	CMECH
H7	R3030	CYLINDER	BRASS	CMECH
H8	ACHSPA002	DOOR KEEPER	STAINLESS STEEL	SUPERHOUSE COMPANY
H9	D70L-SS	DUAL POINT MORTISE LOCK	STAINLESS STEEL	DNW COMPANY
H10	2095 HANDLE - AL	INTERIOR HANDLE	STAINLESS STEEL	DNW COMPANY
H11	2095 HANDLE - AL	EXTERIOR HANDLE	STAINLESS STEEL	DNW COMPANY
H12	E010023	EXTERIOR HANDLE	ZINC ALLOY	CMECH
H13	E010019	INTERIOR HANDLE	ZINC ALLOY	CMECH
H14	MTK02A-30	DUAL POINT MORTISE LOCK	STAINLESS STEEL	MUTU
H15	MTJ02C	KEEPER	STAINLESS STEEL	MUTU
H16	E140001	CYLINDER COVER	ZINC ALLOY	CMECH

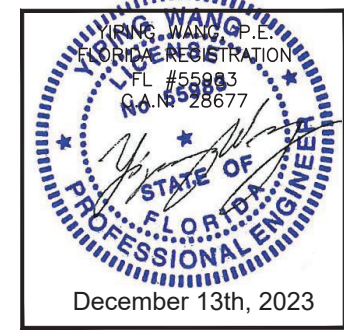


SERIES SPA100 AND SPA150 SLIDING GLASS DOOR - L.M.I.

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Drawn Date 06.08.2022				Drawn By			
DRAWING NO. AD22-23							
BOM							
Sheet No. 13 OF 14							



					FBC 2023
				JAMES	Description
			12.13.2023	Date	Drawn By
R2				Rev.	No.
Drawn Date 06.08.2022			Drawn By		
DRAWING NO.					
AD22-23					
ASSEMBLY					
Sheet No. 14 OF 14					

SERIES SPA100 AND SPA150 SLIDING GLASS DOOR - L.M.I.

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