

SHANGHAI YY WINDOWS CO., LTD.
YY 100 HORIZONTAL SLIDING GLASS WINDOW SYSTEM - L.M.I.

GENERAL NOTES:

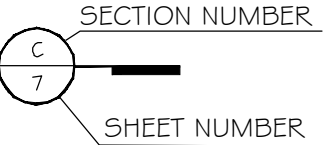
- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION FLORIDA BUILDING CODE (2020) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOWS RATED FOR LARGE AND SMALL MISSILE IMPACT. LMI SYSTEM TO BE USED FOR INSTALLATIONS UP TO 30 FT OF GRADE. FOR ABOVE 30 FT OF GRADE, SMI TO BE USED. IMPACT SHUTTERS ARE NOT REQUIRED.
- THIS 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) 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 7-16, 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.

USE CHARTS AS FOLLOWS.

- STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-16 STANDARD OR WIND TUNNEL REPORTS.
- STEP 2: SEE SHEET E1 FOR TYPICAL WINDOW ELEVATION.
- STEP 3: SEE SHEET A1 FOR ANCHOR OPTIONS. SEE SHEET E1 FOR NUMBER OF ANCHORS REQUIRED.
- 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. - DAYLITE OPENING
F.H. - FRAME HEIGHT
F.W. - FRAME WIDTH
W/ - WITH
W/O - WITHOUT
O.C. - ON CENTER

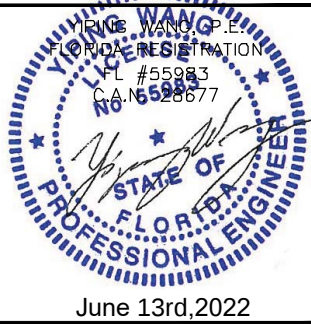


LIMITATIONS OF USE

- 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 HERE. 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 # 41575



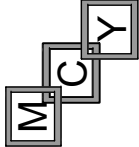
SPA100 Sliding Glass Door SYSTEM - L.M.I.&S.M.I.

SHANGHAI YY WINDOWS CO., LTD.

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

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mcy@mcyengineering.com

Drawn Date
06.08.2022

Drawn By
MCY

DRAWING NO.

AD22-20

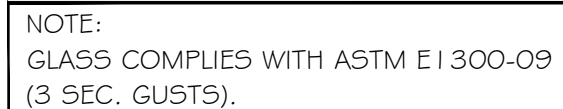
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DESIGN LOADS
(FOR SIZE SHOWN ABOVE OR SMALLER AS PERMITTED BY FBC)
+55 PSF
-55 PSF



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FL # 41575

YOUNG AND P.L.
FLORIDA REGISTRATION
FL #55983
CA# 26677

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

June 13rd, 2022

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SPA100 Sliding Glass Door SYSTEM - L.M.I.&S.M.I..

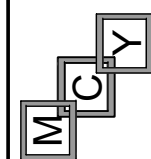
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TYPICAL ANCHOR TYPES:
SEE ELEVATIONS FOR SPACING

TYPE "A": 1/4" DIA. ULTRACON+ BY 'DEWALT' ($F_u=164$ KSI, $F_y=148$ KSI)
DIRECTLY INTO CONCRETE
WITH 1 3/4" MIN. EMBED INTO CONCRETE

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

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

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

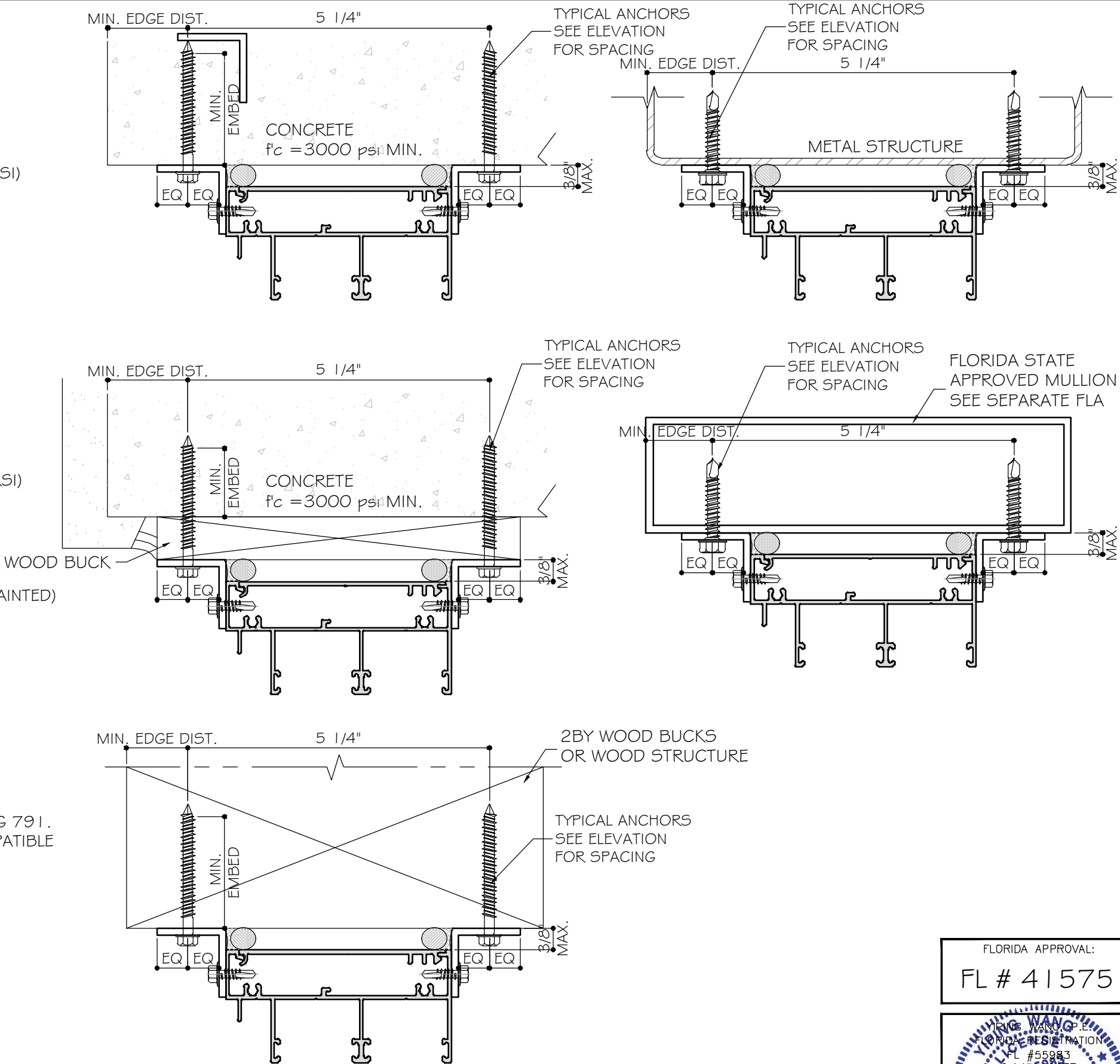
TYPE "B": 1/4" SMS ($F_u=74$ KSI, $F_y=57$ KSI)
OR SELF DRILLING SCREW(GRADE 5) ($F_u=120$ KSI, $F_y=90$ KSI)
INTO APPROVED MULLIONS
(1/8" THK. MIN.) INTO METAL STRUCTURE

STEEL: 1/8" MIN. ($F_y=36$ KSI MIN.)
ALUMINUM: 1/8" THK. MIN. (6063-T6 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.

GLAZING BEAD AT FRAME SILL SEALED TO GLASS WITH DOW CORNING 791.
FRAME CORNERS SEALED WITH DOW CORNING 791 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 # 41575

YONG WANG
P.E.
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FL #55983
CA #65983

STATE OF
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PROFESSIONAL ENGINEER

June 13rd,2022

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Rev.	Date	Drawn By	Description
1	06.08.2022	MCY	NEW APPROVAL

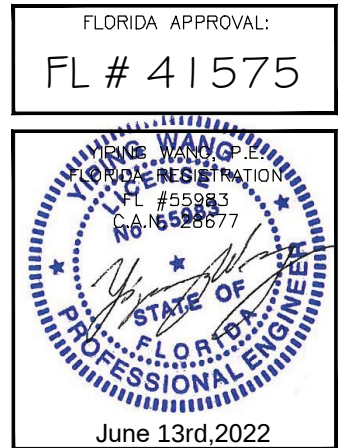
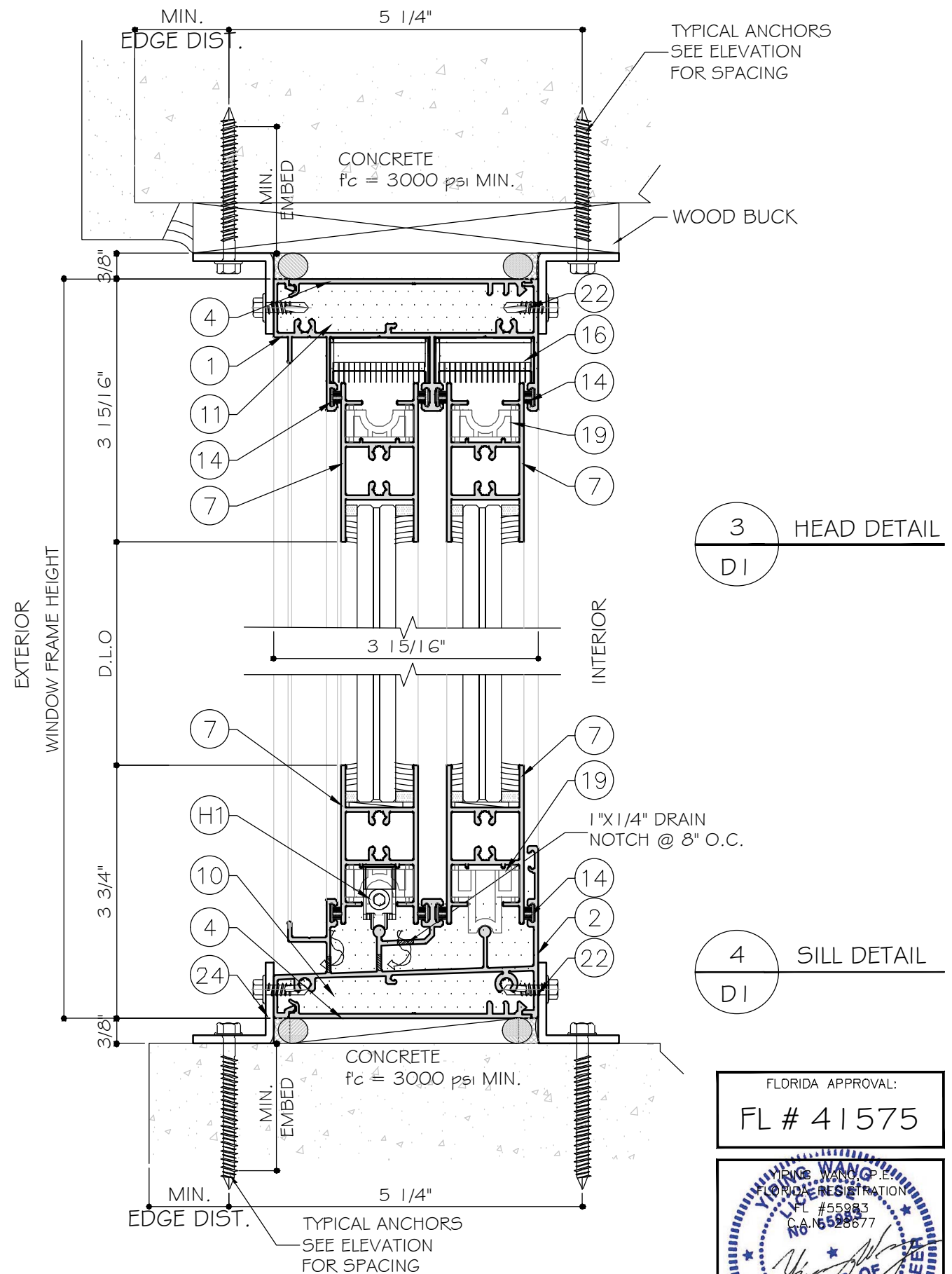
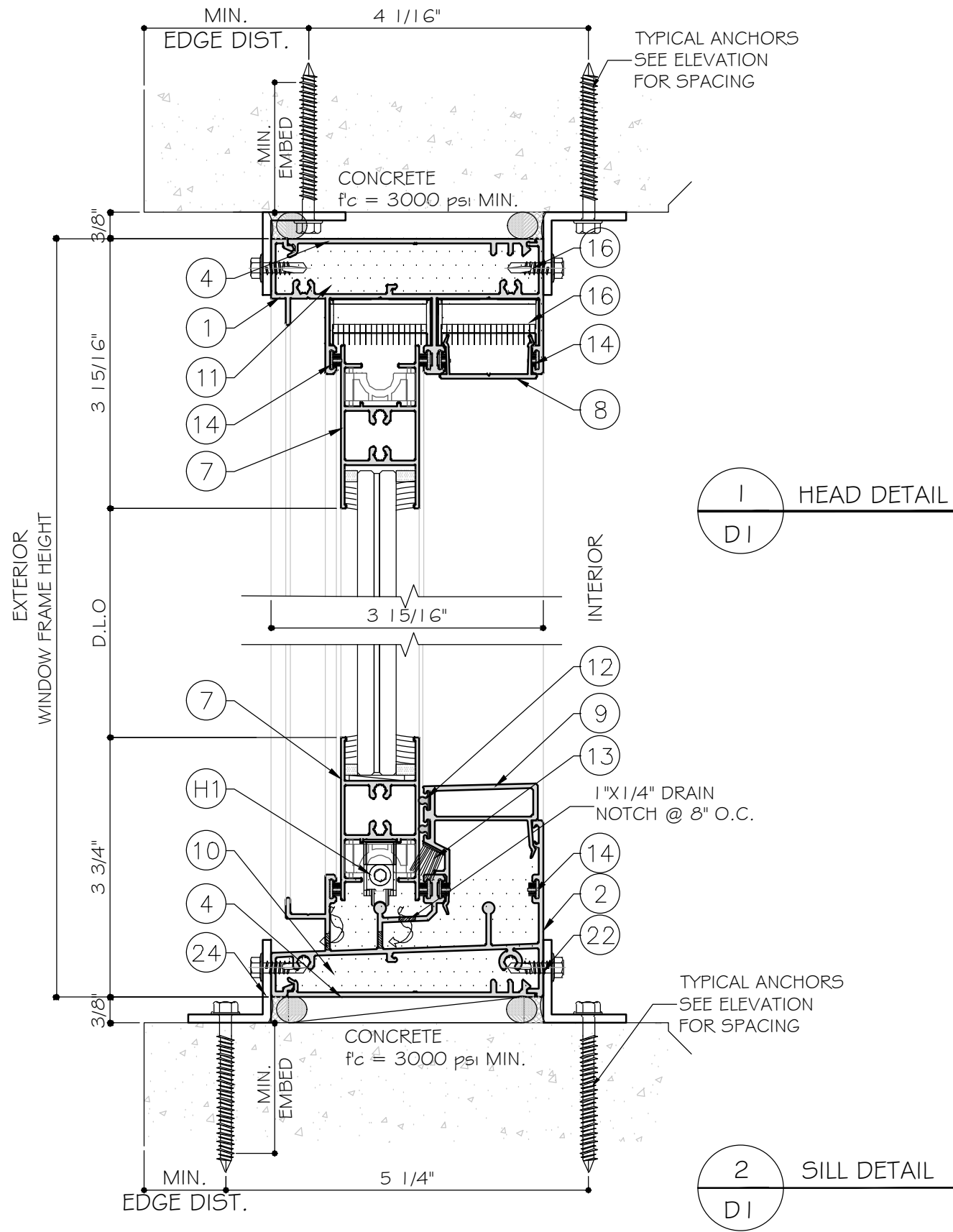
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Drawn By
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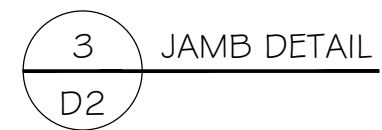
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AD22-20

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A1



Rev. No.	Date	Drawn By	Description
1	06.08.2022	MCY	NEW APPROVAL
Drawn Date: 06.08.2022			
Drawn By: MCY			
DRAWING NO. AD22-20			
Sheet No. 4 OF 8			

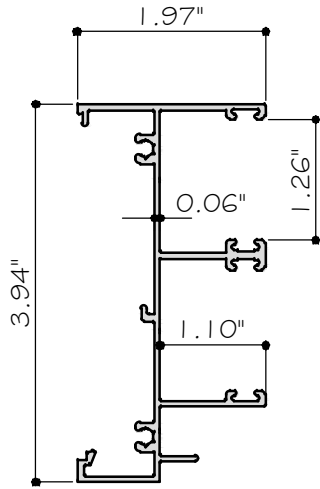


RUI WANG, P.E.
 PROFESSIONAL ENGINEER
 FL #55983
 CAN 28677

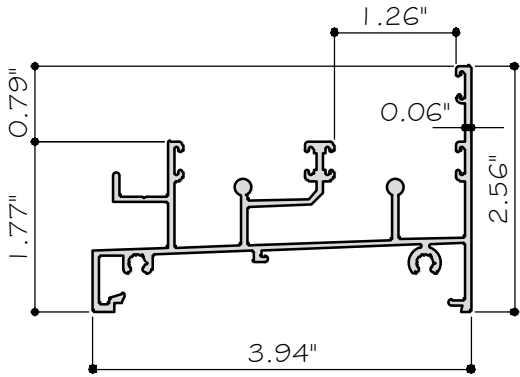
STATE OF FLORIDA
 PROFESSIONAL ENGINEER

June 13rd, 2022

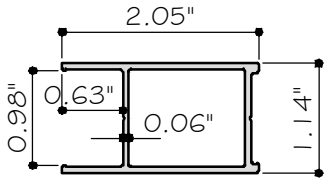
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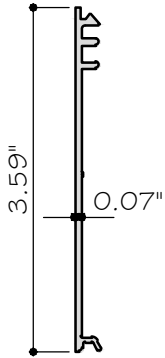
① WINDOW FRAME
SPA10061 6063-T5



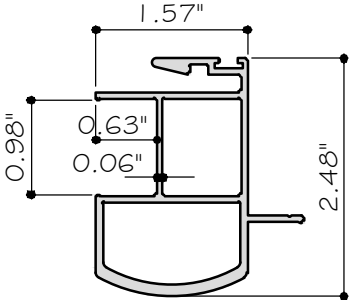
② WINDOW TRACK
SPA10062 6063-T5



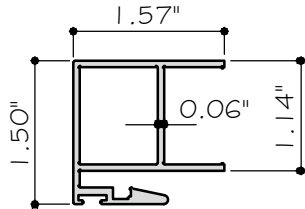
③ WINDOW STILE
SPA10076 6063-T5



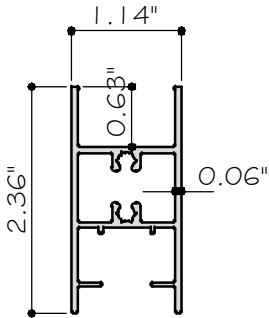
④ FLUSH ADAPTOR
SPA10007 6063-T5



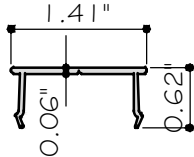
⑤ HEAVY DUTY INTERLOCK
SPA10095 6063-T5



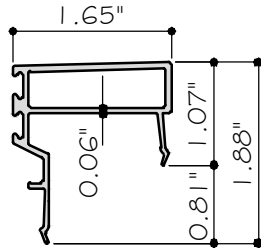
⑥ STANDARD INTERLOCK
SPA10064 6063-T5



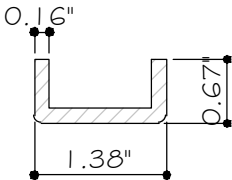
⑦ TOP & BOTTOM RAIL
SPA10065 6063-T5



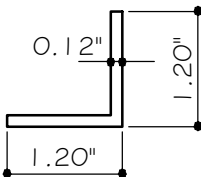
⑧ FRAME ADAPTOR
SPA10067 6063-T5



⑨ SILL ADAPTOR
SPA10170 6063-T5



②0 INTERLOCK REINFORCEMENT
REI-SW001 GALVANIZED STEEL



②4 ALUM. ANGLE
0325 6063-T6

FLORIDA APPROVAL:
FL # 41575

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FL #55983
CAN 165983
June 13rd, 2022

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1	06.08.2022	MCY	NEW APPROVAL

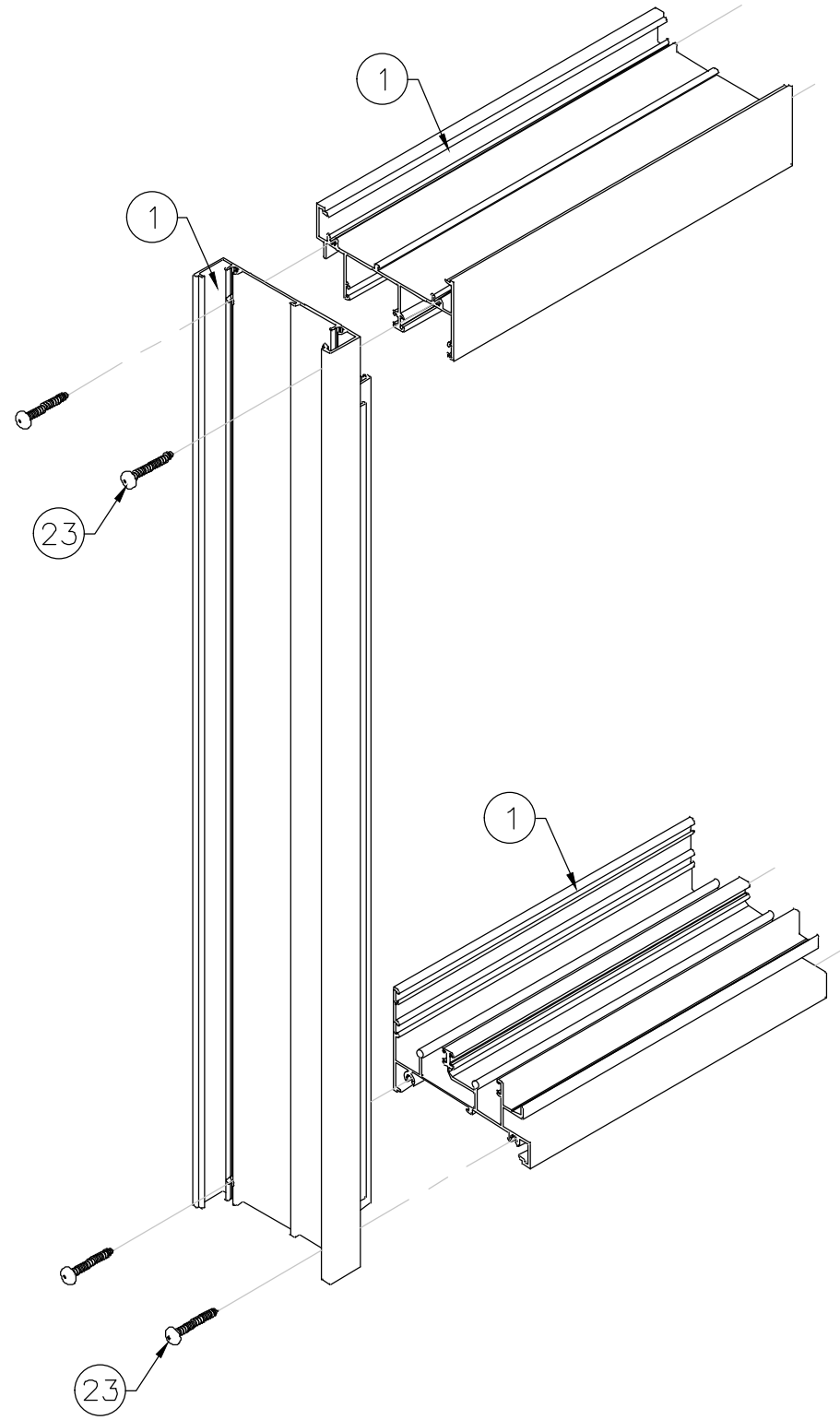
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Drawn By: MCY

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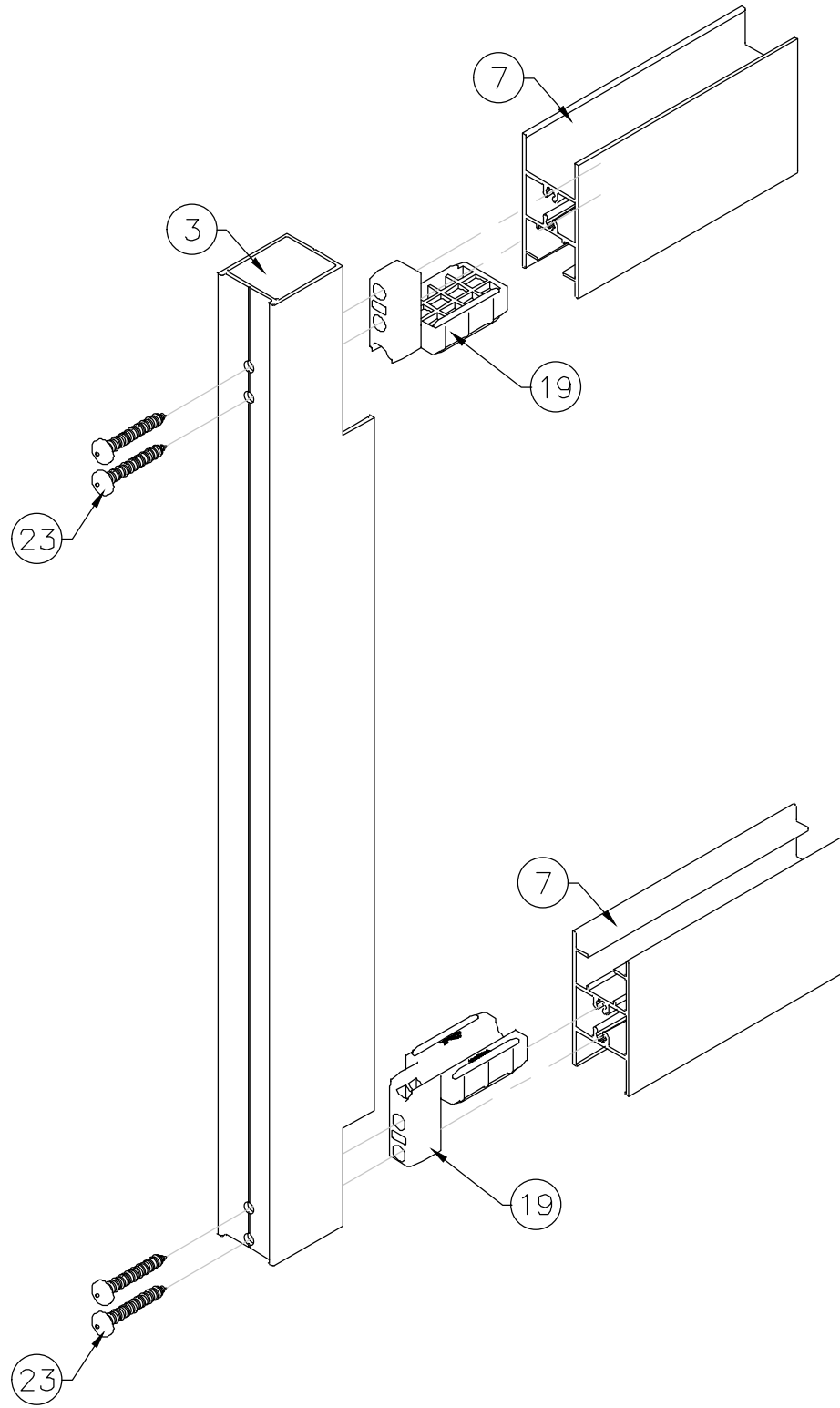
PARTS

Sheet No. 6 OF 8

BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	MANUF. / REMARKS
1	SPA10061	WINDOW FRAME	ALUM. 6063-T5	-
2	SPA10062	WINDOW TRACK	ALUM. 6063-T5	-
3	SPA10076	WINDOW STILE	ALUM. 6063-T5	-
4	SPA10007	FLUSH ADAPTOR	ALUM. 6063-T5	-
5	SPA10095	HEAVY DUTY INTERLOCK	ALUM. 6063-T5	-
6	SPA10064	STANDARD INTERLOCK	ALUM. 6063-T5	-
7	SPA10065	TOP & BOTTOM RAIL	ALUM. 6063-T5	-
8	SPA10067	FRAME ADAPTOR	ALUM. 6063-T5	-
9	SPA10170	SILL ADAPTOR	ALUM. 6063-T5	-
10	SPA10062W	3M WATERPROOF SEAL	-	-
11	SPA10061W	3M WATERPROOF SEAL	-	-
12	KS211	FOAMING GASKET(HARDNESS:9±2A)	-	-
13	8-11	PILE WEATHER STRIPPING WITH FIN(0.335"X0.445")	-	-
14	7-3.5-4	PILE WEATHER STRIPPING WITH FIN(0.268"X0.161")	-	-
15	ACSPA010	FIX PANEL STOPPER	-	-
16	ACSPA009	TOP SEALING BLOCK AND STOPPER	-	-
17	-	TYPICAL ANCHOR	STEEL	-
18	KS201	FOAMING GASKET(HARDNESS:9±2A)	-	-
19	ACSPA027	CONNECTING AND STRUT MEMBER	-	-
20	REI-SW001	INTERLOCK REINFORCEMENT	GALVANIZED STEEL	-
22		3/16" x 5/8" TEKS SCREW, @ 12" O.C.	STEEL	
23		3/16"(#10) TEKS ASSEMBLY SCREW	STEEL	-
24	0325	1 3/16"X1 3/16"X1/8" THK. ALUMINUM ANGLE	6063-T6	-
25		1/16" X 3/4" SETTING BLOCK, 70-90 SHORE A DUROMETER	NEOPRENE	-
H1	-	WINDOW ROLLER	-	HOPO
H2	ALU CS NHM0030	HOOK LOCK	-	SIEGENIA
FLORIDA APPROVAL: FL # 41575 YANG WANG P.E. FLORIDA REGISTRATION FL #55983 CA# 165983 June 13rd,2022 Rev. No. 1 Date 06.08.2022 Drawn By MCY Drawn Date 06.08.2022 DRAWING NO. AD22-20 BOM Sheet No. 7 OF 8				
SPA100 Sliding Glass Door SYSTEM - L.M.I.&S.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		
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FRAME CORNER ASSEMBLY



SASH CORNER ASSEMBLY

FLORIDA APPROVAL:
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YONG WANG P.E.
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CAN #528677
JUNE 13rd, 2022

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