

NR ARCHITECTURAL PRODUCTS, INC.
SERIES VENEER SYSTEM - SMI

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION / 8TH EDITION FLORIDA BUILDING CODE (2020 / 2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOW WALL RATED FOR SMALL MISSILE IMPACT. IMPACT RESISTANT SHUTTERS ARE REQUIRED FOR INSTALLATIONS UP TO 30 FT OF GRADE. SHUTTERS ARE NOT REQUIRED FOR INSTALLATIONS ABOVE 30 FT OF GRADE.
- THESE WINDOWS 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 / 8TH EDITION FLORIDA BUILDING CODE (2020 / 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 7-16 / 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 7-16 / ASCE 7-22 STANDARD.
- STEP 2: SEE TYPICAL ELEVATION ON SHEET E1.
- STEP 3: SEE CHART 1 ON SHEET G1 FOR APPROVED GLASS TYPES AND DESIGN LOAD CAPACITIES BASED ON APPLICABLE WIND DURATION.
- STEP 4: STEEL TUBE AT MULLION AND JAMB TO BE MIN. 3/8" THK. STEEL TUBE SIZE AND ITS SUPPORT TO BE ENGINEERED SEPARATED ON JOB BASES.
- STEP 5: THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

ABBREVIATIONS AND SYMBOLS

- D.L.O. - DAYLITE OPENING

F.H. - FRAME HEIGHT

F.W. - FRAME WIDTH

LG. - LONG

STL. - STEEL

ALUM. - ALUMINUM

MULL. - MULLION

HORIZ. - HORIZONTAL

W/ - WITH

W/O - WITHOUT

VERT.- VERTICAL
- CL - CENTER LINE

S.S. - STAINLESS STEEL

H.S. - HEAT STRENGTHENED

SSG - STRUCTURAL SILICONE

GLAZED

TEMP. - TEMPERED

O.C. - ON CENTER

SECTION NUMBER

SHEET NUMBER

LIMITATIONS OF USE

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.

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.

THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.

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.

THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

FL #23073



August 11th, 2023

MCY ENGINEERING, INC.

GLAZING CONSULTANTS



12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL. 33027 P: 305.271.0117

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MCY@mcyengineering.com

SERIES VENEER SYSTEM - S.M.I.

NR ARCHITECTURAL PRODUCTS, INC

4348 WESTROADS DR., RIVIERA BEACH FL 33407
TEL. (561) 844-1121 FAX. (561) 844-6131

UPDATE TO FEB 2023

James

R2

Drawn Date
08.11.2023

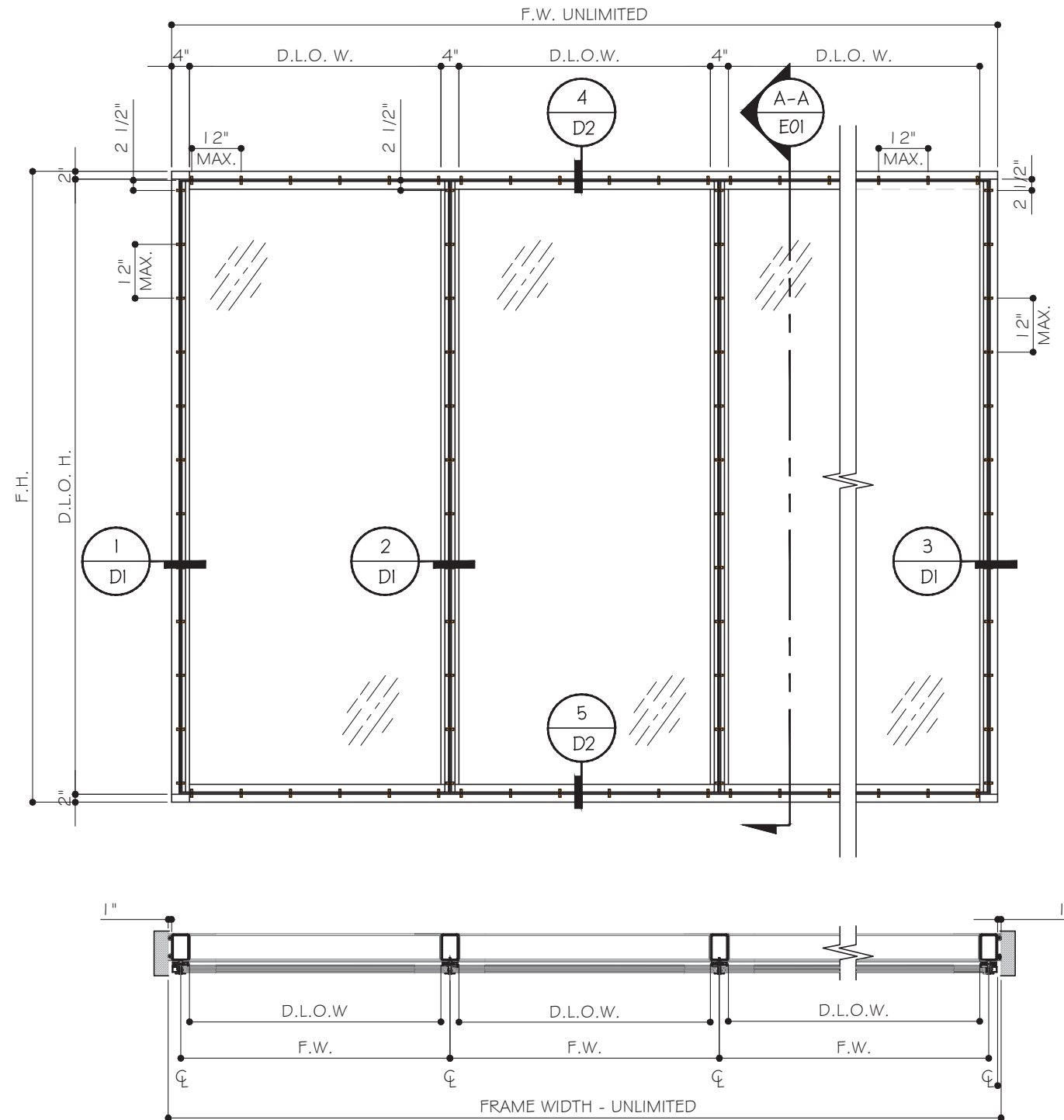
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AD17-20

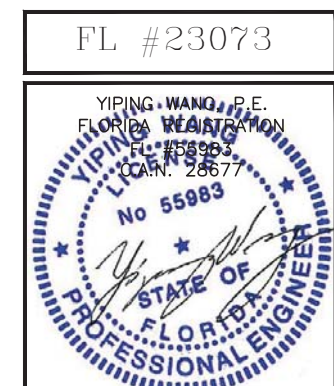
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TYPICAL EXTERIOR ELEVATION



FL #23073

YIPING WANG, P.E.
FLORIDA REGISTRATION
FL #55983
C.A.N. 28677

U.S. N. 2867
No 55983

SERIES VENEER SYSTEM - S.M.I.

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3 WEST ROADS DR., RIVIERA BEACH FL 33404
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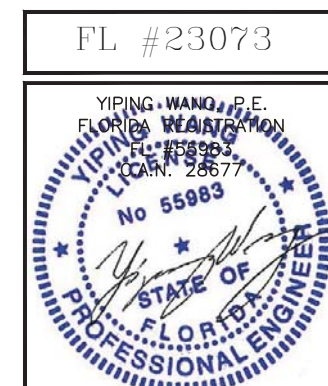
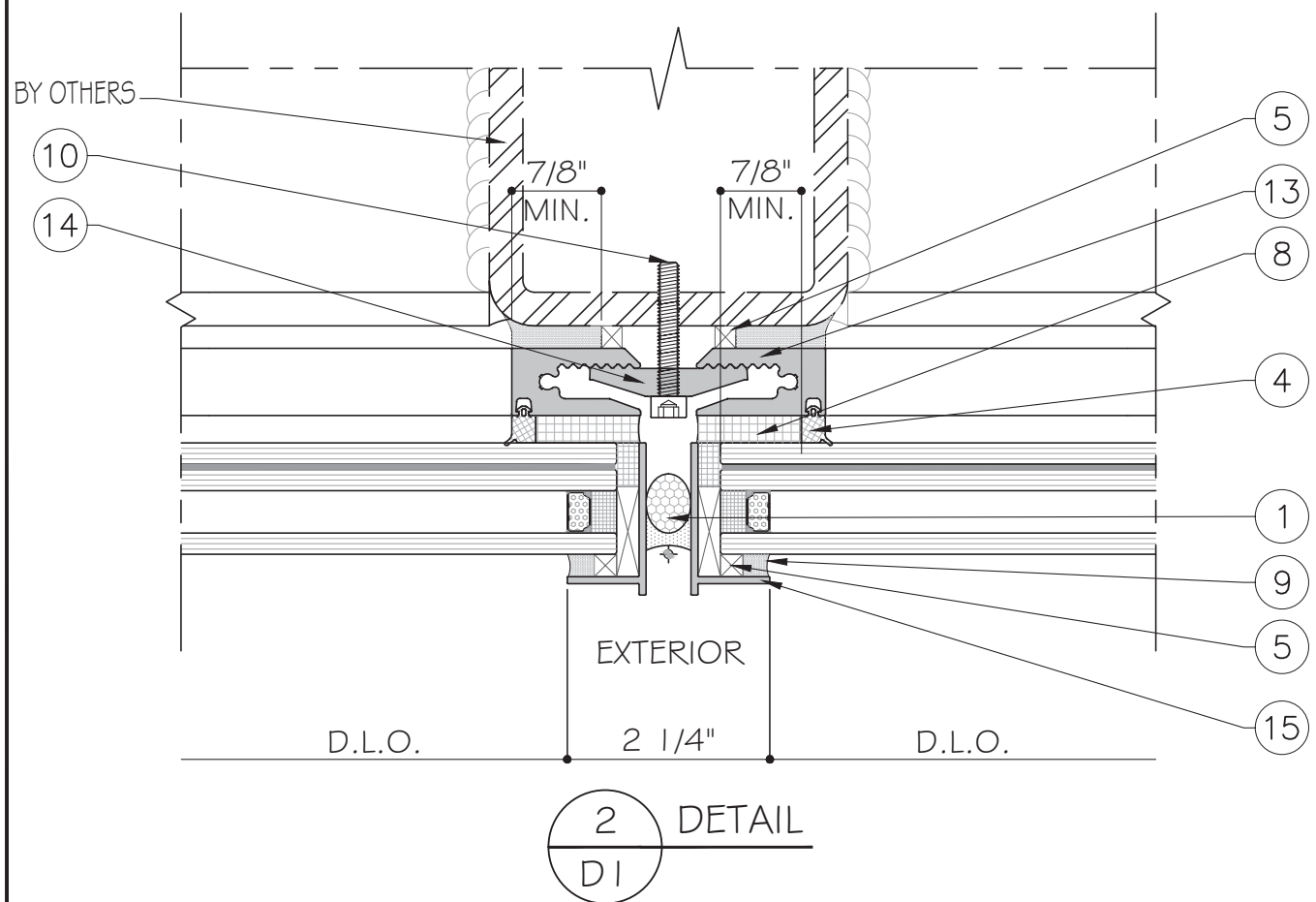
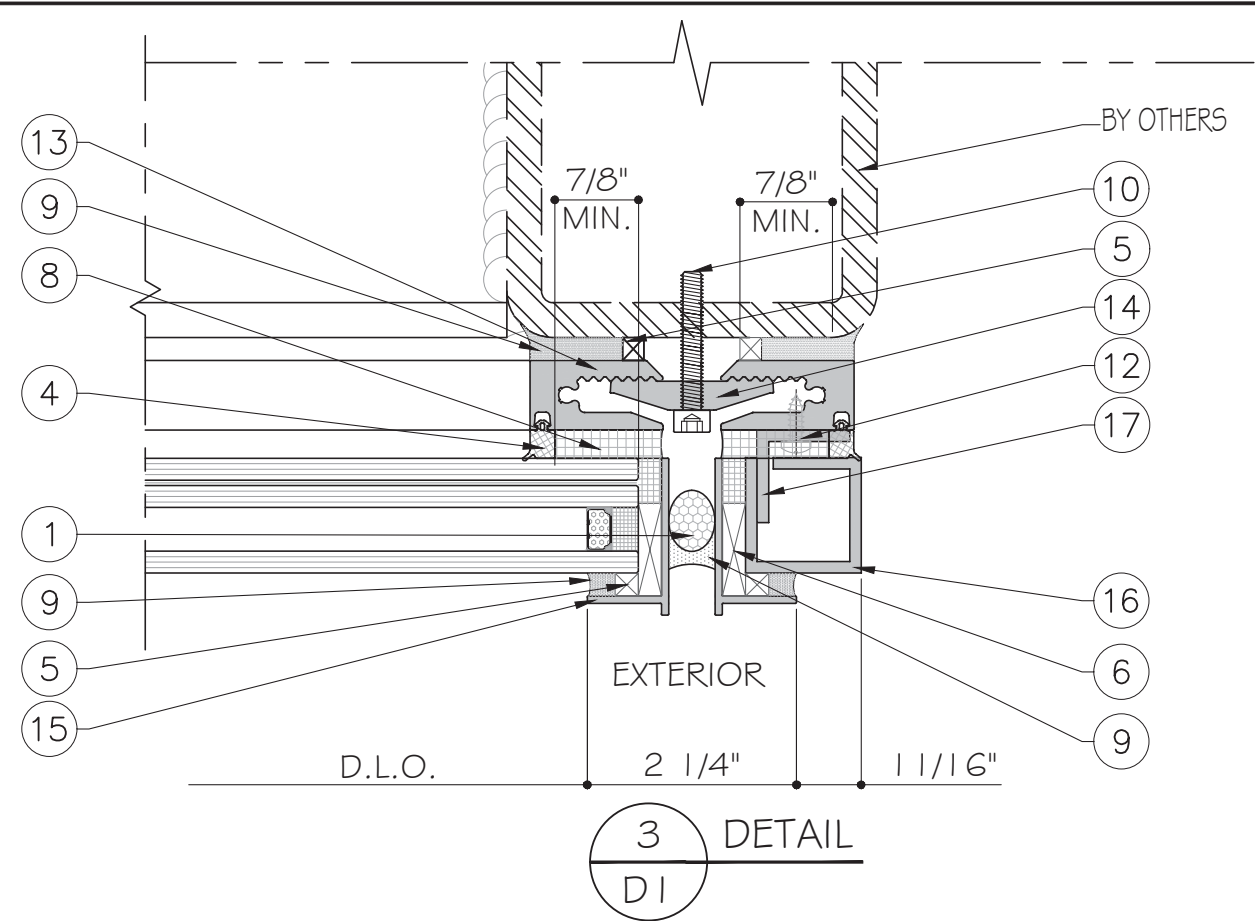
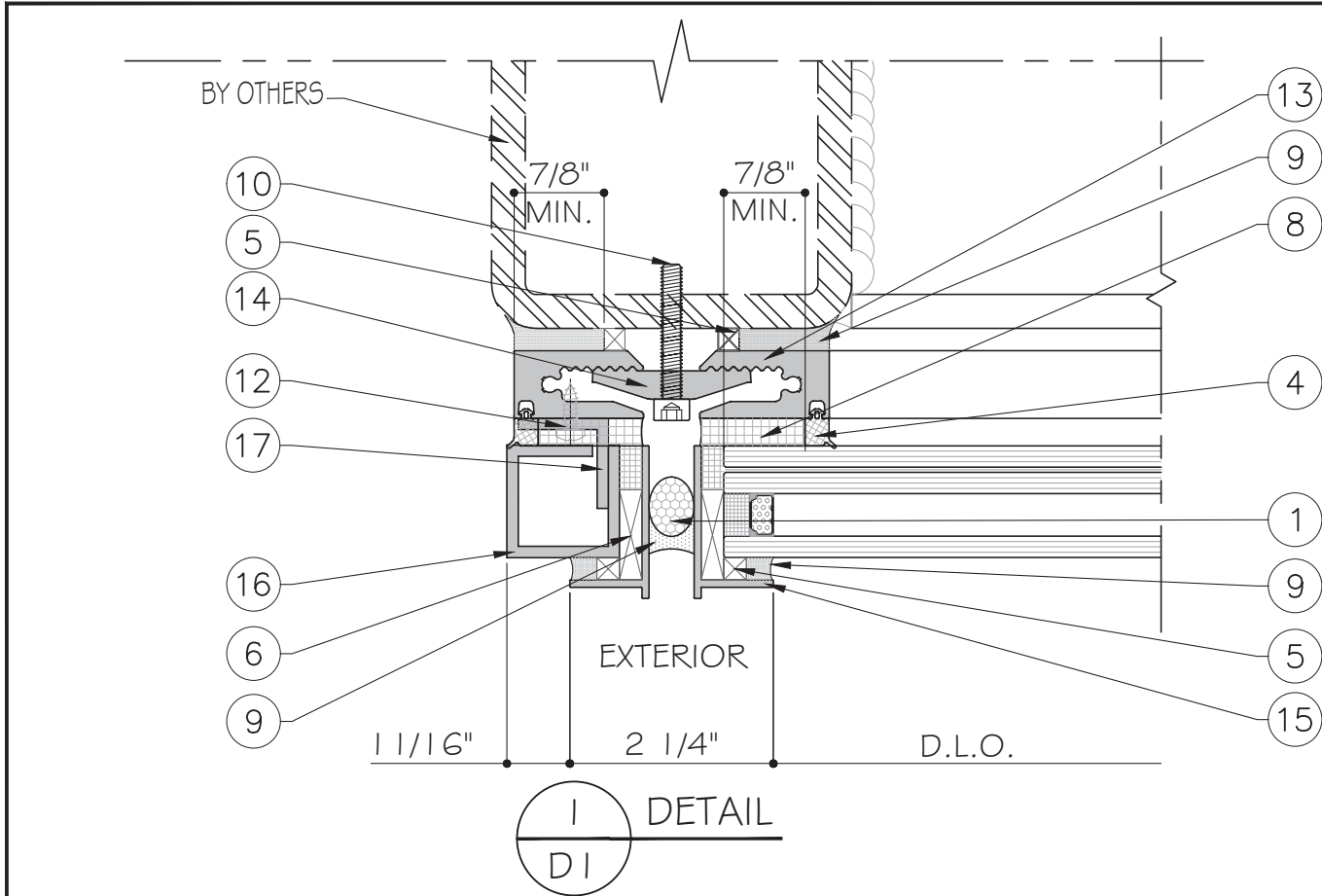
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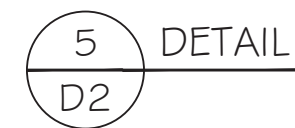
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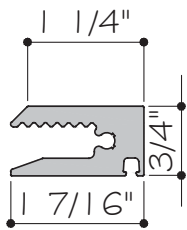
www.MCYEngineering.com MCY@mcysengineering.com



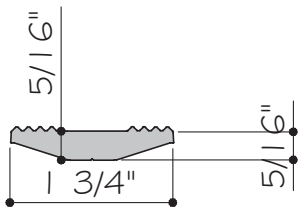
MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 MIRAMAR PKWY. STE. 301 MIRAMAR, FL. 33027 P: 305.271.0117 www.MCYEngineering.com			
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August 11th, 2023

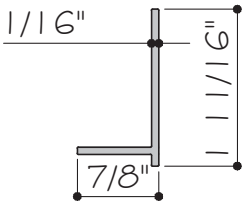
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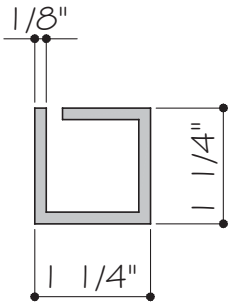
13 MULLION
NLDM-150 ALUM. 6005A-T61



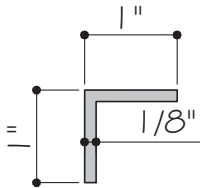
14 TOGGLE
ALUMINUM 6063-T6



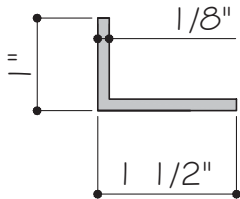
15 TOGGLE
ALUMINUM 6063-T6



16 ALUMINUM TUBE HEAD/SILL/JAMB
ALUMINUM

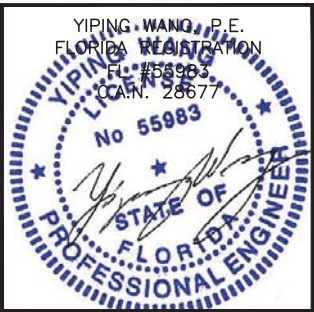


17 ALUMINUM ANGLE
GLASS CHAIR 6063-T6



2 ALUMINUM ANGLE
GLASS CHAIR 6063-T6

FL #23073



August 11th, 2023

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BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	REMARKS
1	PM-02	GLAZING BACKER ROD	15MM POLYTHENE	-
2	-	1"X1-1/2"X1/8" ALUMINUM ANGLE 4" LG GLASS CHAIR	ALUM.	-
3	PP-04	T-BOND IIV-200 SERIES	6063-T3	-
4	JT-01	SPACER GASKET	SILICONE	-
5	DM-02	DOUBLE SIDED ADHESIVE TAPE	1/4"X1/4" POLYURETHANE	-
6	DM-04	DOUBLE SIDED ADHESIVE TAPE	1/4"X1" POLYURETHANE	-
7	PP-01	PP BLOCK	PP BLOCK 1/16"X1"X4"	-
8	SL-01	GLAZING SEALANT DC-983	DC-983	-
9	SL-02	GLAZING SEALANT DC-983	DC-983	-
10	ZGD-02	1/4 -20 SS SOCKET HEAD SCREW @ 12" O.C.	17-4 PH STAINLESS STEEL	-
11	ZGD-03	TAPPING SCREW ST 3.5X13 (2) PER ANGLE	17-4 PH STAINLESS STEEL	-
12	ZGD-04	TAPPING SCREW ST 3.5X13	S.S. 316	-
13	NLDM-150	MULLION	ALUMINUM 6063-T6	-
14	NLDM-151	TOGGLE 7/16" LG @ 12" O.C.	ALUMINUM 6063-T6	-
15	NLDM-152	VERTICAL FIN	ALUMINUM 6063-T6	-
16	-	1-1/4" X 1-1/4" X 1/8" ALUMINUM TUBE HEAD/SILL/JAMB	ALUMINUM 6063-T6	-
17	-	1"X1"X1/8" ALUMINUM ANGLE	ALUMINUM 6063-T6	-
18	-	PERIMETER SEALANT DC-795 OR EQUIVALENT	DC-795	-
19	PP-01	SETTING BLOCK 1/16" X 1" X 4"	EPDM - DUROMETER 85 +/- 5	-
20	-	SPACER	ALUMINUM	-
FL #23073 YIPING WANG, P.E. FLORIDA REGISTRATION FL #55983 CAN. 28677 YIPING WANG No 55983 STATE OF FLORIDA PROFESSIONAL ENGINEER	R2			
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	Sheet No.			
	7 OF 7			
	August 11th, 2023			
DATE		08.11.2023	James	UPDATE TO FBC 2023
Rev. No.				
Drawn By				
Description				

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