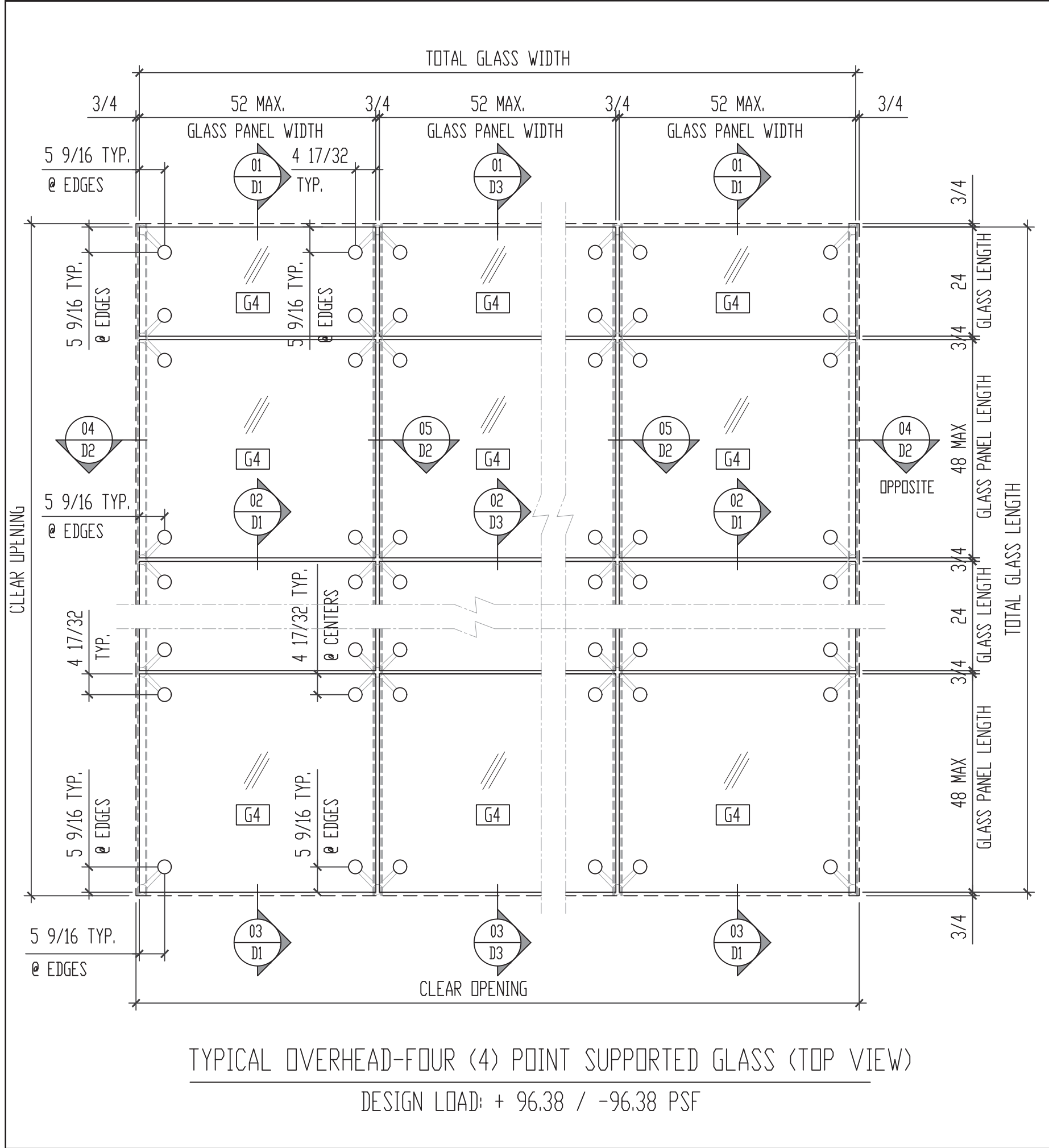




GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION FBC (2020)/ 8TH EDITION FBC (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- FOUR (4) OR SIX (6) OVERHEAD POINT SUPPORT GLASS SYSTEM RATED FOR LARGE MISSILE IMPACT AND DO NOT REQUIRE SHUTTERS.
- THESE OVERHEAD POINT SUPPORT GLASS SYSTEM ARE APPROVED FOR AIR AND WATER INFILTRATION.
- CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.
- 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 FBC (2020)/8TH EDITION FBC (2023) SECTION AS APPLICABLE.
- SUPPORTING STRUCTURES NOT BY NR ARCHITECTURAL PRODUCTS, INC. MUST SUPPORT LOADS IMPOSED BY POINT SUPPORT GLASS SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.
- GLASS CAPACITY ARE BASED ON ASTM E1300-09 (3 SECS. GUEST)
- ALL DIMENSION UNITS NOT SPECIFIED SHOULD BE IN INCHES.

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.

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 #21466.1



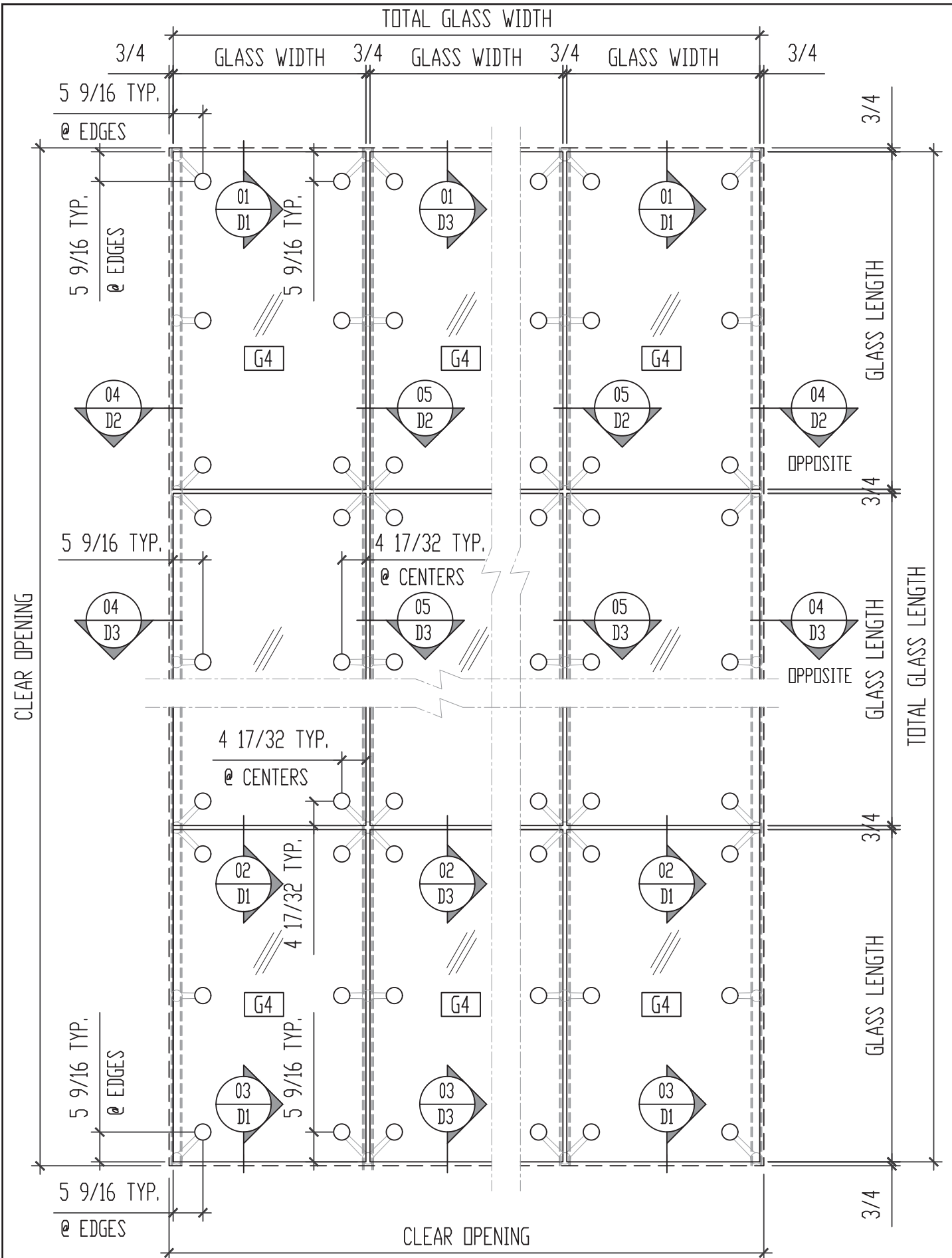
REVISIONS		NO. DATE DESCRIPTION	
		R2	08.11.23 FBC 2023

MCY ENGINEERING, INC.		GLAZING CONSULTANTS	
12781 Miramar Pkwy. STE. 301		P: 305.271.0117	
Miramar, FL 33027		www.MCYEngineering.com mcy@mcyengineering.com	

OVERHEAD POINT SUPPORT GLASS SYSTEM (L.M.I.)		NR ARCHITECTURAL PRODUCTS	
4348 WESTROADS DRIVE		WEST PALM BEACH, FLORIDA 33407	
P: (561) 844-1121		F: (561) 844-6131	

DATE	08.11.2023
SCALE	AS SHOWN
DRAWN	James
PROJECT	16-095

DRAWING NO.	AD16-47
SHEET 1 OF 11	

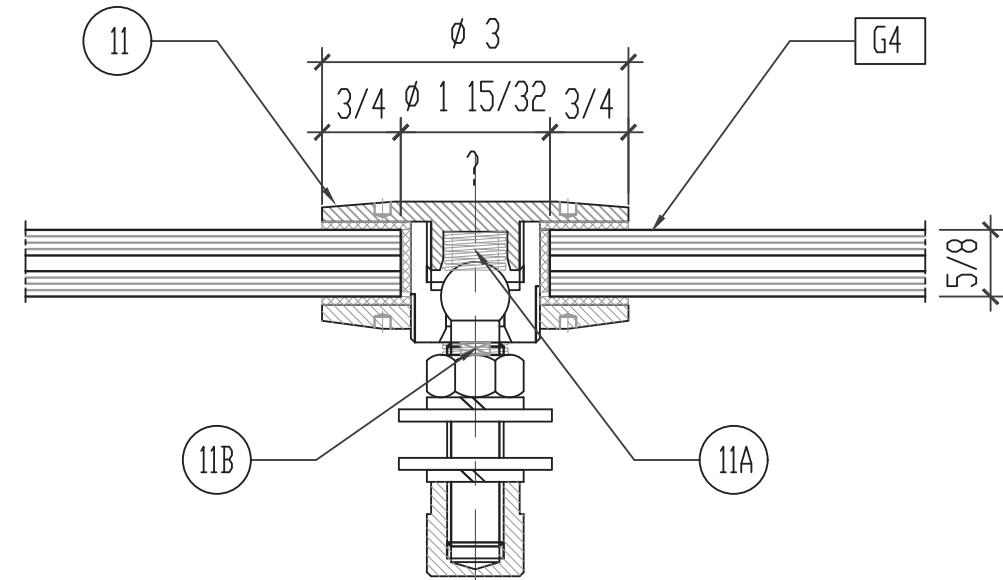


TYPICAL OVERHEAD-SIX (6) POINT SUPPORTED GLASS (TOP VIEW)

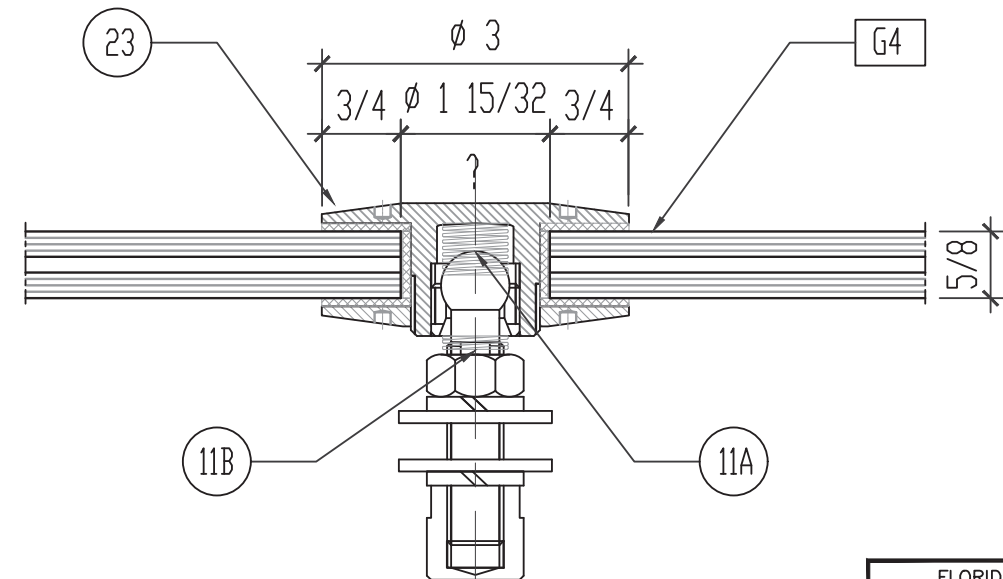
DESIGN LOAD: REFER TO SHEET 6 OF 11

GLASS SPECS:

G4 15.98 (5/8") LAMINATED VISION GLASS
5.7 (1/4") CLEAR TEMPERED + 0.180 KURARAY SENTRYGLAS PLUS IONOPLAST + 5.7 (1/4") CLEAR TEMPERED.

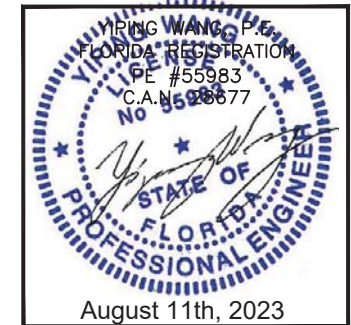


GLASS G4: WITH ROUTEL PS-11



GLASS G4: WITH ROUTEL PS-23

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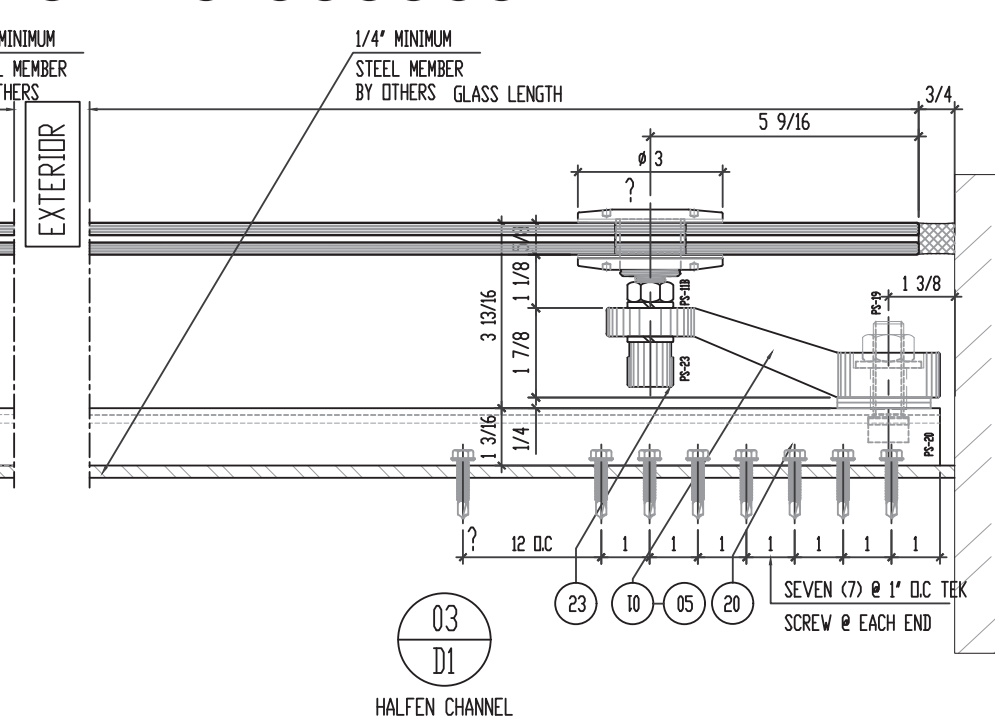
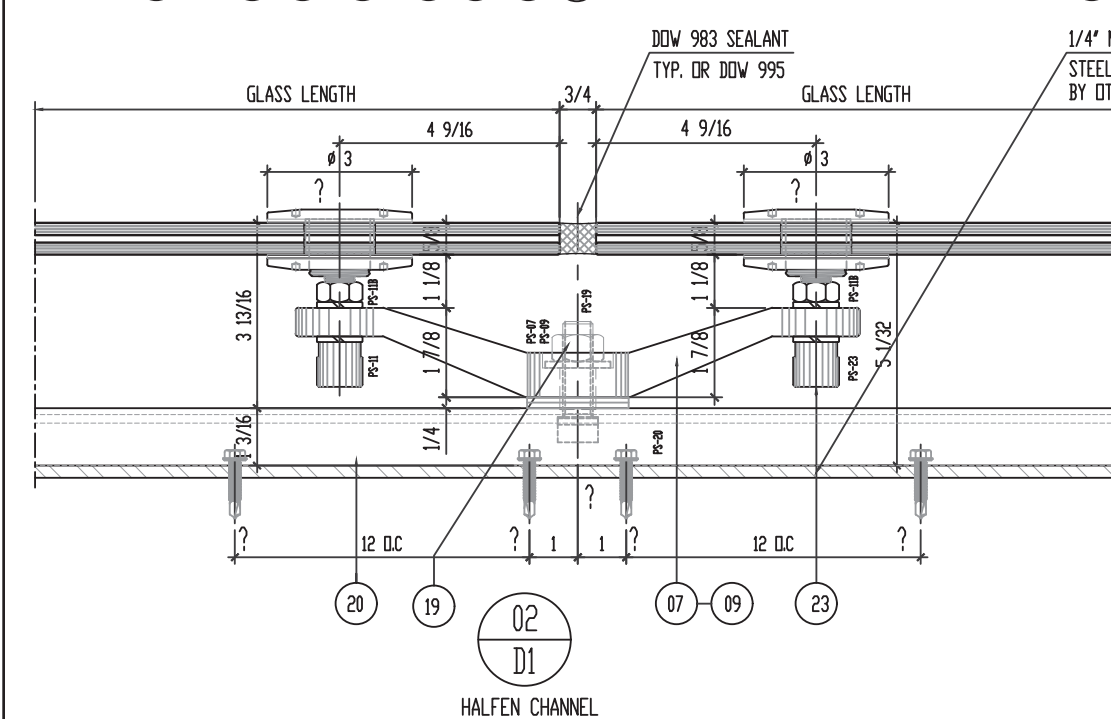
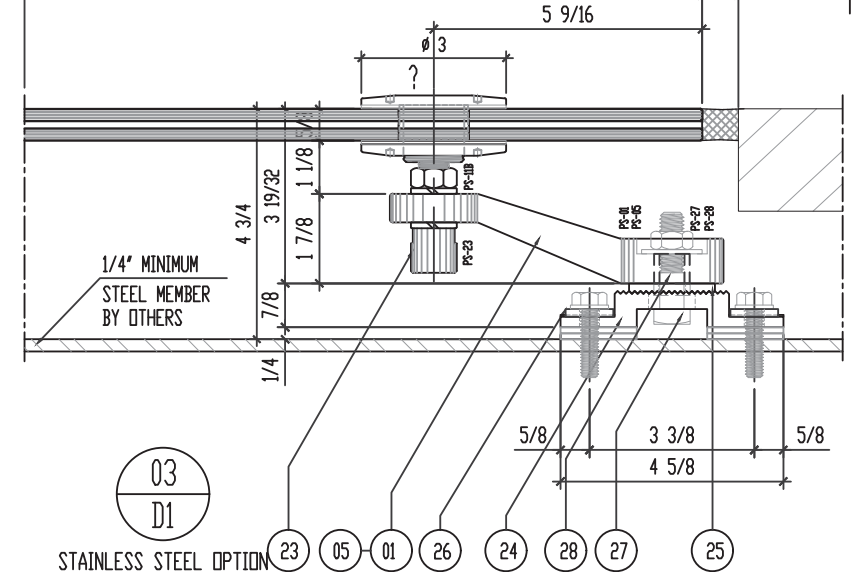
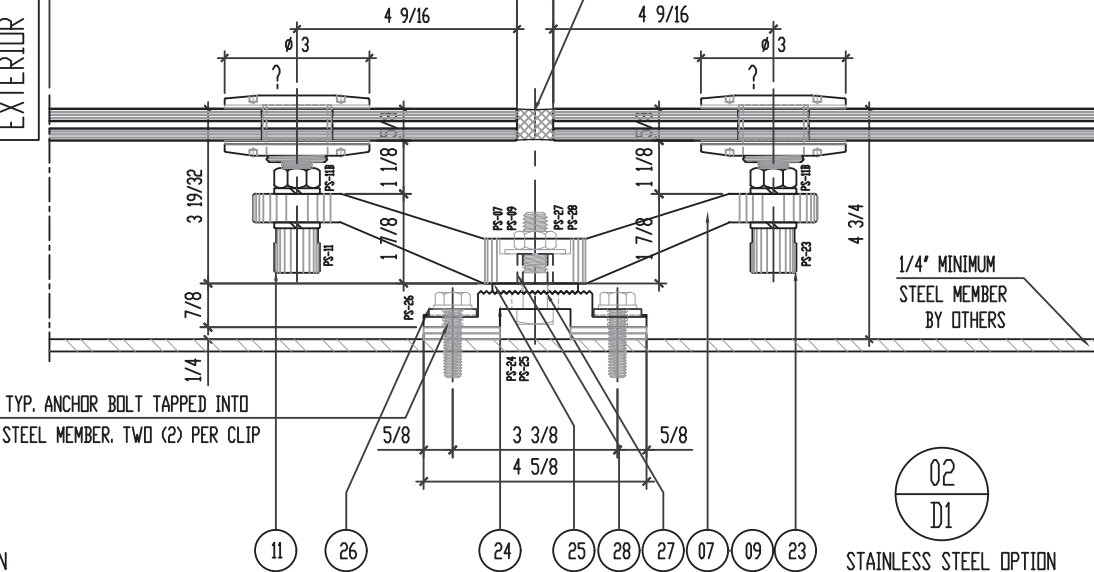
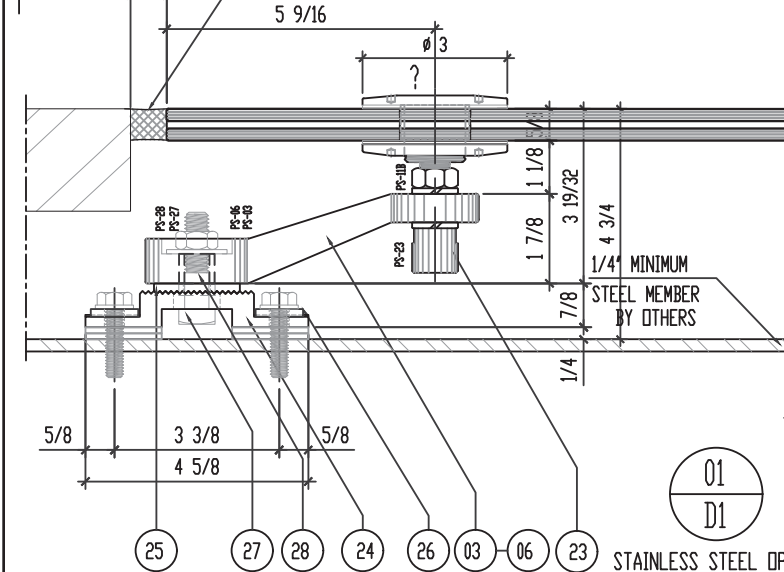
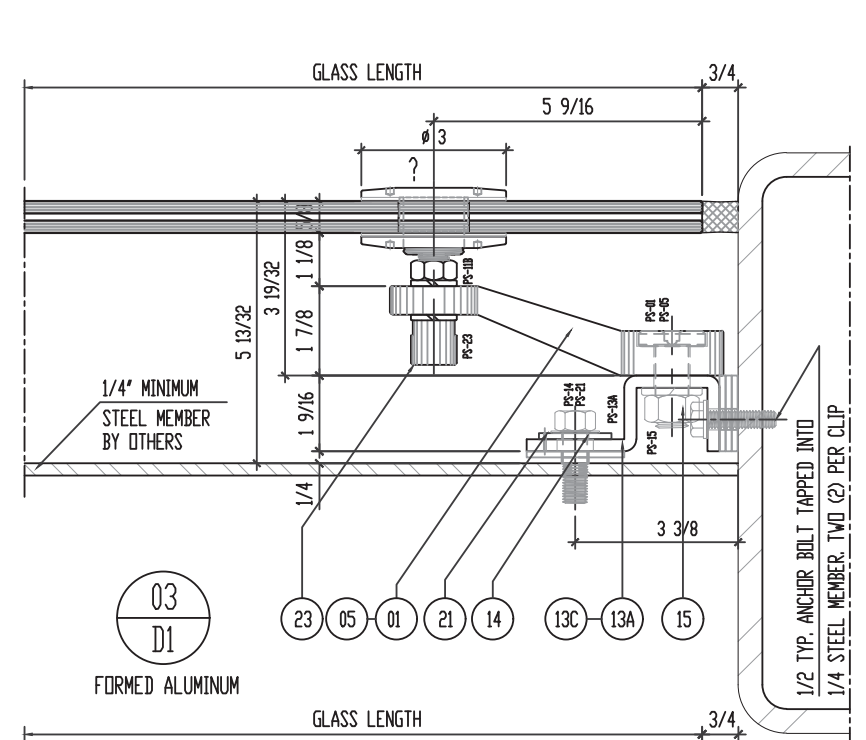
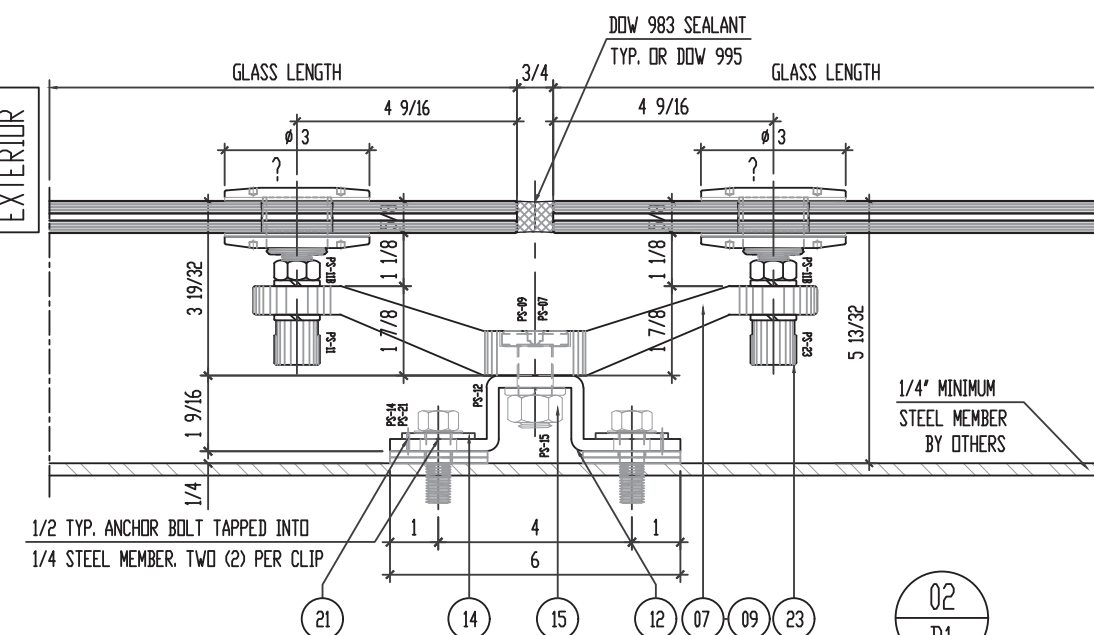
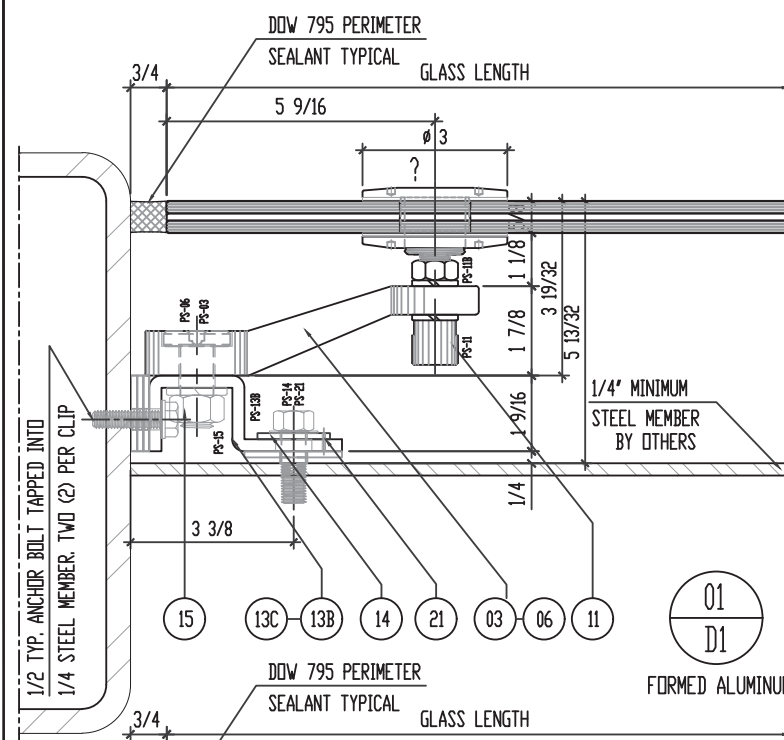
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OVERHEAD POINT SUPPORT GLASS SYSTEM (L.M.I.)

NR ARCHITECTURAL PRODUCTS

4348 WESTROADS DRIVE
WEST PALM BEACH, FLORIDA 33407
P: (561) 844-1121 F: (561) 844-6131

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DRAWING NO.	AD16-47
SHEET 2 OF 11	



FLORIDA APPROVAL:

FL #21466.1

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

STATE OF FLORIDA
PROFESSIONAL ENGINEER

August 11th, 2023

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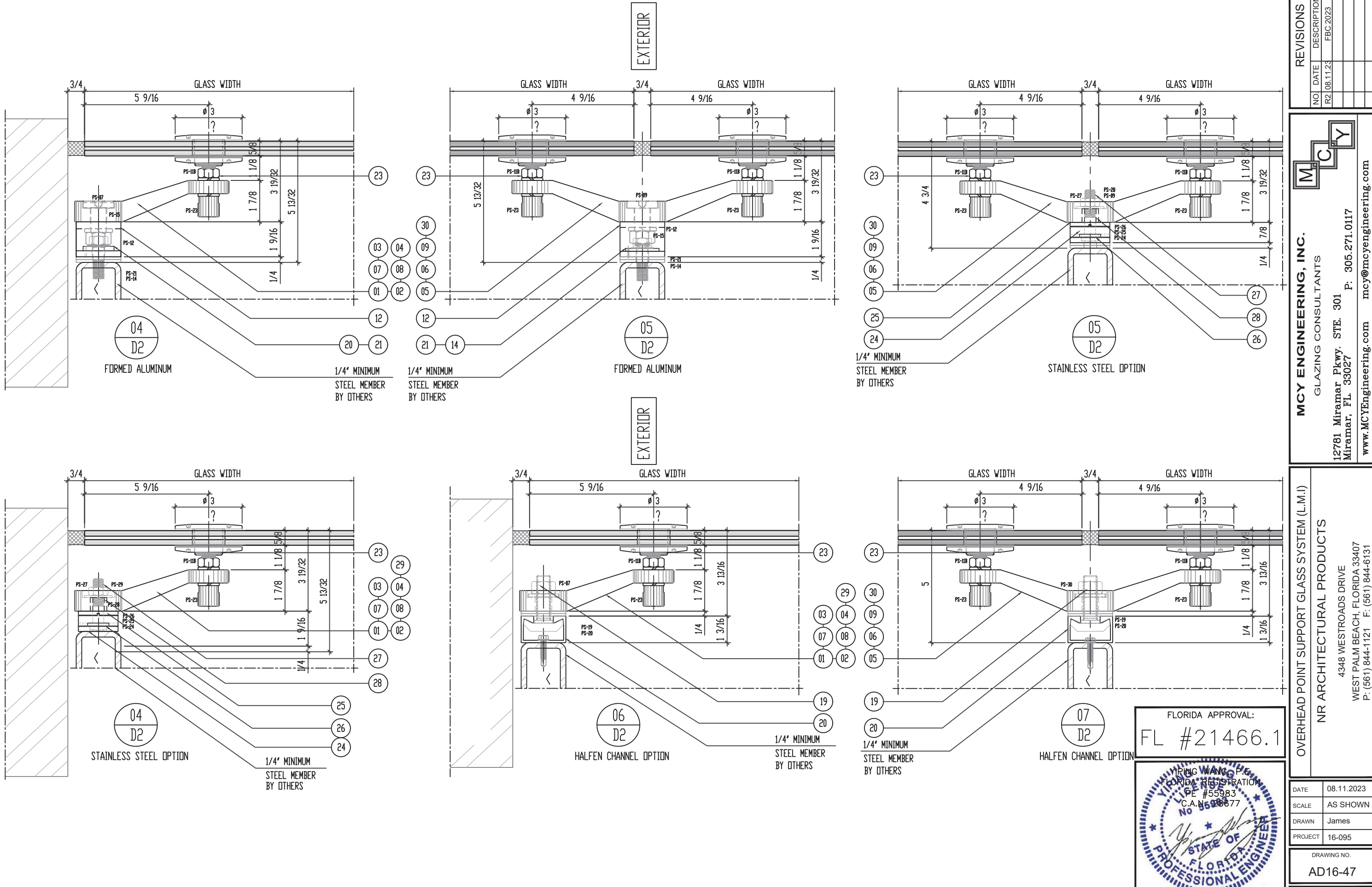
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SHEET 3 OF 11	



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YIPING WANG, P.E.
FLORIDA REGISTRATION
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C.A. No. 9528677

STATE OF
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SHEET 4 OF 11	

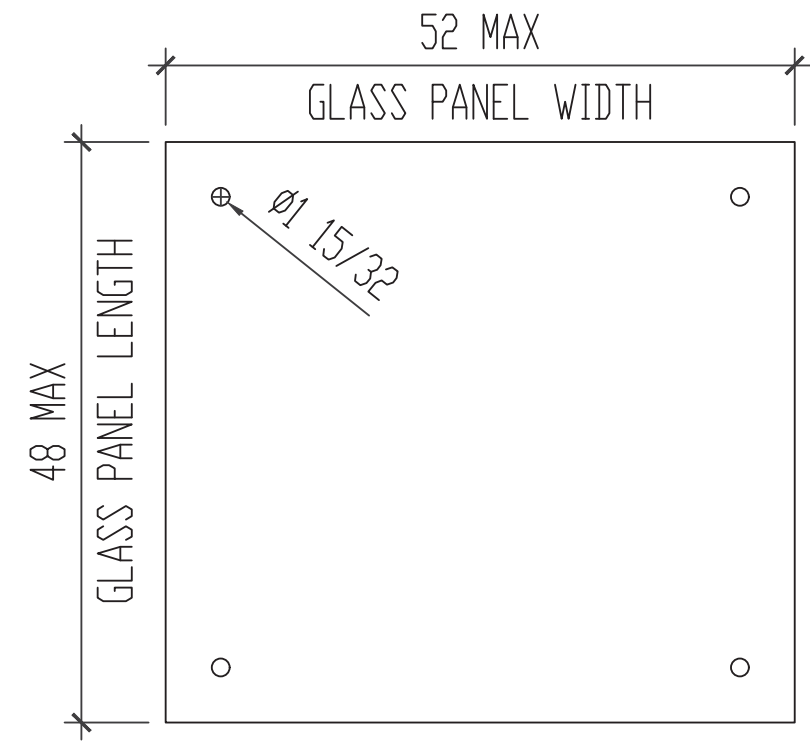


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C.A.N. 28877

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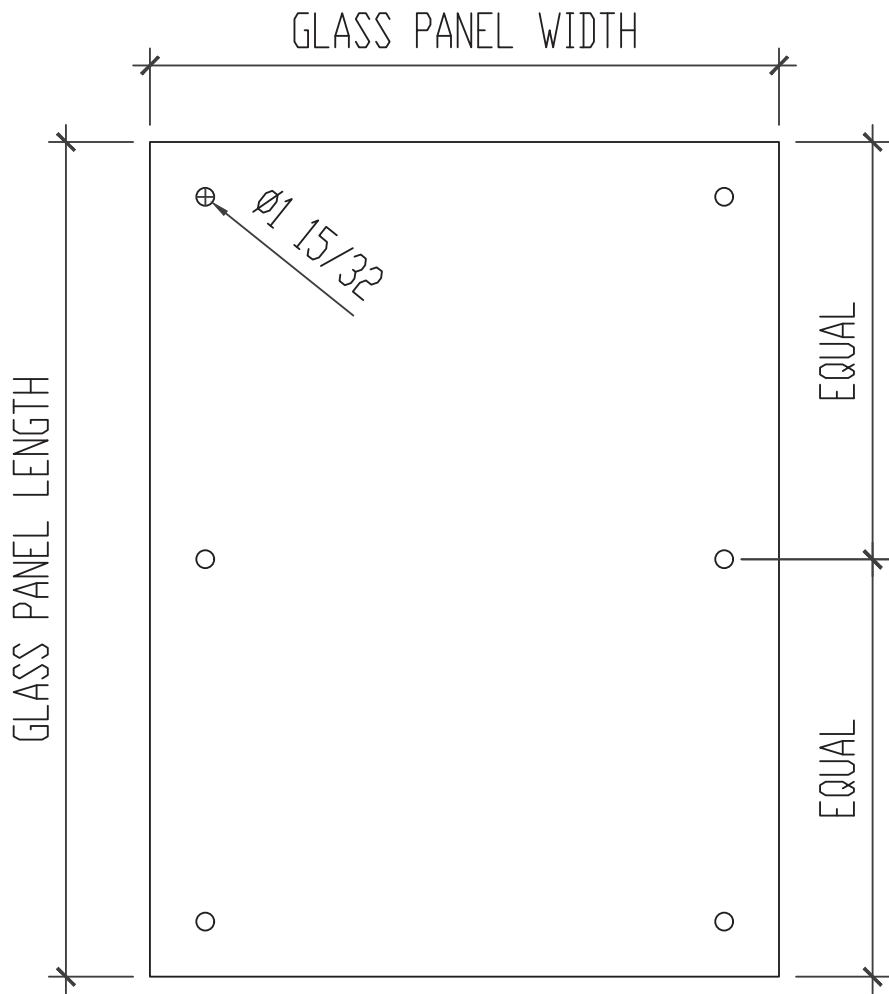
SHEET 5 OF 11

GLASS CONFIG.: FOUR (4) POINT SUPPORT



TYPICAL GLASS ELEVATION

GLASS CONFIG.: SIX (6) POINT SUPPORT



TYPICAL GLASS ELEVATION

SIX (6) POINT SUPPORT GLASS DESIGN LOAD CHART		
WIDTH-IN	LENGTH-IN	DP (PSF)
41-1/2"	60"	96.38
40-1/4"	62"	96.38

FLORIDA APPROVAL:
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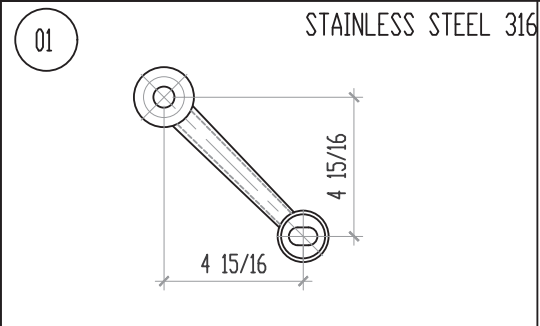
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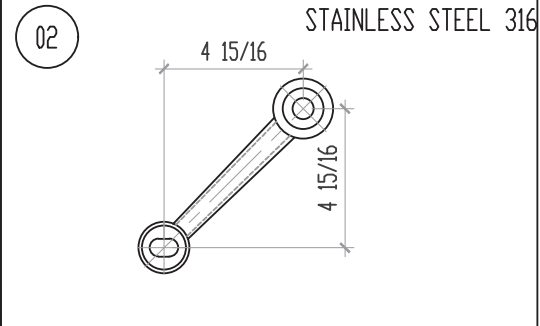
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AD16-47

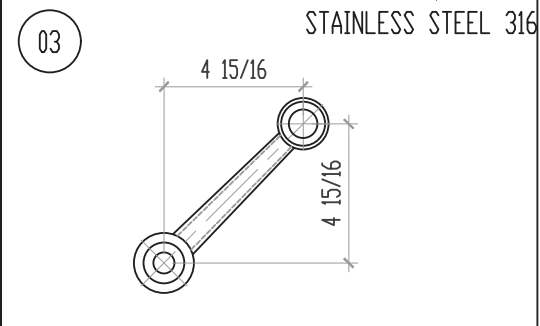
SHEET 6 OF 11



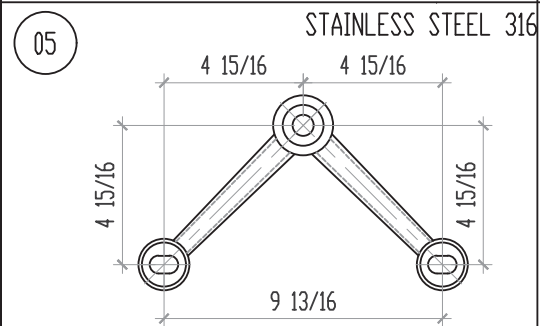
PS-01: SINGLE ARM (TOP LEFT)



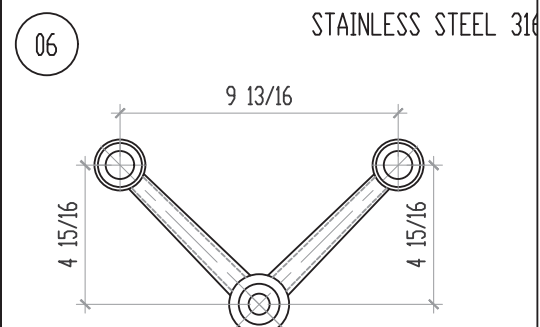
PS-02: SINGLE ARM (TOP RIGHT)



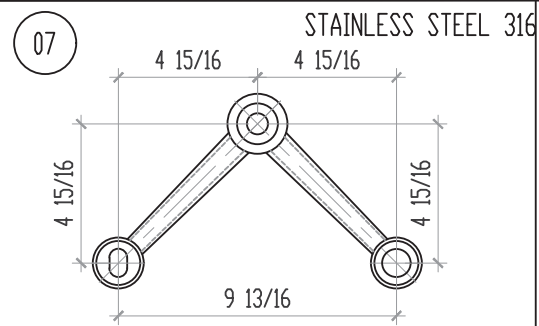
PS-03: SINGLE ARM (BOTTOM LEFT)



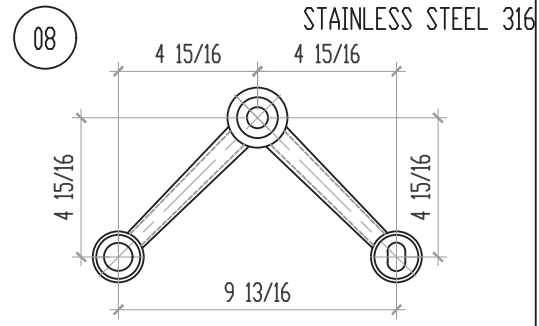
PS-05: DOUBLE ARM (TOP CENTER)



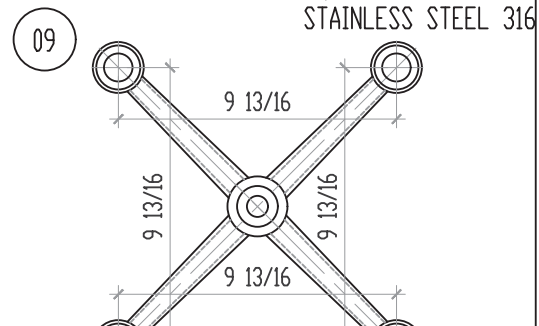
PS-06: DOUBLE ARM (BOTTOM CENTER)



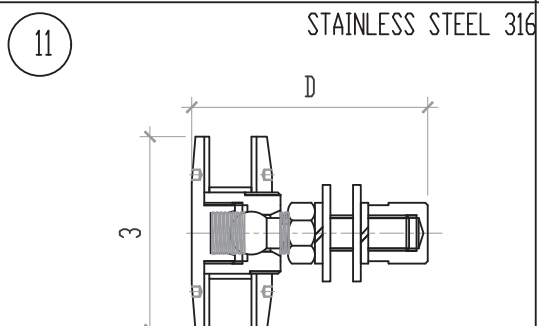
PS-07: DOUBLE ARM (JAMB LEFT)



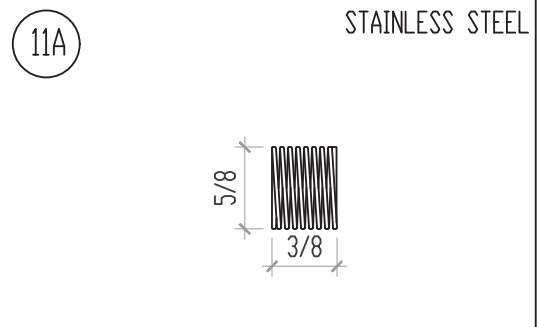
PS-08: DOUBLE ARM (JAMB RIGHT)



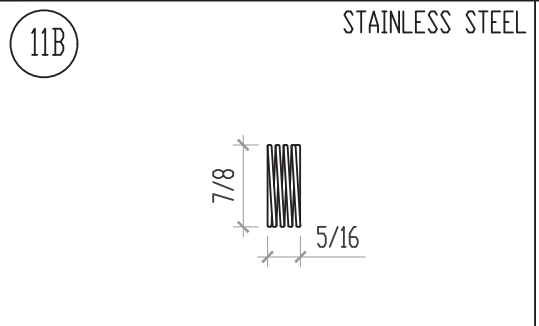
PS-09: 4- ARM (CENTER)



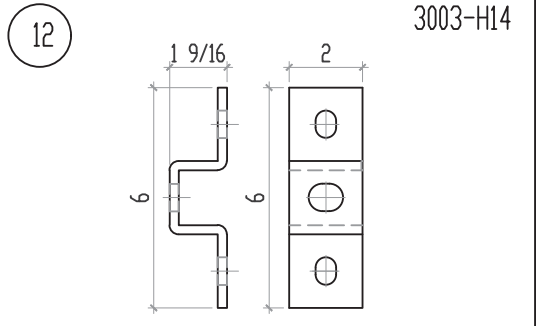
PS-11: Ø 3" ROUTEL ASSEMBLY



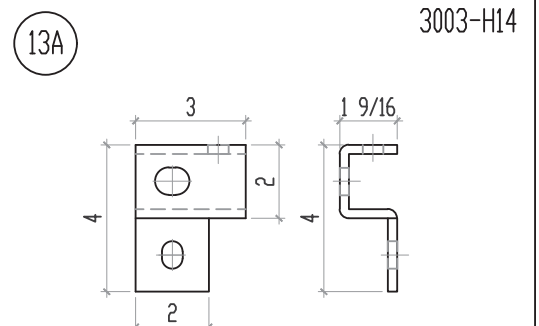
PS-11A: REDUX SPRING ' 5/8" X 3/8" HIGH INTERNAL SPRING TYPE 17-7



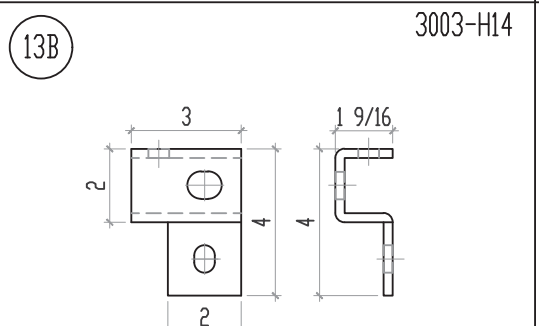
PS-11B: REDUX SPRING ' 7/8" X 5/16" HIGH EXTERNAL SPRING TYPE 17-7 S/S



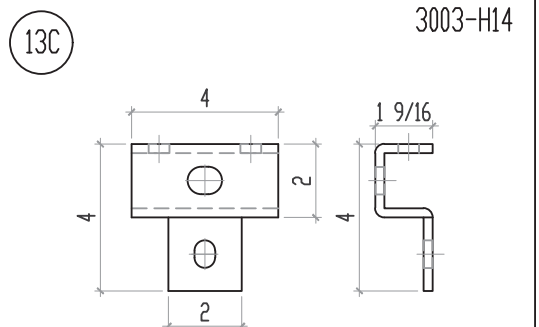
PS-12: 2' LONG FORMED BRACKET



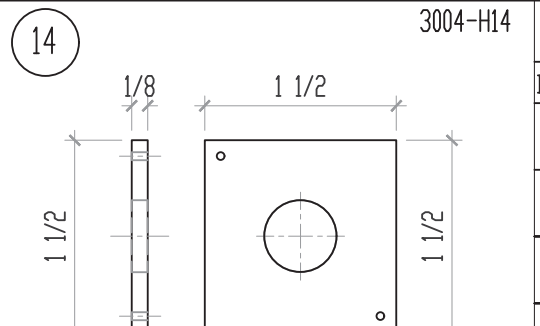
PS-13A: 3' LONG FORMED BRACKET



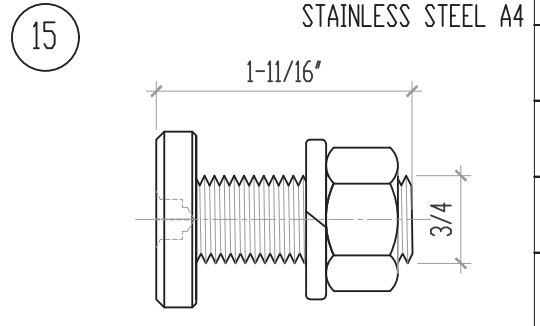
PS-13B: 3' LONG FORMED BRACKET



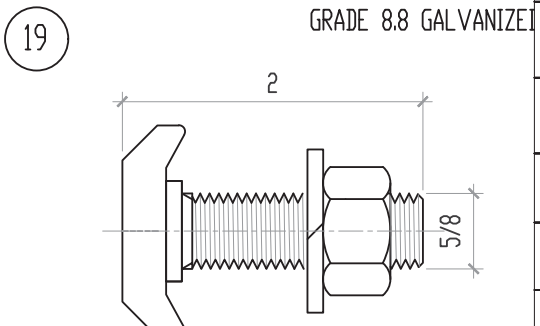
PS-13C: 3' LONG FORMED BRACKET



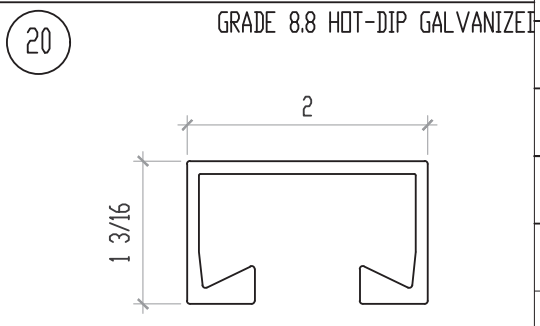
PS-14: 1/8"X1-1/2"X1-1/2" ALU-LOCKING PLATE



PS-15: Ø 3/4"X1-11/16" SOCKET HD. BOLT



PS-19: BH651 M16 (Ø 5/8") HALFEN T-BOLT



PS-20: HZM 38/23 HALFEN CHANNEL



PS-21: ' 1/16"X3/8" LG. SLOTTED DRIVE P

BILL OF MATERIALS:			
ITEM #	PART #	DESCRIPTION	MATERIAL
01	PS-01	TOP LEFT 1-ARM SPIDER	STAINLESS STEEL 316
02	PS-02	TOP RIGHT 1-ARM SPIDER	STAINLESS STEEL 316
03	PS-03	BOTTOM LEFT 1-ARM SPIDER	STAINLESS STEEL 316
04	PS-04	BOTTOM RIGHT 1-RM SPIDER	STAINLESS STEEL 316
05	PS-05	TOP CENTER 2-ARM SPIDER	STAINLESS STEEL 316
06	PS-06	BOTTOM CENTER 2-ARM SPIDER	STAINLESS STEEL 316
07	PS-07	LEFT JAMB 2-ARM SPIDER	STAINLESS STEEL 316
08	PS-08	RIGHT JAMB 2-ARM SPIDER	STAINLESS STEEL 316
09	PS-09	CENTER 4-ARM SPIDER	STAINLESS STEEL 316
11	PS-11	Ø 3" SPIDER ROUTEL	STAINLESS STEEL 316
11A	PS-11A	REDUX SPRING Ø 5/8" X 3/8" HIGH INTERNAL SPRING TYPE 17-7	STAINLESS STEEL
11B	PS-11B	REDUX SPRING Ø 7/8" X 5/16" HIGH EXTERNAL SPRING TYPE 17-7	STAINLESS STEEL
12	PS-12	1/4" THK-2'X6" FORMED BRACKET	3003-H14 ALUMINUM
13A	PS-13A	1/4" THK-3'X4" FORMED BRACKET	3003-H14 ALUMINUM
13B	PS-13B	1/4" THK-3'X4" FORMED BRACKET	3003-H14 ALUMINUM
13C	PS-13C	1/4" THK-3'X4" FORMED BRACKET	3003-H14 ALUMINUM
14	PS-14	1/8" THK-ALU-LOCKING PLATE	3003-H14 ALUMINUM
15	PS-15	Ø 3/4"X1-11/16" SOCKET HD. BOLT	STAINLESS STEEL A4
19	PS-19	BH651 M16 (Ø 5/8") HALFEN BOLT	GRADE 8.8 GALV.
20	PS-20	HZM 38/23 HALFEN CHANNEL	GRADE 8.8 GALV.

FLORIDA APPROVAL:

FL #21466.1

YOUNG WANG, P.E.
FLORIDA REGISTRATION
PE #55983
C.A. #28677

STATE OF FLORIDA
PROFESSIONAL ENGINEER

August 11th, 2023

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DRAWING NO.

AD16-47

SHEET 7 OF 11

MCY ENGINEERING, INC.

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www.MCYEngineering.com mcy@mcyengineering.com

OVERHEAD POINT SUPPORT GLASS SYSTEM (L.M.I.)

NR ARCHITECTURAL PRODUCTS

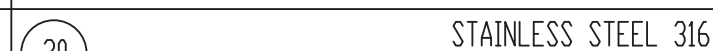
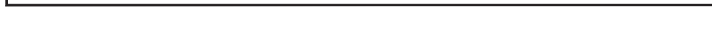
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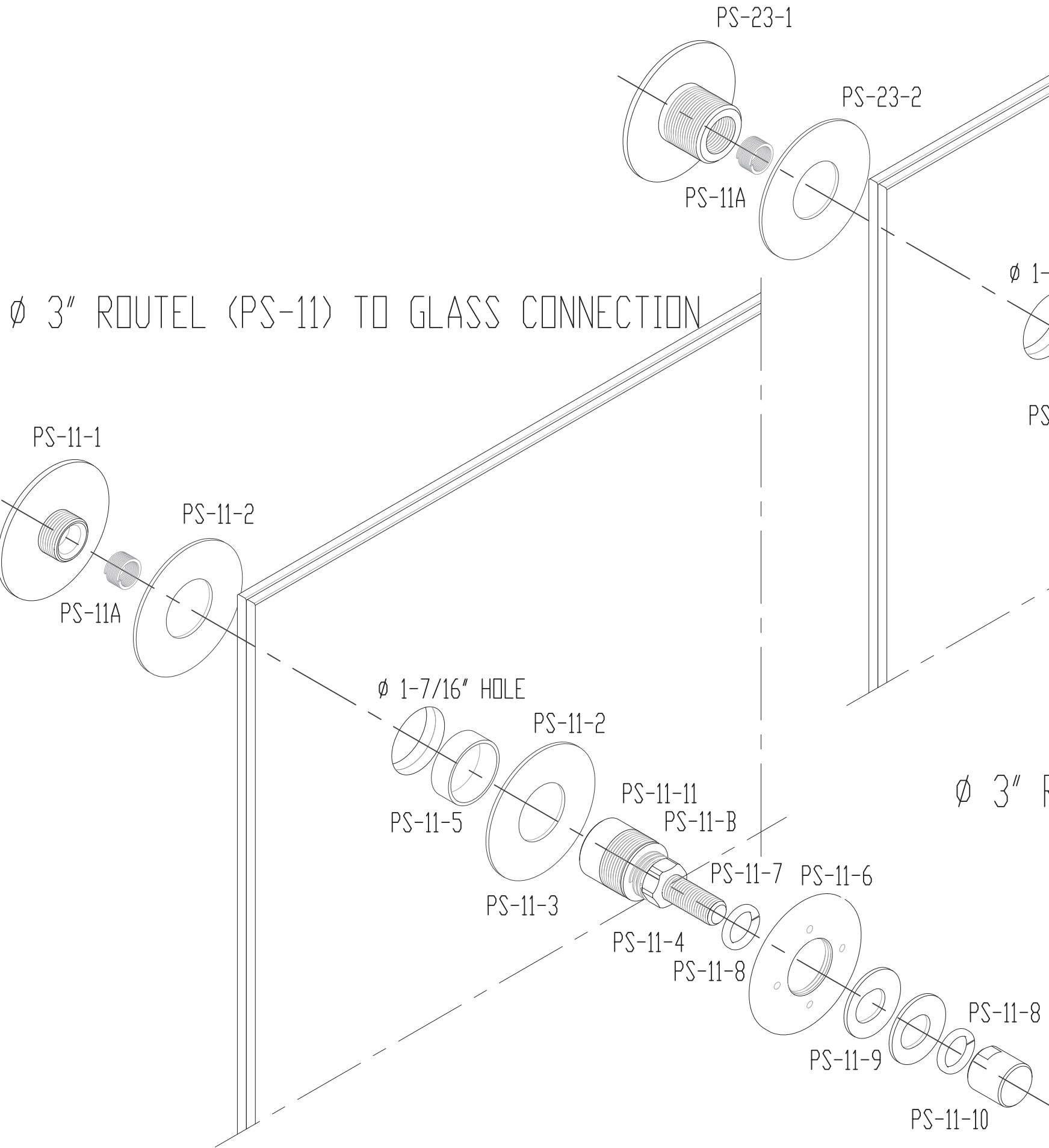
SHEET 7 OF 11



OVERHEAD P NR AR	FLORIDA APPROVAL:	
	FL #21466.1	
DATE SCALE DRAWN PROJECT		
	DRAWING NO.	
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	SHEET 8 OF 11	



Ø 3" ROUTEL (PS-11) TO GLASS CONNECTION



Ø 3" ROUTEL (PS-23) TO GLASS CONNECTION

FLORIDA APPROVAL:
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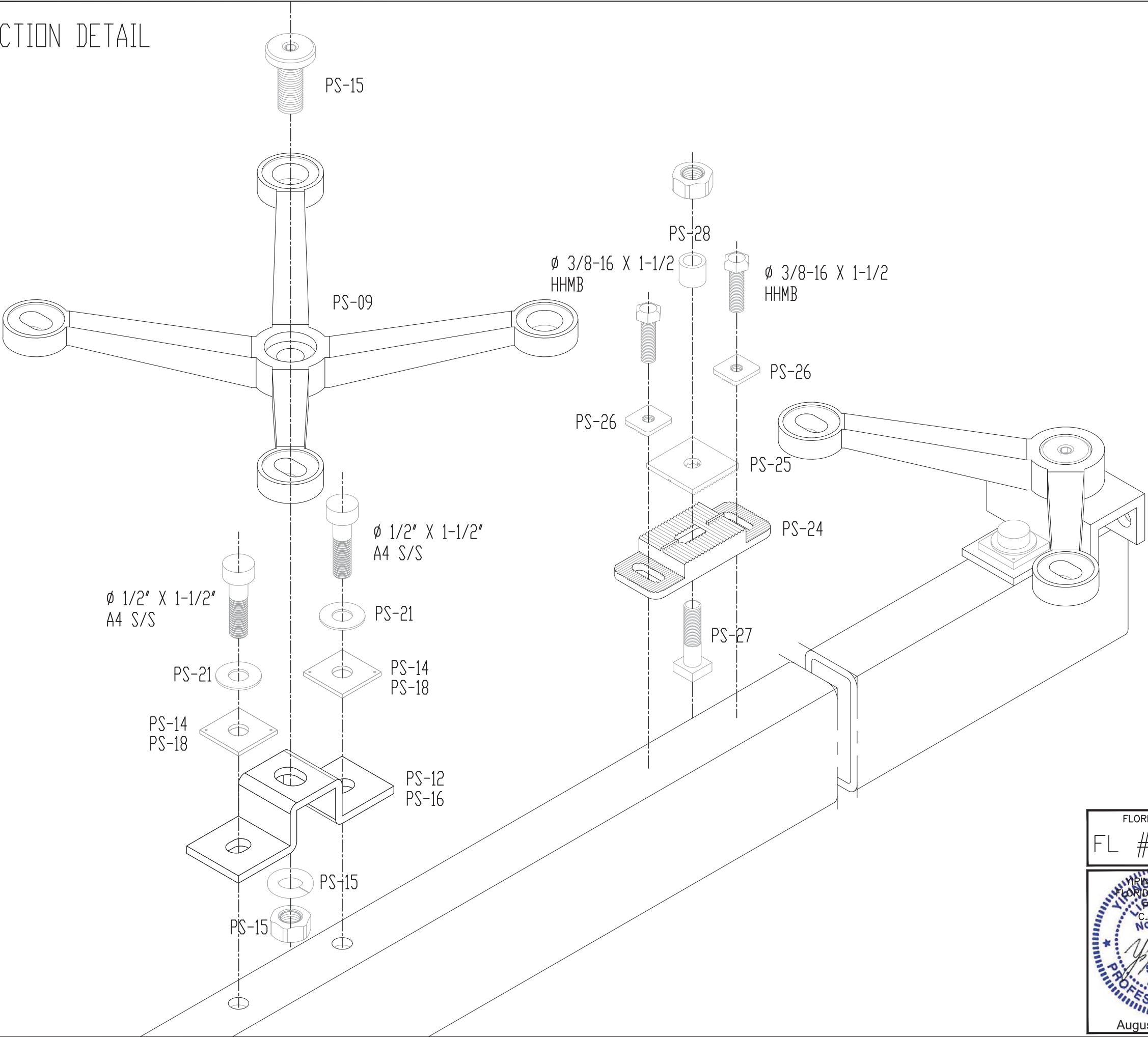
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SPIDER CONNECTION DETAIL



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FLORIDA REGISTRATION
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C.A. No. 28677

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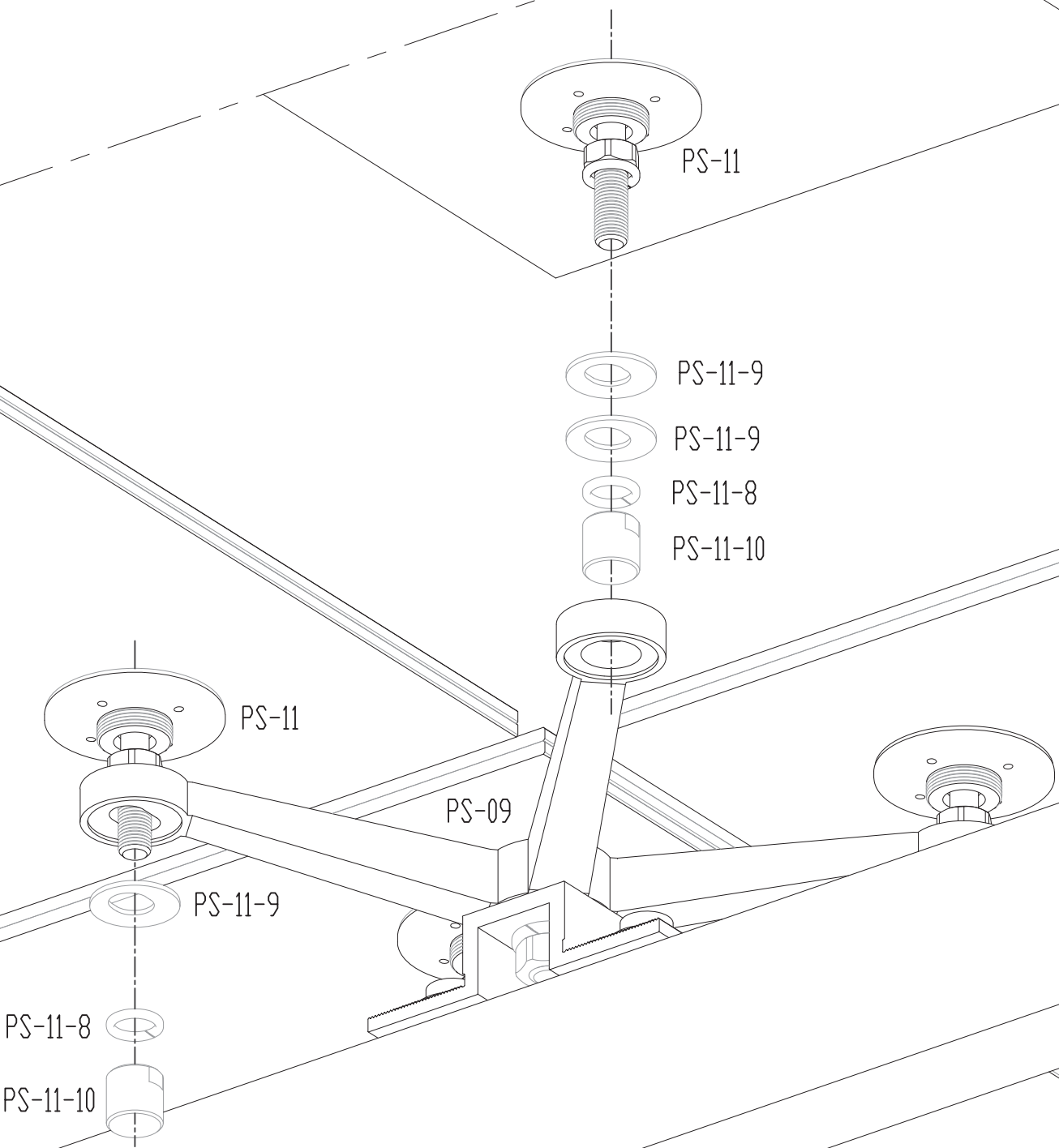
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GLASS INSTALLATION AND CONNECTION DETAIL

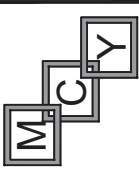


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SHEET 11 OF 11