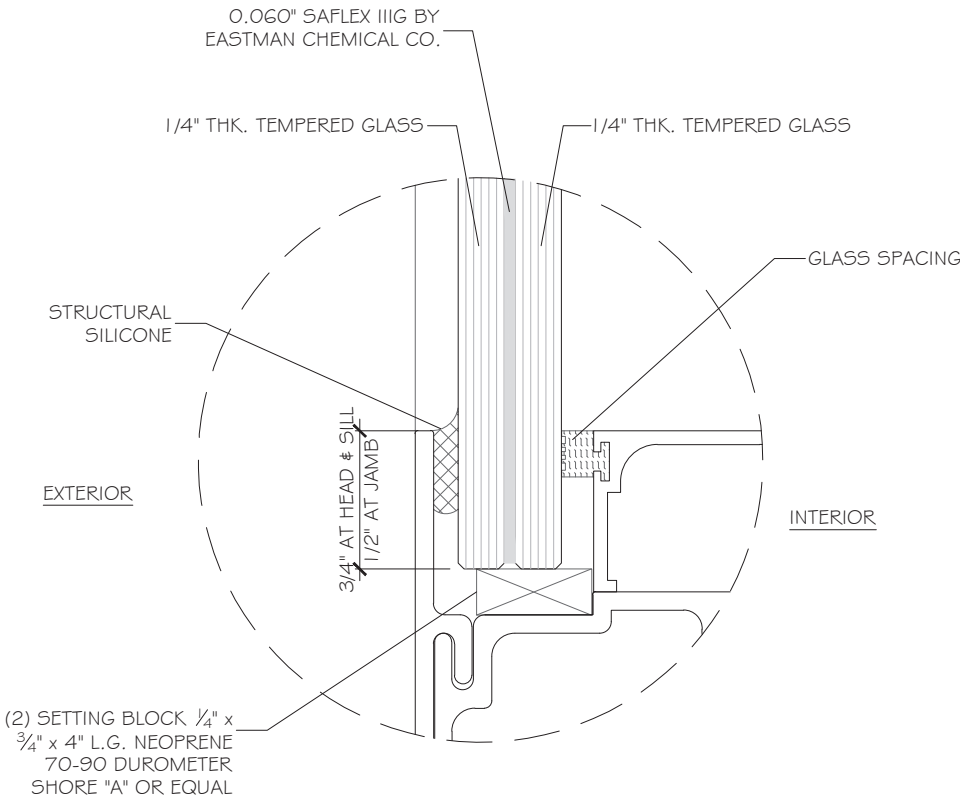
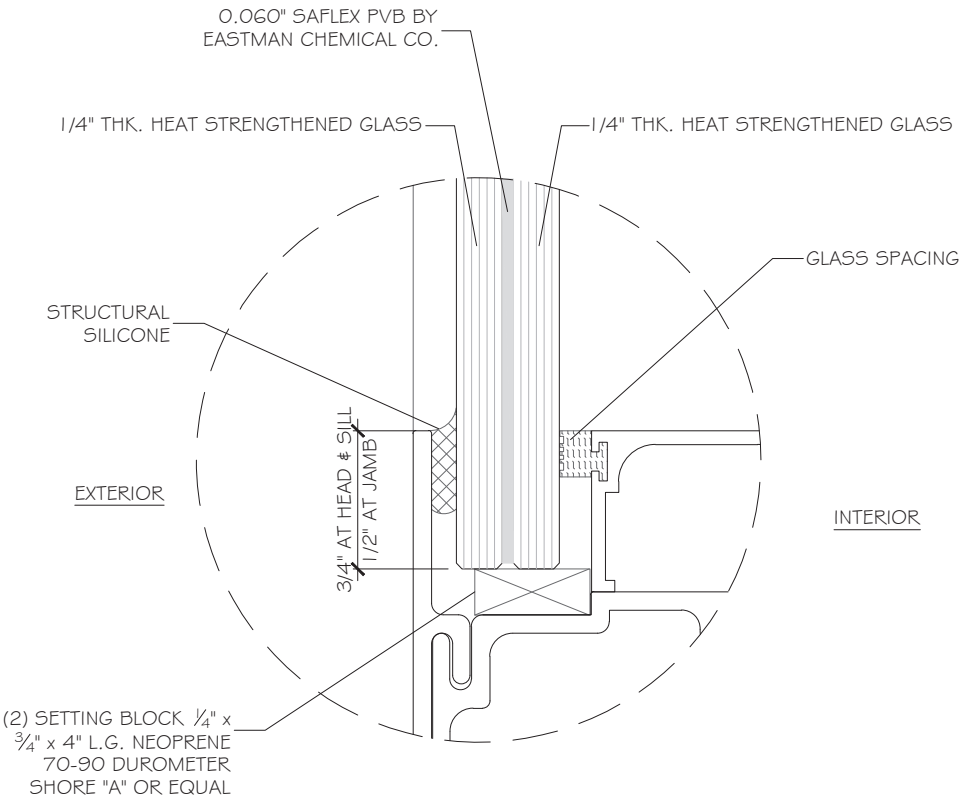


CONTINENTAL GLASS SYSTEMS, LLC
SERIES 3100 - WINDOW WALL SYSTEMS
SMALL MISSILE IMPACT



GLASS TYPE "G3"
9/16" LAMINATED GLASS



GLASS TYPE "G4"
9/16" LAMINATED GLASS

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).
- PRODUCTS ARE RATED FOR SMALL MISSILE IMPACT ONLY. IMPACT SHUTTERS ARE NOT REQUIRED FOR ELEVATIONS 30'-0" ABOVE GRADE OR HIGHER. IMPACT SHUTTERS ARE REQUIRED FOR ELEVATIONS LOWER THAN 30'-0" ABOVE GRADE.
- DOORS ARE APPROVED FOR AIR AND WATER INFILTRATION RESISTANCE.
- 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 FLORIDA BUILDING CODE.
- METAL STRUCTURES NOT BY CONTINENTAL GLASS SYSTEMS, LLC., SHALL BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE MAIN BUILDING STRUCTURE.
- ULTIMATE LOAD OBTAINED FROM ASCE 7-22, MULTIPLIED 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.

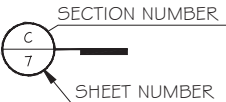
-SEALANTS:
ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICONE SEALANT.

INSTRUCTIONS:
USE CHARTS AS FOLLOWS.

- STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD.
- STEP 2: SEE SHEET E1 TO E2 FOR APPROVED CONFIGURATIONS AND DESIGN LOAD
- STEP 3: SEE ANCHOR TYPE ON SHEET D1, SEE ELEVATION FOR ANCHOR LAYOUT.
- STEP 4: THE LOWEST VALUE RESULTING FROM STEPS 2 & 3 THAT EXCEED THE DESIGN WIND PRESSURES DETERMINED THRU STEP 1 SHALL APPLY TO ENTIRE SYSTEM. WHEN USE SYSTEM WITH DOOR, THE LOWER VALUE OF THE DESIGN PRESSURE RATING FOR THE SYSTEM AND THE DOOR SHALL APPLY.

NOTE:
GLASS COMPLIES WITH ASTM E1300-16
(3 SEC. GUSTS).

ABBREVIATIONS AND SYMBOLS	
D.L.O. - DAYLITE OPENING	P.H. - PANEL HEIGHT
F.H. - FRAME HEIGHT	P.W. - PANEL WIDTH
F.W. - FRAME WIDTH	
W/ - WITH	
W/O - WITHOUT	
O.C. - ON CENTER	
G.B. - GLASS BITE	



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#29215.3

Professional Engineer Seal for Yip Ng Wang, P.E., License #55983, State of Florida, dated December 27th, 2023.

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

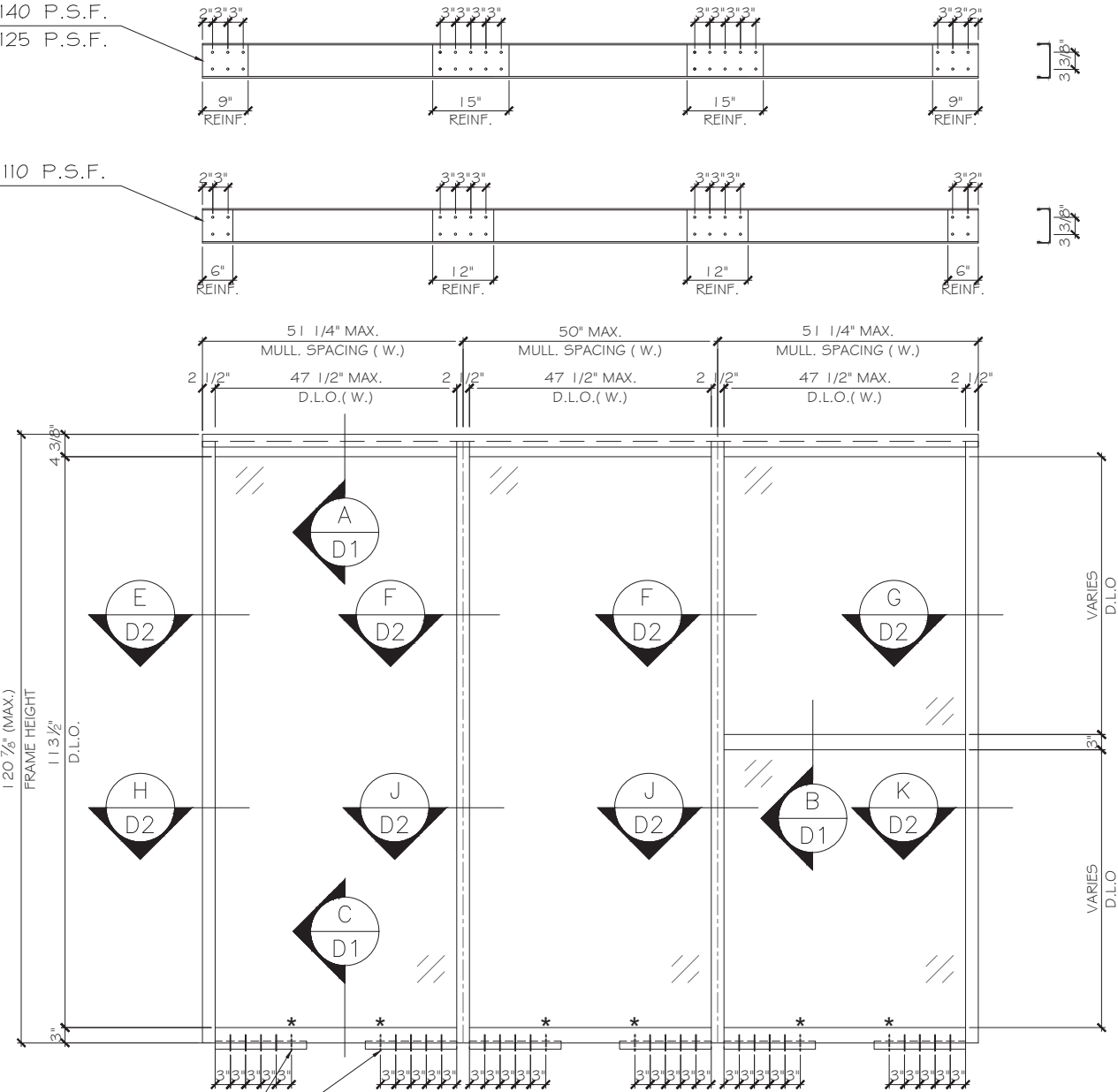
SERIES 3100 WINDOW WALL SYSTEM SMI
CONTINENTAL GLASS SYSTEMS LLC
325 WEST 74 PLACE,
HIALEAH, FL 33014
TEL: (305) 231-1101

					REV/SION	Description
				James	Drawn By	
			11/20/2023		Date	
			1.		Rev. No.	
Drawn Date	11/20/2023	Scale				
DRAWING NO.	AD23-46					
	CI					
Sheet No.	1	OF	8			

HEAD RECEPTOR OPTION ANCHOR LAYOUT

WHEN LOAD = 140 P.S.F.
WHEN LOAD = 125 P.S.F.

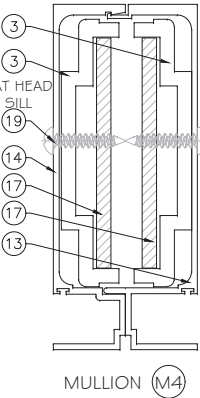
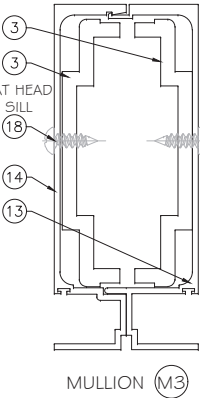
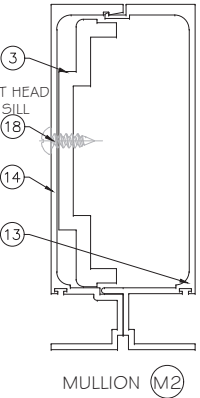
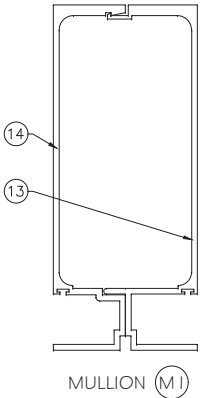
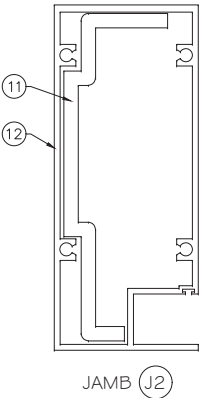
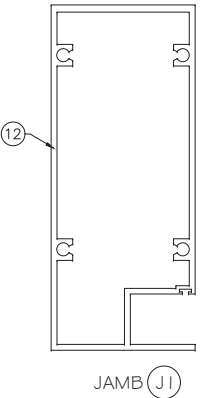
WHEN LOAD ≤ 110 P.S.F.



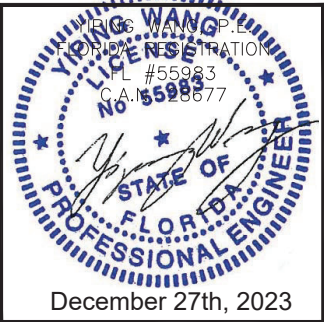
*ADD (2) ANCHORS TO EACH
PANEL WHEN LOAD ≥ 125 P.S.F.
ITEM ⑧ IS 18\"/>

TYPICAL EXTERIOR FIXED WINDOW ELEVATION

DESIGN LOAD CAPACITY - PSF						
FRAME WIDTH	FRAME HEIGHT	MULLION TYPE	DLO WIDTH	DLO HEIGHT	GLASS TYPE	DESIGN LOAD
in	in	-	in	in	-	(+/-)psf
50.000	120.875	M1, J1	47.50	113.50	G3/G4	76.0
46.000	120.875	M1, J1	43.50	113.50	G3/G4	82.5
50.000	120.875	M2, J1	47.50	113.50	G3/G4	100.0
46.000	120.875	M2, J1	43.50	113.50	G3/G4	110.0
50.000	120.875	M3, J2	47.50	113.50	G3	125.0
50.000	120.875	M4, J2	47.50	113.50	G3	140.0



FLORIDA APPROVAL:
FL#29215.3

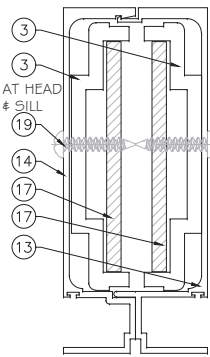
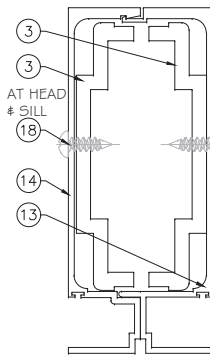
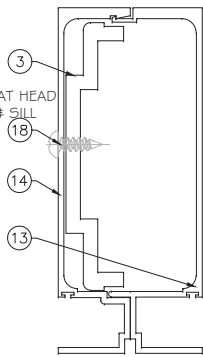
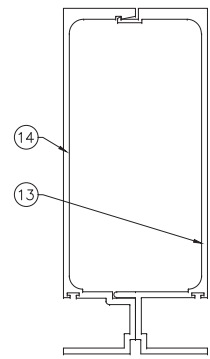
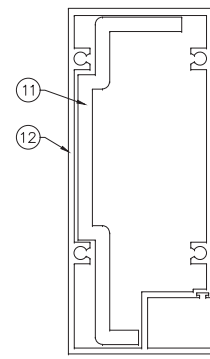
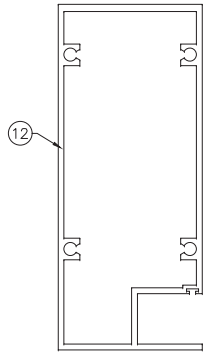


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www.MCYEngineering.com mcy@mcyengineering.com

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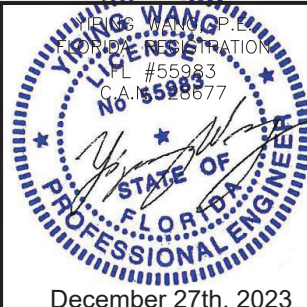
HEAD STANDARD FRAME



TYPICAL EXTERIOR FIXED WINDOW ELEVATION

DESIGN LOAD CAPACITY - PSF						
FRAME WIDTH	FRAME HEIGHT	MULLION TYPE	DLO WIDTH	DLO HEIGHT	GLASS TYPE	DESIGN LOAD
in	in	-	in	in	-	(+/-)psf
50.000	119.500	M1, J1	47.50	113.50	G3/G4	76.0
46.000	119.500	M1, J1	43.50	113.50	G3/G4	82.5
50.000	119.500	M2, J1	47.50	113.50	G3/G4	100.0
46.000	119.500	M2, J1	43.50	113.50	G3/G4	110.0
50.000	119.500	M3, J2	47.50	113.50	G3	125.0
50.000	119.500	M4, J2	47.50	113.50	G3	140.0

FLORIDA APPROVAL:
FL#29215.3

[illegible]

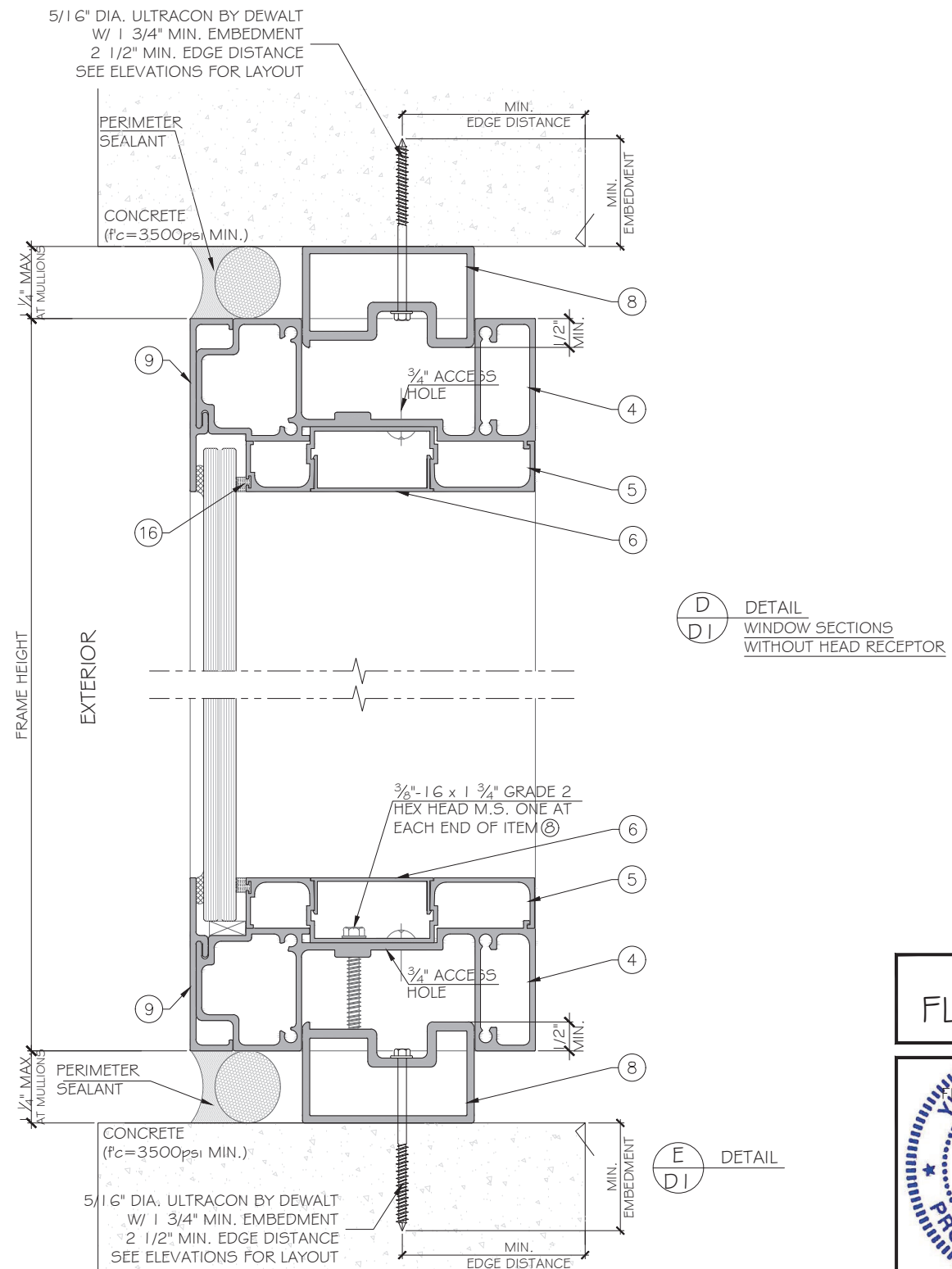
MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PKWY.STE.301
MIRAMAR, FL 33027 P: 305.271.0100

www.MCYEngineering.com mcy@mcyengineering.com

SERIES 3100 WINDOW WALL SYSTEM SMI

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325 WEST 74 PLACE,
HIALEAH, FL 33014
TEL. (305) 231-1101



Y. WANG P.E.
FLORIDA REGISTRATION
PL #55983
G.A. 5598677

STATE OF FLORIDA
PROFESSIONAL ENGINEER

December 27th, 2023

[illegible]

SERIES 3100 WINDOW WALL SYSTEM SMI

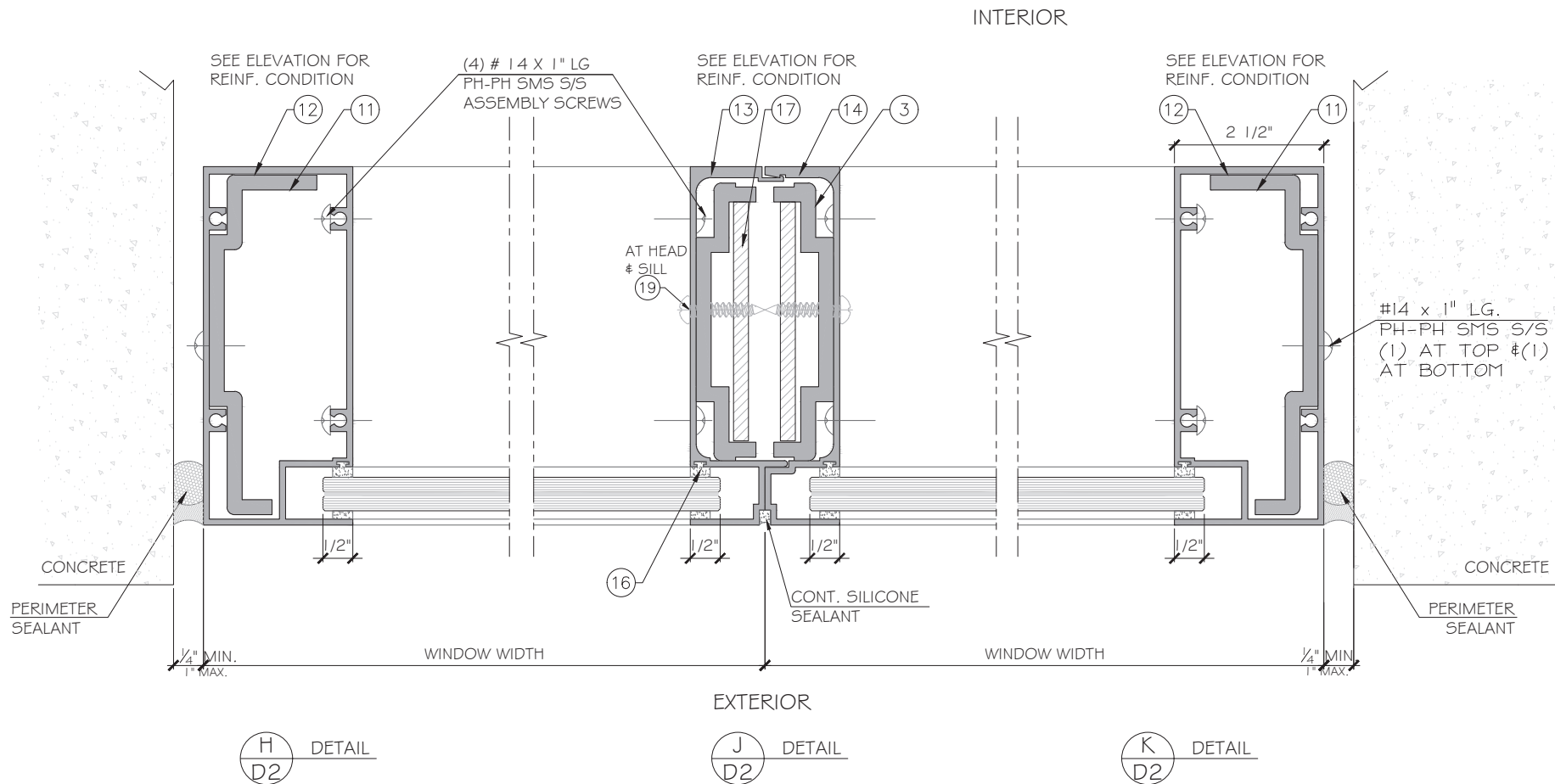
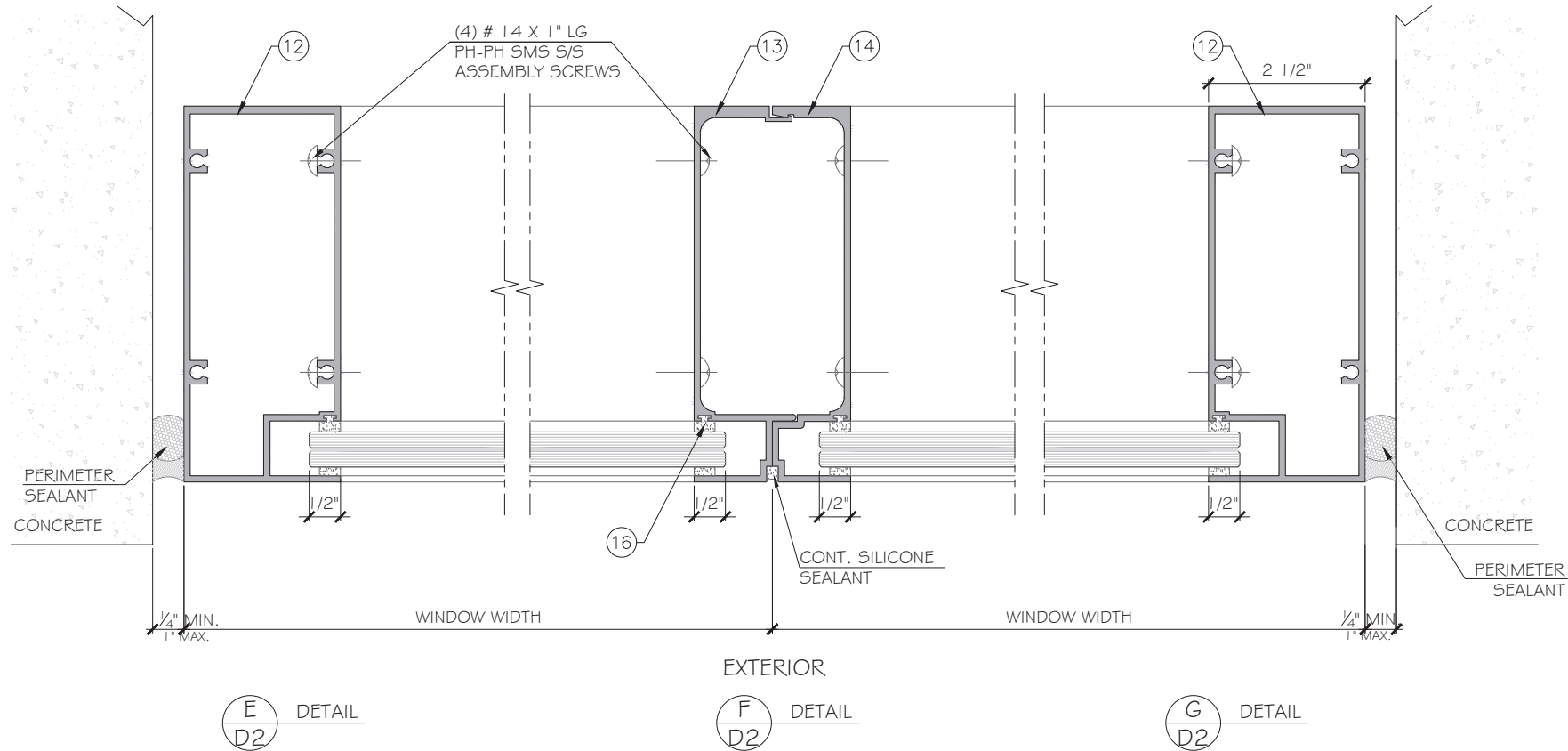
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MIRAMAR, FL 33027 P: 305.271.0101

www.MCYEngineering.com mcy@mcyengineering.com



NOTES:
 1. BACKER ROD DIAMETER EQUALS SEALANT WIDTH x 120%
 2. SEALANT WIDTH TO DEPTH RATIO SHALL BE 2:1.

FLORIDA APPROVAL:
FL#29215.3

YIPING WANG
 LICENSED PROFESSIONAL ENGINEER
 FL #55983
 CA# 128877
 December 27th, 2023

MCY ENGINEERING, INC.
 GLAZING CONSULTANTS
 12781 MIRAMAR PKWY. STE. 301
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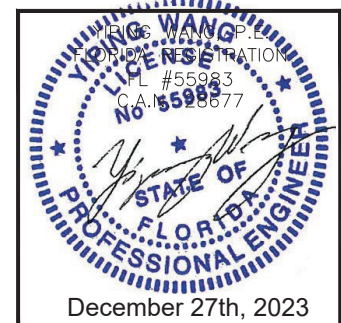
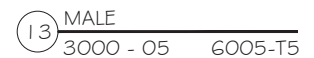
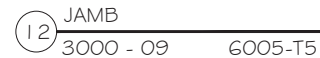
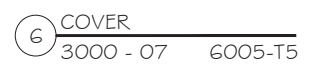
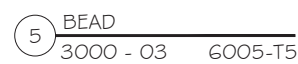
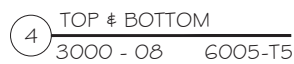
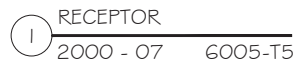
Rev. No.	Date	Drawn By	REVISION	Description
1.	11/20/2023	James		

Drawn Date: 11/20/2023 Scale: _____

DRAWING NO. **AD23-46**

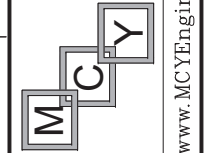
D2

Sheet No. **5 OF 8**

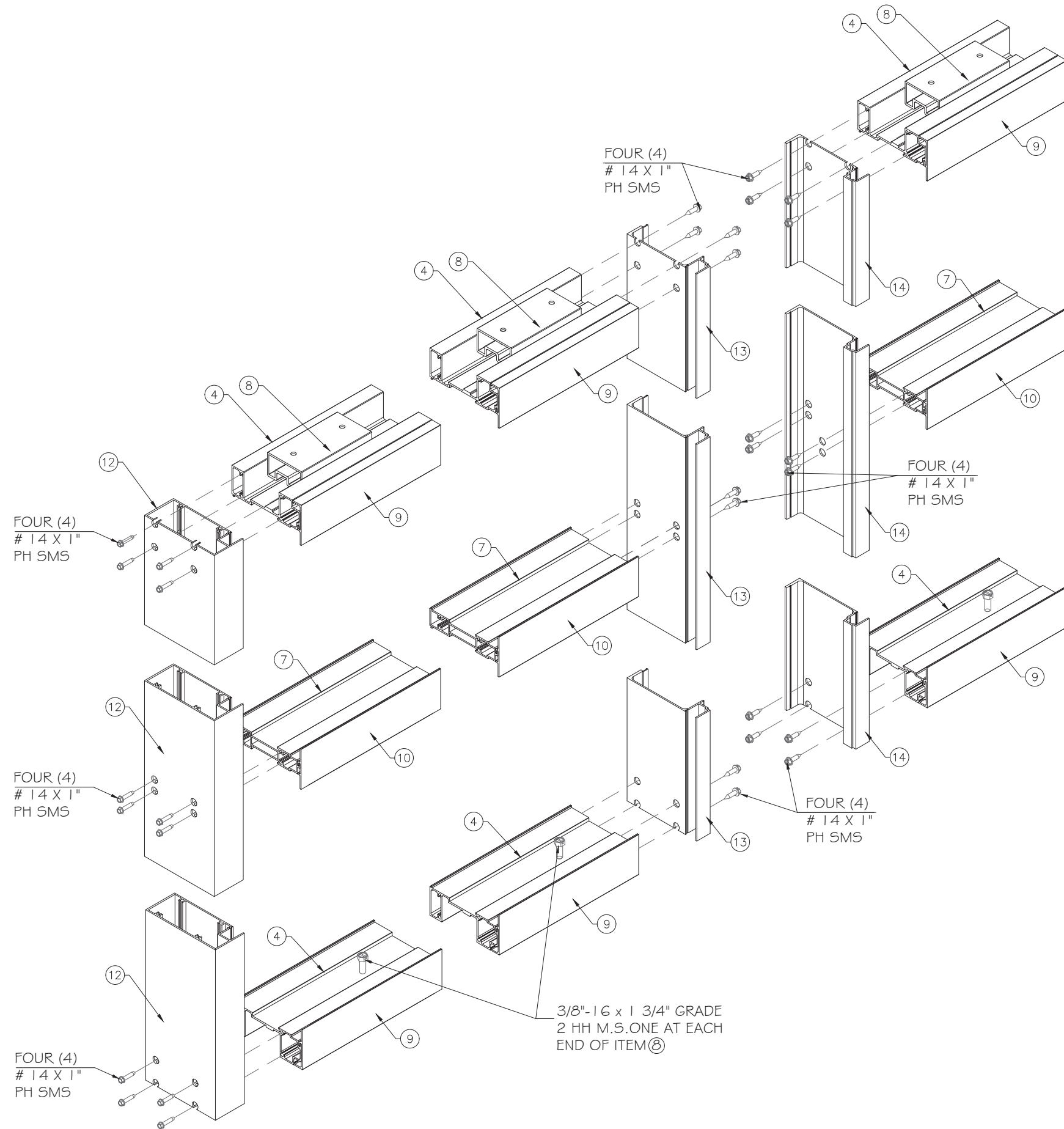
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SERIES 3100 WINDOW WALL SYSTEM SMI

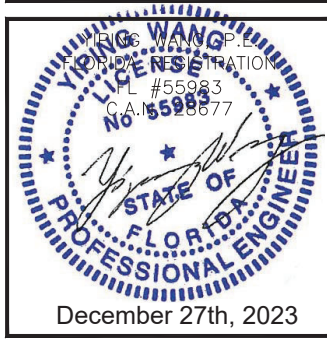
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