

C.T.WINDOWS LLC.
SERIES 300 PROJECTED - OUT
NON - IMPACT

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION FBC 2023 / 9TH EDITION FBC 2026 EXCLUDING HIGH VELOCITY HURRICANE ZONE (NON-HVHZ).
- WINDOWS ARE RATED FOR NON-IMPACT. IMPACT SHUTTERS REQUIRED.
- THESE WINDOWS ARE APPROVED FOR AIR AND WATER INFILTRATION.
- MATERIAL: ALL ALUMINUM EXTRUSION TO BE 6063- T5 ALLOY
- 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.
- WOOD BUCKS BY OTHERS MUST BE SOUTHERN PINE, G = 0.55MIN. AND MUST BE ANCHORED PROPERLY TO TRANSFER LOADS TO THE MAIN STRUCTURE.
- ULTIMATE DESIGN LOAD OBTAINED FROM ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO DESIGN LOAD IN THIS DOCUMENT.
- A LOAD DURATION FACTOR IN ALLOWABLE STRESS IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING. COMPLIANCE WITH THESE CONDITIONS TO BE CHECKED PER FBC 1711.1.
- FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 35, OR EQUIVALENT CORROSION RESISTANCE).
- CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).

- 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 FBC 2023 / 9TH EDITION FBC 2026 SECTION AS APPLICABLE.
- METAL STRUCTURES BY OTHERS MUST SUPPORT LOADS IMPOSED BY WINDOW SYSTEM AND TRANSFER THEM TO THE BUILDING STRUCTURE.
- APPROVAL APPLIES TO SINGLE UNITS OR PROJECTED WINDOW OVER PROJECTED WINDOW UNITS.

FOR PROJECTED WINDOW OVER PROJECTED WINDOWS CAPACITY
1) CHECK WINDOWS CAPACITY USING CHART 1 ON SHEET 2.
2) FOR HORIZONTAL RAIL CAPACITY SEE CHART 2 ON SHEET 2.
3) LOWER DESIGN PRESSURE FROM WINDOW CAPACITY CHART AND HORIZONTAL CAPACITY CHART WILL APPLY TO ENTIRE SYSTEM.

ABBREVIATIONS AND SYMBOLS

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

SECTION NUMBER

C
7

SHEET NUMBER

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.

YIPING WANG
FLORIDA REGISTRATION
No. 55983
C.A.N. 8598377

STATE OF FLORIDA
PROFESSIONAL ENGINEER

Sep.29th, 2026

REVISIONS

NO.	DATE	DESCRIPTION
R4	11/17/23	UPDATE TO 2023 FBC
R5	09/29/26	UPDATE TO 2026 FBC

MCY ENGINEERING, INC.

GLAZING CONSULTANTS

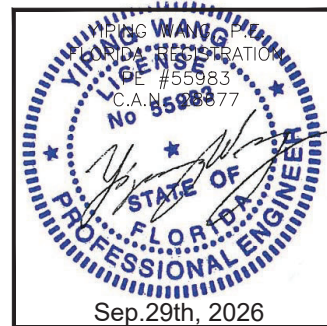
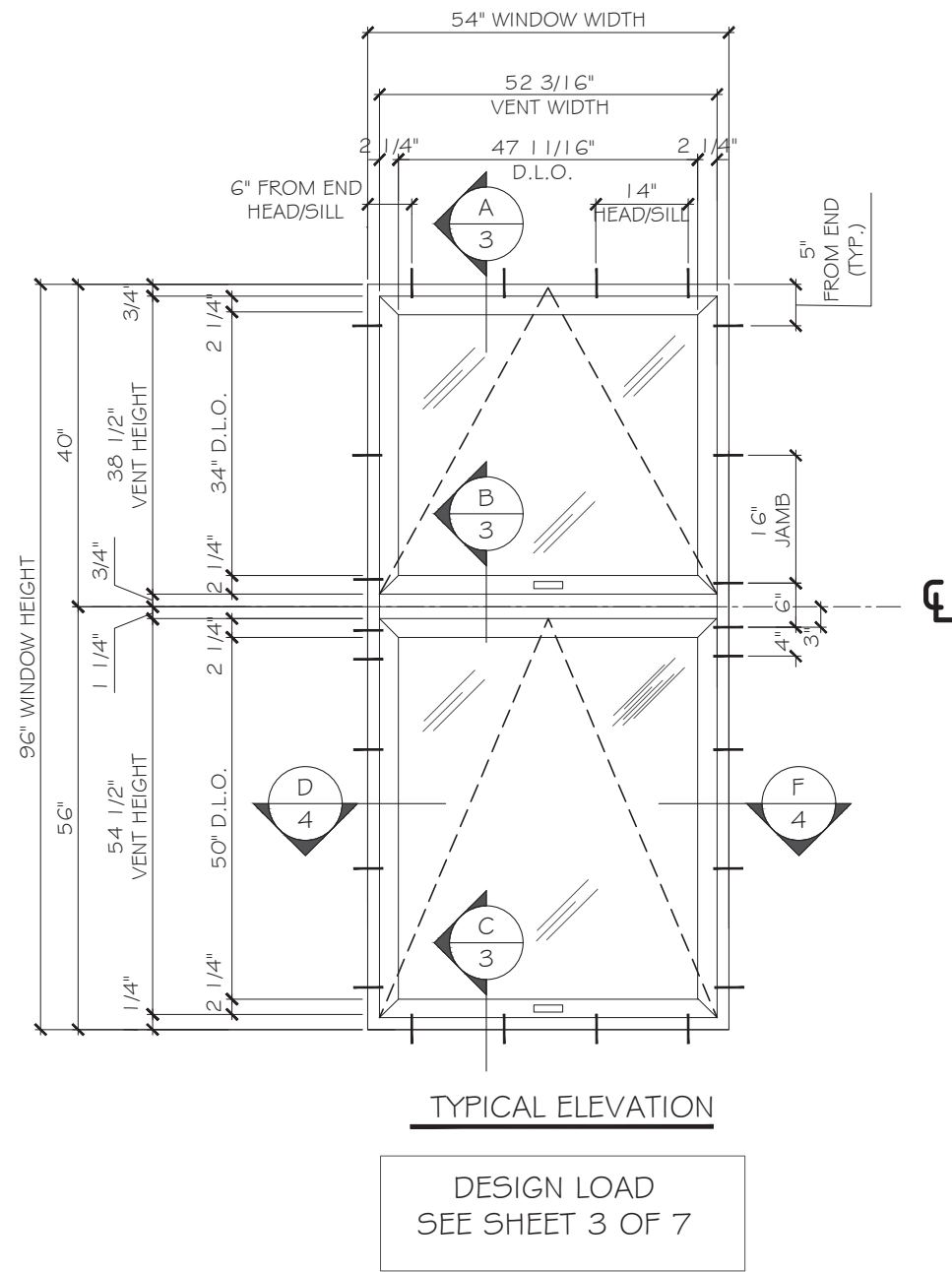
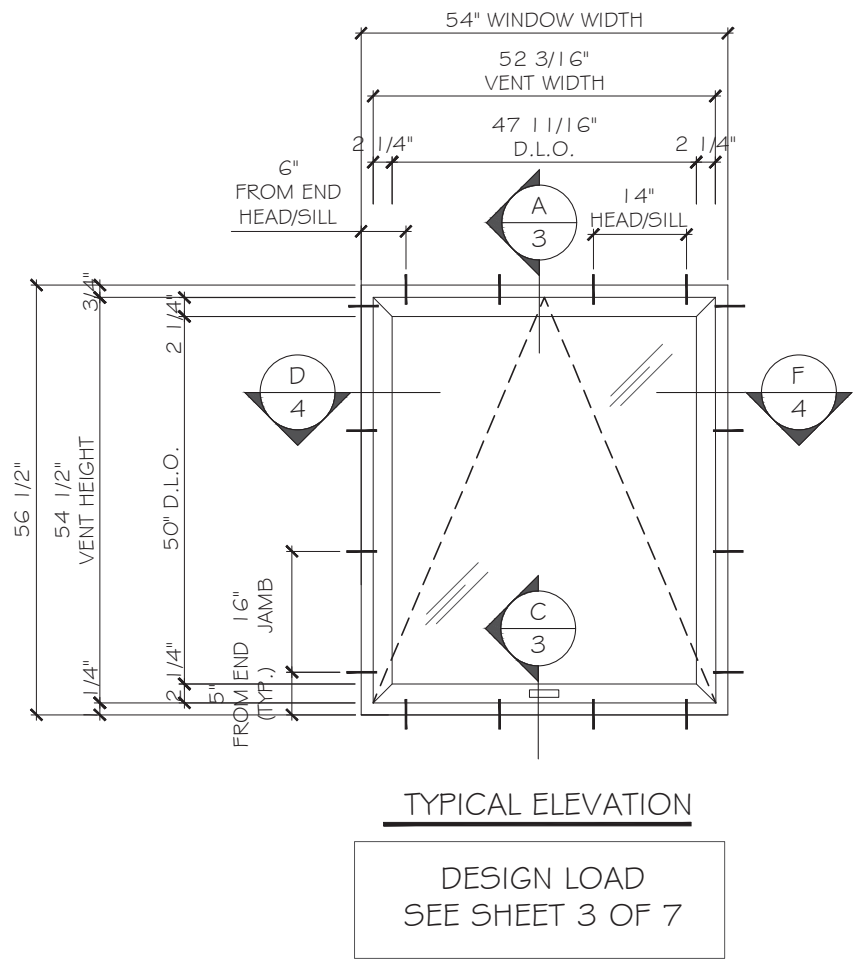
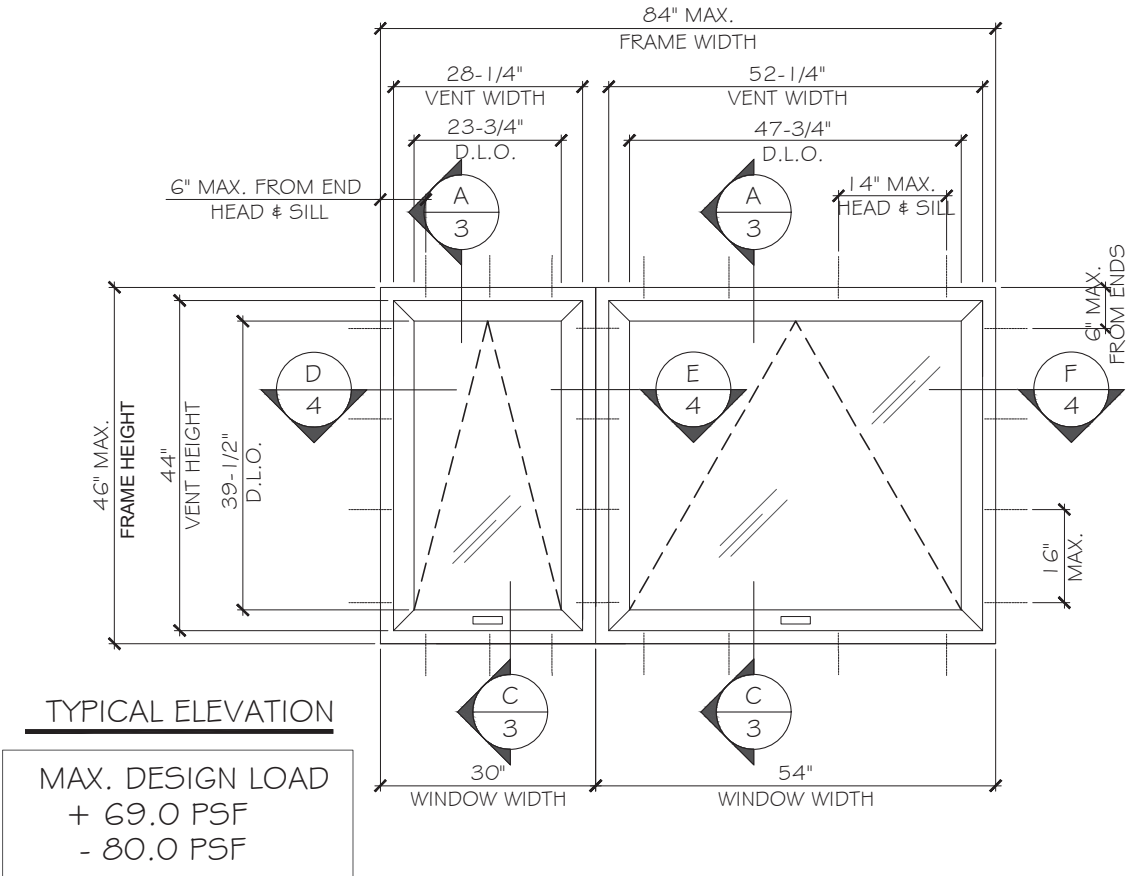
12781 MIRAMAR PARKWAY,
SUITE 301
MIRAMAR, FL. 33027 P: 305.588.5224
www.MCYEngineering.com mcy@engineering.com

SUPERIOR SERIES 300 ALUM. PROJECTED-OUT WINDOW – N.I.

C. T. WINDOWS, LLC.
9195 BOGGY CREEK RD #1
ORLANDO, FL. 32824
P: (407) 857 - 9237

FL 18571.1

DATE	09.29.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	MCY13-023
DRAWING NO.	AD13-06
SHEET	1 OF 7



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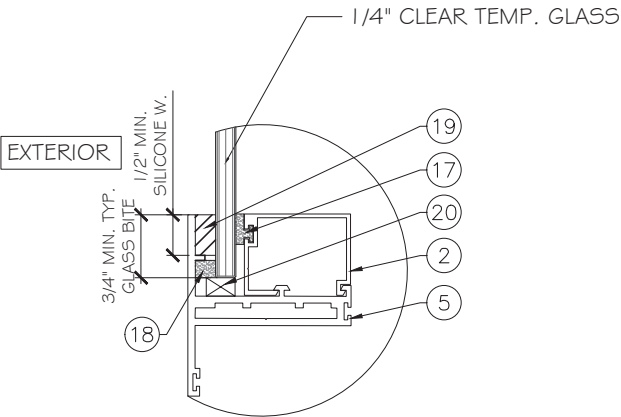
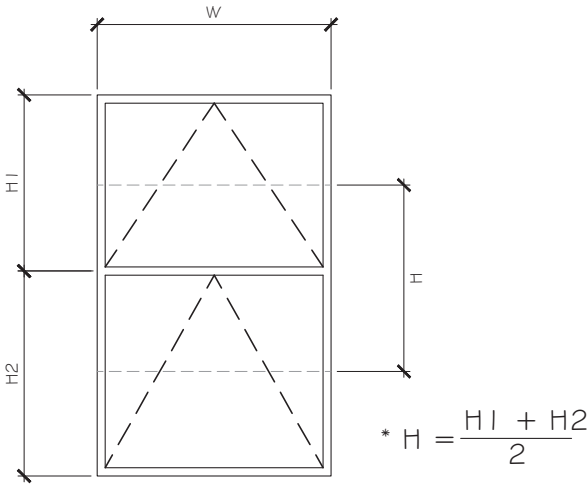
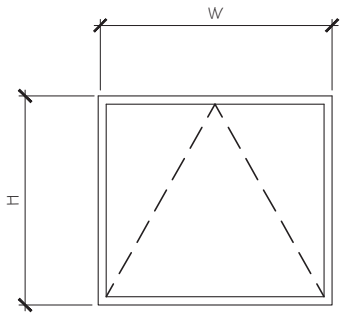
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SHEET 2 OF 7	

CHART 1

PROJECTED WINDOW			
MAX. ALLOWABLE DESIGN LOAD			
FRAME DIMENSION		EXT. (+)	INT. (-)
WIDTH (W) in.	HEIGHT (H) in.	PSF	PSF
36"	36"	80.0	159.0
	42"	80.0	136.3
	48"	80.0	112.0
	54"	80.0	84.0
	60"	59.0	59.0
	66"	43.1	43.1
	72"	32.5	32.5
42"	36"	80.0	136.3
	42"	80.0	116.8
	48"	80.0	102.2
	54"	75.0	77.2
	60"	53.6	53.6
	66"	38.7	38.7
48"	36"	80.0	112.0
	42"	80.0	102.2
	48"	80.0	89.4
	54"	72.2	73.3
54"	36"	80.0	84.0
	42"	75.0	77.2
	48"	72.2	73.3
56"	24"	80	100.8
	30"	80	84.3
	36"	74.3	74.3
	42"	68.1	68.1
60"	48"	64.5	64.5
	36"	59.0	59.0
	42"	53.6	53.6
66"	48"	50.2	50.2
	36"	43.1	43.1
72"	42"	38.7	38.7
	36"	32.5	32.5

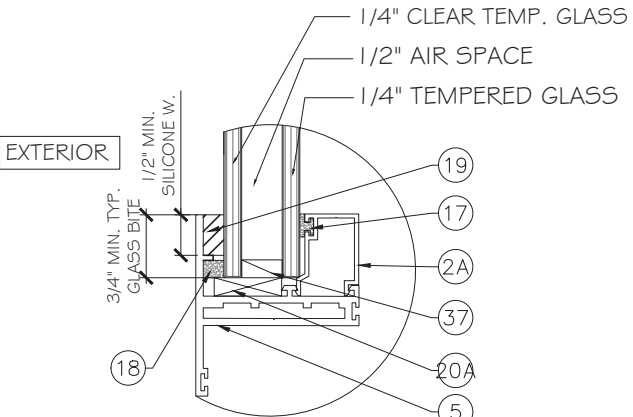
NOTE:
GLASS COMPLIES WITH ASTM E1300-16
OR 24 (3 SEC. GUSTS).



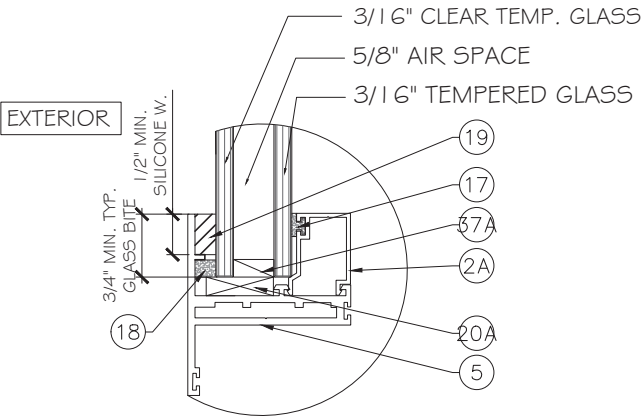
TYPICAL GLAZING DETAIL

HARDWARE:

- (2) SURFACE MOUNT ALUMINUM HANDLE. WITH (2) #10 - 24 X 1/2" PH MS
- (4) SURFACE MOUNT METALLIC FOUR BAR HINGES WITH (3) #10 X 1/2" PH SDS TO FRAME (4) #10 X 1/2" PH SMS TO VENT 45" FROM BOTTOM
- (2) SURFACE MOUNT METALLIC MULTI POINT LOCK SYSTEM WITH ACTIVATING LEVER TYPE HANDLE WITH (2) 8-36 X 1/2" PH MS TO FRAME SILL O.C.
- (2) SURFACE MOUNT METALLIC KEEPERS WITH (4) 8 X 1/2" FH SMS TO VENT BOTTOM RAILS
- (2) SURFACE MOUNT NYLON LEVELING BLOCK WITH (1) 10 X 1" FH SMS TO FRAME JAMBS 8 1/4" FROM BOTTOM



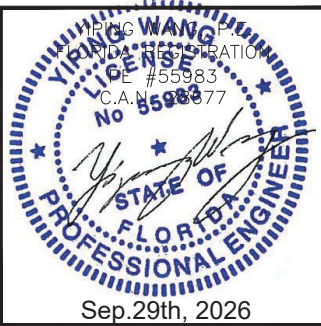
TYPICAL GLAZING DETAIL



TYPICAL GLAZING DETAIL

CHART 2

HORIZONTAL RAIL			
MAX. ALLOWABLE DESIGN LOAD			
FRAME DIMENSION		EXT. (+)	INT. (-)
WIDTH (W) in.	HEIGHT (H) in.	PSF	PSF
36"	144"	70.0	70.0
	132"	76.3	76.3
	120"	84.0	84.0
	108"	80	93
	96"	80.0	105.0
	84"	80.0	120.0
	72"	80.0	140.0
42"	132"	65.5	65.5
	120"	72.0	72.0
	108"	80.0	80.0
	96"	80.0	90
	84"	80.0	102.9
	72"	80.0	120.0
	60"	80.0	144.0
48"	120"	63.0	63.0
	108"	70.0	70.0
	96"	78.8	78.8
	84"	80.0	90.0
54"	72"	80.0	105.0
	108"	62.2	62.2
	96"	70.0	70.0
	84"	80.0	80.0
	72"	80.0	93.3
56"	60"	80.0	112.0
	102"	59.1	59.1
	96"	68.0	68.0
	84"	71.7	71.7
60"	72"	80.0	83.7
	60"	80.0	100.4
	96"	51.0	51.0
	84"	58.3	58.3
66"	72"	68.0	68.0
	84"	43.8	43.8
	72"	51.1	51.1
72"	60"	61.3	61.3
	72"	39.4	39.4
72"	60"	47.2	47.2



REVISIONS		DESCRIPTION
NO.	DATE	
R4	11/17/23	UPDATE TO 2023 FBC
R5	09/29/26	UPDATE TO 2026 FBC

MCY

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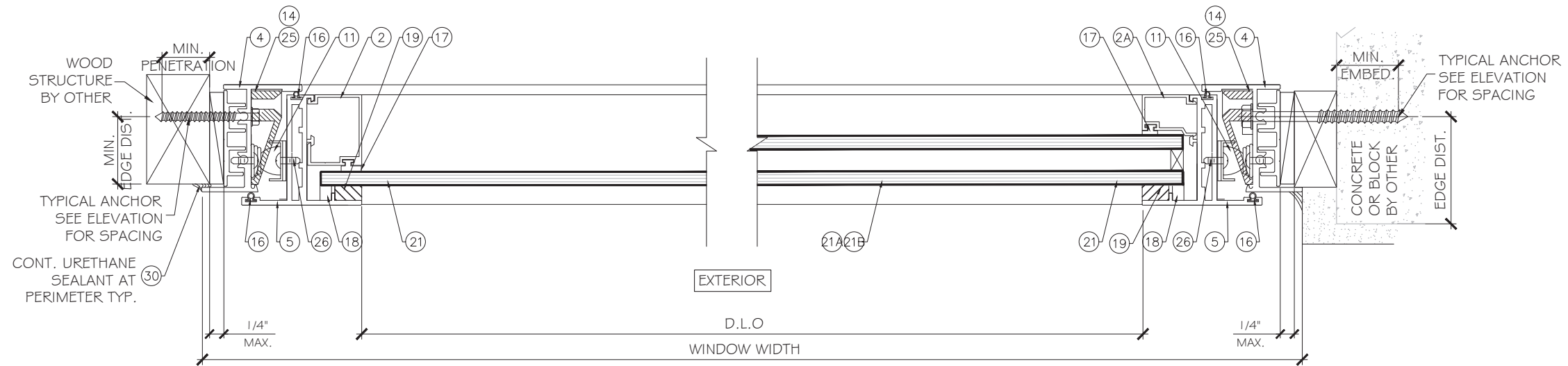
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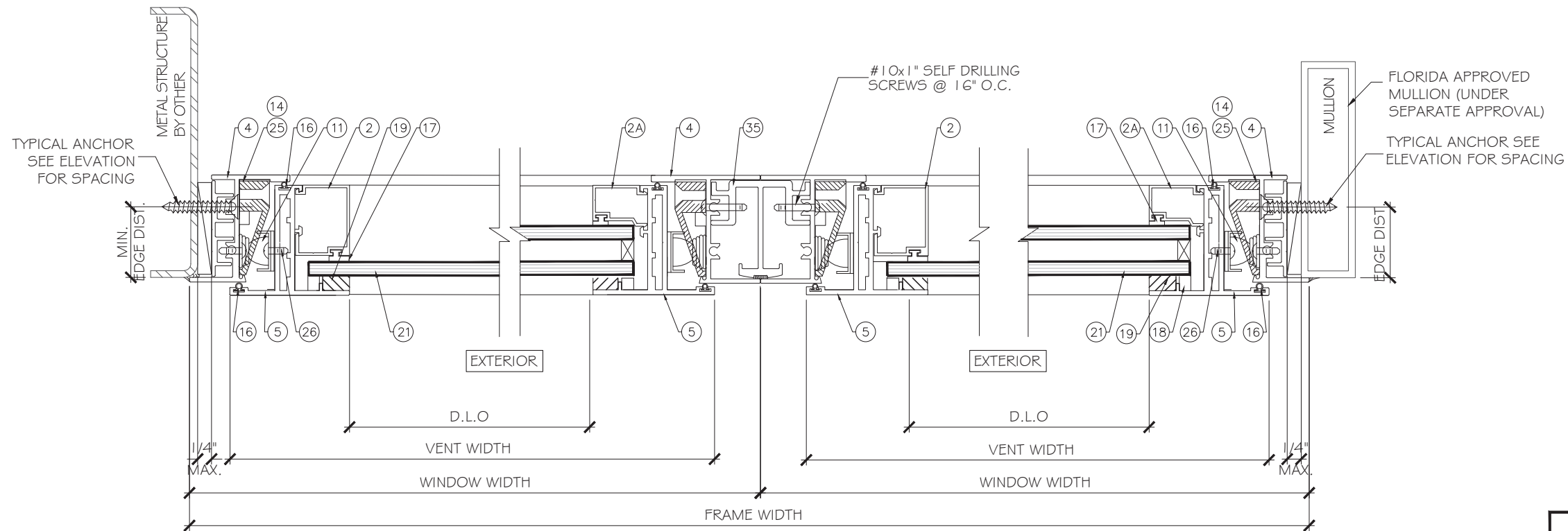
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FL 18571.1	
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SCALE	AS SHOWN
DRAWN	James
PROJECT	MCY13-023
DRAWING NO. AD13-06	
SHEET 3 OF 7	



SECTION D

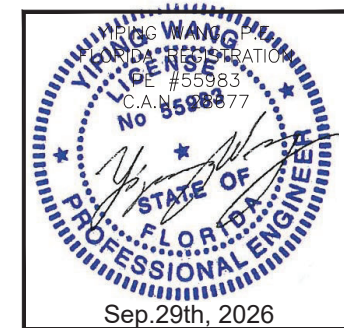
SECTION F



SECTION D

SECTION E

SECTION F



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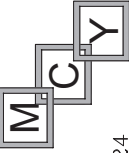
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SCALE AS SHOWN
DRAWN James
PROJECT MCY13-023
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SHEET 5 OF 7

BILL OF MATERIALS

MARK	PART #	QTY	DESCRIPTION	MATERIAL
①	9046	1 EA	FLANGE FRAME SILL	ALUM. ALLOY 6063-T5
②	9055	8 EA	GLAZING BEAD FOR 1/4" GLASS	ALUM. ALLOY 6063-T5
②A	9032	8 EA	GLAZING BEAD FOR 1" GLASS	ALUM. ALLOY 6063-T5
③	9012	1 EA	FLANGE FRAME HEAD	ALUM. ALLOY 6063-T5
④	9012	2 EA	FLANGE FRAME JAMBS RH/LH	ALUM. ALLOY 6063-T5
⑤	9030	8 EA	VENT SASH SILL/HEAD/JAMBS	ALUM. ALLOY 6063-T5
⑥	9008	4 EA	VENT SASH CORNER LOCK	ALUM. ALLOY 6063-T5
⑦	9009	1 EA	FRAME HEAD DRIP CAP	ALUM. ALLOY 6063-T5
⑧	9011	AS REQ'D	MEETING RAIL	ALUM. ALLOY 6063-T5
⑨	LB06-2300	5 EA	ROTO FRANK KEEPER	300 STAINLESS STL.
⑩	LB08-8050	1 EA	ROTO FRANK G5 LOCKBAR WITH 5 ADJ. ALUM. PINS @66"	300 STAINLESS STL.
⑪		2 PR	320-20" /324-24" HD 4-BAR MAGNUM HINGE	300 STAINLESS STL.
⑫	N/A	3 EA	3" LONG SNUBBER -1/2" X 1" X .125 TH	ALUM. ALLOY 6063-T5
⑬	9043	AS REQ'D	FLANGED FRAME ANCHOR HOLE CLIP - 2 1/4" LONG	ALUM. ALLOY 6063-T5
⑭	A-16-97	4 EA	RISER BLOCK (DELRIIN) (5/8") W/ #10 X 1"SMS	NYLON
⑮	LHO8-7510-12	2 EA	ROTO FRANK OPERATOR HANDLE (PRO HNDL 37 MM V)	-
⑯	2288	65 L/F	PROTOTYPE INC. VENT WEATHER STR. -BULB VINYL	VINYL
⑰	TR-427E	31 L/F	3/8" TREMCO WEDGE (GLAZING BEAD)	EDPM RUBBER - SHORE 'A' - 70 DURO
⑱	5206N	31 L/F	FOAM TAPE BLACK GLAZING TAPE CONTINUOUS (3/16"X1/4")	URETAHNE FOAM
⑲	DOW 995	AS REQ'D	GLAZING COMPOUND SILICONE (GRAY) (3/16" X 1/2")	SILICONE
⑳	TPR 566	AS REQ'D	CLR 3/8" X 1/4" SETTING BLOCK	EDPM RUBBER - SHORE 'A' - 80 DURO
20A	TPR 566	AS REQ'D	CLR 3/4" X 1/4" SETTING BLOCK	EDPM RUBBER - SHORE 'A' - 80 DURO
21	N/A	1 EA	1/4" CLEAR TEMPERED GLASS	GLASS
21A	N/A	1 EA	1/4" CLEAR TEMPERED GLASS + 1/2" AIR SPACE + 1/4" CLEAR TEMPERED GLASS	GLASS
21B	N/A	1 EA	3/16" CLEAR TEMPERED GLASS + 5/8" AIR SPACE + 3/16" CLEAR TEMPERED GLASS	GLASS
22	N/A	2 EA	1 X 7/16 X 0.050" THK. ALUMINUM CHANNEL	#10 X 1 PH SMS @ 13" O.C.
23	N/A	12 EA	#10 X 1 1/2" P.PH. S.M.S. -FRAME ASSEMBLY	18-8 STAINLESS STL.
24	N/A	24 EA	#8 X 1/2" F.H. PH.S.M.S.	18-8 STAINLESS STL.
25	N/A	4 EA	#10 X 1" F.H. PH.S.M.S. -RISER BLOCK FASTENER	18-8 STAINLESS STL.
26	N/A	12 EA	#10 X 1/2" P.PH. S.M.S. - 4 BAR HINGE FASTNER	18-8 STAINLESS STL.
27	LB05-1004-51	12 EA	ROTO FRANK GUIDE HOUSING	-
28	GT990	8 EA	LOCK HANDLE SCREW #8-32 X 1/2" TAPTITE	18-8 STAINLESS STL.
29	SM5504	CONT.	SCHNEE-MOOREHEAD ACRYL-R NARROW JOINT SEALANT	ACRYLIC
30	SM7100	CONT.	SCHNEE-MOOREHEAD URETHANE BACK BED SEALANT	URETHANE
31	G2-HNDLPLT-02	2 EA.	LOCK HANDLE FASTENER PLATE	PLASTIC
32	N/A	16 EA.	1/4" TH. X 1 3/16" LG. X 2" PLASTIC SHIM BLOCK	PLASTIC
33	N/A	32 EA.	#8 X 1/2" F.H. PH. S.M.S. S/S W/# 6 HD U/C	18-8 STAINLESS STL.
34	N/A	24 EA.	#8 X 3/4" F.H. PH. S.M.S. S/S - AT GUIDE HOUSING	18-8 STAINLESS STL.
35	9010	AS REQ'D	ZERO MULL	ALUM. ALLOY 6063-T5
36	9010	AS REQ'D	ZERO MULL	ALUM. ALLOY 6063-T5
37	N/A	AS REQ'D	1/2" ALUMINUM SPACER	ALUM. ALLOY 6063-T5
37A	N/A	AS REQ'D	5/8" ALUMINUM SPACER	ALUM. ALLOY 6063-T5

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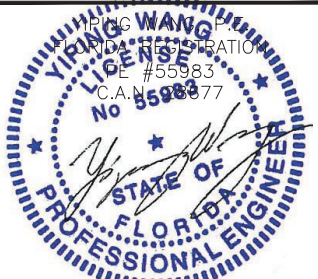
FL 18571.1

DATE	09.29.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	MCY13-023

DRAWING NO.

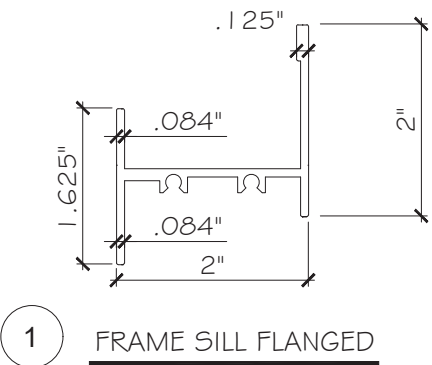
AD13–06

SHEET 6 OF 7

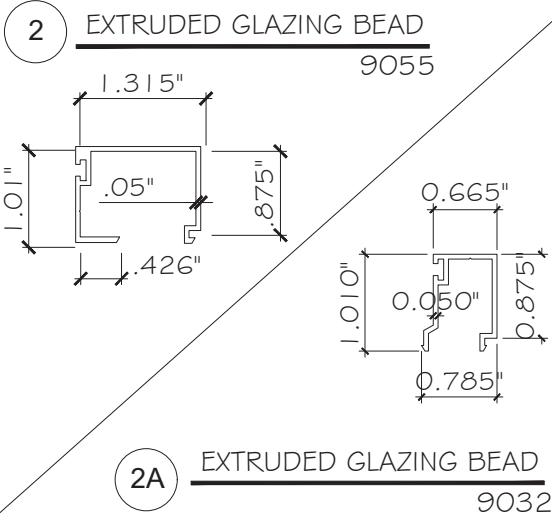


YIPING WANG
PROFESSIONAL ENGINEER
STATE OF FLORIDA
LICENSE #85983
C.A.N. #55983

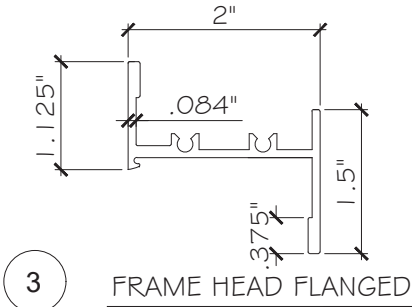
Sep.29th, 2026



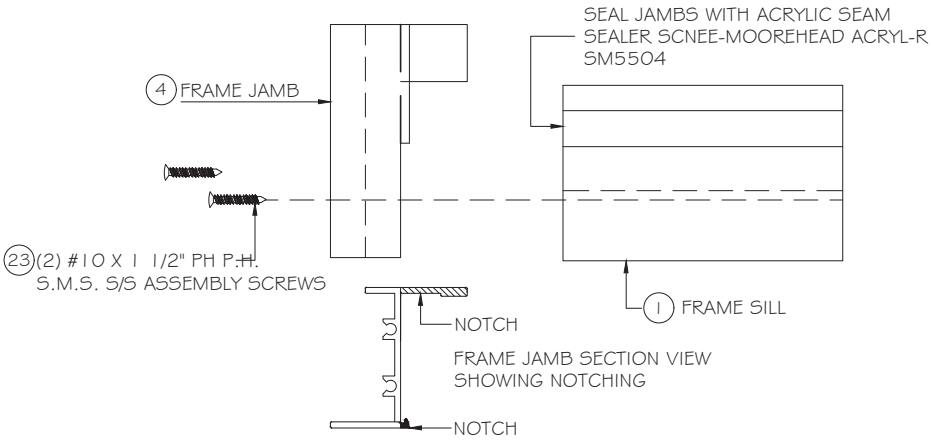
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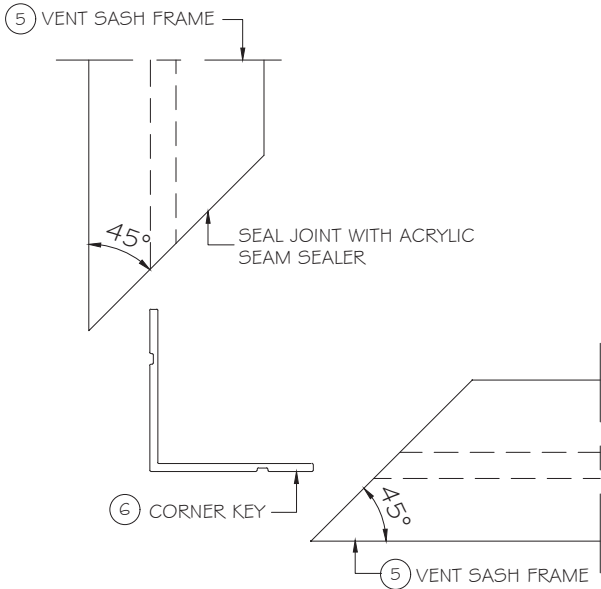


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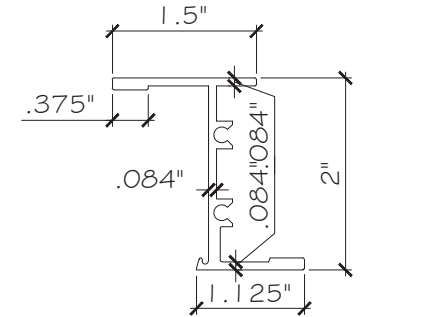
TYPICAL FRAME CORNER ASSEMBLY

ALL FRAME MEMBERS SHALL HAVE COPED JOINTS AND SHALL BE FASTENED TOGETHER WITH STAINLESS STEEL FASTENERS.

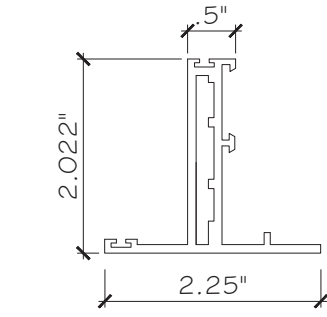


TYPICAL VENT CORNER ASSEMBLY

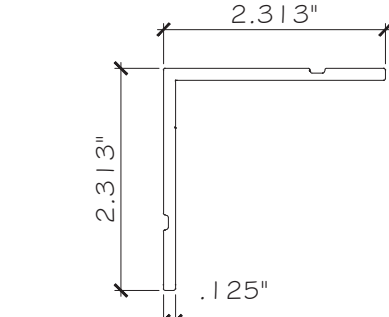
ALL VENTILATORS SHALL HAVE MITERED JOINTS, REINFORCED BY A SOLID CORNER KEY AND MECHANICALLY CRIMPED TO PREVENT CORNER ROTATION.



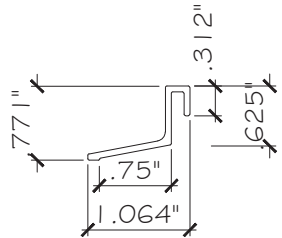
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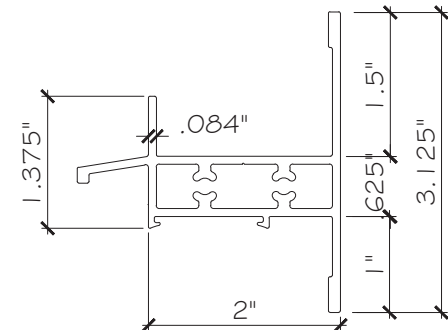
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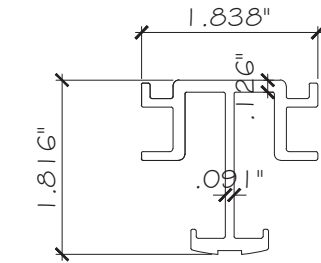
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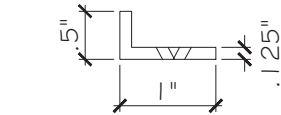
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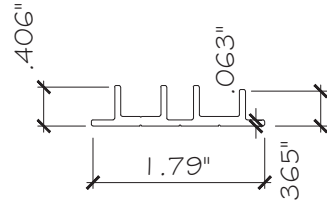
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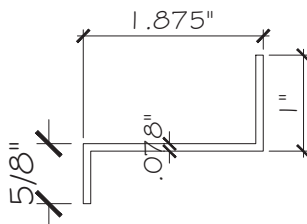
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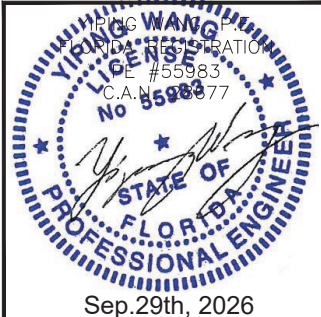
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9043



9044



REVISIONS	
NO.	DATE
R4	11/17/23
R5	09/29/26

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DRAWN	James
PROJECT	MCY13-023
DRAWING NO. AD13-06	
SHEET 7 OF 7	