

CT WINDOWS d.b.a. ARCHITECTURAL ALUMINUM TECHNIQUES
T850A CURTAIN WALL SYSTEMS
NON IMPACT (NON HVHZ)

CURTAIN WALL SYSTEM NOT RATED FOR IMPACT.

SERIES T850A CURTAIN WALL

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF 8TH EDITION FBC 2023/ 9TH EDITION FBC 2026 EXCLUDING HIGH VELOCITY HURRICANE ZONE (NON-HVHZ).

THIS SYSTEM IS 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. ALL ANCHORS AND CONNECTION BOLTS MUST HAVE SPRING WASHERS.

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.

ALUMINUM IN CONTACT WITH CONCRETE OR GROUT MATERIALS SHALL BE COATED WITH ALKALI RESISTANT COATING SUCH AS HEAVY BODIED BITUMINUOUS PAINT.

METAL STRUCTURES NOT BY CT WINDOWS d.b.a ARCHITECTURAL ALUMINUM TECHNIQUES, 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 ASCE7-22, 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.

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.

- 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).

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE7-22 STANDARD.

STEP 2: SEE TYPICAL ELEVATION ON SHEET E1 FOR MAXIMUM SIZES.

STEP 3: SEE CHART 1 ON SHEET G1 FOR APPROVED GLASS TYPES AND DESIGN LOAD CAPACITIES BASED ON APPLICABLE WIND DURATION. FOR SSG OPTION, SEE CHART 2 ON SHEET G1 FOR DESIGN LOAD CAPACITY DUE TO STRUCTURAL SILICONE.

STEP 4: CHECK MULLION AND JAMB CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET M1 THRU M3. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.

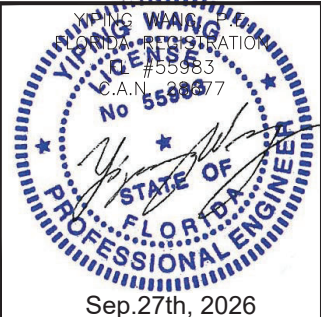
STEP 5: THE LOWEST VALUE RESULTING FROM STEPS 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

ABBREVIATIONS AND SYMBOLS

D.L.O. - DAYLITE OPENING	CL - CENTER LINE
E.J. - EXPANSION JOINT	H.S. - HEAT STRENGTHENED
F.H. - FRAME HEIGHT	SSG - STRUCTURAL SILICONE
F.W. - FRAME WIDTH	GLAZED
LG. - LONG	TEMP. - TEMPERED
STL. - STEEL	O.C. - ON CENTER
ALUM. - ALUMINUM	DL - DEAD LOAD
MULL. - MULLION	SECTION NUMBER
HORIZ. - HORIZONTAL	
W/ - WITH	
W/O - WITHOUT	
VERT. - VERTICAL	
O.S. - OUTSIDE	
S.S. - STAINLESS STEEL	

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# 22516.1



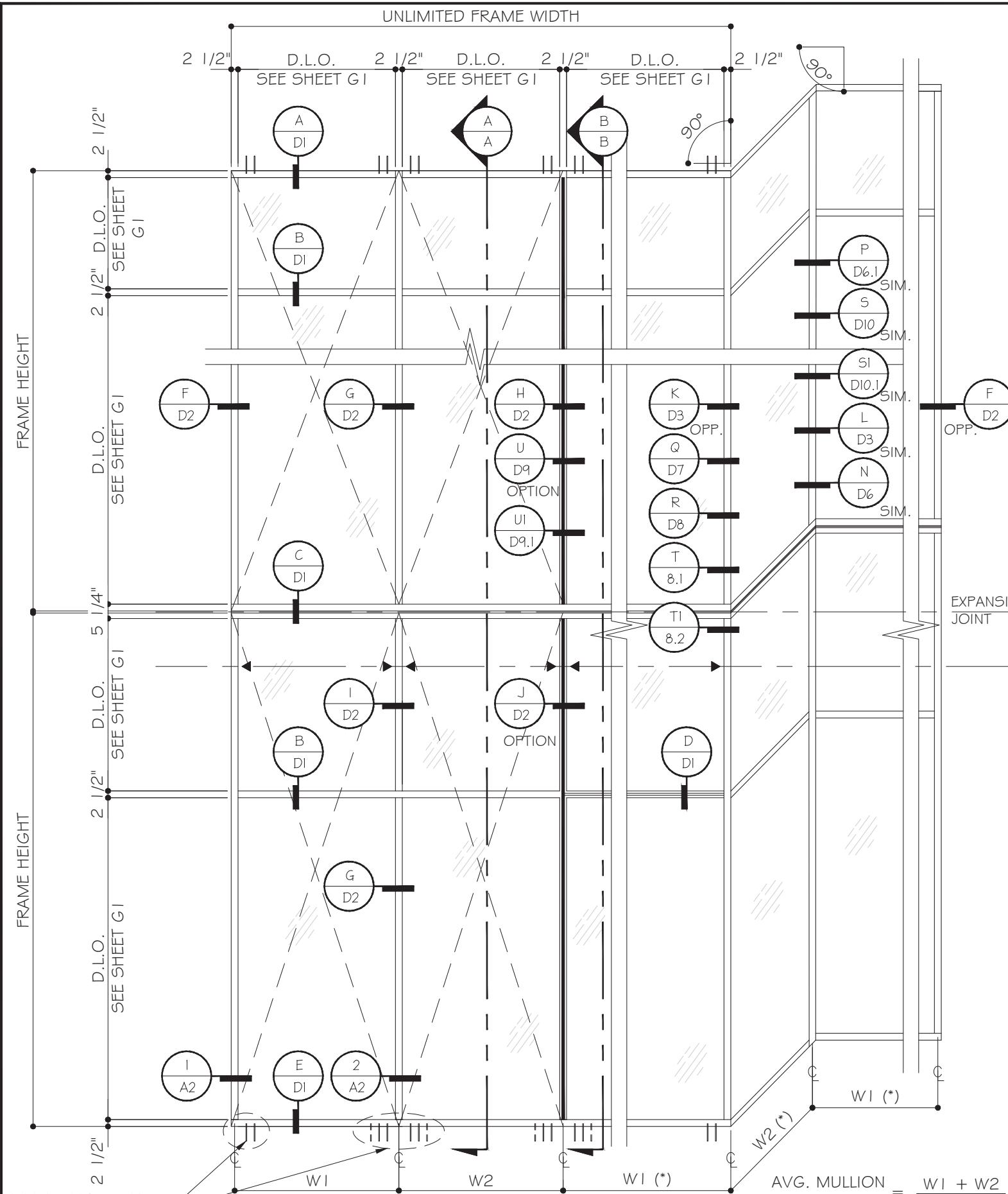
REVISIONS	
NO.	DATE
R2	06/25/25
R3	09/27/2026

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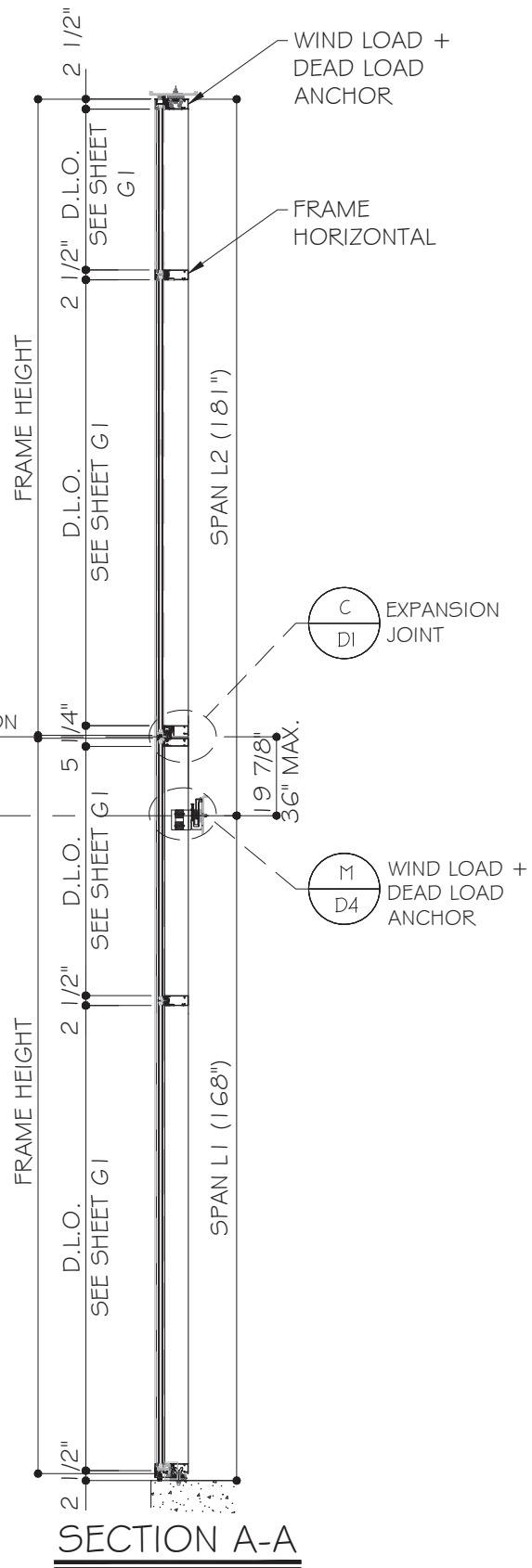
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CT WINDOWS d.b.a. ARCHITECTURAL ALUMINUM TECHNIQUES
9195 BOGGY CREEK RD. #1
ORLANDO, FL 32824
PH: (407)-857-9237

COVER	
DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027
DRAWING NO. AD17-12	
1 OF 31	

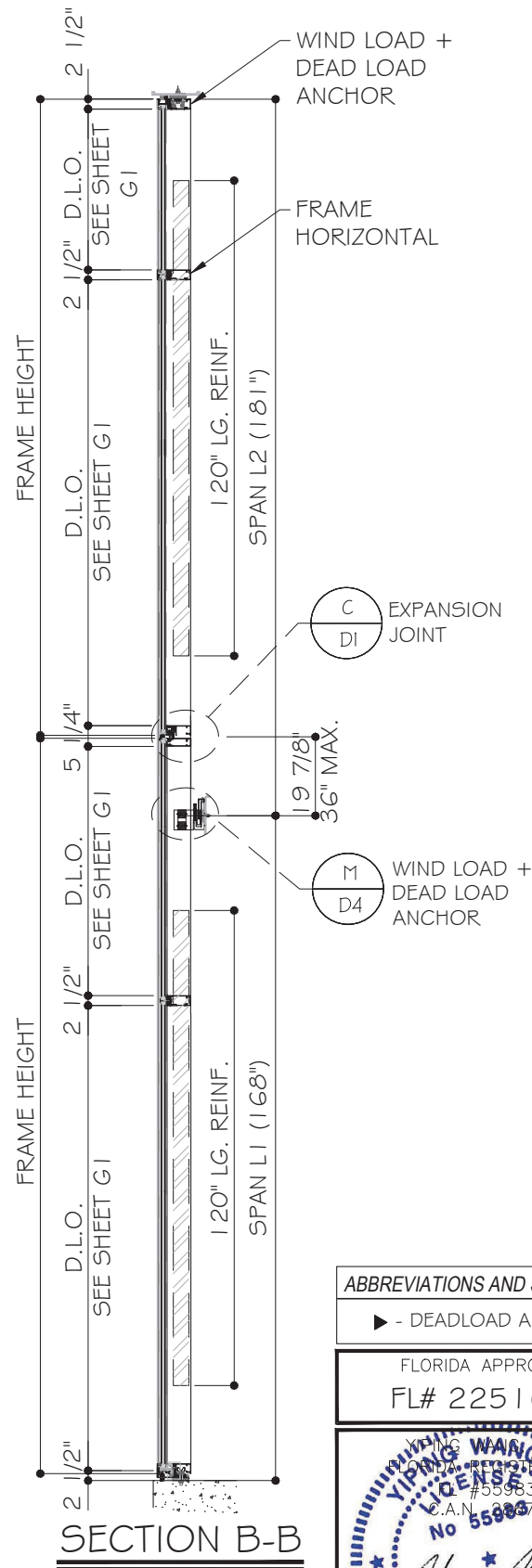


TYPICAL EXTERIOR ELEVATION

(*) FOR CORNER MULLION CHART ON SHEETS M1 TO M3, APPLY TO EQUAL SPACING (W1=W2) WITH SAME DESIGN LOAD ONLY. IF UNEQUAL SPACING IS USED, CHECK ON JOB TO JOB BASIS.



SECTION A-A

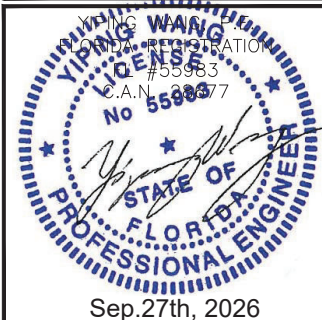


SECTION B-B

ABBREVIATIONS AND SYMBOLS

▶ - DEADLOAD ANCHOR

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FL# 22516.1



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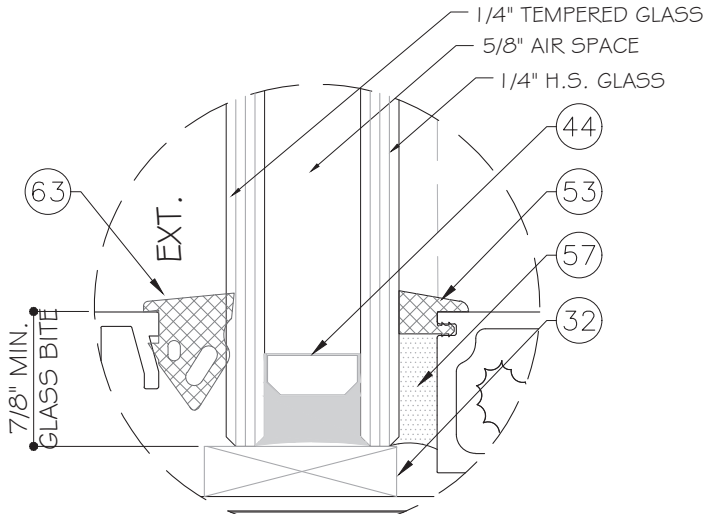
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E1	
DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027

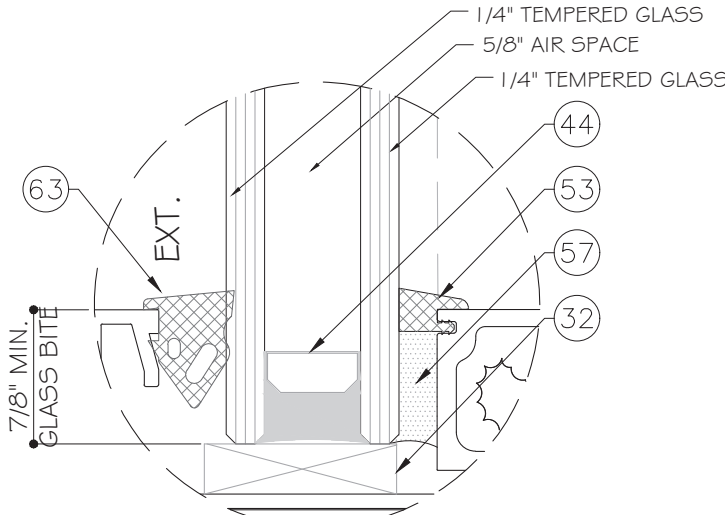
CHART 1

GLASS LOAD CAPACITY - PSF			
DAYLIGHT OPENING SIZE		GLASS TYPES	
D.L.O. H. (IN.)	D.L.O. W. (IN.)	G1	G2
97	33.5	120.0	120.0
	39.5	117.0	120.0
	45.5	111.0	120.0
	51.5	111.0	120.0
	57.5	110.0	120.0
	63.5	106.0	120.0
103	69.5	99.8	120.0
	33.5	120.0	120.0
	39.5	111.0	120.0
	45.5	102.0	120.0
	51.5	102.0	120.0
109	57.5	102.0	120.0
	63.5	98.9	120.0
	33.5	120.0	120.0
	39.5	105.0	120.0
	45.5	95.5	120.0
115	51.5	94.8	120.0
	57.5	94.9	120.0
	33.5	120.0	120.0
	39.5	101.0	120.0
	45.5	89.4	120.0
117.5	51.5	88.1	120.0
	57.5	89.1	120.0
	33.5	120.0	120.0
	39.5	98.6	120.0
	45.5	87.0	120.0
121	51.5	84.9	120.0
	57.5	85.9	120.0
	33.5	120.0	120.0
	39.5	97.2	120.0
127	45.5	84.5	120.0
	51.5	81.5	120.0
	33.5	120.0	120.0
	39.5	94.7	120.0
133	45.5	79.6	120.0
	51.5	76.3	120.0
	33.5	120.0	120.0
139	39.5	92.4	120.0
	45.5	76.9	120.0
	33.5	120.0	120.0
139	39.5	90.4	120.0
	45.5	74.4	120.0
	33.5	120.0	120.0

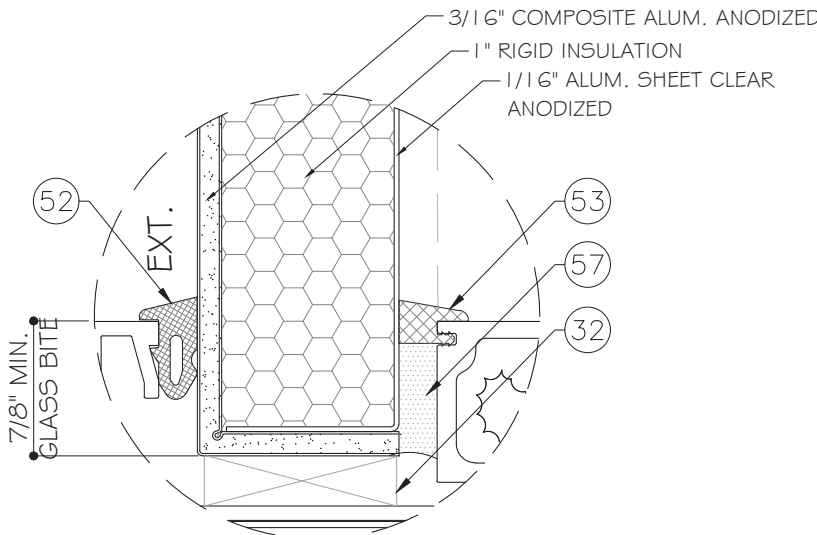
NOTE:
GLASS COMPLIES WITH ASTM E1300-16
OR 24 (3 SEC. GUSTS).



GLASS TYPE "G1"
1 - 1/8" NOMINAL OVERALL



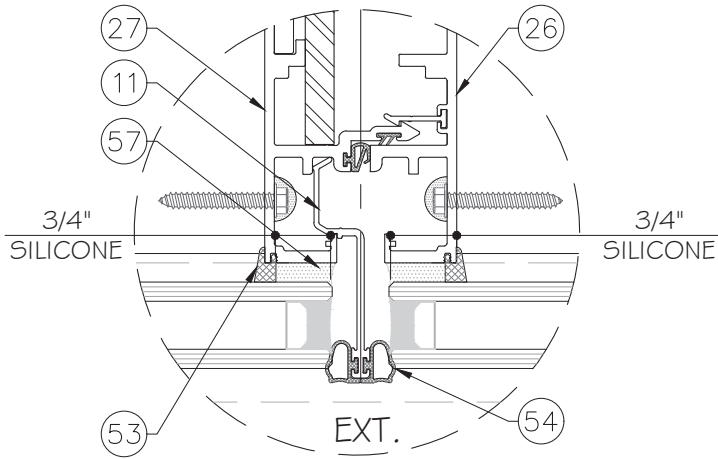
GLASS TYPE "G2"
1 - 1/8" NOMINAL OVERALL



METAL PANEL
1 - 5/16" NOMINAL OVERALL
MAX. D.L.O. = 57.5" WIDTH X 63" HEIGHT
PD= +/- 65.0 PSF

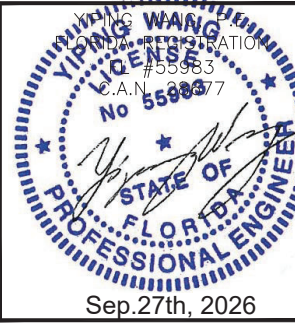
CHART 2

SSG CAPACITY OF SILICONE		
SILICONE WIDTH	MULLION SPACING (C-C)	CAPACITY
		PSF (+/-)
3/4"	36"	120.0
	42"	102.9
	48"	90.0
	54"	80.0
	60"	72.0
	66"	65.5
	72"	60.0



SSG DETAIL
AT MULLION

FLORIDA APPROVAL:
FL# 22516.1



REVISIONS	
NO.	DESCRIPTION
R2	06/25/25 FBC 2023
R3	09/27/2026 FBC 2026

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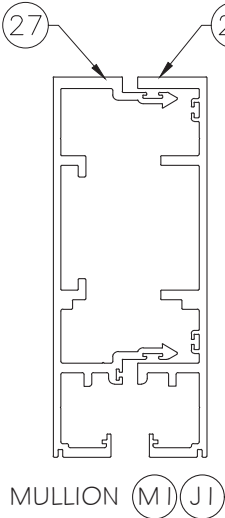
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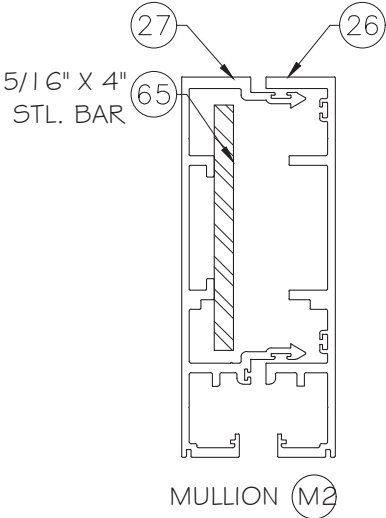
G1	
DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027
DRAWING NO. AD17-12	
3 OF 31	

UNEQUAL TWO SPAN MULLION DESIGN LOAD CAPACITY - PSF						
NOMINAL DIMS.			UNREINFORCED	REINFORCED		
FRAME HEIGHT (IN.)			MULLION WIDTH (W) (IN.)	JAMB 'J1' MULL 'M1'	JAMB 'J1' MULL 'M2'	JAMB 'J1' MULL 'M3' MULL 'CM'
L1	L2	TOTAL HEIGHT		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
132	145	277	36	77.3	77.3	77.3
			42	77.3	77.3	77.3
			48	77.3	77.3	77.3
			54	77.3	77.3	77.3
			60	72.0	72.0	72.0
			66	65.5	65.5	65.5
			72	60.0	60.0	60.0
144	157	301	36	70.5	70.5	70.5
			42	70.5	70.5	70.5
			48	70.5	70.5	70.5
			54	68.7	70.5	70.5
			60	61.9	69.0	69.0
			66	56.2	62.7	62.7
			69	53.8	60.0	60.0
156	169	325	36	64.8	64.8	64.8
			42	64.8	64.8	64.8
			48	64.8	64.8	64.8
			54	58.1	64.8	64.8
			60	52.3	61.4	61.4
168	181	349	64	49.0	57.6	60.0
			36	60.0	60.0	60.0
			42	60.0	60.0	60.0
			48	53.8	60.0	60.0
			54	47.8	58.4	60.0
			60	43.0	52.6	60.0

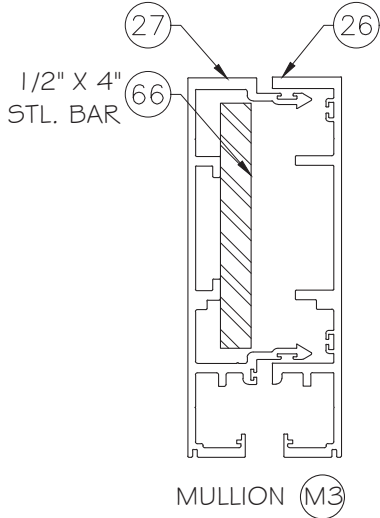
NOTE:
THIS TABLE IS APPLICABLE FOR TWIN SPANS.
FOR MULTIPLE SPAN CAPACITY, SEE CHARTS ON SHEET M2 & M3.



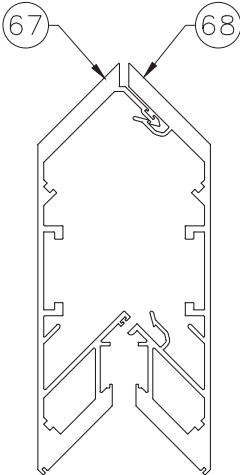
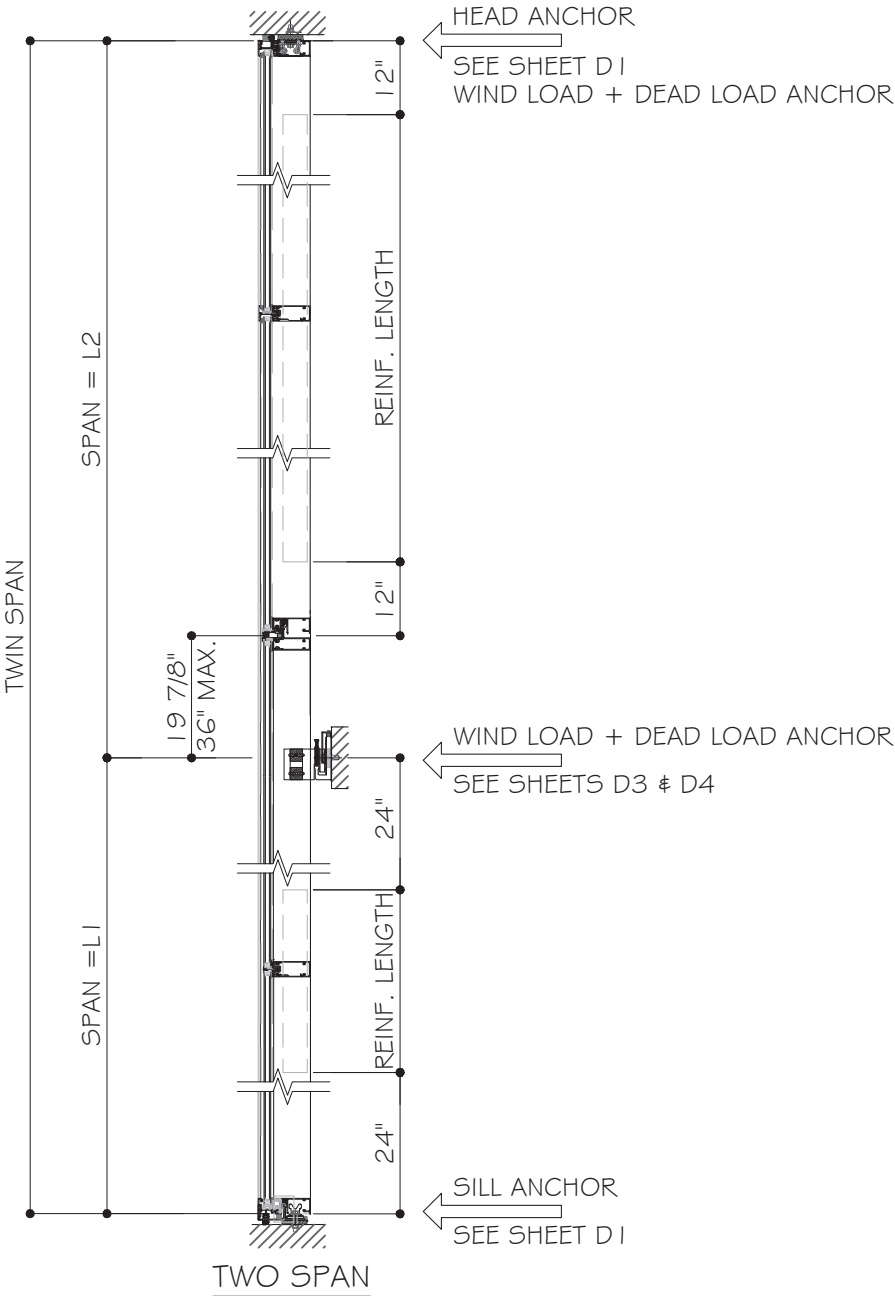
M1	Ix IN^4	Sx IN^3
CT-1123	7.7187	2.4679
CT-1124	6.5449	2.0757
TOTAL	14.2636	-



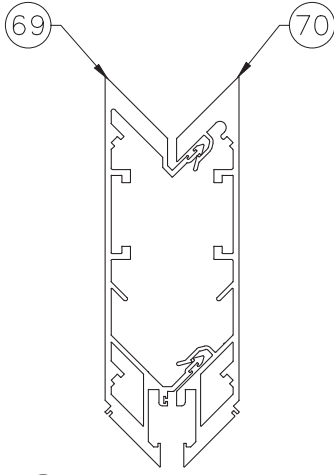
M1	Ix IN^4	Sx IN^3
CT-1123	7.7187	2.4679
CT-1124	6.5449	2.0757
R1	1.670	0.830
TOTAL	19.1749	-



M1	Ix IN^4	Sx IN^3
CT-1123	7.7187	2.4679
CT-1124	6.5449	2.0757
R2	2.670	1.330
TOTAL	22.006	-

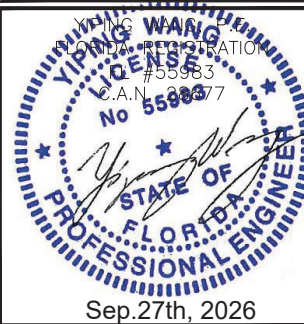


CM	Ix IN^4	Sx IN^3
TGF-1110	59.1864	10.2649
TGF-1111	56.8868	9.6822
TOTAL	116.0732	-



CM	Ix IN^4	Sx IN^3
TGF-1112	45.5748	8.7723
TGF-1113	46.1050	8.7024
TOTAL	91.5898	-

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REVISIONS	
NO.	DATE DESCRIPTION
R2	06/25/25 FBC 2023
R3	09/27/2026 FBC 2026

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M1	
DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027
DRAWING NO. AD17-12	
4 OF 31	

MULTIPLE SPAN MULLION - EQUAL SPANS DESIGN LOAD CAPACITY - PSF				
NOMINAL DIMS.		UNREINFORCED	REINFORCED	
FRAME HEIGHT (IN.)	MULLION WIDTH (W) (IN.)	JAMB 'J1' MULL 'M1'	JAMB 'J1' MULL 'M2'	JAMB 'J1' MULL 'M3' MULL 'CM'
L		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
132	36	86.2	86.2	86.2
	42	86.2	86.2	86.2
	48	86.2	86.2	86.2
	54	86.0	86.2	86.2
	60	77.4	81.5	81.5
	66	70.4	74.1	74.1
	72	64.5	67.9	67.9
144	36	77.9	77.9	77.9
	42	77.9	77.9	77.9
	48	77.9	77.9	77.9
	54	70.5	77.9	77.9
	60	67.5	75.3	75.3
	66	61.4	68.4	68.4
	69	58.7	65.5	65.5
156	36	71.0	71.0	71.0
	42	71.0	71.0	71.0
	48	64.9	71.0	71.0
	54	57.7	71.0	71.0
	60	51.9	69.0	69.0
168	64	48.7	64.7	65.2
	36	65.3	65.3	65.3
	42	58.3	65.3	65.3
	48	51.0	65.3	65.3
	54	45.3	60.3	65.3
	60	40.8	54.3	60.0

NOTE:
THIS TABLE IS APPLICABLE FOR MULTIPLE SPANS.
FOR TWIN SPAN CAPACITY, SEE CHARTS ON SHEET M1.

27

26

65

5/16" X 4" STL. BAR

MULLION (M1) (J1)

M1	Ix IN^4	Sx IN^3
CT-1123	7.7187	2.4679
CT-1124	6.5449	2.0757
TOTAL	14.2636	-

27

26

66

1/2" X 4" STL. BAR

MULLION (M2)

M1	Ix IN^4	Sx IN^3
CT-1123	7.7187	2.4679
CT-1124	6.5449	2.0757
R1	1.670	0.830
TOTAL	19.1749	-

27

26

66

1/2" X 4" STL. BAR

MULLION (M3)

M1	Ix IN^4	Sx IN^3
CT-1123	7.7187	2.4679
CT-1124	6.5449	2.0757
R2	2.670	1.330
TOTAL	22.006	-

67

68

MULLION (CM)

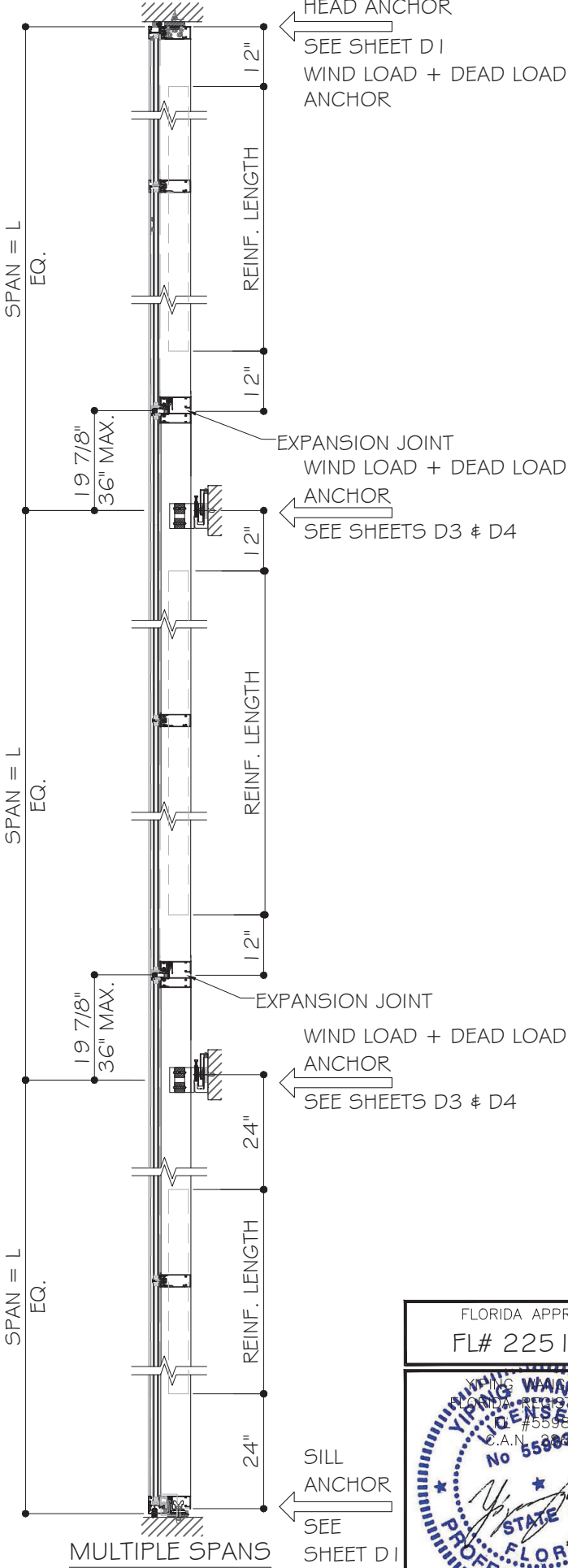
CM	Ix IN^4	Sx IN^3
TGF-1110	59.1864	10.2649
TGF-1111	56.8868	9.6822
TOTAL	116.0732	-

69

70

MULLION (CM)

CM	Ix IN^4	Sx IN^3
TGF-1112	45.5748	8.7723
TGF-1113	46.1050	8.7024
TOTAL	91.5898	-



FLORIDA APPROVAL:
FL# 22516.1

YIPING WANG

REGISTERED PROFESSIONAL ENGINEER

FLORIDA

SEP 27 2026

NO 55983

C.A.N. 3337

REVISEMENTS

NO.	DATE	DESCRIPTION
R2	06/25/25	FBC 2023
R3	09/27/2026	FBC 2026

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M2

DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027

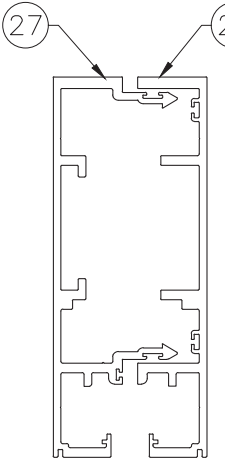
DRAWING NO.

AD17-12

5 OF 31

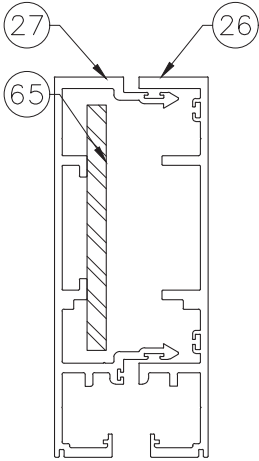
MULTIPLE SPAN MULLION - UNEQUAL SPANS DESIGN LOAD CAPACITY - PSF					
NOMINAL DIMS.		UNREINFORCED	REINFORCED		
FRAME HEIGHT (IN.)		MULLION WIDTH (W) (IN.)	JAMB 'J1' MULL 'M1'	JAMB 'J1' MULL 'M2'	JAMB 'J1' MULL 'M3' MULL 'CM'
L1	L		EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
145	132	36	86.2	86.2	86.2
		42	86.2	86.2	86.2
		48	79.3	86.2	86.2
		54	70.5	86.2	86.2
		60	63.4	81.5	81.5
		66	57.7	74.1	74.1
		72	52.9	67.9	67.9
157	144	36	77.9	77.9	77.9
		42	70.3	77.9	77.9
		48	61.5	77.9	77.9
		54	54.7	77.9	77.9
		60	49.2	74.1	74.1
		66	44.7	67.4	67.4
		69	42.8	64.5	64.5
169	156	36	64.7	71.0	71.0
		42	55.5	71.0	71.0
		48	48.6	71.0	71.0
		54	43.2	71.0	71.0
		60	38.8	69.0	69.0
181	168	64	36.4	64.7	64.7
		36	62.3	65.3	65.3
		42	53.4	65.3	65.3
		48	46.7	65.3	65.3
		54	41.5	63.2	65.3
		60	37.4	56.9	60.0

NOTE:
THIS TABLE IS APPLICABLE FOR MULTIPLE SPANS.
FOR TWIN SPAN CAPACITY, SEE CHARTS ON SHEET M1.



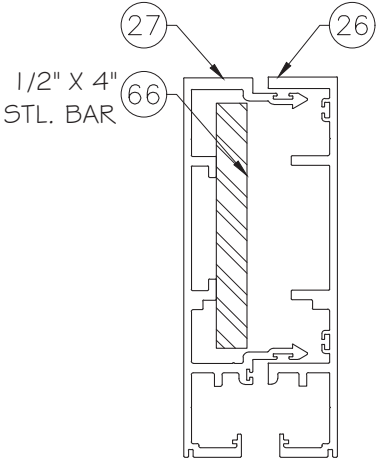
MULLION (M1) (J1)

M1	Ix IN^4	Sx IN^3
CT-1123	7.7187	2.4679
CT-1124	6.5449	2.0757
TOTAL	14.2636	-



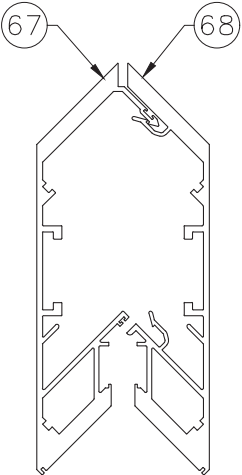
MULLION (M2)

M1	Ix IN^4	Sx IN^3
CT-1123	7.7187	2.4679
CT-1124	6.5449	2.0757
R1	1.670	0.830
TOTAL	19.1749	-



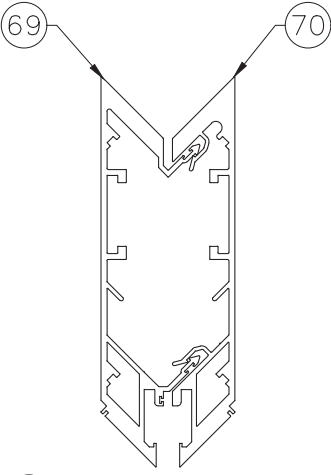
MULLION (M3)

M1	Ix IN^4	Sx IN^3
CT-1123	7.7187	2.4679
CT-1124	6.5449	2.0757
R2	2.670	1.330
TOTAL	22.006	-

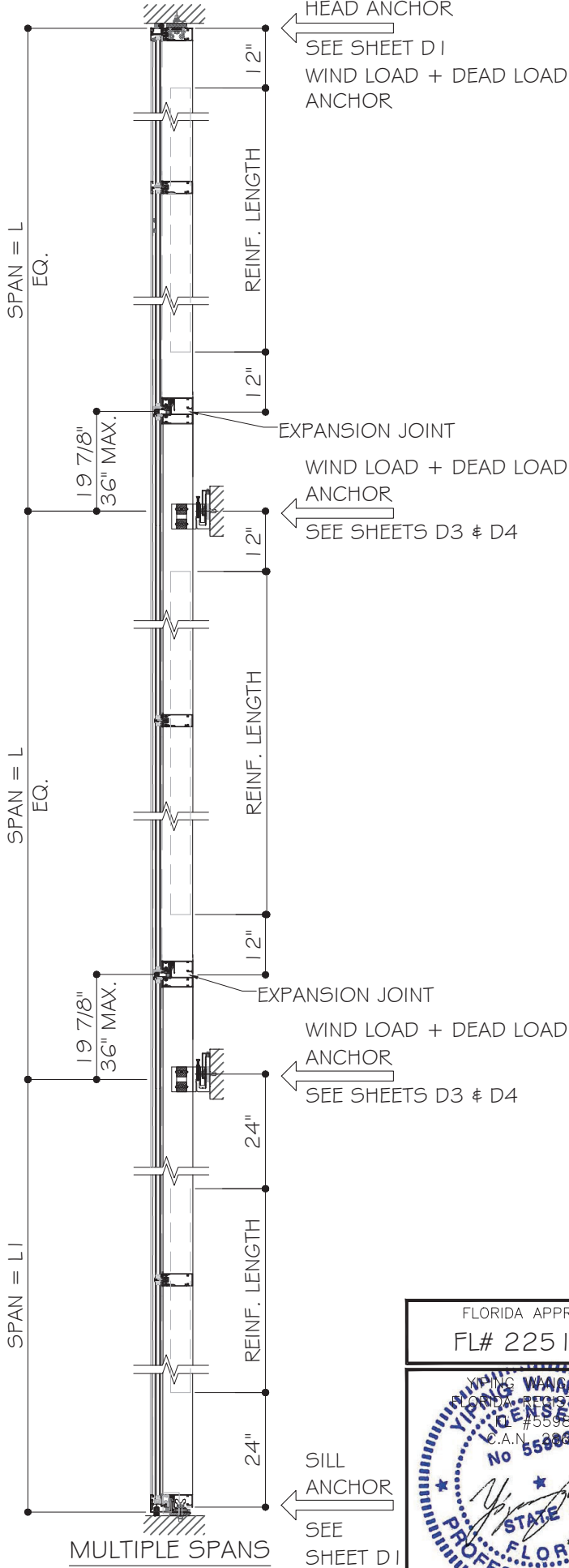


MULLION (CM)

CM	Ix IN^4	Sx IN^3
TGF-1110	59.1864	10.2649
TGF-1111	56.8868	9.6822
TOTAL	116.0732	-



CM	Ix IN^4	Sx IN^3
TGF-1112	45.5748	8.7723
TGF-1113	46.1050	8.7024
TOTAL	91.5898	-



FLORIDA APPROVAL:
FL# 22516.1

Sep.27th, 2026

REVISIONS	
NO.	DESCRIPTION
R2	06/25/25 FBC 2023
R3	09/27/2026 FBC 2026

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GLAZING CONSULTANTS
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MIRAMAR, FL 33027
www.MCYEngineering.com mcy@mcyengineering.com

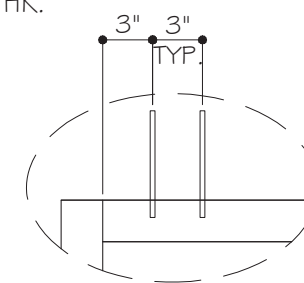
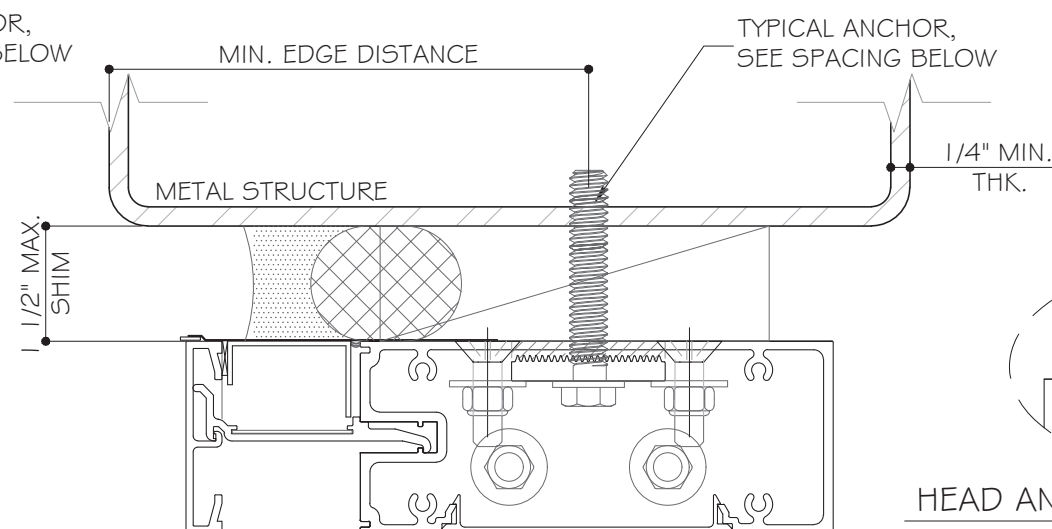
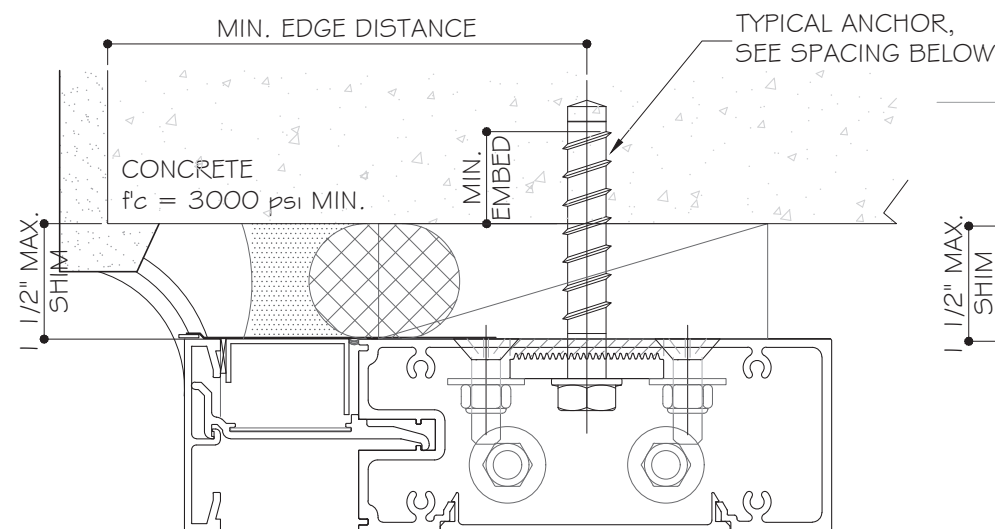
T850A CURTAIN WALL-NON IMPACT

CT WINDOWS d.b.a. ARCHITECTURAL ALUMINUM TECHNIQUES
9195 BOGGY CREEK RD. #1
ORLANDO, FL 32824
PH: (407)-857-9237

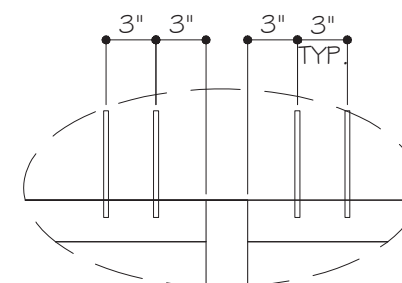
M3	
DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027

DRAWING NO.
AD17-12

6 OF 31



HEAD ANCHOR TYPE "A" OR "B"
AT JAMB



HEAD ANCHOR TYPE "A" OR "B"
AT MULLION

TYPICAL ANCHORS AT HEAD:

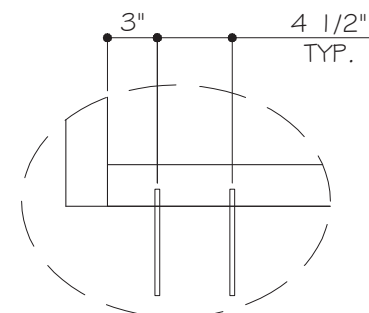
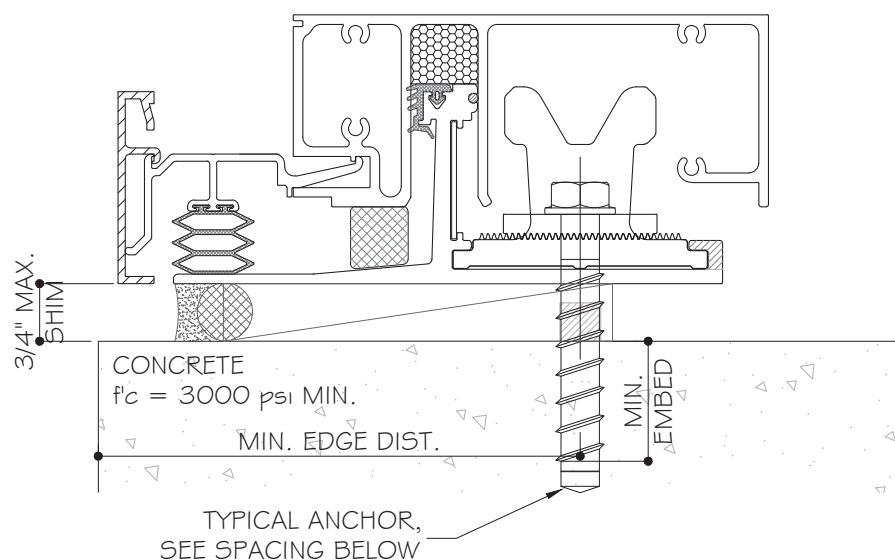
TYPE "A": 1/2" DIA. HILTI KWIK HUS-EZ ($F_u = 112.5$ KSI, $F_y = 88.5$ KSI)
2-1/4" MIN. EMBED DIRECTLY INTO $f_c' = 3$ KSI MIN. CONCRETE
3" MIN. EDGE DISTANCE
@ 3" MIN. O.C.

TYPE "B": 1/2" DIA. ELCO TAP-FLEX ($F_u = 120$ KSI, $F_y = 92$ KSI)
DIRECTLY INTO 1/4" MIN. THK. STEEL STRUCTURE (A36 MIN.)
1-1/2" MIN. EDGE DISTANCE @ 3" MIN. O.C.

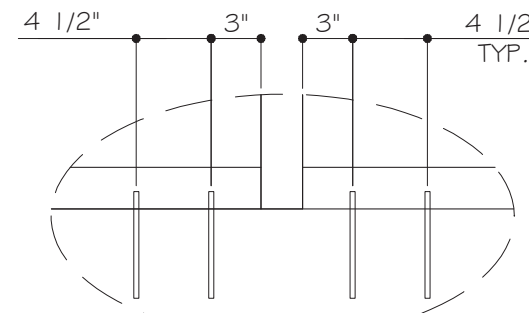
METAL STRUCTURES BY OTHERS TO BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.

NOTE:

1. ANCHORING OF CURTAIN WALL SYSTEM TO SUPPORTING STRUCTURE IS THE RESPONSIBILITY OF THE DELEGATED FL LICENSED ENGINEER FOR EACH PROJECT.
2. DIMENSIONS SHOWN AS TESTED AND MAY BE MODIFIED AS SPECIFIED BY THE ARCHITECT FOR FL LICENSED ENGINEER.



SILL ANCHOR TYPE "A"
AT JAMB



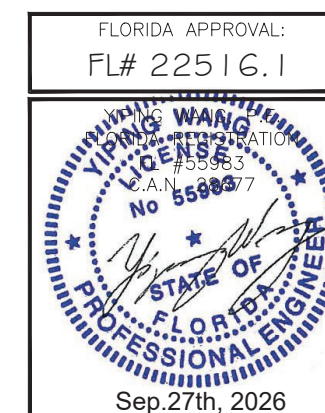
SILL ANCHOR TYPE "A"
AT MULLION

TYPICAL ANCHOR AT SILL:

TYPE "A": 1/2" DIA. HILTI KWIK HUS-EZ ($F_u = 112.5$ KSI, $F_y = 88.5$ KSI)
3" MIN. EMBED DIRECTLY INTO $f_c' = 3$ KSI MIN. CONCRETE
3-1/2" MIN. EDGE DISTANCE
@ 4-1/2" MIN. O.C.

-SEALANTS:

ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICON SEALANT.



REVISIONS	
NO.	DESCRIPTION
R2	06/25/25 FBC 2023
R3	09/27/2026 FBC 2026

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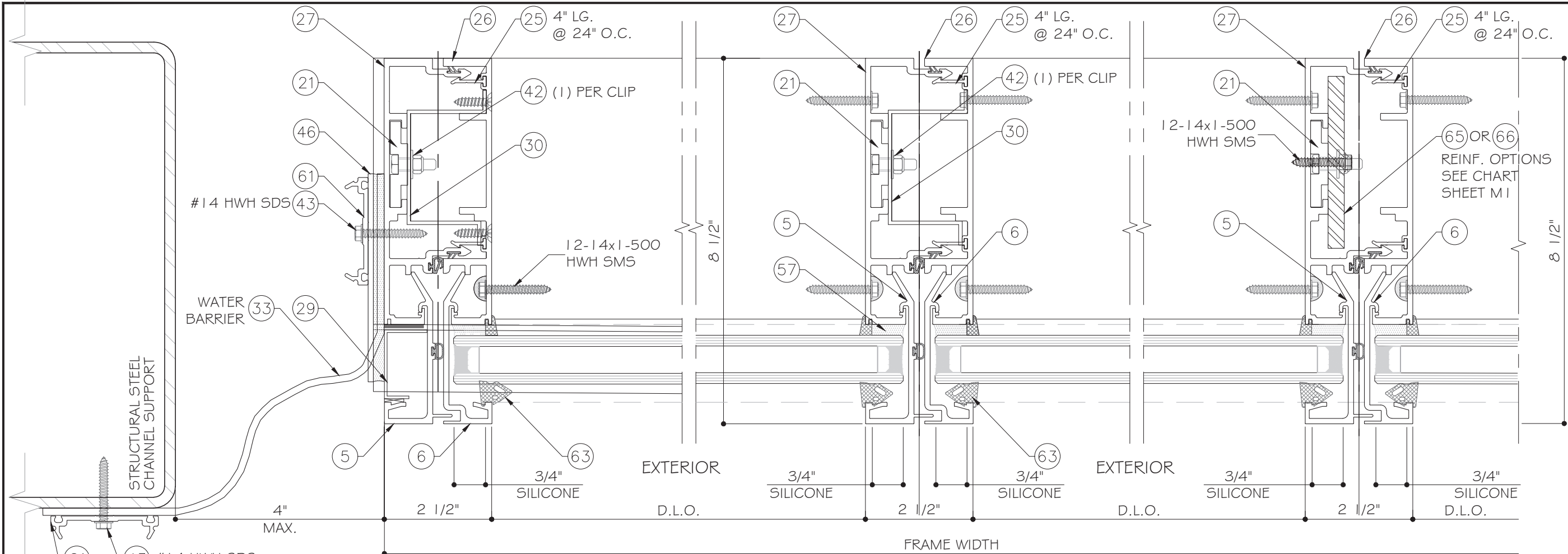
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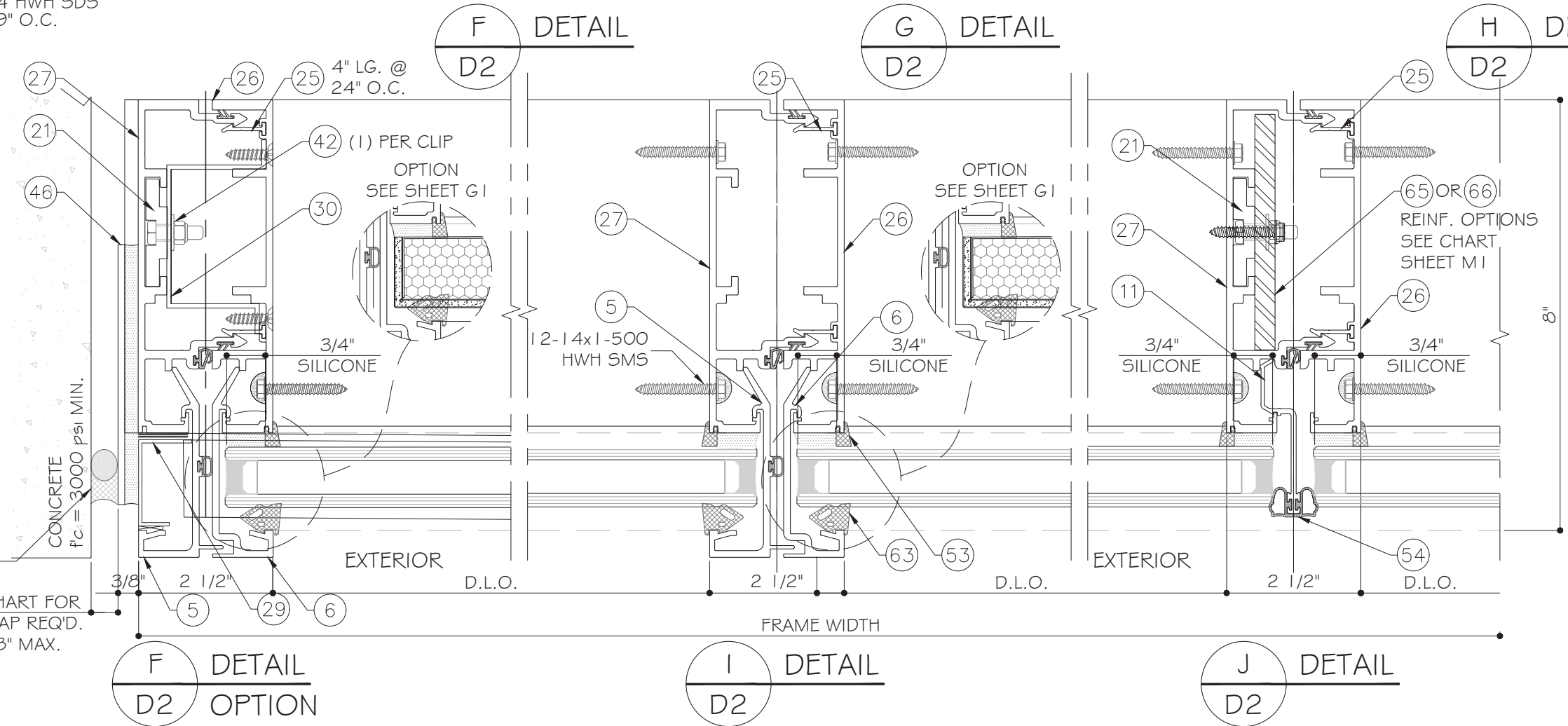
T850A CURTAIN WALL-NON IMPACT

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9195 BOGGY CREEK RD. #1
ORLANDO, FL 32824
PH: (407)-857-9237

A1	
DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027
DRAWING NO. AD17-12	
7 OF 31	



MAX. JAMB HEIGHT	GAP MIN.
108"	1/2"
120"	9/16"
132"	5/8"
144"	11/16"
154"	3/4"
168"	13/16"
181"	7/8"



SEE CHART ON SHEET G1 FOR SSG SILICONE CAPACITIES.

FLORIDA APPROVAL:
FL# 22516.1

YIPING WANG
REGISTERED PROFESSIONAL ENGINEER
No. 55983
C.A.N. 3337

Sep.27th, 2026

REVISIONS	
NO.	DESCRIPTION
R2	06/25/25 FBC 2023
R3	09/27/2026 FBC 2026

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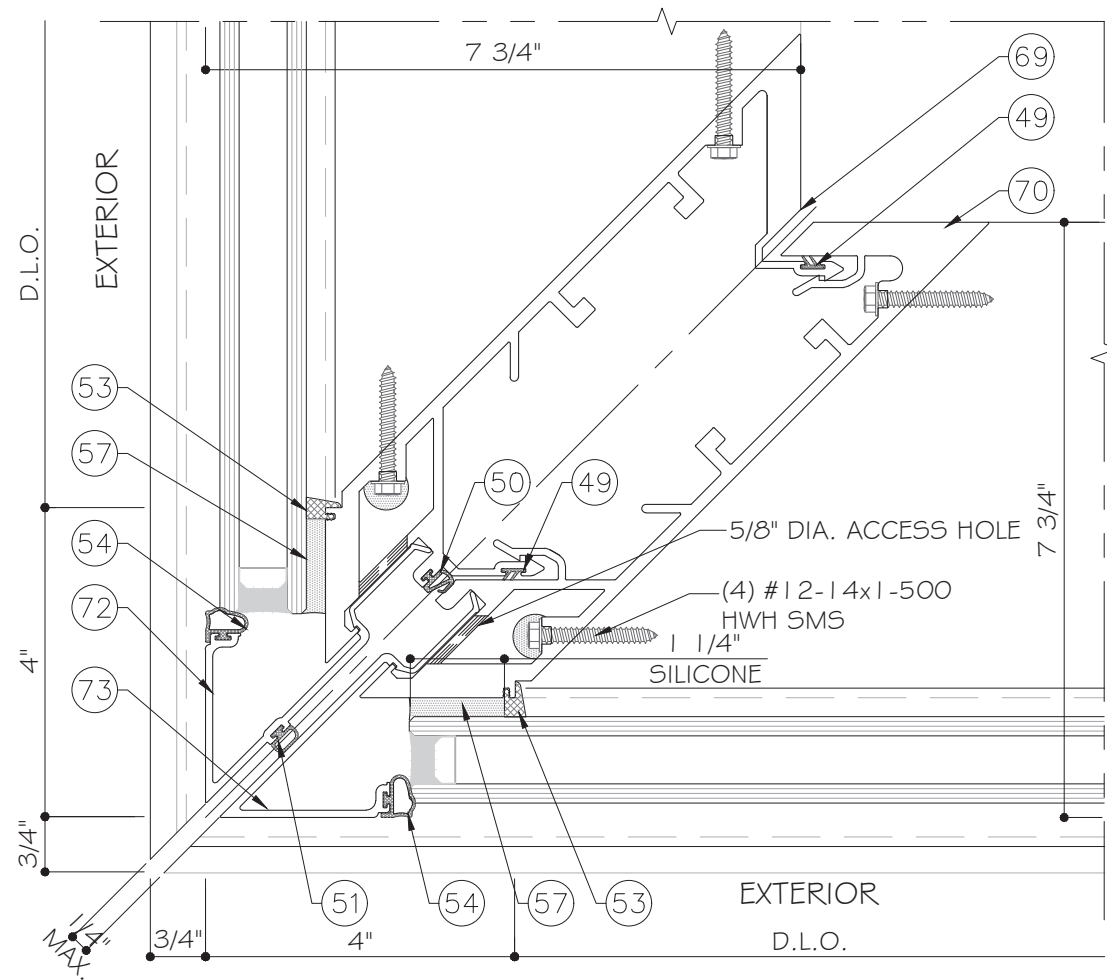
CT WINDOWS d.b.a. ARCHITECTURAL ALUMINUM TECHNIQUES
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PH: (407)-857-9237

D2

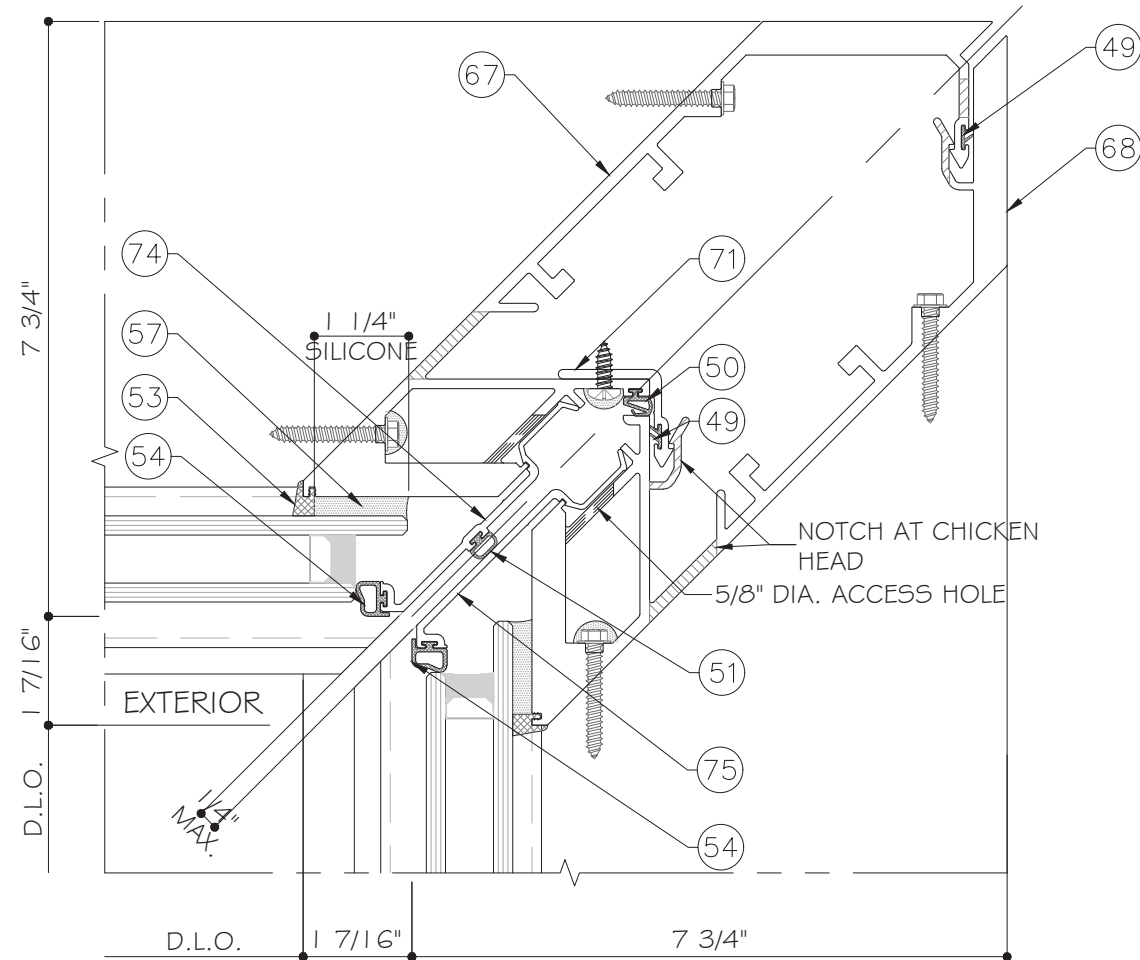
DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027

DRAWING NO.
AD17-12

10 OF 31



K
D3
DETAIL



L
D3
DETAIL

FLORIDA APPROVAL:
FL# 22516.1

YIPING WANG
Professional Engineer
No. 55983
C.A.N. 33977

Sep.27th, 2026

REVISONS	
NO.	DATE
R2	06/25/25
R3	09/27/2026

MCY ENGINEERING, INC.
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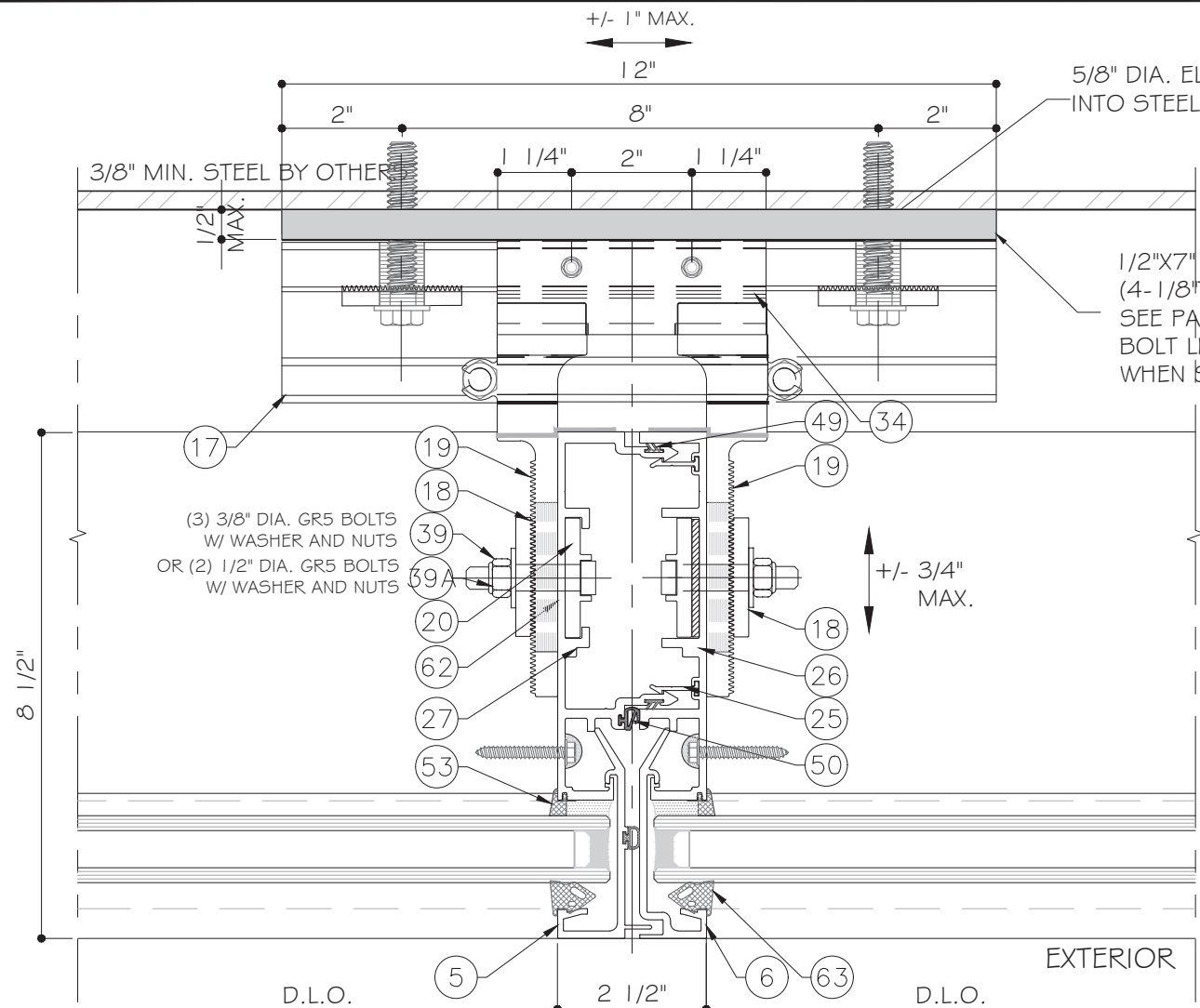
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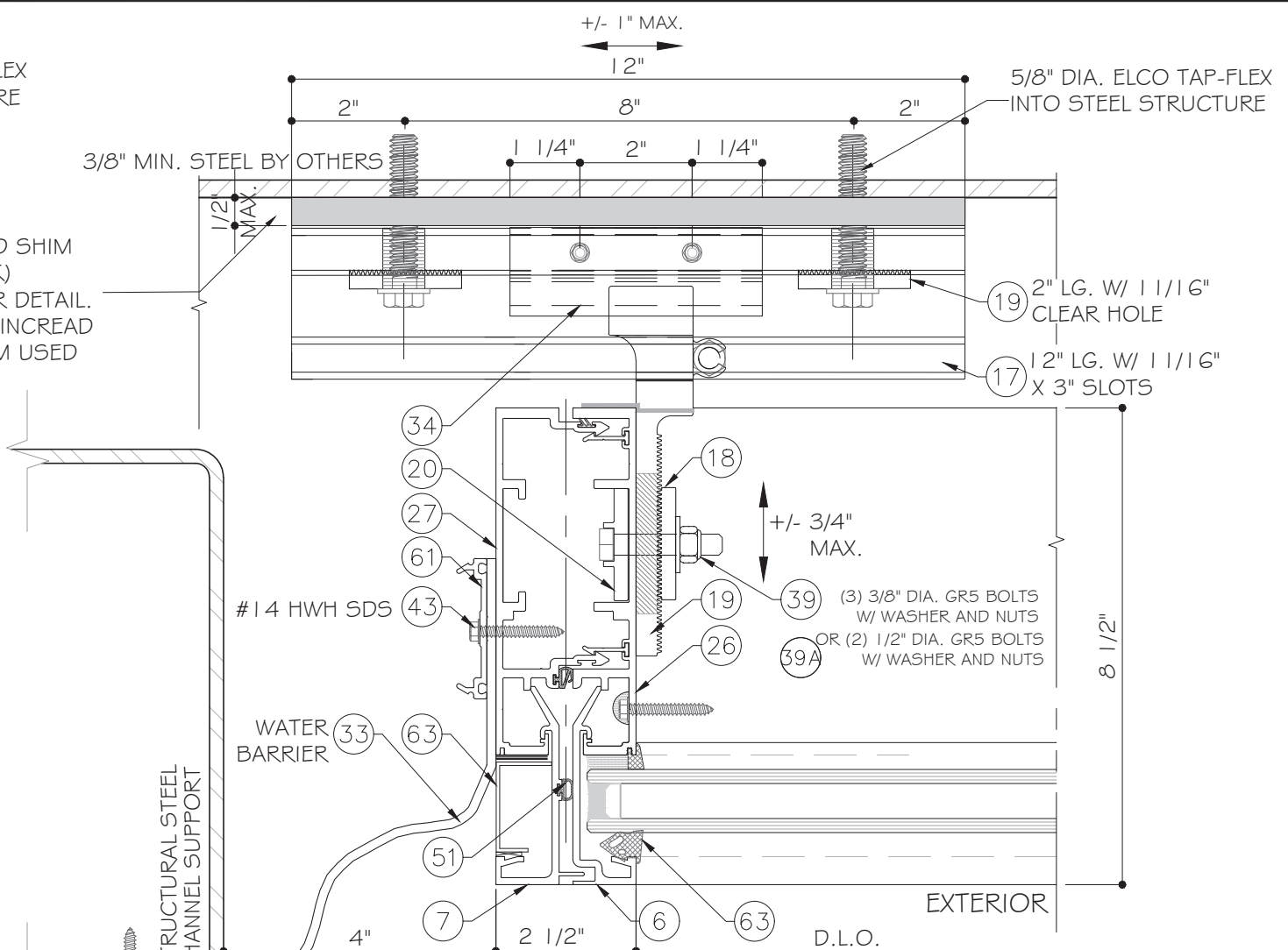
T850A CURTAIN WALL-NON IMPACT

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PH: (407)-857-9237

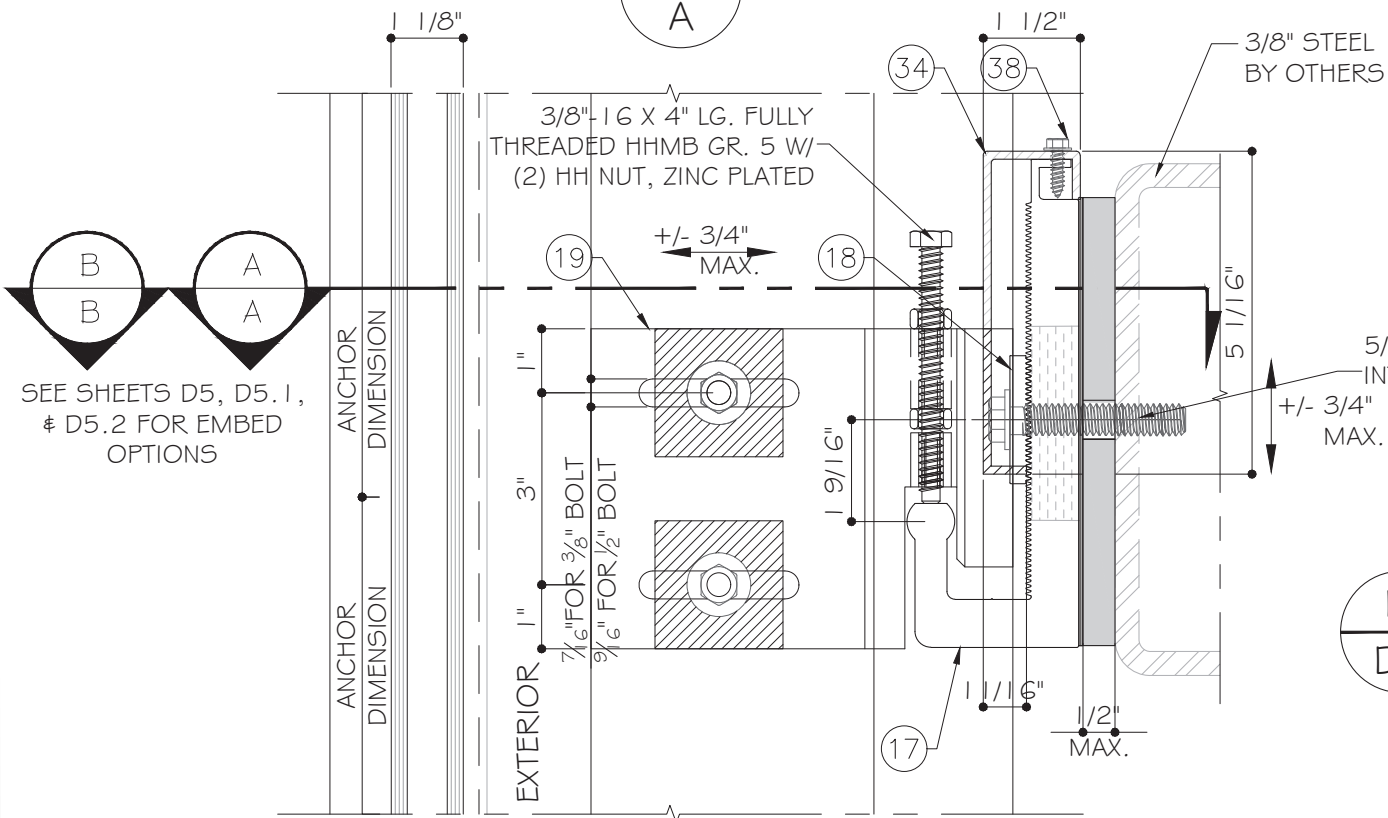
D3	
DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027
DRAWING NO. AD17-12	
11 OF 31	



A SECTION



B SECTION



M D4 **DETAIL**
INTERMEDIATE ANCHOR FOR TYPICAL
MULLION/JAMB INTO STEEL STRUCTURE

MAX. REACTIONS		
	UP TO 1/2" MAX. ALUM. SOLID SHIM	
	MULLION	JAMB
R _w	+/- 6800 #	+/- 3400 #
R _d	1050 #	525 #

R_w - WIND LOAD
R_d - DEAD LOAD

FLORIDA APPROVAL:
FL# 22516.1

YIPING WANG
REGISTERED PROFESSIONAL ENGINEER
No. 55983
C.A.N. 3337

Sep.27th, 2026

REVISIONS	
NO.	DATE DESCRIPTION
R2	06/25/25 FBC 2023
R3	09/27/2026 FBC 2026

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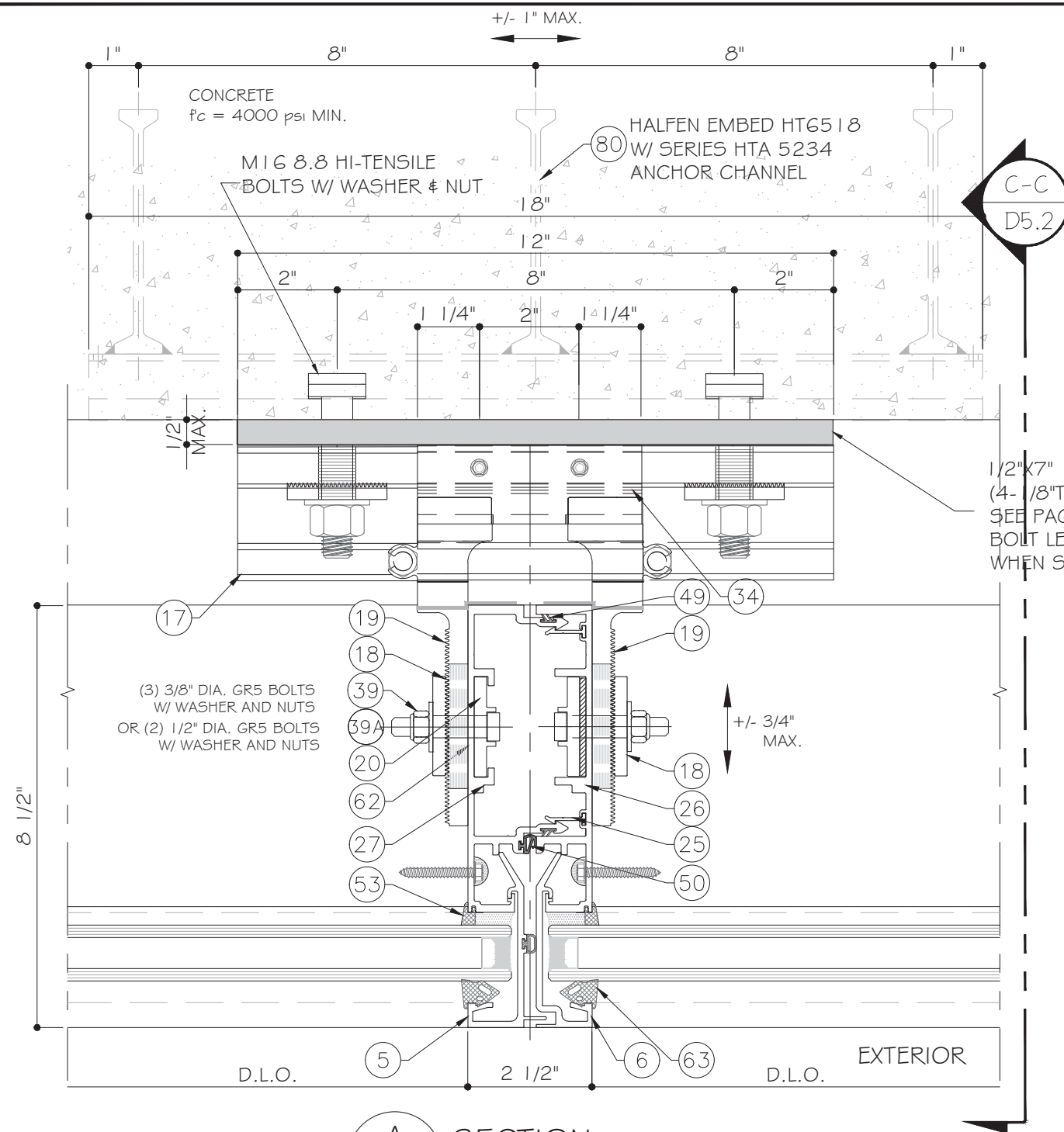
CT WINDOWS d.b.a. ARCHITECTURAL ALUMINUM TECHNIQUES
9195 BOGGY CREEK RD. #1
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PH: (407)-857-9237

D4

DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027

DRAWING NO.
AD17-12

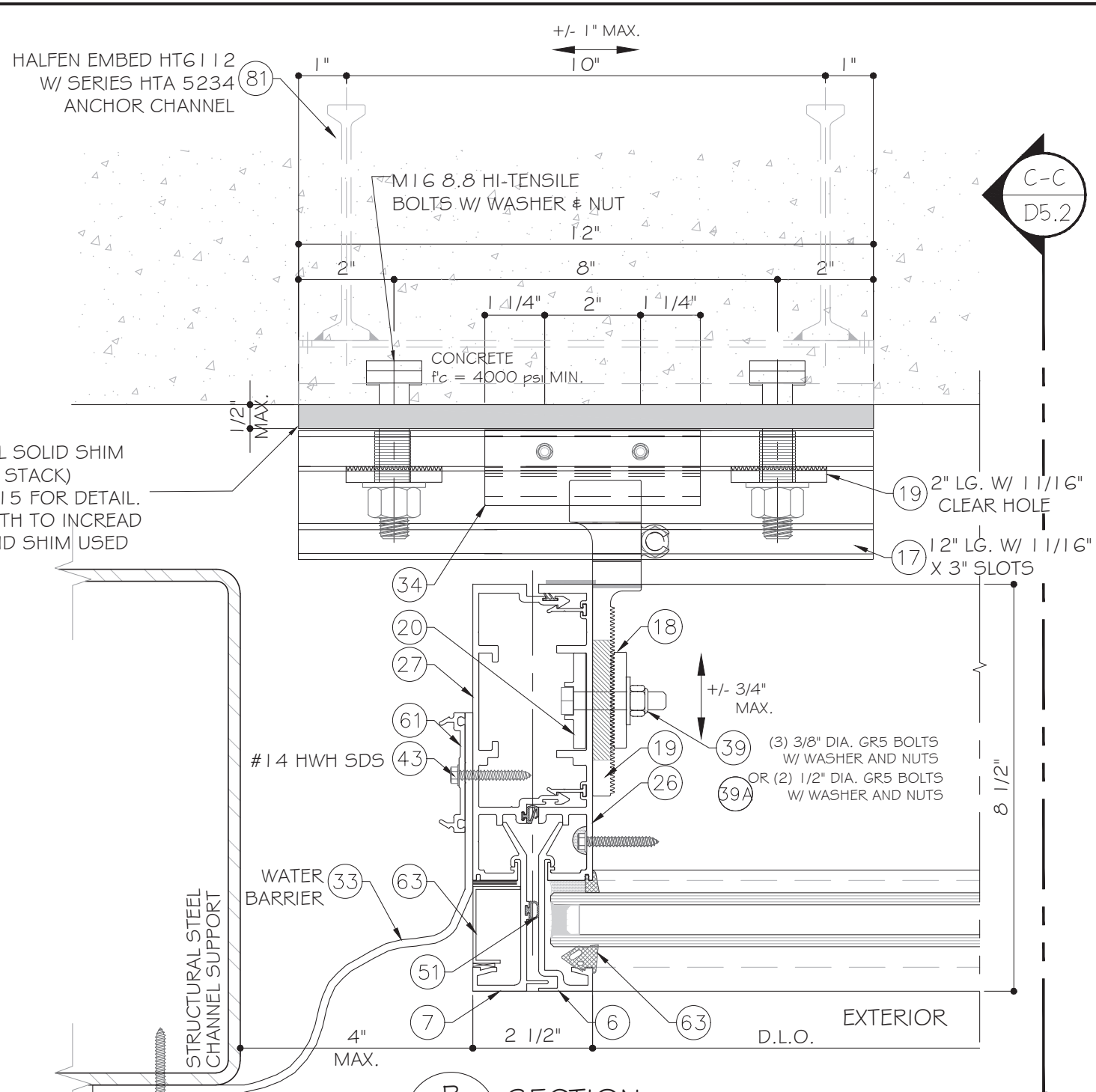
12 OF 31



A SECTION
A INTERMEDIATE ANCHOR
 OPTION W/ HALFEN EMBED

MAX. REACTIONS		
UP TO 1/2" MAX. ALUM. SOLID SHIM		
f'c	4000psi	5000psi
Rw	+/- 5400 #	+/- 6100 #
Rd	1050 #	1050 #

Rw - WIND LOAD
 Rd-DEAD LOAD



B SECTION
B INTERMEDIATE ANCHOR
 OPTION W/ HALFEN EMBED

MAX. REACTIONS		
UP TO 1/2" MAX. ALUM. SOLID SHIM		
f'c	4000psi	5000psi
Rw	+/- 2700 #	+/- 3050 #
Rd	525 #	525 #

Rw - WIND LOAD
 Rd-DEAD LOAD

FLORIDA APPROVAL:
 FL# 22516.1

YIPING WANG
 LICENSED PROFESSIONAL ENGINEER
 No. 55983
 C.A.N. 33027

Sep.27th, 2026

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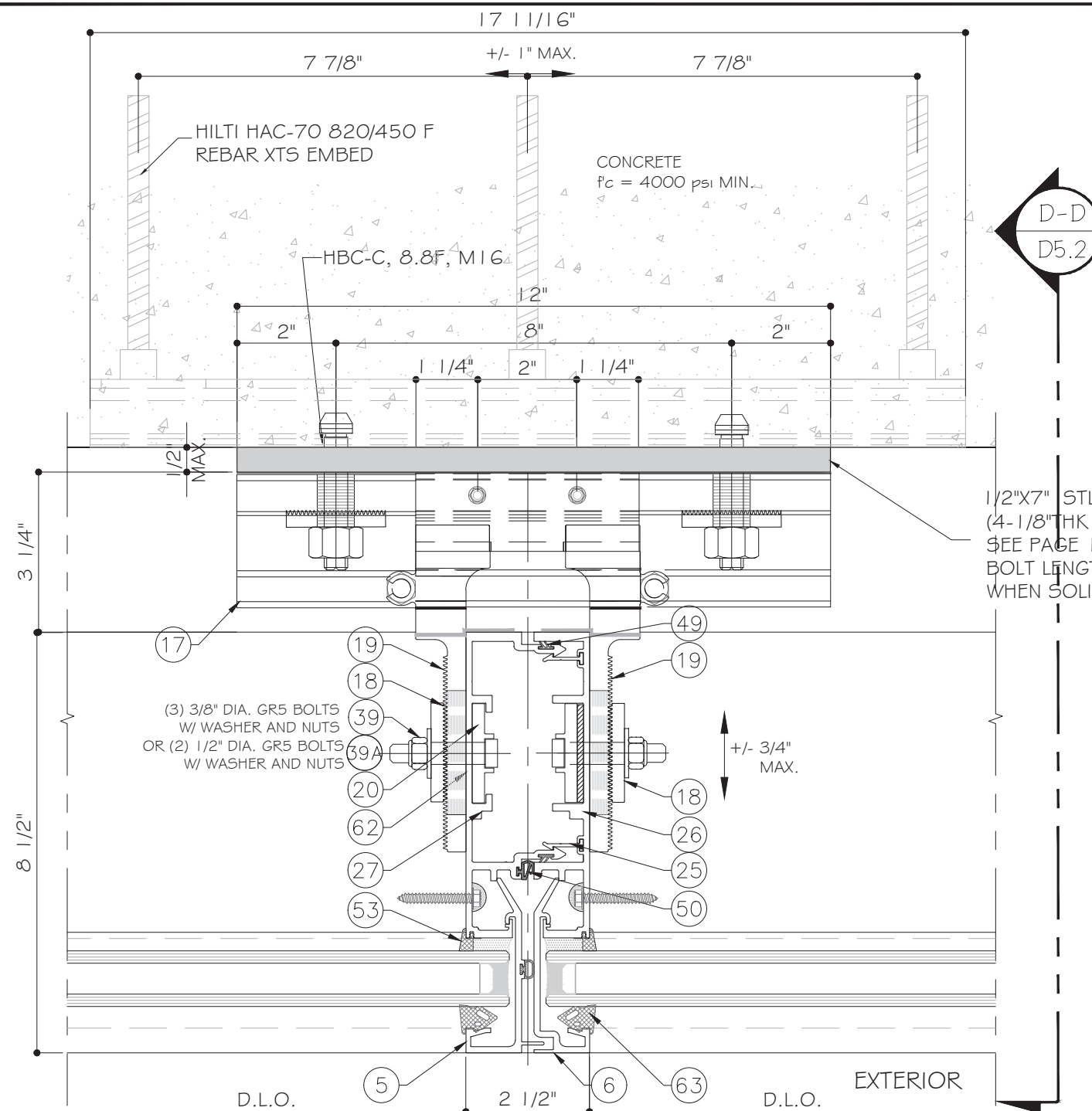
CT WINDOWS d.b.a. ARCHITECTURAL ALUMINUM TECHNIQUES
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 ORLANDO, FL 32824
 PH: (407)-857-9237

D5

DATE: 09.27.2026
 SCALE: AS SHOWN
 DRAWN: James
 PROJECT: 17-027

DRAWING NO.
AD17-12

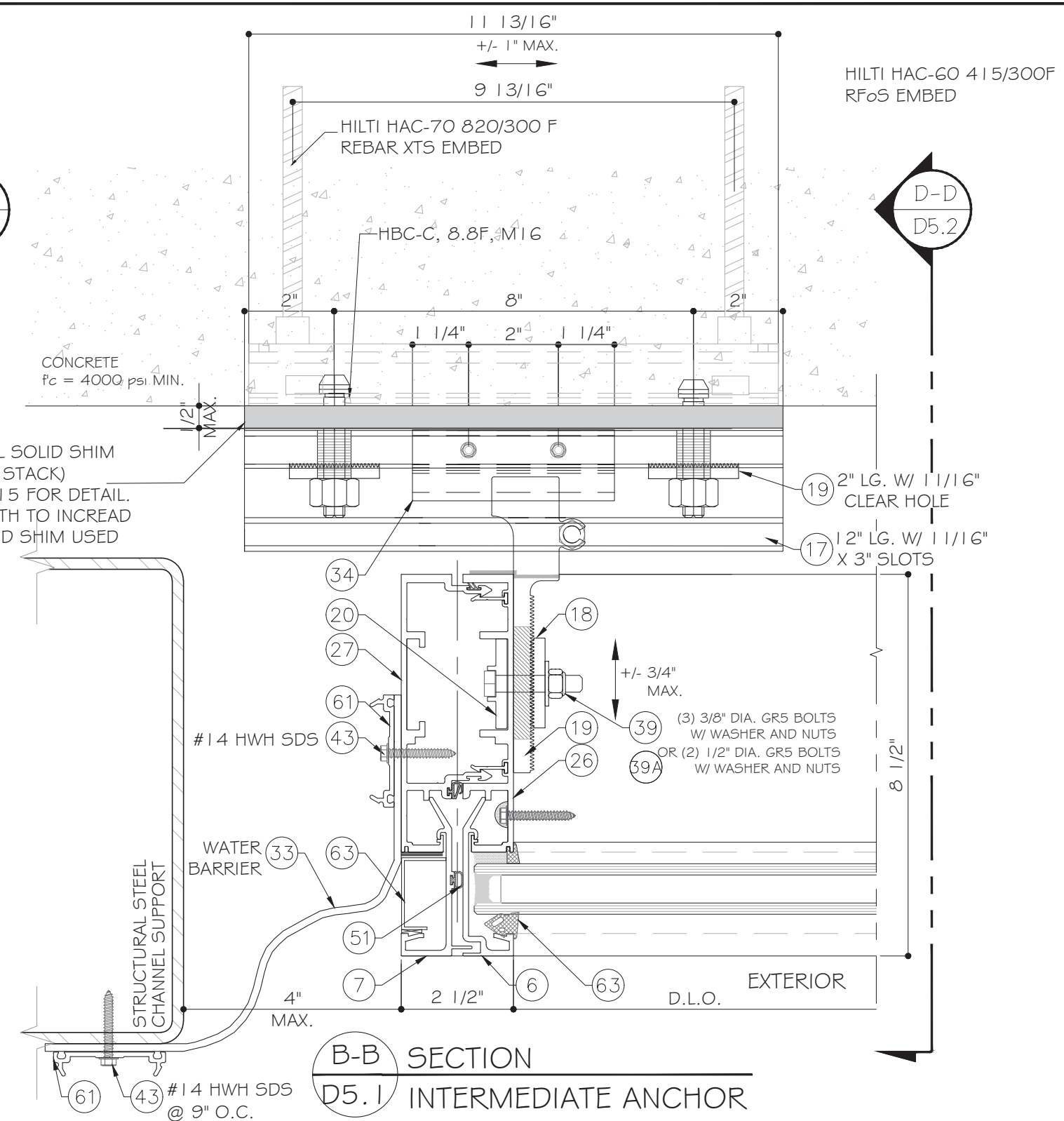
13 OF 31



A-A SECTION
D5.1 INTERMEDIATE ANCHOR
OPTION W/ HILTI EMBED

MAX. REACTIONS		
	UP TO 1/2" MAX. ALUM.SOLID SHIM	
	MULLION	JAMB
R _w	+/- 7800 #	+/- 3900 #
R _d	1050 #	525 #

R_w - WIND LOAD
 R_d - DEAD LOAD



B-B SECTION

D5.1 INTERMEDIATE ANCHOR OPTION W/ HILTI EMBED

REVISIONS		
NO.	DATE	DESCRIPTION
R2	06/25/25	FBC 2023
R3	09.27.2026	FBC 2026

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1850A CURTAIN WALL-NON IMPACT

9195 BOGGY CREEK RD. #1
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PH: (407)-857-9237

PH: (407)-857-9237

HILTI HAC-60 415/300F
RfOS EMBED

D-D
D5.2

G. W/ 11/16"
AR HOLE

G. W/ 1 1/16"
SLOTS

(3) 3/8" DIA. GR5 BOLTS
W/ WASHER AND NUTS
OR (2) 1/2" DIA. GR5 BOLTS
W/ WASHER AND NUTS

63 D.L.O. EXTERIOR

FLORIDA APPROVAL:
FL# 22516.1

Yiping Wang
 Florida Registration
 License #55983
 C.A.N. 588577
 No. 55983
 State of Florida
 Professional Engineer
 Sep.27th, 2026

D5.1

DATE	09.27.2026
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SCALE	AS SHOWN
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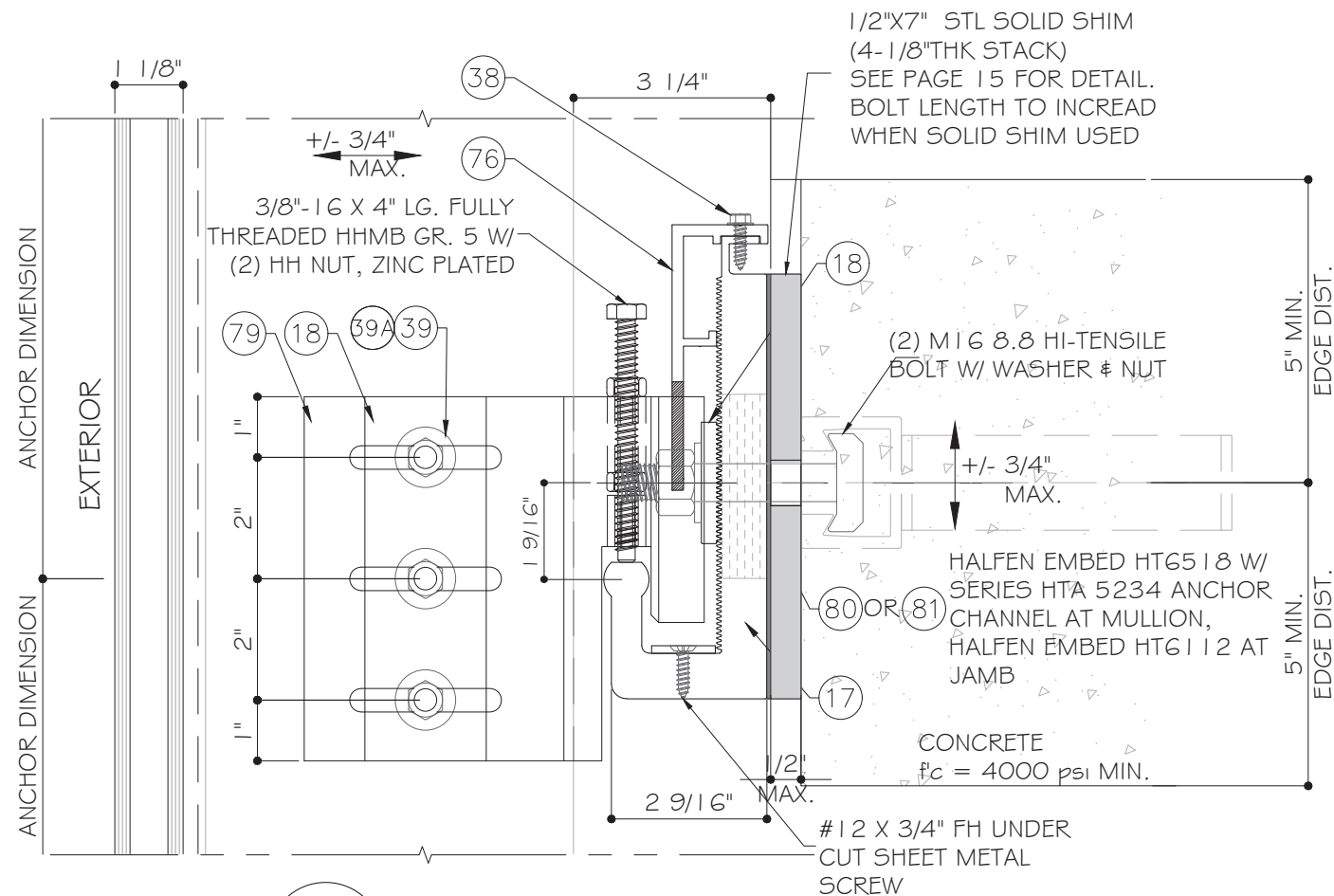
RAWN	James
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PROJECT	17-027
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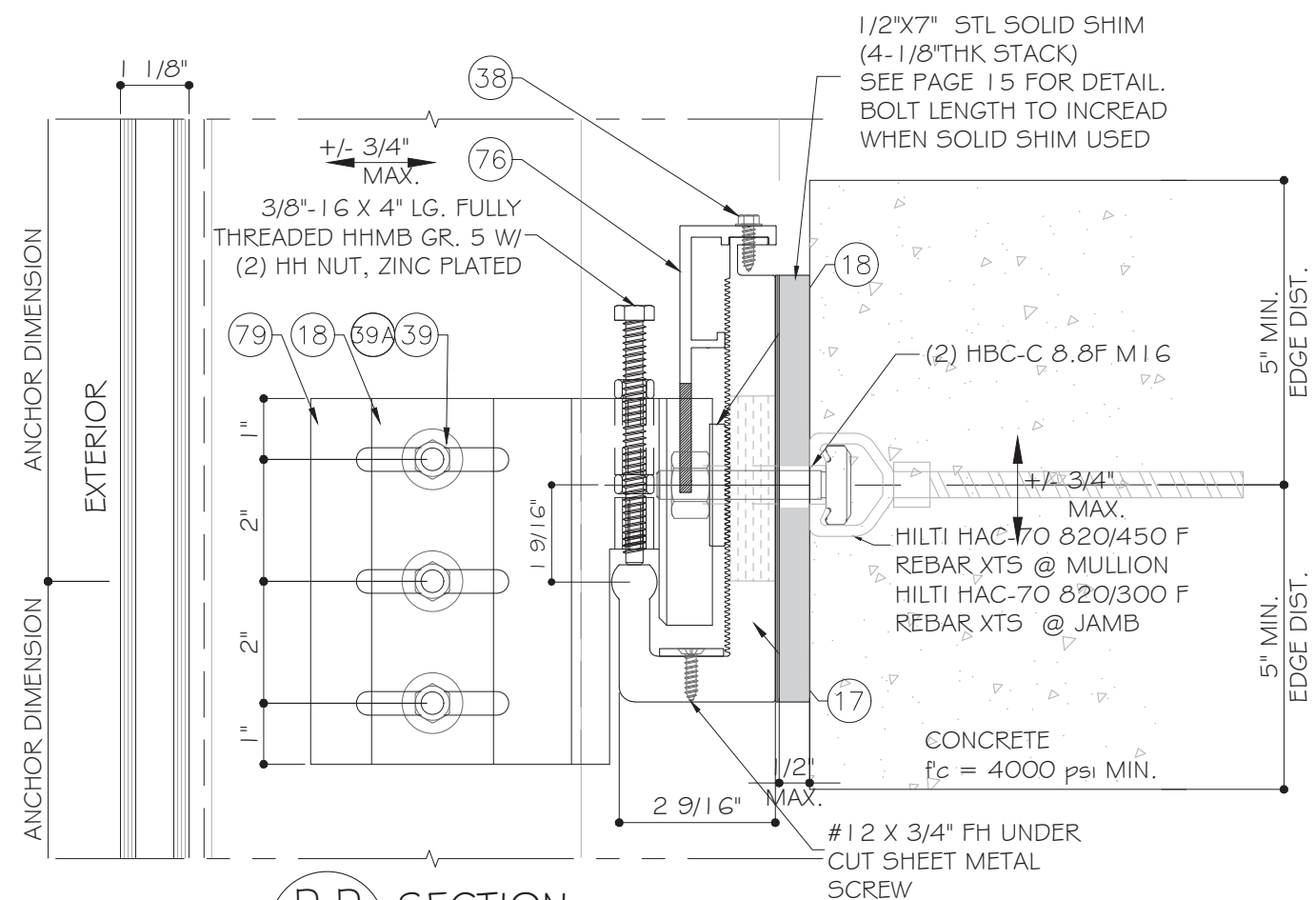
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AD17-12

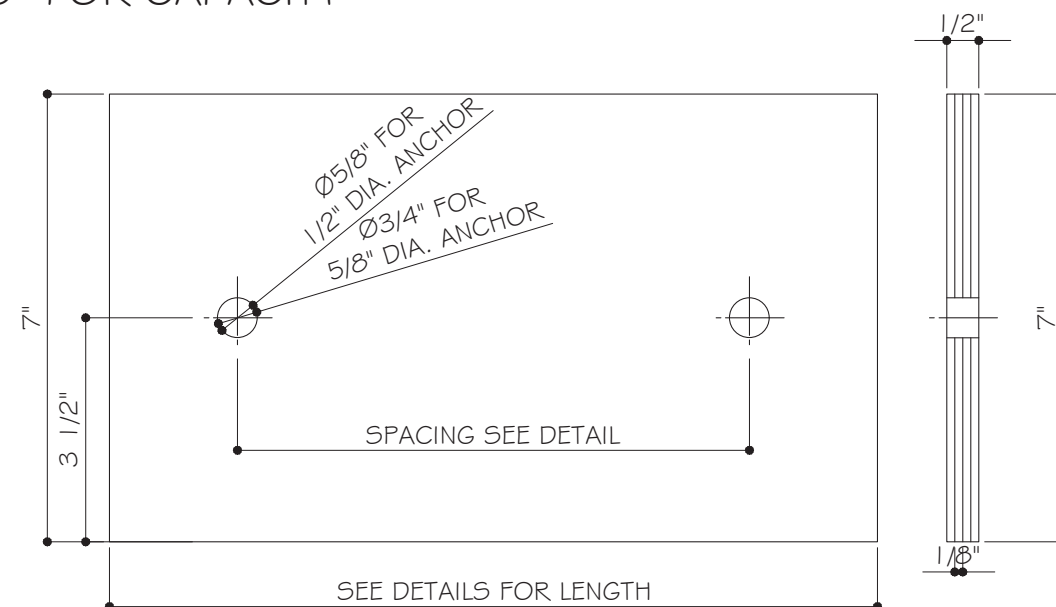
4 OF 31



C-C SECTION
D5.2 INTERMEDIATE ANCHOR
 OPTION W/ HALFEN EMBED
 SEE SHEET D5 FOR CAPACITY



D-D SECTION
D5.2 INTERMEDIATE ANCHOR
 OPTION W/ HILTI EMBED
 SEE SHEET D5.1 FOR CAPACITY



NOTE:
 1. STEEL SHIM TO BE PAINTED TO RESIST RUST.
 2. ALUM. CONTACTING WITH METAL OR CONCRETE TO BE PAINTED WITH HEAVY BODIED BITUMINOUS PAINT.

FLORIDA APPROVAL:
 FL# 22516.1

YIPING WANG
 LICENSED PROFESSIONAL ENGINEER
 No. 55983
 C.A.N. 33377

Sep.27th, 2026

NO.	DATE	DESCRIPTION
R2	06/25/25	FBC 2023
R3	09/27/2026	FBC 2026

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 GLAZING CONSULTANTS

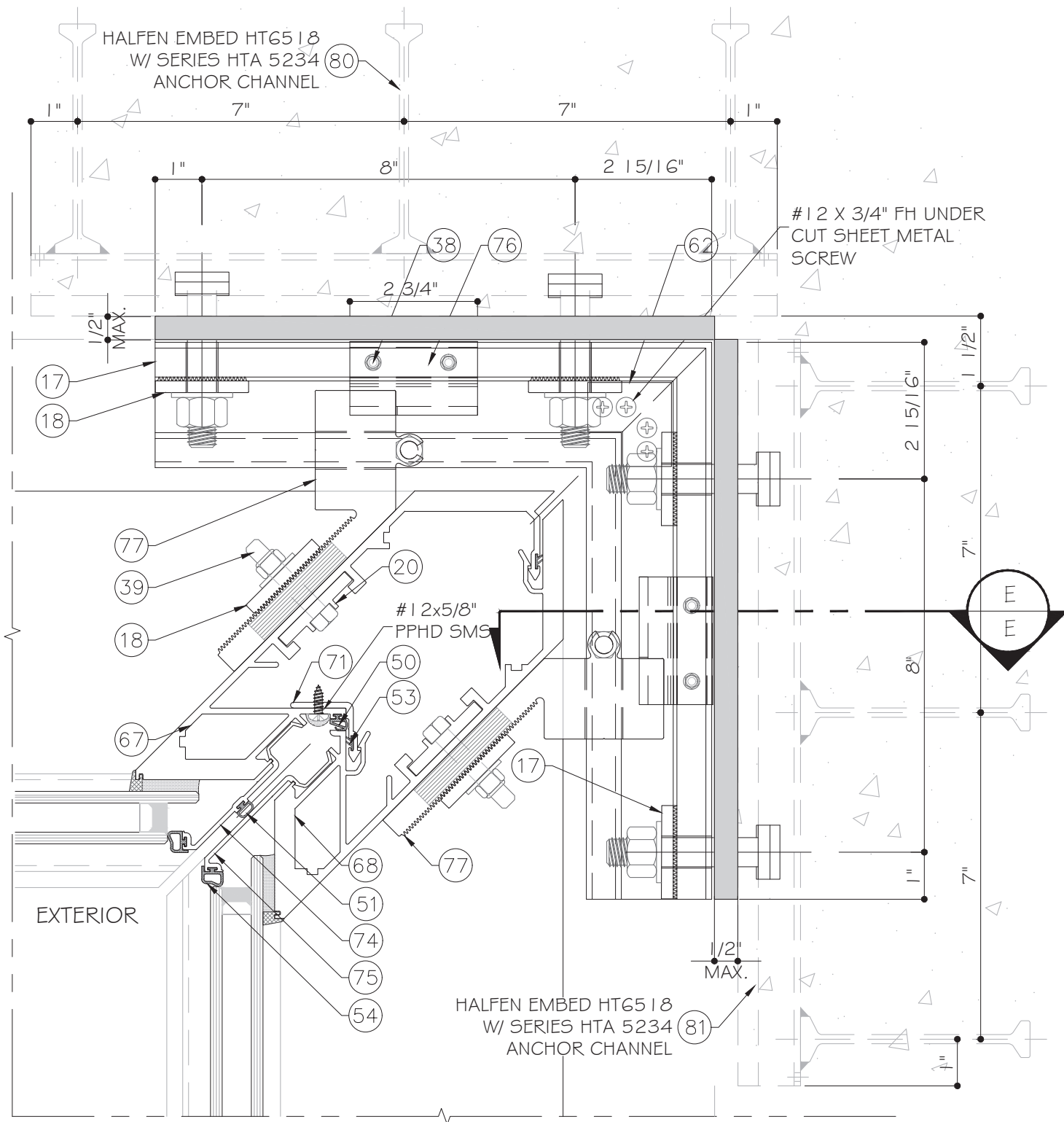
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T850A CURTAIN WALL-NON IMPACT

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 PH: (407)-857-9237

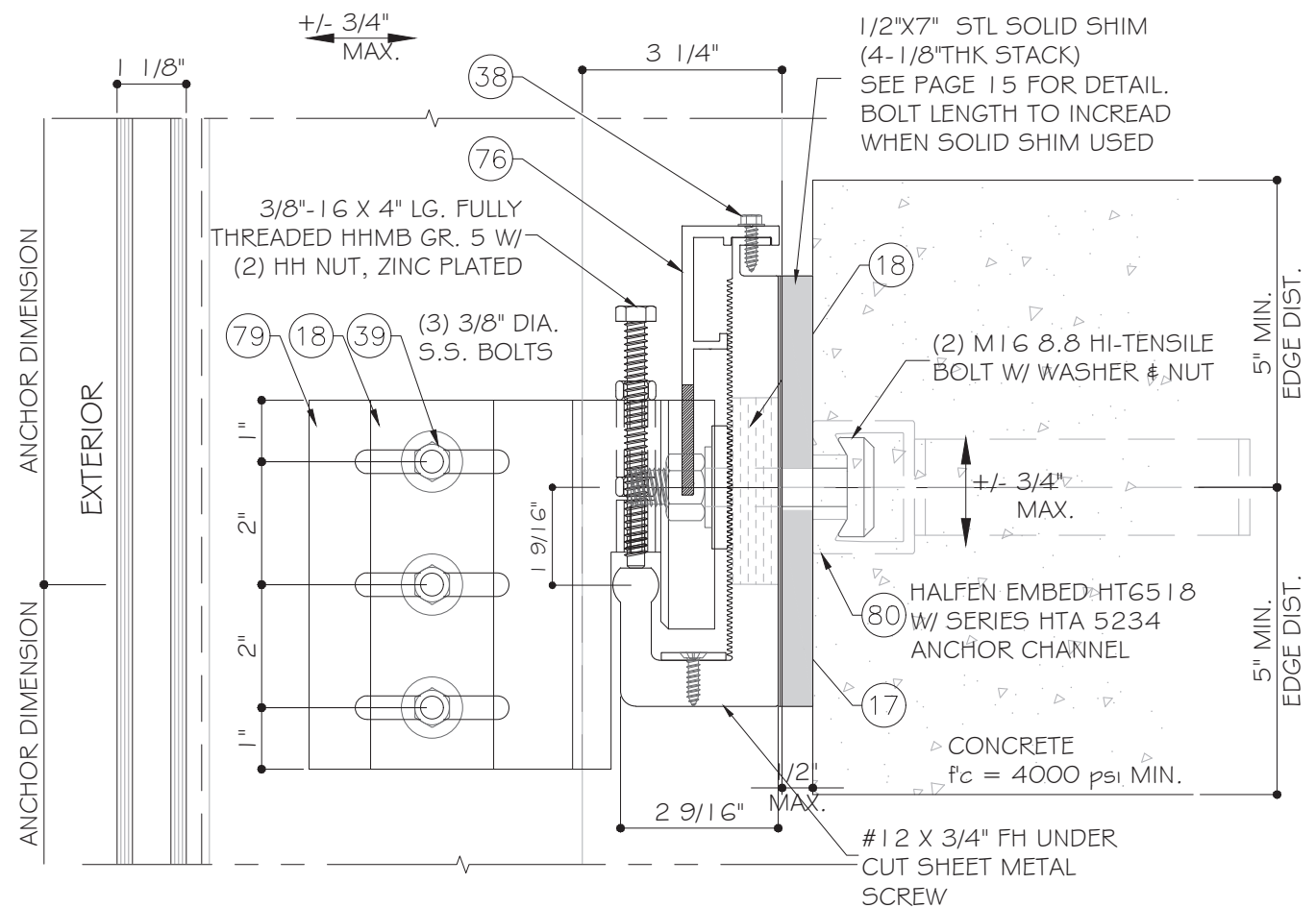
D5.2
DATE 09.27.2026
SCALE AS SHOWN
DRAWN James
PROJECT 17-027
DRAWING NO. AD17-12
15 OF 31



N
D6 **DETAIL**
90° I.S. CORNER MULLION AT FLOOR SLAB ANCHOR W/ HALFEN CUSTOM CORNER EMBED

MAX. REACTIONS/SIDE UP TO 1/2" MAX. ALUM.SOLID SHIM	
Rw	+/- 3100 #
Rd	525 #

Rw - WIND LOAD
Rd-DEAD LOAD



E
E **SECTION**
INTERMEDIATE ANCHOR OPTION W/ HALFEN EMBED

FLORIDA APPROVAL:
FL# 22516.1

YIPING WANG
REGISTERED PROFESSIONAL ENGINEER
No. 55983
C.A.N. 33577

Sep.27th, 2026

REV	DATE	DESCRIPTION
R2	06/25/25	FBC 2023
R3	09/27/2026	FBC 2026

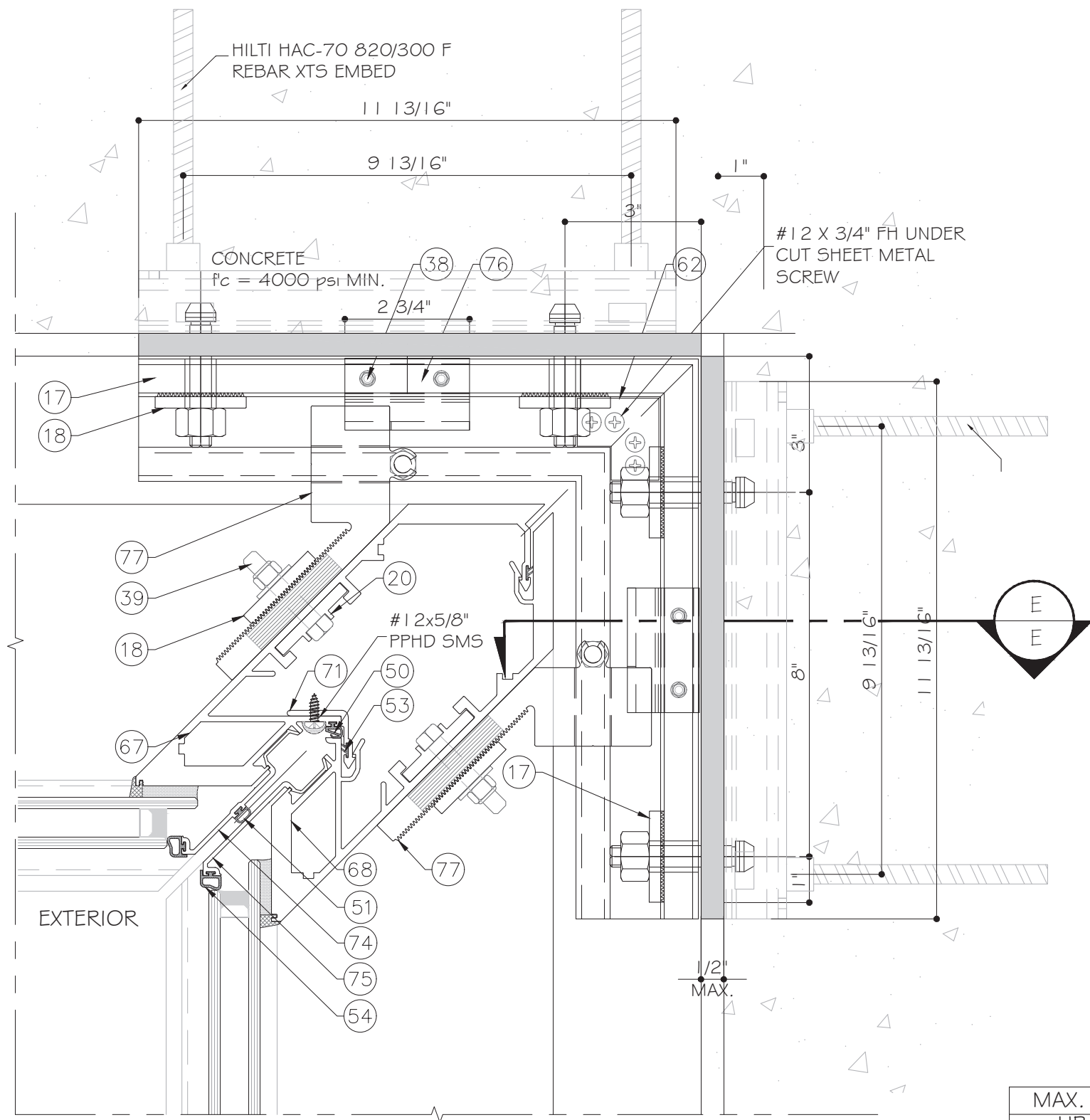
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ORLANDO, FL 32824
PH: (407)-857-9237

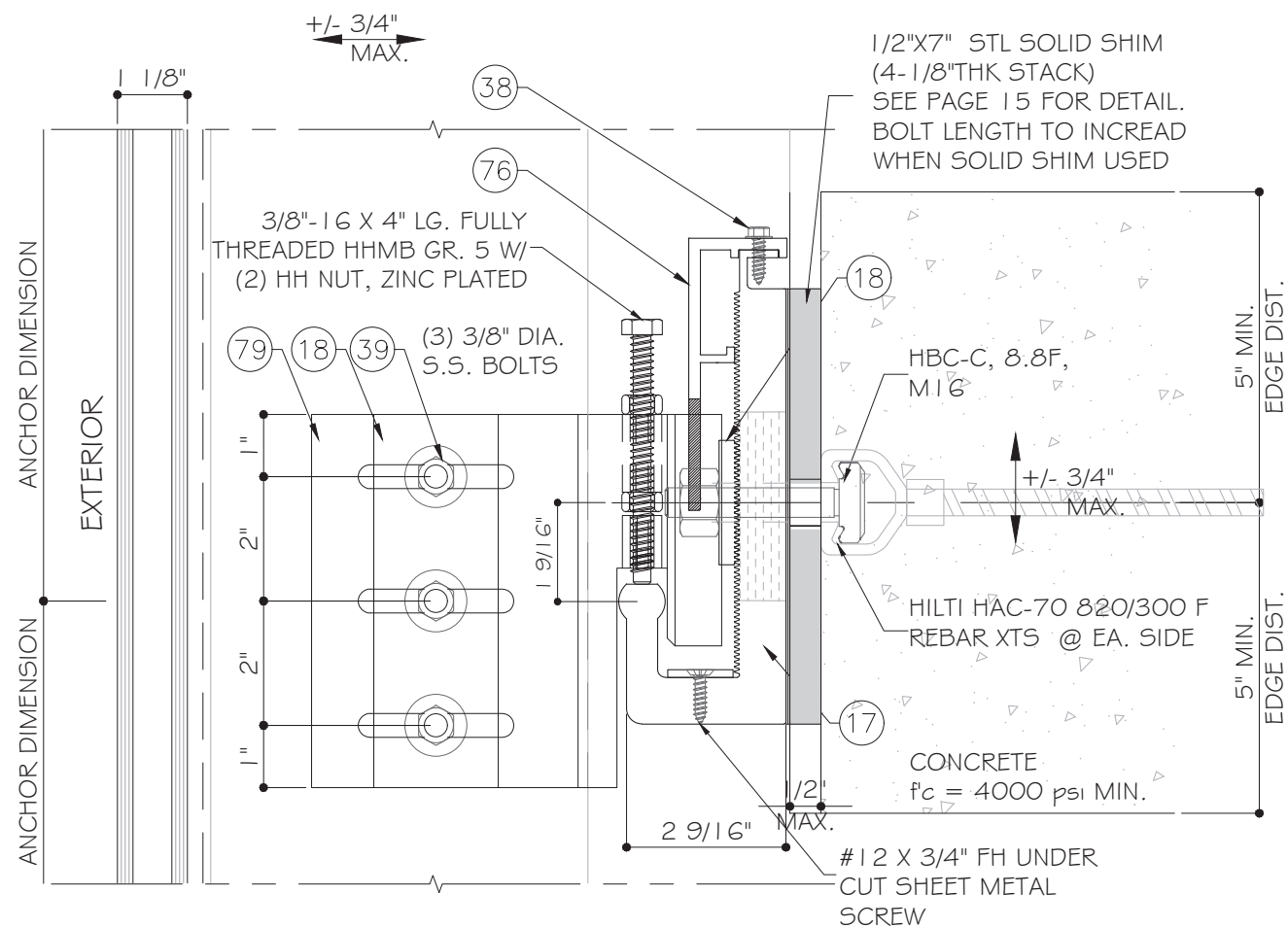
D6	
DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027
DRAWING NO. AD17-12	
16 OF 31	



P
D6.1 **DETAIL**
90° I.S. CORNER MULLION AT FLOOR SLAB ANCHOR W/ HILTI CUSTOM CORNER EMBED

MAX. REACTIONS/SIDE UP TO 1/2" MAX. ALUM.SOLID SHIM	
Rw	+/- 3100 #
Rd	525 #

Rw - WIND LOAD
Rd-DEAD LOAD



E
E **SECTION**
INTERMEDIATE ANCHOR
OPTION W/ HALFEN EMBED

FLORIDA APPROVAL: FL# 22516.1	

NO.	DATE	DESCRIPTION
R2	06/25/25	FBC 2023
R3	09/27/2026	FBC 2026

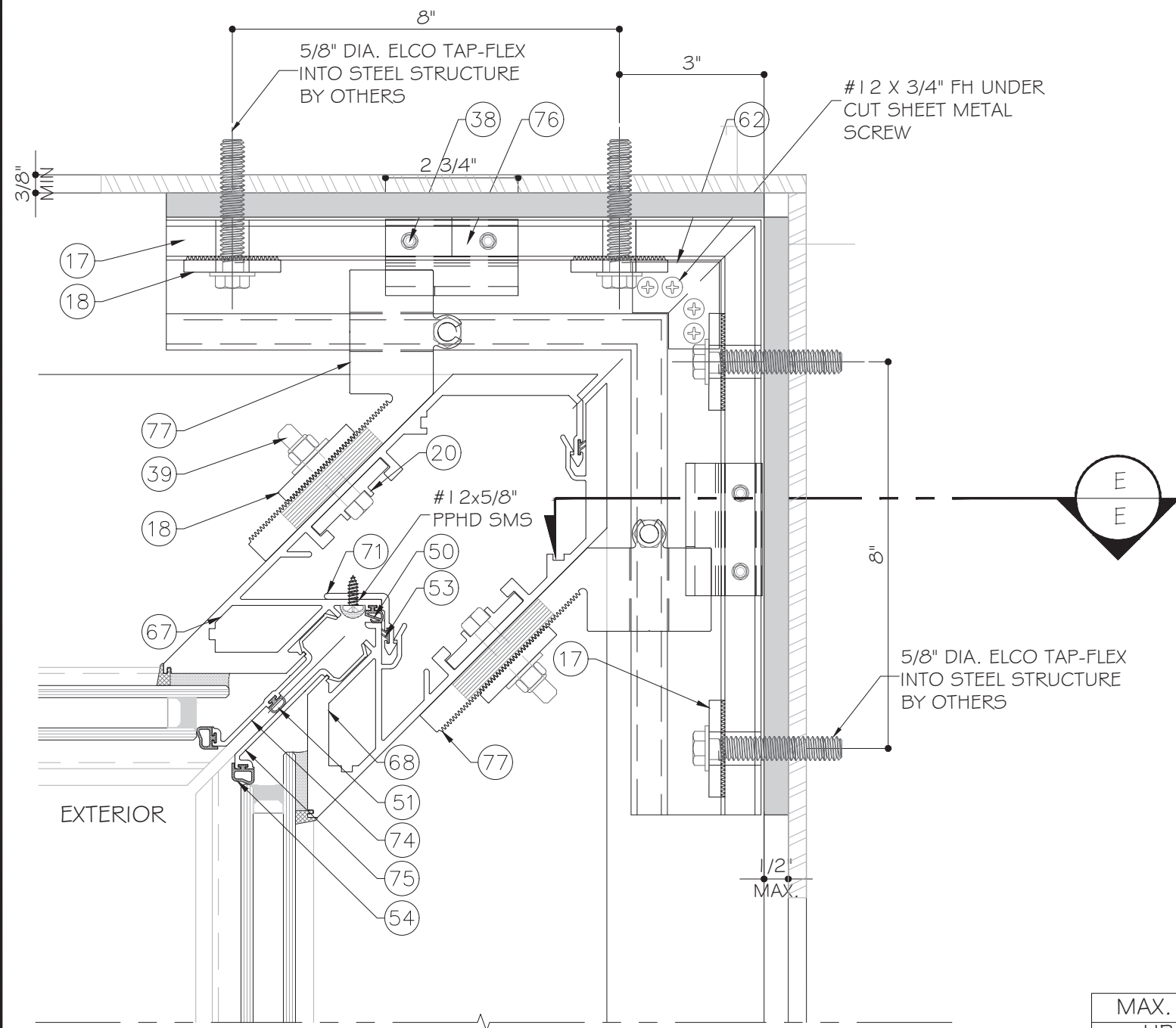
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T850A CURTAIN WALL-NON IMPACT

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ORLANDO, FL 32824
PH: (407)-857-9237

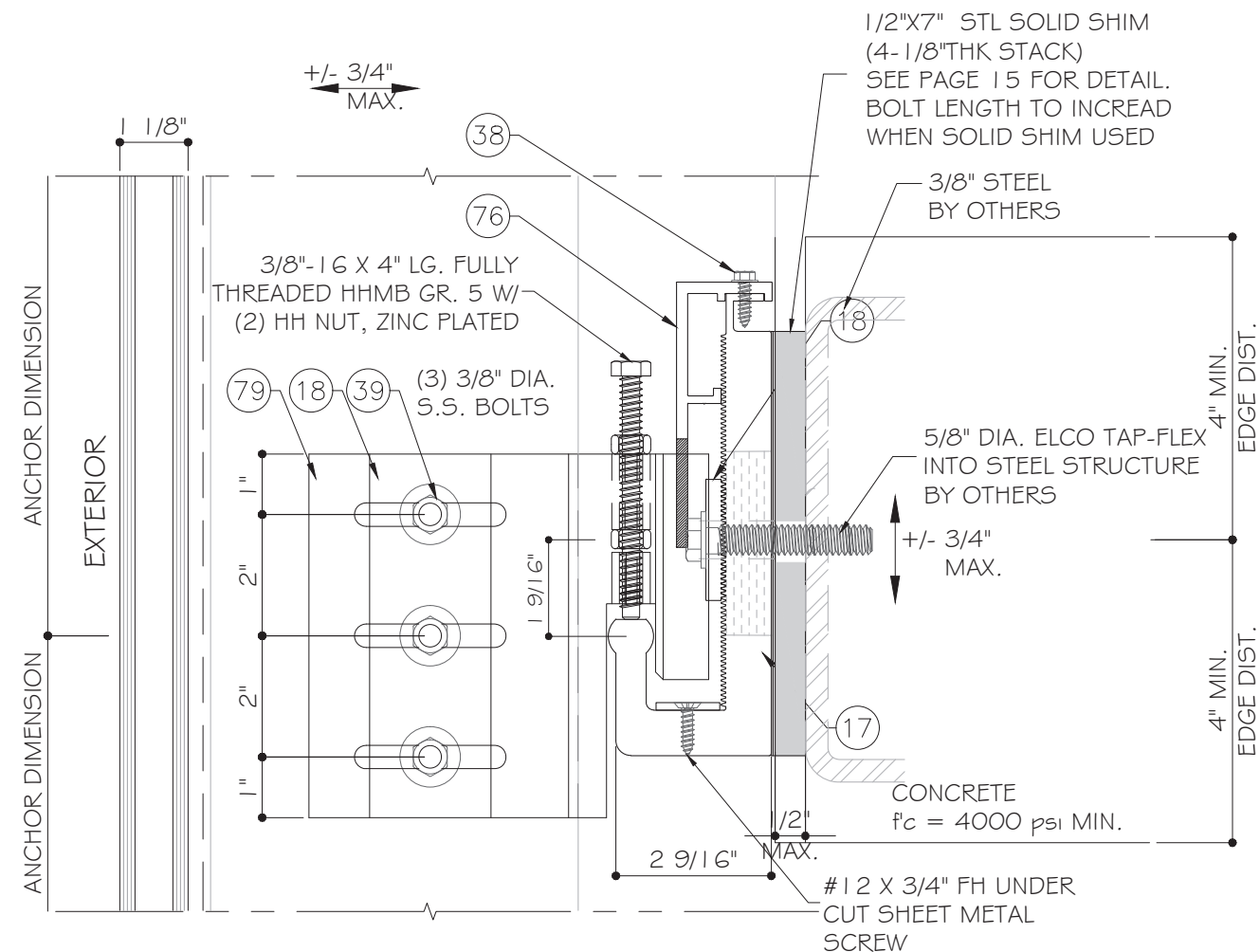
D6.1	
DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027
DRAWING NO. AD17-12	
17 OF 31	



P
D6.2 **DETAIL**
90° I.S. CORNER MULLION AT FLOOR SLAB ANCHOR W/ HILTI CUSTOM CORNER EMBED

MAX. REACTIONS/SIDE UP TO 1/2" MAX. ALUM.SOLID SHIM	
Rw	+/- 3100 #
Rd	525 #

Rw - WIND LOAD
Rd-DEAD LOAD



E1
SECTION
INTERMEDIATE ANCHOR
OPTION W/ HALFEN EMBED

FLORIDA APPROVAL:
FL# 22516.1

YIPING WANG
REGISTERED PROFESSIONAL ENGINEER
No. 55983
C.A.N. 33577

Sep.27th, 2026

NO.	DATE	DESCRIPTION
R2	06/25/25	FBC 2023
R3	09/27/2026	FBC 2026

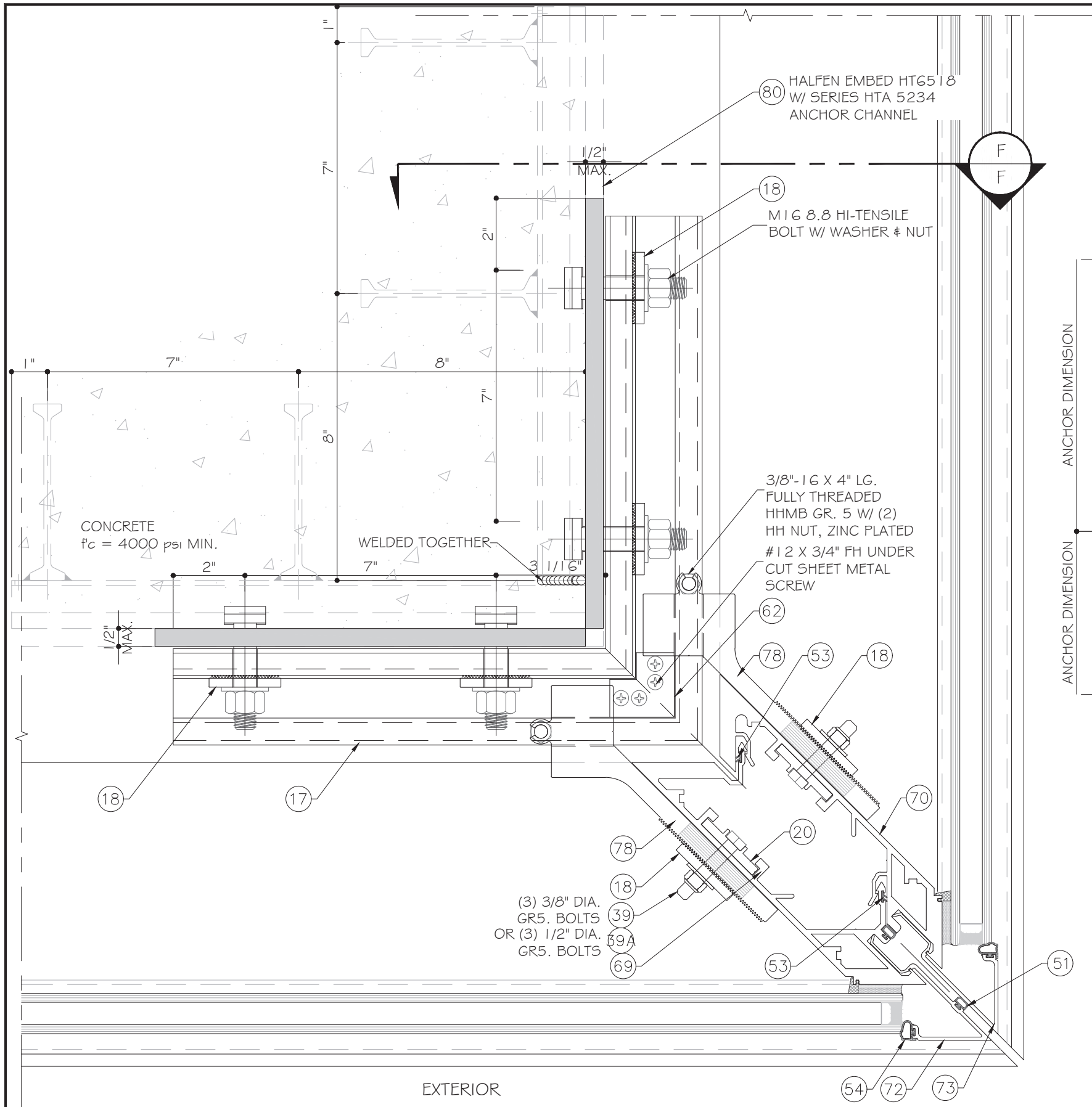
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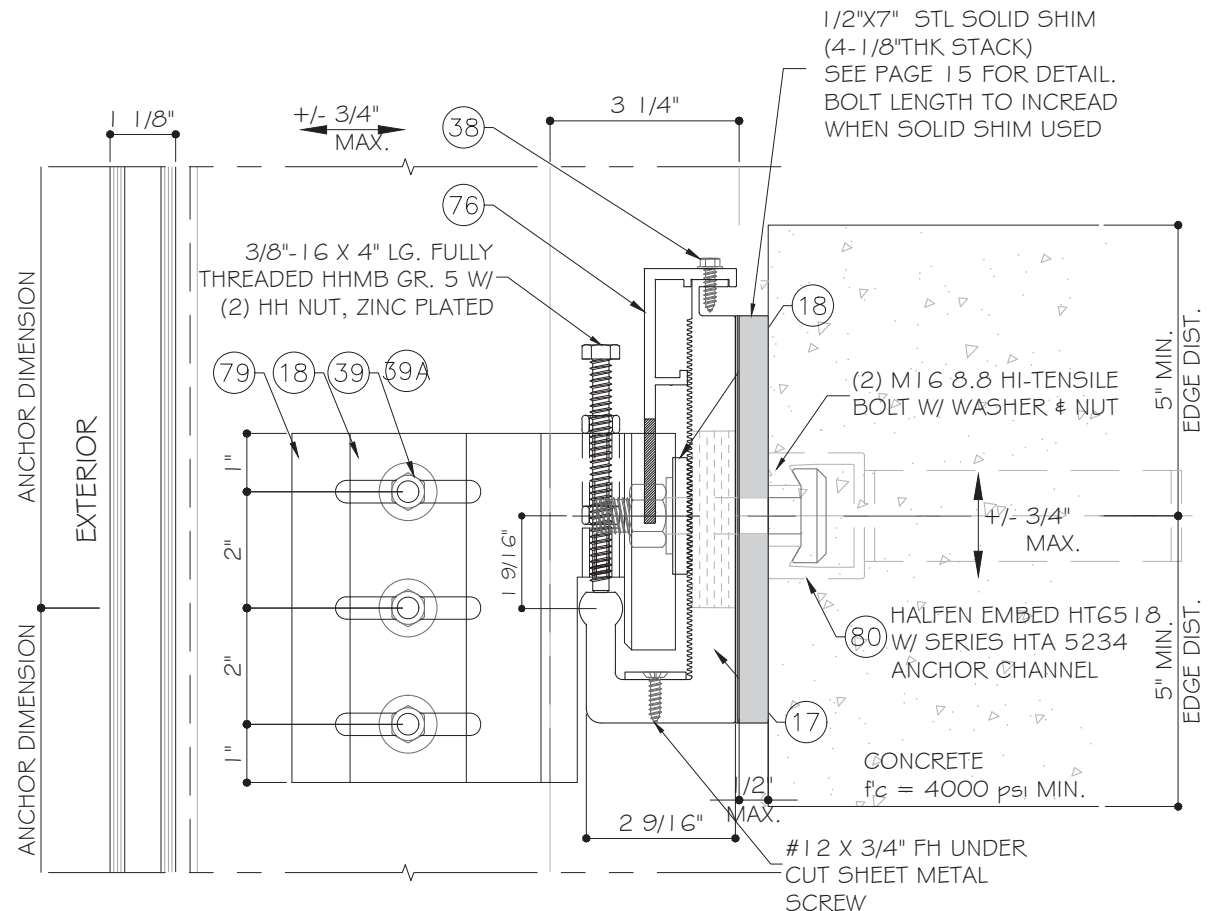
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CT WINDOWS d.b.a. ARCHITECTURAL ALUMINUM TECHNIQUES
9195 BOGGY CREEK RD. #1
ORLANDO, FL 32824
PH: (407)-857-9237

D6.2	
DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027
DRAWING NO. AD17-12	
17.1 OF 31	



Q
D7 **DETAIL**
90° O.S. CORNER MULLION AT FLOOR SLAB ANCHOR W/ HALFEN CUSTOM CORNER EMBED



F
F **SECTION**
INTERMEDIATE ANCHOR OPTION W/ HALFEN EMBED

MAX. REACTIONS/SIDE UP TO 1/2" MAX. ALUM.SOLID SHIM		
	(39)	(39A)
Rw	1750 #	2300 #
Rd	525 #	525 #

Rw - WIND LOAD
Rd-DEAD LOAD

FLORIDA APPROVAL:
FL# 22516.1

YIPING WANG
REGISTERED PROFESSIONAL ENGINEER
No. 55983
C.A.N. 33027

Sep.27th, 2026

NO.	DATE	DESCRIPTION
R2	06/25/25	FBC 2023
R3	09/27/2026	FBC 2026

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

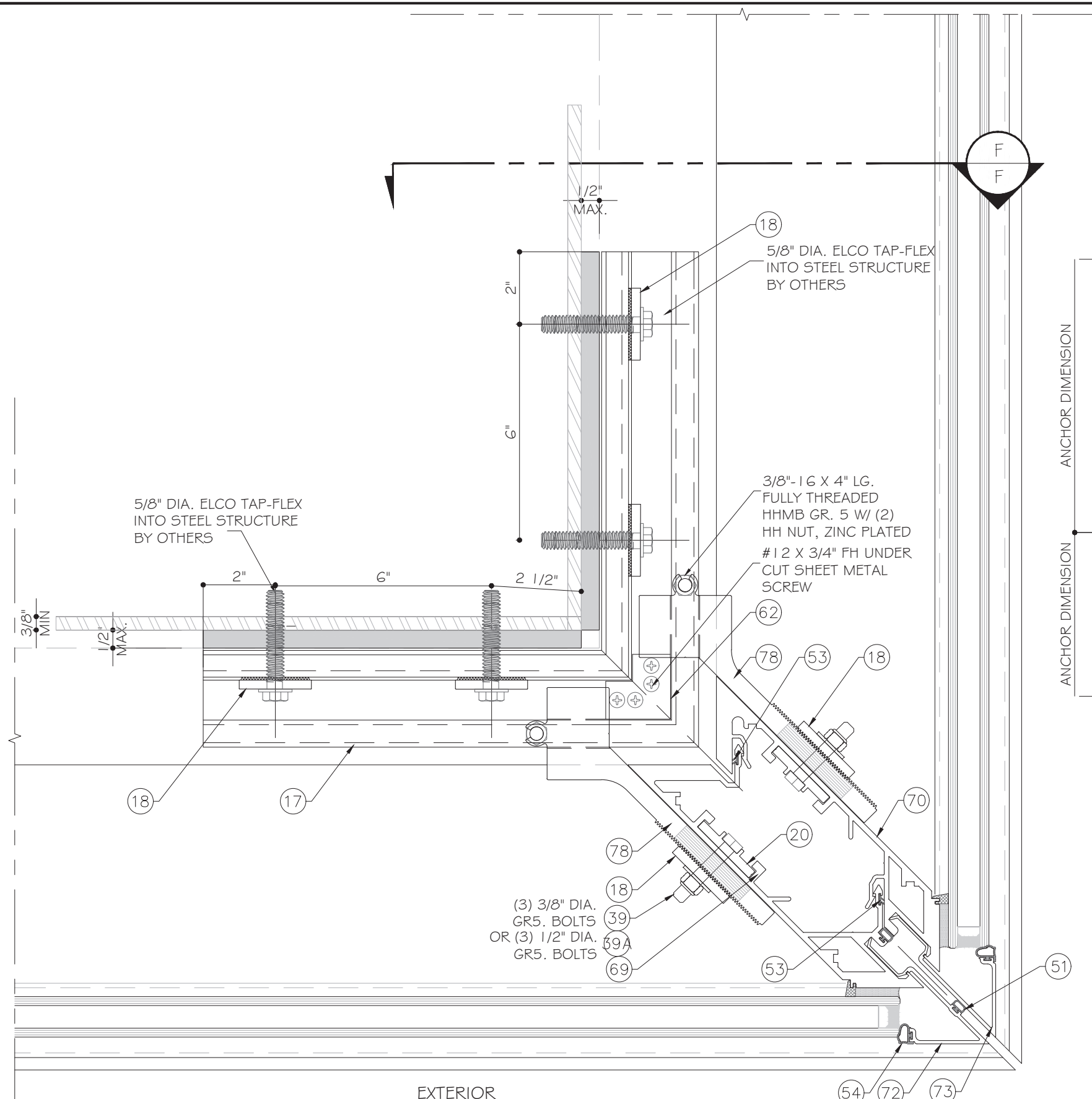
M C Y

12781 MIRAMAR PKWY. STE. 301 P: 305.588.5224
MIRAMAR, FL 33027
www.MCYEngineering.com mcy@mcysengineering.com

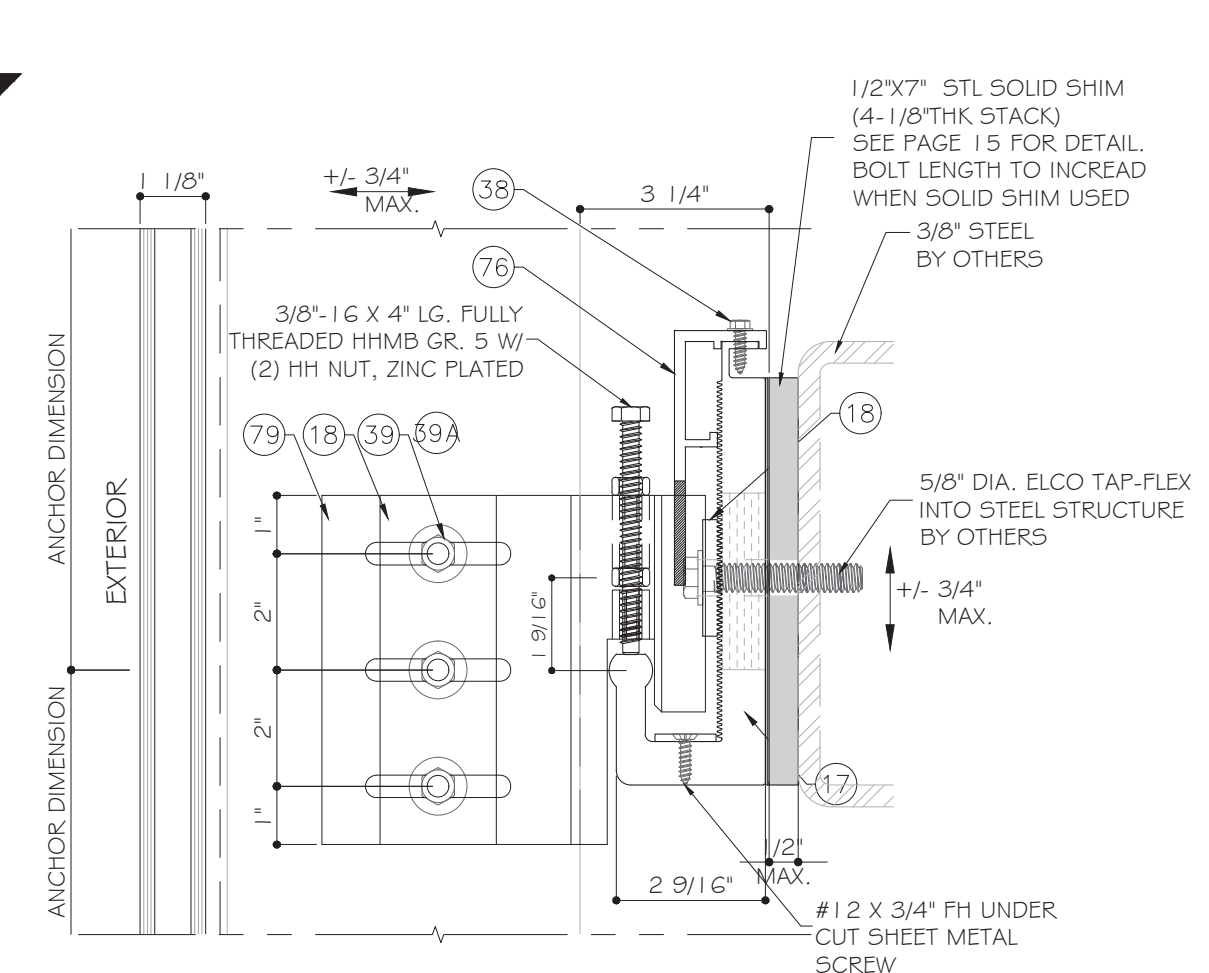
T850A CURTAIN WALL-NON IMPACT

CT WINDOWS d.b.a. ARCHITECTURAL ALUMINUM TECHNIQUES
9195 BOGGY CREEK RD. #1
ORLANDO, FL 32824
PH: (407)-857-9237

D7	
DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027
DRAWING NO. AD17-12	
18 OF 31	



Q
 D7.1
 DETAIL
 90° O.S. CORNER MULLION AT FLOOR SLAB ANCHOR W/ HALFEN CUSTOM CORNER EMBED



F
 F
 SECTION
 INTERMEDIATE ANCHOR
 OPTION W/ HALFEN EMBED

MAX. REACTIONS/SIDE UP TO 1/2" MAX. ALUM.SOLID SHIM		
	(39)	(39A)
Rw	1750 #	2300 #
Rd	525 #	525 #

Rw - WIND LOAD
 Rd-DEAD LOAD

FLORIDA APPROVAL:

FL# 22516.1

YIPING WANG
 LICENSED PROFESSIONAL ENGINEER
 No. 55983
 C.A.N. 33027

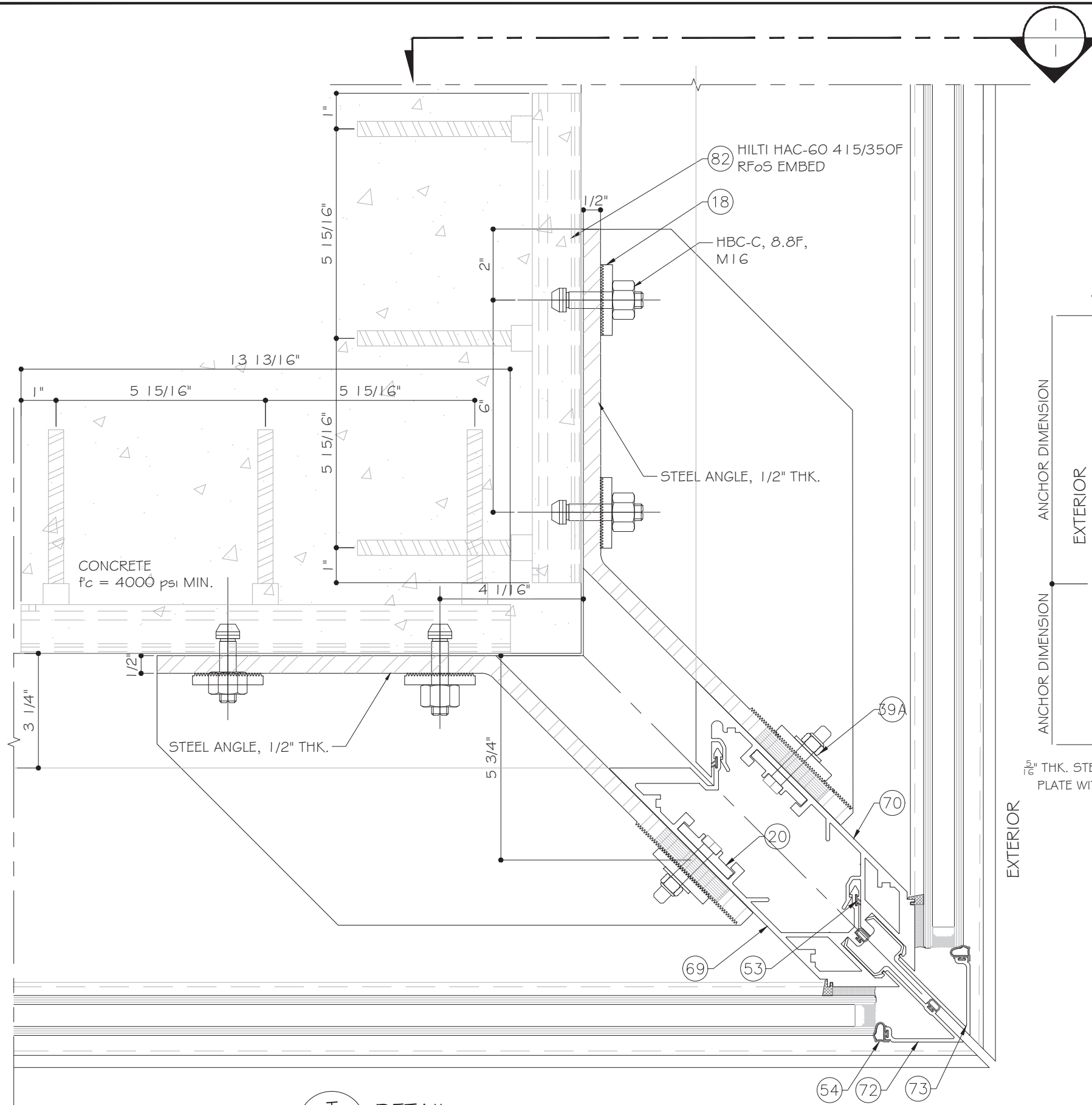
Sep.27th, 2026

REVISIONS		
NO.	DATE	DESCRIPTION
R2	06/25/25	FBC 2023
R3	09/27/2026	FBC 2026

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T850A CURTAIN WALL-NON IMPACT
 CT WINDOWS d.b.a. ARCHITECTURAL ALUMINUM TECHNIQUES
 9195 BOGGY CREEK RD. #1
 ORLANDO, FL 32824
 PH: (407)-857-9237

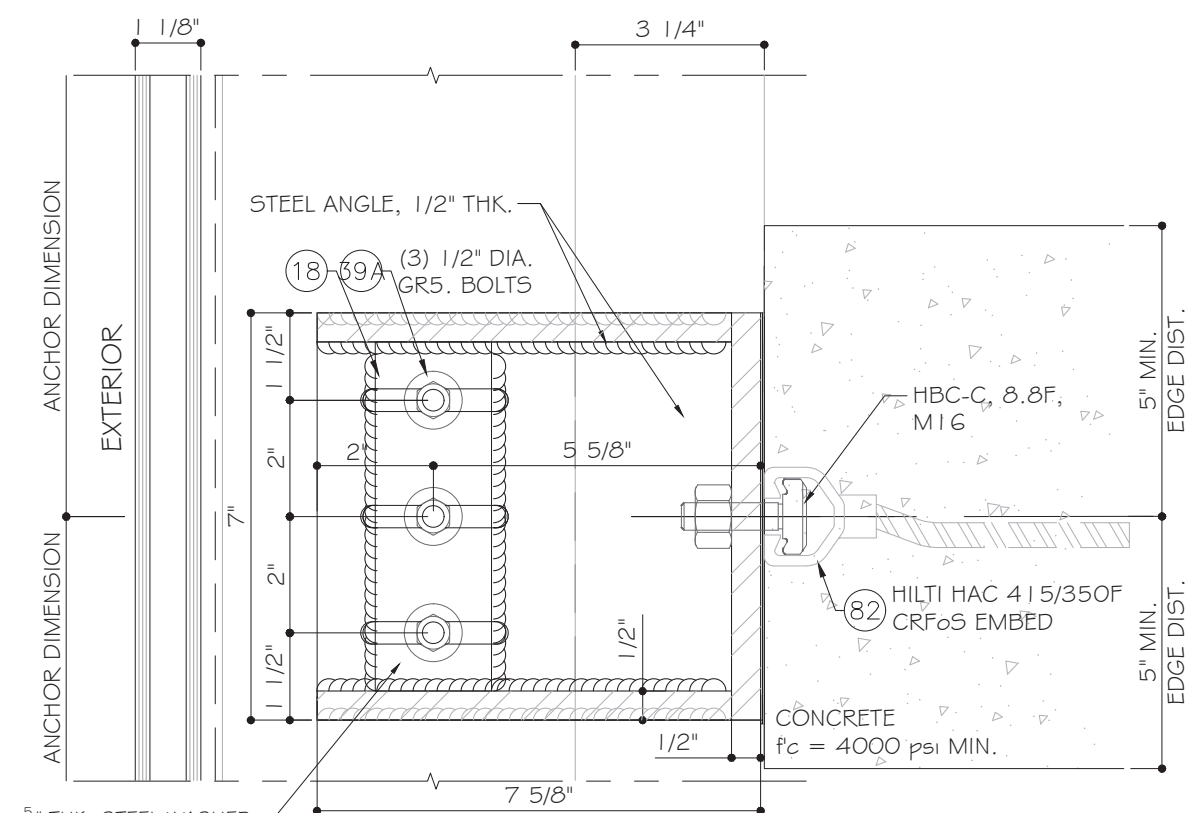
D7.1	
DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027
DRAWING NO. AD17-12	
18.10F 31	



T
D8.1

DETAIL
90° O.S. CORNER MULLION AT
FLOOR SLAB ANCHOR W/ HILTI
CUSTOM CORNER EMBED

EXTERIOR



I
I

SECTION
INTERMEDIATE ANCHOR
OPTION W/ HILTI EMBED

MAX. REACTIONS/SIDE	
Rw	+/- 3000 #
Rd	375 #

Rw - WIND LOAD
Rd-DEAD LOAD

FLORIDA APPROVAL:
FL# 22516.1

Sep.27th, 2026

REVISONS

NO.	DATE	DESCRIPTION
R2	06/25/25	FBC 2023
R3	09/27/2026	FBC 2026

MCY

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www.MCYEngineering.com mcy@mcyengineering.com

T850A CURTAIN WALL-NON IMPACT

CT WINDOWS d.b.a. ARCHITECTURAL ALUMINUM TECHNIQUES
9195 BOGGY CREEK RD. #1
ORLANDO, FL 32824
PH: (407)-857-9237

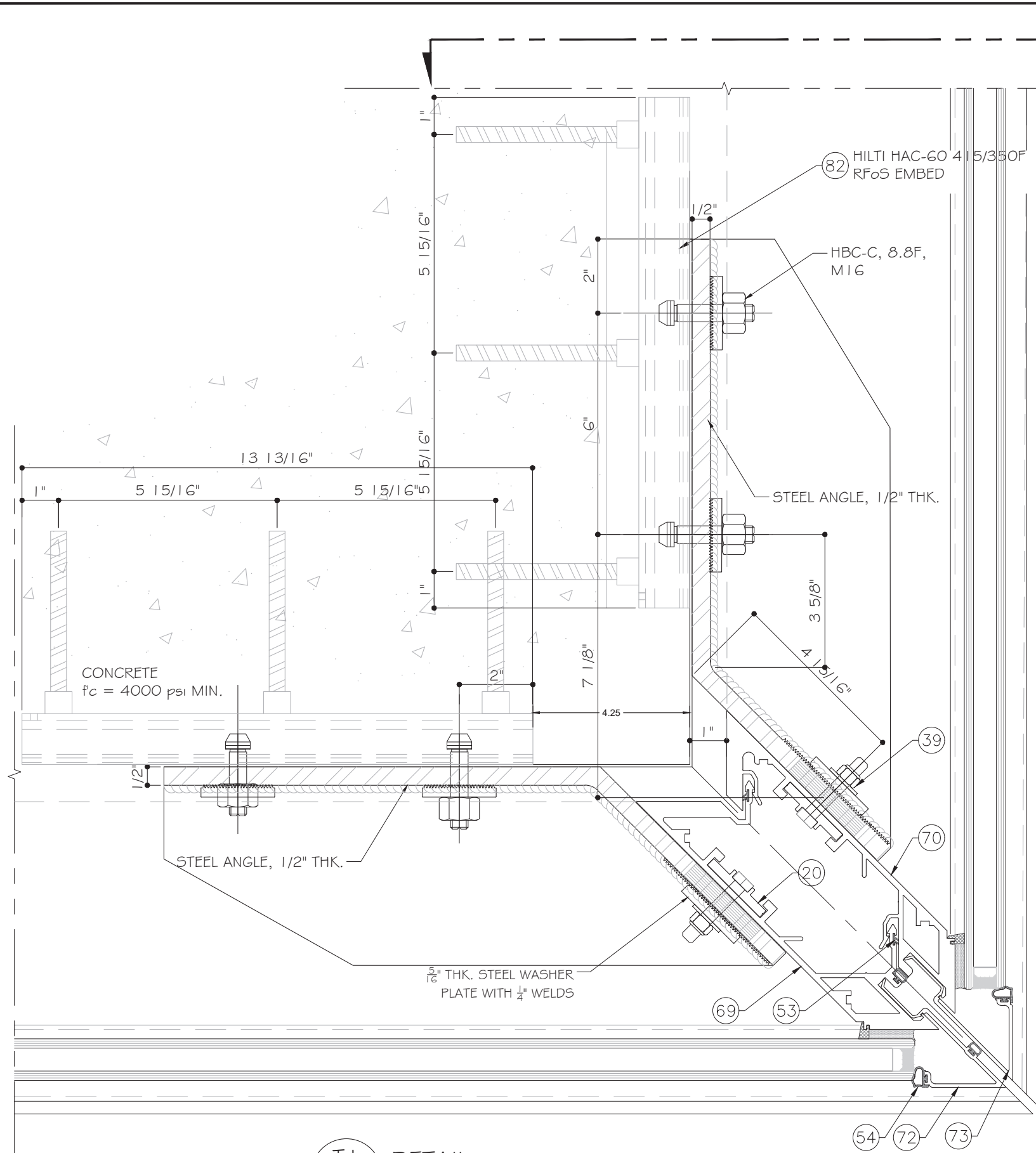
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DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027

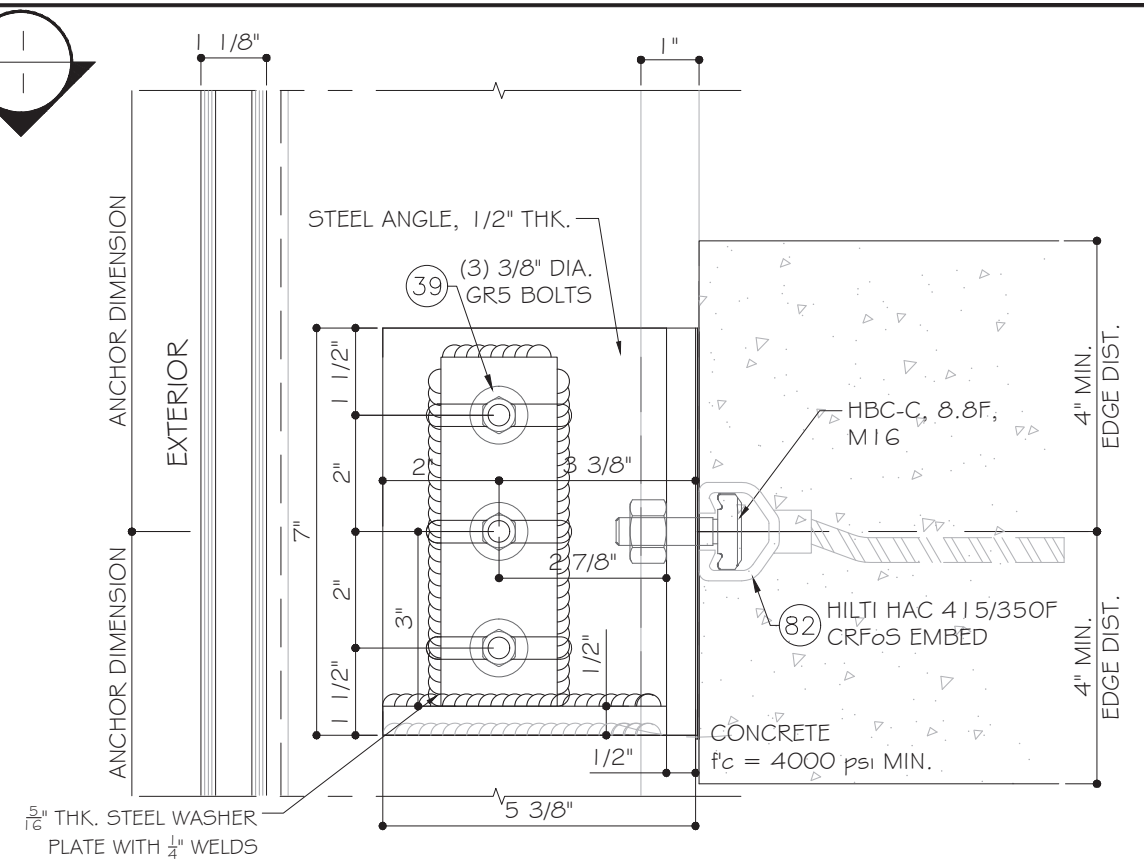
DRAWING NO.

AD17-12

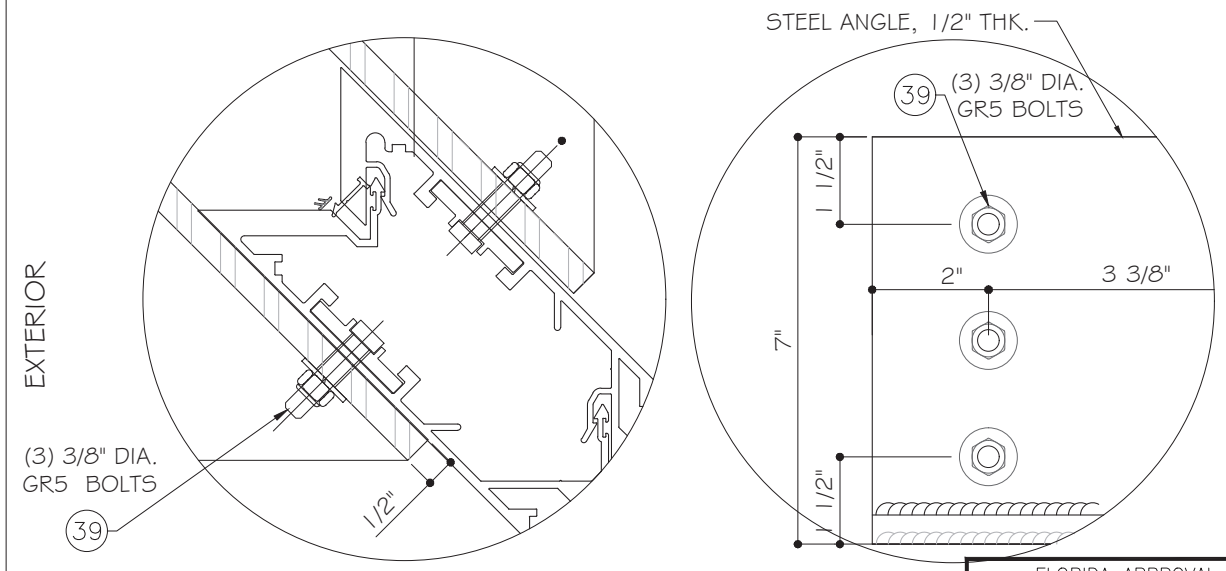
20 OF 31



T1
D8.2 **DETAIL**
90° O.S. CORNER MULLION AT FLOOR SLAB ANCHOR W/ HILTI CUSTOM CORNER EMBED



SECTION
INTERMEDIATE ANCHOR
OPTION W/ HILTI EMBED



OPTION WITHOUT SLOT

MAX. REACTIONS/SIDE	
R _w	+/- 2500 #
R _d	375 #

R_w - WIND LOAD
R_d - DEAD LOAD

FLORIDA APPROVAL:
FL# 22516.1

YIPING WANG
Professional Engineer
No. 55983
C.A.N. 33377

Sep.27th, 2026

REVISIONS	
NO.	DATE DESCRIPTION
R2	06/25/25 FBC 2023
R3	09/27/2026 FBC 2026

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GLAZING CONSULTANTS

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T850A CURTAIN WALL-NON IMPACT

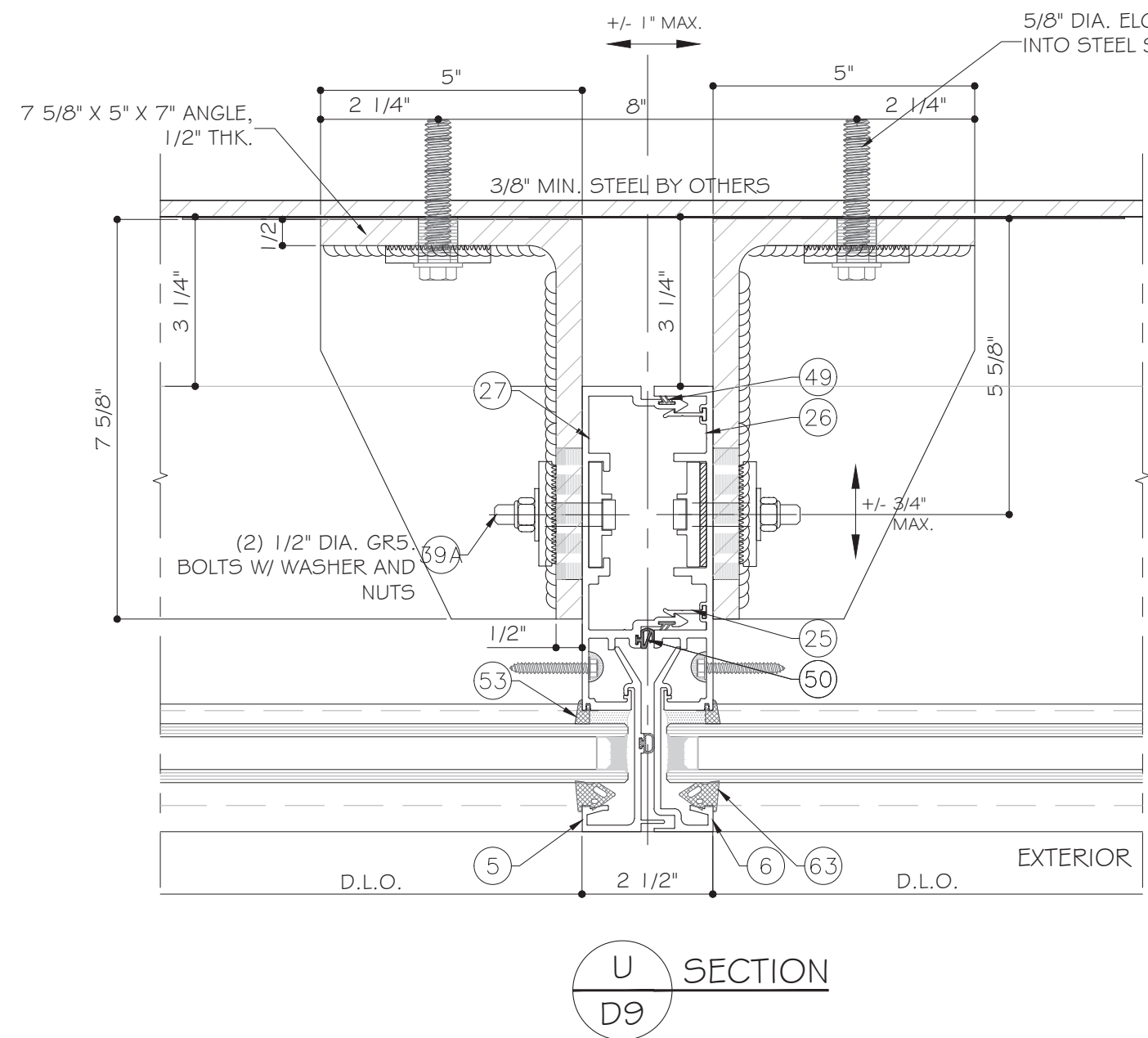
CT WINDOWS d.b.a. ARCHITECTURAL ALUMINUM TECHNIQUES
9195 BOGGY CREEK RD. #1
ORLANDO, FL 32824
PH: (407)-857-9237

D8.2

DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027

DRAWING NO.
AD17-12

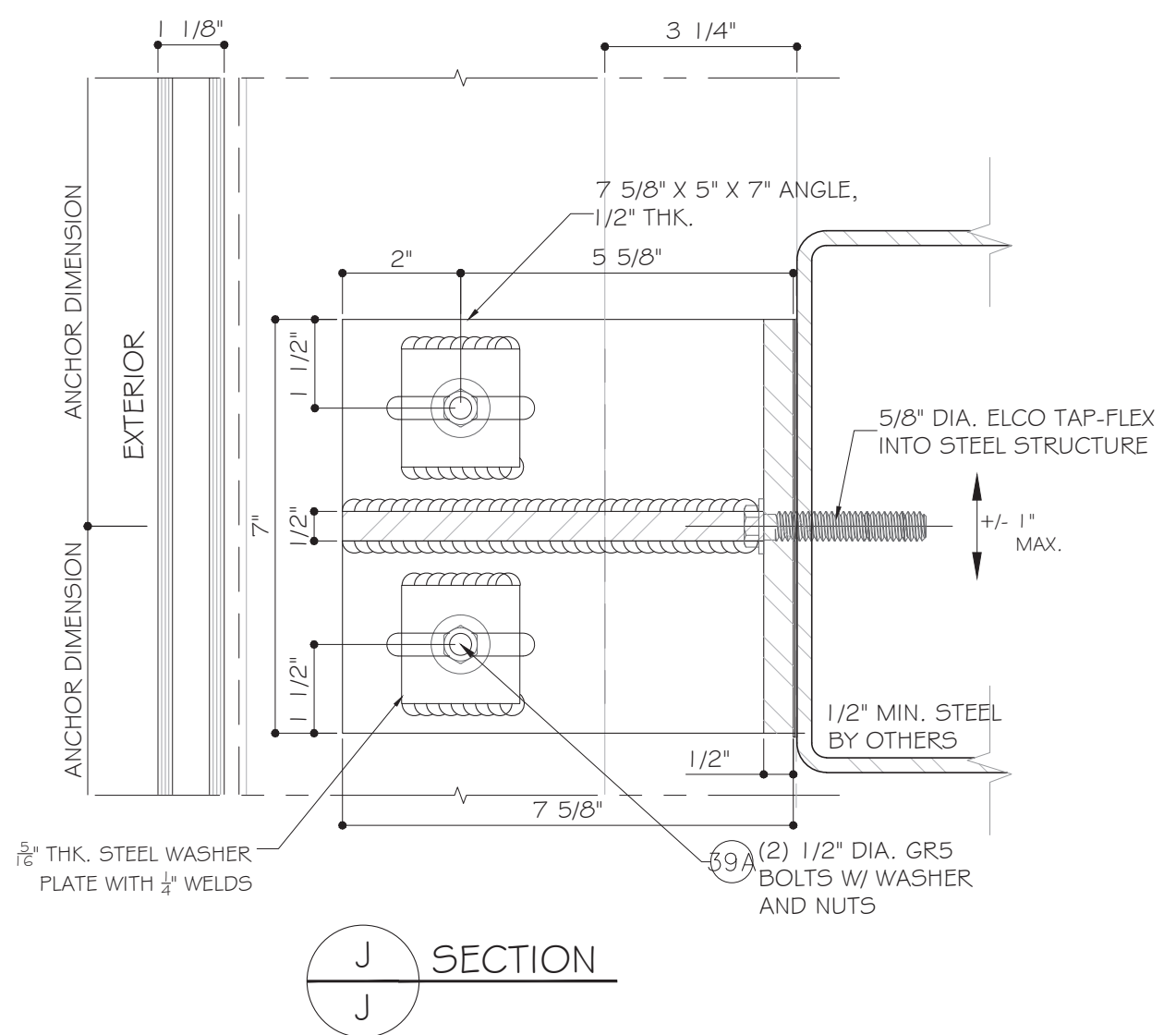
21 OF 31



U SECTION
D9

MAX. REACTIONS	
R _w	+/- 3500 #
R _d	800 #

R_w - WIND LOAD
R_d - DEAD LOAD



J SECTION

FLORIDA APPROVAL:
FL# 22516.1

Sep.27th, 2026

REVISIONS

NO.	DATE	DESCRIPTION
R2	06/25/25	FBC 2023
R3	09/27/2026	FBC 2026

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 MIRAMAR, FL 33027
 www.MCYEngineering.com mcy@mcyengineering.com

T850A CURTAIN WALL-NON IMPACT

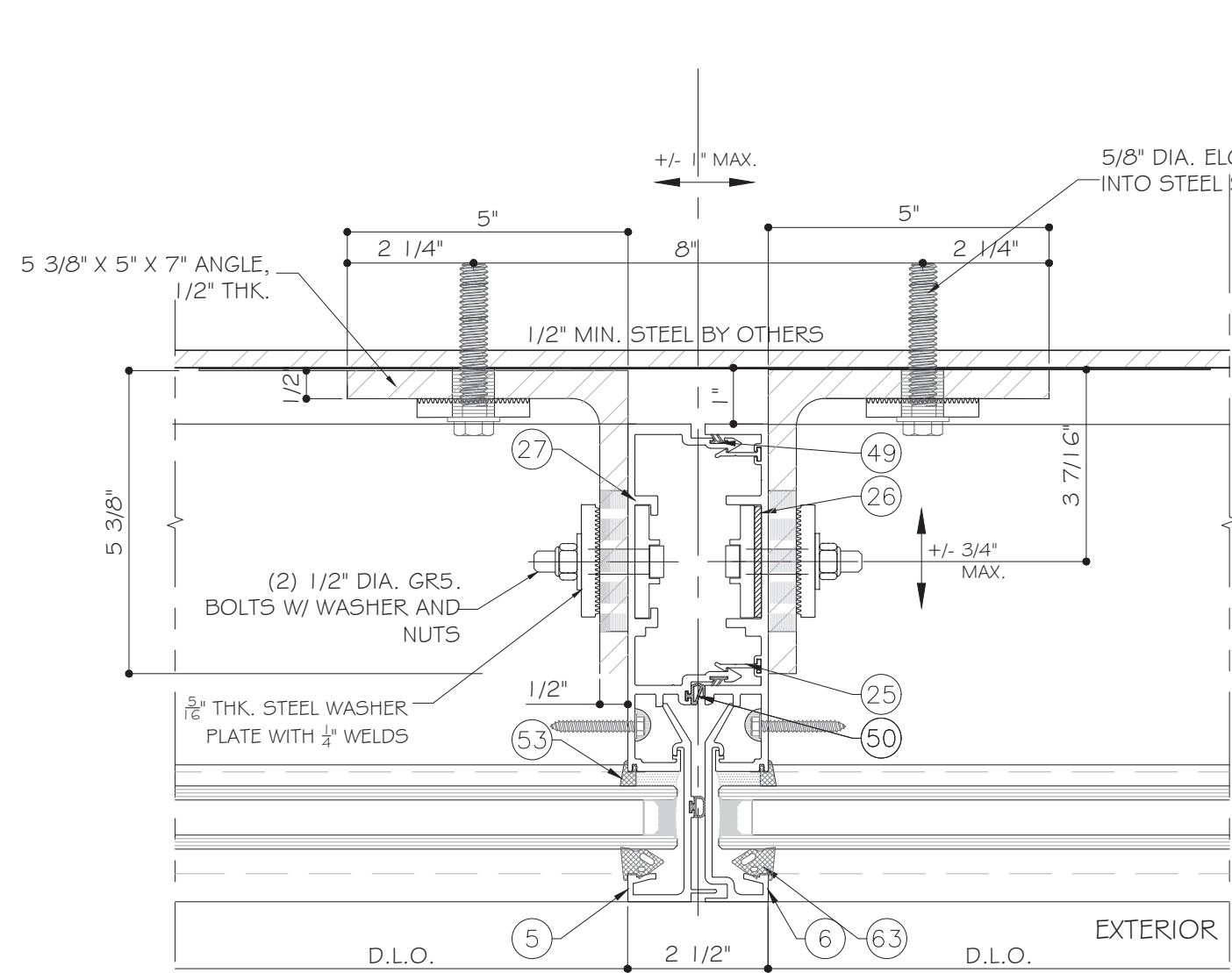
CT WINDOWS d.b.a. ARCHITECTURAL ALUMINUM TECHNIQUES
 9195 BOGGY CREEK RD. #1
 ORLANDO, FL 32824
 PH: (407)-857-9237

D9

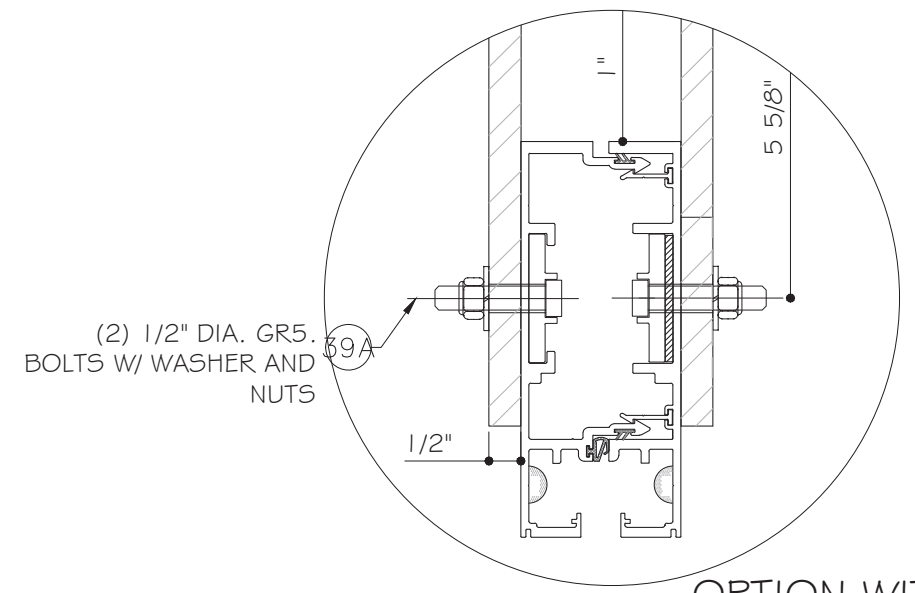
DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027

DRAWING NO.
AD17-12

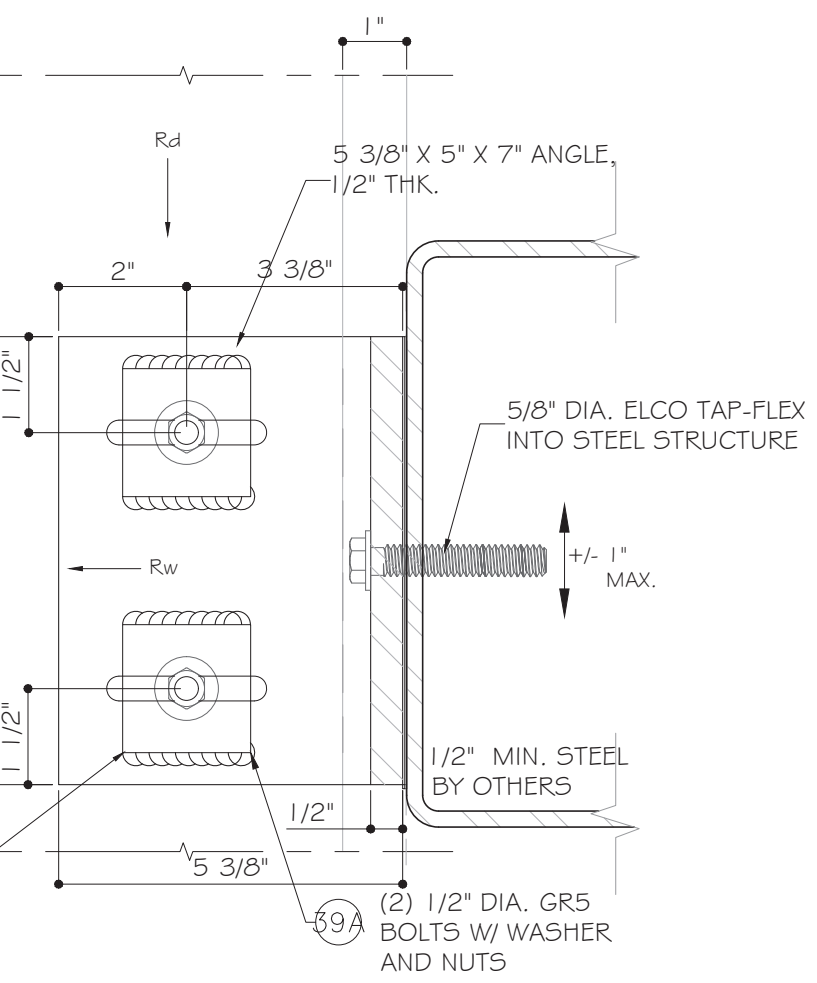
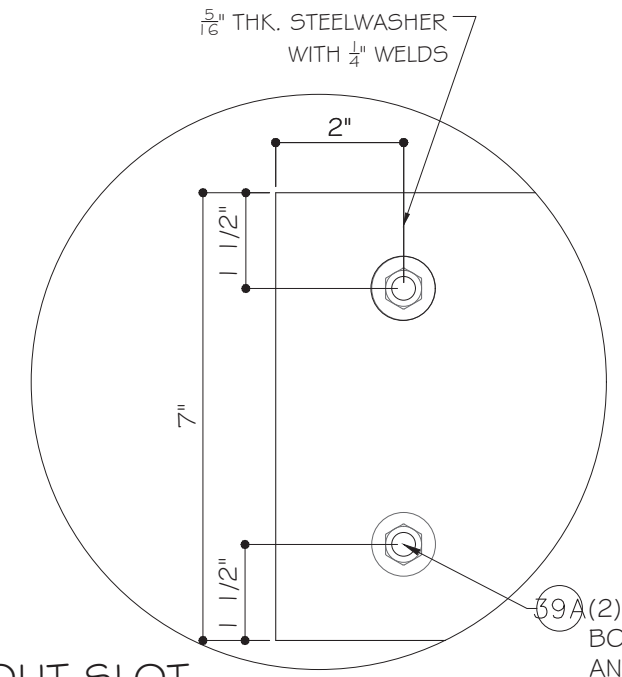
22 OF 31



U1 SECTION
D9.1



OPTION WITHOUT SLOT



J SECTION

MAX. REACTIONS	
R _w	+/- 3350 #
R _d	800 #

R_w - WIND LOAD
R_d - DEAD LOAD

FLORIDA APPROVAL:
FL# 22516.1

REVISIONS	
NO.	DESCRIPTION
R2	06/25/25 FBC 2023
R3	09/27/2026 FBC 2026

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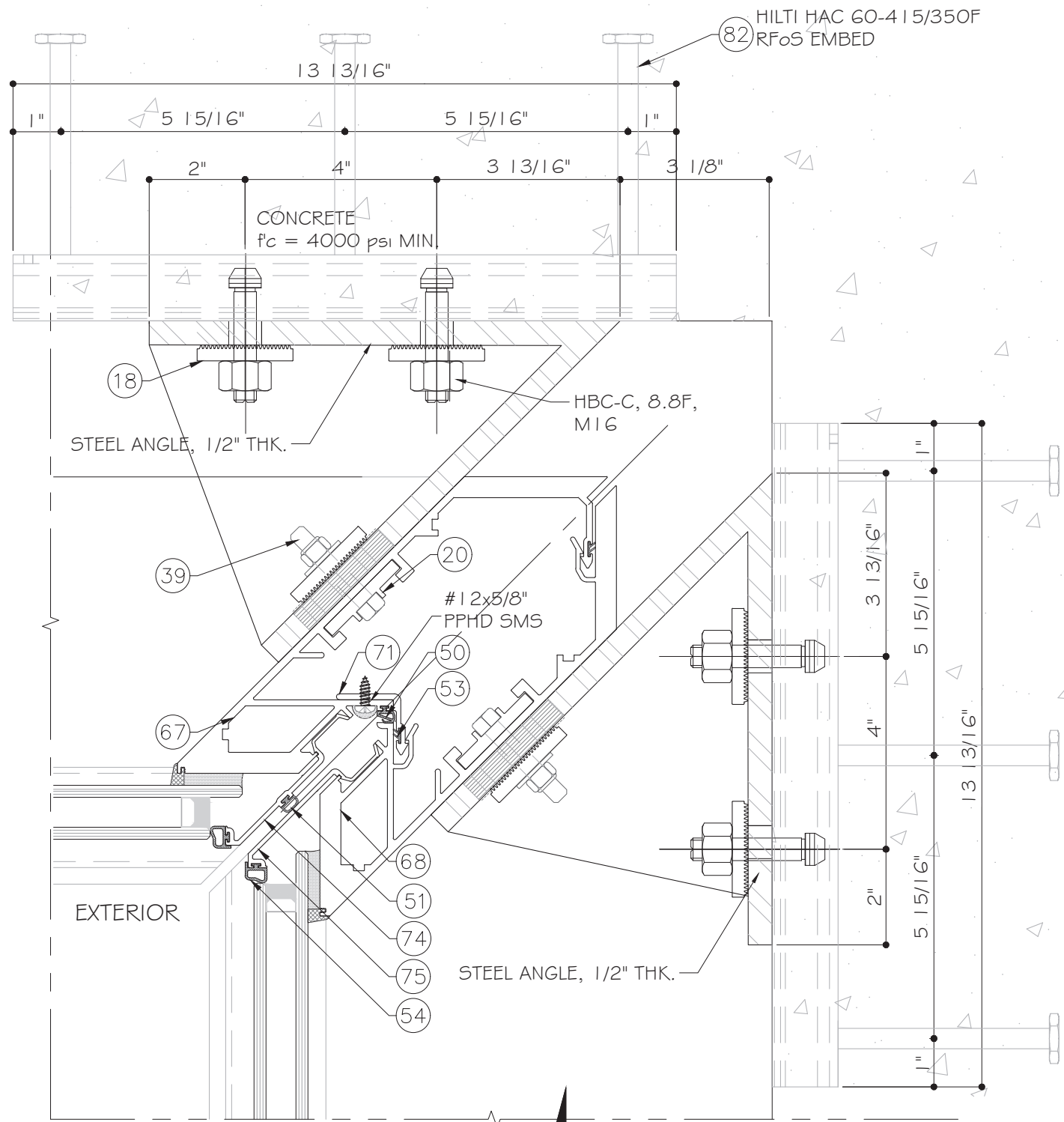
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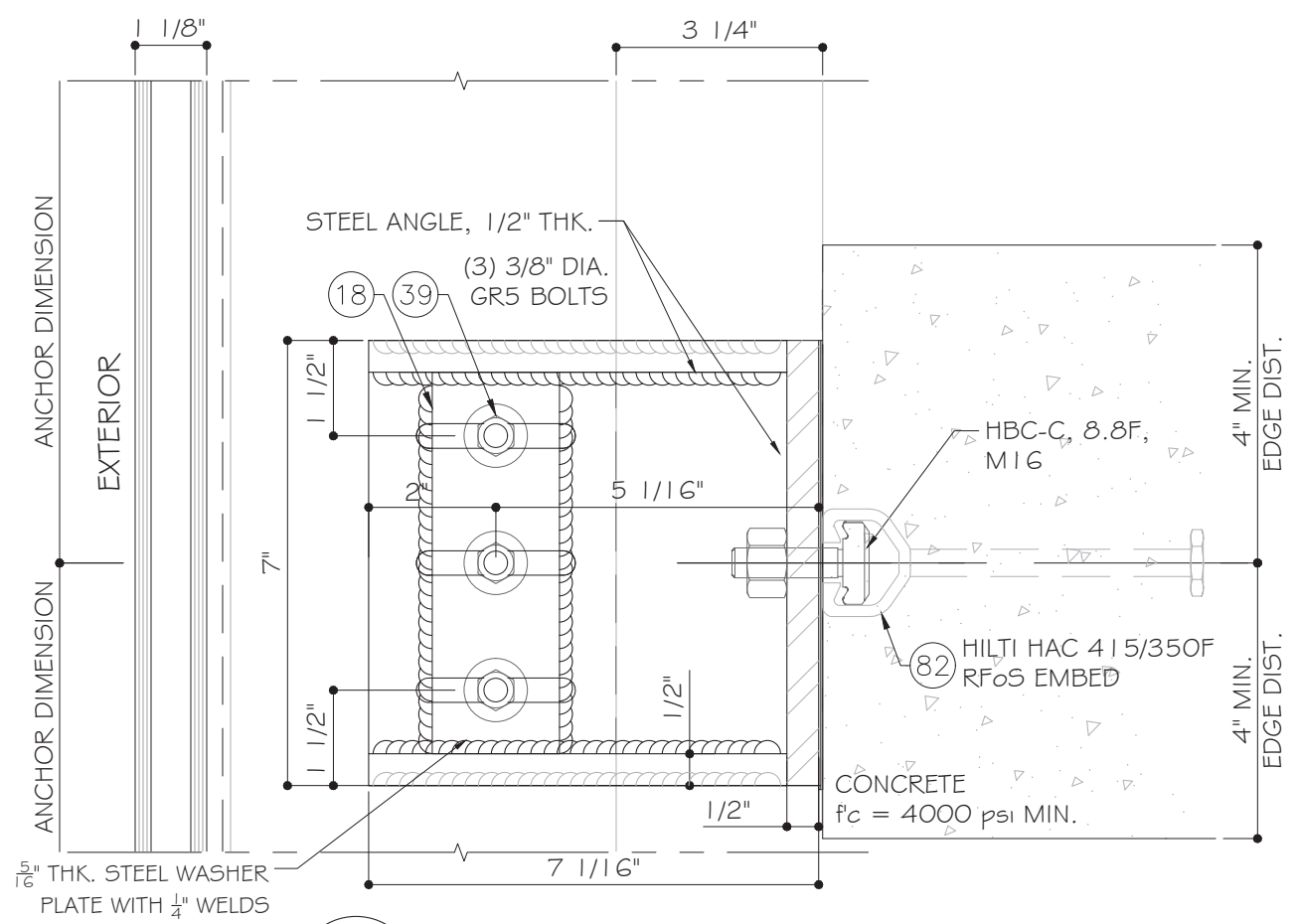
T850A CURTAIN WALL-NON IMPACT

CT WINDOWS d.b.a. ARCHITECTURAL ALUMINUM TECHNIQUES
9195 BOGGY CREEK RD. #1
ORLANDO, FL 32824
PH: (407)-857-9237

D9.1	
DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027
DRAWING NO. AD17-12	
23 OF 31	



S
D10
DETAIL
90° I.S. CORNER MULLION AT
FLOOR SLAB ANCHOR W/ HILTI
CUSTOM CORNER EMBED



K
K
SECTION
INTERMEDIATE ANCHOR
OPTION W/ HILTI EMBED

MAX. REACTIONS/SIDE	
R _w	+/- 3000 #
R _d	525 #

R_w - WIND LOAD
R_d - DEAD LOAD

FLORIDA APPROVAL:
FL# 22516.1

YIPING WANG
REGISTERED PROFESSIONAL ENGINEER
No. 55983
C.A.N. 33027

Sep.27th, 2026

NO.	DATE	DESCRIPTION
R2	06/25/25	FBC 2023
R3	09/27/2026	FBC 2026

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

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www.MCYEngineering.com mcy@mcyengineering.com

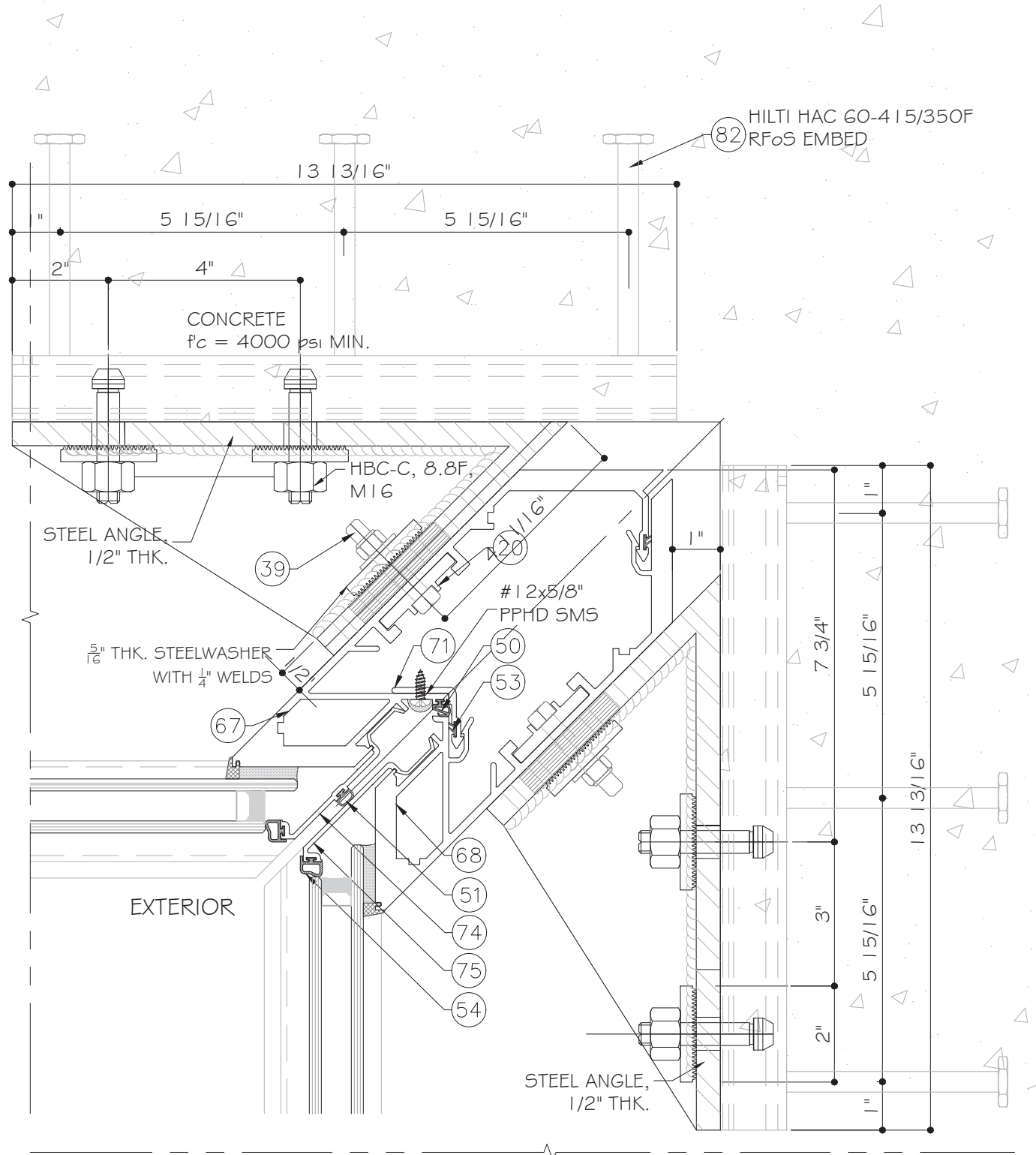
T850A CURTAIN WALL-NON IMPACT

CT WINDOWS d.b.a. ARCHITECTURAL ALUMINUM TECHNIQUES
9195 BOGGY CREEK RD. #1
ORLANDO, FL 32824
PH: (407)-857-9237

D10	
DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027

DRAWING NO.
AD17-12

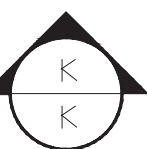
24 OF 31



SI
D10.1

DETAIL

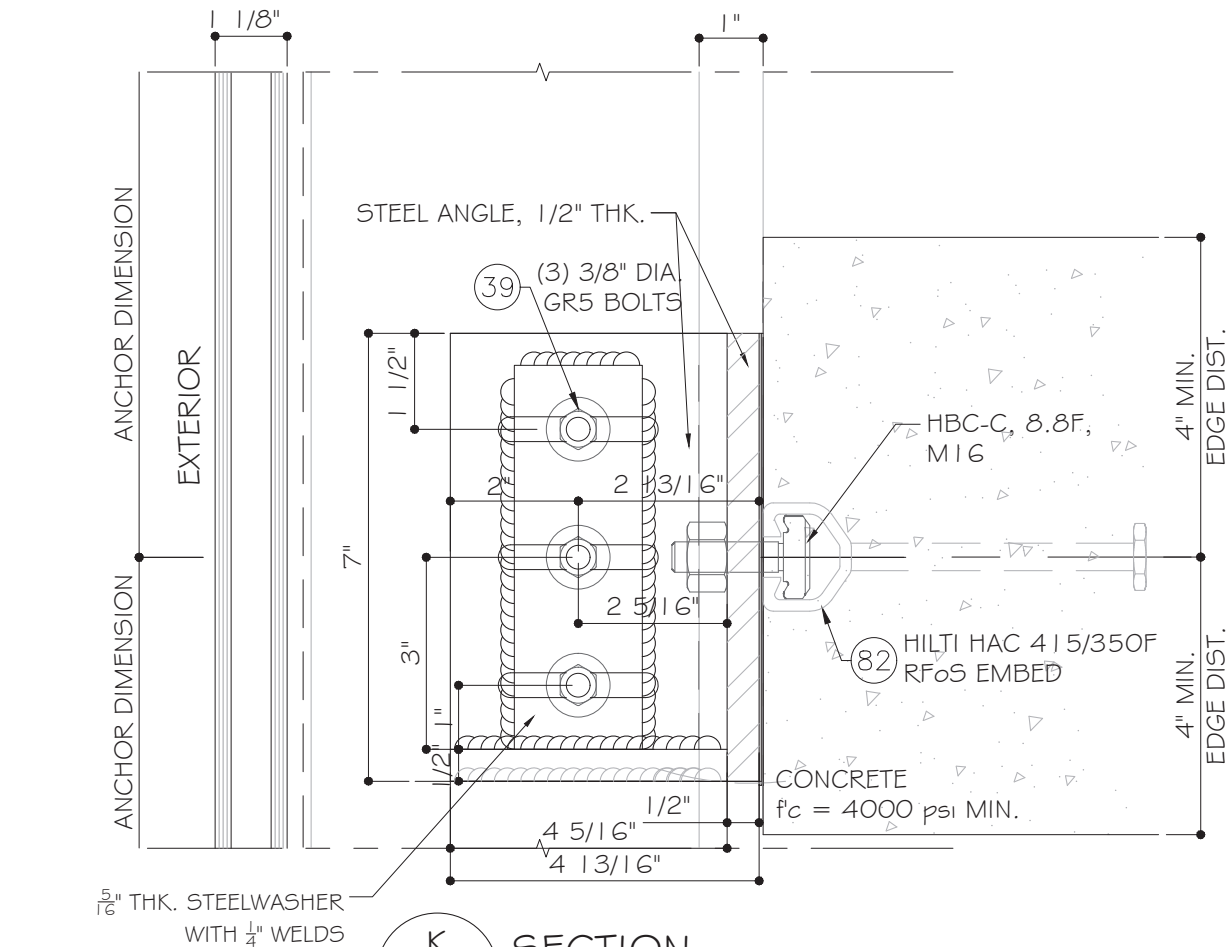
90° I.S. CORNER MULLION AT
FLOOR SLAB ANCHOR W/ HILTI
CUSTOM CORNER EMBED



MAX. REACTIONS/SIDE

R _w	+/- 2500 #
R _d	525 #

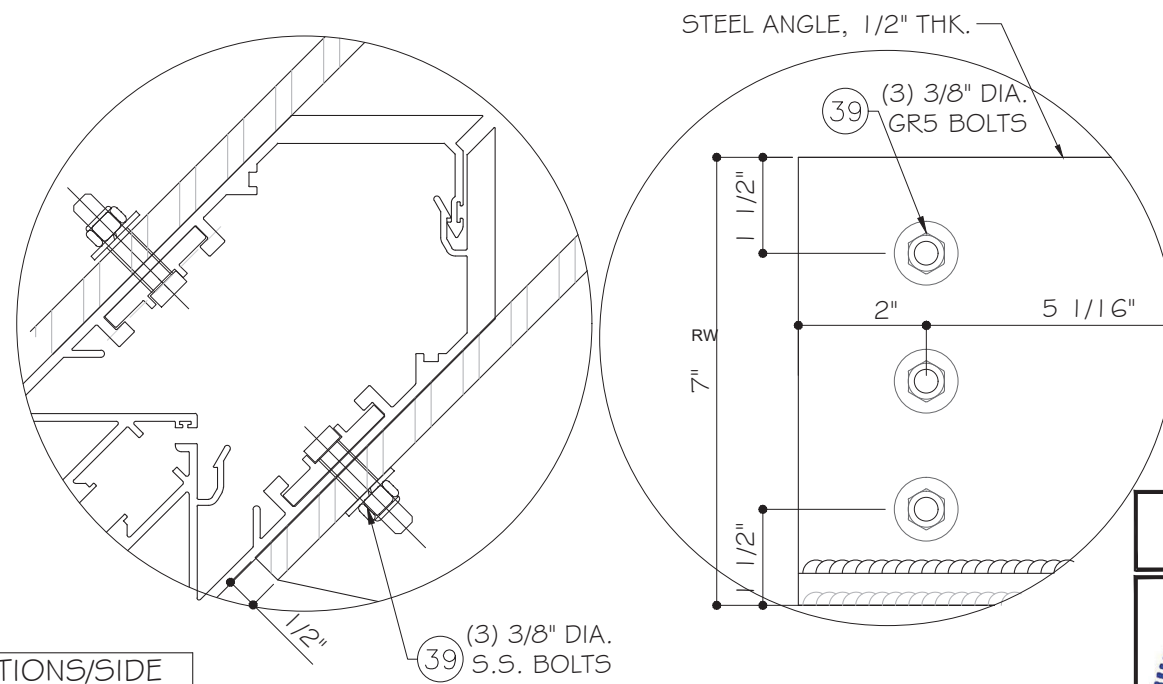
R_w - WIND LOAD
R_d - DEAD LOAD



K
K

SECTION

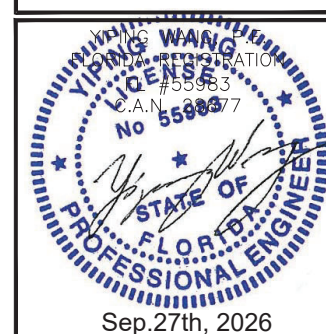
INTERMEDIATE ANCHOR
OPTION W/ HILTI EMBED



(3) 3/8" DIA.
S.S. BOLTS

OPTION WITHOUT SLOT

FLORIDA APPROVAL:
FL# 22516.1

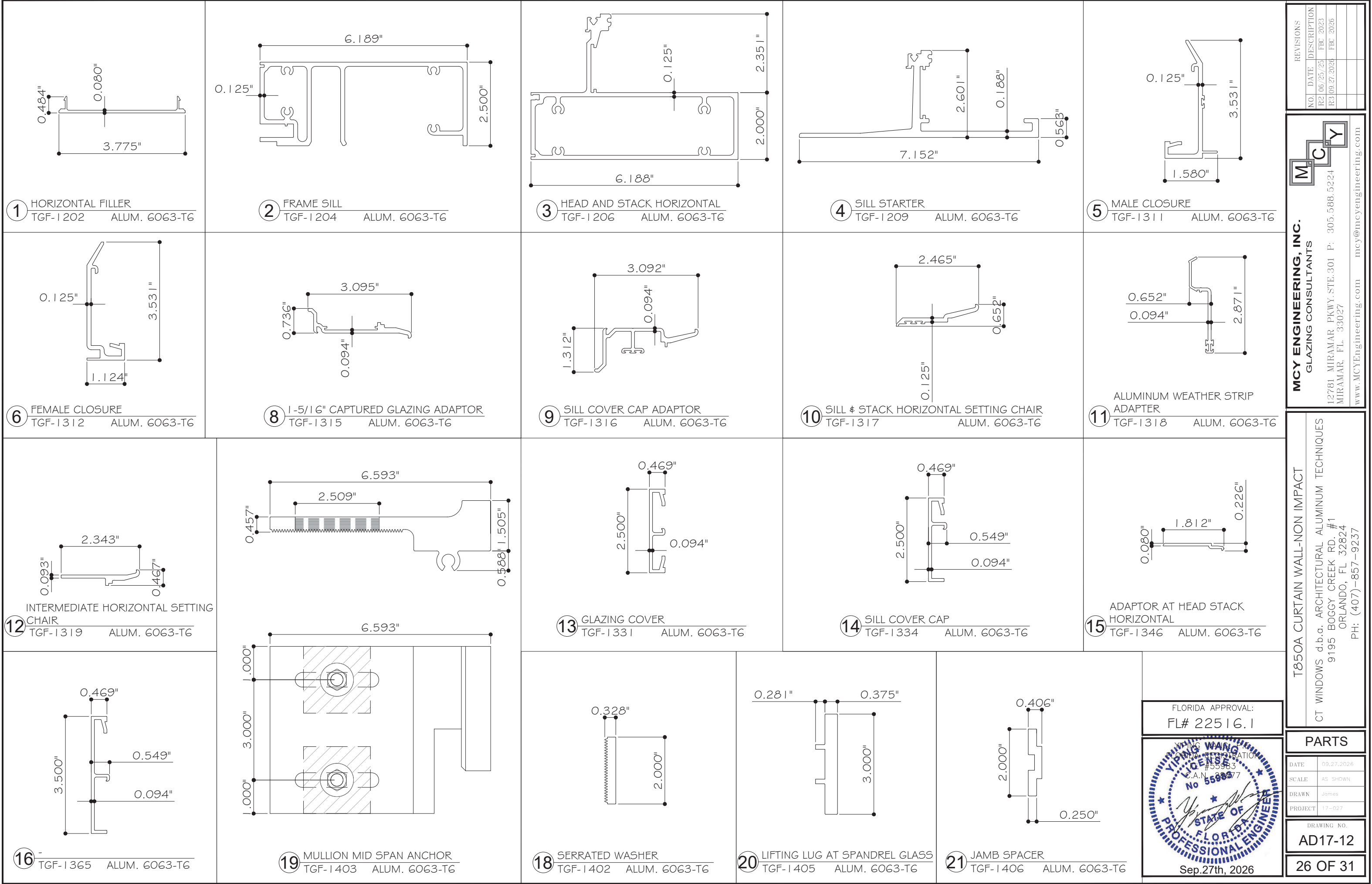


NO.	DATE	DESCRIPTION
R2	06/25/25	FBC 2023
R3	09/27/2026	FBC 2026

MCY ENGINEERING, INC.
GLAZING CONSULTANTS
12781 MIRAMAR PKWY. STE. 301 P: 305.588.5224
MIRAMAR, FL 33027
www.MCYEngineering.com mcy@mcyengineering.com

T850A CURTAIN WALL-NON IMPACT
CT WINDOWS d.b.a. ARCHITECTURAL ALUMINUM TECHNIQUES
9195 BOGGY CREEK RD. #1
ORLANDO, FL 32824
PH: (407)-857-9237

DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027
DRAWING NO.	AD17-12
25 OF 31	



FLORIDA APPROVAL:
FL# 22516.1

YIPING WANG

REGISTERED PROFESSIONAL ENGINEER

FLORIDA

No 55983

SEP 27 2026

Sep.27th, 2026

PARTS

DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027

DRAWING NO.
AD17-12

26 OF 31

17 J HOOK ANCHOR
TGF-1401 ALUM. 6063-T6

22 MULLION LUG
TGF-1411 ALUM. 6063-T6

23 SERRATED ANCHOR
TGF-1412 ALUM. 6063-T6

25 MULLION CLIP
CTW-1117 ALUM. 6063-T6

26 FRAME JAMB /
FEMALE VERTICAL MULLON
CTW-1124 ALUM. 6063-T6

27 FRAME JAMB /
MALE VERTICAL MULLION
CTW-1123 ALUM. 6063-T6

28 FRAME HEAD / HORIZONTAL MULLION
CTW-1221 ALUM. 6063-T6

30 ALUMINUM FRAME FILLER
CTW-1350 ALUM. 6063-T6

31 VERTICAL DRY GASKET ADAPTER
CTW-1360 ALUM. 6063-T6

33 DOWSIL 123 SILICONE
WATER BARRIER
DC123 SILICONE

REVISEMENTS

NO.	DATE	DESCRIPTION
R2	06/25/25	FBC 2023
R3	09/27/2026	FBC 2026

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ORLANDO, FL 32824
PH: (407)-857-9237

FLORIDA APPROVAL:
FL# 22516.1

YIPING WANG
Professional Engineer
No. 55983
C.A.N. 3337

Sep.27th, 2026

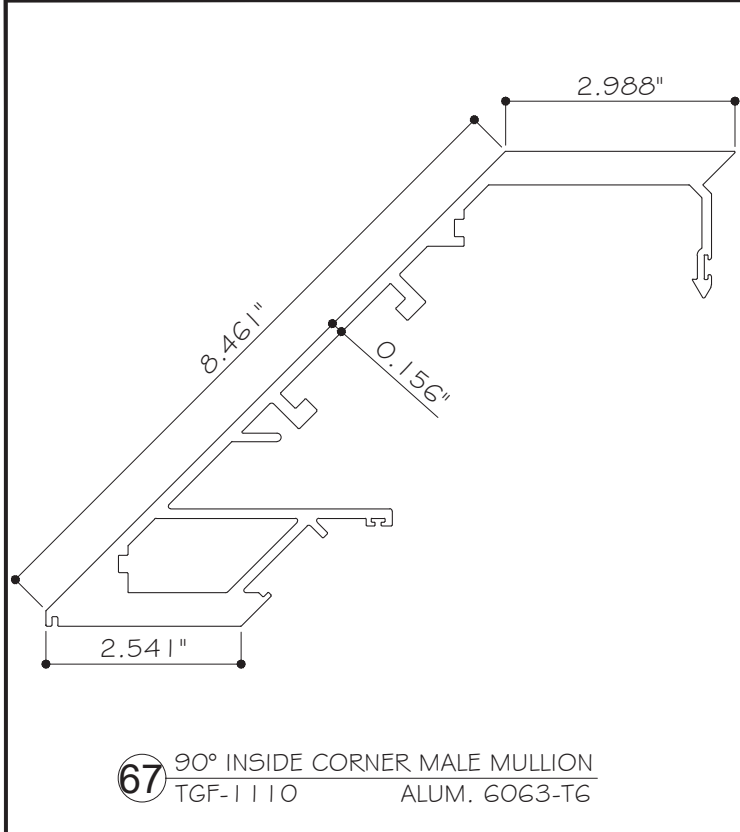
PARTS

DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027

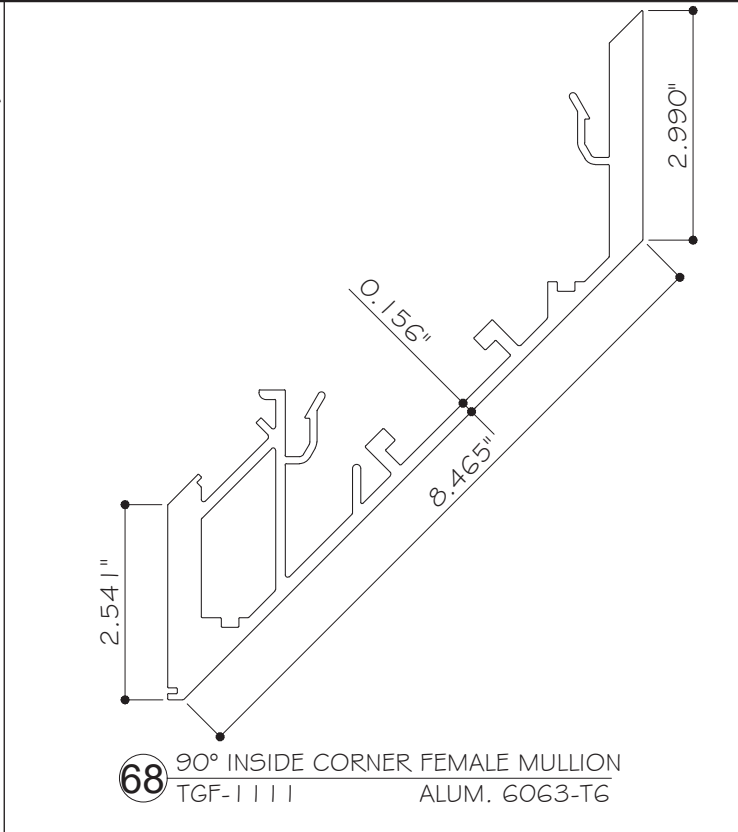
DRAWING NO.

AD17-12

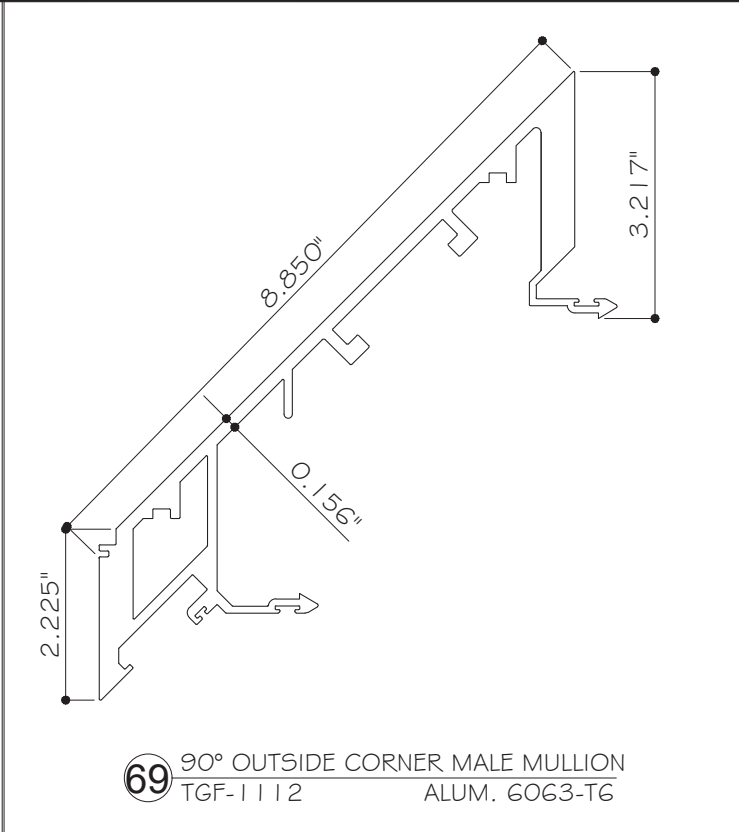
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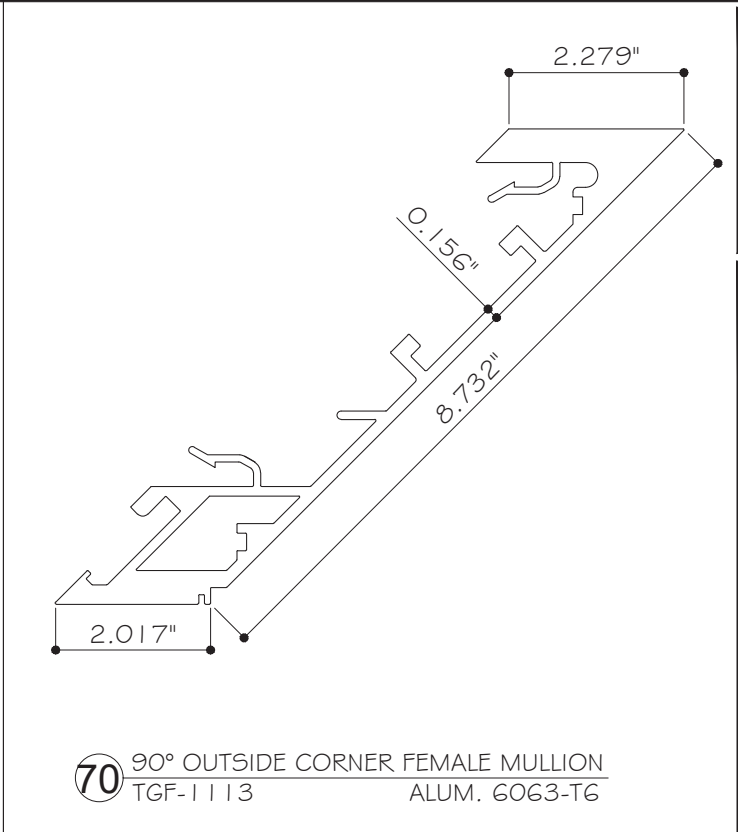
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TGF-1110 ALUM. 6063-T6



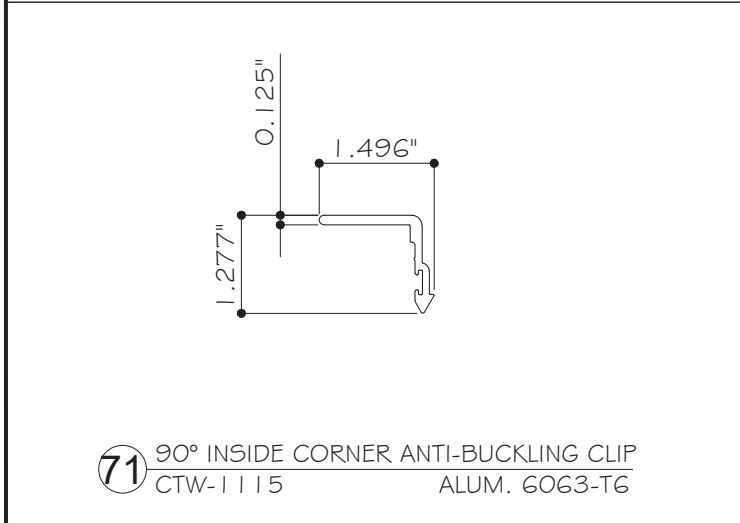
68 90° INSIDE CORNER FEMALE MULLION
TGF-1111 ALUM. 6063-T6



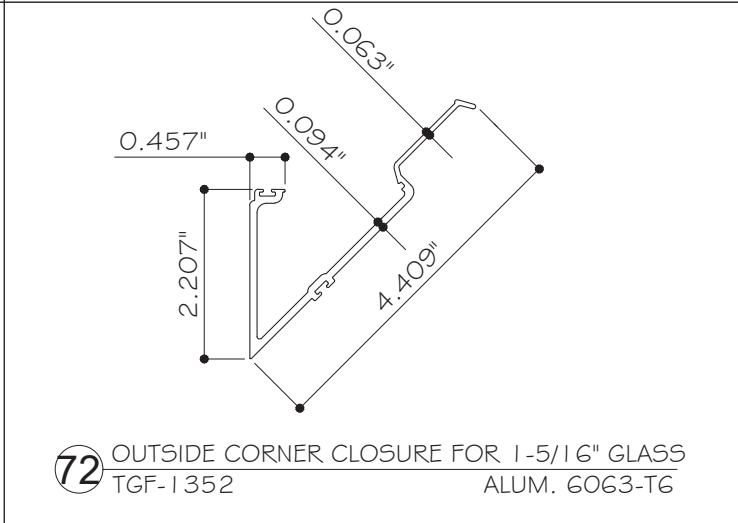
69 90° OUTSIDE CORNER MALE MULLION
TGF-1112 ALUM. 6063-T6



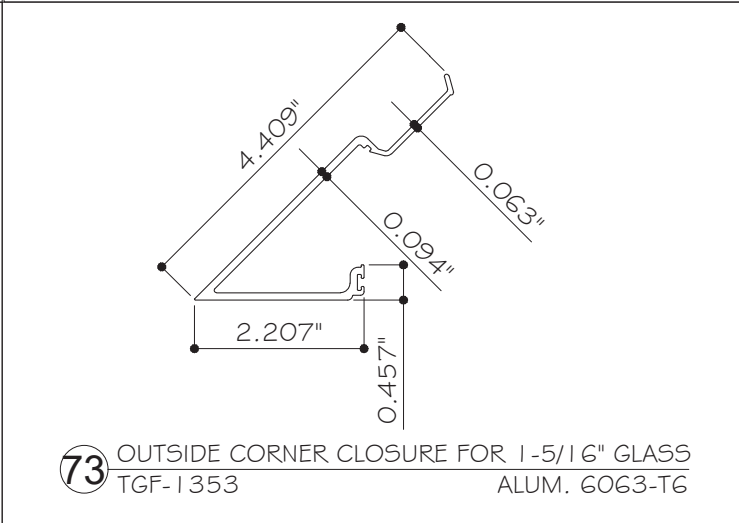
70 90° OUTSIDE CORNER FEMALE MULLION
TGF-1113 ALUM. 6063-T6



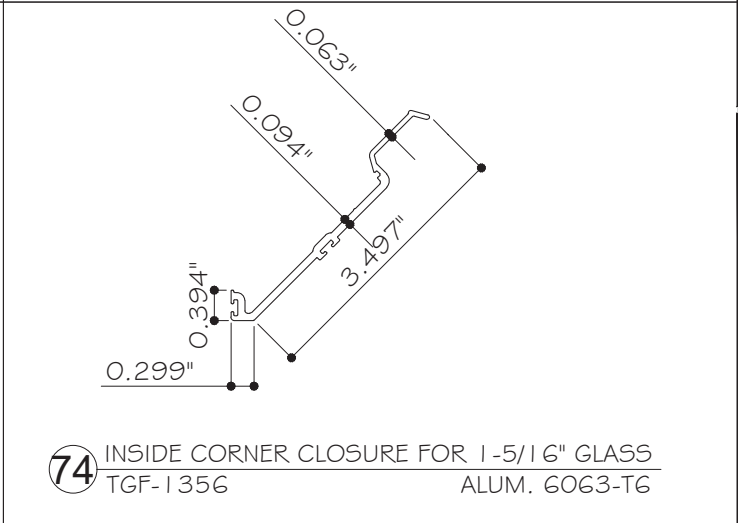
71 90° INSIDE CORNER ANTI-BUCKLING CLIP
CTW-1115 ALUM. 6063-T6



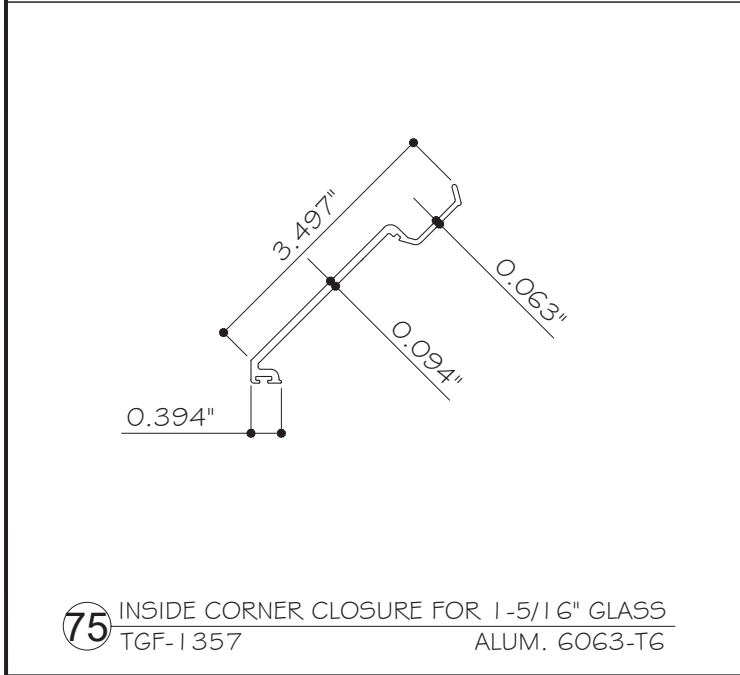
72 OUTSIDE CORNER CLOSURE FOR 1-5/16" GLASS
TGF-1352 ALUM. 6063-T6



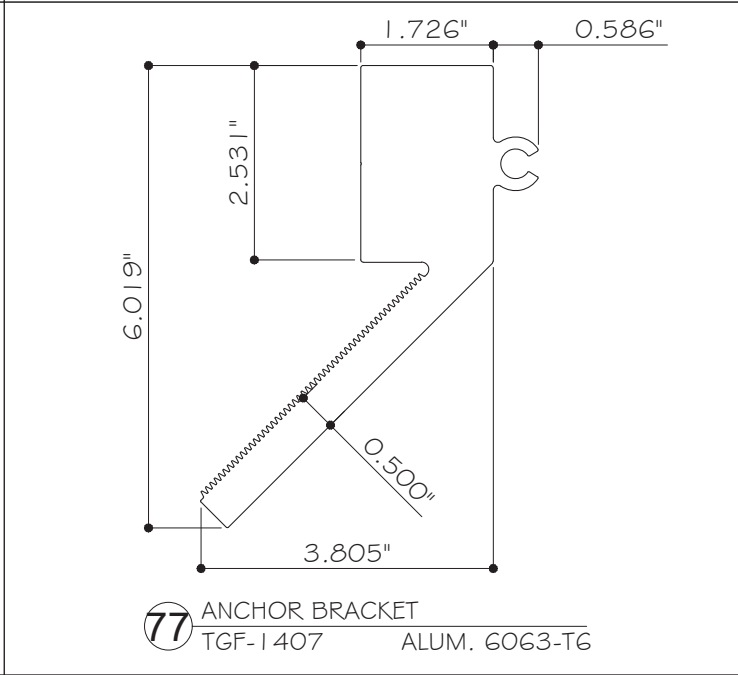
73 OUTSIDE CORNER CLOSURE FOR 1-5/16" GLASS
TGF-1353 ALUM. 6063-T6



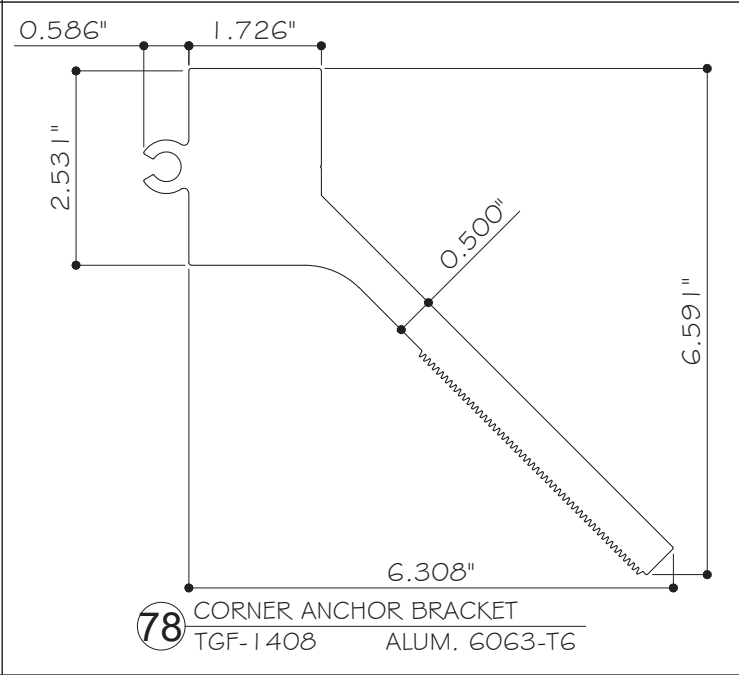
74 INSIDE CORNER CLOSURE FOR 1-5/16" GLASS
TGF-1356 ALUM. 6063-T6



75 INSIDE CORNER CLOSURE FOR 1-5/16" GLASS
TGF-1357 ALUM. 6063-T6



77 ANCHOR BRACKET
TGF-1407 ALUM. 6063-T6



78 CORNER ANCHOR BRACKET
TGF-1408 ALUM. 6063-T6

FLORIDA APPROVAL:
FL# 22516.1

REVISONS

NO.	DATE	DESCRIPTION
R2	06/25/25	FBC 2023
R3	09/27/2026	FBC 2026

MCY

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

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MIRAMAR, FL 33027
www.MCYEngineering.com mcy@mcyengineering.com

T850A CURTAIN WALL-NON IMPACT

CT WINDOWS d.b.a. ARCHITECTURAL ALUMINUM TECHNIQUES
9195 BOGGY CREEK RD. #1
ORLANDO, FL 32824
PH: (407)-857-9237

PARTS

DATE	09.27.2026
SCALE	AS SHOWN
DRAWN	James
PROJECT	17-027

DRAWING NO.

AD17-12

28 OF 31

BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	REMARKS
1	TGF-1202	HORIZONTAL FILLER AT HEAD AND INTERMEDIATE	ALUM. 6063-T6	BONNELL
2	TGF-1204	FRAME SILL	ALUM. 6063-T6	BONNELL
3	TGF-1206	HEAD AND STACK HORIZONTAL	ALUM. 6063-T6	BONNELL
4	TGF-1209	SILL STARTER, NOTCH 4" LG. AT MIDSPAN OF D.L.O.	ALUM. 6063-T6	BONNELL
5	TGF-1311	MALE CLOSURE	ALUM. 6063-T6	BONNELL
6	TGF-1312	FEMALE CLOSURE	ALUM. 6063-T6	BONNELL
7	TGF-1313	HEAD AND INTER. HORIZONTAL COVER CAP ADAPTOR	ALUM. 6063-T6	BONNELL
8	TGF-1315	1-5/16" CAPTURED GLAZING ADAPTOR	ALUM. 6063-T6	BONNELL
9	TGF-1316	SILL COVER CAP ADAPTOR	ALUM. 6063-T6	BONNELL
10	TGF-1317	SILL & STACK HORIZONTAL SETTING CHAIR	ALUM. 6063-T6	BONNELL
11	TGF-1318	ALUMINUM WEATHER STRIP ADAPTOR	ALUM. 6063-T6	BONNELL
12	TGF-1319	INTERMEDIATE HORIZONTAL SETTING CHAIR	ALUM. 6063-T6	BONNELL
13	TGF-1331	GLAZING COVER	ALUM. 6063-T6	BONNELL
14	TGF-1334	SILL COVER CAP	ALUM. 6063-T6	BONNELL
15	TGF-1346	ADAPTOR AT HEAD STACK HORIZONTAL	ALUM. 6063-T6	BONNELL
16	TGF-1365	-	-	-
17	TGF-1401	J-HOOK ANCHOR	ALUM. 6005-T5	BONNELL
18	TGF-1402	SERRATED WASHER, 2" LG.	ALUM. 6005-T5	BONNELL
19	TGF-1403	MULLION MID SPAN ANCHOR	ALUM. 6005-T5	BONNELL
20	TGF-1405	LIFTING LUG AT SPANDREL GLASS	ALUM. 6005-T5	BONNELL
21	TGF-1406	JAMB SPACER	ALUM. 6005-T5	BONNELL
22	TGF-1411	MULLION LUG, 2-1/8" LG. INSIDE MULLION	ALUM. 6005A-T5	BONNELL
23	TGF-1412	SERRATED ANCHOR, 8" LG. AT EACH SIDE OF MULLION	ALUM. 6005A-T5	BONNELL
24	CTW-1114	ANTI-BUCKLING CLIP, 4" LG.	ALUM. 6005A-T5	BONNELL
25	CTW-1117	MULLION CLIP	ALUM. 6063-T5	BONNELL
26	CTW-1124	FRAME JAMB / FEMALE VERTICAL MULLION	ALUM. 6063-T6	MI METALS, INC.
27	CTW-1123	FRAME JAMB / MALE VERTICAL MULLION	ALUM. 6063-T6	MI METALS, INC.
28	CTW-1221	FRAME HEAD / HORIZONTAL MULLION	ALUM. 6063-T6	MI METALS, INC.
29	CTW-1350	ALUMINUM FRAME FILLER	ALUM. 6063-T6	BONNELL
30	CTW-1352	MULLION FILLER REINFORCEMENT	ALUM. 6063-T6	BONNELL
31	CTW-1360	VERTICAL DRY GASKET ADAPTER	ALUM. 6063-T6	BONNELL
32	SB-1	SETTING BLOCK. 6" LG. (2) PER D.L.O. AT 1/8 POINTS	EPDM 70 DURO	TREMCO
33	123	WATER BARRIER	-	DOWSIL
34	FS-1	#12-14 X 1-1/2" HWH SMS	ZINC PLATED STEEL	-
35	FB1	BAFFLE	EPDM 70 DURO	TREMCO
36	FB2	BAFFLE	EPDM 70 DURO	TREMCO
37	F1	#12-14x1-500 HWH SMS	ZINC PLATED STEEL	VARIES
38	F5	#12-14x0-750 HWH SMS	ZINC PLATED STEEL	VARIES
39	F10	3/8" DIA. GRD BOLT W/WASHER & NUTS	GR5 STL	-
39A	F10A	1/2" DIA. GR5 BOLT, W/WASHER & NUTS	GR5 STL	VARIES

REVISEMENTS

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MCY

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

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T850A CURTAIN WALL-NON IMPACT

CT WINDOWS d.b.a. ARCHITECTURAL ALUMINUM TECHNIQUES
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ORLANDO, FL 32824
PH: (407)-857-9237

FLORIDA APPROVAL:
FL# 22516.1

YIPING WANG
LICENSED PROFESSIONAL ENGINEER
#55983
C.A.N. 3397

Sep.27th, 2026

BOM

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BILL OF MATERIALS (CONT.)					
ITEM	PART	DESCRIPTION	MATERIAL	REMARKS	
40	F11	5/8"-11 X 2-1/2" TAP-TITE BOLTS, (2) PER CLIP	ZINC PLATED STEEL	VARIES	
41	F14	3/8" X 1-3/4" FH BOLT W/ FLAT WASHER AND LOCK NUT	ZINC PLATED STEEL	VARIES	
42	F25	1/4" X 1" HEX HEAD THRU BOLT W/ WASHER AND LOCK NUT	ZINC PLATED STEEL	VARIES	
43	F27	#14 x 2" LG. HWH SDS	ZINC PLATED STEEL	VARIES	
44	-	SPACER	ALUMINUM	ALL METAL, INC.	
45	-	2" X 2" X 1/4" THK. ALUM. ANGLE. (3-3/4" LG. AT BOTH SIDES OF MULLION)	ALUMINUM	HALL METALS	
46	AP1	END DAM	METAL	C.T. WINDOWS	
47	AP2	END DAM AT DOOR JAMB	METAL	C.T. WINDOWS	
48	AP6	GUTTER SPLICE PLATE	METAL	C.T. WINDOWS	
49	G1	PRESET WIPER GASKET	EPDM 70 DURO	TREMCO	
50	G2	PRESET AIR SEAL BULB GASKET	EPDM 70 DURO	TREMCO	
51	G3	PRESET RUN SCREEN GASKET	EPDM 70 DURO	TREMCO	
51B	G3B	GASKET	EPDM 70 DURO	TREMCO	
52	G4	GASKET	EPDM 70 DURO	TREMCO	
53	TR-5796	GASKET	EPDM 70 DURO	TREMCO	
54	G6	PRESET GLASS EDGE BULB GASKET	EPDM 70 DURO	TREMCO	
55	G7	PRESET AIR SEAL WIPE GASKET	EPDM 70 DURO	TREMCO	
56	G8	ACCORDION RAIN SCREEN GASKET	EPDM 60 DURO	TREMCO	
57	S1	DOWSIL 983 OR PROGLAZE II + BASE	SILICONE	DOWSIL/TREMCO	
58	S2	DOWSIL 795 OR SPECTRUM 2	SILICONE	DOWSIL/TREMCO	
59	S3	DOWSIL 791 OR SPECTRUM 1	SILICONE	DOWSIL/TREMCO	
60	S4	DOWSIL 795 OR SPECTRUM 2	SILICONE	DOWSIL/TREMCO	
61	I62335	PRESSURE PLATE	ALUM. 6063-T6	KAWNEER	
62	AP-8	0.125" X 113/16" ALUM. PLATE (J HOOK SPLICE PLATE)	ALUM. 6063-T5	TRAINOR	
63	TR-893E	GASKET	60 DUROMETER	TREMCO	
64	P1	PLASTIC ISOLATOR, CONTINUOUS	PLASTIC	VARIES	
65	R1	4" X 120" X 5/16" THICK STEEL FLAT BAR	STEEL	VARIES	
66	R2	4" X 120" X 1/2" THICK STEEL FLAT BAR	STEEL	VARIES	
67	TGF-1110	90° INSIDE CORNER MALE MULLION	ALUM. 6063-T6	TRAINOR	
68	TGF-1111	90° INSIDE CORNER FEMALE MULLION	ALUM. 6063-T6	TRAINOR	
69	TGF-1112	90° OUTSIDE CORNER MALE MULLION	ALUM. 6063-T6	TRAINOR	
70	TGF-1113	90° OUTSIDE CORNER FEMALE MULLION	ALUM. 6063-T6	TRAINOR	
71	TGF-1115	90° INSIDE CORNER ANTI-BUCKLING CLIP	ALUM. 6063-T6	TRAINOR	
72	TGF-1352	OUTSIDE CORNER CLOSURE FOR 1-5/16" GLASS	ALUM. 6063-T6	TRAINOR	
73	TGF-1353	OUTSIDE CORNER CLOSURE FOR 1-5/16" GLASS	ALUM. 6063-T6	TRAINOR	
74	TGF-1356	INSIDE CORNER CLOSURE FOR 1-5/16" GLASS	ALUM. 6063-T6	TRAINOR	
75	TGF-1357	INSIDE CORNER CLOSURE FOR 1-5/16" GLASS	ALUM. 6063-T6	TRAINOR	
76	TGF-1404	COVER	ALUM. 6005-T5	TRAINOR	
77	TGF-1407	ANCHOR BRACKET	ALUM. 6005A-T5	TRAINOR	
78	TGF-1408	CORNER ANCHOR BRACKET	ALUM. 6005A-T5	TRAINOR	
79	TGF-1103	EXTRUSION, 6" LG. W/ (3) 7/16" X 2-1/2"	-	TRAINOR	
80	-	HALFEN HT6518 EMBED W/ 5234HTA CHANNEL	GALVANIZED STEEL	HALFEN	
81	-	HALFEN HT6112 EMBED W/ 5234HTA CHANNEL	GALVANIZED STEEL	HALFEN	
82	-	HILTI HAC-60 415/350F RFoS OR HILTI HAC-60 415/350F CRFoS	GALVANIZED STEEL	HILTI	
83	-	HILTI HAC-60 415/300F RFoS	GALVANIZED STEEL	HILTI	
84	-	HILTI HAC-60 395/350F CRFoS	GALVANIZED STEEL	HILTI	
85	-	HILTI HAC-60 415/450F RFoS	GALVANIZED STEEL	HILTI	

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M.C.Y.

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YIPING WANG

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YIPING WANG

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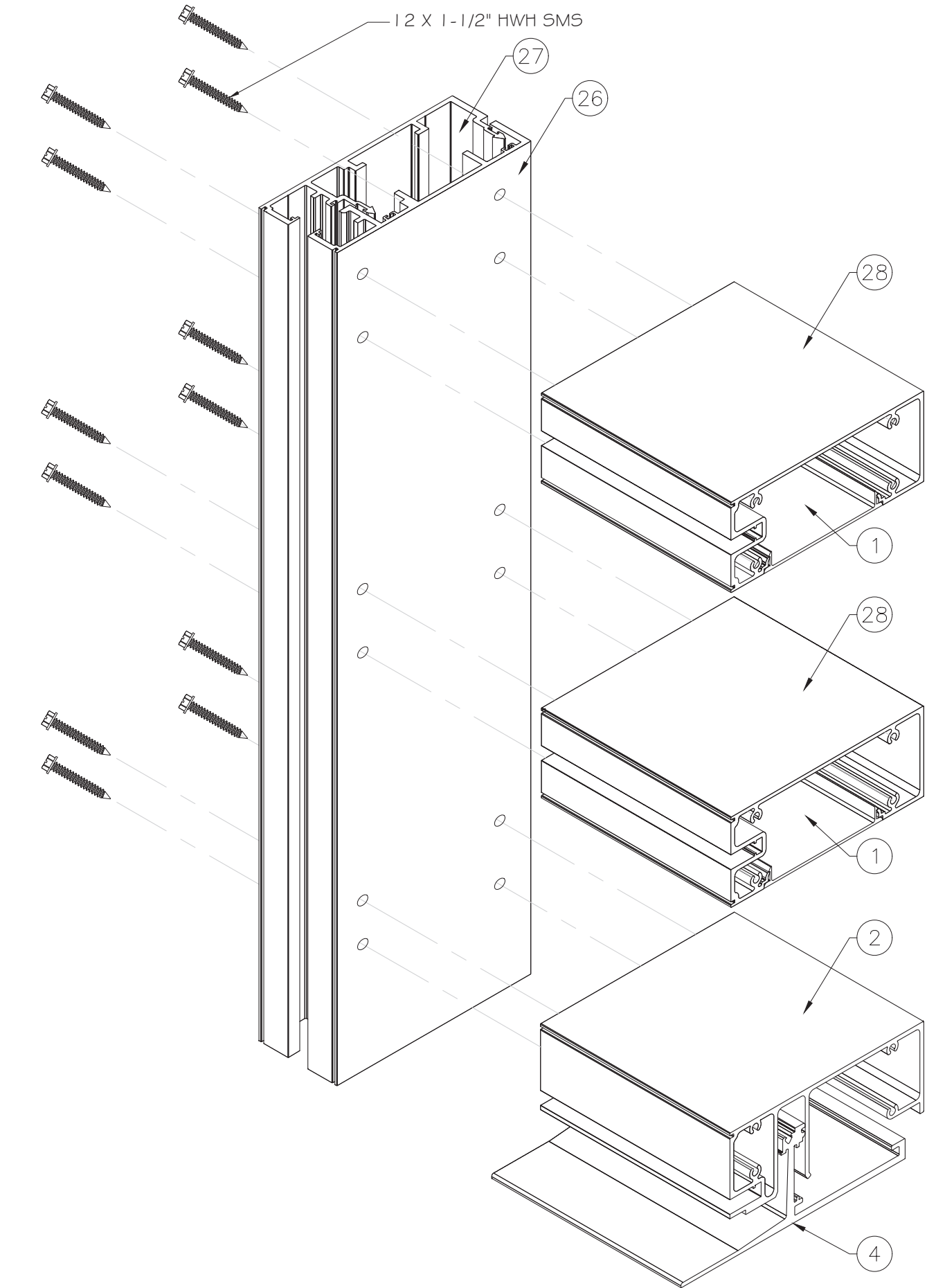
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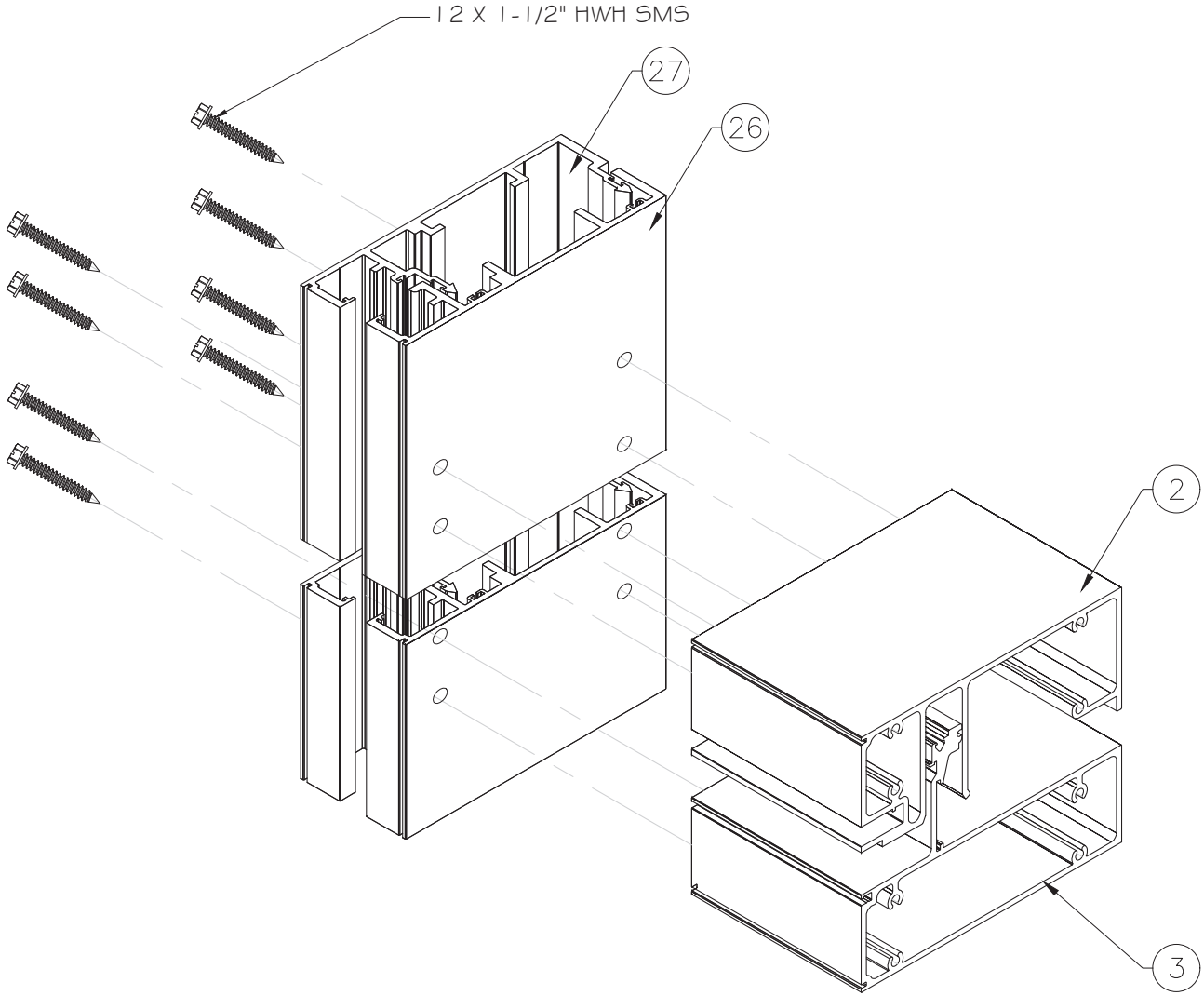
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HORIZONTAL TO VERTICAL ASSEMBLY



STACK HORIZONTAL ASSEMBLY

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