

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 7TH EDITION FLORIDA BUILDING CODE 2020/ 8TH EDITION FLORIDA BUILDING CODE 2023 INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOWS RATED FOR LARGE AND SMALL MISSILE IMPACT. IMPACT SHUTTERS ARE NOT REQUIRED.
- THESE WINDOWS ARE APPROVED FOR AIR AND WATER INFILTRATION.
- ANCHORS SHALL BE AS LISTED, SPACED AS SHOWN ON DETAILS. ANCHORS EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO.
- ANCHORING OR LOADING CONDITIONS NOT SHOWN IN THESE DETAILS ARE NOT PART OF THIS APPROVAL.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF 2020/ 2023 FLORIDA BUILDING CODE SECTION AS APPLICABLE.
- METAL STRUCTURES NOT BY GLOBAL PERFORMANCE WINDOWS TO BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.
- ULTIMATE LOAD OBTAINED FROM ASCE 7-16/ ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.
- MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE LABELING TO COMPLY WITH SECTION 1709.9.2.

ABBREVIATIONS AND SYMBOLS	
D.L.O. - DAYLITE OPENING	☿ - CENTER LINE
F.H. - FRAME HEIGHT	S.S. - STAINLESS STEEL
F.W. - FRAME WIDTH	H.S. - HEAT STRENGTHENED
LG. - LONG	SSG - STRUCTURAL SILICONE
STL. - STEEL	GLAZED
ALUM. - ALUMINUM	TEMP. - TEMPERED
MULL. - MULLION	O.C. - ON CENTER
HORIZ. - HORIZONTAL	SECTION NUMBER
W/ - WITH	
W/O - WITHOUT	
VERT.- VERTICAL	

LIMITATIONS OF USE	
	THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; I.E. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
A-	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.
B-	THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
	SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD
C-	(E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.
D-	THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

E- FL #23009

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



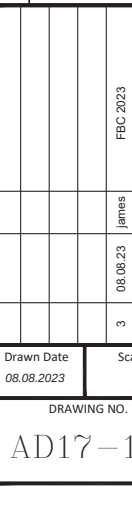
 MCY ENGINEERING, INC. GLAZING CONSULTANTS 12781 Miramar Parkway #301 Miramar, FL 33027 P. 305.271.0117 www.MCYEngineering.com MCY@mcyengineering.com					
SERIES EUSA-WW40 WINDOW WALL SYSTEM - L.M.I. & S.M.I. GLOBAL PERFORMANCE WINDOWS, INC d.b.a. EPSYLON USA 2115 SW 2ND ST, POMPAÑO BEACH FL 33069 TEL. (954) 942-3322 FAX. (954) 942-3215 					
Drawn Date 08.08.2023		Scale			
DRAWING NO.					
AD17-19					
COVER					
Sheet No.					
1 OF 15					

CHART 1

GLASS CAPACITIES (PSF)			
D.L.O. WIDTH	D.L.O. HEIGHT	GLASS TYPE 'G I'	
(IN.)	(IN.)	(+PSF)	(- PSF)
69	96	125.0	125.0
72		125.0	125.0
75		125.0	125.0
78		125.0	125.0
69	102	125.0	125.0
72		125.0	125.0
75		120.0	120.0
78		119.0	119.0
66	108	125.0	125.0
69		123.0	123.0
72		120.0	120.0
75		116.0	116.0
78		113.0	113.0
63	114	125.0	125.0
66		120.0	120.0
69		117.0	117.0
72		114.0	114.0
75		111.0	111.0
78		108.0	108.0
60	120	125.0	125.0
63		120.0	120.0
66		116.0	116.0
69		112.0	112.0
72		109.0	109.0
75		106.0	106.0
57	126	125.0	125.0
60		120.0	120.0
63		116.0	116.0
66		111.0	111.0
69		107.0	107.0
72		104.0	104.0
54	132	125.0	125.0
57		120.0	120.0
60		118.0	118.0
63		112.0	112.0
66		107.0	107.0
54	138	125.0	125.0
57		120.0	120.0
60		115.0	115.0
63		109.0	109.0
66		104.0	104.0

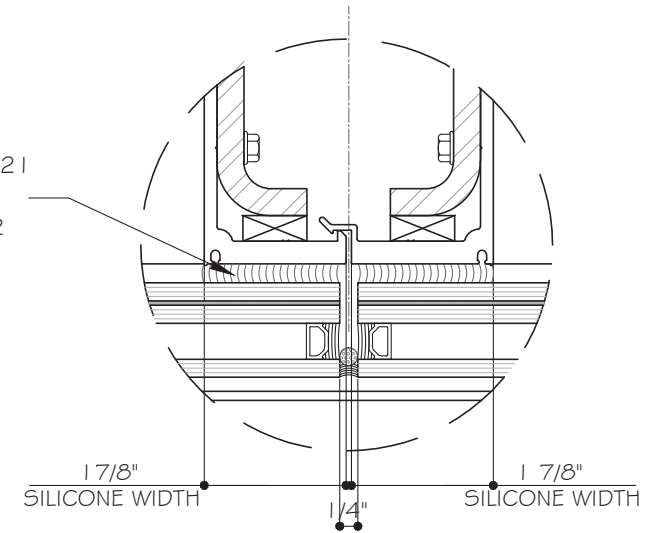
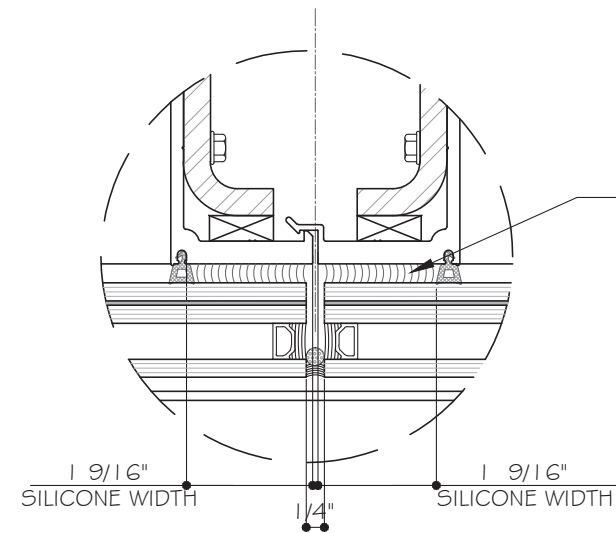
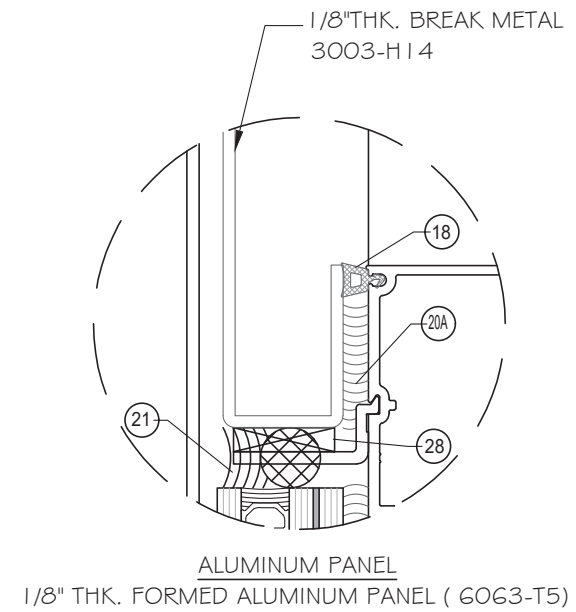
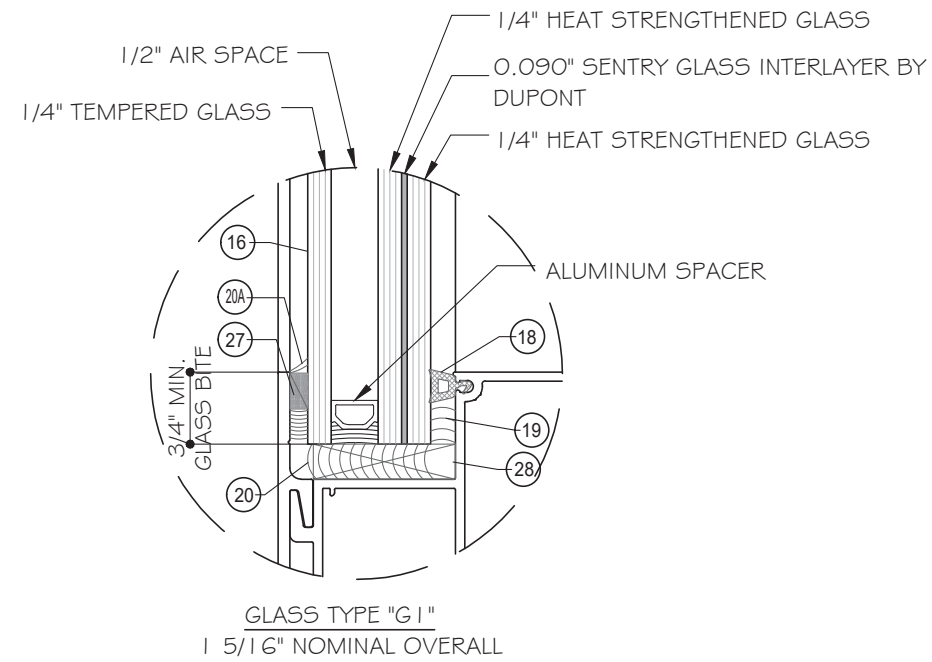
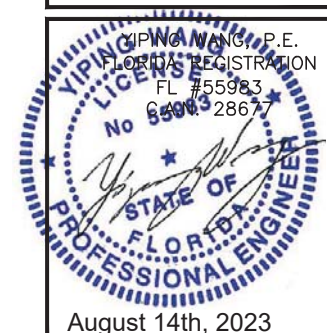


CHART 2

SILICONE CAPACITY (PSF)		
MULL C-C	SILICONE WIDTH	
(IN.)	1 9/16"	1 7/8"
66	125.0	125.0
69	125.0	125.0
72	125.0	125.0
75	120.0	125.0
78	115.4	125.0
81	111.1	125.0
84	107.1	125.0

NOTE:
GLASS COMPLIES WITH ASTM E 1300-09
(3 SEC. GUSTS).

FL #23009



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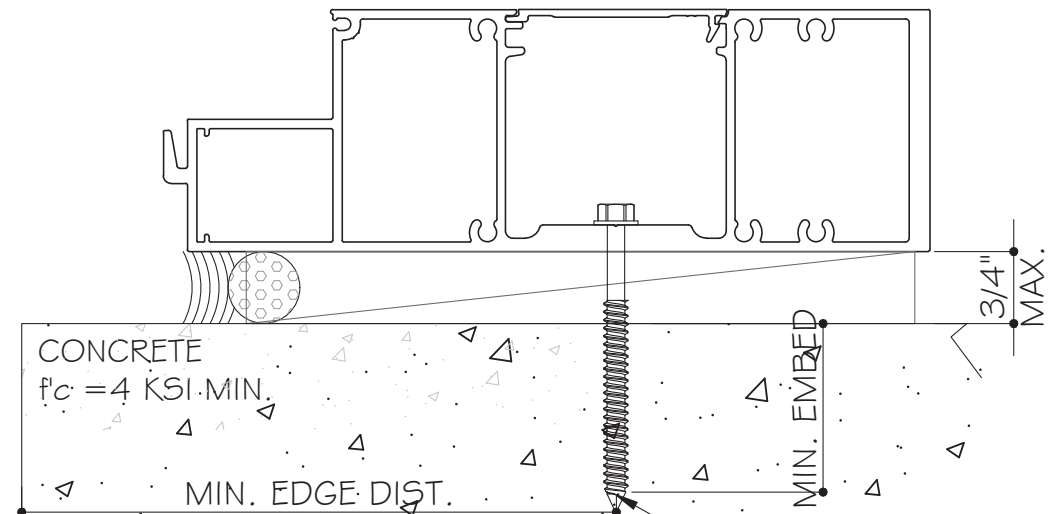
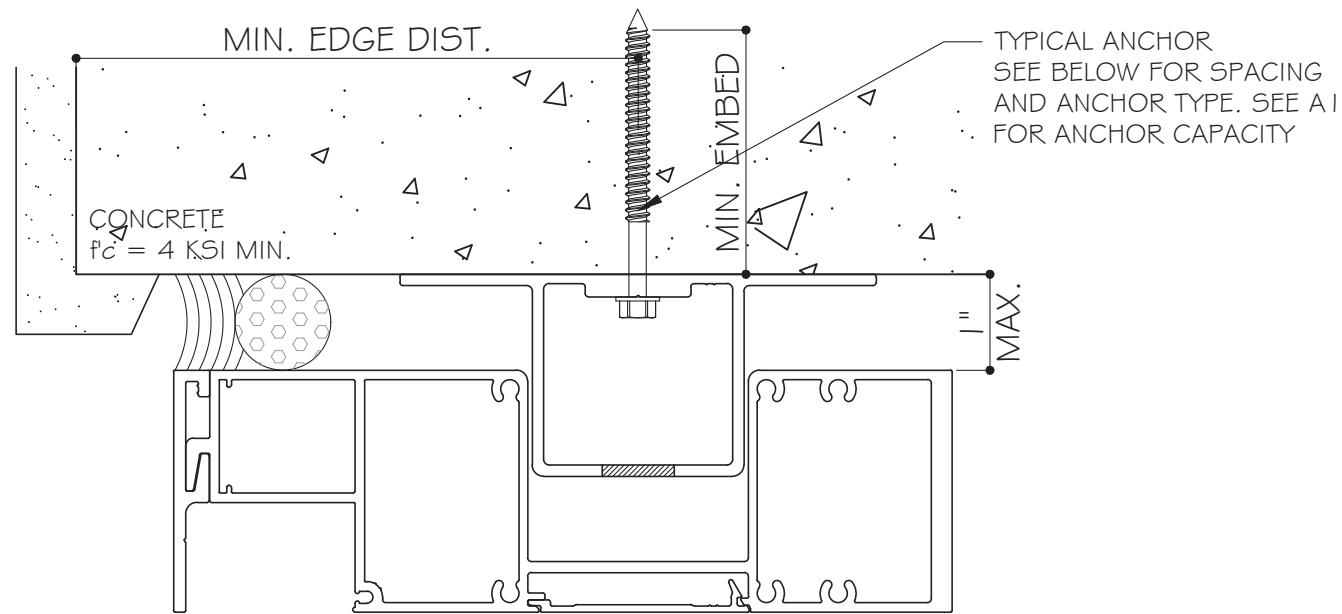
SERIES EUSA-VW40 WINDOW WALL SYSTEM - L.M.I. & S.M.I.

GLOBAL PERFORMANCE WINDOWS, INC
d.b.a. EPSYLON USA

2115 SW 2ND ST, POMPANO BEACH FL 33069

TEL. (954) 942-3322 FAX. (954) 942-3215

					FBC 2023	
					James	Description
				08.08.23	Drawn By	
				3	Date	
Drawn Date 08.08.2023			Rev. No.			
			Scale			
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 G1						
Sheet No. 3 OF 15						



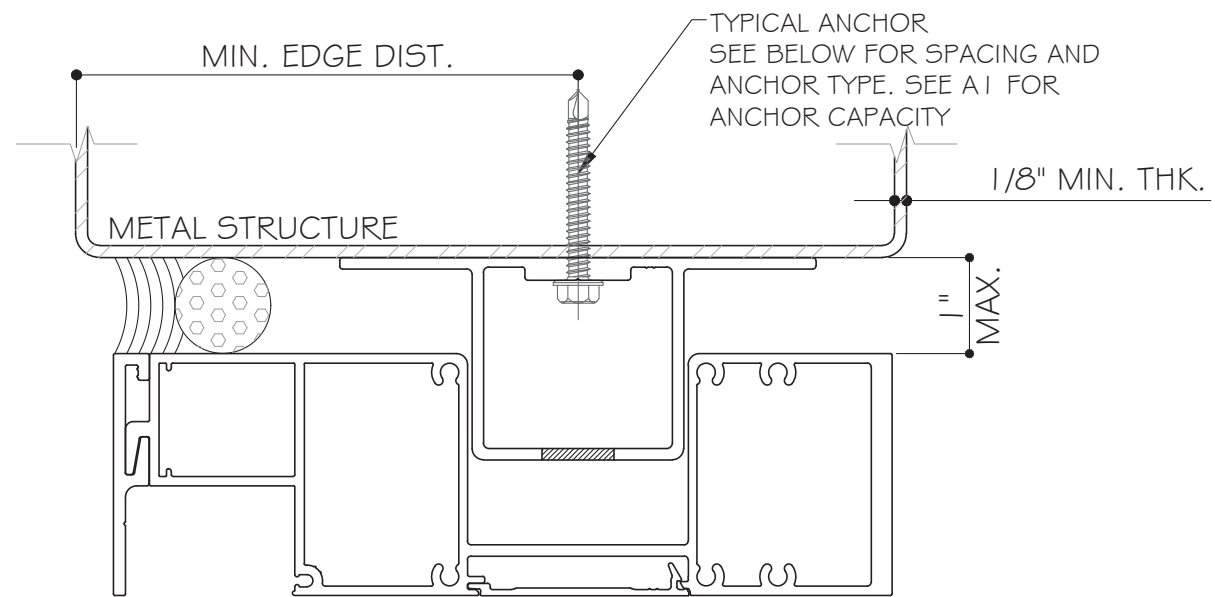
TYPICAL ANCHORS AT HEAD/SILL:

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

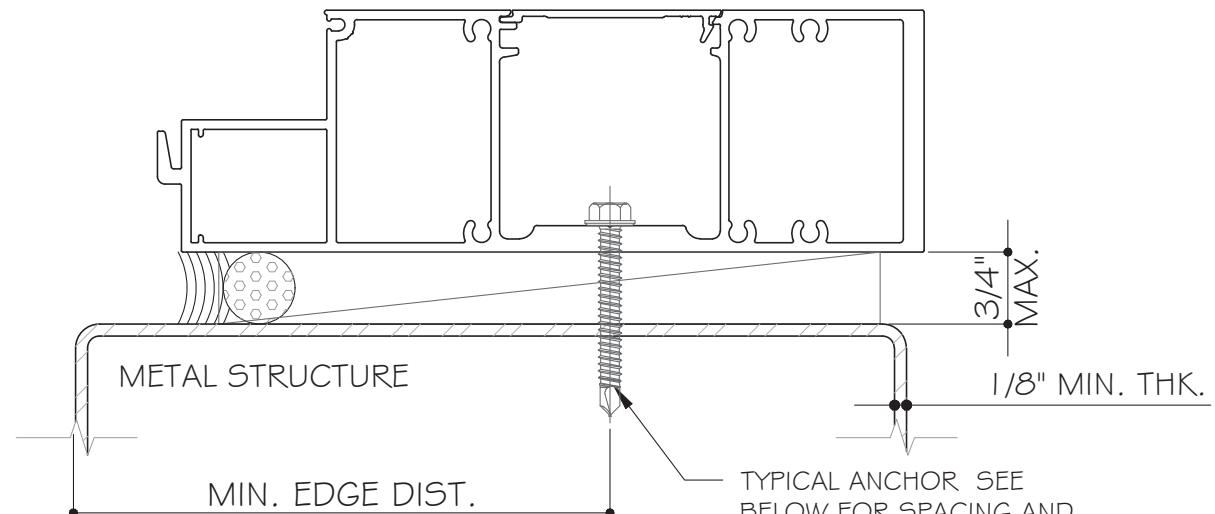
TYPE "B": 1/2" DIA. TAP FLEX ($F_u = 177 \text{ KSI}$, $F_y = 155 \text{ KSI}$)
INTO 1/8" MIN. THK STEEL STRUCTURE OR
1/4" MIN. THK. ALUMINUM (6063-T5)

-SEALANTS:

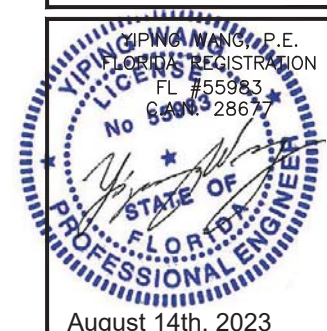
ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER
GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH
SILICONE SEALANT.



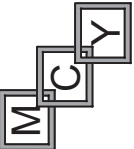
NOTE:
METAL STRUCTURE BY OTHERS TO BE
DESIGNED PROPERLY TO SUSTAIN THE
LOAD FROM GLAZING SYSTEM.



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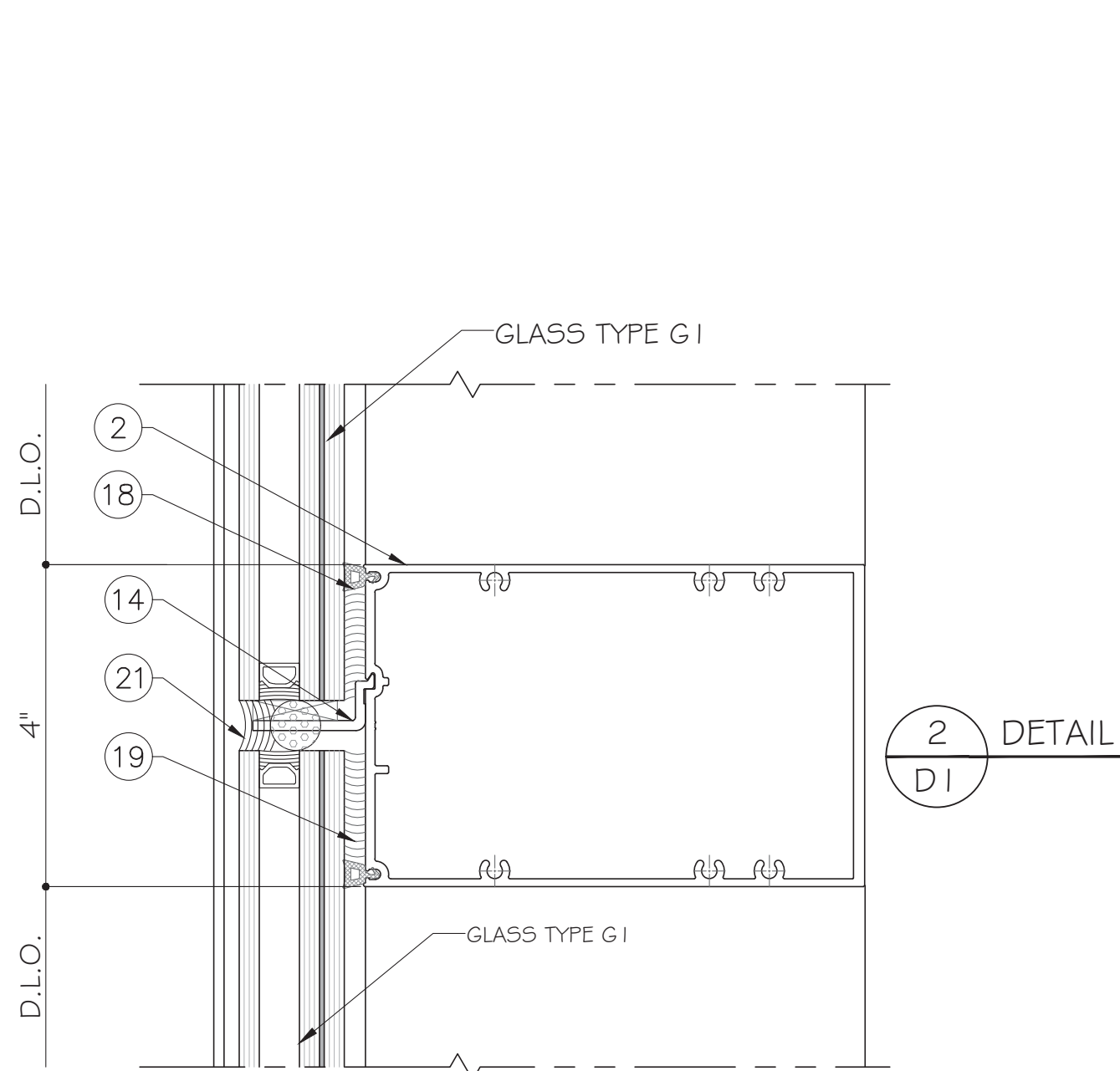
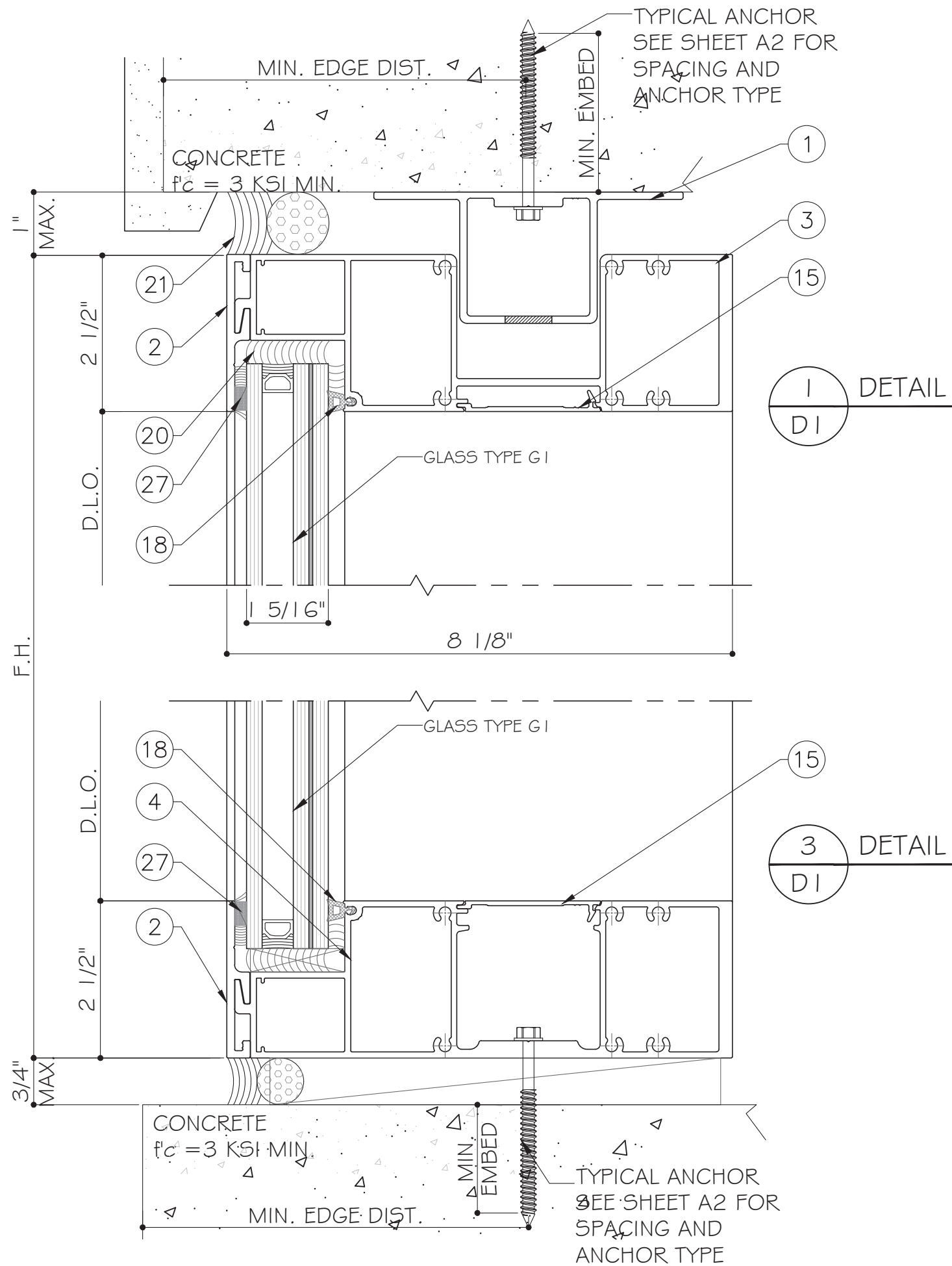
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A2			
Sheet No. 7 OF 15			



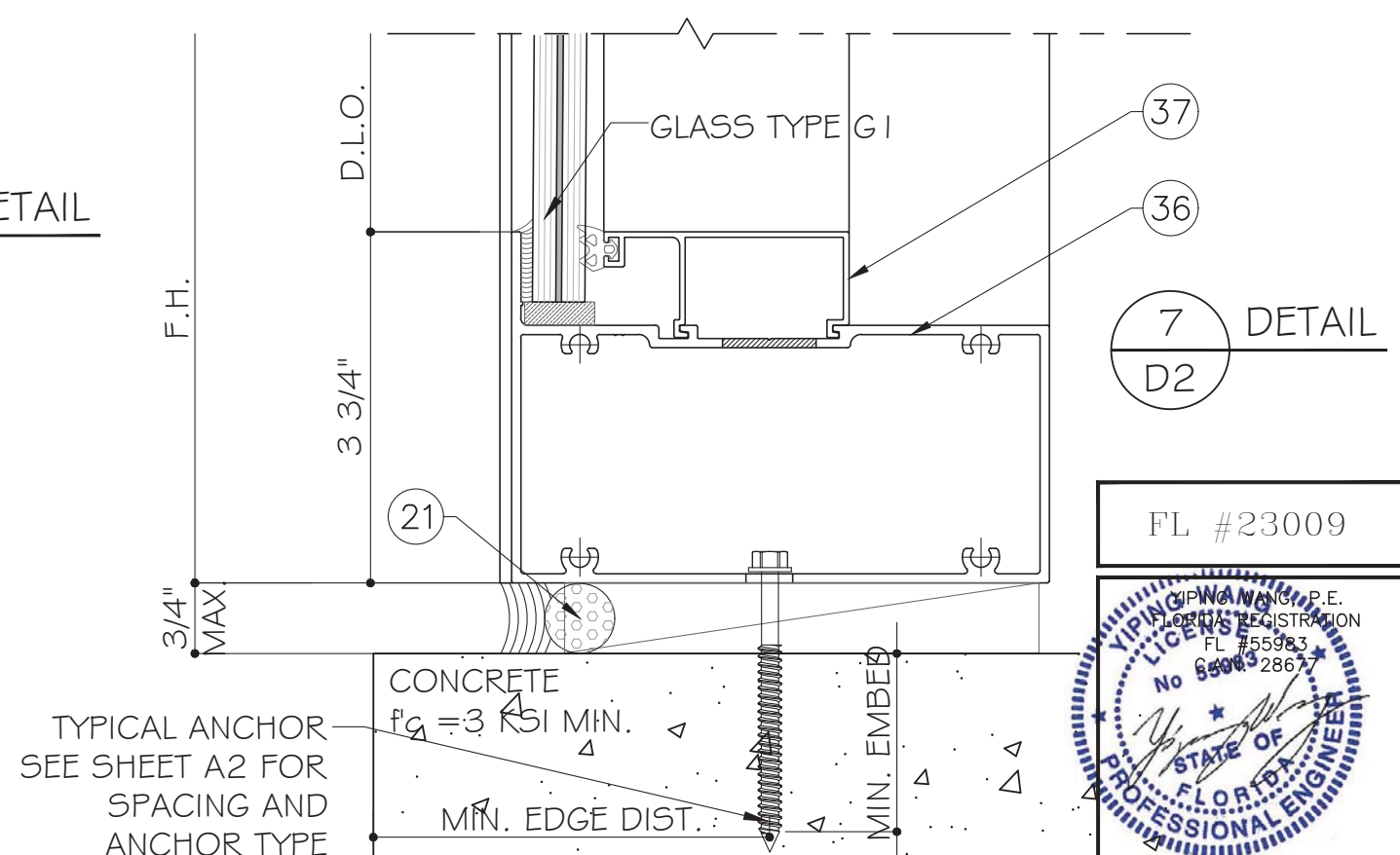
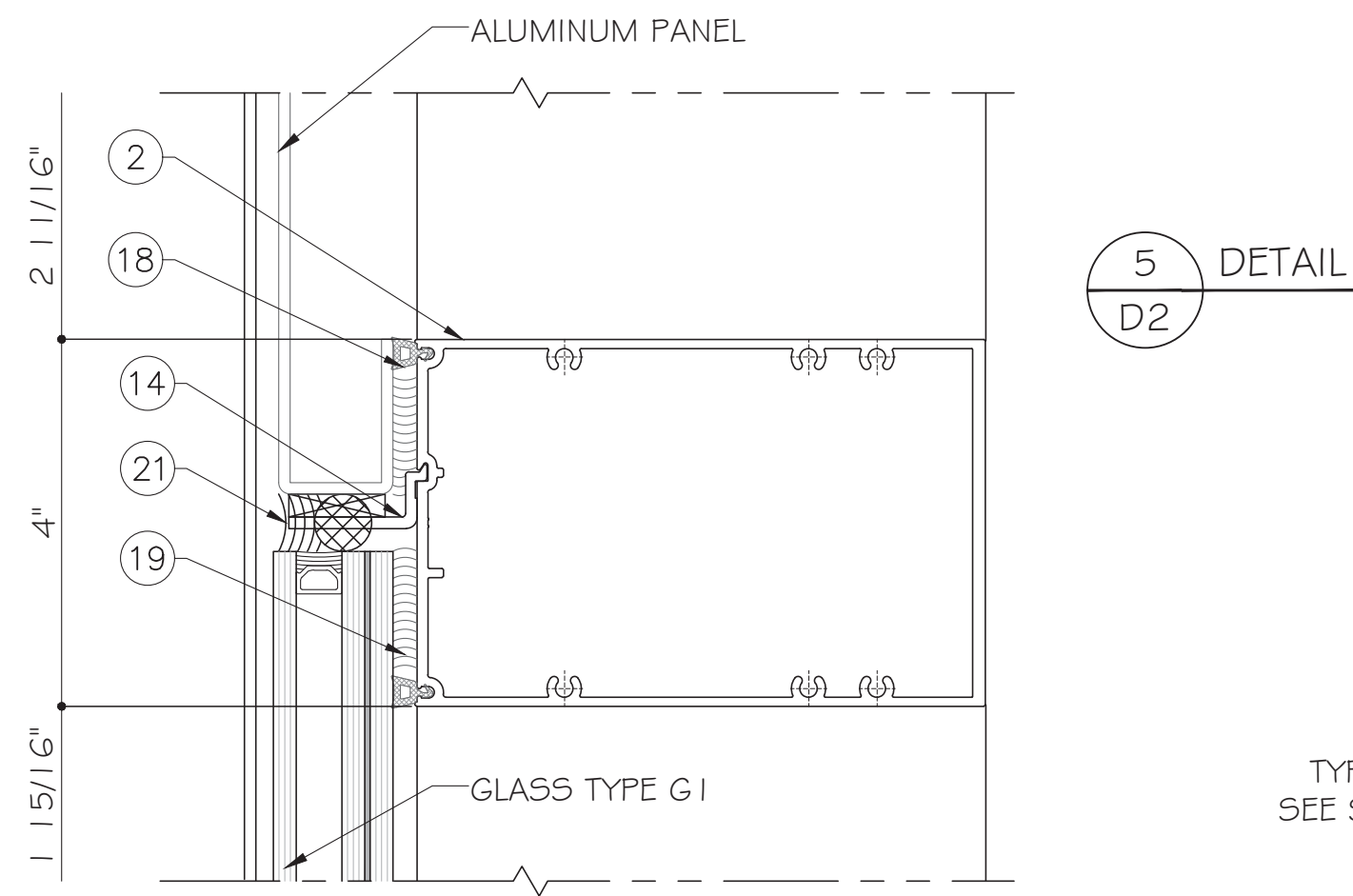
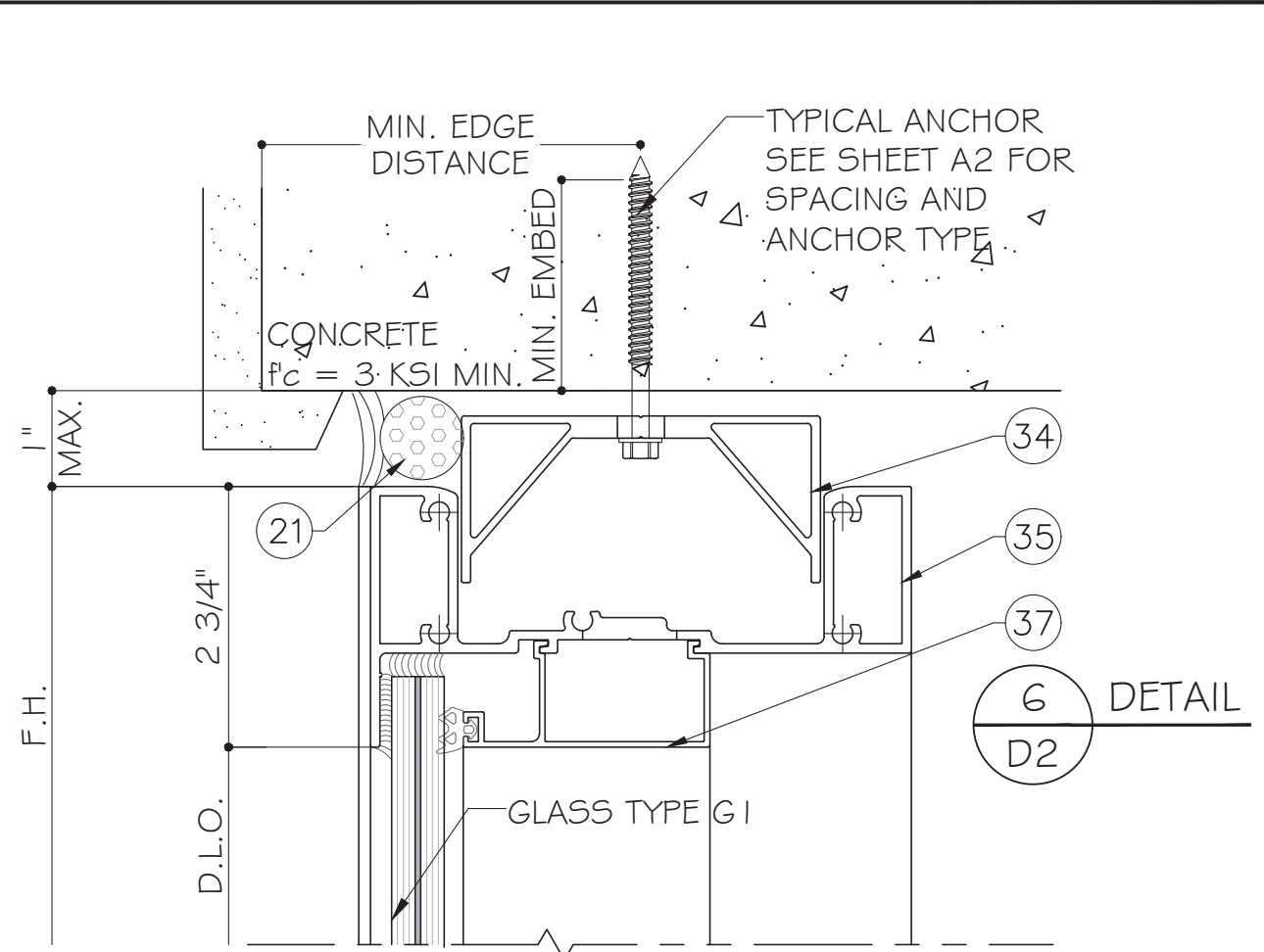
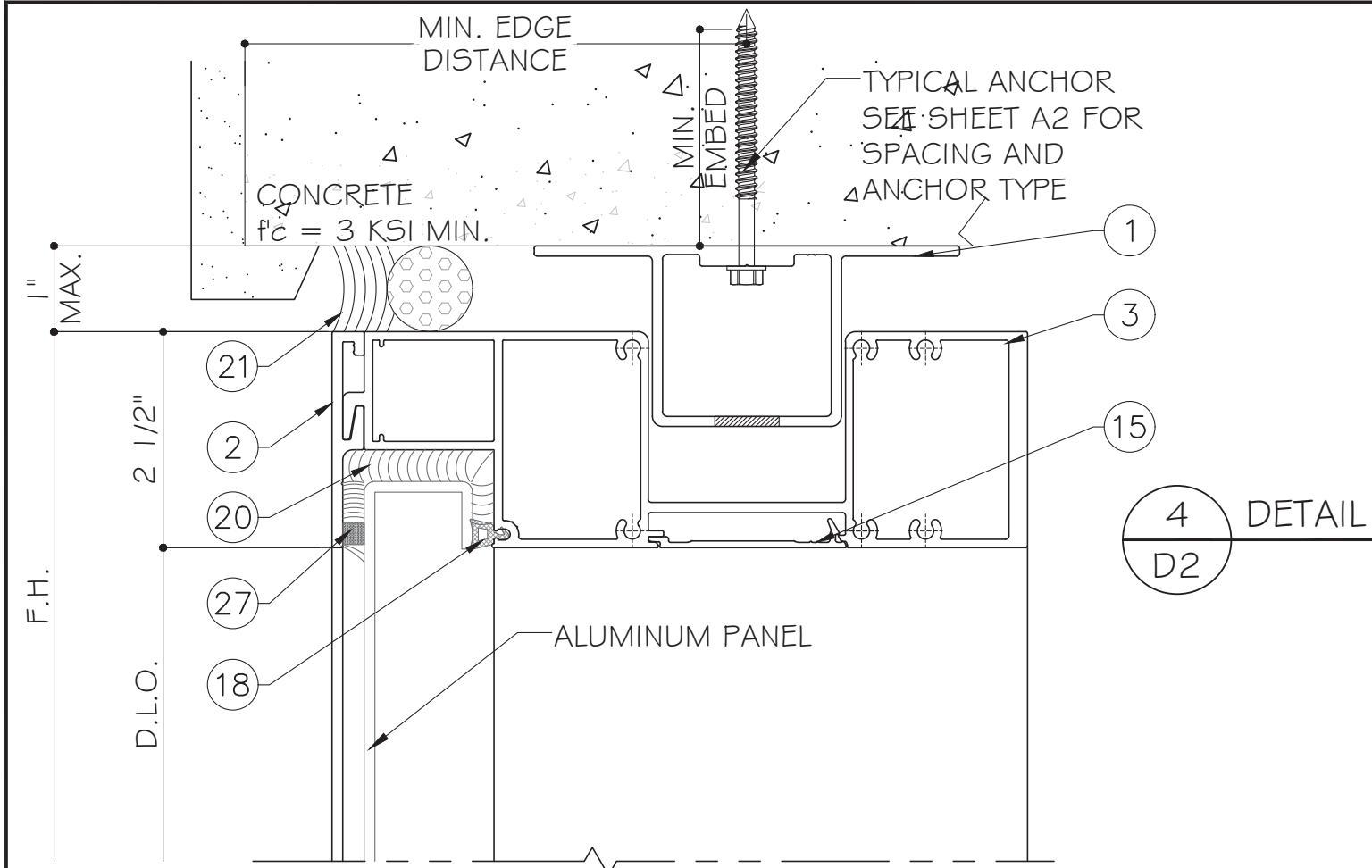
FL #23009

YIPING WANG, P.E.
FLORIDA REGISTRATION
FL #55983
6400 28677

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

August 14th, 2023

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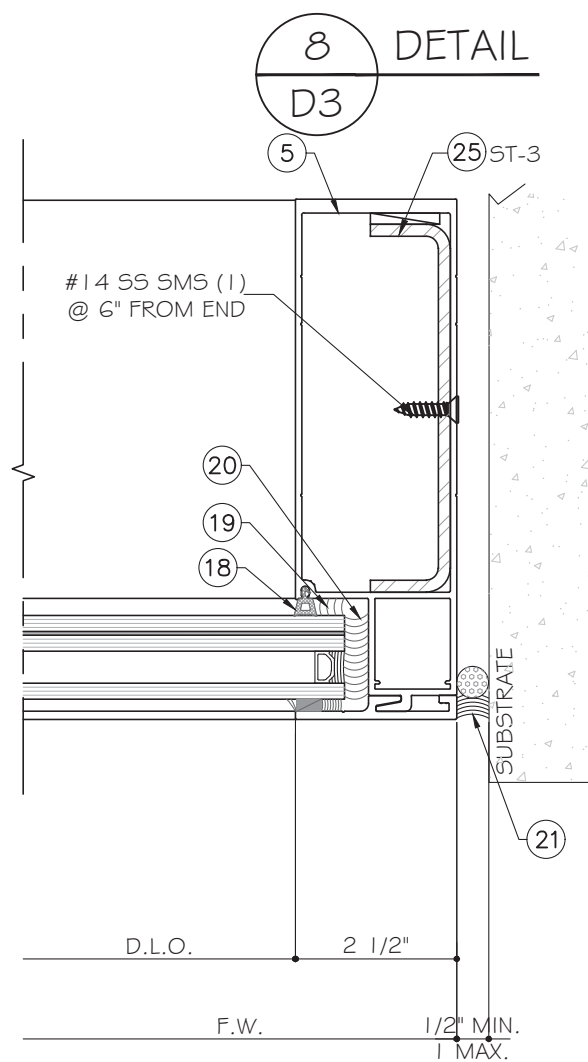
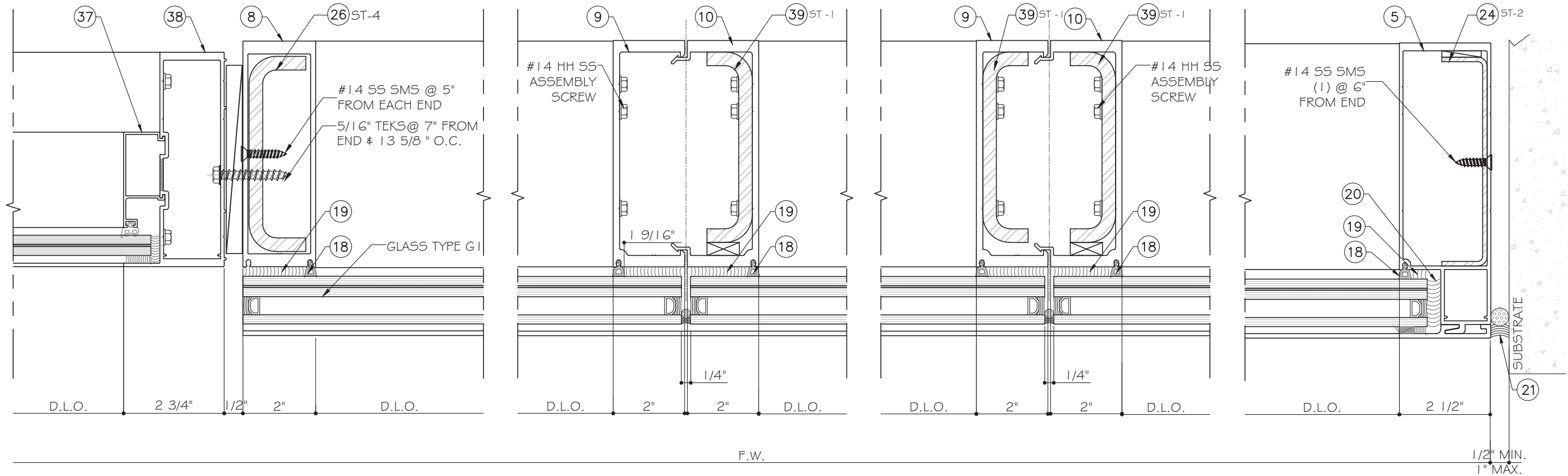
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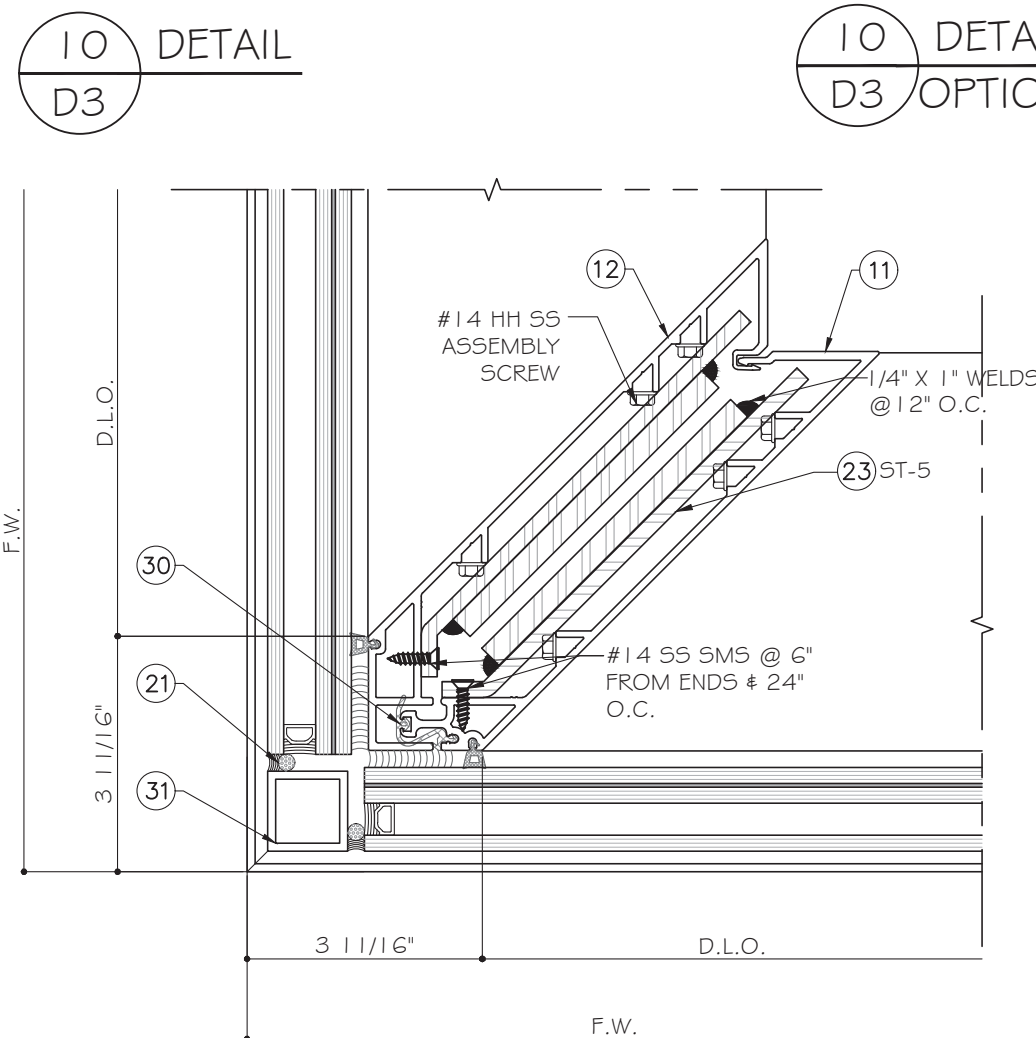
DRAWING NO.
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D2

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11
D3
DETAIL
OPTION

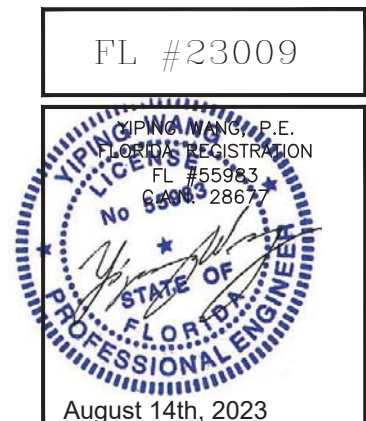


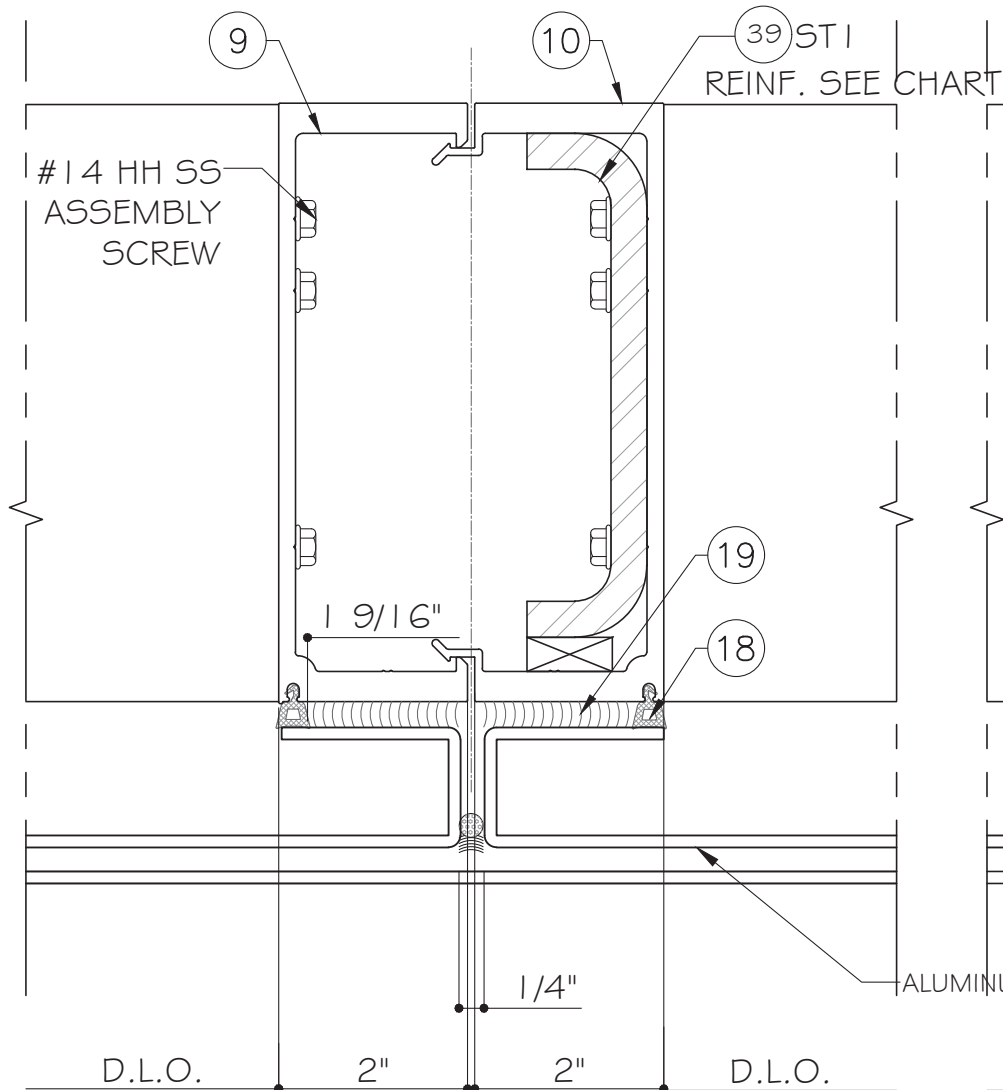
9
D3
DETAIL
OPTION

11
D3
DETAIL

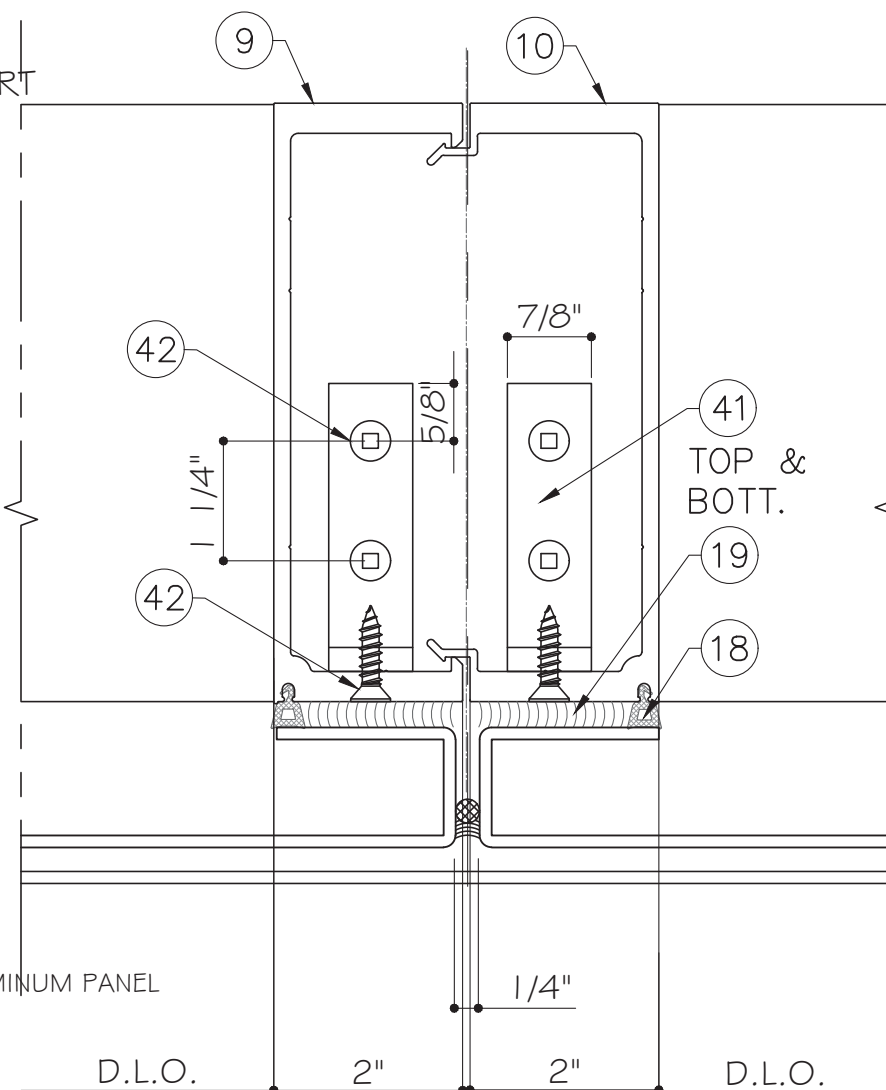
FRAME HEIGHT	JAMB GAP	
	MIN.	MAX.
UP TO 156"	1/2"	1"
180"	5/8"	1"

SEE M1 & M2 FOR MULLION &
JAMB TYPES AND CAPACITIES

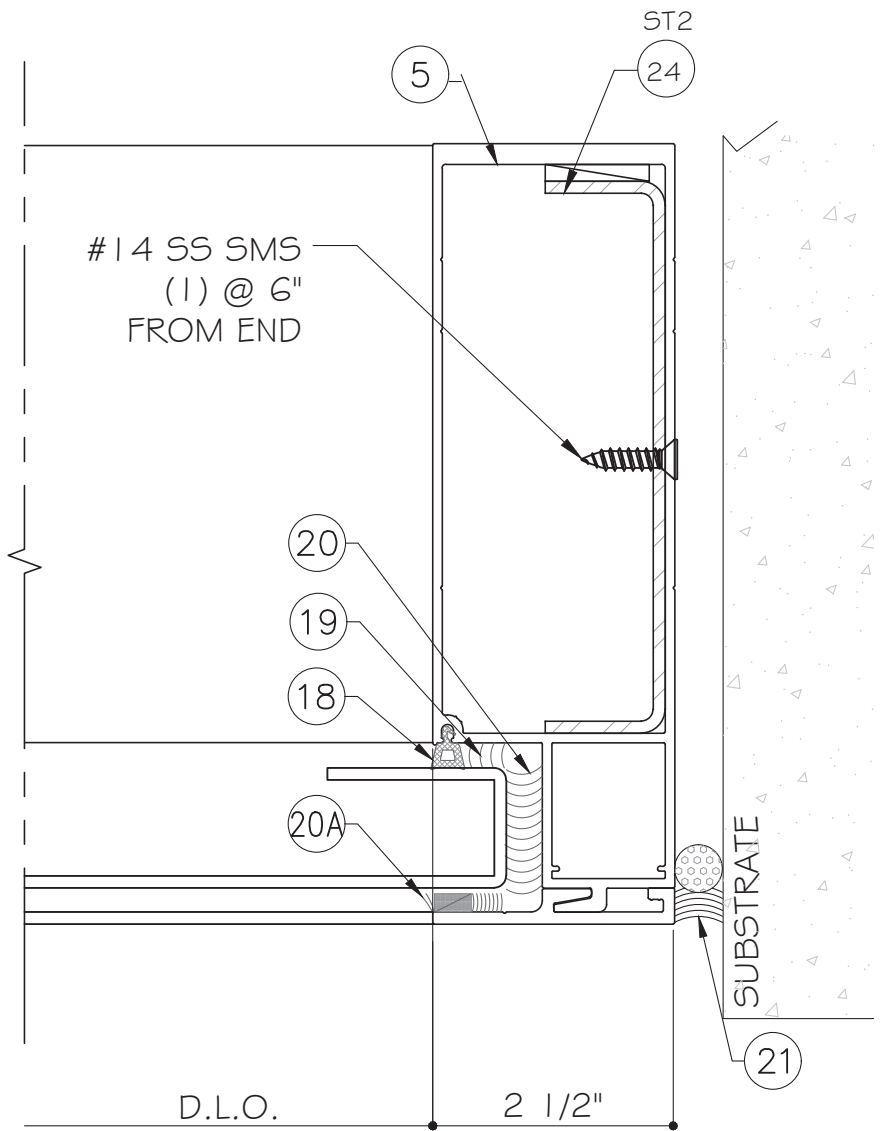




12
D4
DETAIL



13
D4
DETAIL



14
D4
DETAIL

SEE M1 & M2 FOR MULLION &
JAMB TYPES AND CAPACITIES

FL #23009

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D4			
Sheet No. 11 OF 15			

1 SLEEVE ANCHOR
(21000) ALUMINUM 6063-T6

2 EXTERIOR CAP FOR WW
(21001) ALUMINUM 6063-T6

3 FRAME HEAD W/SLEEVE ANCHOR
(21002) ALUMINUM 6063-T6

4 FRAME SILL FOR SSG WW
(21003) ALUMINUM 6063-T6

5 FRAME JAMB FOR WW
(21004) ALUMINUM 6063-T6

6 FEMALE MULLION (3 " MULLION)
(21005) ALUMINUM 6063-T6

7 MALE MULLION (3 " MULLION)
(21006) ALUMINUM 6063-T6

8 MULLION 2" FOR SSG WW
(21007) ALUMINUM 6063-T6

9 SPLIT MULLION 4" (FEMALE)
(21008) ALUMINUM 6063-T6

10 SPLIT MUON 4" (MALE)
(21009) ALUMINUM 6063-T6

11 90 DEGREE CORNER SPLIT MULLION (MALE)
(21010) ALUMINUM 6063-T6

12 90 DEGREE CORNER SPLIT MULLIO (FEMALE)
(21011) ALUMINUM 6063-T6

13 4" HORIZONTAL MULLION FOR WW
(21012) ALUMINUM 6063-T6

14 SNAP ON GLASS EXTENSION
(11013) ALUMINUM 6063-T6

15 SNAP ON COVER
(64010) ALUMINUM 6063-T6

31 ALUMINUM TUBE
ALUMINUM 6063-T6

30 VERTICAL SPLIT MULLION AIRSEAL
70 SILICONE

18 1/4" COMPRESSION GASKET
EPDM 70

FL #23009

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AD17-19

PARTS 1

Sheet No.

12 OF 15

34

SLEEVE ANCHOR
(20001) ALUMINUM 6063-T6

35

HEAD/SILL FRAME
(20004) ALUMINUM 6063-T6

36

FRAME HEAD/SILL
(20022) ALUMINUM 6063-T6

37

SNAP-ON CAP
(20002) ALUMINUM 6063-T6

38

FRAME JAMB
(20007) ALUMINUM 6063-T6

39

STEEL REINFORCING ST-1
1 1/4\"/>

24

STEEL REINFORCING ST-2
1 1/4\"/>

25

STEEL REINFORCING ST-3
1 1/4\"/>

26

STEEL REINFORCING ST-4
1 1/8\"/>

23

STEEL REINFORCING ST-5.1
3/4\"/>

23

STEEL REINFORCING ST-5.2
5 1/2\"/>

FL #23009

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PARTS 2

Sheet No.
13 OF 15

Rev. No.
3

Date
08.08.23

Drawn By
James

Description
FBC 2023

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BILL OF MATERIALS			
ITEM	PART #	DESCRIPTION	MATERIAL
1	21000	ALUMINUM SLEEVE ANCHOR	6063 - T6
2	21001	ALUMINUM EXTERIOR CAP FOR WW	6063 - T6
3	21002	ALUMINUM FRAME HEAD WITH SLEEVE ANCHOR	6063 - T6
4	21003	ALUMINUM FRAME SILL FOR SSG WW	6063 - T6
5	21004	ALUMINUM FRAME JAMB FOR WW	6063 - T6
6	-	-	
7	-	-	
8	21007	ALUMINUM 2" MULLION FOR SSG WW	6063 - T6
9	21008	ALUMINUM 4" SPLIT MULLION FOR WW (FEMALE)	6063 - T6
10	21009	ALUMINUM 4" SPLIT MULLION FOR WW (MALE)	6063 - T6
11	21010	ALUMINUM 90 DEGREE CORNER - SPLIT MULLION (MALE)	6063 - T6
12	21011	ALUMINUM 90 DEGREE CORNER - SPLIT MULLION (FEMALE)	6063 - T6
13	21012	ALUMINUM 4" HORIZONTAL MULLION FOR WW	6063 - T6
14	11013	ALUMINUM SNAP ON GLASS EXTENSION @ 1/4" POINTS	
15	64010	ALUMINUM SNAP ON COVER	6063 - T6
16	-	-	
17	-	-	
18	90006	GASKET - TREMCO	EPDM - DURO 70
19	----	PROGLAZE II (TREMCO), DOW CORNING DC983 OR GE 4000SG	
20	----	SEALANT SPRECTREM 2 OR DC 795 - 6" LONG @ CORNERS	
20A	----	SEALANT SPRECTREM 2 OR DC 795	
21	---	BACKER ROD & SEALANT DC790	
22	----	#14 HH SS ASSEMBLY SCREWS - 1 1/2" LONG	STAINLESS STEEL
23	----	3/4 X 7 X 1/4 THK STEEL BAR (ST-5.1) with 5 1/2"x3/8" THK STL BAR	STEEL A36
24	---	1 1/4" X 5 3/4" X 1/8" THK STEEL U CHANNEL (ST-2)	STEEL A36
25	---	1 1/4" X 5 3/4" X 13/16" THK STEEL U CHANNEL (ST-3)	STEEL A36
26	----	1 9/16"x5 3/8"x1 9/16"x3/8"THK. STEEL CHANNEL (ST-4)	STEEL A36
27	----	POLYSHIM 1/4" THICK x 1/2" LONG	
28	---	SCR SETTING BLOCK	
29	---	#10 X 3/4" HH SS TEK SCREW	
30	90103	VERTICAL SPLIT MULLION AIRSEAL	SILICONE - DURO 70
31	----	ALUMINUM 1 1/4" X 1 1/4" TUBE MULL	6063 - T6
32	----	3/4" SHIM	6063 - T6
33	----	NORTON TAPE 1/4" X 1/4", 2" LONG & 24" APART	6063 - T6
34	20001	SLEEVE ANCHOR	6063 - T6
35	20004	FRAME HEAD/SILL	6063 - T6
36	20022	FRAME HEAD/SILL	6063 - T6
37	20002	SNAP-ON CAP	6063 - T6
38	20007	FRAME JAMB	6063 - T6
39	ST-1	1 1/4"x5 1/4"x1 1/4" X3/8" THK. STL CHANNEL (ST-1)	STEEL A36
40	-	-	
41	-	3"x3"x1/4" ALUM. ANGLE, 7/8" LG	6063-T5
42	-	#14X1" FH SS TEKs SCREW	-

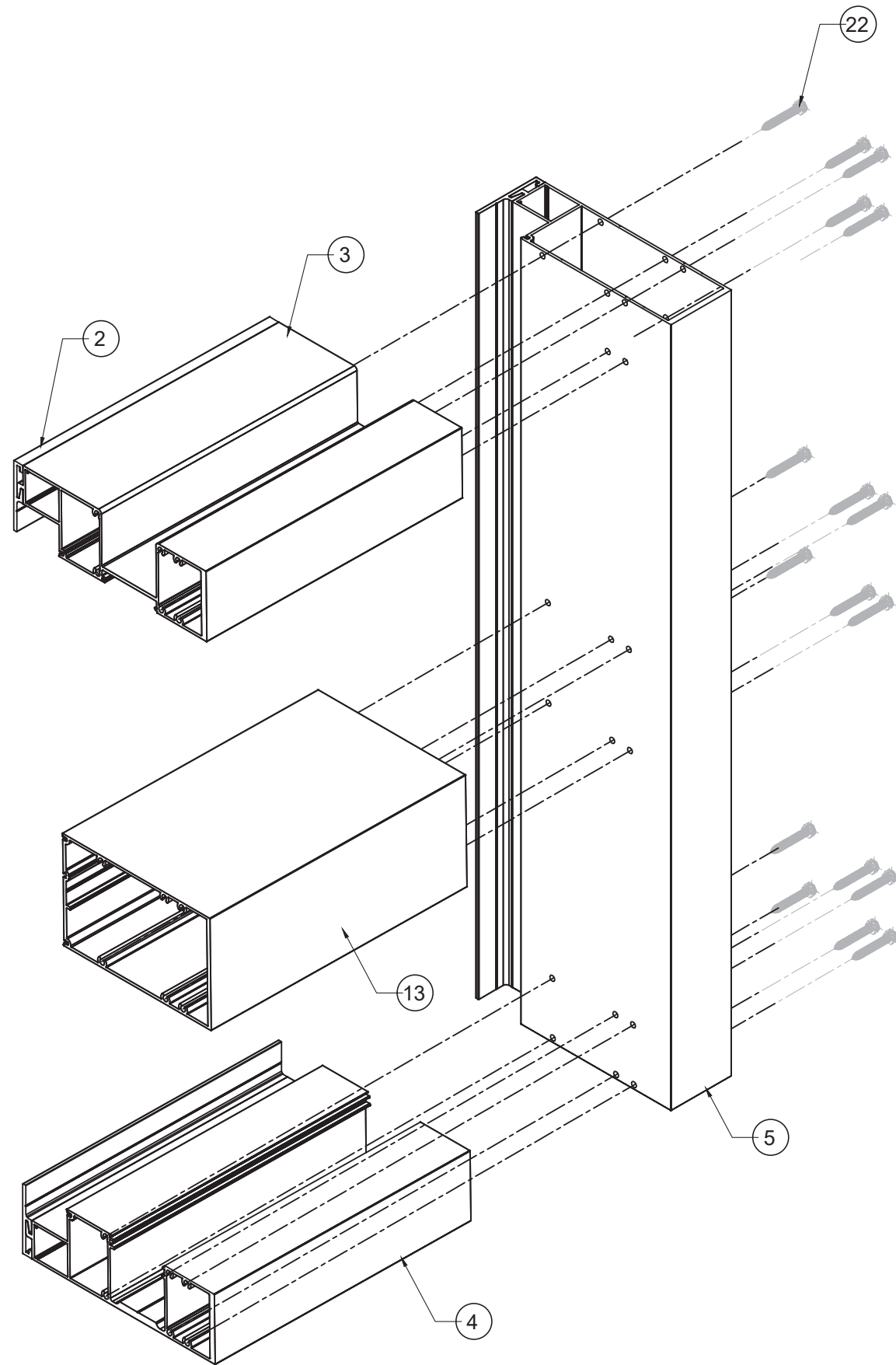


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GLOBAL PERFORMANCE WINDOWS, INC
d.b.a. EPSYLON USA

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					FBC 2023	Description
					james	Drawn By
				08.08.23	Date	
				3	Rev. No.	
Drawn Date 08.08.2023				Scale		
DRAWING NO. AD17-19						
BOM						
Sheet No. 14 OF 15						



FRAME ASSEMBLY

FL #23009

YIPING WANG, P.E.

FLORIDA REGISTRATION

FL #55983

6400128677

August 14th, 2023

DRAWING NO.		AD17-19	
Sheet No.		15 OF 15	
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Drawn Date		Scale	
08.08.2023			
Rev. No.		FBC 2023	
3		Description	
08.08.23		James	
Date		Drawn By	

SERIES EUSA-WW40 WINDOW WALL SYSTEM - L.M.I. & S.M.I.

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