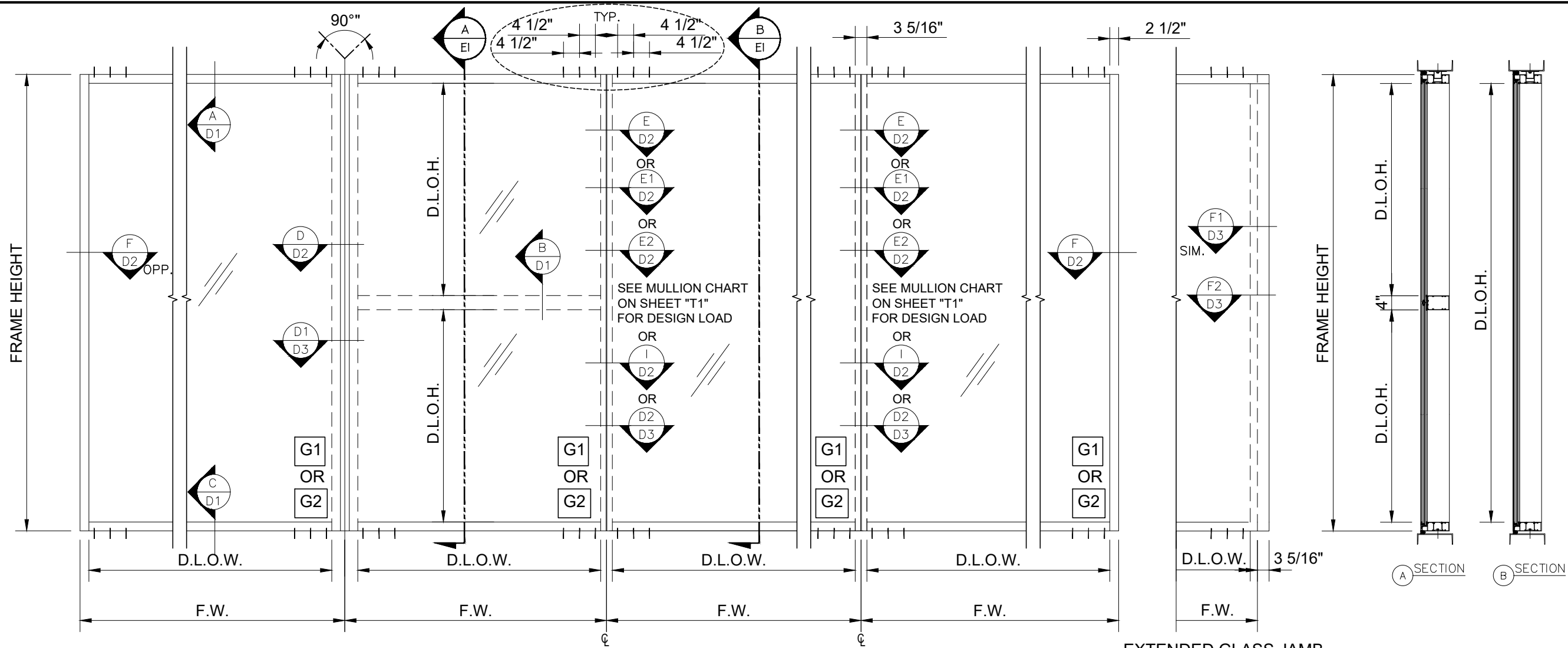


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ANTS

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Y@MCYENGINEERING.COM

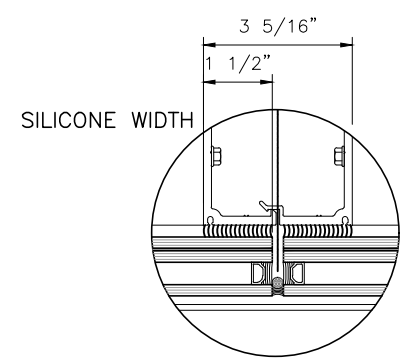


TYPICAL ELEVATION
3 5/16" MULLION

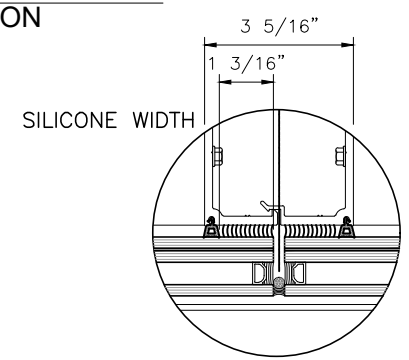
MAX. DESIGN LOADS PER GLASS AREA			
GLASS TYPE	MAX. GLASS AREA (FT ²)	DESIGN LOADS (PSF)	
G1	59.2	+100	-100
G2	57.8	+90	-90

AREA= D.L.O.W. * D.L.O.H.

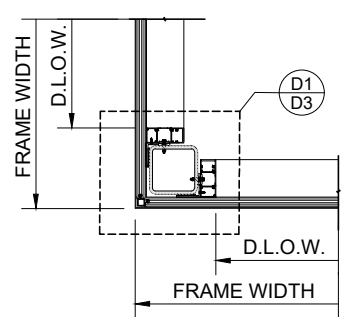
NOTE:
GLASS COMPLIES WITH ASTM E1300-09 (3 SEC. GUSTS).



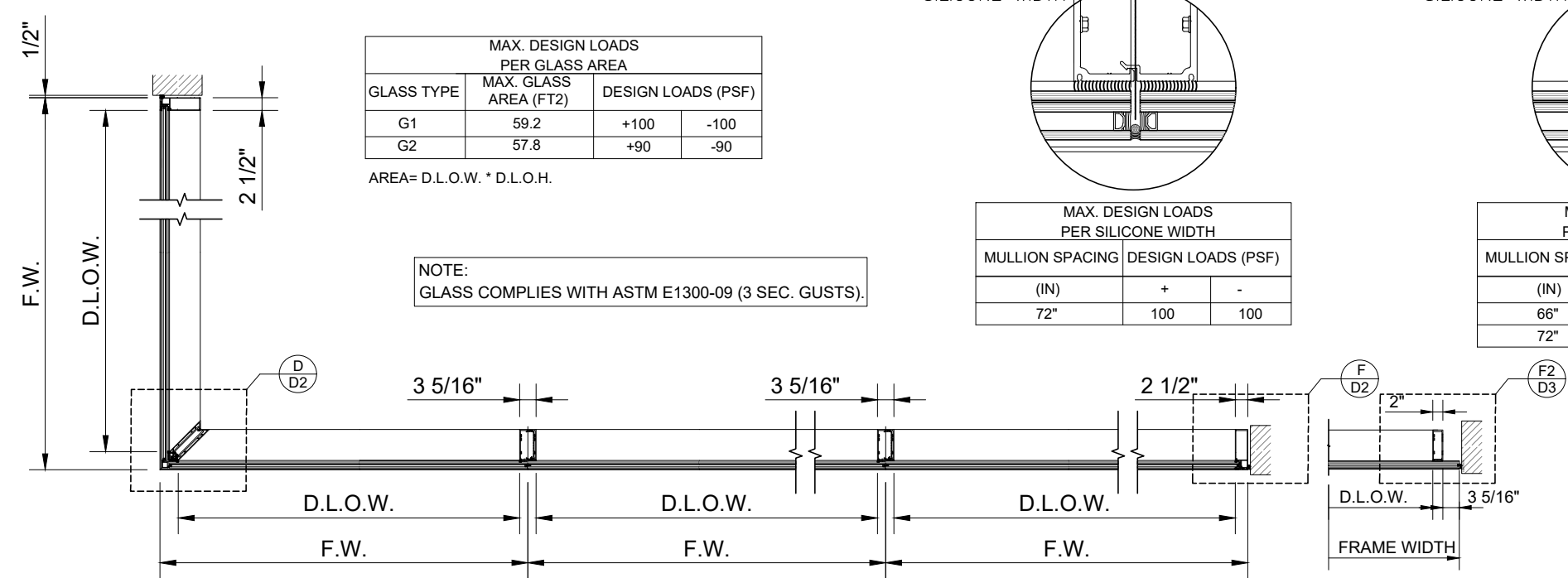
MAX. DESIGN LOADS PER SILICONE WIDTH		
MULLION SPACING (IN)	DESIGN LOADS (PSF)	
72"	+	-
	100	100



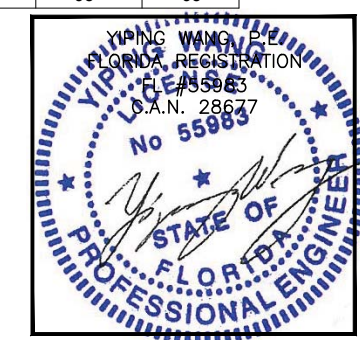
MAX. DESIGN LOADS PER SILICONE WIDTH		
MULLION SPACING (IN)	DESIGN LOADS (PSF)	
66"	+	-
72"	100	100
	95	95



OPTION



OPTION



REVISIONS	
NO.	DATE

MCY ENGINEERING, INC.
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P: 305.271.0117
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SERIES EUSA-WW40 WINDOWALL SYSTEM - SMI

GLOBAL PERFORMANCE WINDOWS, INC.
DBA EPSYLON USA

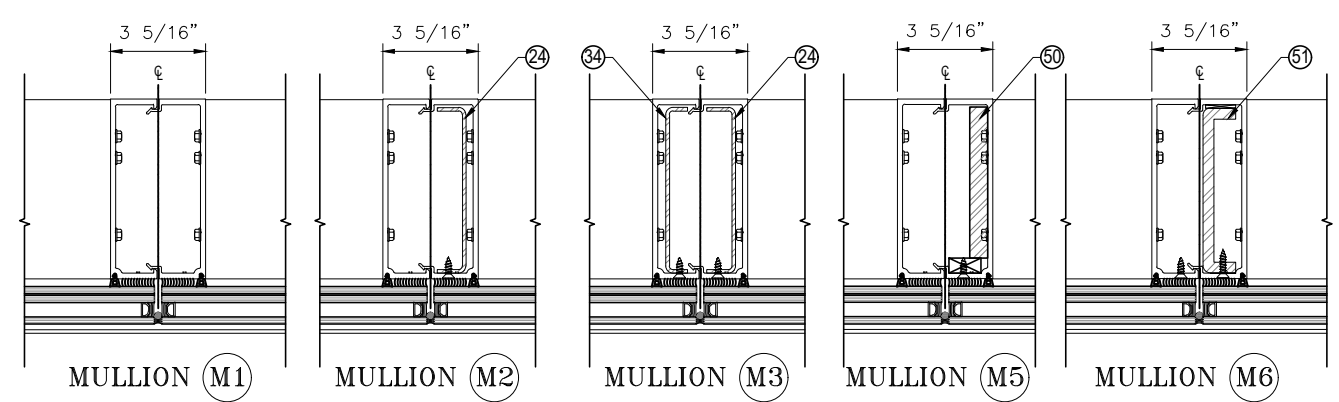
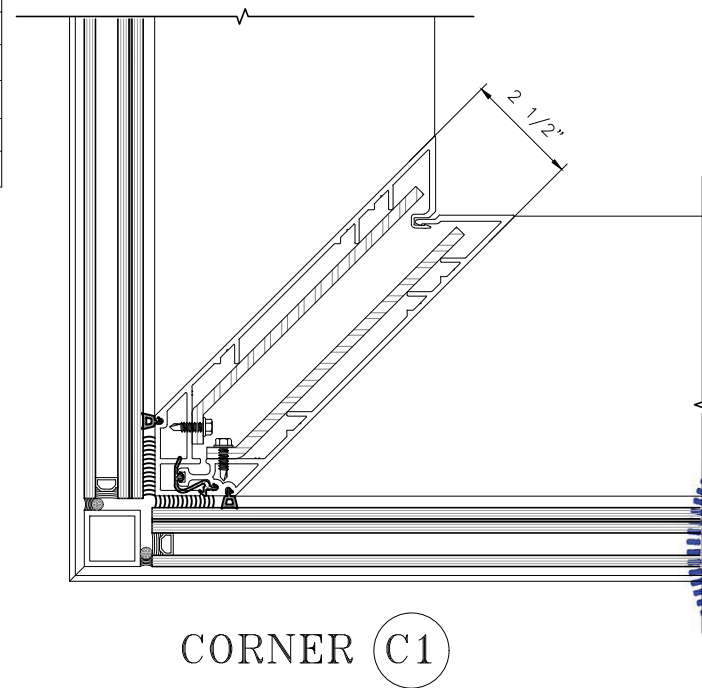
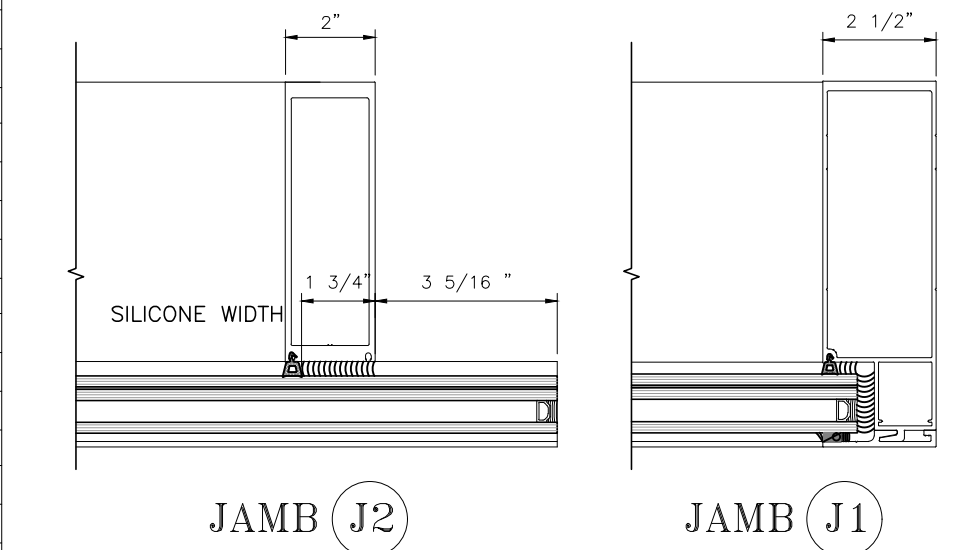
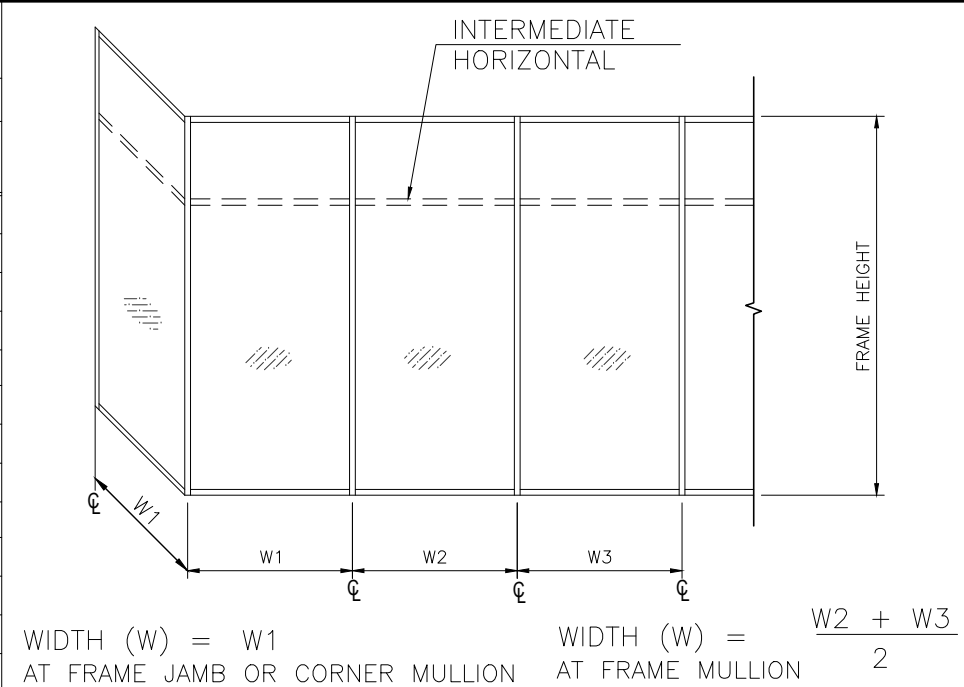
2115 S.W. 2ND STREET POMPANO BEACH FL 33069
TEL.: (954) 942-3322 FAX: (954) 942-3215

FL#17865.2

DATE	04-23-2021
SCALE	AS NOTED
DRAWN	M.C./Y.P.
PROJECT	16-052

E1
DRAWING NO. AD15-46
2 OF 10

3 5/16" MULLION LOAD CAPACITY – PSF											
NOMINAL DIMS.		MULLION (M1)		MULLION (M2)		MULLION (M3)		CORNER (C1)	JAMB (J1)	JAMB (J2)	MULLION (M5) & (M6)
WIDTH (W)	FRAME HEIGHT	W/O HORIZ.	WITH HORIZ.	W/O HORIZ.	WITH HORIZ.	W/O HORIZ.	WITH HORIZ.	W/O HORIZ.	WITH HORIZ.	WITH HORIZ.	W & W/O HORIZ.
54"	108"	90	90	100	100	100	100	100	100	100	100
60"		90	90	100	100	100	100	100	100	100	100
66"		90	90	100	100	100	100	100	100	100	100
72"		90	90	100	100	100	100	100	100	100	100
54"	114"	90	90	100	100	100	100	100	100	100	100
60"		90	90	100	100	100	100	100	100	100	100
66"		90	88.5	100	100	100	100	100	100	100	100
72"		90	81.1	100	92.5	100	100	100	100	100	100
54"	117"	90	90	100	100	100	100	100	100	100	100
60"		90	90	100	100	100	100	100	100	100	100
66"		90	84.0	100	95.8	100	100	100	100	100	100
72"		90	77.0	100	87.8	100	100	100	100	100	100
54"	120"	90	90	100	100	100	100	100	100	100	100
60"		90	87.9	100	100	100	100	100	100	100	100
66"		90	79.9	100	91.1	100	100	100	100	100	100
72"		–	–	94.9	83.5	100	100	100	100	100	100
54"	123"	90	90	100	100	100	100	100	100	100	100
60"		90	83.7	100	95.4	100	100	100	100	100	100
64"		90	78.4	98.3	89.4	100	100	100	100	100	100
66"		–	–	95.9	86.7	100	100	100	100	100	100
72"	126"	–	–	89.7	79.5	100	100	100	100	100	100
54"		–	–	100	100	100	100	100	100	100	100
60"		–	–	98.3	90.9	100	100	100	100	100	100
66"		–	–	90.9	83.6	100	100	100	100	100	100
72"	129"	–	–	85	75.7	100	99.7	100	100	100	100
54"		–	–	100	96.3	100	100	100	100	100	100
60"		–	–	93.4	86.7	100	100	100	100	100	100
66"		–	–	86.3	78.8	100	100	100	100	100	100
72"	141"	–	–	80.6	72.2	100	95.1	100	100	100	100
54"		–	–	–	–	–	–	–	90	–	90
60"		–	–	–	–	–	–	–	90	–	90
66"		–	–	–	–	–	–	–	90	–	90
54"	152"	–	–	–	–	–	–	–	90	–	90
60"		–	–	–	–	–	–	–	90	–	90



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SERIES EUSA-WW40 WINDOW WALL SYSTEM - SMI

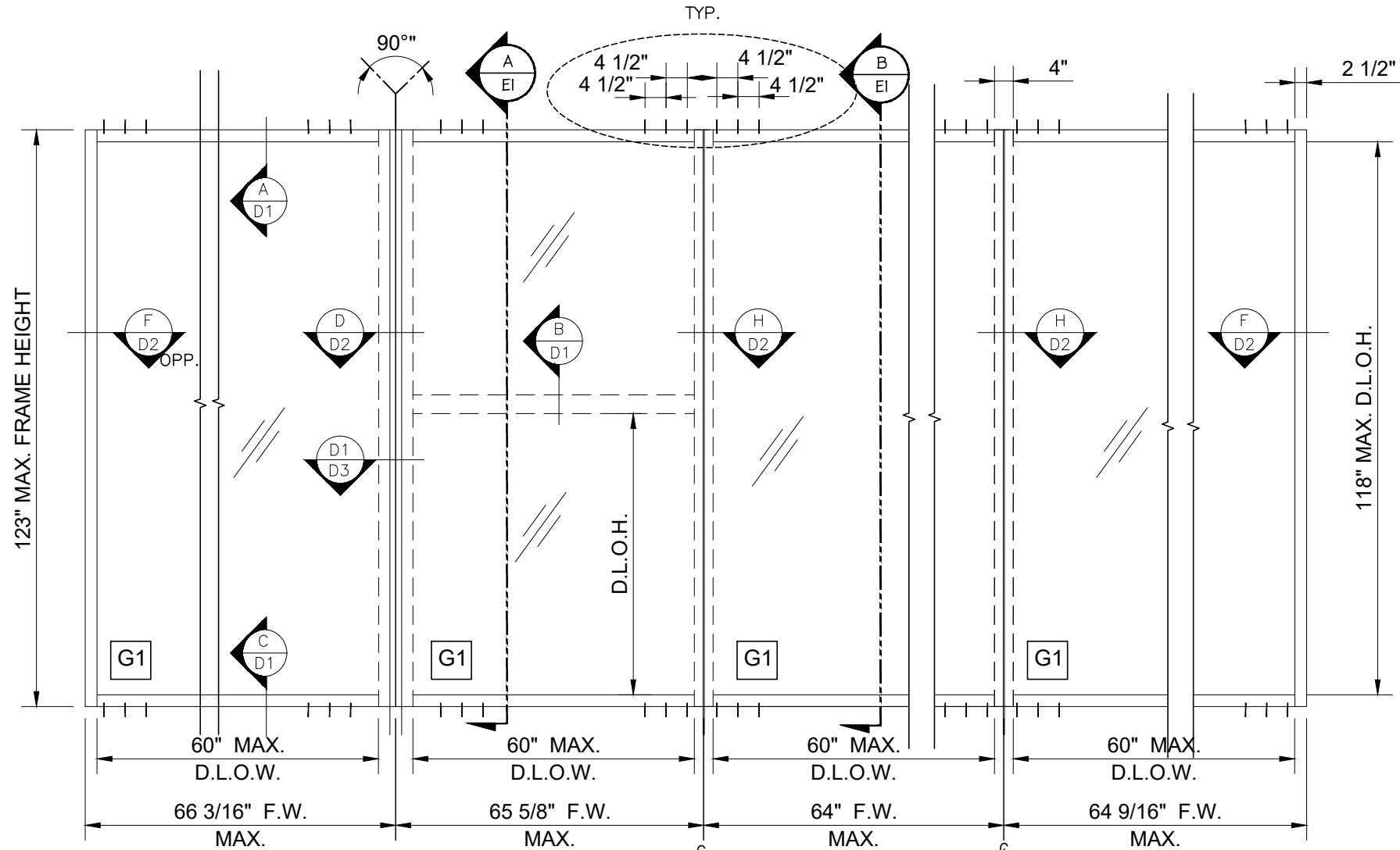
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DBA EPSYLON USA
2115 S.W. 2ND STREET POMPANO BEACH FL 33069
TEL.: (954) 942-3322 FAX.: (954) 942-3215

FL#17865.2	
DATE	04-23-2021
SCALE	AS NOTED
DRAWN	M.C./Y.P.
PROJECT	16-052
T1	
DRAWING NO. AD15-46	
3 OF 10	

YIPING WANG, P.E.
FLORIDA REGISTRATION
#55983
C.A.N. 2867

No 55983

STATE OF FLORIDA
PROFESSIONAL ENGINEER



TYPICAL ELEVATION
4" UNREINFORCED MULLION

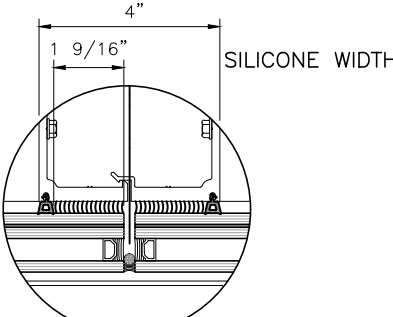
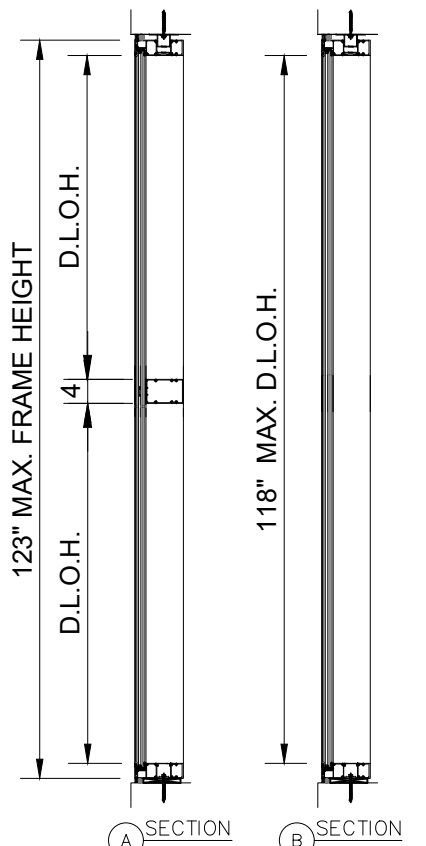
NOTE:
SEE CHART ON SHEET "T2" FOR MULLION CAPACITIES

NOTE:
GLASS COMPLIES WITH ASTM E1300-09 (3 SEC. GUSTS).

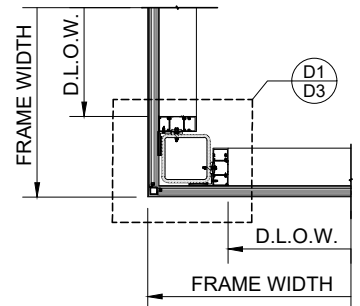
MAX. DESIGN LOADS PER GLASS AREA		
MAX. GLASS AREA (FT2)	DESIGN LOADS (PSF)	
	+	-
49.2	120	120

AREA= D.L.O.W. * D.L.O.H.

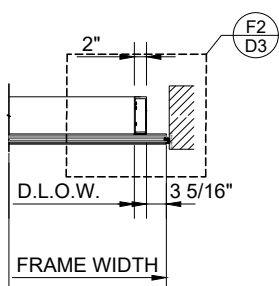
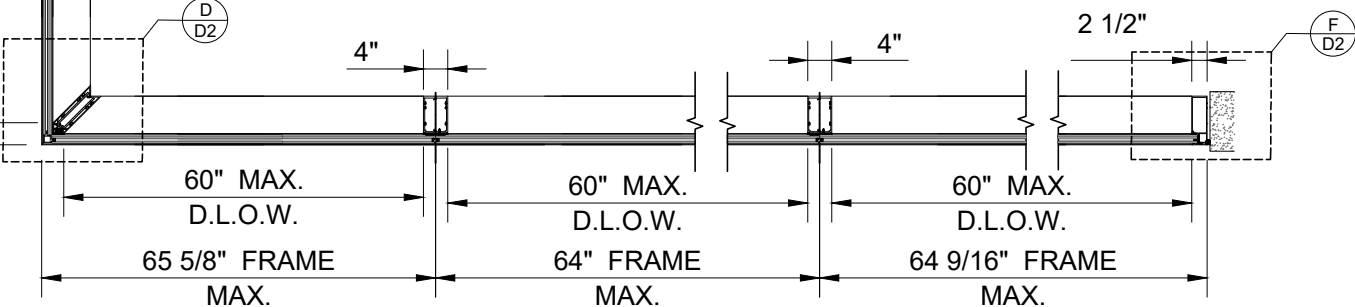
EXTENDED GLASS JAMB
OPTION



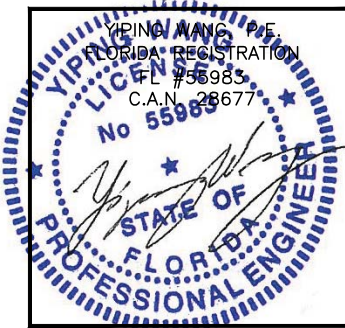
MAX. DESIGN LOADS PER SILICONE WIDTH		
MULLION SPACING (IN)	DESIGN LOADS (PSF)	
	+	-
72"	120	120



OPTION



OPTION



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SERIES EUSA-WW40 WINDOW WALL SYSTEM - SMI

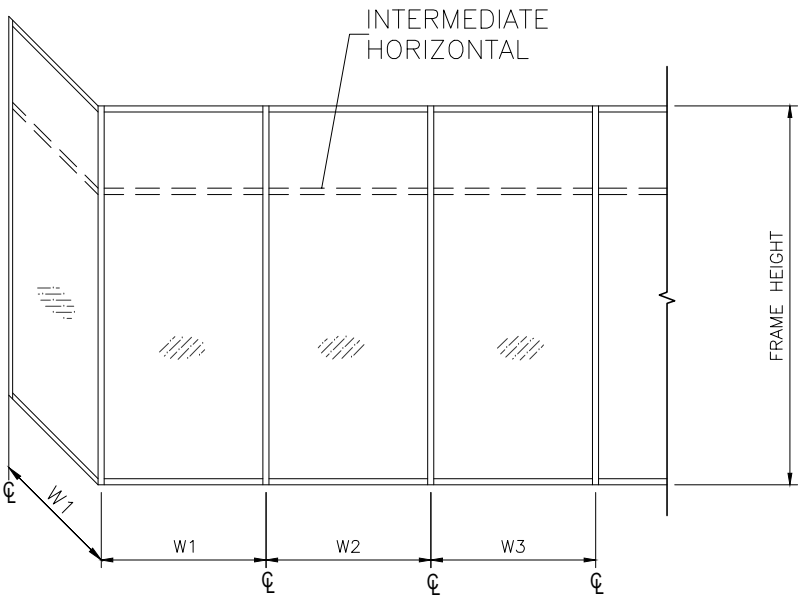
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FL#17865.2

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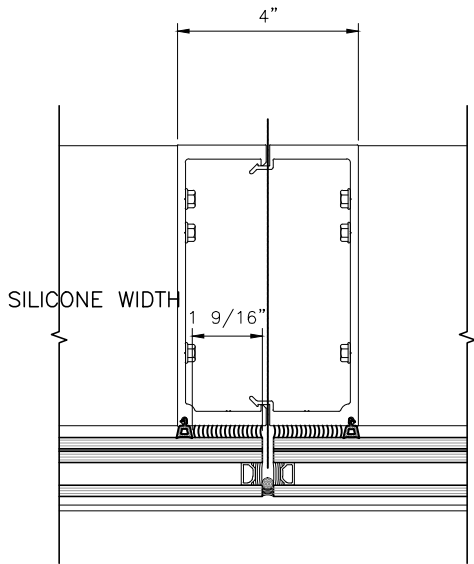
E2
DRAWING NO. AD15-46
4 OF 10

4" MULLION LOAD CAPACITY – PSF EXT.(+) & INT.(–)						
NOMINAL DIMS.		MULLION (M4)		CORNER (C1)	JAMB (J1)	JAMB (J2)
WIDTH (W)	FRAME HEIGHT	W/O HORIZ.	WITH HORIZ.	W/O HORIZ.	WITH HORIZ.	WITH HORIZ.
54"	108"	120	120	120	120	100
60"		120	120	120	120	100
66"		120	120	120	120	100
72"		120	120	120	120	100
54"	114"	120	120	120	120	100
60"		120	120	120	120	100
66"		120	120	120	120	100
72"		120	120	120	120	100
54"	117"	120	120	120	120	100
60"		120	120	120	120	100
66"		120	120	120	120	100
72"		120	120	120	120	100
54"	120"	120	120	120	120	100
60"		120	120	120	120	100
66"		120	120	120	120	100
72"		120	120	120	120	100
54"	123"	120	120	120	120	100
60"		120	120	120	120	100
66"		120	120	120	120	100
72"		120	120	120	120	100

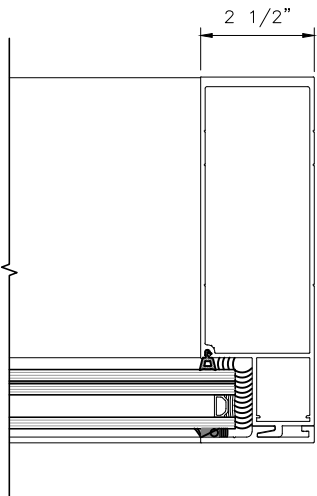


WIDTH (W) = W1
AT FRAME JAMB OR CORNER MULLION

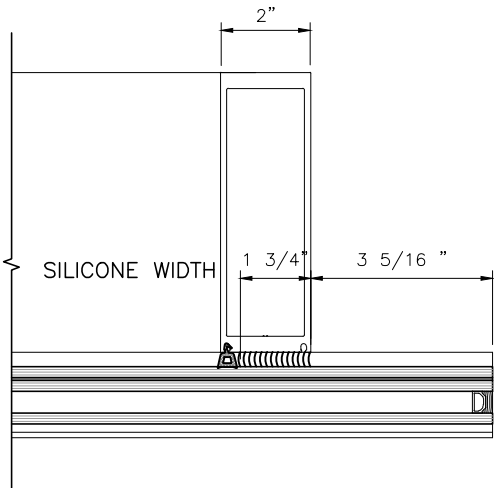
WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION



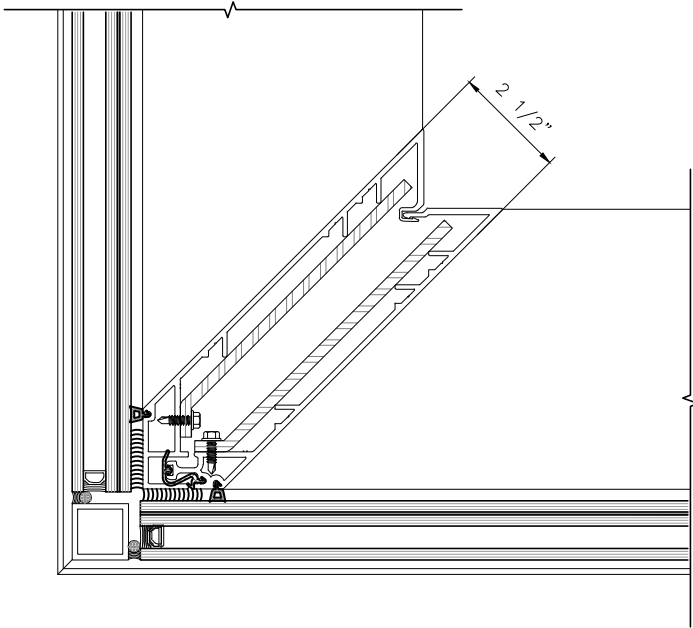
MULLION (M4)



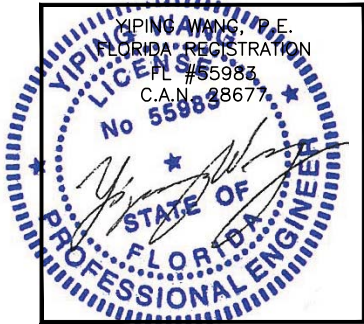
JAMB (J1)



JAMB (J2)



CORNER (C1)



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SERIES EUSA-WW40 WINDOWALL SYSTEM - SMI

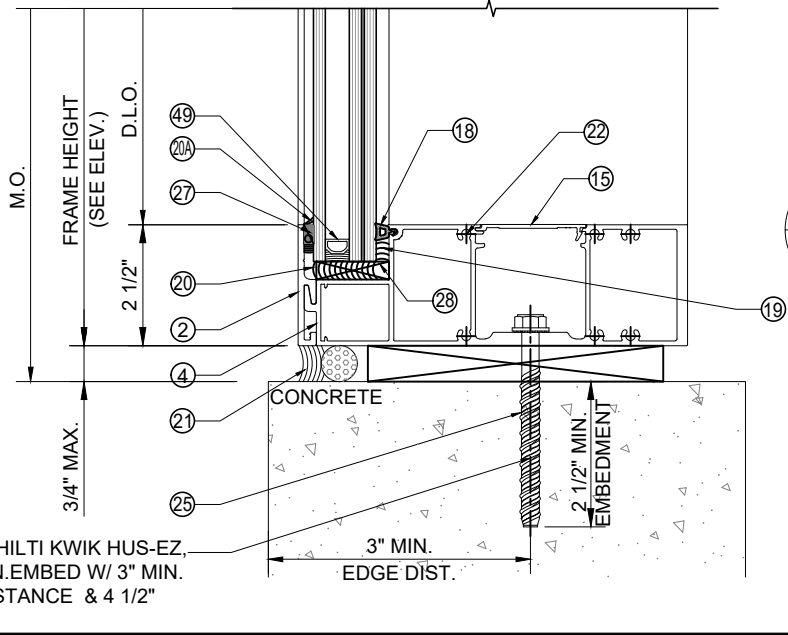
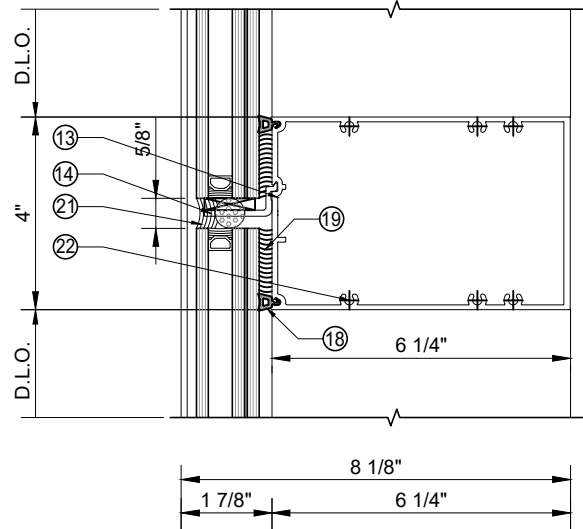
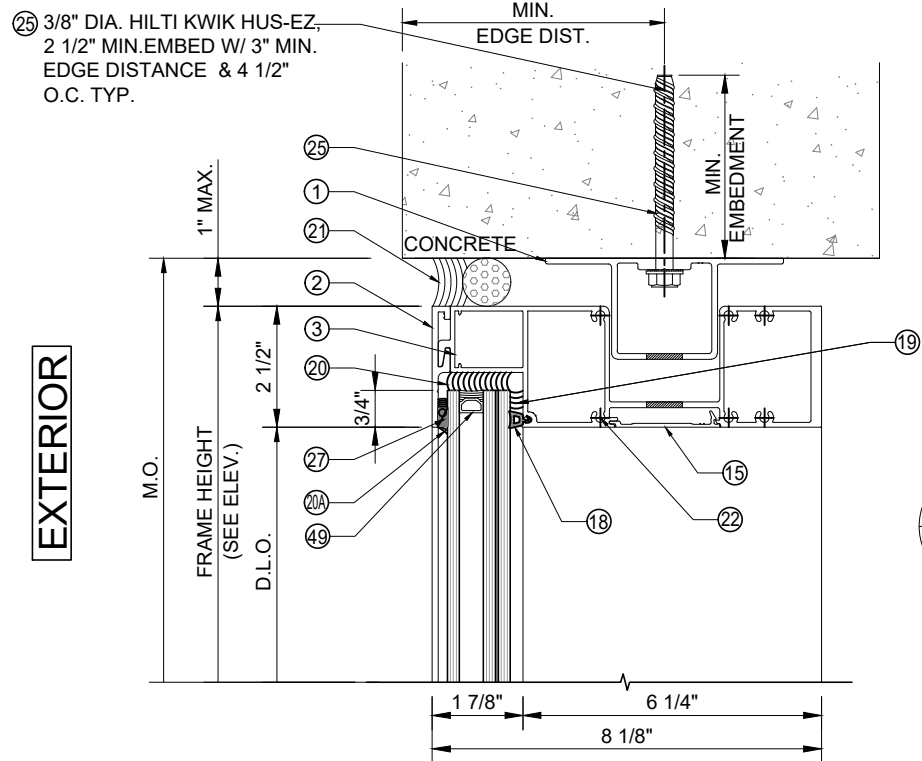
GLOBAL PERFORMANCE WINDOWS, INC.
DBA EPSYLON USA
2115 S.W. 2ND STREET POMPANO BEACH FL 33069
TEL.: (954) 942-3322 FAX: (954) 942-3215

FL#17865.2	
DATE	04-23-2021
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PROJECT	16-052
T2	
DRAWING NO. AD15-46	
5 OF 10	

EXTERIOR

EXTERIOR

EXTERIOR



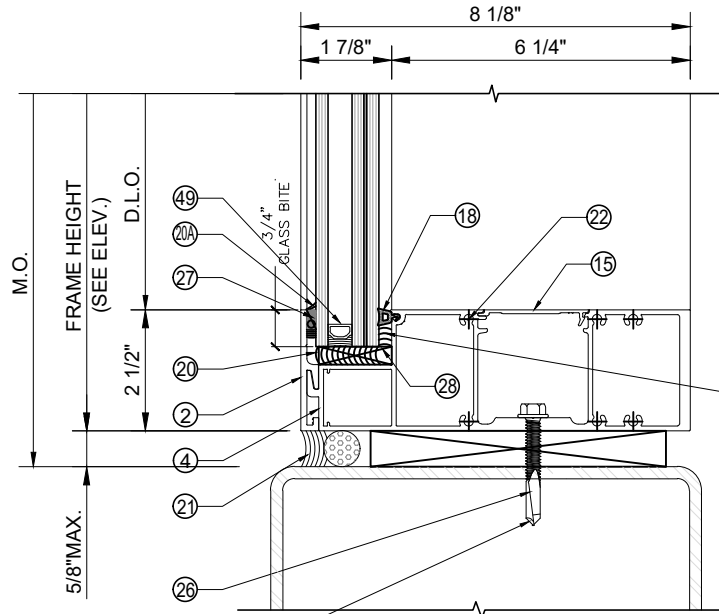
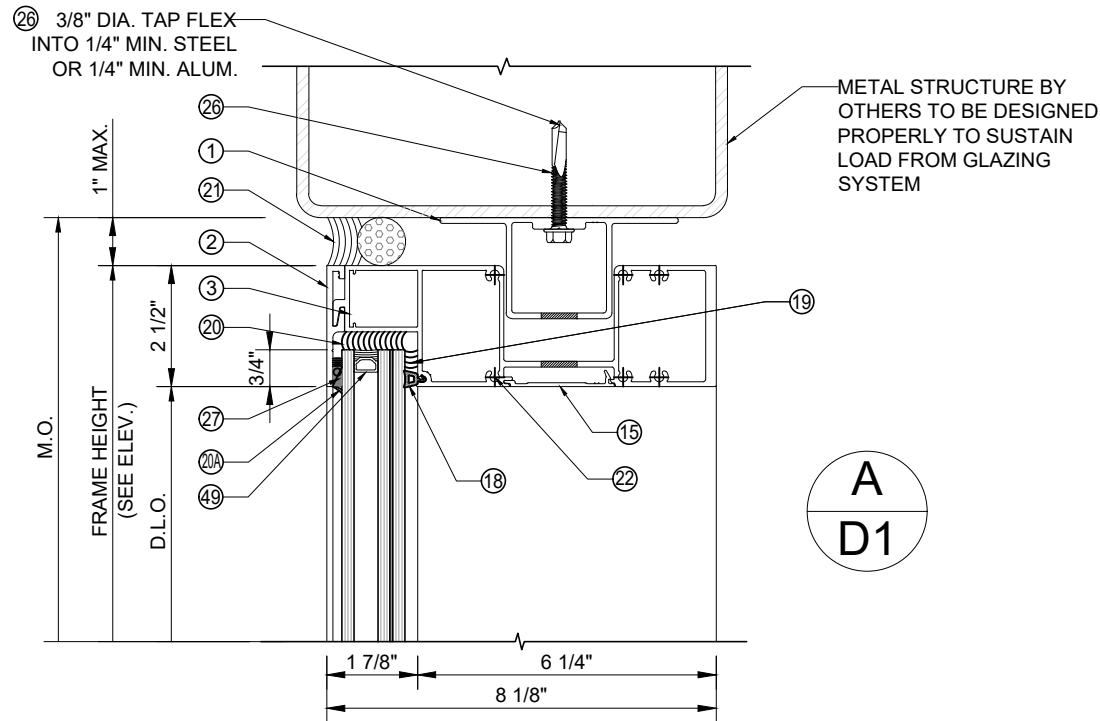
A
D1

B
D1

C
D1

EXTERIOR

EXTERIOR



26 3/8" DIA. TAP FLEX
INTO 1/4" MIN. STEEL
OR 1/4" MIN. ALUM.

A
D1

C
D1



April 30th, 2021

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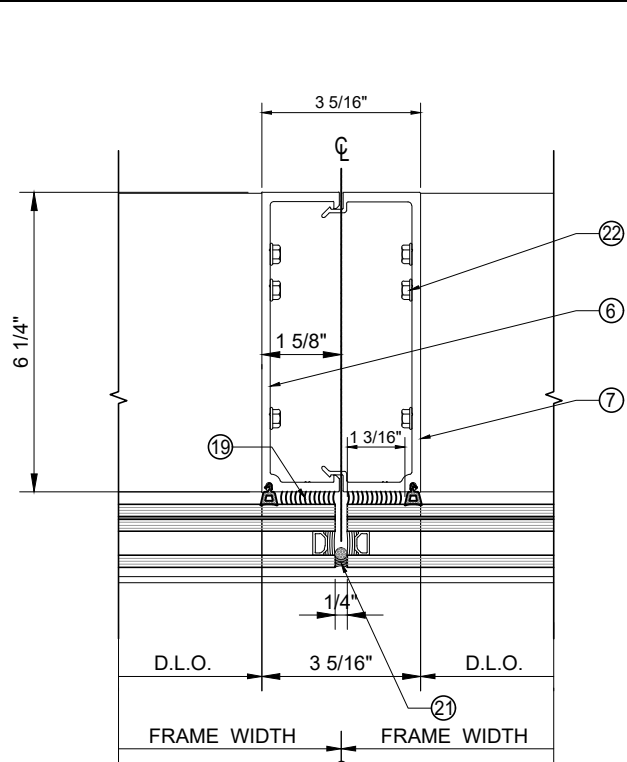
DATE	04-23-2021
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D1

DRAWING NO.

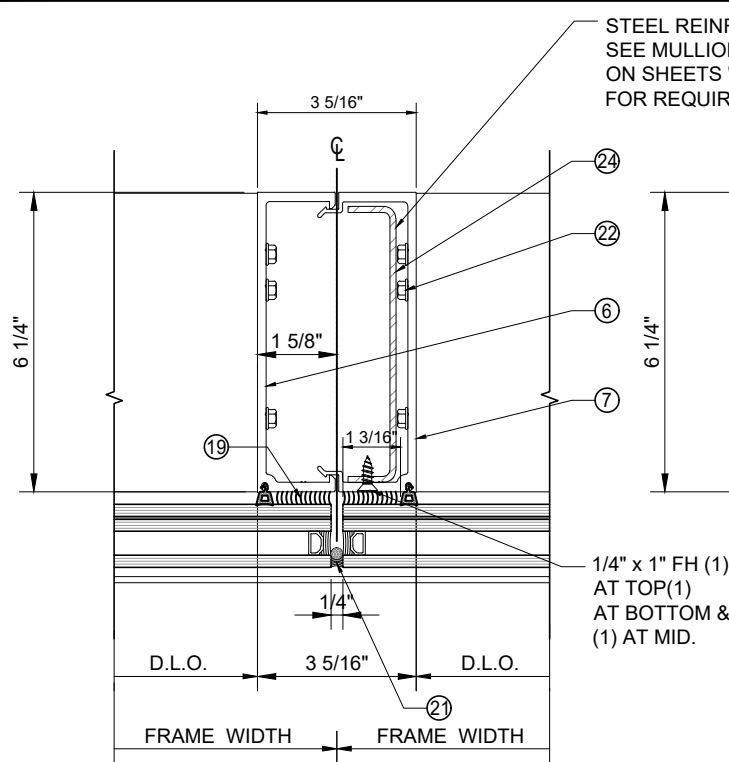
AD15-46

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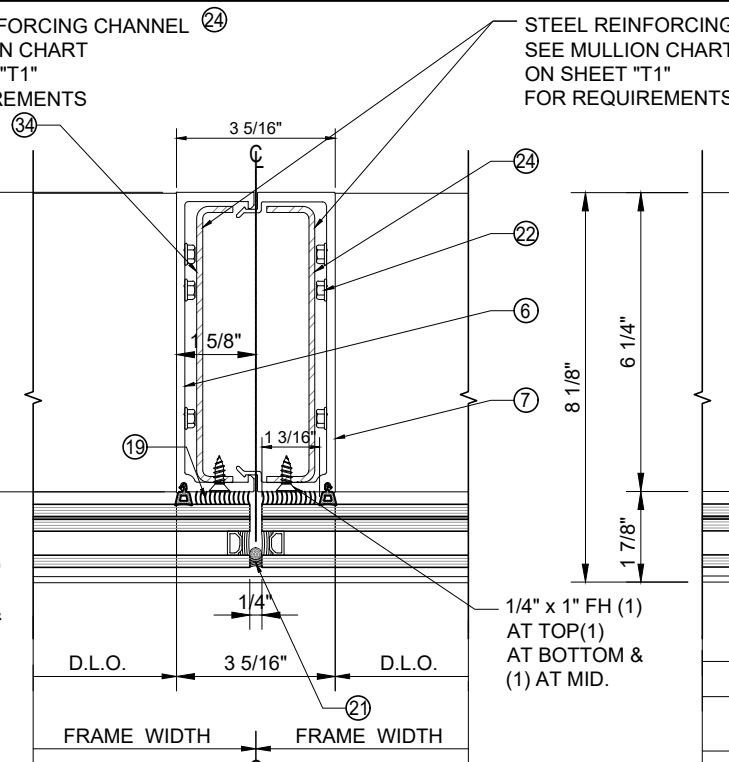
EXTERIOR

E
D2



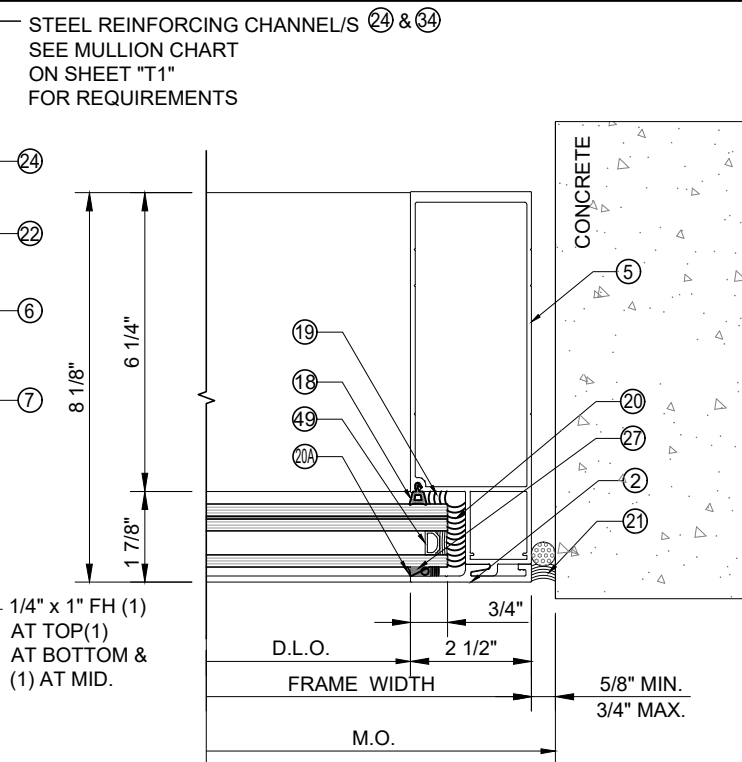
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E1
D2



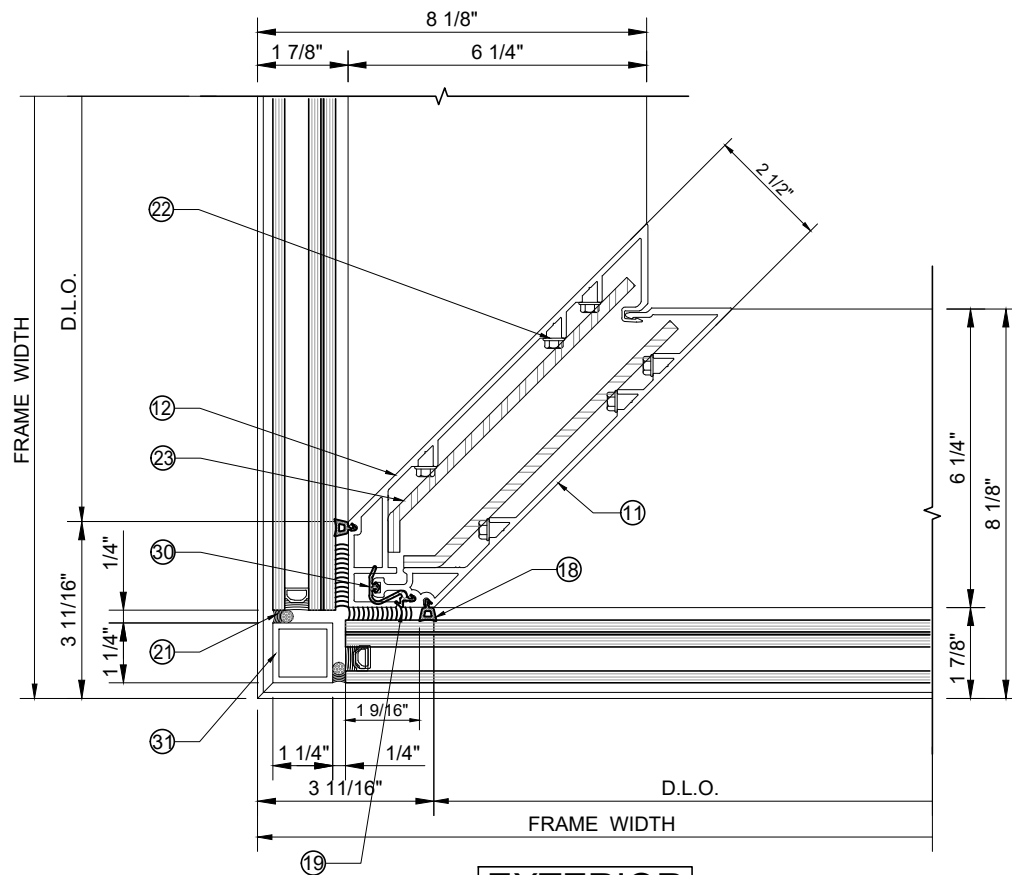
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E2
D2



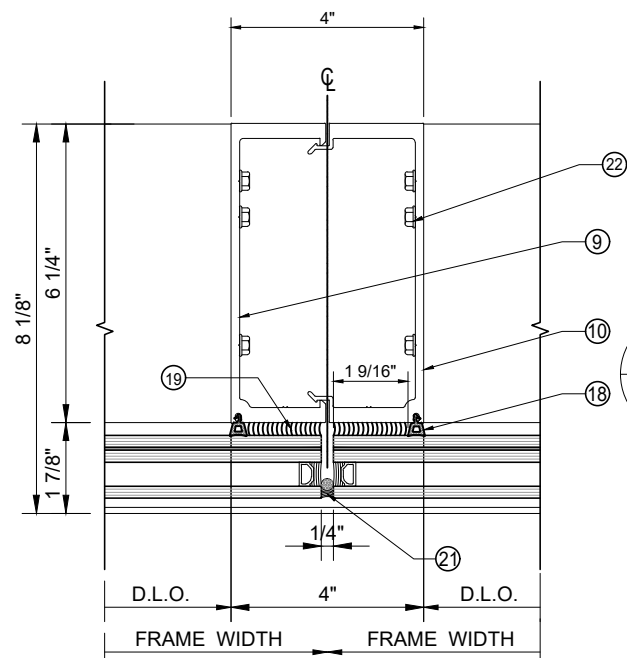
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F
D2



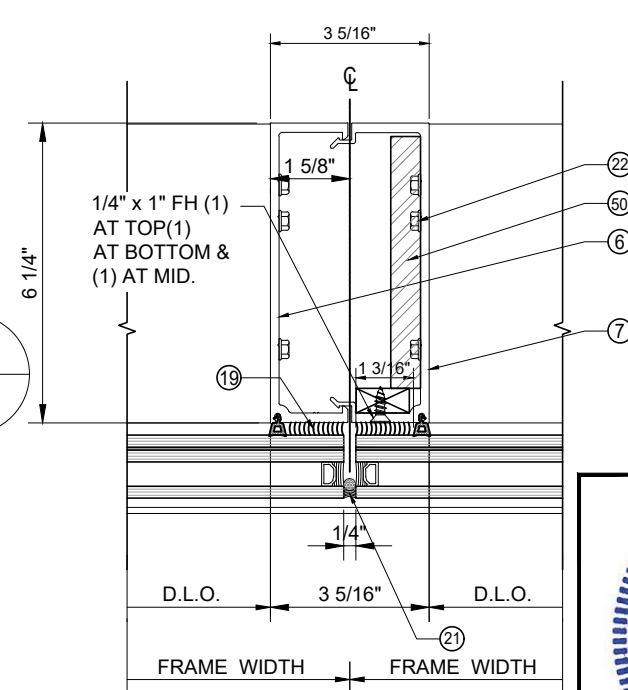
EXTERIOR

D
D2



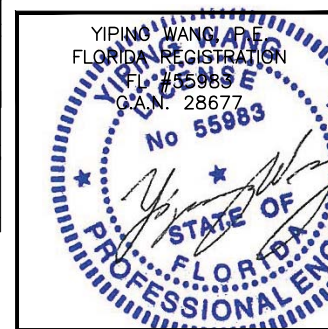
EXTERIOR

H
D2



EXTERIOR

I
D2



NO.	DATE	DESCRIPTION

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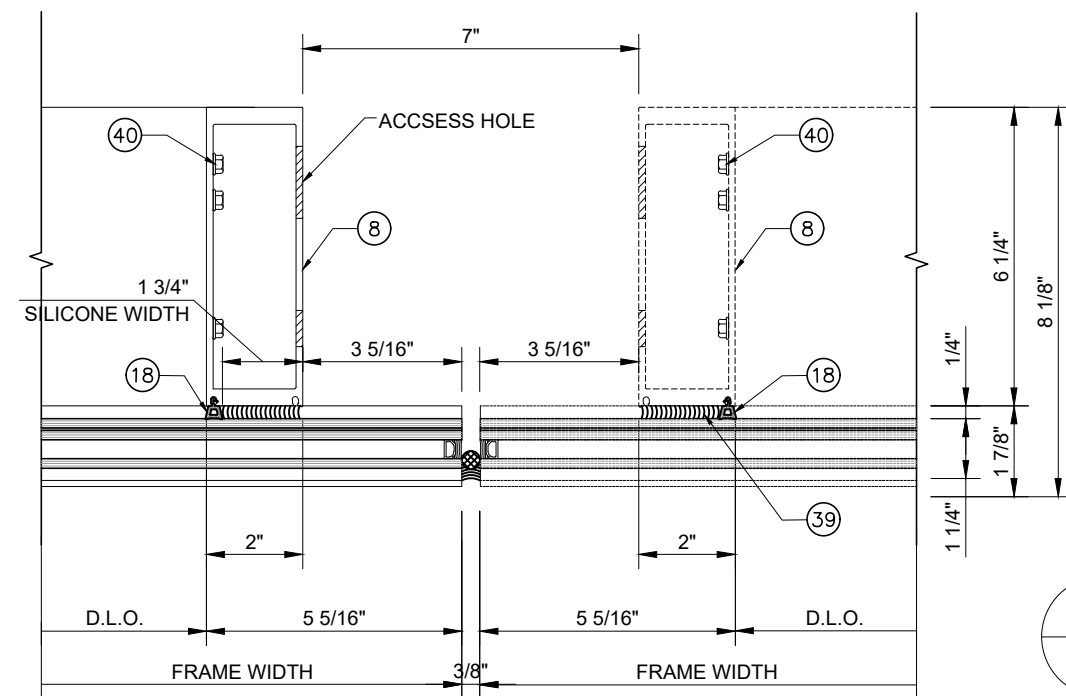
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MIRAMAR, FL 33027
P: 305.271.0117
www.MCYEngineering.com MCY@MCYENGINEERING.COM

SERIES EUSA-WW40 WINDOWALL SYSTEM - SMI

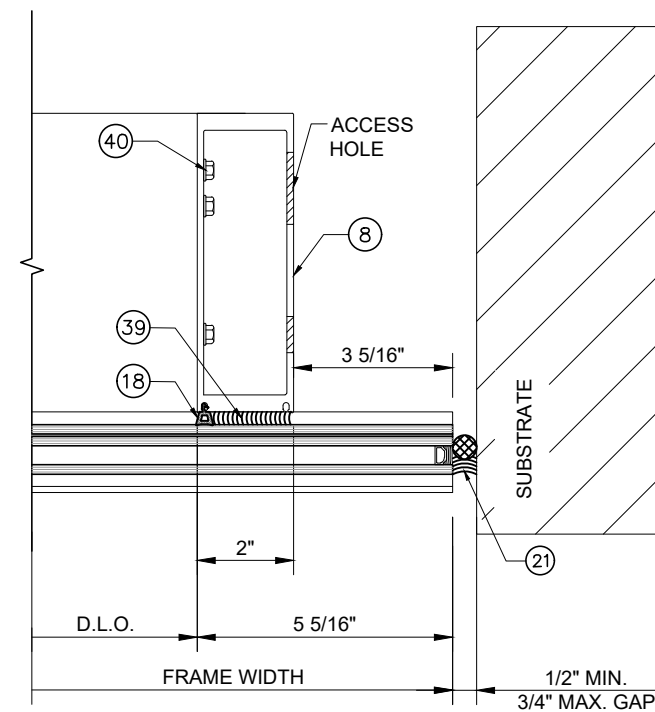
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DBA EPSYLON USA

2115 S.W. 2ND STREET POMPANO BEACH FL 33069
TEL.: (954) 942-3322 FAX: (954) 942-3215

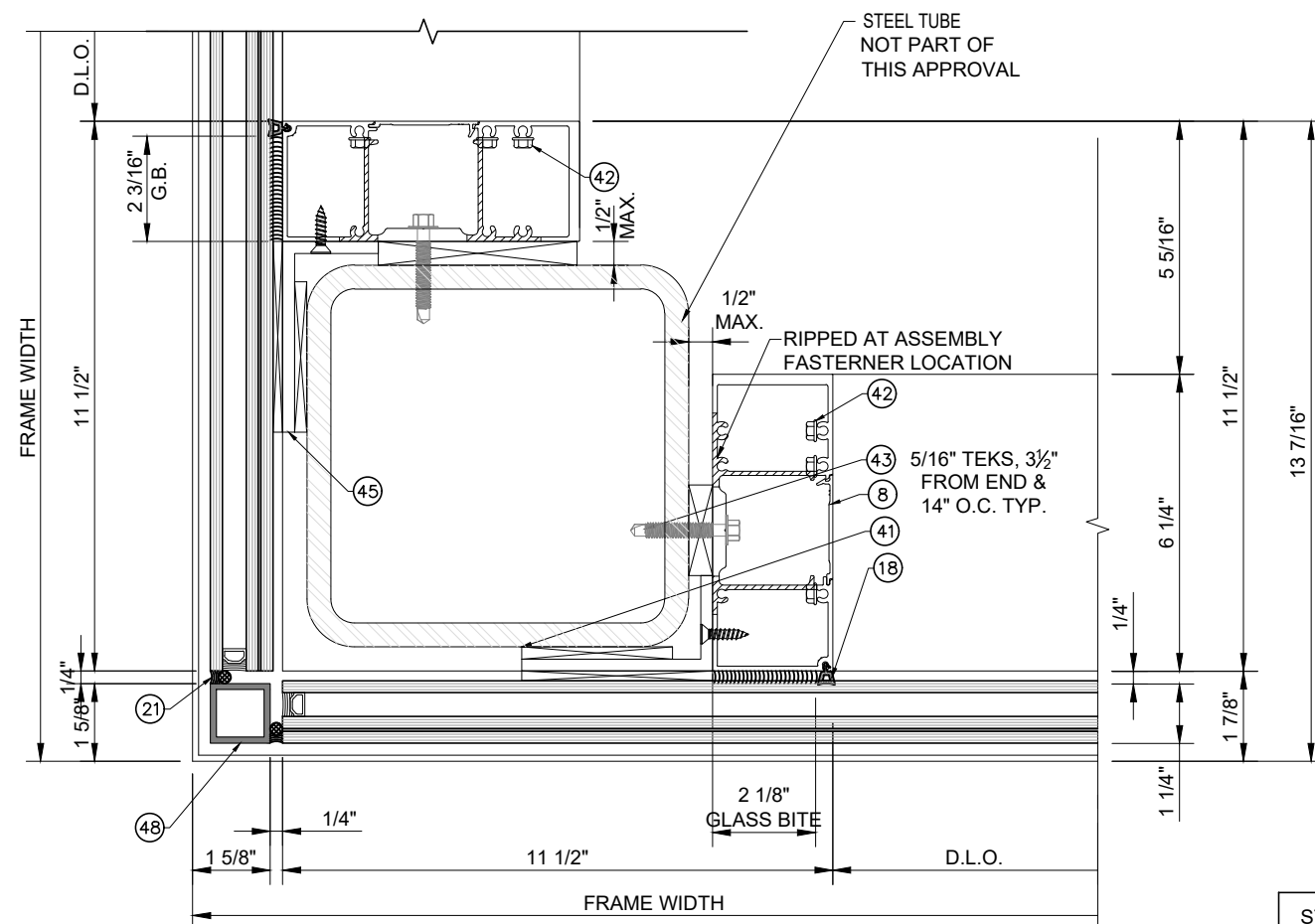
FL#17865.2
DATE 04-23-2021
SCALE AS NOTED
DRAWN M.C./Y.P.
PROJECT 16-052
D2
DRAWING NO. AD15-46
7 OF 10



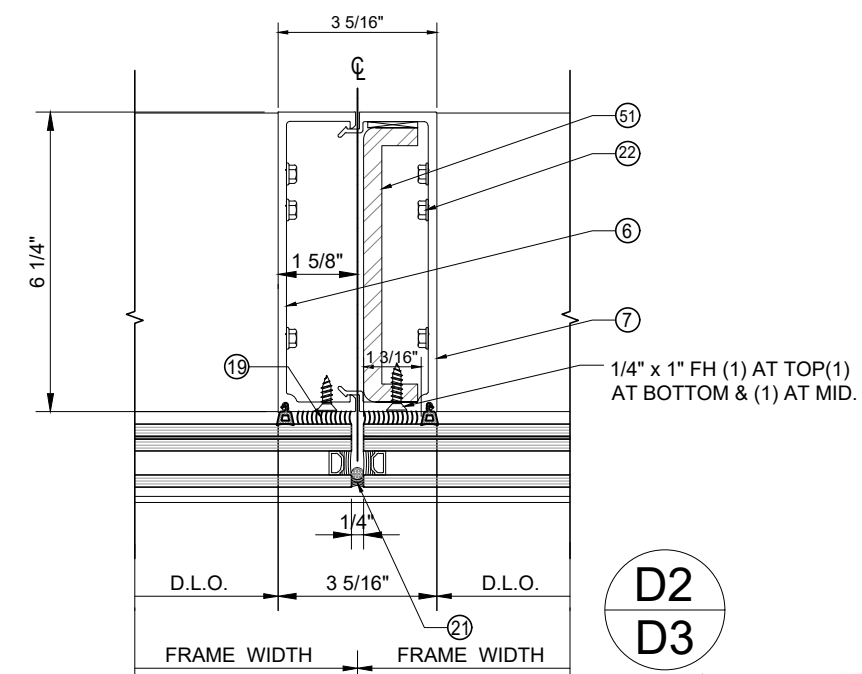
F1	OPTION
D3	



F2 OPTION
D3



D1 OPTION
D3



STEEL STRUCTURE BY OTHERS TO BE DESIGNED AND ANCHORED PROPERLY TO TRANSFER THE LOAD FROM GLAZING SYSTEM TO STRUCTURE.

EXTERIOR

EXTERIOR

REVISIONS		
NO.	DATE	DESCRIPTION

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PWKY. STE 301
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SERIES EUSA-WW40 WINDOW WALL SYSTEM - SMI
GLOBAL PERFORMANCE WINDOWS, INC.
DBA EPSYLON USA
2115 S.W. 2ND STREET POMPANO BEACH FL 33069
TEL.: (954) 942-3322 FAX: (954) 942-3215

FL#17865.2

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PROJECT	16-052

D3

DRAWING NO.
AD15-46

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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

⑤0 STEEL BAR
STEEL

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

⑤1 STEEL BAR
STEEL

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

⑰ ALUMINUM TUBE
ALUMINUM 6063-T6

⑳ VERTICAL SPLIT MULLION AIRSEAL
70 SILICONE

⑳ 1" X 5 3/4" X 1/8" THK
STEEL U CHANNEL

㉑ ALUMINUM TUBE
ALUMINUM 6063-T6

㉒ ALUMINUM TUBE
ALUMINUM 6063-T6

㉓ 1/4" COMPRESSION GASKET
EPDM 70

㉔ 1" X 5 3/4" X 1/8" THK
STEEL U CHANNEL

REVISIONS

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SERIES EUSA-WW40 WINDOWALL SYSTEM - SMI

GLOBAL PERFORMANCE WINDOWS, INC.
DBA EPSYLON USA

2115 S.W. 2ND STREET POMPANO BEACH FL 33069
TEL.: (954) 942-3322 FAX: (954) 942-3215

FL#17865.2

DATE	04-23-2021
SCALE	AS NOTED
DRAWN	M.C./Y.P.
PROJECT	16-052

PARTS

DRAWING NO.

AD15-46

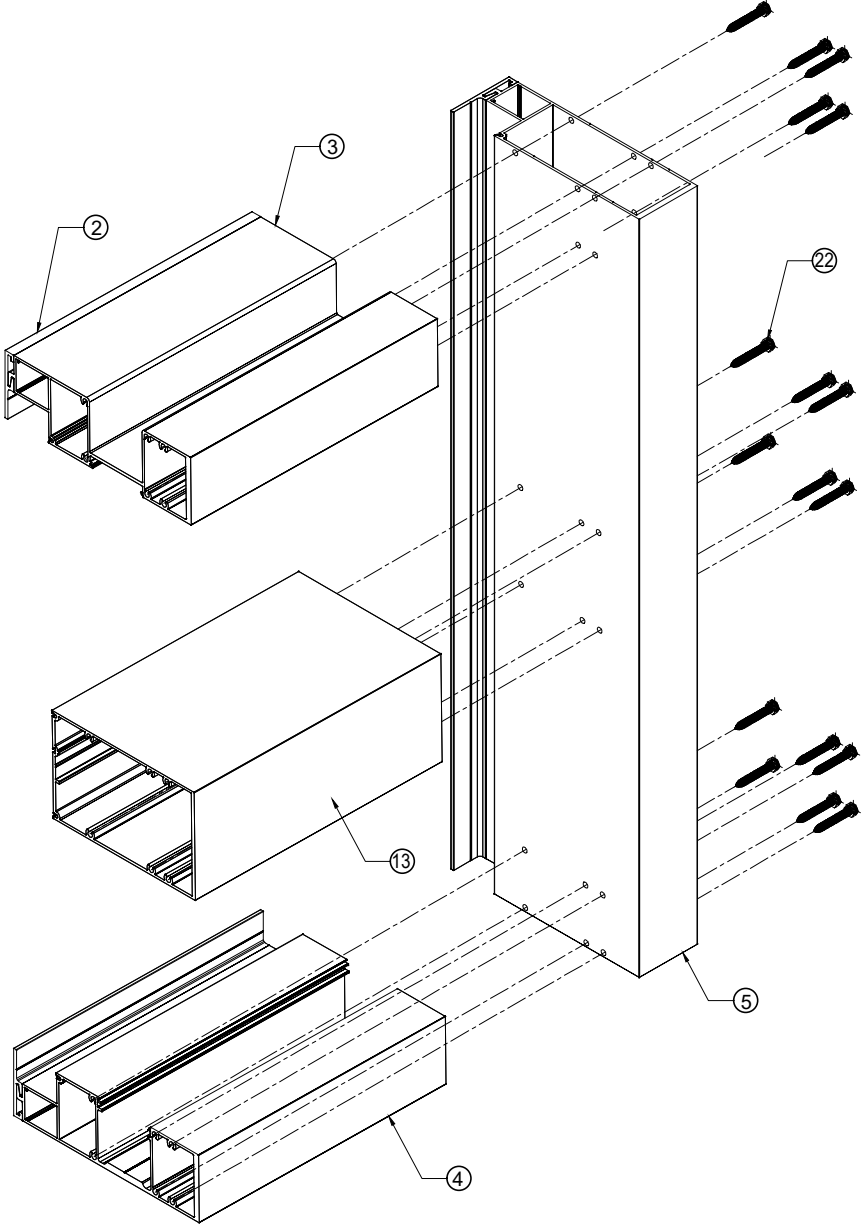
9 OF 10

YIPING WANG P.E.
FLORIDA REGISTRATION
P.E. #355985
C.A.N. 28677
No 55985
STATE OF FLORIDA
PROFESSIONAL ENGINEER

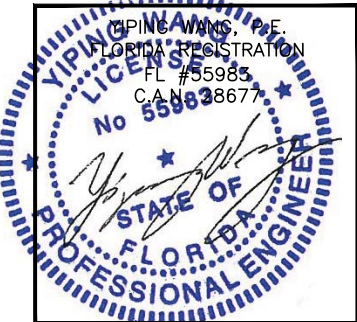
April 30th, 2021

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	21005	ALUMINUM 3" SPLIT MULLION (FEMALE)	6063 - T6
7	21006	ALUMINUM 3" SPLIT MULLION (MALE)	6063 - T6
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, 4 1/2" LONG MIN.	6063 - T6
15	64010	ALUMINUM SNAP ON COVER	6063 - T6
16	TYPE G1	(1 5/16") 1/4" FT+ 1/2" AS +1/4" FT +.060 SAFLEX + 1/4" FT	
16A	TYPE G2	(1 5/16") 1/4" FT+ 1/2" AS +1/4" HS +.060 TROSIFOL + 1/4" HS	
17	----	-0.060" SAFLEX BY EASTMAN CHEMICAL CO.	
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 DC795	
22	----	#14 HH SS ASSEMBLY SCREWS - 1 1/2" LONG	STAINLESS STEEL
23	----	3/4 X 7 X 1/4 THK STEEL BAR	STEEL A36 MIN.
24	---	1" X 5 3/4" X 1/8' THK STEEL U CHANNEL	STEEL A36 MIN.
25	----	Ø3/8" HILTI KWIK HUS EZ	STAINLESS STEEL
26	----	Ø3/8" ELCO TAP-FLEX OR 3/8" DIA. MACHINE BOLTS GRADE 5	----
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
33	----	NORTON TAPE 1/4" X 1/4", 2" LONG & 24" APART	
34	---	3/4" X 5 3/4" X 1/8' THK STEEL U CHANNEL	STEEL
35	21015	ALUMINUM 2 1/2" VERTICAL SPLIT MULLION	ALUM. 6063-T6
36	64013	ALUMINUM SNAP ON COVER	ALUM. 6063-T6
37	----	ALUMINUM 1 1/4" X 2 1/2" TUBE MULLION, 1/8" THK.	ALUM. 6063-T6
38	----	ALUMINUM ANGLE 2" X 2" X 1/8" THK.	ALUM. 6063-T6
39	----	PROGLAZE II (TREMCO), DOW CORNING DC 983 OR GE 4600SG	SILICONE
40	----	#12 HH SS ASSEMBLY SCREWS - 1 1/2" LG	ST/ST
41	----	PLASTIC SHIM	PLASTIC
42	----	#12 HH SS ASSEMBLY SCREWS- 1 1/2" LG.	----
43	----	5/16-" X 1 1/2" LG TEKS @ 3 1/2" FROM ENDS, 14" O.C.	ST/ST
44	----	#8 X 3/4" FH SS TEK SCREW @ 24" O.C.	ST/ST
45	----	4" X 2" X 1/4" ALUMINUM ANGLE	ALUM. 6063-T6
46	----	ALUMINUM INTERIOR CORNER CAPPING, 0.090" THK IN PLACE W/ SILICONE	ALUMINUM
47	----	ALUMINUM INTERIOR 1/8" THK IN PLACE WITH SILICONE	ALUMINUM
48	----	ALUMINUM 1 1/2" X 1 1/2" TUBE MULLION	ALUM. 6063-T6
49	----	THERMOPLASTIC SPACER (KÖDISPACE 4SG) BY KÖMMERLING	PLASTIC
50	----	5-1/4" X 5/8" THK. STEEL BAR (A36) REINFORCEMENT	STEEL
51	----	STEEL REINFORCEMENT CHANNEL 1 1/4" X 5 1/4" X 3/8" THK.	STEEL



**FRAME ASSEMBLY
ISOMETRIC VIEW**



REVISIONS	
NO.	DESCRIPTION

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

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MIRAMAR, FL 33027
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