

1/4" TEMPERED GLASS

1/2" AIR SPACE

1/4" HEAT STRENGTHENED GLASS

0.090" SENTRYGLAS INTERLAYER BY KURARAY AMERICA, INC.

1/4" HEAT STRENGTHENED GLASS

ALUMINUM SPACER

3/4" MIN. GLASS BITE

3/8"

16

20A

27

18

19

28

20

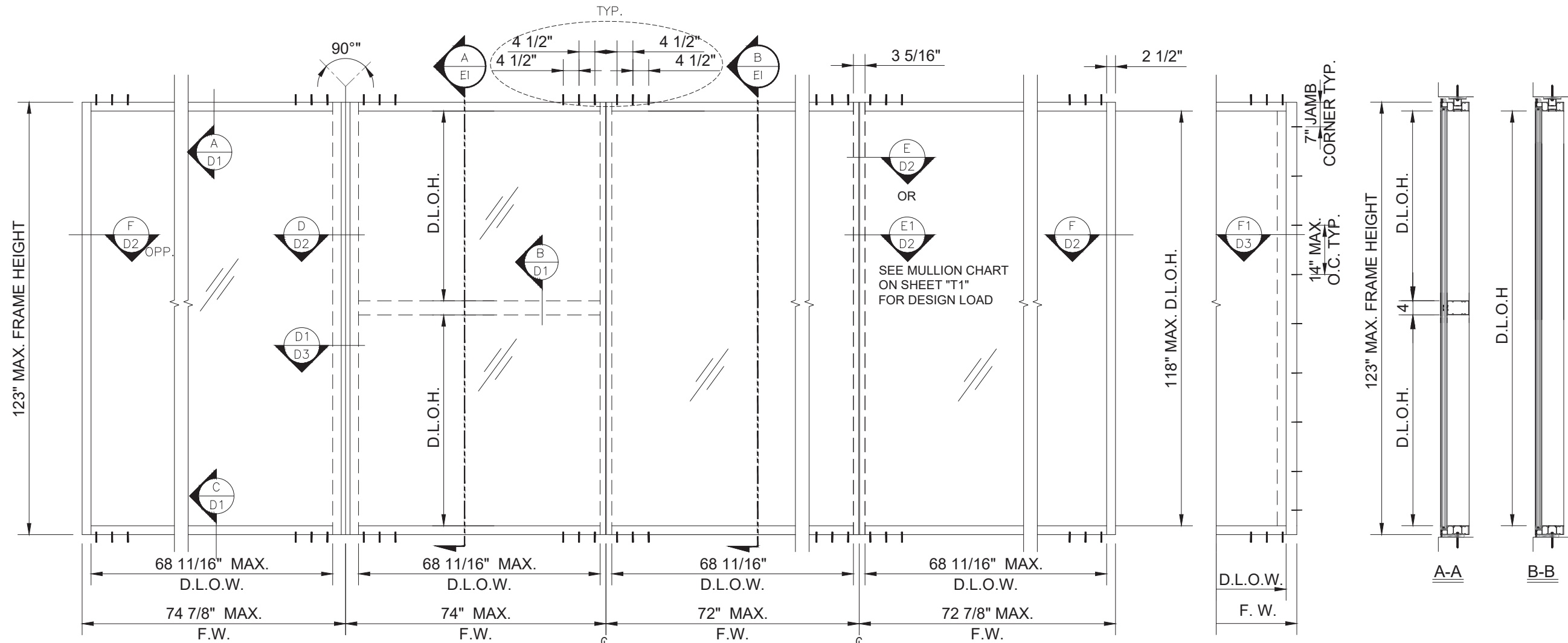
GLASS TYPE "G1"

1 5/16" NOMINAL OVERALL

NOTE:
GLASS COMPLIES WITH ASTM

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

1 OF 12



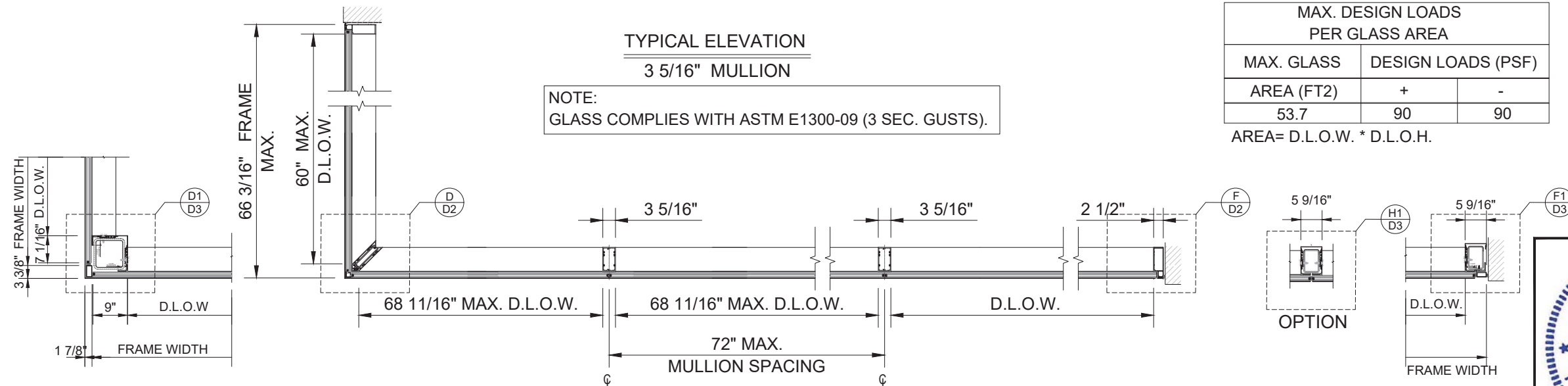
ANCHORED JAMB
OPTION

MAX. DESIGN LOADS PER GLASS AREA		
MAX. GLASS AREA (FT ²)	DESIGN LOADS (PSF)	
	+	-
53.7	90	90

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

TYPICAL ELEVATION
3 5/16" MULLION

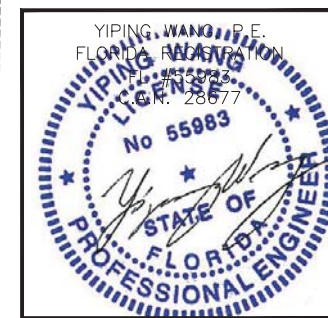
NOTE:
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OPTION

OPTION

OPTION



REVISIONS	
NO.	DESCRIPTION
01	08.08.23 FBC - 2023

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

MCY

12781 MIRAMAR PKWY. STE. 301
MIRAMAR, FL 33027 P: 305.271.0117
www.MCYEngineering.com MCY@MCYENGINEERING.COM

SERIES EUSA-WW40 WINDOW WALL SYSTEM - LMI & SMI

GLOBAL PERFORMANCE WINDOWS, INC.
DBA EPSYLON USA

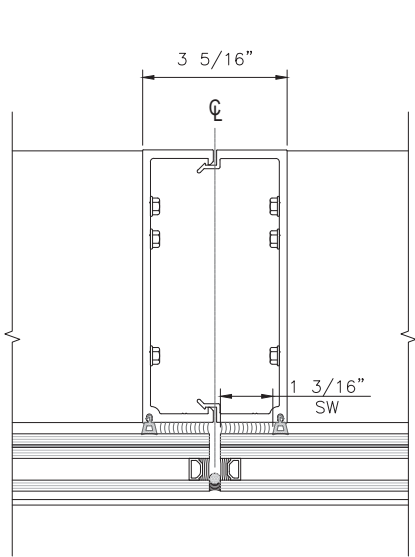
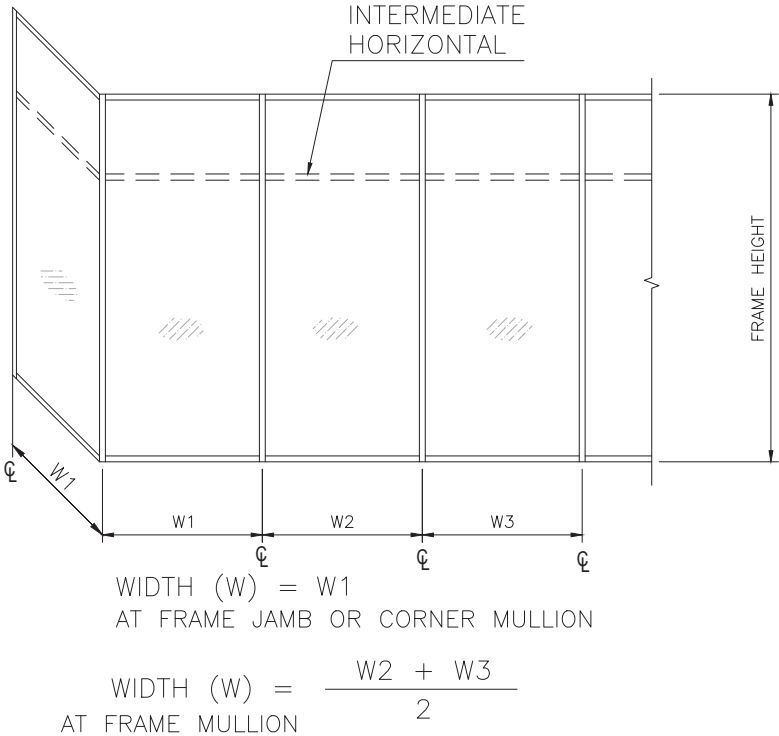
2115 S.W. 2ND STREET POMPANO BEACH FL 33069
TEL.: (954) 942-3322 FAX: (954) 942-3215

FL#19959.1

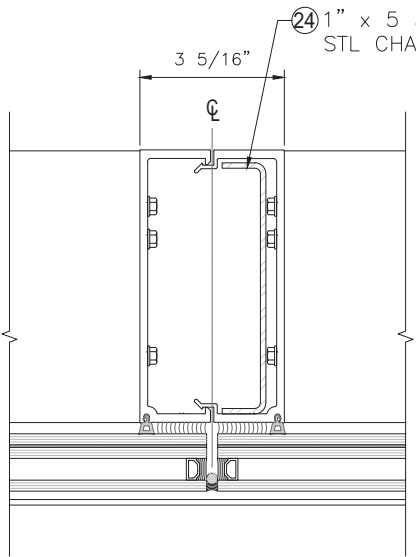
DATE	08.08.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	16-051

E1
DRAWING NO. AD16-22
2 OF 12

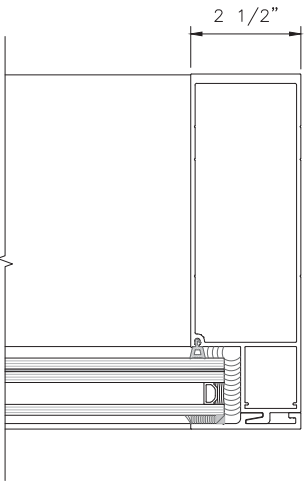
3 5/16" MULLION LOAD CAPACITY - PSF						
EXT.(+) & INT.(-)						
NOMINAL DIMS.		MULLION (M1)		MULLION (M2)	JAMB (J1)	CORNER (C1)
WIDTH (W)	FRAME HEIGHT	W/O HORIZ.	WITH HORIZ.	W/WO HORIZ.	W/WO HORIZ.	W/WO HORIZ.
54"	108"	90	90	90	90	90
60"		90	90	90	90	90
66"		90	90	90	90	90
72"		90	90	90	90	90
54"	114"	90	90	90	90	90
60"		90	90	90	90	90
66"		90	90	90	90	90
72"		90	90	90	90	90
54"	117"	90	90	90	90	90
60"		90	90	90	90	90
66"		90	90	90	90	90
72"		90	90	90	90	90
54"	120"	90	90	90	90	90
60"		90	90	90	90	90
66"		90	90	90	90	90
54"	123"	90	90	90	90	90
60"		90	90	90	90	90
64"		90	90	90	90	90



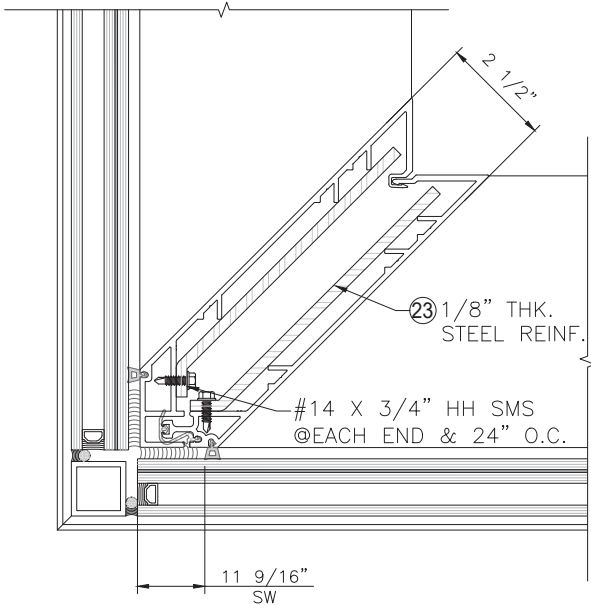
MULLION (M1)



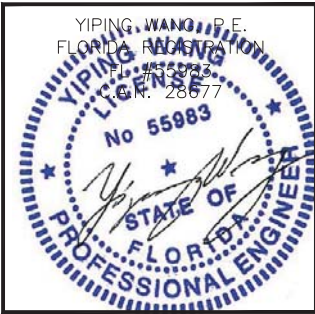
MULLION (M2)



JAMB (J1)



CORNER (C1)

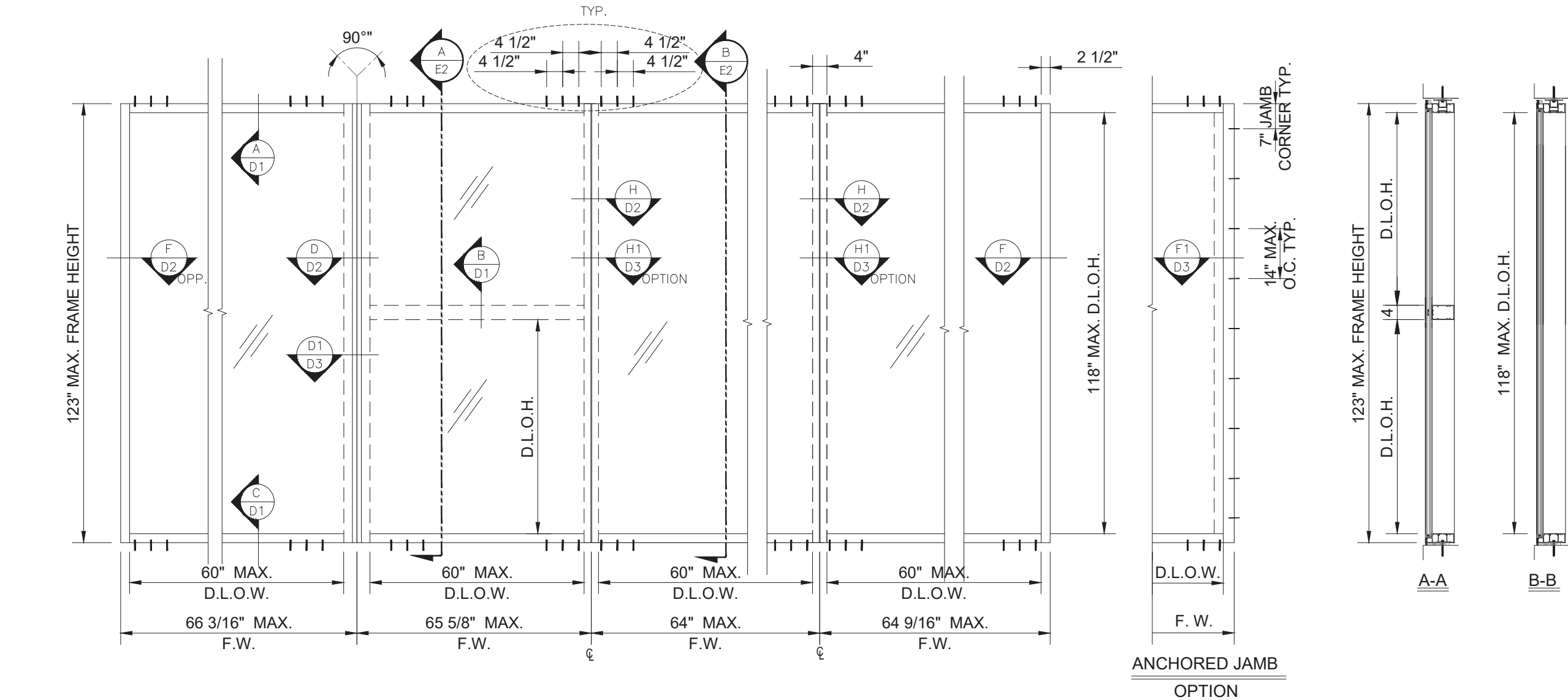


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12781 MIRAMAR PKWY. STE. 301			
MIRAMAR, FL 33027			
www.MCYEngineering.com			
P: 305.271.0117			
MCY@MCYENGINEERING.COM			

SERIES EUSA-WW40 WINDOW WALL SYSTEM - LMI & 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#19959.1	DATE	08.08.2023
	SCALE	AS NOTED
	DRAWN	James
	PROJECT	16-051
	T1	
	DRAWING NO.	AD16-22
	3 OF 12	



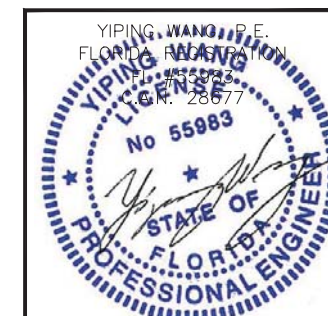
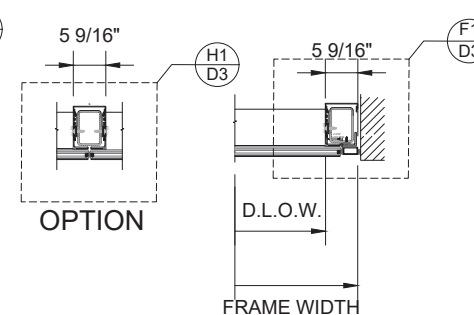
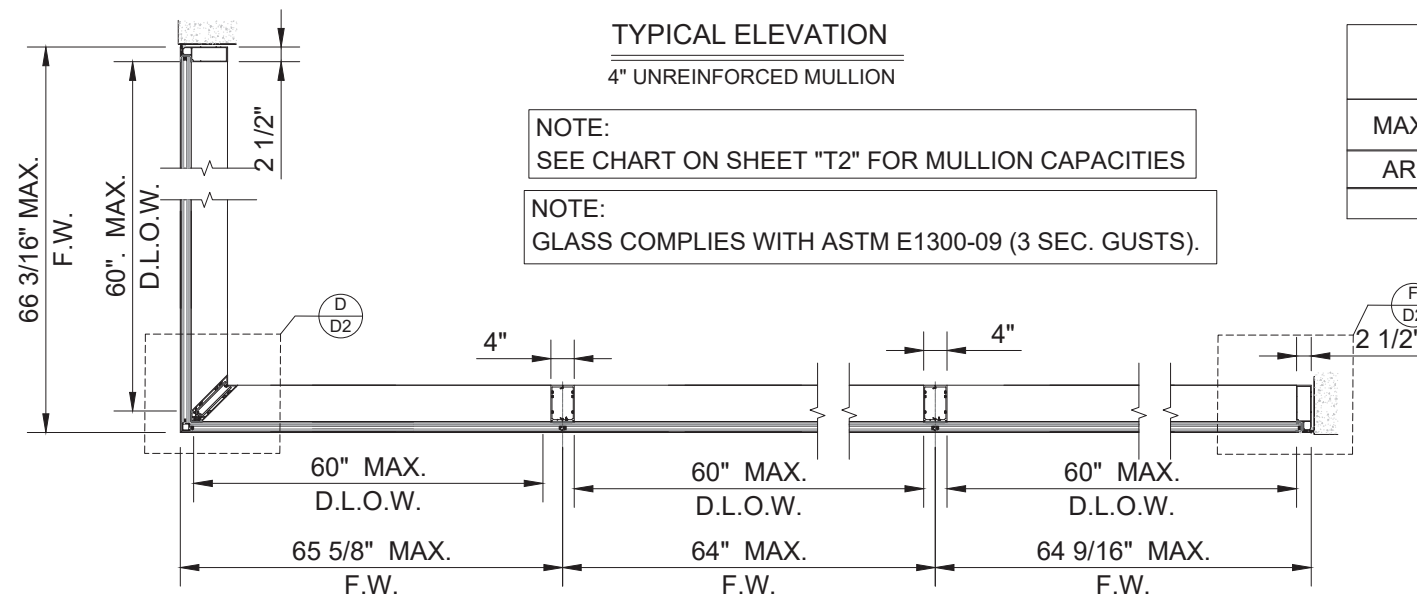
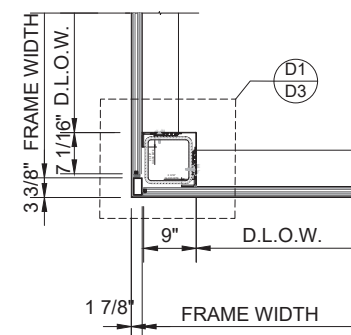
TYPICAL ELEVATION
4" UNREINFORCED MULLION

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 (FT ²)	DESIGN LOADS (PSF)	
	+	-
49.2	120	120

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



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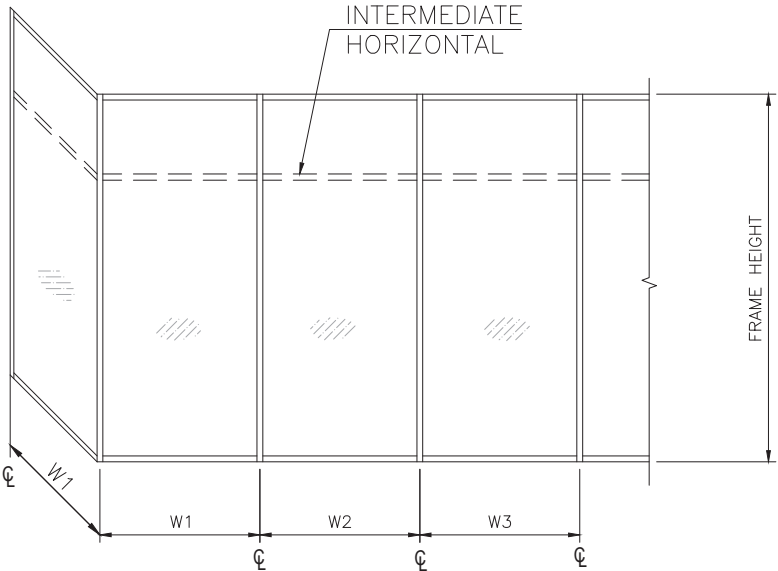
E2

DRAWING NO.
AD16-22

4 OF 12

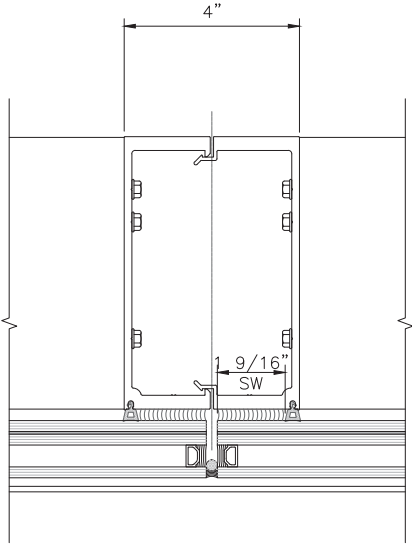
August 08th, 2023

4" MULLION LOAD CAPACITY - PSF				
EXT.(+) & INT.(-)				
NOMINAL DIMS.		MULLION (M3)	CORNER (C1)	JAMB (J1)
WIDTH (W)	FRAME HEIGHT	W/WO HORIZ.	W/WO HORIZ.	W/WO HORIZ.
54"	108"	120	120	120
60"		120	120	120
66"		120	120	120
72"		120	120	120
54"	114"	120	120	120
60"		120	120	120
66"		120	120	120
54"	117"	120	120	120
60"		120	120	120
66"		120	120	120
54"	120"	120	120	120
60"		120	120	120
66"		120	120	120
54"	123"	120	100	120
60"		120	100	120
64"		120	100	120

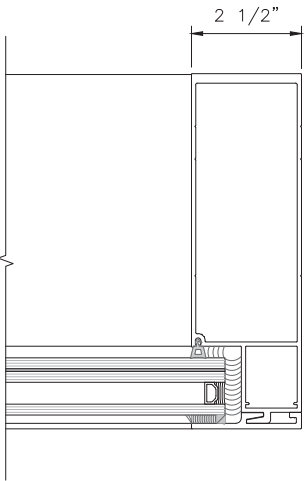


WIDTH (W) = W1
AT FRAME JAMB OR CORNER MULLION

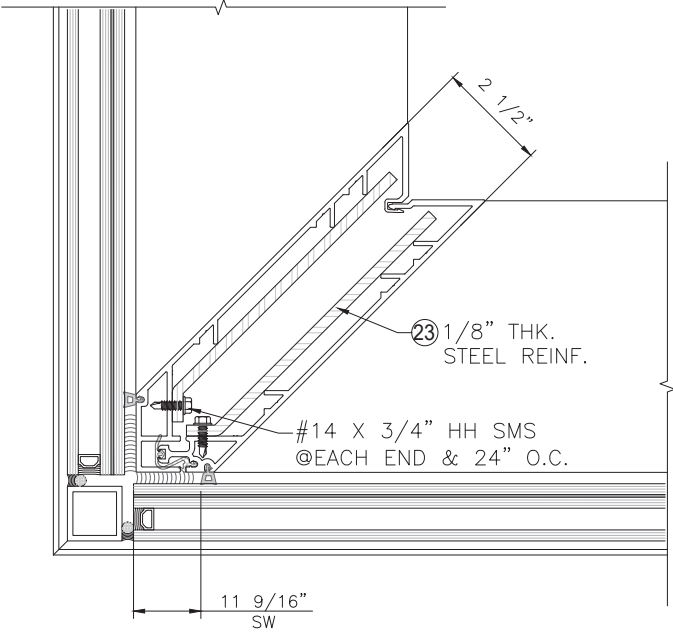
WIDTH (W) = $\frac{W2 + W3}{2}$
AT FRAME MULLION



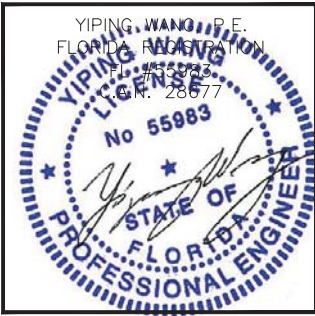
MULLION (M3)



JAMB (J1)



CORNER (C1)



REVISIONS

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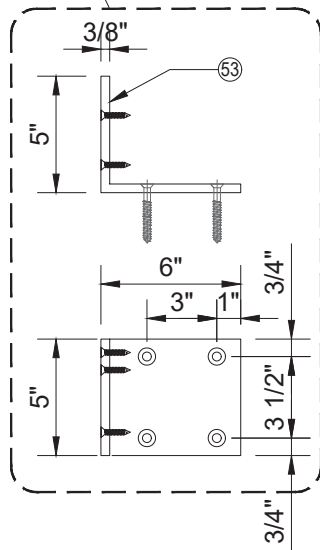
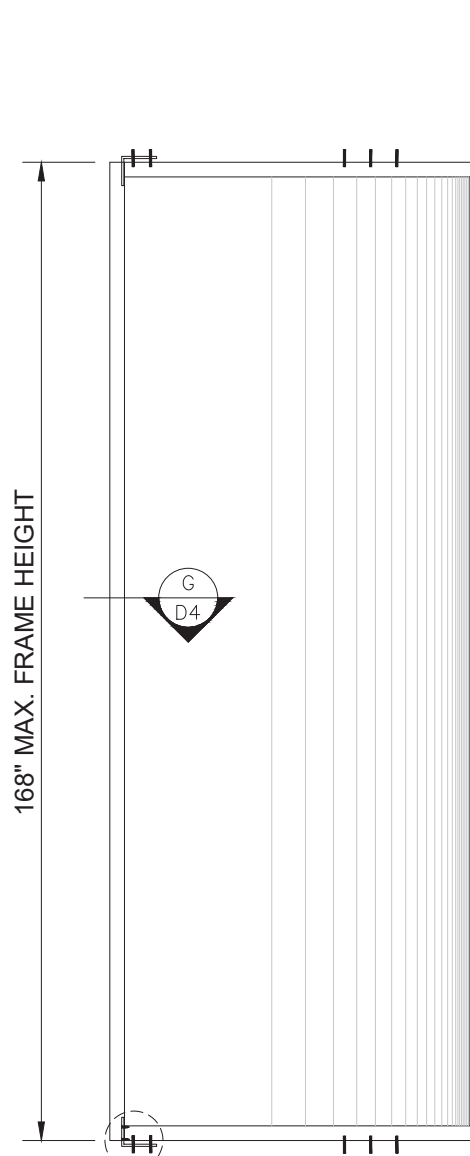
FL#19959.1

DATE	08.08.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	16-051

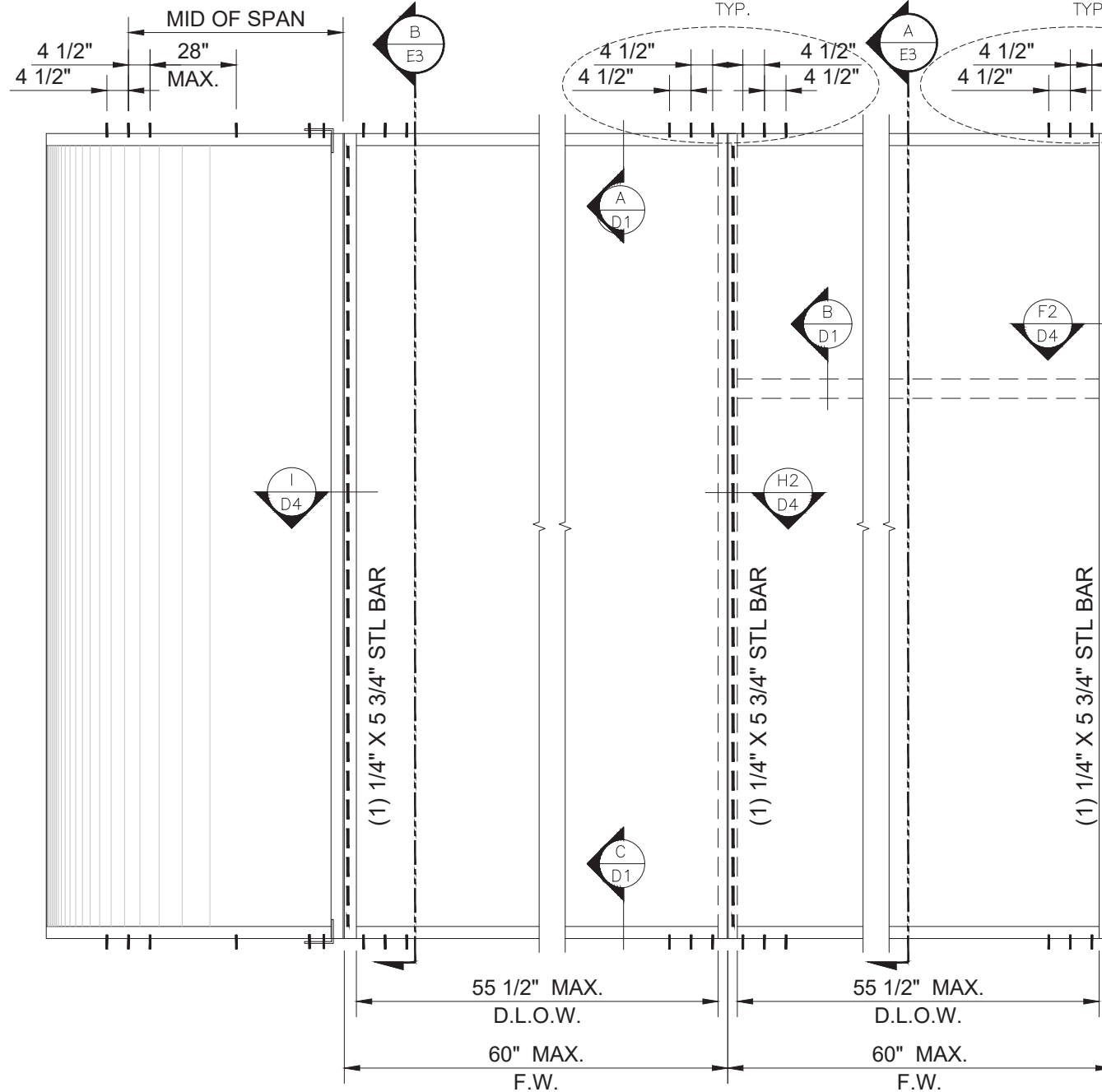
T2

DRAWING NO.
AD16-22

5 OF 12



TYPICAL ANCHOR DETAIL

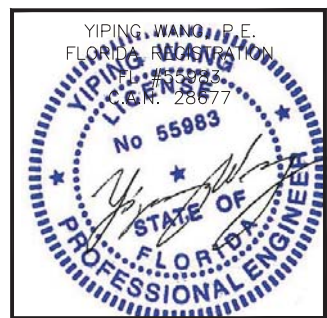
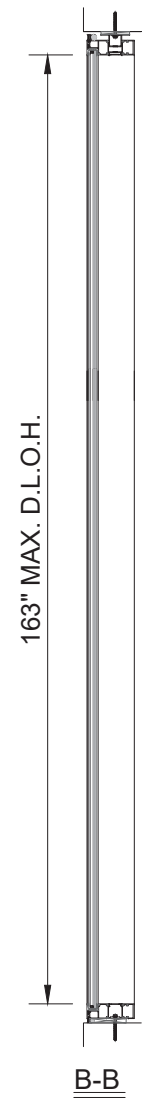
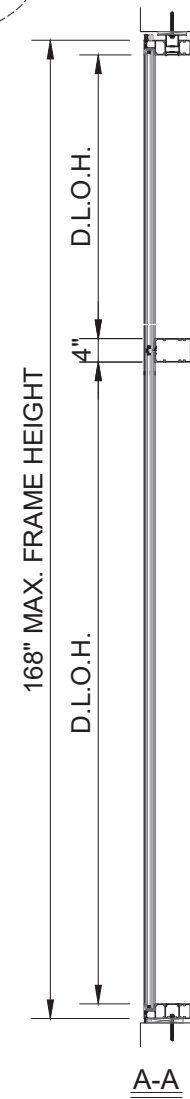
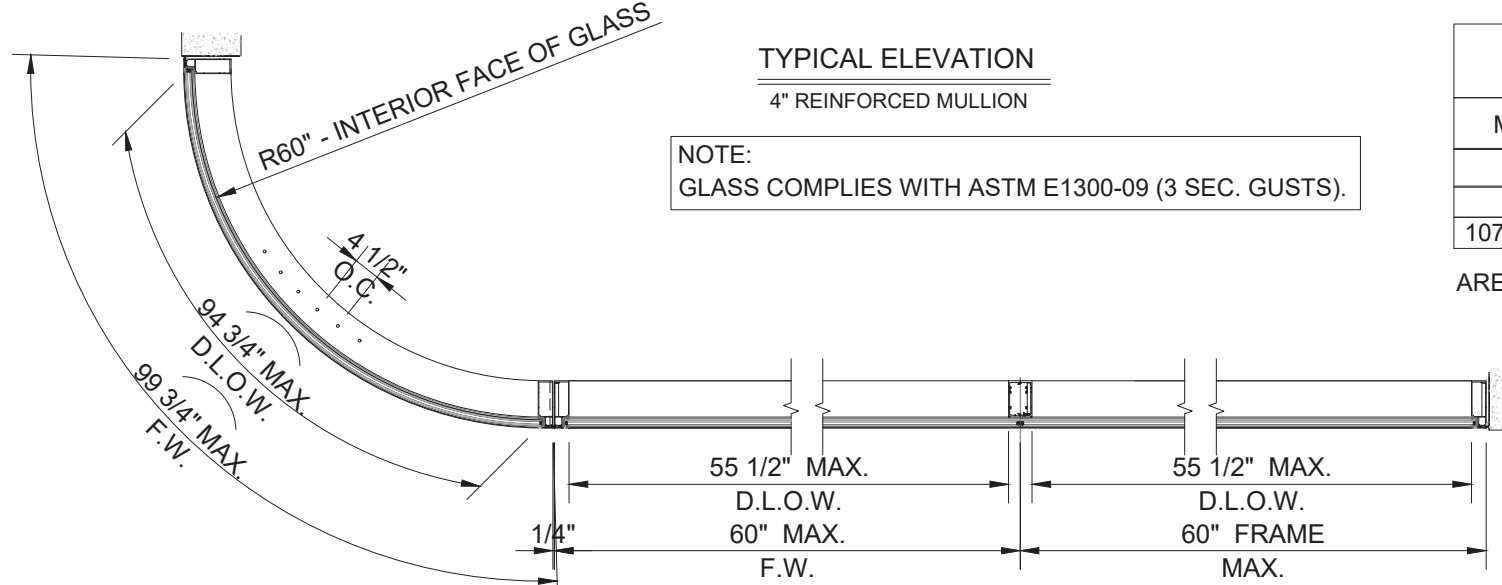


TYPICAL ELEVATION
4" REINFORCED MULLION

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

MAX. DESIGN LOADS PER GLASS AREA		
MAX. GLASS AREA (FT ²)	DESIGN LOADS (PSF)	
	+	-
62.7 (FLAT)	90	90
107.3 (CURVED)	90	90

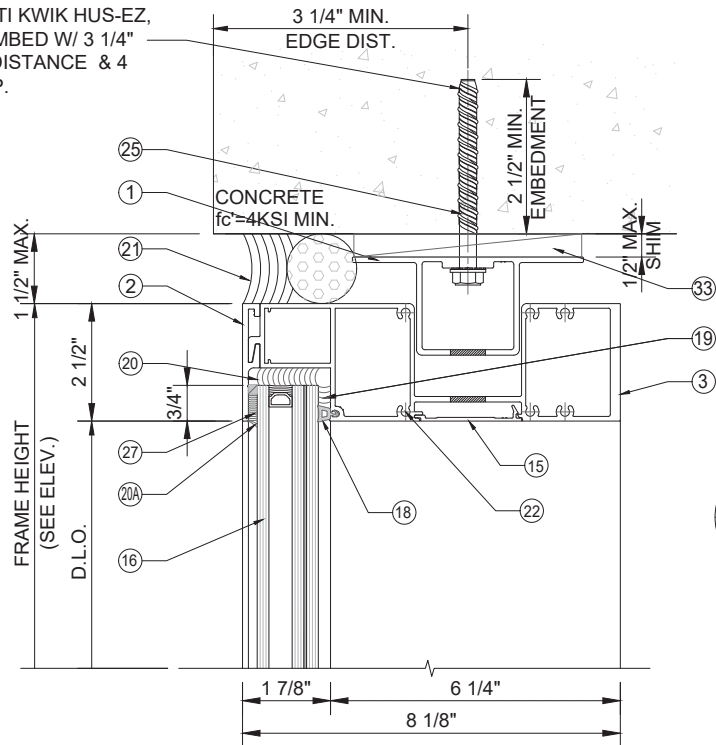
AREA= D.L.O.W. * D.L.O.H.



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SERIES EUSA-WW40 WINDOW WALL SYSTEM - LMI & 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#19959.1 DATE 08.08.2023 SCALE AS NOTED DRAWN James PROJECT 16-051 E3 DRAWING NO. AD16-22 6 OF 12

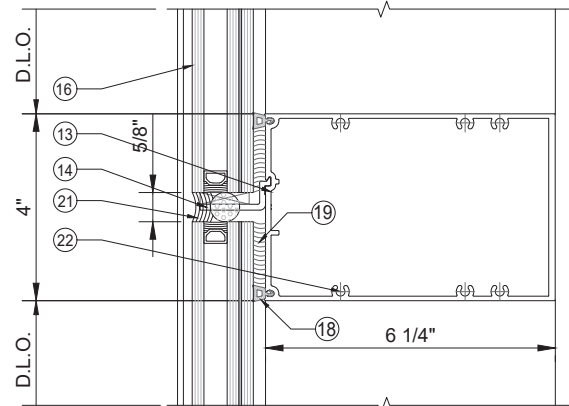
25 3/8" DIA. HILTI KWIK HUS-EZ,
2 1/2" MIN. EMBED W/ 3 1/4"
MIN. EDGE DISTANCE & 4
1/2" O.C. TYP.

EXTERIOR



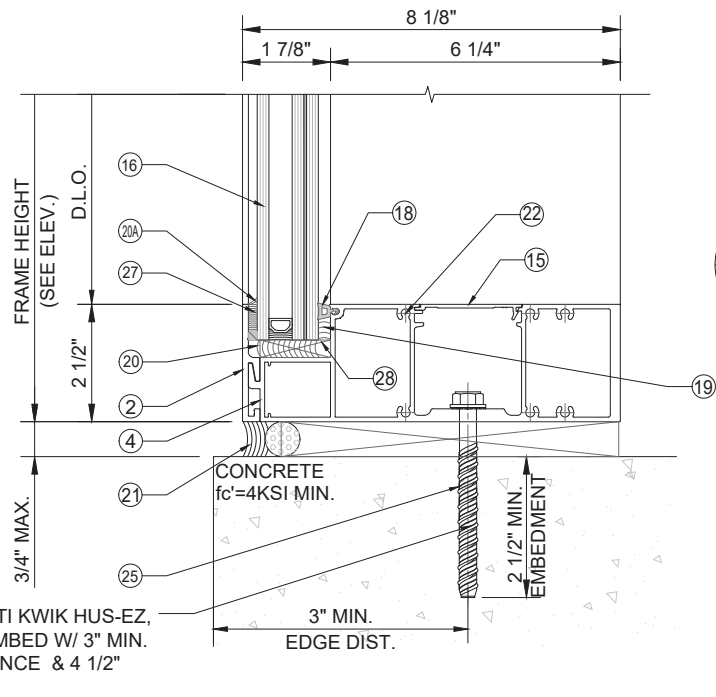
A
D1

EXTERIOR



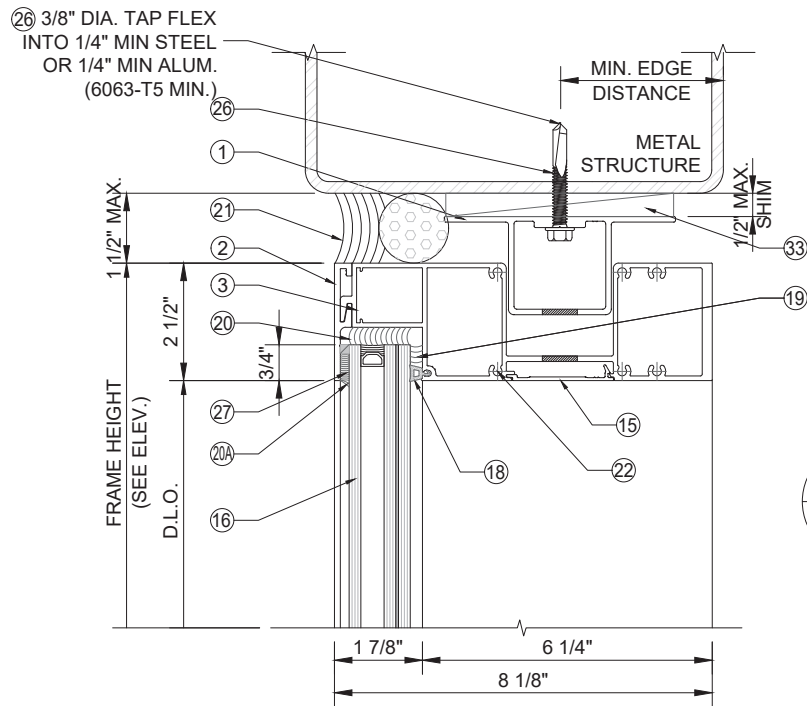
B
D1

EXTERIOR



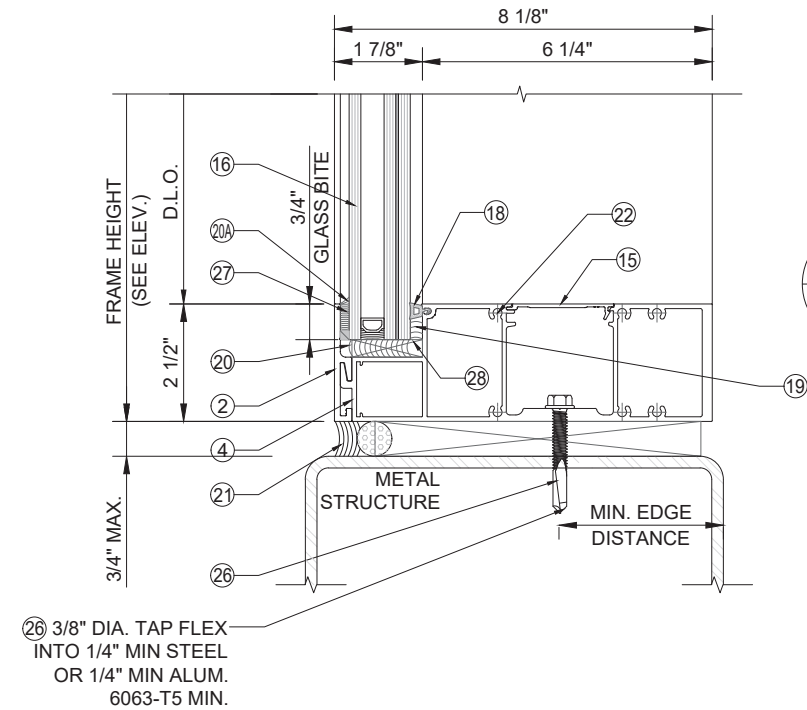
C
D1

EXTERIOR

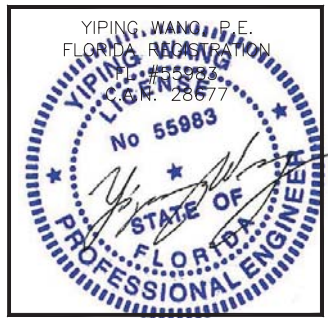


A
D1

EXTERIOR



C
D1



REVISIONS	
NO.	DATE
01	08.08.23
FBC 2023	

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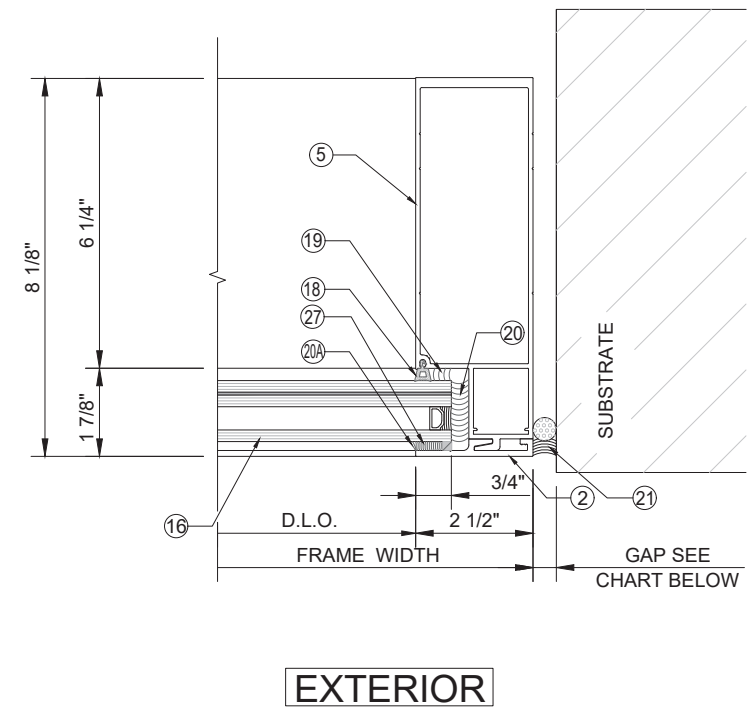
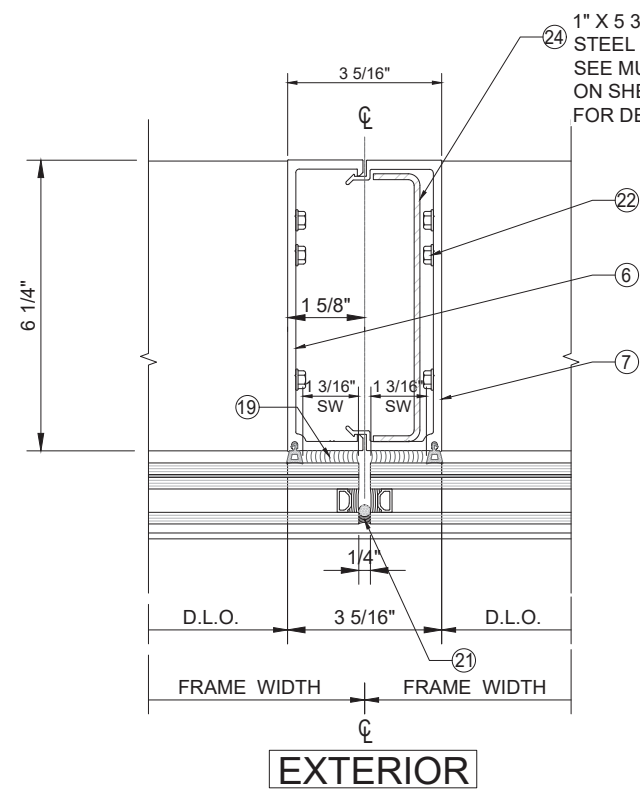
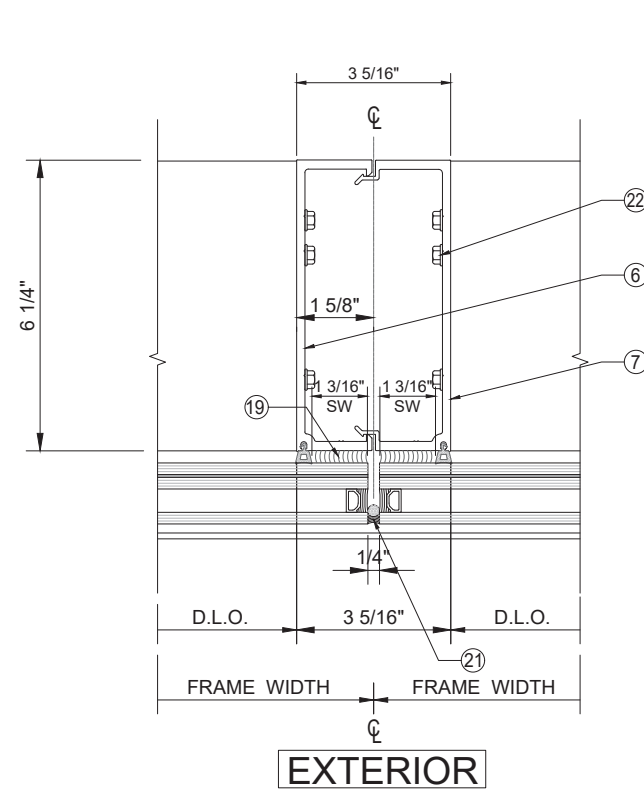
FL#19959.1

DATE	08.08.2023
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DRAWN	James
PROJECT	16-051

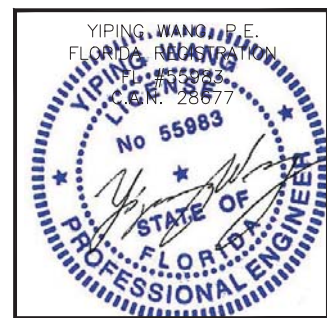
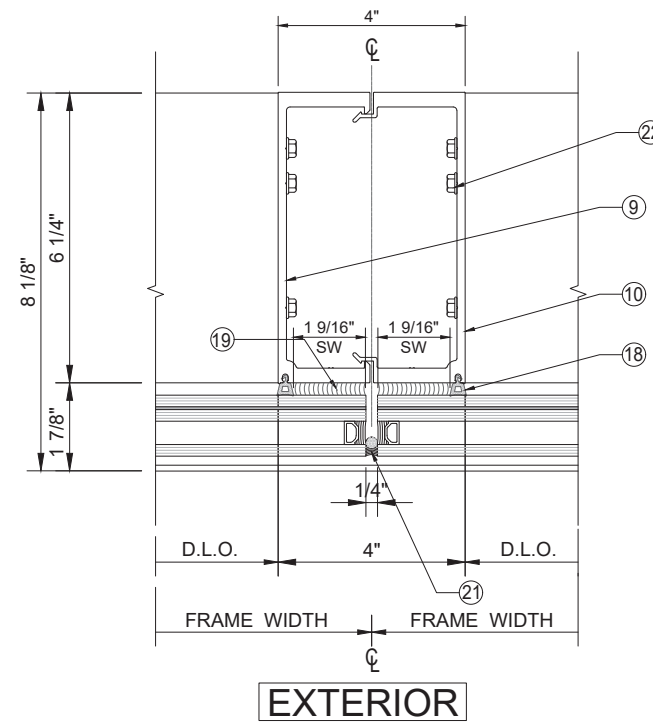
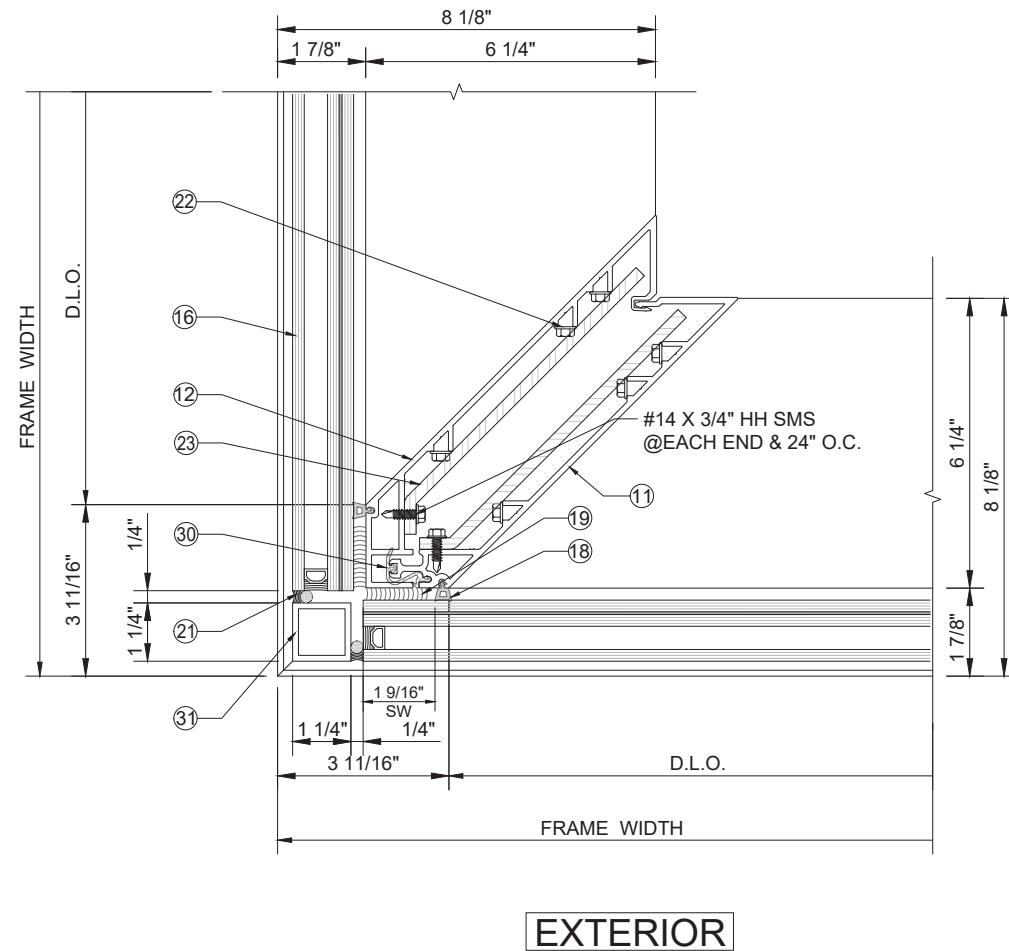
D1

DRAWING NO.
AD16-22

7 OF 12



GAP CHART		
FRAME HEIGHT	MIN. GAP	MAX. GAP
96"	1/2"	1"
108"	5/8"	1"
123"	5/8"	1"



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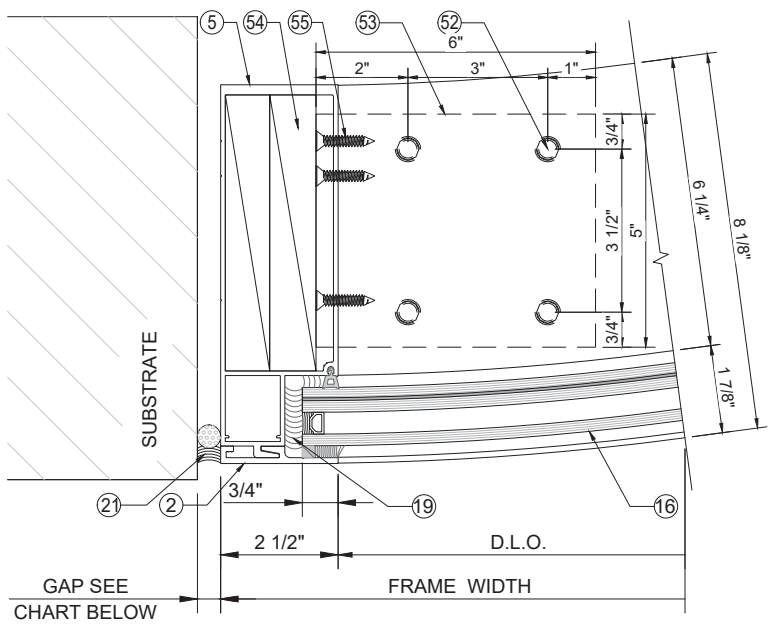
DATE	08.08.2023
SCALE	AS NOTED
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PROJECT	16-051

D2

DRAWING NO.

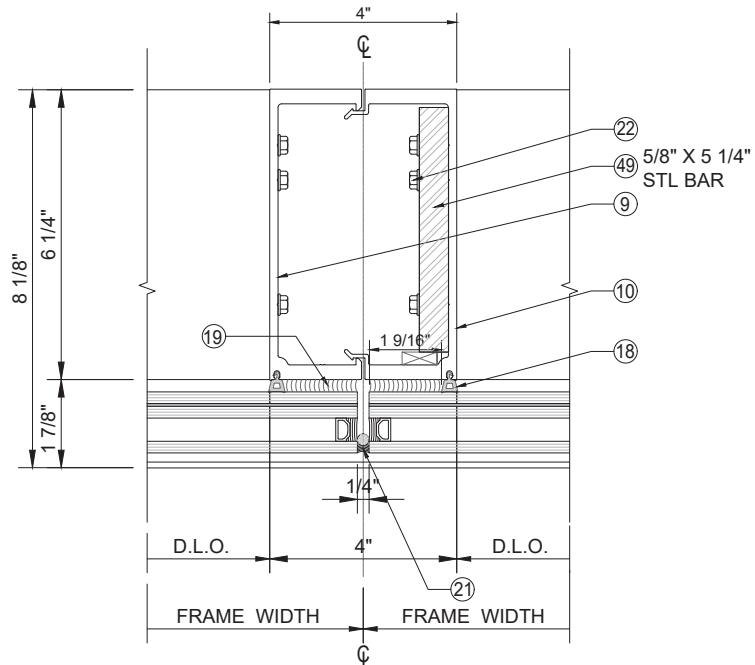
AD16-22

8 OF 12



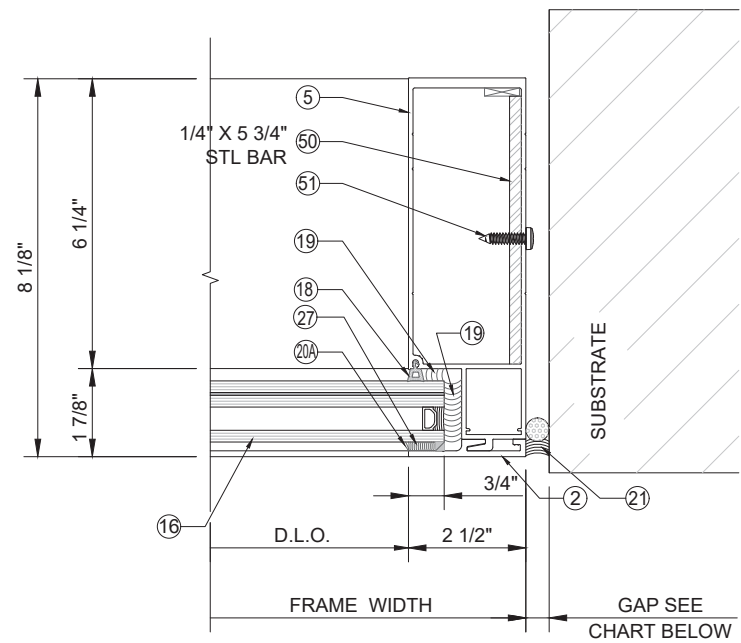
EXTERIOR

G
D4



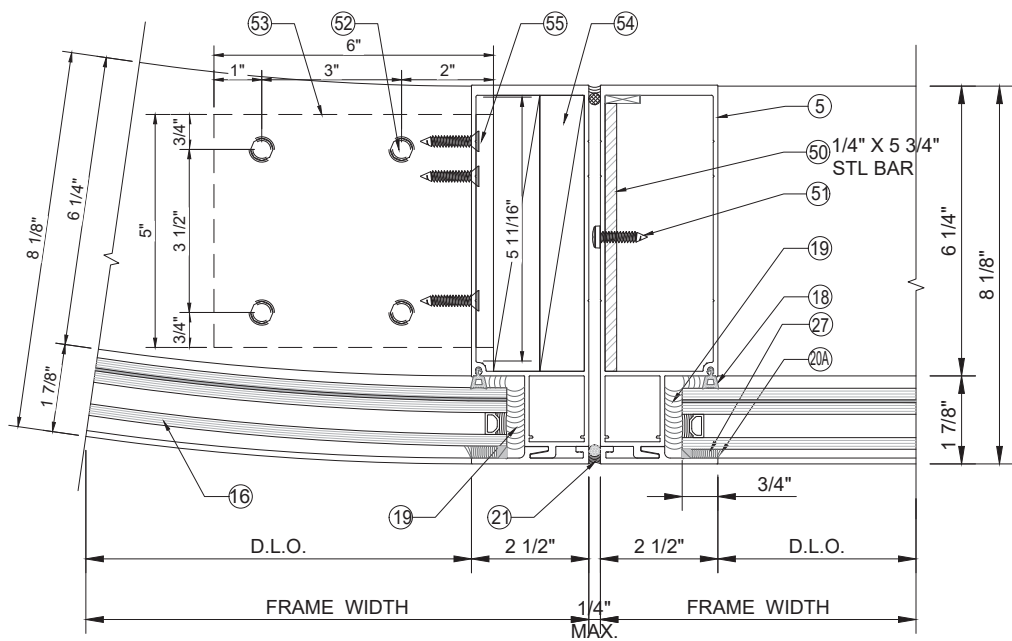
EXTERIOR

H2
D4



EXTERIOR

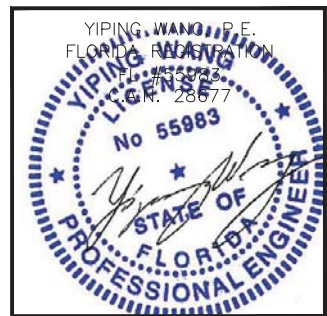
F2
D4



EXTERIOR

I
D4

GAP CHART		
FRAME HEIGHT	MIN. GAP	MAX. GAP
96"	1/2"	1"
108"	5/8"	1"
120"	5/8"	1"
132"	3/4"	1"
144"	3/4"	1"
156"	5/8"	1"
168"	3/4"	1"



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DRAWN	James
PROJECT	16-051

D4
DRAWING NO. AD16-22
10 OF 12

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

④9 5-1/4" x 5/8" THK.
STEEL BAR (A36)

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

③7 ALUMINUM TUBE
ALUMINUM 6063-T6

⑤0 5-3/4" x 5/8" THK.
STEEL BAR (A36)

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

⑩ SPLIT MULLION 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

⑤3 ALUMINIUM ANGLE
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

⑮ 1/4" COMPRESSION GASKET
EPDM 70

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

③5 ALUMINUM VERTICAL SPLIT MULLION
(21015) ALUMINUM 6063-T6

④8 ALUMINUM TUBE
ALUMINUM 6063-T6

②3 3/4" X 7" X 1/4" THK
STEEL BAR (A36)

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SERIES EUSA-WW40 WINDOWALL SYSTEM - LMI & 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#19959.1

DATE	08.08.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	16-051

PARTS

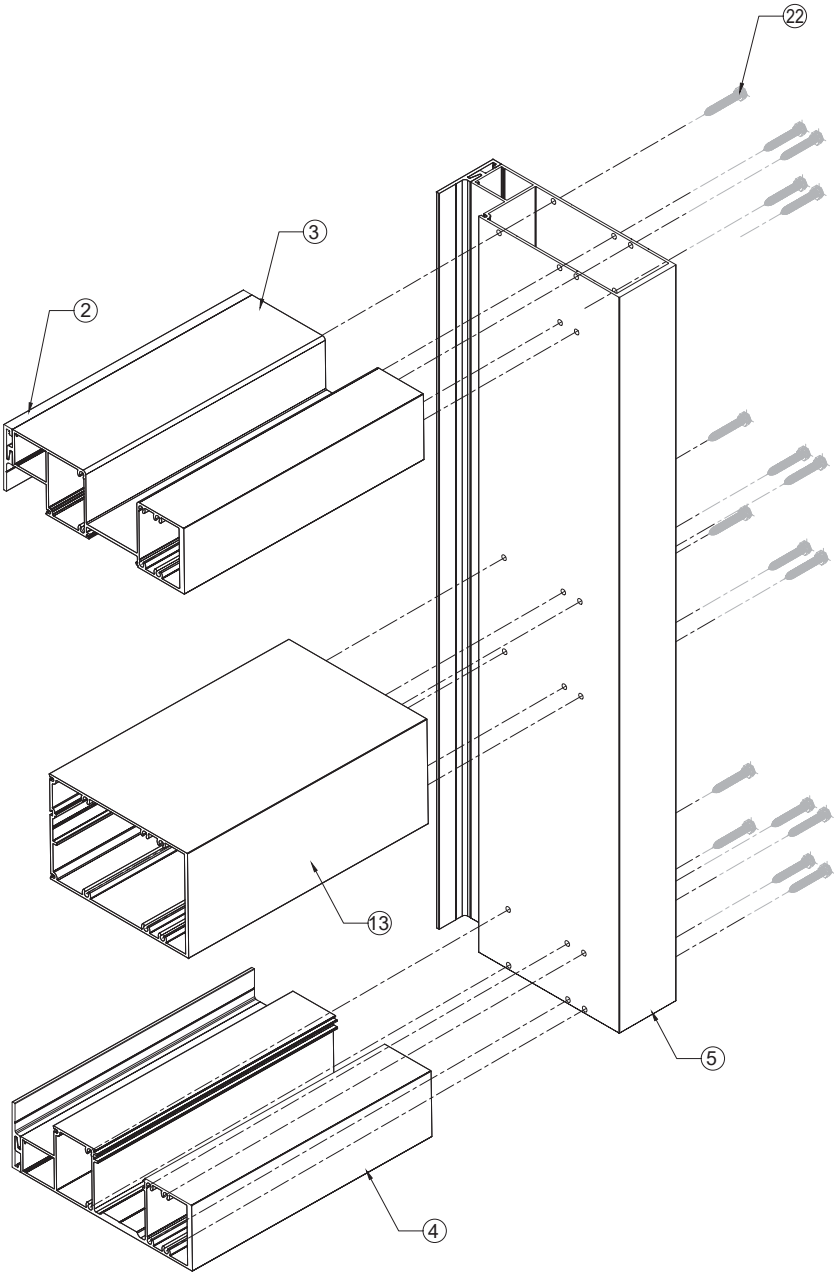
DRAWING NO.
AD16-22
11 OF 12

YIPING WANG P.E.
FLORIDA PROFESSIONAL ENGINEER
No 55983

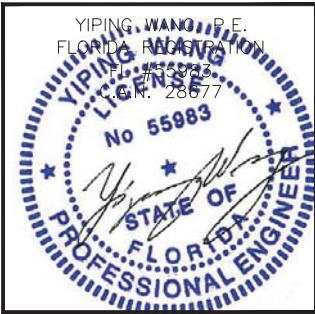
August 08th, 2023

BILL OF MATERIALS

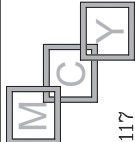
ITEM	PART #	DESCRIPTION	MATERIAL
1	21000	ALUMINUM SLEEVE ANCHOR	6063 - T6
2	21001	ALUMINUM EXTERIOR CAP FOR WW	6063 - T6
3	21002	ALUMINUM FRAME HEAD WITH SLEEVE ANCHOR	6063 - T6
4	21003	ALUMINUM FRAME SILL FOR SSG WW	6063 - T6
5	21004	ALUMINUM FRAME JAMB FOR WW	6063 - T6
6	21005	ALUMINUM 3" SPLIT MULLION (FEMALE)	6063 - T6
7	21006	ALUMINUM 3" SPLIT MULLION (MALE)	6063 - T6
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 4" LONG @ 1/4 POINTS	6063 - T6
15	64010	ALUMINUM SNAP ON COVER	6063 - T6
16	TYPE G1	(1 5/16") 1/4" FT+ 1/2" AS +1/4" HS +.090" SentryGlas by Kuraray + 1/4" HS	----
18	90006	GASKET - TREMCO	SILICONE
19	----	PROGLAZE II (TREMCO), DOW CORNING DC983 OR GE 4600 SSG	----
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 REINF. FOR CORNER MULLION	STEEL A36 MIN.
24	---	1" X 5 3/4" X 1" 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	----	NORTON TAPE 1/4" x 1/4"	----
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	----	1/2" X 5" SHIM	----
34	---	-	----
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	----	--	----
41	----	PLASTIC SHIM	PLASTIC
42	----	#12 HH SS ASSEMBLY SCREWS- 1 1/2" LG.	----
43	----	5/16-24 HH DRILFLEX SCREW 1 1/2" LG @ 3 1/2" FROM ENDS, 10" O.C.	ST/ST
44	----	#8 X 3/4" FH SS TEK SCREW @ 24" O.C.	ST/ST
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" X 1/8" THK TUBE MULLION	ALUM. 6063-T6
49	----	5-1/4" x 5/8" THK. STEEL BAR REINFORCEMENT	STEEL A36 MIN.
50	----	5-3/4" x 1/4" THK. STEEL BAR REINFORCEMENT	STEEL A36 MIN.
51	----	1/4 TEKS SCREW @ 20" OC. AT MID SPAN	
52	----	(4) 5/16" Dia. x 2-1/2" FH Ultracon W/1 3/4" MIN. EMBEDMENT,2.5"MIN.EDGE DIST.	
53	----	ALUMINIUM ANGLE 6" x 5" x 3/8" THK.	ALUM. 6063-T6
54	----	PVC SHIM FOR JAMB, (2x) HEAD ANCHOR (2x) SILL ANCHOR	
55	----	#14 FH SS ASSEMBLY SCREWS - 1 1/4" LONG	



FRAME ASSEMBLY
ISOMETRIC VIEW



REVISIONS		DESCRIPTION	
NO.	DATE	DESCRIPTION	
01	08.08.23	FBC - 2023	

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

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