

SYSTEM 3814A ALUMINUM WINDOW WALL/ CURTAIN WALL LARGE MISSILE IMPACT

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION OF FLORIDA BUILDING CODE (2023)/9TH EDITION OF FLORIDA BUILDING CODE (2026) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- LARGE MISSILE IMPACT WINDOW WALL TO BE USED AT ELEVATIONS BELOW 30'-0" OF GRADE LEVEL. 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 THE 8TH EDITION OF FLORIDA BUILDING CODE (2023)/9TH EDITION OF FLORIDA BUILDING CODE (2026) SECTION AS APPLICABLE.
- METAL STRUCTURES NOT BY CONTINENTAL GLASS SYSTEMS, LLC. 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 7-22, 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 3S, 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 ASCE 7-22 STANDARD.
- STEP 2: SEE TYPICAL ELEVATION ON SHEET E1 & E2 & E3.
- STEP 3: SEE APPROVED GLASS TYPES ON SHEET G1. SEE CHART ON SHEET G2 FOR APPROVED DESIGN LOAD FOR GLASS BASED ON E1300-16 OR 24.
- STEP 4: SEE CHART ON SHEET G1 FOR CAPACITY FOR STRUCTURAL SILICONE.
- STEP 5: CHECK MULLION AND JAMB CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET M1 & M2, FOR SINGLE SPAN CONDITIONS.
- STEP 6: SEE ALLOWABLE CAPACITY OF MULLION OR JAMB SUPPORT DOUBLE ENTRANCE DOOR ON SHEET M3 TO M6.
- STEP 7: TWO SPAN CONDITION, SEE SHEET E2 & E3 FOR APPROVED MAX. SIZE AND ALLOWABLE DESIGN LOAD.
- STEP 8: SELECT ANCHOR TYPE ON SHEET A3 AND CHECK ANCHOR CAPACITY ON SHEET A1 & A2 FOR TYPICAL MULLION & JAMB. FOR MULLION OR JAMB SUPPORT ENTRANCE DOOR, SEE ANCHOR CAPACITIES FOR EACH CONDITION ON SHEET A4, THE MAX. REACTION ON JOB NOT TO EXCEED THE ALLOWED CAPACITIES.
- STEP 9: THE LOWEST VALUE RESULTING FROM STEPS ABOVE SHALL APPLY TO ENTIRE SYSTEM. THE CAPACITY SHOULD NOT EXCEED THE JOB REQUIRED LOAD.

ABBREVIATIONS AND SYMBOLS

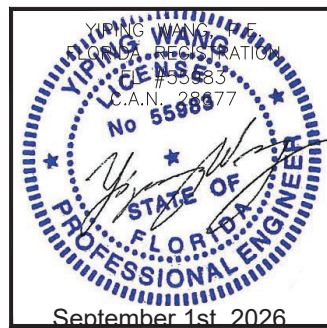
D.L.O. - DAYLITE OPENING	CL - CENTER LINE
F.H. - FRAME HEIGHT	S.S. - STAINLESS STEEL
F.W. - FRAME WIDTH	H.S. - HEAT STRENGTHENED
P.W. - PANEL WIDTH	SSG - STRUCTURAL SILICONE
LG. - LONG	GLAZED
STL. - STEEL	TEMP. - TEMPERED
ALUM. - ALUMINUM	O.C. - ON CENTER
MULL. - MULLION	G.B. - GLASS BITE
HORIZ. - HORIZONTAL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

LIMITATIONS OF USE

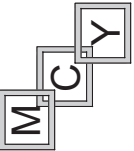
- A- THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.
- B- CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HEREIN 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:

FL22219.1



MCY ENGINEERING, INC.
GLAZING CONSULTANTS



12781 MIRAMAR PKWY, STE. 301 P: 305.588.5224
MIRAMAR, FL 33027
engineering.com MCV@mcvengeinc.com

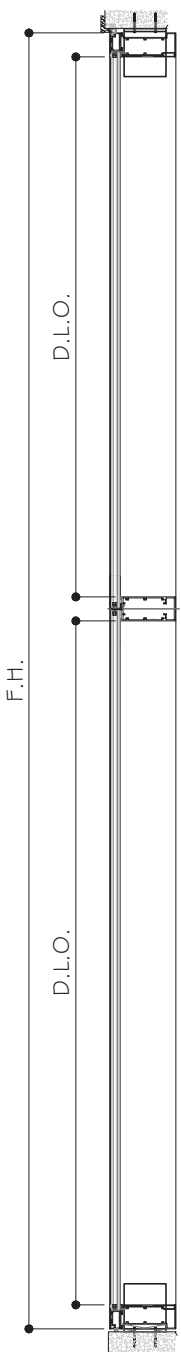
www.motorsport.com

SYSTEM 3814A WINDOW WALL - L.M.I.

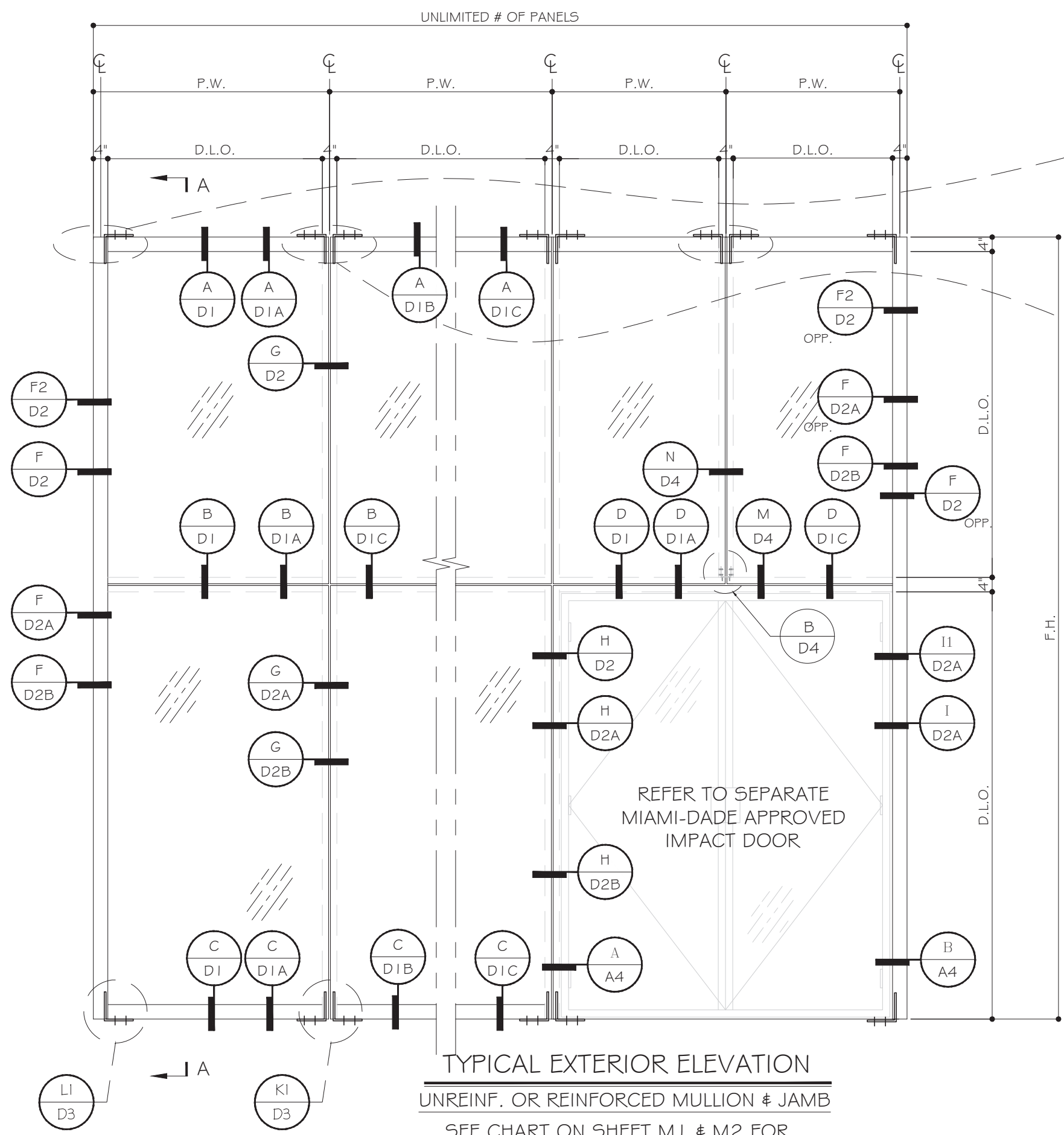
CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE, HIALEAH, FL 33014

TEL. (305) 231-1010 FAX. (305) 231-1111

[illegible]



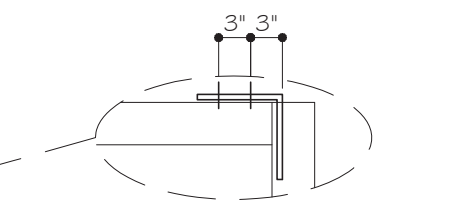
SECTION A-A



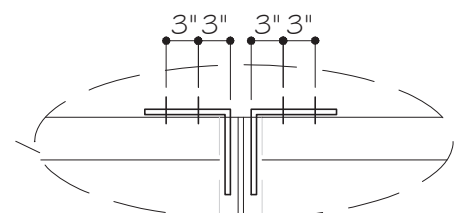
TYPICAL EXTERIOR ELEVATION
UNREINF. OR REINFORCED MULLION & JAMB

SEE CHART ON SHEET M1 & M2 FOR
TYPICAL MULLION CAPACITY
SEE CHARTS ON SHEETS M3 THRU M6
FOR DOOR JAMB MULLION CAPACITY

TYPICAL MULLION & JAMB ANCHOR



JAMB ANCHOR CLIP OPTION
@ HEAD/SILL L1/D3

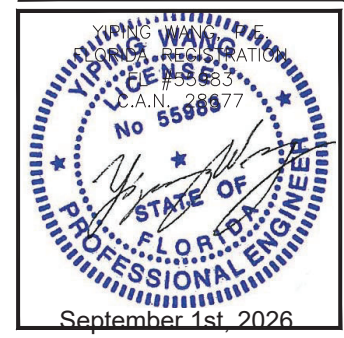


MULLION ANCHOR CLIP OPTION
@ HEAD/SILL K1/D3

SEE SHEETS A1 & A2 FOR ANCHOR
CAPACITIES

SEE CHART ON SHEET G1 FOR
GLASS TYPE, SEE CHART ON SHEET
G2 FOR GLASS CAPACITY.

FLORIDA APPROVAL:
FL22219.1



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

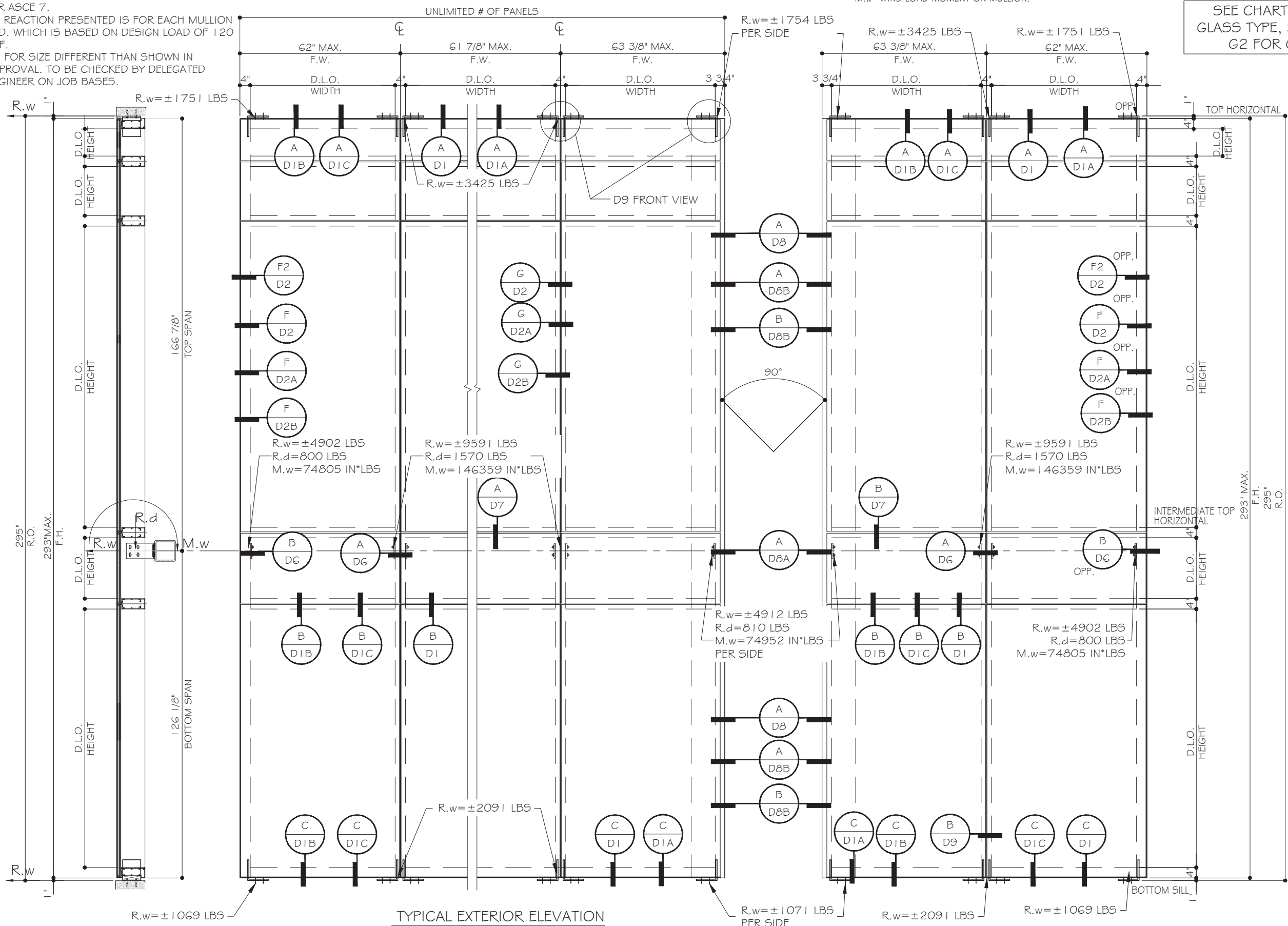
SYSTEM 3814A WINDOW WALL - L.M.I.
CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

Rev. No.	Date	Drawn By	Description
R4	09.01.2026	James	UPDATE FBC 2026
R3	12.01.2023	James	REVISION FBC 2023
Drawing No. AD17-25			
Sheet No. 2 OF 36			

NOTE:
1. THE LOADS PROVIDED ARE NON FACTORED LOADS USING ASD METHOD. IF USING LRFD METHOD, PLEASE MULTIPLY LOAD FACTORS AS PER ASCE 7.
2. REACTION PRESENTED IS FOR EACH MULLION END, WHICH IS BASED ON DESIGN LOAD OF 120 PSF.
3. FOR SIZE DIFFERENT THAN SHOWN IN APPROVAL, TO BE CHECKED BY DELEGATED ENGINEER ON JOB BASES.

R.w=WIND LOAD REACTION TO MAIN STRUCTURE, PERPENDICULAR TO GLAZING PANEL
R.d=DEAD LOAD REACTION TO MAIN STRUCTURE, PARALLEL TO GLAZING PANEL
M.w=WIND LOAD MOMENT ON MULLION.

SEE CHART ON SHEET G1 FOR GLASS TYPE, SEE CHART ON SHEET G2 FOR GLASS CAPACITY.



UN-REINFORCED MULLION & JAMB
ALLOWABL DESIGN LOAD = ±120 PSF

FLORIDA APPROVAL:
FL22219.1



MCY ENGINEERING, INC.
GLAZING CONSULTANTS

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

SYSTEM 3814A WINDOW WALL - L.M.I.

CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

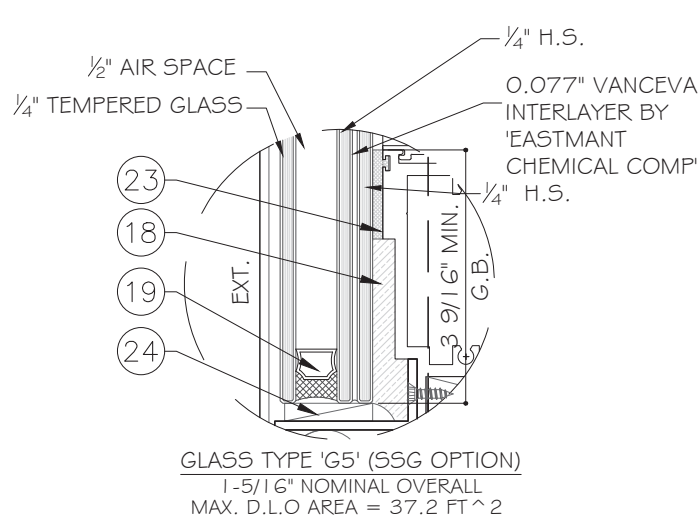
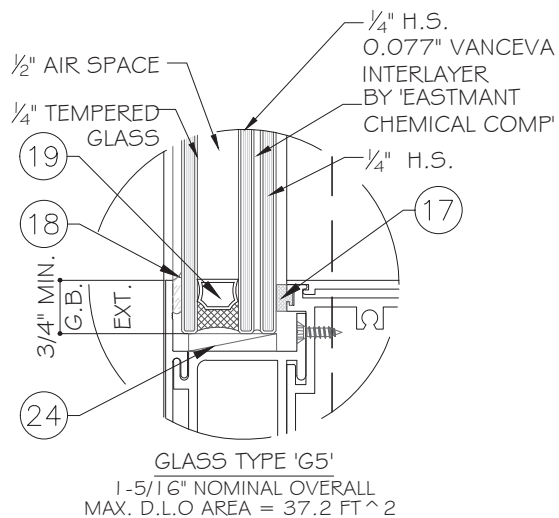
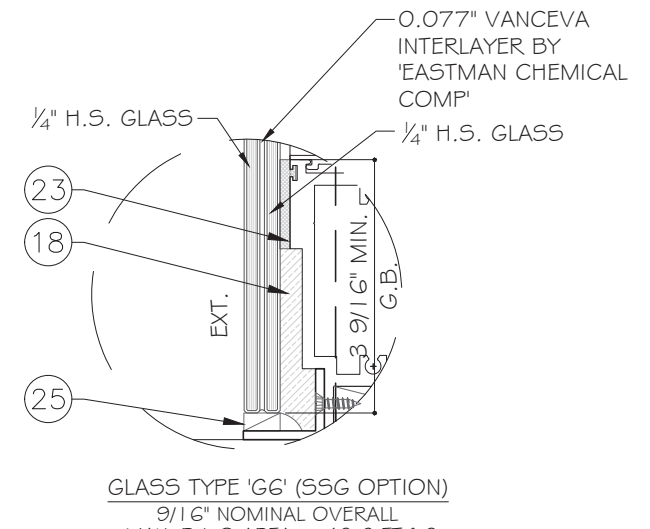
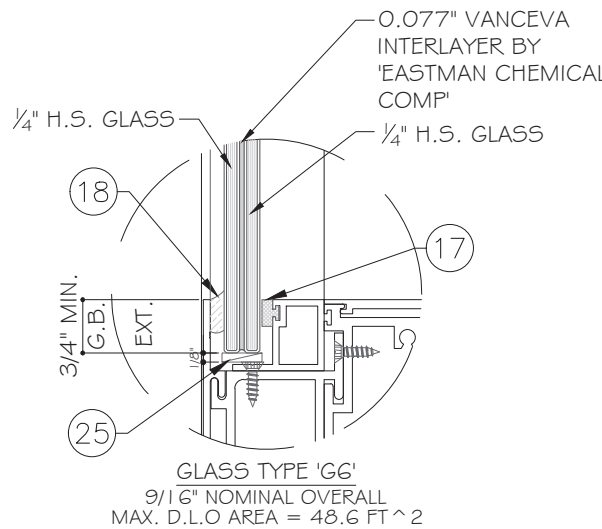
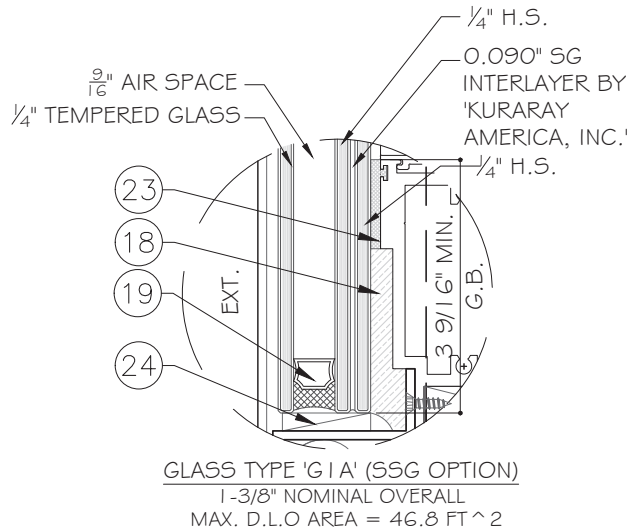
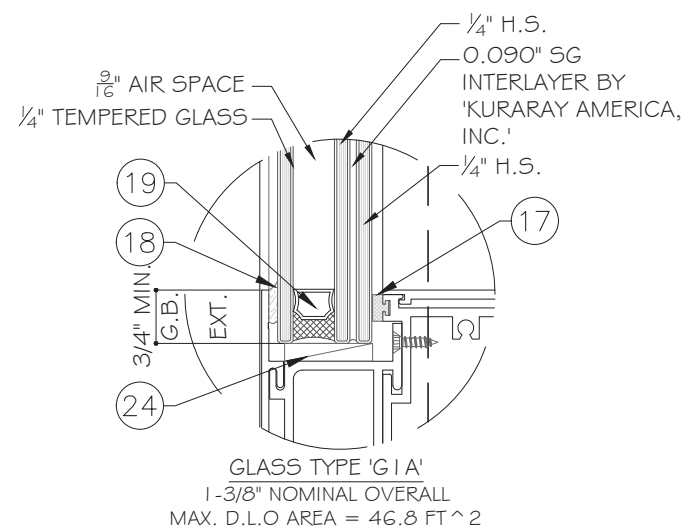
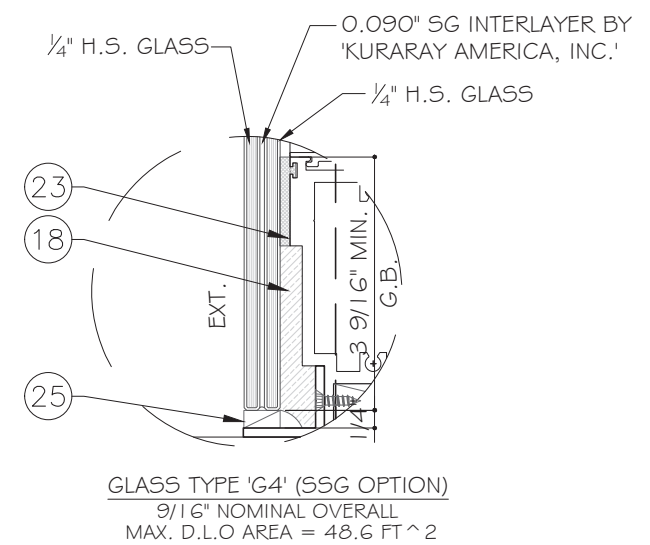
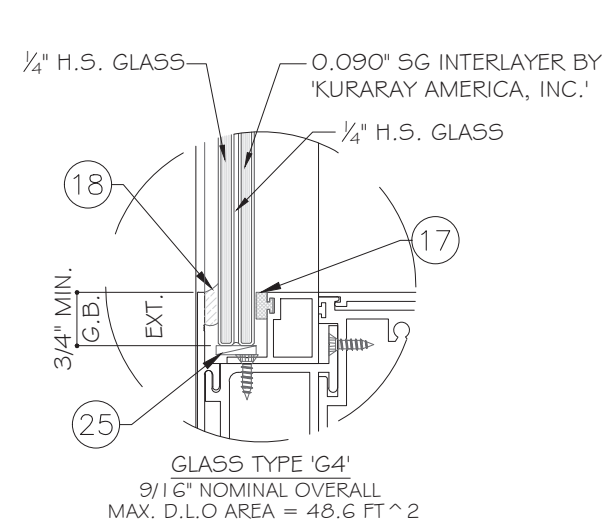
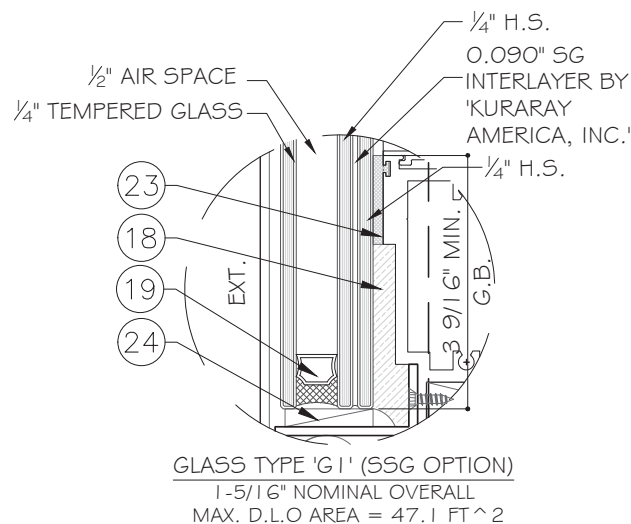
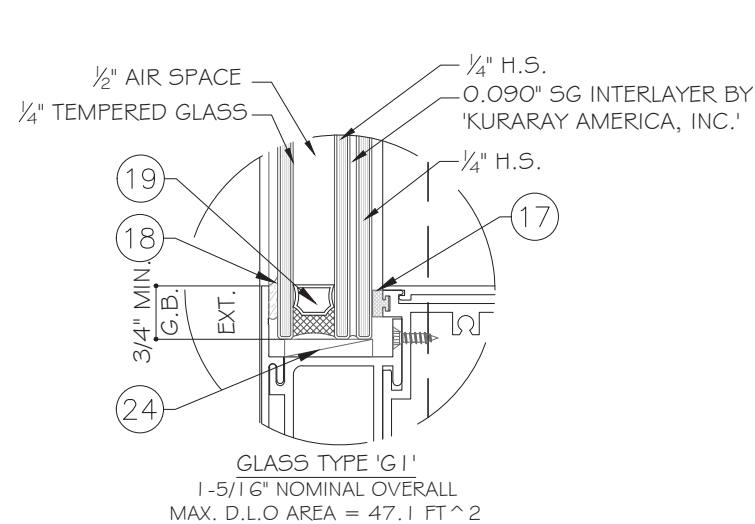
Rev.	No.	Date	Drawn By	Description
R4	09.01.2026	James	UPDATE FBC 2026	
R3	12.01.2023	James	REVISION FBC 2023	

Drawn Date
09.01.2026

Scale
AS SHOWN

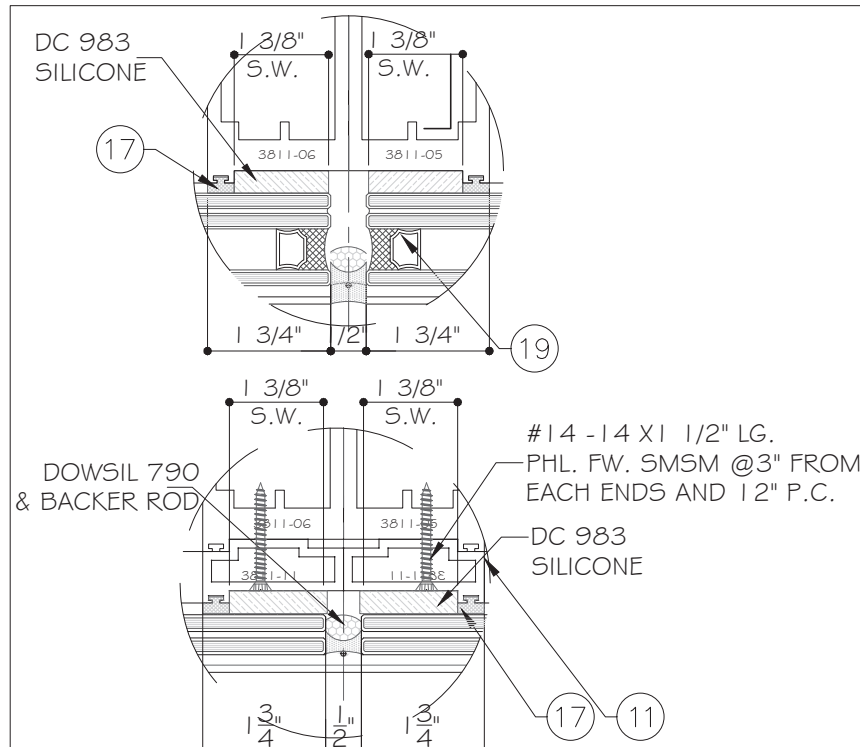
DRAWING NO.
AD17-25

E3
Sheet No.
4 OF 36



GLASS OPTIONS- L.M.I.
SEE CHART ON G2 FOR GLASS CAPACITIES.

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



CAPACITY DUE TO SILICONE WIDTH	
MULLION C-C	ALLOW. CAPACITY (PSF)
W (IN)	S.W. 1-3/8"
36	150.0
42	150.0
48	150.0
54	146.7
60	132.0
66	120.0
72	110.0
78	101.5

FLORIDA APPROVAL:
FL22219.1

YIPING WANG
REGISTERED PROFESSIONAL ENGINEER
No 55988
STATE OF FLORIDA
September 1st, 2026

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

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

SYSTEM 3814A WINDOW WALL - L.M.I.

CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

Rev.	Date	Description
R4	09.01.2026	James
R3	12.01.2023	James

Drawn Date: 09.01.2026 Scale: AS SHOWN

DRAWING NO.
AD17-25

G1

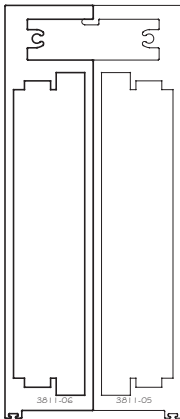
Sheet No.
5 OF 36

TYPICAL MULLION & JAMB

MULLION DESIGN LOAD CAPACITY - PSF			
MULLION DIMENSION		UNREINFORCED MULLION	
FRAME WIDTH W (IN)	FRAME HEIGHT (IN)	EXT. (+)	INT. (-)
66	120	100	150
72		100	150
78		100	150
60	132	100	150
66		100	150
72		100	150
78		100	100
54	144	100	150
60		100	150
66		100	150
72		100	100
78		100	100
48	156	100	150
54		100	150
60		100	150
72		100	100
78		100	100
42	168	100	150
48		100	150
54		100	150
60		100	100
72		100	100
72		100	100
78		100	100
42	180	100	150
48		100	150
54		100	150
60		100	100
66		100	100
72		100	100
78		100	100
54	182	100	150
36	192	100	150
42		100	150
48		100	144
66		100	100
72		100	100
78		100	100

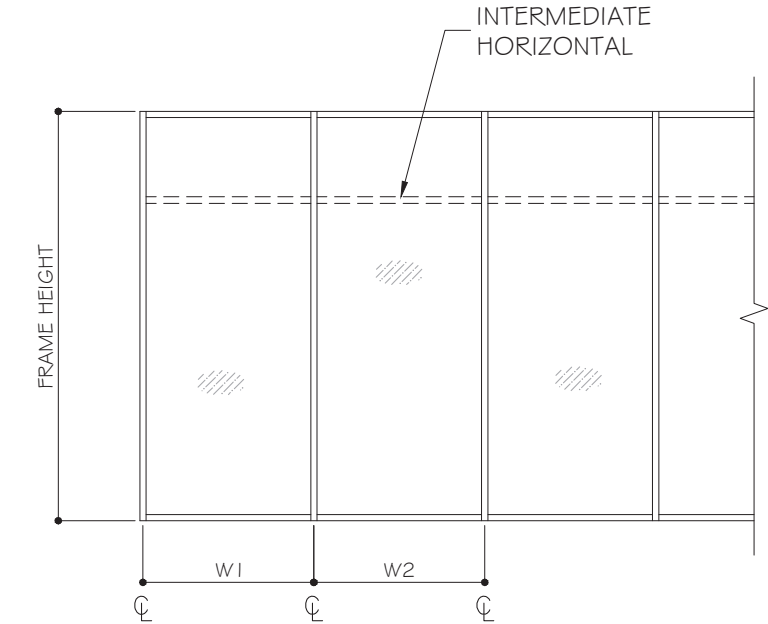
MULLION DESIGN LOAD CAPACITY - PSF			
MULLION DIMENSION		UNREINFORCED MULLION	
FRAME WIDTH (IN)	FRAME HEIGHT (IN)	EXT. (+)	INT. (-)
36	204	100	150
42		100	137
48		100	120
54		100	100
60		100	100
66		100	100
72		100	100
78		100	100
36	216	100	134.6
42		100	115
48		100	100
54		100	100
60		100	100
66		100	100
72		99	99
78		92	92
30	228	100	137
36		100	114
42		100	100
48		100	100
54		100	100
60		100	100
66		92	92
72		84	84
30	240	100	118
36		100	100
42		100	100
48		100	100
54		97	97
60		87	87
66		79	79
30		252	100
36	100		100
42	100		100
48	94		94
54	83		83
60	75		75
66	68		68
30	264		100
36		100	100
42		93	93
48		82	82
54		73	73
60		65	65

MULLION DESIGN LOAD CAPACITY - PSF			
MULLION DIMENSION		UNREINFORCED MILJ	
FRAME WIDTH (IN)	FRAME HEIGHT (IN)	EXT. (+)	INT. (-)
30	276	100	100
36		95	95
42		82	82
48		71	71
54		64	64
60		57	57
30	286	100	100
36		86	86
42		73	73
48		64	64
54		57	57



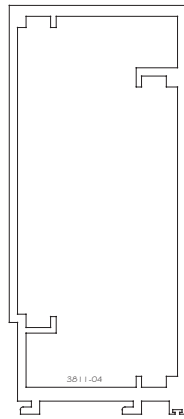
MULLION (MI)

MI	$\sum x$	$\sum x^2$
3811-05	59.0355	11.7504
3811-06	58.3513	11.6876
TOTAL	117.3868	23.3647



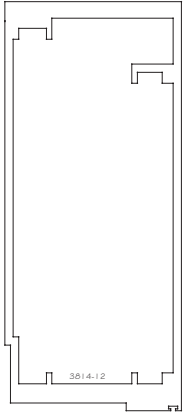
WIDTH (W) = W I
JAMB

$$\text{WIDTH (W) MULLION} = \frac{W1 + W2}{2}$$



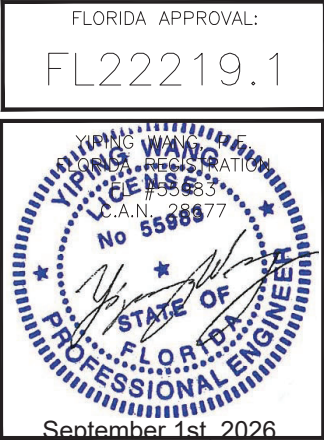
JAMB (JI)

Jl	$\sum x$	$\sum x^2$
3811-04	72.0422	15.119
TOTAL	72.0422	15.119



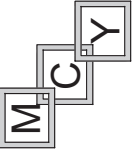
JAMB (JI) OPTION

J1	$\sum x$	$\sum x^3$
3814-12	91.2525	19.508
TOTAL	91.2525	19.508



MCY ENGINEERING, INC.

GLAZING CONSULTANTS



12781 MIRAMAR PKWY,STE.301 P:305.588.5224
MIRAMAR, FL 33027

www.MCYEngineering.com
MCY@mcvengeering.com

SYSTEM 3814A WINDOW WALL - L.M.I.

CONTINENTAL GLASS SYSTEMS, LLC.

325 WEST 74 PLACE, HIALEAH, FL 33014

TEL. (305) 231-1101 FAX. (305) 231-1103

R4	09.01.2026	James			UPDATE FBC 2026
R3	12.01.2023	James			REVISION FBC 2023
Rev. No.	Date	Drawn By	Description		

Drawn Date 09.01.2026	Scale AS SHOWN
--------------------------	-------------------

DRAWING NO.

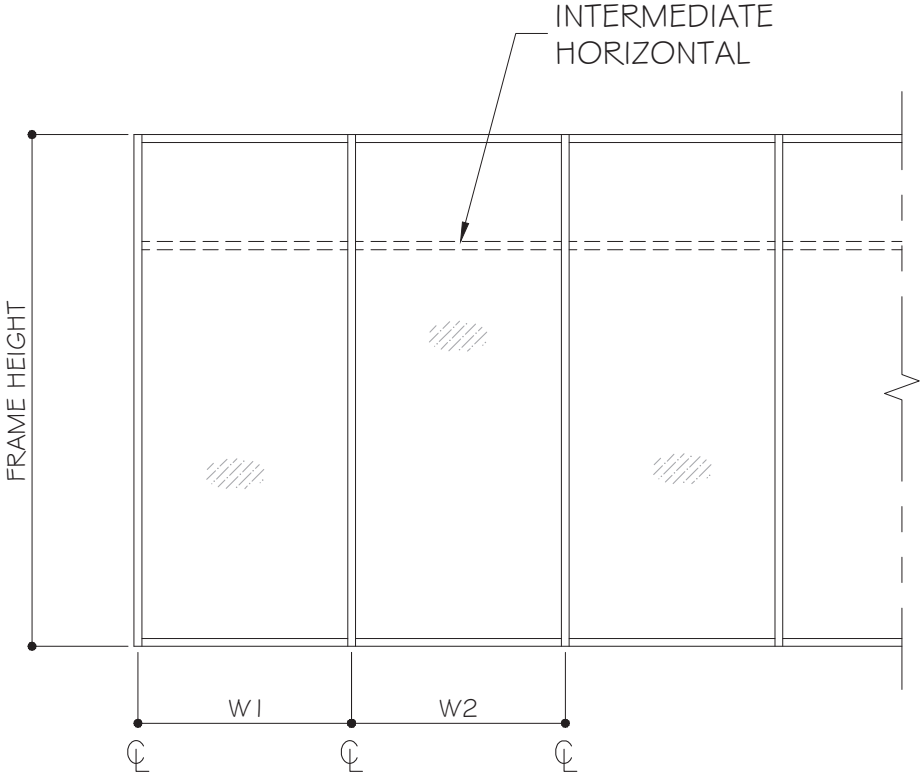
AD17-25

MI

Sheet No.

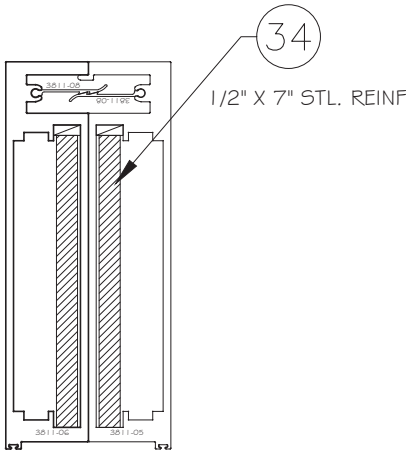
7 OF 36

MULLION DESIGN LOAD CAPACITY - PSF			
MULLION DIMENSION		REINFORCED M2,J2	
FRAME WIDTH (IN)	FRAME HEIGHT (IN)	EXT. (+)	INT. (-)
48	216	100	100
54		100	100
60		100	100
66		100	100
72		100	100
48	228	100	100
54		100	100
60		100	100
66		100	100
72		99	99
48	240	100	100
54		100	100
60		100	100
66		98	98
72		98	98
48	252	100	100
54		100	100
60		98	98
66		89	89
72		89	89
48	264	100	100
54		99	99
60		89	89
66		89	89
72		89	89
48	276	100	100
54		90	90
60		81	81
66		81	81
72		81	81
42	286	100	100
48		95	95
54		84	84



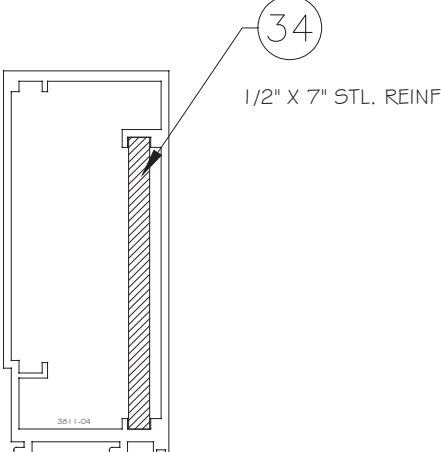
WIDTH (W) = W1
JAMB

WIDTH (W) = $\frac{W1 + W2}{2}$
MULLION



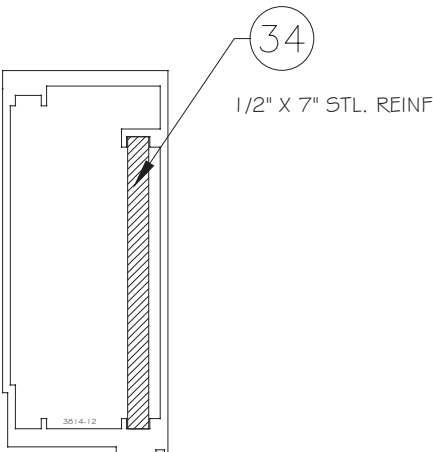
MULLION (M2)

M2	Ix IN^4	Sx IN^3
3811-05	59.0355	11.7504
3811-06	58.3513	11.6876
(2)1/2" X 7" STL. BAR	82.8916	(IN ALUM.)
TOTAL	200.2764	



JAMB (J2)

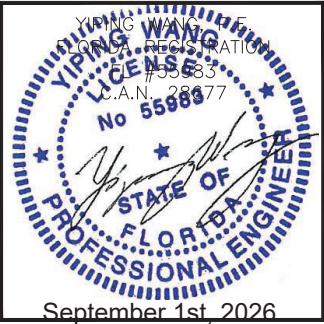
J2	Ix IN^4	Sx IN^3
3811-04	72.0422	15.119
1/2" X 7" STL. REINF	41.4458	(IN ALUM.)
TOTAL	113.4880	



JAMB (J2) OPTION

J2	Ix IN^4	Sx IN^3
3814-12	91.2525	19.508
1/2" X 7" STL. REINF	41.4458	(IN ALUM.)
TOTAL	132.6983	

FLORIDA APPROVAL:
FL22219.1



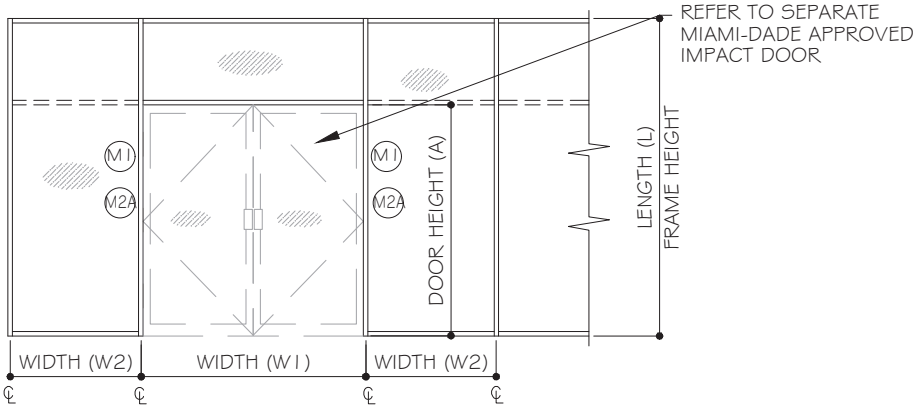
SYSTEM 3814A WINDOW WALL - L.M.I.
CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

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

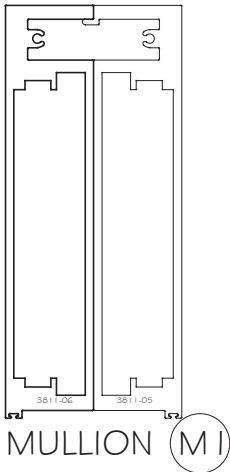
Rev. No.	Date	Drawn By	Description
R4	09.01.2026	James	UPDATE FBC 2026
R3	12.01.2023	James	REVISION FBC 2023
DRAUGHTING NO. AD17-25			
M2			
Sheet No. 8 OF 36			

DOOR JAMB MULLION DESIGN LOAD CAPACITY - PSF							
WINDOW PANEL DIMENSION				UNREINF. MULLION M1	REINF. MULLION M2		
FRAME HEIGHT(IN) (L)	DOOR HEIGHT (IN) (A)	DOOR WIDTH (IN) (W1)	SIDELITE WIDTH (IN) (W2)	(±) PSF	(±) PSF		
228	114	72	48	100.0	100.0		
			54	100.0	100.0		
			60	97.5	100.0		
			66	93.0	100.0		
			72	88.9	99.0		
			78	85.2	95.0		
		84	48	98.4	100.0		
			54	93.9	100.0		
			60	89.7	99.0		
			66	85.9	95.0		
			72	82.4	91.4		
		96	48	90.5	99.0		
			54	86.7	95.1		
			60	83.1	91.4		
		240	120	72	48	92.5	100.0
					54	87.8	100.0
60	83.6				97.5		
66	79.8				93.3		
72	76.3				89.4		
78	73.1				85.8		
84	48			84.4	97.5		
	54			80.5	93.3		
	60			76.9	89.4		
	66			73.7	85.8		
96	48			77.6	89.4		
	54			74.3	85.8		
252	126	72	48	79.9	97.3		
			54	75.8	92.7		
			60	72.2	88.4		
			66	68.9	84.6		
		84	48	72.9	88.4		
			54	69.5	84.6		
264	126	72	48	69.5	88.7		
			54	66	84.5		
			60	62.8	80.6		
		84	48	63	80.6		
276	126	72	48	61	81.3		
			54	58	77.4		
		78	45	59.7	79.3		
286	126	72	48	55	75.8		
			52	53	73.4		
		78	45	53.8	74.0		

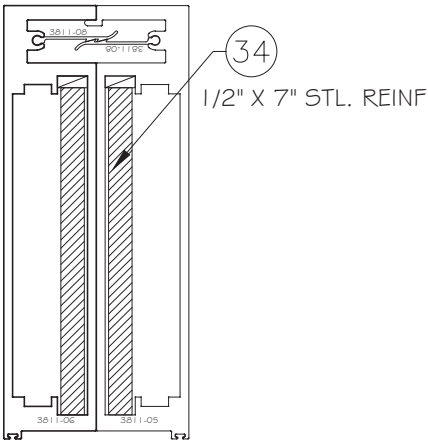
NOTE:
CAPACITIES IN THIS CHART COVERS CONDITION
FOR DOOR HEIGHT FROM 84" UP TO 126" MAX.



NOTE:
1. USE DOOR JAMB MULLION (DJM) CAPACITY
TO GOVERN DOOR JAMB JAMB (DJJ) CAPACITY.
2. DOOR JAMB MULLION REINFORCED THEN
DJJ TO BE REINFORCED AS WELL.



M1	Ix IN^4	Sx
3811-05	59.0355	11.7504
3811-06	58.3513	11.6876
TOTAL	117.3868	23.3647



M2	Ix IN^4	Sx IN^3
3811-05	59.0355	11.7504
3811-06	58.3513	11.6876
(2) 1/2" X 7" STL. REINF	82.8916	(IN ALUM.)
TOTAL	200.2764	

FLORIDA APPROVAL:
FL22219.1

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

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

SYSTEM 3814A WINDOW WALL - L.M.I.

CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

Rev. No.	Date	Description
R4	09.01.2026	UPDATE FBC 2026
R3	12.01.2023	REVISION FBC 2023
Drawn Date 09.01.2026 Scale AS SHOWN		
DRAWING NO. AD17-25		
M6		
Sheet No. 12 OF 36		

ANCHORS DESIGN LOAD CAPACITY - PSF									
MULLION DIMENSION		3" MIN. EDGE DIST.			4 1/2" MIN. EDGE DIST.			3/4" MIN. EDGE DIST.	
FRAME WIDTH(IN) (W)	FRAME HEIGHT (IN)	ANCHOR TYPE A	ANCHOR TYPE B	ANCHOR TYPE C	ANCHOR TYPE A	ANCHOR TYPE B	ANCHOR TYPE C	ANCHOR TYPE D	ANCHOR TYPE D I
54	120	150	150	150	150	150	150	150	150
60		139	150	150	150	150	150	150	150
66		126	139	150	150	150	150	150	150
72		116	128	150	146	150	150	150	150
78		107	118	140	135	150	150	144	150
84		99	109	130	125	150	150	134	150
90		92	102	121	117	140	150	125	150
96		87	96	113	110	131	150	117	150
54	132	140	150	150	150	150	150	150	150
60		126	139	150	150	150	150	150	150
66		115	127	150	145	150	150	150	150
72		105	116	138	133	150	150	142	150
78		97	107	127	123	147	150	131	150
84		90	99	118	114	136	150	122	150
90		84	93	110	106	127	150	114	150
96		79	87	103	100	119	150	106	150
54	144	128	142	150	150	150	150	150	150
60		116	128	150	146	150	150	150	150
66		105	116	138	133	150	150	142	150
72		96	106	126	122	146	150	130	150
78		89	98	116	112	134	150	120	150
84		83	91	108	104	125	150	112	150
90		77	85	101	97	117	150	104	150
96		72	80	95	91	109	143	98	146
54	156	119	131	150	150	150	150	150	150
60		107	118	140	135	150	150	144	150
66		97	107	127	123	147	150	131	150
72		89	98	116	112	134	150	120	150
78		82	91	107	104	124	150	111	150
84		76	84	100	96	115	150	103	150
90		71	79	93	90	108	140	96	144
96		67	74	87	84	101	132	90	135
54	168	110	122	144	139	150	150	149	150
60		99	109	130	125	150	150	134	150
66		90	99	118	114	136	150	122	150
72		83	91	108	104	125	150	112	150
78		76	84	100	96	115	150	103	150
84		71	78	93	90	107	140	96	144
90		66	73	86	84	100	130	89	134
96		62	68	81	78	94	122	84	126
54	180	103	113	134	130	150	150	139	150
60		92	102	121	117	140	150	125	150
66		84	93	110	106	127	150	114	150
72		77	85	101	97	117	150	104	150
78		71	79	93	90	108	140	96	144
84		66	73	86	84	100	130	89	134
90		62	68	81	78	93	122	83	125

TYPICAL MULLION

FRAME HEIGHT

INTERMEDIATE HORIZONTAL

W1 W2 W1

MULLION TRIB. WIDTH: $W = \frac{W1 + W2}{2}$

ANCHOR TYPE A,B,C,D & D I
SEE SHEET A8

EDGE DISTANCE

CONCRETE
f_c = 4000 psi MIN.

ANCHOR LAYOUT FOR TYPICAL MULLION & JAMB

CORNER ANCHOR LAYOUT SEE SHEET A2

NOTE:
SEE ANCHOR TYPE ON SHEET A3

FLORIDA APPROVAL:

FL22219.1

YIPING WANG
REGISTERED PROFESSIONAL ENGINEER
No 55983
C.E.N. 28477

September 1st, 2026

SYSTEM 3814A WINDOW WALL - L.M.I.

CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

Rev.	Date	Description
R4	09.01.2026	James
R3	12.01.2023	James

Drawn Date: 09.01.2026 Scale: AS SHOWN

DRAWING NO. AD17-25

Sheet No. 13 OF 36

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PKWY. STE. 301 P: 305.588.5224
MIRAMAR, FL 33027

www.MCYEngineering.com

SYSTEM 3814A WINDOW WALL - L.M.I.

CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

Rev.	Date	Description
R4	09.01.2026	James
R3	12.01.2023	James

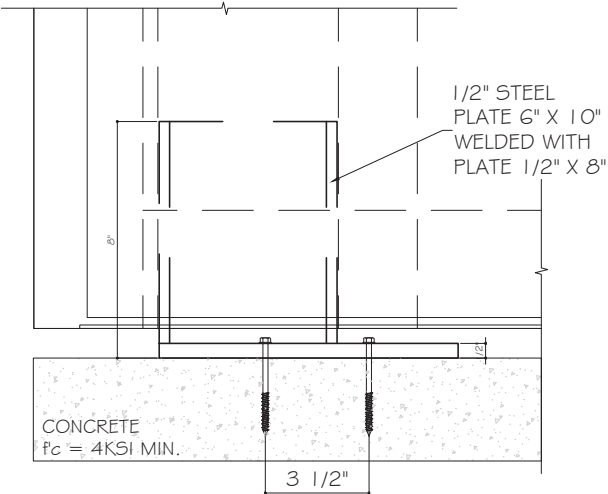
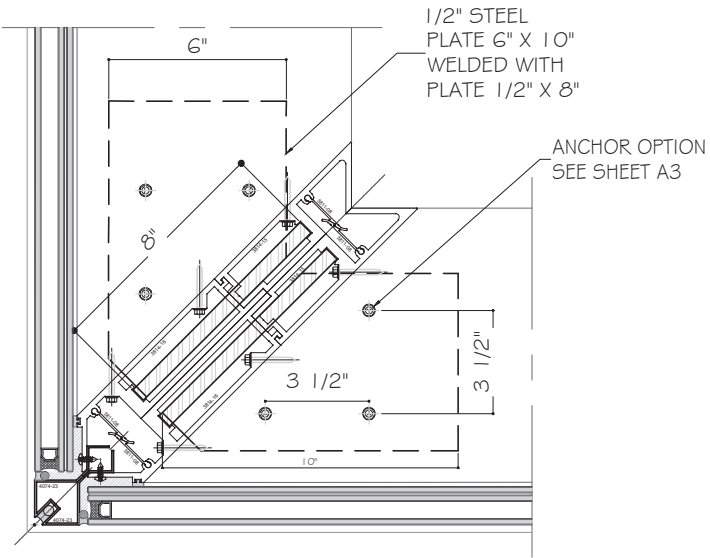
Drawn Date: 09.01.2026 Scale: AS SHOWN

DRAWING NO. AD17-25

Sheet No. 13 OF 36

ANCHORS DESIGN LOAD CAPACITY - PSF									
MULLION DIMENSION		3" MIN. EDGE DIST.			4 1/2" MIN. EDGE DIST.			3/4" MIN. EDGE DIST.	
MULLION WIDTH(IN) (W)	FRAME HEIGHT (IN)	ANCHOR TYPE A	ANCHOR TYPE B	ANCHOR TYPE C	ANCHOR TYPE A	ANCHOR TYPE B	ANCHOR TYPE C	ANCHOR TYPE D	ANCHOR TYPE D I
54	192	96	106	126	122	146	150	130	150
60		87	96	113	110	131	150	117	150
66		79	87	103	100	119	150	106	150
72		72	80	95	91	109	143	98	146
78		67	74	87	84	101	132	90	135
84		62	68	81	78	94	122	84	126
54	204	91	100	119	115	137	150	124	160
60		82	90	107	103	123	150	110	150
66		74	82	97	94	112	146	100	150
72		68	75	89	86	103	134	92	138
78		63	69	82	79	95	124	85	127
54	216	86	95	112	108	129	150	116	150
60		77	85	101	97	117	152	104	150
66		70	77	92	89	106	138	95	142
72		64	71	84	81	97	127	87	130
78		59	65	78	75	90	117	80	120
42	228	104	115	136	132	150	150	141	150
48		91	101	119	115	150	150	123	150
54		81	90	106	103	123	150	110	150
60		73	81	96	92	110	144	99	148
66		66	73	87	84	100	131	90	135
72		61	67	80	77	92	120	82	123
42	240	99	109	130	125	150	160	134	150
48		87	96	113	110	131	160	117	150
54		77	85	101	97	117	152	104	150
60		69	77	91	88	105	137	94	141
66		63	70	83	80	95	124	85	128
42	252	94	104	123	119	143	150	128	150
48		83	91	108	104	125	150	112	150
54		73	81	96	93	111	145	99	149
60		66	73	86	84	100	130	89	134
66		60	66	79	76	91	119	81	122
42	264	90	99	118	114	136	150	122	150
48		79	87	103	100	119	150	106	150
54		70	77	92	89	106	138	95	142
60		63	70	83	80	95	124	85	128

NOTE:
SEE ANCHOR TYPE ON SHEET A3



CORNER ANCHOR LAYOUT
ANCHOR LAYOUT FOR TYPICAL MULLION & JAMB SEE SHEET A I

NOTE:
SEE ANCHOR TYPE ON SHEET A3

FLORIDA APPROVAL:

FL22219.1

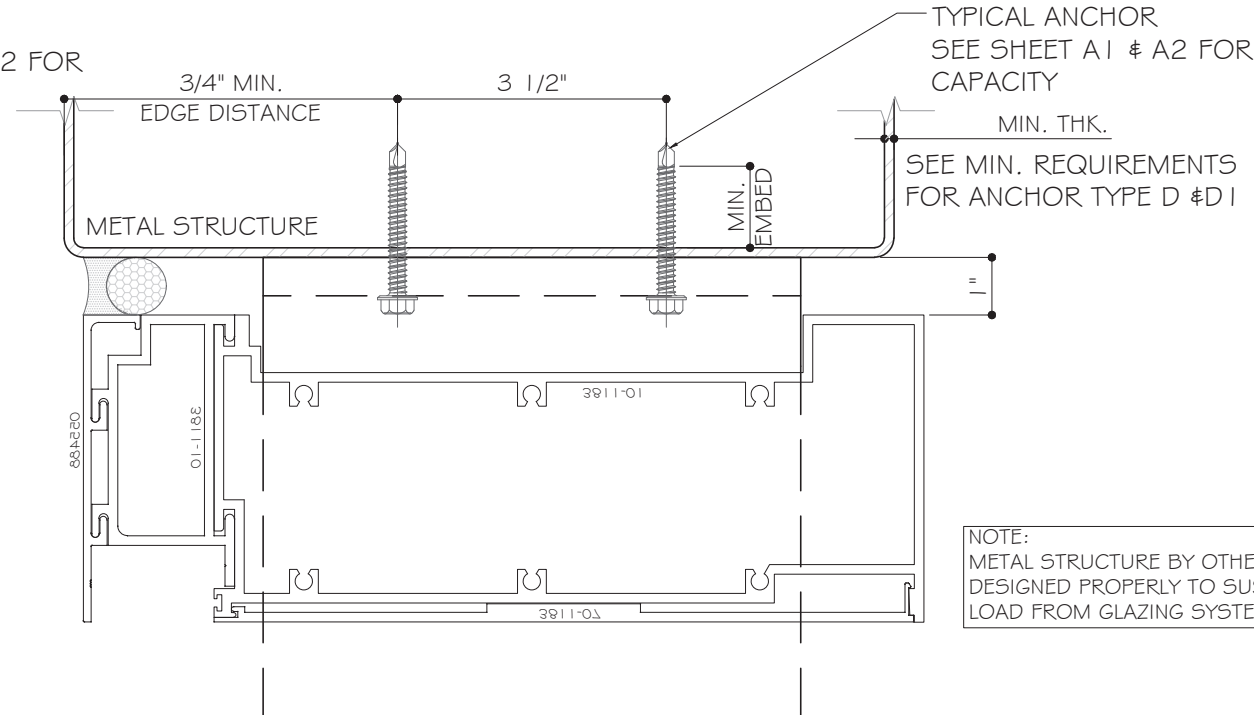
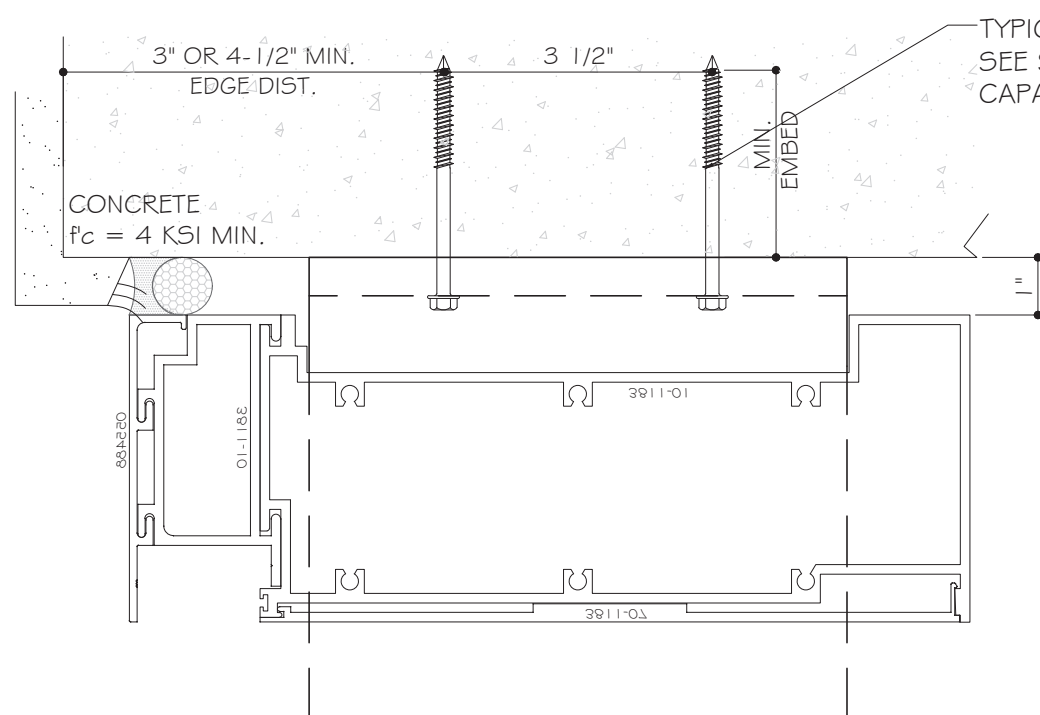
YIPING WANG, P.E.
REGISTRATION
#55983
C.A.N. 28877

No 55983

STATE OF
FLORIDA
PROFESSIONAL ENGINEER

September 1st, 2026

SYSTEM 3814A WINDOW WALL - L.M.I.					
CONTINENTAL GLASS SYSTEMS, LLC. 325 WEST 74 PLACE, HIALEAH, FL 33014 TEL. (305) 231-1101 FAX. (305) 231-1103					
		R4	09.01.2026	James	UPDATE FBC 2026
		R3	12.01.2023	James	REVISION FBC 2023
Drawn Date	Scale	Rev.	Date	Drawn By	Description
09.01.2026	AS SHOWN				
DRAWING NO.					
AD17-25					
A2					
Sheet No.					
14 OF 36					



TYPICAL ANCHORS AT HEAD/SILL:

TYPE "A": 3/8" DIA. SCREW-BOLT + ($F_u = 92.5$ KSI, $F_y = 80$ KSI)
1-1/2" MIN. EMBED DIRECTLY INTO $f'_c=4$ KSI MIN. CONCRETE
@ 3 1/2" MIN. O.C.

TYPE "B": 3/8" DIA. SCREW-BOLT + ($F_u = 92.5$ KSI, $F_y = 80$ KSI)
2" MIN. EMBED DIRECTLY INTO $f'_c=4$ KSI MIN. CONCRETE
@ 3 1/2" MIN. O.C.

TYPE "C": 3/8" DIA. SCREW-BOLT + ($F_u = 92.5$ KSI, $F_y = 80$ KSI)
3 1/4" MIN. EMBED DIRECTLY INTO $f'_c=4$ KSI MIN. CONCRETE
@ 3 1/2" MIN. O.C.

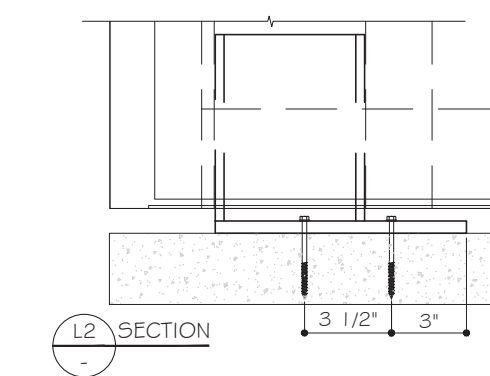
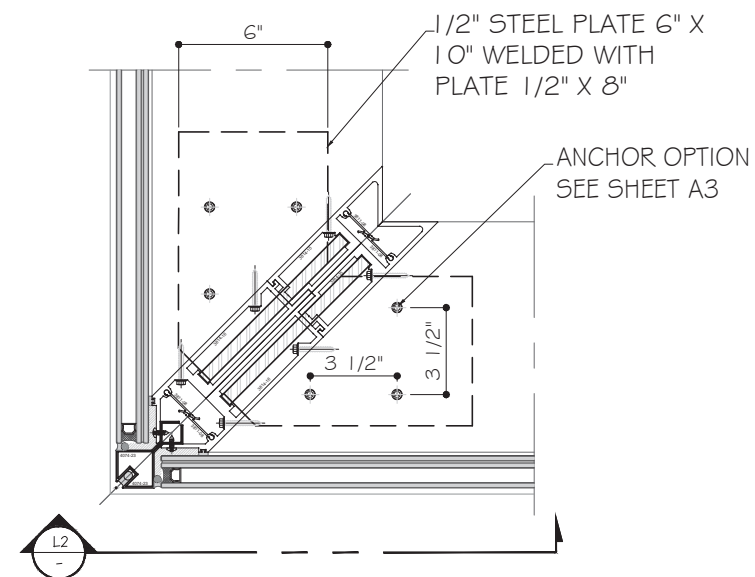
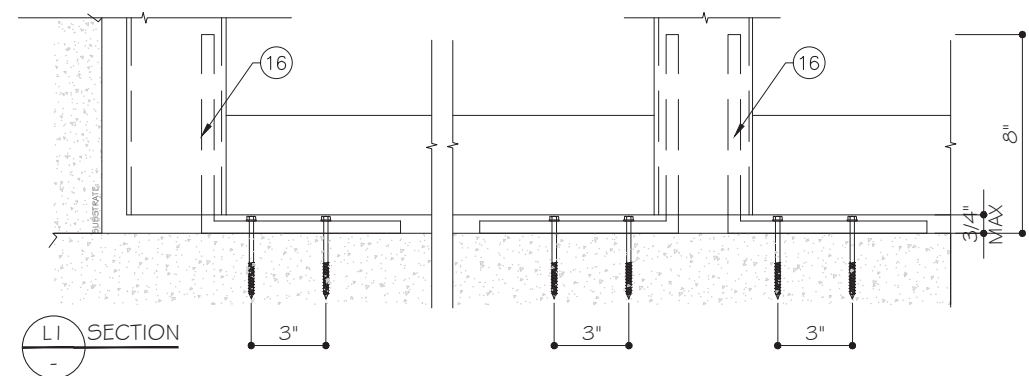
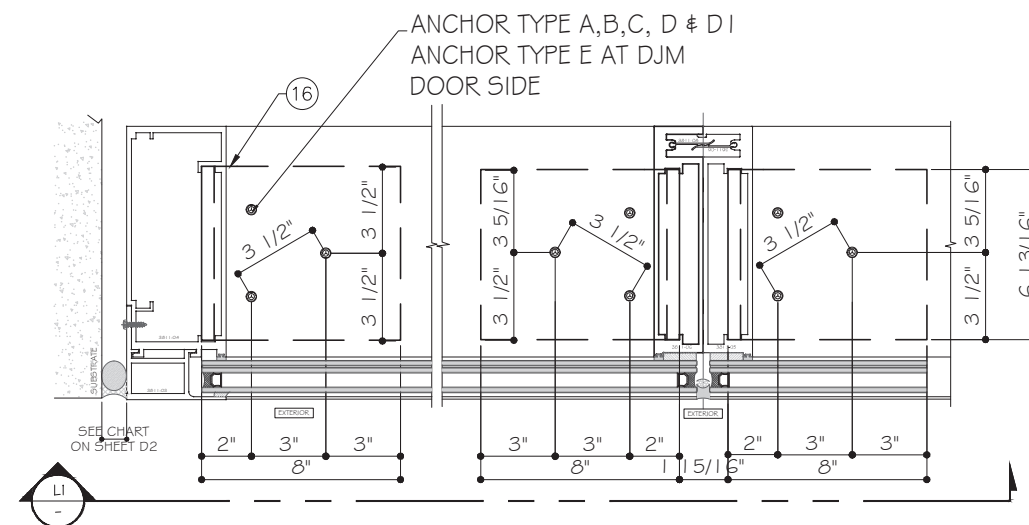
TYPE "D": 5/16" DIA. TEKS ($F_u = 120$ KSI, $F_y = 92$ KSI)
INTO 1/8" MIN. THK. ALUMINUM STRUCTURE (6063-T6)
@ 3 1/2" O.C.
3/4" MIN. EDGE DISTANCE.

TYPE "D1": 5/16" DIA. TEKS ($F_u = 120$ KSI, $F_y = 92$ KSI)
INTO 3/16" MIN. THK. ALUMINUM STRUCTURE (6063-T6)
OR 1/8" MIN. THK. STEEL
@ 3 1/2" O.C.
3/4" MIN. EDGE DISTANCE.

TYPE "E": 5/16" DIA. DEWALT FH ULTRACON ($F_u = 177$ KSI, $F_y = 155$ KSI)
2" EMBED DIRECTLY INTO CONCRETE $f'_c=4$ KSI MIN.
3 1/2" O.C. (AT DOOR JAMB MULLION)
3" MIN. EDGE DISTANCE.

EDGE DISTANCE:

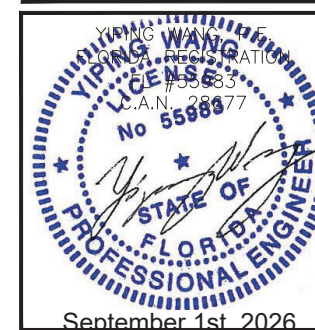
ANCHOR TYPE A,B & C
3" MIN. EDGE DIST. OR 4 1/2" MIN. EDGE DIST.
SEE SHEET A1 & A2 FOR CAPACITY.



-SEALANTS:

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

FLORIDA APPROVAL:
FL22219.1



SYSTEM 3814A WINDOW WALL - L.M.I.

CONTINENTAL GLASS SYSTEMS, LLC.

325 WEST 74 PLACE, HIALEAH, FL 33014

TEL. (305) 231-1101 FAX. (305) 231-1103

MCY ENGINEERING, INC.

GLAZING CONSULTANTS



12781 MIRAMAR PKWY. STE. 301 P: 305.588.5224
MIRAMAR, FL 33027

www.MCYEngineering.com MCY@mcyengineering.com

Rev. No.	Date	Drawn By	Description
R4	09.01.2026	James	UPDATE FBC 2026
R3	12.01.2023	James	REVISION FBC 2023
Scale AS SHOWN			
DRAWING NO. AD17-25			
Sheet No. 15 OF 36			

ANCHORS TYPE	MIN. EDGE DIST.	NUMBER OF ANCHORS AT DJM	ALLOW. MAX. REACTION (LBF)
A	3"	6	3468
B		6	3828
C		6	4538
A	4 1/2"	6	4386
B		6	5244
C		6	6846
D	3/4"	6	4686
D1		6	7032

$$R_{wt} = \left(\frac{W1}{4} + \frac{W2}{2} \right) * \frac{L}{2} * Wn + \frac{W1}{4} * \frac{L}{2} * Wn * \frac{A}{L}$$

$$R_{wb} = \left(\frac{W1}{4} + \frac{W2}{2} \right) * \frac{L}{2} * Wn + \frac{W1}{4} * \frac{L}{2} * Wn * \frac{(L-A)}{L}$$

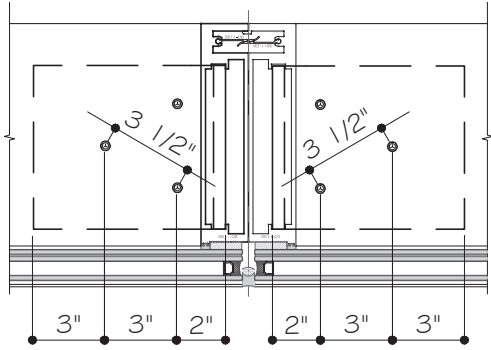
(3) ANCHORS @ WINDOW W SIDE	MIN. EDGE DIST.	(3) ANCHORS @ DOOR SIDE	MIN. EDGE DIST.	ALLOW. MAX. REACTION (LBF)
A	3"	E	3"	3642
B		E	3"	3822
C		E	3"	4177
A	4 1/2"	E	3"	4101
B		E	3"	4530
C		E	3"	5331

ANCHORS TYPE	MIN. EDGE DIST.	NUMBER OF ANCHORS AT DJJ	ALLOW. MAX. REACTION (LBF)
A	3"	3	1734
B		3	1914
C		3	2269
A	4 1/2"	3	2193
B		3	2622
C		3	3423
D	3/4"	3	2343
D1		3	3516

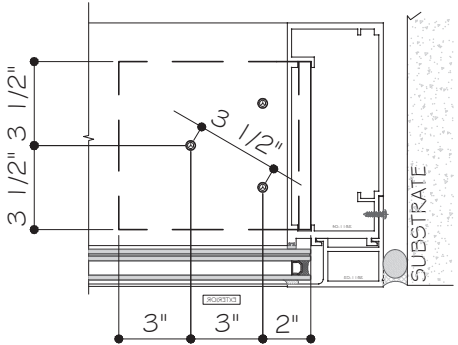
$$R_{jt} = \frac{W1}{4} * \frac{L}{2} * Wn + \frac{W1}{4} * \frac{L}{2} * Wn * \frac{A}{L}$$

$$R_{jb} = \frac{W1}{4} * \frac{L}{2} * Wn + \frac{W1}{4} * \frac{L}{2} * Wn * \frac{(L-A)}{L}$$

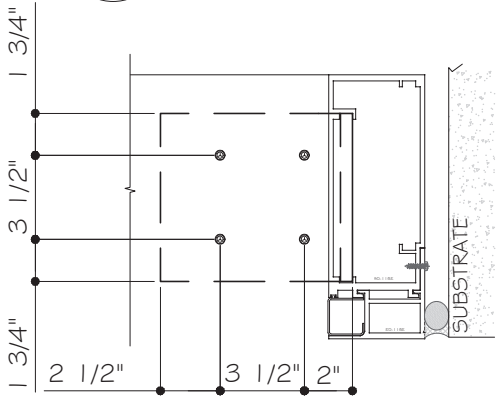
ANCHORS TYPE	MIN. EDGE DIST.	NUMBER OF ANCHORS AT DJJ	ALLOW. MAX. REACTION (LBF)
E	3"	3	1908
E		4	2545



A
A4
ANCHOR LAYOUT FOR DJM



B
A4
ANCHOR LAYOUT FOR DJJ WITH (3) ANCHORS

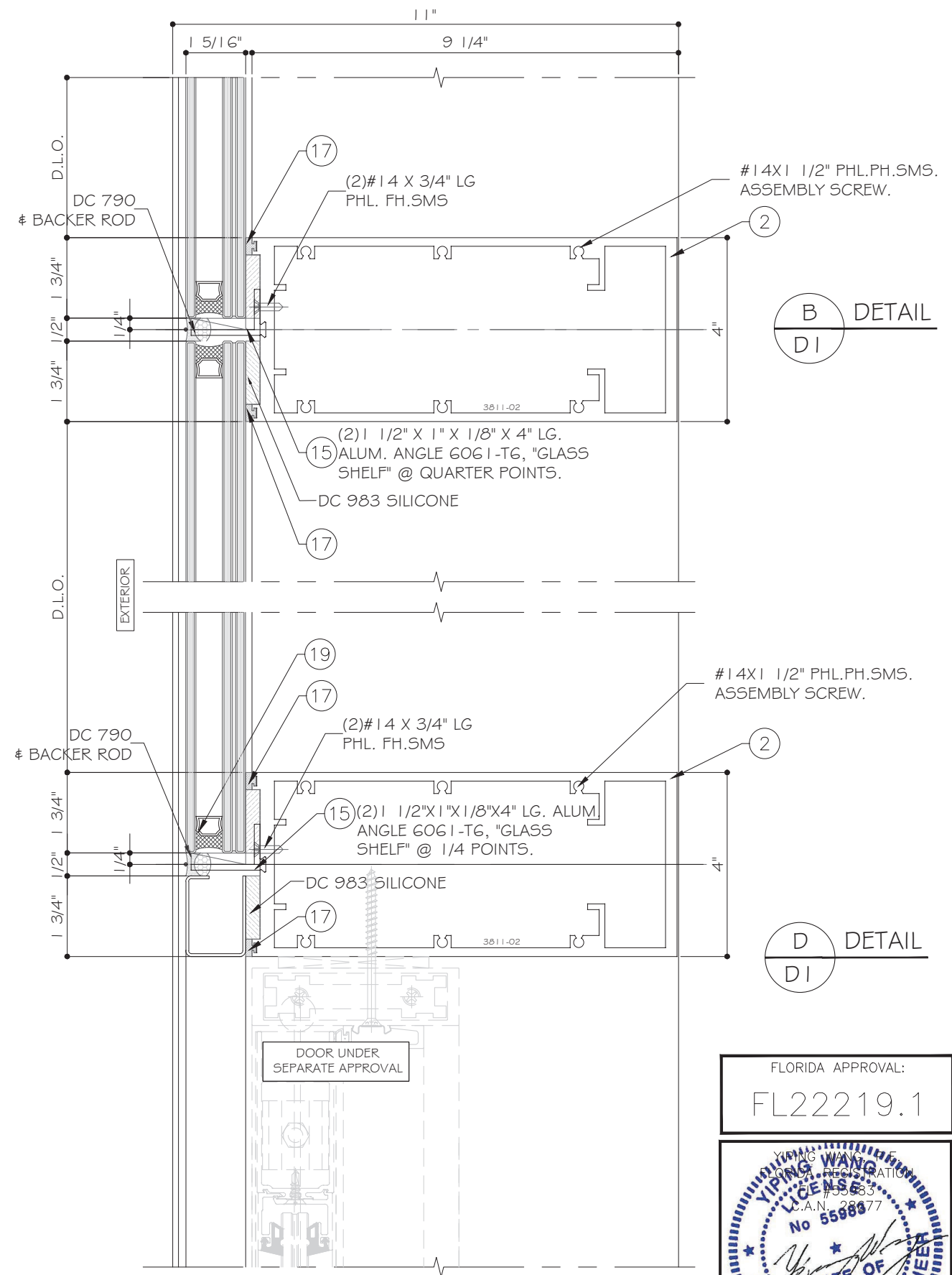
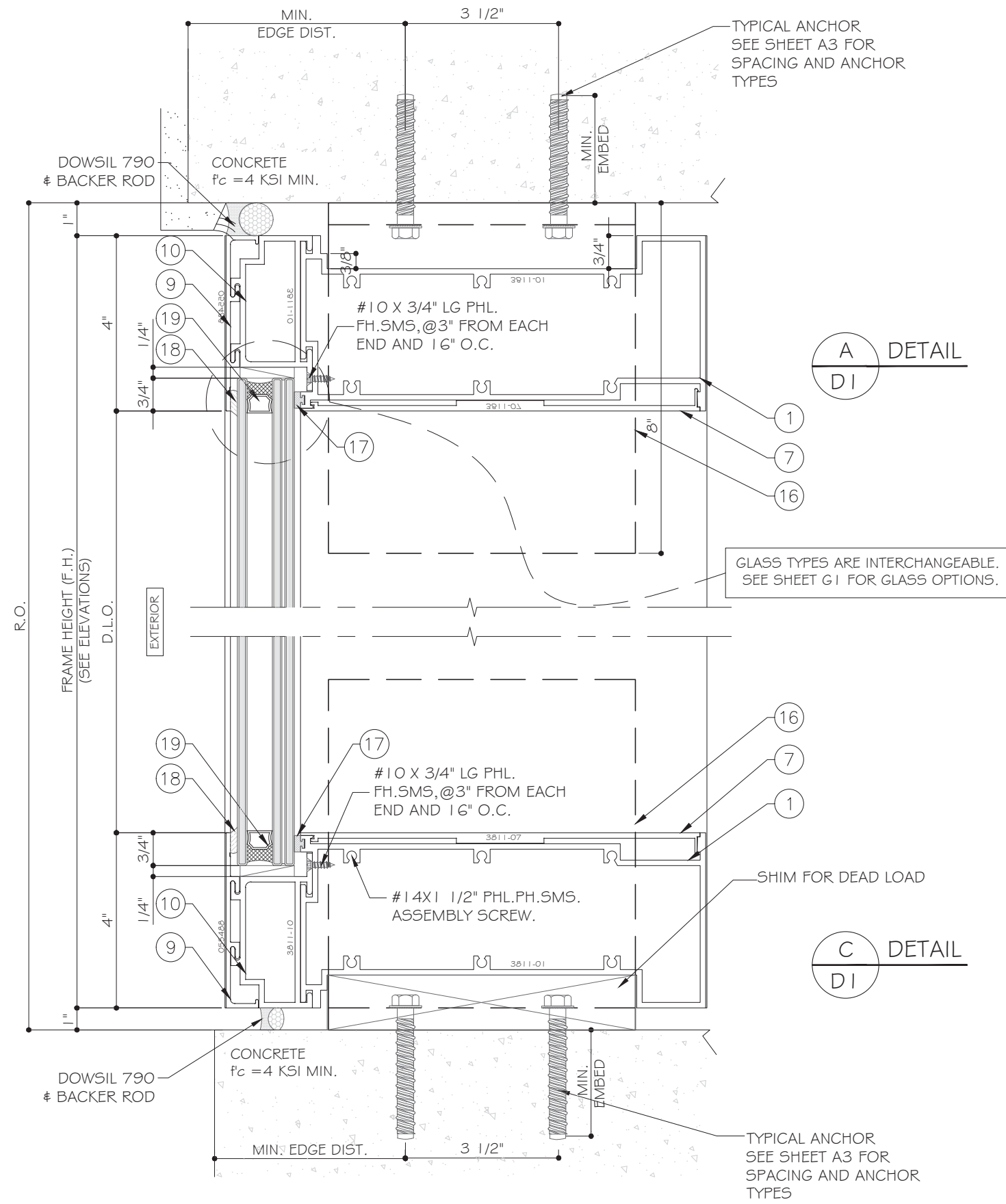


B
A4
ANCHOR LAYOUT FOR DJJ WITH (4) ANCHORS

FLORIDA APPROVAL:
FL22219.1



Rev. No.	Date	Drawn By	Description
R4	09.01.2026	James	UPDATE FBC 2026
R3	12.01.2023	James	REVISION FBC 2023
Drawing No. AD17-25			
Sheet No. 16 OF 36			



FLORIDA APPROVAL:

FL22219.1

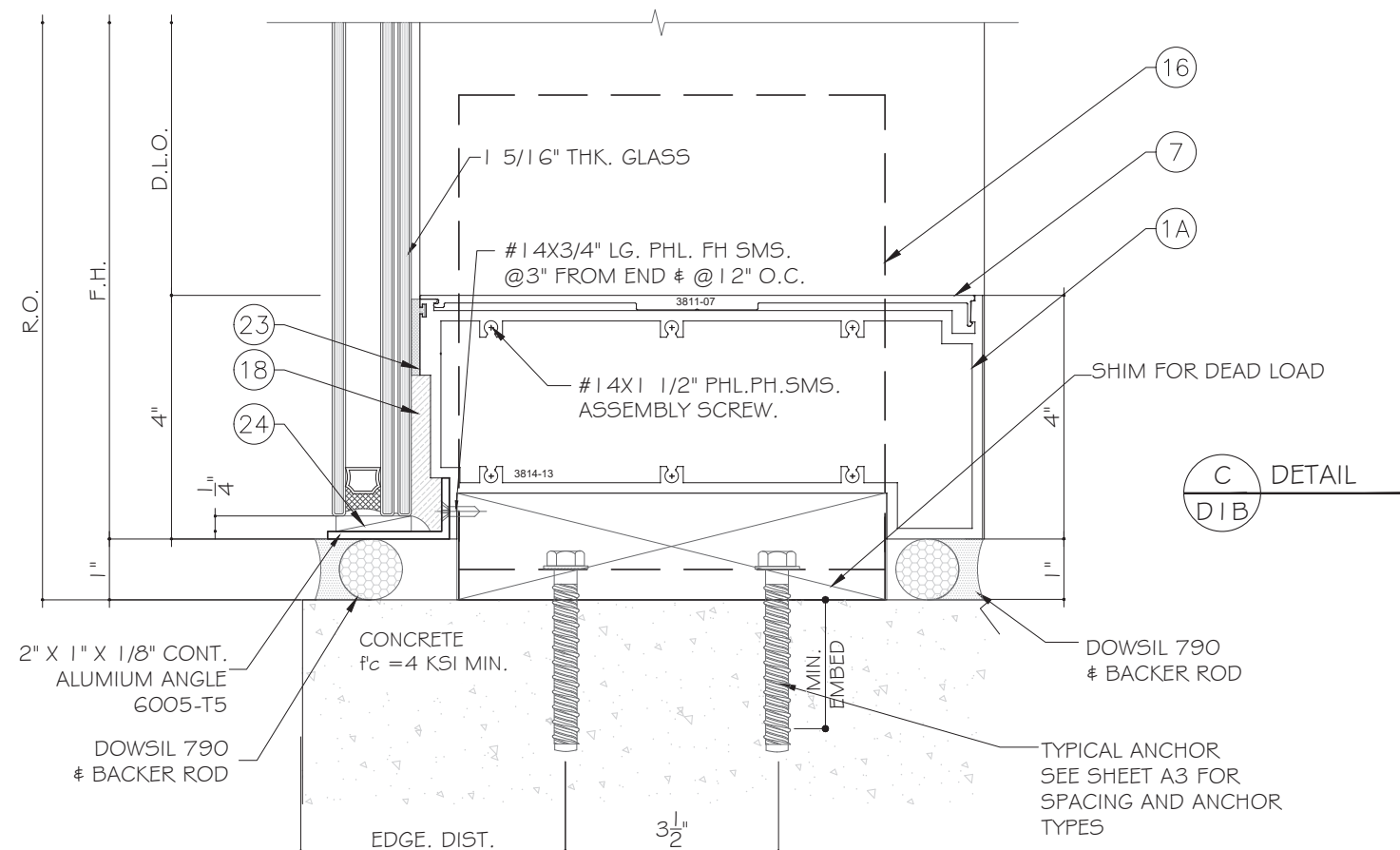
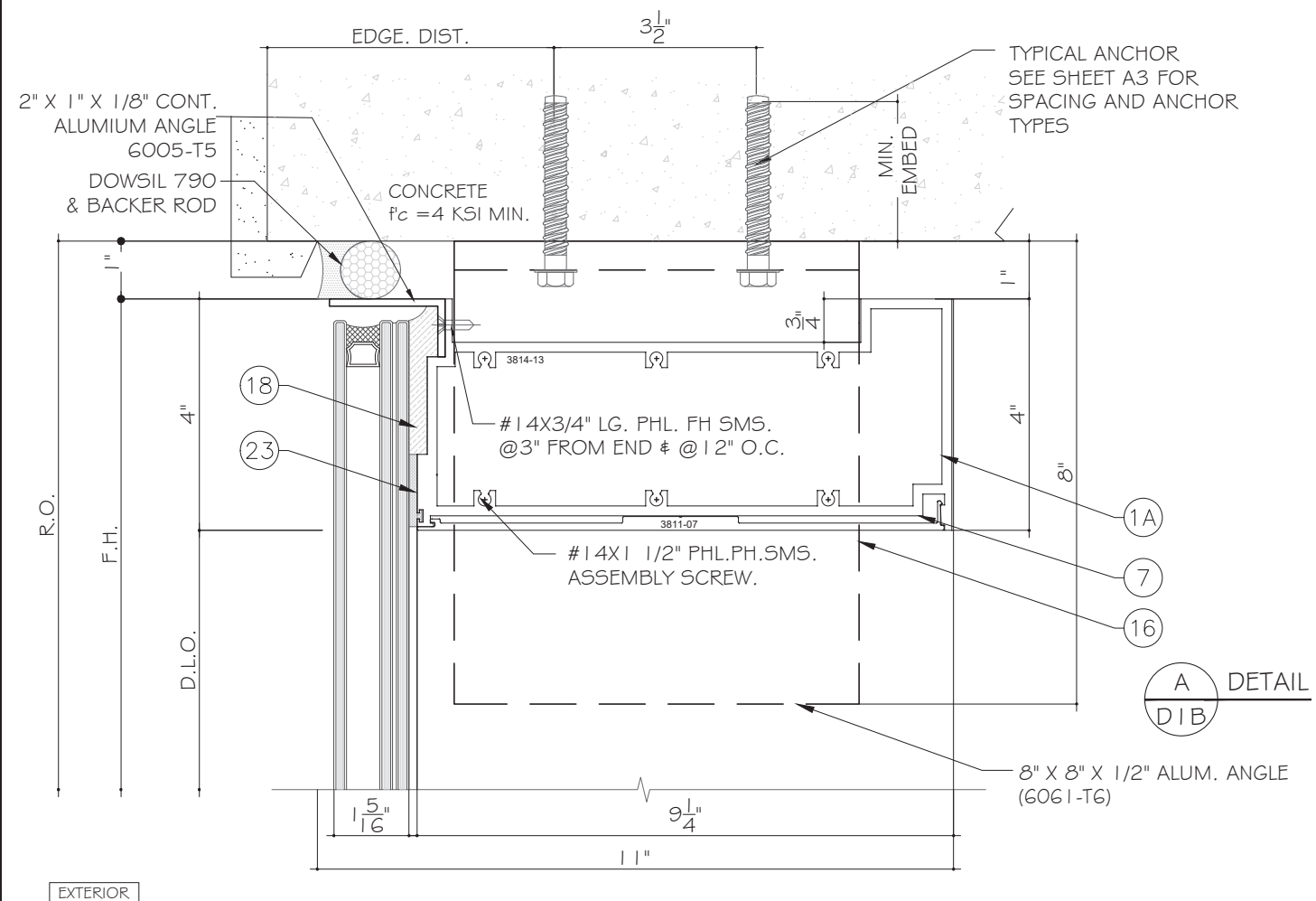
YIPING WANG
C.O.E.
COUNCIL REGISTRATION
#35583
C.A.N. 28877

No 55883

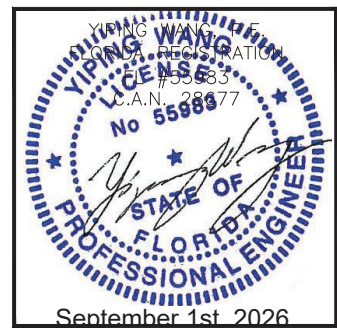
STATE OF
FLORIDA

PROFESSIONAL ENGINEER

September 1st, 2026



FLORIDA APPROVAL:
FL22219.1

[illegible]

SYSTEM 3814A WINDOW WALL - L.M.I.

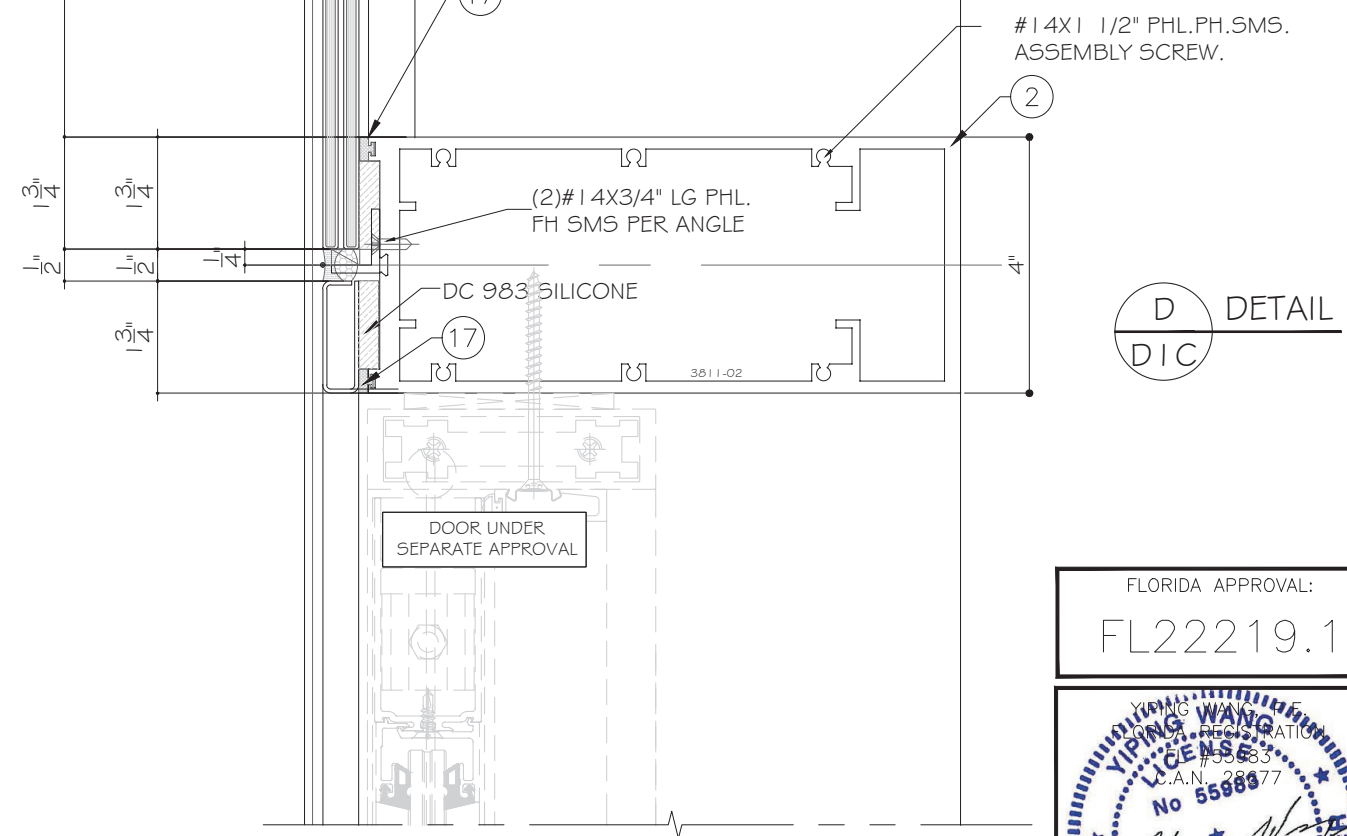
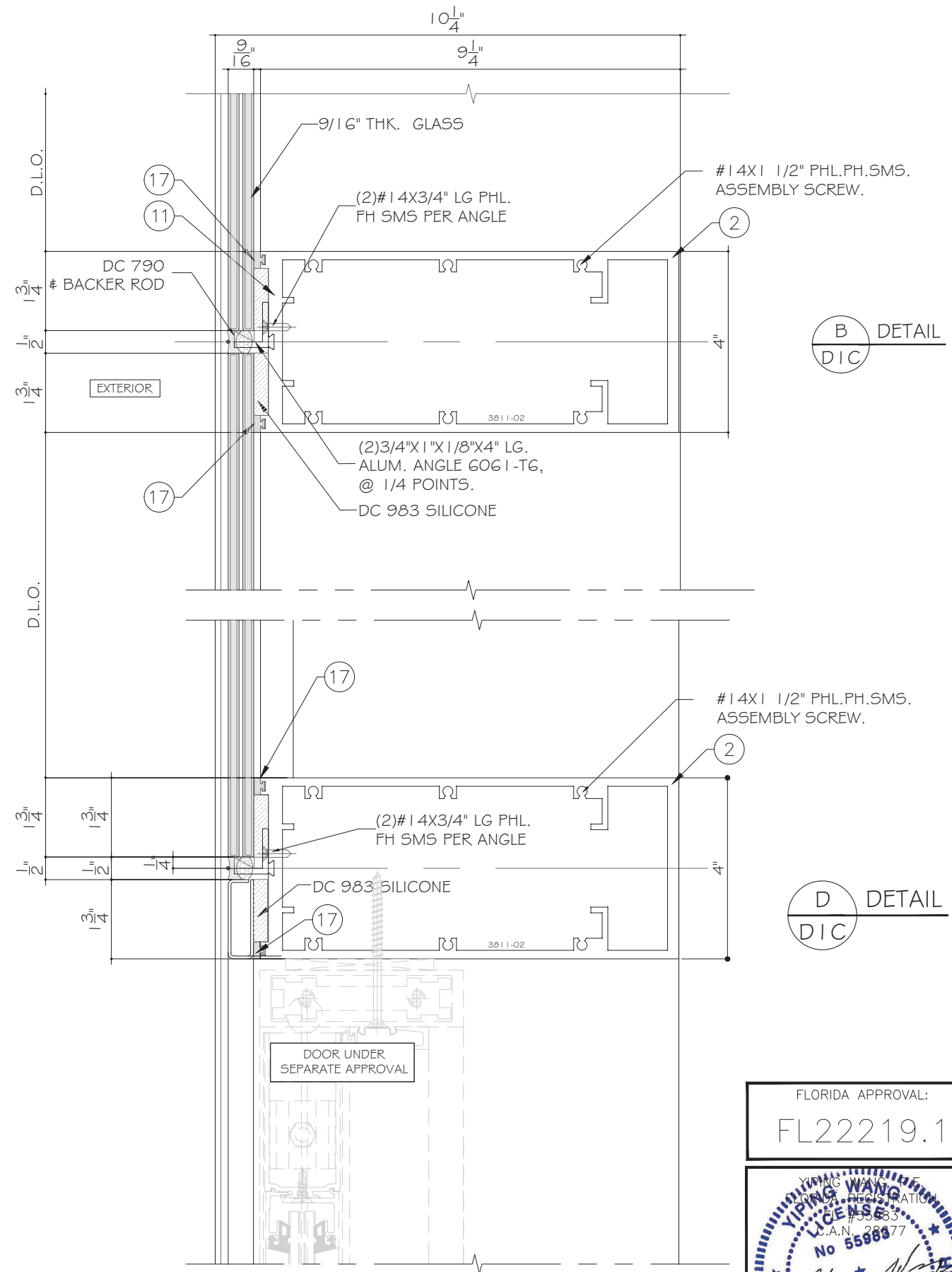
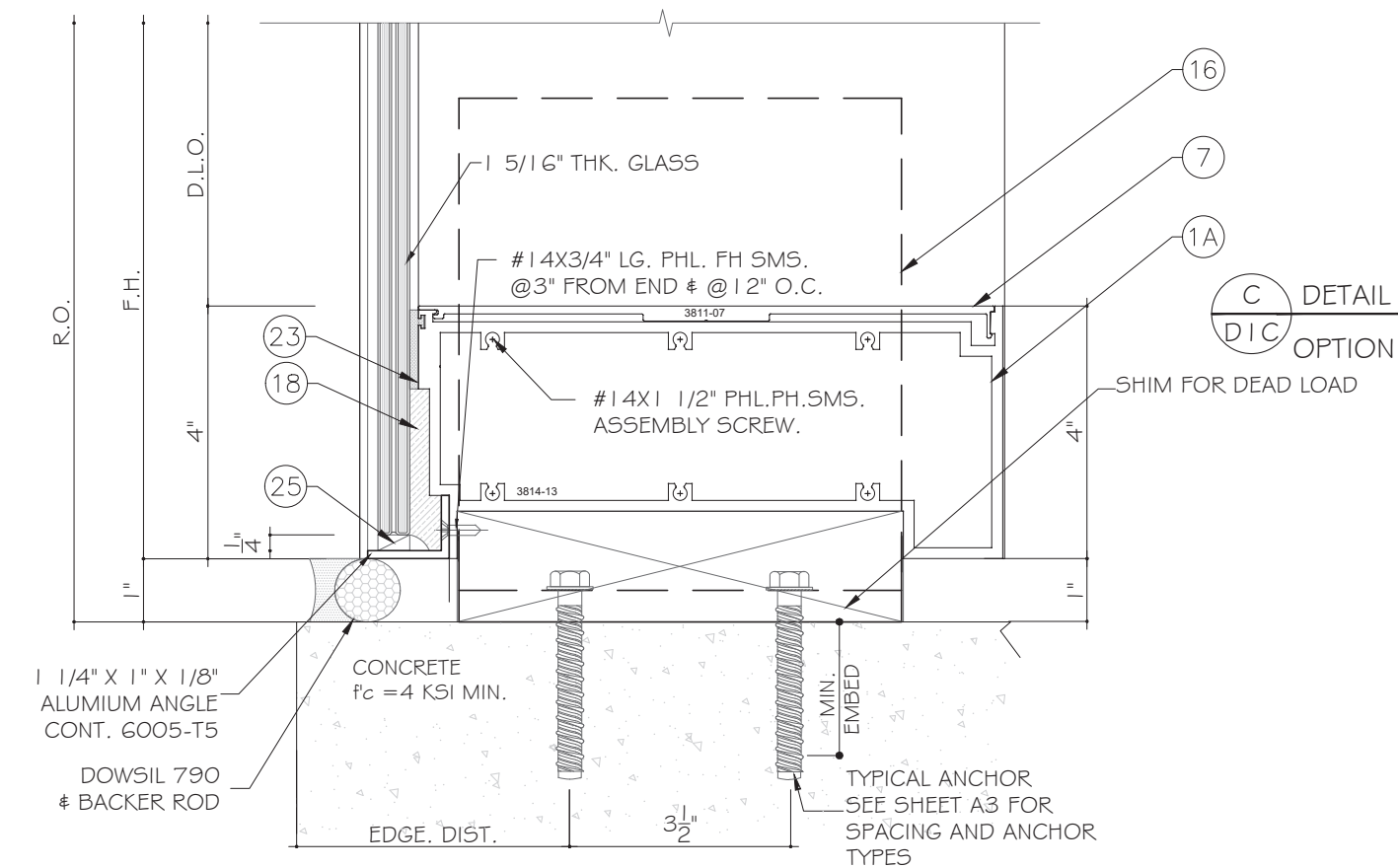
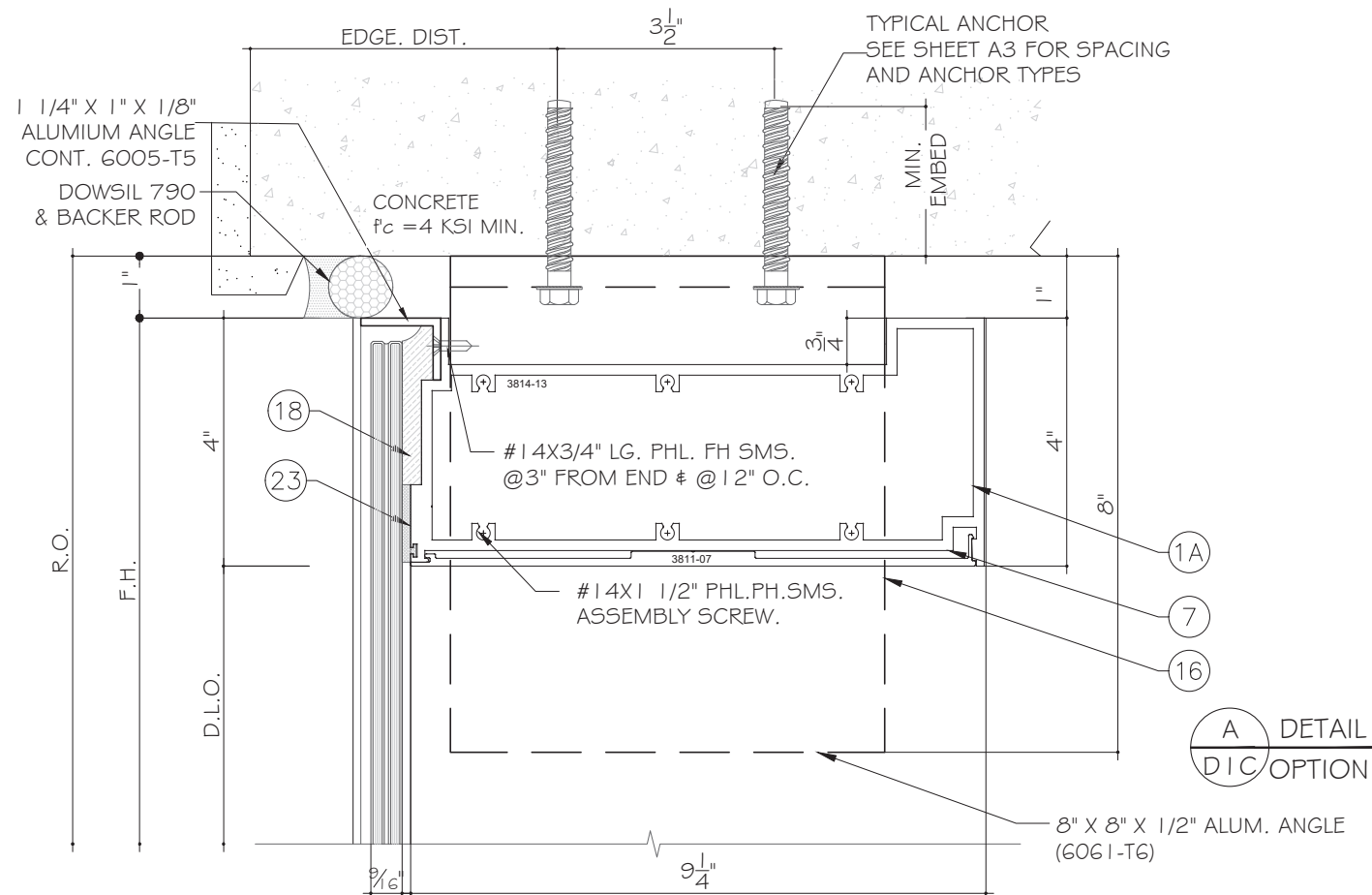
CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103



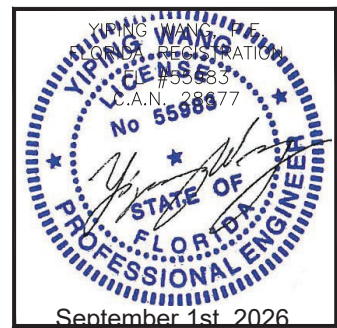
MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PKWY. STE. 301 P: 305.588.5224
MIRAMAR, FL 33027

www.MCYEngineering.com MCY@mcyengineering.com



FLORIDA APPROVAL:
FL22219.1



Rev. No.	Date	Drawn By	Description
R4	09.01.2026	James	UPDATE FBC 2026
R3	12.01.2023	James	REVISION FBC 2023
DRAWING NO. AD17-25			
D/C			
Sheet No. 20 OF 36			

1/2" X 7" STL BAR, SEE
CHART FOR REQUIREMENT

#14 X 3/4" LG PHL.PH
SMS AT 3" FROM
END @ 18" O.C.

DOWSIL 790
BACKER ROD

SEE
CHART

GLASS TYPES ARE INTERCHANGEABLE.
SEE SHEET G1 FOR GLASS OPTIONS.

10 X 1/2" LG 5/5
P.H. SMS SCREWS
AT 3" FROM ENDS @ 18" O.C.

DOWSIL 790
BACKER ROD

SEE
CHART

MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
144"	1/2"	1 1/2"
156"	1/2"	1 1/2"
168"	5/8"	1 1/2"
180"	5/8"	1 1/2"
192"	5/8"	1 1/2"
204"	5/8"	1 1/2"
216"	3/4"	1 1/2"
228"	3/4"	1 1/2"
240"	3/4"	1 1/2"
252"	7/8"	1 1/2"
264"	7/8"	1 1/2"

F
D2

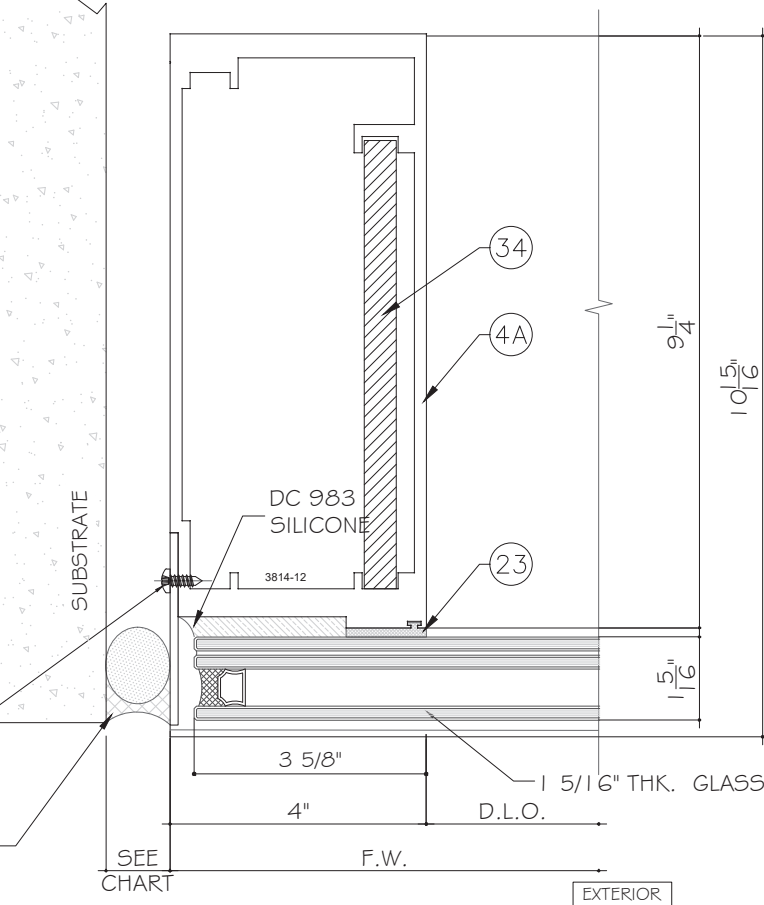
DETAIL

G
D2

DETAIL

H
D2

DETAIL



F2
D2

DETAIL

OPTIONAL

1/2"x5/8"
SHIM

1 3/8"
SILICONE WIDTH

DC 983
SILICONE

EXTERIOR

D.L.O.

1/2"x5/8"
SHIM

1 3/8"
SILICONE WIDTH

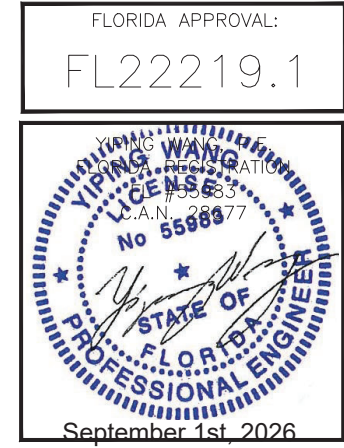
DOWSIL 790
BACKER ROD

EXTERIOR

D.L.O.

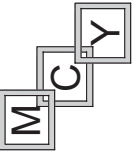
DOOR UNDER
SEPARATE APPROVAL

5/16" DIA. FLATHEAD
ULTRACONS



MCY ENGINEERING, INC.

GLAZING CONSULTANTS



12781 MIRAMAR PKWY. STE. 301 P: 305.588.5224
MIRAMAR, FL 33027

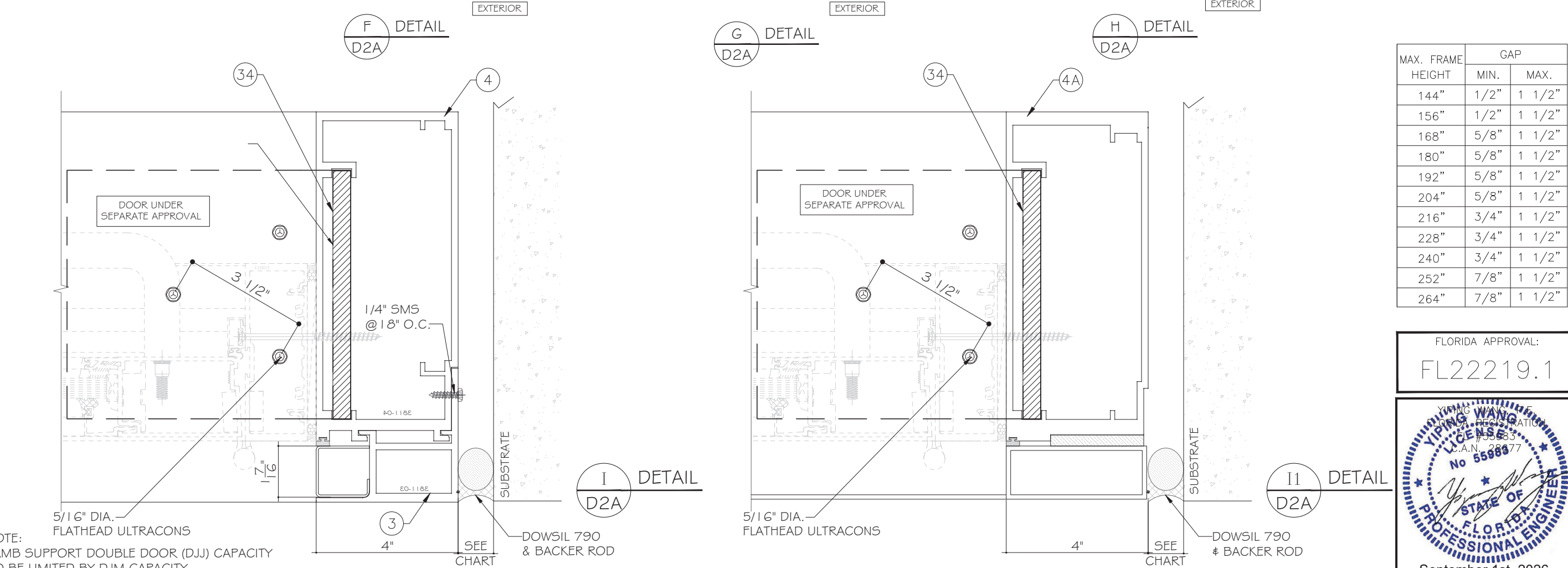
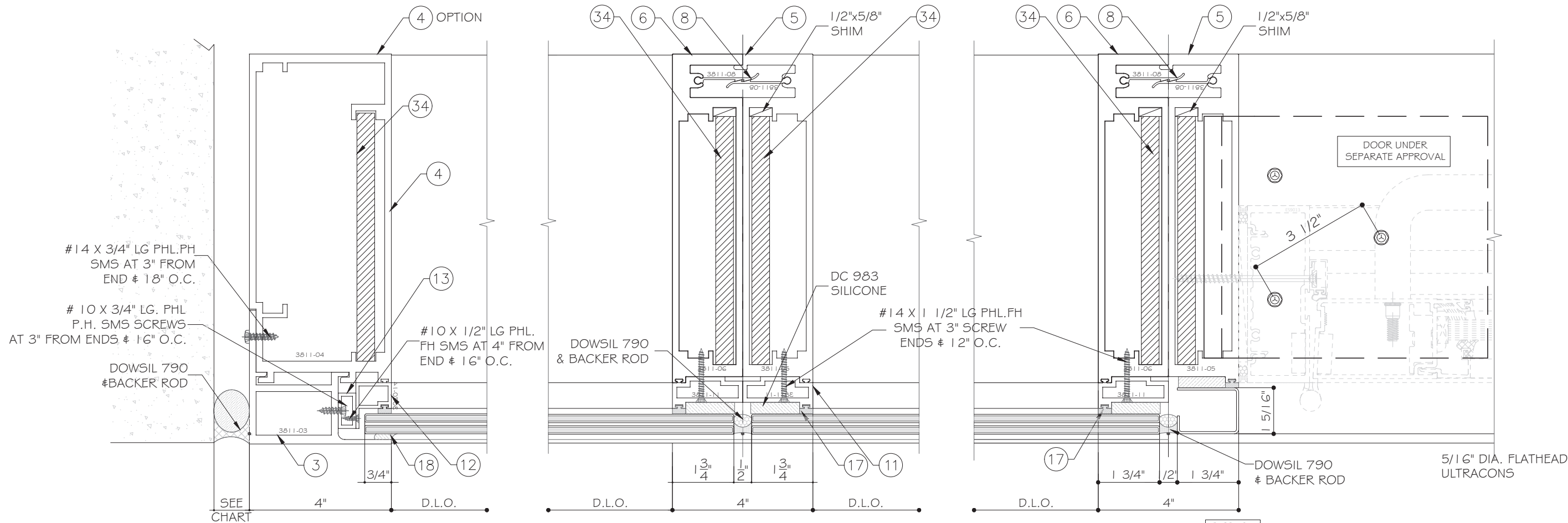
www.MCYEngineering.com MCY@mcycengineering.com

SYSTEM 3814A WINDOW WALL - L.M.I.

CONTINENTAL GLASS SYSTEMS, LLC.

325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

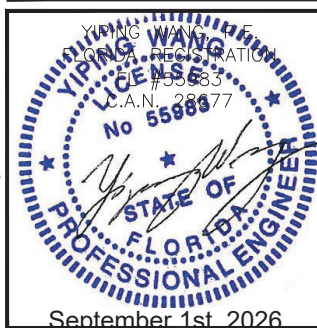
Rev. No.	Date	Drawn By	Description
R4	09.01.2026	James	UPDATE FBC 2026
R3	12.01.2023	James	REVISION FBC 2023
Drawing No. AD17-25			
Sheet No. 21 OF 36			



NOTE:
JAMB SUPPORT DOUBLE DOOR (DJJ) CAPACITY
TO BE LIMITED BY DJM CAPACITY.

MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
144"	1/2"	1 1/2"
156"	1/2"	1 1/2"
168"	5/8"	1 1/2"
180"	5/8"	1 1/2"
192"	5/8"	1 1/2"
204"	5/8"	1 1/2"
216"	3/4"	1 1/2"
228"	3/4"	1 1/2"
240"	3/4"	1 1/2"
252"	7/8"	1 1/2"
264"	7/8"	1 1/2"

FLORIDA APPROVAL:
FL22219.1



MCY ENGINEERING, INC.
GLAZING CONSULTANTS

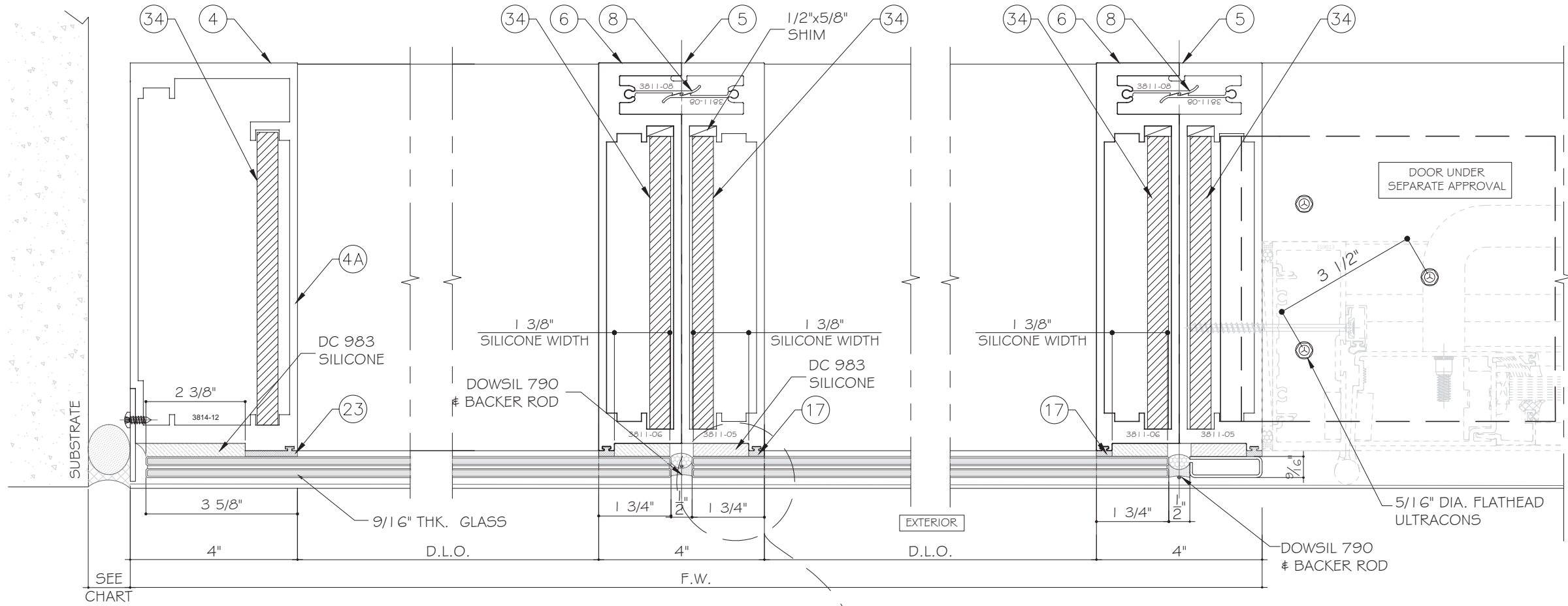
12781 MIRAMAR PKWY. STE. 301 P: 305.588.5224
MIRAMAR, FL 33027
www.MCYEngineering.com

SYSTEM 3814A WINDOW WALL - L.M.I.

CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

Rev. No.	Date	Drawn By	Description
R4	09.01.2026	James	UPDATE FBC 2026
R3	12.01.2023	James	REVISION FBC 2023
Drawn Date: 09.01.2026 Scale: AS SHOWN DRAWING NO. AD17-25 D2A Sheet No. 22 OF 36			

MAX. FRAME HEIGHT	GAP	
	MIN.	MAX.
144"	1/2"	1 1/2"
156"	1/2"	1 1/2"
168"	5/8"	1 1/2"
180"	5/8"	1 1/2"
192"	5/8"	1 1/2"
204"	5/8"	1 1/2"
216"	3/4"	1 1/2"
228"	3/4"	1 1/2"
240"	3/4"	1 1/2"
252"	7/8"	1 1/2"
264"	7/8"	1 1/2"



F
D2B

DETAIL

G
D2B

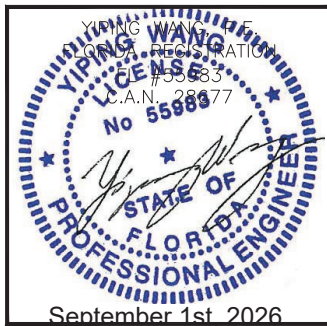
DETAIL

H
D2B

DETAIL

GLASS TYPES ARE INTERCHANGEABLE.
SEE SHEET G1 FOR GLASS OPTIONS.

FLORIDA APPROVAL:
FL22219.1



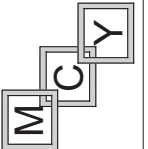
SYSTEM 3814A WINDOW WALL - L.M.I.

CONTINENTAL GLASS SYSTEMS, LLC.

325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

MCY ENGINEERING, INC.

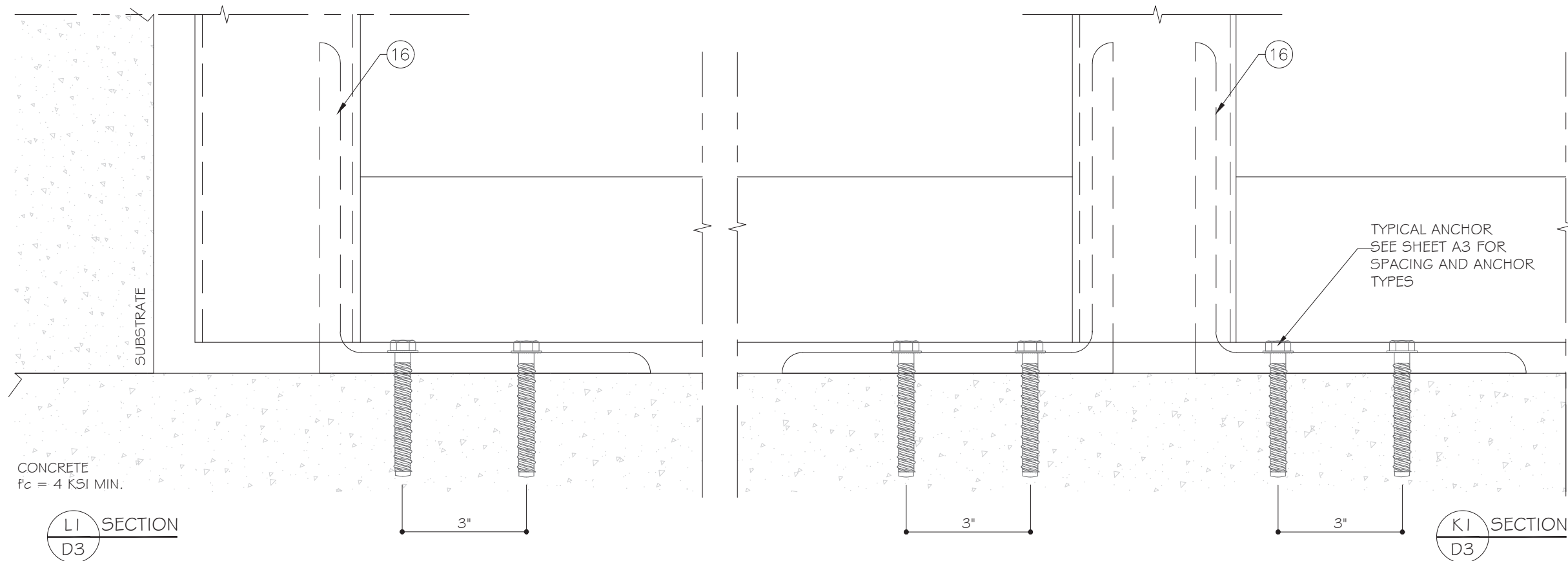
GLAZING CONSULTANTS



12781 MIRAMAR PKWY. STE. 301 P. 305.588.5224
MIRAMAR, FL 33027

www.MCYEngineering.com MCY@mcycengineering.com

Rev. No.	Date	Drawn By	Description
R4	09.01.2026	James	UPDATE FBC 2026
R3	12.01.2023	James	REVISION FBC 2023
Drawn Date 09.01.2026 Scale AS SHOWN			
DRAWING NO. AD17-25			
D2B			
Sheet No. 23 OF 36			



SYSTEM 3814A WINDOW WALL - L.M.I.
CONTINENTAL GLASS SYSTEMS, LLC.



12781 MIRAMAR PKWY. STE. 301 P: 305.588.5224
MIRAMAR, FL 33027

www.MCYEngineering.com
MCY@mcysengineering.com

MCY@mcyengineering.com

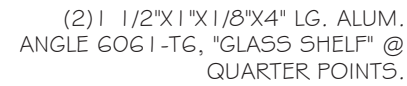
FLORIDA APPROVAL:

FL22219.1

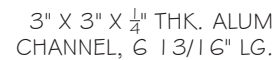
YIPING WANG
ENGINEER
153683
C.A.N. 28977
No 55889
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

September 1st, 2026

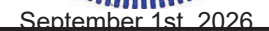
					R4	09.01.2026	James		UPDATE FBC 2026
					R3	12.01.2023	James		REVISION FBC 2023
					Rev. No.	Date	Drawn By		Description
Drawn Date 09.01.2026							Scale AS SHOWN		
DRAWING NO.									
AD17-25									
D3									
Sheet No.									
24 OF 36									



M
D4



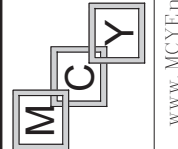
FL22219.1

SYSTEM 3814A WINDOW WALL - L.M.I.

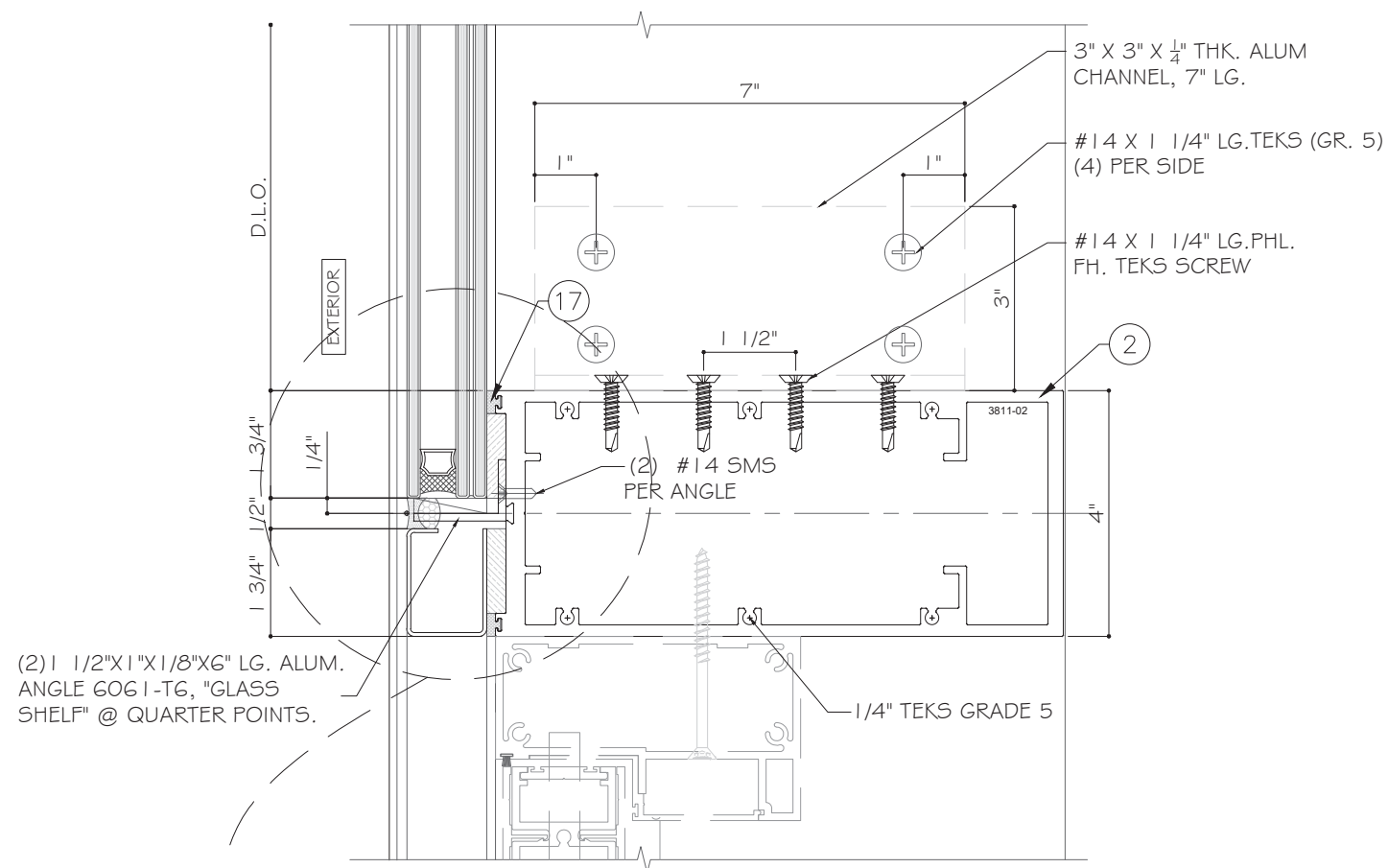
CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE, HIALEAH, FL 33014

TEL. (305) 231-1101 FAX. (305) 231-1103

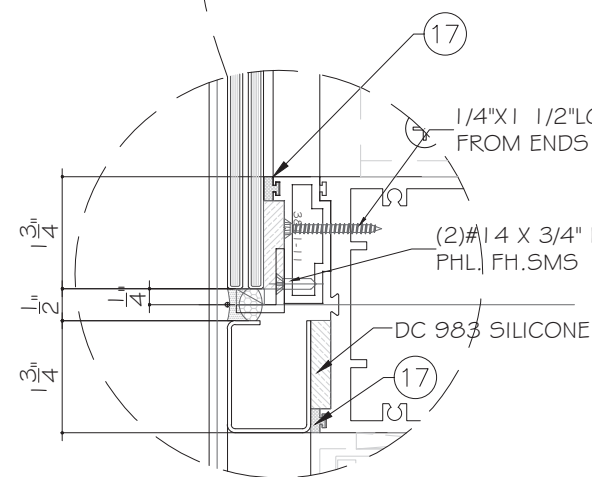
MCY ENGINEERING, INC.
GLAZING CONSULTANTS



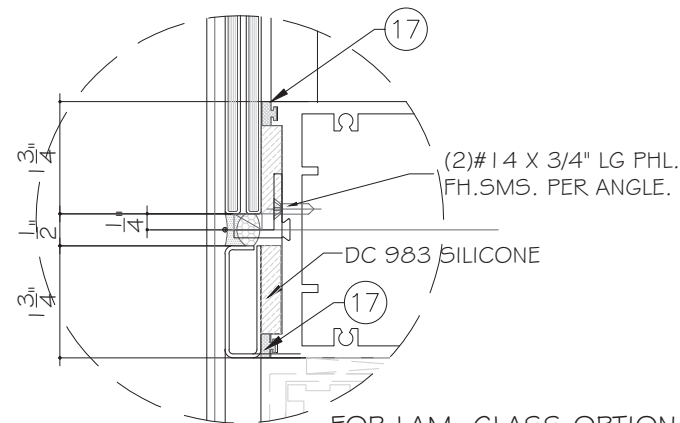
www.MCYEngineering.com MCY@mcysengineering.com



(2) 1 1/2" X 1" X 1/8" X 6" LG. ALUM. ANGLE 6061-T6, "GLASS SHELF" @ QUARTER POINTS.



FOR LAM. GLASS OPTION WITH ADAPTOR

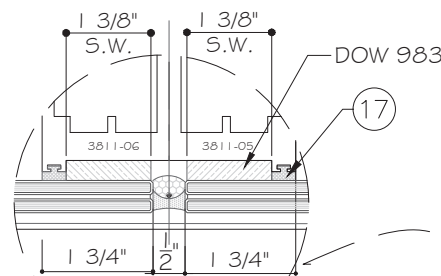
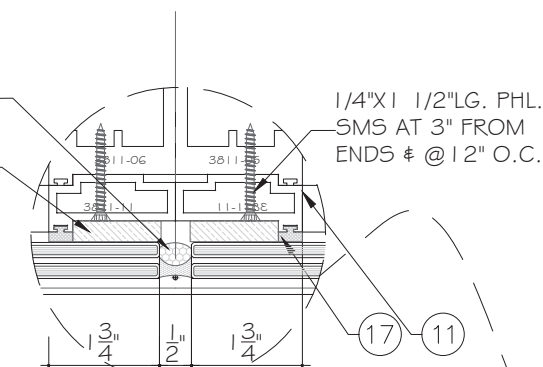


FOR LAM. GLASS OPTION WITHOUT ADAPTOR

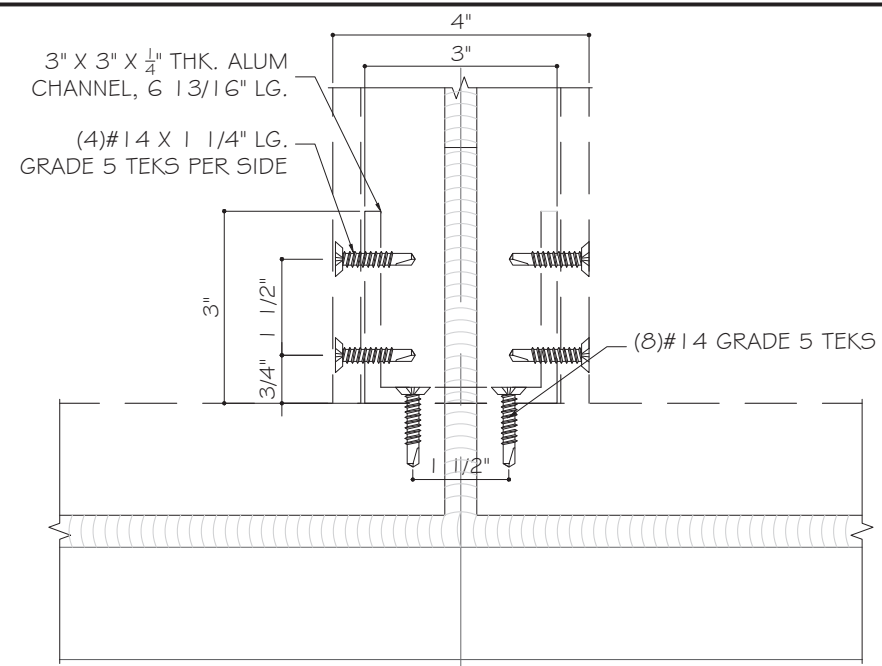
A
D5
DETAIL

DOWSIL 790
#BACKER ROD
DOW 983

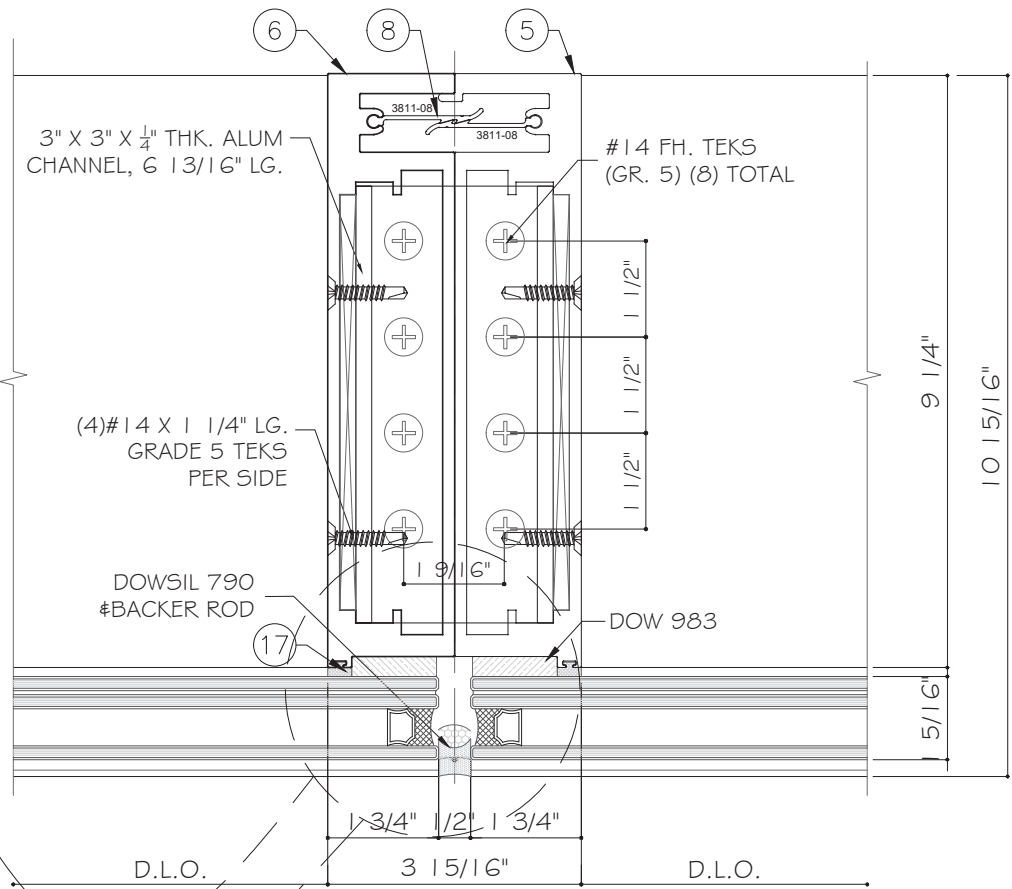
1/4" X 1 1/2" LG. PHL. SMS AT 3" FROM ENDS & @ 12" O.C.



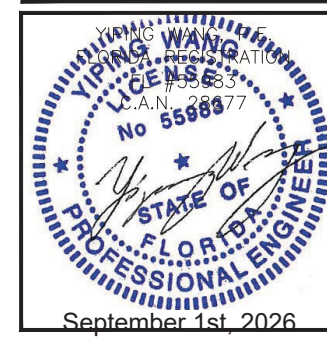
C
D5
DETAIL



B
D5
DETAIL
FRONT VIEW



FLORIDA APPROVAL:
FL22219.1



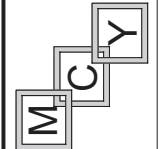
SYSTEM 3814A WINDOW WALL - L.M.I.

CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

Rev. No.	Date	Drawn By	Description
R4	09.01.2026	James	UPDATE FBC 2026
R3	12.01.2023	James	REVISION FBC 2023

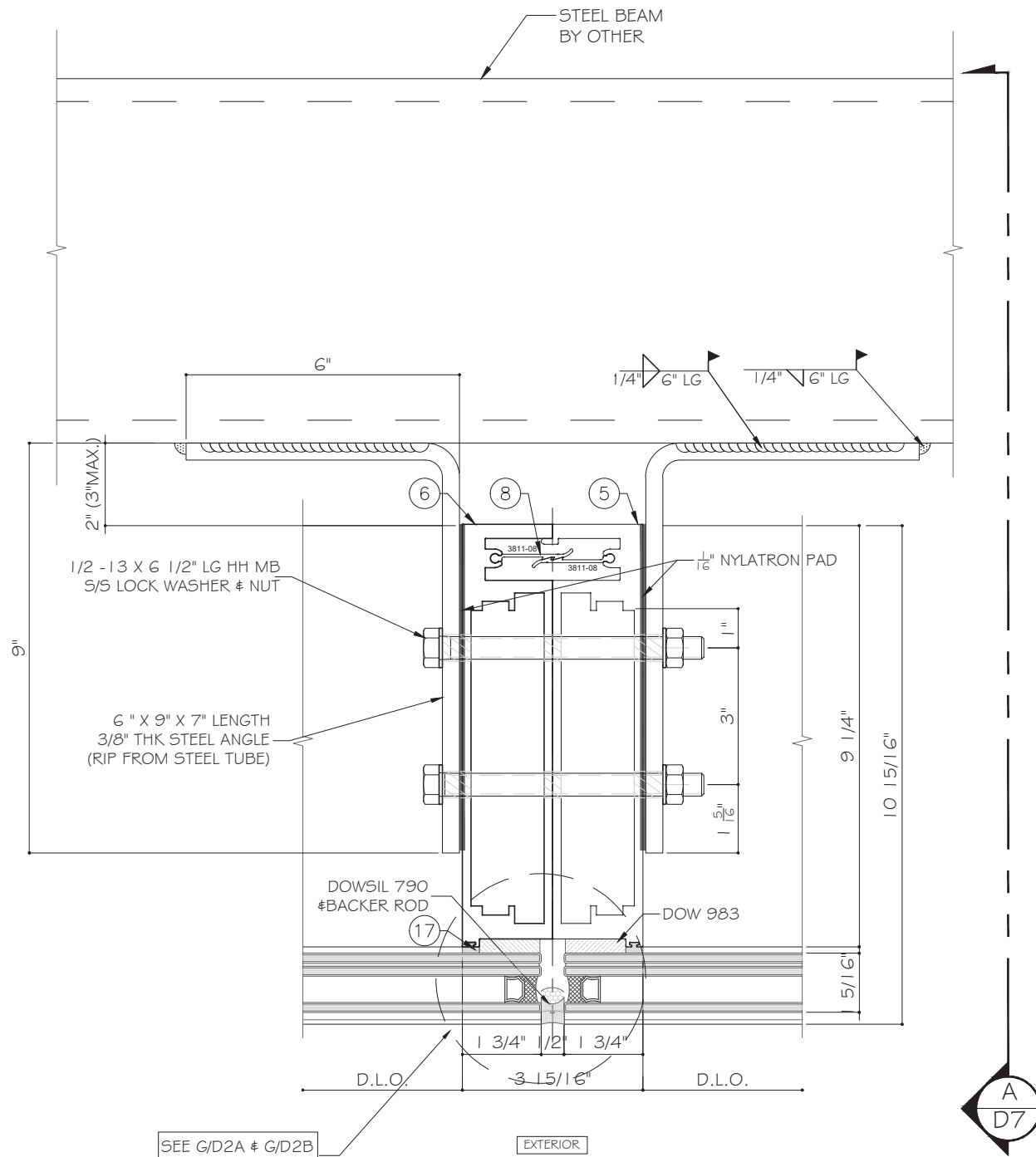
Drawn Date	Scale
09.01.2026	AS SHOWN
DRAWING NO.	
AD17-25	
D5	
Sheet No.	
26 OF 36	

MCY ENGINEERING, INC.
GLAZING CONSULTANTS



12781 MIRAMAR PKWY. STE. 301 P: 305.588.5224
MIRAMAR, FL 33027

www.MCYEngineering.com MCY@mcyengineering.com

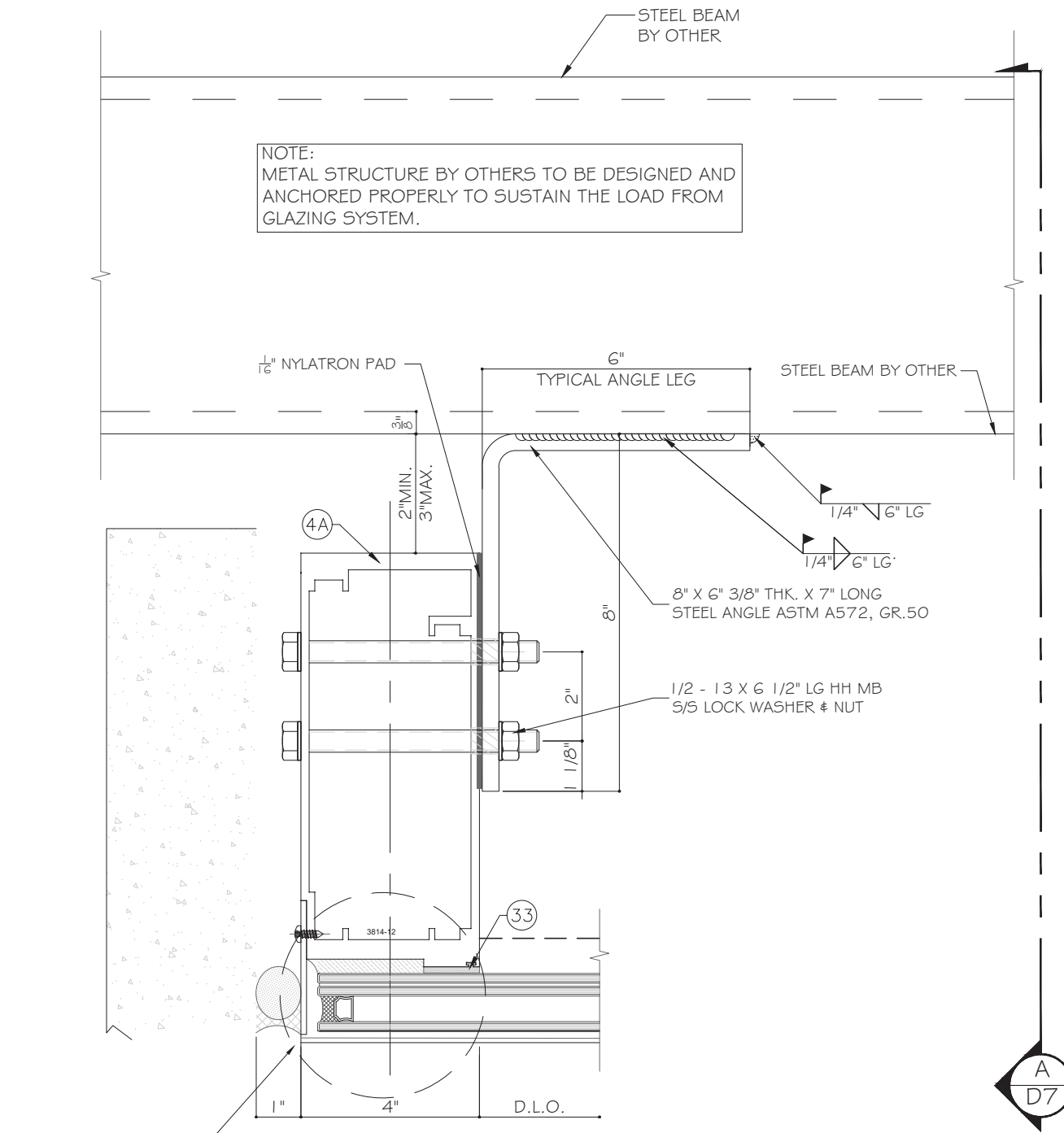


A
D6

TYPICAL MULLION
INTERM. ANCHOR

SEE G/D2A & G/D2B
FOR LAM. OPTIONS

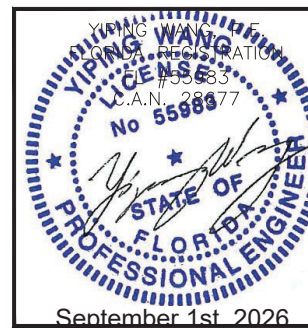
SEE F/D2A & F/D2B
FOR LAM. OPTIONS



B
D6

TYPICAL JAMB
INTERM. ANCHOR

FLORIDA APPROVAL:
FL22219.1

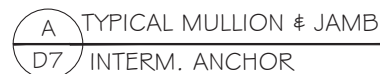


Rev. No.	Date	Drawn By	Description
R4	09.01.2026	James	UPDATE FBC 2026
R3	12.01.2023	James	REVISION FBC 2023

Drawn Date: 09.01.2026 Scale: AS SHOWN

DRAWING NO. AD17-25

Sheet No. 27 OF 36




 CORNER MULLION
 INTERM. ANCHOR



12781 MIRAMAR PKWY, STE. 301 P: 305.588.5224
MIRAMAR, FL 33027
engineering.com MCY@mcysengineering.com

www.motels.com MC1@mcycyentelnet.com

SYSTEM 3814A WINDOW WALL - L.M.I.

CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE HIALEAH, FL 33014

325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1101

[illegible]

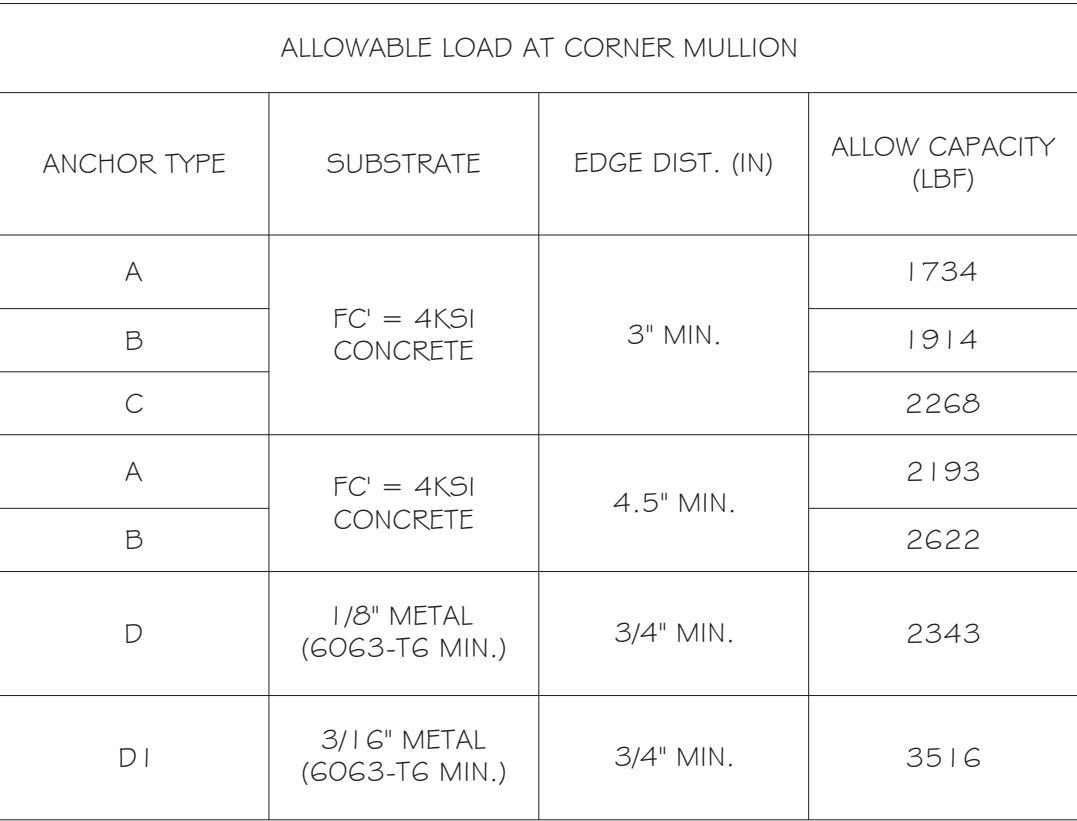
Drawn Date	Scale
09.01.2026	AS SHOWN

DRAWING NO.

AD17-25

07

Sheet No.
OF 36



ALLOWABLE LOAD AT CORNER MULLION			
ANCHOR TYPE	SUBSTRATE	EDGE DIST. (IN)	ALLOW CAPACITY (LBF)
A	FC' = 4KSI CONCRETE	3" MIN.	1734
B			1914
C			2268
A	FC' = 4KSI CONCRETE	4.5" MIN.	2193
B			2622
D	1/8" METAL (6063-T6 MIN.)	3/4" MIN.	2343
DI	3/16" METAL (6063-T6 MIN.)	3/4" MIN.	3516

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

SYSTEM 3814A WINDOW WALL - L.M.I.

CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

[illegible]



SYSTEM 3814A WINDOW WALL - L.M.I.

CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

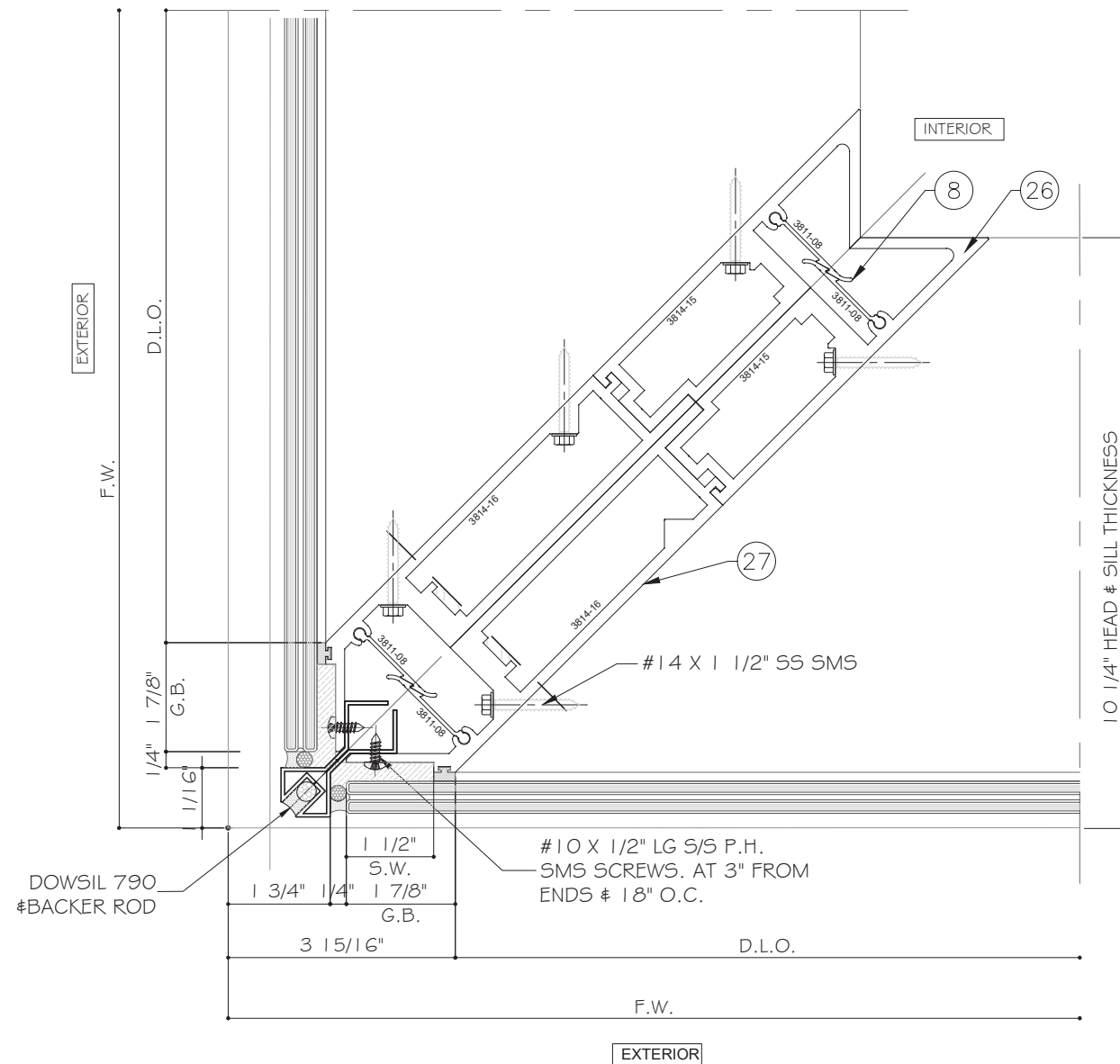
R4	09.01.2026	James	UPDATE FBC 2026	
R3	12.01.2023	James	REVISION FBC 2023	
Rev. No.	Date	Drawn By	Description	

DRAWING NO.
AD17-25

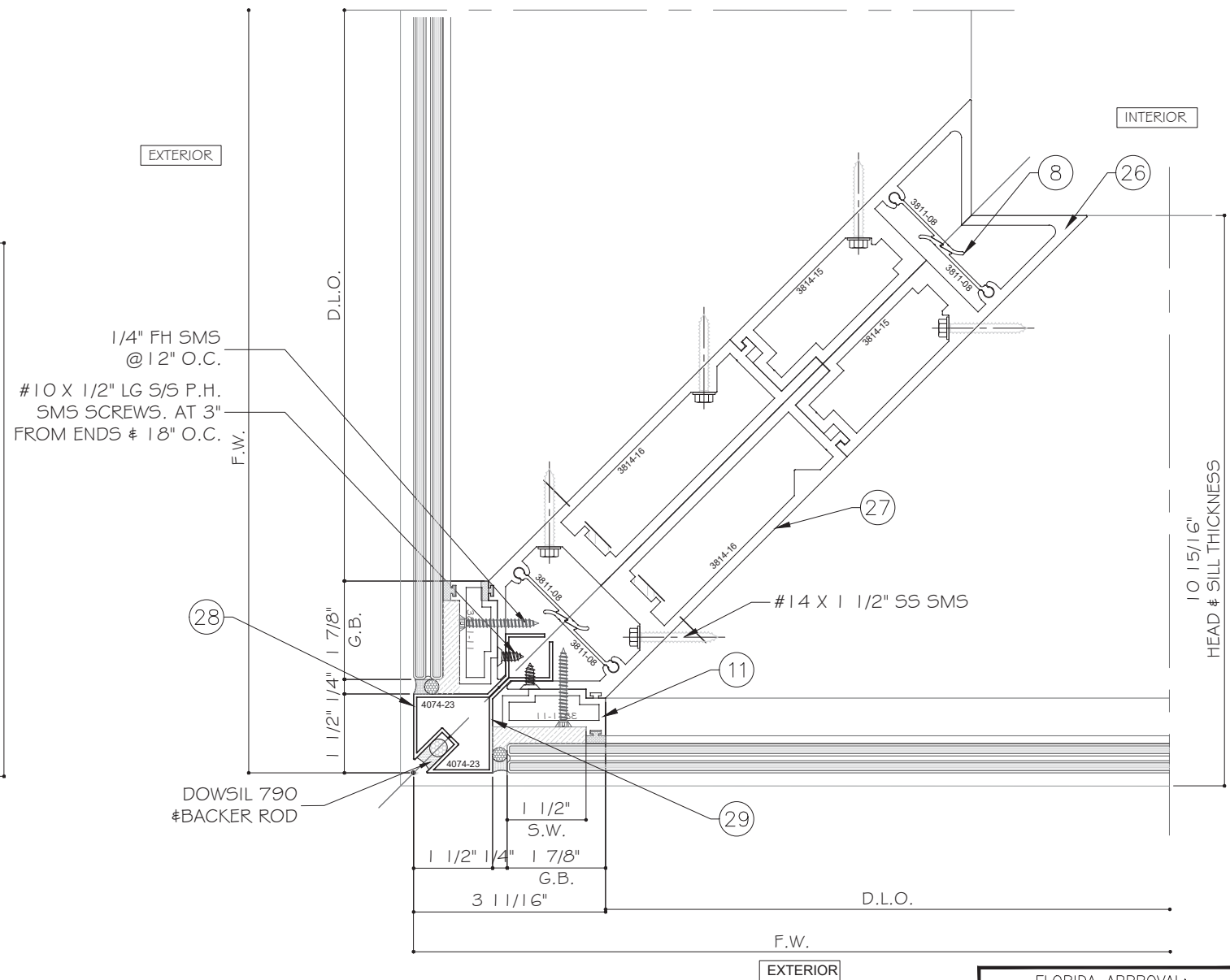
D8A

Sheet No.

30 OF 36

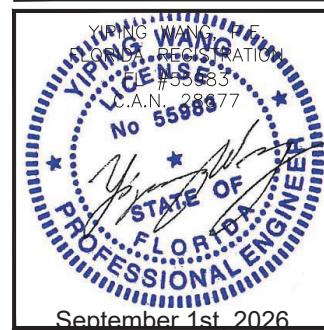


A
D8B
DETAIL



B
D8B
DETAIL
OPTION

FLORIDA APPROVAL:
FL22219.1



SYSTEM 3814A WINDOW WALL - L.M.I.

CONTINENTAL GLASS SYSTEMS, LLC.

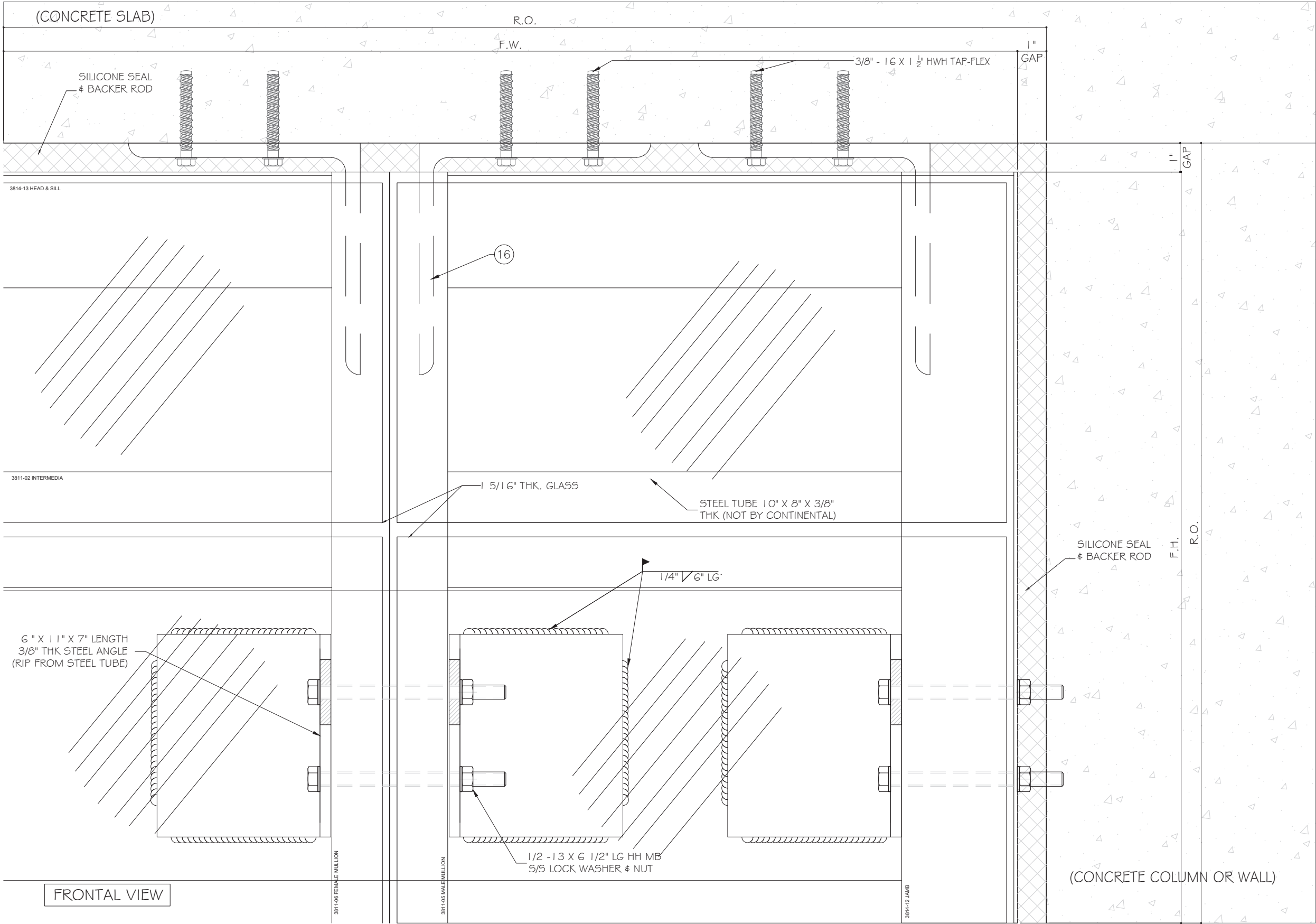
325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

12781 MIRAMAR PKWY. STE. 301 P. 305.588.5224
MIRAMAR, FL 33027

www.MCYEngineering.com MCY@mcycengineering.com

Rev. No.	Date	Drawn By	Description
R4	09.01.2026	James	UPDATE FBC 2026
R3	12.01.2023	James	REVISION FBC 2023
D8B			
AD17-25			
D8B			
31 OF 36			



FLORIDA APPROVAL:
FL22219.1



SYSTEM 3814A WINDOW WALL - L.M.I.
CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

Rev. No.	Date	Drawn By	Description
R4	09.01.2026	James	UPDATE FBC 2026
R3	12.01.2023	James	REVISION FBC 2023

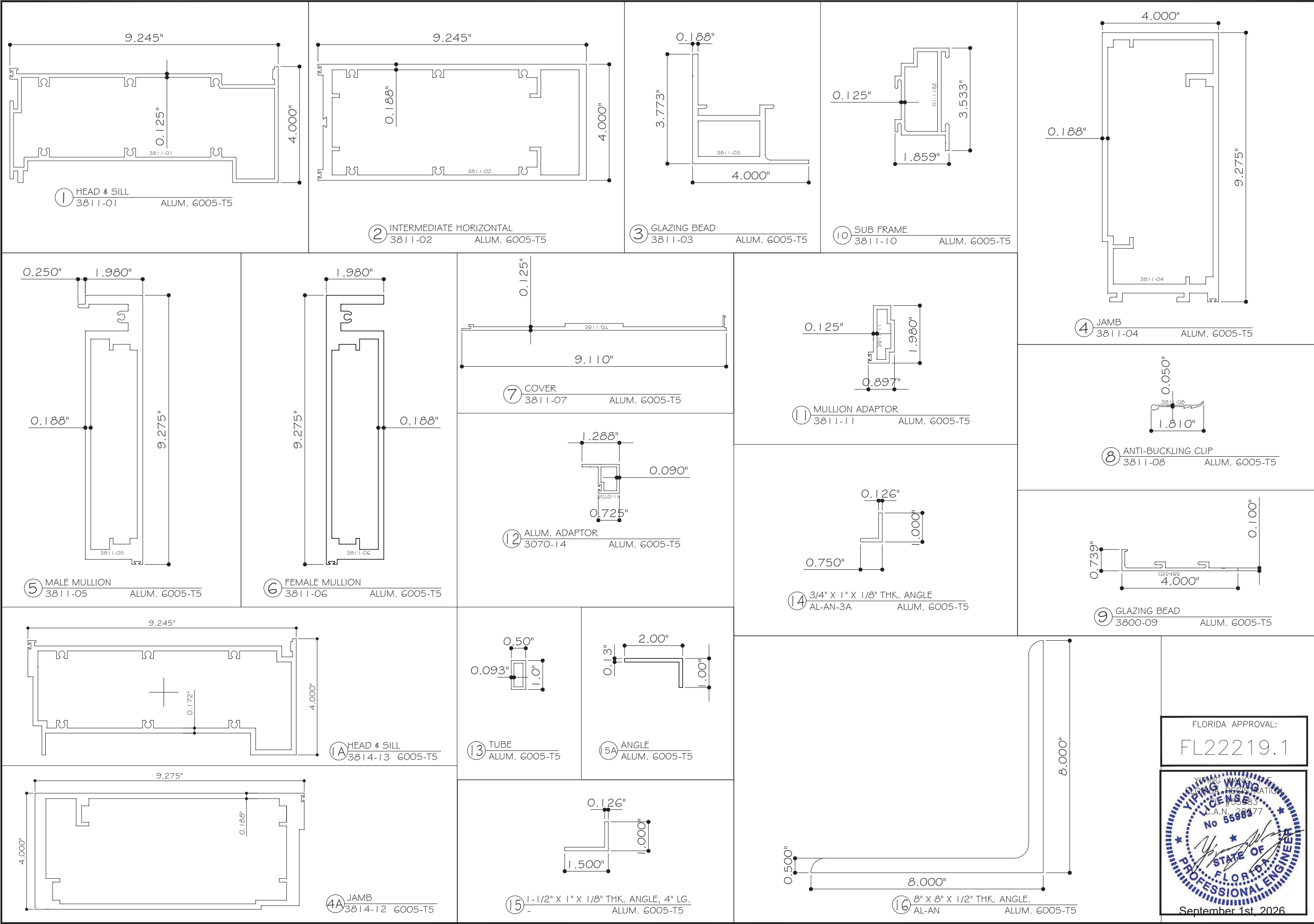
Drawn Date
09.01.2026

Scale
AS SHOWN

DRAWING NO.
AD17-25

Sheet No.
32 OF 36

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



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

SYSTEM 3814A WINDOW WALL - L.M.I.

CONTINENTAL GLASS SYSTEMS, LLC.

325 WEST 74 PLACE, HIALEAH, FL 33014

TEL. (305) 231-1101 FAX. (305) 231-1103

Rev. No.	Date	Drawn By	Description
R4	09.01.2026	James	UPDATE FBC 2026
R3	12.01.2023	James	REVISION FBC 2023

Drawn Date

09.01.2026

Scale

AS SHOWN

AD17-25

PARTS

Sheet No.

33 OF 36

FLORIDA APPROVAL:

FL22219.1

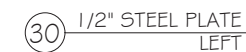
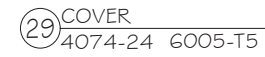
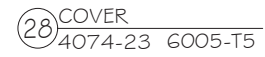
YIPING WANG

REGISTERED PROFESSIONAL ENGINEER

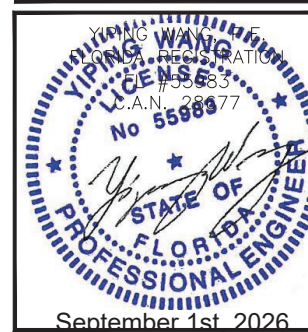
No 55988

STATE OF FLORIDA

September 1st, 2026



FLORIDA APPROVAL:
FL22219.1



R4	09.01.2026	JAMES			UPDATE FBC 2026
R3	12.01.2023	JAMES			REVISION FBC 2023
Rev. No.	Date	Drawn By	Description		

Drawn Date	Scale
09.01.2026	AS SHOWN

DRAFTING NO.

AD17-25

PARTS 2

Sheet No.
34 OF 36

SYSTEM 3814A WINDOW WALL - L.M.I.

CONTINENTAL GLASS SYSTEMS, LLC.

325 WEST 74 PLACE, HIALEAH, FL 33014

TEL. (305) 231-1101 FAX. (305) 231-1103



MCY ENGINEERING, INC.

GLAZING CONSULTANTS

12781 MIRAMAR PKWY. STE. 301 P: 305.588.5224
MIRAMAR, FL 33027

www.MCYEngineering.com

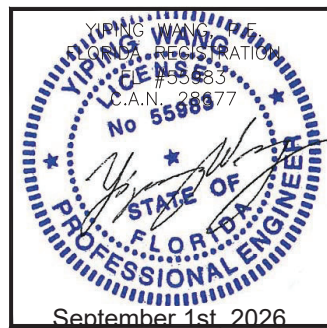
MCY@mcvenengineering.com

BILL OF MATERIALS

BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	MANUF. / REMARKS
1	3811-01	HEAD & SILL	ALUMINUM, 6005-T5	BONNELL
1A	3814-13	HEAD & SILL	ALUMINUM, 6005-T5	BONNELL
2	3811-02	INTERMEDIATE HORIZONTAL	ALUMINUM, 6005-T5	BONNELL
3	3811-03	GLAZING BEAD	ALUMINUM, 6005-T5	BONNELL
4	3811-04	JAMB	ALUMINUM, 6005-T5	BONNELL
4A	3814-12	JAMB	ALUMINUM, 6005-T5	BONNELL
5	3811-05	MALE MULLION	ALUMINUM, 6005-T5	BONNELL
6	3811-06	FEMALE MULLION	ALUMINUM, 6005-T5	BONNELL
7	3811-07	COVER	ALUMINUM, 6005-T5	BONNELL
8	3811-08	ANTI-BUCKLING CLIP	ALUMINUM, 6005-T5	BONNELL
9	3800-09	GLAZING BEAD	ALUMINUM, 6005-T5	BONNELL
10	3811-10	SUB FRAME	ALUMINUM, 6005-T5	BONNELL
11	3811-11	MULLION ADAPTOR	ALUMINUM, 6005-T5	BONNELL
12	3070-14	ALUM. ADAPTOR	ALUMINUM, 6005-T5	BONNELL
13	AL-TUBE	1" X 1/2" X 1/16" THK. ALUM. TUBE	ALUMINUM, 6005-T5	-
14	AL-AN-3A	3/4" X 1" X 1/8" THK. ALUM. ANGLE	ALUMINUM, 6005-T5	-
15	AL-AN	1-1/2" X 1" X 1/8" THK. ALUM. ANGLE	ALUMINUM, 6005-T5	-
15A	AL-AN	1" X 2" X 1/8" THK. ALUM. ANGLE	ALUMINUM, 6005-T5	-
16	AL-AN	8" X 8" X 1/2" ALUM. ANGLE	ALUMINUM, 6005-T5	-
17	9333	GLAZING GASKET	SILICONE	-
18	DC983 OR DC995	STRUCTURAL SEALANT DC983 OR DC995	SILICONE	DOWSIL
19	-	GLAZING SPACER	ALUMINUM	PROFILGLASS
21	-	3" X 3" X 1/4" X 7" LG. CHANNEL	STEEL, A36 MIN.	-
22	-	SETTING BLOCK - 1.25" X 0.25" X 4" - 70 DURO	SILICONE	-
23	-	INTERIOR GASKET (REF 3800-01)	70 DURO BLACK SILICONE	-
24	-	SETTING BLOCK (2) 1/4" x 1 1/4" @ 1/4" POINTS FOR INSUL-LAMI. GLASS	85 DUROMETER	-
25	-	SETTING BLOCK (2) 1/4" x 1/2" @ 1/4" POINTS FOR LAMI. GLASS	85 DUROMETER	-
26	3814-15	90° INSIDE	ALUMINUM, 6005-T5	-
27	3814-16	90° OUTSIDE	ALUMINUM, 6005-T5	-
28	4074-23	COVER	ALUMINUM, 6005-T5	-
29	4074-24	COVER	ALUMINUM, 6005-T5	-
30		1/2" STEEL PLATE - LEFT	STEEL	-
31		1/2" STEEL PLATE - RIGHT	STEEL	-
32		DOWSIL 790	SILICONE	DOWSIL
33	3800-01	INTERIOR GASKET	70 DURO BLACK SILICONE	-
34		1/2" X 7" STEEL BAR	STEEL A36 MIN.	-
35		1/2" X 6 13/16" STEEL BAR	STEEL A36 MIN.	-

FLORIDA APPROVAL:

FL22219.1



SYSTEM 3814A WINDOW WALL - L.M.I.

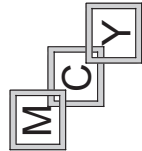
CONTINENTAL GLASS SYSTEMS, LLC.

325 WEST 74 PLACE, HIALEAH, FL 33014

TEL. (305) 231-1101 FAX. (305) 231-1103

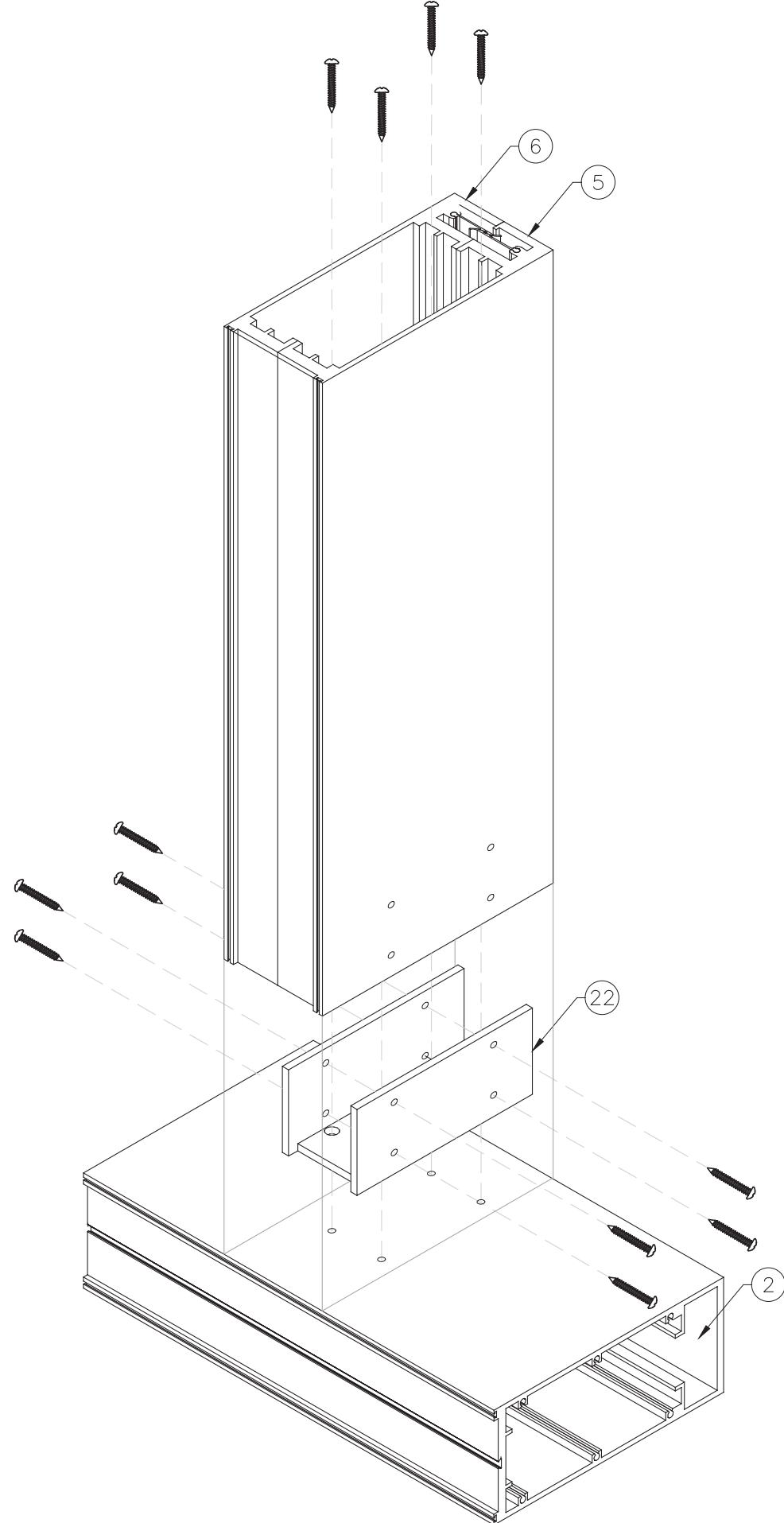
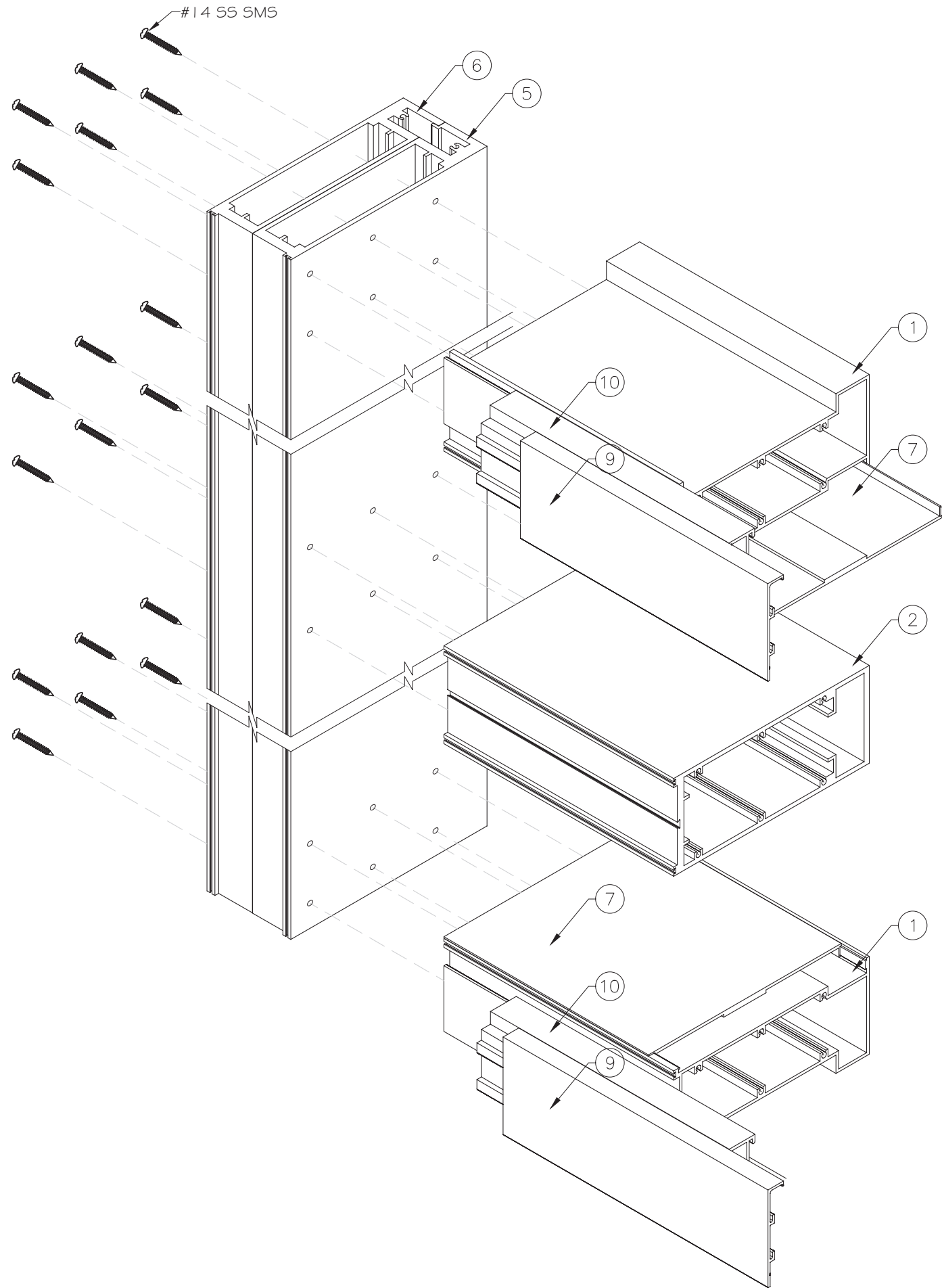
MCY ENGINEERING, INC.

GLAZING CONSULTANTS

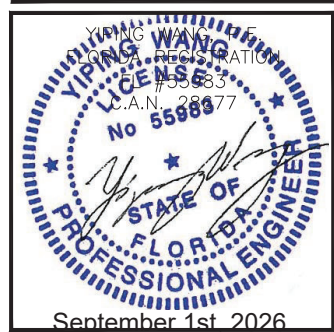


12781 MIRAMAR PKWY STE. 301 P: 305.588.5224
MIRAMAR, FL 33027

www.MCYEngineering.com



FLORIDA APPROVAL:
FL22219.1



SYSTEM 3814A WINDOW WALL - L.M.I.
CONTINENTAL GLASS SYSTEMS, LLC.
325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

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

Rev. No.	Date	Drawn By	Description
R4	09.01.2026	James	UPDATE FBC 2026
R3	12.01.2023	James	REVISION FBC 2023
DRAFTER: JAMES W. WANG			
Scale: AS SHOWN			
DRAWING NO. AD17-25			
ISO			
Sheet No. 36 OF 36			