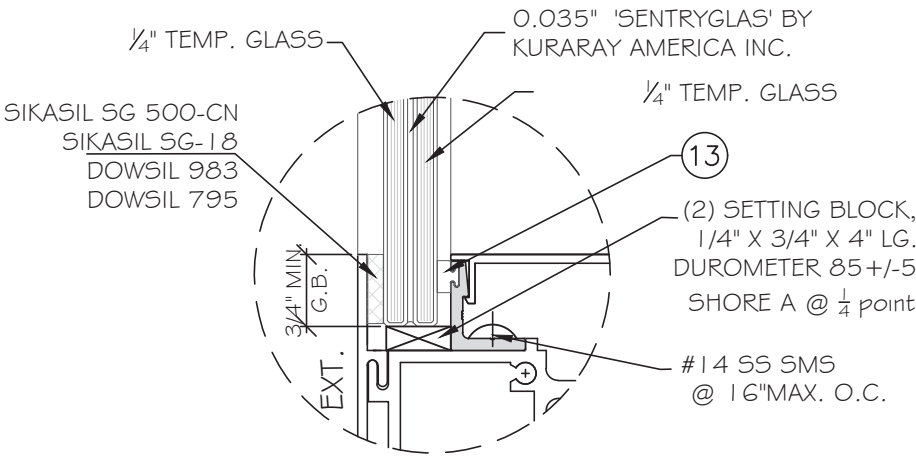
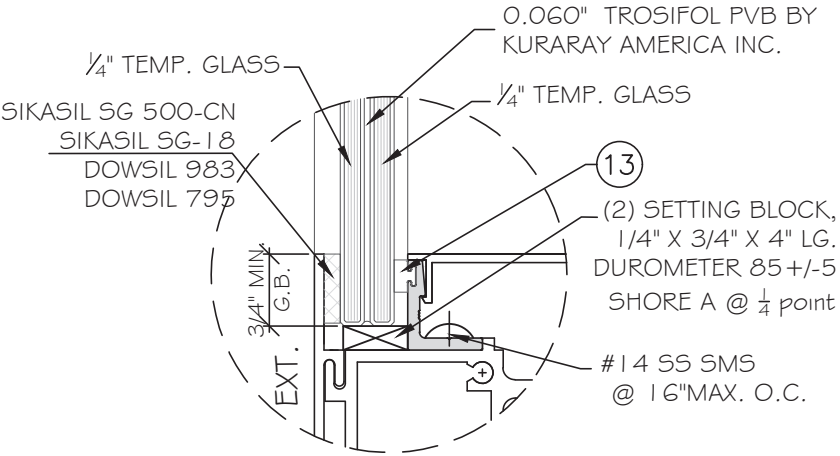


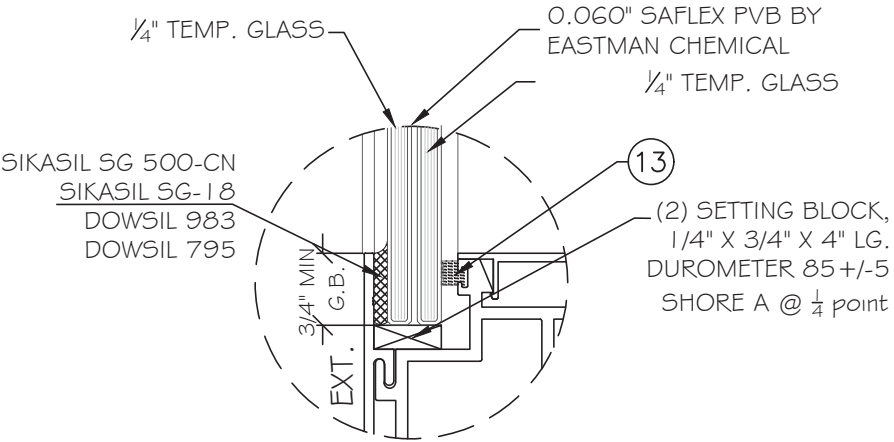
CONTINENTAL GLASS SYSTEMS, LLC.
SERIES 3800 ALUMINUM WINDOW WALL
SMALL MISSILE IMPACT



GLASS TYPE 'G1'
9/16" NOMINAL OVERALL



GLASS TYPE 'G2'
9/16" NOMINAL OVERALL



GLASS TYPE 'G3'
9/16" NOMINAL OVERALL

GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 8TH EDITION FLORIDA BUILDING CODE (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOW WALL RATED FOR SMALL MISSILE IMPACT. IMPACT RESISTANT SHUTTERS ARE NOT REQUIRED. FOR INSTALLATIONS ABOVE 30 FT OF GRADE.
- 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 FLORIDA BUILDING CODE (2023) SECTION AS APPLICABLE.
- METAL STRUCTURES BY OTHERS TO BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.
- 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.
- ALL FRAME CORNERS, JOINTS, MULLION SEAMS AND PERIMETER GLAZING BEAD TO FRAME INSTALLATION FASTENERS SEALED WITH SILICON SEALANT.
- 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.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

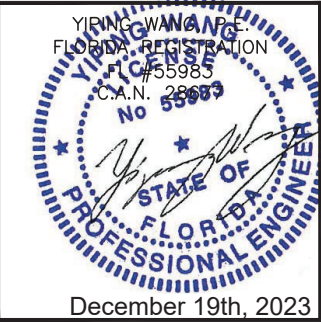
- STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-22 STANDARD.
- STEP 2: SEE TYPICAL ELEVATION ON SHEET E1
- STEP 3: SEE CHART 1 ON SHEET G1 FOR APPROVED GLASS SIZE AND DESIGN LOAD CAPACITIES BASED ON E1300. SEE CHART 2 ON G2 FOR SILICONE CAPACITY OF SSG MULLION, WHICHEVER IS LOWER GOVERNS THE CAPACITY.
- STEP 4: CHECK MULLION AND JAMB CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET M1 TO M3. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 5: SELECT ANCHOR TYPE AND CHECK ANCHOR CAPACITY ON SHEET A1 & A2. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD. FOR ANCHORED JAMB OPTION, ANCHOR OPTION & SPACING SEE SHEET D7.
- STEP 6: THE LOWEST VALUE RESULTING FROM STEPS 2, 3, 4 AND 5 SHALL APPLY TO ENTIRE SYSTEM.

NOTE:

GLASS COMPLIES WITH ASTM E1300-16
(3 SEC. GUSTS).

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
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	SHEET NUMBER

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.	
B-	CONTRACTOR TO BE RESPONSIBLE FOR THE SELECTION, PURCHASE AND INSTALLATION OF THIS PRODUCT BASED ON THIS PRODUCT EVALUATION PROVIDED HE/SHE DOES NOT DEVIATE FROM THE CONDITIONS DETAILED ON THIS DOCUMENT.
C-	THIS PRODUCT EVALUATION DOCUMENT WILL BE CONSIDERED INVALID IF ALTERED BY ANY MEANS.
D-	SITE SPECIFIC PROJECTS SHALL BE PREPARED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD (E.O.R.) FOR THE PROJECT AND WHO WILL BE RESPONSIBLE FOR THE PROPER USE OF THE P.E.D.
E-	THIS P.E.D. SHALL BEAR THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT.

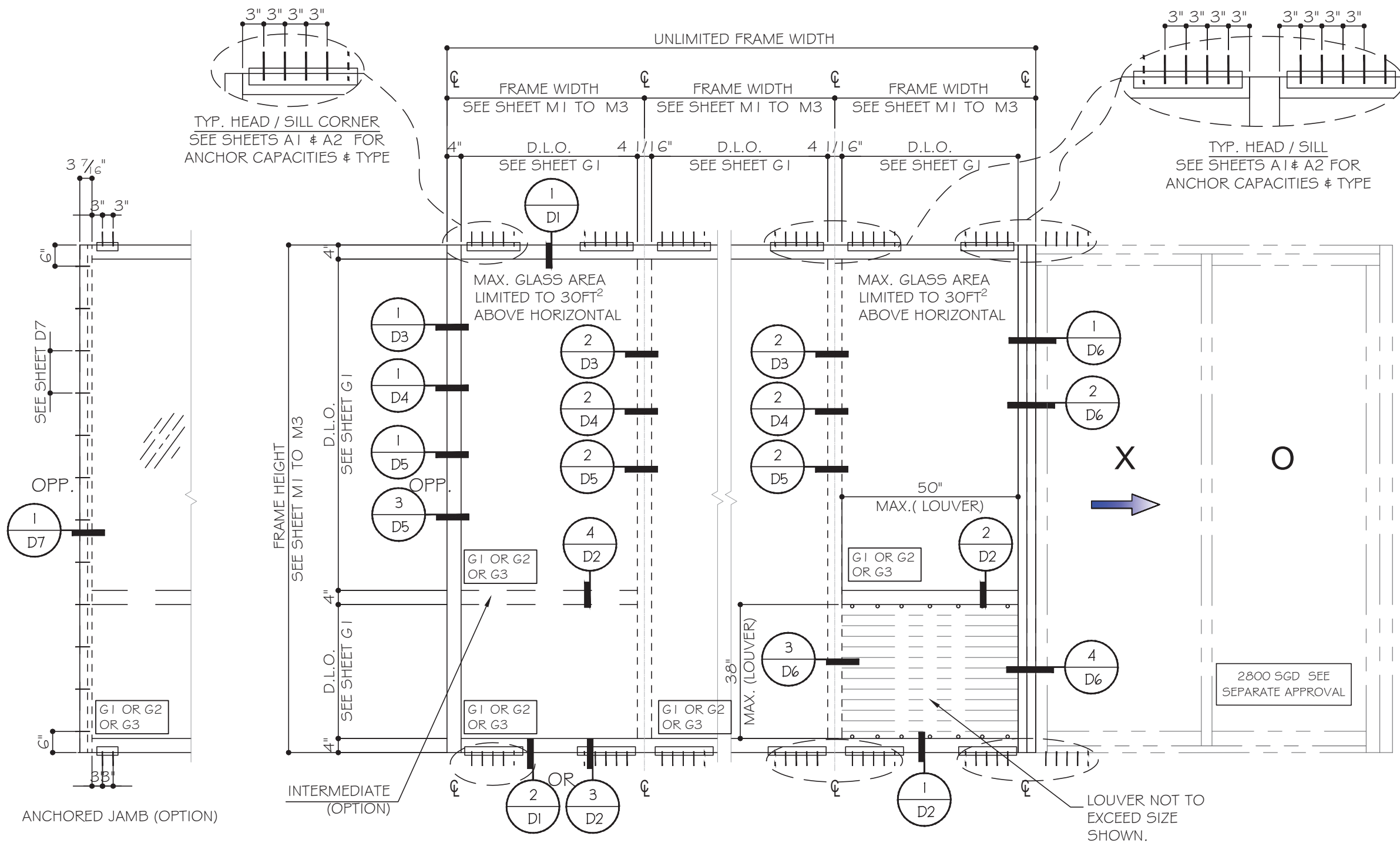


MCY ENGINEERING, INC.
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MIAMI, FL 33027
P: 305.271.0117
www.MCYEngineering.com
MCY@MCYENGINEERING.COM

SYSTEM 3800 WINDOW WALL - SMI

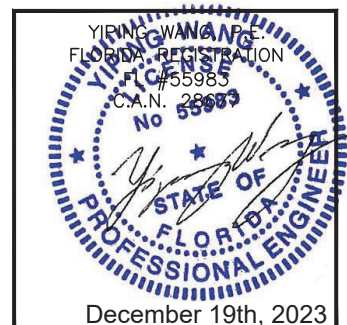
CONTINENTAL GLASS SYSTEMS, INC.
325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

Drawn Date	12.19.2023	Scale	AS SHOWN
FL#	27670.2	DRAWING NO.	AD22-26
COVER		Sheet No.	1 OF 21



TYPICAL EXTERIOR ELEVATION

SEE CHARTS ON SHEETS M1 TO M3 FOR
REINFORCED MULLION & JAMB OPTIONS



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CONTINENTAL GLASS SYSTEMS, INC.

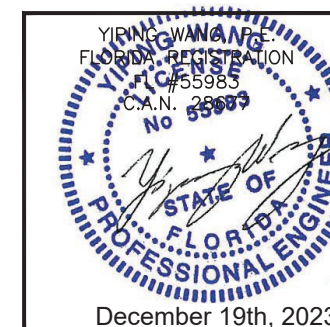
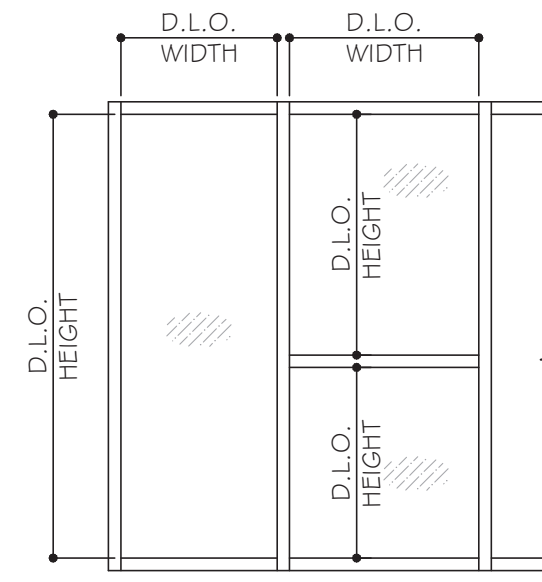
325 WEST 74 PLACE, HIALEAH, FL 33014
TEL. (305) 231-1101 FAX. (305) 231-1103

Rev. No.	Date	Drawn By	Description
R2	12.19.2023	JAMES	UPDATE FBC 2023
Drawn Date	12.19.2023	Scale	AS SHOWN
Drawing No.	FL#27670.2		
Sheet No.	AD22-26		
	E1		
	2 OF 21		

CHART 1: GLASS CAPACITIES

GLASS CAPACITY AS PER ASTM E 1300-16				
D.L.O. WIDTH	D.L.O. HEIGHT	GLASS TYPE		
		G 1	G2	G3
(IN)	(IN)	(+/-) PSF	(+/-) PSF	(+/-) PSF
50	88	180	190	190
56		180	190	190
62		180	190	190
68		180	190	190
50	94	180	190	190
56		180	190	190
62		180	190	190
68		150	190	190
50	100	180	190	190
56		180	190	190
62		180	190	190
68		150	190	190
44	106	180	190	190
50		180	190	190
56		180	190	190
62		150	190	190
68		150	150	-
38	112	180	190	190
44		180	190	190
50		180	190	190
56		150	190	190
62		150	150	-
68		150	150	-
38	118	180	190	190
44		180	190	190
50		180	190	190
56		150	190	190
62		150	150	-

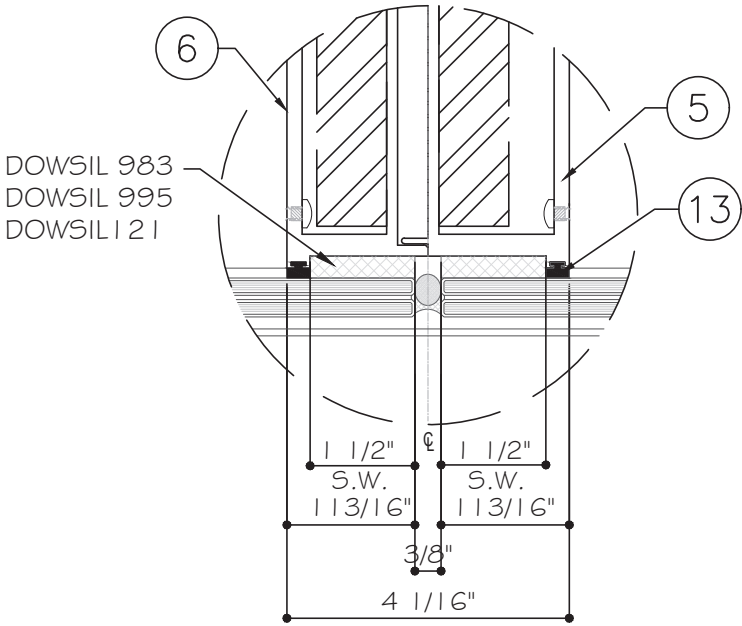
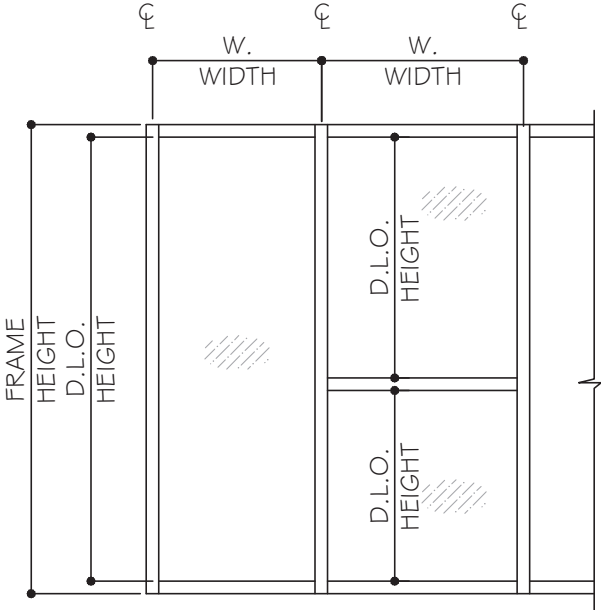
GLASS CAPACITY AS PER ASTM E 1300-16				
D.L.O. WIDTH	D.L.O. HEIGHT	GLASS TYPE		
		G 1	G2	G3
(IN)	(IN)	(+/-) PSF	(+/-) PSF	(+/-) PSF
38	124	180	190	190
44		180	190	190
50		180	190	190
56		150	150	-
62		150	150	-
32	130	180	190	190
38		180	190	190
44		180	190	190
50		150	190	190
56		150	150	-
32	136	180	190	190
38		180	190	190
44		180	190	190
50		150	190	190
56		150	150	-
26	142	180	190	190
32		180	190	190
38		180	190	190
44		150	190	190
50		150	150	-
54		150	150	-



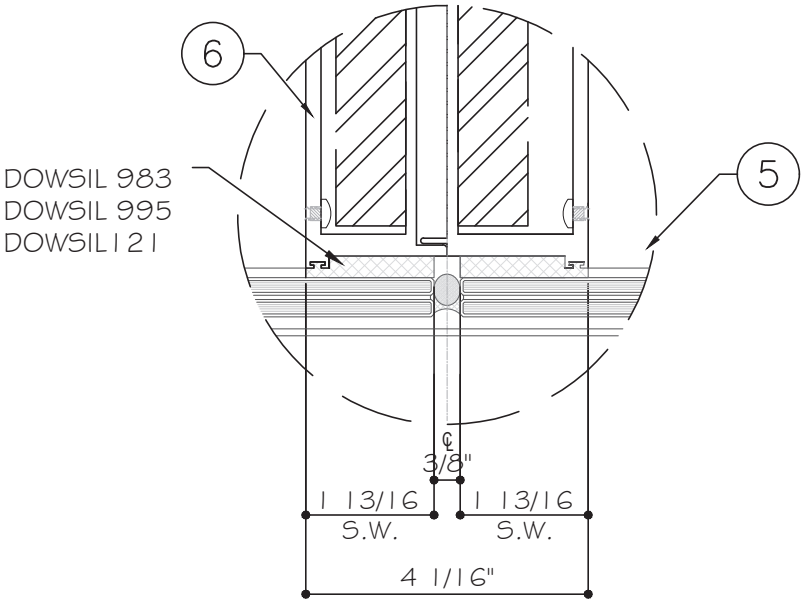
MCY ENGINEERING, INC. GLAZING CONSULTANTS MIRAMAR PARKWAY 301 MIAMI, FL. 33027 P: 305.271.0117 www.MCYEngineering.com MCY@MCYENGINEERING.COM 									
SYSTEM 3800 WINDOW WALL - SMI CONTINENTAL GLASS SYSTEMS, INC. 325 WEST 74 PLACE, HIALEAH, FL 33014 TEL. (305) 231-1101 FAX. (305) 231-1103									
Drawn Date 12.19.2023									
Scale AS SHOWN									
FL#27670.2		R2		12.19.2023		JAMES		UPDATE FBC 2023	
DRAWING NO.		Rev. No.		Date		Drawn By		Description	
AD22-26									
G1									
Sheet No.									
3 OF 21									

CHART 2: SILICONE CAPACITIES

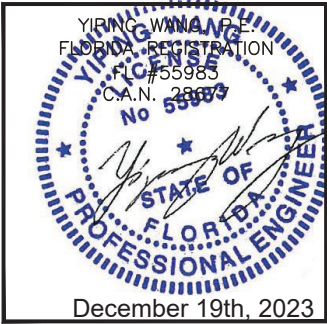
STRUCTURAL SILICONE CAPACITY (PSF)					
W (IN) (C - C)	S.W.	DOWSIL 983 DOWSIL 995		DOWSIL 121	
		1 1/2"	1 13/16"	1 1/2"	1 13/16"
48.0		180.0	190.0	150.0	150.0
50.0		172.8	190.0	150.0	150.0
54.0		160.0	190.0	150.0	150.0
60.0		144.0	173.8	144.0	150.0
66.0		130.9	158.0	130.9	150.0
72.0		120.0	144.8	120.0	144.8



OPTION 1



OPTION 2



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SYSTEM 3800 WINDOW WALL - SMI

CONTINENTAL GLASS SYSTEMS, INC.

325 WEST 74 PLACE, HIALEAH, FL 33014

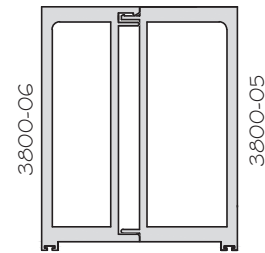
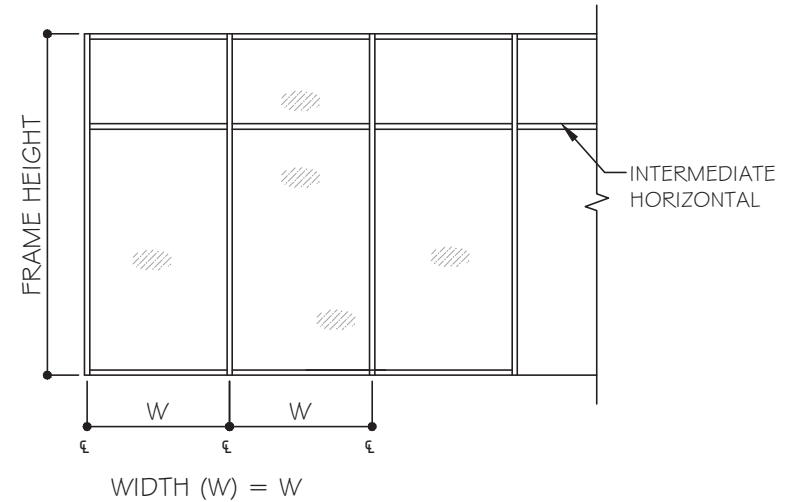
TEL. (305) 231-1101 FAX. (305) 231-1103

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CHART 3: MULLION CAPACITIES

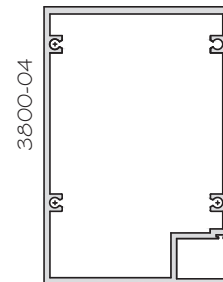
MULLION/ JAMB LOAD CAPACITY (PSF)					
DIMENSIONS		M1	J1	M2	J2
FRAME HEIGHT (INCH)	WIDTH (INCH)	EXT(+) INT (-)	EXT(+) INT (-)	EXT(+) INT (-)	EXT(+) INT (-)
96.0	48.0	180	180	180	180
	54.0	164	180	180	180
	60.0	147	180	180	180
	66.0	134	180	180	180
	72.0	123	180	174	180
102.0	42.0	180	180	180	180
	48.0	173	180	180	180
	54.0	154	180	180	180
	60.0	139	180	180	180
	66.0	126	180	168	180
108.0	42.0	180	180	180	180
	48.0	164	180	180	180
	54.0	145	180	180	180
	60.0	131	180	165	180
114.0	36.0	180	180	180	180
	42.0	170	180	180	180
	48.0	148	180	180	180
	54.0	132	180	164	180
	60.0	119	180	148	180
120.0	30.0	180	180	180	180
	36.0	178	180	180	180
	42.0	153	180	180	180
	48.0	134	180	167	180
	54.0	119	180	148	180
	60.0	107	172	134	180
126.0	30.0	180	180	180	180
	36.0	154	180	180	180
	42.0	132	180	165	180
	48.0	116	180	144	180
	54.0	103	165	128	180
132.0	30.0	161	180	180	180
	36.0	134	180	167	180
	42.0	115	180	143	180
	48.0	101	162	125	180
138.0	30.0	141	180	176	180
	36.0	117	180	146	180
	42.0	101	162	125	180
	48.0	88	142	110	168

MULLION/ JAMB LOAD CAPACITY (PSF)					
DIMENSIONS		M1	J1	M2	J2
FRAME HEIGHT (INCH)	WIDTH (INCH)	EXT(+) INT (-)	EXT(+) INT (-)	EXT(+) INT (-)	EXT(+) INT (-)
144.0	30.0	124	180	155	180
	36.0	103	166	129	180
	42.0	89	143	110	177
	48.0	77	125	97	155
150.0	30.0	110	177	137	180
	36.0	91	147	114	180
	42.0	78	126	98	163



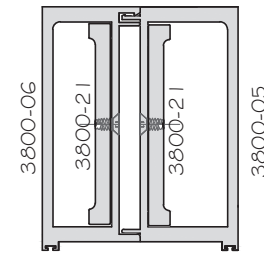
MULLION 'M I'

	$\sum x^2$	$\sum x^3$
3800-06	8.5908	3.3333
3800-05	9.4811	3.6917
TOTAL	18.0719	7.0120



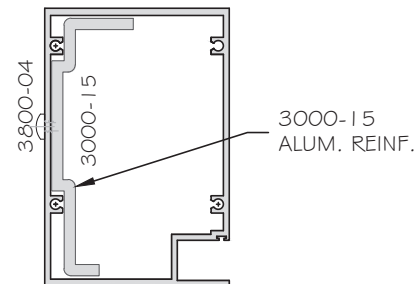
JAMB 'J I'

	$I_x \text{ IN}^4$	$S_x \text{ IN}^3$
3800-04	14.5466	4.7275



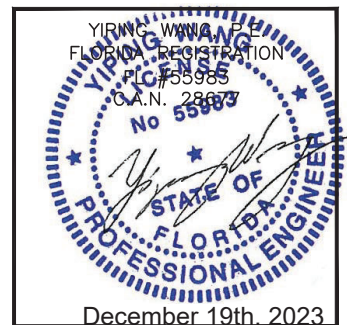
MULLION 'M2'
WITH ALUM. REINF.

	$\sum x \ln^4$	$\sum x \ln^3$
3800-06	8.5908	3.3333
3800-05	9.4811	3.6917
(2)3800-21	4.4686	2.1366
TOTAL	22.5405	8.7458

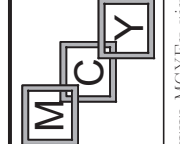


JAMB 'J2'
WITH ALUM. REINF.

	$\sum x^4$	$\sum x^3$
3800-04	14.5466	4.7275
3000-15	6.9474	2.2366
TOTAL	21.4940	6.9197



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[illegible]

Drawn Date	Scale
13.10.2023	AS SHOWN

FL#27670.2

DRAWING NO.

AD22-26

M1

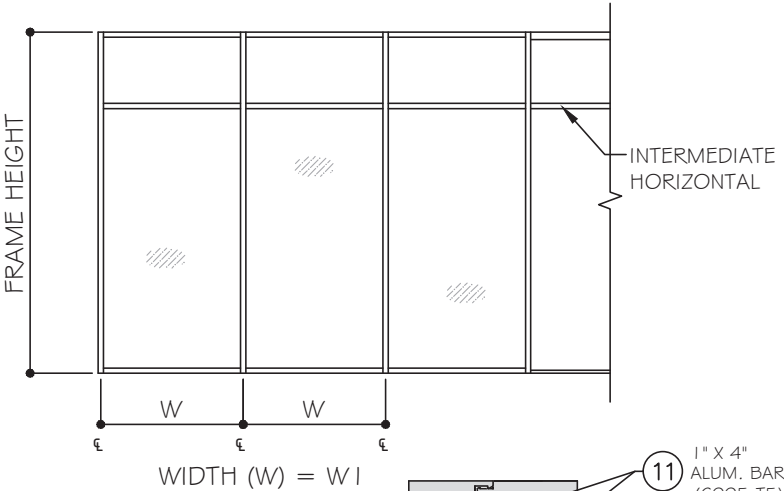
Sheet No.
5 OF 21

CHART 4: MULLION CAPACITIES

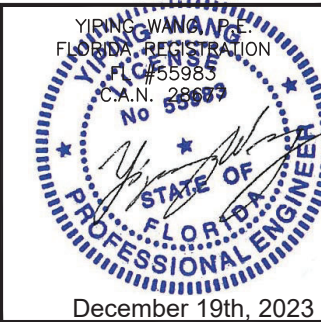
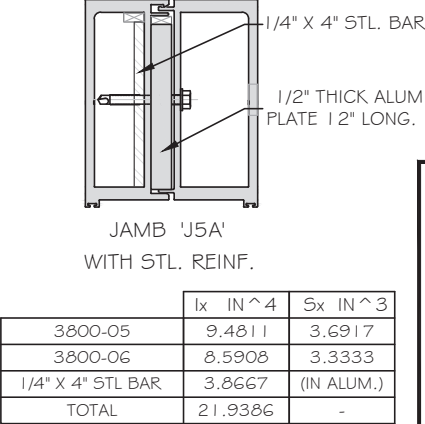
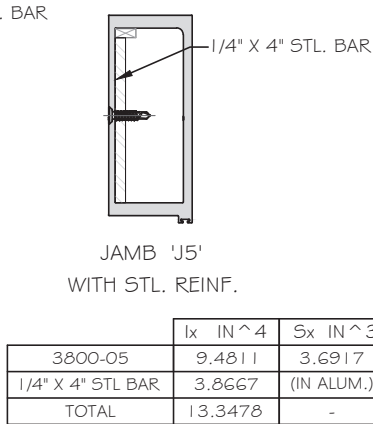
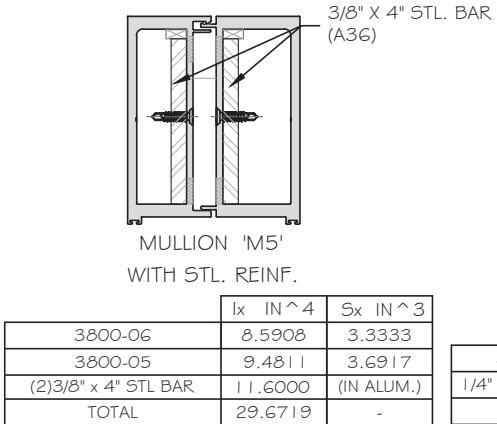
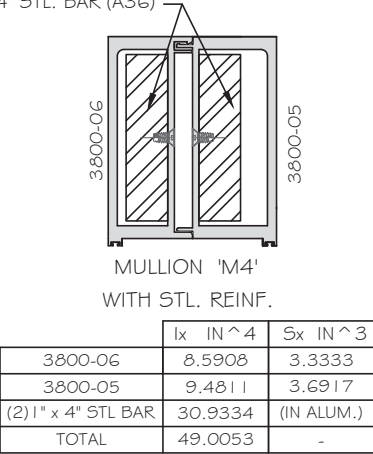
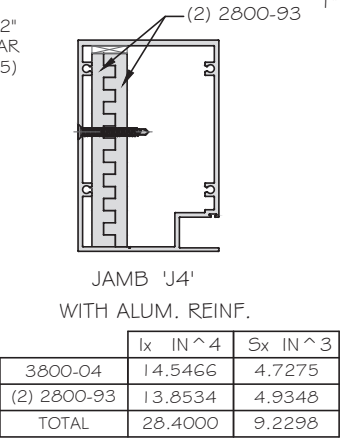
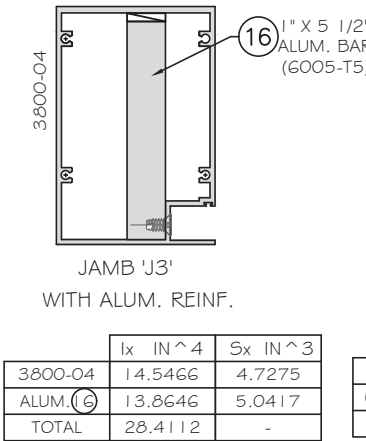
MULLION/ JAMB LOAD CAPACITY (PSF)					
DIMENSIONS		M3		J3	
FRAME HEIGHT (INCH)	FRAME WIDTH (INCH)	EXT(+)	INT(-)	EXT(+)	INT(-)
102.0	60	180	190	180	190
	66	180	180	180	190
	72	140	164	140	190
108.0	54	180	190	180	190
	60	180	180	180	190
	66	140	159	180	190
	72	140	146	140	190
114.0	48	180	190	180	190
	54	180	180	180	190
	60	180	180	180	190
	66	140	143	140	190
120.0	42	180	190	180	190
	48	180	180	180	190
	54	180	180	180	190
	60	170	170	180	190
126.0	36	180	190	180	190
	42	180	184	180	190
	48	180	180	180	190
	54	163	163	180	190
132.0	60	129	129	140	190
	36	180	190	180	190
	42	180	180	180	190
	48	160	160	165	190
138.0	54	130	130	140	190
	30	180	190	180	190
	36	180	180	180	190
	42	160	160	180	190
144.0	48	140	140	170	190
	54	119	119	140	190
	30	180	190	180	190
	36	164	180	180	190
150.0	42	141	141	179	190
	48	123	123	156	190
	54	110	110	140	190
	30	174	174	180	190
	36	145	145	180	190
	42	125	125	165	190
	48	109	109	140	190

MULLION/ JAMB LOAD CAPACITY (PSF)					
DIMENSIONS		M4	J4	M5	J5/J5A
FRAME HEIGHT (INCH)	FRAME WIDTH (INCH)	EXT(+) INT (-)	EXT(+) INT (-)	EXT(+) INT (-)	EXT(+) INT (-)
102.0	60	180	180	89	89
	66	180	180	89	89
	72	150	150	89	89
108.0	60	180	180	89	89
	66	165	180	89	89
108.0	72	150	150	89	89
114.0	48	180	180	89	89
	54	180	180	89	89
	60	180	180	89	89
	66	150	150	89	89
	72	150	150	89	89
120.0	48	180	180	89	89
	54	180	180	89	89
	60	178	180	89	89
	66	150	150	89	89
	72	150	150	89	89
126.0	42	180	180	89	89
	48	180	180	89	89
	54	180	180	89	89
	60	150	150	89	89
	66	150	150	89	89
132.0	42	180	180	89	89
	48	180	180	89	89
	54	163	165	89	89
	60	150	150	89	89
	66	150	150	89	89
138.0	36	180	180	89	89
	42	180	180	89	89
	48	168	170	89	89
	54	150	150	89	89
	60	150	150	89	89
144.0	30	180	180	89	89
	36	180	180	89	89
	42	177	179	89	89
	48	155	156	89	89
	54	150	150	89	89
144.0	60	150	150	88	89

MULLION/ JAMB LOAD CAPACITY (PSF)					
DIMENSIONS		M4	J4	M5	J5/J5A
FRAME HEIGHT (INCH)	FRAME WIDTH (INCH)	EXT(+) INT (-)	EXT(+) INT (-)	EXT(+) INT (-)	EXT(+) INT (-)
147.625	30	180	180	89	89
	36	180	180	89	89
	42	167	169	89	89
	48	147	150	89	89
	54	150	150	89	89
	60	150	150	83	84
150.0	30	180	180	89	89
	36	180	180	89	89
	42	163	165	89	89
	48	150	150	89	89
	54	150	150	89	89
	60	148	150	-	-



	Ix IN^4	Sx IN^3
3800-06	8.5908	3.3333
3800-05	9.4811	3.6917
(2) 1" x 4" ALUM. BAR	10.6667	5.3334
TOTAL	28.7385	11.1506



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SYSTEM 3800 WINDOW WALL - SMI

Rev. No.

12/19/2023

R2

Drawn By

JAMES

Date

12/19/2023

Update

FBC 2023

Description

Drawn Date

12.19.2023

Scale

AS SHOWN

DRAWING NO.

FL#27670.2

AD22-26

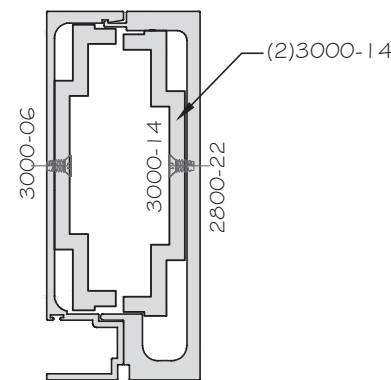
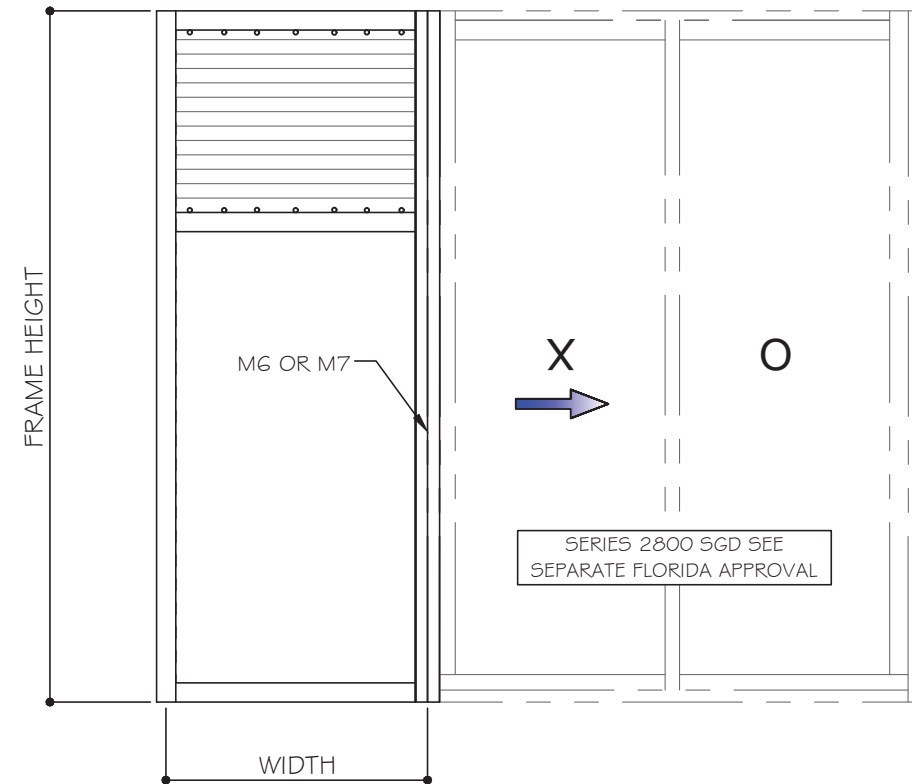
M2

Sheet No.

6 OF 21

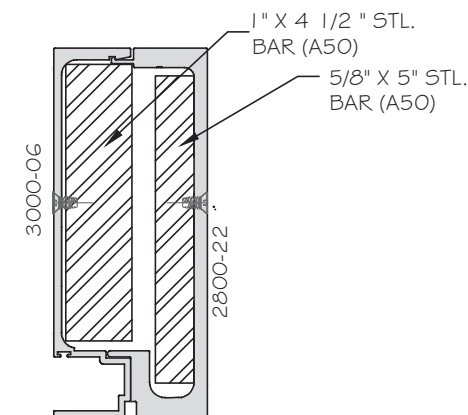
CHART 5: WW -2800SGD MULLION CAPACITIES

MULLION/ JAMB LOAD CAPACITY (PSF) W/ OR W/O HORIZONTAL					
NOMINAL DIMS. (IN)		M6		M7	
WIDTH	FRAME HEIGHT	EXT.(+)	INT.(-)	EXT.(+)	INT.(-)
54	108	140	172	140	190
60		140	153	140	190
66		138	138	140	190
72		125	125	140	190
48	114	140	177	140	190
54		140	155	140	190
60		137	137	140	190
66		124	124	140	190
42	120	140	160	140	190
48		140	140	140	190
54		124	124	140	190
60		112	112	140	190
42	126	140	169	140	190
48		140	145	140	190
54		127	127	140	190
60		113	113	140	190
36	132	140	154	140	190
42		132	132	140	190
48		115	115	140	190
54		103	103	140	190
36	138	140	141	140	190
42		121	121	140	190
48		106	106	140	190
54		94	94	140	190
36	144	129	129	140	190
42		111	111	140	190
48		97	97	140	190
52		90	90	140	190
36	150	114	114	140	190
42		98	98	140	190
48		86	86	140	190



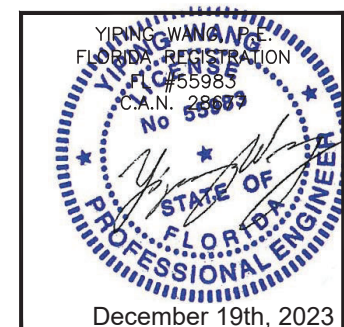
SGD-FX MULLION 'M6'
WITH ALUM. REINF.

	$\sum x$	$\sum x^2$
2800-02	10.5047	3.2218
3000-06	5.3125	1.7132
(2) 3000-14	6.7988	2.9191
TOTAL	22.6160	6.9364



SGD-FX MULLION 'M7'
WITH STL. REINF.

	IX IN ^ 4	SX IN ^ 3
2800-02	10.5047	3.2218
3000-06	5.3125	1.7132
1" X 4 1/2" STL. BAR	18.8802	(IN ALUM.)
5/8" X 5" STL. BAR	22.0220	(IN ALUM.)
TOTAL	56.7194	-



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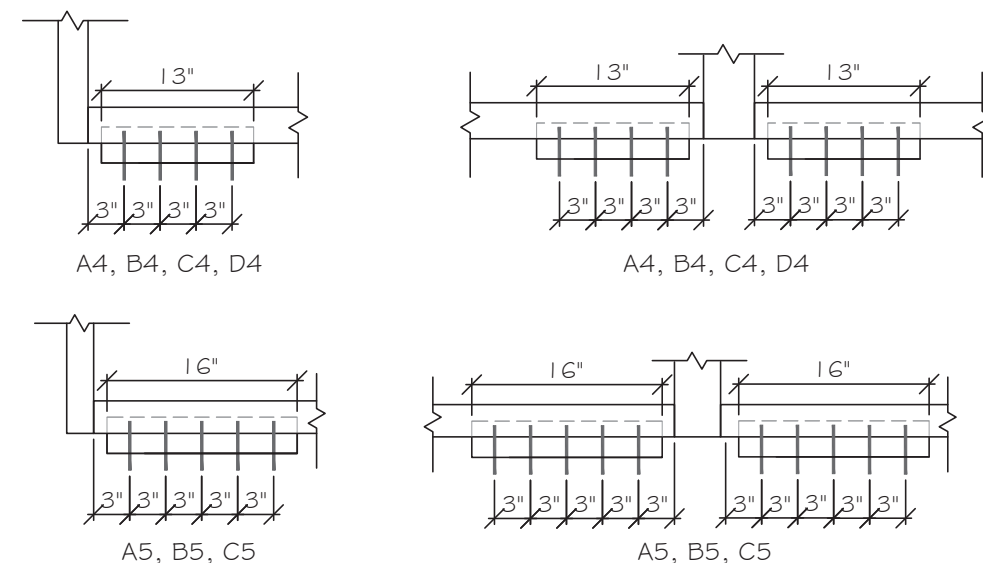
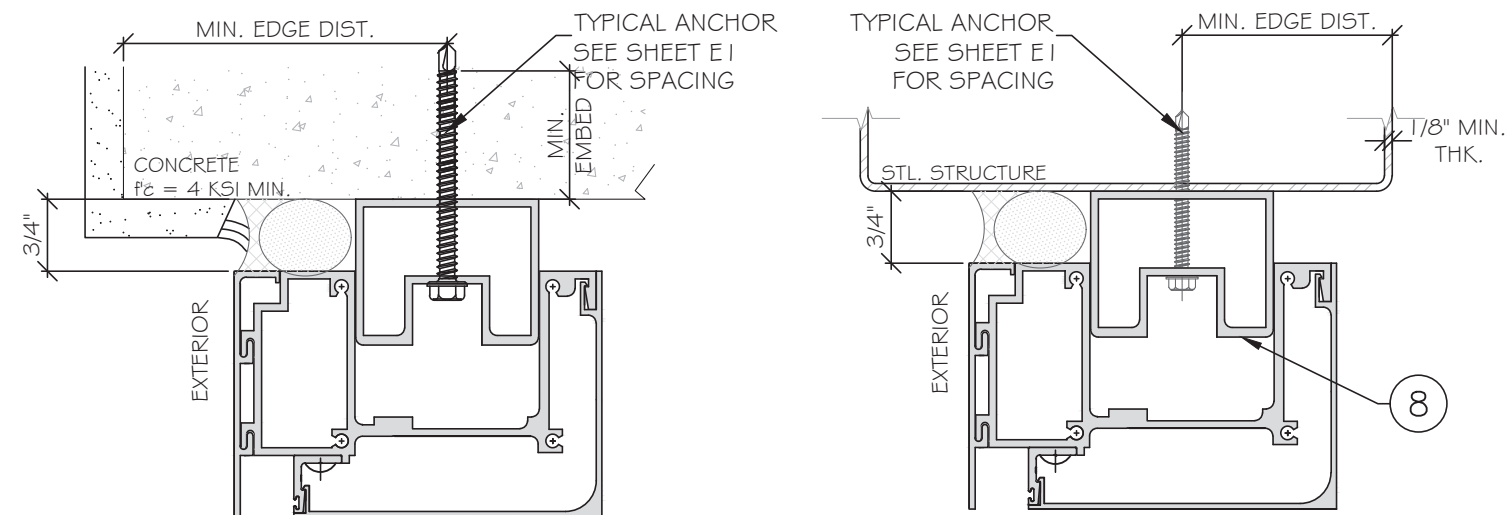
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[illegible]

CHART 6: ANCHOR CAPACITIES (3/4" GAP)

ANCHOR DESIGN LOAD CAPACITY - PSF								
EXT.(+) & INT.(-)								
NOMINAL DIMS.(IN)		TYPE "A"		TYPE "B"		TYPE "C" OR "D"		
FRAME HEIGHT	WIDTH	A4	A5	B4	B5	C4	C5	D4
108	36	190	190	190	190	190	190	190
	42	163	190	190	190	190	190	190
	48	142	178	190	190	190	190	190
	54	126	158	190	190	186	190	190
	60	114	142	181	190	167	190	190
	66	103	129	165	190	152	190	184
	72	95	119	151	189	139	174	169
114	36	180	190	190	190	190	190	190
	42	154	190	190	190	190	190	190
	48	135	168	190	190	190	190	190
	54	120	150	190	190	176	190	190
	60	108	135	172	190	158	190	190
	66	98	122	156	190	144	180	175
	72	90	112	143	179	132	165	160
120	36	171	190	190	190	190	190	190
	42	146	183	190	190	190	190	190
	48	128	160	190	190	188	190	190
	54	114	142	181	190	167	190	190
	60	102	128	163	190	150	188	182
	66	93	116	148	185	137	171	166
	72	85	107	136	170	125	157	152
126	36	163	190	190	190	190	190	190
	42	139	174	190	190	190	190	190
	48	122	152	190	190	179	190	190
	54	108	135	173	190	159	190	190
	60	98	122	155	190	143	179	174
	66	89	111	141	177	130	163	158
132	36	155	190	190	190	190	190	190
	42	133	166	190	190	190	190	190
	48	116	145	185	190	171	190	190
	54	103	129	165	190	152	190	184
	60	93	116	148	185	137	171	166
	66	85	106	135	169	124	155	151
138	36	148	186	190	190	190	190	190
	42	127	159	190	190	187	190	190
	48	111	139	177	190	163	190	190
	54	99	124	158	190	145	182	176
	60	89	111	142	177	131	163	159
144	36	142	178	190	190	190	190	190
	42	122	152	190	190	179	190	190
	48	107	133	170	190	157	190	190
	54	95	119	151	189	139	174	169
	60	85	107	136	170	125	157	152
150	36	137	171	190	190	190	190	190
	42	117	146	187	190	172	190	190
	48	102	128	163	190	150	188	182
	54	91	114	145	181	134	167	162
	60	82	102	131	163	120	150	146



A4, B4,C4,D4 - (4) ANCHOR TYPE "A", "B" OR "C" OR "D" AT EACH SIDE OF MULLION OR JAMB
A5, B5,C5 - (5) ANCHOR TYPE "A", "B" OR "C" AT EACH SIDE OF MULLION OR JAMB

TYPICAL ANCHORS AT HEAD & SILL:

TYPE "A": 5/16" DIA. ULTRACON ($F_u = 177$ KSI, $F_y = 155$ KSI)
2" MIN. EMBED DIRECTLY INTO $f'_c=4$ KSI MIN. CONCRETE
3" MIN. EDGE DISTANCE

TYPE "B": 5/16" TEK'S OR SELF DRILLING SCREW (GRADE 5) ($F_u=120$ KSI, $F_y=92$ KSI)
INTO 1/8" MIN. STEEL A36 MIN.
 1" MIN. EDGE DISTANCE

TYPE "C": 3/8" DIA. DEWALT SCREW BOLT+ ($F_u = 105$ KSI, $F_y = 84$ KSI)
2" MIN. EMBED DIRECTLY INTO $f'_c=4$ KSI MIN. CONCRETE
3" MIN. EDGE DISTANCE

TYPE "D": 3/8" DIA. DEWALT SCREW BOLT+ (F_u = 105 KSI, F_y = 84 KSI)
3 1/4" MIN. EMBED DIRECTLY INTO f_c'=4 KSI MIN. CONCRETE
3" MIN. EDGE DISTANCE

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

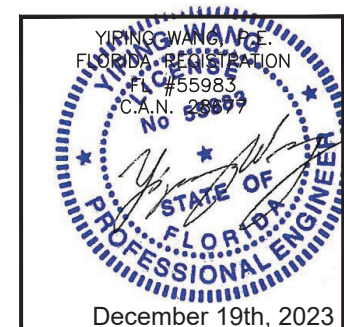
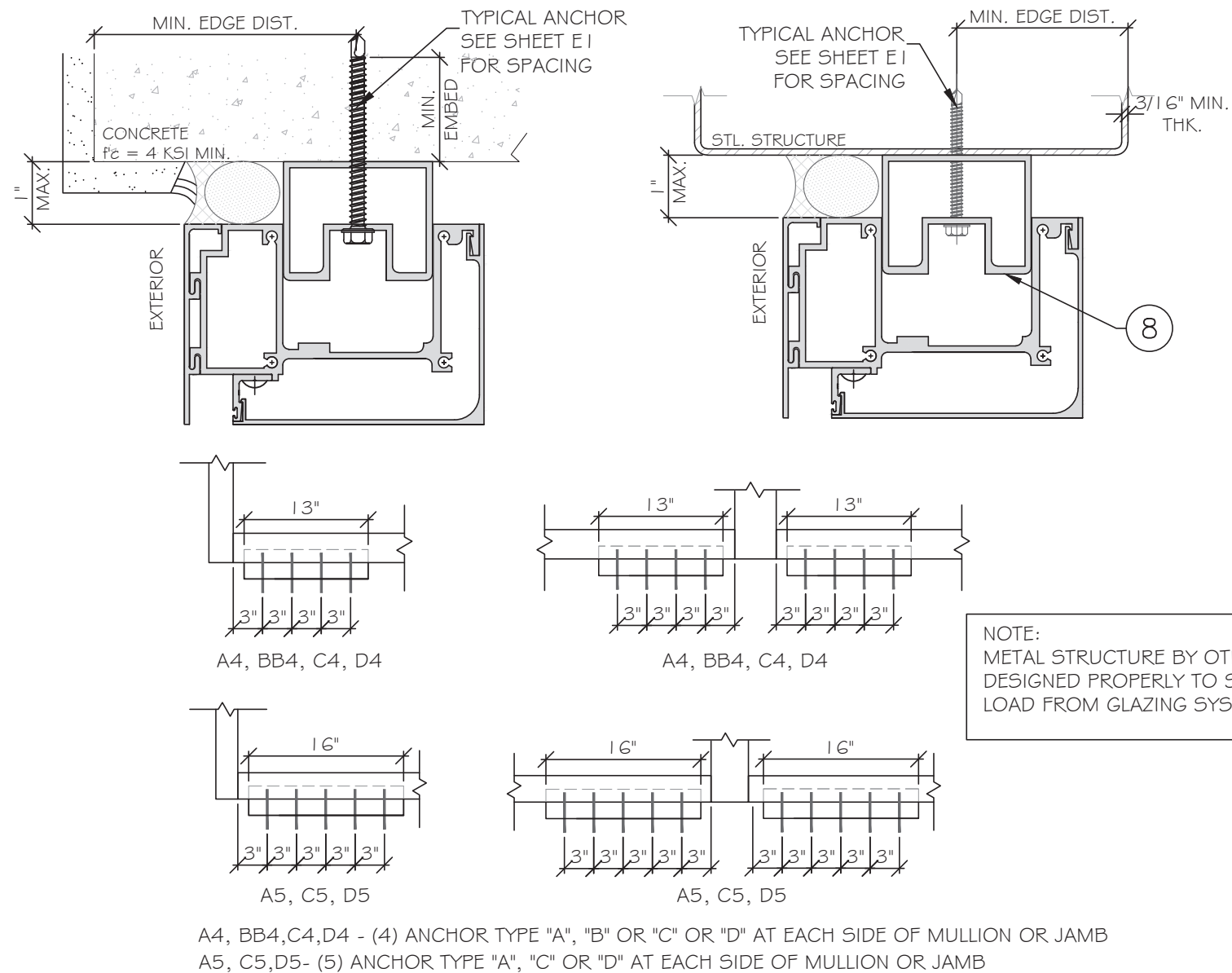
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CHART 7: ANCHOR CAPACITIES (1" GAP)

ANCHOR DESIGN LOAD CAPACITY-PSF EXT.(+) & INT.(-)								
NOMINAL DIMS (IN)		TYPE "A" OR "BB"			TYPE "C"		TYPE "D"	
FRAME HEIGHT	WIDTH	A4	A5	BB4	C4	C5	D4	D5
108	36	166	190	190	190	190	190	190
	42	142	178	190	190	190	190	190
	48	124	156	190	190	190	190	190
	54	111	138	190	174	190	190	190
	60	100	124	190	156	190	188	190
	66	91	113	190	142	178	171	190
	72	83	104	190	130	163	157	190
114	36	157	190	190	190	190	190	190
	42	135	168	190	190	190	190	190
	48	118	147	190	185	190	190	190
	54	105	131	190	165	190	190	190
	60	94	118	190	148	185	179	190
	66	86	107	190	135	168	162	190
	72	79	98	190	124	154	149	186
120	36	149	187	190	190	190	190	190
	42	128	160	190	190	190	190	190
	48	112	140	190	176	190	190	190
	54	100	124	190	156	190	188	190
	60	90	112	190	141	176	170	190
	66	81	102	190	128	160	154	190
	72	75	93	181	117	147	141	177
126	36	142	178	190	190	190	190	190
	42	122	152	190	190	190	190	190
	48	107	133	190	168	190	190	190
	54	95	119	190	149	186	179	190
	60	85	107	190	134	168	162	190
	66	78	97	188	122	152	147	184
132	36	136	170	190	190	190	190	190
	42	116	145	190	183	190	190	190
	48	102	127	190	160	190	190	190
	54	91	113	190	142	178	171	190
	60	81	102	190	128	160	154	190
	66	74	93	180	116	145	140	175
138	36	130	162	190	190	190	190	190
	42	111	139	190	175	190	190	190
	48	97	122	190	153	190	184	190
	54	87	108	190	136	170	164	190
	60	78	97	189	122	153	147	184
144	36	124	156	190	190	190	190	190
	42	107	133	190	168	190	190	190
	48	93	117	190	147	183	177	190
	54	83	104	190	130	163	157	190
	60	75	93	181	117	147	141	177
150	36	119	149	190	188	190	190	190
	42	102	128	190	161	190	190	190
	48	90	112	190	141	176	170	190
	54	80	100	190	125	156	151	188
	60	72	90	174	113	141	136	170



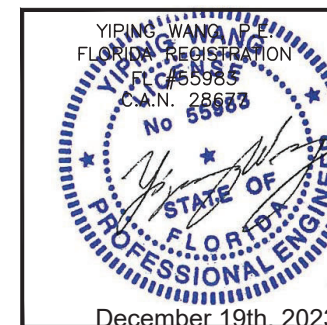
TYPICAL ANCHORS AT HEAD & SILL:

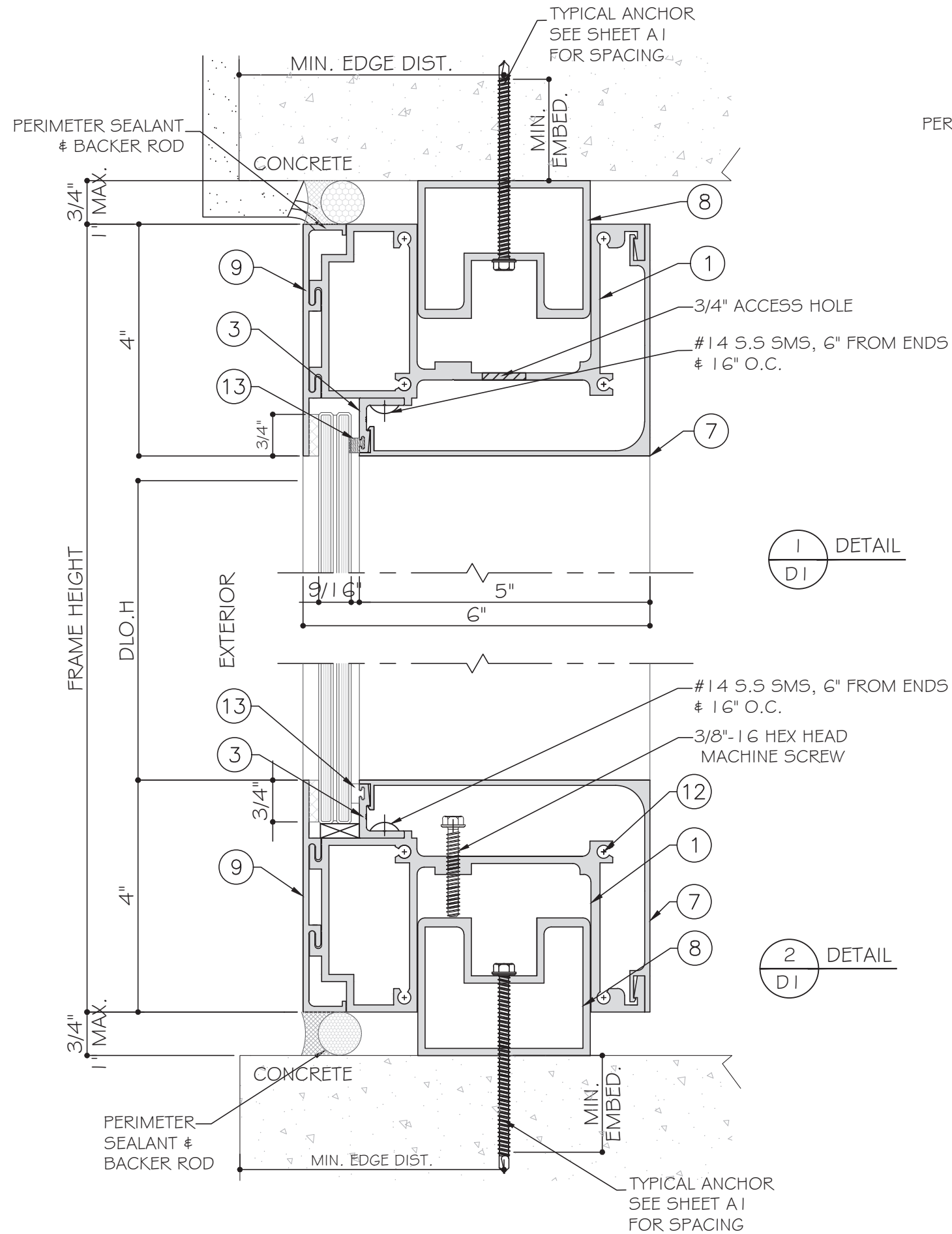
TYPE "A": 5/16" DIA. ULTRACON ($F_u = 177$ KSI, $F_y = 155$ KSI)
2" MIN. EMBED DIRECTLY INTO $f'_c = 4$ KSI MIN. CONCRETE
3" MIN. EDGE DISTANCE

TYPE "BB": 5/16" TEK OR SELF DRILLING SCREW (GRADE 5) ($F_u=120$ KSI, $F_y=92$ KSI)
 INTO 3/16" MIN. STEEL A36 MIN.
 1" MIN. EDGE DISTANCE

TYPE "C": 3/8" DIA. DEWALT SCREW BOLT+ ($F_u = 105 \text{ KSI}$, $F_y = 84 \text{ KSI}$)
2" MIN. EMBED DIRECTLY INTO $f'_c=4 \text{ KSI}$ MIN. CONCRETE
3" MIN. EDGE DISTANCE

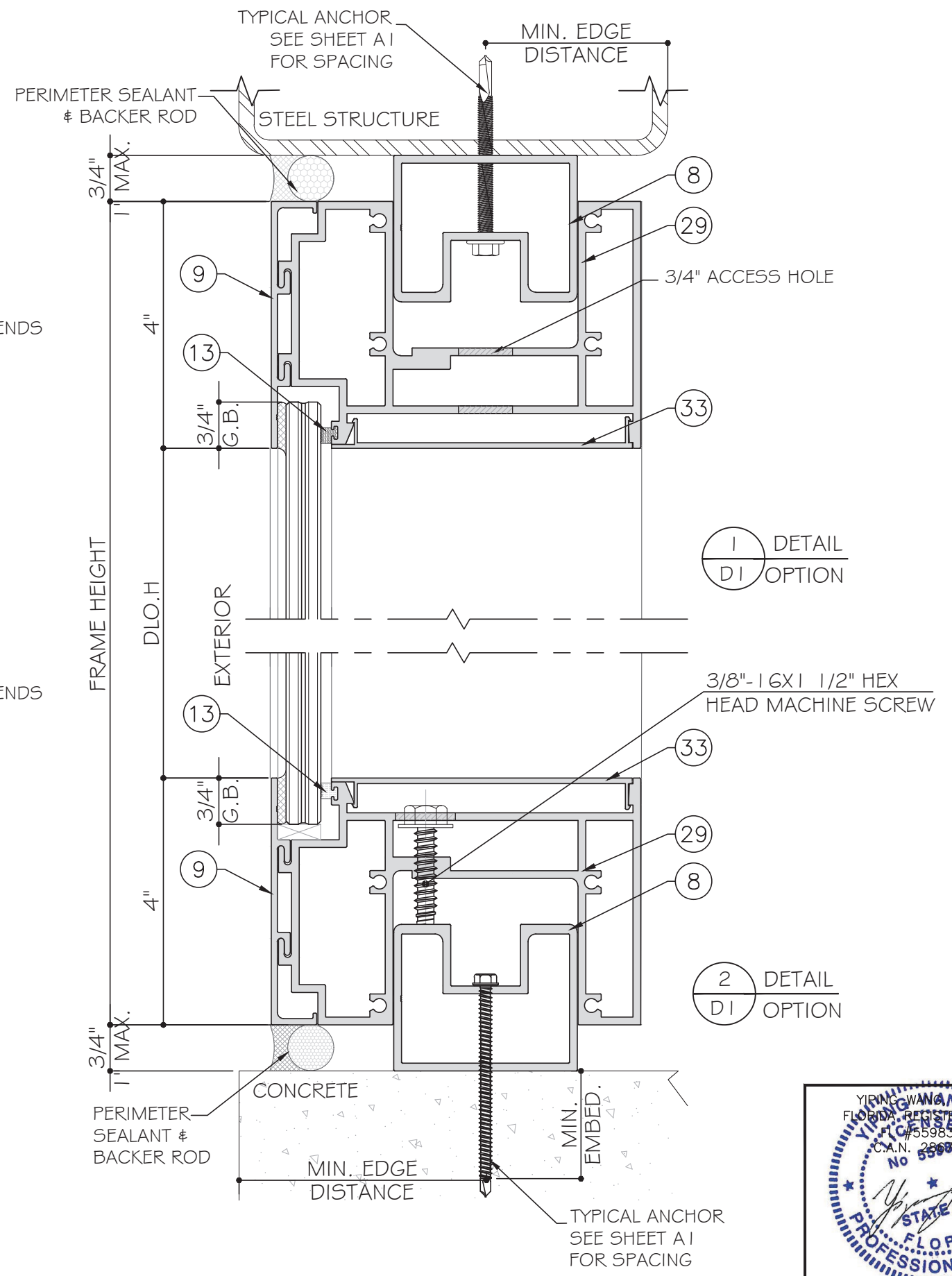
TYPE "D": 3/8" DIA. DEWALT SCREW BOLT+ ($F_u = 105$ KSI, $F_y = 84$ KSI)
3 1/4" MIN. EMBED DIRECTLY INTO $f_c' = 4$ KSI MIN. CONCRETE
3" MIN. EDGE DISTANCE





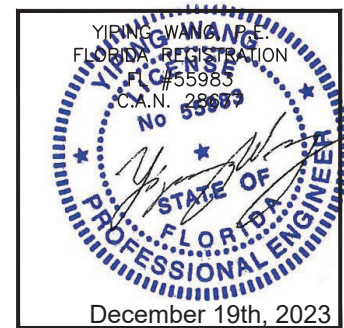
1
DI
DETAIL

2
DI
DETAIL



1
DI
DETAIL
OPTION

2
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DETAIL
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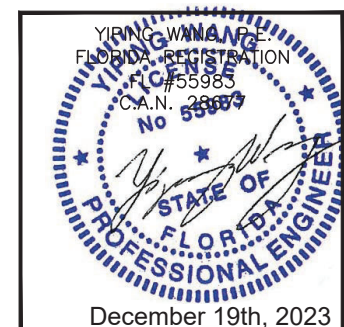
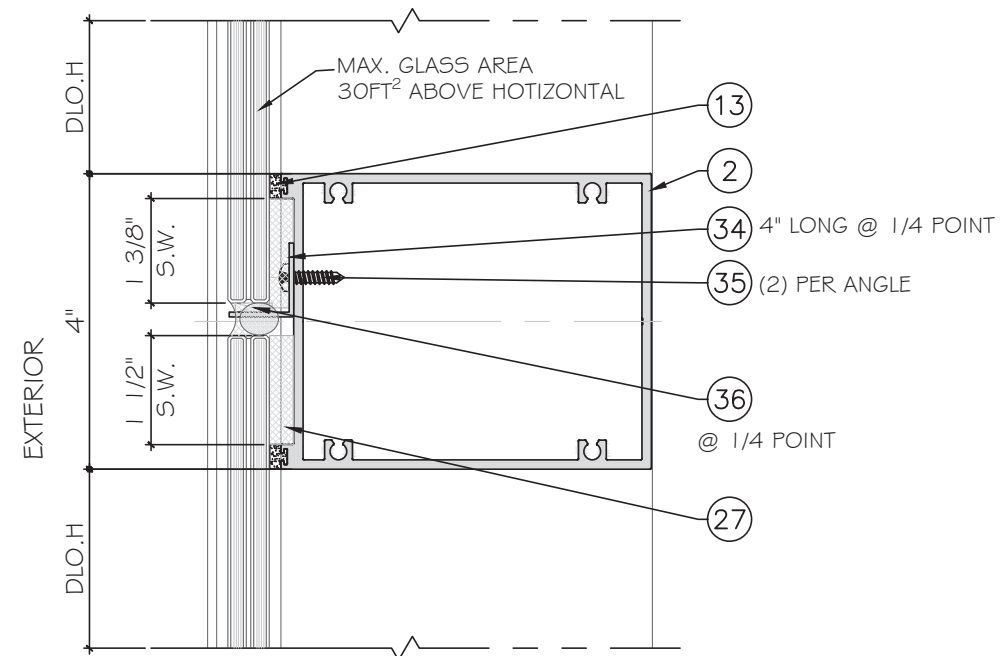
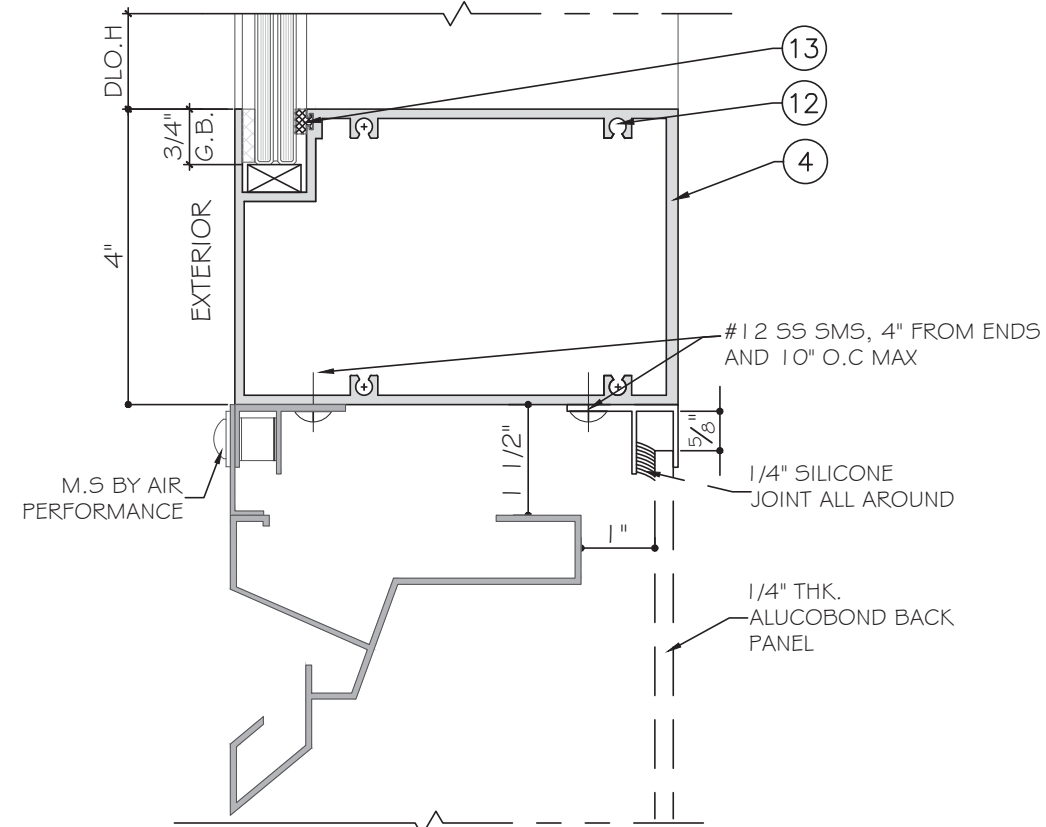
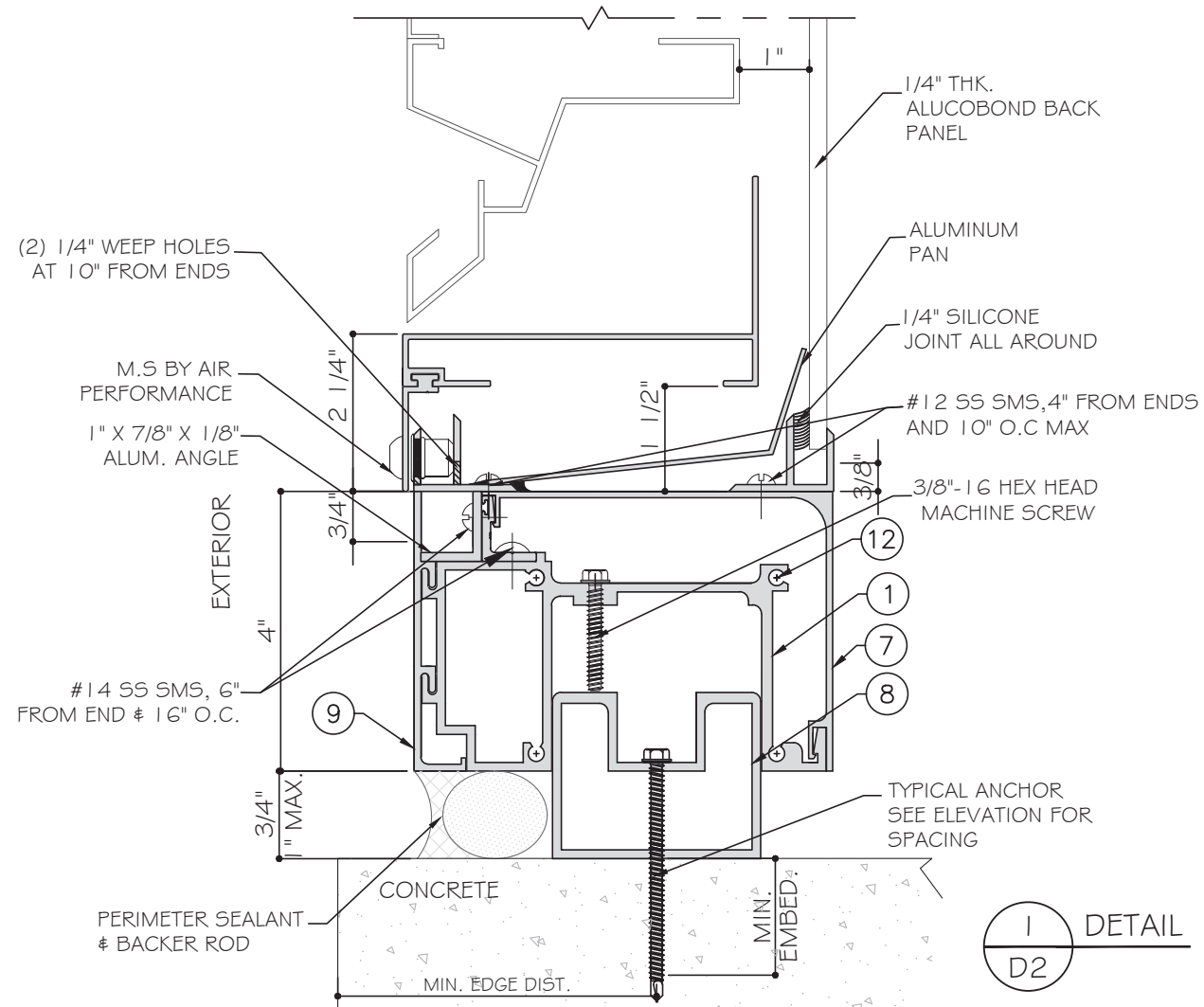
Rev. No.	Date	Drawn By	Description
R2	12.19.2023	JAMES	UPDATE FBC 2023

Drawn Date: 12.19.2023

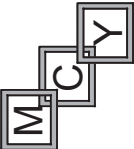
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Drawing No.: FL#27670.2

Sheet No.: 10 OF 21



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SYSTEM 3800 WINDOW WALL - SMI

CONTINENTAL GLASS SYSTEMS, INC.

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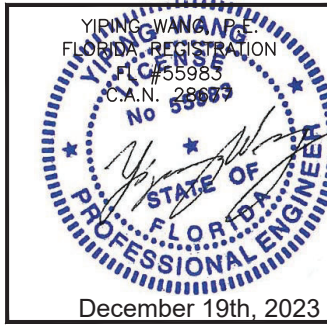
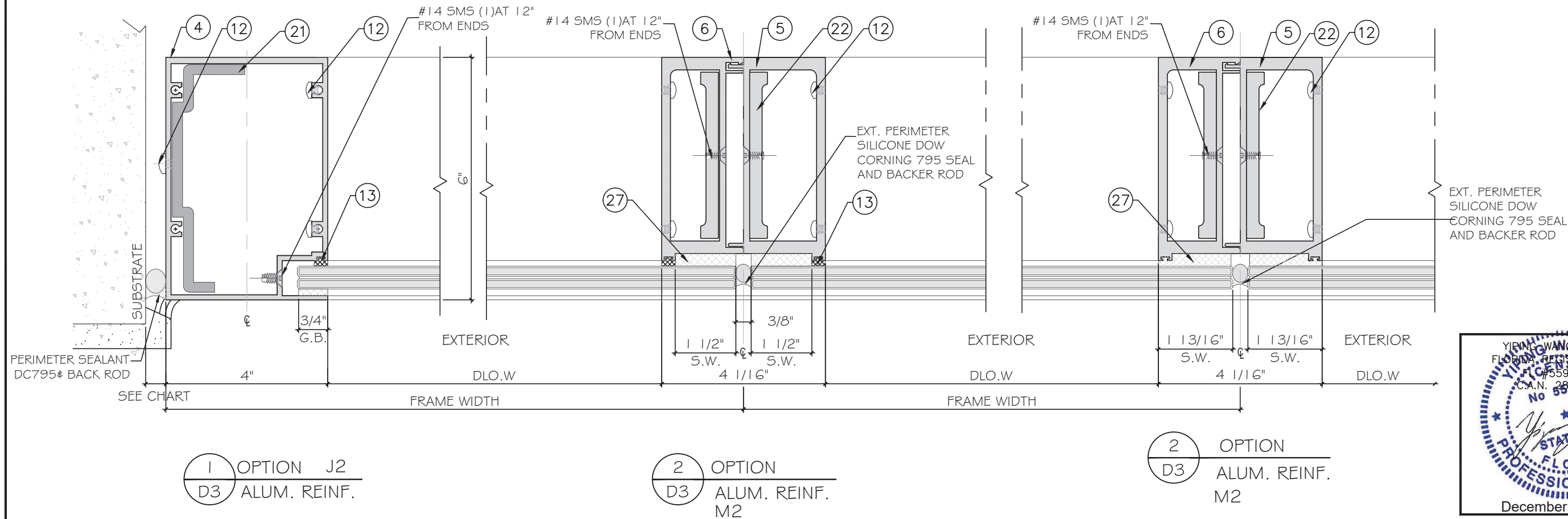
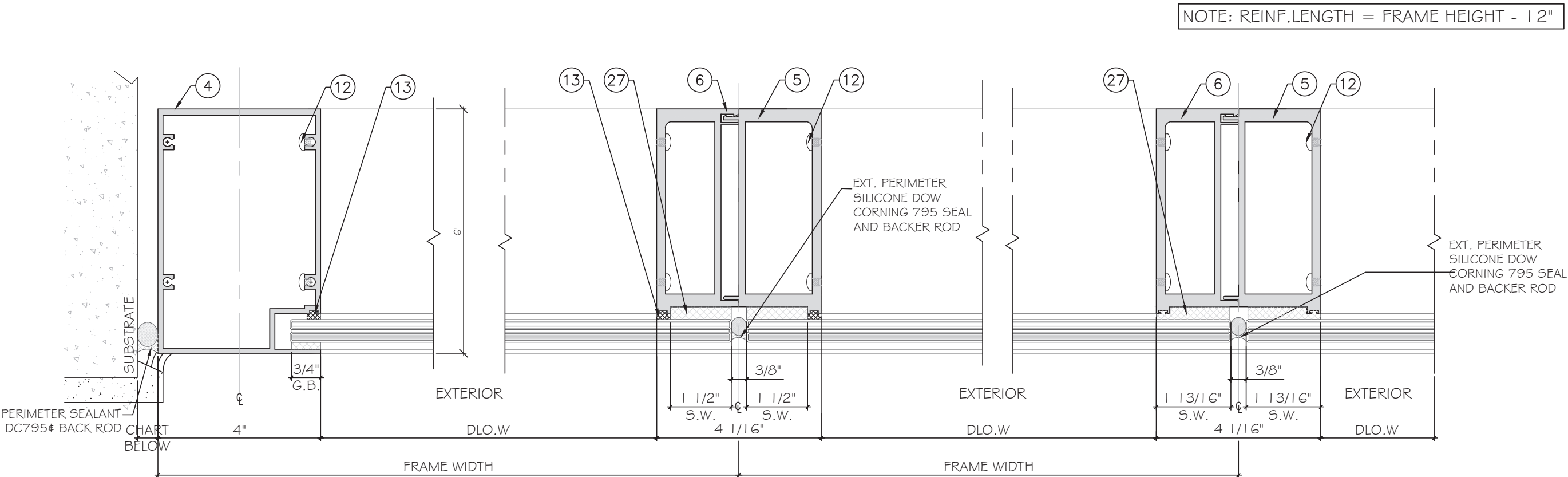
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FL#27670.2

DRAWING NO.
AD22-26

D2

Sheet No.
11 OF 21



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Drawn Date 12.19.2023 Scale AS SHOWN

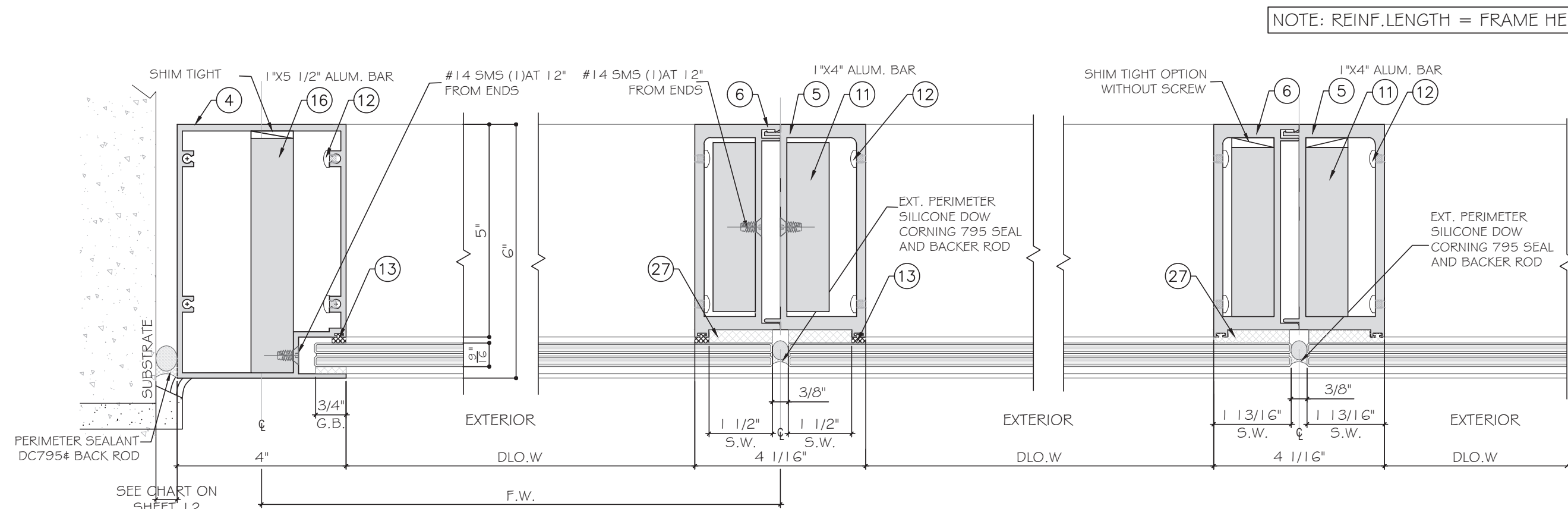
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DRAWING NO. AD22-26

D3

Sheet No. 12 OF 21

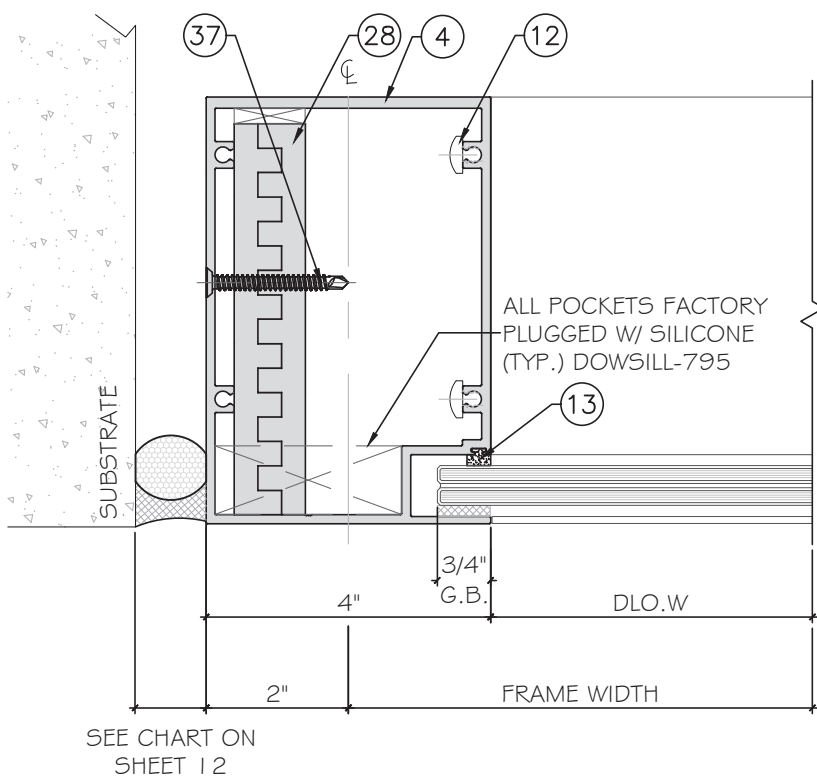
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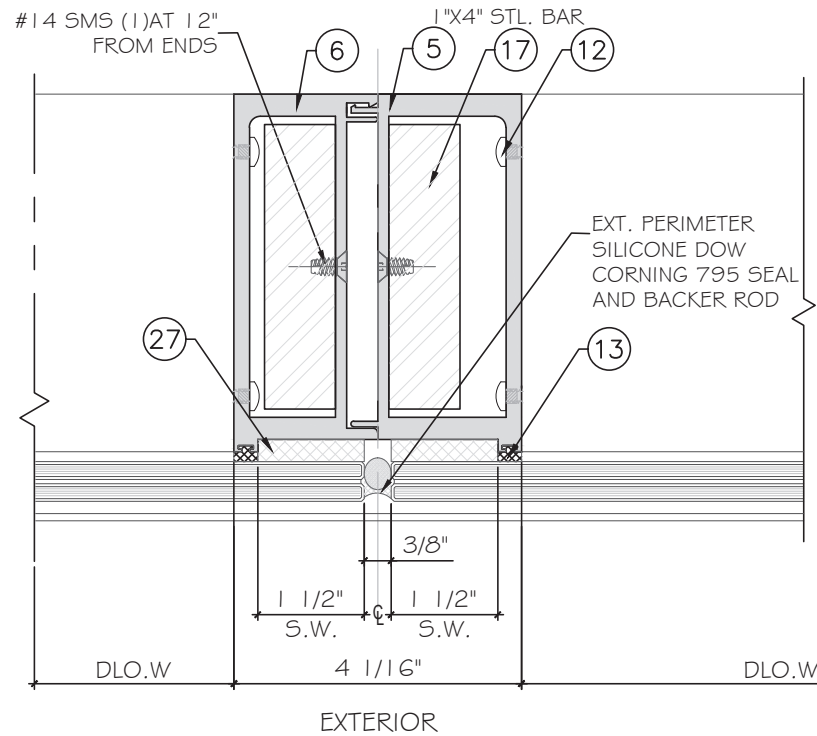
1 DETAIL J3
D4 W/1"X 5 1/2"ALUM.
BAR REINF.

2 DETAIL M3
D4 W/1"X4" ALUM.
BAR REINF.

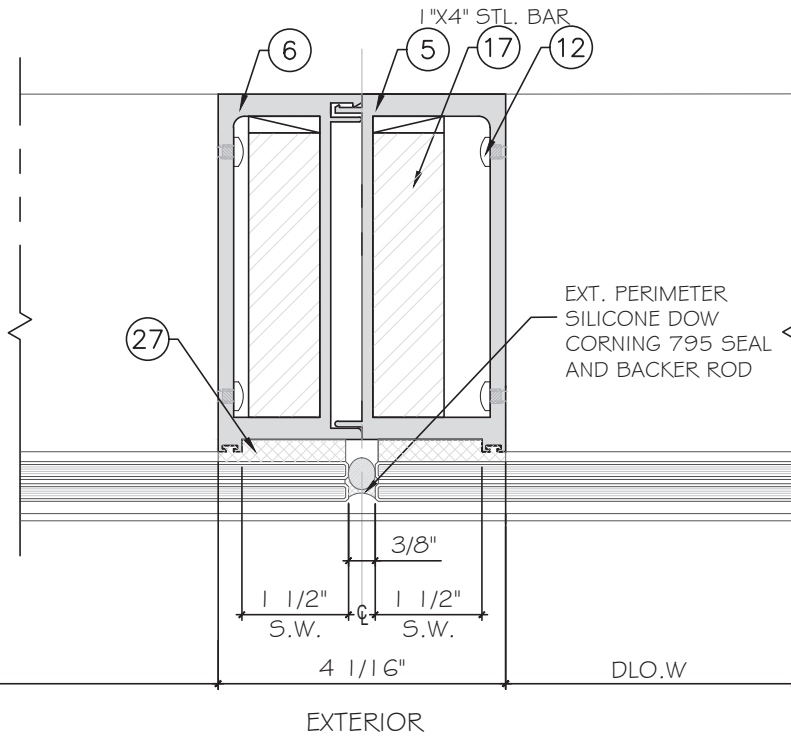
2 OPTION M3
D4 W/1"X4" ALUM.
BAR REINF.



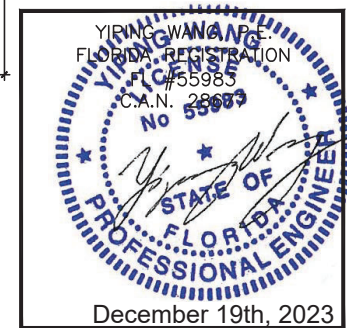
1 OPTION J4
D4



2 OPTION M4
D4 W/1"X4" STL. BAR
REINF.

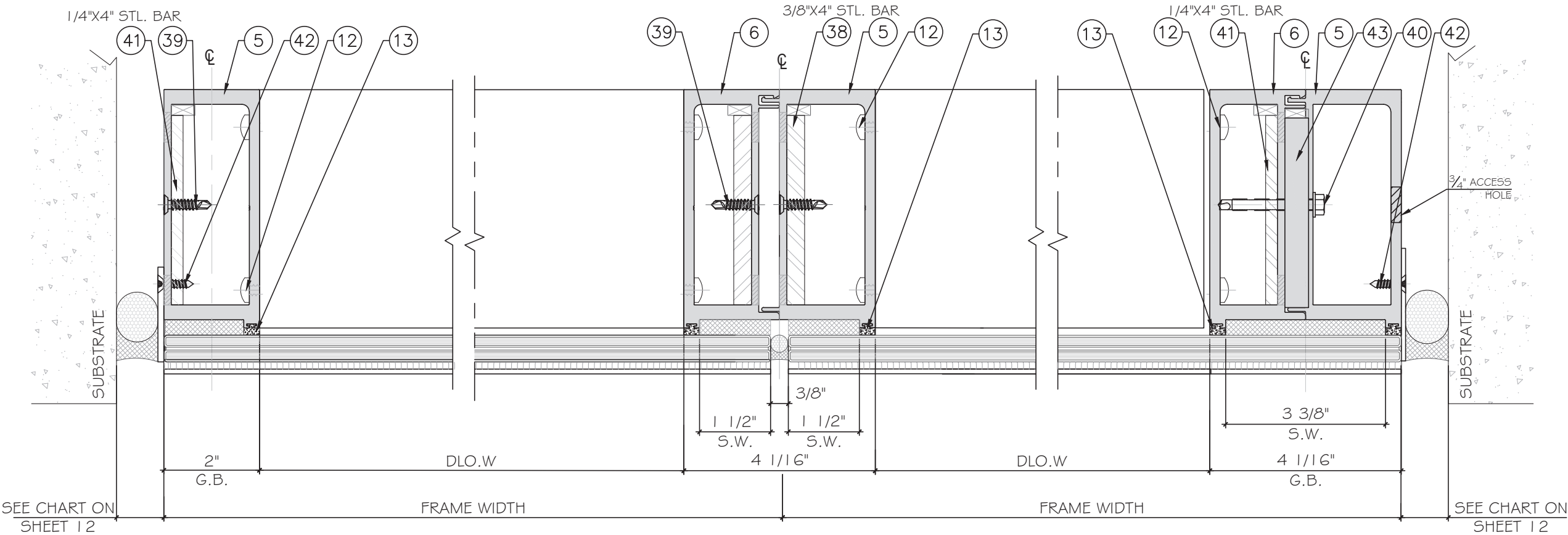


2 OPTION M4
D4 W/1"X4" STL. BAR
REINF.



Rev. No.	Date	Drawn By	Description
R2	12.19.2023	JAMES	UPDATE FBC 2023
Drawn Date	12.19.2023	Scale	AS SHOWN
Drawing No.	FL#27670.2		
Sheet No.	AD22-26		
	D4		
	13 OF 21		

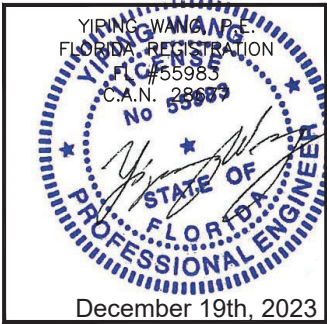
NOTE: REINF.LENGTH = FRAME HEIGHT - 12"



1 DETAIL
D5 J5

2 DETAIL
D5 M5

3 DETAIL
D5 J5A



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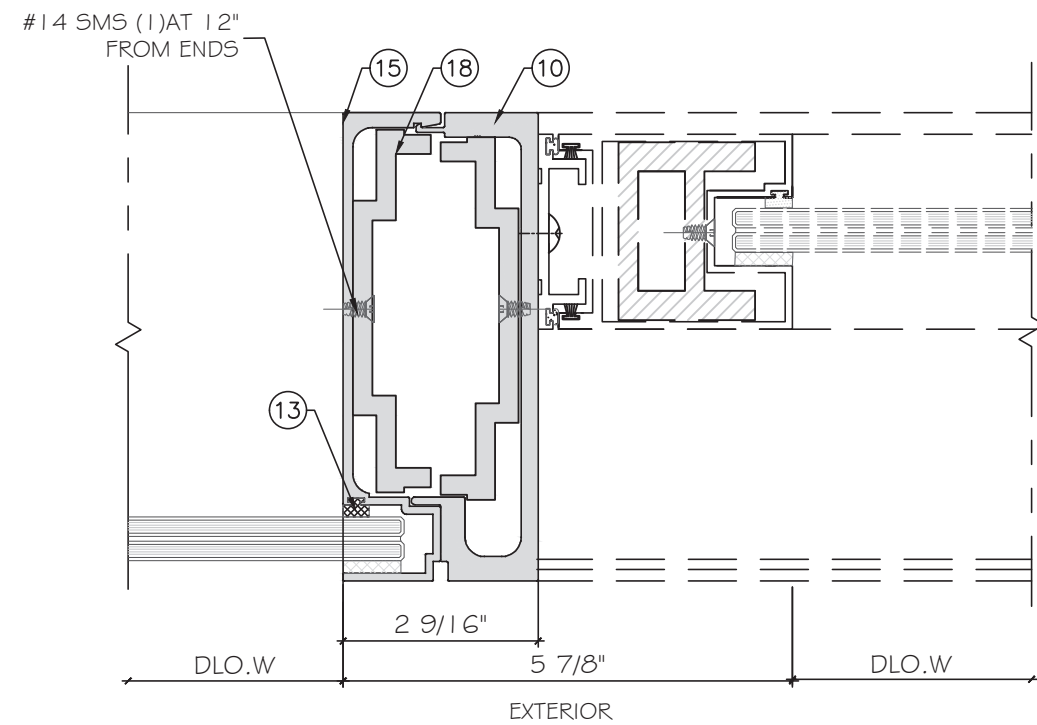
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Drawn Date
12.19.2023

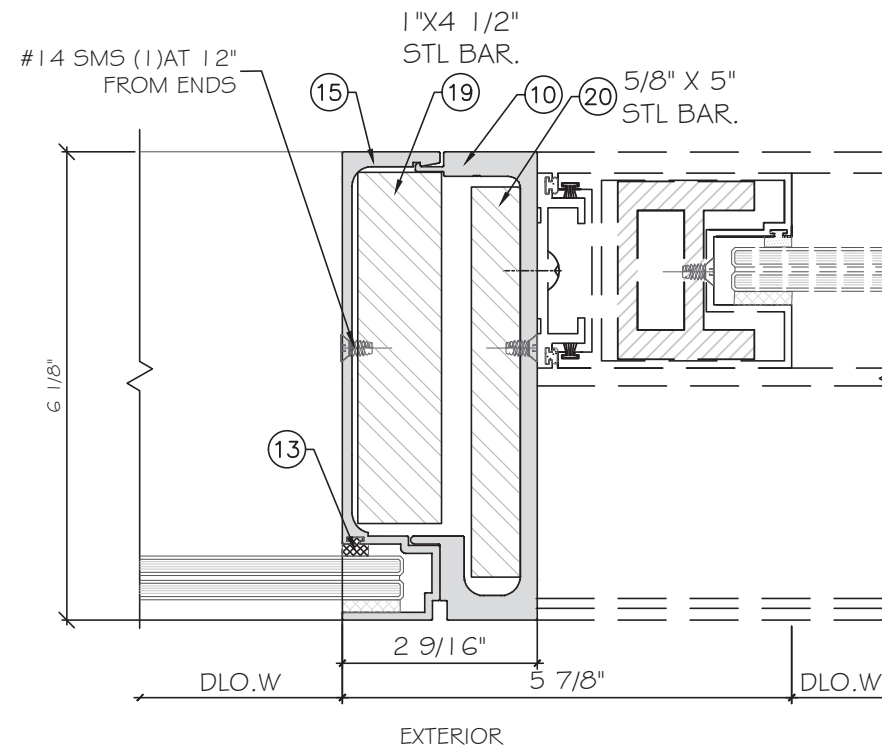
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FL#27670.2
DRAWING NO.
AD22-26

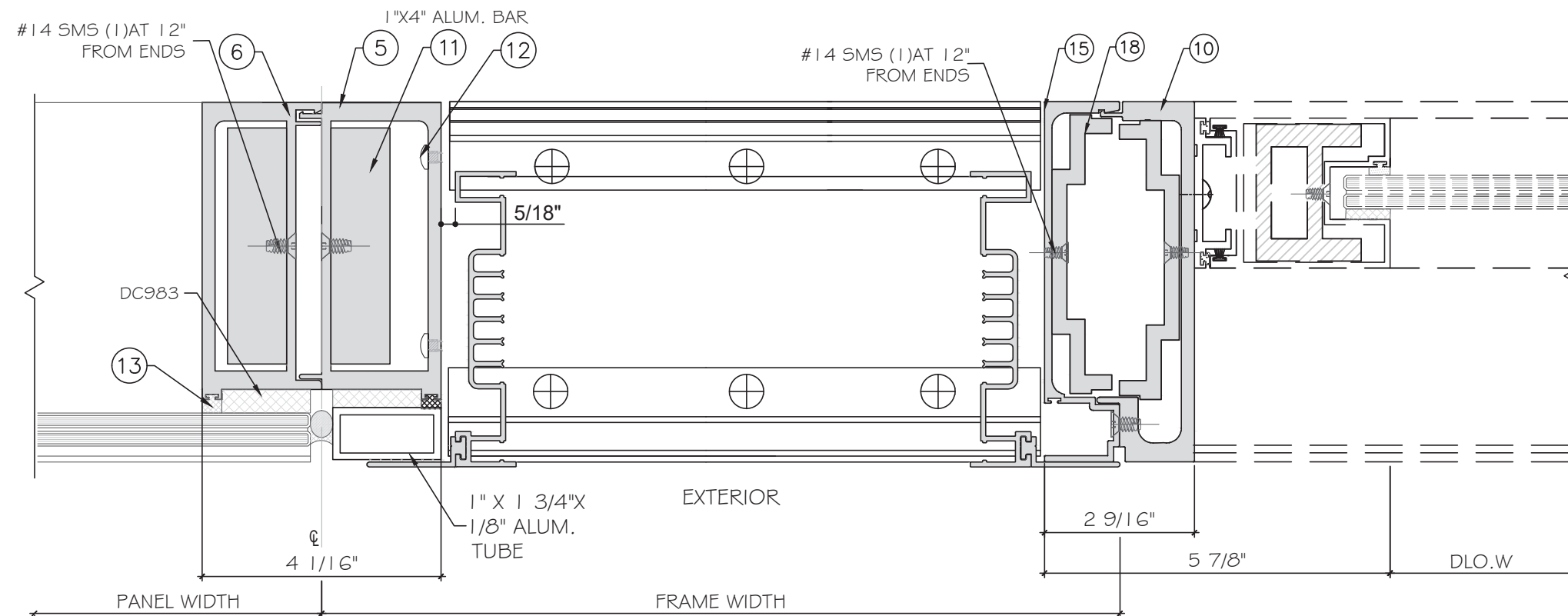
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Sheet No.
14 OF 21



1 DETAIL MG
D6 WW-SGD
MULLION

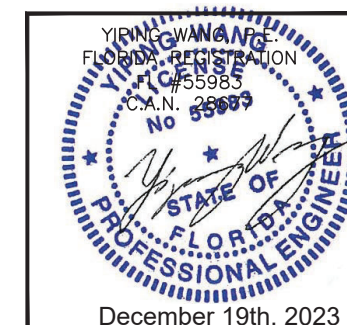


2 DETAIL M7
D6 WW-SGD
MULLION

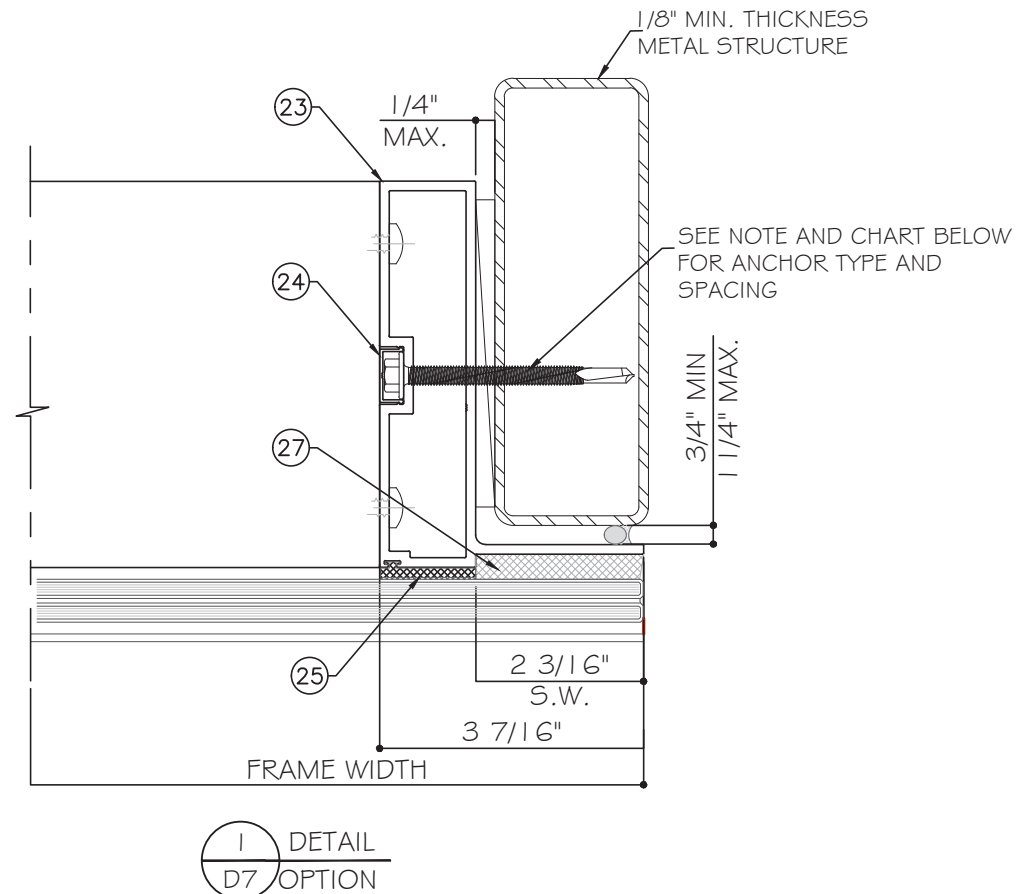


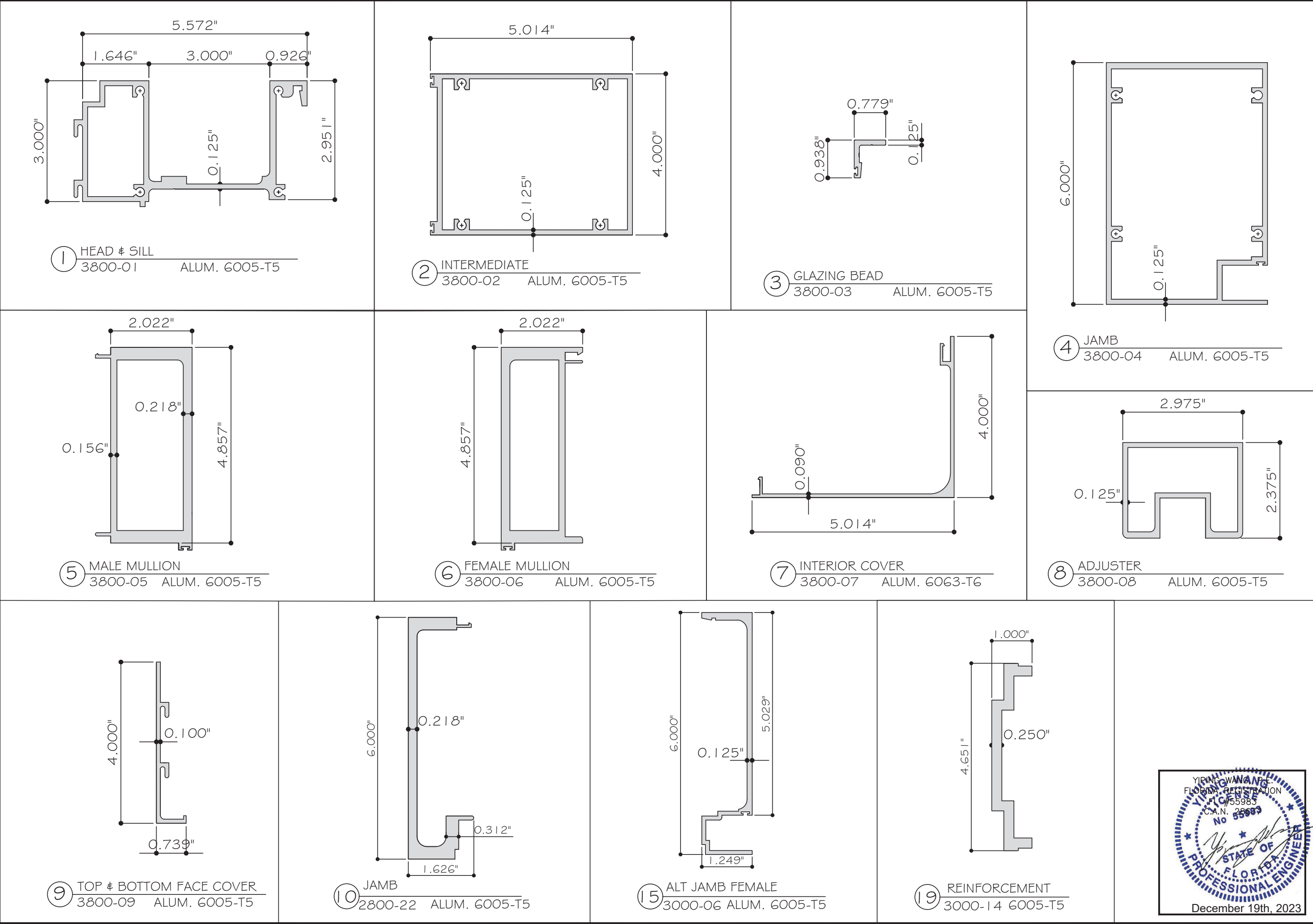
3 DETAIL
D6 ALUM. REINF.
SHOWN

4 DETAIL
D6 ALUM. REINF.
SHOWN



Rev. No.	Date	Drawn By	Description
R2	12/19/2023	JAMES	UPDATE FBC 2023
Drawn Date	12/19/2023	Scale	AS SHOWN
Drawing No.	FL#27670.2		
Sheet No.	AD22-26		
	D6		
	15 OF 21		

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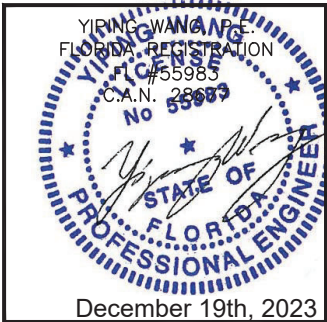
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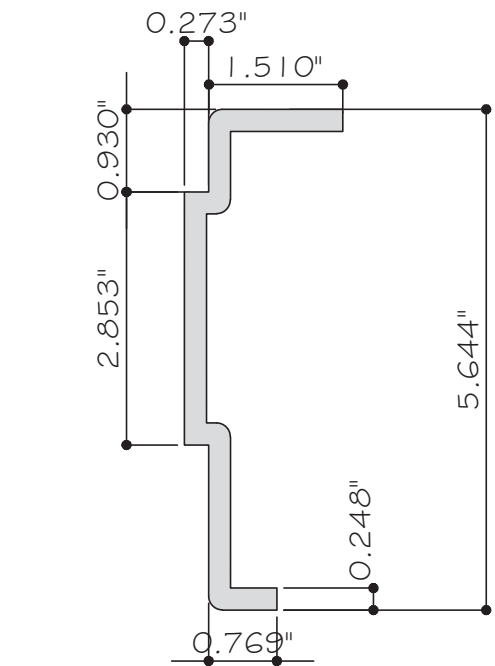
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AD22-26

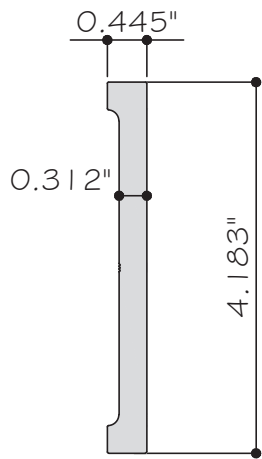
PARTS

Sheet No.
17 OF 21

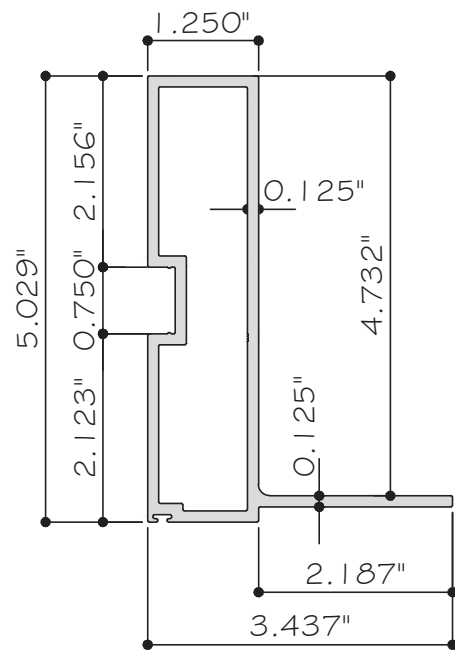




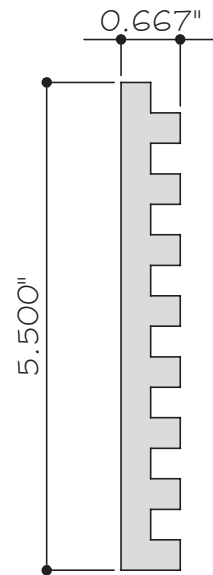
21 REINFORCEMENT
3000-15 6005-T5



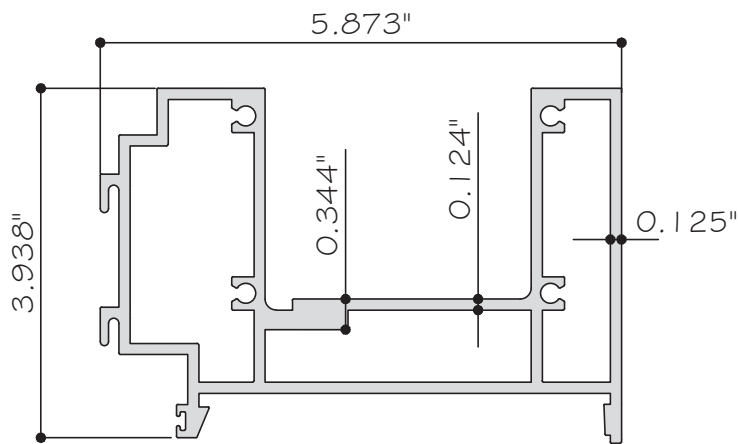
22 REINFORCEMENT
3800-21 6005-T5



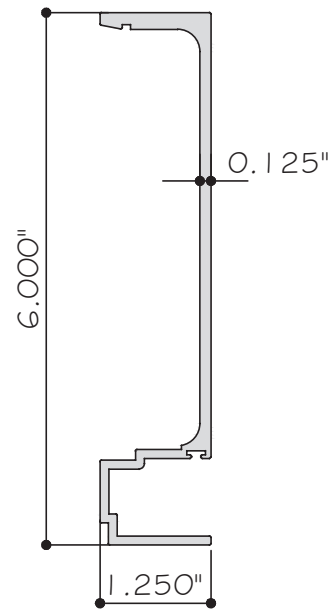
23 JAMB
3800-10 6005-T5



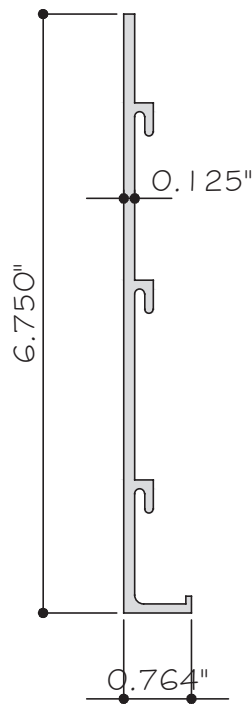
28 ALUM. REINFORCE
2800-93 ALUM. 6005-T5



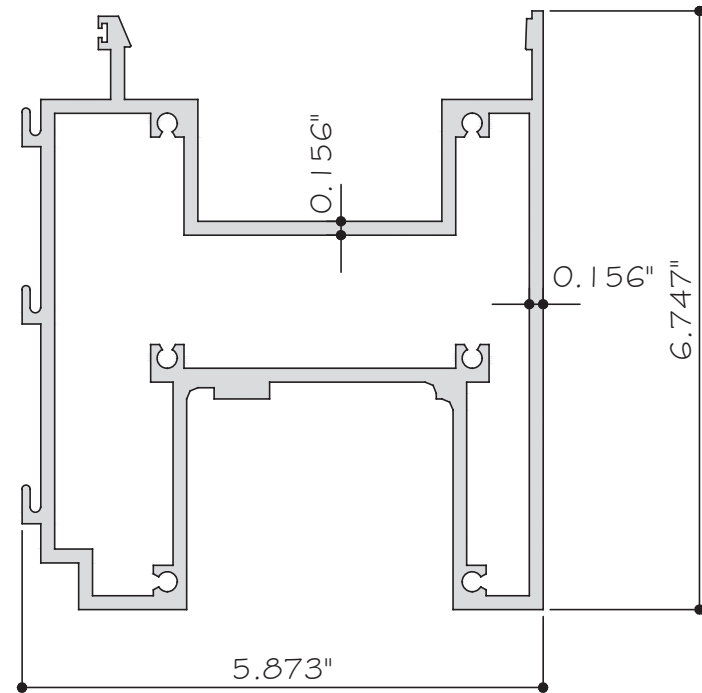
29 HORIZONTAL
3800-88 ALUMINUM 6005-T5



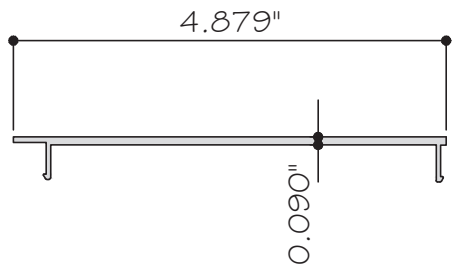
30 FEMALE
3000-06 ALUMINUM 6005-T5



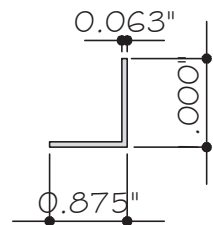
31 HORIZONTAL COVER
3800-13 ALUMINUM 6005-T5



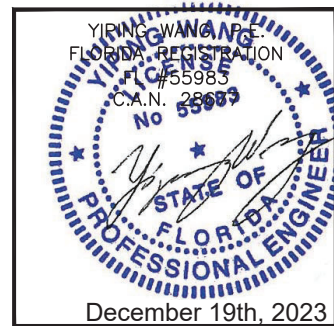
32 HORIZONTAL
3800-12 ALUMINUM 6005-T5



33 INTERIOR COVER
3800-III ALUMINUM 6005-T5

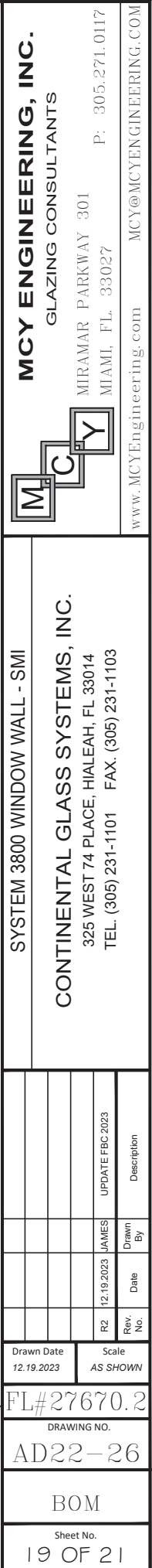


34 ANGLE
ALUMINUM 6061-T6



Rev.	Date	Drawn By	Description
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Drawn Date	12.19.2023	Scale	AS SHOWN
FL#27670.2			
DRAWING NO. AD22-26			
PARTS			
Sheet No. 18 OF 21			

ITEM	PART	DESCRIPTION	MATERIAL
1	3800-01	HEAD & SILL	6005-T5
2	3800-02	INTERMEDIATE	6005-T5
3	3800-03	GLAZING BEAD	6005-T5
4	3800-04	JAMB	6005-T5
5	3800-05	MALE MULLION	6005-T5
6	3800-06	FEMALE MULLION	6005-T5
7	3800-07	INTERIOR COVER	6063-T6
8	3800-08	ADJUSTER	6005-T5
9	3800-09	TOP & BOTTOM FACE COVER	6005-T5
10	2800-22	SGD JAMB	6005-T5
11	-	1" X 4" ALUM. REINF. (ALUM. MULLION REINFORCEMENT)	6061-T6511
12	-	# 14 X 1" PH SS SMS	S.S.
13	CGS-02	GLASS SPACER, CENTRAL PLASTIC	POLYPROPYLENE DURO 58 +/-5 SHORE A
14	-	SPACING GASKET, CENTRAL PLASTIC	-
15	3000-06	ALT JAMB FEMALE	6005-65
16	-	1" X 5 1/2" ALUM. REINF. (ALUM. JAMB REINFORCEMENT)	6061-T6511
17	-	1" X 4" STL. REINF. (STL. MULLION REINFORCEMENT)	A36
18	3000-14	REINFORCEMENT	6005-T5
19	-	1" X 4 1/2" STL BAR (SGD- FX REINF.)	A50
20	-	5/8" X 5" STL BAR (SGD-FX REINF.)	A50
21	3000-15	JAMB REINFORCEMENT	6005-T5
22	3800-21	MULLION REINFORCEMENT	6005-T5
23	3800-10	ANCHORED JAMB	6005-T5
24		SHEAR CLIP	6005-T5
25		SPACING GASKET,CENTRAL PLASTIC	POLYPROPYLENE DURO 58 +/-5 SHORE A
26		SIKASIL SG 500-CN/ SIKASIL SG-18/ DC983/ DC795	SILICONE
27		DC983/ DC995/ DC121	SILICONE
28	2800-93	ALUM. REINFORCE	6005-T5
29	3800-88	HORIZONTAL	6005-T5
30	3000-06	FEMALE	6005-T5
31	3800-13	HORIZONTAL COVER	6005-T5
32	3800-12	HORIZONTAL	6005-T5
33	3800-III	INTERIOR COVER	6005-T5
34		7/8" X 1" X 1/16" ALUM. ANGLES 4" LONG, @ 1/4 POINTS	6061-T6
35		#10X3/4" LG. PH-PH S.M.S. 304 S/S ASSEMBLY SCREW	STAINLESS STEEL
36		1/8" X 1/2" X 4" LG TPV 85 DURO	TPV
37		#14" -14 X 2" LG. FH. S.S. TEKS SECRW, (2) @6" FROM ENDS, (1) @ CENTER	STAINLESS STEEL



BILL OF MATERIALS

ITEM	PART	DESCRIPTION	MATERIAL
38	-	3/8" X 4" STEEL BAR, FULL LENGTH	STEEL A36
39	-	#12-14X1" LG. FH SDS DRILL - FLEX STALGARD GB (CW) (1) @6" FROM EACH ENDS ONE @ CENTER	STAINLESS STEEL
40	-	1/4" - 14 X 2" LG. HWH SDS DRILL-FLEX STALGARD GB (CW), (1) @6" FROM EACH ENDS, (1) @ CENTER	STAINLESS STEEL
41	-	1/4" X 4" STEEL BAR, FULL LENGTH	STEEL A36
42	-	#10X3/4" LG. PH-FH S.M.S. TYPE AB 300 SERIES SS (CW)	STAINLESS STEEL
43	-	1/2" THICK ALUM PLATE 12" LONG.	ALUMINUM 6061-T6511



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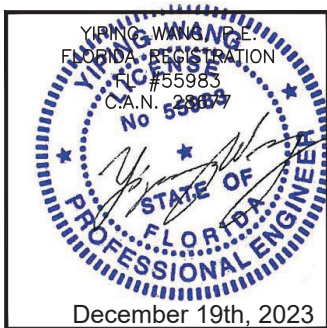
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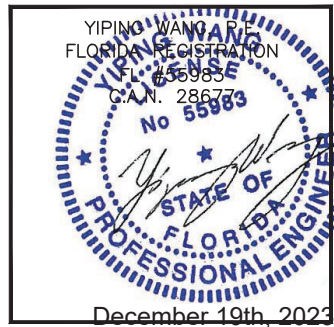
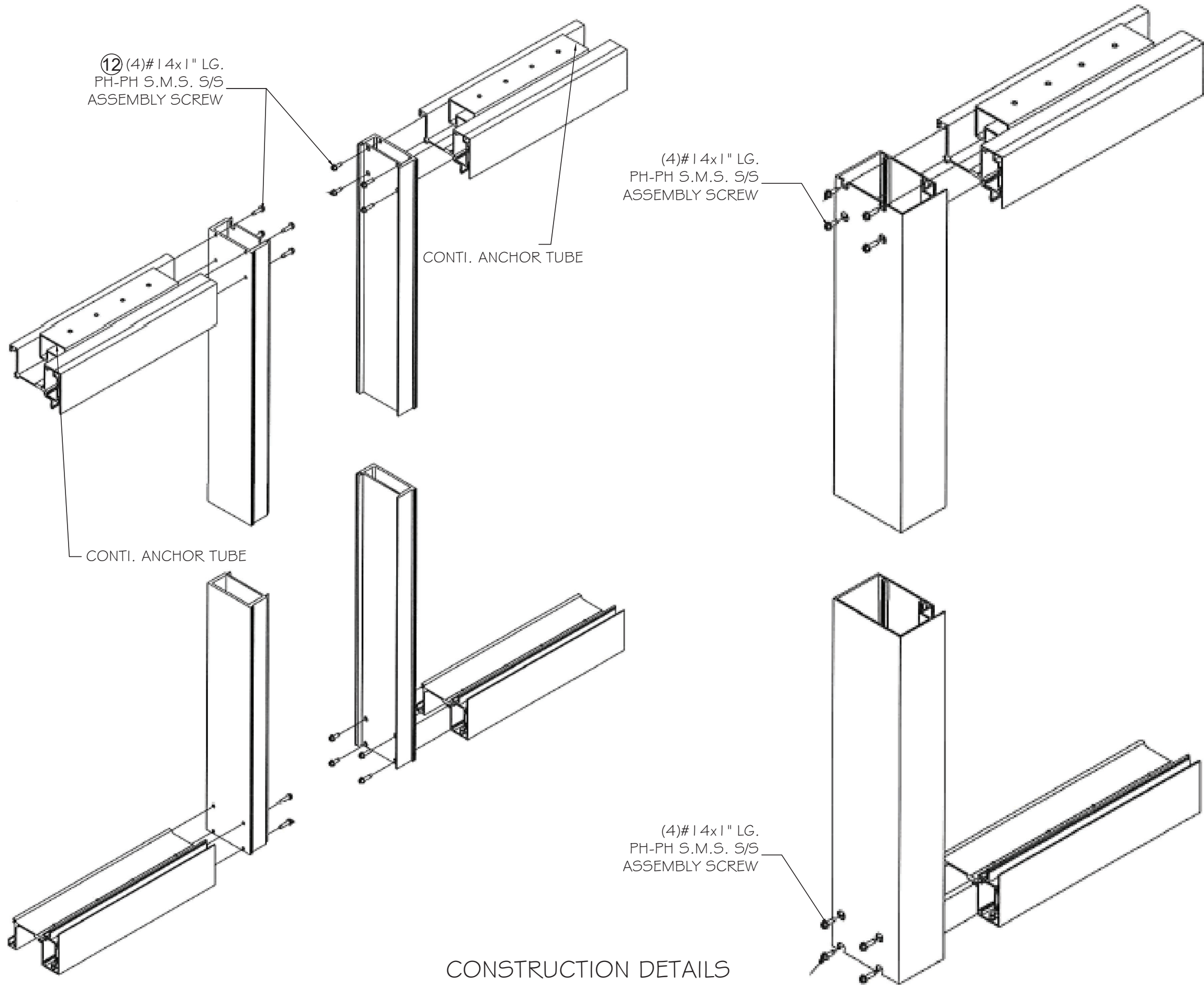
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R2	12.19.2023	JAMES	UPDATE FBC 2023
Drawn Date 12.19.2023		Scale AS SHOWN	
DRAFTING NO. AD22-26			
ISO			
Sheet No. 21 OF 21			