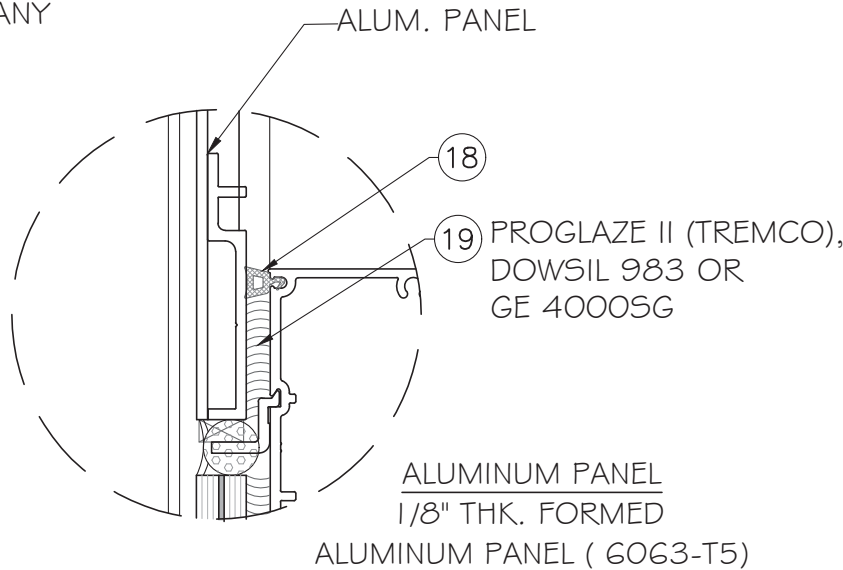
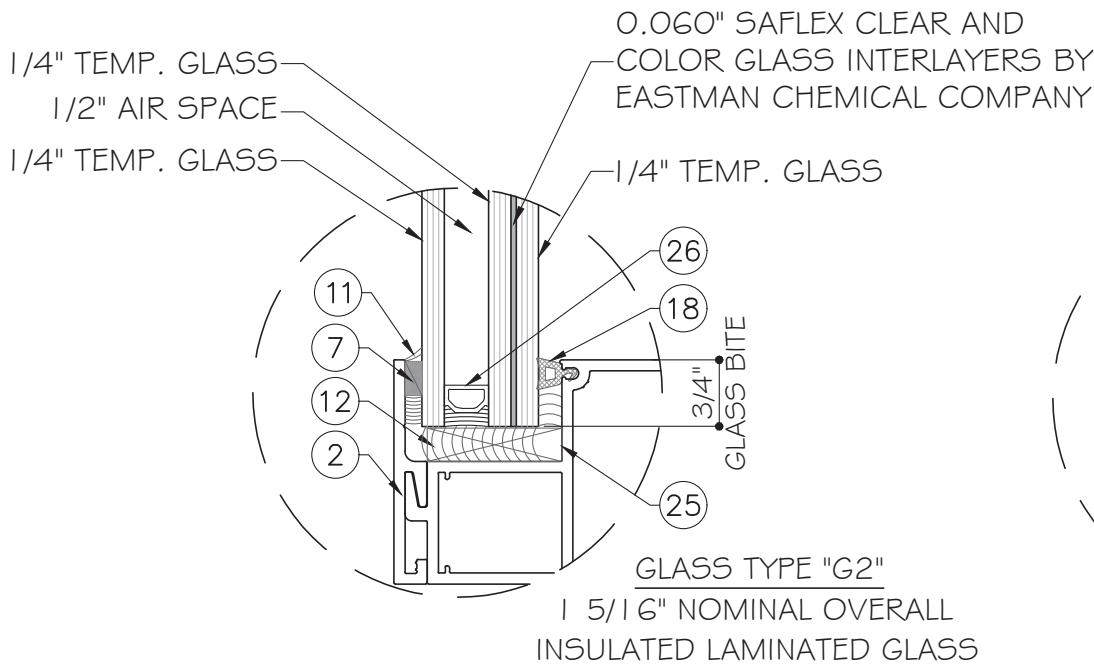
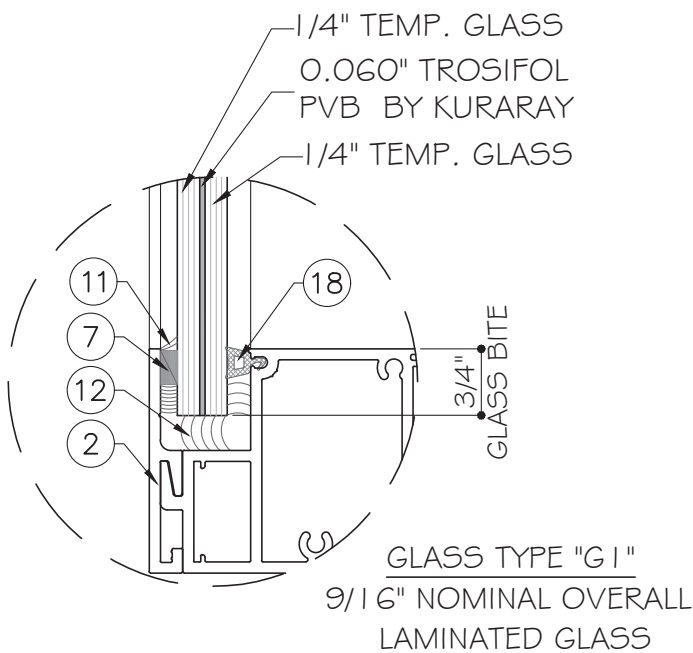


GLOBAL PERFORMANCE WINDOWS INC.
DBA. EPYSLON USA
ALUMINUM WINDOW-WALL SERIES EUSA WW40
WITH LAMINATED GLASS
SMALL MISSILE IMPACT (SMI)



GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 7TH EDITION (2020)/ 8TH EDITION (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- WINDOWS RATED FOR SMALL MISSILE IMPACT. IMPACT SHUTTERS ARE NOT REQUIRED FOR ELEVATIONS ABOVE 30'-0" FROM GRADE. IMPACT SHUTTERS ARE REQUIRED FOR ELEVATIONS BELOW 30'-0" FROM 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 FLORIDA BUILDING CODE 7TH EDITION (2020)/ 8TH EDITION (2023) SECTION AS APPLICABLE.

- METAL STRUCTURES NOT BY GLOBAL PERFORMANCE WINDOWS TO BE DESIGNED TO SUPPORT THE LOADS IMPOSED BY THIS GLAZING SYSTEM AND TO TRANSFER SUCH LOADS TO THE BUILDING MAIN STRUCTURE.
- ULTIMATE LOAD OBTAINED FROM ASCE 7-16/ ASCE 7-22, MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.
- MANUFACTURER'S LABEL SHALL BE LOCATED ON A READILY VISIBLE LOCATION IN ACCORDANCE WITH SECTION 1709.9.3 OF FLORIDA BUILDING CODE LABELING TO COMPLY WITH SECTION 1709.9.2.

ABBREVIATIONS AND SYMBOLS

D.L.O.W.- DAYLIGHT OPENING WIDTH	S.W- SILICONE WIDTH
D.L.O.H.- DAYLIGHT OPENING HEIGHT	G.B- GLASS BITE
F.H. - FRAME HEIGHT	
F.W. - FRAME WIDTH	
W - WITH	
W/O - WITHOUT	
O.C. - ON CENTER	
H.R. - HEAD RECEPTOR	

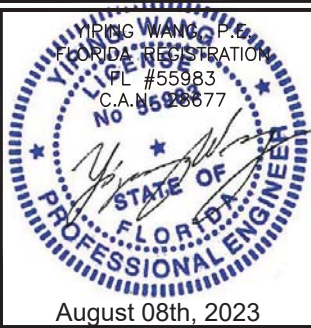


SECTION NUMBER

SHEET WHERE SECTION IS
DRAWN

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 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.



REVISONS	
NO.	DESCRIPTION
1	08.08.23 FBC 2023

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

MCY

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

SERIES EUSA-WW40 WINDOW WALL SYSTEM LAM. GLASS - SMI

GLOBAL PERFORMANCE WINDOWS, INC.
DBA EPYSLON USA

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

FL#19959.3

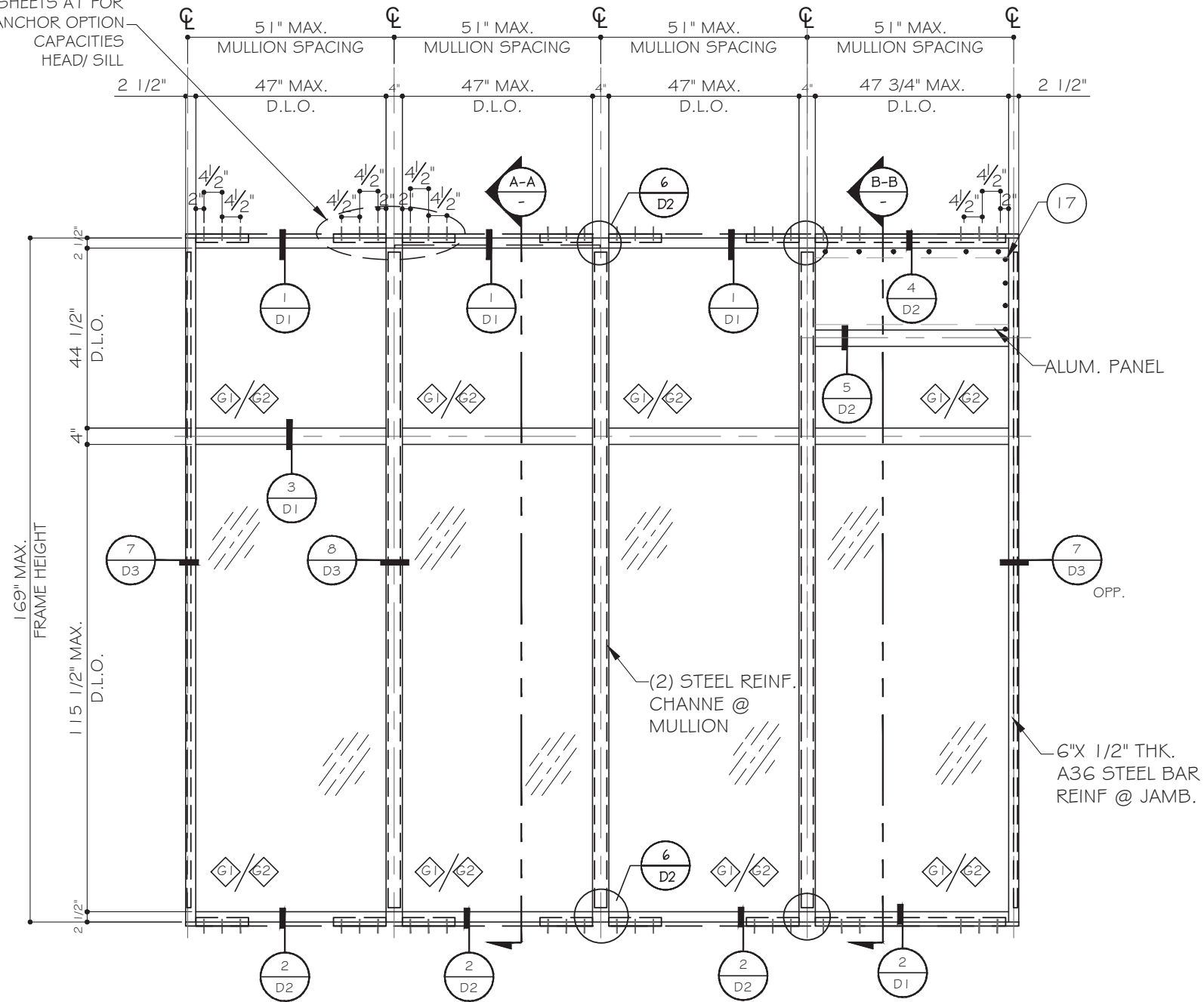
DATE	08.08.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	16-052

COVER

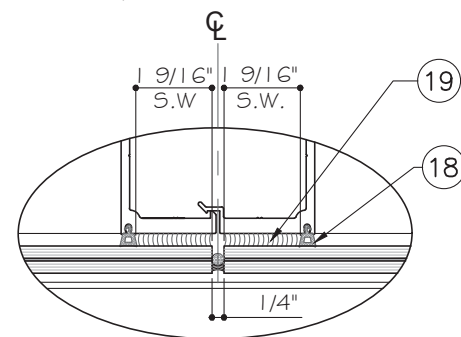
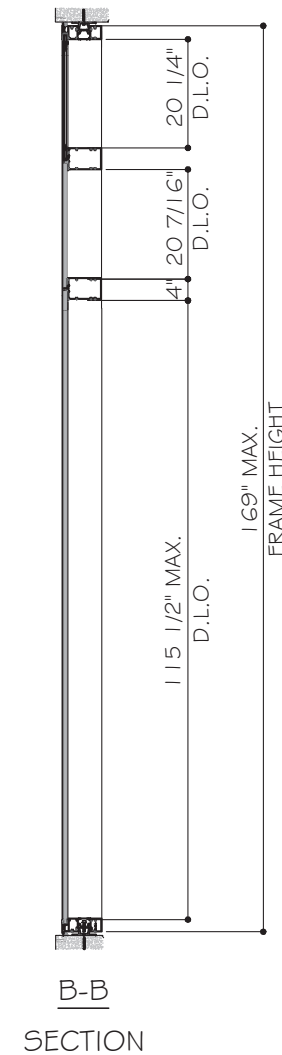
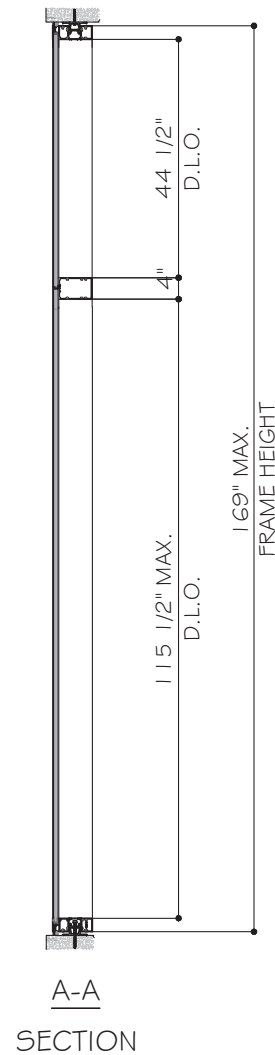
DRAWING NO.
AD20-24

1 OF 09

SEE SHEETS A1 FOR
ANCHOR OPTION
CAPACITIES
HEAD/ SILL



TYPICAL EXTERIOR ELEVATION



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

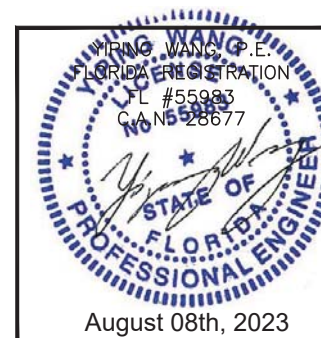
MAX. DESIGN LOADS PER GLASS AREA				
MAX. GLASS AREA (FT ²)	DESIGN LOADS (PSF)			
	G1		G2	
	+	-	+	-
37.69	120	150	120	120

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

MAX. DESIGN LOADS PER SILICONE WIDTH		
MULLION SPACING	DESIGN LOADS (PSF)	
(IN)	+	-
51"	120	150

ALUMINUM PANEL		
D.L.O. W.	D.L.O. H.	Pd ALLOW.
47"	20 1/4"	+/- 120 PSF

FOR SIZE DIFFERENT THAN SHOWN
TO BE ENGINEERED SEPARATELY.



REVISIONS		
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MIRAMAR, FL 33027

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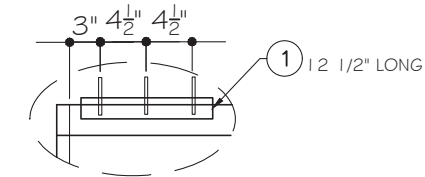
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DRAWING NO.
AD20-24

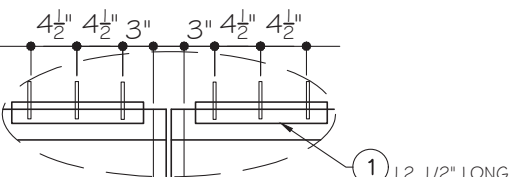
2 OF 09

ANCHOR CAPACITY - PSP								
NOMINAL DIMENSIONS		HEAD/SILL ANCHOR						
FRAME HEIGHT (in)	MULLION WIDTH (in)	A3	A4	A3	A4	B3	B4/C3	D3
		(3ksi)		(4ksi)		(4 ksi)	(4 ksi)	STL
96	30	150	150	150	150	150	150	150
	36	150	150	150	150	150	150	150
	42	150	150	150	150	150	150	150
	48	150	150	150	150	150	150	150
	54	139	150	150	150	150	150	150
	60	125	150	136	150	150	150	150
102	30	150	150	150	150	150	150	150
	36	150	150	150	150	150	150	150
	42	150	150	150	150	150	150	150
	48	148	150	150	150	150	150	150
	54	131	150	142	150	150	150	150
	60	118	150	128	150	150	150	150
108	30	150	150	150	150	150	150	150
	36	150	150	150	150	150	150	150
	42	150	150	150	150	150	150	150
	48	139	150	150	150	150	150	150
	54	124	150	134	150	150	150	150
	60	111	149	121	150	150	150	150
114	30	150	150	150	150	150	150	150
	36	150	150	150	150	150	150	150
	42	150	150	150	150	150	150	150
	48	132	150	143	150	150	150	150
	54	117	150	127	150	150	150	150
	60	106	141	114	150	143	150	150
120	30	150	150	150	150	150	150	150
	36	150	150	150	150	150	150	150
	42	143	150	150	150	150	150	150
	48	125	150	136	150	150	150	150
	54	111	149	121	150	150	150	150
	60	100	134	108	145	136	150	150
126	30	150	150	150	150	150	150	150
	36	150	150	150	150	150	150	150
	42	136	150	148	150	150	150	150
	48	119	150	129	150	150	150	150
	54	106	142	115	150	143	150	150
	60	96	127	103	138	129	150	150
132	30	150	150	150	150	150	150	150
	36	150	150	150	150	150	150	150
	42	130	150	141	150	150	150	150
	48	114	150	123	150	150	150	150
	54	101	135	110	146	137	150	150
	60	91	122	99	131	123	150	150
138	30	150	150	150	150	150	150	150
	36	145	150	150	150	150	150	150
	42	125	150	135	150	150	150	150
	48	109	145	118	150	147	150	150
	54	97	129	105	140	131	150	150
	60	87	116	94	126	118	150	150

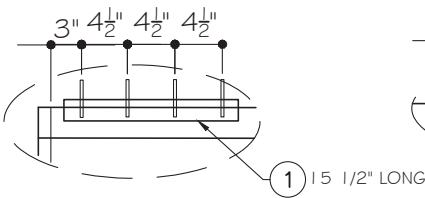
ANCHOR CAPACITY - PSP								
NOMINAL DIMENSIONS		HEAD/SILL ANCHOR						
FRAME HEIGHT (in)	MULLION WIDTH (in)	A3	A4	A3	A4	B3	B4/C3	D3
		(3ksi)		(4ksi)		(4 ksi)	(4 ksi)	STL
144	30	150	150	150	150	150	150	150
	36	139	150	150	150	150	150	150
	42	119	150	129	150	150	150	150
	48	104	139	113	150	141	150	150
	54	93	124	100	134	126	150	150
	60	84	111	90	121	113	150	150
150	30	150	150	150	150	150	150	150
	36	134	150	145	150	150	150	150
	42	115	150	124	150	150	150	150
	48	100	134	108	145	136	150	150
	54	89	119	96	129	121	150	150
	60	80	108	87	118	109	150	150
156	30	150	150	150	150	150	150	150
	36	129	150	139	150	150	150	150
	42	110	147	119	150	149	150	150
	48	96	129	104	139	130	150	150
	54	86	114	93	124	116	150	150
	60	77	103	84	113	105	150	150
162	30	149	150	150	150	150	150	150
	36	124	150	134	150	150	150	150
	42	106	142	115	150	143	150	150
	48	93	124	100	134	126	150	150
	54	83	113	90	123	115	150	150
	60	74	102	81	112	104	150	150
168	30	143	150	150	150	150	150	150
	36	119	150	129	150	150	150	150
	42	102	136	111	148	138	150	150
	48	90	119	97	129	121	150	150
	54	80	108	87	118	109	150	150
	60	71	97	78	107	99	150	150
169	30	142	150	150	150	150	150	150
	36	119	150	128	150	150	150	150
	42	102	136	110	147	138	150	150
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	54	79	108	86	117	108	150	150
	60	70	97	77	106	98	150	150



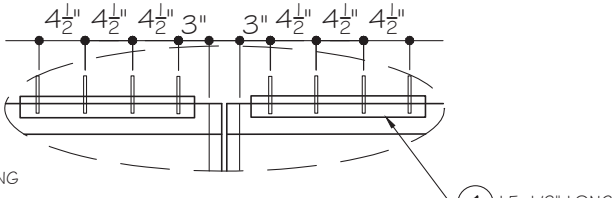
HEAD/SILL ANCHOR TYPE
"A3", "B3, C3, D3"
(3) ANCHORS AT EACH
SIDE OF JAMB



HEAD/SILL ANCHOR TYPE
"A3", "B3, C3, D3"
(3) ANCHORS AT EACH
SIDE OF MULLION



HEAD/SILL ANCHOR TYPE
"A4, B4"
(4) ANCHORS AT EACH
SIDE OF JAMB



HEAD/SILL ANCHOR TYPE
"A4, B4"
(4) ANCHORS AT EACH
SIDE OF MULLION

TYPICAL ANCHORS:

- A3 - (3) ANCHORS TYPE "A" AT EACH SIDE OF JAMB/MULLION
A4 - (4) ANCHORS TYPE "A" AT EACH SIDE OF JAMB/MULLION
B3 - (3) ANCHORS TYPE "B" AT EACH SIDE OF JAMB/MULLION
B4 - (4) ANCHORS TYPE "B" AT EACH SIDE OF JAMB/MULLION
C3 - (3) ANCHORS TYPE "A" AT EACH SIDE OF JAMB/MULLION
D3 - (3) ANCHORS TYPE "A" AT EACH SIDE OF JAMB/MULLION

-TYPICAL ANCHORS: (SEE ELVEVATIONS FOR SPACING)

- A) 5/16" DIA. 'DEWALT' ULTRACON (Fu = 177 KSI, Fy = 155 KSI)
2" MIN. EMBED INTO CONCRETE (3 KSI MIN I)
- B) 3/8" DEWALT SCREW BOLT
2" MIN. EMBED INTO CONCRETE (4 KSI MIN I)
- C) 1/2" DEWALT SCREW BOLT
2 1/2" MIN. EMBED INTO CONCRETE (4 KSI MIN I)
- D) 5/16" DIA. 'ELCO' TEKS INTO METAL STRUCTURE (Fu = 120 KSI, Fy = 92 KSI)
STEEL: 3/16" MIN. THK. A36 MIN.
STEEL IN CONTACT WITH ALUMINUM TO BE PAINTED)

ANCHOR EDGE DISTANCE
INTO CONCRETE = 3 1/2" MIN.
INTO METAL = 1" MIN.

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



REVISIONS		DESCRIPTION
NO.	DATE	
1	08.08.23	FEC 2023

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MIRAMAR, FL 33027

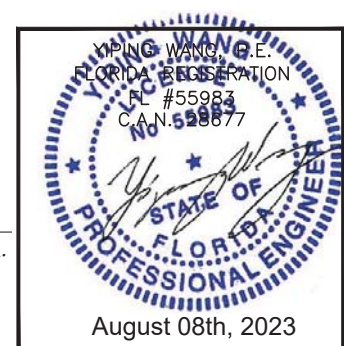
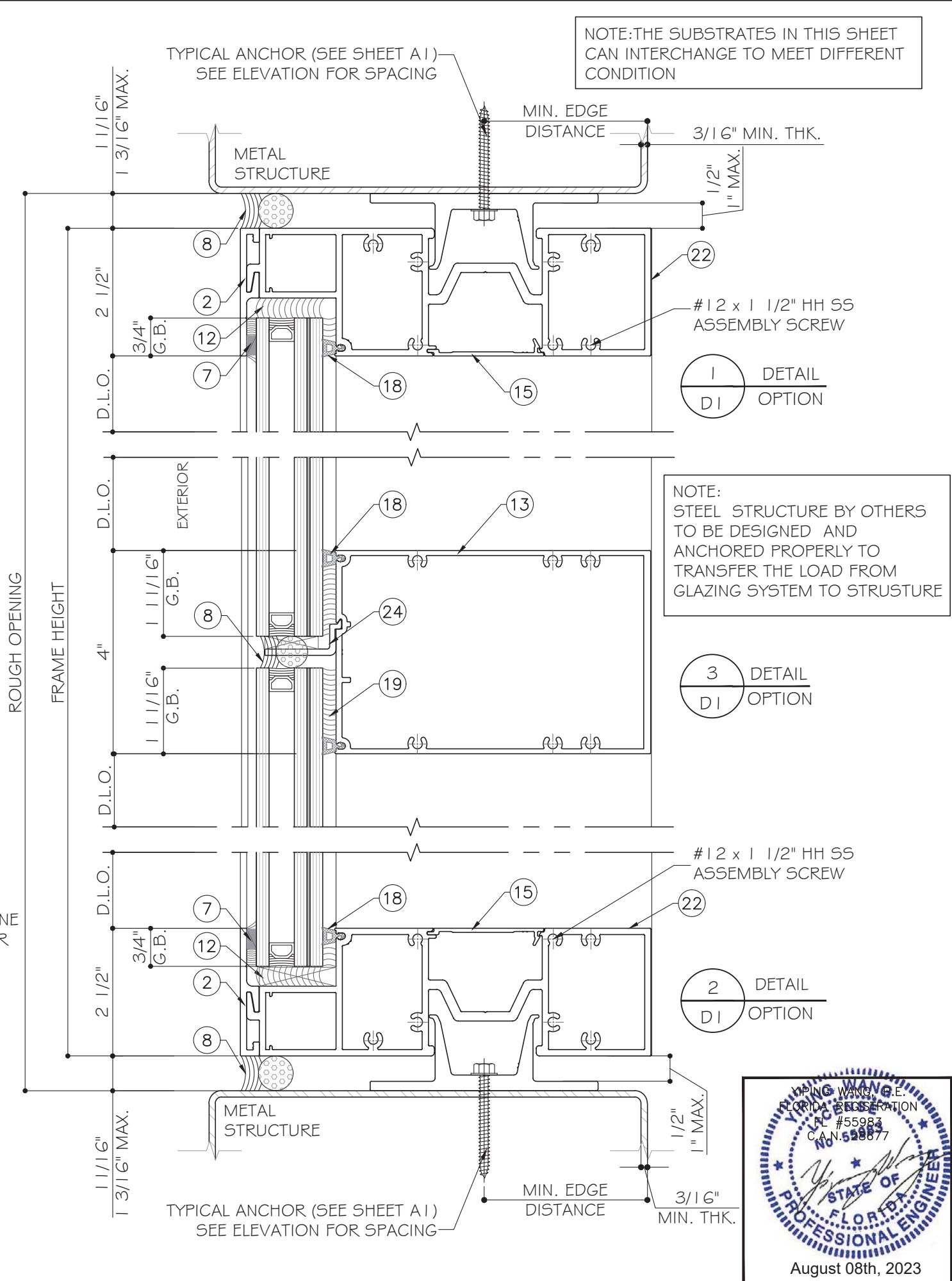
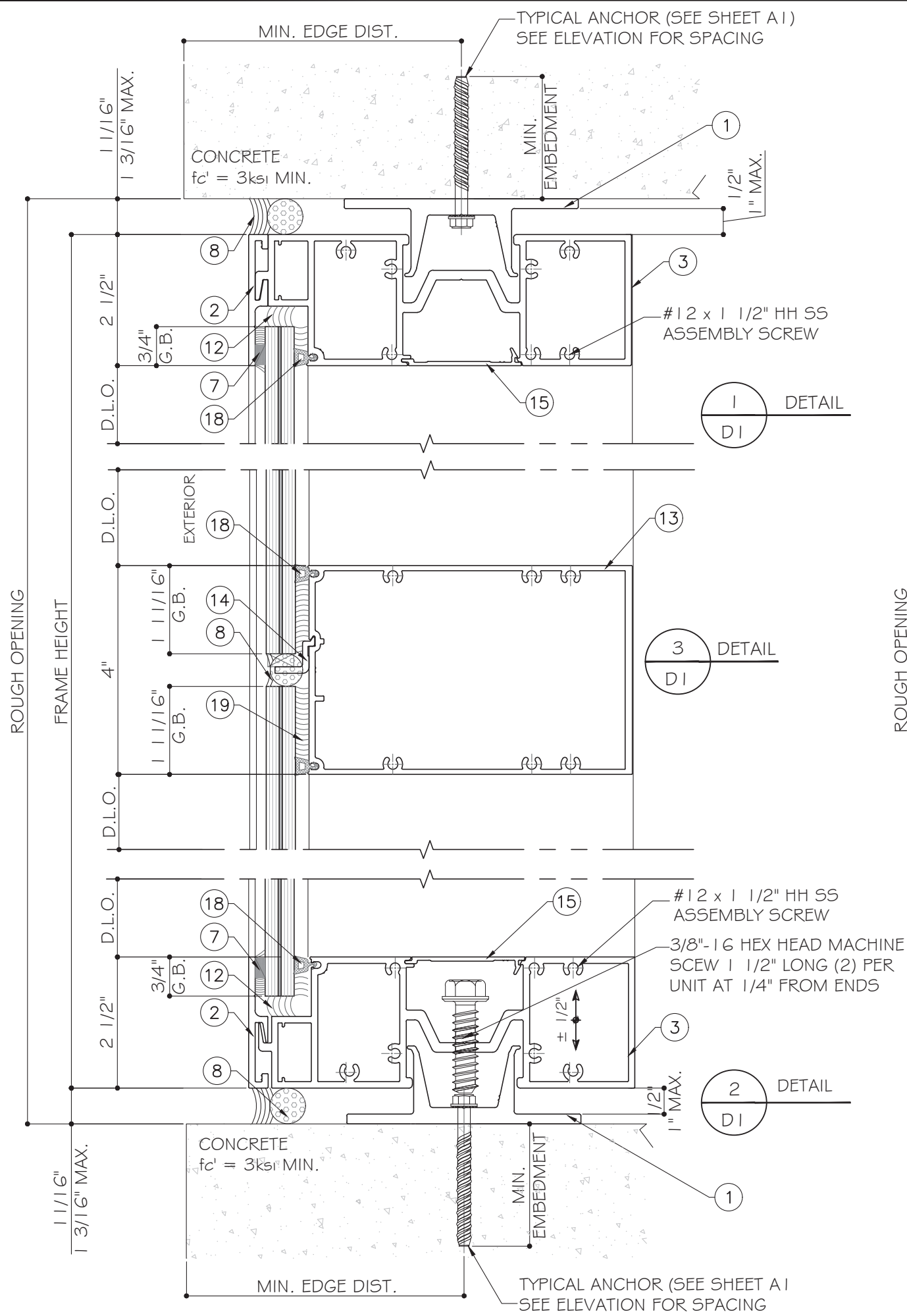
www.MCYEngineering.com MCY@MCYENGINEERING.COM

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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#19959.3	
DATE	08.08.2023
SCALE	AS NOTED
DRAWN	James AS SHOWN
PROJECT	16-052
A1	
DRAWING NO. AD20-24	
03 OF 09	



REVISIONS		
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1	08.08.23	FBC 2023

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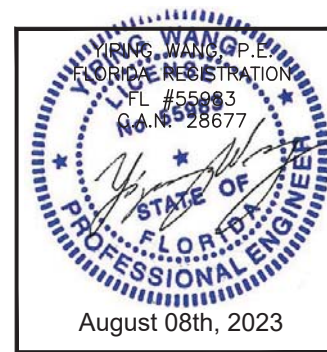
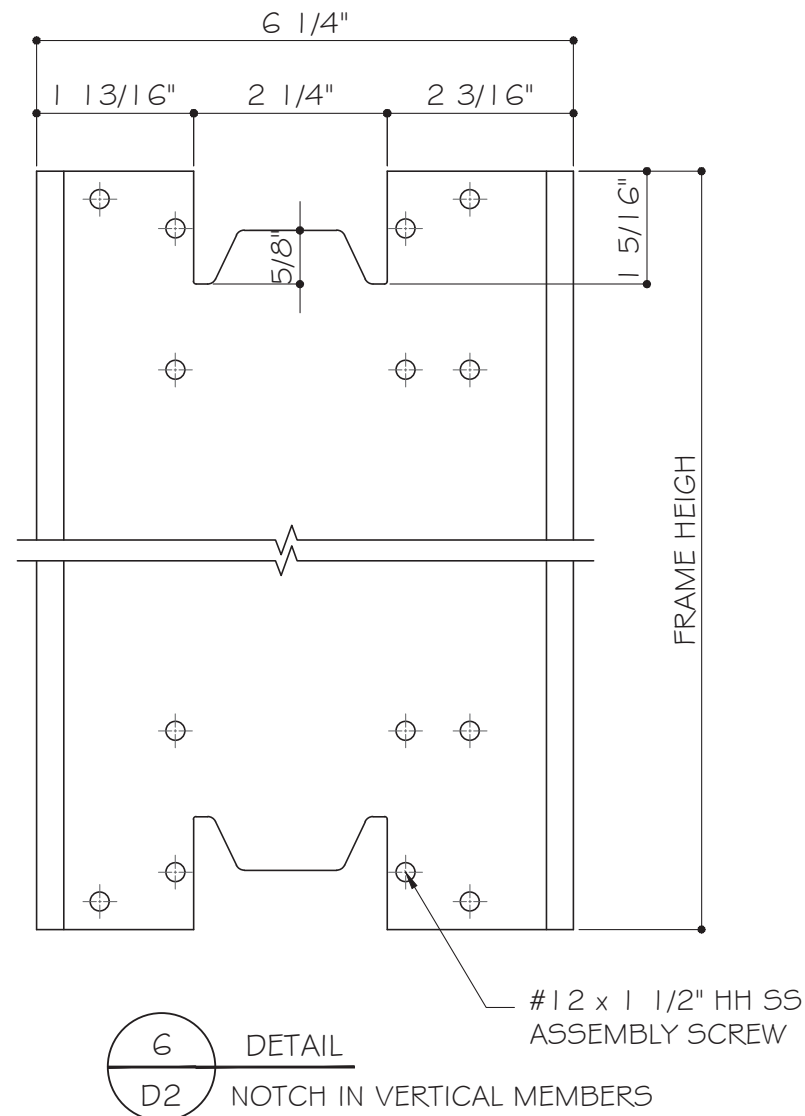
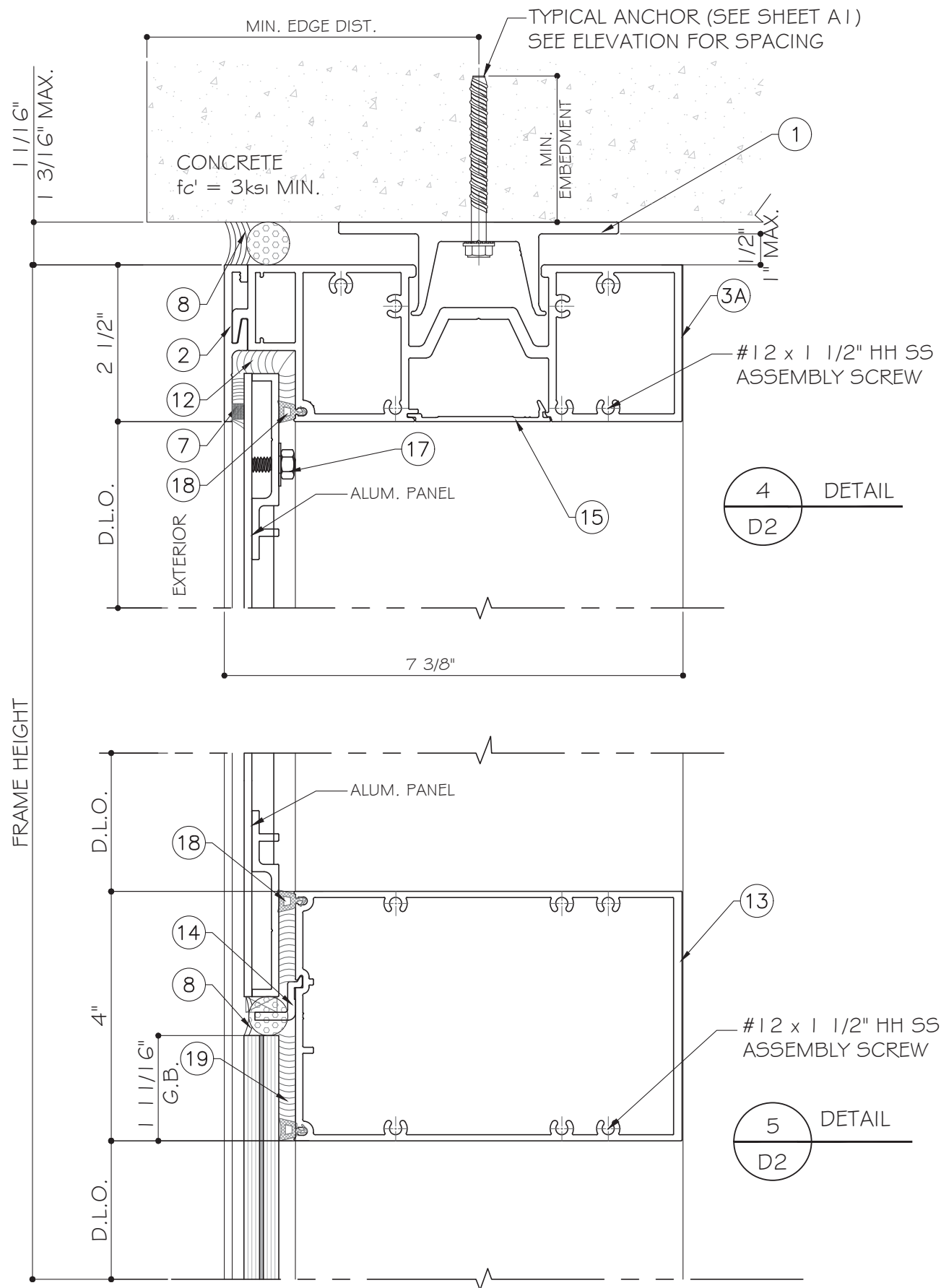
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DATE	08.08.2023
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PROJECT	16-052
D1	
DRAWING NO. AD20-24	
04 OF 09	

FRAME HEIGHT



REVISIONS	
NO.	DATE
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	DESCRIPTION
	FBC 2023

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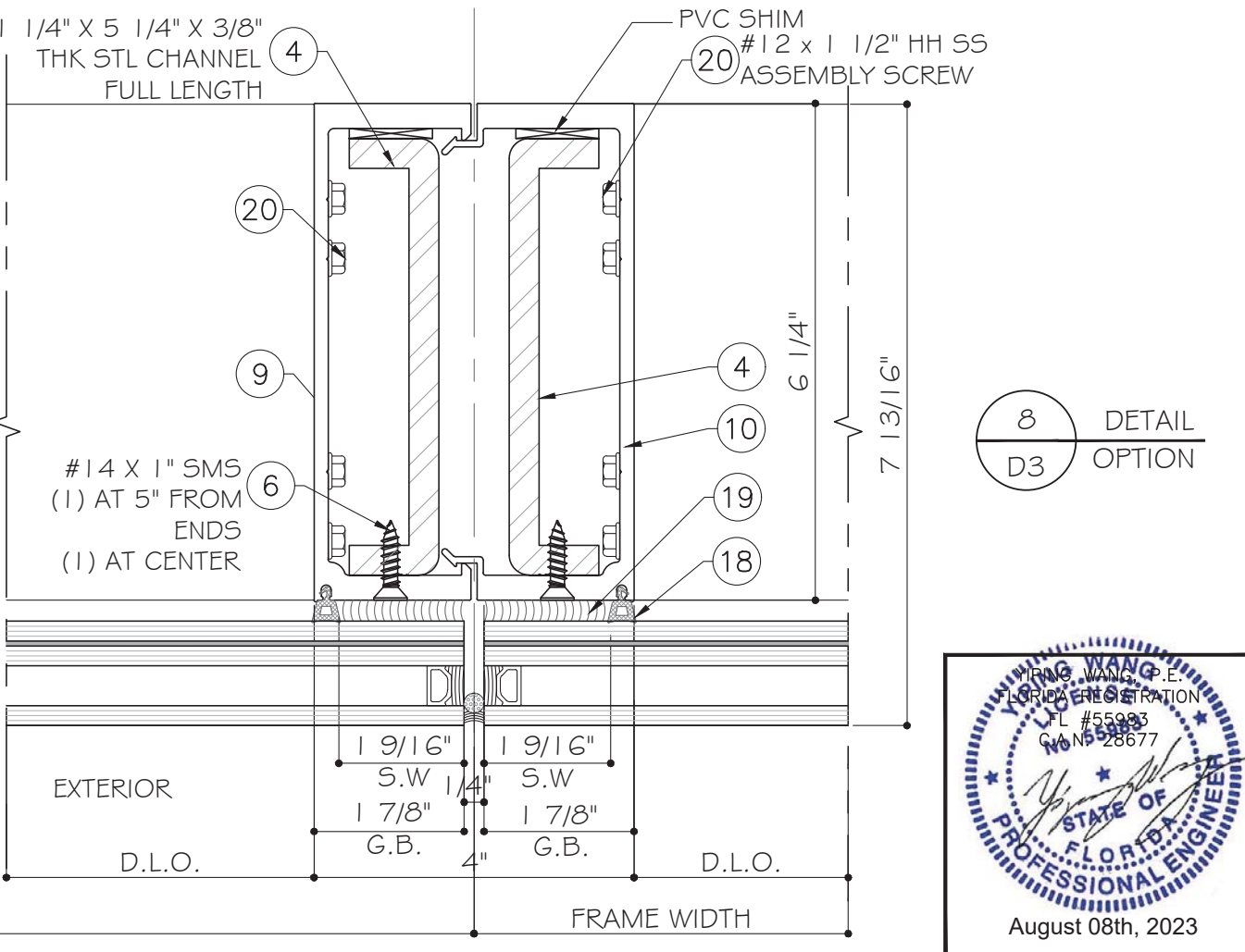
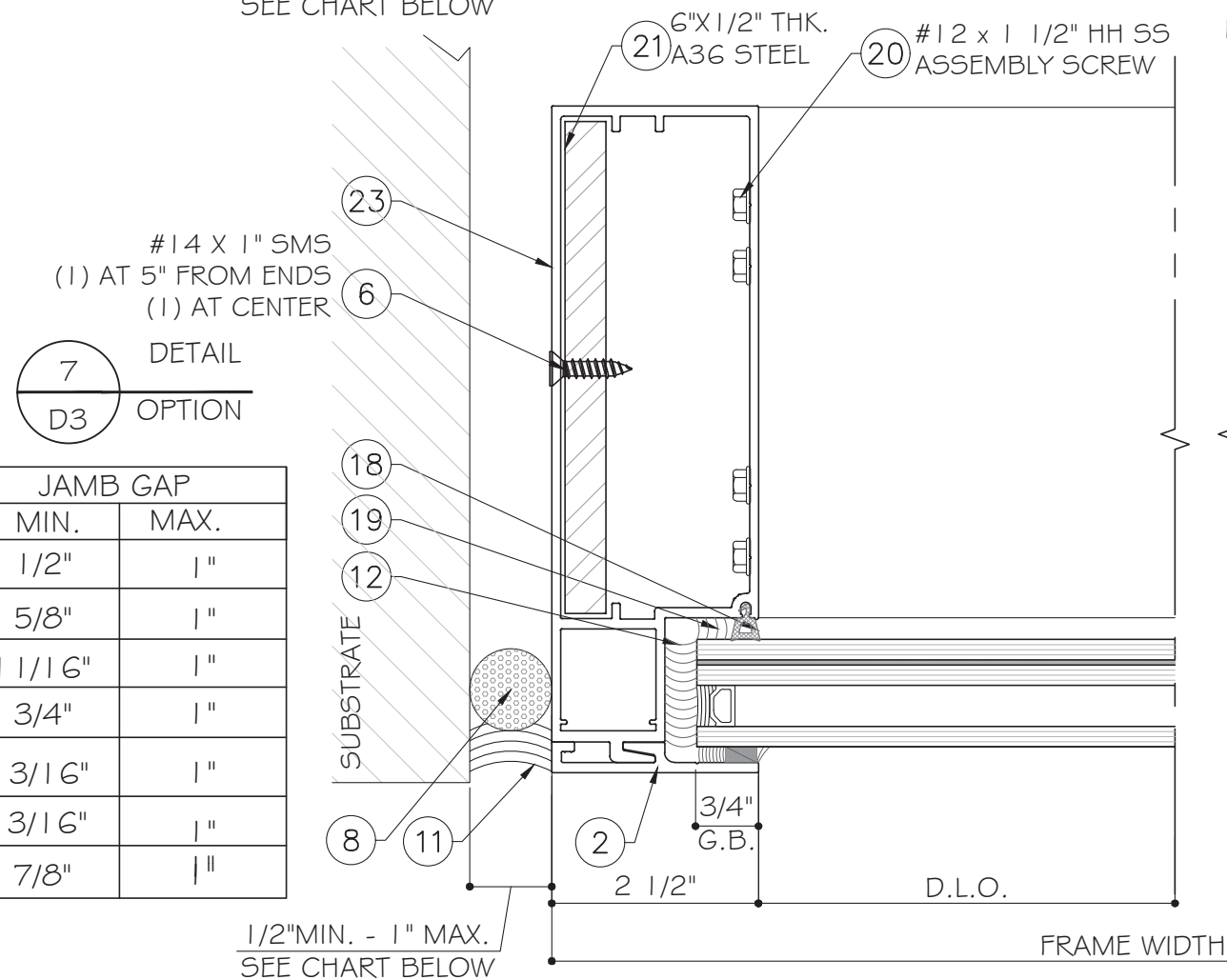
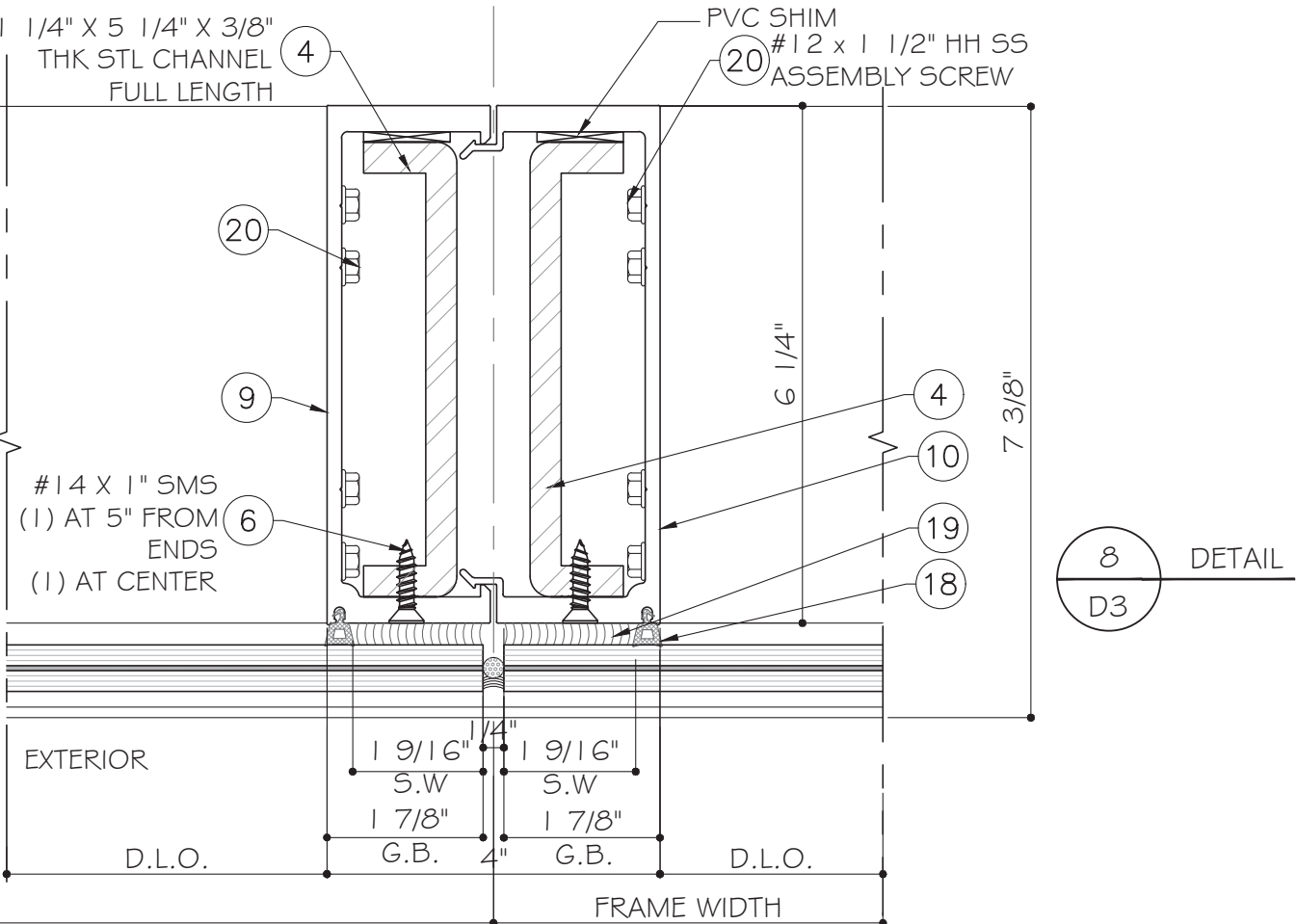
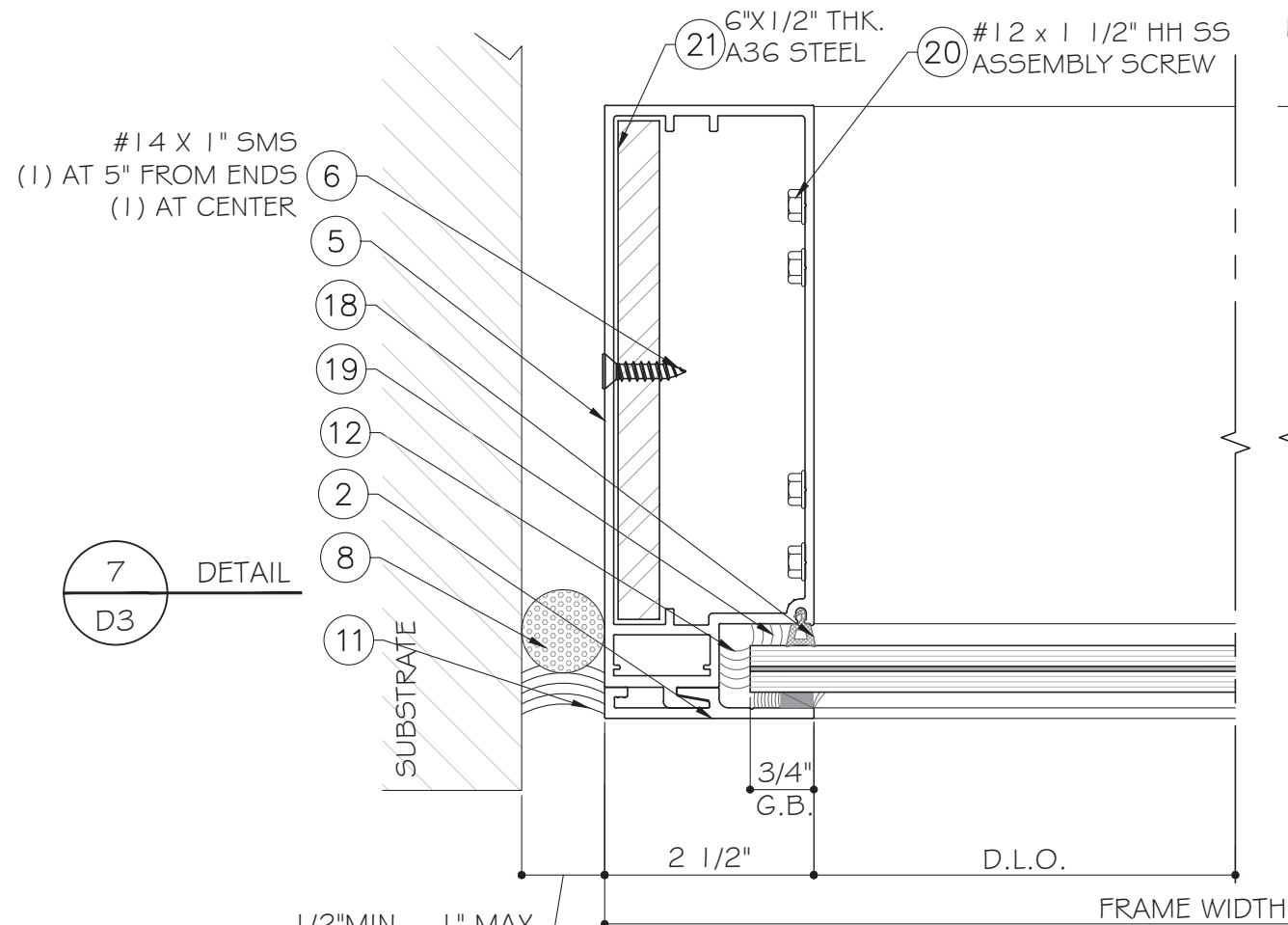
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DATE	08.08.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	16-052

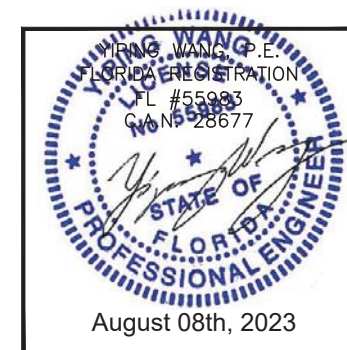
D2

DRAWING NO.
AD20-24

05 OF 09



FRAME HEIGHT	JAMB GAP	
	MIN.	MAX.
96"	1/2"	1"
120"	5/8"	1"
132"	1 1/16"	1"
144"	3/4"	1"
156"	13/16"	1"
162"	13/16"	1"
169"	7/8"	1"



NO.	DATE	DESCRIPTION
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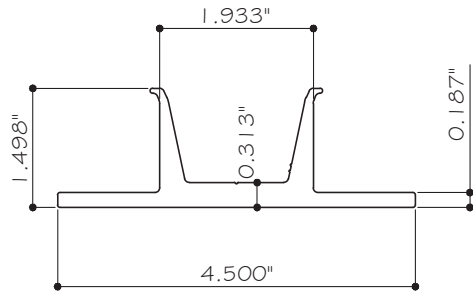
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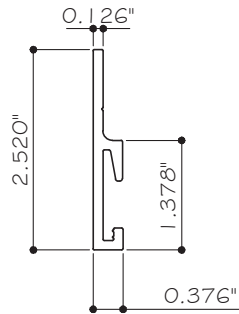
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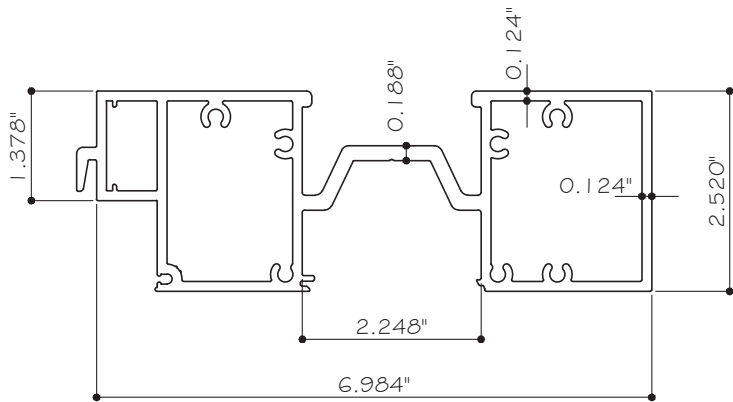
FL#19959.3
DATE 08.08.2023
SCALE AS NOTED
DRAWN James
PROJECT 16-052
D3
DRAWING NO. AD20-24
06 OF 09



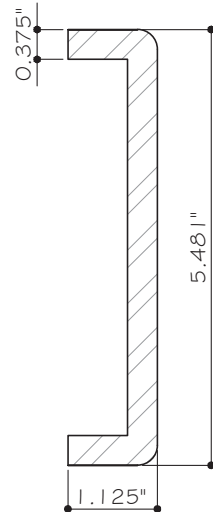
① SLEEVE ANCHOR
21022 6061-T6



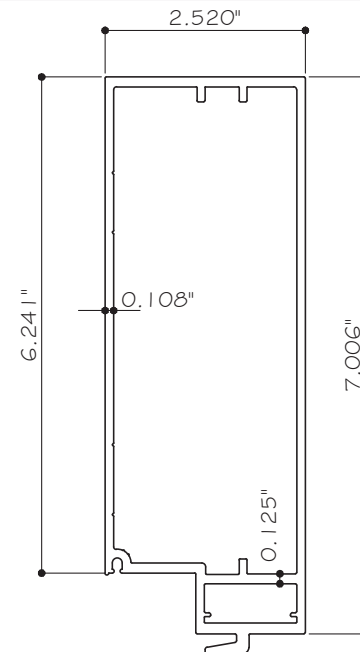
② EXTERIOR CAP FOR WW
21001 6063-T6



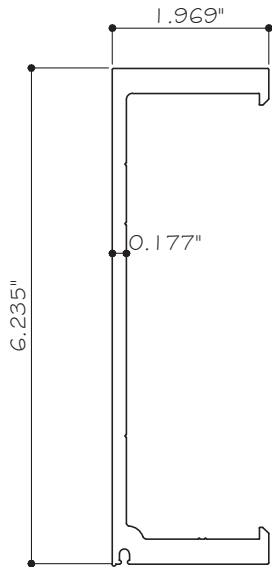
③ FRAME HEAD / SILL
21021 6063-T6



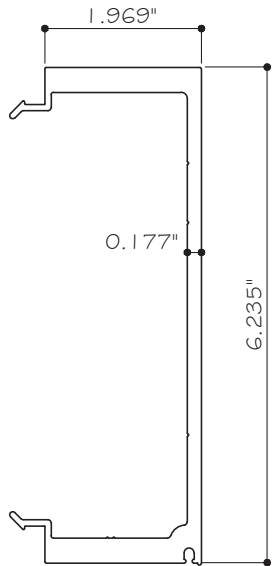
④ STEEL REINFORCING CHANNEL
1 1/4" x 5 1/4" x 3/8" THK. (A36)



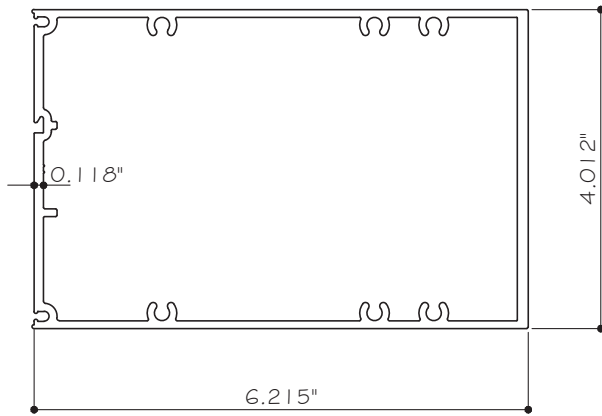
⑤ FRAME JAMB FOR WW
21023 6063-T6



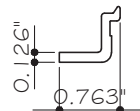
⑨ SPLIT MULLION 4" (FEMALE)
21008 6063-T6



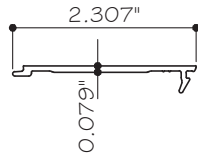
⑩ SPLIT MULLION 4" (MALE)
21009 6063-T6



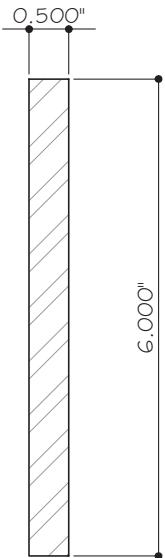
⑬ 4" HORIZONTAL MULLION FOR WW
21012 6063-T6



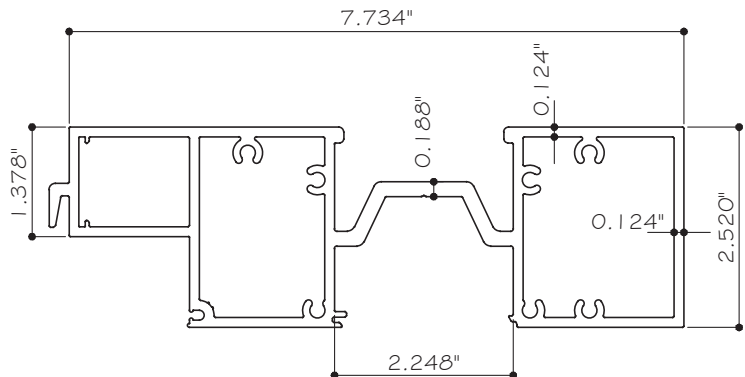
⑭ SNAP ON GLASS EXTENSION
11012 6063-T6



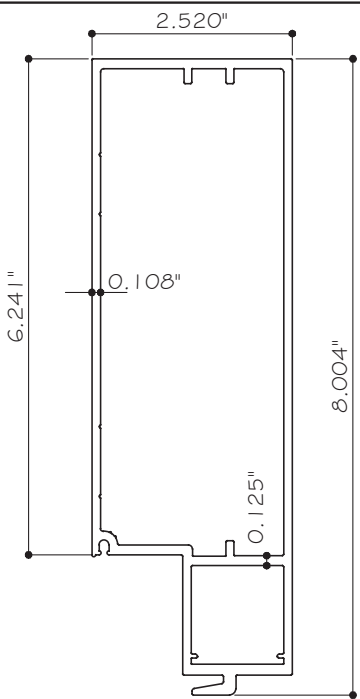
⑮ SNAP ON COVER
64010 6063-T6



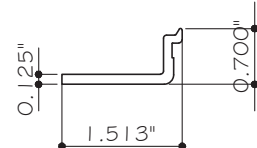
⑳ STEEL BAR REINFORCING
1 1/4" x 1/2" THK. (A36)



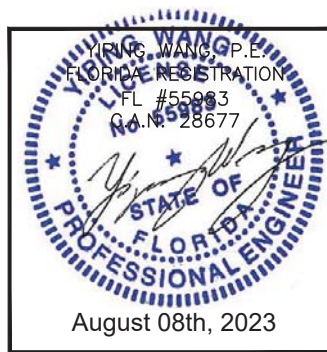
㉒ FRAME HEAD / SILL
6063-T6



㉓ FRAME JAMB FOR WW
6063-T6



㉔ SNAP ON GLASS EXTENSION
11013 6063-T6



REVISIONS		NO.	DATE	DESCRIPTION
		1	08.08.23	FBC 2023

MCY ENGINEERING, INC.
GLAZING CONSULTANTS

MCY

12781 MIRAMAR PKWY. STE 301 P. 305.271.0117
MIRAMAR, FL 33027

www.MCYEngineering.com MCY@MCYENGINEERING.COM

SERIES EUSA-WW40 WINDOW WALL SYSTEM LAM. GLASS - 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#19959.3

DATE	08.08.2023
SCALE	AS NOTED
DRAWN	James
PROJECT	16-052

PARTS

DRAWING NO.

AD20-24

07 OF 09

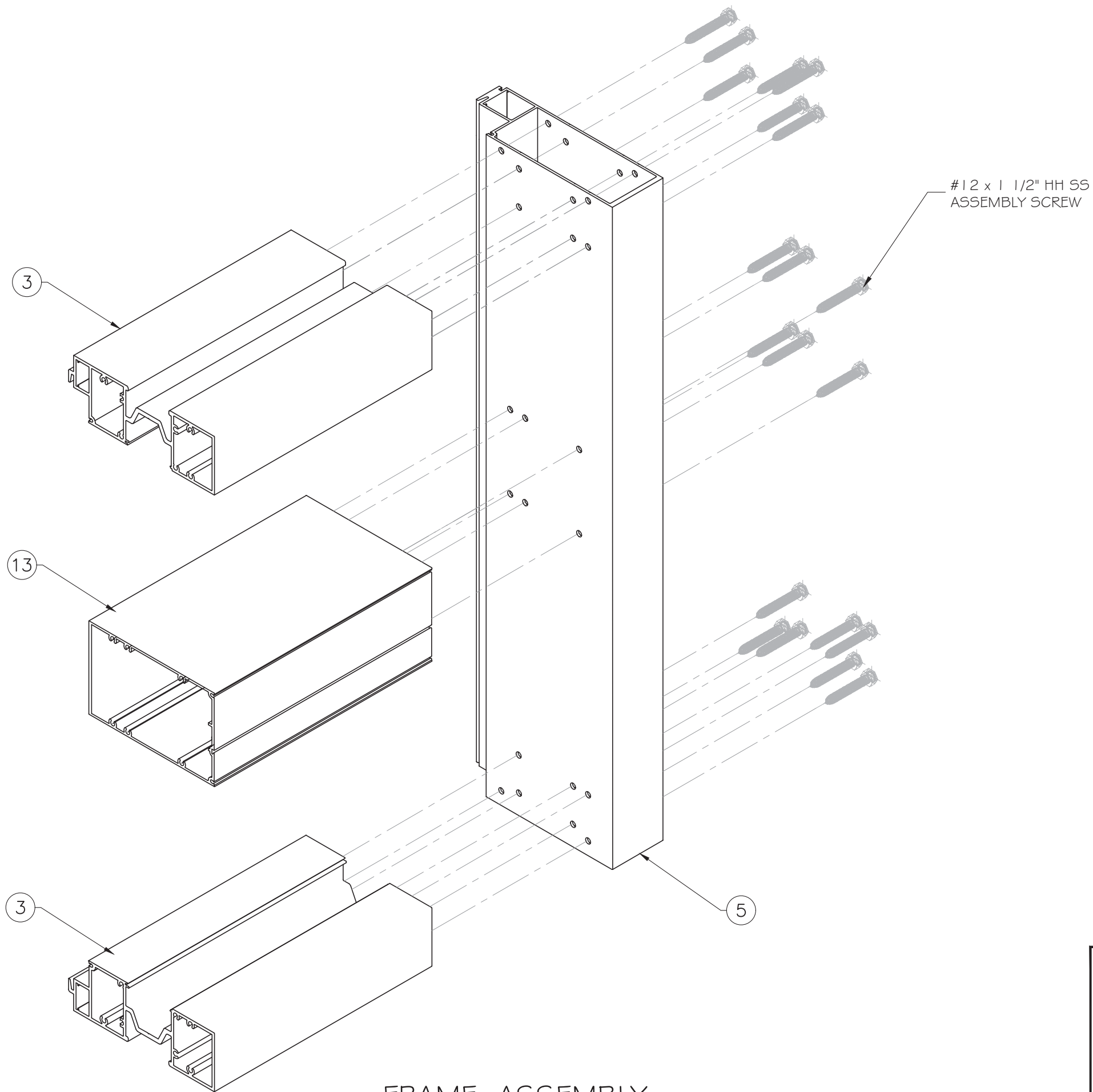
BILL OF MATERIALS				
ITEM	PART	DESCRIPTION	MATERIAL	MANUF. / REMARKS
1	21022	SLEEVE ANCHOR	ALUM. 6061-T6	METRA ALUM INC.
2	21001	EXTERIOR CAP	ALUM. 6063-T6	METRA ALUM INC.
3	21021	FRAME HEAD W/O SNAP ON COVER	ALUM. 6063-T6	METRA ALUM INC.
4	-	STEEL REINFORCING CHANNEL 1 1/4" x 5 1/4" x 3/8" THK.	STEEL A36	-
5	21023	FRAME JAMB	ALUM. 6063-T6	METRA ALUM INC.
6	-	#14 x 1" FLAT HEAD SCREW	STAINLESS STEEL	-
7	-	POLYSHIM 1/4" THICK X 1/2" LONG	-	
8	-	BACKER ROD & SEALANT DC 790	SILICONE	-
9	21008	FEMALE SPLIT MULLION	ALUM. 6063-T6	METRA ALUM INC.
10	21009	MALE SPILT MULLION	ALUM. 6063-T6	METRA ALUM INC.
11	-	SEALANT SPRECTREM 2 OR DC 795	SILICONE	-
12	-	SEALANT SPRECTREM 2 OR DC 795 (6" LONG @ CORNER)	SILICONE	-
13	21012	4" HORIZONTAL MULLION FOR WW	ALUM. 6063-T6	METRA ALUM INC.
14	11012	SNAP ON GLASS EXTENSION 4" LG AT 1/4 POINTS	ALUM. 6063-T6	METRA ALUM INC.
15	64010	SNAP ON COVER	ALUM. 6063-T6	METRA ALUM INC.
17	-	WELDED STUD 1/4-20 x 3/4" LONG WITH NUT (SEE EXACT LOCATIONS ON ELEVATION)	EPDM - DURO 70	-
18	90006	GASKET - TREMCO	EPDM -DURO 70	TREMCO
19	-	PROGLAZE II (TREMCO), DOWSIL 983 OR GE 4000SG	SILICONE	-
20	-	#12 HH SMS ASSAMBLY SCREW- 1 1/2" LONG	STAINLESS STEEL	-
21	-	STEEL BAR REINFORCING 6" x 1/2" THK.	STEEL A36	-
22	-	FRAME HEAD W/O SNAP ON COVER	ALUM. 6063-T6	METRA ALUM INC.
23	-	FRAME JAMB	ALUM. 6063-T6	METRA ALUM INC.
24	11013	SNAP ON GLASS EXTENSION 4" LG AT 1/4 POINTS	ALUM. 6063-T6	METRA ALUM INC.
25	-	SCR SETTING BLOCK	-	-
26	-	THERMOPLASTIC SPACER (KÖDISPACE 45G)	PLASTIC	KÖMMERLING

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MIRAMAR, FL 33027

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FL#19959.308 OF 09



FRAME ASSEMBLY

YONG WANG, P.E.
FLORIDA REGISTRATION
FL #55983
G.A. #28677

August 08th, 2023

REVISIONS	
NO.	DATE DESCRIPTION
1	08.08.23 DEC 2023

MCY

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