

SERIES 600 CURTAIN WALL SYSTEM LARGE AND SMALL MISSILE IMPACT (L.M.I. & S.M.I.)


GENERAL NOTES:

- THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE 6TH EDITION FLORIDA BUILDING CODE (2017) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ).
- CURTAIN WALL RATED FOR LARGE AND SMALL MISSILE IMPACT. UP TO 30 FT OF GRADE, LARGE MISSILE IMPACT SYSTEM TO BE USED. ABOVE 30 FT OF GRADE, SMALL MISSILE IMPACT SYSTEM TO BE USED.
- THIS SYSTEM IS 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 6TH EDITION FLORIDA BUILDING CODE (2017) 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 7-10, 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.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1: DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7-10 STANDARD.
- STEP 2: SEE TYPICAL ELEVATION ON SHEET E1 FOR TWO SPAN CONDITIONS. MULTIPLE SPAN CAN BE USED, TO BE CHECKED BY DELEGATED ENGINEER. SINGLE SPAN SEE E2 FOR TYPICAL ELEVATION.
- STEP 3: SEE CHART ON SHEET G1 & G2 FOR APPROVED GLASS TYPES AND DESIGN LOAD CAPACITIES BASED ON APPLICABLE WIND DURATION. SILICONE CAPACITY SEE SHEET S1. THE LOWER LOAD FROM G1, G2 AND S1 GOVERNS THE GLASS CAPACITY.
- STEP 4: CHECK MULLION AND JAMB CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET M1 TO M3 FOR SINGLE SPAN AND M4 FOR TWO OR MULTIPLE SPAN CONDITION. THE CAPACITY SHOULD EXCEED THE DESIGN LOAD.
- STEP 5: FOR SINGLE SPAN WITH ENTRANCE DOOR INSIDE FRAME, SEE E2 FOR TYPICAL SIZE AND ALLOWABLE LOAD.
- STEP 6: THE LOWEST VALUE RESULTING FROM STEPS 2, 3, 4 & 5 SHALL APPLY TO ENTIRE SYSTEM.

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	

LIMITATIONS OF USE

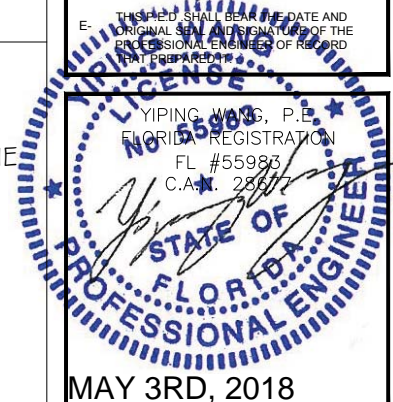
A. THIS PRODUCT EVALUATION DOCUMENT (P.E.D.) PREPARED BY THIS ENGINEER IS GENERIC AND DOES NOT PROVIDE INFORMATION FOR A SITE SPECIFIC PROJECT; i.e. WHERE THE SITE CONDITIONS DEVIATE FROM THE P.E.D.

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 BE VOID IF THE DATE AND ORIGINAL SEAL AND SIGNATURE OF THE PROFESSIONAL ENGINEER OF RECORD THAT PREPARED IT IS NOT PRESENT.

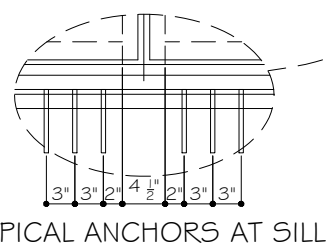
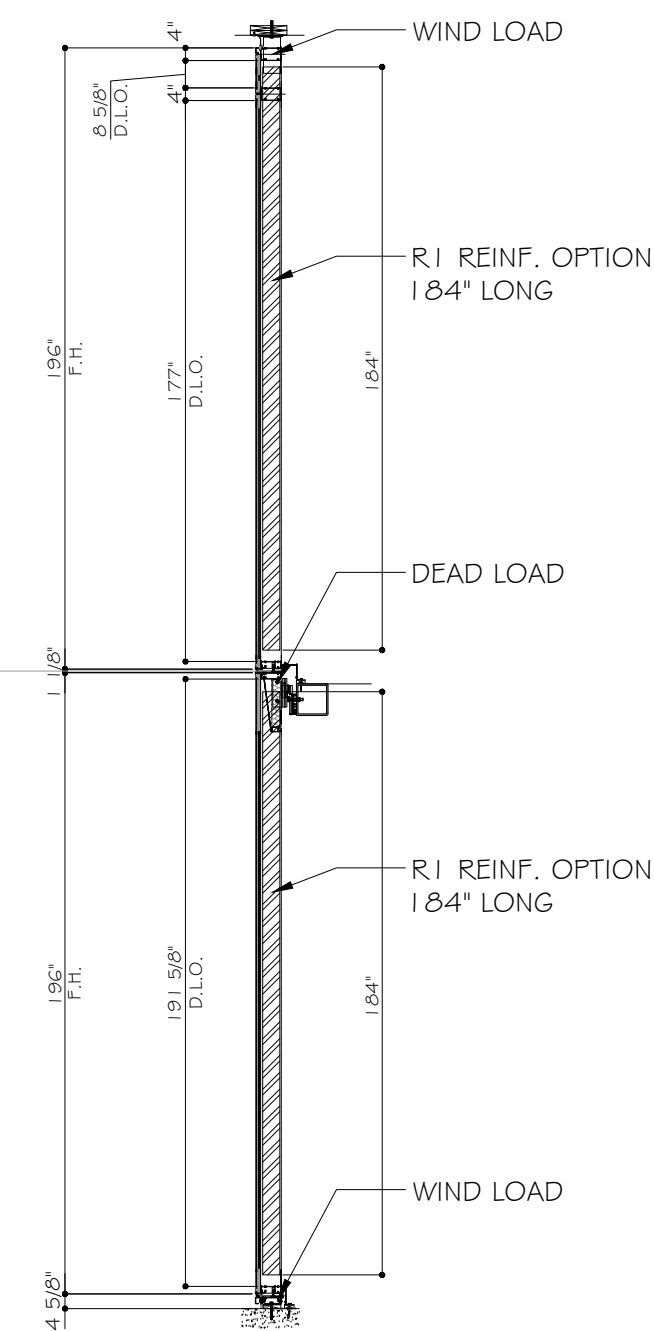
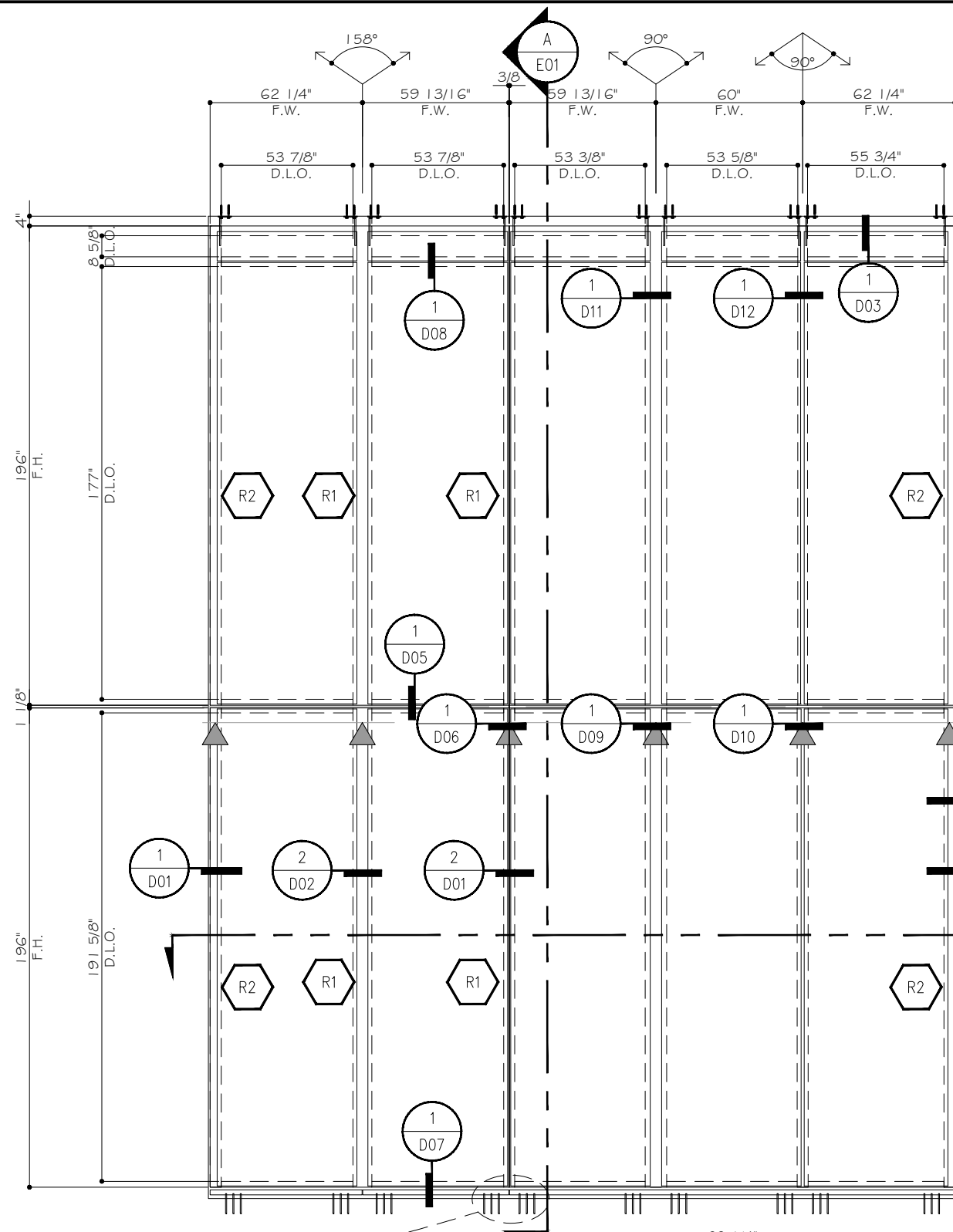


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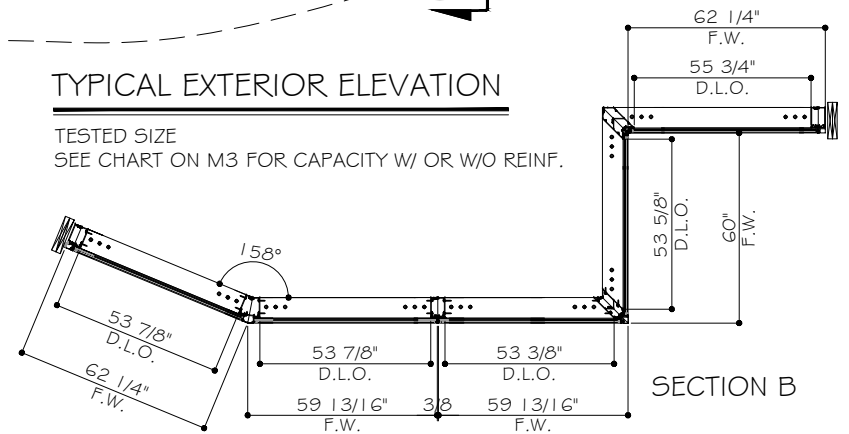
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CONTINENTAL GLASS SYSTEMS, INC.
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Sheet No. 1 OF 29			

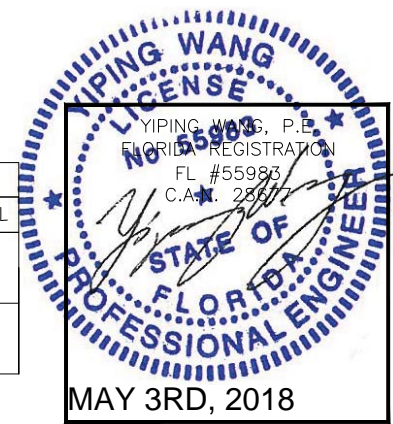


TYPICAL EXTERIOR ELEVATION

TESTED SIZE
SEE CHART ON M3 FOR CAPACITY W/ OR W/O REINF.



REINFORCING TYPES			
MARK	QTY. + SIZE	LENGTH / LOCATION	TYPE DETAIL
4 PLS R1	(2) 1/2" X 5 3/8" STEEL BAR # 1 1/2" X 5 7/8" X 1 1/2" X 3/16" THK STEEL CHANNEL	LENGTH = F.H. - 12"	R1/DO1A
4 PLS R2	1/2" X 5 3/8" STEEL BAR OR 1 1/2" X 5 7/8" X 1 1/2" X 3/16" THK STEEL CHANNEL	LENGTH = F.H. - 12"	R2/DO1A

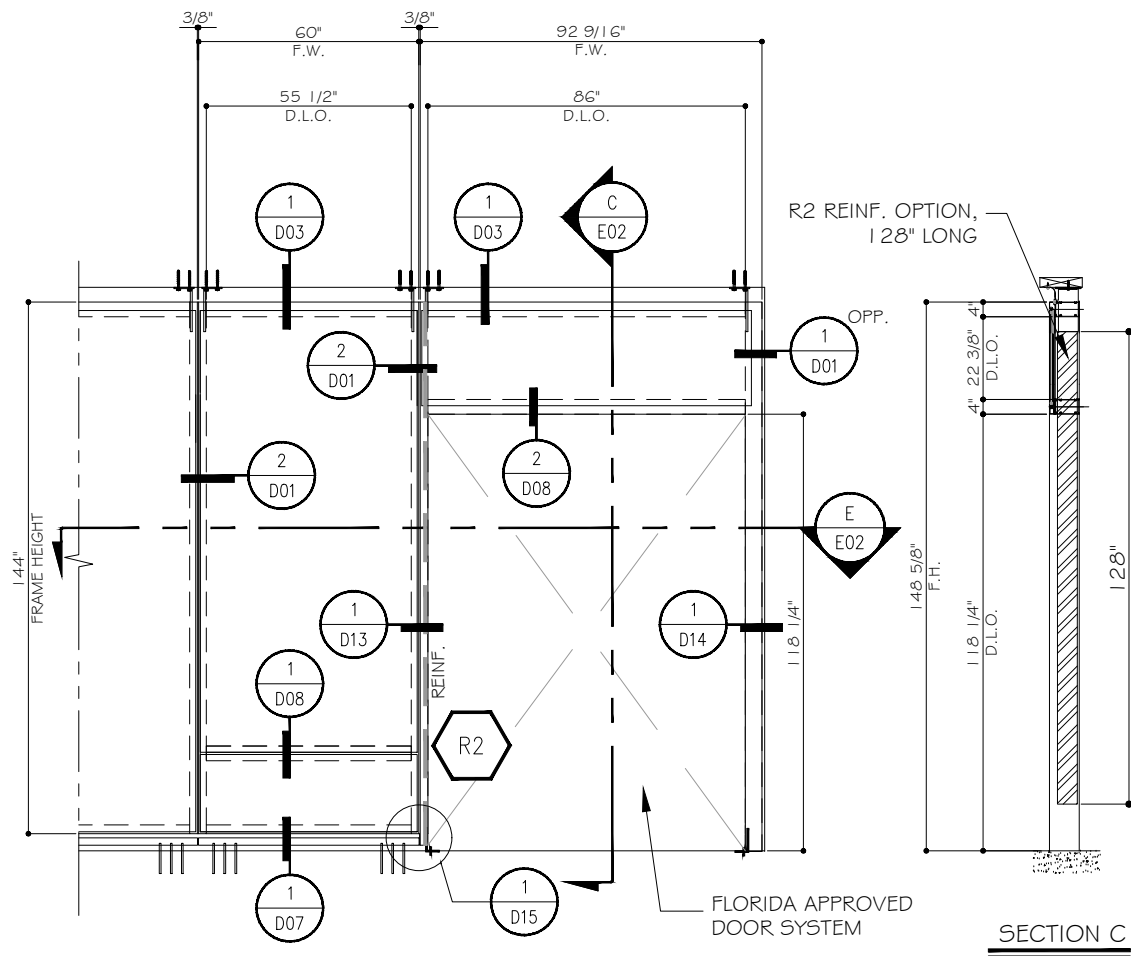


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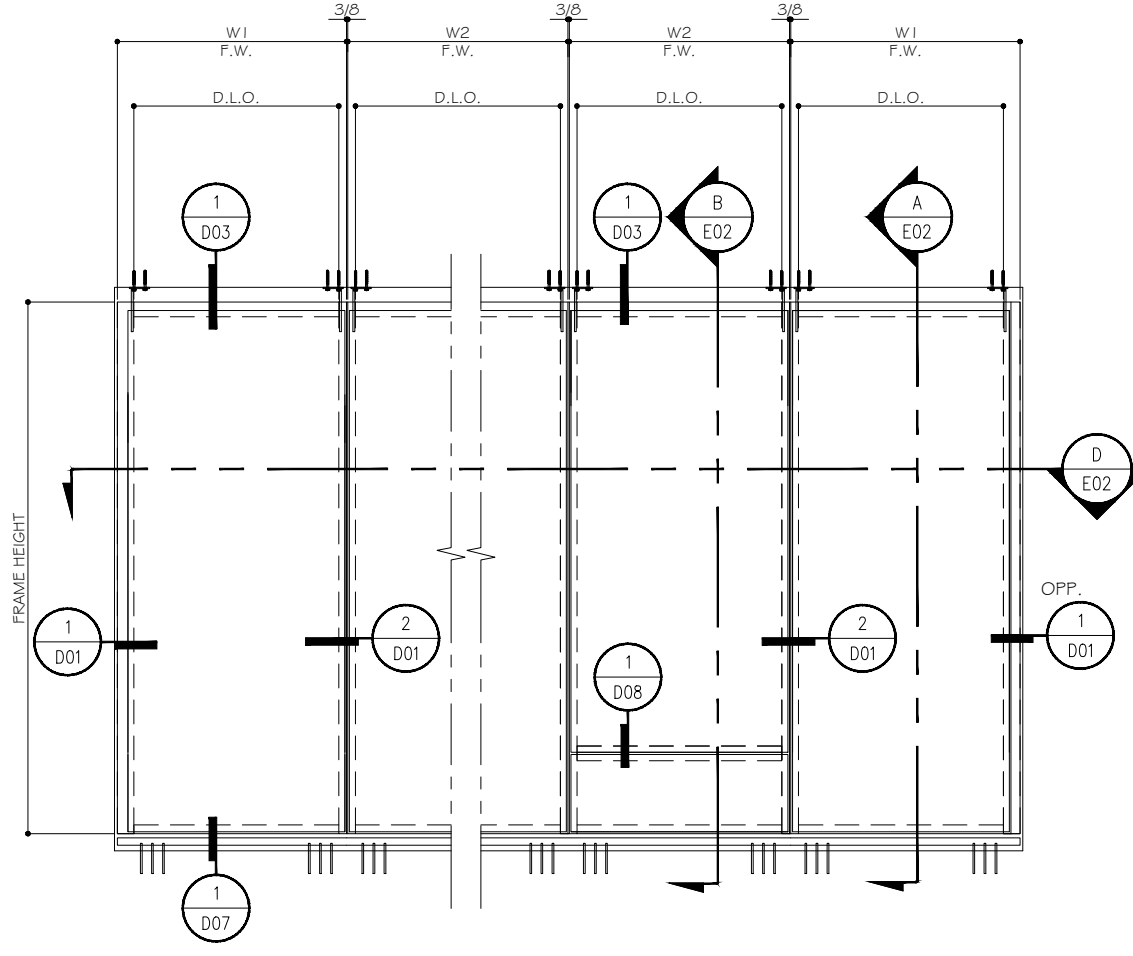
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DRAWING NO. AD18-15
Sheet No. 2 OF 29

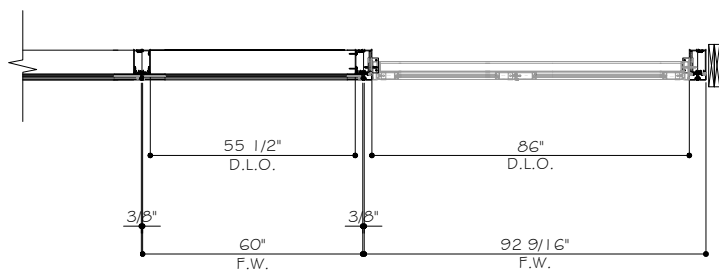
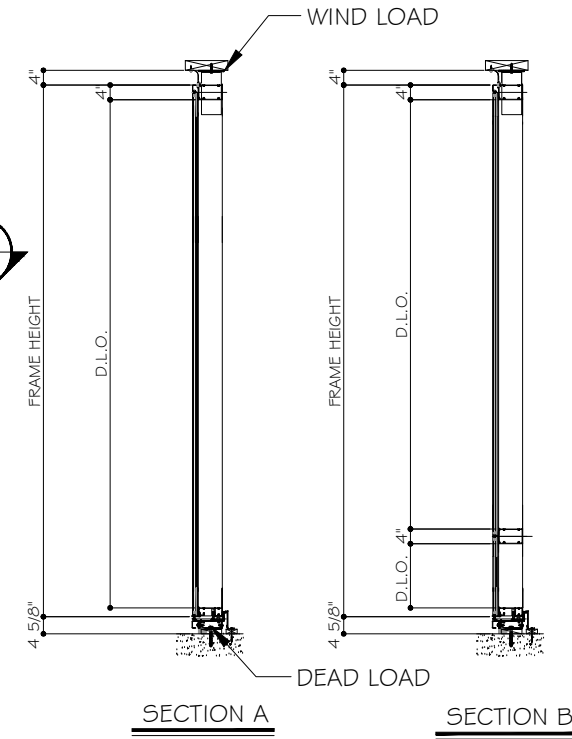


TYPICAL EXTERIOR ELEVATION W/ DOOR SYSTEM



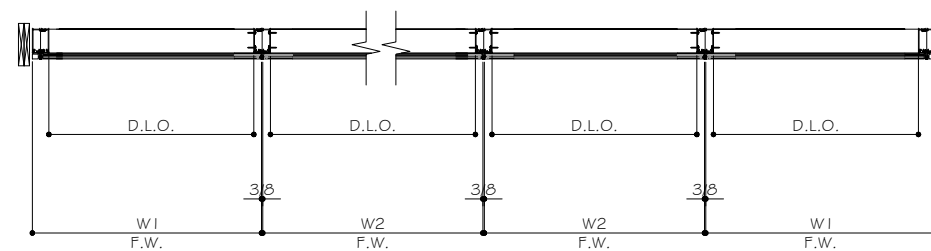
TYPICAL EXTERIOR ELEVATION W/O REINF.

SEE CHART ON SHEET M1, M2, M3 FOR SIZE & CAPACITIES



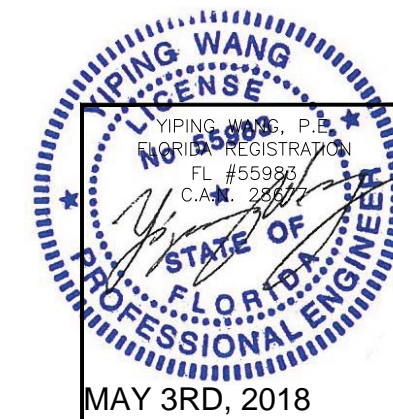
SECTION E

DESIGN LOAD
+ 110 PSF
- 110 PSF



SECTION D

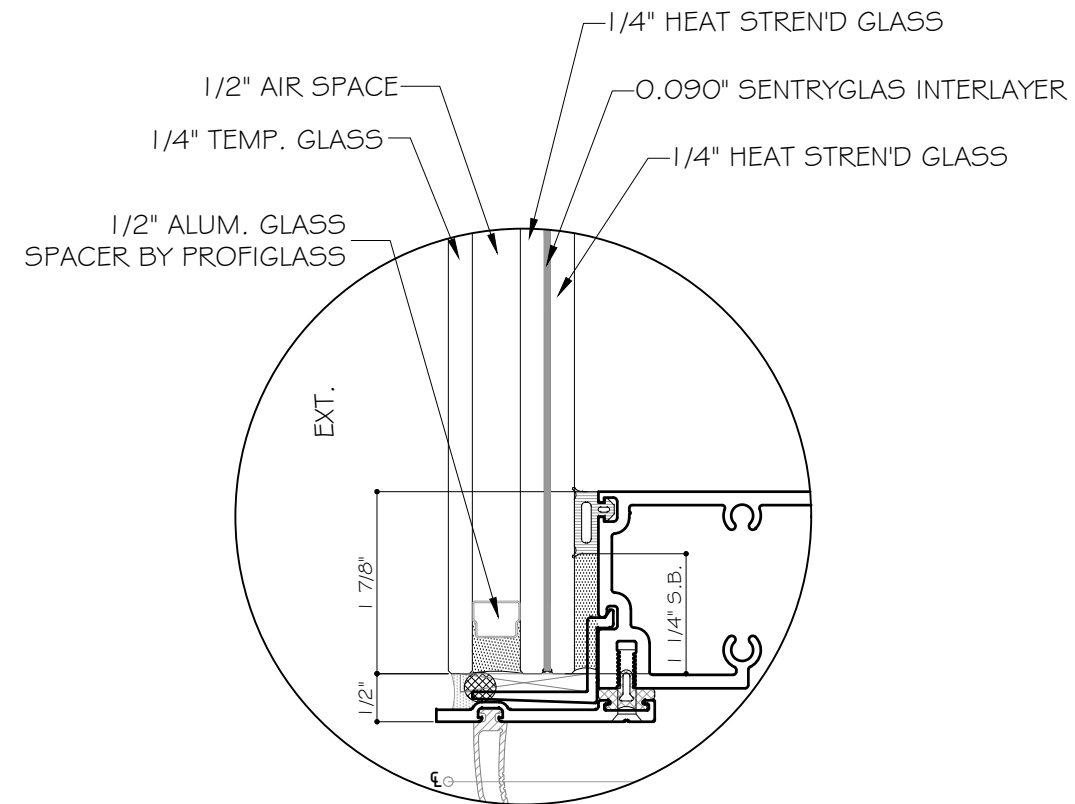
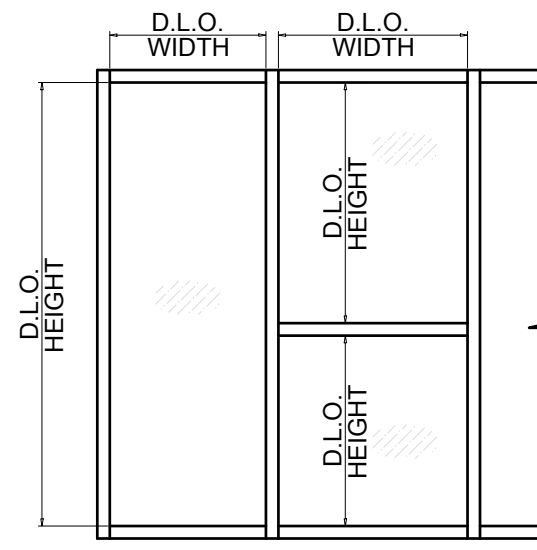
REINFORCING TYPES			
MARK	QTY. + SIZE	LENGTH / LOCATION	TYPE DETAIL
1 PLS	R2 1/2" X 5 3/8" STEEL BAR OR 1 1/2" X 5 7/8" X 1 1/2" X 3/16" THK. STL. CHANNEL	LENGTH = F.H. - 16"	R2/D01A



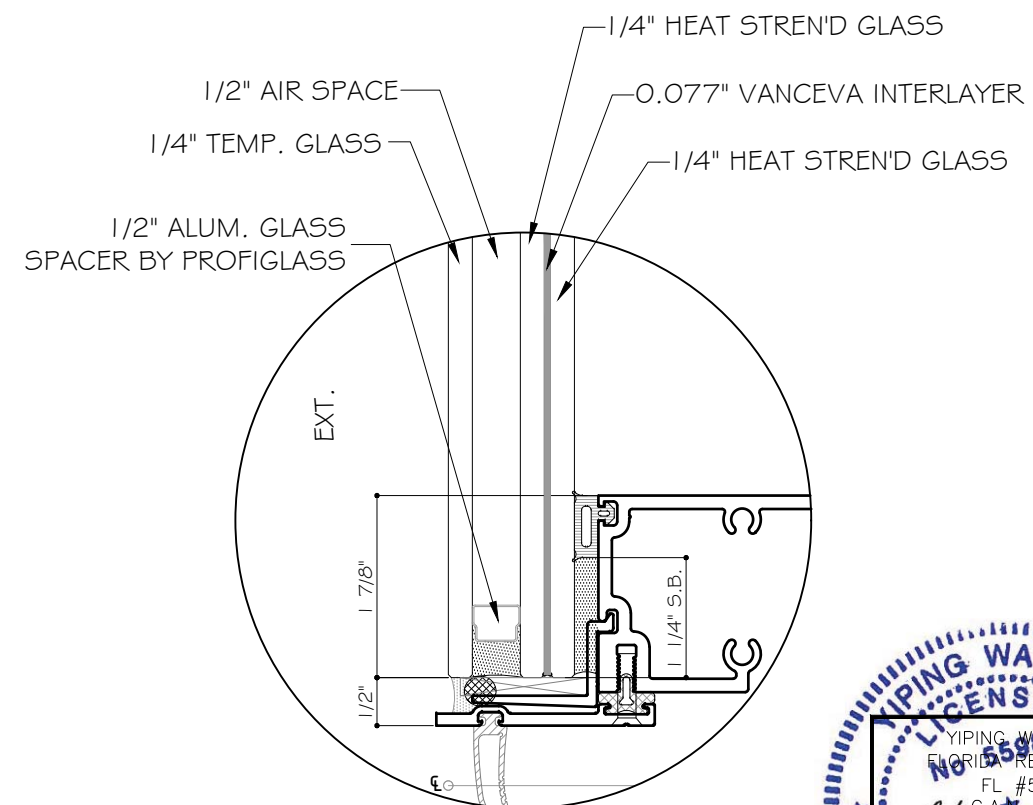
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E2	
Sheet No.	
3 OF 29	

GLASS CAPACITIES					
DAYLIGHT OPENING DIMENSION		ALLOWABLE DESIGN LOAD			
D.L.O.W. (IN)	D.L.O.H. (IN)	GL-1		GL-3	
		(+)PSF	(-)PSF	(+)PSF	(-)PSF
42	124	150	150	120	120
48		150	150	120	120
54		137	137	106	106
60		123	123	95.8	95.8
66		113	113	89.3	89.3
72		106	106	85.7	85.7
42	130	150	150	120	120
48		150	150	117	117
54		134	134	102	102
60		119	119	92	92
66		108	108	85.2	85.2
72		102	102	82.1	82.1
42	136	150	150	120	120
48		150	150	113	113
54		131	131	99.2	99.2
60		116	116	88.1	88.1
66		105	105	82.3	82.3
72		97.6	97.6	78.6	78.6
42	142	150	150	120	120
48		150	150	110	110
54		126	126	95.7	95.7
60		112	112	85.2	85.2
66		101	101	79.4	79.4
72		94	94	78.6	78.6
42	148	150	150	120	120
48		150	150	108	108
54		120	120	92.9	92.9
60		110	110	82.8	82.8
66		98	98	76.8	76.8
72		91	91	71.8	71.8
42	154	150	150	120	120
48		150	150	106	106
54		120	120	90.3	90.3
60		109	109	80.6	80.6
66		96.3	96.3	74.2	74.2
70		90.6	90.6	70.6	70.6

GLASS CAPACITIES					
DAYLIGHT OPENING DIMENSION		ALLOWABLE DESIGN LOAD			
D.L.O.W. (IN)	D.L.O.H. (IN)	GL-1		GL-3	
		(+)PSF	(-)PSF	(+)PSF	(-)PSF
42	160	150	150	120	120
48		150	150	104	104
54		120	120	87.7	87.7
60		106	106	78.4	78.4
66		93.2	93.2	71.6	71.6
72		85.7	85.7	67.0	67.0
42	166	150	150	120	120
48		120	120	102	102
54		120	120	85.7	85.7
60		104	104	75.8	75.8
64		94.9	94.9	70.8	70.8
72		82.1	82.1	67.0	67.0
42	172	150	150	120	120
48		120	120	101	101
54		120	120	84.3	84.3
60		103	103	73.5	73.5
62		97.8	97.8	70.8	70.8
72		78.6	78.6	67.0	67.0
42	178	150	150	120	120
48		120	120	101	101
54		120	120	82.9	82.9
60		102	102	71.1	71.1
72		78.6	78.6	67.0	67.0
72		78.6	78.6	67.0	67.0
42	184	150	150	120	120
48		120	120	100	100
54		119	119	81.5	81.5
58		100	100	72.9	72.9
72		78.6	78.6	67.0	67.0
72		78.6	78.6	67.0	67.0
42	190	120	120	118	118
48		120	120	99.2	99.2
54		119	119	80	80
72		78.6	78.6	67.0	67.0
72		78.6	78.6	67.0	67.0
72		78.6	78.6	67.0	67.0
42	196	120	120	118	118
48		120	120	-	-
54		119	119	-	-
72		78.6	78.6	67.0	67.0
72		78.6	78.6	67.0	67.0
72		78.6	78.6	67.0	67.0



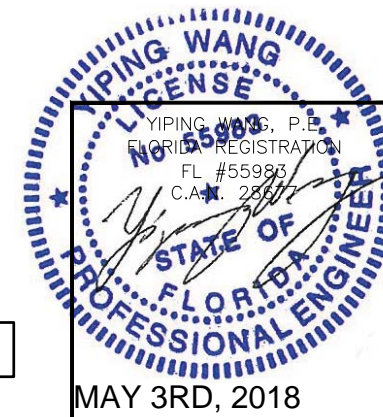
GLASS TYPE 'GL-1'
1 5/16" INSULATED LAMINATED GLASS



GLASS TYPE 'GL-3'
1 5/16" INSULATED LAMINATED GLASS

LARGE MISSILE IMPACT

NOTE:
GLASS CAPACITIES ON THIS SHEET ARE
BASED ON ASTM E1300-09 (3 SEC. GUSTS)



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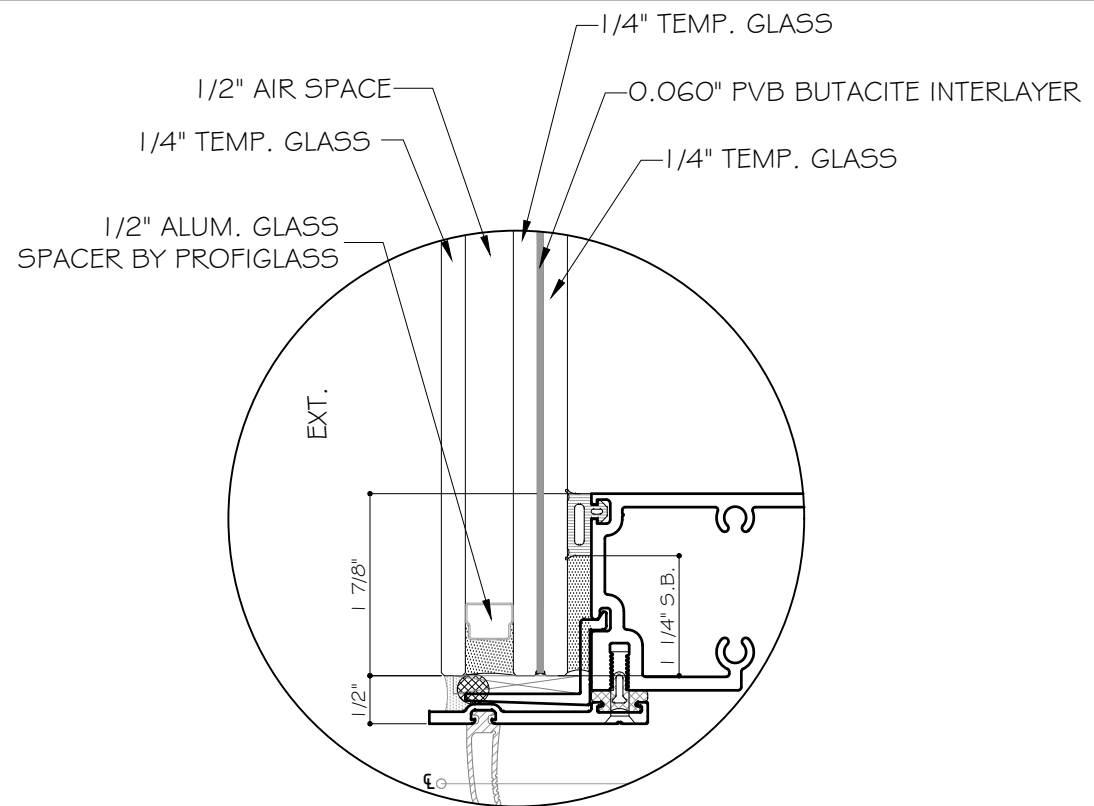
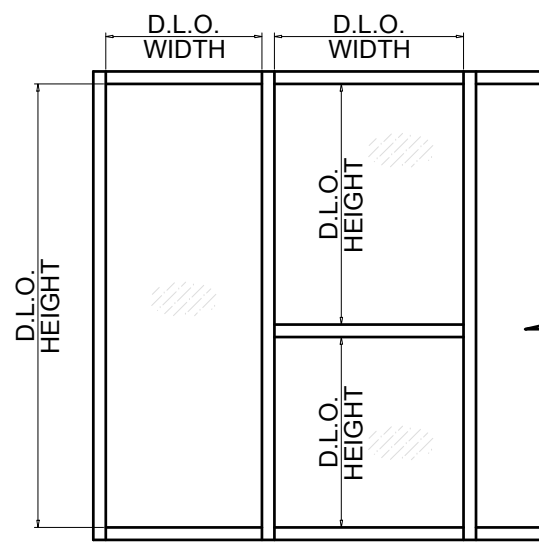
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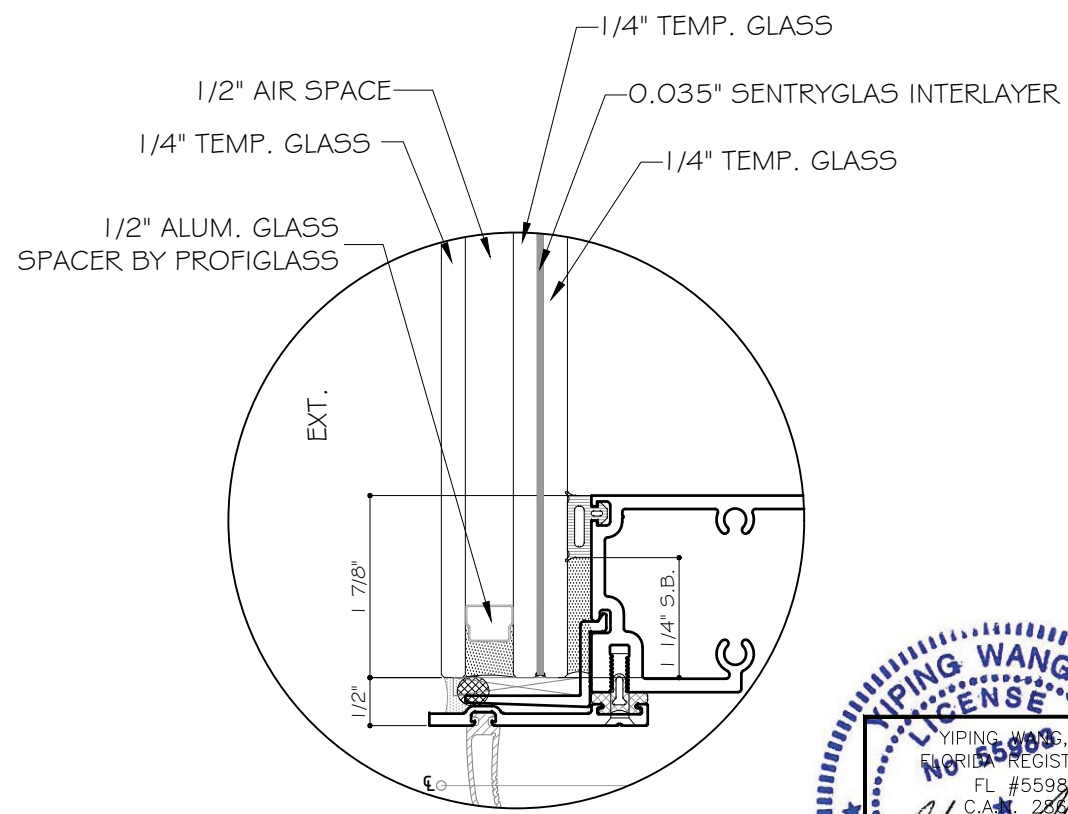
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G1	
Sheet No.	
4 OF 29	

GLASS CAPACITIES					
DAYLIGHT OPENING DIMENSION		ALLOWABLE DESIGN LOAD			
D.L.O.W.	D.L.O.H.	GL-2		GL-4	
(IN)	(IN)	(+)PSF	(-)PSF	(+)PSF	(-)PSF
42	124	120	120	120	120
48		120	120	120	120
54		120	120	120	120
60		120	120	120	120
66		120	120	120	120
72		120	120	120	120
42	130	120	120	120	120
48		120	120	120	120
54		120	120	120	120
60		120	120	120	120
66		120	120	120	120
72		120	120	120	120
42	136	120	120	120	120
48		120	120	120	120
54		120	120	120	120
60		120	120	120	120
66		120	120	120	120
72		120	120	120	120
42	142	120	120	120	120
48		120	120	120	120
54		120	120	120	120
60		120	120	120	120
66		120	120	120	120
72		120	120	120	120
42	148	120	120	120	120
48		120	120	120	120
54		120	120	120	120
60		120	120	120	120
66		120	120	120	120
72		120	120	120	120
42	154	120	120	120	120
48		120	120	120	120
54		120	120	120	120
60		120	120	120	120
64		120	120	120	120

GLASS CAPACITIES					
DAYLIGHT OPENING DIMENSION		ALLOWABLE DESIGN LOAD			
D.L.O.W.	D.L.O.H.	GL-2		GL-4	
(IN)	(IN)	(+)PSF	(-)PSF	(+)PSF	(-)PSF
42	160	120	120	120	120
48		120	120	120	120
54		120	120	120	120
60	166	120	120	120	120
42		120	120	120	120
48		120	120	120	120
54	172	120	120	120	120
42		120	120	120	120
48		120	120	120	120
54	178	120	120	120	120
42		120	120	120	120
48		120	120	120	120
54	184	120	120	120	120
42		120	120	120	120
48		120	120	120	120
54	190	120	120	120	120
42		120	120	120	120
48		120	120	120	120
52	196	120	120	120	120
42		-	-	-	-
48		-	-	-	-
50		-	-	-	-



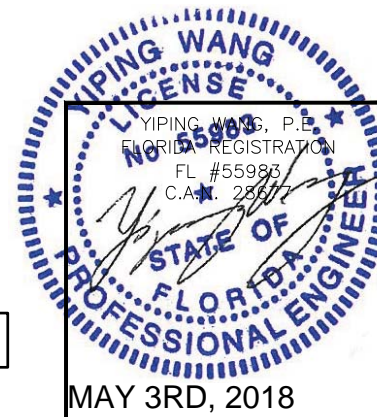
GLASS TYPE 'GL-2'
1 5/16" INSULATED LAMINATED GLASS



GLASS TYPE 'GL-4'
1 5/16" INSULATED LAMINATED GLASS

SMALL MISSILE IMPACT

NOTE:
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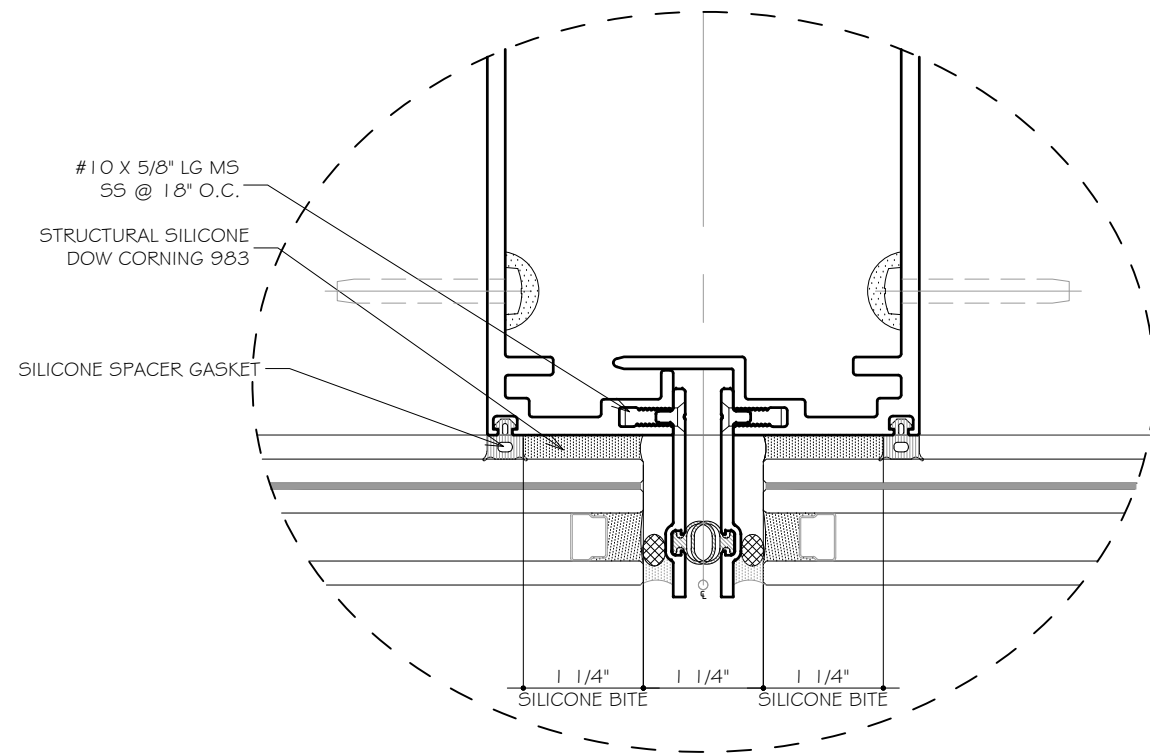
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G2

Sheet No.

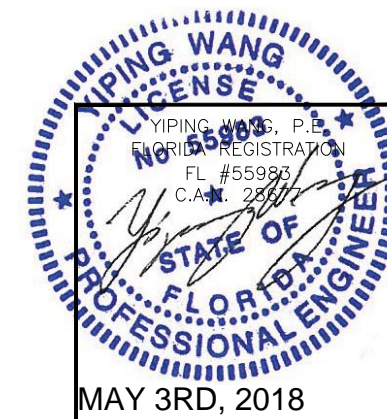
5 OF 29



1 1/4" SILICONE WIDTH

MULLION C-C DIMENSION	SILICONE CAPACITY (PSF)
	SILICONE WIDTH (IN)
W	1 1/4"
(in.)	psf
36	150.0
42	150.0
48	150.0
54	133.3
60	120.0
66	109.1
72	100.0

NOTE:
SILICONE CAPACITY FOR BOTH L.M.I. & S.M.I.



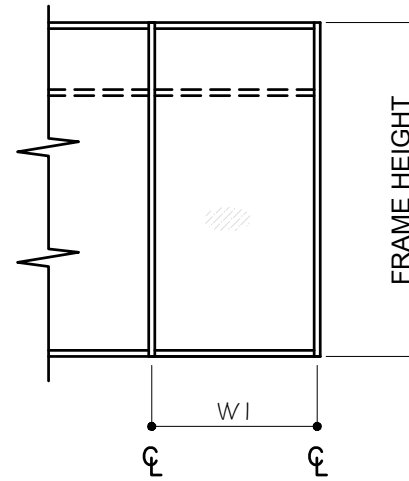
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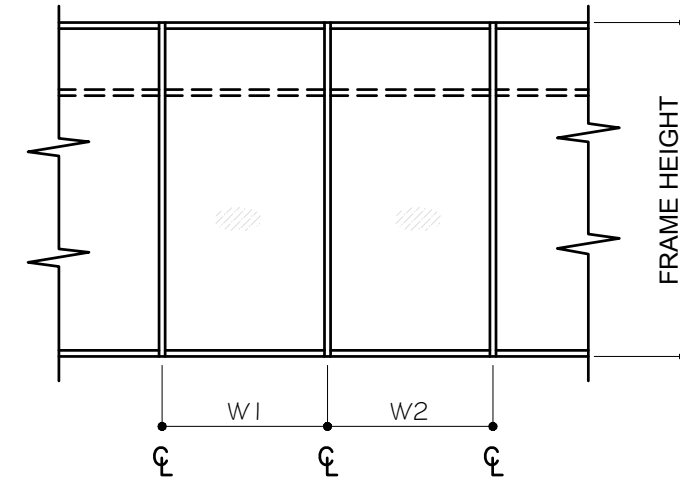
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Sheet No.	
6 OF 29	

SINGLE SPAN MULLION CAPACITY CHART									
FRAME SIZE		W/ INTERMEDIATE HORIZONTALS				W/O INTERMEDIATE HORIZONTALS			
		MULLION (MI)		JAMB (JI)		MULLION (MI)		JAMB (JI)	
FRAME WIDTH	SPAN HEIGHT	(+)PSF	(-)PSF	(+)PSF	(-)PSF	(+)PSF	(-)PSF	(+)PSF	(-)PSF
W (IN)	L (IN)								
≤66	120	110	120	110	120	110	120	110	120
72		110	120	110	120	110	120	110	120
≤60	126	110	120	110	120	110	120	110	120
66		110	112.6	110	120	110	120	110	120
≤54	132	110	120	110	120	110	120	110	120
60		110	112.9	110	120	110	120	110	120
≤48	138	110	120	110	120	110	120	110	120
54		110	114.8	110	120	110	120	110	120
60		103.3	103.3	110	120	110	111.5	110	120
≤42		144	110	120	110	120	110	120	110
48	110		118.6	110	120	110	120	110	120
54	105.4		105.4	110	120	110	111.6	110	120
60	94.9		94.9	110	120	101.8	101.8	110	120
≤36	150	110	120	110	120	110	120	110	120
42		110	119.9	110	120	110	120	110	120
48		104.9	104.9	110	120	109.3	109.3	110	120
54		93.2	93.2	110	120	98.3	98.3	110	120
≤36	156	110	120	110	120	110	120	110	120
42		106.6	106.6	110	120	109.7	109.7	110	120
48		93.3	93.3	110	120	96.9	96.9	110	120
54		82.9	82.9	110	120	87	87	110	120

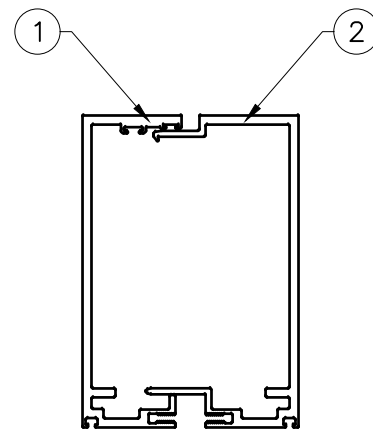
SINGLE SPAN CONDITION



WIDTH (W) = W_1 (JAMB)



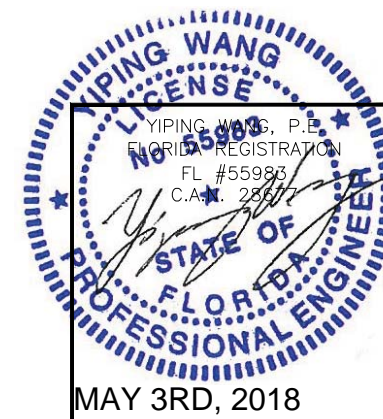
WIDTH (W) = $\frac{W_1 + W_2}{2}$



MULLION & JAMB

(MI) (JI) UNREINFORCED

	Ix (IN ⁴)	Sx (IN ³)
TOTAL	27.633	8.144



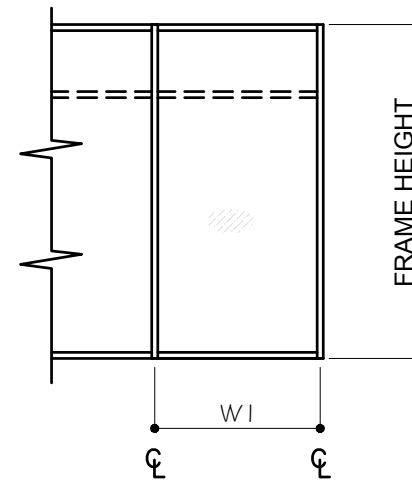
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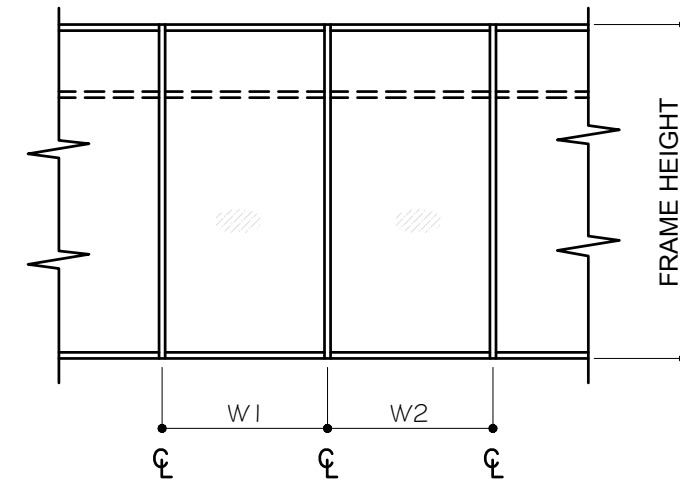
Rev. No.	Date	Drawn By	Description
Drawn Date	Scale		
04/20/2018			
FL#22011			
DRAWING NO.			
AD18-15			
MI			
Sheet No.			
7 OF 29			

SINGLE SPAN MULLION CAPACITY CHART									
FRAME SIZE		W/ INTERMEDIATE HORIZONTALS				W/O INTERMEDIATE HORIZONTALS			
		MULLION (M2)		JAMB (J2)		MULLION (M2)		JAMB (J2)	
FRAME WIDTH	SPAN HEIGHT	(+)PSF	(-)PSF	(+)PSF	(-)PSF	(+)PSF	(-)PSF	(+)PSF	(-)PSF
W (IN)	L (IN)								
≤54	138	120	150	120	150	120	150	120	150
60		120	141	120	150	120	150	120	150
≤48	144	120	150	120	150	120	150	120	150
54		120	143.9	120	150	120	150	120	150
≤42	150	120	150	120	150	120	150	120	150
48		120	149.2	120	150	120	150	120	150
54		120	132.6	120	150	120	139.3	120	150
≤42	156	120	150	120	150	120	150	120	150
48		120	137.9	120	150	120	143.1	120	150
54		120	122.6	120	150	120	128.3	120	150
≤36	162	120	150	120	150	120	150	120	150
42		120	146.2	120	150	120	150	120	150
48		120	127.9	120	150	120	132.4	120	150
≤36	168	120	150	120	150	120	150	120	150
42		120	135.9	120	150	120	139.5	120	150
48		118.9	118.9	120	150	120	122.9	120	150
≤36	174	120	147.8	120	150	120	150	120	150
42		120	126.7	120	150	120	129.9	120	150
48		110.9	110.9	120	150	114.3	114.3	120	150
≤36	180	120	135.9	120	150	120	138.1	120	150
42		116.4	116.4	120	150	119	119	120	150
≤36	186	120	123.1	120	150	120	125	120	150
42		105.5	105.5	120	150	107.7	107.7	120	150
≤36	192	111.9	111.9	120	150	113.5	113.5	120	150
42		95.9	95.9	120	150	97.8	97.8	120	150

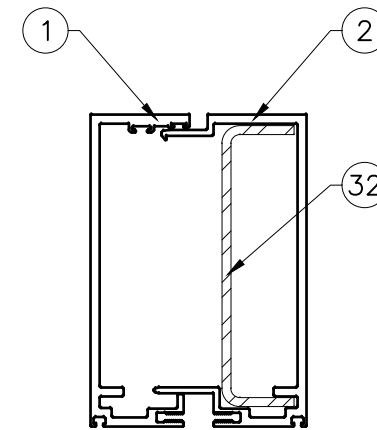
SINGLE SPAN CONDITION



WIDTH (W) = W1 (JAMB)

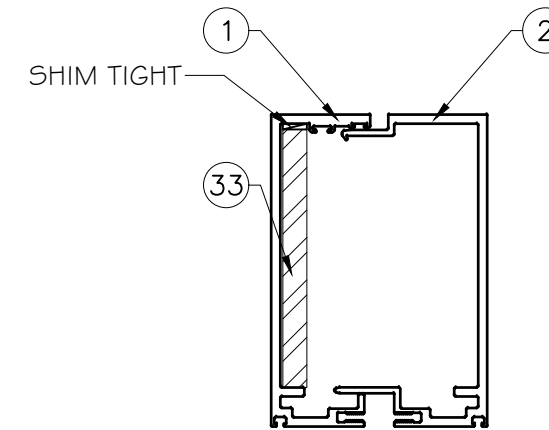


WIDTH (W) = $\frac{W1 + W2}{2}$



MULLION & JAMB OPTION

(M2) (J2)



MULLION & JAMB OPTION

(M2) (J2)

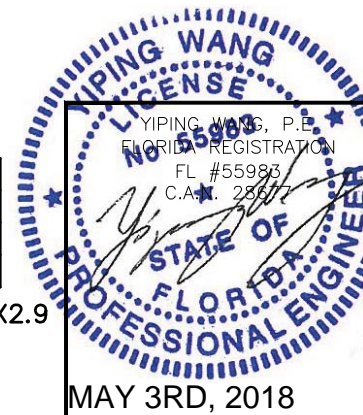
W/ (R2) REINF.

	Ix (IN^4)	Sx (IN^3)
ALUM.	27.633	8.144
STEEL	6.708	2.292
TOTAL	47.12	

TOTAL = Ix(ALUM.)+Ix(STEEL)X2.9

	Ix (IN^4)	Sx (IN^3)
ALUM.	27.633	8.144
STEEL	6.470	2.408
TOTAL	46.426	

TOTAL = Ix(ALUM.)+Ix(STEEL)X2.9



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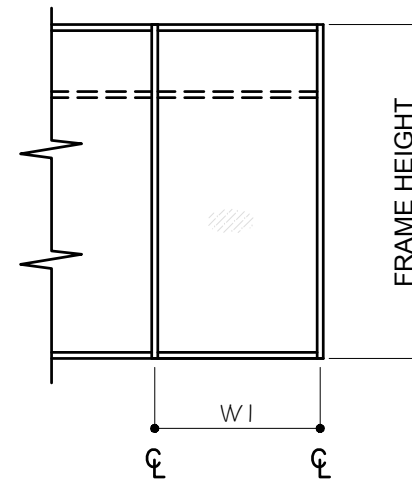
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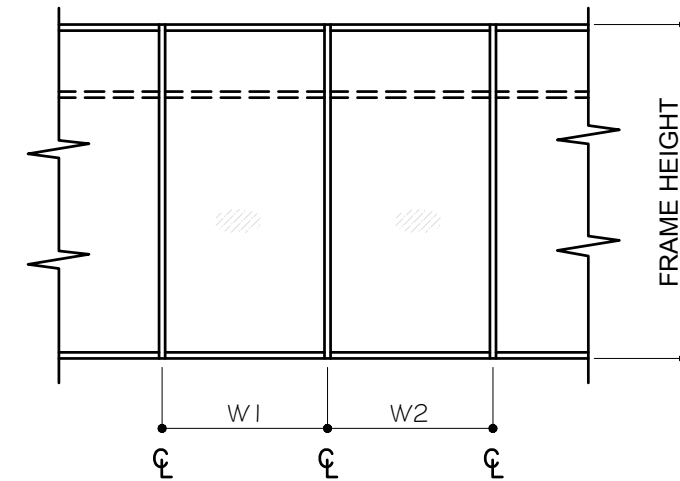
Drawn Date: 04/20/2018 Scale:
 Drawing No.: FL#22011
 AD18-15
 M2
 Sheet No.: 8 OF 29

SINGLE SPAN MULLION CAPACITY CHART									
FRAME SIZE		W/ INTERMEDIATE HORIZONTALS				W/O INTERMEDIATE HORIZONTALS			
		MULLION (M3)		JAMB (J2)		MULLION (M3)		JAMB (J2)	
FRAME WIDTH	SPAN HEIGHT	(+)PSF	(-)PSF	(+)PSF	(-)PSF	(+)PSF	(-)PSF	(+)PSF	(-)PSF
W (IN)	L (IN)								
36	138	120	150	120	150	120	150	120	150
42		120	150	120	150	120	150	120	150
48		120	150	120	150	120	150	120	150
54		120	150	120	150	120	150	120	150
60		120	150	120	150	120	150	120	150
36	144	120	150	120	150	120	150	120	150
42		120	150	120	150	120	150	120	150
48		120	150	120	150	120	150	120	150
54		120	150	120	150	120	150	120	150
36	150	120	150	120	150	120	150	120	150
42		120	150	120	150	120	150	120	150
48		120	150	120	150	120	150	120	150
54		120	150	120	150	120	150	120	150
36	156	120	150	120	150	120	150	120	150
42		120	150	120	150	120	150	120	150
48		120	150	120	150	120	150	120	150
36	162	120	150	120	150	120	150	120	150
42		120	150	120	150	120	150	120	150
48		120	150	120	150	120	150	120	150
36	168	120	150	120	150	120	150	120	150
42		120	150	120	150	120	150	120	150
48		120	150	120	150	120	150	120	150
36	174	120	150	120	150	120	150	120	150
42		120	150	120	150	120	150	120	150
48		120	150	120	150	120	150	120	150
36	180	120	150	120	150	120	150	120	150
42		120	150	120	150	120	150	120	150
36	186	120	150	120	150	120	150	120	150
42		120	150	120	150	120	150	120	150
36	192	120	150	120	150	120	150	120	150
42		116.6	145.7	120	150	120	150	120	150

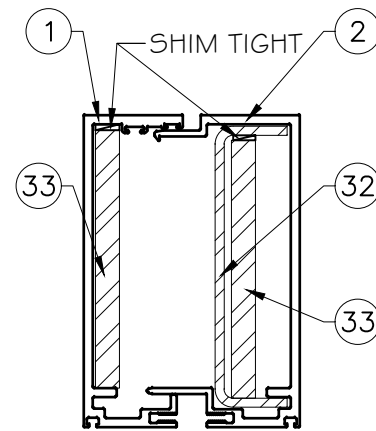
SINGLE SPAN CONDITION



WIDTH (W) = W1 (JAMB)



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

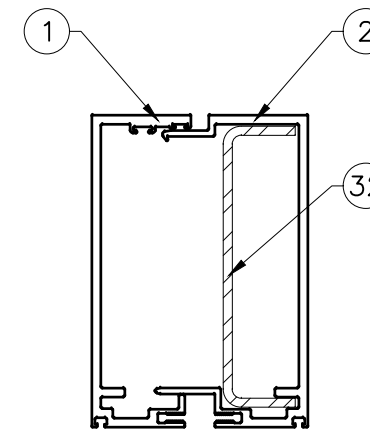


MULLION (M3)

	Ix (IN^4)	Sx (IN^3)
ALUM.	27.633	8.144
STEEL	19.649	6.71
TOTAL	84.645	

TOTAL = Ix(ALUM.)+Ix(STEEL)X2.9

W/ (R1) REINF.

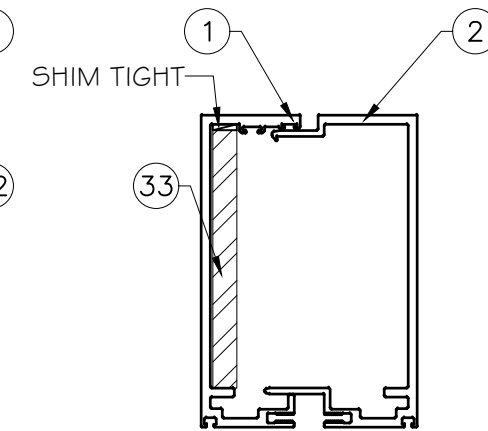


JAMB OPTION (J2)

	Ix (IN^4)	Sx (IN^3)
ALUM.	27.633	8.144
STEEL	6.708	2.292
TOTAL	47.12	

TOTAL = Ix(ALUM.)+Ix(STEEL)X2.9

W/ (R2) REINF.



JAMB OPTION (J2)

	Ix (IN^4)	Sx (IN^3)
ALUM.	27.633	8.144
STEEL	6.470	2.408
TOTAL	46.426	

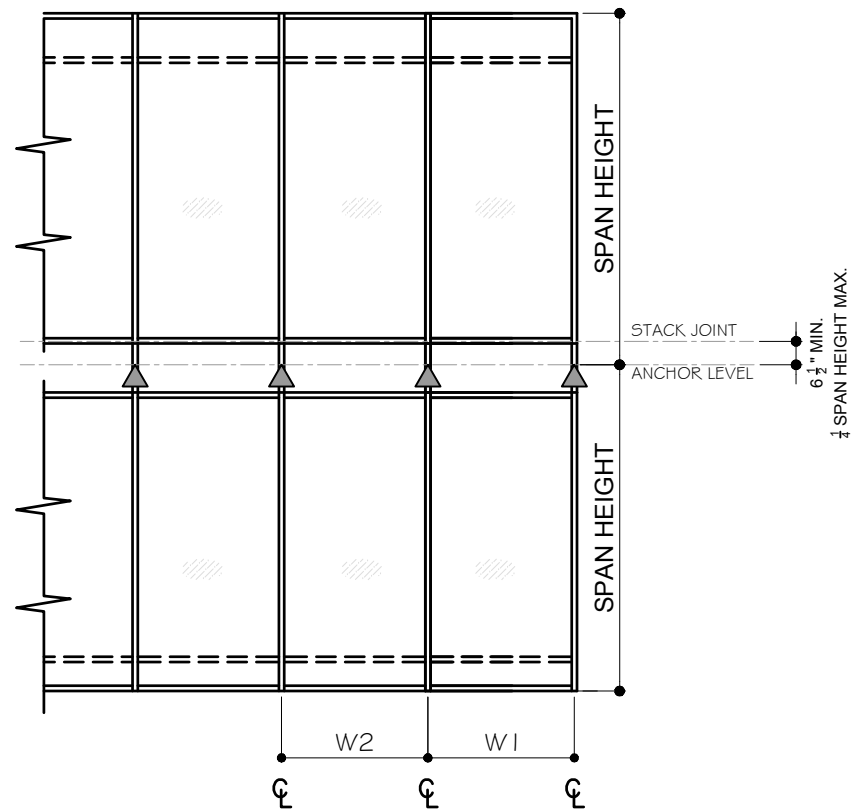
TOTAL = Ix(ALUM.)+Ix(STEEL)X2.9

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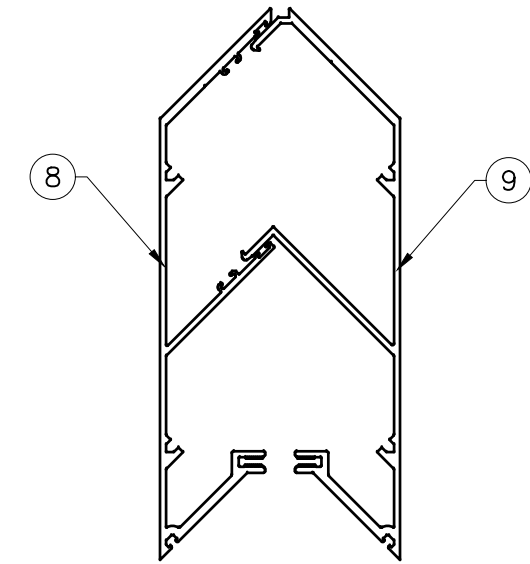
Drawn Date	Scale
04/20/2018	
Drawn By	Date
Res. No.	Description
FL#22011	
DRAWING NO.	
AD18-15	
M3	
Sheet No.	
9 OF 29	

TWO SPAN OR MULTIPLE SPAN CONDITION



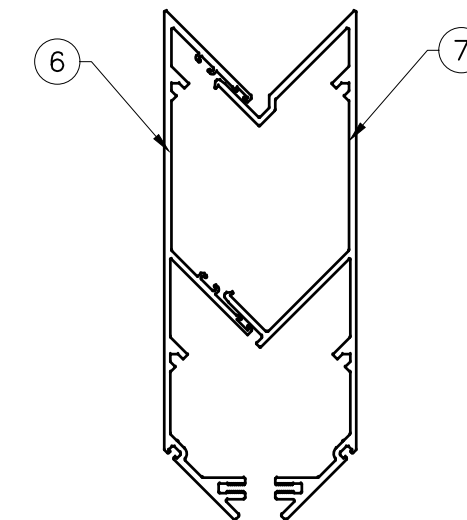
2-SPAN MULLION CAPACITIES			
FRAME WIDTH (IN)	SPAN HEIGHT (IN)	MULLION TYPE	ALLOW P.d (PSF)
60	196	M3, J2, CM1, CM2	+100 -100
54	196	M3, J2, CM1, CM2	+100 -120
60	180	M3, J2, CM1, CM2	+100 -120
36	196	M1, J1	+66 -66
42	180	M1, J1	+66 -66
60	162	M1, J1	+66 -66
60	156	M1, J1	+75 -75
60	144	M1, J1	+95 -95
60	132	M1, J1	+100 -120

NOTE:
EQ PANEL WIDTH & EQ LOAD @ EACH SIDE OF CORNER MULLION.
IF UNEQUAL LOADS PRESENT TO BE ENGINEERED SEPARATELY.



INSIDE CORNER (CM2)

TOTAL	Ix (IN^4)	Sx (IN^3)
TOTAL	73.8845	12.073



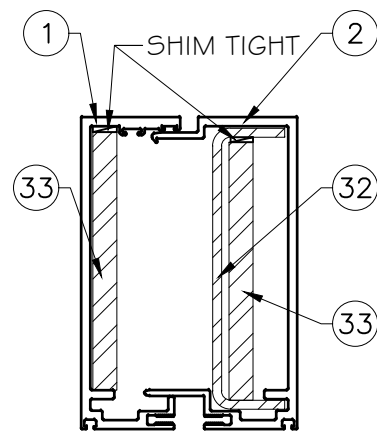
OUTSIDE CORNER (CM1)

TOTAL	Ix (IN^4)	Sx (IN^3)
TOTAL	60.9871	11.154

AVERAGE MULLION SPACING

WIDTH (W) = W1 (FOR JAMB)

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

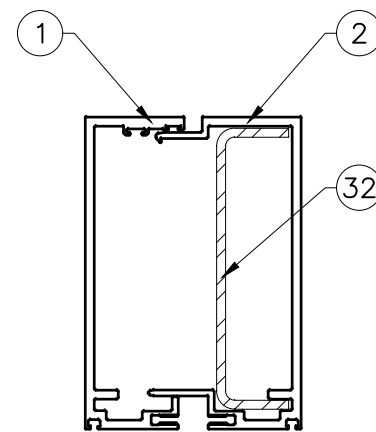


MULLION (M3)

W/ (R1) REINF.

	Ix (IN^4)	Sx (IN^3)
ALUM.	27.633	8.144
STEEL	19.649	6.71
TOTAL	84.645	

TOTAL = Ix(ALUM.)+Ix(STEEL)X2.9

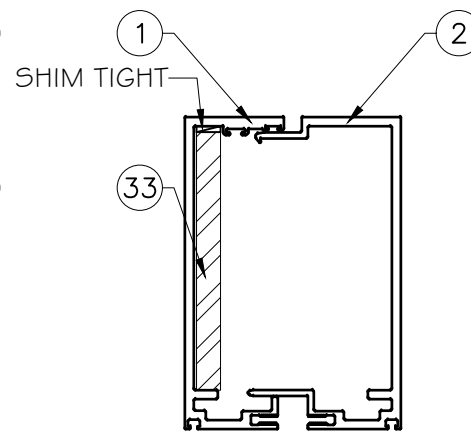


JAMB (J2)

W/ (R2) REINF.

	Ix (IN^4)	Sx (IN^3)
ALUM.	27.633	8.144
STEEL	6.708	2.292
TOTAL	47.12	

TOTAL = Ix(ALUM.)+Ix(STEEL)X2.9

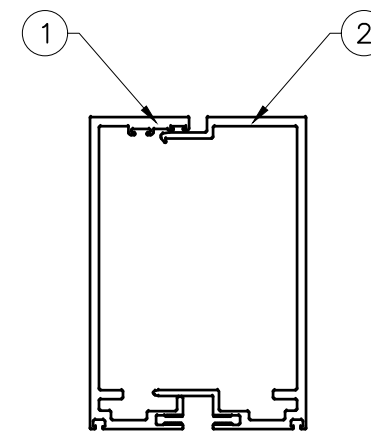


JAMB (J2)

W/ (R2) REINF.

	Ix (IN^4)	Sx (IN^3)
ALUM.	27.633	8.144
STEEL	6.470	2.408
TOTAL	46.426	

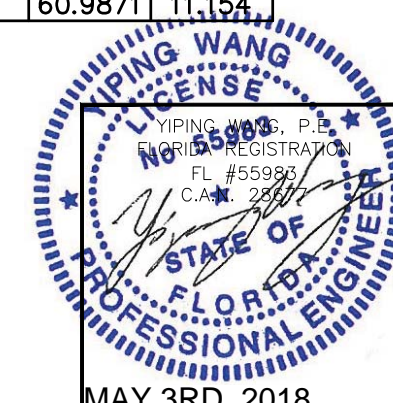
TOTAL = Ix(ALUM.)+Ix(STEEL)X2.9



MULLION (M1)

JAMB (J1)

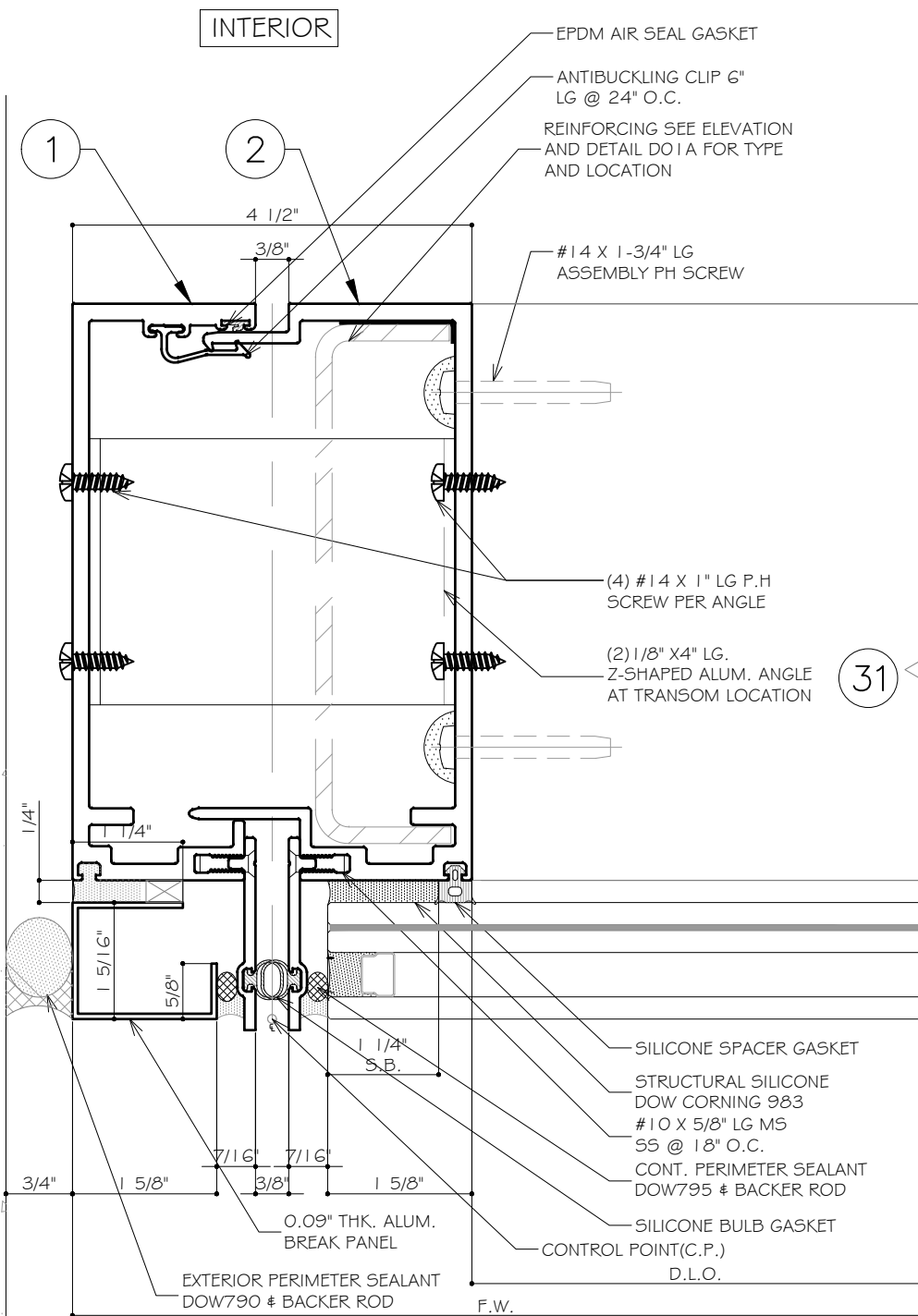
TOTAL	Ix (IN^4)	Sx (IN^3)
TOTAL	27.633	8.144



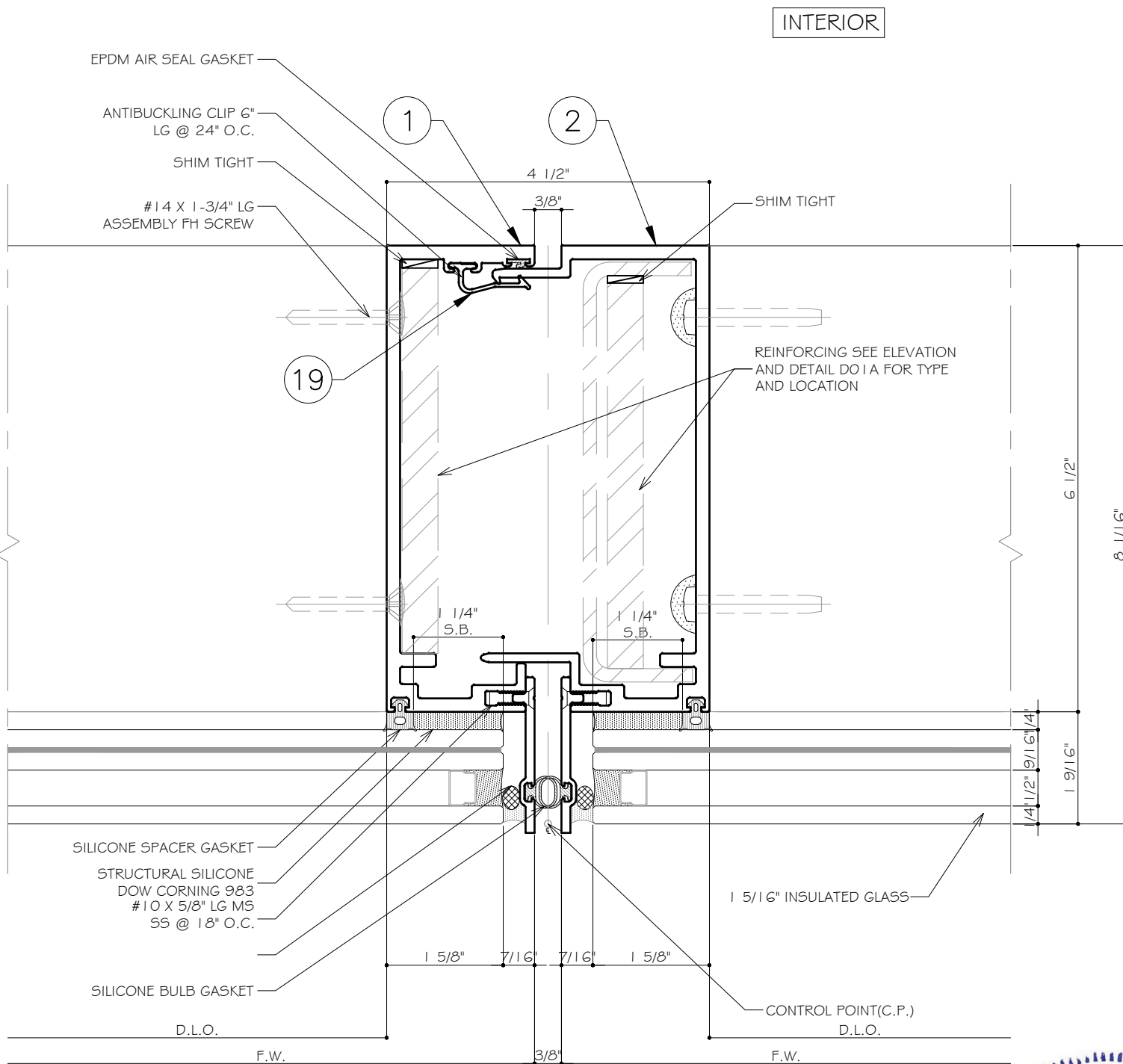
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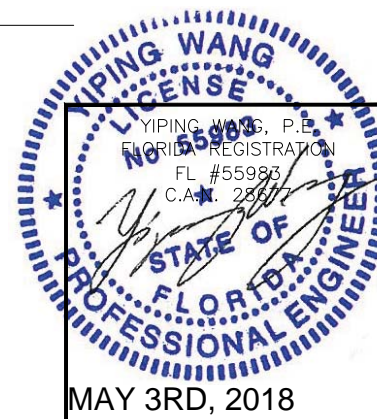
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Date	
Rev. No.	
FL#22011	
DRAWING NO.	AD18-15
Sheet No.	M4
	10 OF 29



1 JAMB MULLION
D01 SCALE: FULL SIZE



2 INTER. MULLION
D01 SCALE: FULL SIZE



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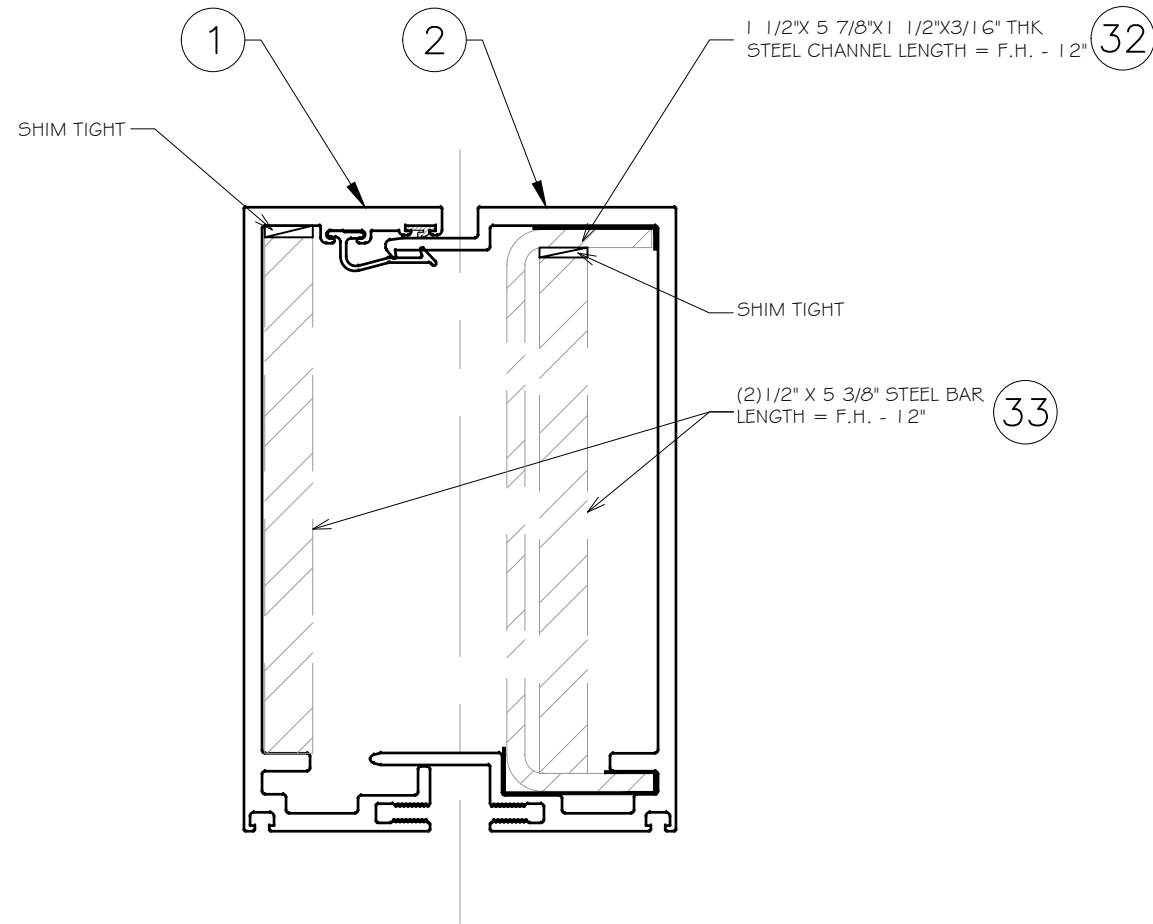
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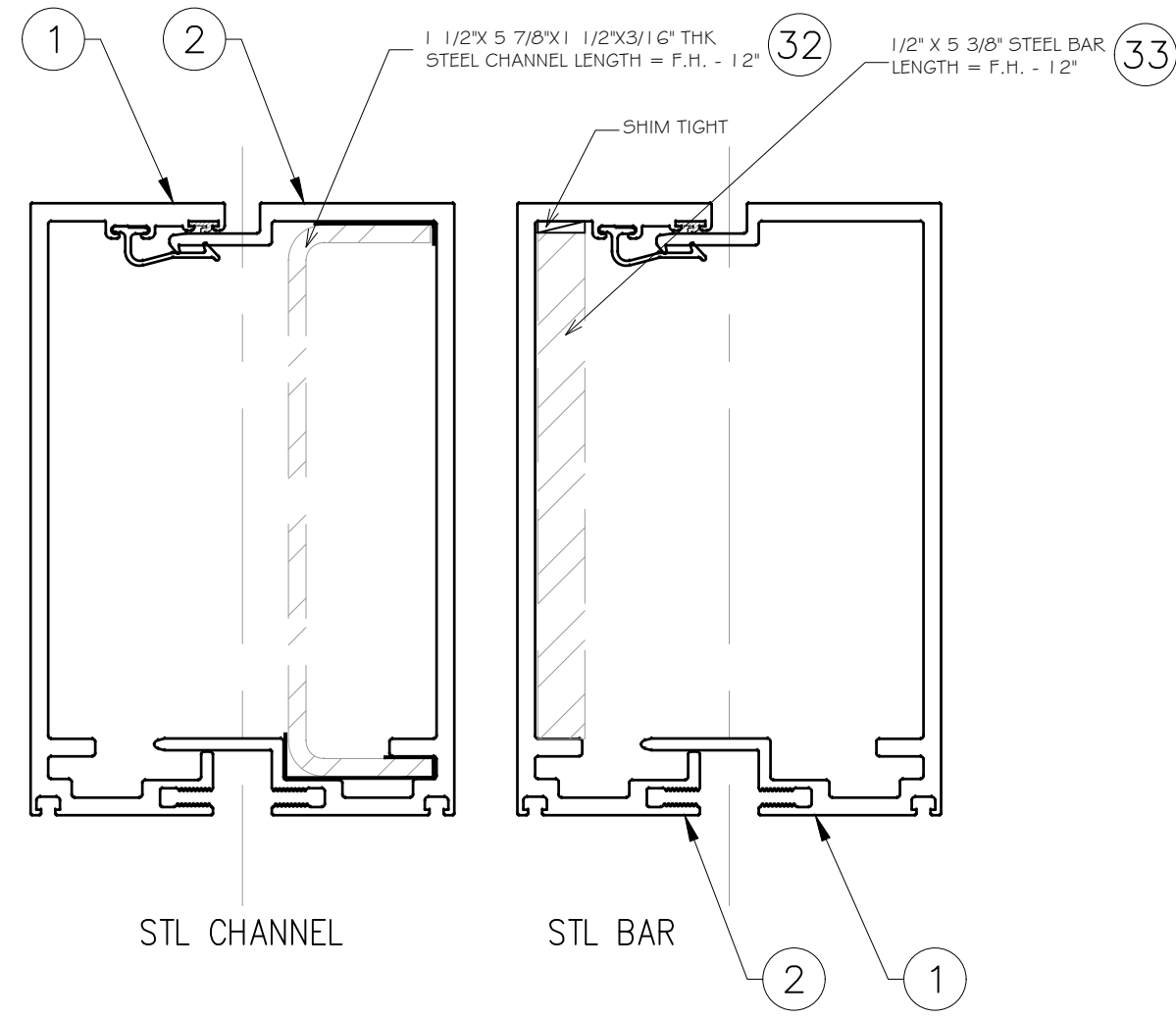
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Rev. No.	Date	Description

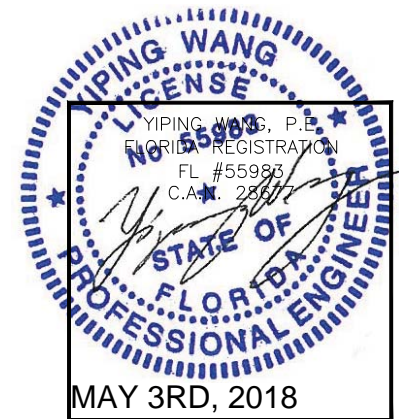
Drawn Date 04/20/2018	Scale
FL#22011 DRAWING NO.	
AD18-15	
D01	
Sheet No.	
11 OF 29	



R1 REFOREMENT-R1
D01A SCALE: FULL SIZE

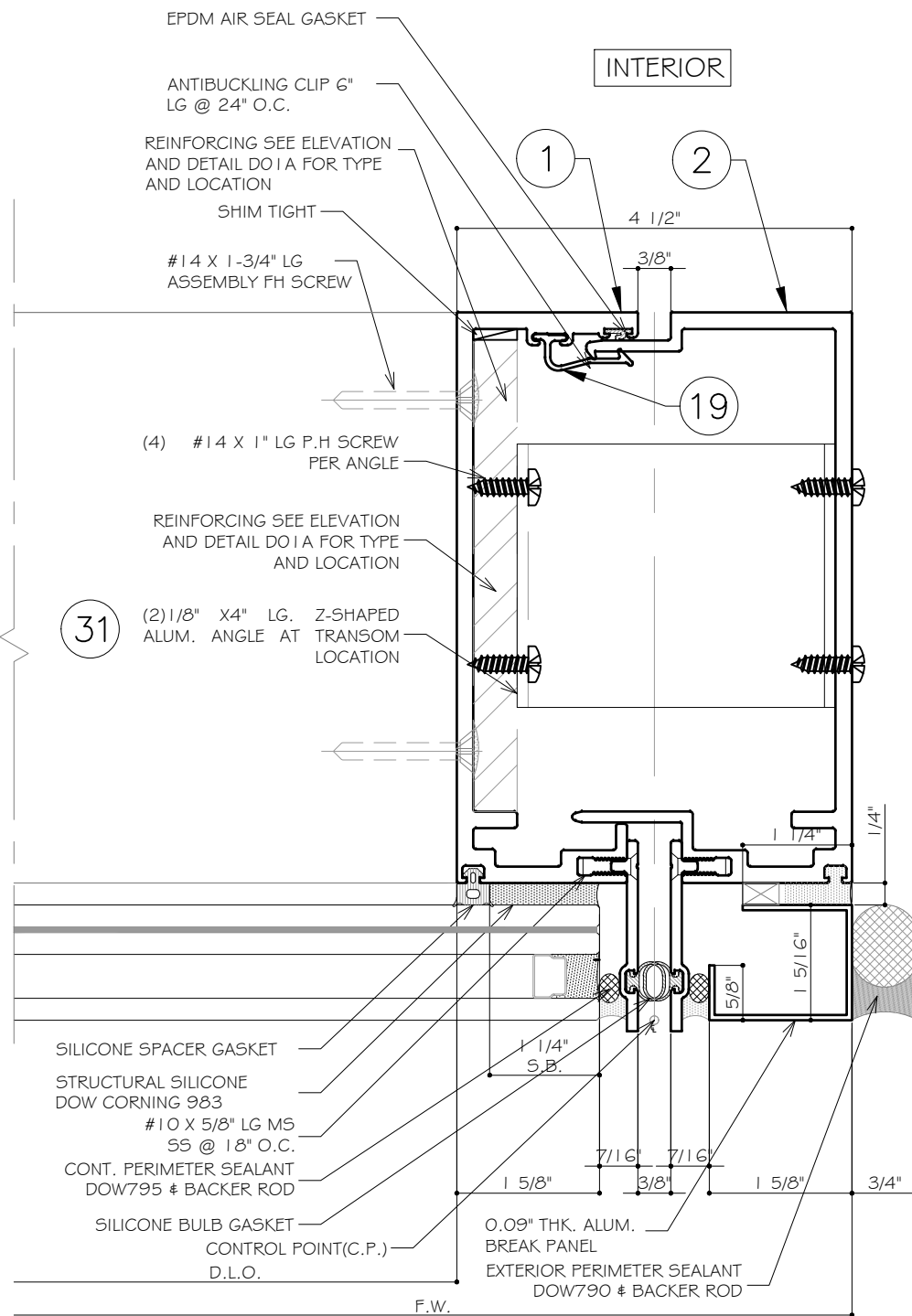


R2 REFOREMENT-R2
D01A SCALE: FULL SIZE

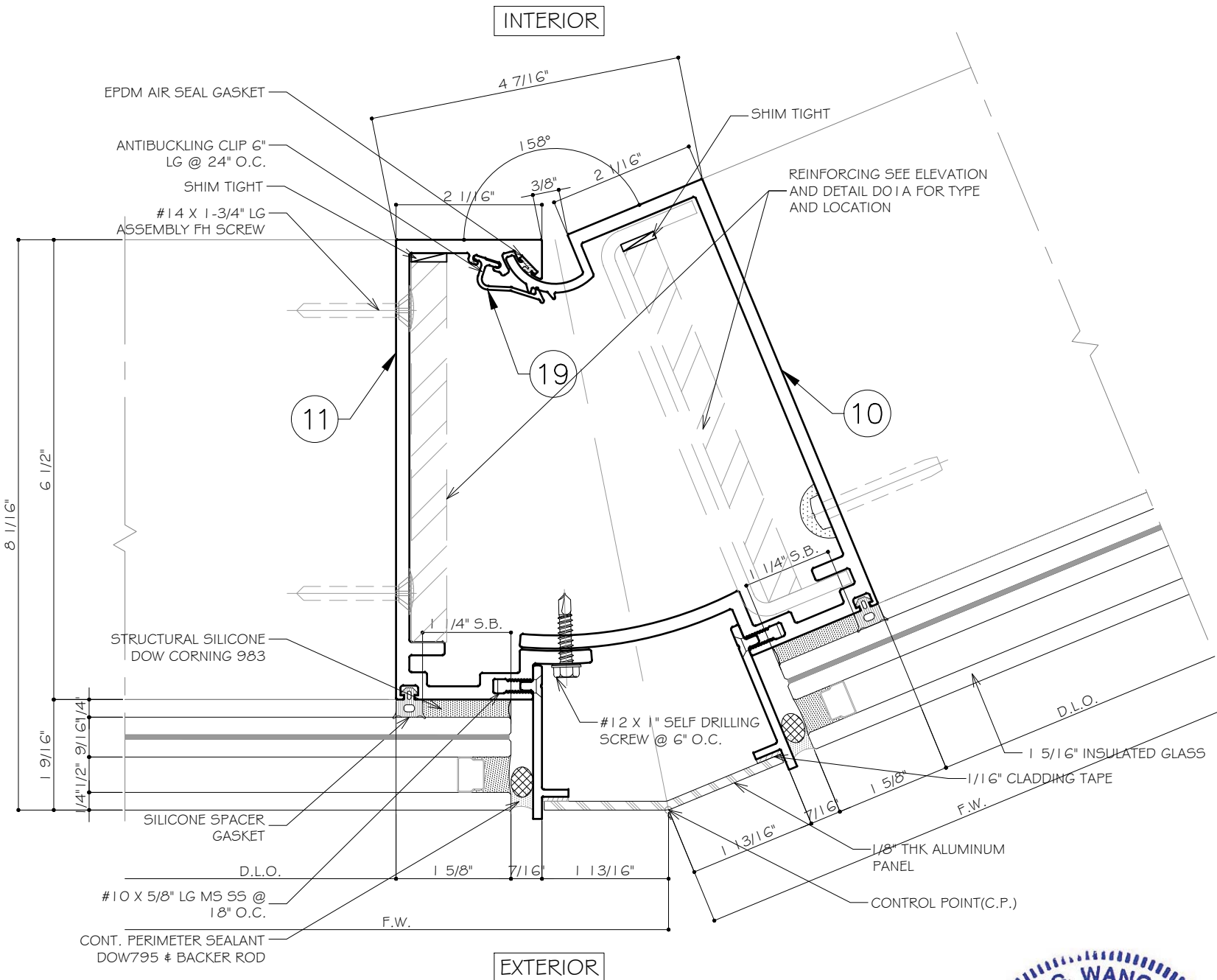
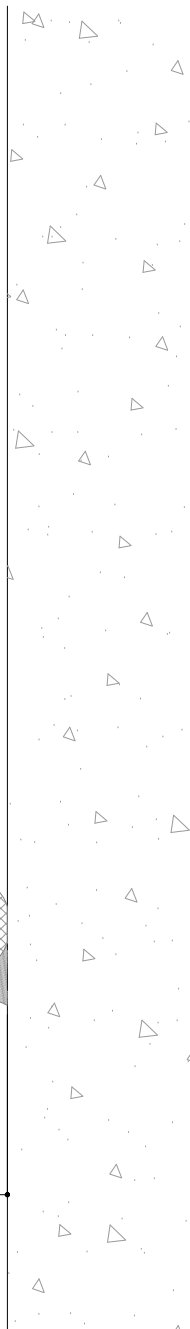


Rev.	Date	Drawn By	Description

Drawn Date 04/20/2018	Scale
FL#22011 DRAWING NO.	AD18-15
DO1A	Sheet No. 12 OF 29



1 JAMB MULLION
D02 SCALE: FULL SIZE



2 INTER. MULLION
D02 SCALE: FULL SIZE

YIPING WANG, P.E.
 FLORIDA REGISTRATION
 FL #55983
 C.A.# 286077
 MAY 3RD, 2018

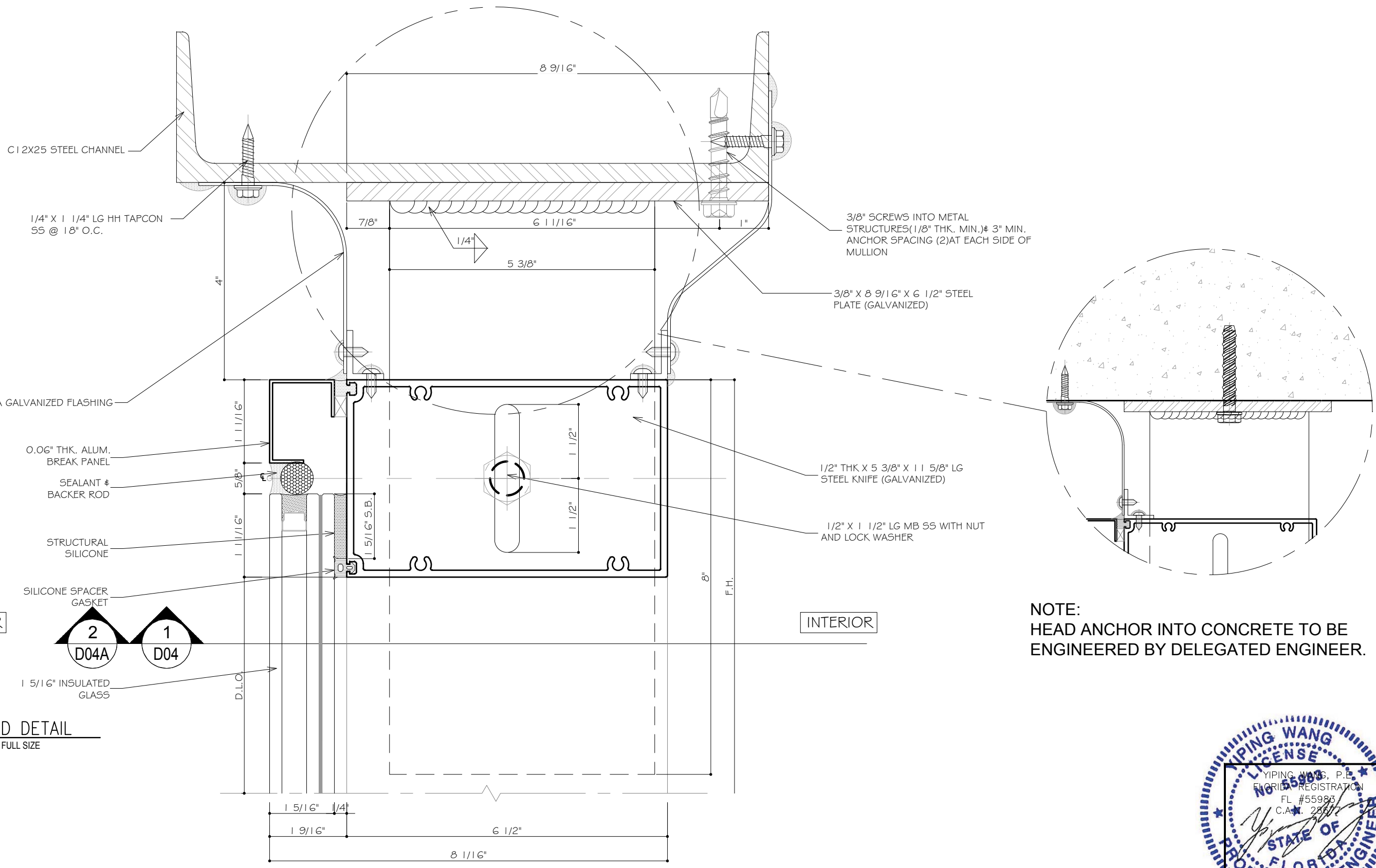
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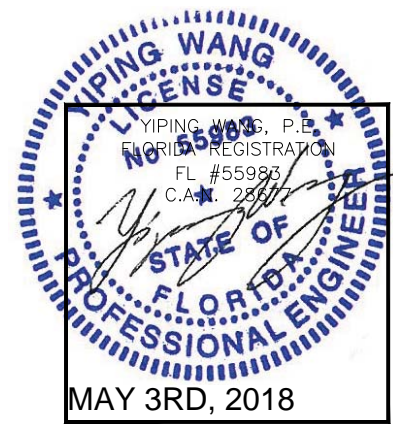
Drawn Date: 04/20/2018 Scale:

FL#22011
 DRAWING NO.
AD18-15
 D02
 Sheet No.
 13 OF 29



NOTE:
HEAD ANCHOR INTO CONCRETE TO BE ENGINEERED BY DELEGATED ENGINEER.

1 HEAD DETAIL
D03 SCALE: FULL SIZE



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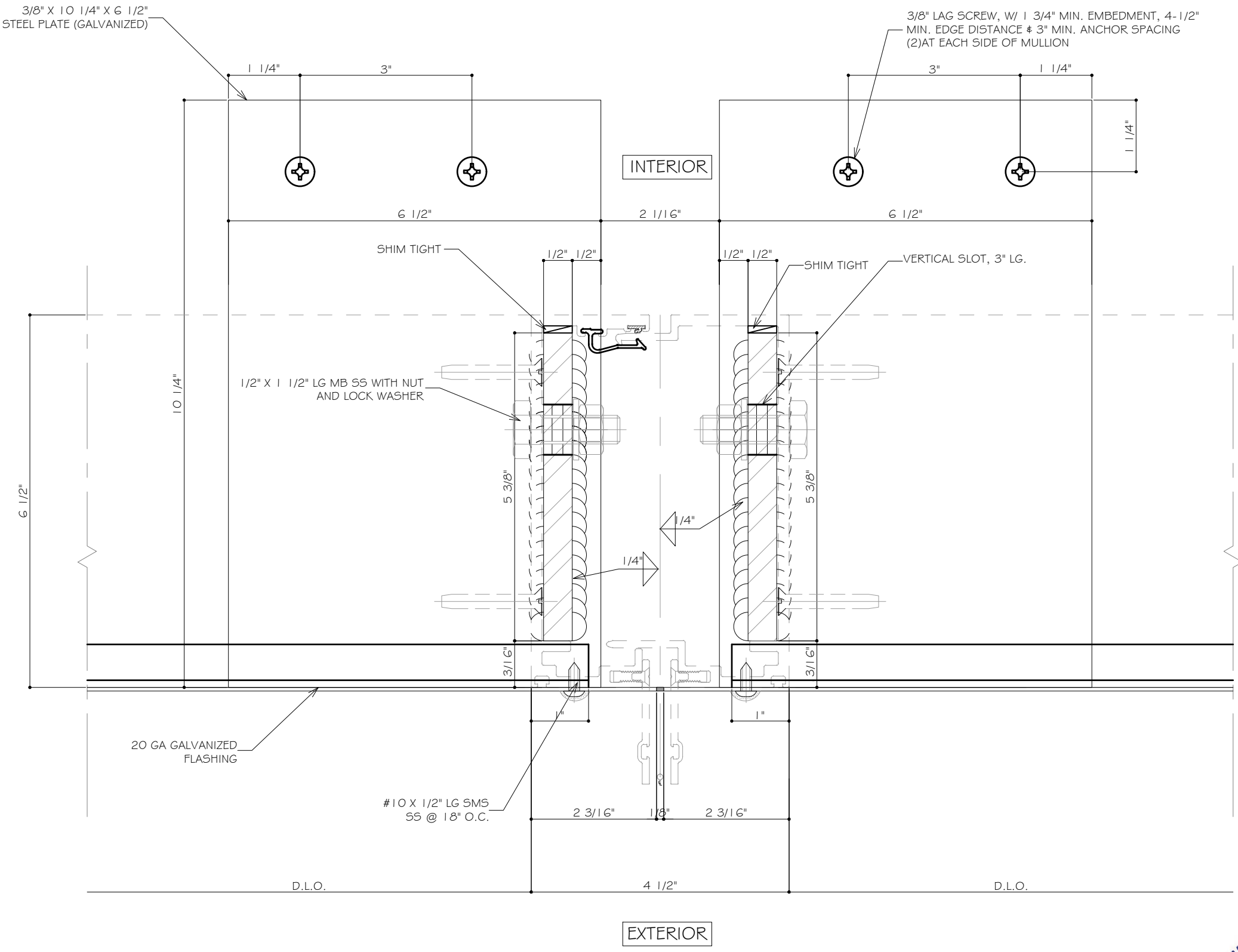
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Rev. No.	Date	Drawn By	Description

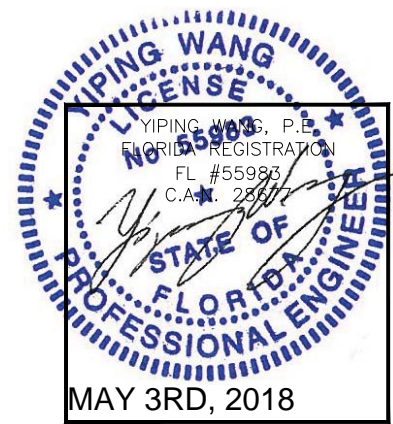
Drawn Date: 04/20/2018
 Scale: FL#22011
 DRAWING NO.: AD18-15
 Sheet No.: D03
 14 OF 29

3/8" X 10 1/4" X 6 1/2"
STEEL PLATE (GALVANIZED)

3/8" LAG SCREW, W/ 1 3/4" MIN. EMBEDMENT, 4-1/2"
MIN. EDGE DISTANCE & 3" MIN. ANCHOR SPACING
(2) AT EACH SIDE OF MULLION



1 INTER. MULLION
D04 SCALE: FULL SIZE



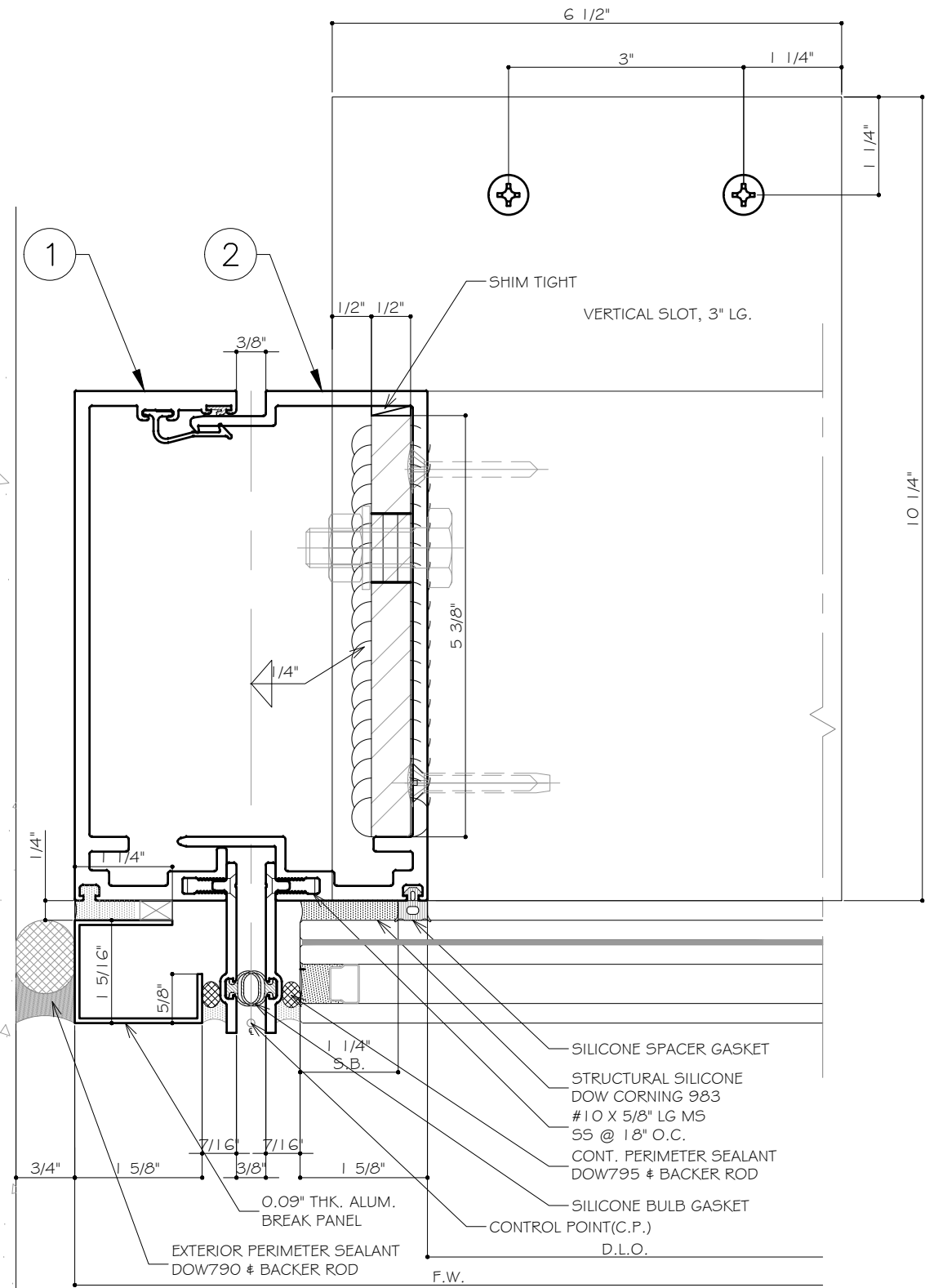
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MIAMI, FL 33183
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www.MCYEngineering.com
MCY.Engineering@Att.net

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 Drawing No.: AD18-15
 Sheet No.: D04
 Sheet No.: 15 OF 29

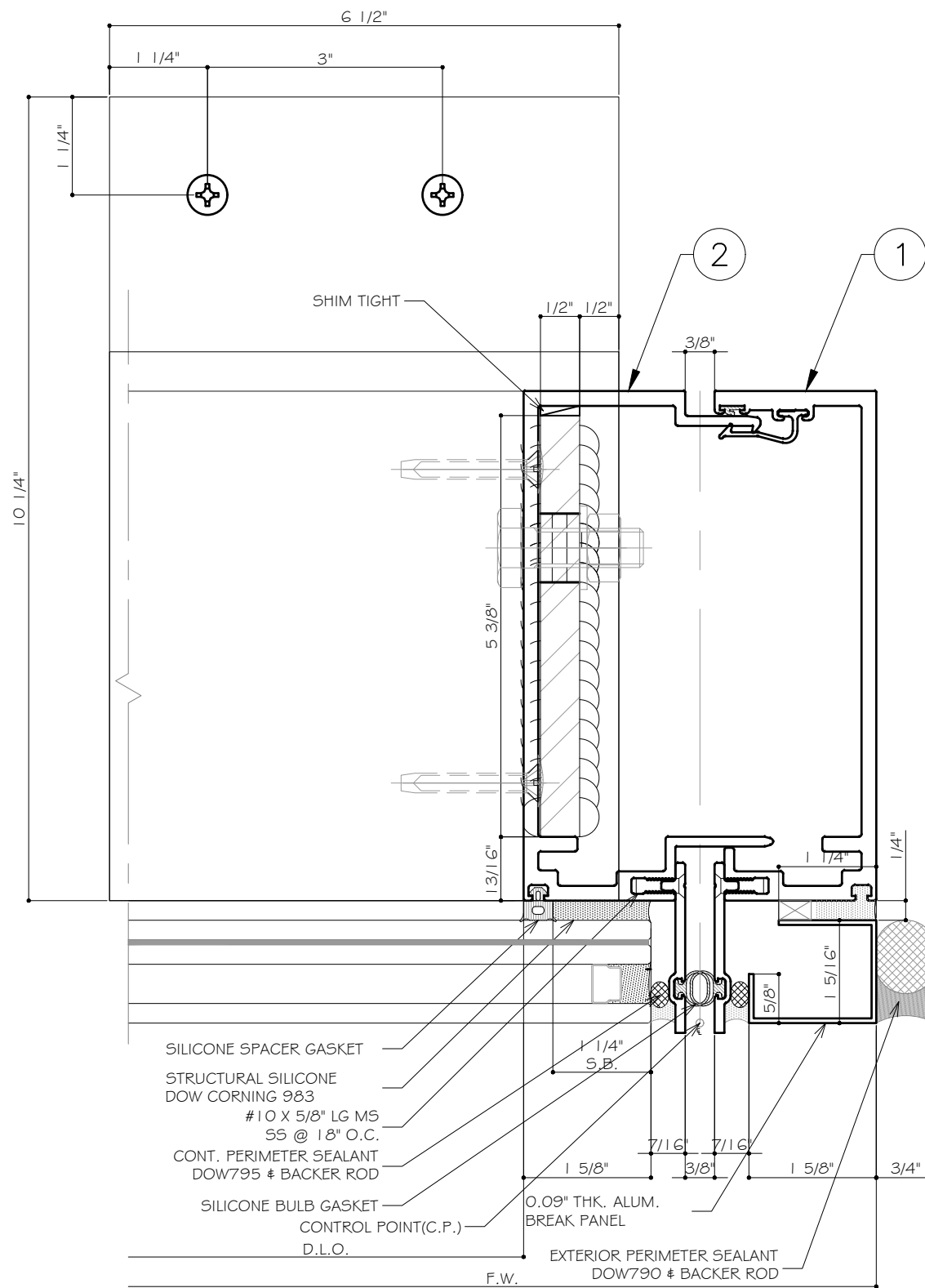
INTERIOR



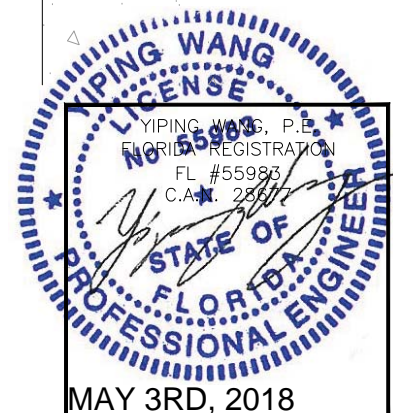
EXTERIOR

1 JAMB MULLION
D04A SCALE: FULL SIZE

INTERIOR



2 JAMB MULLION
D04A SCALE: FULL SIZE

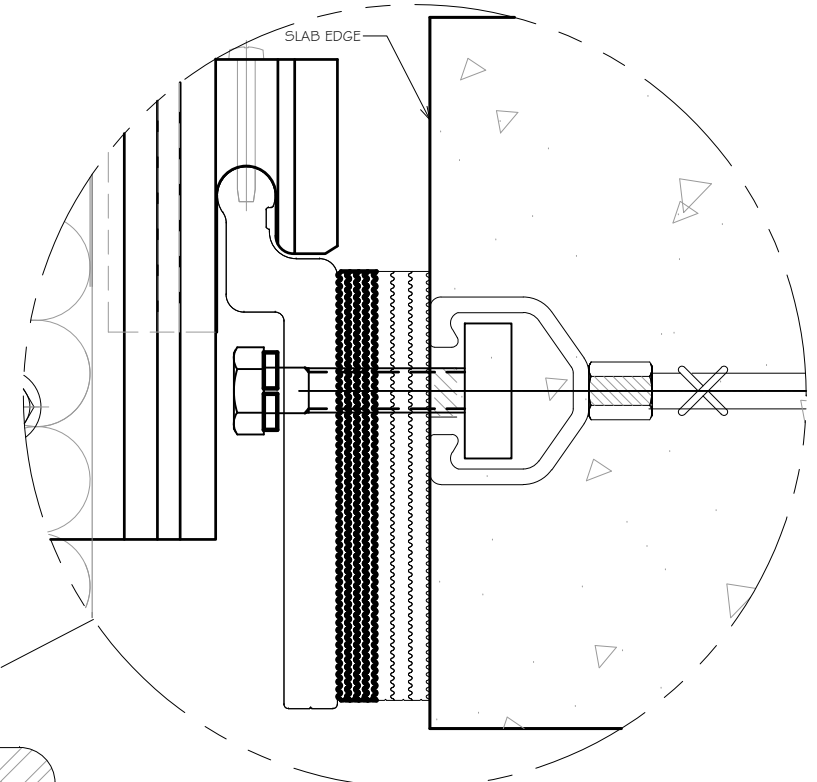
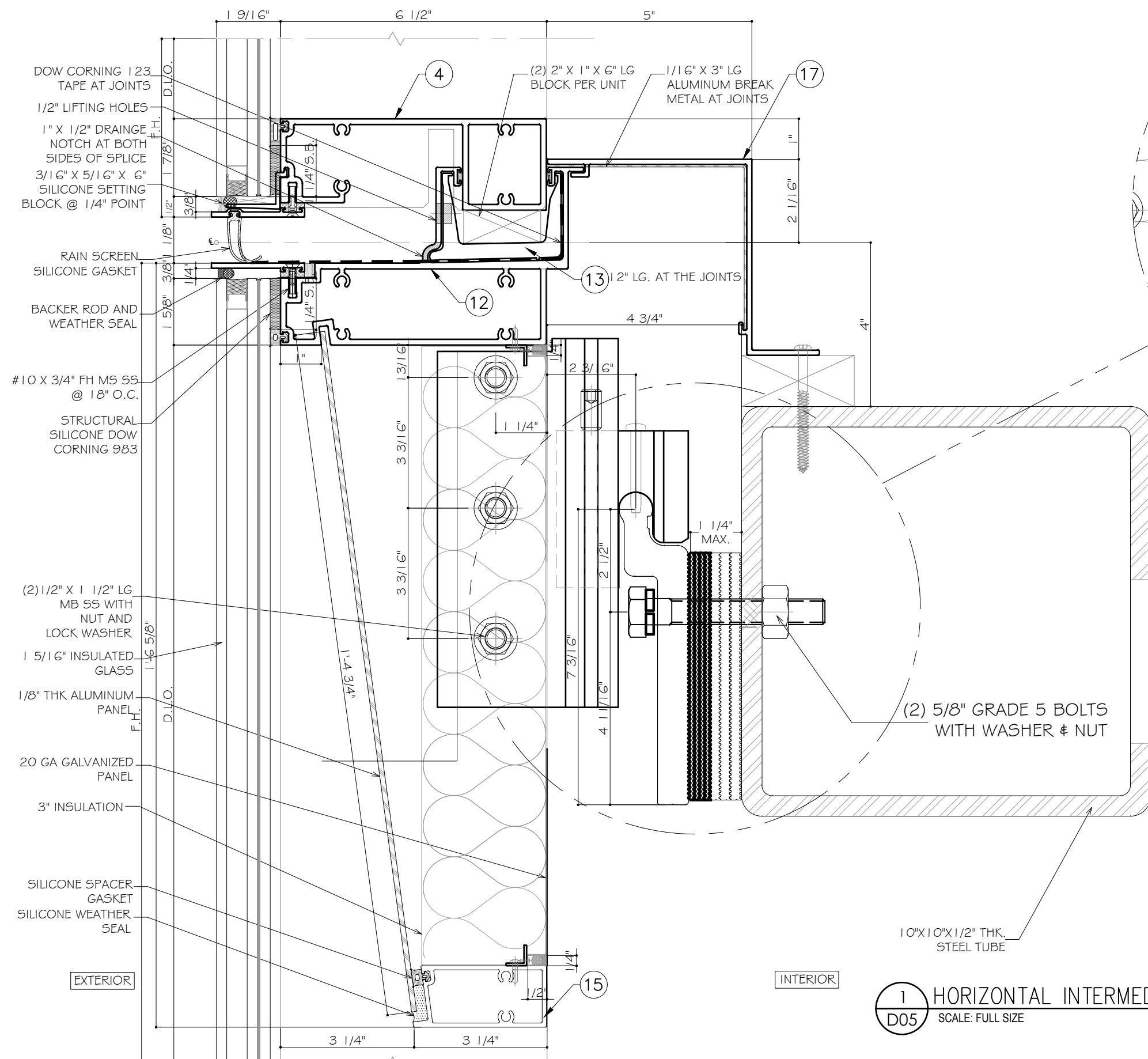


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TEL. (305) 231-1101 FAX. (305) 231-1103

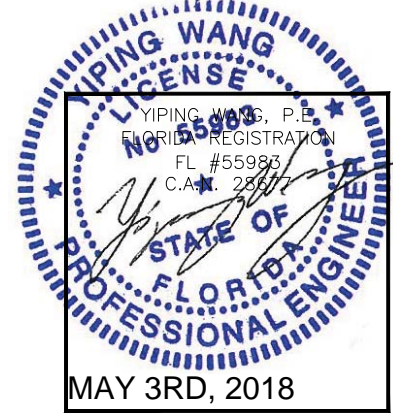
Rev. No.	Date	Drawn By	Description

Drawn Date: 04/20/2018 Scale: FL#22011
DRAWING NO. AD18-15
D04A
Sheet No. 16 OF 29



NOTE:
EMBED OPTION TO BE ENGINEERED BY
DELEGATED ENGINEER.

1 HORIZONTAL INTERMEDIATE DETAIL
D05 SCALE: FULL SIZE



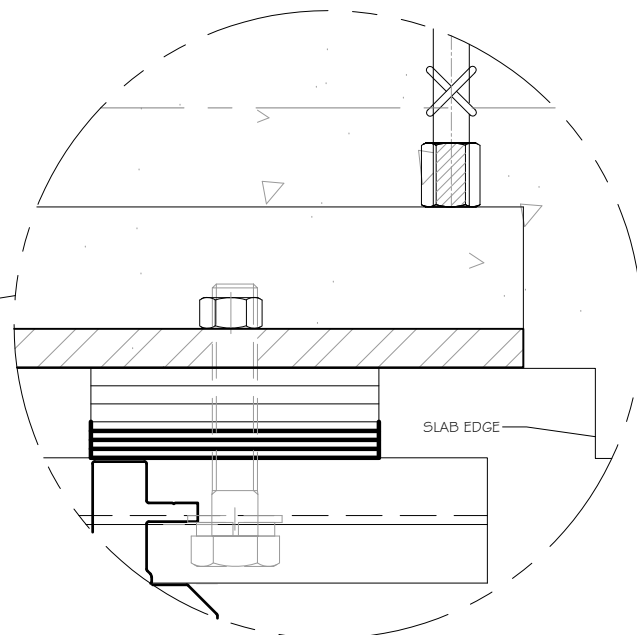
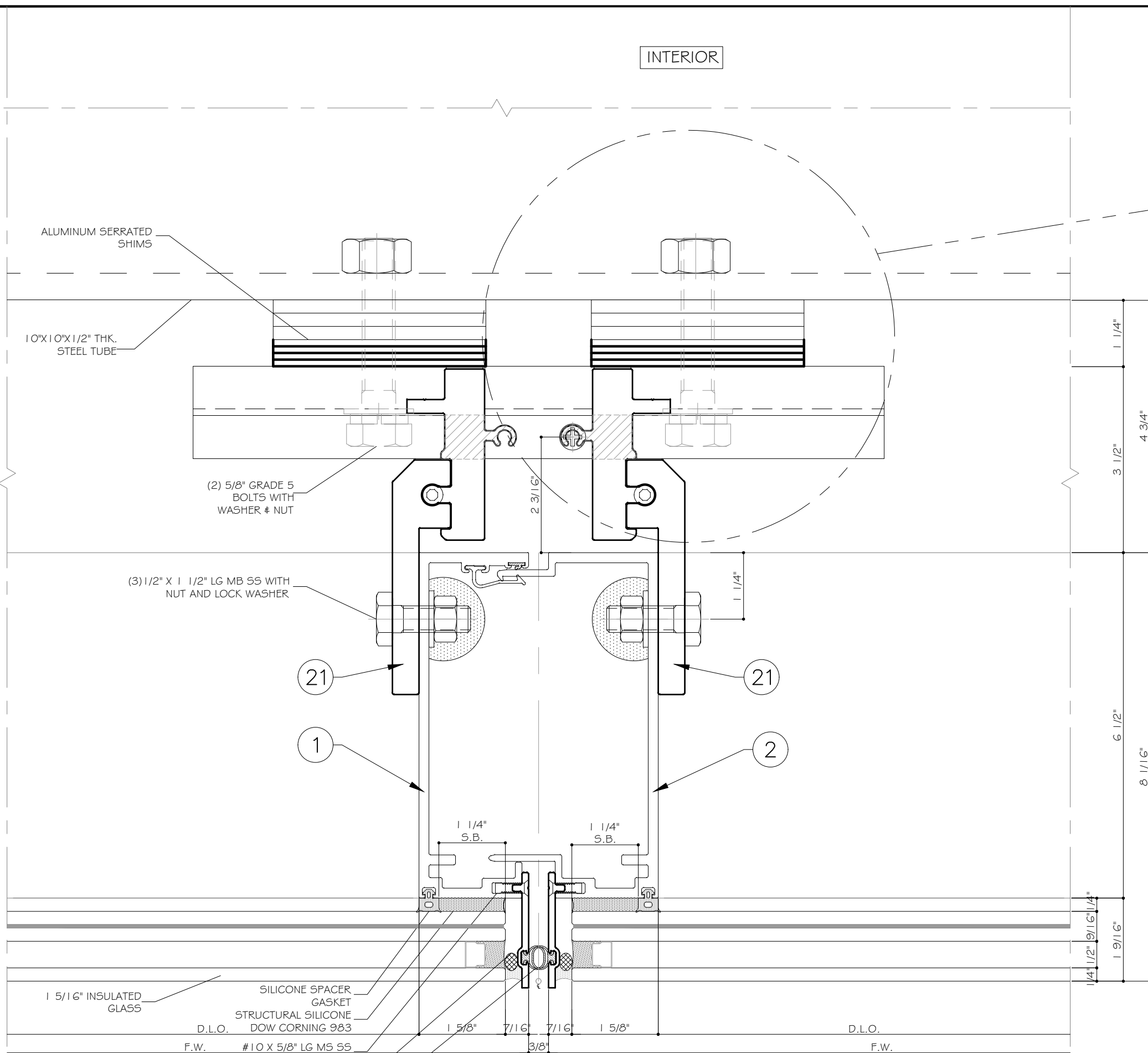
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MIAMI, FL 33183
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www.MCYEngineering.com

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Rev. No.	Date	Drawn By	Description

Drawn Date 04/20/2018	Scale
FL#22011	DRAWING NO.
AD18-15	D05
Sheet No.	17 OF 29

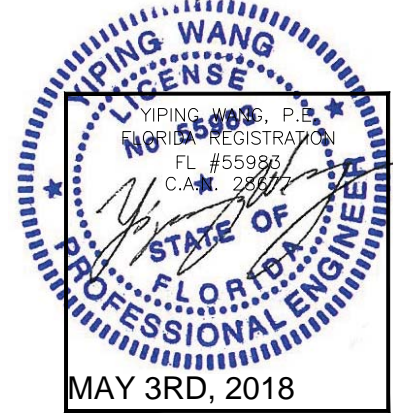
INTERIOR



NOTE:
EMBED OPTION TO BE ENGINEERED BY
DELEGATED ENGINEER.

- 1 5/16" INSULATED GLASS
- SILICONE SPACER GASKET
- STRUCTURAL SILICONE
- D.L.O. DOW CORNING 983
- F.W. #10 X 5/8" LG MS SS @ 18" O.C.
- CONT. PERIMETER SEALANT DOW795 & BACKER ROD
- SILICONE BULB GASKET

1 INTER. MULLION
D06 SCALE: FULL SIZE

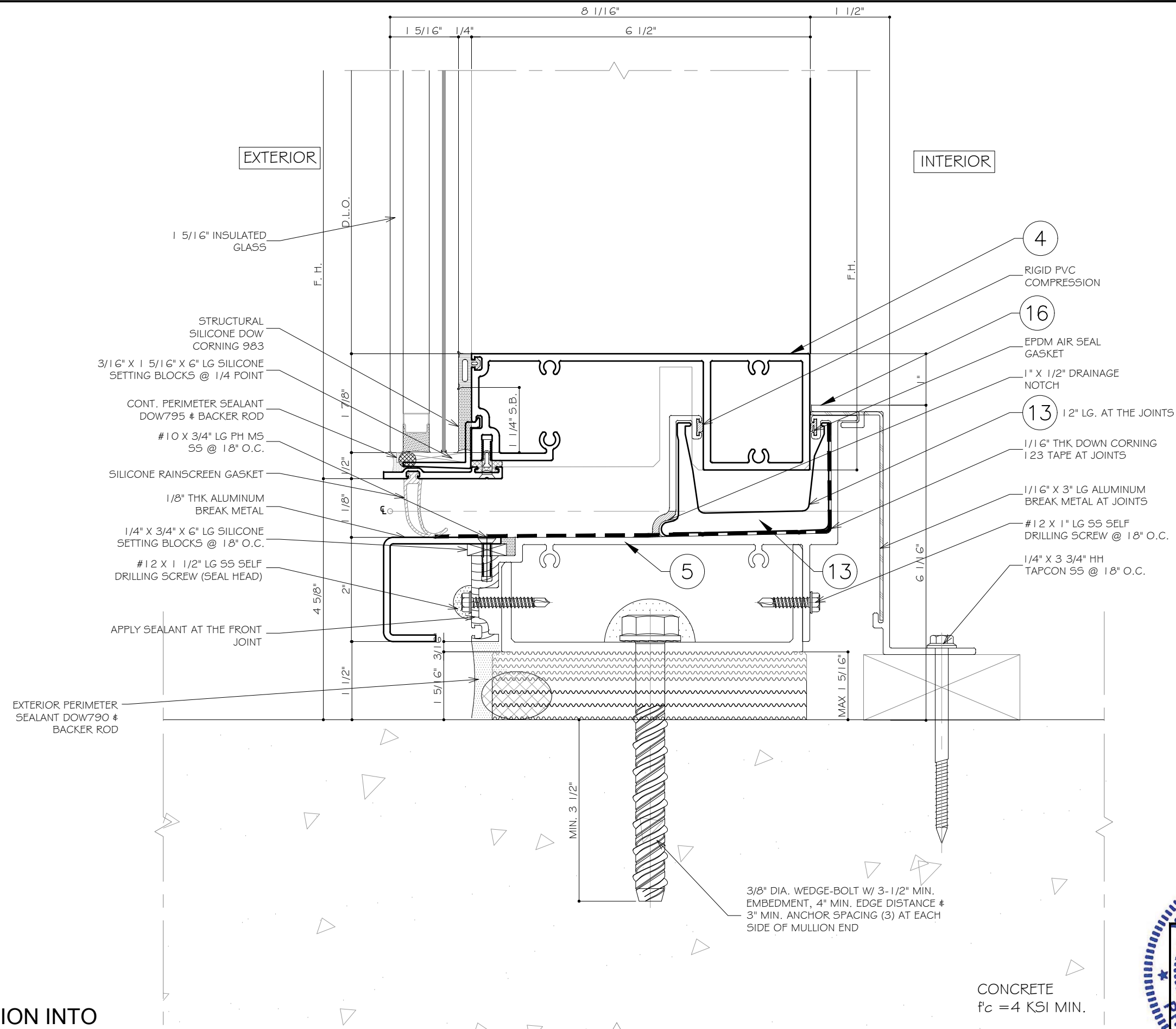


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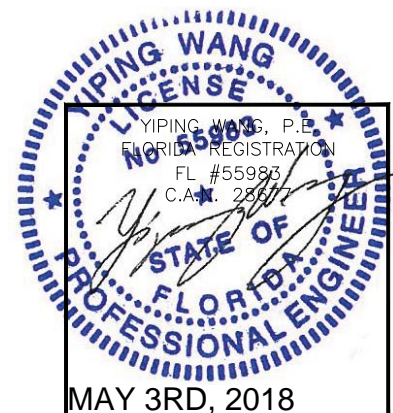
Rev. No.	Date	Drawn By	Description

Drawn Date: 04/20/2018 Scale: FL#22011
DRAWING NO. AD18-15
DO6
Sheet No. 18 OF 29



NOTE:
 SILL ANCHOR OPTION INTO STEEL TO BE ENGINEERED BY DELEGATED ENGINEER.

1 SILL DETAIL
 D07 SCALE: FULL SIZE

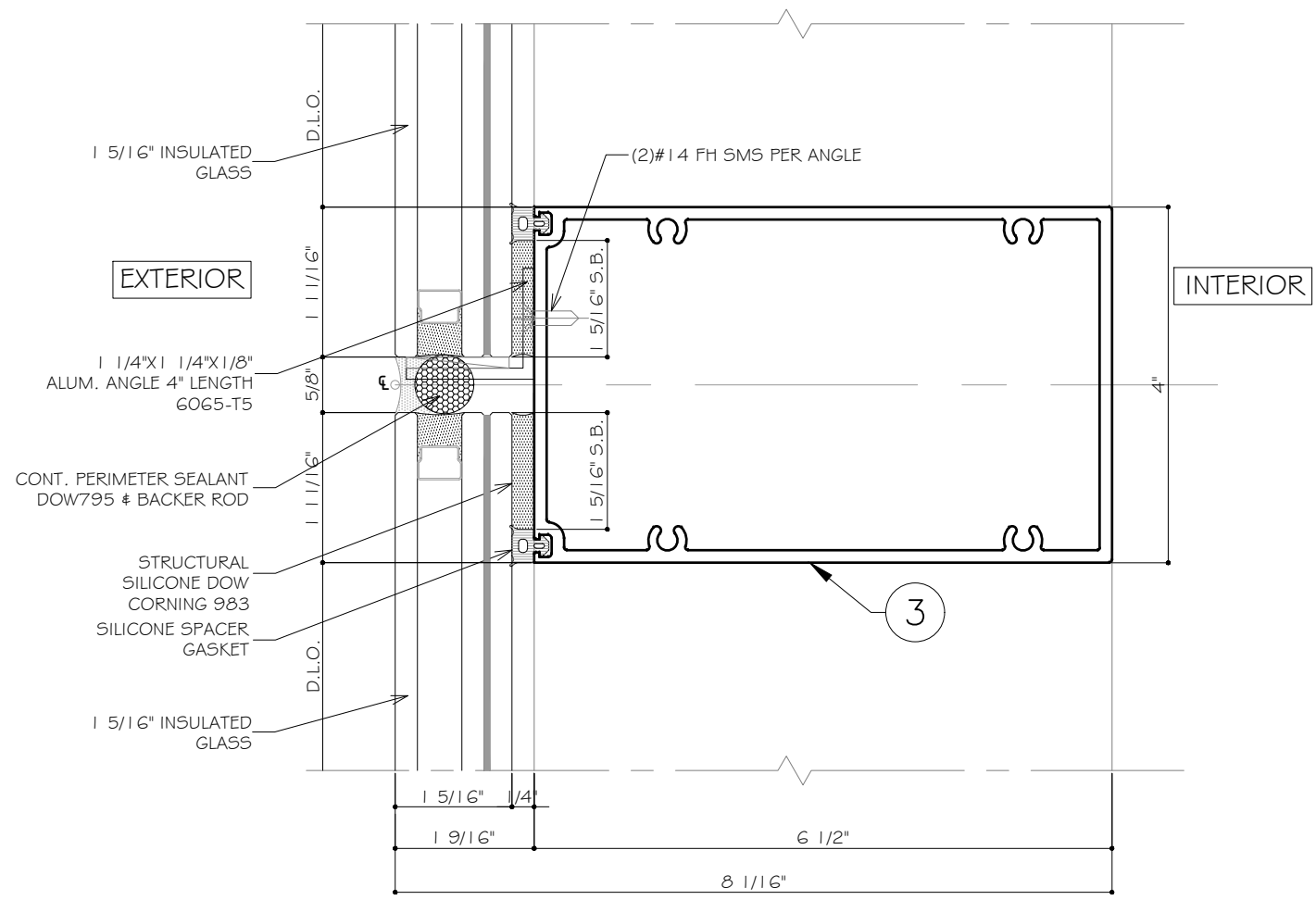


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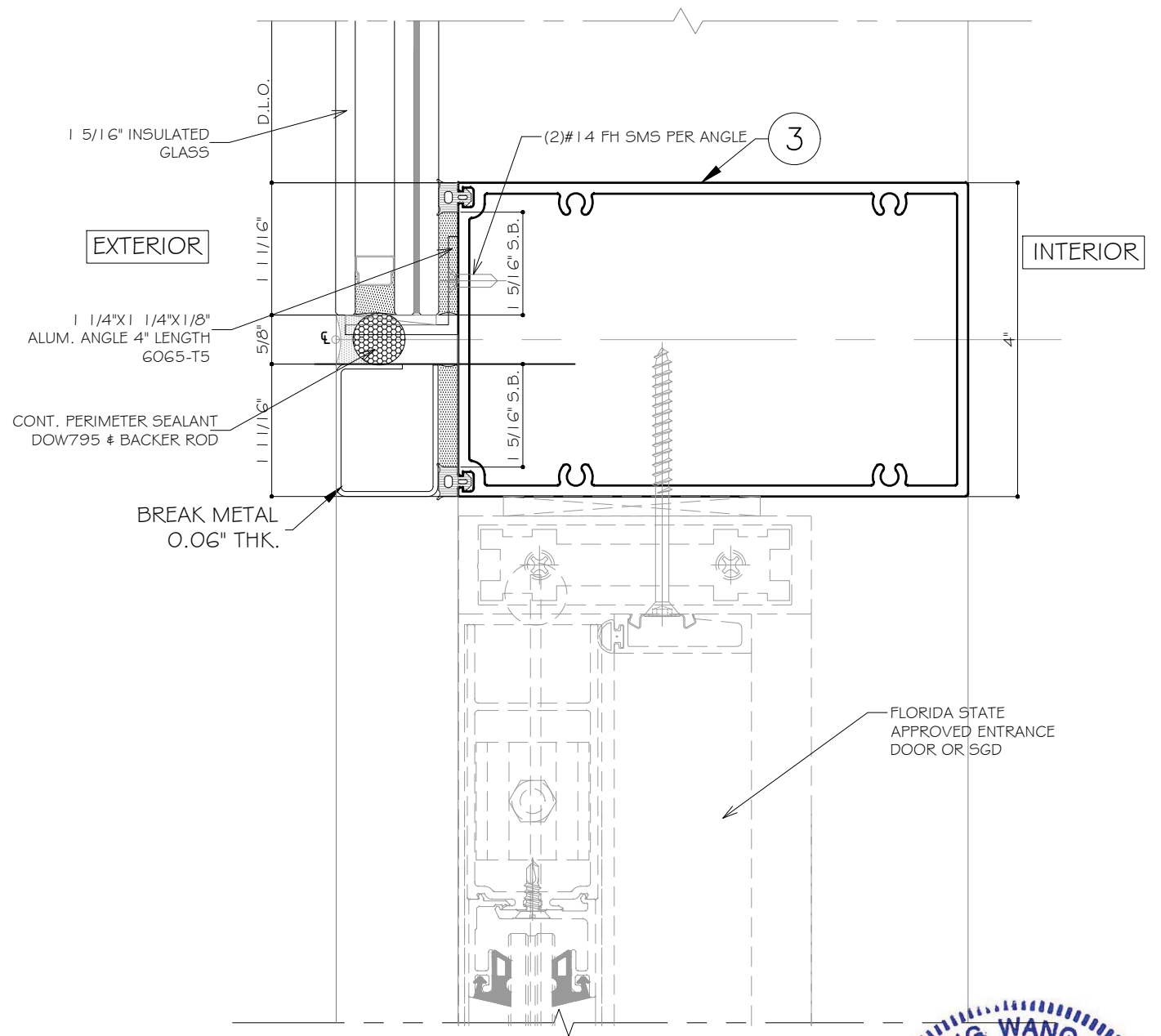
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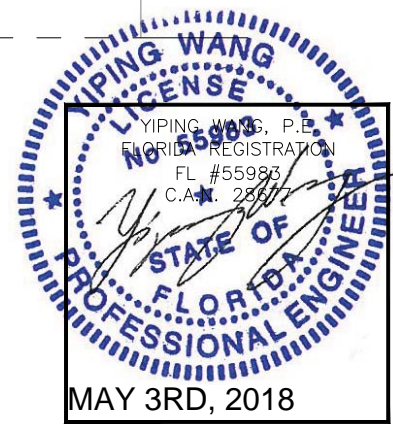
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 Scale: **FL#22011**
 DRAWING NO.: **AD18-15**
 Sheet No.: **D07**
 19 OF 29



1 HORIZONTAL DETAIL
D08 SCALE: FULL SIZE



2 HORIZONTAL DETAIL
D08 SCALE: FULL SIZE

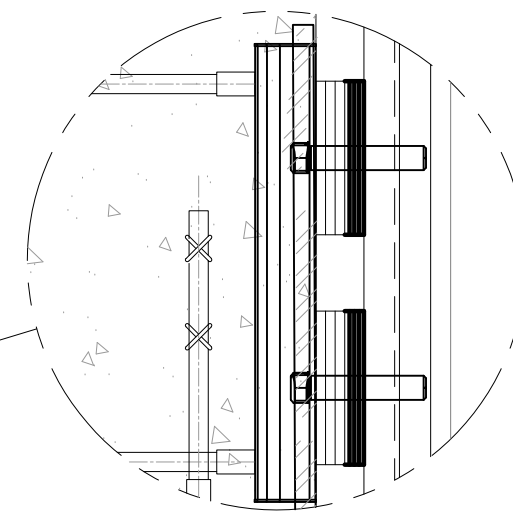
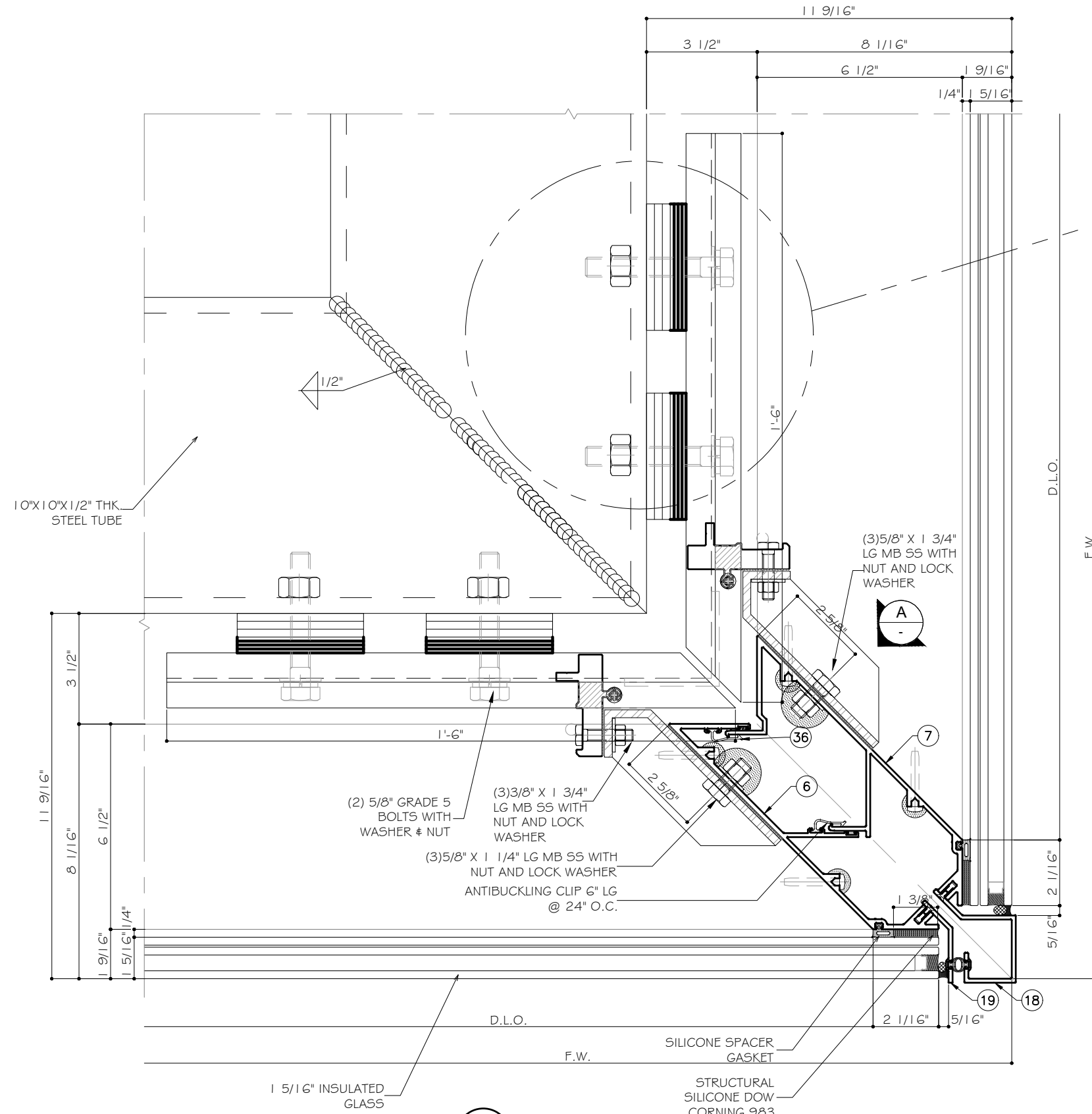


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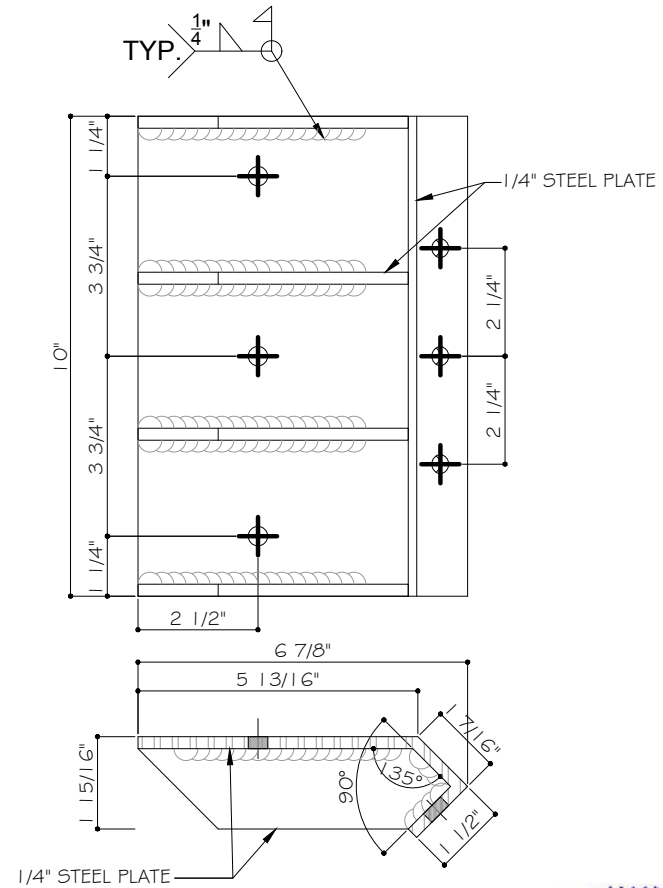
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Rev. No.	Date	Drawn By	Description

Drawn Date 04/20/2018	Scale
FL#22011 DRAWING NO.	
AD18-15	
D08	
Sheet No. 20 OF 29	

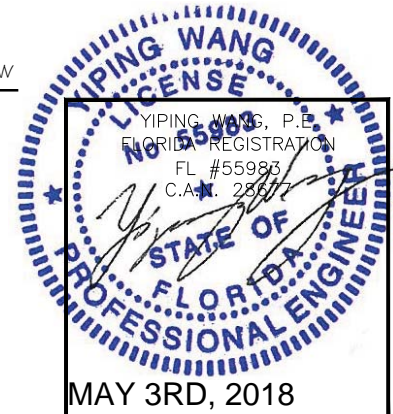


NOTE:
EMBED OPTION TO BE ENGINEERED BY
DELEGATED ENGINEER.



A DIRECTION BRACKET VIEW

1 CORNER DETAIL
D09 SCALE: FULL SIZE

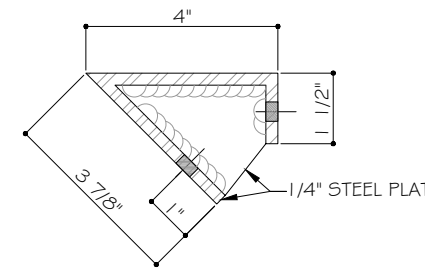
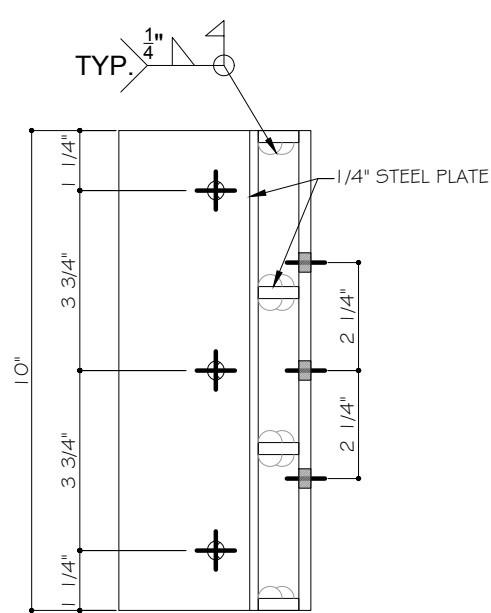
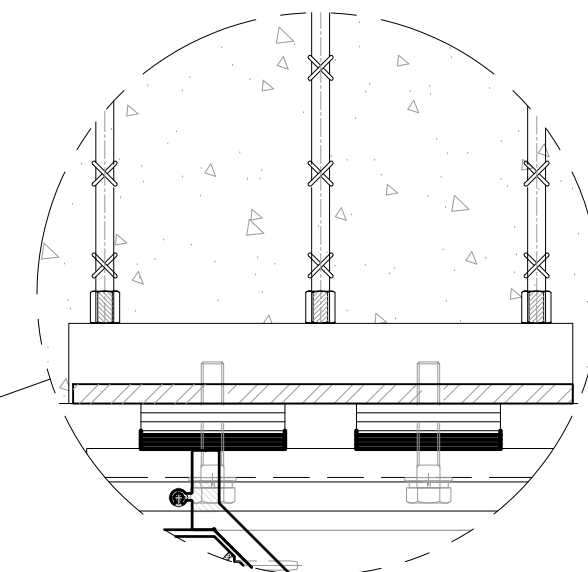
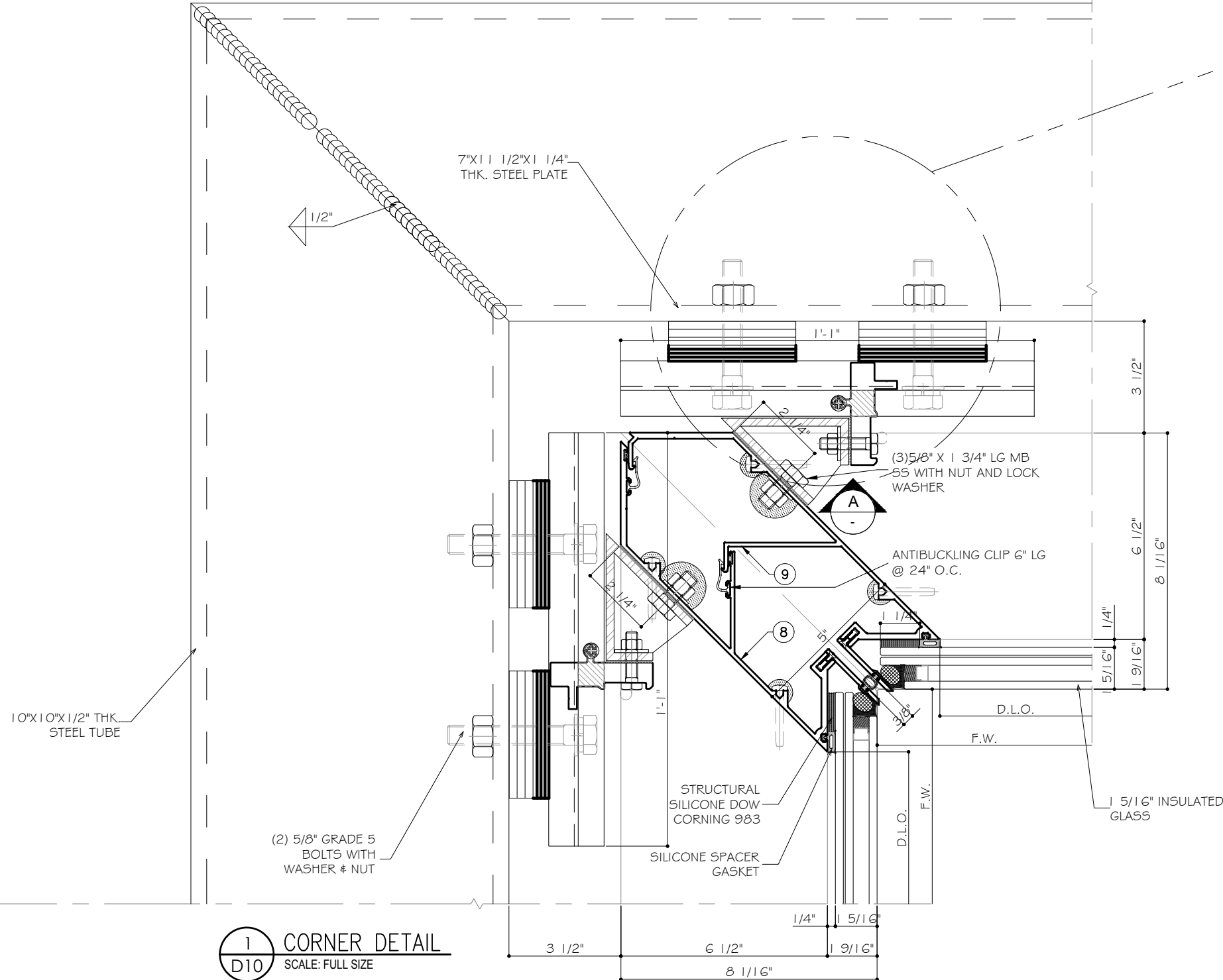


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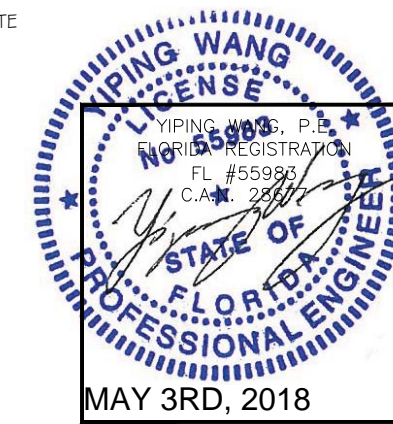
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Rev. No.	Date	Drawn By	Description

Drawn Date: 04/20/2018 Scale:
 FL#22011 DRAWING NO.
 AD18-15
 D09 Sheet No.
 21 OF 29



1 CORNER DETAIL
D10 SCALE: FULL SIZE



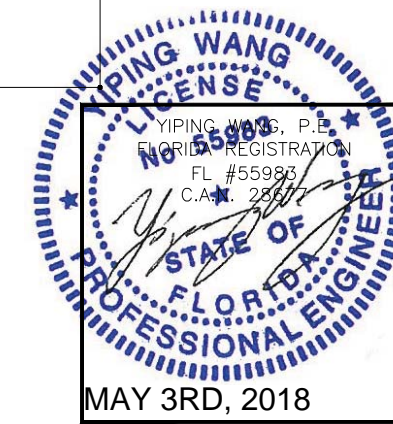
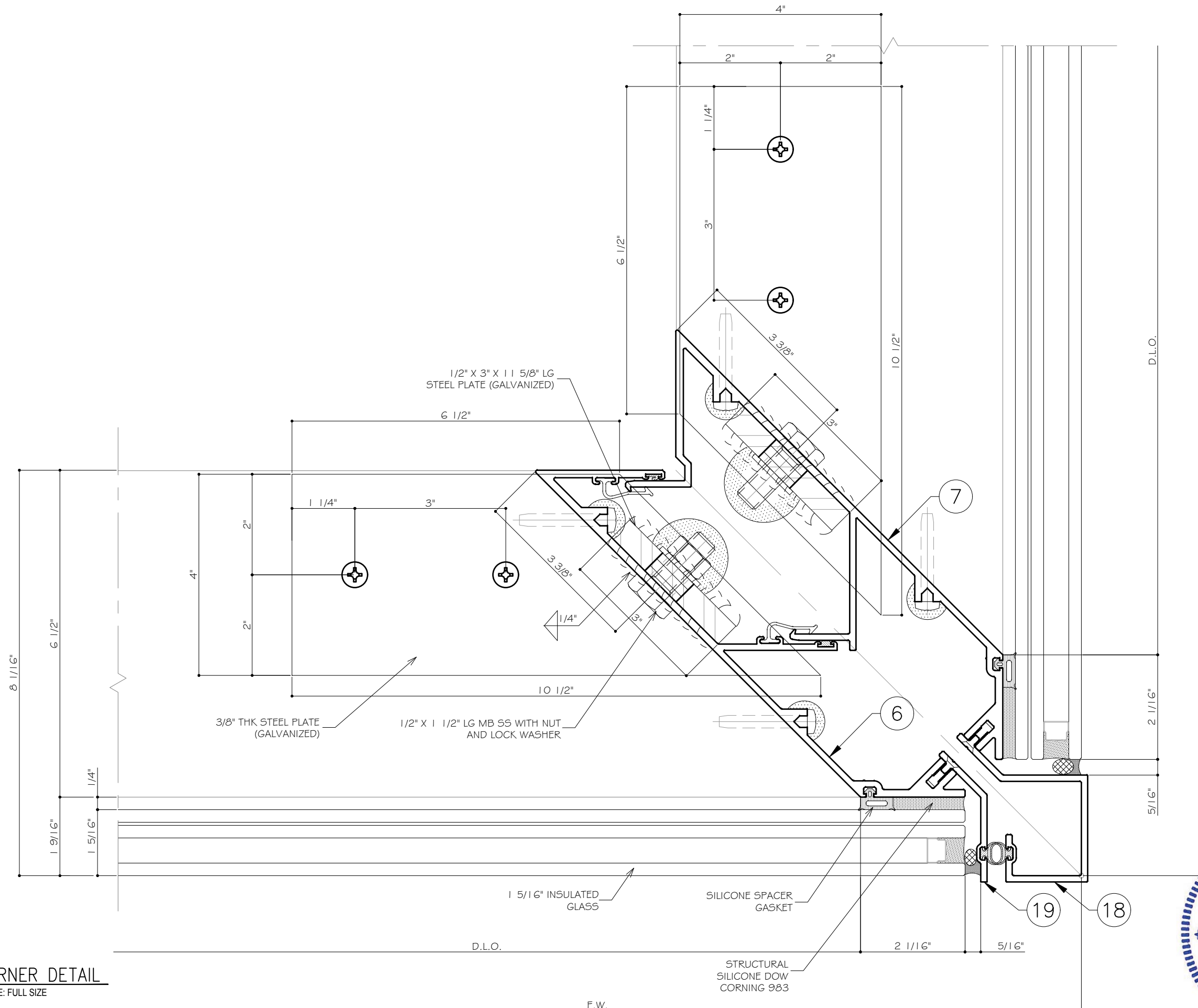
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Rev. No.	Date	Drawn By	Description

Drawn Date: 04/20/2018
Scale: FL#22011
DRAWING NO.: AD18-15
Sheet No.: D10
22 OF 29

1 CORNER DETAIL
D11 SCALE: FULL SIZE

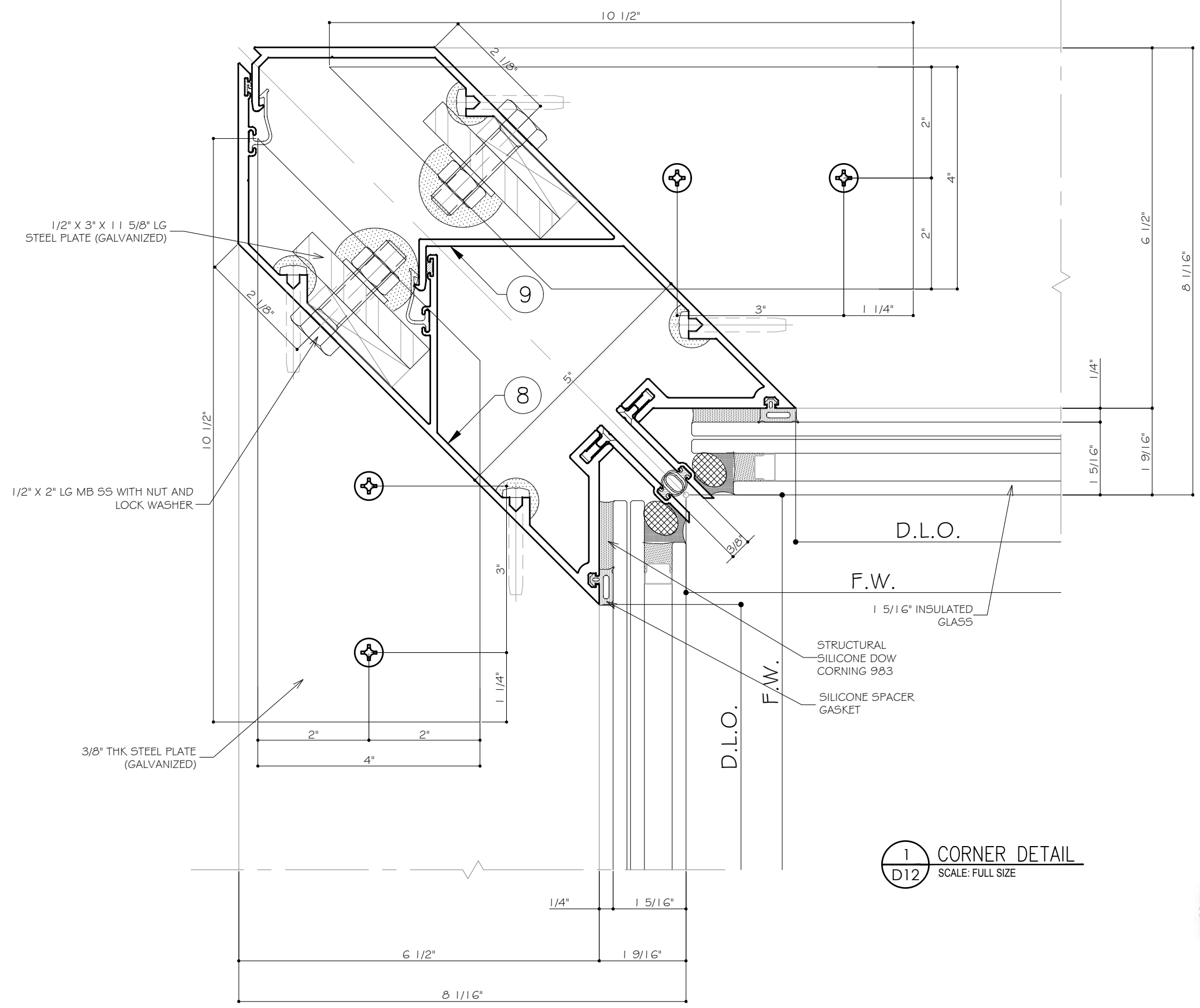


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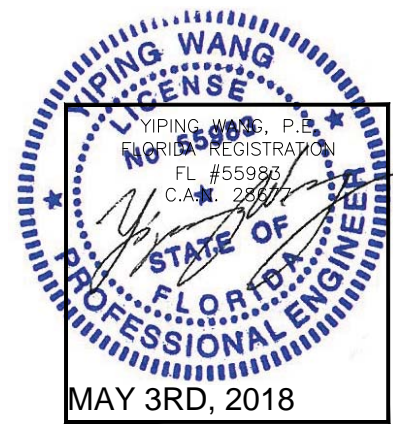
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Drawn Date 04/20/2018	Scale
FL#22011 DRAWING NO.	
AD18-15	
D11	
Sheet No.	23 OF 29



1 CORNER DETAIL
D12 SCALE: FULL SIZE

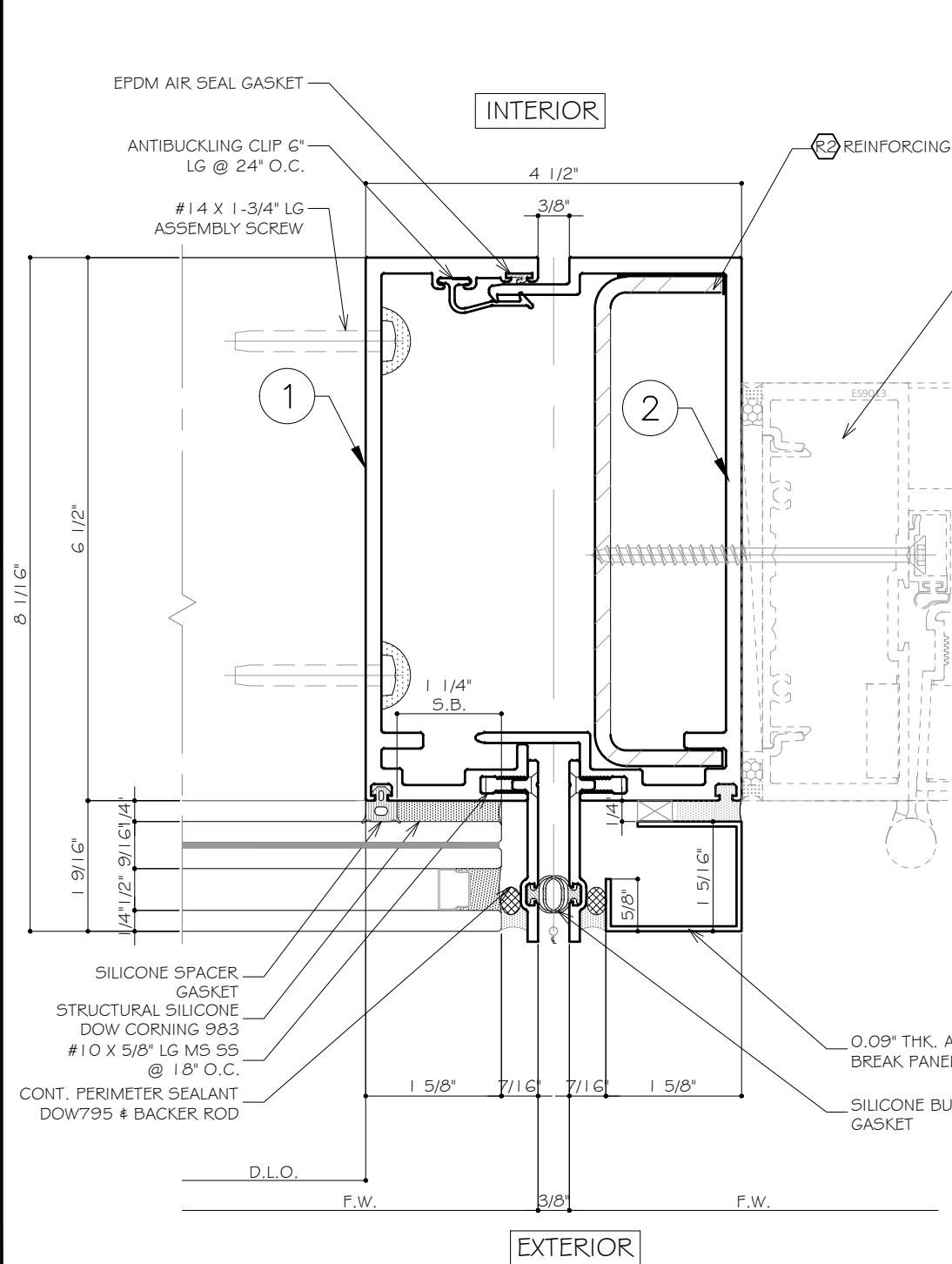


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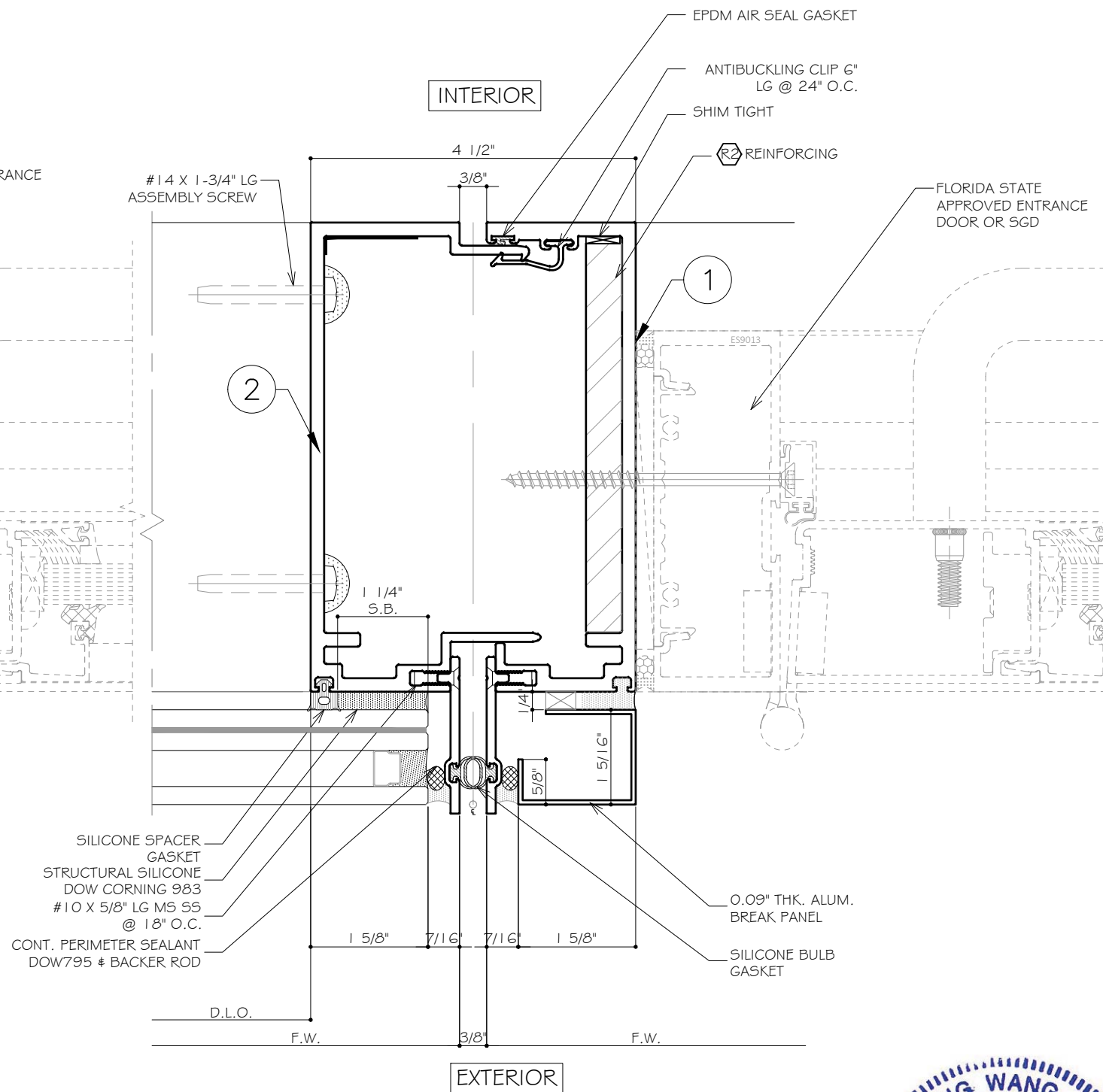
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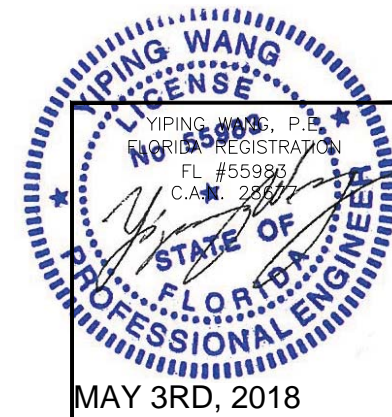
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FL#22011 DRAWING NO.	
AD18-15	
D12 Sheet No.	
24 OF 29	



1 DOOR JAMB MULLION DETAIL
D13 SCALE: FULL SIZE



1 DOOR JAMB MULLION DETAIL
D13 SCALE: FULL SIZE

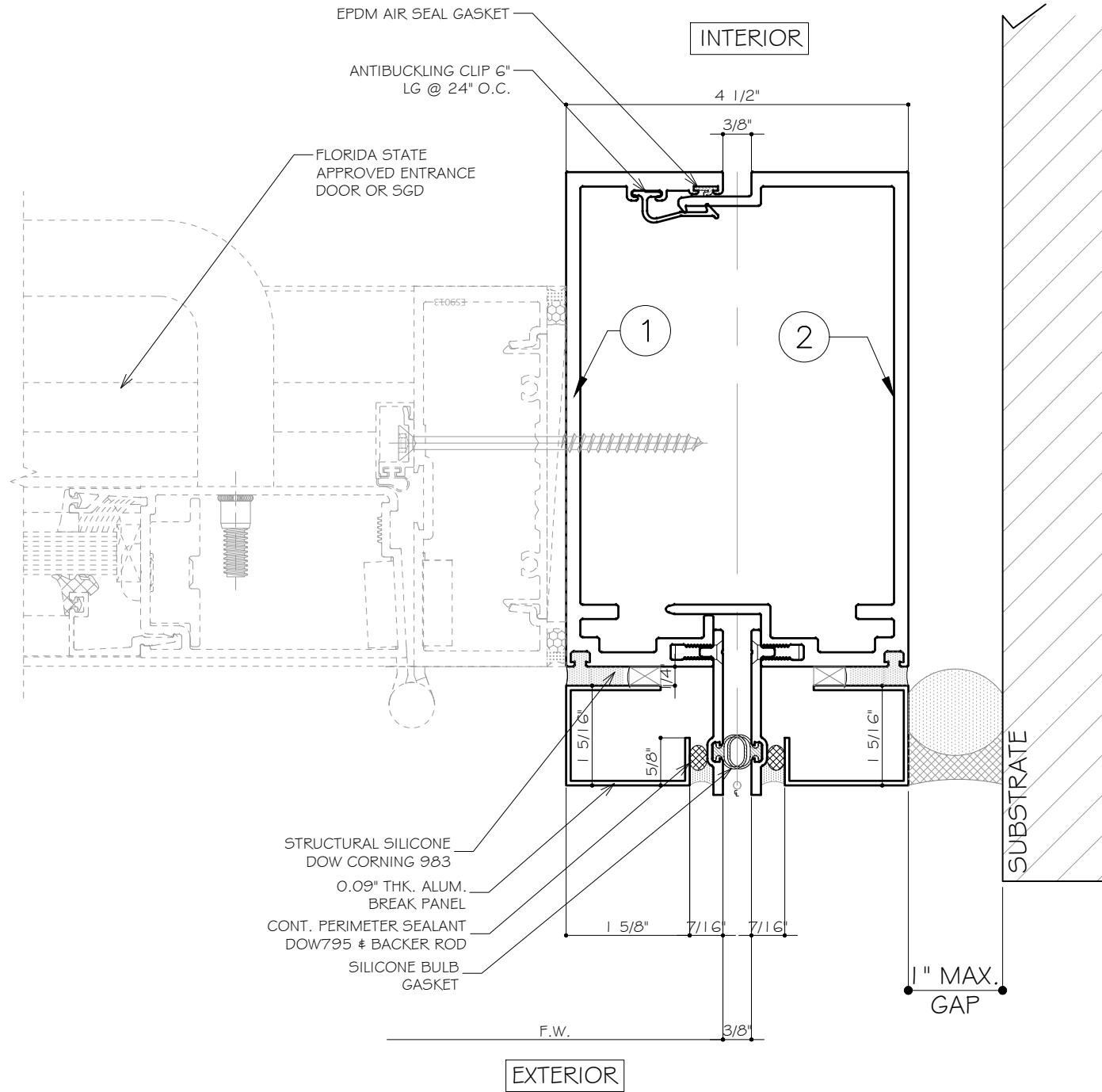


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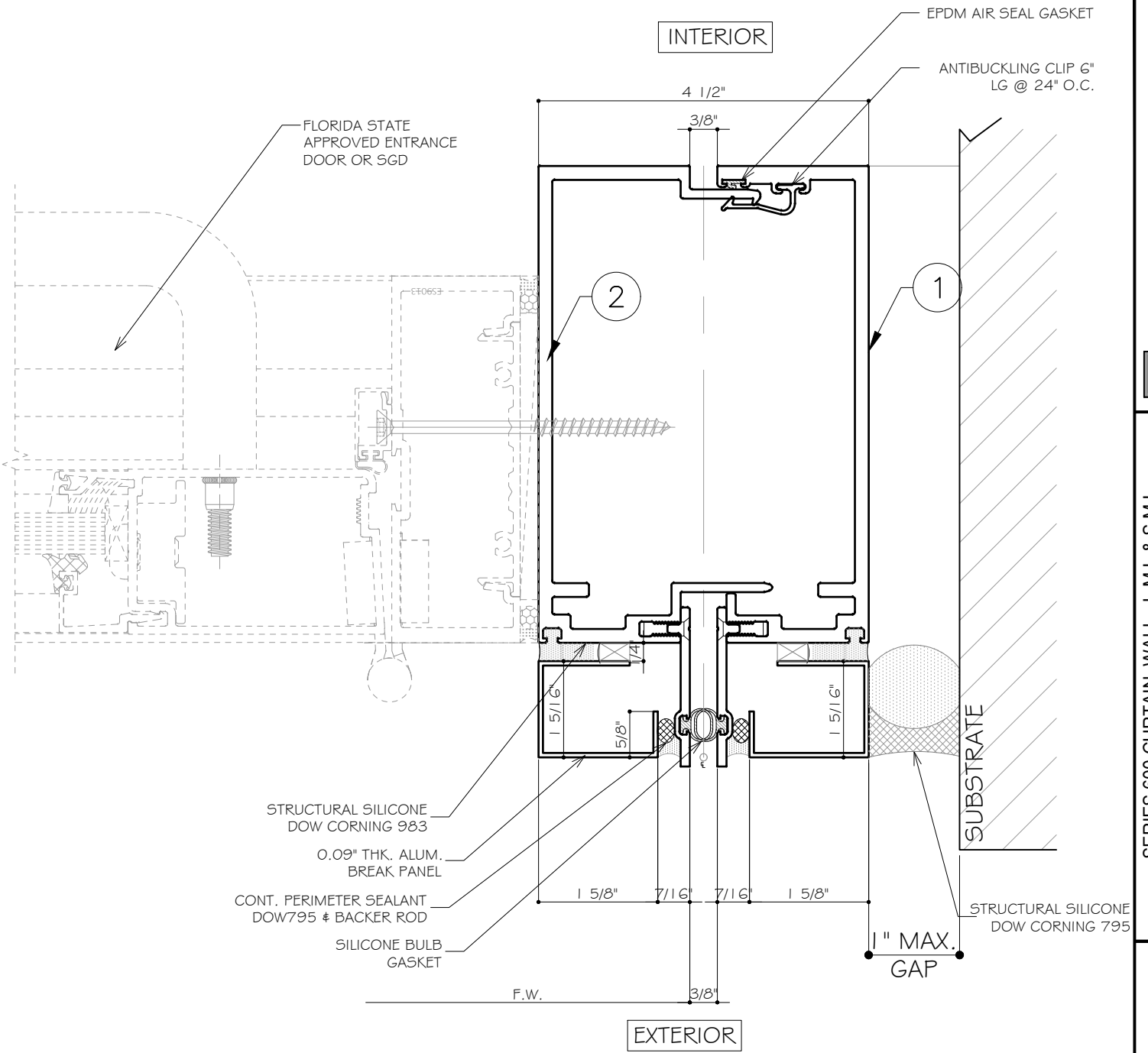
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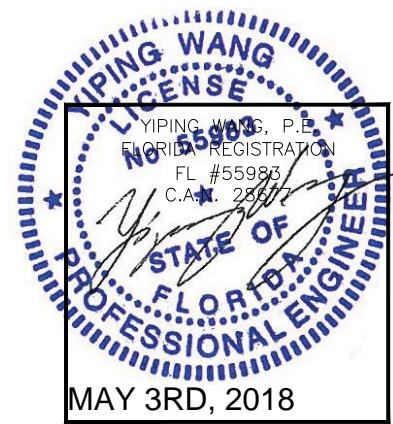
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Scale: FL#22011
DRAWING NO.: AD18-15
D13
Sheet No.: 25 OF 29



1 DOOR JAMB DETAIL
D14 SCALE: FULL SIZE

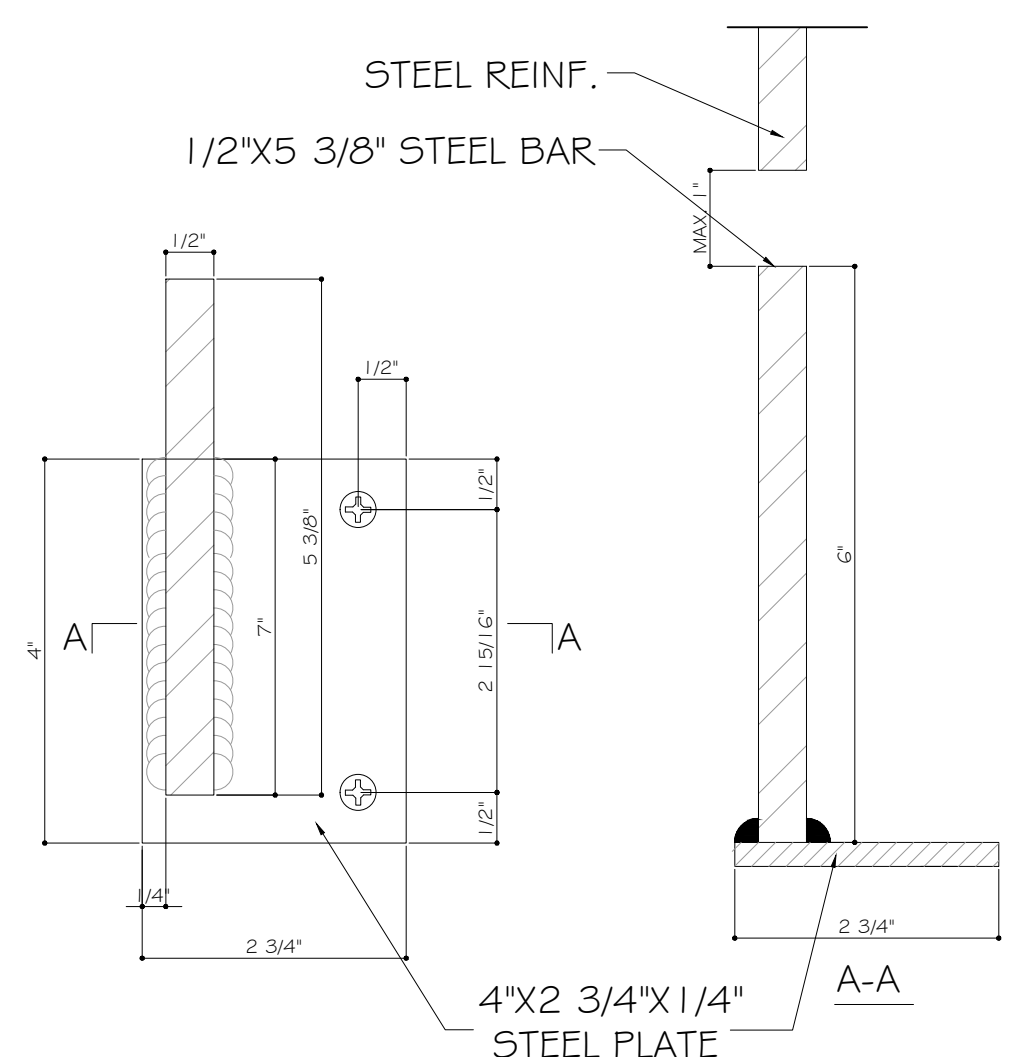
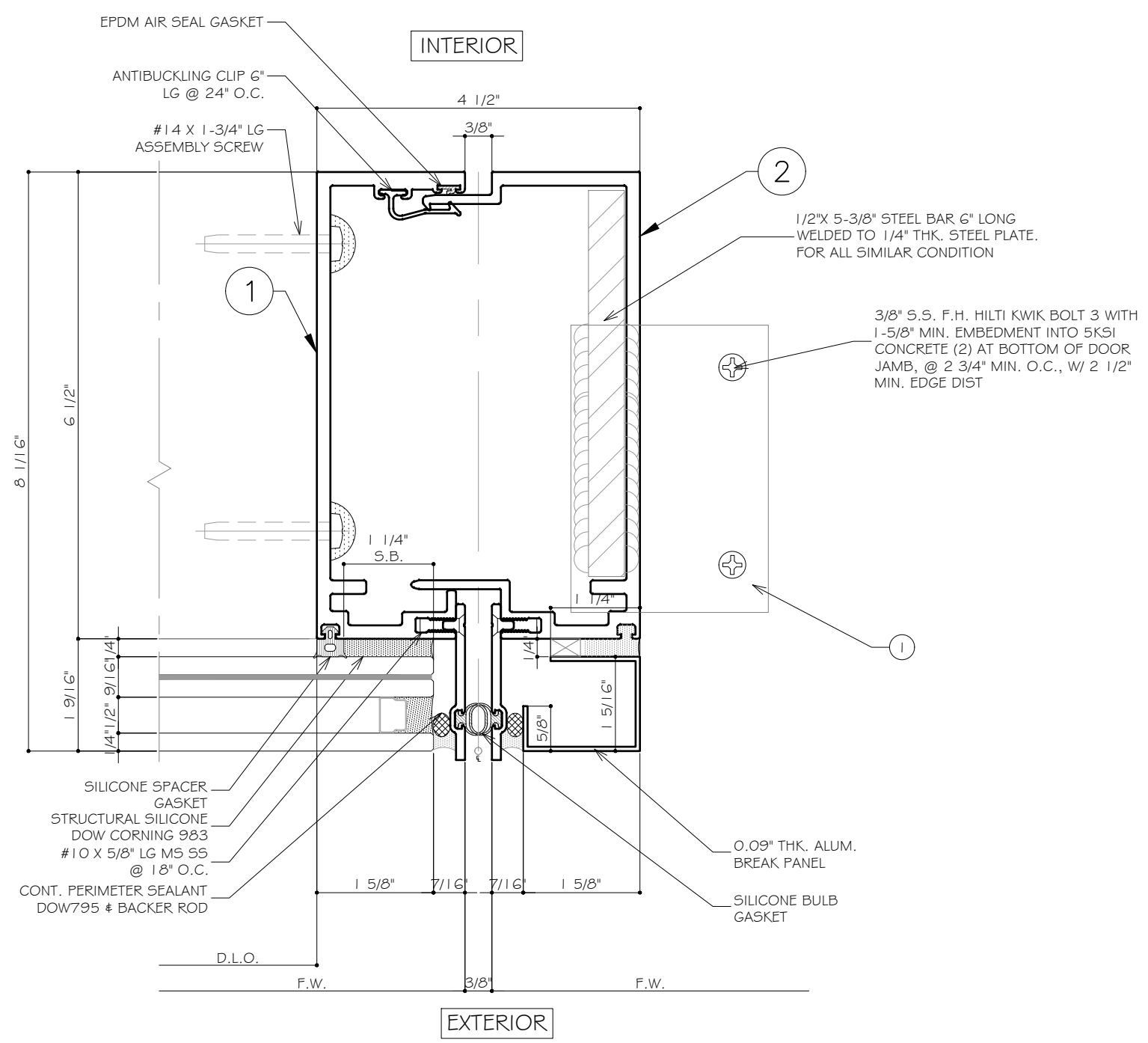


1 DOOR JAMB DETAIL
D14 SCALE: FULL SIZE

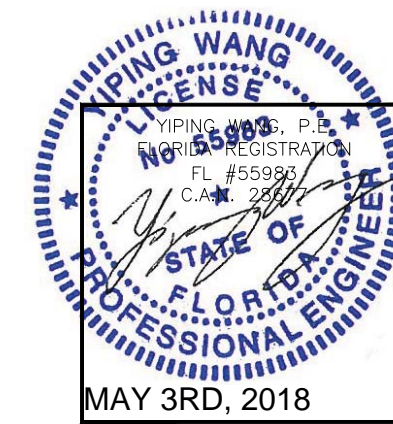


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Drawn Date 04/20/2018	Scale
FL#22011 DRAWING NO.	
AD18-15	
D14	
Sheet No. 26 OF 29	



1 JAMB DETAIL
D15 SCALE: FULL SIZE

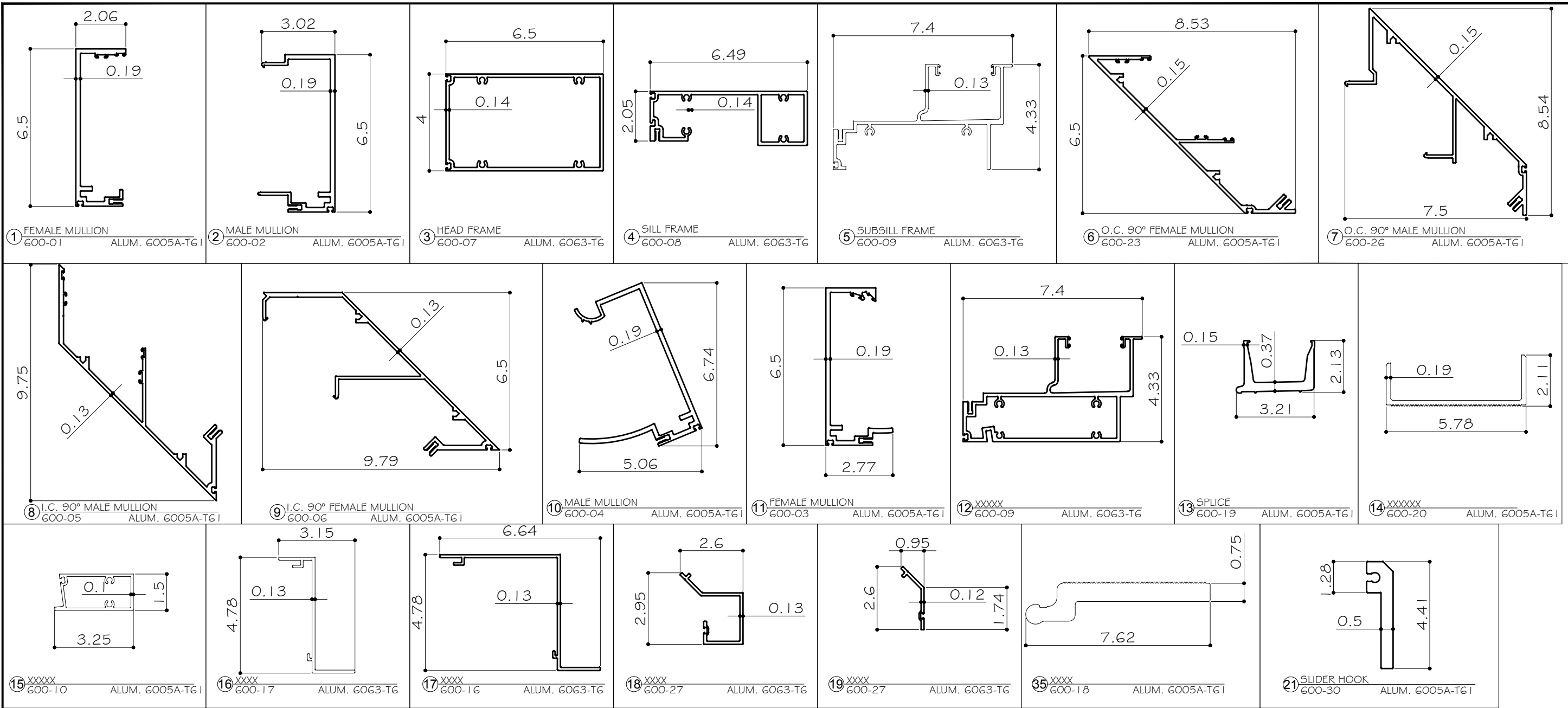


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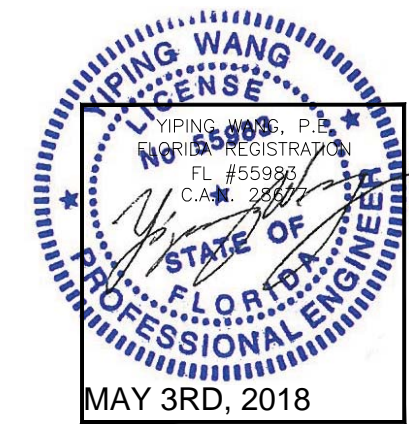
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Drawn Date: 04/20/2018 Scale:
 FL#22011 DRAWING NO.
 AD18-15
 D15 Sheet No.
 27 OF 29



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Rev. No.	Date	Drawn By	Description

Drawn Date: 04/20/2018 Scale:
 Drawing No.: FL#22011
 AD18-15
 PARTS
 Sheet No.: 28 OF 29

BILL OF MATERIALS

ITEM	PART	DESCRIPTION	MATERIAL	MANUF. / REMARKS
1	600-01	FEMALE MULLION	ALUM. 6005A-T6 I	KEYMARK CORPORATION
2	600-02	MALE MULLION	ALUM. 6005A-T6 I	KEYMARK CORPORATION
3	600-07	HEAD FRAME	ALUM. 6063-T6	KEYMARK CORPORATION
4	600-08	SILL FRAME	ALUM. 6063-T6	KEYMARK CORPORATION
5	600-0X	SUBSILL FRAME	ALUM. 6063-T6	KEYMARK CORPORATION
6	600-23	OUTSIDE CORNER 90° FEMALE MULLION	ALUM. 6005A-T6 I	KEYMARK CORPORATION
7	600-26	OUTSIDE CORNER 90° MALE MULLION	ALUM. 6005A-T6 I	KEYMARK CORPORATION
8	600-05	INSIDE CORNER 90° MALE MULLION	ALUM. 6005A-T6 I	KEYMARK CORPORATION
9	600-06	INSIDE CORNER 90° FEMALE MULLION	ALUM. 6005A-T6 I	KEYMARK CORPORATION
10	600-04	MALE MULLION	ALUM. 6005A-T6 I	KEYMARK CORPORATION
11	600-03	FEMALE MULLION	ALUM. 6005A-T6 I	KEYMARK CORPORATION
12	600-09	XXXXX	ALUM. 6063-T6	KEYMARK CORPORATION
13	600-19	SPLICE	ALUM. 6005A-T6 I	KEYMARK CORPORATION
14	600-20	SUBSILL BRACKET	ALUM. 6005A-T6 I	KEYMARK CORPORATION
15	600-10	XXXXX	ALUM. 6005A-T6 I	KEYMARK CORPORATION
16	600-17	XXXXX	ALUM. 6063-T6	KEYMARK CORPORATION
17	600-16	XXXXX	ALUM. 6063-T6	KEYMARK CORPORATION
18	600-27	XXXXX	ALUM. 6063-T6	KEYMARK CORPORATION
19	-	ANTI BUCKLING CLIP	ALUM. 6063-T6	KEYMARK CORPORATION
21	600-30	SLIDER HOOK	-	KEYMARK CORPORATION
22	600-29	ANCHOR HOOK	-	KEYMARK CORPORATION
23	600-28	GLASS SUPPORT	-	KEYMARK CORPORATION
24	600-24	XXXX	-	KEYMARK CORPORATION
25	600-12	XXXXX	-	KEYMARK CORPORATION
26	-	GLASS SPACER	-	-
27	-	#14 X 1-3/4" LG. F.H. SCREW	-	-
28	-	#14 X 1-3/4" LG. P.H. SCREW	-	-
29	-	#14 X 1" LG. P.H. SCREW	-	-
30	-	#10 X 5/8" LG. M.S. S.S. @ 18" O.C.	-	-
31	-	1/8" X 4" LG. Z-SHAPED ALUM. ANGLE AT TRANSOM LOCATION	-	-
32	-	1 1/2" X 5 7/8" X 1 1/2" X 3/16" THK. STEEL CHANNEL REINF.	-	-
33	-	1/2" X 5 3/8" STEEL BAR REINF.	-	-
34	-	3/8" X 10 1/4" X 6 1/2" STEEL PLATE	-	-
35	600-18	XXXX		
36	-	ANTI-BUCKLING CLIP		

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FL#22011		DRAWING NO.	
AD18-15		BOM	
Sheet No.		29 OF 29	

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FLORIDA REGISTRATION
FL #55983
C.A.# 286077
MAY 3RD, 2018