

TRULITE GLASS & ALUMINUM SOLUTIONS

SB752 SPLIT MULLION CURTAINWALL SYSTEM

GENERAL NOTES:

1.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 8TH EDITION (2023) AND HAS BEEN TESTED ACCORDING TO THE FOLLOWING:

• AAMA 501-15

• ASTM E283-04 (2012)

• ASTM E331-00 (2016)

• ASTM E330-14
2.

THIS CURTAINWALL SYSTEM IS FOR NON-IMPACT AND NON-HVHZ APPLICATION.
3.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE FOLLOWED.
4.

THE PRIMARY STRUCTURE WHERE THIS CURTAINWALL SYSTEM WILL BE INSTALLED MUST BE CAPABLE OF SUPPORTING ALL THE LOADS IMPOSED BY THIS CURTAINWALL SYSTEM.
5.

ANCHORS SHALL BE AS LISTED AND SPACED ACCORDING TO THE DETAILS PROVIDED. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS REQUIRED. ANCHOR EMBEDMENT INTO BASE MATERIAL MUST EXTEND BEYOND THE WALL DRESSING OR STUCCO. FOR INSTALLATION THROUGH A METAL FRAME, ENSURE A MINIMUM PENETRATION OF 3 THREADS BEYOND THE FRAME SUBSTRATE. FOR GROUTED FILLED BLOCK (CMU), DO NOT INSTALL ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM THE FREE EDGE OF THE BLOCK OR THE EDGE OF THE MORTAR JOINT IN THE FACE SHELL OF THE BLOCK. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTALLATION INSTRUCTIONS.
6.

INSTALLATION ANCHORS MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
7.

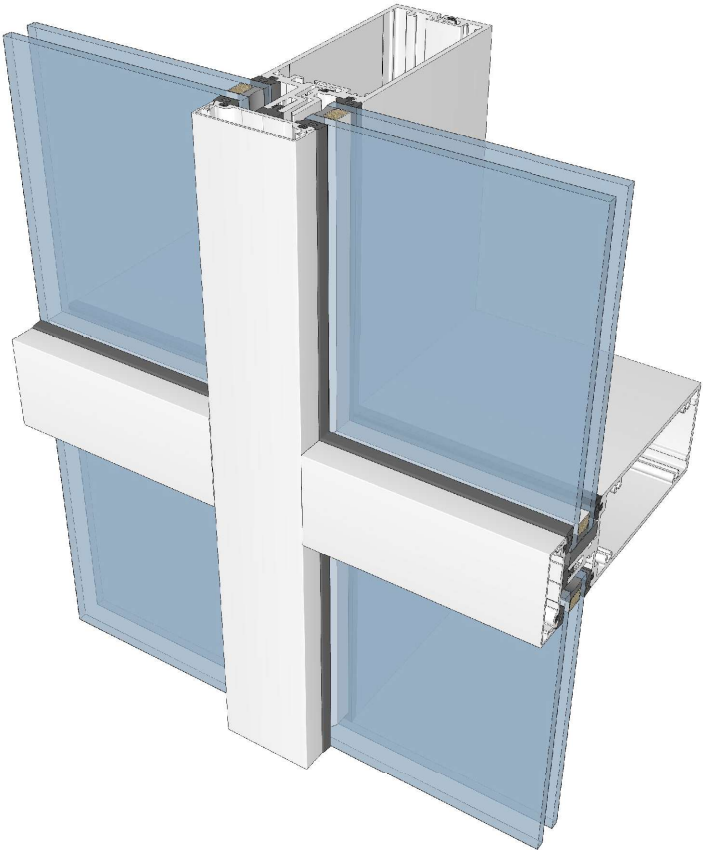
MATERIALS INCLUDING BUT NOT LIMITED TO STEEL AND METAL SCREWS, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BUILDING CODE & ADAPTED STANDARDS.
8.

ALL SHIMS MUST BE HIGH-IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.
9.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
10.

THE ULTIMATE LOAD OBTAINED FROM APPLICABLE ASCE 7 STANDARD MULTIPLIED BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAXIMUM DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS PRESENTED IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.
11.

THE GASKETS USED IN THIS FENESTRATION PRODUCT ARE IN COMPLIANCE WITH SECT. 2411.3.4 OF FBC 2023.



INSTRUCTIONS FOR USE:

1.

DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BUILDING HEIGHT AND WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
2.

SEE SHEET 2 FOR MAX. DLO AREA OF GLASS & DESIGN LOAD CAPACITY.
3.

CHECK THE MULLION AND JAMB CAPACITY FOR A SPECIFIED SPACING AND HEIGHT USING THE TABLES ON SHT. 5. FOR THE DOOR JAMBS, REFER TO SHTS. 6 & 7. THE CAPACITY MUST BE EQUAL TO OR GREATER THAN THE DESIGN LOAD.
4.

REFER TO SHTS. 8 TO 12 FOR ANCHOR TYPE & CAPACITY. THE ANCHOR CAPACITY MUST BE EQUAL TO OR GREATER THAN THE DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
5.

THE LOWEST VALUE RESULTING FROM STEP 2,3 AND 4 SHALL APPLY TO THE ENTIRE SYSTEM.

ABBREVIATIONS:

- DLO or D.L.O. - DAYLIGHT OPENING

REINF. - REINFORCEMENT
- BOTT. - BOTTOM

H.S.- HEATH STRENGTHENED
- TYP. - TYPICAL

F.T. - FULLY TEMPERED
- FH - FRAME HEIGHT
- DFOW - DOOR FRAME OPENING WIDTH
- DFOH - DOOR FRAME OPENING HEIGHT
- DP - DESIGN PRESSURE
- NTS - NOT TO SCALE
- W - WIDTH
- H - HEIGHT
- DP - DESIGN PRESSURE
- SLW - SIDELITE WIDTH
- O.C.- ON CENTER

LIMITATIONS OF USE

- A.

THIS FLORIDA PRODUCT APPROVAL DOCUMENT IS GENERIC AND DOES NOT PROVIDE INFORMATION ABOUT A SITE-SPECIFIC PROJECT OR WHERE THE SITE CONDITIONS DEVIATE FROM THIS DOCUMENT.
- B.

FOR CONDITIONS THAT DEVIATE FROM THE FLORIDA PRODUCT APPROVAL DOCUMENT, A FLORIDA REGISTERED ENGINEER OR ARCHITECT MUST REVIEW THESE CHANGES. THIS INDIVIDUAL WILL BECOME THE ENGINEER OF RECORD FOR THE PROJECT.



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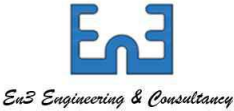
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p. 800-432-8132

PRODUCT:

SB752 Split Mullion
Curtainwall System
(Non-HVHZ / Non-Impact)

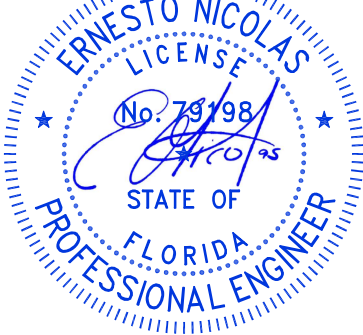
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ENGINEER:



950 SW 135th Way Sunrise,
FL 33325 P. 786 474 3876
Email: en3.engconsul@gmail.com

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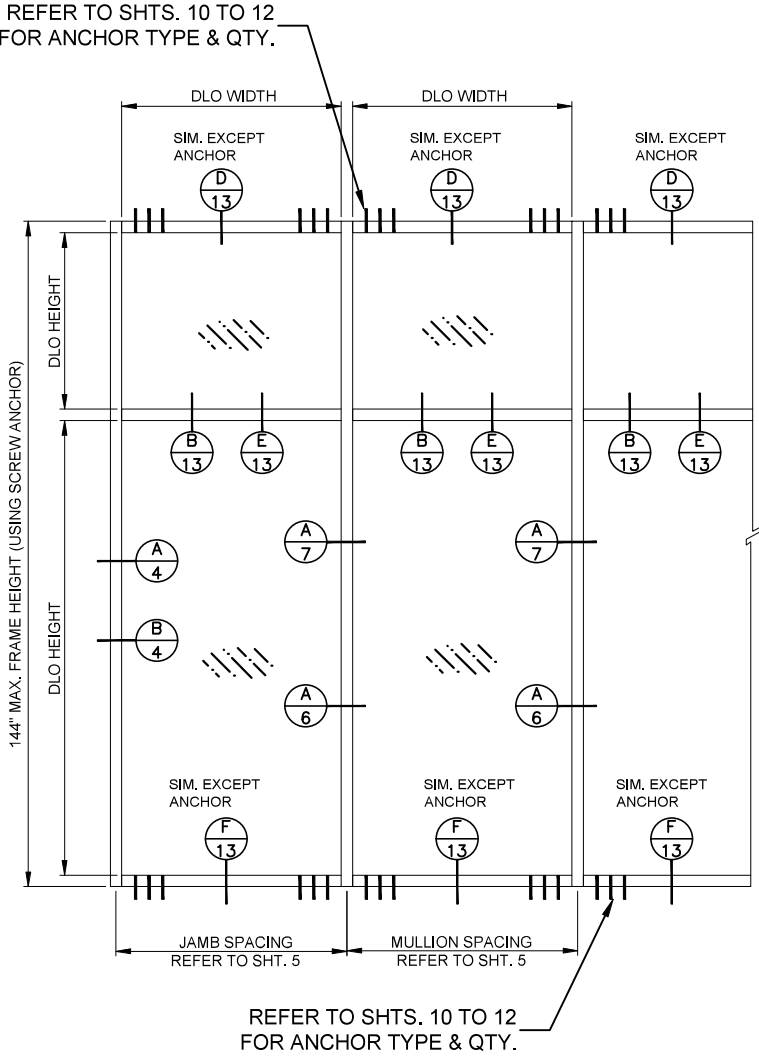
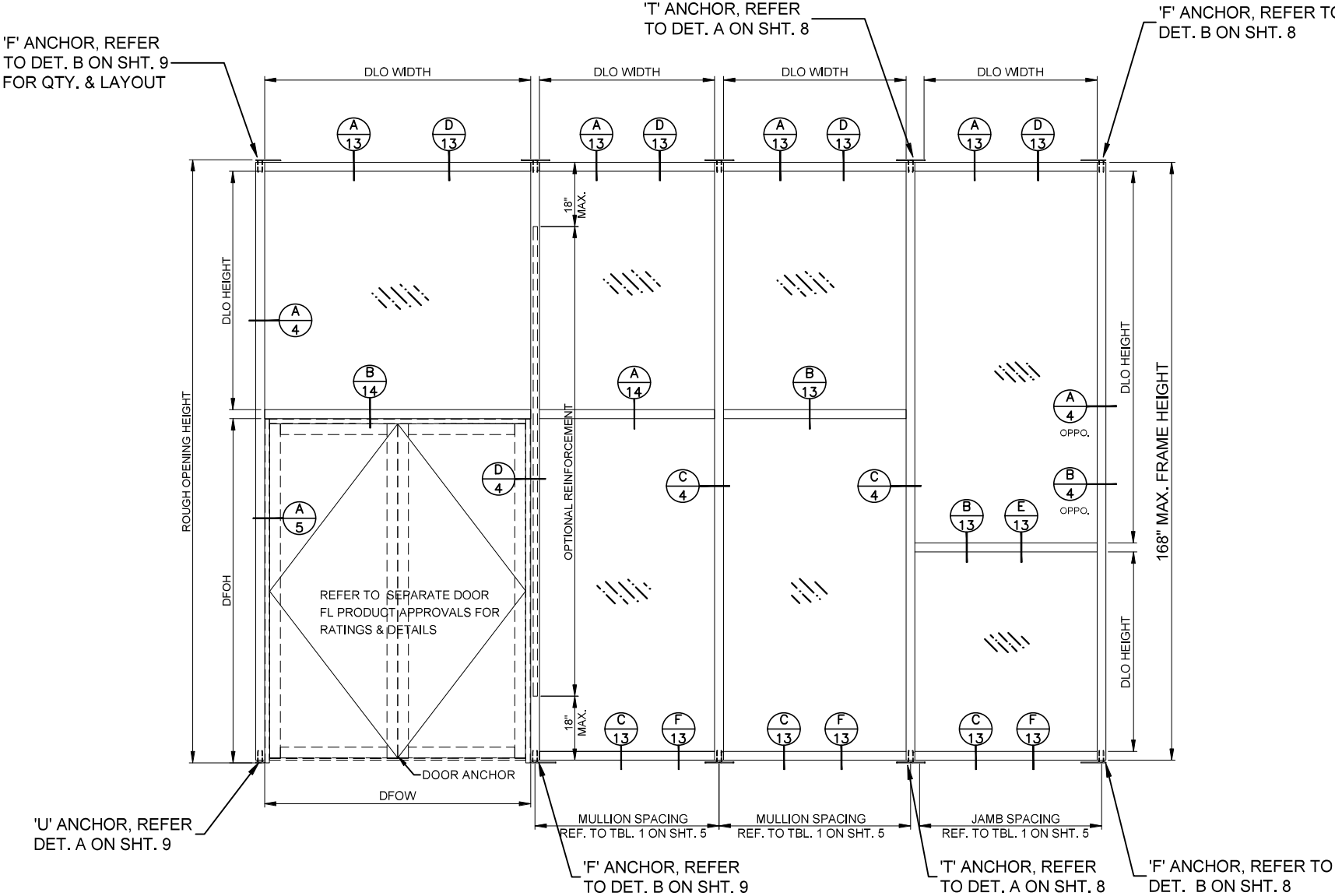
DATE: APRIL 19, 2025

DRAWN: Bobi CHK: ESN

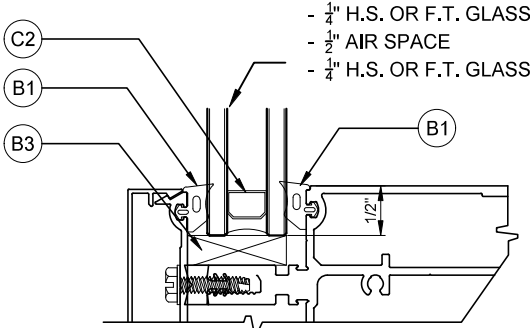
DRWG. No: 25FL-102 SCALE: NTS

SHEET NO.:

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TYPICAL ELEVATIONS



TYPICAL GLAZING DETAIL

- LIMITATIONS:
- MAX. DLO AREA OF 38.3ft²
 - MAX. DP OF 70psf FOR GLASS WITH LEAST DIMENSION OF < 57.5in.
 - MAX. DP OF 50psf FOR GLASS WITH LEAST DIMENSION OF > = 57.5in.

- NOTE:
1. GLASS CAPACITIES WERE VERIFIED BASED ON ASTM E1300-16 (3 SEC. GUSTS). THICKNESS, TEMPER AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
 2. PROVIDE 2 SETTING BLOCKS PER GLASS PANEL AS PER 2023 FBC SECT. 2411.3.3.1. STANDARD LOCATION OF SETTING BLOCK IS AT L/4; HOWEVER, THE ACTUAL PLACEMENT OF THE SETTING BLOCK MAY VARY DEPENDING ON THE WEIGHT/SIZE OF THE GLASS, AS VERIFIED BY CALCULATION.
 3. INSULATED GLASS SEALANT:
PRIMARY SEALANT: PIB-POLYISOBUTYLENE
SECONDARY SEALANT: SILICONE SEALANT

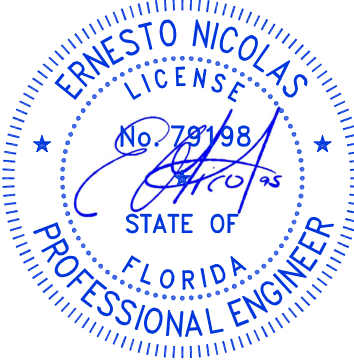
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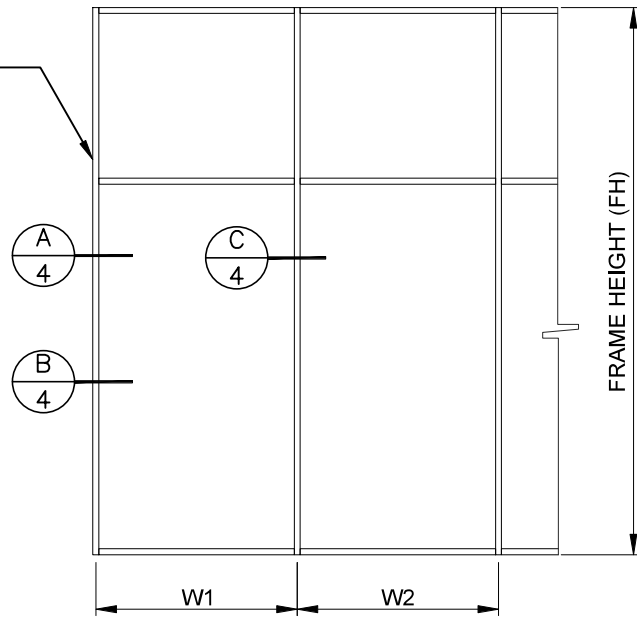
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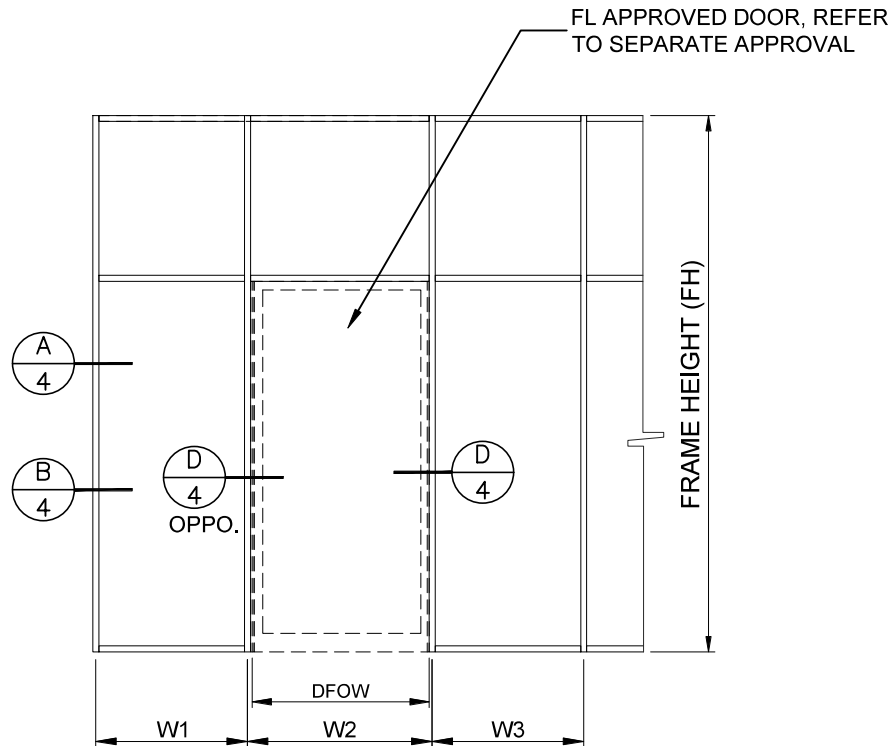
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REFER TO TBL. 1 ON SHT. 5
FOR JAMB CAPACITIES



ELEV. 1

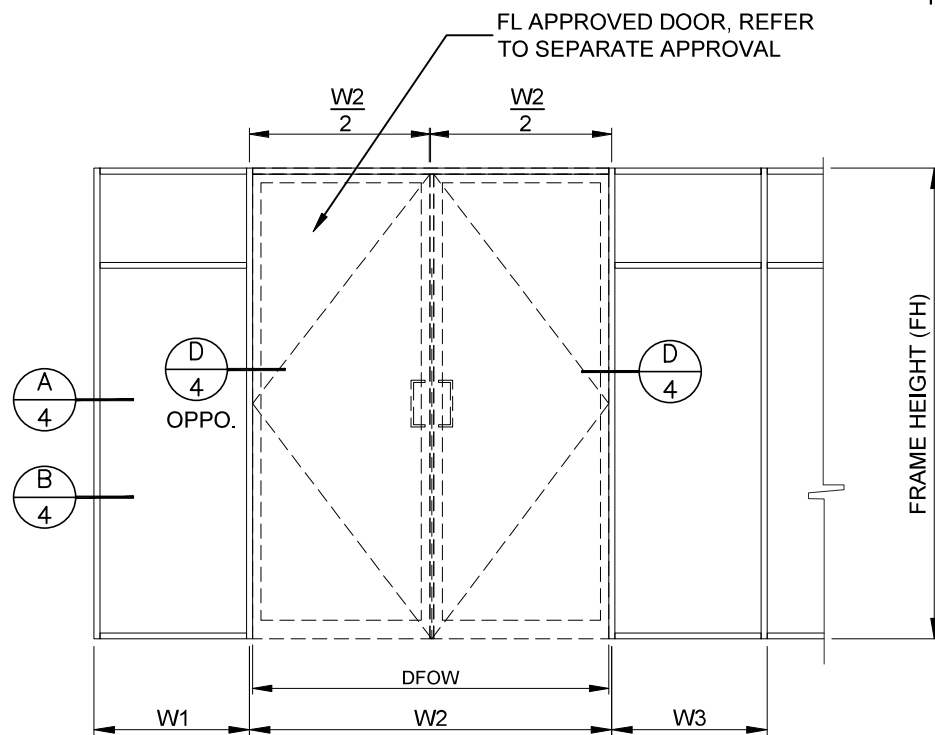
$$\text{WIDTH (W)} = \frac{W1 + W2}{2}$$



ELEV. 2

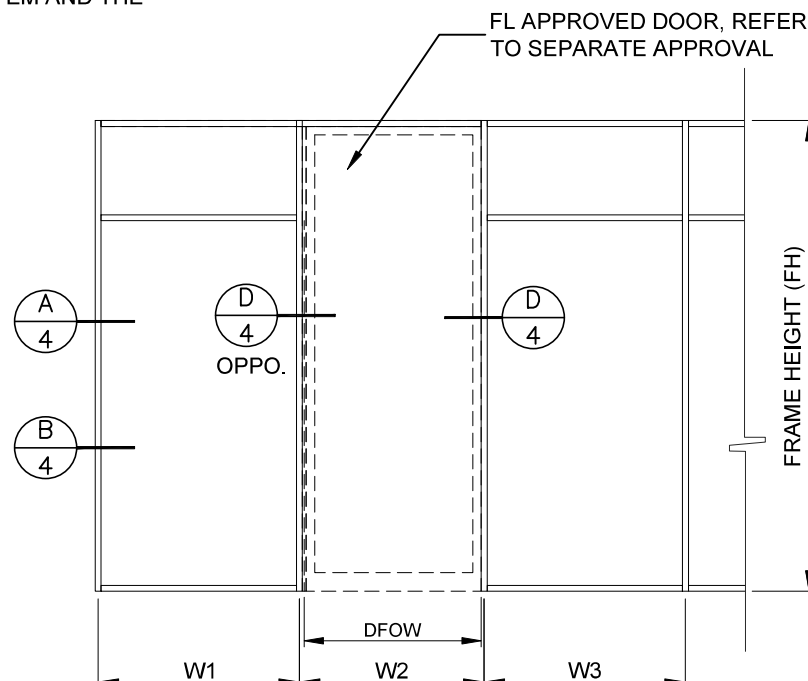
$$\text{WIDTH (W)} = \frac{W1 + W2}{2} \quad \text{WIDTH (W)} = \frac{W2 + W3}{2}$$

NOTE:
THE LOWER DESIGN PRESSURE BETWEEN
THE CURTAINWALL SYSTEM AND THE
DOOR SHALL GOVERN.



ELEV. 3

$$\text{WIDTH (W)} = \frac{W1}{2} + \frac{W2}{4} \quad \text{WIDTH (W)} = \frac{W2}{4} + \frac{W3}{2}$$



ELEV. 4

$$\text{WIDTH (W)} = \frac{W1 + W2}{2} \quad \text{WIDTH (W)} = \frac{W2 + W3}{2}$$

MULLION & JAMB ELEVATIONS



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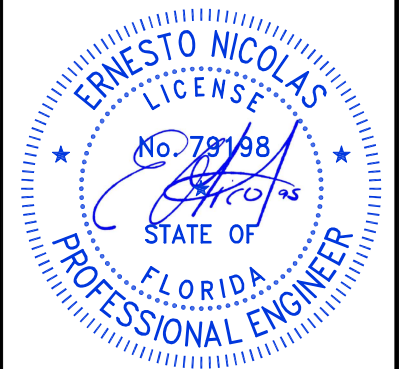
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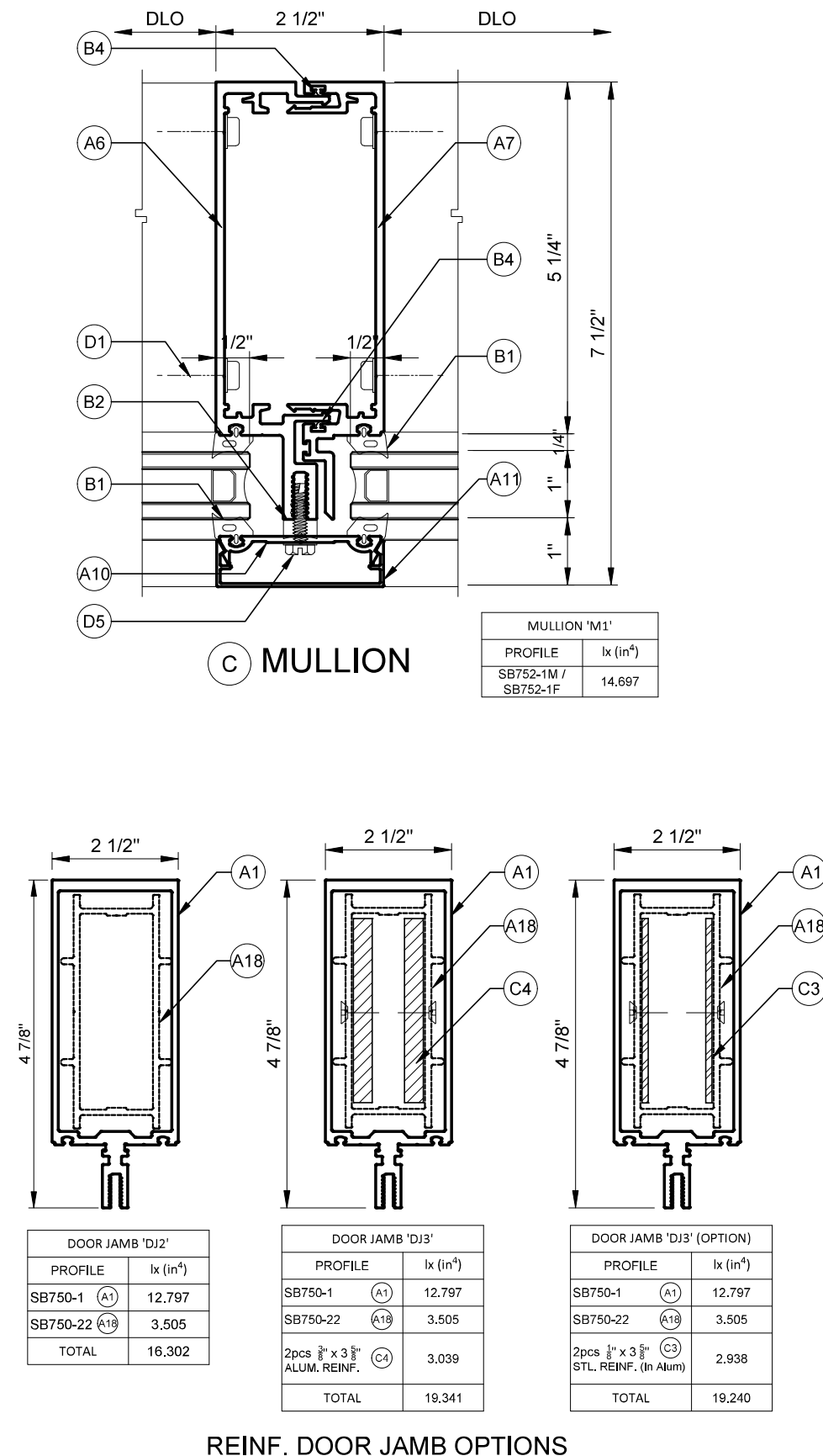
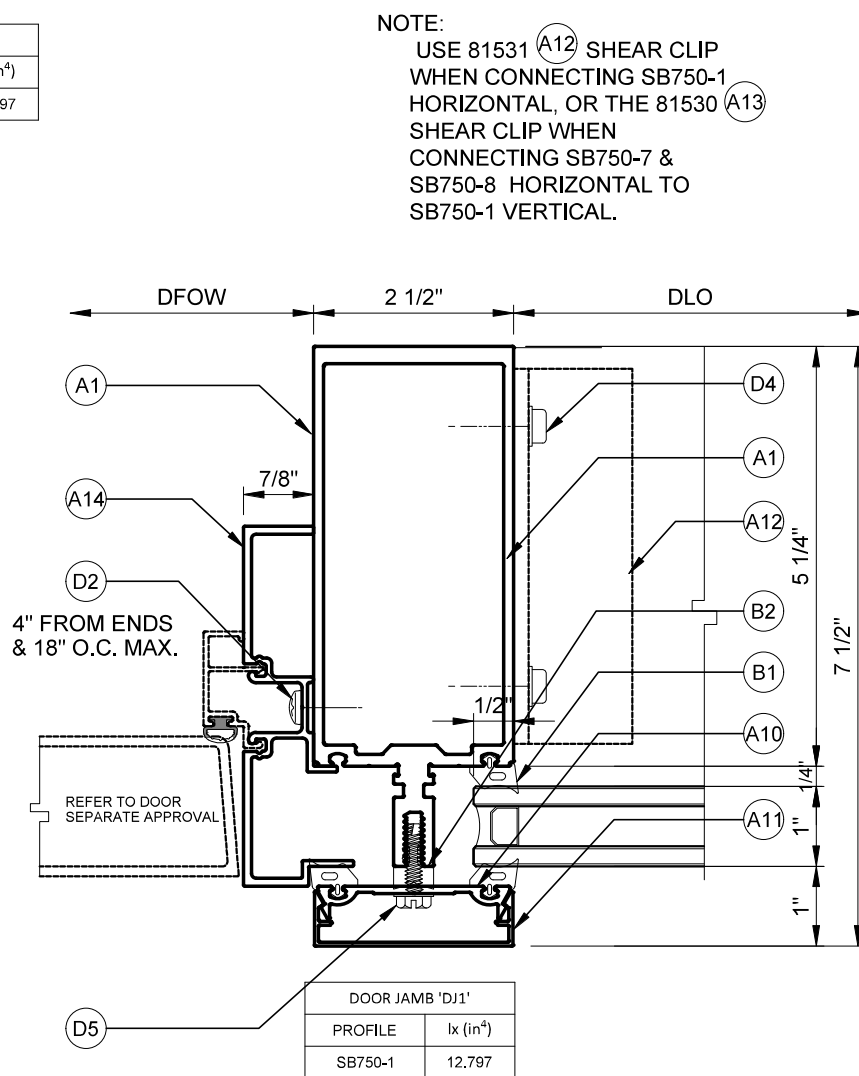
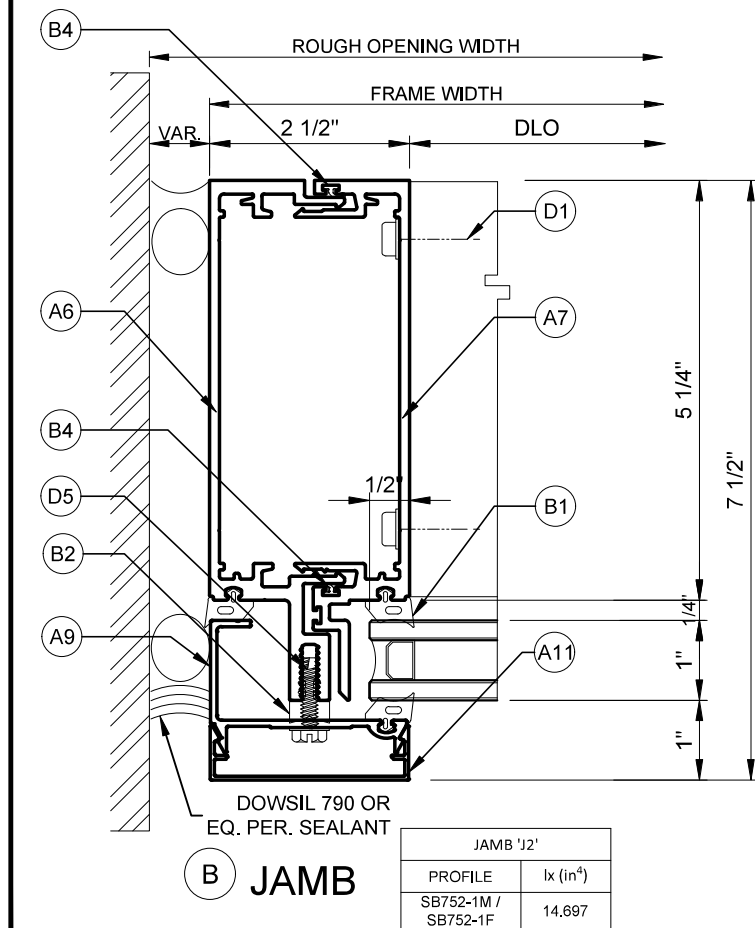
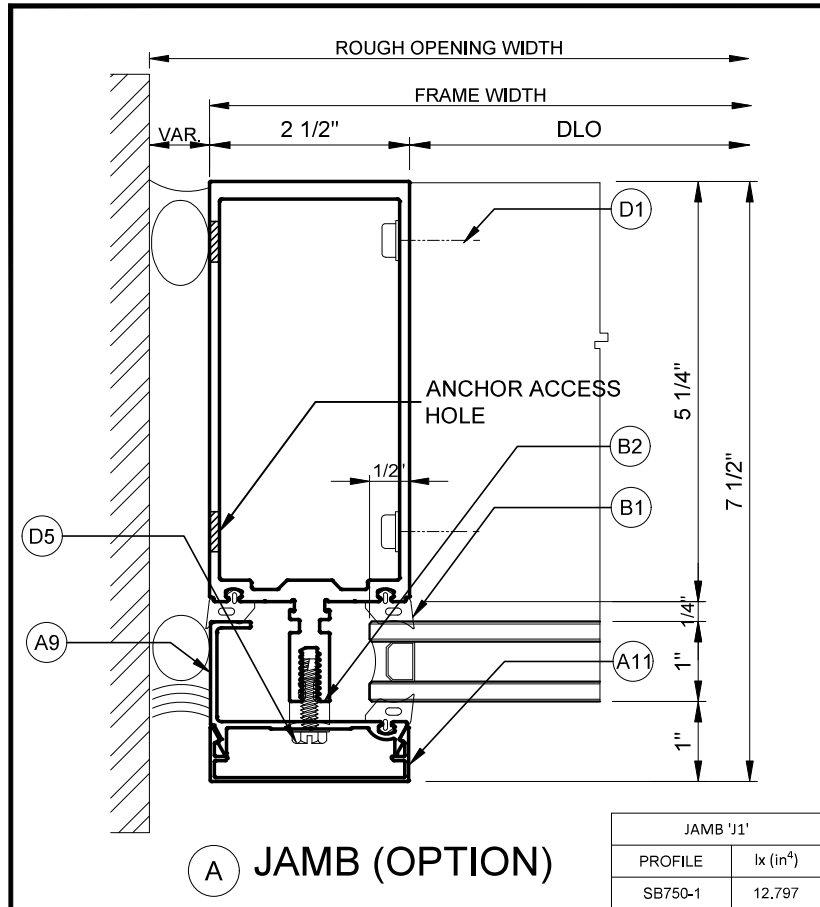
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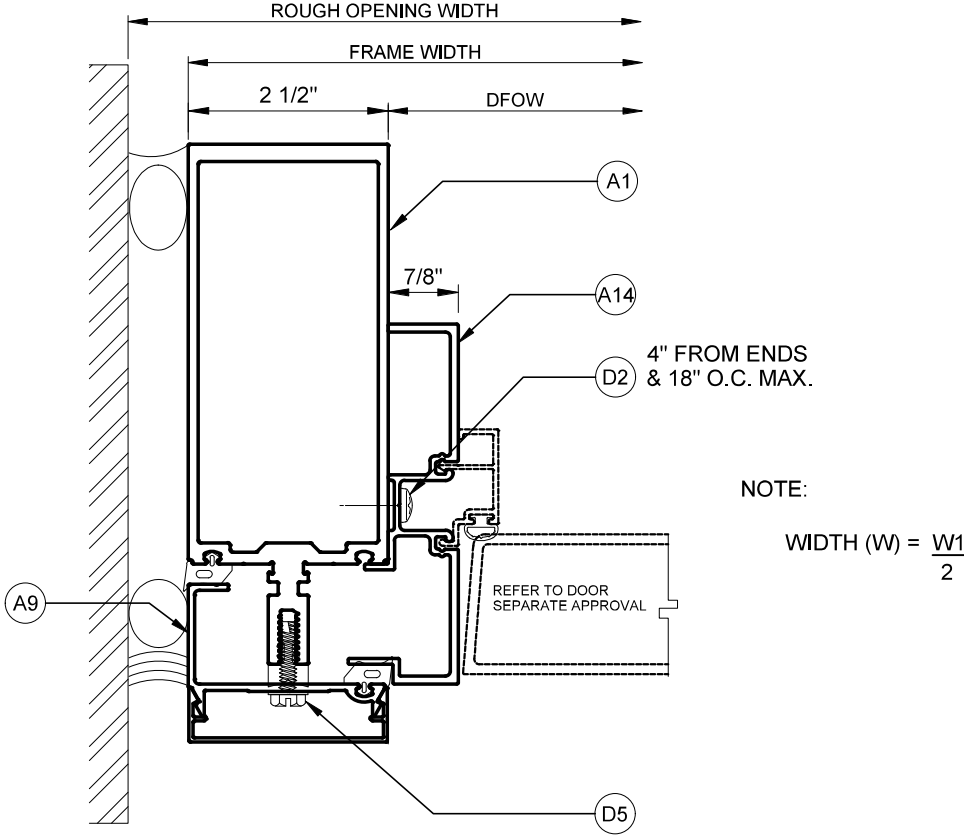
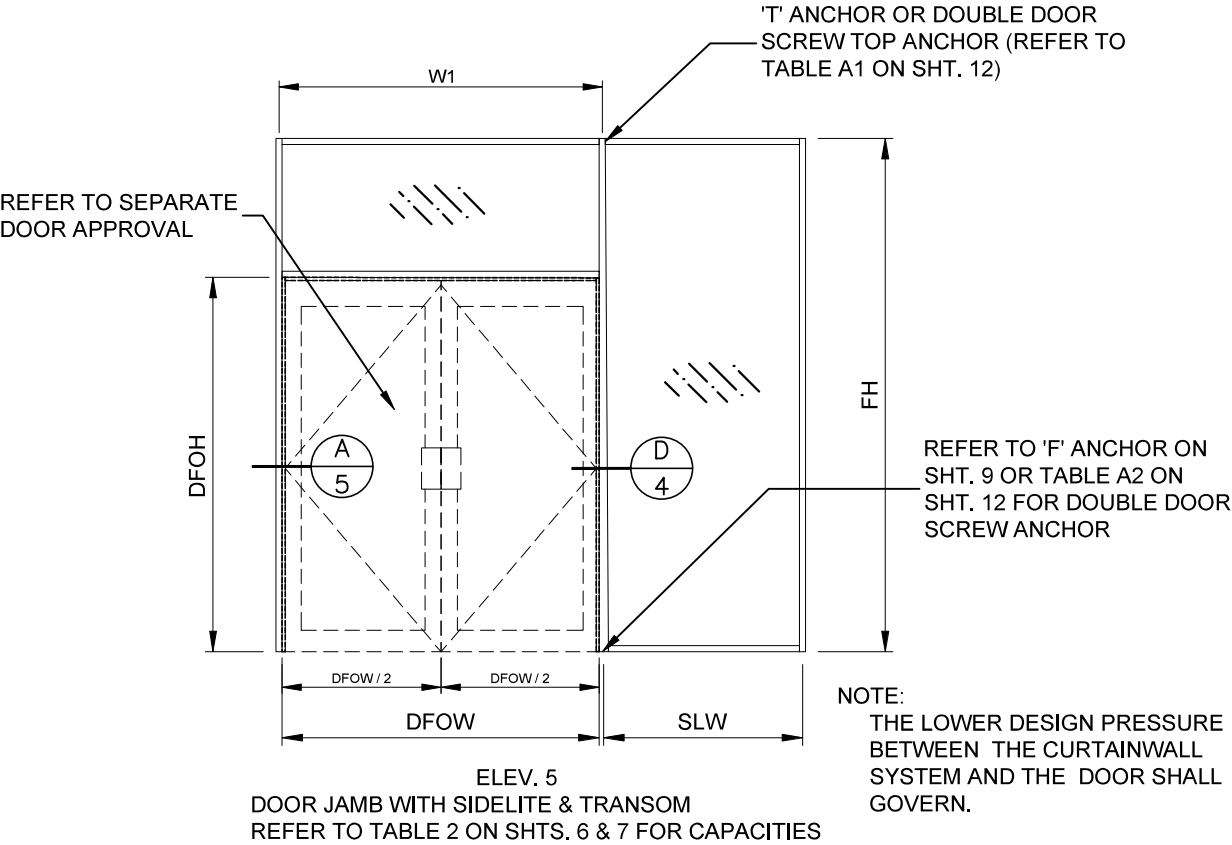
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MULLION & JAMB LOAD CAPACITIES (psf)							
TRIBUTARY DIMS. (in)		M1 / DJ2		DJ1		DJ3 / J1 / J2	
W	H	Ext (+)	Int (-)	Ext (+)	Int (-)	Ext (+)	Int (-)
72	108	50.0	70.0	50.0	70.0	50.0	70.0
66	114	50.0	70.0	50.0	70.0	50.0	70.0
72	114	50.0	66.5	-	-	50.0	70.0
60	120	50.0	70.0	50.0	70.0	50.0	70.0
66	120	50.0	65.5	-	-	50.0	70.0
72	120	50.0	60.0	-	-	50.0	65.1
48	126	50.0	70.0	50.0	70.0	50.0	70.0
54	126	50.0	70.0	50.0	69.4	50.0	70.0
60	126	50.0	65.3	50.0	62.4	50.0	70.0
66	126	50.0	59.4	-	-	50.0	64.6
72	126	-	-	-	-	-	-
42	132	50.0	70.0	50.0	70.0	50.0	70.0
48	132	50.0	70.0	50.0	67.9	50.0	70.0
54	132	50.0	66.1	50.0	60.3	50.0	70.0
60	132	50.0	59.5	-	-	50.0	64.6
66	132	-	-	-	-	50.0	58.7
36	138	50.0	70.0	50.0	70.0	50.0	70.0
42	138	50.0	70.0	50.0	67.9	50.0	70.0
48	138	50.0	68.1	50.0	59.4	50.0	70.0
54	138	50.0	60.5	50.0	52.8	50.0	65.6
60	138	50.0	54.4	-	-	50.0	59.1
66	138	-	-	-	-	-	-
30	144	50.0	70.0	50.0	70.0	50.0	70.0
36	144	50.0	70.0	50.0	69.7	50.0	70.0
42	144	50.0	70.0	50.0	59.8	50.0	70.0
48	144	50.0	62.5	50.0	52.3	50.0	67.8
54	144	50.0	55.6	-	-	50.0	60.3
60	144	50.0	50.0	-	-	50.0	54.3
66	144	-	-	-	-	-	-
30	150	50.0	70.0	50.0	70.0	50.0	70.0
36	150	50.0	70.0	61.7	61.7	50.0	70.0
42	150	50.0	63.7	52.9	52.9	50.0	70.0
48	150	50.0	55.7	46.3	46.3	50.0	62.5
54	150	49.5	49.5	-	-	50.0	55.6
60	150	-	-	-	-	50.0	50.0

MULLION & JAMB LOAD CAPACITIES (psf)							
TRIBUTARY DIMS. (in)		M1 / DJ2		DJ1		DJ3 / J1 / J2	
W	H	Ext (+)	Int (-)	Ext (+)	Int (-)	Ext (+)	Int (-)
30	156	50.0	70.0	50.0	65.8	50.0	70.0
36	156	50.0	66.1	50.0	54.8	50.0	70.0
42	156	50.0	56.6	47.0	47.0	50.0	66.0
48	156	49.6	49.6	41.1	41.1	50.0	57.8
54	156	44.0	44.0	-	-	50.0	51.4
60	156	-	-	-	-	-	-
24	162	50.0	70.0	50.0	70.0	50.0	70.0
30	162	50.0	70.0	50.0	58.8	50.0	70.0
36	162	50.0	59.0	49.0	49.0	50.0	70.0
42	162	50.0	50.6	42.0	42.0	50.0	61.2
48	162	44.2	44.2	-	-	50.0	53.6
54	162	-	-	-	-	47.6	47.6
24	168	50.0	70.0	50.0	65.9	50.0	70.0
30	168	50.0	63.5	50.0	52.7	50.0	70.0
36	168	50.0	52.9	43.9	43.9	50.0	66.4
42	168	45.3	45.3	37.6	37.6	50.0	56.9
48	168	39.7	39.7	-	-	50.0	49.8

Table 1 | MULLION CAPACITY TABLE
Refer to Elevs. 1, 2, 3, 4 on Sht. 3



A DOOR JAMB (NO SIDELITE)
REFER TO DET. 'D' ON SHT. 4 FOR OPTIONS & TBL. 1 ON THIS SHT. FOR CAPACITIES



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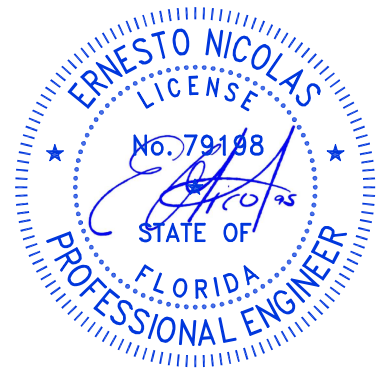
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72" DFOW x 84" DFOH

FH	SLW	DJ1		DJ2		DJ3	
		Ext (+)	Int(-)	Ext (+)	Int(-)	Ext (+)	Int(-)
132	24	50.0	70.0	50.0	70.0	50.0	70.0
	36	50.0	65.2	50.0	70.0	50.0	70.0
	48	-	-	50.0	70.0	50.0	70.0
	60	-	-	50.0	65.9	50.0	70.0
	72	-	-	-	-	-	-
144	24	50.0	55.9	50.0	70.0	50.0	70.0
	36	-	-	50.0	61.8	50.0	70.0
	48	-	-	50.0	55.3	50.0	69.6
	60	-	-	-	-	-	-
	72	-	-	-	-	-	-
150	24	49.2	49.2	50.0	61.6	50.0	70.0
	36	-	-	50.0	54.3	50.0	68.5
	48	-	-	-	-	-	-
156	24	-	-	50.0	54.5	50.0	68.7
	36	-	-	50.0	48.1	50.0	60.6
	48	-	-	-	-	-	-
168	24	-	-	43.5	43.5	50.0	54.8
	36	-	-	-	-	-	-

84" DFOW x 84" DFOH

FH	SLW	DJ1		DJ2		DJ3	
		Ext (+)	Int(-)	Ext (+)	Int(-)	Ext (+)	Int(-)
132	24	50.0	65.5	50.0	70.0	50.0	70.0
	36	-	-	50.0	70.0	50.0	70.0
	48	-	-	50.0	66.8	50.0	70.0
	60	-	-	-	-	-	-
144	24	-	-	50.0	62.6	50.0	70.0
	36	-	-	50.0	55.9	50.0	70.0
	48	-	-	-	-	-	-
150	24	-	-	50.0	55.0	50.0	69.4
	36	-	-	-	-	-	-
156	24	-	-	48.7	48.7	50.0	61.4
	36	-	-	-	-	-	-

96" DFOW x 84" DFOH

FH	SLW	DJ1		DJ2		DJ3	
		Ext (+)	Int(-)	Ext (+)	Int(-)	Ext (+)	Int(-)
102	48	50.0	70.0	50.0	70.0	50.0	70.0
	72	-	-	50.0	70.0	50.0	70.0
108	36	50.0	70.0	50.0	70.0	50.0	70.0
	60	-	-	50.0	70.0	50.0	70.0
120	24	50.0	70.0	50.0	70.0	50.0	70.0
	48	-	-	50.0	70.0	50.0	70.0
126	24	-	-	50.0	70.0	50.0	70.0
	36	-	-	50.0	70.0	50.0	70.0
132	24	-	-	50.0	70.0	50.0	70.0
	36	-	-	50.0	67.2	50.0	70.0
144	24	-	-	50.0	56.7	50.0	70.0

72" DFOW x 96" DFOH

FH	SLW	DJ1		DJ2		DJ3	
		Ext (+)	Int(-)	Ext (+)	Int(-)	Ext (+)	Int(-)
108	60	50.0	70.0	50.0	70.0	50.0	70.0
120	48	50.0	70.0	50.0	70.0	50.0	70.0
	60	-	-	50.0	70.0	50.0	70.0
126	36	50.0	70.0	50.0	70.0	50.0	70.0
	60	-	-	50.0	70.0	50.0	70.0
132	24	50.0	70.0	50.0	70.0	50.0	70.0
	36	50.0	68.5	50.0	70.0	50.0	70.0
	48	-	-	50.0	70.0	50.0	70.0
	60	-	-	50.0	68.6	50.0	70.0
144	24	50.0	58.1	50.0	70.0	50.0	70.0
	36	-	-	50.0	63.8	50.0	70.0
	48	-	-	50.0	56.9	50.0	70.0
150	24	50.0	50.6	50.0	63.4	50.0	70.0
	36	-	-	50.0	55.8	50.0	70.0
156	24	-	-	50.0	55.7	50.0	70.0
	36	-	-	49.1	49.1	50.0	61.8
162	24	-	-	49.3	49.3	50.0	62.1
	36	-	-	43.5	43.5	50.0	54.8
168	24	-	-	43.9	43.9	50.0	55.3

84" DFOW x 96" DFOH

FH	SLW	DJ1		DJ2		DJ3	
		Ext (+)	Int(-)	Ext (+)	Int(-)	Ext (+)	Int(-)
108	48	50.0	70.0	50.0	70.0	50.0	70.0
	60	-	-	50.0	70.0	50.0	70.0
120	36	50.0	70.0	50.0	70.0	50.0	70.0
	60	-	-	50.0	70.0	50.0	70.0
126	36	50.0	70.0	50.0	70.0	50.0	70.0
	48	-	-	50.0	70.0	50.0	70.0
132	24	50.0	69.4	50.0	70.0	50.0	70.0
	48	-	-	50.0	70.0	50.0	70.0
144	24	-	-	50.0	65.1	50.0	70.0
	36	-	-	50.0	57.9	50.0	70.0
150	24	-	-	50.0	56.7	50.0	70.0
156	24	-	-	49.9	49.9	50.0	62.8

96" DFOW x 96" DFOH

FH	SLW	DJ1		DJ2		DJ3	
		Ext (+)	Int(-)	Ext (+)	Int(-)	Ext (+)	Int(-)
108	36	50.0	70.0	50.0	70.0	50.0	70.0
	60	-	-	50.0	70.0	50.0	70.0
120	24	50.0	70.0	50.0	70.0	50.0	70.0
	48	-	-	50.0	70.0	50.0	70.0
126	36	-	-	50.0	70.0	50.0	70.0
132	36	-	-	50.0	70.0	50.0	70.0



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PRODUCT:

SB752 Split Mullion
Curtainwall System
(Non-HVHZ / Non-Impact)

REVN	DATE/REMARKS

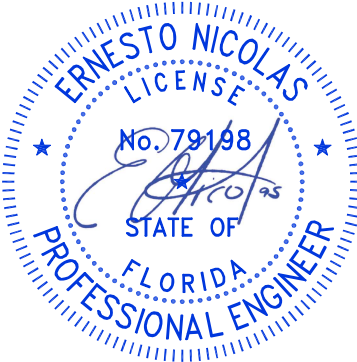
ENGINEER:



En3 Engineering & Consultancy

950 SW 135th Way Sunrise,
FL 33325 P. 786 474 3876
Email: en3.engconsul@gmail.com

STAMP:



FLORIDA PRODUCT APPROVAL:

FL47489

DATE: APRIL 19, 2025

DRAWN: Bobi CHK: ESN

DRWG. No: 25FL–102 SCALE: NTS

SHEET NO.:

Table 2 Cont. | DOOR JAMB LOAD CAPACITY TABLE

(Refer to Elev. 5 on Sht. 5)

72" DFOW x 108" DFOH

FH	SLW	DJ1		DJ2		DJ3	
		Ext (+)	Int(-)	Ext (+)	Int(-)	Ext (+)	Int(-)
120	48	50.0	70.0	50.0	70.0	50.0	70.0
	60	-	-	50.0	70.0	50.0	70.0
126	36	50.0	70.0	50.0	70.0	50.0	70.0
	60	-	-	50.0	70.0	50.0	70.0
132	36	50.0	70.0	50.0	70.0	50.0	70.0
	60	-	-	50.0	70.0	50.0	70.0
144	24	50.0	61.6	50.0	70.0	50.0	70.0
	36	-	-	50.0	67.2	50.0	70.0
	48	-	-	50.0	59.6	50.0	70.0
150	24	50.0	53.2	50.0	66.6	50.0	70.0
	36	-	-	50.0	58.2	50.0	70.0
156	24	-	-	50.0	58.1	50.0	70.0
	36	-	-	50.0	50.9	50.0	64.1
162	24	-	-	47.7	47.7	50.0	64.3
	36	-	-	44.8	44.8	50.0	56.5
168	24	-	-	45.2	45.2	50.0	56.9

84" DFOW x 108" DFOH

FH	SLW	DJ1		DJ2		DJ3	
		Ext (+)	Int(-)	Ext (+)	Int(-)	Ext (+)	Int(-)
120	36	50.0	70.0	50.0	70.0	50.0	70.0
	60	-	-	50.0	70.0	50.0	70.0
126	36	50.0	70.0	50.0	70.0	50.0	70.0
	48	-	-	50.0	70.0	50.0	70.0
132	36	-	-	50.0	70.0	50.0	70.0
	48	-	-	50.0	70.0	50.0	70.0
144	24	-	-	50.0	69.3	50.0	70.0
	36	-	-	50.0	61.2	50.0	70.0
150	24	-	-	50.0	59.8	50.0	70.0
156	24	-	-	50.0	52.0	50.0	65.6
162	24	-	-	45.7	45.7	50.0	57.6

96" DFOW x 108" DFOH

FH	SLW	DJ1		DJ2		DJ3	
		Ext (+)	Int(-)	Ext (+)	Int(-)	Ext (+)	Int(-)
120	24	50.0	70.0	50.0	70.0	50.0	70.0
	48	-	-	50.0	70.0	50.0	70.0
126	24	-	-	50.0	70.0	50.0	70.0
132	36	-	-	50.0	70.0	50.0	70.0
144	24	-	-	50.0	62.8	50.0	70.0

72" DFOW x 120" DFOH

FH	SLW	DJ1		DJ2		DJ3	
		Ext (+)	Int(-)	Ext (+)	Int(-)	Ext (+)	Int(-)
132	36	50.0	70.0	50.0	70.0	50.0	70.0
	60	-	-	50.0	70.0	50.0	70.0
144	24	50.0	66.8	50.0	70.0	50.0	70.0
	48	-	-	50.0	63.3	50.0	70.0
150	24	50.0	57.0	50.0	70.0	50.0	70.0
	36	-	-	50.0	61.9	50.0	70.0
156	24	-	-	50.0	61.6	50.0	70.0
	36	-	-	50.0	53.6	50.0	67.6
162	24	-	-	50.0	53.7	50.0	67.7
	36	-	-	46.9	46.9	50.0	59.0
168	24	-	-	47.2	47.2	56.6	59.4

84" DFOW x 120" DFOH

FH	SLW	DJ1		DJ2		DJ3	
		Ext (+)	Int(-)	Ext (+)	Int(-)	Ext (+)	Int(-)
132	48	-	-	50.0	70.0	50.0	70.0
144	24	-	-	50.0	70.0	50.0	70.0
	36	-	-	50.0	65.8	50.0	70.0
150	24	-	-	50.0	64.2	50.0	70.0
156	24	-	-	50.0	55.4	50.0	69.8
162	24	-	-	48.2	48.2	50.0	60.7

96" DFOW x 120" DFOH

FH	SLW	DJ1		DJ2		DJ3	
		Ext (+)	Int(-)	Ext (+)	Int(-)	Ext (+)	Int(-)
132	36	-	-	50.0	70.0	50.0	70.0
144	24	-	-	50.0	68.5	50.0	70.0

Table 2 Cont. | DOOR JAMB LOAD CAPACITY TABLE
(Refer to Elev. 5 on Sht. 5)



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PRODUCT:

SB752 Split Mullion
Curtainwall System
(Non-HVHZ / Non-Impact)

REV#	DATE/REMARKS

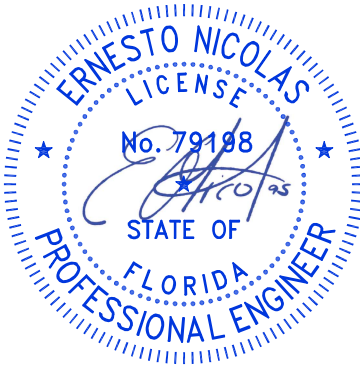
ENGINEER:



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FL 33325 P. 786 474 3876
Email: en3.engconsul@gmail.com

STAMP:



FLORIDA PRODUCT APPROVAL:

FL47489

DATE:	APRIL 19, 2025
DRAWN: Bobi	CHK: ESN
DRWG. No: 25FL-102	SCALE: NTS

SHEET NO.:
7 of 17

PRODUCT:

**SB752 Split Mullion
Curtainwall System**
(Non-HVHZ / Non-Impact)

REVN	DATE/REMARKS

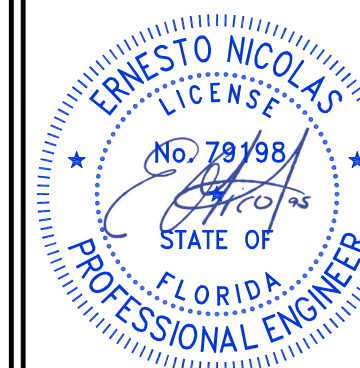
ENGINEER:



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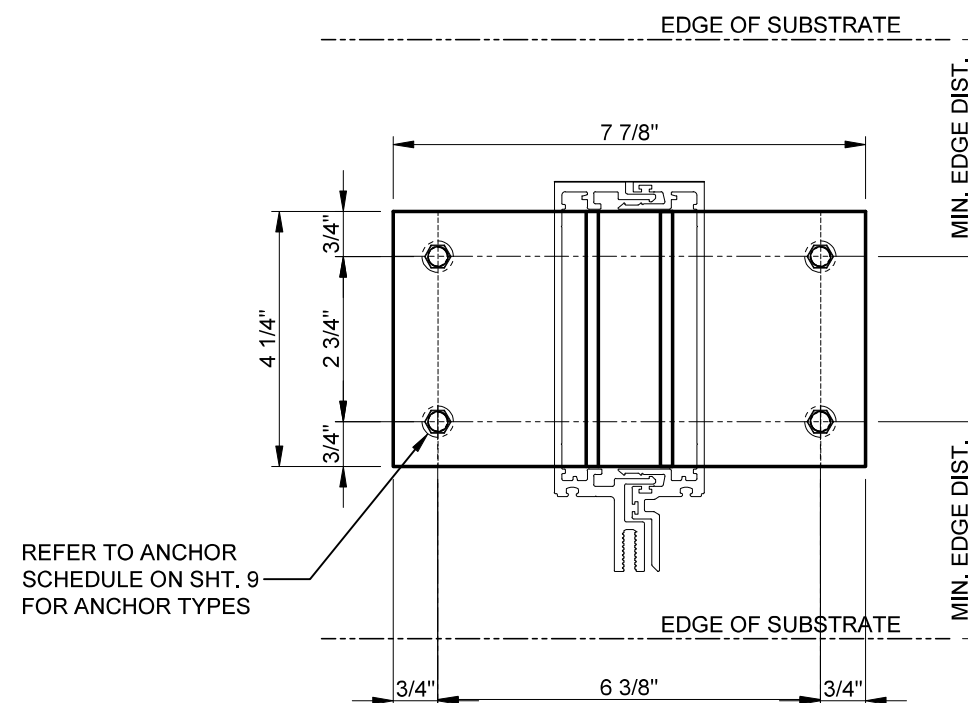
DATE: **APRIL 19, 2025**

DRAWN: Bobi CHK: ESN

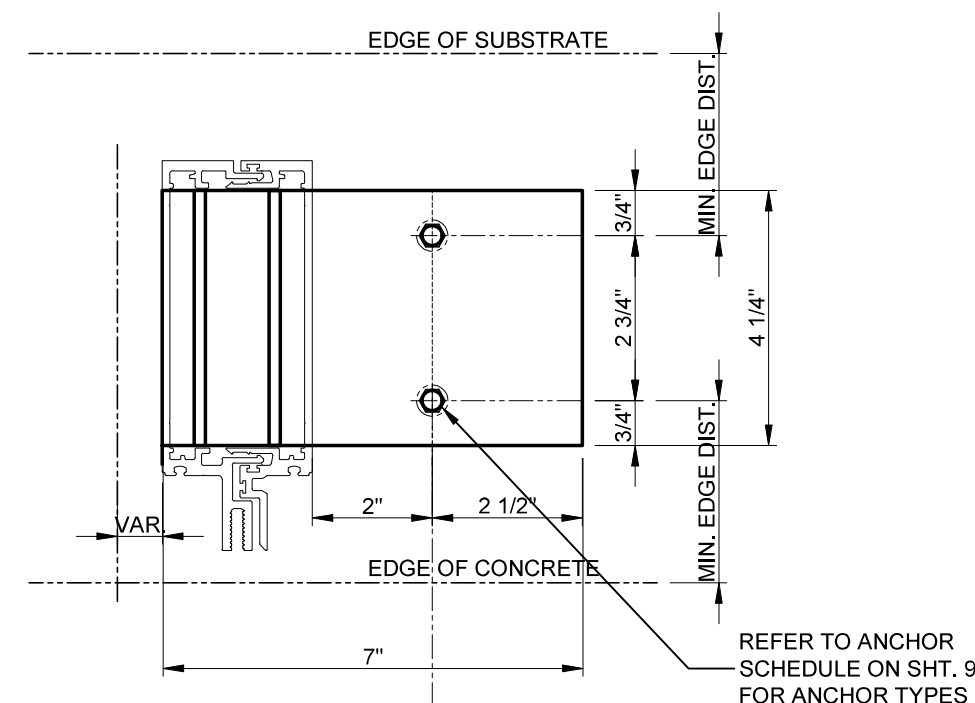
DRWG. No: 25FL-102 SCALE: NTS

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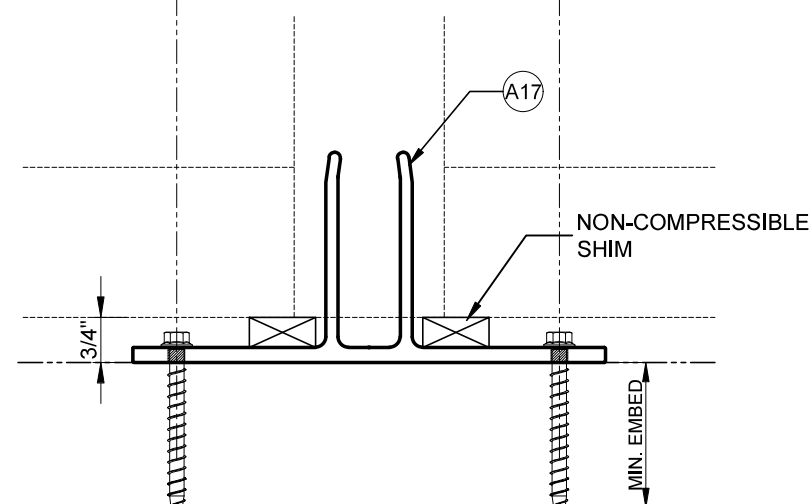


REFER TO ANCHOR
SCHEDULE ON SHT. 9
FOR ANCHOR TYPES

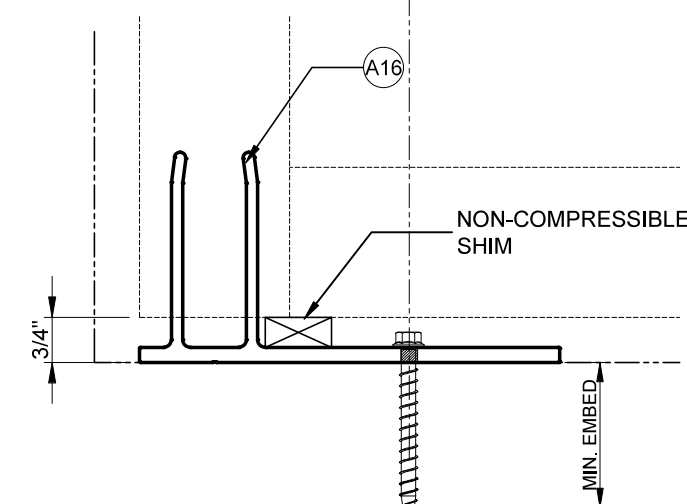


REFER TO ANCHOR
SCHEDULE ON SHT. 9
FOR ANCHOR TYPES

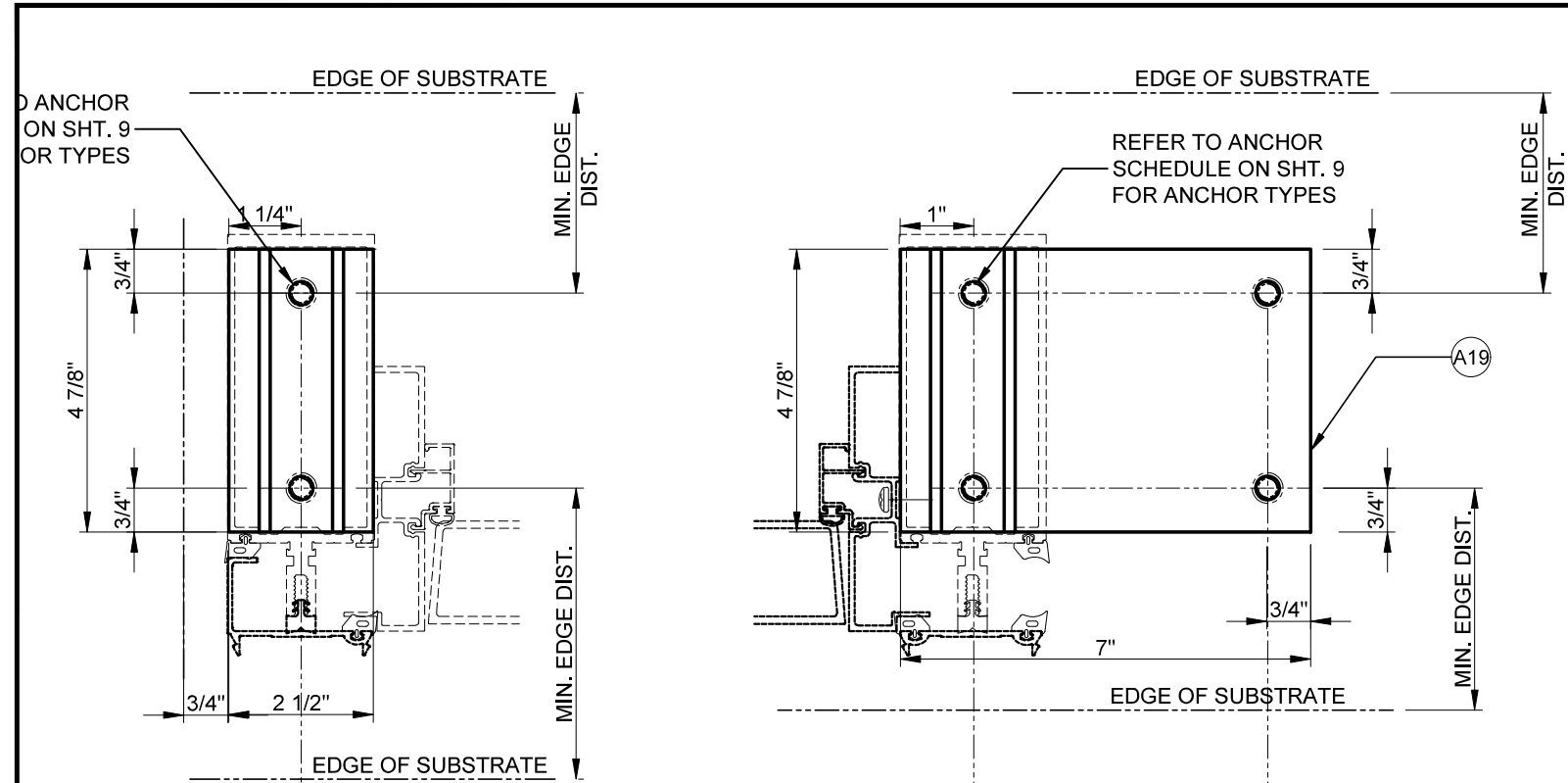
NOTE: ANCHORS SHOWN ARE FOR ILLUSTRATIONS
ONLY, REFER TO ANCHOR SCHEDULE ON SHT.
9 FOR ANCHOR TYPES & REQUIREMENTS.



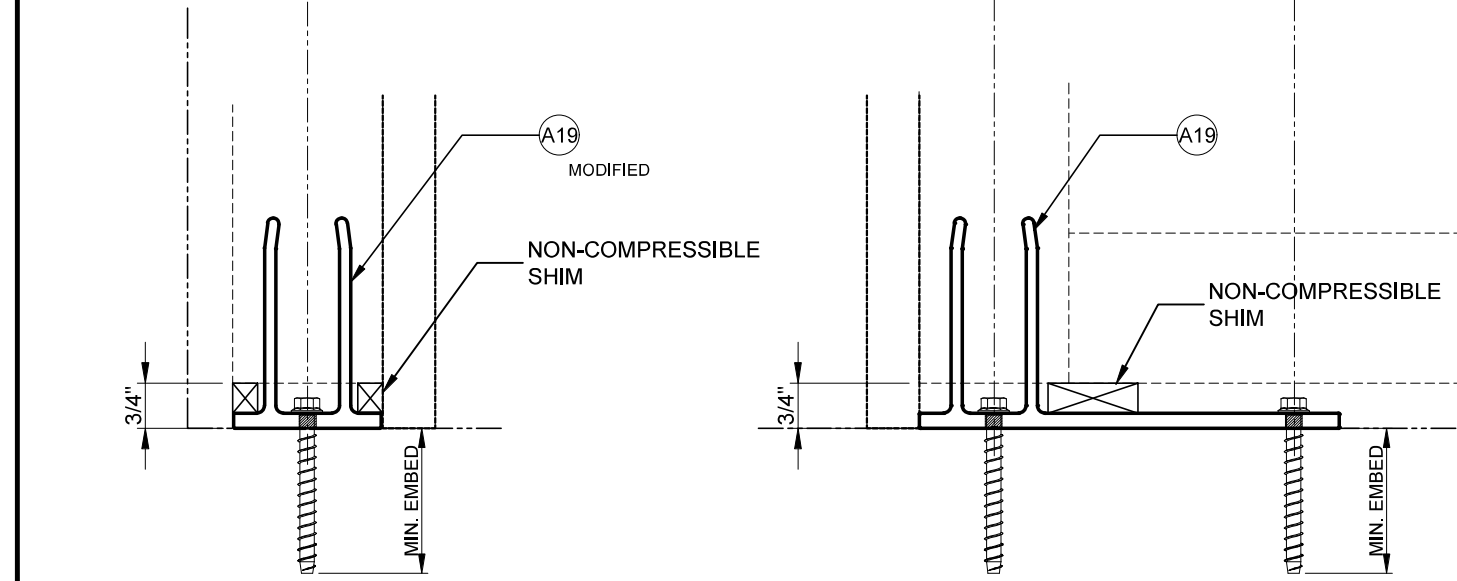
(A) SPLIT MULLION 'T' ANCHOR



(B) SPLIT JAMB 'F' ANCHOR



NOTE: ANCHORS SHOWN ARE FOR ILLUSTRATIONS ONLY, REFER TO ANCHOR SCHEDULE FOR ANCHOR TYPES & REQUIREMENTS.



(A) DOOR JAMB ANCHOR (NO SIDELITE)

(B) DOOR JAMB ANCHOR WITH SIDELITE

F & T ANCHOR SCHEDULE

TYPE	ANCHOR DESCRIPTION	DIAM. (in)	SUBSTRATE TYPES	MIN. EMBED	MIN. EDGE DIST. (in)
1	Dewalt Pure 110+ Epoxy Adhesive with ASTM F1554 Gr. 36 Threaded Rod	3/8	4000psi (min.) Normal Weight, Cracked or Uncracked Concrete	2.500	4.00
2	Dewalt Pure 220+ Epoxy Adhesive with ASTM F1554 Gr. 36 Threaded Rod	3/8	4000psi (min.) Normal Weight, Cracked or Uncracked Concrete	2.500	4.00
3	Dewalt Screw-Bolt Low carbon steel	3/8"	4000psi (min.) Normal Weight, Cracked or Uncracked Concrete	3.250	4.00
4	Hilti KH-EZ Medium Carbon Steel	3/8"	4000psi (min.) Normal Weight, Cracked or Uncracked Concrete	3.250	4.00
5	Hilti Kwik Bolt TZ2 Medium Carbon Steel	3/8"	4000psi (min.) Normal Weight, Cracked or Uncracked Concrete	3.000	4.00
6	Hilti Kwik Bolt 3	3/8	3000psi (min.) Normal Weight Uncracked Concrete	2.500	4.00
7	Self-Tapping or Threaded Bolt, SAE Gr. 5 or ASTM A325	1/4	1/8 thk. (min.) Steel, Fy = 36ksi (min.)	1.750	0.75

NOTE:
- REFER TO SHTS. 8 & 9 FOR NUMBER OF ANCHORS AND LAYOUT

Table 3 | F & T ANCHOR TYPES

NOTE:
ANCHOR SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS.



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PRODUCT:
**SB752 Split Mullion
Curtainwall System**
(Non-HVHZ / Non-Impact)

REVN	DATE/REMARKS

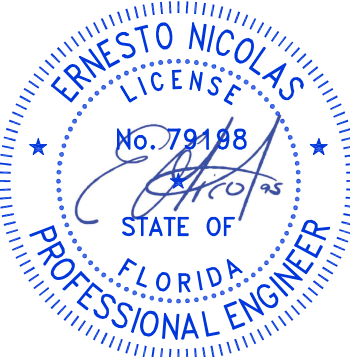
ENGINEER:



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DATE: APRIL 19, 2025

DRAWN: Bobi

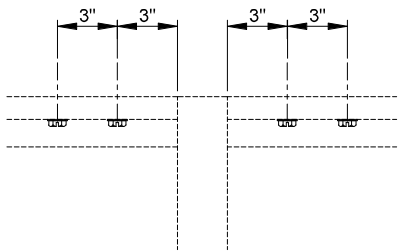
CHK: ESN

DRWG. No: 25FL-102

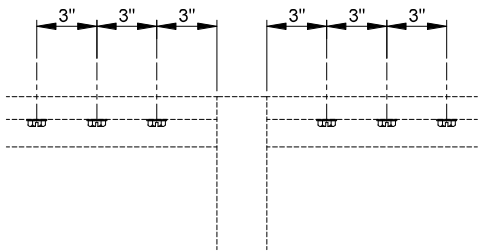
SCALE: NTS

SHEET NO.:

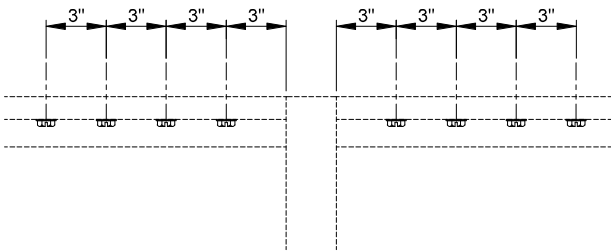
9 of 17



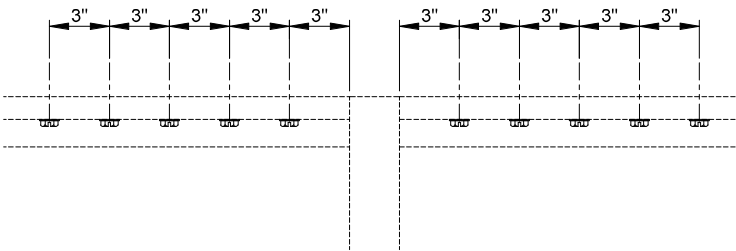
A2, B2, C2, D2, E2 or F2



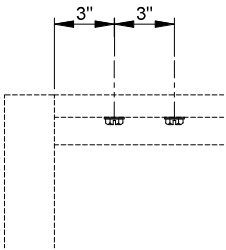
A3, B3, C3, D3, E3 or F3



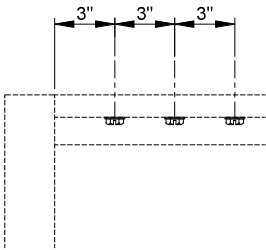
A4, B4, C4, D4, E4



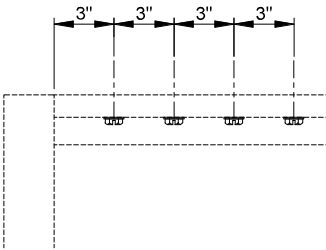
A5, C5,



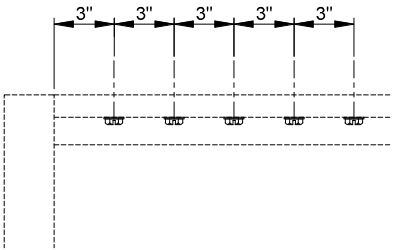
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A3, B3, C3, D3, E3 or F3



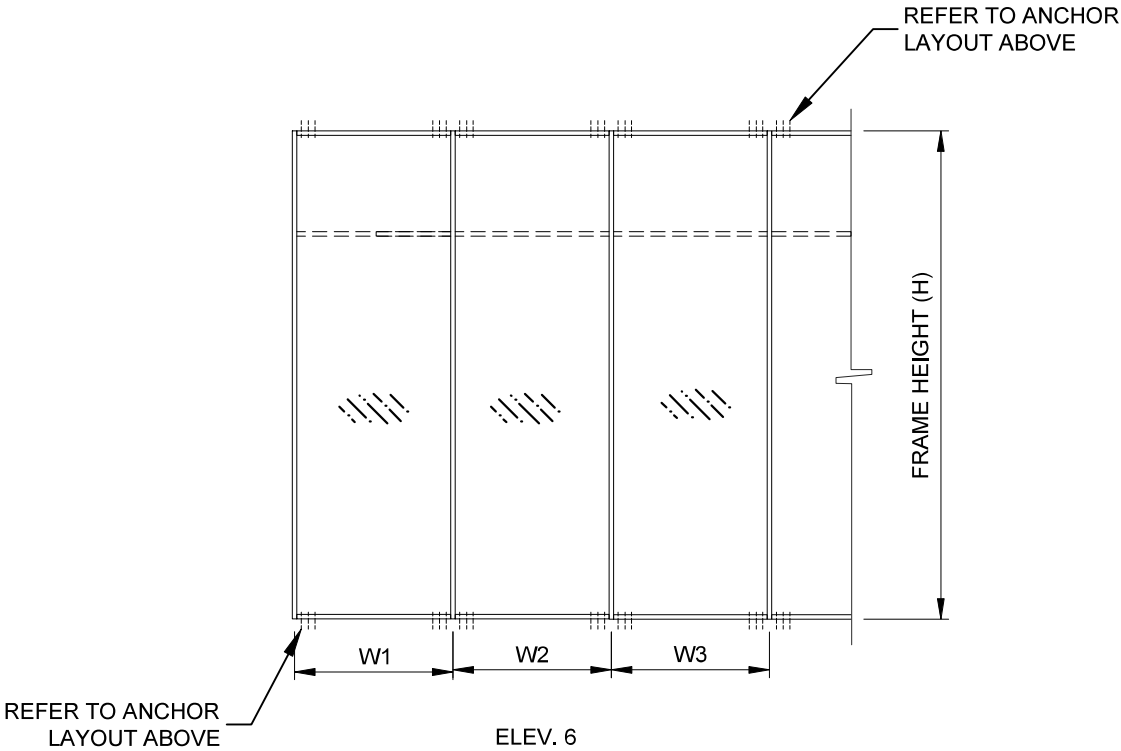
A4, B4, C4, D4, E4



A5, C5

SCREW ANCHOR LAYOUT

REFER TO SHT. 11 FOR TYPES & SHT. 12 FOR CAPACITIES



WIDTH (W) = $\frac{W1 + W2}{2}$ WIDTH (W) = $\frac{W2 + W3}{2}$

WIDTH (W) = W1 (JAMB)

NOTE:

- USE SB750-7 FOR HEAD & SILL WHEN USING SCREW TYPE ANCHORS
- ASIDE FROM F & T ANCHORS, SCREW ANCHORS CAN BE USED FOR FRAME HEIGHTS OF UP TO 144" AND A MAXIMUM DESIGN PRESSURE OF 60psf.



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Curtainwall System**
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REVN	DATE/REMARKS

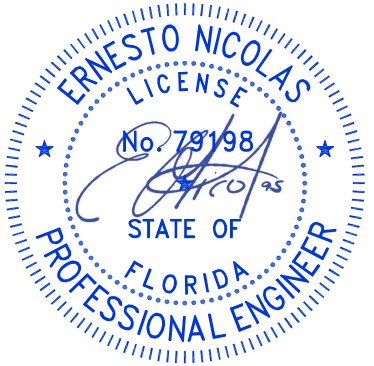
ENGINEER:



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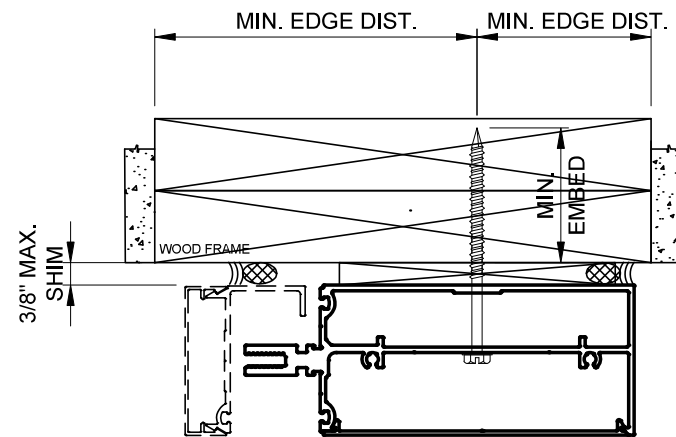
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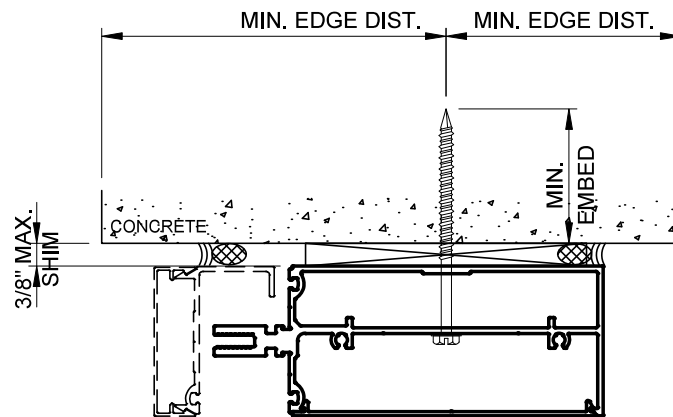
DRAWN: Bobi	CHK: ESN
DRWG. No: 25FL-102	SCALE: NTS

SHEET NO.:

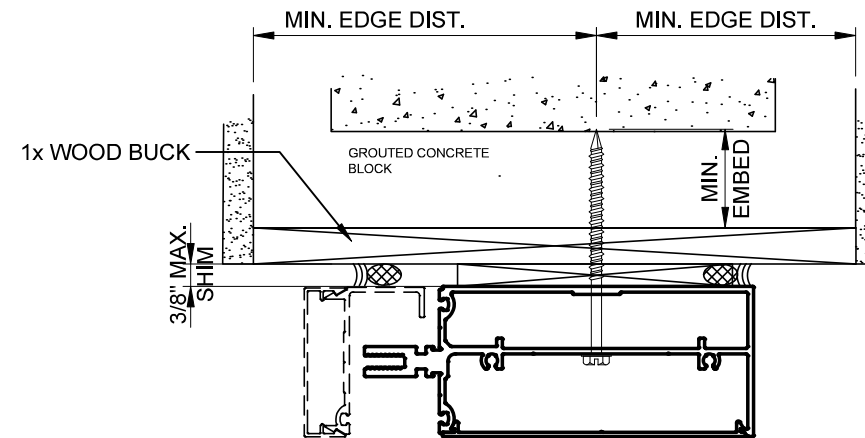
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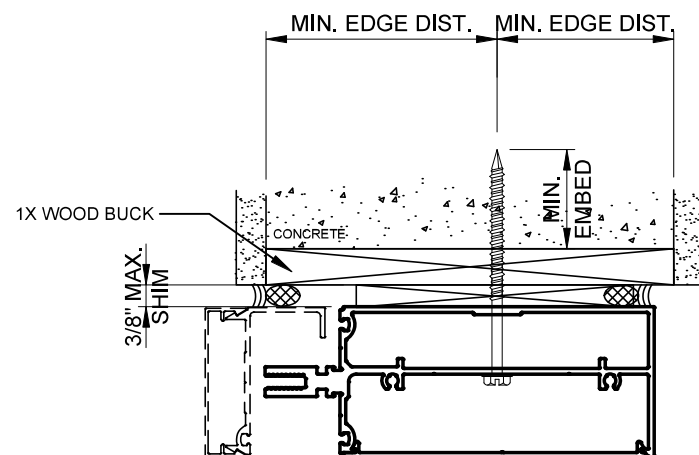
TYPE A or B



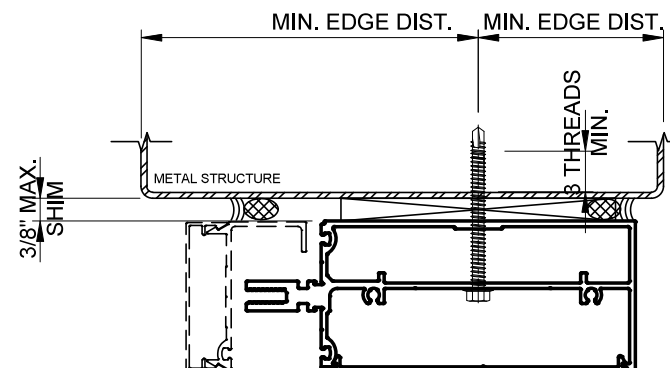
TYPE C or D



TYPE E



TYPE C or D



TYPE F

SCREW ANCHOR TYPES

TYPE	SUBSTRATE	MATERIAL	MIN. EMBED (IN.)	MIN. EDGE DIST. (IN.)
A	WOOD	$\frac{1}{4}$ " $\varnothing$ - TAPCON (Fy = 100ksi & Fu = 125ksi min.)	1.50	1.25
B		$\frac{1}{4}$ " $\varnothing$ - ULTRACON (Fy = 148ksi & Fu = 164ksi min.)	1.50	1.25
C	CONCRETE	$\frac{1}{4}$ " $\varnothing$ - TAPCON (Fy = 100ksi & Fu = 125ksi min.)	1.75	2.50
D		$\frac{1}{4}$ " $\varnothing$ - ULTRACON (Fy = 148ksi & Fu = 164ksi min.)	1.75	2.50
E	GROUTED CMU	$\frac{1}{4}$ " $\varnothing$ - ULTRACON (Fy = 148ksi & Fu = 164ksi min.)	1.25	2.50
F	METAL	$\frac{1}{4}$ " $\varnothing$ Gr. 5 Metal Screw	Min. 3 Threads pass substrate	1.00

NOTE:

- MIN. SPECIFIC GRAVITY OF WOOD = 0.55
- MIN. CONCRETE COMPRESSIVE STRENGTH = 3000psi (NORMAL WEIGHT & UNCRACKED)
- MIN. COMPRESSIVE STRENGTH OF CONCRETE MASONRY = 2000PSI (MEDIUM WEIGHT & CONFORM TO ASTM C90)
- METAL SUBSTRATE SHALL BE STEEL (FY=36KSI MIN. & 12GA. THICK MIN.) OR ALUMINUM (6063-T5 MIN. & 0.10" THICK MIN.)



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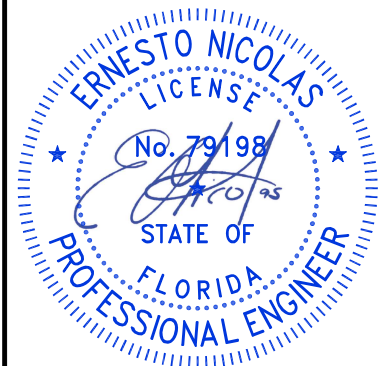
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SHEET NO.:

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1/4 Ø SCREW ANCHOR LOAD CAPACITIES (PSF)																					
EXT.(+) / INT.(-)										Based on max. 3/8" thk. shim gap											
DIMS. (in.)		TYPE 'A'				TYPE 'B'			TYPE 'C'				TYPE 'D'			TYPE 'E'			TYPE 'F'		
W	H	A2	A3	A4	A5	B2	B3	B4	C2	C3	C4	C5	D2	D3	D4	E2	E3	E4	F2	F3	F4
30	≤ 120	58.2	60.0	60.0	60.0	60.0	60.0	60.0	58.2	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36		48.5	60.0	60.0	60.0	60.0	60.0	60.0	48.5	60.0	60.0	60.0	60.0	60.0	60.0	58.1	60.0	60.0	57.3	60.0	60.0
42		41.6	60.0	60.0	60.0	58.5	60.0	60.0	41.6	60.0	60.0	60.0	60.0	60.0	60.0	49.8	60.0	60.0	49.1	60.0	60.0
48		36.4	54.6	60.0	60.0	51.2	60.0	60.0	36.4	54.6	60.0	60.0	53.0	60.0	60.0	43.6	60.0	60.0	43.0	60.0	60.0
54		32.4	48.5	60.0	60.0	45.5	60.0	60.0	32.4	48.5	60.0	60.0	47.1	60.0	60.0	38.8	58.1	60.0	38.2	57.3	60.0
60		-	43.7	58.2	60.0	41.0	60.0	60.0	-	43.7	58.2	60.0	42.4	60.0	60.0	34.9	52.3	60.0	34.4	51.6	60.0
66		-	39.7	52.9	60.0	37.2	55.9	60.0	-	39.7	52.9	60.0	38.5	57.8	60.0	31.7	47.6	60.0	31.3	46.9	60.0
30	132	52.9	60.0	60.0	60.0	60.0	60.0	60.0	52.9	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0	60.0
36		44.1	60.0	60.0	60.0	60.0	60.0	60.0	44.1	60.0	60.0	60.0	60.0	60.0	60.0	52.8	60.0	60.0	52.1	60.0	60.0
42		37.8	56.7	60.0	60.0	53.2	60.0	60.0	37.8	56.7	60.0	60.0	55.1	60.0	60.0	45.3	60.0	60.0	44.7	60.0	60.0
48		33.1	49.6	60.0	60.0	46.5	60.0	60.0	33.1	49.6	60.0	60.0	48.2	60.0	60.0	39.6	59.5	60.0	39.1	58.6	60.0
54		-	44.1	58.8	60.0	41.4	60.0	60.0	-	44.1	58.8	60.0	42.8	60.0	60.0	35.2	52.8	60.0	34.7	52.1	60.0
60		-	39.7	52.9	60.0	37.2	55.9	60.0	-	39.7	52.9	60.0	38.5	57.8	60.0	31.7	47.6	60.0	31.3	46.9	60.0
66		-	36.1	48.1	59.1	33.9	50.8	59.1	-	36.1	48.1	59.1	35.0	52.6	59.1	-	43.2	57.7	-	42.6	56.9
30	144 MAX.	48.5	60.0	60.0	60.0	60.0	60.0	60.0	48.5	60.0	60.0	60.0	60.0	60.0	60.0	58.1	60.0	60.0	57.3	60.0	60.0
36		40.4	60.0	60.0	60.0	56.9	60.0	60.0	40.4	60.0	60.0	60.0	58.9	60.0	60.0	48.4	60.0	60.0	47.8	60.0	60.0
42		34.7	52.0	60.0	60.0	48.8	60.0	60.0	34.7	52.0	60.0	60.0	50.5	60.0	60.0	41.5	60.0	60.0	41.0	60.0	60.0
48		30.3	45.5	60.0	60.0	42.7	60.0	60.0	30.3	45.5	60.0	60.0	44.2	60.0	60.0	36.3	54.5	60.0	35.8	53.8	60.0
54		-	40.4	53.9	60.0	37.9	56.9	60.0	-	40.4	53.9	60.0	39.3	58.9	60.0	32.3	48.4	60.0	31.9	47.8	60.0
60		-	36.4	48.5	59.6	34.1	51.2	59.6	-	36.4	48.5	59.6	35.3	53.0	59.6	-	43.6	58.1	-	43.0	57.3

Table 4 | SCREW ANCHOR LOAD CAPACITY TABLE

TABLE A1 - DOOR JAMB TOP ANCHOR	
TYPE	QTY.
A	11
B	8
C	11
D	8
E	10
F	10

TABLE A2 - DOOR JAMB BOTTOM ANCHOR	
TYPE	QTY.
C	10
D	7

DOOR JAMB SCREW TYPE ANCHORS



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(Non-HVHZ / Non-Impact)**

REVN	DATE/REMARKS

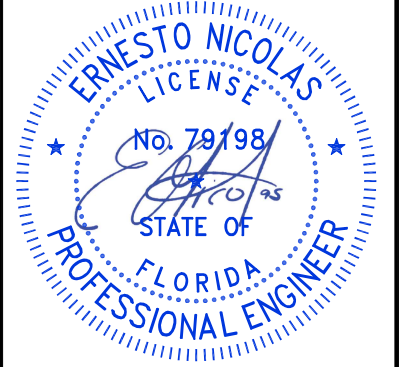
ENGINEER:



En3 Engineering & Consultancy

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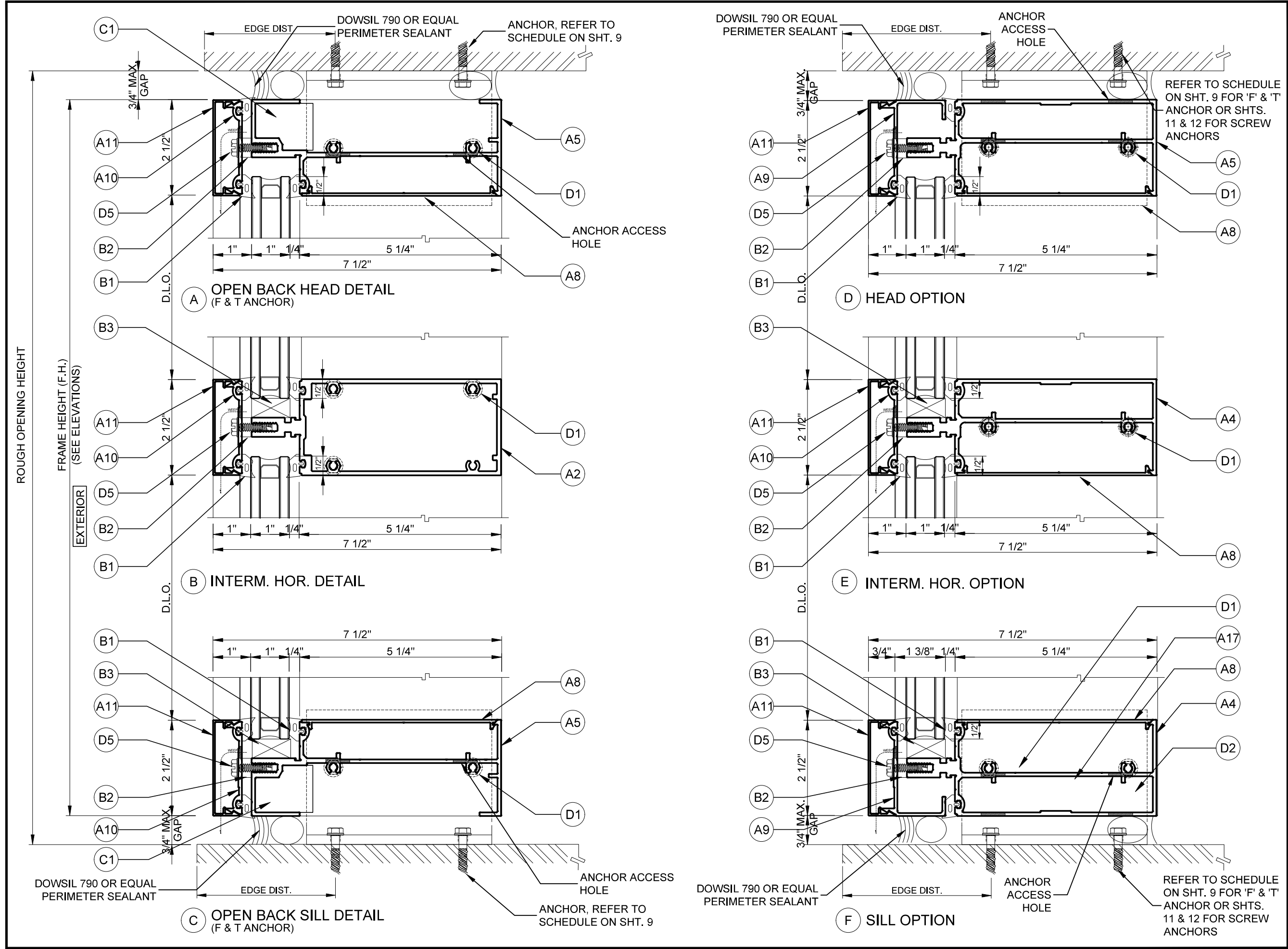
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FL47489

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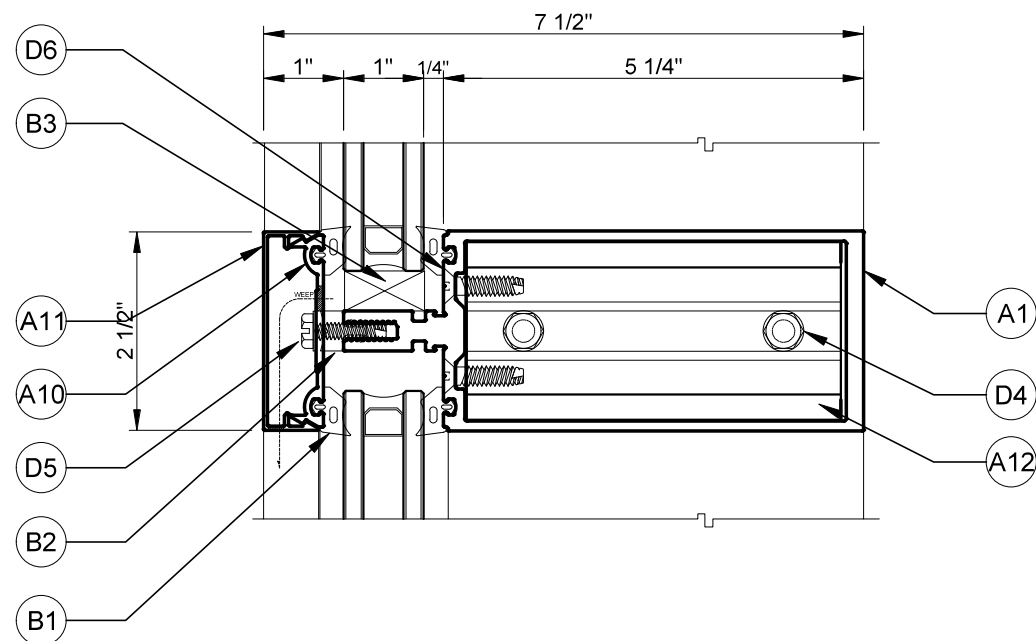
FLORIDA PRODUCT APPROVAL:

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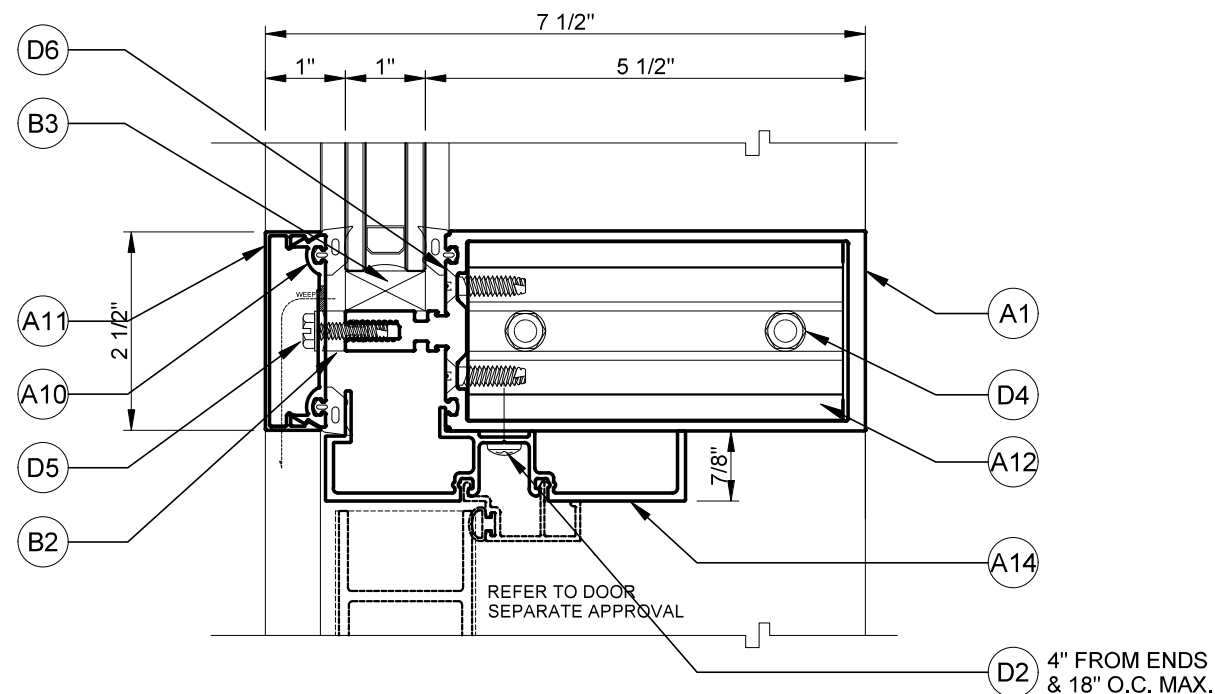
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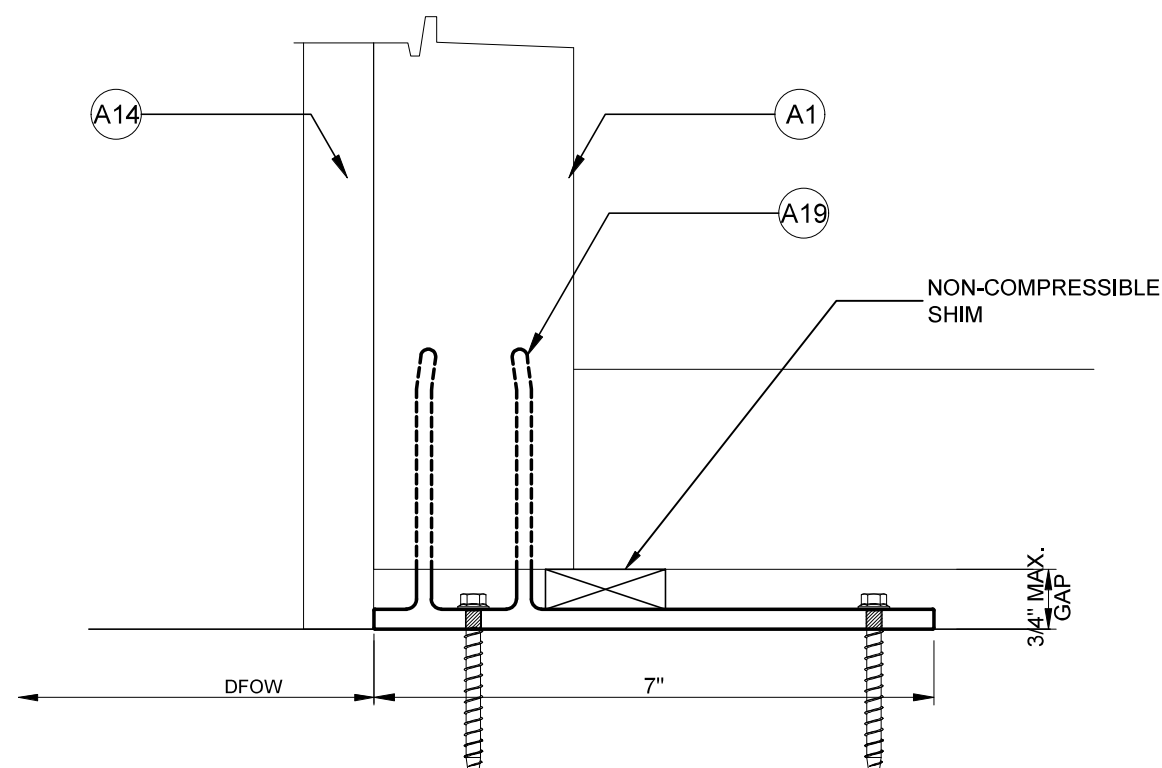
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A INTERM. HOR. DETAIL
(FRONT SET SHEAR CLIP OPTION)
(USE WHEN CONNECTING TO SB750-1 VERTICAL)



B DOOR HEADER & SUB-FRAME INTERFACE



C DOOR JAMB & SUB-FRAME INTERFACE
AT BOTTOM ANCHOR

PRODUCT:

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REVN	DATE/REMARKS

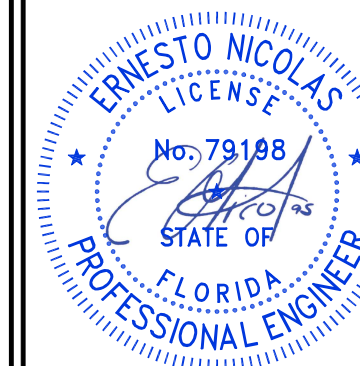
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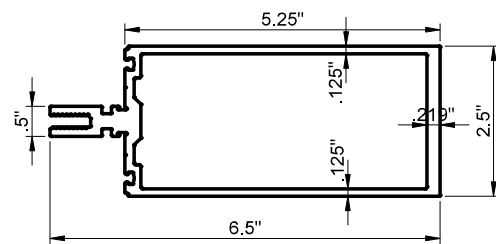
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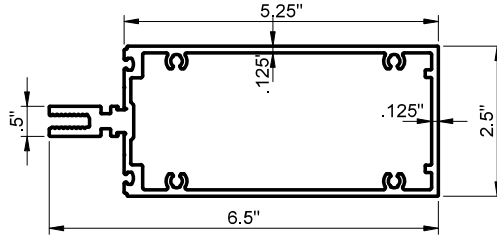
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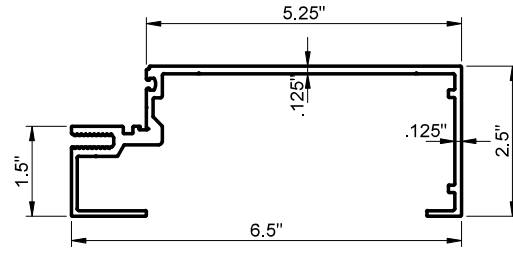
SB752 PARTS TABLE



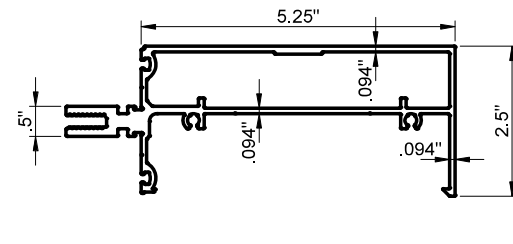
A1 SB750-1 VERTICAL/HORIZONTAL MULLION



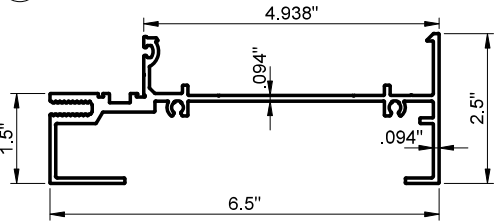
A2 SB752-2 VERTICAL/HORIZONTAL



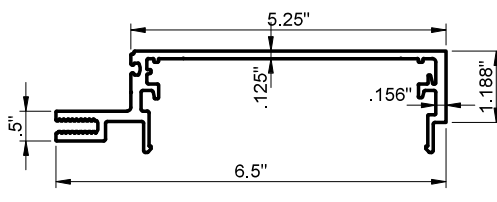
A3 SB750-4 OPEN BACK JAMB



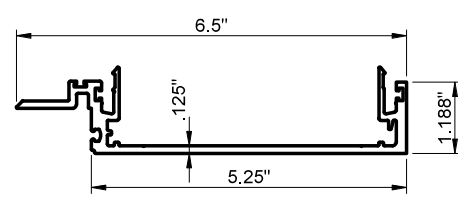
A4 SB750-7 HORIZONTAL MULLION



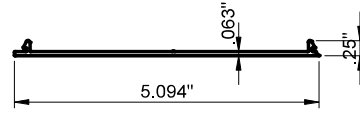
A5 SB750-8 HEAD / SILL



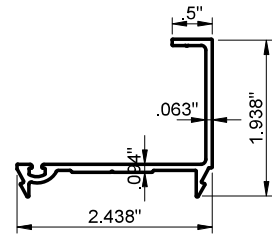
A6 SB752-1M SPLIT MALE MULLION



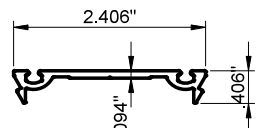
A7 SB752-1F SPLIT FEMALE MULLION



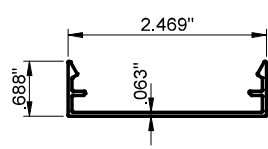
A8 SB750-9 FLAT FILLER



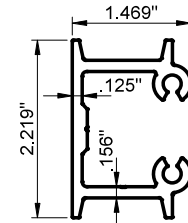
A9 SB750-10 PERIMETER PRESSURE PLATE



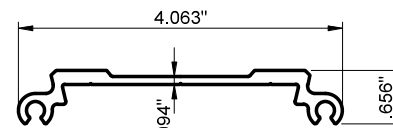
A10 SB750-11 (81002) PRESSURE BAR



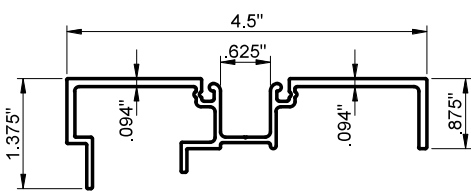
A11 SB750-12 COVER CAP



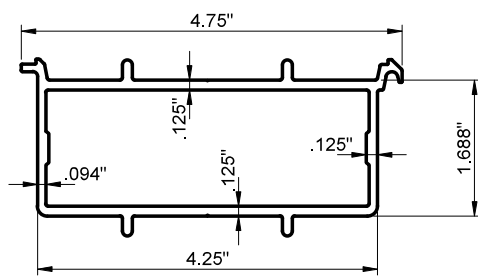
A12 81531 SHEAR CLIP FRONT-FACE ATTACHED



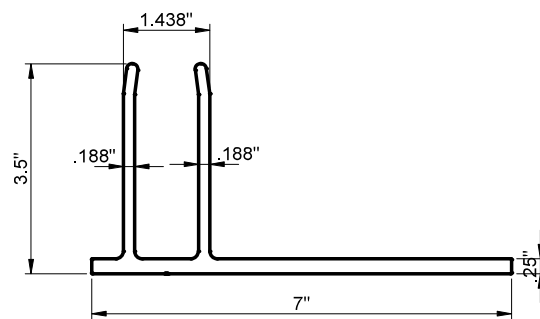
A13 81530 SHEAR CLIP



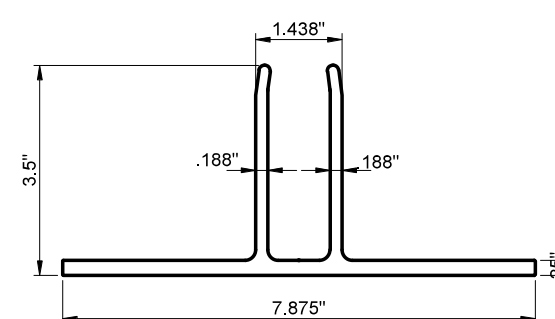
A14 SB750-21 DOOR ADAPTER



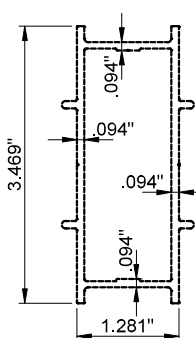
A15 SB750-47 SPLIT CURTAINWALL - ALUM. SPLICE



A16 SPLIT MULLION 'F' ANCHOR



A17 SPLIT MULLION 'T' ANCHOR



A18 SB750-22 ALUM. REINFORCEMENT



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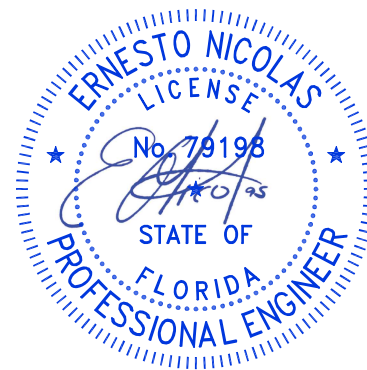
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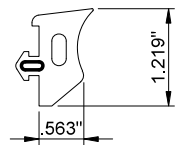


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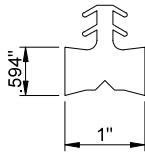
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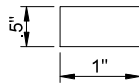
SHEET NO.:
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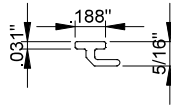
(B1) 05412 GLAZING GASKET



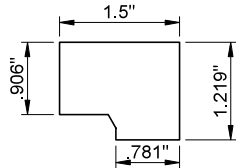
(B2) 05414 PRESSURE BAR GASKET



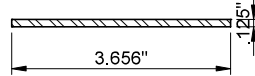
(B3) 38001 SETTING BLOCK



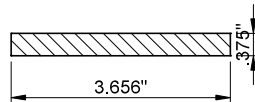
(B4) RG-33 FINGER GASKET



(C1) ED750-8 END PLUG



(C3) STEEL BAR REINF. A36 MIN.



(C4) ALUM. BAR REINF. 6063-T6

SB752 BILL OF MATERIALS

SB751 SYSTEM PARTS TABLE

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	MANUFACTURER
A 1	SB750-1	DOOR JAMB/HORIZONTAL MULLION	6063-T6 ALUM	TRULITE
A 2	SB752-2	HORIZONTAL MULLION	6063-T6 ALUM	TRULITE
A 3	SB750-4	OPEN BACK JAMB	6063-T6 ALUM	TRULITE
A 4	SB750-7	HORIZONTAL MULLION/HEAD/SILL	6063-T6 ALUM	TRULITE
A 5	SB750-8	HEAD/SILL	6063-T6 ALUM	TRULITE
A 6	SB752-1M	SPLIT MALE MULLION	6063-T6 ALUM	TRULITE
A 7	SB752-1F	SPLIT FEMALE MULLION	6063-T6 ALUM	TRULITE
A 8	SB750-9	FLAT FILLER	6063-T6 ALUM	TRULITE
A 9	SB750-10	PERIMETER PRESSURE BAR	6063-T6 ALUM	TRULITE
A 10	SB751-11	PRESSURE BAR	6063-T6 ALUM	TRULITE
A 11	SB750-12	COVER CAP	6063-T6 ALUM	TRULITE
A 12	81531	SHEAR CLIP FRONT FACE ATTACHED	6063-T6 ALUM	TRULITE
A 13	81530	SHEAR CLIP	6063-T6 ALUM	TRULITE
A 14	SB750-21	DOOR ADAPTER	6063-T6 ALUM	TRULITE
A 15	SB750-47	SPLIT CURTAINWALL-ALUM SPLICE	6063-T6 ALUM	TRULITE
A 16	81590F	SPLIT MULLION 'F' JAMB ANCHOR	6063-T6 ALUM	TRULITE
A 17	81591E	SPLIT MULLION 'T' ANCHOR	6063-T6 ALUM	TRULITE
A 18	SB750-22	ALUMINUM REINFORCEMENT	6063-T6 ALUM	TRULITE
A 19	81590	JAMB 'F' ANCHOR	6063-T6 ALUM	TRULITE
A 20	81591	MULLION 'T' ANCHOR	6063-T6 ALUM	TRULITE
B 1	05412	GLAZING GASKET	EPDM	TRULITE
B 2	05414	PRESSURE BAR GASKET	EPDM	TRULITE
B 3	38001	1" SETTING BLOCK	EPDM	TRULITE
B 4	RG-33	FINGER GASKET	EPDM	TRULITE

SB751 SYSTEM PARTS TABLE

ITEM NO.	PART NUMBER	DESCRIPTION	MATERIAL	MANUFACTURER
B 1	05412	GLAZING GASKET	EPDM	TRULITE
B 2	05414	PRESSURE BAR GASKET	EPDM	TRULITE
B 3	38001	1" SETTING BLOCK	EPDM	TRULITE
B 4	RG-33	FINGER GASKET	EPDM	TRULITE
C 1	ED750-8	END PLUG FOR SB750-8	CLOSED CELL FOAM	TRULITE
C 2	—	ALUMINUM GLASS SPACER	ALUMINUM	VARIES
C 3	—	$\frac{1}{8}$ " x $3\frac{5}{8}$ " STEEL BAR	A36 MIN.	VARIES
C 4	—	$\frac{3}{8}$ " x $3\frac{5}{8}$ " ALUMINUM BAR	6063-T6 ALUMINUM	TRULITE
D 1	FAS14-2	$\frac{1}{4}$ "-14 x 1" HWH-F MS	ZINC COATED STEEL	VARIES
D 2	23022	$\frac{1}{4}$ "-20 x 3/4" PPH-23 MS	ZINC COATED STEEL	VARIES
D 3	23021	#12-24 x 2" PPH-23 MS	ZINC COATED STEEL	VARIES
D 4	23261	$\frac{1}{4}$ "-20 x 5/8" HWH MS	ZINC COATED STEEL	VARIES
D 5	23020	$\frac{1}{4}$ "-20 x 7/8" HWH MS	ZINC COATED STEEL	VARIES
D 6	23177	#14 x 1 FHP MS 18/8	STAINLESS STEEL	VARIES
D 7	23080	#10-24 x 1/2" FHP-23 UNDER CUT	ZINC COATED STEEL	VARIES



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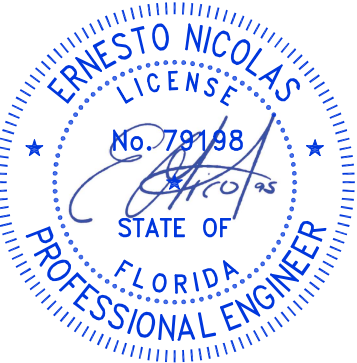
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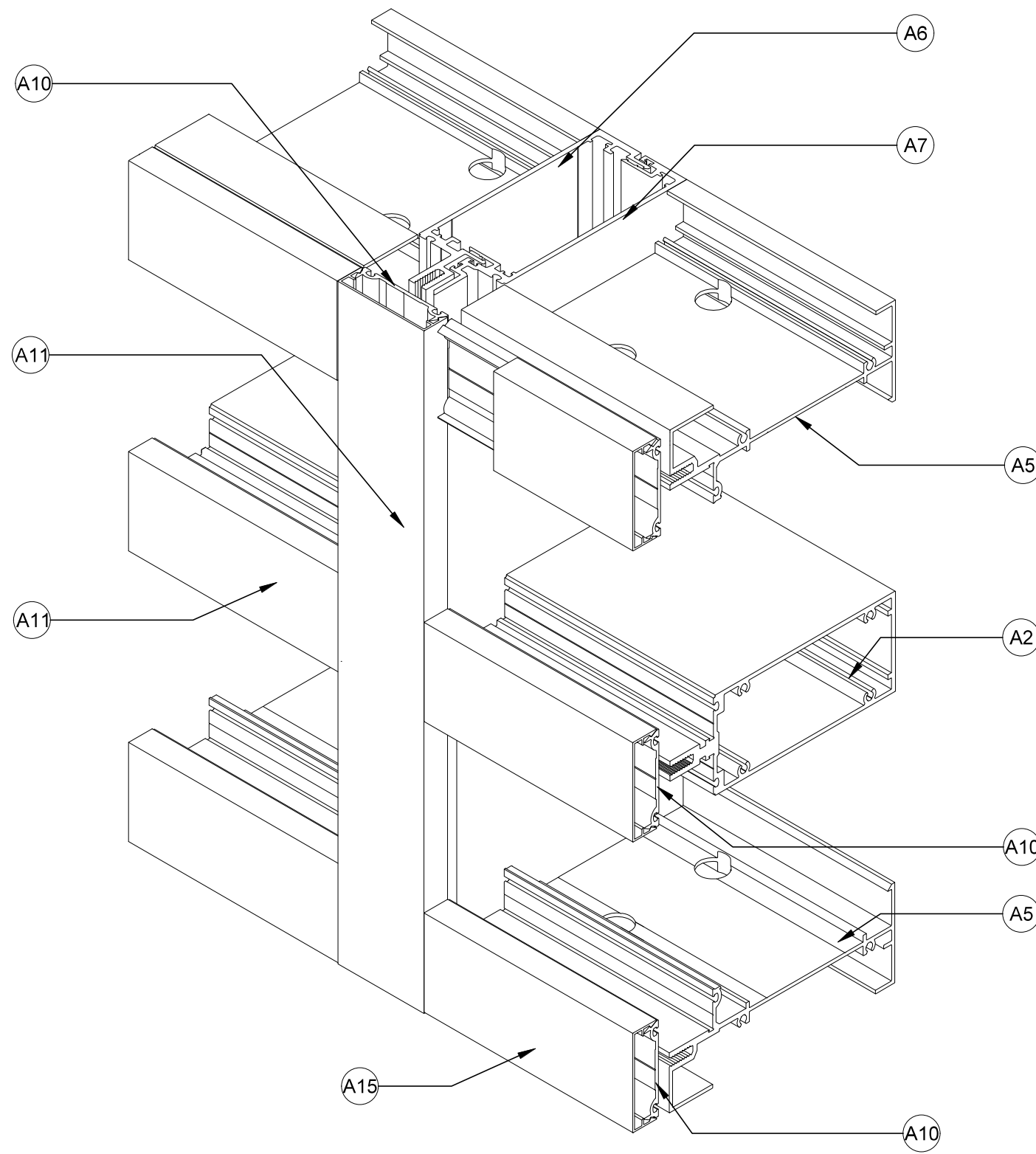
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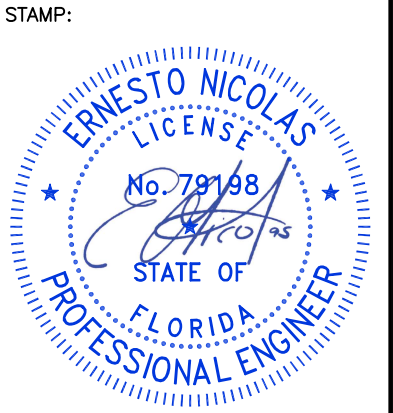
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