

ALUCORP S.A. DE C.V.

7000 SERIES ALUMINUM CURTAIN WALL

(HVHZ)(IMPACT)

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION FLORIDA BUILDING CODE (FBC), INCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
 - AAMA 501-15
 - TAS 201-94
 - TAS 202-94
 - TAS 203-94
2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING, AND METAL FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
3. 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
4. THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT IN NON-HVHZ AREAS. IN HVHZ AREAS, ONE TIME PRODUCT APPROVAL TO BE OBTAINED FROM MIAMI-DADE RER OR AHJ.
5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE.
6. WINDOW FRAME MATERIAL: ALUMINUM 6005-T6.
7. GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SECTION 6 FOR GLAZING DETAILS.

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBERS OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCE). TOLERANCE ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. REFER TO SECTION 8 FOR ANCHOR TYPE, SUBSTRATE STRENGTH, EMBEDMENT & EDGE DISTANCE REQUIREMENTS. FOLLOW MANUFACTURER INSTALLATION INSTRUCTIONS FOR INSTALLATION OF ANCHORS.
5. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER AND SIDING.
6. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS, AND ANCHORS SHALL NOT BE USED IN SUBSTRATES WITH STRENGTHS LESS THAN THE MINIMUM STRENGTH SPECIFIED BY THE ANCHOR MANUFACTURER.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1

DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2

SEE CHARTS ON SECTION 6 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3

CHECK MULLION CAPACITY FOR A GIVEN SPACING, HEIGHT, SINGLE SPAN, MULTIPLE SPANS AND CORNERS ON SECTION 7.
- STEP 4

USING HEAD/SILL ANCHOR DETAILS, SELECT ANCHOR OPTION FROM TABLES ON SECTION 8 WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5

CHECK INTERMEDIATE ANCHOR CAPACITY FOR MULTIPLE SPANS USING CHARTS OR DETAILS ON SECTION 8.
- STEP 6

THE LOWEST VALUE RESULTING FROM STEPS 2, 3, 4 AND 5 SHALL APPLY TO ENTIRE SYSTEM.

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ALUCORP S.A. DE C.V.
CALLE 2 TABLAJE 17439 INT C X 21Y
25 CHICHI SUAREZ, MERIDA
YUCATAN, MEXICO

TITLE: 7000 SERIES ALUMINUM CURTAIN WALL (HVHZ)(IMPACT) INSTALLATION & GENERAL NOTES

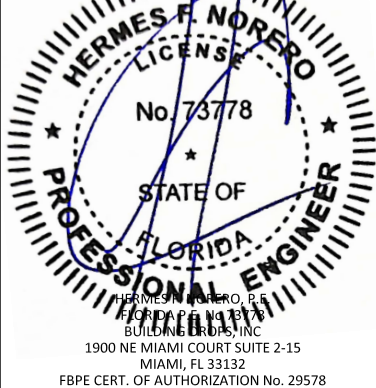
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REMARKS	BY	DATE

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Reason: I am approving this document
Date: 2024.12.11 18:01:40 -0500'



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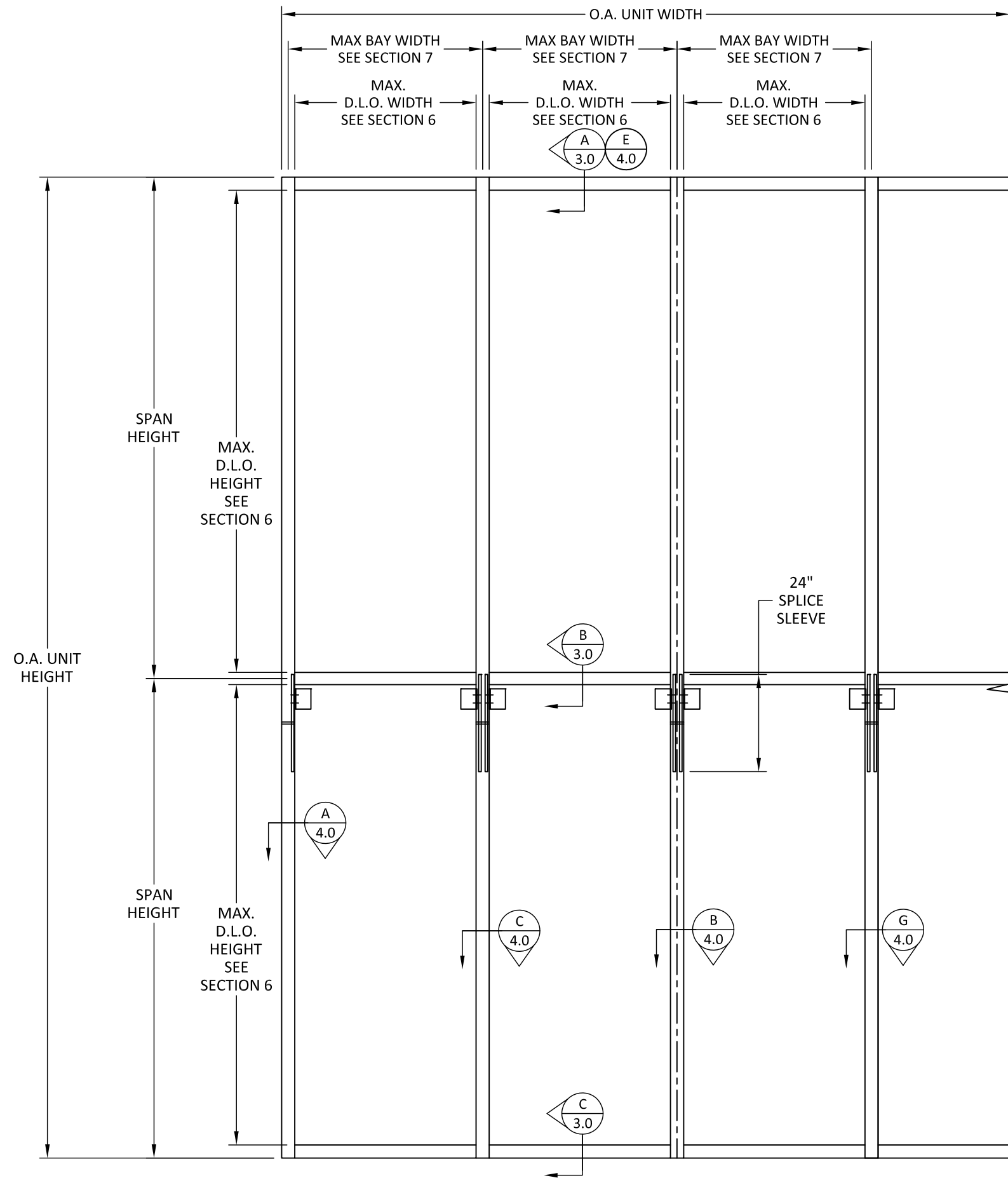
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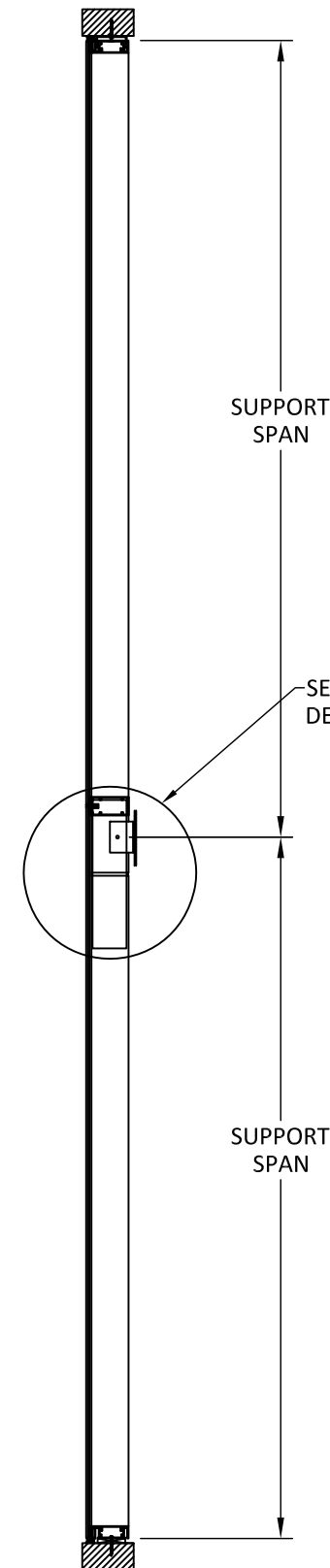
SCALE: **NTS**

DWG. #: **ALP006**

SECTION:
1.0
Page 1 of 28



TYPICAL TWIN SPAN ELEVATIONS



TWIN SPAN SECTION



INTERALUM

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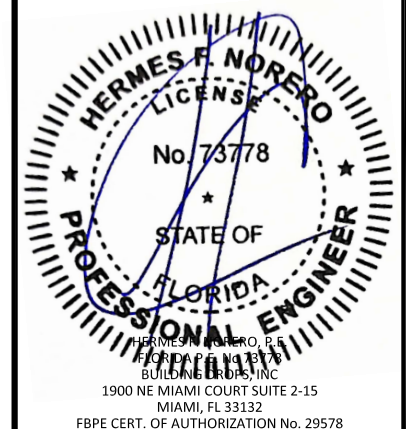
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ELEVATIONS

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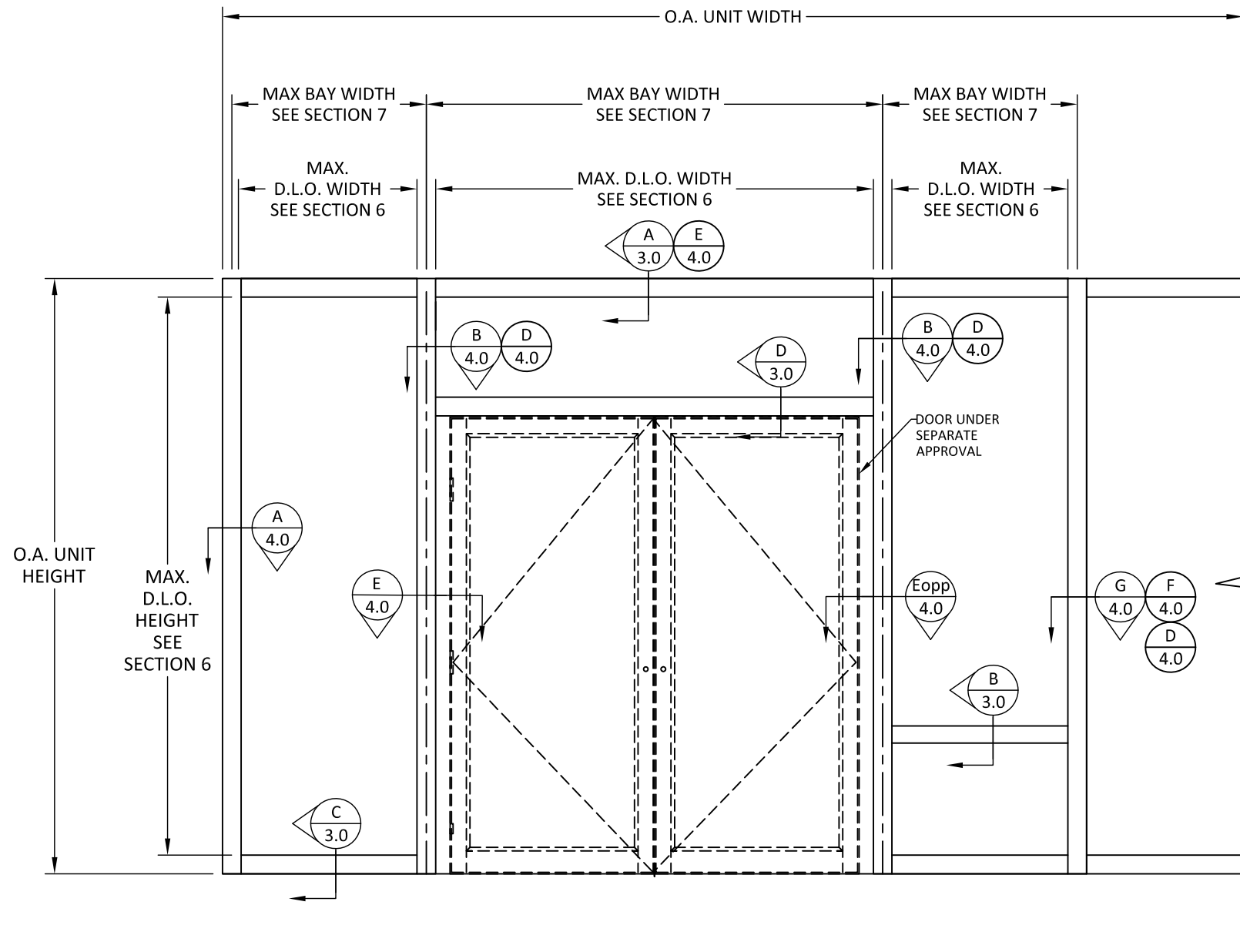


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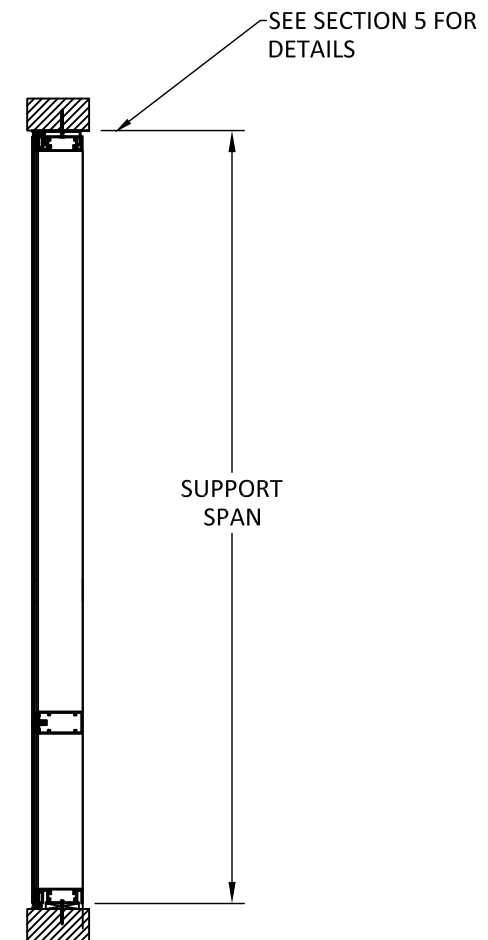
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TYPICAL SINGLE SPAN ELEVATIONS



SINGLE SPAN SECTION



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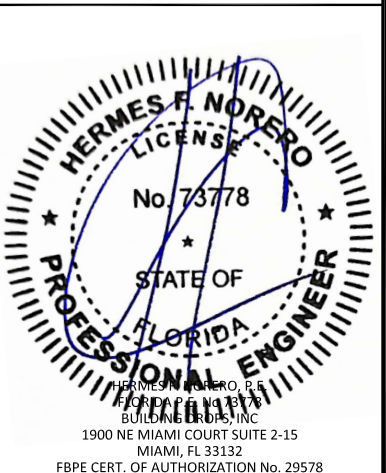
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ELEVATIONS

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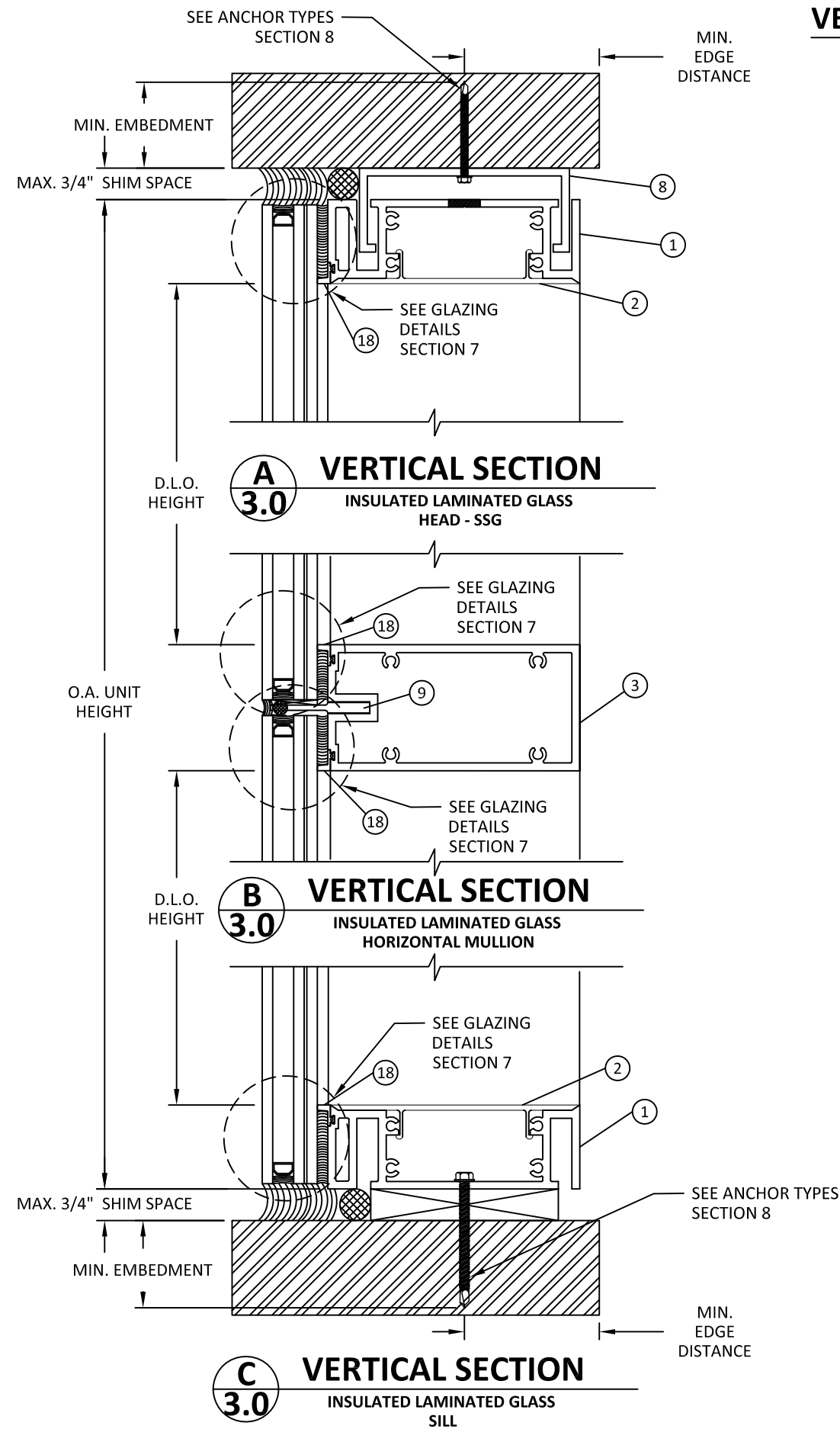
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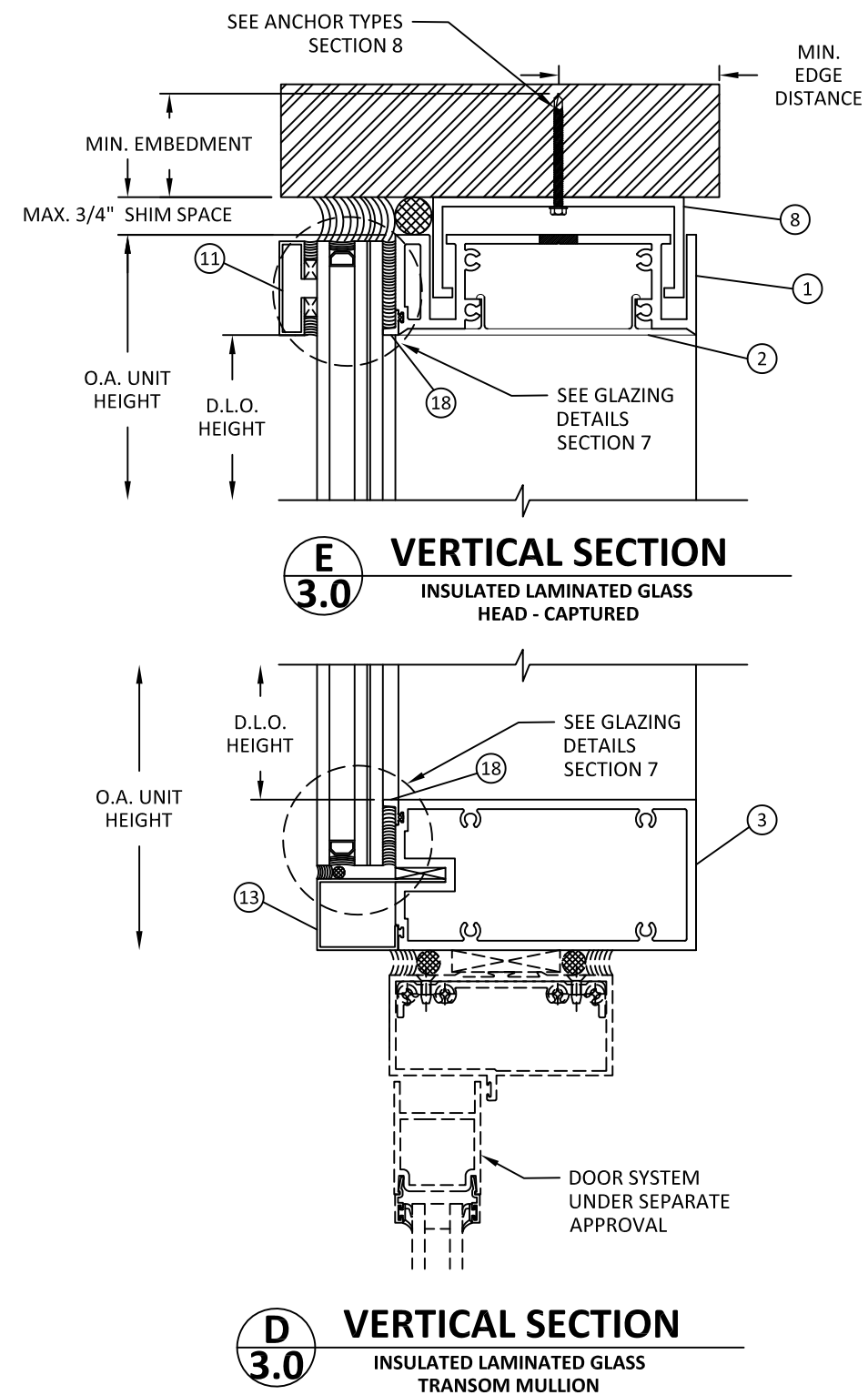
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VERTICAL SECTIONS



INTERALUM

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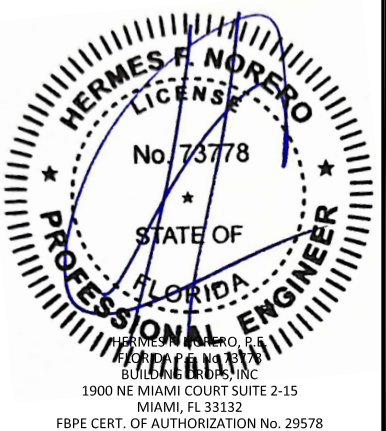
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VERTICAL SECTIONS

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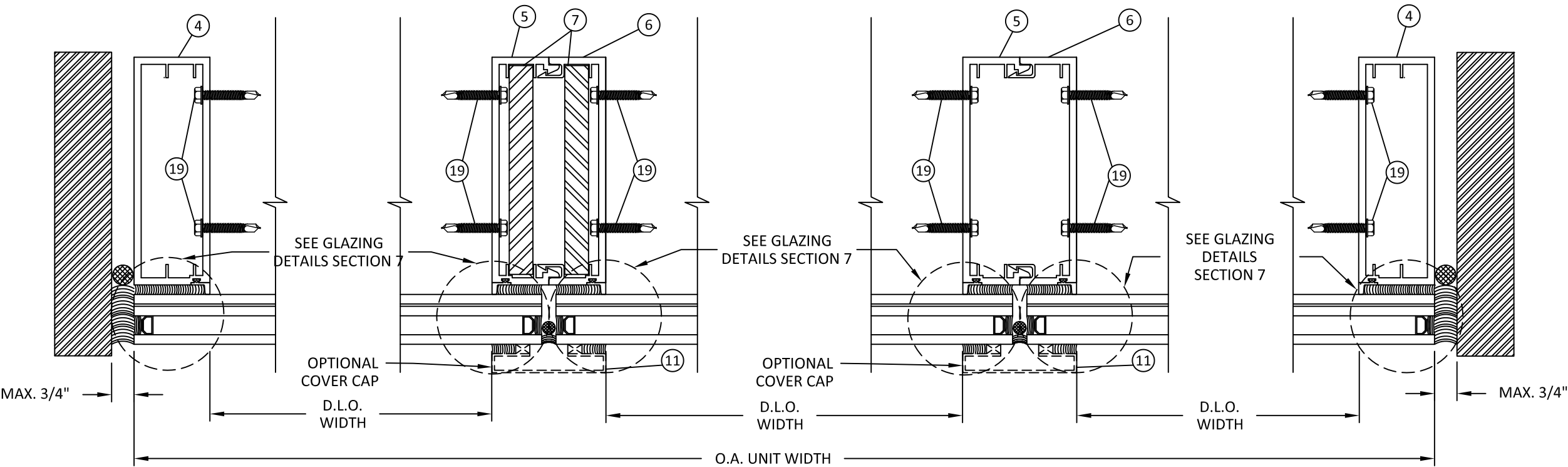
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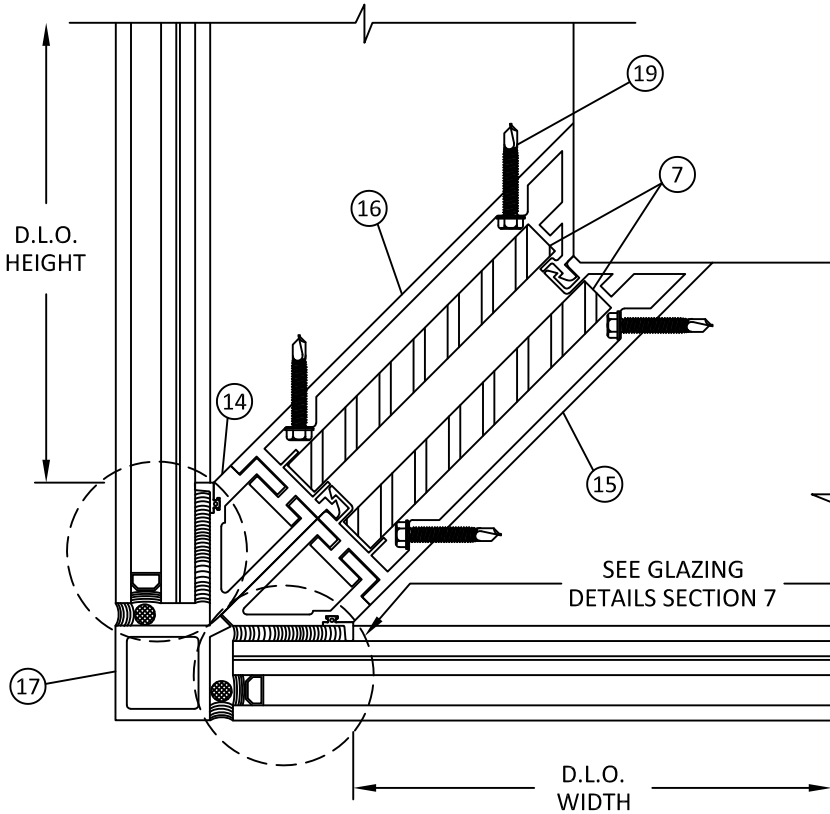


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HORIZONTAL SECTIONS

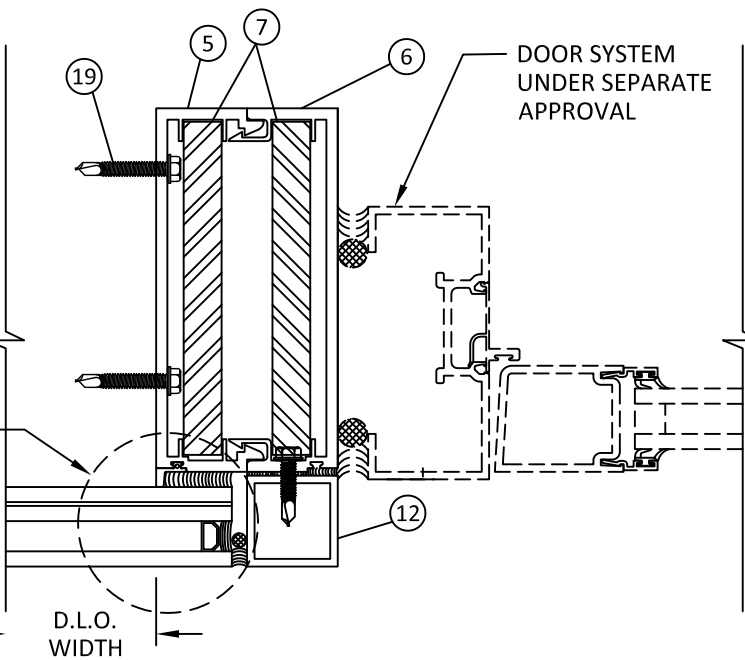


A HORIZONTAL SECTION
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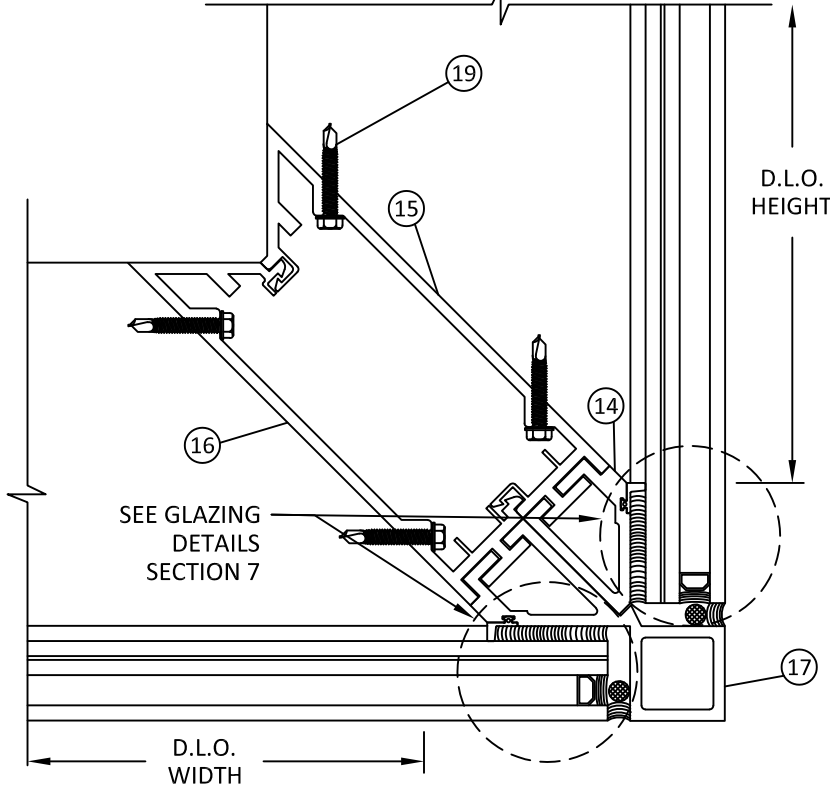
D HORIZONTAL SECTION
4.0 INSULATED GLASS REINFORCED CORNER MULLION

B HORIZONTAL SECTION
4.0 INSULATED GLASS REINFORCED VERTICAL MULLION



E HORIZONTAL SECTION
4.0 INSULATED GLASS REINFORCED DOOR JAMB MULLION

C HORIZONTAL SECTION
4.0 INSULATED GLASS VERTICAL MULLION



F HORIZONTAL SECTION
4.0 INSULATED GLASS CORNER MULLION

G HORIZONTAL SECTION
4.0 INSULATED GLASS JAMB

INTERALUM

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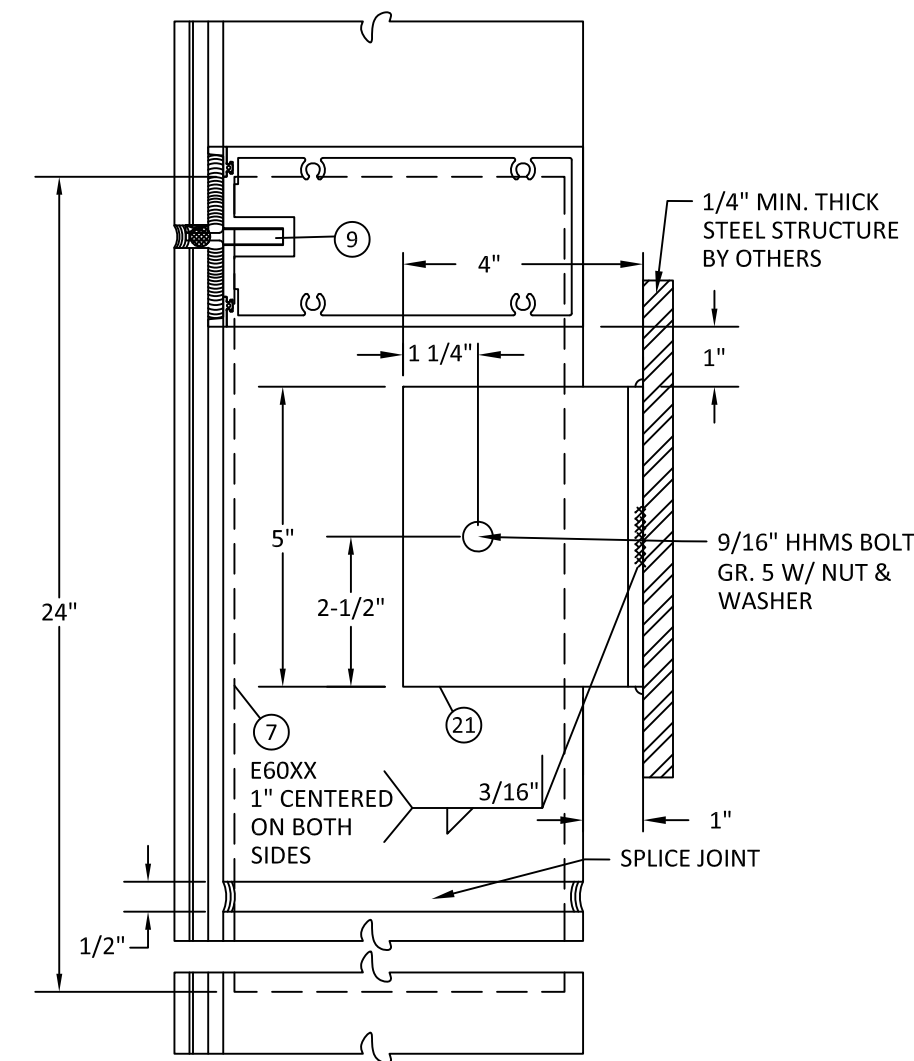
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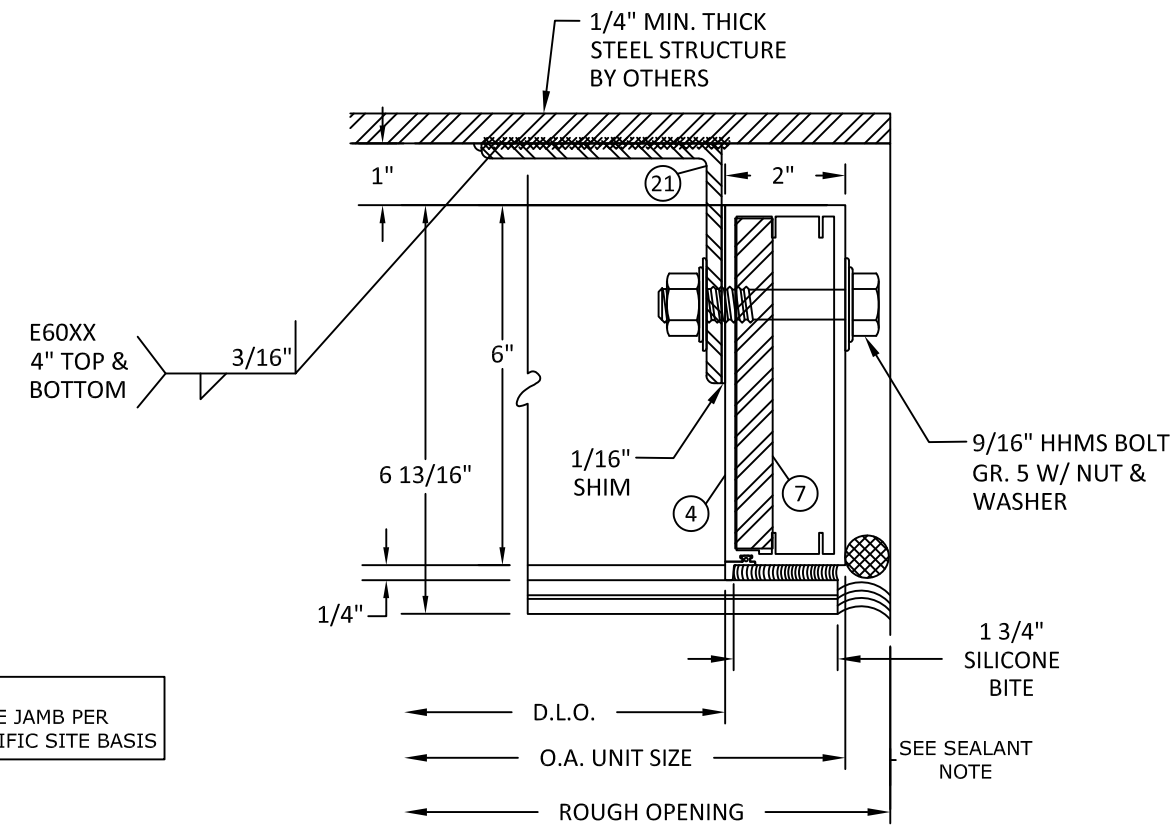
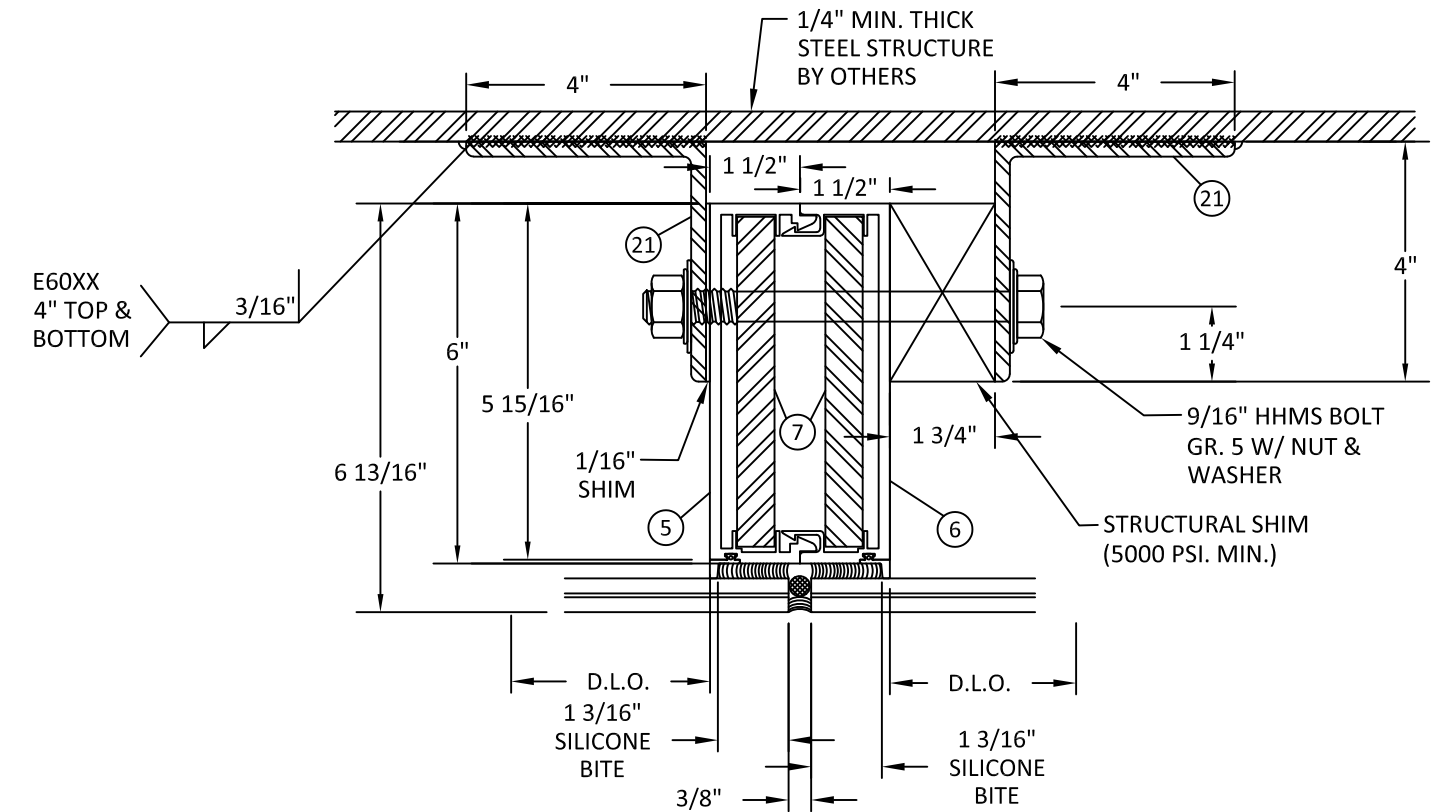
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INTERMEDIATE ANCHOR



NOTE:
SEE PAGE 20 FOR REQUIRED SPLICE REINFORCEMENT FOR CONDITIONS WHERE
1 SPAN IS GREATER THAN 11'-0" & PRESSURES ARE GRATER THAN 90 P.S.F.

SEALANT NOTE:
DESIGN SEALANT AT THE JAMB PER
ASTM C1472 ON A SPECIFIC SITE BASIS



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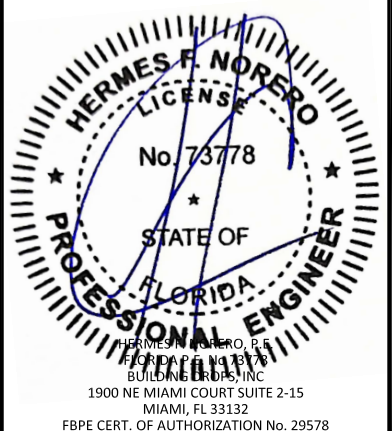
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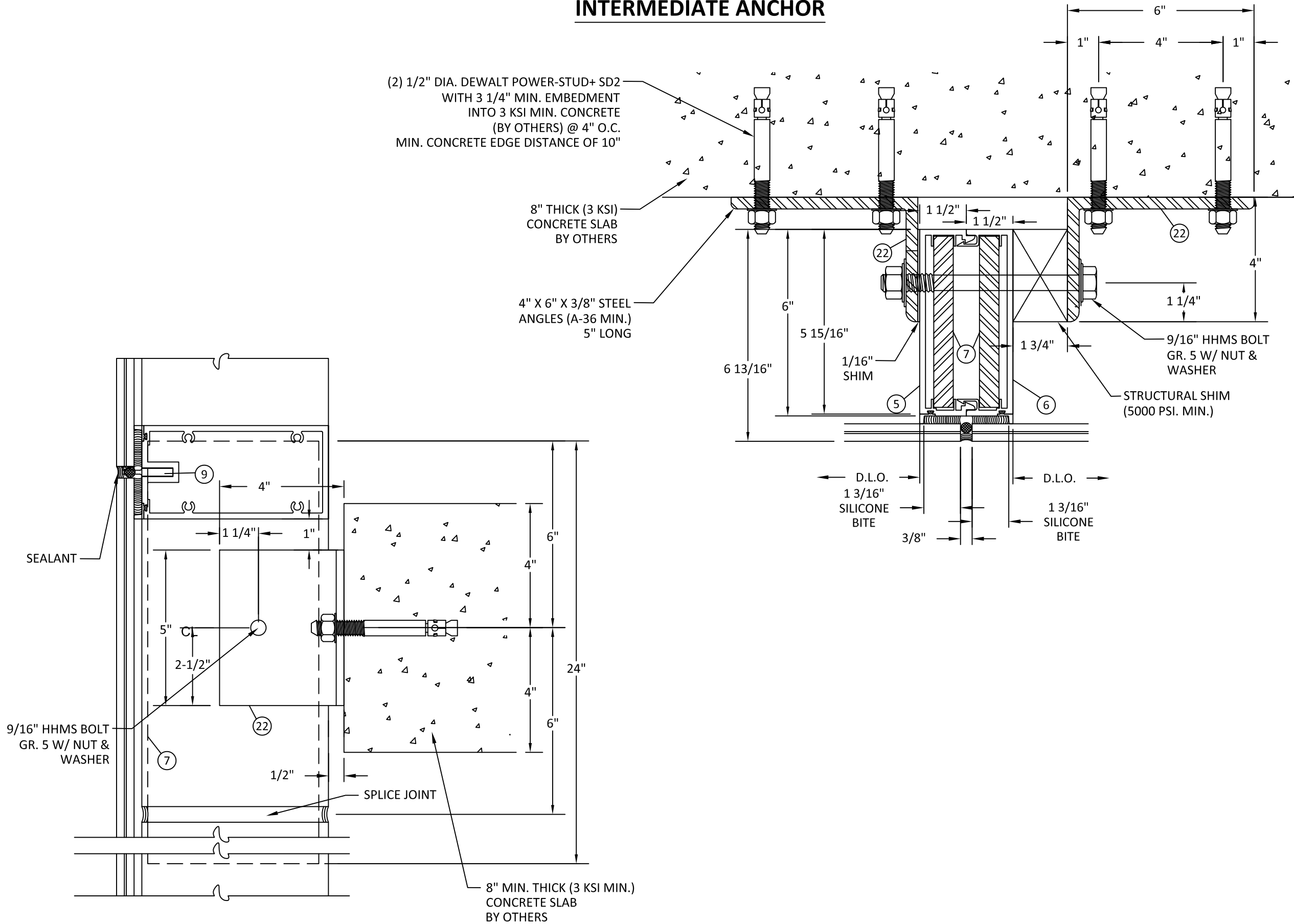
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INTERMEDIATE ANCHOR



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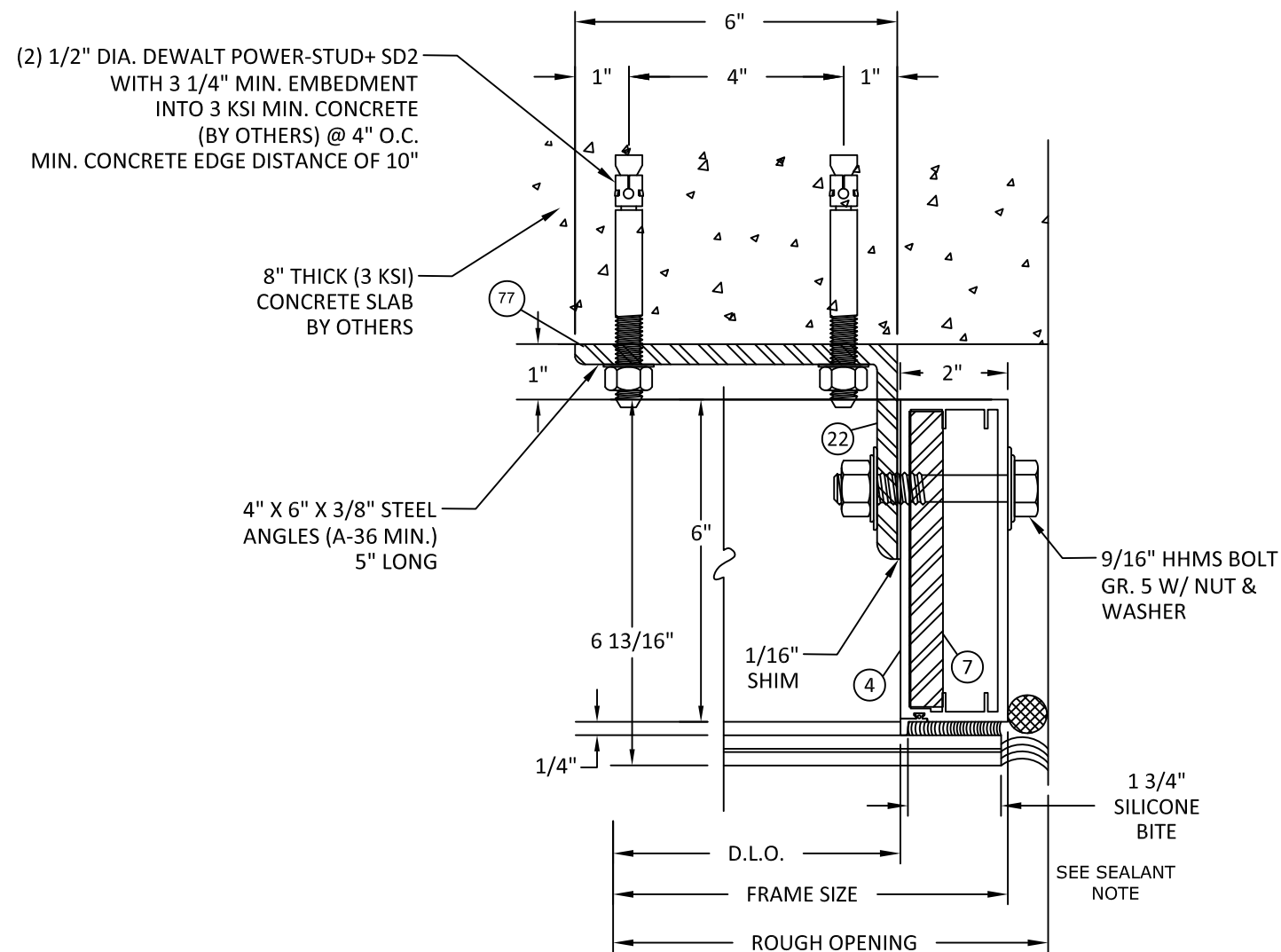
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INTERMEDIATE ANCHOR



SEALANT NOTE:
DESIGN SEALANT AT THE JAMB PER ASTM C1472 ON A SPECIFIC SITE BASIS



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INTERMEDIATE ANCHOR DETAILS

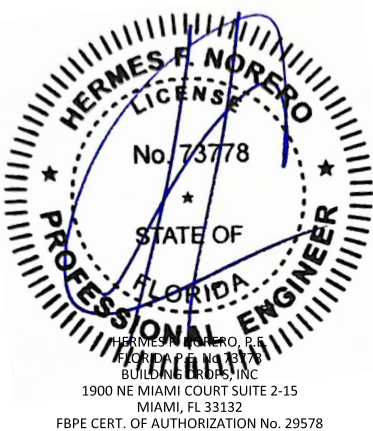
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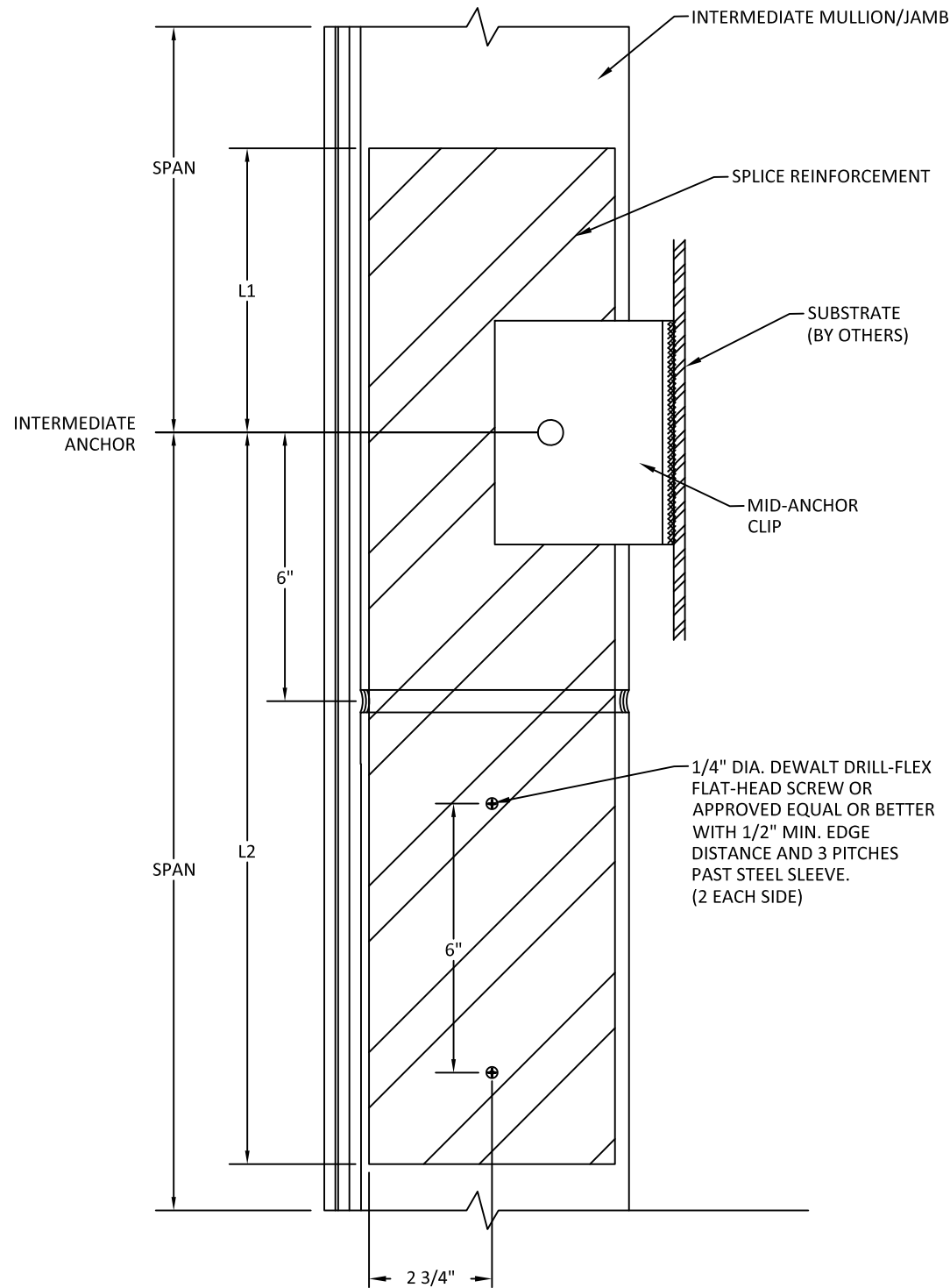
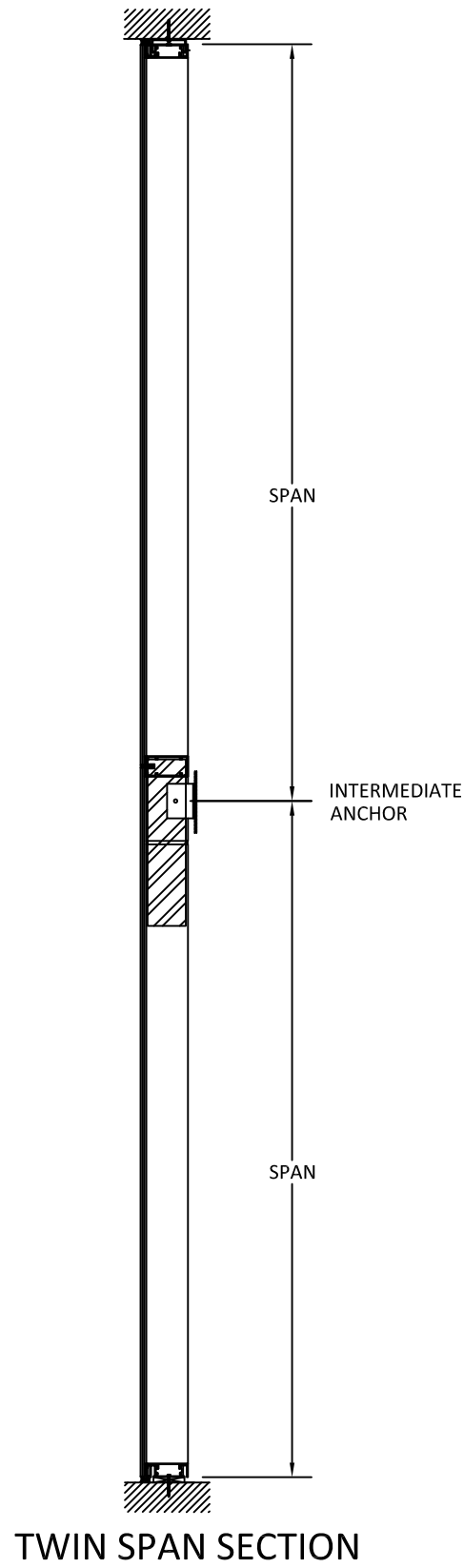


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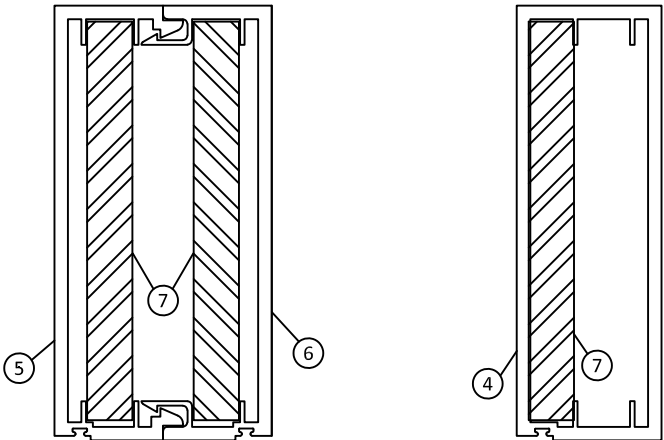
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SECTION:	5.2



SPAN RATIO	REINFORCEMENT LENGTH	
	L1 (IN)	L2 (IN)
1.00	6	18
1.09	18	18
1.20	25	25
1.33	28	28
1.50	32	32
1.71	36	36
2.00	32	32
2.40	28	28
3.00	24	24
4.00	20	20
6.00	12	18
12.00	6	18

* SPAN RATIO = SPAN 1 / SPAN 2, WHERE SPAN 1 IS THE LARGEST SPAN

NOTES:
* CHART CAN NOT BE INTERPOLATED.
* THIS CHART IS ONLY REQUIRED FOR CONFIGURATIONS WHERE (1) SPAN IS LARGER THAN 11' - 0" AND THE PRESSURES ARE GREATER THAN 90 PSF (ASD)





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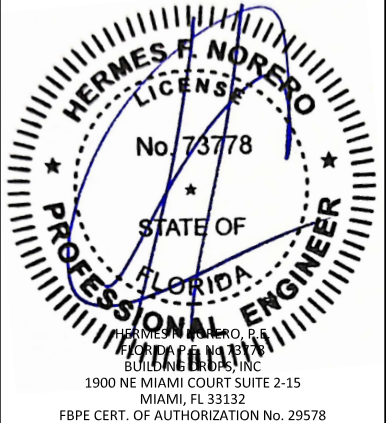
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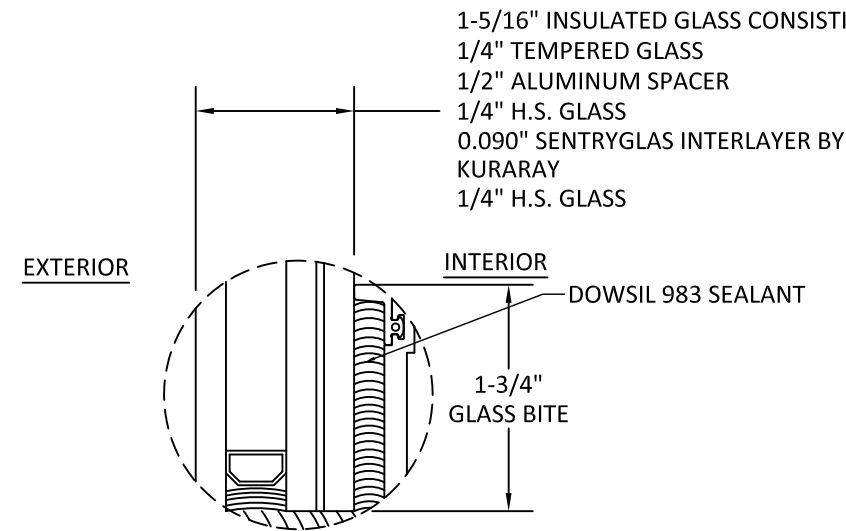
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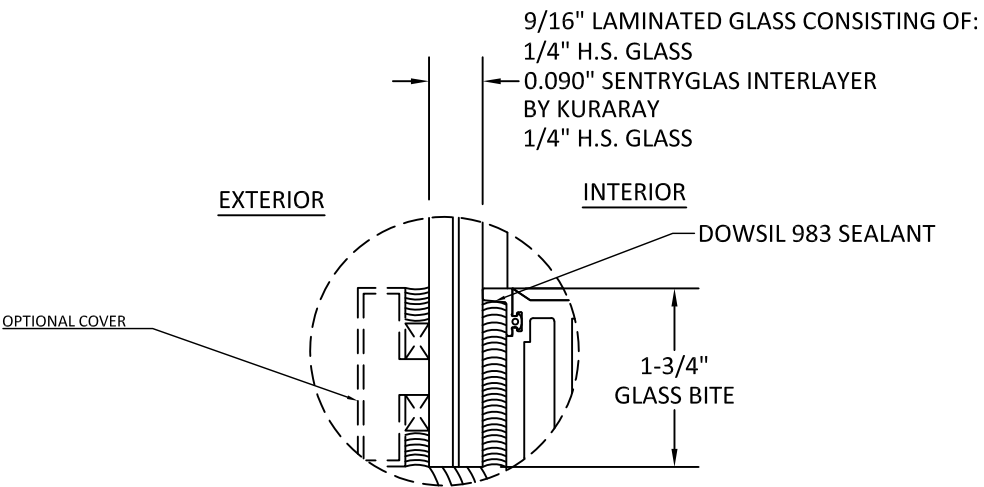
LAMINATED GLASS & INSULATED GLASS LARGE MISSILE IMPACT OPTIONS

NOTES:

- 1. CHART VALUES PROVIDE MAXIMUM DESIGN PRESSURES ACCORDING TO ASTM E1300 FOR GIVEN GLASS DIMENSIONS 'a' AND 'b' ($a \geq b$), AND CH. 17 OF THE FBC FOR SIZES OTHER THAN TESTED
- 2. DO NOT EXCEED MULLION CAPACITY SELECTED OR ANCHOR CAPACITY IN DESIGN PRESSURE CHARTS



GLAZING DETAIL A

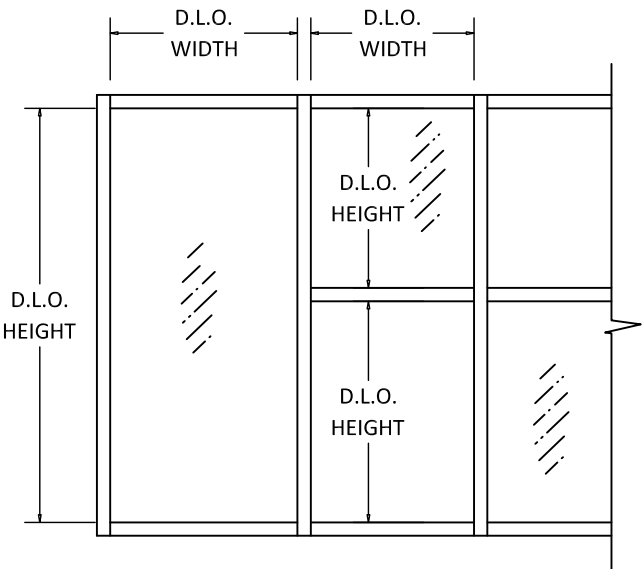
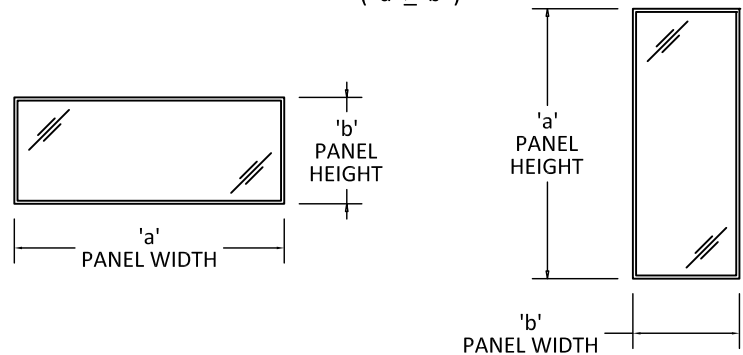


GLAZING DETAIL B

REFER TO SHEET 6.1 FOR LAMINATED, INSULATED GLASS & PANEL LARGE MISSILE IMPACT LOAD TABLE

PANEL DIMENSIONS

($a \geq b$)



GLAZING NOTES:

- 1. GLASS TYPE AND THICKNESS COMPLIES WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. THICKNESS, TEMPER, AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- 2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- 3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- 4. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DESIGN PRESSURE TABLES.



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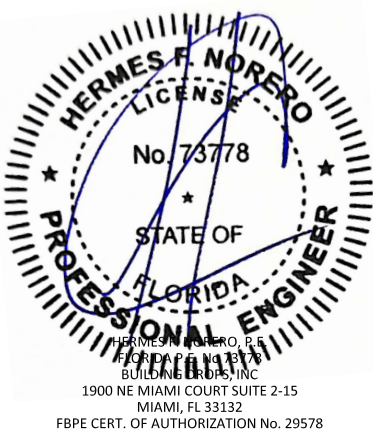
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REMARKS	BY	DATE

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FL#	FL47166
DATE:	12.09.24
DWG. BY:	DI
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ALP006
SECTION:	6.0

GLASS CAPACITY TABLES

GLASS LOAD CAPACITY (PSF)			
NOMINAL DIMS.		GLASS TYPE 'A & B'	
D.L.O. WIDTH (in.)	D.L.O. HEIGHT (in.)	EXT. (+)	INT. (-)
24.00	48.00	120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		120.00	120.00
48.00		119.79	119.79
54.00		119.79	119.79
57.50		119.79	119.79
60.00		119.79	119.79
66.00		119.79	119.79
72.00		119.79	119.79
78.00		119.79	119.79
84.00		119.79	119.79
90.00		119.79	119.79
96.00		119.79	119.79
102.00		119.79	119.79
108.00		119.79	119.79
114.00		119.79	119.79
120.00		119.13	119.13
126.00		117.72	117.72
132.00		116.48	116.48
138.00	115.36	115.36	
140.50	114.93	114.93	
24.00	54.00	120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		120.00	120.00
48.00		119.79	119.79
54.00		106.48	106.48
57.50		106.48	106.48
60.00		106.48	106.48
66.00		106.48	106.48
72.00		106.48	106.48
78.00		106.48	106.48
84.00		106.48	106.48
90.00		106.48	106.48
96.00		106.48	106.48
102.00		106.48	106.48
108.00		106.48	106.48
114.00		106.48	106.48
120.00		106.48	106.48
126.00		106.48	106.48
132.00		106.48	106.48
138.00	105.32	105.32	
140.50	104.86	104.86	
24.00	57.50	120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		120.00	120.00
48.00		119.79	119.79
54.00		106.48	106.48
57.50		100.00	100.00
60.00		100.00	100.00
66.00		100.00	100.00
72.00		100.00	100.00
78.00		100.00	100.00
84.00		100.00	100.00
90.00		100.00	100.00
96.00		100.00	100.00
102.00		100.00	100.00
108.00		100.00	100.00
114.00		100.00	100.00
120.00		100.00	100.00
126.00		100.00	100.00
132.00		100.00	100.00
138.00	100.00	100.00	
140.50	100.00	100.00	

GLASS LOAD CAPACITY (PSF)			
NOMINAL DIMS.		GLASS TYPE 'A & B'	
D.L.O. WIDTH (in.)	D.L.O. HEIGHT (in.)	EXT. (+)	INT. (-)
24.00	60.00	120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		120.00	120.00
48.00		119.79	119.79
54.00		106.48	106.48
57.50		100.00	100.00
60.00		95.83	95.83
66.00		95.83	95.83
72.00		95.83	95.83
78.00		95.83	95.83
84.00		95.83	95.83
90.00		95.83	95.83
96.00		95.83	95.83
102.00		95.83	95.83
108.00		95.83	95.83
114.00	66.00	95.83	95.83
120.00		95.83	95.83
126.00		95.83	95.83
132.00		95.83	95.83
24.00		120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		120.00	120.00
48.00		119.79	119.79
54.00		106.48	106.48
57.50		100.00	100.00
60.00		95.83	95.83
66.00		87.12	87.12
72.00		87.12	87.12
78.00		87.12	87.12
84.00		87.12	87.12
90.00	87.12	87.12	
96.00	87.12	87.12	
102.00	87.12	87.12	
108.00	87.12	87.12	
114.00	87.12	87.12	
120.00	87.12	87.12	
24.00	72.00	120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		120.00	120.00
48.00		119.79	119.79
54.00		106.48	106.48
57.50		100.00	100.00
60.00		95.83	95.83
66.00		87.12	87.12
72.00		79.86	79.86
78.00		79.86	79.86
84.00		79.86	79.86
90.00		79.86	79.86
96.00		79.86	79.86
102.00		79.86	79.86
108.00		79.86	79.86

GLASS LOAD CAPACITY (PSF)				
NOMINAL DIMS.		GLASS TYPE 'A & B'		
D.L.O. WIDTH (in.)	D.L.O. HEIGHT (in.)	EXT. (+)	INT. (-)	
24.00	78.00	120.00	120.00	
30.00		120.00	120.00	
36.00		120.00	120.00	
42.00		120.00	120.00	
48.00		119.79	119.79	
54.00		106.48	106.48	
57.50		100.00	100.00	
60.00		95.83	95.83	
66.00		87.12	87.12	
72.00		79.86	79.86	
78.00		73.72	73.72	
84.00		73.72	73.72	
90.00		73.72	73.72	
96.00		73.72	73.72	
102.00	73.72	73.72		
24.00	84.00	120.00	120.00	
30.00		120.00	120.00	
36.00		120.00	120.00	
42.00		120.00	120.00	
48.00		119.79	119.79	
54.00		106.48	106.48	
57.50		100.00	100.00	
60.00		95.83	95.83	
66.00		87.12	87.12	
72.00		79.86	79.86	
78.00		73.72	73.72	
84.00		68.45	68.45	
90.00		68.45	68.45	
96.00		68.45	68.45	
24.00	90.00	120.00	120.00	
30.00		120.00	120.00	
36.00		120.00	120.00	
42.00		120.00	120.00	
48.00		119.79	119.79	
54.00		106.48	106.48	
57.50		100.00	100.00	
60.00		95.83	95.83	
66.00		87.12	87.12	
72.00		79.86	79.86	
78.00		73.72	73.72	
84.00		68.45	68.45	
24.00		96.00	120.00	120.00
30.00			120.00	120.00
36.00	120.00		120.00	
42.00	120.00		120.00	
48.00	119.79		119.79	
54.00	106.48		106.48	
57.50	100.00		100.00	
60.00	95.83		95.83	
66.00	87.12		87.12	
72.00	79.86		79.86	
78.00	73.72		73.72	
84.00	68.45		68.45	

GLASS LOAD CAPACITY (PSF)			
NOMINAL DIMS.		GLASS TYPE 'A & B'	
D.L.O. WIDTH (in.)	D.L.O. HEIGHT (in.)	EXT. (+)	INT. (-)
24.00	102.00	120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		120.00	120.00
48.00		119.79	119.79
54.00		106.48	106.48
57.50		100.00	100.00
60.00		95.83	95.83
66.00		87.12	87.12
72.00		79.86	79.86
78.00	73.72	73.72	
24.00	108.00	120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		120.00	120.00
48.00		119.79	119.79
54.00		106.48	106.48
57.50		100.00	100.00
60.00		95.83	95.83
66.00		87.12	87.12
72.00		79.86	79.86
24.00	114.00	120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		120.00	120.00
48.00		119.79	119.79
54.00		106.48	106.48
57.50		100.00	100.00
60.00		95.83	95.83
66.00		87.12	87.12
72.00		79.86	79.86
24.00	120.00	120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		120.00	120.00
48.00		119.13	119.13
54.00		106.48	106.48
57.50		100.00	100.00
60.00		95.83	95.83
66.00		87.12	87.12
72.00		79.86	79.86
24.00	126.00	120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		120.00	120.00
48.00		117.72	117.72
54.00		106.48	106.48
57.50		100.00	100.00
60.00		95.83	95.83
66.00		87.12	87.12
72.00		79.86	79.86
24.00	132.00	120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		120.00	120.00
48.00		116.48	116.48
54.00		106.48	106.48
57.50		100.00	100.00
60.00		95.83	95.83
66.00		87.12	87.12
72.00		79.86	79.86
24.00	138.00	120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		120.00	120.00
48.00		115.36	115.36
54.00		105.32	105.32
57.50		100.00	100.00
60.00		95.83	95.83
66.00		87.12	87.12
72.00		79.86	79.86
24.00	140.50	120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		120.00	120.00
48.00		114.93	114.93
54.00		104.86	104.86
57.50		100.00	100.00
60.00		95.83	95.83
66.00		87.12	87.12
72.00		79.86	79.86



INTERALUM

ALUCORP S.A. DE C.V.
CALLE 2 TABLAJE 17439 INT C X 21Y
25 CHICHI SUAREZ, MERIDA
YUCATAN, MEXICO

0000 SERIES ALUMINUM
CURTAIN WALL
(HVHZ)(IMPACT)
GLAZING DETAILS

MIAMI COURT, STE. 2-15
MIAMI, FL 33133

MIAMI, FL 33132
H: (954)399-8478

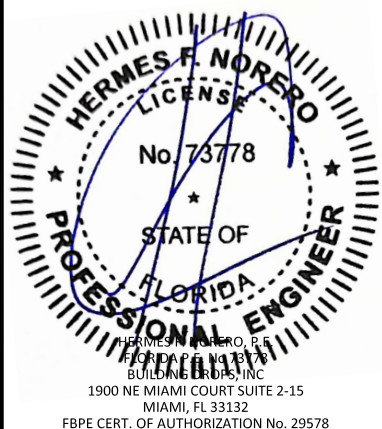
FAX: (954) 744.4738

PREPARED BY:



REMARKS	BY	DATE

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FL#

FL47166

DATE: 12.09.24

DWG. BY: DI	CHK. BY: HFN
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SCALE: **NTS**

DWG. #: ALP006

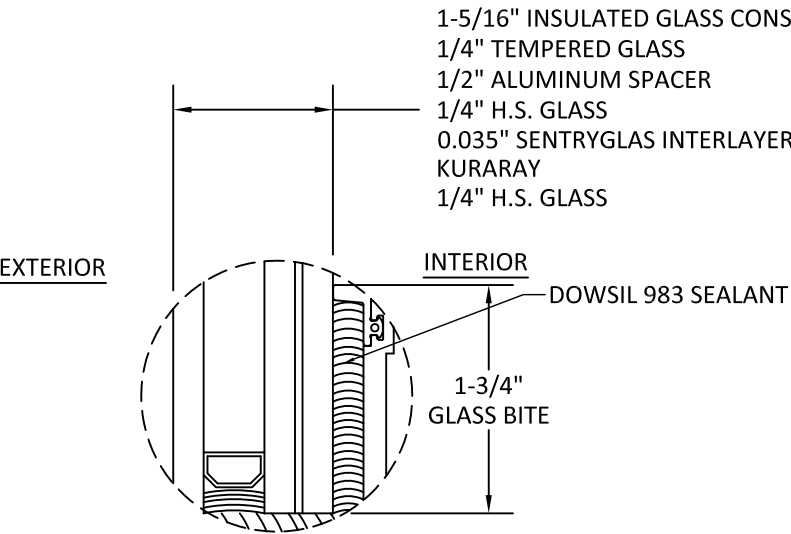
SECTION:

6.1

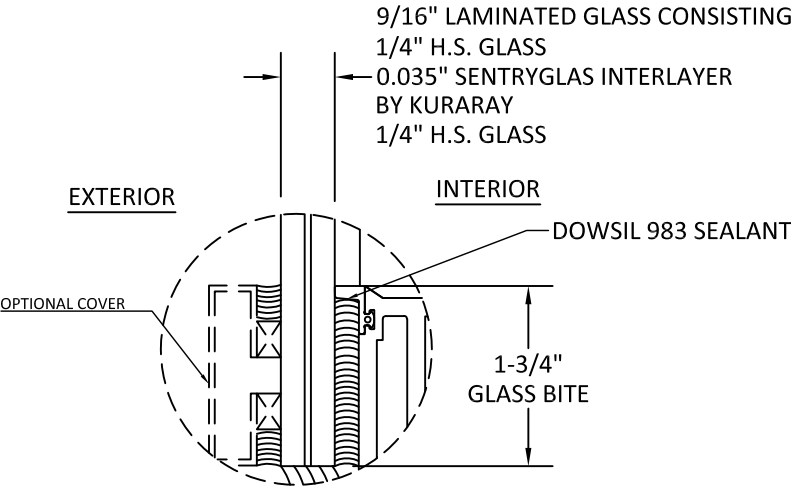
LAMINATED GLASS & INSULATED GLASS SMALL MISSILE IMPACT OPTIONS

NOTES:

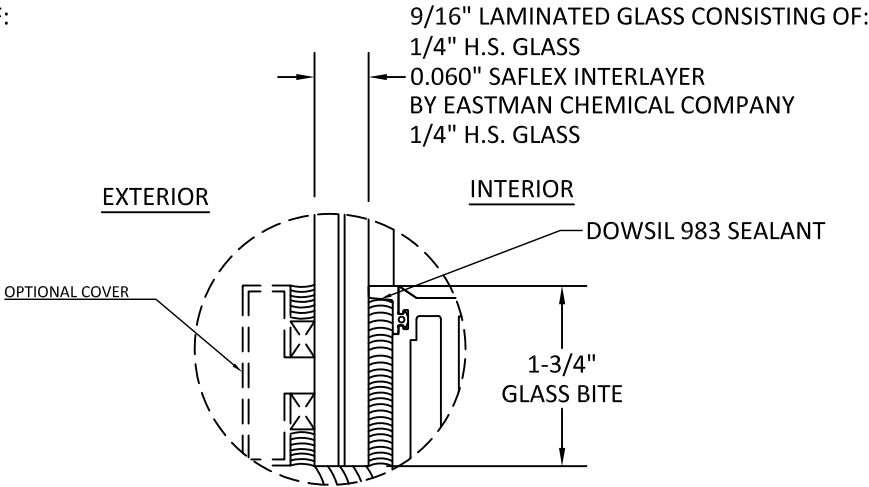
- 1. CHART VALUES PROVIDE MAXIMUM DESIGN PRESSURES ACCORDING TO ASTM E1300 FOR GIVEN GLASS DIMENSIONS 'a' AND 'b' ($a \geq b$), AND CH. 17 OF THE FBC FOR SIZES OTHER THAN TESTED
- 2. DO NOT EXCEED MULLION CAPACITY SELECTED OR ANCHOR CAPACITY IN DESIGN PRESSURE CHARTS



GLAZING DETAIL C



GLAZING DETAIL D

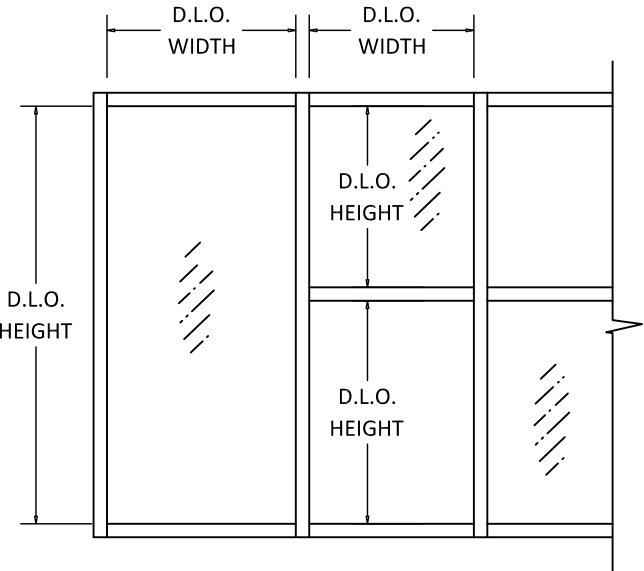
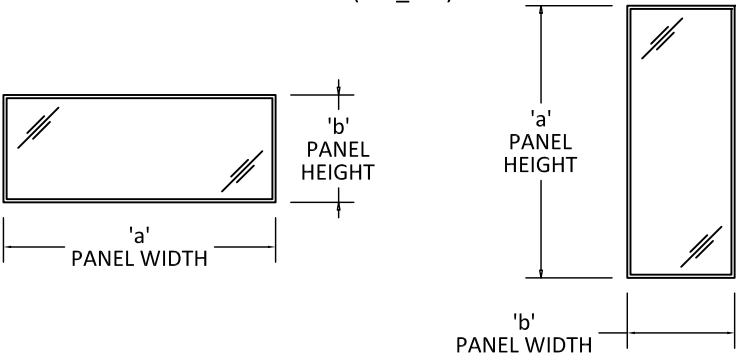


GLAZING DETAIL E

REFER TO SHEET 6.3 FOR LAMINATED, INSULATED GLASS & PANEL SMALL MISSILE IMPACT LOAD TABLE

PANEL DIMENSIONS

($a \geq b$)



GLAZING NOTES:

- 1. GLASS TYPE AND THICKNESS COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. THICKNESS, TEMPER, AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- 2. SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- 3. SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- 4. D.L.O. AND DESIGN PRESSURES MAY NOT EXCEED MAX VALUES IN DESIGN PRESSURE TABLES.



ALUCORP S.A. DE C.V.
CALLE 2 TABLAJE 17439 INT C X 21Y
25 CHICHI SUAREZ, MERIDA
YUCATAN, MEXICO

TITLE: 7000 SERIES ALUMINUM CURTAIN WALL (HVHZ)(IMPACT) GLAZING DETAILS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

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FL# FL47166

DATE: 12.09.24

DWG. BY: DI CHK. BY: HFN

SCALE: NTS

DWG. #: ALP006

SECTION: 6.2

Page 12 of 28

GLASS CAPACITY TABLES

GLASS LOAD CAPACITY (PSF)					
NOMINAL DIMS.		GLASS TYPE 'C & D'		GLASS TYPE 'E'	
D.L.O. WIDTH (in.)	D.L.O. HEIGHT (in.)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
24.00	48.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00
36.00		120.00	120.00	120.00	120.00
42.00		120.00	120.00	120.00	120.00
48.00		112.50	112.50	119.79	119.79
54.00		112.50	112.50	107.81	107.81
57.50		112.50	112.50	102.81	102.81
60.00		112.50	112.50	99.83	99.83
66.00		112.50	112.50	94.12	94.12
72.00		112.50	112.50	89.84	89.84
78.00		112.50	112.50	86.52	86.52
84.00		112.50	112.50	83.85	83.85
90.00		112.50	112.50	81.68	81.68
96.00		112.50	112.50	79.86	79.86
102.00		112.50	112.50	78.33	78.33
108.00		112.50	112.50	77.01	77.01
114.00		-	-	75.87	75.87
120.00		-	-	74.87	74.87
126.00		-	-	73.99	73.99
132.00		-	-	73.21	73.21
138.00		-	-	72.51	72.51
140.50		-	-	72.23	72.23
24.00	54.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00
36.00		120.00	120.00	119.79	119.79
42.00		120.00	120.00	112.01	112.01
48.00		112.50	112.50	107.81	107.81
54.00		100.00	100.00	106.48	106.48
57.50		100.00	100.00	100.37	100.37
60.00		100.00	100.00	96.80	96.80
66.00		100.00	100.00	90.10	90.10
72.00		100.00	100.00	85.19	85.19
78.00		100.00	100.00	81.43	81.43
84.00		100.00	100.00	78.46	78.46
90.00		100.00	100.00	76.06	76.06
96.00		100.00	100.00	74.07	74.07
102.00		-	-	72.41	72.41
108.00		-	-	70.99	70.99
114.00		-	-	69.76	69.76
120.00		-	-	68.70	68.70
126.00		-	-	67.76	67.76
132.00		-	-	66.93	66.93
138.00		-	-	66.19	66.19
140.50		-	-	65.91	65.91
24.00	57.50	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00
36.00		120.00	120.00	116.25	116.25
42.00		120.00	120.00	107.84	107.84
48.00		112.50	112.50	102.81	102.81
54.00		100.00	100.00	100.37	100.37
57.50		93.91	93.91	100.00	100.00
60.00		93.91	93.91	96.00	96.00
66.00		93.91	93.91	88.59	88.59
72.00		93.91	93.91	83.24	83.24
78.00		93.91	93.91	79.19	79.19
84.00		93.91	93.91	76.02	76.02
90.00		93.91	93.91	73.47	73.47
96.00		-	-	71.38	71.38
102.00		-	-	69.62	69.62
108.00		-	-	68.14	68.14
114.00		-	-	66.86	66.86
120.00		-	-	65.75	65.75
126.00		-	-	64.78	64.78
132.00		-	-	63.92	63.92
138.00		-	-	63.16	63.16
140.50		-	-	62.86	62.86

GLASS LOAD CAPACITY (PSF)					
NOMINAL DIMS.		GLASS TYPE 'C & D'		GLASS TYPE 'E'	
D.L.O. WIDTH (in.)	D.L.O. HEIGHT (in.)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
24.00	60.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00
36.00		120.00	120.00	114.09	114.09
42.00		120.00	120.00	105.31	105.31
48.00		112.50	112.50	99.83	99.83
54.00		100.00	100.00	96.80	96.80
57.50		93.91	93.91	96.00	96.00
60.00		90.00	90.00	95.83	95.83
66.00		90.00	90.00	87.85	87.85
72.00		90.00	90.00	82.14	82.14
78.00		90.00	90.00	77.86	77.86
84.00		90.00	90.00	74.54	74.54
90.00		-	-	71.88	71.88
96.00		-	-	69.70	69.70
102.00		-	-	67.88	67.88
108.00		-	-	66.35	66.35
114.00		-	-	65.03	65.03
120.00		-	-	63.89	63.89
126.00		-	-	62.89	62.89
132.00		-	-	62.01	62.01
24.00	66.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00
36.00		120.00	120.00	109.81	109.81
42.00		120.00	120.00	100.40	100.40
48.00		112.50	112.50	94.12	94.12
54.00		100.00	100.00	90.10	90.10
57.50		93.91	93.91	88.59	88.59
60.00		90.00	90.00	87.85	87.85
66.00		81.82	81.82	87.12	87.12
72.00		81.82	81.82	80.42	80.42
78.00		81.82	81.82	75.51	75.51
84.00		-	-	71.75	71.75
90.00		-	-	68.78	68.78
96.00		-	-	66.38	66.38
102.00		-	-	64.39	64.39
108.00		-	-	62.73	62.73
114.00		-	-	61.31	61.31
120.00		-	-	60.08	60.08
24.00	72.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00
36.00		120.00	120.00	106.48	106.48
42.00		120.00	120.00	96.64	96.64
48.00		112.50	112.50	89.84	89.84
54.00		100.00	100.00	85.19	85.19
57.50		93.91	93.91	83.24	83.24
60.00		90.00	90.00	82.14	82.14
66.00		81.82	81.82	80.42	80.42
72.00		75.00	75.00	79.86	79.86
78.00		-	-	74.16	74.16
84.00		-	-	69.88	69.88
90.00		-	-	66.55	66.55
96.00		-	-	63.89	63.89
102.00		-	-	61.71	61.71
108.00		-	-	59.90	59.90

GLASS LOAD CAPACITY (PSF)					
NOMINAL DIMS.		GLASS TYPE 'C & D'		GLASS TYPE 'E'	
D.L.O. WIDTH (in.)	D.L.O. HEIGHT (in.)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
24.00	78.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	118.65	118.65
36.00		120.00	120.00	103.82	103.82
42.00		120.00	120.00	93.67	93.67
48.00		112.50	112.50	86.52	86.52
54.00		100.00	100.00	81.43	81.43
57.50		93.91	93.91	79.19	79.19
60.00		90.00	90.00	77.86	77.86
66.00		81.82	81.82	75.51	75.51
72.00		-	-	74.16	74.16
78.00		-	-	73.72	73.72
84.00		-	-	68.80	68.80
90.00		-	-	65.05	65.05
96.00		-	-	62.08	62.08
102.00		-	-	59.68	59.68
24.00	84.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	116.67	116.67
36.00		120.00	120.00	101.64	101.64
42.00		120.00	120.00	91.27	91.27
48.00		112.50	112.50	83.85	83.85
54.00		100.00	100.00	78.46	78.46
57.50		93.91	93.91	76.02	76.02
60.00		90.00	90.00	74.54	74.54
66.00		-	-	71.75	71.75
72.00		-	-	69.88	69.88
78.00		-	-	68.80	68.80
84.00		-	-	68.45	68.45
90.00		-	-	64.17	64.17
96.00		-	-	60.85	60.85
24.00	90.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	115.00	115.00
36.00		120.00	120.00	99.83	99.83
42.00		120.00	120.00	89.29	89.29
48.00		112.50	112.50	81.68	81.68
54.00		100.00	100.00	76.06	76.06
57.50		93.91	93.91	73.47	73.47
60.00		-	-	71.88	71.88
66.00		-	-	68.78	68.78
72.00		-	-	66.55	66.55
78.00		-	-	65.05	65.05
84.00		-	-	64.17	64.17
24.00	96.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	113.58	113.58
36.00		120.00	120.00	98.29	98.29
42.00		120.00	120.00	87.62	87.62
48.00		112.50	112.50	79.86	79.86
54.00		100.00	100.00	74.07	74.07
57.50		-	-	71.38	71.38
60.00		-	-	69.70	69.70
66.00		-	-	66.38	66.38
72.00		-	-	63.89	63.89
78.00		-	-	62.08	62.08
84.00		-	-	60.85	60.85

GLASS LOAD CAPACITY (PSF)					
NOMINAL DIMS.		GLASS TYPE 'C & D'		GLASS TYPE 'E'	
D.L.O. WIDTH (in.)	D.L.O. HEIGHT (in.)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
24.00	102.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	112.36	112.36
36.00		120.00	120.00	96.97	96.97
42.00		120.00	120.00	86.20	86.20
48.00		112.50	112.50	78.33	78.33
54.00		-	-	72.41	72.41
57.50		-	-	69.62	69.62
60.00		-	-	67.88	67.88
66.00		-	-	64.39	64.39
72.00		-	-	61.71	61.71
78.00	-	-	59.68	59.68	
24.00	108.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	111.29	111.29
36.00		120.00	120.00	95.83	95.83
42.00		120.00	120.00	84.98	84.98
48.00		112.50	112.50	77.01	77.01
54.00		-	-	70.99	70.99
57.50		-	-	68.14	68.14
60.00		-	-	66.35	66.35
66.00		-	-	62.73	62.73
72.00		-	-	59.90	59.90
24.00	114.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	110.35	110.35
36.00		120.00	120.00	94.84	94.84
42.00		120.00	120.00	83.91	83.91
48.00		-	-	75.87	75.87
54.00		-	-	69.76	69.76
57.50		-	-	66.86	66.86
60.00		-	-	65.03	65.03
66.00	-	-	61.31	61.31	
24.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	109.52	109.52
36.00		120.00	120.00	93.95	93.95
42.00		120.00	120.00	82.97	82.97
48.00		-	-	74.87	74.87
54.00		-	-	68.70	68.70
57.50		-	-	65.75	65.75
60.00		-	-	63.89	63.89
66.00	-	-	60.08	60.08	
24.00	126.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	108.78	108.78
36.00		120.00	120.00	93.17	93.17
42.00		-	-	82.14	82.14
48.00		-	-	73.99	73.99
54.00		-	-	67.76	67.76
57.50		-	-	64.78	64.78
60.00		-	-	62.89	62.89
24.00	132.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	108.12	108.12
36.00		120.00	120.00	92.47	92.47
42.00		-	-	81.40	81.40
48.00		-	-	73.21	73.21
54.00		-	-	66.93	66.93
57.50		-	-	63.92	63.92
60.00		-	-	62.01	62.01
24.00	138.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	107.52	107.52
36.00		120.00	120.00	91.84	91.84
42.00		-	-	80.74	80.74
48.00		-	-	72.51	72.51
54.00		-	-	66.19	66.19
57.50		-	-	63.16	63.16
60.00		-	-	60.00	60.00
24.00	140.50	120.00	120.00	107.29	107.29
30.00		120.00	120.00	91.60	91.60
36.00		-	-	80.48	80.48
42.00		-	-	72.23	72.23
48.00		-	-	65.91	65.91
54.00		-	-	62.86	62.86

CASE 1: MULTIPLE SPAN WITH (2) 24" ALUMINUM SLEEVE BARS CENTERED ON SPLICE

CASE 2: SINGLE SPAN WITH NO REINFORCEMENTS

CASE 3: SINGLE SPAN WITH (2) FULL LENGTH STEEL REINFORCEMENTS

MULLION LOAD CAPACITY (+/- PSF)		
NOMINAL DIMS.		MULLION - 'M1' & 'M2'
		CASE 1, 2 & 3
WIDTH (W)	SPAN HEIGHT (H)	EXT. (+) INT. (-)
24.00	48.00	120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		120.00
60.00		120.00
66.00		120.00
72.00		120.00
78.00		120.00
84.00		120.00
90.00	54.00	120.00
96.00		120.00
24.00		120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		120.00
60.00		120.00
66.00		120.00
72.00	60.00	120.00
78.00		120.00
84.00		120.00
90.00		120.00
96.00		120.00
24.00		120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00	66.00	120.00
60.00		120.00
66.00		120.00
72.00		120.00
78.00		120.00
84.00		120.00
90.00		120.00
96.00		120.00
24.00		120.00
30.00	72.00	120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		120.00
60.00		120.00
66.00		120.00
72.00		120.00
78.00		120.00
84.00		120.00

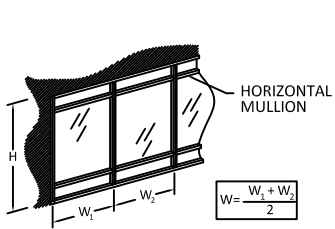
MULLION LOAD CAPACITY (+/- PSF)		
NOMINAL DIMS.		MULLION - 'M1' & 'M2'
		CASE 1, 2 & 3
WIDTH (W)	SPAN HEIGHT (H)	EXT. (+) INT. (-)
24.00	78.00	120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		120.00
60.00		120.00
66.00		120.00
72.00		120.00
78.00		120.00
84.00	84.00	120.00
90.00		120.00
96.00		115.38
24.00		120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		120.00
60.00		120.00
66.00	90.00	120.00
72.00		120.00
78.00		120.00
84.00		120.00
90.00		114.29
96.00		107.14
24.00		120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00	96.00	120.00
54.00		120.00
60.00		120.00
66.00		120.00
72.00		120.00
78.00		120.00
84.00		114.29
90.00		106.67
96.00		100.00
24.00		120.00
30.00	102.00	120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		120.00
60.00		120.00
66.00		120.00
72.00		120.00
78.00		117.65
84.00		108.60

MULLION LOAD CAPACITY (+/- PSF)		
NOMINAL DIMS.		MULLION - 'M1' & 'M2'
		CASE 1, 2 & 3
WIDTH (W)	SPAN HEIGHT (H)	EXT. (+) INT. (-)
24.00	108.00	120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		120.00
60.00		120.00
66.00		120.00
72.00		111.11
78.00		102.56
84.00	114.00	120.00
90.00		120.00
96.00		120.00
24.00		120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		120.00
60.00		120.00
66.00	120.00	114.83
72.00		105.26
78.00		120.00
84.00		120.00
90.00		120.00
96.00		120.00
24.00		120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00	126.00	109.09
54.00		100.00
60.00		120.00
66.00		120.00
72.00		120.00
78.00		120.00
84.00		120.00
90.00		114.29
96.00		103.90
24.00		120.00
30.00	132.00	120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		120.00
60.00		120.00
66.00		109.09
72.00		120.00
78.00		120.00
84.00		120.00
90.00	138.00	109.09
96.00		104.35
24.00		120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		120.00
60.00		120.00
66.00		120.00
72.00	144.00	111.11
78.00		100.00
84.00		100.00

MULLION CAPACITY CHARTS

NOTES:

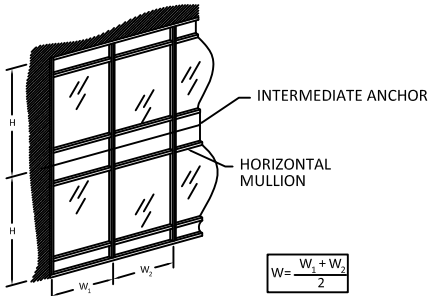
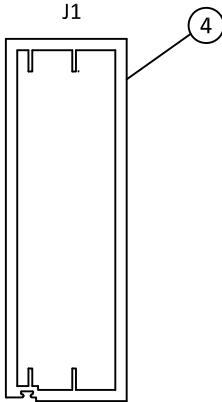
- DESIGN PRESSURES ARE LIMITED BY THE MULLION FIBERSTRESS AND DEFLECTION CAPACITY PER CURRENT FBC SPECIFICATIONS
- SELECT DESIGN PRESSURE AND PANEL WIDTH (W) AND OBTAIN THE MAXIMUM ALLOWABLE DESIGN PRESSURE FOR MULLION.
- FOR HORIZONTAL MULLIONS CAPACITY, SEE HORIZONTAL MULLION CHART.
- WHEN PANEL WIDTHS ARE NOT EQUAL, USE THE AVERAGE WIDTH FROM THE CHART.



SINGLE SPAN

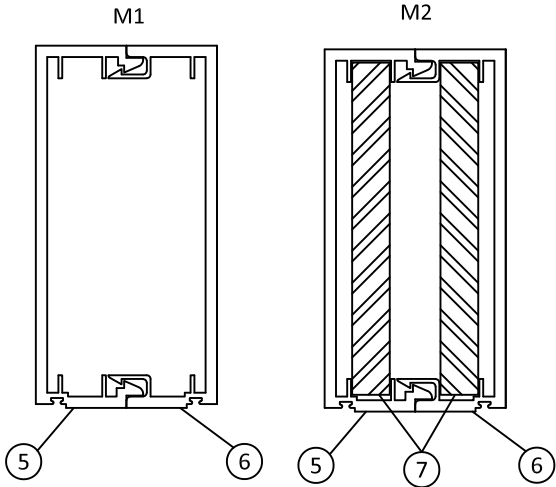
REFER TO SECTION 7.0 FOR JAMB AND MULLION CAPACITY TABLE.

JAMBS

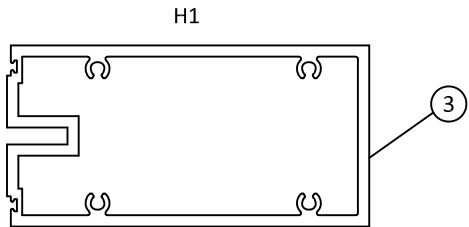


TWIN SPAN

MULLIONS



HORIZONTAL MULLION



ALUCORP S.A. DE C.V.
CALLE 2 TABLAJE 17439 INT C X 21Y
25 CHICHI SUAREZ, MERIDA
YUCATAN, MEXICO

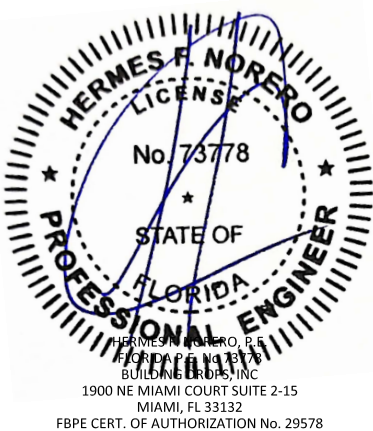
TITLE: 7000 SERIES ALUMINUM CURTAIN WALL (HVHZ)(IMPACT) MULLION DETAILS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HERE IN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL#	FL47166
DATE:	12.09.24
DWG. BY:	DI
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ALP006
SECTION:	7.0

DOOR MULLION CAPACITY TABLES



ALUCORP S.A. DE C.V.
CALLE 2 TABLAJE 17439 INT C X 21Y
25 CHICHI SUAREZ, MERIDA
YUCATAN, MEXICO

TITLE: 7000 SERIES ALUMINUM
CURTAIN WALL
(HVHZ)(IMPACT)
MULLION DETAILS

PREPARED BY:
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REMARKS	BY	DATE

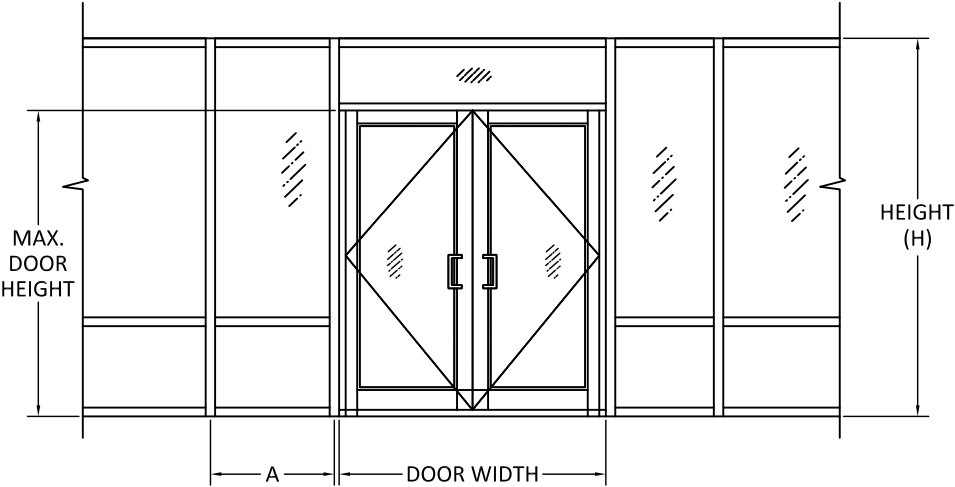
THE INSTALLATION DETAILS DESCRIBED HERE IN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL#	FL47166	
DATE:	12.09.24	
DWG. BY:	DI	CHK. BY: HFN
SCALE:	NTS	
DWG. #:	ALP006	
SECTION:	7.1	

DOOR MULLION LOAD CAPACITY (+/- PSF)		
NOMINAL DIMS.		CASE 3 MULLION - 'M3'
WIDTH (W)	SPAN HEIGHT (H)	EXT. (+) INT. (-)
36.00	84.00	120.00
42.00		120.00
49.75		120.00
54.00		120.00
60.00		120.00
66.00		120.00
73.75		120.00
78.00		120.00
84.00	90.00	120.00
36.00		120.00
42.00		120.00
49.75		120.00
54.00		120.00
60.00		120.00
66.00		120.00
73.75		120.00
78.00	96.00	120.00
84.00		117.06
36.00		120.00
42.00		120.00
49.75		120.00
54.00		120.00
60.00		120.00
66.00		120.00
73.75	102.00	120.00
78.00		118.19
84.00		109.75
36.00		120.00
42.00		120.00
49.75		120.00
54.00		120.00
60.00		120.00
66.00	108.00	120.00
73.75		117.65
78.00		111.24
84.00		103.29
36.00		120.00
42.00		120.00
49.75		120.00
54.00		120.00
60.00		120.00
66.00		120.00
73.75		111.11
78.00		105.06

DOOR MULLION LOAD CAPACITY (+/- PSF)		
NOMINAL DIMS.		CASE 3 MULLION - 'M3'
WIDTH (W)	SPAN HEIGHT (H)	EXT. (+) INT. (-)
36.00	114.00	120.00
42.00		120.00
49.75		120.00
54.00		120.00
60.00		120.00
66.00		117.62
73.75		105.26
36.00	120.00	120.00
42.00		120.00
49.75		120.00
54.00		120.00
60.00		120.00
66.00		111.74
73.75		100.00
36.00	126.00	120.00
42.00		120.00
49.75		120.00
54.00		120.00
60.00		111.49
66.00		101.35
36.00	132.00	120.00
42.00		120.00
49.75		120.00
54.00		112.87
60.00		101.58
66.00		92.35
36.00	138.00	120.00
42.00		120.00
49.75		112.09
54.00		103.27
60.00		92.94
36.00	144.00	120.00
42.00		120.00
49.75		102.95
54.00		94.84
60.00		85.36



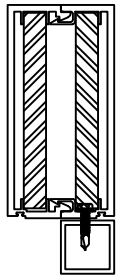
CASE 3: SINGLE SPAN WITH FULL LENGTH STEEL REINFORCEMENTS

MAX. DOOR OPENING WIDTH (IN.)	MAX. DOOR OPENING HEIGHT (IN.)	A (IN.)	DP (+/- PSF)
48.00	120.25	48.00	120
42.00	120.25	54.00	120
36.00	120.25	60.00	120
96.00	96.25	48.00	120
84.00	96.25	60.00	120
72.00	96.25	72.00	120

- NOTE:
- FOR DOOR HEIGHTS LESS THAN OR EQUAL TO 120" IN. USE ABOVE TABLE.
 - DOORS SHALL BE UNDER SEPARATE APPROVAL.

MULLION SPACING OR BAY WIDTH, 'W' $*W = \frac{A + \text{DOOR WIDTH}}{2}$

M3



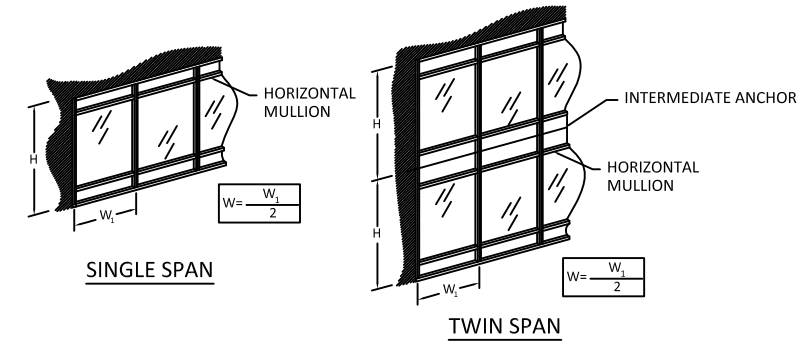
HEAVY
REINFORCED
MULLION

MULLION CAPACITY CHARTS

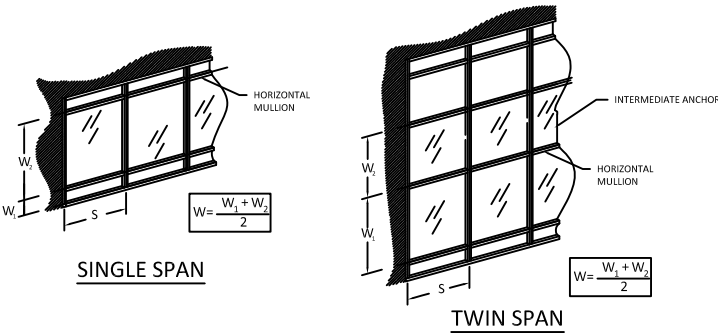
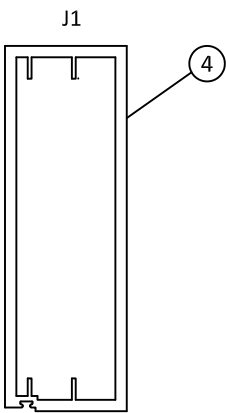
- CASE 1: MULTIPLE SPAN WITH (2) 24" ALUMINUM SLEEVE BARS CENTERED ON SPLICE
- CASE 2: SINGLE SPAN WITH NO REINFORCEMENTS
- CASE 3: SINGLE SPAN WITH (2) FULL LENGTH STEEL REINFORCEMENTS

JAMB LOAD CAPACITY (+/- PSF)		
NOMINAL DIMS.		MULLION - 'J1'
		CASE 1 & 2
WIDTH (W)	SPAN HEIGHT (H)	EXT. (+) INT. (-)
24.00	48.00	120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		120.00
60.00		120.00
66.00		120.00
72.00		120.00
78.00		115.38
84.00		107.14
90.00		100.00
24.00	54.00	120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		120.00
60.00		120.00
66.00		120.00
72.00		111.11
78.00		102.56
24.00	60.00	120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		120.00
60.00		120.00
66.00		109.09
72.00		100.00
24.00	66.00	120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		120.00
60.00		109.09

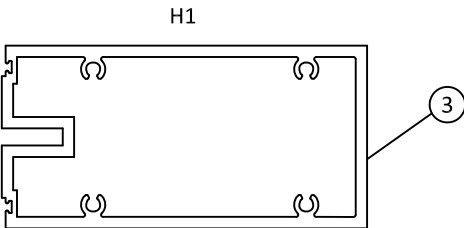
JAMB LOAD CAPACITY (+/- PSF)		
NOMINAL DIMS.		MULLION - 'J1'
		CASE 1 & 2
WIDTH (W)	SPAN HEIGHT (H)	EXT. (+) INT. (-)
24.00	72.00	120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		111.11
60.00		100.00
24.00	78.00	120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		115.38
54.00		102.56
24.00	84.00	120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		107.14
54.00		100.00
24.00	90.00	120.00
30.00		120.00
36.00		120.00
42.00		114.29
48.00		100.00
54.00		100.00
24.00	96.00	120.00
30.00		120.00
36.00		120.00
42.00		107.14
48.00		120.00
54.00		120.00
24.00	102.00	120.00
30.00		120.00
36.00		117.65
42.00		100.84
48.00		120.00
54.00		120.00
24.00	108.00	120.00
30.00		120.00
36.00		111.11
42.00		120.00
48.00		105.26
54.00		120.00
24.00	114.00	120.00
30.00		120.00
36.00		100.00
42.00		120.00
48.00		114.29
54.00		120.00
24.00	120.00	120.00
30.00		120.00
36.00		100.00
42.00		120.00
48.00		114.29
54.00		120.00
24.00	126.00	120.00
30.00		120.00
36.00		100.00
42.00		120.00
48.00		114.29
54.00		120.00
24.00	132.00	120.00
30.00		120.00
36.00		100.00
42.00		120.00
48.00		114.29
54.00		120.00
24.00	138.00	120.00
30.00		120.00
36.00		100.00
42.00		120.00
48.00		114.29
54.00		120.00
24.00	144.00	120.00
30.00		120.00
36.00		100.00
42.00		120.00
48.00		114.29
54.00		120.00



JAMBS



HORIZONTAL MULLION



MULLION LOAD CAPACITY (+/- PSF)		
NOMINAL DIMS.		MULLION - 'H1'
		CASE 2
WIDTH (W)	SPAN (S)	EXT. (+) INT. (-)
24.00	24.00	120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		120.00
60.00		120.00
66.00		120.00
72.00		120.00
78.00		120.00
84.00		120.00
90.00		120.00
96.00		120.00
24.00	30.00	120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		120.00
60.00		120.00
66.00		120.00
72.00		120.00
78.00		120.00
84.00		120.00
90.00		120.00
96.00		120.00
24.00	36.00	120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		120.00
60.00		120.00
66.00		120.00
72.00		120.00
78.00		120.00
84.00		114.29
90.00		106.67
96.00		100.00
24.00	42.00	120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		120.00
60.00		120.00
66.00		120.00
72.00		114.29
78.00		105.49
24.00	48.00	120.00
30.00		120.00
36.00		120.00
42.00		120.00
48.00		120.00
54.00		120.00
60.00		120.00
66.00		109.09
72.00		100.00

INTERALUM

ALUCORP S.A. DE C.V.
CALLE 2 TABLAJE 17439 INT C X 21Y
25 CHICHI SUAREZ, MERIDA
YUCATAN, MEXICO

TITLE: 7000 SERIES ALUMINUM CURTAIN WALL (HVHZ)(IMPACT) MULLION DETAILS

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

BUILDING DROPS

REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HERE IN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.

HERMES F. NORERO
LICENSE
No. 73778
STATE OF FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
1900 NE MIAMI COURT SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL# FL47166

DATE: 12.09.24

DWG. BY: DI CHK. BY: HFN

SCALE: NTS

DWG. #: ALP006

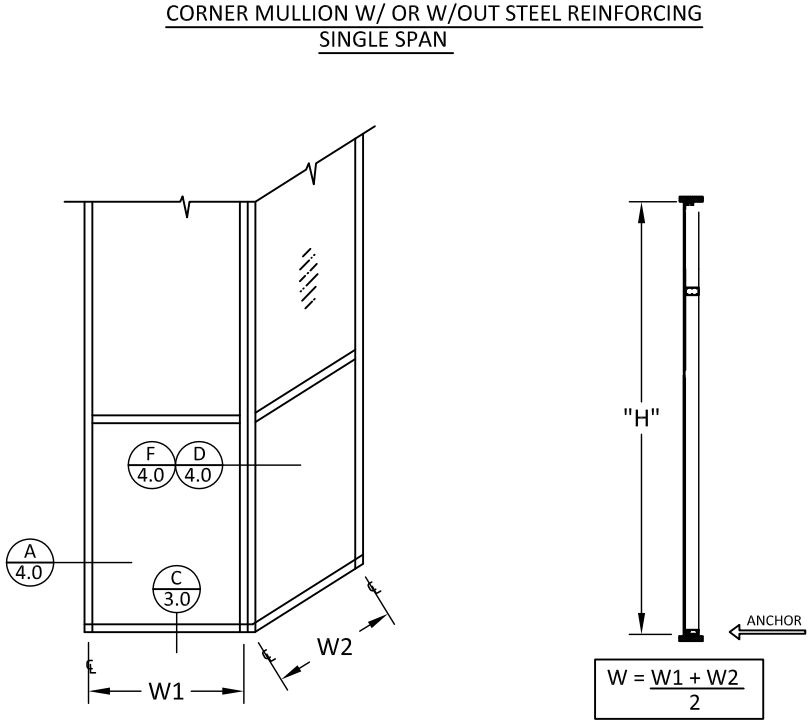
SECTION: 7.2

CORNER MULLION CAPACITY TABLES

CORNER MULLION LOAD CAPACITY (+/- PSF)			
NOMINAL DIMS.		MULLION - 'C1' & 'C2'	MULLION - 'C2'
		CASE 2 & 3	CASE 4
WIDTH (W)	SPAN HEIGHT (H)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
18.00	90.00	120.00	120.00
24.00		120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		120.00	120.00
48.00		120.00	120.00
54.00		118.52	120.00
60.00		106.67	120.00
66.00		-	116.36
18.00	96.00	120.00	120.00
24.00		120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		120.00	120.00
48.00		120.00	120.00
54.00		111.11	120.00
60.00		100.00	120.00
66.00		-	109.09
18.00	102.00	120.00	120.00
24.00		120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		120.00	120.00
48.00		117.65	120.00
54.00		104.58	120.00
60.00		-	112.94
66.00		-	102.67

CORNER MULLION LOAD CAPACITY (+/- PSF)			
NOMINAL DIMS.		MULLION - 'C1' & 'C2'	MULLION - 'C2'
		CASE 2 & 3	CASE 4
WIDTH (W)	SPAN HEIGHT (H)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
18.00	108.00	120.00	120.00
24.00		120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		120.00	120.00
48.00		111.11	120.00
54.00		-	118.52
60.00		-	106.67
18.00	114.00	120.00	120.00
24.00		120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		120.00	120.00
48.00		105.26	120.00
54.00		-	112.28
60.00		-	101.05
18.00	120.00	120.00	120.00
24.00		120.00	120.00
30.00		120.00	120.00
36.00		120.00	120.00
42.00		114.29	120.00
48.00		100.00	120.00
54.00		-	106.67

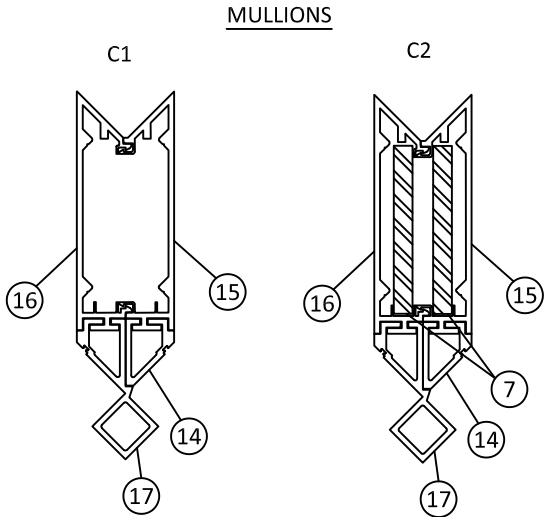
CORNER MULLION LOAD CAPACITY (+/- PSF)			
NOMINAL DIMS.		MULLION - 'C1' & 'C2'	MULLION - 'C2'
		CASE 2 & 3	CASE 4
WIDTH (W)	SPAN HEIGHT (H)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
18.00	126.00	-	120.00
24.00		-	120.00
30.00		-	120.00
36.00		-	120.00
42.00		-	120.00
48.00		-	114.29
54.00		-	101.59
60.00		-	101.59
18.00	132.00	-	120.00
24.00		-	120.00
30.00		-	120.00
36.00		-	120.00
42.00		-	120.00
48.00		-	109.09
54.00		-	109.09
60.00		-	109.09
18.00	138.00	-	120.00
24.00		-	120.00
30.00		-	120.00
36.00		-	120.00
42.00		-	119.25
48.00		-	104.35
54.00		-	104.35
60.00		-	104.35
18.00	144.00	-	120.00
24.00		-	120.00
30.00		-	120.00
36.00		-	120.00
42.00		-	114.29
48.00		-	100.00
54.00		-	100.00
60.00		-	100.00



CASE 2: SINGLE SPAN WITH NO REINFORCEMENTS

CASE 3: SINGLE SPAN WITH (2) FULL LENGTH STEEL REINFORCEMENTS

CASE 4: SINGLE SPAN WITH (2) FULL LENGTH STEEL REINFORCEMENTS FOR SMALL MISSILE IMPACT ZONES ONLY




INTERALUM

ALUCORP S.A. DE C.V.
CALLE 2 TABLAJE 17439 INT C X 21Y
25 CHICHI SUAREZ, MERIDA
YUCATAN, MEXICO

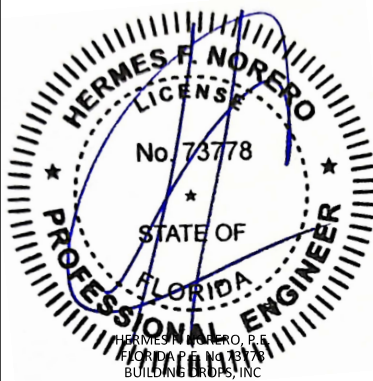
TITLE: 7000 SERIES ALUMINUM CURTAIN WALL (HVHZ)(IMPACT) MULLION DETAILS

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REMARKS	BY	DATE

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HERMES F. NORERO, P.E.
1900 NE MIAMI COURT SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL# FL47166

DATE: 12.09.24

DWG. BY: DI CHK. BY: HFN

SCALE: NTS

DWG. #: ALP006

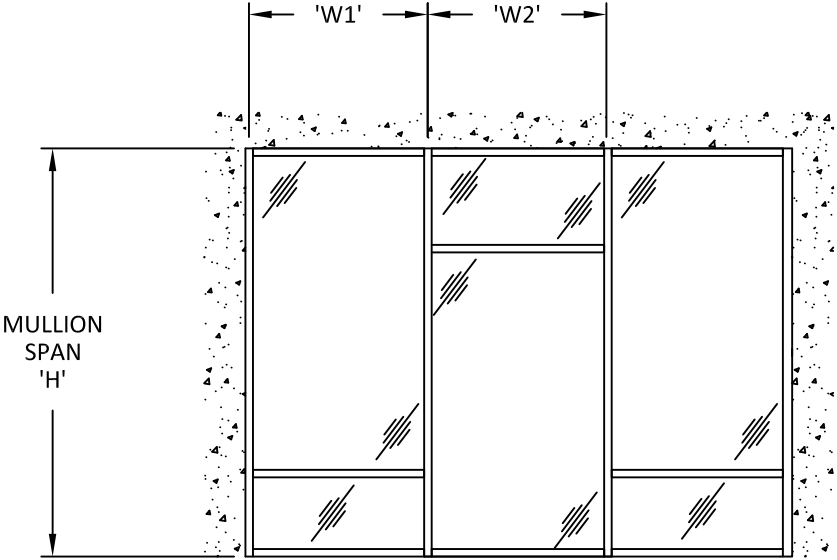
SECTION: 7.3

Page 17 of 28

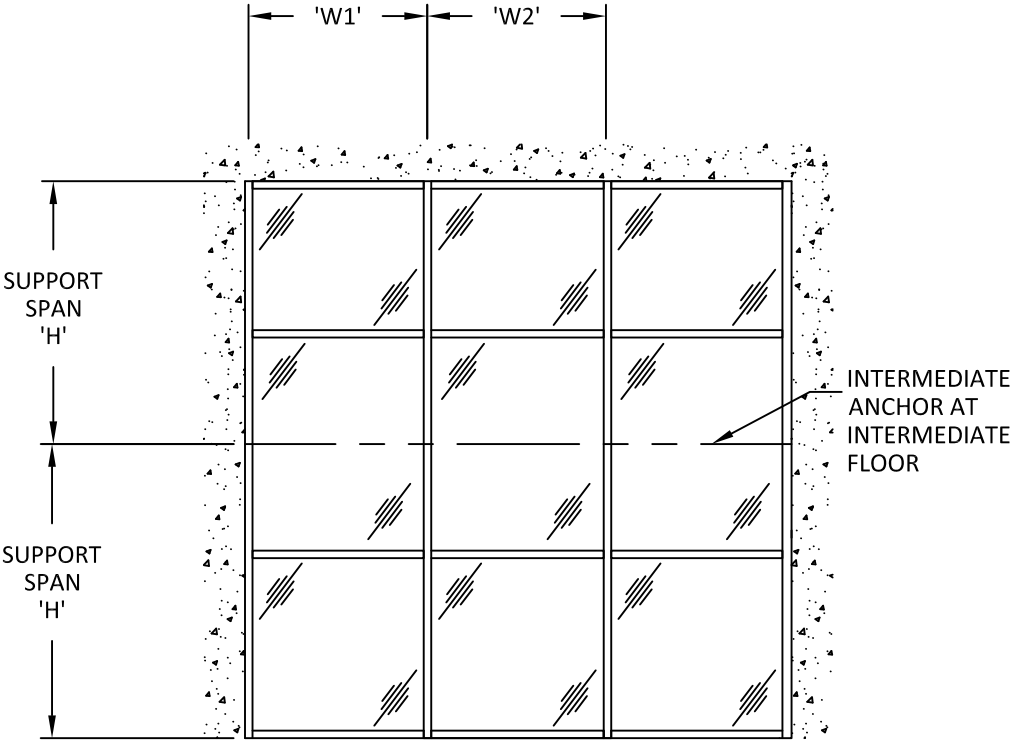
ANCHOR TYPES

TYPE	DIAMETER	ANCHOR TYPE	SUBSTRATE	MINIMUM EDGE DISTANCE	MINIMUM EMBEDMENT
A	5/16"	5/16" DEWALT ULTRACON	WOOD (MIN. SG=0.55)	1-9/16"	1.5"
B	1/4"	1/4" ITW TAPCON	MIN. 3000 PSI CONCRETE 'CRACKED OR UNCRAKED'	3"	1.75"
B	5/16"	5/16" DEWALT ULTRACON	MIN. 3000 PSI CONCRETE 'CRACKED OR UNCRAKED'	3-1/8"	2"
C	5/16"	5/16-24 DEWALT DRILLFLEX	1/8" ALUMINUM (6063-T5 MIN.) OR 1/8" STEEL (A36 MIN.)	3/4"	3 PITCHES PASSED THE THREAD PLANE

MULLION SPACING OR BAY WIDTH, 'W'	$W = \frac{W1 + W2}{2}$
JAMB SPACING OR BAY WIDTH, 'W'	$W = W1$

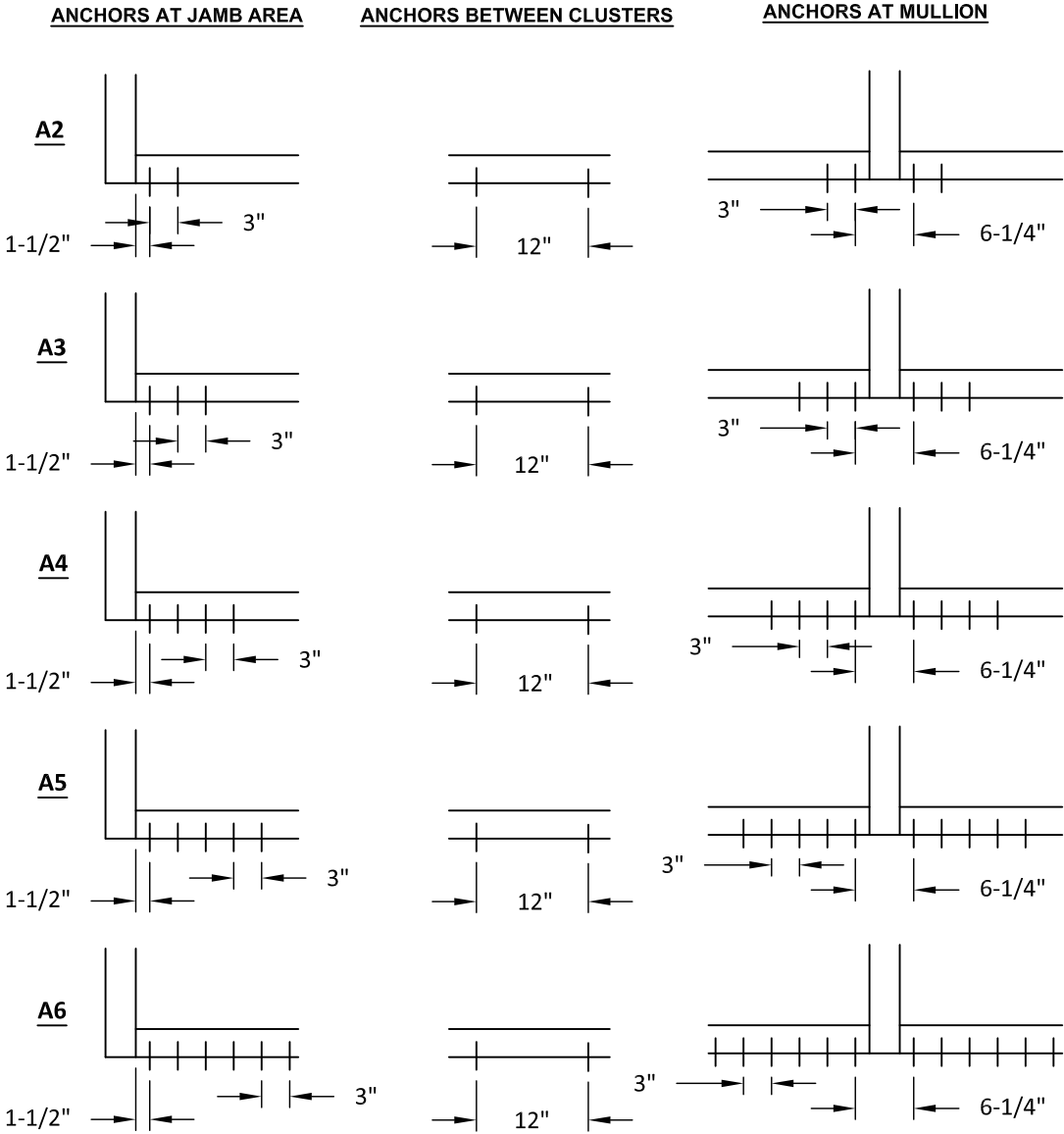


SINGLE SPAN ANCHOR LAYOUT



TWIN SPAN ANCHOR LAYOUT - TYP.

- NOTE:
1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 2. REFER TO ELEVATIONS AT RIGHT FOR LOCATIONS AND DETERMINING MAX. LENGTHS (L) AND TRIBUTARY WIDTHS (W).
 3. FOR SITE CONDITIONS NOT SHOWN IN THE DETAILS HEREIN OR EDGE DISTANCE REQUIREMENTS TO BE MODIFIED, ANCHORS MAY BE ENGINEERED ON A SITE SPECIFIC BASIS.
 4. REFER TO SECTION 5 FOR INTERMEDIATE ANCHOR CONFIGURATIONS.
 5. REFER TO SECTION 8 FOR ANCHOR TYPE CAPACITIES.



NOTE: SAME PATTERN OCCURS AT HEAD



ALUCORP S.A. DE C.V.
CALLE 2 TABLAJE 17439 INT C X 21Y
25 CHICHI SUAREZ, MERIDA
YUCATAN, MEXICO

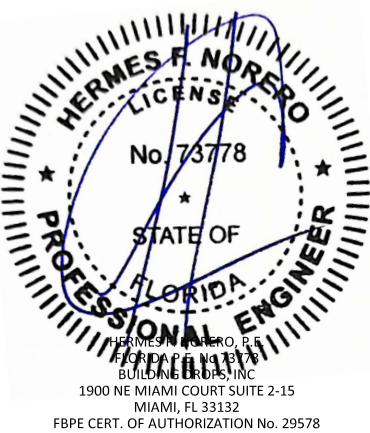
TITLE: 7000 SERIES ALUMINUM
CURTAIN WALL
(HVHZ)(IMPACT)
ANCHOR DETAILS

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REMARKS	BY	DATE

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FL#	FL47166
DATE:	12.09.24
DWG. BY:	DI
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ALP006
SECTION:	8.0

SINGLE SPAN ANCHOR CAPACITY TABLES

MAX. ANCHOR CAPACITY FOR SINGLE SPAN - DESIGN PRESSURES (+/- PSF)																					
MAX. AVG. WIDTH 'W' (in.)	MAX. SPAN 'H' (in.)	A2	A3	A4	A5	A6	B2	B3	B4	B5	B6	C2	C3	C4	C5	C6	D2	D3	D4	D5	D6
24.00	48.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
36.00		120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
42.00		120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
48.00		120.00	120.00	120.00	120.00	120.00	105.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
54.00		120.00	120.00	120.00	120.00	120.00	93.33	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
60.00		120.00	120.00	120.00	120.00	120.00	84.00	117.60	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
66.00		120.00	120.00	120.00	120.00	120.00	76.36	106.91	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
72.00		120.00	120.00	120.00	120.00	120.00	70.00	98.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
78.00		120.00	120.00	120.00	120.00	120.00	64.62	90.46	116.31	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	117.81	120.00	120.00	120.00
84.00		113.93	120.00	120.00	120.00	120.00	60.00	84.00	108.00	120.00	120.00	113.93	120.00	120.00	120.00	120.00	120.00	109.39	120.00	120.00	120.00
90.00		106.33	120.00	120.00	120.00	120.00	56.00	78.40	100.80	120.00	120.00	106.33	120.00	120.00	120.00	120.00	120.00	102.10	120.00	120.00	120.00
96.00	99.69	120.00	120.00	120.00	120.00	52.50	73.50	94.50	115.50	115.50	99.69	120.00	120.00	120.00	120.00	120.00	95.72	120.00	120.00	120.00	
24.00	54.00	120.00	120.00	120.00	120.00	120.00	76.36	106.91	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	70.00	98.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
36.00		120.00	120.00	120.00	120.00	120.00	64.62	90.46	116.31	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
42.00		120.00	120.00	120.00	120.00	120.00	60.00	84.00	108.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
48.00		120.00	120.00	120.00	120.00	120.00	56.00	78.40	100.80	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
54.00		120.00	120.00	120.00	120.00	120.00	52.50	73.50	94.50	115.50	115.50	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
60.00		120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
66.00		120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
72.00		118.15	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	118.15	120.00	120.00	120.00	120.00	120.00	113.44	120.00	120.00	120.00
78.00		109.06	120.00	120.00	120.00	120.00	120.00	106.67	120.00	120.00	120.00	109.06	120.00	120.00	120.00	120.00	120.00	104.72	120.00	120.00	120.00
84.00		101.27	120.00	120.00	120.00	120.00	120.00	93.33	120.00	120.00	120.00	101.27	120.00	120.00	120.00	120.00	120.00	97.24	120.00	120.00	120.00
90.00		94.52	120.00	120.00	120.00	120.00	120.00	82.96	116.15	120.00	120.00	94.52	120.00	120.00	120.00	120.00	120.00	90.76	120.00	120.00	120.00
96.00	88.61	120.00	120.00	120.00	120.00	120.00	74.67	104.53	120.00	120.00	88.61	120.00	120.00	120.00	120.00	120.00	85.08	119.12	120.00	120.00	
24.00	60.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
36.00		120.00	120.00	120.00	120.00	120.00	106.67	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
42.00		120.00	120.00	120.00	120.00	120.00	93.33	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
48.00		120.00	120.00	120.00	120.00	120.00	82.96	116.15	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
54.00		120.00	120.00	120.00	120.00	120.00	74.67	104.53	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
60.00		120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
66.00		116.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	116.00	120.00	120.00	120.00	120.00	120.00	111.38	120.00	120.00	120.00
72.00		106.33	120.00	120.00	120.00	120.00	120.00	112.00	120.00	120.00	120.00	106.33	120.00	120.00	120.00	120.00	120.00	102.10	120.00	120.00	120.00
78.00		98.15	120.00	120.00	120.00	120.00	120.00	96.00	120.00	120.00	120.00	98.15	120.00	120.00	120.00	120.00	120.00	94.25	120.00	120.00	120.00
84.00		91.14	120.00	120.00	120.00	120.00	120.00	84.00	117.60	120.00	120.00	91.14	120.00	120.00	120.00	120.00	120.00	87.51	120.00	120.00	120.00
90.00		85.07	119.09	120.00	120.00	120.00	120.00	74.67	104.53	120.00	120.00	85.07	119.09	120.00	120.00	120.00	120.00	81.68	114.35	120.00	120.00
96.00	79.75	111.65	120.00	120.00	120.00	120.00	67.20	94.08	120.00	120.00	79.75	111.65	120.00	120.00	120.00	120.00	76.58	107.21	120.00	120.00	
24.00	66.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	112.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
36.00		120.00	120.00	120.00	120.00	120.00	96.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
42.00		120.00	120.00	120.00	120.00	120.00	84.00	117.60	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
48.00		120.00	120.00	120.00	120.00	120.00	74.67	104.53	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
54.00		120.00	120.00	120.00	120.00	120.00	67.20	94.08	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
60.00		116.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	116.00	120.00	120.00	120.00	120.00	120.00	111.38	120.00	120.00	120.00
66.00		105.45	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	105.45	120.00	120.00	120.00	120.00	120.00	101.26	120.00	120.00	120.00
72.00		96.67	120.00	120.00	120.00	120.00	120.00	101.82	120.00	120.00	120.00	96.67	120.00	120.00	120.00	120.00	120.00	92.82	120.00	120.00	120.00
78.00		89.23	120.00	120.00	120.00	120.00	120.00	87.27	120.00	120.00	120.00	89.23	120.00	120.00	120.00	120.00	120.00	85.68	119.95	120.00	120.00
84.00		82.86	116.00	120.00	120.00	120.00	120.00	76.36	106.91	120.00	120.00	82.86	116.00	120.00	120.00	120.00	120.00	79.56	111.38	120.00	120.00
90.00		77.33	108.27	120.00	120.00	120.00	120.00	67.88	95.03	120.00	120.00	77.33	108.27	120.00	120.00	120.00	120.00	74.25	103.96	120.00	120.00
96.00	72.50	101.50	120.00	120.00	120.00	120.00	61.09	85.53	109.96	120.00	72.50	101.50	120.00	120.00	120.00	120.00	69.61	97.46	120.00	120.00	

NOTE:
A2 REPRESENTS (2) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.
A3 REPRESENTS (3) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.
A4 REPRESENTS (4) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.
A5 REPRESENTS (5) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.
A6 REPRESENTS (6) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.
ALL ANCHORS ARE CALCULATED WITH 3/4" SHIM SPACE



ALUCORP S.A. DE C.V.
CALLE 2 TABLAJE 17439 INT C X 21Y
25 CHICHI SUAREZ, MERIDA
YUCATAN, MEXICO

0000 SERIES ALUMINUM
CURTAIN WALL
(HVHZ)(IMPACT)
ANCHOR DETAILS

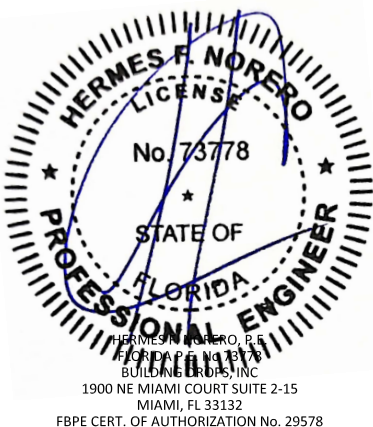
PREPARED BY:

 **BUILDING DROPS**

BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERAL IN NATURE AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL# FL47166

DATE: 12.09.24

DWG. BY: DI	CHK. BY: HFN
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SCALE: NTS

DWG. #: ALP006

SECTION: 8.1

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SINGLE SPAN ANCHOR CAPACITY TABLES

MAX. ANCHOR CAPACITY FOR SINGLE SPAN - DESIGN PRESSURES (+/- PSF)

MAX. AVG. WIDTH 'W' (in.)	MAX. SPAN 'H' (in.)	A2	A3	A4	A5	A6	B2	B3	B4	B5	B6	C2	C3	C4	C5	C6	D2	D3	D4	D5	D6	
24.00	72.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
30.00		120.00	120.00	120.00	120.00	120.00	101.82	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
36.00		120.00	120.00	120.00	120.00	120.00	87.27	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
42.00		120.00	120.00	120.00	120.00	120.00	76.36	106.91	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
48.00		120.00	120.00	120.00	120.00	120.00	67.88	95.03	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
54.00		118.15	120.00	120.00	120.00	120.00	61.09	85.53	109.96	120.00	120.00	120.00	118.15	120.00	120.00	120.00	120.00	113.44	120.00	120.00	120.00	120.00
60.00		106.33	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	106.33	120.00	120.00	120.00	120.00	102.10	120.00	120.00	120.00	120.00
66.00		96.67	120.00	120.00	120.00	120.00	120.00	112.00	120.00	120.00	120.00	120.00	96.67	120.00	120.00	120.00	120.00	92.82	120.00	120.00	120.00	120.00
72.00		88.61	120.00	120.00	120.00	120.00	120.00	93.33	120.00	120.00	120.00	120.00	88.61	120.00	120.00	120.00	120.00	85.08	119.12	120.00	120.00	120.00
78.00		81.79	114.51	120.00	120.00	120.00	120.00	80.00	112.00	120.00	120.00	120.00	81.79	114.51	120.00	120.00	120.00	78.54	109.95	120.00	120.00	120.00
84.00		75.95	106.33	120.00	120.00	120.00	120.00	70.00	98.00	120.00	120.00	120.00	75.95	106.33	120.00	120.00	120.00	72.93	102.10	120.00	120.00	120.00
90.00		70.89	99.24	120.00	120.00	120.00	120.00	62.22	87.11	112.00	120.00	120.00	70.89	99.24	120.00	120.00	120.00	68.07	95.29	120.00	120.00	120.00
96.00		66.46	93.04	119.63	120.00	120.00	120.00	56.00	78.40	100.80	120.00	120.00	66.46	93.04	119.63	120.00	120.00	63.81	89.34	114.86	120.00	120.00
24.00	78.00	120.00	120.00	120.00	120.00	120.00	112.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
30.00		120.00	120.00	120.00	120.00	120.00	93.33	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
36.00		120.00	120.00	120.00	120.00	120.00	80.00	112.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
42.00		120.00	120.00	120.00	120.00	120.00	70.00	98.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
48.00		120.00	120.00	120.00	120.00	120.00	62.22	87.11	112.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	117.81	120.00	120.00	120.00	120.00
54.00		109.06	120.00	120.00	120.00	120.00	56.00	78.40	100.80	120.00	120.00	120.00	109.06	120.00	120.00	120.00	120.00	104.72	120.00	120.00	120.00	120.00
60.00		98.15	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	98.15	120.00	120.00	120.00	120.00	94.25	120.00	120.00	120.00	120.00
66.00		89.23	120.00	120.00	120.00	120.00	120.00	103.38	120.00	120.00	120.00	120.00	89.23	120.00	120.00	120.00	120.00	85.68	119.95	120.00	120.00	120.00
72.00		81.79	114.51	120.00	120.00	120.00	120.00	86.15	120.00	120.00	120.00	120.00	81.79	114.51	120.00	120.00	120.00	78.54	109.95	120.00	120.00	120.00
78.00		75.50	105.70	120.00	120.00	120.00	120.00	73.85	103.38	120.00	120.00	120.00	75.50	105.70	120.00	120.00	120.00	72.50	101.50	120.00	120.00	120.00
84.00		70.11	98.15	120.00	120.00	120.00	120.00	64.62	90.46	116.31	120.00	120.00	70.11	98.15	120.00	120.00	120.00	67.32	94.25	120.00	120.00	120.00
90.00		65.44	91.61	117.78	120.00	120.00	120.00	57.44	80.41	103.38	120.00	120.00	65.44	91.61	117.78	120.00	120.00	62.83	87.96	113.10	120.00	120.00
96.00		61.35	85.88	110.42	120.00	120.00	120.00	51.69	72.37	93.05	113.72	120.00	61.35	85.88	110.42	120.00	120.00	58.90	82.47	106.03	120.00	120.00
24.00	84.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
30.00		120.00	120.00	120.00	120.00	120.00	96.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
36.00		120.00	120.00	120.00	120.00	120.00	80.00	112.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
42.00		120.00	120.00	120.00	120.00	120.00	68.57	96.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	
48.00		113.93	120.00	120.00	120.00	120.00	60.00	84.00	108.00	120.00	120.00	113.93	120.00	120.00	120.00	120.00	120.00	109.39	120.00	120.00	120.00	120.00
54.00		101.27	120.00	120.00	120.00	120.00	53.33	74.67	96.00	117.33	120.00	101.27	120.00	120.00	120.00	120.00	120.00	97.24	120.00	120.00	120.00	120.00
60.00		91.14	120.00	120.00	120.00	120.00	120.00	48.00	67.20	86.40	105.60	120.00	91.14	120.00	120.00	120.00	120.00	87.51	120.00	120.00	120.00	120.00
66.00		82.86	116.00	120.00	120.00	120.00	120.00	43.64	61.09	78.55	96.00	113.45	82.86	116.00	120.00	120.00	120.00	79.56	111.38	120.00	120.00	120.00
72.00		75.95	106.33	120.00	120.00	120.00	120.00	40.00	56.00	72.00	88.00	104.00	75.95	106.33	120.00	120.00	120.00	72.93	102.10	120.00	120.00	120.00
78.00		70.11	98.15	120.00	120.00	120.00	120.00	36.92	51.69	66.46	81.23	96.00	70.11	98.15	120.00	120.00	120.00	67.32	94.25	120.00	120.00	120.00
84.00		65.10	91.14	117.18	120.00	120.00	120.00	34.29	48.00	61.71	75.43	89.14	65.10	91.14	117.18	120.00	120.00	62.51	87.51	112.52	120.00	120.00
90.00		60.76	85.07																			

SINGLE SPAN ANCHOR CAPACITY TABLES

MAX. ANCHOR CAPACITY FOR SINGLE SPAN - DESIGN PRESSURES (+/- PSF)																					
MAX. AVG. WIDTH 'W' (in.)	MAX. SPAN 'H' (in.)	A2	A3	A4	A5	A6	B2	B3	B4	B5	B6	C2	C3	C4	C5	C6	D2	D3	D4	D5	D6
24.00	96.00	120.00	120.00	120.00	120.00	120.00	105.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	84.00	117.60	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
36.00		120.00	120.00	120.00	120.00	120.00	70.00	98.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
42.00		113.93	120.00	120.00	120.00	120.00	60.00	84.00	108.00	120.00	120.00	113.93	120.00	120.00	120.00	120.00	109.39	120.00	120.00	120.00	120.00
48.00		99.69	120.00	120.00	120.00	120.00	52.50	73.50	94.50	115.50	120.00	99.69	120.00	120.00	120.00	120.00	95.72	120.00	120.00	120.00	120.00
54.00		88.61	120.00	120.00	120.00	120.00	46.67	65.33	84.00	102.67	120.00	88.61	120.00	120.00	120.00	120.00	85.08	119.12	120.00	120.00	120.00
60.00		79.75	111.65	120.00	120.00	120.00	42.00	58.80	75.60	92.40	109.20	79.75	111.65	120.00	120.00	120.00	76.58	107.21	120.00	120.00	120.00
66.00		72.50	101.50	120.00	120.00	120.00	38.18	53.45	68.73	84.00	99.27	72.50	101.50	120.00	120.00	120.00	69.61	97.46	120.00	120.00	120.00
72.00		66.46	93.04	119.63	120.00	120.00	35.00	49.00	63.00	77.00	91.00	66.46	93.04	119.63	120.00	120.00	63.81	89.34	114.86	120.00	120.00
78.00		61.35	85.88	110.42	120.00	120.00	32.31	45.23	58.15	71.08	84.00	61.35	85.88	110.42	120.00	120.00	58.90	82.47	106.03	120.00	120.00
84.00		56.96	79.75	102.54	120.00	120.00	30.00	42.00	54.00	66.00	78.00	56.96	79.75	102.54	120.00	120.00	54.70	76.58	98.45	120.00	120.00
90.00		53.17	74.43	95.70	116.97	120.00	28.00	39.20	50.40	61.60	72.80	53.17	74.43	95.70	116.97	120.00	51.05	71.47	91.89	112.31	120.00
24.00	102.00	120.00	120.00	120.00	120.00	120.00	98.82	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	79.06	110.68	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
36.00		120.00	120.00	120.00	120.00	120.00	65.88	92.24	118.59	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
42.00		107.23	120.00	120.00	120.00	120.00	56.47	79.06	101.65	120.00	120.00	107.23	120.00	120.00	120.00	120.00	102.96	120.00	120.00	120.00	120.00
48.00		93.82	120.00	120.00	120.00	120.00	49.41	69.18	88.94	108.71	120.00	93.82	120.00	120.00	120.00	120.00	90.09	120.00	120.00	120.00	120.00
54.00		83.40	116.76	120.00	120.00	120.00	43.92	61.49	79.06	96.63	114.20	83.40	116.76	120.00	120.00	120.00	80.08	112.11	120.00	120.00	120.00
60.00		75.06	105.08	120.00	120.00	120.00	39.53	55.34	71.15	86.96	102.78	75.06	105.08	120.00	120.00	120.00	72.07	100.90	120.00	120.00	120.00
66.00		68.24	95.53	120.00	120.00	120.00	35.94	50.31	64.68	79.06	93.43	68.24	95.53	120.00	120.00	120.00	65.52	91.73	117.93	120.00	120.00
72.00		62.55	87.57	112.59	120.00	120.00	32.94	46.12	59.29	72.47	85.65	62.55	87.57	112.59	120.00	120.00	60.06	84.08	108.11	120.00	120.00
78.00		57.74	80.83	103.93	120.00	120.00	30.41	42.57	54.73	66.90	79.06	57.74	80.83	103.93	120.00	120.00	55.44	77.61	99.79	120.00	120.00
84.00		53.61	75.06	96.50	117.95	120.00	28.24	39.53	50.82	62.12	73.41	53.61	75.06	96.50	117.95	120.00	51.48	72.07	92.66	113.25	120.00
24.00	108.00	120.00	120.00	120.00	120.00	120.00	93.33	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	74.67	104.53	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
36.00		118.15	120.00	120.00	120.00	120.00	62.22	87.11	112.00	120.00	120.00	118.15	120.00	120.00	120.00	120.00	113.44	120.00	120.00	120.00	120.00
42.00		101.27	120.00	120.00	120.00	120.00	53.33	74.67	96.00	117.33	120.00	101.27	120.00	120.00	120.00	120.00	97.24	120.00	120.00	120.00	120.00
48.00		88.61	120.00	120.00	120.00	120.00	46.67	65.33	84.00	102.67	120.00	88.61	120.00	120.00	120.00	120.00	85.08	119.12	120.00	120.00	120.00
54.00		78.77	110.27	120.00	120.00	120.00	41.48	58.07	74.67	91.26	107.85	78.77	110.27	120.00	120.00	120.00	75.63	105.88	120.00	120.00	120.00
60.00		70.89	99.24	120.00	120.00	120.00	37.33	52.27	67.20	82.13	97.07	70.89	99.24	120.00	120.00	120.00	68.07	95.29	120.00	120.00	120.00
66.00		64.44	90.22	116.00	120.00	120.00	33.94	47.52	61.09	74.67	88.24	64.44	90.22	116.00	120.00	120.00	61.88	86.63	111.38	120.00	120.00
72.00		59.07	82.70	106.33	120.00	120.00	31.11	43.56	56.00	68.44	80.89	59.07	82.70	106.33	120.00	120.00	56.72	79.41	102.10	120.00	120.00
78.00		54.53	76.34	98.15	119.97	120.00	28.72	40.21	51.69	63.18	74.67	54.53	76.34	98.15	119.97	120.00	52.36	73.30	94.25	115.19	120.00
24.00	114.00	120.00	120.00	120.00	120.00	120.00	88.42	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	70.74	99.03	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
36.00		111.93	120.00	120.00	120.00	120.00	58.95	82.53	106.11	120.00	120.00	111.93	120.00	120.00	120.00	120.00	107.47	120.00	120.00	120.00	120.00
42.00		95.94	120.00	120.00	120.00	120.00	50.53	70.74	90.95	111.16	120.00	95.94	120.00	120.00	120.00	120.00	92.12	120.00	120.00	120.00	120.00
48.00		83.95	117.53	120.00	120.00	120.00	44.21	61.89	79.58	97.26	114.95	83.95	117.53	120.00	120.00	120.00	80.61	112.85	120.00	120.00	120.00
54.00		74.62	104.47	120.00	120.00	120.00	39.30	55.02	70.74	86.46	102.18	74.62	104.47	120.00	120.00	120.00	71.65	100.31	120.00	120.00	120.00
60.00		67.16	94.02	120.00	120.00	120.00	35.37	49.52	63.66	77.81	91.96	67.16	94.02	120.00	120.00	120.00	64.48	90.28	116.07	120.00	120.00
66.00		61.05	85.47	109.89	120.00	120.00	32.15	45.01	57.88	70.74	83.60	61.05	85.47	109.89	120.00	120.00	58.62	82.07	105.52	120.00	120.00
72.00		55.96	78.35	100.74	120.00	120.00	29.47	41.26	53.05	64.84	76.63	55.96	78.35	100.74	120.00	120.00	53.74	75.23	96.73	118.22	120.00

NOTE:
A2 REPRESENTS (2) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.
A3 REPRESENTS (3) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.
A4 REPRESENTS (4) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.
A5 REPRESENTS (5) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.
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ALL ANCHORS ARE CALCULATED WITH 3/4" SHIM SPACE



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25 CHICHI SUAREZ, MERIDA
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TITLE: 7000 SERIES ALUMINUM
CURTAIN WALL
(HVHZ)(IMPACT)
ANCHOR DETAILS

PREPARED BY:
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1900 NE MIAMI COURT, STE. 2-15
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PH: (954)399-8478
FAX: (954)744-4738
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REMARKS	BY	DATE

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HERMES F. NORERO, P.E.
1900 NE MIAMI COURT SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL#
FL47166

DATE: **12.09.24**

DWG. BY: **DI**CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **ALP006**

SECTION:
8.3
Page 21 of 28

SINGLE SPAN ANCHOR CAPACITY TABLES

MAX. ANCHOR CAPACITY FOR SINGLE SPAN - DESIGN PRESSURES (+/- PSF)																					
MAX. AVG. WIDTH 'W' (in.)	MAX. SPAN 'H' (in.)	A2	A3	A4	A5	A6	B2	B3	B4	B5	B6	C2	C3	C4	C5	C6	D2	D3	D4	D5	D6
24.00	120.00	120.00	120.00	120.00	120.00	120.00	84.00	117.60	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	67.20	94.08	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
36.00		106.33	120.00	120.00	120.00	120.00	56.00	78.40	100.80	120.00	120.00	106.33	120.00	120.00	120.00	120.00	102.10	120.00	120.00	120.00	120.00
42.00		91.14	120.00	120.00	120.00	120.00	48.00	67.20	86.40	105.60	120.00	91.14	120.00	120.00	120.00	120.00	87.51	120.00	120.00	120.00	120.00
48.00		79.75	111.65	120.00	120.00	120.00	42.00	58.80	75.60	92.40	109.20	79.75	111.65	120.00	120.00	120.00	76.58	107.21	120.00	120.00	120.00
54.00		70.89	99.24	120.00	120.00	120.00	37.33	52.27	67.20	82.13	97.07	70.89	99.24	120.00	120.00	120.00	68.07	95.29	120.00	120.00	120.00
60.00		63.80	89.32	114.84	120.00	120.00	33.60	47.04	60.48	73.92	87.36	63.80	89.32	114.84	120.00	120.00	61.26	85.76	110.27	120.00	120.00
66.00		58.00	81.20	104.40	120.00	120.00	30.55	42.76	54.98	67.20	79.42	58.00	81.20	104.40	120.00	120.00	55.69	77.97	100.24	120.00	120.00
72.00		53.17	74.43	95.70	116.97	120.00	28.00	39.20	50.40	61.60	72.80	53.17	74.43	95.70	116.97	120.00	51.05	71.47	91.89	112.31	120.00
24.00	126.00	120.00	120.00	120.00	120.00	120.00	80.00	112.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	64.00	89.60	115.20	120.00	120.00	120.00	120.00	120.00	120.00	120.00	116.69	120.00	120.00	120.00	120.00
36.00		101.27	120.00	120.00	120.00	120.00	53.33	74.67	96.00	117.33	120.00	101.27	120.00	120.00	120.00	120.00	97.24	120.00	120.00	120.00	120.00
42.00		86.80	120.00	120.00	120.00	120.00	45.71	64.00	82.29	100.57	118.86	86.80	120.00	120.00	120.00	120.00	83.35	116.69	120.00	120.00	120.00
48.00		75.95	106.33	120.00	120.00	120.00	40.00	56.00	72.00	88.00	104.00	75.95	106.33	120.00	120.00	120.00	72.93	102.10	120.00	120.00	120.00
54.00		67.51	94.52	120.00	120.00	120.00	35.56	49.78	64.00	78.22	92.44	67.51	94.52	120.00	120.00	120.00	64.83	90.76	116.69	120.00	120.00
60.00		60.76	85.07	109.37	120.00	120.00	32.00	44.80	57.60	70.40	83.20	60.76	85.07	109.37	120.00	120.00	58.34	81.68	105.02	120.00	120.00
66.00		55.24	77.33	99.43	120.00	120.00	29.09	40.73	52.36	64.00	75.64	55.24	77.33	99.43	120.00	120.00	53.04	74.25	95.47	116.69	120.00
72.00		50.31	70.43	91.53	116.97	120.00	26.00	37.20	48.40	59.60	70.80	50.31	70.43	91.53	116.97	120.00	49.23	69.53	89.59	111.31	120.00
24.00	132.00	120.00	120.00	120.00	120.00	120.00	76.36	106.91	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		116.00	120.00	120.00	120.00	120.00	61.09	85.53	109.96	120.00	120.00	116.00	120.00	120.00	120.00	120.00	111.38	120.00	120.00	120.00	120.00
36.00		96.67	120.00	120.00	120.00	120.00	50.91	71.27	91.64	112.00	120.00	96.67	120.00	120.00	120.00	120.00	92.82	120.00	120.00	120.00	120.00
42.00		82.86	116.00	120.00	120.00	120.00	43.64	61.09	78.55	96.00	113.45	82.86	116.00	120.00	120.00	120.00	79.56	111.38	120.00	120.00	120.00
48.00		72.50	101.50	120.00	120.00	120.00	38.18	53.45	68.73	84.00	99.27	72.50	101.50	120.00	120.00	120.00	69.61	97.46	120.00	120.00	120.00
54.00		64.44	90.22	116.00	120.00	120.00	33.94	47.52	61.09	74.67	88.24	64.44	90.22	116.00	120.00	120.00	61.88	86.63	111.38	120.00	120.00
60.00		58.00	81.20	104.40	120.00	120.00	30.55	42.76	54.98	67.20	79.42	58.00	81.20	104.40	120.00	120.00	55.69	77.97	100.24	120.00	120.00
66.00		53.17	74.43	95.70	116.97	120.00	28.00	39.20	50.40	61.60	72.80	53.17	74.43	95.70	116.97	120.00	51.05	71.47	91.89	112.31	120.00
72.00		48.24	69.36	89.52	112.16	120.00	25.00	36.00	47.00	58.00	69.00	48.24	69.36	89.52	112.16	120.00	46.04	66.06	86.12	106.41	120.00
24.00	138.00	120.00	120.00	120.00	120.00	120.00	73.04	102.26	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		110.96	120.00	120.00	120.00	120.00	58.43	81.81	105.18	120.00	120.00	110.96	120.00	120.00	120.00	120.00	106.54	120.00	120.00	120.00	120.00
36.00		92.46	120.00	120.00	120.00	120.00	48.70	68.17	87.65	107.13	120.00	92.46	120.00	120.00	120.00	120.00	88.78	120.00	120.00	120.00	120.00
42.00		79.25	110.96	120.00	120.00	120.00	41.74	58.43	75.13	91.83	108.52	79.25	110.96	120.00	120.00	120.00	76.10	106.54	120.00	120.00	120.00
48.00		69.35	97.09	120.00	120.00	120.00	36.52	51.13	65.74	80.35	94.96	69.35	97.09	120.00	120.00	120.00	66.59	93.22	119.86	120.00	120.00
54.00		61.64	86.30	110.96	120.00	120.00	32.46	45.45	58.43	71.42	84.41	61.64	86.30	110.96	120.00	120.00	59.19	82.86	106.54	120.00	120.00
60.00		55.48	77.67	99.86	120.00	120.00	29.22	40.90	52.59	64.28	75.97	55.48	77.67	99.86	120.00	120.00	53.27	74.58	95.89	117.19	120.00
66.00		50.31	70.43	91.53	116.97	120.00	26.00	37.20	48.40	59.60	70.80	50.31	70.43	91.53	116.97	120.00	49.23	69.53	89.59	111.31	120.00
72.00		45.38	65.06	84.08	110.10	120.00	23.00	34.00	45.00	56.00	67.00	45.38	65.06	84.08	110.10	120.00	44.19	63.28	82.29	103.41	120.00
24.00	144.00	120.00	120.00	120.00	120.00	120.00	70.00	98.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		106.33	120.00	120.00	120.00	120.00	56.00	78.40	100.80	120.00	120.00	106.33	120.00	120.00	120.00	120.00	102.10	120.00	120.00	120.00	120.00
36.00		88.61	120.00	120.00	120.00	120.00	46.67	65.33	84.00	102.67	120.00	88.61	120.00	120.00	120.00	120.00	85.08	119.12	120.00	120.00	120.00
42.00		75.95	106.33	120.00	120.00	120.00	40.00	56.00	72.00	88.00	104.00	75.95	106.33	120.00	120.00	120.00	72.93	102.10	120.00	120.00	120.00
48.00		66.46	93.04	119.63	120.00	120.00	35.00	49.00	63.00	77.00	91.00	66.46	93.04	119.63	120.00	120.00	63.81	89.34	114.86	120.00	120.00
54.00		59.07	82.70	106.33	120.00	120.00	31.11	43.56	56.00	68.44	80.89	59.07	82.70	106.33	120.00	120.00	56.72	79.41	102.10	120.00	120.00
60.00		53.17	74.43	95.70	116.97	120.00	28.00	39.20	50.40	61.60	72.80	53.17	74.43	95.70	116.97	120.00	51.05	71.47	91.89	112.31	120.00
66.00		48.24	69.36	89.52	112.16	120.00	25.00	36.00	47.00	58.00	69.00	48.24	69.36	89.52	112.16	120.00	46.04	66.06	86.12	106.41	120.00
72.00		43.31	62.87	82.43	108.09	120.00	22.00	33.00	44.00	55.00	66.00	43.31	62.87	82.43	108.09	120.00	41.01	60.61	80.21	101.81	120.00

NOTE:
A2 REPRESENTS (2) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.

A3 REPRESENTS (3) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.

A4 REPRESENTS (4) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.

A5 REPRESENTS (5) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.

A6 REPRESENTS (6) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.

ALL ANCHORS ARE CALCULATED WITH 3/4" SHIM SPACE



ALUCORP S.A. DE C.V.
CALLE 2 TABLAJE 17439 INT C X 21Y
25 CHICHI SUAREZ, MERIDA
YUCATAN, MEXICO

TITLE: 7000 SERIES ALUMINUM CURTAIN WALL (HVHZ)(IMPACT) ANCHOR DETAILS

PREPARED BY:

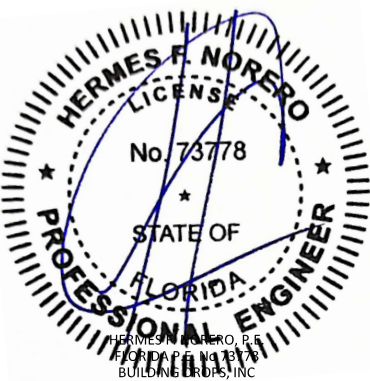
BUILDING DROPS

BUILDING DROPS, INC.

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MIAMI, FL 33132
PH: (954)399-8478
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REMARKS	BY	DATE

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HERMES F. NORERO, P.E.
1900 NE MIAMI COURT SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL#

FL47166

DATE:

12.09.24

DWG. BY:

DI

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

ALP006

SECTION:

8.4

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TWIN SPAN ANCHOR CAPACITY TABLES

[illegible]

NOTE: A2 REPRESENTS (2) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB. A3 REPRESENTS (3) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB. A4 REPRESENTS (4) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB. A5 REPRESENTS (5) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB. A6 REPRESENTS (6) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB. ALL ANCHORS ARE CALCULATED WITH 3/4" SHIM SPACE
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ANCHOR DETAILS

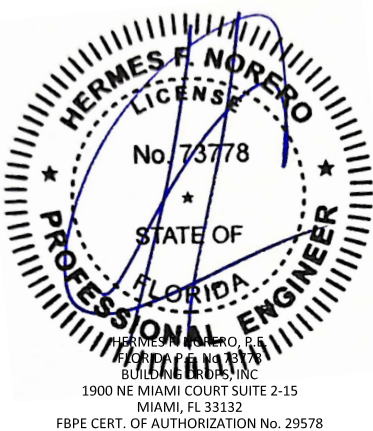
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FL# FL47166

DATE: 12.09.24

DWG. BY: DI	CHK. BY: HFN
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SCALE: NTS

DWG. #: ALP006

SECTION: 8.5

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TWIN SPAN ANCHOR CAPACITY TABLES

MAX. ANCHOR CAPACITY FOR TWIN SPAN - DESIGN PRESSURES (+/- PSF)																					
MAX. AVG. WIDTH 'W' (in.)	MAX. SPAN 'H' (in.)	A2	A3	A4	A5	A6	B2	B3	B4	B5	B6	C2	C3	C4	C5	C6	D2	D3	D4	D5	D6
24.00	72.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
36.00		120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
42.00		120.00	120.00	120.00	120.00	120.00	106.67	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
48.00		120.00	120.00	120.00	120.00	120.00	93.33	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
54.00		120.00	120.00	120.00	120.00	120.00	82.96	116.15	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
60.00		120.00	120.00	120.00	120.00	120.00	74.67	104.53	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
66.00		120.00	120.00	120.00	120.00	120.00	67.88	95.03	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
72.00		118.15	120.00	120.00	120.00	120.00	62.22	87.11	112.00	120.00	120.00	118.15	120.00	120.00	120.00	120.00	120.00	113.44	120.00	120.00	120.00
78.00		109.06	120.00	120.00	120.00	120.00	57.44	80.41	103.38	120.00	120.00	109.06	120.00	120.00	120.00	120.00	120.00	104.72	120.00	120.00	120.00
84.00		101.27	120.00	120.00	120.00	120.00	53.33	74.67	96.00	117.33	120.00	101.27	120.00	120.00	120.00	120.00	120.00	97.24	120.00	120.00	120.00
90.00		94.52	120.00	120.00	120.00	120.00	49.78	69.69	89.60	109.51	120.00	94.52	120.00	120.00	120.00	120.00	120.00	90.76	120.00	120.00	120.00
96.00	88.61	120.00	120.00	120.00	120.00	46.67	65.33	84.00	102.67	120.00	88.61	120.00	120.00	120.00	120.00	120.00	85.08	119.12	120.00	120.00	
24.00	78.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
36.00		120.00	120.00	120.00	120.00	120.00	114.87	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
42.00		120.00	120.00	120.00	120.00	120.00	98.46	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
48.00		120.00	120.00	120.00	120.00	120.00	86.15	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
54.00		120.00	120.00	120.00	120.00	120.00	76.58	107.21	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
60.00		120.00	120.00	120.00	120.00	120.00	68.92	96.49	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
66.00		118.97	120.00	120.00	120.00	120.00	62.66	87.72	112.78	120.00	120.00	118.97	120.00	120.00	120.00	120.00	120.00	114.24	120.00	120.00	120.00
72.00		109.06	120.00	120.00	120.00	120.00	57.44	80.41	103.38	120.00	120.00	109.06	120.00	120.00	120.00	120.00	120.00	104.72	120.00	120.00	120.00
78.00		100.67	120.00	120.00	120.00	120.00	53.02	74.22	95.43	116.64	120.00	100.67	120.00	120.00	120.00	120.00	120.00	96.66	120.00	120.00	120.00
84.00		93.48	120.00	120.00	120.00	120.00	49.23	68.92	88.62	108.31	120.00	93.48	120.00	120.00	120.00	120.00	120.00	89.76	120.00	120.00	120.00
90.00		87.25	120.00	120.00	120.00	120.00	45.95	64.33	82.71	101.09	119.47	87.25	120.00	120.00	120.00	120.00	120.00	83.77	117.28	120.00	120.00
96.00	81.79	114.51	120.00	120.00	120.00	43.08	60.31	77.54	94.77	112.00	81.79	114.51	120.00	120.00	120.00	120.00	78.54	109.95	120.00	120.00	
24.00	84.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
36.00		120.00	120.00	120.00	120.00	120.00	106.67	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
42.00		120.00	120.00	120.00	120.00	120.00	91.43	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
48.00		120.00	120.00	120.00	120.00	120.00	80.00	112.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
54.00		120.00	120.00	120.00	120.00	120.00	71.11	99.56	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
60.00		120.00	120.00	120.00	120.00	120.00	64.00	89.60	115.20	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	116.69	120.00	120.00	120.00
66.00		110.48	120.00	120.00	120.00	120.00	58.18	81.45	104.73	120.00	120.00	110.48	120.00	120.00	120.00	120.00	120.00	106.08	120.00	120.00	120.00
72.00		101.27	120.00	120.00	120.00	120.00	53.33	74.67	96.00	117.33	120.00	101.27	120.00	120.00	120.00	120.00	120.00	97.24	120.00	120.00	120.00
78.00		93.48	120.00	120.00	120.00	120.00	49.23	68.92	88.62	108.31	120.00	93.48	120.00	120.00	120.00	120.00	120.00	89.76	120.00	120.00	120.00
84.00		86.80	120.00	120.00	120.00	120.00	45.71	64.00	82.29	100.57	118.86	86.80	120.00	120.00	120.00	120.00	120.00	83.35	116.69	120.00	120.00
90.00		81.02	113.42	120.00	120.00	120.00	42.														

TWIN SPAN ANCHOR CAPACITY TABLES

MAX. ANCHOR CAPACITY FOR TWIN SPAN - DESIGN PRESSURES (+/- PSF)																					
MAX. AVG. WIDTH 'W' (in.)	MAX. SPAN 'H' (in.)	A2	A3	A4	A5	A6	B2	B3	B4	B5	B6	C2	C3	C4	C5	C6	D2	D3	D4	D5	D6
24.00	96.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	112.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
36.00		120.00	120.00	120.00	120.00	120.00	93.33	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
42.00		120.00	120.00	120.00	120.00	120.00	80.00	112.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
48.00		120.00	120.00	120.00	120.00	120.00	70.00	98.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
54.00		118.15	120.00	120.00	120.00	120.00	62.22	87.11	112.00	120.00	120.00	118.15	120.00	120.00	120.00	120.00	113.44	120.00	120.00	120.00	120.00
60.00		106.33	120.00	120.00	120.00	120.00	56.00	78.40	100.80	120.00	120.00	106.33	120.00	120.00	120.00	120.00	102.10	120.00	120.00	120.00	120.00
66.00		96.67	120.00	120.00	120.00	120.00	50.91	71.27	91.64	112.00	120.00	96.67	120.00	120.00	120.00	120.00	92.82	120.00	120.00	120.00	120.00
72.00		88.61	120.00	120.00	120.00	120.00	46.67	65.33	84.00	102.67	120.00	88.61	120.00	120.00	120.00	120.00	85.08	119.12	120.00	120.00	120.00
78.00		81.79	114.51	120.00	120.00	120.00	43.08	60.31	77.54	94.77	112.00	81.79	114.51	120.00	120.00	120.00	78.54	109.95	120.00	120.00	120.00
84.00		75.95	106.33	120.00	120.00	120.00	40.00	56.00	72.00	88.00	104.00	75.95	106.33	120.00	120.00	120.00	72.93	102.10	120.00	120.00	120.00
90.00		70.89	99.24	120.00	120.00	120.00	37.33	52.27	67.20	82.13	97.07	70.89	99.24	120.00	120.00	120.00	68.07	95.29	120.00	120.00	120.00
24.00	102.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	105.41	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
36.00		120.00	120.00	120.00	120.00	120.00	87.84	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
42.00		120.00	120.00	120.00	120.00	120.00	75.29	105.41	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
48.00		120.00	120.00	120.00	120.00	120.00	65.88	92.24	118.59	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
54.00		111.20	120.00	120.00	120.00	120.00	58.56	81.99	105.41	120.00	120.00	111.20	120.00	120.00	120.00	120.00	106.77	120.00	120.00	120.00	120.00
60.00		100.08	120.00	120.00	120.00	120.00	52.71	73.79	94.87	115.95	120.00	100.08	120.00	120.00	120.00	120.00	96.09	120.00	120.00	120.00	120.00
66.00		90.98	120.00	120.00	120.00	120.00	47.91	67.08	86.25	105.41	120.00	90.98	120.00	120.00	120.00	120.00	87.36	120.00	120.00	120.00	120.00
72.00		83.40	116.76	120.00	120.00	120.00	43.92	61.49	79.06	96.63	114.20	83.40	116.76	120.00	120.00	120.00	80.08	112.11	120.00	120.00	120.00
78.00		76.98	107.78	120.00	120.00	120.00	40.54	56.76	72.98	89.19	105.41	76.98	107.78	120.00	120.00	120.00	73.92	103.49	120.00	120.00	120.00
84.00		71.48	100.08	120.00	120.00	120.00	37.65	52.71	67.76	82.82	97.88	71.48	100.08	120.00	120.00	120.00	68.64	96.09	120.00	120.00	120.00
24.00	108.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	99.56	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
36.00		120.00	120.00	120.00	120.00	120.00	82.96	116.15	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
42.00		120.00	120.00	120.00	120.00	120.00	71.11	99.56	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
48.00		118.15	120.00	120.00	120.00	120.00	62.22	87.11	112.00	120.00	120.00	118.15	120.00	120.00	120.00	120.00	113.44	120.00	120.00	120.00	120.00
54.00		105.02	120.00	120.00	120.00	120.00	55.31	77.43	99.56	120.00	120.00	105.02	120.00	120.00	120.00	120.00	100.84	120.00	120.00	120.00	120.00
60.00		94.52	120.00	120.00	120.00	120.00	49.78	69.69	89.60	109.51	120.00	94.52	120.00	120.00	120.00	120.00	90.76	120.00	120.00	120.00	120.00
66.00		85.93	120.00	120.00	120.00	120.00	45.25	63.35	81.45	99.56	117.66	85.93	120.00	120.00	120.00	120.00	82.51	115.51	120.00	120.00	120.00
72.00		78.77	110.27	120.00	120.00	120.00	41.48	58.07	74.67	91.26	107.85	78.77	110.27	120.00	120.00	120.00	75.63	105.88	120.00	120.00	120.00
78.00		72.71	101.79	120.00	120.00	120.00	38.29	53.61	68.92	84.24	99.56	72.71	101.79	120.00	120.00	120.00	69.81	97.74	120.00	120.00	120.00
24.00	114.00	120.00	120.00	120.00	120.00	120.00	117.89	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	94.32	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
36.00		120.00	120.00	120.00	120.00	120.00	78.60	110.04	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
42.00		120.00	120.00	120.00	120.00	120.00	67.37	94.32	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
48.00		111.93	120.00	120.00	120.00	120.00	58.95	82.53	106.11	120.00	120.00	111.93	120.00	120.00	120.00	120.00	107.47	120.00	120.00	120.00	120.00
54.00		99.49	120.00	120.00	120.00	120.00	52.40	73.36	94.32	115.27	120.00	99.49	120.00	120.00	120.00	120.00	95.53	120.00	120.00	120.00	120.00
60.00		89.54	120.00	120.00	120.00	120.00	47.16	66.02	84.88	103.75	120.00	89.54	120.00	120.00	120.00	120.00	85.98	120.00	120.00	120.00	120.00
66.00		81.40	113.96	120.00	120.00	120.00	42.87	60.02	77.17	94.32	111.46	81.40	113.96	120.00	120.00	120.00	78.16	109.43	120.00	120.00	120.00
72.00		74.62	104.47	120.00	120.00	120.00	39.30	55.02	70.74	86.46	102.18	74.62	104.47	120.00	120.00	120.00	71.65	100.31	120.00	120.00	120.00

NOTE:
A2 REPRESENTS (2) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.
A3 REPRESENTS (3) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.
A4 REPRESENTS (4) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.
A5 REPRESENTS (5) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.
A6 REPRESENTS (6) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.
ALL ANCHORS ARE CALCULATED WITH 3/4" SHIM SPACE



ALUCORP S.A. DE C.V.
CALLE 2 TABLAJE 17439 INT C X 21Y
25 CHICHI SUAREZ, MERIDA
YUCATAN, MEXICO

TITLE: 7000 SERIES ALUMINUM
CURTAIN WALL
(HVHZ)(IMPACT)
ANCHOR DETAILS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

BUILDING DROPS

REMARKS	BY	DATE

THE INSTALLATION DETAILS DESCRIBED HERE IN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.

HERMES F. NORERO, P.E.
1900 NE MIAMI COURT SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL#
FL47166

DATE: **12.09.24**

DWG. BY: **DI**CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **ALP006**

SECTION:
8.7
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TWIN SPAN ANCHOR CAPACITY TABLES

MAX. ANCHOR CAPACITY FOR TWIN SPAN - DESIGN PRESSURES (+/- PSF)

MAX. AVG. WIDTH 'W' (in.)	MAX. SPAN 'H' (in.)	A2	A3	A4	A5	A6	B2	B3	B4	B5	B6	C2	C3	C4	C5	C6	D2	D3	D4	D5	D6
24.00	120.00	120.00	120.00	120.00	120.00	120.00	112.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	89.60	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
36.00		120.00	120.00	120.00	120.00	120.00	74.67	104.53	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
42.00		120.00	120.00	120.00	120.00	120.00	64.00	89.60	115.20	120.00	120.00	120.00	120.00	120.00	120.00	120.00	116.69	120.00	120.00	120.00	120.00
48.00		106.33	120.00	120.00	120.00	120.00	56.00	78.40	100.80	120.00	120.00	106.33	120.00	120.00	120.00	120.00	102.10	120.00	120.00	120.00	120.00
54.00		94.52	120.00	120.00	120.00	120.00	49.78	69.69	89.60	109.51	120.00	94.52	120.00	120.00	120.00	120.00	90.76	120.00	120.00	120.00	120.00
60.00		85.07	119.09	120.00	120.00	120.00	44.80	62.72	80.64	98.56	116.48	85.07	119.09	120.00	120.00	120.00	81.68	114.35	120.00	120.00	120.00
66.00		77.33	108.27	120.00	120.00	120.00	40.73	57.02	73.31	89.60	105.89	77.33	108.27	120.00	120.00	120.00	74.25	103.96	120.00	120.00	120.00
72.00		70.89	99.24	120.00	120.00	120.00	37.33	52.27	67.20	82.13	97.07	70.89	99.24	120.00	120.00	120.00	68.07	95.29	120.00	120.00	120.00
24.00	126.00	120.00	120.00	120.00	120.00	120.00	106.67	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	85.33	119.47	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
36.00		120.00	120.00	120.00	120.00	120.00	71.11	99.56	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
42.00		115.74	120.00	120.00	120.00	120.00	60.95	85.33	109.71	120.00	120.00	115.74	120.00	120.00	120.00	120.00	111.13	120.00	120.00	120.00	120.00
48.00		101.27	120.00	120.00	120.00	120.00	53.33	74.67	96.00	117.33	120.00	101.27	120.00	120.00	120.00	120.00	97.24	120.00	120.00	120.00	120.00
54.00		90.02	120.00	120.00	120.00	120.00	47.41	66.37	85.33	104.30	120.00	90.02	120.00	120.00	120.00	120.00	86.43	120.00	120.00	120.00	120.00
60.00		81.02	113.42	120.00	120.00	120.00	42.67	59.73	76.80	93.87	110.93	81.02	113.42	120.00	120.00	120.00	77.79	108.91	120.00	120.00	120.00
66.00		73.65	103.11	120.00	120.00	120.00	38.79	54.30	69.82	85.33	100.85	73.65	103.11	120.00	120.00	120.00	70.72	99.01	120.00	120.00	120.00
24.00	132.00	120.00	120.00	120.00	120.00	120.00	101.82	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	81.45	114.04	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
36.00		120.00	120.00	120.00	120.00	120.00	67.88	95.03	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
42.00		110.48	120.00	120.00	120.00	120.00	58.18	81.45	104.73	120.00	120.00	110.48	120.00	120.00	120.00	120.00	106.08	120.00	120.00	120.00	120.00
48.00		96.67	120.00	120.00	120.00	120.00	50.91	71.27	91.64	112.00	120.00	96.67	120.00	120.00	120.00	120.00	92.82	120.00	120.00	120.00	120.00
54.00		85.93	120.00	120.00	120.00	120.00	45.25	63.35	81.45	99.56	117.66	85.93	120.00	120.00	120.00	120.00	82.51	115.51	120.00	120.00	120.00
60.00		77.33	108.27	120.00	120.00	120.00	40.73	57.02	73.31	89.60	105.89	77.33	108.27	120.00	120.00	120.00	74.25	103.96	120.00	120.00	120.00
66.00		73.97	103.56	120.00	120.00	120.00	38.96	54.54	70.12	85.70	101.29	73.97	103.56	120.00	120.00	120.00	71.03	99.44	120.00	120.00	120.00
24.00	138.00	120.00	120.00	120.00	120.00	120.00	97.39	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	77.91	109.08	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
36.00		120.00	120.00	120.00	120.00	120.00	64.93	90.90	116.87	120.00	120.00	120.00	120.00	120.00	120.00	120.00	118.38	120.00	120.00	120.00	120.00
42.00		105.67	120.00	120.00	120.00	120.00	55.65	77.91	100.17	120.00	120.00	105.67	120.00	120.00	120.00	120.00	101.47	120.00	120.00	120.00	120.00
48.00		92.46	120.00	120.00	120.00	120.00	48.70	68.17	87.65	107.13	120.00	92.46	120.00	120.00	120.00	120.00	88.78	120.00	120.00	120.00	120.00
54.00		82.19	115.07	120.00	120.00	120.00	43.29	60.60	77.91	95.23	112.54	82.19	115.07	120.00	120.00	120.00	78.92	110.49	120.00	120.00	120.00
60.00		73.97	103.56	120.00	120.00	120.00	38.96	54.54	70.12	85.70	101.29	73.97	103.56	120.00	120.00	120.00	71.03	99.44	120.00	120.00	120.00
66.00		70.89	99.24	120.00	120.00	120.00	37.33	52.27	67.20	82.13	97.07	70.89	99.24	120.00	120.00	120.00	68.07	95.29	120.00	120.00	120.00
24.00	144.00	120.00	120.00	120.00	120.00	120.00	93.33	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
30.00		120.00	120.00	120.00	120.00	120.00	74.67	104.53	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00	120.00
36.00		118.15	120.00	120.00	120.00	120.00	62.22	87.11	112.00	120.00	120.00	118.15	120.00	120.00	120.00	120.00	113.44	120.00	120.00	120.00	120.00
42.00		101.27	120.00	120.00	120.00	120.00	53.33	74.67	96.00	117.33	120.00	101.27	120.00	120.00	120.00	120.00	97.24	120.00	120.00	120.00	120.00
48.00		88.61	120.00	120.00	120.00	120.00	46.67	65.33	84.00	102.67	120.00	88.61	120.00	120.00	120.00	120.00	85.08	119.12	120.00	120.00	120.00
54.00		78.77	110.27	120.00	120.00	120.00	41.48	58.07	74.67	91.26	107.85	78.77	110.27	120.00	120.00	120.00	75.63	105.88	120.00	120.00	120.00
60.00		70.89	99.24	120.00	120.00	120.00	37.33	52.27	67.20	82.13	97.07	70.89	99.24	120.00	120.00	120.00	68.07	95.29	120.00	120.00	120.00
66.00		70.89	99.24	120.00	120.00	120.00	37.33	52.27	67.20	82.13	97.07	70.89	99.24	120.00	120.00	120.00	68.07	95.29	120.00	120.00	120.00

NOTE:
A2 REPRESENTS (2) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.
A3 REPRESENTS (3) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.
A4 REPRESENTS (4) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.
A5 REPRESENTS (5) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.
A6 REPRESENTS (6) ANCHORS USED ON EACH SIDE OF THE MULLION AND ONE SIDE OF THE JAMB.
ALL ANCHORS ARE CALCULATED WITH 3/4" SHIM SPACE



ALUCORP S.A. DE C.V.
CALLE 2 TABLAJE 17439 INT C X 21Y
25 CHICHI SUAREZ, MERIDA
YUCATAN, MEXICO

TITLE: 7000 SERIES ALUMINUM
CURTAIN WALL
(HVHZ)(IMPACT)
ANCHOR DETAILS

PREPARED BY:

BUILDING DROPS

BUILDING DROPS, INC.

1900 NE MIAMI COURT, STE. 2-15

MIAMI, FL 33132

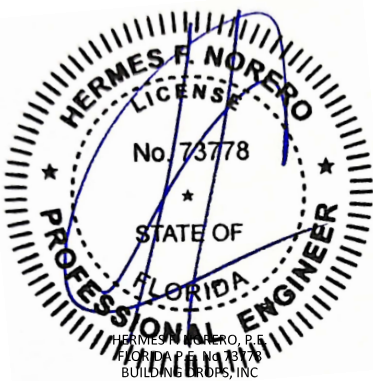
PH: (954)399-8478

FAX: (954)744-4738

WEB: www.buildingdrops.com

REMARKS	BY	DATE

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HERMES F. NORERO, P.E.
1900 NE MIAMI COURT SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL#

FL47166

DATE:

12.09.24

DWG. BY:

DI

CHK. BY:

HFN

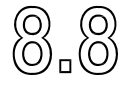
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DWG. #:

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SECTION:



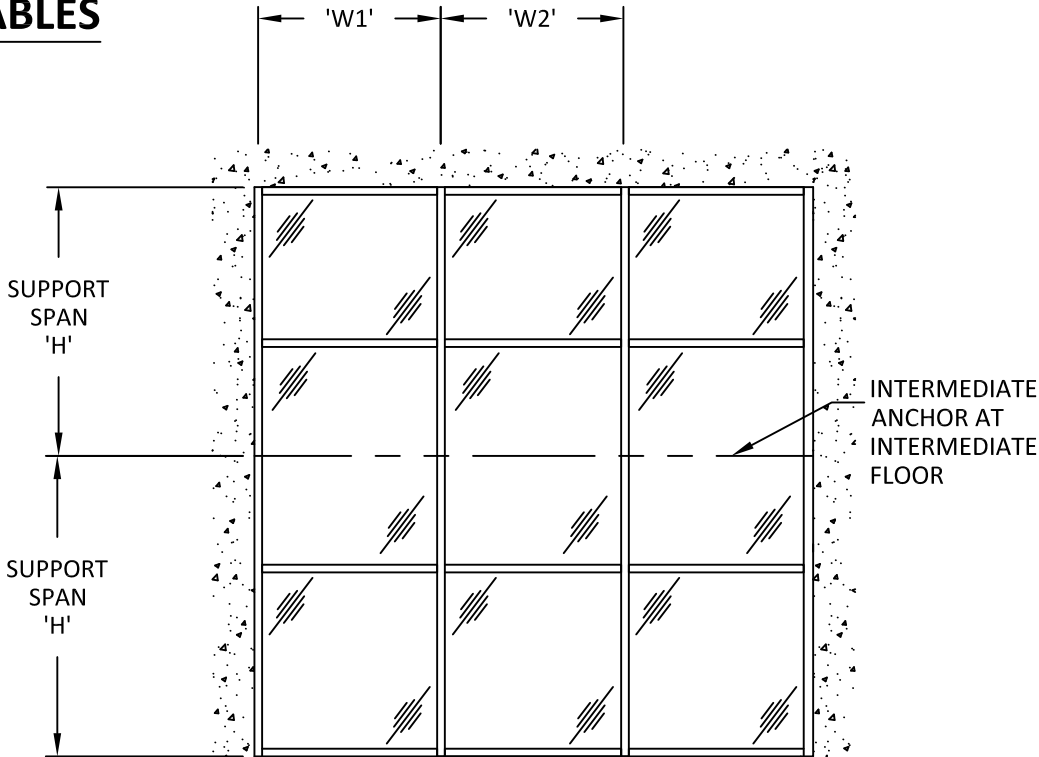
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ANCHOR TYPES

TYPE	DIAMETER	ANCHOR TYPE	SUBSTRATE	MINIMUM EDGE DISTANCE	MINIMUM EMBEDMENT
D	-	WELD (E60XX)	STEEL MIN. 1/4"	-	SEE SECTION 5
E	1/2"	DEWALT POWER-STUD+ SD2	MIN. 3000 PSI CONCRETE 'CRACKED OR UNCRAKED'	4"	3.75"

MAXIMUM DESIGN PRESSURE - LIMITED BY ANCHOR CAPACITY (+/- PSF)			
NOMINAL DIMENSIONS		ANCHOR TYPE D	ANCHOR TYPE E
WIDTH (W) (IN.)	HEIGHT (H) (IN.)		
36.00	72.00	120.00	120.00
42.00		120.00	120.00
48.00		120.00	120.00
54.00		120.00	120.00
60.00		120.00	120.00
66.00		120.00	120.00
72.00		120.00	120.00
78.00		120.00	120.00
84.00		120.00	120.00
90.00		120.00	120.00
96.00		120.00	120.00
36.00	78.00	120.00	120.00
42.00		120.00	120.00
48.00		120.00	120.00
54.00		120.00	120.00
60.00		120.00	120.00
66.00		120.00	120.00
72.00		120.00	120.00
78.00		120.00	120.00
84.00		120.00	120.00
90.00		120.00	120.00
96.00		120.00	120.00
36.00	84.00	120.00	120.00
42.00		120.00	120.00
48.00		120.00	120.00
54.00		120.00	120.00
60.00		120.00	120.00
66.00		120.00	120.00
72.00		120.00	120.00
78.00		120.00	120.00
84.00		120.00	120.00
90.00		120.00	120.00
96.00		120.00	120.00
36.00	90.00	120.00	120.00
42.00		120.00	120.00
48.00		120.00	120.00
54.00		120.00	120.00
60.00		120.00	120.00
66.00		120.00	120.00
72.00		120.00	120.00
78.00		120.00	120.00
84.00		120.00	120.00
90.00		120.00	120.00
96.00		120.00	120.00
36.00	96.00	120.00	120.00
42.00		120.00	120.00
48.00		120.00	120.00
54.00		120.00	120.00
60.00		120.00	120.00
66.00		120.00	120.00
72.00		120.00	120.00
78.00		120.00	120.00
84.00		120.00	120.00
90.00		120.00	120.00

MAXIMUM DESIGN PRESSURE - LIMITED BY ANCHOR CAPACITY (+/- PSF)			
NOMINAL DIMENSIONS		ANCHOR TYPE D	ANCHOR TYPE E
WIDTH (W) (IN.)	HEIGHT (H) (IN.)		
36.00	102.00	120.00	120.00
42.00		120.00	120.00
48.00		120.00	120.00
54.00		120.00	120.00
60.00		120.00	120.00
66.00		120.00	120.00
72.00		120.00	120.00
78.00		120.00	120.00
84.00		120.00	120.00
90.00		120.00	120.00
96.00		120.00	120.00
36.00	108.00	120.00	120.00
42.00		120.00	120.00
48.00		120.00	120.00
54.00		120.00	120.00
60.00		120.00	120.00
66.00		120.00	120.00
72.00		120.00	120.00
78.00		120.00	120.00
84.00		120.00	120.00
90.00		120.00	120.00
96.00		120.00	120.00
36.00	114.00	120.00	120.00
42.00		120.00	120.00
48.00		120.00	120.00
54.00		120.00	120.00
60.00		120.00	120.00
66.00		120.00	120.00
72.00		120.00	120.00
78.00		120.00	120.00
84.00		120.00	120.00
90.00		120.00	120.00
96.00		120.00	120.00
36.00	120.00	120.00	120.00
42.00		120.00	120.00
48.00		120.00	120.00
54.00		120.00	120.00
60.00		120.00	120.00
66.00		120.00	120.00
72.00		120.00	120.00
78.00		120.00	120.00
84.00		120.00	120.00
90.00		120.00	120.00
96.00		120.00	120.00
36.00	126.00	120.00	120.00
42.00		120.00	120.00
48.00		120.00	120.00
54.00		120.00	120.00
60.00		120.00	120.00
66.00		120.00	120.00
72.00		120.00	120.00
78.00		120.00	120.00
84.00		120.00	120.00
90.00		120.00	120.00
96.00		120.00	120.00
36.00	132.00	120.00	120.00
42.00		120.00	120.00
48.00		120.00	120.00
54.00		120.00	120.00
60.00		120.00	120.00
66.00		120.00	120.00
72.00		120.00	120.00
78.00		120.00	120.00
84.00		120.00	120.00
90.00		120.00	120.00
96.00		120.00	120.00
36.00	138.00	120.00	120.00
42.00		120.00	120.00
48.00		120.00	120.00
54.00		120.00	120.00
60.00		120.00	120.00
66.00		120.00	120.00
72.00		120.00	120.00
78.00		120.00	120.00
84.00		120.00	120.00
90.00		120.00	120.00
96.00		120.00	120.00
36.00	144.00	120.00	120.00
42.00		120.00	120.00
48.00		120.00	120.00
54.00		120.00	120.00
60.00		120.00	120.00
66.00		120.00	120.00
72.00		120.00	120.00
78.00		120.00	120.00
84.00		120.00	120.00
90.00		120.00	120.00



TWIN SPAN ANCHOR LAYOUT - TYP.

MULLION SPACING OR BAY WIDTH, 'W'	$W = \frac{W1 + W2}{2}$
JAMB SPACING OR BAY WIDTH, 'W'	$W = W1$

ALUCORP S.A. DE C.V.
CALLE 2 TABLAJE 17439 INT C X 21Y
25 CHICHI SUAREZ, MERIDA
YUCATAN, MEXICO

TITLE: 7000 SERIES ALUMINUM
CURTAIN WALL
(HVHZ)(IMPACT)
ANCHOR DETAILS

PREPARED BY:
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1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
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FL#
FL47166

DATE: **12.09.24**

DWG. BY: **DI**CHK. BY: **HFN**

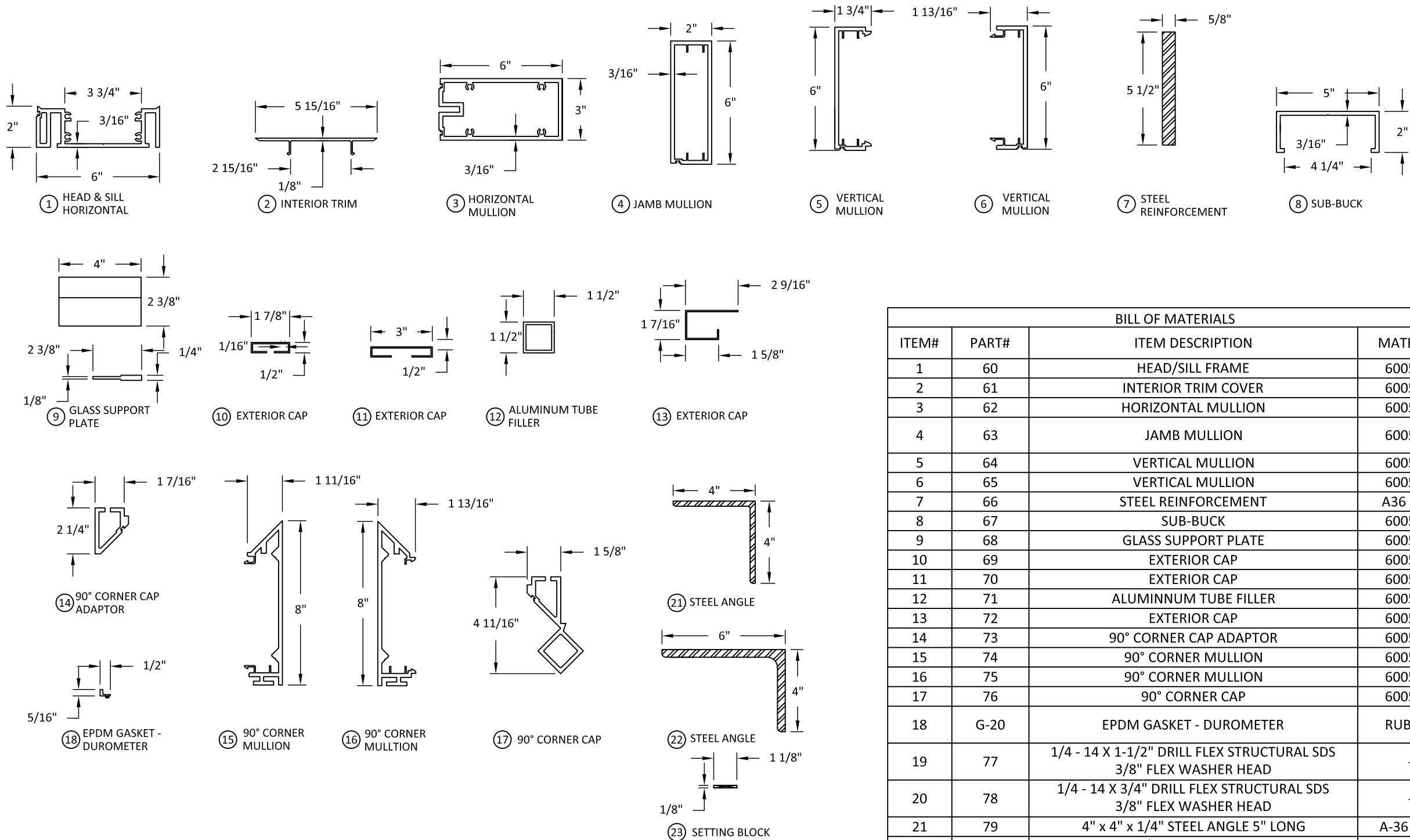
SCALE: **NTS**

DWG. #: **ALP006**

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8.9
Page 27 of 28

TITLE: 7000 SERIES ALUMINUM
CURTAIN WALL
(HVHZ)(IMPACT)
COMPONENTS &
BILL OF MATERIALS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
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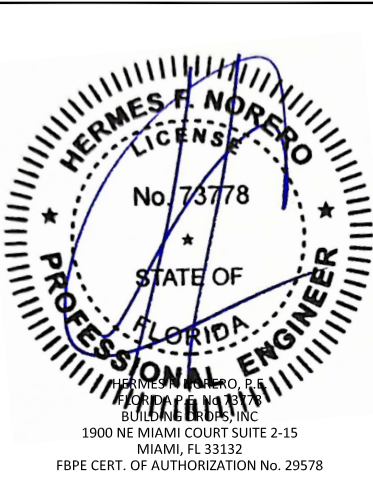


ALL ALUMINUM ALLOY TO BE: 6005-T6

BILL OF MATERIALS			
ITEM#	PART#	ITEM DESCRIPTION	MATERIAL
1	60	HEAD/SILL FRAME	6005-T6
2	61	INTERIOR TRIM COVER	6005-T6
3	62	HORIZONTAL MULLION	6005-T6
4	63	JAMB MULLION	6005-T6
5	64	VERTICAL MULLION	6005-T6
6	65	VERTICAL MULLION	6005-T6
7	66	STEEL REINFORCEMENT	A36 MIN.
8	67	SUB-BUCK	6005-T6
9	68	GLASS SUPPORT PLATE	6005-T6
10	69	EXTERIOR CAP	6005-T6
11	70	EXTERIOR CAP	6005-T6
12	71	ALUMINNUM TUBE FILLER	6005-T6
13	72	EXTERIOR CAP	6005-T6
14	73	90° CORNER CAP ADAPTOR	6005-T6
15	74	90° CORNER MULLION	6005-T6
16	75	90° CORNER MULLION	6005-T6
17	76	90° CORNER CAP	6005-T6
18	G-20	EPDM GASKET - DUROMETER	RUBBER
19	77	1/4 - 14 X 1-1/2" DRILL FLEX STRUCTURAL SDS 3/8" FLEX WASHER HEAD	-
20	78	1/4 - 14 X 3/4" DRILL FLEX STRUCTURAL SDS 3/8" FLEX WASHER HEAD	-
21	79	4" x 4" x 1/4" STEEL ANGLE 5" LONG	A-36 MIN.
22	80	4" x 6" x 3/8" STEEL ANGLE 5" LONG	A-36 MIN.
23	81	SETTING BLOCK (1/8" x 1-1/8") AT 1/4 POINTS	EPDM

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