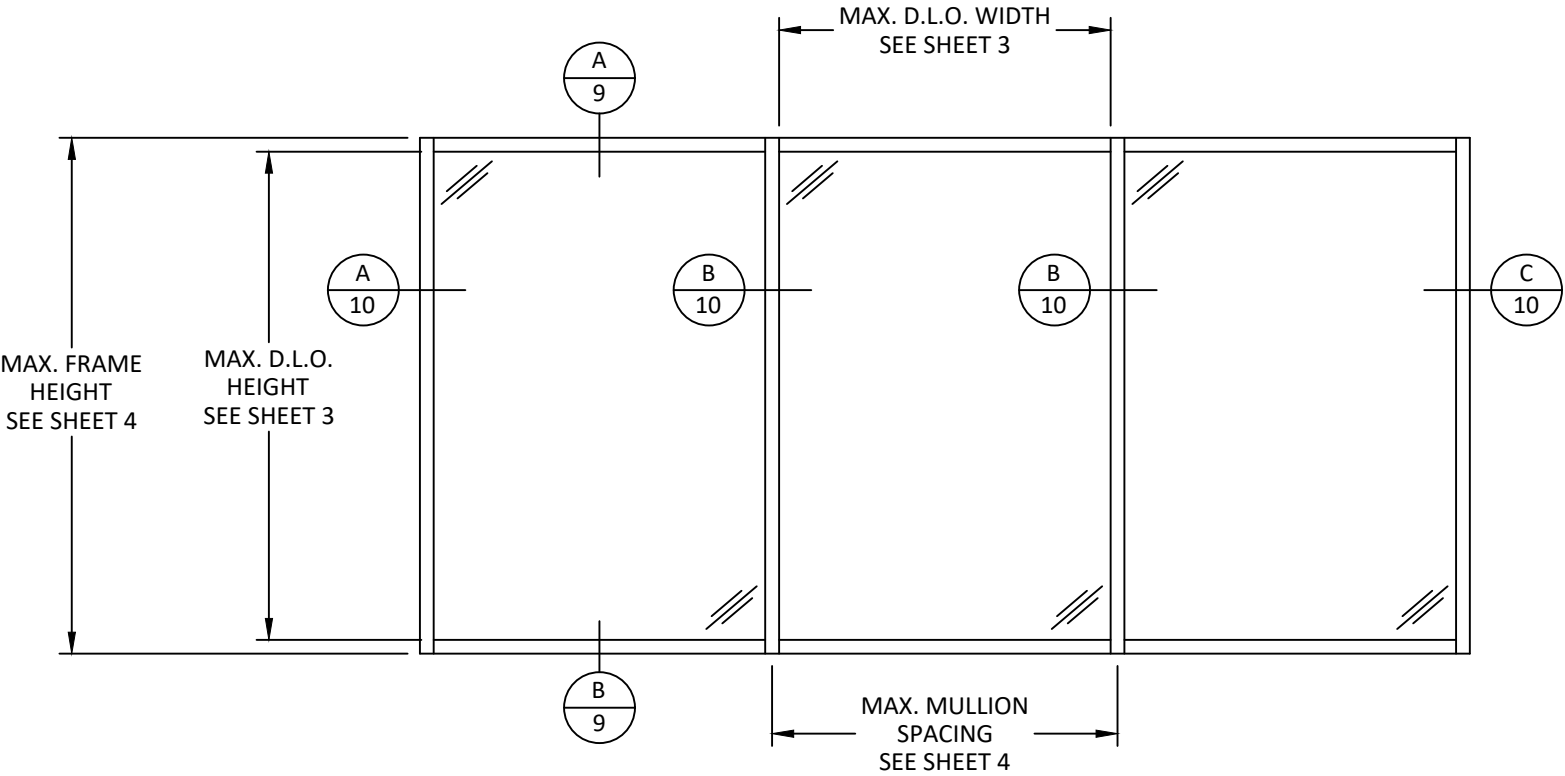


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ELEVATION



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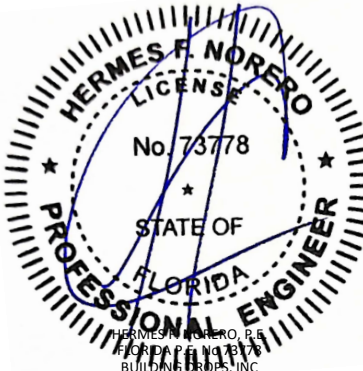
TITLE: IP1900 ALUMINUM CURTAIN WALL SYSTEM (WZ4) (IMPACT) ELEVATION

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

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MIAMI, FL 33132
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FL #: **FL40952**

DATE: **8.22.24**

DWG. BY: **J.A.**CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **ARC017**

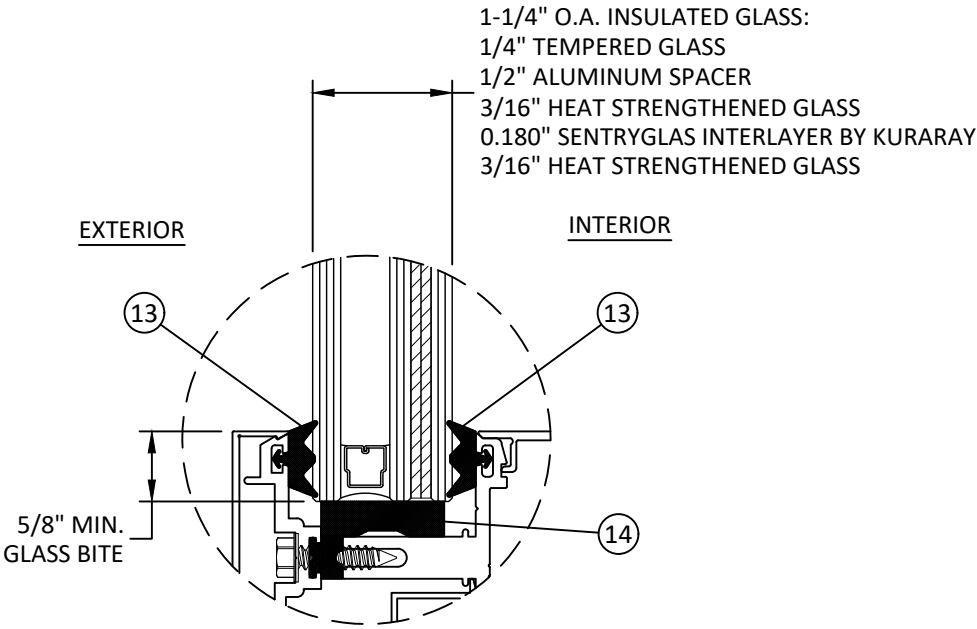
SHEET:

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GLAZING DETAIL AND GLASS CAPACITY TABLE

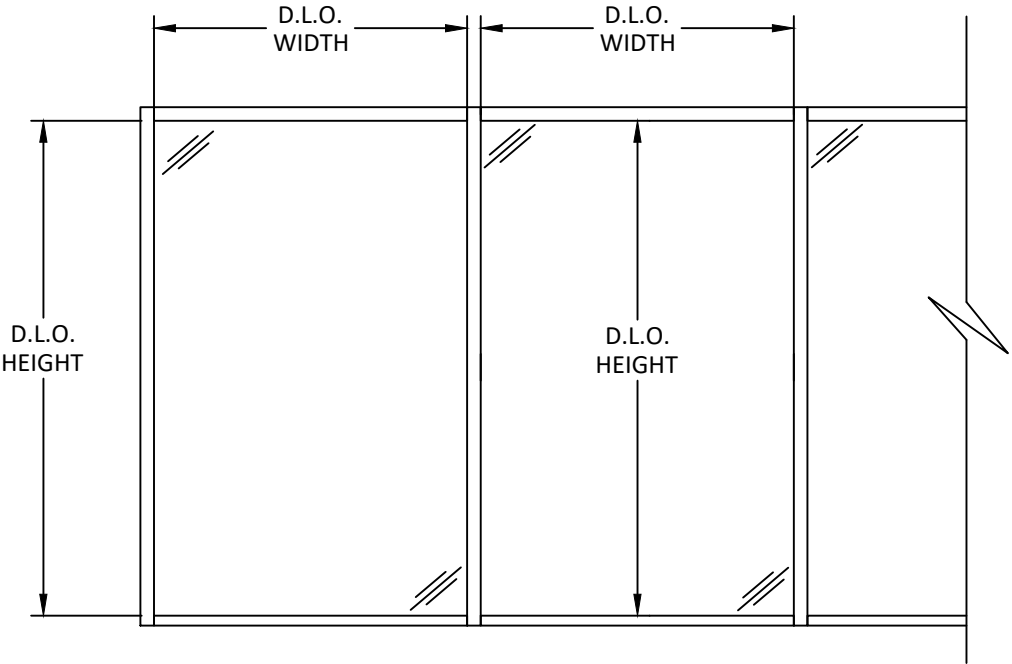
LARGE OR SMALL MISSILE IMPACT

GLASS LOAD CAPACITY TABLE (PSF)			
NOMINAL DIMS.		GLAZING DETAIL 1	
D.L.O. WIDTH (IN)	D.L.O. HEIGHT (IN)	EXT. (+)	INT. (-)
24	49.5	72.0	108.0
30		72.0	108.0
36		72.0	108.0
42		72.0	108.0
48		72.0	108.0
54		72.0	108.0
60		72.0	108.0
66		72.0	108.0
72		72.0	108.0
78		72.0	108.0
84		72.0	108.0
24	55.5	72.0	108.0
30		72.0	108.0
36		72.0	108.0
42		72.0	108.0
48		72.0	108.0
54		72.0	108.0
60		70.1	105.1
66		70.1	105.1
72		70.1	105.1
24	61.5	72.0	108.0
30		72.0	108.0
36		72.0	108.0
42		72.0	108.0
48		72.0	108.0
54		72.0	108.0
60		64.8	97.2
66		63.2	94.8
24	67.5	72.0	108.0
30		72.0	108.0
36		72.0	108.0
42		72.0	108.0
48		72.0	108.0
54		72.0	108.0
60		64.8	97.2
24	73.5	72.0	108.0
30		72.0	108.0
36		72.0	108.0
42		72.0	108.0
48		72.0	108.0
54		72.0	108.0
24	79.5	72.0	108.0
30		72.0	108.0
36		72.0	108.0
42		72.0	108.0
48		72.0	108.0
54		72.0	108.0



GLAZING DETAIL 1

- GLAZING NOTES:
- GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300 (3 SEC. GUSTS) AND CHAPTER 17 OF THE CURRENT FBC FOR SIZES OTHER THAN TESTED.
 - SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
 - SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24.
 - D.L.O. MAY NOT EXCEED MAX DIMENSIONS IN GLASS CHARTS FOR GLASS TYPE.



ARCADIA, INC.
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TITLE: IP1900 ALUMINUM CURTAIN WALL SYSTEM (WZ4) (IMPACT) GLAZING DETAIL & GLASS CAPACITY TABLE

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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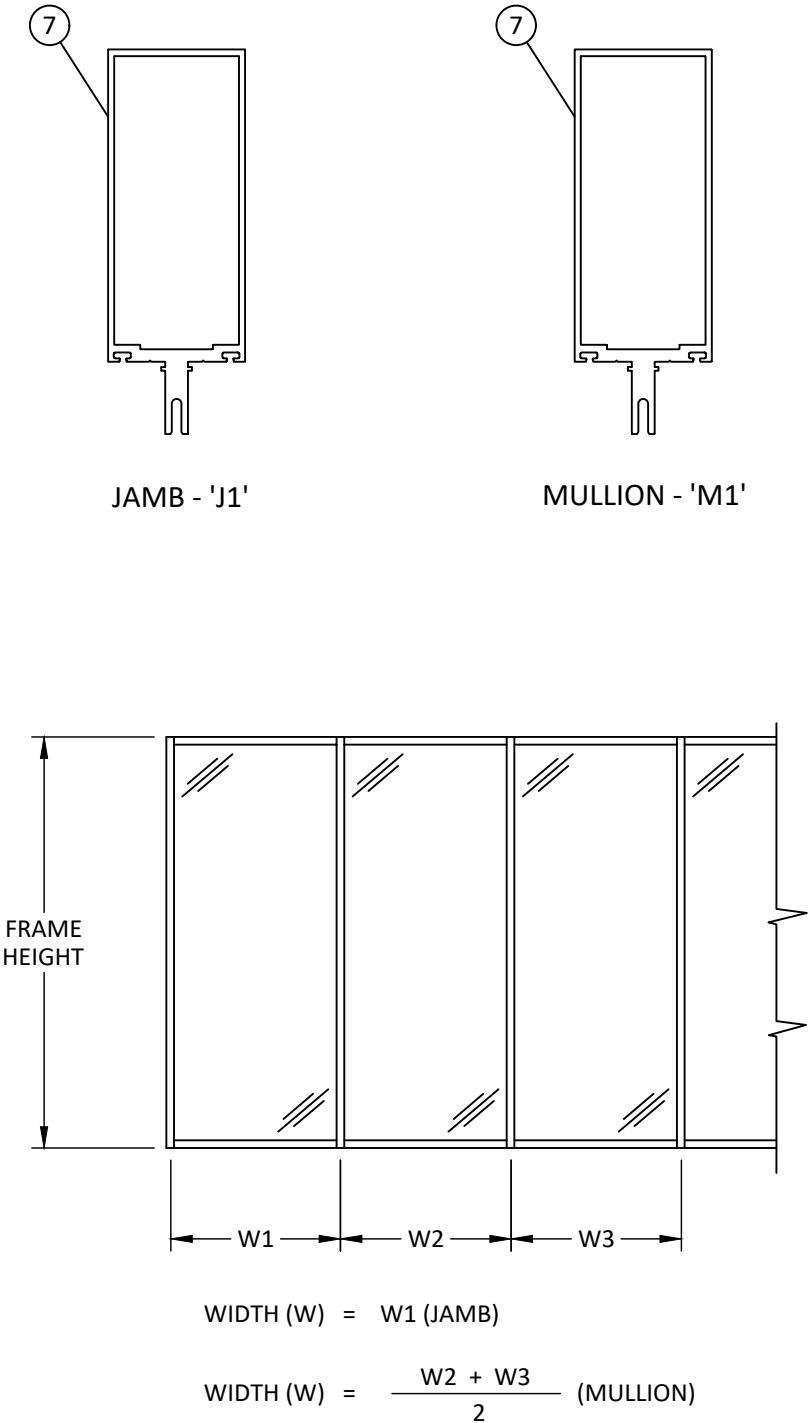
FL #:	FL40952
DATE:	8.22.24
DWG. BY:	CHK. BY:
J.A.	HFN
SCALE:	NTS
DWG. #:	ARC017
SHEET:	

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MULLION CAPACITY TABLE

MULLION LOAD CAPACITY TABLE - SINGLE SPAN (PSF)					
NOMINAL DIMS.		J1		M1	
TRIBUTARY WIDTH (IN)	FRAME HEIGHT (IN)	EXT. (+)	INT. (-)	EXT. (+)	INT. (-)
26.25	54	72.0	108.0	72.0	108.0
32.25		72.0	108.0	72.0	108.0
38.25		72.0	108.0	72.0	108.0
44.25		72.0	108.0	72.0	108.0
50.25		72.0	108.0	72.0	108.0
56.25		72.0	108.0	72.0	108.0
62.25		72.0	108.0	72.0	108.0
68.25		72.0	108.0	72.0	108.0
74.25		72.0	108.0	72.0	108.0
80.25		72.0	108.0	72.0	108.0
86.25		72.0	108.0	72.0	108.0
26.25	60	72.0	108.0	72.0	108.0
32.25		72.0	108.0	72.0	108.0
38.25		72.0	108.0	72.0	108.0
44.25		72.0	108.0	72.0	108.0
50.25		72.0	108.0	72.0	108.0
56.25		72.0	108.0	72.0	108.0
62.25		72.0	108.0	72.0	108.0
68.25		72.0	108.0	72.0	108.0
74.25		72.0	108.0	72.0	108.0
26.25	66	72.0	108.0	72.0	108.0
32.25		72.0	108.0	72.0	108.0
38.25		72.0	108.0	72.0	108.0
44.25		72.0	108.0	72.0	108.0
50.25		72.0	108.0	72.0	108.0
56.25		72.0	108.0	72.0	108.0
62.25		72.0	108.0	72.0	108.0
68.25		72.0	108.0	72.0	108.0
26.25	72	72.0	108.0	72.0	108.0
32.25		72.0	108.0	72.0	108.0
38.25		72.0	108.0	72.0	108.0
44.25		72.0	108.0	72.0	108.0
50.25		72.0	108.0	72.0	108.0
56.25		72.0	108.0	72.0	108.0
62.25		72.0	108.0	72.0	108.0
26.25	78	72.0	108.0	72.0	108.0
32.25		72.0	108.0	72.0	108.0
38.25		72.0	108.0	72.0	108.0
44.25		72.0	108.0	72.0	108.0
50.25		72.0	108.0	72.0	108.0
56.25		72.0	108.0	72.0	108.0
26.25	84	72.0	108.0	72.0	108.0
32.25		72.0	108.0	72.0	108.0
38.25		72.0	108.0	72.0	108.0
44.25		72.0	108.0	72.0	108.0
50.25		72.0	108.0	72.0	108.0
56.25		72.0	108.0	72.0	108.0





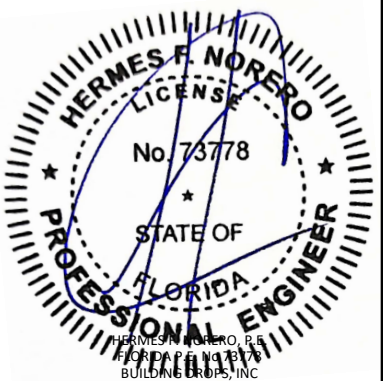
ARCADIA, INC.
2301 East Vernon Ave.
Vernon, CA 90058
(323)771-9819

TITLE: IP1900 ALUMINUM CURTAIN WALL SYSTEM (WZ4) (IMPACT) MULLION CAPACITY TABLES

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

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BUILDING DROPS, INC.
1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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FL #: FL40952

DATE: 8.22.24

DWG. BY: J.A. CHK. BY: HFN

SCALE: NTS

DWG. #: ARC017

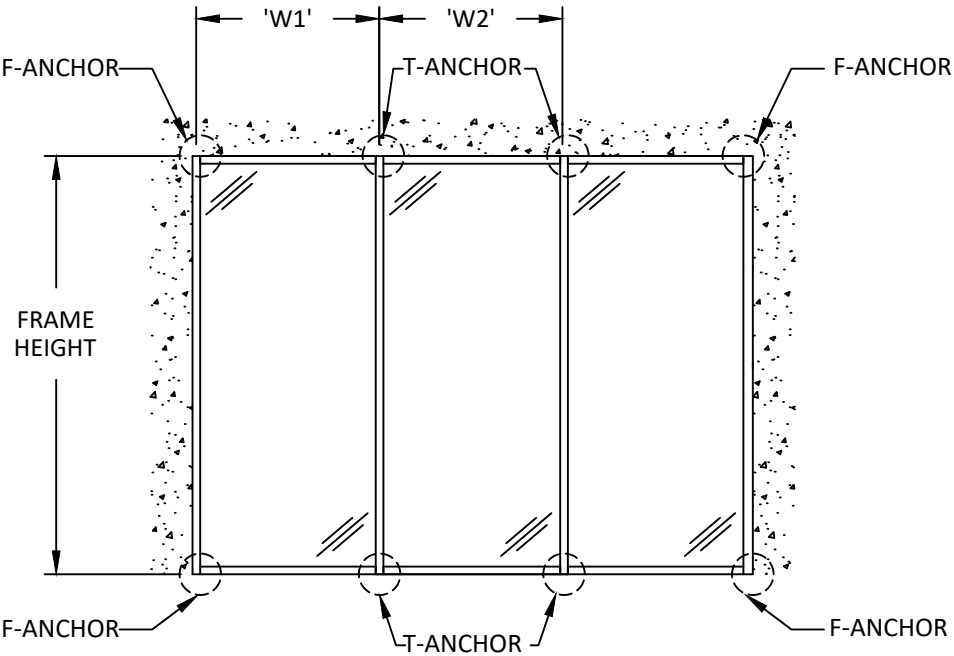
SHEET: 4

F & T ANCHORS

ANCHOR SCHEDULE				
ANCHOR OPTION	ANCHOR TYPE	SUBSTRATE REQUIREMENTS	MIN. EMBEDMENT	MIN. EDGE DISTANCE
A	#14 WOOD SCREW	MIN. S.G. = 0.55 WOOD	1-1/2"	1"
B	1/4" SELF-DRILLING OR SELF-TAPPING SCREW	STEEL: 18 GA. MIN., Fy=33 KSI MIN. ALUM.: 1/8" MIN., 6063-T5 MIN.	THREE THREADS PENETRATION	3/4"
C	1/4" ITW TAPCON	CONCRETE, F'C = 3000 PSI MIN.	1-3/4"	2-1/2"
D		C-90 HOLLOW/FILLED BLOCK, F'M = 2000 PSI MIN.	1"	2-1/2"
E	1/4" DEWALT SCREW-BOLT +	CONCRETE, F'C = 3000 PSI MIN.	2-1/2"	2-3/4"

MULLION SPACING OR BAY WIDTH, 'W', FOR T-ANCHORS	$W = \frac{W1 + W2}{2}$
MULLION SPACING OR BAY WIDTH, 'W', FOR F-ANCHORS AT JAMBS	W = W1

- NOTE:
- ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 - REFER TO ANCHOR LAYOUTS AT RIGHT FOR LOCATIONS AND DETERMINING MAX. LENGTHS (L) AND TRIBUTARY WIDTHS (W).
 - 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.
 - REFER TO SHEET 8 FOR T & F ANCHOR TYPE CAPACITIES.



SINGLE SPAN ANCHOR LAYOUT

WIDTH (W) = W1 (JAMB)

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



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TITLE: IP1900 ALUMINUM CURTAIN WALL SYSTEM (WZ4) (IMPACT)

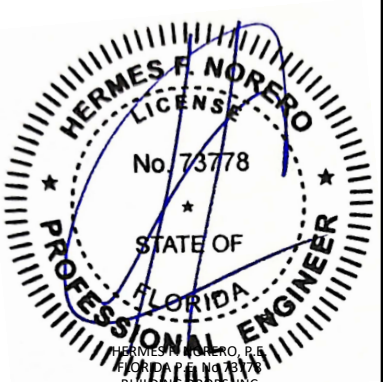
ANCHOR SCHEDULE & LAYOUT

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FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL40952

DATE:

8.22.24

DWG. BY:

J.A.

CHK. BY:

HFN

SCALE:

NTS

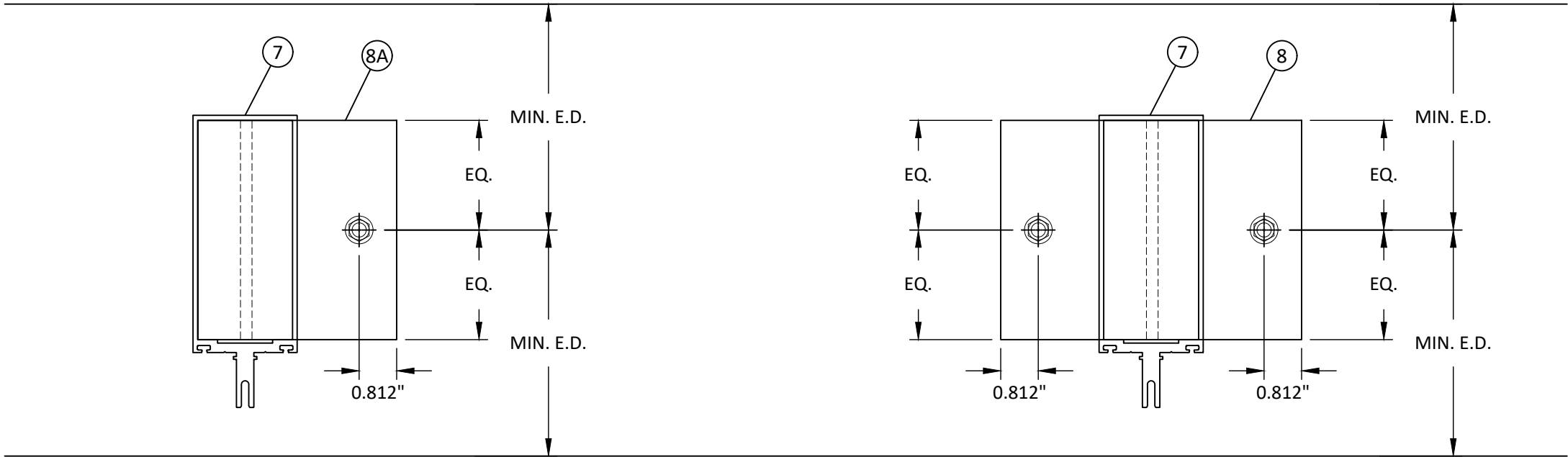
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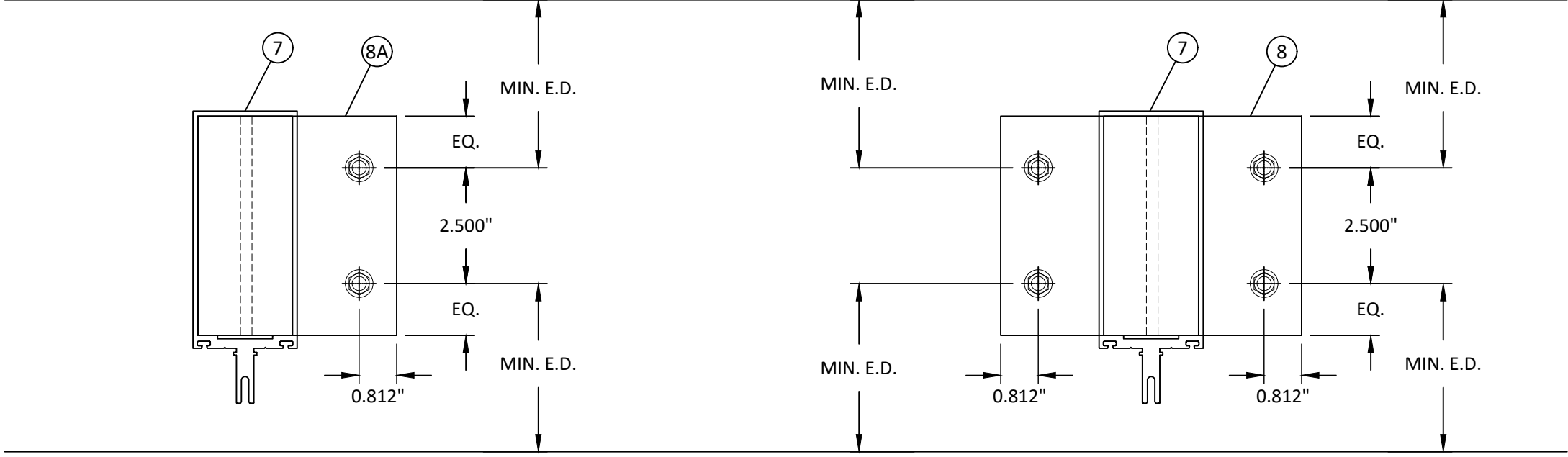
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A
6 **HORIZONTAL SECTION**
F-ANCHOR
CONFIG 1

B
6 **HORIZONTAL SECTION**
T-ANCHOR
CONFIG 1



C
6 **HORIZONTAL SECTION**
F-ANCHOR
CONFIG 2

D
6 **HORIZONTAL SECTION**
T-ANCHOR
CONFIG 2



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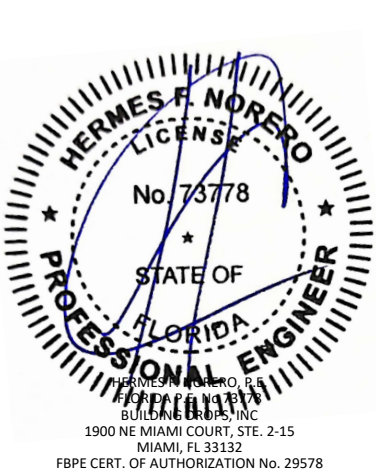
TITLE: IP1900 ALUMINUM
CURTAIN WALL SYSTEM
(WZ4) (IMPACT)
ANCHOR DETAILS

PREPARED BY:
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1900 NE MIAMI COURT, STE. 2-15
MIAMI, FL 33132
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DWG. #: **ARC017**

SHEET:
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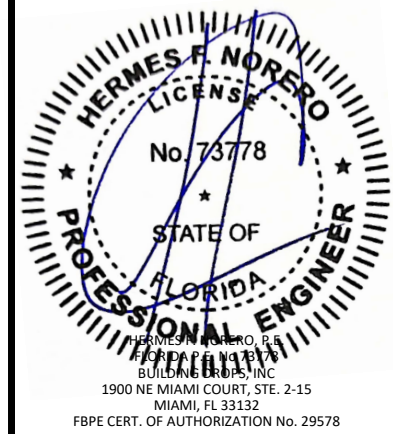
TITLE: IP1900 ALUMINUM CURTAIN WALL SYSTEM (WZ4) (IMPACT) ANCHOR DETAILS

PREPARED BY: BUILDING DROPS, INC.
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MIAMI, FL 33132
PH: (954)399-8478
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WEB: www.buildingdrops.com



REMARKS	BY	DATE

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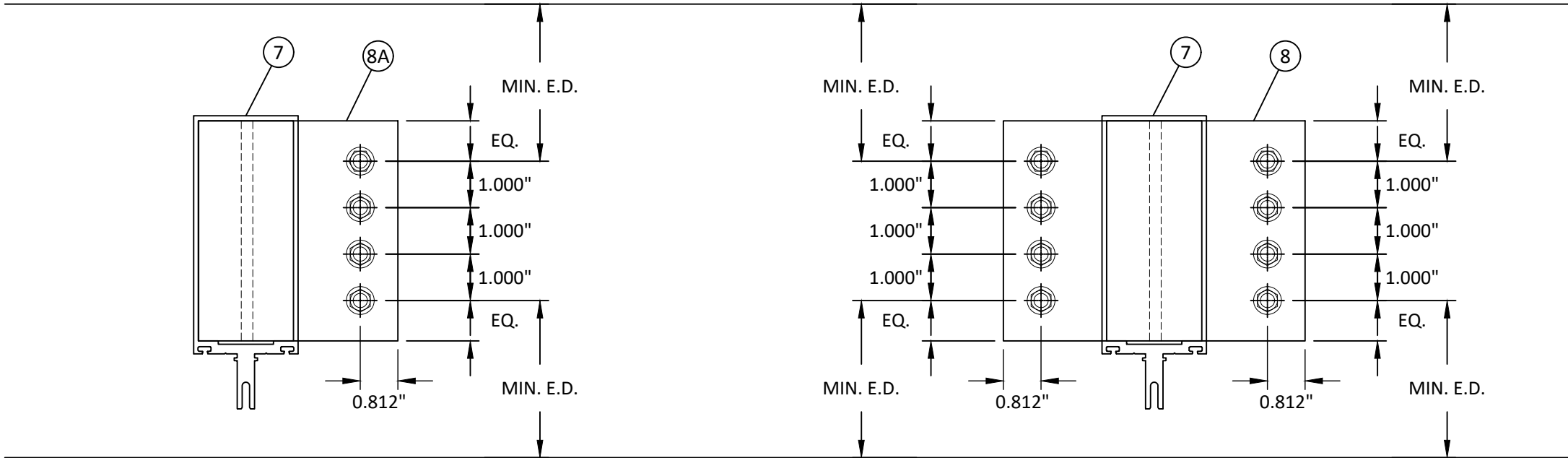
DATE: 8.22.24

DWG. BY: J.A.	CHK. BY: HFN
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SCALE: NTS

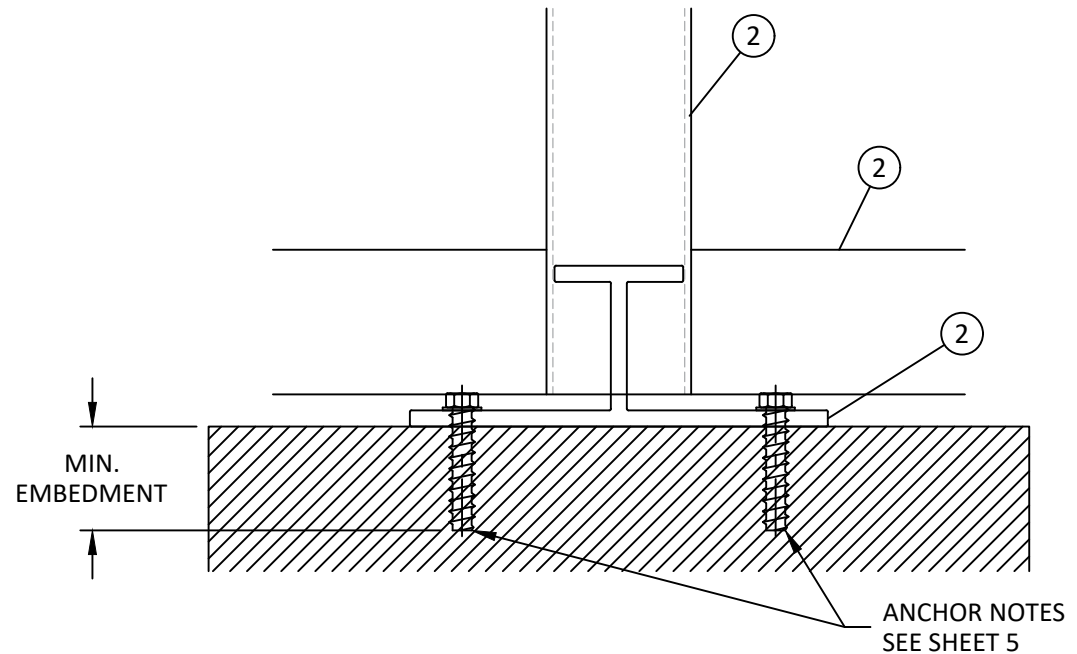
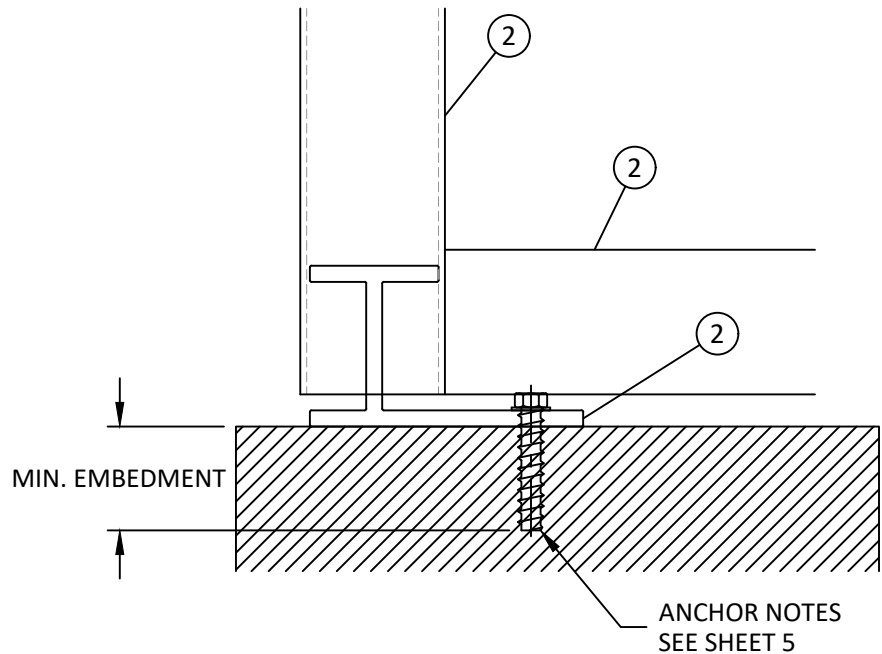
DWG. #: ARC017

SHEET: 7 OF 11



A HORIZONTAL SECTION
7 F-ANCHOR CONFIG 3

B HORIZONTAL SECTION
7 T-ANCHOR CONFIG 3



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ANCHOR CAPACITY TABLE

ANCHOR LOAD CAPACITY TABLE (PSF)													
NOMINAL DIMS.		ANCHOR TYPE 'A'			ANCHOR TYPE 'B'			ANCHOR TYPE 'C'		ANCHOR TYPE 'D'		ANCHOR TYPE 'E'	
TRIBUTARY WIDTH (IN)	FRAME HEIGHT (IN)	CONFIG. 1	CONFIG. 2	CONFIG. 3	CONFIG. 1	CONFIG. 2	CONFIG. 3	CONFIG. 1	CONFIG. 2	CONFIG. 1	CONFIG. 2	CONFIG. 1	CONFIG. 2
26.25	54	93.5	108.0	108.0	108.0	108.0	108.0	108.0	108.0	69.1	108.0	108.0	108.0
32.25		76.1	108.0	108.0	108.0	108.0	108.0	108.0	108.0	56.2	96.4	108.0	108.0
38.25		64.2	108.0	108.0	91.8	108.0	108.0	100.5	108.0	47.4	81.3	108.0	108.0
44.25		55.5	108.0	108.0	79.4	108.0	108.0	86.9	108.0	41.0	70.3	107.0	108.0
50.25		48.8	97.7	108.0	69.9	108.0	108.0	76.5	108.0	36.1	61.9	94.3	108.0
56.25		43.6	87.3	108.0	62.4	108.0	108.0	68.4	108.0	32.2	55.3	84.2	108.0
62.25		39.4	78.9	108.0	56.4	108.0	108.0	61.8	106.8	29.1	50.0	76.1	108.0
68.25		36.0	71.9	108.0	51.4	102.9	108.0	56.3	97.5	26.6	45.6	69.4	108.0
74.25		33.1	66.1	108.0	47.3	94.6	108.0	51.8	89.6	24.4	41.9	63.8	101.5
80.25		30.6	61.2	108.0	43.8	87.5	108.0	47.9	82.9	22.6	38.8	59.0	93.9
86.25		28.5	56.9	108.0	40.7	81.4	108.0	44.6	77.1	21.0	36.1	54.9	87.3
26.25	60	84.2	108.0	108.0	108.0	108.0	108.0	108.0	108.0	62.2	106.6	108.0	108.0
32.25		68.5	108.0	108.0	98.0	108.0	108.0	107.3	108.0	50.6	86.8	108.0	108.0
38.25		57.8	108.0	108.0	82.6	108.0	108.0	90.5	108.0	42.7	73.2	108.0	108.0
44.25		49.9	99.8	108.0	71.4	108.0	108.0	78.2	108.0	36.9	63.3	96.3	108.0
50.25		44.0	87.9	108.0	62.9	108.0	108.0	68.9	108.0	32.5	55.7	84.8	108.0
56.25		39.3	78.5	108.0	56.2	108.0	108.0	61.5	106.4	29.0	49.8	75.8	108.0
62.25		35.5	71.0	108.0	50.8	101.5	108.0	55.6	96.2	26.2	45.0	68.5	108.0
68.25		32.4	64.7	108.0	46.3	92.6	108.0	50.7	87.7	23.9	41.0	62.5	99.3
74.25		29.8	59.5	108.0	42.6	85.1	108.0	46.6	80.6	22.0	37.7	57.4	91.3
26.25	66	76.5	108.0	108.0	108.0	108.0	108.0	108.0	108.0	56.5	96.9	108.0	108.0
32.25		62.3	108.0	108.0	89.1	108.0	108.0	97.5	108.0	46.0	78.9	108.0	108.0
38.25		52.5	105.0	108.0	75.1	108.0	108.0	82.2	108.0	38.8	66.5	101.3	108.0
44.25		45.4	90.8	108.0	64.9	108.0	108.0	71.1	108.0	33.5	57.5	87.6	108.0
50.25		40.0	79.9	108.0	57.2	108.0	108.0	62.6	108.0	29.5	50.6	77.1	108.0
56.25		35.7	71.4	108.0	51.1	102.2	108.0	55.9	96.7	26.4	45.2	68.9	108.0
62.25		32.3	64.5	108.0	46.2	92.3	108.0	50.5	87.4	23.8	40.9	62.3	99.0
68.25		29.4	58.9	108.0	42.1	84.2	108.0	46.1	79.7	21.7	37.3	56.8	90.3
26.25	72	70.1	108.0	108.0	100.3	108.0	108.0	108.0	108.0	51.8	88.9	108.0	108.0
32.25		57.1	108.0	108.0	81.7	108.0	108.0	89.4	108.0	42.2	72.3	108.0	108.0
38.25		48.1	96.3	108.0	68.9	108.0	108.0	75.4	108.0	35.6	61.0	92.9	108.0
44.25		41.6	83.2	108.0	59.5	108.0	108.0	65.2	108.0	30.7	52.7	80.3	108.0
50.25		36.6	73.3	108.0	52.4	104.8	108.0	57.4	99.3	27.1	46.4	70.7	108.0
56.25		32.7	65.5	108.0	46.8	93.6	108.0	51.3	88.7	24.2	41.5	63.2	100.4
62.25		29.6	59.1	108.0	42.3	84.6	108.0	46.3	80.1	21.8	37.5	57.1	90.8
26.25	78	64.7	108.0	108.0	92.6	108.0	108.0	101.4	108.0	47.8	82.0	108.0	108.0
32.25		52.7	105.4	108.0	75.4	108.0	108.0	82.5	108.0	38.9	66.8	101.7	108.0
38.25		44.4	88.9	108.0	63.6	108.0	108.0	69.6	108.0	32.8	56.3	85.7	108.0
44.25		38.4	76.8	108.0	54.9	108.0	108.0	60.2	104.1	28.4	48.7	74.1	108.0
50.25		33.8	67.6	108.0	48.4	96.8	108.0	53.0	91.6	25.0	42.8	65.3	103.8
56.25	84	30.2	60.4	108.0	43.2	86.4	108.0	47.3	81.9	22.3	38.3	58.3	92.7
26.25		60.1	108.0	108.0	86.0	108.0	108.0	94.2	108.0	44.4	76.2	108.0	108.0
32.25		48.9	97.9	108.0	70.0	108.0	108.0	76.6	108.0	36.1	62.0	94.4	108.0
38.25		41.3	82.5	108.0	59.0	108.0	108.0	64.6	108.0	30.5	52.3	79.6	108.0
44.25		35.7	71.3	108.0	51.0	102.0	108.0	55.9	96.6	26.3	45.2	68.8	108.0
50.25		31.4	62.8	108.0	44.9	89.8	108.0	49.2	85.1	23.2	39.8	60.6	96.4
56.25		28.1	56.1	108.0	40.1	80.3	108.0	43.9	76.0	20.7	35.5	54.1	86.1

NOTE: REFER TO SHEETS 6 & 7 FOR ANCHOR CONFIGURATION DETAILS.



ARCADIA, INC.
2301 East Vernon Ave.
Vernon, CA 90058
(323)771-9819

TITLE: IP1900 ALUMINUM CURTAIN WALL SYSTEM (WZ4) (IMPACT)
ANCHOR CAPACITY TABLE

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

FL #:

FL40952

DATE: 8.22.24

DWG. BY: J.A.

CHK. BY: HFN

SCALE: NTS

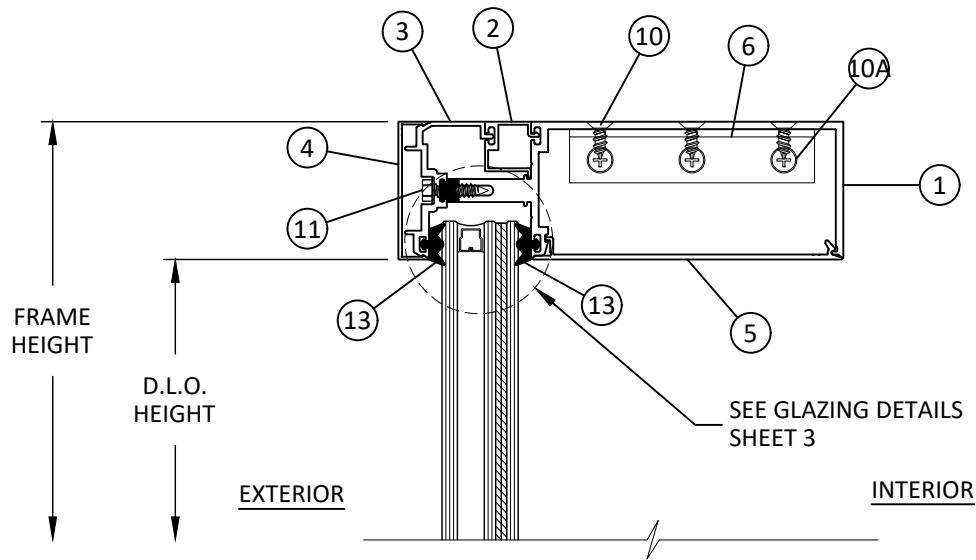
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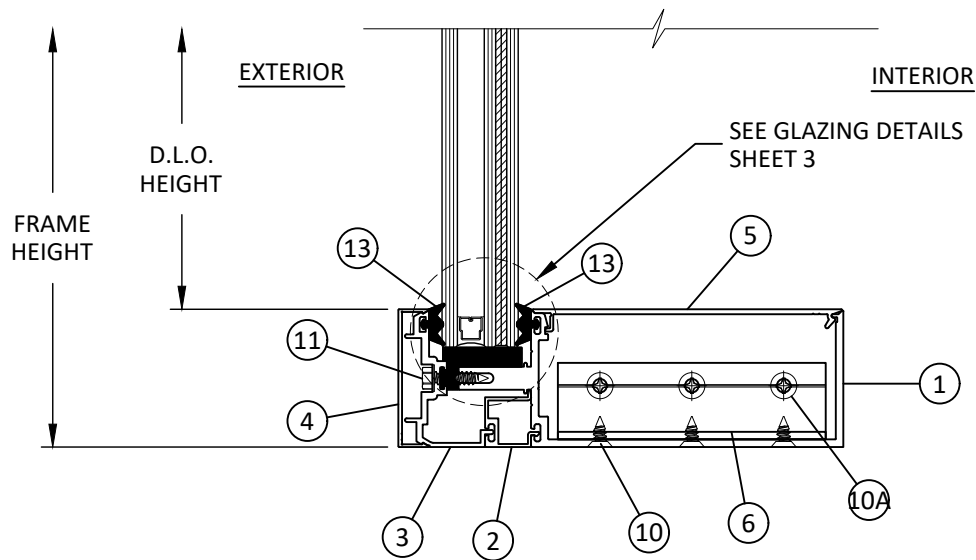
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OF 11

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A
9 **VERTICAL SECTION**
HEAD



B
9 **VERTICAL SECTION**
SILL



ARCADIA, INC.
2301 East Vernon Ave.
Vernon, CA 90058
(323)771-9819

TITLE: **IP1900 ALUMINUM
CURTAIN WALL SYSTEM
(WZ4) (IMPACT)**
VERTICAL SECTIONS

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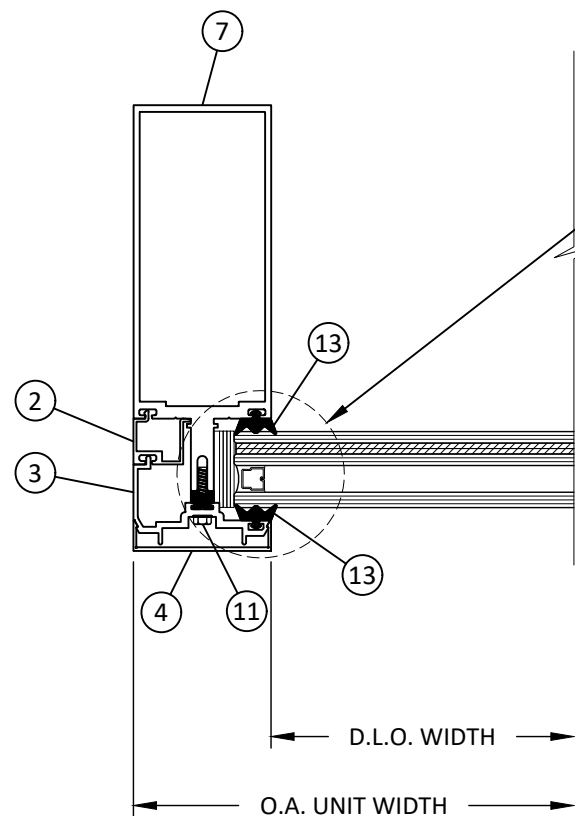
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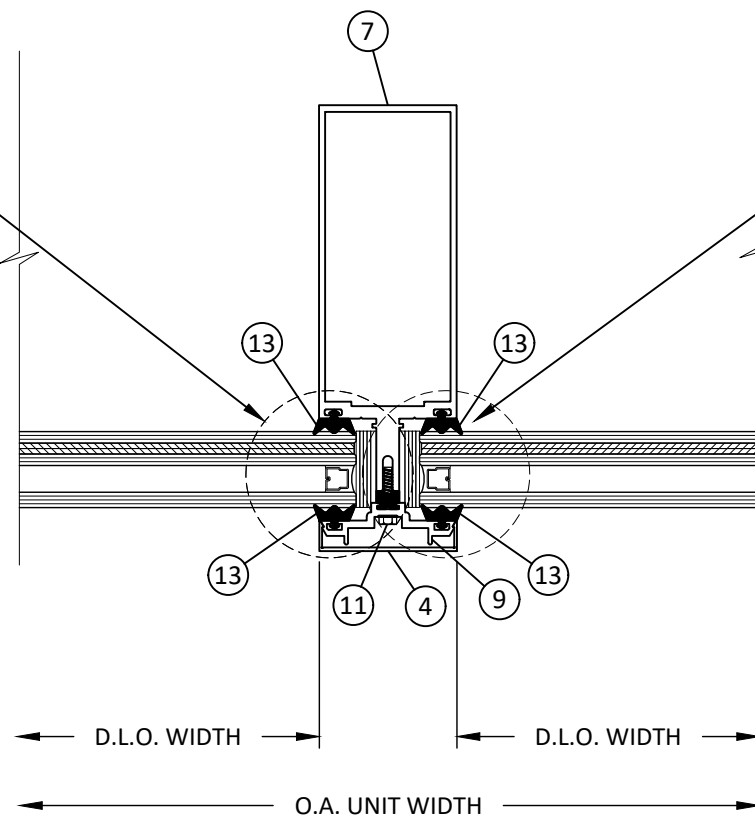


FL #:		FL40952	
DATE:		8.22.24	
DWG. BY:		CHK. BY:	
J.A.		HFN	
SCALE:		NTS	
DWG. #:		ARC017	
SHEET:			

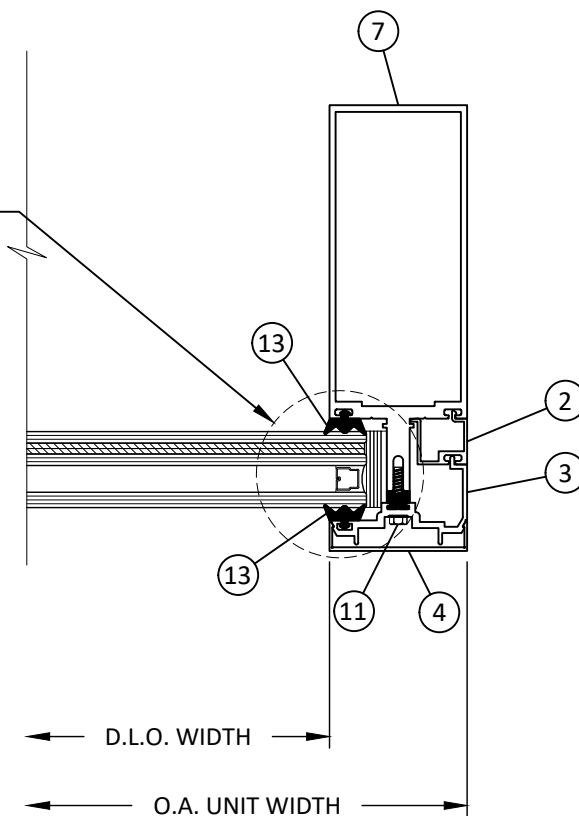
c:\users\sebastianherrerros\building drops, inc\building drops, inc\fb-c24-0824.2 - fbc submittal - series ip1900 curtain wall system (wz4) dwgs\arc017.dwg 8/26/2024 10:29 AM



A
10 **HORIZONTAL SECTION**
JAMB



B
10 **HORIZONTAL SECTION**
MULLION



C
10 **HORIZONTAL SECTION**
JAMB



ARCADIA, INC.
2301 East Vernon Ave.
Vernon, CA 90058
(323)771-9819

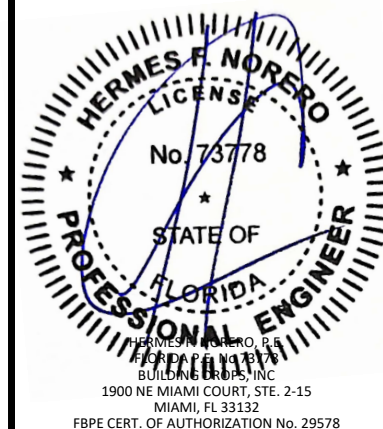
TITLE: IP1900 ALUMINUM
CURTAIN WALL SYSTEM
(WZ4) (IMPACT)
HORIZONTAL SECTIONS

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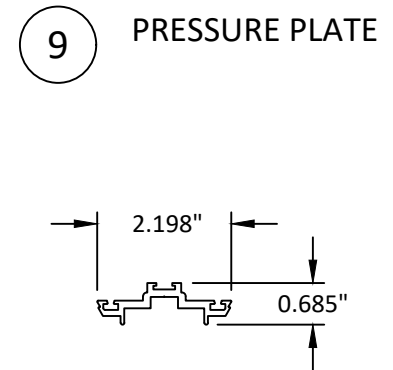
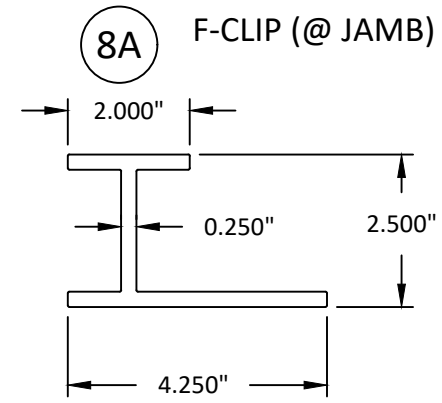
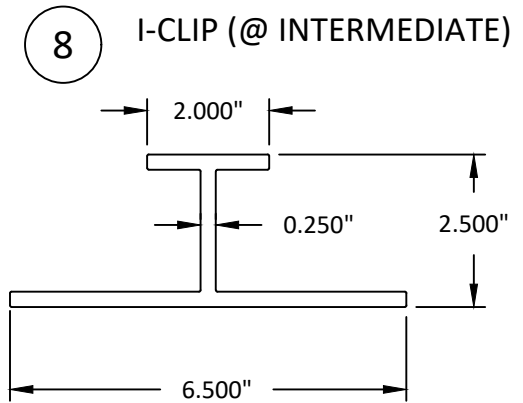
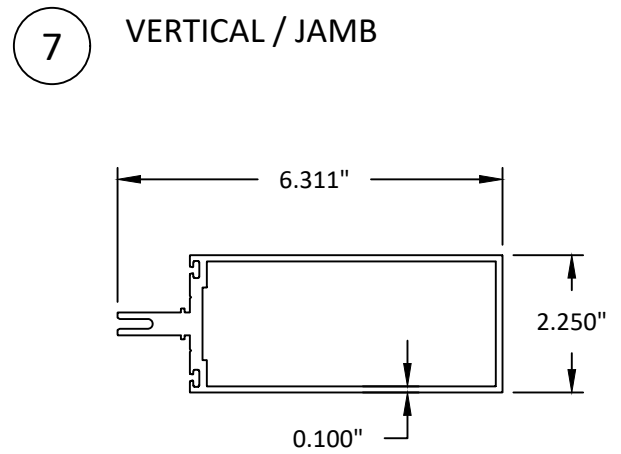
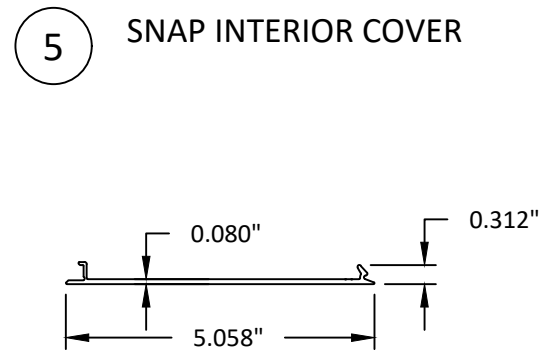
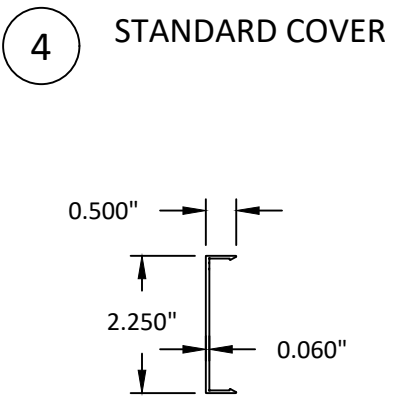
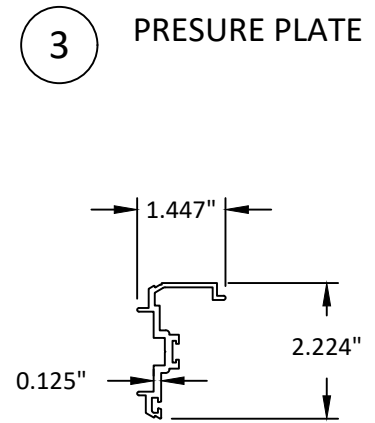
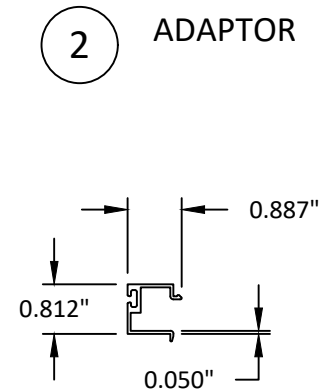
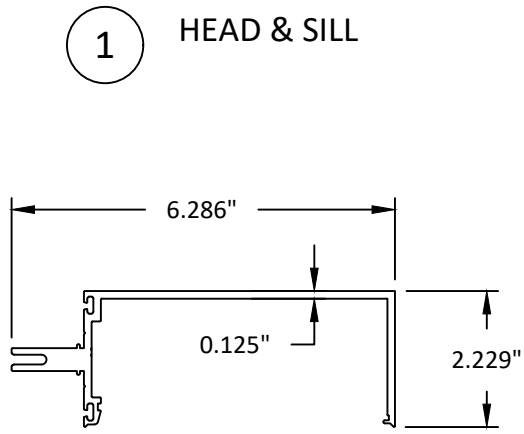
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DWG. #:	ARC017
SHEET:	10

BILL OF MATERIALS			
ITEM	PART No.	DESCRIPTION	MATERIAL
1	OPG-1978	HEAD & SILL	6063-T6
2	OPG-1989	ADAPTOR	6063-T6
3	OPG-0299	PRESURE PLATE	6063-T6
4	OPG-1912	STANDARD COVER	6063-T6
5	OPG-1901	SNAP INTERIOR COVER	6063-T6
6	OPG-1999.4	CLIP	6063-T6
7	OPG-1910	VERTICAL/JAMB	6063-T6
8	OPG-1551	I-CLIP (@ INTERMEDIATE)	6063-T6
8A	OPG-1551	F-CLIP (@ JAMB)	6063-T6
9	OPG-0292	PRESSURE PLATE	6063-T6
10		#12 x 1/2" FLAT HEAD S.M.S.	
10A		#12 x 1/2" PAN HEAD S.M.S.	
10B		#10 x 1" FLAT HEAD S.M.S.	
11	OPG2087HS	#12 x 7/8" H.W.H. THREAD-CUTTING	6063-T6
12		ANTI-WALK BLOCKS @ 1/4 POINTS	6063-T6
13	OPG- 1299	GASKET	NYLON
14		SETTING BLOCK (5/16" x 1 5/16" x 4")	
15	OPG-1986	PRESSURE PLATE ISOLATOR	
16	-	-	-
17	OPGUCH.3	CLIP	6063-T6
18	-	-	-
19		1/2"-13 BOLT	STEEL
20		1/2"-13 NUT	STEEL
21		1/2" LOCK WASHER	STEEL
22		1/2" FLAT WASHER	STEEL





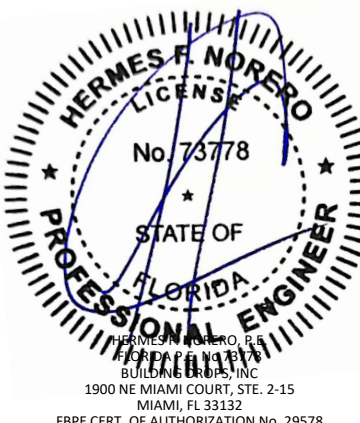
ARCADIA, INC.
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TITLE: IP1900 ALUMINUM CURTAIN WALL SYSTEM (WZ4) (IMPACT)

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

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OF 11