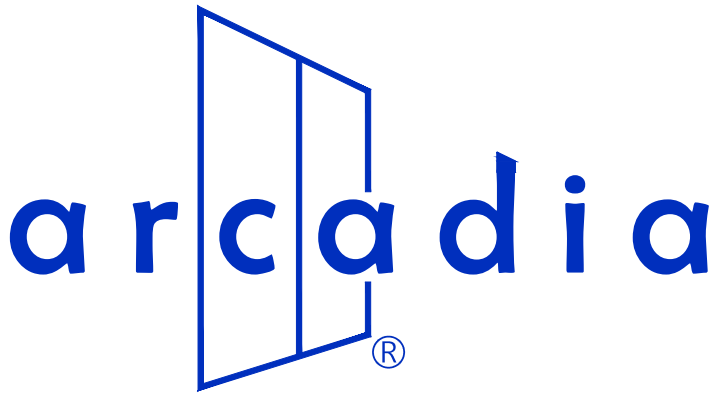




ARCADIA INC.

IP1900

Curtain Wall System

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN, UNLESS OTHERWISE STATED.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBERS OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
- INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITH OUT CONSIDERATION OF TOLERANCE). TOLERANCE ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- REFER TO SECTION 6 & 7 FOR ANCHOR TYPE, SUBSTRATE STRENGTH, EMBEDMENT, & EDGE DISTANCE REQUIREMENTS. FOLLOW MANUFACTURER INSTALLATION INSTRUCTIONS FOR INSTALLATION OF ANCHORS.
- MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
- INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
 - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
 - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).
- 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. ADHESIVE ANCHORS MUST BE INSTALLED BY PERSONNEL CERTIFIED FOR THE SPECIFIED ANCHOR INSTALLATION.

INSTRUCTIONS:

USE CHARTS AS FOLLOW

- | | |
|---------|---|
| 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 5 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE. |
| STEP 3. | CHECK MULLION CAPACITY FOR A GIVEN SPACING, HEIGHT, SINGLE SPAN, TWIN SPAN, MULTIPLE SPANS AND CORNERS ON SECTION 3 & 4. |
| STEP 4. | USING HEAD/SILL ANCHOR DETAILS, SELECT ANCHOR OPTION FROM TABLES ON SECTION 6 & 7 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 7. |
| STEP 6. | THE LOWEST VALUE RESULTING FROM STEPS 2, 3, 4 AND 5 SHALL APPLY TO ENTIRE SYSTEM. |

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT EDITION OF THE FLORIDA BUILDING CODE (FBC), **EXCLUDING** REQUIREMENTS FOR HVHZ
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY , 2X AND STEEL STUD 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.
- 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND THE INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITION CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN , A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- THIS PRODUCT **DOES NOT** REQUIRE IMPACT PROTECTIVE DEVICES IN WIND ZONE 3 OR LESS.
- THIS PRODUCT **DOES** REQUIRE IMPACT PROTECTIVE DEVICES IN WIND ZONE 4.
- MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS, THAT COME INTO CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE CURRENT FLORIDA BUILDING CODE.

TABLE OF CONTENTS	
SECTION	SECTION DESCRIPTION
1	COVER SHEET & GENERAL NOTES
2	ELEVATION
3	VERTICAL SECTIONS
4	HORIZONTAL SECTIONS
5	GLAZING DETAILS
6	ANCHOR DETAILS
7	WIND LOAD ANCHOR DETAILS
8	COMPONENTS & BILL OF MATERIALS



ARCADIA, INC.
2301 EAST VERNON AVE.
VERNON, CA 90058
(323)771-9819

TITLE: IP1900
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)
COVER SHEET & GENERAL NOTES

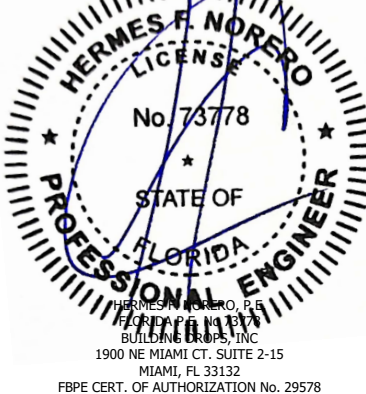
PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



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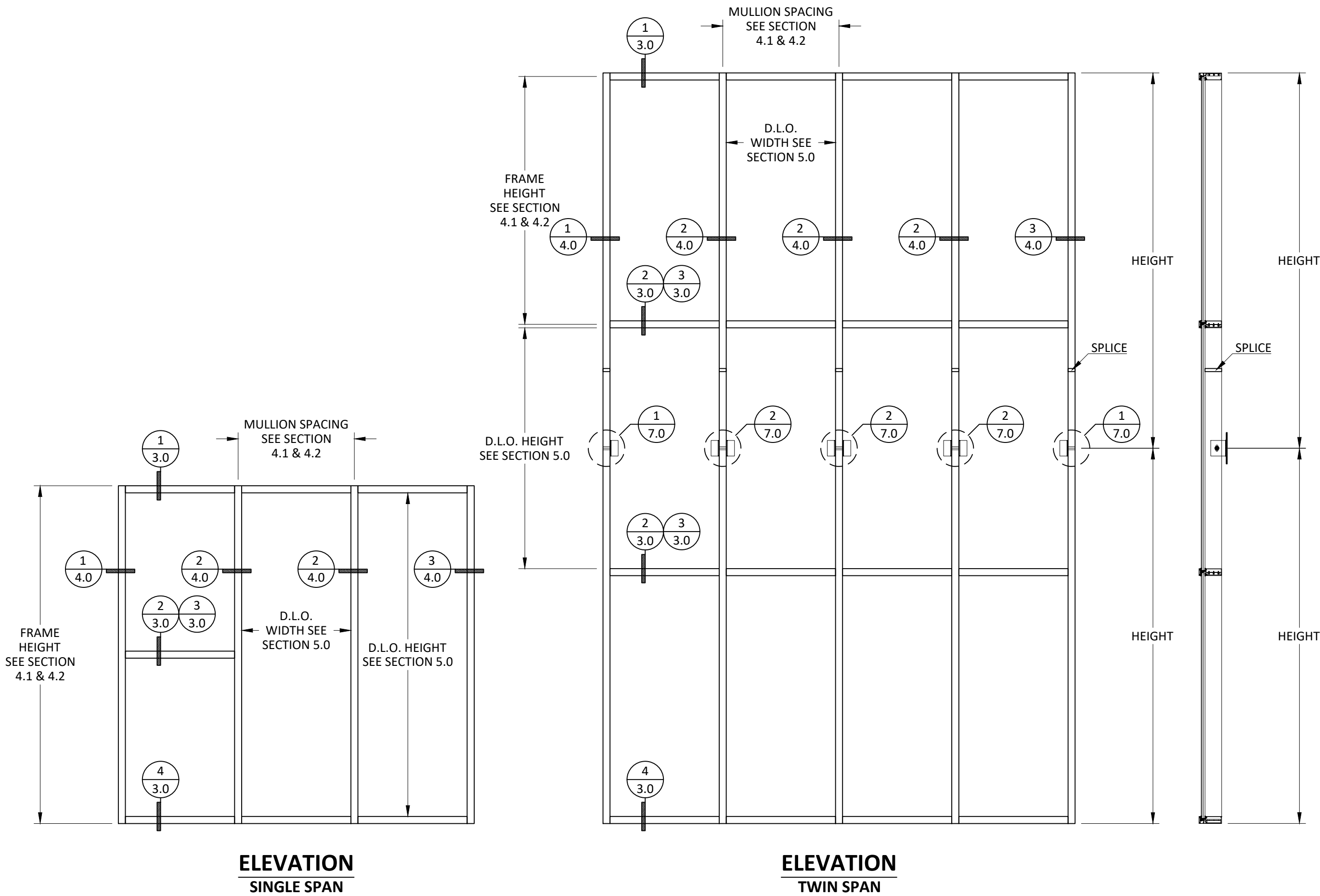
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Reason: I am approving this document
Date: 2026.10.05 17:12:44 -07'00'



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DATE:		2.01.22
DWG. BY:	CHK. BY:	
R.P.	HFN	
SCALE:		NTS
DWG. #:		ARC002
SECTION:	REV.	
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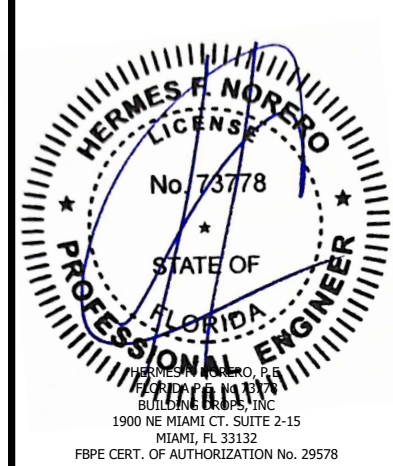
TITLE:
IP1900
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)
ELEVATIONS

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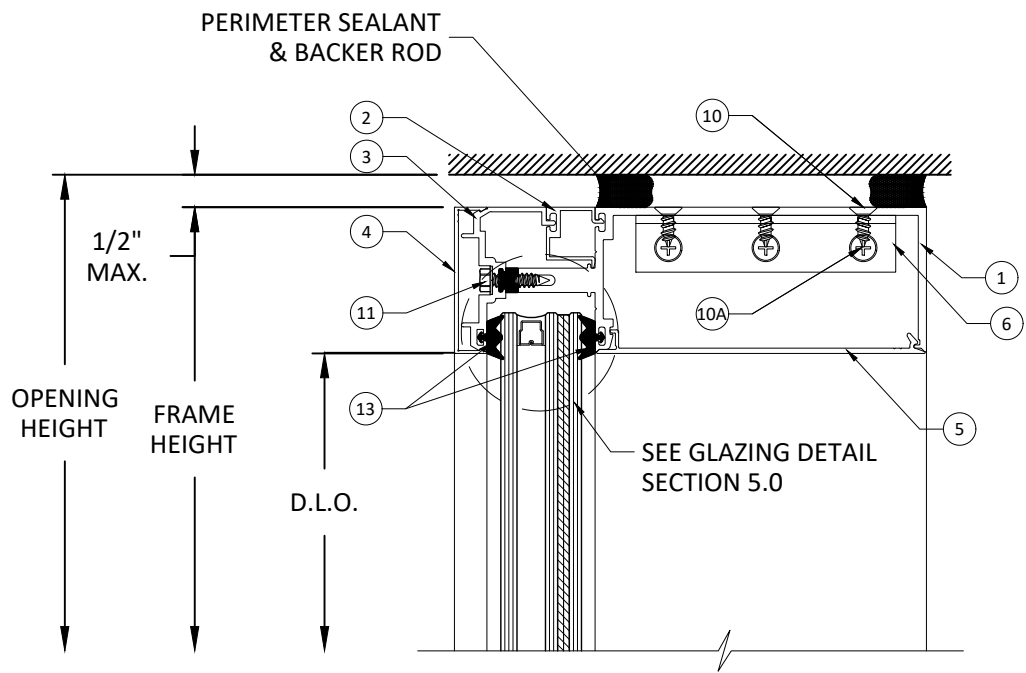
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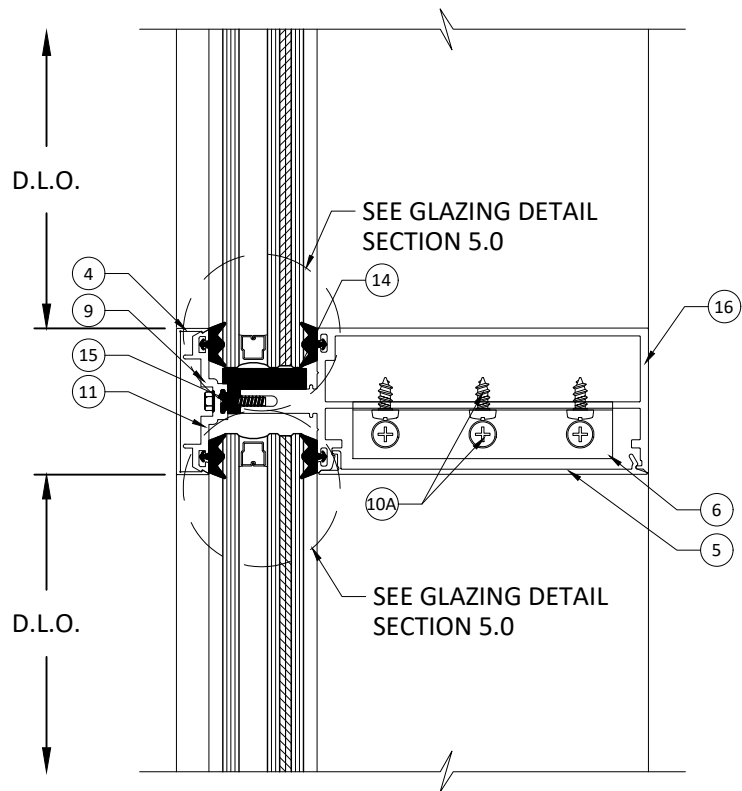


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DWG. #:		ARC002
SECTION:	REV.	
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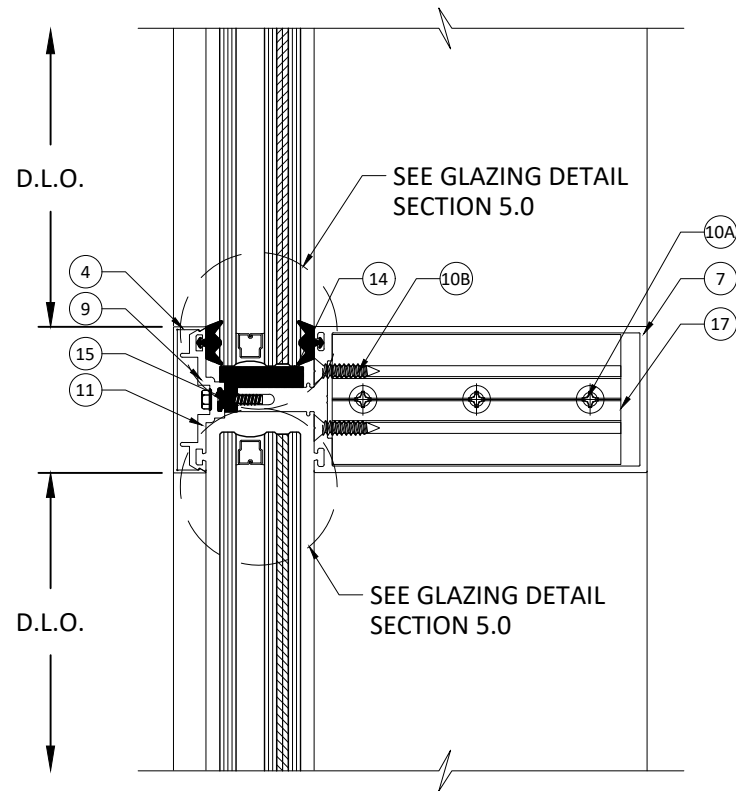
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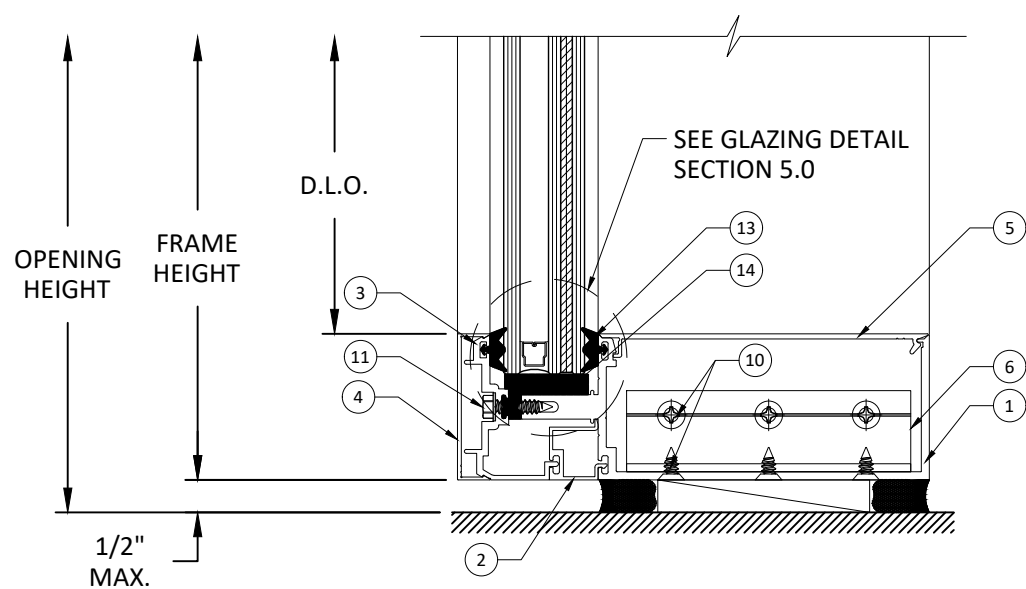
1
3.0 VERTICAL SECTION
HEAD



2
3.0 VERTICAL SECTION
HORIZONTAL



3
3.0 VERTICAL SECTION
HORIZONTAL



4
3.0 VERTICAL SECTION
SILL



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TITLE:
IP1900
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)
VERTICAL SECTIONS

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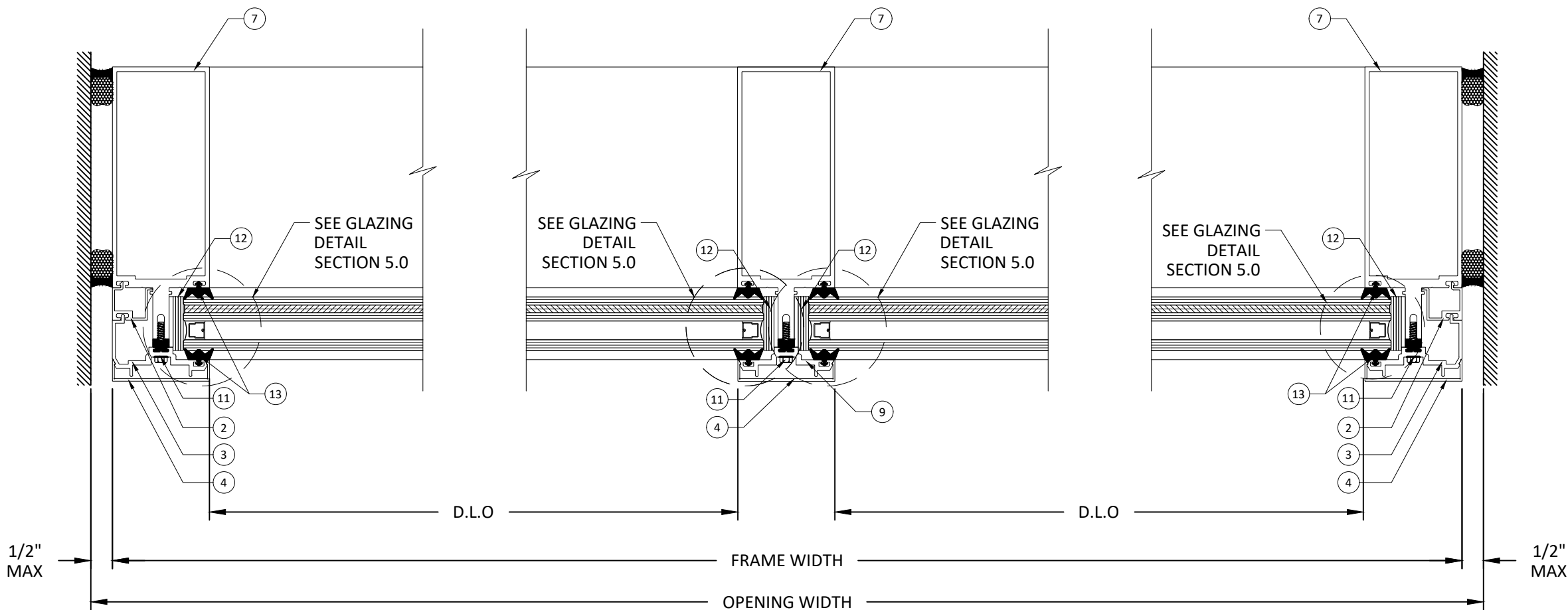
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1 HORIZONTAL SECTION
4.0 JAMB

2 HORIZONTAL SECTION
4.0 MULLION

3 HORIZONTAL SECTION
4.0 JAMB



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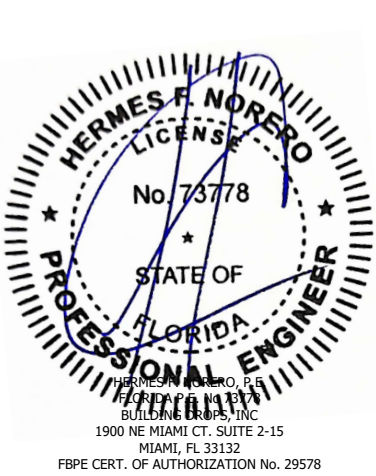
TITLE:
IP1900
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)
HORIZONTAL SECTIONS

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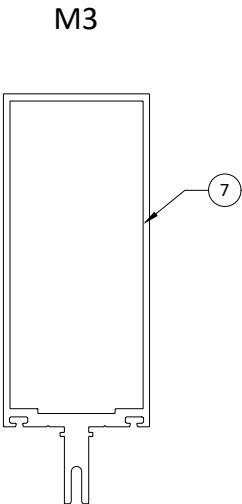
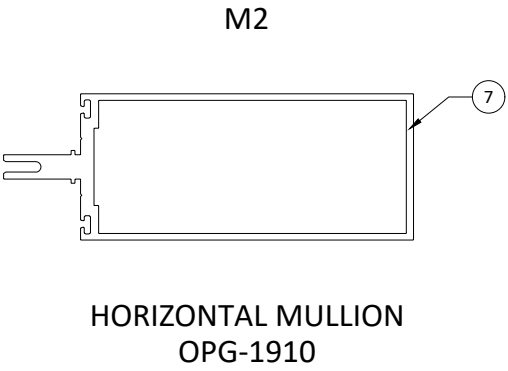
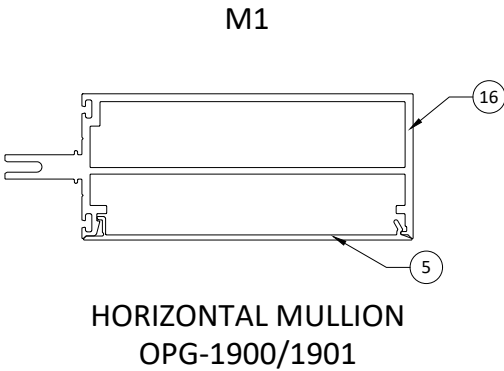
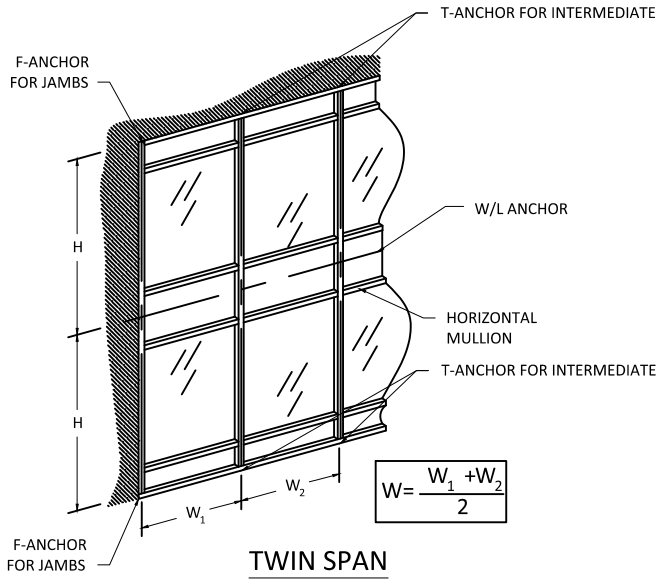
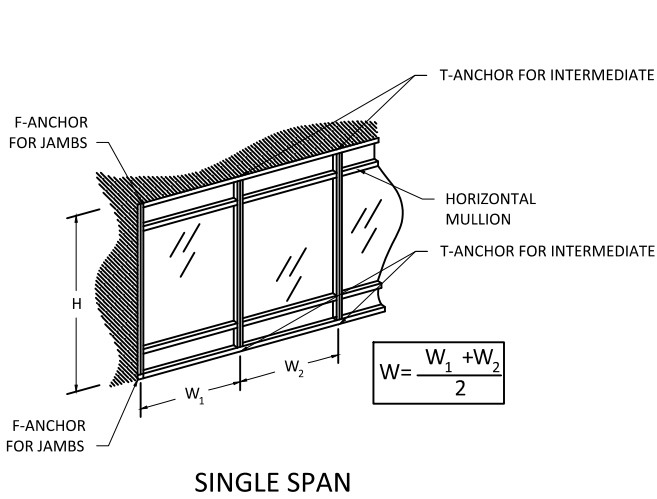
DWG. #: **ARC002**

SECTION: **4.0** REV. **A**

MULLION CAPACITY CHARTS

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

REFER TO SECTION 4.1 & 4.2
FOR MULLION CAPACITY TABLE.



DESIGN PRESSURE TABLE (PSF) - HORIZONTAL MULLION			
BAY HEIGHT (IN)	SPAN LENGTH (IN)	M1 & M2	
		EXT. (+)	INT. (-)
96	36	90.0	108.0
96	39	90.0	93.2
96	42	74.6	74.6
96	45	60.7	60.7
96	48	50.0	50.0



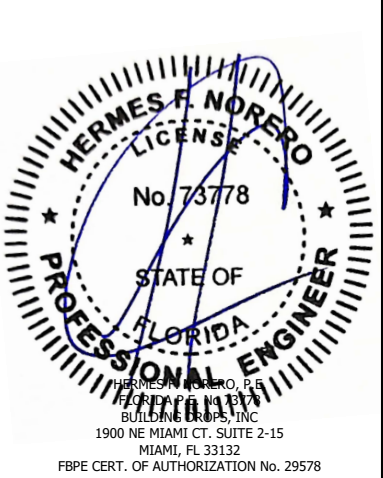
ARCADIA, INC.
2301 EAST VERNON AVE.
VERNON, CA 90058
(323)771-9819

TITLE:
IP1900
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)
MULLION CAPACITY CHARTS

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BUILDING DROPS, INC.
1900 NE MIAMI CT., SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL40952

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CHK. BY:
HFN

SCALE:
NTS

DWG. #:
ARC002

SECTION:
4.1

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VERTICAL MULLION CAPACITY CHARTS

DESIGN PRESSURE TABLE (PSF) - SINGLE SPAN		
TRIBUTARY WIDTH (IN)	SPAN HEIGHT (IN)	M3 EXT. (+) INT. (-)
36	72	108.0
42		108.0
48		108.0
54		108.0
60		108.0
66		108.0
72		108.0
36	78	108.0
42		108.0
48		108.0
54		108.0
60		108.0
66		108.0
72		100.3
36	84	108.0
42		108.0
48		108.0
54		108.0
60		103.8
66		94.3
72		86.5
36	90	108.0
42		108.0
48		108.0
54		100.4
60		90.4
66		82.2
72		75.3
36	96	108.0
42		108.0
48		99.3
54		88.3
60		79.4
66		72.2
72		66.2
36	102	108.0
42		100.5
48		88.0
54		78.2
60		70.4
66		64.0

DESIGN PRESSURE TABLE (PSF) - SINGLE SPAN		
TRIBUTARY WIDTH (IN)	SPAN HEIGHT (IN)	M3 EXT. (+) INT. (-)
36	108	104.6
42		89.7
48		78.5
54		69.7
60		62.8
36		93.9
42	114	80.5
48		70.4
54		62.6
60		56.3
36	120	84.7
42		72.6
48		63.6
54		56.5
36	126	74.3
42		63.7
48		55.7
54		49.6
36	132	64.6
42		55.4
48		48.5
36	138	56.6
42		48.5
48		42.4
36	144	49.8
42		42.7
48		37.3
36	150	44.1
42		37.8
36	156	39.2
42		33.6

DESIGN PRESSURE TABLE (PSF) - TWIN SPAN			
TRIBUTARY WIDTH (IN)	SPAN HEIGHT (IN)	M3	
		EXT. (+)	INT. (-)
36	72	90.0	108.0
42		90.0	108.0
48		90.0	100.0
54		88.9	88.9
60		80.0	80.0
66		72.7	72.7
72		66.7	66.7
36	78	90.0	108.0
42		90.0	105.5
48		90.0	92.3
54		82.1	82.1
60		73.8	73.8
66		67.1	67.1
72		61.5	61.5
36	84	90.0	108.0
42		90.0	98.0
48		85.7	85.7
54		76.2	76.2
60		68.6	68.6
66		62.3	62.3
72		57.1	57.1
36	90	90.0	106.7
42		90.0	91.4
48		80.0	80.0
54		71.1	71.1
60		64.0	64.0
66		58.2	58.2
72		53.3	53.3
36	96	90.0	100.0
42		85.7	85.7
48		75.0	75.0
54		66.7	66.7
60		60.0	60.0
66		54.5	54.5
72		50.0	50.0
36	102	90.0	94.1
42		80.7	80.7
48		70.6	70.6
54		62.7	62.7
60		56.5	56.5
66		51.3	51.3

DESIGN PRESSURE TABLE (PSF) - TWIN SPAN			
TRIBUTARY WIDTH (IN)	SPAN HEIGHT (IN)	M3	
		EXT. (+)	INT. (-)
36	108	88.9	88.9
42		76.2	76.2
48		66.7	66.7
54		59.3	59.3
60		53.3	53.3
36		84.2	84.2
42	114	72.2	72.2
48		63.2	63.2
54		56.1	56.1
60		50.5	50.5
36	120	80.0	80.0
42		68.6	68.6
48		60.0	60.0
54		53.3	53.3
36	126	76.2	76.2
42		65.3	65.3
48		57.1	57.1
54		50.8	50.8
36	132	72.7	72.7
42		62.3	62.3
48		54.5	54.5
36	138	69.6	69.6
42		59.6	59.6
48		52.2	52.2
36	144	66.7	66.7
42		57.1	57.1
48		50.0	50.0
36	150	59.0	59.0
42		50.6	50.6
36	156	52.4	52.4
42		44.9	44.9



ARCADIA, INC.
2301 EAST VERNON AVE.
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TITLE:
IP1900
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)
MULLION CAPACITY CHARTS

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MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL40952

DATE:
2.01.22

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R.P.

CHK. BY:
HFN

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NTS

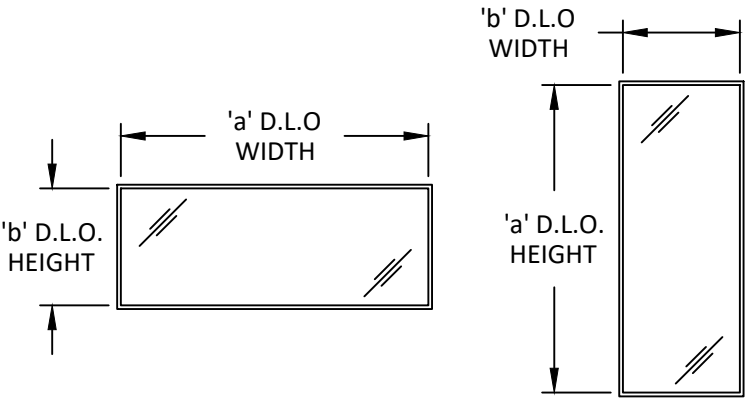
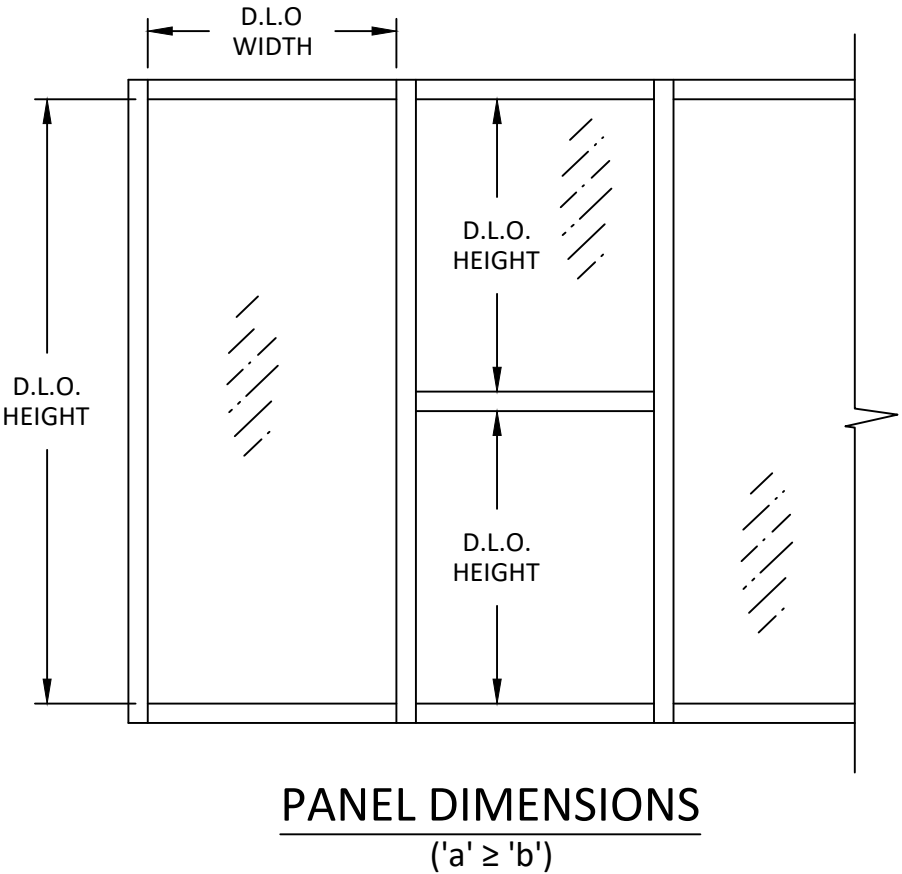
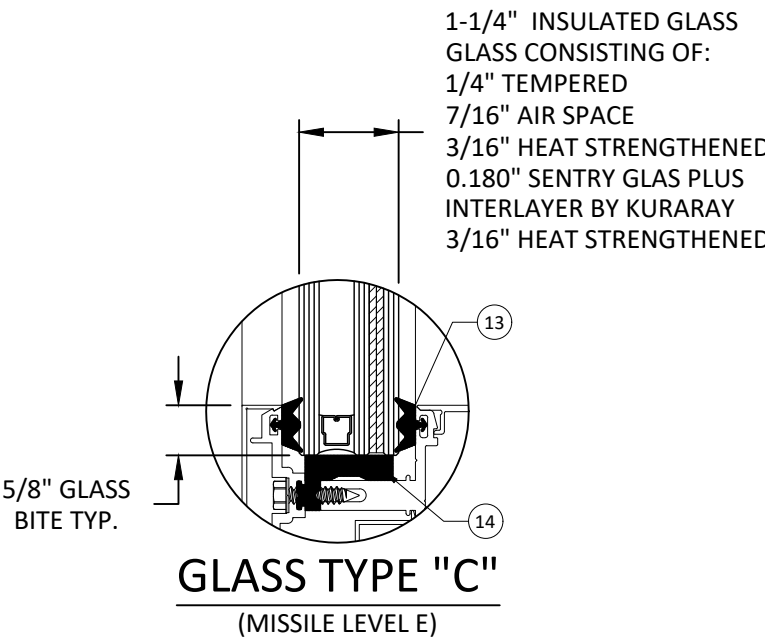
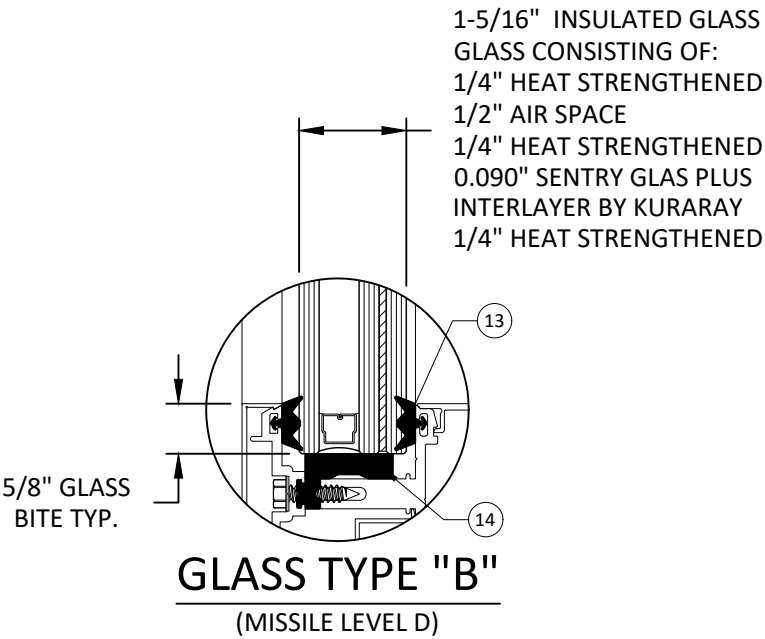
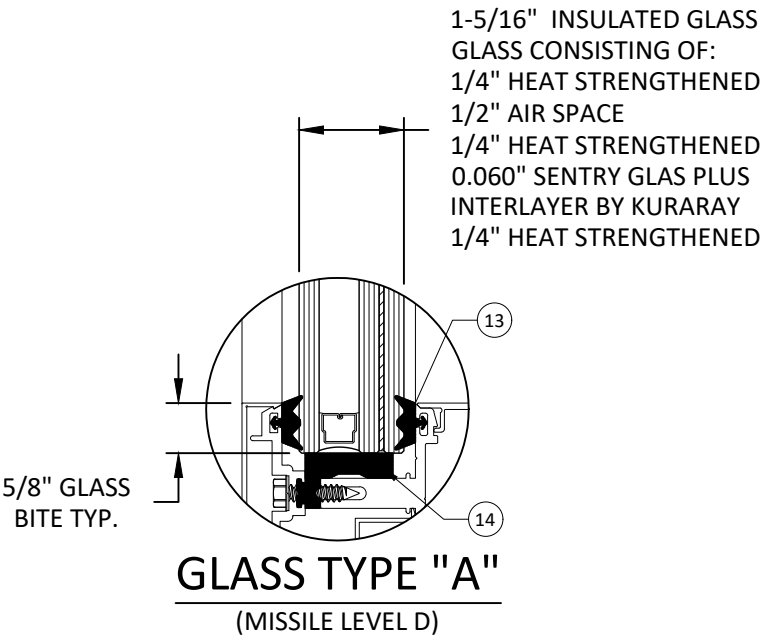
DWG. #:
ARC002

SECTION:
4.2

REV.
A

OF 14

GLASS LOAD CAPACITY (PSF)					
NOMINAL DIMS.		GLASS TYPE 'A'	GLASS TYPE 'B'	GLASS TYPE 'C'	
D.L.O. WIDTH 'a' (in.)	D.L.O. HEIGHT 'b' (in.)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+)	INT. (-)
30.0	55.5	80.0	90.0	72.0	108.0
36.0		80.0	90.0	72.0	108.0
42.0		80.0	90.0	72.0	108.0
48.0		80.0	90.0	72.0	108.0
54.0		80.0	90.0	72.0	108.0
57.8125		80.0	90.0	70.1	105.1
60.0		80.0	90.0	70.1	105.1
66.0	61.5	80.0	90.0	70.1	105.1
30.0		80.0	90.0	72.0	108.0
36.0		80.0	90.0	72.0	108.0
42.0		80.0	90.0	72.0	108.0
48.0		80.0	90.0	72.0	108.0
54.0		80.0	90.0	72.0	108.0
57.8125		80.0	90.0	67.3	100.9
60.0	67.5	77.1	86.7	64.8	97.2
66.0		75.2	84.6	63.2	94.8
30.0		80.0	90.0	72.0	108.0
36.0		80.0	90.0	72.0	108.0
42.0		80.0	90.0	72.0	108.0
48.0		80.0	90.0	72.0	108.0
54.0		80.0	90.0	72.0	108.0
57.8125	73.5	80.0	90.0	67.3	100.9
60.0		77.1	86.7	-	-
66.0		70.1	78.8	-	-
30.0		80.0	90.0	72.0	108.0
36.0		80.0	90.0	72.0	108.0
42.0		80.0	90.0	72.0	108.0
48.0		80.0	90.0	72.0	108.0
54.0	79.5	80.0	90.0	72.0	108.0
57.8125		80.0	90.0	-	-
60.0		77.1	86.7	-	-
66.0		70.1	78.8	-	-
30.0		80.0	90.0	72.0	108.0
36.0		80.0	90.0	72.0	108.0
42.0		80.0	90.0	72.0	108.0
48.0	85.5	80.0	90.0	72.0	108.0
54.0		80.0	90.0	-	-
57.8125		80.0	90.0	-	-
60.0		77.1	86.7	-	-
66.0		80.0	90.0	72.0	108.0
30.0		80.0	90.0	72.0	108.0
36.0		80.0	90.0	72.0	108.0
42.0	91.5	80.0	90.0	72.0	108.0
48.0		80.0	90.0	-	-
54.0		80.0	90.0	-	-
57.8125		80.0	90.0	-	-
60.0		80.0	90.0	72.0	108.0
30.0		80.0	90.0	72.0	108.0
36.0		80.0	90.0	72.0	108.0
42.0	97.5	80.0	90.0	72.0	108.0
48.0		80.0	90.0	-	-
54.0		80.0	90.0	-	-
60.0		80.0	90.0	-	-
66.0		80.0	90.0	72.0	108.0
30.0		80.0	90.0	72.0	108.0
36.0		80.0	90.0	72.0	108.0
42.0	103.5	80.0	90.0	-	-
48.0		80.0	90.0	-	-
54.0		80.0	90.0	-	-
60.0		80.0	90.0	-	-
66.0		80.0	90.0	72.0	108.0
30.0		80.0	90.0	72.0	108.0
36.0		80.0	90.0	72.0	108.0
42.0	109.5	80.0	90.0	-	-
48.0		80.0	90.0	-	-
54.0		80.0	90.0	-	-
60.0		80.0	90.0	-	-
66.0		80.0	90.0	72.0	108.0
30.0		80.0	90.0	72.0	108.0
36.0		80.0	90.0	72.0	108.0
42.0	115.5	80.0	90.0	-	-
48.0		80.0	90.0	-	-
54.0		80.0	90.0	-	-
60.0		80.0	90.0	-	-
66.0		80.0	90.0	72.0	108.0
30.0		80.0	90.0	72.0	108.0
36.0		80.0	90.0	72.0	108.0
42.0	121.5	80.0	90.0	-	-
48.0		80.0	90.0	-	-



- NOTE:
- GLASS TYPE AND THICKNESS COMPLIES WITH THE REQUIREMENTS OF ASTM E1300.
 - DO NOT EXCEED MULLION CAPACITY SELECTED OR ANCHOR CAPACITY IN DESIGN PRESSURE CHARTS
 - SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24 OF CURRENT FBC.
 - SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER 24 OF CURRENT FBC.
 - D.L.O. MAY NOT EXCEED MAX DIMENSIONS IN GLASS CHARTS FOR GLASS TYPE.

arcadia

ARCADIA, INC.
2301 EAST VERNON AVE.
VERNON, CA 90058
(323)771-9819

TITLE: **IP1900 CURTAIN WALL SYSTEM (WZ3) (IMPACT)** GLAZING DETAILS

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

REMARKS	BY	DATE
2026 CODE CHANGE	HJ	3.7.26

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BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: **FL40952**

DATE: **2.01.22**

DWG. BY: **R.P.** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **ARC002**

SECTION: **5.0** REV. **A**

OF 14

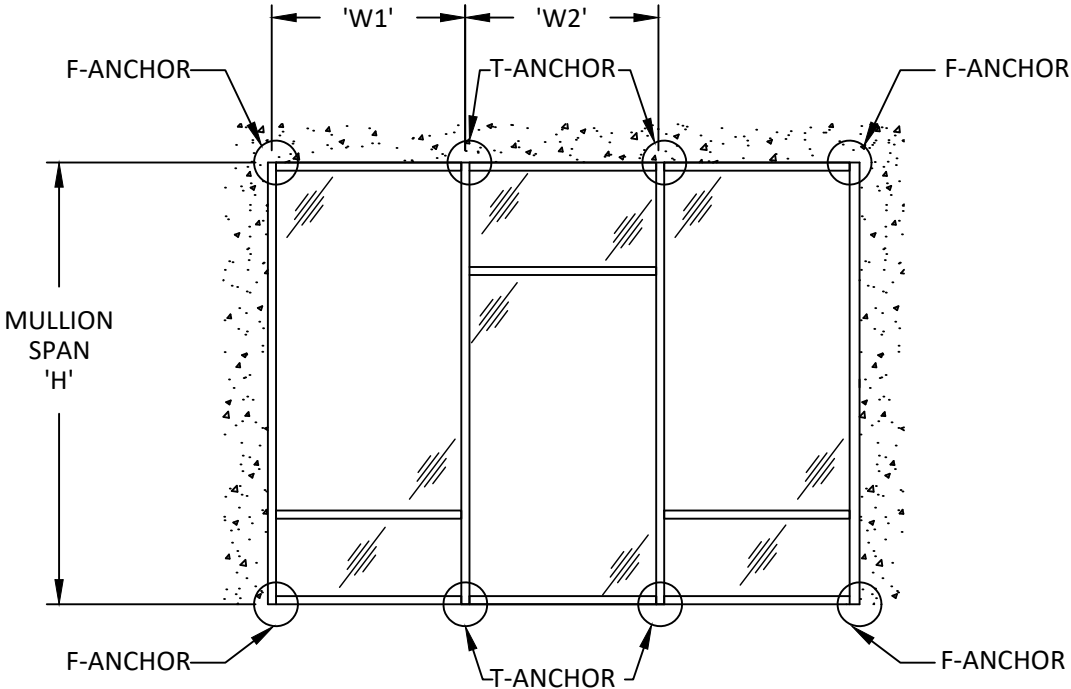
F & T ANCHORS

ANCHOR TYPE	ANCHOR DESCRIPTION	SUBSTRATE REQUIREMENTS	MIN. EMBEDMENT	MIN. EDGE DISTANCE
A	#14 WOOD SCREW	MIN. S.G. = 0.55 WOOD	1-1/2"	1"
B	1/4" SMS (GRADE 5)	STEEL: 18 GA. MIN., Fy=33 KSI MIN. ALUM.: 1/8" MIN., 6063-T5 MIN.	THREE THREADS PENETRATION	3/4"
C	3/8" MACHINE BOLT	STEEL: 1/8" MIN., Fy=33 KSI MIN. ALUM.: 1/4" MIN., 6063-T5 MIN.	THREE THREADS PENETRATION	3/4"
D	1/4" ITW TAPCON	CONCRETE, F'C = 2730 PSI MIN.	1"	1-1/2"
		C-90 HOLLOW/FILLED BLOCK, F'M = 2000 PSI MIN.	1"	2"
E	1/4" ELCO ULTRACON	CONCRETE, F'C = 2730 PSI MIN.	1-3/8"	2-1/2"
		C-90 HOLLOW/FILLED BLOCK, F'M = 1924 PSI MIN.	1-1/4"	2-1/2"
F	3/8" POWERS-BOLT +	CONCRETE, F'C = 2730 PSI MIN.	2"	3"

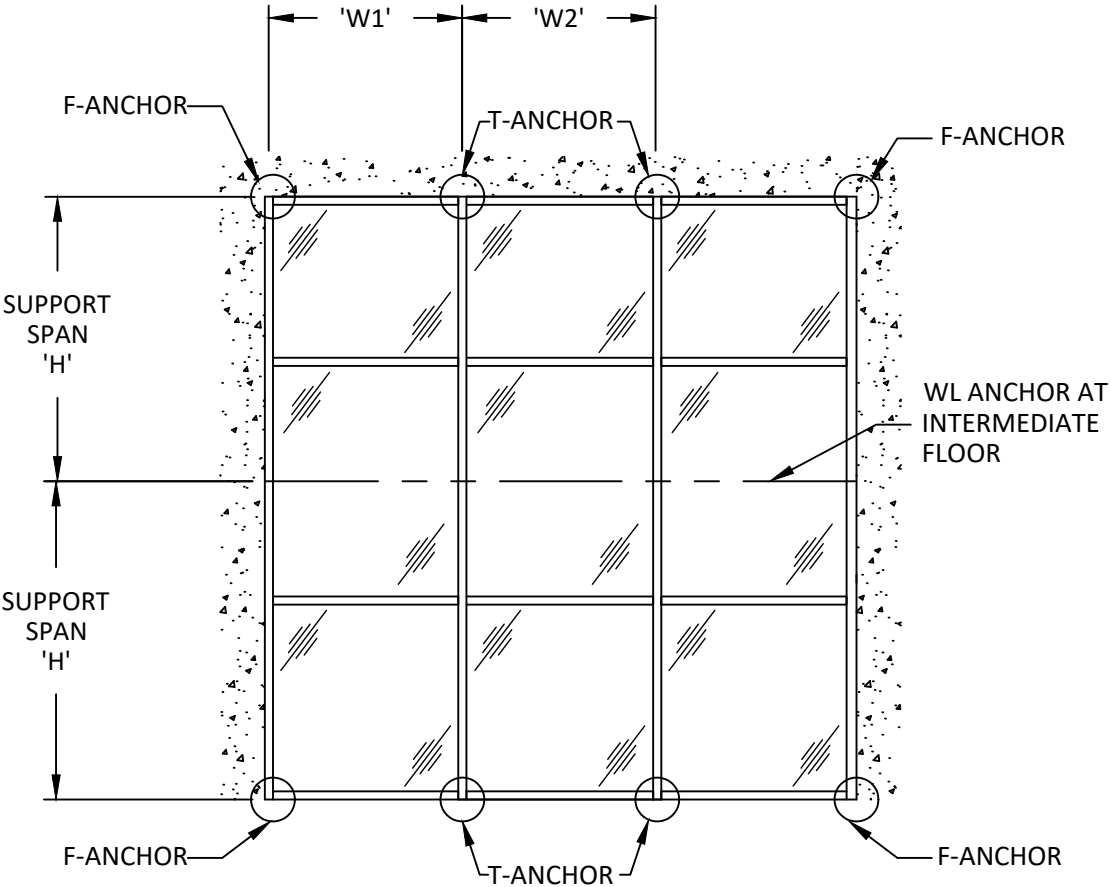
MULLION SPACING OR BAY WIDTH, 'W', FOR T-ANCHORS	$W = \frac{W1 + W2}{2}$
MULLION SPACING OR BAY WIDTH, 'W', FOR F-ANCHORS AT JAMBS	$W = W1$
MULLION SPACING OR BAY WIDTH, 'W', FOR F-ANCHORS AT VERTICAL MULL WITH DOORS	$W^* = \frac{W1 + W2}{2}$

* REFER TO SECTION 2 FOR ILLUSTRATION
OF DETERMINING MAX. TRIBUTARY WIDTH

- 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 SECTION 7 FOR WIND/DEAD LOAD ANCHOR CONFIGURATIONS.
 - REFER TO SECTION 6 FOR T & F ANCHOR TYPE CAPACITIES.
 - FOR ANCHOR TYPE 'M', FINAL SELECTION OF HALFEN CAST IN CHANNEL & T-BOLTS SHALL BE VERIFIED BY HALFEN USA IN ACCORDANCE WITH SITE SPECIFIC LOADS PRIOR TO INSTALLATION.
 - INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
 - FASTENERS USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE AND INSTALLED IN ENCLOSED SPACES SHALL BE GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.1 (E.G., ASTM A153 CLASS D, ASTM A641 CLASS 3S, OR EQUIVALENT CORROSION RESISTANCE).
 - CONNECTORS AND METAL PLATES USED WITHIN 3,000 FEET OF A SALTWATER COASTLINE SHALL BE STANDARD GALVANIZED IN ACCORDANCE WITH SECTION 1711.1.2 (E.G., ASTM A653 G90, ASTM A123, OR PROTECTIVE COATING PER TPI 1).



SINGLE SPAN ANCHOR LAYOUT



MULTI SPAN ANCHOR LAYOUT - TYP.



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IP1900
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ANCHOR DETAILS

PREPARED BY:
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DATE:	2.01.22
DWG. BY:	R.P.
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ARC002
SECTION:	6.0
REV.	A

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ARCADIA, INC.
2301 EAST VERNON AVE.
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IP1900
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)

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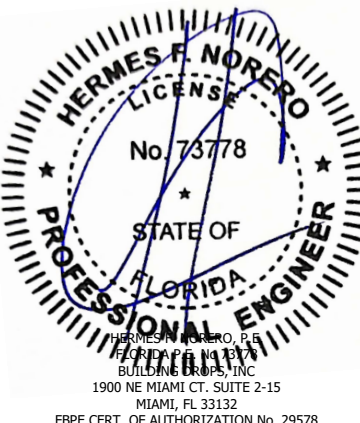
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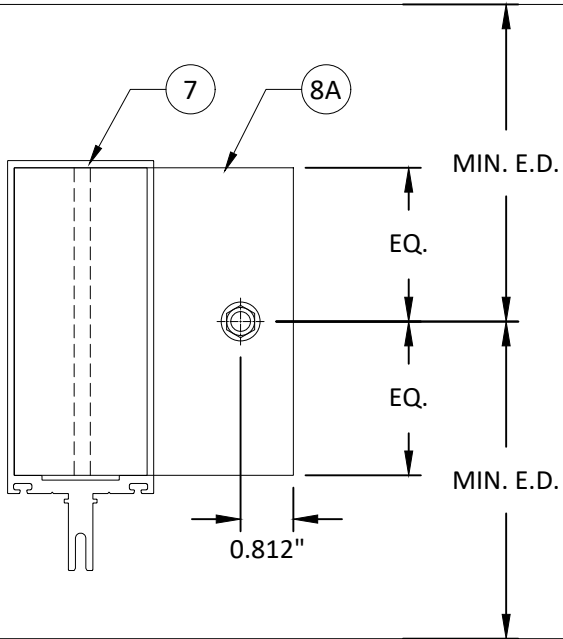


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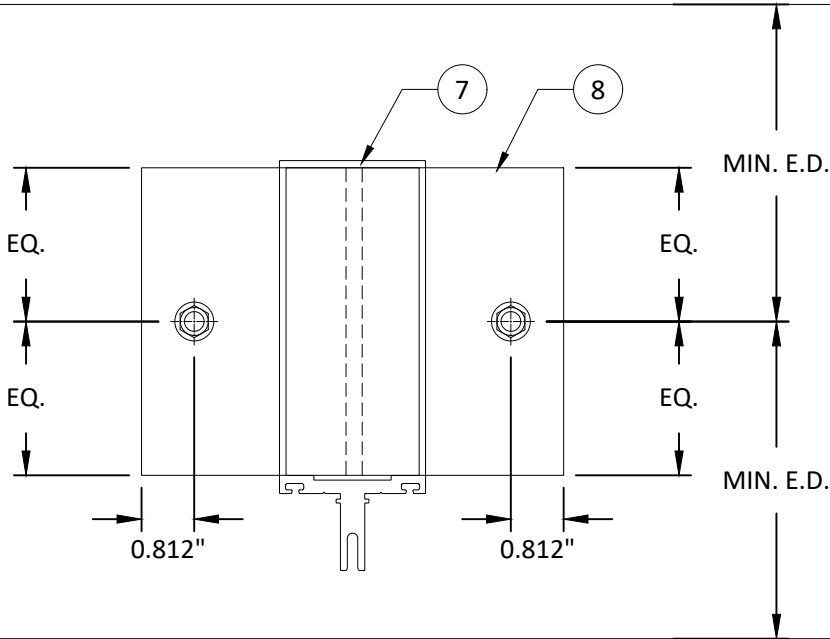
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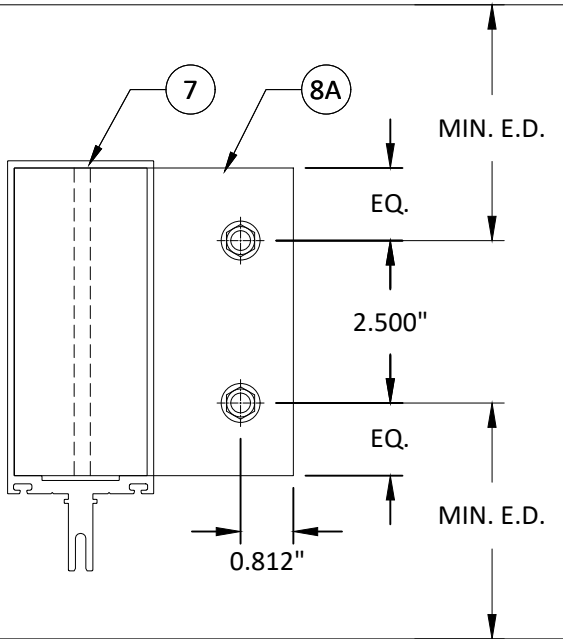
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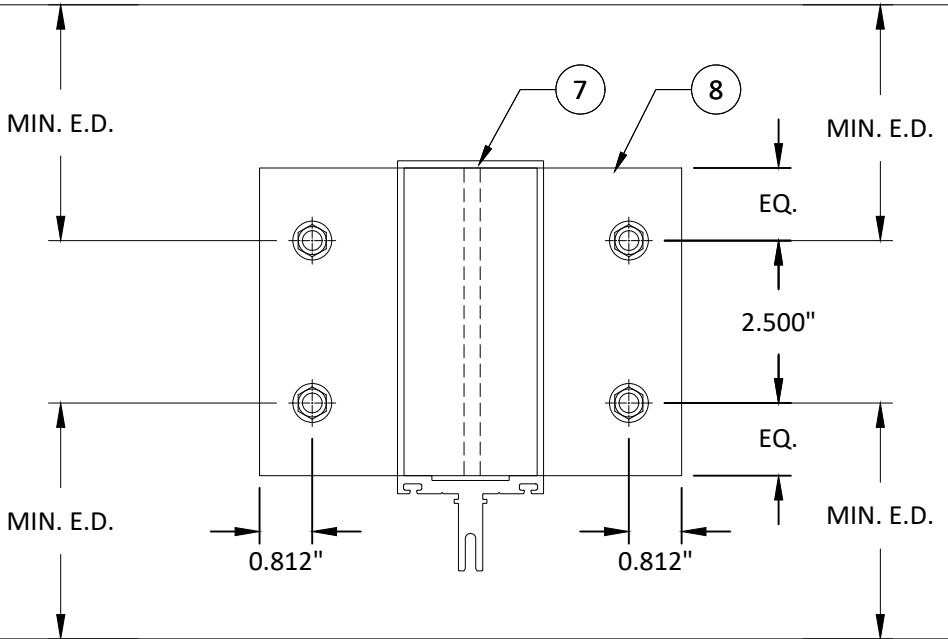
1 HORIZONTAL SECTION
6.1 F-ANCHOR CONFIG 1



2 HORIZONTAL SECTION
6.1 T-ANCHOR CONFIG 1



3 HORIZONTAL SECTION
6.1 F-ANCHOR CONFIG 2



4 HORIZONTAL SECTION
6.1 T-ANCHOR CONFIG 2

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(323)771-9819

TITLE:

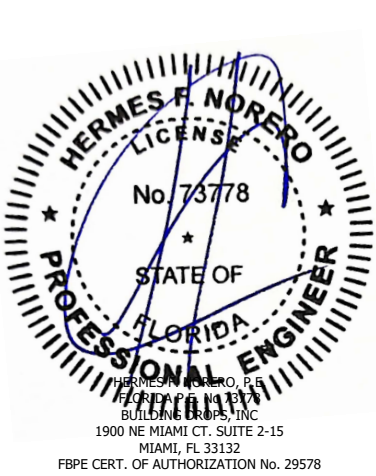
IP1900
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ANCHOR DETAILS

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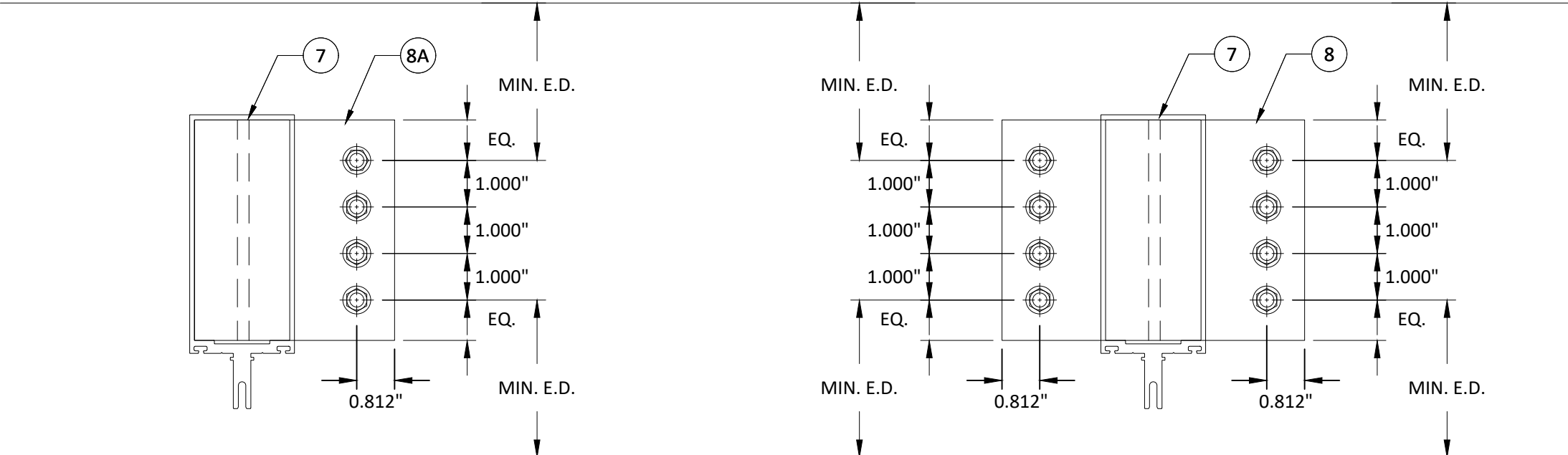
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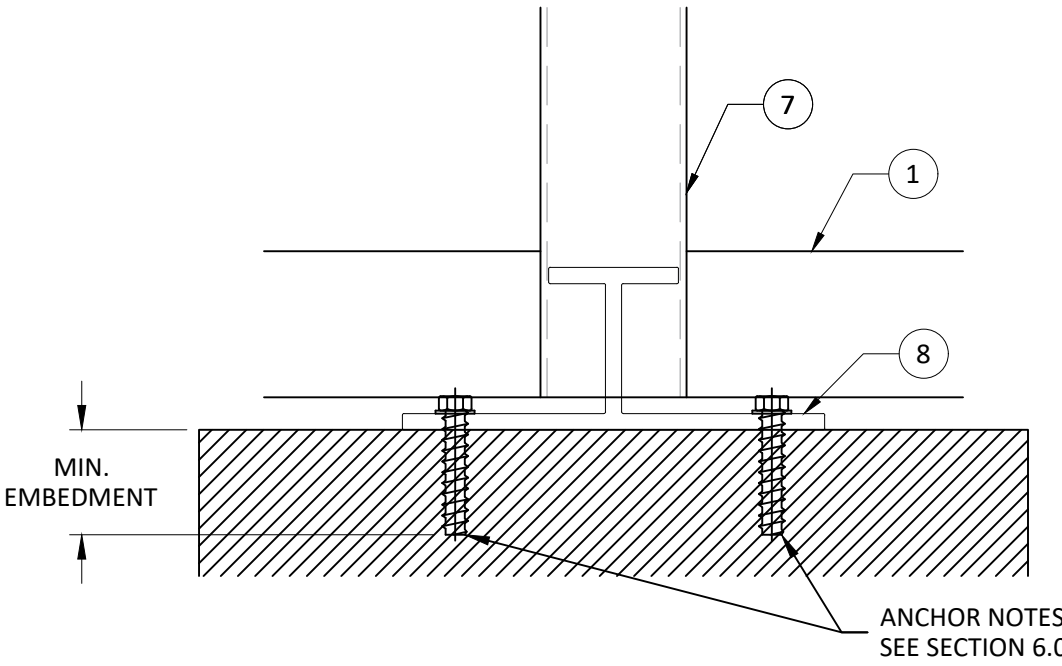
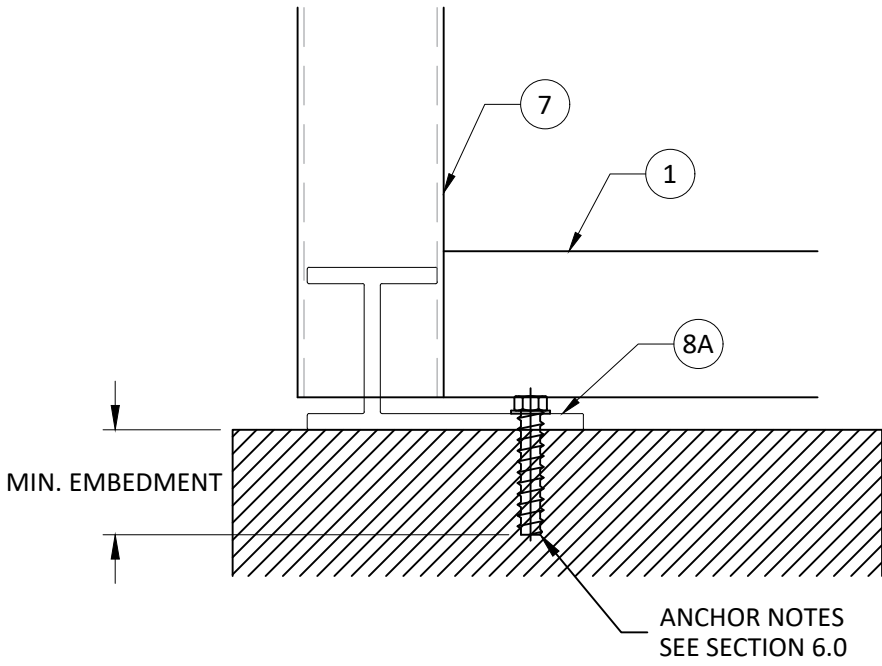
6.2

REV.
A



5
6.2 HORIZONTAL SECTION
F-ANCHOR
CONFIG 3

6
6.2 HORIZONTAL SECTION
T-ANCHOR
CONFIG 3



ANCHOR NOTES
SEE SECTION 6.0

ANCHOR NOTES
SEE SECTION 6.0

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F & T ANCHOR CAPACITY CHARTS

ANCHOR LOAD CAPACITY - PSF														
NOMINAL DIMS.		ANCHOR TYPE 'A'			ANCHOR TYPE 'B'			ANCHOR TYPE 'C'	ANCHOR TYPE 'D'		ANCHOR TYPE 'E'		ANCHOR TYPE 'F'	
TRIBUTARY WIDTH 'W' (in.)	FRAME HEIGHT 'H' (in.)	CONFIG. 1	CONFIG. 2	CONFIG. 3	CONFIG. 1	CONFIG. 2	CONFIG. 3	CONFIG. 1	CONFIG. 1	CONFIG. 2	CONFIG. 1	CONFIG. 2	CONFIG. 1	CONFIG. 2
36	72	74.1	108.0	108.0	56.5	108.0	108.0	108.0	35.8	47.1	66.0	108.0	97.8	108.0
42		63.5	108.0	108.0	48.4	96.8	108.0	108.0	30.7	40.4	56.6	108.0	83.8	108.0
48		55.6	108.0	108.0	42.4	84.7	108.0	108.0	26.8	35.3	49.5	99.1	73.3	108.0
54		49.4	98.8	108.0	37.6	75.3	108.0	108.0	23.9	31.4	44.0	88.1	65.2	108.0
60		44.5	88.9	108.0	33.9	67.8	101.6	108.0	21.5	28.3	39.6	79.3	58.7	108.0
66		40.4	80.8	108.0	30.8	61.6	92.4	108.0	19.5	25.7	36.0	72.0	53.3	106.7
72		37.1	74.1	108.0	28.2	56.5	84.7	108.0	17.9	23.6	33.0	66.0	48.9	97.8
36	78	68.4	108.0	108.0	52.1	104.2	108.0	108.0	33.0	43.5	61.0	108.0	90.3	108.0
42		58.6	108.0	108.0	44.7	89.4	108.0	108.0	28.3	37.3	52.3	104.5	77.4	108.0
48		51.3	102.6	108.0	39.1	78.2	108.0	108.0	24.8	32.6	45.7	91.4	67.7	108.0
54		45.6	91.2	108.0	34.7	69.5	104.2	108.0	22.0	29.0	40.6	81.3	60.2	108.0
60		41.0	82.1	108.0	31.3	62.5	93.8	108.0	19.8	26.1	36.6	73.2	54.2	108.0
66		37.3	74.6	108.0	28.4	56.9	85.3	108.0	18.0	23.7	33.3	66.5	49.2	98.5
72		34.2	68.4	102.6	26.1	52.1	78.2	108.0	16.5	21.7	30.5	61.0	45.1	90.3
36	84	63.5	108.0	108.0	48.4	96.8	108.0	108.0	30.7	40.4	56.6	108.0	83.8	108.0
42		54.4	108.0	108.0	41.5	83.0	108.0	108.0	26.3	34.6	48.5	97.0	71.8	108.0
48		47.6	95.3	108.0	36.3	72.6	108.0	108.0	23.0	30.3	42.5	84.9	62.9	108.0
54		42.3	84.7	108.0	32.3	64.5	96.8	108.0	20.4	26.9	37.7	75.5	55.9	108.0
60		38.1	76.2	108.0	29.0	58.1	87.1	108.0	18.4	24.2	34.0	67.9	50.3	100.6
66		34.6	69.3	103.9	26.4	52.8	79.2	108.0	16.7	22.0	30.9	61.8	45.7	91.4
72		31.8	63.5	95.3	24.2	48.4	72.6	108.0	15.3	20.2	28.3	56.6	41.9	83.8
36	90	59.3	108.0	108.0	45.2	90.3	108.0	108.0	28.6	37.7	52.8	105.7	78.2	108.0
42		50.8	101.6	108.0	38.7	77.4	108.0	108.0	24.5	32.3	45.3	90.6	67.0	108.0
48		44.5	88.9	108.0	33.9	67.8	101.6	108.0	21.5	28.3	39.6	79.3	58.7	108.0
54		39.5	79.0	108.0	30.1	60.2	90.3	108.0	19.1	25.1	35.2	70.4	52.1	104.3
60		35.6	71.1	106.7	27.1	54.2	81.3	108.0	17.2	22.6	31.7	63.4	46.9	93.9
66		32.3	64.7	97.0	24.6	49.3	73.9	108.0	15.6	20.6	28.8	57.6	42.7	85.3
72		29.6	59.3	88.9	22.6	45.2	67.8	108.0	14.3	18.8	26.4	52.8	39.1	78.2
36	96	55.6	108.0	108.0	42.4	84.7	108.0	108.0	26.8	35.3	49.5	99.1	73.3	108.0
42		47.6	95.3	108.0	36.3	72.6	108.0	108.0	23.0	30.3	42.5	84.9	62.9	108.0
48		41.7	83.4	108.0	31.8	63.5	95.3	108.0	20.1	26.5	37.2	74.3	55.0	108.0
54		37.1	74.1	108.0	28.2	56.5	84.7	108.0	17.9	23.6	33.0	66.0	48.9	97.8
60		33.3	66.7	100.0	25.4	50.8	76.2	108.0	16.1	21.2	29.7	59.4	44.0	88.0
66		30.3	60.6	90.9	23.1	46.2	69.3	108.0	14.6	19.3	27.0	54.0	40.0	80.0
72		27.8	55.6	83.4	21.2	42.4	63.5	108.0	13.4	17.7	24.8	49.5	36.7	73.3



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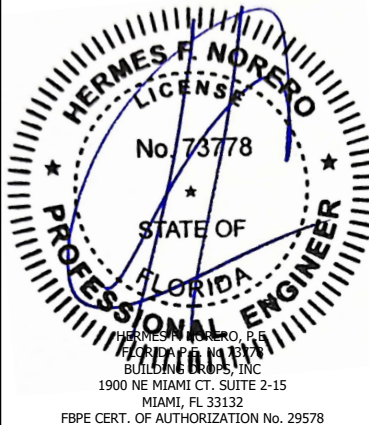
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DWG. #:	ARC002	
SECTION:	6.3	REV. A

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F & T ANCHOR CAPACITY CHARTS (CONT.)

ANCHOR LOAD CAPACITY - PSF														
NOMINAL DIMS.		ANCHOR TYPE 'A'			ANCHOR TYPE 'B'			ANCHOR TYPE 'C'	ANCHOR TYPE 'D'		ANCHOR TYPE 'E'		ANCHOR TYPE 'F'	
TRIBUTARY WIDTH 'W' (in.)	FRAME HEIGHT 'H' (in.)	CONFIG. 1	CONFIG. 2	CONFIG. 3	CONFIG. 1	CONFIG. 2	CONFIG. 3	CONFIG. 1	CONFIG. 1	CONFIG. 2	CONFIG. 1	CONFIG. 2	CONFIG. 1	CONFIG. 2
36	102	52.3	104.6	108.0	39.9	79.7	108.0	108.0	25.3	33.3	46.6	93.2	69.0	108.0
42		44.8	89.7	108.0	34.2	68.3	102.5	108.0	21.6	28.5	40.0	79.9	59.2	108.0
48		39.2	78.5	108.0	29.9	59.8	89.7	108.0	18.9	24.9	35.0	69.9	51.8	103.5
54		34.9	69.7	104.6	26.6	53.1	79.7	108.0	16.8	22.2	31.1	62.2	46.0	92.0
60		31.4	62.8	94.2	23.9	47.8	71.7	108.0	15.2	20.0	28.0	55.9	41.4	82.8
66		28.5	57.1	85.6	21.7	43.5	65.2	108.0	13.8	18.1	25.4	50.9	37.6	75.3
36	108	49.4	98.8	108.0	37.6	75.3	108.0	108.0	23.9	31.4	44.0	88.1	65.2	108.0
42		42.3	84.7	108.0	32.3	64.5	96.8	108.0	20.4	26.9	37.7	75.5	55.9	108.0
48		37.1	74.1	108.0	28.2	56.5	84.7	108.0	17.9	23.6	33.0	66.0	48.9	97.8
54		32.9	65.9	98.8	25.1	50.2	75.3	108.0	15.9	20.9	29.4	58.7	43.5	86.9
60		29.6	59.3	88.9	22.6	45.2	67.8	108.0	14.3	18.8	26.4	52.8	39.1	78.2
66		26.7	53.4	80.1	20.1	40.2	60.3	108.0	12.8	17.3	24.5	49.9	36.7	72.3
36	114	46.8	93.6	108.0	35.7	71.3	107.0	108.0	22.6	29.8	41.7	83.4	61.8	108.0
42		40.1	80.2	108.0	30.6	61.1	91.7	108.0	19.4	25.5	35.8	71.5	52.9	105.9
48		35.1	70.2	105.3	26.7	53.5	80.2	108.0	16.9	22.3	31.3	62.6	46.3	92.6
54		31.2	62.4	93.6	23.8	47.6	71.3	108.0	15.1	19.8	27.8	55.6	41.2	82.3
60		28.1	56.2	84.2	21.4	42.8	64.2	108.0	13.6	17.9	25.0	50.1	37.1	74.1
66		25.2	50.4	76.8	19.5	39.0	57.3	108.0	12.3	16.6	23.6	48.7	35.6	70.9
36	120	44.5	88.9	108.0	33.9	67.8	101.6	108.0	21.5	28.3	39.6	79.3	58.7	108.0
42		38.1	76.2	108.0	29.0	58.1	87.1	108.0	18.4	24.2	34.0	67.9	50.3	100.6
48		33.3	66.7	100.0	25.4	50.8	76.2	108.0	16.1	21.2	29.7	59.4	44.0	88.0
54		29.6	59.3	88.9	22.6	45.2	67.8	108.0	14.3	18.8	26.4	52.8	39.1	78.2
60		26.7	53.4	80.1	20.1	40.2	60.3	108.0	12.8	17.3	24.5	49.9	36.7	72.3
66		23.8	47.6	71.3	18.1	36.2	52.3	108.0	11.5	16.0	22.5	47.9	34.5	69.4
36	126	42.3	84.7	108.0	32.3	64.5	96.8	108.0	20.4	26.9	37.7	75.5	55.9	108.0
42		36.3	72.6	108.0	27.7	55.3	83.0	108.0	17.5	23.1	32.3	64.7	47.9	95.8
48		31.8	63.5	95.3	24.2	48.4	72.6	108.0	15.3	20.2	28.3	56.6	41.9	83.8
54		28.2	56.5	84.7	21.5	43.0	64.5	108.0	13.6	17.9	25.2	50.3	37.2	74.5
60		25.2	50.4	76.8	19.5	39.0	57.3	108.0	12.3	16.6	23.6	48.7	35.6	70.9
66		22.3	44.6	67.9	17.6	35.1	50.4	108.0	11.4	15.7	22.6	47.8	34.6	69.5
36	132	40.4	80.8	108.0	30.8	61.6	92.4	108.0	19.5	25.7	36.0	72.0	53.3	106.7
42		34.6	69.3	103.9	26.4	52.8	79.2	108.0	16.7	22.0	30.9	61.8	45.7	91.4
48		30.3	60.6	90.9	23.1	46.2	69.3	108.0	14.6	19.3	27.0	54.0	40.0	80.0
54		26.7	53.4	80.1	20.1	40.2	60.3	108.0	12.8	17.3	24.5	49.9	36.7	72.3
60		23.8	47.6	71.3	18.1	36.2	52.3	108.0	11.5	16.0	22.5	47.9	34.5	69.4
66		20.9	42.2	63.3	16.2	32.4	46.5	108.0	10.4	14.6	21.5	46.9	33.8	68.7
36	138	38.7	77.3	108.0	29.5	58.9	88.4	108.0	18.7	24.6	34.5	68.9	51.0	102.0
42		33.1	66.3	99.4	25.3	50.5	75.8	108.0	16.0	21.1	29.5	59.1	43.7	87.5
48		29.0	58.0	87.0	22.1	44.2	66.3	108.0	14.0	18.4	25.8	51.7	38.3	76.5
54		25.2	50.4	76.8	19.5	39.0	57.3	108.0	12.3	16.6	23.6	48.7	35.6	70.9
60		22.3	44.6	67.9	17.6	35.1	50.4	108.0	11.4	15.7	22.6	47.8	34.6	69.5
66		19.5	39.0	57.3	14.6	30.2	43.5	108.0	10.4	14.6	21.5	46.9	33.8	68.7
36	144	37.1	74.1	108.0	28.2	56.5	84.7	108.0	17.9	23.6	33.0	66.0	48.9	97.8
42		31.8	63.5	95.3	24.2	48.4	72.6	108.0	15.3	20.2	28.3	56.6	41.9	83.8
48		27.8	55.6	83.4	21.2	42.4	63.5	108.0	13.4	17.7	24.8	49.5	36.7	73.3
54		24.9	49.8	74.7	19.3	38.6	55.9	108.0	12.5	16.8	23.9	48.6	35.8	71.6
60		22.0	43.9	66.0	17.4	34.7	49.0	108.0	11.6	15.9	23.0	47.7	34.9	70.6
66		19.1	39.0	56.1	15.5	30.8	44.1	108.0	10.7	15.0	22.1	46.8	34.0	69.6
36	150	35.6	71.1	106.7	27.1	54.2	81.3	108.0	17.2	22.6	31.7	63.4	46.9	93.9
42		30.5	61.0	91.5	23.2	46.5	69.7	108.0	14.7	19.4	27.2	54.3	40.2	80.5
48		27.6	54.2	82.4	20.3	40.7	61.6	108.0	13.8	18.5	26.3	51.4	38.3	76.6
54		24.7	49.3	73.5	18.4	36.8	52.7	108.0	12.9	17.6	25.4	50.5	37.4	74.7
60		21.8	43.4	64.6	16.5	32.9	47.8	108.0	12.0	16.7	24.5	49.6	36.5	73.8
66		18.9	38.5	55.7	14.6	29.0	42.9	108.0	11.1	15.8	23.6	48.7	35.6	70.9
36	156	34.2	68.4	102.6	26.1	52.1	78.2	108.0	16.5	21.7	30.5	61.0	45.1	90.3
42		29.3	58.6	87.9	22.3	44.7	67.0	108.0	14.2	18.6	26.1	52.3	38.7	77.4



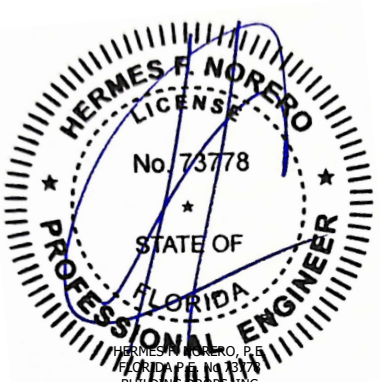
ARCADIA, INC.
2301 EAST VERNON AVE.
VERNON, CA 90058
(323)771-9819

TITLE:
IP1900
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)
ANCHOR LOAD CHARTS

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

REMARKS	BY	DATE
2026 CODE CHANGE	HJ	3.7.26

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



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

FL #:
FL40952

DATE:
2.01.22

DWG. BY:
R.P.

CHK. BY:
HFN

SCALE:
NTS

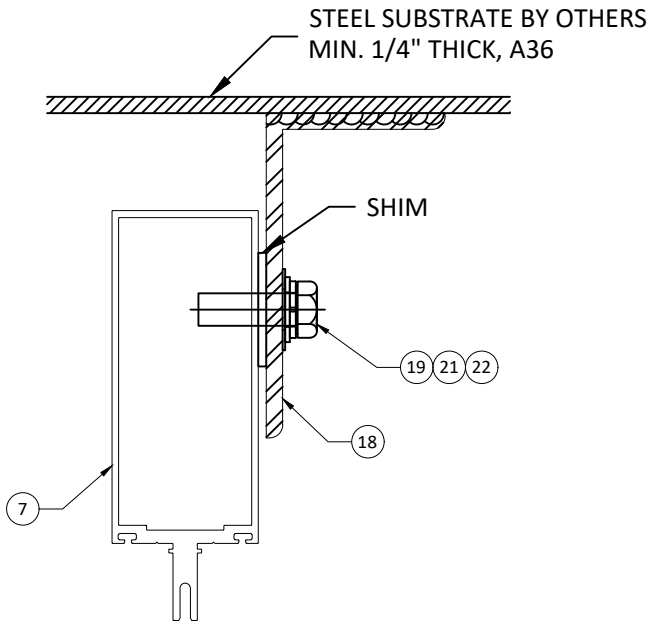
DWG. #:
ARC002

SECTION:
6.4

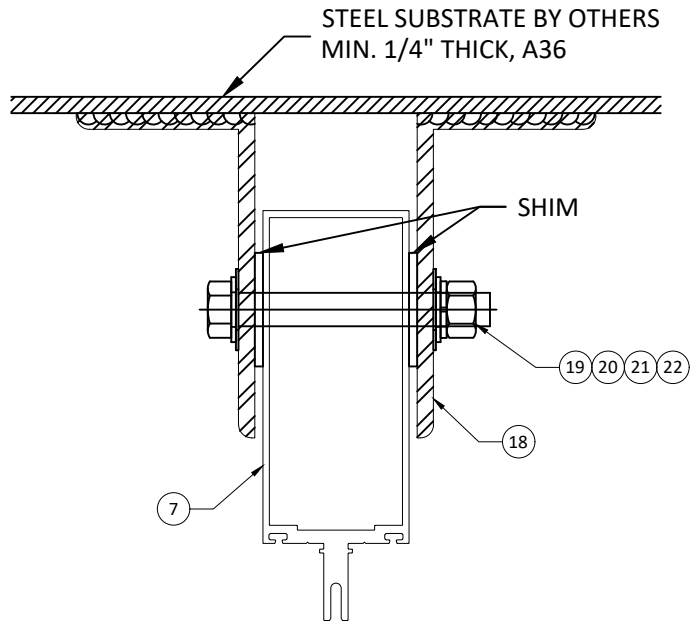
REV.
A

OF 14

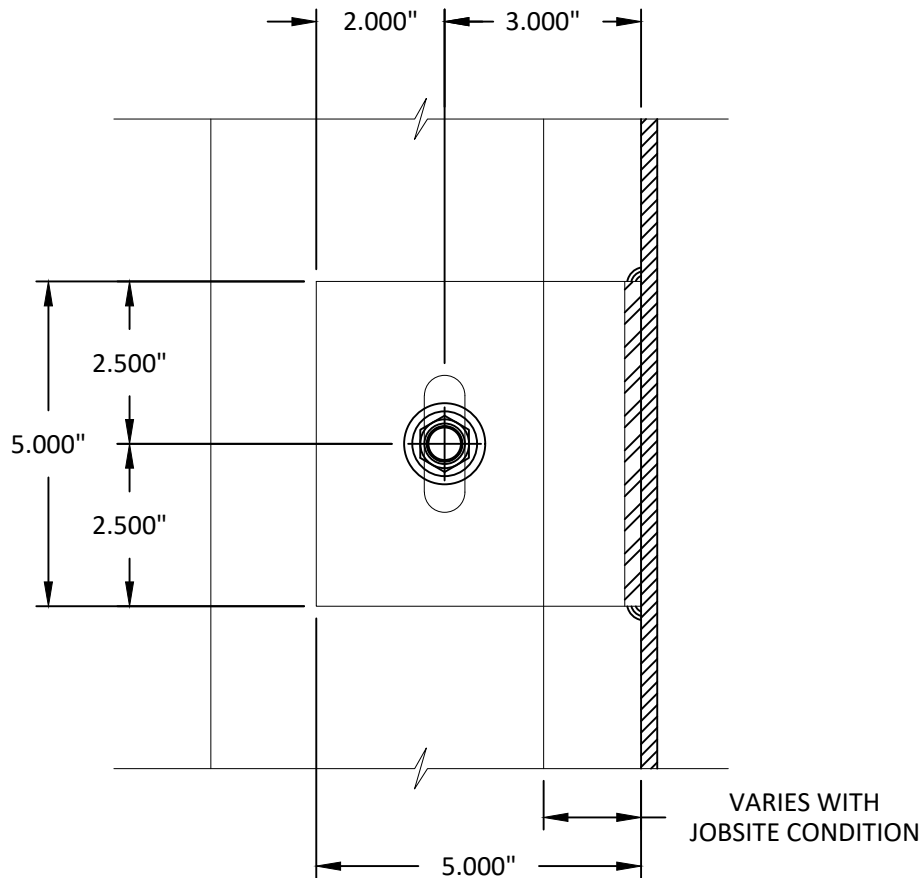
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1
7.0
ANCHOR DETAIL
WIND LOAD ANCHOR
AT JAMB



2
7.0
ANCHOR DETAIL
WIND LOAD ANCHOR
AT INTERMEDIATE MULLION



ANCHOR DETAIL
WIND LOAD ANCHOR
AT STEEL SUBSTRATE

WIND LOAD ANCHOR CAPACITY		
TRIBUTARY WIDTH 'W' (IN)	SPAN 'H' (IN)	MAX. DESIGN PRESSURE (PSF)
48	144	+/- 50



ARCADIA, INC.
2301 EAST VERNON AVE.
VERNON, CA 90058
(323)771-9819

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CURTAIN WALL SYSTEM
(WZ3) (IMPACT)
WIND LOAD ANCHOR

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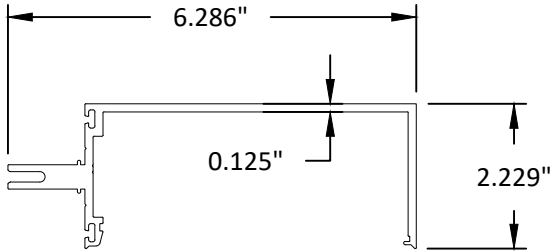


FL #:	FL40952
DATE:	2.01.22
DWG. BY:	CHK. BY:
R.P.	HFN
SCALE:	NTS
DWG. #:	ARC002
SECTION:	REV.
7.0	A

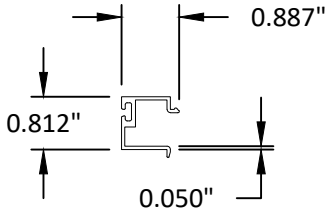
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BILL OF MATERIALS			
ITEM	PART No.	DESCRIPTION	MATERIAL
1	OPG-1978	HEAD & SILL	6063-T6
2	OPG-1989	ADAPTOR	6063-T6
3	OPG-0299	PRESURE PLATE	6063-T6
4	OPG-1912	STANDARD COVER	6063-T6
5	OPG-1901	SNAP INTERIOR COVER	6063-T6
6	OPG-1999.4	CLIP	6063-T6
7	OPG-1910	VERTICAL / HORIZONTAL / 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	OPG-1900	HORIZONTAL	6063-T6
17	OPGUCH.3	CLIP	6063-T6
18		WIND LOAD ANCHOR	STEEL
19		1/2"-13 BOLT	STEEL
20		1/2"-13 NUT	STEEL
21		1/2" LOCK WASHER	STEEL
22		1/2" FLAT WASHER	STEEL

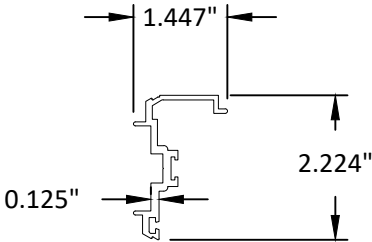
1 HEAD & SILL



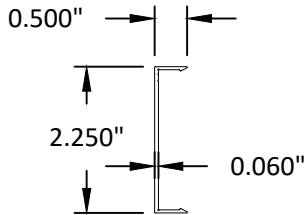
2 ADAPTOR



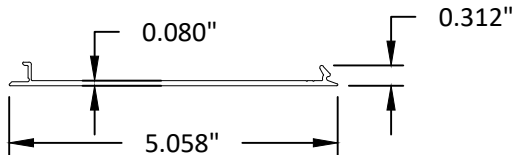
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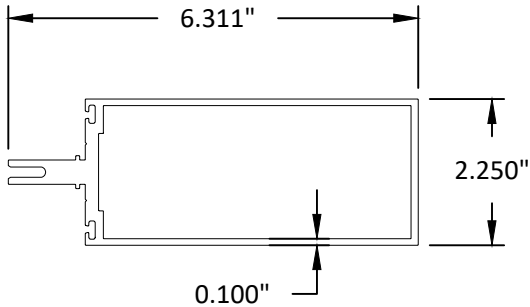
4 STANDARD COVER



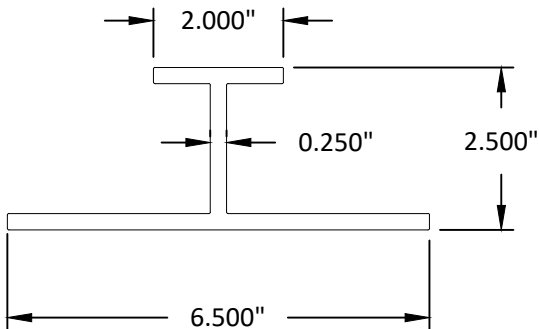
5 SNAP INTERIOR COVER



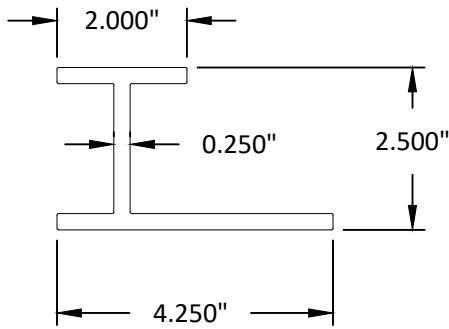
7 VERTICAL / HORIZONTAL / JAMB



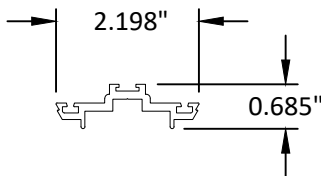
8 I-CLIP (@ INTERMEDIATE)



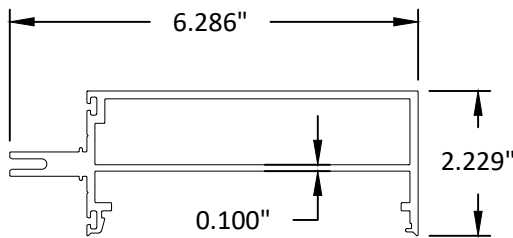
8A F-CLIP (@ JAMB)



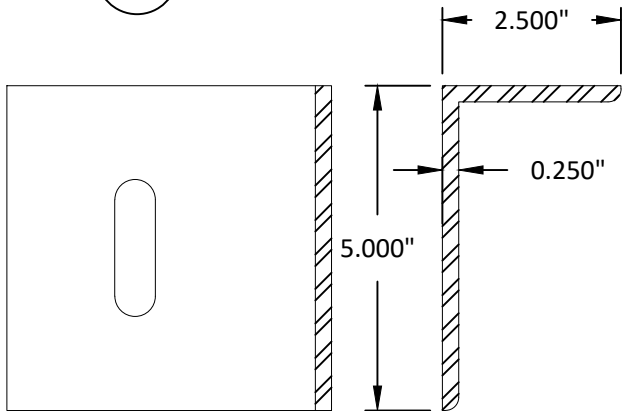
9 PRESSURE PLATE



16 HORIZONTAL



18 WIND LOAD ANCHOR



ARCADIA, INC.
2301 EAST VERNON AVE.
VERNON, CA 90058
(323)771-9819

TITLE:
IP1900
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)

COMPONENTS & BILL OF MATERIALS

PREPARED BY:

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1900 NE MIAMI CT. SUITE 2-15

MIAMI, FL 33132

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FL #:	FL40952
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DWG. BY:	R.P.
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ARC002
SECTION:	8.0
REV.	A