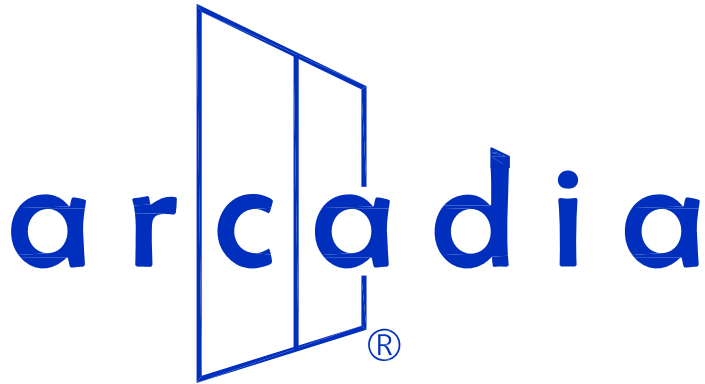




ARCADIA INC.

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.
- 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 FLORIDA BUILDING CODE, 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



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(323)771-9819

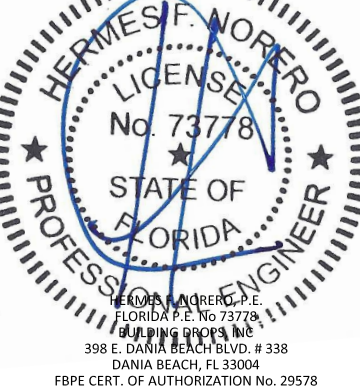
TITLE:
IP1900
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)
COVER SHEET & GENERAL NOTES

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BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

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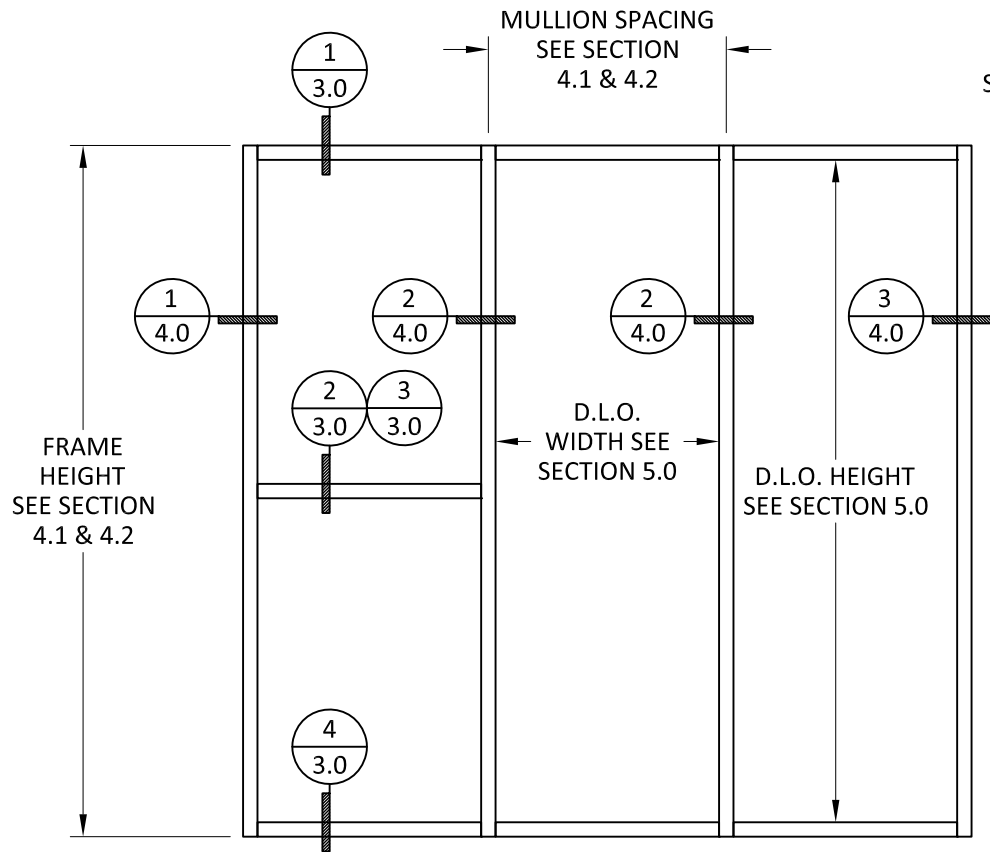
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DWG. #: ARC002

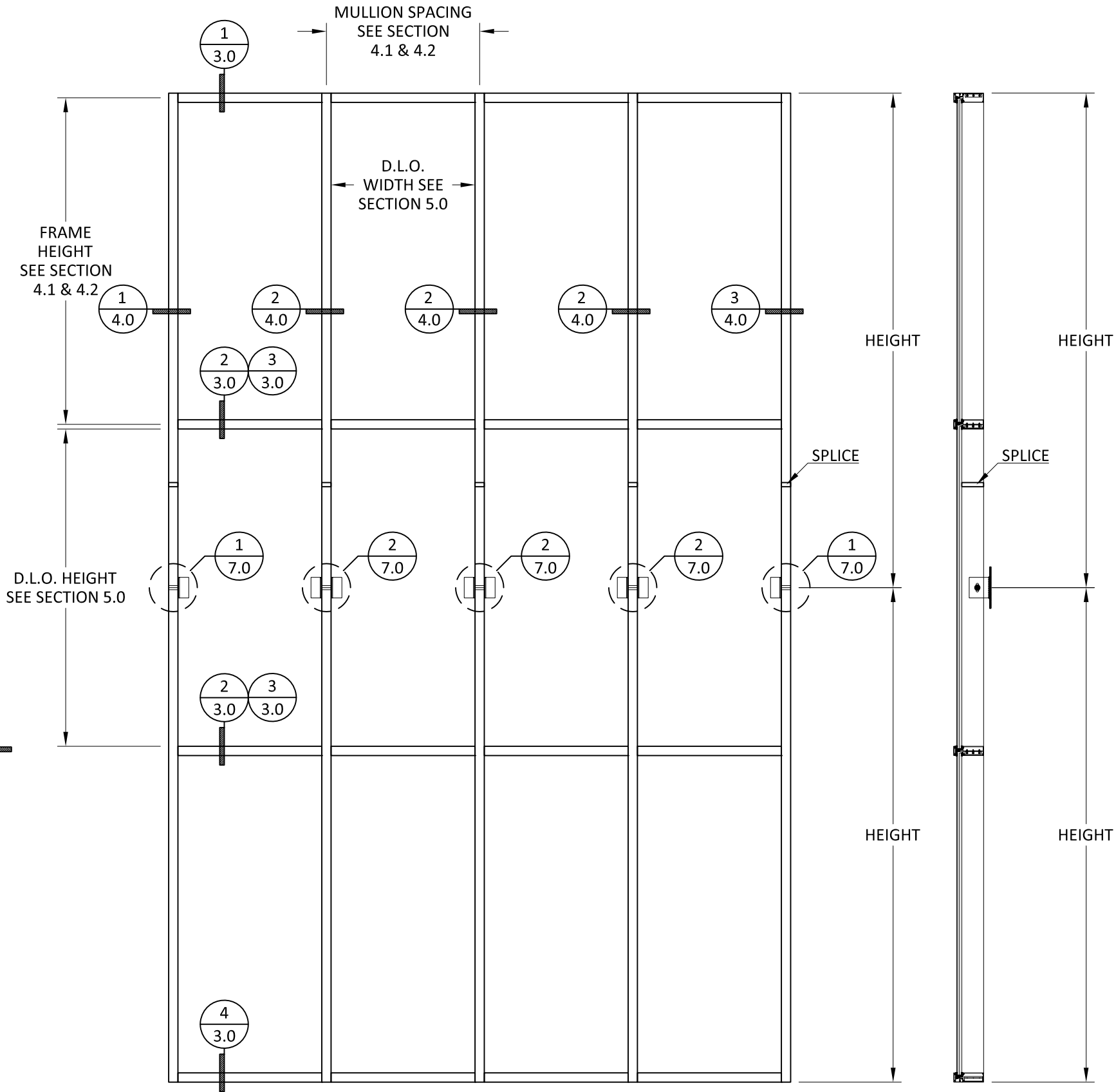
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ELEVATION
SINGLE SPAN



ELEVATION
TWIN SPAN



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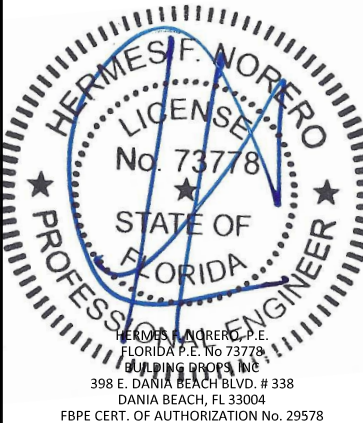
TITLE: IP1900
CURTAIN WALL SYSTEM
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ELEVATIONS

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PH: (954)399-8478
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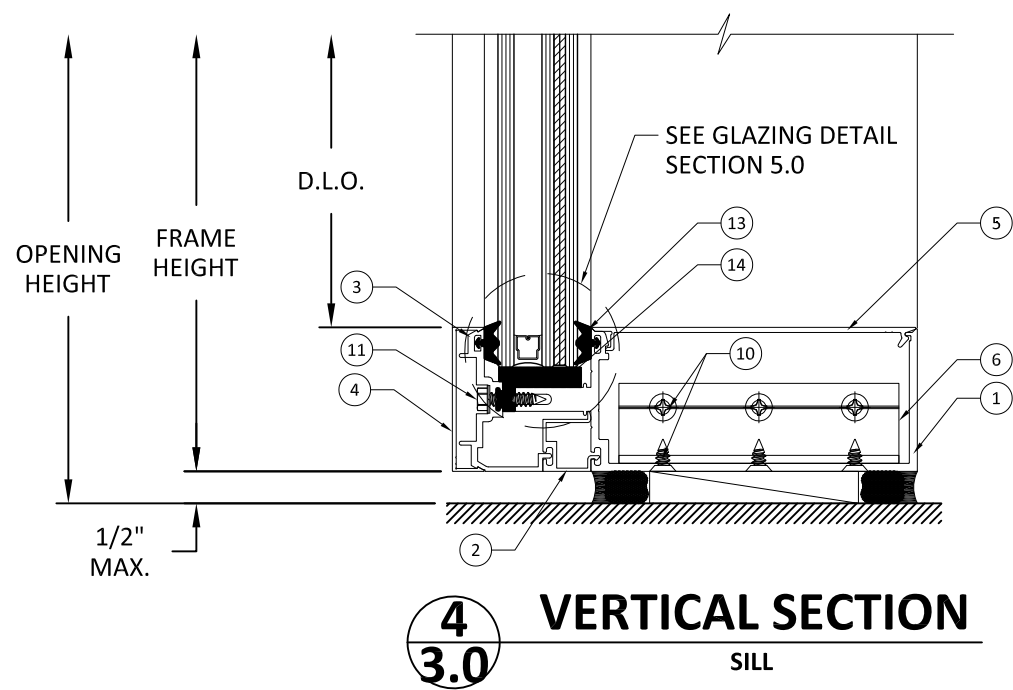
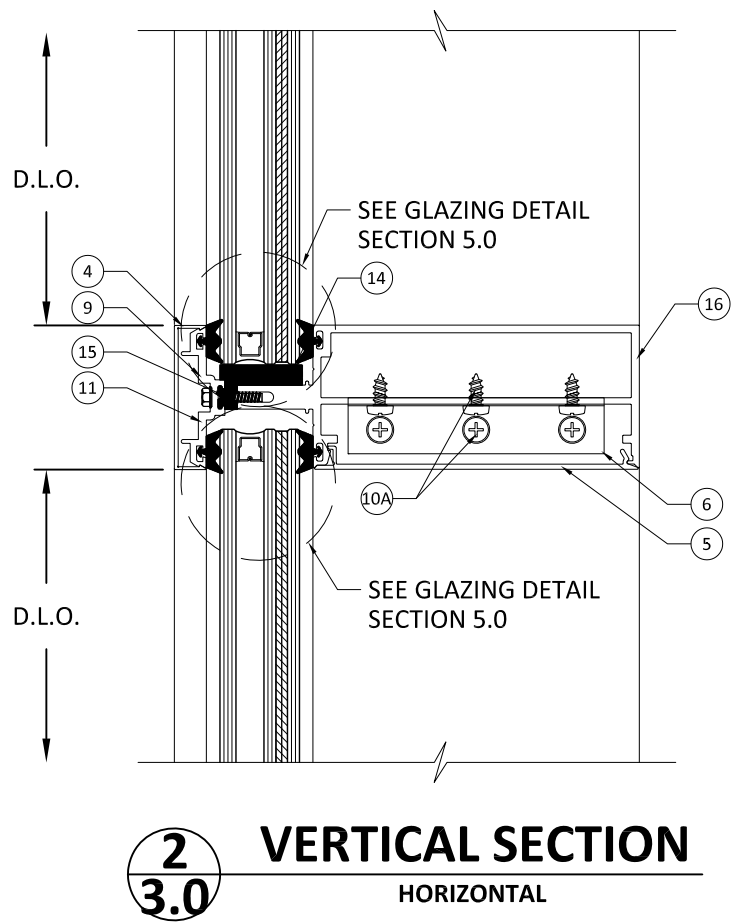
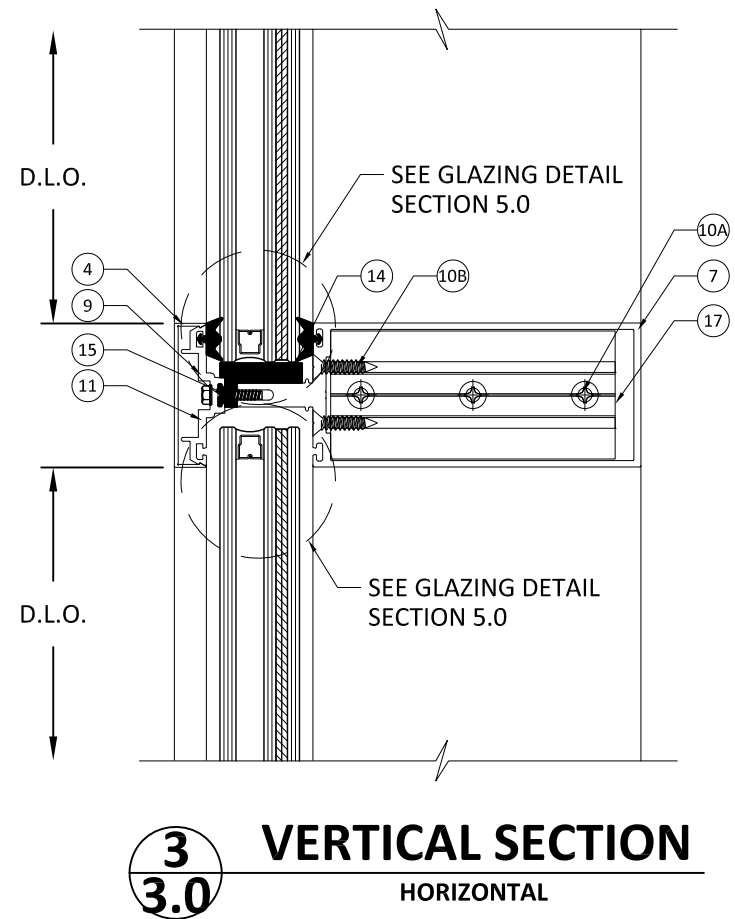
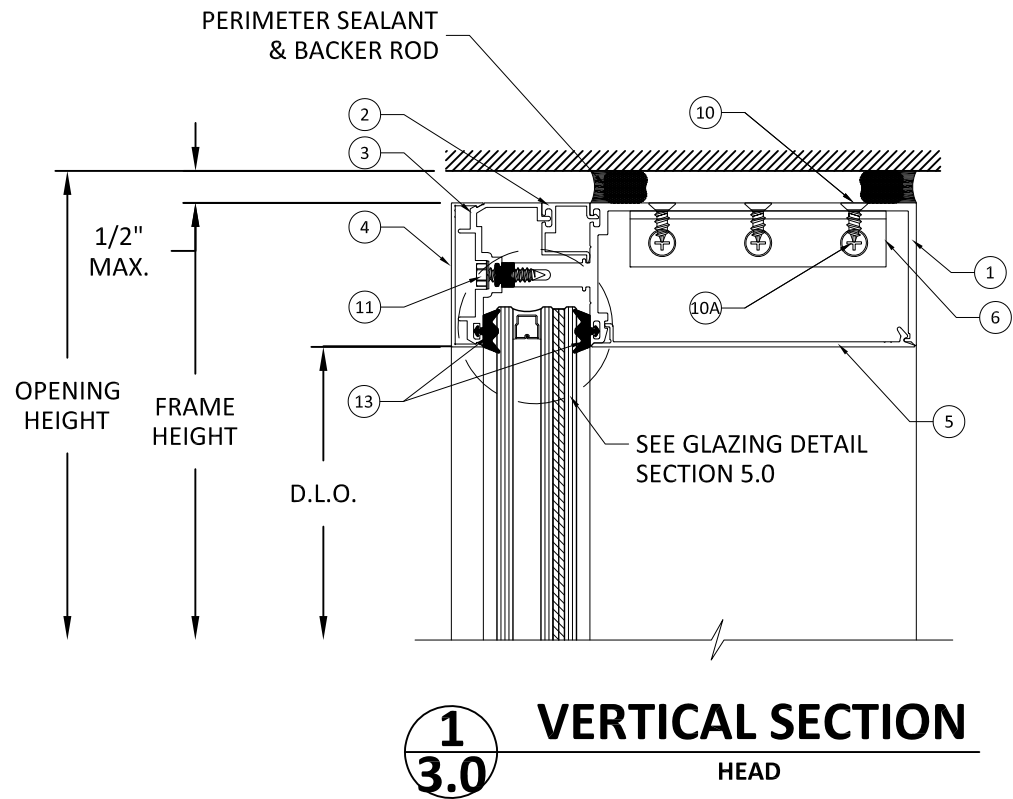
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[PAGE 2 OF 14]			

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(323)771-9819

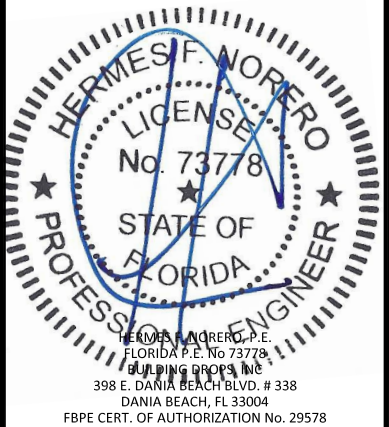
TITLE: IP1900
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)
VERTICAL SECTIONS

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



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FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

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DATE: 2.01.22

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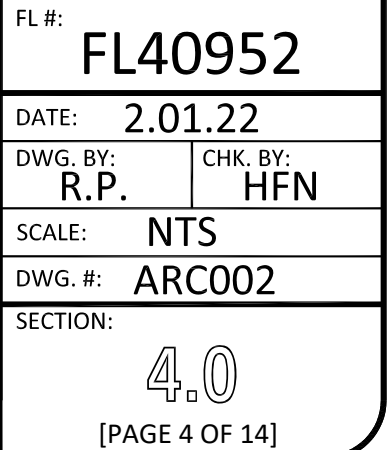
SECTION:

3.0

[PAGE 3 OF 14]

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398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

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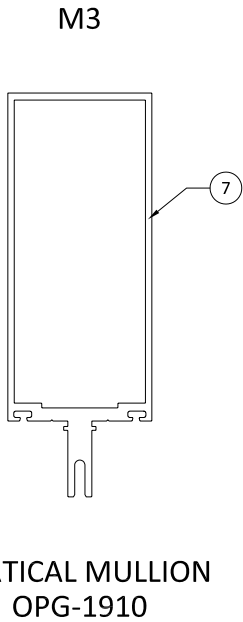
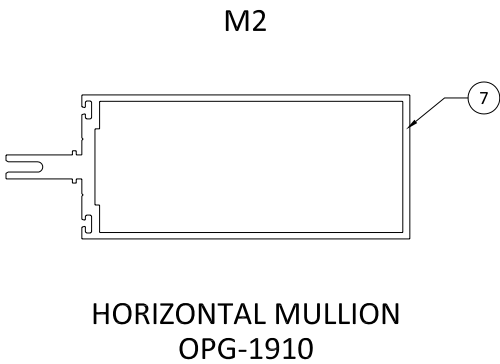
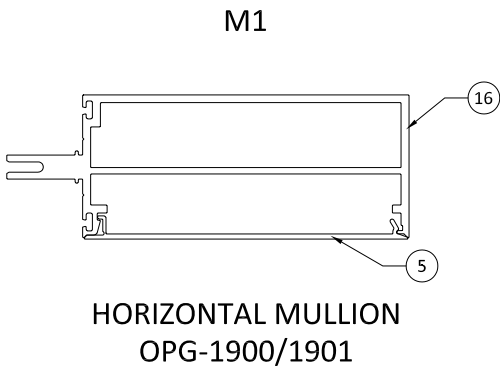
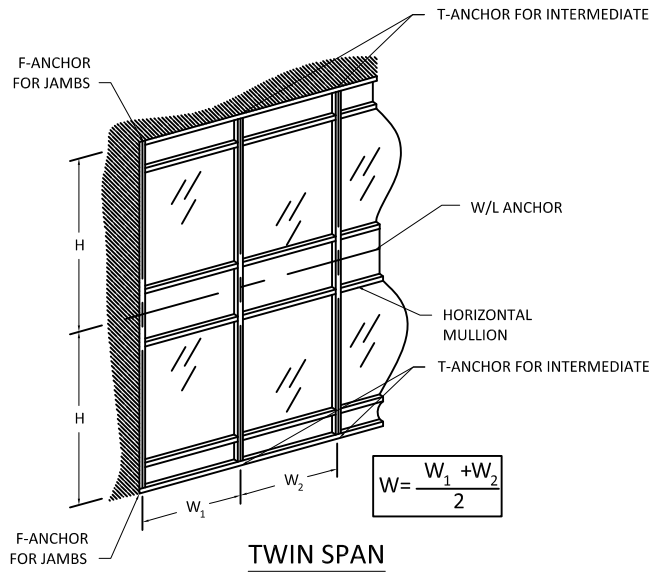
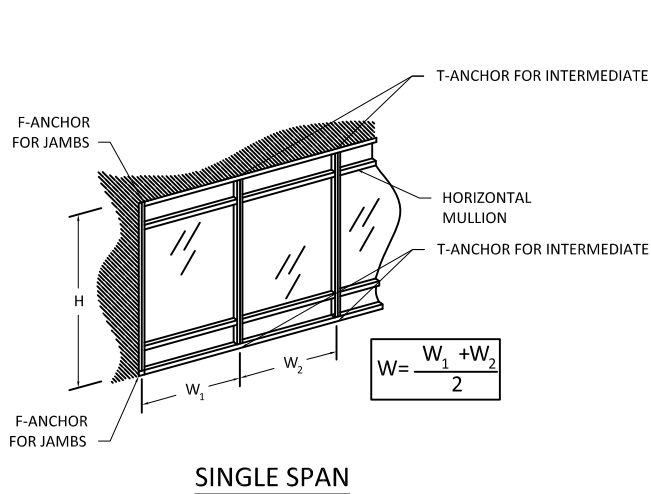


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MULLION CAPACITY CHARTS

- 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

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

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SECTION:

4.1

[PAGE 5 OF 14]

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		84.7
42		72.6
48	120	63.6
54		56.5
36		74.3
42		63.7
48		55.7
54		49.6
36	132	64.6
42		55.4
48		48.5
36		56.6
42	138	48.5
48		42.4
36		49.8
42		42.7
48		37.3
36		44.1
42	150	37.8
36		39.2
42	156	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		80.0	80.0
42		68.6	68.6
48	120	60.0	60.0
54		53.3	53.3
36		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		66.7	66.7
42	144	57.1	57.1
48		50.0	50.0
36		59.0	59.0
42		50.6	50.6
36	150	52.4	52.4
42		44.9	44.9
36	156		
42			
36			
42			
36			
42			



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

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

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
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SECTION:
4.2

[PAGE 6 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	61.5	80.0	90.0	70.1	105.1
66.0		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	67.5	80.0	90.0	67.3	100.9
60.0		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	73.5	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		77.1	86.7	-	-
66.0		70.1	78.8	-	-
30.0		80.0	90.0	72.0	108.0
36.0	79.5	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	-	-
60.0		77.1	86.7	-	-
66.0	85.5	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		80.0	90.0	-	-
57.8125	91.5	80.0	90.0	-	-
60.0		77.1	86.7	-	-
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	-	-
54.0	97.5	80.0	90.0	-	-
57.8125		80.0	90.0	-	-
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	-	-
54.0	103.5	80.0	90.0	-	-
57.8125		80.0	90.0	-	-
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	-	-
48.0		80.0	90.0	-	-
54.0	109.5	80.0	90.0	72.0	108.0
57.8125		80.0	90.0	72.0	108.0
30.0		80.0	90.0	-	-
36.0		80.0	90.0	-	-
42.0		80.0	90.0	-	-
48.0		80.0	90.0	-	-
54.0	115.5	80.0	90.0	72.0	108.0
57.8125		80.0	90.0	72.0	108.0
30.0		80.0	90.0	-	-
36.0		80.0	90.0	-	-
42.0		80.0	90.0	-	-
48.0		80.0	90.0	-	-
54.0	121.5	80.0	90.0	72.0	108.0
57.8125		80.0	90.0	-	-
30.0	127.5	80.0	90.0	-	-
36.0		80.0	90.0	-	-
42.0	133.5	80.0	90.0	-	-
48.0		80.0	90.0	-	-

1-5/16" INSULATED GLASS
GLASS CONSISTING OF:
1/4" HEAT STRENGTHENED
1/2" AIR SPACE
1/4" HEAT STRENGTHENED
0.060" SENTRY GLAS PLUS
INTERLAYER BY KURARAY
1/4" HEAT STRENGTHENED

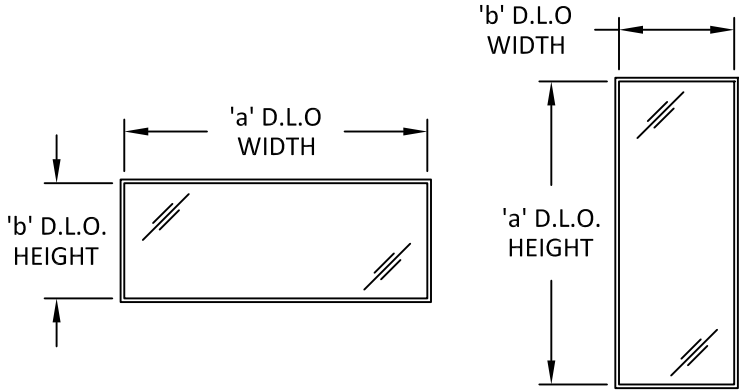
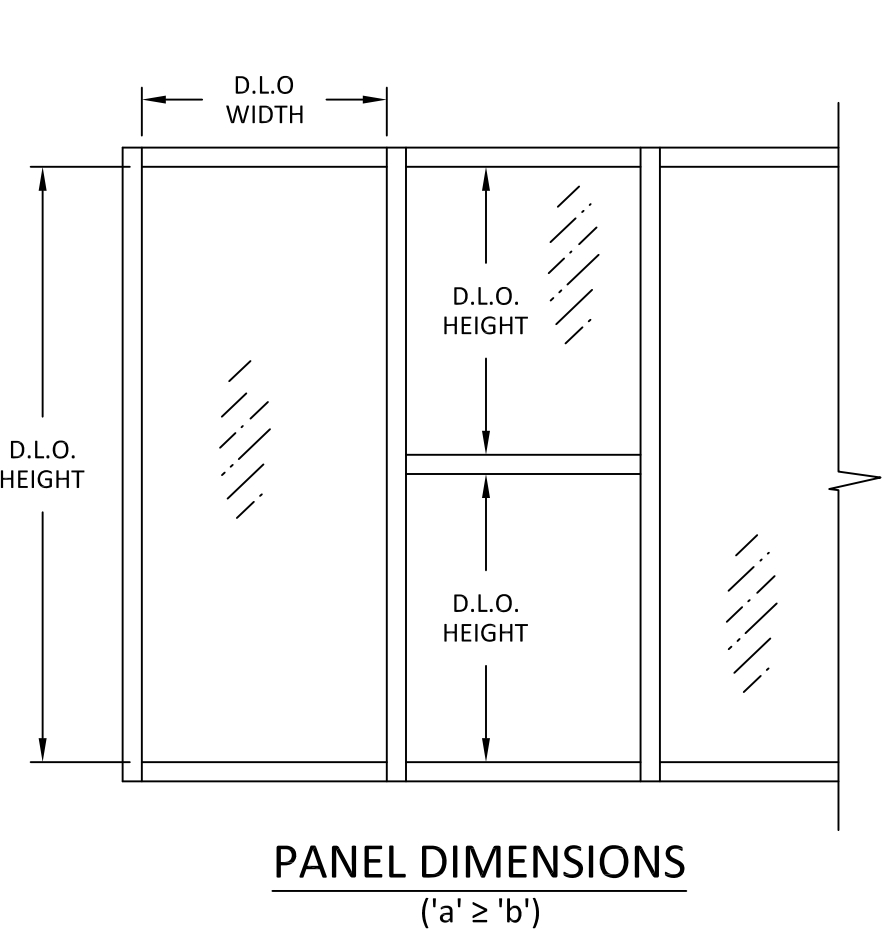
GLASS TYPE "A"
(MISSILE LEVEL D)

1-5/16" INSULATED GLASS
GLASS CONSISTING OF:
1/4" HEAT STRENGTHENED
1/2" AIR SPACE
1/4" HEAT STRENGTHENED
0.090" SENTRY GLAS PLUS
INTERLAYER BY KURARAY
1/4" HEAT STRENGTHENED

GLASS TYPE "B"
(MISSILE LEVEL D)

1-1/4" INSULATED GLASS
GLASS CONSISTING OF:
1/4" TEMPERED
7/16" AIR SPACE
3/16" HEAT STRENGTHENED
0.180" SENTRY GLAS PLUS
INTERLAYER BY KURARAY
3/16" HEAT STRENGTHENED

GLASS TYPE "C"
(MISSILE LEVEL E)



- NOTE:
- GLASS TYPE AND THICKNESS SHALL COMPLY 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, 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.**
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

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, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL40952

DATE: **2.01.22**

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

DWG. #: **ARC002**

SECTION: **5.0**

[PAGE 7 OF 14]

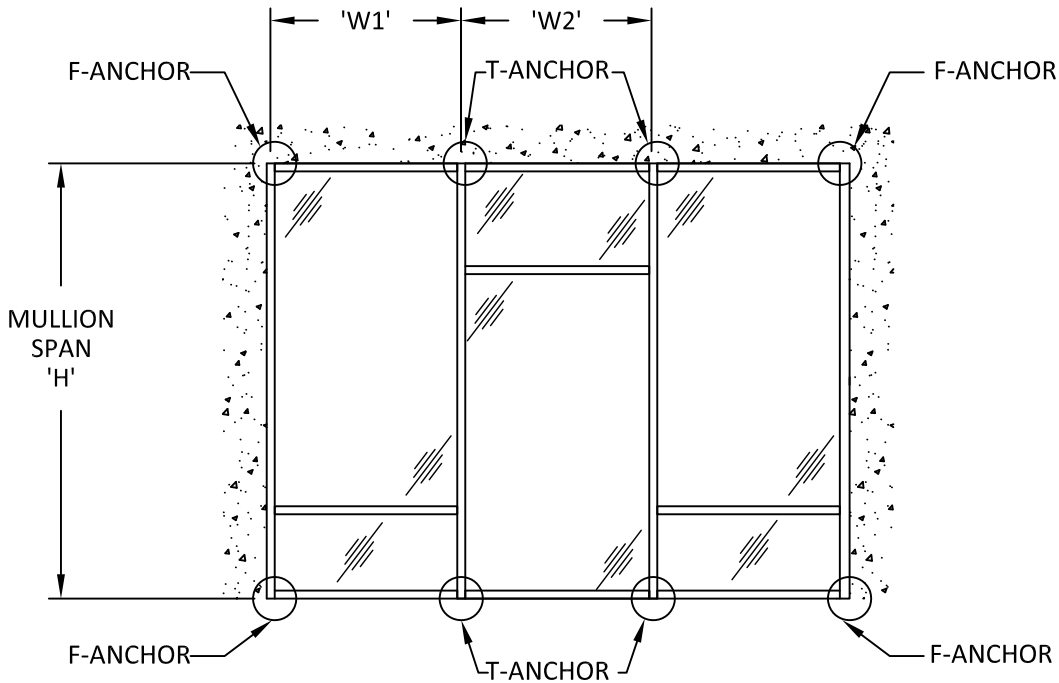
F & T ANCHORS

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"

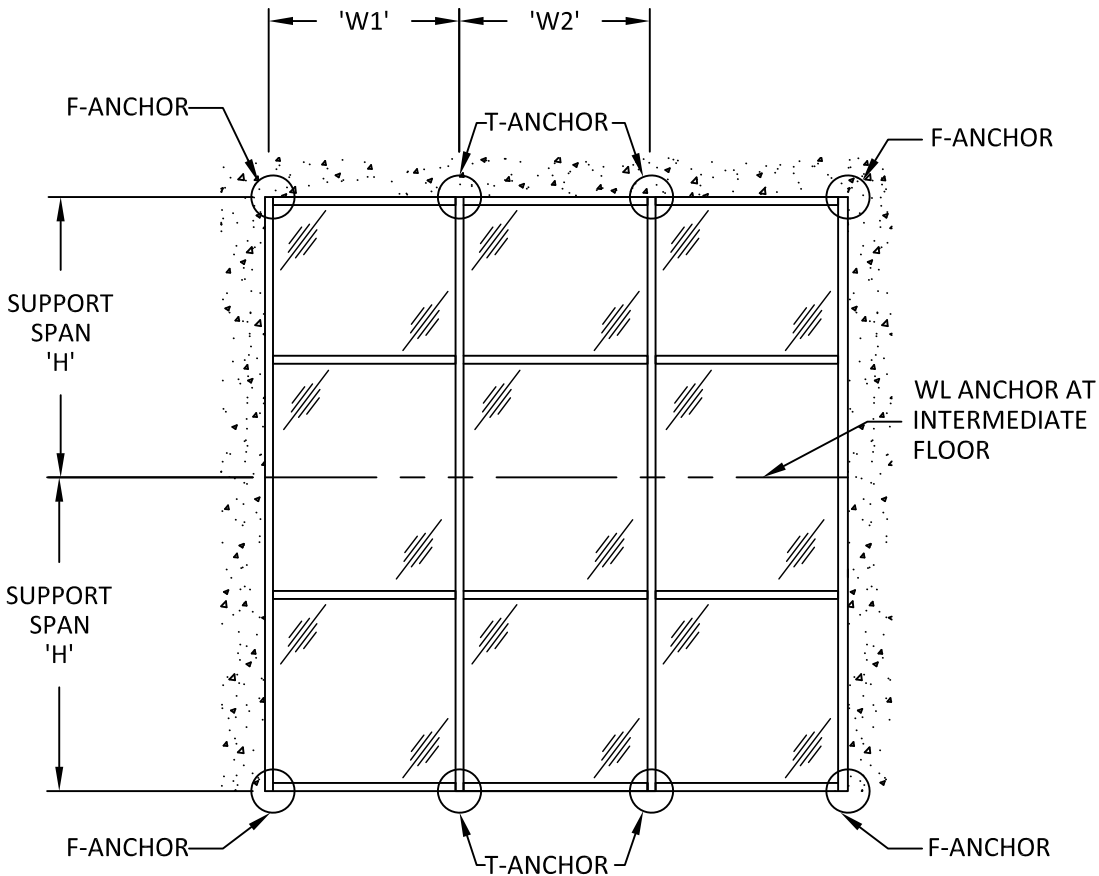
MULLION SPACING OR BAY WIDTH, 'W', FOR T-ANCHORS	$W = \frac{W1 + W2}{2}$
MULLION SPACING OR BAY WIDTH, 'W', FOR F-ANCHORS AT JAMBS	$W = W1$
MULLION SPACING OR BAY WIDTH, 'W', FOR F-ANCHORS AT VERTICAL MULL WITH DOORS	$W^* = \frac{W1 + W2}{2}$

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

- NOTE:
1. ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS.
 2. REFER TO ANCHOR LAYOUTS 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 7 FOR WIND/DEAD LOAD ANCHOR CONFIGURATIONS.
 5. REFER TO SECTION 6 FOR T & F ANCHOR TYPE CAPACITIES.
 6. 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.



SINGLE SPAN ANCHOR LAYOUT



MULTI SPAN ANCHOR LAYOUT - TYP.



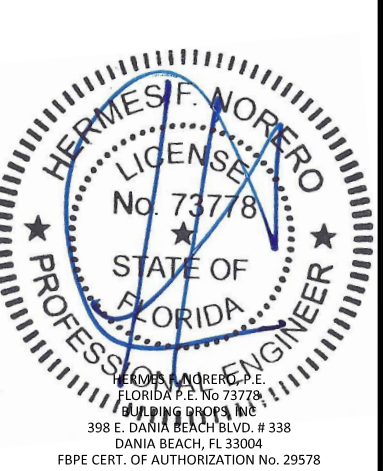
ARCADIA, INC.
2301 East Vernon Ave.
Vernon, CA 90058
(323)771-9819

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

PREPARED BY:
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:
FL40952

DATE:
2.01.22

DWG. BY:
R.P.

CHK. BY:
HFN

SCALE:
NTS

DWG. #:
ARC002

SECTION:
6.0

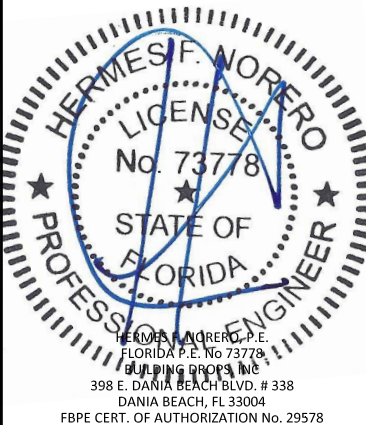
[PAGE 8 OF 14]

PREPARED BY:
BUILDING DROPS, INC.



REMARKS	BY	DATE

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



FL #: **FL40952**

DATE: 2.01.22

DWG. BY: R.P.	CHK. BY: HFI
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SCALE: NTS

DWG. #: **ARC002**

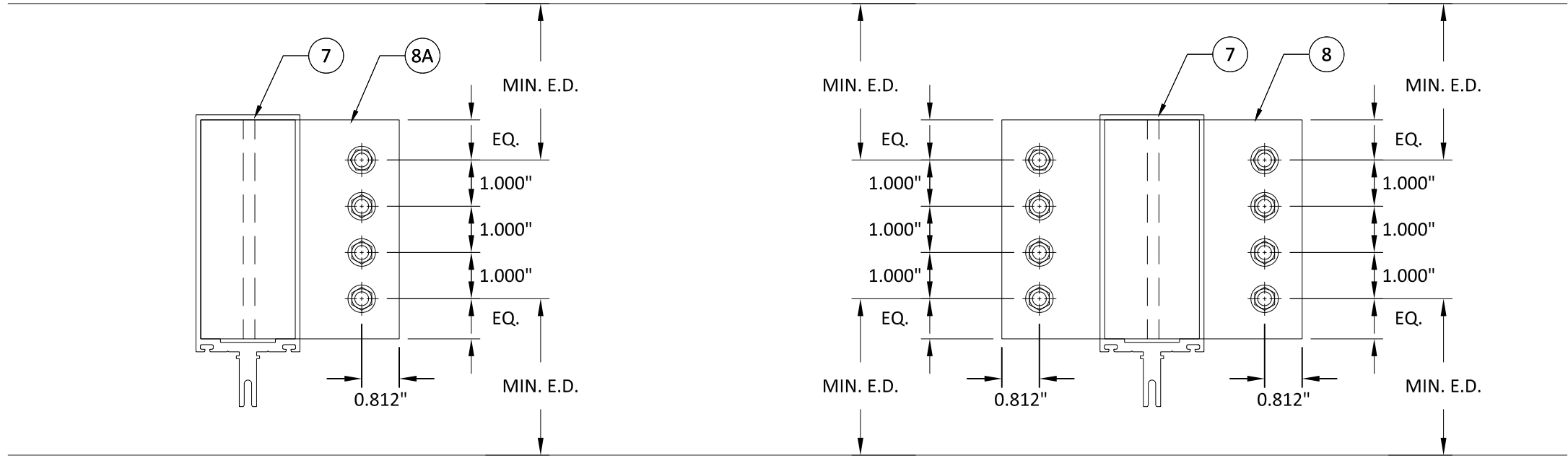
SECTION:

6.1

[PAGE 9 OF 14]

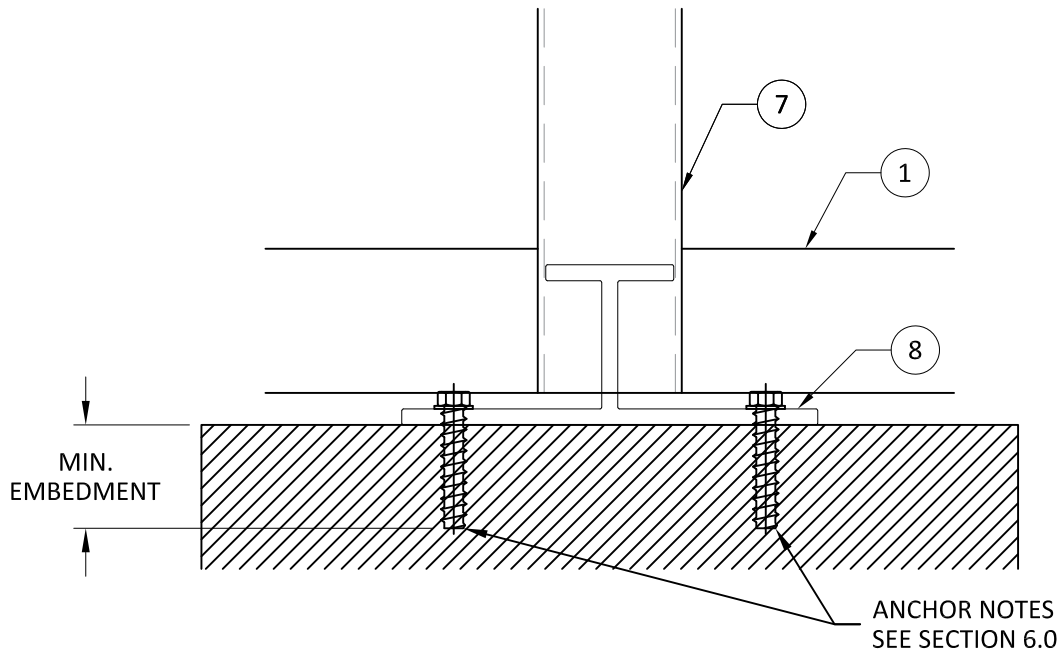
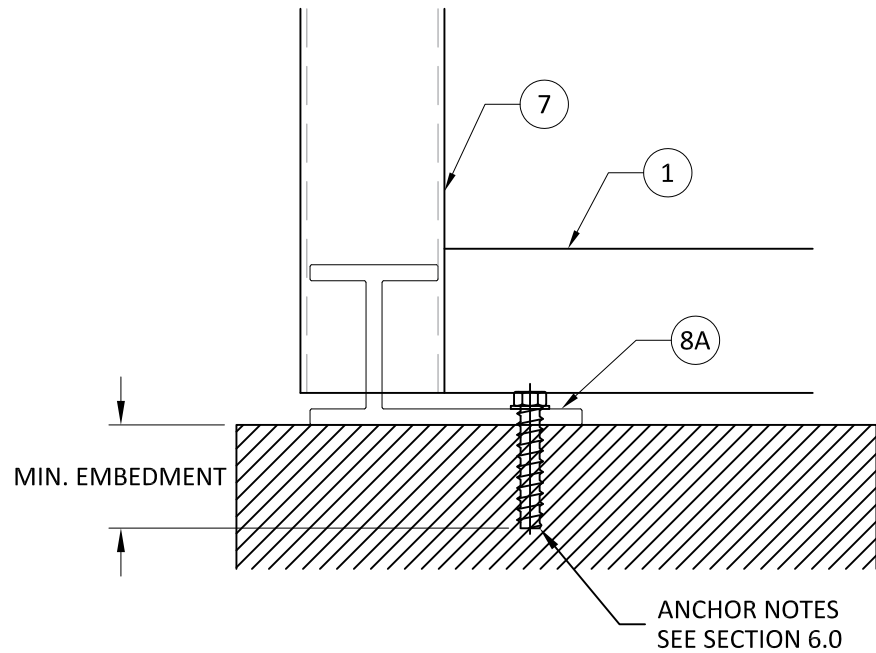


s:\projects\arcadia, inc.\bc-22-0129.1 - fbc submittal - tc470 aluminum storefront, opg1900 curtain wall system, t200 casement window, w512 entrance door, ms362 entrance door\dwg\ip1900 - curtain wall\arc002.dwg 2/14/2022 2:38 PM



5 HORIZONTAL SECTION
6.2 F-ANCHOR CONFIG 3

6 HORIZONTAL SECTION
6.2 T-ANCHOR CONFIG 3



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

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

BD BUILDING DROPS

REMARKS	BY	DATE

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FL #: FL40952

DATE: 2.01.22

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

SCALE: NTS

DWG. #: ARC002

SECTION: 6.2
[PAGE 10 OF 14]

s:\projects\arcadia, inc\fbc-22-0129.1 - fbc submittal - tc470 aluminum storefront, opg1900 curtain wall system, t200 casement window, ws512 entrance door, ms362 entrance door\dws\ip1900 - curtain wall\arc002.dwg 2/14/2022 2:38 PM

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



ARCADIA, INC.
2301 East Vernon Ave.
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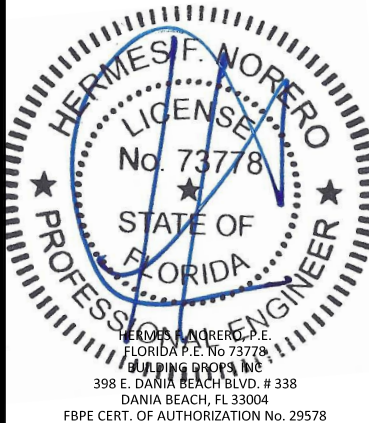
TITLE: IP1900 CURTAIN WALL SYSTEM (WZ3) (IMPACT) ANCHOR LOAD CAPACITY

PREPARED BY: BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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FL #: FL40952

DATE: 2.01.22

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

SCALE: NTS

DWG. #: ARC002

SECTION:

6.3

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		26.6	52.9	80.0	20.1	41.5	60.0	108.0	12.8	17.3	24.4	49.7	36.6	73.9
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		25.1	50.9	76.0	19.4	39.7	58.0	108.0	12.3	16.6	23.5	47.9	35.5	71.5
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
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
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
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
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
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
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.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744-4738
WEB: www.buildingdrops.com

REMARKS	BY	DATE

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HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL40952

DATE:

2.01.22

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

SCALE:

NTS

DWG. #:

ARC002

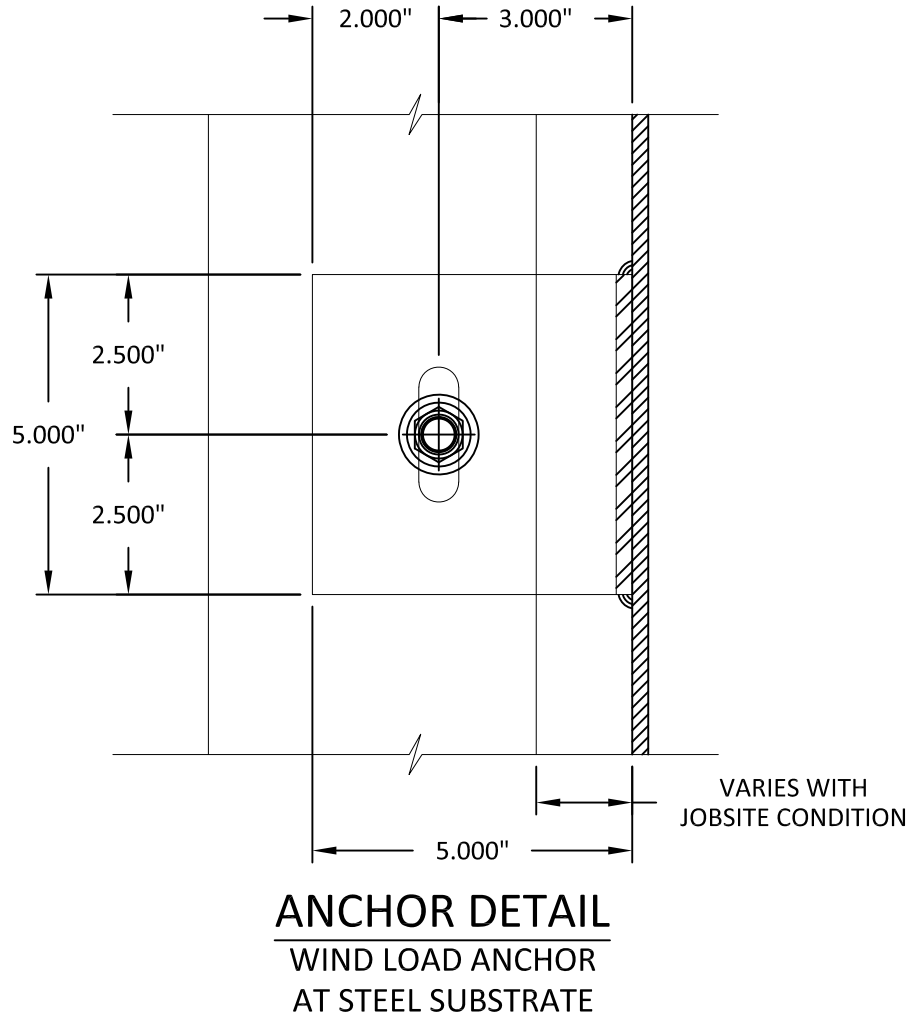
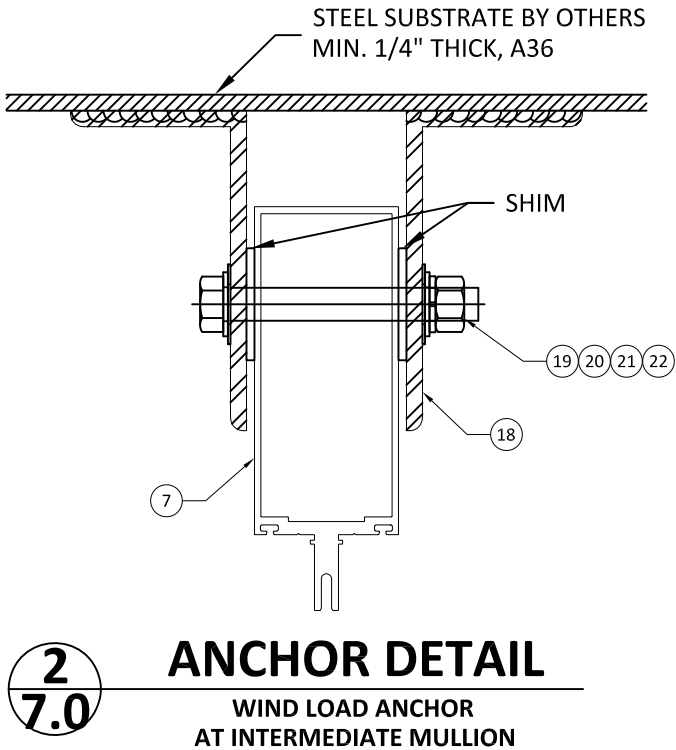
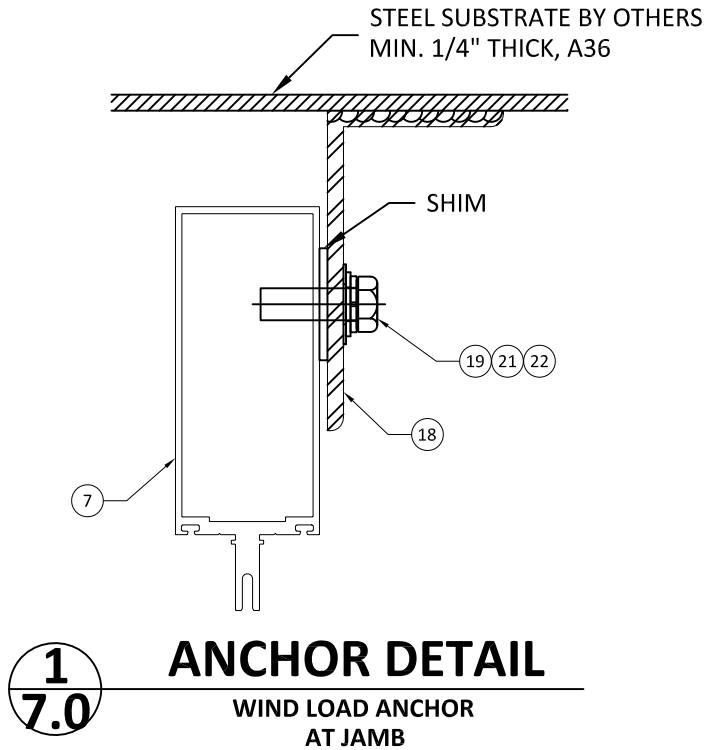
SECTION:

6.4

[PAGE 12 OF 14]

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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

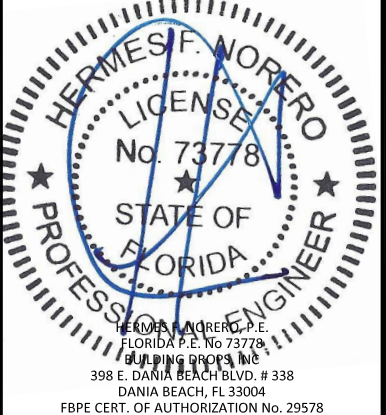
TITLE: IP1900
CURTAIN WALL SYSTEM
(WZ3) (IMPACT)
WIND LOAD ANCHOR

PREPARED BY: BUILDING DROPS, INC.
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DANIA BEACH, FL 33004
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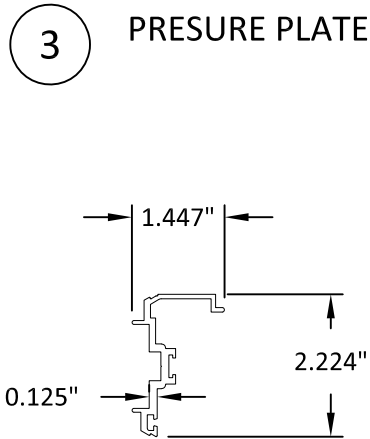
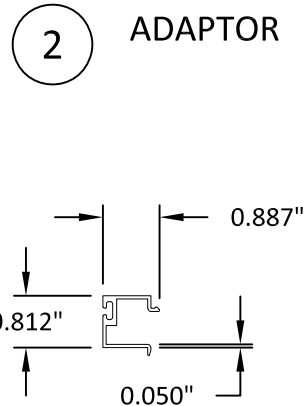
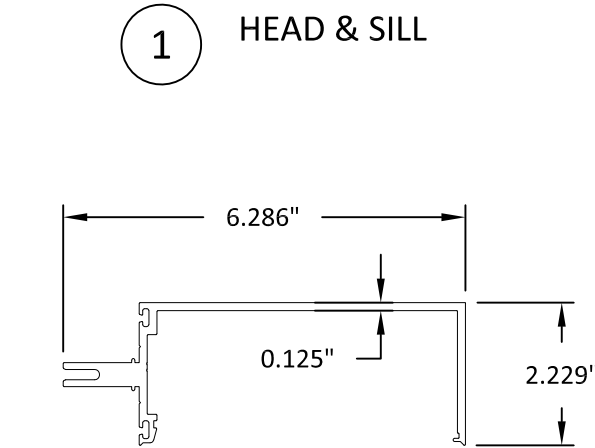
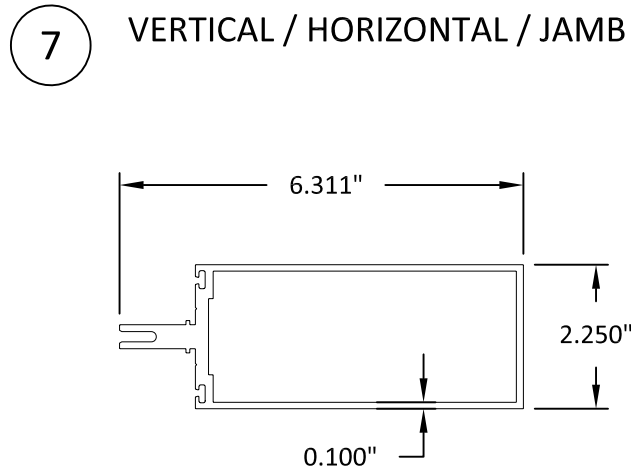
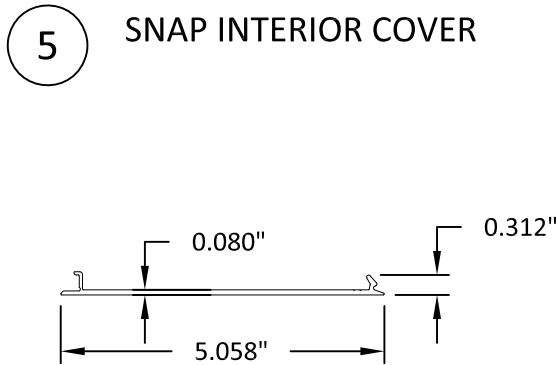
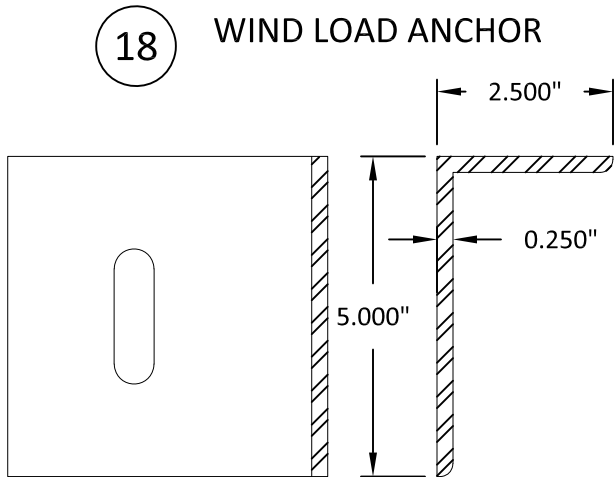
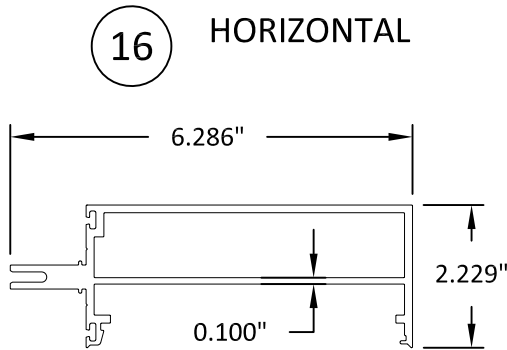
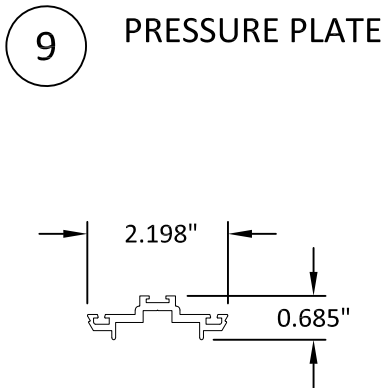
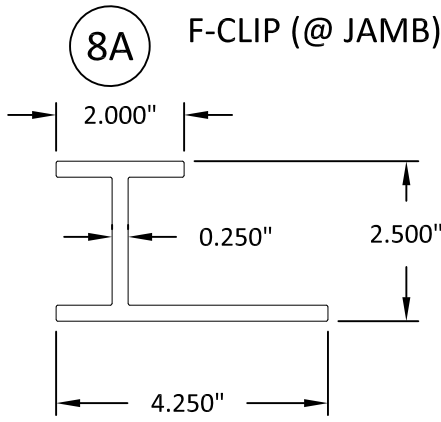
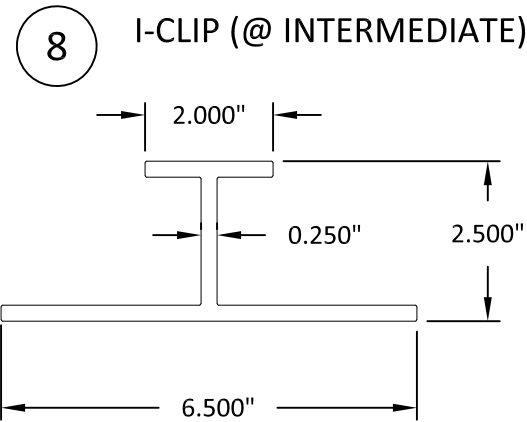
HERMES F. NORERO, P.E.
FLORIDA P.E. No. 73778
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD. # 338
DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

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

[PAGE 13 OF 14]

s:\projects\arcadia, inc.\bc-22-0128.1 - fbc submittal - tc470 aluminum storefront, opg1900 curtain wall system, t200 casement window, w512 entrance door, ms362 entrance door\dwgs\ip1900 - curtain wall\arc002.dwg 2/14/2022 2:39 PM

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



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