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ARCADIA INC.

SERIES IPTC-470 ALUMINUM STOREFRONT

(WZ3) (IMPACT)

INSTALLATION NOTES:

1. SEE SHEET 5 FOR ANCHOR TYPE REQUIREMENTS, MINIMUM EMBEDMENTS, AND MINIMUM EDGE DISTANCES. ALL ANCHOR REQUIREMENTS MUST BE ADHERED TO. ANY DEVIATIONS FROM ANCHOR REQUIREMENTS REQUIRES SEPARATE EVALUATION AND APPROVAL.

2. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.

3. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.

4. 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 TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.

5. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 1/2 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER. SEE SHEET 5 FOR ANCHOR INFORMATION.

6. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.

7. 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).

8. FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.

9. 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.

10.INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:

A. WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.

B. CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.

C. MASONRY - CMU UNIT STRENGTH CONFORMS TO ASTM C-90, WITH MIN. COMPRESSIVE STRENGTH OF 2000 PSI AND GROUT CONFORMS TO ASTM C 476, MIN. GROUT COMPRESSIVE STRENGTH OF 2000 PSI.

D. STEEL - MINIMUM YIELD STRENGTH OF 36 KSI. MINIMUM 18 GA. WALL THICKNESS.

E. ALUMINUM - MINIMUM 1/8 INCH THICK 6063-T5 ALUMINUM.

GENERAL NOTES:

1. THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), **EXCLUDING** HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:

ASTM E1886-13a

ASTM E1996-17

ASTM E283-04(12)

ASTM E330-14(21)

ASTM E331-00(23)

AAMA 501-24

2. ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING AND METAL 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.

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.

5. APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 3 OR LESS.

6. APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE IN WIND ZONE 4.

7. STOREFRONT FRAME MATERIAL: ALUMINUM 6063-T6

8. ALL STRUCTURAL MATERIALS & DISSIMILAR METALS SHALL BE PROTECTED, TREATED, PAINTED, COATED, AND/OR ISOLATED AS REQUIRED IN THE APPLICABLE SECTIONS OF THE CURRENT FLORIDA BUILDING CODE AND REFERENCED DESIGN SPECIFICATIONS.

9. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 3 FOR GLAZING DETAILS.

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SHEET	SHEET DESCRIPTION
1	INSTALLATION & GENERAL NOTES
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3	GLAZING DETAILS AND GLASS CAPACITY TABLE
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6	ANCHOR TYPES A, B & C CAPACITY TABLES
7	VERTICAL SECTIONS
8	HORIZONTAL SECTIONS
9	BILL OF MATERIALS AND COMPONENTS
10	COMPONENTS

INSTRUCTIONS FOR USE:

1. DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BUILDING HEIGHT, RISK CATEGORY, & WIND ZONE USING APPLICABLE ASCE 7 STANDARD.

2. SEE CHARTS ON SHEET 3 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.

3. CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEET 4 AND 5.

4. USING CHART ON SHEET 6 SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.

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



ARCADIA, INC.
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TITLE: SERIES IPTC-470 ALUMINUM
STOREFRONT
(WZ3) (IMPACT)
INSTALLATION & GENERAL NOTES

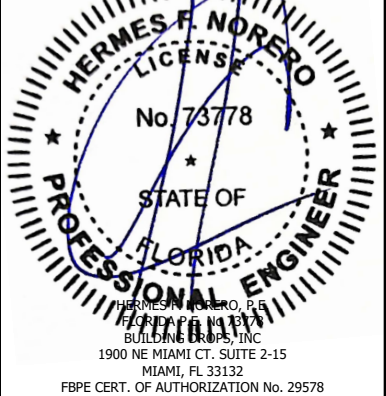
PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
MIAMI, FL 33132
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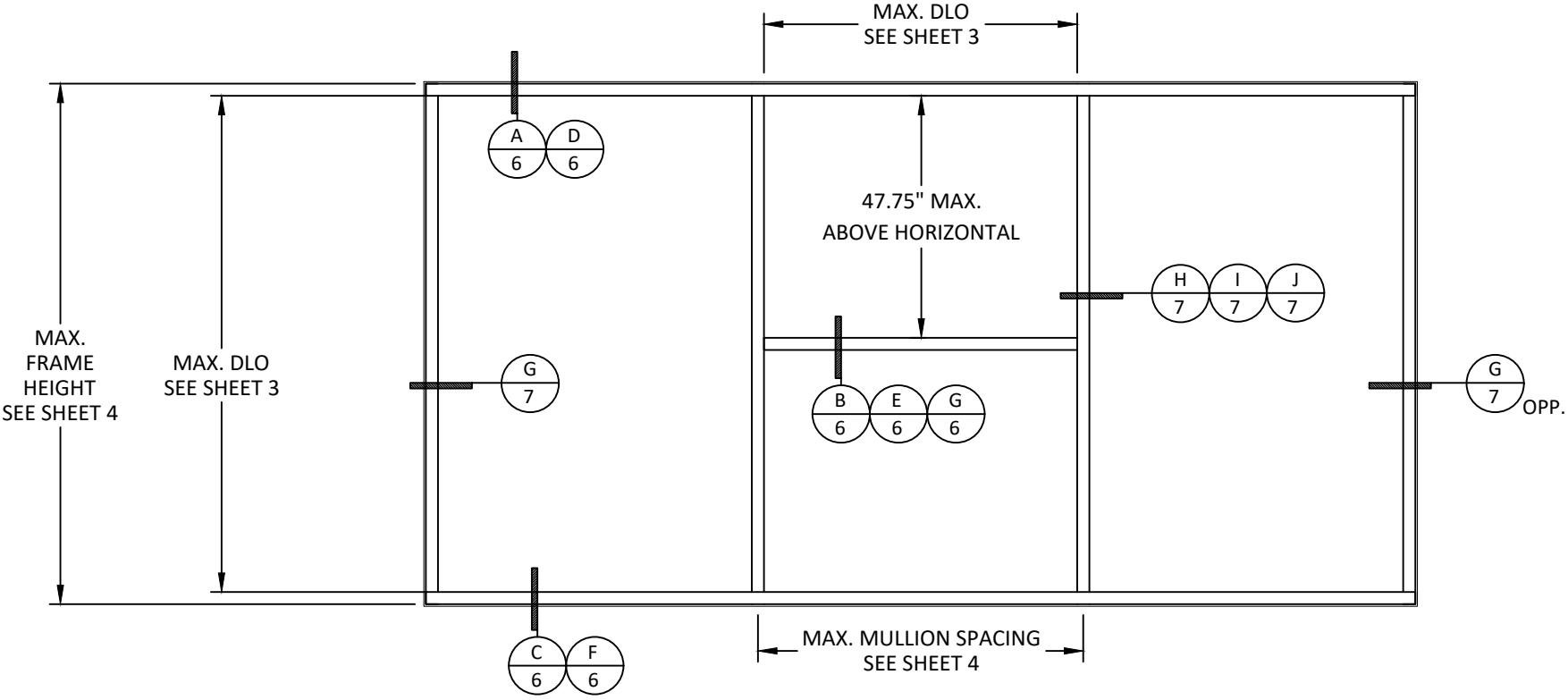
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Reason: I am approving this document
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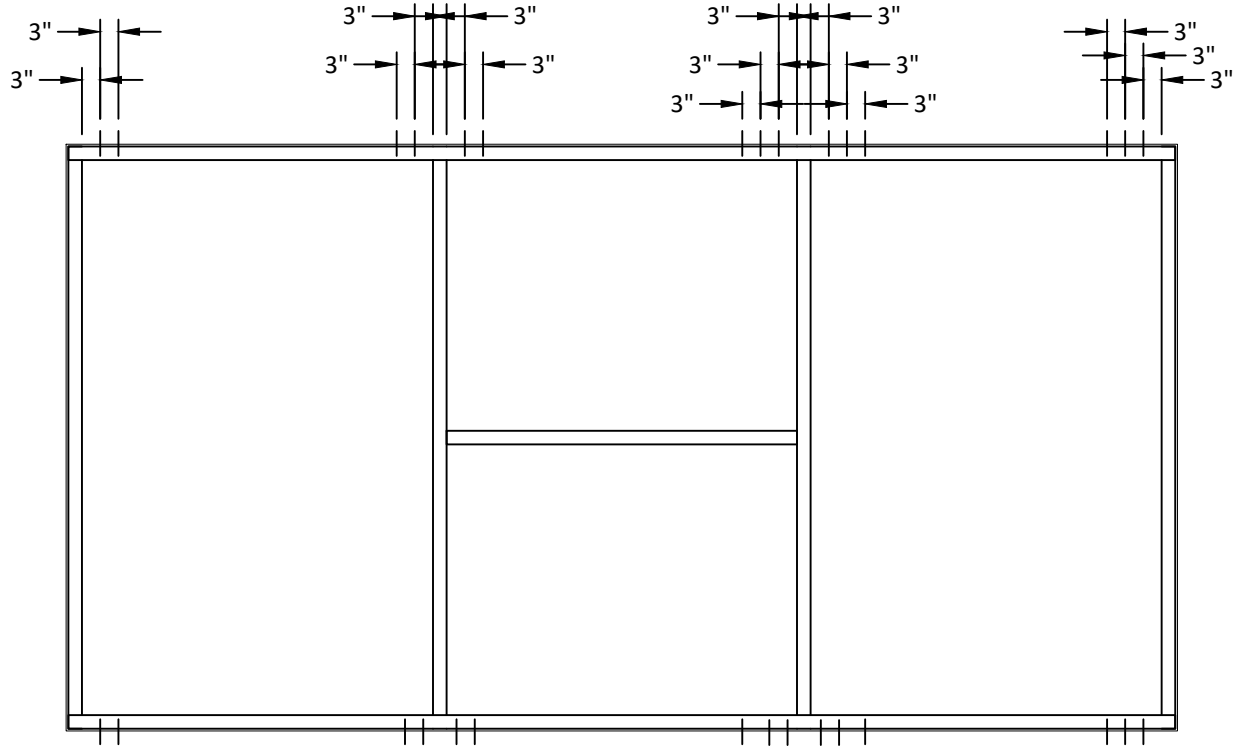


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ELEVATION



TYPICAL ANCHOR LAYOUT

NOTE:
SEE SHEET 6 FOR CORRESPONDING
ANCHOR TYPES AND CAPACITIES.



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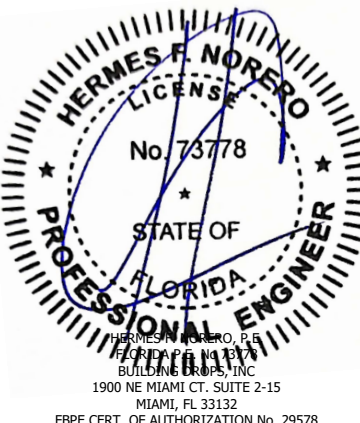
SERIES ITC-470
ALUMINUM STOREFRONT
(WZ3) (IMPACT)
ELEVATION &
ANCHOR LAYOUT

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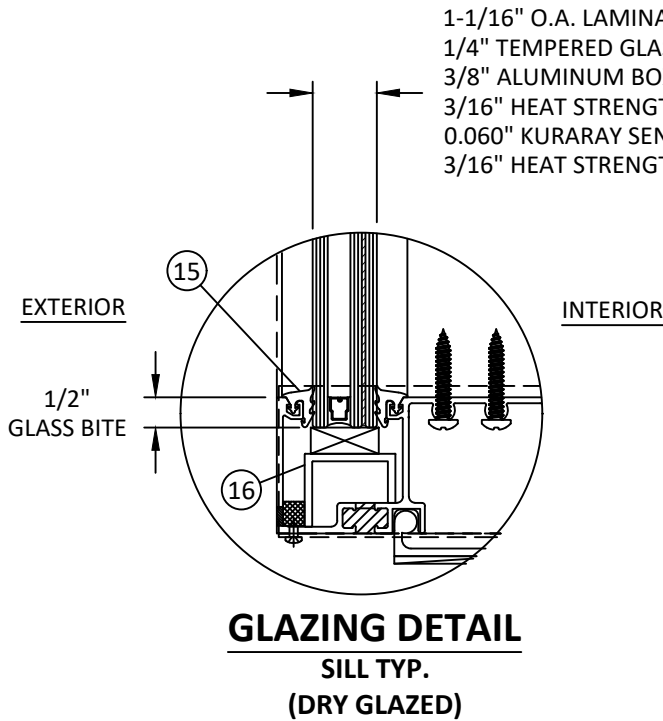
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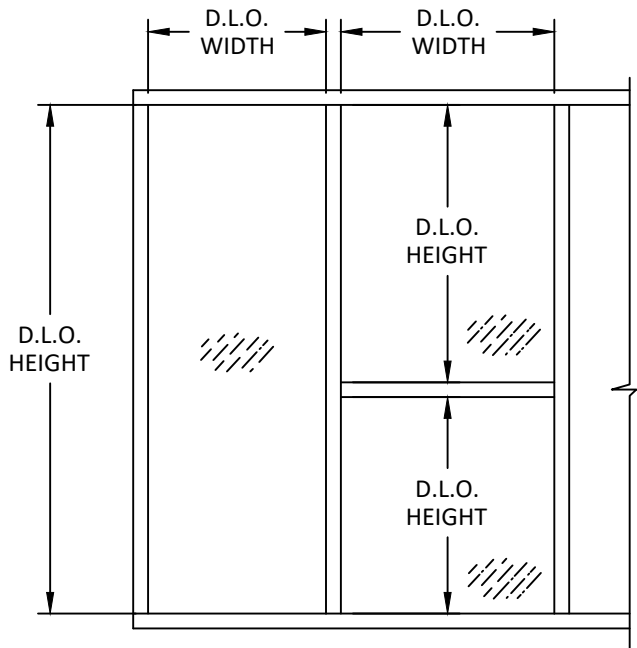
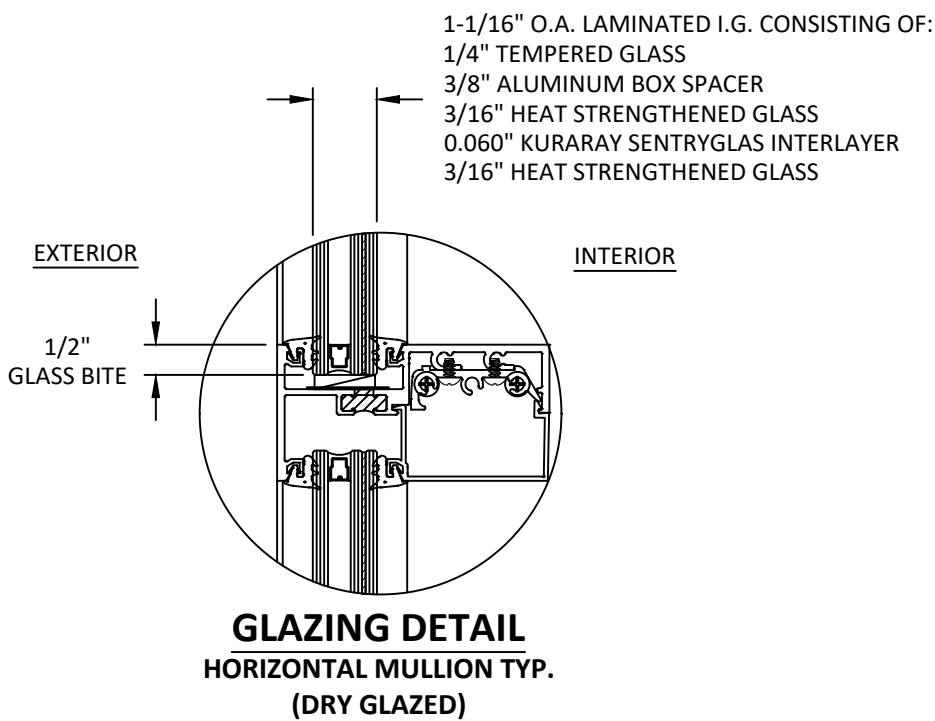
GLAZING DETAILS AND GLASS CAPACITY TABLE

LARGE OR SMALL MISSILE IMPACT

GLASS LOAD CAPACITY (PSF)			GLASS LOAD CAPACITY (PSF)		
DAYLIGHT OPENING (IN)		GLASS TYPE	DAYLIGHT OPENING (IN)		GLASS TYPE
DLO WIDTH	DLO HEIGHT	EXT. (+) INT. (-)	DLO WIDTH	DLO HEIGHT	EXT. (+) INT. (-)
27.625	43	60.0	27.625	79	60.0
33.625		60.0	33.625		60.0
39.625		60.0	39.625		60.0
45.625		60.0	45.625		60.0
51.625		60.0	51.625		60.0
57.625		60.0	57.625		60.0
63.625		56.1	63.625		54.3
69.625	49	49.1	65.625	85	52.7
75.625		43.7	27.625		60.0
27.625		60.0	33.625		60.0
33.625		60.0	39.625		60.0
39.625		60.0	45.625		60.0
45.625		60.0	51.625		60.0
51.625		60.0	57.625		60.0
57.625	55	60.0	61.625	91	56.1
63.625		60.0	27.625		60.0
69.625		52.4	33.625		60.0
75.625		46.2	39.625		60.0
27.625		60.0	45.625		60.0
33.625		60.0	51.625		60.0
39.625		60.0	57.625		60.0
45.625	61	60.0	27.625	97	60.0
51.625		60.0	33.625		60.0
57.625		60.0	39.625		60.0
63.625		60.0	45.625		60.0
69.625		56.1	51.625		60.0
75.625		49.1	53.625		60.0
33.625	67	60.0	27.625	103	60.0
39.625		60.0	33.625		60.0
45.625		60.0	39.625		60.0
51.625		60.0	45.625		60.0
57.625		60.0	50.625		60.0
63.625		59.1	27.625	109	60.0
69.625		60.0	33.625		60.0
75.625	73	52.4	39.625		60.0
27.625		60.0	45.625		60.0
33.625		60.0	47.625		60.0
39.625		60.0	27.625	115	60.0
45.625		60.0	33.625		60.0
51.625		60.0	39.625		60.0
57.625		60.0	44.625		60.0
63.625	79	54.3			
69.625		53.6			
75.625		56.1			
27.625	85	60.0			
33.625		60.0			
39.625		60.0			
45.625		60.0			
51.625	91	60.0			
57.625		60.0			
63.625		54.3			
69.625		49.7			
71.625		48.3			



- NOTE:
- 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.



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TITLE: SERIES IPTC-470
ALUMINUM STOREFRONT
(WZ3) (IMPACT)
GLAZING DETAIL AND
GLASS CAPACITY TABLE

PREPARED BY: BUILDING DROPS, INC.
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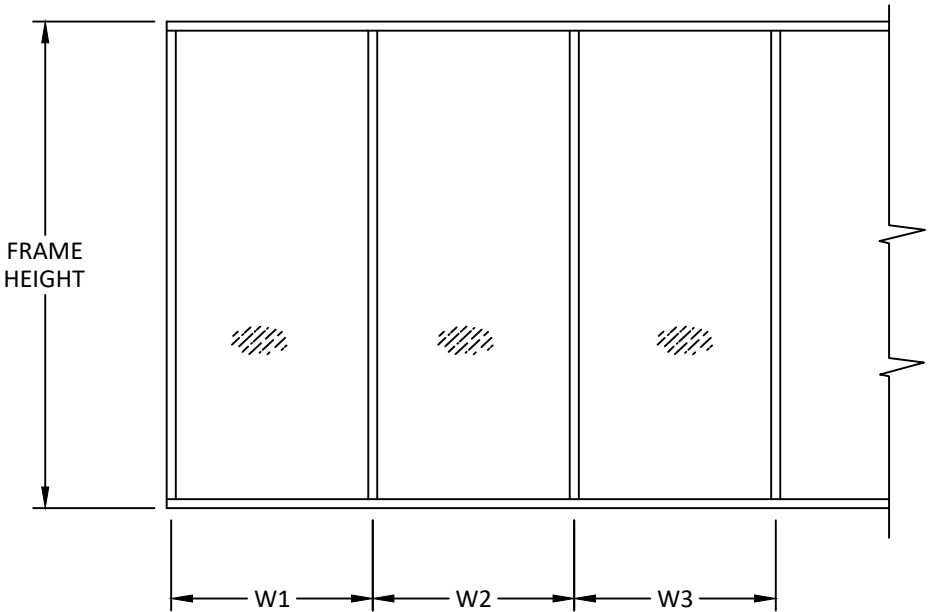


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MULLION CAPACITY TABLES

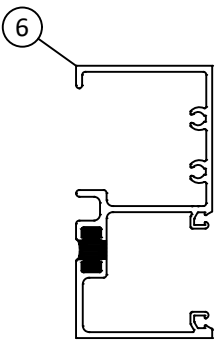
DESIGN LOAD CAPACITY - PSF					
NOMINAL DIMS.		JAMB - J1	MULLION - M1	MULLION - M2	MULLION - M3
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30.875	47.5	60.0	60.0	60.0	60.0
36.875		60.0	60.0	60.0	60.0
42.875		60.0	60.0	60.0	60.0
46.875		60.0	60.0	60.0	60.0
30.875	53.5	60.0	60.0	60.0	60.0
36.875		60.0	60.0	60.0	60.0
42.875		60.0	60.0	60.0	60.0
48.875		60.0	60.0	60.0	60.0
52.875		60.0	60.0	60.0	60.0
30.875	59.5	60.0	60.0	60.0	60.0
36.875		60.0	60.0	60.0	60.0
42.875		60.0	60.0	60.0	60.0
48.875		60.0	60.0	60.0	60.0
54.875		60.0	60.0	60.0	60.0
58.875		60.0	60.0	60.0	60.0
30.875	65.5	60.0	60.0	60.0	60.0
36.875		60.0	60.0	60.0	60.0
42.875		60.0	60.0	60.0	60.0
48.875		60.0	60.0	60.0	60.0
54.875		60.0	60.0	60.0	60.0
60.875		60.0	60.0	60.0	60.0
64.875		60.0	60.0	60.0	60.0
68.875		60.0	60.0	60.0	60.0
30.875	71.5	60.0	60.0	60.0	60.0
36.875		60.0	60.0	60.0	60.0
42.875		60.0	60.0	60.0	60.0
48.875		60.0	60.0	60.0	60.0
54.875		60.0	60.0	60.0	60.0
60.875		60.0	60.0	60.0	60.0
66.875		60.0	60.0	60.0	60.0
70.875		60.0	60.0	60.0	60.0
30.875	77.5	60.0	60.0	60.0	60.0
36.875		60.0	60.0	60.0	60.0
42.875		60.0	60.0	60.0	60.0
48.875		60.0	60.0	60.0	60.0
54.875		60.0	60.0	60.0	60.0
60.875		60.0	60.0	60.0	60.0
66.875		60.0	60.0	60.0	60.0
72.875		58.5	60.0	60.0	60.0

DESIGN LOAD CAPACITY - PSF					
NOMINAL DIMS.		JAMB - J1	MULLION - M1	MULLION - M2	MULLION - M3
WIDTH (W)	FRAME HEIGHT	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)	EXT. (+) INT. (-)
30.875	83.5	60.0	60.0	60.0	60.0
36.875		60.0	60.0	60.0	60.0
42.875		60.0	60.0	60.0	60.0
48.875		60.0	60.0	60.0	60.0
54.875		60.0	60.0	60.0	60.0
60.875		60.0	60.0	60.0	60.0
66.875		59.1	60.0	60.0	60.0
30.875	89.5	60.0	60.0	60.0	60.0
36.875		60.0	60.0	60.0	60.0
42.875		60.0	60.0	60.0	60.0
48.875		60.0	60.0	60.0	60.0
54.875		60.0	60.0	60.0	60.0
60.875		60.0	60.0	54.5	60.0
30.875	95.5	60.0	60.0	60.0	60.0
36.875		60.0	60.0	60.0	60.0
42.875		60.0	60.0	60.0	60.0
48.875		60.0	60.0	55.9	60.0
54.875		60.0	60.0	49.8	60.0
59.875	101.5	57.7	60.0	45.6	60.0
30.875		60.0	60.0	60.0	60.0
36.875		60.0	60.0	60.0	60.0
42.875		60.0	60.0	53.1	60.0
48.875		58.9	60.0	46.6	60.0
53.875		53.5	55.7	42.2	59.3
30.875		60.0	60.0	60.0	60.0
36.875		60.0	60.0	51.9	60.0
42.875		56.5	59.0	44.7	60.0
48.875		49.6	51.7	39.2	55.0
50.875	107.5	47.6	49.7	37.6	52.8
30.875		60.0	60.0	52.7	60.0
36.875		55.9	58.2	44.1	60.0
42.875		48.0	50.1	38.0	53.3
47.875		43.0	44.9	34.0	47.7
30.875	113.5	57.2	59.6	45.2	60.0
36.875		47.9	49.9	37.8	53.1
42.875		41.2	42.9	32.5	45.6
45.875		38.5	40.1	30.4	42.7

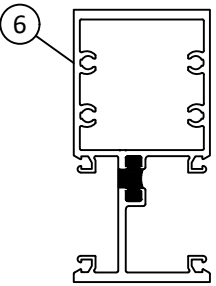


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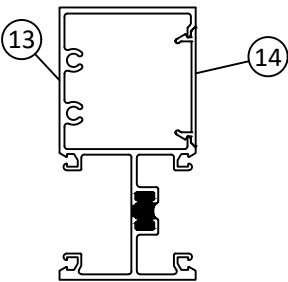
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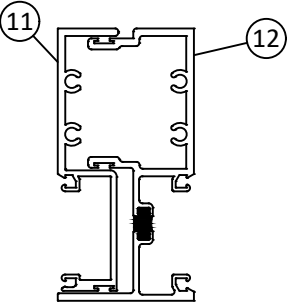
JAMB 'J1'



MILLION 'M1'



MULLION 'M2'



MULLION 'M3'



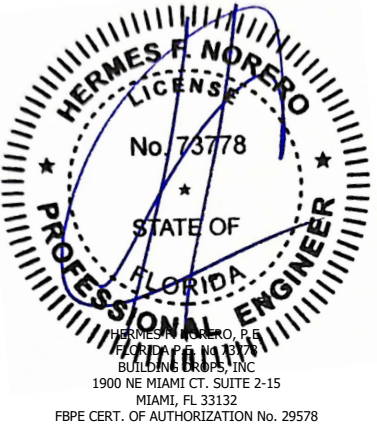
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ALUMINUM STOREFRONT
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MULLION CAPACITY TABLES

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FL #: FL40951

DATE: 01.28.22

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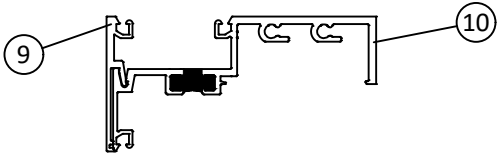
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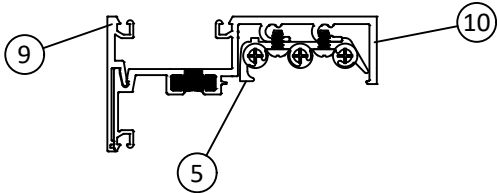
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1	A

HORIZONTAL MULLION CAPACITY TABLE

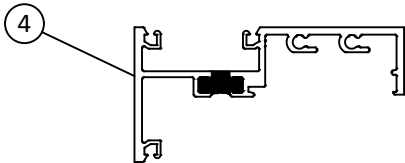
LIMIT DESIGN LOADS FOR HORIZONTAL AS FOLLOWS			
MAX HORIZ. SPAN (in.)	MAX GLASS HEIGHT ABOVE HORIZ. (in.)	MAX DESIGN LOADS (PSF)	
		Horizontal - H1	Horizontal - H2
29.875	23.75	60	60
35.875	29.75	60	60
41.875	35.75	60	60
47.875	41.75	60	60
53.875	47.75	60	60
59.875	47.75	60	60
65.875	41.75	60	60
71.875	35.75	60	60



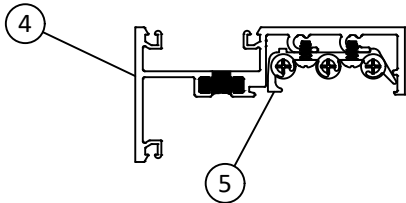
HORIZONTAL - 'H1'
(SCREW SPLINE)



HORIZONTAL - 'H1'
(CLIP)



HORIZONTAL - 'H2'
(SCREW SPLINE)



HORIZONTAL - 'H2'
(CLIP)

NOTE:
VALUES SHOWN ARE APPLICABLE TO
SCREW SPLINE AND CLIP HORIZONTAL.



2301 EAST VERNON AVE.
VERNON, CA 90058
PH: (323) 908-5416

TITLE: SERIES IPTC-470
ALUMINUM STOREFRONT
(WZ3) (IMPACT)
HORIZONTAL MULLION
CAPACITY TABLE

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.



FL #:		FL40951	
DATE:		01.28.22	
DWG. BY:	RP/SH	CHK. BY:	HN
SCALE:		NTS	
DWG. #:		ARC001	
SHEET:		5	
		REV.	A
OF 10			

ANCHOR TYPES 'A, B, & C' CAPACITY TABLES

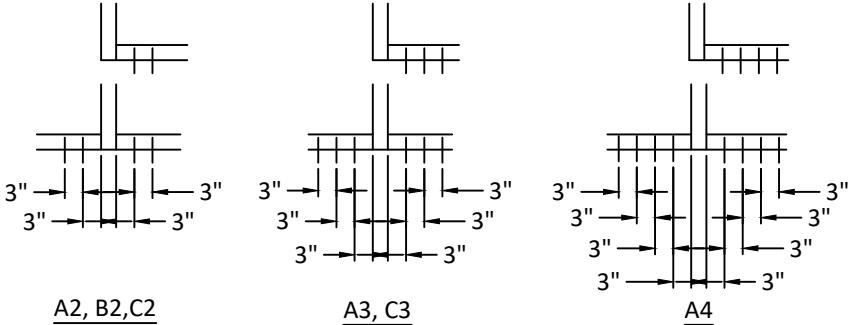
ANCHOR LOAD CAPACITY - PSF							
EXT. (+) & INT. (-)							
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'	ANCHORS TYPE 'C'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	C2	C3
30.9	47.5	60.0	60.0	60.0	60.0	60.0	60.0
36.9		60.0	60.0	60.0	60.0	60.0	60.0
42.9		60.0	60.0	60.0	60.0	60.0	60.0
46.9		60.0	60.0	60.0	60.0	60.0	60.0
30.9	53.5	60.0	60.0	60.0	60.0	60.0	60.0
36.9		60.0	60.0	60.0	60.0	60.0	60.0
42.9		60.0	60.0	60.0	60.0	60.0	60.0
48.9		60.0	60.0	60.0	60.0	60.0	60.0
52.9	59.5	60.0	60.0	60.0	60.0	60.0	60.0
30.9		60.0	60.0	60.0	60.0	60.0	60.0
36.9		60.0	60.0	60.0	60.0	60.0	60.0
42.9		60.0	60.0	60.0	60.0	60.0	60.0
48.9	65.5	60.0	60.0	60.0	60.0	60.0	60.0
54.9		60.0	60.0	60.0	60.0	60.0	60.0
58.9		55.9	60.0	60.0	60.0	60.0	60.0
30.9		60.0	60.0	60.0	60.0	60.0	60.0
36.9	71.5	60.0	60.0	60.0	60.0	60.0	60.0
42.9		60.0	60.0	60.0	60.0	60.0	60.0
48.9		60.0	60.0	60.0	60.0	60.0	60.0
54.9		60.0	60.0	60.0	60.0	60.0	60.0
60.9	77.5	45.0	60.0	60.0	60.0	60.0	60.0
66.9		41.0	60.0	60.0	60.0	60.0	60.0
70.9		38.6	58.0	60.0	60.0	58.7	60.0
30.9		60.0	60.0	60.0	60.0	60.0	60.0
36.9	83.5	60.0	60.0	60.0	60.0	60.0	60.0
42.9		60.0	60.0	60.0	60.0	60.0	60.0
48.9		60.0	60.0	60.0	60.0	60.0	60.0
54.9		60.0	60.0	60.0	60.0	60.0	60.0
60.9	89.5	60.0	60.0	60.0	60.0	60.0	60.0
66.9		58.9	60.0	60.0	60.0	60.0	60.0
72.9		51.7	60.0	60.0	60.0	60.0	60.0
78.9		46.0	60.0	60.0	60.0	60.0	60.0
84.9	95.5	41.5	60.0	60.0	60.0	60.0	60.0
90.9		37.8	56.7	60.0	60.0	57.4	60.0
96.9		34.7	52.0	60.0	60.0	52.7	60.0
102.9		31.6	47.3	60.0	60.0	48.0	60.0

ANCHOR LOAD CAPACITY - PSF							
EXT. (+) & INT. (-)							
NOMINAL DIMS.		ANCHORS TYPE 'A'			ANCHORS TYPE 'B'	ANCHORS TYPE 'C'	
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	B2	C2	C3
30.9	83.5	60.0	60.0	60.0	60.0	60.0	60.0
36.9		60.0	60.0	60.0	60.0	60.0	60.0
42.9		54.7	60.0	60.0	60.0	60.0	60.0
48.9		48.0	60.0	60.0	60.0	60.0	60.0
54.9	89.5	42.7	60.0	60.0	60.0	60.0	60.0
60.9		38.5	57.8	60.0	60.0	58.5	60.0
66.9		35.1	52.6	60.0	60.0	53.3	60.0
72.9		31.0	47.3	60.0	60.0	48.0	60.0
78.9	95.5	27.0	42.0	60.0	60.0	43.0	60.0
84.9		23.0	37.4	60.0	60.0	38.0	60.0
90.9		19.0	32.9	60.0	60.0	33.0	60.0
96.9		15.0	28.4	60.0	60.0	28.0	60.0
102.9	101.5	11.0	23.9	60.0	60.0	23.0	60.0
108.9		7.0	19.4	60.0	60.0	18.0	60.0
114.9		3.0	14.9	60.0	60.0	13.0	60.0
120.9		0.0	10.4	60.0	60.0	8.0	60.0
126.9	107.5	0.0	6.0	60.0	60.0	4.0	60.0
132.9		0.0	2.0	60.0	60.0	0.0	60.0
138.9		0.0	0.0	60.0	60.0	0.0	60.0
144.9		0.0	0.0	60.0	60.0	0.0	60.0
150.9	113.5	0.0	0.0	60.0	60.0	0.0	60.0
156.9		0.0	0.0	60.0	60.0	0.0	60.0
162.9		0.0	0.0	60.0	60.0	0.0	60.0
168.9		0.0	0.0	60.0	60.0	0.0	60.0
174.9	119.5	0.0	0.0	60.0	60.0	0.0	60.0
180.9		0.0	0.0	60.0	60.0	0.0	60.0
186.9		0.0	0.0	60.0	60.0	0.0	60.0
192.9		0.0	0.0	60.0	60.0	0.0	60.0

ANCHORS TYPES: SEE TABLE BELOW FOR DESCRIPTION

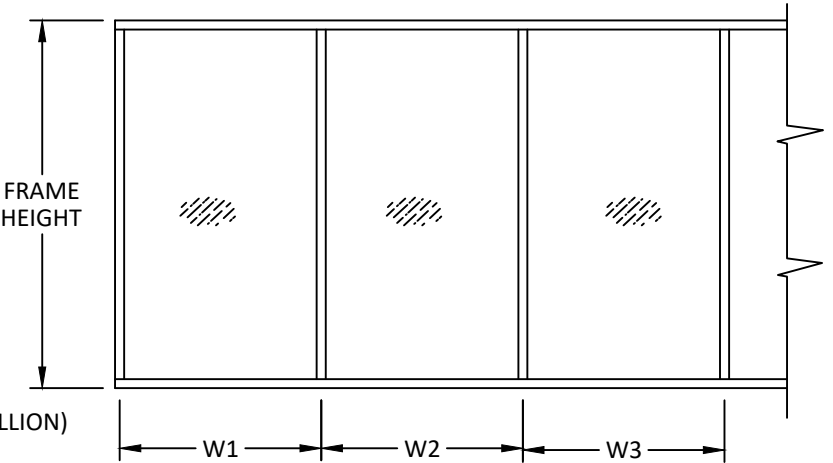
- A2 = (2) ANCHORS TYPE 'A' AT JAMB OR EACH SIDE OF MULLION
A3 = (3) ANCHORS TYPE 'A' AT JAMB OR EACH SIDE OF MULLION
A4 = (4) ANCHORS TYPE 'A' AT JAMB OR EACH SIDE OF MULLION
B2 = (2) ANCHORS TYPE 'B' AT JAMB OR EACH SIDE OF MULLION
C2 = (2) ANCHORS TYPE 'C' AT JAMB OR EACH SIDE OF MULLION
C3 = (3) ANCHORS TYPE 'C' AT JAMB OR EACH SIDE OF MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION



WIDTH (W) = W1 (JAMB)

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



TC-470 ALUMINUM STOREFRONT ANCHOR TYPES					
ANCHOR TYPE	ANCHOR DESCRIPTION	SUBSTRATE REQUIREMENTS	MIN. EMBEDMENT	MIN. EDGE DISTANCE	NOTES
A	1/4" DIA. TAPCON BY ITW (Fu=125 KSI, Fy=100 KSI)	CONCRETE F'C = 3000 PSI MIN. C-90 HOLLOW/FILLED BLOCK F'M = 2000 PSI MIN.	1-3/4"	3"	MAY BE USED THROUGH OPTIONAL 1X BUCKS, BY OTHERS
B	#14 WOOD SCREW	MIN. S.G. = 0.55 WOOD	1-1/2"	1"	--
C	1/4" DIA. SELF-DRILLING SCREWS (GRADE 5)	STEEL: 18 GA. MIN., Fy=36 KSI MIN. ALUM.: 1/8" MIN., 6063-T5 MIN.	3 THREADS PENETRATION PAST METAL STRUCTURE	3/4"	STEEL IN CONTACT WITH ALUM. TO BE PLATED OR PAINTED



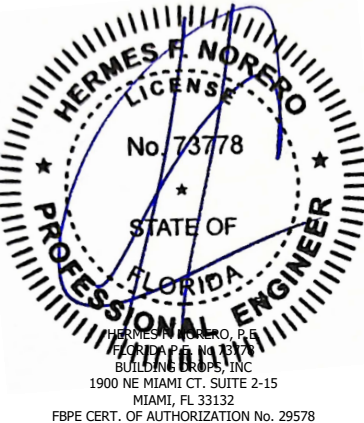
2301 EAST VERNON AVE.
VERNON, CA 90058
PH: (323) 908-5416

SERIES IPTC-470
ALUMINUM STOREFRONT
(WZ3) (IMPACT)
ANCHOR TYPES A, B & C
CAPACITY TABLE

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

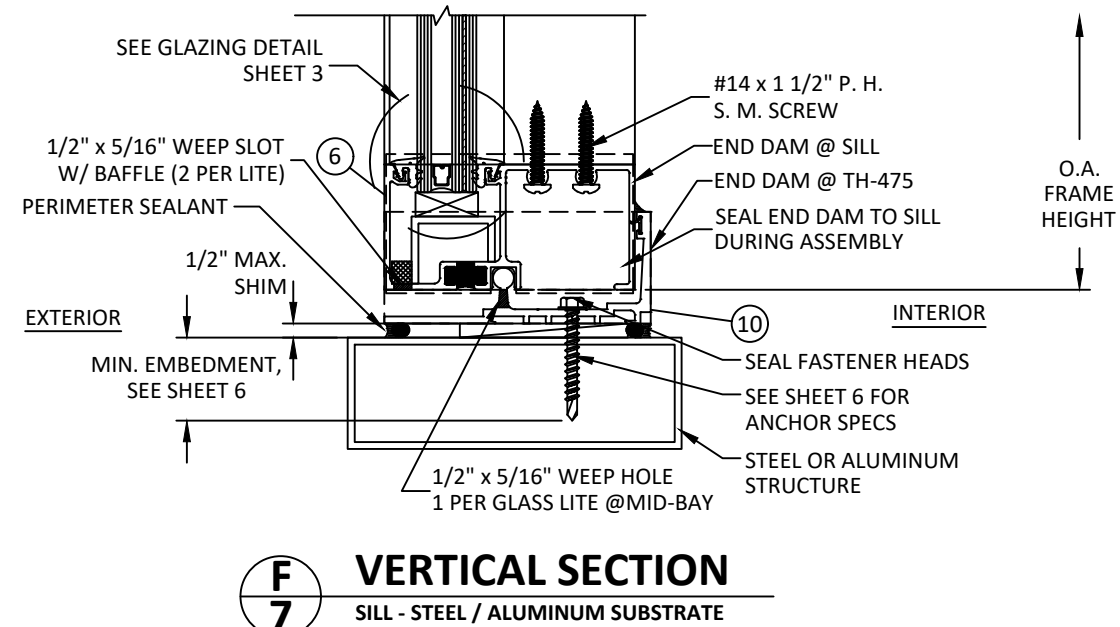
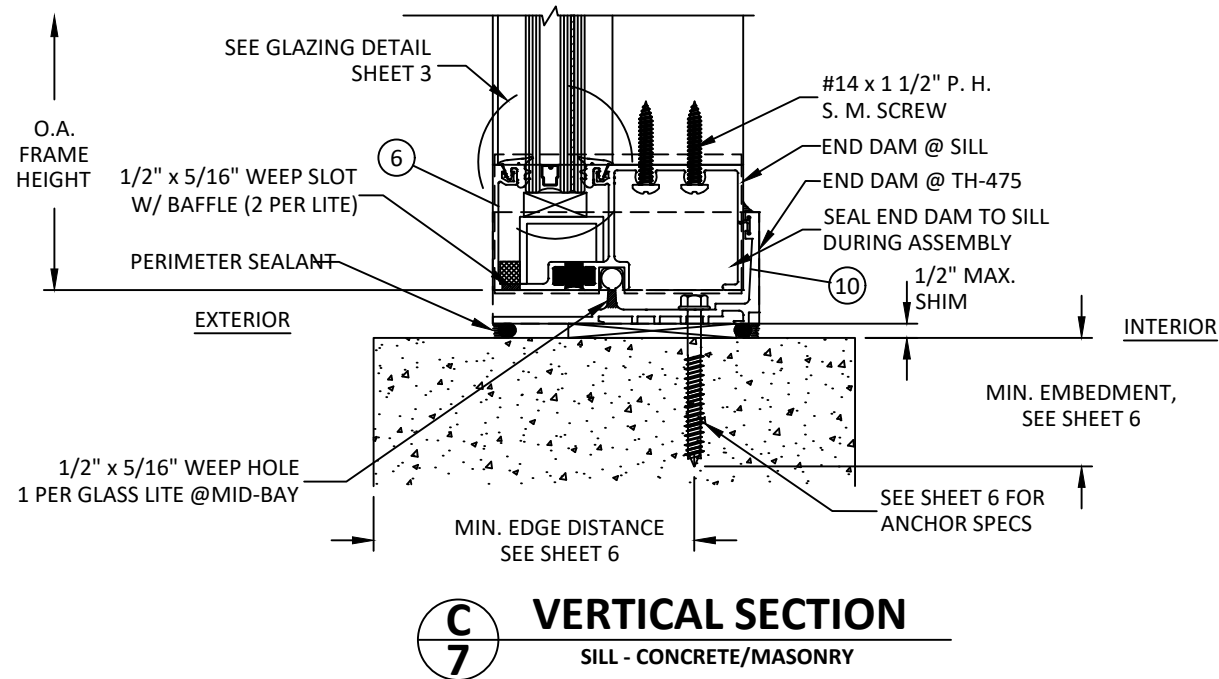
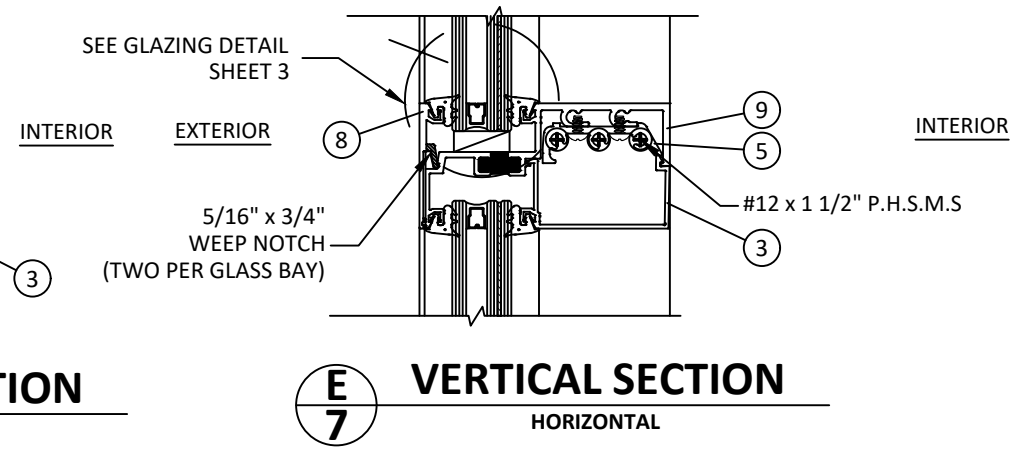
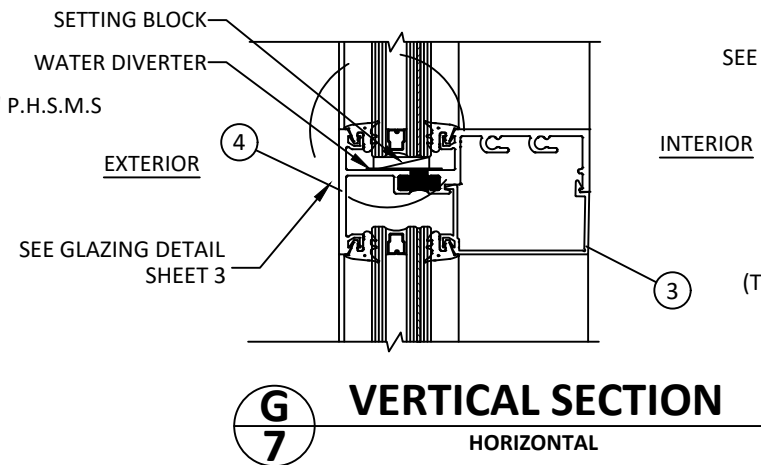
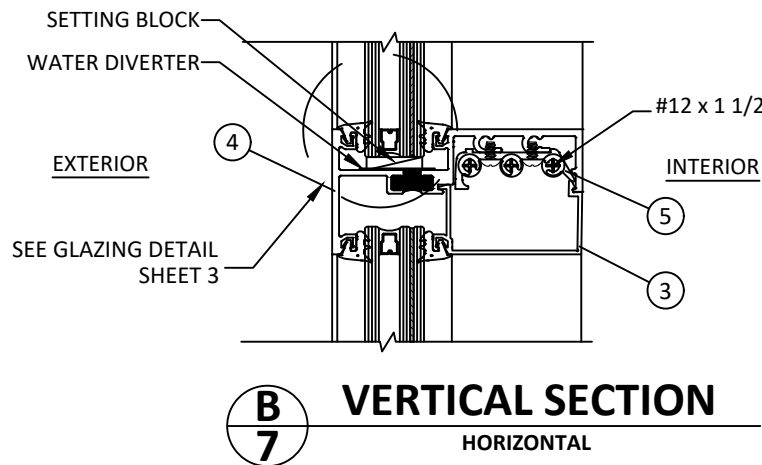
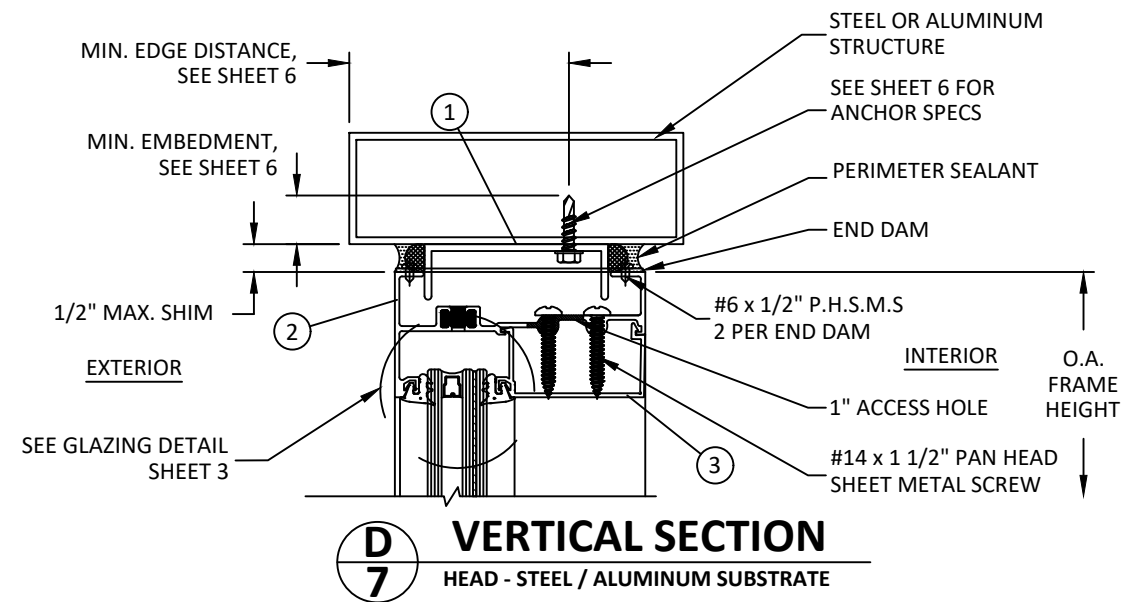
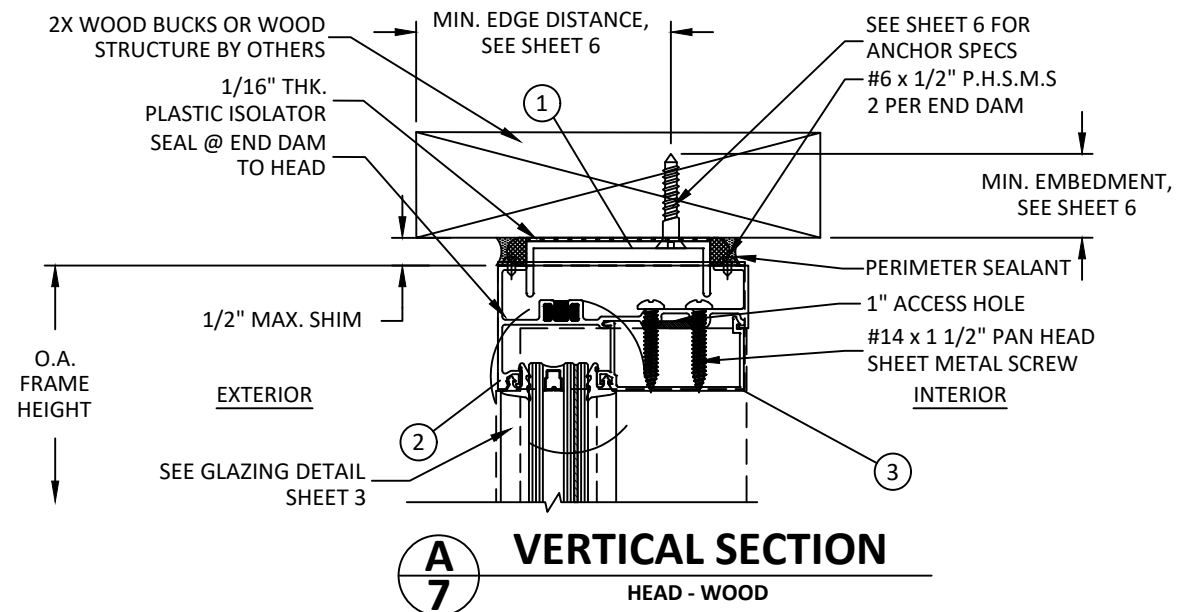
REMARKS	BY	DATE
2026 CODE CHANGE	HJ	3.7.26

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FL #:	FL40951
DATE:	01.28.22
DWG. BY:	RP/SH
CHK. BY:	HN
SCALE:	NTS
DWG. #:	ARC001
SHEET:	6
REV.	A
OF 10	

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9/25/2026 11:43 AM



2301 EAST VERNON AVE.
VERNON, CA 90058
PH: (323) 908-5416

TITLE: SERIES IPTC-470
ALUMINUM STOREFRONT
(WZ3) (IMPACT)

VERTICAL SECTIONS

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
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FL #:

FL40951

DATE: 01.28.22

DWG. BY: RP/SH

CHK. BY: HN

SCALE: NTS

DWG. #: ARC001

SHEET:

7

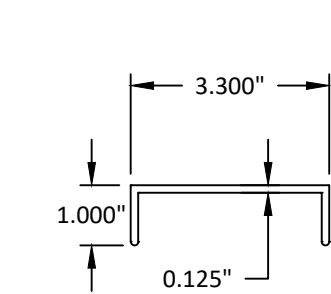
REV. A

OF 10

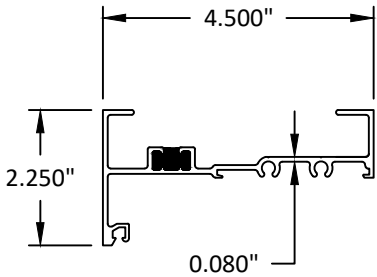
NOTE:
SCREW SPLINE CONSTRUCTION
APPLICABLE TO M2 & M3,
CLIP APPLICABLE TO M1, M2, & M3

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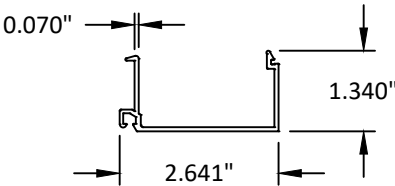
BILL OF MATERIALS				
ITEM	PART No.	DESCRIPTION	MATERIAL	MANUF./SUPPLIER/REMARKS
1	TH-411	U-SHAPED HEAD CLIP (CONTINUOUS)	6063-T6	ARCADIA INC.
2	TH-407	HEAD	6063-T6	ARCADIA INC.
3	TH-404	GLAZING STOP	6063-T6	ARCADIA INC.
4	TH-476	HORIZONTAL	6063-T6	ARCADIA INC.
5	402	CLIP	6063-T6	ARCADIA INC.
6	TH-481	SILL	6063-T6	ARCADIA INC.
7	TH-410	SILL CLIP (CONTINUOUS)	6063-T6	ARCADIA INC.
8	TH-472	GLAZING BEAD	6063-T6	ARCADIA INC.
9	TH-477	HORIZONTAL	6063-T6	ARCADIA INC.
10	TH-475	SILL SUPPORT	6063-T6	ARCADIA INC.
11	TH-437	MULLION MALE	6063-T6	ARCADIA INC.
12	TH-438	MULLION FEMALE	6063-T6	ARCADIA INC.
13	TH-406	MULLION	6063-T6	ARCADIA INC.
14	FF-205	MULLION COVER	6063-T6	ARCADIA INC.
15	VTL-10	GLAZING GASKET	NEOPRENE	ARCADIA INC.
16	TH-SCHR	SETTING CHAIR	6063-T6	ARCADIA INC.
17	TH-480	MULLION	6063-T6	ARCADIA INC.



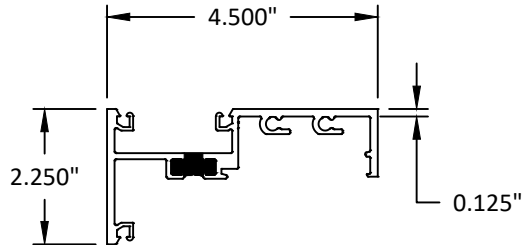
1 U - SHAPED HEAD CLIP
EXT # TH-411



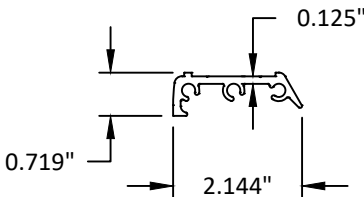
2 HEAD
EXT # TH-407



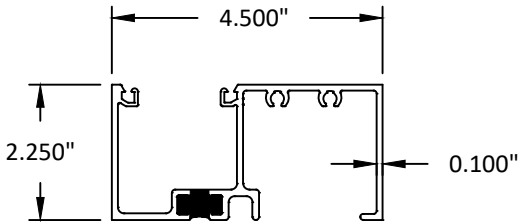
3 MALE MULLION
EXT # TH-404



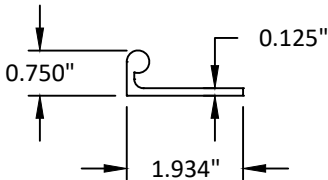
4 HORIZONTAL
EXT # TH-476



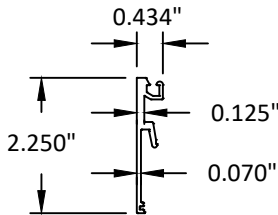
5 CLIP
EXT # 402



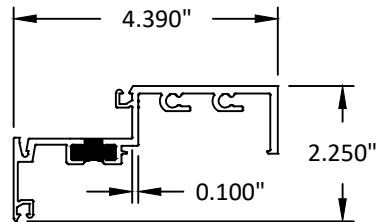
6 SILL
EXT # TH-481



7 SILL CLIP
EXT # TH-410



8 GLAZING BEAD
EXT # TH-472



9 HORIZONTAL
EXT # TH-477



2301 EAST VERNON AVE.
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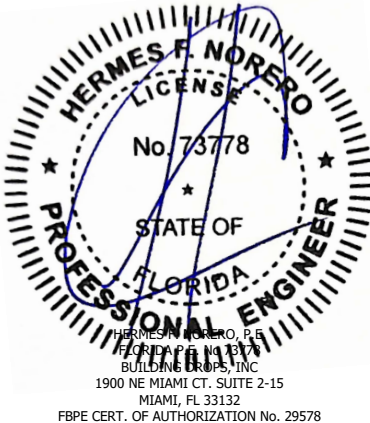
TITLE: SERIES IPTC-470
ALUMINUM STOREFRONT
(WZ3) (IMPACT)
BILL OF MATERIALS
AND COMPONENTS

PREPARED BY: BUILDING DROPS, INC.
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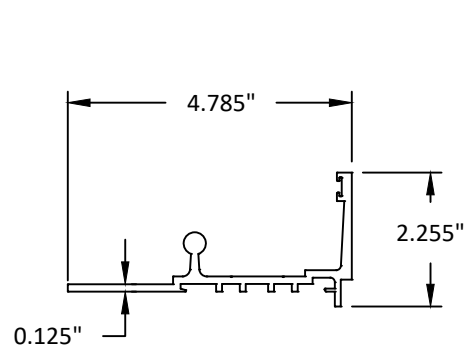
REMARKS	BY	DATE
2026 CODE CHANGE	HJ	3.7.26

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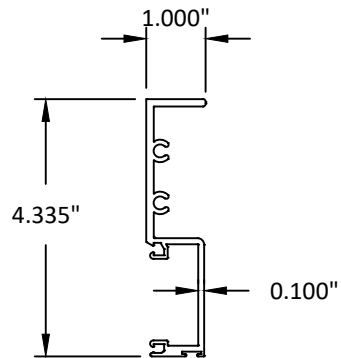


FL #:	FL40951
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CHK. BY:	HN
SCALE:	NTS
DWG. #:	ARC001
SHEET:	9
REV.	A
OF 10	

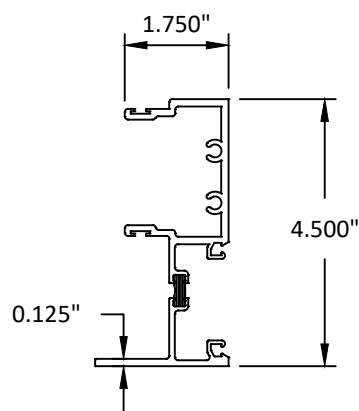
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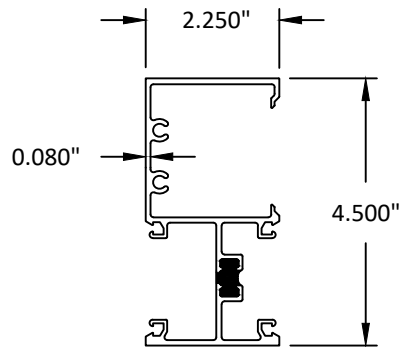
10 SILL SUPPORT
EXT # TH-475



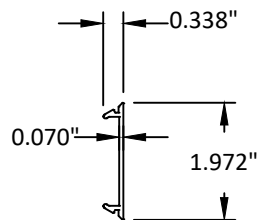
11 MULLION MALE
EXT # TH-437



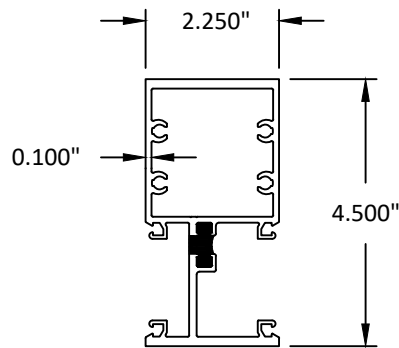
12 MULLION FEMALE
EXT # TH-438



13 MULLION
EXT # TH-406



14 MULLION COVER
EXT # FF-205



17 MULLION
EXT # TH-480



2301 EAST VERNON AVE.
VERNON, CA 90058
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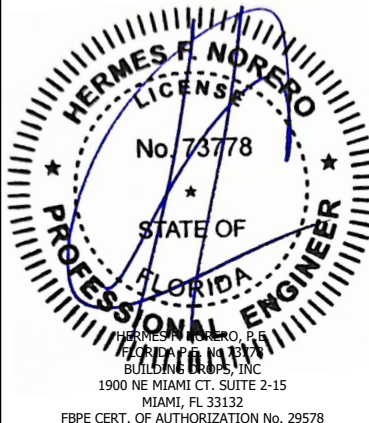
TITLE: SERIES IPTC-470
ALUMINUM STOREFRONT
(WZ3) (IMPACT)
COMPONENTS

PREPARED BY: BUILDING DROPS, INC.
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