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ARCADIA INC.

IP2551T ALUMINUM WINDOW WALL SYSTEM

(HVHZ) (IMPACT)

INSTALLATION NOTES:

1. ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
2. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS TO BE USED FOR PRODUCT INSTALLATION.
3. INSTALL INDIVIDUAL INSTALLATION ANCHORS WITHIN A TOLERANCE OF ±1/2 INCH OF THE DEPICTED LOCATION IN THE ANCHOR LAYOUT DETAIL (I.E., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
4. SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 3/8 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
5. FOR INSTALLATION INTO WOOD FRAMING USE 5/16" DEWALT ULTRACON OF SUFFICIENT LENGTH TO ACHIEVE 1-1/2 INCH MINIMUM EMBEDMENT INTO WOOD SUBSTRATE.
6. FOR INSTALLATION THROUGH 1X BUCK TO CONCRETE/MASONRY, OR DIRECTLY INTO CONCRETE/MASONRY, USE 3/8" DEWALT SCREW-BOLT+ OF SUFFICIENT LENGTH TO ACHIEVE 2-1/2 INCH MINIMUM EMBEDMENT.
7. FOR INSTALLATION THROUGH METAL STUD USE 3/8" SELF-DRILLING SCREWS, GR. 5 OF SUFFICIENT LENGTH TO ACHIEVE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE.
8. MINIMUM EMBEDMENT AND EDGE DISTANCE EXCLUDE WALL FINISHES, INCLUDING BUT NOT LIMITED TO STUCCO, FOAM, BRICK VENEER, AND SIDING.
9. INSTALLATION ANCHORS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
10. 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.
11. 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.
12. 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 - UNIT STRENGTH CONFORMS TO ASTM C-90 WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.

D. STEEL - MINIMUM YIELD STRENGTH OF 36 KSI. MINIMUM 12 GA. WALL THICKNESS.

E. ALUMINUM - MINIMUM 1/8" WALL THICKNESS, 6063-T5 ALUMINUM.

GENERAL NOTES:

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

AAMA/WDMA/CSA 101/I.S.2/A440-17

AAMA 501-15

TAS 201-94

TAS 202-94

TAS 203-94

ASTM E283-19

ASTM E330-14

ASTM E331-00 (16)

ASTM E1886-19

ASTM E1996-20
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.
6. FRAME MATERIAL: ALUMINUM 6063-T6
7. DISSIMILAR METALS INCLUDING FASTENERS THAT MAY COME INTO CONTACT WITH ALUMINUM UNIT FRAMING SHALL BE PROTECTED IN ACCORDANCE WITH THE CURRENT FBC.
8. GLASS MEETS THE REQUIREMENTS OF ASTM E1300 GLASS CHARTS. SEE SHEET 3 FOR GLAZING DETAILS.

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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 4 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
3. CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT USING CHARTS ON SHEETS 5 & 6.
4. USING CHARTS ON SHEET 7 TO SELECT ANCHOR OPTION WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
5. THE LOWEST VALUE RESULTING FROM STEPS 2 AND 3 SHALL APPLY TO ENTIRE SYSTEM.



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INSTALLATION & GENERAL NOTES

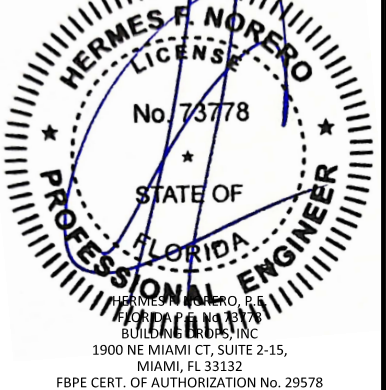
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Reason: I am approving this document
Date: 2025.06.04 14:00:53 -0400'



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SHEET:

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SEE SHEET 7 FOR ANCHOR TYPES,
QUANTITIES, AND DESCRIPTION

3" 3" 1.5" 1.5" 3" 3"



TITLE: IP2551T ALUMINUM WINDOW WALL SYSTEM (HVHZ) (IMPACT)

ELEVATION & ANCHOR LAYOUT

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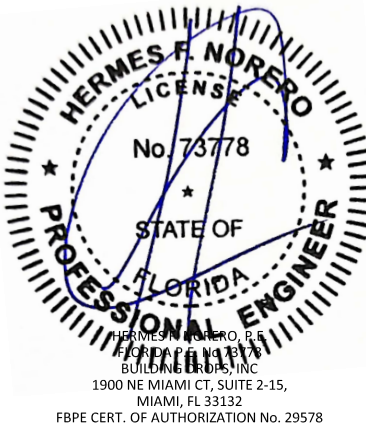
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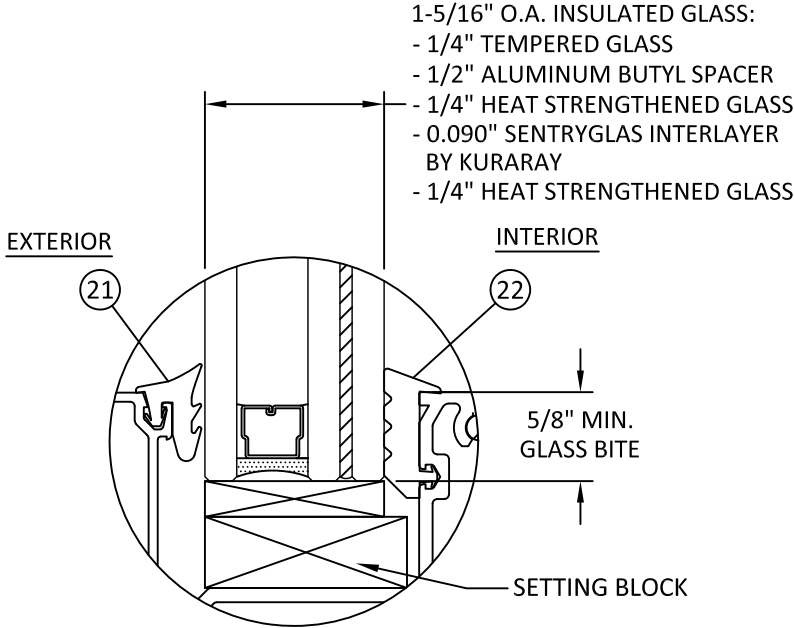
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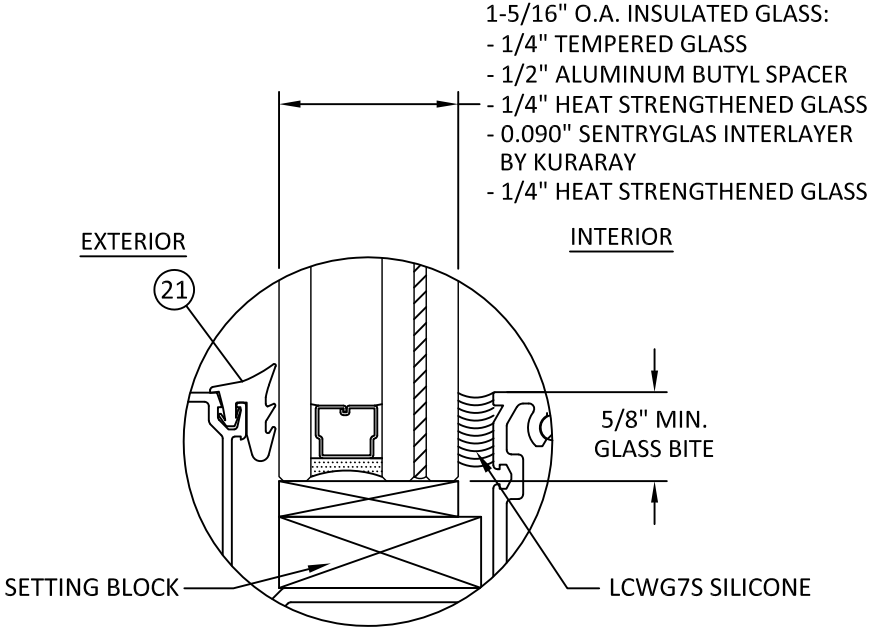
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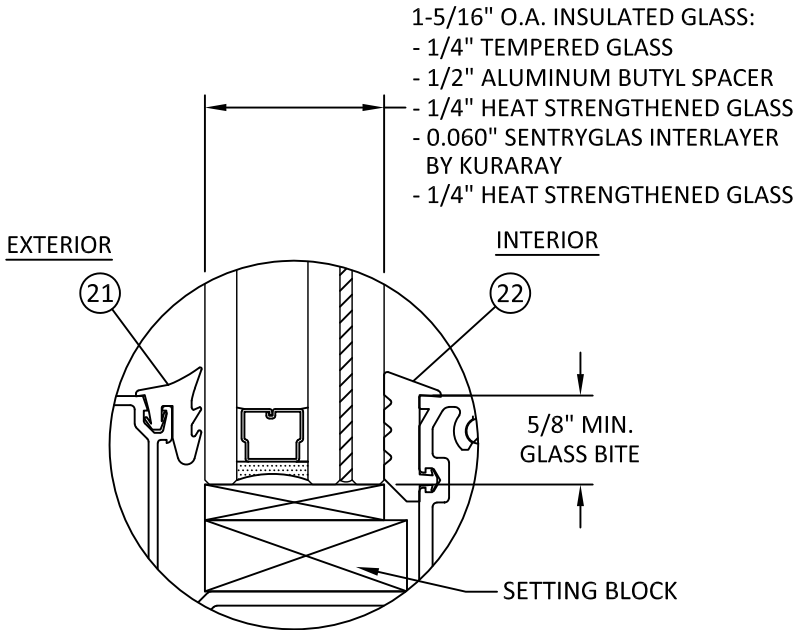
GLAZING DETAILS



GLAZING DETAIL 1
DRY GLAZED - LARGE MISSILE IMPACT



GLAZING DETAIL 2
WET GLAZED - LARGE MISSILE IMPACT



GLAZING DETAIL 3
DRY GLAZED - SMALL MISSILE IMPACT

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



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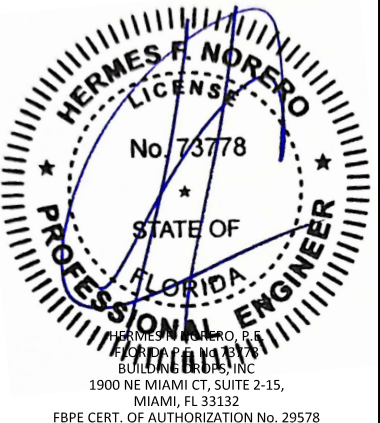
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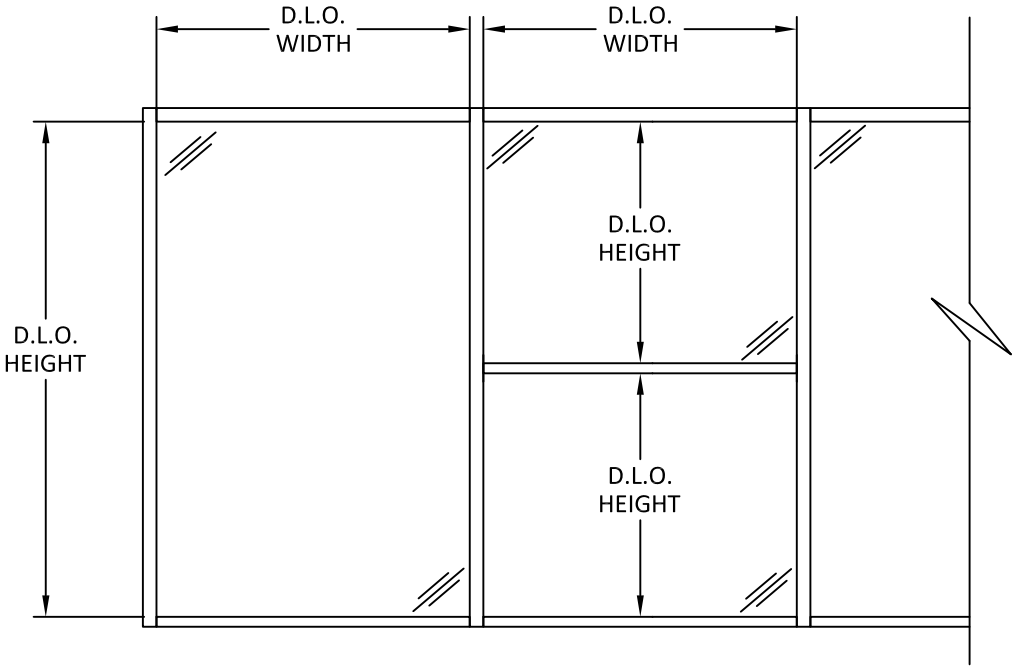
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GLASS CAPACITY TABLES

GLASS LOAD CAPACITY (PSF)			
DAYLIGHT OPENING (IN)		GLASS TYPES 1, 2, & 3	
DLO WIDTH	DLO HEIGHT	EXT. (+)	INT. (-)
27	72.875	75.0	75.0
33		75.0	75.0
39		75.0	75.0
45		75.0	75.0
51		75.0	75.0
57		75.0	75.0
63		67.9	67.9
69		62.0	62.0
75		60.4	60.4
81		65.2	65.2
27	78.875	75.0	75.0
33		75.0	75.0
39		75.0	75.0
45		75.0	75.0
51		75.0	75.0
57		75.0	75.0
63		67.9	67.9
69		62.0	62.0
75		57.0	57.0
81		55.7	55.7
27	84.875	75.0	75.0
33		75.0	75.0
39		75.0	75.0
45		75.0	75.0
51		75.0	75.0
57		75.0	75.0
63		67.9	67.9
69		62.0	62.0
75		57.0	57.0
81		55.7	55.7
27	90.875	75.0	75.0
33		75.0	75.0
39		75.0	75.0
45		75.0	75.0
51		75.0	75.0
57		75.0	75.0
63		67.9	67.9
69		62.0	62.0
75		57.0	57.0
81		55.7	55.7

GLASS LOAD CAPACITY (PSF)			
DAYLIGHT OPENING (IN)		GLASS TYPES 1, 2, & 3	
DLO WIDTH	DLO HEIGHT	EXT. (+)	INT. (-)
27	96.875	75.0	75.0
33		75.0	75.0
39		75.0	75.0
45		75.0	75.0
51		75.0	75.0
57		75.0	75.0
63	102.875	67.9	67.9
27		75.0	75.0
33		75.0	75.0
39		75.0	75.0
45		75.0	75.0
51		75.0	75.0
57	108.875	75.0	75.0
63		67.9	67.9
27		75.0	75.0
33		75.0	75.0
39		75.0	75.0
45		75.0	75.0
51	114.875	75.0	75.0
57		75.0	75.0
27		75.0	75.0
33		75.0	75.0
39		75.0	75.0
45		75.0	75.0



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GLASS CAPACITY TABLES

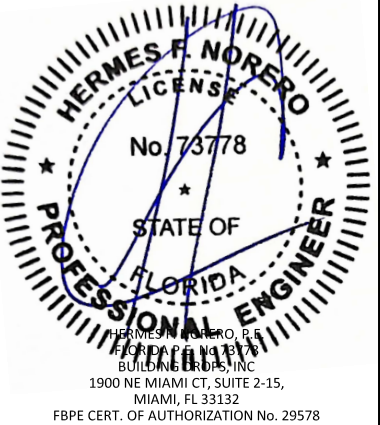
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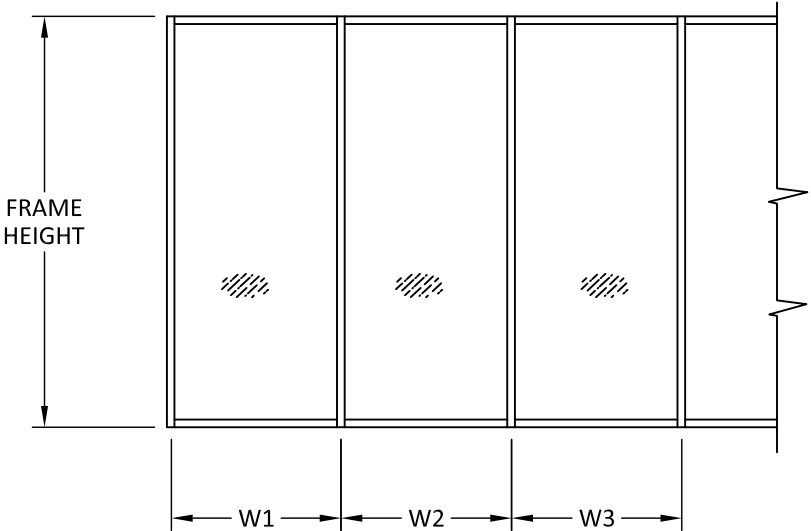
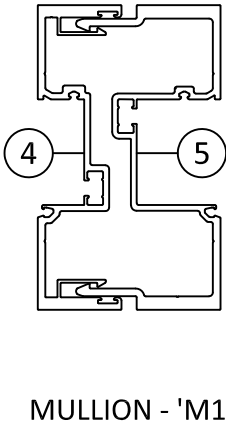
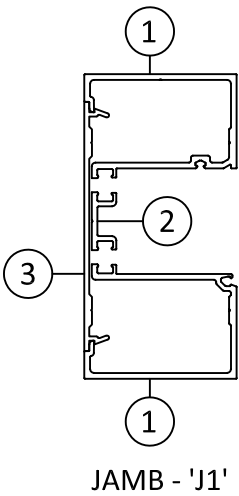
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MULLION CAPACITY TABLES

DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS.		J1 / M1	
WIDTH (W)	FRAME HEIGHT	EXT. (+)	INT. (-)
30	78	75.0	75.0
36		75.0	75.0
42		75.0	75.0
48		75.0	75.0
54		75.0	75.0
60		75.0	75.0
66		75.0	75.0
72		75.0	75.0
78		75.0	75.0
84		75.0	75.0
30	84	75.0	75.0
36		75.0	75.0
42		75.0	75.0
48		75.0	75.0
54		75.0	75.0
60		75.0	75.0
66		75.0	75.0
72		75.0	75.0
78		75.0	75.0
84		75.0	75.0
30	90	75.0	75.0
36		75.0	75.0
42		75.0	75.0
48		75.0	75.0
54		75.0	75.0
60		75.0	75.0
66		75.0	75.0
72		75.0	75.0
78		75.0	75.0
84		75.0	75.0
30	96	75.0	75.0
36		75.0	75.0
42		75.0	75.0
48		75.0	75.0
54		75.0	75.0
60		75.0	75.0
66		75.0	75.0
72		75.0	75.0

DESIGN LOAD CAPACITY - PSF			
NOMINAL DIMS.		J1 / M1	
WIDTH (W)	FRAME HEIGHT	EXT. (+)	INT. (-)
30	102	75.0	75.0
36		75.0	75.0
42		75.0	75.0
48		75.0	75.0
54		75.0	75.0
60		75.0	75.0
66		75.0	75.0
30	108	75.0	75.0
36		75.0	75.0
42		75.0	75.0
48		75.0	75.0
54		75.0	75.0
60		75.0	75.0
66		75.0	75.0
30	114	75.0	75.0
36		75.0	75.0
42		75.0	75.0
48		75.0	75.0
54		75.0	75.0
60		75.0	75.0
66		75.0	75.0
30	120	75.0	75.0
36		75.0	75.0
42		75.0	75.0
48		75.0	75.0
54		75.0	75.0
60		75.0	75.0



WIDTH (W) = W1 (JAMB)

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



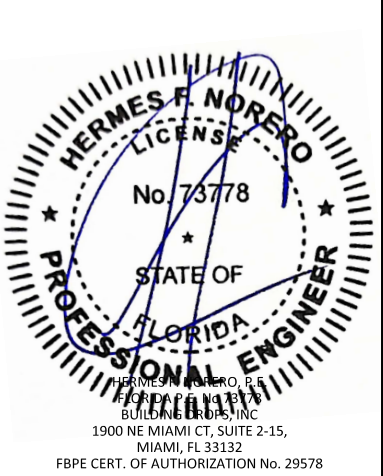
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MULLION CAPACITY TABLES

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ANCHOR CAPACITY TABLES

ANCHORS TYPES: SEE TABLE BELOW FOR DESCRIPTION

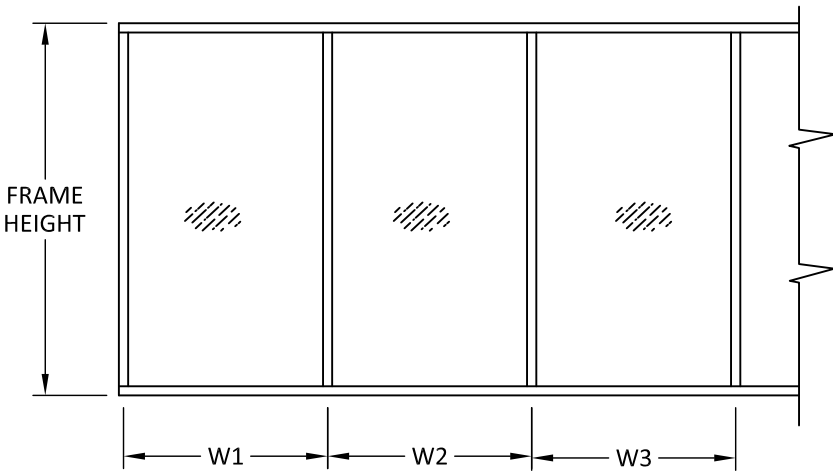
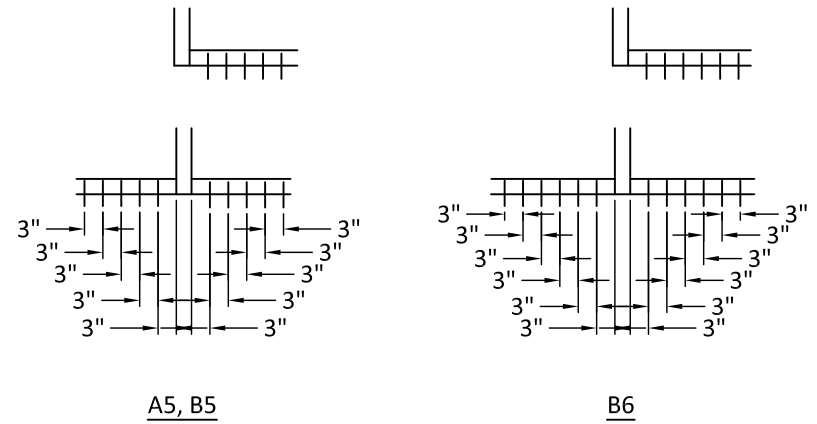
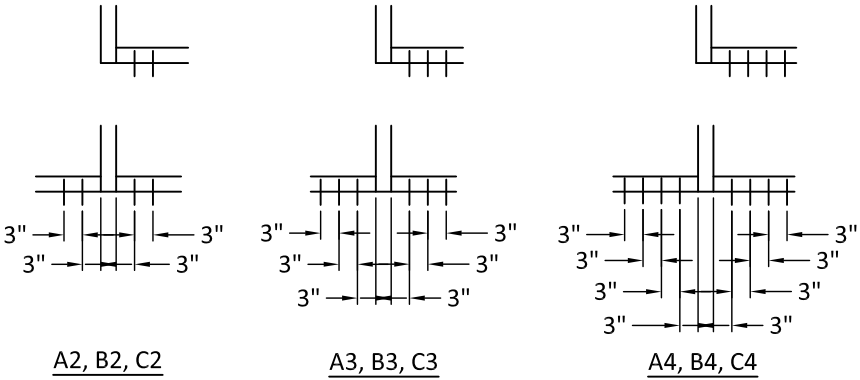
- A2 = (2) ANCHORS TYPE 'A' AT JAMB OR EACH SIDE OF MULLION
A3 = (3) ANCHORS TYPE 'A' AT JAMB OR EACH SIDE OF MULLION
A4 = (4) ANCHORS TYPE 'A' AT JAMB OR EACH SIDE OF MULLION
A5 = (5) ANCHORS TYPE 'A' AT JAMB OR EACH SIDE OF MULLION
B2 = (2) ANCHORS TYPE 'B' AT JAMB OR EACH SIDE OF MULLION
B3 = (3) ANCHORS TYPE 'B' AT JAMB OR EACH SIDE OF MULLION
B4 = (4) ANCHORS TYPE 'B' AT JAMB OR EACH SIDE OF MULLION
B5 = (5) ANCHORS TYPE 'B' AT JAMB OR EACH SIDE OF MULLION
B6 = (6) 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
C4 = (4) ANCHORS TYPE 'C' AT JAMB OR EACH SIDE OF MULLION

ALL OTHER ANCHORS TO BE SPACED AS PER ELEVATION

ANCHOR SCHEDULE					
ANCHOR TYPE	ANCHOR DESCRIPTION	SUBSTRATE REQUIREMENTS	MIN. EMBEDMENT	MIN. EDGE DISTANCE	
A	3/8" DEWALT SCREW-BOLT+	CONCRETE F'C = 3000 PSI MIN. C-90 HOLLOW/FILLED BLOCK F'C = 2000 PSI MIN.	2-1/2"	3"	
B	5/16" DEWALT ULTRACON	MIN. S.G. = 0.55 WOOD	1-1/2"	1-9/16"	
C	3/8" SELF-DRILLING SCREW (GRADE 5)	STEEL: 12 GA. MIN., F'Y=36 KSI MIN. ALUM.: 1/8" MIN., 6063-T5 MIN.	3 THREADS PENETRATION PAST METAL STRUCTURE	3/4"	

ANCHOR LOAD CAPACITY - PSF EXT. (+) & INT. (-)													
NOMINAL DIMS.		ANCHORS TYPE 'A'				ANCHORS TYPE 'B'					ANCHORS TYPE 'C'		
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	A5	B2	B3	B4	B5	B6	C2	C3	C4
30.0	78.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
36.0		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
42.0		73.6	75.0	75.0	75.0	64.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0
48.0		64.4	75.0	75.0	75.0	56.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0
54.0		57.2	75.0	75.0	75.0	50.1	75.0	75.0	75.0	75.0	75.0	75.0	75.0
60.0		51.5	75.0	75.0	75.0	45.1	67.7	75.0	75.0	75.0	67.8	75.0	75.0
66.0		46.8	70.2	75.0	75.0	41.0	61.5	75.0	75.0	75.0	61.6	75.0	75.0
72.0		42.9	64.4	75.0	75.0	37.6	56.4	75.0	75.0	75.0	56.5	75.0	75.0
78.0	84.0	39.6	59.4	75.0	75.0	34.7	52.0	69.4	75.0	75.0	52.1	75.0	75.0
84.0		36.8	55.2	73.6	75.0	32.2	48.3	64.4	75.0	75.0	48.4	72.6	75.0
30.0		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
36.0		75.0	75.0	75.0	75.0	69.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0
42.0		68.3	75.0	75.0	75.0	59.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0
48.0		59.8	75.0	75.0	75.0	52.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0
54.0		53.1	75.0	75.0	75.0	46.5	69.8	75.0	75.0	75.0	69.9	75.0	75.0
60.0		47.8	71.7	75.0	75.0	41.9	62.8	75.0	75.0	75.0	62.9	75.0	75.0
66.0	90.0	43.5	65.2	75.0	75.0	38.1	57.1	75.0	75.0	75.0	57.2	75.0	75.0
72.0		39.8	59.8	75.0	75.0	34.9	52.4	69.8	75.0	75.0	52.4	75.0	75.0
78.0		36.8	55.2	73.6	75.0	32.2	48.3	64.4	75.0	75.0	48.4	72.6	75.0
84.0		34.2	51.2	68.3	75.0	29.9	44.9	59.8	74.8	75.0	44.9	67.4	75.0
30.0		75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
36.0		74.4	75.0	75.0	75.0	65.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0
42.0		63.8	75.0	75.0	75.0	55.8	75.0	75.0	75.0	75.0	75.0	75.0	75.0
48.0		55.8	75.0	75.0	75.0	48.9	73.3	75.0	75.0	75.0	73.4	75.0	75.0
54.0	96.0	49.6	74.4	75.0	75.0	43.4	65.2	75.0	75.0	75.0	65.3	75.0	75.0
60.0		44.6	66.9	75.0	75.0	39.1	58.6	75.0	75.0	75.0	58.7	75.0	75.0
66.0		40.6	60.9	75.0	75.0	35.5	53.3	71.1	75.0	75.0	53.4	75.0	75.0
72.0		37.2	55.8	74.4	75.0	32.6	48.9	65.2	75.0	75.0	48.9	73.4	75.0
78.0		34.3	51.5	68.7	75.0	30.1	45.1	60.1	75.0	75.0	45.2	67.8	75.0
30.0		75.0	75.0	75.0	75.0	73.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0
36.0		69.7	75.0	75.0	75.0	61.1	75.0	75.0	75.0	75.0	75.0	75.0	75.0
42.0		59.8	75.0	75.0	75.0	52.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0
48.0	96.0	52.3	75.0	75.0	75.0	45.8	68.7	75.0	75.0	75.0	68.8	75.0	75.0
54.0		46.5	69.7	75.0	75.0	40.7	61.1	75.0	75.0	75.0	61.2	75.0	75.0
60.0		41.8	62.8	75.0	75.0	36.7	55.0	73.3	75.0	75.0	55.1	75.0	75.0
66.0		38.0	57.1	75.0	75.0	33.3	50.0	66.6	75.0	75.0	50.1	75.0	75.0
72.0	96.0	34.9	52.3	69.7	75.0	30.5	45.8	61.1	75.0	75.0	45.9	68.8	75.0

ANCHOR LOAD CAPACITY - PSF EXT. (+) & INT. (-)													
NOMINAL DIMS.		ANCHORS TYPE 'A'				ANCHORS TYPE 'B'					ANCHORS TYPE 'C'		
WIDTH (W)	FRAME HEIGHT	A2	A3	A4	A5	B2	B3	B4	B5	B6	C2	C3	C4
30.0	102.0	75.0	75.0	75.0	75.0	69.0	75.0	75.0	75.0	75.0	75.0	75.0	75.0
36.0		65.6	75.0	75.0	75.0	57.5	75.0	75.0	75.0	75.0	75.0	75.0	75.0
42.0		56.3	75.0	75.0	75.0	49.3	73.9	75.0	75.0	75.0	74.0	75.0	75.0
48.0		49.2	73.8	75.0	75.0	43.1	64.7	75.0	75.0	75.0	64.8	75.0	75.0
54.0		43.8	65.6	75.0	75.0	38.3	57.5	75.0	75.0	75.0	57.6	75.0	75.0
60.0		39.4	59.1	75.0	75.0	34.5	51.7	69.0	75.0	75.0	51.8	75.0	75.0
66.0		35.8	53.7	71.6	75.0	31.4	47.0	62.7	75.0	75.0	47.1	70.7	75.0
30.0	108.0	74.4	75.0	75.0	75.0	65.2	75.0	75.0	75.0	75.0	75.0	75.0	75.0
36.0		62.0	75.0	75.0	75.0	54.3	75.0	75.0	75.0	75.0	75.0	75.0	75.0
42.0		53.1	75.0	75.0	75.0	46.5	69.8	75.0	75.0	75.0	69.9	75.0	75.0
48.0		46.5	69.7	75.0	75.0	40.7	61.1	75.0	75.0	75.0	61.2	75.0	75.0
54.0		41.3	62.0	75.0	75.0	36.2	54.3	72.4	75.0	75.0	54.4	75.0	75.0
60.0		37.2	55.8	74.4	75.0	32.6	48.9	65.2	75.0	75.0	48.9	73.4	75.0
66.0		33.8	50.7	67.6	75.0	29.6	44.4	59.2	74.0	75.0	44.5	66.7	75.0
30.0	114.0	70.5	75.0	75.0	75.0	61.7	75.0	75.0	75.0	75.0	75.0	75.0	75.0
36.0		58.7	75.0	75.0	75.0	51.4	75.0	75.0	75.0	75.0	75.0	75.0	75.0
42.0		50.3	75.0	75.0	75.0	44.1	66.1	75.0	75.0	75.0	66.2	75.0	75.0
48.0		44.0	66.1	75.0	75.0	38.6	57.9	75.0	75.0	75.0	58.0	75.0	75.0
54.0		39.1	58.7	75.0	75.0	34.3	51.4	68.6	75.0	75.0	51.5	75.0	75.0
60.0		35.2	52.8	70.5	75.0	30.9	46.3	61.7	75.0	75.0	46.4	69.5	75.0
30.0	120.0	66.9	75.0	75.0	75.0	58.6	75.0	75.0	75.0	75.0	75.0	75.0	75.0
36.0		55.8	75.0	75.0	75.0	48.9	73.3	75.0	75.0	75.0	73.4	75.0	75.0
42.0		47.8	71.7	75.0	75.0	41.9	62.8	75.0	75.0	75.0	62.9	75.0	75.0
48.0		41.8	62.8	75.0	75.0	36.7	55.0	73.3	75.0	75.0	55.1	75.0	75.0
54.0		37.2	55.8	74.4	75.0	32.6	48.9	65.2	75.0	75.0	48.9	73.4	75.0
60.0		33.5	50.2	66.9	75.0	29.3	44.0	58.6	73.3	75.0	44.0	66.1	75.0



WIDTH (W) = W1 (JAMB)

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



2301 EAST VERNON AVE.
VERNON, CA 90058
PH: (323) 771-9819

TITLE: IP2551T ALUMINUM WINDOW WALL SYSTEM (HVHZ) (IMPACT)

ANCHOR CAPACITY TABLES

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

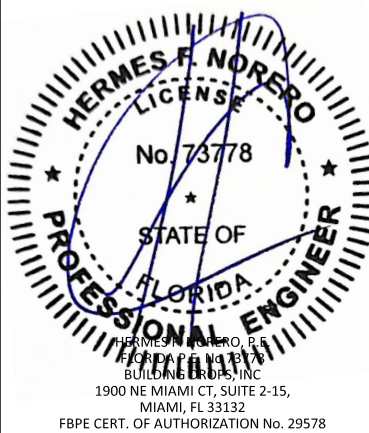


REMARKS

BY

DATE

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 #:

FL46564

DATE: 04.23.2025

DWG. BY: DB

CHK. BY: HFN

SCALE: NTS

DWG. #: ARC018

SHEET:

7

OF 12

TITLE: IP2551T ALUMINUM
WINDOW WALL SYSTEM
(HVHZ) (IMPACT)

PREPARED BY:
BUILDING DROPS, INC.



REMARKS	BY	DATE

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FL #: **FL46564**

DATE: 04.23.2025

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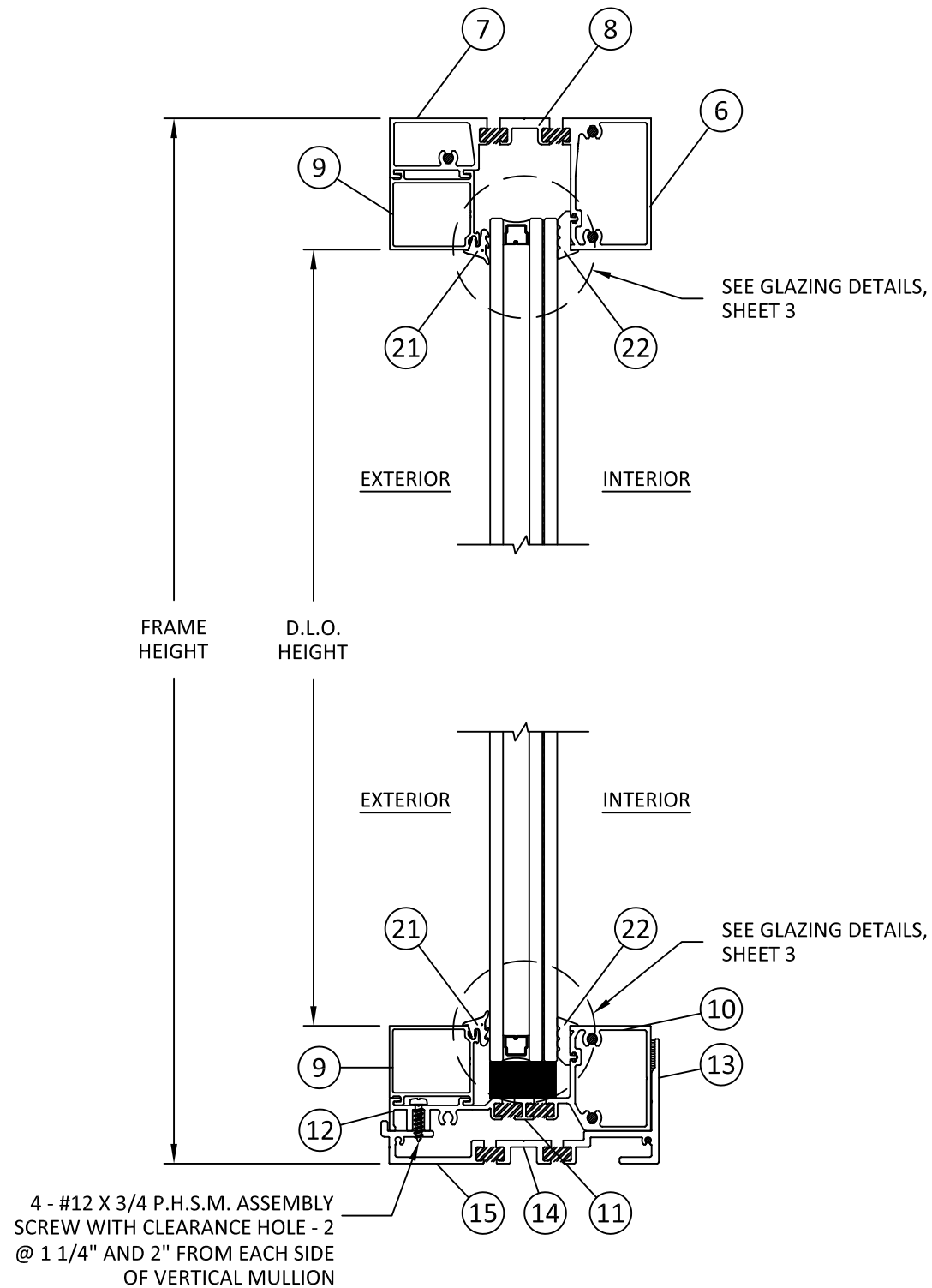
SCALE: **NTS**

DWG. #: **ARC018**

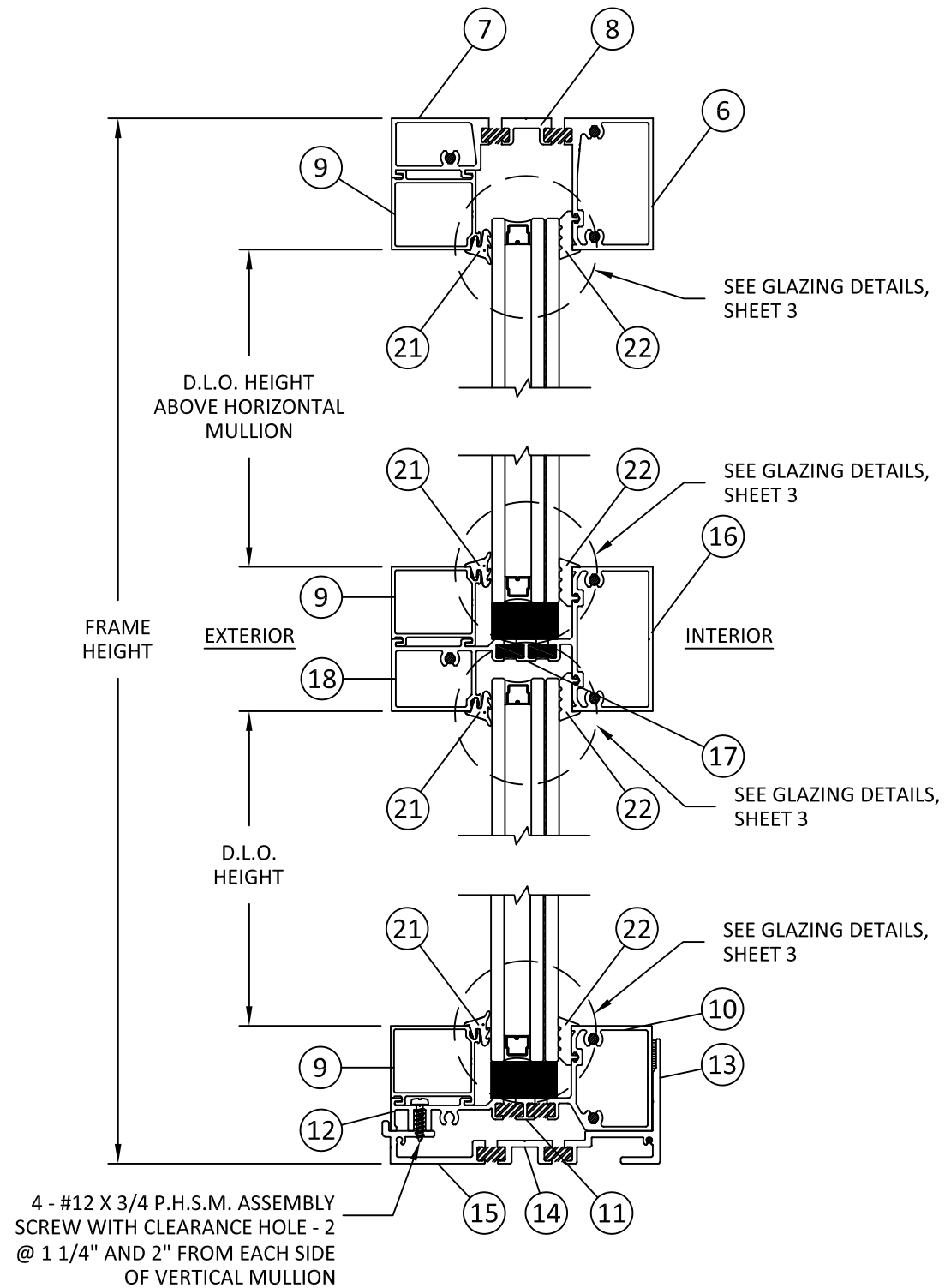
SHEET:

8

DF 12

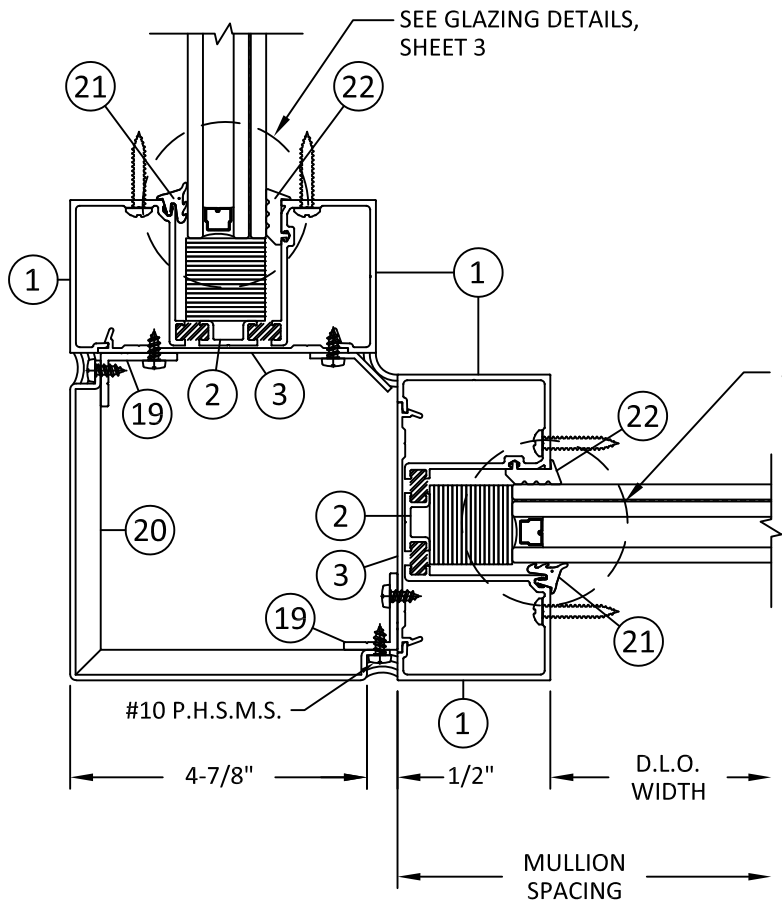


A
8 **VERTICAL SECTION**



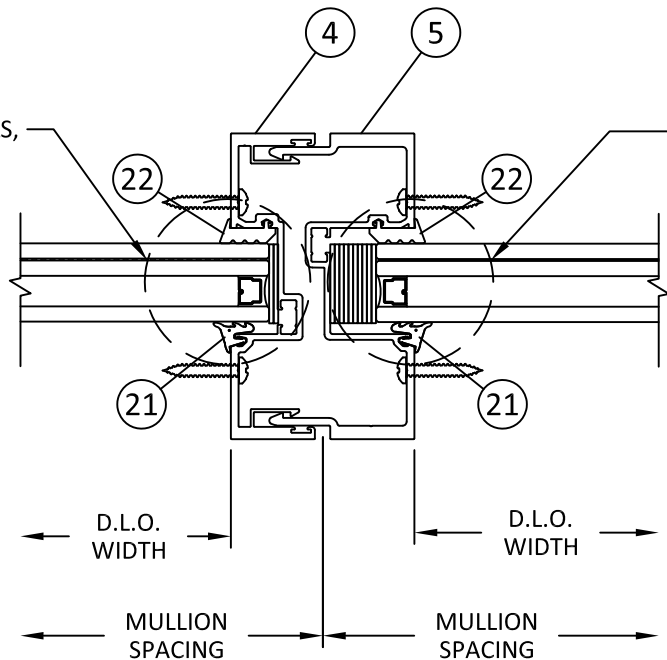
B 8 VERTICAL SECTION

c:\users\sebastianherrerros\building drops, inc\building drops, inc\building drops, inc\projects\arcadia, inc\fbc-24-0142 - fbc submittal - ip2551t window wall system\dwgs\arc018.dwg 5/20/2025 5:28 PM



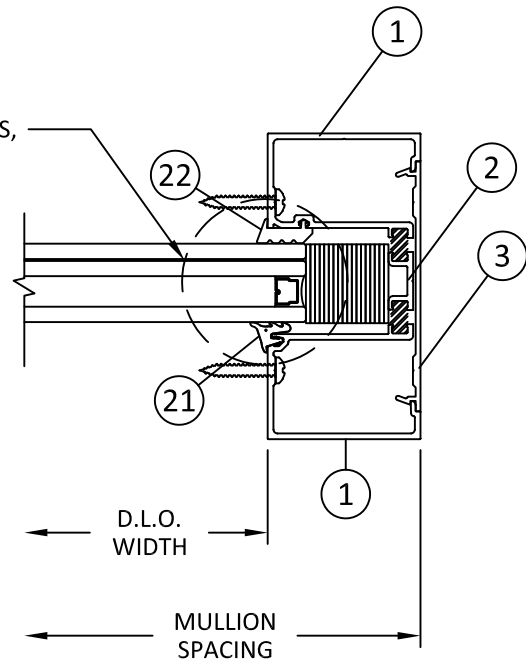
A
9 **HORIZONTAL SECTION**
90 DEGREE CORNER

SEE GLAZING DETAILS,
SHEET 3
INTERIOR
EXTERIOR



B
9 **HORIZONTAL SECTION**
VERTICAL MULLION

SEE GLAZING DETAILS,
SHEET 3
INTERIOR
EXTERIOR



C
9 **HORIZONTAL SECTION**
JAMB



2301 EAST VERNON AVE.
VERNON, CA 90058
PH: (323) 771-9819

TITLE: IP2551T ALUMINUM
WINDOW WALL SYSTEM
(HVHZ) (IMPACT)
HORIZONTAL SECTIONS

PREPARED BY:
BUILDING DROPS, INC.
1900 NE MIAMI CT, SUITE 2-15
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WEB: www.buildingdrops.com



REMARKS	BY	DATE

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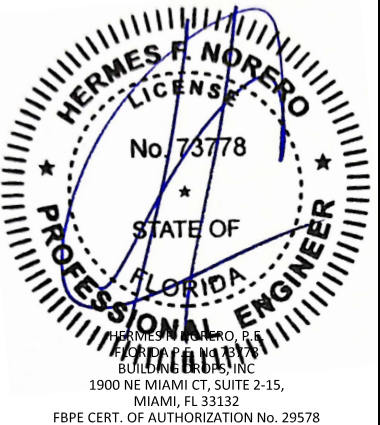
FL #:	FL46564
DATE:	04.23.2025
DWG. BY:	DB
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	ARC018
SHEET:	9

2301 EAST VERNON AVE.
VERNON, CA 90058
PH: (323) 771-9819



REMARKS	BY	DATE

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FL #: **FL46564**

DATE: 04.23.2025

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

DWG. #: **ARC018**

SHEET: _____

DF 12



HEAD INSTALLATION SHOWN

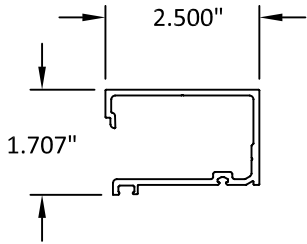


SILL INSTALLATION SHOWN

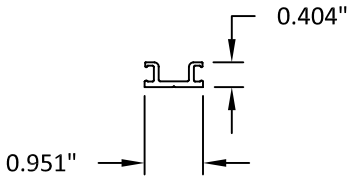
ANCHOR SCHEDULE				
ANCHOR TYPE	ANCHOR DESCRIPTION	SUBSTRATE REQUIREMENTS	MIN. EMBEDMENT	MIN. EDGE DISTANCE
A	3/8" DEWALT SCREW-BOLT+	CONCRETE F'C = 3000 PSI MIN. C-90 HOLLOW/FILLED BLOCK F'C = 2000 PSI MIN.	2-1/2"	3"
B	5/16" DEWALT ULTRACON	MIN. S.G. = 0.55 WOOD	1-1/2"	1-9/16"
C	3/8" SELF-DRILLING SCREW (GRADE 5)	STEEL: 12 GA. MIN., F'Y=36 KSI MIN. ALUM.: 1/8" MIN., 6063-T5 MIN.	3 THREADS PENETRATION PAST METAL STRUCTURE	3/4"

c:\users\sebastianherrerros\building drops, inc\building drops landing - common\projects\arcadia, inc\fbc-24-0142 - fbc submittal - ip2551t window wall system\dwgs\arc018.dwg 5/20/2025 5:28 PM

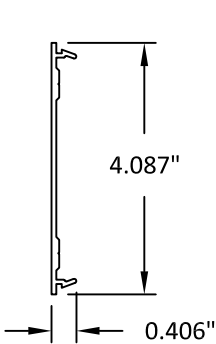
BILL OF MATERIALS				
ITEM	PART No.	DESCRIPTION	MATERIAL	MANUFACTURER
1	IP-5122T	JAMB	6063-T6	ARCADIA INC.
2	IP-5122T	JAMB	6063-T6	ARCADIA INC.
3	IP-500	JAMB FILLER	6063-T6	ARCADIA INC.
4	IP-5103T	VERTICAL MULLION	6063-T6	ARCADIA INC.
5	IP-5104T	VERTICAL MULLION	6063-T6	ARCADIA INC.
6	IP-5123T	HEAD	6063-T6	ARCADIA INC.
7	IP-5123T	HEAD	6063-T6	ARCADIA INC.
8	IP-5123T	HEAD	6063-T6	ARCADIA INC.
9	IP-5113 STOP	GLASS STOP	6063-T6	ARCADIA INC.
10	IP-5153T	SILL	6063-T6	ARCADIA INC.
11	IP-5153T	SILL	6063-T6	ARCADIA INC.
12	IP-5153T	SILL	6063-T6	ARCADIA INC.
13	IP-551T	SILL FLASHING	6063-T6	ARCADIA INC.
14	IP-551T	SILL FLASHING	6063-T6	ARCADIA INC.
15	IP-551T	SILL FLASHING	6063-T6	ARCADIA INC.
16	IP-5113T	HORIZONTAL MULLION	6063-T6	ARCADIA INC.
17	IP-5113T	HORIZONTAL MULLION	6063-T6	ARCADIA INC.
18	IP-5113T	HORIZONTAL MULLION	6063-T6	ARCADIA INC.
19	OPG1999	90 DEGREE CORNER FASTENER	6063-T6	ARCADIA INC.
20	-	90 DEGREE CORNER	6063-T6	ARCADIA INC.
21	VTL-TG GASKET	GLAZING GASKET	NEOPRENE	BY OTHERS
22	GIPDG GASKET	GLAZING GASKET	NEOPRENE	BY OTHERS



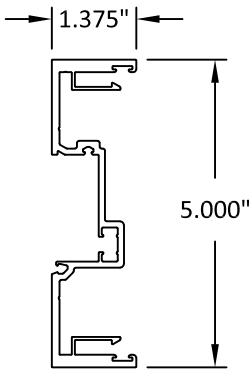
1 JAMB
IP-5122T



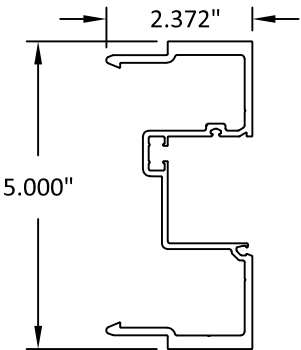
2 JAMB
IP-5122T



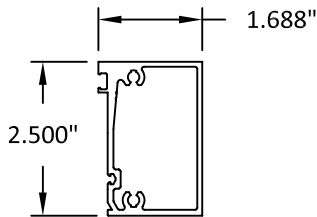
3 JAMB FILLER
IP-500



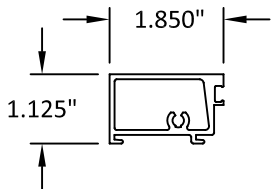
4 VERTICAL MULLION
IP-5103T



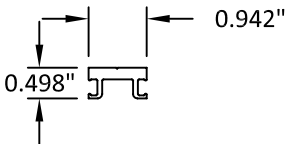
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IP-5104T



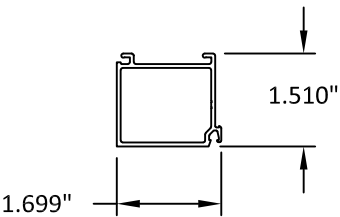
6 HEAD
IP-5123T



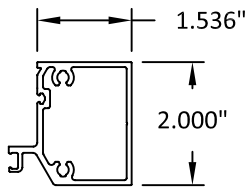
7 HEAD
IP-5123T



8 HEAD
IP-5123T



9 GLASS STOP
IP-5113 STOP



10 SILL
IP-5153T



2301 EAST VERNON AVE.
VERNON, CA 90058
PH: (323) 771-9819

TITLE: IP2551T ALUMINUM
WINDOW WALL SYSTEM
(HVHZ) (IMPACT)

BILL OF MATERIALS
& COMPONENTS

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

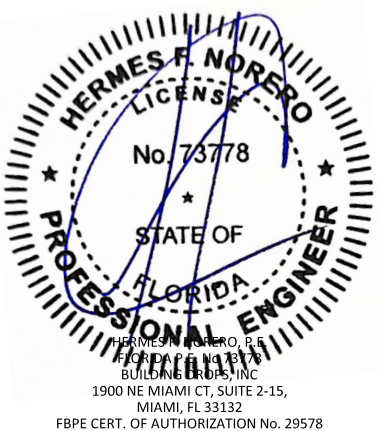


REMARKS

BY

DATE

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DOCUMENTS FOR USE WITH THIS DOCUMENT.



FL #:

FL46564

DATE: 04.23.2025

DWG. BY:
DB

CHK. BY:
HFN

SCALE: NTS

DWG. #: ARC018

SHEET:

11

OF 12

0.812"

1.961"

Technical drawing of a rectangular plate. The width is labeled as 1.992" and the height is labeled as 2.750". The drawing shows a cross-section of the plate with a flange on the left side.

Diagram of a wide-flange beam cross-section. The total depth is labeled as 0.414". The flange thickness is labeled as 0.381".

A cross-sectional diagram of a rectangular duct. The width of the duct is labeled as 2.145 inches, and the height is labeled as 1.375 inches. The duct has a double-wall construction with a central cavity. Arrows indicate the dimensions are taken from the outer edges.

A diagram of a 90-degree corner. The horizontal leg has a dimension of 1.250" indicated by a double-headed arrow above it. The vertical leg has a dimension of 0.875" indicated by a double-headed arrow to its left.



2301 EAST VERNON AVE.
VERNON, CA 90058
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TITLE: IP2551T ALUMINUM WINDOW WALL SYSTEM (HVHZ) (IMPACT)

COMPONENTS

PREPARED BY:

BUILDING DROPS, INC.

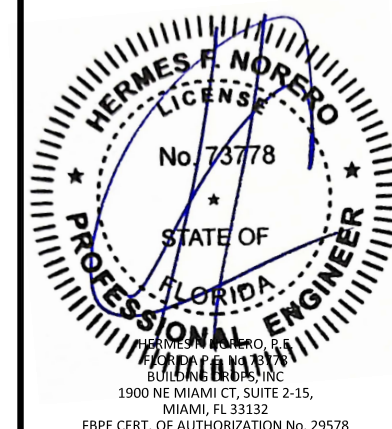
1000 MIAMI CT, SUITE 2-15

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

FAX: (954) 744.4738
WEB: www.buildingdrops.com



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DATE: 04.23.2025

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

DWG. #: **ARC018**

SHEET:

12

OF 12