

KAWNEER COMPANY INC.

1600 SYSTEM 1 CURTAIN WALL

(WZ3)(IMPACT)

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 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.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE, **EXCLUDING** REQUIREMENTS FOR HVHZ.
 - AAMA 501-15
 - ASTM 283-04(12)
 - ASTM E330-14
 - ASTM E331-00(16)
 - ASTM E1886-13a
 - ASTM E1996-17
- 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 WZ3 OR LESS.
- 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.

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IMPACT RATING
MISSILE LEVEL D



555 GUTHRIDGE CT
NORCROSS, GA 30092
PH: (770) 840-6431

TITLE: 1600 SYSTEM 1 CURTAIN WALL
(WZ3) (IMPACT)

GENERAL & INSTALLATION NOTES

PREPARED BY:

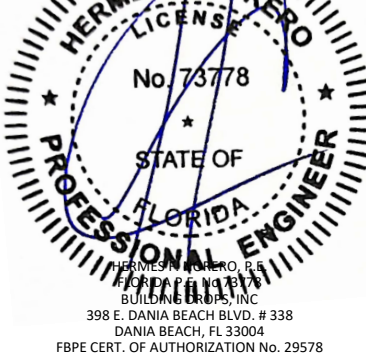
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.10.18 11:00:20 -0400



FL #:

FL41683

DATE: 08.31.23

DWG. BY: DI CHK. BY: HFN

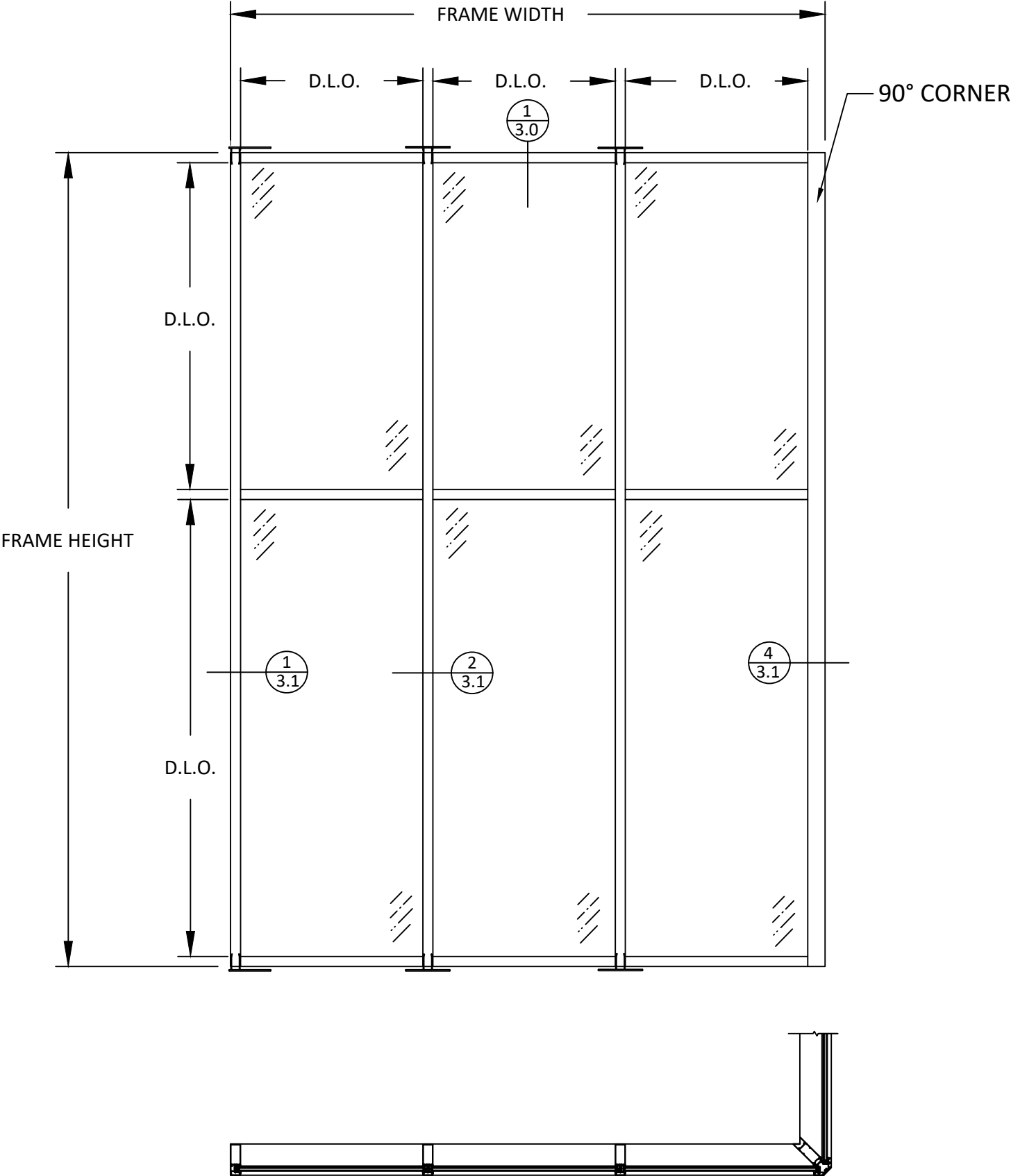
SCALE: NTS

DWG. #: KAW028

SECTION:

1.0

SHEET 1 OF 16



555 GUTHRIDGE CT
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TITLE:
1600 SYSTEM 1 CURTAIN WALL
(WZ3) (IMPACT)

ELEVATION

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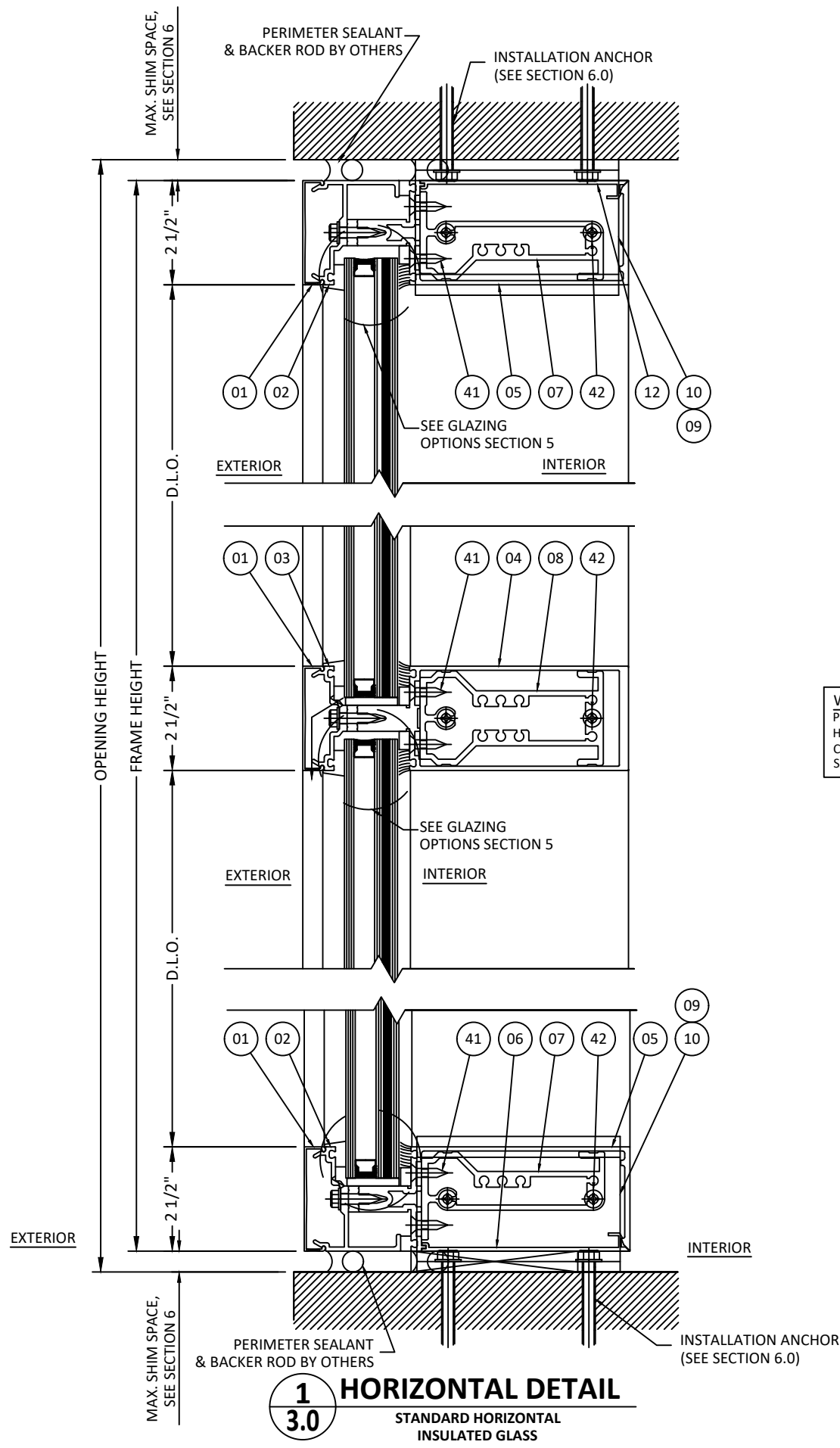
DWG. BY: **DI** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **KAW028**

SECTION: **2.0**

SHEET 2 OF 16



WEEPHOLES:
PRESSURE PLATES = 5/16" DIA. WEEP HOLES LOCATED 2 PER HORIZONTAL MULLION 3-5/8" FROM END OF PRESSURE PLATES. COVERS = 5/16" DIA. WEEP HOLES LOCATED 2 PER HORIZONTAL SNAP COVER 2" FROM END OF EACH SNAP COVER.



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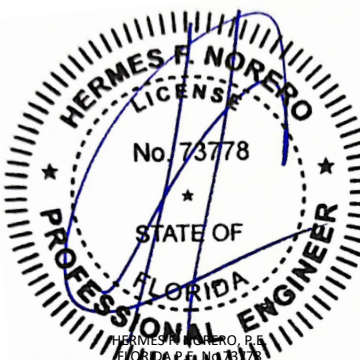
HORIZONTAL SECTION DETAILS

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HERMES F. NORERO, P.E.
398 E. DANIA BEACH BLVD., # 338
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FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

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DWG. BY:	CHK. BY:
DI	HFN

SCALE: **NTS**

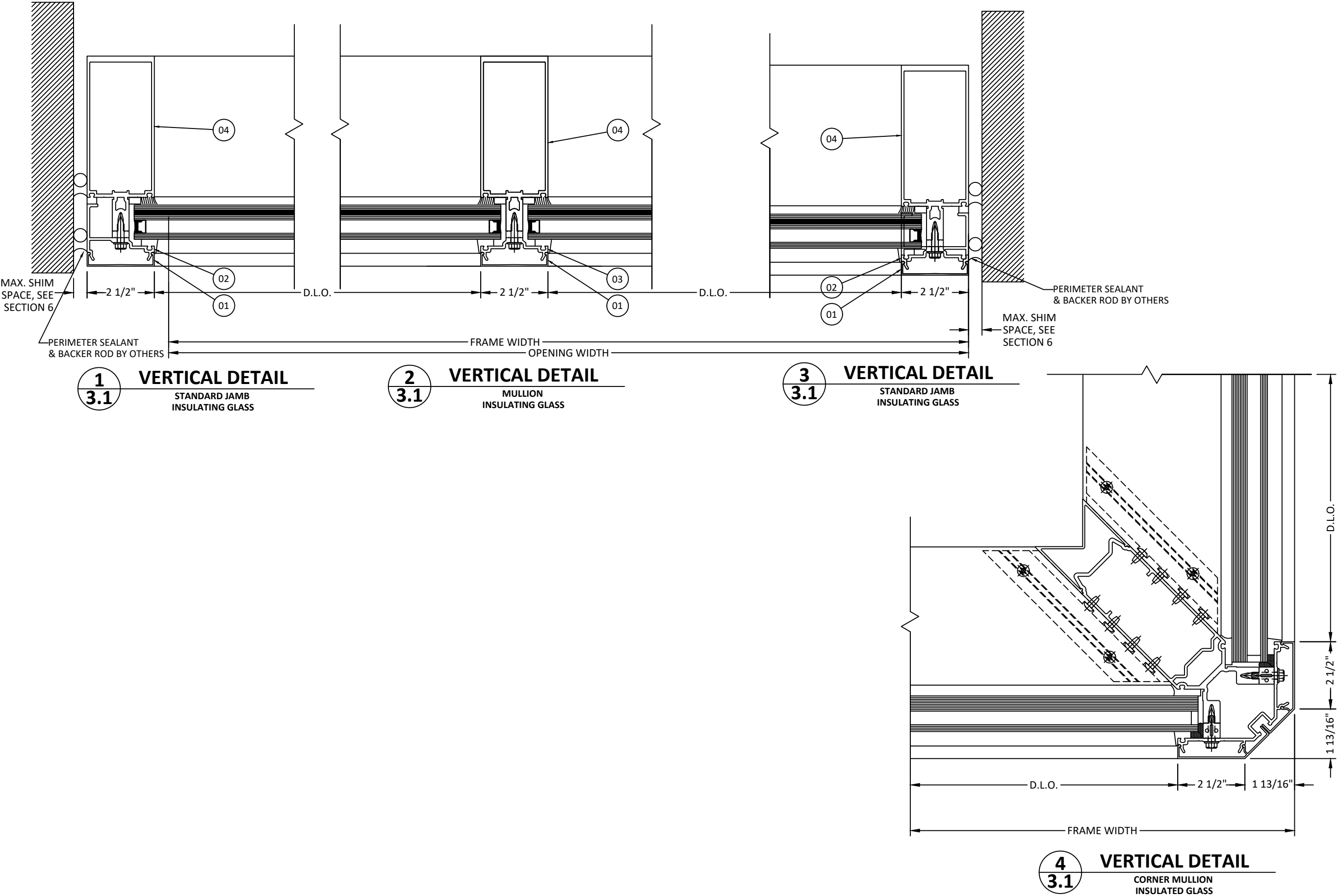
DWG. #: **KAW028**

SECTION:

3.0

SHEET 3 OF 16

VERTICAL MULLION DETAILS



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1600 SYSTEM 1 CURTAIN WALL
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VERTICAL SECTION DETAILS

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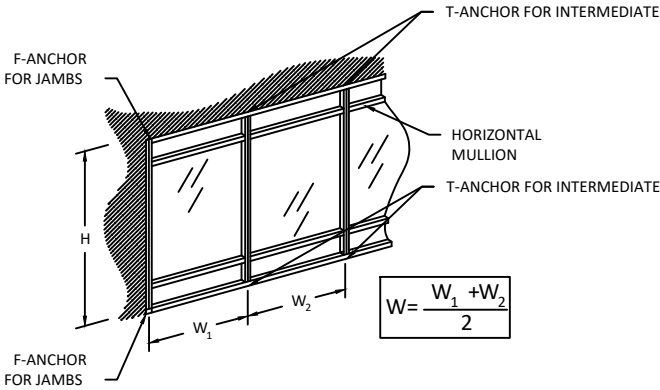
FL #:	FL41683
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DWG. BY:	DI
CHK. BY:	HFN
SCALE:	NTS
DWG. #:	KAW028
SECTION:	3.1

3.1

STANDARD MULLION CAPACITY CHARTS

NOTES

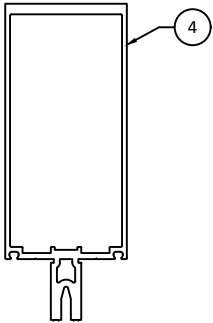
- 1. DESIGN PRESSURES ARE LIMITED BY THE MULLION FIBERSTRESS AND DEFLECTION CAPACITY PER FBC CURRENT SPECIFICATIONS FOR NON-HVHZ
- 2. SELECT DESIGN PRESSURE AND PANEL WIDTH (W) AND OBTAIN THE MAXIMUM ALLOWABLE DESIGN PRESSURE FOR MULLION.
- 3. FOR HORIZONTAL MULLIONS CAPACITY, SEE HORIZONTAL MULLION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



SINGLE SPAN

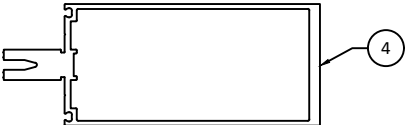
REINFORCING LENGTH = FRAME HEIGHT - 12 IN.

M1



STANDARD MULLION
(162004)

H1



HORIZONTAL MULLION
(162004)

* NOTE:
1. GLASS ABOVE THE HORIZONTAL MULLION IS LIMITED BY THE AREA PER FBC REQUIREMENTS. THE PSF RATING IS LIMITED TO 37.98 SQ FT ABOVE THE HORIZONTAL MULLION.



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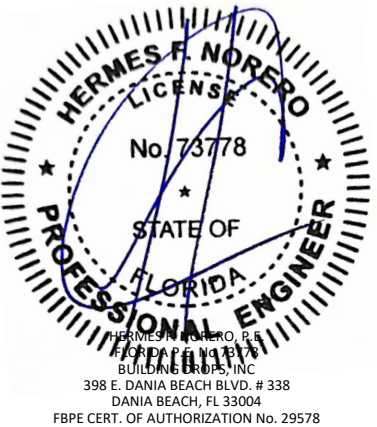
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CHK. BY: HFN

SCALE: NTS

DWG. #: KAW028

SECTION:

4.0

STANDARD MULLION CAPACITY CHARTS

DESIGN LOAD CAPACITY TABLE - PSF		
NOMINAL DIMS.		H1
TRIB. WIDTH - W (IN.)	"SPAN - L (IN.)"	
30.00	34.50	65.00
33.00		65.00
36.00		65.00
39.00		65.00
42.00		65.00
45.00		65.00
48.00		65.00
51.00		65.00
55.75		65.00
57.00		65.00
60.00		65.00
63.00		65.00
66.00		65.00
69.00		65.00
72.00		65.00
30.00	40.50	65.00
33.00		65.00
36.00		65.00
39.00		65.00
42.00		65.00
45.00		65.00
48.00		65.00
51.00		65.00
55.75		65.00
57.00		65.00
60.00		65.00
63.00		65.00
66.00		65.00
69.00		65.00
72.00		65.00
30.00	46.50	65.00
33.00		65.00
36.00		65.00
39.00		65.00
42.00		65.00
45.00		65.00
48.00		65.00
51.00		65.00
55.75		65.00
57.00		65.00
60.00		65.00
63.00		65.00
66.00		65.00
69.00		65.00
72.00		63.32

DESIGN LOAD CAPACITY TABLE - PSF		
NOMINAL DIMS.		H1
TRIB. WIDTH - W (IN.)	"SPAN - L (IN.)"	
30.00	52.50	65.00
33.00		65.00
36.00		65.00
39.00		65.00
42.00		65.00
45.00		65.00
48.00		65.00
51.00		65.00
55.75		65.00
57.00		65.00
60.00		65.00
63.00		64.09
66.00		61.18
69.00		58.52
72.00		56.08
30.00	58.50	65.00
33.00		65.00
36.00		65.00
39.00		65.00
42.00		65.00
45.00		65.00
48.00		65.00
51.00		65.00
55.75		65.00
57.00		63.57
60.00		60.40
63.00		57.52
66.00		54.91
69.00		52.52
72.00		50.33
30.00	64.50	65.00
33.00		65.00
36.00		65.00
39.00		65.00
42.00		64.37
45.00		60.08
48.00		56.33
51.00		53.01
55.75		48.50
57.00		47.43
60.00		45.06
63.00		42.91
66.00		40.96
69.00		39.18

DESIGN LOAD CAPACITY TABLE - PSF		
NOMINAL DIMS.		H1
TRIB. WIDTH - W (IN.)	"SPAN - L (IN.)"	
30.00	70.50	65.00
33.00		62.74
36.00		57.51
39.00		53.09
42.00		49.30
45.00		46.01
48.00		43.13
51.00		40.60
55.75		37.14
57.00		36.32
60.00		34.51
63.00		32.86
66.00		31.37

VERTICAL MULLION DESIGN LOAD CAPACITY TABLE - PSF		
NOMINAL DIMS.		M1
"WIDTH - W (IN.)"	"FRAME HEIGHT - H (IN.)"	
36.75	66.00	90.00
42.75		90.00
48.75		90.00
54.75		90.00
60.75		90.00
66.75		90.00
72.75		90.00
36.75	72.00	90.00
42.75		90.00
48.75		90.00
54.75		90.00
60.75		90.00
66.75		90.00
72.75		90.00
36.75	78.00	90.00
42.75		90.00
48.75		90.00
54.75		90.00
60.75		90.00
66.75		90.00
72.75		90.00
36.75	84.00	90.00
42.75		90.00
48.75		90.00
54.75		90.00
60.75		90.00
66.75		90.00
72.75		90.00
36.75	90.00	90.00
42.75		90.00
48.75		90.00
54.75		90.00
60.75		90.00
66.75		90.00
72.75		90.00
36.75	96.00	90.00
42.75		90.00
48.75		90.00
54.75		90.00
60.75		90.00
66.75		90.00

VERTICAL MULLION DESIGN LOAD CAPACITY TABLE - PSF		
NOMINAL DIMS.		M1
"WIDTH - W (IN.)"	"FRAME HEIGHT - H (IN.)"	
36.75	102.00	90.00
42.75		90.00
48.75		90.00
54.75		90.00
60.75		90.00
66.75		90.00
36.75	108.00	90.00
42.75		90.00
48.75		90.00
54.75		90.00
60.75		90.00
66.75		90.00
36.75	114.00	90.00
42.75		90.00
48.75		90.00
54.75		90.00
59.75		90.00
66.75		90.00
36.75	120.00	90.00
42.75		90.00
48.75		90.00
54.75		84.21
60.75		90.00
66.75		90.00
36.75	126.00	90.00
42.75		90.00
48.75		81.70
54.75		90.00
60.75		90.00
66.75		90.00
36.75	132.00	90.00
42.75		81.03
48.75		71.06
54.75		90.00
60.75		90.00
66.75		90.00
36.75	138.00	82.49
42.75		70.91
48.75		62.18
54.75		90.00
60.75		90.00
66.75		90.00
36.75	144.00	72.60
42.75		62.41
48.75		64.23
54.75		55.22
60.75		90.00
66.75		90.00
36.75	150.00	57.10
42.75		49.09
48.75		50.99
54.75		45.72
60.75		41.15
66.75		37.17



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TITLE:
1600 SYSTEM 1 CURTAIN WALL
(WZ3) (IMPACT)

VERTICAL MULLION DETAILS

PREPARED BY:

BUILDING DROPS, INC.

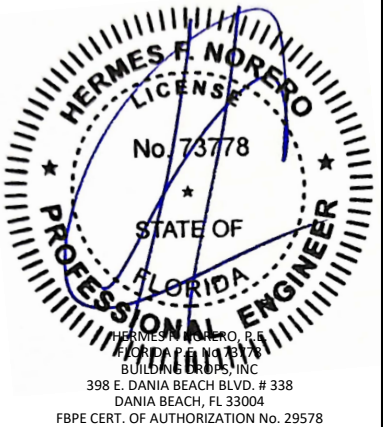
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SCALE: **NTS**

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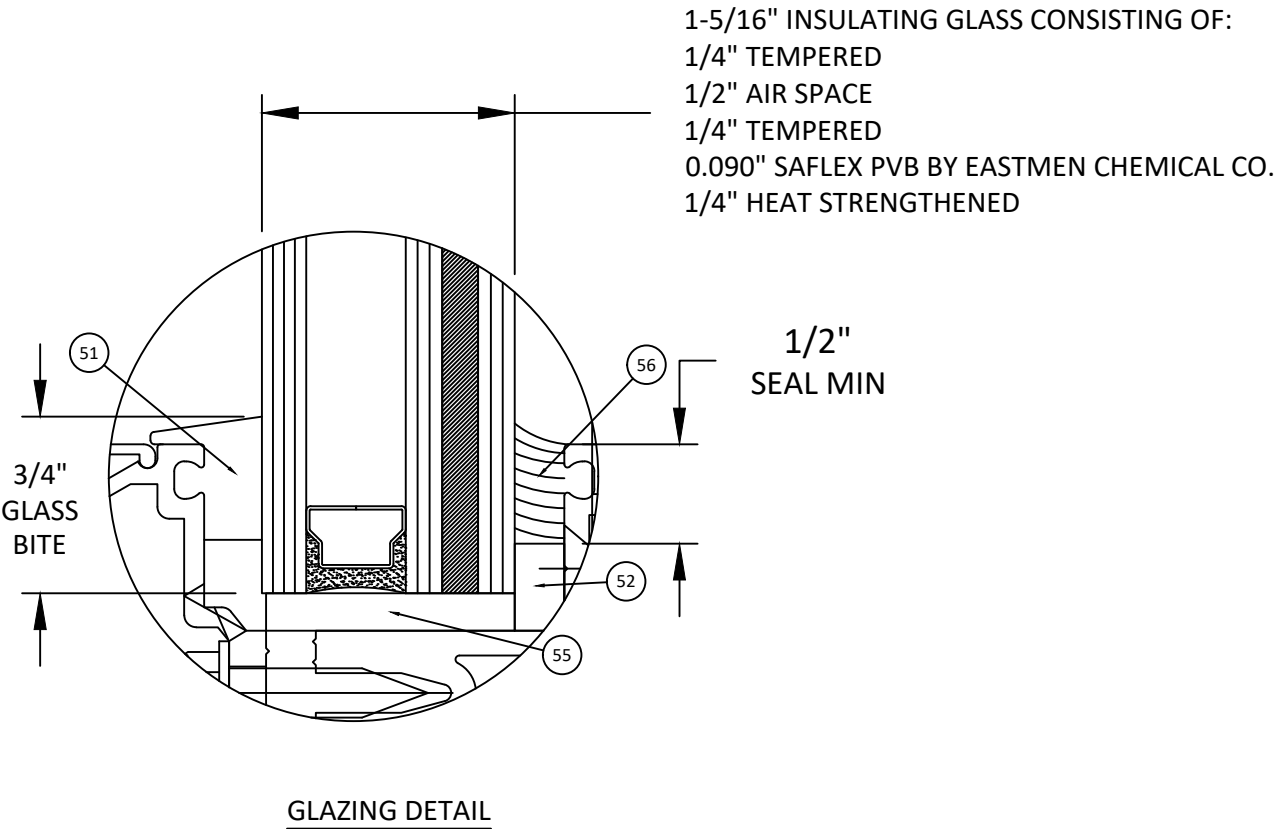
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4.1

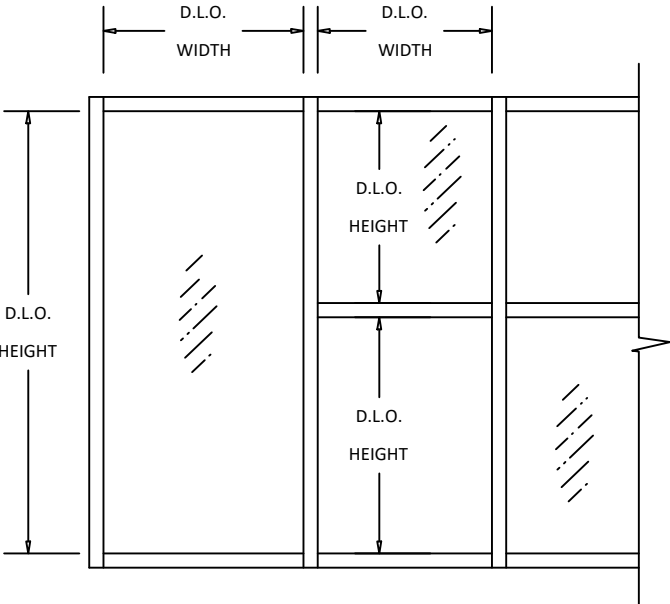
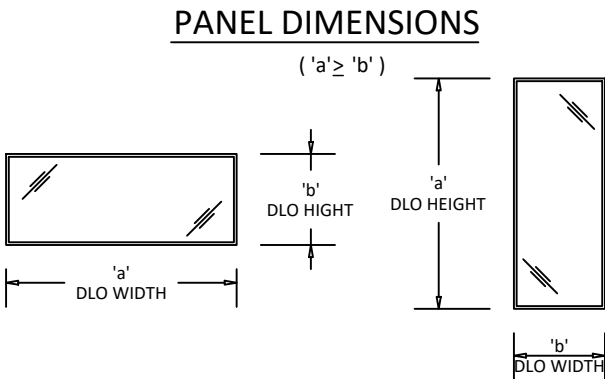
INSULATING IMPACT GLASS OPTIONS

NOTES:

- 1. CHART VALUES PROVIDE MAXIMUM DESIGN PRESSURES ACCORDING TO ASTM E1300 FOR GIVEN GLASS DIMENSIONS 'a' AND 'b' ($a \geq b$), AND CH. 17 OF THE FBC FOR SIZES OTHER THAN TESTED
- 2. DO NOT EXCEED MULLION CAPACITY SELECTED OR ANCHOR CAPACITY IN DESIGN PRESSURE CHARTS



- * NOTE:
- 1. 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.
 - 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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GLAZING DETAILS

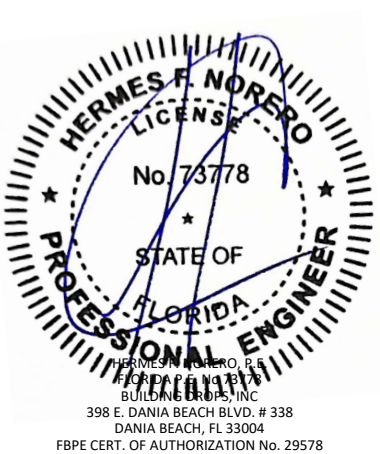
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SECTION:

5.0

GLASS LOAD CAPACITY

GLASS LOAD CAPACITY (PSF)		
D.L.O. DIMENSIONS		"GLASS TYPE G1"
"D.L.O. WIDTH (IN.)"	"D.L.O. HEIGHT (IN.)"	
36.50	45.50	90.0
42.50		90.0
48.50		90.0
54.50		90.0
58.50		90.0
66.50		79.2
72.50		72.6
78.50		67.1
84.50		62.3
90.50		58.2
36.50	51.50	90.0
42.50		90.0
48.50		90.0
54.50		90.0
58.50		90.0
66.50		79.2
72.50		72.6
78.50		67.1
84.50		62.3
90.50		58.2
96.50		54.6
102.50		51.4
36.50	57.50	90.0
42.50		90.0
48.50		90.0
54.50		90.0
58.50		90.0
66.50		79.2
72.50		72.6
78.50		67.1
84.50		62.3
90.50		58.2
36.50	63.50	90.0
42.50		90.0
48.50		90.0
54.50		90.0
58.50		90.0
66.50		79.2
72.50		72.6
78.50		67.1
84.50		62.3

GLASS LOAD CAPACITY (PSF)		
D.L.O. DIMENSIONS		"GLASS TYPE G1"
"D.L.O. WIDTH (IN.)"	"D.L.O. HEIGHT (IN.)"	
36.50	69.50	90.0
42.50		90.0
48.50		90.0
54.50		90.0
58.50		90.0
66.50		79.2
72.50		72.6
78.50		67.1
36.50	75.50	90.0
42.50		90.0
48.50		90.0
54.50		90.0
58.50		90.0
66.50		79.2
36.50	81.50	90.0
42.50		90.0
48.50		90.0
54.50		90.0
58.50		90.0
66.50		79.2
36.50	87.50	90.0
42.50		90.0
48.50		90.0
54.50		90.0
58.50	93.50	90.0
66.50		90.0
72.50		90.0
78.50		90.0
84.50		90.0
36.50	99.50	90.0
42.50		90.0
48.50		90.0
54.50		90.0
36.50	105.50	90.0
42.50		90.0
48.50		90.0
36.50	111.50	90.0
42.50		90.0
48.50	117.50	90.0
54.50		90.0
36.50	123.50	90.0
42.50		90.0
36.50	129.50	90.0
36.50	135.50	90.0
36.50	141.50	90.0
36.50	147.50	90.0



555 GUTHRIDGE CT
NORCROSS, GA 30092
PH: (770) 840-6431

TITLE:
1600 SYSTEM 1 CURTAIN WALL
(WZ3) (IMPACT)

GLAZING DETAILS

PREPARED BY:

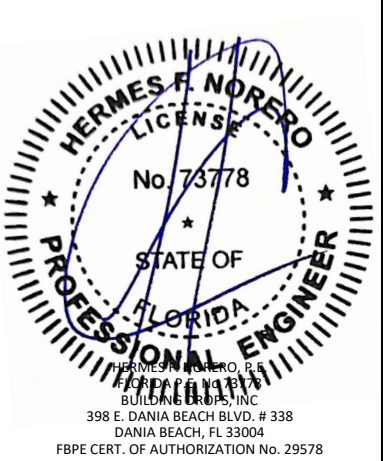
BUILDING DROPS, INC.

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

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FL #:
FL41683

DATE: **08.31.23**

DWG. BY: **DI** | CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **KAW028**

SECTION:
5.1

SHEET 5 OF 16

F & T ANCHOR TYPES

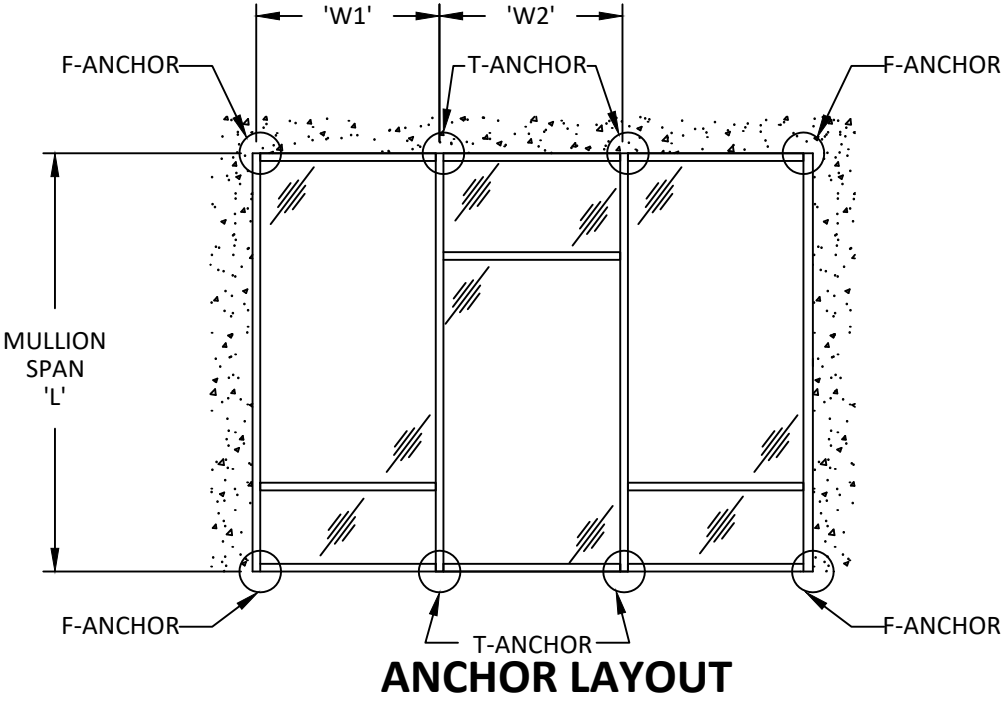
TYPE	DIAMETER	ANCHOR TYPE	SUBSTRATE	MINIMUM EDGE DISTANCE	MINIMUM EMBEDMENT
A	5/16"	ULTRACON	MIN. 3000 PSI CONCRETE 'CRACKED OR UNCRAKED'	3"	2"
B	1/4"	GR. 5 SMS OR SELF-DRILLING SCREW	MIN. 16 GA. 50 KSI METAL STUD, MIN. 1/8" THICK A36 STEEL OR ALUM. 6063-T5	1/2"	MIN. 3 THREADS PENETRATION BEYOND STEEL OR ALUM. STRUCTURE

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	$W = \frac{W1}{2}$

*REFER TO SECTION 4.1 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 6.2 & 6.3 DETAILS FOR ANCHOR CONFIGURATIONS.
5. REFER TO SECTION 6.1 DETAILS FOR T & F ANCHOR TYPE CAPACITIES.



555 GUTHRIDGE CT
NORCROSS, GA 30092
PH: (770) 840-6431

TITLE:
1600 SYSTEM 1 CURTAIN WALL
(WZ3) (IMPACT)

F & T ANCHOR TYPES

PREPARED BY:

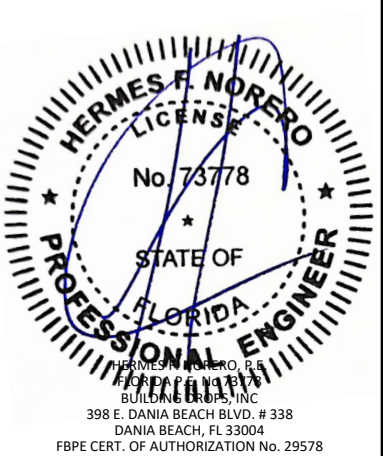
BUILDING DROPS, INC.

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REMARKS	BY	DATE

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FL #: **FL41683**

DATE: **08.31.23**

DWG. BY: **DI** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **KAW028**

SECTION:

6.0

F & T ANCHOR CAPACITIES

MAX. ANCHOR CAPACITY - DESIGN PRESSURES (+/- PSF)									
MAX. AVG. WIDTH 'W' (IN)	MAX. SPAN HEIGHT 'H' (IN)	ANCHOR TYPE 'B2' WITH 1/2 IN SHIM SPACE	ANCHOR TYPE 'B2' WITH 3/4 IN SHIM SPACE	ANCHOR TYPE 'B4' WITH 1/2 IN SHIM SPACE	ANCHOR TYPE 'B4' WITH 3/4 IN SHIM SPACE	ANCHOR TYPE 'C2' WITH 1/2 IN SHIM SPACE	ANCHOR TYPE 'C2' WITH 3/4 IN SHIM SPACE	ANCHOR TYPE 'C4' WITH 1/2 IN SHIM SPACE	ANCHOR TYPE 'C4' WITH 3/4 IN SHIM SPACE
36.75	66	48.1	39.9	90.0	79.8	54.3	38.4	90.0	76.8
42.75		41.3	34.3	82.7	68.6	46.6	33.0	90.0	66.0
48.75		36.3	30.1	72.5	60.2	40.9	28.9	81.8	57.9
54.75		32.3	26.8	64.6	53.6	36.4	25.8	72.9	51.5
60.75		29.1	24.1	58.2	48.3	32.8	23.2	65.7	46.4
66.75		26.5	22.0	53.0	44.0	29.9	21.1	59.8	42.3
72.75	72	24.3	20.2	48.6	40.3	27.4	19.4	54.8	38.8
36.75		44.1	36.6	88.2	73.2	49.7	35.2	90.0	70.4
42.75		37.9	31.5	75.8	62.9	42.8	30.2	85.5	60.5
48.75		33.2	27.6	66.5	55.2	37.5	26.5	75.0	53.0
54.75		29.6	24.6	59.2	49.1	33.4	23.6	66.8	47.2
60.75		26.7	22.1	53.3	44.3	30.1	21.3	60.2	42.6
66.75	78	24.3	20.1	48.5	40.3	27.4	19.4	54.8	38.7
72.75		22.3	18.5	44.5	37.0	25.1	17.8	50.3	35.5
36.75		40.7	33.8	81.4	67.6	45.9	32.5	90.0	65.0
42.75		35.0	29.0	70.0	58.1	39.5	27.9	78.9	55.8
48.75		30.7	25.5	61.3	50.9	34.6	24.5	69.2	49.0
54.75		27.3	22.7	54.6	45.3	30.8	21.8	61.6	43.6
60.75	84	24.6	20.4	49.2	40.9	27.8	19.6	55.6	39.3
66.75		22.4	18.6	44.8	37.2	25.3	17.9	50.6	35.8
72.75		20.6	17.1	41.1	34.1	23.2	16.4	46.4	32.8
36.75		37.8	31.4	75.6	62.7	42.6	30.2	85.3	60.3
42.75		32.5	27.0	65.0	53.9	36.7	25.9	73.3	51.9
48.75		28.5	23.6	57.0	47.3	32.1	22.7	64.3	45.5
54.75	90	25.4	21.1	50.7	42.1	28.6	20.2	57.2	40.5
60.75		22.9	19.0	45.7	37.9	25.8	18.2	51.6	36.5
66.75		20.8	17.3	41.6	34.5	23.5	16.6	46.9	33.2
72.75		19.1	15.8	38.2	31.7	21.5	15.2	43.1	30.5
36.75		35.3	29.3	70.5	58.5	39.8	28.1	79.6	56.3
42.75		30.3	25.2	60.6	50.3	34.2	24.2	68.4	48.4
48.75	90	26.6	22.1	53.2	44.1	30.0	21.2	60.0	42.4
54.75		23.7	19.7	47.3	39.3	26.7	18.9	53.4	37.8
60.75		21.3	17.7	42.7	35.4	24.1	17.0	48.1	34.1
66.75		19.4	16.1	38.8	32.2	21.9	15.5	43.8	31.0
72.75		17.8	14.8	35.6	29.6	20.1	14.2	40.2	28.4

MAX. ANCHOR CAPACITY - DESIGN PRESSURES (+/- PSF)									
MAX. AVG. WIDTH 'W' (IN)	MAX. SPAN HEIGHT 'H' (IN)	ANCHOR TYPE 'B2' WITH 1/2 IN SHIM SPACE	ANCHOR TYPE 'B2' WITH 3/4 IN SHIM SPACE	ANCHOR TYPE 'B4' WITH 1/2 IN SHIM SPACE	ANCHOR TYPE 'B4' WITH 3/4 IN SHIM SPACE	ANCHOR TYPE 'C2' WITH 1/2 IN SHIM SPACE	ANCHOR TYPE 'C2' WITH 3/4 IN SHIM SPACE	ANCHOR TYPE 'C4' WITH 1/2 IN SHIM SPACE	ANCHOR TYPE 'C4' WITH 3/4 IN SHIM SPACE
36.75	96	33.1	27.4	66.1	54.9	37.3	26.4	74.6	52.8
42.75		28.4	23.6	56.8	47.2	32.1	22.7	64.1	45.4
48.75		24.9	20.7	49.8	41.4	28.1	19.9	56.2	39.8
54.75		22.2	18.4	44.4	36.8	25.0	17.7	50.1	35.4
60.75		20.0	16.6	40.0	33.2	22.6	16.0	45.1	31.9
66.75		18.2	15.1	36.4	30.2	20.5	14.5	41.1	29.1
36.75	102	31.1	25.8	62.2	51.7	35.1	24.8	70.2	49.7
42.75		26.7	22.2	53.5	44.4	30.2	21.4	60.4	42.7
48.75		23.5	19.5	46.9	38.9	26.5	18.7	52.9	37.4
54.75		20.9	17.3	41.8	34.7	23.6	16.7	47.1	33.3
60.75		18.8	15.6	37.6	31.3	21.2	15.0	42.5	30.0
66.75		17.1	14.2	34.3	28.4	19.3	13.7	38.7	27.3
36.75	108	29.4	24.4	58.8	48.8	33.2	23.5	66.3	46.9
42.75		25.3	21.0	50.5	41.9	28.5	20.2	57.0	40.3
48.75		22.2	18.4	44.3	36.8	25.0	17.7	50.0	35.4
54.75		19.7	16.4	39.5	32.8	22.3	15.7	44.5	31.5
60.75		17.8	14.8	35.6	29.5	20.1	14.2	40.1	28.4
36.75	114	27.8	23.1	55.7	46.2	31.4	22.2	62.8	44.4
42.75		23.9	19.9	47.9	39.7	27.0	19.1	54.0	38.2
48.75		21.0	17.4	42.0	34.8	23.7	16.8	47.4	33.5
54.75		18.7	15.5	37.4	31.0	21.1	14.9	42.2	29.8
60.75		26.4	22.0	52.9	43.9	29.8	21.1	59.7	42.2
66.75		22.7	18.9	45.5	37.7	25.7	18.1	51.3	36.3
36.75	120	19.9	16.6	39.9	33.1	22.5	15.9	45.0	31.8
42.75		17.8	14.7	35.5	29.5	20.0	14.2	40.1	28.3
48.75		25.2	20.9	50.4	41.8	28.4	20.1	56.8	40.2
54.75		21.7	18.0	43.3	36.0	24.4	17.3	48.9	34.6
60.75		19.0	15.8	38.0	31.5	21.4	15.2	42.9	30.3
66.75		24.0	20.0	48.1	39.9	27.1	19.2	54.3	38.4
36.75	132	20.7	17.2	41.3	34.3	23.3	16.5	46.6	33.0
42.75		18.1	15.0	36.3	30.1	20.5	14.5	40.9	28.9
48.75		23.0	19.1	46.0	38.2	26.0	18.4	51.9	36.7
54.75		19.8	16.4	39.5	32.8	22.3	15.8	44.6	31.6
60.75		17.3	14.4	34.7	28.8	19.6	13.8	39.1	27.7
66.75		22.0	18.3	44.1	36.6	24.9	17.6	49.7	35.2
36.75	144	18.9	15.7	37.9	31.5	21.4	15.1	42.8	30.2
42.75		21.2	17.6	42.3	35.1	23.9	16.9	47.8	33.8
48.75		18.2	15.1	36.4	30.2	20.5	14.5	41.1	29.0
54.75		20.3	16.9	40.7	33.8	23.0	16.2	45.9	32.5
60.75		17.5	14.5	35.0	29.0	19.7	14.0	39.5	27.9
66.75		19.6	16.3	39.2	32.5	22.1	15.6	44.2	31.3
36.75	162	18.9	15.7	37.8	31.4	21.3	15.1	42.6	30.2
42.75		18.2	15.1	36.5	30.3	20.6	14.6	41.2	29.1
48.75		17.6	14.6	35.3	29.3	19.9	14.1	39.8	28.1
54.75									
60.75									
66.75									

NOTE:

IN TABLE TITLE, "ANCHOR TYPE" FOLLOWED BY TWO (2), REPRESENTS TWO (2) ANCHORS PER CLIP.

"ANCHOR TYPE" FOLLOWED BY FOUR (4), REPRESENTS FOUR (4) ANCHORS PER CLIP.



555 GUTHRIDGE CT
NORCROSS, GA 30092
PH: (770) 840-6431

TITLE:
1600 SYSTEM 1 CURTAIN WALL
(WZ3) (IMPACT)

ANCHORS

PREPARED BY:

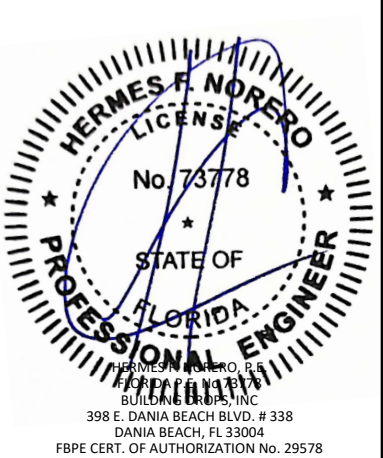
BUILDING DROPS, INC.

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 #:

FL41683

DATE: 08.31.23

DWG. BY:

DI

CHK. BY:

HFN

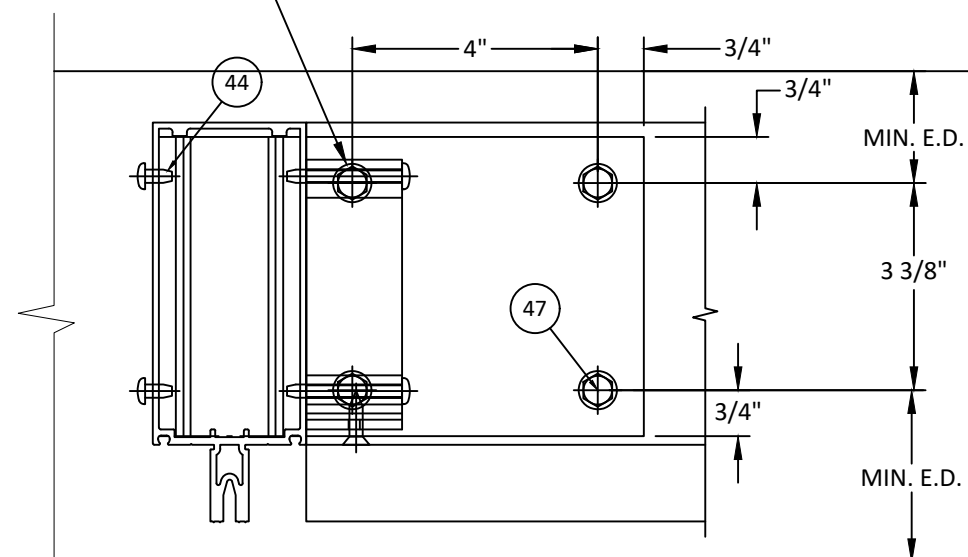
SCALE: NTS

DWG. #: KAW028

SECTION:

6.1

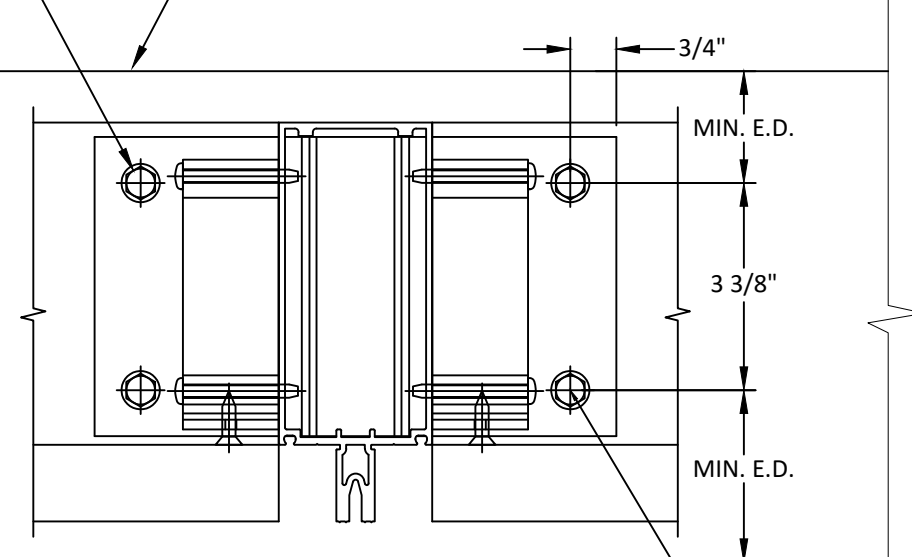
INSTALLATION ANCHOR
SEE SECTION 6.0



1
6.2 **ANCHOR DETAIL**
F-ANCHOR

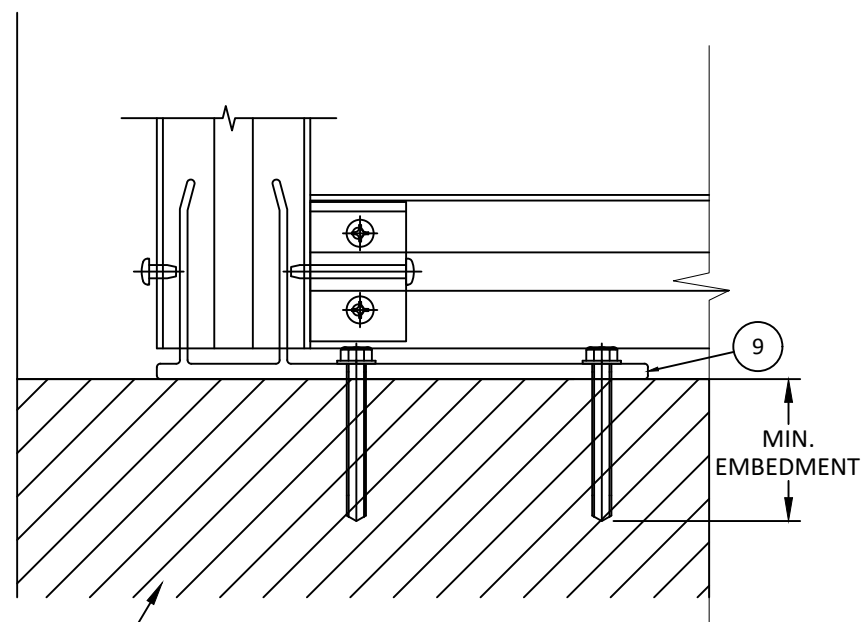
INSTALLATION ANCHOR
SEE SECTION 6.0

EDGE OF OPENING SUBSTRATE
BY OTHERS.
SEE INSTALLATION ANCHOR
REQUIREMENTS



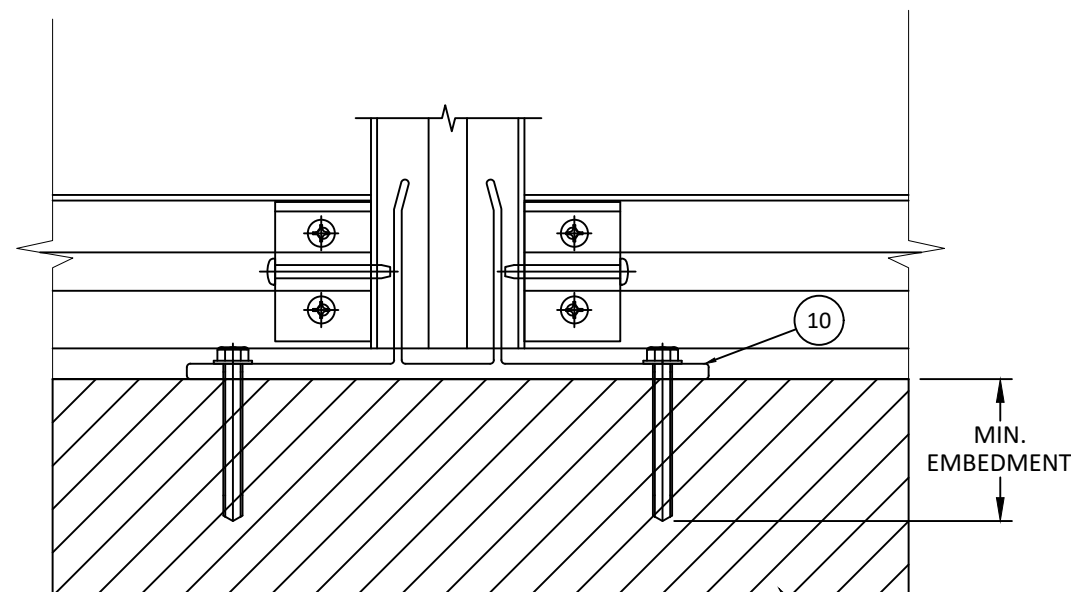
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6.2 **ANCHOR DETAIL**
T-ANCHOR

CONCRETE OR STEEL SUBSTRATE
BY OTHERS.
SEE INSTALLATION ANCHOR
REQUIREMENTS



EXTERIOR VIEW
F-ANCHOR (TYPICAL)

CONCRETE OR STEEL SUBSTRATE
BY OTHERS.
SEE INSTALLATION ANCHOR
REQUIREMENTS



EXTERIOR VIEW
T-ANCHOR (TYPICAL)



555 GUTHRIDGE CT
NORCROSS, GA 30092
PH: (770) 840-6431

TITLE:
1600 SYSTEM 1 CURTAIN WALL
(WZ3) (IMPACT)

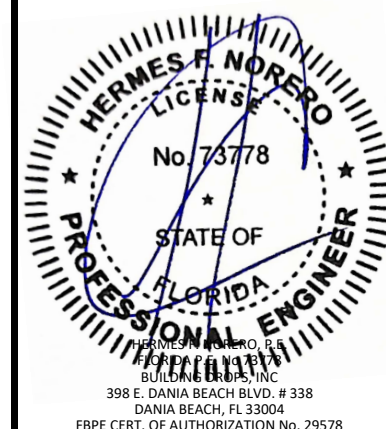
ANCHORS

PREPARED BY:
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REMARKS	BY	DATE

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DOCUMENTS FOR USE WITH THIS DOCUMENT



FL #:
FL41683

DATE: **08.31.23**

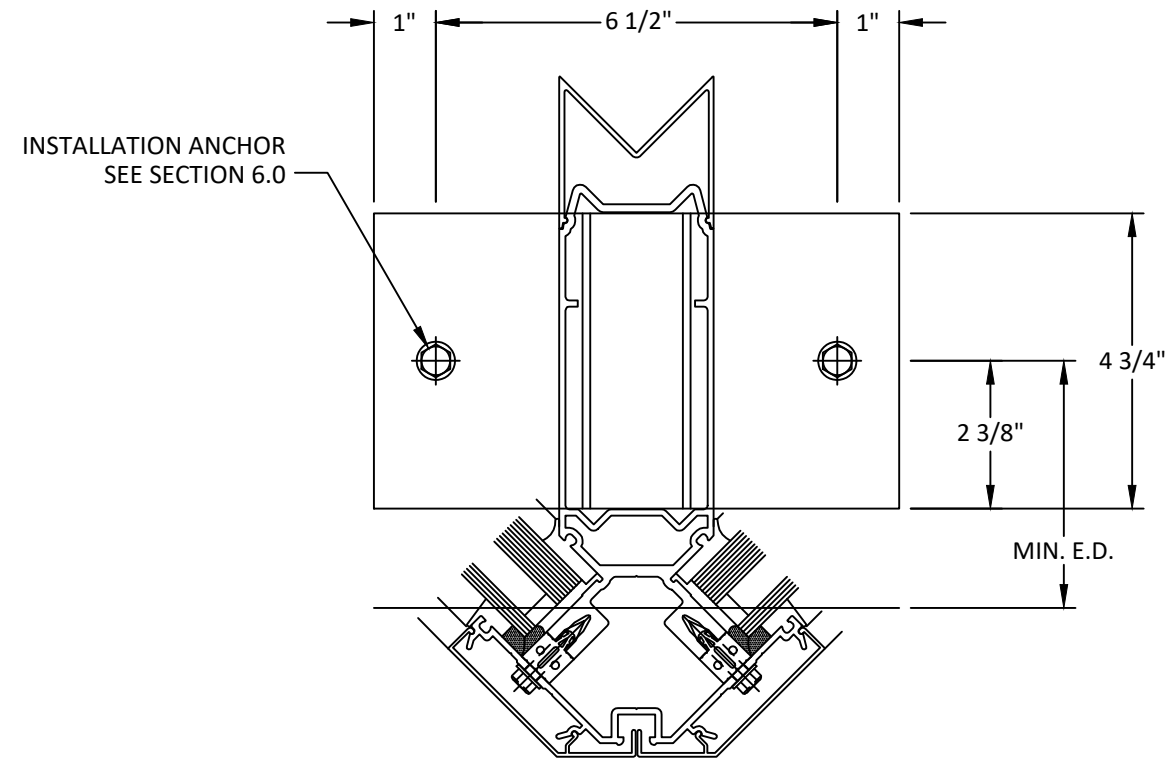
DWG. BY: **DI** CHK. BY: **HFN**

SCALE: **NTS**

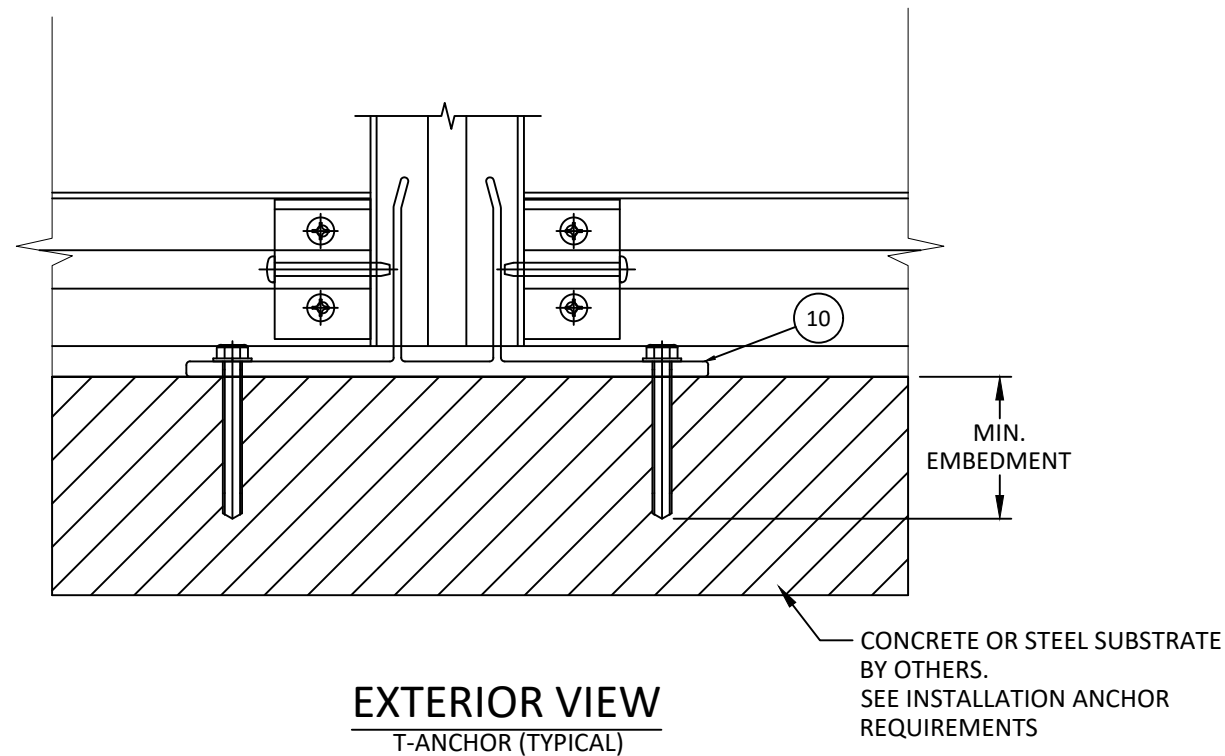
DWG. #: **KAW028**

SECTION:

6.2



1
6.3 **ANCHOR DETAIL**
T-ANCHOR



555 GUTHRIDGE CT
NORCROSS, GA 30092
PH: (770) 840-6431

TITLE:
1600 SYSTEM 1 CURTAIN WALL
(WZ3) (IMPACT)

ANCHORS

PREPARED BY:
BUILDING DROPS, INC.
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DANIA BEACH, FL 33004
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REMARKS	BY	DATE

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FL #: **FL41683**

DATE: **08.31.23**

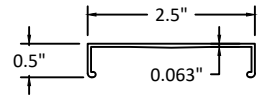
DWG. BY: **DI** CHK. BY: **HFN**

SCALE: **NTS**

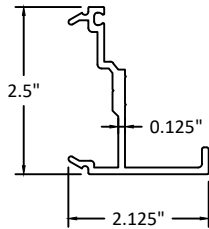
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SECTION: **6.3**

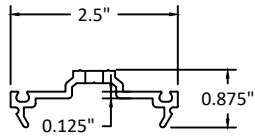
SHEET 14 OF 16



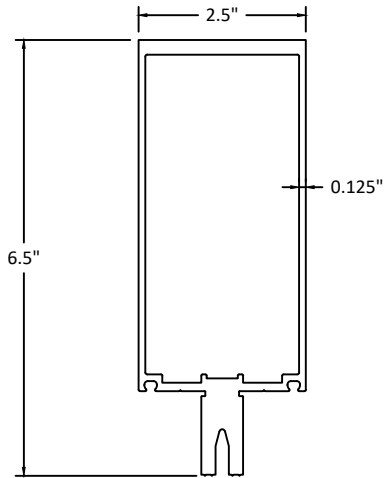
① COVER



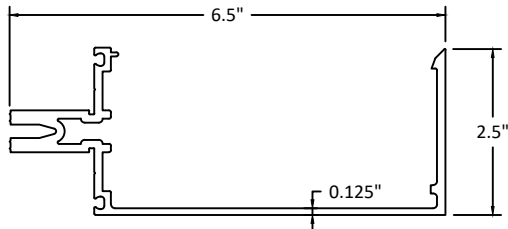
② PERIMETER PRESSURE PLATE



③ PRESSURE PLATE

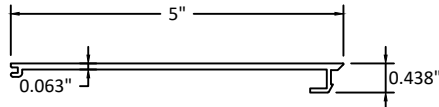


④ 7 1/2" MULLION



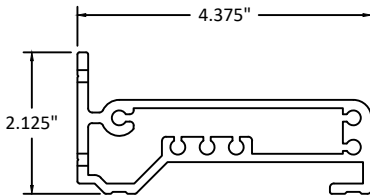
⑤ 7 1/2" OPEN BACK

⑪

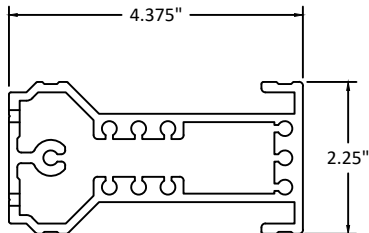


⑥ 7 1/2" OPEN BACK FILLER

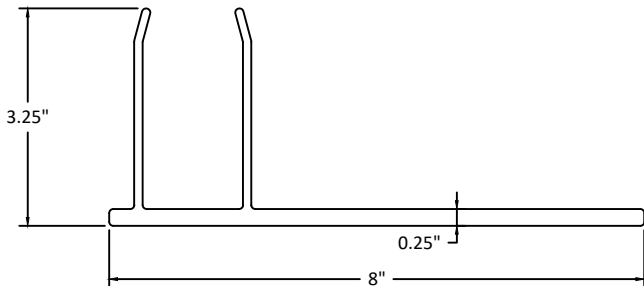
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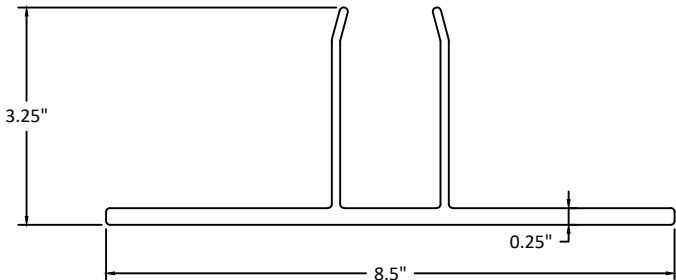
⑦ HEAD/SILL SHEAR BLOCK



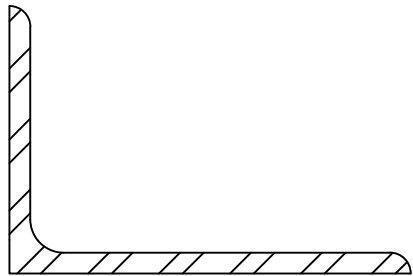
⑧ HORIZONTAL SHEAR BLOCK



⑨ F-ANCHOR



⑩ T-ANCHOR



⑭ PLUG ANCHOR STEEL ANGLE



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TITLE:
1600 SYSTEM 1 CURTAIN WALL
(WZ3) (IMPACT)

COMPONENTS

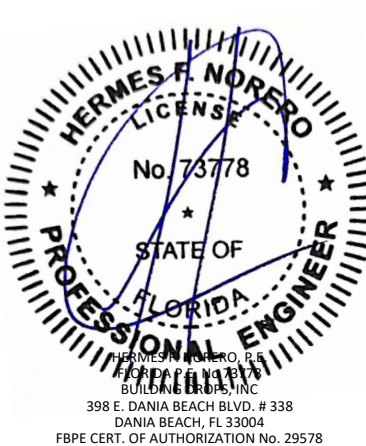
PREPARED BY:

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REMARKS	BY	DATE

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FL #: **FL41683**

DATE: **08.31.23**

DWG. BY: **DI** CHK. BY: **HFN**

SCALE: **NTS**

DWG. #: **KAW028**

SECTION:

7.0

SHEET 16 OF 16

BILL OF MATERIALS				
NO.	PART NO.	DESCRIPTION	DIMENSIONS	MATERIAL
EXTRUSIONS				
01	162006	COVER	2.500 x 0.504 x 0.060	6063 T6 ALUMINUM
02	162528	PERIMETER PRESSURE PLATE	2.500 x 2.097 x 0.100	6063 T6 ALUMINUM
03	162517	PRESSURE PLATE	2.500 x 0.847 x 0.100	6063 T6 ALUMINUM
04	162004	7 1/2" MULLION	2.500 x 6.500 x 0.100	6063 T6 ALUMINUM
05	162095	7 1/2" OPEN BACK HEAD/SILL	2.500 x 6.500 x 0.100	6063 T6 ALUMINUM
06	162020	OPEN BACK FILLER	0.434 x 4.973 x 0.090	6063 T6 ALUMINUM
07	162332	HEAD/SILL SHEAR BLOCK	4.395 x 2.895 x 0.125	6063 T6 ALUMINUM
08	162378	HORIZONTAL SHEAR BLOCK	4.395 x 2.895 x 0.125	6063 T6 ALUMINUM
09	162311	"F" ANCHOR	3.250 x 8.000 x 0.250	6063 T6 ALUMINUM
10	162312	"T" ANCHOR	3.250 x 8.500 x 0.250	6063 T6 ALUMINUM
11	162091	7 1/2" OPEN BACK HORIZONTAL	2.500 x 6.500 x 0.100	6063 T6 ALUMINUM
12	162317	7 1/2" OPEN BACK SHIM FILLER	0.434 x 4.973 x 0.090	6063 T6 ALUMINUM
13	162341	PLUG ANCHOR	2.250 x 4.750 x 0.250 x 3.000	6063 T6 ALUMINUM
14		PLUG ANCHOR STEEL ANGLE	6.000 x 4.000 x 0.313 x 4.250	GRADE 50 STEEL
FASTENERS				
40	128406	PRESSURE PLATE ATTACHMENT SCREW	1/4 X 1" AB HWHTF	300 SERIES STAINLESS STEEL
41	128405	HORIZONTAL ATTACHMENT SCREW	#12 x 7/8" AB FHTF	300 SERIES STAINLESS STEEL
42	128394	SHEAR BLOCK ATTACHMENT SCREW	#12 x 1 7/8" B PHTF	430 SERIES STAINLESS STEEL
43	128236	PLUG ANCHOR ATTACHMENT BOLT	3/8-16 x 1 1/4" BOLT	300 SERIES STAINLESS STEEL
44	128396	"F" ANCHOR LOCATION SCREW	#12 x 7/16" B PHTF	430 SERIES STAINLESS STEEL
45	028779	PLUG ANCHOR LOCK WASHERS	3/8" LOCK WASHER	300 SERIES STAINLESS STEEL
46	028780	PLUG ANCHOR HEX BOLT	3/8-16 HEX NUT	300 SERIES STAINLESS STEEL
47		ANCHOR ATTACHMENT SCREW	5/16" x 2-1/2" ULTRACON ANCHOR	GRADE 5 STEEL
GASKETS AND WEATHERING				
50	027857	FIXED PERIMETER GASKET	0.360 x 0.400	SHORE "A" 70±5 DUROMETER EPDM
51	027850	FIXED GASKET	0.615 x 0.630	SHORE "A" 60±5 DUROMETER EPDM
52	127192	FOAM TAPE	0.313 x 0.438	NORTON V2100 SERIES FOAM TAPE
53	162310	THERMAL BREAK	0.250 x 0.626	SHORE "A" 70±5 DUROMETER EPDM
54	171300	THERMAL SEPERATOR	1.280 x 0.626	6/6 POLYAMIDE
55	027081	SETTING BLOCK	4.125 x 1.250 x 0.188	SHORE "A" 85±5 DUROMETER EPDM
56		DOW CORNING 983/995 SILICONE	N/A	SILICONE SEALANT (SEE GLAZING SCHED)



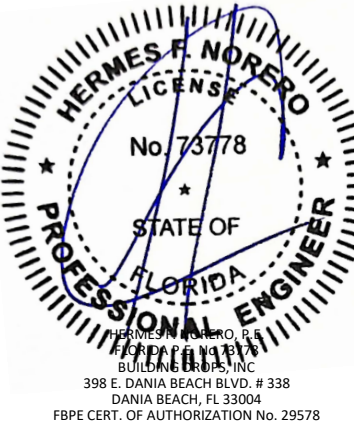
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(WZ3) (IMPACT)
BILL OF MATERIALS

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FBPE CERT. OF AUTHORIZATION No. 29578

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SHEET 17 OF 16