

KAWNEER COMPANY

1600 SYSTEM 1 CURTAIN WALL

(HVHZ)(MISSILE LEVEL E)

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. ADHESIVE ANCHORS MUST BE INSTALLED BY PERSONNEL CERTIFIED FOR THE SPECIFIED ANCHOR INSTALLATION.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE, **INCLUDING** 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.
- 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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INSTRUCTIONS:

- STEP 1:** DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2:** SEE CHARTS IN SECTION 5 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE
- STEP 3:** CHECK MULLION CAPACITY FOR A GIVEN SPACING, SINGLE SPAN AND ANCHOR LAYOUT IN SECTION 4
- STEP 4:** CHECK ANCHOR CAPACITY FOR A GIVEN SPACING, SINGLE SPAN AND ANCHOR LAYOUT IN SECTION 6.
- STEP 5:** THE LOWEST VALUE RESULTING FROM STEP 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM



KAWNEER COMPANY

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TITLE:
1600 SYSTEM 1 CURTAIN WALL
(HVHZ) (MISSILE LEVEL E)

GENERAL & INSTALLATION NOTES

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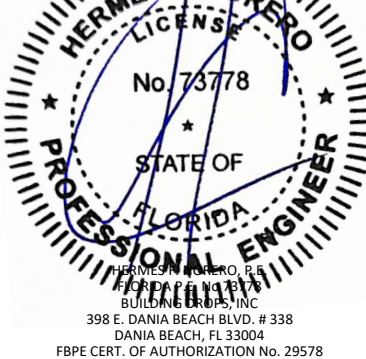
BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
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REMARKS	BY	DATE

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Reason: I am approving this document
Date: 2023.10.18 15:05:23 -0400



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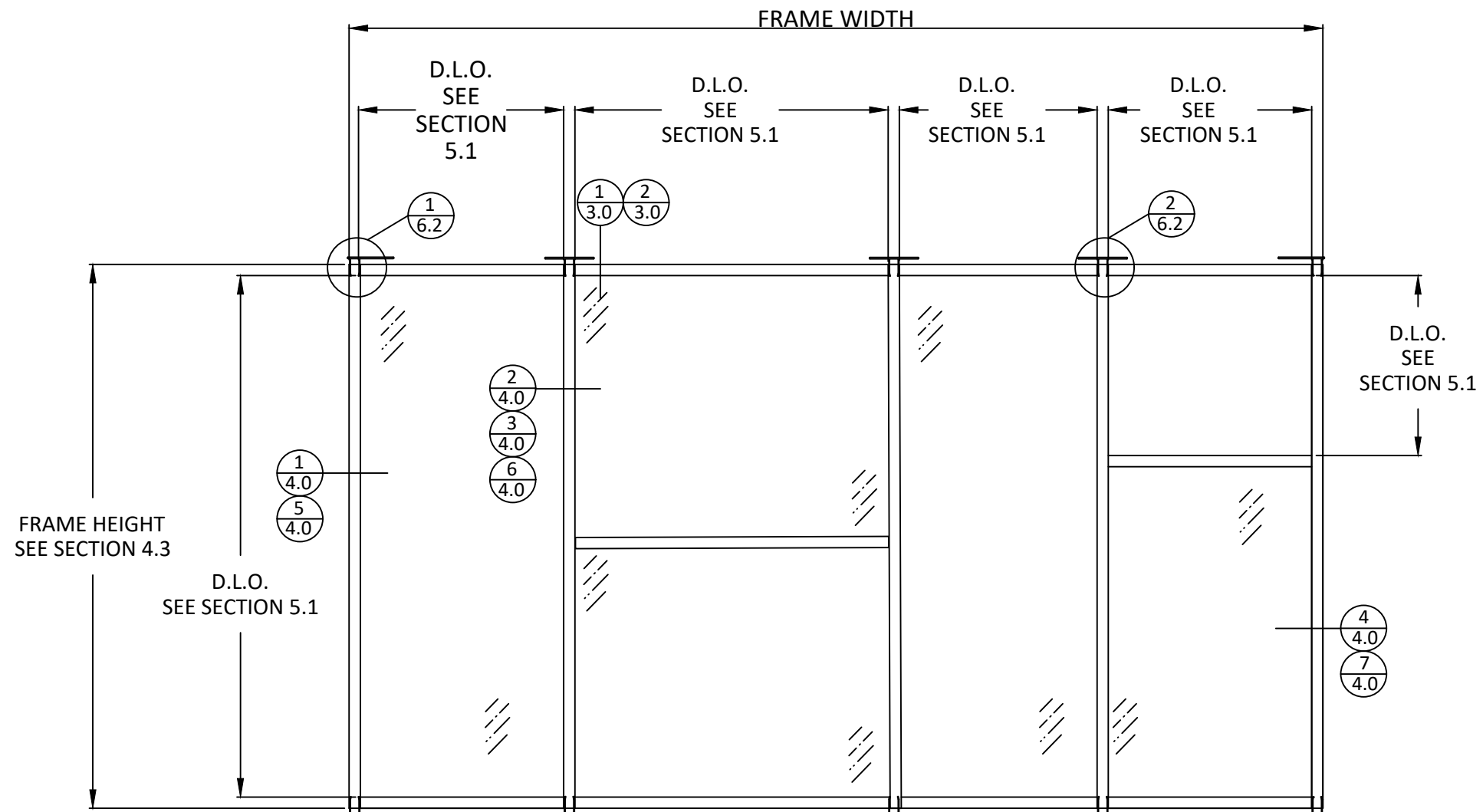
DATE: **08.31.23**

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

SCALE: **NTS**

DWG. #: **KAW027**

SECTION:
1.0
SHEET 1 OF 14



TYPICAL ELEVATION



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ELEVATION

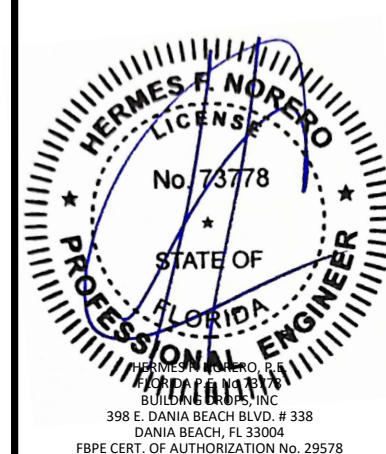
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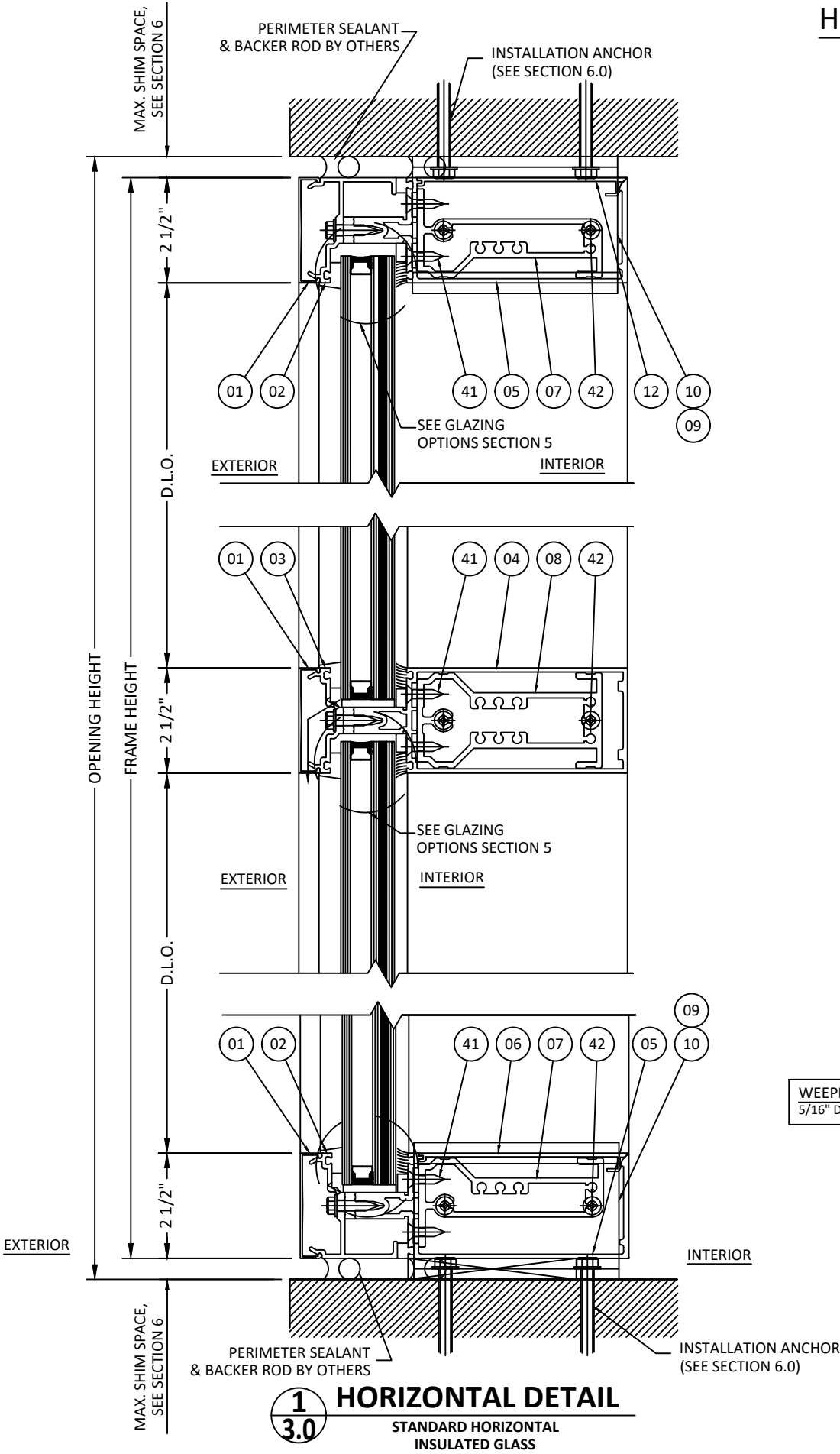
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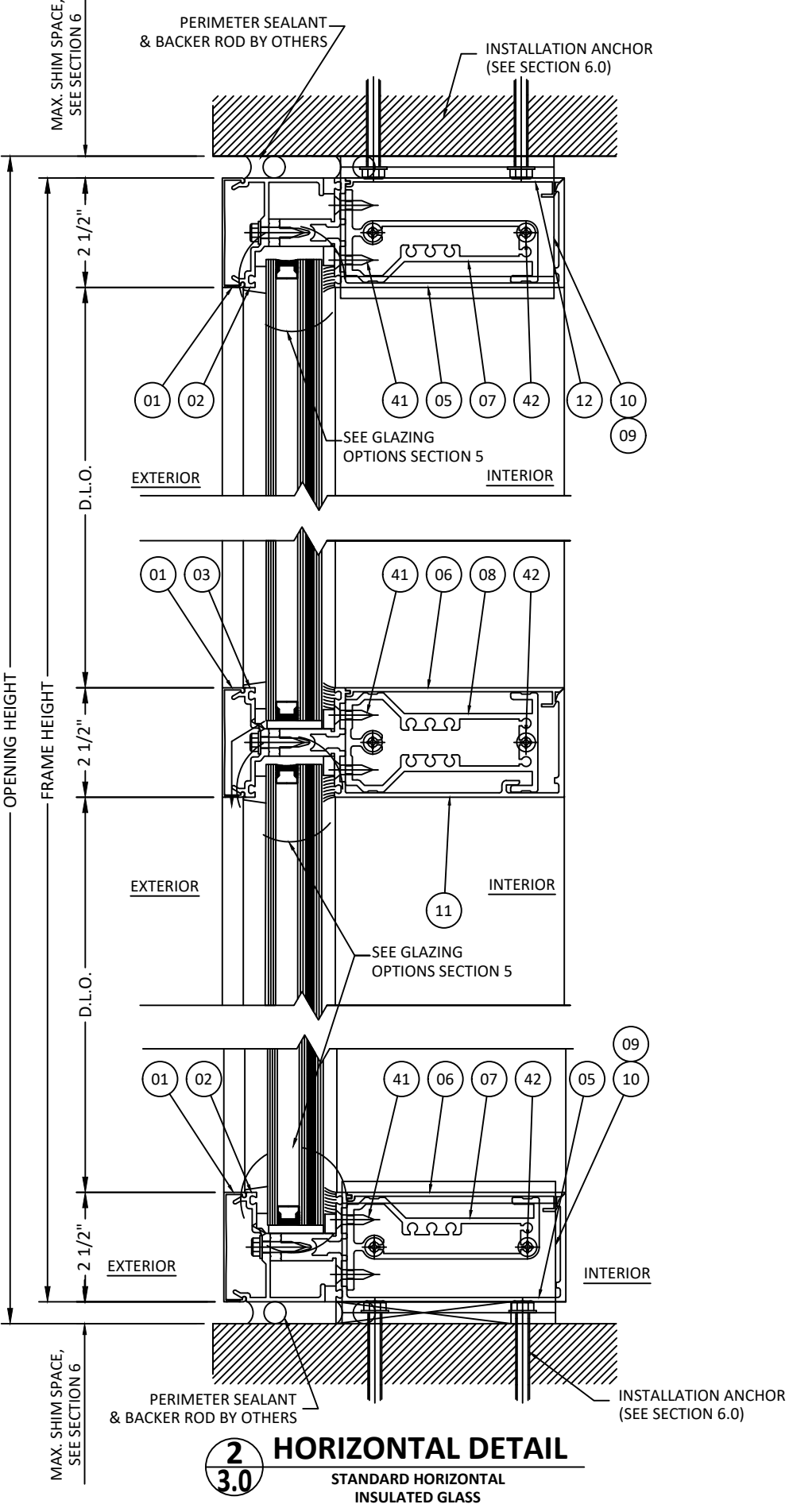
DWG. #: **KAW027**

SECTION:
2.0
SHEET 2 OF 14

HORIZONTAL DETAILS



WEEPHOLES:
5/16" DIA. WEEP HOLES AT 2" FROM EDGE OF D.L.O.



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TITLE:
1600 SYSTEM 1 CURTAIN WALL
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VERTICAL & HORIZONTAL SECTION
DETAILS

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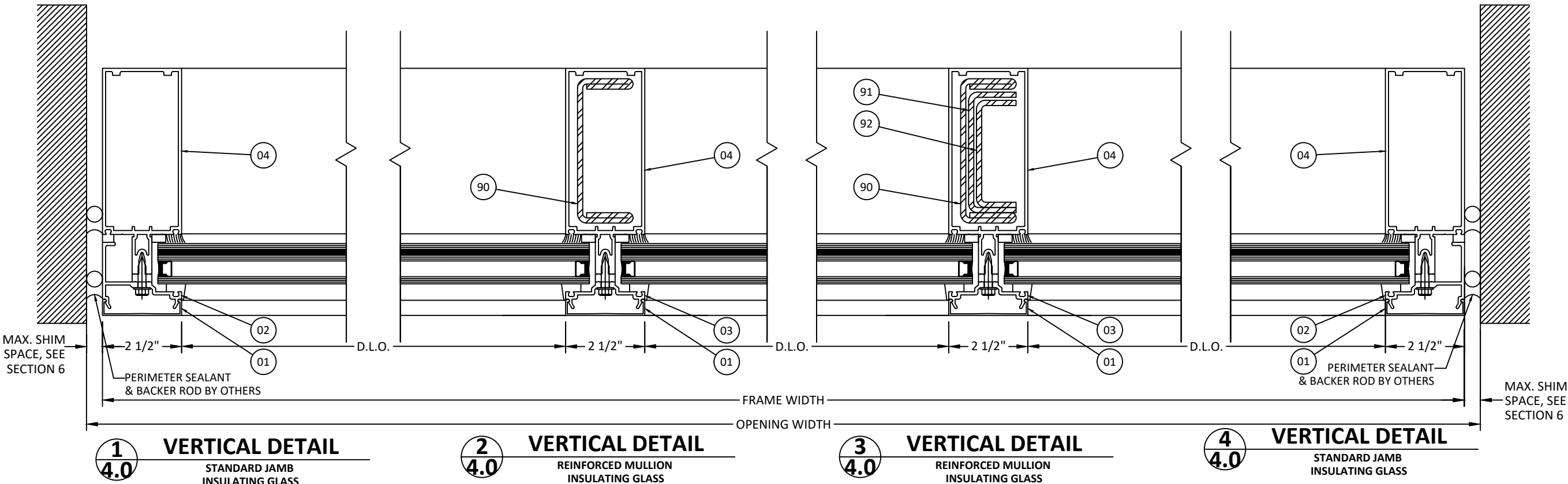
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CHK. BY: HFN

SCALE: NTS

DWG. #: KAW027

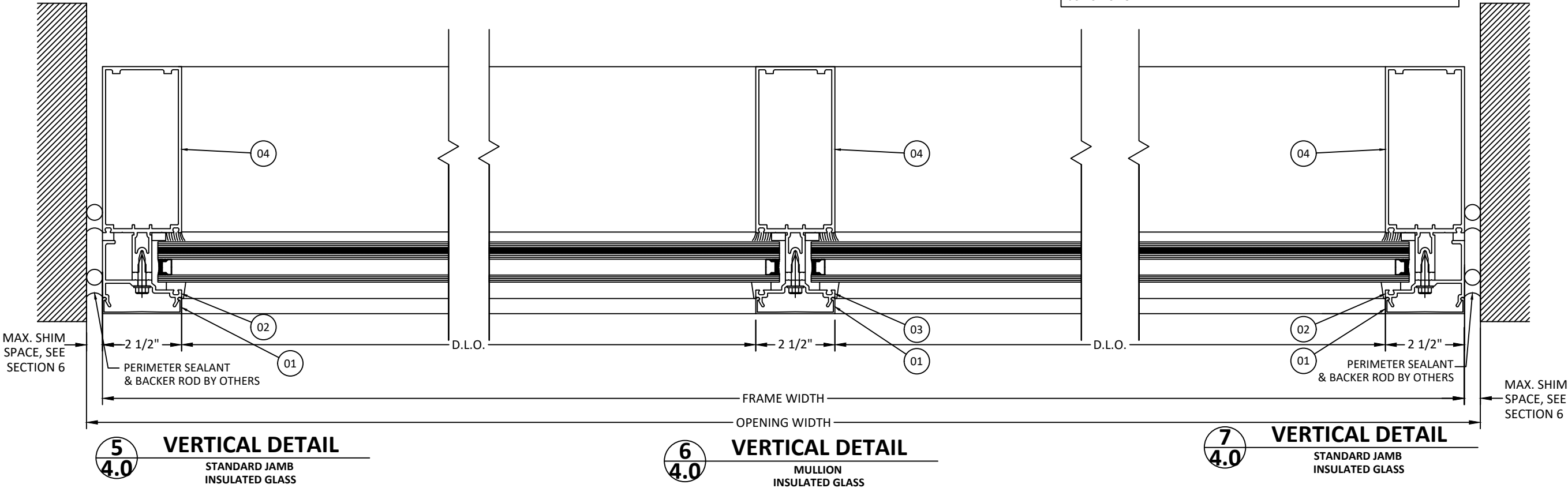
SECTION:
3.0

VERTICAL MULLION DETAILS



MAX. DESIGN LOAD- PSF	MIN. GAP	MAX. GAP
90	1/4"	1"

NOTE:
JOINT AT JAMBS IS NON-STRUCTURAL AND SHALL BE SUFFICIENT TO PROVIDE PROPER WEATHERPROOFING. SEALANT JOINT SIZE MAY VARY IN ACCORDANCE WITH SEALANT MANUFACTURER'S GUIDELINES AND RECOMMENDATION AND SHALL BE REVIEWED BY THE AUTHORITY HAVING JURISDICTION.



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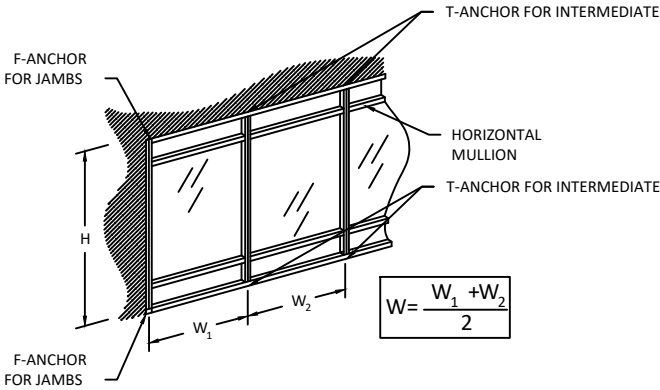


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SECTION:	3.1

STANDARD MULLION CAPACITY CHARTS

NOTES

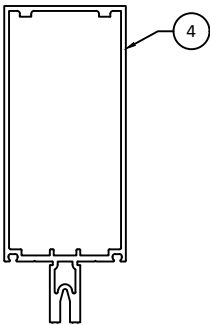
- 1. DESIGN PRESSURES ARE LIMITED BY THE MULLION FIBERSTRESS AND DEFLECTION CAPACITY PER FBC CURRENT SPECIFICATIONS FOR HVHZ
- 2. SELECT DESIGN PRESSURE AND PANEL WIDTH (W) AND OBTAIN THE MAXIMUM ALLOWABLE DESIGN PRESSURE FOR MULLION.
- 3. FOR HORIZONTAL MULLIONS CAPACITY, SEE HORIZONTAL MULLION CHART.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



SINGLE SPAN

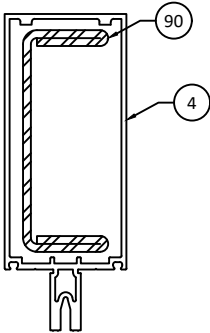
REINFORCING LENGTH = FRAME HEIGHT - 12 IN.

J1



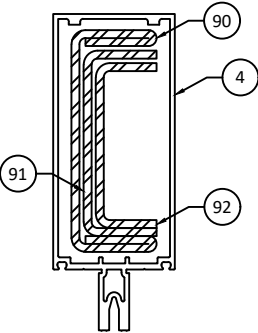
HEAVY MULLION
(162003)

J2



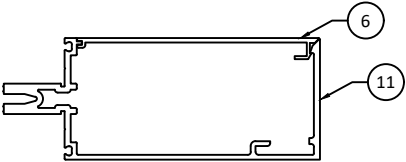
HEAVY MULLION
(162003)

J3



HEAVY MULLION
(162003)

H1



OPEN BACK HORIZONTAL
(162091)

VERTICAL MEMBER SINGLE SPAN NOTES:

- 1. DETAILS HAVE BEEN SHOWN FOR ILLUSTRATIVE PURPOSES. FOR DETAILS OF FULL ASSEMBLY PLEASE REFER TO APPLICABLE DETAILS ON SECTION 3.
- 2. FOR SITE CONDITIONS WHICH EXCEED LIMITATIONS SHOWN, FURTHER ENGINEERING MAY BE REQUIRED ON A CASE BY CASE BASIS.
- 3. FOR T OR F CLIP ANCHORS, REFER TO SECTION 6 FOR ANCHOR SELECTION, SUBSTRATE REQUIREMENTS, AND FURTHER LIMITATIONS OF USE.



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VERTICAL & HORIZONTAL MULLION
DETAILS

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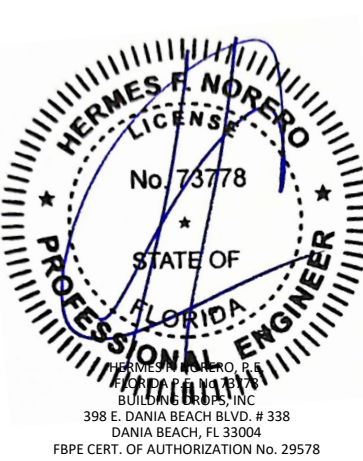
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SECTION:

4.0

STANDARD MULLION CAPACITY CHARTS

HORIZONTAL MULLION DESIGN LOAD CAPACITY TABLE - PSF		
NOMINAL DIMS.		H1
WIDTH - W (IN.)	SPAN - L (IN.)	
130.00	28.50	90.0
132.00		70.0
110.00	33.50	90.0
112.00		70.0
98.00	37.50	90.0
100.00		70.0
88.00	41.50	90.0
90.00		70.0
80.00	45.50	90.0
83.25		70.0
64.00	49.50	90.0
68.00	53.50	90.0
64.75	57.50	90.0

* NOTE:
1. GLASS ABOVE THE HORIZONTAL MULLION IS LIMITED BY THE AREA. THE 90 PSF RATING IS LIMITED TO 36.935 SQ FT ABOVE THE HORIZONTAL MULLION. THE 70 PSF RATING IS LIMITED TO 13.982 SQ FT ABOVE THE HORIZONTAL MULLION.

VERTICAL MULLION DESIGN LOAD CAPACITY TABLE - PSF				
NOMINAL DIMS.		J1	J2	J3
WIDTH - W (IN.)	FRAME HEIGHT - H (IN.)			
64.00	84.00	90.0	90.0	70.0
68.00		90.0	90.0	70.0
72.00		-	90.0	70.0
76.00		-	90.0	70.0
80.00		-	90.0	70.0
84.00		-	90.0	70.0
88.00		-	90.0	70.0
92.00		-	90.0	70.0
96.00		-	-	70.0
52.00	96.00	90.0	90.0	70.0
56.00		90.0	90.0	70.0
60.00		90.0	90.0	70.0
64.00		-	90.0	70.0
68.00		-	90.0	70.0
72.00		-	90.0	70.0
76.00		-	90.0	70.0
80.00		-	90.0	70.0
84.00		-	-	70.0
40.00	108.00	-	90.0	70.0
44.00		-	90.0	70.0
48.00		-	90.0	70.0
52.00		-	90.0	70.0
56.00		-	90.0	70.0
60.00		-	90.0	70.0
64.00		-	90.0	70.0
68.00		-	90.0	70.0
72.00		-	90.0	70.0
36.00	120.00	-	90.0	70.0
40.00		-	90.0	70.0
44.00		-	90.0	70.0
48.00		-	90.0	70.0
52.00		-	90.0	70.0
56.00		-	90.0	70.0
60.00		-	90.0	70.0
64.00		-	90.0	70.0

VERTICAL MULLION DESIGN LOAD CAPACITY TABLE - PSF				
NOMINAL DIMS.		J1	J2	J3
WIDTH - W (IN.)	FRAME HEIGHT - H (IN.)			
36.00	132.00	-	90.0	70.0
40.00		-	90.0	70.0
44.00		-	90.0	70.0
48.00		-	90.0	70.0
52.00		-	90.0	70.0
56.00		-	90.0	70.0
60.00		-	90.0	70.0
36.00	144.00	-	-	70.0
40.00		-	-	70.0
44.00		-	-	70.0
48.00		-	-	70.0
52.00		-	-	70.0
56.00	156.00	-	-	70.0
36.00		-	-	70.0
40.00		-	-	70.0
44.00		-	-	70.0
48.00		-	-	70.0
52.00	169.00	-	-	70.0
32.00		-	-	70.0
36.00		-	-	70.0
40.00		-	-	70.0
44.00		-	-	70.0
48.00		-	-	70.0



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VERTICAL & HORIZONTAL MULLION
DETAILS

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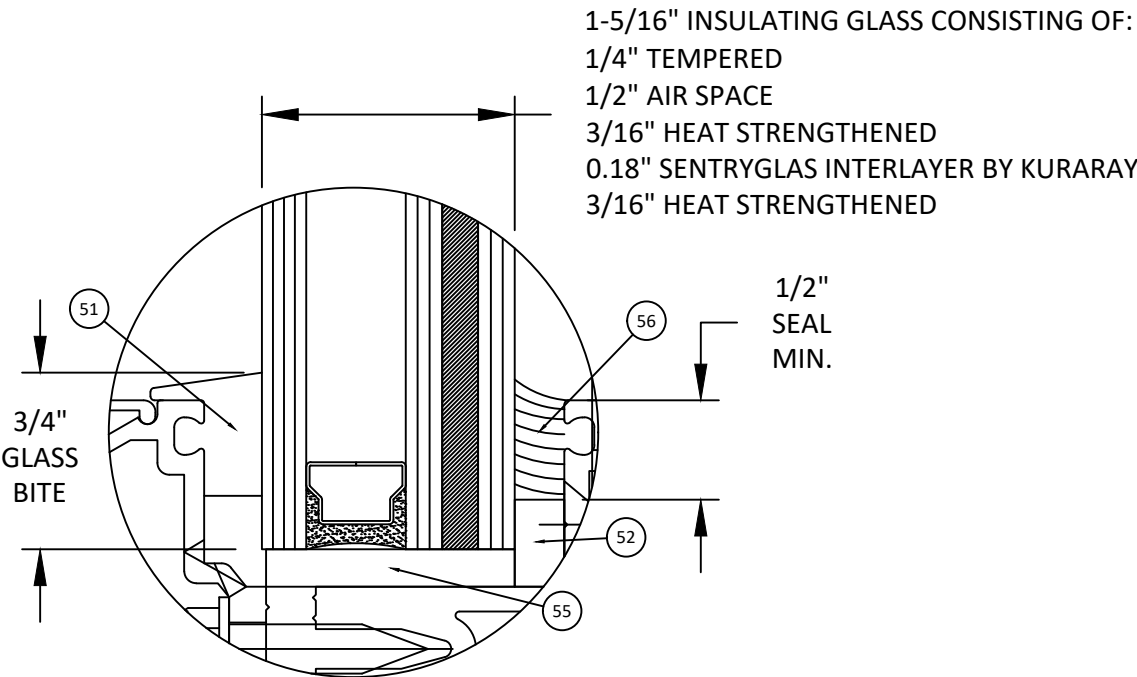
SECTION:
4.1

SHEET 6 OF 14

INSULATING IMPACT GLASS OPTIONS

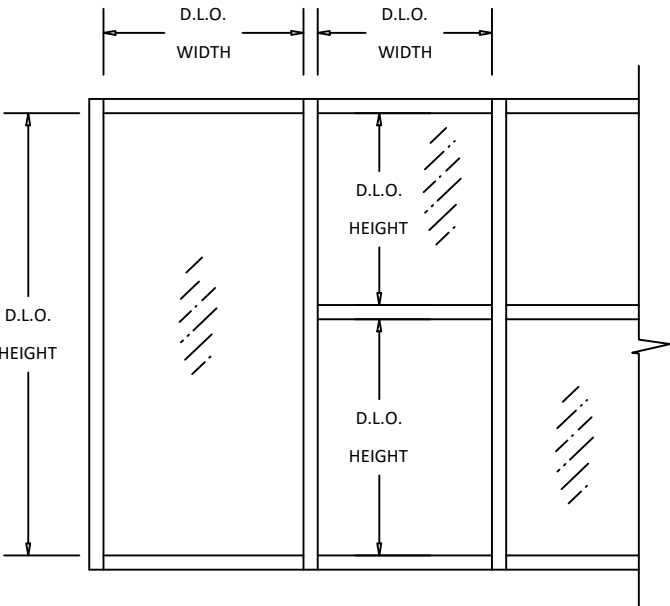
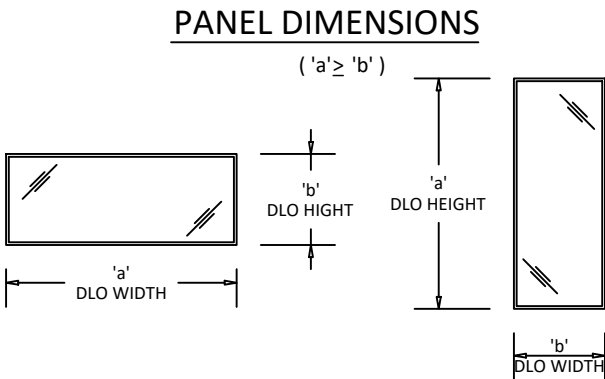
NOTES:

- 1. CHART VALUES PROVIDE MAXIMUM DESIGN PRESSURES ACCORDING TO ASTM E1300 FOR GIVEN GLASS DIMENSIONS 'a' AND 'b' (a > 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



GLAZING DETAIL

- * 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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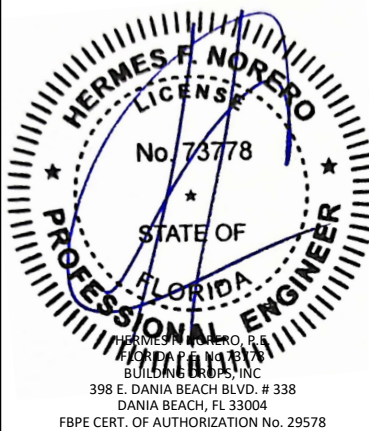
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SECTION: **5.0**

SHEET 7 OF 14

GLASS LOAD CAPACITY

GLASS LOAD CAPACITY (PSF)		
D.L.O. DIMENSIONS		GLASS TYPE G1
D.L.O. WIDTH (IN.)	D.L.O. HEIGHT (IN.)	
51.50	74.00	90.0
57.50		90.0
59.50		87.0
61.50		84.1
63.50		81.5
65.50		79.0
67.50		76.7
69.50		74.5
71.50		72.4
33.50		90.0
39.50	80.00	90.0
45.50		90.0
51.50		90.0
57.50		90.0
59.50		87.0
61.50		84.1
63.50		81.5
65.50		79.0
33.50		90.0
39.50		90.0
45.50	86.00	90.0
51.50		90.0
57.50		90.0
58.50		88.5
59.50		87.0
60.50		85.5
61.50		84.1
15.50		90.0
21.50		90.0
27.50		90.0
33.50	92.50	90.0
39.50		90.0
45.50		90.0
51.50		90.0
57.50		90.0

GLASS LOAD CAPACITY (PSF)		
D.L.O. DIMENSIONS		GLASS TYPE G1
D.L.O. WIDTH (IN.)	D.L.O. HEIGHT (IN.)	
33.50	98.00	90.0
39.50		90.0
45.50		90.0
47.50		90.0
49.50		90.0
51.50		90.0
53.50		90.0
33.50	104.00	90.0
39.50		90.0
45.50		90.0
46.50		90.0
48.50		90.0
50.50		90.0
27.50	110.00	90.0
33.50		90.0
39.50		90.0
45.50		90.0
47.50		90.0
21.50	116.25	90.0
27.50		90.0
33.50		90.0
39.50		90.0
45.50		90.0



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GLAZING DETAILS

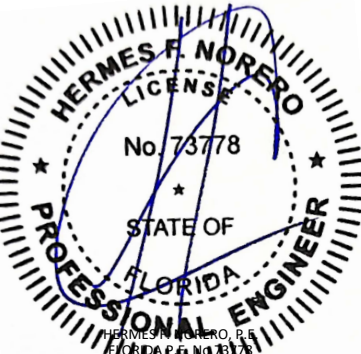
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WEB: www.buildingdrops.com

REMARKS	BY	DATE

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

FL #:
FL32409

DATE: **08.31.23**

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

SCALE: **NTS**

DWG. #: **KAW027**

SECTION:
5.1

SHEET 8 OF 14

F & T ANCHOR TYPES

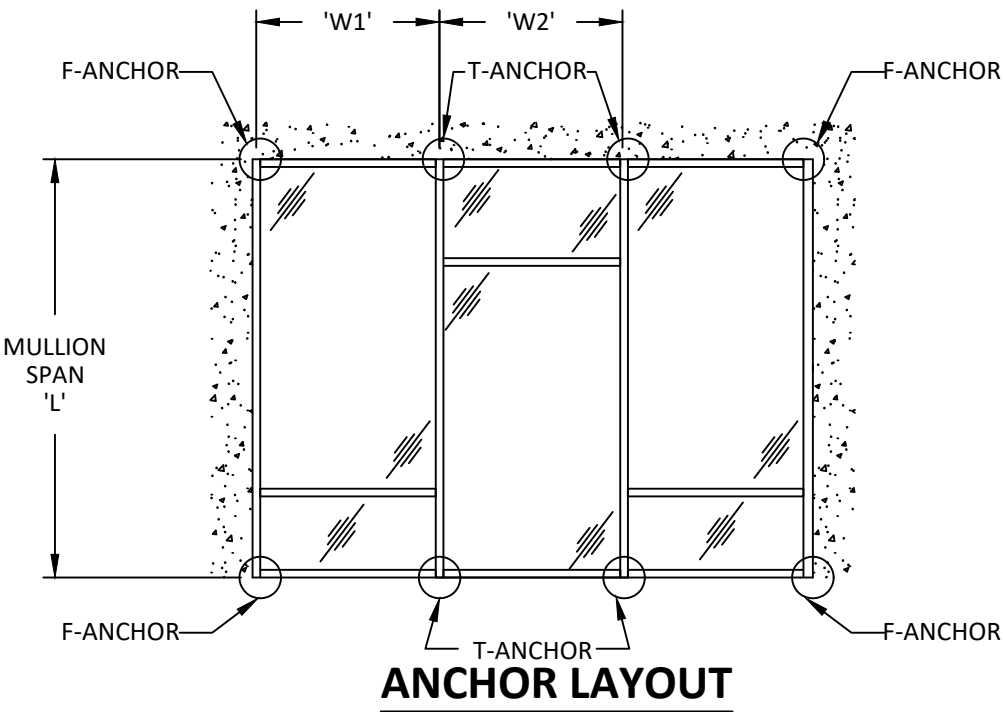
TYPE	DIAMETER	ANCHOR TYPE	SUBSTRATE	MINIMUM EDGE DISTANCE	MINIMUM EMBEDMENT
A	3/8"	SS LAG SCREW	WOOD (MIN SG. = 0.55)	1"	3"
B	5/16"	ULTRACON	MIN. 3000 PSI CONCRETE 'CRACKED OR UNCRAKED'	3"	2"
C	1/4"	GR. 5 SMS OR SELF-DRILLING SCREW	MIN. 16 GA. 36 KSI Fy METAL STUD, MIN. 1/8" THICK A36 STEEL OR ALUM. 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	$W = \frac{W1}{2}$
MULLION SPACING OR BAY WIDTH, 'W', FOR F-ANCHORS AT VERTICAL MULL WITH DOORS	$*W = \frac{W1 + W2}{2}$

*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.



KAWNEER COMPANY

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

TITLE:
1600 SYSTEM 1 CURTAIN WALL
(HVHZ) (MISSILE LEVEL E)

F & T ANCHOR DETAILS

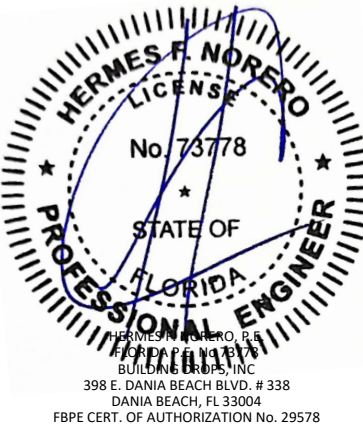
PREPARED BY: BUILDING DROPS, INC.

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DWG. BY: DI CHK. BY: HFN

SCALE: NTS

DWG. #: KAW027

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 'A4' WITH 1/2 IN SHIM SPACE	ANCHOR TYPE 'A4' 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 'C4' WITH 1/2 IN SHIM SPACE	ANCHOR TYPE 'C4' WITH 3/4 IN SHIM SPACE
64	84	90.0	37.5	43.4	36.0	49.0	34.6
68		90.0	35.3	40.8	33.9	46.1	32.6
72		85.1	33.3	38.6	32.0	43.5	30.8
76		80.6	31.5	36.5	30.3	41.2	29.2
80		76.6	30.0	34.7	28.8	39.2	27.7
84		72.9	28.5	33.1	27.4	37.3	26.4
88		69.6	27.2	31.6	26.2	35.6	25.2
92		66.6	26.1	30.2	25.1	34.1	24.1
96	96	63.8	25.0	28.9	24.0	32.6	23.1
52		90.0	40.3	46.7	38.8	52.7	37.3
56		90.0	37.5	43.4	36.0	49.0	34.6
60		89.3	35.0	40.5	33.6	45.7	32.3
64		83.8	32.8	38.0	31.5	42.8	30.3
68		78.8	30.9	35.7	29.7	40.3	28.5
72		74.4	29.1	33.8	28.0	38.1	26.9
76		70.5	27.6	32.0	26.5	36.1	25.5
80	108	67.0	26.2	30.4	25.2	34.3	24.2
84		63.8	25.0	28.9	24.0	32.6	23.1
40		90.0	46.6	54.0	44.8	60.9	43.1
44		90.0	42.4	49.1	40.8	55.4	39.2
48		90.0	38.9	45.0	37.4	50.8	35.9
52		90.0	35.9	41.5	34.5	46.9	33.2
56		85.1	33.3	38.6	32.0	43.5	30.8
60		79.4	31.1	36.0	29.9	40.6	28.7
64	120	74.4	29.1	33.8	28.0	38.1	26.9
68		70.1	27.4	31.8	26.4	35.8	25.4
72		66.2	25.9	30.0	24.9	33.9	23.9
36		90.0	46.6	54.0	44.8	60.9	43.1
40		90.0	42.0	48.6	40.3	54.8	38.8
44		90.0	38.1	44.2	36.7	49.9	35.3
48		89.3	35.0	40.5	33.6	45.7	32.3
52		82.5	32.3	37.4	31.0	42.2	29.8
56		76.6	30.0	34.7	28.8	39.2	27.7
60		71.5	28.0	32.4	26.9	36.6	25.9
64		67.0	26.2	30.4	25.2	34.3	24.2

MAX. ANCHOR CAPACITY - DESIGN PRESSURES (+/- PSF)							
"MAX. AVG. WIDTH 'W' (IN)"	"MAX. SPAN HEIGHT 'H' (IN)"	"ANCHOR TYPE 'A4' WITH 1/2 IN SHIM SPACE"	"ANCHOR TYPE 'A4' 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 'C4' WITH 1/2 IN SHIM SPACE"	"ANCHOR TYPE 'C4' WITH 3/4 IN SHIM SPACE"
36	132	90.0	42.4	49.1	40.8	55.4	39.2
40		90.0	38.1	44.2	36.7	49.9	35.3
44		88.6	34.7	40.2	33.3	45.3	32.1
48		81.2	31.8	36.8	30.6	41.5	29.4
52		75.0	29.3	34.0	28.2	38.4	27.1
56		69.6	27.2	31.6	26.2	35.6	25.2
60		65.0	25.4	29.5	24.5	33.2	23.5
36	144	90.0	38.9	45.0	37.4	50.8	35.9
40		89.3	35.0	40.5	33.6	45.7	32.3
44		81.2	31.8	36.8	30.6	41.5	29.4
48		74.4	29.1	33.8	28.0	38.1	26.9
52		68.7	26.9	31.2	25.9	35.2	24.9
56		63.8	25.0	28.9	24.0	32.6	23.1
36	156	90.0	35.9	41.5	34.5	46.9	33.2
40		82.5	32.3	37.4	31.0	42.2	29.8
44		75.0	29.3	34.0	28.2	38.4	27.1
48		68.7	26.9	31.2	25.9	35.2	24.9
52		63.4	24.8	28.8	23.9	32.5	23.0
32	169	90.0	37.2	43.1	35.8	48.7	34.4
36		84.6	33.1	38.3	31.8	43.3	30.6
40		76.1	29.8	34.5	28.6	38.9	27.5
44		69.2	27.1	31.4	26.0	35.4	25.0
48		63.4	24.8	28.8	23.9	32.5	23.0

NOTE:

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



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AN ARCONIC COMPANY

KAWNEER COMPANY

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

TITLE:
1600 SYSTEM 1 CURTAIN WALL
(HVHZ) (MISSILE LEVEL E)

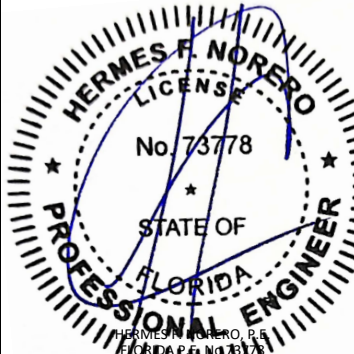
F & T ANCHOR DETAILS

PREPARED BY:
BUILDING DROPS, INC.
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DI

CHK. BY:

HFN

SCALE:

NTS

DWG. #:

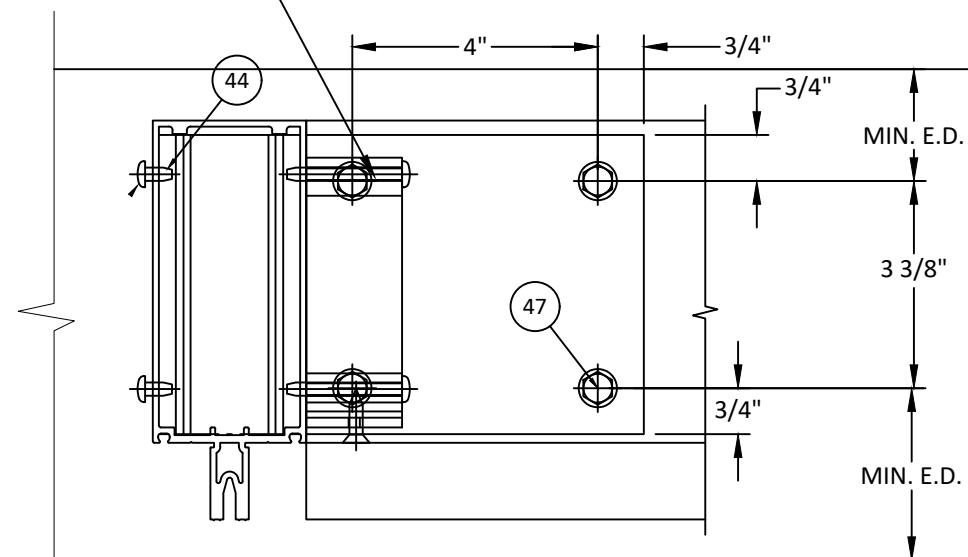
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SECTION:

6.1

SHEET 10 OF 14

INSTALLATION ANCHOR
SEE SECTION 6.0

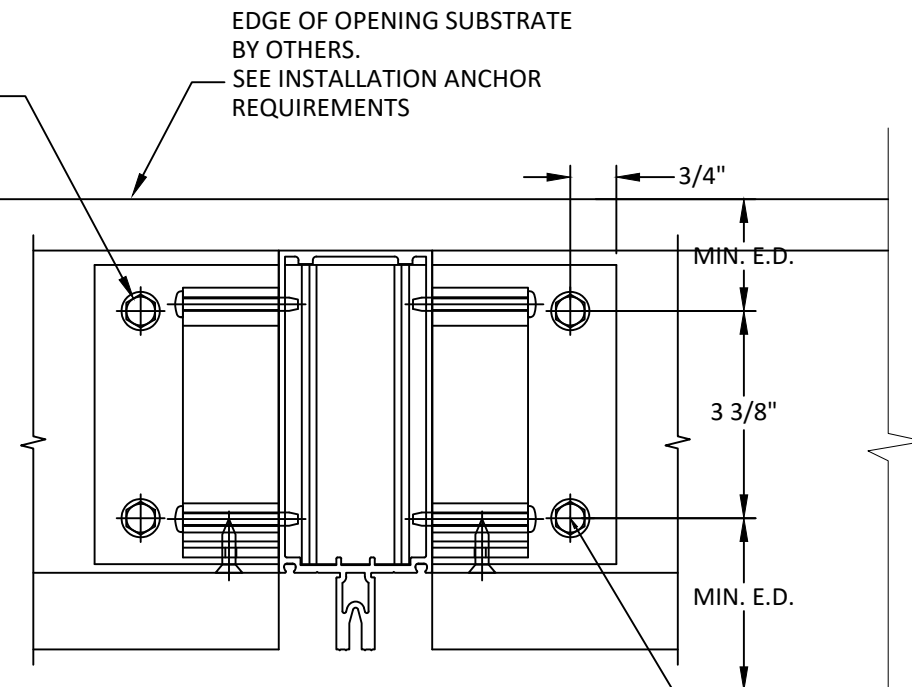


1
6.2

ANCHOR DETAIL

F-ANCHOR

INSTALLATION ANCHOR
SEE SECTION 6.0

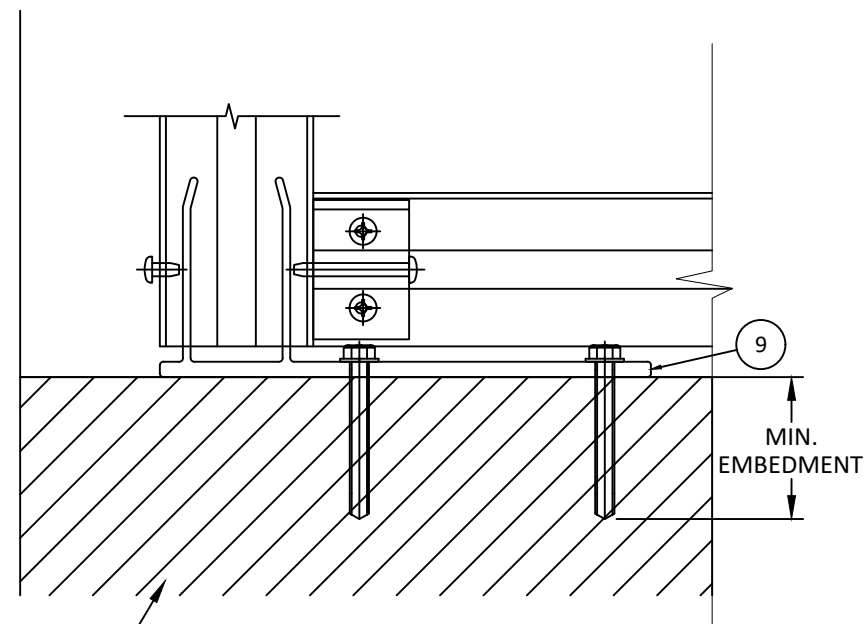


2
6.2

ANCHOR DETAIL

T-ANCHOR

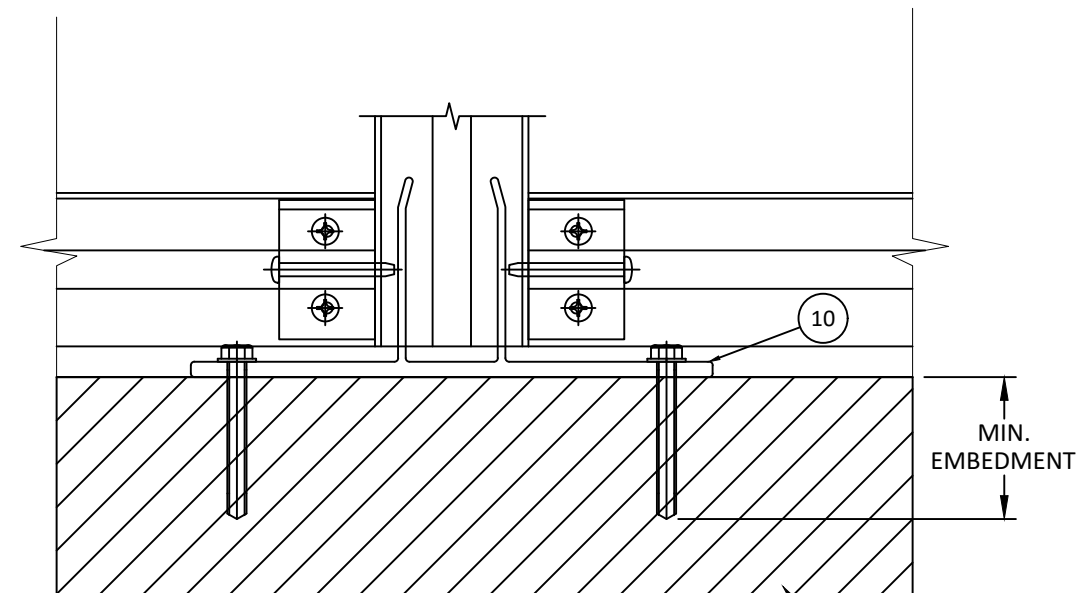
CONCRETE OR STEEL SUBSTRATE
BY OTHERS.
SEE INSTALLATION ANCHOR
REQUIREMENTS



EXTERIOR VIEW

F-ANCHOR (TYPICAL)

CONCRETE OR STEEL SUBSTRATE
BY OTHERS.
SEE INSTALLATION ANCHOR
REQUIREMENTS



EXTERIOR VIEW

T-ANCHOR (TYPICAL)



KAWNEER COMPANY

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

TITLE:
1600 SYSTEM 1 CURTAIN WALL
(HVHZ) (MISSILE LEVEL E)

F & T ANCHOR DETAILS

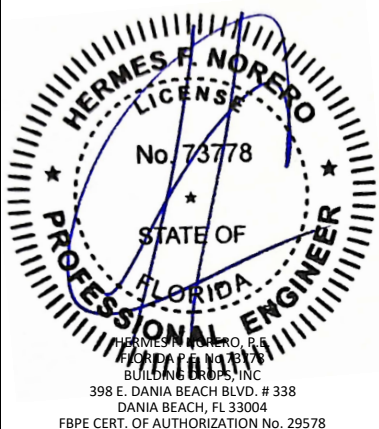
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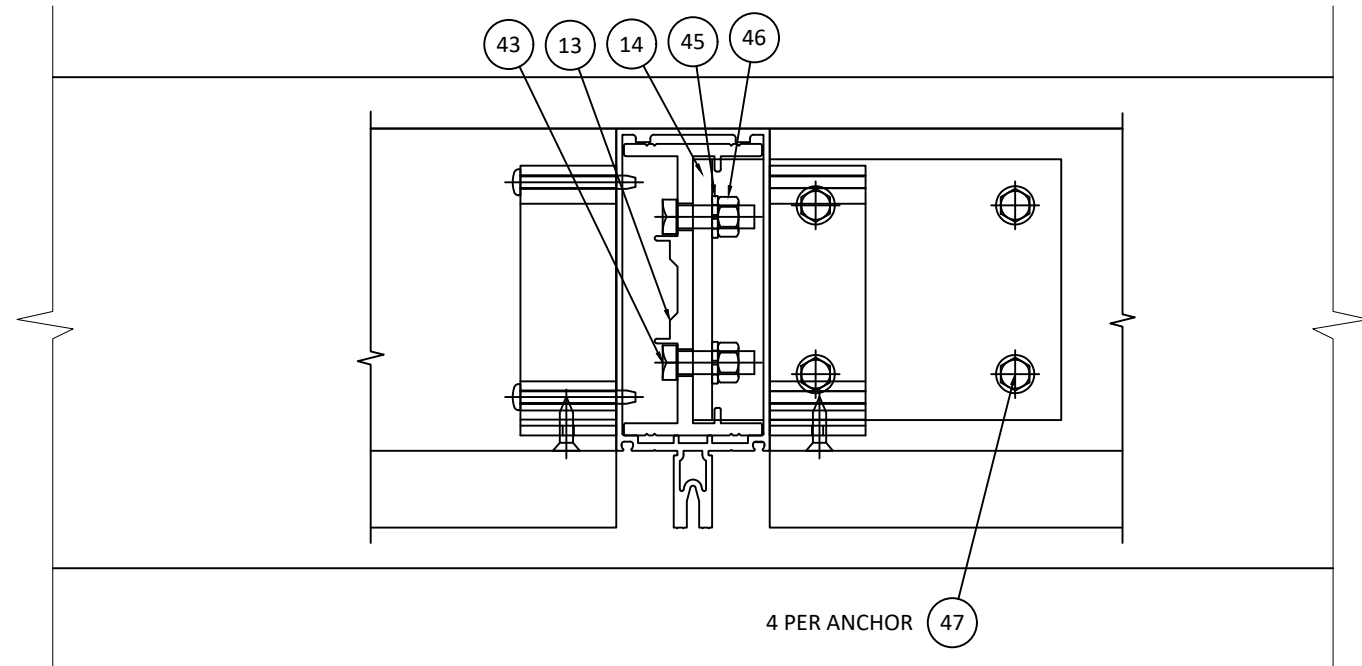
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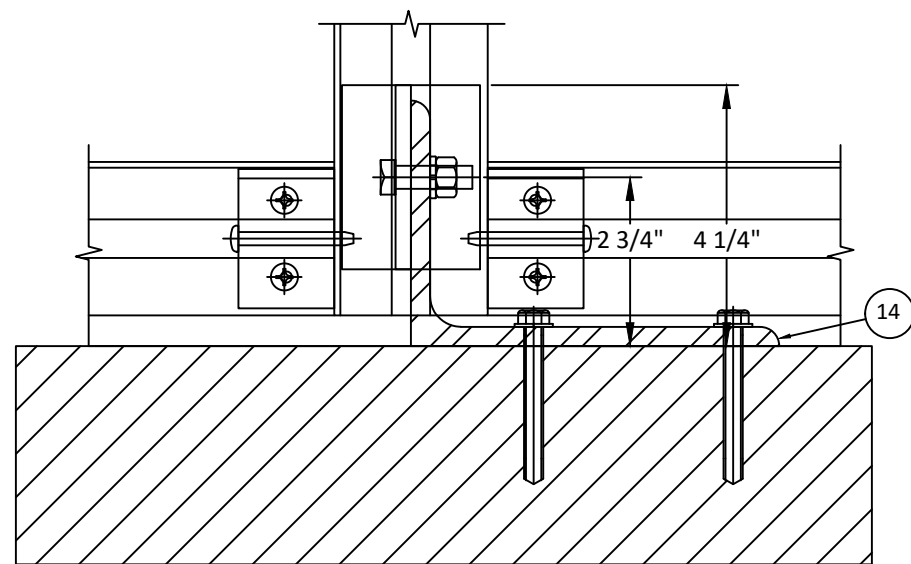
SECTION:

6.2

SHEET 11 OF 14



1
6.3 **ANCHOR DETAIL**
 PLUG ANCHOR



EXTERIOR VIEW
PLUG ANCHOR (TYPICAL)



KAWNEER COMPANY

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F & T ANCHOR DETAILS

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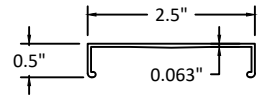
DWG. BY: **DI** CHK. BY: **HFN**

SCALE: **NTS**

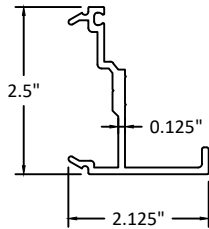
DWG. #: **KAW027**

SECTION:
6.3

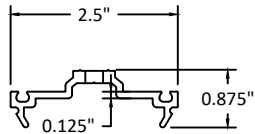
SHEET 12 OF 14



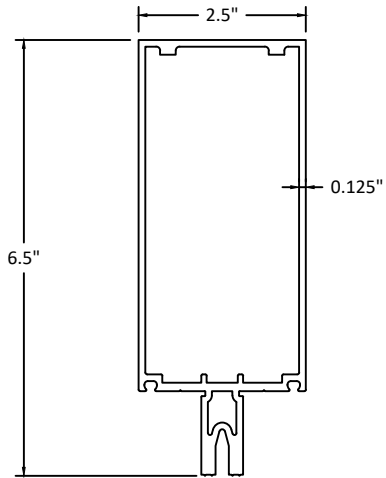
① FRAME HORIZONTAL



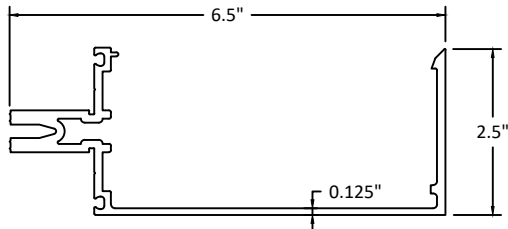
② PERIMETER PRESSURE PLATE



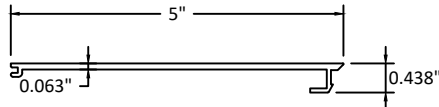
③ PRESSURE PLATE



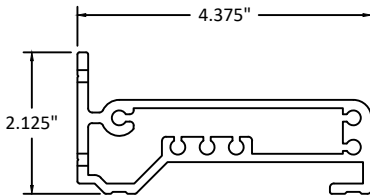
④ 7 1/2" MULLION



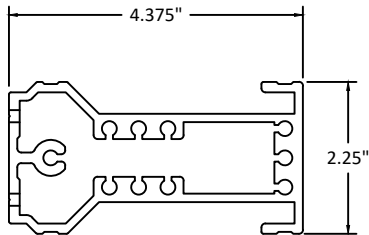
⑤ 7 1/2" OPEN BACK
⑪



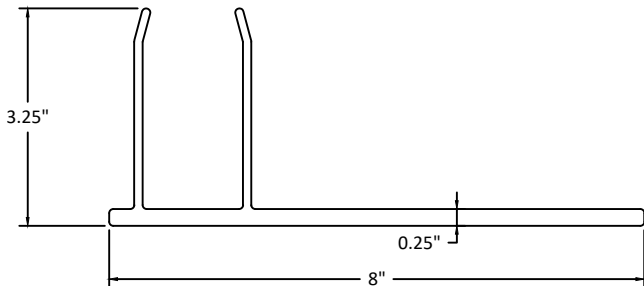
⑥ 7 1/2" OPEN BACK FILLER
⑫



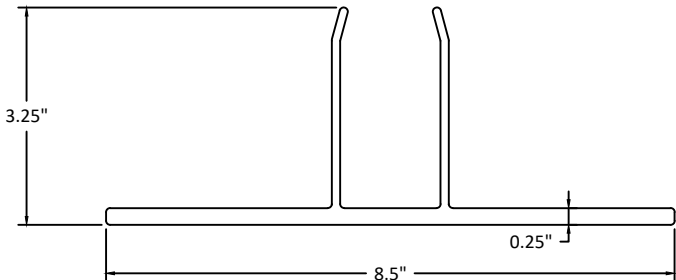
⑦ HEAD/SILL SHEAR BLOCK



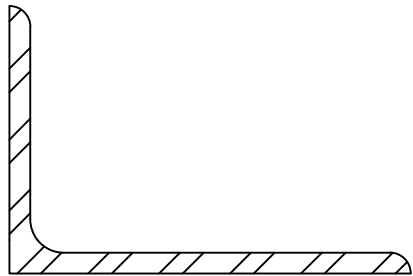
⑧ HORIZONTAL SHEAR BLOCK



⑨ F-ANCHOR



⑩ T-ANCHOR



⑭ PLUG ANCHOR STEEL ANGLE



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COMPONENTS & BILL OF MATERIALS

PREPARED BY:

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SECTION:

7.0

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	162003	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)
REINFORCING				
90	162301	HI-SPAN STEEL REINFORCING	1.750 x 4.560 x 0.164	GRADE 50 STEEL
91	162302	HI-SPAN STEEL REINFORCING	1.500 x 3.810 x 0.164	GRADE 50 STEEL
92	162303	HI-SPAN STEEL REINFORCING	1.250 x 3.388 x 0.164	GRADE 50 STEEL



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1600 SYSTEM 1 CURTAIN WALL
(HVHZ) (MISSILE LEVEL E)

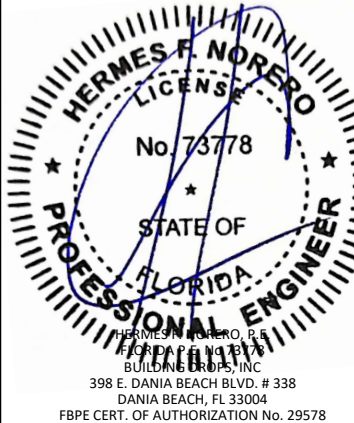
COMPONENTS & BILL OF MATERIALS

PREPARED BY:
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398 E. DANIA BEACH BLVD., STE. 338
DANIA BEACH, FL 33004
PH: (954) 399-8478
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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.
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DANIA BEACH, FL 33004
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:

FL32409

DATE: 08.31.23

DWG. BY: DI	CHK. BY: HFN
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SCALE: NTS

DWG. #: KAW027

SECTION:

7.1

SHEET 14 OF 14