

# KAWNEER COMPANY

## 1600 SYSTEM 2 CURTAIN WALL

### (NON-HVHZ)(NON-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. ADHESIVE ANCHORS MUST BE INSTALLED BY PERSONNEL CERTIFIED FOR THE SPECIFIED ANCHOR INSTALLATION.

INSTRUCTIONS:

USE CHARTS AS FOLLOWS.

- STEP 1

DETERMINE DESIGN WIND LOAD REQUIREMENT BASED ON WIND VELOCITY, BLDG. HEIGHT, WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
- STEP 2

SEE CHARTS ON SECTION 5 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
- STEP 3

CHECK MULLION CAPACITY FOR A GIVEN SPACING, HEIGHT, SINGLE SPAN, TWIN SPAN, MULTIPLE SPANS AND CORNERS ON SECTION 4.
- STEP 4

USING HEAD/SILL ANCHOR DETAILS, SELECT ANCHOR OPTION FROM TABLES ON SECTION 6 WITH DESIGN RATING MORE THAN DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
- STEP 5

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

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE, EXCLUDING REQUIREMENTS FOR HVHZ.
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY , 2X AND STEEL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND THE INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITION CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN , A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.
- THIS PRODUCT **DOES 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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1600 SYSTEM 2 CURTAIN WALL  
(NON-HVHZ)(NON-IMPACT)  
GENERAL AND INSTALLATION NOTES

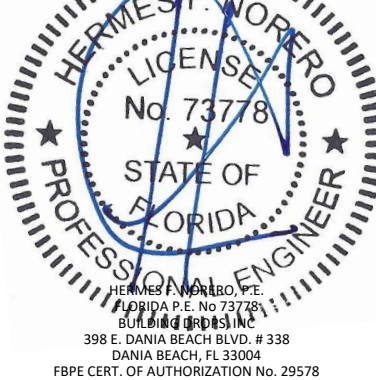
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Reason: I am approving this document  
Date: 2020.10.22 04:26:04 -02'00'



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**E.R.**

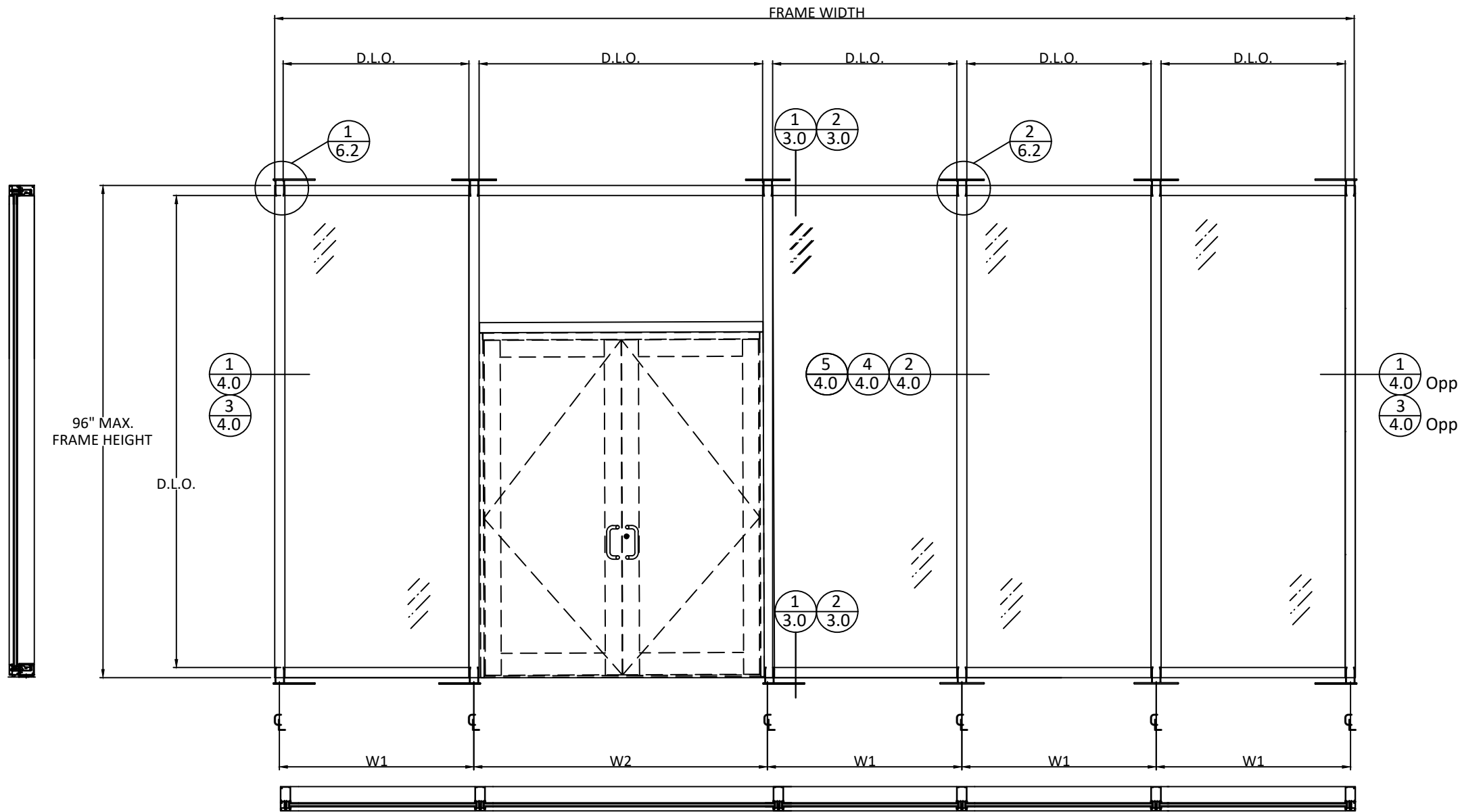
CHK. BY:  
**HFN**

SCALE:  
**NTS**

DWG. #:  
**KAW002**

SECTION:  
**1.0**

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TYPICAL ELEVATION

AVERAGE MULLION SPACING

INTERMEDIATE MULLION =  $\frac{W1}{2} + \frac{W2}{2}$

JAMB MULLION =  $\frac{W1}{2}$



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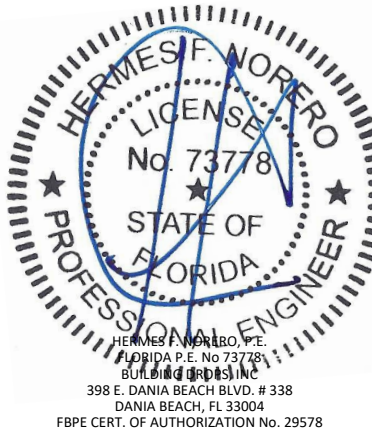
ELEVATION

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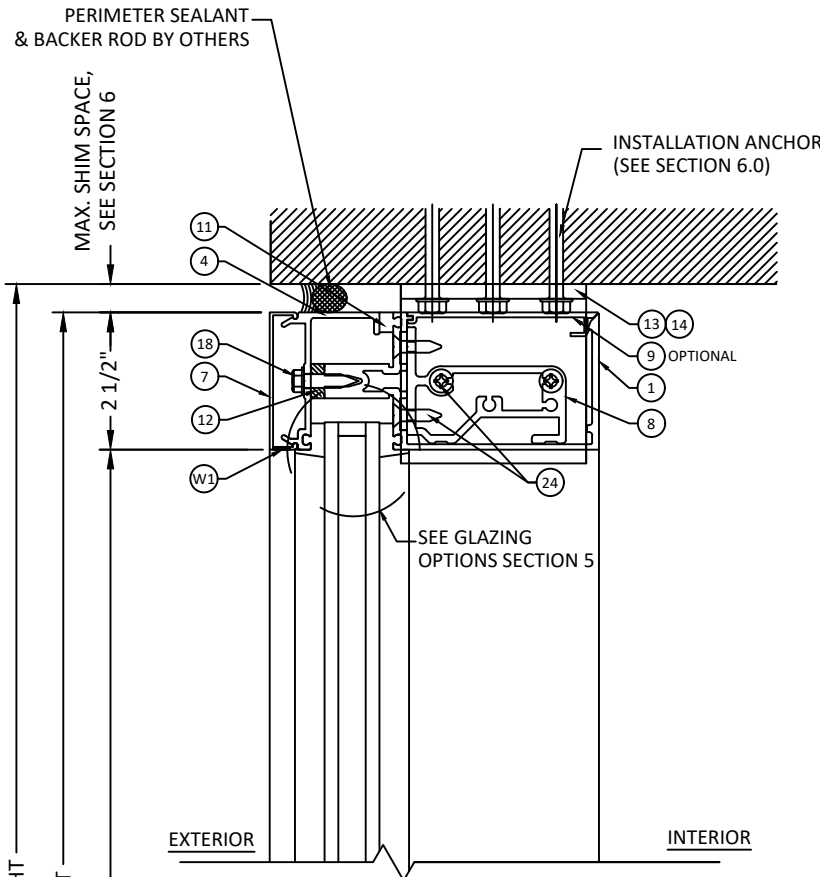
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SECTION:  
**2.0**

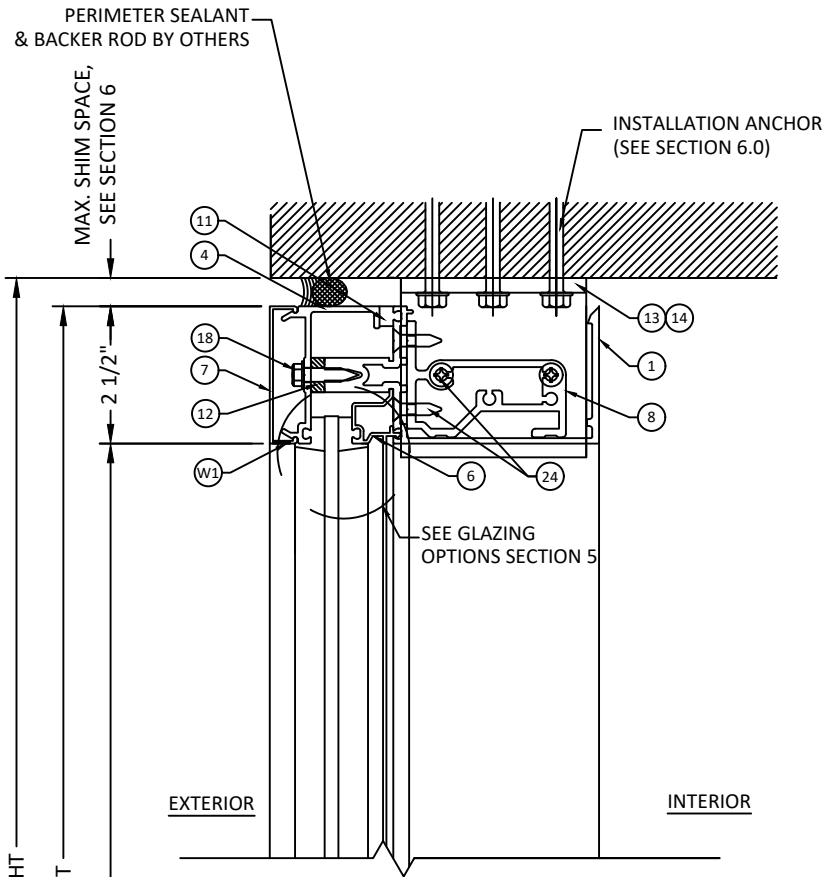
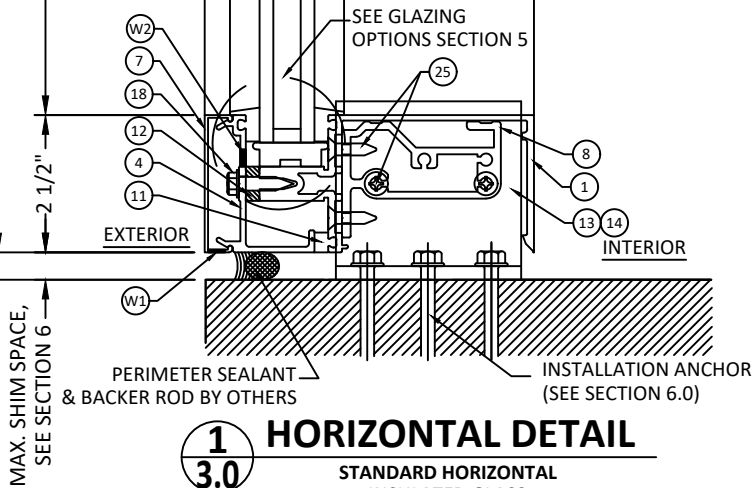
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HORIZONTAL DETAILS

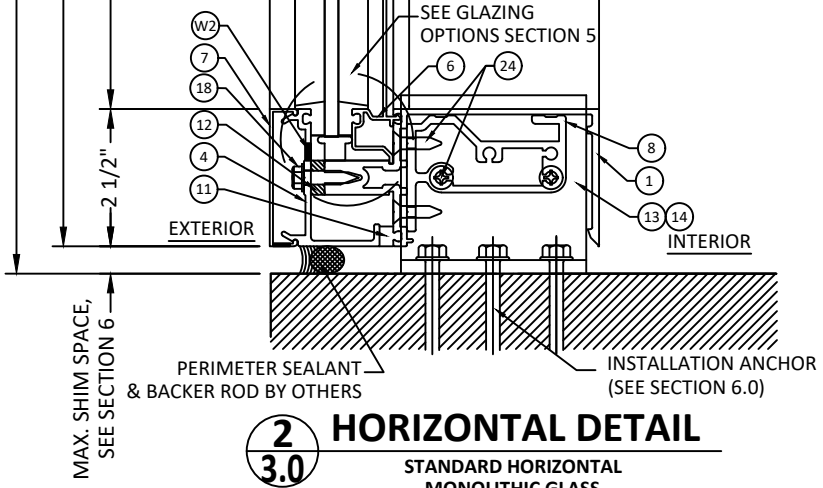


**1** HORIZONTAL DETAIL  
3.0 STANDARD HORIZONTAL INSULATED GLASS

WEEPHOLES:  
PRESSURE PLATES= 5/16" DIA. WEEP HOLES AT 20" O.C.  
COVERS= 5/16" DIA. WHEEP HOLES LOCATED AT 1/4 POINTS.



**2** HORIZONTAL DETAIL  
3.0 STANDARD HORIZONTAL MONOLITHIC GLASS



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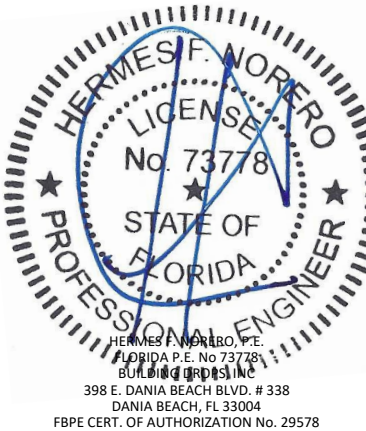
HORIZONTAL DETAILS

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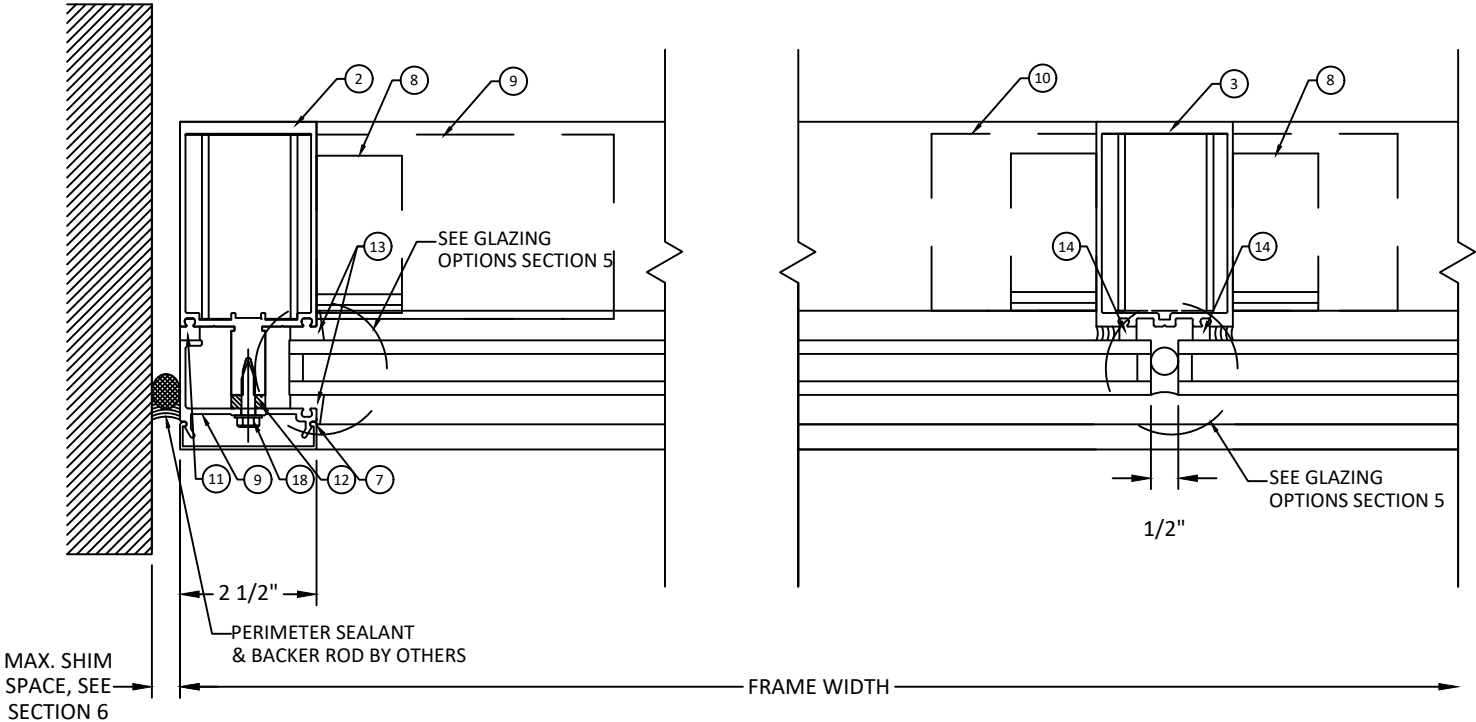
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SECTION:

3.0

VERTICAL MULLION DETAILS



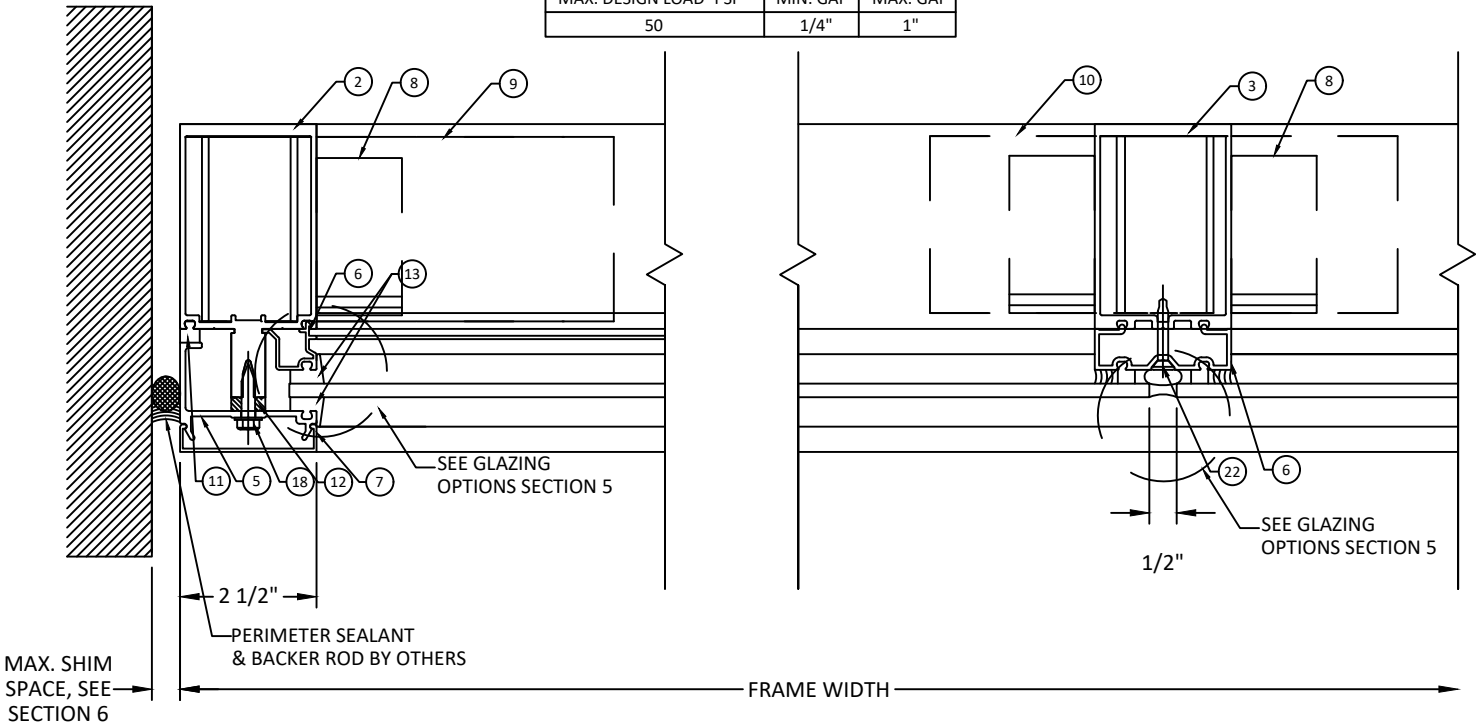
MAX. SHIM SPACE, SEE SECTION 6

**1**  
**4.0** VERTICAL DETAIL  
STANDARD JAMB  
INSULATING GLASS

**2**  
**4.0** VERTICAL DETAIL  
HEAVY MULLION  
INSULATING GLASS

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.

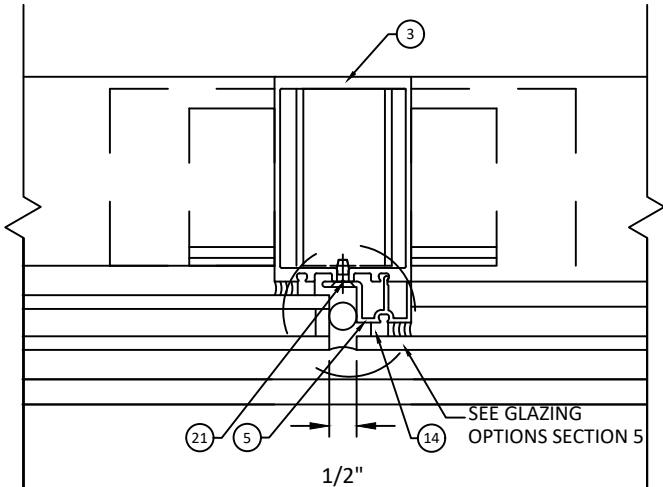
| MAX. DESIGN LOAD- PSF | MIN. GAP | MAX. GAP |
|-----------------------|----------|----------|
| 50                    | 1/4"     | 1"       |



MAX. SHIM SPACE, SEE SECTION 6

**3**  
**4.0** VERTICAL DETAIL  
STANDARD JAMB  
MONOLITHIC GLASS

**4**  
**4.0** VERTICAL DETAIL  
HEAVY MULLION  
MONOLITHIC GLASS



**5**  
**4.0** VERTICAL DETAIL  
HEAVY SSG MULLION  
INSULATING/MONOLITHIC GLASS

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.

| MAX. DESIGN LOAD- PSF | MIN. GAP | MAX. GAP |
|-----------------------|----------|----------|
| 50                    | 1/4"     | 1"       |



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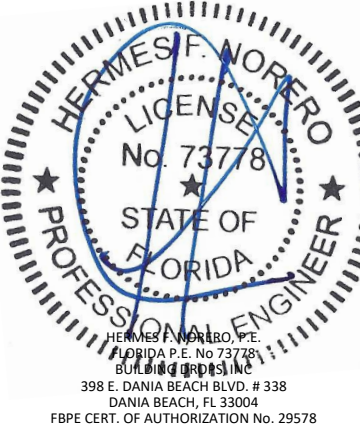
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VERTICAL MULLION DETAILS

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SECTION:  
**4.0**

# STANDARD MULLION CAPACITY CHARTS

## NOTES

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

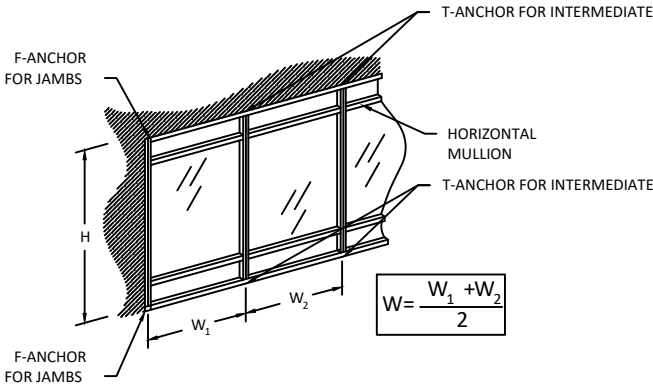
| STANDARD DUTY HORIZONTAL MULLIONS (+/- PSF) |                      |
|---------------------------------------------|----------------------|
| WIDTH, W (in) 'Span'                        | Ext. (+)<br>Int. (-) |
| 48                                          | 50                   |

### \* NOTE:

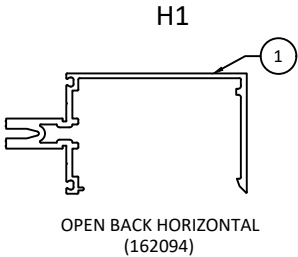
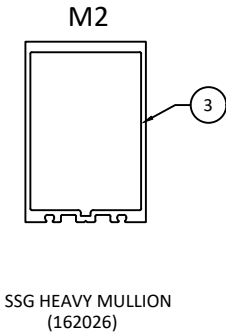
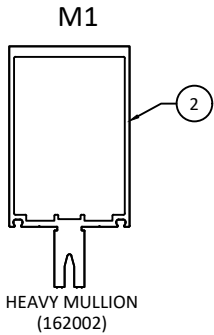
- GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300 (3 SEC. GUSTS) AND CHAPTER 17 OF THE CURRENT FBC FOR SIZES OTHER THAN TESTED.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN CHAPTER 24.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER CHAPTER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

### VERTICAL MEMBER SINGLE SPAN NOTES:

- DETAILS HAVE BEEN SHOWN FOR ILLUSTRATIVE PURPOSES. FOR DETAILS OF FULL ASSEMBLY PLEASE REFER TO APPLICABLE DETAILS ON SECTION 3 & 4.
- TABULATED DESIGN PRESSURE VALUES ARE BASED ON LIMITATIONS OF DEFLECTION, FIBERSTRESS, & END REACTION PER MULLION SPAN ('L') AND MULLION SPACING ('W').
- FOR SITE CONDITIONS WHICH EXCEED LIMITATIONS SHOWN, FURTHER ENGINEERING MAY BE REQUIRED ON A CASE BY CASE BASIS.
- FOR T & F CLIP ANCHORS, PLEASE REFER TO SECTION 6 FOR ANCHOR SELECTION, SUBSTRATE REQUIREMENTS, AND FURTHER LIMITATIONS OF USE.



SINGLE SPAN



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MULLION CAPACITY CHART

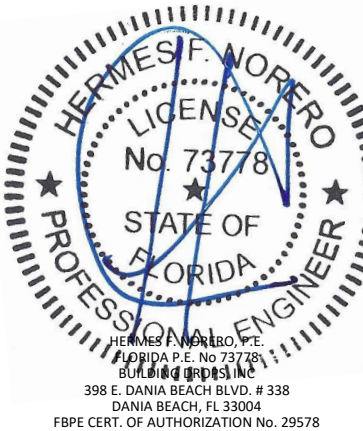
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CHK. BY:

E.R.

HFN

SCALE: NTS

DWG. #: KAW002

SECTION:

4.1

STANDARD MULLION CAPACITY CHARTS

| DESIGN PRESSURE TABLE:<br>HORIZONTAL CAPACITY |                           |                         | DESIGN PRESSURE TABLE:<br>VERTICAL MULLION CAPACITY - SINGLE SPAN |                         |                         |                         |
|-----------------------------------------------|---------------------------|-------------------------|-------------------------------------------------------------------|-------------------------|-------------------------|-------------------------|
| SPAN WIDTH<br>'W'<br>(IN)                     | BAY HEIGHT<br>'H'<br>(IN) | MULLION H1<br>(+/- PSF) | TRIBUTARY<br>WIDTH 'W'<br>(IN)                                    | SPAN HEIGHT<br>'H' (IN) | MULLION M1<br>(+/- PSF) | MULLION M2<br>(+/- PSF) |
| 26                                            | 74                        | 50.0                    | 26                                                                | 74                      | 50.0                    | 50.0                    |
|                                               | 79.5                      | 50.0                    | 31.5                                                              |                         | 50.0                    | 50.0                    |
|                                               | 85                        | 50.0                    | 37                                                                |                         | 50.0                    | 50.0                    |
|                                               | 90.5                      | 50.0                    | 42.5                                                              |                         | 50.0                    | 50.0                    |
|                                               | 96                        | 50.0                    | 48                                                                |                         | 50.0                    | 50.0                    |
|                                               | 101.5                     | 50.0                    | 53.5                                                              |                         | 50.0                    | 50.0                    |
|                                               | 107                       | 50.0                    | 59                                                                |                         | 50.0                    | 50.0                    |
|                                               | 112.5                     | 50.0                    | 26                                                                |                         | 50.0                    | 50.0                    |
|                                               | 118                       | 50.0                    | 31.5                                                              | 79.5                    | 50.0                    | 50.0                    |
| 31.5                                          | 74                        | 50.0                    | 37                                                                |                         | 50.0                    | 50.0                    |
|                                               | 79.5                      | 50.0                    | 42.5                                                              |                         | 50.0                    | 50.0                    |
|                                               | 85                        | 50.0                    | 48                                                                |                         | 50.0                    | 50.0                    |
|                                               | 90.5                      | 50.0                    | 53.5                                                              |                         | 50.0                    | 50.0                    |
|                                               | 96                        | 50.0                    | 26                                                                | 85                      | 50.0                    | 50.0                    |
|                                               | 101.5                     | 50.0                    | 31.5                                                              |                         | 50.0                    | 50.0                    |
|                                               | 107                       | 50.0                    | 37                                                                |                         | 50.0                    | 50.0                    |
|                                               | 112.5                     | 50.0                    | 42.5                                                              |                         | 50.0                    | 50.0                    |
|                                               | 118                       | 50.0                    | 48                                                                |                         | 50.0                    | 50.0                    |
| 37                                            | 74                        | 50.0                    | 53.5                                                              | 90.5                    | 50.0                    | 50.0                    |
|                                               | 79.5                      | 50.0                    | 26                                                                |                         | 50.0                    | 50.0                    |
|                                               | 85                        | 50.0                    | 31.5                                                              |                         | 50.0                    | 50.0                    |
|                                               | 90.5                      | 50.0                    | 37                                                                |                         | 50.0                    | 50.0                    |
|                                               | 96                        | 50.0                    | 42.5                                                              |                         | 50.0                    | 50.0                    |
|                                               | 101.5                     | 50.0                    | 48                                                                |                         | 50.0                    | 50.0                    |



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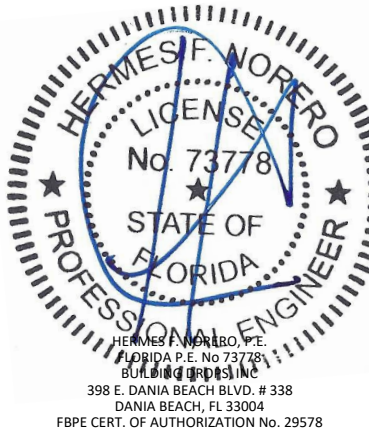
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DWG. #: **KAW002**

SECTION:  
**4.2**

STANDARD MULLION CAPACITY CHARTS

| DESIGN PRESSURE TABLE:<br>HORIZONTAL CAPACITY |                           |                         |
|-----------------------------------------------|---------------------------|-------------------------|
| SPAN WIDTH<br>'W'<br>(IN)                     | BAY HEIGHT<br>'H'<br>(IN) | MULLION H1<br>(+/- PSF) |
| 37                                            | 107                       | 50.0                    |
|                                               | 112.5                     | 50.0                    |
|                                               | 118                       | 50.0                    |
| 42.5                                          | 74                        | 50.0                    |
|                                               | 79.5                      | 50.0                    |
|                                               | 85                        | 50.0                    |
|                                               | 90.5                      | 50.0                    |
|                                               | 96                        | 50.0                    |
|                                               | 101.5                     | 50.0                    |
|                                               | 107                       | 50.0                    |
| 48                                            | 74                        | 50.0                    |
|                                               | 79.5                      | 50.0                    |
|                                               | 85                        | 50.0                    |
|                                               | 90.5                      | 50.0                    |
|                                               | 96                        | 50.0                    |
| 53.5                                          | 74                        | 50.0                    |
|                                               | 79.5                      | 50.0                    |
|                                               | 85                        | 50.0                    |
| 59                                            | 74                        | 50.0                    |

| DESIGN PRESSURE TABLE:<br>VERTICAL MULLION CAPACITY - SINGLE SPAN |                         |                         |                         |
|-------------------------------------------------------------------|-------------------------|-------------------------|-------------------------|
| TRIBUTARY<br>WIDTH 'W'<br>(IN)                                    | SPAN HEIGHT<br>'H' (IN) | MULLION M1<br>(+/- PSF) | MULLION M2<br>(+/- PSF) |
| 26                                                                | 96                      | 50.0                    | 50.0                    |
| 31.5                                                              |                         | 50.0                    | 50.0                    |
| 37                                                                |                         | 50.0                    | 50.0                    |
| 42.5                                                              |                         | 50.0                    | 50.0                    |
| 48                                                                | 101.5                   | 50.0                    | 50.0                    |
| 26                                                                |                         | 50.0                    | 50.0                    |
| 31.5                                                              |                         | 50.0                    | 50.0                    |
| 37                                                                |                         | 50.0                    | 50.0                    |
| 42.5                                                              | 107                     | 50.0                    | 50.0                    |
| 26                                                                |                         | 50.0                    | 50.0                    |
| 31.5                                                              |                         | 50.0                    | 50.0                    |
| 37                                                                |                         | 50.0                    | 50.0                    |
| 42.5                                                              | 112.5                   | 50.0                    | 47.8                    |
| 26                                                                |                         | 50.0                    | 50.0                    |
| 31.5                                                              |                         | 50.0                    | 50.0                    |
| 37                                                                | 118                     | 50.0                    | 46.3                    |
| 26                                                                |                         | 50.0                    | 50.0                    |
| 31.5                                                              |                         | 50.0                    | 46.5                    |
| 37                                                                |                         | 50.0                    | 40.0                    |



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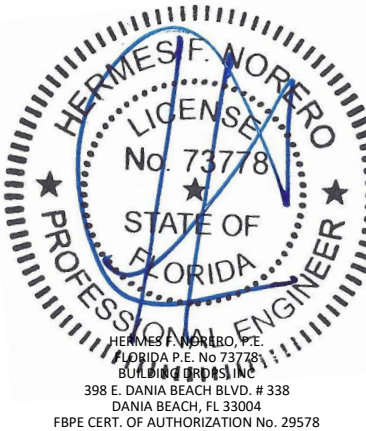
TITLE:  
1600 SYSTEM 2 CURTAIN WALL  
(NON-HVHZ)(NON-IMPACT)  
MULLION CAPACITY CHART

PREPARED BY:  
BUILDING DROPS, INC.  
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**FL11490**

DATE: **07.22.20**

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

SCALE: **NTS**

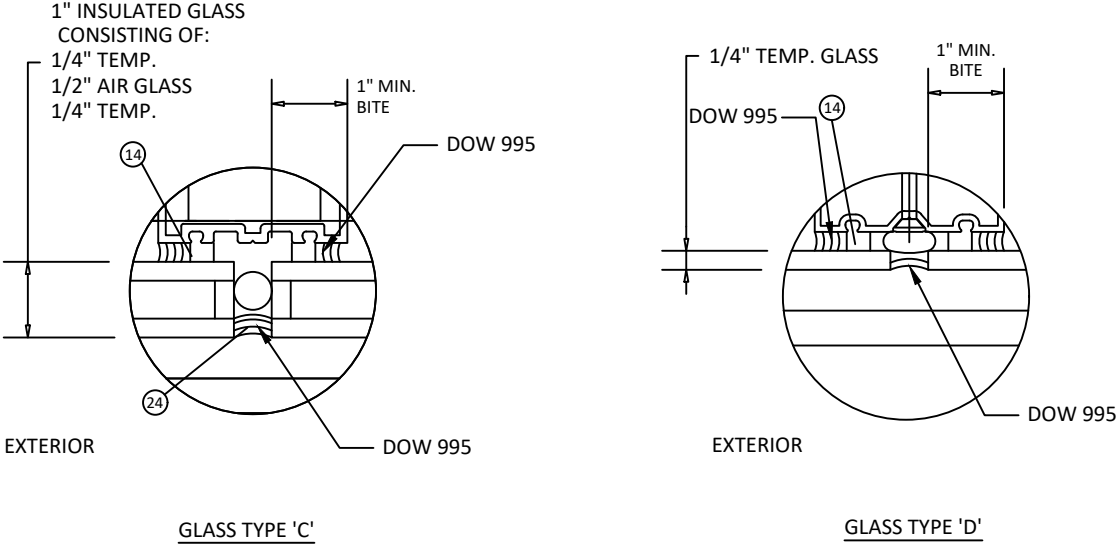
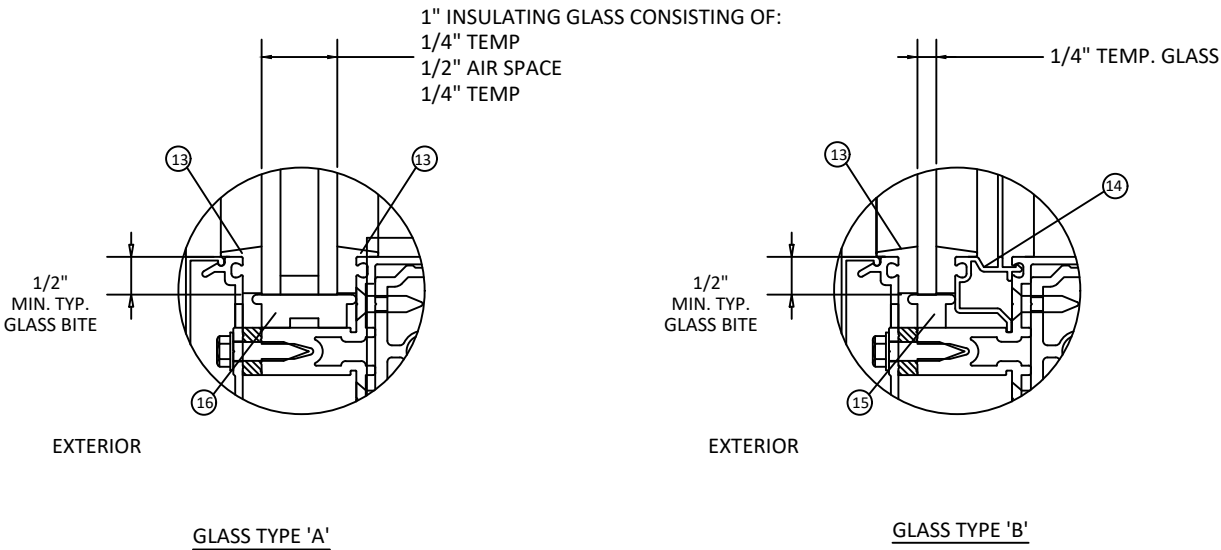
DWG. #: **KAW002**

SECTION:  
**4.3**

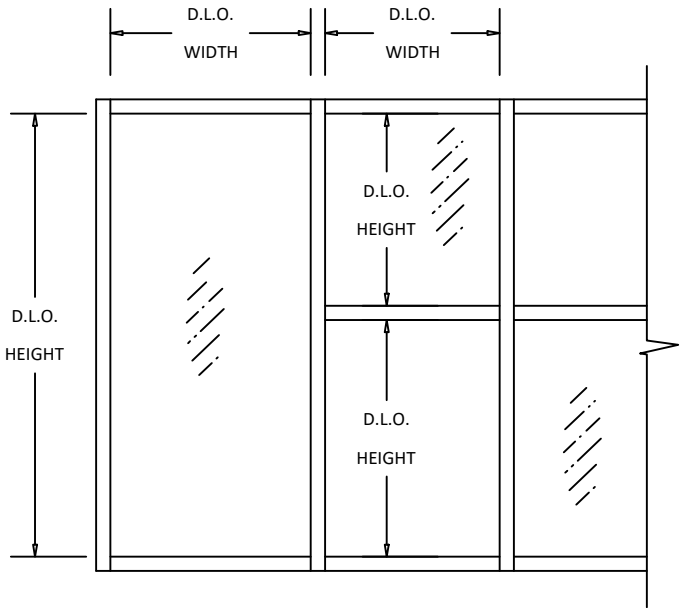
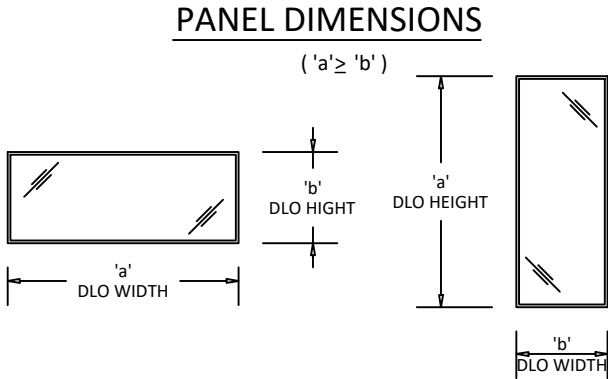
# MONOLITHIC AND INSULATING NON IMPACT GLASS OPTIONS

### 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



- \* 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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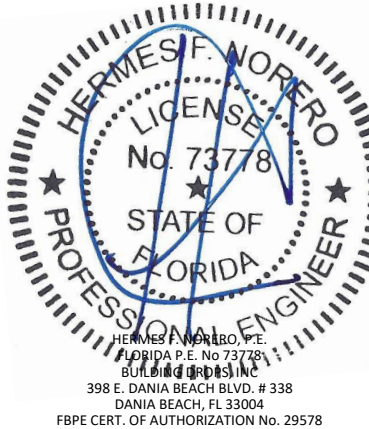
GLAZING DETAILS

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DWG. BY: E.R. CHK. BY: HFN

SCALE: NTS

DWG. #: KAW002

SECTION:

5.0

GLASS LOAD CAPACITY

| DESIGN PRESSURE TABLE:<br>GLAZING CAPACITY BY TYPE |                          |                                  |
|----------------------------------------------------|--------------------------|----------------------------------|
| D.L.O.<br>WIDTH<br>(IN)                            | D.L.O.<br>HEIGHT<br>(IN) | DESIGN<br>PRESSURE<br>( +/- PSF) |
|                                                    |                          | TYPE 'A', 'B', 'C' &<br>'D'      |
| 23.5                                               | 69                       | 50.0                             |
|                                                    | 74.5                     | 50.0                             |
|                                                    | 80                       | 50.0                             |
|                                                    | 85.5                     | 50.0                             |
|                                                    | 91                       | 50.0                             |
|                                                    | 96.5                     | 50.0                             |
|                                                    | 102                      | 50.0                             |
|                                                    | 107.5                    | 50.0                             |
|                                                    | 113                      | 50.0                             |
| 29                                                 | 69                       | 50.0                             |
|                                                    | 74.5                     | 50.0                             |
|                                                    | 80                       | 50.0                             |
|                                                    | 85.5                     | 50.0                             |
|                                                    | 91                       | 50.0                             |
|                                                    | 96.5                     | 50.0                             |
|                                                    | 102                      | 50.0                             |
|                                                    | 107.5                    | 50.0                             |
|                                                    | 113                      | 50.0                             |
| 34.5                                               | 69                       | 50.0                             |
|                                                    | 74.5                     | 50.0                             |
|                                                    | 80                       | 50.0                             |
|                                                    | 85.5                     | 50.0                             |
|                                                    | 91                       | 50.0                             |
|                                                    | 96.5                     | 50.0                             |
|                                                    | 102                      | 50.0                             |
|                                                    | 107.5                    | 50.0                             |
|                                                    | 113                      | 50.0                             |

| DESIGN PRESSURE TABLE:<br>GLAZING CAPACITY BY TYPE |                       |                                  |
|----------------------------------------------------|-----------------------|----------------------------------|
| D.L.O.<br>WIDTH<br>(IN)                            | D.L.O.<br>HEIGHT (IN) | DESIGN<br>PRESSURE<br>( +/- PSF) |
|                                                    |                       | TYPE 'A', 'B', 'C'<br>& 'D'      |
| 40                                                 | 69                    | 50.0                             |
|                                                    | 74.5                  | 50.0                             |
|                                                    | 80                    | 50.0                             |
|                                                    | 85.5                  | 50.0                             |
|                                                    | 91                    | 50.0                             |
|                                                    | 96.5                  | 50.0                             |
|                                                    | 102                   | 50.0                             |
| 45.5                                               | 69                    | 50.0                             |
|                                                    | 74.5                  | 50.0                             |
|                                                    | 80                    | 50.0                             |
|                                                    | 85.5                  | 50.0                             |
| 51                                                 | 69                    | 44.6                             |
|                                                    | 74.5                  | 44.6                             |
|                                                    | 80                    | 44.6                             |
| 56.5                                               | 69                    | 40.3                             |

- GLASS TABLE NOTES:
1. GLASS CAPACITIES ON THIS SHEET ARE BASED ON ASTM E1300 (3 SEC. GUSTS).
  2. GLASS CAPACITIES ARE LIMITED BY THE RESULTS OF COMPARATIVE ANALYSIS IN ACCORDANCE WITH CHAPTER 17 OF THE CURRENT FBC.
  3. WHERE REQUIRED, TEMPERED GLASS IS REQUIRED TO BE USED TO COMPLY WITH SAFETY GLAZING REQUIREMENTS OUTLINED IN CHAPTER 24 OF THE CURRENT FBC.
  4. ALL GLASS LITES THAT EXCEED 36" IN WIDTH SHALL USE APPROVED SETTING BLOCKS IN ACCORDANCE WITH CHAPTER 24 OF THE CURRENT FBC.
  5. REFER TO SECTION 2 FOR ILLUSTRATION OF DAYLIGHT OPENING DIMENSIONS.



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GLASS CAPACITY CHART

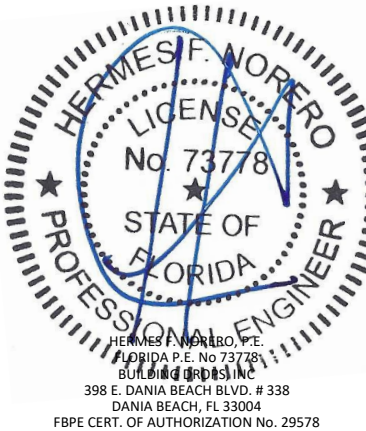
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SCALE: NTS

DWG. #: KAW002

SECTION:

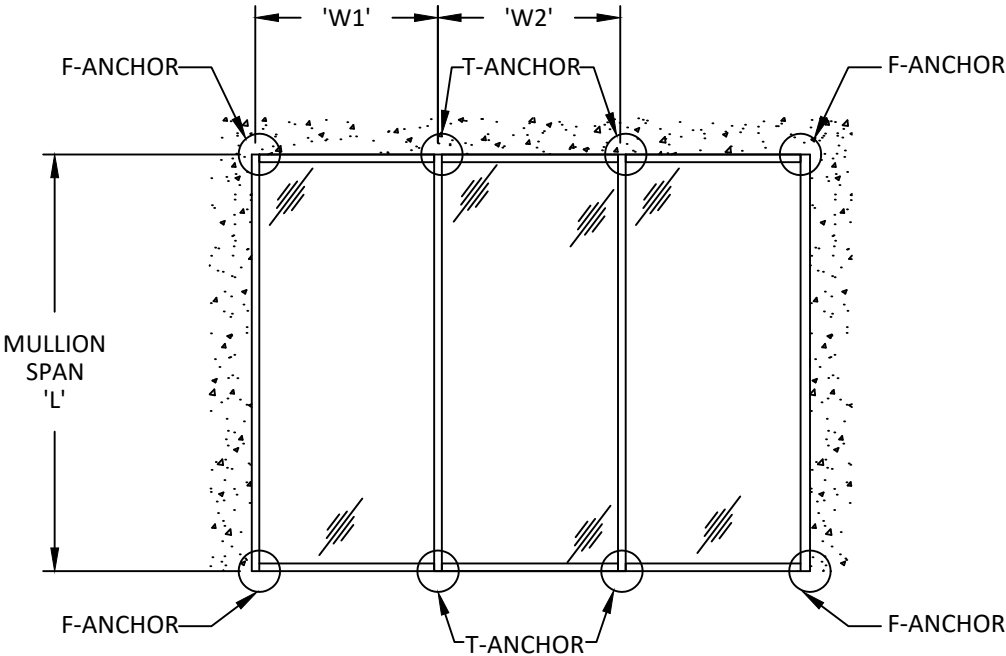
5.1

F & T ANCHOR TYPES

| TYPE | DIAMETER | ANCHOR TYPE                            | SUBSTRATE                                                                             | MINIMUM<br>EDGE<br>DISTANCE | MINIMUM<br>EMBEDMENT                                                |
|------|----------|----------------------------------------|---------------------------------------------------------------------------------------|-----------------------------|---------------------------------------------------------------------|
| A    | 3/8"     | SS LAG SCREW                           | WOOD (MIN SG. = 0.55)                                                                 | 3/4"                        | 3"                                                                  |
| B    | 1/4"     | TAPCON                                 | MIN. 3000 PSI<br>CONCRETE<br>'CRACKED OR<br>UNCRAKED'                                 | 2 1/2"                      | 1 3/4"                                                              |
| C    | 1/4"     | GR. 5 SMS OR<br>SELF-DRILLING<br>SCREW | MIN. 16 GA. 50 KSI<br>METAL STUD, MIN.<br>1/8" THICK A36<br>STEEL OR ALUM.<br>6063-T5 | 1/2"                        | MIN. 3 THREADS<br>PENETRATION<br>BEYOND STEEL OR<br>ALUM. STRUCTURE |

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

\*REFER TO SECTION 4 FOR ILLUSTRATION OF DETERMINING MAX. TRIBUTARY WIDTH



ANCHOR LAYOUT

- 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 DETAILS FOR ANCHOR CONFIGURATIONS.
  5. REFER TO SECTION 6.1 DETAILS FOR T & F ANCHOR TYPE CAPACITIES.



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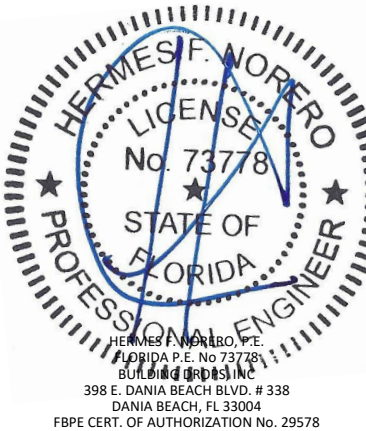
F & T ANCHOR TYPES

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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 IN SHIM SPACE | ANCHOR TYPE 'B4' WITH 1 IN SHIM SPACE | ANCHOR TYPE 'C4' WITH 1 IN SHIM SPACE |
| 26                                                | 74                        | 50.0                                  | 50.0                                  | 50.0                                  |
| 31.5                                              |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 37                                                |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 42.5                                              |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 48                                                |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 53.5                                              |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 59                                                |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 26                                                | 79.5                      | 50.0                                  | 50.0                                  | 50.0                                  |
| 31.5                                              |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 37                                                |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 42.5                                              |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 48                                                |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 53.5                                              |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 26                                                | 85                        | 50.0                                  | 50.0                                  | 50.0                                  |
| 31.5                                              |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 37                                                |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 42.5                                              |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 48                                                |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 53.5                                              |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 26                                                | 90.5                      | 50.0                                  | 50.0                                  | 50.0                                  |
| 31.5                                              |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 37                                                |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 42.5                                              |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 48                                                |                           | 50.0                                  | 50.0                                  | 50.0                                  |

| MAX. ANCHOR CAPACITY - DESIGN PRESSURES (+/- PSF) |                           |                                       |                                       |                                       |
|---------------------------------------------------|---------------------------|---------------------------------------|---------------------------------------|---------------------------------------|
| MAX. AVG. WIDTH 'W' (IN)                          | MAX. SPAN HEIGHT 'H' (IN) | ANCHOR TYPE 'A4' WITH 1 IN SHIM SPACE | ANCHOR TYPE 'B4' WITH 1 IN SHIM SPACE | ANCHOR TYPE 'C4' WITH 1 IN SHIM SPACE |
| 26                                                | 96                        | 50.0                                  | 50.0                                  | 50.0                                  |
| 31.5                                              |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 37                                                |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 42.5                                              |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 48                                                |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 26                                                | 101.5                     | 50.0                                  | 50.0                                  | 50.0                                  |
| 31.5                                              |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 37                                                |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 42.5                                              | 107                       | 50.0                                  | 50.0                                  | 50.0                                  |
| 26                                                |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 31.5                                              |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 37                                                |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 42.5                                              |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 26                                                | 112.5                     | 50.0                                  | 50.0                                  | 50.0                                  |
| 31.5                                              |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 37                                                |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 26                                                | 118                       | 50.0                                  | 50.0                                  | 50.0                                  |
| 31.5                                              |                           | 50.0                                  | 50.0                                  | 50.0                                  |
| 37                                                |                           | 50.0                                  | 50.0                                  | 50.0                                  |

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



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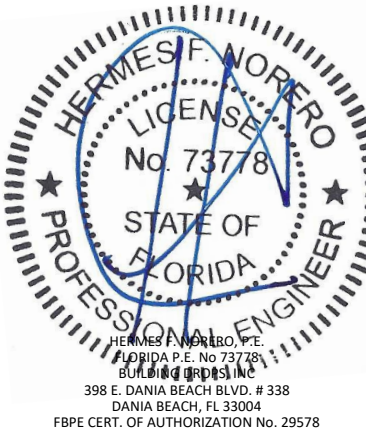
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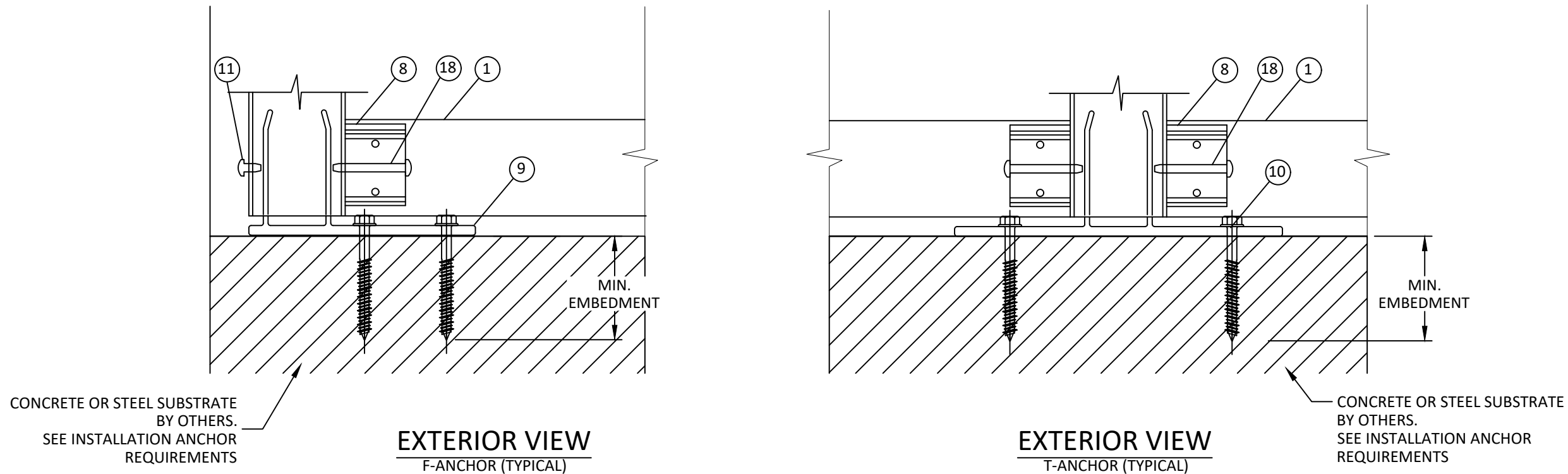
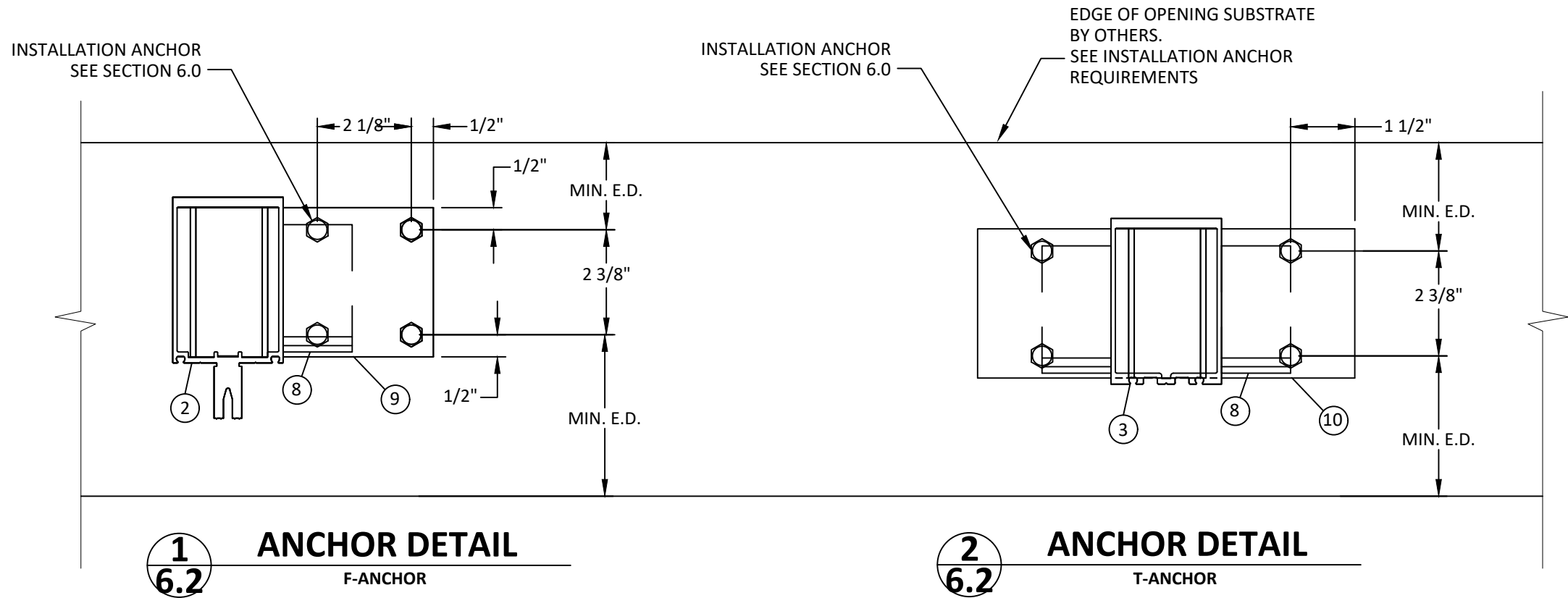
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DWG. #: KAW002

SECTION:

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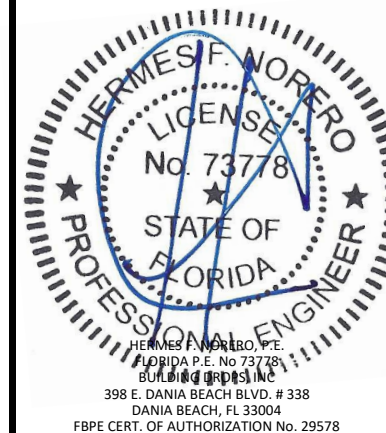
ANCHOR DETAILS

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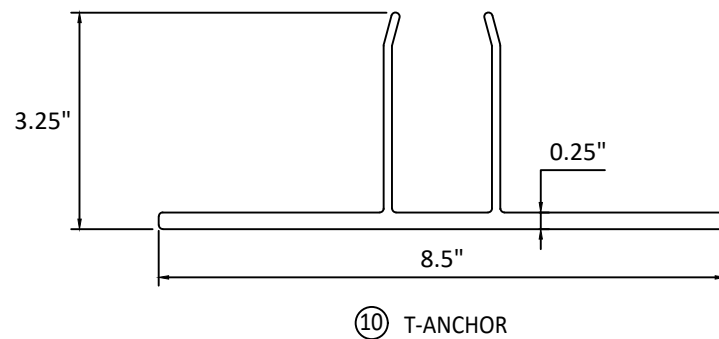
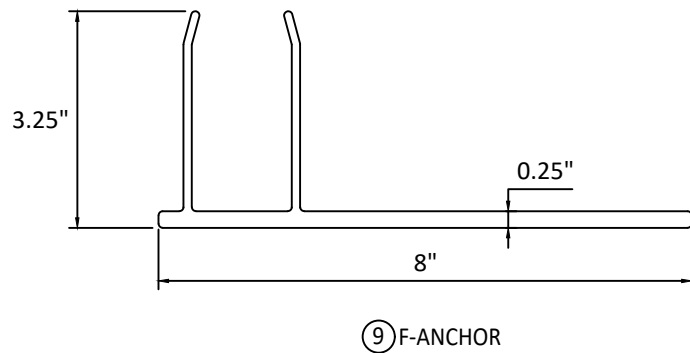
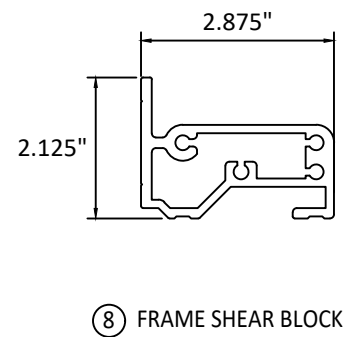
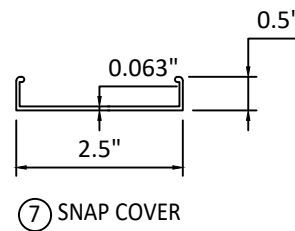
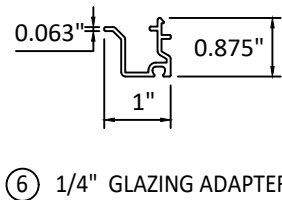
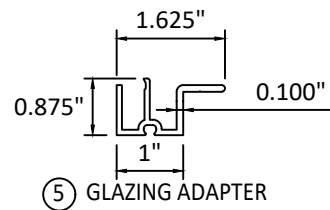
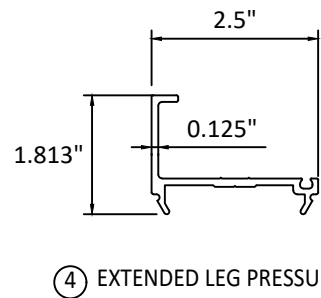
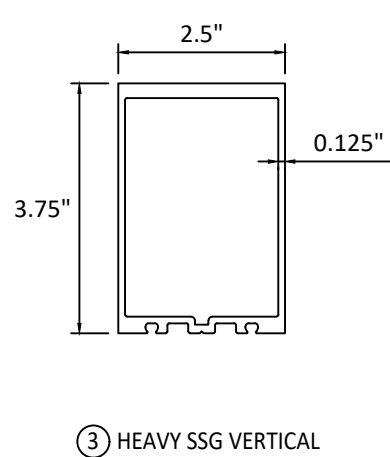
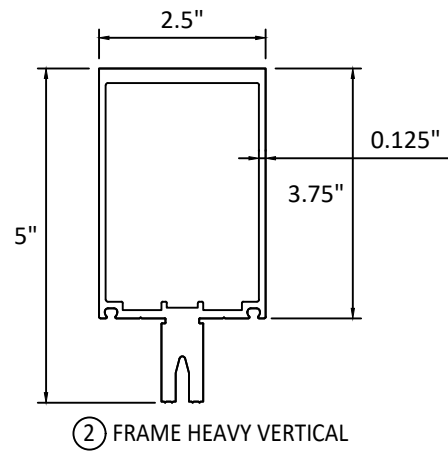
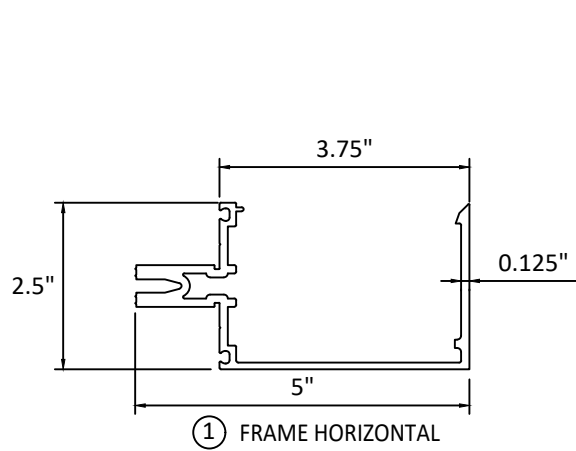
SCALE: **NTS**

DWG. #: **KAW002**

SECTION:

**6.2**

c:\users\luiz.lopes\desktop\manager\building drops\projects\kawneer company\cc-20-0640\111491.dwg - old 111491 2020-10-19.dwg 10/19/2020 2:00 PM



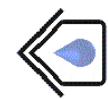
555 GUTHRIDGE CT  
NORCROSS, GA 30092  
PH: (770) 840-6431

TITLE:  
1600 SYSTEM 2 CURTAIN WALL  
(NON-HVHZ)(NON-IMPACT)

COMPONENTS

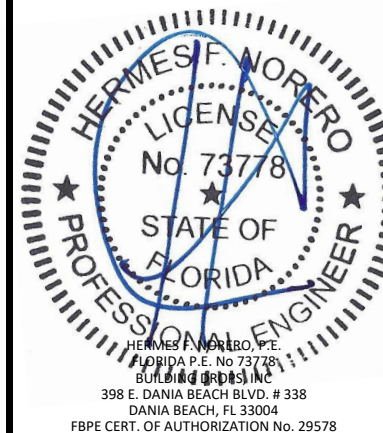
PREPARED BY:

BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD., STE. 338  
DANIA BEACH, FL 33004  
PH: (954) 999-8478  
FAX: (954) 744-4738  
WEB: www.buildingdrops.com



| REMARKS | BY | DATE |
|---------|----|------|
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|         |    |      |

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 #:  
**FL11490**

DATE: **07.22.20**

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

SCALE: **NTS**

DWG. #: **KAW002**

SECTION:  
**7.0**

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| BILL OF MATERIALS |          |                                         |                             |
|-------------------|----------|-----------------------------------------|-----------------------------|
| ITEM              | PART NO. | DESCRIPTION                             | MATERIAL                    |
| 1                 | 162094   | FRAME/ HORIZONTAL                       | 6063-T6                     |
| 2                 | 162002   | HEAVY VERTICAL USED AS JAMB             | 6063-T6                     |
| 3                 | 162026   | HEAVY SSG VERTICAL USED AS INTERMEDIATE | 6063-T6                     |
| 4                 | 162505   | EXTENDED LEG PRESSURE PLATE             | 6063-T6                     |
| 5                 | 162058   | GLAZING ADAPTER                         | 6063-T6                     |
| 6                 | 162019   | 1/4" GLAZING ADAPTER                    | 6063-T6                     |
| 7                 | 162006   | SNAP COVER                              | 6063-T6                     |
| 8                 | 162331   | FRAME SHEAR BLOCK                       | 6063-T6                     |
| 9                 | 162308   | "F" ANCHOR/ JAMB END CLIP               | 6063-T6                     |
| 10                | 162328   | "T" ANCHOR / INTERMEDIATE END CLIP      | 6063-T6                     |
| 11                | 27850    | FIXED GASKET                            | SHORE "A" 60 DUROMETER EPDM |
| 12                | 162310   | THERMAL SEPARATOR                       | SHORE "A" 70 DUROMETER EPDM |
| 13                | 27857    | FIXED GASKET (GLAZING)                  | SHORE "A" 70 DUROMETER EPDM |
| 14                | 27475    | FIXED GASKET (SSG GLAZING)              | SHORE "A" 60 DUROMETER EPDM |
| 15                | 27854    | SETTING BLOCK (NON I.G. GLASS)          | SHORE "A" 85 DUROMETER EPDM |
| 16                | 27853    | SETTING BLOCK (I.G. GLASS)              | SHORE "A" 85 DUROMETER EPDM |
| 17                | 28843    | #12 X 1/2" FHTF SCREW                   | 3" FROM ENDS & MAX. 9" O.C. |
| 18                | 128406   | 1/4"x1" HWHTF TYPE AB SCREW             | 3" FROM ENDS & MAX. 9" O.C. |



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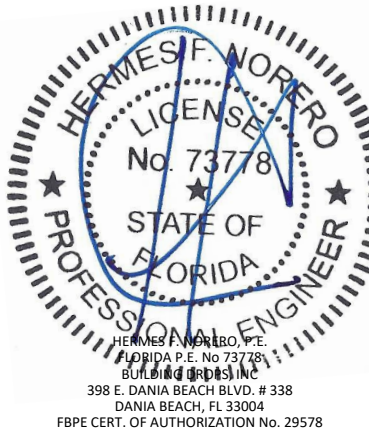
BILL OF MATERIALS

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

SCALE: **NTS**

DWG. #: **KAW002**

SECTION:  
**7.1**