

# KAWNEER COMPANY, INC.

## IR501 STOREFRONT

### (WZ3) (IMPACT)

INSTALLATION NOTES:

- ONE (1) INSTALLATION ANCHOR IS REQUIRED AT EACH ANCHOR LOCATION SHOWN.
- THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER 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., WITHOUT CONSIDERATION OF TOLERANCES). TOLERANCES ARE NOT CUMULATIVE FROM ONE INSTALLATION ANCHOR TO THE NEXT.
- SHIM AS REQUIRED AT EACH INSTALLATION ANCHOR WITH LOAD BEARING SHIM(S). MAXIMUM ALLOWABLE SHIM STACK TO BE 3/8 INCH. SHIM WHERE SPACE OF 1/16 INCH OR GREATER OCCURS. SHIM(S) SHALL BE CONSTRUCTED OF HIGH DENSITY PLASTIC OR BETTER.
- 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.
- FOR HOLLOW BLOCK AND GROUT FILLED BLOCK, DO NOT INSTALL INSTALLATION ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT INTO FACE SHELL OF BLOCK.
- FOR MASONRY OR CONCRETE OPENINGS, A 1X WOOD BUCK MAY BE USED (OPTIONAL) AS LONG AS THE MINIMUM EMBEDMENT AND EDGE DISTANCE REQUIREMENTS ARE STILL MET WITHIN THE CORRESPONDING HOST SUBSTRATE. SEE GENERAL NOTE #3 ON SHEET 1 FOR MORE INFORMATION.
- 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.
- INSTALLATION ANCHOR CAPACITIES FOR PRODUCTS HEREIN ARE BASED ON SUBSTRATE MATERIALS WITH THE FOLLOWING PROPERTIES:
  - WOOD - MINIMUM SPECIFIC GRAVITY OF 0.55.
  - CONCRETE -MINIMUM COMPRESSIVE STRENGTH OF 3000 PSI.
  - MASONRY - STRENGTH CONFORMANCE TO ASTM C-90,WITH MINIMUM COMPRESSIVE STRENGTH OF 2000 PSI.
  - STEEL - MINIMUM YIELD STRENGTH OF 36 KSI. MINIMUM 12 GA. WALL THICKNESS.
  - ALUMINUM - MINIMUM 1/8 INCH THICK 6063-T5 ALUMINUM.

GENERAL NOTES:

- THE PRODUCT SHOWN HEREIN IS DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC), EXCLUDING HVHZ AND HAS BEEN EVALUATED ACCORDING TO THE FOLLOWING:
  - AAMA 501-15
  - AAMA 1304-05
  - ASTM E283-04(12)
  - ASTM E330-14
  - ASTM E331-00(16)
  - ASTM E1886-13a
  - ASTM E1996-17
- ADEQUACY OF THE EXISTING STRUCTURAL CONCRETE/MASONRY, 2X FRAMING AND METAL STUD FRAMING AS A MAIN WIND FORCE RESISTING SYSTEM CAPABLE OF WITHSTANDING AND TRANSFERRING APPLIED PRODUCT LOADS TO THE FOUNDATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 1X AND 2X BUCKS (WHEN USED) SHALL BE DESIGNED AND ANCHORED TO PROPERLY TRANSFER ALL LOADS TO THE STRUCTURE. BUCK DESIGN AND INSTALLATION IS THE RESPONSIBILITY OF THE ENGINEER OR ARCHITECT OF RECORD FOR THE PROJECT OF INSTALLATION.
- 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.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS NOT REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE ON WIND ZONE 3 OR LESS.
- APPROVED IMPACT PROTECTIVE SYSTEM **IS REQUIRED** ON THIS PRODUCT IN AREAS REQUIRING IMPACT RESISTANCE ON WIND ZONE 4.
- FRAME MATERIAL: ALUMINUM 6063-T6
- ALL STRUCTURAL MATERIALS & DISSIMILAR METALS SHALL BE PROTECTED, TREATED, PAINTED, COATED, AND/OR ISOLATED AS REQUIRED IN THE APPLICABLE SECTIONS OF THE CURRENT FLORIDA BUILDING CODE AND REFERENCED DESIGN SPECIFICATIONS.
- GLASS MEETS THE REQUIREMENTS OF ASTM E 1300 GLASS CHARTS. SEE SHEET 9 FOR GLAZING DETAILS.
- DOOR CONFIGURATIONS MAY UTILIZE BUTT HINGES OR CONTINUOUS HINGES INTERCHANGEABLY AS DESCRIBED HEREIN.
- ALLOWABLE CONFIGURATIONS: X (SINGLE DOOR) OR XX (DOUBLE DOOR) WITH OR WITHOUT TRANSOMS.

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| 11                | BOM                                        |

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 ON SHEET 9 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE
- STEP 3:** CHECK MULLION CAPACITY FOR A GIVEN SPACING AND HEIGHT SINGLE SPAN ON SHEET 7
- STEP 4:** CHECK ANCHOR CAPACITY FOR A GIVEN SPACING AND HEIGHT SINGLE SPAN ON SHEET 8
- STEP 5:** THE LOWEST VALUE RESULTING FROM STEP 2, 3 AND 4 SHALL APPLY TO ENTIRE SYSTEM



KAWNEER COMPANY

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

TITLE: IR501 STOREFRONT  
(WZ3)(IMPACT)

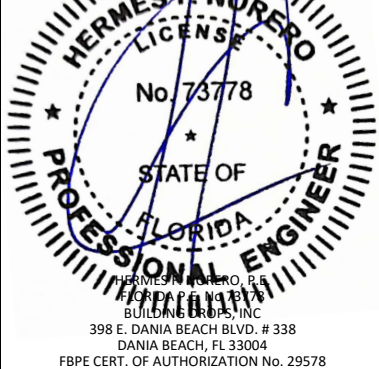
INSTALLATION & GENERAL NOTES

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: 2023.10.19 13:07:14 -0400



FL #:  
**FL41685**

DATE: **09.21.23**

DWG. BY: **DI**      CHK. BY: **HFN**

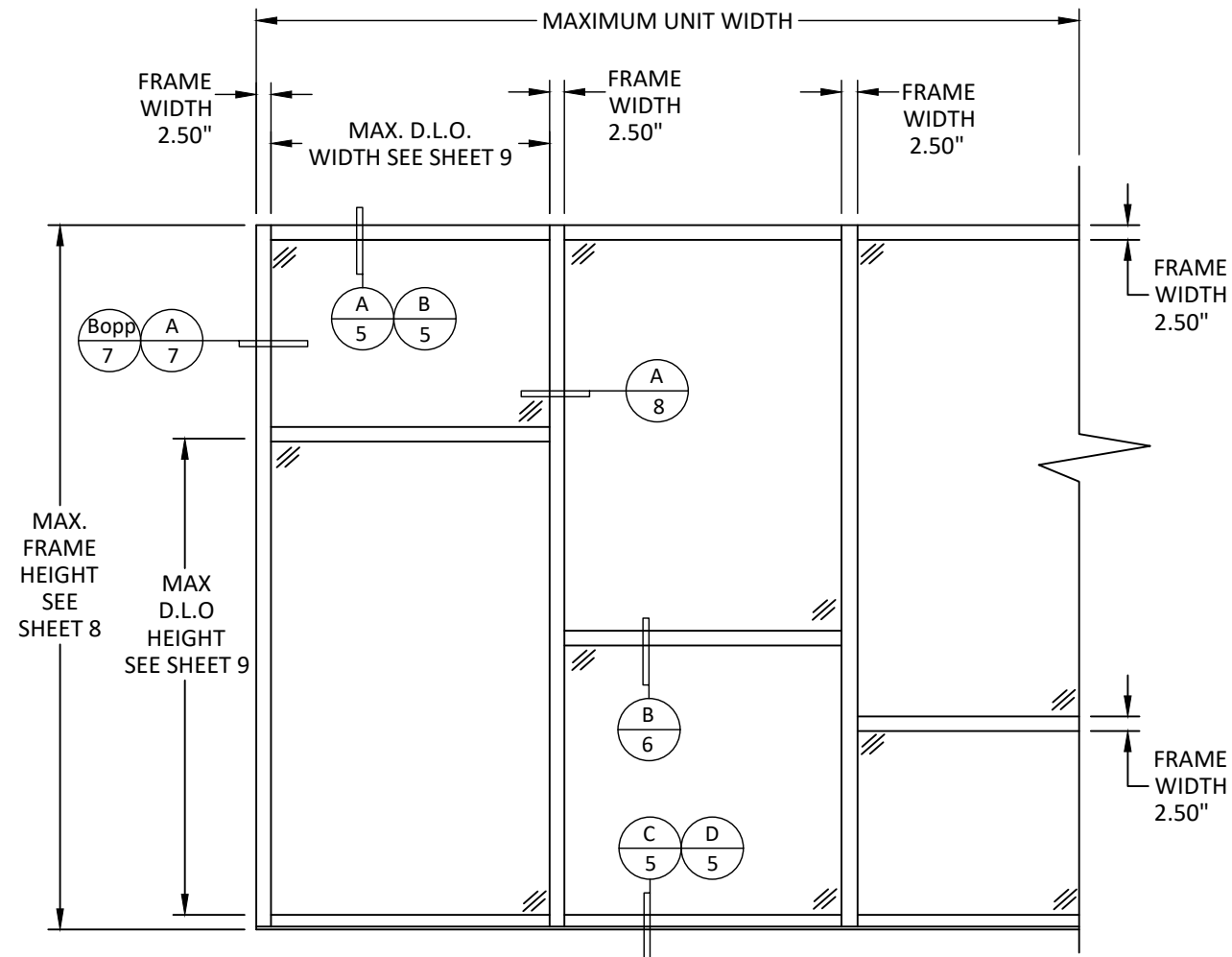
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DWG. #: **KAW029**

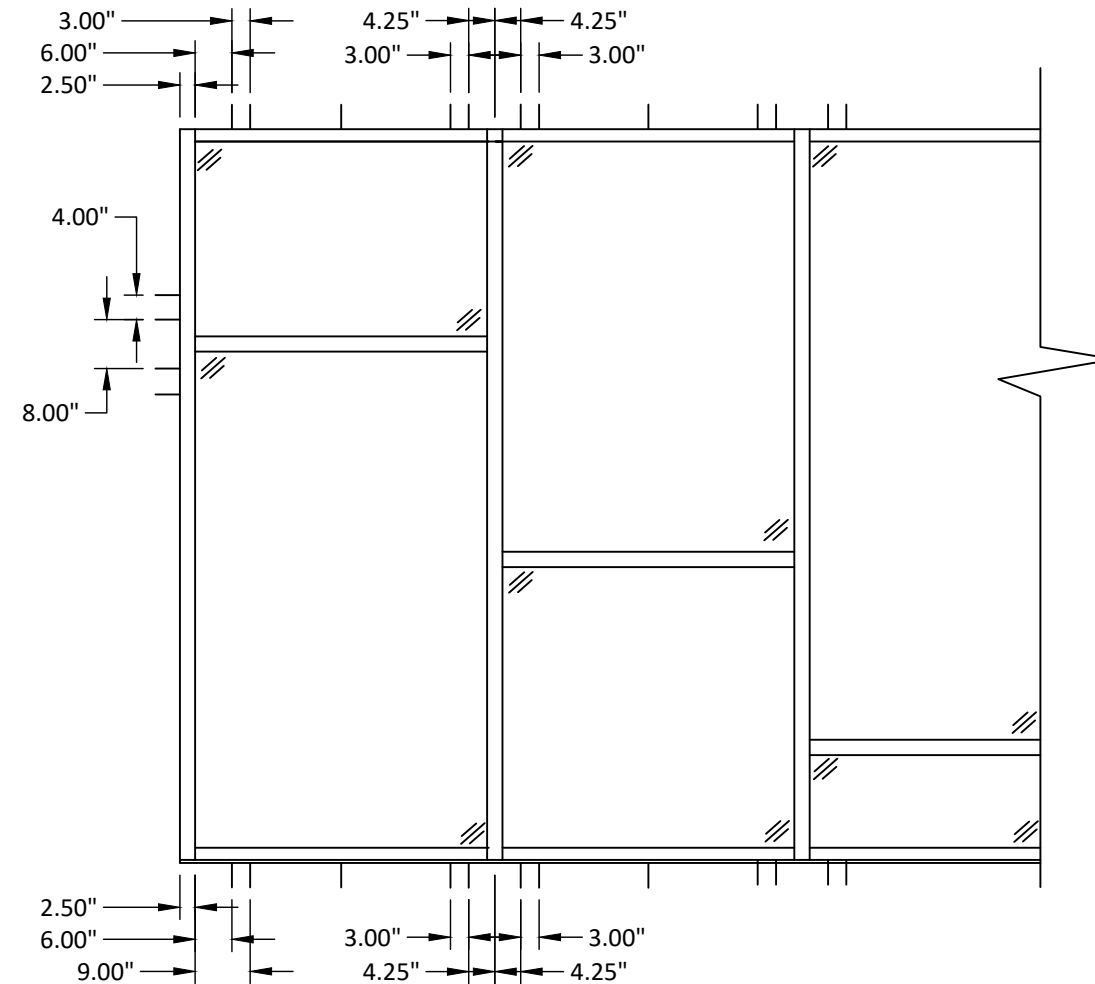
SHEET:

**1**

OF 10



**ELEVATION**  
STOREFRONT SYSTEM



**ANCHOR LAYOUT**  
STOREFRONT SYSTEM

JAMBS WITHOUT INTERMEDIATE HORIZONTAL MEMBERS  
REQUIRE ANCHORS LOCATED AT MIDSPAN OVER 108"

| ANCHOR SCHEDULE |                                          |                                                               |                                              |                    |                                                     |
|-----------------|------------------------------------------|---------------------------------------------------------------|----------------------------------------------|--------------------|-----------------------------------------------------|
| ANCHOR          | ANCHOR DESCRIPTION                       | SUBSTRATE REQUIREMENTS                                        | MIN. EMBEDMENT                               | MIN. EDGE DISTANCE | NOTES                                               |
| A               | 1/4" CONCRETE SCREW                      | CONCRETE F'C=3000 PSI MIN.                                    | 1-1/4"                                       | 2-1/2"             | ELCO ULTRACONS, ITW RED-HEADS, HILTI KWIK-CON II.   |
|                 | 1/4" CONCRETE SCREW                      | C-90 HOLLOW/FILLED BLOCK AT JAMBS F'M=2000 PSI MIN.           | 1-3/4"                                       | 2-1/2"             | ELCO ULTRACONS, ITW RED-HEADS, HILTI KWIK-CON II.   |
| B               | 1/4" DIA. SELF-DRILLING SCREWS (GRADE 5) | STEEL: 12 GA. MIN., Fy=36KSI MIN. ALUM: 1/8" MIN, 6063-T5 MIN | 3 THREADS PENETRATION BEYOND METAL STRUCTURE | 3/4"               | STEEL IN CONTACT WITH ALUM. TO BE PLATED OR PAINTED |

TITLE: IR501 STOREFRONT  
(WZ3)/(IMPACT)

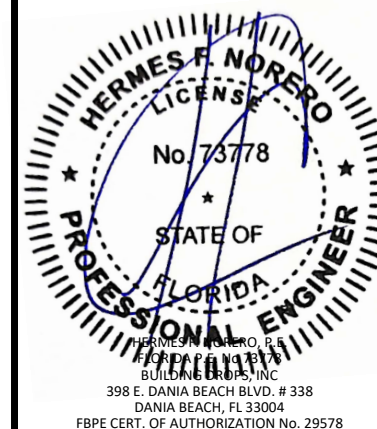
ELEVATIONS

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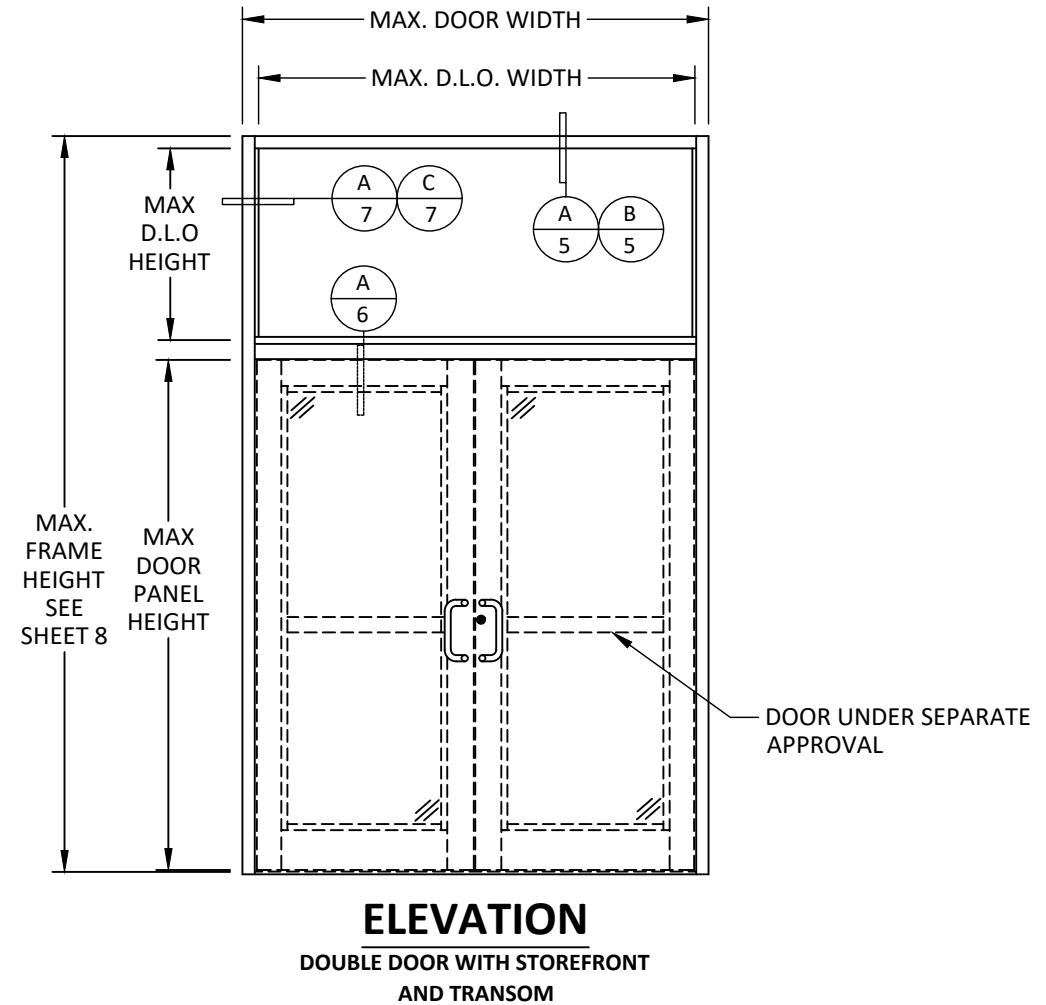
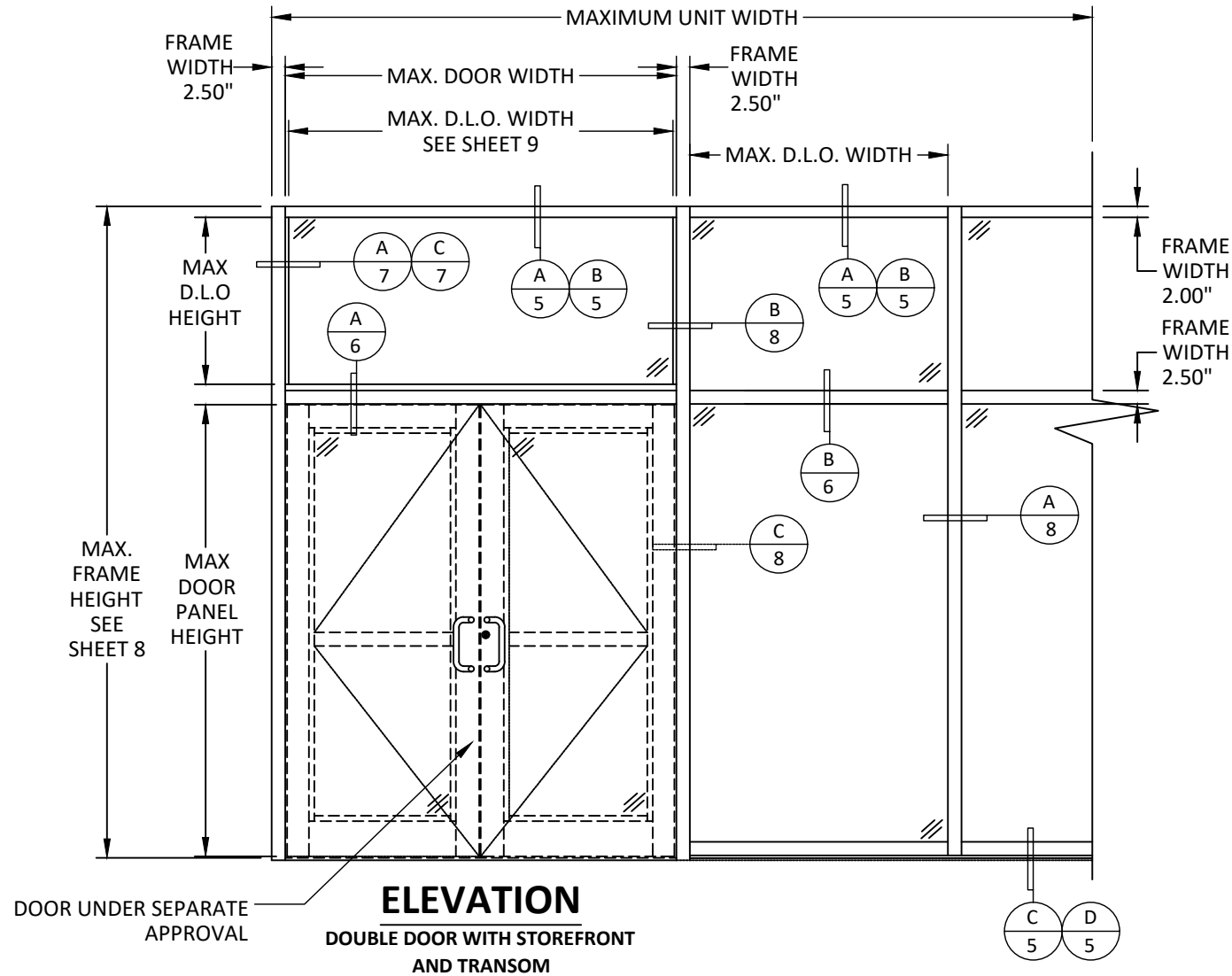
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SCALE: **NTS**

DWG. #: **KAW029**

SHEET:

**2**

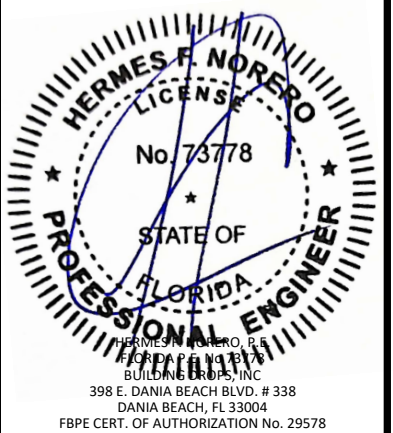


TITLE: IR501 STOREFRONT  
(WZ3)(IMPACT)  
TYPICAL CONFIGURATIONS  
& ELEVATIONS

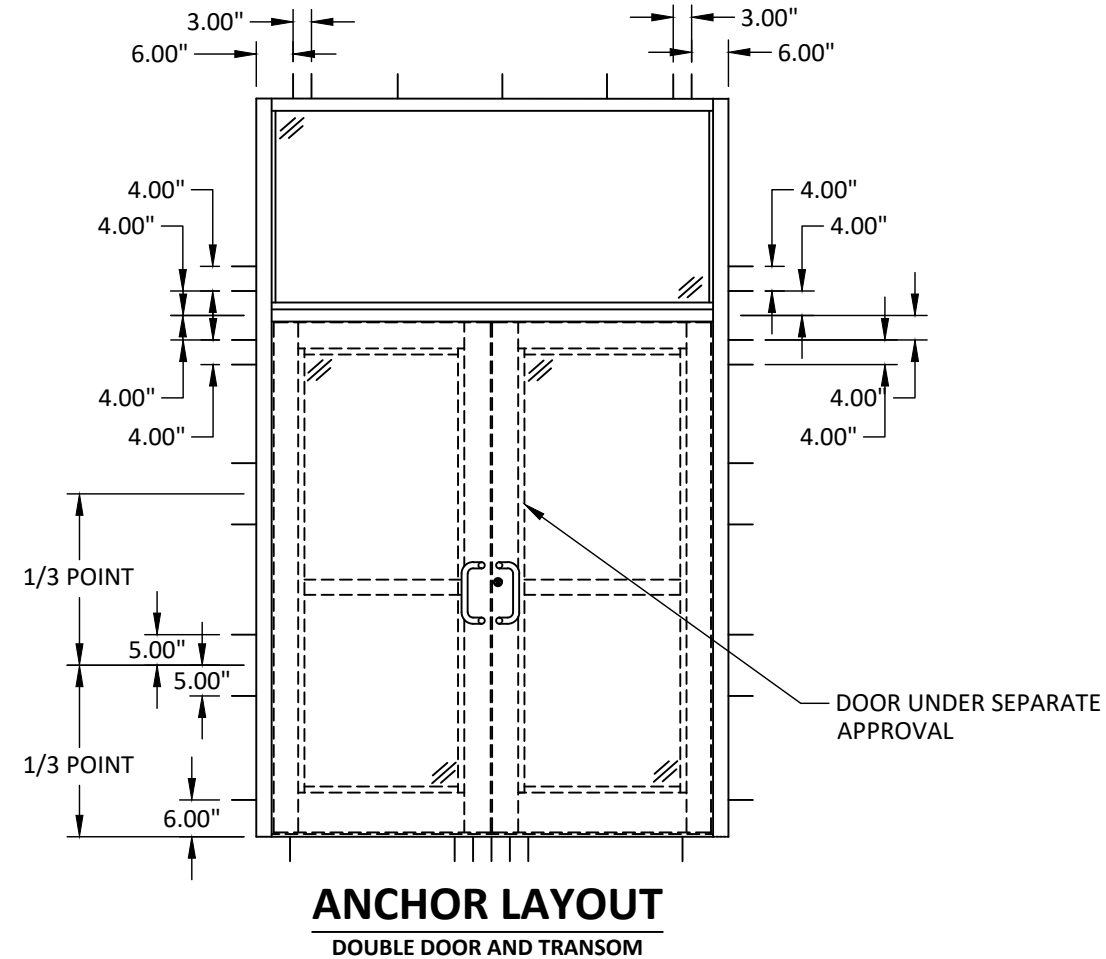
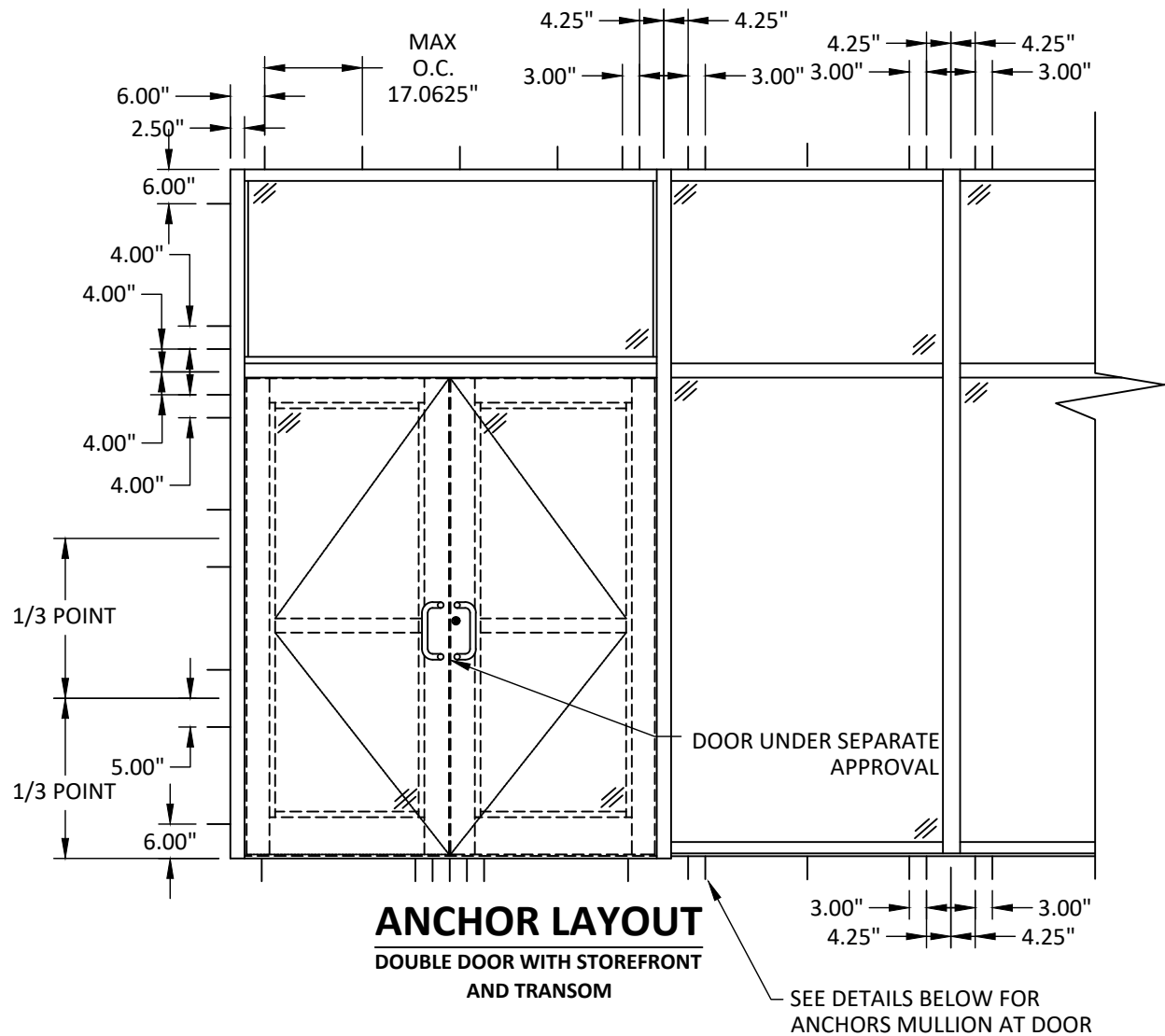
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| SCALE:   | NTS      |
| DWG. #:  | KAW029   |
| SHEET:   | 3        |



| ANCHOR SCHEDULE |                                          |                                                               |                                              |                    |                                                     |
|-----------------|------------------------------------------|---------------------------------------------------------------|----------------------------------------------|--------------------|-----------------------------------------------------|
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TYPICAL ANCHOR CONFIGURATIONS  
& ELEVATIONS

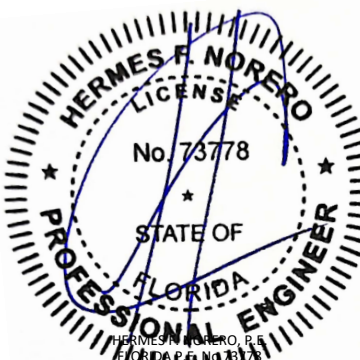
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**HERMES F. NORERO**  
LICENSE  
No. 73778  
STATE OF  
FLORIDA  
**PROFESSIONAL ENGINEER**

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

FL #:

FL41685

DATE: 09.21.23

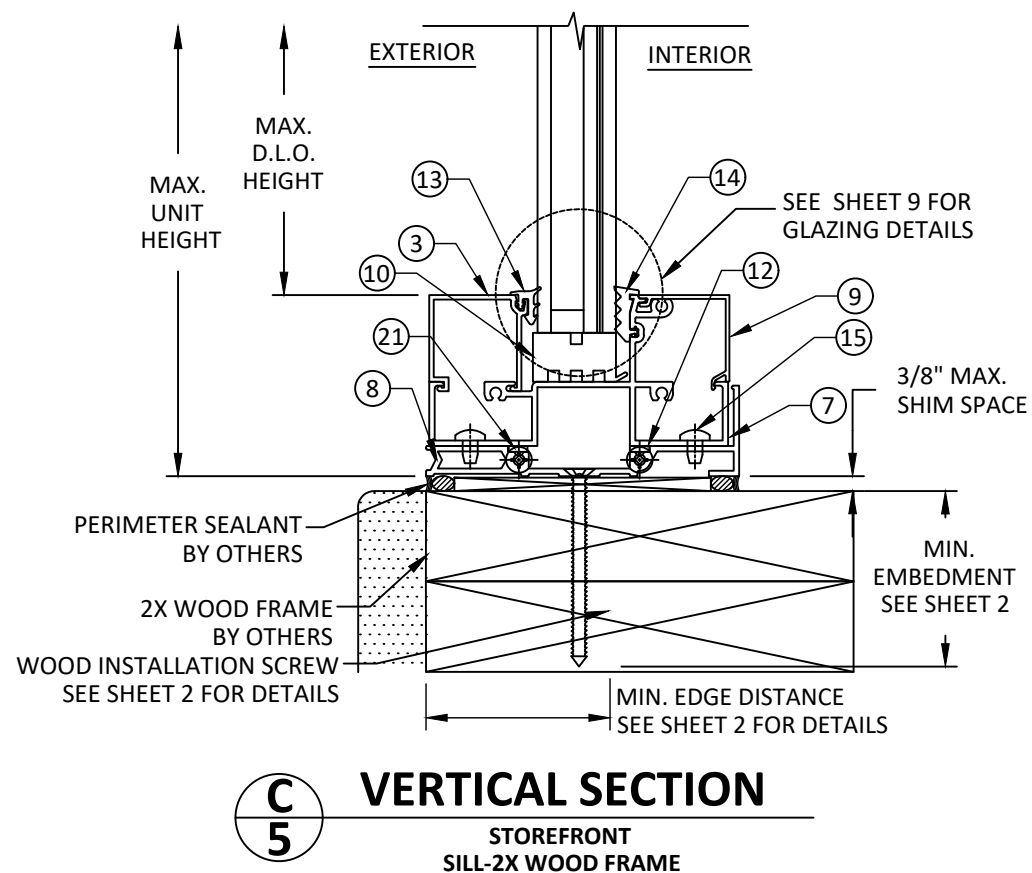
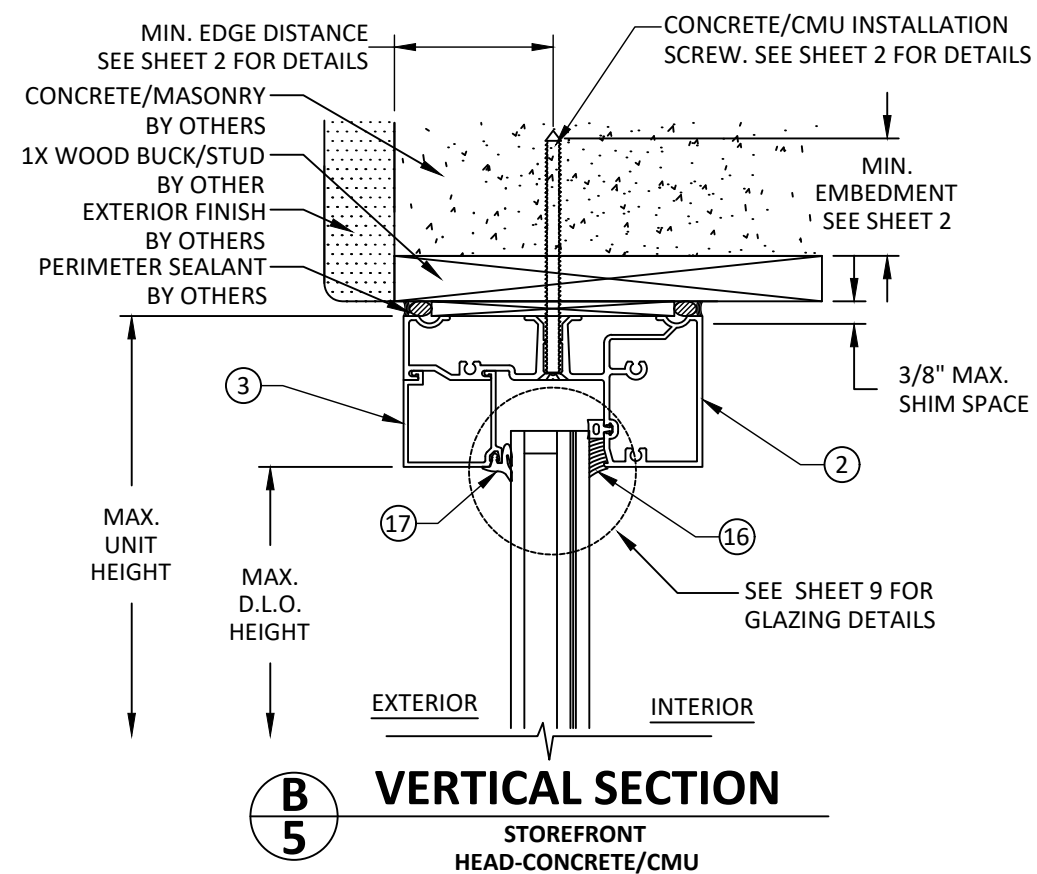
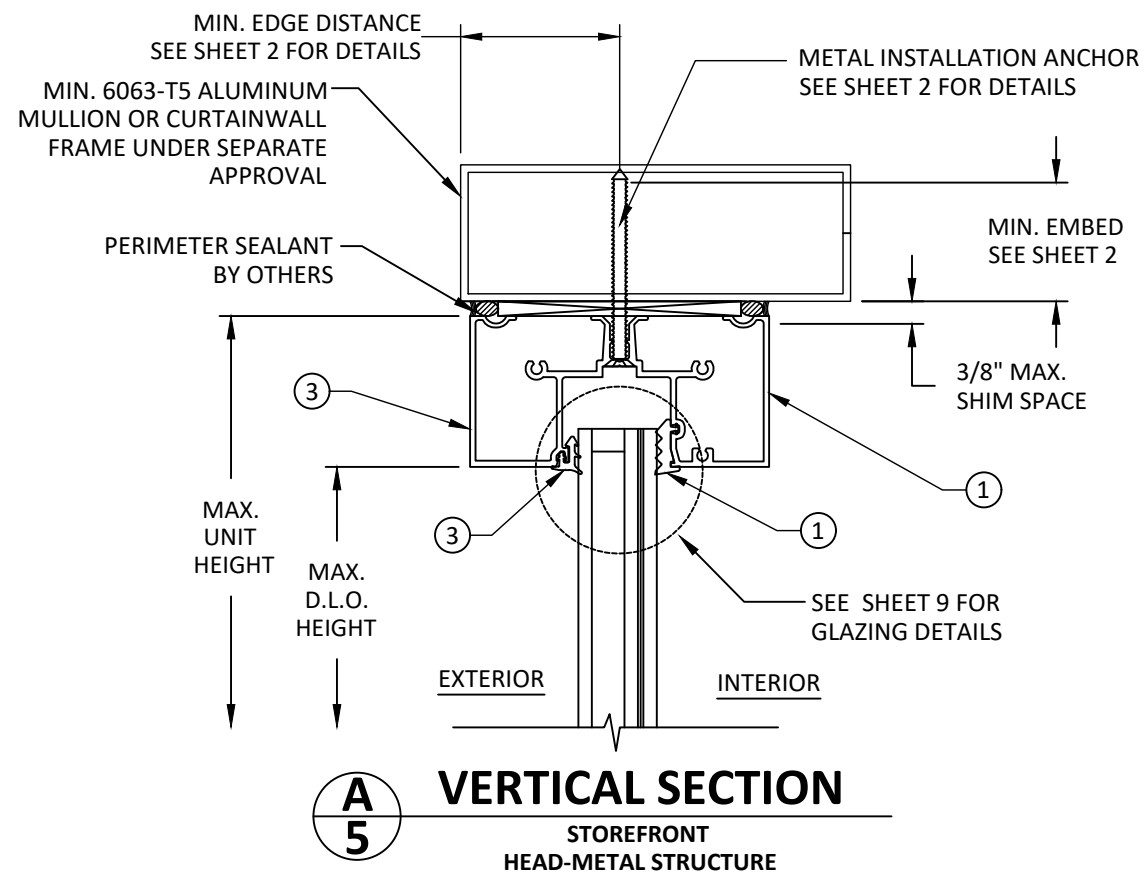
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CHK. BY: HFN

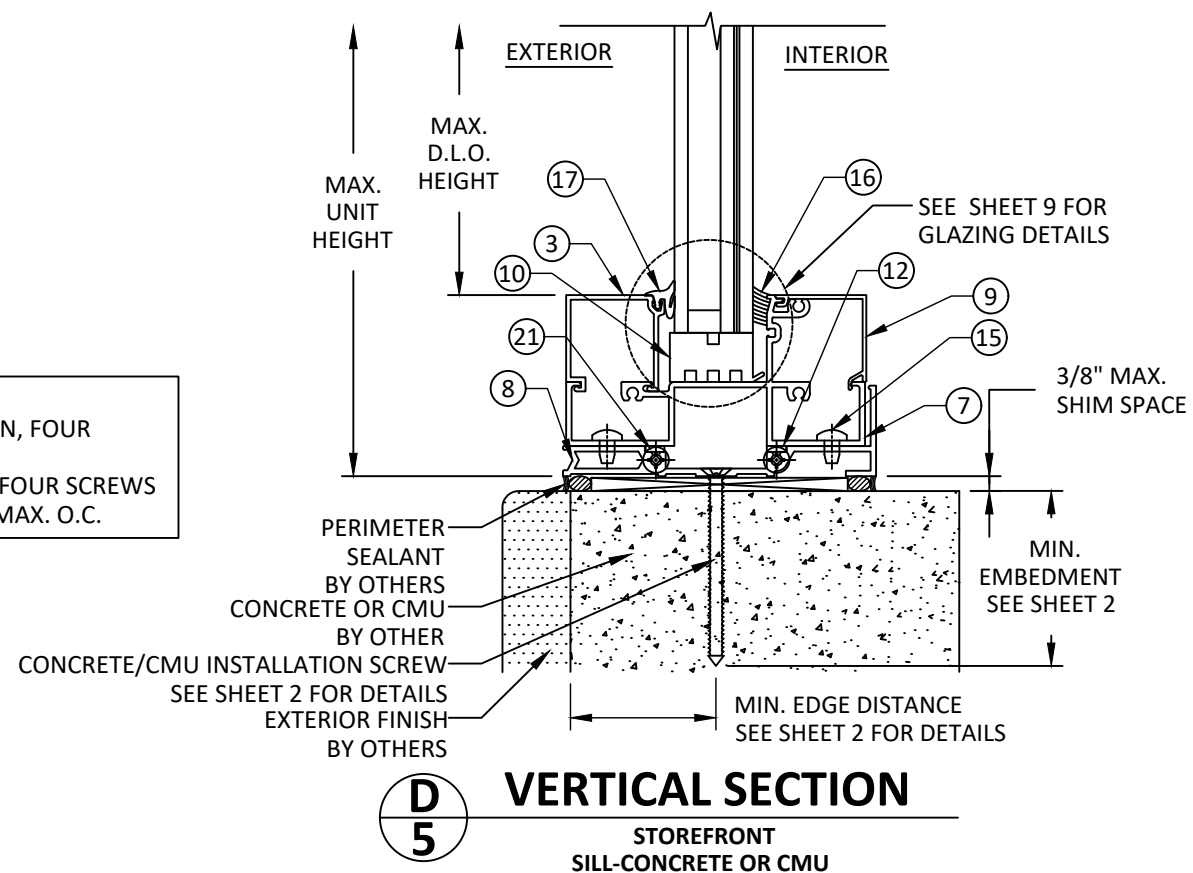
SCALE: NTS

DWG. #: KAW029

SHEET:



\* ANCHOR NOTES:  
FOR INTERMEDIATE MULLION, FOUR  
SCREWS.  
FOR DOOR JAMB MULLION, FOUR SCREWS  
4" FROM MULLION AND 4" MAX. O.C.



TITLE: IR501 STOREFRONT  
(WZ3)(IMPACT)

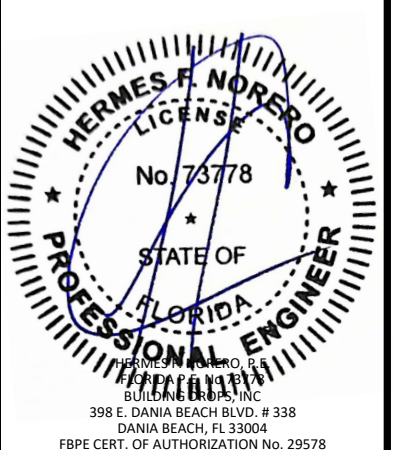
VERTICAL SECTIONS

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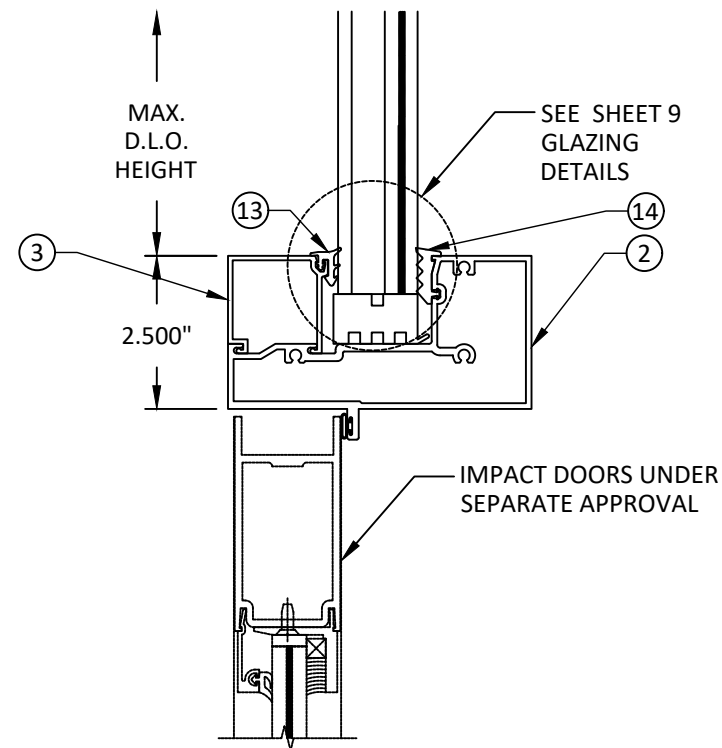
**BUILDING DROPS**

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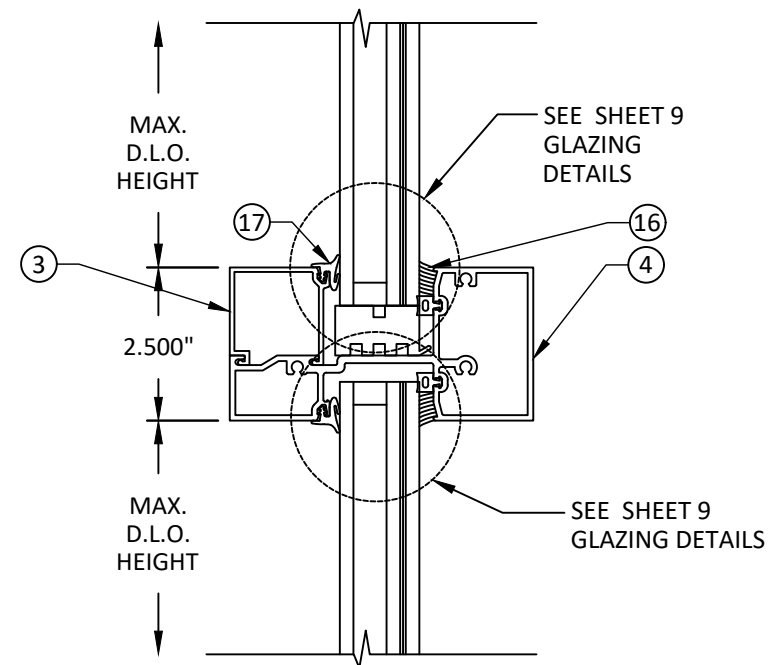
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| CHK. BY: | <b>HFN</b>      |
| SCALE:   | <b>NTS</b>      |
| DWG. #:  | <b>KAW029</b>   |
| SHEET:   | <b>5</b>        |



**A**  
**6** **VERTICAL SECTION**  
IR501 DOOR  
MAX MULL. SPAN 96"



**B**  
**6** **VERTICAL SECTION**  
HORIZONTAL MULLION  
MAX MULL. SPAN 48"



KAWNEER COMPANY

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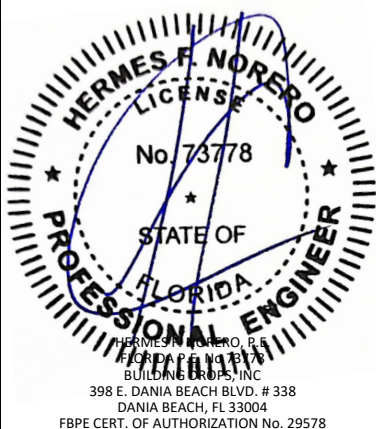
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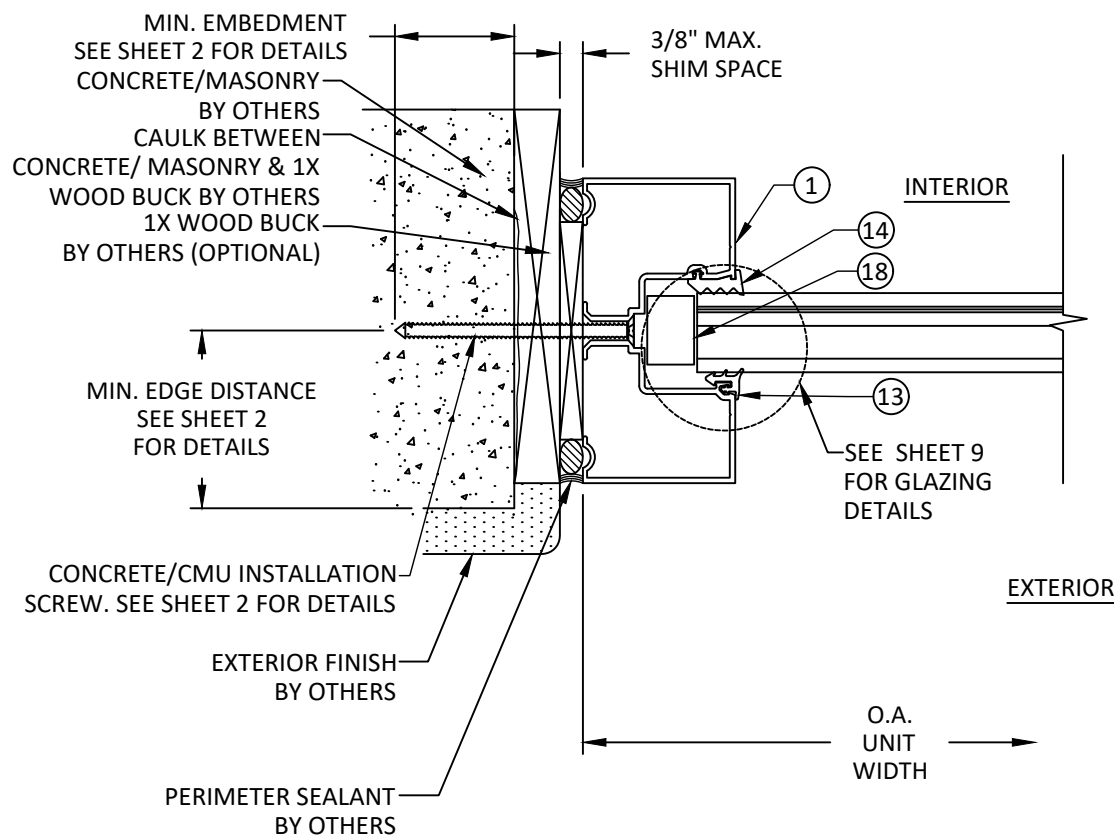


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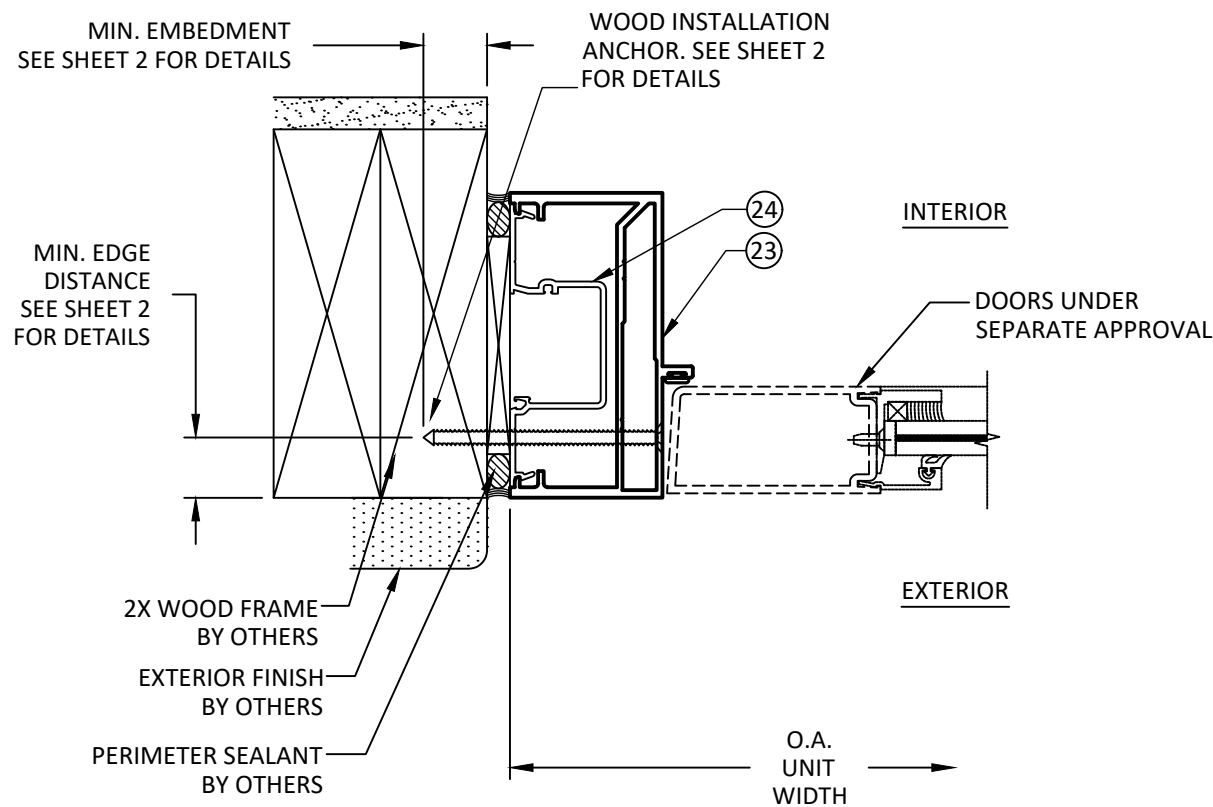
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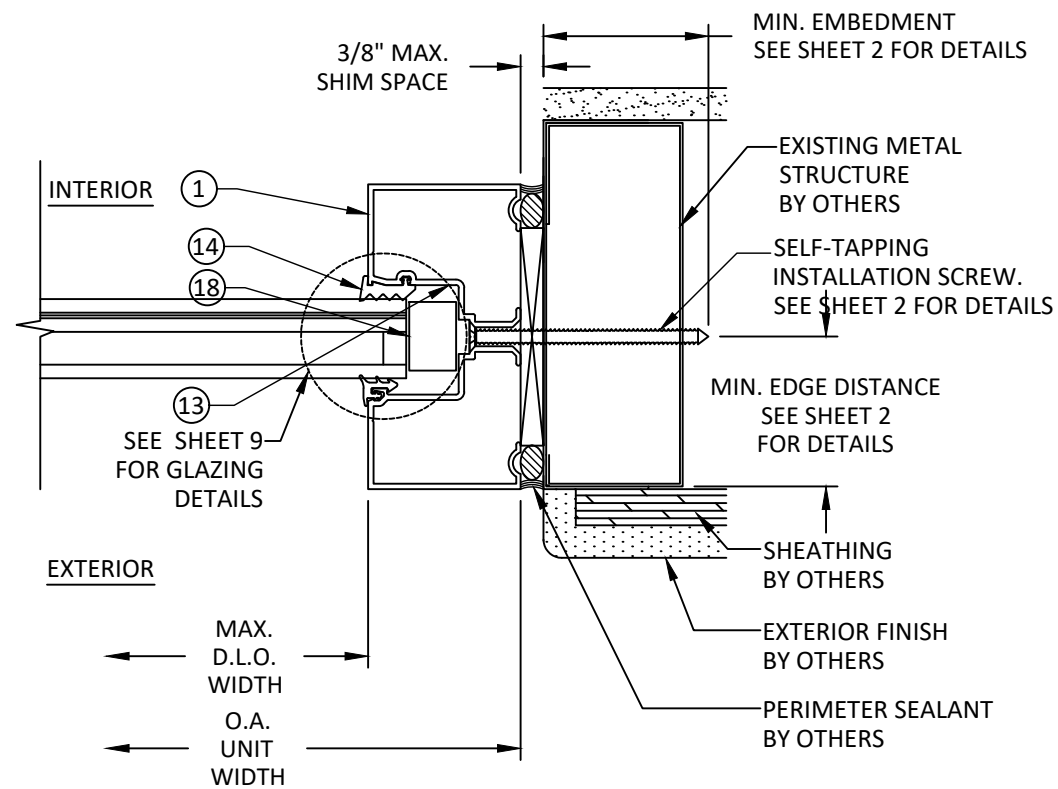
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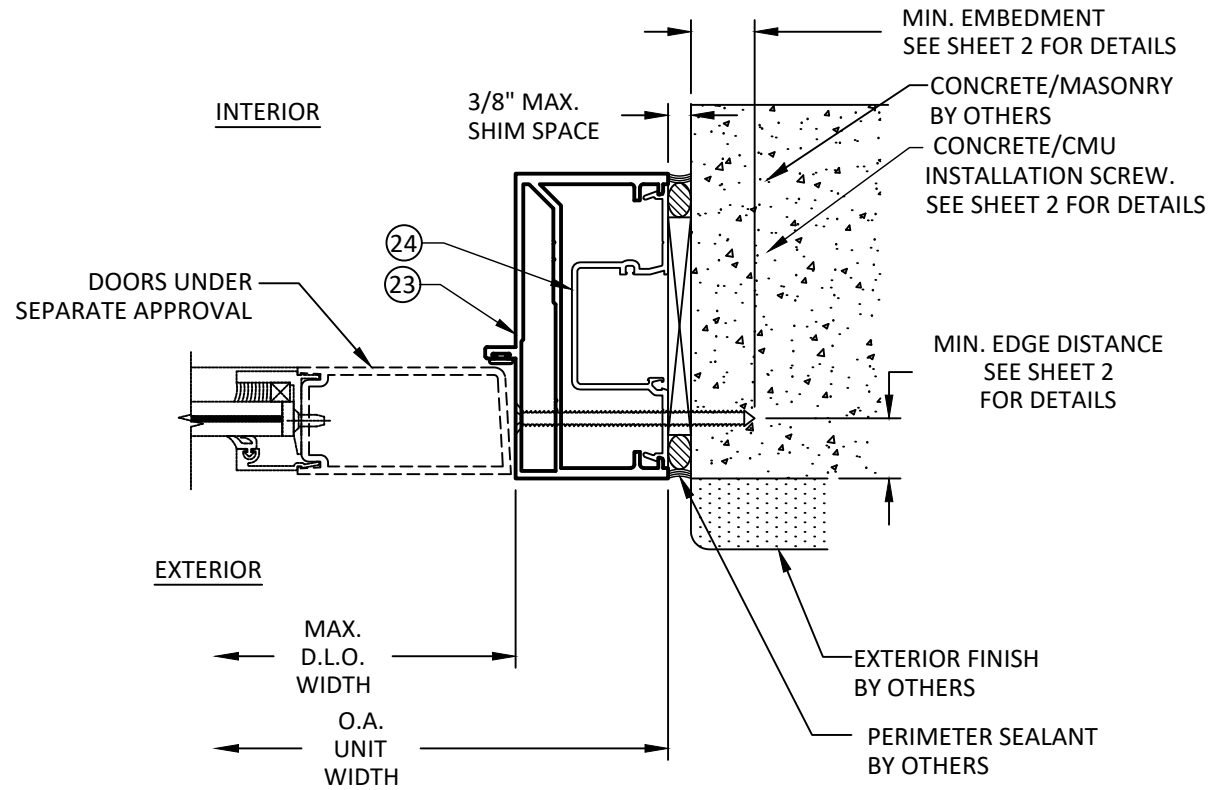
**A HORIZONTAL SECTION**  
**7** TRANSOM FRAME (THERMALLY BROKEN)  
 JAMB-CONCRETE/MASONRY



**C HORIZONTAL SECTION**  
**7** TRANSOM FRAME (NON-THERMALLY BROKEN)  
 JAMB - 2X WOOD FRAME



**B HORIZONTAL SECTION**  
**7** STOREFRONT  
 JAMB-CONCRETE/MASONRY



**D HORIZONTAL SECTION**  
**7** STOREFRONT  
 JAMB-CONCRETE/MASONRY



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HORIZONTAL SECTIONS

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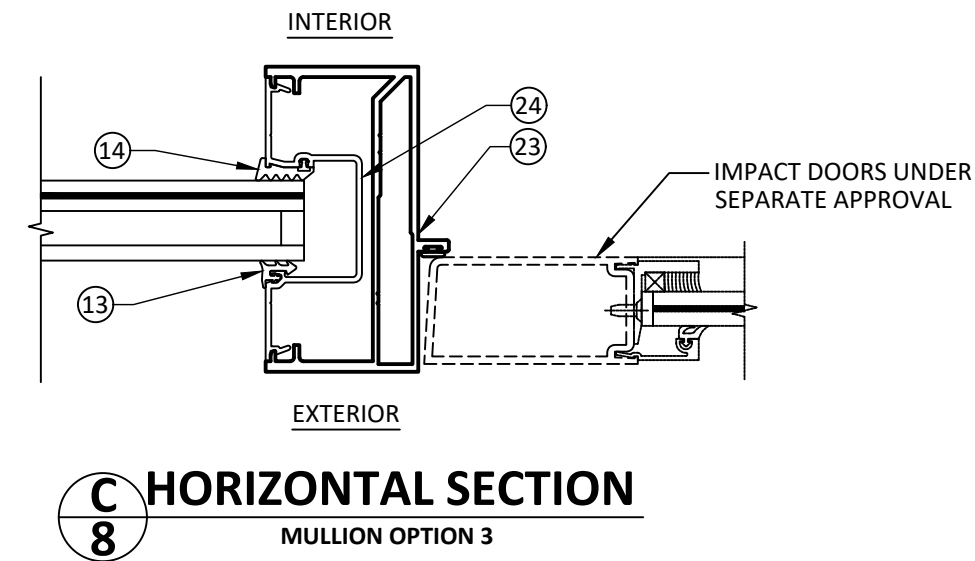
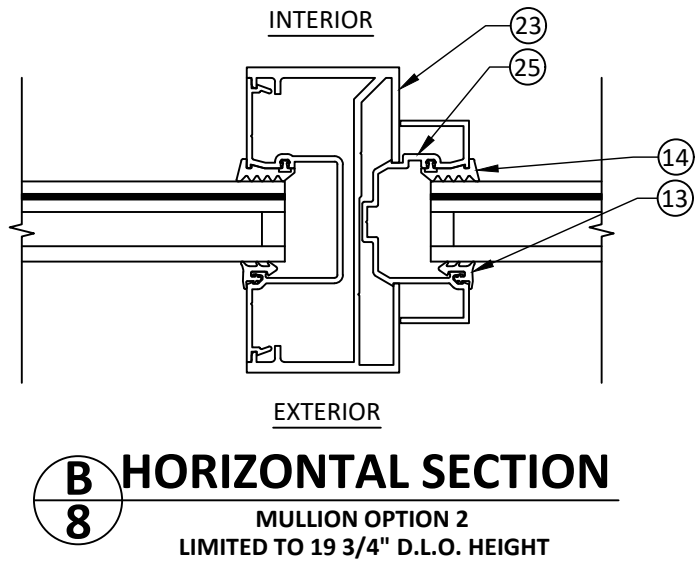
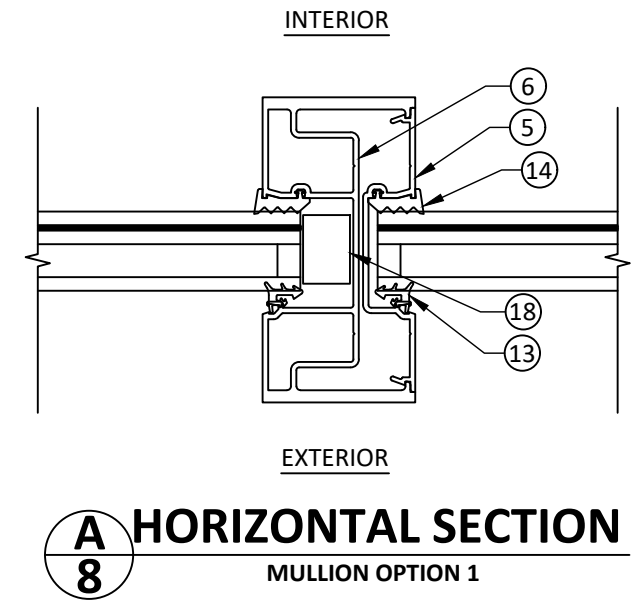
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| CHK. BY: | HFN      |
| SCALE:   | NTS      |
| DWG. #:  | KAW029   |
| SHEET:   | 7        |

| MULLION DESIGN PRESSURE RATINGS (PSF) |                         |                    |               |
|---------------------------------------|-------------------------|--------------------|---------------|
| "W" TRIBUTARY WIDTH (IN)              | "L" MULLION LENGTH (IN) | ALLOWABLE PRESSURE |               |
|                                       |                         | MULLION A          | MULLION B & C |
| 18.00                                 | 60.00                   | 70.00              | 65.00         |
| 24.00                                 |                         | 70.00              | 65.00         |
| 30.00                                 |                         | 70.00              | 65.00         |
| 37.25                                 |                         | 70.00              | 65.00         |
| 42.00                                 |                         | 70.00              | 65.00         |
| 49.25                                 |                         | 70.00              | 65.00         |
| 54.00                                 |                         | 70.00              | 65.00         |
| 61.25                                 |                         | 70.00              | 65.00         |
| 66.00                                 |                         | 70.00              | 65.00         |
| 72.00                                 |                         | 70.00              | 65.00         |
| 78.00                                 |                         | 70.00              | 65.00         |
| 84.00                                 |                         | 70.00              | 65.00         |
| 90.00                                 | 72.00                   | 70.00              | 65.00         |
| 18.00                                 |                         | 70.00              | 65.00         |
| 24.00                                 |                         | 70.00              | 65.00         |
| 30.00                                 |                         | 70.00              | 65.00         |
| 37.25                                 |                         | 70.00              | 65.00         |
| 42.00                                 |                         | 70.00              | 65.00         |
| 49.25                                 |                         | 70.00              | 65.00         |
| 54.00                                 |                         | 70.00              | 65.00         |
| 61.25                                 |                         | 70.00              | 65.00         |
| 66.00                                 |                         | 70.00              | 65.00         |
| 72.00                                 |                         | 70.00              | 65.00         |
| 78.00                                 |                         | 70.00              | 65.00         |
| 84.00                                 | 84.00                   | 70.00              | -             |
| 90.00                                 |                         | 70.00              | -             |
| 18.00                                 |                         | 70.00              | 65.00         |
| 24.00                                 |                         | 70.00              | 65.00         |
| 30.00                                 |                         | 70.00              | 65.00         |
| 37.25                                 |                         | 70.00              | 65.00         |
| 42.00                                 |                         | 70.00              | 65.00         |
| 49.25                                 |                         | 70.00              | 65.00         |
| 54.00                                 |                         | 70.00              | 65.00         |
| 61.25                                 |                         | 70.00              | 65.00         |
| 66.00                                 |                         | 70.00              | 65.00         |
| 72.00                                 |                         | 70.00              | -             |
| 78.00                                 |                         | 70.00              | -             |

| MULLION DESIGN PRESSURE RATINGS (PSF) |                         |                    |               |
|---------------------------------------|-------------------------|--------------------|---------------|
| "W" TRIBUTARY WIDTH (IN)              | "L" MULLION LENGTH (IN) | ALLOWABLE PRESSURE |               |
|                                       |                         | MULLION A          | MULLION B & C |
| 18.00                                 | 96.00                   | 70.00              | 65.00         |
| 24.00                                 |                         | 70.00              | 65.00         |
| 30.00                                 |                         | 70.00              | 65.00         |
| 37.25                                 |                         | 70.00              | 65.00         |
| 42.00                                 |                         | 70.00              | 65.00         |
| 49.25                                 |                         | 70.00              | 65.00         |
| 54.00                                 |                         | 70.00              | 65.00         |
| 61.25                                 |                         | 70.00              | 65.00         |
| 66.00                                 |                         | 70.00              | -             |
| 18.00                                 | 108.00                  | 70.00              | 65.00         |
| 24.00                                 |                         | 70.00              | 65.00         |
| 30.00                                 |                         | 70.00              | 65.00         |
| 37.25                                 |                         | 70.00              | 65.00         |
| 42.00                                 |                         | 70.00              | 65.00         |
| 49.25                                 |                         | 70.00              | 65.00         |
| 54.00                                 |                         | 70.00              | 65.00         |
| 61.25                                 |                         | 70.00              | -             |
| 18.00                                 | 120.00                  | 70.00              | 65.00         |
| 24.00                                 |                         | 70.00              | 65.00         |
| 30.00                                 |                         | 70.00              | 65.00         |
| 37.25                                 |                         | 70.00              | 65.00         |
| 42.00                                 |                         | 68.47              | 65.00         |
| 49.25                                 |                         | 65.00              | 65.00         |
| 54.00                                 |                         | 55.04              | -             |
| 18.00                                 | 132.00                  | 70.00              | 65.00         |
| 24.00                                 |                         | 70.00              | 65.00         |
| 30.00                                 |                         | 70.00              | 65.00         |
| 37.25                                 |                         | 69.91              | 65.00         |
| 42.00                                 |                         | 65.00              | 65.00         |
| 49.25                                 |                         | 54.37              | -             |
| 18.00                                 | 144.00                  | 70.00              | 65.00         |
| 24.00                                 |                         | 70.00              | 65.00         |
| 30.00                                 |                         | 65.00              | 65.00         |
| 37.25                                 |                         | 57.46              | 57.46         |
| 42.00                                 |                         | 51.39              | 51.39         |
| 18.00                                 | 156.00                  | 70.00              | 65.00         |
| 24.00                                 |                         | 65.00              | 65.00         |
| 30.00                                 |                         | 54.55              | 54.55         |
| 37.25                                 |                         | 44.33              | 44.33         |
| 42.00                                 |                         | 36.25              | -             |



TITLE: IR501 STOREFRONT (WZ3)(IMPACT)

MULLION DESIGN PRESSURE TABLES

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

BUILDING DROPS

| REMARKS                                                                                                                                                                                                                                                                                                    | BY | DATE |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|------|
|                                                                                                                                                                                                                                                                                                            |    |      |
|                                                                                                                                                                                                                                                                                                            |    |      |
|                                                                                                                                                                                                                                                                                                            |    |      |
|                                                                                                                                                                                                                                                                                                            |    |      |
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HERMES F. NORERO, P.E.  
BUILDING DROPS, INC.  
398 E. DANIA BEACH BLVD. # 338  
DANIA BEACH, FL 33004  
FBPE CERT. OF AUTHORIZATION No. 29578

FL #: FL41685

DATE: 09.21.23

DWG. BY: DI      CHK. BY: HFN

SCALE: NTS

DWG. #: KAW029

SHEET: 8

| ANCHOR LOAD CAPACITY - PSF<br>EXT. (+) & INT (-) |                              |                 |      |                 |      |
|--------------------------------------------------|------------------------------|-----------------|------|-----------------|------|
| NOMINAL DIMS.                                    |                              | ANCHOR TYPE 'A' |      | ANCHOR TYPE 'B' |      |
| TRIBUTARY<br>WIDTH<br>'W' (in.)                  | FRAME<br>HEIGHT<br>'H' (in.) | A4              | A6   | B4              | B6   |
| 18.00                                            | 60                           | 70.0            | 70.0 | 70.0            | 70.0 |
| 24.00                                            |                              | 70.0            | 70.0 | 70.0            | 70.0 |
| 30.00                                            |                              | 70.0            | 70.0 | 70.0            | 70.0 |
| 37.25                                            |                              | 70.0            | 70.0 | 70.0            | 70.0 |
| 42.00                                            |                              | 70.0            | 70.0 | 70.0            | 70.0 |
| 49.25                                            |                              | 65.7            | 70.0 | 63.2            | 70.0 |
| 54.00                                            |                              | 59.9            | 70.0 | 57.7            | 70.0 |
| 61.25                                            |                              | 52.9            | 70.0 | 50.8            | 70.0 |
| 66.00                                            |                              | 49.0            | 70.0 | 47.2            | 70.0 |
| 72.00                                            |                              | 45.0            | 67.4 | 43.3            | 64.9 |
| 78.00                                            |                              | 41.5            | 62.3 | 39.9            | 59.9 |
| 84.00                                            |                              | 38.5            | 57.8 | 37.1            | 55.6 |
| 90.00                                            |                              | 36.0            | 54.0 | 34.6            | 51.9 |
| 18.00                                            | 72                           | 70.0            | 70.0 | 70.0            | 70.0 |
| 24.00                                            |                              | 70.0            | 70.0 | 70.0            | 70.0 |
| 30.00                                            |                              | 70.0            | 70.0 | 70.0            | 70.0 |
| 37.25                                            |                              | 70.0            | 70.0 | 69.7            | 70.0 |
| 42.00                                            |                              | 64.2            | 70.0 | 61.8            | 70.0 |
| 49.25                                            |                              | 54.8            | 70.0 | 52.7            | 70.0 |
| 54.00                                            |                              | 50.0            | 70.0 | 48.1            | 70.0 |
| 61.25                                            |                              | 44.0            | 66.1 | 42.4            | 63.6 |
| 66.00                                            |                              | 40.9            | 61.3 | 39.3            | 59.0 |
| 72.00                                            |                              | 37.5            | 56.2 | 36.0            | 54.1 |
| 78.00                                            |                              | 34.6            | 51.9 | 33.3            | 49.9 |
| 84.00                                            |                              | 32.1            | 48.2 | 30.9            | 46.3 |
| 90.00                                            |                              | 30.0            | 45.0 | 28.8            | 43.3 |
| 18.00                                            | 84                           | 70.0            | 70.0 | 70.0            | 70.0 |
| 24.00                                            |                              | 70.0            | 70.0 | 70.0            | 70.0 |
| 30.00                                            |                              | 70.0            | 70.0 | 70.0            | 70.0 |
| 37.25                                            |                              | 62.1            | 70.0 | 59.7            | 70.0 |
| 42.00                                            |                              | 55.1            | 70.0 | 53.0            | 70.0 |
| 49.25                                            |                              | 46.9            | 70.0 | 45.2            | 67.7 |
| 54.00                                            |                              | 42.8            | 64.2 | 41.2            | 61.8 |
| 61.25                                            |                              | 37.8            | 56.6 | 36.3            | 54.5 |
| 66.00                                            |                              | 35.0            | 52.6 | 33.7            | 50.6 |
| 72.00                                            |                              | 32.1            | 48.2 | 30.9            | 46.3 |
| 78.00                                            |                              | 29.6            | 44.5 | 28.5            | 42.8 |

| ANCHOR LOAD CAPACITY - PSF<br>EXT. (+) & INT (-) |                              |                 |      |                 |      |
|--------------------------------------------------|------------------------------|-----------------|------|-----------------|------|
| NOMINAL DIMS.                                    |                              | ANCHOR TYPE 'A' |      | ANCHOR TYPE 'B' |      |
| TRIBUTARY<br>WIDTH<br>'W' (in.)                  | FRAME<br>HEIGHT<br>'H' (in.) | A4              | A6   | B4              | B6   |
| 18.00                                            | 96                           | 70.0            | 70.0 | 70.0            | 70.0 |
| 24.00                                            |                              | 70.0            | 70.0 | 70.0            | 70.0 |
| 30.00                                            |                              | 67.4            | 70.0 | 64.9            | 70.0 |
| 37.25                                            |                              | 54.3            | 70.0 | 52.3            | 70.0 |
| 42.00                                            |                              | 48.2            | 70.0 | 46.3            | 69.5 |
| 49.25                                            |                              | 41.1            | 61.6 | 39.5            | 59.3 |
| 54.00                                            |                              | 37.5            | 56.2 | 36.0            | 54.1 |
| 61.25                                            |                              | 33.0            | 49.5 | 31.8            | 47.7 |
| 66.00                                            |                              | 30.7            | 46.0 | 29.5            | 44.2 |
| 18.00                                            | 108                          | 70.0            | 70.0 | 70.0            | 70.0 |
| 24.00                                            |                              | 70.0            | 70.0 | 70.0            | 70.0 |
| 30.00                                            |                              | 59.9            | 70.0 | 57.7            | 70.0 |
| 37.25                                            |                              | 48.3            | 70.0 | 46.4            | 69.7 |
| 42.00                                            |                              | 42.8            | 64.2 | 41.2            | 61.8 |
| 49.25                                            |                              | 36.5            | 54.8 | 35.1            | 52.7 |
| 54.00                                            |                              | 33.3            | 50.0 | 32.0            | 48.1 |
| 61.25                                            |                              | 29.4            | 44.0 | 28.2            | 42.4 |
| 18.00                                            | 120                          | 70.0            | 70.0 | 70.0            | 70.0 |
| 24.00                                            |                              | 67.4            | 70.0 | 64.9            | 70.0 |
| 30.00                                            |                              | 54.0            | 70.0 | 51.9            | 70.0 |
| 37.25                                            |                              | 43.5            | 65.2 | 41.8            | 62.7 |
| 42.00                                            |                              | 38.5            | 57.8 | 37.1            | 55.6 |
| 49.25                                            |                              | 32.9            | 49.3 | 31.6            | 47.4 |
| 54.00                                            |                              | 30.0            | 45.0 | 28.8            | 43.3 |

| ANCHOR LOAD CAPACITY - PSF<br>EXT. (+) & INT (-) |                              |                 |      |                 |      |
|--------------------------------------------------|------------------------------|-----------------|------|-----------------|------|
| NOMINAL DIMS.                                    |                              | ANCHOR TYPE 'A' |      | ANCHOR TYPE 'B' |      |
| TRIBUTARY<br>WIDTH<br>'W' (in.)                  | FRAME<br>HEIGHT<br>'H' (in.) | A4              | A6   | B4              | B6   |
| 18.00                                            | 132                          | 70.0            | 70.0 | 70.0            | 70.0 |
| 24.00                                            |                              | 61.3            | 70.0 | 59.0            | 70.0 |
| 30.00                                            |                              | 49.0            | 70.0 | 47.2            | 70.0 |
| 37.25                                            |                              | 39.5            | 59.3 | 38.0            | 57.0 |
| 42.00                                            |                              | 35.0            | 52.6 | 33.7            | 50.6 |
| 49.25                                            |                              | 29.9            | 44.8 | 28.7            | 43.1 |
| 18.00                                            | 144                          | 70.0            | 70.0 | 70.0            | 70.0 |
| 24.00                                            |                              | 56.2            | 70.0 | 54.1            | 70.0 |
| 30.00                                            |                              | 45.0            | 67.4 | 43.3            | 64.9 |
| 37.25                                            |                              | 36.2            | 54.3 | 34.8            | 52.3 |
| 42.00                                            | 156                          | 32.1            | 48.2 | 30.9            | 46.3 |
| 18.00                                            |                              | 69.2            | 70.0 | 66.5            | 70.0 |
| 24.00                                            |                              | 51.9            | 70.0 | 49.9            | 70.0 |
| 30.00                                            |                              | 41.5            | 62.3 | 39.9            | 59.9 |
| 37.25                                            |                              | 33.4            | 50.1 | 32.2            | 48.2 |
| 42.00                                            |                              | 29.6            | 44.5 | 28.5            | 42.8 |



KAWNEER COMPANY

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

TITLE: IR501 STOREFRONT  
(WZ3)(IMPACT)

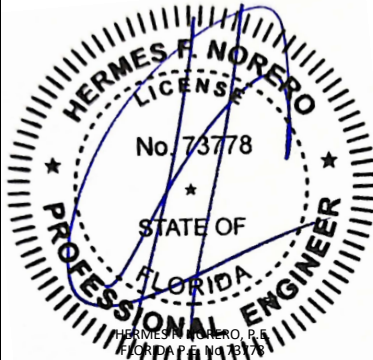
ANCHOR  
PRESSURE TABLES

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

BUILDING DROPS

| 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.  
398 E. DANIA BEACH BLVD. # 338  
DANIA BEACH, FL 33004  
FBPE CERT. OF AUTHORIZATION No. 29578

FL #:  
**FL41685**

DATE:  
**09.21.23**

DWG. BY:  
**DI**

CHK. BY:  
**HFN**

SCALE:  
**NTS**

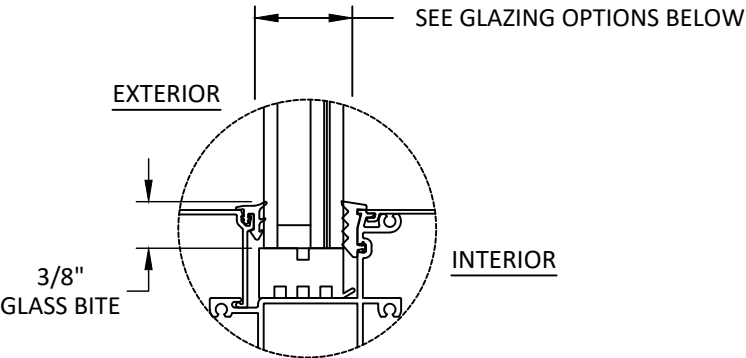
DWG. #:  
**KAW029**

SHEET:  

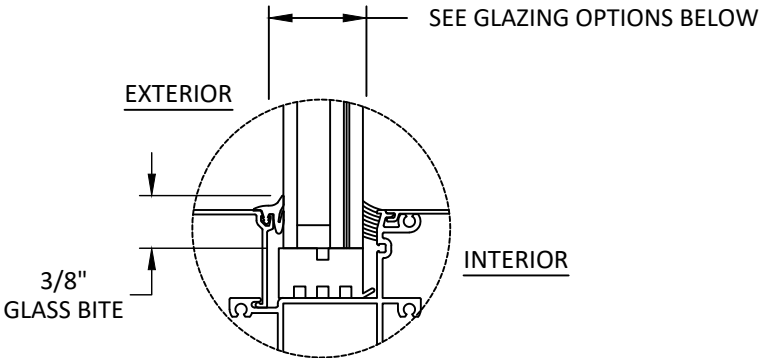
9

OF 10

| GLASS LOAD CAPACITY (PSF) |               |                      |
|---------------------------|---------------|----------------------|
| D.L.O. WIDTH              | D.L.O. HEIGHT | GLASS OPTION 1 AND 2 |
| 26.00                     | 72.00         | 70.00                |
| 32.00                     |               | 70.00                |
| 38.00                     |               | 70.00                |
| 44.00                     |               | 70.00                |
| 50.00                     |               | 70.00                |
| 56.00                     |               | 70.00                |
| 62.00                     | 84.00         | 67.74                |
| 68.00                     |               | 70.00                |
| 74.00                     |               | 70.00                |
| 80.00                     |               | 70.00                |
| 86.00                     |               | 70.00                |
| 92.00                     |               | 70.00                |
| 98.00                     | 96.00         | 70.00                |
| 104.00                    |               | 67.74                |
| 110.00                    |               | 70.00                |
| 116.00                    |               | 70.00                |
| 122.00                    |               | 70.00                |
| 128.00                    |               | 70.00                |
| 134.00                    | 108.00        | 70.00                |
| 140.00                    |               | 70.00                |
| 146.00                    |               | 67.74                |
| 152.00                    |               | 70.00                |
| 158.00                    |               | 70.00                |
| 164.00                    |               | 70.00                |
| 170.00                    | 120.00        | 70.00                |
| 176.00                    |               | 70.00                |
| 182.00                    |               | 70.00                |
| 188.00                    |               | 67.34                |
| 194.00                    |               | 70.00                |
| 200.00                    |               | 70.00                |
| 206.00                    | 120.00        | 70.00                |
| 212.00                    |               | 70.00                |
| 218.00                    |               | 70.00                |
| 224.00                    |               | 69.33                |
| 230.00                    |               | 64.73                |



**GLAZING DETAIL A**  
DRY GLAZED



**GLAZING DETAIL B**  
WET GLAZED

**GLAZING OPTIONS :**

- A. 1-5/16" IG LAMINATED GLASS CONSISTING OF:

  - 1/4" TEMPERED GLASS
  - 1/2" ALUMINUM SPACER
  - 1/4" TEMPERED GLASS
  - 0.090" PVB INTERLAYER BY KURARAY
  - 1/4" HEAT STRENGTHENED
- B. 1-5/16" IG LAMINATED GLASS CONSISTING OF:

  - 1/4" TEMPERED GLASS
  - 1/2" ALUMINUM SPACER
  - 1/4" TEMPERED GLASS
  - 0.090" SAFLEX PVB BY EASTMAN
  - 1/4" HEAT STRENGTHENED

**GLAZING NOTES:**

- GLASS TYPE AND THICKNESS COMPLY WITH ASTM E1300 REQUIREMENTS AS WELL AS APPLICABLE SAFETY GLAZING REQUIREMENTS PER THE FBC. THICKNESS, TEMPER, AND SAFETY GLAZING REQUIREMENTS SHALL BE REVIEWED ON A SITE SPECIFIC BASIS.
- SETTING BLOCK DUROMETER HARDNESS OF 70-90 (SHORE A) AS REFERENCED IN FBC CHAPTER 24.
- SETTING BLOCKS TO BE LOCATED AT 1/4 SPAN LENGTH FOR GLASS WIDER THAN 36" AS PER FBC CHAPTER 24.
- D.L.O. MAY NOT EXCEED MAX DIMENSIONS SHOWN ON ELEVATIONS.



KAWNEER COMPANY

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

TITLE: IR501 STOREFRONT  
(WZ3)(IMPACT)

GLAZING DETAILS

PREPARED BY: BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338  
DANIA BEACH, FL 33004  
PH: (954)399-8478  
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| REMARKS | BY | DATE |
|---------|----|------|
|         |    |      |
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|         |    |      |
|         |    |      |

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FL #: **FL41685**

DATE: **09.21.23**

DWG. BY: **DI**      CHK. BY: **HFN**

SCALE: **NTS**

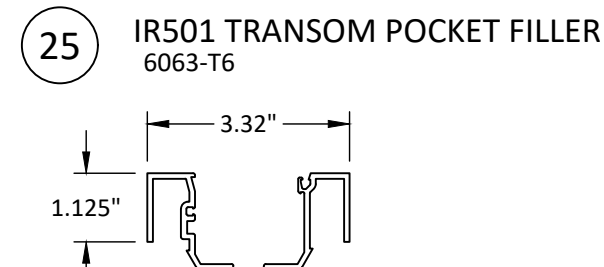
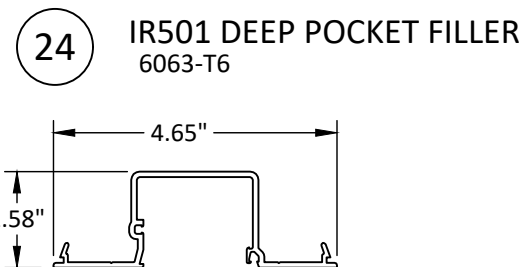
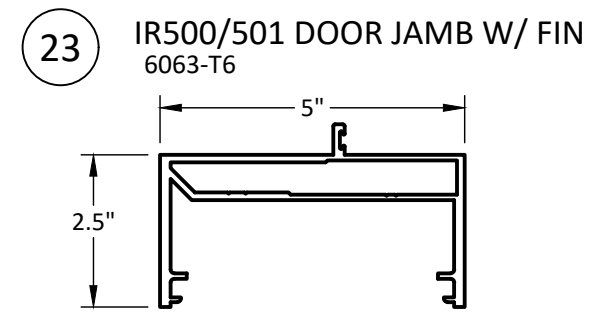
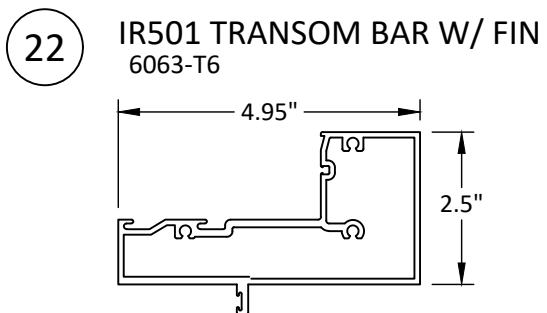
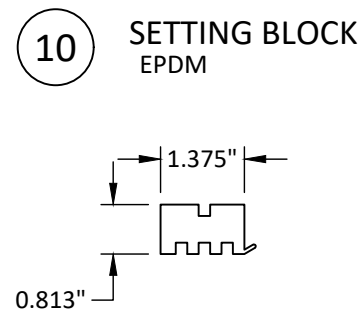
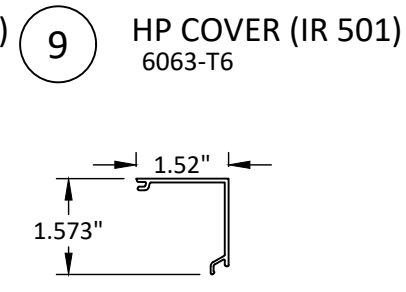
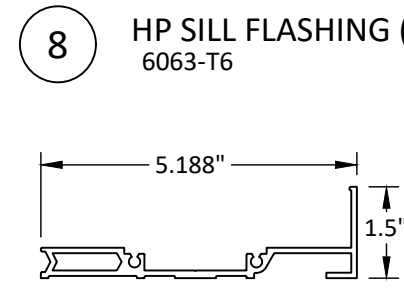
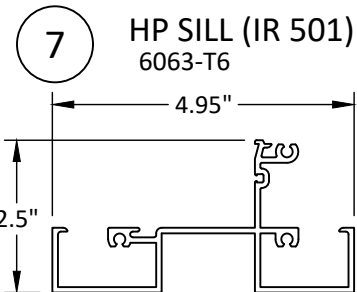
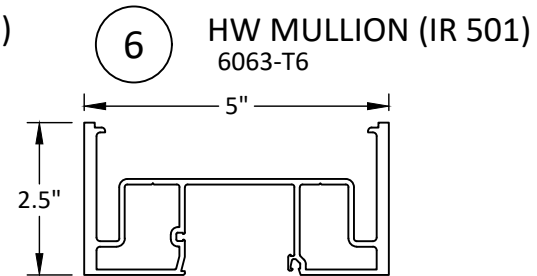
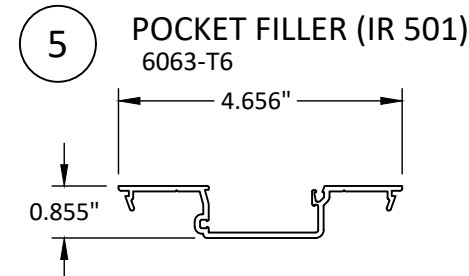
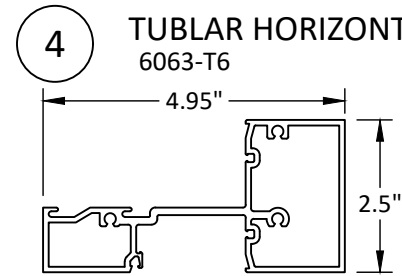
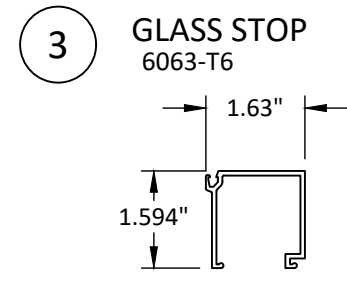
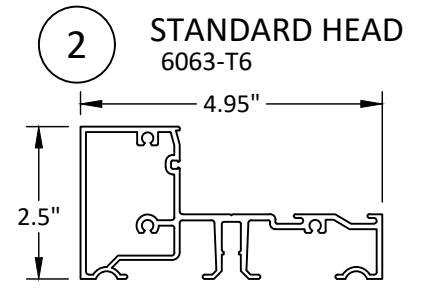
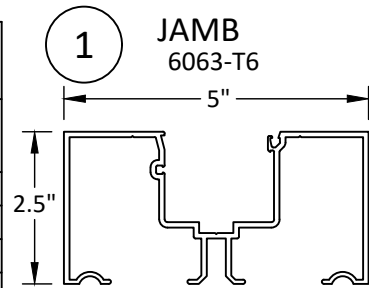
DWG. #: **KAW029**

SHEET:

**10**

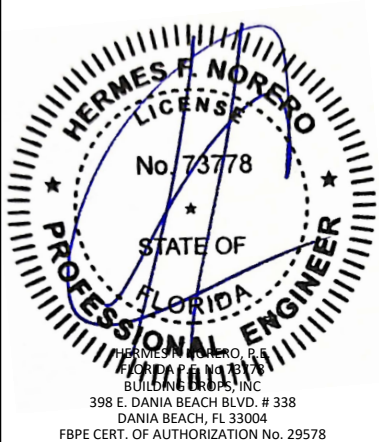
OF 10

| BILL OF MATERIAL |          |                                                |                            |
|------------------|----------|------------------------------------------------|----------------------------|
| ID NO.           | PART NO. | DESCRIPTION                                    | MATERIAL                   |
| 1                | 575101   | JAMB                                           | 6063-T6 ALUMINUM           |
| 2                | 575103   | STANDARD HEAD                                  | 6063-T6 ALUMINUM           |
| 3                | 575104   | GLASS STOP                                     | 6063-T6 ALUMINUM           |
| 4                | 575115   | TUBLAR HORIZONTAL                              | 6063-T6 ALUMINUM           |
| 5                | 575102   | POCKET FILLER (IR501)                          | 6063-T6 ALUMINUM           |
| 6                | 575116   | HW MULLION (IR501)                             | 6063-T6 ALUMINUM           |
| 7                | 575158   | HP SILL (IR 501)                               | 6063-T6 ALUMINUM           |
| 8                | 575157   | HP SILL FLASHING (IR 501)                      | 6063-T6 ALUMINUM           |
| 9                | 575159   | HP COVER (IR 501)                              | 6063-T6 ALUMINUM           |
| 10               | 127070   | SETTING BLOCK (IR 501)                         | EPDM                       |
| 11               | 451105   | WATER DEFLECTOR (IR 501)                       | RIGID PVC                  |
| 12               | 127120   | SILL TO SILL FLASHING FOAM TAPE                | CCN SPONGE                 |
| 13               | 127127   | EXTERIOR PUSH-IN GASKET - SMI & LMI DRY GLAZED | EPDM                       |
| 14               | 127121   | INTERIOR FIXED GASKET - SMI & LMI DRY GLAZED   | EPDM                       |
| 15               | 128192   | SILL TO SILL FLASHING ATTACHMENT FASTENER      | 430 SERIES STAINLESS STEEL |
| 16               | 127191   | PUSH-IN SPACER                                 | SAN TOPRENE                |
| 17               | 027074   | EXTERIOR FIXED GASKET                          | EPDM                       |
| 18               | 422434   | W-BLOCK                                        | EPDM                       |
| 19               | 128267   | SCREW SPLINE FASTENER                          | STAINLESS STEEL            |
| 20               | 575208   | END DAM                                        | 6063-T6 ALUMINUM           |
| 21               | 128271   | END DAM FASTENER                               | STAINLESS STEEL            |
| 22               | 575122   | IR 501 TRANSOM BAR W/ FIN                      | 6063-T6 ALUMINUM           |
| 23               | 575051   | IR500/501 DOOR JAMB W/ FIN                     | 6063-T6 ALUMINUM           |
| 24               | 575135   | IR501 DEEP POCKET FILLER                       | 6063-T6 ALUMINUM           |
| 25               | 575133   | IR501 TRANSOM POCKET FILLER                    | 6063-T6 ALUMINUM           |



| 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 #:    | FL41685  |
| DATE:    | 09.21.23 |
| DWG. BY: | DI       |
| CHK. BY: | HFN      |
| SCALE:   | NTS      |
| DWG. #:  | KAW029   |
| SHEET:   | 11       |