

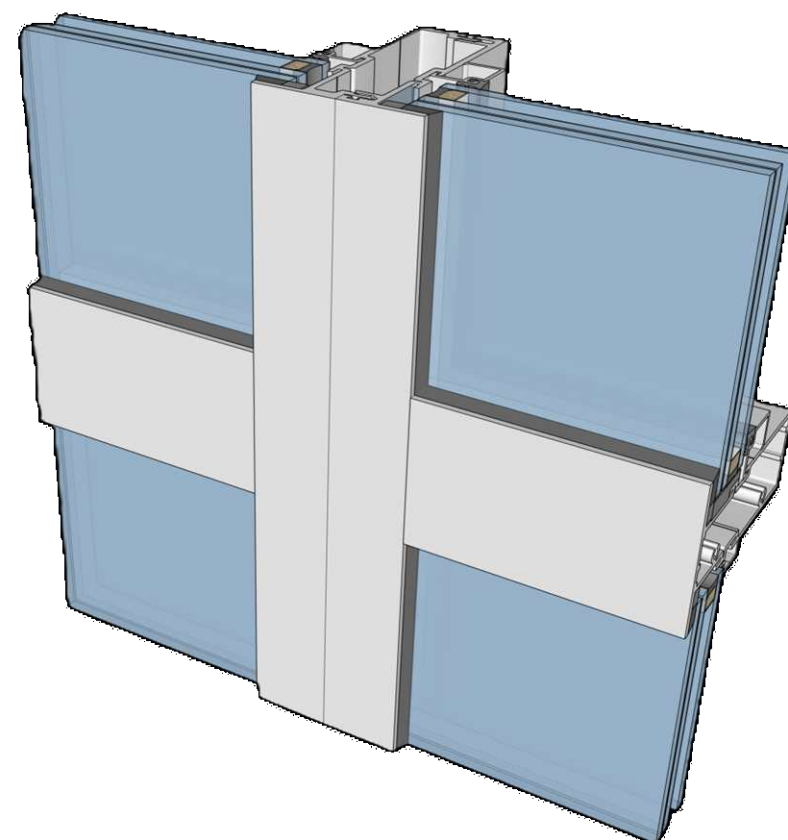
# TRULITE GLASS & ALUMINUM SOLUTIONS

## 3300 IMPACT RESISTANT STOREFRONT SYSTEM

### WITH MULTIPLE INFILLS (MISSILE LEVEL 'D' & 'E' - HVHZ)

#### GENERAL NOTES:

1. THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 8TH EDITION (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ) AND HAS BEEN TESTED TO THE FOLLOWING STANDARDS:
  - TAS 201-94 (ASTM E283, ASTM E330, ASTM E331 )
  - TAS 202-94 (ASTM 1996)
  - TAS 203-94 (ASTM E 1886)
2. SERIES 3300 RESISTOR ALUMINUM STOREFRONT SYSTEM WAS TESTED TO COMPLY UP TO MISSILE LEVEL 'E' (80ft/sec) IMPACT AND QUALIFIED FOR USE ON ESSENTIAL FACILITIES
3. THIS STOREFRONT SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.
4. CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.
5. THE MAIN STRUCTURE WHERE THIS STOREFRONT SYSTEM WILL BE INSTALLED MUST BE CAPABLE OF SUPPORTING ALL THE LOADS IMPOSED BY THIS STOREFRONT SYSTEM.
6. ANCHORS SHALL BE AS LISTED. SPACED AS SHOWN ON DETAILS. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS REQUIRED. ANCHOR EMBEDMENT TO BASE MATERIAL SHALL BE BEYOND WALL DRESSING OR STUCCO. FOR INSTALLATION THROUGH METAL FRAME, PROVIDE 3 THREADS MINIMUM PENETRATION BEYOND METAL FRAME SUBSTRATE. FOR GROUTED FILLED BLOCK (CMU), DO NOT INSTALL ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS REFERENCED FROM FREE EDGE OF BLOCK OR EDGE OF MORTAR JOINT IN FACE SHELL OF BLOCK. INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS.
7. INSTALLATION ANCHORS MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
8. MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BUILDING CODE & ADAPTED STANDARDS.
9. ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.
10. A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.



11. ULTIMATE LOAD OBTAINED FROM APPLICABLE ASCE 7 STANDARD MULTIPLY BY 0.6 SHALL BE LESS THAN OR EQUAL TO MAX. DESIGN LOAD IN THIS DOCUMENT. THE DESIGN LOADS SHOWN IN THIS DOCUMENT ARE ALLOWABLE DESIGN LOADS.

#### INSTRUCTIONS FOR USE:

1. DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BLDG. HEIGHT & WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
2. SEE TABLE ON SHEET 3 FOR DESIGN LOAD CAPACITY OF DESIRED GLASS SIZE.
3. CHECK MULLION AND JAMB CAPACITY FOR A GIVEN SPACING AND HEIGHT USING TABLES ON SHEETS 7 TO 10. THE CAPACITY SHOULD BE EQUAL OR GREATER THAN THE DESIGN LOAD.
4. SEE SHEETS 12 TO 15 FOR ANCHOR TYPE & CAPACITY. ANCHOR CAPACITY SHALL BE EQUAL OR GREATER THAN THE DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
5. THE LOWEST VALUE RESULTING FROM STEP 2,3 AND 4 SHALL APPLY TO ENTIRE SYSTEM.

#### ABBREVIATIONS:

|                                  |                                |
|----------------------------------|--------------------------------|
| DLO or D.L.O. - DAYLIGHT OPENING | H.S. - HEAT STRENGTHENED       |
| TYP. - TYPICAL                   | TEMP. - TEMPERED               |
| FH - FRAME HEIGHT                | FPA - FLORIDA PRODUCT APPROVAL |
| DOW - DOOR OPENING WIDTH         | TBL. - TABLE                   |
| DOH - DOOR OPENING HEIGHT        | SHT. - SHEET                   |
| DP - DESIGN PRESSURE             |                                |
| NTS - NOT TO SCALE               |                                |
| W - WIDTH                        |                                |
| H - HEIGHT                       |                                |
| DP - DESIGN PRESSURE             |                                |
| SLW - SIDELITE WIDTH             |                                |
| O.C.- ON CENTER                  |                                |

#### LIMITATION OF USE

- A. THIS FLORIDA PRODUCT APPROVAL (FPA) DOCUMENT IS GENERIC AND DOES NOT PROVIDE INFORMATION ABOUT A SITE SPECIFIC PROJECT OR WHERE THE SITE CONDITIONS DEVIATE FROM THIS DOCUMENT.
- B. FOR CONDITIONS THAT DEVIATE FROM THE FLORIDA PRODUCT APPROVAL DOCUMENT, THIS SHALL BE REVIEWED BY A FLORIDA REGISTERED ENGINEER OR ARCHITECT WHICH WILL BECOME THE ENGINEER OF RECORD FOR THE PROJECT.



<http://www.trulite.com>

1750 Founders Pkwy, Suite. 154,  
Alpharetta GA, 30009  
p. 800-432-8132

#### PRODUCT:

## 3300 Impact Storefront System

### HVHZ - LMI

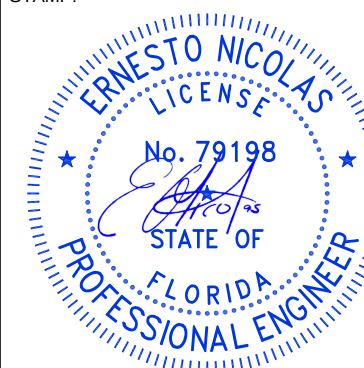
| REVN. | DATE / REMARKS                                              |
|-------|-------------------------------------------------------------|
| 1     | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
| 2     | 01/29/2026: 6" DEEP MULLION OPTION & UNREINF DR. JAMB QUAL. |
|       |                                                             |

#### ENGINEER:



950 SW 135th Way Sunrise,  
FL 33325 P. 786 474 3876  
Email: [en3.engconsul@gmail.com](mailto:en3.engconsul@gmail.com)

#### STAMP:



#### FLORIDA PRODUCT APPROVAL:

# FL46133

DATE: DEC. 15, 2023

|                    |               |
|--------------------|---------------|
| Drwn: Erick        | CHK: ESN      |
| Drwg. No: 23FL-100 | SCALE: N.T.S. |

#### SHEET NO.:

# 1 of 17

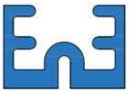
PRODUCT:

# 3300 Impact Storefront System

HVHZ - LMI

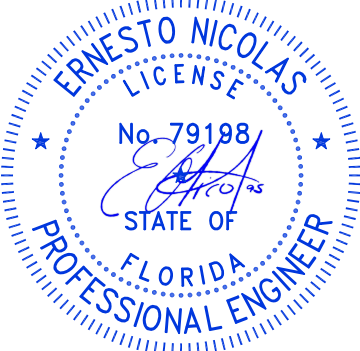
| REVN. | DATE / REMARKS                                              |
|-------|-------------------------------------------------------------|
| 1     | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
| 2     | 01/29/2026: 6" DEEP MULLION OPTION & UNREINF DR. JAMB QUAL. |

ENGINEER:



950 SW 135th Way Sunrise,  
FL 33325 P. 786 474 3876  
Email: en3.engconsul@gmail.com

STAMP:



FLORIDA PRODUCT APPROVAL:

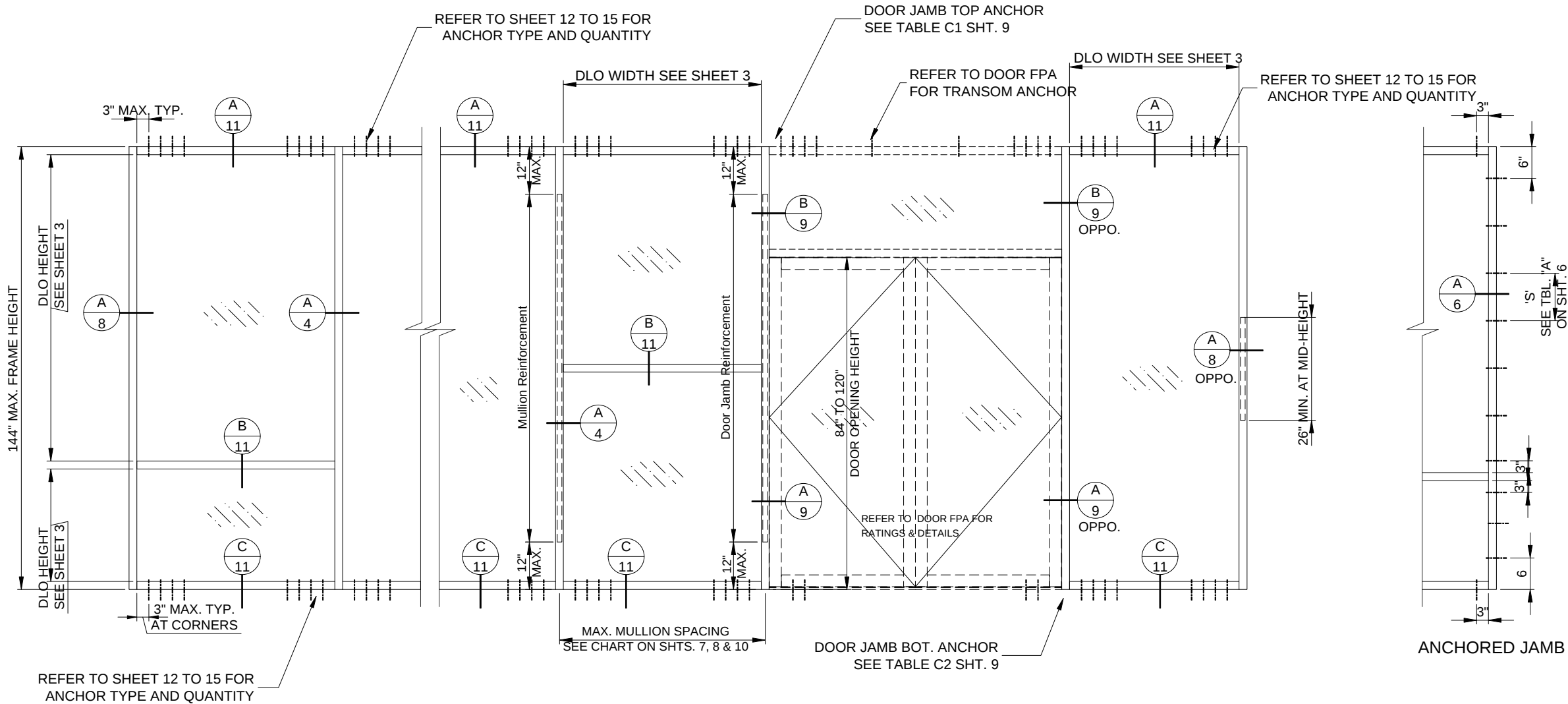
## FL46133

DATE: DEC. 15, 2023

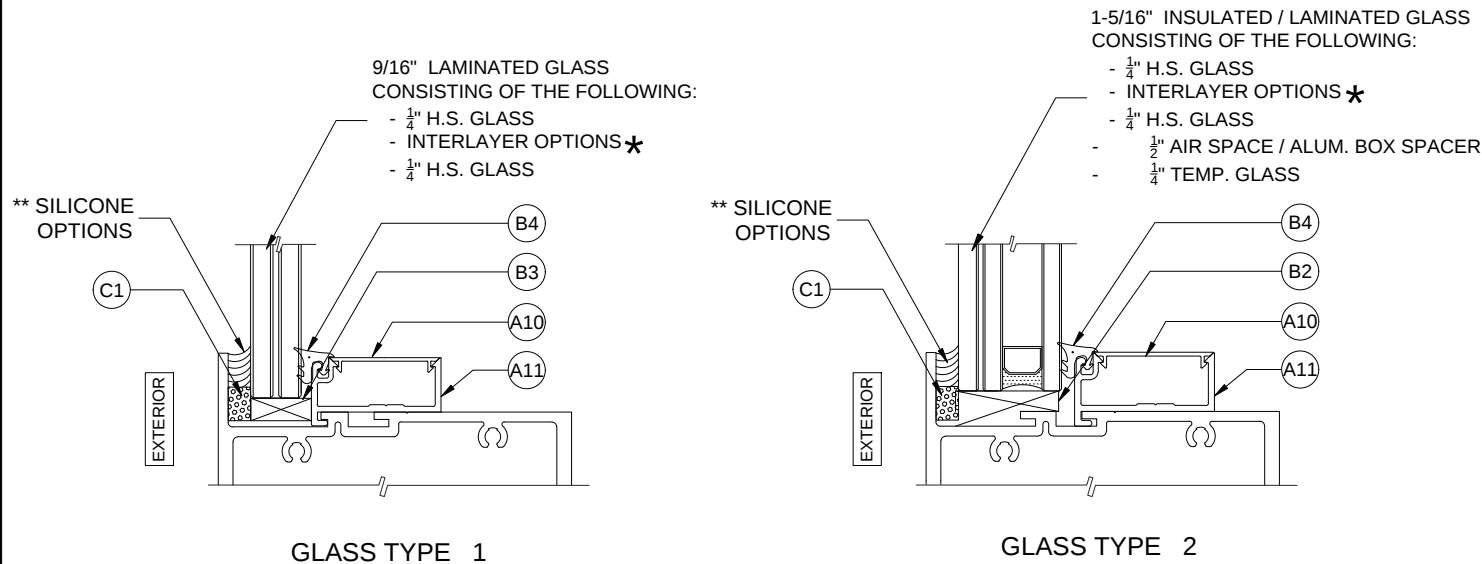
|                    |               |
|--------------------|---------------|
| Drwn: Erick        | CHK: ESN      |
| Drwg. No: 23FL-100 | SCALE: N.T.S. |

SHEET NO.:

## 2 of 17



## TYPICAL ELEVATIONS



## GLAZING OPTIONS

### \* INTERLAYER OPTIONS:

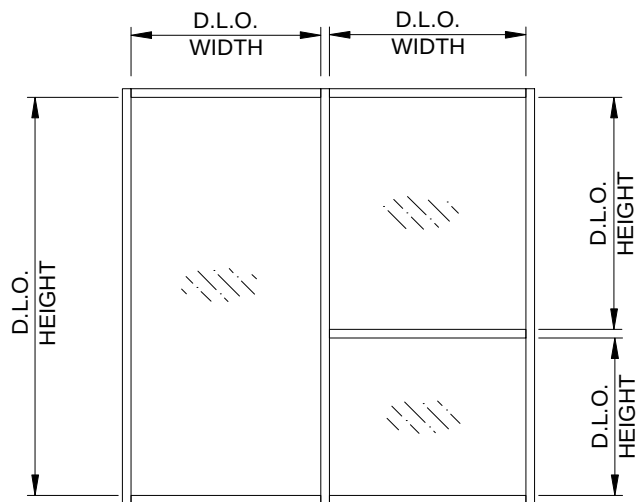
- 0.090" SAFLEX PVB, CLEAR AND COLORED BY EASTMAN CHEMICAL CO.
- 0.100 SAFLEX HP BY EASTMAN CHEMICAL CO.
- 0.075" SAFLEX STORM INTERLAYER BY EASTMAN CHEMICAL CO.
- 0.090" SENTRYGLAS® BY KURARAY AMERICA INC.
- 0.180" SENTRYGLAS® BY KURARAY AMERICA INC. (LEVEL 'E' IMPACT)
- 0.090" EVERLAM PVB CLEAR INTERLAYER
- 0.090" LAM50 PVB INTERLAYER BY EVERLAM
- 0.090" SUPER TOUGH PVB INTERLAYER BY EVERLAM

### \*\* SILICONE OPTIONS:

- |                            |                           |
|----------------------------|---------------------------|
| (C2) - DOWSIL 995          | (C4) - SIKA SIKASIL SG-10 |
| (C3) - TREMCO PROGLAZE SSG | (C5) - DOWSIL 983         |

| D[!{{ [h!5 /!t!/L° μσŨ |        |                           |                   |                  |                   |                     |                     |                   |                                |           |                    |                                |                                |                   |
|------------------------|--------|---------------------------|-------------------|------------------|-------------------|---------------------|---------------------|-------------------|--------------------------------|-----------|--------------------|--------------------------------|--------------------------------|-------------------|
| DLO (in)               |        | GLASS TYPES               |                   |                  |                   |                     |                     |                   |                                |           |                    |                                |                                |                   |
|                        |        | EASTMAN SAFLEX INTERLAYER |                   |                  |                   |                     | KURARAY SENTRYGLAS® |                   |                                |           | EVERLAM PVB        |                                |                                |                   |
|                        |        | 0.090" SAFLEX PVB         |                   | 0.100" SAFLEX HP |                   | 0.075" SAFLEX STORM | 0.090" SENTRYGLAS®  |                   | 0.180" SENTRYGLAS®             |           | 0.090" EVERLAM PVB | 0.090" LAM50                   |                                | 0.090" SUPERTOUGH |
|                        |        | 9/16" LAM.                | 1 5/16" INS./LAM. | 9/16" LAM.       | 1 5/16" INS./LAM. | 1 5/16" INS./LAM.   | 9/16" LAM.          | 1 5/16" INS./LAM. | 9/16" LAM. / 1 5/16" INS./LAM. |           | 1 5/16" INS./LAM.  | 9/16" LAM. / 1 5/16" INS./LAM. | 9/16" LAM. / 1 5/16" INS./LAM. |                   |
|                        |        | £°t9 !                    | £°t9 .            | £°t9 !           | £°t9 .            | £°t9 .              | £°t9 !              | £°t9 .            | £°t9 ! £°t9 . [90° 9           |           | £°t9 .             | £°t9 ! £°t9 .                  | £°t9 ! £°t9 .                  |                   |
| Width                  | Height | 9 1⁄8 lbE                 | 9 1⁄8 lbE         | 9 1⁄8 lbE        | 9 1⁄8 lbE         | 9 1⁄8 lbE           | 9 1⁄8 lbE           | 9 1⁄8 lbE         | 9 1⁄8 lbE                      | 9 1⁄8 lbE | 9 1⁄8 lbE          | 9 1⁄8 lbE                      | 9 1⁄8 lbE                      | 9 1⁄8 lbE         |
|                        |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 32.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 38.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 44.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 50.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 56.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 62.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 72.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 74.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
|                        | 73     |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 32.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 38.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 44.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 50.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 56.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 62.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 68.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 72.00                  |        |                           |                   |                  |                   |                     |                     |                   | 85                             | 85        |                    |                                | 85                             |                   |
| 74.75                  |        |                           |                   |                  |                   |                     |                     |                   | 85                             | 85        |                    |                                | 85                             |                   |
|                        | 79     |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 32.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 38.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 44.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 50.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 56.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 62.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 68.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
|                        | 85     |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 32.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 38.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 44.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 50.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 56.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 62.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 63.50                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
|                        | 92     |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 32.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 38.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 39.25                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 45.25                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 50.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 56.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 60.00                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
|                        | 97     |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 32.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 38.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 43.00                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 44.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 50.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 56.00                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 56.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
|                        | 103    |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 32.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 38.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 44.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 50.75                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |
| 53.00                  |        |                           |                   |                  |                   |                     |                     |                   |                                | 85        | 85                 |                                |                                | 85                |

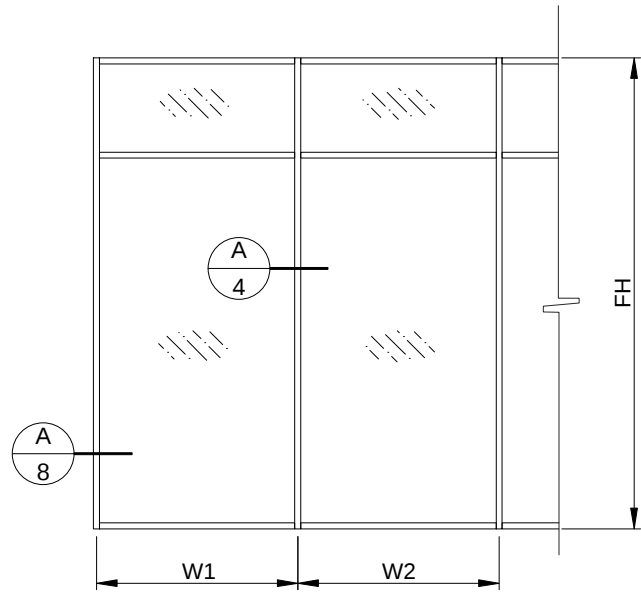
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|--------------------------|--------|---------------------------|--------------------|------------------|--------------------|---------------------|---------------------|--------------------|----------------------------------|------------|--------------------|----------------------------------|------------|----------------------------------|------------|
| DLO (in)                 |        | GLASS TYPES               |                    |                  |                    |                     |                     |                    |                                  |            |                    |                                  |            |                                  |            |
|                          |        | EASTMAN SAFLEX INTERLAYER |                    |                  |                    |                     | KURARAY SENTRYGLAS® |                    |                                  |            | EVERLAM PVB        |                                  |            |                                  |            |
|                          |        | 0.090" SAFLEX PVB         |                    | 0.100" SAFLEX HP |                    | 0.075" SAFLEX STORM | 0.090" SENTRYGLAS®  |                    | 0.180" SENTRYGLAS®               |            | 0.090" EVERLAM PVB | 0.090" LAM50                     |            | 0.090" SUPERTOUGH                |            |
|                          |        | 9/16" LAM1.               | 1 5/16" INS./LAM1. | 9/16" LAM1.      | 1 5/16" INS./LAM1. | 1 5/16" INS./LAM1.  | 9/16" LAM1.         | 1 5/16" INS./LAM1. | 9/16" LAM1. / 1 5/16" INS./LAM1. |            | 1 5/16" INS./LAM1. | 9/16" LAM1. / 1 5/16" INS./LAM1. |            | 9/16" LAM1. / 1 5/16" INS./LAM1. |            |
|                          |        | £°t9 !                    | £°t9 .             | £°t9 !           | £°t9 .             | £°t9 .              | £°t9 !              | £°t9 .             | £°t9 ! £°t9 . [909° 9            |            | £°t9 .             | £°t9 ! £°t9 .                    |            | £°t9 ! £°t9 .                    |            |
| Width                    | Height | 9 1/8" LbE                | 9 1/8" LbE         | 9 1/8" LbE       | 9 1/8" LbE         | 9 1/8" LbE          | 9 1/8" LbE          | 9 1/8" LbE         | 9 1/8" LbE                       | 9 1/8" LbE | 1bE                | 9 1/8" LbE                       | 9 1/8" LbE | 1bE                              | 9 1/8" LbE |
|                          | 109    |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  | 85         |
| 32.75                    |        |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  | 85         |
| 38.75                    |        |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  | 85         |
| 44.75                    |        |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  |            |
| 50.00                    |        |                           |                    |                  |                    |                     |                     |                    |                                  |            |                    |                                  |            |                                  |            |
|                          | 115    |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  | 85         |
| 32.75                    |        |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  | 85         |
| 36.00                    |        |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  | 85         |
| 38.75                    |        |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  |            |
| 44.75                    |        |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  |            |
| 47.50                    |        |                           |                    |                  |                    |                     |                     |                    |                                  |            |                    |                                  |            |                                  |            |
|                          | 121    |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  | 85         |
| 32.75                    |        |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  | 85         |
| 38.75                    |        |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  |            |
| 44.50                    |        |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  |            |
| 44.75                    |        |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  |            |
|                          | 127    |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  | 85         |
| 32.75                    |        |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  | 85         |
| 38.75                    |        |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  |            |
|                          |        |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  |            |
|                          | 133    |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  | 85         |
| 32.75                    |        |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  |            |
| 38.75                    |        |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  |            |
|                          | 139    |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  | 85         |
| 32.75                    |        |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  |            |
| 38.75                    |        |                           |                    |                  |                    |                     |                     |                    |                                  | 85         | 85                 |                                  |            |                                  |            |



NOTE:

1. GLASS CAPACITIES ON THIS SHEET WERE VERIFIED BASED ON ASTM E1300-16 (3 SEC. GUSTS).
2. PROVIDE 2 SETTING BLOCKS PER GLASS PANEL AS PER FBC CHAPTER 24. SETTING BLOCK TO BE LOCATED AT L/4 FOR SPAN  $\leq 54"$  AT L/8 FOR SPAN  $\leq 66"$  AND AT 4" FROM ENDS FOR SPAN GREATER THAN 66".
3. OTHER GLASS SIZES ARE QUALIFIED AS LONG AS EQUAL OR LESS THAN TESTED AREA.
4. INSULATED GLASS SEALANT:  
PRIMARY SEALANT: PIB-POLYISOBUTYLENE  
SECONDARY SEALANT: SILICONE SEALANT

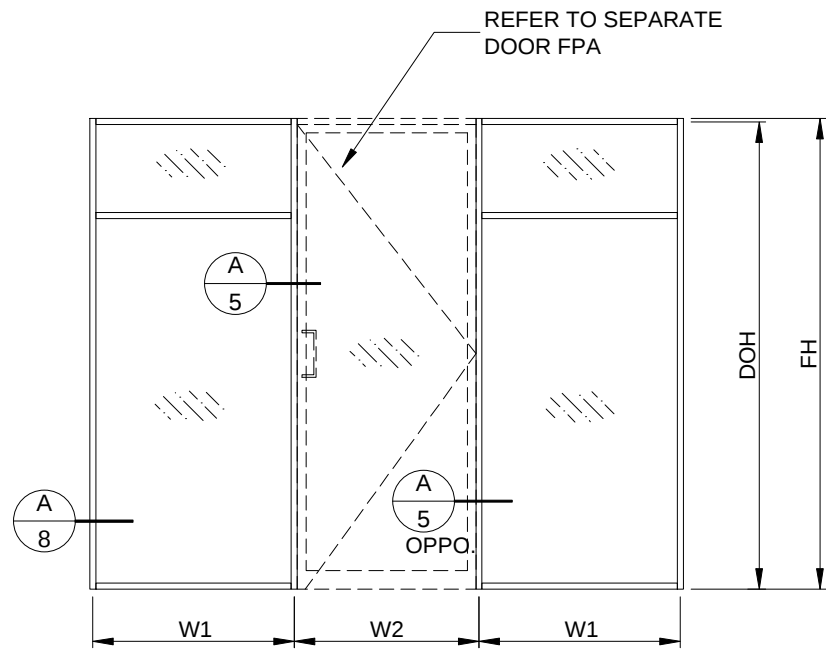
|                                                                                                                                                                                                                                    |                                                             |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
|  <h1 style="margin: 0;">Trulite</h1> <p style="margin: 0;">GLASS &amp; ALUMINUM SOLUTIONS™</p> <p style="margin: 0;">http://www.trulite.com</p> |                                                             |
| <p>1750 Founders Pkwy, Suite. 154,<br/>Alpharetta GA, 30009<br/>p. 800-432-8132</p>                                                                                                                                                |                                                             |
| <p>PRODUCT:</p> <h2 style="margin: 10px 0;">3300 Impact<br/>Storefront System</h2> <p style="font-size: 1.2em;">HVHZ - LMI</p>                                                                                                     |                                                             |
| REV.N.                                                                                                                                                                                                                             | DATE / REMARKS                                              |
| 1                                                                                                                                                                                                                                  | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
| 2                                                                                                                                                                                                                                  | 01/29/2026: 6" DEEP MULLION OPTION & UNREINF DR. JAMB QUAL. |
|                                                                                                                                                                                                                                    |                                                             |
| ENGINEER:                                                                                                                                                                                                                          |                                                             |
|                                                                                                                                                |                                                             |
| <p>950 SW 135th Way Sunrise,<br/>FL 33325 P. 786 474 3876<br/>Email: en3.engconsul@gmail.com</p>                                                                                                                                   |                                                             |
| STAMP:                                                                                                                                                                                                                             |                                                             |
|                                                                                                                                               |                                                             |
| FLORIDA PRODUCT APPROVAL:                                                                                                                                                                                                          |                                                             |
| <h1 style="margin: 0;">FL46133</h1>                                                                                                                                                                                                |                                                             |
| DATE: DEC. 15, 2023                                                                                                                                                                                                                |                                                             |
| Drwn: Erick                                                                                                                                                                                                                        | CHK: ESN                                                    |
| Drwg. No: 23FL-100                                                                                                                                                                                                                 | SCALE: N.T.S.                                               |
| SHEET NO.:                                                                                                                                                                                                                         |                                                             |
| <h2 style="margin: 0;">3 of 17</h2>                                                                                                                                                                                                |                                                             |



ELEV. 1

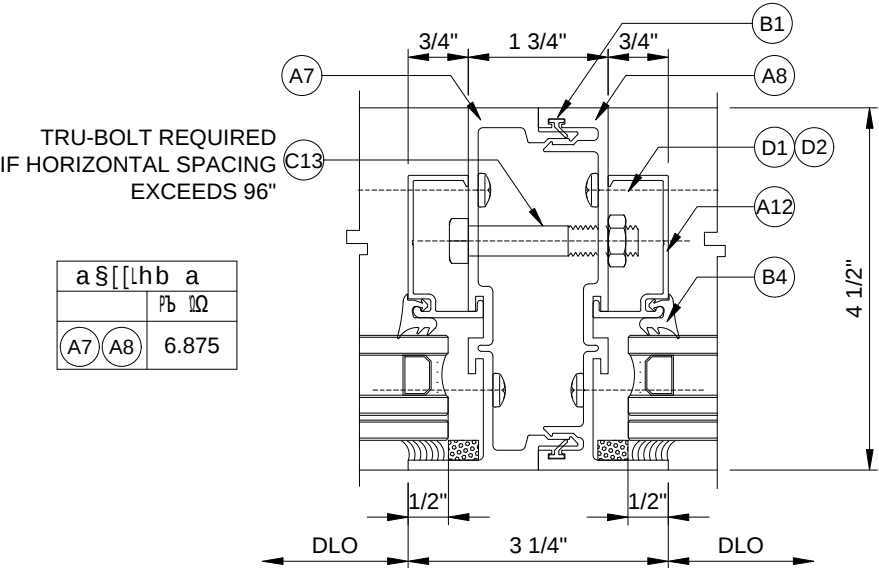
WIDTH (W) =  $\frac{W1 + W2}{2}$

WIDTH (W) = W1 (JAMB)



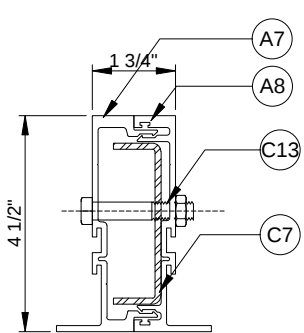
ELEV. 2

ELEVATIONS

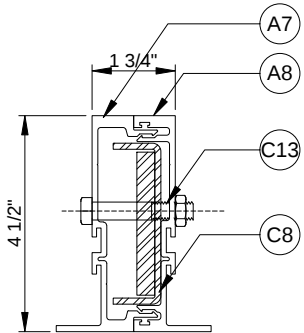


| a S [[Lhb a |    | Pb    | Ω |
|-------------|----|-------|---|
| A7          | A8 | 6.875 |   |

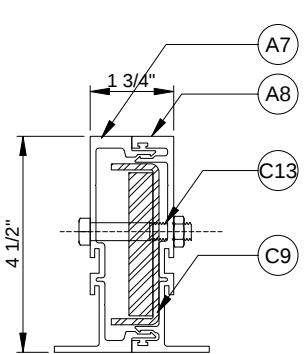
A STANDARD MULLION  
REFER TO ELEV. 1



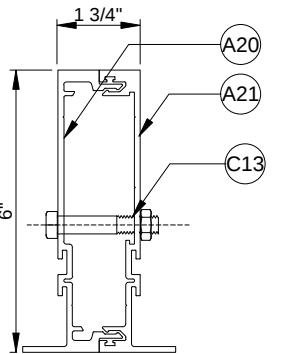
| a S [[Lhb a |        | Pb    | Ω |
|-------------|--------|-------|---|
| A7          | A8     | 6.875 |   |
| C7          | Ω ! Pψ | 2.930 |   |
| £h£ ! [     |        | 9.805 |   |



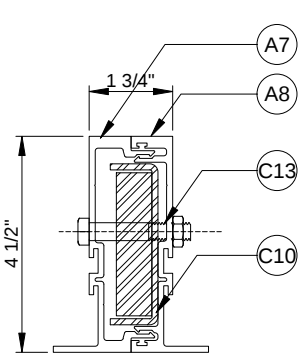
| a S [[Lhb a |        | Pb     | Ω |
|-------------|--------|--------|---|
| A7          | A8     | 6.875  |   |
| C8          | Ω ! Pψ | 5.377  |   |
| £h£ ! [     |        | 12.252 |   |



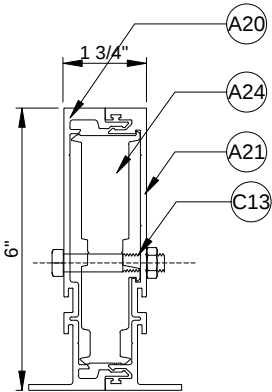
| a S [[Lhb a |        | Pb     | Ω |
|-------------|--------|--------|---|
| A7          | A8     | 6.875  |   |
| C9          | Ω ! Pψ | 6.193  |   |
| £h£ ! [     |        | 13.067 |   |



| a S [[Lhb a<br>ht£Lhb |     | Pb      | Ω |
|-----------------------|-----|---------|---|
| A20                   | A21 | 14.1086 |   |



| a S [[Lhb a |        | Pb     | Ω |
|-------------|--------|--------|---|
| A7          | A8     | 6.875  |   |
| C10         | Ω ! Pψ | 7.824  |   |
| £h£ ! [     |        | 14.699 |   |



| a S [[Lhb a |        | Pb     | Ω |
|-------------|--------|--------|---|
| A20         | A21    | 14.109 |   |
| A24         | Ω ! Pψ | 8.800  |   |
| £h£ ! [     |        | 22.908 |   |

MULLION OPTIONS



<http://www.trulite.com>

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Alpharetta GA, 30009  
p. 800-432-8132

PRODUCT:

3300 Impact  
Storefront System  
HVHZ - LMI

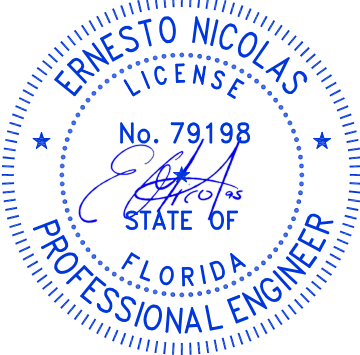
| REVN. | DATE / REMARKS                                              |
|-------|-------------------------------------------------------------|
| 1     | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
| 2     | 01/29/2026: 6" DEEP MULLION OPTION & UNREINF DR. JAMB QUAL. |

ENGINEER:



950 SW 135th Way Sunrise,  
FL 33325 P. 786 474 3876  
Email: [en3.engconsult@gmail.com](mailto:en3.engconsult@gmail.com)

STAMP:



FLORIDA PRODUCT APPROVAL:

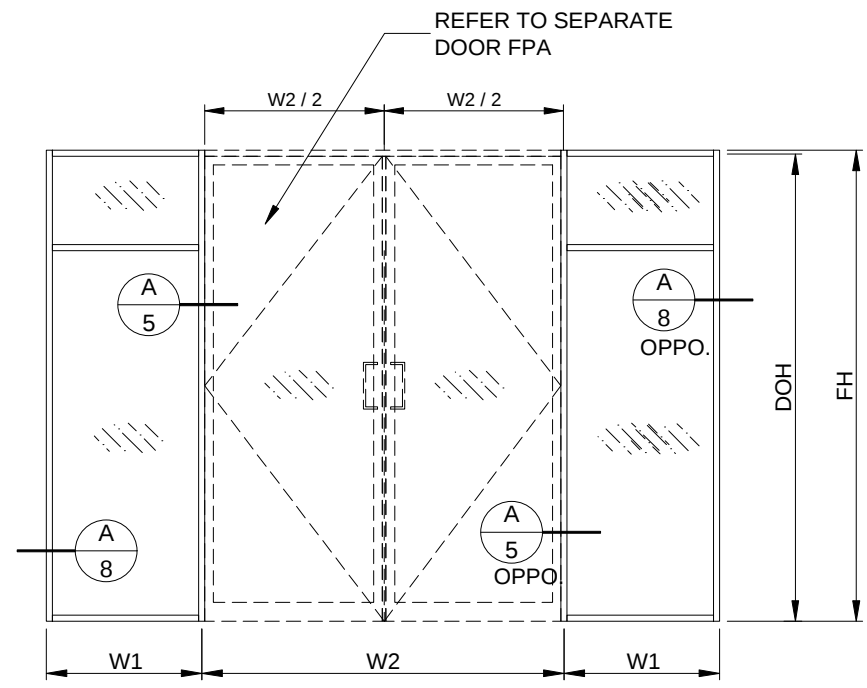
FL46133

DATE: DEC. 15, 2023

|                    |               |
|--------------------|---------------|
| Drwn: Erick        | CHK: ESN      |
| Drwg. No: 23FL-100 | SCALE: N.T.S. |

SHEET NO.:

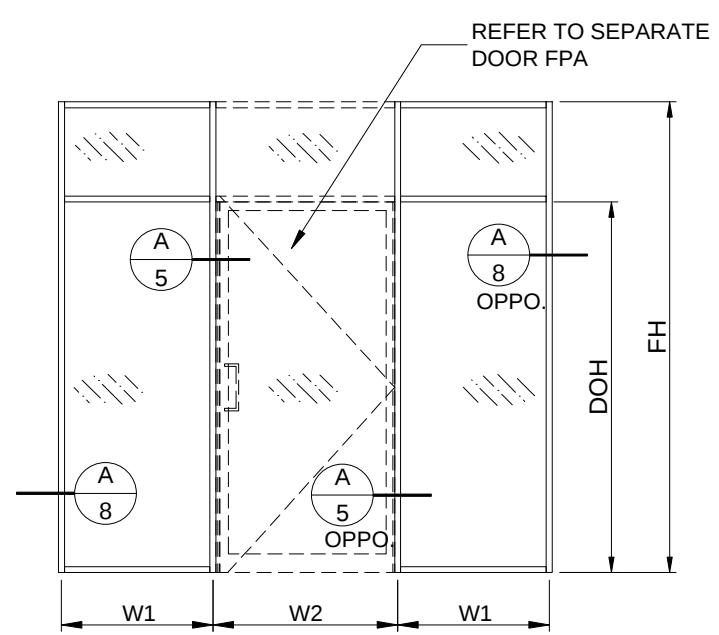
4 of 17



ELEV. 3

WIDTH (W) =  $\frac{W1}{2} + \frac{W2}{4}$

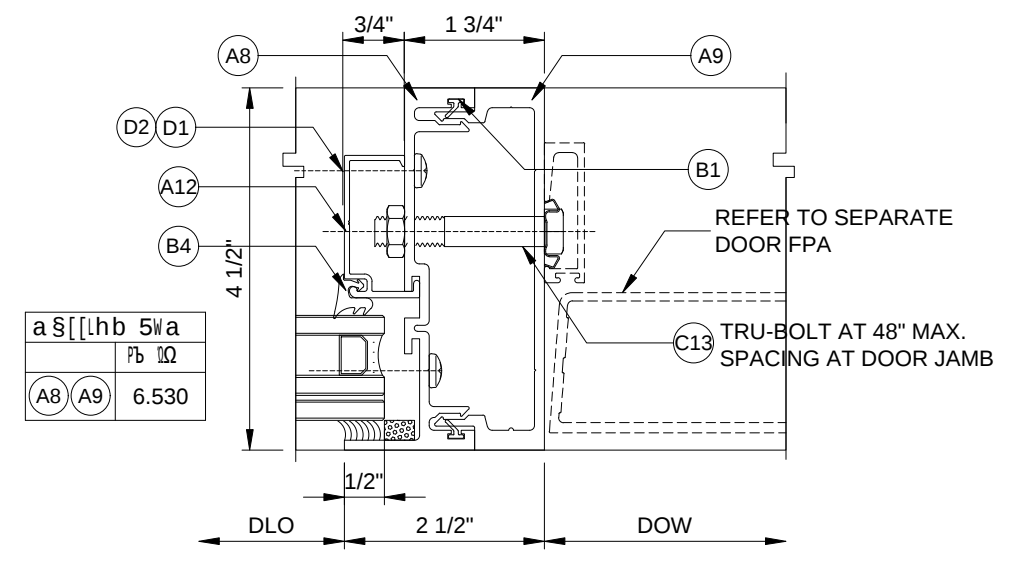
WIDTH (W) = W1 (JAMB)



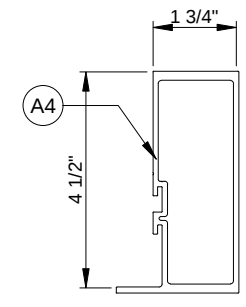
ELEV. 4

WIDTH (W) =  $\frac{W1 + W2}{2}$

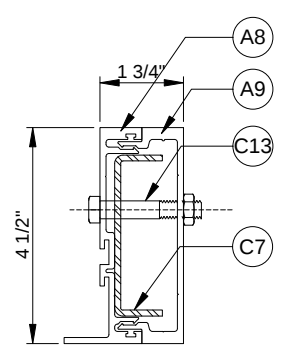
ELEVATIONS



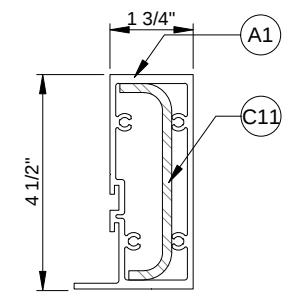
**A DOOR JAMB-MULLION**  
REFER TO ELEVS. 2, 3, 4



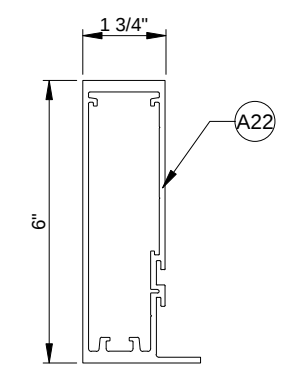
| a S[[Lhb 5wa |       |
|--------------|-------|
|              | Pb Ω  |
| A4           | 4.823 |



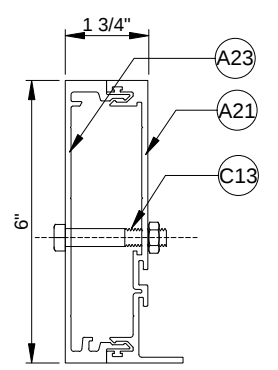
| a S[[Lhb 5wa |       |
|--------------|-------|
|              | Pb Ω  |
| A8 A9        | 6.530 |
| C7 Ω !Ψ      | 2.930 |
| £h£! [       | 9.461 |



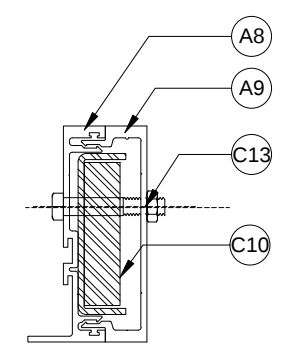
| a S[[Lhb 5wa |        |
|--------------|--------|
| ht£lhb       |        |
|              | Pb Ω   |
| A1           | 5.345  |
| C11 Ω !Ψ     | 5.113  |
| £h£! [       | 10.459 |



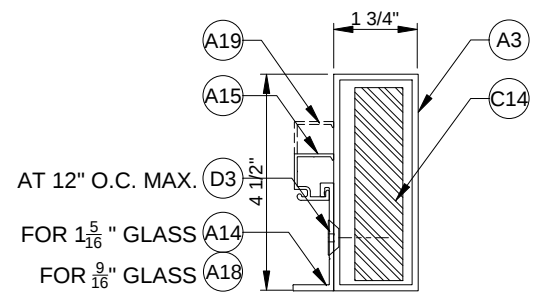
| a S[[Lhb 5wa |        |
|--------------|--------|
|              | Pb Ω   |
| A22          | 12.345 |



| a S[[Lhb 5wa |        |
|--------------|--------|
|              | Pb Ω   |
| A23 A21      | 13.624 |

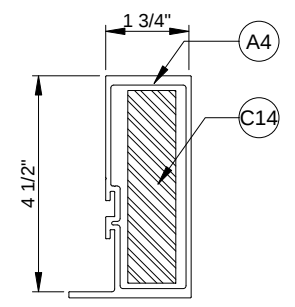


| a S[[Lhb 5wa |        |
|--------------|--------|
|              | Pb Ω   |
| A8 A9        | 6.530  |
| C10 Ω !Ψ     | 7.824  |
| £h£! [       | 14.354 |

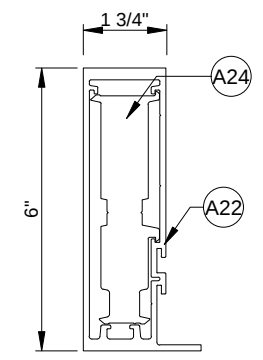


AT 12" O.C. MAX.  
FOR 1 5/16" GLASS  
FOR 9/16" GLASS

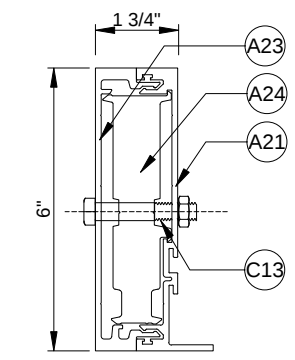
| a S[[Lhb 5wa |        |
|--------------|--------|
|              | Pb Ω   |
| A3           | 3.6934 |
| C14 Ω !Ψ     | 15.467 |
| £h£! [       | 19.160 |



| a S[[Lhb 5wa |        |
|--------------|--------|
| ht£lhb       |        |
|              | Pb Ω   |
| A4           | 4.823  |
| C14 Ω !Ψ     | 15.467 |
| £h£! [       | 20.290 |



| a S[[Lhb 5wa |         |
|--------------|---------|
| ht£lhb       |         |
|              | Pb Ω    |
| A22          | 12.345  |
| A24          | 8.799   |
| £h£! [       | 21.1440 |



| a S[[Lhb 5wa |         |
|--------------|---------|
| ht£lhb       |         |
|              | Pb Ω    |
| A23 A21      | 13.624  |
| A24          | 8.799   |
| £h£! [       | 22.4230 |

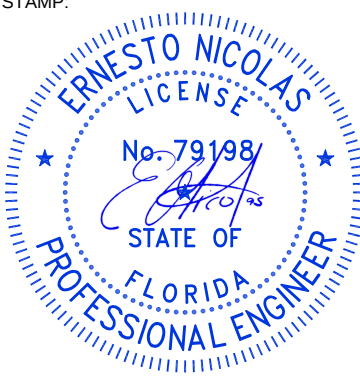
DOOR JAMB-MULLION OPTIONS

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1750 Founders Pkwy, Suite. 154,  
Alpharetta GA, 30009  
p. 800-432-8132

PRODUCT:  
**3300 Impact Storefront System**  
HVHZ - LMI

| REVN. | DATE / REMARKS                                              |
|-------|-------------------------------------------------------------|
| 1     | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
| 2     | 01/29/2026: 6" DEEP MULLION OPTION & UNREINF DR. JAMB QUAL. |

ENGINEER:  
  
950 SW 135th Way Sunrise,  
FL 33325 P. 786 474 3876  
Email: [en3.engconsul@gmail.com](mailto:en3.engconsul@gmail.com)

STAMP:  


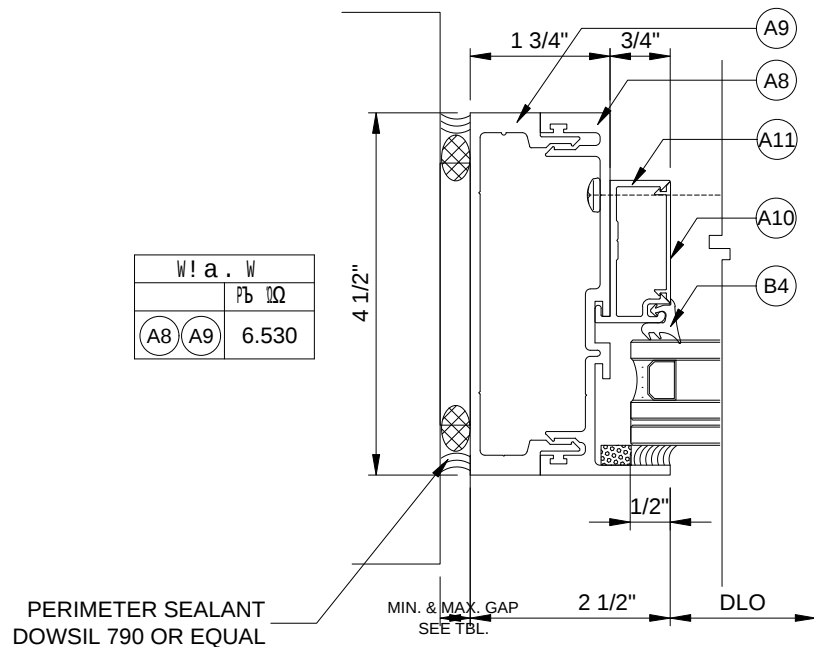
FLORIDA PRODUCT APPROVAL:  
**FL46133**  
DATE: DEC. 15, 2023  
Drwn: Erick      CHK: ESN  
Drwg. No: 23FL-100      SCALE: N.T.S.  
SHEET NO.:  
**5 of 17**



| MULLION / JAMB CAPACITY (psf) |   |       |         |         |         | Ext (+) / Int. (-) |         |
|-------------------------------|---|-------|---------|---------|---------|--------------------|---------|
| b h a l b !<br>5 l a 9 b Ω    |   | 5 W a | a 5 W a | a 5 W a | a 5 W a | a 5 W a            | a 5 W a |
| 5                             | l |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 91.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 82.7    | 94.0    | 75.0               | 94.0    |
|                               |   |       | 55.0    | 75.8    | 94.0    | 75.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 84.9    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 55.0    | 87.5    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 55.0    | 75.0    | 75.0    | 75.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 81.5    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 75.6    | 87.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 55.0    | 75.0    | 75.0    | 75.0               | 94.0    |
|                               |   |       | 55.0    | 70.2    | 75.0    | 75.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 75.1    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 66.8    | 85.6    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 55.0    | 74.6    | 75.0    | 75.0               | 94.0    |
|                               |   |       | 54.6    | 67.8    | 75.0    | 75.0               | 94.0    |
|                               |   |       | 50.1    | 62.2    | 72.1    | 72.1               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 85.0    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 73.8    | 94.0    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 64.6    | 85.9    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 55.0    | 76.4    | 94.0    | 94.0               | 94.0    |
|                               |   |       | 51.7    | 66.5    | 75.0    | 75.0               | 94.0    |
|                               |   |       | 47.0    | 60.5    | 74.2    | 74.2               | 93.1    |

| MULLION / JAMB CAPACITY (psf) |   |       |         |         |         |         | Ext (+) / Int. (-) |
|-------------------------------|---|-------|---------|---------|---------|---------|--------------------|
| b h a l b !<br>5 l a 9 b 10   |   | 5 W a | a 5 W a | a 5 W a | a 5 W a | a 5 W a | a 5 W a            |
|                               | I |       | 85.0    | 94.0    | 94.0    | 94.0    | 94.0               |
|                               |   |       | 73.3    | 94.0    | 94.0    | 94.0    | 94.0               |
|                               |   |       | 62.8    | 88.1    | 94.0    | 94.0    | 94.0               |
|                               |   |       | 54.9    | 77.1    | 94.0    | 94.0    | 94.0               |
|                               |   |       | 48.8    | 66.4    | 75.0    | 75.0    | 94.0               |
|                               |   |       | 44.0    | 59.7    | 75.0    | 75.0    | 91.9               |
|                               |   |       | 40.0    | 54.3    | 68.2    | 70.3    | 83.5               |
|                               |   |       |         | 94.0    | 94.0    |         | 94.0               |
|                               |   |       | 75.4    | 94.0    | 94.0    |         | 94.0               |
|                               |   |       | 62.7    | 91.1    | 94.0    |         | 94.0               |
|                               |   |       | 53.8    | 78.1    | 94.0    |         | 94.0               |
|                               |   |       | 47.1    | 68.3    | 87.8    | 88.1    | 94.0               |
| 54"                           |   |       | 41.9    | 60.8    | 78.1    | 83.3    | 92.1               |
| 60"                           |   |       |         | 54.7    | 70.3    | 75.0    | 82.9               |
|                               |   |       | 81.2    | 94.0    | 94.0    | 94.0    | 94.0               |
|                               |   |       | 65.0    | 94.0    | 94.0    |         | 94.0               |
|                               |   |       | 54.3    | 79.3    | 94.0    |         | 94.0               |
|                               |   |       | 46.5    | 67.9    | 87.4    | 91.6    | 94.0               |
|                               |   |       | 40.7    | 59.4    | 76.4    | 81.5    | 91.9               |
| 54"                           |   |       | 36.2    | 52.8    | 68.0    | 72.4    | 81.6               |
| 60"                           |   |       |         | 47.0    | 61.1    | 65.2    | 73.5               |
|                               |   |       | 70.6    | 94.0    | 94.0    | 94.0    | 94.0               |
|                               |   |       | 56.5    | 82.7    | 94.0    |         | 94.0               |
|                               |   |       | 47.2    | 68.9    | 88.6    | 91.6    | 94.0               |
|                               |   |       | 40.4    | 59.1    | 76.0    | 81.0    | 91.3               |
| 48"                           |   |       | 35.4    | 51.6    | 66.5    | 70.9    | 79.9               |
|                               |   |       |         | 45.7    | 59.1    | 63.0    | 71.0               |
|                               |   |       | 61.5    | 90.5    | 94.0    |         | 94.0               |
|                               |   |       | 49.6    | 72.4    | 91.2    | 91.6    | 94.0               |
|                               |   |       | 41.3    | 60.3    | 77.6    | 82.8    | 93.2               |
|                               |   |       | 35.4    | 51.7    | 66.5    | 70.9    | 79.9               |
| 48"                           |   |       |         | 45.0    | 58.2    | 62.0    | 69.9               |
|                               |   |       |         | 40.2    | 51.7    | 55.2    | 62.1               |
|                               |   |       | 54.5    | 79.6    | 91.6    | 91.6    | 94.0               |
|                               |   |       | 43.6    | 63.7    | 81.9    | 87.4    | 94.0               |
|                               |   |       | 36.3    | 53.1    | 68.3    | 72.8    | 82.0               |
|                               |   |       | 31.1    | 45.5    | 58.5    | 62.4    | 70.3               |
|                               |   |       |         | 39.8    | 51.2    | 54.6    | 61.5               |

|                                                                                                                                                                                                                                                                                        |                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| <br><b>GLASS &amp; ALUMINUM SOLUTIONS™</b><br><a href="http://www.trulite.com">http://www.trulite.com</a>                                                                                           |                                                             |
| 1750 Founders Pkwy, Suite. 154,<br>Alpharetta GA, 30009<br>p. 800-432-8132                                                                                                                                                                                                             |                                                             |
| <b>PRODUCT:</b><br><br><div style="text-align: center; font-size: 24px; font-weight: bold;">3300 Impact<br/>Storefront System</div> <div style="text-align: center; font-size: 20px; font-weight: bold;">HVHZ - LMI</div>                                                              |                                                             |
| <b>REVN.</b>                                                                                                                                                                                                                                                                           | <b>DATE / REMARKS</b>                                       |
| 1                                                                                                                                                                                                                                                                                      | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
| 2                                                                                                                                                                                                                                                                                      | 01/29/2026: 6" DEEP MULLION OPTION & UNREINF DR. JAMB QUAL. |
|                                                                                                                                                                                                                                                                                        |                                                             |
|                                                                                                                                                                                                                                                                                        |                                                             |
| <b>ENGINEER:</b><br><br><div style="text-align: center; font-size: 48px; font-weight: bold;">E3</div><br><div style="text-align: center;">950 SW 135th Way Sunrise,<br/>FL 33325 P. 786 474 3876<br/>Email: <a href="mailto:en3.engconsul@gmail.com">en3.engconsul@gmail.com</a></div> |                                                             |
| <b>STAMP:</b><br><div style="text-align: center;"></div>                                                                                                                                           |                                                             |
| <b>FLORIDA PRODUCT APPROVAL:</b><br><br><div style="font-size: 48px; font-weight: bold;">FL46133</div>                                                                                                                                                                                 |                                                             |
| <b>DATE:</b> DEC. 15, 2023                                                                                                                                                                                                                                                             |                                                             |
| <b>Drwn:</b> Erick                                                                                                                                                                                                                                                                     | <b>CHK:</b> ESN                                             |
| <b>Drwg. No:</b> 23FL-100                                                                                                                                                                                                                                                              | <b>SCALE:</b> N.T.S.                                        |
| <b>SHEET NO.:</b><br><br><div style="text-align: center; font-size: 36px; font-weight: bold;">7 of 17</div>                                                                                                                                                                            |                                                             |

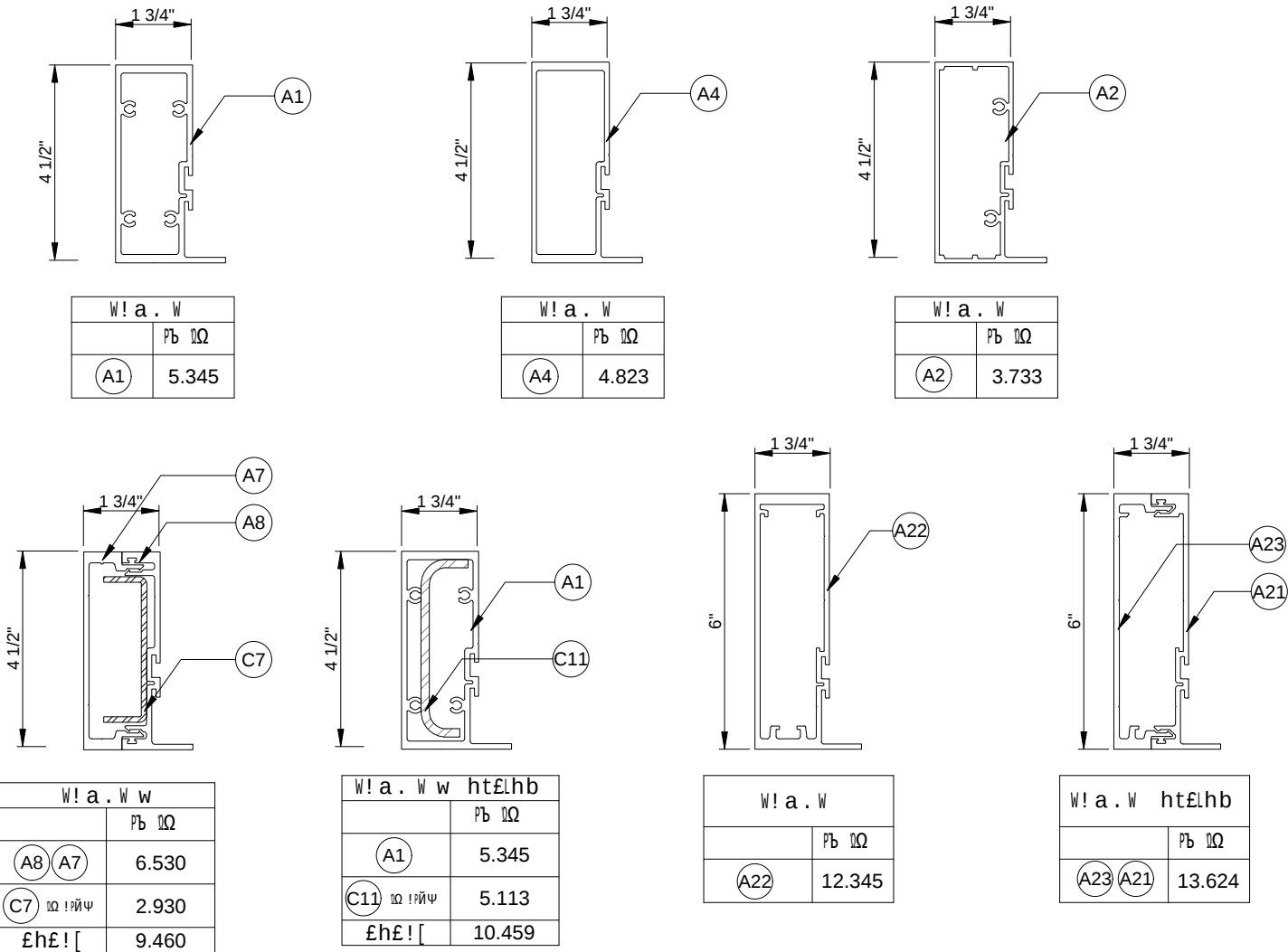


|          |    |       |  |  |
|----------|----|-------|--|--|
| W! a . W |    |       |  |  |
| Pb Ω     |    |       |  |  |
| A8       | A9 | 6.530 |  |  |

|          |       |          |       |
|----------|-------|----------|-------|
| W! a . W | Pb Ω  | W! a . W | Pb Ω  |
| A8       | A9    | A10      | A11   |
| 6.530    | 6.530 | 6.530    | 6.530 |

ALTERNATE SEALANT AT JAMB GAP  
CAN BE DESIGNED BY ENGINEER  
OF RECORD BASED ON MANUFACTURER'S  
GUIDE LINES

**A FRAME JAMB (UN-ANCHORED)**  
REFER TO ELEVS. 1, 2, 3, 4



FRAME JAMB OPTIONS

|                |     | JAMB CAPACITY (psf) |      |      |      |      | Ext (+) / Int. (-) |
|----------------|-----|---------------------|------|------|------|------|--------------------|
| bha! [ 5la9b Ω |     | J1                  | W    | W    | W    | W W  | J5                 |
| 66             |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
| 66             |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
| 66             | 114 | -                   | -    | -    | -    | -    | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
| 48             | 54  | -                   | -    | -    | -    | -    | 94.0               |
|                |     | -                   | -    | -    | -    | -    | 94.0               |
|                |     | -                   | -    | -    | -    | -    | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
| 48             | 54  | -                   | -    | -    | -    | -    | 94.0               |
|                |     | -                   | -    | -    | -    | -    | 94.0               |
|                |     | -                   | -    | -    | -    | -    | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
| 48             | 54  | -                   | -    | -    | -    | -    | 94.0               |
|                |     | -                   | -    | -    | -    | -    | 94.0               |
|                |     | -                   | -    | -    | -    | -    | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
| 48             | 54  | 85.0                | 85.0 | 85.0 | 72.7 | 94.0 | 94.0               |
|                |     | 82.3                | 82.3 | 75.2 | 58.2 | 94.0 | 94.0               |
|                |     | 68.6                | 68.6 | 62.6 | 48.5 | 94.0 | 94.0               |
|                |     | 58.8                | 58.8 | 53.7 | 41.6 | 89.6 | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
| 48             | 54  | -                   | -    | -    | -    | -    | 94.0               |
|                |     | -                   | -    | -    | -    | -    | 94.0               |
|                |     | -                   | -    | -    | -    | -    | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
| 48             | 54  | 85.0                | 85.0 | 82.7 | 64.0 | 94.0 | 94.0               |
|                |     | 75.6                | 73.3 | 66.2 | 51.2 | 94.0 | 94.0               |
|                |     | 63.0                | 61.1 | 55.1 | 42.7 | 94.0 | 94.0               |
|                |     | 54.0                | 52.4 | 47.3 | 36.6 | 82.3 | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
| 48             | 144 | -                   | -    | -    | -    | -    | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |
|                |     |                     |      |      |      |      | 94.0               |

Table 3 | FRAME JAMB LOAD CAPACITY  
(Refer to Elevs. 1, 2, 3, 4)



GLASS & ALUMINUM SOLUTIONS™

http://www.trulite.com

1750 Founders Pkwy, Suite. 154,  
Alpharetta GA, 30009  
p. 800-432-8132

PRODUCT:

**3300 Impact  
Storefront System**  
HVHZ - LMI

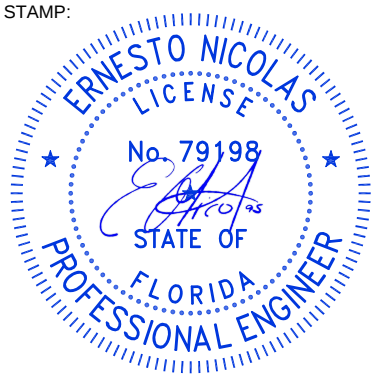
| REVN. | DATE / REMARKS                                              |
|-------|-------------------------------------------------------------|
| 1     | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
| 2     | 01/29/2026: 6" DEEP MULLION OPTION & UNREINF DR. JAMB QUAL. |

ENGINEER:



950 SW 135th Way Sunrise,  
FL 33325 P. 786 474 3876  
Email: en3.engconsul@gmail.com

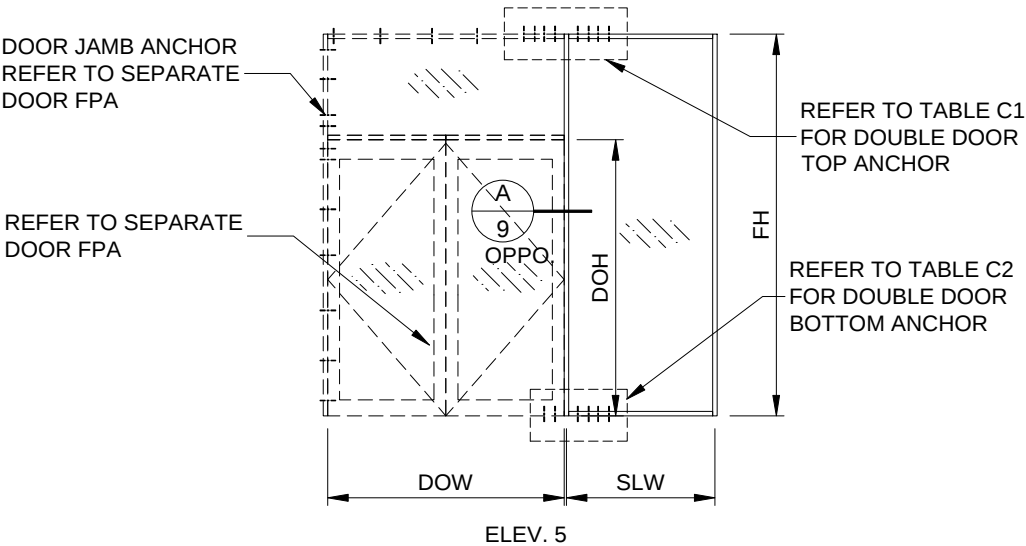
STAMP:



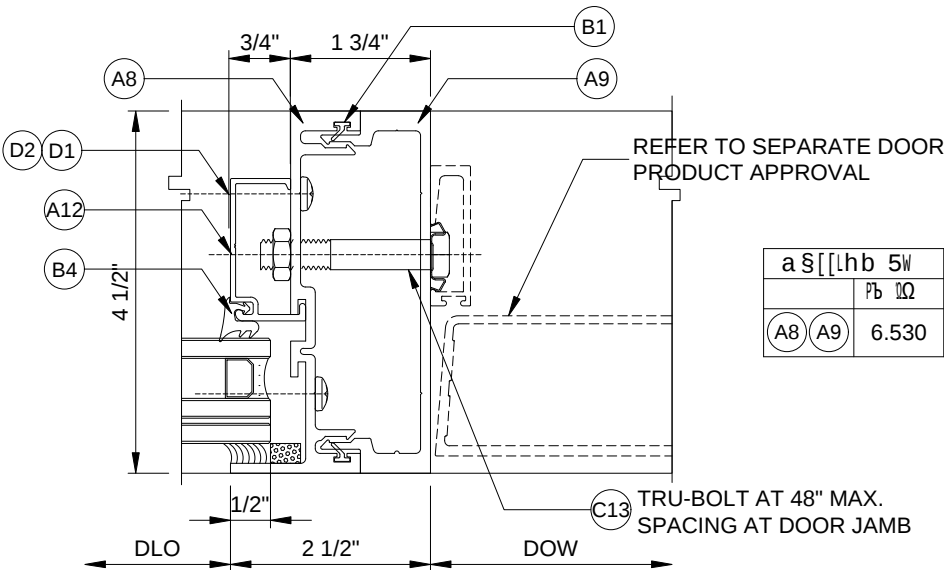
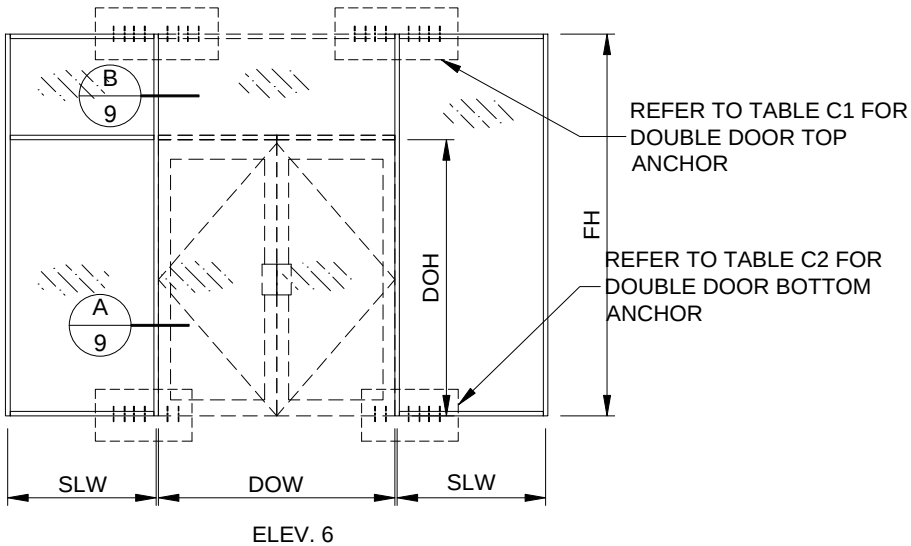
FLORIDA PRODUCT APPROVAL:

**FL46133**

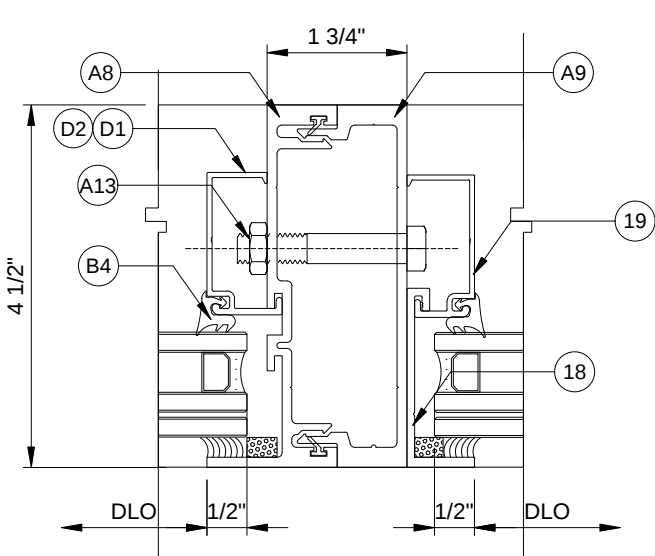
|                     |               |
|---------------------|---------------|
| DATE: DEC. 15, 2023 |               |
| Drwn: Erick         | CHK: ESN      |
| Drwg. No: 23FL-100  | SCALE: N.T.S. |



NOTE: THE LOWER DESIGN PRESSURE BETWEEN THE DOOR AND THE STOREFRONT SHALL GOVERN.



**A DOOR JAMB**  
REFER TO ELEVS. 5,6

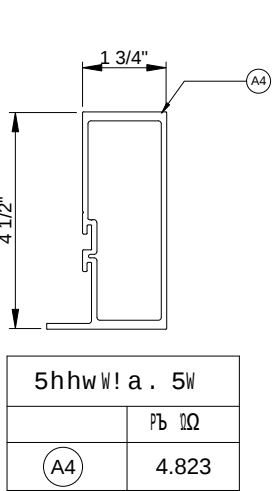


**B DOOR JAMB AT TRANSOM**  
REFER TO ELEVS. 5, 6

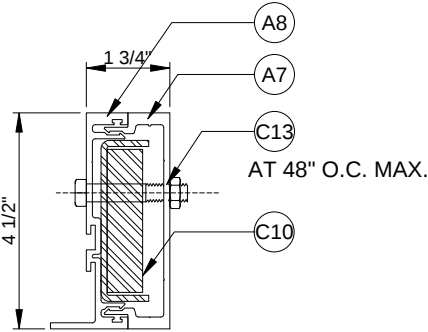
| TABLE C1 - ANCHOR AT DOUBLE DOOR JAMB TOP |           |           |
|-------------------------------------------|-----------|-----------|
| ANCHOR TYPE                               | 1/4" Shim | 3/8" Shim |
| A                                         | 11        | 13        |
| .                                         | 9         | 9         |
| /                                         | 9         | 13        |
| D                                         | 6         | 9         |
| E                                         | 8         | 9         |
| F                                         | 8         | 11        |

| TABLE C2 - ANCHOR AT DOUBLE DOOR JAMB BOTTOM |           |           |
|----------------------------------------------|-----------|-----------|
| ANCHOR TYPE                                  | 1/4" Shim | 3/8" Shim |
| C                                            | 6         | 9         |
| D                                            | 5         | 6         |

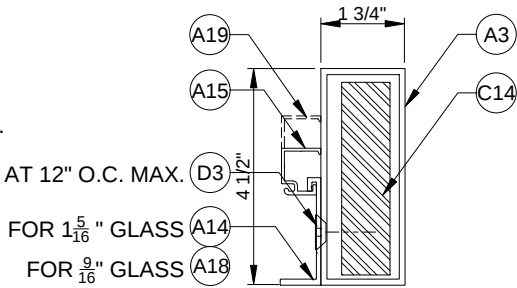
Table 4 | DOOR JAMB LOAD CAPACITY  
(Refer to Elevs. 5, 6)



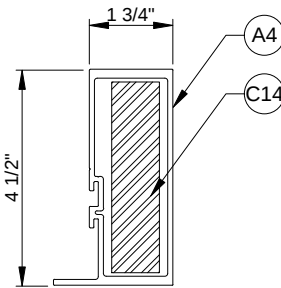
| 5hhw! a. 5W |       |
|-------------|-------|
|             | Pb W  |
| A4          | 4.823 |



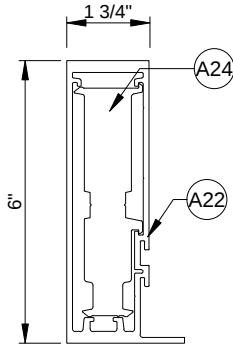
| 5hhw! a. 5W |        |
|-------------|--------|
|             | Pb W   |
| A8 A9       | 6.530  |
| C10 W ! W   | 7.824  |
| h h !       | 14.354 |



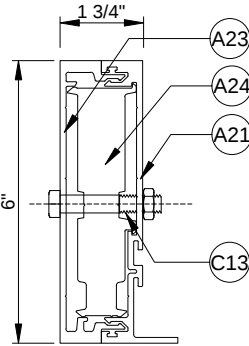
| 5hhw! a. 5W |        |
|-------------|--------|
|             | Pb W   |
| A3          | 3.693  |
| C14 W ! W   | 15.467 |
| h h !       | 19.160 |



| 5hhw! a. 5W |        |
|-------------|--------|
|             | Pb W   |
| A4          | 4.823  |
| C14 W ! W   | 15.467 |
| h h !       | 20.290 |



| 5hhw! a. 5W |        |
|-------------|--------|
|             | Pb W   |
| A22         | 12.345 |
| A24         | 8.799  |
| h h !       | 21.144 |

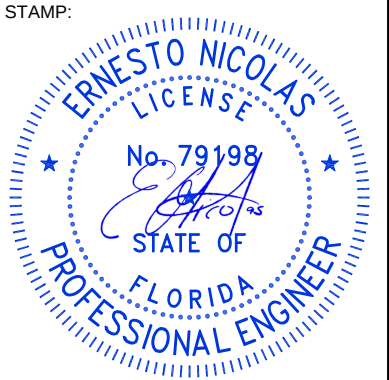


| 5hhw! a. 5W |        |
|-------------|--------|
|             | Pb W   |
| A23 A21     | 13.624 |
| A24         | 8.799  |
| h h !       | 22.423 |

PRODUCT:  
**3300 Impact Storefront System**  
HVHZ - LMI

| REVN. | DATE / REMARKS                                              |
|-------|-------------------------------------------------------------|
| 1     | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
| 2     | 01/29/2026: 6" DEEP MULLION OPTION & UNREINF DR. JAMB QUAL. |

ENGINEER:  
  
950 SW 135th Way Sunrise,  
FL 33325 P. 786 474 3876  
Email: en3.engconsul@gmail.com



FLORIDA PRODUCT APPROVAL:  
**FL46133**

|                     |               |
|---------------------|---------------|
| DATE: DEC. 15, 2023 |               |
| Drwn: Erick         | CHK: ESN      |
| Drwg. No: 23FL-100  | SCALE: N.T.S. |

SHEET NO.:  
**9 of 17**

| NOMINAL<br>DIMENSIONS |     | DOOR JAMB LOAD CAPACITY TABLE (DOOR OPENING HEIGHT FROM 84" TO 120") |      |                                     |      |                                   |      |             |      |                                 |      |                                     |      |                                   |      |             |      |                                 |      |                                     |      |                                   |      |      |      |
|-----------------------|-----|----------------------------------------------------------------------|------|-------------------------------------|------|-----------------------------------|------|-------------|------|---------------------------------|------|-------------------------------------|------|-----------------------------------|------|-------------|------|---------------------------------|------|-------------------------------------|------|-----------------------------------|------|------|------|
|                       |     | 72" DOOR OPENING WIDTH                                               |      |                                     |      |                                   |      |             |      | 84" DOOR OPENING WIDTH          |      |                                     |      |                                   |      |             |      | 96" DOOR OPENING WIDTH          |      |                                     |      |                                   |      |      |      |
|                       |     |                                                                      |      |                                     |      |                                   |      |             |      |                                 |      |                                     |      |                                   |      |             |      |                                 |      |                                     |      |                                   |      |      |      |
|                       |     | ALLOWABLE DESIGN PRESSURE (psf)                                      |      |                                     |      |                                   |      |             |      | ALLOWABLE DESIGN PRESSURE (psf) |      |                                     |      |                                   |      |             |      | ALLOWABLE DESIGN PRESSURE (psf) |      |                                     |      |                                   |      |      |      |
|                       |     | DJ1                                                                  |      | DJ2                                 |      | DJ3                               |      | DJ4         |      | DJ1                             |      | DJ2                                 |      | DJ3                               |      | DJ4         |      | DJ1                             |      | DJ2                                 |      | DJ3                               |      | DJ4  |      |
| 3305 +3300B           |     | 3306                                                                 |      | 3305 +3300B +<br>Flat Bar + Channel |      | 10220 or 3306 +<br>1"x4" Flat Bar |      | 3305 +3300B |      | 3306                            |      | 3305 +3300B +<br>Flat Bar + Channel |      | 10220 or 3306 +<br>1"x4" Flat Bar |      | 3305 +3300B |      | 3306                            |      | 3305 +3300B +<br>Flat Bar + Channel |      | 10220 or 3306 +<br>1"x4" Flat Bar |      |      |      |
| 9'0"                  | 10' | 9'0"                                                                 | 10'  | 9'0"                                | 10'  | 9'0"                              | 10'  | 9'0"        | 10'  | 9'0"                            | 10'  | 9'0"                                | 10'  | 9'0"                              | 10'  | 9'0"        | 10'  | 9'0"                            | 10'  | 9'0"                                | 10'  | 9'0"                              | 10'  |      |      |
|                       |     | 55.0                                                                 | 55.0 | 45.0                                | 45.0 | 75.0                              | 75.0 | 65.0        | 85.0 | 55.0                            | 55.0 | 45.0                                | 45.0 | 75.0                              | 75.0 | 65.0        | 85.0 | 55.0                            | 55.0 | 45.0                                | 45.0 | 75.0                              | 75.0 | 65.0 | 85.0 |
|                       |     | 55.0                                                                 | 55.0 | 45.0                                | 45.0 | 75.0                              | 75.0 | 65.0        | 85.0 | 55.0                            | 55.0 | 45.0                                | 45.0 | 75.0                              | 75.0 | 65.0        | 85.0 | 55.0                            | 55.0 | 42.3                                | 42.3 | 75.0                              | 75.0 | 65.0 | 85.0 |
|                       |     | 55.0                                                                 | 55.0 | 44.8                                | 44.8 | 75.0                              | 75.0 | 65.0        | 85.0 | 55.0                            | 55.0 | 41.2                                | 41.2 | 75.0                              | 75.0 | 65.0        | 85.0 | -                               | -    | -                                   | -    | -                                 | -    | 65.0 | 85.0 |
|                       |     | 53.9                                                                 | 53.9 | 40.1                                | 40.1 | 75.0                              | 75.0 | 65.0        | 85.0 | -                               | -    | -                                   | -    | -                                 | -    | 65.0        | 85.0 | -                               | -    | -                                   | -    | -                                 | -    | 65.0 | 85.0 |
|                       |     |                                                                      |      |                                     |      |                                   |      |             |      |                                 |      |                                     |      |                                   |      |             |      |                                 |      |                                     |      |                                   |      |      |      |
|                       |     | 55.0                                                                 | 55.0 | 45.0                                | 45.0 | 75.0                              | 75.0 | 65.0        | 85.0 | 55.0                            | 55.0 | 43.0                                | 43.0 | 75.0                              | 75.0 | 65.0        | 85.0 | 52.4                            | 52.4 | 38.9                                | 38.9 | 75.0                              | 75.0 | 65.0 | 85.0 |
|                       |     | 55.0                                                                 | 55.0 | 41.8                                | 41.8 | 75.0                              | 75.0 | 65.0        | 85.0 | 51.1                            | 51.1 | 38.0                                | 38.0 | 75.0                              | 75.0 | 65.0        | 85.0 | 46.8                            | 46.8 | -                                   | -    | 75.0                              | 75.0 | 65.0 | 85.0 |
|                       |     | 49.8                                                                 | 49.8 | 37.0                                | 37.0 | 75.0                              | 75.0 | 65.0        | 85.0 | 45.8                            | 45.8 | -                                   | -    | 75.0                              | 75.0 | 65.0        | 85.0 | -                               | -    | -                                   | -    | -                                 | -    | 65.0 | 85.0 |
|                       |     | 44.8                                                                 | 44.8 | -                                   | -    | 75.0                              | 75.0 | 65.0        | 85.0 | -                               | -    | -                                   | -    | -                                 | -    | 65.0        | 85.0 | -                               | -    | -                                   | -    | -                                 | -    | 65.0 | 85.0 |
|                       |     |                                                                      |      |                                     |      |                                   |      |             |      |                                 |      |                                     |      |                                   |      |             |      |                                 |      |                                     |      |                                   |      |      |      |
|                       |     | 53.8                                                                 | 53.8 | 40.0                                | 40.0 | 75.0                              | 75.0 | 65.0        | 85.0 | 48.2                            | 48.2 | 35.8                                | 35.8 | 75.0                              | 75.0 | 65.0        | 85.0 | 43.6                            | 43.6 | 30.0                                | 30.0 | 75.0                              | 75.0 | 65.0 | 85.0 |
|                       |     | 47.0                                                                 | 47.0 | 35.0                                | 35.0 | 75.0                              | 75.0 | 65.0        | 85.0 | 42.7                            | 42.7 | 30.0                                | 30.0 | -                                 | -    | 65.0        | 85.0 | -                               | -    | -                                   | -    | -                                 | -    | 65.0 | 85.0 |
|                       |     | 41.8                                                                 | 41.8 | 30.0                                | 30.0 | 75.0                              | 75.0 | 65.0        | 85.0 | -                               | -    | -                                   | -    | -                                 | -    | 65.0        | 85.0 | -                               | -    | -                                   | -    | -                                 | -    | 65.0 | 85.0 |
|                       |     | -                                                                    | -    | -                                   | -    | -                                 | -    | 65.0        | 85.0 | -                               | -    | -                                   | -    | -                                 | -    | 65.0        | 85.0 | -                               | -    | -                                   | -    | -                                 | -    | 65.0 | 79.8 |
|                       |     |                                                                      |      |                                     |      |                                   |      |             |      |                                 |      |                                     |      |                                   |      |             |      |                                 |      |                                     |      |                                   |      |      |      |
|                       |     | 45.5                                                                 | 45.5 | 33.8                                | 33.8 | 75.0                              | 75.0 | 65.0        | 85.0 | 40.7                            | 40.7 | 30.3                                | 30.3 | 72.0                              | 72.0 | 65.0        | 85.0 | -                               | -    | -                                   | -    | 70.8                              | 70.8 | 65.0 | 85.0 |
|                       |     | 39.9                                                                 | 39.9 | 29.7                                | 29.7 | 75.0                              | 75.0 | 65.0        | 85.0 | -                               | -    | 28.5                                | 28.5 | 69.6                              | 69.6 | 65.0        | 85.0 | -                               | -    | -                                   | -    | -                                 | -    | 65.0 | 85.0 |
|                       |     | -                                                                    | -    | -                                   | -    | 75.0                              | 75.0 | 65.0        | 85.0 | -                               | -    | -                                   | -    | -                                 | -    | 65.0        | 85.0 | -                               | -    | -                                   | -    | -                                 | -    | 65.0 | 81.6 |
|                       |     | -                                                                    | -    | -                                   | -    | -                                 | -    | 65.0        | 85.0 | -                               | -    | -                                   | -    | -                                 | -    | 65.0        | 85.0 | -                               | -    | -                                   | -    | -                                 | -    | 65.0 | 76.9 |
|                       |     |                                                                      |      |                                     |      |                                   |      |             |      |                                 |      |                                     |      |                                   |      |             |      |                                 |      |                                     |      |                                   |      |      |      |
|                       |     | 38.9                                                                 | 38.9 | 28.9                                | 28.9 | 75.0                              | 75.0 | 65.0        | 85.0 | 34.8                            | 34.8 | 25.9                                | 25.9 | 66.9                              | 66.9 | 65.0        | 85.0 | -                               | -    | -                                   | -    | -                                 | -    | 65.0 | 85.0 |
|                       |     | 34.2                                                                 | 34.2 | 25.4                                | 25.4 | 65.8                              | 65.8 | 65.0        | 85.0 | -                               | -    | -                                   | -    | 63.1                              | 63.1 | 65.0        | 85.0 | -                               | -    | -                                   | -    | -                                 | -    | 65.0 | 81.6 |
|                       |     | -                                                                    | -    | -                                   | -    | -                                 | -    | 65.0        | 81.6 | -                               | -    | -                                   | -    | -                                 | -    | 65.0        | 80.8 | -                               | -    | -                                   | -    | -                                 | -    | 65.0 | 74.5 |
|                       |     | -                                                                    | -    | -                                   | -    | -                                 | -    | 65.0        | 79.7 | -                               | -    | -                                   | -    | -                                 | -    | 65.0        | 73.6 | -                               | -    | -                                   | -    | -                                 | -    | 65.0 | 68.3 |
|                       |     |                                                                      |      |                                     |      |                                   |      |             |      |                                 |      |                                     |      |                                   |      |             |      |                                 |      |                                     |      |                                   |      |      |      |
|                       |     | 29.4                                                                 | 29.4 | 21.8                                | 21.8 | 56.5                              | 56.5 | 65.0        | 81.6 | -                               | -    | -                                   | -    | -                                 | -    | 65.0        | 75.9 | -                               | -    | -                                   | -    | -                                 | -    | 65.0 | 68.6 |
|                       |     | -                                                                    | -    | -                                   | -    | -                                 | -    | 65.0        | 74.8 | -                               | -    | -                                   | -    | -                                 | -    | 65.0        | 67.7 | -                               | -    | -                                   | -    | -                                 | -    | 61.9 | 61.9 |
|                       |     | -                                                                    | -    | -                                   | -    | -                                 | -    | 65.0        | 66.9 | -                               | -    | -                                   | -    | -                                 | -    | 65.0        | 61.2 | -                               | -    | -                                   | -    | -                                 | -    | 56.3 | 56.3 |
|                       |     | -                                                                    | -    | -                                   | -    | -                                 | -    | 60.5        | 60.5 | -                               | -    | -                                   | -    | -                                 | -    | 65.0        | 55.8 | -                               | -    | -                                   | -    | -                                 | -    | 51.7 | 51.7 |

Table 4 | DOOR JAMB LOAD CAPACITY  
(Refer to Elevs. 5, 6)



GLASS & ALUMINUM SOLUTIONS™

http://www.trulite.com

1750 Founders Pkwy, Suite. 154,  
Alpharetta GA, 30009  
p. 800-432-8132

PRODUCT:

3300 Impact  
Storefront System  
HVHZ - LMI

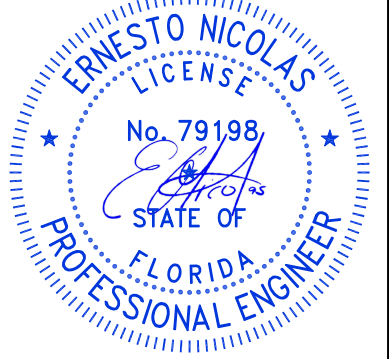
| REVN. | DATE / REMARKS                                              |
|-------|-------------------------------------------------------------|
| 1     | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
| 2     | 01/29/2026: 6" DEEP MULLION OPTION & UNREINF DR. JAMB QUAL. |
|       |                                                             |

ENGINEER:



950 SW 135th Way Sunrise,  
FL 33325 P. 786 474 3876  
Email: en3.engconsul@gmail.com

STAMP:



FLORIDA PRODUCT APPROVAL:

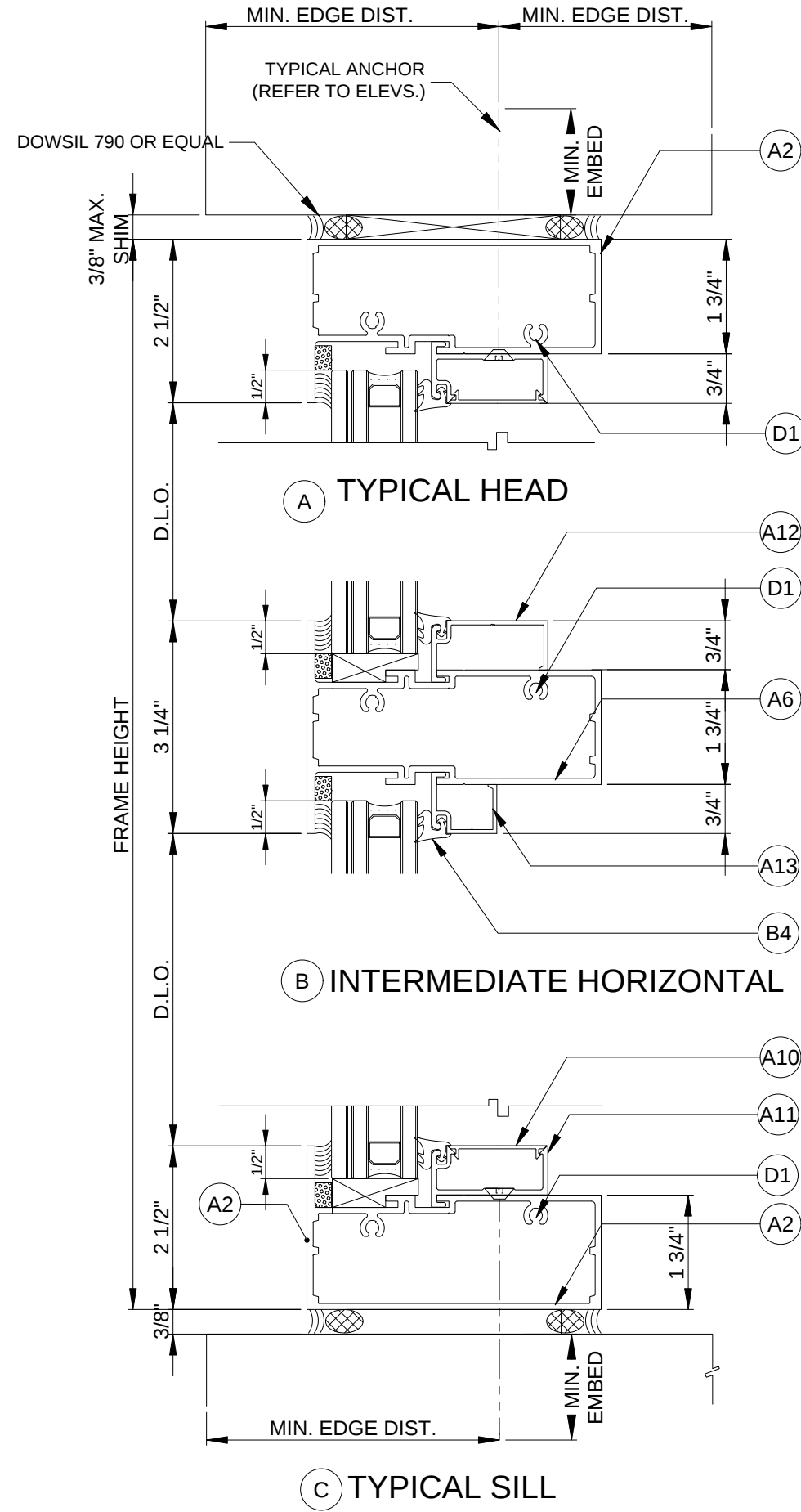
FL46133

DATE: DEC. 15, 2023

|                    |               |
|--------------------|---------------|
| Drwn: Erick        | CHK: ESN      |
| Drwg. No: 23FL-100 | SCALE: N.T.S. |

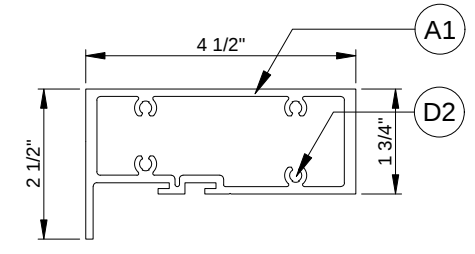
SHEET NO.:

10 of 17

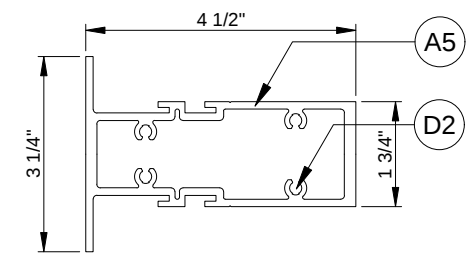


| DESIGN LOAD LIMITATION FOR 3302 INTERM. HORIZONTAL |                |                |          |
|----------------------------------------------------|----------------|----------------|----------|
| NOMINAL DIMS. (in)                                 |                | ALLOW Pd (PSF) |          |
| WIDTH (W)                                          | TRANSOM HEIGHT | Ext (+)        | Int. (-) |
|                                                    | 108"           | 60.0           | 85.0     |
|                                                    | 92"            | 70.0           |          |
| 42                                                 |                |                |          |
|                                                    |                |                |          |

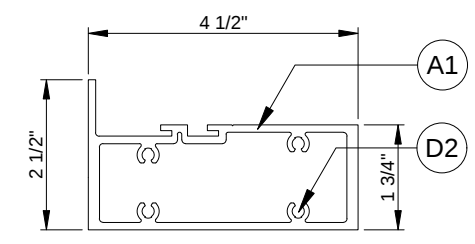
Table D | 3302 INTERM. HORIZONTALS  
LOAD CAPACITY TABLE



HEAD



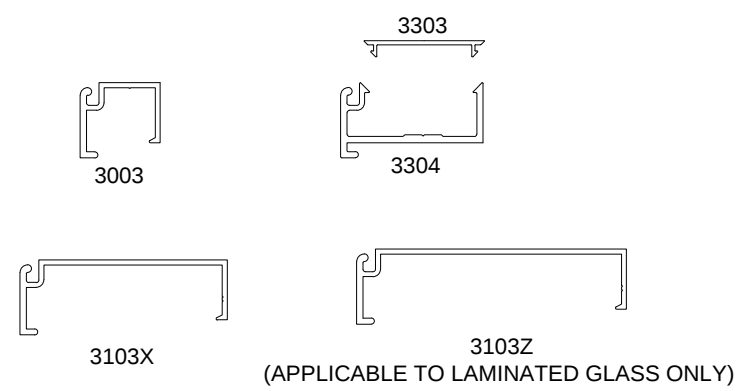
INTER. HORIZONTAL



SILL

### HORIZONTAL MEMBER OPTIONS

USE WHEN SIZE & LOADS EXCEEDED TABLE D



### GLASS STOP OPTIONS

**Trulite**  
GLASS & ALUMINUM SOLUTIONS™  
http://www.trulite.com  
1750 Founders Pkwy, Suite. 154,  
Alpharetta GA, 30009  
p. 800-432-8132

PRODUCT:

**3300 Impact  
Storefront System**  
HVHZ - LMI

| REVN. | DATE / REMARKS                                              |
|-------|-------------------------------------------------------------|
| 1     | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
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ENGINEER:

**EN3**

950 SW 135th Way Sunrise,  
FL 33325 P. 786 474 3876  
Email: en3.engconsul@gmail.com

STAMP:

**ERNESTO NICOLAS**  
LICENSE  
No. 79198  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

FLORIDA PRODUCT APPROVAL:

**FL46133**

|                     |               |
|---------------------|---------------|
| DATE: DEC. 15, 2023 |               |
| Drwn: Erick         | CHK: ESN      |
| Drwg. No: 23FL-100  | SCALE: N.T.S. |

SHEET NO.:

**11 of 17**

PRODUCT:

**3300 Impact  
Storefront System**  
HVHZ - LMI

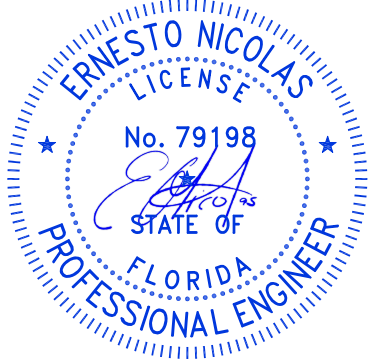
| REVN. | DATE / REMARKS                                              |
|-------|-------------------------------------------------------------|
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|       |                                                             |

ENGINEER:



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Email: [en3.engconsul@gmail.com](mailto:en3.engconsul@gmail.com)

STAMP:



FLORIDA PRODUCT APPROVAL:

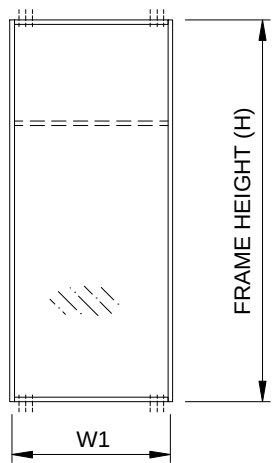
**FL46133**

DATE: DEC. 15, 2023

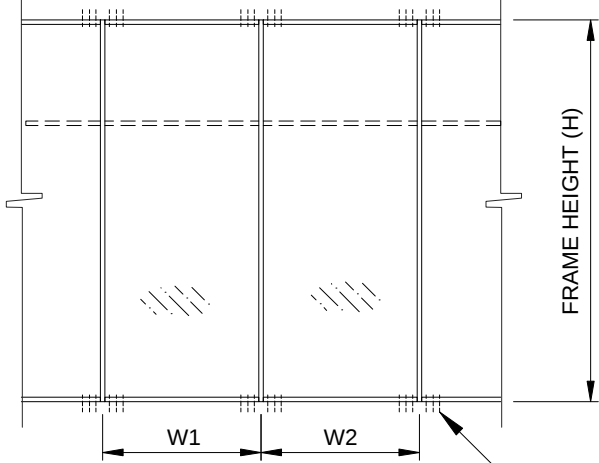
|                    |               |
|--------------------|---------------|
| Drwn: Erick        | CHK: ESN      |
| Drwg. No: 23FL-100 | SCALE: N.T.S. |

SHEET NO.:

**12 of 17**



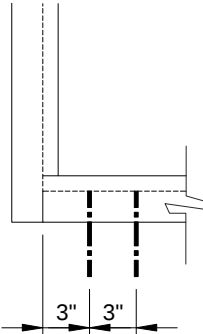
WIDTH (W) = W1 (JAMB)



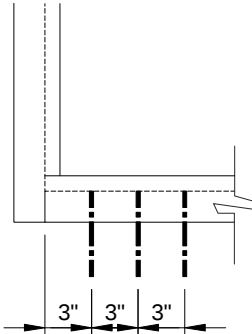
WIDTH (W) =  $\frac{W1 + W2}{2}$

ELEVS. 7

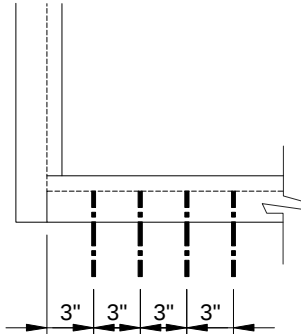
REFER TO ANCHOR  
LAYOUT ON THIS SHT.



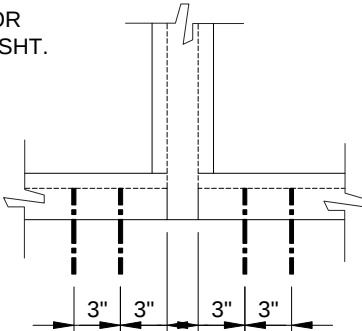
A2, B2, C2, D2, E2 or F2



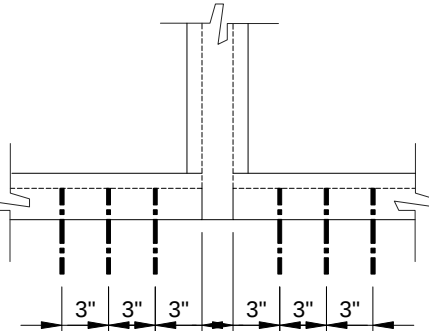
A3, B3, C3, D3, E3 or F3



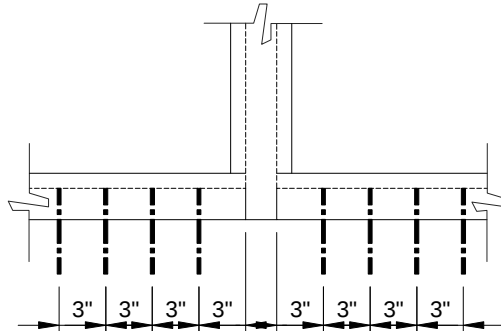
A4, B4, C4, D4, E4 or F4



A2, B2, C2, D2, E2 or F2



A3, B3, C3, D3, E3 or F3



A4, B4, C4, D4, E4 or F4

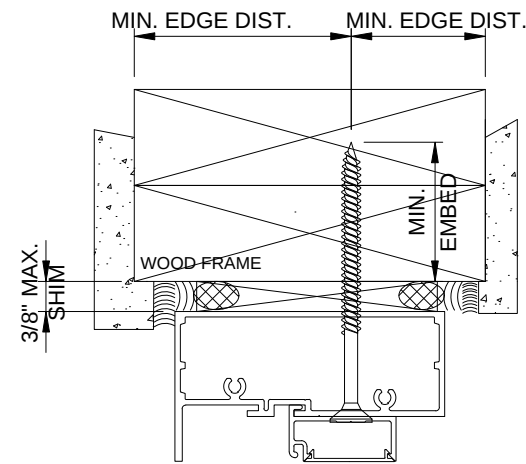
**ANCHOR LAYOUT**

**ANCHOR TYPES**

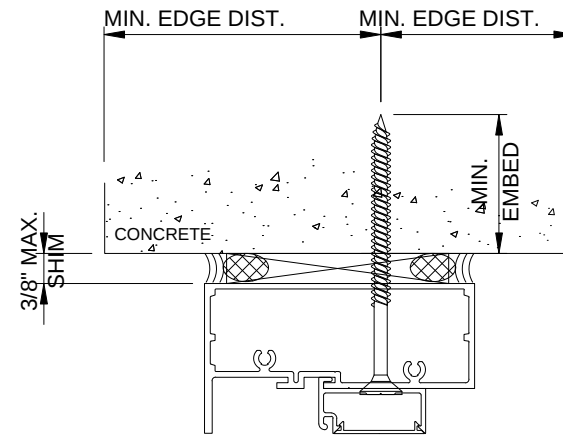
| TYPE | SUBSTRATE   | MATERIAL                                                                | MIN. EMBED (IN.)              | MIN. EDGE DIST. (IN.) |
|------|-------------|-------------------------------------------------------------------------|-------------------------------|-----------------------|
| A    | WOOD        | $\frac{1}{4}$ " $\tilde{N}$ - TAPCON (Fy = 100ksi & Fu = 125ksi min.)   | 1.50                          | 1.25                  |
| B    |             | $\frac{1}{4}$ " $\tilde{N}$ - ULTRACON (Fy = 148ksi & Fu = 164ksi min.) | 1.50                          | 1.25                  |
| C    | CONCRETE    | $\frac{1}{4}$ " $\tilde{N}$ - TAPCON (Fy = 100ksi & Fu = 125ksi min.)   | 1.75                          | 2.50                  |
| D    |             | $\frac{1}{4}$ " $\tilde{N}$ - ULTRACON (Fy = 148ksi & Fu = 164ksi min.) | 1.75                          | 2.50                  |
| E    | GROUTED CMU | $\frac{1}{4}$ " $\tilde{N}$ - ULTRACON (Fy = 148ksi & Fu = 164ksi min.) | 1.25                          | 2.50                  |
| F    | METAL       | $\frac{1}{4}$ " $\tilde{N}$ Gr. 5 Metal Screw                           | Min. 3 Threads pass substrate | 1.00                  |

**NOTE:**

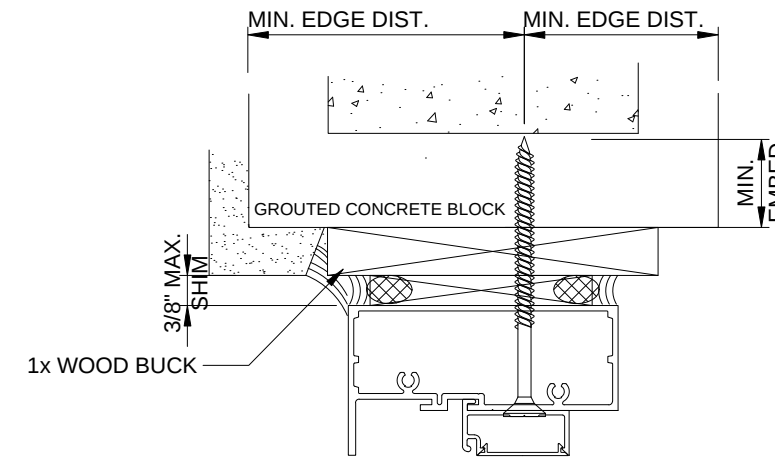
- MIN. SPECIFIC GRAVITY OF WOOD = 0.55
- MIN. CONCRETE COMPRESSIVE STRENGTH = 3000psi (NORMAL WEIGHT & UNCRACKED)
- MIN. COMPRESSIVE STRENGTH OF CONCRETE MASONRY = 2000PSI (MEDIUM WEIGHT & CONFORM TO ASTM C90)
- METAL SUBSTRATE SHALL BE STEEL (FY=33KSI MIN. & 16GA. THICK MIN.) OR ALUMINUM (6063-T5 MIN. & 0.10" THICK MIN.)



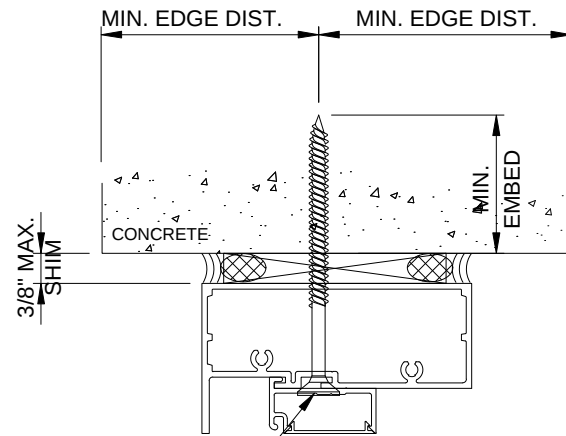
TYPE A or B



TYPE C or D

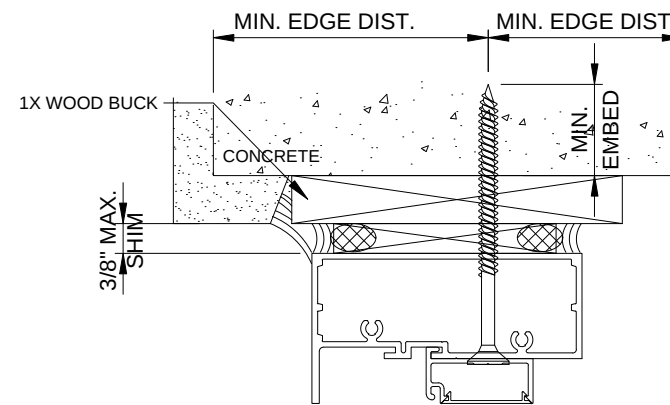


TYPE E

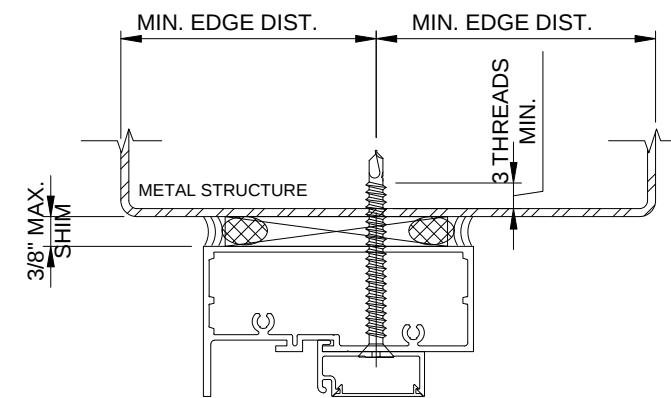


OPTIONAL ANCHOR LOCATION  
(APPLICABLE TO  
ALL ANCHOR TYPES)

TYP. ANCHOR LAY-OUT ON  
 $\frac{9}{16}$ " THICK GLASS



TYPE C or D



TYPE E

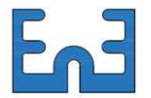
## ANCHOR ATTACHMENT DETAILS

PRODUCT:

## 3300 Impact Storefront System HVHZ - LMI

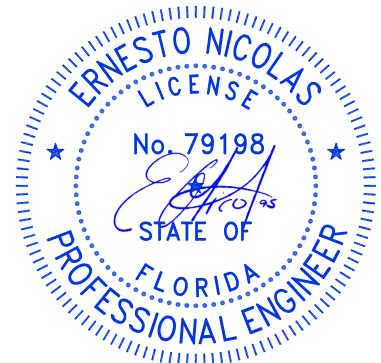
| REVN. | DATE / REMARKS                                              |
|-------|-------------------------------------------------------------|
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|       |                                                             |

ENGINEER:



950 SW 135th Way Sunrise,  
FL 33325 P. 786 474 3876  
Email: [en3.engconsult@gmail.com](mailto:en3.engconsult@gmail.com)

STAMP:



FLORIDA PRODUCT APPROVAL:

**FL46133**

DATE: DEC. 15, 2023

|                    |               |
|--------------------|---------------|
| Drwn: Erick        | CHK: ESN      |
| Drwg. No: 23FL-100 | SCALE: N.T.S. |

SHEET NO.:

**13 of 17**

[illegible][illegible]

PRODUCT:

# 3300 Impact Storefront System

## HVHZ - LMI

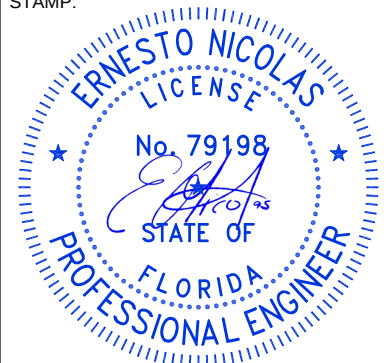
| REVN. | DATE / REMARKS                                              |
|-------|-------------------------------------------------------------|
| 1     | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
| 2     | 01/29/2026: 6" DEEP MULLION OPTION & UNREINF DR. JAMB QUAL. |
|       |                                                             |
|       |                                                             |

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Email: en3.engconsul@gmail.com

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FLORIDA PRODUCT APPROVAL:

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DATE: DEC. 15, 2023

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| Drwg. No: 23FL-100 | SCALE: N.T.S. |

SHEET NO.:

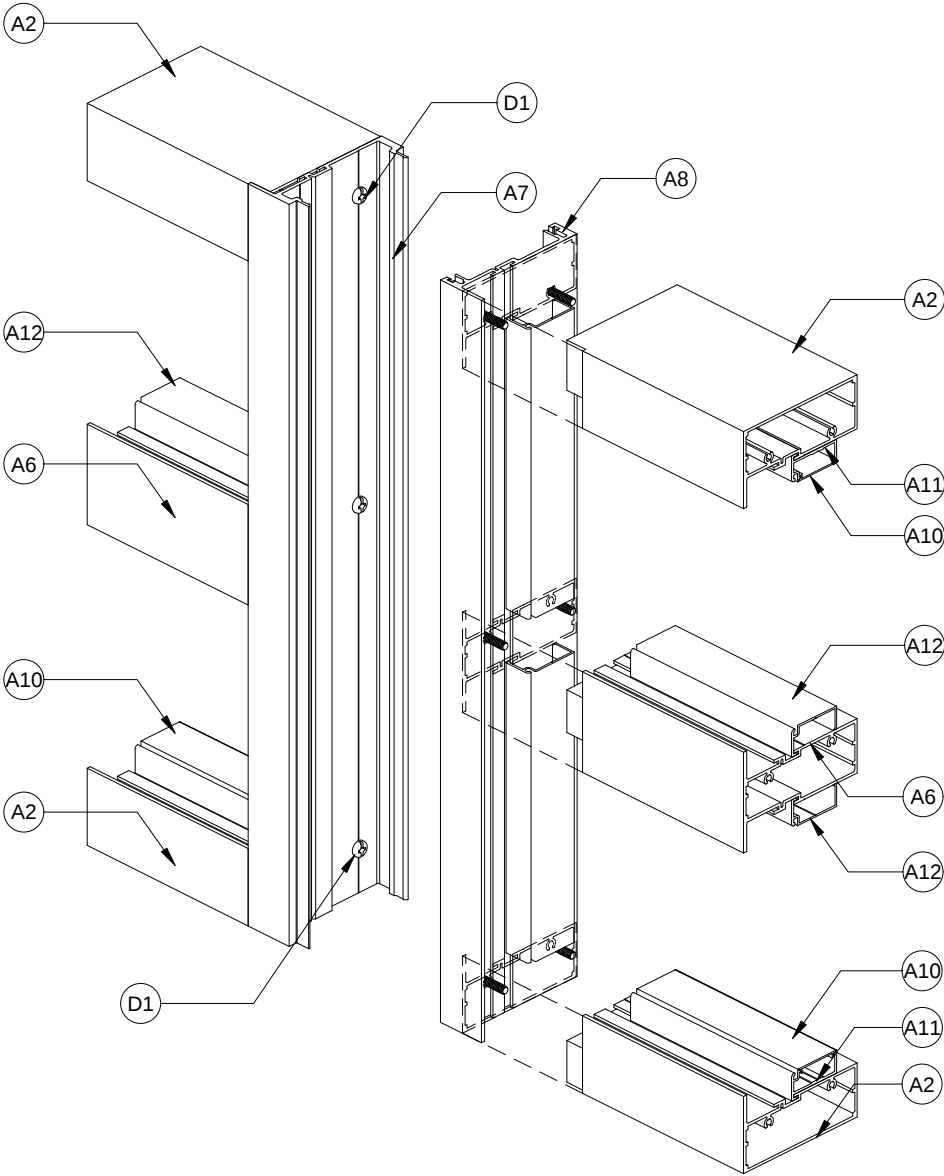


| 3300 SYSTEM PARTS TABLE |     |       |                                |                 |                      |                                     |
|-------------------------|-----|-------|--------------------------------|-----------------|----------------------|-------------------------------------|
| Item No.                | t b |       | 59{/wlt£lhb                    | 5la9b{lh b{     | a !£9w! ! [          | a ! \$bC ! /£\$w9w                  |
| A                       |     |       | I9!5 {£l[ [ W! a .             | b               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 2   |       | I9!5 {£l[ [ W! a .             | b               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 3   |       | 5hhwW! a .                     | b               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 4   |       | 5hhwW! a . W! a .              | b               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 5   |       | lb£ Ihw¿h b£! [                | b               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 6   |       | lb£ Ihw¿h b£! [                | b               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 7   | !     | a ! [9 a \$ [ [lh b            | b               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 8   | .     | C9a ! [9 a \$ [ [lh b          | b               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 9   |       | a ! [9 W! a .                  | b               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 10  |       | D [ ! { { £ht /h³9w            | b               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 11  |       | ht9b . ! /Y D [ ! { { £ht      | b               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 12  |       | D [ ! { { £ht                  | b               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 13  |       | D [ ! { { £ht                  | b               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 14  |       | £w! b {h a D [ ! { { £ht       | b               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 15  |       | £w! b {h a D [ ! { { £ht       | b               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 16  | ¹     | D [ ! { { £ht                  | -               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 17  | ¿     | D [ ! { { £ht                  | -               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 18  |       | £w! b {h a D [ ! { { £ht       | -               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 19  |       | £w! b {h a D [ ! { { £ht       | -               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 20  | 3307A | MALE MULLION                   | -               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 21  | 3307B | FEMALE MULLION                 | -               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 22  | 3309  | DOOR JAMB                      | -               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 23  | 3308  | MALE JAMB                      | -               | £ ! [ \$ a           | £w\$ [£9                            |
| A                       | 24  | 3314  | REINFORCEMENT                  | -               | £ ! [ \$ a           | £w\$ [£9                            |
|                         |     |       |                                |                 |                      |                                     |
| B                       |     | wD    | CldbD9w D ! {Y9£               | -               | 9t5 a                | £w\$ [£9                            |
| B                       | 2   | I W   | {9£ . [h/Y Chw D [ ! { {       | ¹ ¹             | 9t5 a                | £w\$ [£9                            |
| B                       | 3   | I 5   | {9£ . [h/Y Chw D [ ! { {       | ¹ ¹             | 9t5 a                | £w\$ [£9                            |
| B                       | 4   | wD    | GLAZING GASKET                 | -               | 9t5 a                | £w\$ [£9                            |
|                         |     |       |                                |                 |                      |                                     |
| C                       | 1   | ³     | D [ ! ¿lbD £! t9               | b               | Ch! a £! t9          | ³!wL9{                              |
| C                       | 2   |       | 5h ´ { [ [                     | -               | { [ [ /hb9           | 5h ´ { [ [                          |
| C                       | 3   |       | twhD [ ! ¿9 { {D               | -               | { [ [ /hb9           | £w9 a /h                            |
| C                       | 4   |       | {LY! { [ [ {D                  | -               | { [ [ /hb9           | {LY!                                |
| C                       | 5   |       | 5h ´ { [ [                     | -               | { [ [ /hb9           | 5h ´ { [ [                          |
| C                       | 6   |       | ! [ \$alb\$ a D [ ! { { t! /9w | -               | ! [ \$alb\$ a        | I9 [La ! I9 [³9b£lh b lb£<br>³!wL9{ |
| C                       | 7   | {£    | STEEL REINFORCEMENT            | / ¹ ¹ £IY       | / ! alb .!w ! Dw     | ³!wL9{                              |
| C                       | 8   | {£    | STEEL REINFORCEMENT            | / ¹ ¹ ¹ .!w     | / ! alb .!w ! Dw     | ³!wL9{                              |
| C                       | 9   | {£    | STEEL REINFORCEMENT            | / ¹ ¹ ¹ .!w     | / ! alb .!w ! Dw     | ³!wL9{                              |
| C                       | 10  | {£    | STEEL REINFORCEMENT            | / ¹ ¹ ¹ .!w     | / ! alb .!w ! Dw     | ³!wL9{                              |
| C                       | 11  | {£    | STEEL REINFORCEMENT            | / b b b         | {£99 [ ! Dw          | ³!wL9{                              |
| C                       | 12  | -     | -                              | -               | -                    | -                                   |
| C                       | 13  | -     | £Iw\$ .h [£                    | -               | {£99 [ Dw alb        | ³!wL9{                              |
| C                       | 14  | {£ ¹  | STEEL REINFORCEMENT            | 1"X4" FLAT BAR  | {£99 [ ! Dw          | ³!wL9{                              |
|                         |     |       |                                |                 |                      |                                     |
| D                       | 1   |       | ! { {9a . [º { /w9 ´ {         | b tI £ / a { Dw | {£99 [ ¿lb / /h! £95 | ! [ [hº C! {£9b9w                   |
| D                       | 2   |       | ! { {9a . [º { /w9 ´ {         | b ttI a { Dw    | {£99 [ ¿lb / /h! £95 | ! [ [hº C! {£9b9w                   |
| D                       | 3   |       | w9£9b£lh b { /w9 ´ w9lbc       | b- tCI a {      | {£99 [ ¿lb / /h! £95 | ! [ [hº C! {£9b9w                   |

SERIES 3300 STOREFRONT SYSTEM

NOTES:

1. GLASS NOT SHOWN FOR CLARITY.
2. FRAME AND PANEL CORNERS, INSTALLATION SCREWS TO BE SEALED WITH CLEAR SEALANT.
3. FRAME DETAIL ABOVE SHOWS CONNECTIONS OF HORIZONTALS MEMBERS TO VERTICAL MEMBERS. JAMBS AND MULLIONS CAN BE WITH OR WITHOUT REINFORCEMENTS. SEE SHEETS 4 THRU 9 FOR OPTIONS.



PRODUCT:

3300 Impact  
Storefront System  
HVHZ - LMI

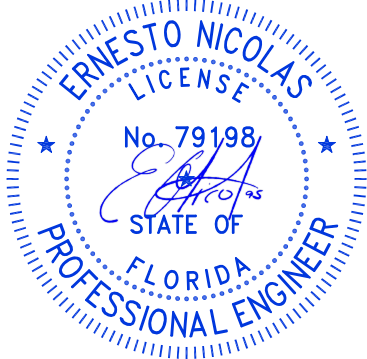
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FL 33325 P. 786 474 3876  
Email: en3.engconsul@gmail.com

STAMP:



FLORIDA PRODUCT APPROVAL:

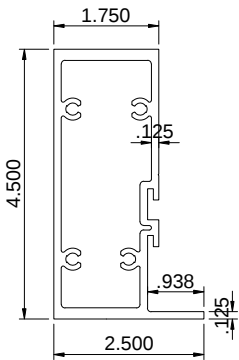
FL46133

DATE: DEC. 15, 2023

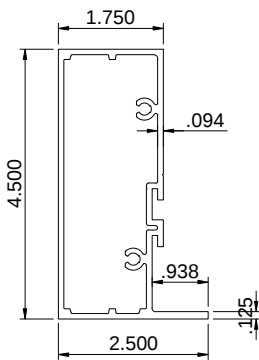
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| Drwn: Erick        | CHK: ESN      |
| Drwg. No: 23FL-100 | SCALE: N.T.S. |

SHEET NO.:

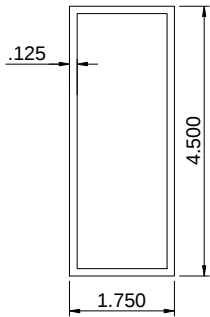
3300 PARTS TABLE



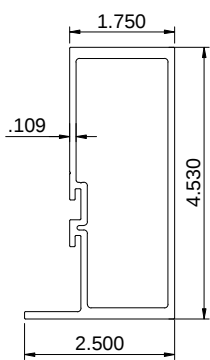
A1) 3311 HEAD/SILL/JAMB



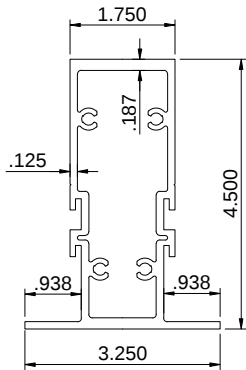
A2) 3301 HEAD/SILL/JAMB



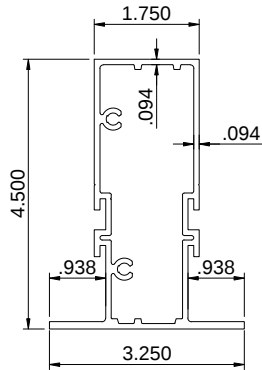
A3) 10220 DOOR JAMB



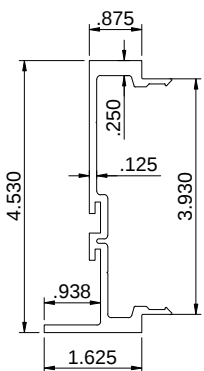
A4) 3306 DOOR JAMB



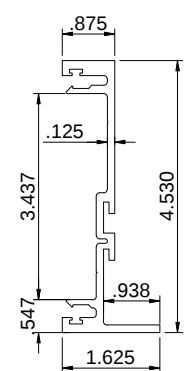
A5) 3312 INT. VERTICAL/HORIZONTAL



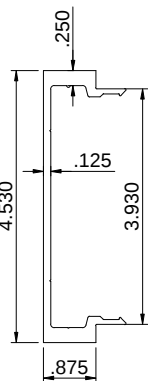
A6) 3302 INT. VERTICAL/HORIZONTAL



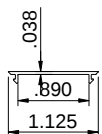
A7) 3300A MALE MULLION



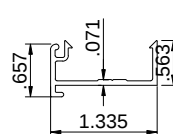
A8) 3300B FEMALE MULLION



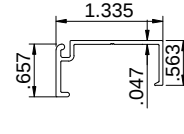
A9) 3305 MALE JAMB



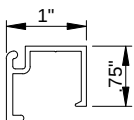
A10) 3303 GLASS STOP COVER



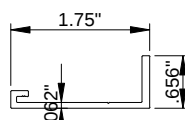
A11) 3304 OPEN BACK GLASS STOP



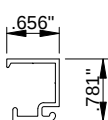
A12) 3103 GLASS STOP



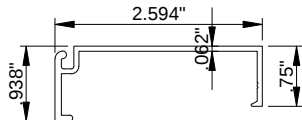
A13) 3003 GLASS STOP



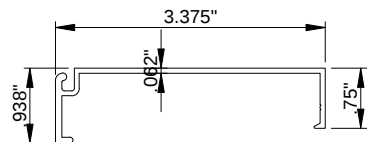
A14) 3008 GLASS STOP



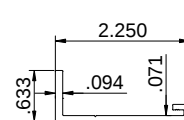
A15) 3009 GLASS STOP



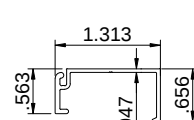
A16) 3103X GLASS STOP



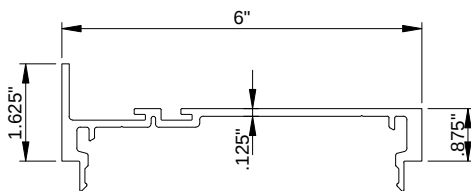
A17) 3103Z GLASS STOP



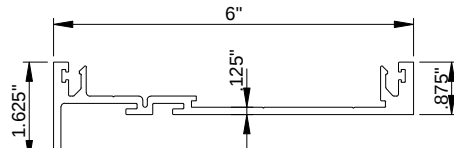
A18) 3108 GLASS STOP



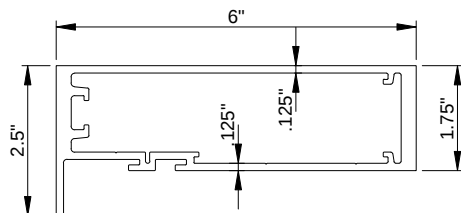
A19) 3109 GLASS STOP



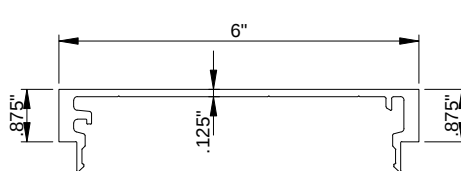
A20) 3307A MALE MULLION



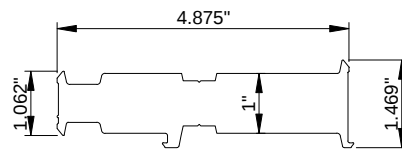
A21) 3307B FEMALE MULLION



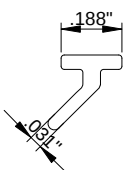
A22) 3309 DOOR JAMB



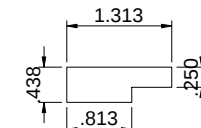
A23) 3308 MALE JAMB



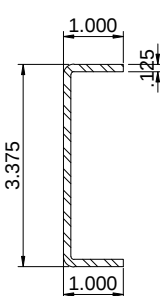
A24) 3314 REINFORCEMENT



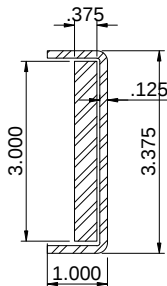
B1) RG-33 FINGER GASKET



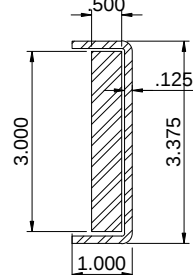
B2) H62J SETTING BLOCK



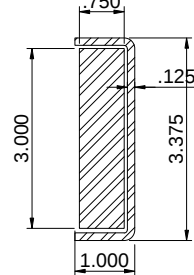
C7) ST330 STEEL REINF.



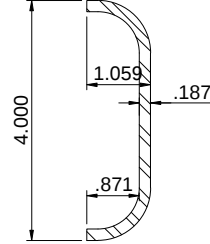
C8) ST332 STEEL REINF.



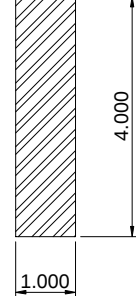
C9) ST333 STEEL REINF.



C10) ST334 STEEL REINF.



C11) ST337 STEEL REINF.



C14) ST351X STEEL REINF.



<http://www.trulite.com>

1750 Founders Pkwy, Suite. 154,  
Alpharetta GA, 30009  
p. 800-432-8132

PRODUCT:

3300 Impact  
Storefront System  
HVHZ - LMI

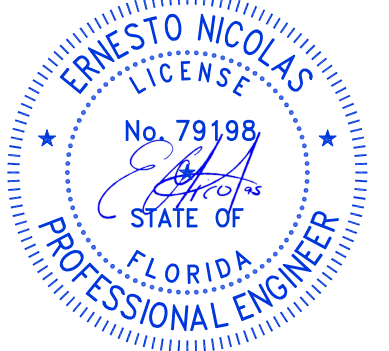
| REVN. | DATE / REMARKS                                              |
|-------|-------------------------------------------------------------|
| 1     | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
| 2     | 01/29/2026: 6" DEEP MULLION OPTION & UNREINF DR. JAMB QUAL. |

ENGINEER:



950 SW 135th Way Sunrise,  
FL 33325 P. 786 474 3876  
Email: en3.engconsul@gmail.com

STAMP:



FLORIDA PRODUCT APPROVAL:

FL46133

DATE: DEC. 15, 2023

|                    |               |
|--------------------|---------------|
| Drwn: Erick        | CHK: ESN      |
| Drwg. No: 23FL-100 | SCALE: N.T.S. |

SHEET NO.: