

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 9TH EDITION (2026) 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 E1996)
  - TAS 203-94 (ASTM E 1886)

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
2.

THIS STOREFRONT SYSTEM IS RATED FOR LARGE & SMALL MISSILE IMPACT. SHUTTERS ARE NOT REQUIRED.
3.

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE OBSERVED.
4.

THE MAIN STRUCTURE WHERE THIS STOREFRONT SYSTEM WILL BE INSTALLED MUST BE CAPABLE OF SUPPORTING ALL THE LOADS IMPOSED BY THIS STOREFRONT SYSTEM.
5.

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.

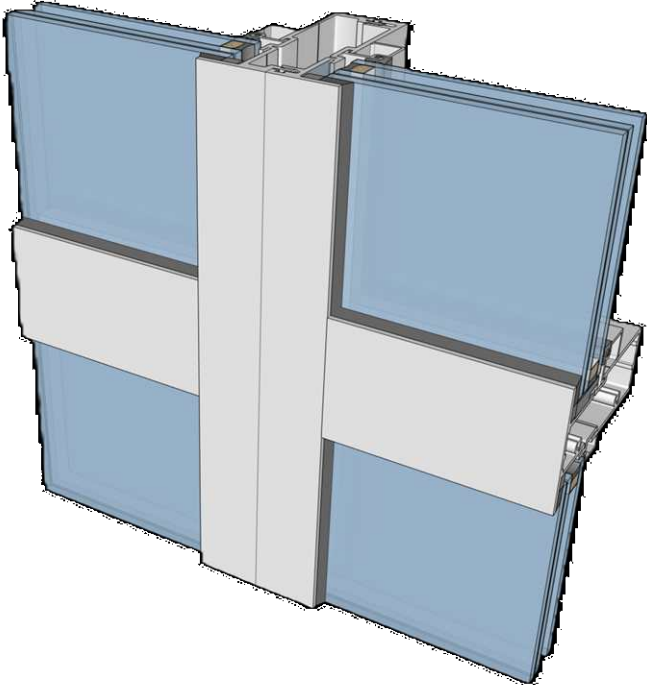
INSTALLATION ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS.
6.

INSTALLATION ANCHORS, FASTENERS AND CONNECTORS SHALL MEET THE CORROSION RESISTANCE REQUIREMENTS OF FBC 2026 SECTION 1711.
7.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL/METAL SCREWS THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2026 FLORIDA BUILDING CODE & ADAPTED STANDARDS.
8.

ALL SHIMS TO BE HIGH IMPACT, NON-METALLIC AND NON-COMPRESSIBLE.
9.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.



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

TYP. - TYPICAL

FH - FRAME HEIGHT

DOW - DOOR OPENING WIDTH

DOH - DOOR OPENING HEIGHT

DP - DESIGN PRESSURE

NTS - NOT TO SCALE

W - WIDTH

H - HEIGHT

DP - DESIGN PRESSURE

SLW - SIDELITE WIDTH

O.C.- ON CENTER
- H.S. - HEAT STRENGTHENED

TEMP. - TEMPERED

FPA - FLORIDA PRODUCT APPROVAL

TBL. - TABLE

SHT. - SHEET

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.



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

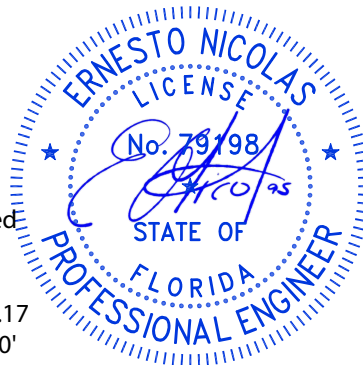
| REVN. | DATE / REMARKS                                              |
|-------|-------------------------------------------------------------|
| 1     | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
| 2     | 01/29/2026: 6" DEEP MULLION OPTION & UNREINF DR. JAMB QUAL. |
| 3     | 09/04/2026: FBC 2026 UPDATE                                 |

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.:

1 of 17

Ernesto  
Nicolas

Digitally signed by Ernesto Nicolas  
Date: 2026.09.17 15:16:40 -0400

PRODUCT:

## 3300 Impact Storefront System HVHZ - LMI

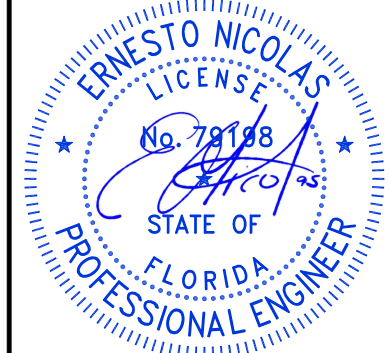
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| 1     | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
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Email: [en3.engconsul@gmail.com](mailto:en3.engconsul@gmail.com)

STAMP:



FLORIDA PRODUCT APPROVAL:

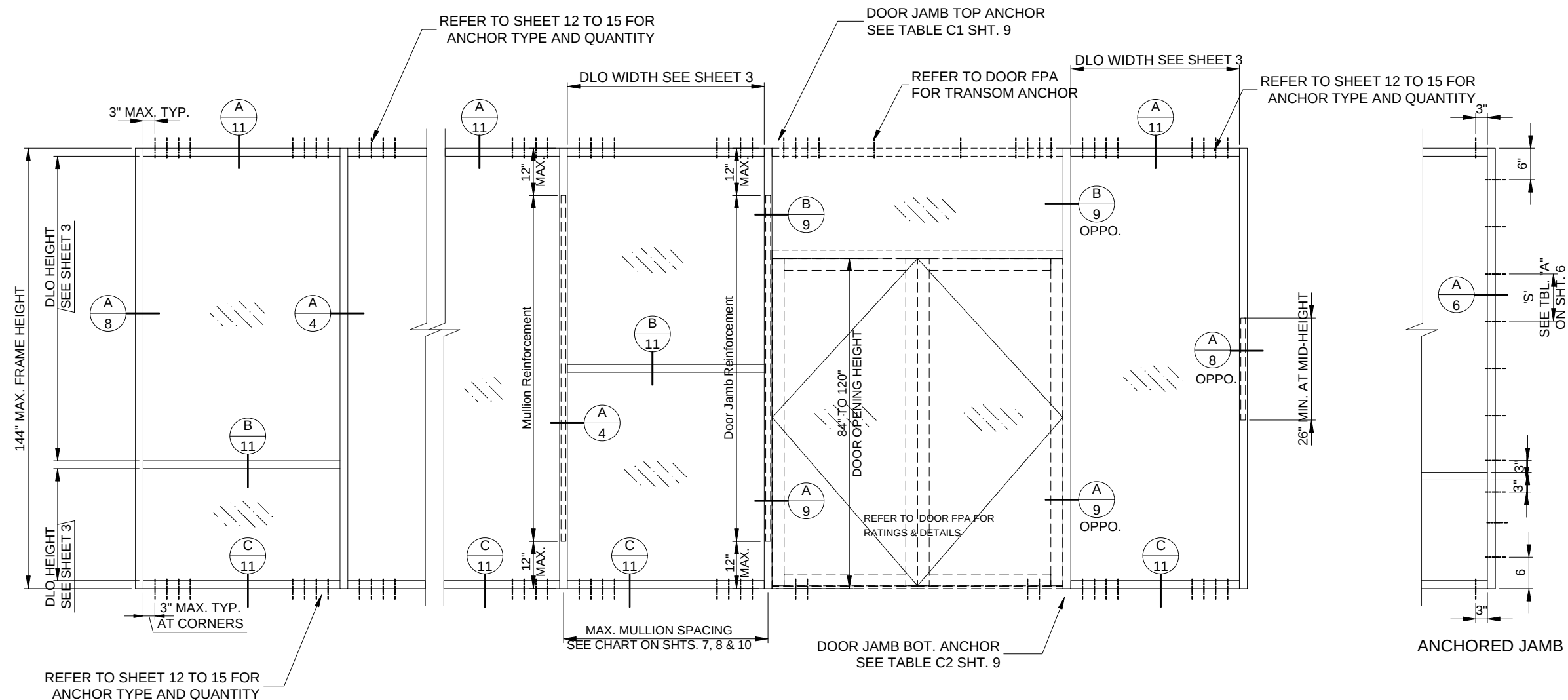
# FL46133

DATE: DEC. 15, 2023

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

SHEET NO.:

## 2 of 17



## TYPICAL ELEVATIONS

1-5/16\"

- 1/4\"
- INTERLAYER OPTIONS \*
- 1/4\"
- 1/2\" AIR SPACE / ALUM. BOX SPACER
- 1/4\" TEMP. GLASS

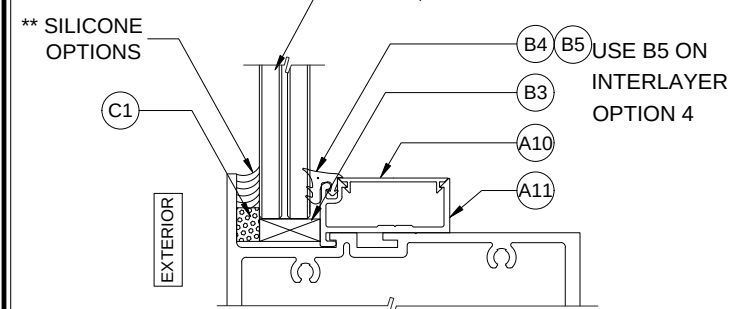
### \* INTERLAYER OPTIONS:

1. 0.090\"
2. 0.100 SAFLEX HP BY EASTMAN CHEMICAL CO.
3. 0.075\" SAFLEX STORM INTERLAYER BY EASTMAN CHEMICAL CO.
4. 0.090\" SENTRYGLAS® BY KURARAY AMERICA INC.
5. 0.180\" SENTRYGLAS® BY KURARAY AMERICA INC. (LEVEL 'E' IMPACT)
6. 0.090\" EVERLAM PVB CLEAR INTERLAYER
7. 0.090\" LAM50 PVB INTERLAYER BY EVERLAM
8. 0.090\" SUPER TOUGH PVB INTERLAYER BY EVERLAM

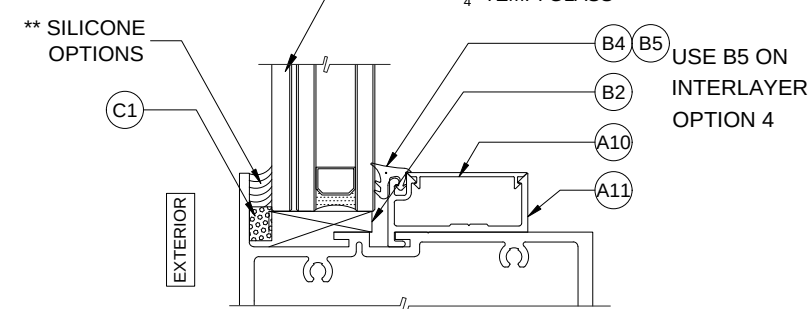
### \*\* SILICONE OPTIONS:

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

9/16\"



GLASS TYPE 1

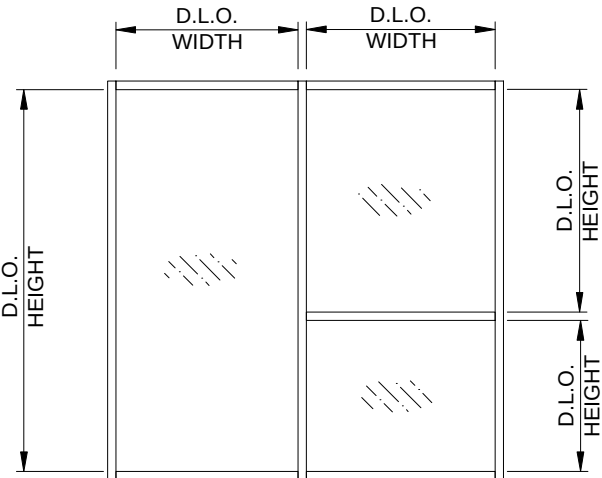


GLASS TYPE 2

## GLAZING OPTIONS

| D[!{{ [h!5 / !t! /L☿, ඳJăŕŭ |        |                           |                   |                  |                   |                     |                                 |                   |                                |                                |                                |                                |                                |                   |    |
|-----------------------------|--------|---------------------------|-------------------|------------------|-------------------|---------------------|---------------------------------|-------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|--------------------------------|-------------------|----|
| DLO (in)                    |        | GLASS TYPES               |                   |                  |                   |                     |                                 |                   |                                |                                |                                |                                |                                |                   |    |
|                             |        | EASTMAN SAFLEX INTERLAYER |                   |                  |                   |                     | KURARAY SENTRYGLAS <sup>®</sup> |                   |                                |                                | EVERLAM PVB                    |                                |                                |                   |    |
|                             |        | 0.090" SAFLEX PVB         |                   | 0.100" SAFLEX HP |                   | 0.075" SAFLEX STORM | 0.090" SENTRYGLAS <sup>®</sup>  |                   | 0.180" SENTRYGLAS <sup>®</sup> |                                | 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. | 9/16" LAM. / 1 5/16" INS./LAM. | 9/16" LAM. / 1 5/16" INS./LAM. | 9/16" LAM. / 1 5/16" INS./LAM. | 9/16" LAM. / 1 5/16" INS./LAM. |                   |    |
|                             |        | ☿, t9 !H                  | ☿, t9 .H          | ☿, t9 !O         | ☿, t9 .O          | ☿, t9 .n            | ☿, t9 !p                        | ☿, t9 .p          | ☿, t9 !c λ ☿, t9 .c (¡S8S! 99) | ☿, t9 .T                       | ☿, t9 !y λ ☿, t9 .y            | ☿, t9 !φ λ ☿, t9 .φ            | ☿, t9 !φ λ ☿, t9 .φ            |                   |    |
| Width                       | Height | 9-☿!6λ λ!b☿!99            | 9-☿!6λ λ!b☿!99    | 9-☿!6λ λ!b☿!99   | 9-☿!6λ λ!b☿!99    | 9-☿!6λ λ!b☿!99      | 9-☿!6λ λ!b☿!99                  | 9-☿!              | !b☿!                           | 9-☿!6λ λ!b☿!99                 | 9-☿!                           | !b☿!                           | 9-☿!                           | !b☿!              |    |
| 0Tλyc                       | ty     | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 32.75                       |        | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 38.75                       |        | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 44.75                       |        | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 50.75                       |        | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 56.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | ρ                              | ρ                              | ym                | 85 |
| 62.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 72.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 74.75                       | ΦM     | ρ                         | ΦM                | ρ                | ΦC                | ΦM                  | xp                              | 85                | 85                             | ρ                              | ρ                              | ρ                              | ρ                              | ρ                 |    |
| 0Tλyc                       | 73     | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 32.75                       |        | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 38.75                       |        | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 44.75                       |        | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 50.75                       |        | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | ρ                              | ρ                              | ym                | 85 |
| 56.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | ρ                              | ρ                              | ym                | 85 |
| 62.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 68.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 72.00                       | ΦM     | ρ                         | ΦM                | ρ                | ΦC                | ΦM                  | xp                              | 85                | 85                             | ρ                              | ρ                              | ρ                              | ρ                              | ρ                 |    |
| 74.75                       | ρ      | ρ                         | ρ                 | ρ                | ρ                 | ρ                   | ρ                               | 85                | 85                             | ρ                              | ρ                              | ρ                              | ρ                              | ρ                 |    |
| 0Tλyc                       | 79     | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 32.75                       |        | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 38.75                       |        | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 44.75                       |        | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 50.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | ρ                              | ρ                              | ym                | 85 |
| 56.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 62.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 68.75                       |        | ρ                         | ρ                 | ρ                | ρ                 | ρ                   | ρ                               | xp                | 85                             | 85                             | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 0Tλyc                       | 85     | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 32.75                       |        | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 38.75                       |        | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 44.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | ρ                              | ρ                              | ym                | 85 |
| 50.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 56.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 62.75                       |        | ρ                         | ρ                 | ρ                | ρ                 | ρ                   | ρ                               | xp                | 85                             | 85                             | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 63.50                       |        | ρ                         | ρ                 | ρ                | ρ                 | ρ                   | ρ                               | xp                | ρ                              | ρ                              | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 0Tλyc                       | 92     | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 32.75                       |        | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 38.75                       |        | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 39.25                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 45.25                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | ρ                              | ρ                              | ym                | 85 |
| 50.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 56.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 60.00                       |        | ρ                         | ρ                 | ρ                | ρ                 | ρ                   | ρ                               | xp                | ρ                              | ρ                              | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 0Tλyc                       | 97     | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 32.75                       |        | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 38.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | ρ                              | ρ                              | ym                | 85 |
| 43.00                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | ρ                              | ρ                              | ρ                              | ym                | 85 |
| 44.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 50.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 56.00                       |        | ρ                         | ρ                 | ρ                | ρ                 | ρ                   | ρ                               | xp                | 85                             | 85                             | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 56.75                       |        | ρ                         | ρ                 | ρ                | ρ                 | ρ                   | ρ                               | ρ                 | 85                             | 85                             | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 0Tλyc                       | 103    | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 32.75                       |        | ΦM                        | yc                | ΦM               | yc                | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | TC                             | yc                             | ym                | 85 |
| 38.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | TC                             | ρ                              | ρ                              | ym                | 85 |
| 44.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 50.75                       |        | ΦM                        | ρ                 | ΦM               | ρ                 | ΦC                  | ΦM                              | xp                | 85                             | 85                             | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |
| 53.00                       |        | ρ                         | ρ                 | ρ                | ρ                 | ρ                   | ρ                               | xp                | ρ                              | ρ                              | ρ                              | ρ                              | ρ                              | ρ                 | ρ  |

Table 1 | GLASS CAPACITY



- NOTE:
- GLASS CAPACITIES ON THIS SHEET WERE VERIFIED BASED ON ASTM E1300-16 (3 SEC. GUSTS).
  - PROVIDE 2 SETTING BLOCKS PER GLASS PANEL AS PER FBC CHAPTER 24. SETTING BLOCK TO BE LOCATED AT L/4 FOR SPAN Ø54" AT L/8 FOR SPAN Ø 66" AND AT 4" FROM ENDS FOR SPAN GREATER THAN 66".
  - OTHER GLASS SIZES ARE QUALIFIED AS LONG AS EQUAL OR LESS THAN TESTED AREA.
  - INSULATED GLASS SEALANT:  
PRIMARY SEALANT: PIB-POLYISOBUTYLENE  
SECONDARY SEALANT: SILICONE SEALANT



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

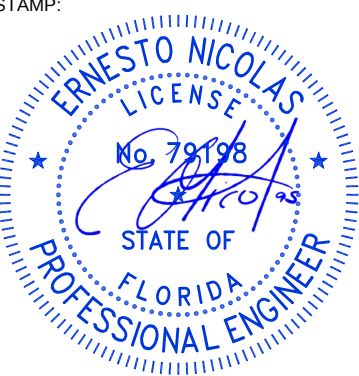
| REV.N. | DATE / REMARKS                                              |
|--------|-------------------------------------------------------------|
| 1      | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
| 2      | 01/29/2026: 6" DEEP MULLION OPTION & UNREINF DR. JAMB QUAL. |
| 3      | 09/04/2026: FBC 2026 UPDATE                                 |

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.:

# 3 of 17

PRODUCT:

**3300 Impact  
Storefront System**  
HVHZ - LMI

| REVN. | DATE / REMARKS                                              |
|-------|-------------------------------------------------------------|
| 1     | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
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Email: [en3.engconsul@gmail.com](mailto:en3.engconsul@gmail.com)

STAMP:



FLORIDA PRODUCT APPROVAL:

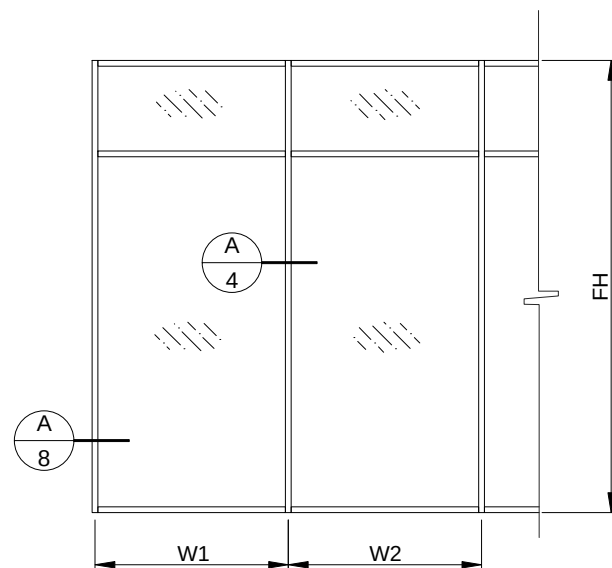
**FL46133**

DATE: DEC. 15, 2023

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

SHEET NO.:

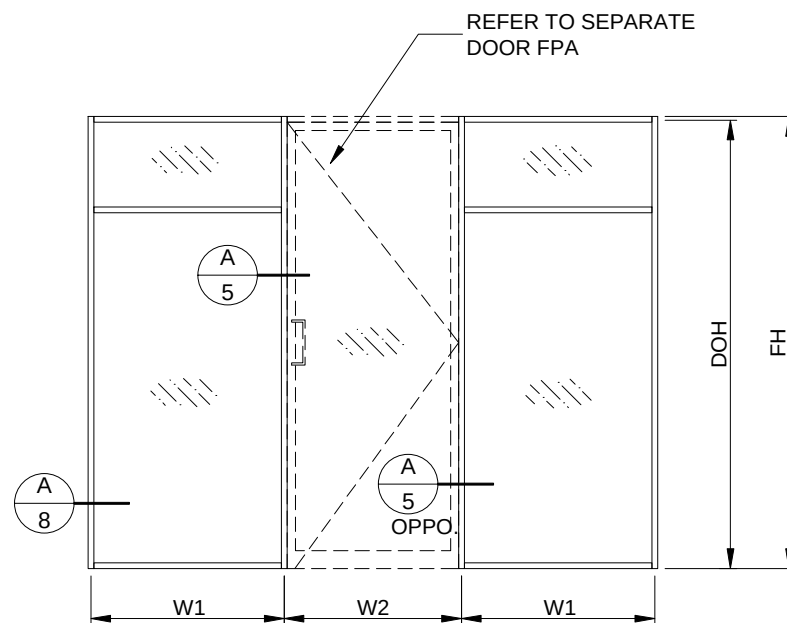
**4 of 17**



ELEV. 1

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

$$\text{WIDTH (W)} = W1 \text{ (JAMB)}$$

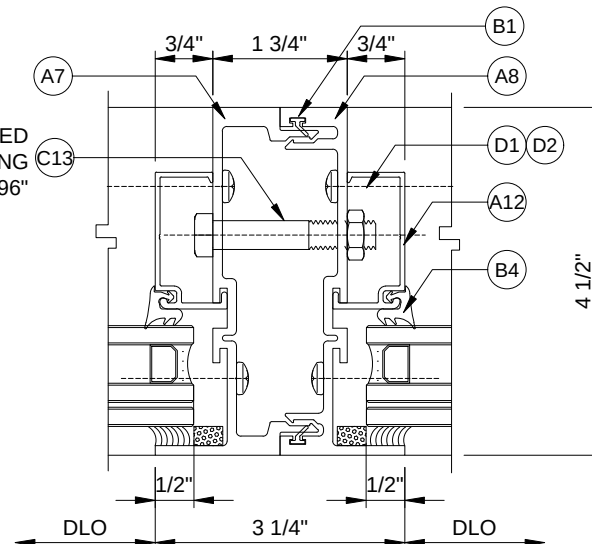


ELEV. 2

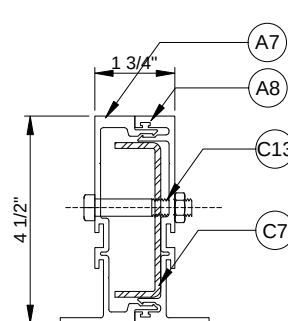
ELEVATIONS

TRU-BOLT REQUIRED  
IF HORIZONTAL SPACING  
EXCEEDS 96"

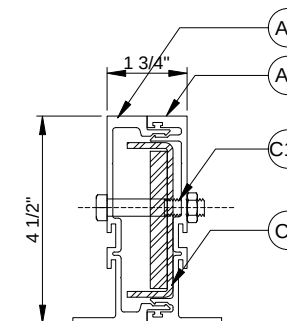
| a  | [[Lhb] aH] | tE uLyPw |
|----|------------|----------|
| A7 | A8         | 6.875    |



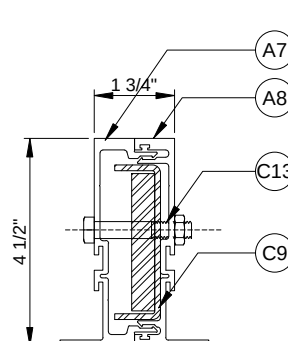
**A STANDARD MULLION**  
REFER TO ELEV. 1



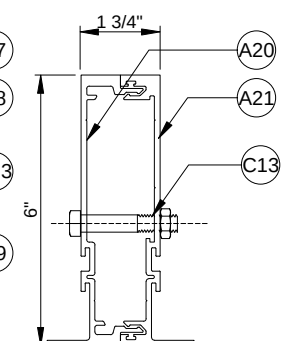
| a    | [[Lhb] aH] | tE uLyPw |
|------|------------|----------|
| A7   | A8         | 6.875    |
| C7   | uLy !deYw  | 2.930    |
| chc! |            | 9.805    |



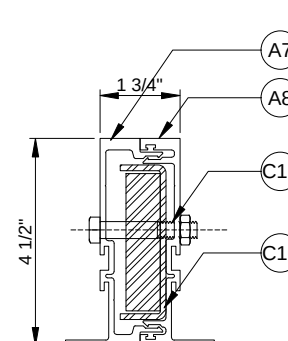
| a    | [[Lhb] aH] | tE uLyPw |
|------|------------|----------|
| A7   | A8         | 6.875    |
| C8   | uLy !deYw  | 5.377    |
| chc! |            | 12.252   |



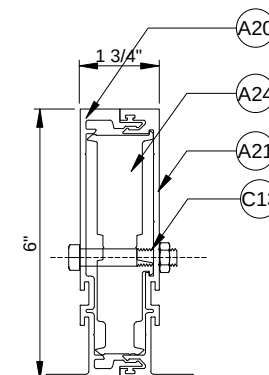
| a    | [[Lhb] aH] | tE uLyPw |
|------|------------|----------|
| A7   | A8         | 6.875    |
| C9   | uLy !deYw  | 6.193    |
| chc! |            | 13.067   |



| a   | [[Lhb] aH] | uhtchb  |
|-----|------------|---------|
| A20 | A21        | 14.1086 |

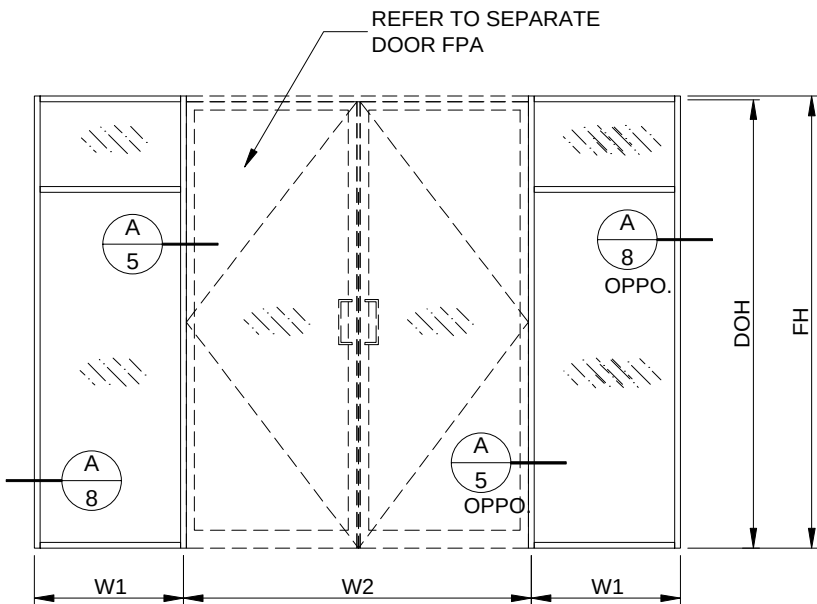


| a    | [[Lhb] aH] | tE uLyPw |
|------|------------|----------|
| A7   | A8         | 6.875    |
| C10  | uLy !deYw  | 7.824    |
| chc! |            | 14.699   |



| a    | [[Lhb] aH] | tE uLyPw |
|------|------------|----------|
| A20  | A21        | 14.1086  |
| A24  | uLy !deYw  | 8.800    |
| chc! |            | 22.9081  |

MULLION OPTIONS

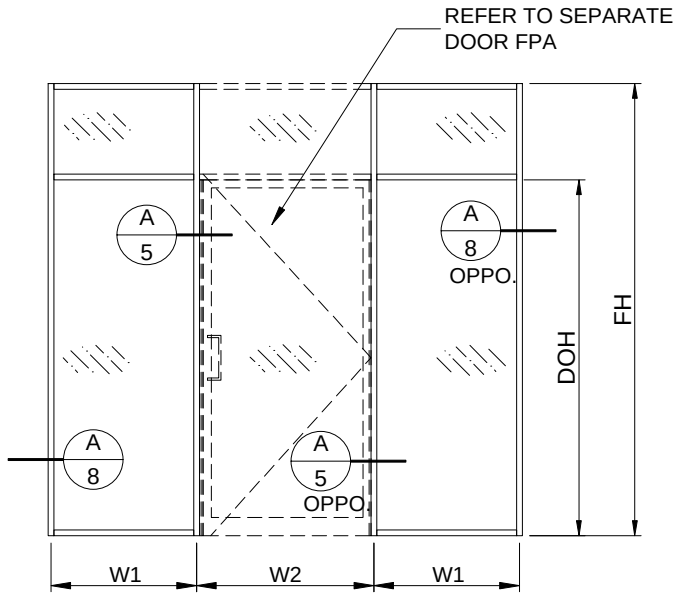


ELEV. 3

NOTE:  
FOR DOUBLE DOORS WITH UNEQUAL PANEL WIDTHS, CONSULT A PROFESSIONAL ENGINEER TO VERIFY LOAD CAPACITY OF THE DOOR JAMB MULLION.

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

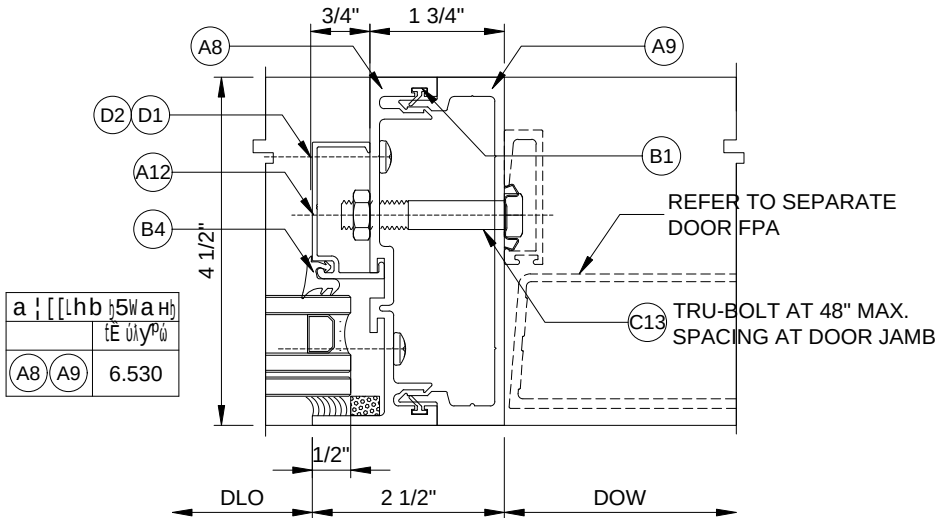
WIDTH (W) = W1 (JAMB)



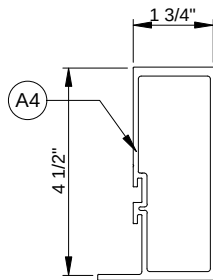
ELEV. 4

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

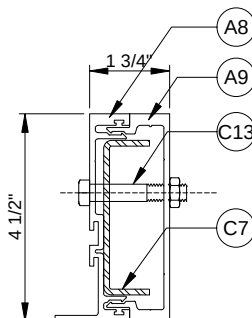
ELEVATIONS



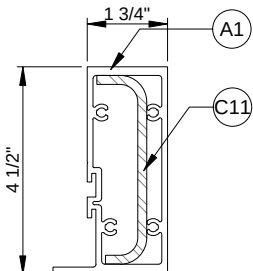
A DOOR JAMB-MULLION  
REFER TO ELEV. 2, 3, 4



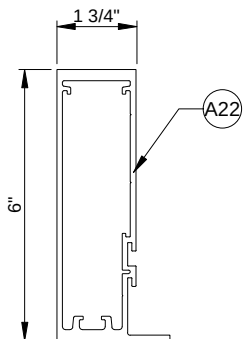
| a ! [[Lhb j5Wa M] |       |
|-------------------|-------|
| tE uLyPw          |       |
| A4                | 4.823 |



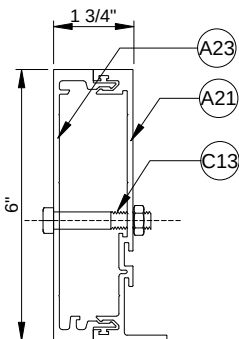
| a ! [[Lhb j5Wa o] |       |
|-------------------|-------|
| tE uLyPw          |       |
| A8 A9             | 6.530 |
| C7 uLy ! tE Yw    | 2.930 |
| chc ! [           | 9.461 |



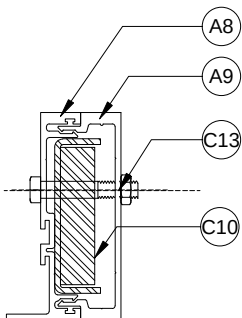
| a ! [[Lhb j5Wa o] |        |
|-------------------|--------|
| uhtclhbw          |        |
| tE uLyPw          |        |
| A1                | 5.345  |
| C11 uLy ! tE Yw   | 5.113  |
| chc ! [           | 10.459 |



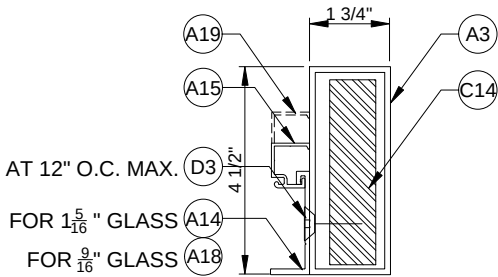
| a ! [[Lhb j5Wa n] |        |
|-------------------|--------|
| tE uLyPw          |        |
| A22               | 12.345 |



| a ! [[Lhb j5Wa p] |        |
|-------------------|--------|
| tE uLyPw          |        |
| A23 A21           | 13.624 |

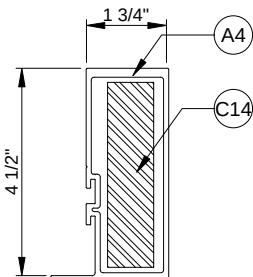


| a ! [[Lhb j5Wa c] |        |
|-------------------|--------|
| tE uLyPw          |        |
| A8 A9             | 6.530  |
| C10 uLy ! tE Yw   | 7.824  |
| chc ! [           | 14.354 |

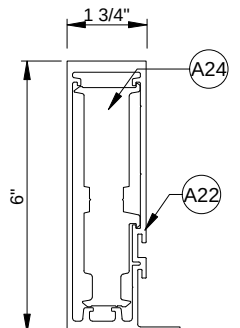


AT 12\"/>

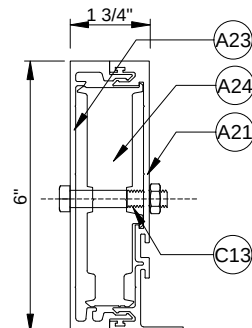
| a ! [[Lhb j5Wa T] |        |
|-------------------|--------|
| uhtclhbw          |        |
| tE uLyPw          |        |
| A3                | 3.6934 |
| C14 uLy ! tE Yw   | 15.467 |
| chc ! [           | 19.160 |



| a ! [[Lhb j5Wa T] |        |
|-------------------|--------|
| uhtclhbw          |        |
| tE uLyPw          |        |
| A4                | 4.823  |
| C14 uLy ! tE Yw   | 15.467 |
| chc ! [           | 20.290 |



| a ! [[Lhb j5Wa T] |         |
|-------------------|---------|
| uhtclhbw          |         |
| tE uLyPw          |         |
| A22               | 12.345  |
| A24               | 8.799   |
| chc ! [           | 21.1440 |



| a ! [[Lhb j5Wa T] |         |
|-------------------|---------|
| uhtclhbw          |         |
| tE uLyPw          |         |
| A23 A21           | 13.624  |
| A24               | 8.799   |
| chc ! [           | 22.4230 |

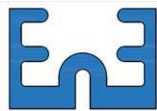
DOOR JAMB-MULLION OPTIONS

PRODUCT:

3300 Impact  
Storefront System  
HVHZ - LMI

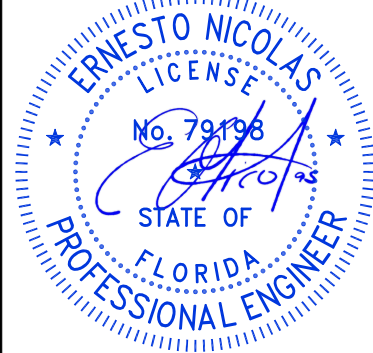
| REVN. | DATE / REMARKS                             |
|-------|--------------------------------------------|
| 1     | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION |
| 2     | 01/29/2026: 6\"/>                          |
| 3     | 09/04/2026: FBC 2026 UPDATE                |

ENGINEER:



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

STAMP:



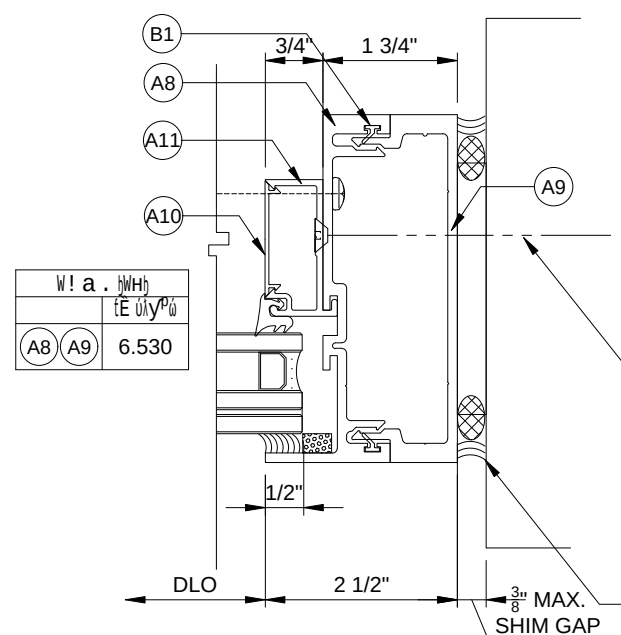
FLORIDA PRODUCT APPROVAL:

FL46133

DATE: DEC. 15, 2023

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

SHEET NO.:



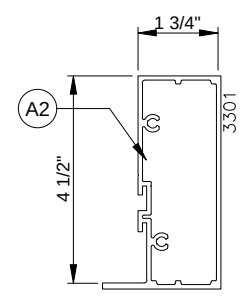
NOTE: ANCHORED JAMB CAPACITY APPLIES TO MAXIMUM HEIGHT, MAXIMUM MULLION/JAMB SPACING AND MAXIMUM PRESSURE

TYP. ANCHOR, REFER TO ELEVS & SHTS. 12 TO 15

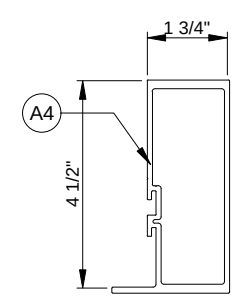
PERIMETER SEALANT DOWSIL 790 OR EQUAL

**A** FRAME JAMB (ANCHORED)

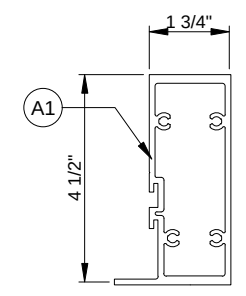
| ⌘! . [9 ! π W! a . ! b/ l hw { t ! / l b D ó λ γ ů |                      |     |     |                    |     |     |
|----------------------------------------------------|----------------------|-----|-----|--------------------|-----|-----|
| ANCHOR<br>TYPE                                     | MAX. 1/4" SHIM GAP   |     |     | MAX. 3/8" SHIM GAP |     |     |
|                                                    | MULLION SPACING (in) |     |     |                    |     |     |
|                                                    | Øpφ                  | Øтм | Øyo | Øpφ                | Øтм | Øyo |
| !                                                  | 12                   | нм  | φ   | нм                 | φ   | у   |
| .                                                  | нс                   | но  | нм  | нс                 | но  | нм  |
| /                                                  | нс                   | но  | нм  | нм                 | φ   | у   |
| 5                                                  | оо                   | ну  | нр  | нс                 | но  | нм  |
| 9                                                  | ну                   | нп  | нн  | нс                 | но  | нм  |
| с                                                  | нφ                   | нр  | но  | но                 | нм  | φ   |



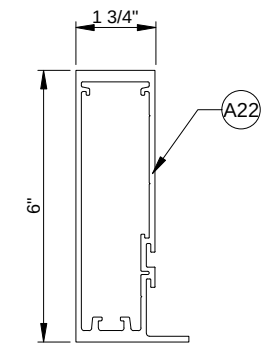
| W! a . hWpφ | tÊ úlyPú |
|-------------|----------|
| A2          | 3.733    |



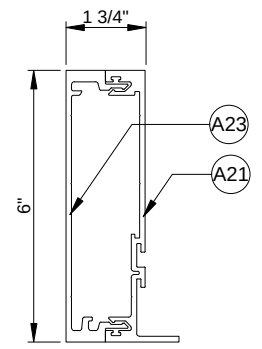
| W! a . hWpφ | tÊ úlyPú |
|-------------|----------|
| A4          | 4.823    |



| W! a . hWpφ | tÊ úlyPú |
|-------------|----------|
| A1          | 5.345    |



| a ! [[Lhb h5Wanφ | tÊ úlyPú |
|------------------|----------|
| A22              | 12.345   |



| a ! [[Lhb h5Wapφ | tÊ úlyPú |
|------------------|----------|
| A23 A21          | 13.624   |

ANCHORED FRAME JAMB OPTIONS



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

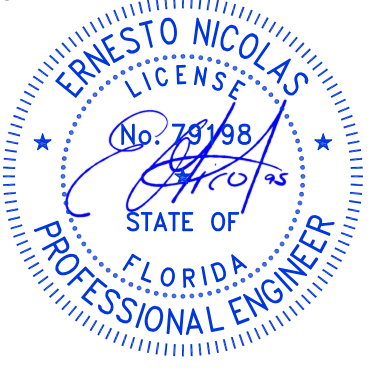
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| 3     | 09/04/2026: FBC 2026 UPDATE                                 |

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STAMP:



FLORIDA PRODUCT APPROVAL:

# FL46133

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

SHEET NO.:

# 6 of 17

| MULLION / JAMB CAPACITY (psf) |      |      |           |           |           |           |           | Ext (+) / Int. (-) |  |
|-------------------------------|------|------|-----------|-----------|-----------|-----------|-----------|--------------------|--|
| bhaib! [ 5la9bX úiyŭ          |      | 5Wam | an λ 5Wan | ao λ 5Wao | an λ 5Wan | ap λ 5Wap | ac λ 5Wac | at λ 5Wat          |  |
| 2                             | I    |      |           |           |           |           |           |                    |  |
| олђ                           | туђ  | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| осђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| пнђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| пуђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| рпђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| слђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| ссђ                           | упђ  | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| тнђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| олђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| осђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| пнђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| пуђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| рпђ                           | флђ  | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| слђ                           |      | прѐл | 85.0      | 91.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| ссђ                           |      | прѐл | 85.0      | 82.7      | 94.0      | 75.0      | 94.0      | 94.0               |  |
| тнђ                           |      | прѐл | 55.0      | 75.8      | 94.0      | 75.0      | 94.0      | 94.0               |  |
| олђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| осђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| пнђ                           | флђ  | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| пуђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| рпђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| слђ                           |      | прѐл | 84.9      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| ссђ                           |      | прѐл | 55.0      | 87.5      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| тнђ                           |      | прѐл | 55.0      | 75.0      | 75.0      | 75.0      | 94.0      | 94.0               |  |
| олђ                           | фсђ  | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| осђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| пнђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| пуђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| рпђ                           |      | прѐл | 81.5      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| слђ                           |      | прѐл | 75.6      | 87.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| ссђ                           | млнђ | ппѐм | 55.0      | 75.0      | 75.0      | 75.0      | 94.0      | 94.0               |  |
| тнђ                           |      | плѐп | 55.0      | 70.2      | 75.0      | 75.0      | 94.0      | 94.0               |  |
| олђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| осђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| пнђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| пуђ                           |      | прѐл | 75.1      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| рпђ                           | млуђ | прѐл | 66.8      | 85.6      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| слђ                           |      | поѐл | 55.0      | 74.6      | 75.0      | 75.0      | 94.0      | 94.0               |  |
| ссђ                           |      | офѐм | 54.6      | 67.8      | 75.0      | 75.0      | 94.0      | 94.0               |  |
| тнђ                           |      | орѐу | 50.1      | 62.2      | 72.1      | 72.1      | 94.0      | 94.0               |  |
| олђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| осђ                           |      | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| пнђ                           | млуђ | прѐл | 73.8      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| пуђ                           |      | прѐл | 64.6      | 85.9      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| рпђ                           |      | пнѐс | 55.0      | 76.4      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| слђ                           |      | оуѐо | 51.7      | 66.5      | 75.0      | 75.0      | 94.0      | 94.0               |  |
| ссђ                           |      | онѐф | 47.0      | 60.5      | 74.2      | 74.2      | 93.1      | 94.0               |  |

| MULLION / JAMB CAPACITY (psf) |      |      |           |           |           |           |           | Ext (+) / Int. (-) |  |
|-------------------------------|------|------|-----------|-----------|-----------|-----------|-----------|--------------------|--|
| bhaib! [ 5la9bX úiyŭ          |      | 5Wam | an λ 5Wan | ao λ 5Wao | an λ 5Wan | ap λ 5Wap | ac λ 5Wac | at λ 5Wat          |  |
| 2                             | I    |      |           |           |           |           |           |                    |  |
| олђ                           | ммпђ | прѐл | 85.0      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| осђ                           |      | прѐл | 73.3      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| пнђ                           |      | прѐл | 62.8      | 88.1      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| пуђ                           |      | пмѐт | 54.9      | 77.1      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| рпђ                           |      | отѐл | 48.8      | 66.4      | 75.0      | 75.0      | 94.0      | 94.0               |  |
| слђ                           |      | ооѐо | 44.0      | 59.7      | 75.0      | 75.0      | 91.9      | 91.9               |  |
| ссђ                           | мнлђ | π    | 40.0      | 54.3      | 68.2      | 70.3      | 83.5      | 85.0               |  |
| нпђ                           |      | прѐл | урѐл      | 94.0      | 94.0      | фпѐл      | 94.0      | 94.0               |  |
| олђ                           |      | прѐл | 75.4      | 94.0      | 94.0      | фпѐл      | 94.0      | 94.0               |  |
| осђ                           |      | прѐл | 62.7      | 91.1      | 94.0      | фпѐл      | 94.0      | 94.0               |  |
| пнђ                           |      | плѐу | 53.8      | 78.1      | 94.0      | фпѐл      | 94.0      | 94.0               |  |
| пуђ                           |      | орѐт | 47.1      | 68.3      | 87.8      | 88.1      | 94.0      | 94.0               |  |
| 54"                           | мнлђ | омѐу | 41.9      | 60.8      | 78.1      | 83.3      | 92.1      | 92.1               |  |
| 60"                           |      | нуѐс | отѐт      | 54.7      | 70.3      | 75.0      | 82.9      | 85.0               |  |
| нпђ                           |      | прѐл | 81.2      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| олђ                           |      | прѐл | 65.0      | 94.0      | 94.0      | фпѐл      | 94.0      | 94.0               |  |
| осђ                           |      | пмѐм | 54.3      | 79.3      | 94.0      | фпѐл      | 94.0      | 94.0               |  |
| пнђ                           |      | орѐо | 46.5      | 67.9      | 87.4      | 91.6      | 94.0      | 94.0               |  |
| пуђ                           | монђ | олѐф | 40.7      | 59.4      | 76.4      | 81.5      | 91.9      | 94.0               |  |
| 54"                           |      | нтѐп | 36.2      | 52.8      | 68.0      | 72.4      | 81.6      | 90.0               |  |
| 60"                           |      | π    | онѐс      | 47.0      | 61.1      | 65.2      | 73.5      | 85.0               |  |
| нпђ                           |      | прѐл | 70.6      | 94.0      | 94.0      | 94.0      | 94.0      | 94.0               |  |
| олђ                           |      | пнѐф | 56.5      | 82.7      | 94.0      | фпѐл      | 94.0      | 94.0               |  |
| осђ                           |      | орѐу | 47.2      | 68.9      | 88.6      | 91.6      | 94.0      | 94.0               |  |
| пнђ                           | моуђ | олѐт | 40.4      | 59.1      | 76.0      | 81.0      | 91.3      | 91.3               |  |
| 48"                           |      | нсѐу | 35.4      | 51.6      | 66.5      | 70.9      | 79.9      | 88.0               |  |
| рпђ                           |      | ноѐф | омѐр      | 45.7      | 59.1      | 63.0      | 71.0      | 85.0               |  |
| нпђ                           |      | прѐл | 61.5      | 90.5      | 94.0      | фпѐл      | 94.0      | 94.0               |  |
| олђ                           |      | отѐс | 49.6      | 72.4      | 91.2      | 91.6      | 94.0      | 94.0               |  |
| осђ                           |      | омѐо | 41.3      | 60.3      | 77.6      | 82.8      | 93.2      | 93.2               |  |
| пнђ                           | моуђ | нсѐу | 35.4      | 51.7      | 66.5      | 70.9      | 79.9      | 90.4               |  |
| 48"                           |      | ноѐр | омѐл      | 45.0      | 58.2      | 62.0      | 69.9      | 85.0               |  |
| рпђ                           |      | нлѐф | нтѐр      | 40.2      | 51.7      | 55.2      | 62.1      | 79.9               |  |
| нпђ                           |      | пмѐп | 54.5      | 79.6      | 91.6      | 91.6      | 94.0      | 94.0               |  |
| олђ                           |      | ооѐм | 43.6      | 63.7      | 81.9      | 87.4      | 94.0      | 94.0               |  |
| осђ                           |      | нтѐс | 36.3      | 53.1      | 68.3      | 72.8      | 82.0      | 88.9               |  |
| пнђ                           | мппђ | ноѐс | 31.1      | 45.5      | 58.5      | 62.4      | 70.3      | 85.0               |  |
| пуђ                           |      | нлѐт | нтѐн      | 39.8      | 51.2      | 54.6      | 61.5      | 82.1               |  |

Table 2 | MULLION / DOOR JAMB-MULLION  
LOAD CAPACITY (Refer to Elevs. 1, 2, 3, 4)  
NOTE: TO ACCOUNT FOR TRIBUTARY  
WIDTH 'W' REFER TO SHTS. 4 & 5 OF 17



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PRODUCT:

3300 Impact  
Storefront System  
HVHZ - LMI

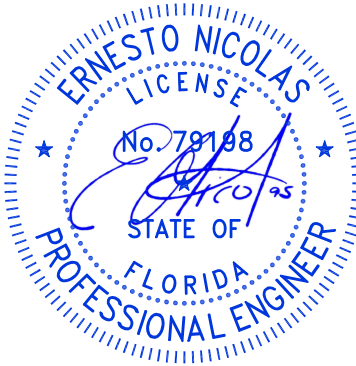
| REV.N. | DATE / REMARKS                                              |
|--------|-------------------------------------------------------------|
| 1      | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
| 2      | 01/29/2026: 6" DEEP MULLION OPTION & UNREINF DR. JAMB QUAL. |
| 3      | 09/04/2026: FBC 2026 UPDATE                                 |

ENGINEER:



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

STAMP:



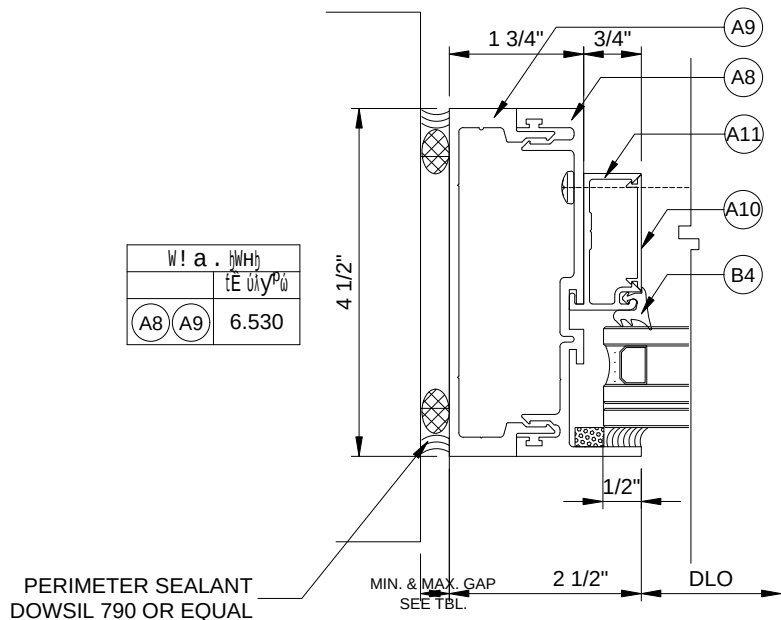
FLORIDA PRODUCT APPROVAL:

FL46133

DATE: DEC. 15, 2023

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

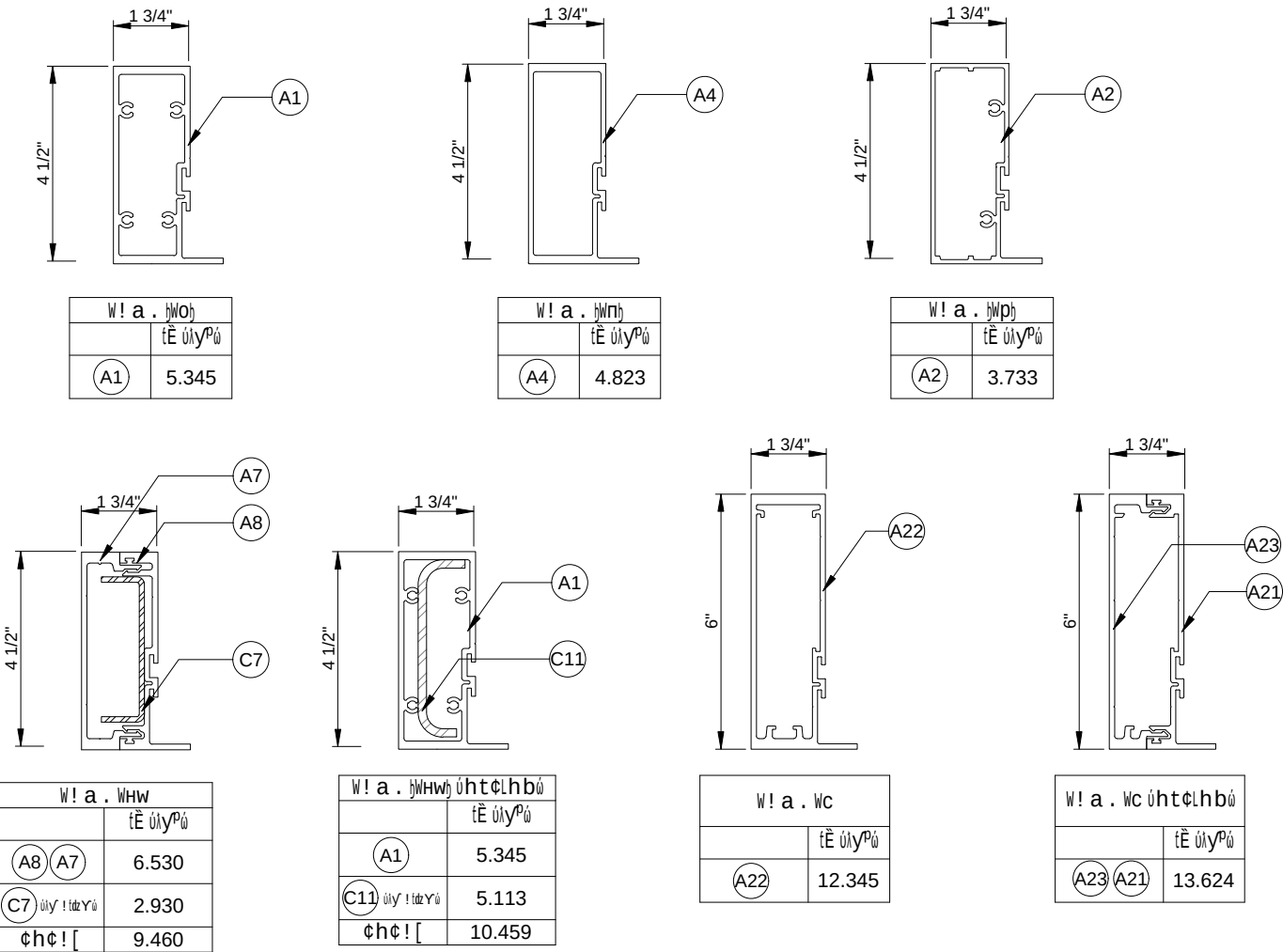
SHEET NO.:



| UNANCHORED JAMB                                                                                                             |     |      |     |     |
|-----------------------------------------------------------------------------------------------------------------------------|-----|------|-----|-----|
| w9/h a a9b595 Cw! a9 D! t h b ! b p ! b / I h w95<br>W! a . ! { l b D 5 h ² { L [ y x M { 9 ! [ ! b ϕ ü þ ² a ! · X D ! t ð |     |      |     |     |
| W! Y ð I Š I Æ K ð ü þ ü X ð                                                                                                | Ö6  | Ö8   | Ö10 | Ö12 |
| a i y X Æ L U ü i y ü                                                                                                       | 1/4 | 5/16 | 3/8 | 1/2 |

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. (-) |         |      |
|-----------------------------------|-------|---------|---------|---------|--------------------|---------|------|
| b h a l b ! [ 5 l a 9 b þ ü i y ü |       | J1      | W H     | W o     | W n                | W m w   | J5   |
| 2                                 | l     |         |         |         |                    |         |      |
| y o                               | y ϕ   | ϕ C i M | ϕ C i M | ϕ C i M | ϕ C i M            | x p i M | 94.0 |
| y o                               | ϕ p   | ϕ C i M | ϕ C i M | ϕ C i M | ϕ C i M            | x p i M | 94.0 |
| 66                                | x M   | ϕ M i T | ϕ M i T | ϕ M i T | ϕ M i T            | x p i M | 94.0 |
| T M                               | x T   | ϕ C i M | ϕ C i M | ϕ C i M | ϕ C i M            | x p i M | 94.0 |
| p ϕ                               | H M O | ϕ C i M | ϕ C i M | ϕ C i M | ϕ C i M            | x p i M | 94.0 |
| c p                               | H M O | ϕ n i y | ϕ n i y | ϕ n i y | ϕ M i H            | x p i M | 94.0 |
| T M                               | H M O | y c i n | y c i n | y c i n | y o i M            | x p i M | 94.0 |
| y o                               | H M O | t o i y | t o i y | t o i y | T M i M            | x p i M | 94.0 |
| p o                               | H M ϕ | ϕ C i M | ϕ C i M | ϕ C i M | ϕ C i M            | x p i M | 94.0 |
| p ϕ                               | H M ϕ | ϕ p i M | ϕ p i M | ϕ p i M | y c i x            | x p i M | 94.0 |
| c p                               | H M ϕ | y p i T | y p i T | y p i T | T y i p            | x p i M | 94.0 |
| T M                               | H M ϕ | T y i o | T y i o | T y i o | T M i y            | x p i M | 94.0 |
| 66                                | H M ϕ | -       | -       | -       | -                  | -       | 94.0 |
| π T                               | H H p | ϕ C i M | ϕ C i M | ϕ C i M | ϕ C i M            | x p i M | 94.0 |
| p o                               | H H p | ϕ C i M | ϕ C i M | ϕ C i M | y n i y            | x p i M | 94.0 |
| p ϕ                               | H H p | y c i n | y c i n | y c i n | T p i c            | x p i M | 94.0 |
| c p                               | H H p | T y i M | T y i M | T y i M | c y i n            | x p i M | 94.0 |
| T M                               | H H p | T M i n | T M i n | T M i n | c h i T            | x n i x | 94.0 |
| 66                                | 114   | -       | -       | -       | -                  | -       | 94.0 |
| π M                               | H O M | ϕ C i M | ϕ C i M | ϕ C i M | ϕ C i M            | x p i M | 94.0 |
| π T                               | H O M | ϕ C i M | ϕ C i M | ϕ C i M | y n i y            | x p i M | 94.0 |
| p o                               | H O M | y y i y | y y i y | y y i y | T n i o            | x p i M | 94.0 |
| p ϕ                               | H O M | T ϕ i M | T ϕ i M | T ϕ i M | c c i n            | x p i M | 94.0 |
| c p                               | H O M | T M i p | T M i p | T M i p | p x i o            | x o i H | 94.0 |
| 48                                | H O M | -       | -       | -       | -                  | -       | 94.0 |
| 54                                | H O M | -       | -       | -       | -                  | -       | 94.0 |
| 60                                | H O M | -       | -       | -       | -                  | -       | 94.0 |
| o p                               | H O T | ϕ C i M | ϕ C i M | ϕ C i M | ϕ C i M            | x p i M | 94.0 |
| π M                               | H O T | ϕ C i M | ϕ C i M | ϕ C i M | y T i p            | x p i M | 94.0 |
| π T                               | H O T | ϕ o i o | ϕ o i o | ϕ o i o | T n i y            | x p i M | 94.0 |
| p o                               | H O T | y M i c | y M i c | y M i c | c p i T            | x p i M | 94.0 |
| p ϕ                               | H O T | T H i y | T H i y | T H i y | p y i ϕ            | x p i M | 94.0 |
| 48                                | H O T | -       | -       | -       | -                  | -       | 94.0 |
| 54                                | H O T | -       | -       | -       | -                  | -       | 94.0 |
| 60                                | H O T | -       | -       | -       | -                  | -       | 94.0 |
| o p                               | H P O | ϕ C i M | ϕ C i M | ϕ C i M | ϕ n i H            | x p i M | 94.0 |
| π M                               | H P O | ϕ C i M | ϕ C i M | ϕ C i M | T T i c            | x p i M | 94.0 |
| π T                               | H P O | y p i x | y p i x | y n i T | c c i p            | x p i M | 94.0 |
| p o                               | H P O | T p i o | T p i o | T H i p | p y i c            | x p i M | 94.0 |
| 48                                | H P O | -       | -       | -       | -                  | -       | 94.0 |
| 54                                | H P O | -       | -       | -       | -                  | -       | 94.0 |
| o p                               | H P ϕ | 85.0    | 85.0    | 85.0    | 72.7               | 94.0    | 94.0 |
| π M                               | H P ϕ | 82.3    | 82.3    | 75.2    | 58.2               | 94.0    | 94.0 |
| π T                               | H P ϕ | 68.6    | 68.6    | 62.6    | 48.5               | 94.0    | 94.0 |
| p o                               | H P ϕ | 58.8    | 58.8    | 53.7    | 41.6               | 89.6    | 94.0 |
| 48                                | 138   | -       | -       | -       | -                  | -       | 94.0 |
| 54                                | 138   | -       | -       | -       | -                  | -       | 94.0 |
| o p                               | H P p | 85.0    | 85.0    | 82.7    | 64.0               | 94.0    | 94.0 |
| π M                               | H P p | 75.6    | 73.3    | 66.2    | 51.2               | 94.0    | 94.0 |
| π T                               | H P p | 63.0    | 61.1    | 55.1    | 42.7               | 94.0    | 94.0 |
| p o                               | H P p | 54.0    | 52.4    | 47.3    | 36.6               | 82.3    | 94.0 |
| 48                                | 144   | -       | -       | -       | -                  | -       | 94.0 |

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



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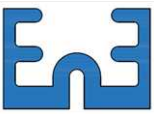
PRODUCT:

**3300 Impact  
Storefront System**

HVHZ - LMI

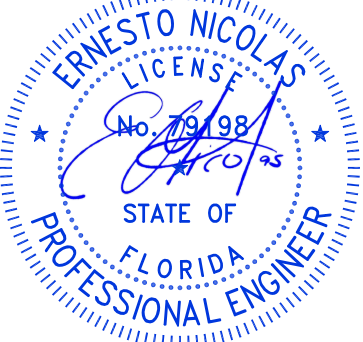
| REV.N. | DATE / REMARKS                                              |
|--------|-------------------------------------------------------------|
| 1      | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
| 2      | 01/29/2026: 6" DEEP MULLION OPTION & UNREINF DR. JAMB QUAL. |
| 3      | 09/04/2026: FBC 2026 UPDATE                                 |

ENGINEER:



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FLORIDA PRODUCT APPROVAL:

**FL46133**

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

SHEET NO.:

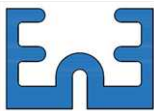
**8 of 17**

PRODUCT:

3300 Impact  
Storefront System  
HVHZ - LMI

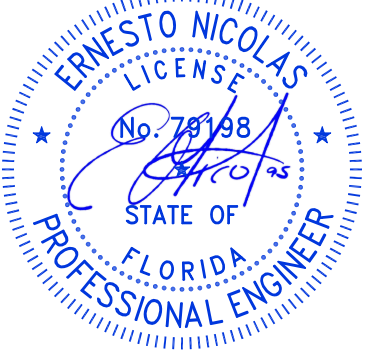
| REVN. | DATE / REMARKS                                              |
|-------|-------------------------------------------------------------|
| 1     | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
| 2     | 01/29/2026: 6" DEEP MULLION OPTION & UNREINF DR. JAMB QUAL. |
| 3     | 09/04/2026: FBC 2026 UPDATE                                 |

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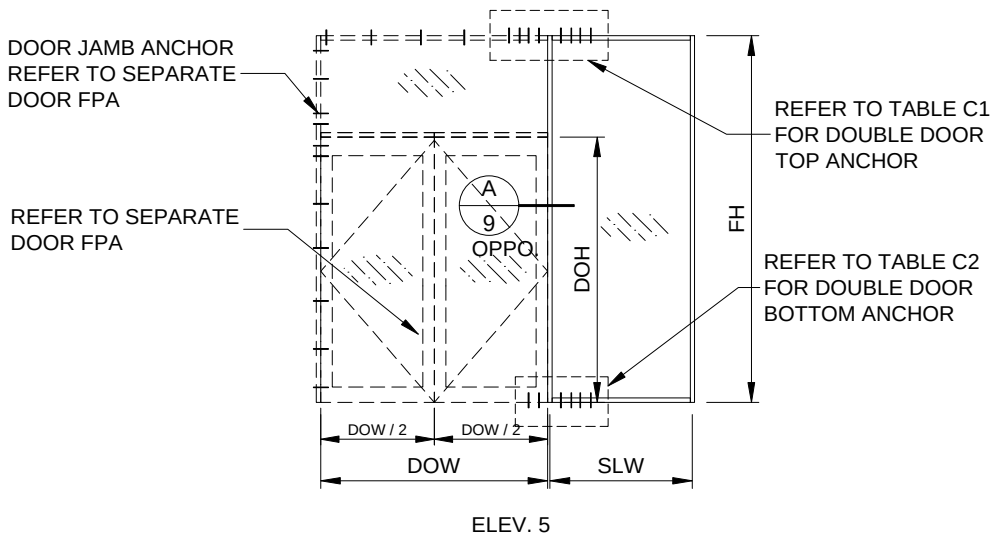
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DATE: DEC. 15, 2023

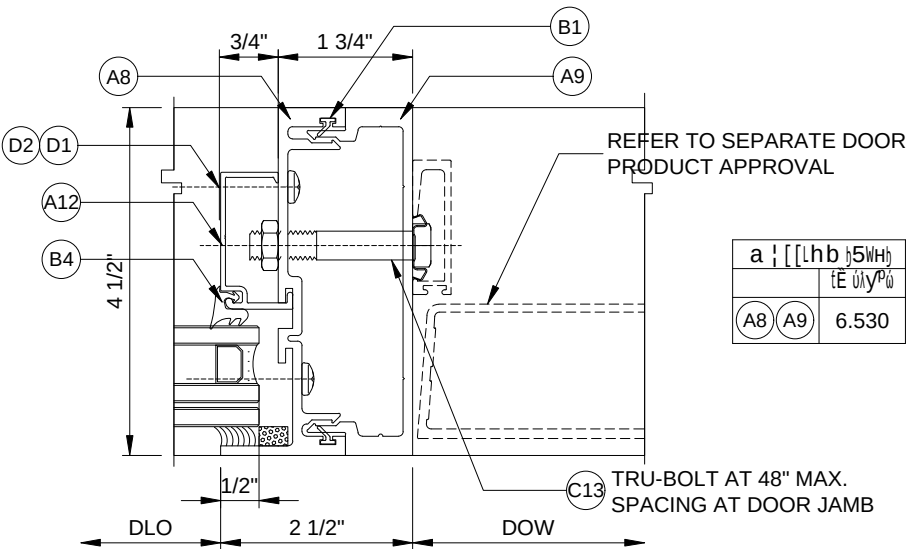
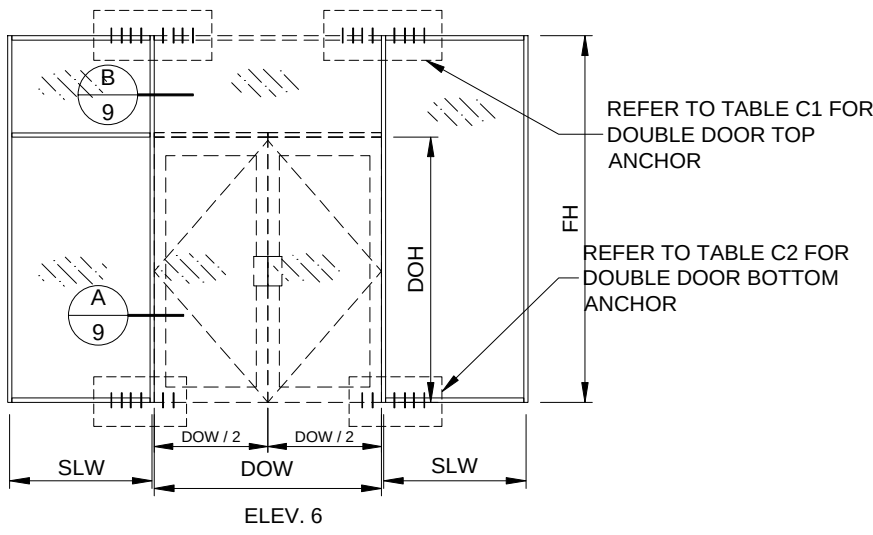
|                    |               |
|--------------------|---------------|
| Drwn: Erick        | CHK: ESN      |
| Drwg. No: 23FL-100 | SCALE: N.T.S. |

SHEET NO.:

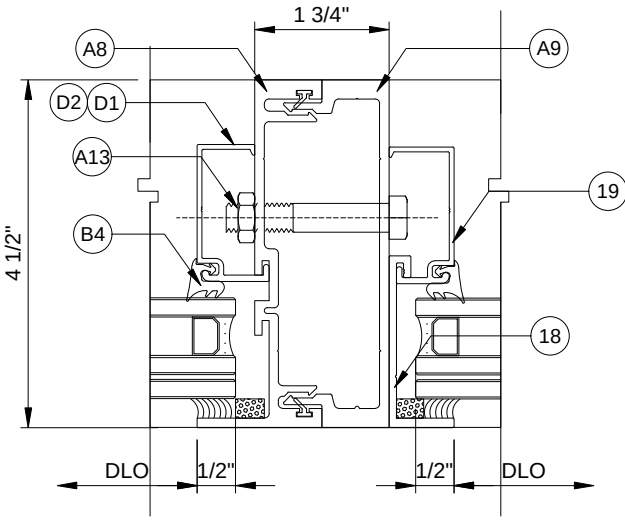
9 of 17



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



A DOOR JAMB  
REFER TO ELEV. 5, 6

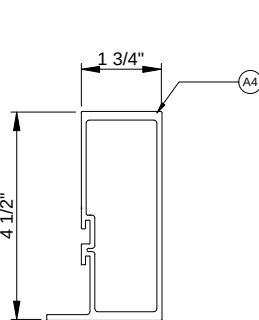


B DOOR JAMB AT TRANSOM  
REFER TO ELEV. 5, 6

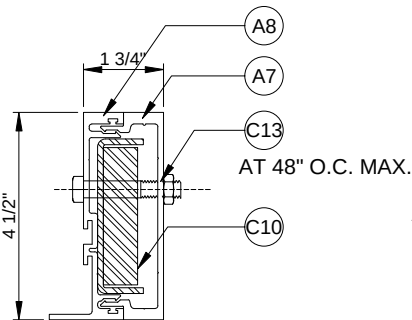
| TABLE C1 - ANCHOR AT DOUBLE DOOR JAMB TOP |           |           |
|-------------------------------------------|-----------|-----------|
| ANCHOR TYPE                               | 1/4" Shim | 3/8" Shim |
| A                                         | 11        | 13        |
| .                 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

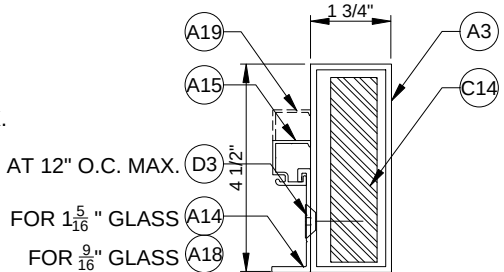
Table 4 | DOOR JAMB LOAD CAPACITY  
(Refer to Elev. 5, 6)



|                  |          |
|------------------|----------|
| 5hhwW! a . j5Wp) | tE úlyPú |
| A4               | 4.823    |

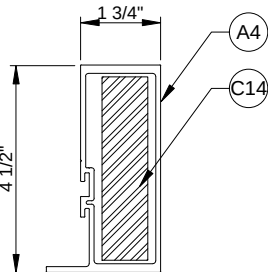


|                  |          |
|------------------|----------|
| 5hhwW! a . j5Wp) | tE úlyPú |
| A8 A9            | 6.530    |
| C10 úly! tE Yú   | 7.824    |
| chç! [           | 14.354   |

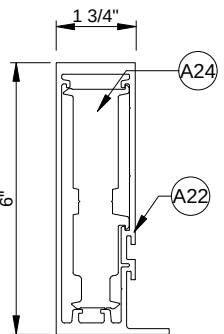


AT 12" O.C. MAX.  
FOR 1 5/16" GLASS  
FOR 9/16" GLASS

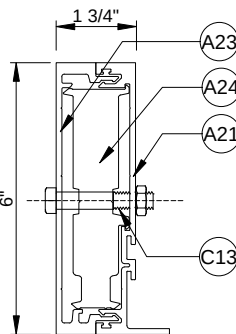
|                  |          |
|------------------|----------|
| 5hhwW! a . j5Wp) | tE úlyPú |
| A3               | 3.693    |
| C14 úly! tE Yú   | 15.467   |
| chç! [           | 19.160   |



|                  |          |
|------------------|----------|
| 5hhwW! a . j5Wp) | tE úlyPú |
| A4               | 4.823    |
| C14 úly! tE Yú   | 15.467   |
| chç! [           | 20.290   |



|                  |          |
|------------------|----------|
| 5hhwW! a . j5Wp) | tE úlyPú |
| A22              | 12.345   |
| A24              | 8.799    |
| chç! [           | 21.1440  |



|                  |          |
|------------------|----------|
| 5hhwW! a . j5Wp) | tE úlyPú |
| A23 A21          | 13.624   |
| A24              | 8.799    |
| chç! [           | 22.4230  |

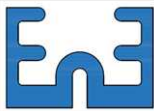
DOOR JAMB OPTIONS

PRODUCT:

3300 Impact  
Storefront System  
HVHZ - LMI

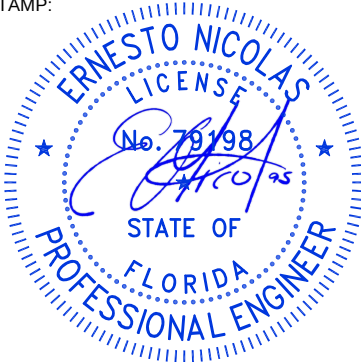
| REVN. | DATE / REMARKS                                              |
|-------|-------------------------------------------------------------|
| 1     | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
| 2     | 01/29/2026: 6" DEEP MULLION OPTION & UNREINF DR. JAMB QUAL. |
| 3     | 09/04/2026: FBC 2026 UPDATE                                 |

ENGINEER:



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STAMP:



FLORIDA PRODUCT APPROVAL:

FL46133

DATE: DEC. 15, 2023

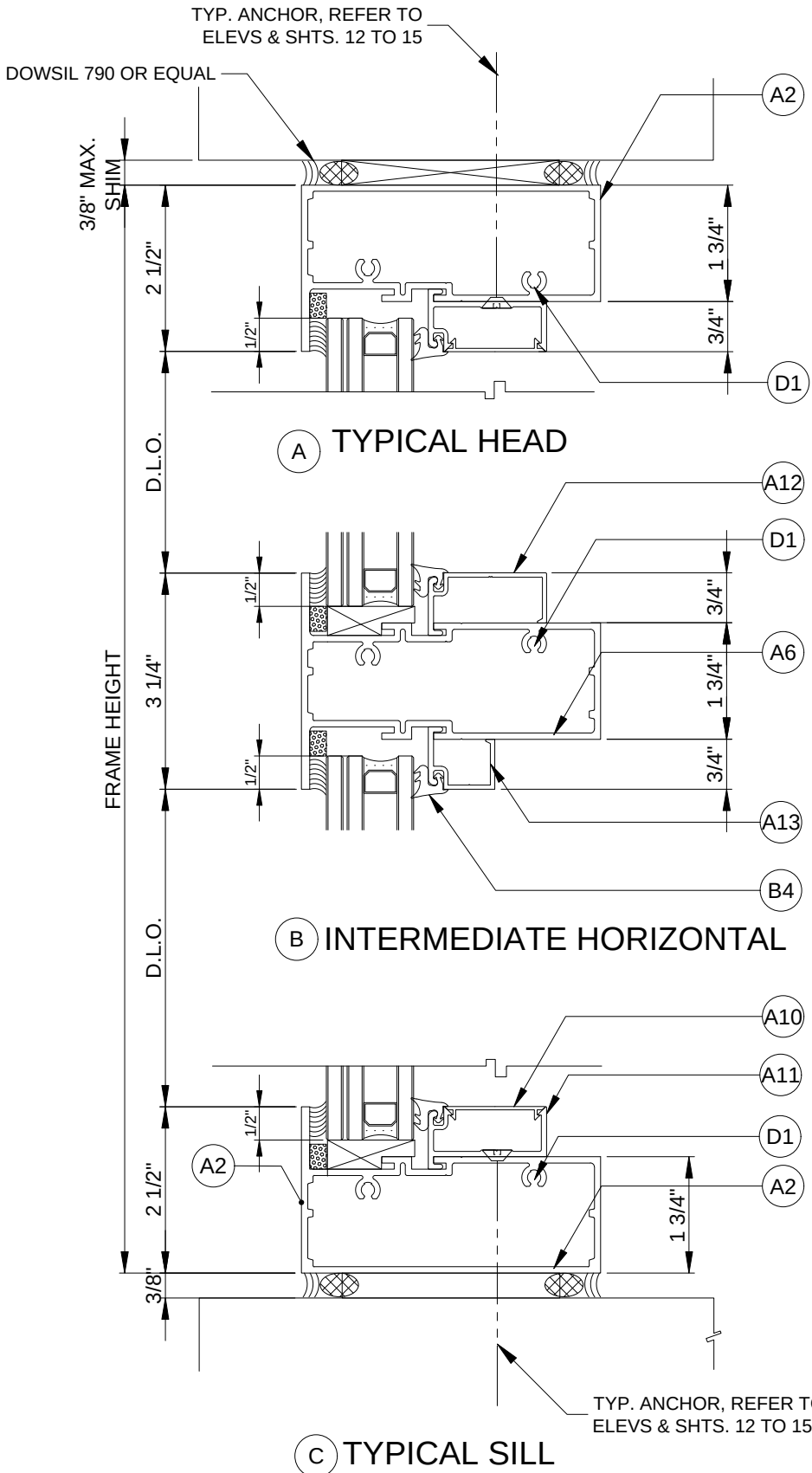
|                    |               |
|--------------------|---------------|
| Drwn: Erick        | CHK: ESN      |
| Drwg. No: 23FL-100 | SCALE: N.T.S. |

SHEET NO.:

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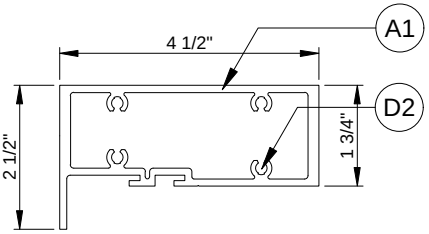
| NOMINAL<br>DIMENSIONS |    | DOOR JAMB LOAD CAPACITY TABLE (DOOR OPENING HEIGHT FROM 84" TO 120") |      |      |      |                                     |      |                                   |      |                                 |      |      |      |                                     |      |                                   |      |
|-----------------------|----|----------------------------------------------------------------------|------|------|------|-------------------------------------|------|-----------------------------------|------|---------------------------------|------|------|------|-------------------------------------|------|-----------------------------------|------|
|                       |    | 72" DOOR OPENING WIDTH                                               |      |      |      |                                     |      |                                   |      | 84" DOOR OPENING WIDTH          |      |      |      |                                     |      |                                   |      |
|                       |    | ALLOWABLE DESIGN PRESSURE (psf)                                      |      |      |      |                                     |      |                                   |      | ALLOWABLE DESIGN PRESSURE (psf) |      |      |      |                                     |      |                                   |      |
|                       |    | 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 |      |
| СИ                    | УЛ | 9E                                                                   | 0B   | LY   | 0M   | 9E                                  | 0B   | LY                                | 0M   | 9E                              | 0B   | LY   | 0M   | 9E                                  | 0B   | LY                                | 0M   |
| НМФ                   | ОР | 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 |
| НМФ                   | ПТ | 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 |
| НМФ                   | РФ | 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 |
| НМФ                   | ТМ | 53.9                                                                 | 53.9 | 40.1 | 40.1 | 75.0                                | 75.0 | 65.0                              | 85.0 | -                               | -    | -    | -    | -                                   | -    | 65.0                              | 85.0 |
|                       |    |                                                                      |      |      |      |                                     |      |                                   |      |                                 |      |      |      |                                     |      |                                   |      |
| ННР                   | ОР | 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 |
| ННР                   | ПТ | 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 |
| ННР                   | РФ | 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 |
| ННР                   | ТМ | 44.8                                                                 | 44.8 | -    | -    | 75.0                                | 75.0 | 65.0                              | 85.0 | -                               | -    | -    | -    | -                                   | -    | 65.0                              | 85.0 |
|                       |    |                                                                      |      |      |      |                                     |      |                                   |      |                                 |      |      |      |                                     |      |                                   |      |
| НОМ                   | ОР | 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 |
| НОМ                   | ПТ | 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 |
| НОМ                   | РФ | 41.8                                                                 | 41.8 | 30.0 | 30.0 | 75.0                                | 75.0 | 65.0                              | 85.0 | -                               | -    | -    | -    | -                                   | -    | 65.0                              | 85.0 |
| НОМ                   | ТМ | -                                                                    | -    | -    | -    | -                                   | -    | 65.0                              | 85.0 | -                               | -    | -    | -    | -                                   | -    | 65.0                              | 85.0 |
|                       |    |                                                                      |      |      |      |                                     |      |                                   |      |                                 |      |      |      |                                     |      |                                   |      |
| НОТ                   | ОР | 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 |
| НОТ                   | ПТ | 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 |
| НОТ                   | РФ | -                                                                    | -    | -    | -    | 75.0                                | 75.0 | 65.0                              | 85.0 | -                               | -    | -    | -    | -                                   | -    | 65.0                              | 85.0 |
| НОТ                   | ТМ | -                                                                    | -    | -    | -    | -                                   | -    | 65.0                              | 85.0 | -                               | -    | -    | -    | -                                   | -    | 65.0                              | 85.0 |
|                       |    |                                                                      |      |      |      |                                     |      |                                   |      |                                 |      |      |      |                                     |      |                                   |      |
| НПО                   | ОР | 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 |
| НПО                   | ПТ | 34.2                                                                 | 34.2 | 25.4 | 25.4 | 65.8                                | 65.8 | 65.0                              | 85.0 | -                               | -    | -    | -    | 63.1                                | 63.1 | 65.0                              | 85.0 |
| НПО                   | РФ | -                                                                    | -    | -    | -    | -                                   | -    | 65.0                              | 81.6 | -                               | -    | -    | -    | -                                   | -    | 65.0                              | 80.8 |
| НПО                   | ТМ | -                                                                    | -    | -    | -    | -                                   | -    | 65.0                              | 79.7 | -                               | -    | -    | -    | -                                   | -    | 65.0                              | 73.6 |
|                       |    |                                                                      |      |      |      |                                     |      |                                   |      |                                 |      |      |      |                                     |      |                                   |      |
| НРР                   | ОР | 29.4                                                                 | 29.4 | 21.8 | 21.8 | 56.5                                | 56.5 | 65.0                              | 81.6 | -                               | -    | -    | -    | -                                   | -    | 65.0                              | 75.9 |
| НРР                   | ПТ | -                                                                    | -    | -    | -    | -                                   | -    | 65.0                              | 74.8 | -                               | -    | -    | -    | -                                   | -    | 65.0                              | 67.7 |
| НРР                   | РФ | -                                                                    | -    | -    | -    | -                                   | -    | 65.0                              | 66.9 | -                               | -    | -    | -    | -                                   | -    | 65.0                              | 61.2 |
| НРР                   | ТМ | -                                                                    | -    | -    | -    | -                                   | -    | 60.5                              | 60.5 | -                               | -    | -    | -    | -                                   | -    | 65.0                              | 55.8 |

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

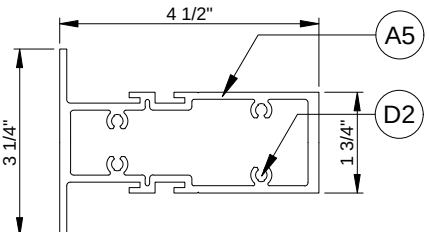


| DESIGN LOAD LIMITATION FOR 3302 INTERM. HORIZONTAL |                |                |          |
|----------------------------------------------------|----------------|----------------|----------|
| NOMINAL DIMS. (in)                                 |                | ALLOW Pd (PSF) |          |
| WIDTH (W)                                          | TRANSOM HEIGHT | Ext (+)        | Int. (-) |
| TT3                                                | 108"           | 60.0           | 85.0     |
| TM3                                                | HHp3           | 70.0           | ΦC/M     |
| cp3                                                | 92"            | ΦC/M           | ΦC/M     |
| pφ3                                                | HMX3           | ΦC/M           | ΦC/M     |
| 42                                                 | H003           | ΦC/M           | ΦC/M     |
| πT3                                                | HpH3           | ΦC/M           | ΦC/M     |

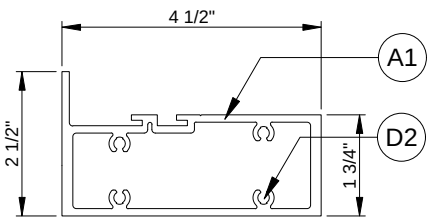
Table D | 3302 INTERM. HORIZONTALS  
LOAD CAPACITY TABLE



HEAD



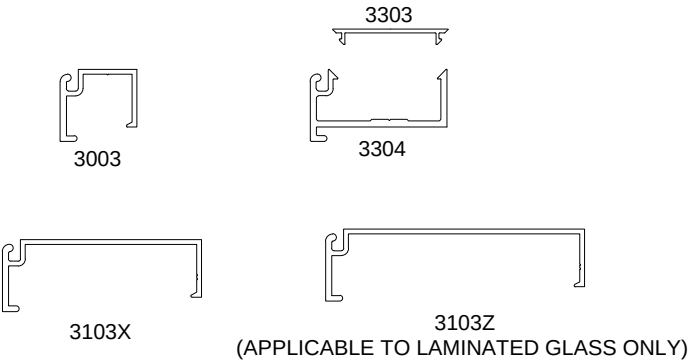
INTER. HORIZONTAL



SILL

HORIZONTAL MEMBER OPTIONS

USE WHEN SIZE & LOADS EXCEEDED TABLE D



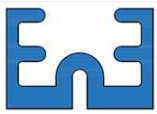
GLASS STOP OPTIONS

PRODUCT:

**3300 Impact  
Storefront System**  
HVHZ - LMI

| REVN. | DATE / REMARKS                                              |
|-------|-------------------------------------------------------------|
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| 2     | 01/29/2026: 6" DEEP MULLION OPTION & UNREINF DR. JAMB QUAL. |
| 3     | 09/04/2026: FBC 2026 UPDATE                                 |

ENGINEER:



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

STAMP:



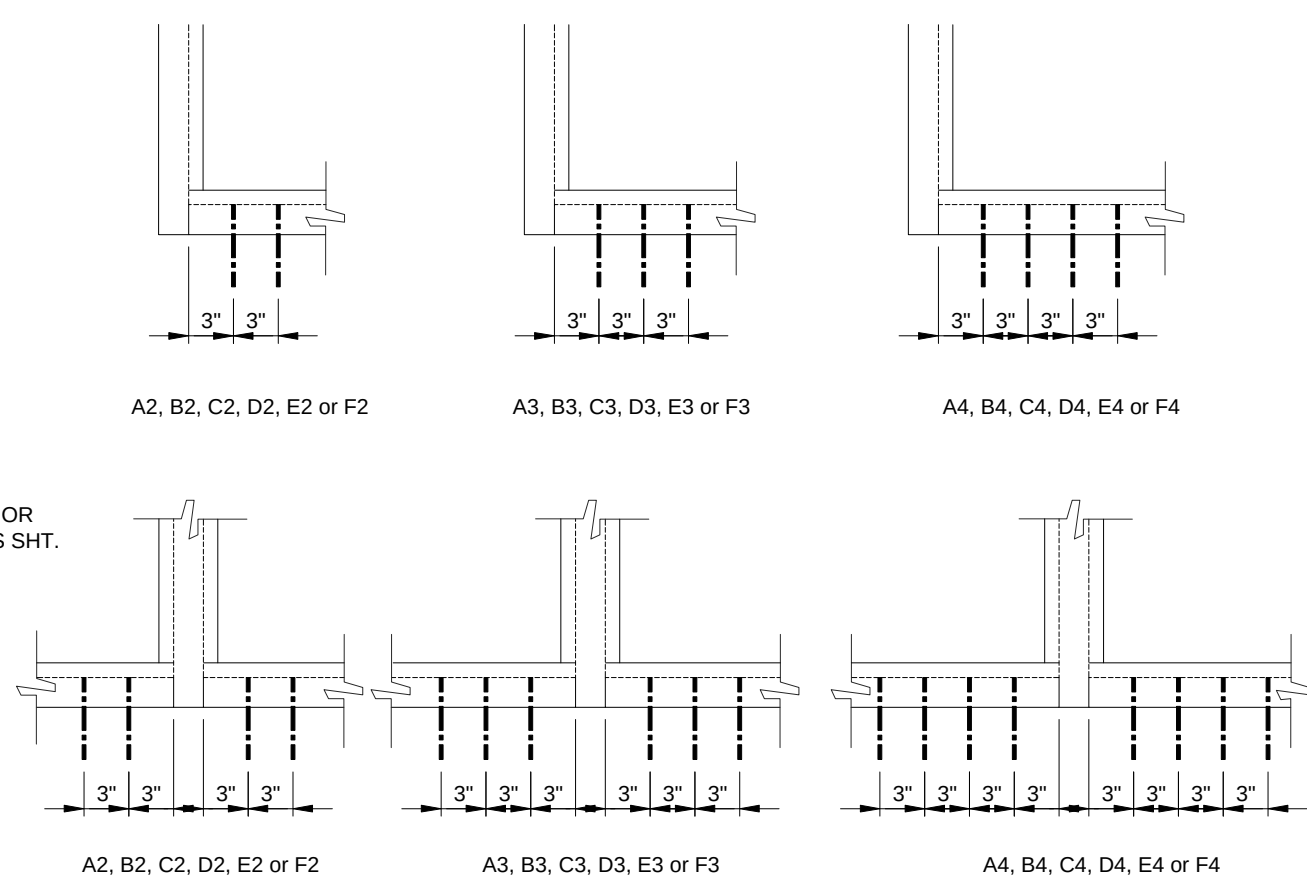
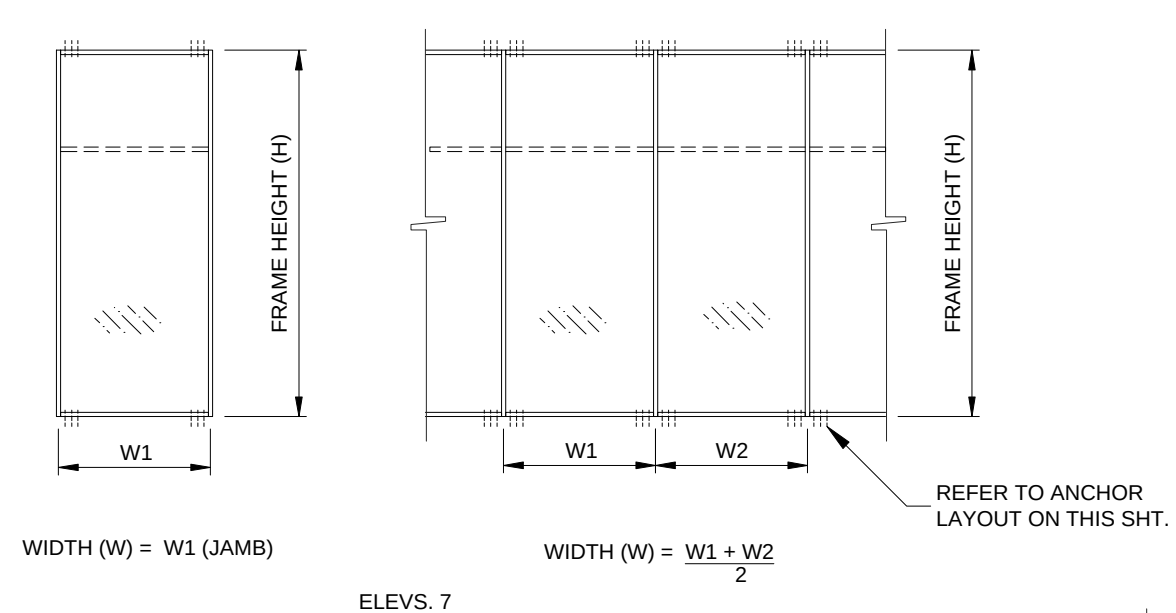
FLORIDA PRODUCT APPROVAL:

**FL46133**

DATE: DEC. 15, 2023

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

SHEET NO.:



ANCHOR LAYOUT

| ANCHOR TYPES                                                                                                      |             |                                                                       |                               |                       |
|-------------------------------------------------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------|-------------------------------|-----------------------|
| TYPE                                                                                                              | SUBSTRATE   | MATERIAL                                                              | MIN. EMBED (IN.)              | MIN. EDGE DIST. (IN.) |
| A                                                                                                                 | WOOD        | $\frac{1}{4}$ " $\bar{I}$ - TAPCON (Fy = 100ksi & Fu = 125ksi min.)   | 1.50                          | 1.25                  |
| B                                                                                                                 |             | $\frac{1}{4}$ " $\bar{I}$ - ULTRACON (Fy = 148ksi & Fu = 164ksi min.) | 1.50                          | 1.25                  |
| C                                                                                                                 | CONCRETE    | $\frac{1}{4}$ " $\bar{I}$ - TAPCON (Fy = 100ksi & Fu = 125ksi min.)   | 1.75                          | 2.50                  |
| D                                                                                                                 |             | $\frac{1}{4}$ " $\bar{I}$ - ULTRACON (Fy = 148ksi & Fu = 164ksi min.) | 1.75                          | 2.50                  |
| E                                                                                                                 | GROUTED CMU | $\frac{1}{4}$ " $\bar{I}$ - ULTRACON (Fy = 148ksi & Fu = 164ksi min.) | 1.25                          | 2.50                  |
| F                                                                                                                 | METAL       | $\frac{1}{4}$ " $\bar{I}$ 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.) |             |                                                                       |                               |                       |



GLASS & ALUMINUM SOLUTIONS™

<http://www.trulite.com>

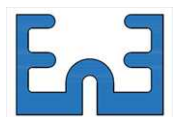
1750 Founders Pkwy, Suite. 154,  
Alpharetta GA, 30009  
p. 800-432-8132

PRODUCT:

3300 Impact  
Storefront System  
HVHZ - LMI

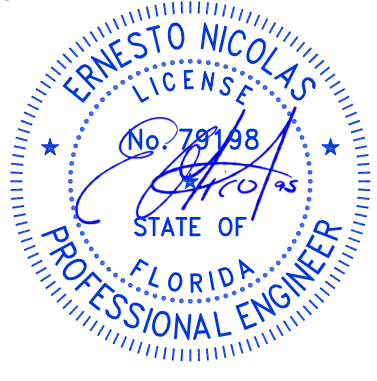
| REVN. | DATE / REMARKS                                              |
|-------|-------------------------------------------------------------|
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| 3     | 09/04/2026: FBC 2026 UPDATE                                 |

ENGINEER:



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

STAMP:



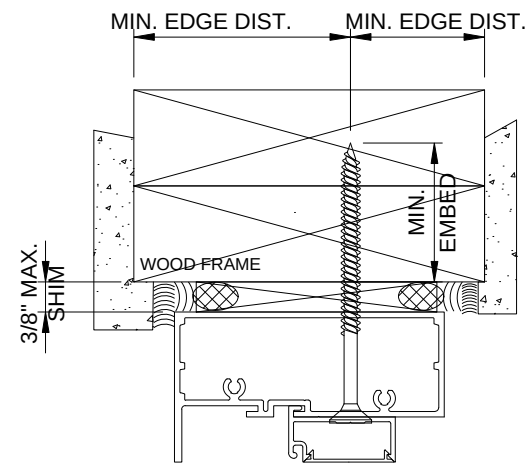
FLORIDA PRODUCT APPROVAL:

FL46133

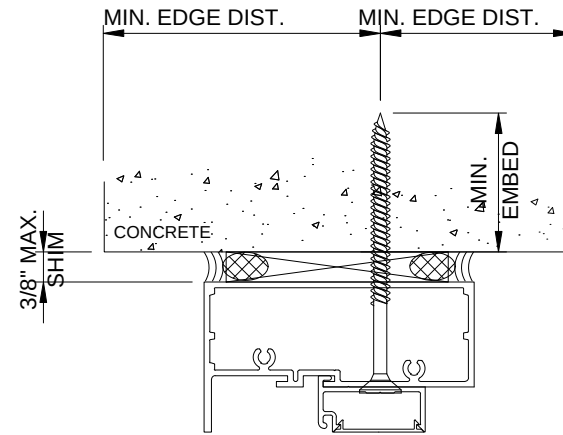
|                     |               |
|---------------------|---------------|
| DATE: DEC. 15, 2023 |               |
| Drwn: Erick         | CHK: ESN      |
| Drwg. No: 23FL-100  | SCALE: N.T.S. |

SHEET NO.:

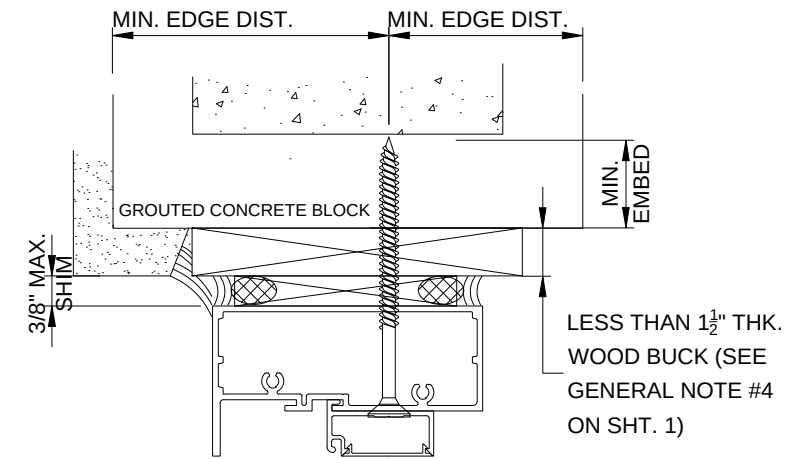
12 of 17



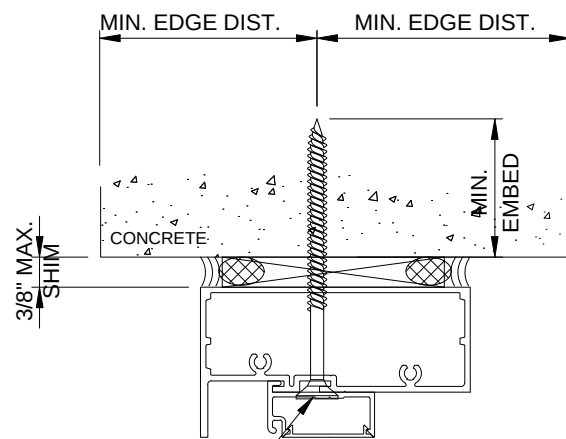
TYPE A or B



TYPE C or D

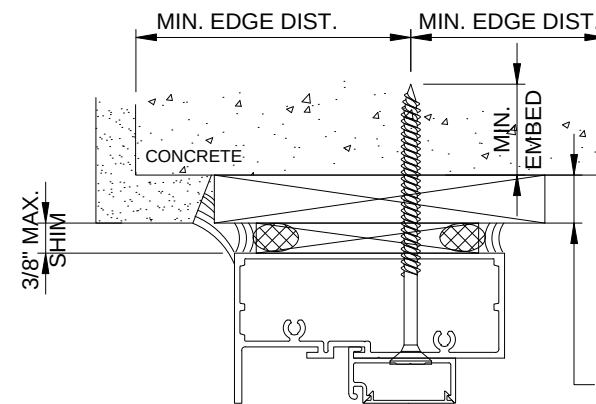


TYPE E



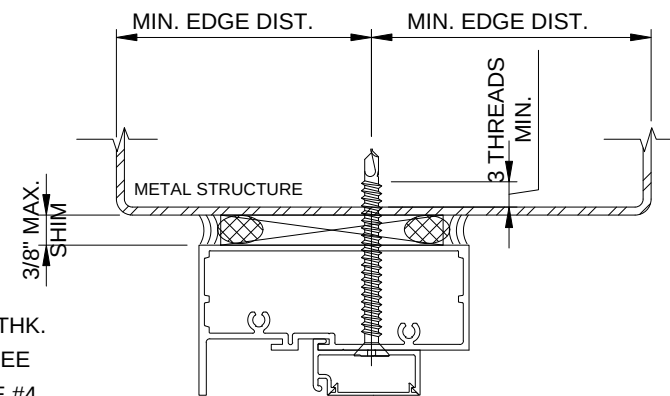
OPTIONAL ANCHOR LOCATION (APPLICABLE TO ALL ANCHOR TYPES)

TYP. ANCHOR LAY-OUT ON  
9/16" THICK GLASS



TYPE C or D

LESS THAN 1 1/2" THK.  
WOOD BUCK (SEE  
GENERAL NOTE #4  
ON SHT. )



TYPE E

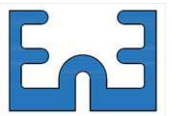
## ANCHOR ATTACHMENT DETAILS

PRODUCT:

## 3300 Impact Storefront System HVHZ - LMI

| REVN. | DATE / REMARKS                                              |
|-------|-------------------------------------------------------------|
| 1     | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
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| 3     | 09/04/2026: FBC 2026 UPDATE                                 |

ENGINEER:



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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.:

13 of 17

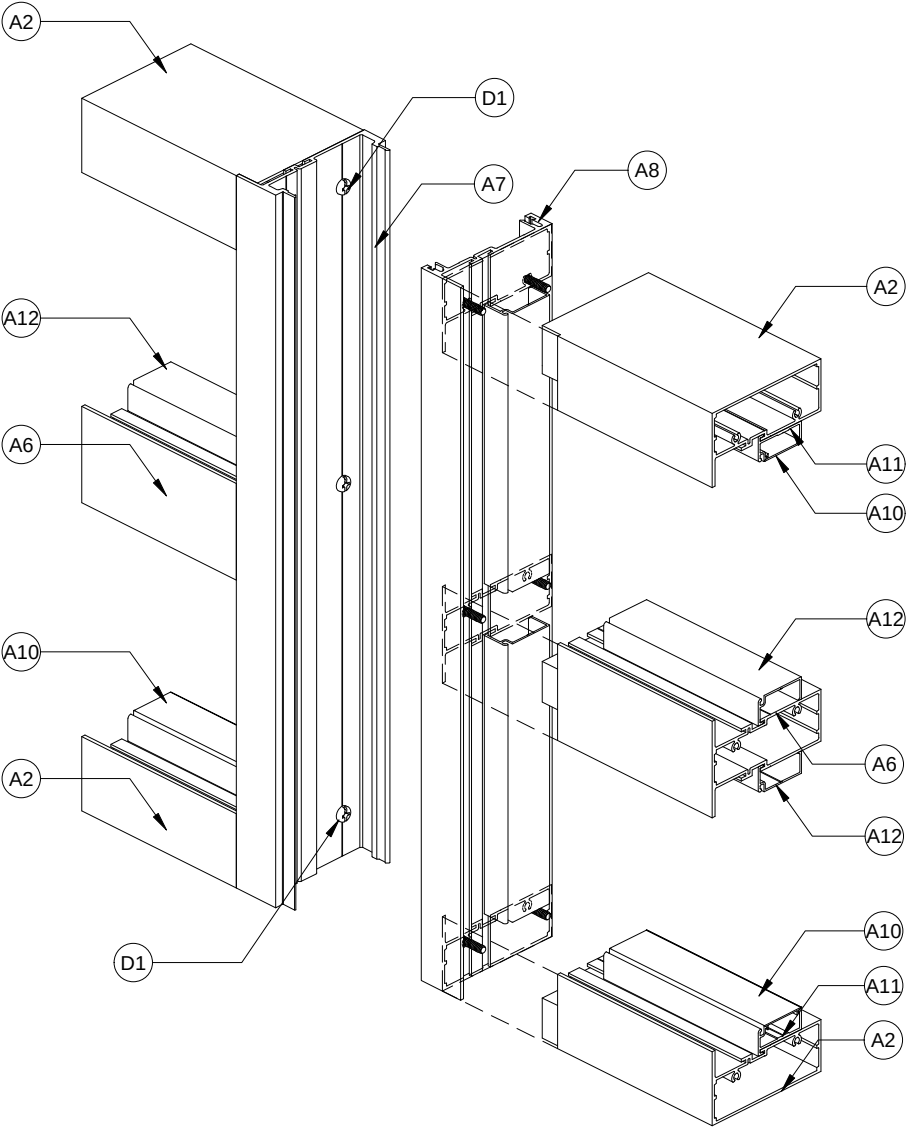
| ! b/Ihw [h!5 /!t! /!ϕ, ÚĽǺťǻ |    |            |      |      |            |      |      |            |      |      |            |      |            |      |            |      | 9ĚÚĽ ůĚŵ λ ĽyŮĽ ůřŵ |
|------------------------------|----|------------|------|------|------------|------|------|------------|------|------|------------|------|------------|------|------------|------|---------------------|
| b2YX {iĬSǻ ůiyŮ              |    | ϕ, t9 ħ! ħ |      |      | ϕ, t9 ħ. ħ |      |      | ϕ, t9 ħ/ ħ |      |      | ϕ, t9 ħ5 ħ |      | ϕ, t9 ħ9 ħ |      | ϕ, t9 ħC ħ |      |                     |
| ²                            | I  | !o         | !n   | !p   | .o         | .n   | .p   | /o         | /n   | /p   | 5o         | 5n   | 9o         | 9n   | Co         | Cn   |                     |
| пм                           | тТ | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м                |
| пт                           |    | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м                |
| ро                           |    | фф!н       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м                |
| рф                           |    | уу!н       | хр!м | хр!м | хп!н       | хр!м | хр!м | хп!н       | хр!м | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м                |
| ср                           |    | тф!с       | хр!м | хр!м | фо!у       | хр!м | хр!м | фо!у       | хр!м | хр!м | хр!м       | хр!м | хп!у       | хр!м | хр!м       | хр!м | хр!м                |
| тм                           |    | тн!у       | хо!с | хр!м | ур!с       | хр!м | хр!м | ур!с       | хр!м | хр!м | хр!м       | хр!м | фр!р       | хр!м | фy!п       | хр!м | хр!м                |
| тт                           | yo | ст!н       | фр!н | хр!м | ту!у       | хр!м | хр!м | ту!у       | хр!м | хр!м | хр!м       | хр!м | ут!у       | хр!м | уx!п       | хр!м | хр!м                |
| yo                           |    | сн!р       | уу!н | хр!м | то!н       | хп!н | хр!м | то!н       | хп!н | хр!м | фx!о       | хр!м | уm!п       | хр!м | yo!у       | хр!м | хр!м                |
| пм                           |    | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м                |
| пт                           |    | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м                |
| ро                           |    | фm!ф       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м                |
| рф                           |    | уm!у       | хр!м | хр!м | фс!п       | хр!м | хр!м | фс!п       | хр!м | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м                |
| ср                           | уф | то!ф       | хр!м | хр!м | ус!х       | хр!м | хр!м | ус!х       | хр!м | хр!м | хр!м       | хр!м | фс!х       | хр!м | фф!х       | хр!м | хр!м                |
| тм                           |    | ст!с       | фр!ф | хр!м | тф!п       | хр!м | хр!м | тф!п       | хр!м | хр!м | хр!м       | хр!м | уy!п       | хр!м | фm!м       | хр!м | хр!м                |
| тт                           |    | сн!р       | уу!н | хр!м | то!н       | хп!н | хр!м | то!н       | хп!н | хр!м | фx!о       | хр!м | уm!п       | хр!м | yo!у       | хр!м | хр!м                |
| yo                           |    | py!н       | уm!у | хр!м | ст!х       | фс!п | хр!м | ст!х       | фс!п | хр!м | фн!ф       | хр!м | тp!р       | хр!м | тt!у       | хр!м | хр!м                |
| пм                           |    | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м                |
| пт                           |    | фy!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м                |
| ро                           | фр | ур!с       | хр!м | хр!м | хm!м       | хр!м | хр!м | хm!м       | хр!м | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м                |
| рф                           |    | тс!о       | хр!м | хр!м | уф!ф       | хр!м | хр!м | уф!ф       | хр!м | хр!м | хр!м       | хр!м | фx!о       | хр!м | хо!п       | хр!м | хр!м                |
| ср                           |    | сф!м       | фy!м | хр!м | уm!м       | хр!м | хр!м | уm!м       | хр!м | хр!м | хр!м       | хр!м | уx!п       | хр!м | фо!н       | хр!м | хр!м                |
| тм                           |    | со!о       | уф!п | хр!м | тп!м       | хр!м | хр!м | тп!м       | хр!м | хр!м | хm!т       | хр!м | ун!р       | хр!м | ун!ф       | хр!м | хр!м                |
| тт                           |    | py!р       | ун!о | хр!м | су!п       | фс!х | хр!м | су!п       | фс!х | хр!м | фо!п       | хр!м | тp!х       | хр!м | ту!н       | хр!м | хр!м                |
| yo                           |    | рп!с       | тс!о | фy!м | со!с       | уф!ф | хр!м | со!с       | уф!ф | хр!м | ус!с       | хр!м | сx!с       | фx!о | тн!с       | хо!п | хр!м                |
| пм                           | хм | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м                |
| пт                           |    | фm!ф       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м                |
| ро                           |    | тx!о       | хр!м | хр!м | фп!т       | хр!м | хр!м | фп!т       | хр!м | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м                |
| рф                           |    | тm!т       | хm!х | хр!м | ун!н       | хр!м | хр!м | ун!н       | хр!м | хр!м | хр!м       | хр!м | фо!х       | хр!м | фс!у       | хр!м | хр!м                |
| ср                           |    | сн!ф       | фm!ф | хр!м | тс!м       | хр!м | хр!м | тс!м       | хр!м | хр!м | хп!с       | хр!м | ун!у       | хр!м | ут!о       | хр!м | хр!м                |
| тм                           |    | рф!с       | yo!у | хр!м | сф!с       | фy!ф | хр!м | сф!с       | фy!ф | хр!м | фр!н       | хр!м | тt!п       | хр!м | тф!т       | хр!м | хр!м                |
| тт                           | xm | pp!н       | тт!н | фф!н | сн!о       | уx!ф | хр!м | сн!о       | уx!ф | хр!м | ут!с       | хр!м | тm!п       | хm!р | то!п       | хп!с | хр!м                |
| yo                           |    | рm!р       | тm!т | фm!ф | рф!ф       | ун!н | хр!м | рф!ф       | ун!н | хр!м | ум!н       | хр!м | сс!о       | фо!х | су!н       | фс!у | хр!м                |
| пм                           |    | хm!с       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м                |
| пт                           |    | ус!р       | хр!м | хр!м | хн!м       | хр!м | хр!м | хн!м       | хр!м | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м                |
| ро                           |    | тp!т       | хр!м | хр!м | уф!м       | хр!м | хр!м | уф!м       | хр!м | хр!м | хр!м       | хр!м | фф!р       | хр!м | хн!р       | хр!м | хр!м                |
| рф                           |    | ст!с       | фр!ф | хр!м | тф!п       | хр!м | хр!м | тф!п       | хр!м | хр!м | хр!м       | хр!м | уy!п       | хр!м | фm!м       | хр!м | хр!м                |
| ср                           | xt | см!п       | ус!р | хр!м | тm!у       | хн!м | хр!м | тm!у       | хн!м | хр!м | фy!о       | хр!м | тф!у       | хр!м | ун!н       | хр!м | хр!м                |
| тм                           |    | рс!о       | ту!ф | хm!с | сp!т       | фн!х | хр!м | сp!т       | фн!х | хр!м | уф!с       | хр!м | тн!х       | хо!ф | тp!м       | хр!м | хр!м                |
| тт                           |    | рн!н       | тн!у | фо!о | рx!т       | ур!с | хр!м | рx!т       | ур!с | хр!м | ун!р       | хр!м | ст!о       | фр!р | сф!о       | фy!п | хр!м                |
| yo                           |    | пу!у       | ст!с | ус!р | рс!с       | тф!п | хн!м | рс!с       | тф!п | хн!м | тс!р       | хр!м | сн!т       | уy!п | сн!п       | фm!м | хр!м                |
| пм                           |    | фp!ф       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м                |
| пт                           |    | ум!у       | хр!м | хр!м | фс!п       | хр!м | хр!м | фс!п       | хр!м | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м                |
| ро                           | hp | тm!т       | хm!х | хр!м | ун!н       | хр!м | хр!м | ун!н       | хр!м | хр!м | хр!м       | хр!м | фо!х       | хр!м | фс!у       | хр!м | хр!м                |
| рф                           |    | сн!м       | уx!с | хр!м | тp!м       | хр!м | хр!м | тp!м       | хр!м | хр!м | хо!м       | хр!м | yo!с       | хр!м | ус!м       | хр!м | хр!м                |
| ср                           |    | py!н       | уm!у | хр!м | ст!х       | фс!п | хр!м | ст!х       | фс!п | хр!м | фн!ф       | хр!м | тp!р       | хр!м | тт!у       | хр!м | хр!м                |
| тм                           |    | ро!р       | тп!т | фр!ф | сн!о       | ут!ф | хр!м | сн!о       | ут!ф | хр!м | ун!т       | хр!м | сф!м       | фy!м | тm!м       | хm!м | хр!м                |
| тт                           |    | пф!с       | су!ф | уу!н | рт!с       | тx!ф | хп!н | рт!с       | тx!ф | хп!н | тт!х       | хр!м | со!у       | уx!н | сp!с       | фн!ф | хр!м                |
| yo                           |    | пс!п       | сн!м | ум!у | ро!у       | тp!м | фс!п | ро!у       | тp!м | фс!п | тн!п       | хо!м | рф!п       | yo!с | см!м       | ус!м | хр!м                |

| ! b/Ihw [h!5 /!t! /!ϕ, ЫĴǺťǻ |      |            |      |      |            |      |      |            |      |      | 9ĚÚĽ ůĚŵ λ ĽyŮĽ ůřŵ |      |            |      |            |      |      |      |
|------------------------------|------|------------|------|------|------------|------|------|------------|------|------|---------------------|------|------------|------|------------|------|------|------|
| b2YX<br>{iĬSǻ ūiyŮ           |      | ϕ, t9 ħ! ħ |      |      | ϕ, t9 ħ. ħ |      |      | ϕ, t9 ħ/ ħ |      |      | ϕ, t9 ħ5 ħ          |      | ϕ, t9 ħ9 ħ |      | ϕ, t9 ħC ħ |      |      |      |
| ²                            | I    | !o         | !n   | !p   | .o         | .n   | .p   | /o         | /n   | /p   | 5o                  | 5n   | 9o         | 9n   | Co         | Cn   |      |      |
| пм                           | HMO  | yx!ф       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м       | хр!м | хр!м | хр!м                | хр!м | хр!м       | хр!м | хр!м       | хр!м |      |      |
| пт                           |      | тт!с       | хр!м | хр!м | фm!п       | хр!м | хр!м | фm!п       | хр!м | хр!м | хр!м                | хр!м | хн!м       | хр!м | хр!м       | хр!м |      |      |
| ро                           |      | су!м       | фс!с | хр!м | тф!ф       | хр!м | хр!м | тф!ф       | хр!м | хр!м | хр!м                | хр!м | уф!м       | хр!м | фm!у       | хр!м |      |      |
| рф                           |      | рx!х       | ур!ф | хр!м | тm!о       | хm!р | хр!м | тm!о       | хm!р | хр!м | хр!м                | хр!м | фт!т       | хр!м | тф!о       | хр!м | ум!т |      |
| ср                           |      | pp!п       | тт!с | фф!у | сн!с       | фm!п | хр!м | сн!с       | фm!п | хр!м | уy!м                | хр!м | хр!м       | тm!у | хн!м       | то!у | хр!м |      |
| тм                           |      | пx!х       | сx!х | уx!ф | рф!о       | yo!п | хр!м | рф!о       | yo!п | хр!м | хр!м                | хр!м | хр!м       | сp!т | фн!х       | ст!с | фp!у |      |
| тт                           | HMF  | пт!п       | сp!р | yo!т | рп!ф       | тс!у | фy!т | рп!ф       | тс!у | фy!т | тп!м                | хр!м | хр!м       | рx!т | yp!р       | сн!п | уy!м |      |
| yo                           |      | пп!п       | рx!х | тт!с | рm!о       | тm!о | фm!п | рm!о       | тm!о | фm!п | су!у                | фт!т | pc!с       | тф!о | py!н       | ум!т |      |      |
| пм                           |      | ус!р       | хр!м | хр!м | хн!м       | хр!м | хр!м | хн!м       | хр!м | хр!м | хр!м                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| пт                           |      | то!ф       | хр!м | хр!м | ус!х       | хр!м | хр!м | ус!х       | хр!м | хр!м | хр!м                | хр!м | хр!м       | фс!х | хр!м       | фф!х | хр!м |      |
| ро                           |      | сп!ф       | фm!ф | хр!м | тс!м       | хр!м | хр!м | тс!м       | хр!м | хр!м | хр!м                | хр!м | хр!м       | хп!с | хр!м       | ун!у | хр!м |      |
| рф                           |      | ру!н       | ум!у | хр!м | хр!м       | ст!х | фс!п | хр!м       | ст!х | фс!п | хр!м                | хр!м | хр!м       | фн!ф | хр!м       | тp!р | хр!м |      |
| ср                           | HNP  | рн!х       | то!ф | фп!ф | см!т       | ус!х | хр!м | см!т       | ус!х | хр!м | yo!у                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| тм                           |      | пу!у       | ст!с | ус!р | pc!с       | тф!п | хн!м | pc!с       | тф!п | хн!м | тс!р                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| тт                           |      | пр!п       | сн!р | тф!с | рн!р       | то!н | фо!у | рн!р       | то!н | фо!у | сx!с                | фx!о | рт!х       | ум!п | рф!с       | yo!у | хр!м |      |
| yo                           |      | пн!р       | ру!н | то!ф | пу!х       | ст!х | ус!х | пу!х       | ст!х | ус!х | сp!с                | фн!ф | рп!м       | тp!р | pp!р       | тт!у | хр!м |      |
| пм                           |      | ун!р       | хр!м | хр!м | фт!о       | хр!м | хр!м | фт!о       | хр!м | хр!м | хр!м                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| пт                           |      | сx!с       | фx!п | хр!м | ун!х       | хр!м | хр!м | ун!х       | хр!м | хр!м | хр!м                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| ро                           | HNP  | сн!м       | ут!с | хр!м | тн!т       | хо!р | хр!м | тн!т       | хо!р | хр!м | фф!с                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| рф                           |      | pp!т       | тт!х | фx!п | сн!х       | фm!ф | хр!м | сн!х       | фm!ф | хр!м | уy!с                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| ср                           |      | пx!у       | сx!с | уx!п | py!х       | ун!х | хр!м | пу!х       | ун!х | хр!м | тф!х                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| тм                           |      | пс!у       | сп!т | ун!р | рп!н       | тр!у | фт!о | рп!н       | тр!у | фт!о | то!м                | хп!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| тт                           |      | по!с       | рф!у | тр!х | пx!о       | сф!ф | уф!р | пx!о       | сф!ф | уф!р | ст!п                | фp!с | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| yo                           |      | ок!ф       | pp!т | сx!с | пс!х       | сн!х | ун!х | пс!х       | сн!х | ун!х | сн!т                | уy!с | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| пм                           | HOM  | ту!ф       | хр!м | хр!м | фн!х       | хр!м | хр!м | фн!х       | хр!м | хр!м | хр!м                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| пт                           |      | ст!с       | фp!ф | хр!м | тф!п       | хр!м | хр!м | тф!п       | хр!м | хр!м | хр!м                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| ро                           |      | рф!с       | yo!у | хр!м | сф!с       | фу!ф | хр!м | сф!с       | фу!ф | хр!м | фp!н                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| рф                           |      | ро!р       | тп!т | фp!ф | сн!о       | ут!ф | хр!м | сн!о       | ут!ф | хр!м | ун!т                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| ср                           |      | пу!у       | ст!с | ус!р | pc!с       | тф!п | хн!м | pc!с       | тф!п | хн!м | тс!р                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| тм                           |      | пп!х       | см!х | ту!ф | рн!м       | тн!р | фн!х | рн!м       | тн!р | фн!х | сф!х                | фф!п | рп!р       | тx!т | рф!м       | yo!м | хр!м |      |
| пм                           | HOT  | тр!т       | хр!м | хр!м | уф!м       | хр!м | хр!м | уф!м       | хр!м | хр!м | хр!м                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| пт                           |      | сп!ф       | фm!ф | хр!м | тс!м       | хр!м | хр!м | тс!м       | хр!м | хр!м | хп!с                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| ро                           |      | рт!н       | тx!о | хо!п | сс!у       | фп!т | хр!м | сс!у       | фп!т | хр!м | фm!н                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| рф                           |      | рm!р       | тm!т | фm!ф | рф!ф       | уп!н | хр!м | рф!ф       | уп!н | хр!м | хр!м                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| ср                           |      | пс!х       | сп!ф | ун!ф | рп!п       | тс!м | фт!у | рп!п       | тс!м | фт!у | то!п                | хп!с | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| пм                           |      | HPO        | тн!у | хо!с | хр!м       | ур!с | хр!м | хр!м       | ур!с | хр!м | хр!м                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м | хр!м |
| пт                           | сн!р |            | уy!н | хр!м | то!н       | хп!н | хр!м | то!н       | хп!н | хр!м | фx!о                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| ро                           | pp!н |            | тт!н | фф!н | сп!о       | уx!ф | хр!м | сп!о       | уx!ф | хр!м | ут!с                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| рф                           | пф!с |            | су!ф | уy!н | рт!с       | тx!ф | хп!н | рт!с       | тx!ф | хп!н | тт!х                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| пм                           | HNP  |            | сx!м | фф!с | хр!м       | ун!о | хр!м | ун!о       | хр!м | хр!м | хр!м                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м | хр!м |
| пт                           |      |            | рx!о | уп!у | хр!м       | сx!р | фx!м | хр!м       | сx!р | фx!м | хр!м                | фс!п | хр!м       | хр!м | хр!м       | хр!м | хр!м | хр!м |
| ро                           |      | ро!н       | тп!о | фp!п | см!х       | ут!п | хр!м | см!х       | ут!п | хр!м | ун!н                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| рф                           |      | пт!х       | сс!п | ун!у | pp!с       | тт!ф | фx!м | pp!с       | тт!ф | фx!м | тр!м                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| ор                           |      | ум!у       | хр!м | хр!м | фс!п       | хр!м | хр!м | фс!п       | хр!м | хр!м | хр!м                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| пм                           |      | HNP        | ст!с | фp!ф | хр!м       | тф!п | хр!м | хр!м       | тф!п | хр!м | хр!м                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м | хр!м |
| пт                           | ру!н |            | ум!у | хр!м | ст!х       | фс!п | хр!м | ст!х       | фс!п | хр!м | фн!ф                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| ро                           | рm!р |            | тm!т | фm!ф | рф!ф       | уп!н | хр!м | рф!ф       | уп!н | хр!м | хр!м                | хр!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |
| 48                           | пс!п |            | сп!м | ум!у | ро!у       | тр!м | фс!п | ро!у       | тр!м | фс!п | тн!п                | хо!м | хр!м       | хр!м | хр!м       | хр!м | хр!м |      |

| !b/Ihw[h!5 /!t! /!ɕ, ǫǫǎťǔ |    |           |      |      |      |           |      |      |           |      |      |      | 9Ǽǫǫ ǔǔǔ ǎ ǫǫǫǫ ǔǔǔ |      |      |           |      |      |           |      |      |      |
|----------------------------|----|-----------|------|------|------|-----------|------|------|-----------|------|------|------|---------------------|------|------|-----------|------|------|-----------|------|------|------|
| b2Yǫ<br>{ǐǐǎǎ ǔǫǫǔ         |    | ɕ, t9 ȷ!ȷ |      |      |      | ɕ, t9 ȷ.ȷ |      |      | ɕ, t9 ȷ/ȷ |      |      |      | ɕ, t9 ȷ5ȷ           |      |      | ɕ, t9 ȷ9ȷ |      |      | ɕ, t9 ȷǫȷ |      |      |      |
| ²                          | I  | !o        | !n   | !p   | !c   | .o        | .n   | .p   | /o        | /n   | /p   | /c   | 5o                  | 5n   | 5p   | 9o        | 9n   | 9p   | Co        | Cn   | Cp   |      |
| пм                         | тт | хр!м      | хр!м | хр!м | хр!м | хр!м      | хр!м | хр!м | хр!м      | хр!м | хр!м | хр!м | хр!м                | хр!м | хр!м | хр!м      | хр!м | хр!м | хр!м      | хр!м | хр!м |      |
| пт                         |    | фф!о      | хр!м | хр!м | хр!м | хр!м      | хр!м | хр!м | фф!о      | хр!м | хр!м | хр!м | хр!м                | хр!м | хр!м | хр!м      | хр!м | хр!м | хр!м      | хр!м | хр!м |      |
| ро                         |    | уc!т      | хр!м | хр!м | хр!м | хр!м      | хр!м | хр!м | уc!т      | хр!м | хр!м | хр!м | хр!м                | хр!м | хр!м | хр!м      | хр!м | хр!м | фх!р      | хр!м | хр!м |      |
| рф                         |    | тт!о      | хр!м | хр!м | хр!м | хп!н      | хр!м | хр!м | тт!о      | хр!м | хр!м | хр!м | хр!м                | хр!м | хр!м | хр!м      | хр!м | хр!м | уф!о      | хр!м | хр!м |      |
| ср                         |    | сф!ф      | фф!о | хр!м | хр!м | фо!у      | хр!м | хр!м | сф!ф      | фф!о | хр!м | хр!м | фc!у                | хр!м | хр!м | фc!у      | хр!м | хр!м | тх!с      | хр!м | хр!м |      |
| тм                         |    | co!х      | ух!р | хр!м | хр!м | ур!с      | хр!м | хр!м | co!х      | ух!р | хр!м | хр!м | уу!н                | хр!м | хр!м | уу!н      | хр!м | хр!м | то!с      | хп!ф | хр!м |      |
| тт                         | уо | рф!н      | уo!о | хр!м | хр!м | ту!у      | хр!м | хр!м | рф!н      | уo!о | хр!м | хр!м | ум!н                | хр!м | хр!м | ум!н      | хр!м | хр!м | ст!х      | фc!п | хр!м |      |
| уо                         |    | рр!н      | тт!о | фф!о | хр!м | то!н      | хп!н | хр!м | рр!н      | тт!о | фф!о | хр!м | тр!о                | хр!м | хр!м | тр!о      | хр!м | хр!м | co!н      | уф!о | хр!м |      |
| пм                         |    | хр!м      | хр!м | хр!м | хр!м | хр!м      | хр!м | хр!м | хр!м      | хр!м | хр!м | хр!м | хр!м                | хр!м | хр!м | хр!м      | хр!м | хр!м | хр!м      | хр!м | хр!м |      |
| пт                         |    | фм!х      | хр!м | хр!м | хр!м | хр!м      | хр!м | хр!м | фм!х      | хр!м | хр!м | хр!м | хр!м                | хр!м | хр!м | хр!м      | хр!м | хр!м | хр!м      | хр!м | хр!м |      |
| ро                         |    | тх!п      | хр!м | хр!м | хр!м | хр!м      | хр!м | хр!м | тх!п      | хр!м | хр!м | хр!м | хр!м                | хр!м | хр!м | хр!м      | хр!м | хр!м | хр!м      | фн!х | хр!м | хр!м |
| рф                         |    | тм!у      | хн!м | хр!м | хр!м | фc!п      | хр!м | хр!м | тм!у      | хн!м | хр!м | хр!м | хр!м                | фф!п | хр!м | хр!м      | фф!п | хр!м | хр!м      | ун!у | хр!м | хр!м |
| ср                         | уф | сн!х      | фм!х | хр!м | хр!м | уc!х      | хр!м | хр!м | сн!х      | фм!х | хр!м | хр!м | уф!с                | хр!м | хр!м | уф!с      | хр!м | хр!м | тп!у      | хр!м | хр!м |      |
| тм                         |    | рф!с      | уo!ф | хр!м | хр!м | тф!п      | хр!м | хр!м | рф!с      | уo!ф | хр!м | хр!м | ум!у                | хр!м | хр!м | ум!у      | хр!м | хр!м | су!п      | фт!м | хр!м |      |
| тт                         |    | рр!н      | тт!о | фф!о | хр!м | то!н      | хп!н | хр!м | рр!н      | тт!о | фф!о | хр!м | тр!о                | хр!м | хр!м | тр!о      | хр!м | хр!м | co!н      | уф!о | хр!м |      |
| уо                         |    | рм!р      | тм!у | фм!х | хр!м | ст!х      | фc!п | хр!м | рм!р      | тм!у | фм!х | хр!м | сф!х                | фф!п | хр!м | сф!х      | фф!п | хр!м | ру!ф      | ун!у | хр!м |      |
| пм                         |    | фх!т      | хр!м | хр!м | хр!м | хр!м      | хр!м | хр!м | фх!т      | хр!м | хр!м | хр!м | хр!м                | хр!м | хр!м | хр!м      | хр!м | хр!м | хр!м      | хр!м | хр!м |      |
| пт                         |    | ур!у      | хр!м | хр!м | хр!м | хр!м      | хр!м | хр!м | ур!у      | хр!м | хр!м | хр!м | хр!м                | хр!м | хр!м | хр!м      | хр!м | хр!м | хр!м      | фф!о | хр!м | хр!м |
| ро                         | хп | тр!м      | хр!м | хр!м | хр!м | хм!м      | хр!м | хр!м | тр!м      | хр!м | хр!м | хр!м | хп!о                | хр!м | хр!м | хп!о      | хр!м | хр!м | уc!т      | хр!м | хр!м |      |
| рф                         |    | ст!м      | фр!м | хр!м | хр!м | уф!ф      | хр!м | хр!м | ст!м      | фр!м | хр!м | хр!м | фн!с                | хр!м | хр!м | фн!с      | хр!м | хр!м | тт!о      | хр!м | хр!м |      |
| ср                         |    | рх!ф      | ур!у | хр!м | хр!м | ум!м      | хр!м | хр!м | рх!ф      | ур!у | хр!м | хр!м | уo!с                | хр!м | хр!м | уo!с      | хр!м | хр!м | сф!ф      | фф!о | хр!м |      |
| тм                         |    | рр!ф      | ту!о | фх!т | хр!м | тп!м      | хр!м | хр!м | рр!ф      | ту!о | фх!т | хр!м | тc!о                | хр!м | хр!м | тc!о      | хр!м | хр!м | co!х      | ух!р | хр!м |      |
| тт                         |    | рм!у      | тн!н | фн!с | хр!м | су!п      | фc!х | хр!м | рм!у      | тн!н | фн!с | хр!м | сх!п                | фх!м | хр!м | сх!п      | фх!м | хр!м | рф!н      | уo!о | хр!м |      |
| уо                         |    | пу!п      | ст!м | ур!у | хп!п | co!с      | уф!ф | хр!м | пу!п      | ст!м | ур!у | хп!п | ср!р                | фн!с | хр!м | ср!р      | фн!с | хр!м | рр!н      | тт!о | фф!о |      |
| пм                         | фр | фп!о      | хр!м | хр!м | хр!м | хр!м      | хр!м | хр!м | фп!о      | хр!м | хр!м | хр!м | хр!м                | хр!м | хр!м | хр!м      | хр!м | хр!м | хр!м      | хр!м | хр!м |      |
| пт                         |    | тх!п      | хр!м | хр!м | хр!м | хр!м      | хр!м | хр!м | тх!п      | хр!м | хр!м | хр!м | хр!м                | хр!м | хр!м | хр!м      | хр!м | хр!м | фн!х      | хр!м | хр!м |      |
| ро                         |    | сх!р      | фх!н | хр!м | хр!м | фп!т      | хр!м | хр!м | сх!р      | фх!н | хр!м | хр!м | фт!с                | хр!м | хр!м | фт!с      | хр!м | хр!м | ум!о      | хр!м | хр!м |      |
| рф                         |    | co!м      | уф!м | хр!м | хр!м | ун!н      | хр!м | хр!м | co!м      | уф!м | хр!м | хр!м | уc!у                | хр!м | хр!м | уc!у      | хр!м | хр!м | тн!р      | хo!н | хр!м |      |
| ср                         |    | рт!о      | тх!п | хo!р | хр!м | тc!м      | хр!м | хр!м | рт!о      | тх!п | хo!р | хр!м | ту!п                | хр!м | хр!м | ту!п      | хр!м | хр!м | ср!т      | фн!х | хр!м |      |
| тм                         |    | рн!т      | то!р | фп!о | хр!м | сф!с      | фу!ф | хр!м | рн!т      | то!р | фп!о | хр!м | тм!т                | хм!х | хр!м | тм!т      | хм!х | хр!м | рх!н      | уп!у | хр!м |      |
| тт                         | хм | пу!ф      | ст!у | уc!т | хр!м | сн!о      | ух!ф | хр!м | пу!ф      | ст!у | уc!т | хр!м | cc!н                | фо!т | хр!м | cc!н      | фо!т | хр!м | рр!у      | ту!м | фх!р |      |
| уо                         |    | пр!у      | co!м | тх!п | фт!у | рф!ф      | ун!н | хр!м | пр!у      | co!м | тх!п | фт!у | см!с                | уc!у | хр!м | см!с      | уc!у | хр!м | рн!м      | тн!р | фн!х |      |
| пм                         |    | уу!у      | хр!м | хр!м | хр!м | хр!м      | хр!м | хр!м | уу!у      | хр!м | хр!м | хр!м | хр!м                | хр!м | хр!м | хр!м      | хр!м | хр!м | хн!у      | хр!м | хр!м |      |
| пт                         |    | тр!у      | хр!м | хр!м | хр!м | хн!м      | хр!м | хр!м | тр!у      | хр!м | хр!м | хр!м | хр!м                | хр!м | хр!м | хр!м      | хр!м | хр!м | хр!м      | хр!м | хр!м |      |
| ро                         |    | cc!с      | фп!о | хр!м | хр!м | уф!м      | хр!м | хр!м | cc!с      | фп!о | хр!м | хр!м | фм!ф                | хр!м | хр!м | фм!ф      | хр!м | хр!м | тc!с      | хр!м | хр!м |      |
| рф                         |    | рф!с      | уo!ф | хр!м | хр!м | тф!п      | хр!м | хр!м | рф!с      | уo!ф | хр!м | хр!м | ум!у                | хр!м | хр!м | ум!у      | хр!м | хр!м | су!п      | фт!м | хр!м |      |
| ср                         | хт | рп!н      | тр!у | фт!п | хр!м | тм!у      | хн!м | хр!м | рп!н      | тр!у | фт!п | хр!м | то!ф                | хр!м | хр!м | то!ф      | хр!м | хр!м | сн!м      | ут!р | хр!м |      |
| тм                         |    | пф!ф      | сф!о | уу!у | хр!м | ср!т      | фн!х | хр!м | пф!ф      | сф!о | уу!у | хр!м | ст!с                | фр!ф | хр!м | ст!с      | фр!ф | хр!м | рс!х      | тф!ф | хн!у |      |
| тт                         |    | пc!п      | co!х | ум!т | фф!о | рх!т      | ур!с | хр!м | пc!п      | co!х | ум!т | фф!о | сн!р                | уу!н | хр!м | сн!р      | уу!н | хр!м | рн!у      | то!с | фп!р |      |
| уо                         |    | по!р      | рф!с | тр!у | фм!х | рc!с      | тф!п | хн!м | по!р      | рф!с | тр!у | фм!х | ру!н                | ум!у | хр!м | ру!н      | ум!у | хр!м | пф!о      | су!п | ут!р |      |
| пм                         |    | уo!ф      | хр!м | хр!м | хр!м | хр!м      | хр!м | хр!м | уo!ф      | хр!м | хр!м | хр!м | хр!м                | хр!м | хр!м | хр!м      | хр!м | хр!м | хр!м      | хр!м | хр!м |      |
| пт                         |    | тм!у      | хн!м | хр!м | хр!м | фc!п      | хр!м | хр!м | тм!у      | хн!м | хр!м | хр!м | фф!п                | хр!м | хр!м | фф!п      | хр!м | хр!м | ун!у      | хр!м | хр!м |      |
| ро                         | хп | co!м      | уф!м | хр!м | хр!м | ун!н      | хр!м | хр!м | co!м      | уф!м | хр!м | хр!м | уc!у                | хр!м | хр!м | уc!у      | хр!м | хр!м | тн!р      | хo!н | хр!м |      |
| рф                         |    | рc!с      | тф!п | хн!м | хр!м | тр!м      | хр!м | хр!м | рc!с      | тф!п | хн!м | хр!м | тт!п                | хр!м | хр!м | тт!п      | хр!м | хр!м | сн!ф      | фм!т | хр!м |      |
| ср                         |    | рм!р      | тм!у | фм!х | хр!м | ст!х      | фc!п | хр!м | рм!р      | тм!у | фм!х | хр!м | сф!х                | фф!п | хр!м | сф!х      | фф!п | хр!м | ру!ф      | ун!у | хр!м |      |
| тм                         |    | пт!р      | ср!т | уo!ф | хн!м | сн!о      | ут!ф | хр!м | пт!р      | ср!т | уo!ф | хн!м | сн!м                | ух!с | хр!м | сн!м      | ух!с | хр!м | рп!м      | тр!с | фт!м |      |
| тт                         |    | пп!н      | рх!т | тт!о | фо!у | рт!с      | тх!ф | хп!н | пп!н      | рх!т | тт!о | фо!у | рф!о                | уo!п | хр!м | рф!о      | уo!п | хр!м | пх!н      | сф!т | уф!о |      |
| уо                         |    | пм!п      | рc!с | тм!у | уc!ф | ро!у      | тр!м | фc!п | пм!п      | рc!с | тм!у | уc!ф | рр!о                | тт!п | фф!п | рр!о      | тт!п | фф!п | пc!ф      | сн!ф | ун!у |      |

| !b/Ihw[h!5/!t!/ɕ, ǫǪǪǔ |      |          |      |      |      |          |      |      |          |      |      |      | 9Ǽǫ ǔǔǔ ǎ ǫǫǫǫ ǔǔǔ |      |      |          |      |      |         |      |      |
|------------------------|------|----------|------|------|------|----------|------|------|----------|------|------|------|--------------------|------|------|----------|------|------|---------|------|------|
| b2Yɕ<br>{ǪǪǎ ǔǫǔ       |      | ɕ, t9ǫ!ǫ |      |      |      | ɕ, t9ǫ.ǫ |      |      | ɕ, t9ǫ/ǫ |      |      |      | ɕ, t9ǫ5ǫ           |      |      | ɕ, t9ǫ9ǫ |      |      | ɕ, t9ǫǫ |      |      |
| ²                      | I    | !o       | !n   | !p   | !c   | .o       | .n   | .p   | /o       | /n   | /p   | /c   | 5o                 | 5n   | 5p   | 9o       | 9n   | 9p   | Co      | Cn   | Cr   |
| пм                     | нмo  | тф!с     | хр!м | хр!м | хр!м | хр!м     | хр!м | хр!м | тф!с     | хр!м | хр!м | хр!м | хр!м               | хр!м | хр!м | хр!м     | хр!м | хр!м | фм!х    | хр!м | хр!м |
| пт                     |      | су!н     | фс!т | хр!м | хр!м | фм!п     | хр!м | хр!м | су!н     | фс!т | хр!м | хр!м | фп!н               | хр!м | хр!м | фп!н     | хр!м | хр!м | ту!с    | хр!м | хр!м |
| ро                     |      | рф!х     | ун!р | хр!м | хр!м | тф!ф     | хр!м | хр!м | рф!х     | ун!р | хр!м | хр!м | ун!п               | хр!м | хр!м | ун!п     | хр!м | хр!м | су!ф    | фт!у | хр!м |
| рф                     |      | ро!ф     | тр!о | фс!т | хр!м | тм!о     | хм!р | хр!м | ро!ф     | тр!о | фс!т | хр!м | то!р               | хп!с | хр!м | то!р     | хп!с | хр!м | см!т    | ус!х | хр!м |
| ср                     |      | пф!н     | су!н | ут!н | хр!м | сн!с     | фм!п | хр!м | пф!н     | су!н | ут!н | хр!м | сс!р               | фп!н | хр!м | сс!р     | фп!н | хр!м | рс!м    | ту!с | фх!х |
| тм                     |      | пр!п     | сн!р | тф!с | фс!т | рф!о     | уо!п | хр!м | пр!п     | сн!р | тф!с | фс!т | рх!х               | ур!ф | хр!м | рх!х     | ур!ф | хр!м | рм!с    | тм!у | фм!х |
| тт                     | нмф  | пн!н     | рт!у | то!п | уу!х | рп!ф     | тc!у | фу!т | пн!н     | рт!у | то!п | уу!х | рс!п               | тф!м | хм!у | рс!п     | тф!м | хм!у | пт!ф    | сс!о | ун!т |
| yo                     |      | оф!с     | ро!ф | су!н | ун!р | рм!о     | тм!о | фм!п | оф!с     | ро!ф | су!н | ун!р | рн!т               | то!р | фп!н | рн!т     | то!р | фп!н | пн!у    | см!т | ту!с |
| пм                     |      | тр!у     | хр!м | хр!м | хр!м | хн!м     | хр!м | хр!м | тр!у     | хр!м | хр!м | хр!м | хр!м               | хр!м | хр!м | хр!м     | хр!м | хр!м | хр!м    | хр!м | хр!м |
| пт                     |      | сп!х     | фм!х | хр!м | хр!м | ус!х     | хр!м | хр!м | сп!х     | фм!х | хр!м | хр!м | уф!с               | хр!м | хр!м | уф!с     | хр!м | хр!м | хр!м    | хр!м | хр!м |
| ро                     |      | рт!о     | тх!п | хо!р | хр!м | тc!м     | хр!м | хр!м | рт!о     | тх!п | хо!р | хр!м | ту!п               | хр!м | хр!м | ту!п     | хр!м | хр!м | хр!м    | хр!м | хр!м |
| рф                     |      | пм!р     | тм!у | фм!х | хр!м | ст!х     | фс!п | хр!м | рм!р     | тм!у | фм!х | хр!м | сф!х               | фф!п | хр!м | сф!х     | фф!п | хр!м | хр!м    | хр!м | хр!м |
| ср                     | нмф  | пт!м     | сп!х | ун!х | фх!х | см!т     | ус!х | хр!м | пт!м     | сп!х | ун!х | фх!х | со!п               | уф!с | хр!м | со!п     | уф!с | хр!м | ро!с    | тп!у | фр!х |
| тм                     |      | по!р     | рф!с | тр!у | фм!х | рс!с     | тф!п | хн!м | по!р     | рф!с | тр!у | фм!х | ру!н               | ум!у | хр!м | ру!н     | ум!у | хр!м | пф!о    | су!п | ут!р |
| тт                     |      | ох!р     | рр!н | сф!ф | ун!с | рн!р     | то!н | фо!у | ох!р     | рр!н | сф!ф | ун!с | ро!ф               | тр!о | фс!у | ро!ф     | тр!о | фс!у | пр!у    | со!н | тх!с |
| yo                     |      | оу!м     | рм!р | сп!х | ту!р | пу!х     | ст!х | ус!х | оу!м     | рм!р | сп!х | ту!р | пх!п               | сф!х | уф!с | пх!п     | сф!х | уф!с | пн!х    | ру!ф | тп!у |
| пм                     |      | тн!п     | хо!м | хр!м | хр!м | фт!о     | хр!м | хр!м | тн!п     | хо!м | хр!м | хр!м | фх!п               | хр!м | хр!м | фх!п     | хр!м | хр!м | хр!м    | хр!м | хр!м |
| пт                     |      | сн!н     | ут!т | хр!м | хр!м | ун!х     | хр!м | хр!м | сн!н     | ут!т | хр!м | хр!м | ур!р               | хр!м | хр!м | ур!р     | хр!м | хр!м | хр!м    | хр!м | хр!м |
| ро                     | ннр  | рп!ф     | тc!у | фу!т | хр!м | тн!т     | хо!р | хр!м | рп!ф     | тc!у | фу!т | хр!м | тп!ф               | хр!м | хр!м | тп!ф     | хр!м | хр!м | хр!м    | хр!м |      |
| рф                     |      | пф!п     | су!с | ут!т | хр!м | сп!х     | фм!ф | хр!м | пф!п     | су!с | ут!т | хр!м | сс!ф               | фп!у | хр!м | сс!ф     | фп!у | хр!м | хр!м    |      |      |
| ср                     |      | пр!н     | сн!н | тф!н | фс!н | ру!х     | ун!х | хр!м | пр!н     | сн!н | тф!н | фс!н | рх!т               | ур!р | хр!м | рх!т     | ур!р | хр!м | хр!м    |      |      |
| тм                     |      | ом!у     | рт!м | тх!п | ут!т | рп!н     | тр!у | фт!о | пм!у     | рт!м | тх!п | ут!т | рр!т               | тт!х | фх!н | рр!т     | тт!х | фх!п | пт!о    | ср!п |      |
| тт                     |      | оу!х     | рн!ф | сс!у | тп!у | пх!о     | хр!с | уф!р | оу!х     | рн!ф | сс!у | тп!у | рм!т               | тм!х | фн!н | рм!т     | тм!х | фн!н | по!х    | рх!р |      |
| yo                     |      | ос!с     | пф!п | сн!н | тп!х | пc!х     | сп!х | ун!х | ос!с     | пф!п | сн!н | тп!х | пу!о               | сс!ф | ур!р | пу!о     | сс!ф | ур!р | пм!о    | рс!п |      |
| пм                     | ном  | сф!о     | фу!р | хр!м | хр!м | фн!х     | хр!м | хр!м | сф!о     | фу!р | хр!м | хр!м | фр!ф               | хр!м | хр!м | фр!ф     | хр!м | хр!м | хр!м    |      |      |
| пт                     |      | рф!с     | уо!ф | хр!м | хр!м | тф!п     | хр!м | хр!м | рф!с     | уо!ф | хр!м | хр!м | ум!у               | хр!м | хр!м | ум!у     | хр!м | хр!м |         |      |      |
| ро                     |      | рн!т     | то!р | фп!о | хр!м | сф!с     | фу!ф | хр!м | рн!т     | то!р | фп!о | хр!м | тм!т               | хм!х | хр!м | тм!т     | хм!х | хр!м |         |      |      |
| рф                     |      | пт!р     | ср!т | уо!ф | хн!м | сн!о     | ут!ф | хр!м | пт!р     | ср!т | уо!ф | хн!м | сп!м               | ух!с | хр!м | сп!м     | ух!с | хр!м |         |      |      |
| ср                     |      | по!р     | рф!с | тр!у | фм!х | рс!с     | тф!п | хн!м | по!р     | рф!с | тр!у | фм!х | ру!н               | ум!у | хр!м | ру!н     | ум!у | хр!м |         |      |      |
| тм                     |      | ох!н     | рп!у | сф!о | уо!ф | рн!м     | тн!р | фн!х | ох!н     | рп!у | сф!о | уо!ф | ро!р               | тп!т | фр!ф | ро!р     | тп!т | фр!ф |         |      |      |
| пм                     | нот  | сс!с     | фп!о | хр!м | хр!м | уф!м     | хр!м | хр!м | сс!с     | фп!о | хр!м | хр!м | фм!ф               | хр!м | хр!м | фм!ф     | хр!м | хр!м |         |      |      |
| пт                     |      | рт!о     | тх!п | хо!р | хр!м | тc!м     | хр!м | хр!м | рт!о     | тх!п | хо!р | хр!м | ту!п               | хр!м | хр!м | ту!п     | хр!м |      |         |      |      |
| ро                     |      | пх!т     | сх!р | ух!о | хр!м | сс!у     | фп!т | хр!м | пх!т     | сх!р | ух!о | хр!м | су!у               | фт!с | хр!м | су!у     | фт!с |      |         |      |      |
| рф                     |      | пр!у     | со!м | тх!п | фт!у | рф!ф     | уп!н | хр!м | пр!у     | со!м | тх!п | фт!у | см!с               | ус!у | хр!м | см!с     | ус!у |      |         |      |      |
| ср                     |      | пм!ф     | рт!о | тн!т | уу!м | рп!п     | тc!м | фт!у | пм!ф     | рт!о | тн!т | уу!м | рр!х               | ту!п | фх!у | рр!х     | ту!п |      |         |      |      |
| тм                     |      | фх!у     | пт!р | ср!т | уо!ф |          |      |      |          |      |      |      |                    |      |      |          |      |      |         |      |      |
| пм                     | нпо  | со!х     | ух!р | хр!м | хр!м | ур!с     | хр!м | хр!м | со!х     | ух!р | хр!м | хр!м | уу!н               | хр!м | хр!м | уу!н     | хр!м |      |         |      |      |
| пт                     |      | рр!н     | тт!о | фф!о | хр!м | то!н     | хп!н | хр!м | рр!н     | тт!о | фф!о | хр!м | тр!о               | хр!м | хр!м | тр!о     | хр!м |      |         |      |      |
| ро                     |      | пу!ф     | ст!у | ус!т | хр!м | сп!о     | ух!ф | хр!м | пу!ф     | ст!у | ус!т | хр!м | сс!н               | фо!т | хр!м | сс!н     | фо!т |      |         |      |      |
| рф                     |      | пп!н     | рх!т | тт!о | фо!у | рт!с     | тх!ф | хп!н | пп!н     | рх!т | тт!о | фо!у | рф!о               | уо!п | хр!м | рф!о     | уо!п |      |         |      |      |
| пм                     |      | нпф      | см!т | ут!м | хр!м | хр!м     | ун!о | хр!м | хр!м     | см!т | ут!м | хр!м | хр!м               | ун!у | хр!м | хр!м     | ун!у | хр!м |         |      |      |
| пт                     |      |          | ро!о | тп!п | фр!р | хр!м     | сх!р | фх!м | хр!м     | ро!о | тп!п | фр!р | хр!м               | тн!р | хо!о | хр!м     | тн!р | хо!о |         |      |      |
| ро                     | пт!о |          | ср!п | уо!п | хм!р | см!х     | ут!п | хр!м | пт!о     | ср!п | уо!п | хм!р | со!у               | ух!м | хр!м | со!у     | ух!м |      |         |      |      |
| рф                     | пн!у |          | ру!с | тп!п | ух!н | рр!с     | тт!ф | хр!м | пн!у     | ру!с | тп!п | ух!н | рт!н               | тх!н | хо!о | рт!н     | тх!н |      |         |      |      |
| ср                     | тм!у |          | хн!м | хр!м | хр!м | фс!п     | хр!м | хр!м | тм!у     | хн!м | хр!м | хр!м | фф!п               | хр!м | хр!м | фф!п     | хр!м |      |         |      |      |
| тм                     | хр!м |          | хр!м | хр!м | хр!м | хр!м     | хр!м | хр!м | хр!м     | хр!м | хр!м | хр!м | хр!м               | хр!м | хр!м | хр!м     | хр!м |      |         |      |      |
| пм                     | нпр  | рф!с     | уо!ф | хр!м | хр!м | тф!п     | хр!м | хр!м | рф!с     | уо!ф | хр!м | хр!м | уу!м               | хр!м | хр!м | уу!м     | хр!м |      |         |      |      |
| пт                     |      | рм!р     | тм!у | фм!х | хр!м | ст!х     | фс!п | хр!м | рм!р     | тм!у | фм!х | хр!м | сф!х               | фф!п | хр!м | сф!х     | фф!п |      |         |      |      |
| ро                     |      | пр!у     | со!м | тх!п | фт!у | рф!ф     | уп!н | хр!м | пр!у     | со!м | тх!п | фт!у | см!с               | ус!у | хр!м | см!с     | ус!у |      |         |      |      |
| рф                     |      | пм!п     | рс!с | тм!у | ус!ф | ро!у     | тр!м | фс!п | пм!п     | рс!с | тм!у | ус!ф | рр!о               | тт!п | фф!п | рр!о     | тт!п |      |         |      |      |
|                        |      |          |      |      |      |          |      |      |          |      |      |      |                    |      |      |          |      |      |         |      |      |
| 48                     |      |          |      |      |      |          |      |      |          |      |      |      |                    |      |      |          |      |      |         |      |      |

| 3300 SYSTEM PARTS TABLE |    |         |                                   |                                             |                                                   |
|-------------------------|----|---------|-----------------------------------|---------------------------------------------|---------------------------------------------------|
| Item No.                |    | тлб     | 59{ /wltϕlhb                      | 5l a 9b{ lhb{                               | a ! ϕ9w! [ a !   bc! /ϕ   w9w                     |
| A                       | н  | ппнн    | I9! 5 λ {ϕl [ λ w! a .            | oλcmm È pλcmm                               | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 2  | ппмн    | I9! 5 λ {ϕl [ λ w! a .            | oλcmm È pλcmm                               | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 3  | нмоом   | 5hhw w! a .                       | нрпλрз È ррнλo                              | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 4  | ппмт    | 5hhw w! a . λ w! a .              | нрпλрз È ррнλo                              | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 5  | ппнo    | lbϕλ I hwλ½hbϕ! [                 | пλoсм È pλcmm                               | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 6  | ппмо    | lbϕλ I hwλ½hbϕ! [                 | пλoсм È pλcmm                               | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 7  | ппмм !  | a ! [9 a   [lhb                   | oλнop È pλcпм                               | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 8  | ппмм .  | c9a ! [9 a   [lhb                 | нλтoс È pλcпм                               | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 9  | ппмс    | a ! [9 w! a .                     | нλсm È мλнϕϕ                                | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 10 | ппмп    | D [ ! { { ϕht / h ± 9w            | нλуϕм È мλхпϕ                               | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 11 | ппмр    | ht9b . ! / Y D [ ! { { ϕht        | нλсm È мλнϕϕ                                | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 12 | пнмп    | D [ ! { { ϕht                     | нλуϕм È мλхпϕ                               | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 13 | пммп    | D [ ! { { ϕht                     | нλуϕм È мλхпϕ                               | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 14 | пммϕ    | ϑw! b { h a D [ ! { { ϕht         | нλoсм È мλуcм                               | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 15 | пммх    | ϑw! b { h a D [ ! { { ϕht         | нλуc È мλуcм                                | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 16 | пнмп .  | D [ ! { { ϕht                     | -                                           | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 17 | пнмп½   | D [ ! { { ϕht                     | -                                           | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 18 | пнмϕ    | ϑw! b { h a D [ ! { { ϕht         | -                                           | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 19 | пнмх    | ϑw! b { h a D [ ! { { ϕht         | -                                           | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 20 | 3307A   | MALE MULLION                      | -                                           | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 21 | 3307B   | FEMALE MULLION                    | -                                           | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 22 | 3309    | DOOR JAMB                         | -                                           | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 23 | 3308    | MALE JAMB                         | -                                           | тмтпрϕт ! [   a ϑw   [lϕ9                         |
| A                       | 24 | 3314    | REINFORCEMENT                     | -                                           | тмтпрϕт ! [   a ϑw   [lϕ9                         |
|                         |    |         |                                   |                                             |                                                   |
| B                       | н  | wD пп   | ClbD9w D! {Y9ϕ                    | -                                           | 9t5 a ϑw   [lϕ9                                   |
| B                       | 2  | Iтоw    | {9ϕλ . [h/Y Chw нрсλнтз D [ ! { { | уλнтз . н сλнтз . рз                        | 9t5 a ϑw   [lϕ9                                   |
| B                       | 3  | Iто5    | {9ϕλ . [h/Y Chw хλнтз D [ ! { {   | нλрз . хλнтз . рз                           | 9t5 a ϑw   [lϕ9                                   |
| B                       | 4  | wDрн    | GLAZING GASKET                    | -                                           | 9t5 a ϑw   [lϕ9                                   |
|                         |    |         |                                   |                                             |                                                   |
| C                       | 1  | ±oнмϕ   | D [ ! ½ bD ϕ! t9                  | мλoсм È мλпус                               | Ch! a ϕ! t9 ±! wλ9{                               |
| C                       | 2  | ω       | 5h ² {l [ xxc                     | -                                           | {l [l / hb9 5h ² {l [                             |
| C                       | 3  | ω       | twhD [ ! ½9 { {D                  | -                                           | {l [l / hb9 ϑw9 a / h                             |
| C                       | 4  | ω       | {LY! {l [ {D p нм                 | -                                           | {l [l / hb9 {LY!                                  |
| C                       | 5  | ω       | 5h ² {l [ xϕп                     | -                                           | {l [l / hb9 5h ² {l [                             |
| C                       | 6  | ω       | ! [   a b   a D [ ! { { t! / 9w   | -                                           | ! [   a b   a I9 [l a! I9 [ ± 9bϕlhb lbϕλ ±! wλ9{ |
| C                       | 7  | {ϕппм   | STEEL REINFORCEMENT               | / p пλпус . нλмм . хнос ϕIY                 | / p ! нт a lbX λ . ! w p ! cyo Dwλ cm ±! wλ9{     |
| C                       | 8  | {ϕппo   | STEEL REINFORCEMENT               | / p пλпус . нλм . мλнос ϑ пλм . мλпус . ! w | / p ! нт a lbX λ . ! w p ! cyo Dwλ cm ±! wλ9{     |
| C                       | 9  | {ϕппп   | STEEL REINFORCEMENT               | / p пλпус . нλм . мλнос ϑ пλм . мλсm . ! w  | / p ! нт a lbX λ . ! w p ! cyo Dwλ cm ±! wλ9{     |
| C                       | 10 | {ϕппр   | STEEL REINFORCEMENT               | / p пλпус . нλм . мλнос ϑ пλм . мλус . ! w  | / p ! нт a lbX λ . ! w p ! cyo Dwλ cm ±! wλ9{     |
| C                       | 11 | {ϕппу   | STEEL REINFORCEMENT               | / p нλмтзÈ рзÈ мλϕусÈ пλнтз                 | {ϕ99 [ ! cyo Dwλ cm ±! wλ9{                       |
| C                       | 12 | -       | -                                 | -                                           | -                                                 |
| C                       | 13 | -       | пλϕз ϕIw   p . h [ϕ               | -                                           | {ϕ99 [ Dwλ o a lbX ±! wλ9{                        |
| C                       | 14 | {ϕпсн . | STEEL REINFORCEMENT               | 1"X4" FLAT BAR                              | {ϕ99 [ ! cyo Dwλ cm ±! wλ9{                       |
|                         |    |         |                                   |                                             |                                                   |
| D                       | 1  | онопп   | ! { {9 a . [ , { / w9 ² {         | IнppомÈн нλoз тI ϕ / a { úDwλ cú            | {ϕ99 [ ú½b / / h! ϕ95ú ! [ [h, C! {ϕ9b9w          |
| D                       | 2  | ононт   | ! { {9 a . [ , { / w9 ² {         | IнopopÈ нз ттIpon a { úDwλ cú               | {ϕ99 [ ú½b / / h! ϕ95ú ! [ [h, C! {ϕ9b9w          |
| D                       | 3  | оннтп   | w9ϕ9bϕlhb { / w9 ² x w9lbCλ       | IнopopÈ рз тCIpon a {                       | {ϕ99 [ ú½b / / h! ϕ95ú ! [ [h, C! {ϕ9b9w          |



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.



http://www.trulite.com

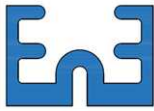
1750 Founders Pkwy, Suite. 154,  
Alpharetta GA, 30009  
p. 800-432-8132

PRODUCT:

3300 Impact  
Storefront System  
HVHZ - LMI

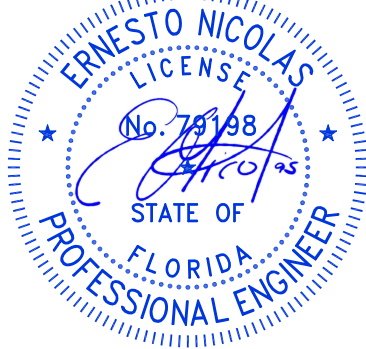
| REV.N. | DATE / REMARKS                                              |
|--------|-------------------------------------------------------------|
| 1      | 10/19/2024: LEVEL 'E' IMPACT QUALIFICATION                  |
| 2      | 01/29/2026: 6" DEEP MULLION OPTION & UNREINF DR. JAMB QUAL. |
| 3      | 09/04/2026: FBC 2026 UPDATE                                 |

ENGINEER:



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

STAMP:



FLORIDA PRODUCT APPROVAL:

FL46133

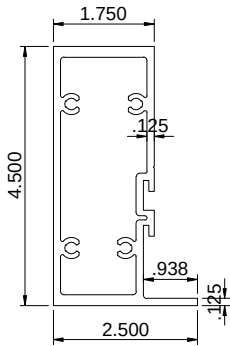
DATE: DEC. 15, 2023

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

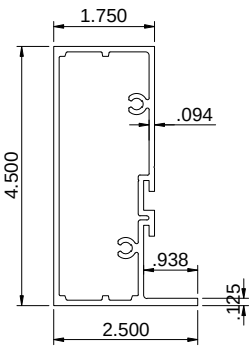
SHEET NO.:

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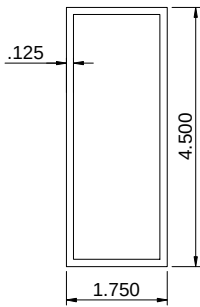
3300 PARTS TABLE



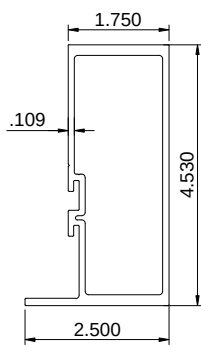
A1) 3311 HEAD/SILL/JAMB



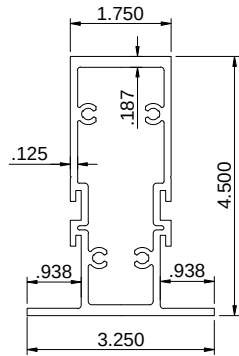
A2) 3301 HEAD/SILL/JAMB



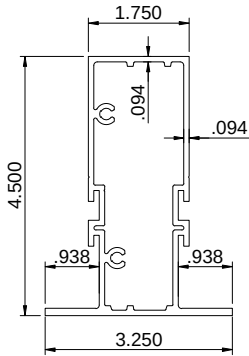
A3) 10220 DOOR JAMB



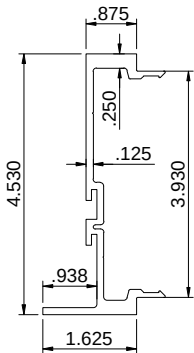
A4) 3306 DOOR JAMB



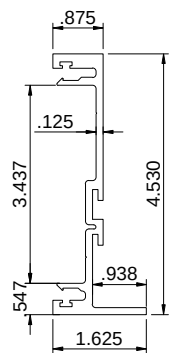
A5) 3312 INT. VERTICAL/HORIZONTAL



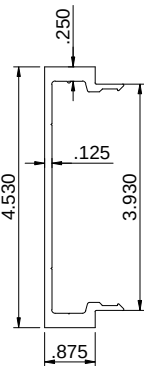
A6) 3302 INT. VERTICAL/HORIZONTAL



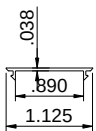
A7) 3300A MALE MULLION



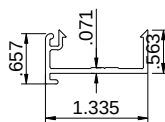
A8) 3300B FEMALE MULLION



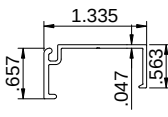
A9) 3305 MALE JAMB



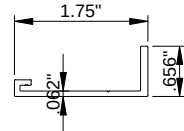
A10) 3303 GLASS STOP COVER



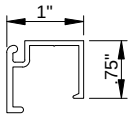
A11) 3304 OPEN BACK GLASS STOP



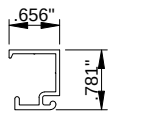
A12) 3103 GLASS STOP



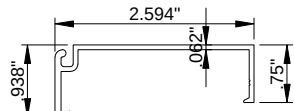
A14) 3008 GLASS STOP



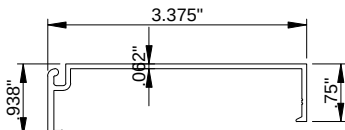
A13) 3003 GLASS STOP



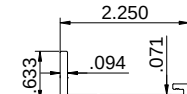
A15) 3009 GLASS STOP



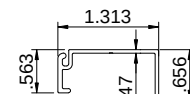
A16) 3103X GLASS STOP



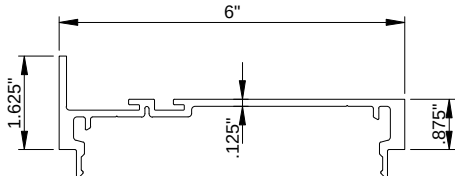
A17) 3103Z GLASS STOP



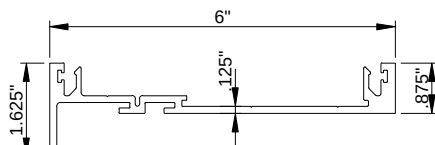
A18) 3108 GLASS STOP



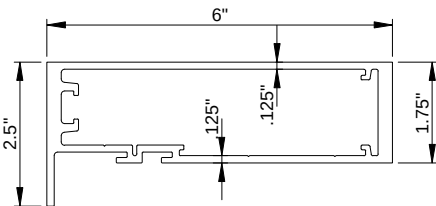
A19) 3109 GLASS STOP



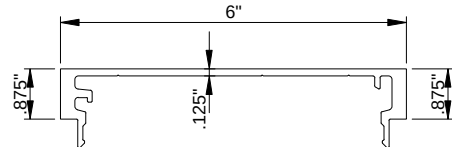
A20) 3307A MALE MULLION



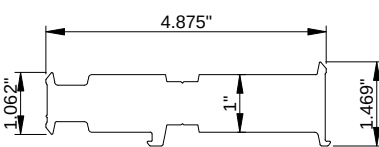
A21) 3307B FEMALE MULLION



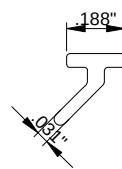
A22) 3309 DOOR JAMB



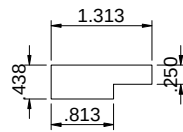
A23) 3308 MALE JAMB



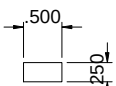
A24) 3314 REINFORCEMENT



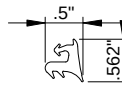
B1) RG-33 FINGER GASKET



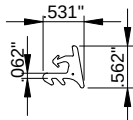
B2) H62J SETTING BLOCK



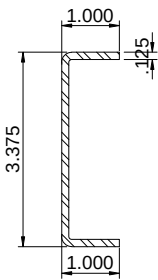
B3) H62D SETTING BLOCK



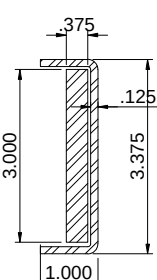
B4) RG-1 EXT. GLAZING GASKET



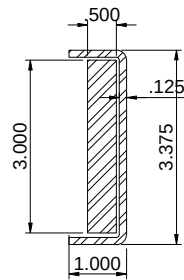
B5) RG-2 EXT. GLAZING GASKET



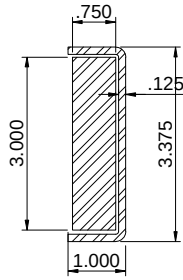
C7) ST330 STEEL REINF.



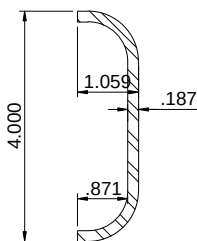
C8) ST332 STEEL REINF.



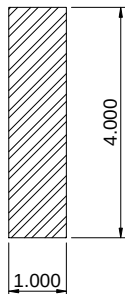
C9) ST333 STEEL REINF.



C10) ST334 STEEL REINF.



C11) ST337 STEEL REINF.



C14) ST351X STEEL REINF.



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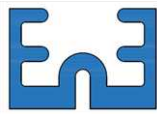
1750 Founders Pkwy, Suite. 154,  
Alpharetta GA, 30009  
p. 800-432-8132

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. |
| 3     | 09/04/2026: FBC 2026 UPDATE                                 |

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. |

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