

TRULITE GLASS & ALUMINUM SOLUTIONS

# SB751 IMPACT RESISTANT CURTAINWALL SYSTEM

WITH MULTIPLE INFILLS (LMI - HVHZ)

GENERAL NOTES:

1.

THIS PRODUCT HAS BEEN DESIGNED AND TESTED TO COMPLY WITH THE REQUIREMENTS OF THE FLORIDA BUILDING CODE 8TH EDITION (2023) INCLUDING HIGH VELOCITY HURRICANE ZONE (HVHZ) AND HAS BEEN TESTED ACCORDING TO THE FOLLOWING STANDARDS:

-

TAS 202-94 (ASTM E283, ASTM E330, ASTM E331 )

-

TAS 201-94 (ASTM 1996)

-

TAS 203-94 (ASTM E 1886)
- THE SERIES SB751 ALUMINUM STOREFRONT SYSTEM WAS TESTED TO COMPLY WITH MISSILE LEVEL "D" (50FT/SEC) IMPACT STANDARDS. THIS PRODUCT IS QUALIFIED FOR USE ON ESSENTIAL FACILITIES FOR THE FOLLOWING WIND ZONE LOCATIONS:

-

WIND ZONE 1: 130MPH-139MPH

-

WIND ZONE 2: 140MPH TO 149MPH (AT GREATER THAN ONE MILE OF THE COASTLINE)

-

WIND ZONE 3: 150MPH TO 170MPH (AT ELEVATION GREATER THAN 30FT (EXCLUDING HIGH-VELOCITY HURRICANE ZONES)
2.

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

CODE REQUIREMENTS FOR SAFEGUARDS MUST BE FOLLOWED.
4.

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

ANCHORS SHALL BE AS LISTED AND SPACED ACCORDING TO THE DETAILS PROVIDED. THE NUMBER OF INSTALLATION ANCHORS DEPICTED IS THE MINIMUM NUMBER OF ANCHORS REQUIRED. ANCHOR EMBEDMENT INTO BASE MATERIAL MUST EXTEND BEYOND THE WALL DRESSING OR STUCCO. FOR INSTALLATION THROUGH A METAL FRAME, ENSURE A MINIMUM PENETRATION OF 3 THREADS BEYOND THE FRAME SUBSTRATE.

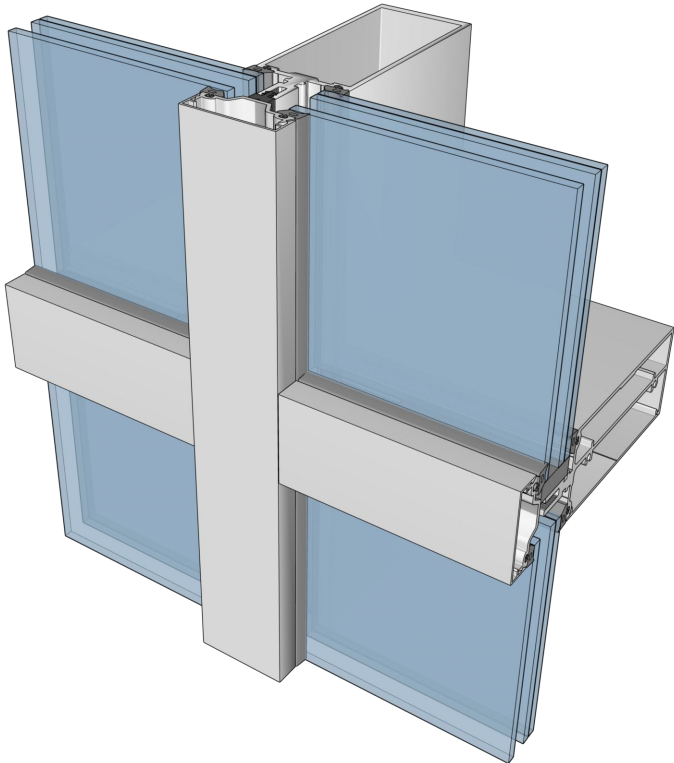
FOR GROUTED FILLED BLOCK (CMU), DO NOT INSTALL ANCHORS INTO MORTAR JOINTS. EDGE DISTANCE IS MEASURED FROM THE FREE EDGE OF THE BLOCK OR THE EDGE OF THE MORTAR JOINT IN THE FACE SHELL OF THE BLOCK.

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

INSTALLATION ANCHORS MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
7.

MATERIALS INCLUDING BUT NOT LIMITED TO STEEL AND METAL SCREWS, THAT COME IN CONTACT WITH OTHER DISSIMILAR MATERIALS SHALL MEET THE REQUIREMENTS OF THE 2023 FLORIDA BUILDING CODE & ADAPTED STANDARDS.
8.

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



9.

A LOAD DURATION INCREASE IS USED IN DESIGN OF ANCHORS INTO WOOD ONLY.
10.

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

THE GASKETS USED IN THIS FENESTRATION PRODUCT ARE IN COMPLIANCE WITH SECT. 2411.3.4 OF FBC 2023.

INSTRUCTIONS FOR USE:

1.

DETERMINE DESIGN WIND LOAD REQUIREMENTS BASED ON WIND VELOCITY, BUILDING HEIGHT AND WIND ZONE USING APPLICABLE ASCE 7 STANDARD.
2.

REFER TO THE TABLES ON SHEET 4 FOR DESIGN LOAD CAPACITY OF THE DESIRED GLASS SIZE.
3.

CHECK THE CAPACITY OF SINGLE SPAN OR TWIN SPAN MULLION & JAMB FOR A SPECIFIED SPACING AND SPAN HEIGHT USING THE TABLES ON SHTS. 9, 10 & 11. FOR THE SINGLE SPAN DOOR JAMBS, REFER TO SHT. 13. THE CAPACITY MUST BE EQUAL TO OR GREATER THAN THE DESIGN LOAD.
4.

REFER TO SHT. 15 FOR ANCHOR TYPES & CAPACITIES. THE ANCHOR CAPACITY MUST BE EQUAL TO OR GREATER THAN THE DESIGN LOAD SPECIFIED IN STEP 1 ABOVE.
5.

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

ABBREVIATIONS:

|                                  |                        |
|----------------------------------|------------------------|
| DLO or D.L.O. - DAYLIGHT OPENING | O.C.- ON CENTER        |
| H.S. or HS - HEAT STRENGTHENED   | REINF. - REINFORCEMENT |
| F.T. or FT - FULLY TEMPERED      | DIM. - DIMENSION       |
| TYP. - TYPICAL                   | SPL. - SPLICE          |
| FH - FRAME HEIGHT                | VERTS. - VERTICALS     |
| DFOW - DOOR WITH SUB-FRAME       | TBL. - TABLE           |
| OPENING WIDTH                    | DL - DEAD LOAD         |
| DFOH - DOOR WITH SUB-FRAME       | WL - WIND LOAD         |
| OPENING HEIGHT                   | MAX. - MAXIMUM         |
| DP - DESIGN PRESSURE             | SPAC. - SPACING        |
| NTS - NOT TO SCALE               | CANT. - CANTILEVER     |
| W - WIDTH                        | NWC - NORMAL WEIGHT    |
| H - HEIGHT                       | CONCRETE               |
| DP - DESIGN PRESSURE             |                        |
| SLW - SIDELITE WIDTH             |                        |

LIMITATIONS OF USE

- A.

THIS FLORIDA PRODUCT APPROVAL 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, A FLORIDA REGISTERED ENGINEER OR ARCHITECT MUST REVIEW THESE CHANGES. THIS INDIVIDUAL 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:

**SB751 Impact  
Curtainwall System**

**HVHZ - LMI**

**Resistor**  
PRODUCT SERIES

| REVN. | DATE/REMARKS                       |
|-------|------------------------------------|
| 1     | 07/19/25 TWIN-SPANS QUALIFICATIONS |
|       |                                    |
|       |                                    |
|       |                                    |

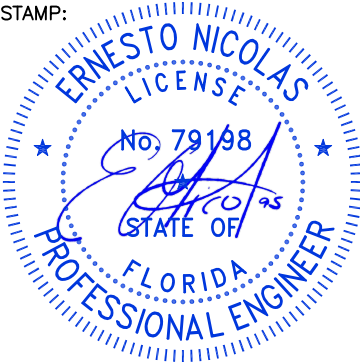
ENGINEER:



*En3 Engineering & Consultancy*

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:

**FL47297**

|                    |               |
|--------------------|---------------|
| DATE:              | JAN. 27, 2025 |
| DRAWN: Bobi        | CHK: ESN      |
| DRWG. No: 25FL-101 | SCALE: NTS    |

SHEET NO.:

**1 of 25**

1. TWIN-SPANS CONDITIONS ARE ANALYZED TO BE DEAD LOADED ONLY AT THE LOWEST LEVEL ANCHOR (F & T ANCHORS).
2. CONSULT TRULITE FOR THE AVAILABLE MAXIMUM LENGTHS OF VERTICALS TO VERIFY IF SPLICE IS NECESSARY.
3. SPLICE LOCATION 'y' IS FROM 12" (MIN.) TO 36" (MAX.) FROM INTERMEDIATE ANCHOR SHOWN BELOW. SPLICE LOCATIONS OTHER THAN THE SHOWN LOCATIONS MUST BE CHECKED ON A PROJECT BASIS BY THE ENGINEER OF RECORD.



PRODUCT:

SB751 Impact  
Curtainwall System  
HVHZ - LMI



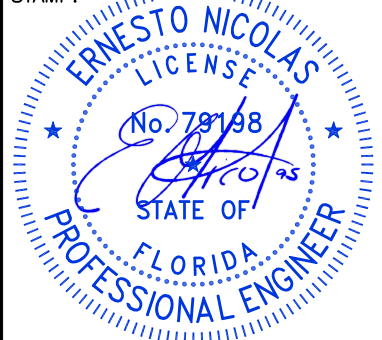
| REVN. | DATE/REMARKS                          |
|-------|---------------------------------------|
| 1     | 07/19/25 TWIN-SPANS<br>QUALIFICATIONS |
|       |                                       |
|       |                                       |
|       |                                       |

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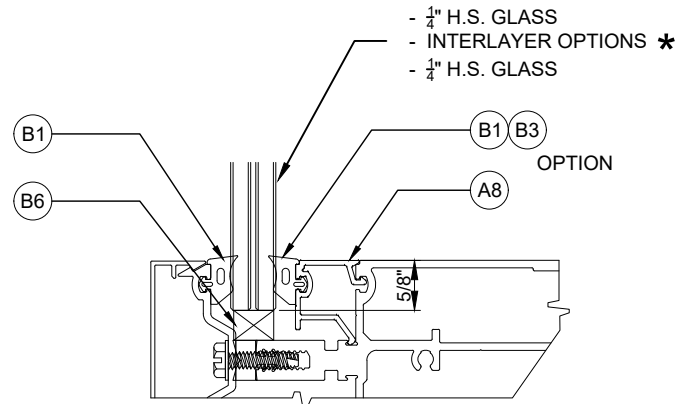
DATE: JAN. 27, 2025

|             |          |
|-------------|----------|
| DRAWN: Bobi | CHK: ESN |
|-------------|----------|

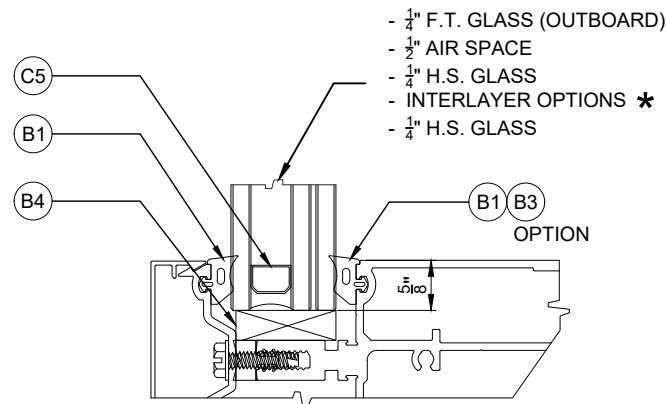
|                    |            |
|--------------------|------------|
| DRWG. No: 25FL-101 | SCALE: NTS |
|--------------------|------------|

SHEET NO.:

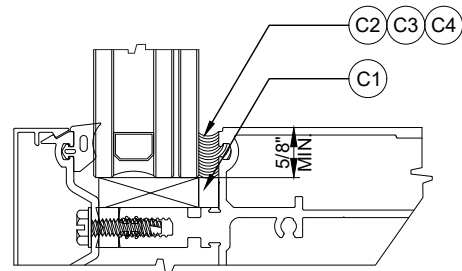
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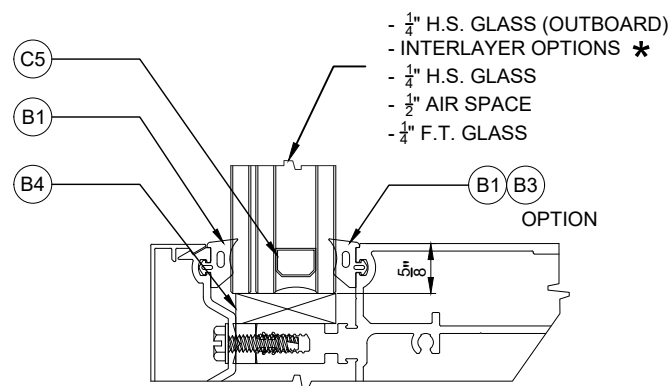
TYPE A\* (LAMINATED)



TYPE B\* (LAMINATED/INSULATED)

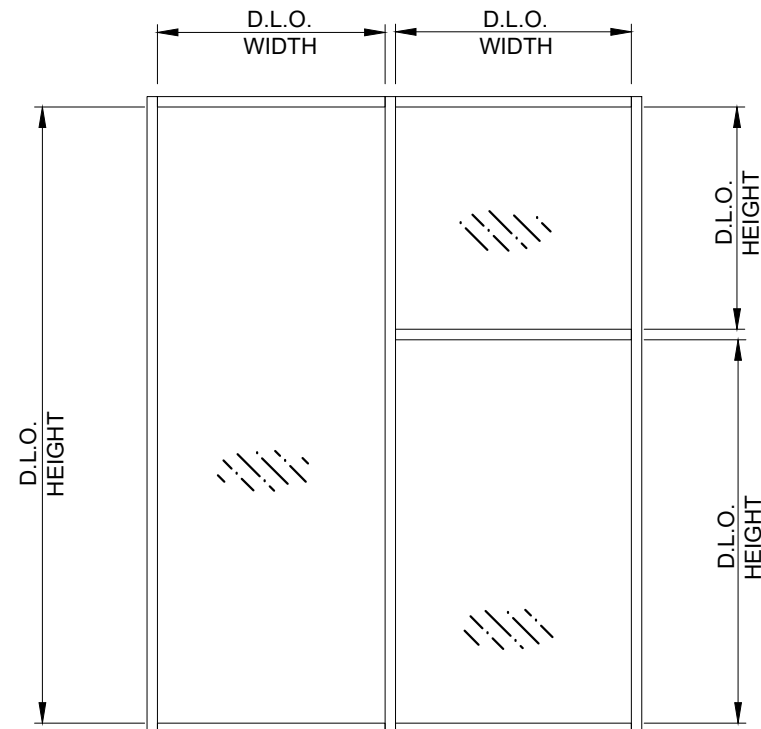


WET GLAZED OPTION  
(APPLICABLE TO TYPES A & B GLASS)



TYPE B\* (LAMINATED/INSULATED) - FLIPPED GLASS OPTION

## GLAZING OPTIONS



GLASS DLO

### \* INTERLAYER OPTIONS:

1. 0.090" SAFLEX PVB, CLEAR AND COLORED BY EASTMAN CHEMICAL CO.
2. 0.100 SAFLEX HP100 BY EASTMAN CHEMICAL CO.
3. 0.075" SAFLEX STORM INTERLAYER BY EASTMAN CHEMICAL CO.
4. 0.060" SENTRYGLAS BY KURARAY AMERICA INC. (Wind Zone 3)
5. 0.090" SENTRYGLAS BY KURARAY AMERICA INC.

### NOTE:

1. GLASS CAPACITIES WERE VERIFIED BASED ON ASTM E1300-16 (3 SEC. GUSTS).
2. PROVIDE 2 SETTING BLOCKS PER GLASS PANEL AS PER 2023 FBC SECT. 2411.3.3.1. STANDARD LOCATION OF SETTING BLOCK IS AT L/4; HOWEVER, THE ACTUAL PLACEMENT OF THE SETTING BLOCK MAY VARY DEPENDING ON THE WEIGHT/SIZE OF THE GLASS, AS VERIFIED BY CALCULATION.
3. OTHER GLASS SIZES ARE QUALIFIED AS LONG AS EQUAL OR LESS THAN TESTED AREA.
4. INSULATED GLASS SEALANT:  
PRIMARY SEALANT: PIB-POLYISOBUTYLENE  
SECONDARY SEALANT: SILICONE SEALANT

| DESIGNATION | GLASS THICKNESS                              | INTERLAYER TYPE     |
|-------------|----------------------------------------------|---------------------|
| TYPE A1     | $\frac{9}{16}$ " LAMINATED GLASS             | 0.090" SAFLEX PVB   |
| TYPE B1     | 1 $\frac{5}{16}$ " LAMINATED INSULATED GLASS |                     |
| TYPE A2     | $\frac{9}{16}$ " LAMINATED GLASS             | 0.100" SAFLEX HP    |
| TYPE B2     | 1 $\frac{5}{16}$ " LAMINATED INSULATED GLASS |                     |
| TYPE A3     | $\frac{9}{16}$ " LAMINATED GLASS             | 0.090" SAFLEX STORM |
| TYPE B3     | 1 $\frac{5}{16}$ " LAMINATED INSULATED GLASS |                     |
| TYPE B4     | 1 $\frac{5}{16}$ " LAMINATED INSULATED GLASS | 0.060" SENTRYGLAS®  |
| TYPE B5     | 1 $\frac{5}{16}$ " LAMINATED INSULATED GLASS | 0.090" SENTRYGLAS®  |



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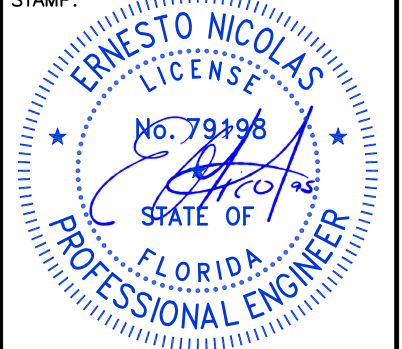
| REVN. | DATE/REMARKS                          |
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| 1     | 07/19/25 TWIN-SPANS<br>QUALIFICATIONS |
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FLORIDA PRODUCT APPROVAL:

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DATE: JAN. 27, 2025

DRAWN: Bobi CHK: ESN

DRWG. No: 25FL-101 SCALE: NTS

SHEET NO.:

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| GLASS LOAD CAPACITIES (psf) |     |                           |                           |                           |                           |                                 |                                 |                                                |                                 |
|-----------------------------|-----|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------------|---------------------------------|------------------------------------------------|---------------------------------|
| DLO (in)                    |     | EASTMAN SAFLEX INTERLAYER |                           |                           |                           |                                 |                                 | KURARAY SENTRYGLAS®                            |                                 |
|                             |     | SAFLEX 0.09" PVB          |                           | SAFLEX 0.100" HP          |                           | SAFLEX 0.075" STORM             |                                 | 0.06" SENTRYGLAS®<br>(WZ 3)                    | 0.09" SENTRYGLAS®               |
|                             |     | 9/16" LAMI.               | 1 5/16" INS./LAMI.        | 9/16" LAMI.               | 1 5/16" INS./LAMI.        | 9/16" LAMI.                     | 1 5/16" INS./LAMI.              | 1 5/16" INS./LAMI.                             | 1 5/16" INS./LAMI.              |
|                             |     | TYPE 'A1'<br>(WET GLAZED) | TYPE 'B1'<br>(WET GLAZED) | TYPE 'A2'<br>(WET GLAZED) | TYPE 'B2'<br>(WET GLAZED) | TYPE 'A3'<br>(WET & DRY GLAZED) | TYPE 'B3'<br>(WET & DRY GLAZED) | TYPE 'B4'<br>Wind Zone 3<br>(WET & DRY GLAZED) | TYPE 'B5'<br>(WET & DRY GLAZED) |
| W                           | H   | EXT.(+) / INT.(-)         | EXT.(+) / INT.(-)         | EXT.(+) / INT.(-)         | EXT.(+) / INT.(-)         | EXT.(+) / INT.(-)               | EXT.(+) / INT.(-)               | EXT.(+) / INT.(-)                              | EXT.(+) / INT.(-)               |
| 66.50                       | 66  | 65                        | 65                        | 75                        | 75                        | 55                              | 55                              | 65                                             | 105                             |
| 69.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 60.50                       | 72  | 65                        | 65                        | 75                        | 75                        | 55                              | 55                              | 65                                             | 105                             |
| 63.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 66.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 69.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 57.50                       | 78  | 65                        | 65                        | 75                        | 75                        | 55                              | 55                              | 65                                             | 105                             |
| 60.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 63.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 66.50                       |     | -                         | -                         | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 69.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 51.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | 55                              | 65                                             | 105                             |
| 54.50                       | 84  | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 57.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 60.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 63.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 66.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 69.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 48.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | 55                              | 65                                             | 105                             |
| 51.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 54.50                       | 90  | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 57.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 60.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 63.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 66.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | -                               |
| 69.50                       |     | -                         | -                         | -                         | -                         | -                               | -                               | -                                              | -                               |
| 45.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | 55                              | 65                                             | 105                             |
| 48.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 51.50                       | 96  | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 54.50                       |     | -                         | -                         | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 57.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 60.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 63.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | -                               |
| 66.50                       |     | -                         | -                         | -                         | -                         | -                               | -                               | -                                              | -                               |
| 42.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | 55                              | 65                                             | 105                             |
| 45.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 48.50                       | 102 | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 51.50                       |     | -                         | -                         | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 54.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 57.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 60.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | -                               |
| 63.50                       |     | -                         | -                         | -                         | -                         | -                               | -                               | -                                              | -                               |
| 39.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | 55                              | 65                                             | 105                             |
| 42.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 45.50                       | 108 | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
|                             |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |

| GLASS LOAD CAPACITIES (psf) |     |                           |                           |                           |                           |                                 |                                 |                                                |                                 |
|-----------------------------|-----|---------------------------|---------------------------|---------------------------|---------------------------|---------------------------------|---------------------------------|------------------------------------------------|---------------------------------|
| DLO (in)                    |     | EASTMAN SAFLEX INTERLAYER |                           |                           |                           |                                 |                                 | KURARAY SENTRYGLAS®                            |                                 |
|                             |     | SAFLEX 0.09" PVB          |                           | SAFLEX 0.100" HP          |                           | SAFLEX 0.075" STORM             |                                 | 0.06" SENTRYGLAS®<br>(WZ 3)                    | 0.09" SENTRYGLAS®               |
|                             |     | 9/16" LAMI.               | 1 5/16" INS./LAMI.        | 9/16" LAMI.               | 1 5/16" INS./LAMI.        | 9/16" LAMI.                     | 1 5/16" INS./LAMI.              | 1 5/16" INS./LAMI.                             | 1 5/16" INS./LAMI.              |
|                             |     | TYPE 'A1'<br>(WET GLAZED) | TYPE 'B1'<br>(WET GLAZED) | TYPE 'A2'<br>(WET GLAZED) | TYPE 'B2'<br>(WET GLAZED) | TYPE 'A3'<br>(WET & DRY GLAZED) | TYPE 'B3'<br>(WET & DRY GLAZED) | TYPE 'B4'<br>Wind Zone 3<br>(WET & DRY GLAZED) | TYPE 'B5'<br>(WET & DRY GLAZED) |
| W                           | H   | EXT.(+) / INT.(-)         | EXT.(+) / INT.(-)         | EXT.(+) / INT.(-)         | EXT.(+) / INT.(-)         | EXT.(+) / INT.(-)               | EXT.(+) / INT.(-)               | EXT.(+) / INT.(-)                              | EXT.(+) / INT.(-)               |
| 48.50                       | 108 | -                         | -                         | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 51.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 54.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | -                               |
| 57.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | -                               |
| 60.50                       |     | -                         | -                         | -                         | -                         | -                               | -                               | -                                              | -                               |
| 39.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | 55                              | 65                                             | 105                             |
| 42.50                       | 114 | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 45.50                       |     | -                         | -                         | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 48.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 51.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | -                               |
| 54.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | -                               |
| 57.50                       |     | -                         | -                         | -                         | -                         | -                               | -                               | -                                              | -                               |
| 36.50                       | 120 | 65                        | 65                        | 75                        | 75                        | 55                              | 55                              | 65                                             | 105                             |
| 39.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 42.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 45.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 48.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 51.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | -                               |
| 54.50                       |     | -                         | -                         | -                         | -                         | -                               | -                               | -                                              | -                               |
| 33.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | 55                              | 65                                             | 105                             |
| 36.50                       | 126 | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 39.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 42.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 45.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 48.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | -                               |
| 51.50                       |     | -                         | -                         | -                         | -                         | -                               | -                               | -                                              | -                               |
| 33.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | 55                              | 65                                             | 105                             |
| 36.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 39.50                       | 132 | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 42.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 45.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 48.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | -                               |
| 51.50                       |     | -                         | -                         | -                         | -                         | -                               | -                               | -                                              | -                               |
| 33.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | 55                              | 65                                             | 105                             |
| 36.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 39.50                       |     | -                         | -                         | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 42.50                       | 138 | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 45.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | -                               |
| 48.50                       |     | -                         | -                         | -                         | -                         | -                               | -                               | -                                              | -                               |
| 30.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | 55                              | 65                                             | 105                             |
| 33.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 36.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 39.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 42.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 45.50                       | 144 | -                         | -                         | -                         | -                         | -                               | -                               | -                                              | -                               |
| 30.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | 55                              | 65                                             | 105                             |
| 33.50                       |     | 65                        | 65                        | 75                        | 75                        | 55                              | -                               | 65                                             | 105                             |
| 36.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 39.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | 105                             |
| 42.50                       |     | -                         | -                         | 75                        | 75                        | -                               | -                               | -                                              | -                               |
| 45.50                       |     | -                         | -                         | -                         | -                         | -                               | -                               | -                                              | -                               |
|                             |     | -                         | -                         | -                         | -                         | -                               | -                               | -                                              | -                               |

Table 1 | GLASS CAPACITY TABLE



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p. 800-432-8132

PRODUCT:

**SB751 Impact  
Curtainwall System  
HVHZ - LMI**



PRODUCT SERIES

| REVN. | DATE/REMARKS                          |
|-------|---------------------------------------|
| 1     | 07/19/25 TWIN-SPANS<br>QUALIFICATIONS |
|       |                                       |
|       |                                       |
|       |                                       |

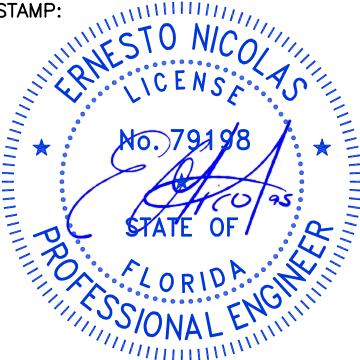
ENGINEER:



*En3 Engineering & Consultancy*

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

STAMP:



FLORIDA PRODUCT APPROVAL:

**FL47297**

|                    |               |
|--------------------|---------------|
| DATE:              | JAN. 27, 2025 |
| DRAWN: Bobi        | CHK: ESN      |
| DRWG. No: 25FL-101 | SCALE: NTS    |

SHEET NO.:

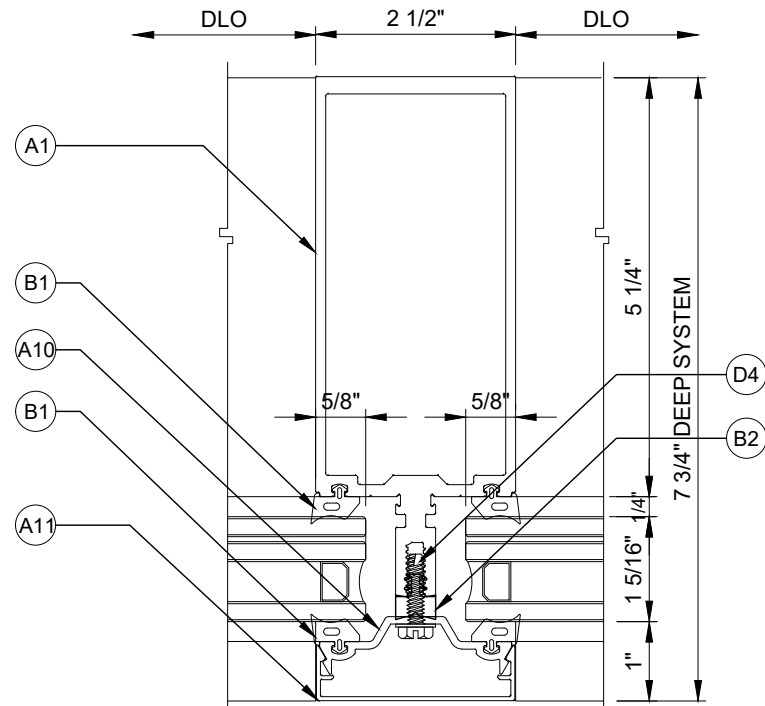
**4 of 25**





NOTE:

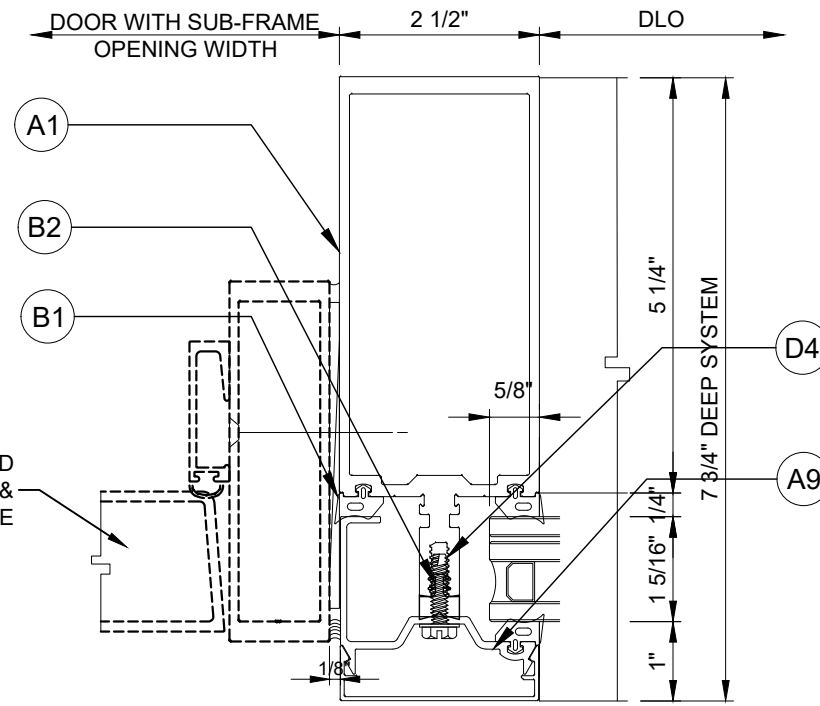
- THE 7 3/4" DEEP SYSTEM (SB751 SERIES) CANNOT BE MIXED WITH THE 7 1/2" SYSTEM (8200 SERIES).
- DEEP MULLION (SB750-29) CAN BE INSTALLED IN CONJUNCTION WITH THE 7 3/4" DEEP SYSTEM (SB751 SERIES), HOWEVER, THIS WILL BE A SITE-SPECIFIC CONDITION AND WILL REQUIRE SEPARATE ENGINEERING NOT COVERED BY THIS PRODUCT APPROVAL.



M1 MULLION

| MULLION 'M1' |                       |
|--------------|-----------------------|
| PROFILE      | Ix (in <sup>4</sup> ) |
| SB750-1      | 12.797                |

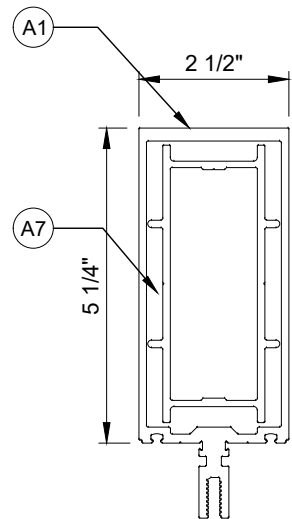
FL APPROVED  
IMPACT DOOR &  
SUB-FRAME



M1 MULLION WITH  
SUB-FRAME INTERFACE

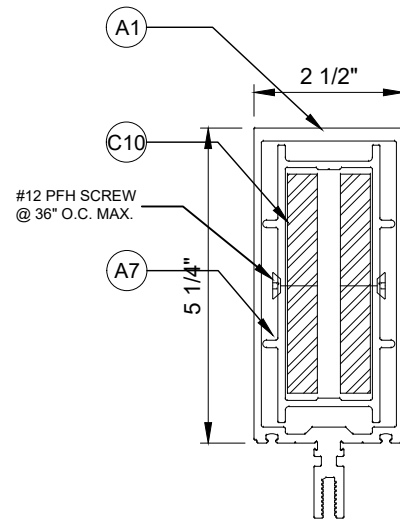
MULLION DETAIL

7 3/4" DEEP SYSTEM (SB751 SERIES)



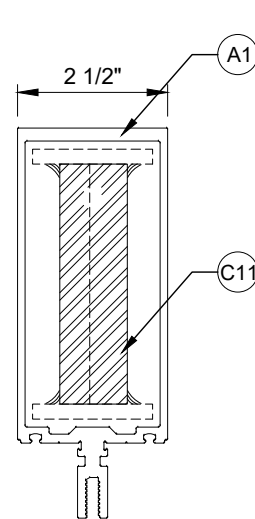
(M2) SB750-1 WITH  
SB750-22 REINF.

| MULLION 'M2'  |                       |
|---------------|-----------------------|
| PROFILE       | Ix (in <sup>4</sup> ) |
| SB750-1 (A1)  | 12.797                |
| SB750-22 (A7) | 3.505                 |
| TOTAL         | 16.302                |

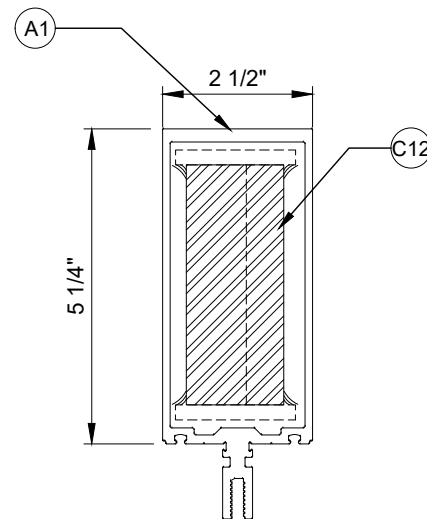


(M3) SB750-1 WITH  
ST751-1 REINF.

| MULLION 'M3'                                   |                       |
|------------------------------------------------|-----------------------|
| PROFILE                                        | Ix (in <sup>4</sup> ) |
| SB750-1 (A1)                                   | 12.797                |
| SB750-22 (A7)                                  | 3.505                 |
| 2pcs 1/2" x 3 5/8" STL. REINF. (In Alum) (C10) | 11.751                |
| TOTAL                                          | 28.053                |

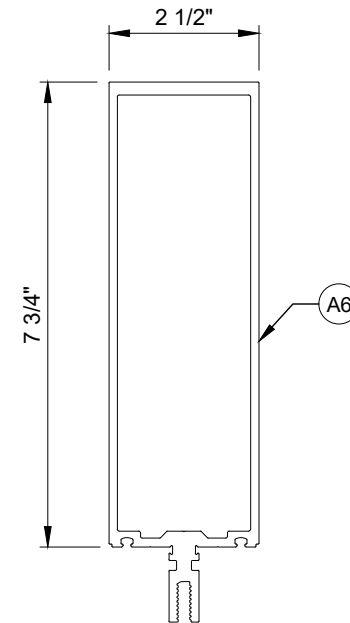


| MULLION 'M3' OPTION                     |                       |
|-----------------------------------------|-----------------------|
| PROFILE                                 | Ix (in <sup>4</sup> ) |
| SB750-1 (A1)                            | 12.797                |
| 1 1/8" x 4" STL. REINF. (In Alum) (C11) | 17.400                |
| TOTAL                                   | 30.197                |



(M4) SB750-1 WITH  
ST751-2 REINF.

| MULLION 'M4' OPTION                     |                       |
|-----------------------------------------|-----------------------|
| PROFILE                                 | Ix (in <sup>4</sup> ) |
| SB750-1 (A1)                            | 12.797                |
| 1 1/8" x 4" STL. REINF. (In Alum) (C12) | 25.133                |
| TOTAL                                   | 37.930                |



(M5) SB750-29

| MULLION 'M5'  |                       |
|---------------|-----------------------|
| PROFILE       | Ix (in <sup>4</sup> ) |
| SB750-29 (A6) | 31.646                |

MULLION OPTIONS (SB751 SERIES)



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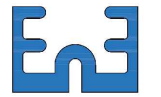
PRODUCT:

SB751 Impact  
Curtainwall System  
HVHZ - LMI



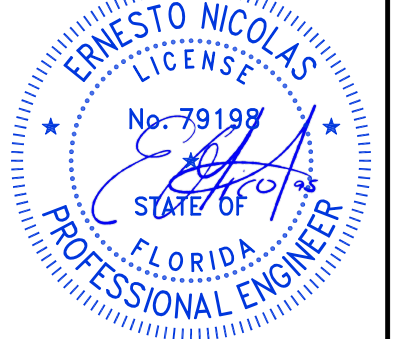
| REVN. | DATE/REMARKS                          |
|-------|---------------------------------------|
| 1     | 07/19/25 TWIN-SPANS<br>QUALIFICATIONS |
|       |                                       |
|       |                                       |
|       |                                       |

ENGINEER:



En3 Engineering & Consultancy  
950 SW 135th Way Sunrise,  
FL 33325 P. 786 474 3876  
Email: en3.engconsul@gmail.com

STAMP:



FLORIDA PRODUCT APPROVAL:

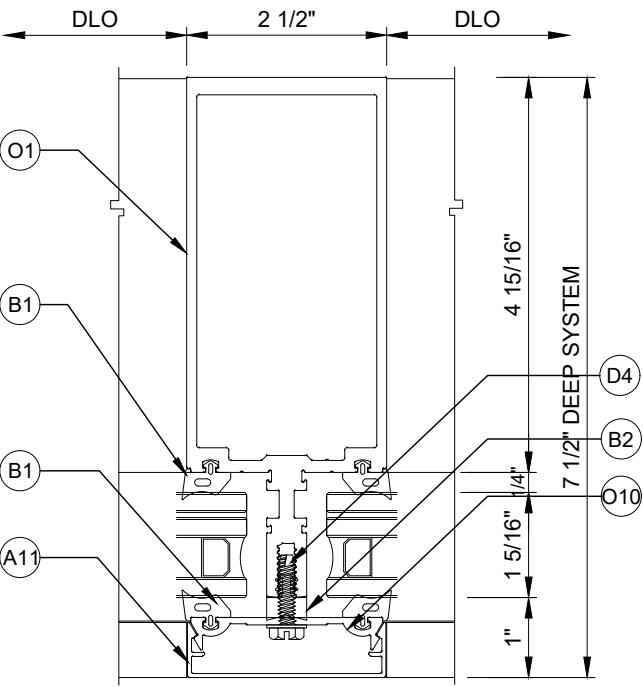
FL47297

DATE: JAN. 27, 2025

|                    |            |
|--------------------|------------|
| DRAWN: Bobi        | CHK: ESN   |
| DRWG. No: 25FL-101 | SCALE: NTS |

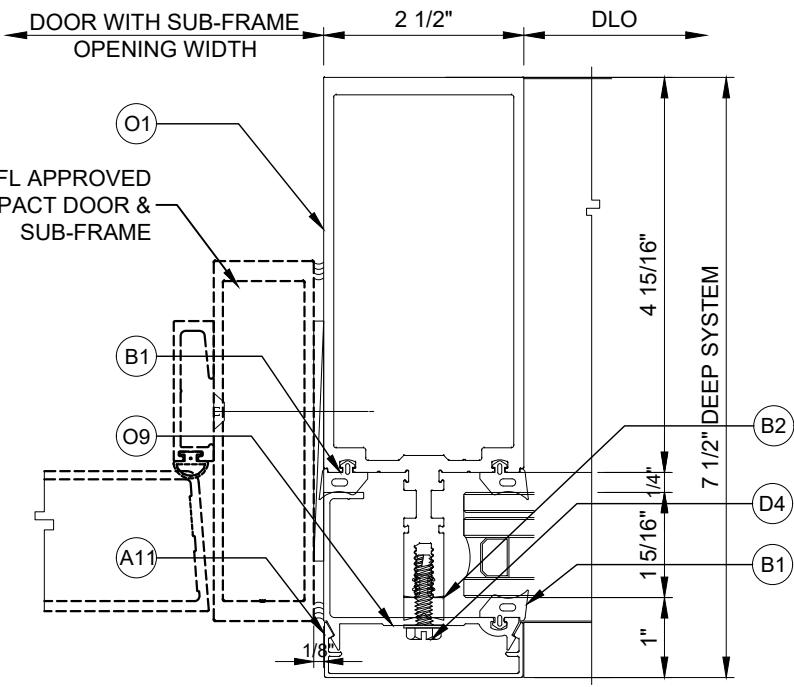
SHEET NO.:

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M1a MULLION

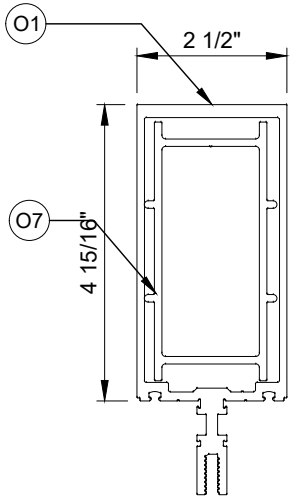
| MULLION 'M1a' |      |                       |
|---------------|------|-----------------------|
| PROFILE       |      | Ix (in <sup>4</sup> ) |
| 82501         | (O1) | 12.199                |



M1a MULLION WITH  
SUBFRAME INTERFACE

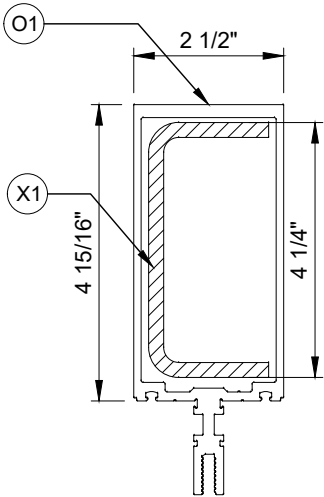
8200 (7 1/2\" DEEP) SYSTEM  
CURTAINWALL OPTION

A MULLION DETAIL  
7 1/2\" DEEP SYSTEM (8200 SERIES)



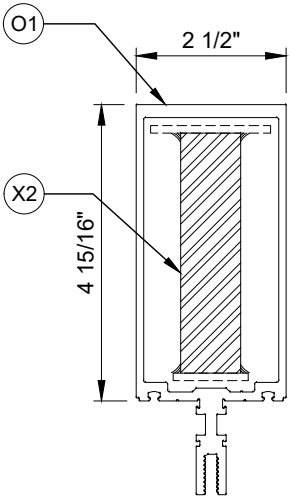
(M2a) 82501 WITH 82535 REINF.

| MULLION 'M2a' |      |                       |
|---------------|------|-----------------------|
| PROFILE       |      | Ix (in <sup>4</sup> ) |
| 82501         | (O1) | 12.199                |
| 82535         | (O7) | 3.073                 |
| TOTAL         |      | 15.272                |

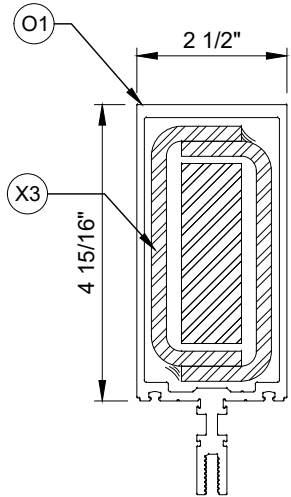


(M3a) 82501 WITH ST824 REINF.

| MULLION 'M3a'         |      |                       |
|-----------------------|------|-----------------------|
| PROFILE               |      | Ix (in <sup>4</sup> ) |
| 82501                 | (O1) | 12.199                |
| ST824                 | (X1) | 13.795                |
| STL. REINF. (In Alum) |      |                       |
| TOTAL                 |      | 25.994                |

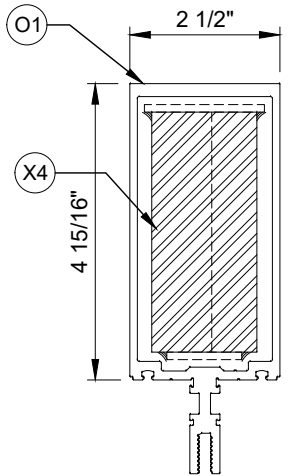


| MULLION 'M3a' Option  |      |                       |
|-----------------------|------|-----------------------|
| PROFILE               |      | Ix (in <sup>4</sup> ) |
| 82501                 | (O1) | 12.199                |
| ST824a                | (X2) | 15.467                |
| STL. REINF. (In Alum) |      |                       |
| TOTAL                 |      | 27.666                |



(M4a) 82501 WITH ST821 REINF.

| MULLION 'M4a'         |      |                       |
|-----------------------|------|-----------------------|
| PROFILE               |      | Ix (in <sup>4</sup> ) |
| 82501                 | (O1) | 12.199                |
| ST821                 | (X3) | 25.244                |
| STL. REINF. (In Alum) |      |                       |
| TOTAL                 |      | 37.443                |



| MULLION 'M4a' Option |      |                       |
|----------------------|------|-----------------------|
| PROFILE              |      | Ix (in <sup>4</sup> ) |
| 82501                | (O1) | 12.199                |
| ST821a (In Alum.)    | (X4) | 27.067                |
| TOTAL                |      | 39.266                |

MULLION OPTIONS (8200 SERIES)



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PRODUCT:

SB751 Impact  
Curtainwall System  
HVHZ - LMI



PRODUCT SERIES

| REVN. | DATE/REMARKS                          |
|-------|---------------------------------------|
| 1     | 07/19/25 TWIN-SPANS<br>QUALIFICATIONS |
|       |                                       |
|       |                                       |
|       |                                       |

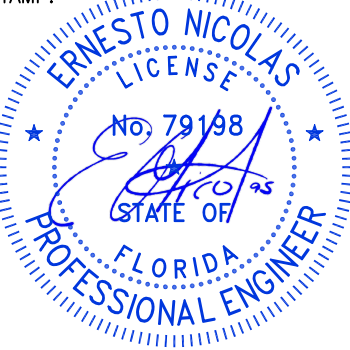
ENGINEER:



En3 Engineering & Consultancy

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

STAMP:



FLORIDA PRODUCT APPROVAL:

FL47297

DATE: JAN. 27, 2025

DRAWN: Bobi

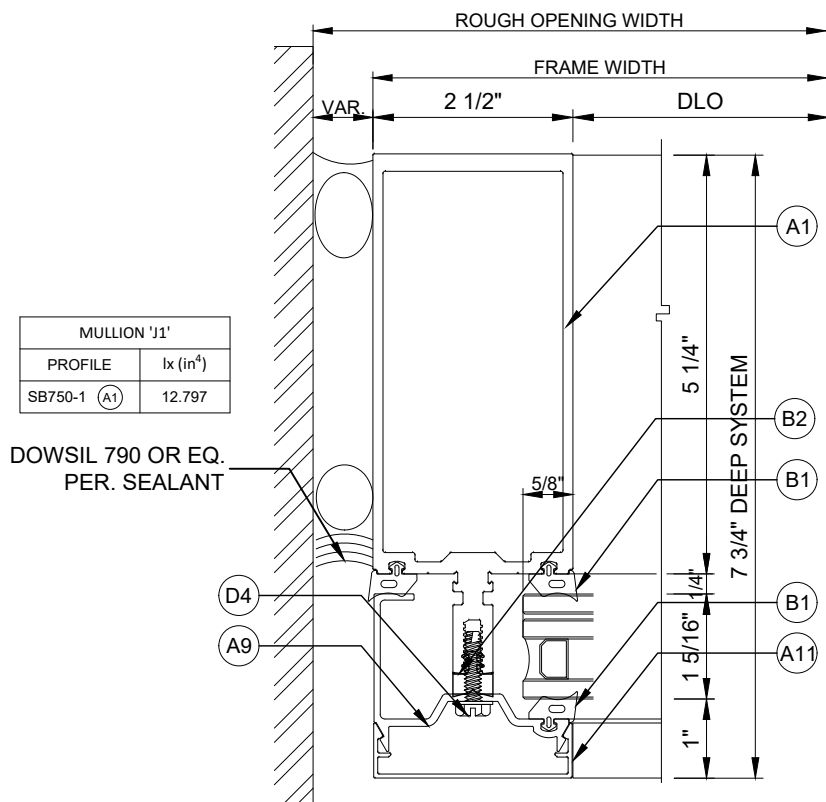
CHK: ESN

DRWG. No: 25FL-101

SCALE: NTS

SHEET NO.:

7 of 25

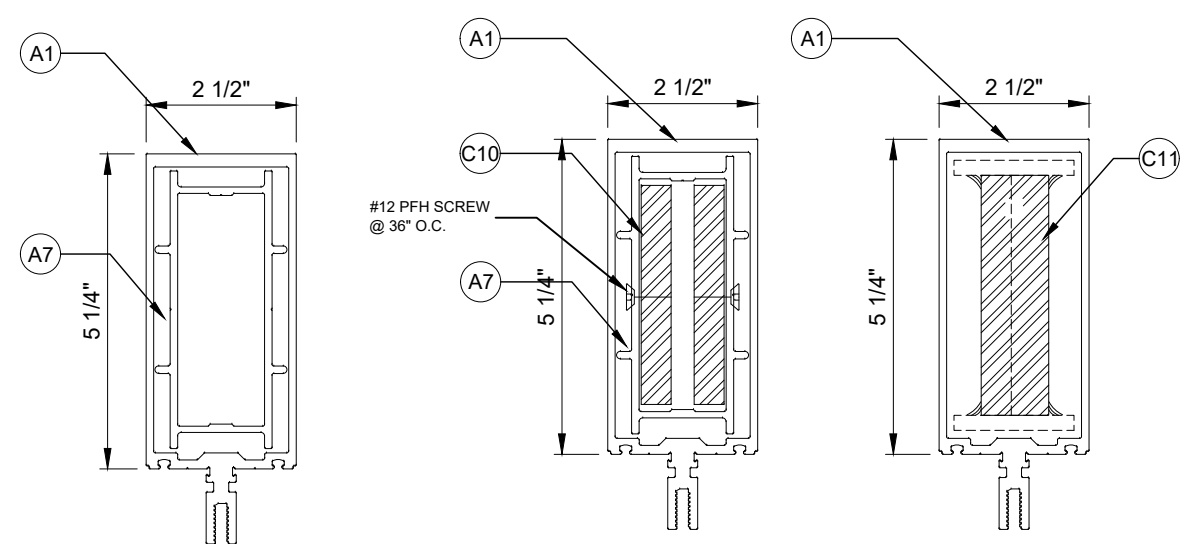


7 3/4" DEEP SYSTEM (SB751 SERIES)

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

| RECOMMENDED FRAME GAP ON UN-ANCHORED JAMB USING DOWSIL 790 SEALANT |      |      |      |      |      |
|--------------------------------------------------------------------|------|------|------|------|------|
| Jamb Height (ft.)                                                  | ≤6.5 | ≤8   | ≤10  | ≤12  | ≤14  |
| Min. gap (in)                                                      | 0.25 | 0.35 | 0.40 | 0.50 | 0.55 |

## A JAMB DETAIL



(J2) SB750-1 WITH SB750-22 REINF.

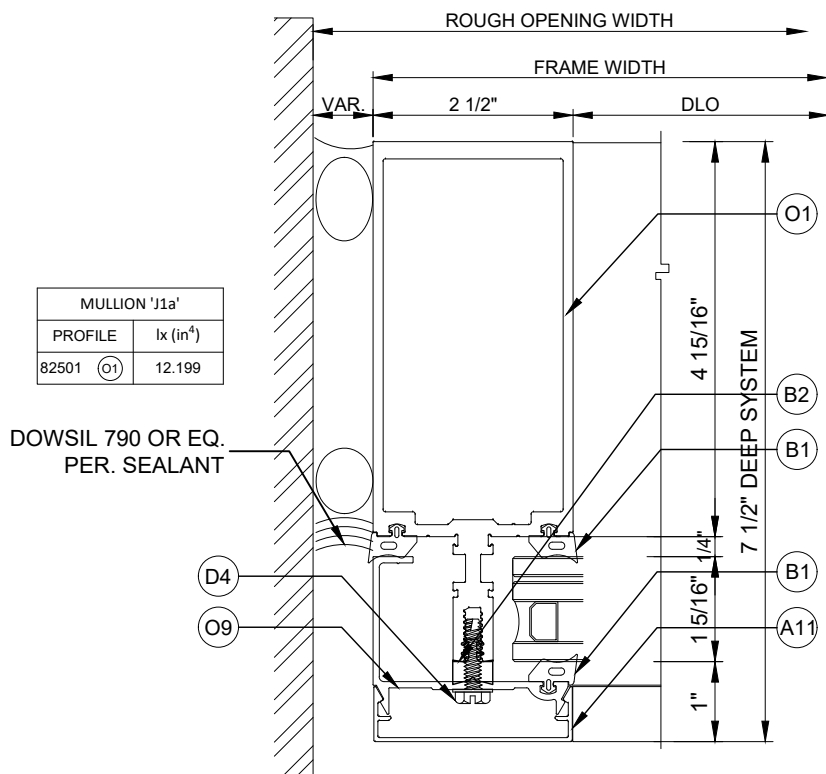
(J3) SB750-1 WITH ST751-1 REINF.

| MULLION 'J2'  |                       |
|---------------|-----------------------|
| PROFILE       | lx (in <sup>4</sup> ) |
| SB750-1 (A1)  | 12.797                |
| SB750-22 (A7) | 3.505                 |
| TOTAL         | 16.302                |

| MULLION 'J3'                                  |                       |
|-----------------------------------------------|-----------------------|
| PROFILE                                       | lx (in <sup>4</sup> ) |
| SB750-1 (A1)                                  | 12.797                |
| SB750-22 (A7)                                 | 3.505                 |
| 2pcs 1/2" x 3 5/8" (C1) STL. REINF. (In Alum) | 11.751                |
| TOTAL                                         | 28.053                |

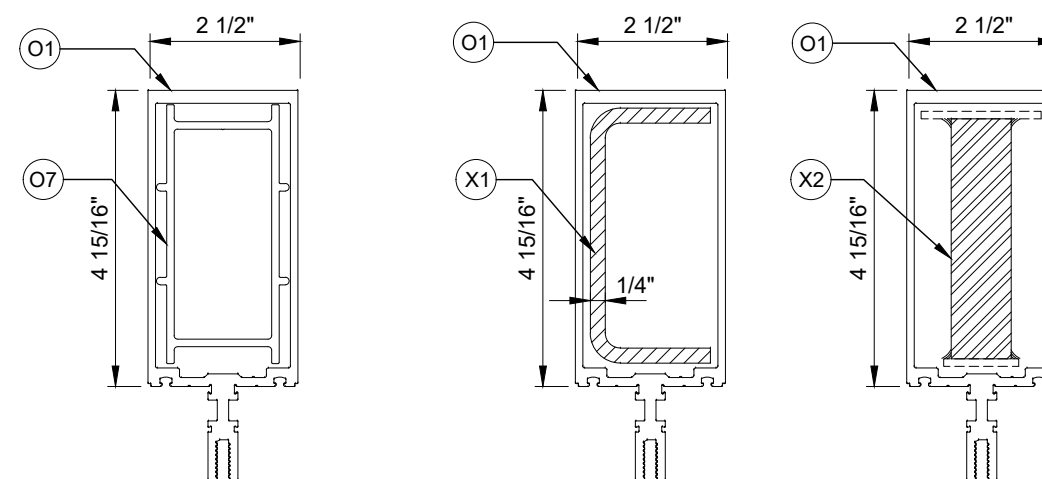
| MULLION 'J3' OPTION                    |                       |
|----------------------------------------|-----------------------|
| PROFILE                                | lx (in <sup>4</sup> ) |
| SB750-1 (A1)                           | 12.797                |
| 1 3/8" x 4" (C1) STL. REINF. (In Alum) | 17.400                |
| TOTAL                                  | 30.197                |

## JAMB OPTIONS (SB751 SERIES)



7 1/2" DEEP SYSTEM (8200 SERIES)

8200 (7 1/2" DEEP) SYSTEM  
CURTAINWALL OPTION



(J2a) 82501 WITH 82535 REINF.

(J3a) 82501 WITH ST824 REINF.

| MULLION 'J2a' |                       |
|---------------|-----------------------|
| PROFILE       | lx (in <sup>4</sup> ) |
| 82501 (O1)    | 12.199                |
| 82535 (O7)    | 3.073                 |
| TOTAL         | 15.272                |

| MULLION 'J3a'                    |                       |
|----------------------------------|-----------------------|
| PROFILE                          | lx (in <sup>4</sup> ) |
| SB750-1 (O1)                     | 12.199                |
| ST824 STL. REINF. (In Alum) (X1) | 13.795                |
| TOTAL                            | 25.994                |

| MULLION 'J3a' Option              |                       |
|-----------------------------------|-----------------------|
| PROFILE                           | lx (in <sup>4</sup> ) |
| SB750-1 (O1)                      | 12.199                |
| ST824a STL. REINF. (In Alum) (X2) | 15.467                |
| TOTAL                             | 27.666                |

## JAMB OPTIONS (8200 SERIES)

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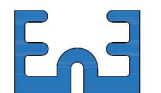
PRODUCT:

**SB751 Impact  
Curtainwall System  
HVHZ - LMI**

**Resistor**  
PRODUCT SERIES

| REVN. | DATE/REMARKS                       |
|-------|------------------------------------|
| 1     | 07/19/25 TWIN-SPANS QUALIFICATIONS |
|       |                                    |
|       |                                    |
|       |                                    |

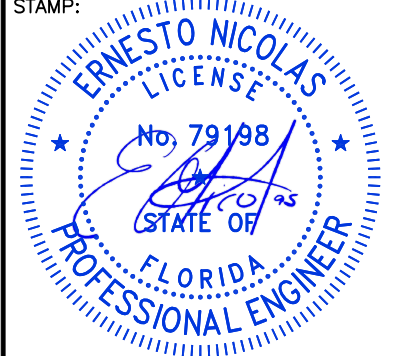
ENGINEER:



En3 Engineering & Consultancy

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

STAMP:



FLORIDA PRODUCT APPROVAL:

**FL47297**

DATE: JAN. 27, 2025

DRAWN: Bobi CHK: ESN

DRWG. No: 25FL-101 SCALE: NTS

SHEET NO.:

**8 of 25**



| MULLION LOAD CAPACITIES (psf) |     |                   |                            |                                                        |                                     |                                                        |                  |          |                                                        |                            |         |          |
|-------------------------------|-----|-------------------|----------------------------|--------------------------------------------------------|-------------------------------------|--------------------------------------------------------|------------------|----------|--------------------------------------------------------|----------------------------|---------|----------|
| DIM. (in)                     |     | M1 / M1a          | M2 / M2a                   | * M2 / M2a<br>Twin Span - With<br>Continuous Verticals | M3 / M3a                            | * M3 / M3a<br>Twin Span - With<br>Continuous Verticals | M4 / M4a         |          | * M4 / M4a<br>Twin Span - With<br>Continuous Verticals | M5                         |         |          |
|                               |     | UNREINFORCED      | ALUM. REINF.<br>(SB750-22) | ALUM. REINF.<br>(SB750-22)                             | ALUM. REINF. +<br>STEEL (C10) / C11 | ALUM. REINF. +<br>STEEL (C10) / C11                    | STEEL (C12 / X3) |          | STEEL (C12 / X3)                                       | DEEP MULLION<br>(SB750-29) |         |          |
| W                             | H   | Ext (+) / Int (-) | Ext (+) / Int (-)          | Ext (+) / Int (-)                                      | Ext (+) / Int (-)                   | Ext (+) / Int (-)                                      | Ext (+)          | Int. (-) | Ext (+)                                                | Int. (-)                   | Ext (+) | Int. (-) |
| 60                            | 96  | 105.0             | 105.0                      | 105.0                                                  | 105.0                               | 105.0                                                  | 105.0            | 105.0    | 105.0                                                  | 105.0                      | 105.0   | 105.0    |
| 66                            |     | 98.5              | 101.5                      | 101.5                                                  | 101.5                               | 101.5                                                  | 101.5            | 101.5    | 101.5                                                  | 101.5                      | 101.5   | 101.5    |
| 72                            |     | 65.0              | 75.0                       | 71.0                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0                      | 85.0    | 100.0    |
| 54                            | 102 | 105.0             | 105.0                      | 105.0                                                  | 105.0                               | 105.0                                                  | 105.0            | 105.0    | 105.0                                                  | 105.0                      | 105.0   | 105.0    |
| 60                            |     | 95.9              | 98.9                       | 98.9                                                   | 98.9                                | 98.9                                                   | 98.9             | 100.0    | 98.9                                                   | 100.0                      | 98.9    | 100.0    |
| 66                            |     | 65.0              | 73.7                       | 68.5                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0                      | 85.0    | 100.0    |
| 72                            |     | 65.0              | 67.6                       | 62.9                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0                      | 85.0    | 100.0    |
| 48                            | 108 | 105.0             | 105.0                      | 105.0                                                  | 105.0                               | 105.0                                                  | 105.0            | 105.0    | 105.0                                                  | 105.0                      | 105.0   | 105.0    |
| 54                            |     | 95.2              | 98.1                       | 98.1                                                   | 98.1                                | 98.1                                                   | 98.1             | 100.0    | 98.1                                                   | 100.0                      | 98.1    | 100.0    |
| 60                            |     | 65.0              | 72.3                       | 67.2                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0                      | 85.0    | 100.0    |
| 66                            |     | 65.0              | 65.8                       | 61.2                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0                      | 85.0    | 100.0    |
| 72                            |     | -                 | 60.3                       | 56.1                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 99.7                       | 85.0    | 100.0    |
| 42                            | 114 | 105.0             | 105.0                      | 105.0                                                  | 105.0                               | 105.0                                                  | 105.0            | 105.0    | 105.0                                                  | 105.0                      | 105.0   | 105.0    |
| 48                            |     | 96.0              | 99.0                       | 99.0                                                   | 99.0                                | 99.0                                                   | 99.0             | 100.0    | 99.0                                                   | 100.0                      | 99.0    | 100.0    |
| 54                            |     | 85.4              | 88.0                       | 88.0                                                   | 88.0                                | 88.0                                                   | 88.0             | 100.0    | 88.0                                                   | 100.0                      | 88.0    | 100.0    |
| 60                            |     | 65.0              | 65.0                       | 65.0                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0                      | 85.0    | 100.0    |
| 66                            |     | 65.0              | 65.0                       | 65.0                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 97.7                       | 85.0    | 100.0    |
| 72                            |     |                   | 54.1                       | 50.3                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 89.5                       | 85.0    | 100.0    |
| 36                            | 120 | 105.0             | 105.0                      | 105.0                                                  | 105.0                               | 105.0                                                  | 105.0            | 105.0    | 105.0                                                  | 105.0                      | 105.0   | 105.0    |
| 42                            |     | 99.0              | 102.1                      | 102.1                                                  | 102.1                               | 102.1                                                  | 102.1            | 102.1    | 102.1                                                  | 102.1                      | 102.1   | 102.1    |
| 48                            |     | 86.7              | 89.4                       | 89.4                                                   | 89.4                                | 89.4                                                   | 89.4             | 100.0    | 89.4                                                   | 100.0                      | 89.4    | 100.0    |
| 54                            |     | 65.0              | 65.0                       | 65.0                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0                      | 85.0    | 100.0    |
| 60                            |     | 65.0              | 65.0                       | 65.0                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 96.9                       | 85.0    | 100.0    |
| 66                            |     | -                 | 53.3                       | 49.6                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 88.1                       | 85.0    | 100.0    |
| 72                            |     | -                 | 48.8                       | 45.4                                                   | 85.0                                | 78.1                                                   | 85.0             | 100.0    | 80.8                                                   | 80.8                       | 85.0    | 100.0    |

NOTE:

★ USE THESE LOAD CAPACITY VALUES FOR TWIN SPANS WITH CONTINUOUS VERTICALS (WITHOUT SPLICE).

Table 2 | MULLION CAPACITY TABLE  
(SINGLE SPAN & TWIN-SPANS)

| MULLION LOAD CAPACITIES (psf) |     |                   |                            |                                                        |                                     |                                                        |                  |          |                                                        |                            |         |          |         |
|-------------------------------|-----|-------------------|----------------------------|--------------------------------------------------------|-------------------------------------|--------------------------------------------------------|------------------|----------|--------------------------------------------------------|----------------------------|---------|----------|---------|
| DIM. (in)                     |     | M1 / M1a          | M2 / M2a                   | * M2 / M2a<br>Twin Span - With<br>Continuous Verticals | M3 / M3a                            | * M3 / M3a<br>Twin Span - With<br>Continuous Verticals | M4 / M4a         |          | * M4 / M4a<br>Twin Span - With<br>Continuous Verticals | M5                         |         |          |         |
|                               |     | UNREINFORCED      | ALUM. REINF.<br>(SB750-22) | ALUM. REINF.<br>(SB750-22)                             | ALUM. REINF. +<br>STEEL (C10) / C11 | ALUM. REINF. +<br>STEEL (C10) / C11                    | STEEL (C12 / X3) |          | STEEL (C12 / X3)                                       | DEEP MULLION<br>(SB750-29) |         |          |         |
| W                             | H   | Ext (+) / Int (-) | Ext (+) / Int (-)          | Ext (+) / Int (-)                                      | Ext (+) / Int (-)                   | Ext (+) / Int (-)                                      | Ext (+)          | Int. (-) | Ext (+)                                                | Int. (-)                   | Ext (+) | Int. (-) | Ext (+) |
| 30                            | 126 | 105.0             | 105.0                      | 105.0                                                  | 105.0                               | 105.0                                                  | 105.0            | 105.0    | 105.0                                                  | 105.0                      | 105.0   | 105.0    | 105.0   |
| 36                            |     | 101.0             | 104.1                      | 104.1                                                  | 104.1                               | 104.1                                                  | 104.1            | 104.1    | 104.1                                                  | 104.1                      | 104.1   | 104.1    | 104.1   |
| 42                            |     | 86.5              | 89.2                       | 89.2                                                   | 89.2                                | 89.2                                                   | 89.2             | 100.0    | 89.2                                                   | 100.0                      | 89.2    | 100.0    | 100.0   |
| 48                            |     | 75.8              | 78.1                       | 78.1                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0                      | 85.0    | 100.0    | 100.0   |
| 54                            |     | 65.0              | 65.0                       | 65.0                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0                      | 85.0    | 100.0    | 100.0   |
| 60                            |     | 60.5              | 62.4                       | 62.4                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0                      | 85.0    | 100.0    | 100.0   |
| 66                            | 132 |                   | 48.3                       | 44.9                                                   | 85.0                                | 77.2                                                   | 85.0             | 100.0    | 79.9                                                   | 79.9                       | 85.0    | 100.0    | 100.0   |
| 30                            |     | 105.0             | 105.0                      | 105.0                                                  | 105.0                               | 105.0                                                  | 105.0            | 105.0    | 105.0                                                  | 105.0                      | 105.0   | 105.0    | 105.0   |
| 36                            |     | 87.8              | 90.5                       | 90.5                                                   | 90.5                                | 90.5                                                   | 90.5             | 100.0    | 90.5                                                   | 100.0                      | 90.5    | 100.0    | 100.0   |
| 42                            |     | 75.3              | 77.6                       | 77.6                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0                      | 85.0    | 100.0    | 100.0   |
| 48                            |     | 65.9              | 67.9                       | 67.9                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0                      | 85.0    | 100.0    | 100.0   |
| 54                            |     | 58.5              | 60.3                       | 60.3                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 89.1                       | 85.0    | 100.0    | 100.0   |
| 60                            | 138 | -                 | 48.4                       | 45.0                                                   | 85.0                                | 77.4                                                   | 85.0             | 100.0    | 80.2                                                   | 80.2                       | 85.0    | 100.0    | 100.0   |
| 66                            |     | -                 | 44.0                       | 40.9                                                   | 85.0                                | 70.4                                                   | 85.0             | 99.8     | 72.9                                                   | 72.9                       | 85.0    | 93.8     | 93.8    |
| 24                            |     | 105.0             | 105.0                      | 105.0                                                  | 105.0                               | 105.0                                                  | 105.0            | 105.0    | 105.0                                                  | 105.0                      | 105.0   | 105.0    | 105.0   |
| 30                            |     | 92.2              | 95.1                       | 95.1                                                   | 95.1                                | 95.1                                                   | 95.1             | 100.0    | 95.1                                                   | 100.0                      | 95.1    | 100.0    | 100.0   |
| 36                            |     | 76.8              | 79.2                       | 79.2                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0                      | 85.0    | 100.0    | 100.0   |
| 42                            |     | 65.9              | 67.9                       | 67.9                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0                      | 85.0    | 100.0    | 100.0   |
| 48                            | 144 | 57.6              | 59.4                       | 59.4                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 91.6                       | 85.0    | 100.0    | 100.0   |
| 54                            |     | 51.2              | 52.8                       | 52.8                                                   | 85.0                                | 78.8                                                   | 85.0             | 100.0    | 81.5                                                   | 81.5                       | 85.0    | 100.0    | 100.0   |
| 60                            |     | -                 | 44.3                       | 41.2                                                   | 85.0                                | 70.8                                                   | 85.0             | 100.0    | 73.3                                                   | 73.3                       | 85.0    | 94.4     | 94.4    |
| 24                            |     | 101.5             | 104.6                      | 104.6                                                  | 104.6                               | 104.6                                                  | 104.6            | 104.6    | 104.6                                                  | 104.6                      | 104.6   | 104.6    | 104.6   |
| 30                            |     | 81.2              | 83.7                       | 83.7                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0                      | 85.0    | 100.0    | 100.0   |
| 36                            |     | 67.6              | 69.7                       | 69.7                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0                      | 85.0    | 100.0    | 100.0   |
| 42                            | 144 | 58.0              | 59.8                       | 59.8                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 96.2                       | 85.0    | 100.0    | 100.0   |
| 48                            |     | 50.7              | 52.3                       | 52.3                                                   | 85.0                                | 81.3                                                   | 85.0             | 100.0    | 84.2                                                   | 84.2                       | 85.0    | 100.0    | 100.0   |
| 54                            |     | -                 | 45.2                       | 42.0                                                   | 85.0                                | 72.3                                                   | 85.0             | 100.0    | 74.8                                                   | 74.8                       | 85.0    | 100.0    | 100.0   |
| 60                            |     | -                 | 40.7                       | 37.9                                                   | 77.3                                | 65.1                                                   | 85.0             | 92.2     | 67.3                                                   | 67.3                       | 85.0    | 92.2     | 92.2    |



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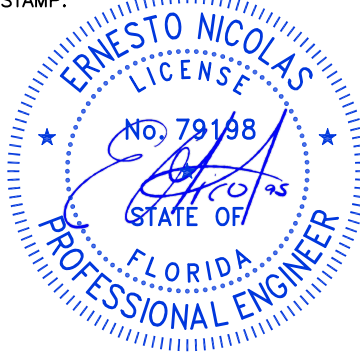
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SHEET NO.:

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| MULLION LOAD CAPACITIES (psf) |     |                   |                            |                                                        |                                     |                                                        |                  |          |                                                        |          |                            |          |
|-------------------------------|-----|-------------------|----------------------------|--------------------------------------------------------|-------------------------------------|--------------------------------------------------------|------------------|----------|--------------------------------------------------------|----------|----------------------------|----------|
| DIM. (in)                     |     | M1 / M1a          | M2 / M2a                   | * M2 / M2a<br>Twin Span - With<br>Continuous Verticals | M3 / M3a                            | * M3 / M3a<br>Twin Span - With<br>Continuous Verticals | M4 / M4a         |          | * M4 / M4a<br>Twin Span - With<br>Continuous Verticals | M5       |                            |          |
|                               |     | UNREINFORCED      | ALUM. REINF.<br>(SB750-22) | ALUM. REINF.<br>(SB750-22)                             | ALUM. REINF. +<br>STEEL (C10) / C11 | ALUM. REINF. + STEEL<br>(C10) / C11                    | STEEL (C12 / X3) |          | STEEL (C12 / X3)                                       |          | DEEP MULLION<br>(SB750-29) |          |
| W                             | H   | Ext (+) / Int (-) | Ext (+) / Int (-)          | Ext (+) / Int (-)                                      | Ext (+) / Int (-)                   | Ext (+) / Int (-)                                      | Ext (+)          | Int. (-) | Ext (+)                                                | Int. (-) | Ext (+)                    | Int. (-) |
| 24                            | 150 | 89.7              | 92.5                       | 92.5                                                   | 92.5                                | 92.5                                                   | 92.5             | 100.0    | 92.5                                                   | 100.0    | 92.5                       | 100.0    |
| 30                            |     | 71.8              | 75.0                       | 74.0                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0    | 85.0                       | 100.0    |
| 36                            |     | 59.8              | 62.5                       | 61.7                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0    | 85.0                       | 100.0    |
| 42                            |     | 51.3              | 53.6                       | 52.9                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 88.6     | 85.0                       | 100.0    |
| 48                            |     | 44.9              | 46.9                       | 46.3                                                   | 85.0                                | 75.0                                                   | 85.0             | 100.0    | 77.6                                                   | 77.6     | 85.0                       | 100.0    |
| 54                            |     | e                 | 41.7                       | 38.8                                                   | 79.1                                | 66.6                                                   | 85.0             | 94.4     | 68.9                                                   | 68.9     | 85.0                       | 91.5     |
| 60                            |     | -                 | 37.5                       | 34.9                                                   | 71.3                                | 60.0                                                   | 85.0             | 85.0     | 62.1                                                   | 62.1     | 82.5                       | 82.5     |
| 66                            |     | -                 | -                          | -                                                      | -                                   | -                                                      | -                | -        | -                                                      | -        | -                          | -        |
| 24                            | 156 | 79.8              | 82.3                       | 82.3                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0    | 85.0                       | 100.0    |
| 30                            |     | 63.8              | 69.3                       | 65.8                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0    | 85.0                       | 100.0    |
| 36                            |     | 53.2              | 57.8                       | 54.8                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 95.6     | 85.0                       | 100.0    |
| 42                            |     | 45.6              | 49.5                       | 47.0                                                   | 85.0                                | 79.2                                                   | 85.0             | 100.0    | 82.0                                                   | 82.0     | 85.0                       | 100.0    |
| 48                            |     | 39.9              | 43.3                       | 41.1                                                   | 85.0                                | 69.3                                                   | 85.0             | 98.2     | 71.7                                                   | 71.7     | 85.0                       | 95.3     |
| 54                            |     | -                 | 38.5                       | 35.8                                                   | 73.2                                | 61.6                                                   | 85.0             | 87.3     | 63.7                                                   | 63.7     | 84.7                       | 84.7     |
| 60                            |     | -                 | -                          | -                                                      | -                                   | -                                                      | -                | -        | -                                                      | -        | -                          | -        |
| 66                            |     | -                 | -                          | -                                                      | -                                   | -                                                      | -                | -        | -                                                      | -        | -                          | -        |
| 24                            | 162 | 71.3              | 75.0                       | 74.8                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0    | 85.0                       | 100.0    |
| 30                            |     | 57.0              | 64.3                       | 59.8                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0    | 85.0                       | 100.0    |
| 36                            |     | 47.5              | 53.6                       | 49.8                                                   | 85.0                                | 83.4                                                   | 85.0             | 100.0    | 85.0                                                   | 88.7     | 85.0                       | 100.0    |
| 42                            |     | 40.7              | 45.9                       | 42.7                                                   | 85.0                                | 71.5                                                   | 85.0             | 100.0    | 76.0                                                   | 76.0     | 85.0                       | 100.0    |
| 48                            |     | -                 | 40.2                       | 37.4                                                   | 74.4                                | 62.6                                                   | 85.0             | 91.1     | 66.5                                                   | 66.5     | 88.4                       | 88.4     |
| 54                            |     | -                 | 35.7                       | 33.2                                                   | 66.1                                | 55.6                                                   | 81.0             | 81.0     | 59.1                                                   | 59.1     | 78.6                       | 78.6     |
| 60                            |     | -                 | -                          | -                                                      | -                                   | -                                                      | -                | -        | -                                                      | -        | -                          | -        |
| 66                            |     | -                 | -                          | -                                                      | -                                   | -                                                      | -                | -        | -                                                      | -        | -                          | -        |
| 24                            | 168 | 63.9              | 74.7                       | 69.5                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0    | 85.0                       | 100.0    |
| 30                            |     | 51.1              | 59.8                       | 55.6                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 98.9     | 85.0                       | 100.0    |
| 36                            |     | 42.6              | 49.8                       | 46.3                                                   | 85.0                                | 74.8                                                   | 85.0             | 100.0    | 82.4                                                   | 82.4     | 85.0                       | 100.0    |
| 42                            |     | 36.5              | 42.7                       | 39.7                                                   | 76.2                                | 64.2                                                   | 85.0             | 96.8     | 70.7                                                   | 70.7     | 85.0                       | 93.9     |
| 48                            |     | -                 | 37.4                       | 34.8                                                   | 66.7                                | 56.1                                                   | 84.7             | 84.7     | 61.8                                                   | 61.8     | 82.2                       | 82.2     |
| 24                            | 174 | 57.5              | 69.7                       | 64.8                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0    | 85.0                       | 100.0    |
| 30                            |     | 46                | 55.7                       | 51.8                                                   | 85.0                                | 80.8                                                   | 85.0             | 100.0    | 85.0                                                   | 92.2     | 85.0                       | 100.0    |
| 36                            |     | 38.3              | 46.4                       | 43.2                                                   | 84.2                                | 67.3                                                   | 85.0             | 100.0    | 76.9                                                   | 76.9     | 85.0                       | 99.4     |
| 42                            |     | 32.9              | 39.8                       | 37.0                                                   | 72.2                                | 57.7                                                   | 85.0             | 90.2     | 65.8                                                   | 65.8     | 85.0                       | 85.3     |
| 48                            |     | -                 | 34.8                       | 32.4                                                   | 63.2                                | 50.5                                                   | 79.0             | 79.0     | 57.7                                                   | 57.7     | 74.6                       | 74.6     |
| 24                            | 180 | 51.9              | 65.1                       | 60.5                                                   | 85.0                                | 85.0                                                   | 85.0             | 100.0    | 85.0                                                   | 100.0    | 85.0                       | 100.0    |
| 30                            |     | 41.5              | 52.1                       | 48.5                                                   | 85.0                                | 73.0                                                   | 85.0             | 100.0    | 85.0                                                   | 86.2     | 85.0                       | 100.0    |
| 36                            |     | 34.6              | 43.4                       | 40.4                                                   | 76.1                                | 60.8                                                   | 85.0             | 98.4     | 71.8                                                   | 71.8     | 85.0                       | 89.8     |
| 42                            |     | 29.7              | 37.2                       | 34.6                                                   | 65.2                                | 52.1                                                   | 84.3             | 84.3     | 61.5                                                   | 61.5     | 77.0                       | 77.0     |
| 48                            |     | -                 | 32.6                       | 30.3                                                   | 57.1                                | 45.6                                                   | 73.8             | 73.8     | 53.9                                                   | 53.9     | 67.4                       | 67.4     |

Table 2 Cont. | MULLION CAPACITY TABLE  
(SINGLE SPAN & TWIN-SPANS)

| JAMB LOAD CAPACITIES (psf) |     |              |         |                            |         |                                                        |         |                                     |         |                                                        |         |
|----------------------------|-----|--------------|---------|----------------------------|---------|--------------------------------------------------------|---------|-------------------------------------|---------|--------------------------------------------------------|---------|
| DIM. (in)                  |     | J1/J1a       |         | J2/J2a                     |         | * J2 / J2a<br>Twin Span - With<br>Continuous Verticals |         | J3/J3a                              |         | * J3 / J3a<br>Twin Span - With<br>Continuous Verticals |         |
|                            |     | UNREINFORCED |         | ALUM. REINF.<br>(SB750-22) |         | ALUM. REINF.<br>(SB750-22)                             |         | ALUM. REINF. +<br>STEEL (C10) / C11 |         | ALUM. REINF. +<br>STEEL (C10) / C11                    |         |
| W                          | H   | EXT.(+)      | INT.(-) | EXT.(+)                    | INT.(-) | EXT.(+)                                                | INT.(-) | EXT.(+)                             | INT.(-) | EXT.(+)                                                | INT.(-) |
| 72                         | 96  | 105.0        | 105.0   | 105.0                      | 105.0   | 105.0                                                  | 105.0   | 105.0                               | 105.0   | 105.0                                                  | 105.0   |
| 66                         | 102 | 105.0        | 105.0   | 105.0                      | 105.0   | 105.0                                                  | 105.0   | 105.0                               | 105.0   | 105.0                                                  | 105.0   |
| 72                         |     | 96.3         | 96.3    | 96.3                       | 96.3    | 96.3                                                   | 100.0   | 96.3                                | 100.0   | 96.3                                                   | 100.0   |
| 54                         | 108 | 105.0        | 105.0   | 105.0                      | 105.0   | 105.0                                                  | 105.0   | 105.0                               | 105.0   | 105.0                                                  | 105.0   |
| 60                         |     | 103.1        | 103.1   | 103.1                      | 100.0   | 103.1                                                  | 103.1   | 103.1                               | 103.1   | 103.1                                                  | 103.1   |
| 66                         |     | 93.7         | 93.7    | 85.0                       | 100.0   | 93.7                                                   | 100.0   | 93.7                                | 100.0   | 93.7                                                   | 100.0   |
| 72                         |     | 85.9         | 85.9    | 85.0                       | 100.0   | 85.9                                                   | 100.0   | 85.9                                | 100.0   | 85.9                                                   | 100.0   |
| 48                         | 114 | 105.0        | 105.0   | 105.0                      | 105.0   | 105.0                                                  | 105.0   | 105.0                               | 105.0   | 105.0                                                  | 105.0   |
| 54                         |     | 102.8        | 102.8   | 102.8                      | 100.0   | 102.8                                                  | 102.8   | 102.8                               | 102.8   | 102.8                                                  | 102.8   |
| 60                         |     | 92.5         | 92.5    | 85.0                       | 100.0   | 92.5                                                   | 100.0   | 92.5                                | 100.0   | 92.5                                                   | 100.0   |
| 66                         |     | 84.1         | 84.1    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 100.0   |
| 72                         |     | 77.1         | 77.1    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 100.0   |
| 42                         | 120 | 105.0        | 105.0   | 105.0                      | 105.0   | 105.0                                                  | 105.0   | 105.0                               | 105.0   | 105.0                                                  | 105.0   |
| 48                         |     | 104.4        | 104.4   | 104.4                      | 100.0   | 104.4                                                  | 104.4   | 104.4                               | 104.4   | 104.4                                                  | 104.4   |
| 54                         |     | 92.8         | 92.8    | 85.0                       | 100.0   | 92.8                                                   | 100.0   | 92.8                                | 100.0   | 92.8                                                   | 100.0   |
| 60                         |     | 83.5         | 83.5    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 100.0   |
| 66                         |     | 75.9         | 75.9    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 100.0   |
| 72                         |     | 69.6         | 69.6    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 100.0   |
| 42                         | 126 | 105.0        | 105.0   | 105.0                      | 105.0   | 105.0                                                  | 105.0   | 105.0                               | 105.0   | 105.0                                                  | 105.0   |
| 48                         |     | 94.7         | 94.7    | 94.7                       | 100.0   | 94.7                                                   | 100.0   | 94.7                                | 100.0   | 94.7                                                   | 100.0   |
| 54                         |     | 84.1         | 84.1    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 100.0   |
| 60                         |     | 75.7         | 75.7    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 100.0   |
| 66                         |     | 68.8         | 68.8    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 98.9    |
| 72                         |     | 63.1         | 63.1    | 85.0                       | 100.0   | -                                                      | -       | 85.0                                | 100.0   | 85.0                                                   | 85.0    |
| 36                         | 132 | 105.0        | 105.0   | 105.0                      | 105.0   | 105.0                                                  | 105.0   | 105.0                               | 105.0   | 105.0                                                  | 105.0   |
| 42                         |     | 98.6         | 98.6    | 98.6                       | 100.0   | 98.6                                                   | 100.0   | 98.6                                | 100.0   | 98.6                                                   | 100.0   |
| 48                         |     | 86.2         | 86.2    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 86.2                                | 100.0   | 86.2                                                   | 100.0   |
| 54                         |     | 76.7         | 76.7    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 100.0   |
| 60                         |     | 69.0         | 69.0    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 99.1    |
| 66                         |     | 62.7         | 62.7    | 85.0                       | 99.8    | 85.0                                                   | 92.8    | 85.0                                | 100.0   | 85.0                                                   | 90.2    |
| 72                         |     | 57.5         | 57.5    | 85.0                       | 91.5    | -                                                      | -       | -                                   | -       | -                                                      | -       |

NOTE:  
★ USE THESE LOAD CAPACITY VALUES FOR TWIN SPANS WITH CONTINUOUS VERTICALS (WITHOUT SPLICE).

Table 3 | JAMB LOAD CAPACITY TABLE  
(SINGLE SPAN & TWIN-SPANS)



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p. 800-432-8132

PRODUCT:

SB751 Impact  
Curtainwall System  
HVHZ - LMI



PRODUCT SERIES

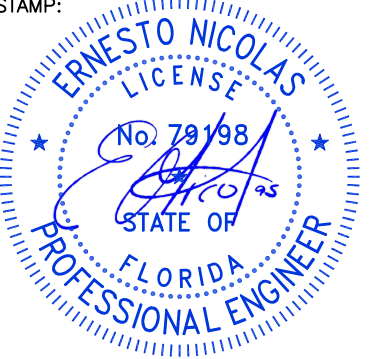
|       |                                       |
|-------|---------------------------------------|
| REVN. | DATE/REMARKS                          |
| 1     | 07/19/25 TWIN-SPANS<br>QUALIFICATIONS |
|       |                                       |
|       |                                       |
|       |                                       |

ENGINEER:



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950 SW 135th Way Sunrise,  
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Email: en3.engconsul@gmail.com

STAMP:



FLORIDA PRODUCT APPROVAL:

FL47297

|                    |               |
|--------------------|---------------|
| DATE:              | JAN. 27, 2025 |
| DRAWN: Bobi        | CHK: ESN      |
| DRWG. No: 25FL-101 | SCALE: NTS    |

SHEET NO.:

10 of 25

| JAMB LOAD CAPACITIES (psf) |     |              |         |                            |         |                                                        |         |                                     |         |                                                        |         |
|----------------------------|-----|--------------|---------|----------------------------|---------|--------------------------------------------------------|---------|-------------------------------------|---------|--------------------------------------------------------|---------|
| DIM. (in)                  |     | J1/J1a       |         | J2/J2a                     |         | * J2 / J2a<br>Twin Span - With<br>Continuous Verticals |         | J3/J3a                              |         | * J3 / J3a<br>Twin Span - With<br>Continuous Verticals |         |
|                            |     | UNREINFORCED |         | ALUM. REINF.<br>(SB750-22) |         | ALUM. REINF.<br>(SB750-22)                             |         | ALUM. REINF. +<br>STEEL (C10) / C11 |         | ALUM. REINF. +<br>STEEL (C10) / C11                    |         |
| W                          | H   | EXT.(+)      | INT.(-) | EXT.(+)                    | INT.(-) | EXT.(+)                                                | INT.(-) | EXT.(+)                             | INT.(-) | EXT.(+)                                                | INT.(-) |
| 36                         | 138 | 105.0        | 105.0   | 105.0                      | 105.0   | 105.0                                                  | 105.0   | 105.0                               | 105.0   | 105.0                                                  | 105.0   |
| 42                         |     | 90.2         | 90.2    | 90.2                       | 100.0   | 90.2                                                   | 100.0   | 90.2                                | 100.0   | 90.2                                                   | 100.0   |
| 48                         |     | 78.9         | 78.9    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 100.0   |
| 54                         |     | 70.1         | 70.1    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 100.0   |
| 60                         |     | 63.1         | 63.1    | 85.0                       | 100.0   | 85.0                                                   | 93.4    | 85.0                                | 100.0   | 85.0                                                   | 90.7    |
| 66                         |     | 57.4         | 57.4    | 85.0                       | 91.3    | 84.9                                                   | 84.9    | -                                   | -       | -                                                      | -       |
| 30                         | 144 | 105.0        | 105.0   | 105.0                      | 105.0   | 105.0                                                  | 105.0   | 105.0                               | 105.0   | 105.0                                                  | 105.0   |
| 36                         |     | 96.6         | 96.6    | 96.6                       | 100.0   | 96.6                                                   | 100.0   | 89.0                                | 100.0   | 96.6                                                   | 100.0   |
| 42                         |     | 82.8         | 82.8    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 100.0   |
| 48                         |     | 72.5         | 72.5    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 100.0   |
| 54                         |     | 64.4         | 64.4    | 85.0                       | 100.0   | 85.0                                                   | 95.3    | 85.0                                | 100.0   | 85.0                                                   | 92.6    |
| 60                         |     | 58.0         | 58.0    | 85.0                       | 92.2    | 85.0                                                   | 85.7    | 85.0                                | 100.0   | 83.3                                                   | 83.3    |
| 66                         | 150 | 52.7         | 52.7    | 83.8                       | 83.8    | -                                                      | -       | -                                   | -       | -                                                      | -       |
| 30                         |     | 105.0        | 105.0   | 105.0                      | 105.0   | 105.0                                                  | 105.0   | 105.0                               | 105.0   | 105.0                                                  | 105.0   |
| 36                         |     | 89.0         | 89.0    | 89.0                       | 100.0   | 89.0                                                   | 100.0   | 89.0                                | 100.0   | 89.0                                                   | 100.0   |
| 42                         |     | 76.3         | 76.3    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 100.0   |
| 48                         |     | 66.8         | 66.8    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 96.0    |
| 54                         |     | 59.4         | 59.4    | 85.0                       | 94.4    | 85.0                                                   | 98.9    | 85.0                                | 100.0   | 85.0                                                   | 85.3    |
| 60                         | 156 | 53.4         | 53.4    | 85.0                       | 85.0    | 85.0                                                   | 87.8    | 85.0                                | 96.0    | 76.8                                                   | 76.8    |
| 66                         |     | 48.6         | 48.6    | 77.3                       | 77.3    | 79.1                                                   | 79.1    | -                                   | -       | -                                                      | -       |
| 24                         | 162 | 105.0        | 105.0   | 105.0                      | 105.0   | 105.0                                                  | 105.0   | 105                                 | 100.0   | 105.0                                                  | 105.0   |
| 30                         |     | 98.8         | 98.8    | 98.8                       | 100.0   | 98.8                                                   | 100.0   | 98                                  | 100.0   | 98.8                                                   | 100.0   |
| 36                         |     | 82.3         | 82.3    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 100.0   |
| 42                         |     | 70.6         | 70.6    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 100.0   |
| 48                         |     | 61.7         | 61.7    | 85.0                       | 98.2    | 85.0                                                   | 91.3    | 85.0                                | 100.0   | 85.0                                                   | 88.7    |
| 54                         |     | 54.9         | 54.9    | 85.0                       | 87.3    | 81.2                                                   | 81.2    | 85.0                                | 98.6    | 78.9                                                   | 78.9    |
| 60                         | 168 | 49.4         | 49.4    | 78.6                       | 78.6    | 73.1                                                   | 73.1    | -                                   | -       | -                                                      | -       |
| 24                         |     | 105.0        | 105.0   | 105.0                      | 105.0   | 105.0                                                  | 105.0   | 105.0                               | 105.0   | 105.0                                                  | 105.0   |
| 30                         |     | 91.6         | 91.6    | 91.6                       | 100.0   | 91.6                                                   | 100.0   | 91.6                                | 100.0   | 91.6                                                   | 100.0   |
| 36                         |     | 76.3         | 76.3    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 100.0   |
| 42                         |     | 65.4         | 65.4    | 85.0                       | 100.0   | 85.0                                                   | 96.8    | 85.0                                | 100.0   | 85.0                                                   | 94.0    |
| 48                         |     | 57.3         | 57.3    | 85.0                       | 91.1    | 84.7                                                   | 84.7    | 85.0                                | 100.0   | 82.2                                                   | 82.2    |
| 54                         | 174 | 50.9         | 50.9    | 81.0                       | 81.0    | 75.3                                                   | 75.3    | 85.0                                | 91.4    | 73.1                                                   | 73.1    |
| 60                         |     | 45.8         | 45.8    | 72.9                       | 72.9    | 67.8                                                   | 67.8    | -                                   | -       | -                                                      | -       |

| JAMB LOAD CAPACITIES (psf) |     |              |         |                            |         |                                                        |         |                                     |         |                                                        |         |
|----------------------------|-----|--------------|---------|----------------------------|---------|--------------------------------------------------------|---------|-------------------------------------|---------|--------------------------------------------------------|---------|
| DIM. (in)                  |     | J1/J1a       |         | J2/J2a                     |         | * J2 / J2a<br>Twin Span - With<br>Continuous Verticals |         | J3/J3a                              |         | * J3 / J3a<br>Twin Span - With<br>Continuous Verticals |         |
|                            |     | UNREINFORCED |         | ALUM. REINF.<br>(SB750-22) |         | ALUM. REINF.<br>(SB750-22)                             |         | ALUM. REINF. +<br>STEEL (C10) / C11 |         | ALUM. REINF. +<br>STEEL (C10) / C11                    |         |
| W                          | H   | EXT.(+)      | INT.(-) | EXT.(+)                    | INT.(-) | EXT.(+)                                                | INT.(-) | EXT.(+)                             | INT.(-) | EXT.(+)                                                | INT.(-) |
| 24                         | 168 | 105.0        | 105.0   | 105.0                      | 105.0   | 105.0                                                  | 105.0   | 105.0                               | 105.0   | 105.0                                                  | 105.0   |
| 30                         |     | 85.2         | 85.2    | 85.2                       | 100.0   | 85.2                                                   | 100.0   | 85.2                                | 100.0   | 85.2                                                   | 100.0   |
| 36                         |     | 71.0         | 71.0    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 100.0   |
| 42                         |     | 60.8         | 60.8    | 85.0                       | 94.2    | 85.0                                                   | 87.6    | 85.0                                | 100.0   | 85.0                                                   | 87.4    |
| 48                         |     | 53.2         | 53.2    | 82.5                       | 82.5    | 76.7                                                   | 76.7    | 85.0                                | 95.6    | 76.5                                                   | 76.5    |
| 54                         |     | 47.3         | 47.3    | 73.3                       | 73.3    | 68.2                                                   | 68.2    | 85.0                                | 85.0    | 68.0                                                   | 68.0    |
| 24                         | 174 | 99.3         | 99.3    | 99.3                       | 100.0   | 99.3                                                   | 100.0   | 99.3                                | 100.0   | 99.3                                                   | 100.0   |
| 30                         |     | 79.4         | 79.4    | 85.0                       | 100.0   | 85.0                                                   | 100.0   | 85.0                                | 100.0   | 85.0                                                   | 100.0   |
| 36                         |     | 66.2         | 66.2    | 85.0                       | 98.9    | 85.0                                                   | 92.0    | 85.0                                | 100.0   | 85.0                                                   | 95.1    |
| 42                         |     | 56.7         | 56.7    | 84.8                       | 84.8    | 78.9                                                   | 78.9    | 85.0                                | 100.0   | 81.5                                                   | 81.5    |
| 48                         |     | 49.6         | 49.6    | 74.2                       | 74.2    | 69.0                                                   | 69.0    | 85.0                                | 89.1    | 71.3                                                   | 71.3    |
| 24                         | 180 | 92.8         | 92.8    | 92.8                       | 100.0   | 92.8                                                   | 100.0   | 92.8                                | 100.0   | 92.8                                                   | 100.0   |
| 30                         |     | 74.2         | 74.2    | 85.0                       | 100.0   | 85.0                                                   | 99.8    | 85.0                                | 100.0   | 85.0                                                   | 100.0   |
| 36                         |     | 61.8         | 61.8    | 85.0                       | 89.4    | 83.1                                                   | 83.1    | 85.0                                | 100.0   | 85.0                                                   | 88.9    |
| 42                         |     | 53.0         | 53.0    | 76.6                       | 76.6    | 71.2                                                   | 71.2    | 85.0                                | 95.2    | 76.2                                                   | 76.2    |
| 48                         |     | 46.4         | 46.4    | 67.0                       | 67.0    | 62.3                                                   | 62.3    | 83.3                                | 83.3    | 66.6                                                   | 66.6    |

Table 3 Cont. | JAMB LOAD CAPACITY TABLE  
(SINGLE SPAN & TWIN-SPANS)



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p. 800-432-8132

PRODUCT:

SB751 Impact  
Curtainwall System  
HVHZ - LMI



PRODUCT SERIES

| REVN. | DATE/REMARKS                          |
|-------|---------------------------------------|
| 1     | 07/19/25 TWIN-SPANS<br>QUALIFICATIONS |
|       |                                       |
|       |                                       |
|       |                                       |

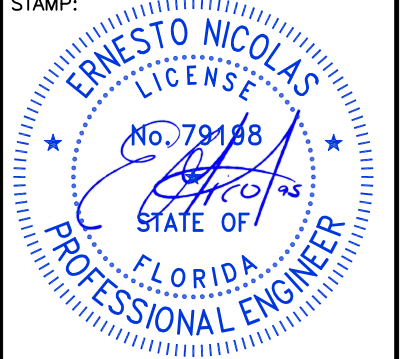
ENGINEER:



En3 Engineering & Consultancy

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

STAMP:



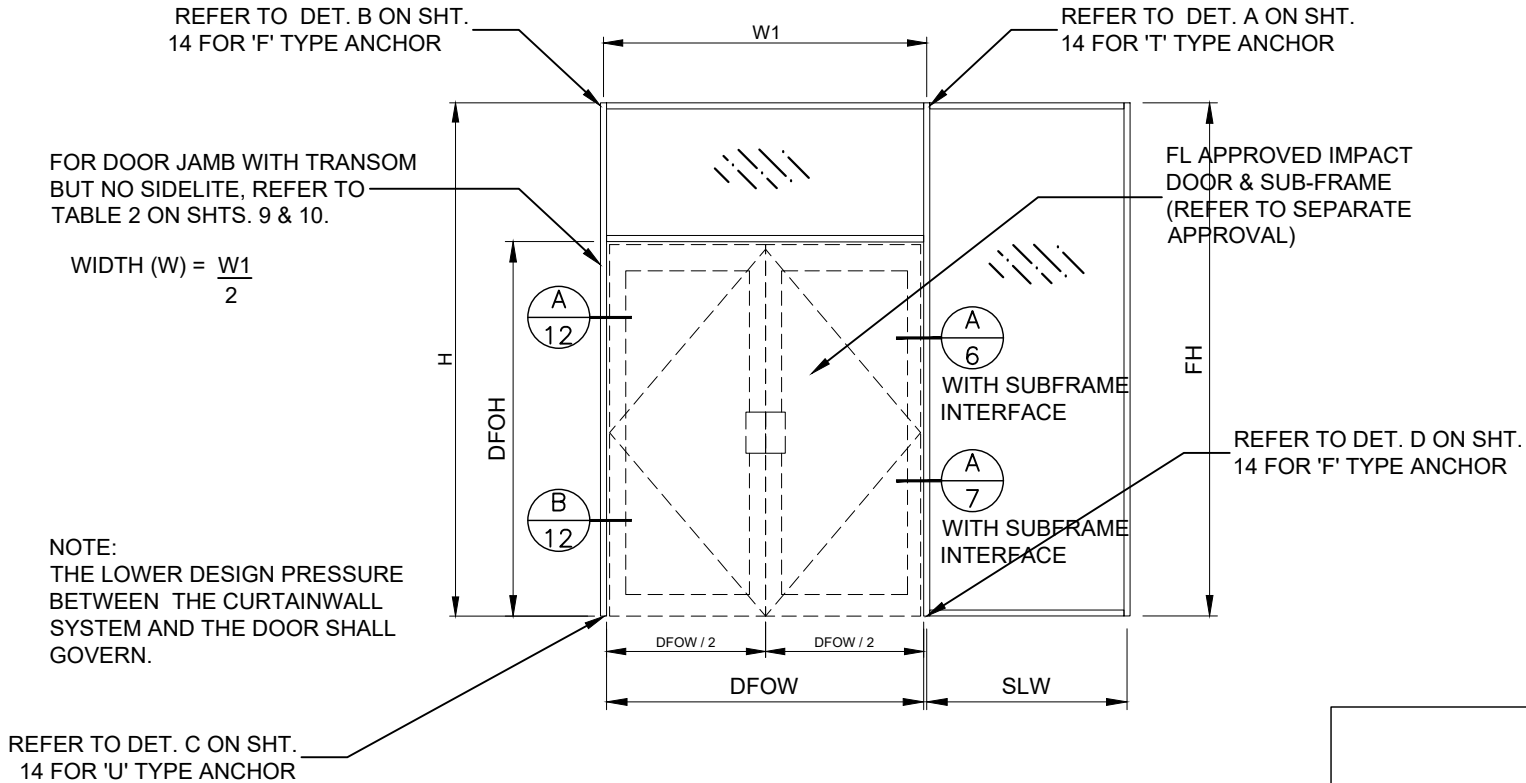
FLORIDA PRODUCT APPROVAL:

FL47297

|                     |            |
|---------------------|------------|
| DATE: JAN. 27, 2025 |            |
| DRAWN: Bobi         | CHK: ESN   |
| DRWG. No: 25FL-101  | SCALE: NTS |

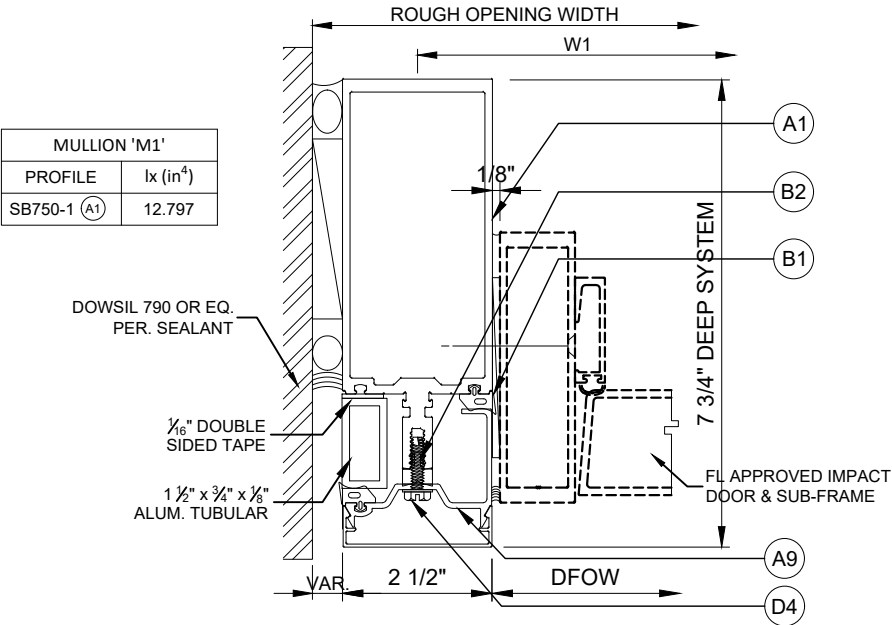
SHEET NO.:

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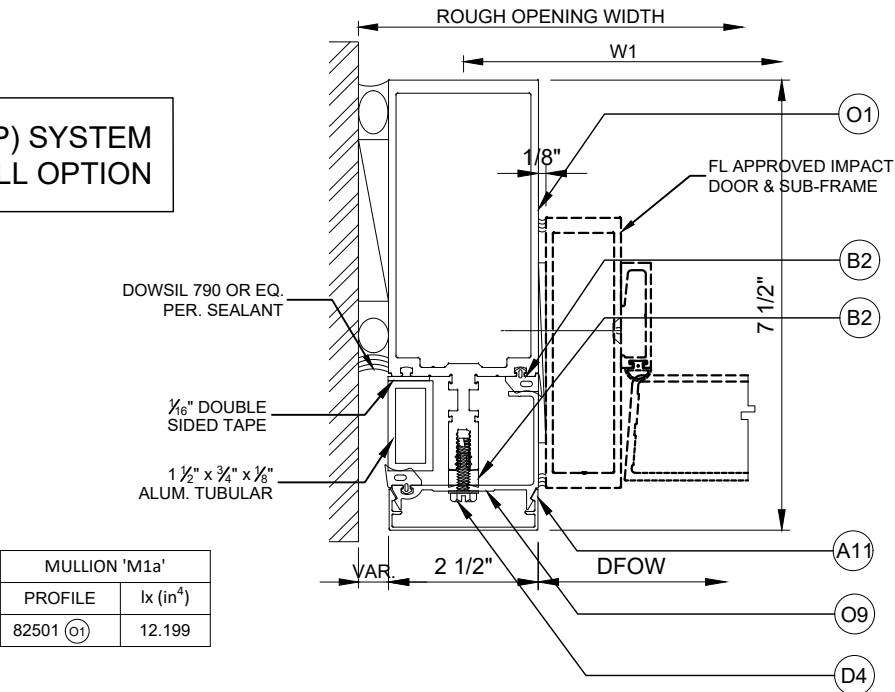
**Elev. 6 - DOUBLE DOOR JAMB ON SINGLE SPAN FRAME WITH TRANSOM & SIDELITE**  
REFER TO TABLE 4 ON SHT. 13 FOR CAPACITIES

NOTE:  
FOR LOAD CAPACITY OF DOOR JAMBS ON TWIN SPAN,  
REFER TO TABLE 2 ON SHTS. 9 & 10



**A SINGLE SPAN DOOR JAMB WITH TRANSOM (NO SIDELITE)**  
REFER TO SHTS. 6 & 7 FOR OPTIONS  
REFER TO TABLE 3 ON SHT. 10 FOR CAPACITIES

**8200 (7 1/2" DEEP) SYSTEM CURTAINWALL OPTION**



**B SINGLE SPAN DOOR JAMB WITH TRANSOM (NO SIDELITE) 8200 SYSTEM**  
REFER TO SHTS. 6 & 7 FOR OPTIONS  
REFER TO TABLE 2 ON SHTS. 9 & 10 FOR CAPACITIES



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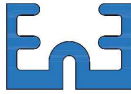
PRODUCT:

**SB751 Impact  
Curtainwall System  
HVHZ - LMI**



| REVN. | DATE/REMARKS                       |
|-------|------------------------------------|
| 1     | 07/19/25 TWIN-SPANS QUALIFICATIONS |
|       |                                    |
|       |                                    |
|       |                                    |

ENGINEER:



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Email: en3.engconsul@gmail.com

STAMP:



FLORIDA PRODUCT APPROVAL:

**FL47297**

DATE: JAN. 27, 2025

DRAWN: Bobi CHK: ESN

DRWG. No: 25FL-101 SCALE: NTS

SHEET NO.:

**12 of 25**



96" DFOW x 84" DFOH

| FH  | SLW | M1 / M1a |        | M2 / M2a |        | M3/M3a/M5 |        | M4 / M4a |        |
|-----|-----|----------|--------|----------|--------|-----------|--------|----------|--------|
|     |     | Ext (+)  | Int(-) | Ext (+)  | Int(-) | Ext (+)   | Int(-) | Ext (+)  | Int(-) |
| 102 | 24  | 105      | 105    | 105      | 105    | 105       | 105    | 105      | 105    |
|     | 48  | 75       | 75     | 85.0     | 100.0  | 85.0      | 100.0  | 85.0     | 100.0  |
|     | 60  | -        | -      | 85.0     | 93.3   | 85.0      | 93.3   | 85.0     | 93.3   |
|     | 72  | -        | -      | 85.0     | 86.4   | 85.0      | 86.4   | 85.0     | 86.4   |
| 108 | 36  | 75       | 75     | 85.0     | 100.0  | 85.0      | 100.0  | 85.0     | 100.0  |
|     | 48  | -        | -      | 85.0     | 97.3   | 85.0      | 97.3   | 85.0     | 97.3   |
|     | 60  | -        | -      | 85.0     | 89.4   | 85.0      | 89.4   | 85.0     | 89.4   |
|     | 72  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 120 | 24  | 74.4     | 74.4   | 85.0     | 93.1   | 85.0      | 93.1   | 85.0     | 100.0  |
|     | 36  | -        | -      | 84.3     | 84.3   | 84.3      | 84.3   | 85.0     | 99.2   |
|     | 48  | -        | -      | 76.9     | 76.9   | 76.9      | 76.9   | 85.0     | 90.2   |
|     | 60  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 126 | 24  | -        | -      | 82.6     | 82.6   | 82.6      | 82.6   | 85.0     | 100.0  |
|     | 36  | -        | -      | 74.9     | 74.9   | 74.9      | 74.9   | 85.0     | 95.8   |
|     | 48  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 60  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 132 | 24  | -        | -      | 74.0     | 74.0   | 74.0      | 74.0   | 85.0     | 100.0  |
|     | 36  | -        | -      | 67.2     | 67.2   | 67.2      | 67.2   | 85.0     | 92.4   |
|     | 48  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 60  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 144 | 24  | -        | -      | 56.7     | 56.7   | 58.2      | 58.2   | 83.8     | 83.8   |
|     | 36  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 48  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 60  | -        | -      | -        | -      | -         | -      | -        | -      |
| 150 | 24  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 36  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 48  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 156 | 24  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 36  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 48  | -        | -      | -        | -      | -         | -      | -        | -      |
| 162 | 24  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 36  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 48  | -        | -      | -        | -      | -         | -      | -        | -      |
| 168 | 24  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 36  | -        | -      | -        | -      | -         | -      | 54.5     | 54.5   |
| 174 | 24  | -        | -      | -        | -      | -         | -      | 54.3     | 54.3   |
|     | 36  | -        | -      | -        | -      | -         | -      | -        | -      |
| 180 | 24  | -        | -      | -        | -      | -         | -      | 49.1     | 49.1   |
|     | 36  | -        | -      | -        | -      | -         | -      | -        | -      |

96" DFOW x 96" DFOH

| FH  | SLW | M1 / M1a |        | M2 / M2a |        | M3/M3a/M5 |        | M4 / M4a |        |
|-----|-----|----------|--------|----------|--------|-----------|--------|----------|--------|
|     |     | Ext (+)  | Int(-) | Ext (+)  | Int(-) | Ext (+)   | Int(-) | Ext (+)  | Int(-) |
| 120 | 24  | 75       | 75     | 85.0     | 100.0  | 85.0      | 100.0  | 85.0     | 100.0  |
|     | 36  | -        | -      | 85.0     | 91.7   | 85.0      | 91.7   | 85.0     | 95.3   |
|     | 48  | -        | -      | 83.1     | 83.1   | 83.1      | 83.1   | 85.0     | 86.9   |
|     | 60  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |

96" DFOW x 96" DFOH

| FH  | SLW | M1 / M1a |        | M2 / M2a |        | M3/M3a/M5 |        | M4 / M4a |        |
|-----|-----|----------|--------|----------|--------|-----------|--------|----------|--------|
|     |     | Ext (+)  | Int(-) | Ext (+)  | Int(-) | Ext (+)   | Int(-) | Ext (+)  | Int(-) |
| 126 | 24  | -        | -      | 85.0     | 89.0   | 85.0      | 89.0   | 85.0     | 100.0  |
|     | 36  | -        | -      | 80.1     | 80.1   | 80.1      | 80.1   | 85.0     | 92.1   |
|     | 48  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 60  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 132 | 24  | -        | -      | 78.6     | 78.6   | 78.6      | 78.6   | 85.0     | 99.0   |
|     | 36  | -        | -      | 70.9     | 70.9   | 70.9      | 70.9   | 85.0     | 89.2   |
|     | 48  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 60  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 144 | 24  | -        | -      | 59.0     | 59.0   | 60.4      | 60.4   | 85.0     | 86.9   |
|     | 36  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 48  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 60  | -        | -      | -        | -      | -         | -      | -        | -      |
| 150 | 24  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 36  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 48  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 156 | 24  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 36  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 48  | -        | -      | -        | -      | -         | -      | -        | -      |
| 162 | 24  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 36  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 48  | -        | -      | -        | -      | -         | -      | -        | -      |
| 168 | 24  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 36  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 174 | 24  | -        | -      | -        | -      | -         | -      | 54.7     | 54.7   |
|     | 36  | -        | -      | -        | -      | -         | -      | -        | -      |
| 180 | 24  | -        | -      | -        | -      | -         | -      | 49.2     | 49.2   |
|     | 36  | -        | -      | -        | -      | -         | -      | -        | -      |

96" DFOW x 108" DFOH

| FH  | SLW | M1 / M1a |        | M2 / M2a |        | M3/M3a/M5 |        | M4 / M4a |        |
|-----|-----|----------|--------|----------|--------|-----------|--------|----------|--------|
|     |     | Ext (+)  | Int(-) | Ext (+)  | Int(-) | Ext (+)   | Int(-) | Ext (+)  | Int(-) |
| 120 | 24  | 74.4     | 74.4   | 85.0     | 100.0  | 85.0      | 100.0  | 85.0     | 100.0  |
|     | 36  | -        | -      | 85.0     | 91.7   | 85.0      | 91.7   | 85.0     | 91.7   |
|     | 48  | -        | -      | 83.9     | 83.9   | 83.9      | 83.9   | 83.9     | 83.9   |
|     | 60  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 126 | 24  | -        | -      | 85.0     | 97.9   | 85.0      | 97.9   | 85.0     | 97.9   |
|     | 36  | -        | -      | 85.0     | 88.7   | 85.0      | 88.7   | 85.0     | 88.7   |
|     | 48  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 60  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 132 | 24  | -        | -      | 85.0     | 86.4   | 85.0      | 86.4   | 85.0     | 95.1   |
|     | 36  | -        | -      | 77.3     | 77.3   | 77.3      | 77.3   | 85.0     | 86.0   |
|     | 48  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 60  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 144 | 24  | -        | -      | 62.8     | 62.8   | 64.3      | 64.3   | 85.0     | 89.8   |
|     | 36  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 48  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 60  | -        | -      | -        | -      | -         | -      | -        | -      |

96" DFOW x 108" DFOH

| FH  | SLW | M1 / M1a |        | M2 / M2a |        | M3/M3a/M5 |        | M4 / M4a |        |
|-----|-----|----------|--------|----------|--------|-----------|--------|----------|--------|
|     |     | Ext (+)  | Int(-) | Ext (+)  | Int(-) | Ext (+)   | Int(-) | Ext (+)  | Int(-) |
| 150 | 24  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 36  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 48  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 156 | 24  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 36  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 48  | -        | -      | -        | -      | -         | -      | -        | -      |
| 156 | 24  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 36  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 168 | 24  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 36  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 174 | 24  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 36  | -        | -      | -        | -      | -         | -      | -        | -      |
| 180 | 24  | -        | -      | -        | -      | -         | -      | 50.1     | 50.1   |
|     | 36  | -        | -      | -        | -      | -         | -      | -        | -      |

96" DFOW x 120" DFOH

| FH  | SLW | M1 / M1a |        | M2 / M2a |        | M3/M3a/M5 |        | M4 / M4a |        |
|-----|-----|----------|--------|----------|--------|-----------|--------|----------|--------|
|     |     | Ext (+)  | Int(-) | Ext (+)  | Int(-) | Ext (+)   | Int(-) | Ext (+)  | Int(-) |
| 132 | 24  | -        | -      | 85.0     | 91.5   | 85.0      | 91.5   | 85.0     | 91.5   |
|     | 36  | -        | -      | 83.1     | 83.1   | 83.1      | 83.1   | 83.1     | 83.1   |
|     | 48  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 60  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 144 | 24  | -        | -      | 68.5     | 68.5   | 70.7      | 70.7   | 85.0     | 86.6   |
|     | 36  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 48  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 150 | 24  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 36  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 48  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 162 | 24  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 36  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 168 | 24  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 36  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
| 174 | 24  | -        | -      | -        | -      | -         | -      | 55.0     | 55.0   |
|     | 36  | -        | -      | -        | -      | -         | -      | -        | -      |
| 180 | 24  | -        | -      | -        | -      | -         | -      | 51.8     | 51.8   |
|     | 36  | -        | -      | -        | -      | -         | -      | -        | -      |

NOTE: FOR SINGLE OR DOUBLE DOOR JAMBS ON  
TWIN SPANS, REFER TO TBL. 2 ON SHTS.  
9 & 10 AND TBL. 3 ON SHTS. 10 & 11



http://www.trulite.com

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Alpharetta, GA 30009  
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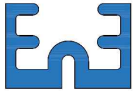
PRODUCT:

SB751 Impact  
Curtainwall System  
HVHZ - LMI



| REVN. | DATE/REMARKS                          |
|-------|---------------------------------------|
| 1     | 07/19/25 TWIN-SPANS<br>QUALIFICATIONS |

ENGINEER:



En3 Engineering & Consultancy

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

STAMP:



FLORIDA PRODUCT APPROVAL:

FL47297

DATE: JAN. 27, 2025

DRAWN: Bobi

CHK: ESN

DRWG. No: 25FL-101

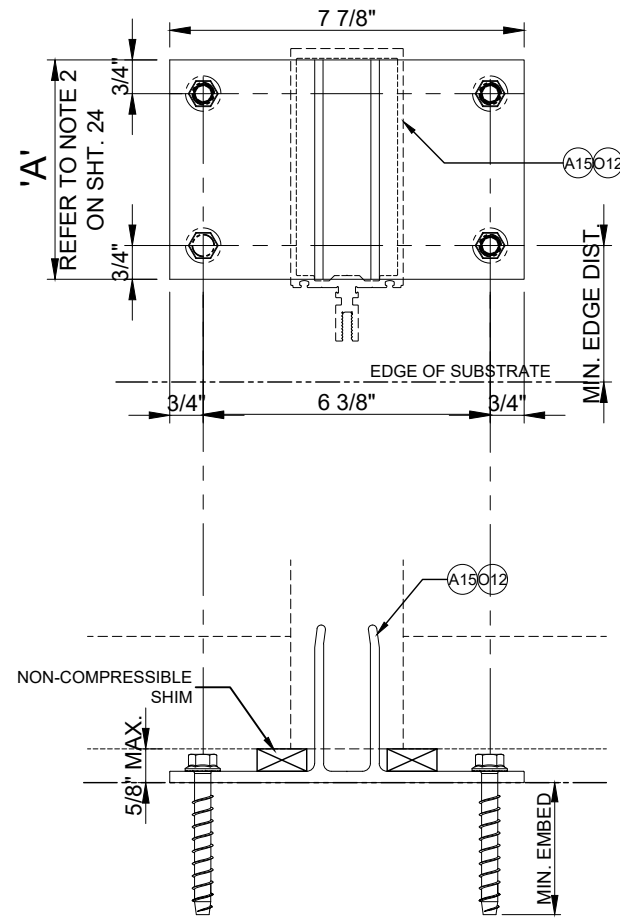
SCALE: NTS

SHEET NO.:

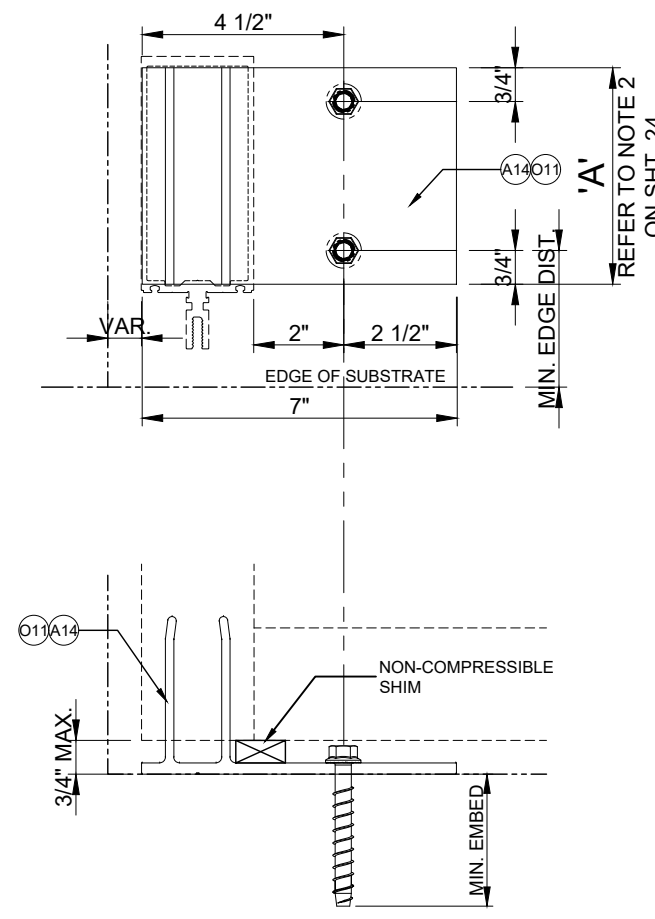
13 of 25

Table 4 | SINGLE SPAN DOUBLE DOOR JAMB (WITH TRANSOM & SIDELITE) LOAD CAPACITY TABLE

(Refer to Elev. 6 on Sht. 12)



**A** MULLION 'T' ANCHOR



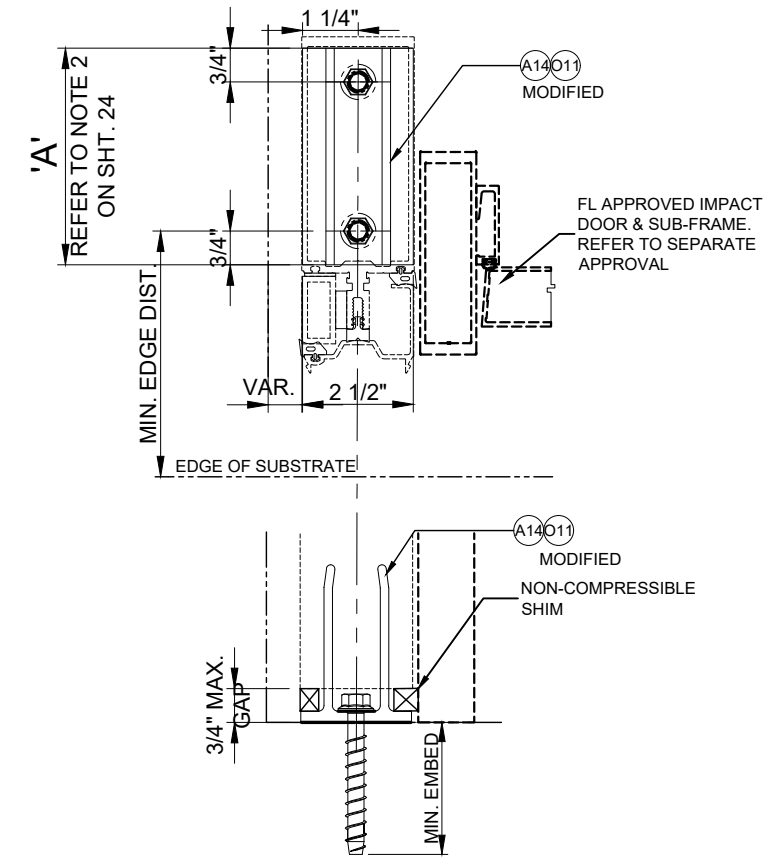
**B** JAMB 'F' ANCHOR

NOTE: ANCHORS SHOWN ARE FOR ILLUSTRATIONS ONLY, REFER TO TBL. 5 ON SHT. 15 FOR ANCHOR TYPES & REQUIREMENTS.

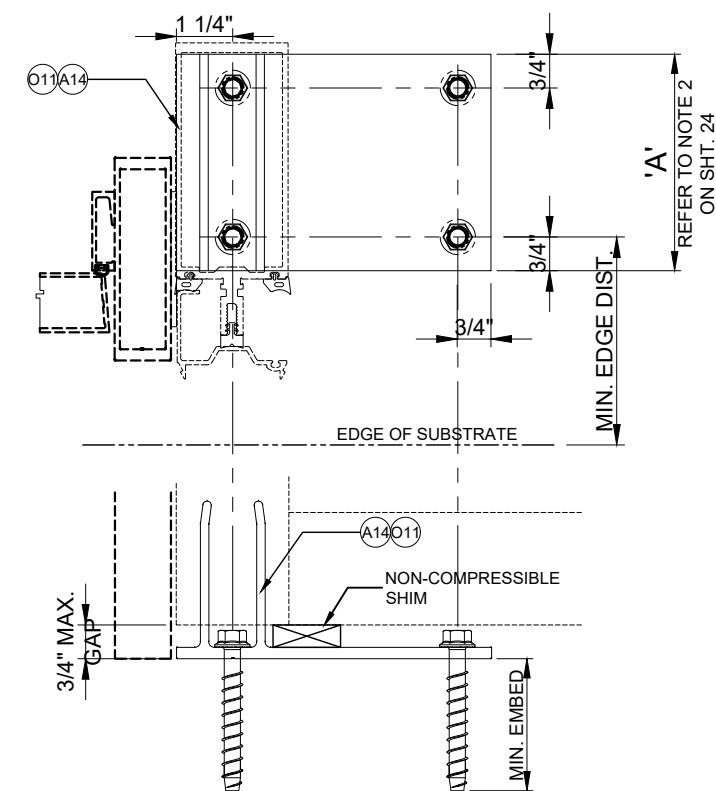
NOTE:

1. ANCHOR SHALL BE INSTALLED IN ACCORDANCE WITH ANCHOR MANUFACTURER'S INSTALLATION INSTRUCTIONS.
2. F & T ANCHORS ARE APPLICABLE TO MULLION/JAMB PER BELOW TABLE

| MULLION TYPE | MEMBER DEPTH (B)                  | F & T ANCHOR LENGTH (A)         | LEGEND |
|--------------|-----------------------------------|---------------------------------|--------|
| SB750-1      | 7 <sup>3</sup> / <sub>4</sub> "   | 4 <sup>7</sup> / <sub>8</sub> " |        |
| 82501        | 7 <sup>1</sup> / <sub>2</sub> "   | 4 <sup>1</sup> / <sub>2</sub> " |        |
| SB750-29     | 10 <sup>5</sup> / <sub>16</sub> " | 7 <sup>1</sup> / <sub>4</sub> " |        |



**C** DOOR JAMB 'U' ANCHOR



**D** DOOR JAMB 'F' ANCHOR

PRODUCT:

**SB751 Impact  
Curtainwall System  
HVHZ - LMI**

**Resistor**  
PRODUCT SERIES

| REVN. | DATE/REMARKS                       |
|-------|------------------------------------|
| 1     | 07/19/25 TWIN-SPANS QUALIFICATIONS |
|       |                                    |
|       |                                    |

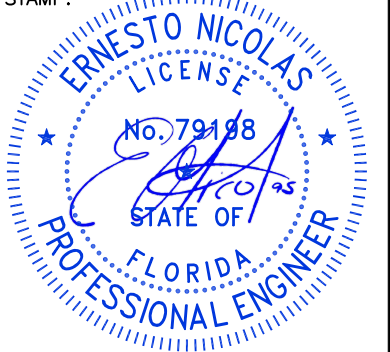
ENGINEER:



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950 SW 135th Way Sunrise,  
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FLORIDA PRODUCT APPROVAL:

**FL47297**

DATE: JAN. 27, 2025

DRAWN: Bobi CHK: ESN

DRWG. No: 25FL-101 SCALE: NTS

SHEET NO.:

**14 of 25**

PRODUCT:

SB751 Impact  
Curtainwall System  
HVHZ - LMI

Resistor  
PRODUCT SERIES

| REVN. | DATE/REMARKS                          |
|-------|---------------------------------------|
| 1     | 07/19/25 TWIN-SPANS<br>QUALIFICATIONS |
|       |                                       |
|       |                                       |
|       |                                       |

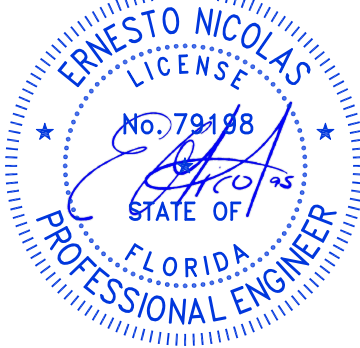
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FL47297

DATE: JAN. 27, 2025

DRAWN: Bobi CHK: ESN

DRWG. No: 25FL-101 SCALE: NTS

SHEET NO.:

15 of 25

F & T ANCHOR SCHEDULE (DP = 105psf Max. \*\*)

| TYPES | ANCHOR DESCRIPTION                                    | DIAM.<br>(in) | SUBSTRATE TYPES                                                                   | MIN.<br>EMBED            | MIN.<br>EDGE<br>DIST.<br>(in) |
|-------|-------------------------------------------------------|---------------|-----------------------------------------------------------------------------------|--------------------------|-------------------------------|
| 1     | Dewalt Screw-Bolt+ with Low Carbon Steel Bolt         | 1/2           | 4500psi (min.) Compressive Strength, Normal Weight, Cracked or Uncracked Concrete | 4.25                     | 5.00                          |
| 2     | Hilti KH-EZ, Medium Carbon Steel                      |               |                                                                                   | 4.25                     |                               |
| 3     | Dewalt Pure110+ with ASTM F1554 A36 Threaded Rod      |               |                                                                                   | 2.75                     |                               |
| 4     | Hilti HIT-RE 500 V3 with F1554 GR. 36 Threaded Rod    |               |                                                                                   | 2.75                     |                               |
| 5     | Hilti KH-EZ, Medium Carbon Steel                      |               |                                                                                   | 4.25                     |                               |
| 6     | Hilti Kwik Bolt TZ2, Medium Carbon Steel              |               |                                                                                   | 3.75                     |                               |
| 7     | Self-Tapping or Threaded Bolt, SAE Gr. 5 or ASTM A325 | 1/2           | 1/4" thk. (min.) Steel, Fy = 36ksi (min.)                                         | 3 threads pass substrate | 1.5                           |

NOTE: REFER TO DETAILS ON SHT. 14 FOR ANCHOR QUANTITIES & LAYOUTS

F & T ANCHOR SCHEDULE (DP = 65psf Max.)

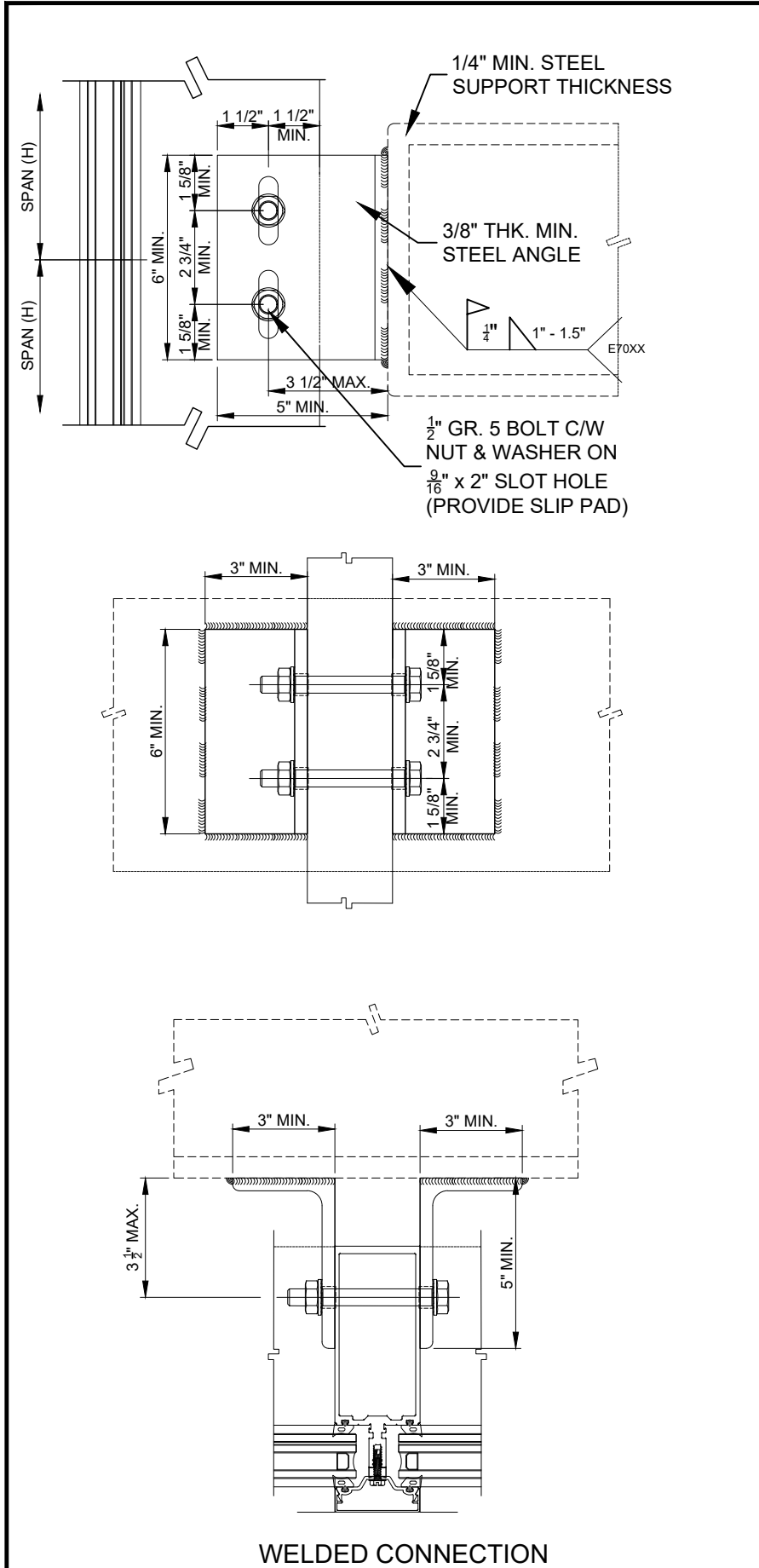
| TYPES | ANCHOR DESCRIPTION                                    | DIAM.<br>(in) | SUBSTRATE TYPES                                                                   | MIN.<br>EMBED            | MIN.<br>EDGE<br>DIST.<br>(in) |
|-------|-------------------------------------------------------|---------------|-----------------------------------------------------------------------------------|--------------------------|-------------------------------|
| 1     | Dewalt Screw-Bolt+ with Low Carbon Steel Bolt         | 1/2           | 3500psi (min.) Compressive Strength, Normal Weight, Cracked or Uncracked Concrete | 4.25                     | 4.00                          |
| 2     | Hilti KH-EZ, Medium Carbon Steel                      |               |                                                                                   | 4.25                     |                               |
| 3     | Dewalt Pure110+ with ASTM F1554 A36 Threaded Rod      |               |                                                                                   | 2.75                     |                               |
| 4     | Hilti HIT-RE 500 V3 with F1554 GR. 36 Threaded Rod    |               |                                                                                   | 2.75                     |                               |
| 5     | Hilti KH-EZ, Medium Carbon Steel                      |               |                                                                                   | 4.25                     |                               |
| 6     | Hilti Kwik Bolt TZ2, Medium Carbon Steel              |               |                                                                                   | 3.75                     |                               |
| 7     | Self-Tapping or Threaded Bolt, SAE Gr. 5 or ASTM A325 | 3/8           | 3/16" thk. (min.) Steel, Fy = 36ksi (min.)                                        | 3 threads pass substrate | 1.25                          |

NOTE: REFER TO DETAILS ON SHT. 14 FOR ANCHOR QUANTITIES & LAYOUTS

NOTE:

\*\* BASED ON MAXIMUM PRESSURE AND THE CORRESPONDING MULLION SPACING (W) AND FRAME HEIGHT (H) COMBINATIONS, REFER TO TBLs. 2 TO 4 ON SHTS. 9 TO 11 & 13

Table 5 'F' & 'T' ANCHOR SCHEDULE



**A MULLION INTERMEDIATE WL ANCHOR DETAILS**

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

PRODUCT:  
**SB751 Impact  
Curtainwall System  
HVHZ - LMI**  
**Resistor**  
PRODUCT SERIES

| REVN. | DATE/REMARKS                       |
|-------|------------------------------------|
| 1     | 07/19/25 TWIN-SPANS QUALIFICATIONS |
|       |                                    |
|       |                                    |

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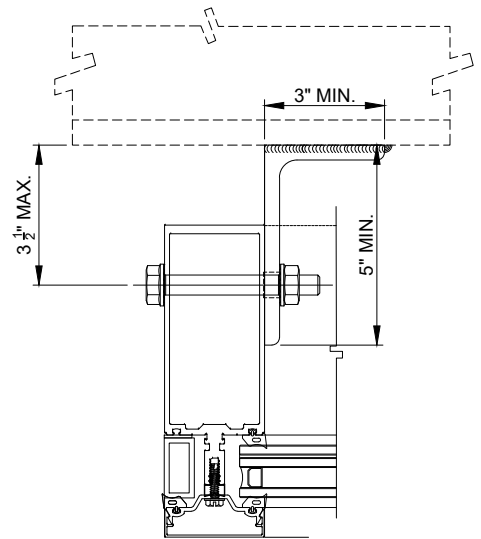
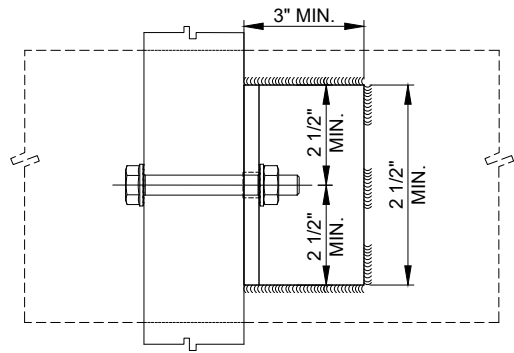
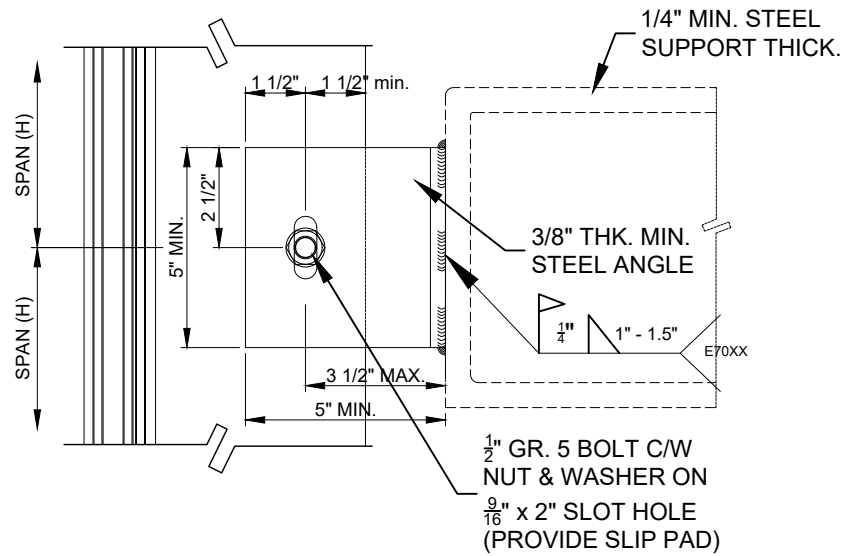
STAMP:  
**ERNESTO NICOLAS**  
LICENSE  
No. 79198  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

FLORIDA PRODUCT APPROVAL:  
**FL47297**

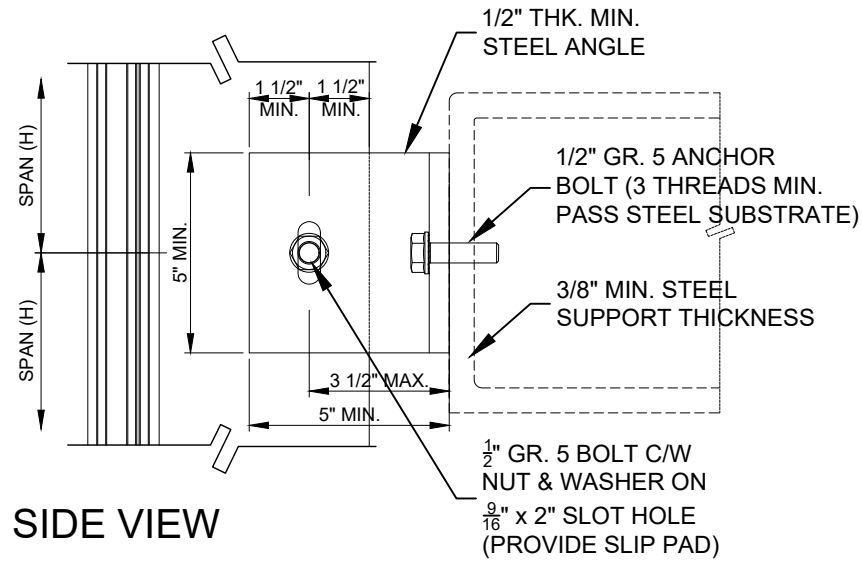
|                     |
|---------------------|
| DATE: JAN. 27, 2025 |
| DRAWN: Bobi         |
| CHK: ESN            |
| DRWG. No: 25FL-101  |
| SCALE: NTS          |

SHEET NO.:  
**16 of 25**

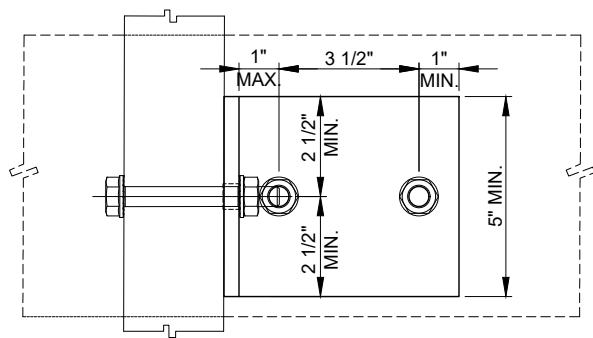




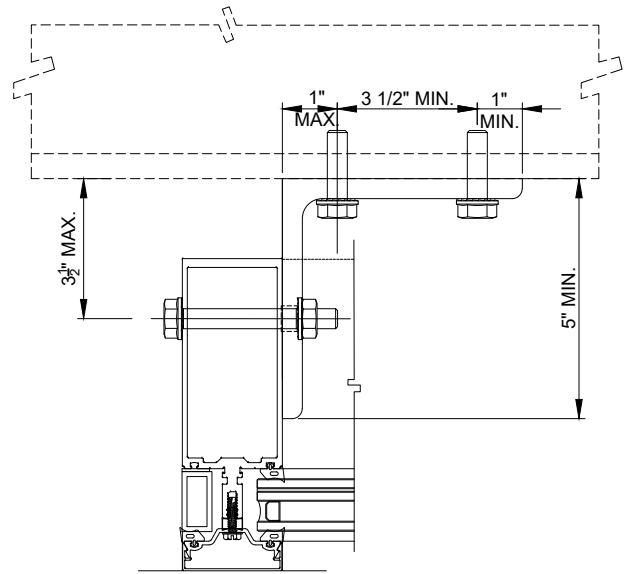
WELDED CONNECTION



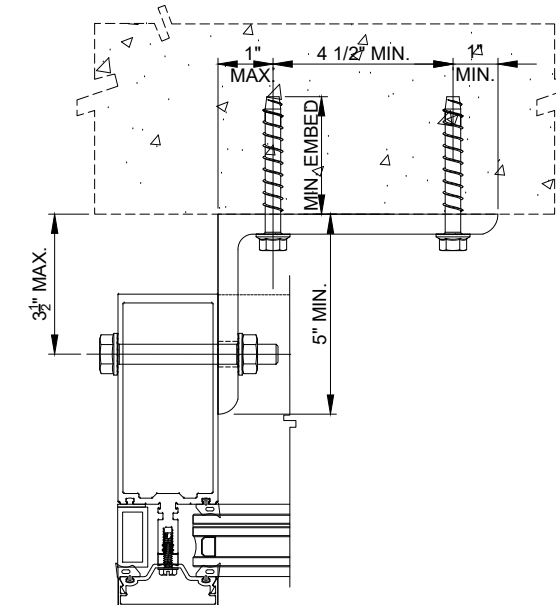
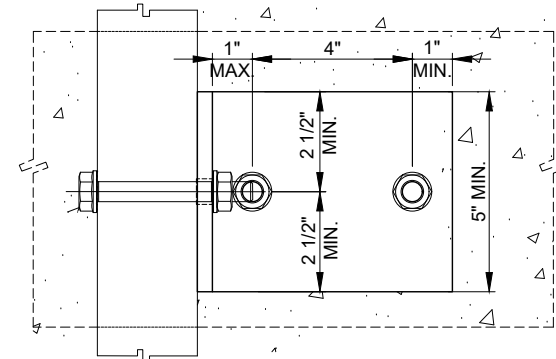
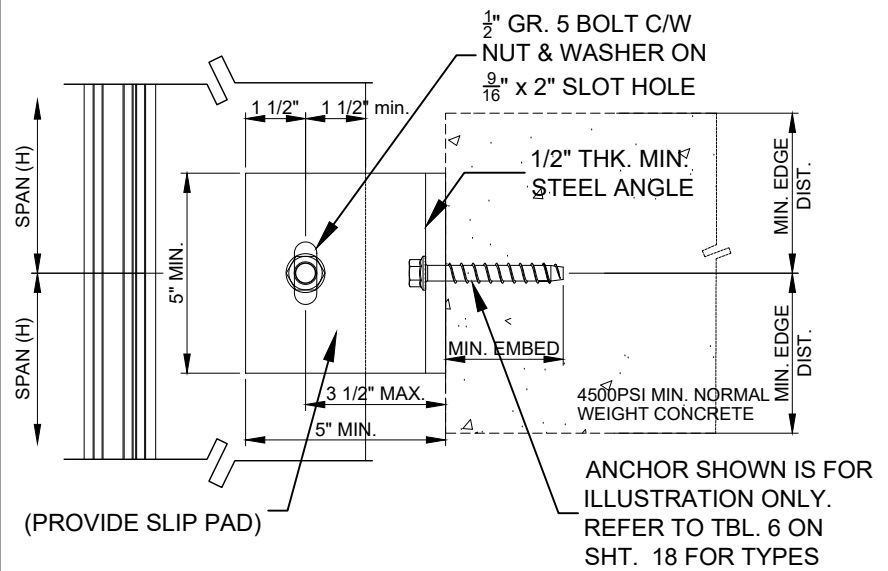
SIDE VIEW



FRONT VIEW



STEEL BOLTED CONNECTION



CONCRETE EMBED CONNECTION

A JAMB INTERMEDIATE WL ANCHOR DETAILS

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p. 800-432-8132

PRODUCT:  
**SB751 Impact  
Curtainwall System  
HVHZ - LMI**  
**Resistor**  
PRODUCT SERIES

| REVN. | DATE/REMARKS                       |
|-------|------------------------------------|
| 1     | 07/19/25 TWIN-SPANS QUALIFICATIONS |
|       |                                    |
|       |                                    |
|       |                                    |

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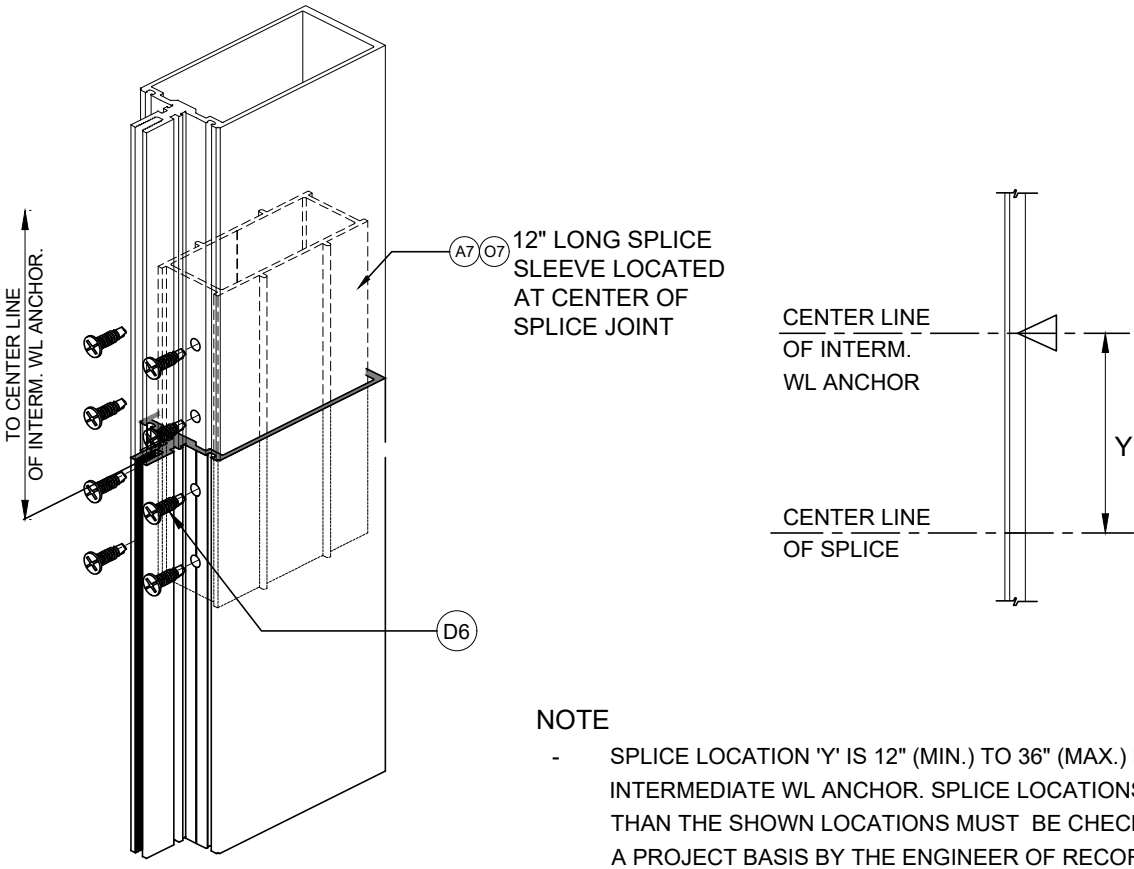
FLORIDA PRODUCT APPROVAL:  
**FL47297**

|                     |
|---------------------|
| DATE: JAN. 27, 2025 |
| DRAWN: Bobi         |
| CHK: ESN            |
| DRWG. No: 25FL-101  |
| SCALE: NTS          |

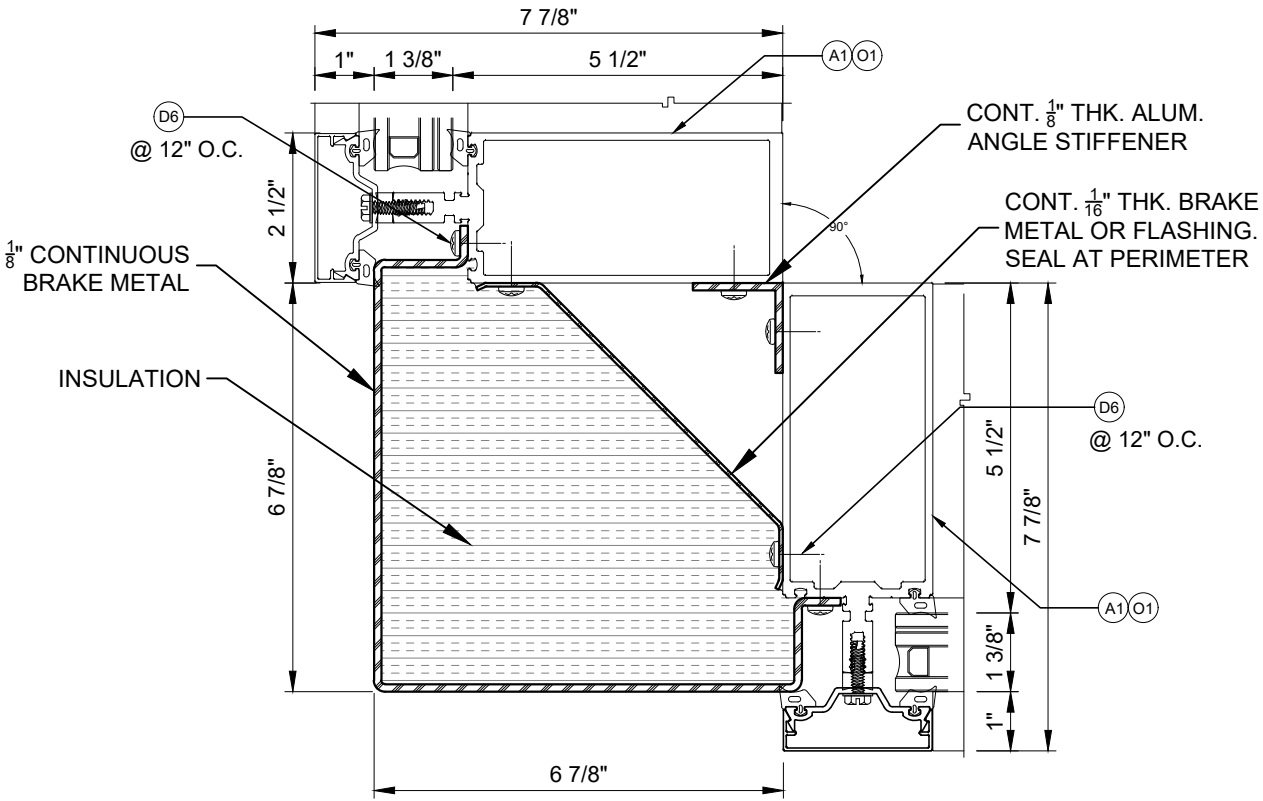
SHEET NO.:  
**17 of 25**

| INTERMEDIATE CONCRETE ANCHOR<br>(FOR TWIN SPAN ONLY)                                           |                                                           |       |            |
|------------------------------------------------------------------------------------------------|-----------------------------------------------------------|-------|------------|
| TYPE                                                                                           | ANCHOR DESCRIPTION                                        | DIAM. | MIN. EMBED |
| 1                                                                                              | HILTI - KH-EZ                                             | 3/8"  | 4.50       |
| 2                                                                                              | HILTI - KWIK BOLT TZ2                                     | 1/2"  | 3.75       |
| 3                                                                                              | DEWALT - SCREW BOLT+                                      | 1/2"  | 4.25       |
| 4                                                                                              | SIMPSON STRONG-TIE - STRONG BOLT 2                        | 1/2"  | 4.00       |
| 5                                                                                              | SIMPSON STRONG-TIE - TITEN HD                             | 3/8"  | 4.00       |
| 6                                                                                              | SIMPSON STRONG-TIE - AT-3G WITH F1554 GR. 36 THREADED ROD | 3/8"  | 3.63       |
| NOTE: CONCRETE COMPRESSIVE STRENGTH IS 4500psi (min.), NORMAL WEIGHT & MIN. EDGE DIST. OF 5in. |                                                           |       |            |

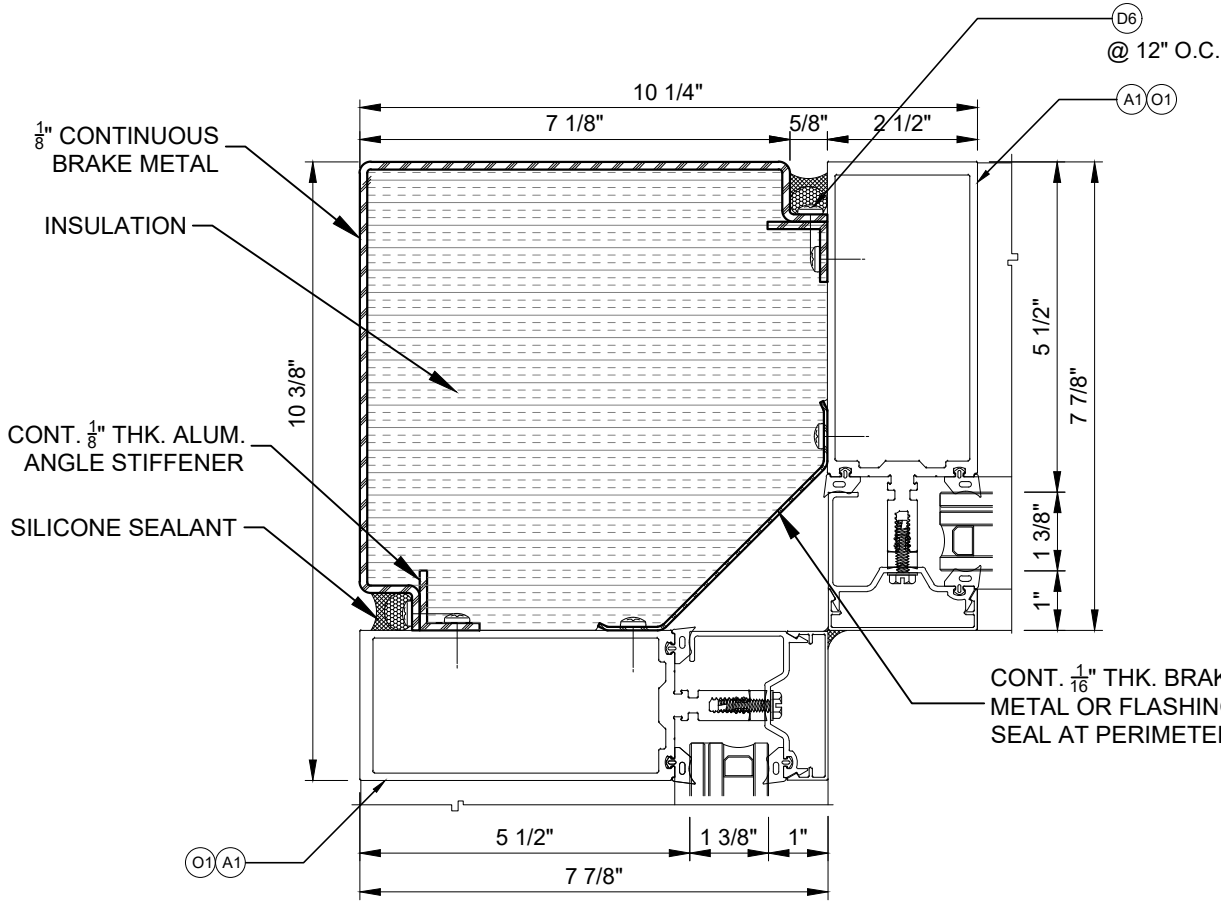
Table 6 | EDGE OF SLAB ANCHOR CAPACITY TABLE  
REFER TO SHTS. 16 & 17, 'Concrete Embed Connection'



A VERTICAL MULLION/JAMB HARD SPLICE JOINT DETAIL



B 90° OUTSIDE CORNER DETAIL



C 90° INTERIOR CORNER DETAIL



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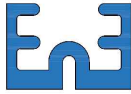
PRODUCT:

SB751 Impact  
Curtainwall System  
HVHZ - LMI



| REVN. | DATE/REMARKS                       |
|-------|------------------------------------|
| 1     | 07/19/25 TWIN-SPANS QUALIFICATIONS |
|       |                                    |
|       |                                    |
|       |                                    |

ENGINEER:



En3 Engineering & Consultancy

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:

FL47297

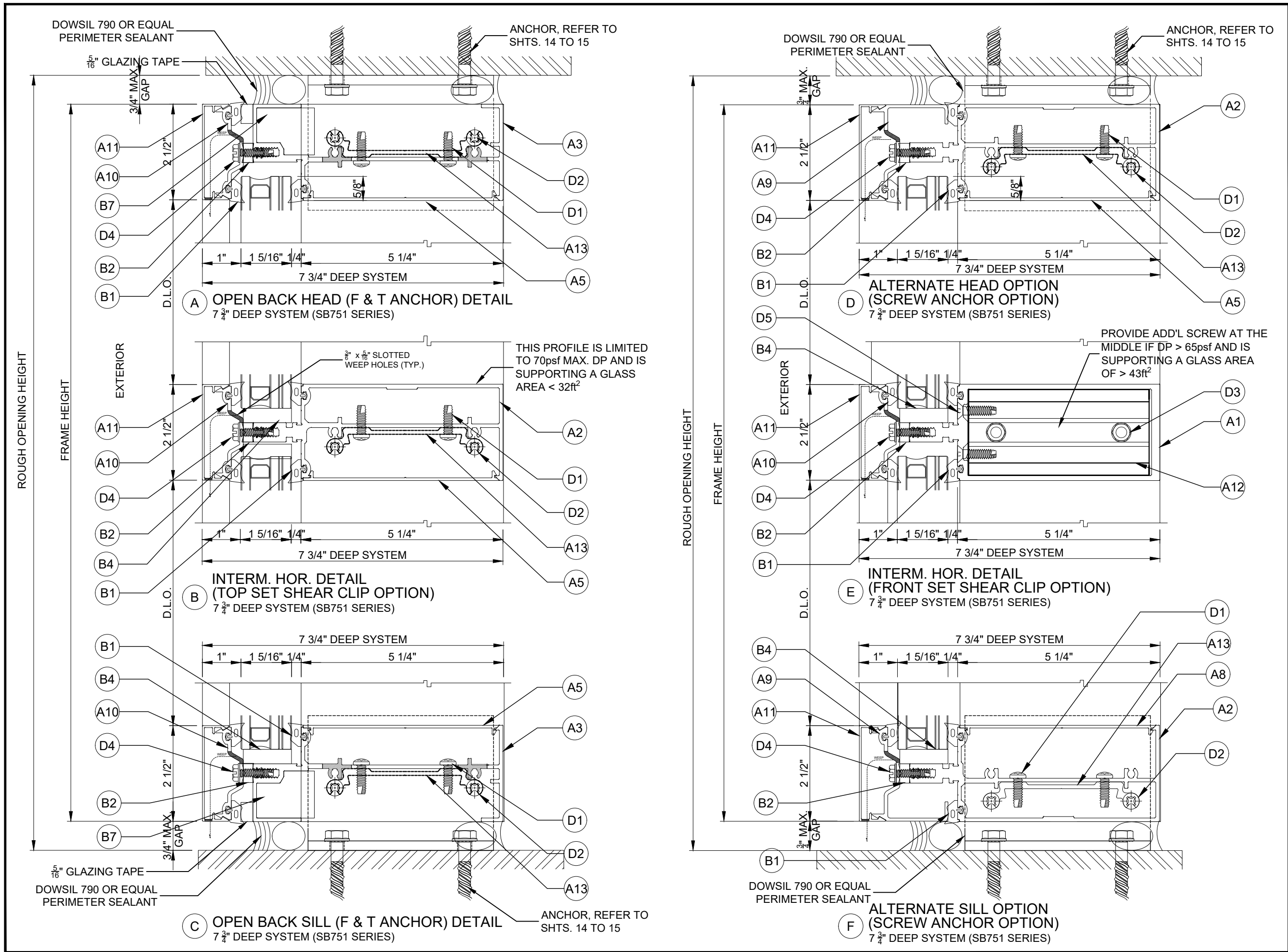
DATE: JAN. 27, 2025

DRAWN: Bobi CHK: ESN

DRWG. No: 25FL-101 SCALE: NTS

SHEET NO.:

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PRODUCT:

**SB751 Impact  
Curtainwall System  
HVHZ - LMI**

**Resistor**  
PRODUCT SERIES

| REVN. | DATE/REMARKS                       |
|-------|------------------------------------|
| 1     | 07/19/25 TWIN-SPANS QUALIFICATIONS |
|       |                                    |
|       |                                    |
|       |                                    |

ENGINEER:

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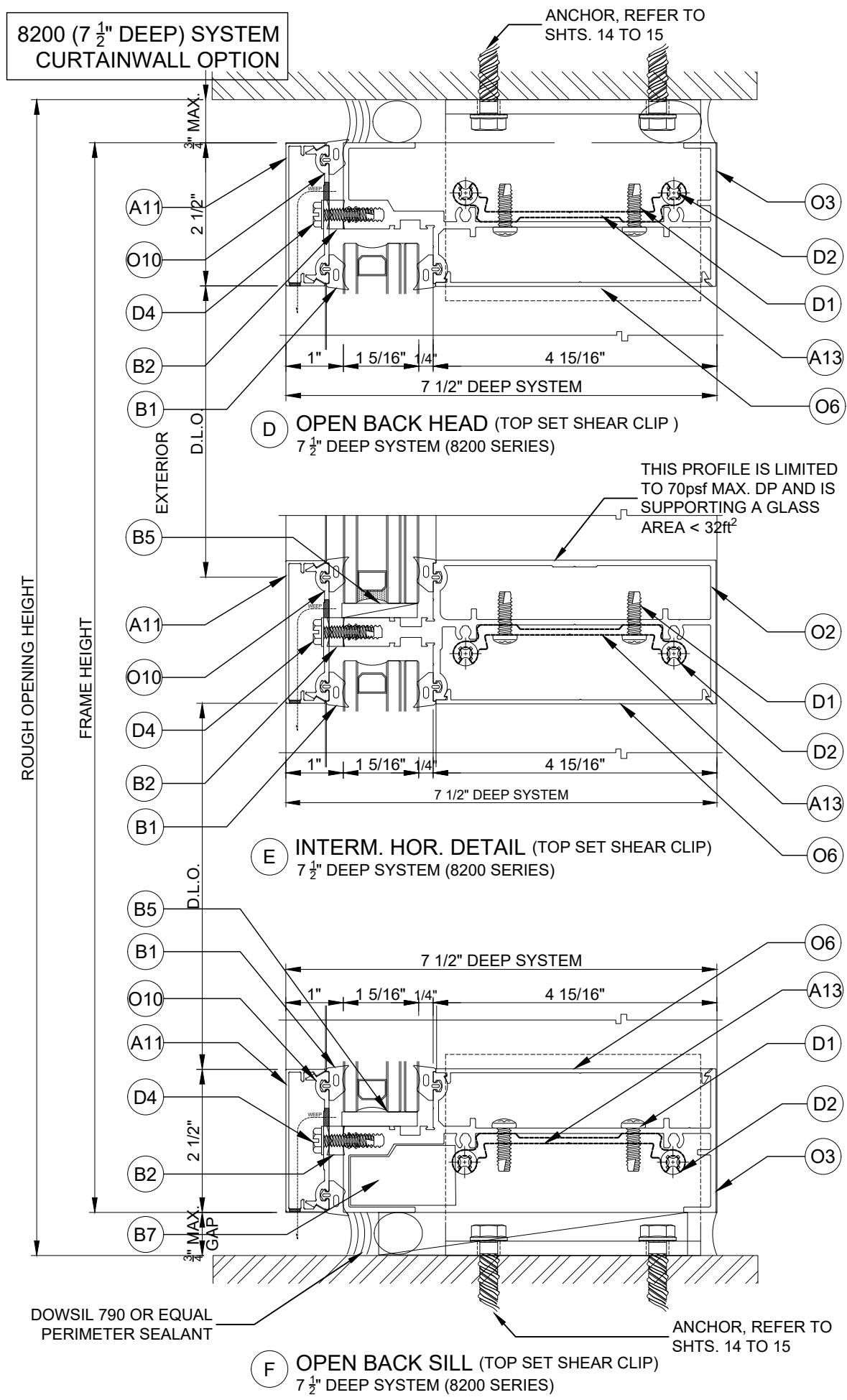
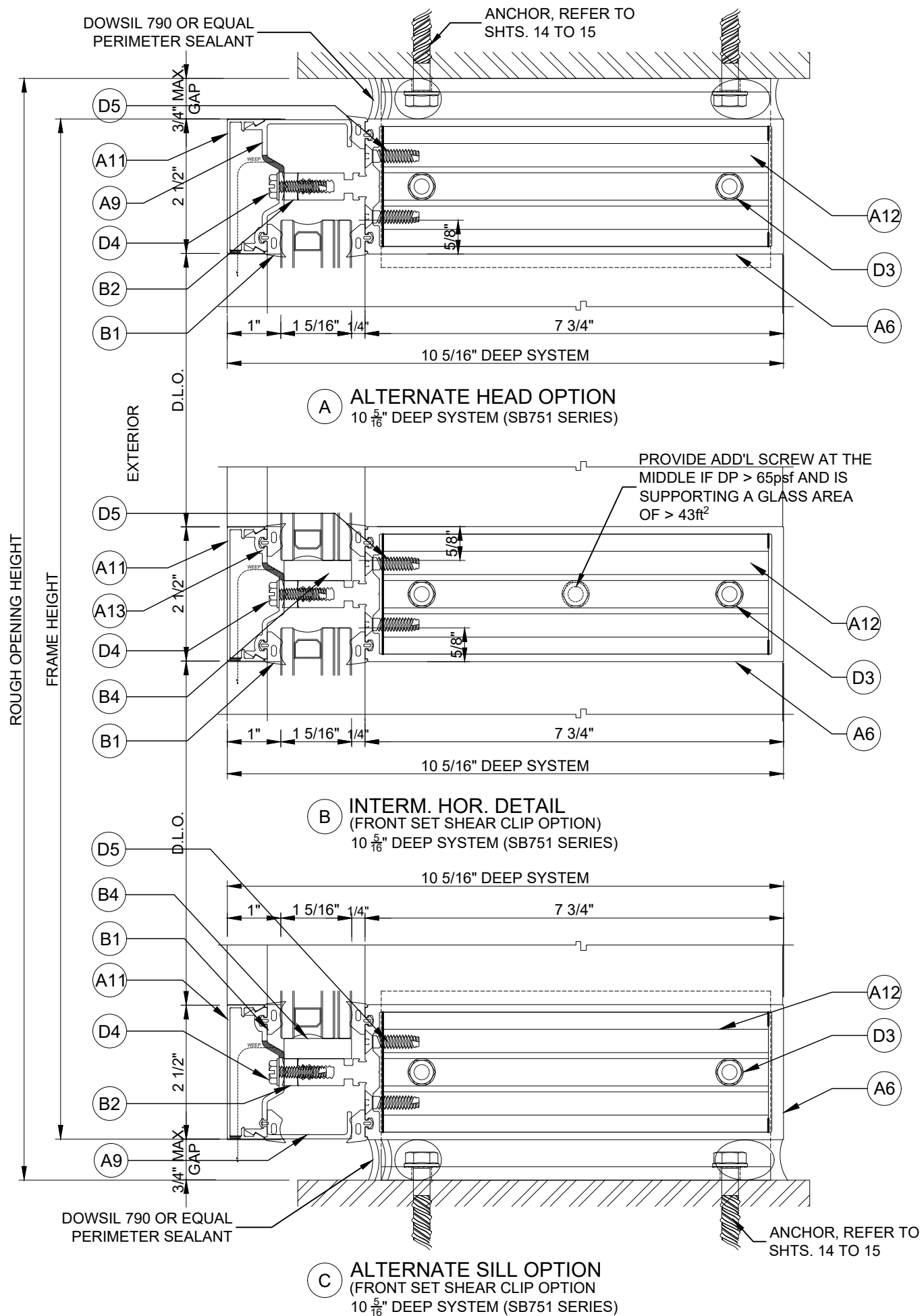
**FL47297**

|                     |            |
|---------------------|------------|
| DATE: JAN. 27, 2025 |            |
| DRAWN: Bobi         | CHK: ESN   |
| DRWG. No: 25FL-101  | SCALE: NTS |

SHEET NO.:

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PRODUCT:  
**SB751 Impact  
Curtainwall System  
HVHZ - LMI**

**Resistor**  
PRODUCT SERIES

| REVN. | DATE/REMARKS                       |
|-------|------------------------------------|
| 1     | 07/19/25 TWIN-SPANS QUALIFICATIONS |
|       |                                    |
|       |                                    |

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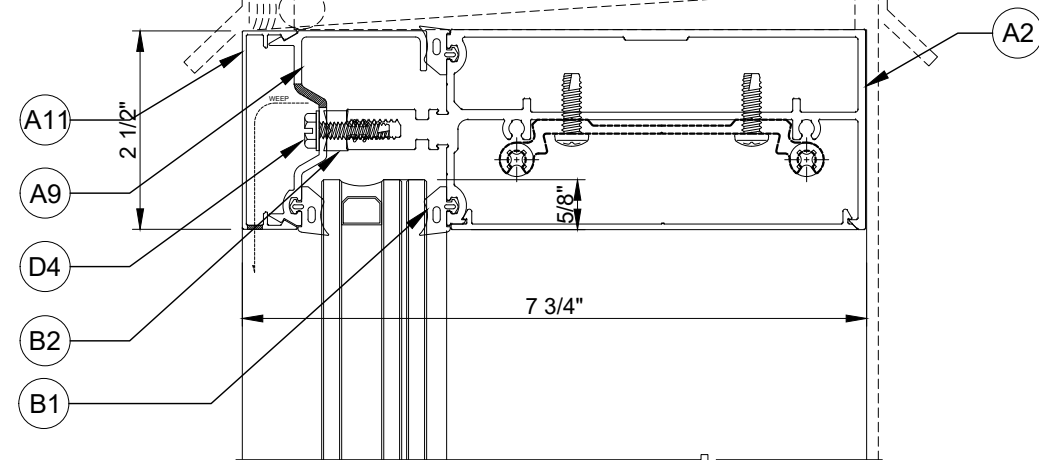
STAMP:  
**ERNESTO NICOLAS**  
LICENSE  
No. 79198  
STATE OF  
FLORIDA  
PROFESSIONAL ENGINEER

FLORIDA PRODUCT APPROVAL:  
**FL47297**

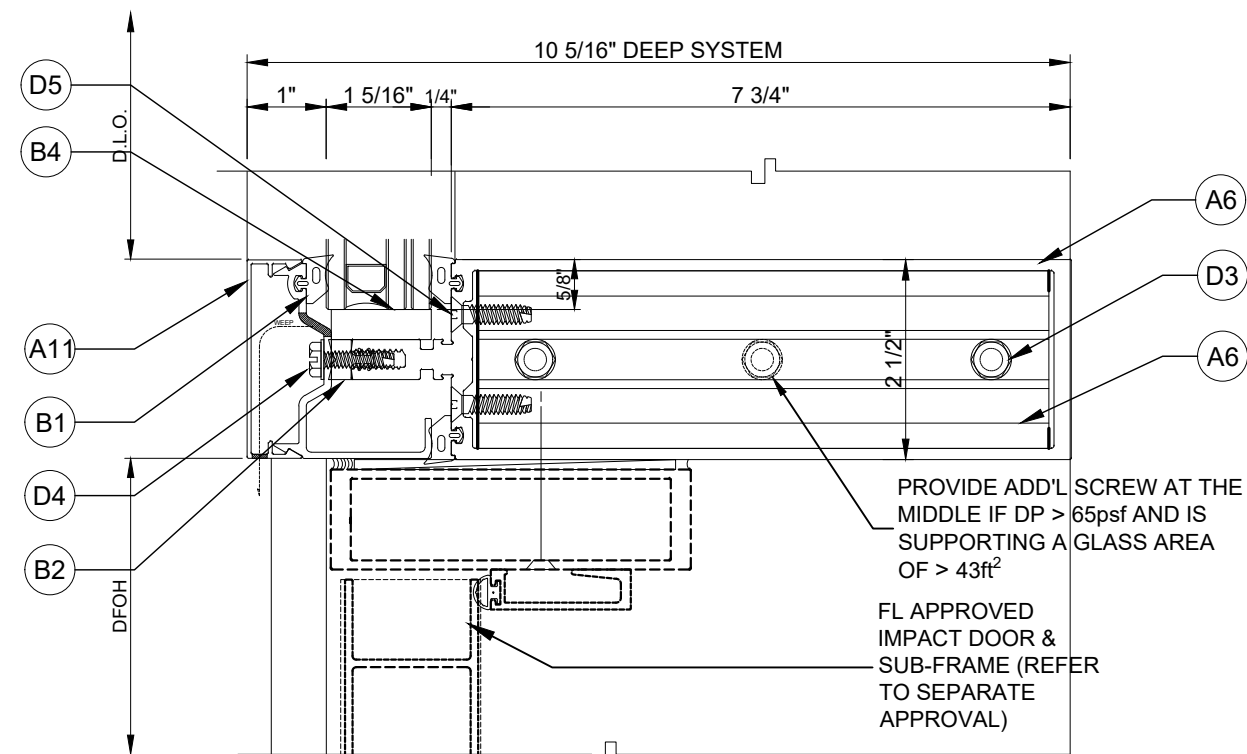
DATE: JAN. 27, 2025  
DRAWN: Bobi CHK: ESN  
DRWG. No: 25FL-101 SCALE: NTS  
SHEET NO.:



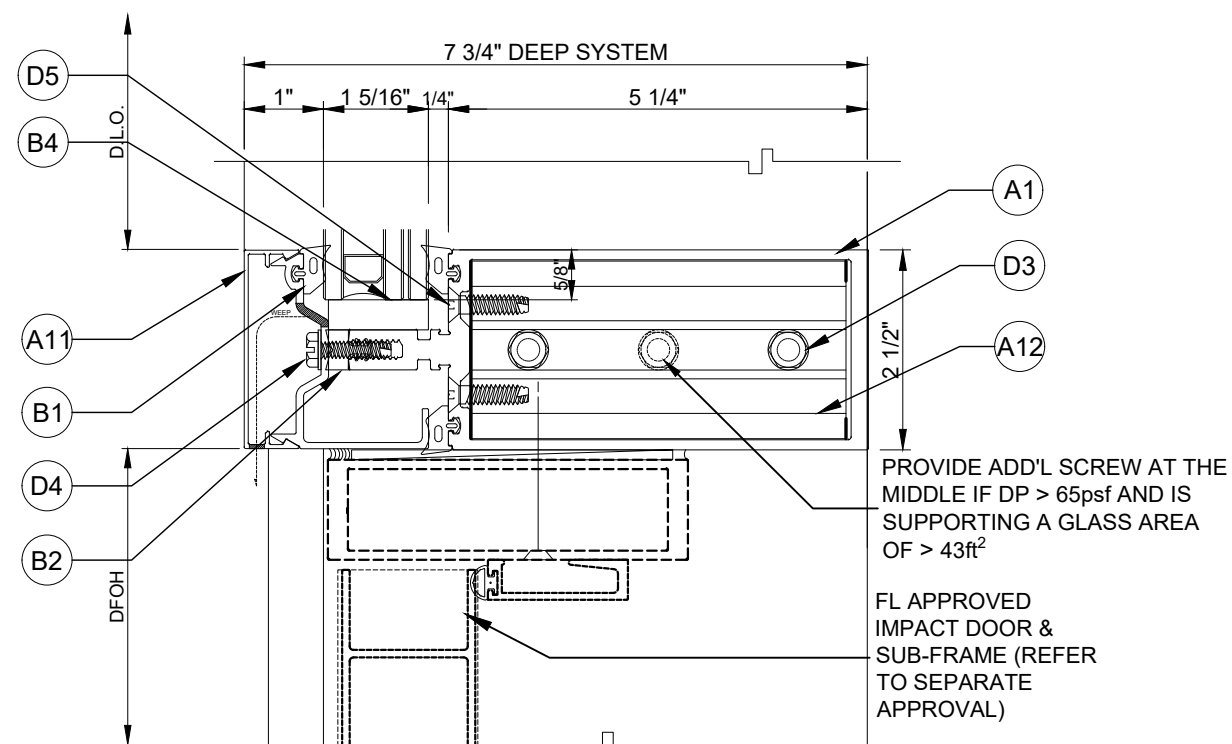
ROOF CAP FLASHINGS  
NOT INCLUDED IN  
CURTAINWALL SYSTEM



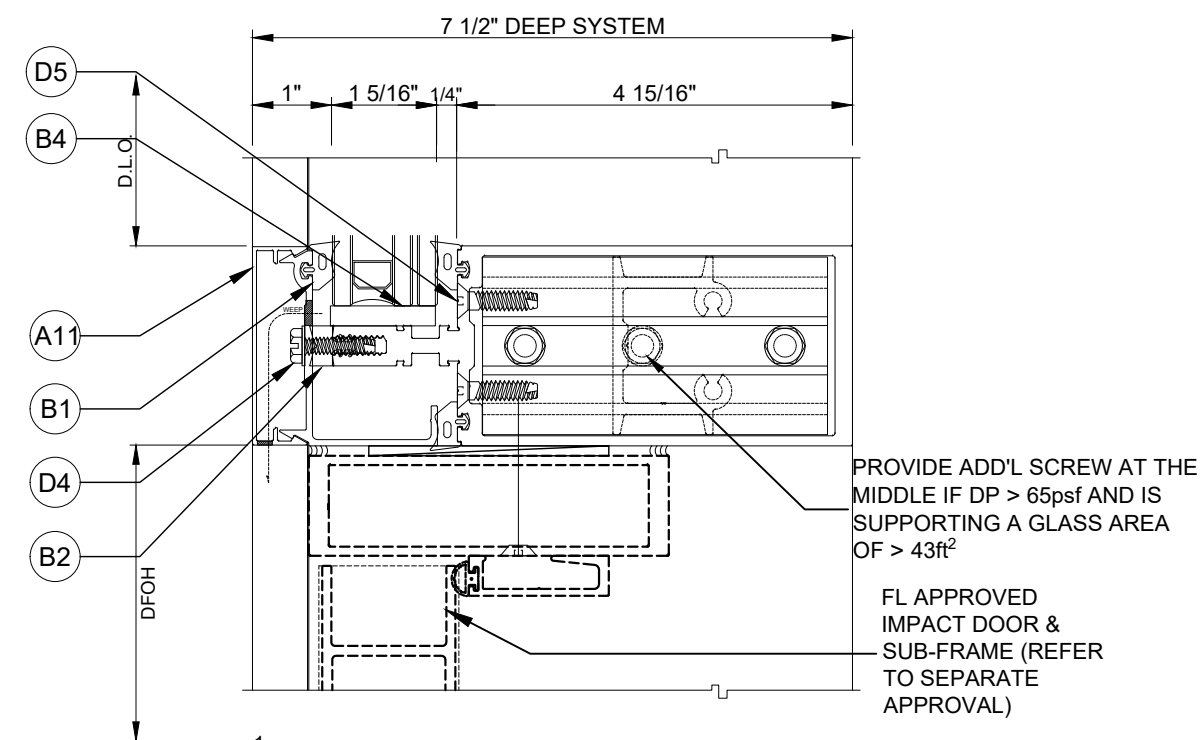
**A** HEAD DETAIL AT CANTILEVER CONDITION  
SIMILAR CONDITION FOR 8200 SYSTEM



10 <sup>5</sup>/<sub>16</sub>" DEEP SYSTEM (SB751 SERIES)



7 <sup>3</sup>/<sub>4</sub>" DEEP SYSTEM (SB751 SERIES)



7 <sup>1</sup>/<sub>2</sub>" DEEP SYSTEM (8200 SERIES)

**B** DOOR HEADER & SUB-FRAME INTERFACE



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PRODUCT:

**SB751 Impact  
Curtainwall System  
HVHZ - LMI**



| REV. | DATE/REMARKS                          |
|------|---------------------------------------|
| 1    | 07/19/25 TWIN-SPANS<br>QUALIFICATIONS |
|      |                                       |
|      |                                       |
|      |                                       |

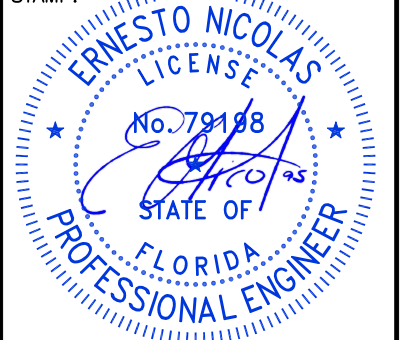
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FLORIDA PRODUCT APPROVAL:

**FL47297**

DATE: JAN. 27, 2025

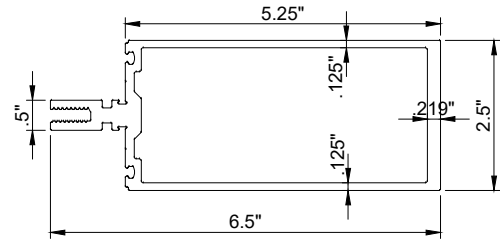
DRAWN: Bobi CHK: ESN

DRWG. No: 25FL-101 SCALE: NTS

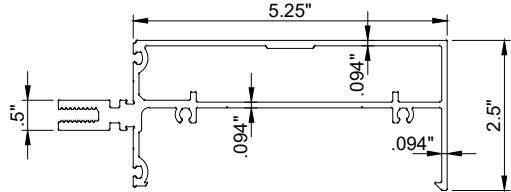
SHEET NO.:

**21 of 25**

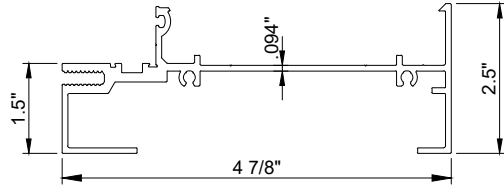
SB751 PARTS TABLE



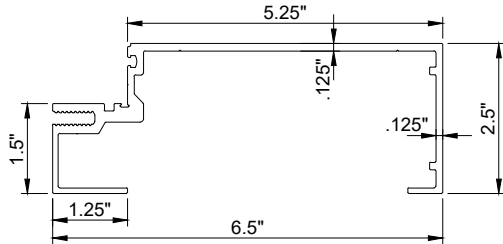
A1 SB750-1 VERTICAL/HORIZONTAL MULLION



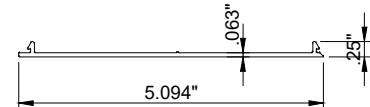
A2 SB750-7 HORIZONTAL MULLION



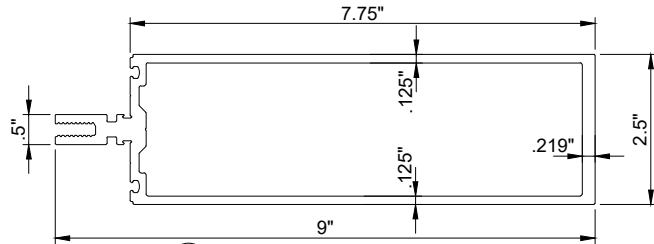
A3 SB750-8 HEAD / SILL



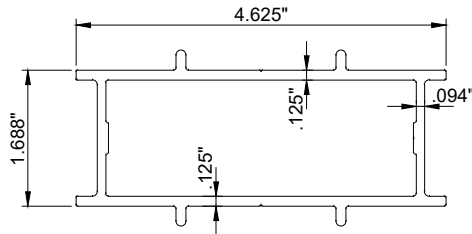
A4 SB750-4 OPEN BACK MULLION JAMB



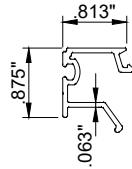
A5 SB750-9 FLAT FILLER



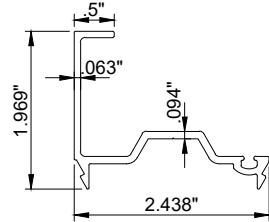
A6 SB750-29 DEEP MULLION



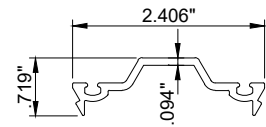
A7 81535/SB750-22 SPLICE SLEEVE/REINF



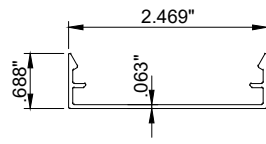
A8 SB750-20 GLAZING ADAPTER  
( $\frac{9}{16}$ " GLASS STOP)



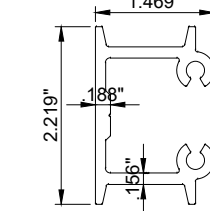
A9 SB751-10 PERIMETER PRESSURE BAR



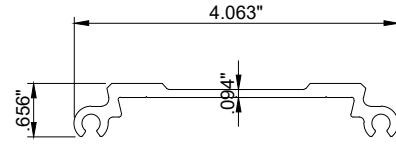
A10 SB751-11 PRESSURE BAR



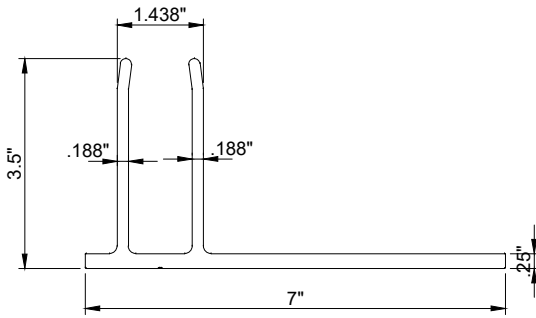
A11 SB750-12 COVER CAP



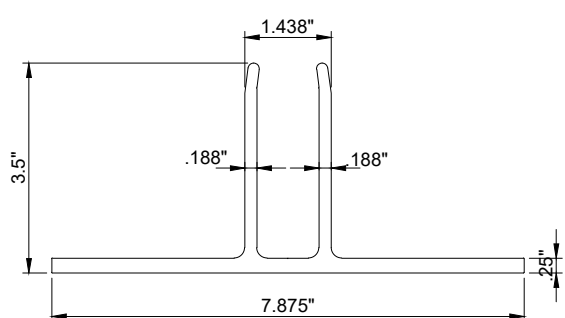
A12 81531 SHEAR CLIP  
FRONT-FACE ATTACHED



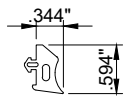
A13 81530 SHEAR CLIP



A14 'F' JAMB ANCHOR  
(REF. TO NOTE 2 OF SHT 21)



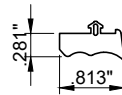
A15 'T' MULLION ANCHOR  
(REF. TO NOTE 2 OF SHT 21)



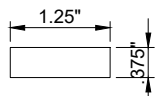
B1 05412 GLAZING GASKET



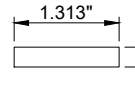
B2 05414 PRESSURE BAR GASKET



B3 05413 BACKING GASKET



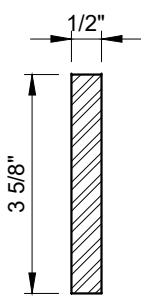
B4 H62M 1  $\frac{5}{16}$  SETTING BLOCK



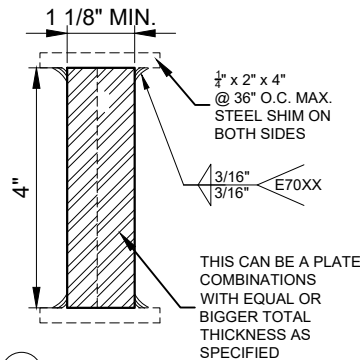
B5 H62F 1  $\frac{5}{16}$  SETTING BLOCK



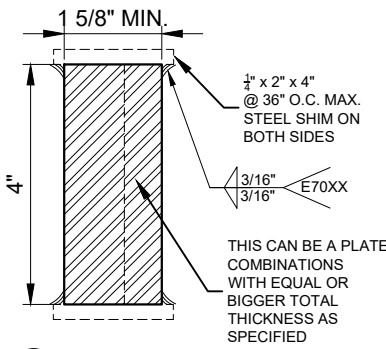
B6 H62D  $\frac{9}{16}$  SETTING BLOCK



C1 STEEL BAR  
GR. 50



C2 STEEL BAR  
GR. 50



C3 STEEL BAR  
GR. 50



D1 23022 ( $\frac{1}{4}$ "-20 x  $\frac{3}{4}$ " PPH-23 MS)  
HORIZONTAL TO SHEAR  
CLIP ATTACHMENT



D4 23020 ( $\frac{1}{4}$ "-20 x  $\frac{7}{8}$ " HKWSH)  
PRESSURE BAR SCREW



D2 23021 (#12-24 x 2" PP-23 MS)  
SHEAR CLIP TO VERTICAL  
ATTACHMENT



D5 23177 (#14 x 1" FHP MS 18-8 ST.)  
ATTACHMENT FOR HORIZONTAL  
TO SHEAR CLIP

D3 23261 ( $\frac{1}{4}$ "-20 x  $\frac{5}{8}$ " HWH)  
ATTACHMENT FOR  
VERTICAL TO SHEAR CLIP



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PRODUCT:

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Curtainwall System  
HVHZ - LMI



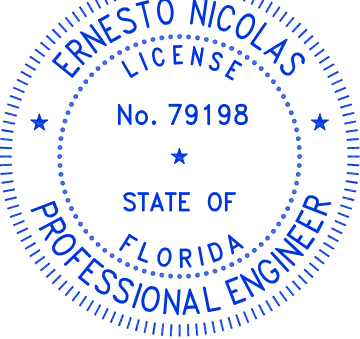
| REV. | DATE/REMARKS                          |
|------|---------------------------------------|
| 1    | 07/19/25 TWIN-SPANS<br>QUALIFICATIONS |
|      |                                       |
|      |                                       |
|      |                                       |

ENGINEER:



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950 SW 135th Way Sunrise,  
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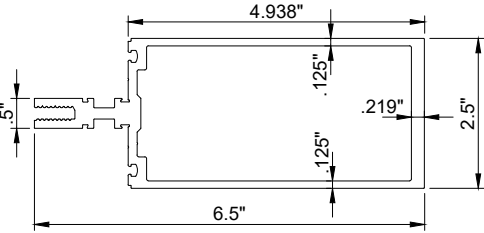
FL47297

|                    |               |
|--------------------|---------------|
| DATE:              | JAN. 27, 2025 |
| DRAWN: Bobi        | CHK: ESN      |
| DRWG. No: 25FL-101 | SCALE: NTS    |

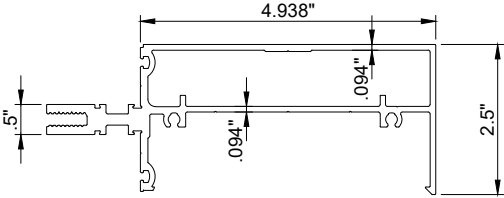
SHEET NO.:

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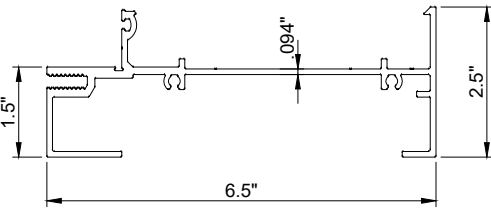
8200 PARTS TABLE (OPTION)



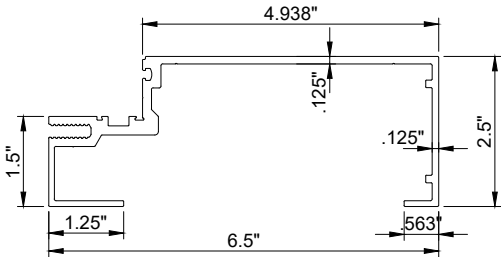
AO1 82501 VERTICAL MULLION



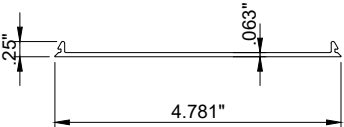
AO2 82503 HEAD/SILL/HORIZONTAL MULLION



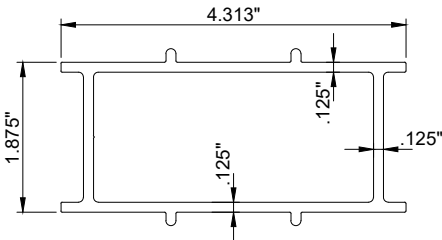
AO3 82508 HEAD / SILL



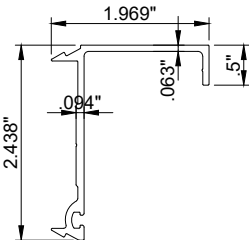
AO4 82504 OPEN BACK MULLION JAMB



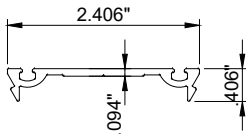
AO5 82505 FLAT FILLER



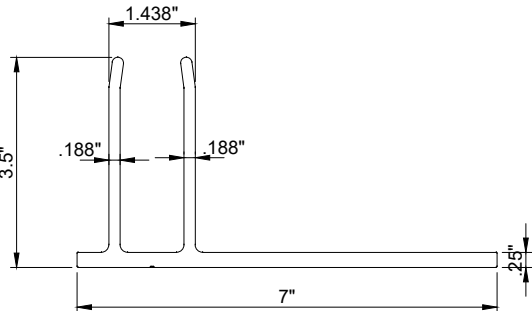
AO7 82535 SPLICE SLEEVE/REINF



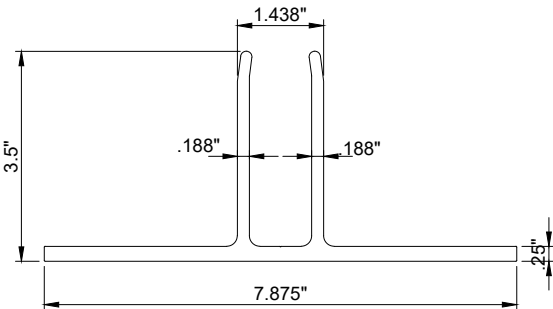
AO9 SB750-10 PER. PRESS. PLATE



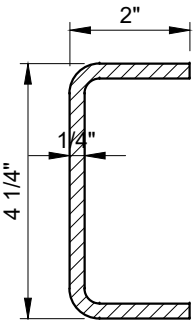
AO10 SB750-11 PRESSURE BAR



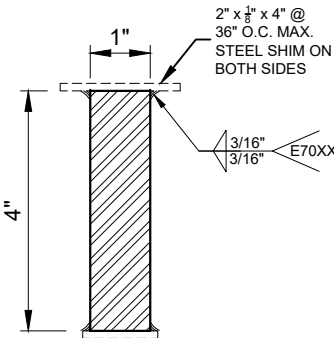
AO11 'F' JAMB ANCHOR  
(REF. TO NOTE 2 OF SHT. 14)



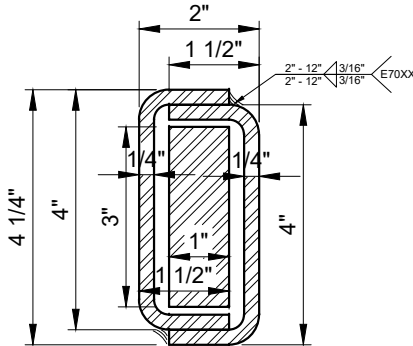
AO12 'T' MULLION ANCHOR  
(REF. TO NOTE 2 OF SHT. 14)



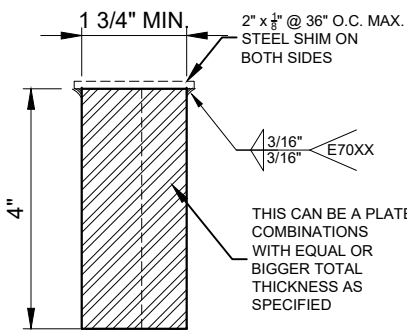
X1 ST824 - STEEL CHANNEL  
GR. 50



X2 STEEL BAR  
GR. 50



X3 ST821 - DBL. STL. CHANNEL  
WITH BAR (GR. 50)



X4 STEEL BAR  
GR. 50



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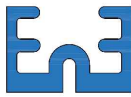
PRODUCT:

SB751 Impact  
Curtainwall System  
HVHZ - LMI



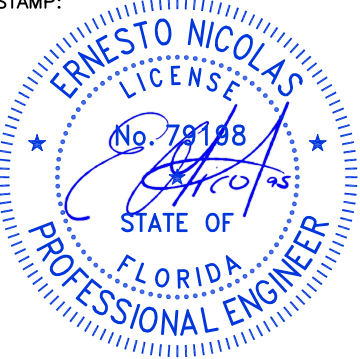
| REVN. | DATE/REMARKS                          |
|-------|---------------------------------------|
| 1     | 07/19/25 TWIN-SPANS<br>QUALIFICATIONS |
|       |                                       |
|       |                                       |
|       |                                       |

ENGINEER:



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

STAMP:



FLORIDA PRODUCT APPROVAL:

FL47297

DATE: JAN. 27, 2025

DRAWN: Bobi CHK: ESN

DRWG. No: 25FL-101 SCALE: NTS

SHEET NO.:

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SB751 BILL OF MATERIALS

| ALUMINUM EXTRUSIONS      |                  |                                                   |                  |              |
|--------------------------|------------------|---------------------------------------------------|------------------|--------------|
| ITEM NO.                 | PART NUMBER      | DESCRIPTION                                       | MATERIAL         | MANUFACTURER |
| A 1                      | SB750-1          | VERTICAL/HORIZONTAL MULLION                       | 6063-T6 ALUM     | TRULITE      |
| A 2                      | SB750-7          | HORIZONTAL MULLION                                | 6063-T6 ALUM     | TRULITE      |
| A 3                      | SB750-8          | HEAD/SILL                                         | 6063-T6 ALUM     | TRULITE      |
| A 4                      | SB750-4          | OPEN BACK JAMB                                    | 6063-T6 ALUM     | TRULITE      |
| A 5                      | SB750-9          | FLAT FILLER                                       | 6063-T6 ALUM     | TRULITE      |
| A 6                      | SB750-29         | DEEP MULLION                                      | 6063-T6 ALUM     | TRULITE      |
| A 7                      | 81535 / SB750-22 | SPLICE SLEEVE/REINF.                              | 6063-T6 ALUM     | TRULITE      |
| A 8                      | SB750-20         | GLAZING ADAPTER (9/16" GLASS)                     | 6063-T6 ALUM     | TRULITE      |
| A 9                      | SB751-10         | PERIMETER PRESSURE BAR                            | 6063-T6 ALUM     | TRULITE      |
| A 10                     | SB751-11         | PRESSURE BAR                                      | 6063-T6 ALUM     | TRULITE      |
| A 11                     | SB750-12         | COVER CAP                                         | 6063-T6 ALUM     | TRULITE      |
| A 12                     | 81531            | SHEAR CLIP FRONT FACE ATTACHED                    | 6063-T6 ALUM     | TRULITE      |
| A 13                     | 81530            | SHEAR CLIP                                        | 6063-T6 ALUM     | TRULITE      |
| A 14                     | -                | 'F' JAMB ANCHOR                                   | 6063-T6 ALUM     | TRULITE      |
| A 15                     | -                | 'T' MULLION ANCHOR                                | 6063-T6 ALUM     | TRULITE      |
| GASKETS & SETTING BLOCKS |                  |                                                   |                  |              |
| ITEM NO.                 | PART NUMBER      | DESCRIPTION                                       | MATERIAL         | MANUFACTURER |
| B 1                      | 05412            | GLAZING GASKET                                    | EPDM             | TRULITE      |
| B 2                      | 05414            | PRESSURE BAR GASKET                               | EPDM             | TRULITE      |
| B 3                      | 05413            | BACKING GASKET                                    | EPDM             | TRULITE      |
| B 4                      | H62M             | 1 5/16" SETTING BLOCK                             | EPDM             | TRULITE      |
| B 5                      | H62F             | 1 5/16" SETTING BLOCK                             | EPDM             | TRULITE      |
| B 6                      | H62D             | 9/16" SETTING BLOCK                               | EPDM             | TRULITE      |
| B 7                      | SB750-8          | END PLUG                                          | CLOSED CELL FOAM | TRULITE      |
| MISCELLANEOUS PARTS      |                  |                                                   |                  |              |
| ITEM NO.                 | PART NUMBER      | DESCRIPTION                                       | MATERIAL         | MANUFACTURER |
| C 1                      | V2108            | GLAZING TAPE                                      | FOAM TAPE        | VARIES       |
| C 2                      | —                | DOWSIL 995                                        | SILICONE         | DOWSIL       |
| C 3                      | —                | PROGLAZE SSG                                      | SILICONE         | TREMCO       |
| C 4                      | —                | SIKASIL SG - 10                                   | SILICONE         | SIKA         |
| C 5                      | —                | ALUMINUM GLASS SPACER                             | ALUMINUM         | VARIES       |
| C 10                     | —                | 1/2" x 3 5/8" STEEL BAR                           | GR. 50 STEEL     | VARIES       |
| C 11                     | —                | 1 1/8" x 4" STEEL BAR<br>(CAN BE BAR COMBINATION) | GR. 50 STEEL     | VARIES       |
| C 12                     | —                | 1 5/8" x 4" STEEL BAR<br>(CAN BE BAR COMBINATION) | GR. 50 STEEL     | VARIES       |

| SCREWS   |             |                                                                |                          |              |
|----------|-------------|----------------------------------------------------------------|--------------------------|--------------|
| ITEM NO. | PART NUMBER | DESCRIPTION                                                    | MATERIAL                 | MANUFACTURER |
| D 1      | 23022       | (1/4"-20 x 3/4" PPH-23 MS) HORIZONTAL TO SHEAR CLIP ATTACHMENT | ZINC COATED STEEL        | VARIES       |
| D 2      | 23021       | (#12-24 x 2" PPH-23 MS) SHEAR CLIP TO VERTICAL ATTACHMENT      | ZINC COATED STEEL, GR. 5 | VARIES       |
| D 3      | 23261       | (1/4"-20 x 5/8" HWH) ATTACHMENT FOR VERTICAL SHEAR CLIP        | ZINC COATED STEEL, GR. 5 | VARIES       |
| D 4      | 23020       | (1/4"-20 x 7/8" HKWSH) PRESSURE BAR SCREW                      | ZINC COATED STEEL, GR. 5 | VARIES       |
| D 5      | 23177       | (#14 x 1" FHP MS) ATTACHMENT FOR HORIZONTAL TO SHEAR CLIP      | STAINLESS STEEL, 18-8    | VARIES       |
| D 6      | 23079       | (#10 - 24 x 1" UPFH-F MS) SPLICE SLEEVE ATTACHMENT TO          | ZINC COATED STEEL        | VARIES       |

8200 BILL OF MATERIALS (OPTIONS)

| ALUMINUM EXTRUSIONS |             |                                        |              |              |
|---------------------|-------------|----------------------------------------|--------------|--------------|
| ITEM NO.            | PART NUMBER | DESCRIPTION                            | MATERIAL     | MANUFACTURER |
| O 1                 | 82501       | VERTICAL/HORIZONTAL MULLION (OPTION)   | 6063-T6 ALUM | TRULITE      |
| O 2                 | 82503       | HEAD/SILL/HORIZONTAL MULLION           | 6063-T6 ALUM | TRULITE      |
| O 3                 | 82508       | OPEN BACK HEAD & SILL                  | 6063-T6 ALUM | TRULITE      |
| O 4                 | 82504       | OPEN BACK JAMB                         | 6063-T6 ALUM | TRULITE      |
| O 5                 | 82504       | OPEN BACK JAMB                         | 6063-T6 ALUM | TRULITE      |
| O 6                 | 82505       | FLAT FILLER                            | 6063-T6 ALUM | TRULITE      |
| O 7                 | 82535       | SPLICE SLEEVE/REINF.                   | 6063-T6 ALUM | TRULITE      |
| O 8                 | SB750-29    | DEEP MULLION                           | 6063-T6 ALUM | TRULITE      |
| O 9                 | SB750-10    | PERIMETER PRESSURE BAR                 | 6063-T6 ALUM | TRULITE      |
| O 10                | SB750-11    | PRESSURE BAR                           | 6063-T6 ALUM | TRULITE      |
| O 11                | -           | 'F' JAMB ANCHOR                        | 6063-T6 ALUM | TRULITE      |
| O 12                | -           | 'T' MULLION ANCHOR                     | 6063-T6 ALUM | TRULITE      |
| REINFORCEMENTS      |             |                                        |              |              |
| ITEM NO.            | PART NUMBER | DESCRIPTION                            | MATERIAL     | MANUFACTURER |
| X 1                 | ST824       | 2" x 4" x 1/4" STEEL CHANNEL           | GR. 50 STEEL | VARIES       |
| X 2                 | ST824a      | 1" x 4" STEEL BAR                      | GR. 50 STEEL | VARIES       |
| X 3                 | ST821       | 1 1/2" x 4" x 1/4" DBL. CHANNEL W/ BAR | GR. 50 STEEL | VARIES       |
| X 4                 | ST821a      | 1 3/4" x 4" STEEL BAR                  | GR. 50 STEEL | VARIES       |



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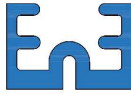
PRODUCT:

SB751 Impact  
Curtainwall System  
HVHZ - LMI



| REVN. | DATE/REMARKS                       |
|-------|------------------------------------|
| 1     | 07/19/25 TWIN-SPANS QUALIFICATIONS |
|       |                                    |
|       |                                    |
|       |                                    |

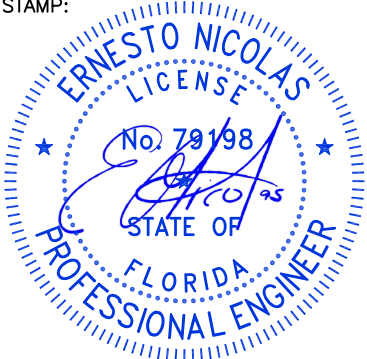
ENGINEER:



En3 Engineering & Consultancy

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

STAMP:



FLORIDA PRODUCT APPROVAL:

FL47297

DATE: JAN. 27, 2025

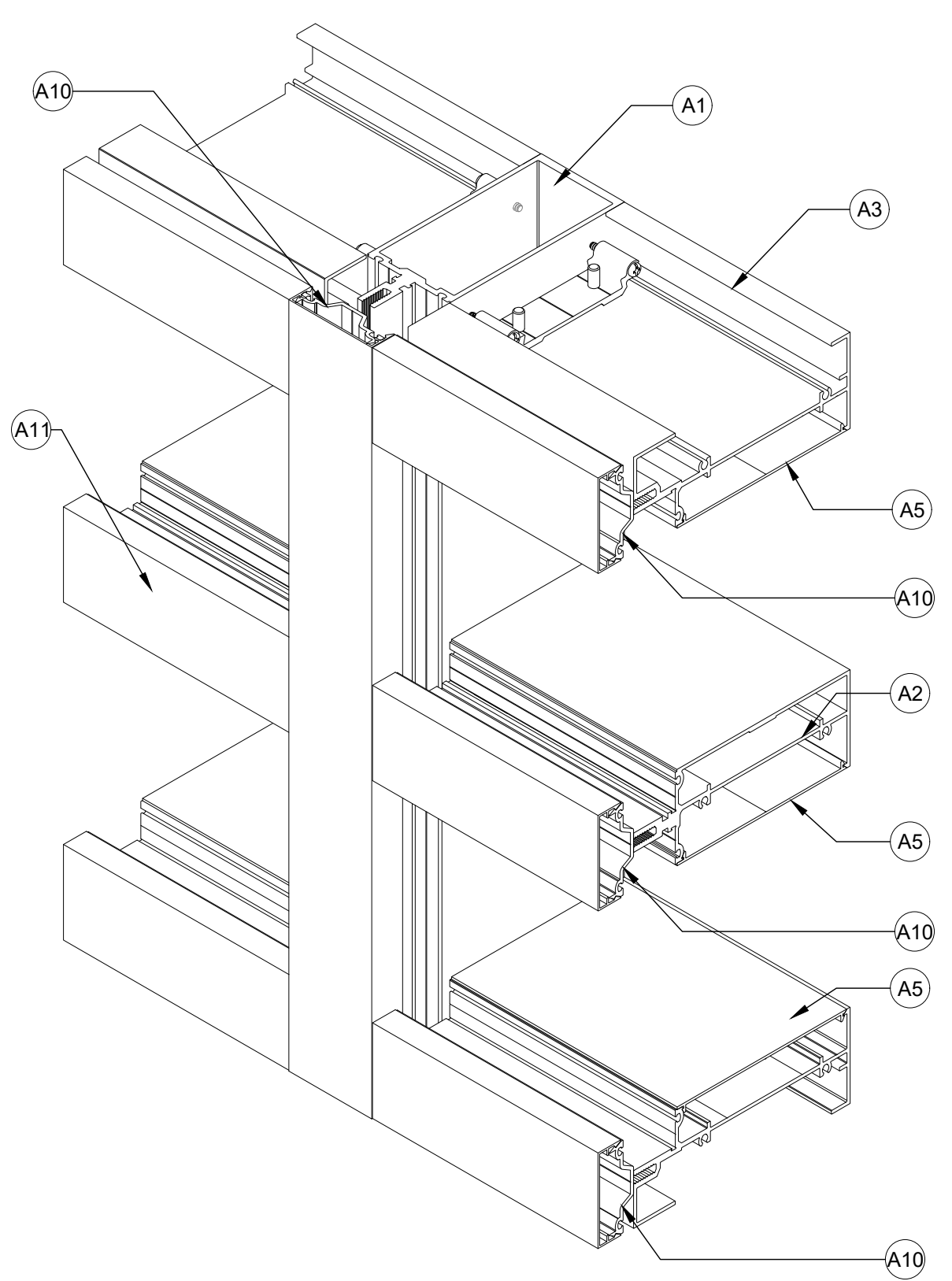
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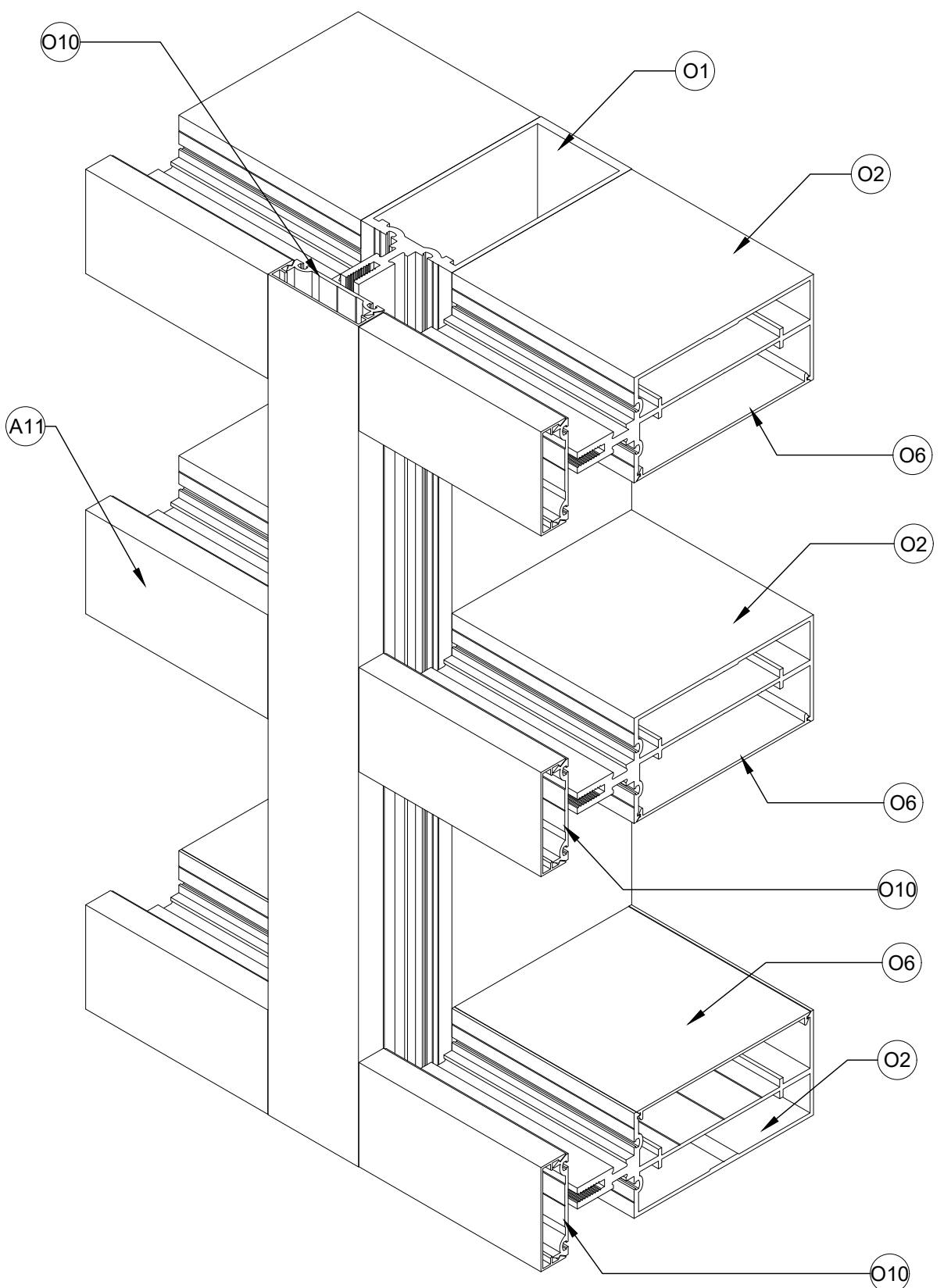
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7 3/4" DEEP SYSTEM (SB751 SERIES)



7 1/2" DEEP SYSTEM (8200 SERIES)

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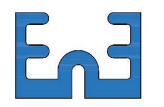
SB751 Impact  
Curtainwall System  
HVHZ - LMI



PRODUCT SERIES

| REVN. | DATE/REMARKS                          |
|-------|---------------------------------------|
| 1     | 07/19/25 TWIN-SPANS<br>QUALIFICATIONS |
|       |                                       |
|       |                                       |
|       |                                       |

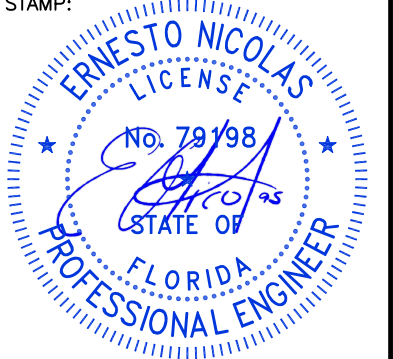
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