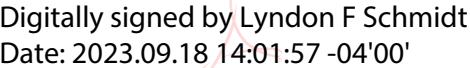




## GENERAL NOTES

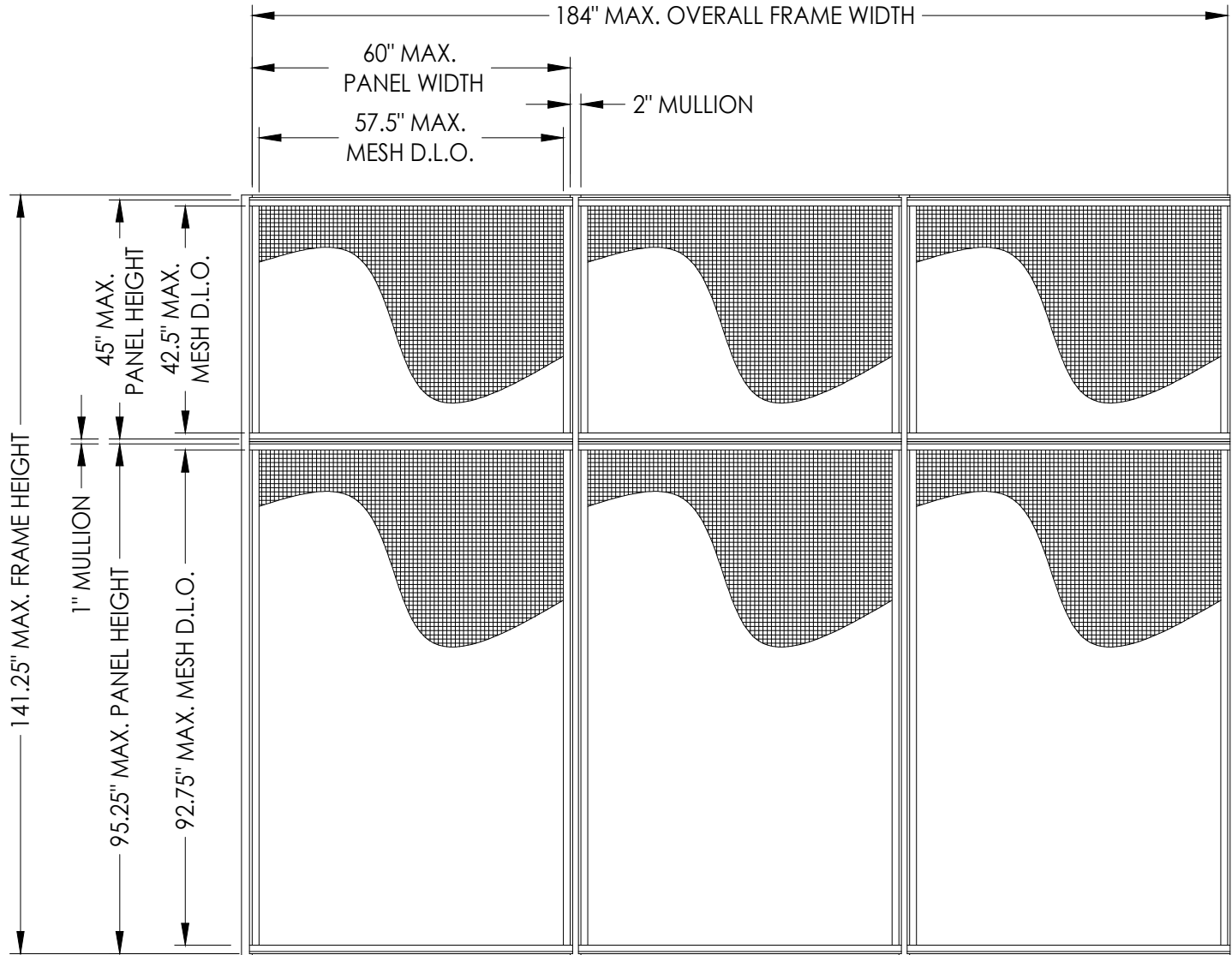
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. The system detailed is generic and does not provide specific information for a specific site. The Architect or Engineer of Record is responsible for providing site specific drawings to verify the adequacy of the existing structure to withstand the superimposed loads.
3. The vertical mullions shown in this drawing are not designed to support vertical loading and shall not be used to support any additional loading from a roof structure or roof framing.
4. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
5. When used in the HVHZ, this product complies with Section 1626 of the FBC and does not require an impact resistant covering.
6. When used in areas requiring wind borne debris protection, this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
7. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
8. All steel shall be protected as specified in Section 2222.6 of the FBC.

| TABLE OF CONTENTS |                                                     |
|-------------------|-----------------------------------------------------|
| SHEET #           | DESCRIPTION                                         |
| 1                 | Typical Elevation, Design Pressures & General Notes |
| 2                 | Elevaton & Screen Details                           |
| 3                 | Vertical Cross Sections                             |
| 4                 | Horizontal Cross Sections                           |
| 5                 | Frame Anchoring                                     |
| 6                 | Bill of Materials & Components                      |



This item has been digitally signed and sealed by  
**L. F. Schmidt, P.E.** on the date adjacent to the seal.  
Printed copies of this document are not  
considered signed and sealed and the signature  
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID  
ONLY FOR THE STATE OF FLORIDA



HURRICANE SCREEN SHOWN AS TESTED (3 PANELS WIDE)  
(MULTIPLE PANELS MAY BE ADDED IN THE HORIZONTAL DIRECTION ONLY)

| MAX OVERALL<br>PANEL<br>DIMENSION | MAX MESH<br>D.L.O.<br>DIMENSION | DESIGN PRESSURE (PSF) |          |
|-----------------------------------|---------------------------------|-----------------------|----------|
|                                   |                                 | POSITIVE              | NEGATIVE |
| 60.0" X 95.25"                    | 57.5" X 92.75"                  | +50.0                 | -50.0    |

Documents Prepared By:  
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FBPE Registry No. 9813

CT:

**PART OR ASSEMBLY:**  
TYPICAL ELEVATION, DESIGN  
PRESSURES & GENERAL NOTES

[illegible]

DATE: 4/11/19

SCALE: *N.T.S.*

DWG. BY: *LFS*

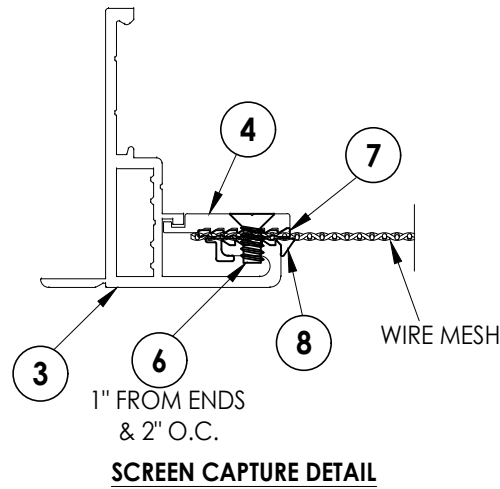
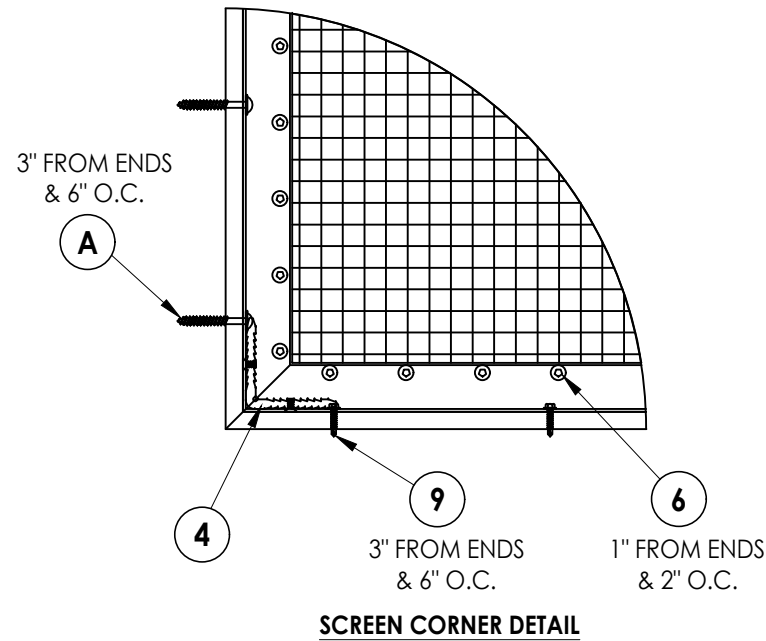
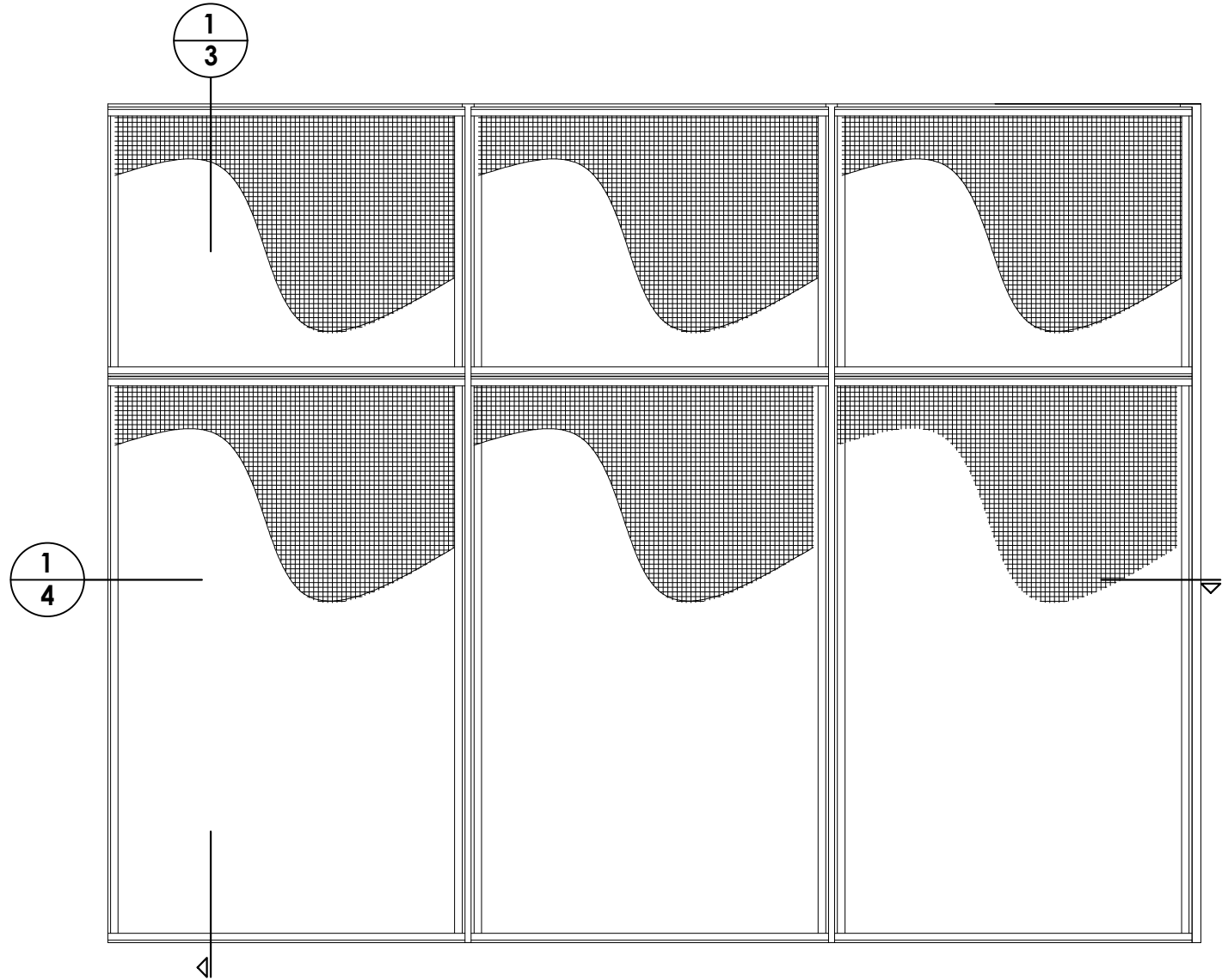
CHK. BY: *RW*

DRAWING NO.:

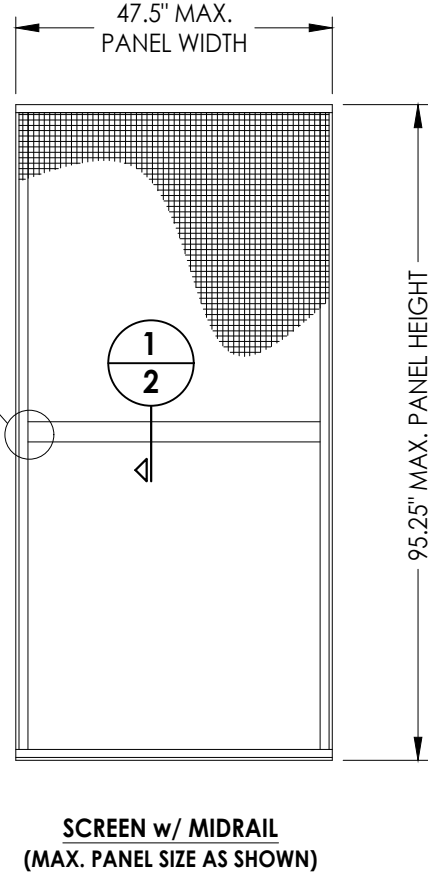
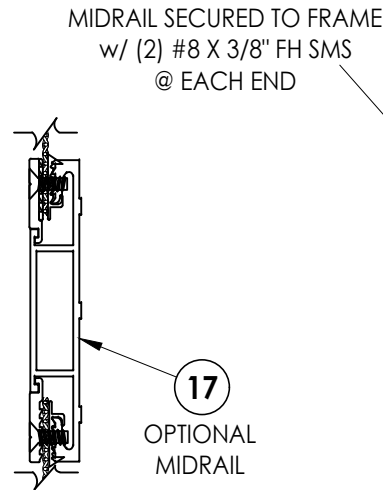
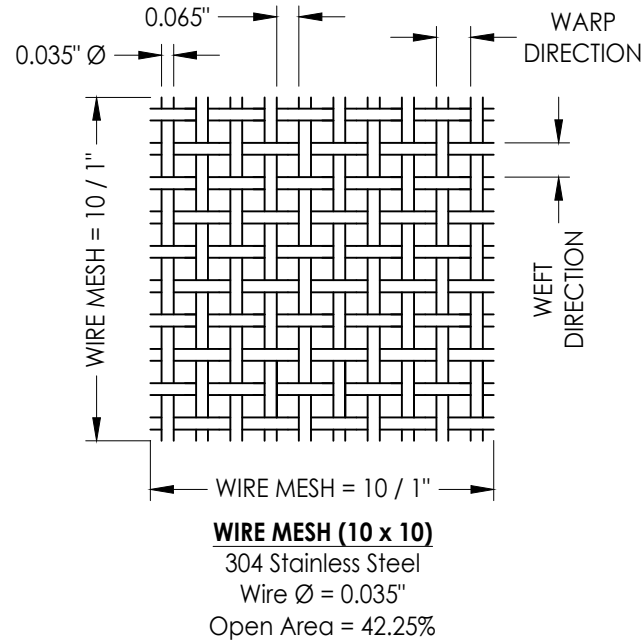
FL-29455.3

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**1/2 VERTICAL CROSS SECTION**



DATE: 4/11/19  
SCALE: N.T.S.  
DWG. BY: LFS  
CHK. BY: RW  
DRAWING NO.: FL-29455.3  
SHEET 2 OF 6

| NO. | DATE    | REVISIONS                    |
|-----|---------|------------------------------|
| 2   | 9/18/23 | UPDATE TO 8TH ED. (2023) FBC |
| 1   | 8/13/20 | UPDATE TO 7th ED. (2020) FBC |
|     |         | BY                           |

PRODUCT: HURRICANE SCREEN  
PART OR ASSEMBLY: ELEVATION & SCREEN DETAILS

Documents Prepared By:  
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| MIN. SEPARATION FROM GLASS PANEL  |            |      |
|-----------------------------------|------------|------|
| PANELS w/<br>VERTICAL<br>MULLIONS | "NON-HVHZ" | 2"   |
|                                   | "HVHZ"     | 2"   |
| SINGLE PANEL<br>w/out MULLION     | "NON-HVHZ" | 4.5" |
|                                   | "HVHZ"     | 4.5" |

| <div style="display: flex; align-items: center;"> <div style="border: 1px solid black; border-radius: 50%; width: 30px; height: 30px; display: flex; align-items: center; justify-content: center; margin-right: 10px;">B</div> <div>MULLION BRACKET ANCHOR SCHEDULE</div> </div> |                                                                                                                                        |                                                                           |               |                          |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------|--------------------------|
| SUBSTRATE                                                                                                                                                                                                                                                                         | ANCHOR                                                                                                                                 | EMBEDMENT                                                                 | EDGE DISTANCE | CENTER-TO-CENTER SPACING |
| WOOD                                                                                                                                                                                                                                                                              | #10 X 1-1/2" PWH<br>SHEET METAL SCREW<br>         | 1-1/4" MIN.                                                               | 1-3/8" MIN.   | 1-1/2" MIN.              |
| CONCRETE                                                                                                                                                                                                                                                                          | 1/4" Ø HWH<br>DeWALT ULTRA <sup>®</sup> CON+<br>  | 1-3/4" MIN.                                                               | 2-1/2" MIN.   | 1-5/8" MIN.              |
| STEEL/ALUM                                                                                                                                                                                                                                                                        | #12-14 HWH SELF-DRILLING<br>SHEET METAL SCREW<br> | A MIN. OF 3 THREADS<br>SHALL PROTRUDE THROUGH<br>THE STEEL/ALUM SUBSTRATE | 1-3/8" MIN.   | 1-1/2" MIN.              |

WOOD FRAMING (G >= 0.42)  
CONCRETE CONFORMING TO ACI 301 (3,000 PSI MIN.)  
STEEL OR ALUMINUM FRAMING (MIN. 1/8" WALL THICKNESS - BY OTHERS)

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|                   |                            |
|-------------------|----------------------------|
| PRODUCT:          | HURRICANE SCREEN           |
| PART OR ASSEMBLY: | VERTICAL<br>CROSS SECTIONS |

|     |         |                   |        |     |     |           |
|-----|---------|-------------------|--------|-----|-----|-----------|
|     |         |                   |        |     |     |           |
|     |         |                   |        |     |     |           |
|     |         |                   |        |     |     |           |
|     |         |                   |        |     |     |           |
| 2   | 9/18/23 | UPDATE TO 8TH ED. | (2023) | FBC | LFS |           |
| 1   | 8/13/20 | UPDATE TO 7th ED. | (2020) | FBC | DAC |           |
| NO. | DATE    |                   |        |     | BY  |           |
|     |         |                   |        |     |     | REVISIONS |

DATE: 4/11/19

SCALE: *N.T.S.*

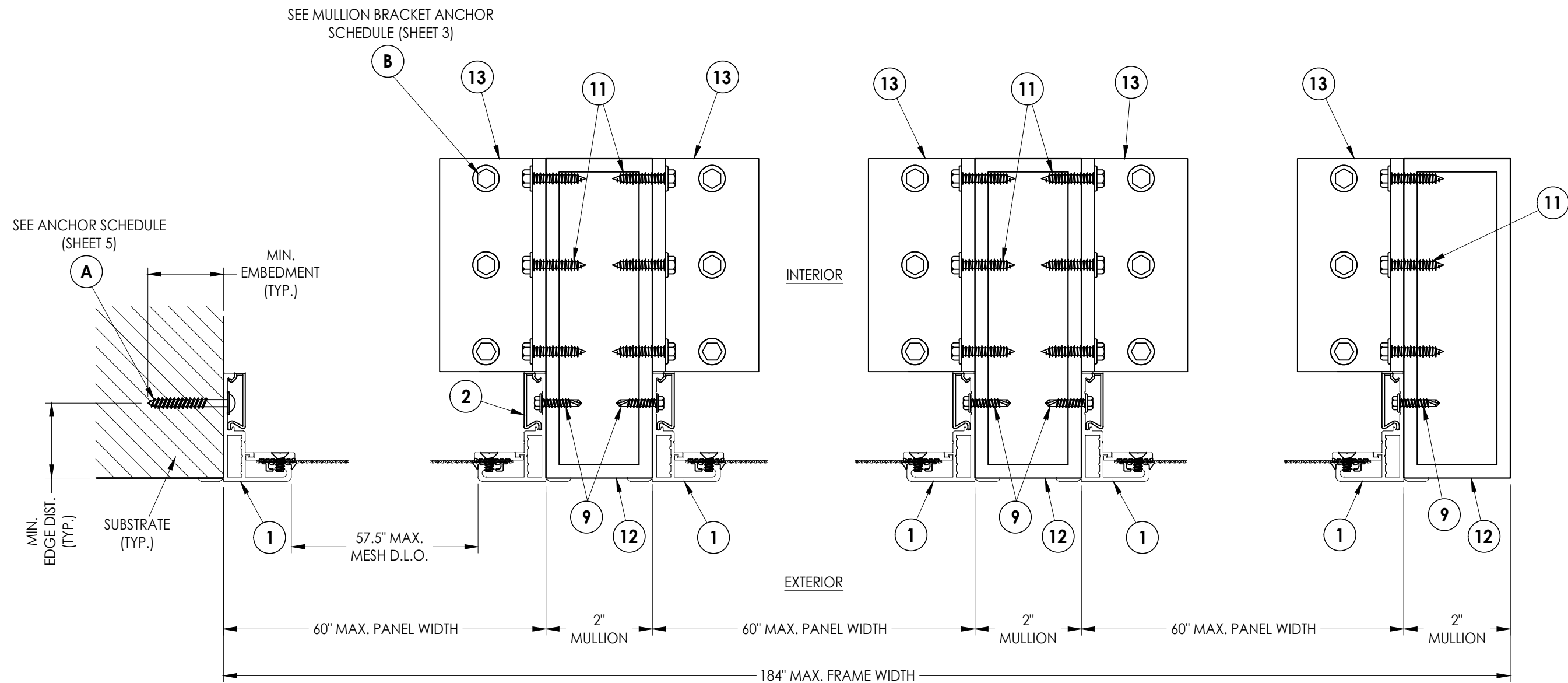
DWG. BY: *LFS*

CHK. BY: RW

|              |
|--------------|
| DRAWING NO.: |
|--------------|

FL-29455.3

SHEET 3 OF 6



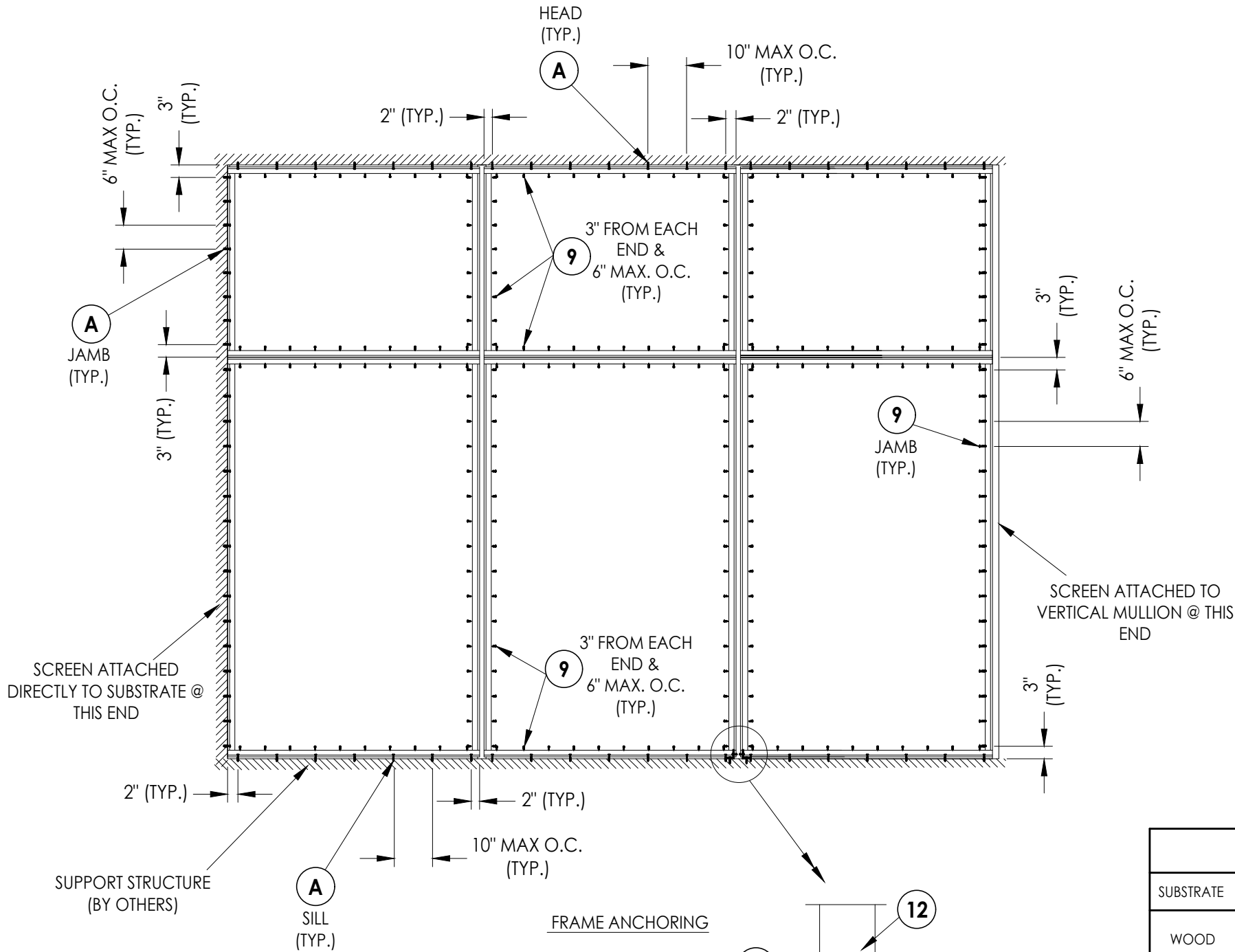
**1** HORIZONTAL CROSS SECTION  
**4**

[illegible]

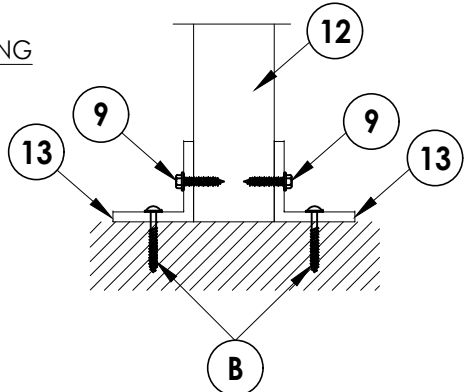
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

***R<sup>qW</sup>*** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
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FRAME ANCHORING



MULLION ANCHOR DETAIL

NOTE: (2) MULLION ANCHOR BRACKETS w/ (6 TOTAL) MULLION ANCHORS  
REQUIRED @ EACH END OF EACH VERTICAL MULLION (TYP.)  
SEE SHEET 3 FOR MULLION BRACKET ANCHOR SCHEDULE

**A** ANCHOR SCHEDULE

| SUBSTRATE                 | ANCHOR                                                                                                                                 | EMBEDMENT                                                                 | EDGE DISTANCE | CENTER-TO-CENTER<br>SPACING |
|---------------------------|----------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------|---------------|-----------------------------|
| WOOD                      | #10 X 1-1/2" PWH<br>SHEET METAL SCREW<br>         | 1-1/4" MIN.                                                               | 1" MIN.       | 1-1/2" MIN.                 |
| HOLLOW<br>BLOCK<br>(JAMB) | 3/16" Ø HWH<br>DeWALT ULTRA-CON <sup>®</sup><br>  | 1-1/4" MIN.                                                               | 1-1/4" MIN.   | 6" MIN.                     |
| CONCRETE<br>(HEAD/SILL)   | 1/4" Ø HWH<br>DeWALT ULTRA-CON <sup>®</sup><br>   | 1-3/4" MIN.                                                               | 2-1/2" MIN.   | 1-5/8" MIN.                 |
| STEEL/ALUM                | #10-14 HWH SELF-DRILLING<br>SHEET METAL SCREW<br> | A MIN. OF 3 THREADS<br>SHALL PROTRUDE THROUGH<br>THE STEEL/ALUM SUBSTRATE | 3/4" MIN.     | 1-1/2" MIN.                 |

WOOD FRAMING (G >= 0.42)  
CONCRETE CONFORMING TO ACI 301 (3,000 PSI MIN.)  
HOLLOW BLOCK (GROUT FILLED) CONFORMING TO ASTM C90  
STEEL OR ALUMINUM FRAMING (MIN. 1/8" WALL THICKNESS - BY OTHERS)

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Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT:  
HURRICANE SCREEN

PART OR ASSEMBLY:  
FRAME ANCHORING

| REVISIONS |         |     |                              |
|-----------|---------|-----|------------------------------|
| NO.       | DATE    | BY  | DESCRIPTION                  |
| 2         | 9/18/23 | LFS | UPDATE TO 8TH ED. (2023) FBC |
| 1         | 8/13/20 | DAC | UPDATE TO 7th ED. (2020) FBC |

DATE: 4/11/19

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-29455.3

SHEET 5 OF 6

