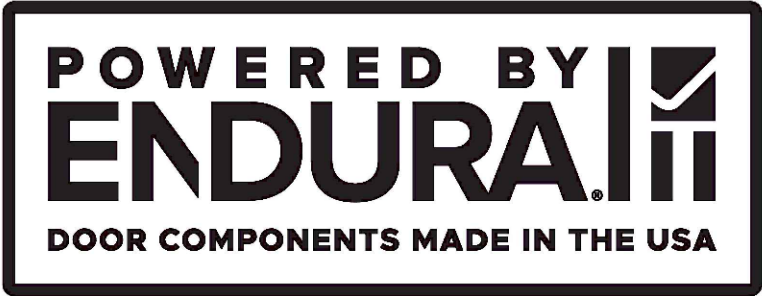


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Ultimate/Ultimate Compatible  
Hurricane Astragal  
INSWING / OUTSWING  
"NON-IMPACT"

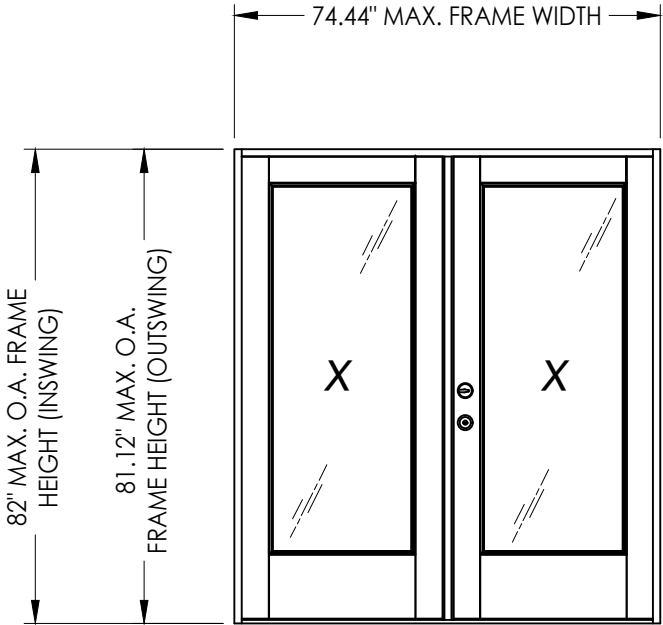
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. This product has been tested and is approved for use in the door panels as specified in this approval. Substitution into a similar product that possess a comparable current Florida Statewide product approval may be approved for use by the local Authority Having Jurisdiction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

| TABLE OF CONTENTS |                                                        |
|-------------------|--------------------------------------------------------|
| SHEET#            | DESCRIPTION                                            |
| 1                 | Typical elevations, design pressures and general notes |
| 2                 | Astragal details                                       |
| 3                 | Door panel details                                     |
| 4                 | Horizontal and vertical cross sections                 |
| 5                 | Threshold details                                      |
| 6                 | Buck and frame anchoring                               |

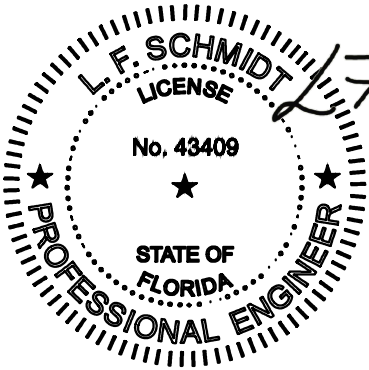


Ultimate/Ultimate Compatible  
Hurricane Astragal



| ULTIMATE/ULTIMATE COMPATIBLE HURRICANE ASTRAGAL by ENDURA |          |                 |                              |          |
|-----------------------------------------------------------|----------|-----------------|------------------------------|----------|
| MAXIMUM FRAME SIZE*                                       |          |                 | DESIGN PRESSURE RATING (PSF) |          |
|                                                           |          |                 | POSITIVE                     | NEGATIVE |
| THERMA-TRU<br>Insert Glazed<br>(STEEL)                    | INSWING  | 74.44" X 82"    | +50.0                        | -50.0    |
|                                                           | OUTSWING | 74.44" X 81.12" | +50.0                        | -50.0    |

\*NOTE: INCREASE THE MAXIMUM FRAME WIDTH BY 3/16" TO ACCOMODATE THE OPTIONAL ULTIMATE COMPATIBLE HURRICANE ASTRAGAL WHEN USED.



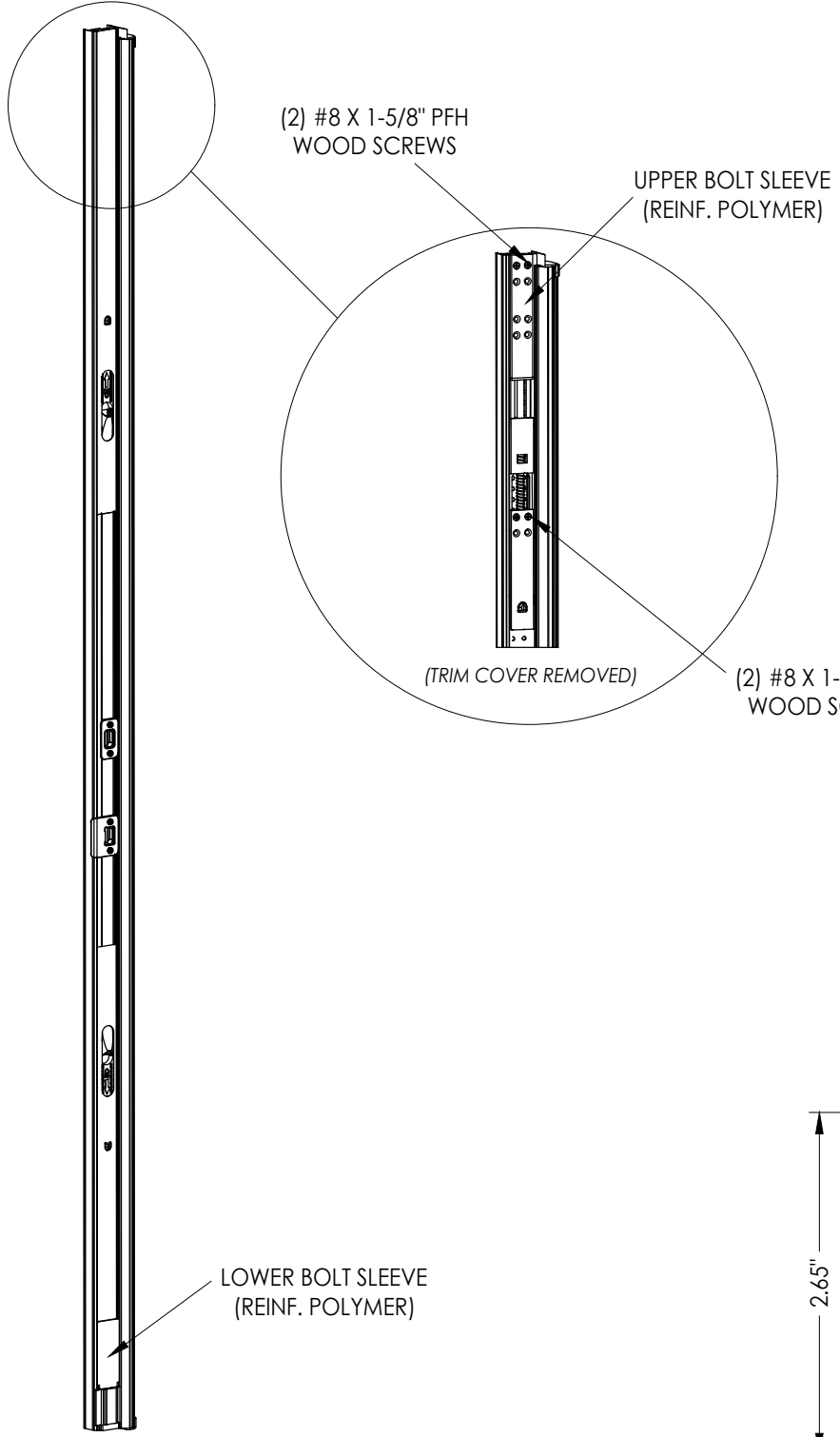
Digitally signed by Lyndon F Schmidt  
Date: 2026.07.18 10:57:16 -04'00'

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.

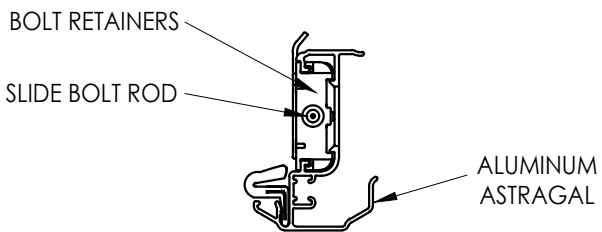
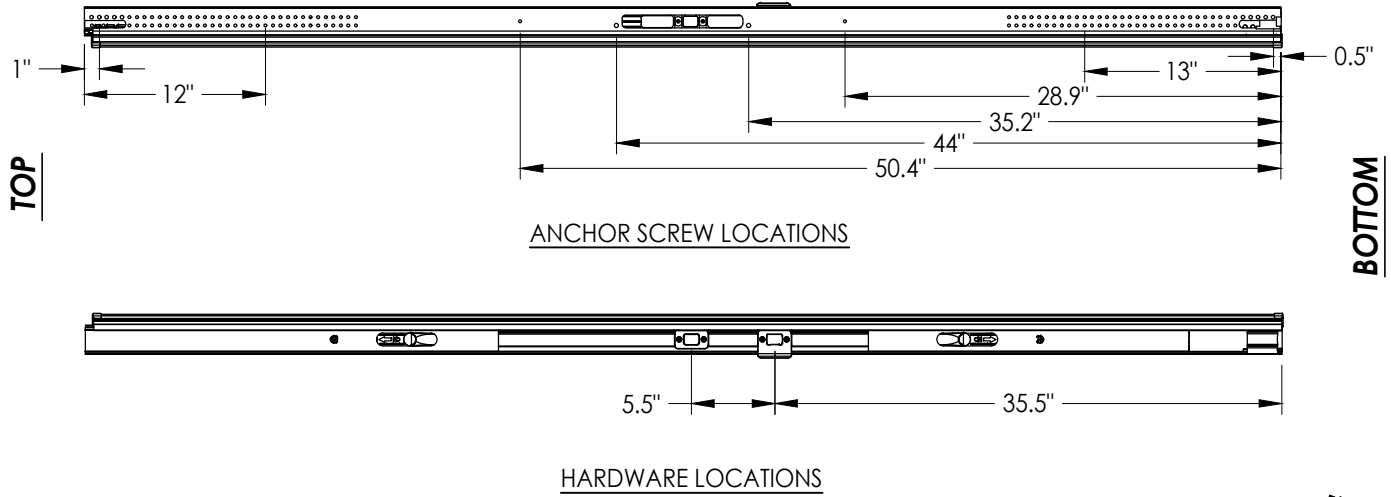
THIS PRODUCT APPROVAL IS VALID  
ONLY FOR THE STATE OF FLORIDA

|                                                               |         |                                                                                                                    |         |
|---------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------|---------|
| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409 |         | BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |         |
| PRODUCT: ENDURA                                               |         | PART OR ASSEMBLY:<br>TYPICAL ELEVATION, DESIGN<br>PRESSURES & GENERAL NOTES                                        |         |
| 8                                                             | 7/03/26 | UPDATE TO 9TH ED. (2026)                                                                                           | FBC LFS |
| 7                                                             | 7/07/23 | UPDATE TO 8TH ED. (2023)                                                                                           | FBC LFS |
| 6                                                             | 8/12/20 | UPDATE TO 7TH ED. (2020)                                                                                           | FBC LFS |
| NO.                                                           | DATE    | REVISIONS                                                                                                          |         |
| DATE: 10/24/13                                                |         |                                                                                                                    |         |
| SCALE: N.T.S.                                                 |         |                                                                                                                    |         |
| DWG. BY: JK                                                   |         |                                                                                                                    |         |
| CHK. BY: LFS                                                  |         |                                                                                                                    |         |
| DRAWING NO.: FL-16634.6                                       |         |                                                                                                                    |         |
| SHEET 1 OF 6                                                  |         |                                                                                                                    |         |

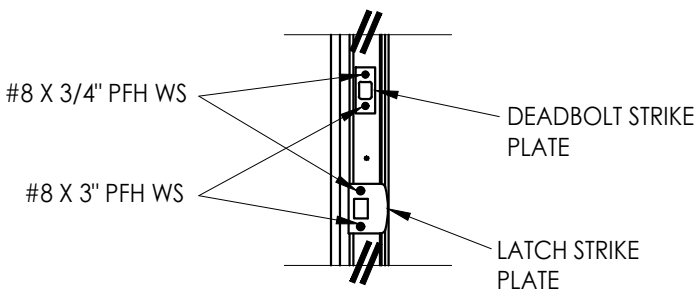
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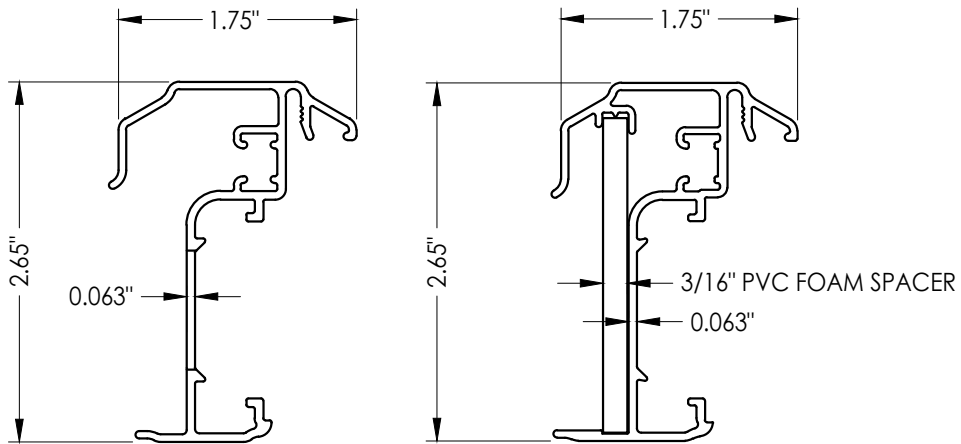
ULTIMATE/ULTIMATE COMPATIBLE  
HURRICANE ASTRAGAL



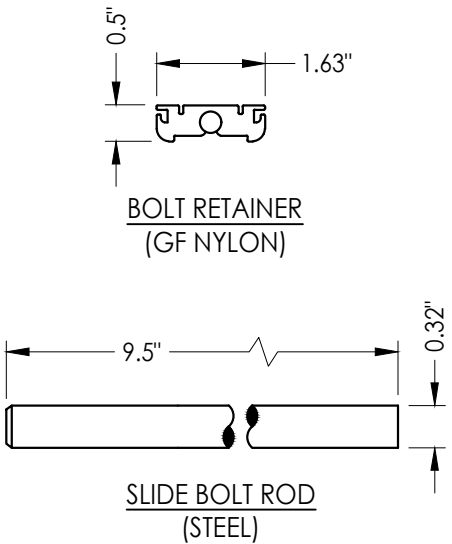
ALUMINUM ASTRAGAL ASSEMBLY



LATCH & DEADBOLT DETAIL

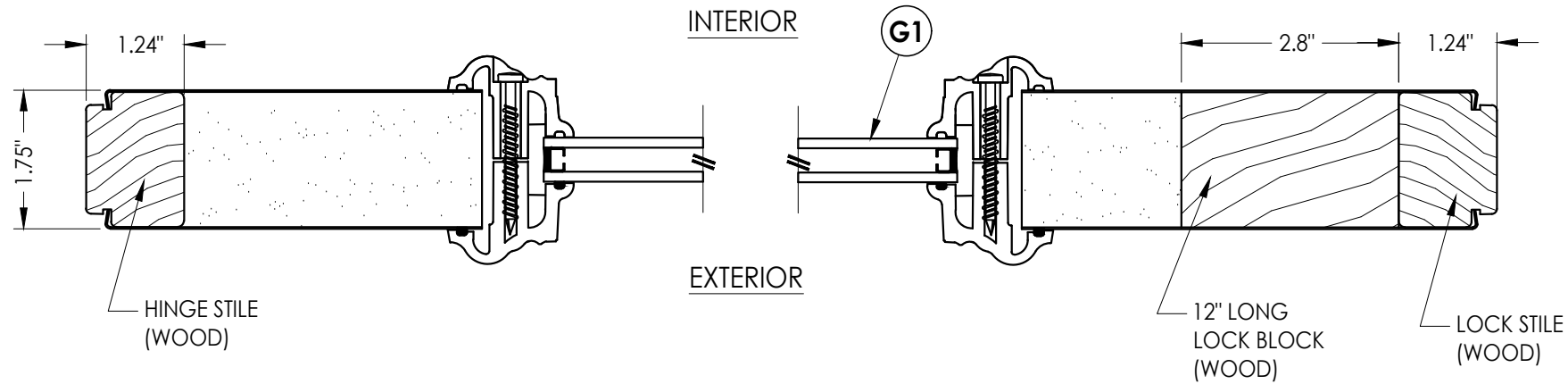


ASTRAGAL SECTIONS

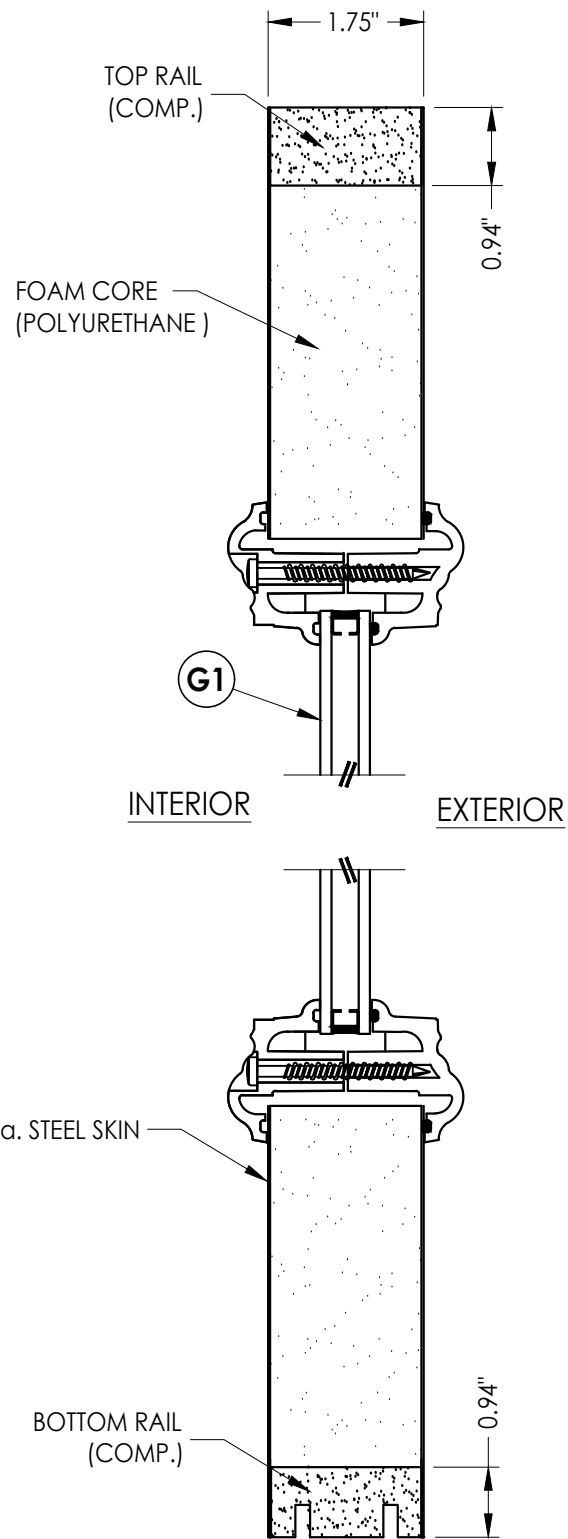
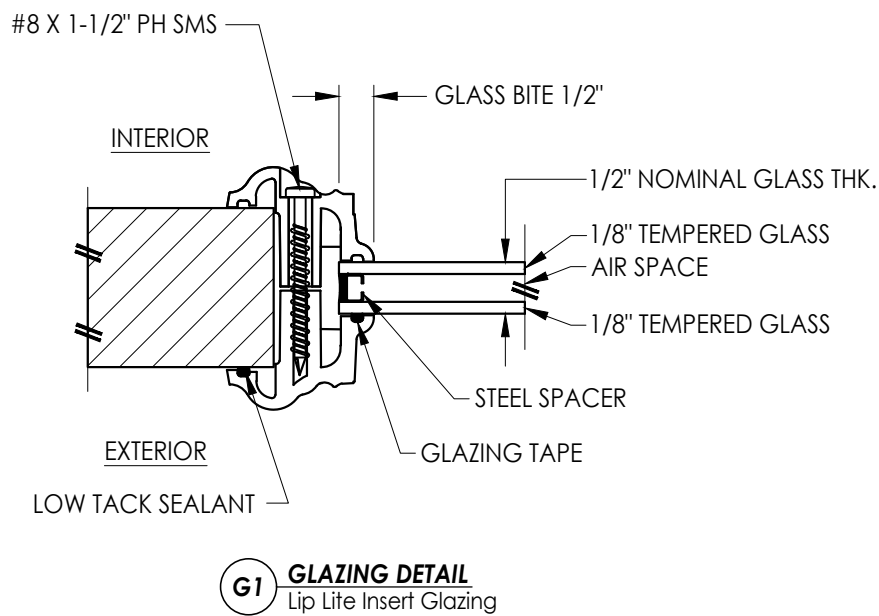
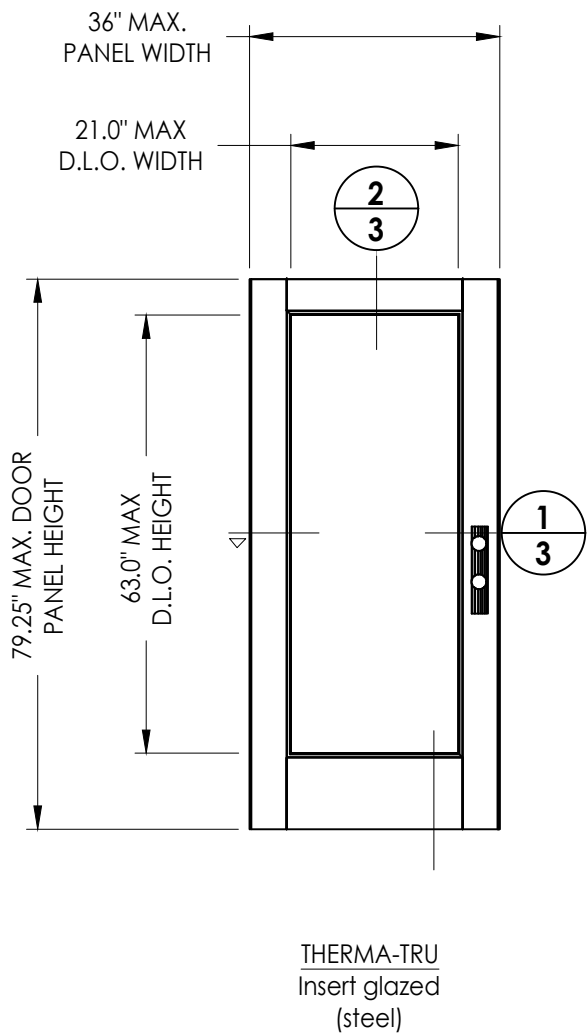


|                                                               |         |                                                                                                                    |     |
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| PRODUCT: ENDURA                                               |         | PART OR ASSEMBLY: ASTRAGAL DETAILS<br>(ULTIMATE HURRICANE)                                                         |     |
|                                                               |         | LFS                                                                                                                | BY  |
|                                                               |         | FBC                                                                                                                |     |
| 8                                                             | 7/03/26 | UPDATE TO 9TH ED. (2026)                                                                                           | FBC |
| 7                                                             | 7/07/23 | UPDATE TO 8TH ED. (2023)                                                                                           | FBC |
| 6                                                             | 8/12/20 | UPDATE TO 7TH ED. (2020)                                                                                           | FBC |
| NO.                                                           | DATE    | REVISIONS                                                                                                          |     |
| DATE: 10/24/13                                                |         |                                                                                                                    |     |
| SCALE: N.T.S.                                                 |         |                                                                                                                    |     |
| DWG. BY: JK                                                   |         |                                                                                                                    |     |
| CHK. BY: LFS                                                  |         |                                                                                                                    |     |
| DRAWING NO.: FL-16634.6                                       |         |                                                                                                                    |     |
| SHEET 2 OF 6                                                  |         |                                                                                                                    |     |

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1  
3 HORIZONTAL CROSS SECTION



2  
3 VERTICAL CROSS SECTION

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Lyndon F. Schmidt  
P.E. No. 43409

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FBPE Registry No. 9813

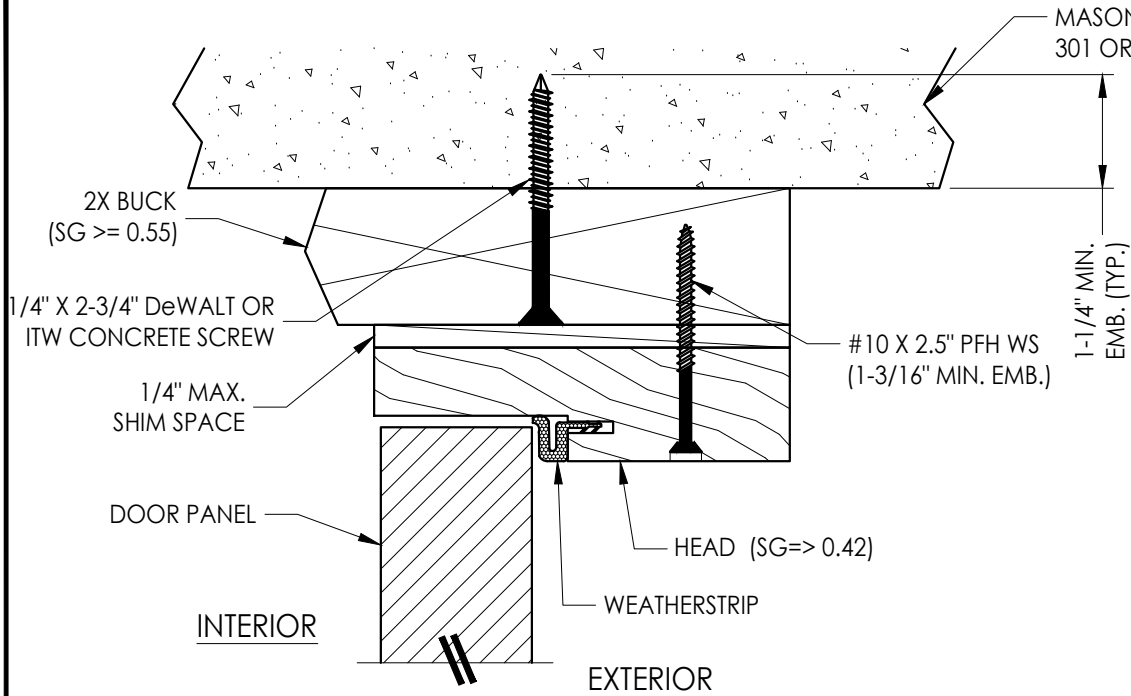
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PART OR ASSEMBLY:  
DOOR PANEL DETAILS  
& GLAZING DETAIL

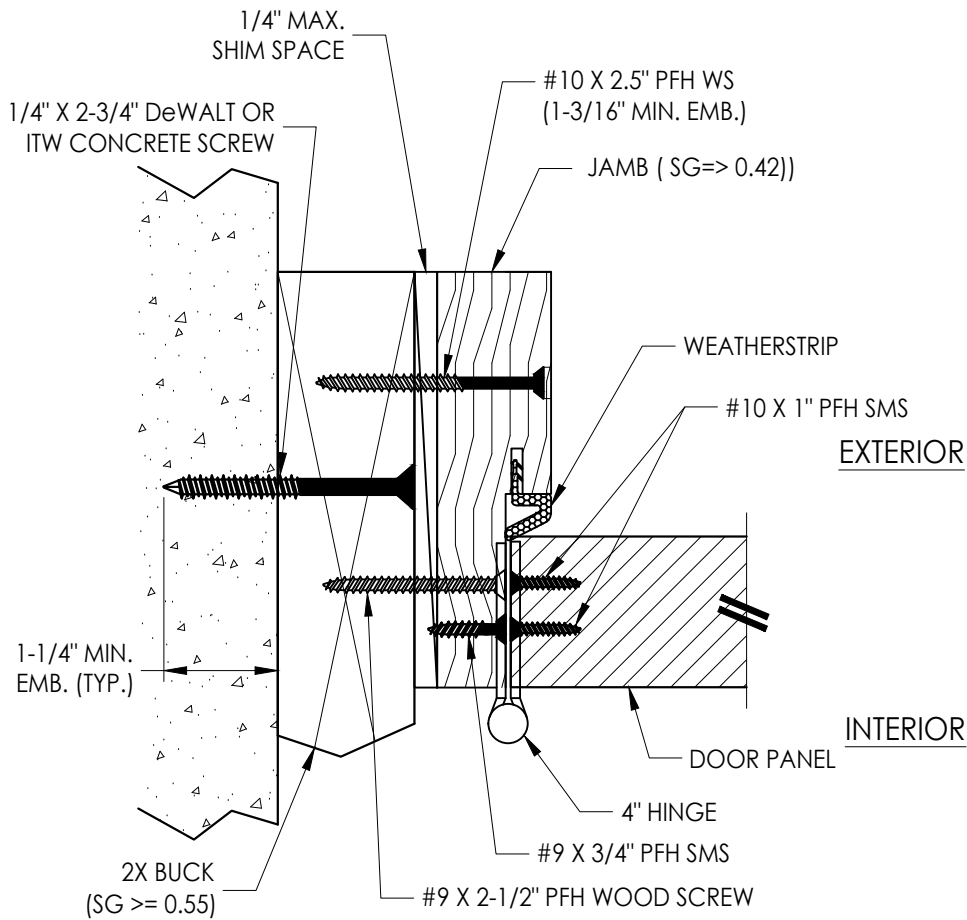
| NO. | DATE    | REVISIONS                        |
|-----|---------|----------------------------------|
| 8   | 7/03/26 | UPDATE TO 9TH ED. (2026) FBC LFS |
| 7   | 7/07/23 | UPDATE TO 8TH ED. (2023) FBC LFS |
| 6   | 8/12/20 | UPDATE TO 7TH ED. (2020) FBC LFS |
| 5   |         |                                  |
| 4   |         |                                  |
| 3   |         |                                  |
| 2   |         |                                  |
| 1   |         |                                  |

DATE: 10/24/13  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-16634.6  
SHEET 3 OF 6

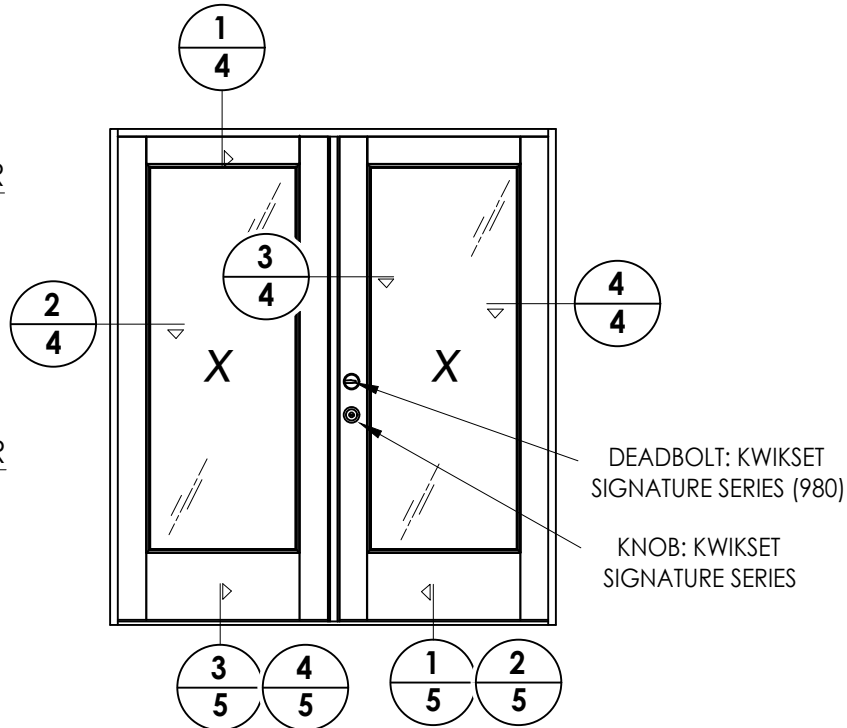
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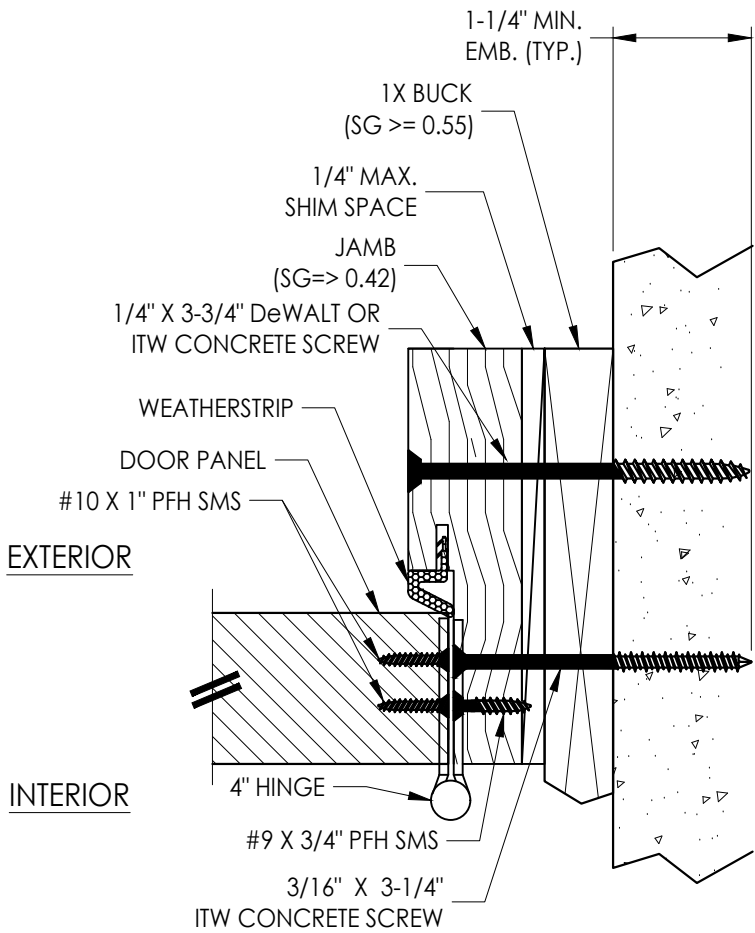
1  
4 VERTICAL CROSS SECTION



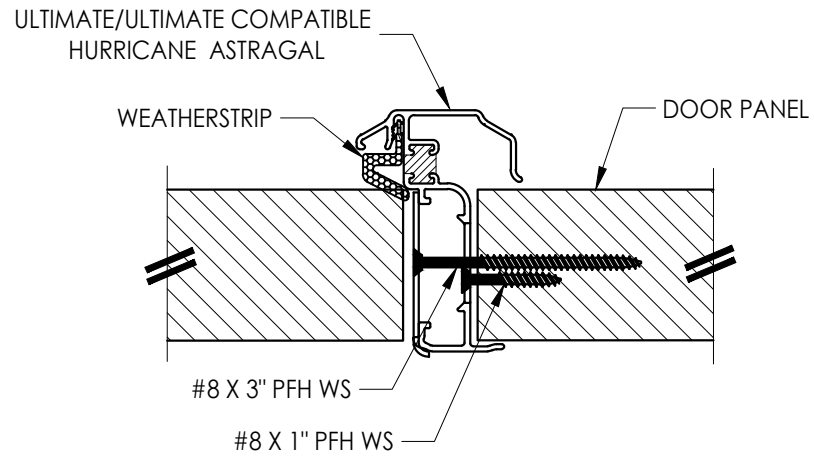
2  
4 HORIZONTAL CROSS SECTION



DEADBOLT: KWIKSET  
SIGNATURE SERIES (980)  
KNOB: KWIKSET  
SIGNATURE SERIES



4  
4 HORIZONTAL CROSS SECTION  
Shown w/ 1X sub-buck



3  
4 HORIZONTAL CROSS SECTION

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

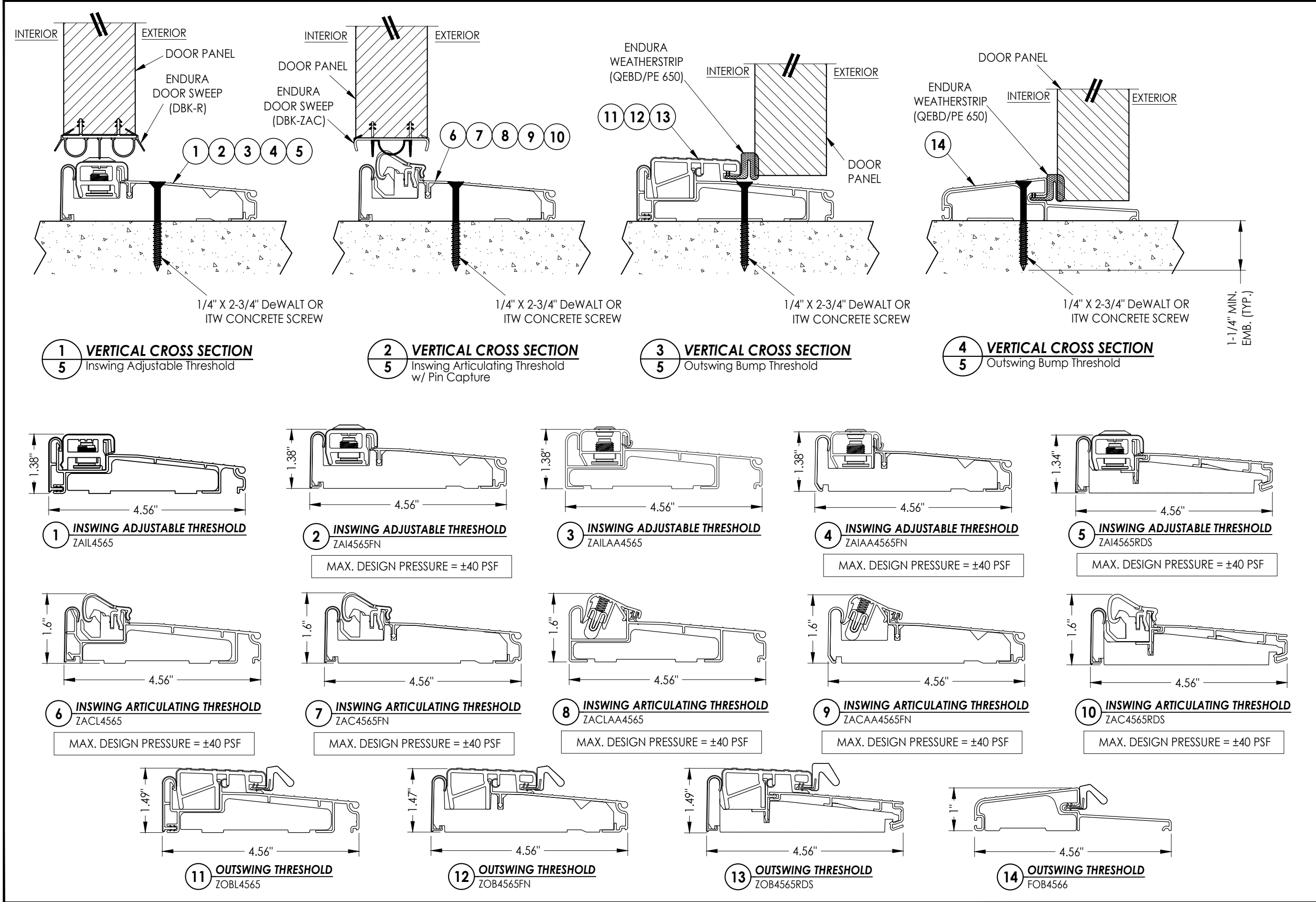
RW BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT: ENDURA  
PART OR ASSEMBLY:  
HORIZONTAL AND VERTICAL  
CROSS SECTIONS

| NO. | DATE    | REVISIONS                        |
|-----|---------|----------------------------------|
| 8   | 7/03/26 | UPDATE TO 9TH ED. (2026) FBC LFS |
| 7   | 7/07/23 | UPDATE TO 8TH ED. (2023) FBC LFS |
| 6   | 8/12/20 | UPDATE TO 7TH ED. (2020) FBC LFS |

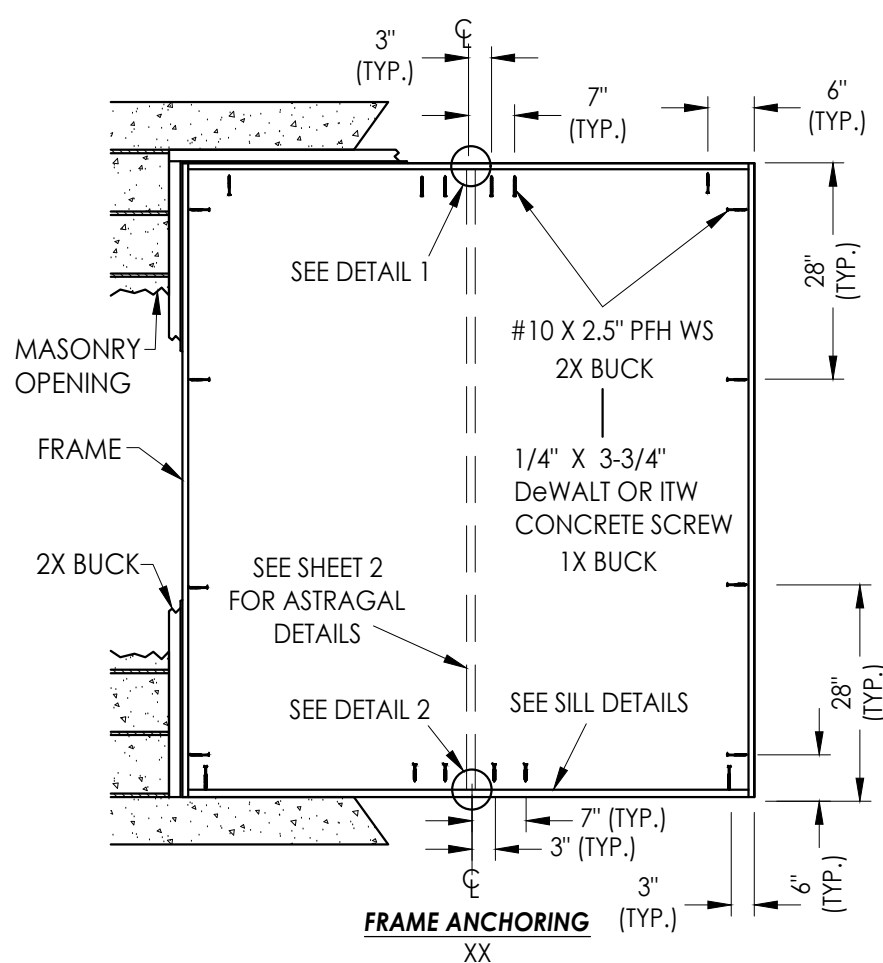
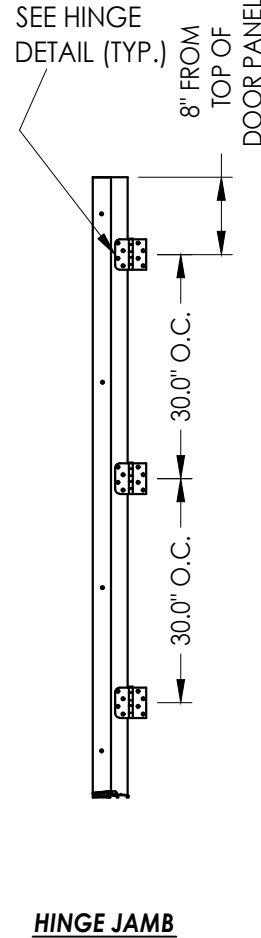
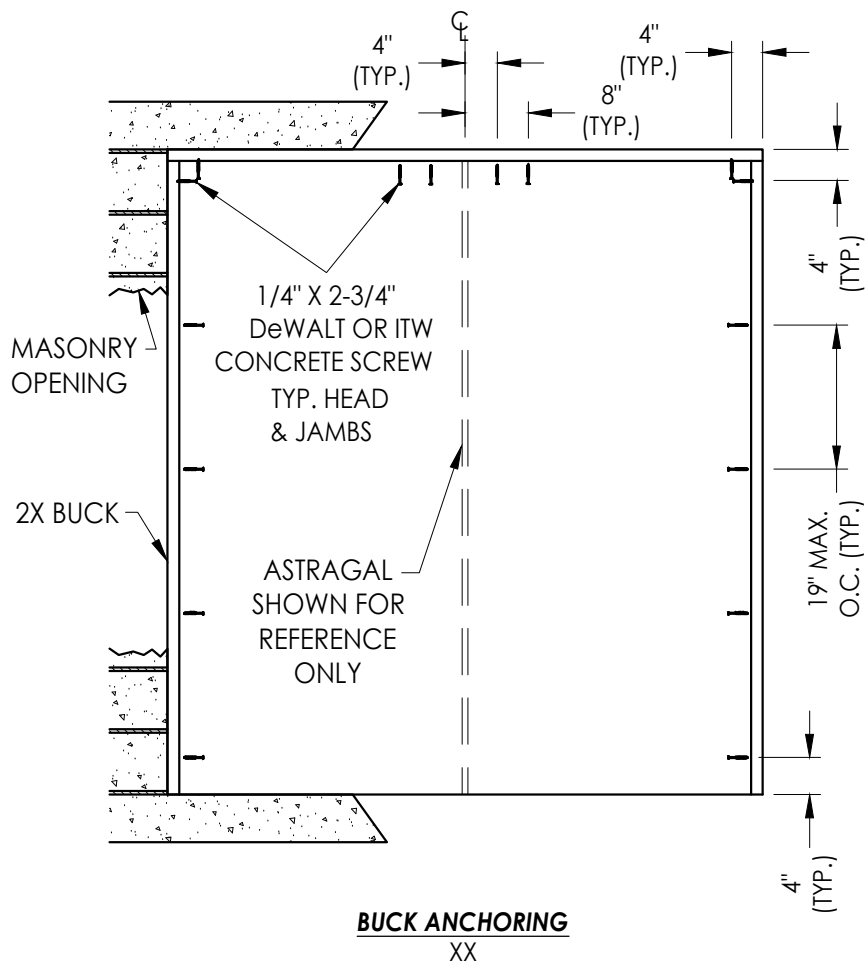
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SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-16634.6  
SHEET 4 OF 6

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|                                                               |  |                                                                                                                    |           |
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| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409 |  | BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |           |
| PRODUCT: ENDURA                                               |  | PART OR ASSEMBLY: THRESHOLD DETAILS                                                                                |           |
|                                                               |  | 8                                                                                                                  | 7/03/26   |
|                                                               |  | 7                                                                                                                  | 7/07/23   |
|                                                               |  | 6                                                                                                                  | 8/12/20   |
|                                                               |  | NO.                                                                                                                | DATE      |
|                                                               |  | BY                                                                                                                 | REVISIONS |
| DATE: 10/24/13                                                |  |                                                                                                                    |           |
| SCALE: N.T.S.                                                 |  |                                                                                                                    |           |
| DWG. BY: JK                                                   |  |                                                                                                                    |           |
| CHK. BY: LFS                                                  |  |                                                                                                                    |           |
| DRAWING NO.: FL-16634.6                                       |  |                                                                                                                    |           |
| SHEET 5 OF 6                                                  |  |                                                                                                                    |           |

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**CORROSION RESISTANCE - SALTWATER ENVIRONMENT**  
Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

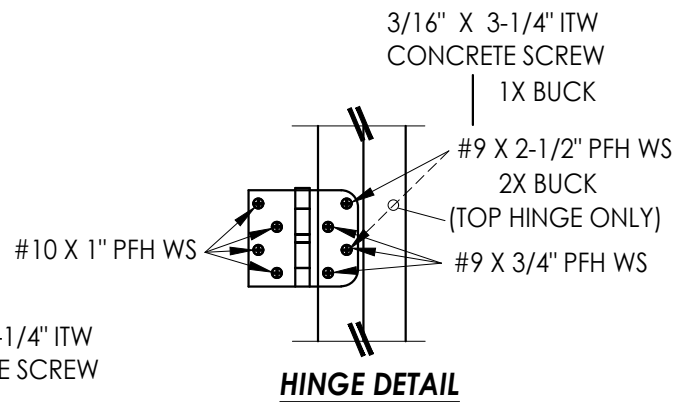
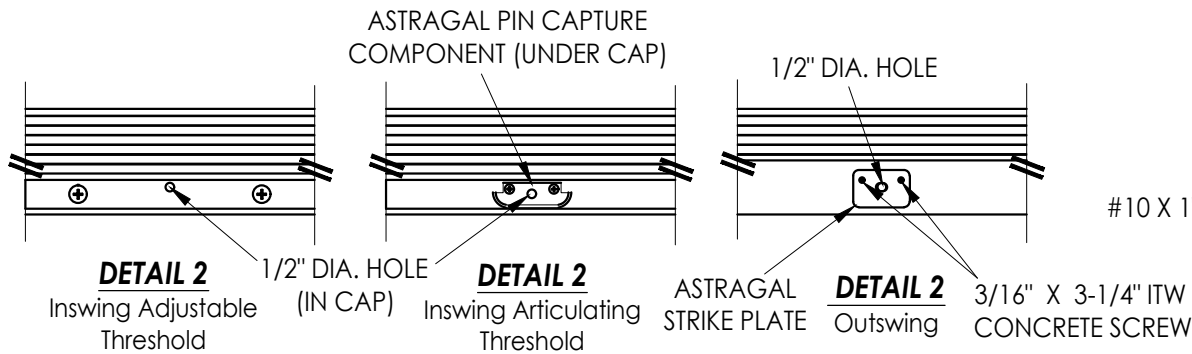
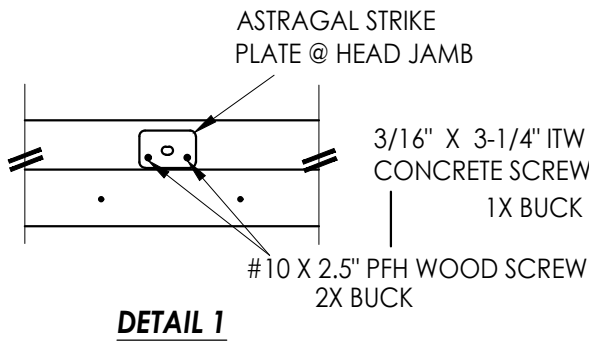
**CONCRETE ANCHOR NOTES:**

- Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
- Concrete anchor locations noted as "MAX. ON CENTER" must be adjusted to maintain the min. edge distance to mortar joints, additional concrete anchors may be required to ensure the "MAX. ON CENTER" dimension are not exceeded.
- Concrete anchor table:

| ANCHOR TYPE      | ANCHOR SIZE | MIN. EMBEDMENT | MIN. CLEARANCE TO MASONRY EDGE | MIN. CLEARANCE TO ADJACENT ANCHOR |
|------------------|-------------|----------------|--------------------------------|-----------------------------------|
| ITW TAPCON®      | 1/4"        | 1-1/4"         | 2"                             | 4"                                |
| DeWALT ULTRACON® | 1/4"        | 1-1/4"         | 1"                             | 4"                                |
| ITW TAPCON®      | 3/16"       | 1-1/4"         | 3"                             | 1-1/2"                            |

**WOOD SCREW INSTALLATION NOTES:**

- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



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

**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT: ENDURA

PART OR ASSEMBLY:  
BUCK AND FRAME ANCHORING

| NO. | DATE    | REVISIONS                        |
|-----|---------|----------------------------------|
| 8   | 7/03/26 | UPDATE TO 9TH ED. (2026) FBC LFS |
| 7   | 7/07/23 | UPDATE TO 8TH ED. (2023) FBC LFS |
| 6   | 8/12/20 | UPDATE TO 7TH ED. (2020) FBC LFS |

DATE: 10/24/13

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-16634.6

SHEET 6 OF 6