

Z:\2023 FBC Drawings\Therma-Tru\FL-23955 R3\FL-23955.4-6.dwg

THERMA-TRU®

DOORS

Classic-Craft®

OPAQUE FIBERGLASS DOUBLE DOOR

w/ or w/out SIDELITES

INSWING/OUTSWING

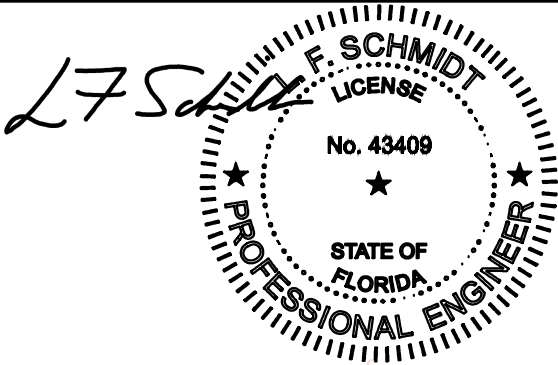
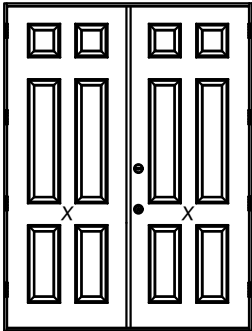
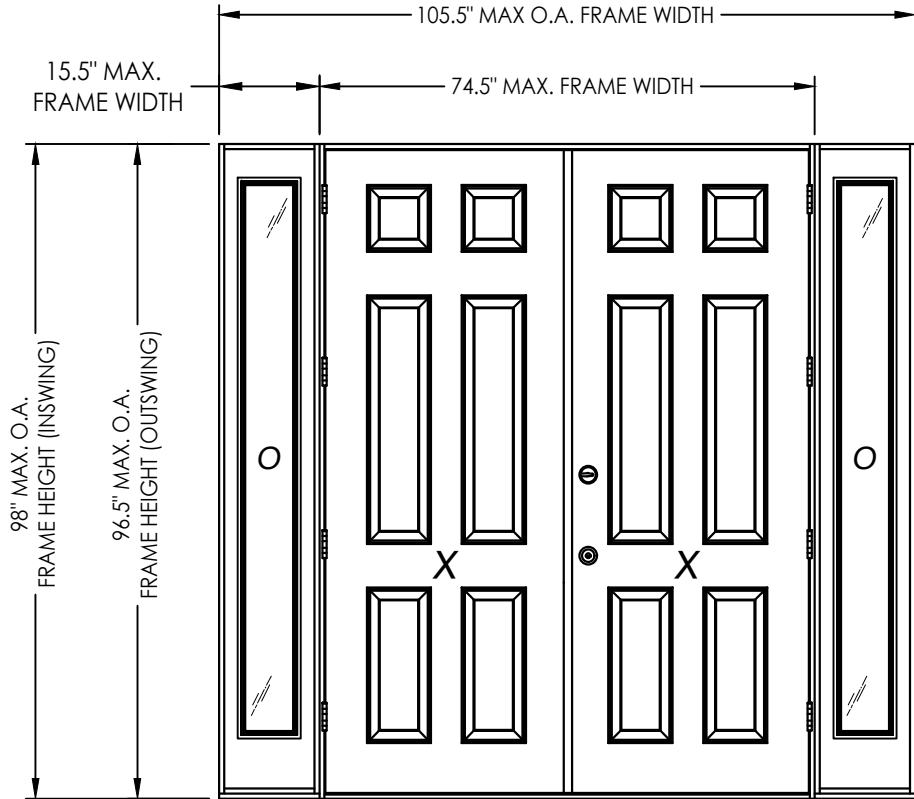
"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) 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 as follows: Wind Zones 1, 2 & 3: Glazed Sidelites only; Wind Zone 4: Entire System.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. 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 & General Notes     |
| 2                 | Door Panel Details                                       |
| 3                 | Sidelite Panel Details                                   |
| 4                 | Elevations                                               |
| 5                 | Horizontal & Vertical Cross Sections (2X Buck)           |
| 6                 | Horizontal & Vertical Cross Sections (1X Buck)           |
| 7                 | Horizontal & Vertical Cross Sections (Direct to Masonry) |
| 8                 | Vertical Cross Sections (Thresholds)                     |
| 9                 | Buck Anchoring                                           |
| 10                | Frame Anchoring                                          |
| 11                | Hardware Details                                         |
| 12                | Components                                               |
| 13                | Bill of Materials                                        |

| CONFIGURATION | ASTRAGAL | DESIGN PRESSURE (PSF)<br>INSWING |          | DESIGN PRESSURE (PSF)<br>OUTSWING |          |
|---------------|----------|----------------------------------|----------|-----------------------------------|----------|
|               |          | POSITIVE                         | NEGATIVE | POSITIVE                          | NEGATIVE |
| XX, OXXO      | STANDARD | +34.0                            | -34.0    | +34.0                             | -34.0    |
| XX, OXXO      | COASTAL  | +47.0                            | -47.0    | +47.0                             | -47.0    |



Digitally signed by Lyndon F Schmidt  
Date: 2023.08.24 15:11:24 -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:  
Lyndon F. Schmidt  
P.E. No. 43409

PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

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

DATE: 3/25/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-23955.6

SHEET 1 OF 13

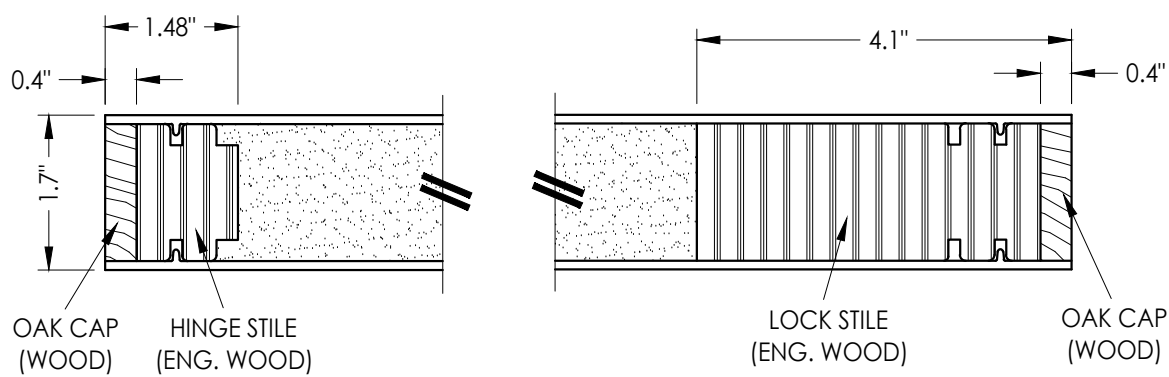
© 2020 R.W. BUILDING CONSULTANTS INC.

REVISIONS

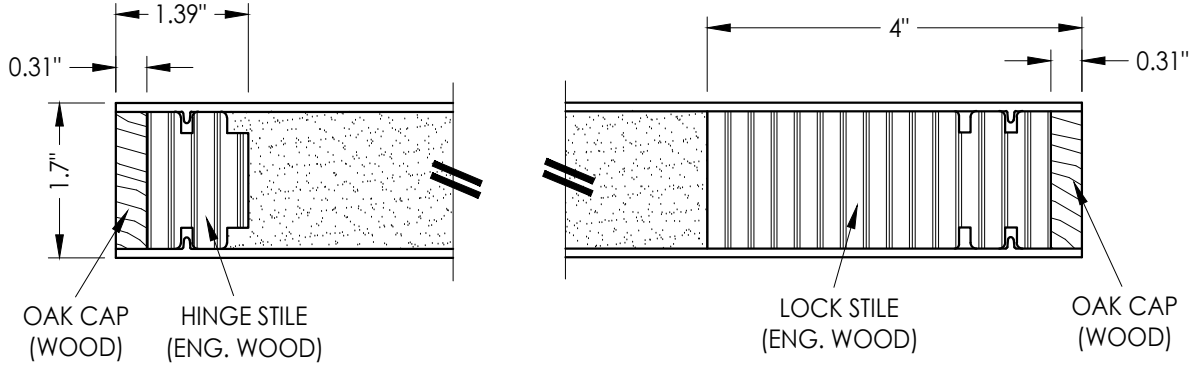
|     |         |                              |     |
|-----|---------|------------------------------|-----|
| 2   | 8/22/23 | UPDATE TO 8TH ED. (2023) FBC | LFS |
| 1   | 8/05/20 | UPDATE TO 7th ED (2020) FBC  | LFS |
| NO. | DATE    |                              | BY  |

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

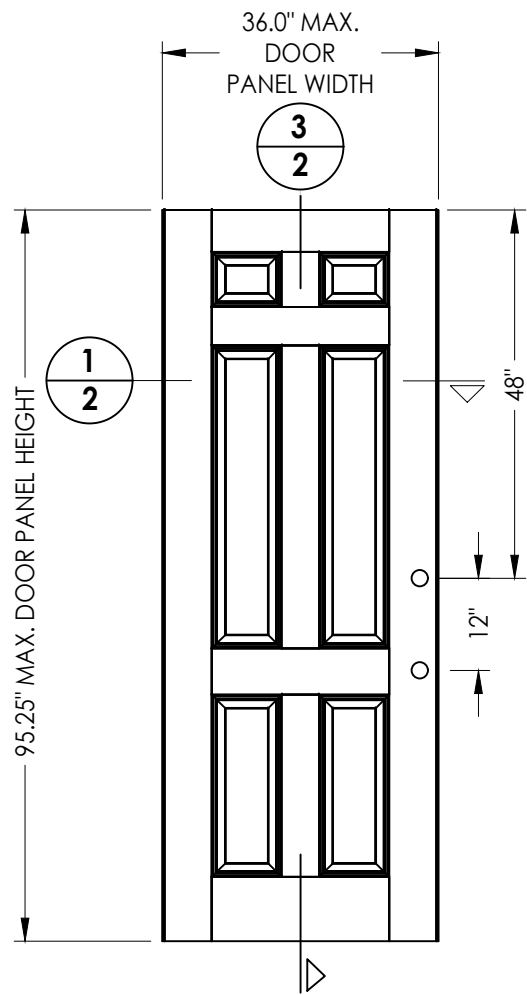
Z:\2023 FBC Drawings\Therma-Tru\FL-23955 R3\FL-23955.4-6.dwg



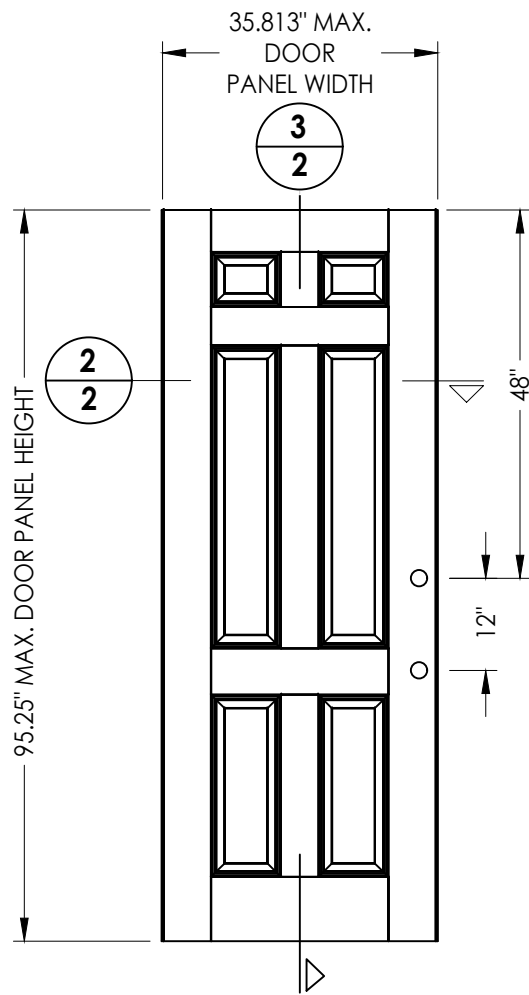
1  
2 HORIZONTAL CROSS SECTION



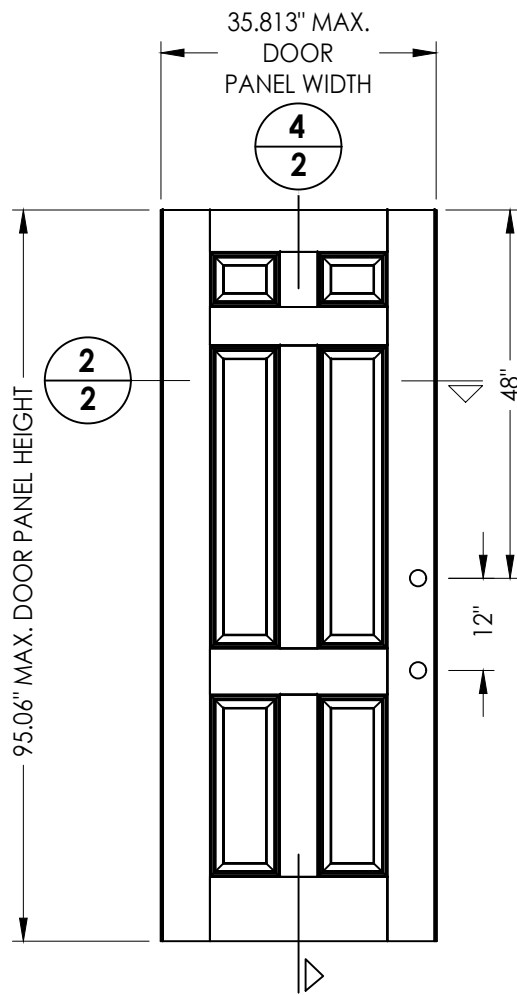
2  
2 HORIZONTAL CROSS SECTION



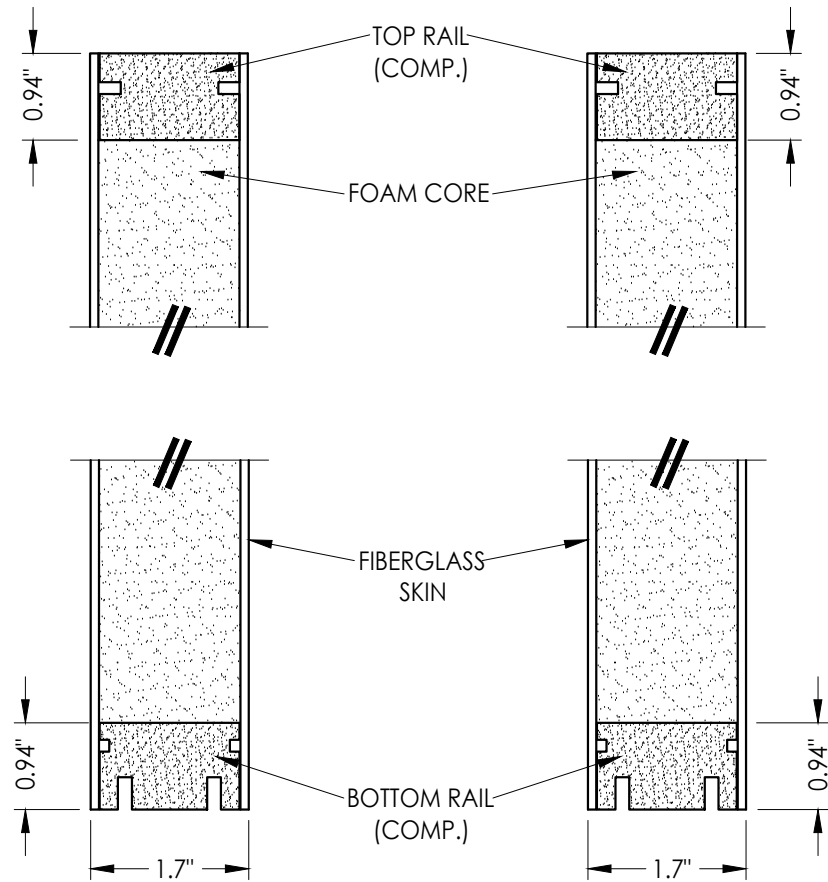
40 DOOR PANEL  
BOOK



41 DOOR PANEL  
Hybrid Door



42 DOOR PANEL  
U1 Door



3  
2 VERTICAL CROSS SECTION

4  
2 VERTICAL CROSS SECTION

**"Classic-Craft" SERIES DOOR PANEL**

FIBERGLASS DOOR SKIN: 0.125" MIN. THK.

FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)

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:  
THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
DOOR PANEL DETAILS

| NO. | DATE    | REVISIONS                    |
|-----|---------|------------------------------|
| 2   | 8/22/23 | UPDATE TO 8TH ED. (2023) FBC |
| 1   | 8/05/20 | UPDATE TO 7th ED (2020) FBC  |
| LFS |         |                              |
| LFS |         |                              |
| BY  |         |                              |

DATE: 3/25/20

SCALE: N.T.S.

DWG. BY: RW

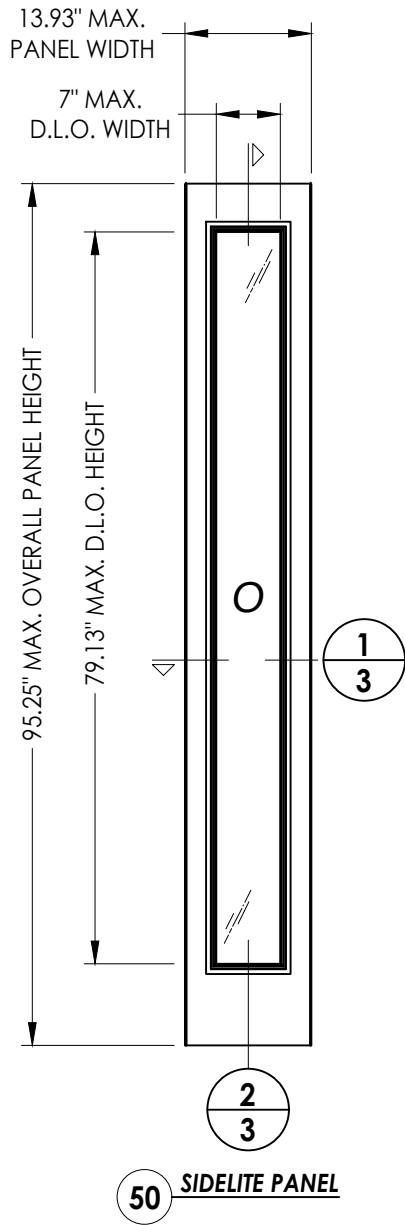
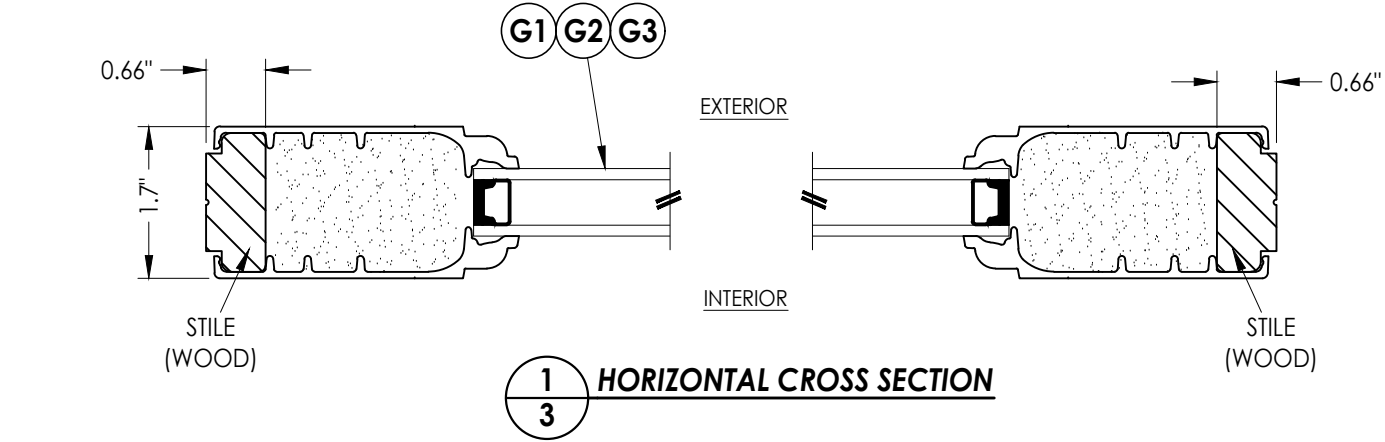
CHK. BY: LFS

DRAWING NO.:

FL-23955.6

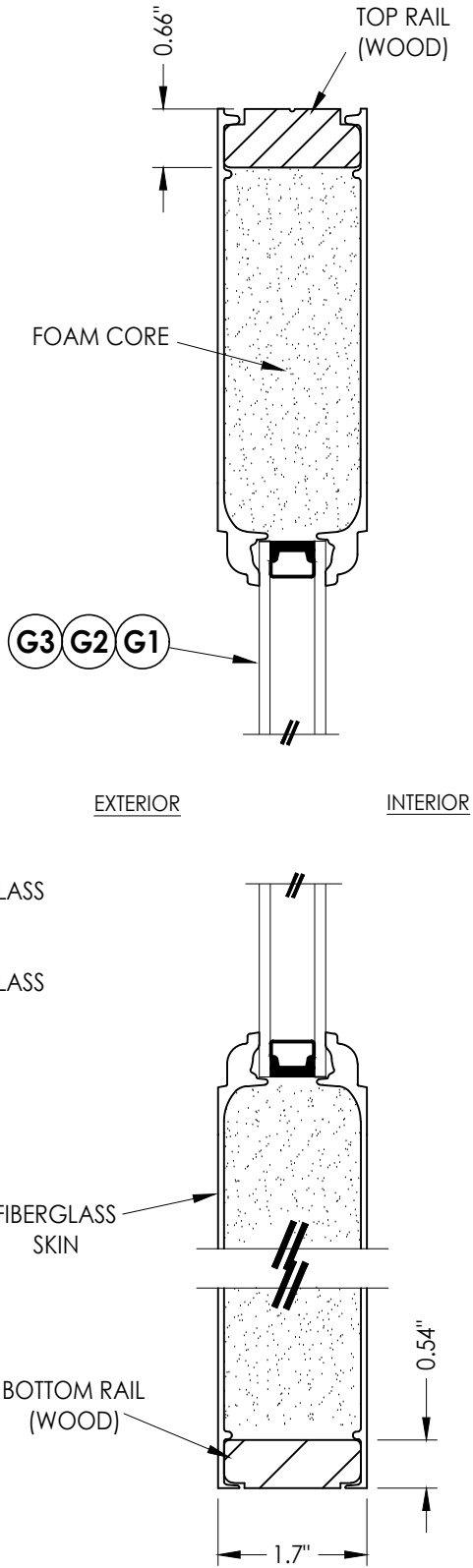
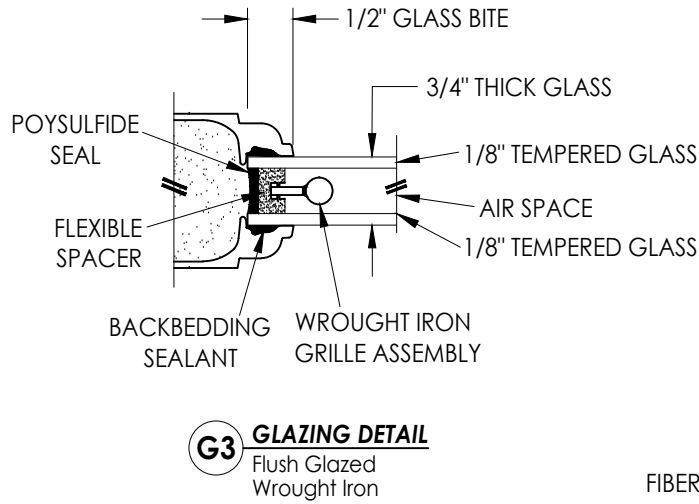
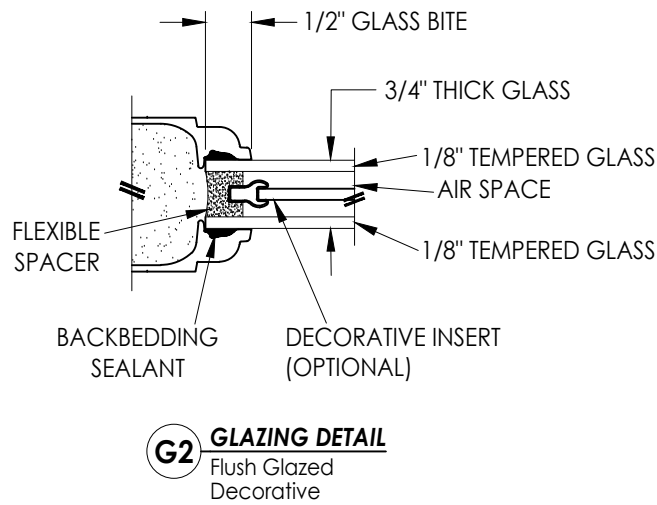
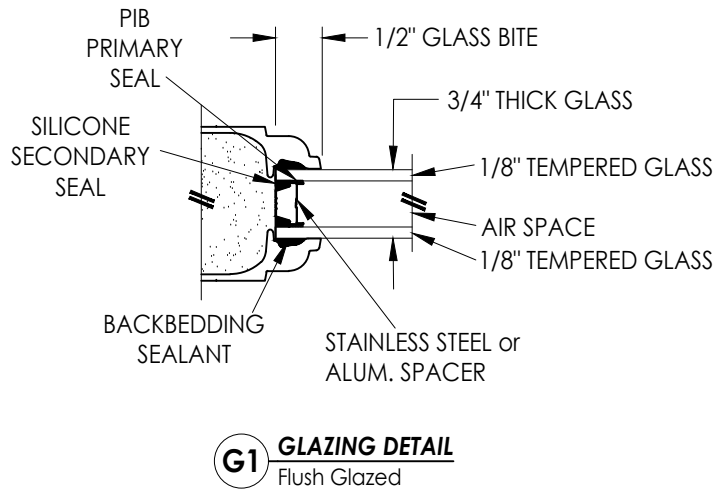
SHEET 2 OF 13

Z:\2023 FBC Drawings\Therma-Tru\FL-23955 R3\FL-23955.4-6.dwg



### SIDELITE PANEL

FIBERGLASS SKIN: 0.070" MIN. THK.  
FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)



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

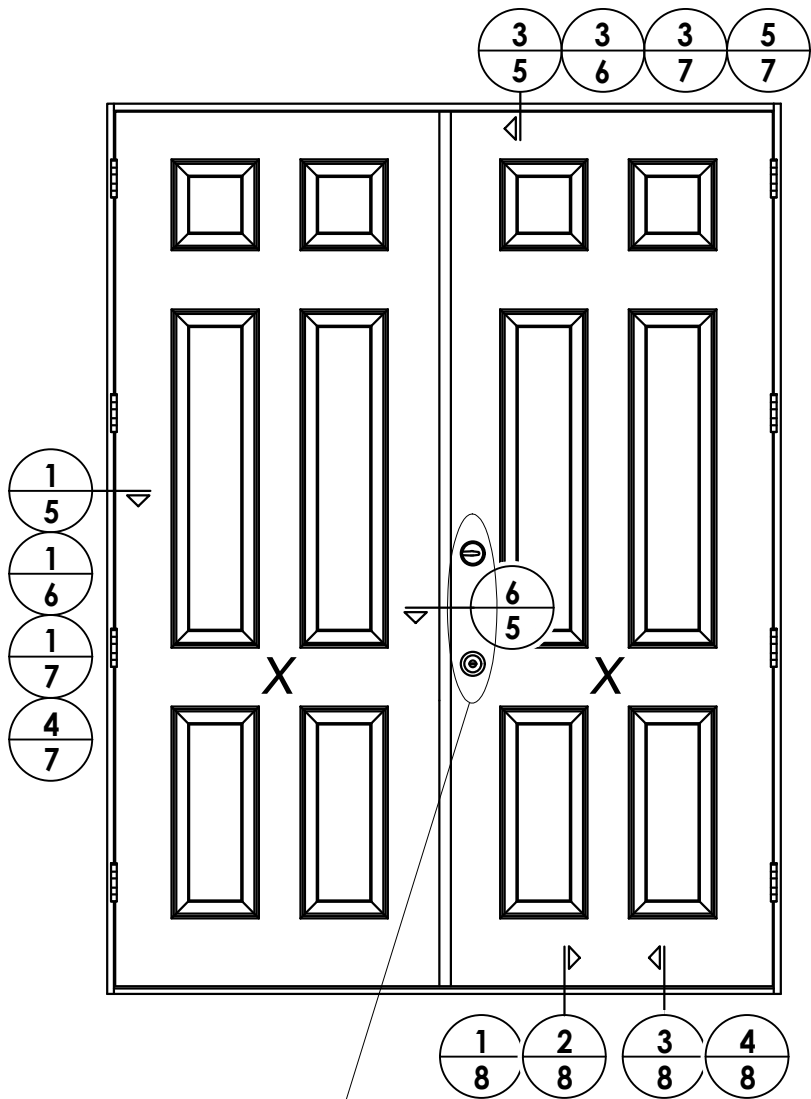
**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT: THERMA-TRU  
FIBERGLASS DOOR  
PART OR ASSEMBLY:  
SIDELITE PANEL DETAILS

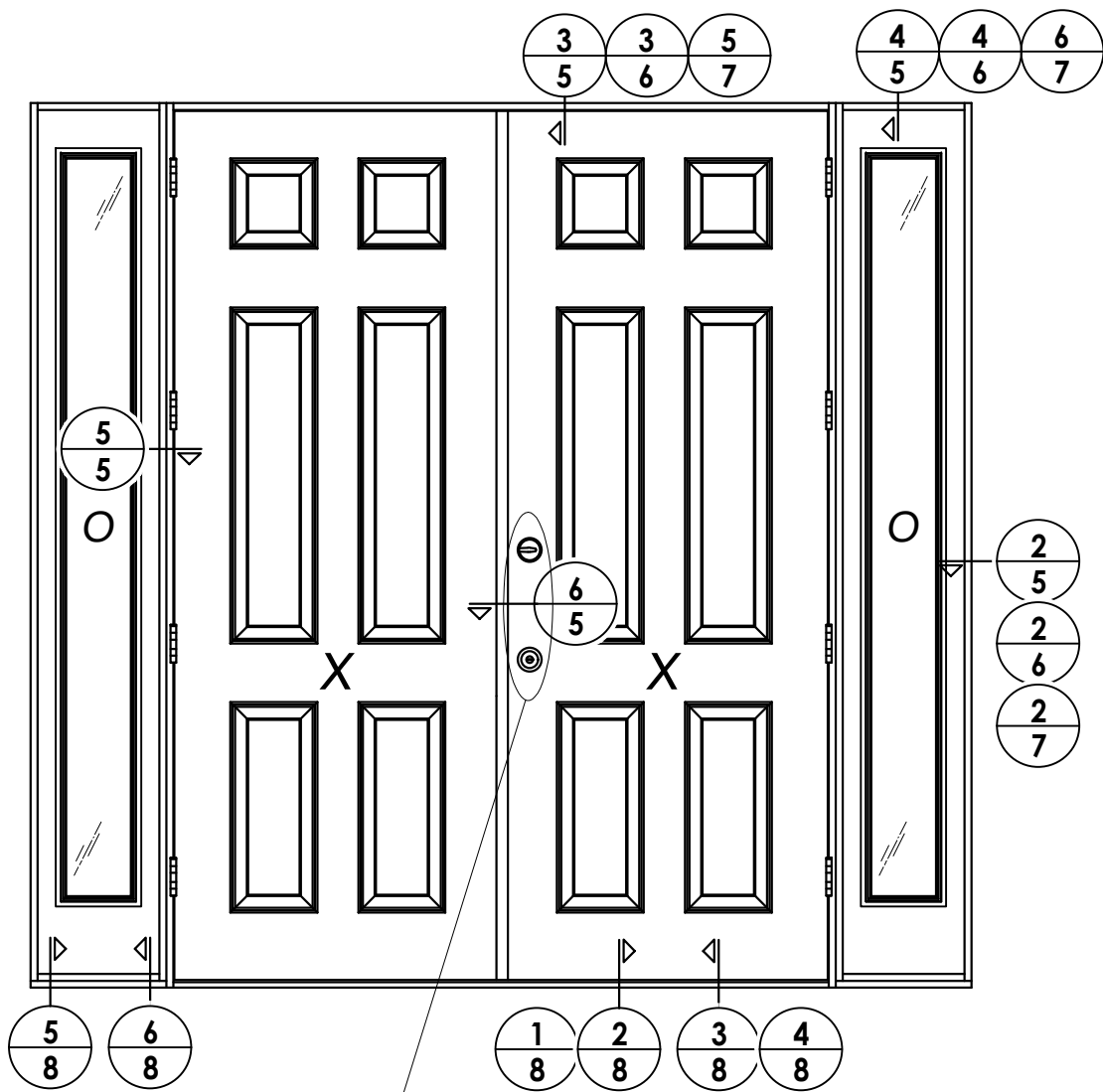
| NO. | DATE    | BY  |
|-----|---------|-----|
| 2   | 8/22/23 | FBC |
| 1   | 8/05/20 | FBC |

DATE: 3/25/20  
SCALE: N.T.S.  
DWG. BY: RW  
CHK. BY: LFS  
DRAWING NO.: FL-23955.6  
SHEET 3 OF 13

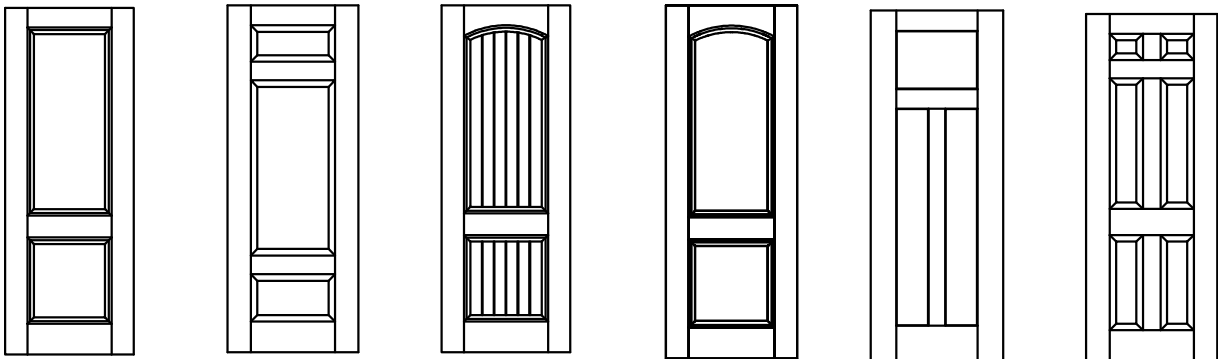
Z:\2023 FBC Drawings\Therma-Tru\FL-23955 R3\FL-23955.4-6.dwg



SEE HARDWARE CHART



SEE HARDWARE CHART

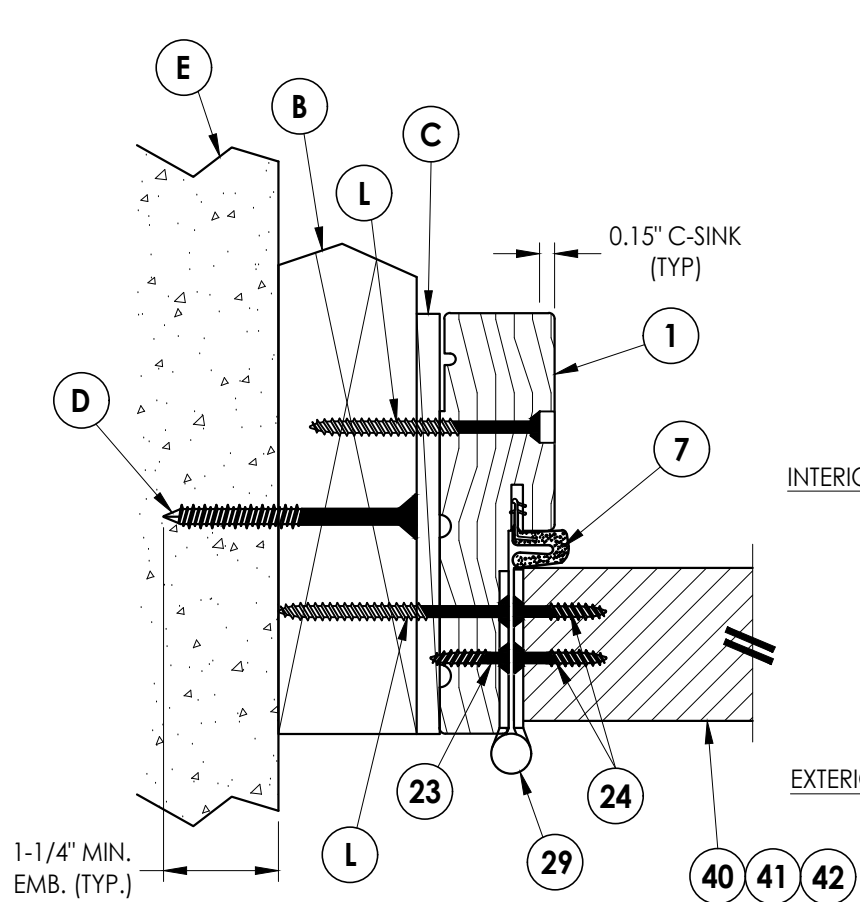


**Classic-Craft Door Panel Options**  
Panel options shown are for illustration and are representative only  
(similar opaque panel configurations are allowed)

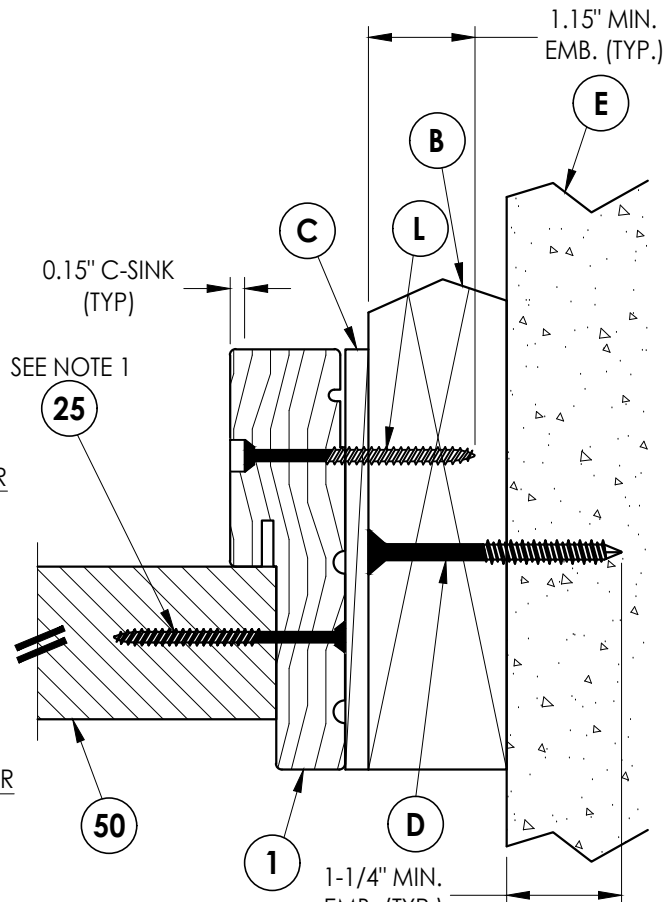
| Hardware Table |                                                            |
|----------------|------------------------------------------------------------|
| Manufacturer   | Model                                                      |
| Kwikset        | Knob: Signature Series<br>Deadbolt: Signature Series (780) |

| Revisions                |         |
|--------------------------|---------|
| No.                      | Date    |
| 2                        | 8/22/23 |
| 1                        | 8/05/20 |
| DATE                     |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |
| BY                       |         |
| LFS                      |         |
| FBC                      |         |
| UPDATE TO 8TH ED. (2023) |         |
| FBC                      |         |
| UPDATE TO 7th ED (2020)  |         |
| FBC                      |         |
| LFS                      |         |

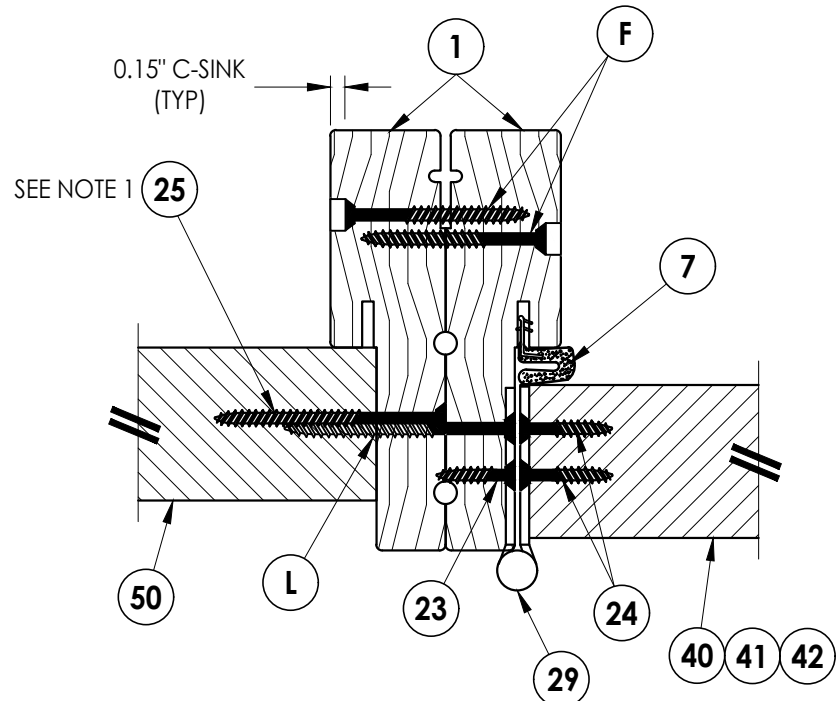
Z:\2023 FBC Drawings\Therma-Tru\FL-23955 R3\FL-23955.4-6.dwg



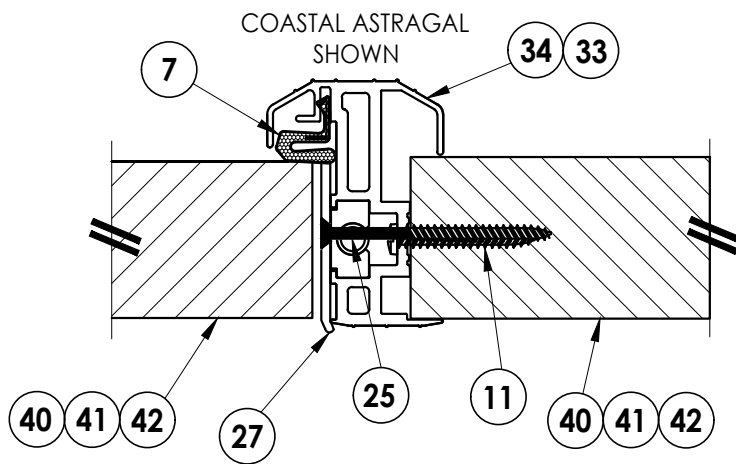
**1 HORIZONTAL CROSS SECTION**  
Shown w/ 2X Buck  
Outswing shown (Inswing similar)



**2 HORIZONTAL CROSS SECTION**  
Shown w/ 2X Buck  
Outswing shown (Inswing similar)



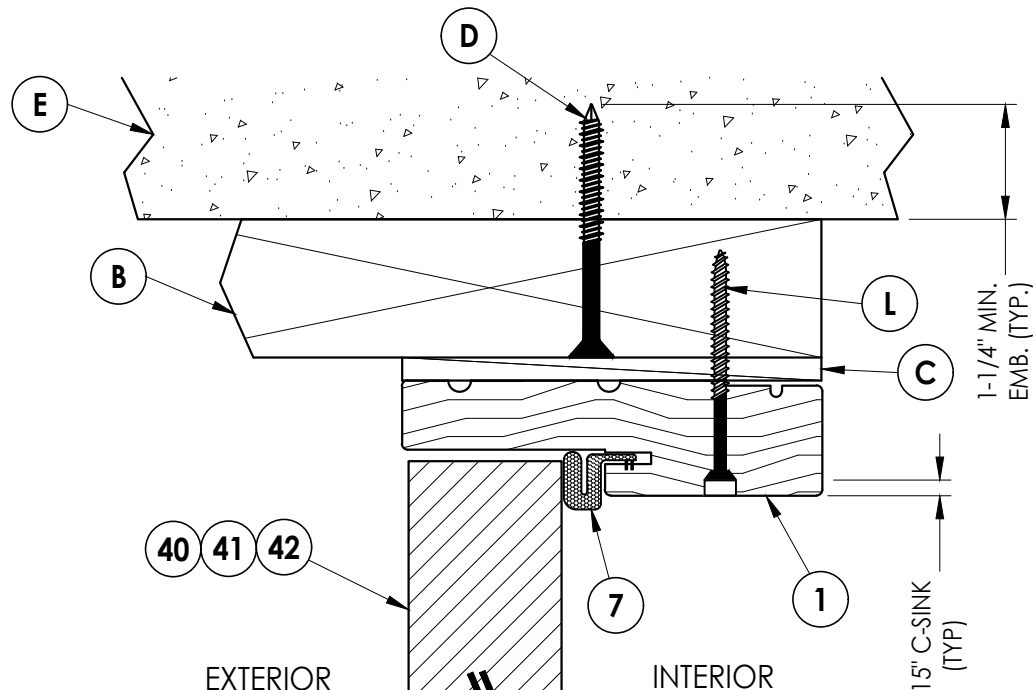
**5 HORIZONTAL CROSS SECTION**  
Outswing shown (Inswing similar)



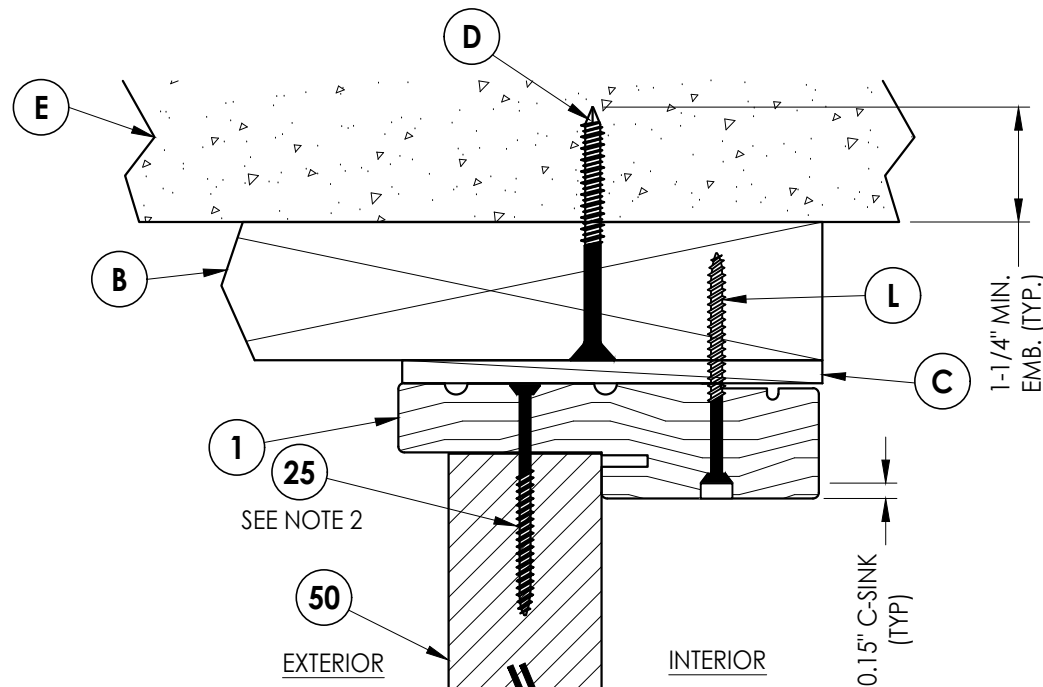
**6 HORIZONTAL CROSS SECTION**  
Outswing shown (Inswing similar)

**Notes:**

1. Sidelite assembly screws located 7" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
2. Sidelite assembly screws located 4" from each end (2 screws along head jamb).



**3 VERTICAL CROSS SECTION**  
Shown w/ 2X Buck  
Outswing shown (Inswing similar)



**4 VERTICAL CROSS SECTION**  
Shown w/ 2X Buck  
Outswing shown (Inswing similar)

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:  
THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
HORIZONTAL & VERTICAL  
CROSS SECTIONS (2X BUCK)

| NO. | DATE    | REVISIONS                        |
|-----|---------|----------------------------------|
| 2   | 8/22/23 | UPDATE TO 8TH ED. (2023) FBC LFS |
| 1   | 8/05/20 | UPDATE TO 7th ED (2020) FBC LFS  |

DATE: 3/25/20

SCALE: N.T.S.

DWG. BY: RW

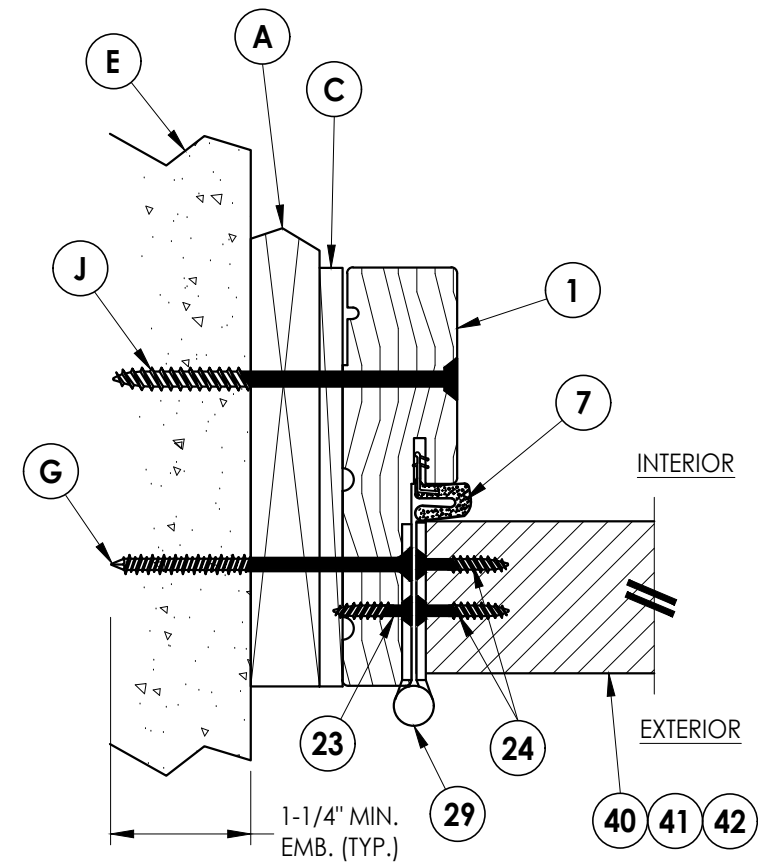
CHK. BY: LFS

DRAWING NO.: FL-23955.6

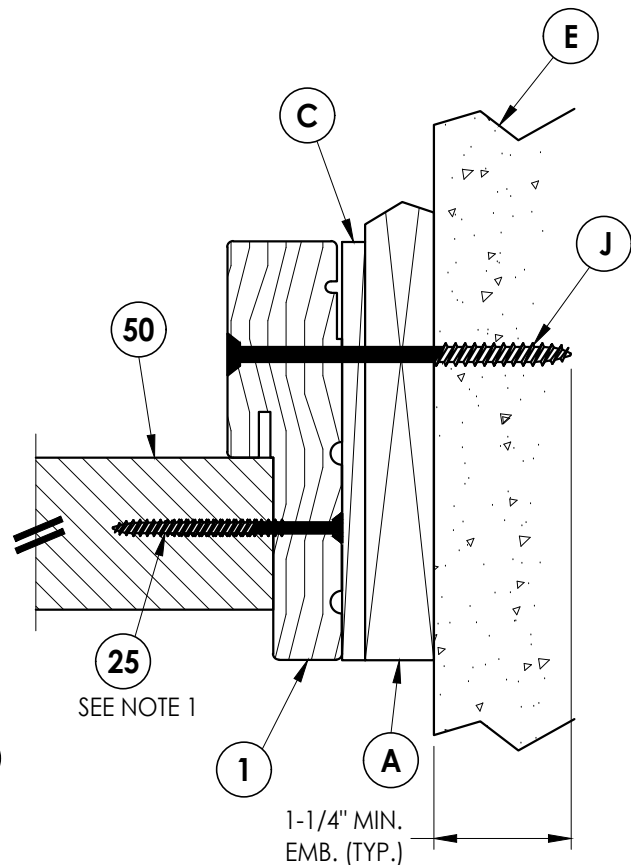
SHEET 5 OF 13

Z:\2023 FBC Drawings\Therma-Tru\FL-23955 R3\FL-23955.4-6.dwg

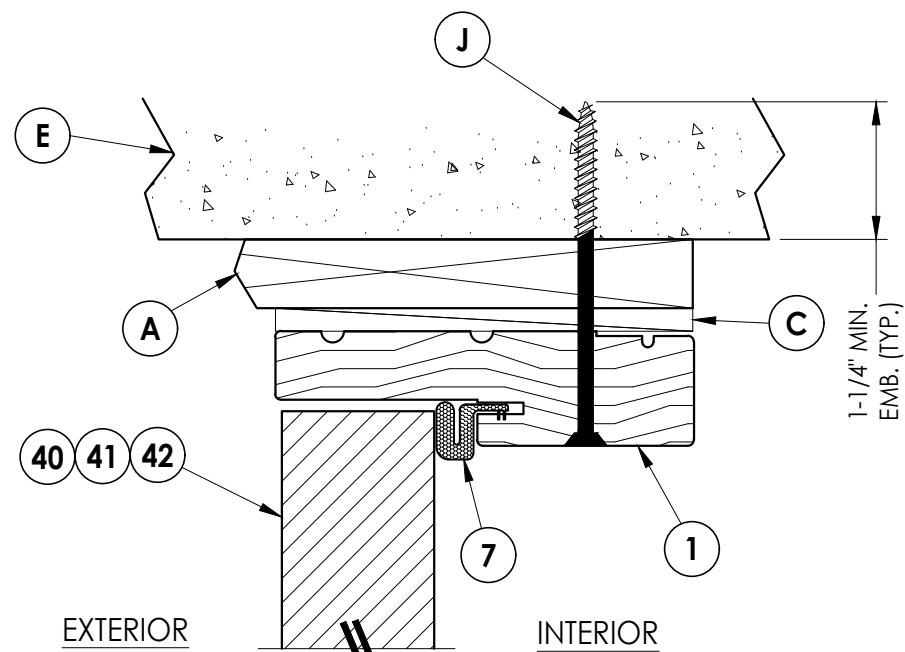
- Notes:
1. Sidelite assembly screws located 7" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
  2. Sidelite assembly screws located 4" from each end (2 screws along head jamb).



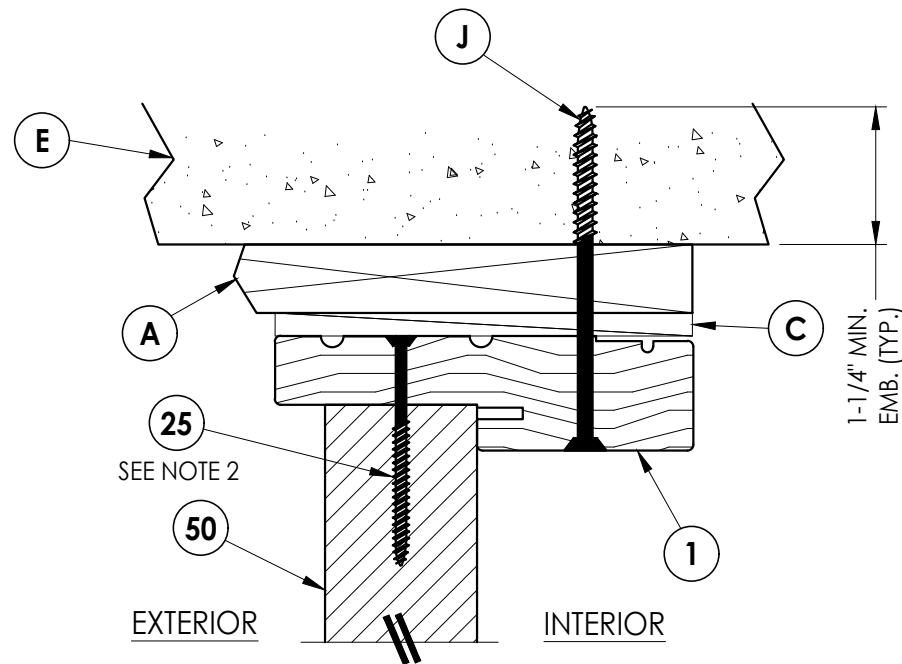
**1**  
**6** **HORIZONTAL CROSS SECTION**  
Shown w/ 1X sub-buck  
Outswing shown (Inswing similar)



**2**  
**6** **HORIZONTAL CROSS SECTION**  
Shown w/ 1X sub-buck  
Outswing shown (Inswing similar)



**3**  
**6** **VERTICAL CROSS SECTION**  
Shown w/ 1X sub-buck  
Outswing shown (Inswing similar)



**4**  
**6** **VERTICAL CROSS SECTION**  
Shown w/ 1X sub-buck  
Outswing shown (Inswing similar)

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

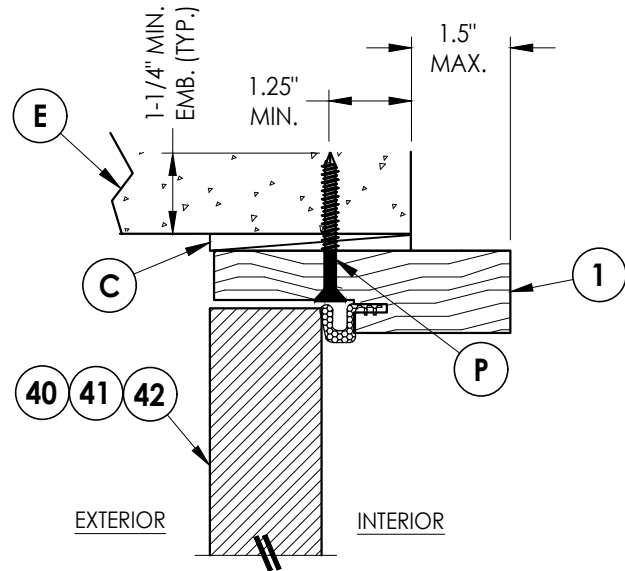
**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT: THERMA-TRU  
FIBERGLASS DOOR

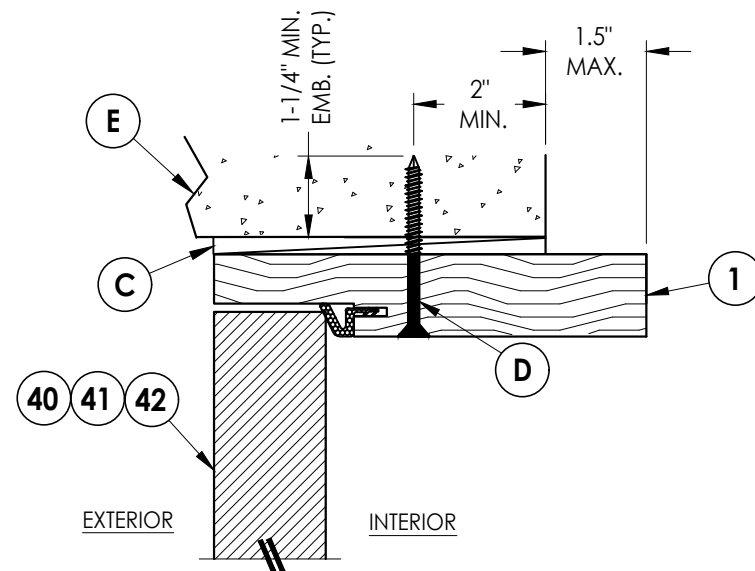
PART OR ASSEMBLY:  
HORIZONTAL & VERTICAL  
CROSS SECTIONS (1X BUCK)

| REVISIONS |         |                          |     |
|-----------|---------|--------------------------|-----|
| NO.       | DATE    | BY                       |     |
| 2         | 8/22/23 | UPDATE TO 8TH ED. (2023) | FBC |
| 1         | 8/05/20 | UPDATE TO 7th ED (2020)  | FBC |

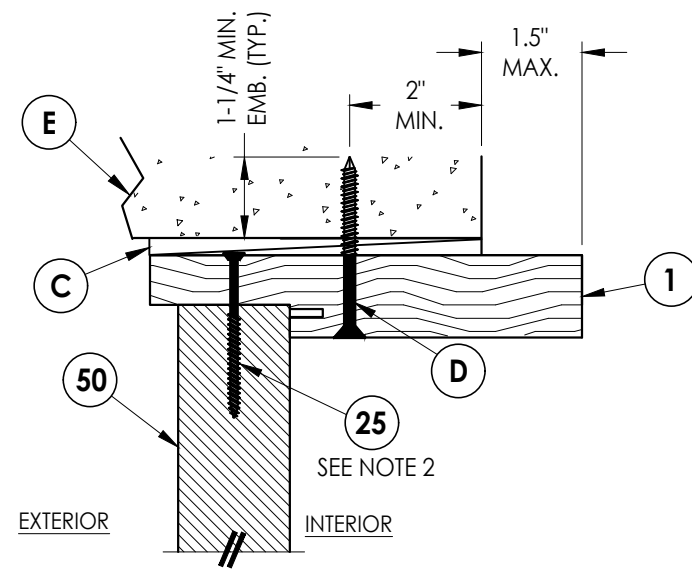
DATE: 3/25/20  
SCALE: N.T.S.  
DWG. BY: RW  
CHK. BY: LFS  
DRAWING NO.: FL-23955.6  
SHEET 6 OF 13



**3**  
**7** **VERTICAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 4-9/16" jamb  
Double Door Only (N/A w/ Sidelites)



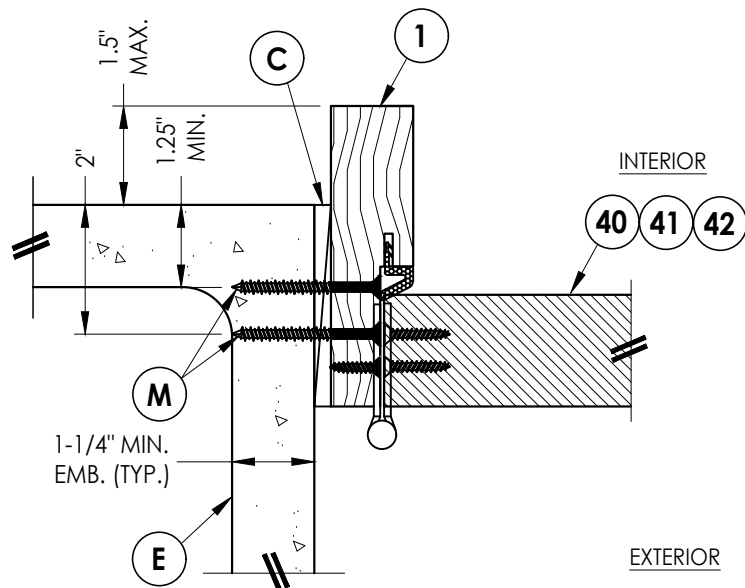
**5**  
**7** **VERTICAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 6-9/16" jamb



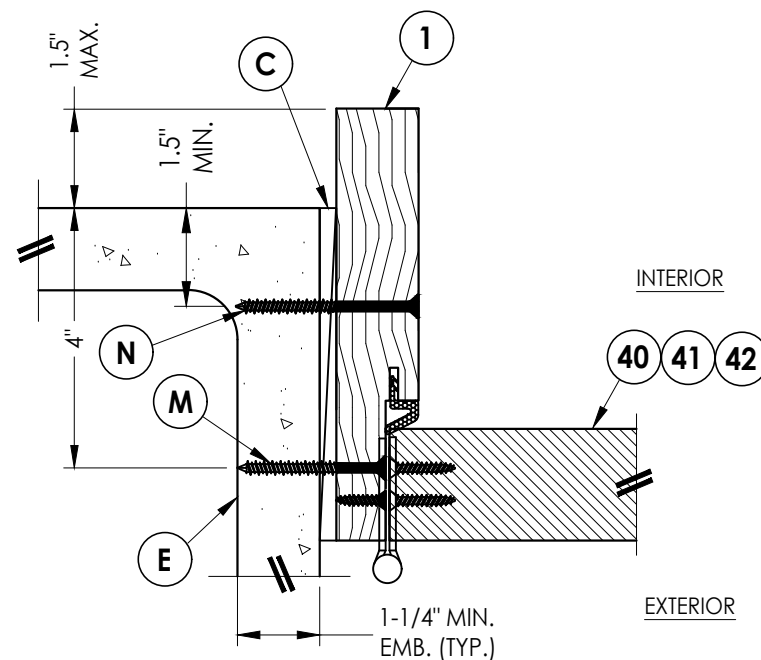
**6**  
**7** **VERTICAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 6-9/16" jamb

Notes:

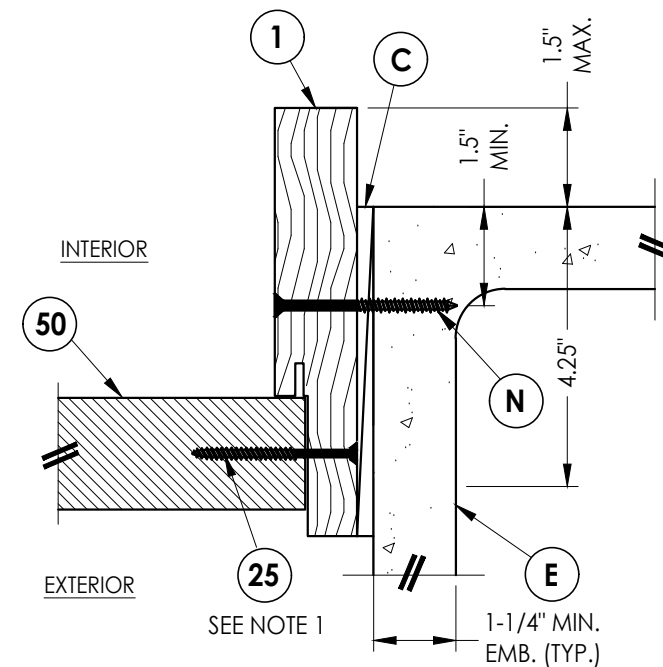
1. Sidelite assembly screws located 7" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
2. Sidelite assembly screws located 4" from each end (2 screws along head jamb).



**1**  
**7** **HORIZONTAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 4-9/16" jamb  
Double Door Only (N/A w/ Sidelites)



**4**  
**7** **HORIZONTAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 6-9/16" jamb



**2**  
**7** **HORIZONTAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 6-9/16" jamb

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

**R<sub>W</sub>** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT: THERMA-TRU  
FIBERGLASS DOOR  
PART OR ASSEMBLY:  
HORIZONTAL & VERTICAL  
SECTIONS (DIRECT TO MASONRY)

| NO. | DATE    | REVISIONS                    |
|-----|---------|------------------------------|
| 2   | 8/22/23 | UPDATE TO 8TH ED. (2023) FBC |
| 1   | 8/05/20 | UPDATE TO 7th ED (2020) FBC  |
| LFS |         | BY                           |

DATE: 3/25/20

SCALE: N.T.S.

DWG. BY: RW

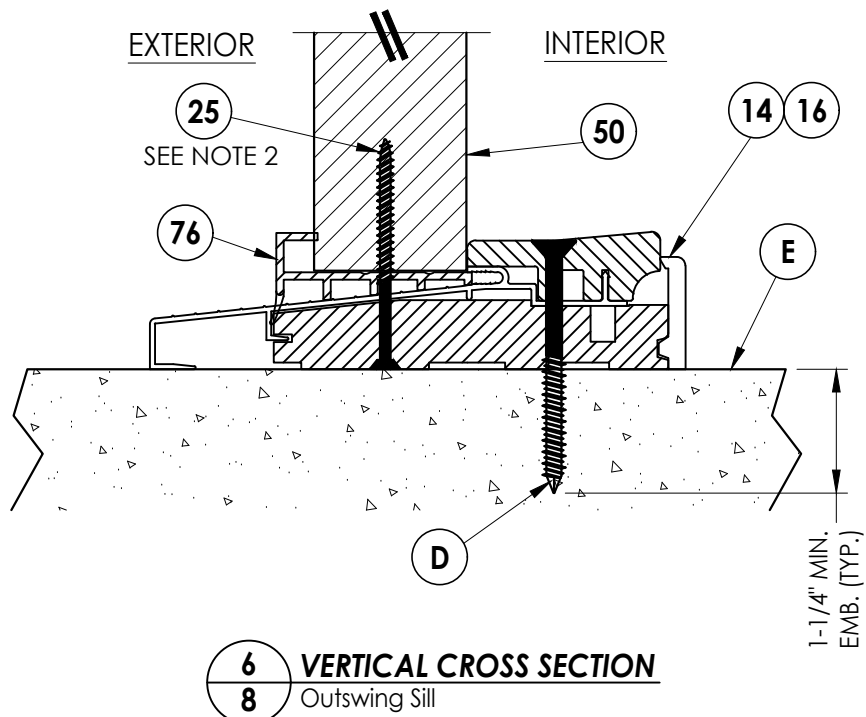
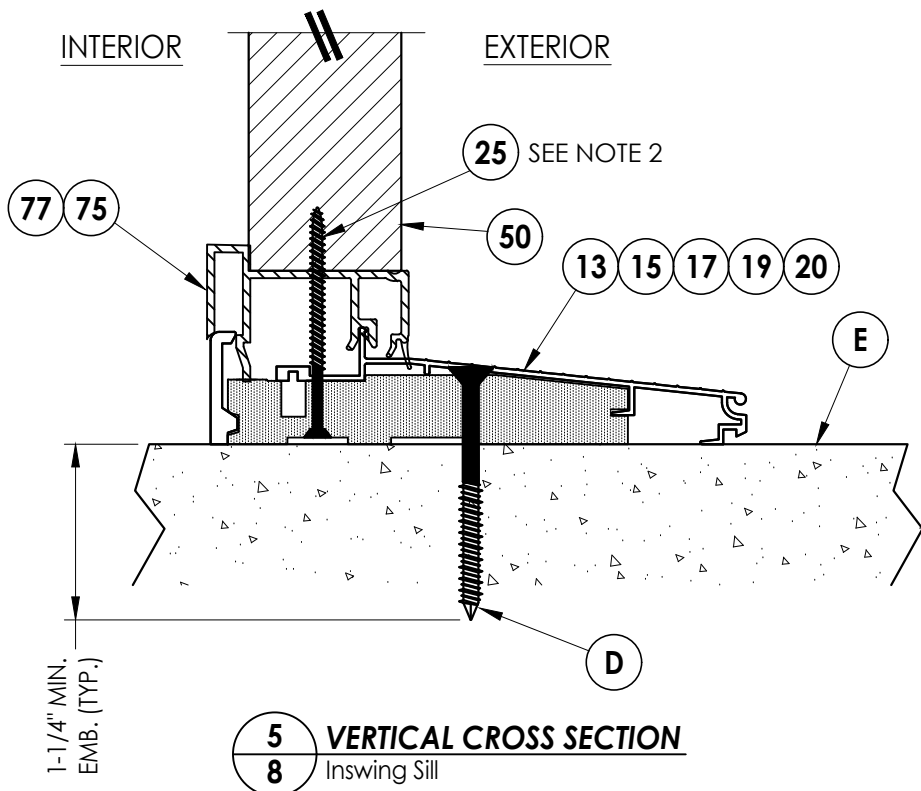
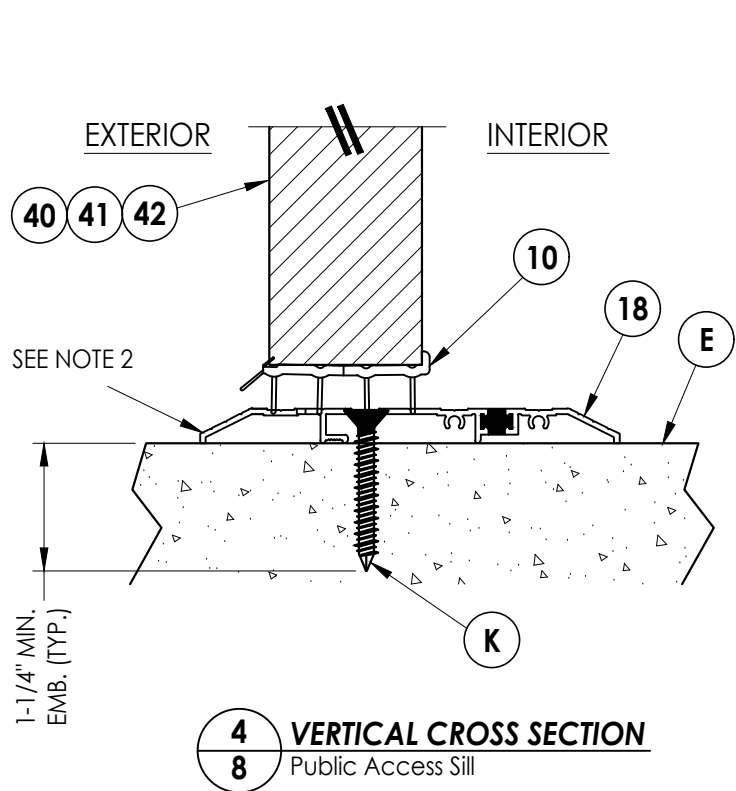
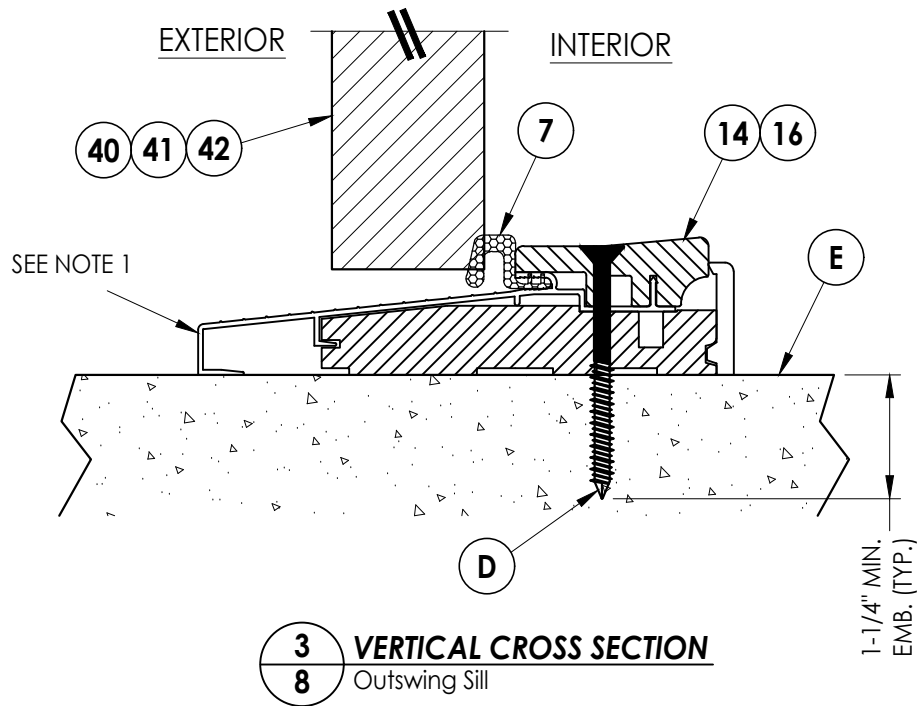
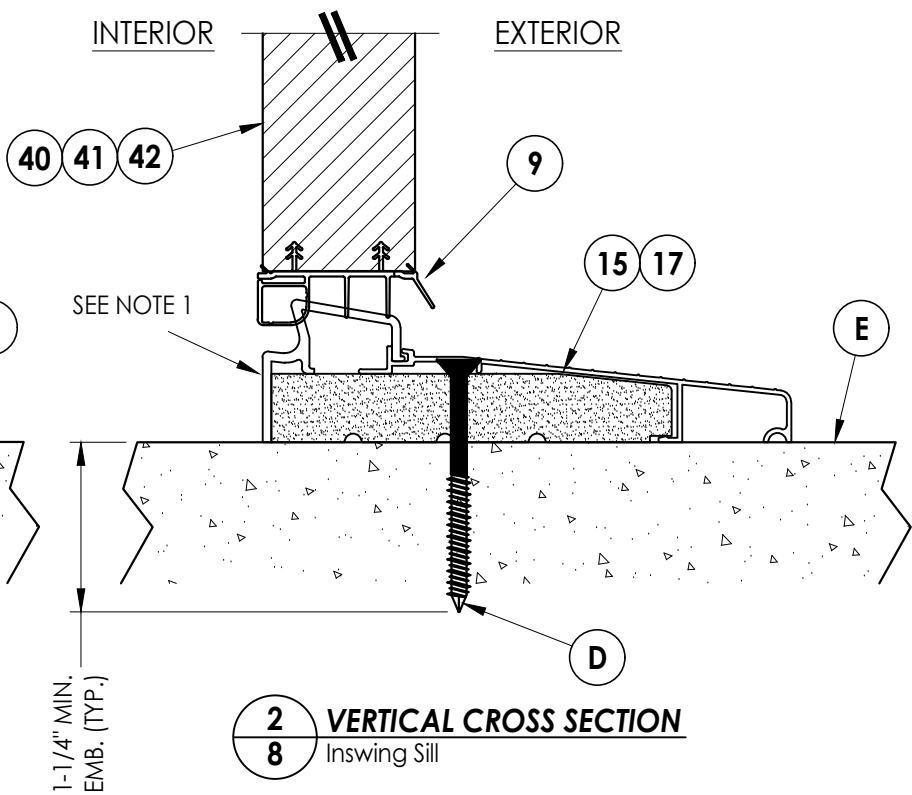
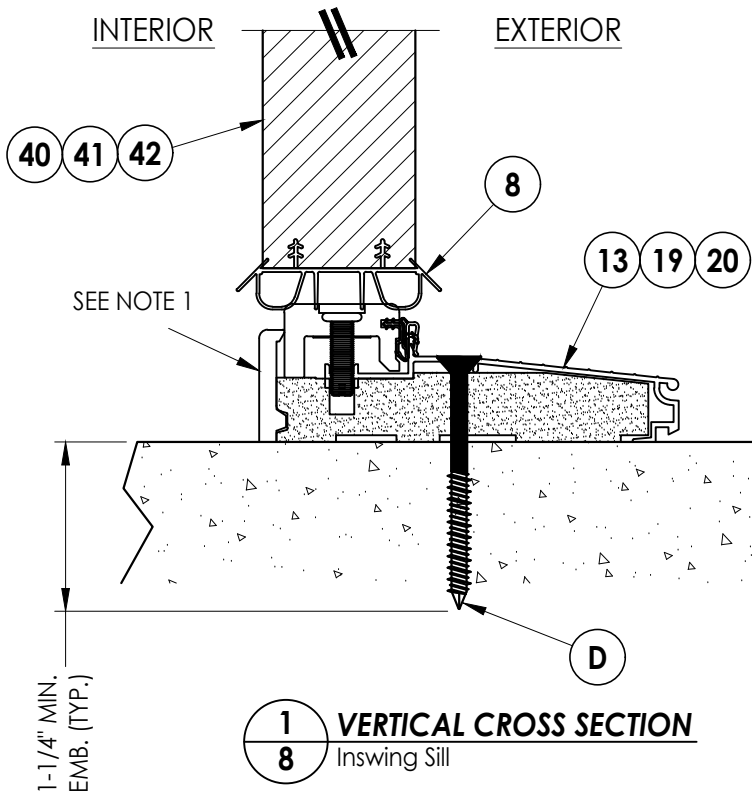
CHK. BY: LFS

DRAWING NO.: FL-23955.6

SHEET 7 OF 13

Z:\2023 FBC Drawings\Therma-Tru\FL-23955 R3\FL-23955.4-6.dwg

- Notes:
- Sill Item #'s 13, 16, 17, 19 & 20 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.  
Sill Item #'s 14 & 15 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.  
Sill Item # 18 is attached to jambs utilizing (4) #10 X 1-1/2" pph screws at each end.
  - Sidelite assembly screws located 4" from each end (2 screws total along sill).



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:  
THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
VERTICAL CROSS  
SECTIONS (THRESHOLDS)

| NO. | DATE    | REVISIONS                |     |    |
|-----|---------|--------------------------|-----|----|
|     |         | LFS                      | FBC | BY |
| 2   | 8/22/23 | UPDATE TO 8TH ED. (2023) | FBC |    |
| 1   | 8/05/20 | UPDATE TO 7th ED (2020)  | FBC |    |

DATE: 3/25/20

SCALE: N.T.S.

DWG. BY: RW

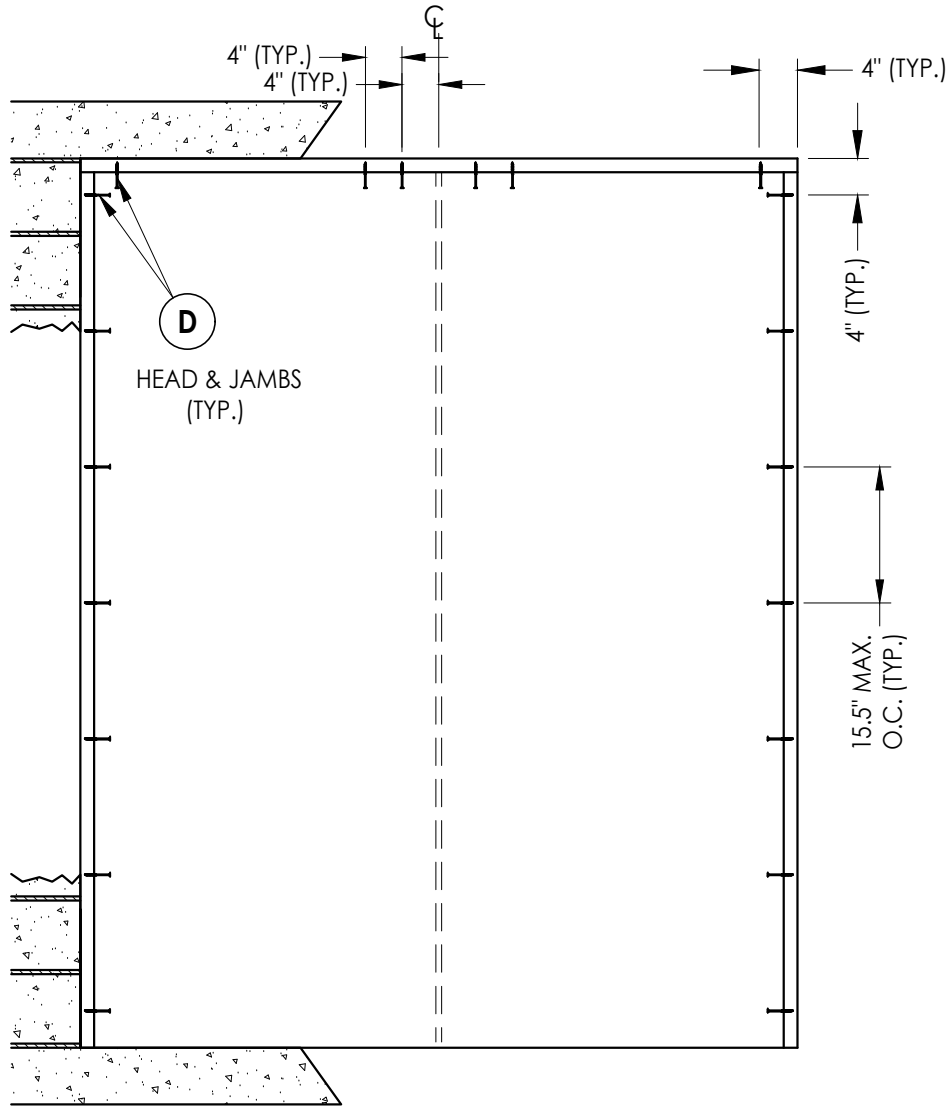
CHK. BY: LFS

DRAWING NO.:

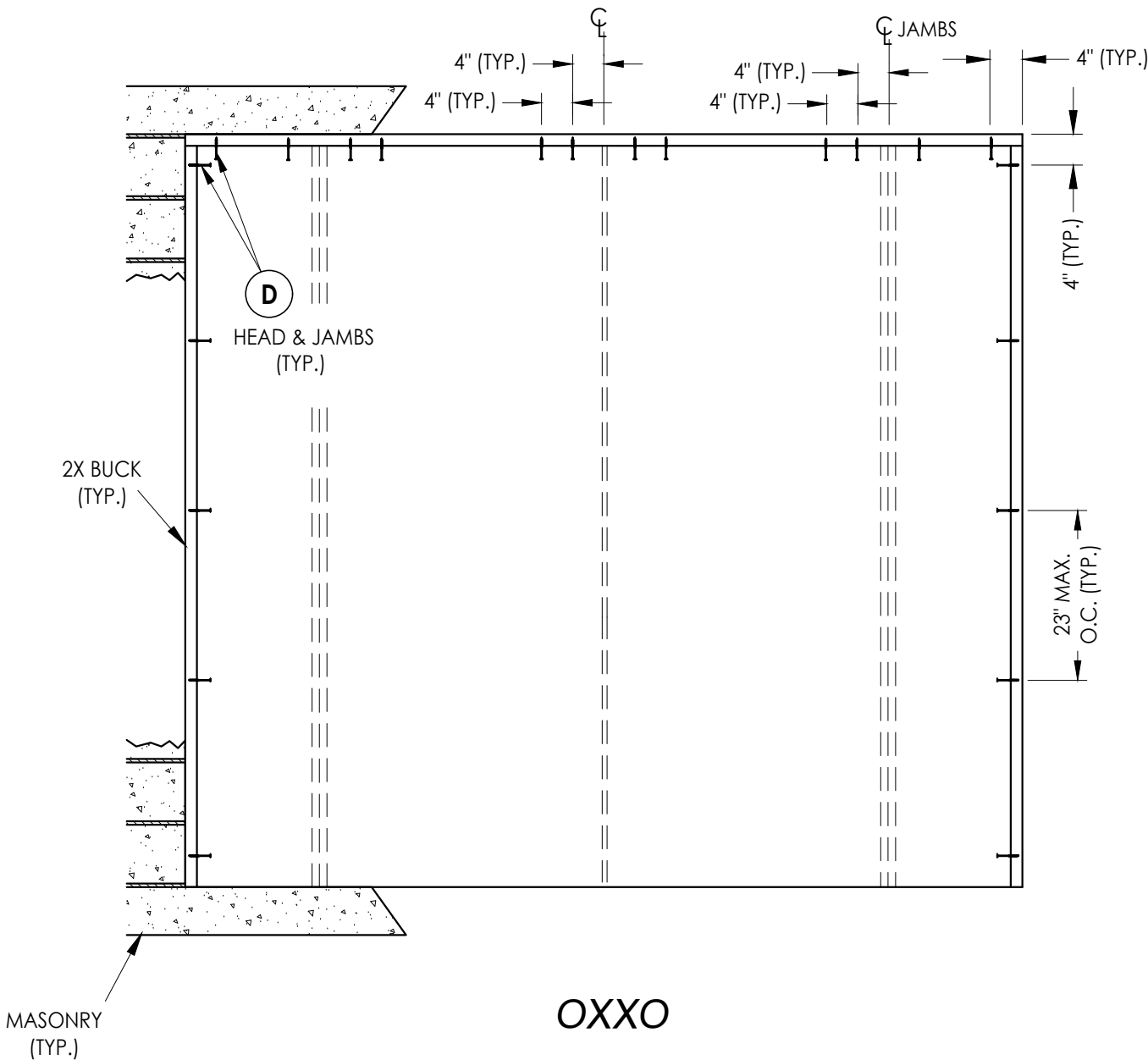
FL-23955.6

SHEET 8 OF 13

Z:\2023 FBC Drawings\Therma-Tru\FL-23955 R3\FL-23955.4-6.dwg



XX



OXXO

**2X BUCK ANCHORING**

|                                                               |  |                                     |  |                                                                                                                         |         |                          |         |
|---------------------------------------------------------------|--|-------------------------------------|--|-------------------------------------------------------------------------------------------------------------------------|---------|--------------------------|---------|
| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409 |  |                                     |  | R.W. BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Vairico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |         |                          |         |
| PRODUCT:<br>THERMA-TRU<br>FIBERGLASS DOOR                     |  | PART OR ASSEMBLY:<br>BUCK ANCHORING |  |                                                                                                                         |         |                          |         |
|                                                               |  |                                     |  | 2                                                                                                                       | 8/22/23 | UPDATE TO 8TH ED. (2023) | FBC LFS |
|                                                               |  |                                     |  | 1                                                                                                                       | 8/05/20 | UPDATE TO 7th ED (2020)  | FBC LFS |
|                                                               |  |                                     |  | NO                                                                                                                      | DATE    |                          | BY      |
| REVISIONS                                                     |  |                                     |  |                                                                                                                         |         |                          |         |
| DATE: 3/25/20                                                 |  |                                     |  |                                                                                                                         |         |                          |         |
| SCALE: N.T.S.                                                 |  |                                     |  |                                                                                                                         |         |                          |         |
| DWG. BY: RW                                                   |  |                                     |  |                                                                                                                         |         |                          |         |
| CHK. BY: LFS                                                  |  |                                     |  |                                                                                                                         |         |                          |         |
| DRAWING NO.:<br>FL-23955.6                                    |  |                                     |  |                                                                                                                         |         |                          |         |
| SHEET 9 OF 13                                                 |  |                                     |  |                                                                                                                         |         |                          |         |

Z:\2023 FBC Drawings\Therma-Tru\FL-23955 R3\FL-23955.4-6.dwg

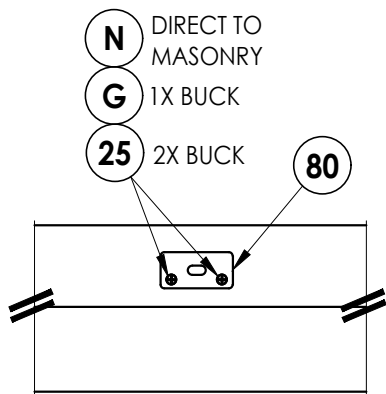


|              |            |
|--------------|------------|
| DATE:        | 3/25/20    |
| SCALE:       | N.T.S.     |
| DWG. BY:     | RW         |
| CHK. BY:     | LFS        |
| DRAWING NO.: | FL-23955.6 |
| SHEET        | 10 OF 13   |

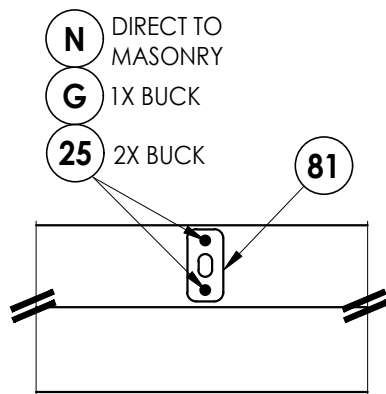
**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

© 2020 R.W. BUILDING CONSULTANTS INC.

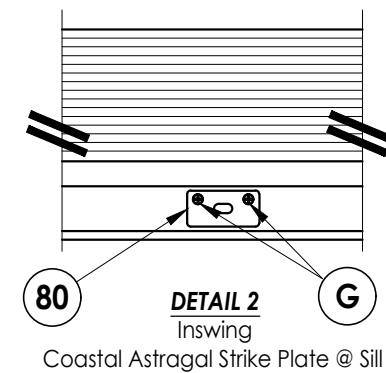
Z:\2023 FBC Drawings\Therma-Tru\FL-23955 R3\FL-23955.4-6.dwg



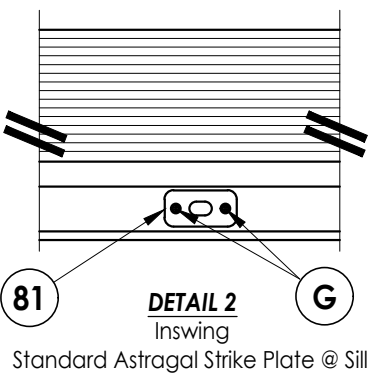
**DETAIL 1**  
Coastal Astragal Strike Plate @ Head



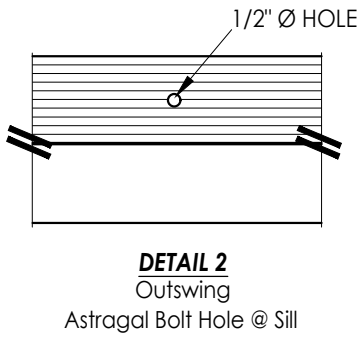
**DETAIL 1**  
Standard Astragal Strike Plate @ Head



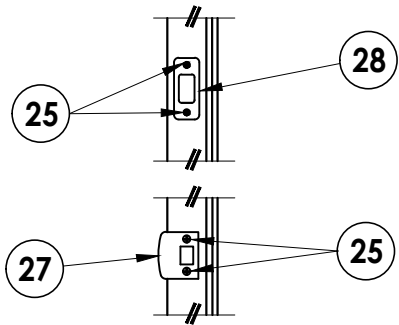
**DETAIL 2**  
Inswing  
Coastal Astragal Strike Plate @ Sill



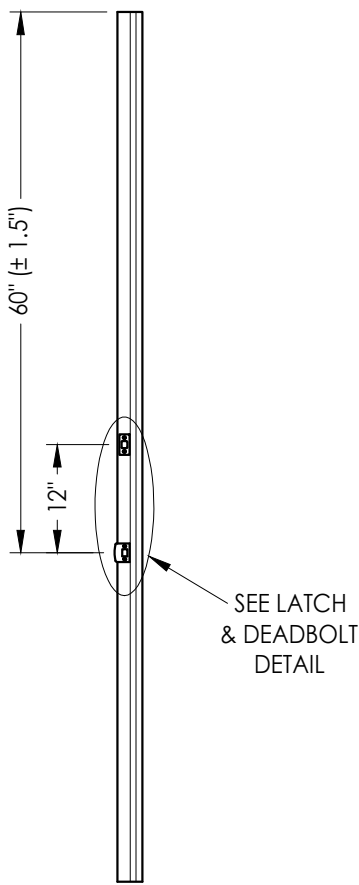
**DETAIL 2**  
Inswing  
Standard Astragal Strike Plate @ Sill



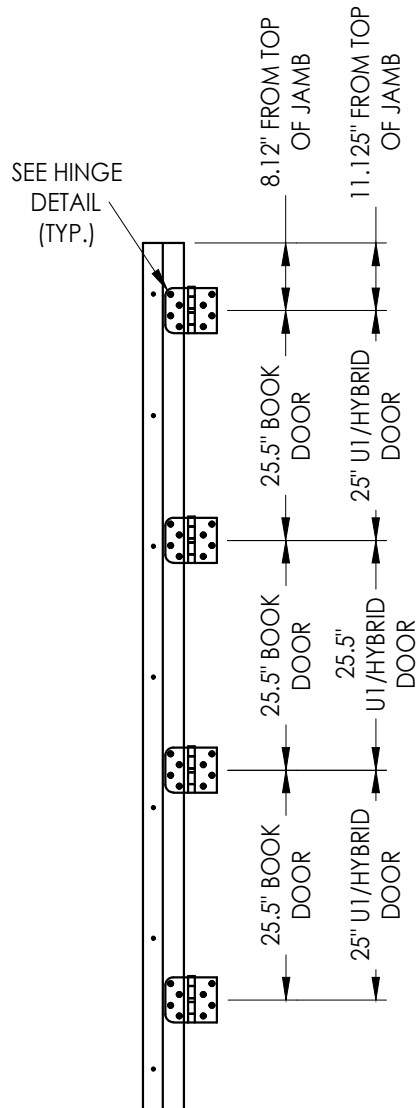
**DETAIL 2**  
Outswing  
Astragal Bolt Hole @ Sill



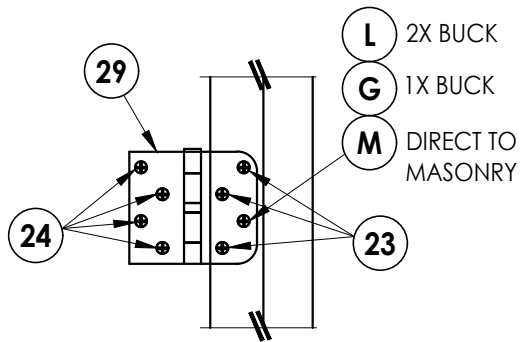
**LATCH & DEADBOLT DETAIL**



**ASTRAGAL**  
Latch & Deadbolt



**HINGE JAMB**



**HINGE DETAIL**

DATE: 03/25/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:  
FL-23955.6

SHEET 11 OF 13

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

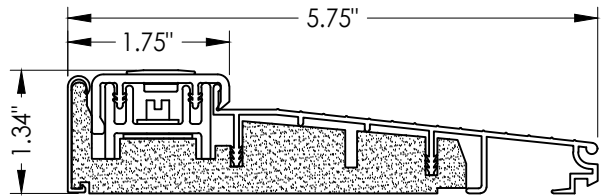
**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

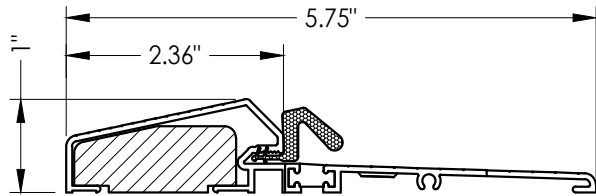
PART OR ASSEMBLY:  
HARDWARE DETAILS

| NO. | DATE    | REVISIONS                        |
|-----|---------|----------------------------------|
| 2   | 8/22/23 | UPDATE TO 8TH ED. (2023) FBC LFS |
| 1   | 8/05/20 | UPDATE TO 7th ED (2020) FBC LFS  |

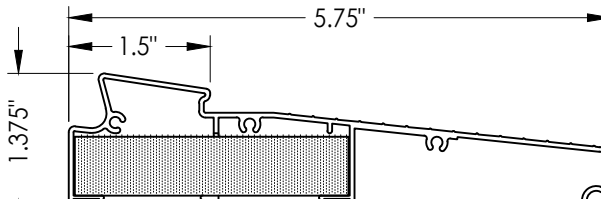
Z:\2023 FBC Drawings\Therma-Tru\FL-23955 R3\FL-23955.4-6.dwg



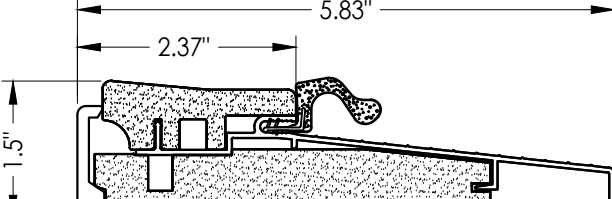
**13 INSWING THRESHOLD**  
Adjustable



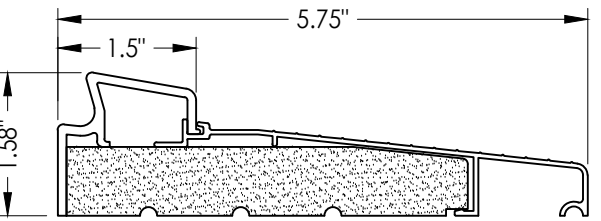
**14 OUTSWING THRESHOLD**



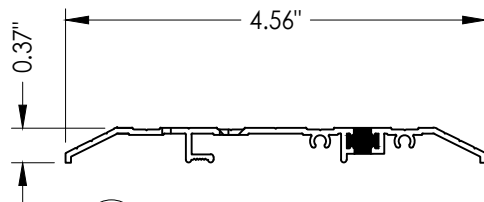
**15 INSWING THRESHOLD**  
Moderate Climate



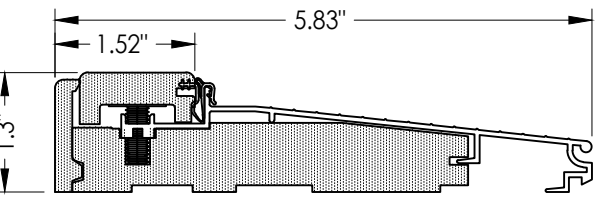
**16 OUTSWING THRESHOLD**



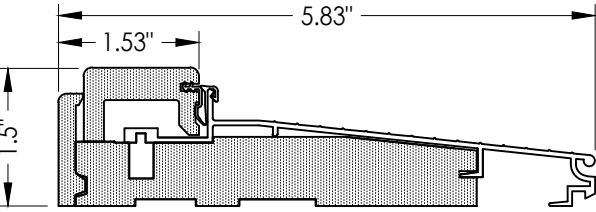
**17 INSWING THRESHOLD**  
Basic Fixed



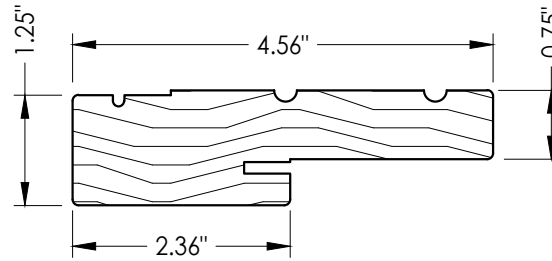
**18 PUBLIC ACCESS THRESHOLD**



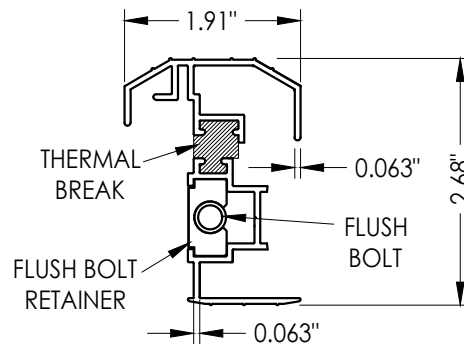
**19 INSWING THRESHOLD**  
Adjustable



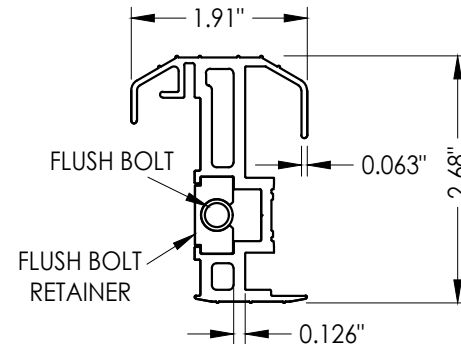
**20 INSWING THRESHOLD**  
Adjustable



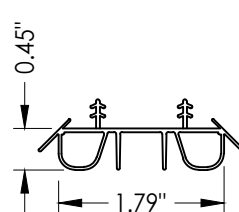
**1 WOOD JAMB**



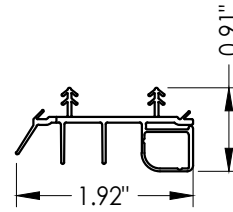
**33 STANDARD ALUMINUM ASTRAGAL**



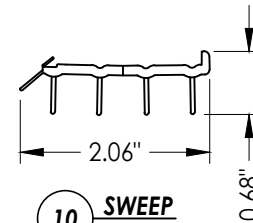
**34 COASTAL ALUMINUM ASTRAGAL**



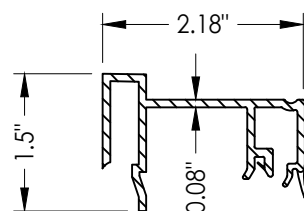
**8 SWEEP**



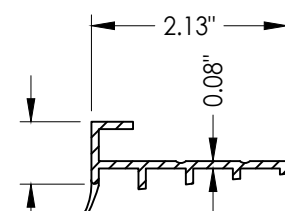
**9 SWEEP**



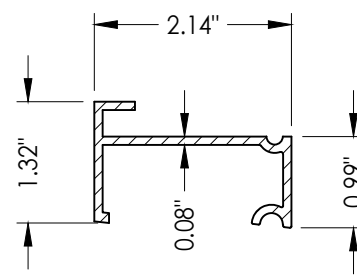
**10 SWEEP**



**75 SIDELITE SPACER**  
Inswing



**76 SIDELITE SPACER**  
Outswing



**77 INSWING SIDELITE**  
Adapter  
Moderate Climate Sill

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:  
THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:

COMPONENTS

| NO. | DATE    | REVISIONS                |     |     |
|-----|---------|--------------------------|-----|-----|
|     |         | BY                       | LFS | FBC |
| 2   | 8/22/23 | UPDATE TO 8TH ED. (2023) | FBC | LFS |
| 1   | 8/05/20 | UPDATE TO 7th ED (2020)  | FBC | LFS |

DATE: 3/25/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-23955.6

SHEET 12 OF 13

Z:\2023 FBC Drawings\Therma-Tru\FL-23955 R3\FL-23955.4-6.dwg

| BILL OF MATERIALS |                                                                                                |           |
|-------------------|------------------------------------------------------------------------------------------------|-----------|
| ITEM #            | DESCRIPTION                                                                                    | MATERIAL  |
| A                 | 1X BUCK (SG >= 0.42)                                                                           | WOOD      |
| B                 | 2X BUCK (SG >= 0.42)                                                                           | WOOD      |
| C                 | 1/4" MAX. SHIM SPACE                                                                           | -         |
| D                 | 1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL     |
| E                 | MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90 | CONCRETE  |
| F                 | #10 X 2" PFH WOOD SCREW                                                                        | STEEL     |
| G                 | 3/16" X 3-1/4" PFH ITW CONCRETE SCREW                                                          | STEEL     |
| J                 | 1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL     |
| K                 | 1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL     |
| L                 | #10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)                                             | STEEL     |
| M                 | 3/16" X 2-1/4" PFH ITW CONCRETE SCREW                                                          | STEEL     |
| 1                 | JAMB (FINGER JOINT PINE)                                                                       | WOOD      |
| 7                 | WEATHERSTRIP                                                                                   | FOAM      |
| 8                 | SWEEP                                                                                          | VINYL     |
| 9                 | SWEEP (USE w/ MODERATE CLIMATE THRESHOLD)                                                      | VINYL     |
| 10                | SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)                                                         | VINYL     |
| 13                | INSWING THRESHOLD                                                                              | ALUM/COMP |
| 14                | OUTSWING THRESHOLD                                                                             | ALUM/COMP |
| 15                | INSWING THRESHOLD                                                                              | ALUM/COMP |
| 16                | OUTSWING THRESHOLD                                                                             | ALUM/COMP |
| 17                | INSWING THRESHOLD                                                                              | ALUM/COMP |
| 18                | PUBLIC ACCESS THRESHOLD                                                                        | ALUM      |
| 19                | INSWING THRESHOLD                                                                              | ALUM/COMP |
| 20                | INSWING THRESHOLD                                                                              | ALUM/COMP |
| 23                | #10 X 3/4" PFH WOOD SCREW                                                                      | STEEL     |
| 24                | #10 X 1" PFH WOOD SCREW                                                                        | STEEL     |
| 25                | #8 X 2-1/2" PFH WOOD SCREW                                                                     | STEEL     |
| 27                | LATCH STRIKE PLATE                                                                             | STEEL     |
| 28                | DEADBOLT STRIKE PLATE                                                                          | STEEL     |
| 29                | 4" X 4" HINGE                                                                                  | STEEL     |
| 33                | STANDARD ALUMINUM ASTRAGAL                                                                     | ALUM      |
| 34                | COASTAL ALUMINUM ASTRAGAL                                                                      | ALUM      |
| 40                | DOOR PANEL (BOOK DOOR)                                                                         | -         |
| 41                | DOOR PANEL (HYBRID DOOR)                                                                       | -         |
| 42                | DOOR PANEL (U1 DOOR)                                                                           | -         |
| 50                | 14" SIDELITE PANEL                                                                             | -         |
| 75                | SIDELITE SPACER (INSWING)                                                                      | PVC       |
| 76                | SIDELITE SPACER (OUTSWING)                                                                     | PVC       |
| 77                | SIDELITE SPACER (INSWING) - Moderate Climate Sill                                              | PVC       |
| 80                | COASTAL ASTRAGAL STRIKE PLATE                                                                  | STEEL     |
| 81                | STANDARD ASTRAGAL STRIKE PLATE                                                                 | STEEL     |

CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. 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.
3. 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 ULTRA CON+® | 1/4"        | 1-1/4"         | 1"                             | 4"                                |
| ITW TAPCON®        | 3/16"       | 1-1/4"         | AS SHOWN                       | 1-1/2"                            |

WOOD SCREW INSTALLATION NOTES:

1. 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

PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
BILL OF MATERIALS

REVISIONS

DATE: 3/25/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-23955.6

SHEET 13 OF 13

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

© 2020 R.W. BUILDING CONSULTANTS INC.