

Z:\2023 FBC Drawings\Therma-Tru\FL-21133 R10\FL-21133.9-11.dwg

# Therma-Tru® DOORS

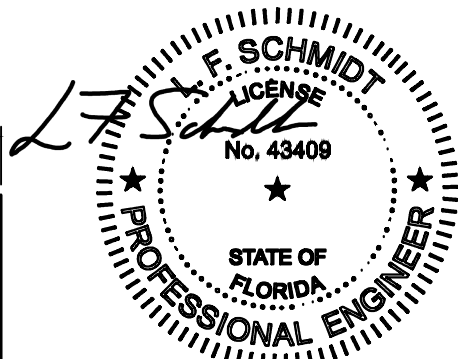
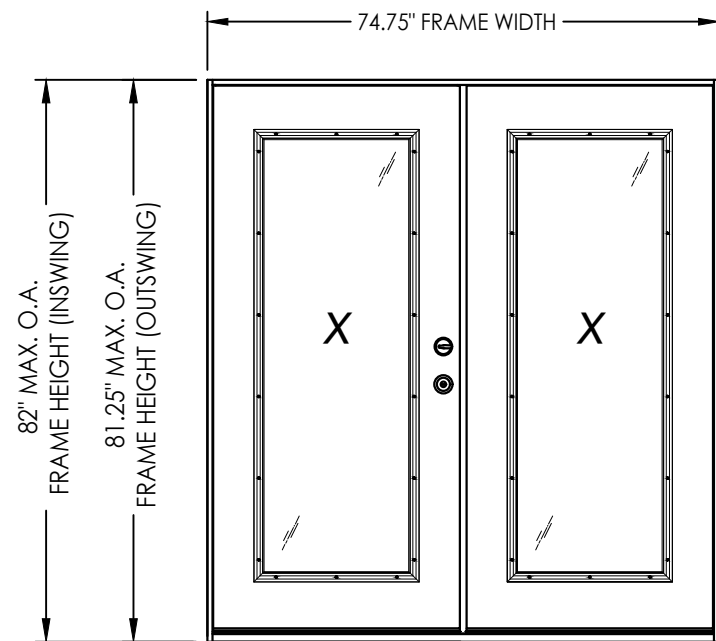
Fiber-Classic® & Smooth-Star®

## WOOD EDGE GLAZED 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.
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.
6. Fiber-Classic & Smooth-Star Door and Sidelite panels require the use of "J" part numbers and must be stained or painted within six months of installation.

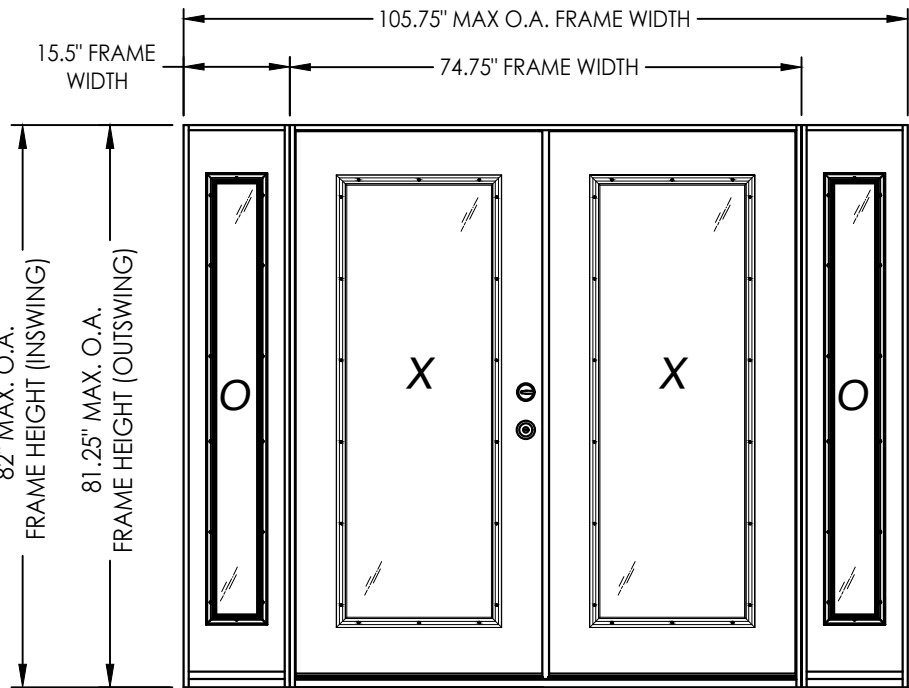
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Digitally signed by Lyndon F Schmidt  
Date: 2023.08.23 16:04:52 -04'00'

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



| CONFIGURATION | ASTRAGAL | DESIGN PRESSURE (PSF)<br>INSWING |          | DESIGN PRESSURE (PSF)<br>OUTSWING |          |
|---------------|----------|----------------------------------|----------|-----------------------------------|----------|
|               |          | POSITIVE                         | NEGATIVE | POSITIVE                          | NEGATIVE |
| XX, OXXO      | STANDARD | +40.0                            | -40.0    | +40.0                             | -40.0    |
| XX, OXXO      | COASTAL  | +50.0                            | -50.0    | +50.0                             | -50.0    |

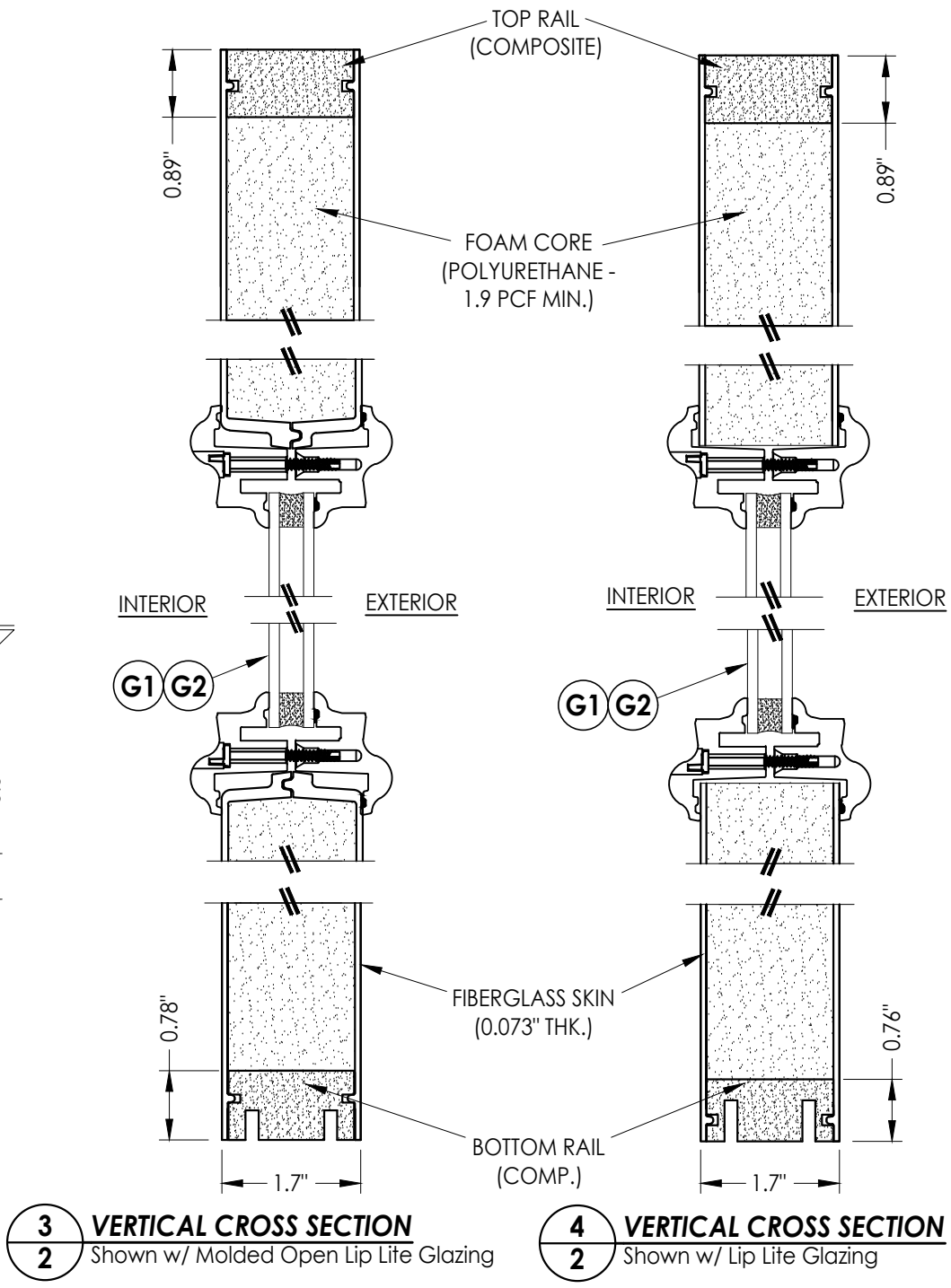
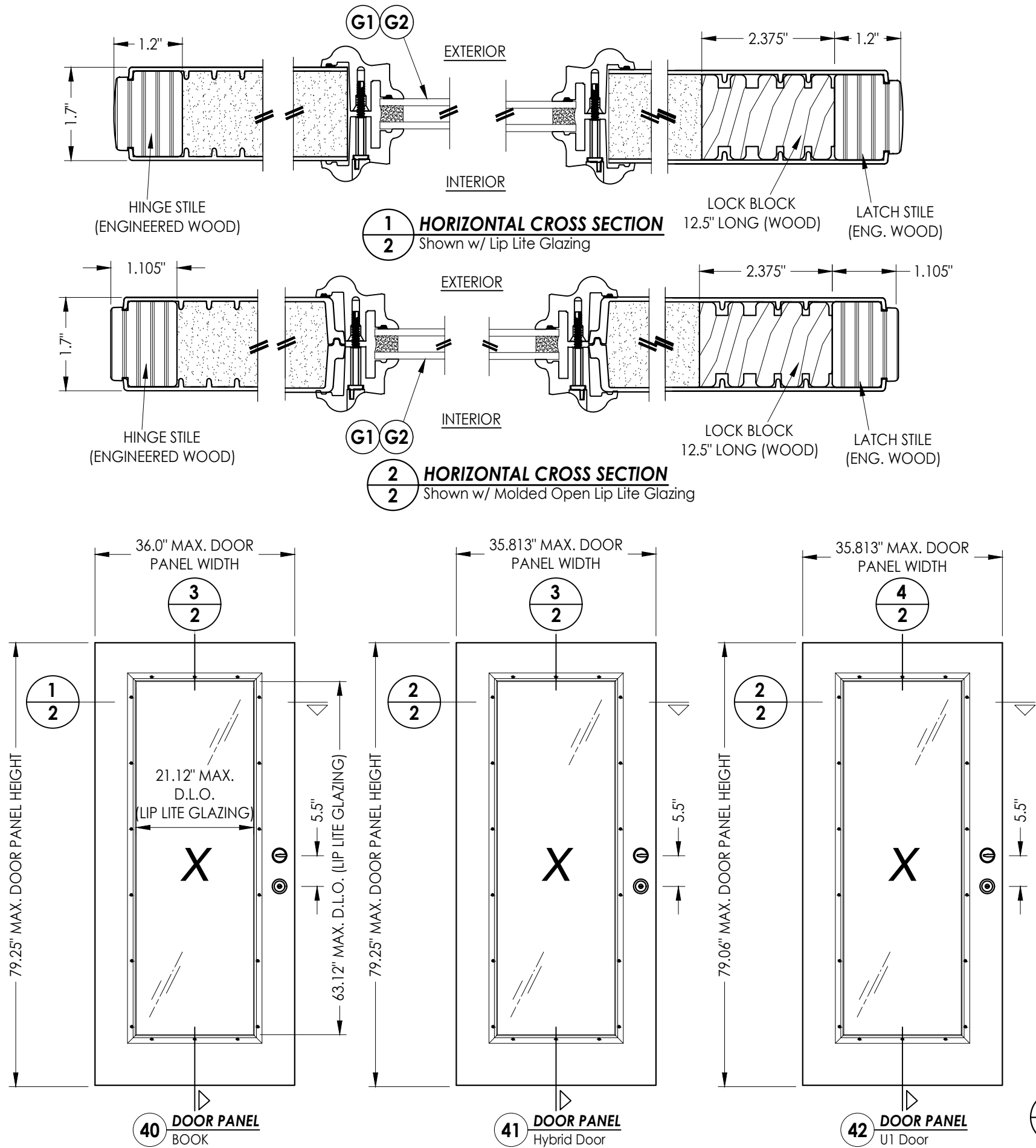
See Sheet 5 for Hardware Specifications

| PRODUCT:                      |          | PART OR ASSEMBLY:                                      |     |
|-------------------------------|----------|--------------------------------------------------------|-----|
| THERMA-TRU<br>FIBERGLASS DOOR |          | TYPICAL ELEVATION, DESIGN<br>PRESSURES & GENERAL NOTES |     |
| 5                             | 8/23/23  | UPDATE TO 8TH ED. (2023) FBC                           | LFS |
| 4                             | 7/16/20  | UPDATE TO 7th ED (2020) FBC                            | PO  |
| 3                             | 10/10/18 | REV. DOOR PANEL OPTION NOTE                            | MT  |
| 2                             | 3/10/18  | REVISE FLUSH GLAZING                                   | RW  |
| 1                             | 11/15/17 | RECESSED PANEL NOTATION                                | JK  |
|                               | NO. DATE |                                                        | BY  |
| REVISIONS                     |          |                                                        |     |
| DATE: 07/07/17                |          |                                                        |     |
| SCALE: N.T.S.                 |          |                                                        |     |
| DWG. BY: JK                   |          |                                                        |     |
| CHK. BY: LFS                  |          |                                                        |     |
| DRAWING NO.: FL-21133.11      |          |                                                        |     |
| SHEET 1 OF 15                 |          |                                                        |     |

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

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FBPE Registry No. 9813

PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
DOOR PANEL DETAILS

|     | LFS      | FBC                         | PO | MT | RW | JK | BY |
|-----|----------|-----------------------------|----|----|----|----|----|
| 5   | 8/23/23  | UPDATE TO 8TH ED. (2023)    |    |    |    |    |    |
| 4   | 7/16/20  | UPDATE TO 7th ED (2020)     |    |    |    |    |    |
| 3   | 10/10/18 | REV. DOOR PANEL OPTION NOTE |    |    |    |    |    |
| 2   | 3/10/18  | REVISE FLUSH GLAZING        |    |    |    |    |    |
| 1   | 11/15/17 | RECESSED PANEL NOTATION     |    |    |    |    |    |
| NO. | DATE     | REVISIONS                   |    |    |    |    |    |

DATE: 07/07/17

SCALE: N.T.S.

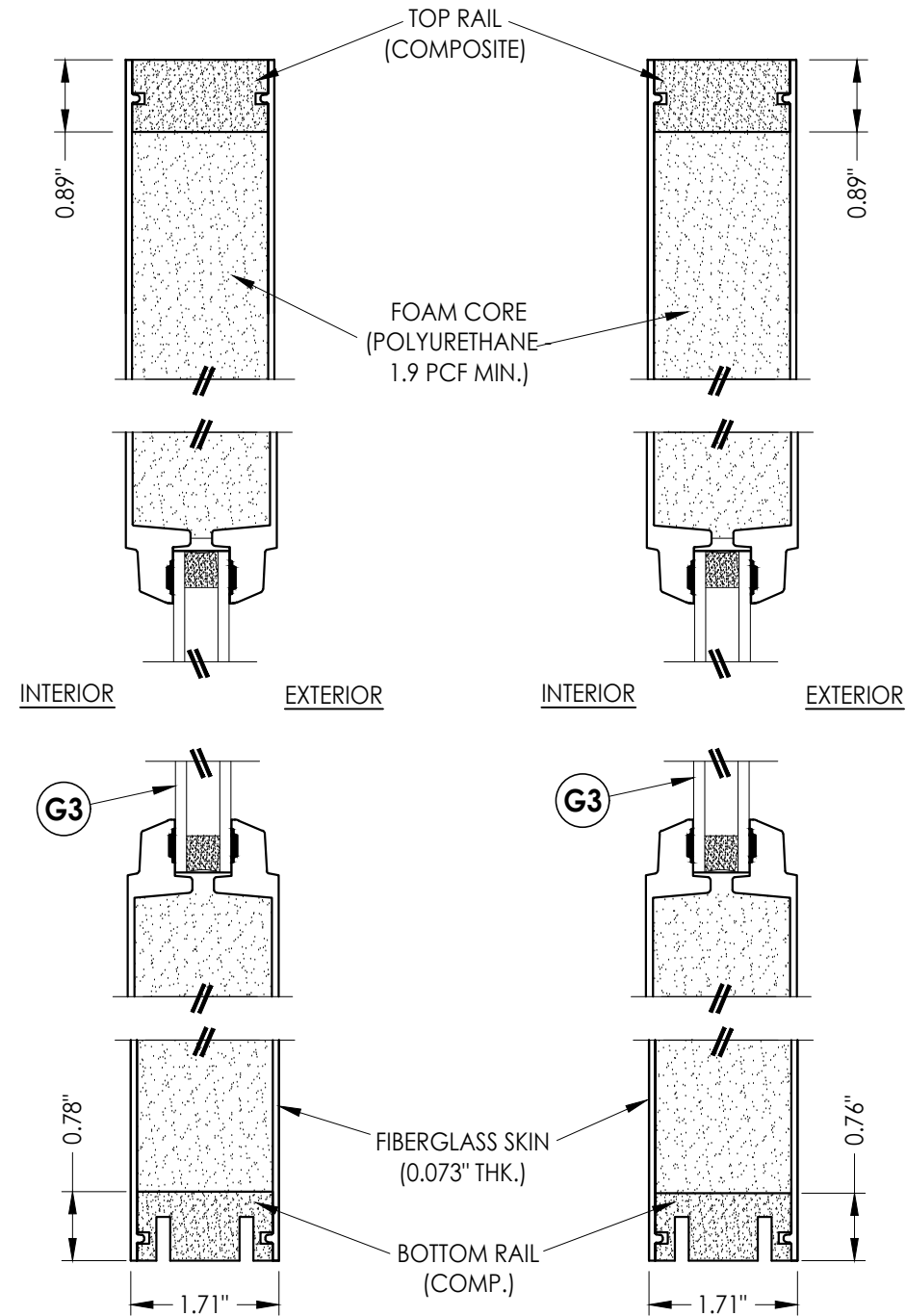
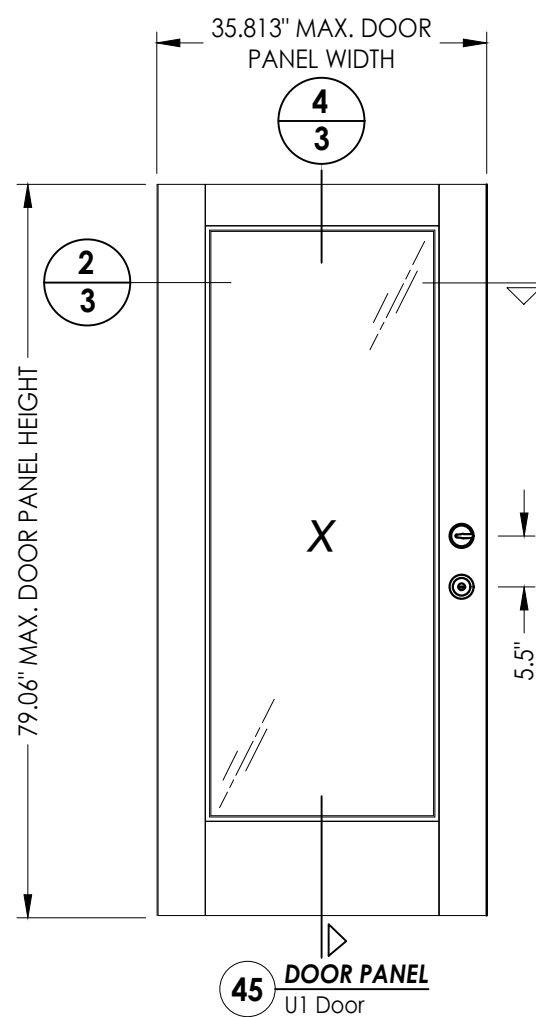
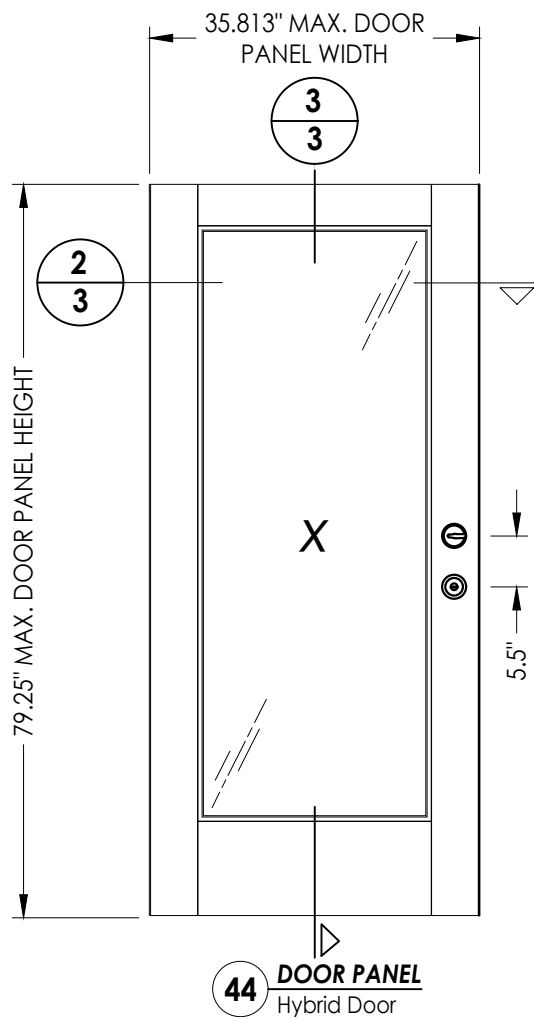
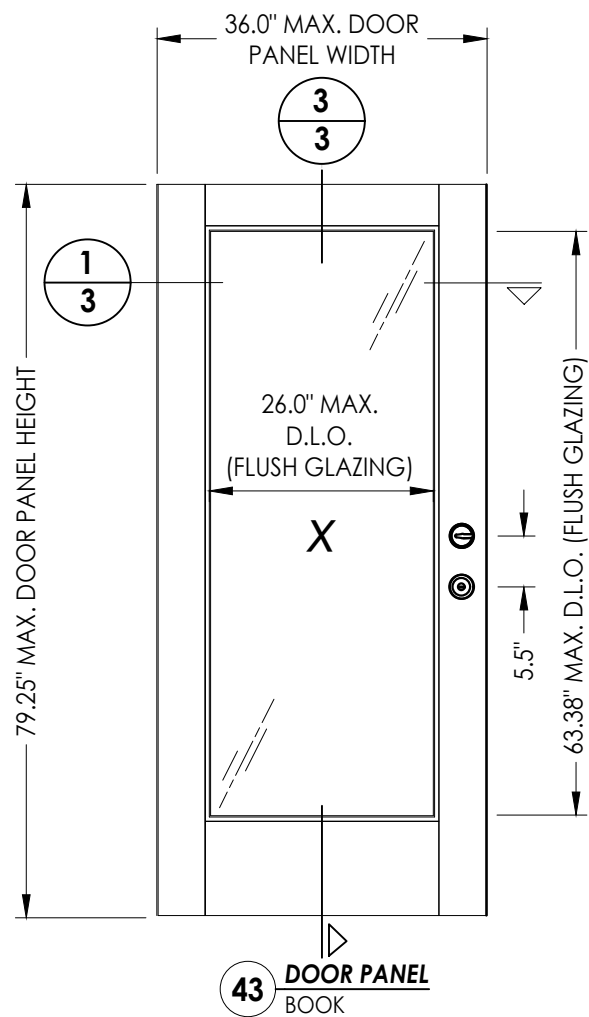
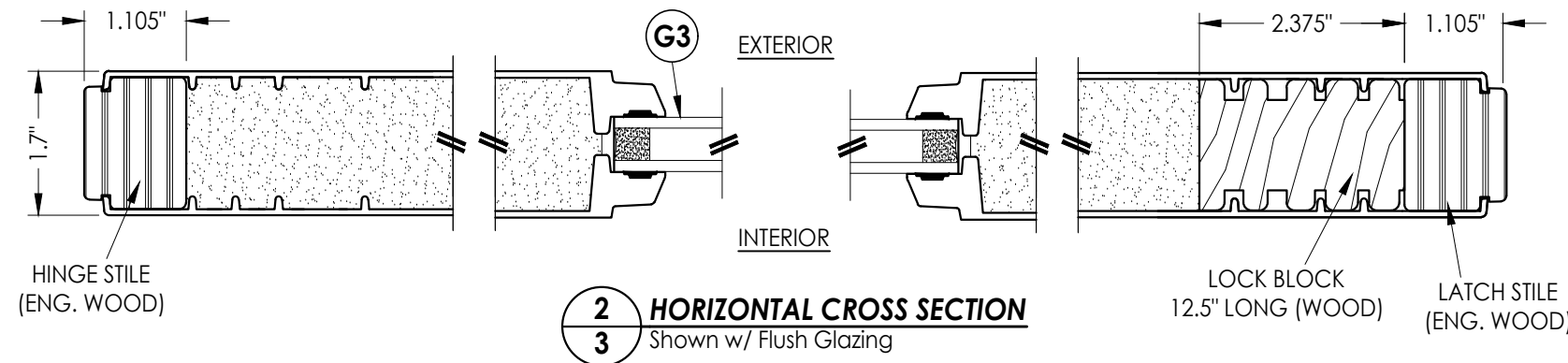
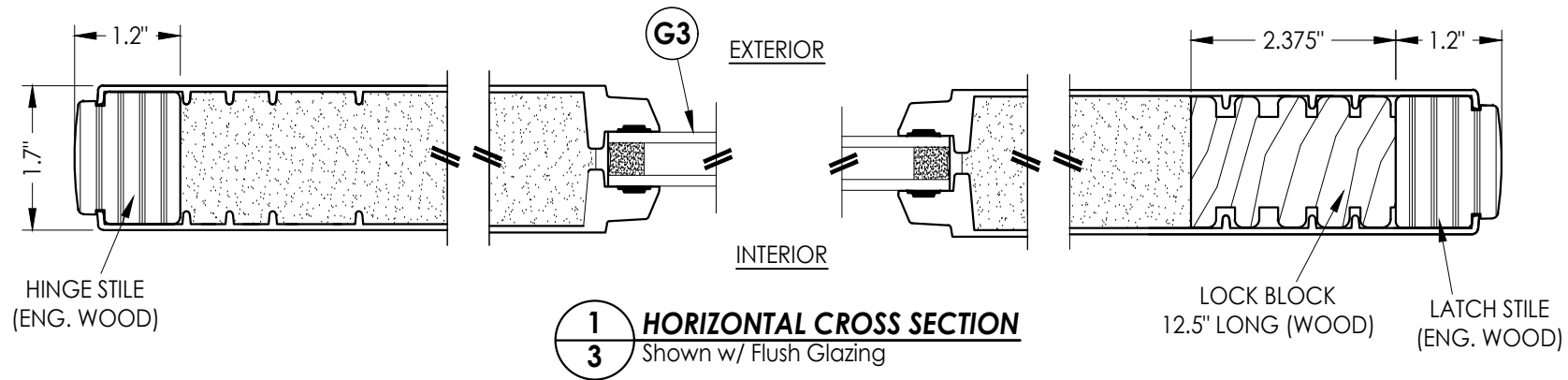
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-21133.11

SHEET 2 OF 15

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FBPE Registry No. 9813

PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
DOOR PANEL DETAILS

| NO. | DATE     | REVISIONS                    |
|-----|----------|------------------------------|
| 5   | 8/23/23  | UPDATE TO 8TH ED. (2023) FBC |
| 4   | 7/16/20  | UPDATE TO 7th ED (2020) FBC  |
| 3   | 10/10/18 | REV. DOOR PANEL OPTION NOTE  |
| 2   | 3/10/18  | REVISE FLUSH GLAZING         |
| 1   | 11/15/17 | RECESSED PANEL NOTATION      |
| NO. | DATE     | BY                           |

DATE: 07/07/17

SCALE: N.T.S.

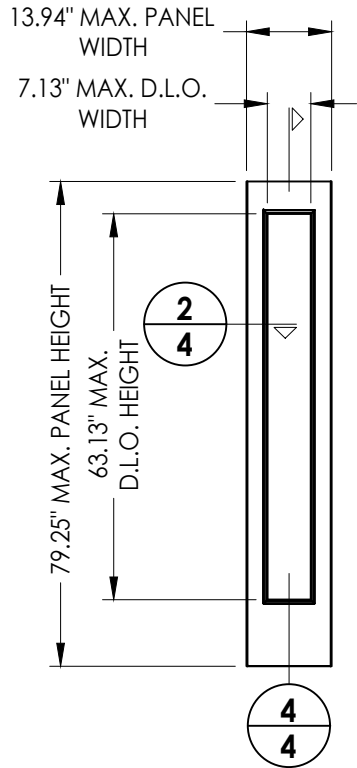
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CHK. BY: LFS

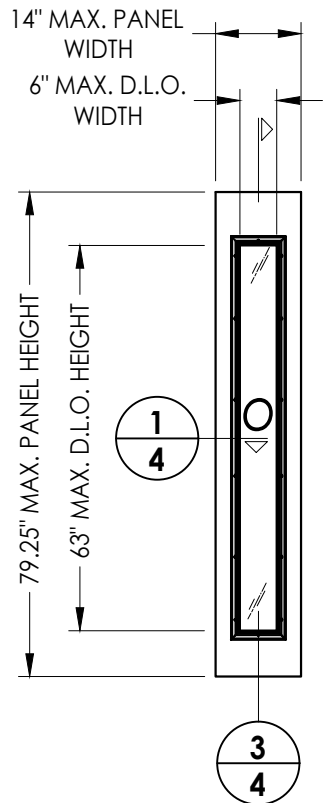
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SHEET 3 OF 15

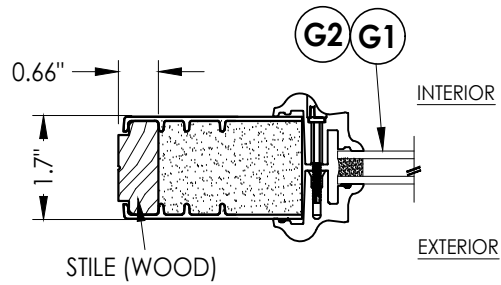
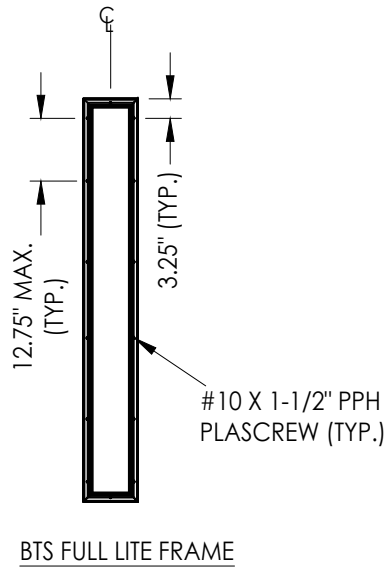
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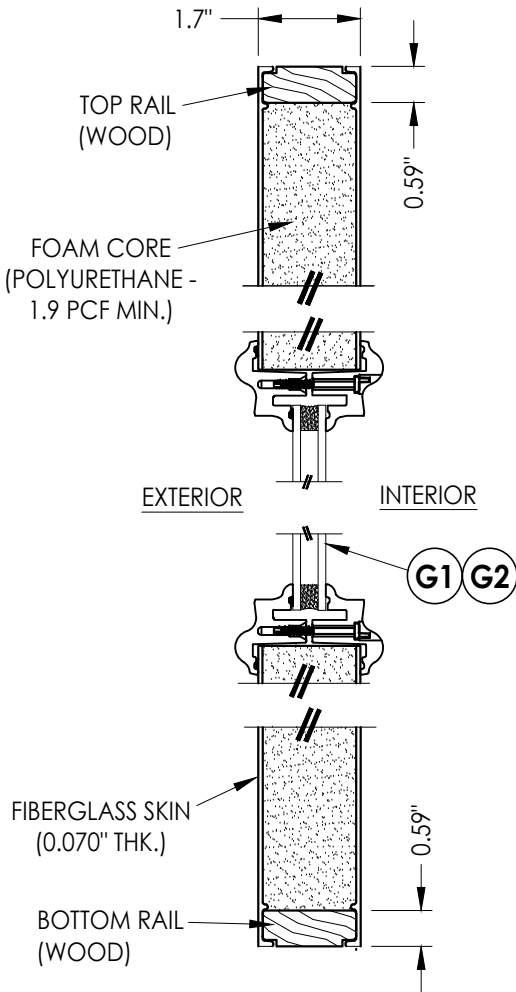
**60 SIDELITE PANEL**  
Full Lite  
Flush Glazed



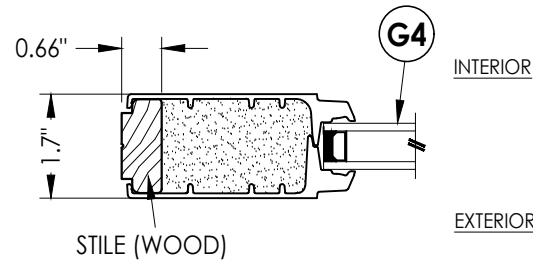
**50 SIDELITE PANEL**  
Full Lite  
Lip Lite



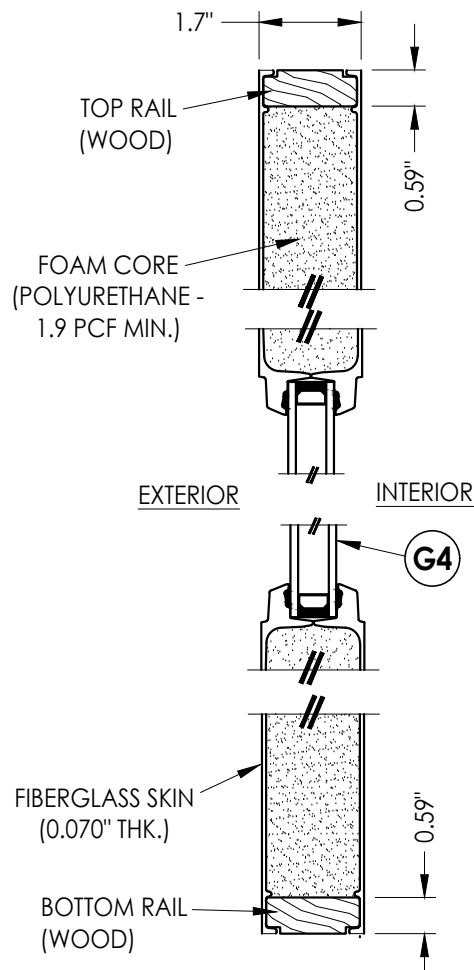
**1/4 HORIZONTAL CROSS SECTION**  
Lip Lite Glazing



**3/4 VERTICAL CROSS SECTION**  
Lip Lite Glazing Shown



**2/4 HORIZONTAL CROSS SECTION**  
Flush Glazing



**4/4 VERTICAL CROSS SECTION**  
Flush Glazing Shown

Documents Prepared By:  
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FBPE Registry No. 9813

PRODUCT: THERMA TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
SIDELITE PANEL DETAILS

| NO. | DATE     | REVISIONS                |
|-----|----------|--------------------------|
| 5   | 8/23/23  | UPDATE TO 8TH ED. (2023) |
| 4   | 7/16/20  | UPDATE TO 7th ED (2020)  |
| 3   | 10/10/18 | REV. DOOR PANEL OPTION   |
| 2   | 3/10/18  | REVISE FLUSH GLAZING     |
| 1   | 11/15/17 | RECESSED PANEL NOTATION  |

DATE: 07/07/17

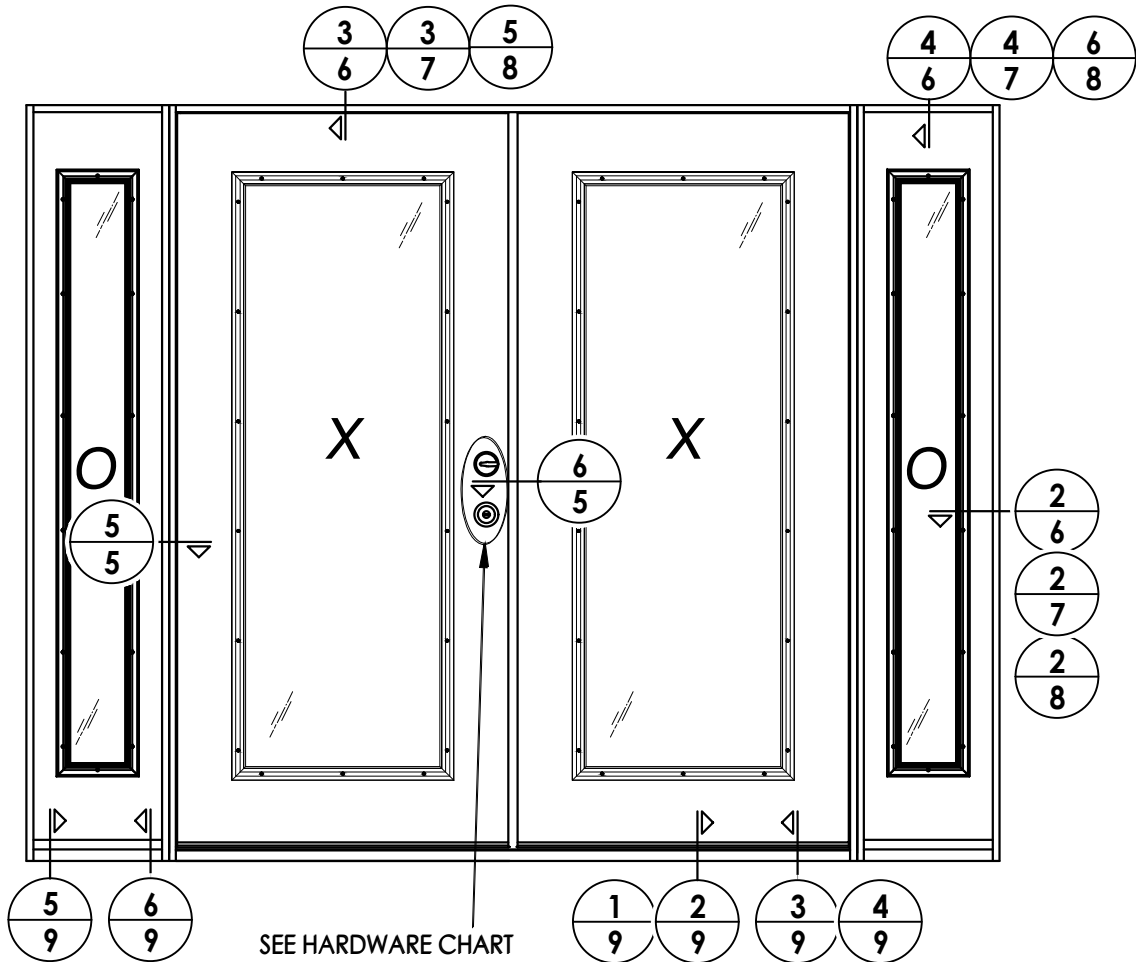
SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-21133.11

SHEET 4 OF 15



### **Fiber-Classic/Smooth-Star Door Panel Options**

Products approved include all embossed panel doors and 2 panel recessed panel doors.  
Similar glazed panel configurations are allowed.  
Panels shown are for illustration and are representative only.

| HARDWARE TABLE        |                                                            |  |
|-----------------------|------------------------------------------------------------|--|
| MANUFACTURER          | MODEL                                                      |  |
| SCHLAGE               | KNOB: F51<br>DEADBOLT: B60                                 |  |
| KWIKSET               | KNOB: SIGNATURE SERIES<br>DEADBOLT: SIGNATURE SERIES (980) |  |
| HOPPE<br>(THERMA TRU) | MULTIPOINT : MPDGSB<br>(3 pt. Manual Shootbolt)            |  |

|           |          |                          |          |     |
|-----------|----------|--------------------------|----------|-----|
| 5         | 8/23/23  | UPDATE TO 8TH ED. (2023) | FBC      | LFS |
| 4         | 7/16/20  | UPDATE TO 7th ED (2020)  | FBC      | PO  |
| 3         | 10/10/18 | REV. DOOR PANEL OPTION   | NOTE     | MT  |
| 2         | 3/10/18  | REVISE FLUSH GLAZING     |          | RW  |
| 1         | 11/15/17 | RECESSED PANEL           | NOTATION | JK  |
| NO.       | DATE     |                          |          |     |
| REVISIONS |          |                          |          |     |

|              |             |
|--------------|-------------|
| DATE:        | 07/07/17    |
| SCALE:       | N.T.S.      |
| DWG. BY:     | JK          |
| CHK. BY:     | LFS         |
| DRAWING NO.: | FL-21133.11 |
| SHEET        | 5 OF 15     |

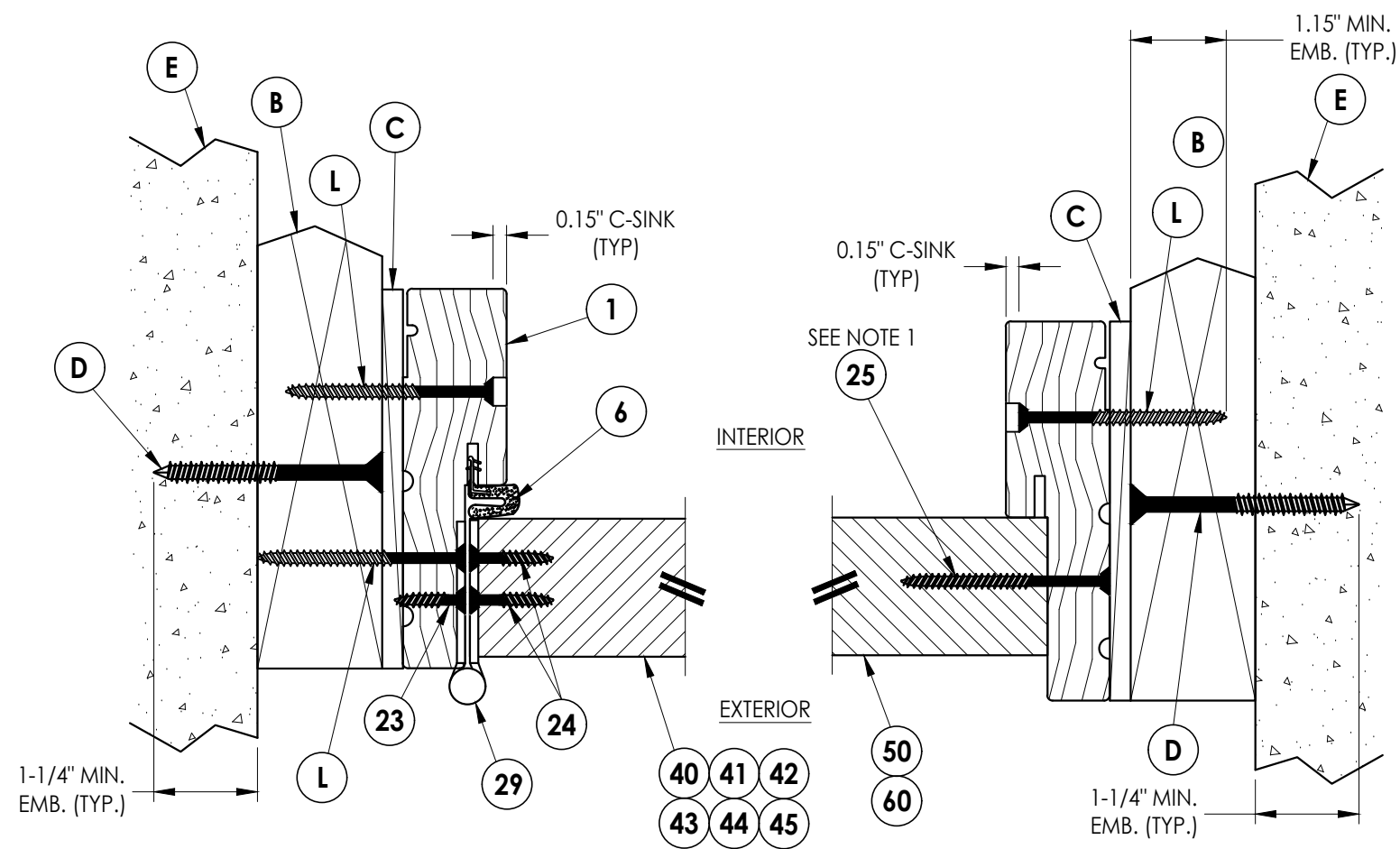
PRODUCT: THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY: ELEVATIONS

*RW* BUILDING CC  
P.O. Box 23  
Phone No.:  
FBPE Regist

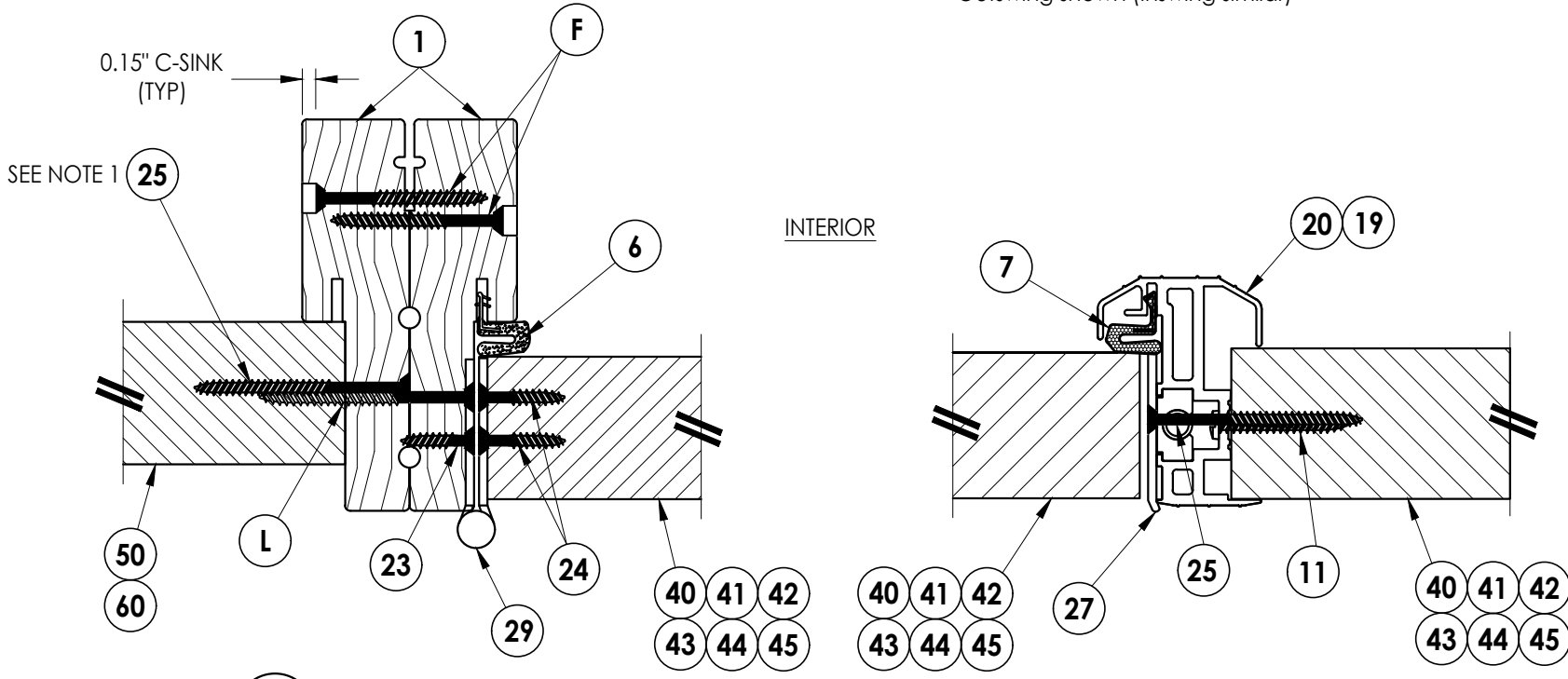
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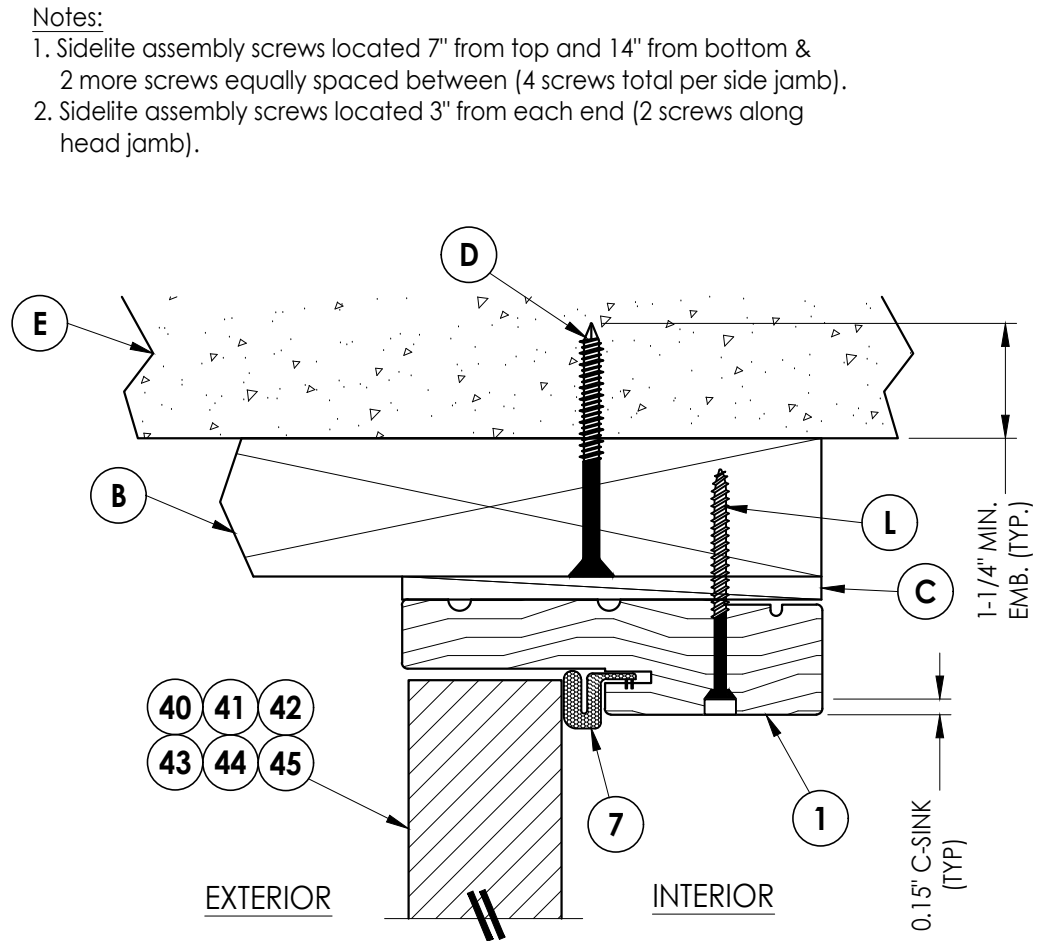
**1**  
**6** **HORIZONTAL CROSS SECTION**  
Shown w/ 2X Buck  
Outswing shown (Inswing similar)

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



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

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



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

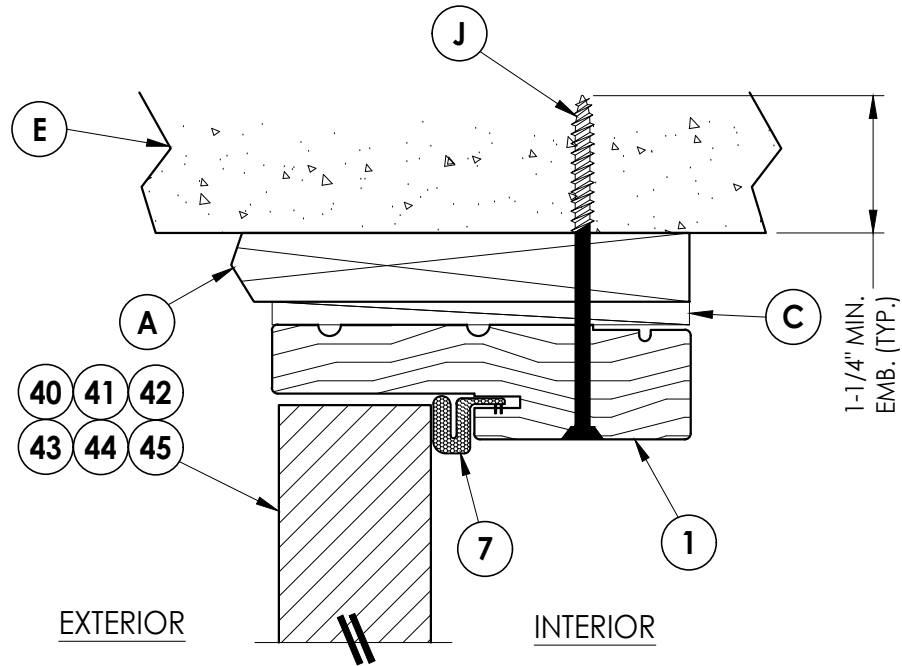
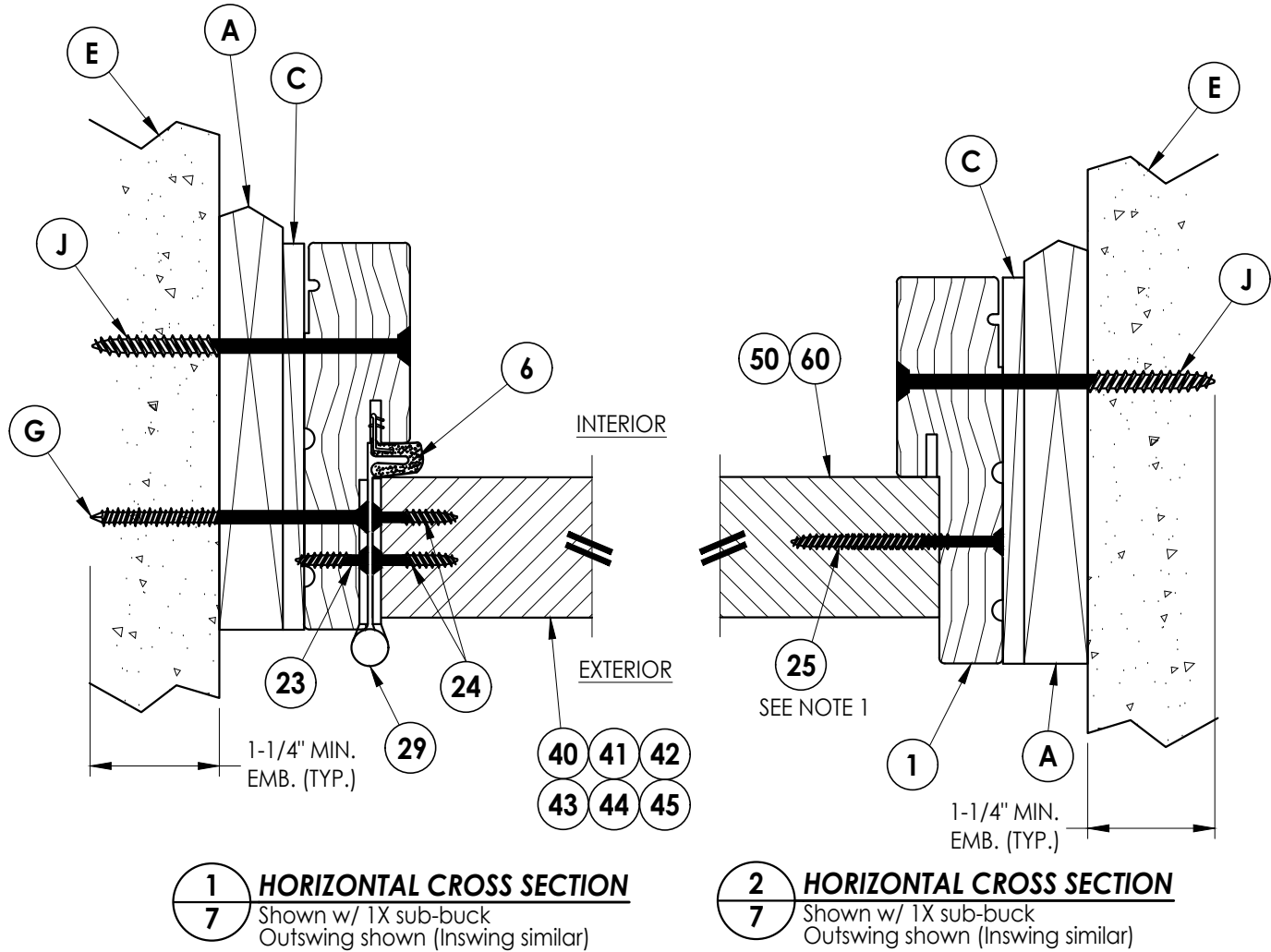
**4**  
**6** **VERTICAL CROSS SECTION**  
Shown w/ 2X Buck  
Outswing shown (Inswing similar)

- 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 3" from each end (2 screws along head jamb).

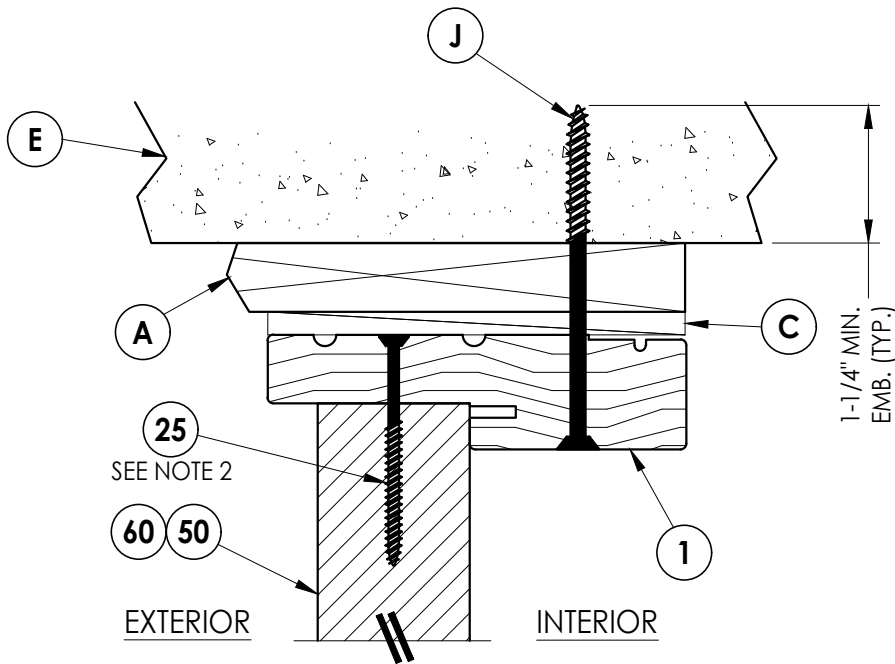
|                                                               |          |                                                                                                                    |      |
|---------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------|------|
| 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:<br>THERMA-TRU<br>FIBERGLASS DOOR                     |          | PART OR ASSEMBLY:<br>HORIZONTAL & VERTICAL<br>CROSS SECTIONS (2X BUCK)                                             |      |
| 5                                                             | 8/23/23  | UPDATE TO 8TH ED. (2023)                                                                                           | FBC  |
| 4                                                             | 7/16/20  | UPDATE TO 7th ED (2020)                                                                                            | FBC  |
| 3                                                             | 10/10/18 | REV. DOOR PANEL OPTION                                                                                             | NOTE |
| 2                                                             | 3/10/18  | REVISE FLUSH GLAZING                                                                                               | RW   |
| 1                                                             | 11/15/17 | RECESSED PANEL NOTATION                                                                                            | JK   |
| NO.                                                           |          | DATE                                                                                                               | BY   |
| REVISIONS                                                     |          |                                                                                                                    |      |
| DATE: 07/07/17                                                |          |                                                                                                                    |      |
| SCALE: N.T.S.                                                 |          |                                                                                                                    |      |
| DWG. BY: JK                                                   |          |                                                                                                                    |      |
| CHK. BY: LFS                                                  |          |                                                                                                                    |      |
| DRAWING NO.: FL-21133.11                                      |          |                                                                                                                    |      |
| SHEET 6 OF 15                                                 |          |                                                                                                                    |      |

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- 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 3" from each end (2 screws along head jamb).



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



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

Documents Prepared By:  
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P.E. No. 43409

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Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

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

| NO. | DATE     | REVISIONS                    |
|-----|----------|------------------------------|
| 5   | 8/23/23  | UPDATE TO 8TH ED. (2023) FBC |
| 4   | 7/16/20  | UPDATE TO 7th ED (2020) FBC  |
| 3   | 10/10/18 | REV. DOOR PANEL OPTION NOTE  |
| 2   | 3/10/18  | REVISE FLUSH GLAZING         |
| 1   | 11/15/17 | RECESSED PANEL NOTATION      |

DATE: 07/07/17

SCALE: N.T.S.

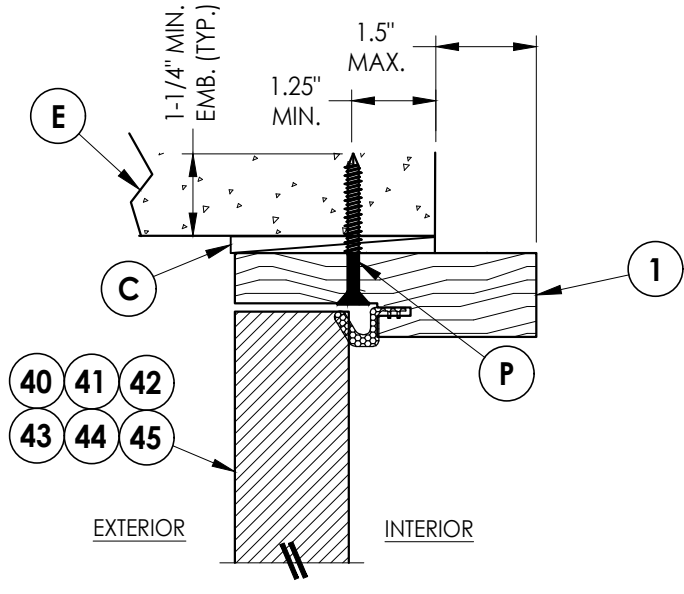
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CHK. BY: LFS

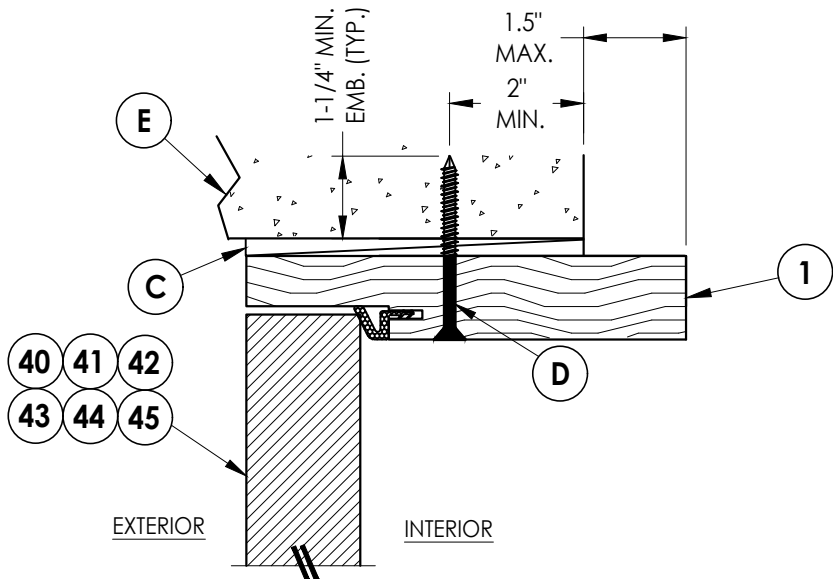
DRAWING NO.:  
FL-21133.11

SHEET 7 OF 15

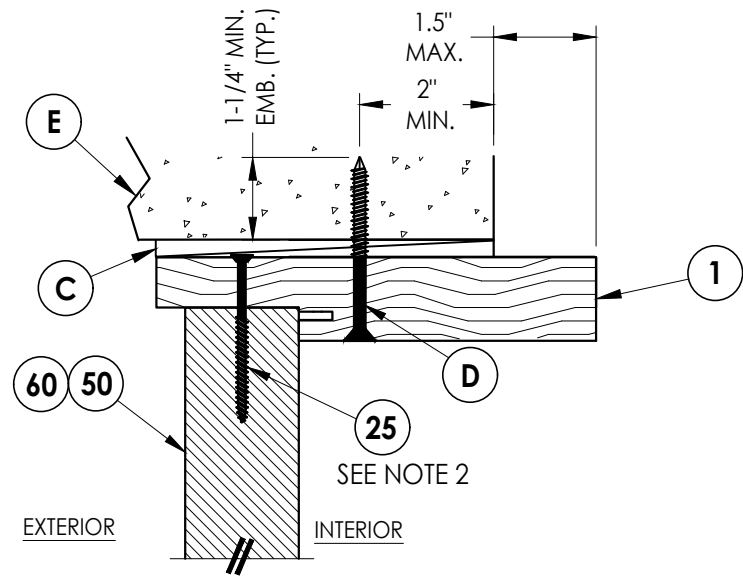
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**3/8 VERTICAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 4-9/16" jamb  
Double Door Only (N/A w/ Sidelites)



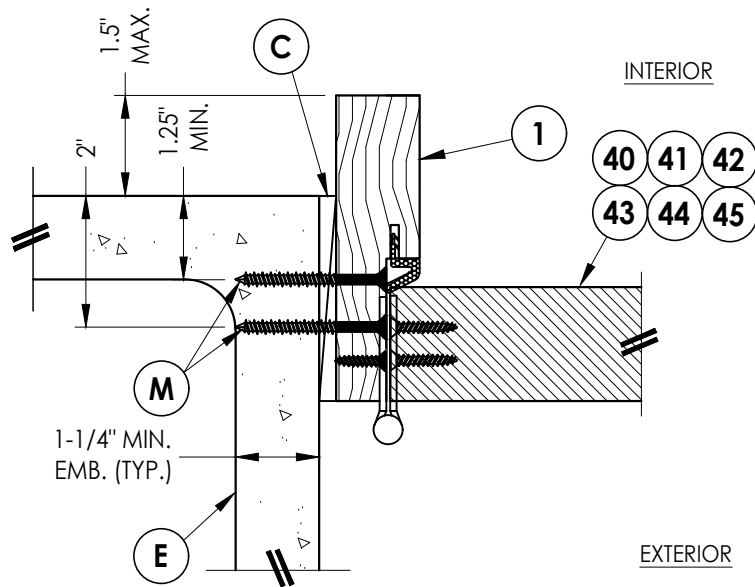
**5/8 VERTICAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 6-9/16" jamb



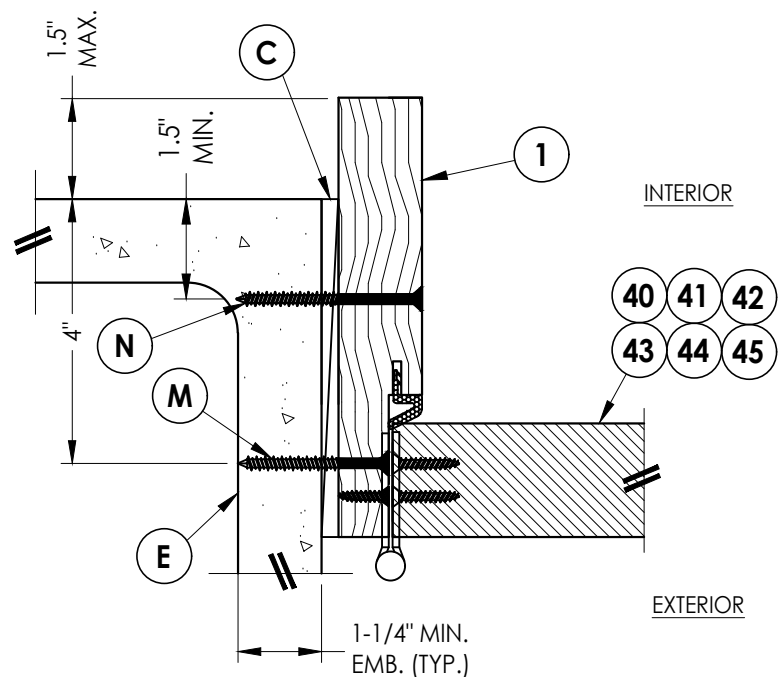
**6/8 VERTICAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 6-9/16" jamb

Notes:

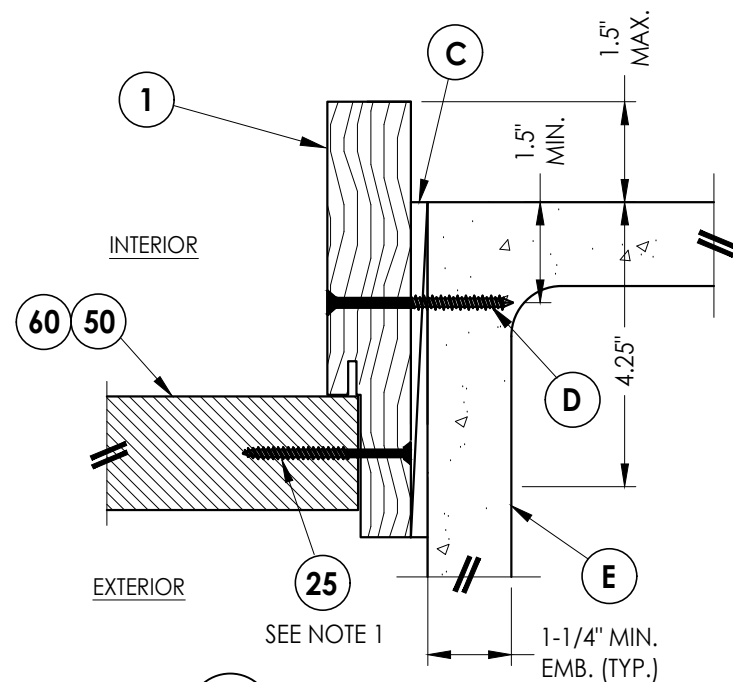
- Sidelite assembly screws located 7" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
- Sidelite assembly screws located 3" from each end (2 screws along head jamb).



**1/8 HORIZONTAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 4-9/16" jamb  
Double Door Only (N/A w/ Sidelites)



**4/8 HORIZONTAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 6-9/16" jamb



**2/8 HORIZONTAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 6-9/16" jamb

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P.E. No. 43409

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Phone No.: 813.659.9197  
FBPE Registry No. 9813

RW

PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
HORIZONTAL & VERTICAL  
SECTIONS (DIRECT TO MASONRY)

|     |          | LFS                          |    |
|-----|----------|------------------------------|----|
| 5   | 8/23/23  | UPDATE TO 8TH ED. (2023) FBC |    |
| 4   | 7/16/20  | UPDATE TO 7th ED (2020) FBC  |    |
| 3   | 10/10/18 | REV. DOOR PANEL OPTION NOTE  | MT |
| 2   | 3/10/18  | REVISE FLUSH GLAZING         | RW |
| 1   | 11/15/17 | RECESSED PANEL NOTATION      | JK |
| NO. | DATE     |                              | BY |

DATE: 07/07/17

SCALE: N.T.S.

DWG. BY: JK

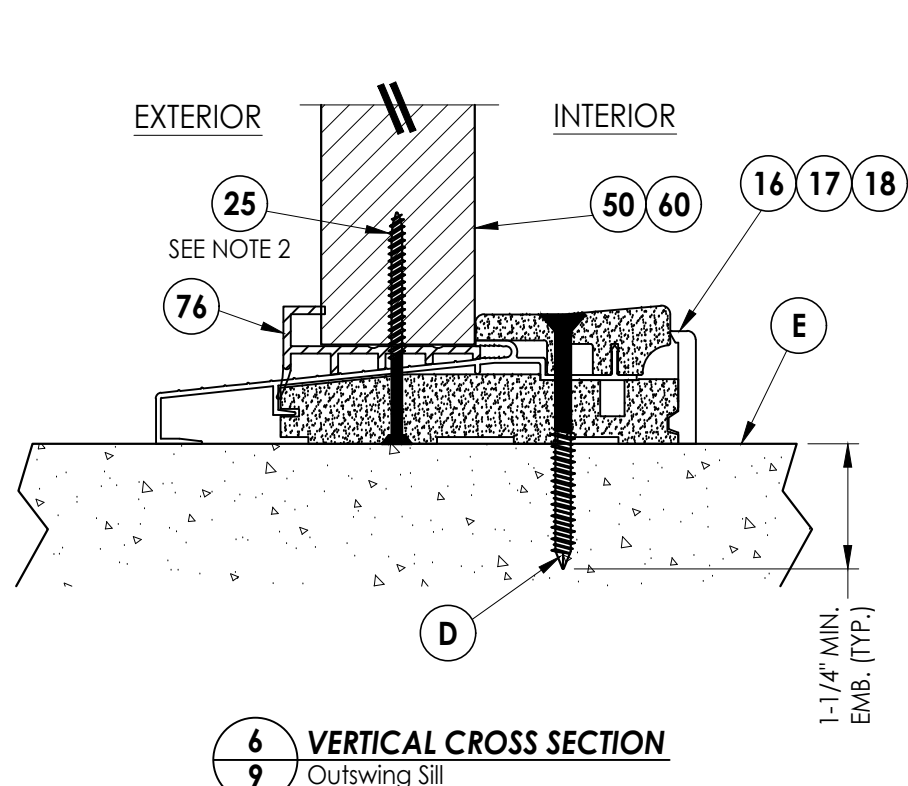
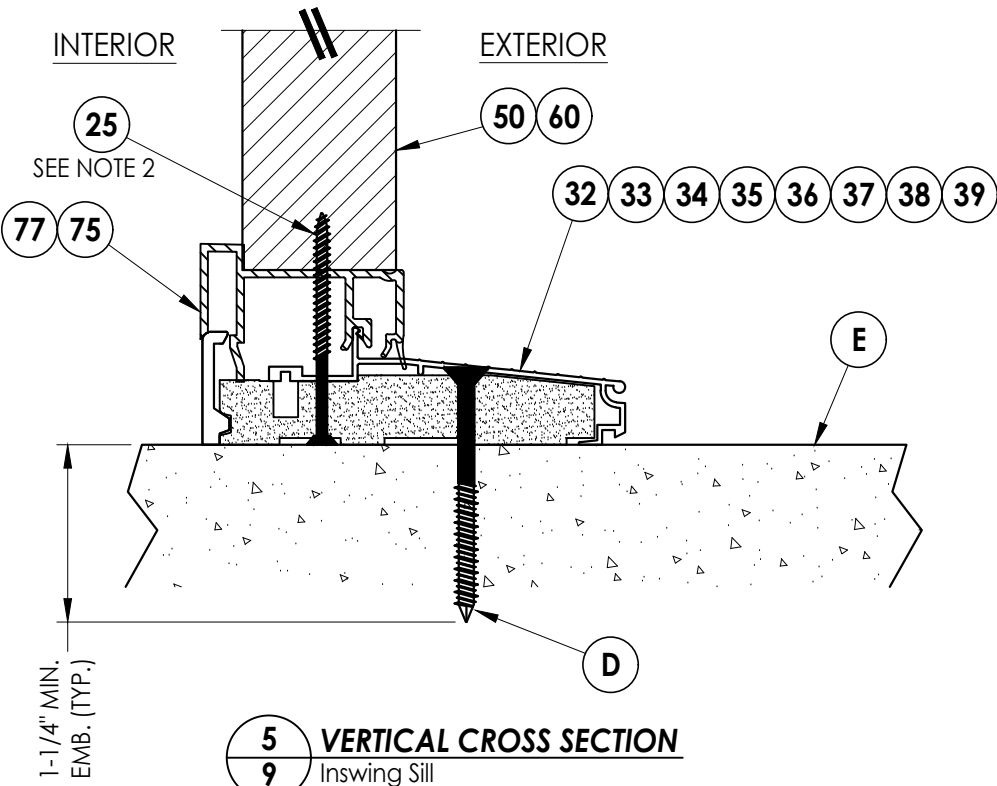
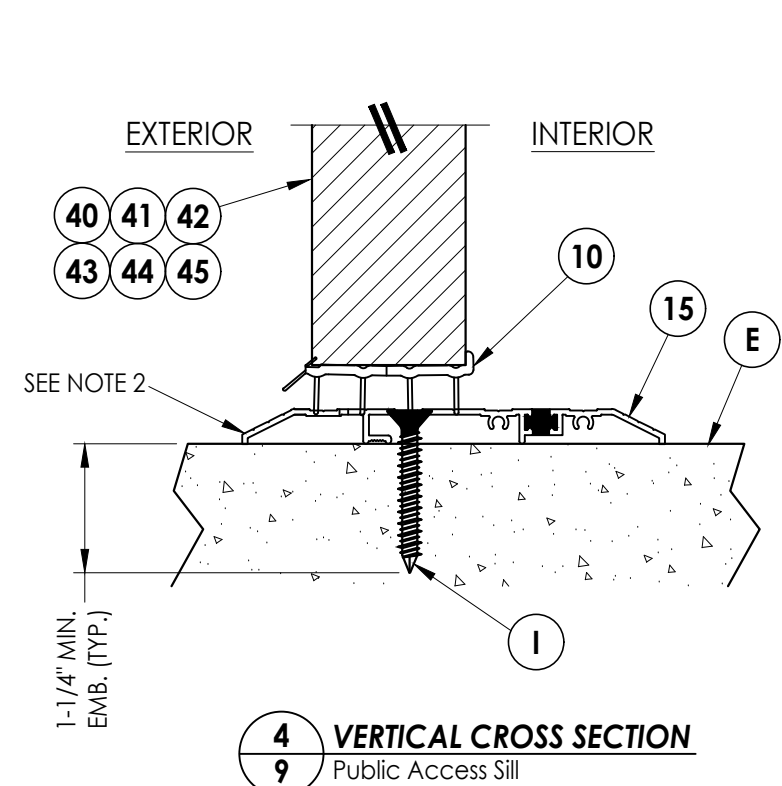
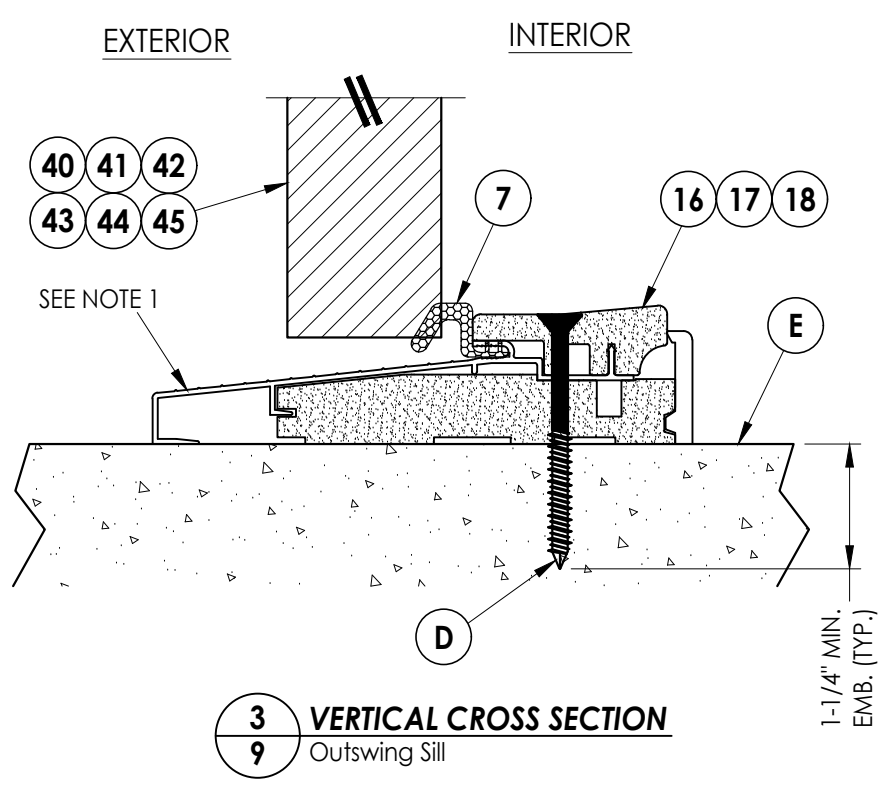
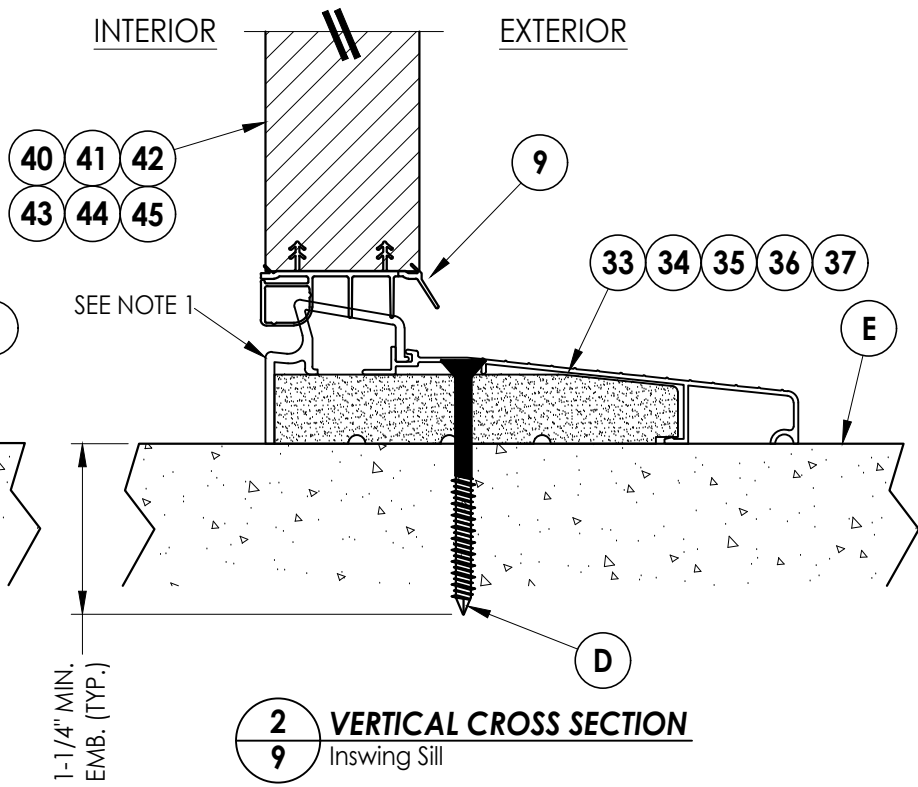
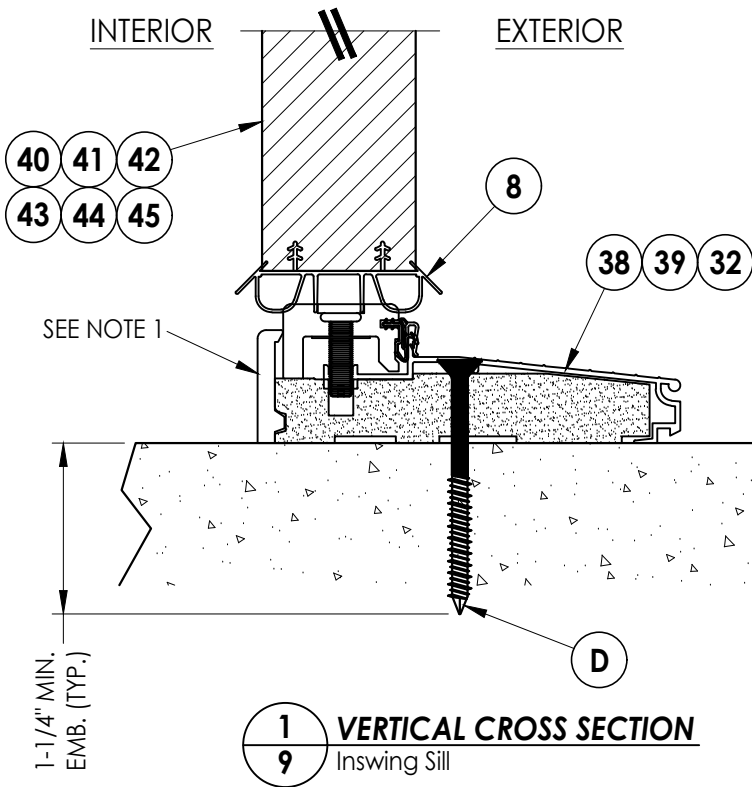
CHK. BY: LFS

DRAWING NO.:

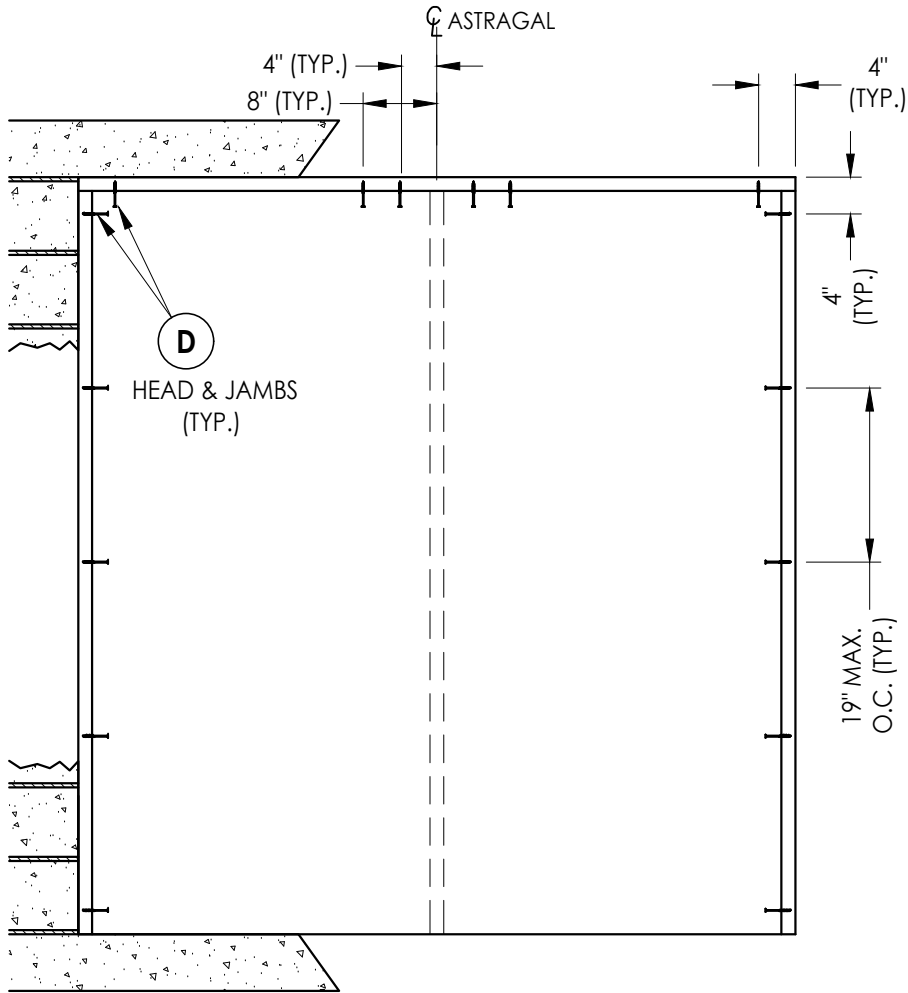
FL-21133.11

SHEET 8 OF 15

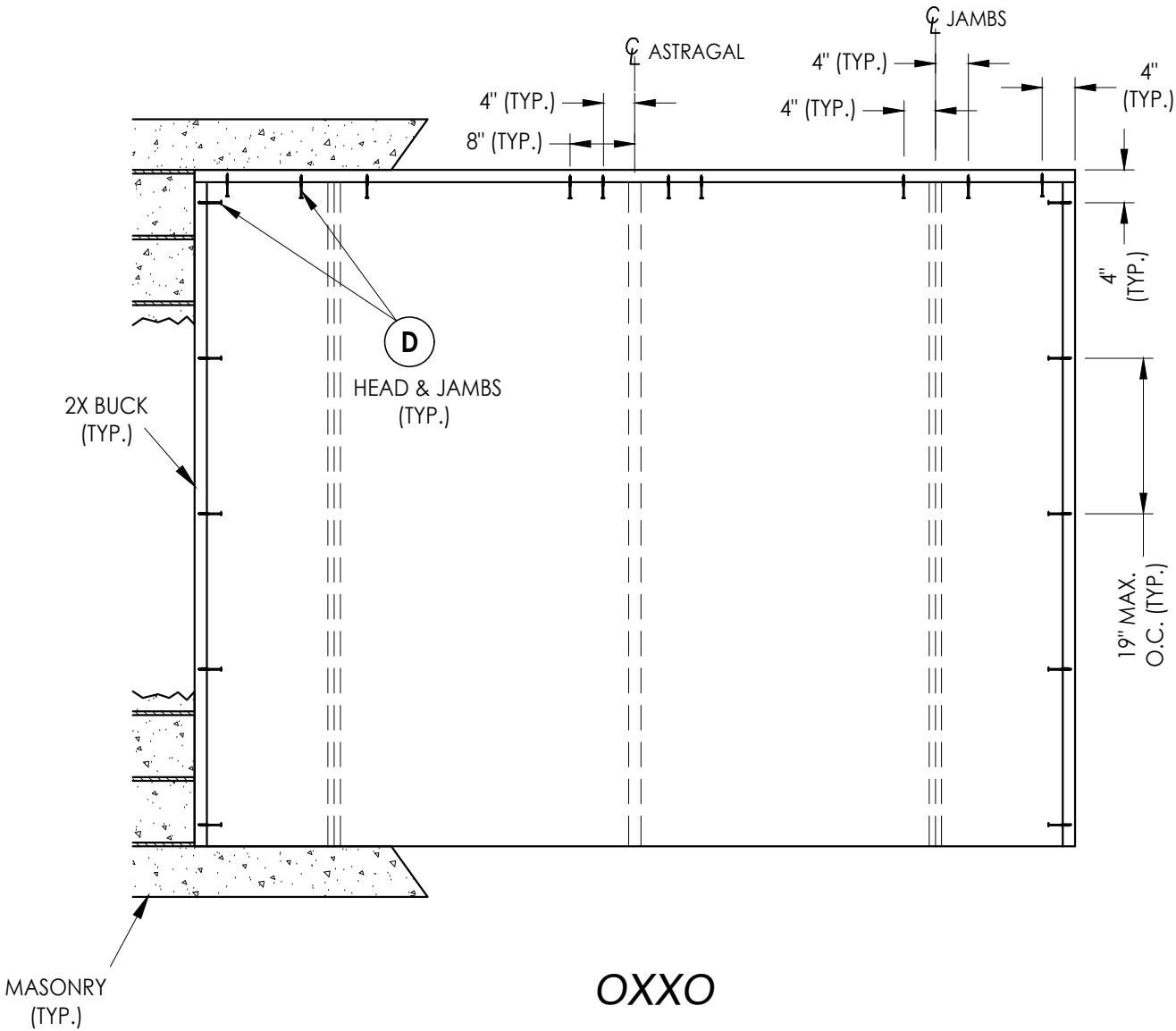
- Notes:
- 1. Sill Item #'s 17, 18, 32, 34, 35, 36, 37, 38 & 39 are attached to jambs w/ (3) #8 X 2-1/2" pph screws at each end.  
Sill Item #'s 16 & 33 are attached to jambs w/ (2) #8 X 2-1/2" pph screws at each end.  
Sill Item #15 is attached to jambs utilizing (2) #10 X 2" pph SMS at each end.
  - 2. Sidelite assembly screws located 4" from each end (2 screws along sill).



|                                                               |            |                                                                                                                    |      |
|---------------------------------------------------------------|------------|--------------------------------------------------------------------------------------------------------------------|------|
| 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:<br>THERMA-TRU<br>FIBERGLASS DOOR                     |            | PART OR ASSEMBLY:<br>VERTICAL CROSS<br>SECTIONS (THRESHOLDS)                                                       |      |
| LFS                                                           | 8/23/23    | UPDATE TO 8TH ED. (2023)                                                                                           | FBC  |
| PO                                                            | 7/16/20    | UPDATE TO 7th ED (2020)                                                                                            | FBC  |
| MT                                                            | 3/10/18    | REV. DOOR PANEL OPTION                                                                                             | NOTE |
| RW                                                            | 2/3/10/18  | REVISE FLUSH GLAZING                                                                                               |      |
| JK                                                            | 1/11/15/17 | RECESSED PANEL NOTATION                                                                                            |      |
| BY                                                            | DATE       |                                                                                                                    |      |
| REVISIONS                                                     |            |                                                                                                                    |      |
| DATE: 07/07/17                                                |            |                                                                                                                    |      |
| SCALE: N.T.S.                                                 |            |                                                                                                                    |      |
| DWG. BY: JK                                                   |            |                                                                                                                    |      |
| CHK. BY: LFS                                                  |            |                                                                                                                    |      |
| DRAWING NO.: FL-21133.11                                      |            |                                                                                                                    |      |
| SHEET 9 OF 15                                                 |            |                                                                                                                    |      |



XX



OXXO

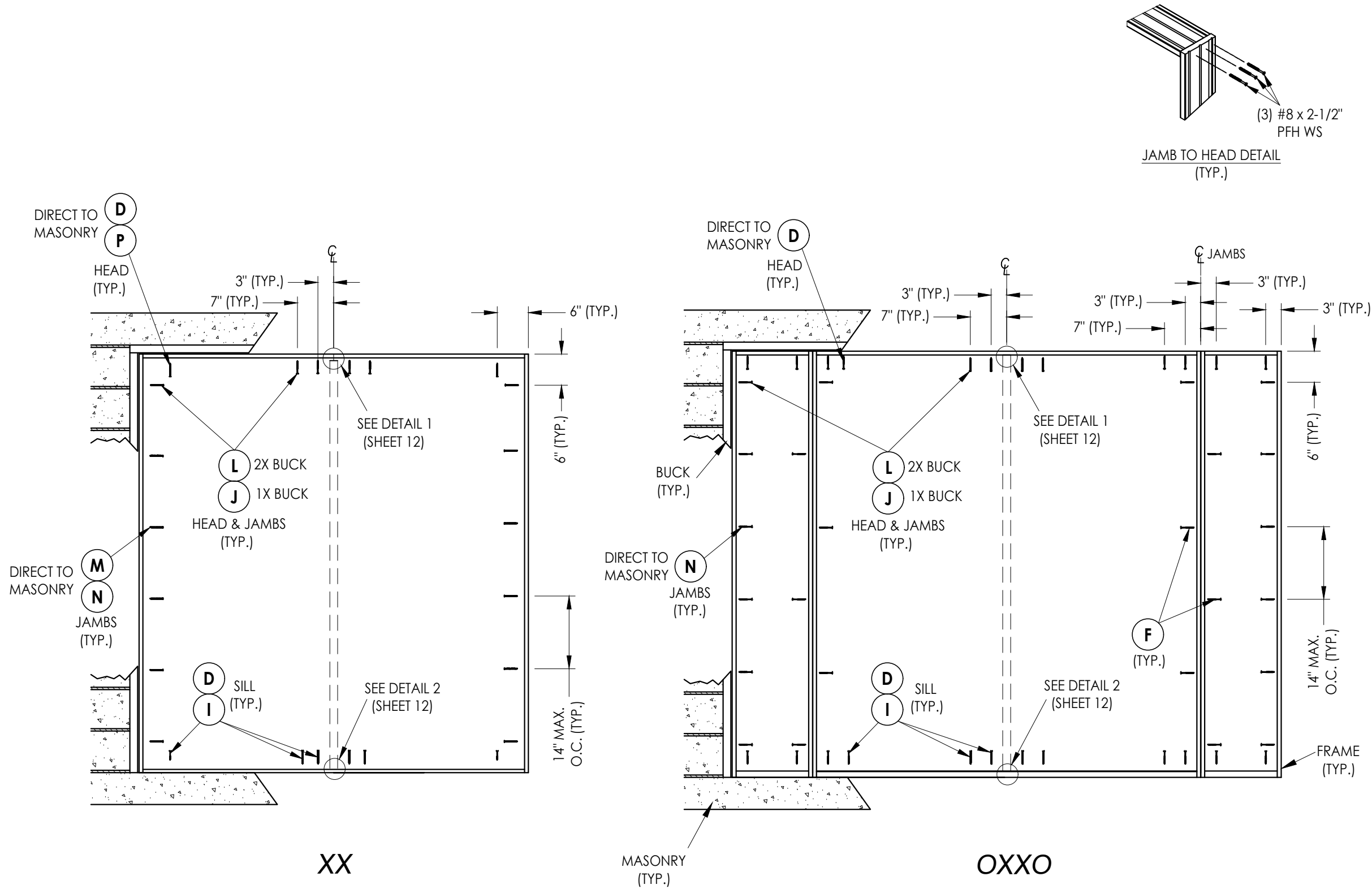
2X BUCK ANCHORING

| DATE:        |  | 07/07/17    |
|--------------|--|-------------|
| SCALE:       |  | N.T.S.      |
| DWG. BY:     |  | JK          |
| CHK. BY:     |  | LFS         |
| DRAWING NO.: |  | FL-21133.11 |
| SHEET        |  | 10 OF 15    |

| PRODUCT:          |  | THERMA-TRU<br>FIBERGLASS DOOR |
|-------------------|--|-------------------------------|
| PART OR ASSEMBLY: |  | BUCK ANCHORING                |

|                            |  |                                                                                      |
|----------------------------|--|--------------------------------------------------------------------------------------|
| Documents Prepared By:     |  | Lyndon F. Schmidt<br>P.E. No. 43409                                                  |
| BUILDING CONSULTANTS, INC. |  | P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |

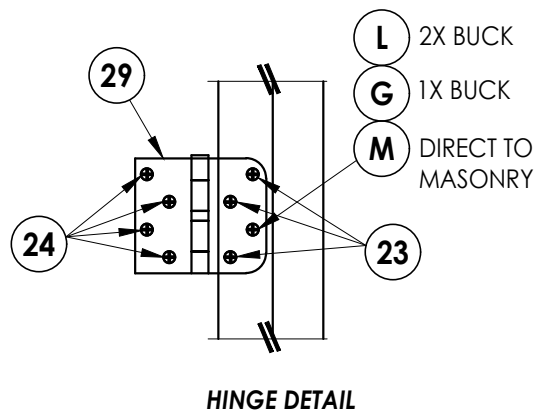
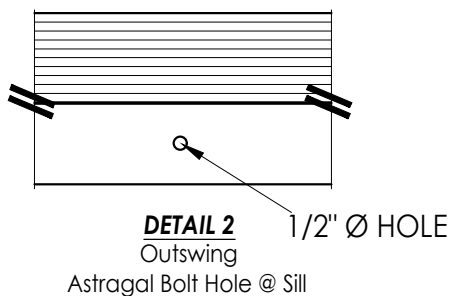
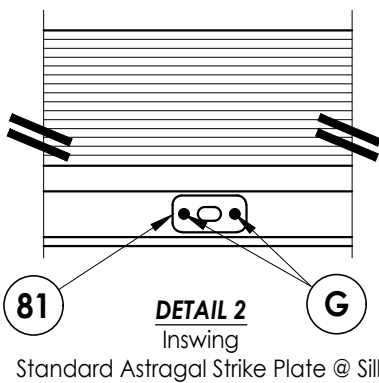
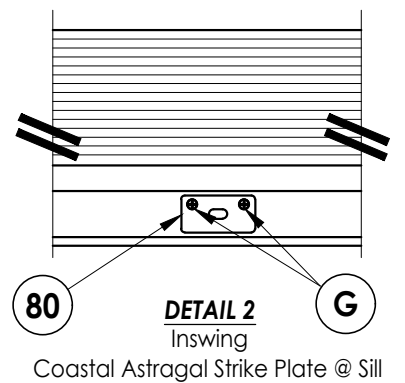
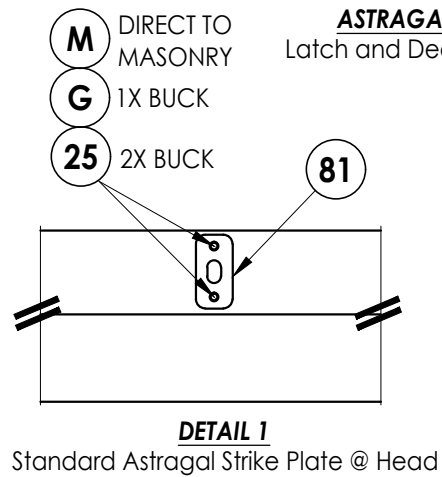
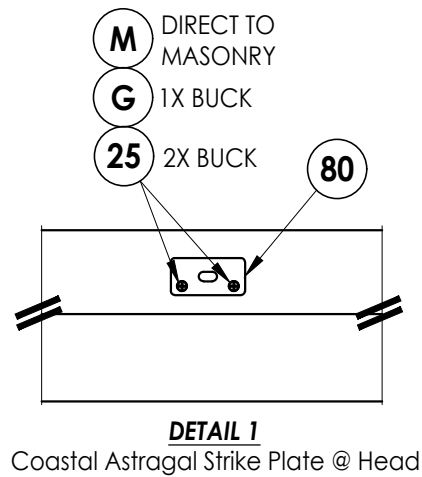
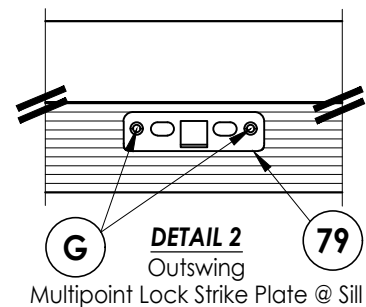
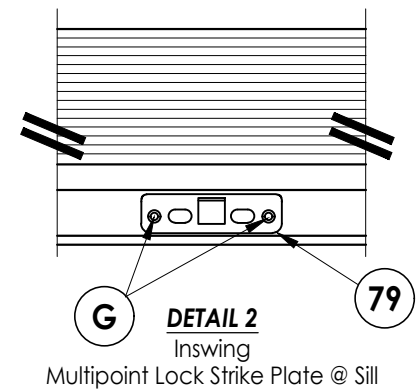
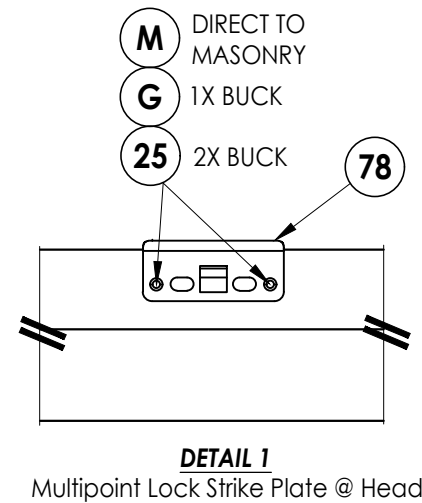
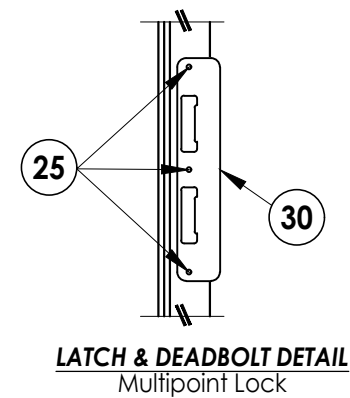
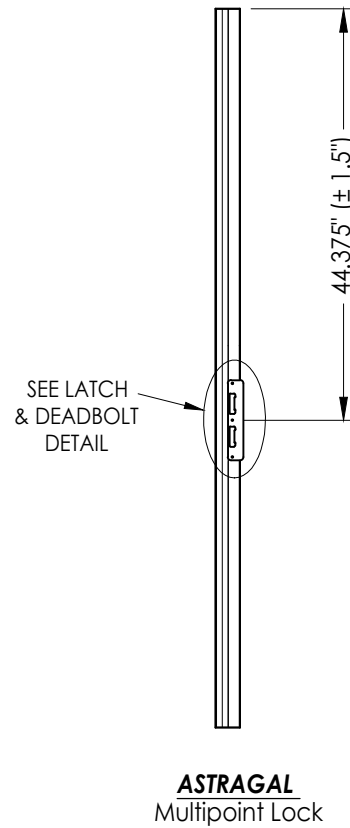
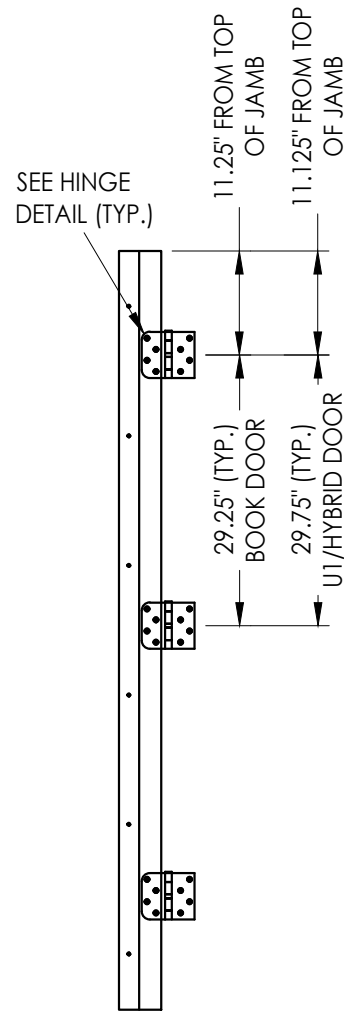
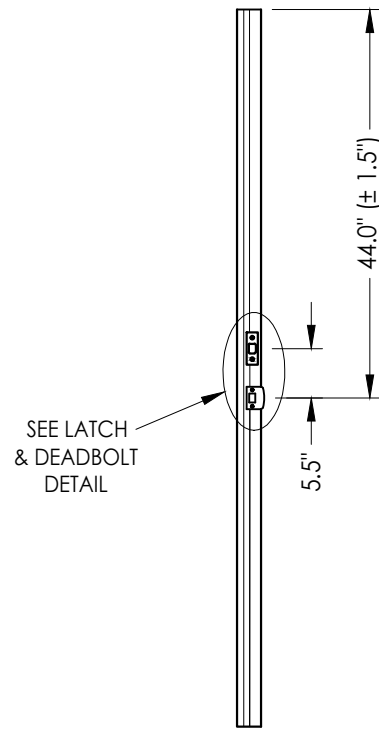
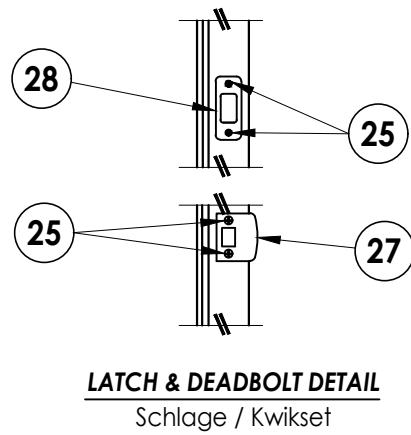
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FRAME ANCHORING

|                                                               |          |                          |      |                                                                                                                    |  |  |  |
|---------------------------------------------------------------|----------|--------------------------|------|--------------------------------------------------------------------------------------------------------------------|--|--|--|
| 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:<br><br>THERMA-TRU<br>FIBERGLASS DOOR                 |          |                          |      | PART OR ASSEMBLY:<br><br>FRAME ANCHORING                                                                           |  |  |  |
|                                                               |          |                          |      |                                                                                                                    |  |  |  |
| 5                                                             | 8/23/23  | UPDATE TO 8TH ED. (2023) | FBC  | LFS                                                                                                                |  |  |  |
| 4                                                             | 7/16/20  | UPDATE TO 7th ED (2020)  | FBC  | PO                                                                                                                 |  |  |  |
| 3                                                             | 10/10/18 | REV. DOOR PANEL OPTION   | NOTE | MT                                                                                                                 |  |  |  |
| 2                                                             | 3/10/18  | REVISE FLUSH GLAZING     |      | RW                                                                                                                 |  |  |  |
| 1                                                             | 11/15/17 | RECESSED PANEL NOTATION  |      | JK                                                                                                                 |  |  |  |
| NO.                                                           | DATE     | REVISIONS                |      |                                                                                                                    |  |  |  |
|                                                               |          |                          |      |                                                                                                                    |  |  |  |
| DATE: 07/07/17                                                |          |                          |      |                                                                                                                    |  |  |  |
| SCALE: N.T.S.                                                 |          |                          |      |                                                                                                                    |  |  |  |
| DWG. BY: JK                                                   |          |                          |      |                                                                                                                    |  |  |  |
| CHK. BY: LFS                                                  |          |                          |      |                                                                                                                    |  |  |  |
| DRAWING NO.:<br>FL-21133.11                                   |          |                          |      |                                                                                                                    |  |  |  |
| SHEET 11 OF 15                                                |          |                          |      |                                                                                                                    |  |  |  |

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## LATCH & DEADBOLT STRIKE DETAILS

## MULTIPOINT LOCK STRIKE DETAILS

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

PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

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

PART OR ASSEMBLY:  
HARDWARE DETAILS

| NO. | DATE     | REVISIONS                    |
|-----|----------|------------------------------|
| 5   | 8/23/23  | UPDATE TO 8TH ED. (2023) FBC |
| 4   | 7/16/20  | UPDATE TO 7th ED (2020) FBC  |
| 3   | 10/10/18 | REV. DOOR PANEL OPTION NOTE  |
| 2   | 3/10/18  | REVISE FLUSH GLAZING         |
| 1   | 11/15/17 | RECESSED PANEL NOTATION      |

DATE: 07/07/17

SCALE: N.T.S.

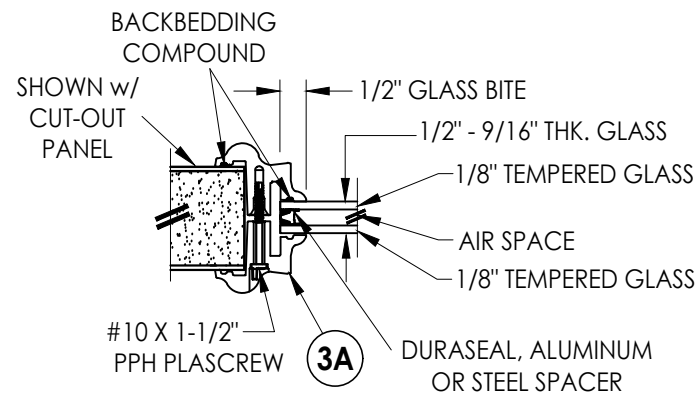
DWG. BY: JK

CHK. BY: LFS

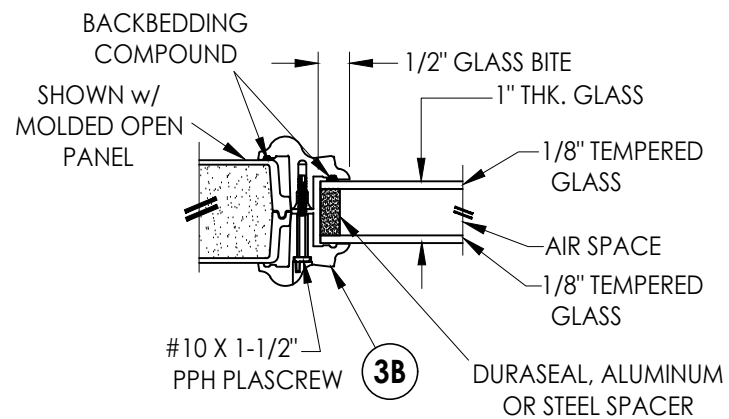
DRAWING NO.: FL-21133.11

SHEET 12 OF 15

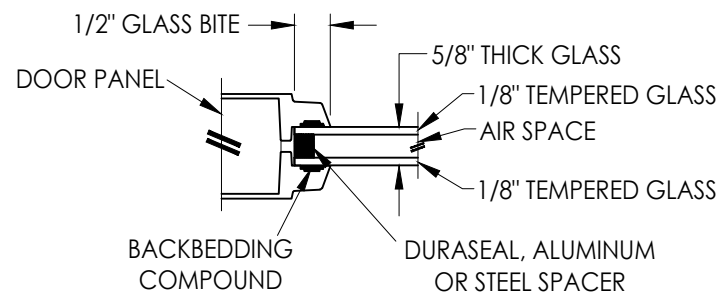
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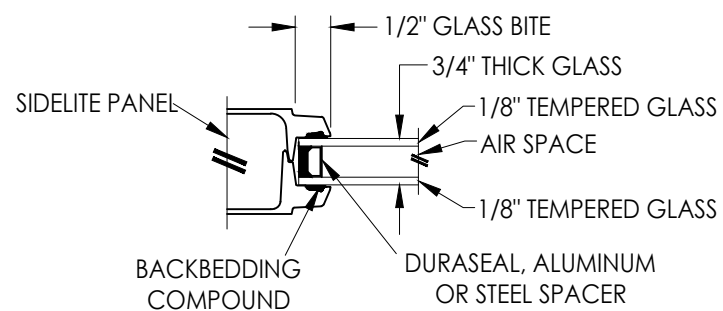
**G1 GLAZING DETAIL**  
BTS Lite Frame  
Door Panels & Sidelites



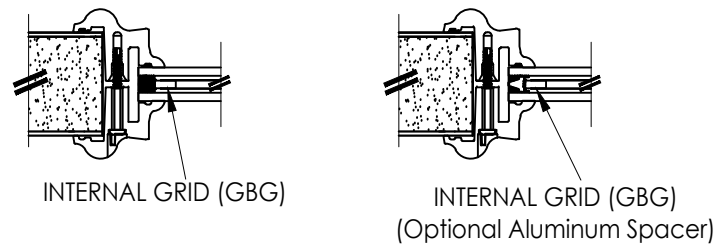
**G2 GLAZING DETAIL**  
BTS Lite Frame  
Door Panels & Sidelites



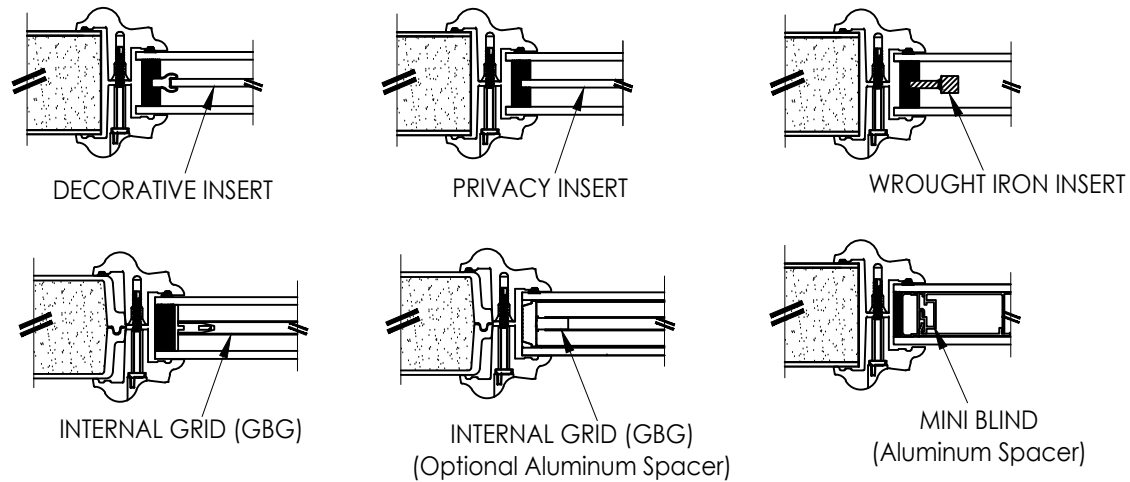
**G3 GLAZING DETAIL**  
Flush Glazing  
Door Panels



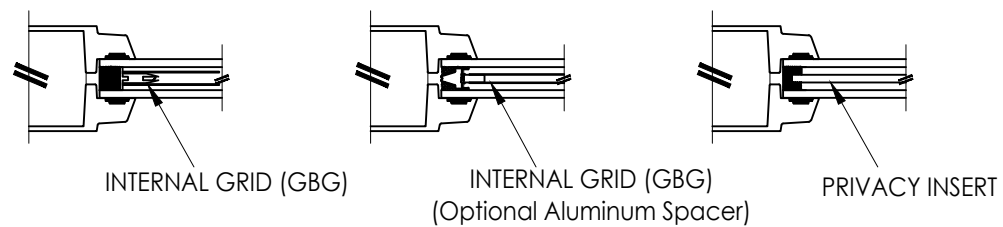
**G4 GLAZING DETAIL**  
Flush Glazing  
Sidelites



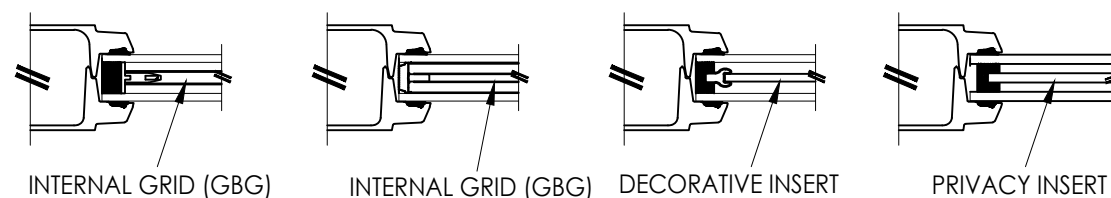
9/16" INSULATED GLASS INSERT OPTIONS



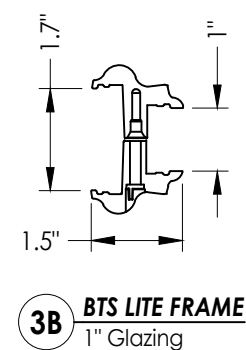
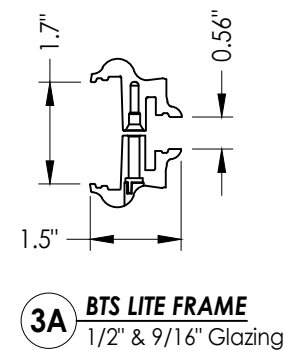
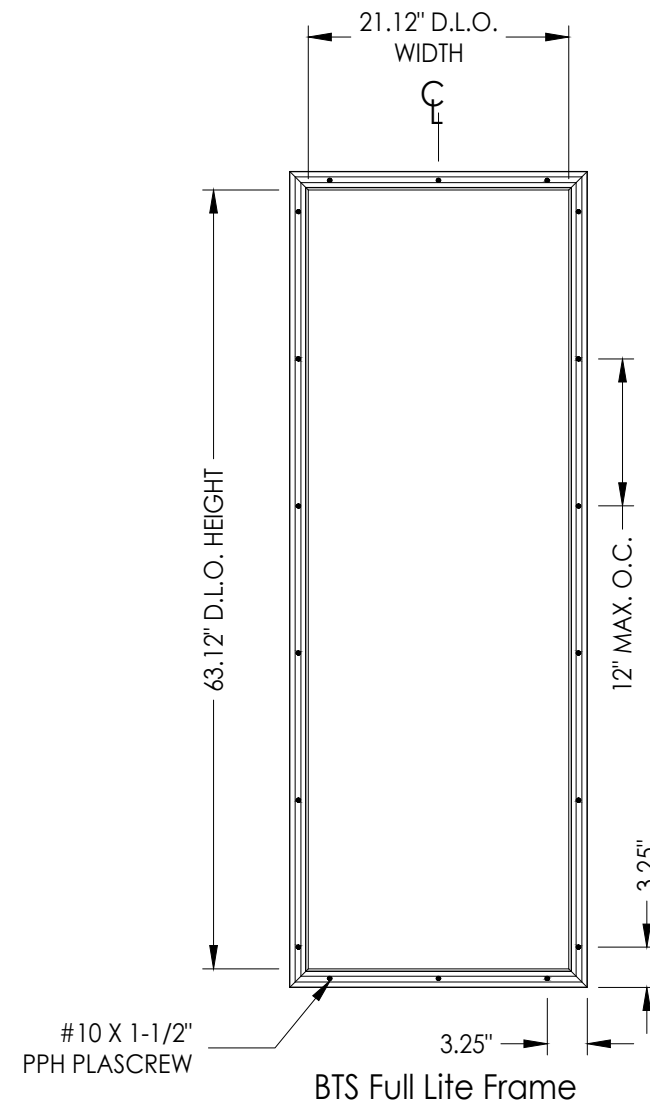
1" INSULATED GLASS INSERT OPTIONS



5/8" INSULATED GLASS INSERT OPTIONS



3/4" INSULATED GLASS INSERT OPTIONS



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

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

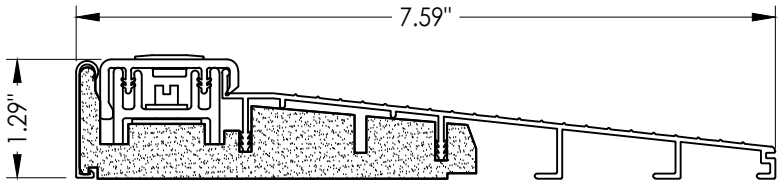
PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
GLAZING DETAILS

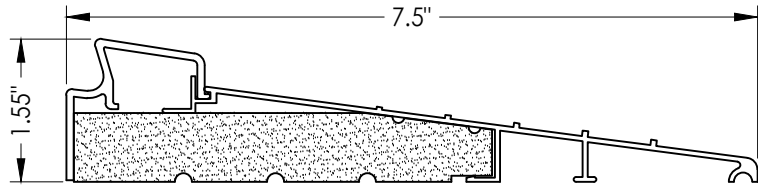
|     | LFS      | FBC                         | FBC                         | PO                          | MT                          | RW                          | JK                          | BY                          |
|-----|----------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|-----------------------------|
| 5   | 8/23/23  | UPDATE TO 8TH ED. (2023)    | UPDATE TO 7th ED (2020)     | UPDATE TO 7th ED (2020)     | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE |
| 4   | 7/16/20  | UPDATE TO 7th ED (2020)     | UPDATE TO 7th ED (2020)     | UPDATE TO 7th ED (2020)     | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE |
| 3   | 10/10/18 | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE |
| 2   | 3/10/18  | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE |
| 1   | 11/15/17 | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE | REV. DOOR PANEL OPTION NOTE |
| NO. | DATE     |                             |                             |                             |                             |                             |                             |                             |

DATE: 07/07/17  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-21133.11  
SHEET 13 OF 15

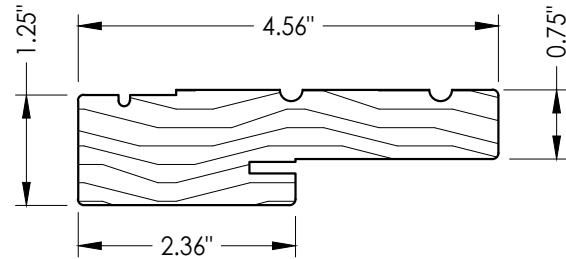
Z:\2023 FBC Drawings\Therma-Tru\FL-21133 R10\FL-21133.9-11.dwg



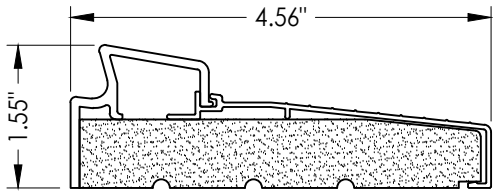
**32 INSWING THRESHOLD**  
Inswing Basic Composite Adjustable Sill 7-1/2"



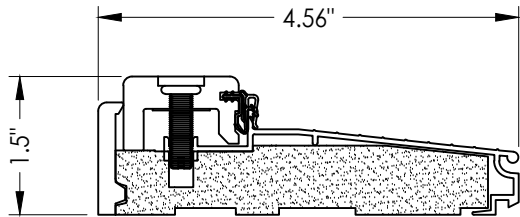
**37 INSWING THRESHOLD**  
Inswing Basic Fixed 7-1/2" Sill



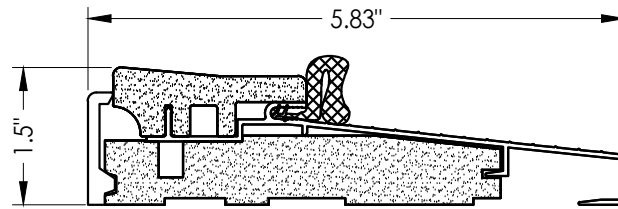
**1 WOOD JAMB**



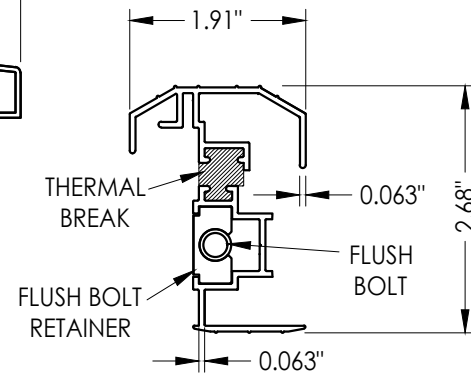
**33 INSWING THRESHOLD**  
Inswing Basic Fixed Sill



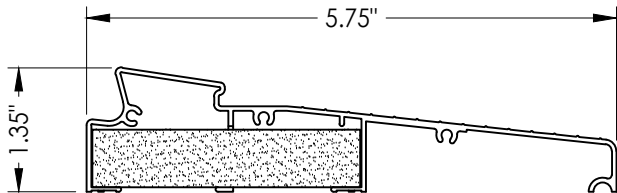
**38 INSWING THRESHOLD**  
Inswing Composite Adjustable Sill



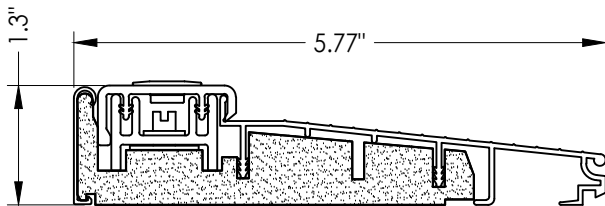
**16 OUTSWING THRESHOLD**  
Composite Sill



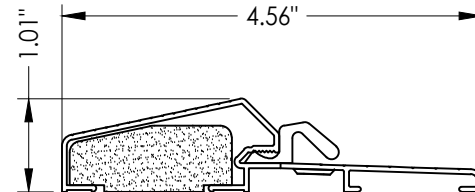
**19 STANDARD ALUMINUM ASTRAGAL**



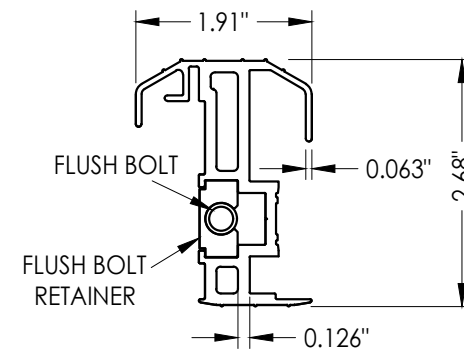
**34 INSWING THRESHOLD**  
Inswing Moderate Climate Sill 1-3/8"



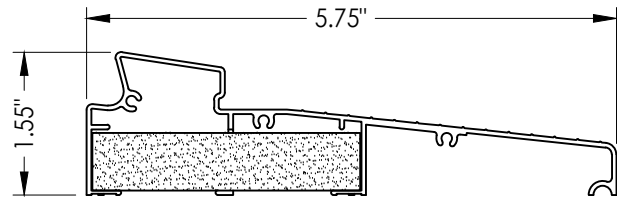
**39 INSWING THRESHOLD**  
Inswing Basic Composite Adjustable Sill



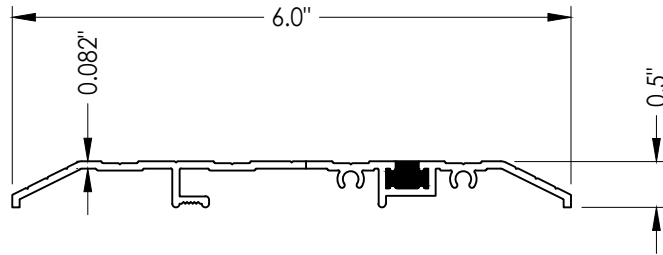
**17 OUTSWING THRESHOLD**  
Composite / Aluminum Sill



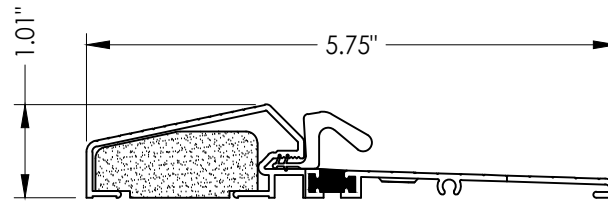
**20 COASTAL ALUMINUM ASTRAGAL**



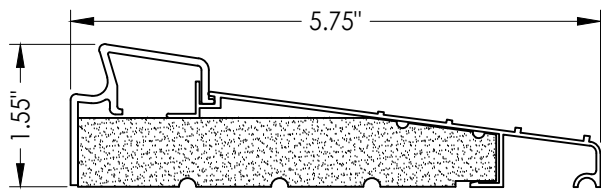
**35 INSWING THRESHOLD**  
Inswing Moderate Climate Sill



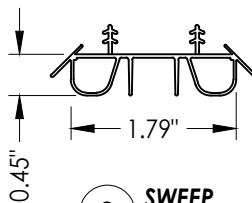
**15 PUBLIC ACCESS THRESHOLD**



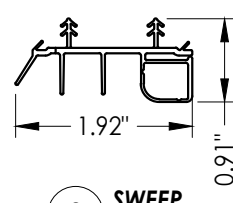
**18 OUTSWING THRESHOLD**  
Composite / Aluminum Sill  
(Thermal Break)



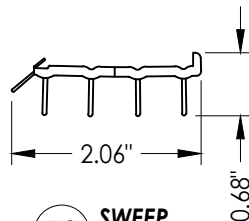
**36 INSWING THRESHOLD**  
Inswing Basic Fixed 5-3/4" Sill



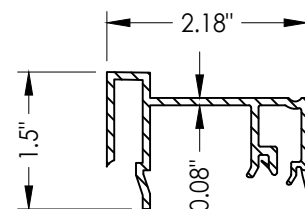
**8 SWEEP**



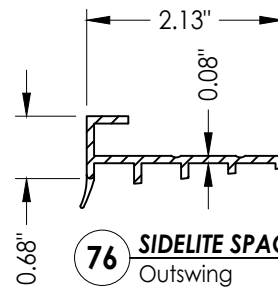
**9 SWEEP**



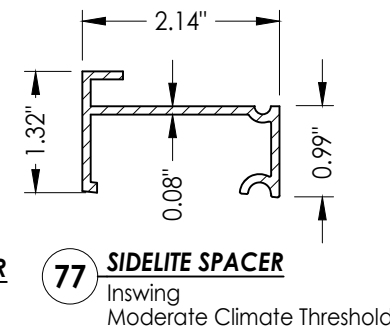
**10 SWEEP**



**75 SIDELITE SPACER**  
Inswing



**76 SIDELITE SPACER**  
Outswing



**77 SIDELITE SPACER**  
Inswing  
Moderate Climate Threshold

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

**R<sup>W</sup>** 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                    |
|-----|----------|------------------------------|
| 5   | 8/23/23  | UPDATE TO 8TH ED. (2023) FBC |
| 4   | 7/16/20  | UPDATE TO 7th ED (2020) FBC  |
| 3   | 10/10/18 | REV. DOOR PANEL OPTION NOTE  |
| 2   | 3/10/18  | REVISE FLUSH GLAZING         |
| 1   | 11/15/17 | RECESSED PANEL NOTATION      |

DATE: 07/07/17  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-21133.11  
SHEET 14 OF 15

Z:\2023 FBC Drawings\Therma-Tru\FL-21133 R10\FL-21133.9-11.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" ITW CONCRETE SCREW                                                              | STEEL     |
| I                 | 1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL     |
| J                 | 1/4" X 3-3/4" 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" ITW CONCRETE SCREW                                                              | STEEL     |
| N                 | 3/16" X 2-3/4" ITW CONCRETE SCREW                                                              | STEEL     |
| P                 | 1/4" X 2-3/4" PFH DeWALT CONCRETE SCREW                                                        | STEEL     |
| 1                 | JAMB (FINGER JOINT PINE )                                                                      | WOOD      |
| 6                 | WEATHERSTRIP (MEDIUM REACH)                                                                    | FOAM      |
| 7                 | WEATHERSTRIP (LONG REACH)                                                                      | FOAM      |
| 8                 | SWEEP                                                                                          | VINYL     |
| 9                 | SWEEP (USE w/ MODERATE CLIMATE THRESHOLD)                                                      | VINYL     |
| 10                | SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)                                                         | VINYL     |
| 11                | #10 X 1-3/4" PFH WOOD SCREW                                                                    | STEEL     |
| 15                | PUBLIC ACCESS THRESHOLD                                                                        | ALUM      |
| 16                | OUTSWING THRESHOLD                                                                             | ALUM/COMP |
| 17                | OUTSWING THRESHOLD                                                                             | ALUM/COMP |
| 18                | OUTSWING THRESHOLD                                                                             | ALUM/COMP |
| 19                | STANDARD ALUMINUM ASTRAGAL                                                                     | ALUM      |
| 20                | COASTAL ALUMINUM ASTRAGAL                                                                      | ALUM      |
| 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     |
| 26                | #8 x 5/8" PFH WOOD SCREW                                                                       | STEEL     |
| 27                | LATCH STRIKE PLATE                                                                             | STEEL     |
| 28                | DEADBOLT STRIKE PLATE                                                                          | STEEL     |
| 29                | 4" X 4" HINGE                                                                                  | STEEL     |

| BILL OF MATERIALS |                                                   |           |
|-------------------|---------------------------------------------------|-----------|
| ITEM #            | DESCRIPTION                                       | MATERIAL  |
| 32                | INSWING THRESHOLD                                 | ALUM/COMP |
| 33                | INSWING THRESHOLD                                 | ALUM/COMP |
| 34                | INSWING THRESHOLD                                 | ALUM/COMP |
| 35                | INSWING THRESHOLD                                 | ALUM/COMP |
| 36                | INSWING THRESHOLD                                 | ALUM/COMP |
| 37                | INSWING THRESHOLD                                 | ALUM/COMP |
| 38                | INSWING THRESHOLD                                 | ALUM/COMP |
| 39                | INSWING THRESHOLD                                 | ALUM/COMP |
| 40                | DOOR PANEL (BOOK)                                 | -         |
| 41                | DOOR PANEL (HYBRID)                               | -         |
| 42                | DOOR PANEL (U1)                                   | -         |
| 43                | FLUSH GLAZED DOOR PANEL (BOOK)                    | -         |
| 44                | FLUSH GLAZED DOOR PANEL (HYBRID)                  | -         |
| 45                | FLUSH GLAZED DOOR PANEL (U1)                      | -         |
| 50                | SIDELITE (FULL LITE)                              | -         |
| 60                | SIDELITE (FLUSH GLAZED)                           | -         |
| 75                | SIDELITE SPACER (INSWING)                         | PVC       |
| 76                | SIDELITE SPACER (OUTSWING)                        | PVC       |
| 77                | SIDELITE SPACER (INSWING) - MODERATE CLIMATE SILL | PVC       |
| 78                | MULTIPOINT LOCK STRIKE PLATE @ HEAD               | STEEL     |
| 79                | MULTIPOINT LOCK STRIKE PLATE @ SILL               | STEEL     |
| 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 ULTRACON® | 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

8/23/23

UPDATE TO 8TH ED. (2023)

FBC

7/16/20

UPDATE TO 7th ED (2020)

FBC

10/10/18

REV. DOOR PANEL OPTION

NOTE

3/10/18

REVISE FLUSH GLAZING

11/15/17

RECESSED PANEL NOTATION

NO.

DATE

5

LFS

4

PO

3

MT

2

RW

1

JK

BY

REVISIONS

DATE: 07/07/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-21133.11

SHEET 15 OF 15

RW

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