

THERMA-TRU®  
DOORS

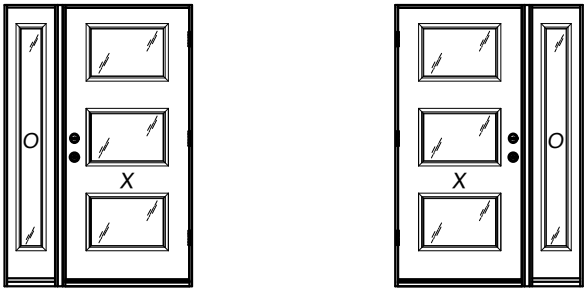
Fiber-Classic® & Smooth-Star®

WOOD OR COMPOSITE EDGE  
MULTI-LITE GLAZED FIBERGLASS SINGLE DOOR  
w/ SIDELITE(S)  
INSWING/OUTSWING  
"IMPACT"

GENERAL NOTES

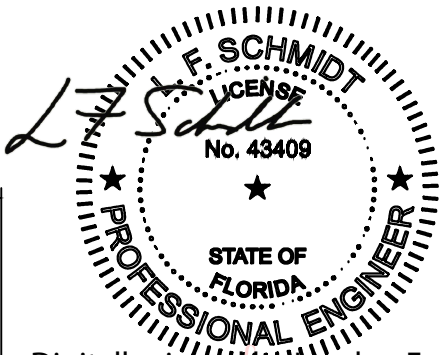
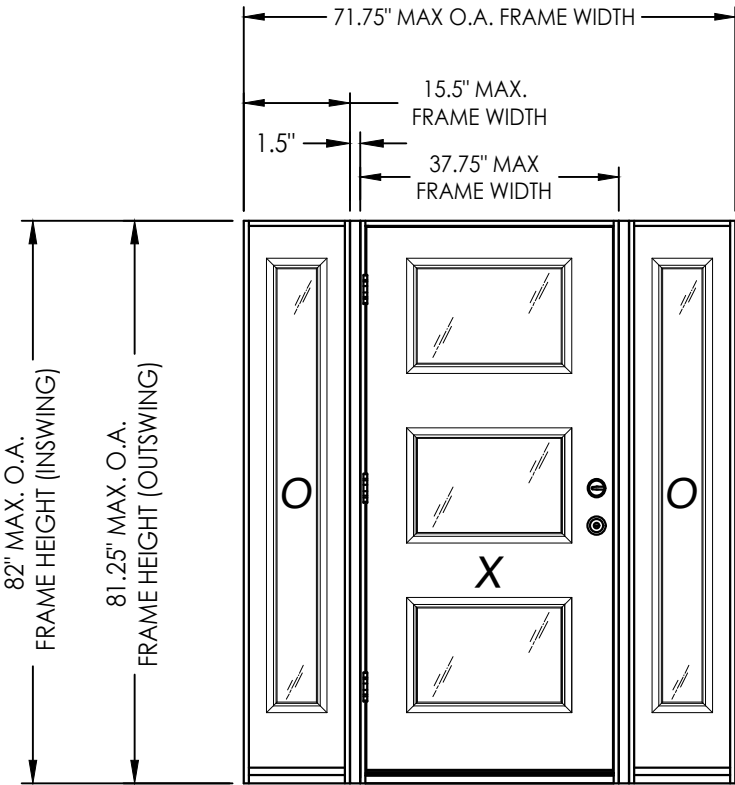
1. This product evaluation drawing has been developed in compliance with the 9th Edition (2026) Florida Building Code (FBC) including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ" this product complies with Section 1626 of the FBC and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection, this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. This product meets the water infiltration requirements for the "HVHZ".
8. Outswing configurations using Coastal Sill (item #36) under active doors meet water infiltration requirements for "HVHZ". All other configurations do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

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| 7                 | Horizontal & Vertical Cross Sections (Direct to Masonry) |        |                                      |



OX

XO



Digitally signed by Lyndon F Schmidt  
Date: 2026.08.10 09:34:34 -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 | DESIGN PRESSURE (PSF)<br>INSWING |          | DESIGN PRESSURE (PSF)<br>OUTSWING |          |
|---------------|----------------------------------|----------|-----------------------------------|----------|
|               | POSITIVE                         | NEGATIVE | POSITIVE                          | NEGATIVE |
| XO, OX, OXO   | +60.0                            | -65.0    | +60.0                             | -60.0    |

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 License No. 9813

PRODUCT: THERMA-TRU  
FIBERGLASS DOOR

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

|     |         |                                |           |
|-----|---------|--------------------------------|-----------|
| 5   | 7/01/26 | UPDATE TO 9TH ED. (2026) FBC   | LFS       |
| 4   | 6/16/25 | REVISE DIRECT TO MASONRY INST. | LFS       |
| 3   | 7/27/23 | UPDATE TO 8TH ED. (2023) FBC   | LFS       |
| 2   | 7/23/20 | UPDATE TO 7TH ED (2020) FBC    | LFS       |
| 1   | 5/20/20 | ADD DOOR CUT DOWN OPTION       | LFS       |
| NO. | DATE    |                                | BY        |
|     |         |                                | REVISIONS |

DATE: 10/01/19

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-30482.2

SHEET 1 OF 13

2" DIA. MAX.

STEEL REINFORCEMENT

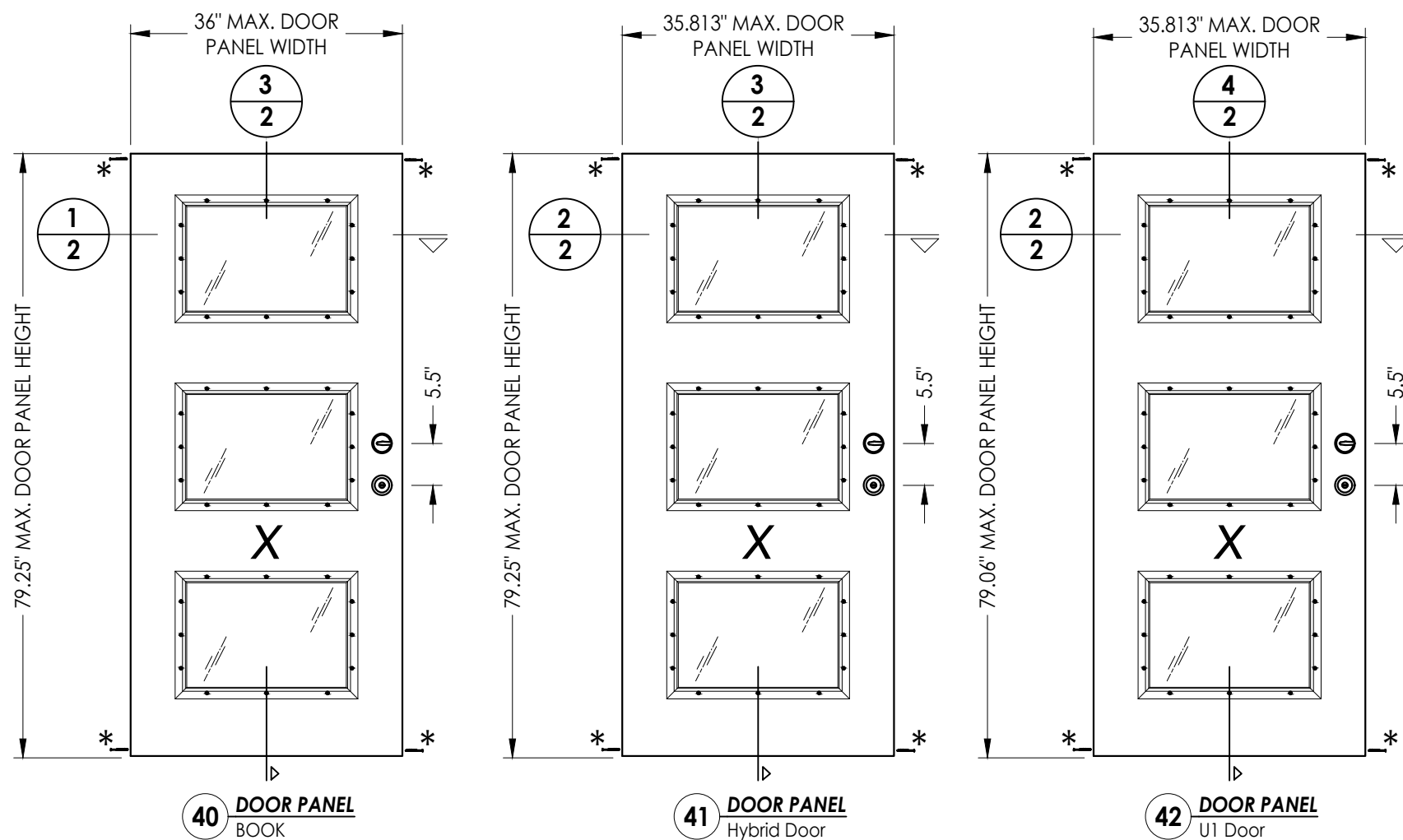
28.86% OPEN AREA MAX.

## 1 HORIZONTAL CROSS SECTION

### 2 WOOD EDGE

- NOTES:**
1. BOOK, HYBRID & U1 DOORS MAY EACH BE FABRICATED AS WOOD OR COMPOSITE EDGE DOORS
  2. CUT DOWN OPTION: DOORS MAY BE TRIMMED UP TO 1/4" MAX. ALONG THE TOP & BOTTOM RAILS (TOTAL DOOR REDUCED HEIGHT OF 1/2")

\* #8 X 2.5" PFH WS (TYP. @ EACH DOOR CORNER)



The image contains four technical drawings of vertical cross sections of a railing system, arranged in a 2x2 grid. The top row shows the 'WOOD EDGE' and 'COMPOSITE EDGE' from a side perspective. The bottom row shows the same edges from a front perspective, highlighting the internal structure.

**Top Left: WOOD EDGE (Side View)**  
 - Dimensions: Total height 0.84", top rail thickness 0.25".  
 - Components: TOP RAIL (COMPOSITE), FOAM CORE (POLYURETHANE - 1.9 PCF MIN.), INTERIOR, EXTERIOR.

**Top Right: COMPOSITE EDGE (Side View)**  
 - Dimensions: Total height 0.89", top rail thickness 0.25".  
 - Components: TOP RAIL (COMPOSITE/ENGINEERED WOOD), FOAM CORE (POLYURETHANE - 1.9 PCF MIN.), INTERIOR, EXTERIOR.

**Bottom Left: WOOD EDGE (Front View)**  
 - Dimensions: Total height 0.84", top rail thickness 0.25", width 1.7".  
 - Components: G1 (glass), STEEL REINFORCEMENT (0.023" THK.), FIBERGLASS SKIN (0.073" THK.), BOTTOM RAIL (COMP.), TRIM UP TO 1/4" (SEE NOTE 2).

**Bottom Right: COMPOSITE EDGE (Front View)**  
 - Dimensions: Total height 0.82", top rail thickness 0.25", width 1.71".  
 - Components: G1 (glass), STEEL REINFORCEMENT (0.023" THK.), FIBERGLASS SKIN (0.073" THK.), BOTTOM RAIL (COMP.), TRIM UP TO 1/4" (SEE NOTE 2).

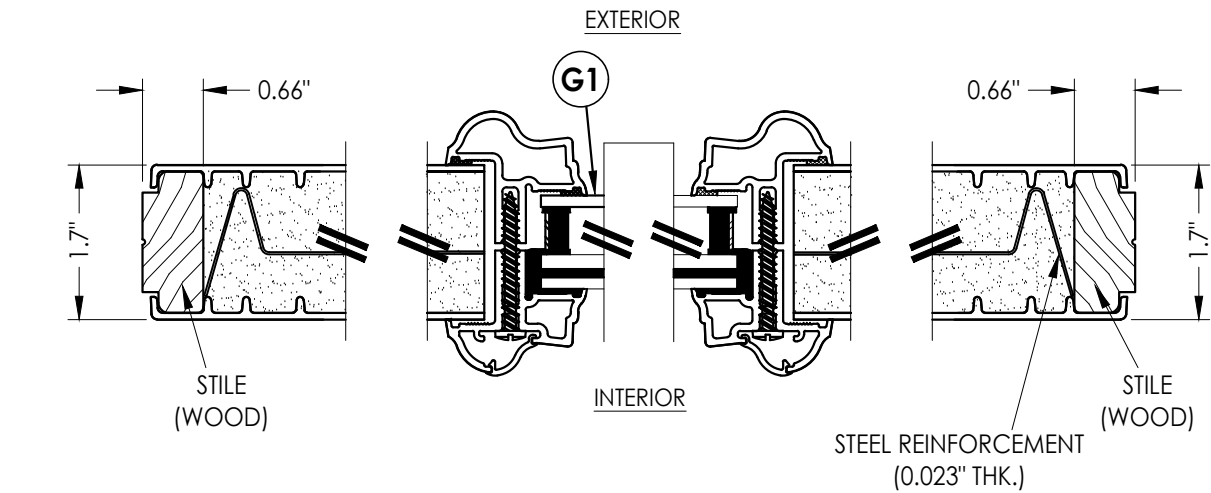
**Legend:**  
 - **3** VERTICAL CROSS SECTION WOOD EDGE  
 - **4** VERTICAL CROSS SECTION COMPOSITE EDGE

|                         |       |                                         |  |
|-------------------------|-------|-----------------------------------------|--|
| DATE: 10/01/19          |       | PRODUCT: THERMA-TRU<br>FIBERGLASS DOOR  |  |
| SCALE: N.T.S.           |       | PART OR ASSEMBLY:<br>DOOR PANEL DETAILS |  |
| DWG. BY:                | RW    |                                         |  |
| CHK. BY:                | LFS   |                                         |  |
| DRAWING NO.: FL-30482.2 |       |                                         |  |
| SHEET 2                 | OF 13 |                                         |  |

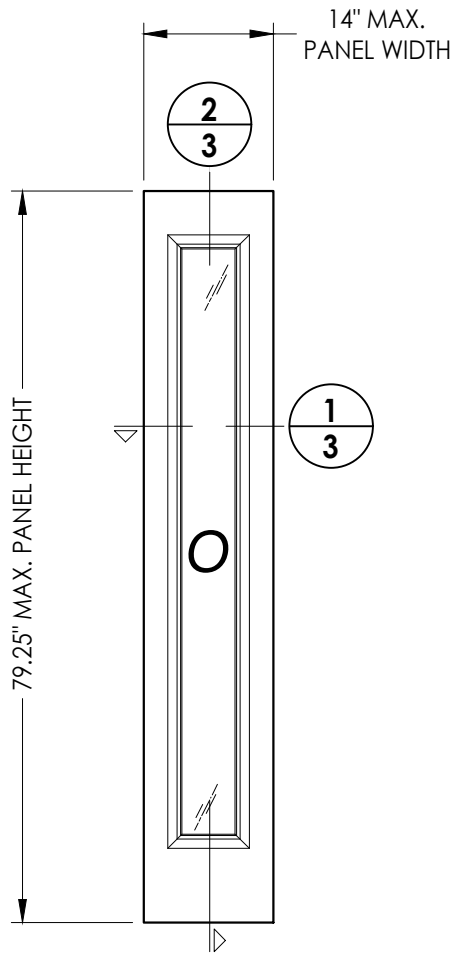
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Lyndon F. Schmidt  
P.E. No. 43409

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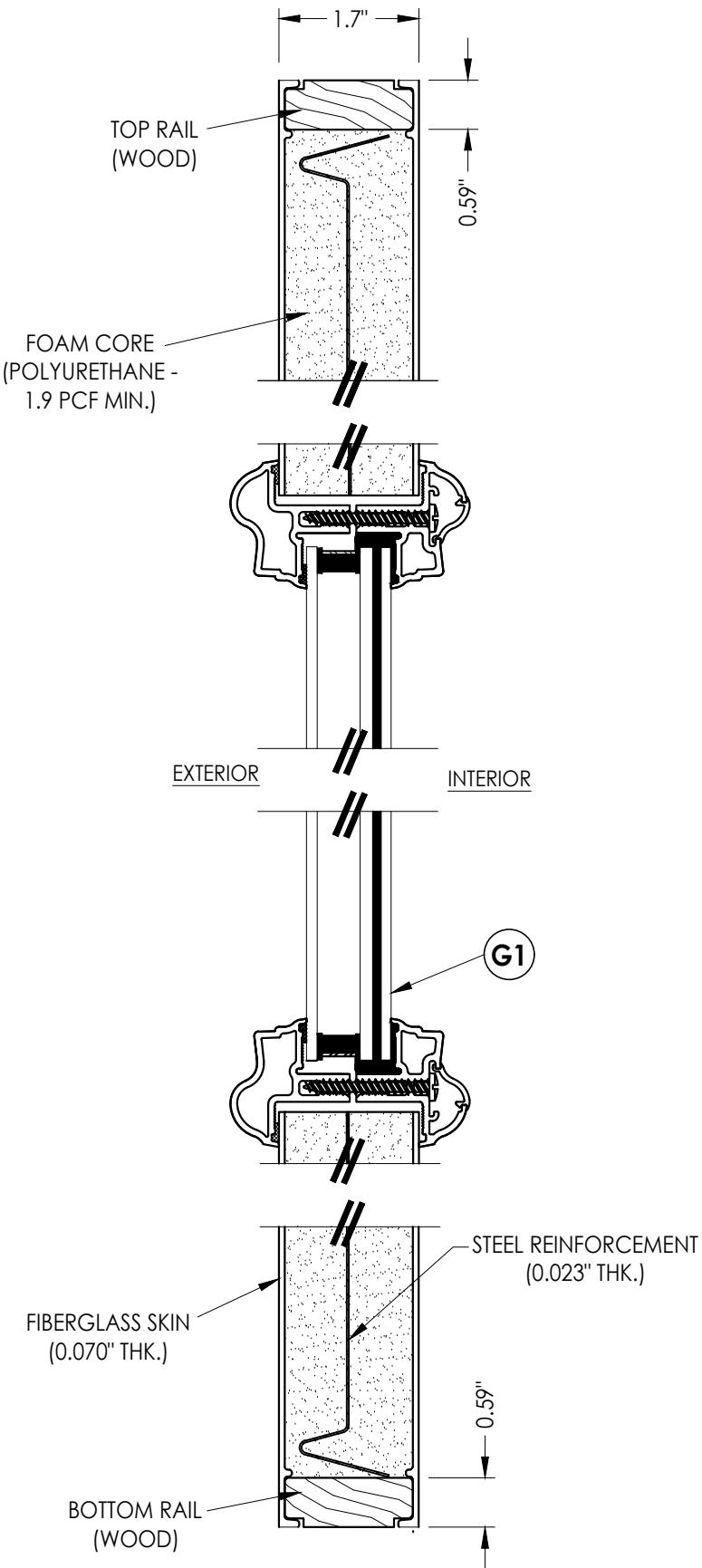
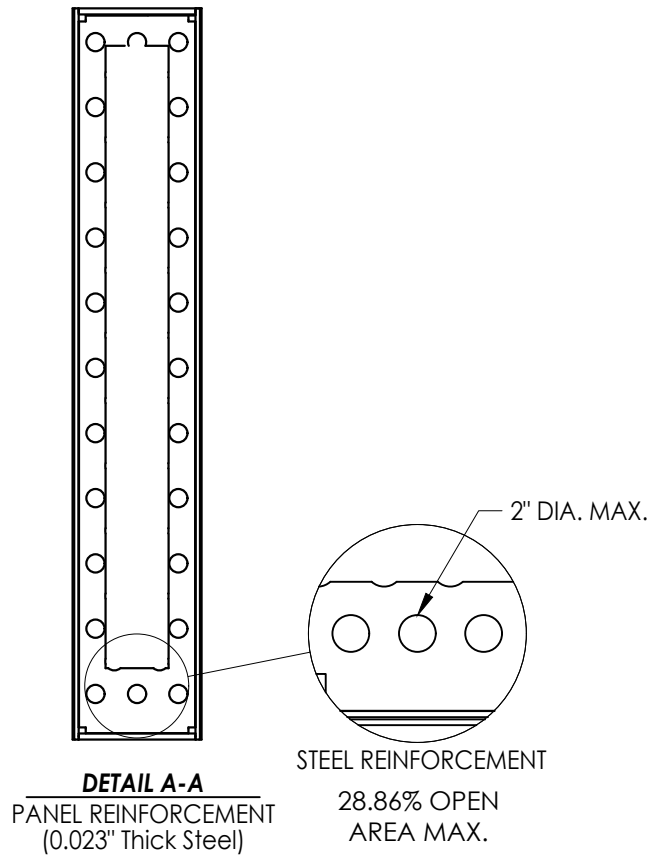
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**1**  
**3** **HORIZONTAL CROSS SECTION**



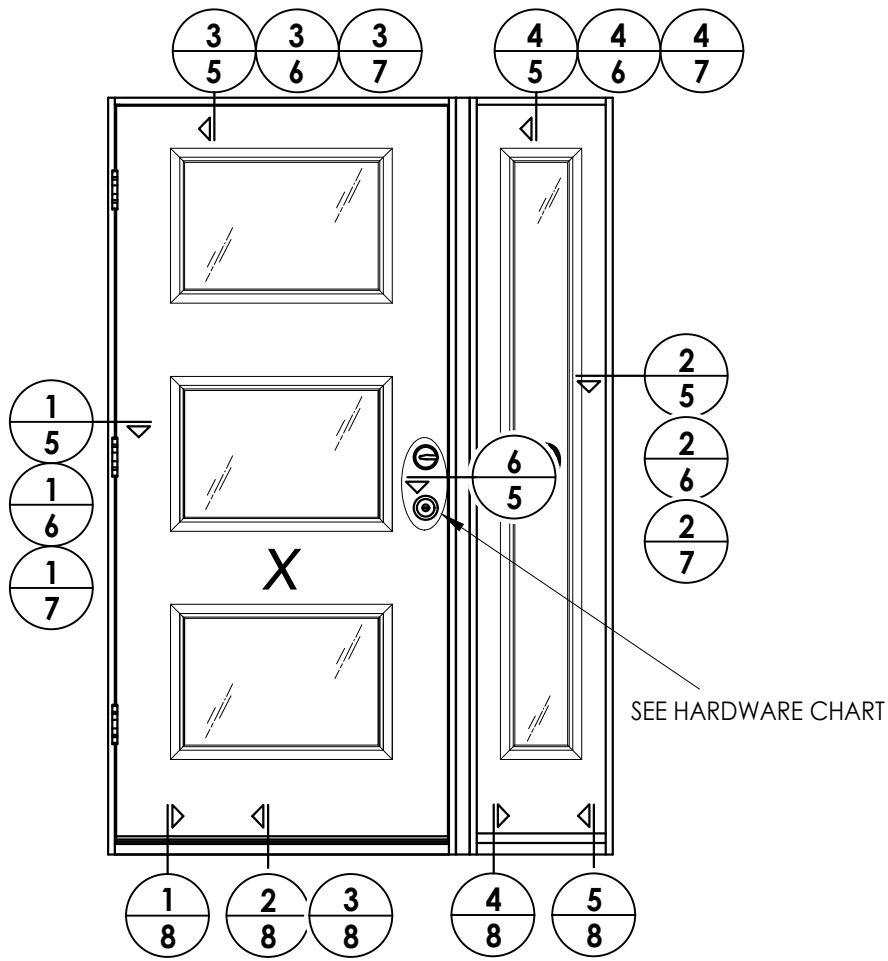
**50** **SIDELITE PANEL**



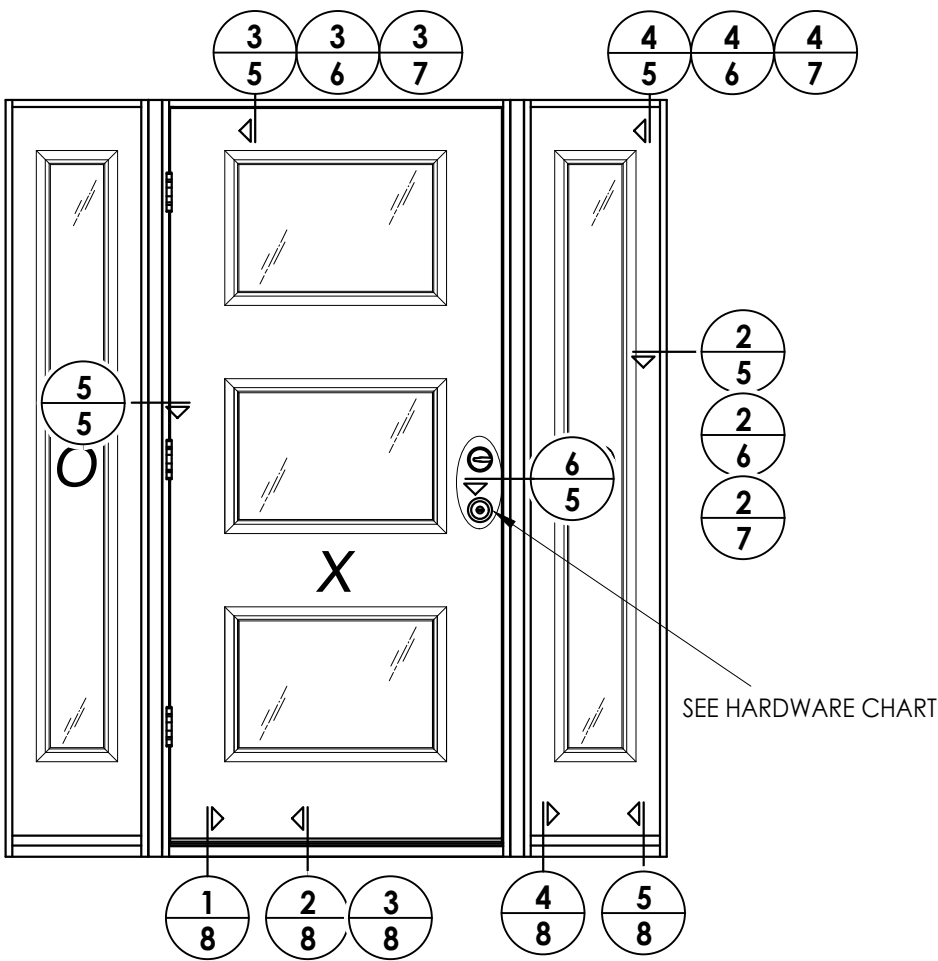
**2**  
**3** **VERTICAL CROSS SECTION**

|                                                               |         |                                                                                                                              |     |
|---------------------------------------------------------------|---------|------------------------------------------------------------------------------------------------------------------------------|-----|
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| PRODUCT:<br>THERMA-TRU<br>FIBERGLASS DOOR                     |         | PART OR ASSEMBLY:<br>SIDELITE PANEL DETAILS                                                                                  |     |
| 5                                                             | 7/01/26 | UPDATE TO 9TH ED. (2026) FBC                                                                                                 | LFS |
| 4                                                             | 6/16/25 | REVISE DIRECT TO MASONRY INST. LFS                                                                                           | LFS |
| 3                                                             | 7/27/23 | UPDATE TO 8TH ED. (2023) FBC                                                                                                 | LFS |
| 2                                                             | 7/23/20 | UPDATE TO 7TH ED (2020) FBC                                                                                                  | LFS |
| 1                                                             | 5/20/20 | ADD DOOR CUT DOWN OPTION                                                                                                     | LFS |
| NO.                                                           | DATE    | REVISIONS                                                                                                                    |     |
| DATE: 10/01/19                                                |         |                                                                                                                              |     |
| SCALE: N.T.S.                                                 |         |                                                                                                                              |     |
| DWG. BY: RW                                                   |         |                                                                                                                              |     |
| CHK. BY: LFS                                                  |         |                                                                                                                              |     |
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| SHEET 3 OF 13                                                 |         |                                                                                                                              |     |

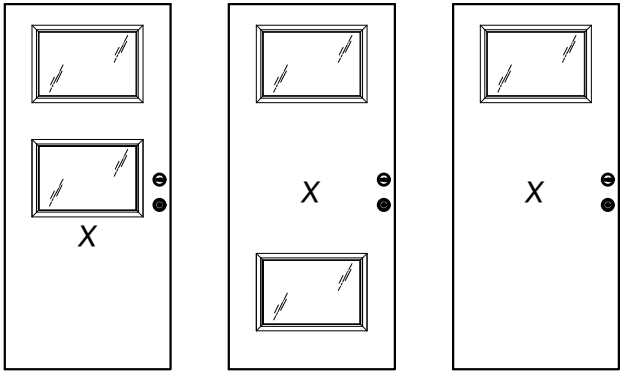
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ELEVATION  
XO



ELEVATION  
OXO



**Fiber-Classic/Smooth-Star Door Panel Options**  
Panel options shown are for illustration and are representative only  
(similar glazed panel configurations are allowed)

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

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

PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
ELEVATIONS

DATE: 10/01/19

SCALE: N.T.S.

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SHEET 4 OF 13

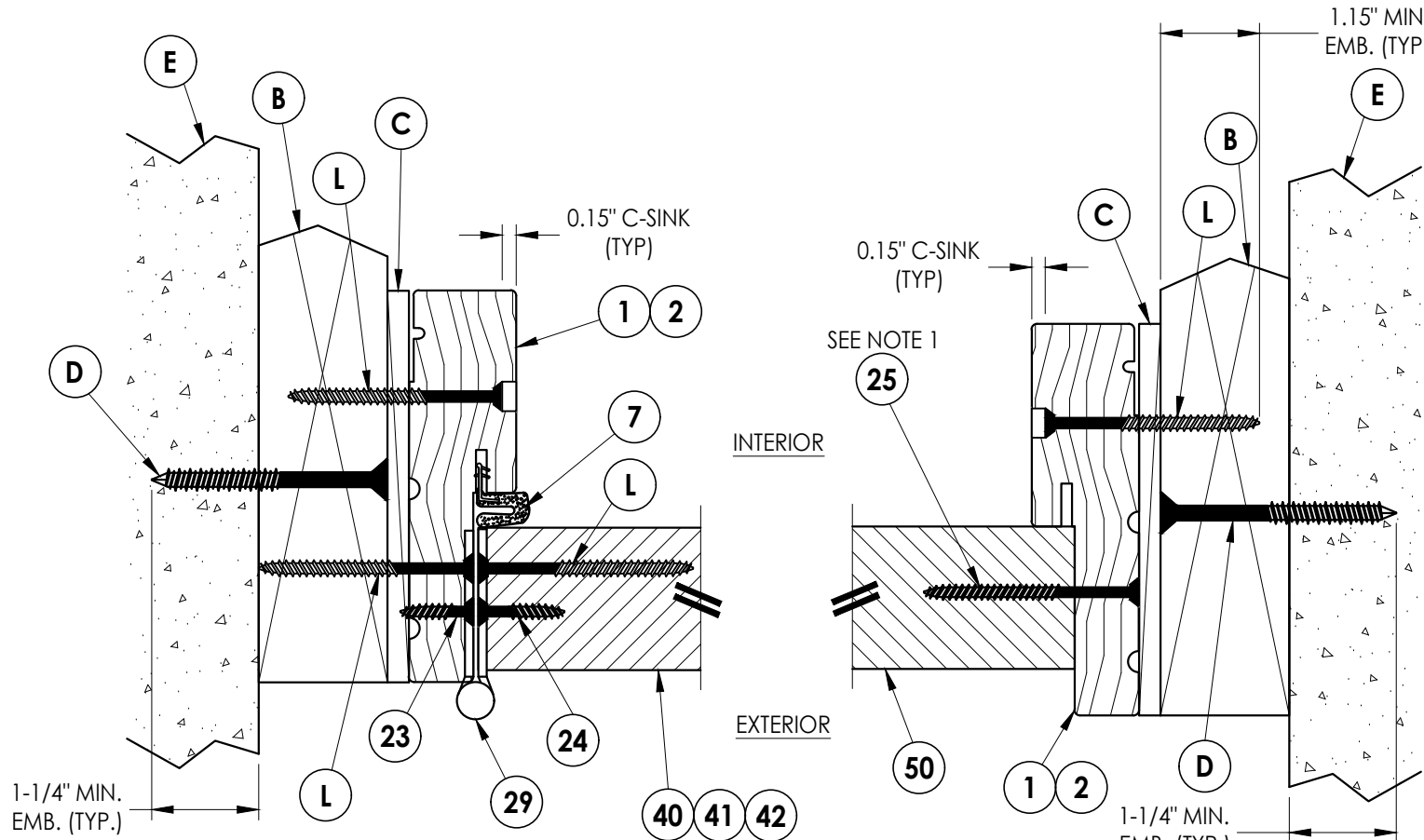
REVISIONS

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| 4   | 6/16/25 | REVISE DIRECT TO MASONRY INST. |
| 3   | 7/27/23 | UPDATE TO 8TH ED. (2023)       |
| 2   | 7/23/20 | UPDATE TO 7TH ED (2020)        |
| 1   | 5/20/20 | ADD DOOR CUT DOWN OPTION       |

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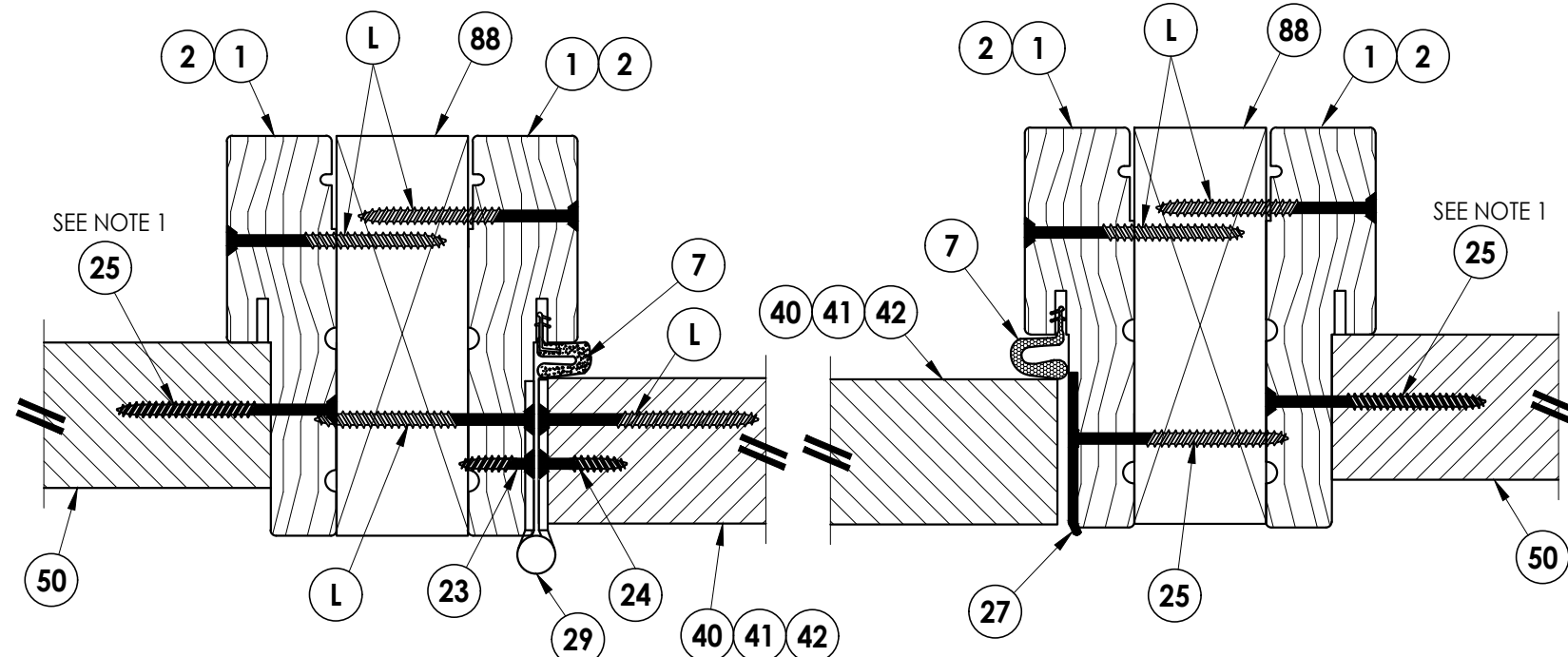
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FBPE Registry License No. 9813

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

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

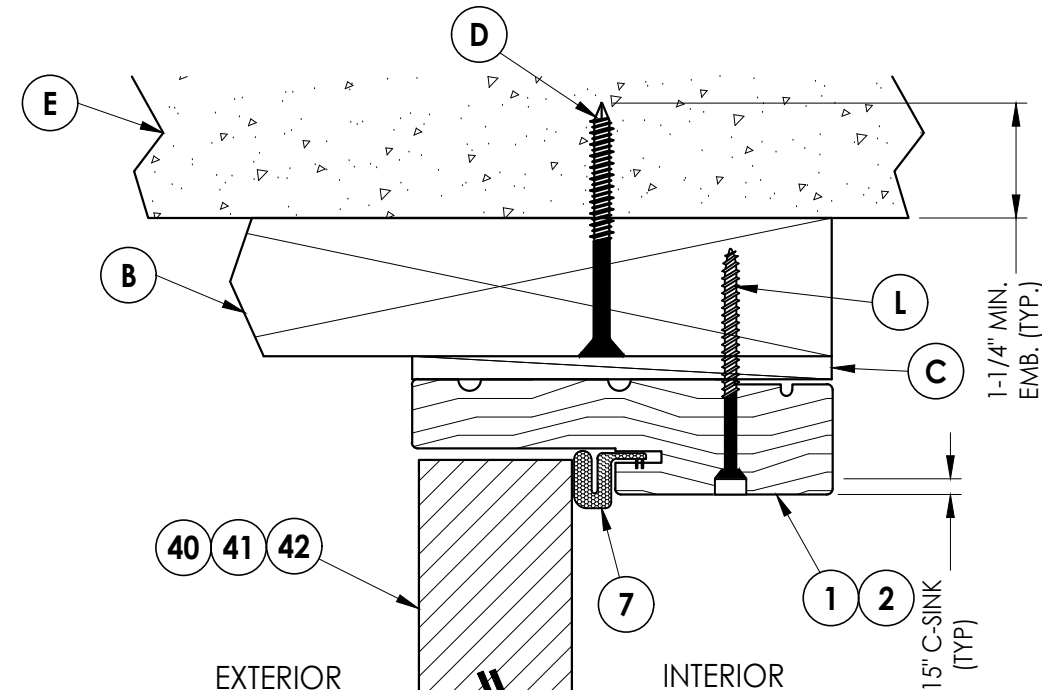


**5** **HORIZONTAL CROSS SECTION**  
Outswing shown (Inswing similar)

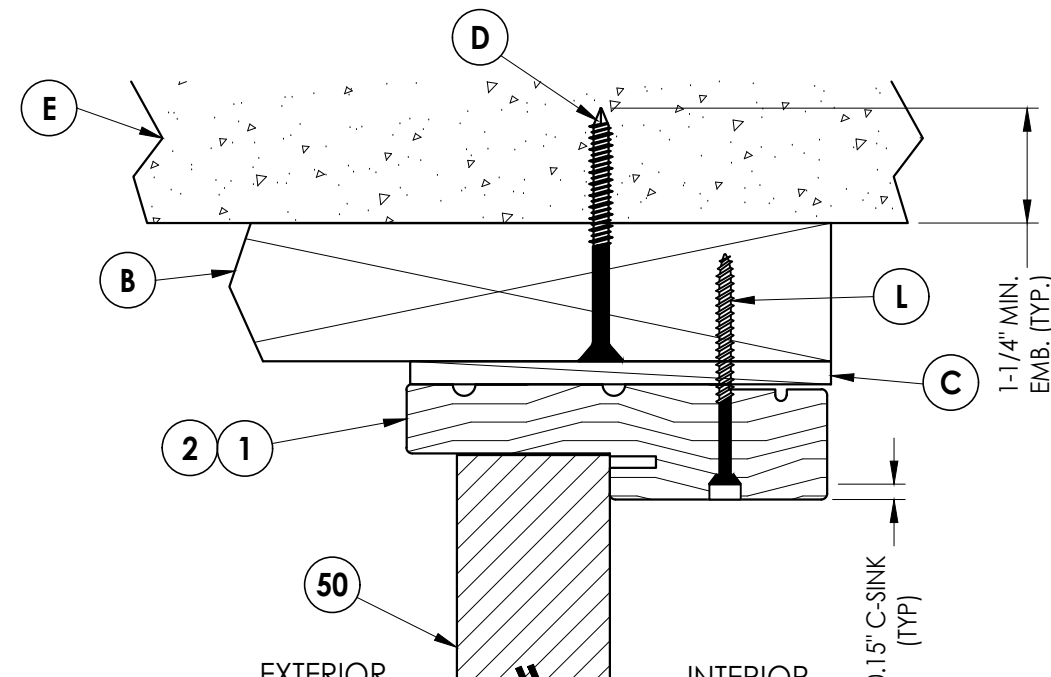
**6** **HORIZONTAL CROSS SECTION**  
Outswing shown (Inswing similar)

Note:

1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side 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)

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Lyndon F. Schmidt  
P.E. No. 43409

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PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

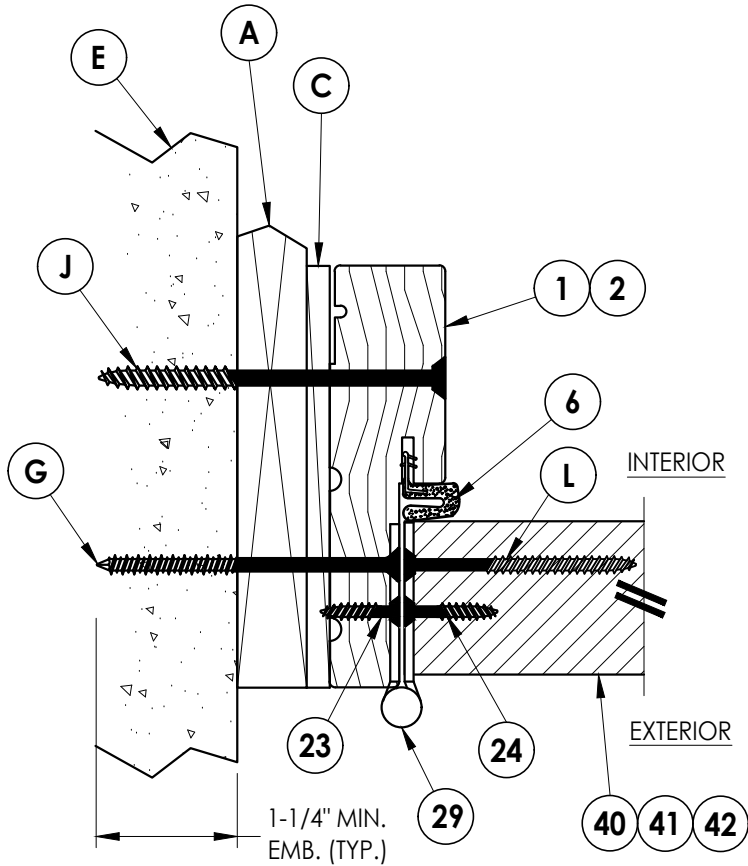
PART OR ASSEMBLY:  
HORIZONTAL & VERTICAL  
CROSS SECTIONS (2X BUCK)

| NO. | DATE    | REVISIONS                      |
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| 5   | 7/01/26 | UPDATE TO 9TH ED. (2026) FBC   |
| 4   | 6/16/25 | REVISE DIRECT TO MASONRY INST. |
| 3   | 7/27/23 | UPDATE TO 8TH ED. (2023) FBC   |
| 2   | 7/23/20 | UPDATE TO 7TH ED. (2020) FBC   |
| 1   | 5/20/20 | ADD DOOR CUT DOWN OPTION       |

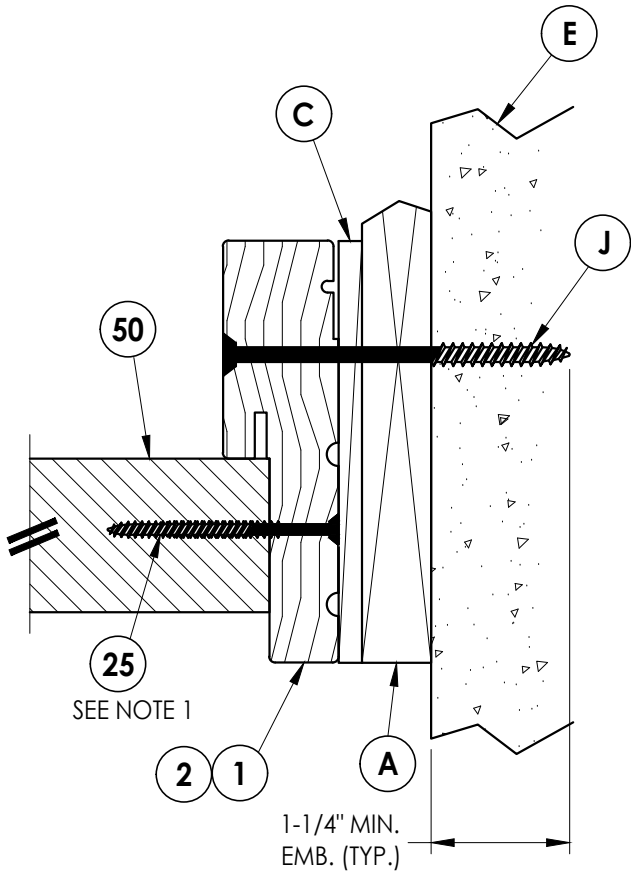
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SCALE: N.T.S.  
DWG. BY: RW  
CHK. BY: LFS  
DRAWING NO.: FL-30482.2  
SHEET 5 OF 13

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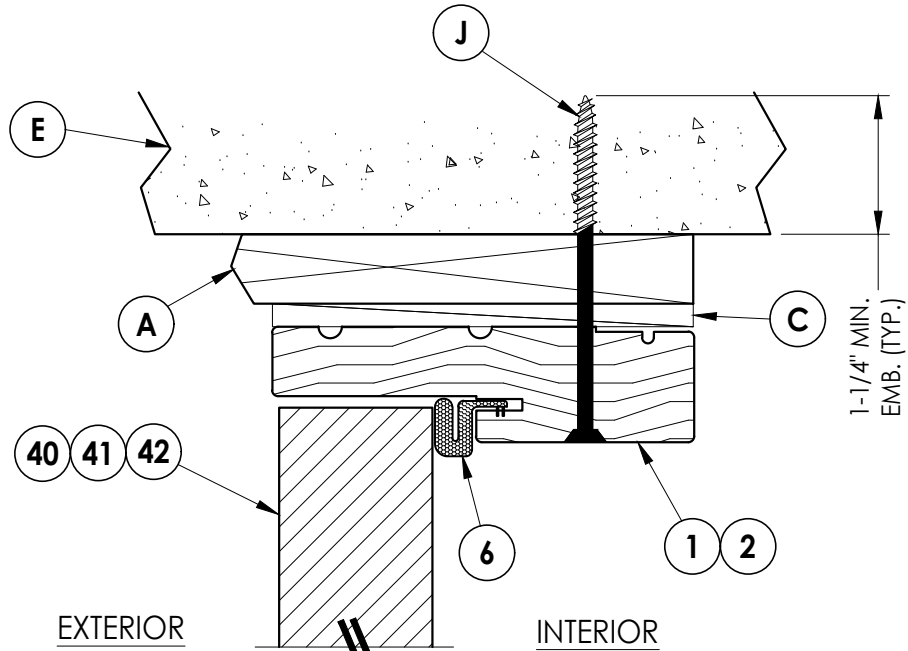
Note:  
1. Sidelite assembly screws located 6" from each end and 4 more screws  
equally spaced between (6 screws total per side jamb).



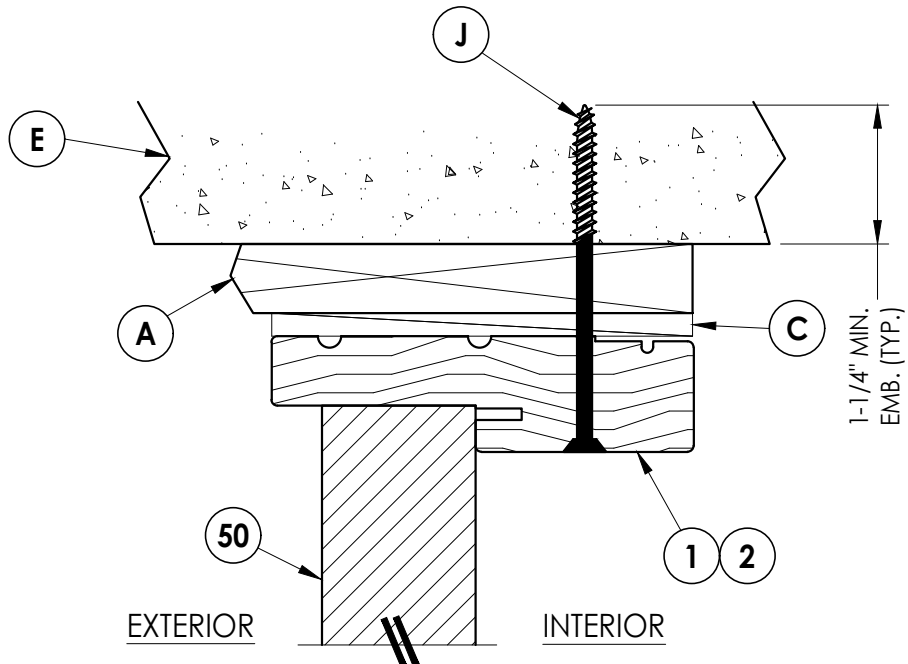
**1**  
**6** **HORIZONTAL CROSS SECTION**  
Shown w/ 1X sub-buck  
Outswing shown (Inswing similar)



**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

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PRODUCT: **THERMA-TRU  
FIBERGLASS DOOR**

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

| NO. | DATE    | REVISIONS                      |
|-----|---------|--------------------------------|
| 5   | 7/01/26 | UPDATE TO 9TH ED. (2026) FBC   |
| 4   | 6/16/25 | REVISE DIRECT TO MASONRY INST. |
| 3   | 7/27/23 | UPDATE TO 8TH ED. (2023) FBC   |
| 2   | 7/23/20 | UPDATE TO 7TH ED (2020) FBC    |
| 1   | 5/20/20 | ADD DOOR CUT DOWN OPTION       |

DATE: 10/01/19

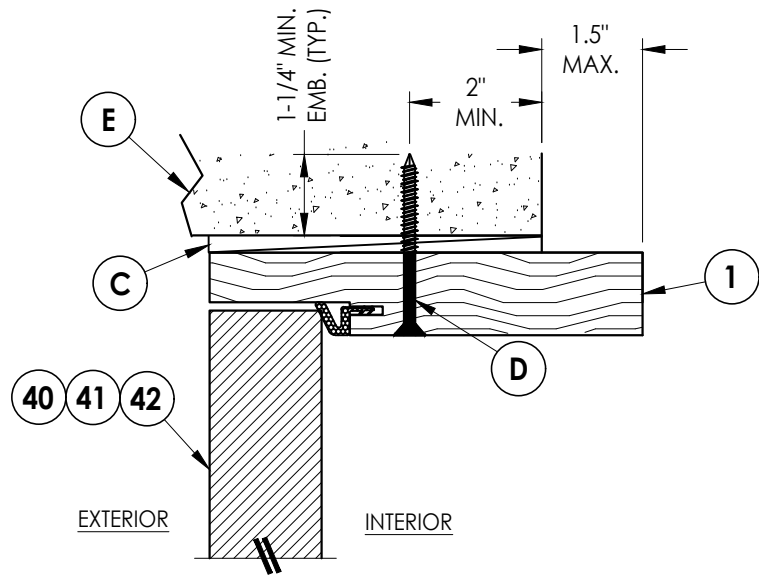
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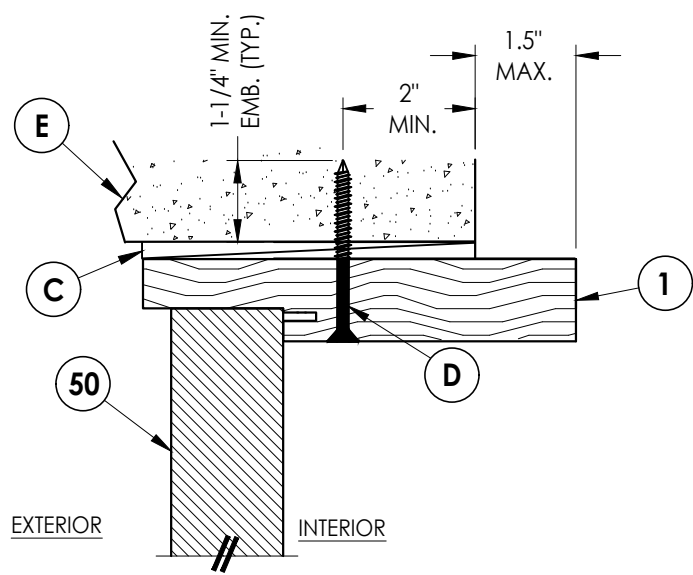
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FL-30482.2

SHEET 6 OF 13

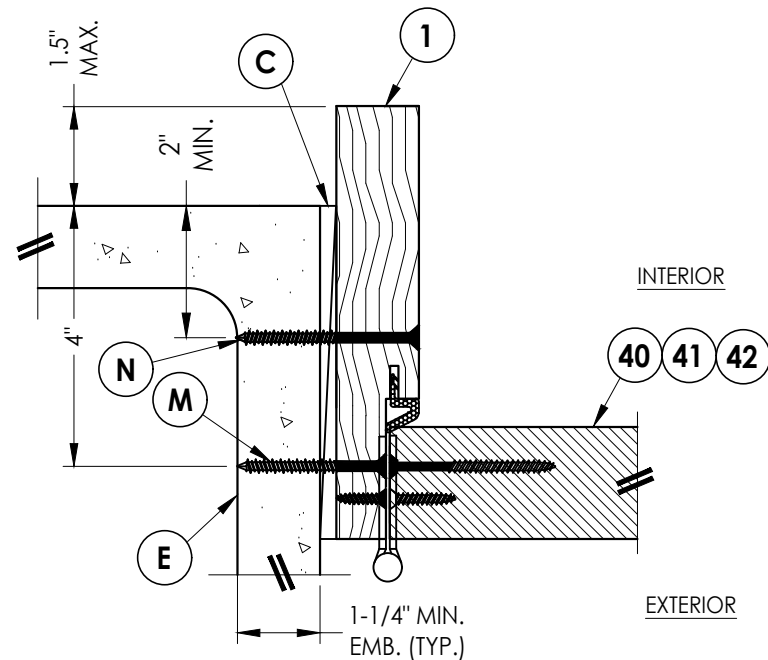


**3**  
**7** **HORIZONTAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 6-9/16" jamb

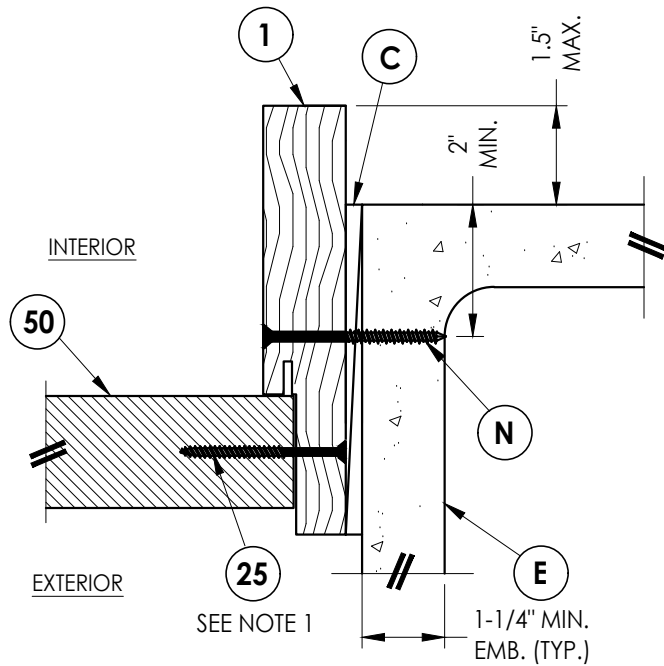


**4**  
**7** **VERTICAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 6-9/16" jamb

Note:  
1. Sidelite assembly screws located 6" from each end plus 4 more  
equally spaced between (6 screws total per side jamb).



**1**  
**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

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PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

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

| NO. | DATE    | REVISIONS                      | BY  |
|-----|---------|--------------------------------|-----|
| 5   | 7/01/26 | UPDATE TO 9TH ED. (2026) FBC   | LFS |
| 4   | 6/16/25 | REVISE DIRECT TO MASONRY INST. | LFS |
| 3   | 7/27/23 | UPDATE TO 8TH ED. (2023) FBC   | LFS |
| 2   | 7/23/20 | UPDATE TO 7TH ED (2020) FBC    | LFS |
| 1   | 5/20/20 | ADD DOOR CUT DOWN OPTION       | LFS |

DATE: 8/02/16

SCALE: N.T.S.

DWG. BY: RW

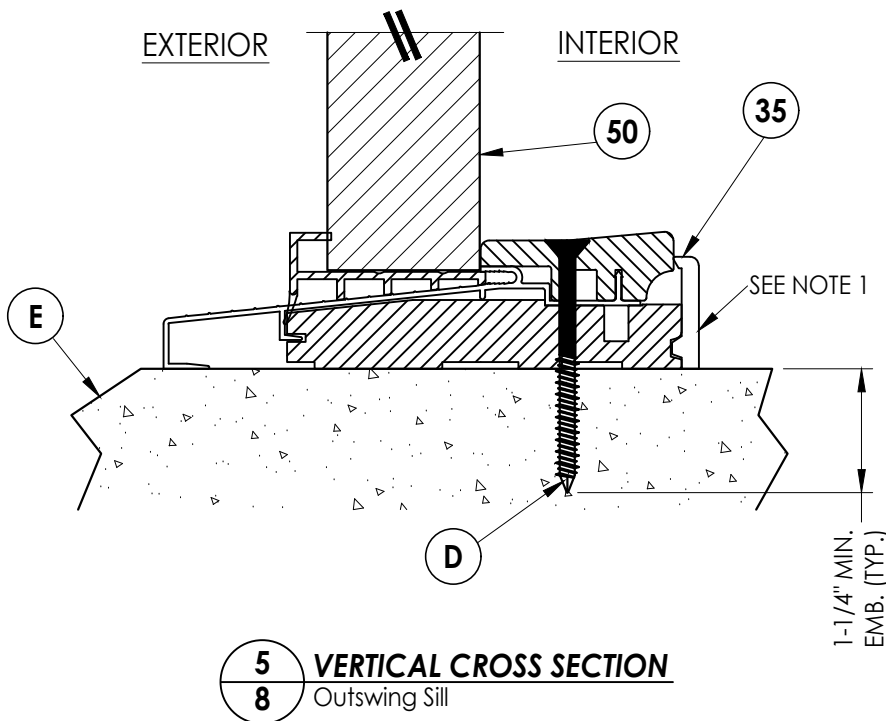
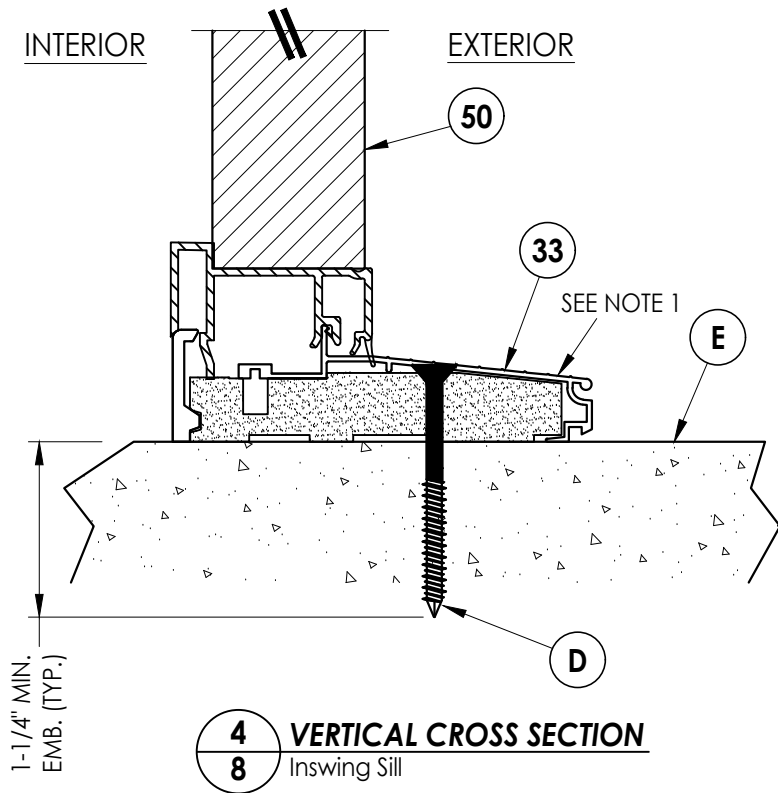
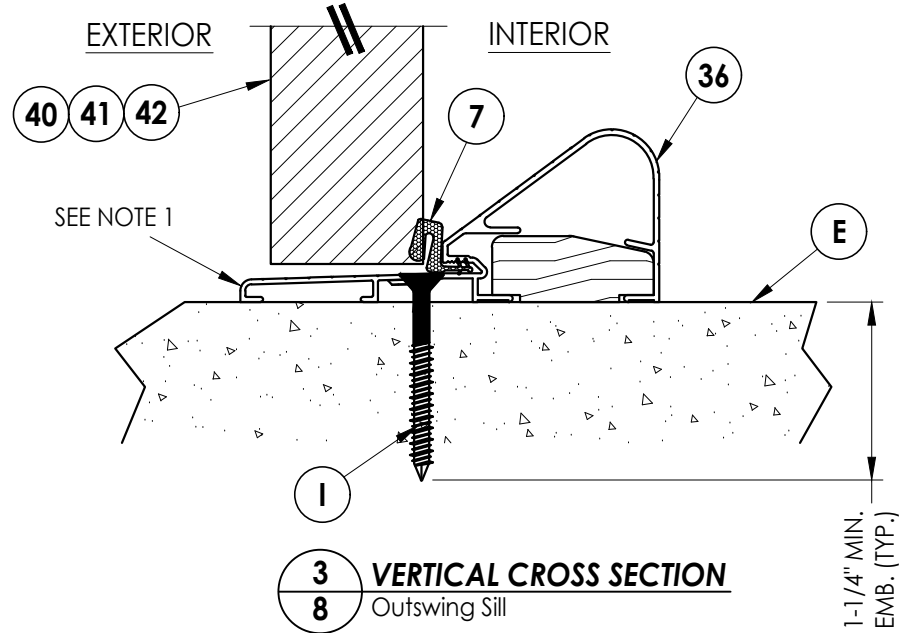
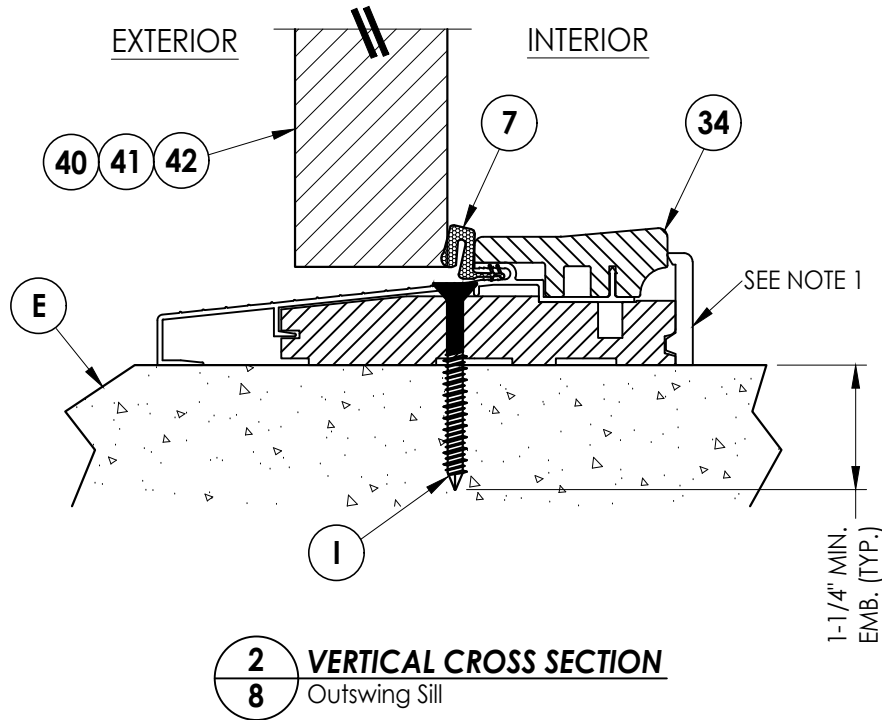
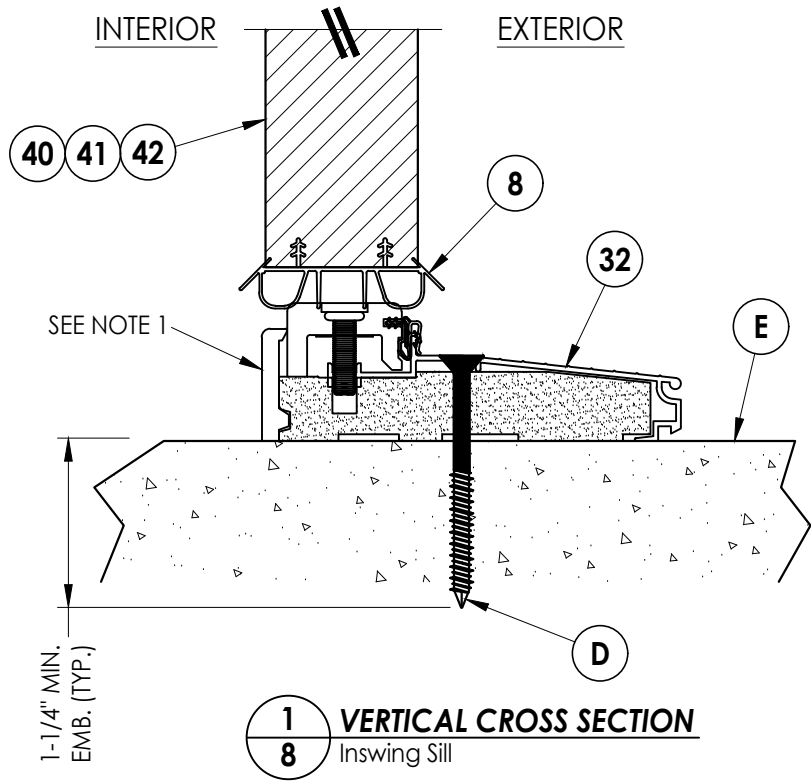
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FL-30482.2

SHEET 7 OF 13

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Note:  
1. Sill Item #'s 32, 33, 34 & 35 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.  
Sill Item #'s 36 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.



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P.E. No. 43409

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PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
VERTICAL CROSS  
SECTIONS (THRESHOLDS)

| NO. | DATE    | REVISIONS                          |
|-----|---------|------------------------------------|
| 5   | 7/01/26 | UPDATE TO 9TH ED. (2026) FBC       |
| 4   | 6/16/25 | REVISE DIRECT TO MASONRY INST. LFS |
| 3   | 7/27/23 | UPDATE TO 8TH ED. (2023) FBC LFS   |
| 2   | 7/23/20 | UPDATE TO 7TH ED. (2020) FBC LFS   |
| 1   | 5/20/20 | ADD DOOR CUT DOWN OPTION LFS       |
|     |         | BY                                 |

DATE: 10/01/19

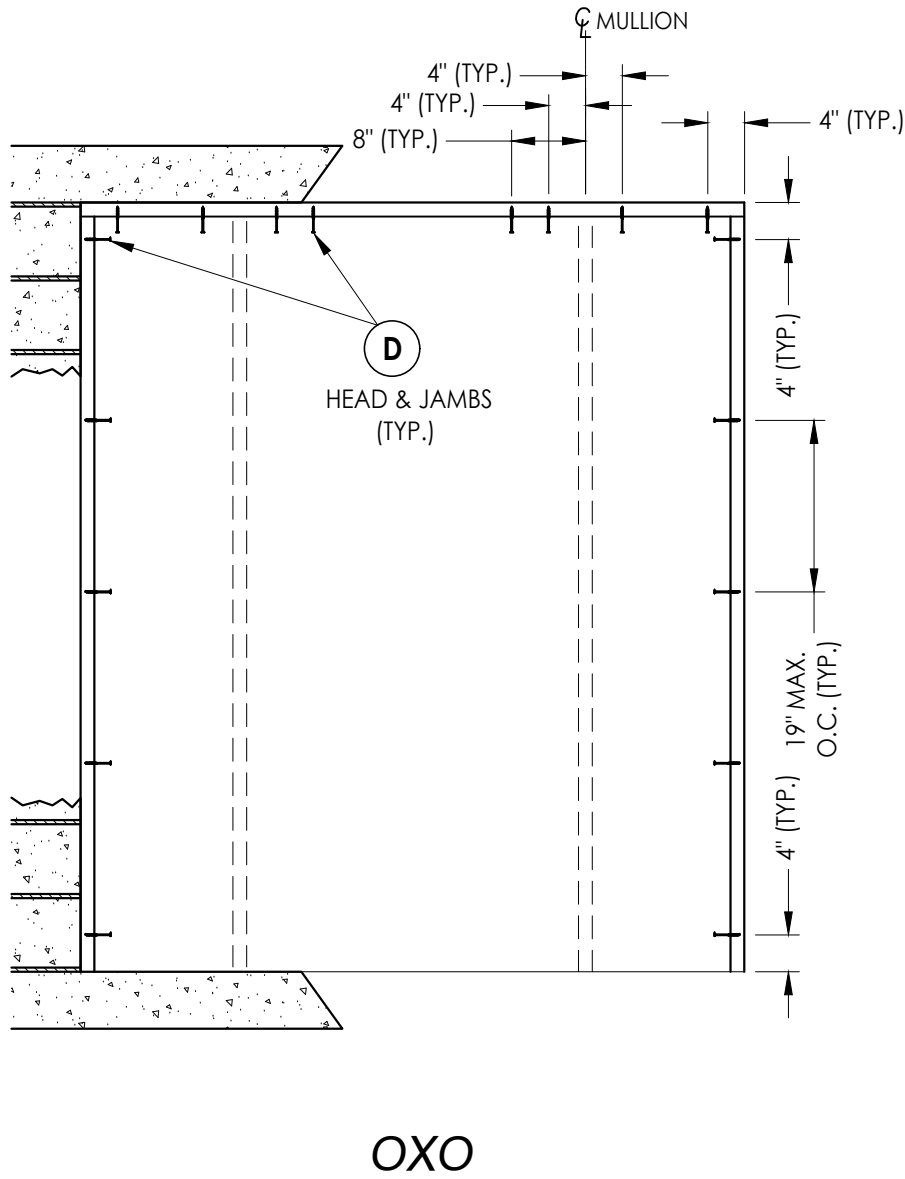
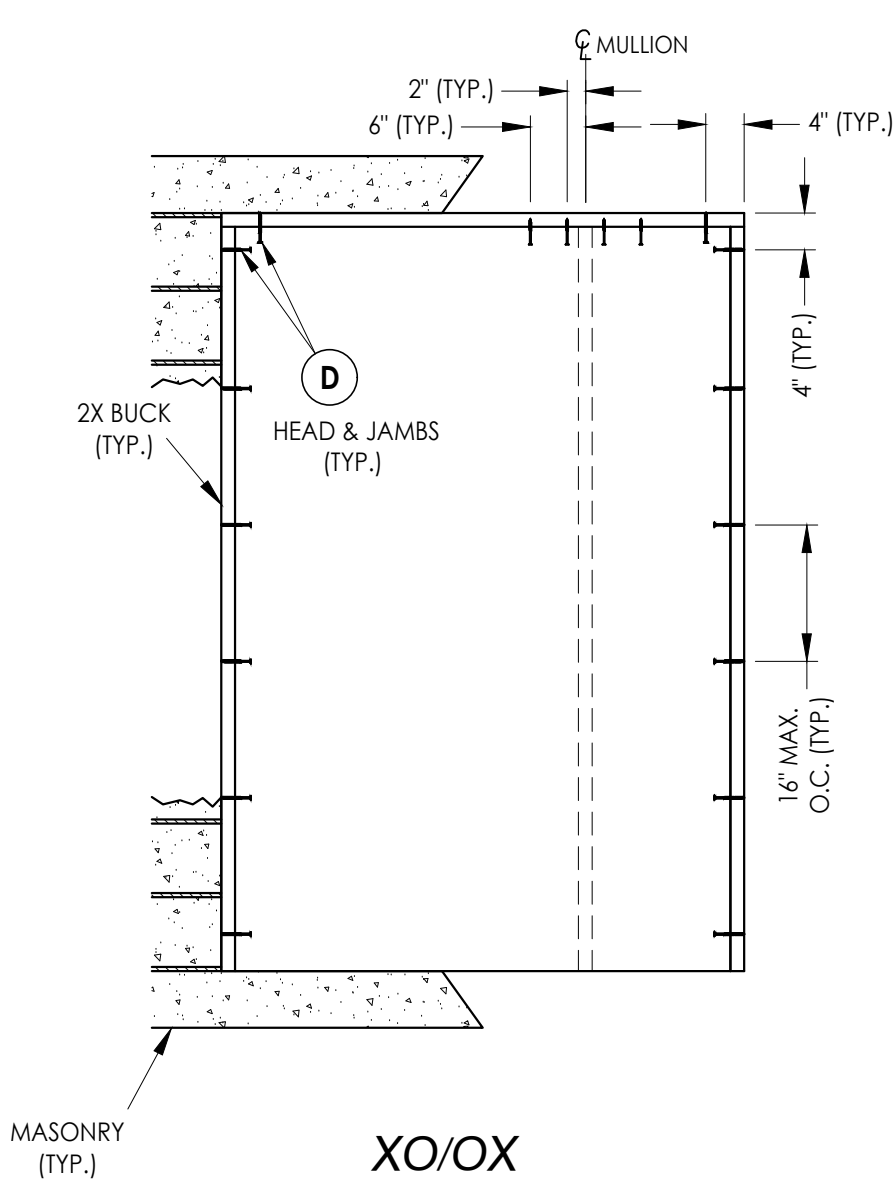
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DRAWING NO.:  
FL-30482.2

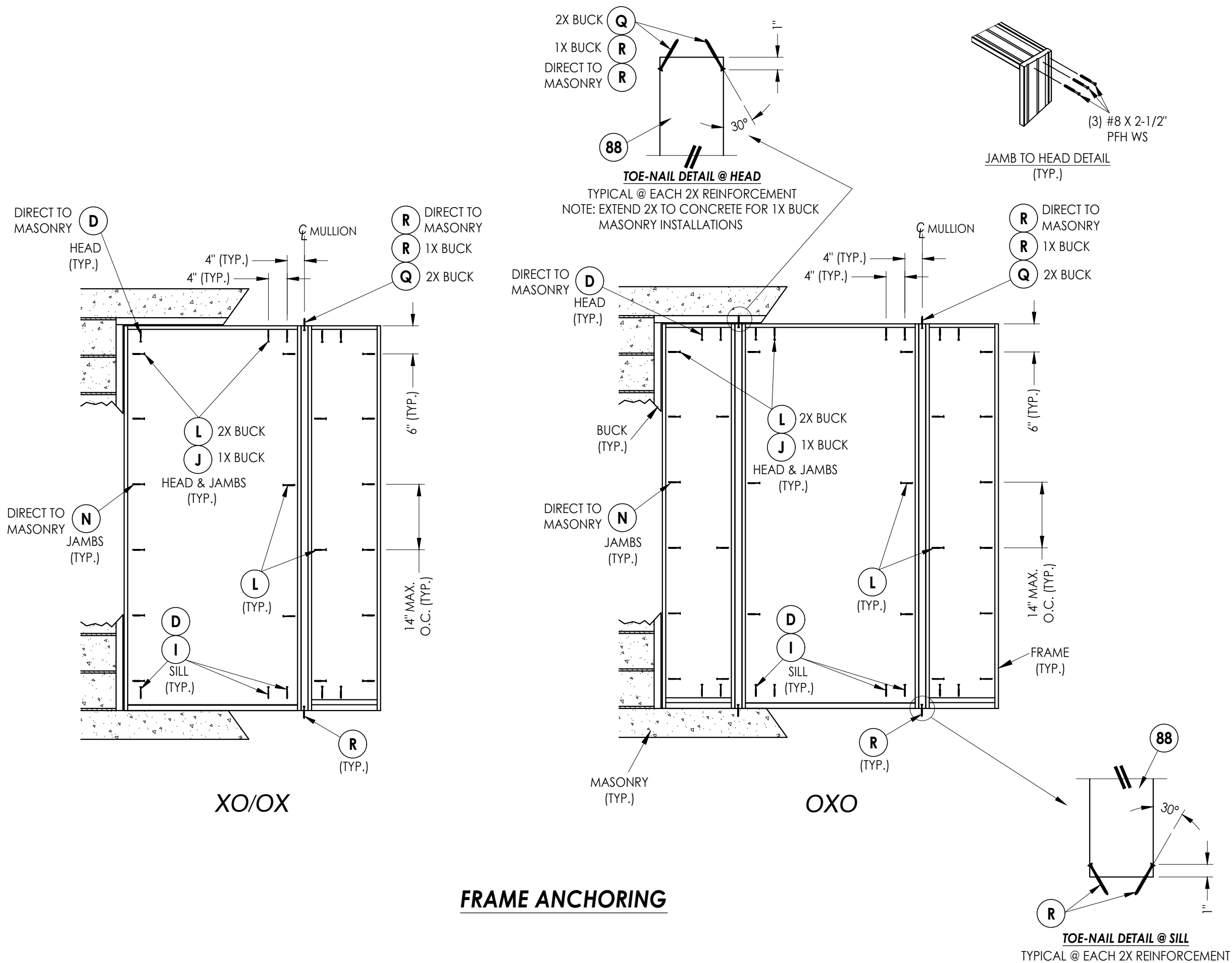
SHEET 8 OF 13



2X BUCK 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 License No. 9813 |     |
| PRODUCT:<br>THERMA-TRU<br>FIBERGLASS DOOR                     |         | PART OR ASSEMBLY:<br>BUCK ANCHORING                                                                                        |     |
| 5                                                             | 7/01/26 | UPDATE TO 9TH ED. (2026) FBC                                                                                               | LFS |
| 4                                                             | 6/16/25 | REVISE DIRECT TO MASONRY INST.                                                                                             | LFS |
| 3                                                             | 7/27/23 | UPDATE TO 8TH ED. (2023) FBC                                                                                               | LFS |
| 2                                                             | 7/23/20 | UPDATE TO 7TH ED (2020) FBC                                                                                                | LFS |
| 1                                                             | 5/20/20 | ADD DOOR CUT DOWN OPTION                                                                                                   | LFS |
| NO.                                                           | DATE    | REVISIONS                                                                                                                  |     |
| DATE: 10/01/19                                                |         |                                                                                                                            |     |
| SCALE: N.T.S.                                                 |         |                                                                                                                            |     |
| DWG. BY:                                                      |         | RW                                                                                                                         |     |
| CHK. BY:                                                      |         | LFS                                                                                                                        |     |
| DRAWING NO.: FL-30482.2                                       |         |                                                                                                                            |     |
| SHEET 9 OF 13                                                 |         |                                                                                                                            |     |

Z:\2023 FBC Drawings\Therma-Tru\FL-30482 R7\FL-30482.1-3.dwg



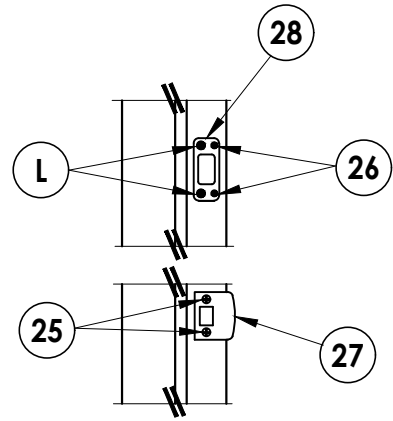
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

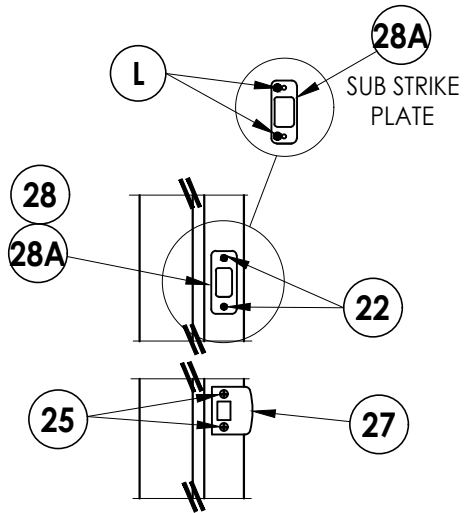
| NO. | DATE    | DESCRIPTION                    |
|-----|---------|--------------------------------|
| 5   | 7/01/26 | UPDATE TO 9TH ED. (2026) FBC   |
| 4   | 6/16/25 | REVISE DIRECT TO MASONRY INST. |
| 3   | 7/27/23 | UPDATE TO 8TH ED. (2023) FBC   |
| 2   | 7/23/20 | UPDATE TO 7TH ED (2020) FBC    |
| 1   | 5/20/20 | ADD DOOR CUT DOWN OPTION       |

DATE: 10/01/19  
SCALE: N.T.S.  
DWG. BY: RW  
CHK. BY: LFS  
DRAWING NO.: FL-30482.2  
SHEET 10 OF 13

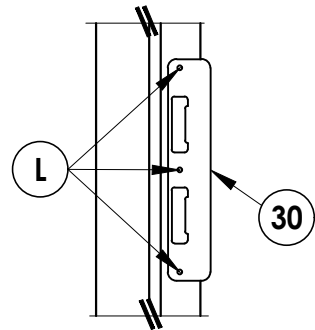
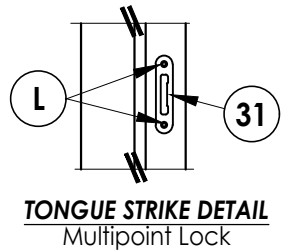
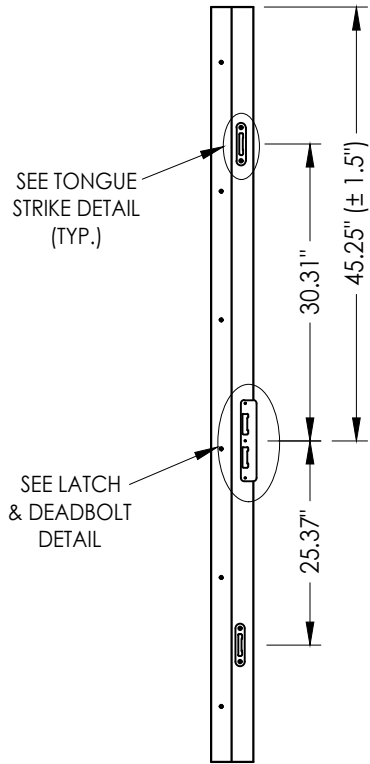
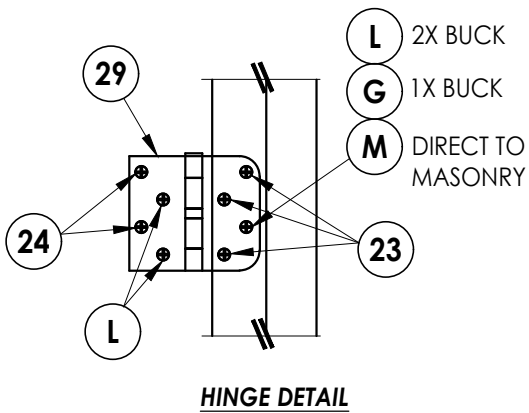
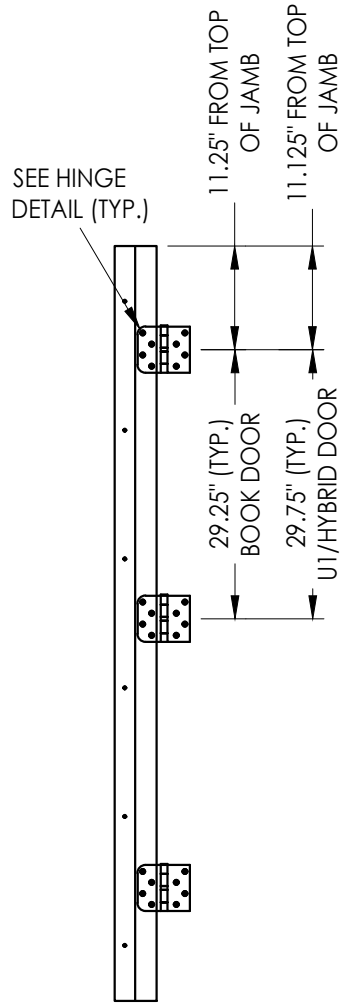
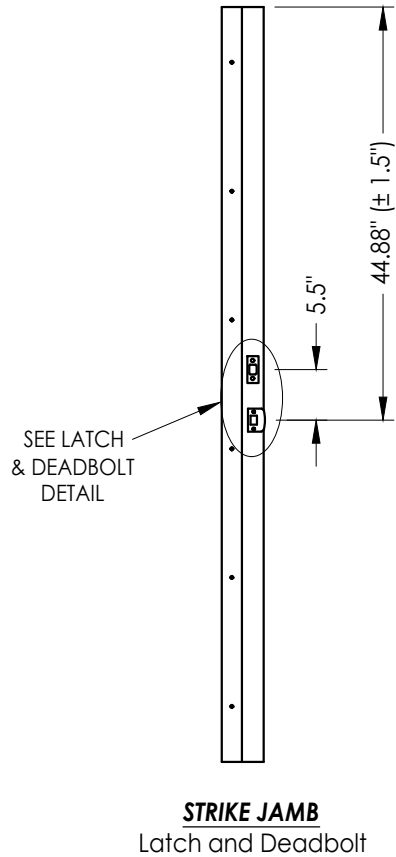
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**LATCH & DEADBOLT DETAIL**  
Kwikset



**LATCH & DEADBOLT DETAIL**  
Schlage



**HINGE JAMB**

**STRIKE JAMB**  
Multipoint Lock

**LATCH & DEADBOLT DETAIL**  
Multipoint Lock

**MULTIPOINT LOCK STRIKE DETAILS**

**LATCH & DEADBOLT STRIKE DETAILS**

| NO. | DATE    | REVISIONS                      |     |     |
|-----|---------|--------------------------------|-----|-----|
|     |         | BY                             | LFS | FBC |
| 5   | 7/01/26 | UPDATE TO 9TH ED. (2026)       | FBC | LFS |
| 4   | 6/16/25 | REVISE DIRECT TO MASONRY INST. | LFS | LFS |
| 3   | 7/27/23 | UPDATE TO 8TH ED. (2023)       | FBC | LFS |
| 2   | 7/23/20 | UPDATE TO 7TH ED (2020)        | FBC | LFS |
| 1   | 5/20/20 | ADD DOOR CUT DOWN OPTION       | LFS | LFS |

DATE: 10/01/19

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-30482.2

SHEET 11 OF 13

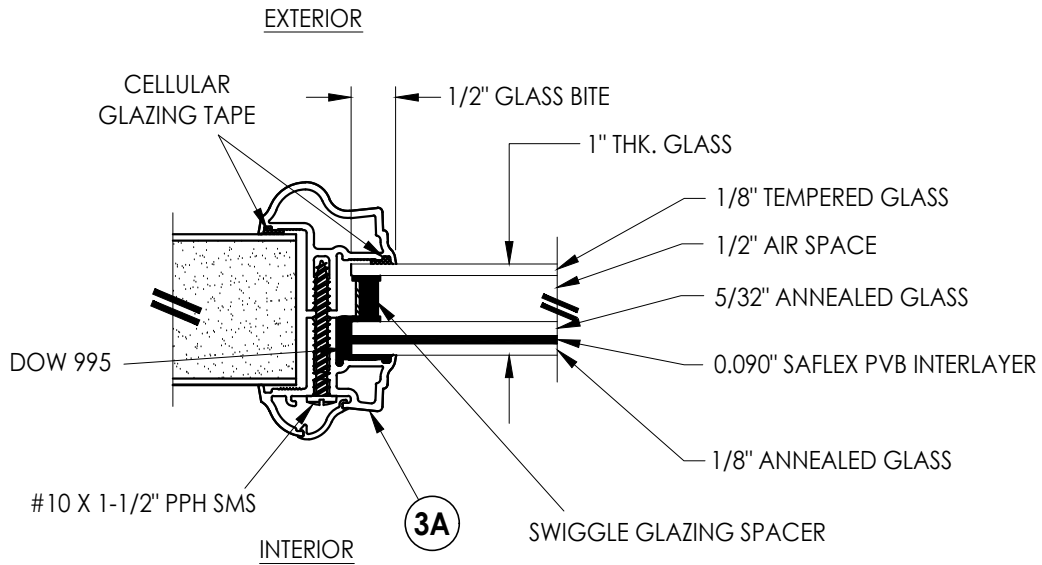
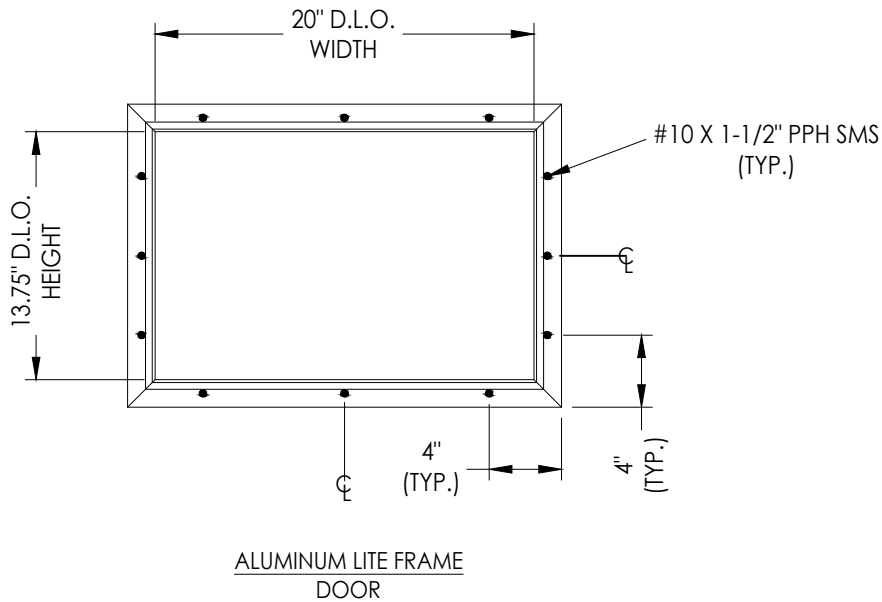
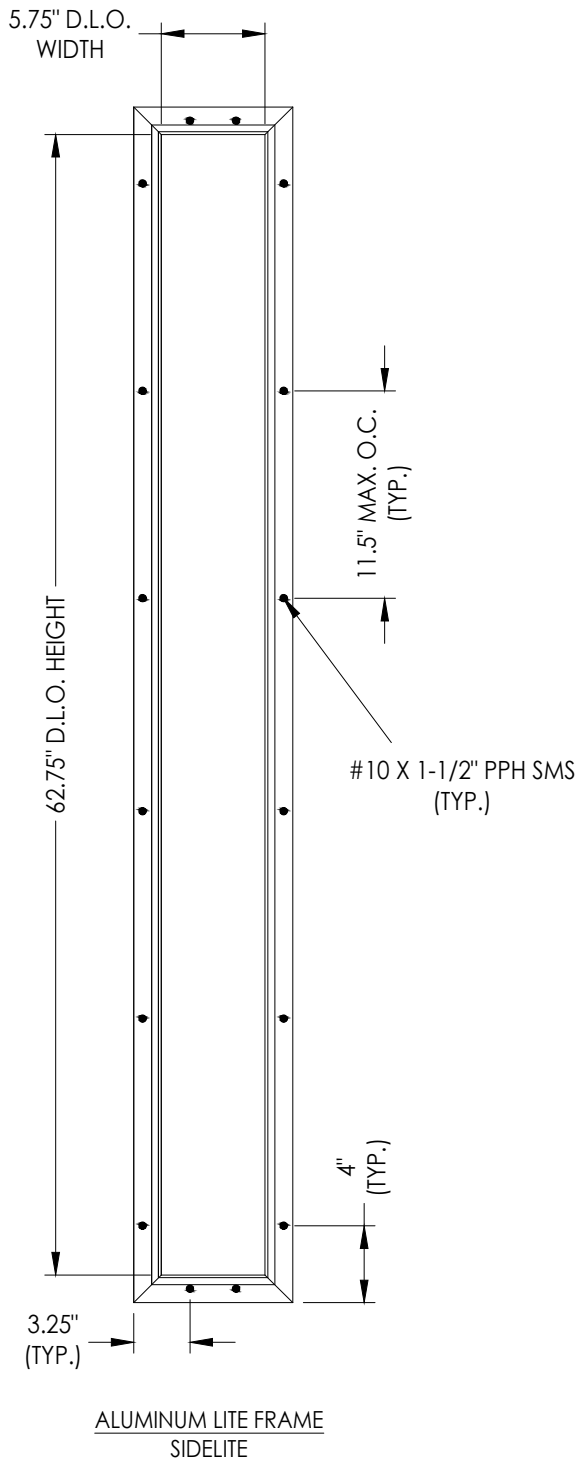
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

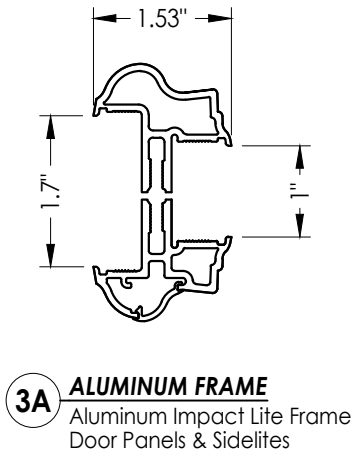
PART OR ASSEMBLY:

HARDWARE DETAILS

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**G1 GLAZING DETAIL**  
Aluminum Impact Lite Frame  
Door Panels & Sidelites



DATE: 10/01/19

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-30482.2

SHEET 12 OF 13

| NO. | DATE    | REVISIONS                          |
|-----|---------|------------------------------------|
| 5   | 7/01/26 | UPDATE TO 9TH ED. (2026) FBC       |
| 4   | 6/16/25 | REVISE DIRECT TO MASONRY INST. LFS |
| 3   | 7/27/23 | UPDATE TO 8TH ED. (2023) FBC       |
| 2   | 7/23/20 | UPDATE TO 7TH ED (2020) FBC        |
| 1   | 5/20/20 | ADD DOOR CUT DOWN OPTION           |
|     |         |                                    |

|                   |                               |
|-------------------|-------------------------------|
| PRODUCT:          | THERMA-TRU<br>FIBERGLASS DOOR |
| PART OR ASSEMBLY: | GLAZING DETAILS               |

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

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