



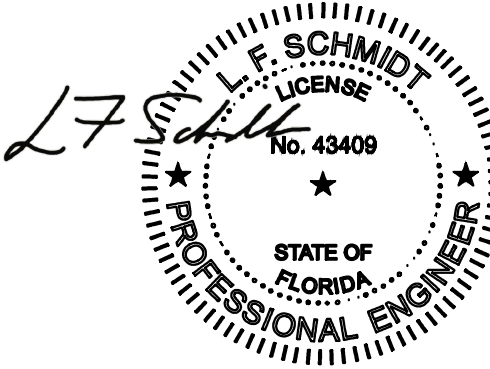
Fiber-Classic® & Smooth-Star®

COMPOSITE EDGE  
OPAQUE FIBERGLASS SINGLE DOOR  
w/ TRANSOM & SIDELITE(S)  
INSWING/OUTSWING  
"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection, this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2 as follows: Wind Zones 1, 2 & 3: Glazed Sidelites/Transom 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.
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.

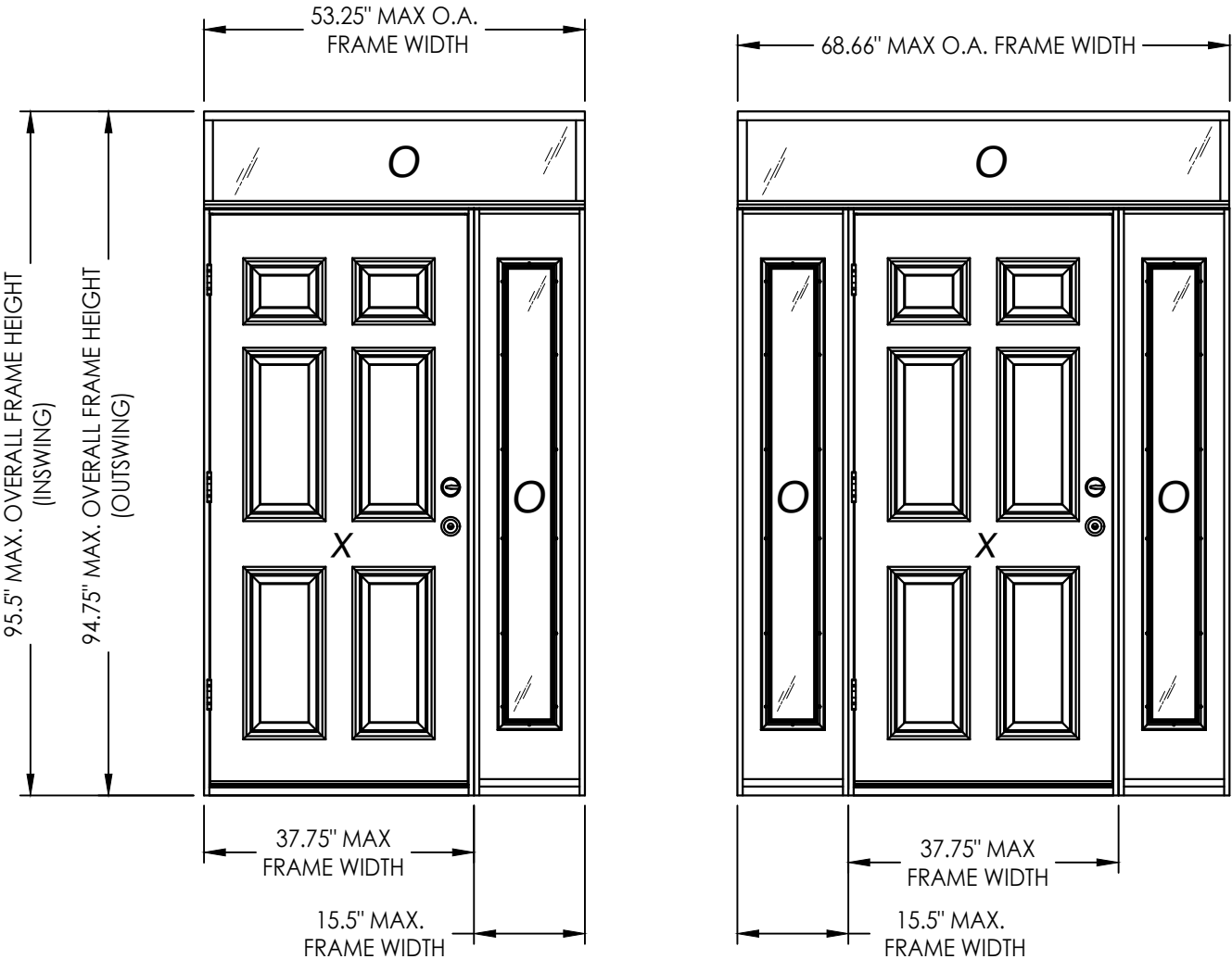
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Digitally signed by Lyndon F Schmidt  
Date: 2026.08.05 12:30:48 -04'00'

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     | LOCK HARDWARE    | DESIGN PRESSURE (PSF) INSWING |          | DESIGN PRESSURE (PSF) OUTSWING |          |
|-------------------|------------------|-------------------------------|----------|--------------------------------|----------|
|                   |                  | POSITIVE                      | NEGATIVE | POSITIVE                       | NEGATIVE |
| O/XO, O/OX, O/OXO | Latch & Deadbolt | +47.0                         | -47.0    | +47.0                          | -47.0    |
| O/XO, O/OX, O/OXO | Multipoint       | +47.0                         | -47.0    | +47.0                          | -47.0    |

See Sheet 5 for Hardware Specifications

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

PRODUCT:  
THERMA TRU  
FIBERGLASS DOOR

67/03/26  
UPDATE TO 9TH ED. (2026)

57/19/23  
UPDATE TO 8TH ED. (2023)

47/21/20  
UPDATE TO 7th ED (2020)

NO. DATE

DATE: 05/26/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-20461.18

SHEET 1 OF 15

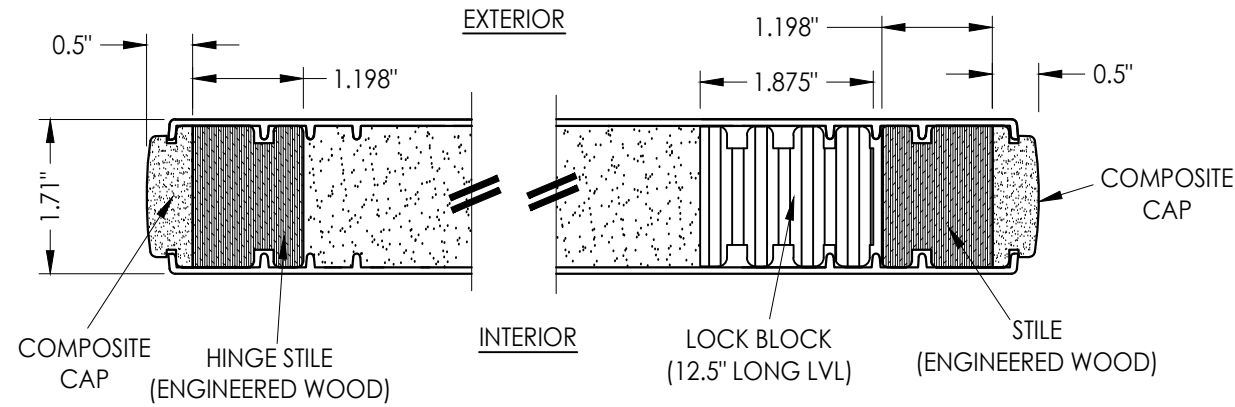
Part or Assembly:  
TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

REVISIONS

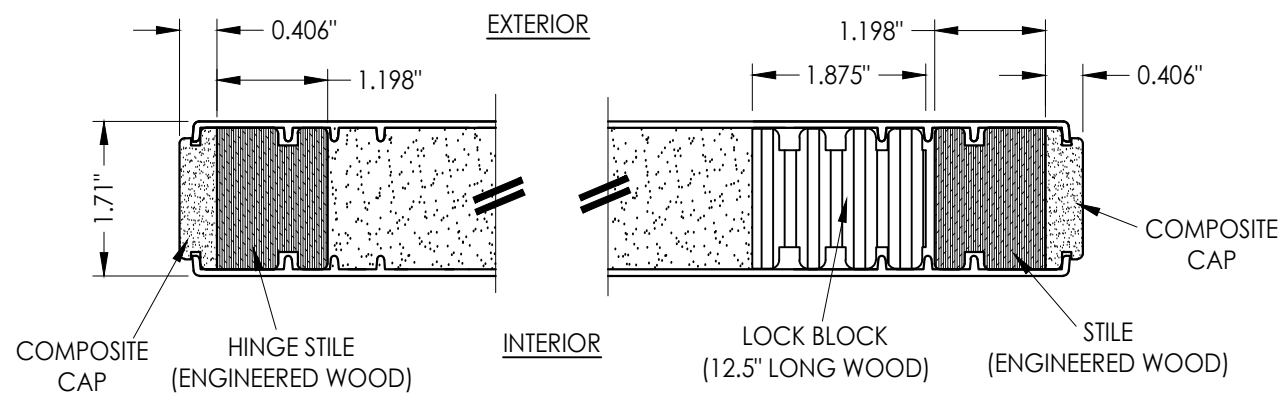
RWBUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

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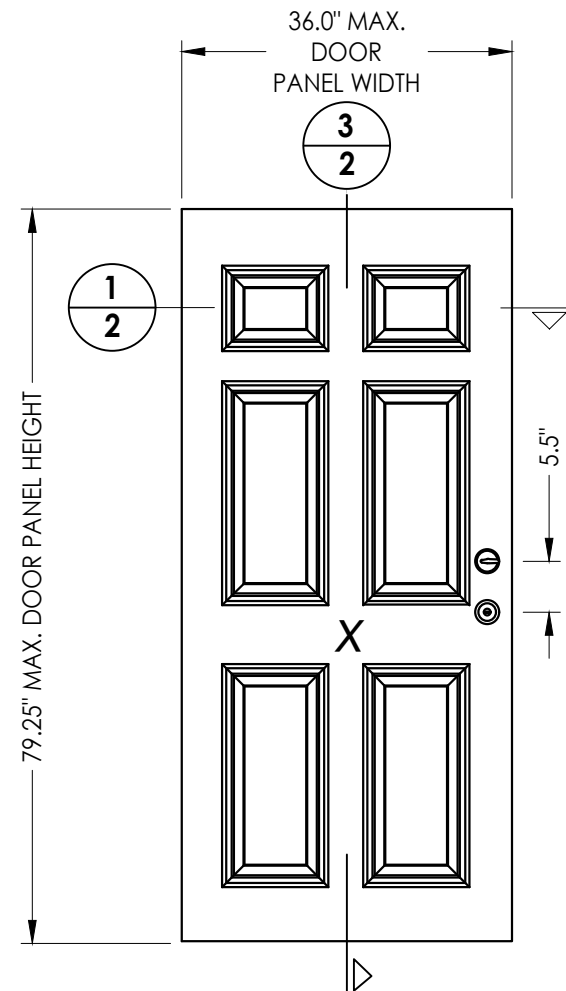
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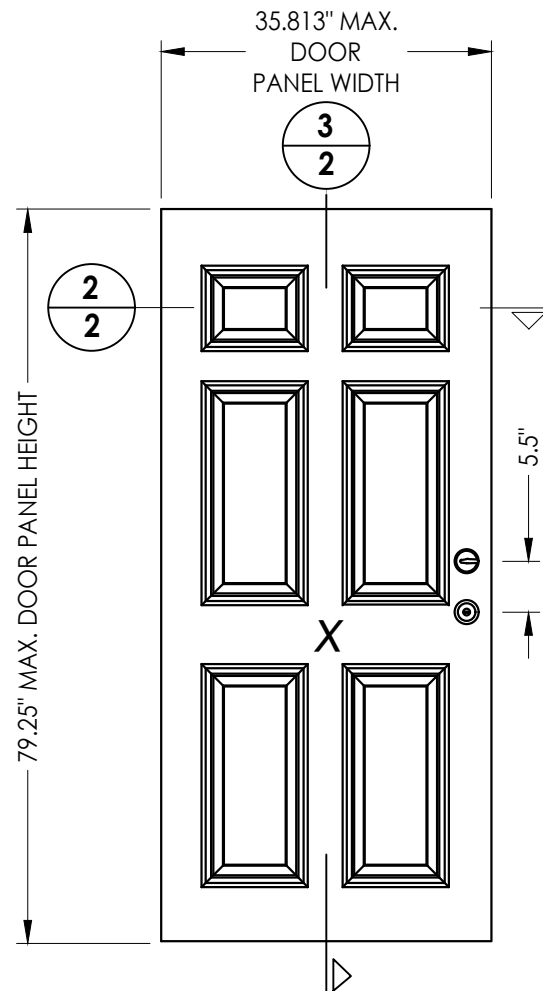
1  
2 HORIZONTAL CROSS SECTION



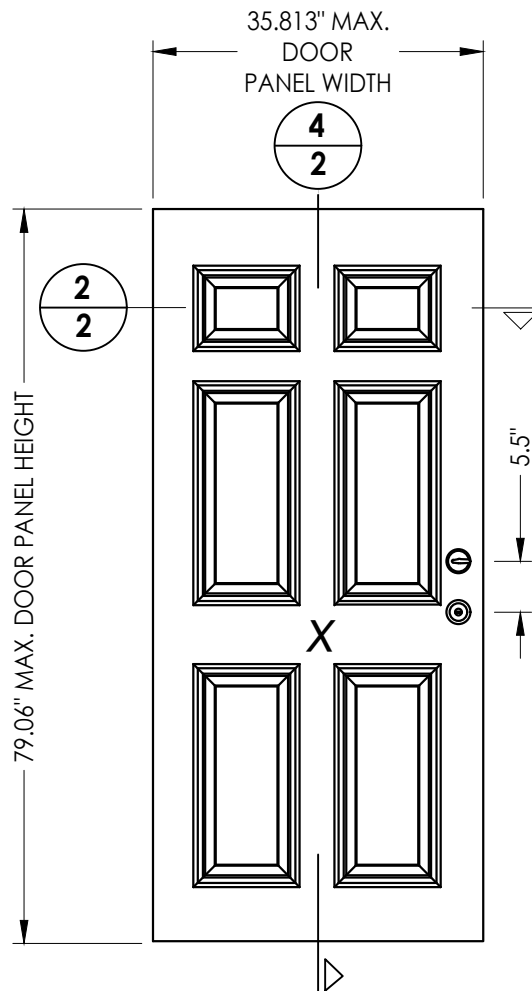
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2 HORIZONTAL CROSS SECTION



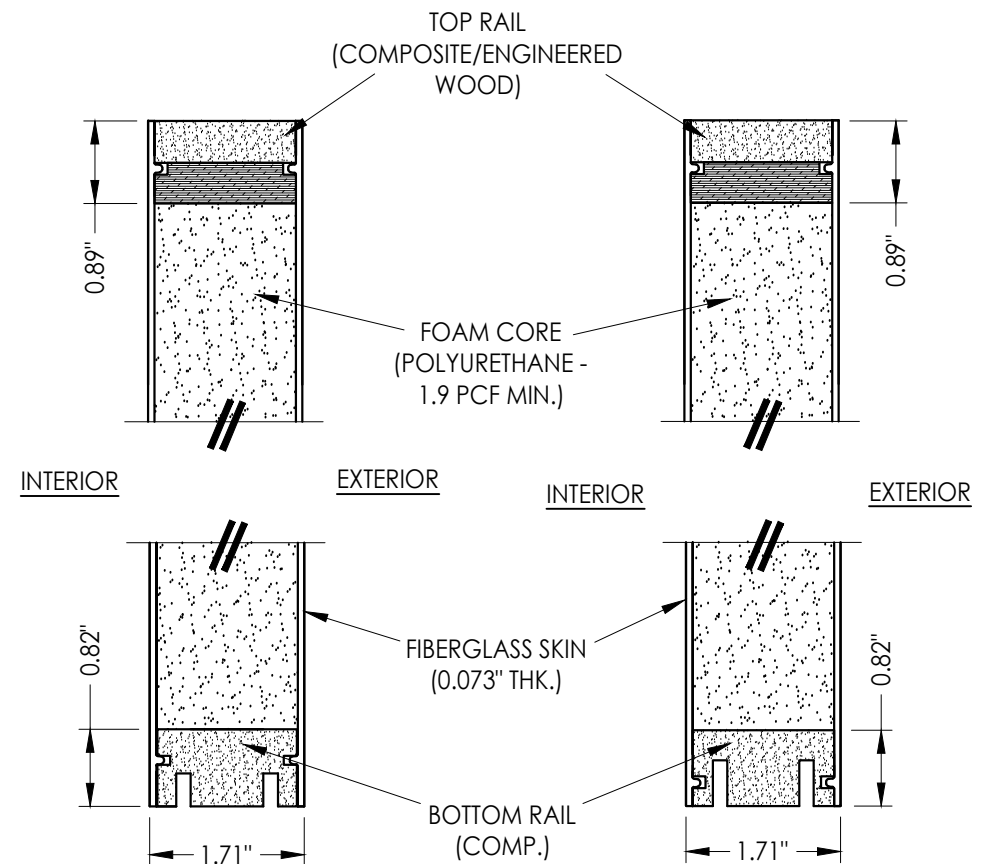
40 DOOR PANEL  
BOOK



41 DOOR PANEL  
Hybrid Door



42 DOOR PANEL  
U1 Door



3  
2 VERTICAL CROSS SECTION

4  
2 VERTICAL CROSS SECTION

Documents Prepared By:  
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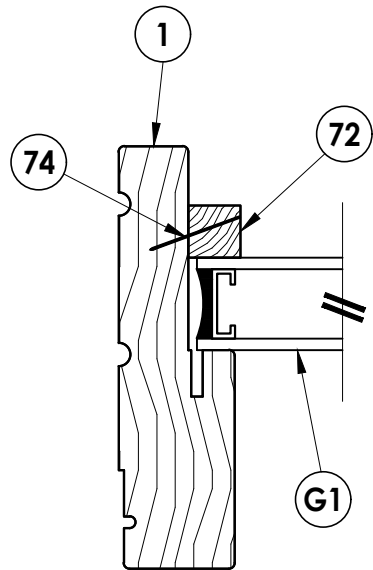
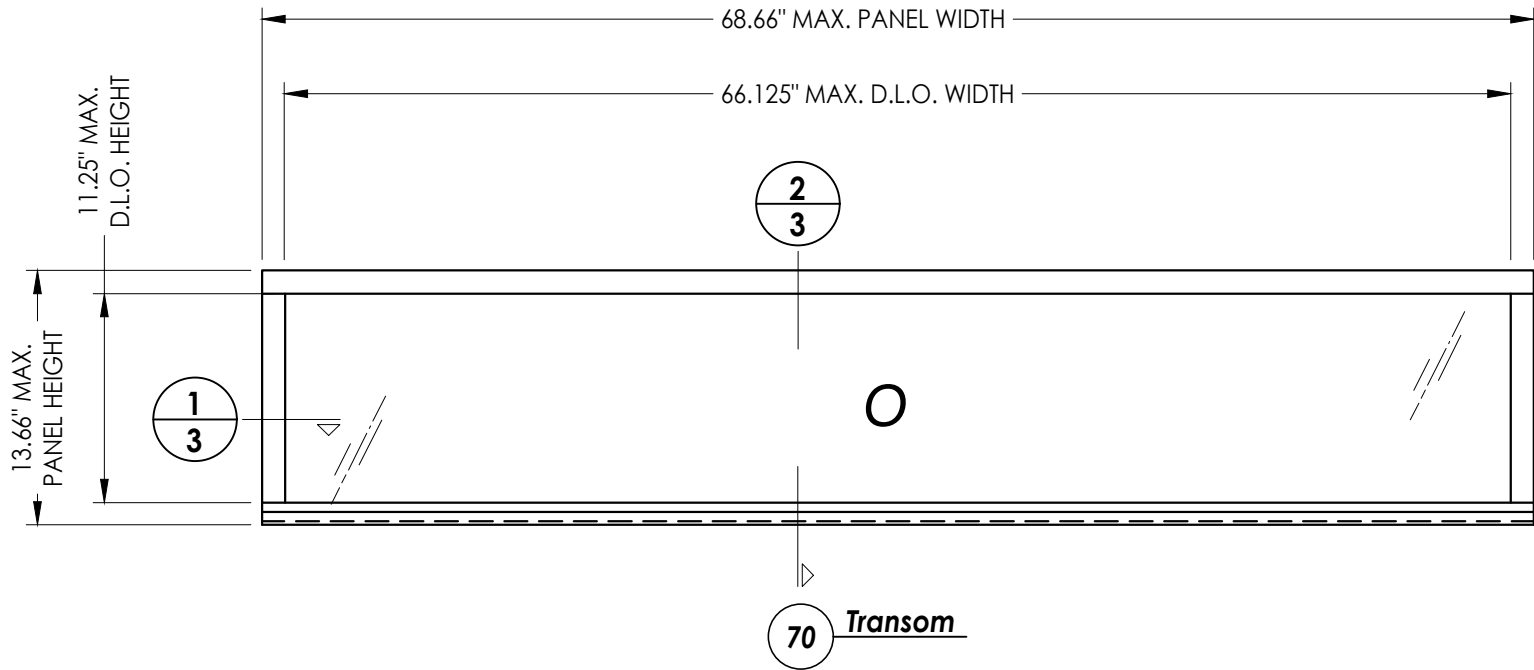
PRODUCT:  
THERMA TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
DOOR PANEL DETAILS

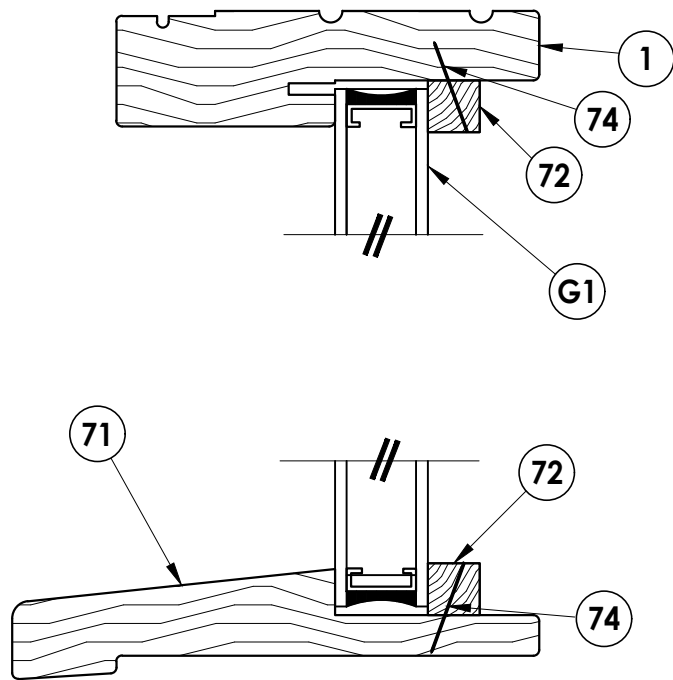
| NO. | DATE    | REVISIONS                    |
|-----|---------|------------------------------|
| 6   | 7/03/26 | UPDATE TO 9TH ED. (2026) FBC |
| 5   | 7/19/23 | UPDATE TO 8TH ED. (2023) FBC |
| 4   | 7/21/20 | UPDATE TO 7th ED (2020) FBC  |
|     |         | BY                           |

|              |             |
|--------------|-------------|
| DATE:        | 05/26/16    |
| SCALE:       | N.T.S.      |
| DWG. BY:     | JK          |
| CHK. BY:     | LFS         |
| DRAWING NO.: | FL-20461.18 |
| SHEET        | 2 OF 15     |

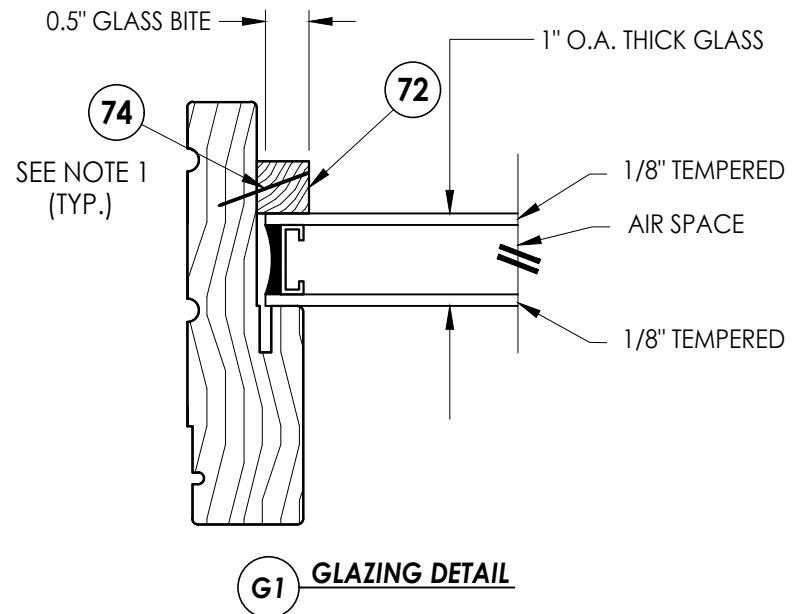
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1  
3 HORIZONTAL CROSS SECTION



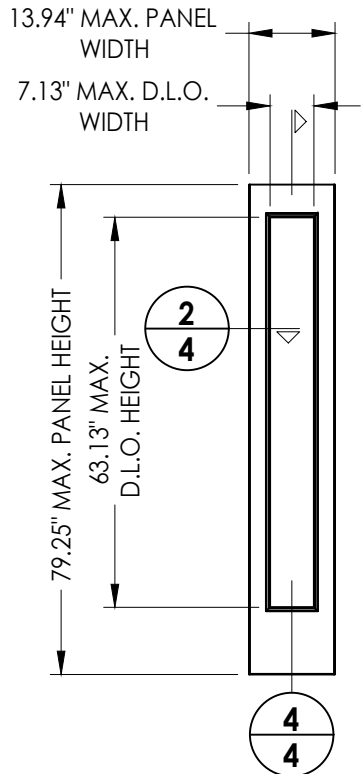
2  
3 VERTICAL CROSS SECTION



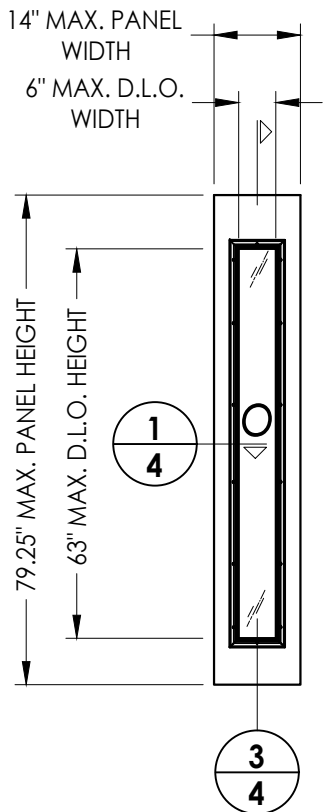
NOTE:  
1. Attach transom molding with item #74, located 4" each end and 6" o.c. thereafter.

|                                                               |  |                                         |     |                                                                                                                         |         |                              |  |
|---------------------------------------------------------------|--|-----------------------------------------|-----|-------------------------------------------------------------------------------------------------------------------------|---------|------------------------------|--|
| 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>TRANSOM<br>DETAILS |     |                                                                                                                         |         |                              |  |
|                                                               |  |                                         | LFS | 6                                                                                                                       | 7/03/26 | UPDATE TO 9TH ED. (2026) FBC |  |
|                                                               |  |                                         | LFS | 5                                                                                                                       | 7/19/23 | UPDATE TO 8TH ED. (2023) FBC |  |
|                                                               |  |                                         | LFS | 4                                                                                                                       | 7/21/20 | UPDATE TO 7th ED (2020) FBC  |  |
|                                                               |  |                                         | BY  | NO.                                                                                                                     | DATE    |                              |  |
|                                                               |  |                                         |     | REVISIONS                                                                                                               |         |                              |  |
| DATE: 05/26/16                                                |  |                                         |     |                                                                                                                         |         |                              |  |
| SCALE: N.T.S.                                                 |  |                                         |     |                                                                                                                         |         |                              |  |
| DWG. BY: JK                                                   |  |                                         |     |                                                                                                                         |         |                              |  |
| CHK. BY: LFS                                                  |  |                                         |     |                                                                                                                         |         |                              |  |
| DRAWING NO.: FL-20461.18                                      |  |                                         |     |                                                                                                                         |         |                              |  |
| SHEET 3 OF 15                                                 |  |                                         |     |                                                                                                                         |         |                              |  |

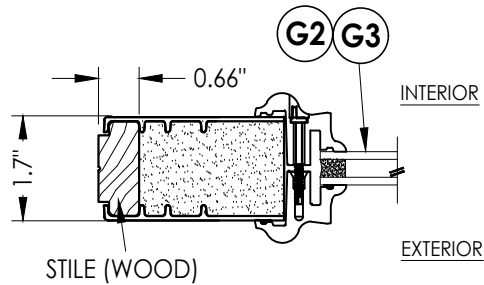
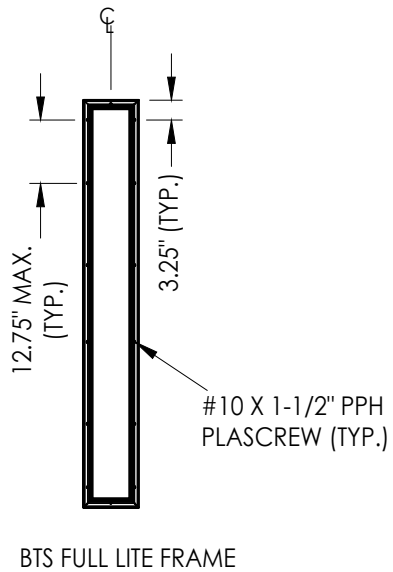
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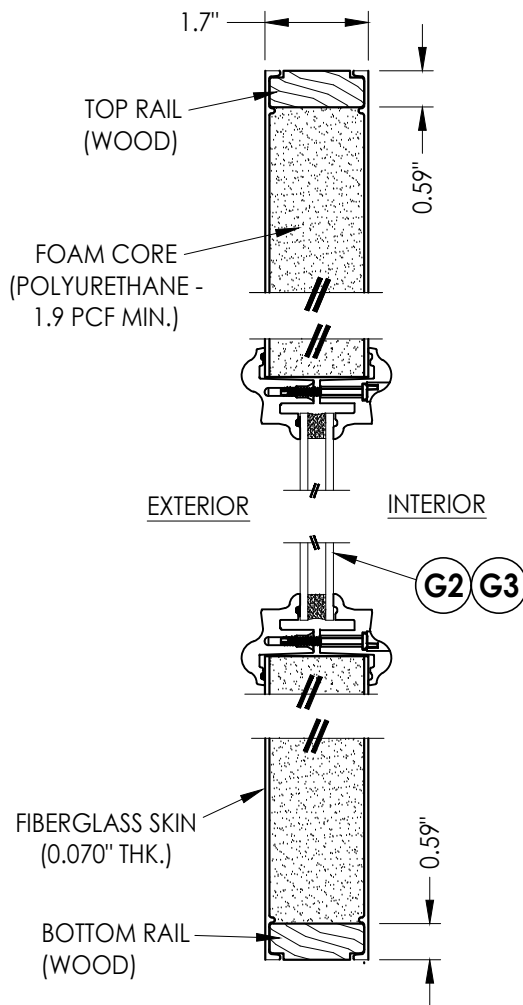
**60** **SIDELITE PANEL**  
Full Lite  
Flush Glazed



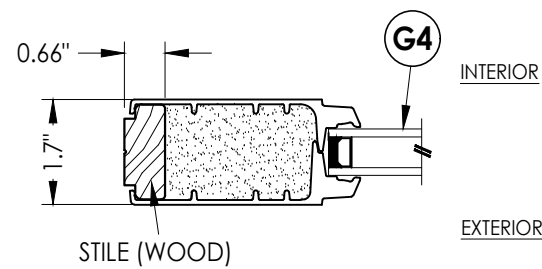
**50** **SIDELITE PANEL**  
Full Lite  
Lip Lite



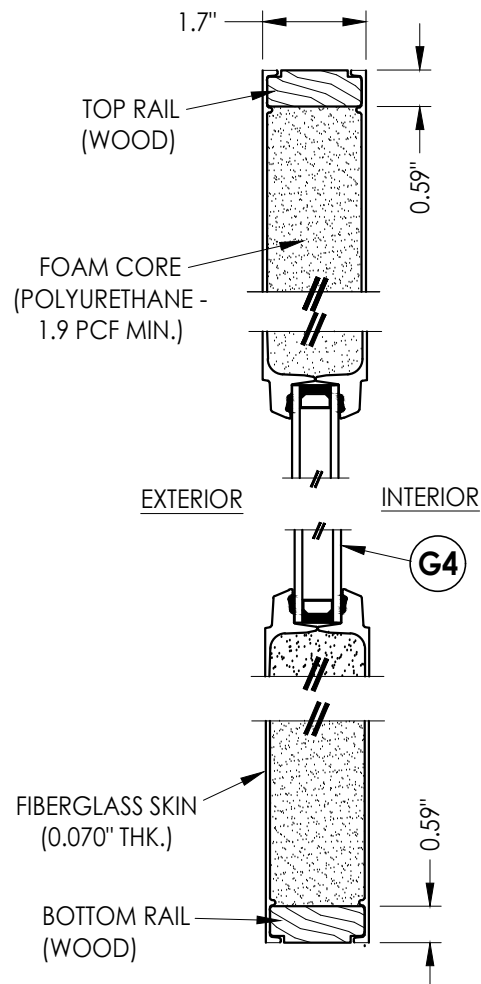
**1** **HORIZONTAL CROSS SECTION**  
**4** Lip Lite Glazing



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



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



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

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PRODUCT: THERMA TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
SIDELITE PANEL DETAILS &  
GLAZING DETAILS

| NO. | DATE    | REVISIONS                        |
|-----|---------|----------------------------------|
| 6   | 7/03/26 | UPDATE TO 9TH ED. (2026) FBC LFS |
| 5   | 7/19/23 | UPDATE TO 8TH ED. (2023) FBC LFS |
| 4   | 7/21/20 | UPDATE TO 7th ED (2020) FBC LFS  |

DATE: 05/26/16

SCALE: N.T.S.

DWG. BY: JK

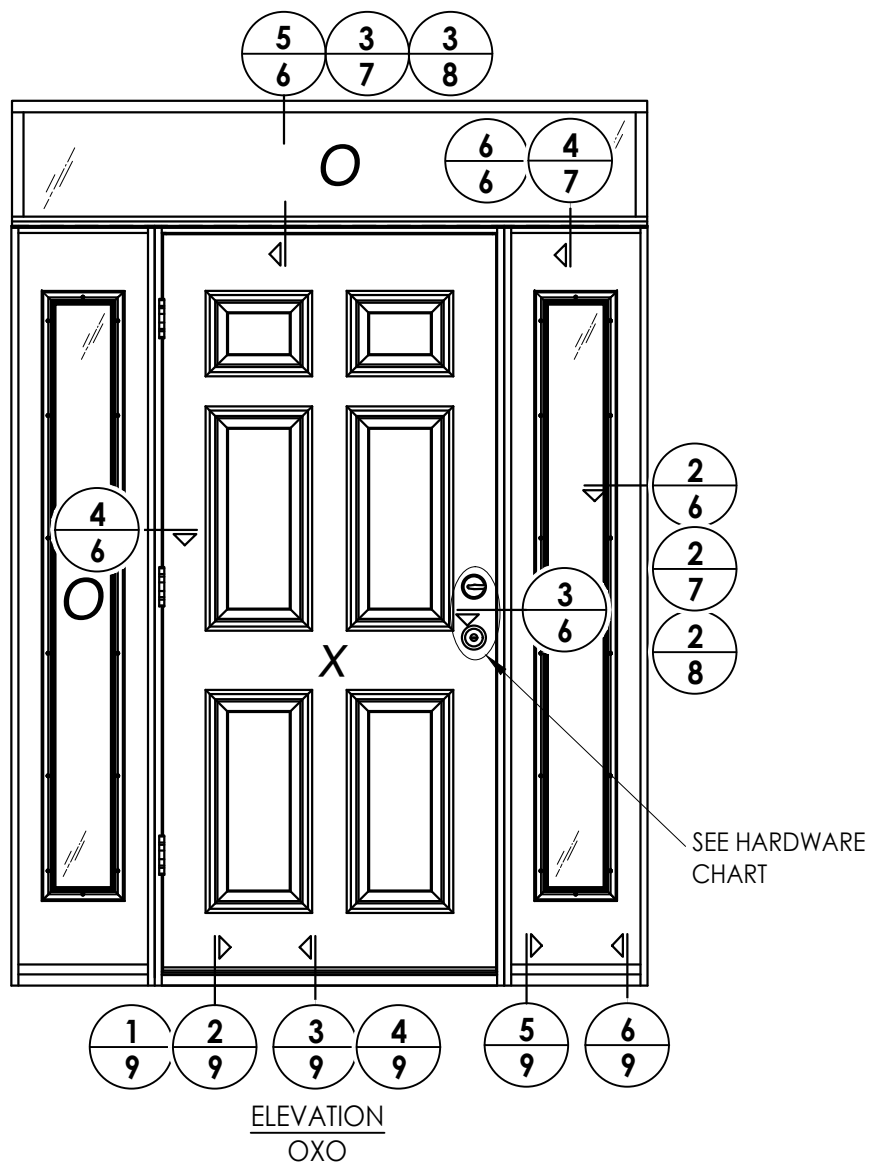
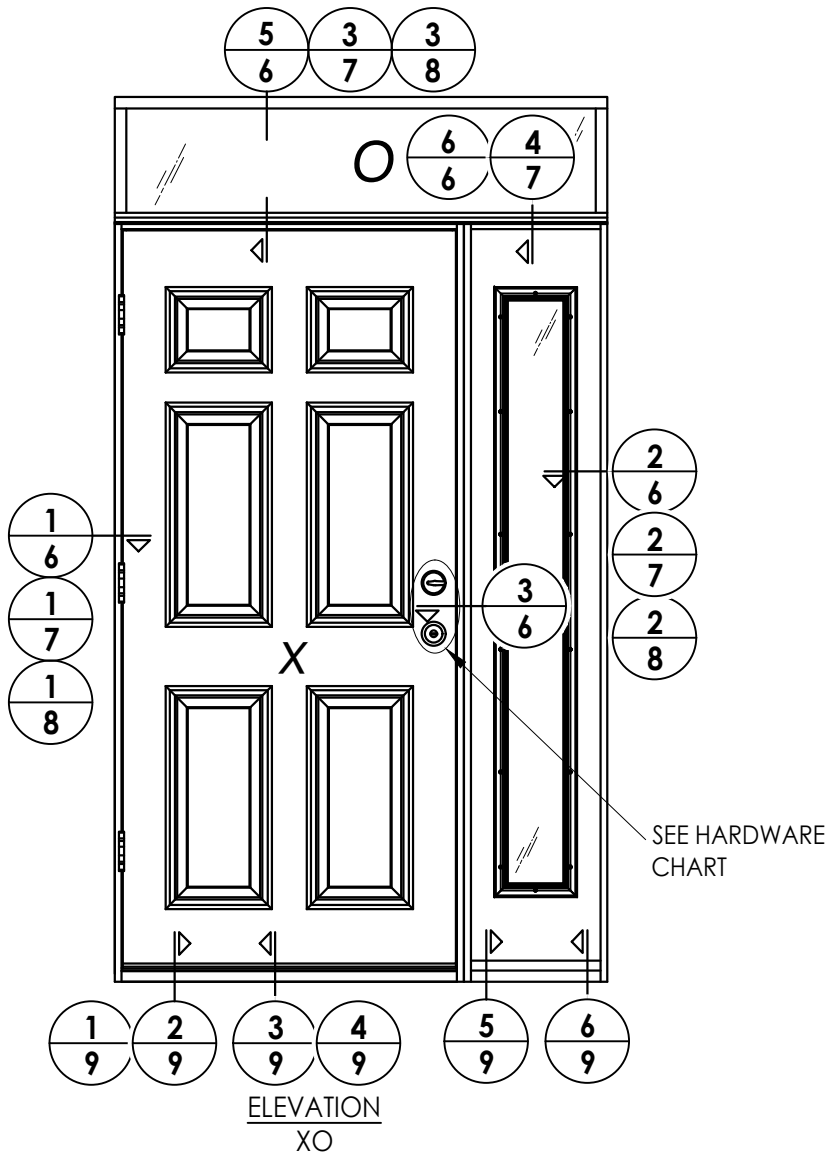
CHK. BY: LFS

DRAWING NO.:

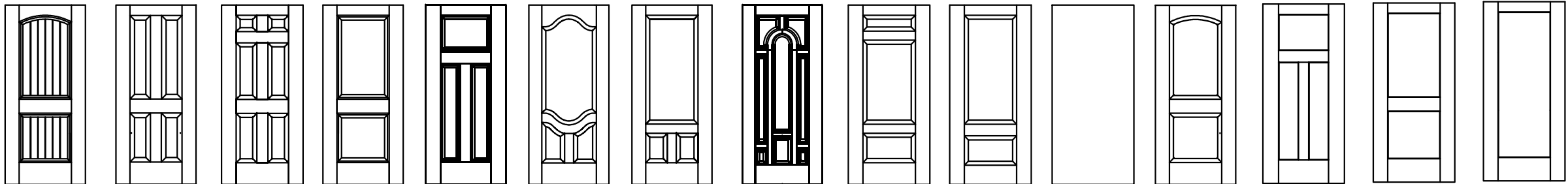
FL-20461.18

SHEET 4 OF 15

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



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

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

Documents Prepared By:  
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FBPE Registry No. 9813

PRODUCT:  
THERMA TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
ELEVATIONS

| REVISIONS |         |     |                              |
|-----------|---------|-----|------------------------------|
| NO.       | DATE    | BY  |                              |
| 6         | 7/03/26 | LFS | UPDATE TO 9TH ED. (2026) FBC |
| 5         | 7/19/23 | LFS | UPDATE TO 8TH ED. (2023) FBC |
| 4         | 7/21/20 | LFS | UPDATE TO 7th ED (2020) FBC  |

DATE: 05/26/16

SCALE: N.T.S.

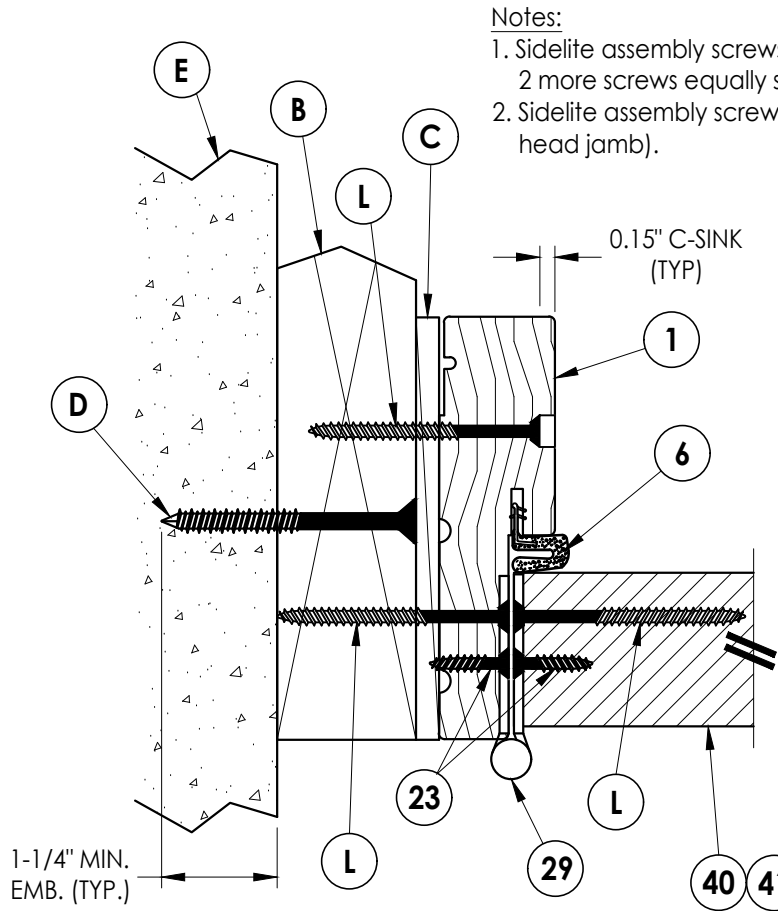
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CHK. BY: LFS

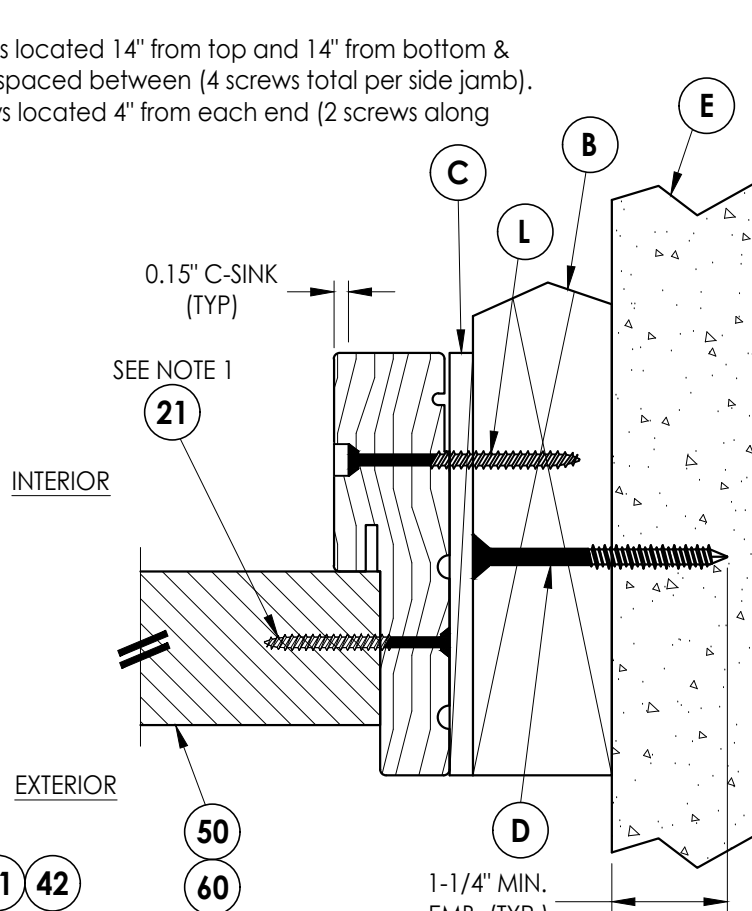
DRAWING NO.:  
FL-20461.18

SHEET 5 OF 15

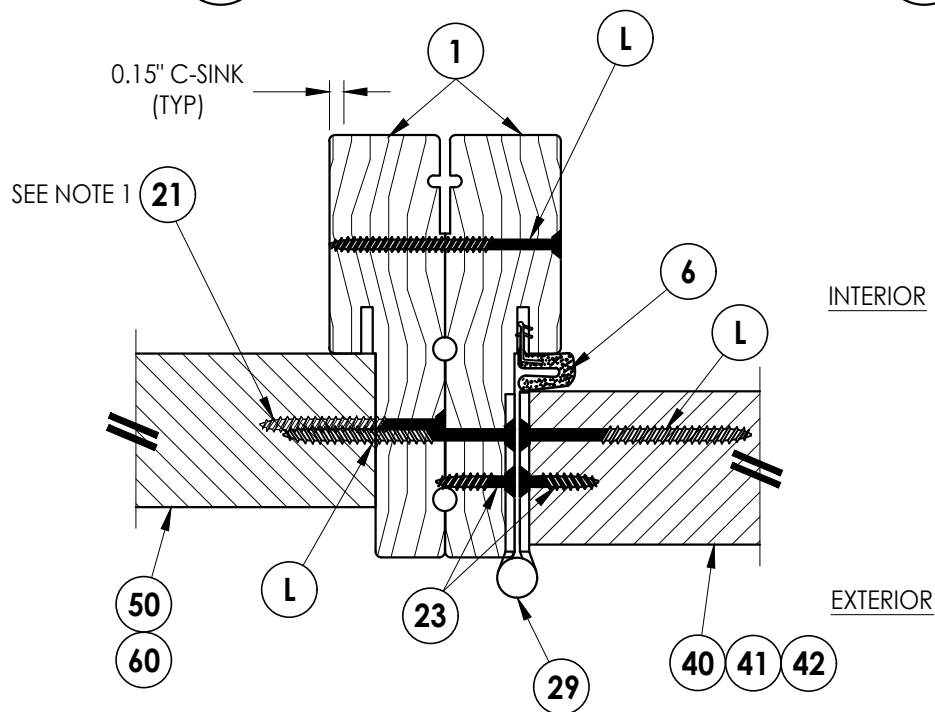
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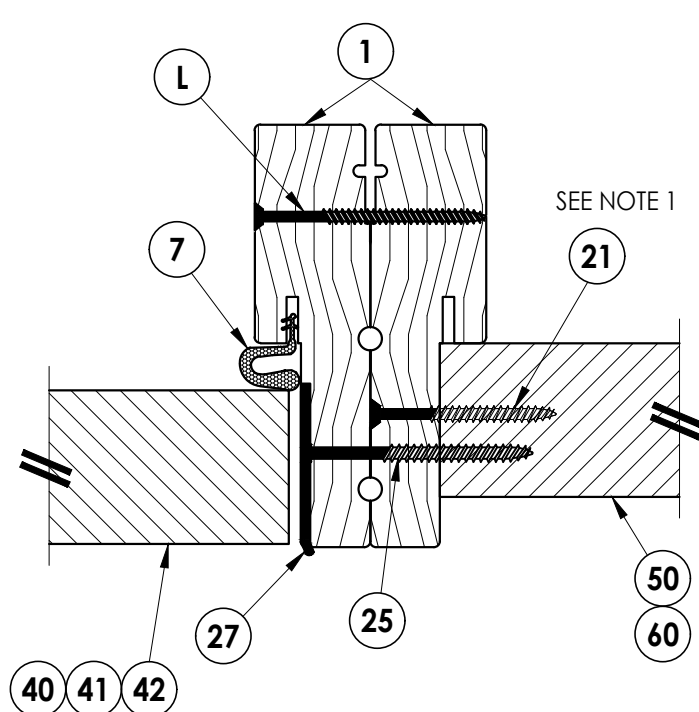
**1**  
**6** **HORIZONTAL CROSS SECTION**  
Outswing shown (Inswing similar)



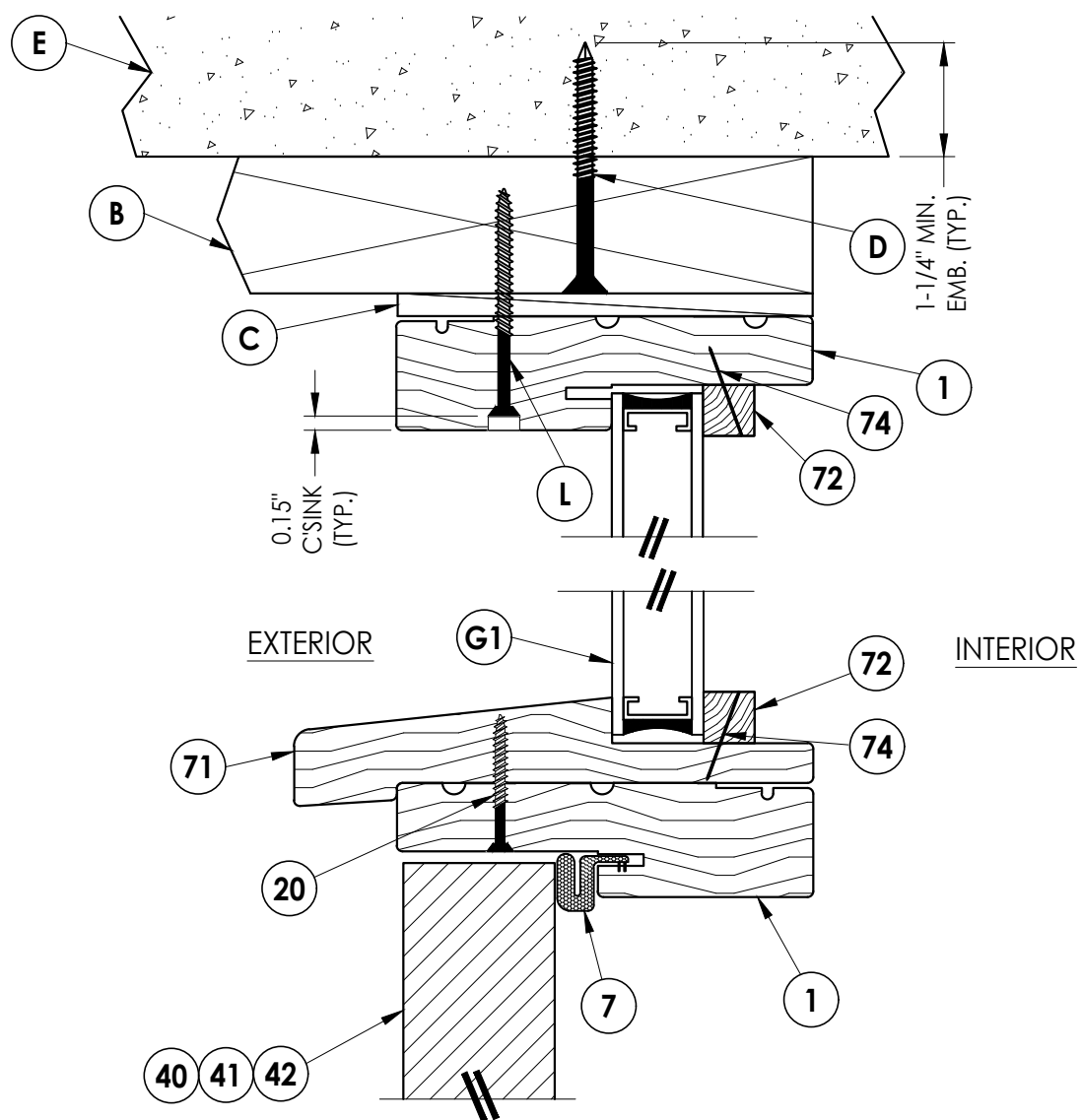
**2**  
**6** **HORIZONTAL CROSS SECTION**  
Outswing shown (Inswing similar)



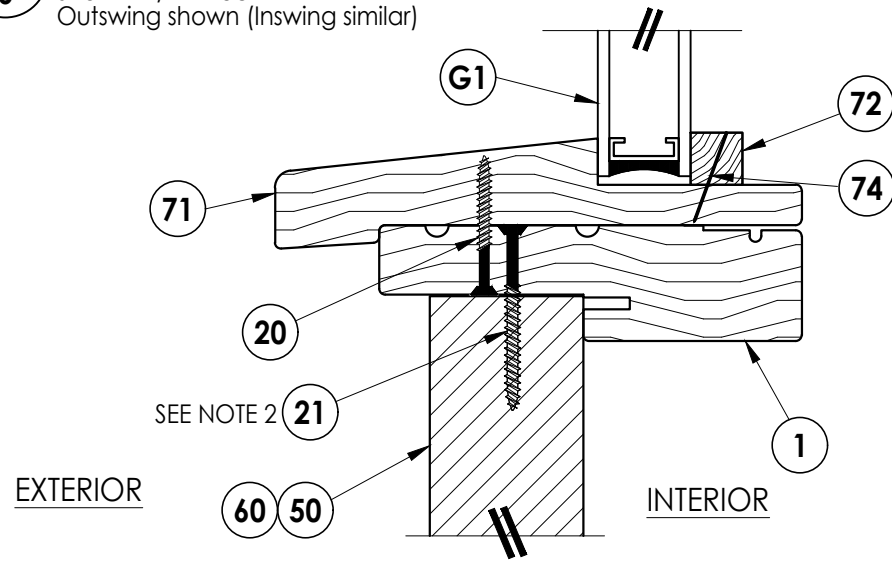
**4**  
**6** **HORIZONTAL CROSS SECTION**  
Outswing shown (Inswing similar)



**3**  
**6** **HORIZONTAL CROSS SECTION**  
Outswing shown (Inswing similar)



**5**  
**6** **VERTICAL CROSS SECTION**  
Shown w/ 2X Buck  
Outswing shown (Inswing similar)



**6**  
**6** **VERTICAL CROSS SECTION**  
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    | BY  | REVISIONS                    |
|-----|---------|-----|------------------------------|
| 6   | 7/03/26 | LFS | UPDATE TO 9TH ED. (2026) FBC |
| 5   | 7/19/23 | LFS | UPDATE TO 8TH ED. (2023) FBC |
| 4   | 7/21/20 | LFS | UPDATE TO 7th ED (2020) FBC  |

DATE: 05/26/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

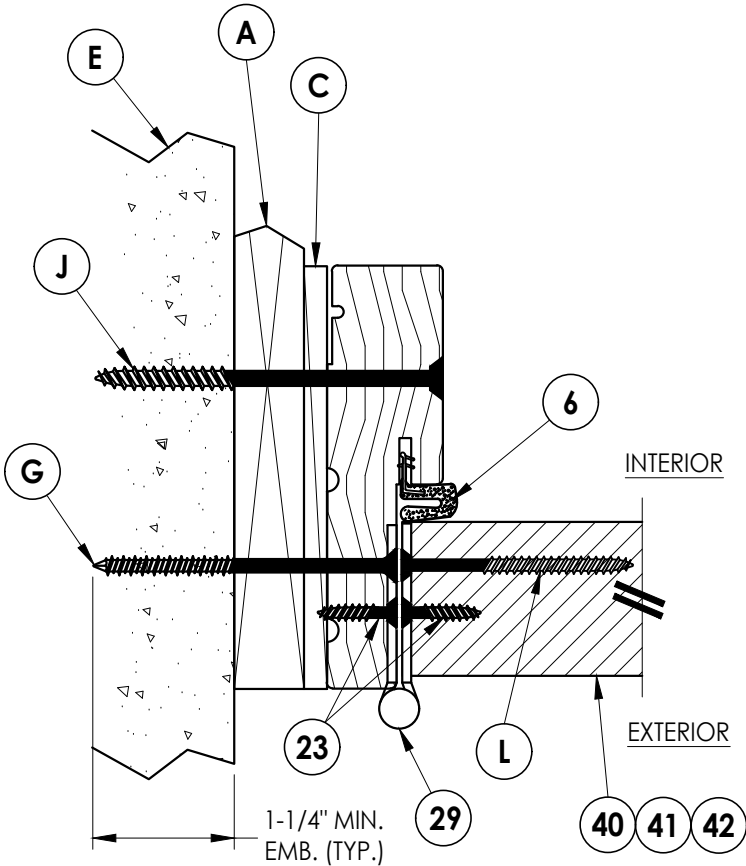
DRAWING NO.: FL-20461.18

SHEET 6 OF 15

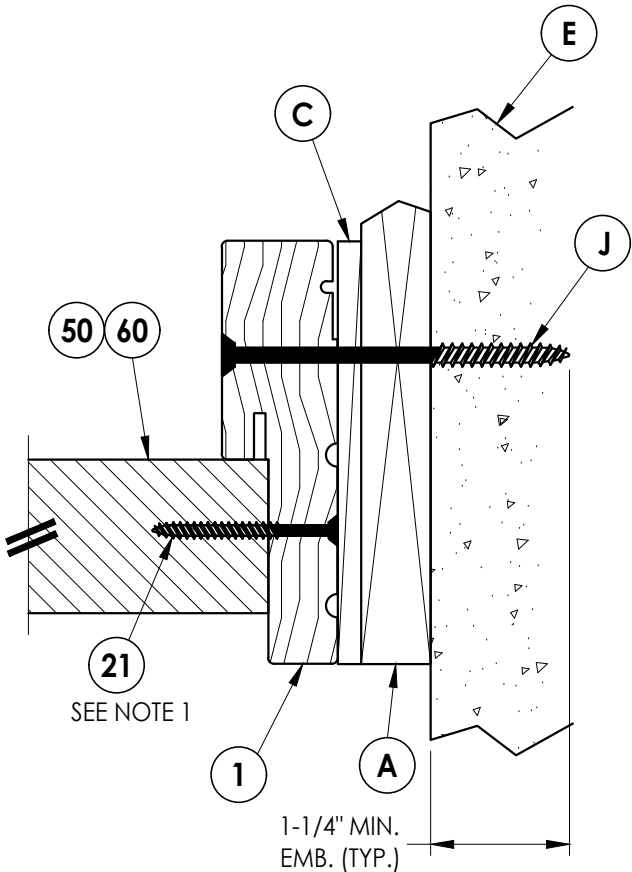
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Notes:

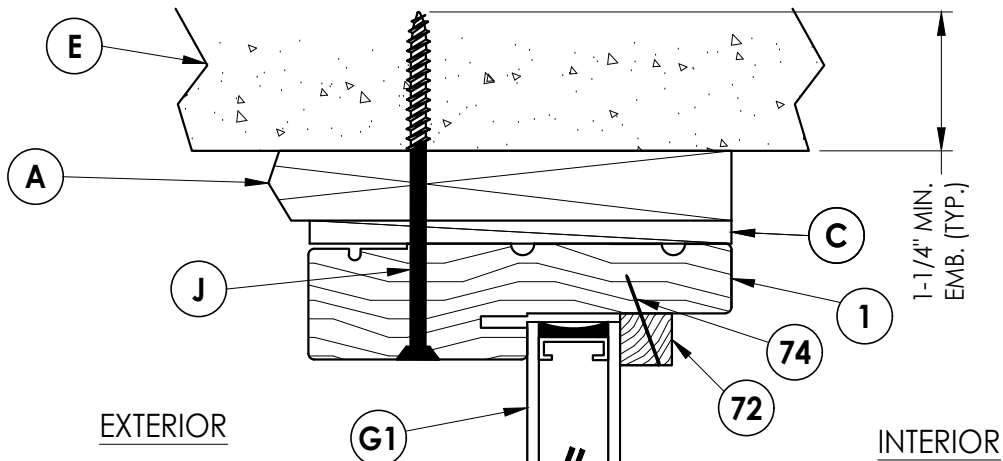
1. Sidelite assembly screws located 14" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).  
2. Sidelite assembly screws located 4" from each end (2 screws along head jamb).



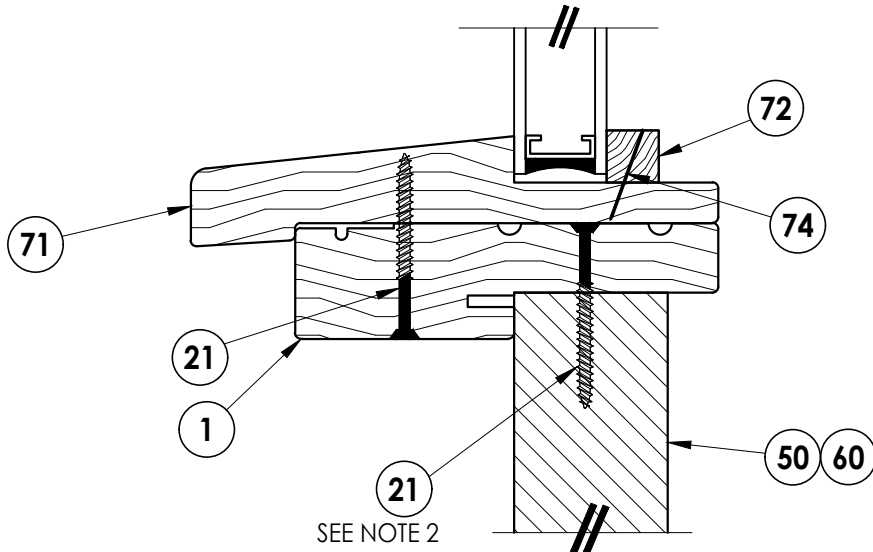
**1**  
**7** **HORIZONTAL CROSS SECTION**  
Shown w/ 1X sub-buck  
Outswing shown (Inswing similar)



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



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



**4**  
**7** **VERTICAL CROSS SECTION**  
Inswing shown (Outswing similar)

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

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FBPE Registry No. 9813

PRODUCT:  
THERMA TRU  
FIBERGLASS DOOR

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

| NO. | DATE    | REVISIONS                        |
|-----|---------|----------------------------------|
| 6   | 7/03/26 | UPDATE TO 9TH ED. (2026) FBC LFS |
| 5   | 7/19/23 | UPDATE TO 8TH ED. (2023) FBC LFS |
| 4   | 7/21/20 | UPDATE TO 7th ED (2020) FBC LFS  |

DATE: 05/26/16  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.:  
FL-20461.18  
SHEET 7 OF 15

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



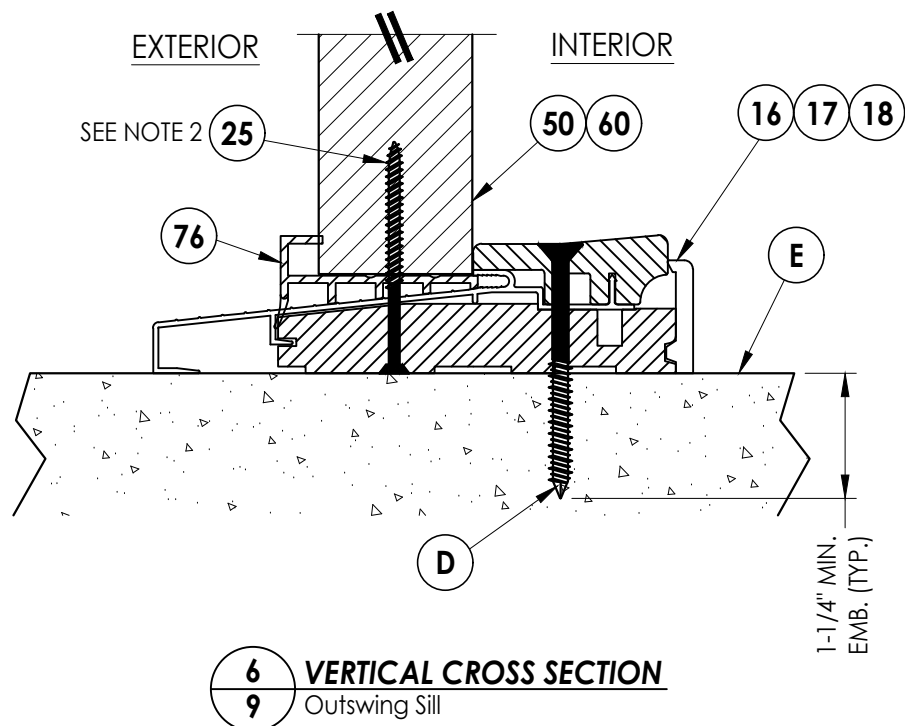
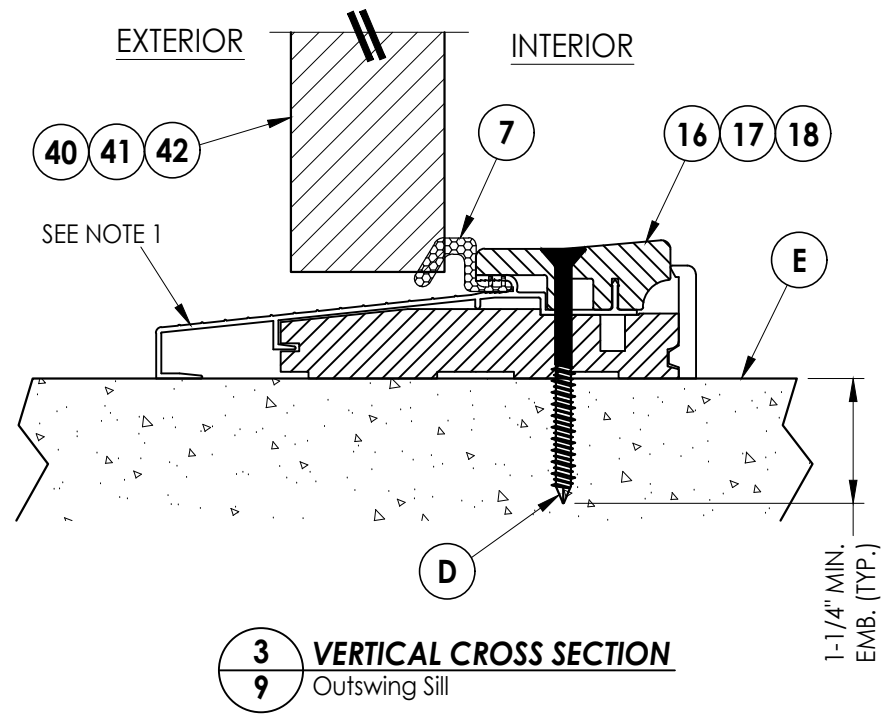
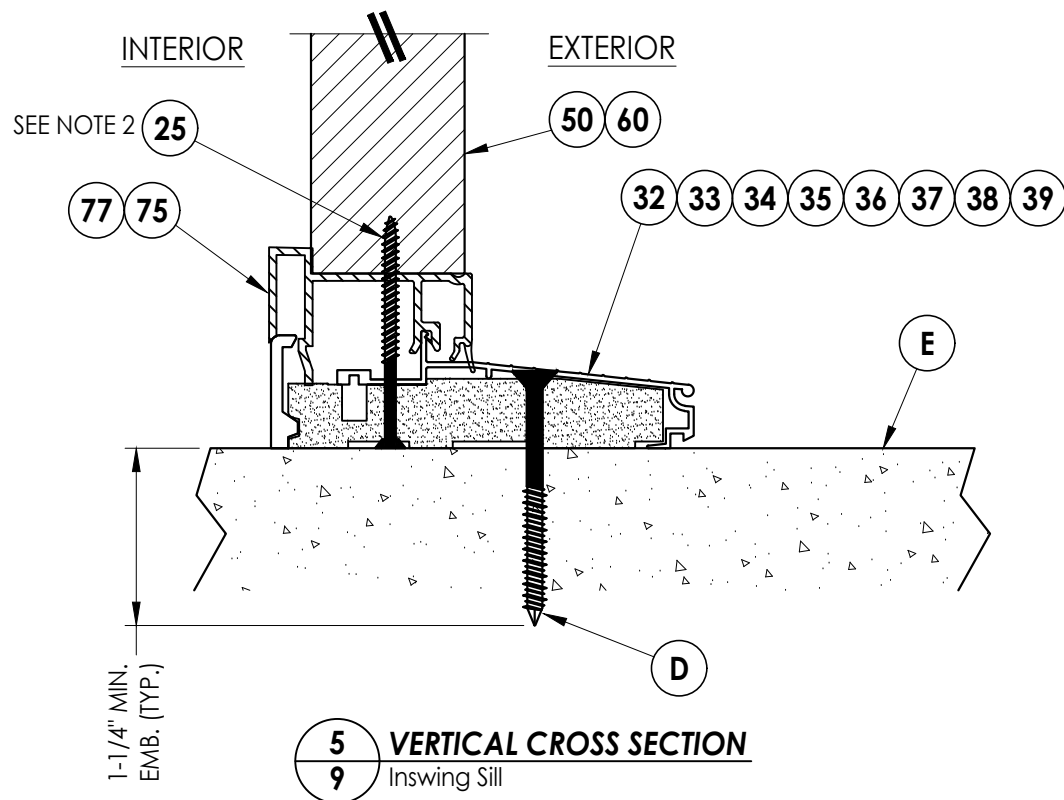
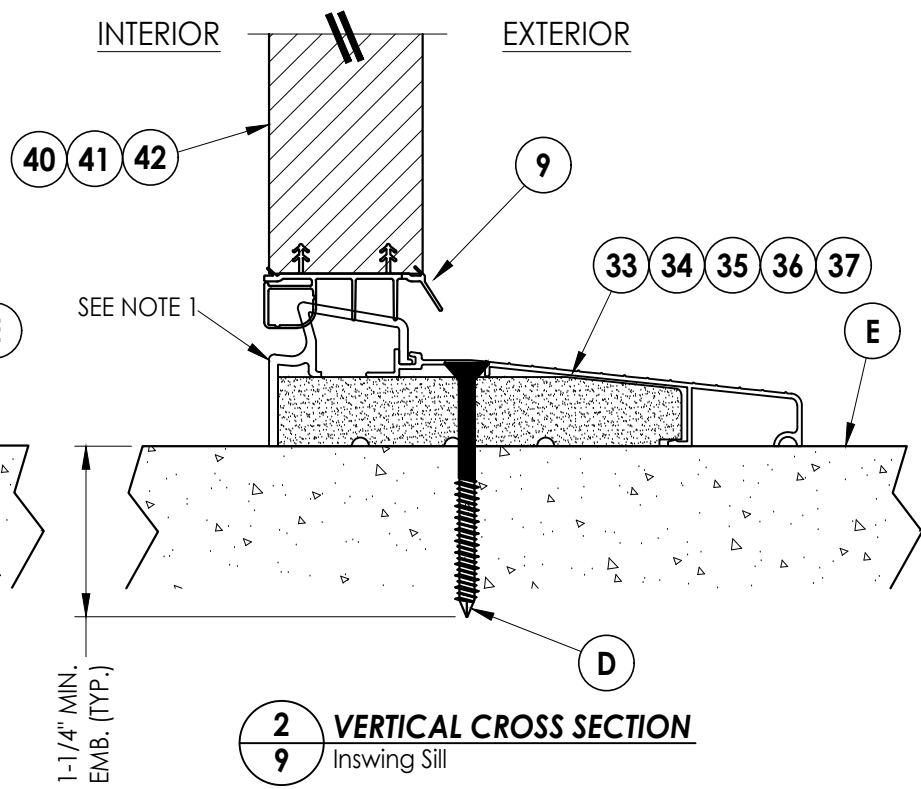
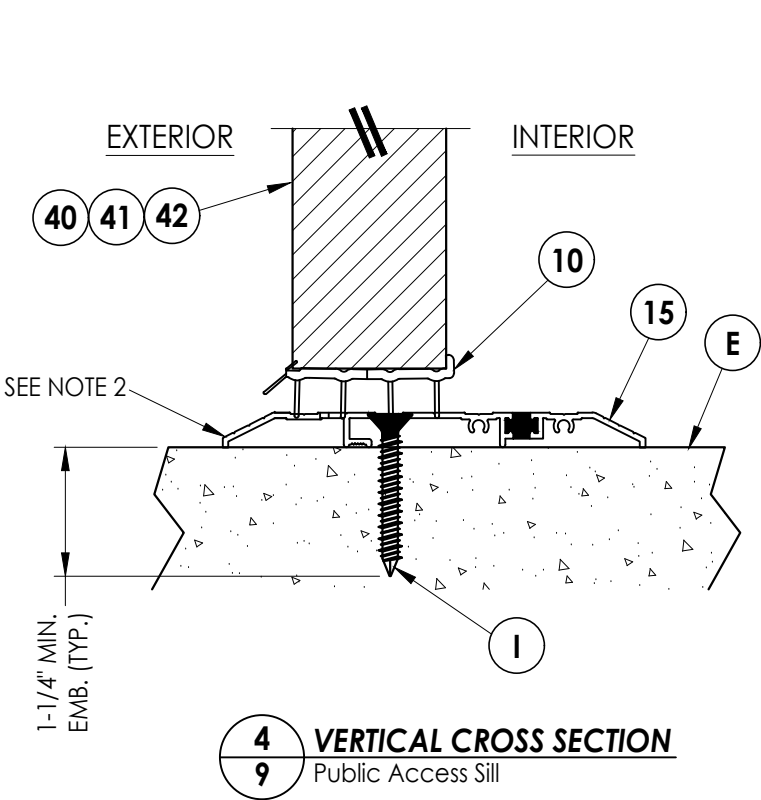
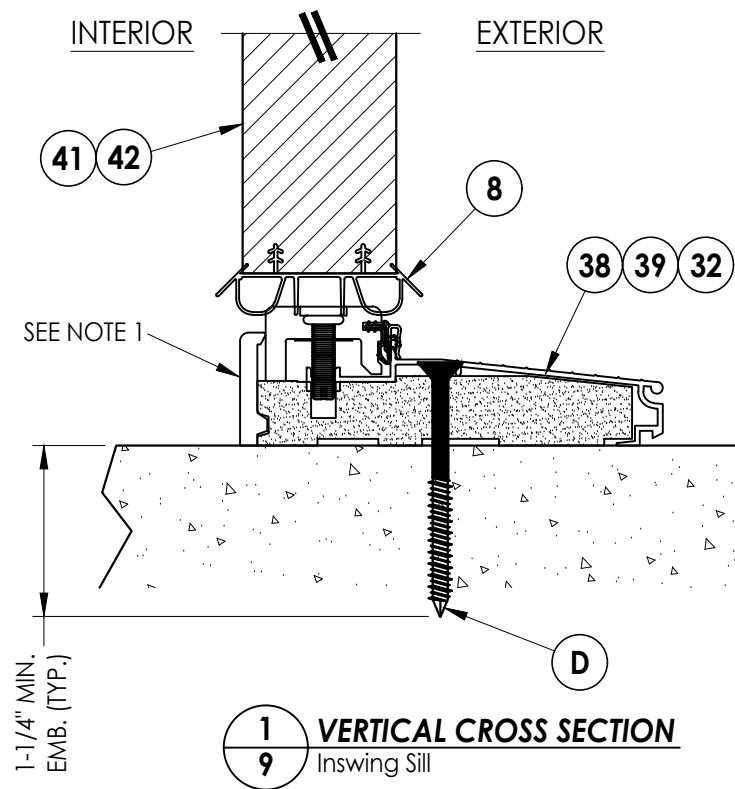
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|--------------|-----------------------|
| DATE:        | 05/26/16              |
| SCALE:       | N.T.S.                |
| DWG. BY:     | JK                    |
| CHK. BY:     | LFS                   |
| DRAWING NO.: | FL-20461.18           |
| SHEET        | <u>8</u> OF <u>15</u> |

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|                                                              |                                                                                                         |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <p><u>PRODUCT:</u></p> <p>THERMA TRU<br/>FIBERGLASS DOOR</p> | <p><u>PART OR ASSEMBLY:</u></p> <p>HORIZONTAL &amp; VERTICAL CROSS<br/>SECTIONS (DIRECT TO MASONRY)</p> |
|--------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|

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- 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" pfh screws at each end.  
Sill Item #'s 16 & 33 are attached to jambs w/ (2) #8 X 2-1/2" pfh 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).

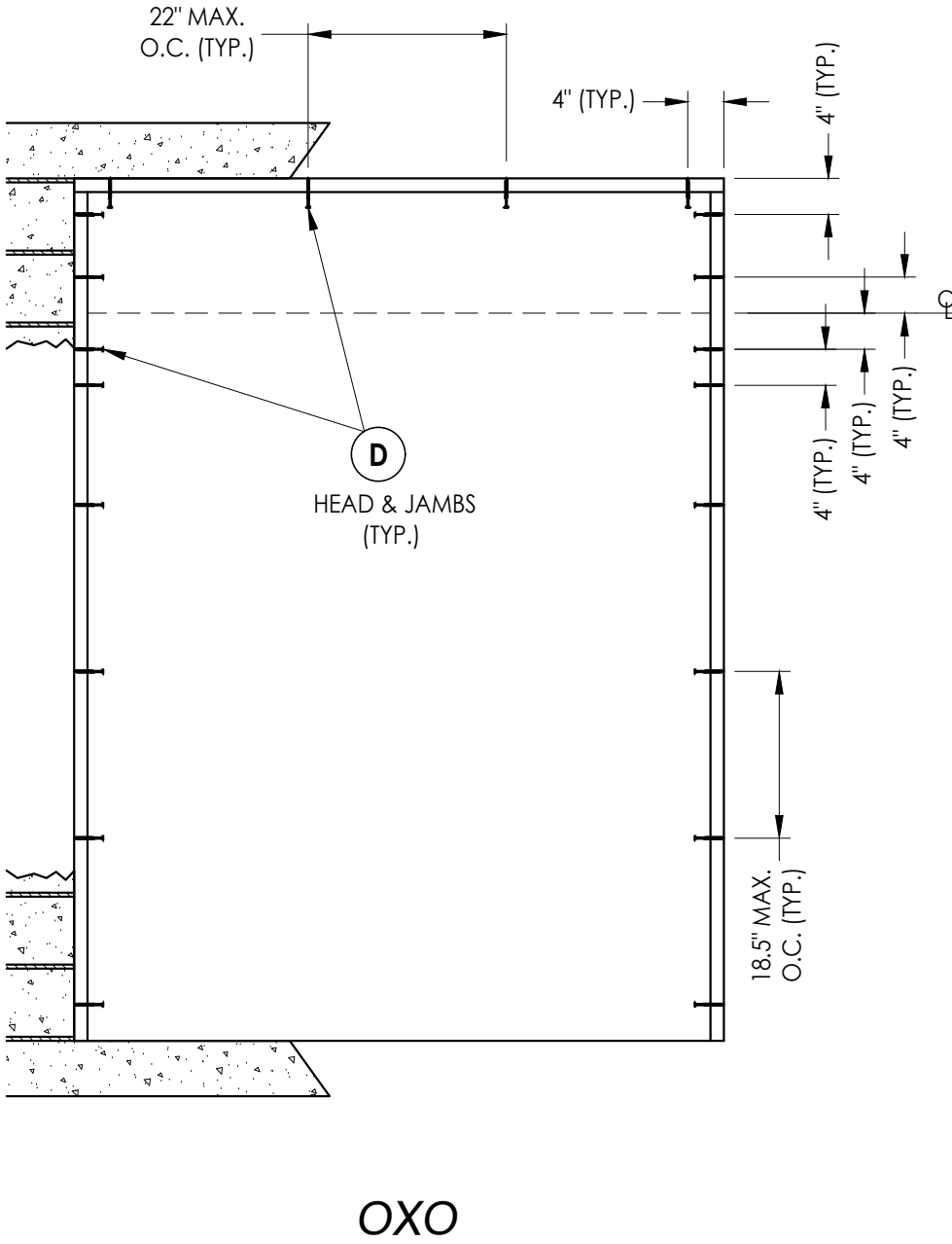
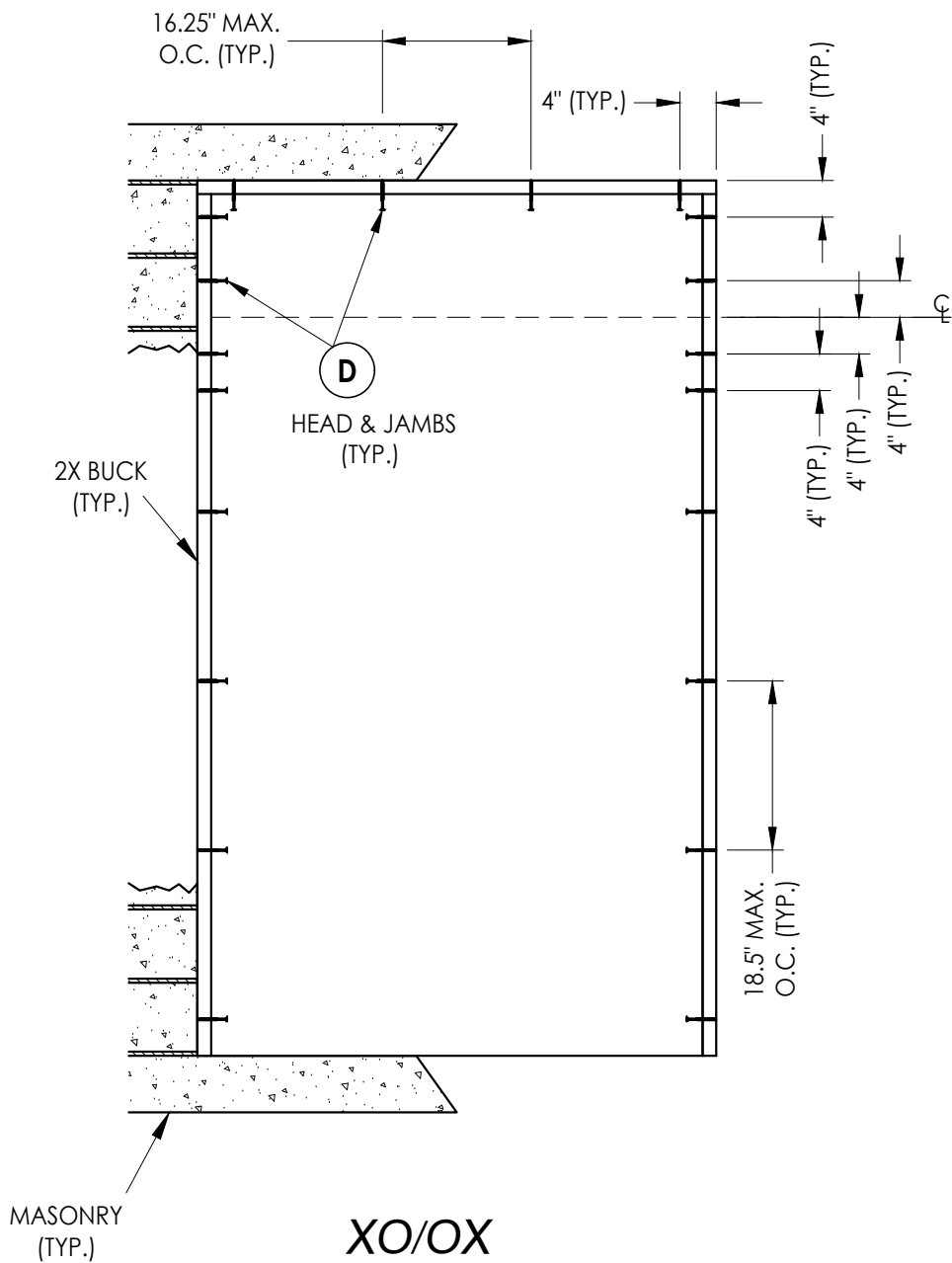


Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

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

| PRODUCT:                 |         | THERMA TRU<br>FIBERGLASS DOOR           |    |
|--------------------------|---------|-----------------------------------------|----|
| PART OR ASSEMBLY:        |         | VERTICAL CROSS<br>SECTIONS (THRESHOLDS) |    |
|                          |         | LFS                                     | BY |
|                          |         | LFS                                     |    |
|                          |         | LFS                                     |    |
| REVISIONS                |         |                                         |    |
| NO.                      | DATE    |                                         |    |
| 6                        | 7/03/26 | UPDATE TO 9TH ED. (2026) FBC            |    |
| 5                        | 7/19/23 | UPDATE TO 8TH ED. (2023) FBC            |    |
| 4                        | 7/21/20 | UPDATE TO 7th ED (2020) FBC             |    |
| DATE: 05/26/16           |         |                                         |    |
| SCALE: N.T.S.            |         |                                         |    |
| DWG. BY: JK              |         |                                         |    |
| CHK. BY: LFS             |         |                                         |    |
| DRAWING NO.: FL-20461.18 |         |                                         |    |
| SHEET 9 OF 15            |         |                                         |    |

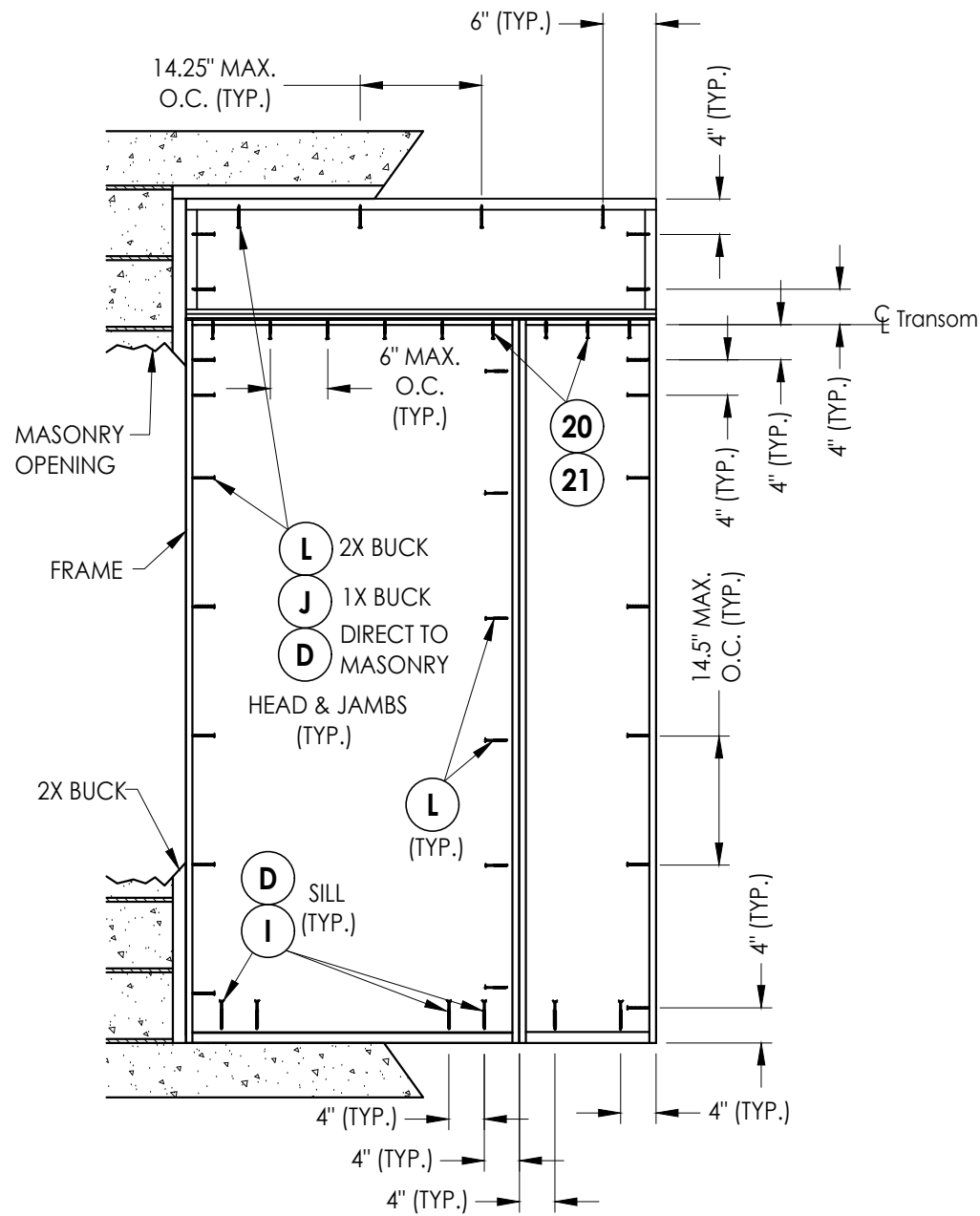
Z:\2023 FBC Drawings\Therma-Tru\FL-20461 R10\FL-20461.17-18.dwg



**2X BUCK ANCHORING**

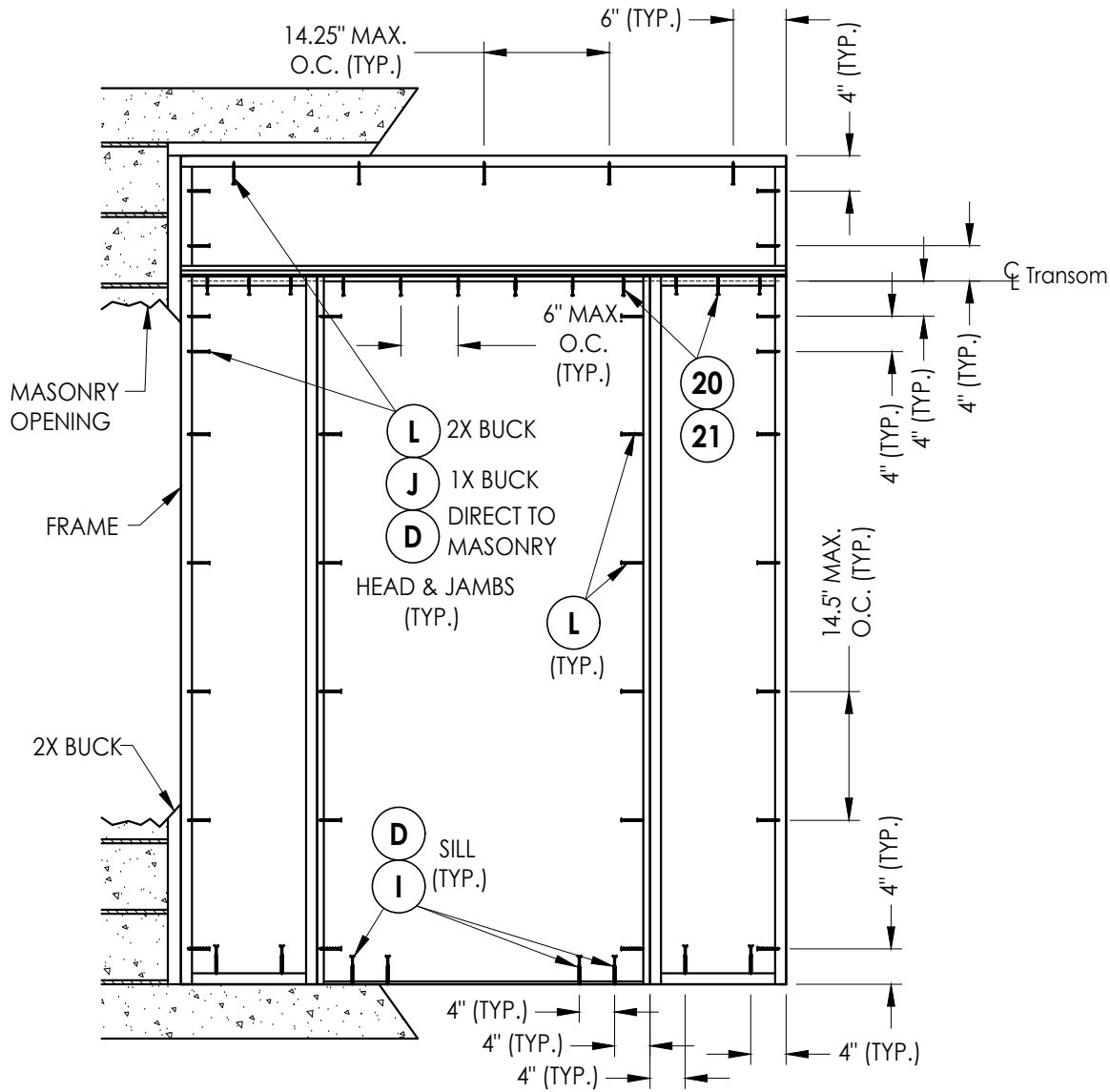
|                                                               |         |                               |     |                                                                                                                    |  |  |  |
|---------------------------------------------------------------|---------|-------------------------------|-----|--------------------------------------------------------------------------------------------------------------------|--|--|--|
| 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 No. 9813 |  |  |  |
| PRODUCT:                                                      |         | THERMA TRU<br>FIBERGLASS DOOR |     | PART OR ASSEMBLY:<br>BUCK ANCHORING                                                                                |  |  |  |
|                                                               |         |                               |     |                                                                                                                    |  |  |  |
|                                                               |         |                               |     |                                                                                                                    |  |  |  |
| 6                                                             | 7/03/26 | UPDATE TO 9TH ED. (2026)      | FBC | LFS                                                                                                                |  |  |  |
| 5                                                             | 7/19/23 | UPDATE TO 8TH ED. (2023)      | FBC | LFS                                                                                                                |  |  |  |
| 4                                                             | 7/21/20 | UPDATE TO 7th ED (2020)       | FBC | LFS                                                                                                                |  |  |  |
|                                                               | NO.     | DATE                          |     | BY                                                                                                                 |  |  |  |
|                                                               |         |                               |     | REVISIONS                                                                                                          |  |  |  |
| DATE: 05/26/16                                                |         |                               |     |                                                                                                                    |  |  |  |
| SCALE: N.T.S.                                                 |         |                               |     |                                                                                                                    |  |  |  |
| DWG. BY: JK                                                   |         |                               |     |                                                                                                                    |  |  |  |
| CHK. BY: LFS                                                  |         |                               |     |                                                                                                                    |  |  |  |
| DRAWING NO.: FL-20461.18                                      |         |                               |     |                                                                                                                    |  |  |  |
| SHEET 10 OF 15                                                |         |                               |     |                                                                                                                    |  |  |  |

Z:\2023 FBC Drawings\Therma-Tru\FL-20461 R10\FL-20461.17-18.dwg

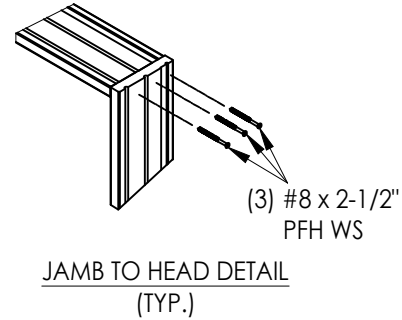


XO/OX

**FRAME ANCHORING**



OXO



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

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

PRODUCT: THERMA TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
FRAME ANCHORING

| REVISIONS |         |                          |         |
|-----------|---------|--------------------------|---------|
| NO.       | DATE    | BY                       |         |
| 6         | 7/03/26 | UPDATE TO 9TH ED. (2026) | FBC LFS |
| 5         | 7/19/23 | UPDATE TO 8TH ED. (2023) | FBC LFS |
| 4         | 7/21/20 | UPDATE TO 7th ED (2020)  | FBC LFS |

DATE: 05/26/16

SCALE: N.T.S.

DWG. BY: JK

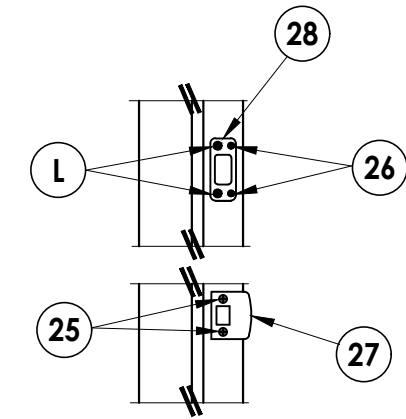
CHK. BY: LFS

DRAWING NO.:

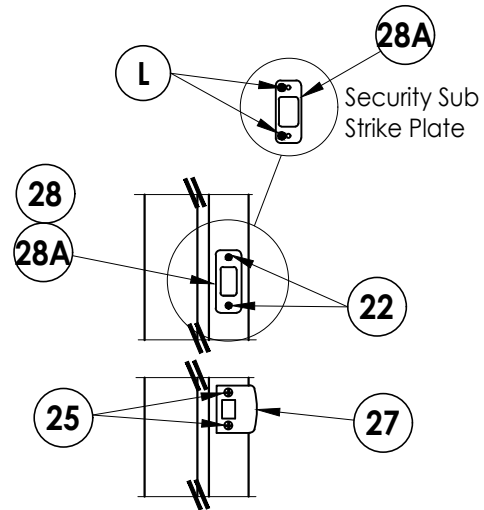
FL-20461.18

SHEET 11 OF 15

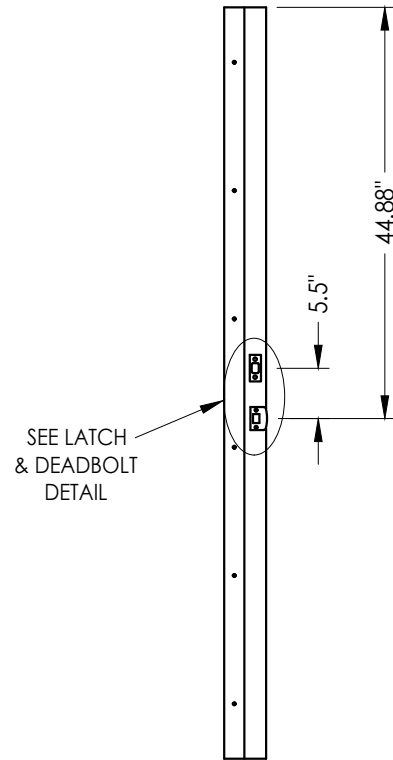
## LATCH & DEADBOLT STRIKE DETAILS



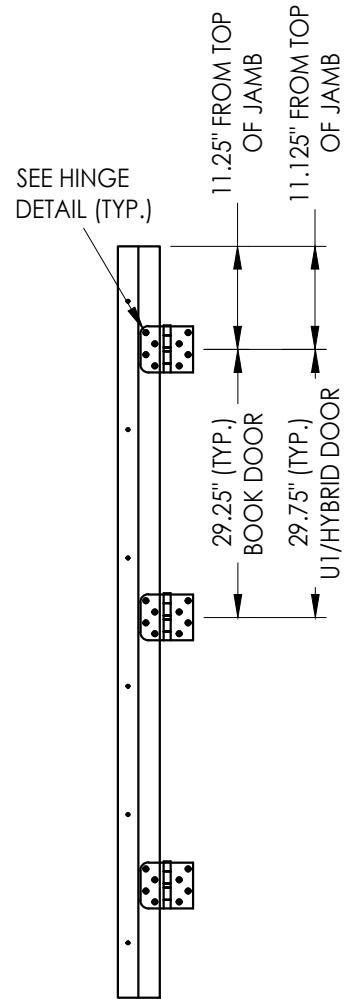
**LATCH & DEADBOLT DETAIL**  
Kwikset



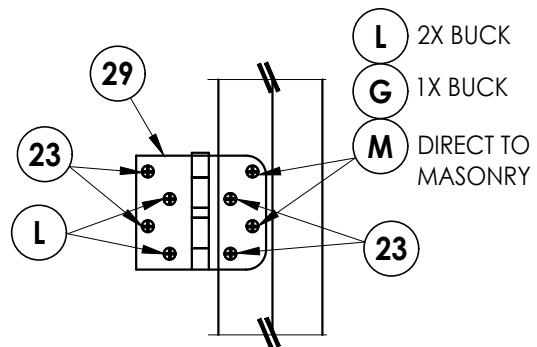
**LATCH & DEADBOLT DETAIL**  
Schlage



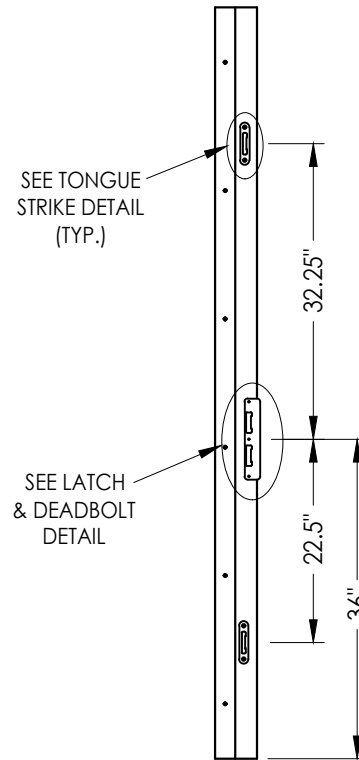
**STRIKE JAMB**  
Latch and Deadbolt



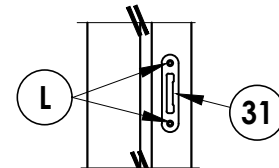
### HINGE JAMB



### HINGE DETAIL

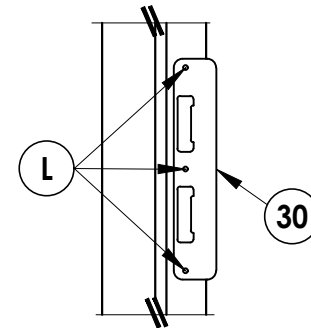


**STRIKE JAMB**  
Multipoint Lock



### TONGUE STRIKE DETAIL

#### Multipoint Lock



**LATCH & DEADBOLT DETAIL**  
Multipoint Lock

## MULTIPOINT LOCK STRIKE DETAILS

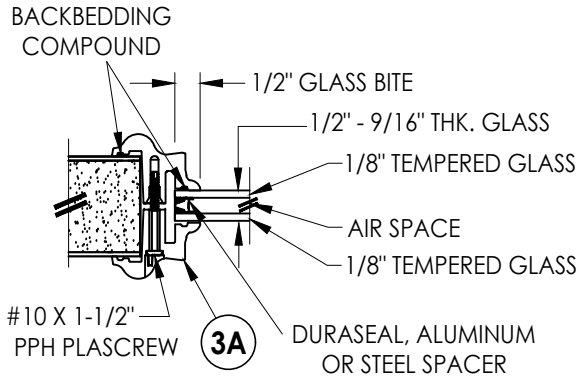
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| 6   | 7/03/26 | UPDATE TO 9TH ED. | (2026) | FBC | LFS       |
| 5   | 7/19/23 | UPDATE TO 8TH ED. | (2023) | FBC | LFS       |
| 4   | 7/21/20 | UPDATE TO 7th ED  | (2020) | FBC | LFS       |
| NO. | DATE    |                   |        |     |           |
|     |         |                   |        |     | REVISIONS |

|              |             |
|--------------|-------------|
| DATE:        | 05/26/16    |
| SCALE:       | N.T.S.      |
| DWG. BY:     | JK          |
| CHK. BY:     | LFS         |
| DRAWING NO.: | FL-20461.18 |
| SHEET        | 12 OF 15    |

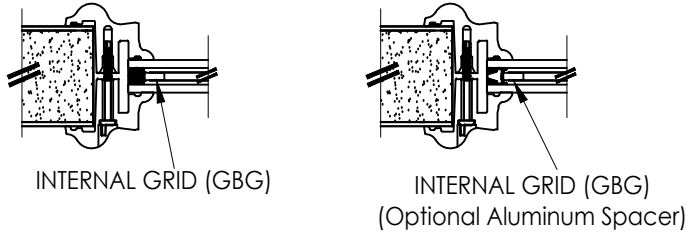
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

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

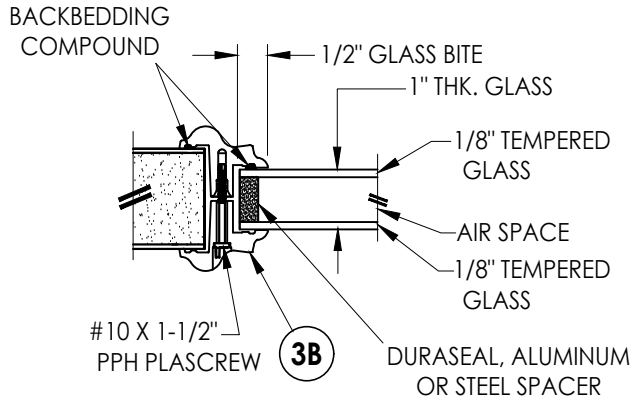
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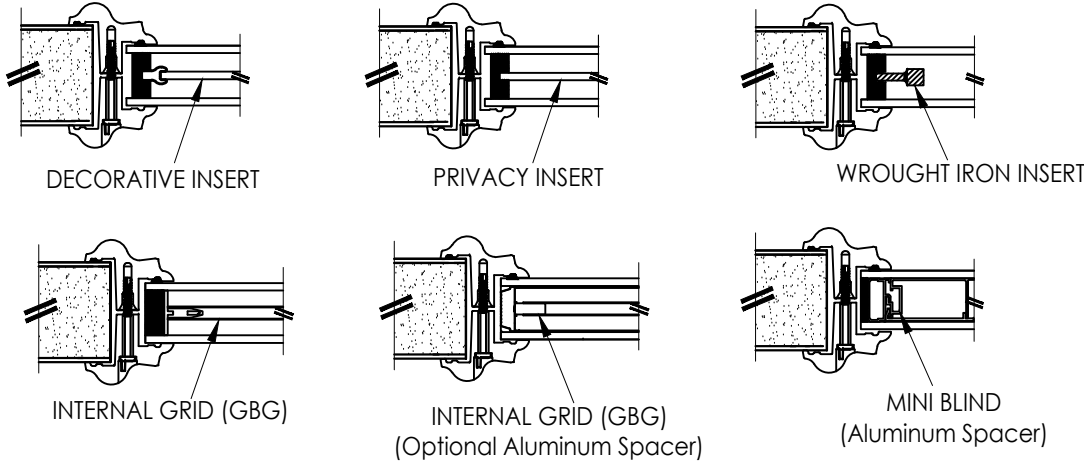
**G2 GLAZING DETAIL**  
BTS Lite Frame  
Door Panels & Sidelites



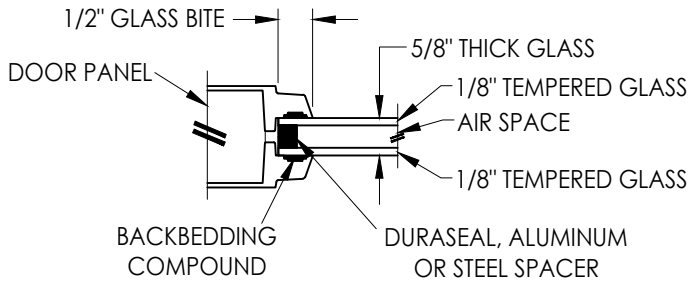
9/16" INSULATED GLASS INSERT OPTIONS



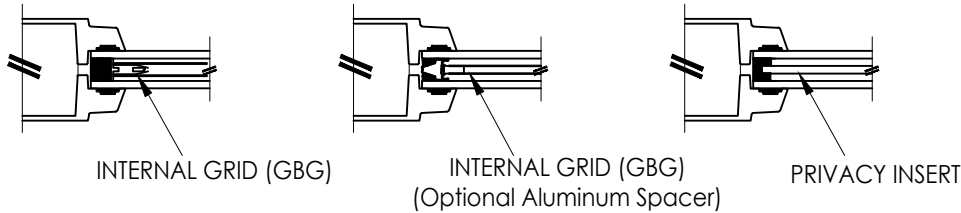
**G3 GLAZING DETAIL**  
BTS Lite Frame  
Door Panels & Sidelites



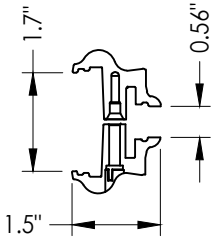
1" INSULATED GLASS INSERT OPTIONS



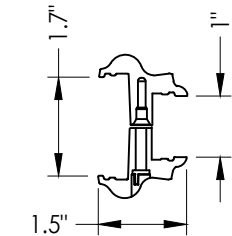
**G4 GLAZING DETAIL**  
Flush Glazing  
Door Panels



5/8" INSULATED GLASS INSERT OPTIONS



**3A BTS LITE FRAME**  
1/2" & 9/16" Glazing



**3B BTS LITE FRAME**  
1" Glazing

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<br>FIBERGLASS DOOR |         |
|-------------------|---------|-------------------------------|---------|
| PART OR ASSEMBLY: |         | GLAZING DETAILS               |         |
| NO.               | DATE    | REVISIONS                     |         |
|                   |         | DATE                          | BY      |
| 6                 | 7/03/26 | UPDATE TO 9TH ED. (2026)      | FBC LFS |
| 5                 | 7/19/23 | UPDATE TO 8TH ED. (2023)      | FBC LFS |
| 4                 | 7/21/20 | UPDATE TO 7th ED (2020)       | FBC LFS |

DATE: 8/10/16

SCALE: N.T.S.

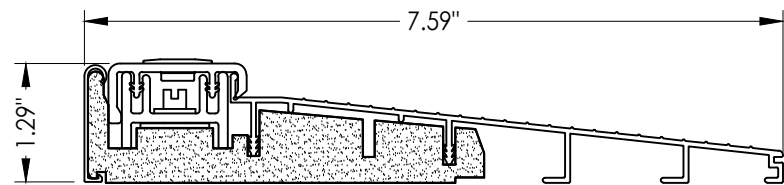
DWG. BY: JK

CHK. BY: LFS

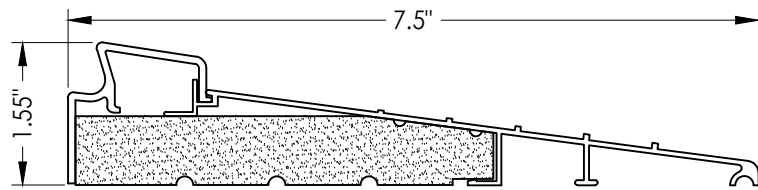
DRAWING NO.:  
FL-20461.18

SHEET 13 OF 15

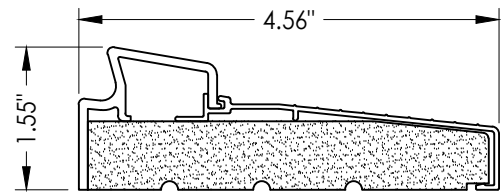
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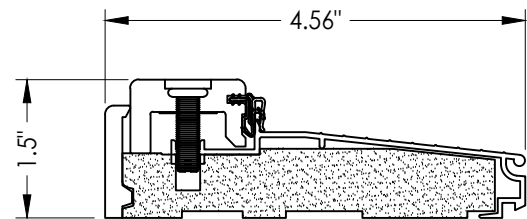
**32 INSWING THRESHOLD**  
Inswing Basic Composite Adjustable Sill 7-1/2"



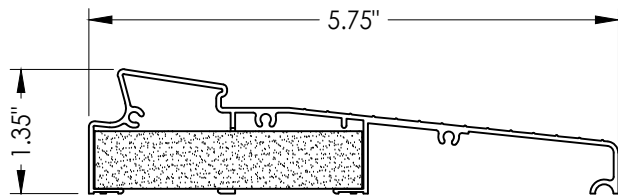
**37 INSWING THRESHOLD**  
Inswing Basic Fixed 7-1/2" Sill



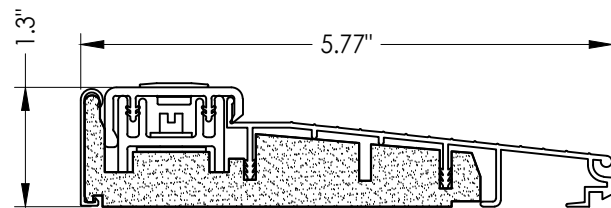
**33 INSWING THRESHOLD**  
Inswing Basic Fixed Sill



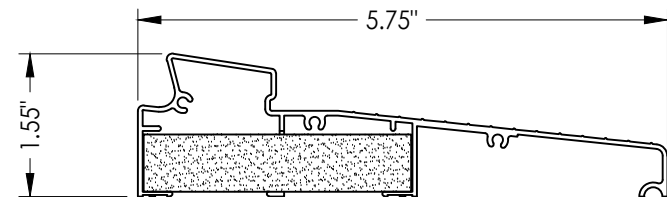
**38 INSWING THRESHOLD**  
Inswing Composite Adjustable Sill



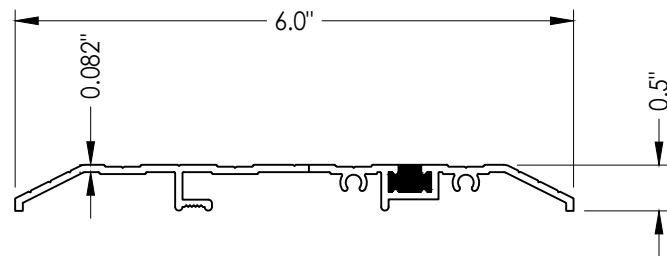
**34 INSWING THRESHOLD**  
Inswing Moderate Climate Sill 1-3/8"



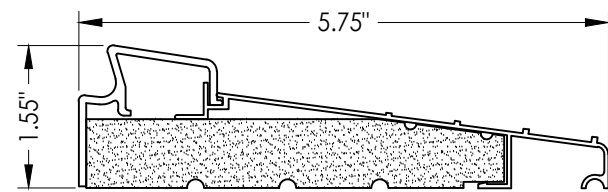
**39 INSWING THRESHOLD**  
Inswing Basic Composite Adjustable Sill



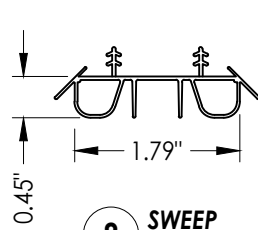
**35 INSWING THRESHOLD**  
Inswing Moderate Climate Sill



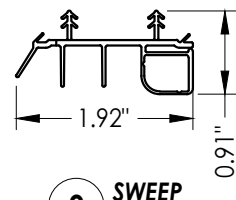
**15 PUBLIC ACCESS THRESHOLD**



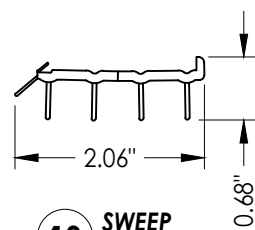
**36 INSWING THRESHOLD**  
Inswing Basic Fixed 5-3/4" Sill



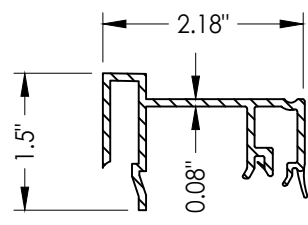
**8 SWEEP**



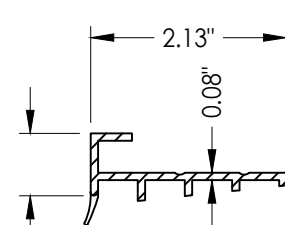
**9 SWEEP**



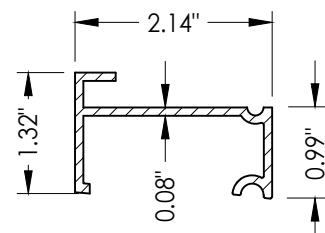
**10 SWEEP**



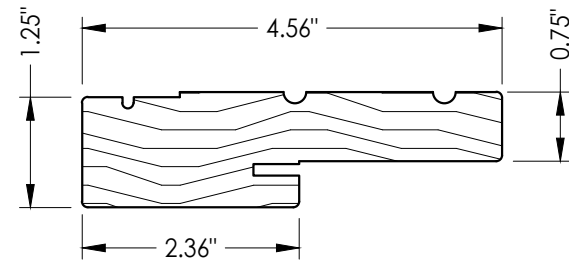
**75 SIDELITE SPACER**  
Inswing



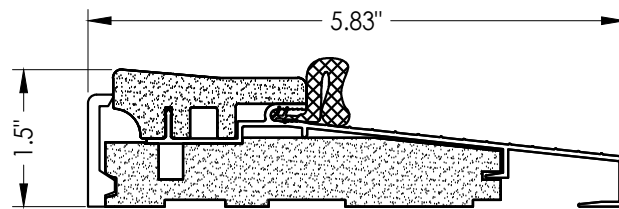
**76 SIDELITE SPACER**  
Outswing



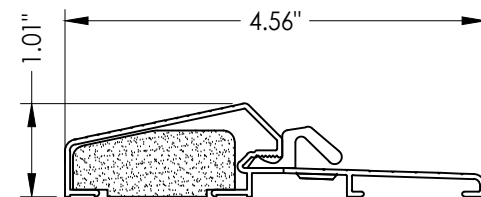
**77 SIDELITE SPACER**  
Inswing  
Moderate Climate Threshold



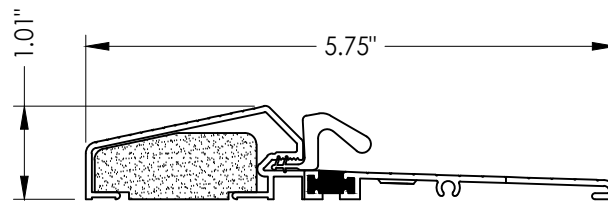
**1 WOOD JAMB**



**16 OUTSWING THRESHOLD**  
Composite Sill



**17 OUTSWING THRESHOLD**  
Composite / Aluminum Sill



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

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

PRODUCT:  
THERMA TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:

COMPONENTS

DATE: 05/26/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

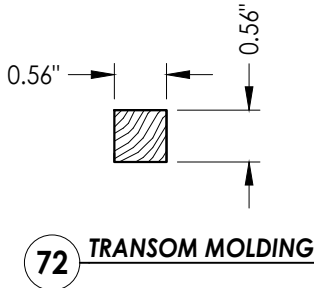
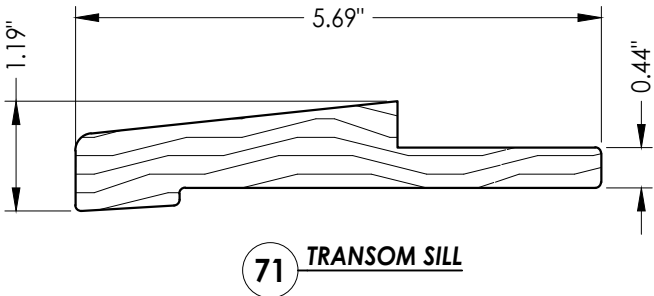
DRAWING NO.:

FL-20461.18

SHEET 14 OF 15

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

| BILL OF MATERIALS |                                                                                                |           | BILL OF MATERIALS      |                                                   |           |
|-------------------|------------------------------------------------------------------------------------------------|-----------|------------------------|---------------------------------------------------|-----------|
| ITEM #            | DESCRIPTION                                                                                    | MATERIAL  | ITEM #                 | DESCRIPTION                                       | MATERIAL  |
| A                 | 1X BUCK (SG >= 0.42)                                                                           | WOOD      | 27                     | LATCH STRIKE PLATE                                | STEEL     |
| B                 | 2X BUCK (SG >= 0.42)                                                                           | WOOD      | 28                     | DEADBOLT STRIKE PLATE                             | STEEL     |
| C                 | 1/4" MAX. SHIM SPACE                                                                           | -         | 28A                    | DEADBOLT SUB STRIKE PLATE                         | STEEL     |
| D                 | 1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL     | 29                     | 4" X 4" HINGE                                     | STEEL     |
| E                 | MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90 | CONCRETE  | 30                     | LATCH & DEADBOLT STRIKE PLATE (TONGUE SYSTEM)     | ALUM/COMP |
|                   |                                                                                                |           | 31                     | MULTIPOINT STRIKE PLATE (TONGUE SYSTEM)           | ALUM/COMP |
| G                 | 3/16" X 3-1/4" ITW CONCRETE SCREW                                                              | STEEL     | 32                     | INSWING THRESHOLD                                 | ALUM/COMP |
| I                 | 1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL     | 33                     | INSWING THRESHOLD                                 | ALUM/COMP |
| J                 | 1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL     | 34                     | INSWING THRESHOLD                                 | ALUM/COMP |
| L                 | #10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)                                             | STEEL     | 35                     | INSWING THRESHOLD                                 | ALUM/COMP |
| M                 | 3/16" X 2-1/4" ITW CONCRETE SCREW                                                              | STEEL     | 36                     | INSWING THRESHOLD                                 | ALUM/COMP |
| 1                 | JAMB (FINGER JOINT PINE )                                                                      | WOOD      | 37                     | INSWING THRESHOLD                                 | ALUM/COMP |
| 6                 | WEATHERSTRIP (MEDIUM REACH)                                                                    | FOAM      | 38                     | INSWING THRESHOLD                                 | ALUM/COMP |
| 7                 | WEATHERSTRIP (LONG REACH)                                                                      | FOAM      | 39                     | INSWING THRESHOLD                                 | ALUM/COMP |
| 8                 | SWEEP                                                                                          | VINYL     | 40                     | DOOR PANEL (BOOK)                                 | -         |
| 9                 | SWEEP (USE w/ MODERATE CLIMATE THRESHOLD)                                                      | VINYL     | 41                     | DOOR PANEL (HYBRID)                               | -         |
| 10                | SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)                                                         | VINYL     | 42                     | DOOR PANEL (U1)                                   | -         |
| 15                | ADA THRESHOLD                                                                                  | ALUM      | 50                     | SIDELITE (FULL LITE)                              | -         |
| 16                | OUTSWING THRESHOLD                                                                             | ALUM/COMP | 60                     | SIDELITE (FLUSH GLAZED)                           | -         |
| 17                | OUTSWING THRESHOLD                                                                             | ALUM/COMP | 70                     | TRANSOM - SEE TRANSOM DETAIL SHEET FOR DETAILS    | -         |
| 18                | OUTSWING THRESHOLD                                                                             | ALUM/COMP | 71                     | TRANSOM SILL                                      | WOOD      |
| 20                | #8 X 1.5" PFH WOOD SCREW                                                                       | STEEL     | 72                     | TRANSOM MOLDING                                   | WOOD      |
| 21                | #8 X 2" PFH WOOD SCREW                                                                         | STEEL     | 74                     | 8d X 1" BRAD NAIL                                 | STEEL     |
| 22                | #8 x 3/4" PFH WOOD SCREW                                                                       | STEEL     | 75                     | SIDELITE SPACER (INSWING)                         | -         |
| 23                | #10 x 3/4" PFH WOOD SCREW                                                                      | STEEL     | 76                     | SIDELITE SPACER (OUTSWING)                        | -         |
| 24                | #10 x 1" PFH WOOD SCREW                                                                        | STEEL     | 77                     | SIDELITE SPACER (INSWING) - MODERATE CLIMATE SILL | -         |
| 25                | #8 x 2-1/2" PFH WOOD SCREW                                                                     | STEEL     | CONCRETE ANCHOR NOTES: |                                                   |           |
| 26                | #8 x 5/8" PFH WOOD SCREW                                                                       | STEEL     |                        |                                                   |           |



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

CONCRETE ANCHOR NOTES:

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.

|                             |  |                                                        |  |                                                                                                                                                                                                           |  |
|-----------------------------|--|--------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| DATE: 05/26/16              |  | PRODUCT: THERMA TRU<br>FIBERGLASS DOOR                 |  | Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409                                                                                                                                             |  |
| SCALE: N.T.S.               |  | PART OR ASSEMBLY:<br>BILL OF MATERIALS<br>& COMPONENTS |  | <br>BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |  |
| DWG. BY: JK                 |  | 6 7/03/26 UPDATE TO 9TH ED. (2026) FBC LFS             |  |                                                                                                                                                                                                           |  |
| CHK. BY: LFS                |  | 5 7/19/23 UPDATE TO 8TH ED. (2023) FBC LFS             |  |                                                                                                                                                                                                           |  |
| DRAWING NO.:<br>FL-20461.18 |  | 4 7/21/20 UPDATE TO 7th ED (2020) FBC LFS              |  |                                                                                                                                                                                                           |  |
| SHEET 15 OF 15              |  | NO. DATE BY                                            |  |                                                                                                                                                                                                           |  |
|                             |  | REVISIONS                                              |  |                                                                                                                                                                                                           |  |