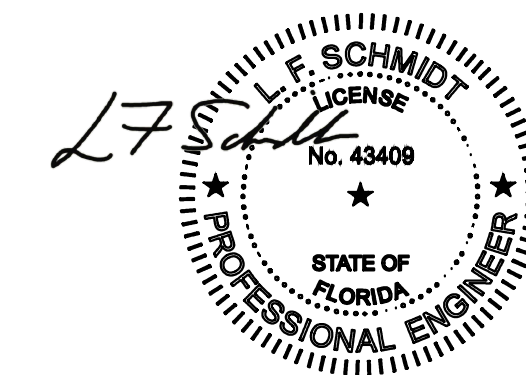




## GENERAL NOTES

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 #19) & Composite Sill (item #16) 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.

| TABLE OF CONTENTS |                                                          |        |                                      |
|-------------------|----------------------------------------------------------|--------|--------------------------------------|
| SHEET#            | DESCRIPTION                                              | SHEET# |                                      |
| 1                 | Typical Elevations, Design Pressures & General Notes     | 7      | Vertical Cross Sections (Thresholds) |
| 2                 | Door Panel Details                                       | 8      | Buck & Frame Anchoring               |
| 3                 | Elevations                                               | 9      | Hardware Details                     |
| 4                 | Horizontal & Vertical Cross Sections (2X Buck)           | 10     | Glazing Details                      |
| 5                 | Horizontal & Vertical Cross Sections (1X Buck)           | 11     | Components                           |
| 6                 | Horizontal & Vertical Cross Sections (Direct to Masonry) | 12     | Components & Bill of Materials       |

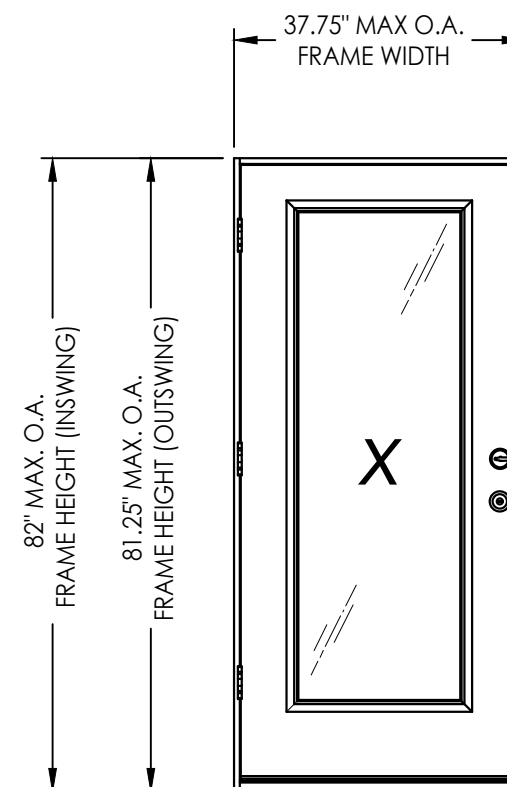


Digitally signed by  
Lyndon F Schmidt  
Date: 2026.08.06  
10:49:47 -04'00'

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<br>HARDWARE | DESIGN PRESSURE (PSF)<br>INSWING |          | DESIGN PRESSURE (PSF)<br>OUTSWING |          |
|---------------|------------------|----------------------------------|----------|-----------------------------------|----------|
|               |                  | POSITIVE                         | NEGATIVE | POSITIVE                          | NEGATIVE |
| X             | Latch & Deadbolt | +55.0                            | -55.0    | +55.0                             | -55.0    |
| X             | Multipoint       | +55.0                            | -60.0    | +55.0                             | -55.0    |

**See Sheet 3 for Hardware Specifications**

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

***R<sup>gW</sup>*** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33487  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

**PRODUCT:** THERMA-TRU  
FIBERGLASS DOOR

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

[illegible]

DATE: 08/02/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

|              |
|--------------|
| DRAWING NO.: |
|--------------|

FL-20470.7

SHEET 1 OF 12

© 2016 R.W. BUILDING CONSULTANTS INC.

A row of ten different door panel designs, each with a small black arrow indicating the direction of the door's swing. The designs vary in style, including simple panels, multi-paned grids, decorative scrollwork, and ornate carvings.

Panel options shown are for illustration and are representative only  
(similar glazed panel configurations are allowed)

PRODUCT: THERMA-TRU  
FIBERGLASS DOOR

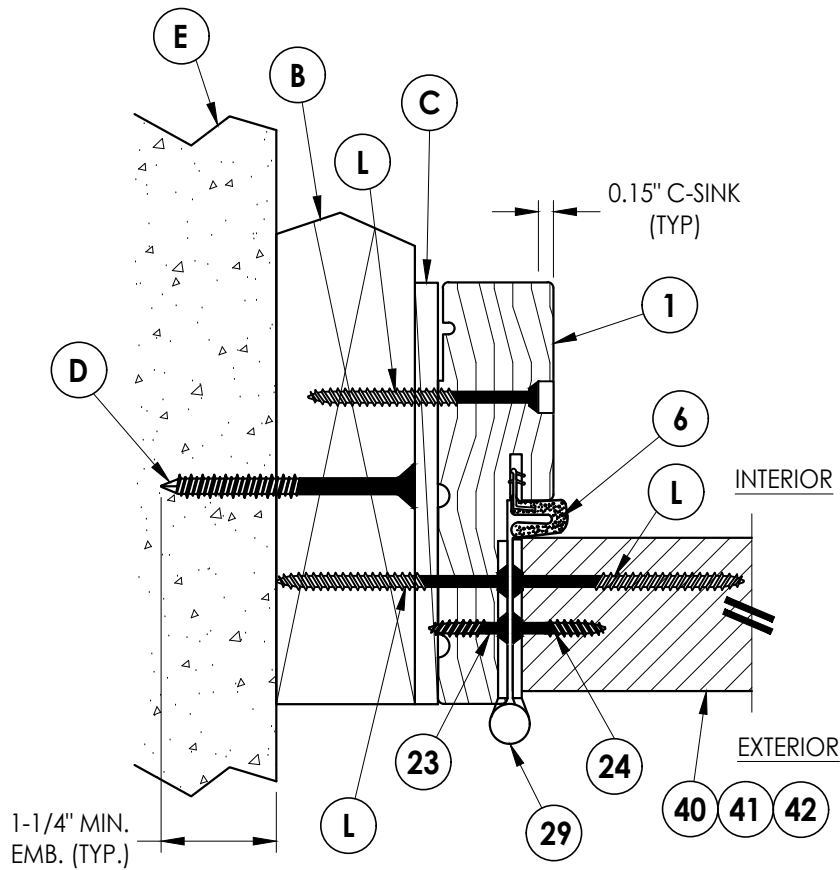
PART OR ASSEMBLY: ELEVATIONS

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P.E. No. 43409

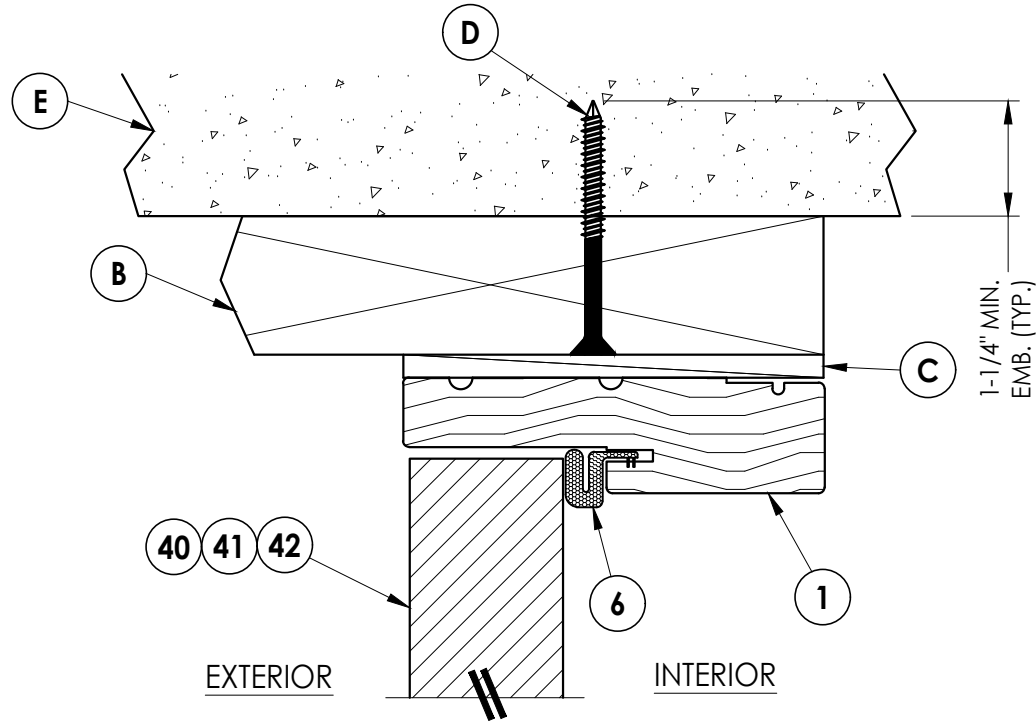
*RW* BUILDING CO.  
P.O. Box 23  
Phone No.:  
FBPE Registered

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

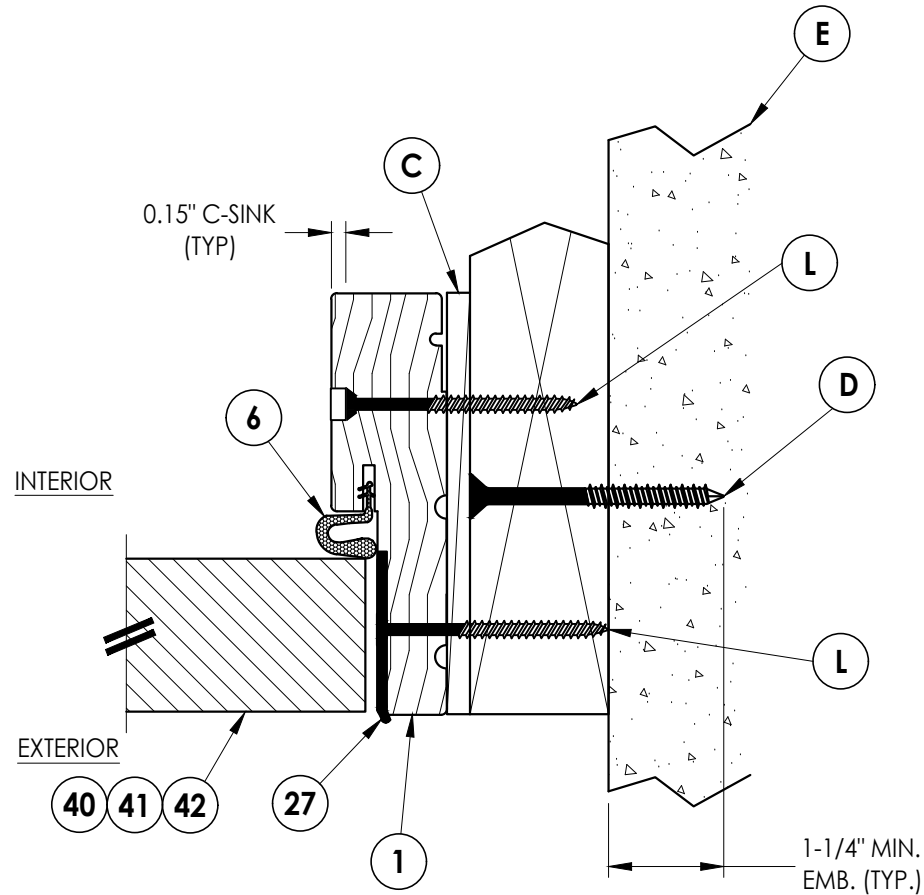
Z:\2023 FBC Drawings\Therma-Tru\FL-20470 R5\FL-20470.7-9.dwg



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



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

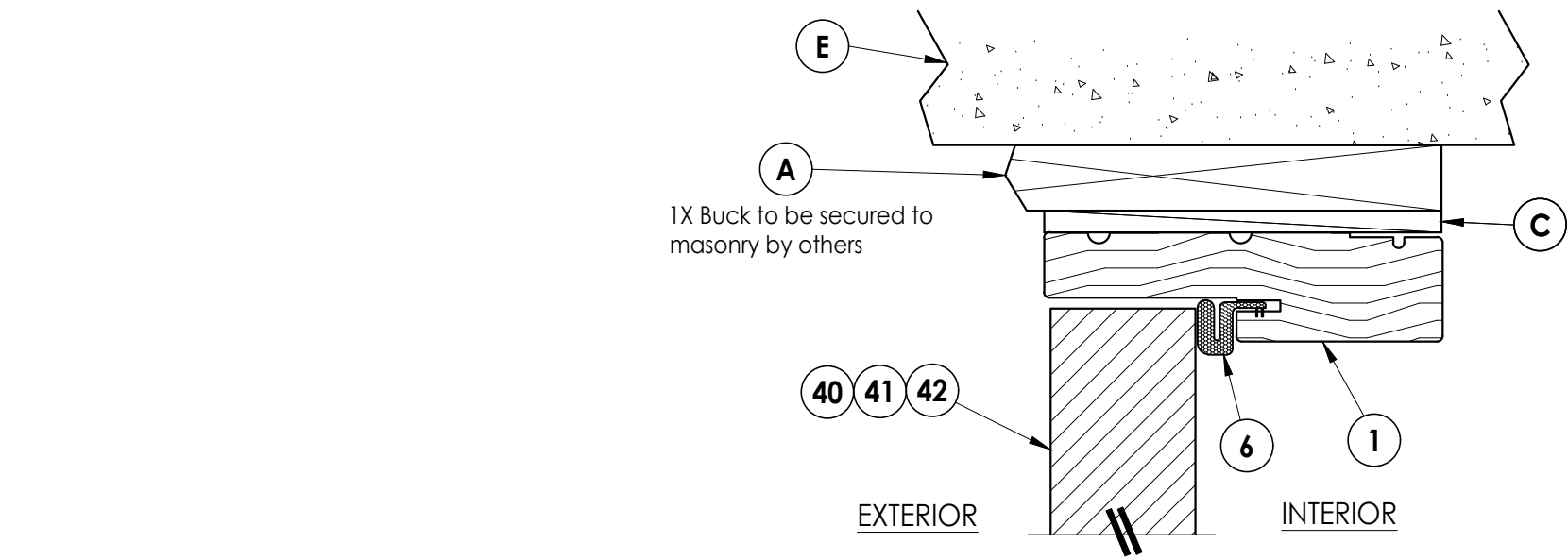


**3 HORIZONTAL CROSS SECTION**  
4 Shown w/ 2X Buck  
Outswing shown (Inswing similar)

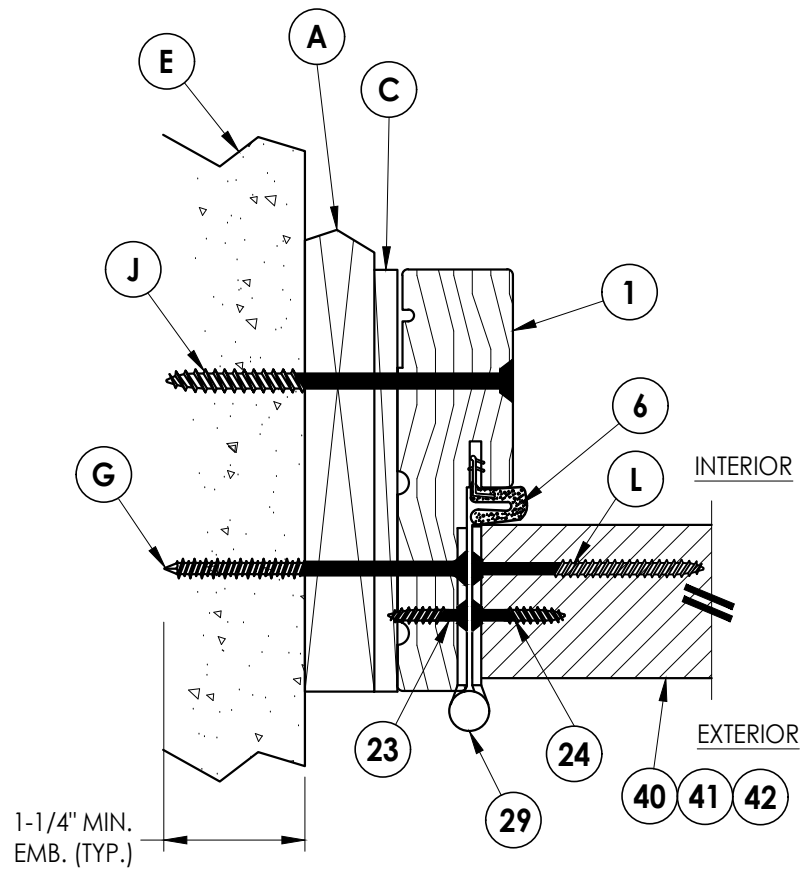
| PRODUCT:                |         | THERMA-TRU<br>FIBERGLASS DOOR                     |     |
|-------------------------|---------|---------------------------------------------------|-----|
| PART OR ASSEMBLY:       |         | HORIZONTAL & VERTICAL<br>CROSS SECTIONS (2X BUCK) |     |
| NO.                     | DATE    | REVISIONS                                         | BY  |
| 4                       | 7/02/26 | UPDATE TO 9TH ED. (2026) FBC                      | LFS |
| 3                       | 7/25/23 | UPDATE TO 8TH ED. (2023) FBC                      | LFS |
| 2                       | 7/22/20 | UPDATE TO 7TH ED. (2020) FBC                      | LFS |
| 1                       | 7/14/17 | UPDATE TO 6TH ED. (2017) FBC                      | JK  |
| DATE: 08/02/16          |         |                                                   |     |
| SCALE: N.T.S.           |         |                                                   |     |
| DWG. BY: JK             |         |                                                   |     |
| CHK. BY: LFS            |         |                                                   |     |
| DRAWING NO.: FL-20470.7 |         |                                                   |     |
| SHEET 4 OF 12           |         |                                                   |     |

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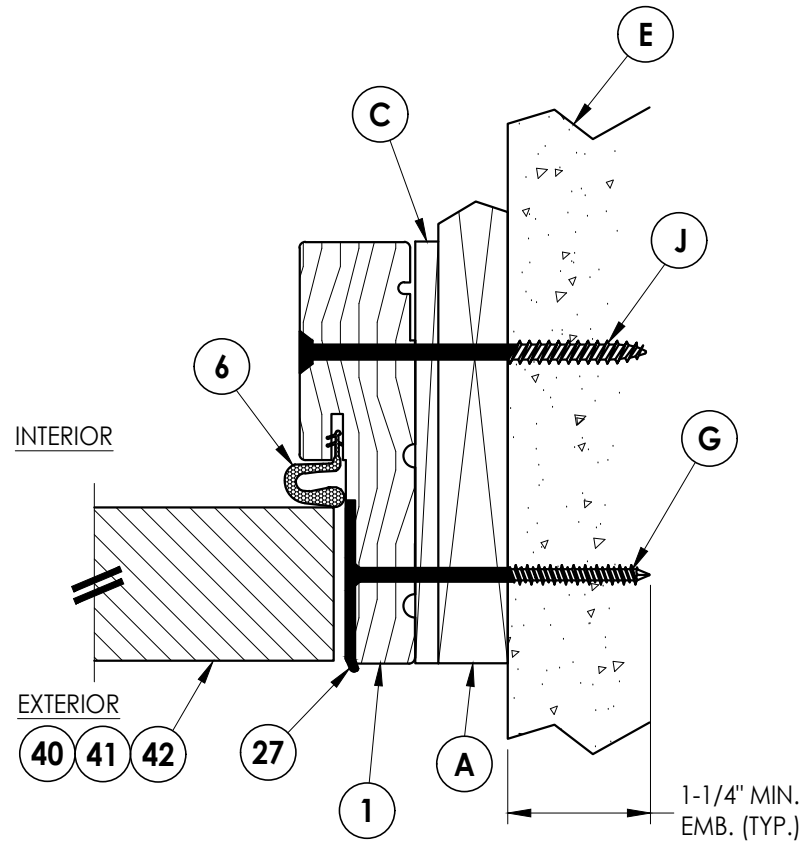
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P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813



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



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



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

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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:  
HORIZONTAL & VERTICAL  
CROSS SECTIONS (1X BUCK)

| NO. | DATE    | REVISIONS                        |
|-----|---------|----------------------------------|
| 4   | 7/02/26 | UPDATE TO 9TH ED. (2026) FBC LFS |
| 3   | 7/25/23 | UPDATE TO 8TH ED. (2023) FBC LFS |
| 2   | 7/22/20 | UPDATE TO 7th ED (2020) FBC LFS  |
| 1   | 7/14/17 | UPDATE TO 6TH ED. (2017) FBC JK  |

DATE: 08/02/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-20470.7

SHEET 5 OF 12

A cross-section diagram of a roof assembly. The diagram is divided into two main regions: **EXTERIOR** on the left and **INTERIOR** on the right. The exterior side shows a sloped roof surface with a granular material (labeled **E**) and a substrate (labeled **C**). A dimension line indicates a maximum width of **1.5" MAX.** for the granular layer. The interior side shows a horizontal assembly consisting of a structural member (labeled **1**) and a layer of insulation (labeled **40, 41, 42**). A small detail of a fastener or joint is shown at the interface between the exterior and interior layers.

[illegible]

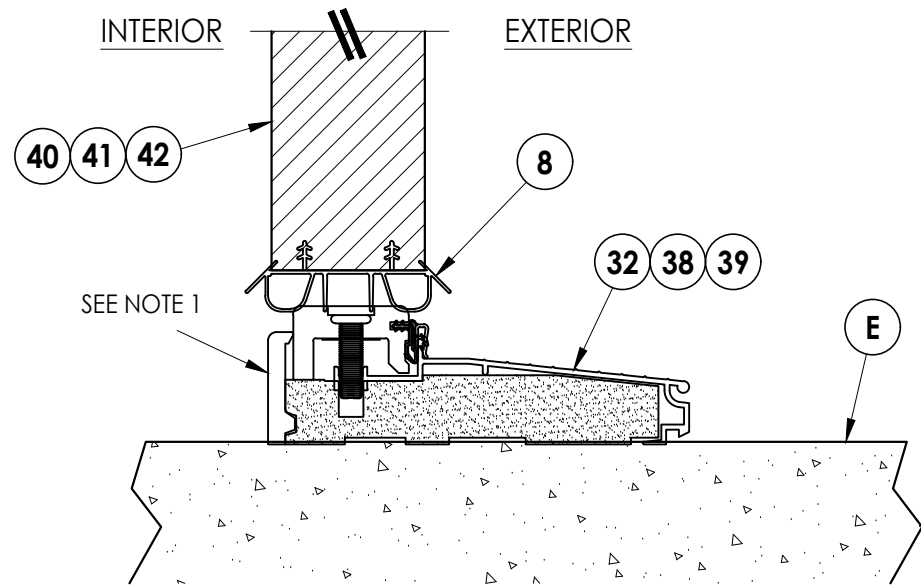
The image contains two technical cross-section drawings of a door frame assembly, labeled 'INTERIOR' and 'EXTERIOR'.

**INTERIOR View:** Shows a door (1) with a vertical edge (C) and a horizontal edge (N). A hinge (M) is shown on the door edge. A screw (E) is shown in the door edge. A dimension of 1.5" MAX. is shown for the top edge. A dimension of 1.5" MIN. is shown for the hinge area. A dimension of 4" is shown for the hinge area. A dimension of 1-1/4" MIN. EMB. (TYP.) is shown for the hinge area. A dimension of 40, 41, 42 is shown for the hinge area.

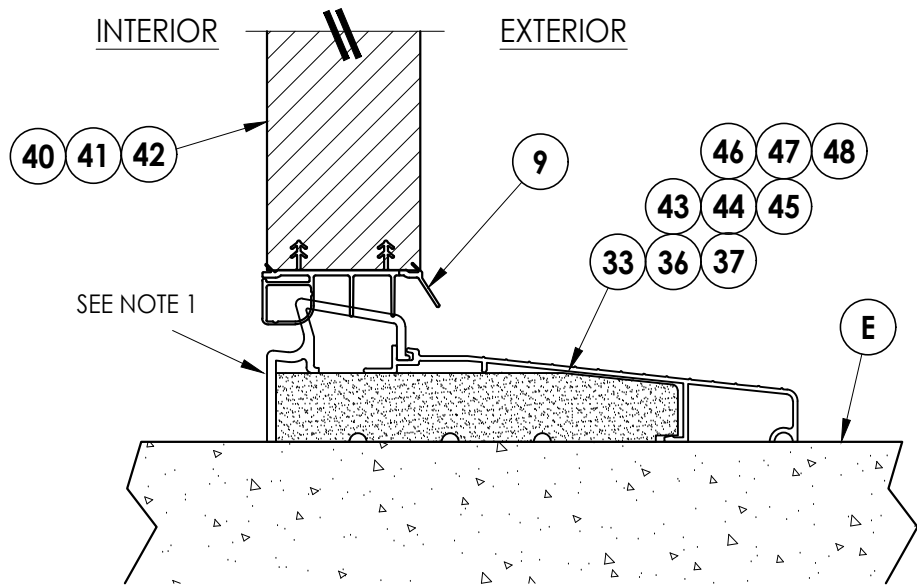
**EXTERIOR View:** Shows a door (1) with a vertical edge (C) and a horizontal edge (N). A hinge (M) is shown on the door edge. A screw (E) is shown in the door edge. A dimension of 1.5" MAX. is shown for the top edge. A dimension of 1.5" MIN. is shown for the hinge area. A dimension of 4.25" is shown for the hinge area. A dimension of 1-1/4" MIN. EMB. (TYP.) is shown for the hinge area.

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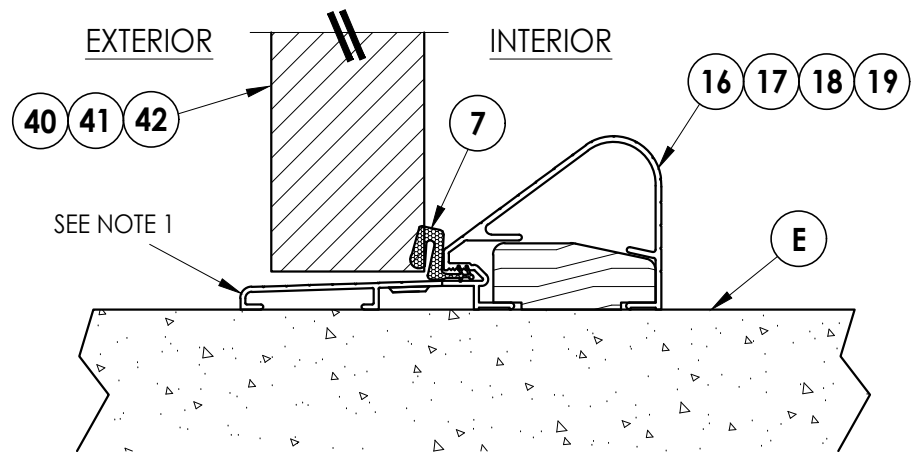
Notes:  
1. Sill Item #'s 16, 32, 33, 36, 37, 38, 39, 43, 44, 45, 46, 47 & 48 are attached to jambs w/ (3) #8 X 2-1/2" pph screws at each end.  
Sill Item #'s 17, 18 & 19 are attached to jambs w/ (2) #8 X 2-1/2" pph screws at each end.  
Sill Item #15 is attached to jambs utilizing (2) #10 X 2" pph SMS at each end.



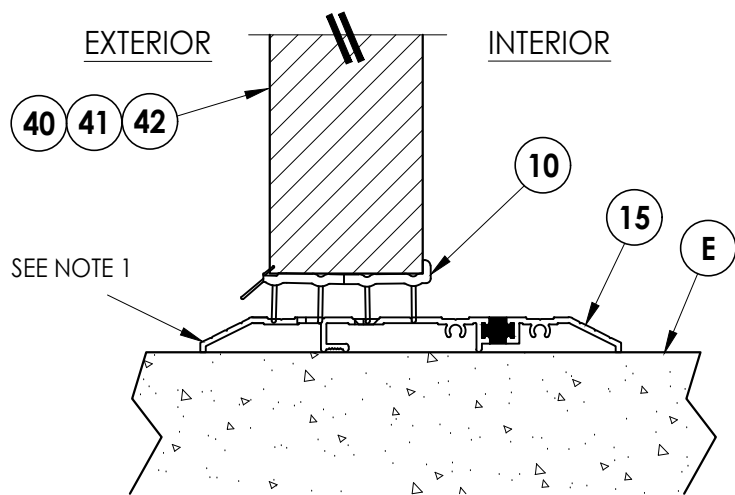
1  
7 VERTICAL CROSS SECTION  
Inswing Sill



2  
7 VERTICAL CROSS SECTION  
Inswing Sill



3  
7 VERTICAL CROSS SECTION  
Outswing Sill (Coastal Sill Shown)



4  
7 VERTICAL CROSS SECTION  
Public Access Sill

Documents Prepared By:  
Lyndon F. Schmidt  
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**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
VERTICAL CROSS  
SECTIONS (THRESHOLDS)

|   |         |                          |     |     |  | REVISIONS |      |
|---|---------|--------------------------|-----|-----|--|-----------|------|
|   |         |                          |     |     |  | NO.       | DATE |
| 4 | 7/02/26 | UPDATE TO 9TH ED. (2026) | FBC | LFS |  |           |      |
| 3 | 7/25/23 | UPDATE TO 8TH ED. (2023) | FBC | LFS |  |           |      |
| 2 | 7/22/20 | UPDATE TO 7th ED. (2020) | FBC | LFS |  |           |      |
| 1 | 7/14/17 | UPDATE TO 6TH ED. (2017) | FBC | JK  |  |           |      |

DATE: 08/02/16

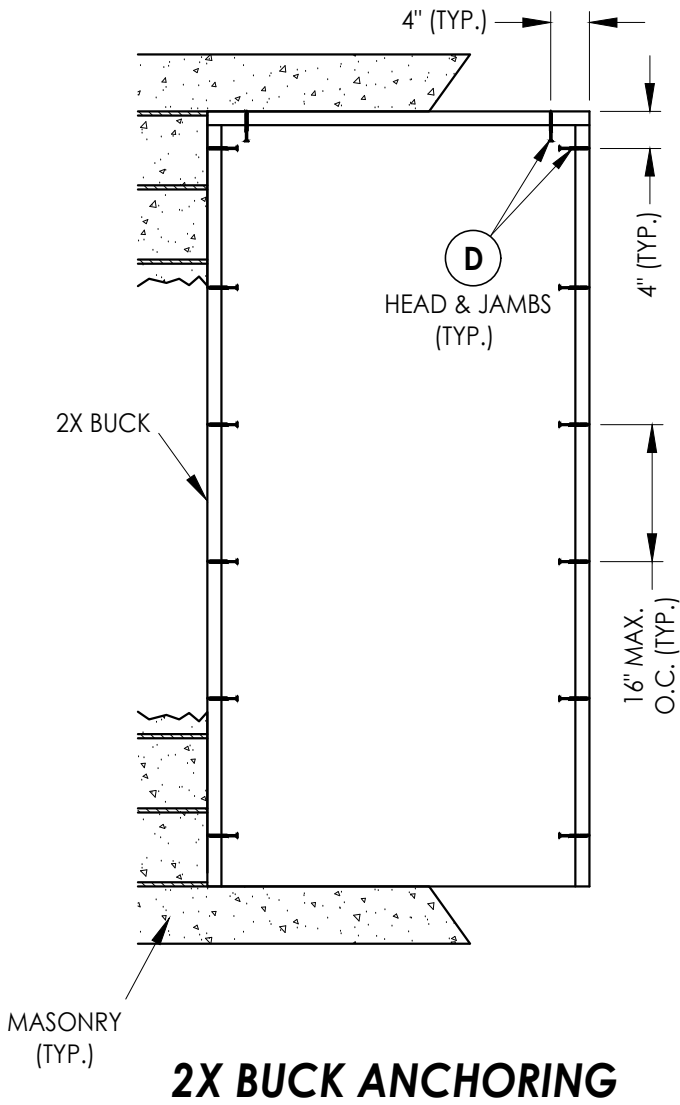
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DWG. BY: JK

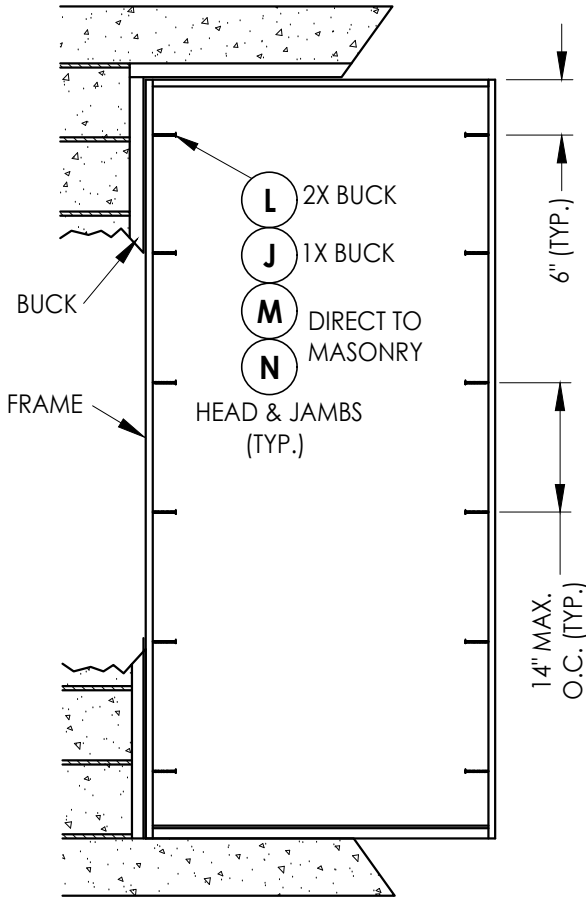
CHK. BY: LFS

DRAWING NO.:  
FL-20470.7

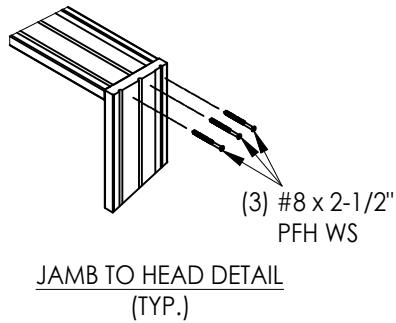
SHEET 7 OF 12



**2X BUCK ANCHORING**



**FRAME ANCHORING**

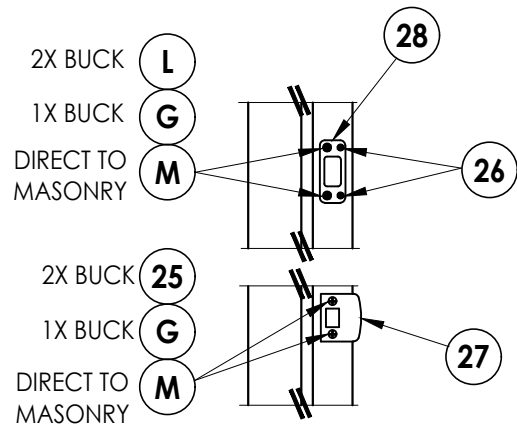


|                         |  |
|-------------------------|--|
| DATE: 08/02/16          |  |
| SCALE: N.T.S.           |  |
| DWG. BY: JK             |  |
| CHK. BY: LFS            |  |
| DRAWING NO.: FL-20470.7 |  |
| SHEET 8 OF 12           |  |

|                                          |  |
|------------------------------------------|--|
| PRODUCT: THERMA-TRU FIBERGLASS DOOR      |  |
| PART OR ASSEMBLY: BUCK & FRAME ANCHORING |  |

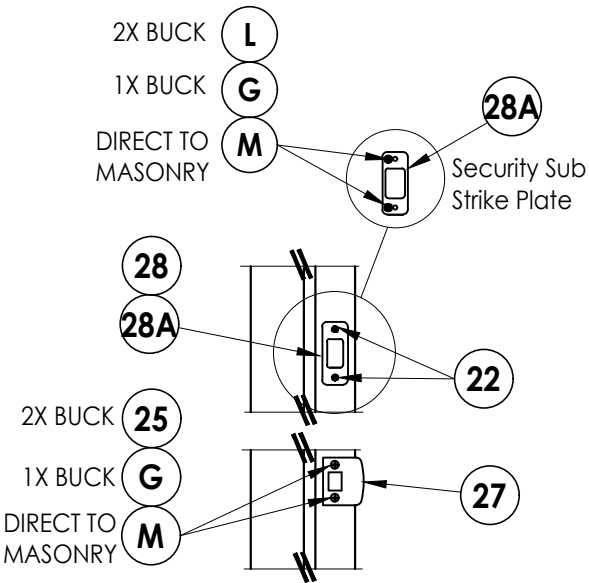
|                                                                                                             |  |
|-------------------------------------------------------------------------------------------------------------|--|
| Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409                                                     |  |
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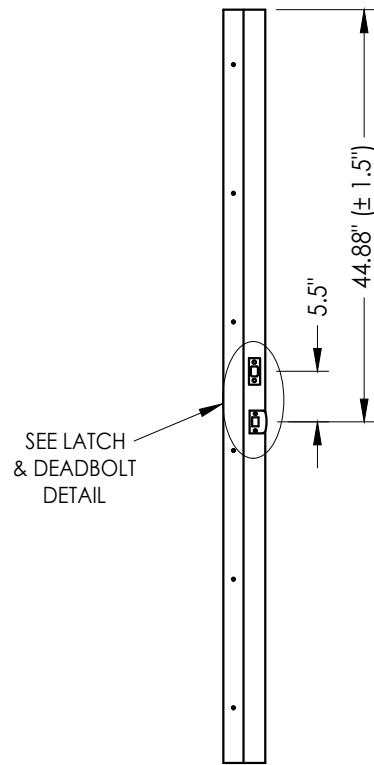
**LATCH & DEADBOLT DETAIL**

Kwikset



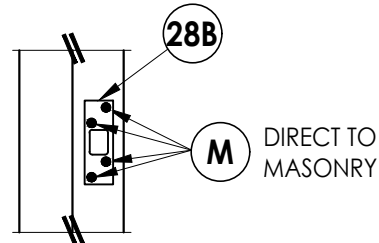
**LATCH & DEADBOLT DETAIL**

Schlage



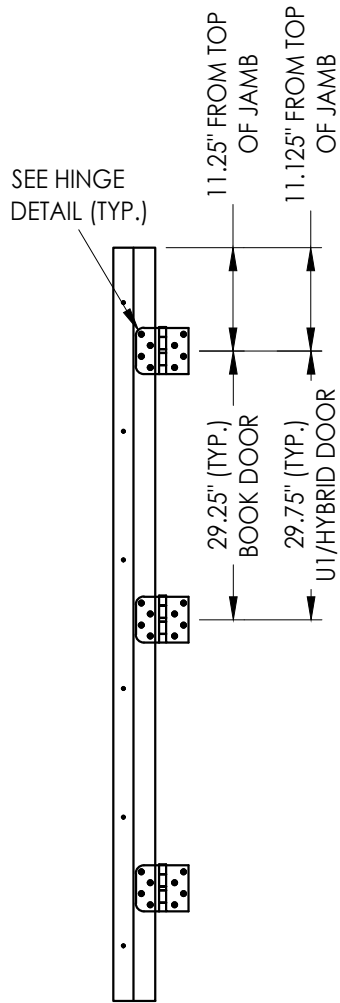
**STRIKE JAMB**

Latch and Deadbolt

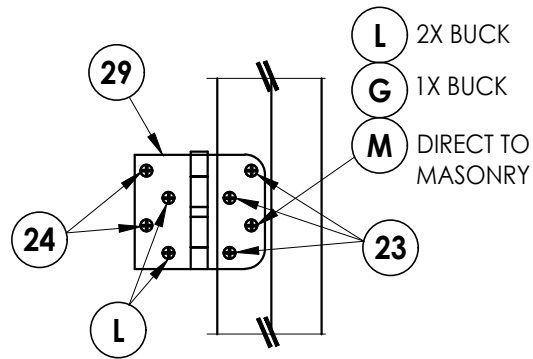


**DEADBOLT STRIKE DETAILS**

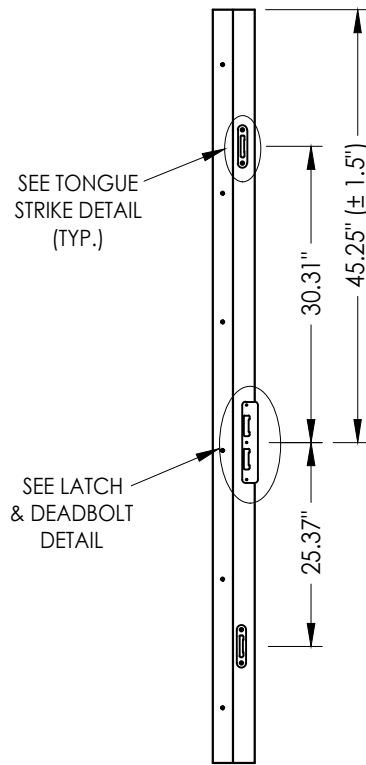
(Security Deadbolt Strike Plate)



**HINGE JAMB**

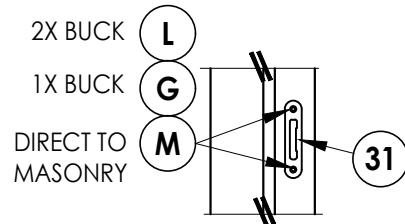


**HINGE DETAIL**



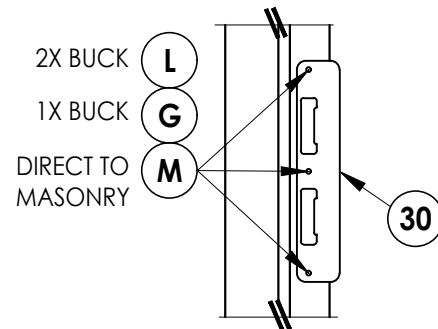
**STRIKE JAMB**

Multipoint Lock



**TONGUE STRIKE DETAIL**

Multipoint Lock



**LATCH & DEADBOLT DETAIL**

Multipoint Lock

**MULTIPOINT LOCK STRIKE DETAILS**

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

PRODUCT: THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY: HARDWARE DETAILS

| NO. | DATE    | REVISIONS                |     |      |      |
|-----|---------|--------------------------|-----|------|------|
|     |         | DATE                     | BY  | CHK. | APP. |
| 4   | 7/02/26 | UPDATE TO 9TH ED. (2026) | FBC | LFS  |      |
| 3   | 7/25/23 | UPDATE TO 8TH ED. (2023) | FBC | LFS  |      |
| 2   | 7/22/20 | UPDATE TO 7th ED (2020)  | FBC | LFS  |      |
| 1   | 7/14/17 | UPDATE TO 6th ED. (2017) | FBC | JK   |      |

DATE: 08/02/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

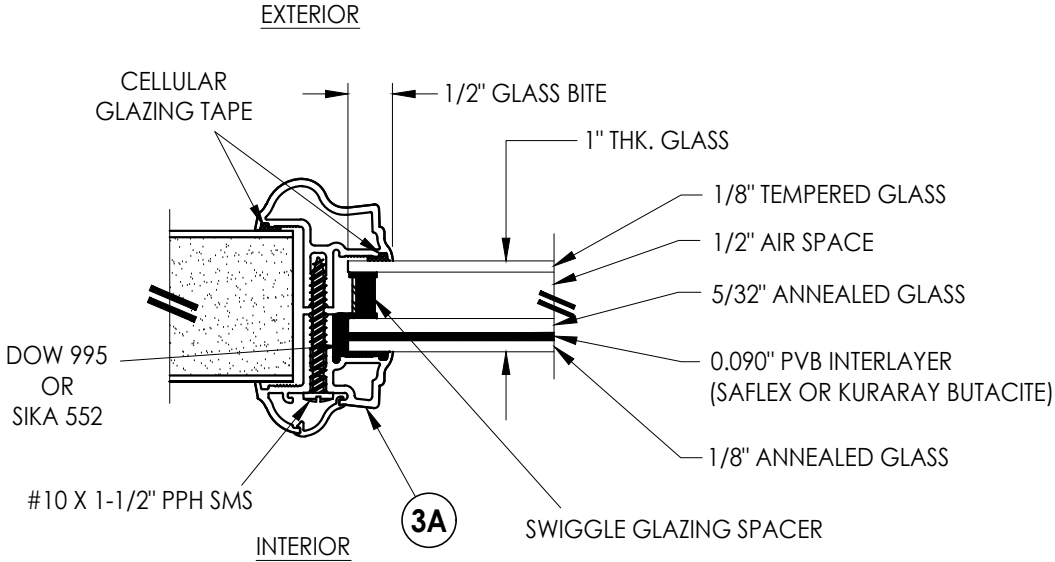
DRAWING NO.:

FL-20470.7

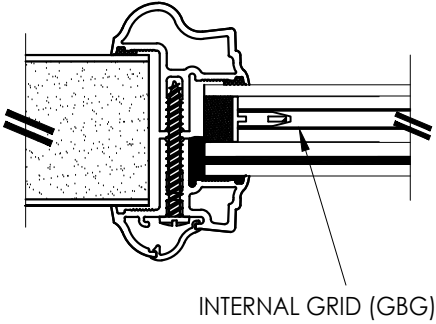
SHEET 9 OF 12

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Phone No.: 813.659.9197  
FBPE Registry No. 9813

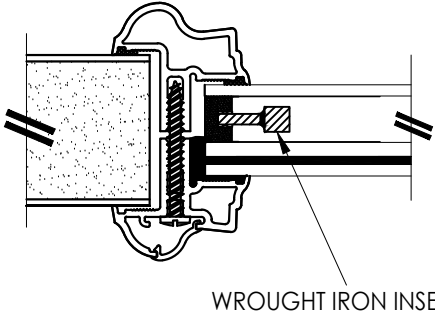
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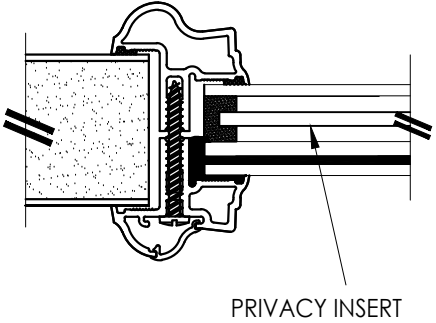
**G1 GLAZING DETAIL**  
Aluminum Impact Lite Frame  
Door Panels & Sidelites



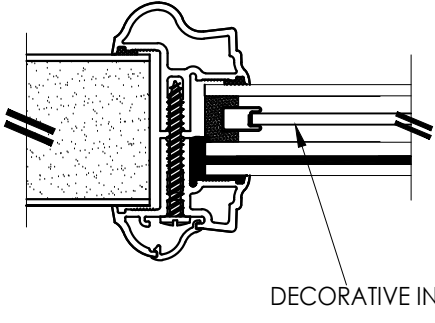
INTERNAL GRID (GBG)



WROUGHT IRON INSERT

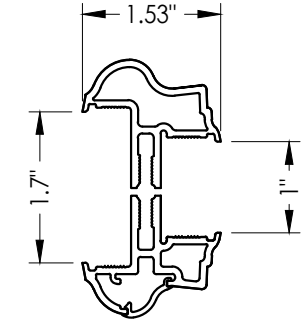


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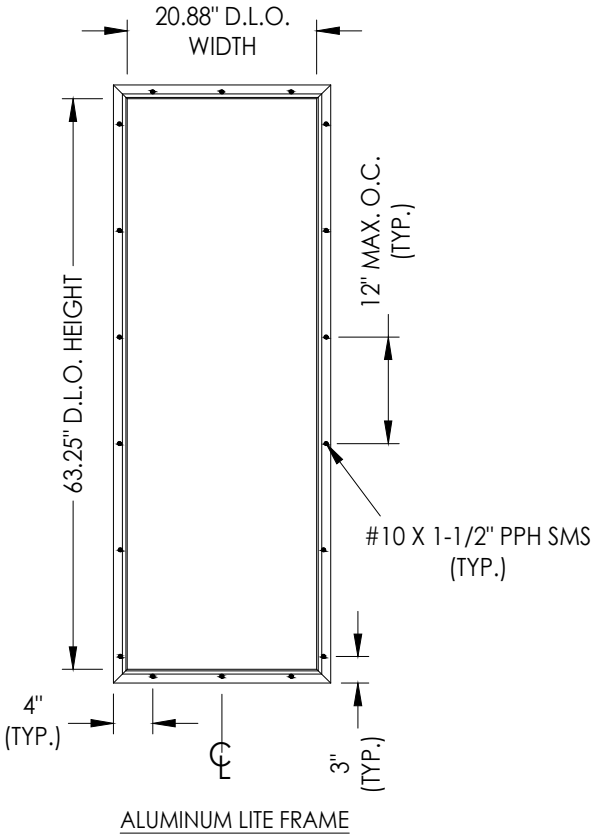


DECORATIVE INSERT

1" LAMINATED INSULATED IMPACT GLASS INSERT OPTIONS



**3A ALUMINUM FRAME**  
Aluminum Impact Lite Frame  
Door Panels & Sidelites



ALUMINUM LITE FRAME

| NO. | DATE    | REVISIONS                |     |      |      |
|-----|---------|--------------------------|-----|------|------|
|     |         | DATE                     | BY  | CHK. | APP. |
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| 3   | 7/25/23 | UPDATE TO 8TH ED. (2023) | FBC | LFS  |      |
| 2   | 7/22/20 | UPDATE TO 7th ED. (2020) | FBC | LFS  |      |
| 1   | 7/14/17 | UPDATE TO 6TH ED. (2017) | FBC | JK   |      |

DATE: 08/02/16

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:  
FL-20470.7

SHEET 10 OF 12

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:  
GLAZING DETAILS



Z:\2023 FBC Drawings\Therma-Tru\FL-20470 R5\FL-20470.7-9.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  |
| G                 | 3/16" X 3-1/4" 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     |
| 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     |
| 15                | PUBLIC ACCESS THRESHOLD                                                                        | ALUM      |
| 16                | OUTSWING THRESHOLD                                                                             | ALUM/COMP |
| 17                | OUTSWING THRESHOLD                                                                             | ALUM/COMP |
| 18                | OUTSWING THRESHOLD                                                                             | ALUM/COMP |
| 19                | COASTAL OUTSWING THRESHOLD                                                                     | ALUM/WOOD |
| 22                | #8 x 3/4" PFH WOOD SCREW                                                                       | STEEL     |
| 23                | #10 x 3/4" PFH WOOD SCREW                                                                      | STEEL     |
| 24                | #10 x 1" PFH WOOD SCREW                                                                        | STEEL     |

| BILL OF MATERIALS |                                               |           |
|-------------------|-----------------------------------------------|-----------|
| ITEM #            | DESCRIPTION                                   | MATERIAL  |
| 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 (STANDARD)              | STEEL     |
| 28A               | DEADBOLT SUB STRIKE PLATE                     | STEEL     |
| 28B               | DEADBOLT STRIKE PLATE (SECURITY)              | STEEL     |
| 29                | 4" X 4" HINGE                                 | STEEL     |
| 30                | LATCH & DEADBOLT STRIKE PLATE (TONGUE SYSTEM) | ALUM/COMP |
| 31                | MULTIPOINT STRIKE PLATE (TONGUE SYSTEM)       | ALUM/COMP |
| 32                | INSWING THRESHOLD                             | ALUM/COMP |
| 33                | 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                | INSWING THRESHOLD                             | ALUM/COMP |
| 44                | INSWING THRESHOLD                             | ALUM/COMP |
| 45                | INSWING THRESHOLD                             | ALUM/COMP |
| 46                | INSWING THRESHOLD                             | ALUM/COMP |
| 47                | INSWING THRESHOLD                             | ALUM/COMP |
| 48                | INSWING THRESHOLD                             | ALUM/COMP |

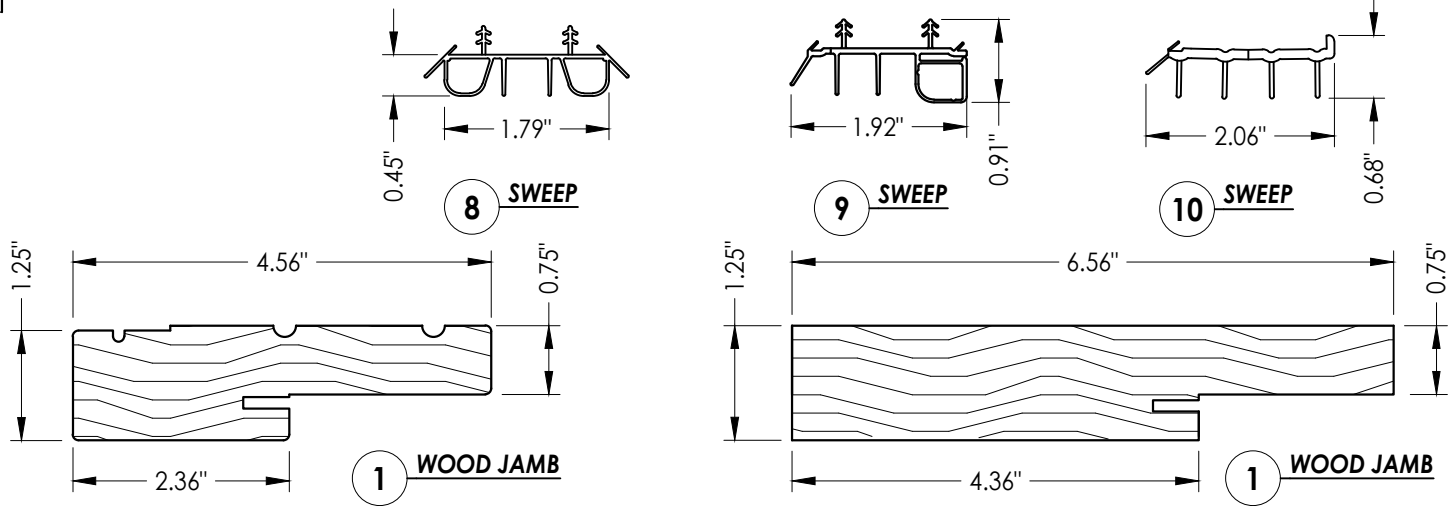
CONCRETE ANCHOR NOTES:

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

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

WOOD SCREW INSTALLATION NOTES:

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



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.

Documents Prepared By:  
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FBPE Registry No. 9813

PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
COMPONENTS  
& BILL OF MATERIALS

|           |          | LFS                      | LFS | LFS | JK | BY |
|-----------|----------|--------------------------|-----|-----|----|----|
| 4         | 7/02/26  | UPDATE TO 9TH ED. (2026) | FBC |     |    |    |
| 3         | 7/25/23  | UPDATE TO 8TH ED. (2023) | FBC |     |    |    |
| 2         | 7/22/20  | UPDATE TO 7th ED (2020)  | FBC |     |    |    |
| 1         | 7/14/17  | UPDATE TO 6TH ED. (2017) | FBC |     |    |    |
|           | NO. DATE |                          |     |     |    |    |
| REVISIONS |          |                          |     |     |    |    |

DATE: 08/02/16  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-20470.7  
SHEET 12 OF 12