



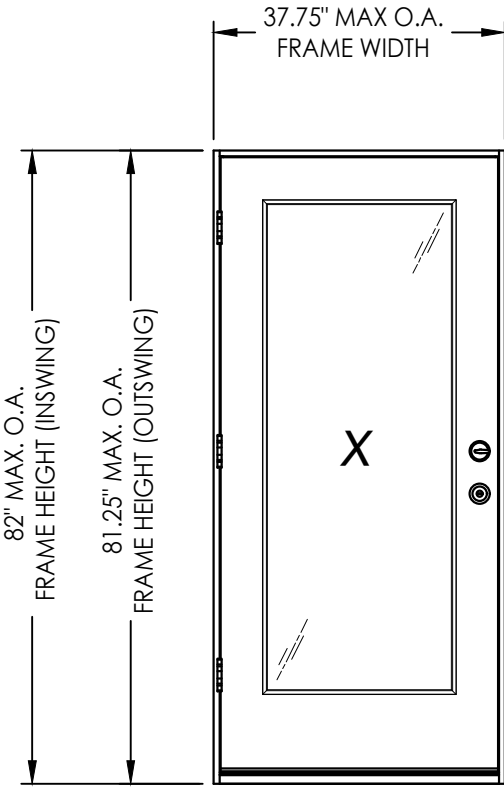
Fiber-Classic® & Smooth-Star®

COMPOSITE EDGE  
FLUSH GLAZED FIBERGLASS  
SINGLE DOOR  
INSWING/OUTSWING  
"IMPACT"

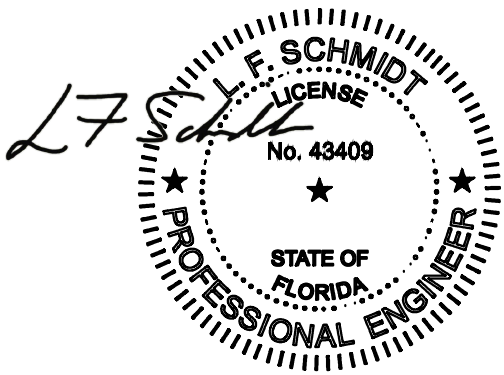
GENERAL NOTES

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 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 excludes Wind Zone 4 as defined in ASTM E1996.
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 panel require the use of "J" part numbers and must be stained or painted within six months of installation.

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



| CONFIGURATION | DESIGN PRESSURE (PSF)<br>INSWING |          | DESIGN PRESSURE (PSF)<br>OUTSWING |          |
|---------------|----------------------------------|----------|-----------------------------------|----------|
|               | POSITIVE                         | NEGATIVE | POSITIVE                          | NEGATIVE |
| X             | +50.0                            | -50.0    | +50.0                             | -50.0    |



Digitally signed by  
Lyndon F Schmidt  
Date: 2026.08.10  
10:49:54 -04'00'

This item has been digitally signed and sealed by  
L. F. Schmidt, P.E. on the date adjacent to the seal.  
  
Printed copies of this document are not  
considered signed and sealed and the signature  
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID  
ONLY FOR THE STATE OF FLORIDA

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

THERMA-TRU  
FIBERGLASS DOOR

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

DATE  
7/03/26

NO.  
1

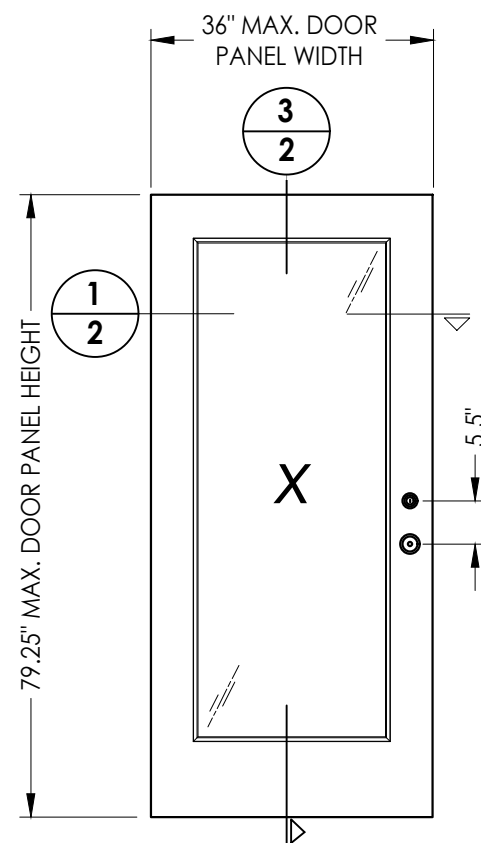
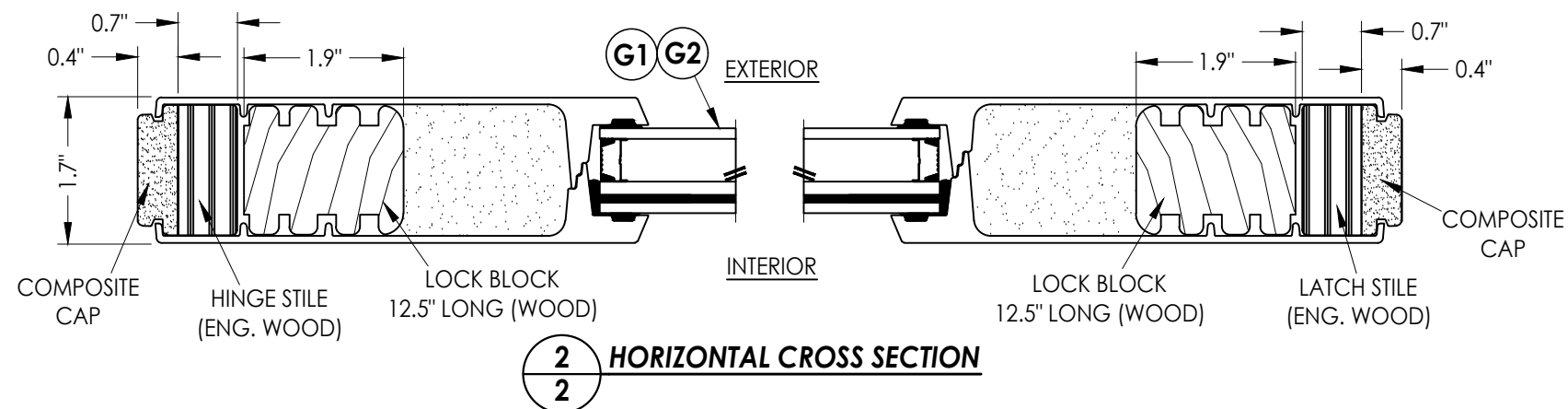
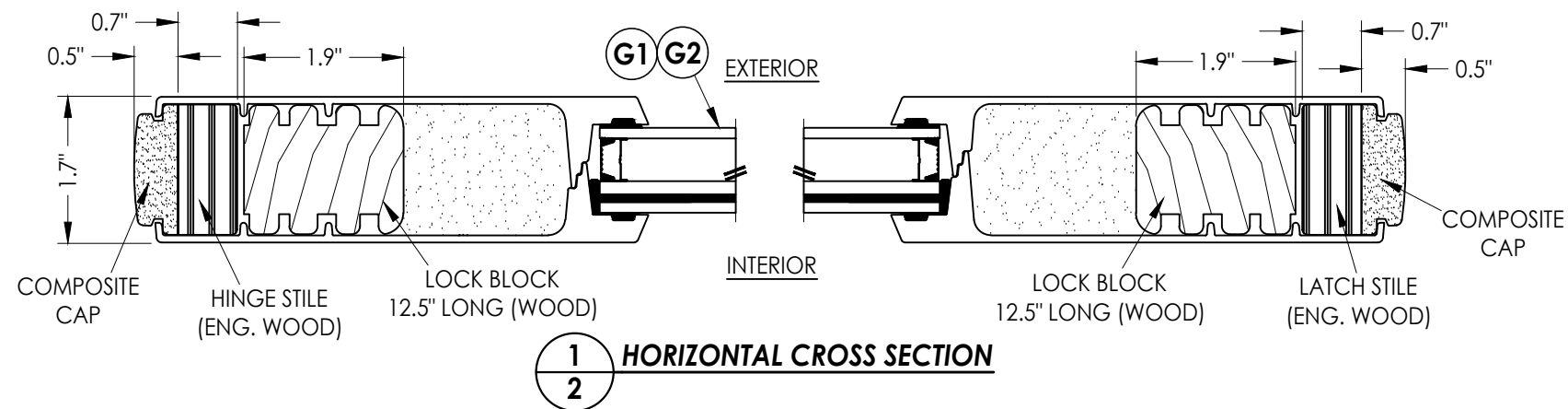
DATE  
7/03/26

BY  
LFS

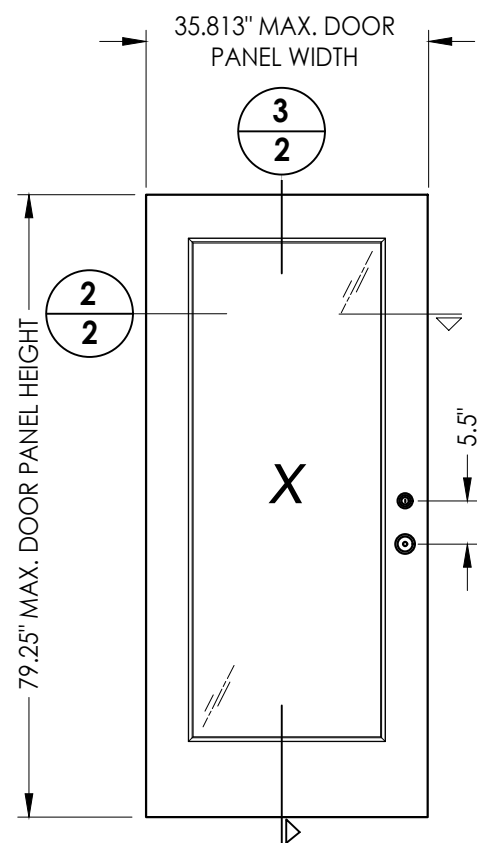
REVISIONS

DATE: 6/17/24  
SCALE: N.T.S.  
DWG. BY: LFS  
CHK. BY: RW  
DRAWING NO.: FL-46832.1  
SHEET 1 OF 11

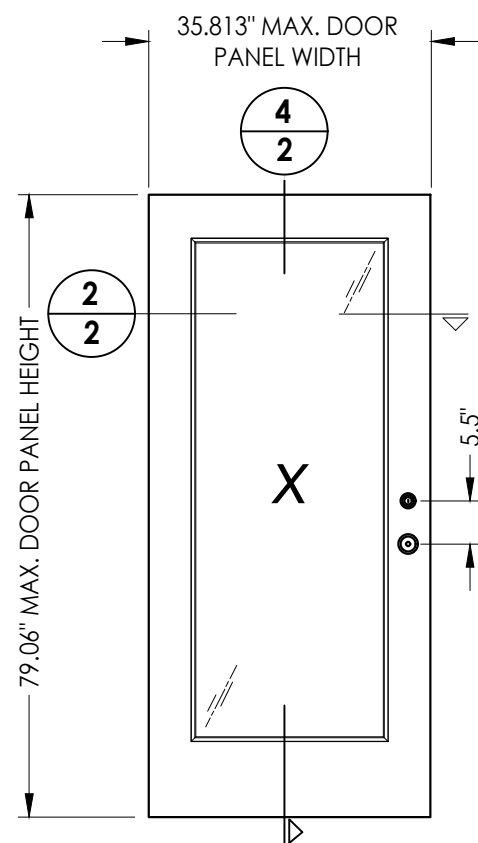
RW BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813



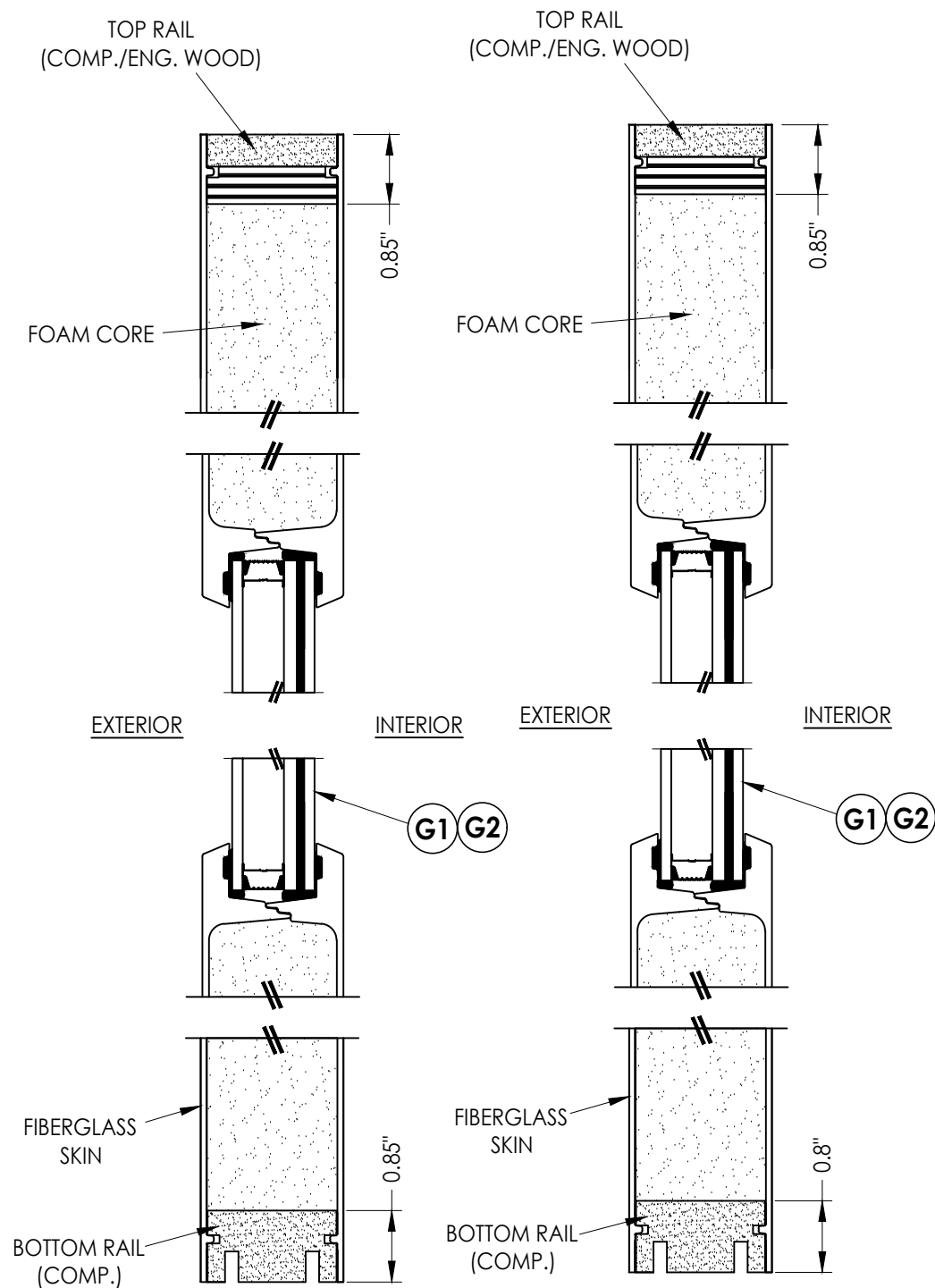
**40** FIBERGLASS DOOR PANEL  
BOOK DOOR - COMPOSITE EDGE



**41 FIBERGLASS DOOR PANEL**  
HYBRID DOOR - COMPOSITE EDGE



**42** FIBERGLASS DOOR PANEL  
U1 DOOR - COMPOSITE EDGE

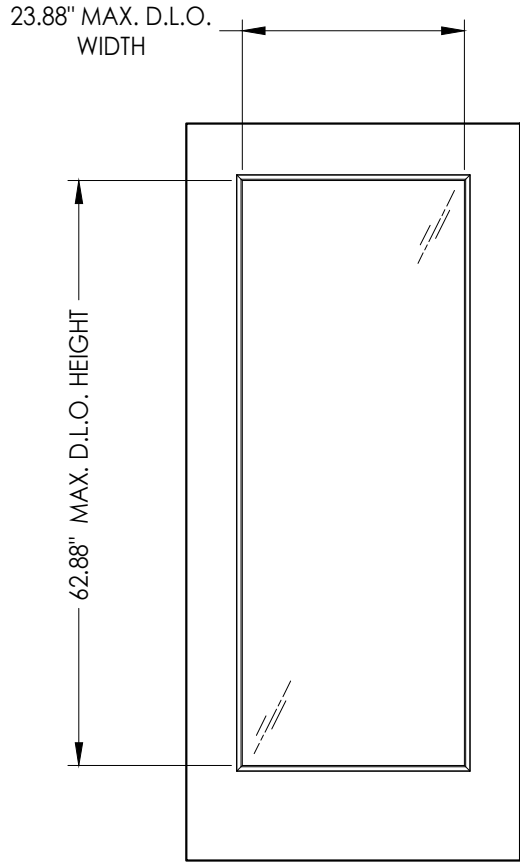


**3** **VERTICAL CROSS SECTION**  
**2**

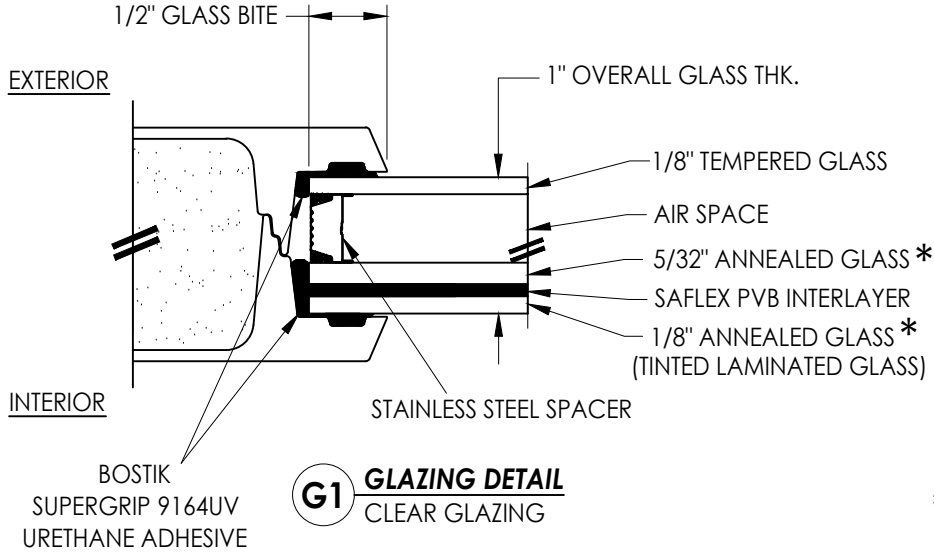
## 4 2 VERTICAL CROSS SECTION

[illegible]

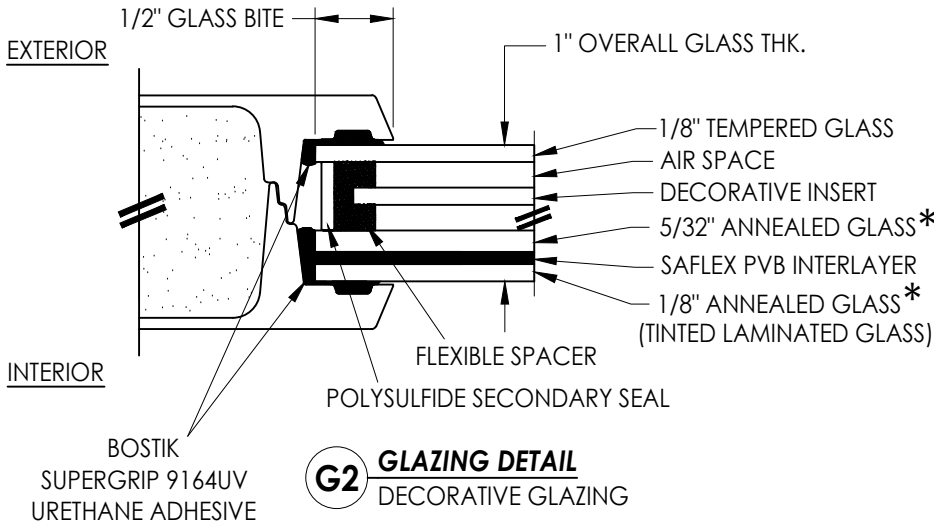
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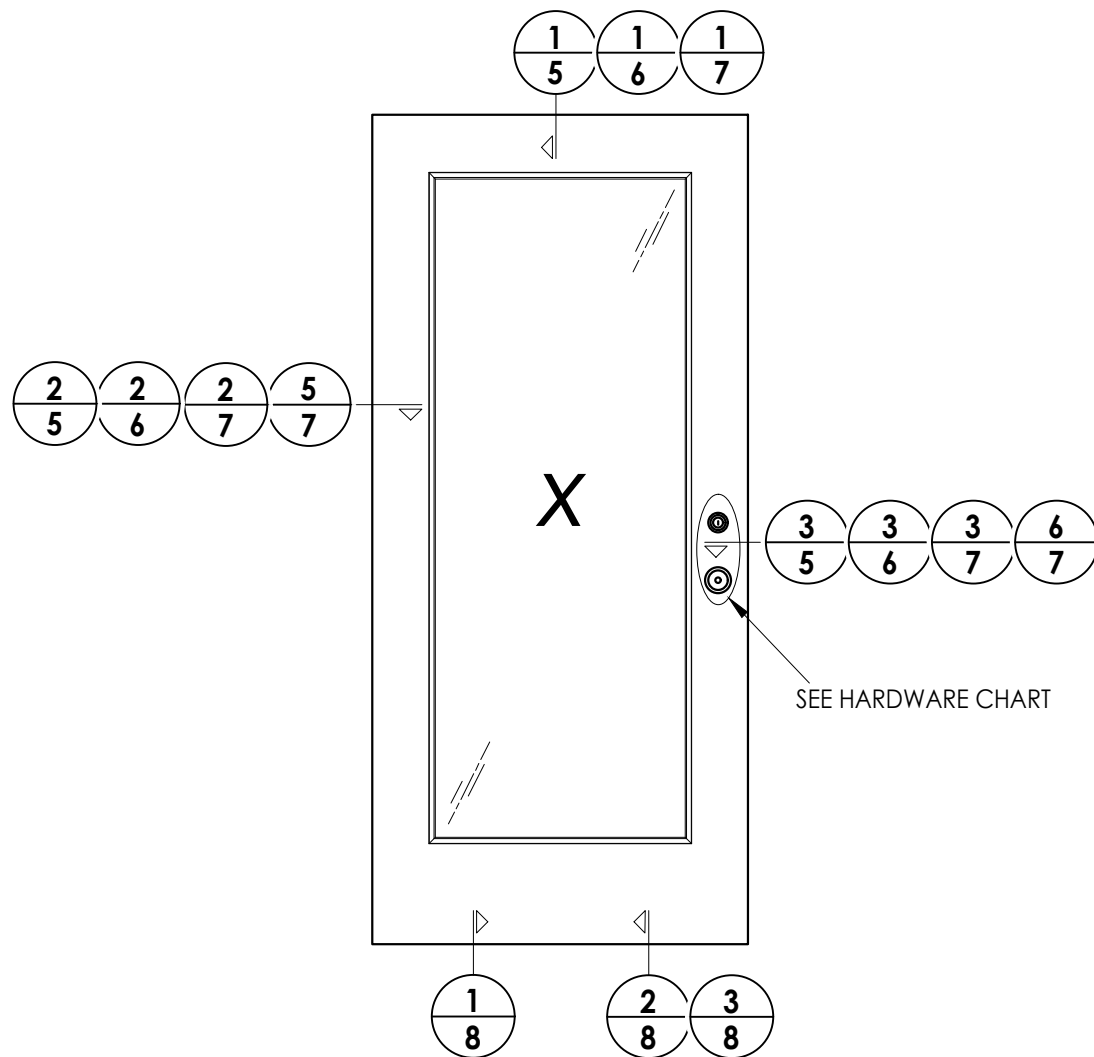
6'-8" FLUSH GLAZING



\* NOTE: THE LAMINATED GLASS MAY BE FLIPPED SO THAT THE 5/32" ANNEALED GLASS IS ADJACENT TO THE FLUSH GLAZING FRAME.



|                                                               |  |                                      |  |                                                                                                                       |                          |      |  |
|---------------------------------------------------------------|--|--------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------|--------------------------|------|--|
| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409 |  |                                      |  | RW BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |                          |      |  |
| PRODUCT:<br>THERMA-TRU<br>FIBERGLASS DOOR                     |  | PART OR ASSEMBLY:<br>GLAZING DETAILS |  |                                                                                                                       |                          |      |  |
|                                                               |  |                                      |  |                                                                                                                       | LFS                      | BY   |  |
|                                                               |  |                                      |  |                                                                                                                       | FBC                      |      |  |
|                                                               |  |                                      |  |                                                                                                                       | UPDATE TO 9TH ED. (2026) |      |  |
|                                                               |  |                                      |  |                                                                                                                       | 7/03/26                  | DATE |  |
|                                                               |  |                                      |  |                                                                                                                       | 1                        | NO.  |  |
| DATE: 6/17/24                                                 |  |                                      |  | REVISIONS                                                                                                             |                          |      |  |
| SCALE: N.T.S.                                                 |  |                                      |  |                                                                                                                       |                          |      |  |
| DWG. BY: LFS                                                  |  |                                      |  |                                                                                                                       |                          |      |  |
| CHK. BY: RW                                                   |  |                                      |  |                                                                                                                       |                          |      |  |
| DRAWING NO.: FL-46832.1                                       |  |                                      |  |                                                                                                                       |                          |      |  |
| SHEET 3 OF 11                                                 |  |                                      |  |                                                                                                                       |                          |      |  |



| 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) |                        |

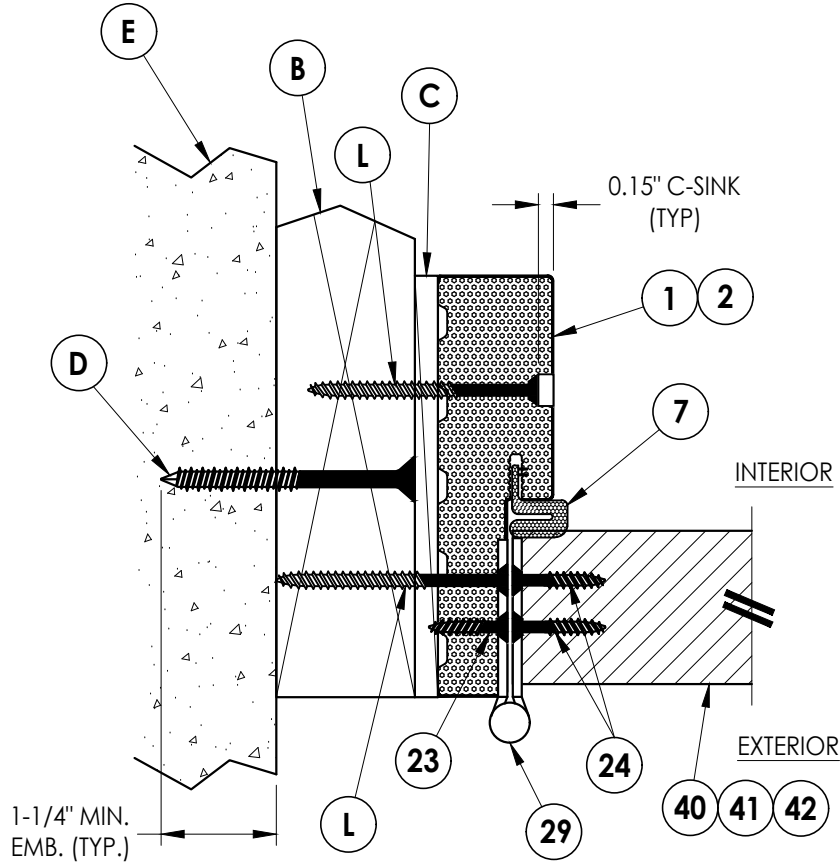
[illegible]

PRODUCT: THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY: ELEVATIONS

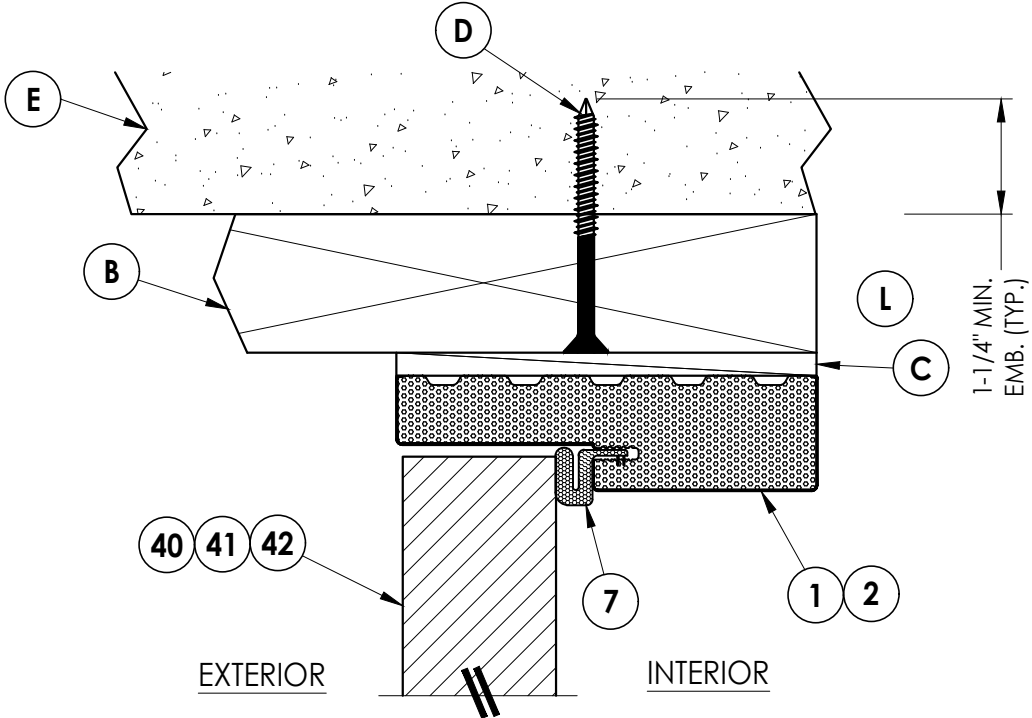
**Documents Prepared By:**  
Lyndon F. Schmidt  
P.E. No. 43409

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Phone No.: 813.659.9197  
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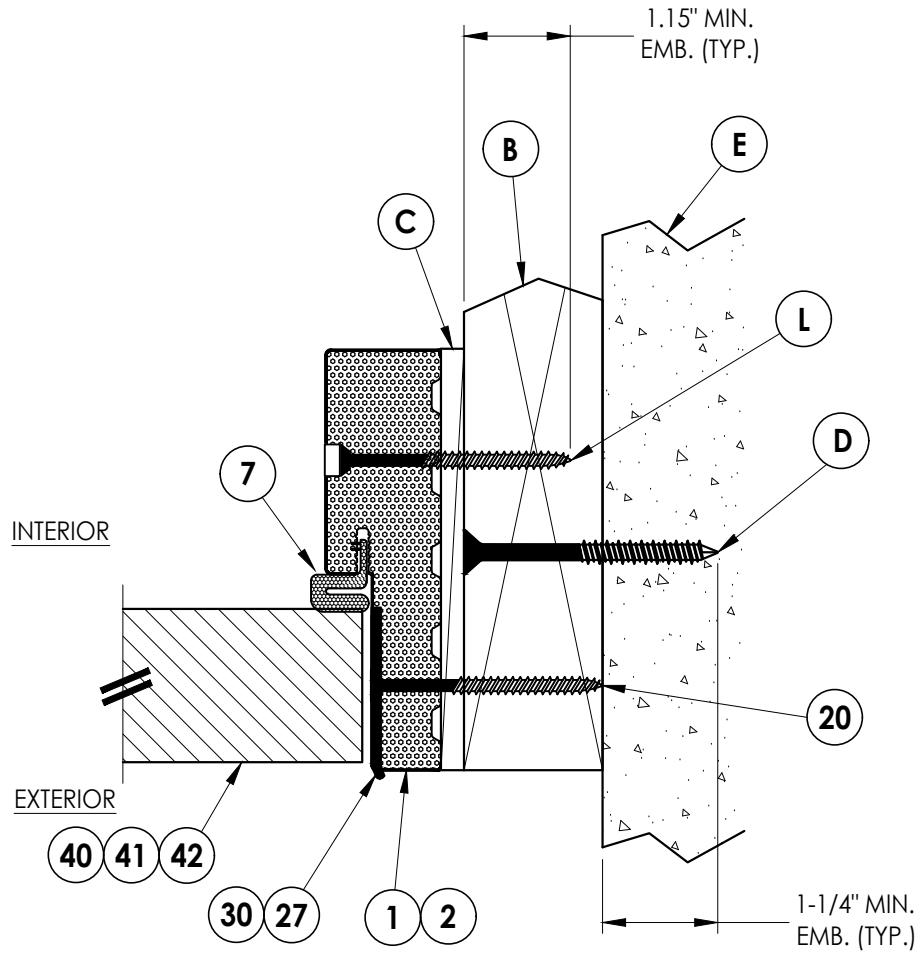
## 2 HORIZONTAL CROSS SECTION

5 Shown w/ 2X Buck  
Outswing shown (Inswing similar)



## 1 VERTICAL CROSS SECTION

5 Shown w/ 2X Buck  
Outswing shown (Inswing similar)

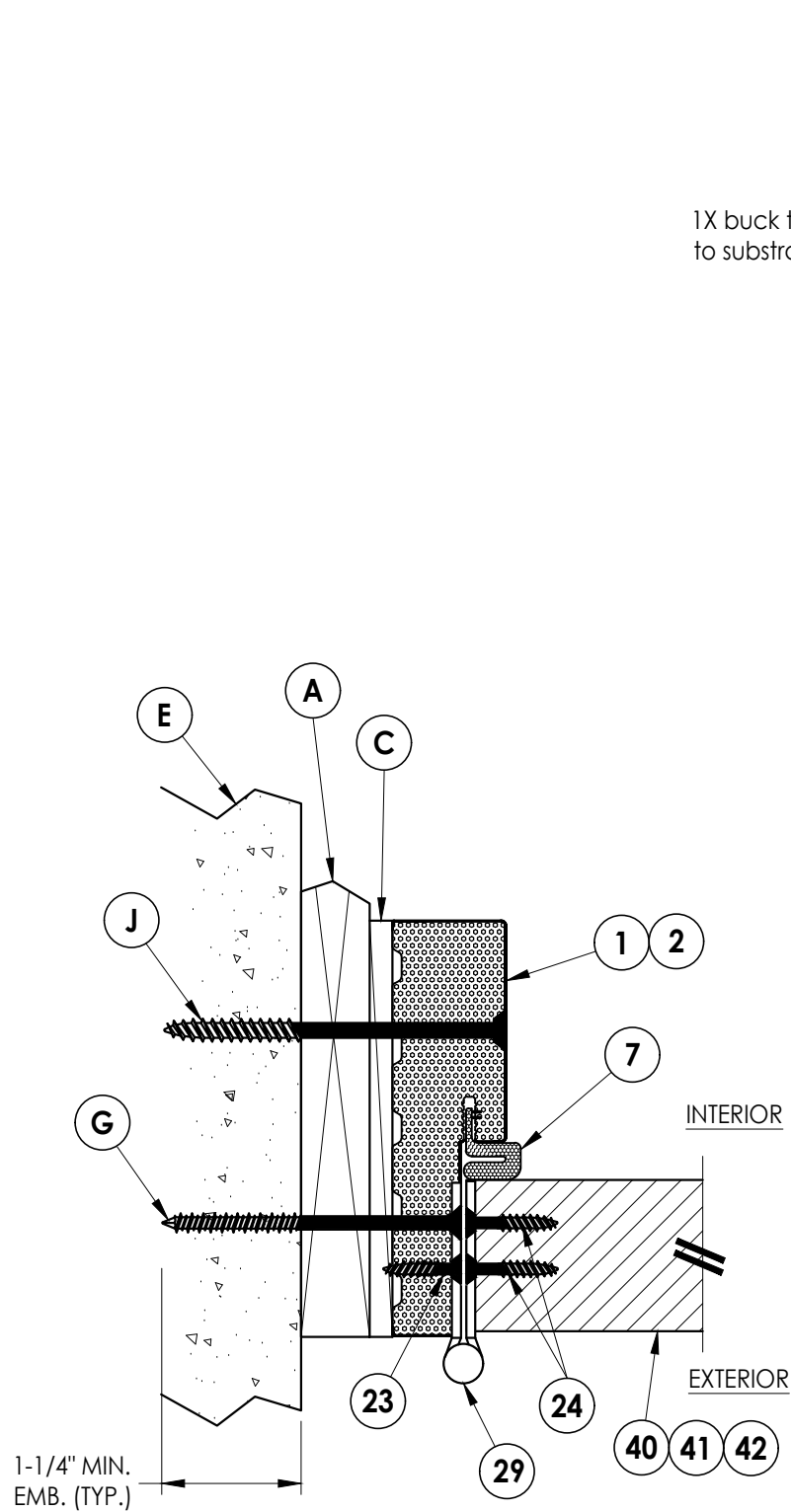


### 3 HORIZONTAL CROSS SECTION

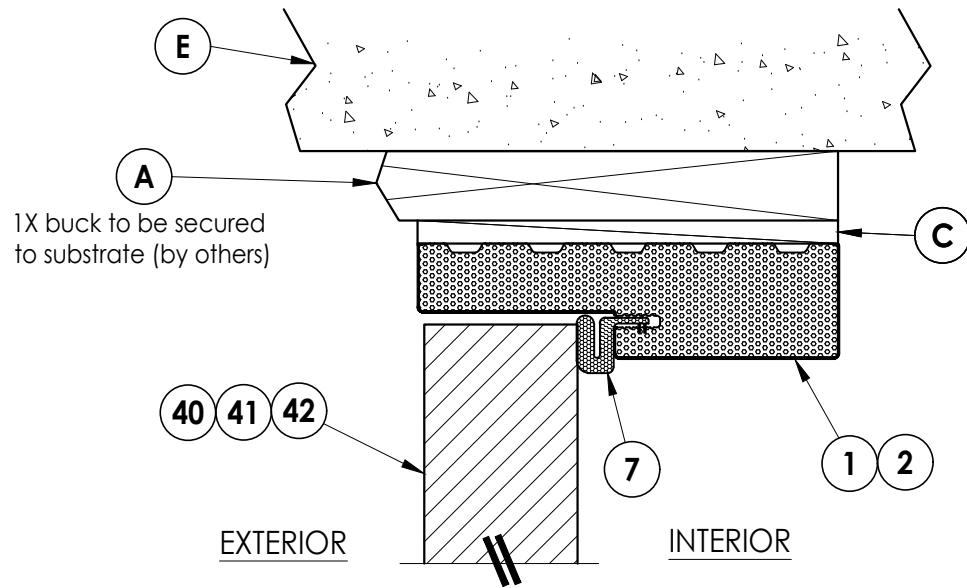
5 Shown w/ 2X Buck  
Outswing shown (Inswing similar)

[illegible]

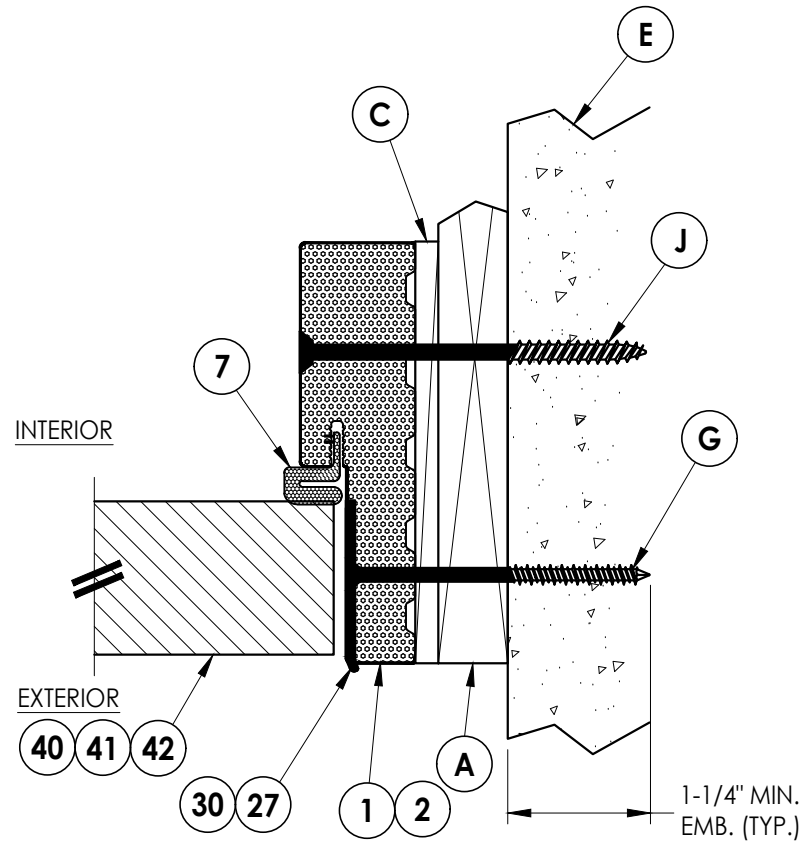
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**2 HORIZONTAL CROSS SECTION**  
Shown w/ 1X sub-buck  
Outswing shown (Inswing similar)



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



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

| PRODUCT:          |         | THERMA-TRU<br>FIBERGLASS DOOR                     |           |
|-------------------|---------|---------------------------------------------------|-----------|
| PART OR ASSEMBLY: |         | HORIZONTAL & VERTICAL<br>CROSS SECTIONS (1X BUCK) |           |
| NO.               | DATE    | BY                                                | REVISIONS |
|                   |         |                                                   |           |
| 1                 | 7/03/26 | UPDATE TO 9TH ED. (2026)                          | FBC LFS   |

DATE: 6/17/24

SCALE: N.T.S.

DWG. BY: LFS

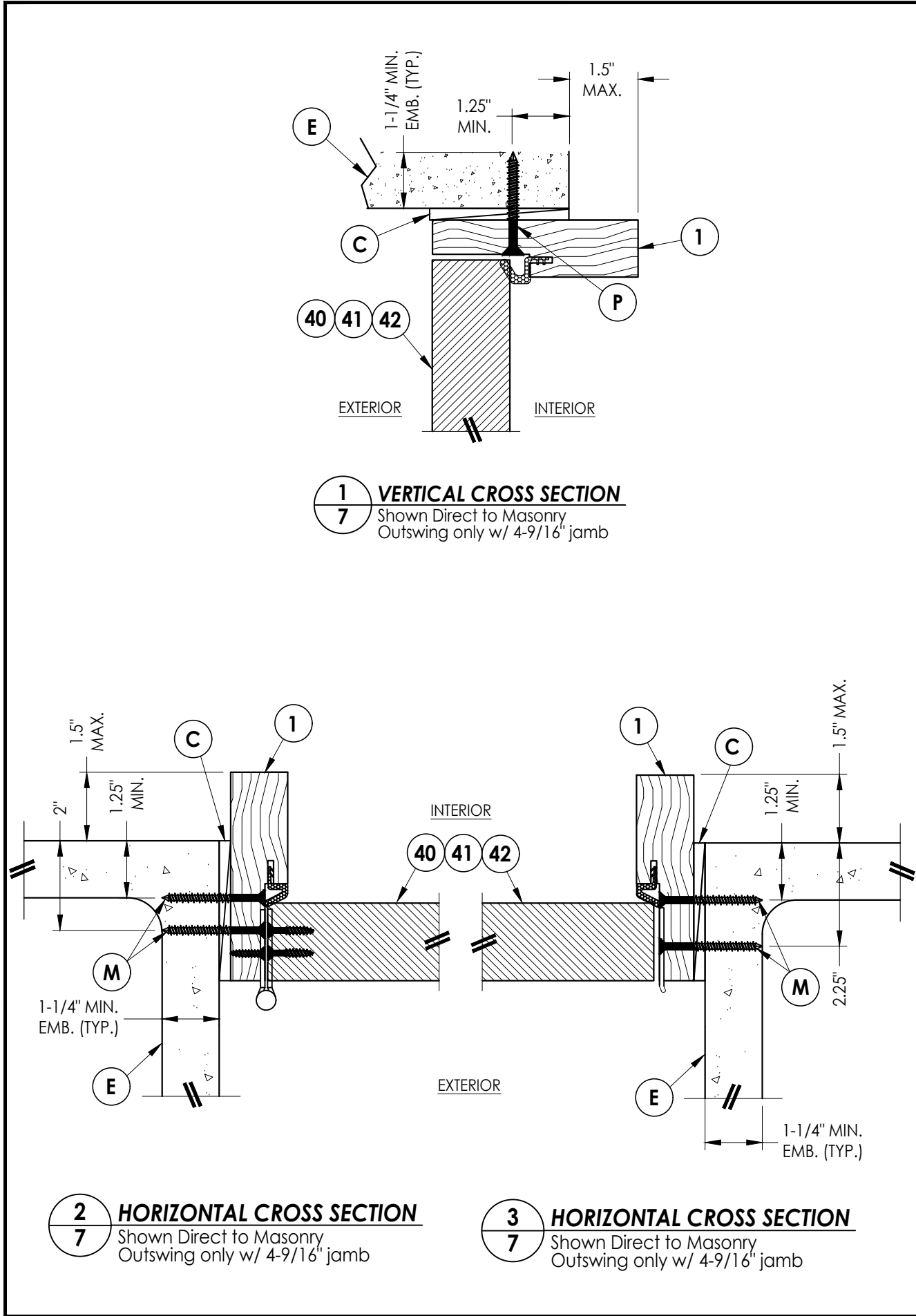
CHK. BY: RW

DRAWING NO.:  
FL-46832.1

SHEET 6 OF 11

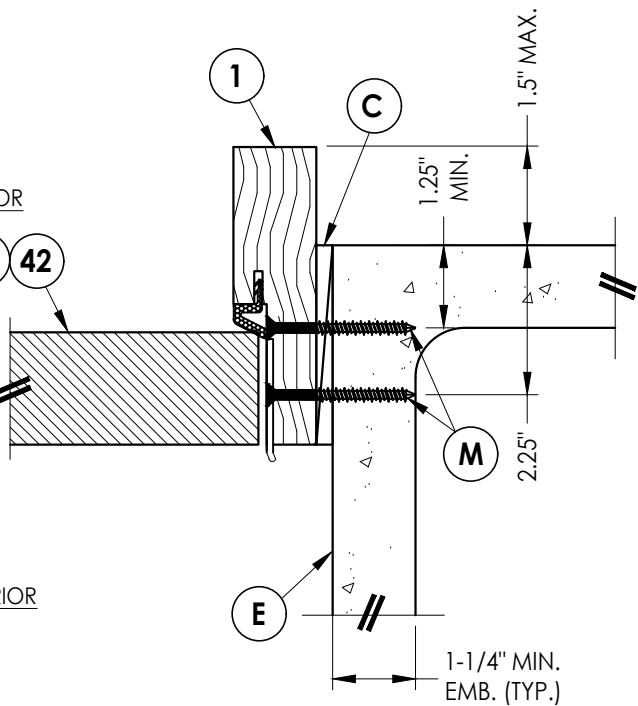
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

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FBPE Registry No. 9813

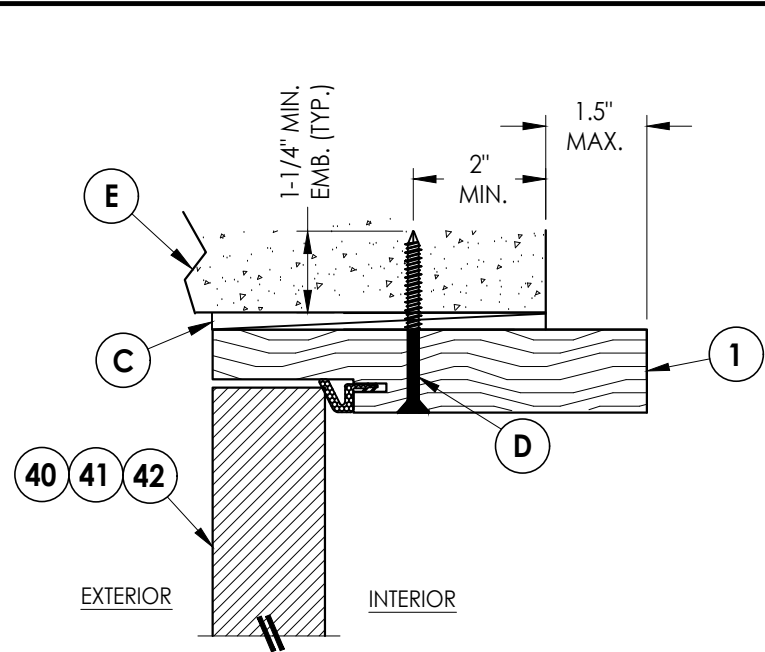


## 2 HORIZONTAL CROSS SECTION

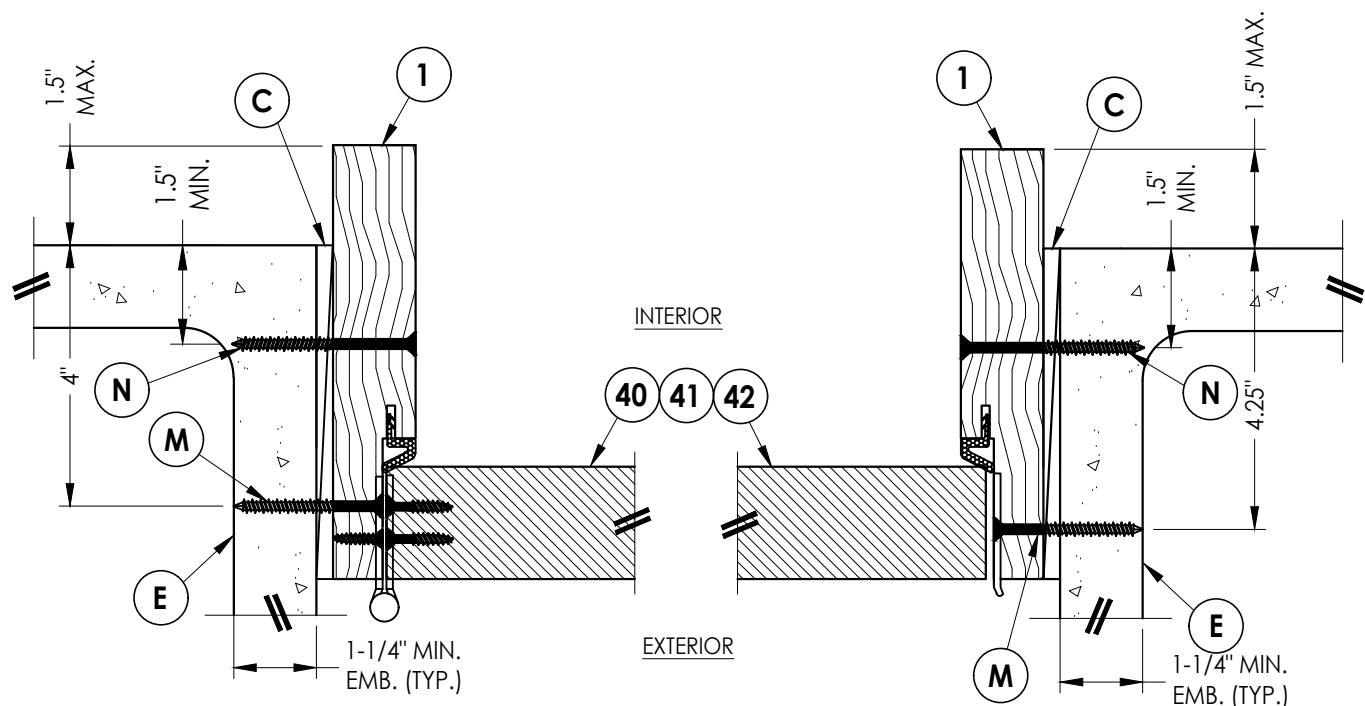
7 Shown Direct to Masonry  
Outswing only w/ 4-9/16" jamb



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

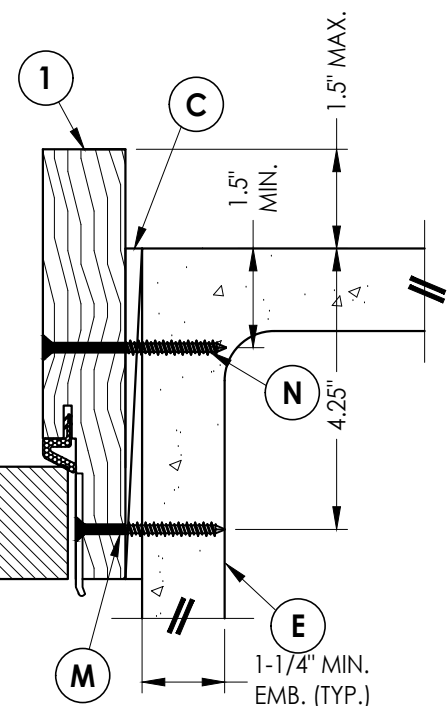


**4** **VERTICAL CROSS SECTION**  
**7** Shown Direct to Masonry  
 Outswing only w/ 6-9/16" jamb



## 5 HORIZONTAL CROSS SECTION

### 7 Shown Direct to Masonry Outswing only w/ 6-9/16" jamb



## 6 HORIZONTAL CROSS SECTION

|  |  |  |  |  |  |  |  |  |  |                                                                                                                        |  |
|--|--|--|--|--|--|--|--|--|--|------------------------------------------------------------------------------------------------------------------------|--|
|  |  |  |  |  |  |  |  |  |  | Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409                                                          |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                        |  |
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|  |  |  |  |  |  |  |  |  |  | BUILDING CONSULTANTS, INC.<br><br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                        |  |
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|  |  |  |  |  |  |  |  |  |  |                                                                                                                        |  |
|  |  |  |  |  |  |  |  |  |  | PART OR ASSEMBLY:<br><br>HORIZONTAL & VERTICAL<br>SECTIONS (DIRECT TO MASONRY)                                         |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                        |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                        |  |
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|  |  |  |  |  |  |  |  |  |  | REVISIONS                                                                                                              |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                        |  |
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|  |  |  |  |  |  |  |  |  |  | DATE: 6/17/24<br>SCALE: N.T.S.<br>DWG. BY: LFS<br>CHK. BY: RW<br>DRAWING NO.: FL-46832.1<br>SHEET 7 OF 11              |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                        |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                        |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                        |  |
|  |  |  |  |  |  |  |  |  |  |                                                                                                                        |  |

1. Sill Item #32, #43-48 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.  
Sill Item #33 is attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.  
Sill Item #34 is attached to jambs utilizing (2) #10 X 2" pph SMS at each end.



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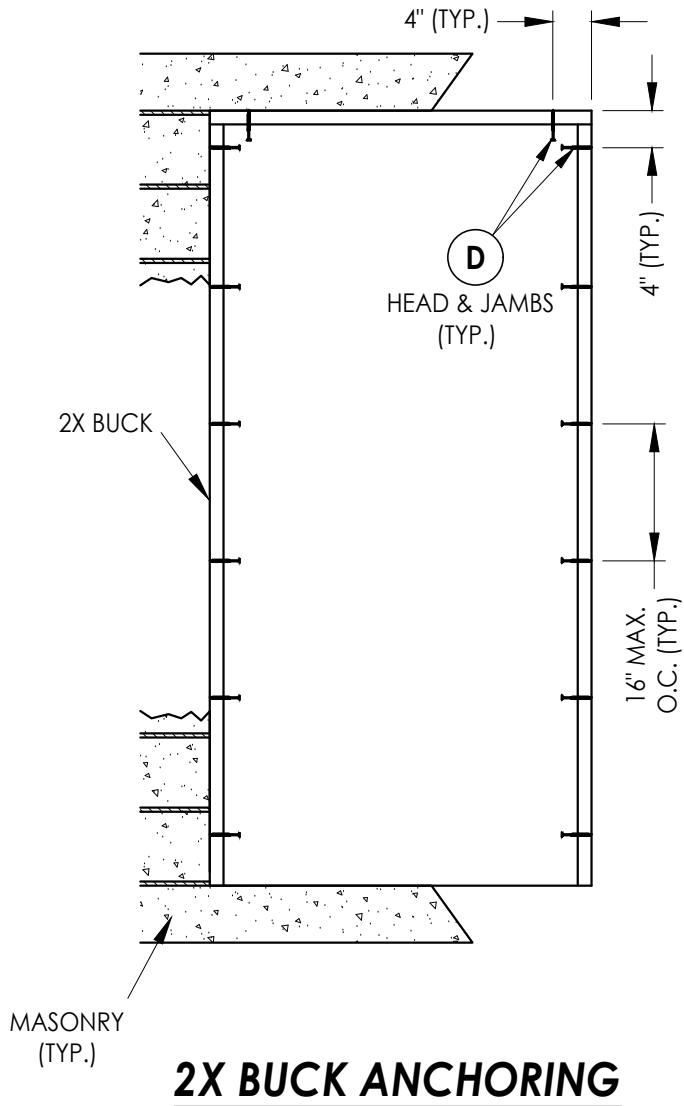
OR ASSEMBLY:  
VERTICAL CROSS  
SECTIONS (THRESHOLDS)

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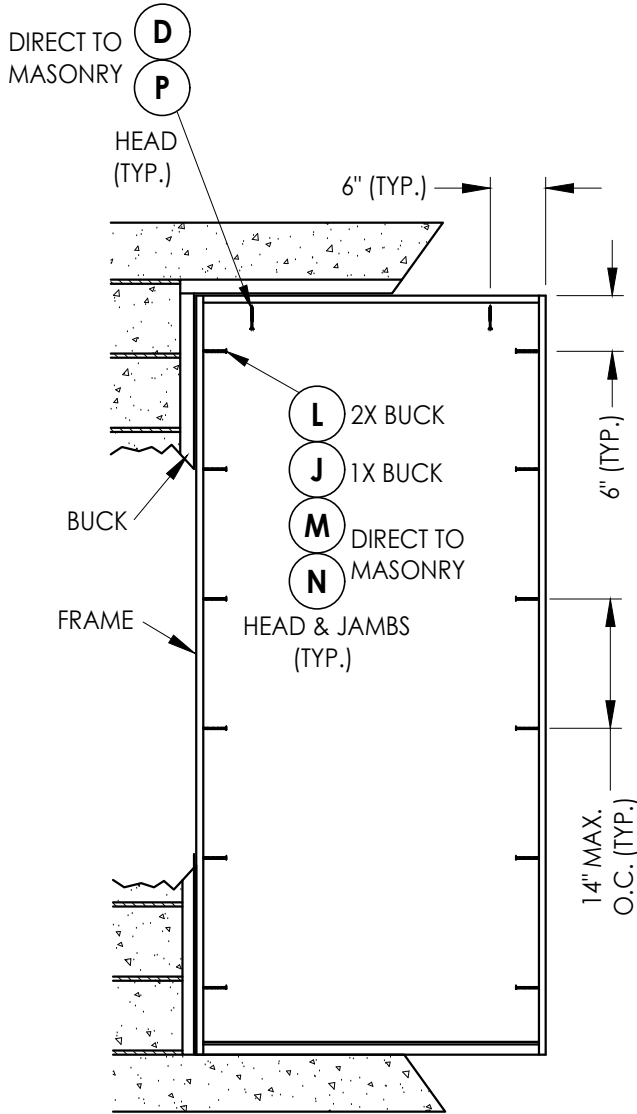
FL-46832.1

SHEET 8 OF 11

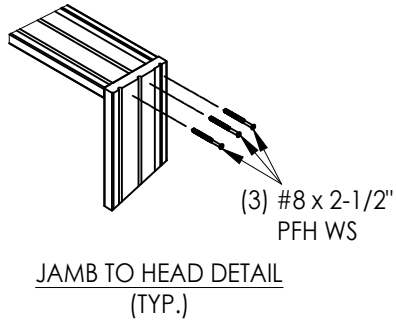
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**2X BUCK ANCHORING**

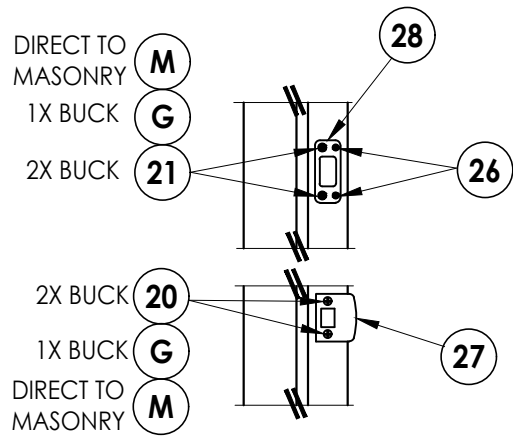


**FRAME ANCHORING**



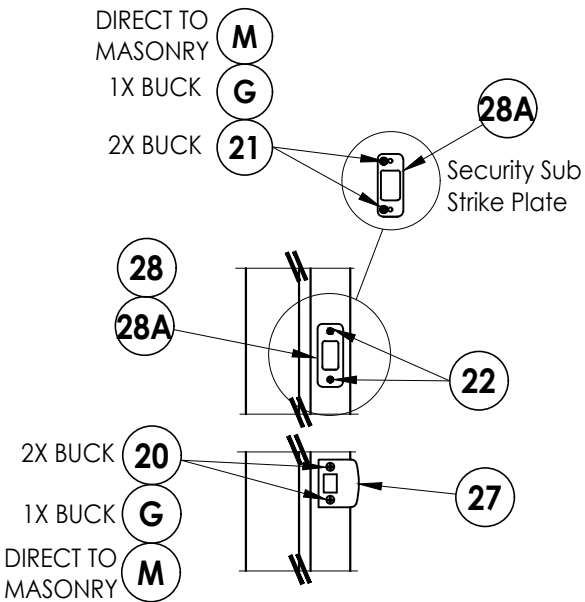
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| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409 |  |  |  | RW BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |         |                          |     |
| PRODUCT:<br>THERMA-TRU<br>FIBERGLASS DOOR                     |  |  |  | PART OR ASSEMBLY:<br>BUCK & FRAME ANCHORING                                                                           |         |                          |     |
|                                                               |  |  |  | REVISIONS                                                                                                             |         |                          |     |
|                                                               |  |  |  | 1                                                                                                                     | 7/03/26 | UPDATE TO 9TH ED. (2026) | FBC |
|                                                               |  |  |  | NO.                                                                                                                   | DATE    |                          | BY  |
|                                                               |  |  |  |                                                                                                                       |         |                          |     |
| DATE: 6/17/24                                                 |  |  |  |                                                                                                                       |         |                          |     |
| SCALE: N.T.S.                                                 |  |  |  |                                                                                                                       |         |                          |     |
| DWG. BY: LFS                                                  |  |  |  |                                                                                                                       |         |                          |     |
| CHK. BY: RW                                                   |  |  |  |                                                                                                                       |         |                          |     |
| DRAWING NO.: FL-46832.1                                       |  |  |  |                                                                                                                       |         |                          |     |
| SHEET 9 OF 11                                                 |  |  |  |                                                                                                                       |         |                          |     |

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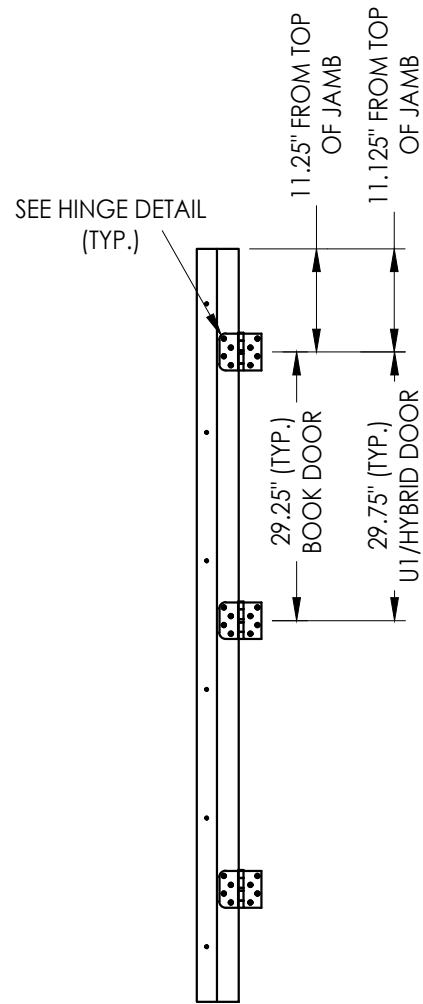
LATCH & DEADBOLT DETAIL

Kwikset

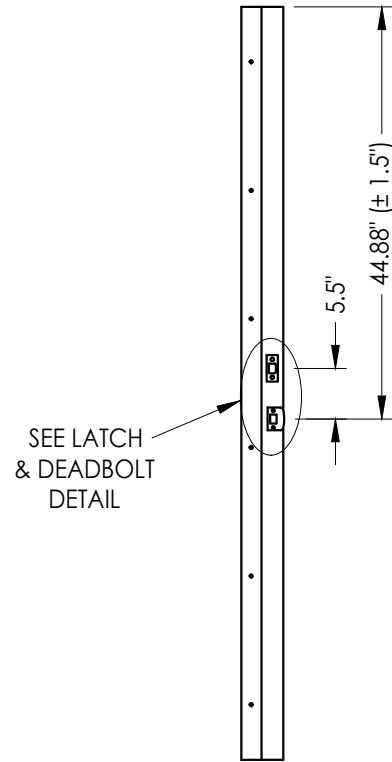


LATCH & DEADBOLT DETAIL

Schlage

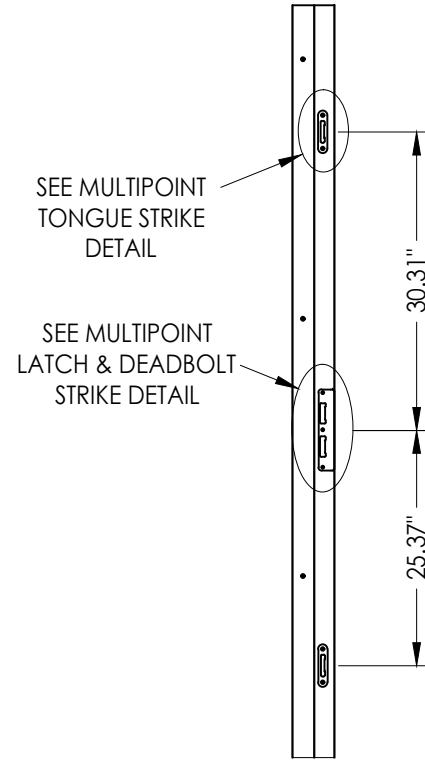


HINGE JAMB



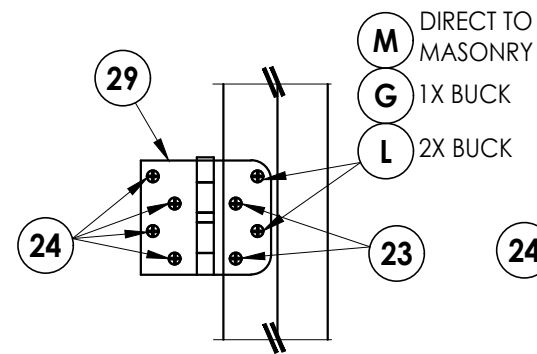
STRIKE JAMB

Latch & Deadbolt



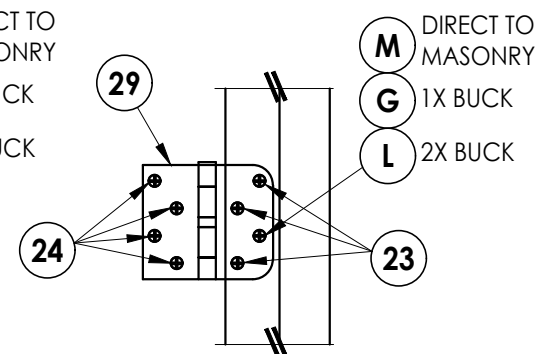
STRIKE JAMB

Multipoint Lock



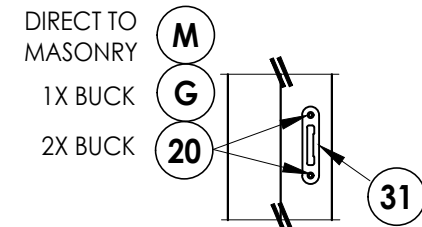
HINGE DETAIL

Inswing

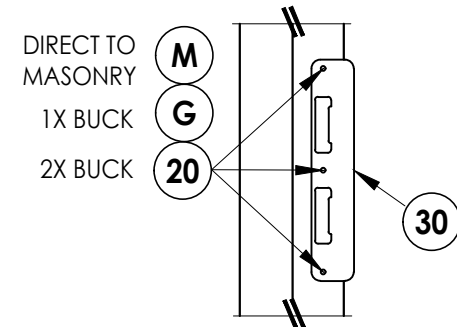


HINGE DETAIL

Outswing



MULTIPOINT TONGUE STRIKE PLATE DETAIL



MULTIPOINT LATCH & DEADBOLT STRIKE PLATE DETAIL

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

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PRODUCT: THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
HARDWARE DETAILS

| REVISIONS                           |         |
|-------------------------------------|---------|
| NO.                                 | DATE    |
| 1                                   | 7/03/26 |
| UPDATE TO 9TH ED. (2026) FBC LFS BY |         |

DATE: 6/17/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

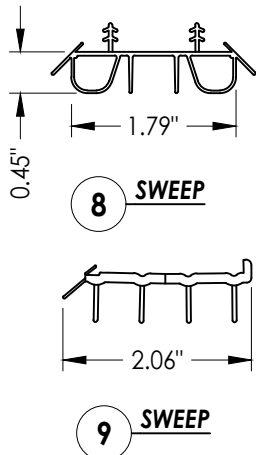
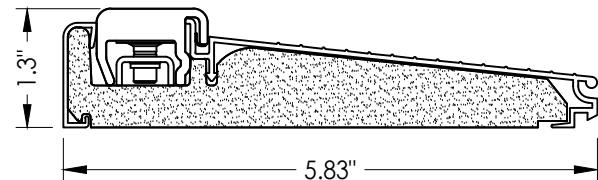
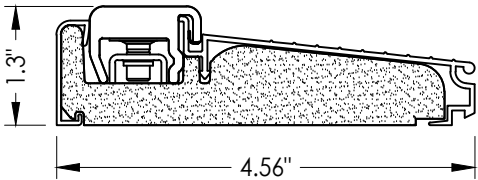
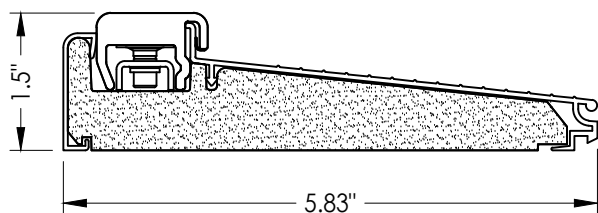
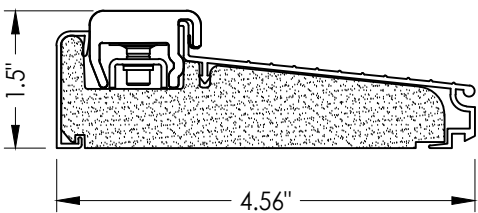
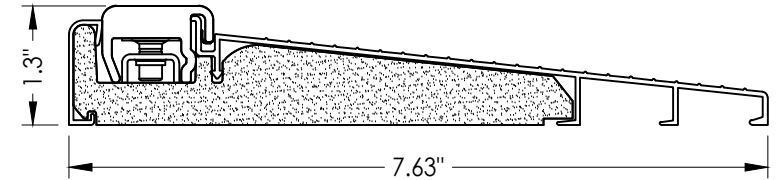
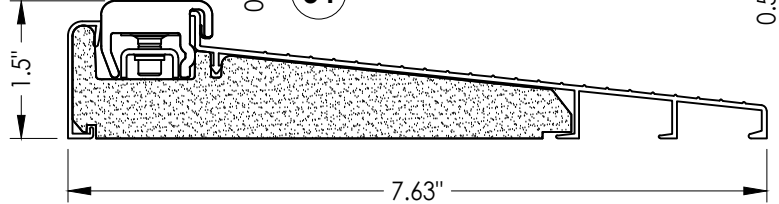
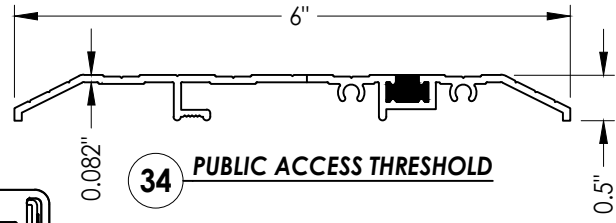
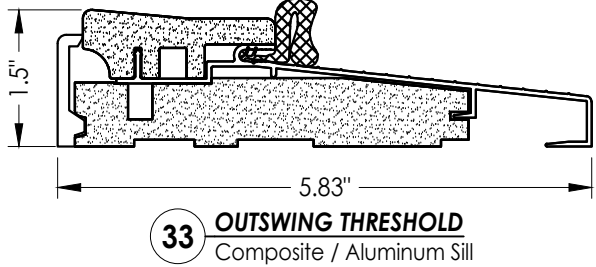
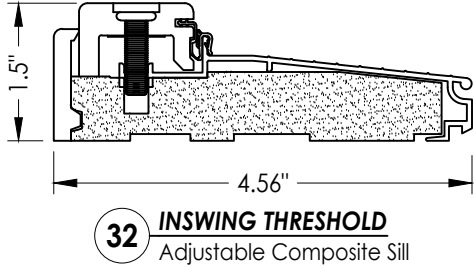
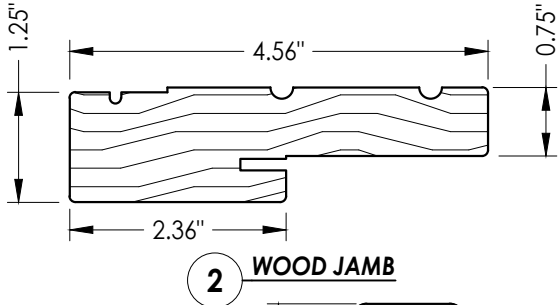
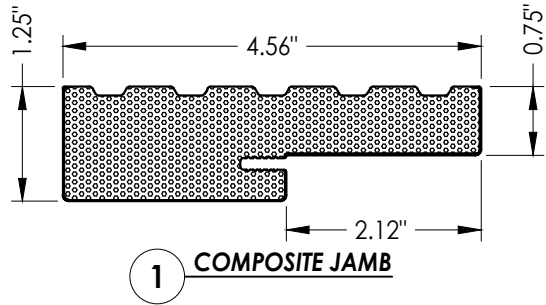
FL-46832.1

SHEET 10 OF 11

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| BILL OF MATERIALS |                                                                                                |          |
|-------------------|------------------------------------------------------------------------------------------------|----------|
| ITEM #            | DESCRIPTION                                                                                    | MATERIAL |
| A                 | 1X BUCK (G >= 0.42)                                                                            | WOOD     |
| B                 | 2X BUCK (G >= 0.42)                                                                            | WOOD     |
| C                 | 1/4" MAX. SHIM SPACE                                                                           | -        |
| D                 | 1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL    |
| E                 | MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90 | CONCRETE |
| F                 | #10 X 2" PFH WOOD SCREW                                                                        | STEEL    |
| G                 | 3/16" X 3-1/4" PFH ITW CONCRETE SCREW                                                          | STEEL    |
| J                 | 1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL    |
| L                 | #10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)                                             | STEEL    |
| M                 | 3/16" X 2-1/4" ITW CONCRETE SCREW                                                              | STEEL    |
| N                 | 3/16" X 2-3/4" ITW CONCRETE SCREW                                                              | STEEL    |
| P                 | 1/4" X 2-3/4" PFH ELCO CONCRETE SCREW                                                          | STEEL    |
| 1                 | COMPOSITE JAMB                                                                                 | COMP     |
| 2                 | WOOD JAMB (FINGER JOINT PINE)                                                                  | WOOD     |
| 7                 | WEATHERSTRIP                                                                                   | FOAM     |
| 8                 | DOOR SWEEP                                                                                     | VINYL    |
| 9                 | SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)                                                         | VINYL    |
| 20                | #8 X 2-1/2" PFH WOOD SCREW                                                                     | STEEL    |
| 21                | #12 X 2-1/2" PFH WOOD SCREW                                                                    | STEEL    |
| 22                | #8 X 3/4" PFH WOOD SCREW                                                                       | STEEL    |
| 23                | #9 X 3/4" PFH WOOD SCREW                                                                       | STEEL    |
| 24                | #9 X 1" PFH WOOD SCREW                                                                         | STEEL    |

| BILL OF MATERIALS |                                          |           |
|-------------------|------------------------------------------|-----------|
| ITEM #            | DESCRIPTION                              | MATERIAL  |
| 26                | #8 X 5/8" PFH WOOD SCREW                 | STEEL     |
| 27                | LATCH STRIKE PLATE                       | STEEL     |
| 28                | DEADBOLT STRIKE PLATE                    | STEEL     |
| 28A               | DEADBOLT SUB-STRIKE PLATE                | STEEL     |
| 29                | 4" X 4" HINGE                            | STEEL     |
| 30                | MULTIPOINT LATCH & DEADBOLT STRIKE PLATE | STEEL     |
| 31                | MULTIPOINT TONGUE STRIKE PLATE           | STEEL     |
| 32                | INSWING THRESHOLD                        | ALUM/COMP |
| 33                | OUTSWING THRESHOLD                       | ALUM/COMP |
| 34                | PUBLIC ACCESS THRESHOLD                  | ALUM      |
| 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 |



**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:**
- 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                       | AS SHOWN                          |

- 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.

Documents Prepared By:  
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Certificate Of Authorization No. 9813

PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
BILL OF MATERIALS  
& COMPONENTS

| NO. | DATE    | REVISIONS                    |
|-----|---------|------------------------------|
| 1   | 7/03/26 | UPDATE TO 9TH ED. (2026) FBC |

DATE: 6/17/24  
SCALE: N.T.S.  
DWG. BY: LFS  
CHK. BY: RW  
DRAWING NO.: FL-46832.1  
SHEET 11 OF 11