

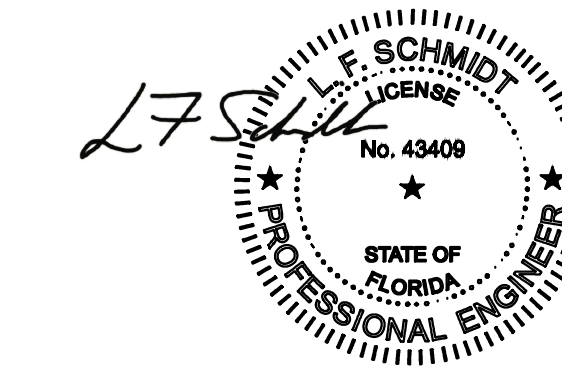


**OPAQUE FIBERGLASS  
SINGLE DOOR  
INSWING / OUTSWING  
"IMPACT"**

## 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 includes Wind Zone 3 as defined in ASTM E 1996.
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.

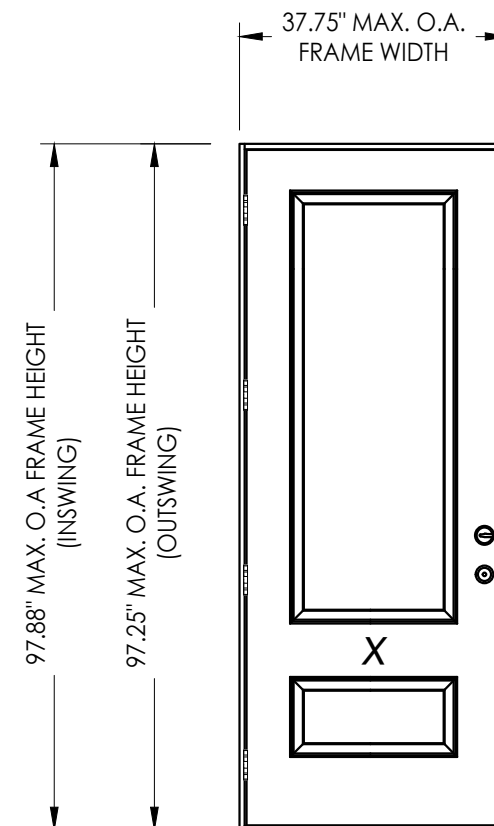
| TABLE OF CONTENTS |                                                          |
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| SHEET#            | DESCRIPTION                                              |
| 1                 | Typical elevations, design pressures & general notes     |
| 2                 | Door panel details                                       |
| 3                 | Horizontal & vertical cross sections (2x buck)           |
| 4                 | Horizontal & vertical cross sections (1x buck)           |
| 5                 | Horizontal & vertical cross sections (Direct to Masonry) |
| 6                 | Vertical cross sections                                  |
| 7                 | Buck & frame anchoring                                   |
| 8                 | Bill of materials & Components                           |



Digitally signed by  
Lyndon F Schmidt  
Date: 2026.09.15  
07:34:55 -04'00'

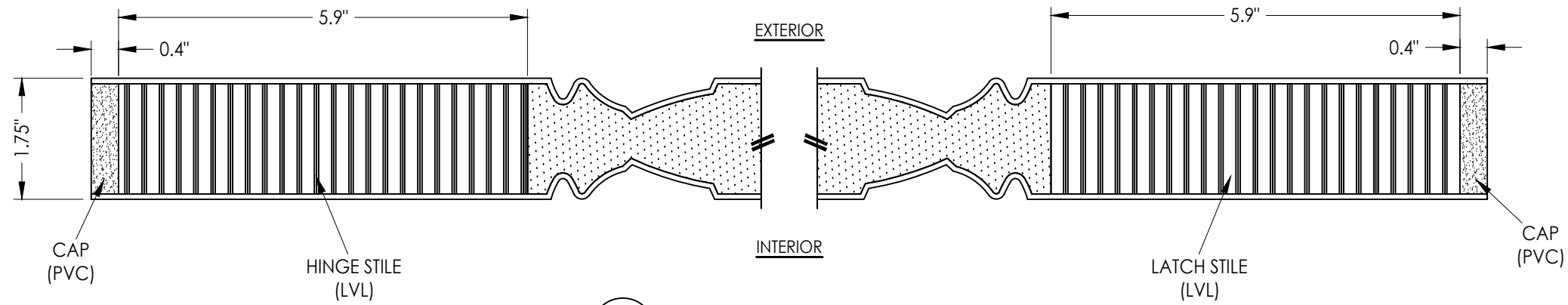
This item has been digitally signed and sealed by  
**L. F. Schmidt, P.E.** on the date adjacent to the seal.  
Printed copies of this document are not  
considered signed and sealed and the signature  
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID  
ONLY FOR THE STATE OF FLORIDA

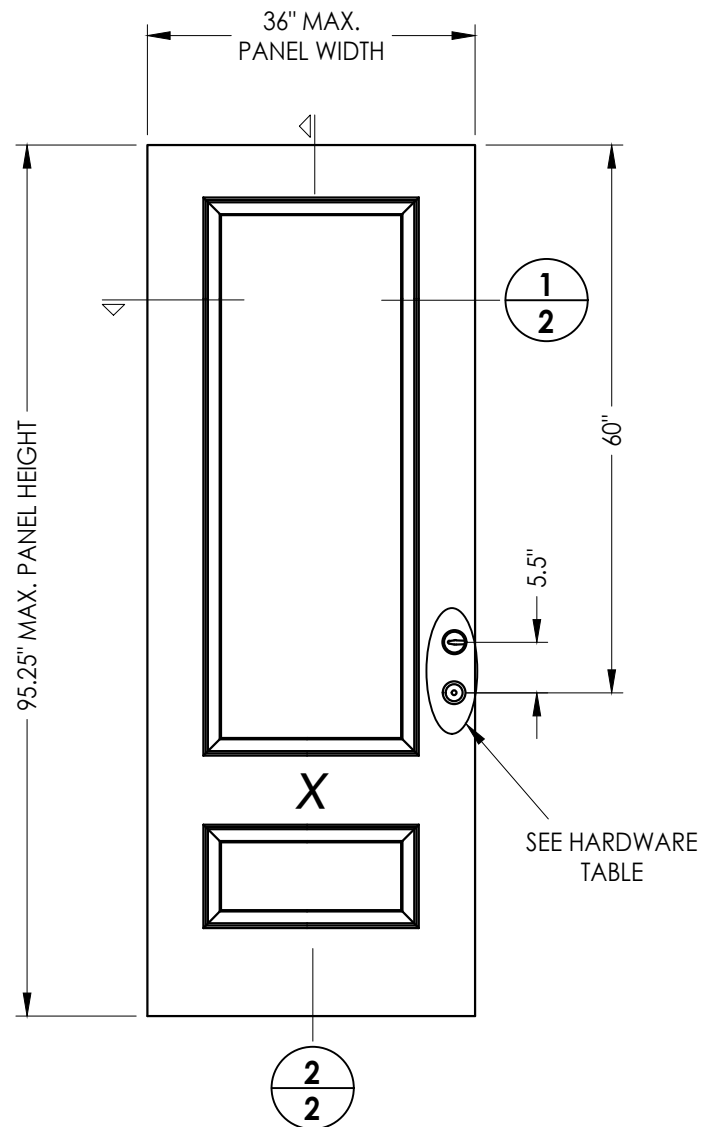


| CONFIGURATION | DESIGN PRESSURE (PSF)<br>IN SWING |          | DESIGN PRESSURE (PSF)<br>OUT SWING |          |
|---------------|-----------------------------------|----------|------------------------------------|----------|
|               | POSITIVE                          | NEGATIVE | POSITIVE                           | NEGATIVE |
| X             | +60.0                             | -65.0    | +60.0                              | -60.0    |

|                        |         |                                                                                                                        |           |
|------------------------|---------|------------------------------------------------------------------------------------------------------------------------|-----------|
| DATE: 9/18/24          |         | SHEET 1 OF 8                                                                                                           |           |
| SCALE: N.T.S.          |         | DRAWING NO.: FL-39764.6                                                                                                |           |
| DWG. BY: LFS           |         | CHK. BY: RW                                                                                                            |           |
| NO. DATE               |         | DRAWING NO.                                                                                                            |           |
| 1                      | 9/01/26 | UPDATE TO 9TH ED. (2026)                                                                                               | FBC       |
|                        |         |                                                                                                                        | LFS       |
|                        |         |                                                                                                                        | BY        |
|                        |         |                                                                                                                        | REVISIONS |
|                        |         |                                                                                                                        |           |
|                        |         |                                                                                                                        |           |
|                        |         |                                                                                                                        |           |
| PRODUCT:               |         | GLASSCRAFT DOOR CO.                                                                                                    |           |
| PART OR ASSEMBLY:      |         | TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES                                                                    |           |
| Documents Prepared By: |         | 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 Registration No. 9813 |           |



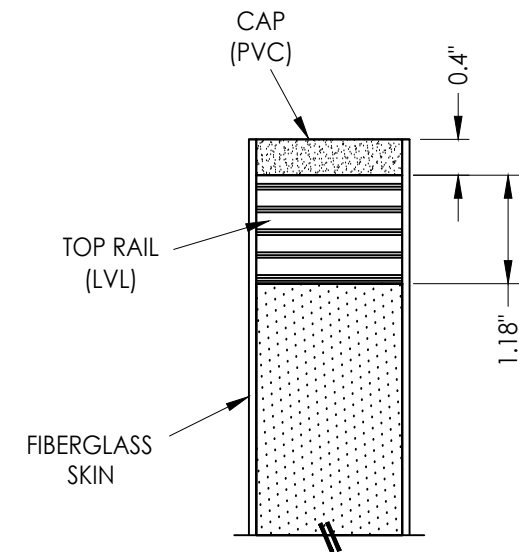
## 1 HORIZONTAL CROSS SECTION



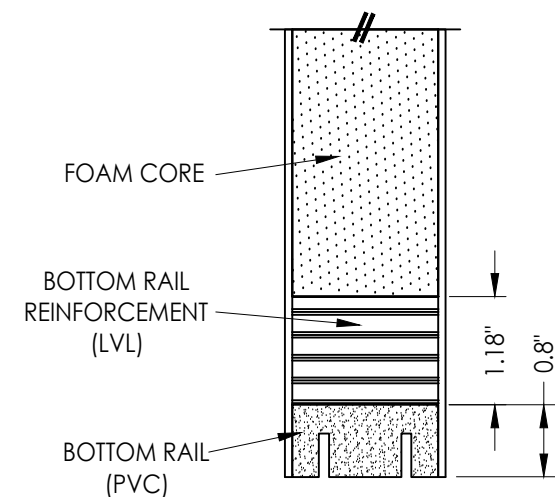
## 40 FIBERGLASS DOOR PANEL

DOOR SKIN: 0.080" MIN. THK. FIBERGLASS  
CORE MATERIAL: POLYURETHANE FOAM

| HARDWARE CHART |           |                        |
|----------------|-----------|------------------------|
| MANUFACTURER   | MODEL     |                        |
| Kwikset        | Knob:     | Signature Series       |
|                | Deadbolt: | Signature Series (980) |
| Schlage        | Knob:     | F Series               |
|                | Deadbolt: | B60 Series             |



EXTERIOR INTERIOR



**2 VERTICAL CROSS SECTION**

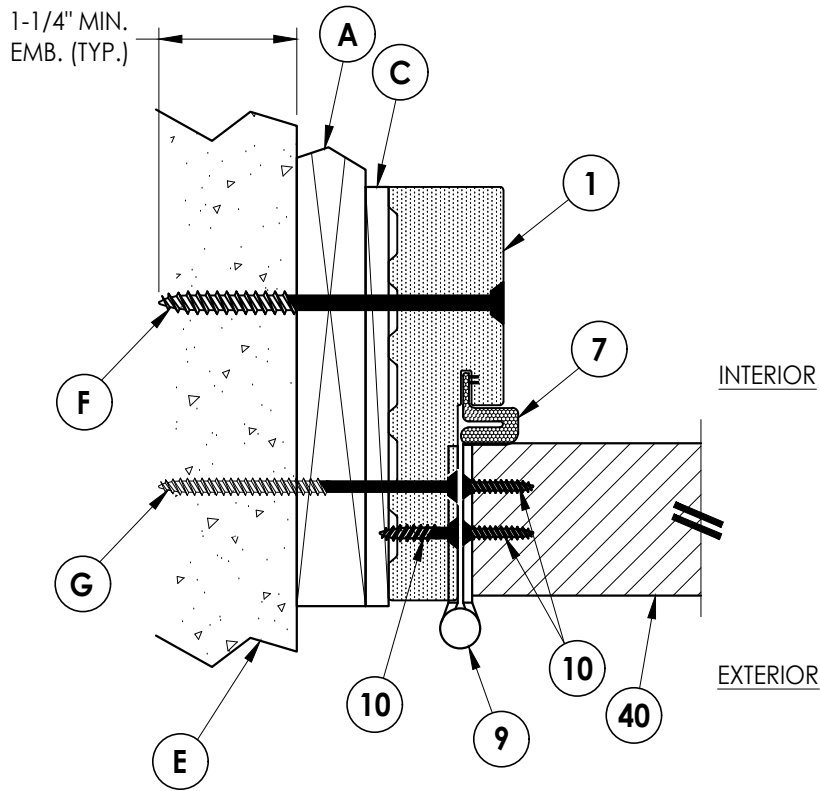
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Lyndon F. Schmidt  
P.E. No. 43409

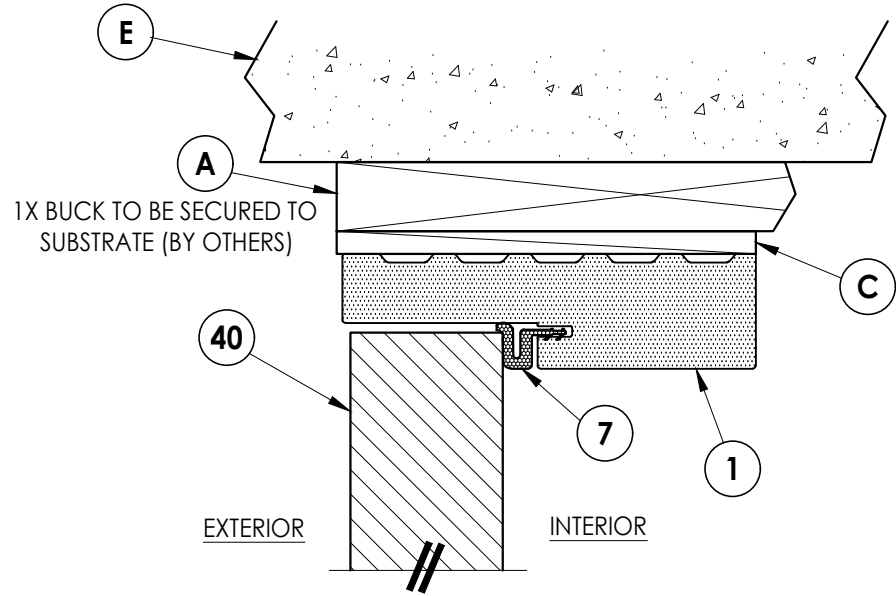
**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33339  
Phone No.: 813.659.9197  
FBPE Registry No. 9813



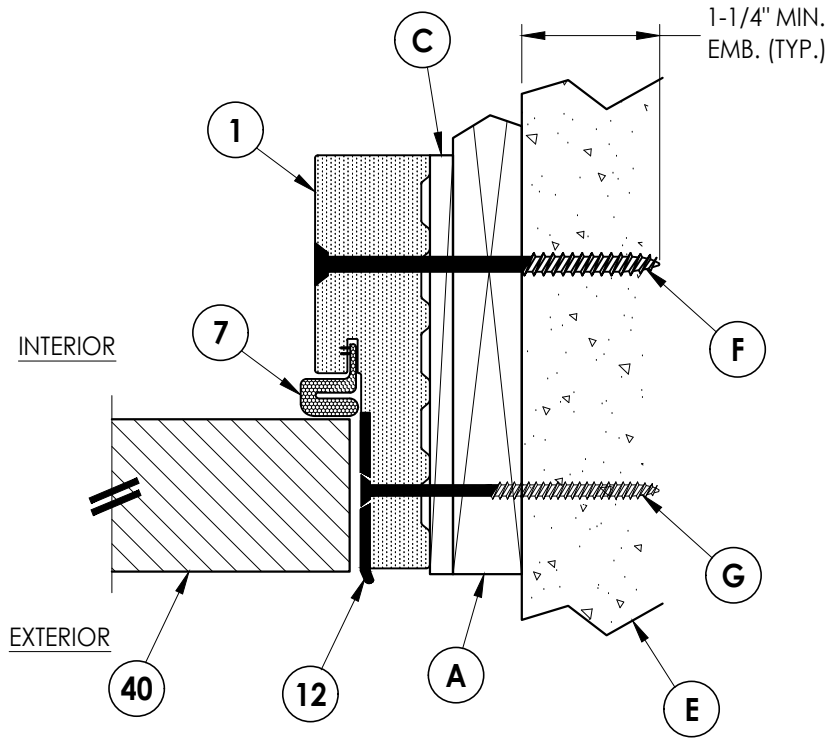
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**1**  
**4** **HORIZONTAL CROSS SECTION**  
Outswing shown - Inswing also approved

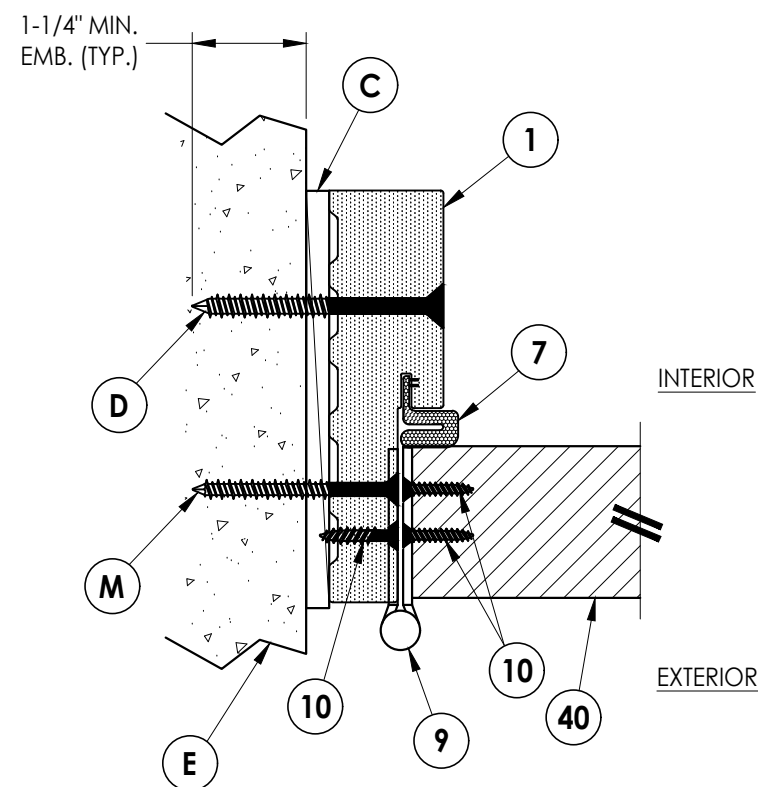


**2**  
**4** **VERTICAL CROSS SECTION**  
Outswing shown - Inswing also approved

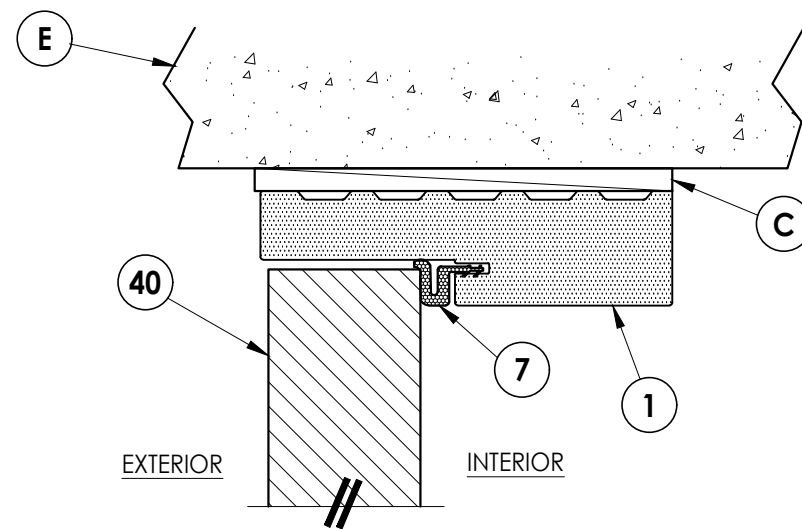


**3**  
**4** **HORIZONTAL CROSS SECTION**  
Outswing shown - Inswing also approved

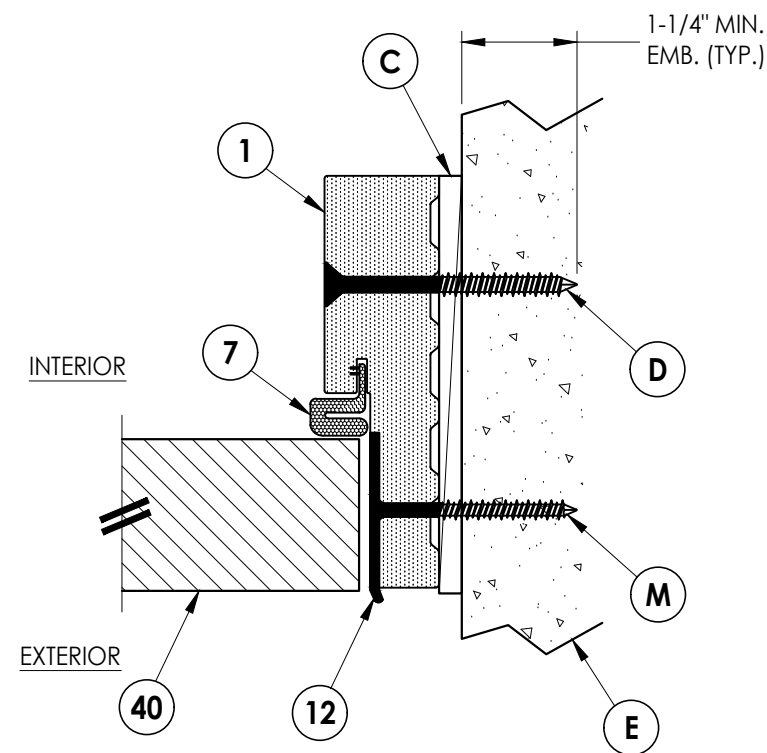
|                                                               |  |                                                                                                                    |                |
|---------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|----------------|
| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409 |  | BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |                |
| PRODUCT:<br>GLASSCRAFT DOOR CO.                               |  | PART OR ASSEMBLY:<br>HORIZONTAL AND VERTICAL<br>CROSS SECTIONS (1X BUCK)                                           |                |
|                                                               |  | REVISIONS                                                                                                          |                |
|                                                               |  | NO.                                                                                                                | DATE           |
|                                                               |  | 1                                                                                                                  | 9/01/26        |
|                                                               |  | UPDATE TO                                                                                                          | 9TH ED. (2026) |
|                                                               |  | FBC                                                                                                                | LFS            |
|                                                               |  | BY                                                                                                                 | BY             |
| DATE: 9/18/24                                                 |  |                                                                                                                    |                |
| SCALE: N.T.S.                                                 |  |                                                                                                                    |                |
| DWG. BY: LFS                                                  |  |                                                                                                                    |                |
| CHK. BY: RW                                                   |  |                                                                                                                    |                |
| DRAWING NO.: FL-39764.6                                       |  |                                                                                                                    |                |
| SHEET 4 OF 8                                                  |  |                                                                                                                    |                |



**1** **HORIZONTAL CROSS SECTION**  
**5** Outswing shown - Inswing also approved



**2** **VERTICAL CROSS SECTION**  
**5** Outswing shown - Inswing also approved



**3** **HORIZONTAL CROSS SECTION**  
**5** Outswing shown - Inswing also approved

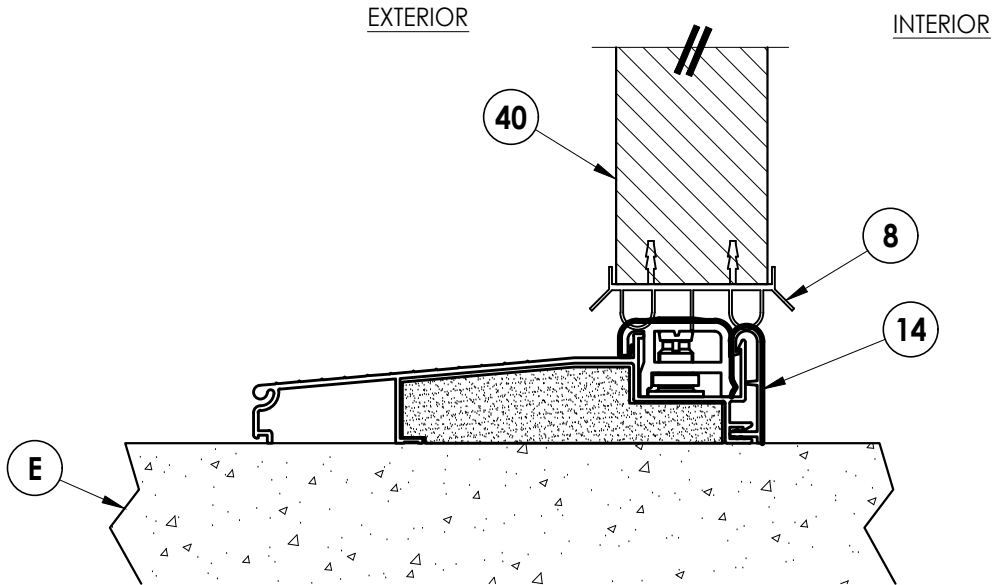
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|                   |                                                            |
|-------------------|------------------------------------------------------------|
| PRODUCT:          | GLASSCRAFT DOOR CO.                                        |
| PART OR ASSEMBLY: | HORIZONTAL AND VERTICAL CROSS SECTIONS (DIRECT TO MASONRY) |

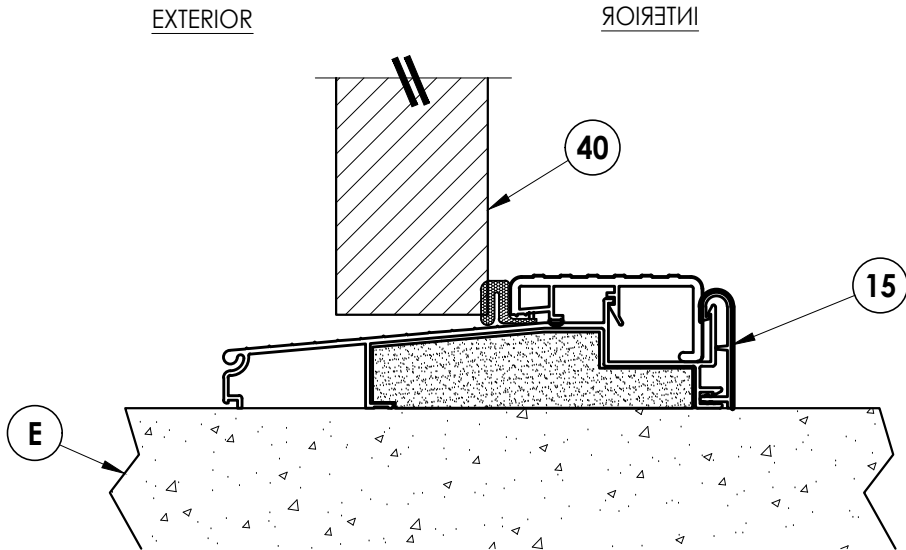
Documents Prepared By:  
Lyndon F. Schmidt  
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**1** **VERTICAL CROSS SECTION**  
**6** Inswing sill



**2** **VERTICAL CROSS SECTION**  
**6** Outswing sill

DATE: 9/18/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:  
FL-39764.6

SHEET 6 OF 8

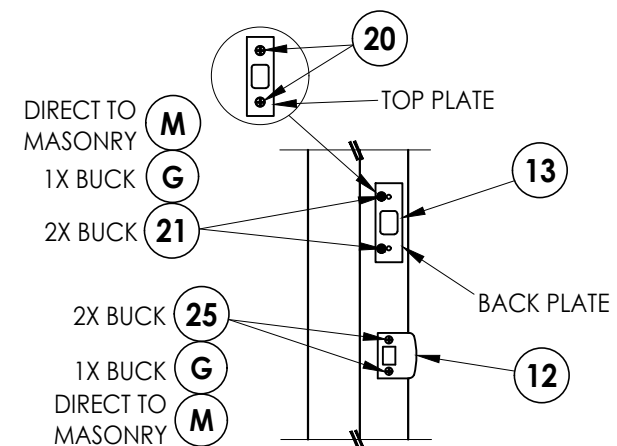
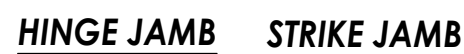
PRODUCT:  
GLASSCRAFT DOOR CO.

PART OR ASSEMBLY:  
VERTICAL CROSS SECTIONS

Documents Prepared By:  
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| NO. | DATE    | REVISIONS                    |
|-----|---------|------------------------------|
| 1   | 9/01/26 | UPDATE TO 9TH ED. (2026) FBC |
|     |         | LFS                          |
|     |         | BY                           |



## HARDWARE DETAILS

[illegible]

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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                 | 1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL     |
| G                 | 3/16" X 3-1/4" PFH ITW CONCRETE SCREW                                                          | STEEL     |
| L                 | #10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)                                                  | STEEL     |
| M                 | 3/16" X 2-1/4" PFH ITW CONCRETE SCREW                                                          | STEEL     |
| P                 | 1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL     |
| 1                 | COMPOSITE JAMB                                                                                 | COMP      |
| 7                 | WEATHERSTRIP                                                                                   | FOAM      |
| 8                 | DOOR SWEEP                                                                                     | VINYL     |
| 9                 | 4" X 4" HINGE                                                                                  | STEEL     |
| 10                | #9 X 3/4" PFH WOOD SCREW                                                                       | STEEL     |
| 12                | LATCH STRIKE PLATE                                                                             | STEEL     |
| 13                | DEADBOLT STRIKE PLATE                                                                          | STEEL     |
| 14                | INSWING THRESHOLD                                                                              | ALUM/COMP |
| 15                | OUTSWING THRESHOLD                                                                             | ALUM/COMP |
| 20                | #8 X 1/2" PFH WOOD SCREW                                                                       | STEEL     |
| 21                | #12 X 2-1/2" PFH WOOD SCREW                                                                    | STEEL     |
| 22                | #8 X 5/8" PFH MACHINE SCREW                                                                    | STEEL     |
| 25                | #8 X 2-1/2" PFH WOOD SCREW                                                                     | STEEL     |
| 40                | DOOR PANEL                                                                                     | -         |

## 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.

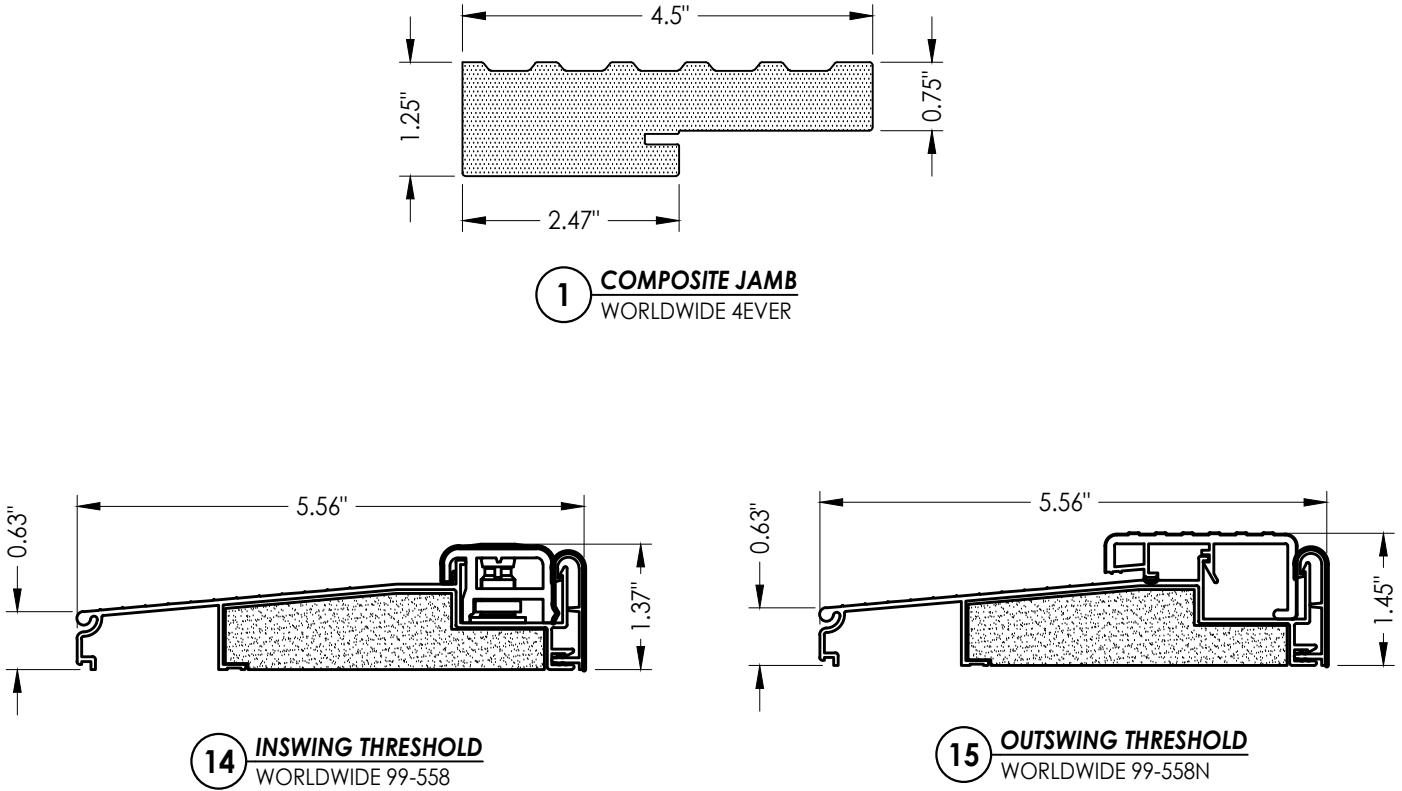
CONCRETE ANCHOR NOTES:

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 BUILDEX<br>TAPCON® | 3/16"       | 1-1/4"         | AS SHOWN                       | 1-1/2"                            |
|                        | 1/4"        | 1-1/4"         | 2"                             | 4"                                |
| DeWALT<br>ULTRA-CON®   | 1/4"        | 1-1/4"         | 1"                             | 4"                                |

### 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.

[illegible]

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