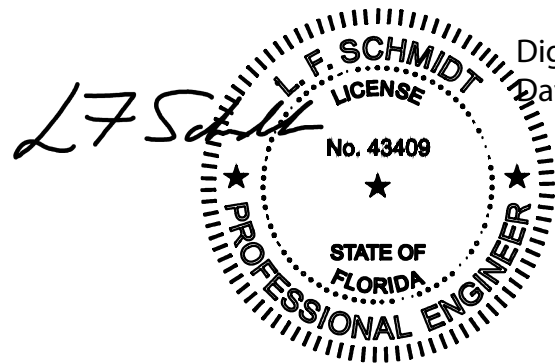




Digitally signed by Lyndon F Schmidt  
Date: 2025.02.13 16:27:46 -05'00'

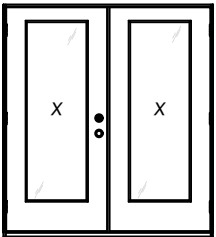
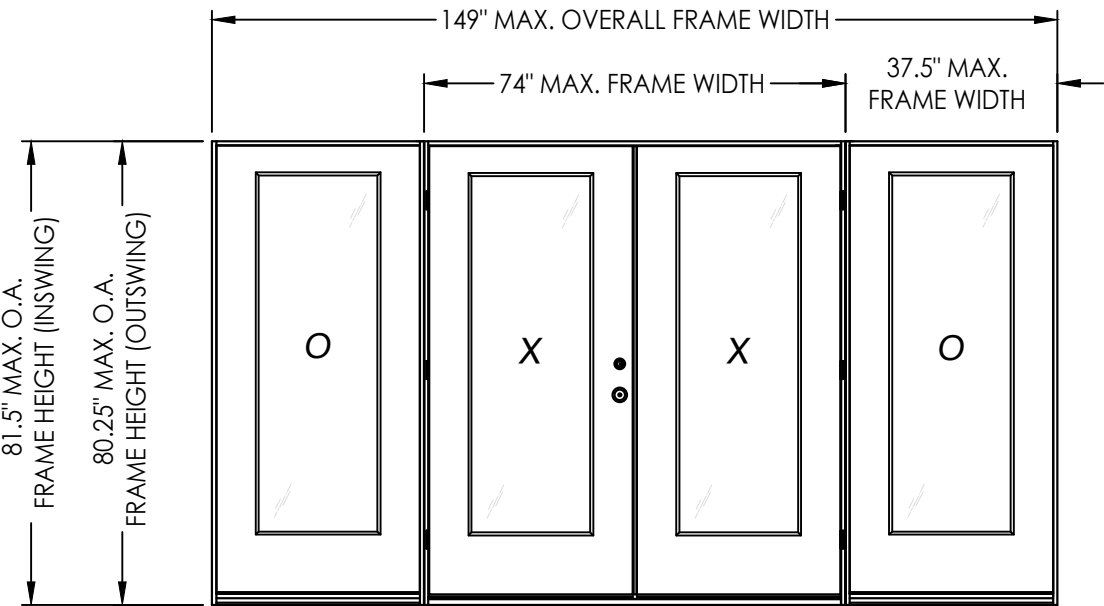
This item has been digitally signed and sealed by  
L. F. Schmidt, P.E. on the date adjacent to the seal.  
Printed copies of this document are not  
considered signed and sealed and the signature  
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID  
ONLY FOR THE STATE OF FLORIDA

**"TRADITIONAL SERIES"**  
**DIRECT GLAZED FIBERGLASS DOOR**  
**DOUBLE**  
**w/ or w/out SIDELITES**  
**INSWING/OUTSWING**  
**"NON-IMPACT"**

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) 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.
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.



XX

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

| CONFIGURATION | MAX. FRAME DIMENSION | DESIGN PRESSURE (PSF) INSWING |          | DESIGN PRESSURE (PSF) OUTSWING |          |
|---------------|----------------------|-------------------------------|----------|--------------------------------|----------|
|               |                      | POSITIVE                      | NEGATIVE | POSITIVE                       | NEGATIVE |
| XX            | 74.0" x 81.5"        | +50.0                         | -55.0    | +55.0                          | -55.0    |
| OXXO          | 149.0" x 81.5"       | +50.0                         | -55.0    | +55.0                          | -55.0    |

SEE SHEET 3 FOR GLAZING DESIGN PRESSURE LIMITATIONS

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

TKI PRODUCTS  
FIBERGLASS DOOR

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

REVISIONS

DATE: 2/12/25

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

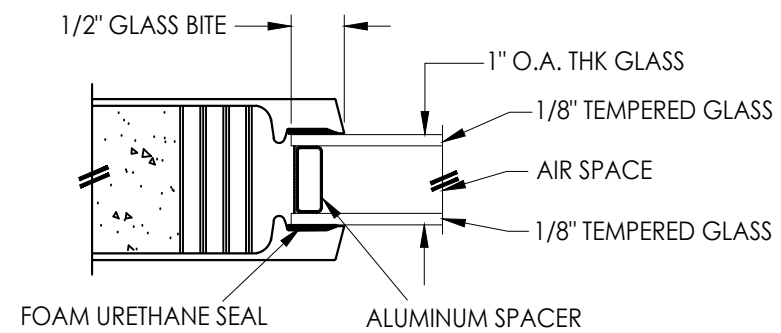
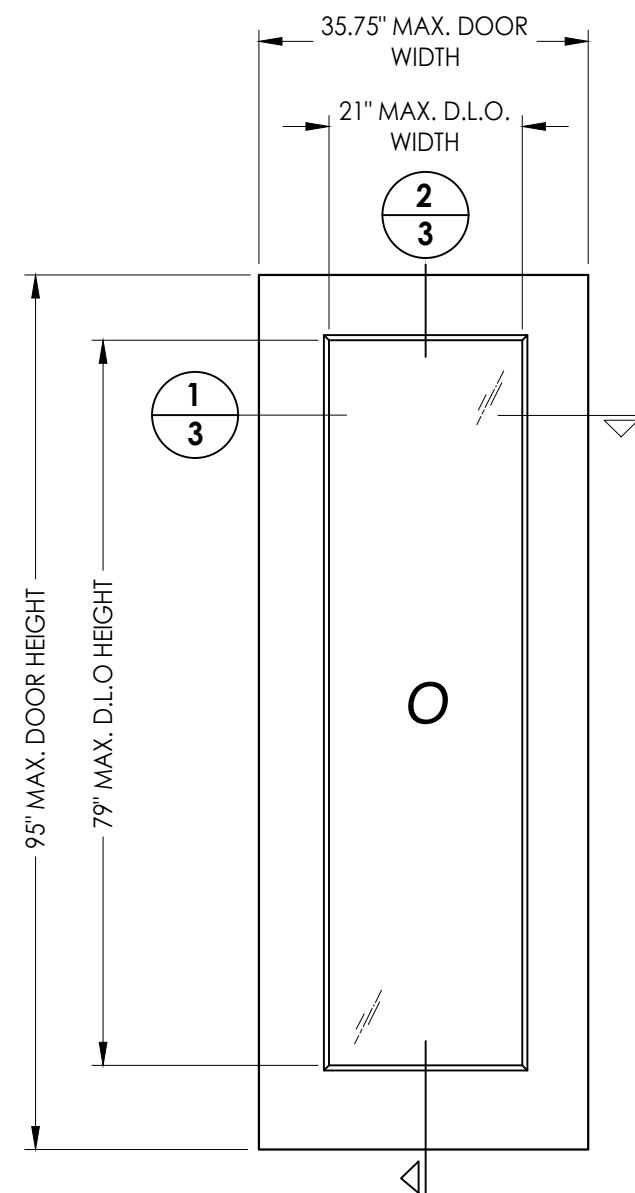
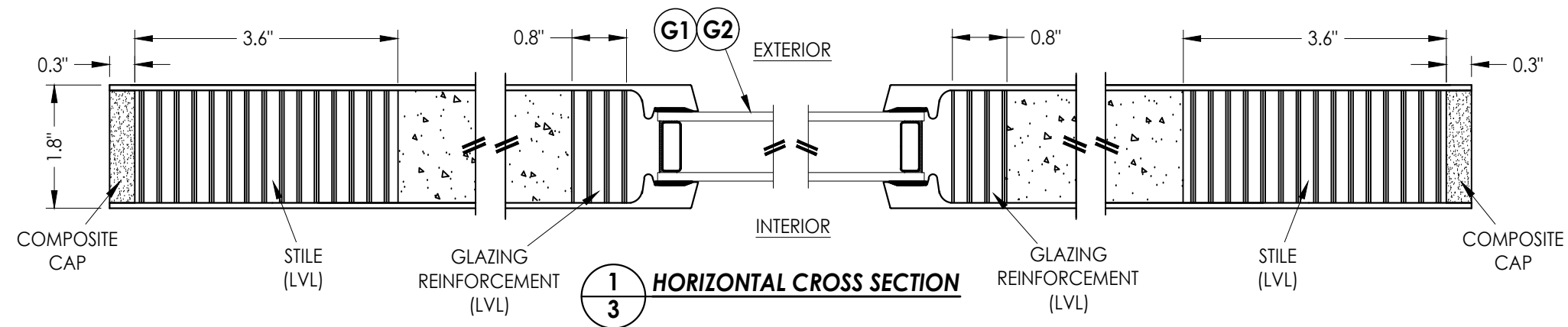
DRAWING NO.: FL-47316.3

SHEET 1 OF 12

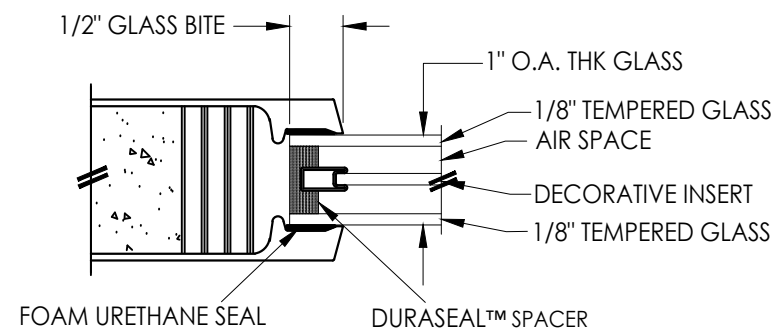
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P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813





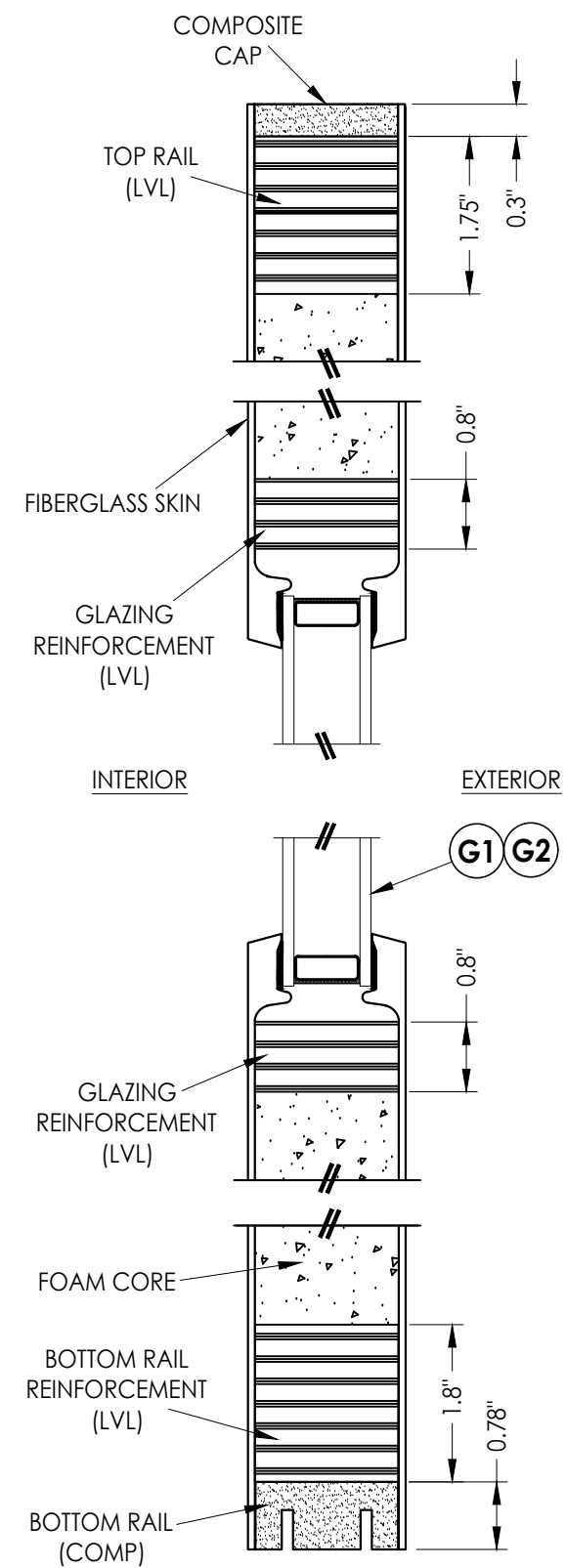
**G1** **GLAZING DETAIL**  
CLEAR GLASS



## G2 GLAZING DETAIL

### DECORATIVE GLASS

NOTE: MAXIMUM DECORATIVE GLASS  
DESIGN PRESSURE =  $\pm 45$  PSF.

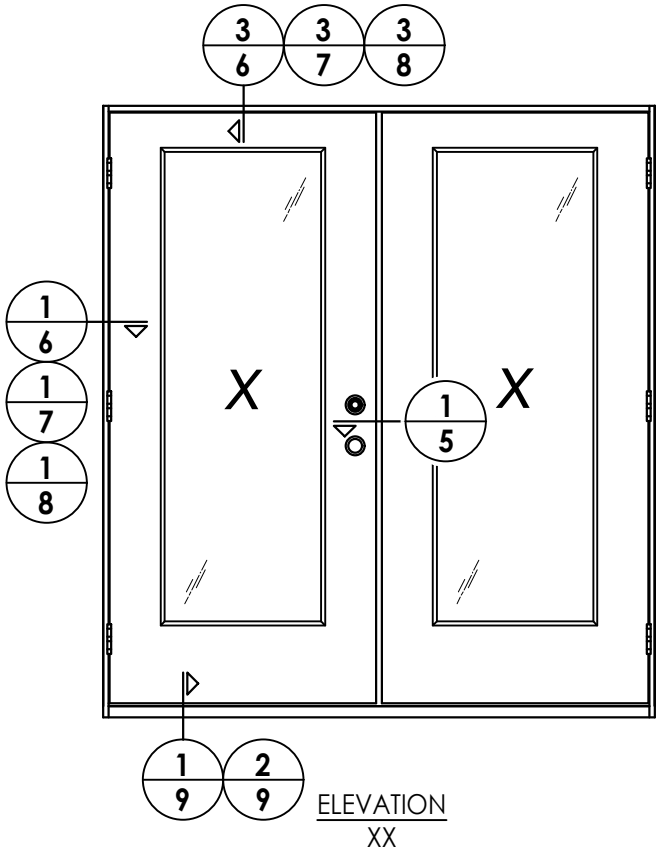
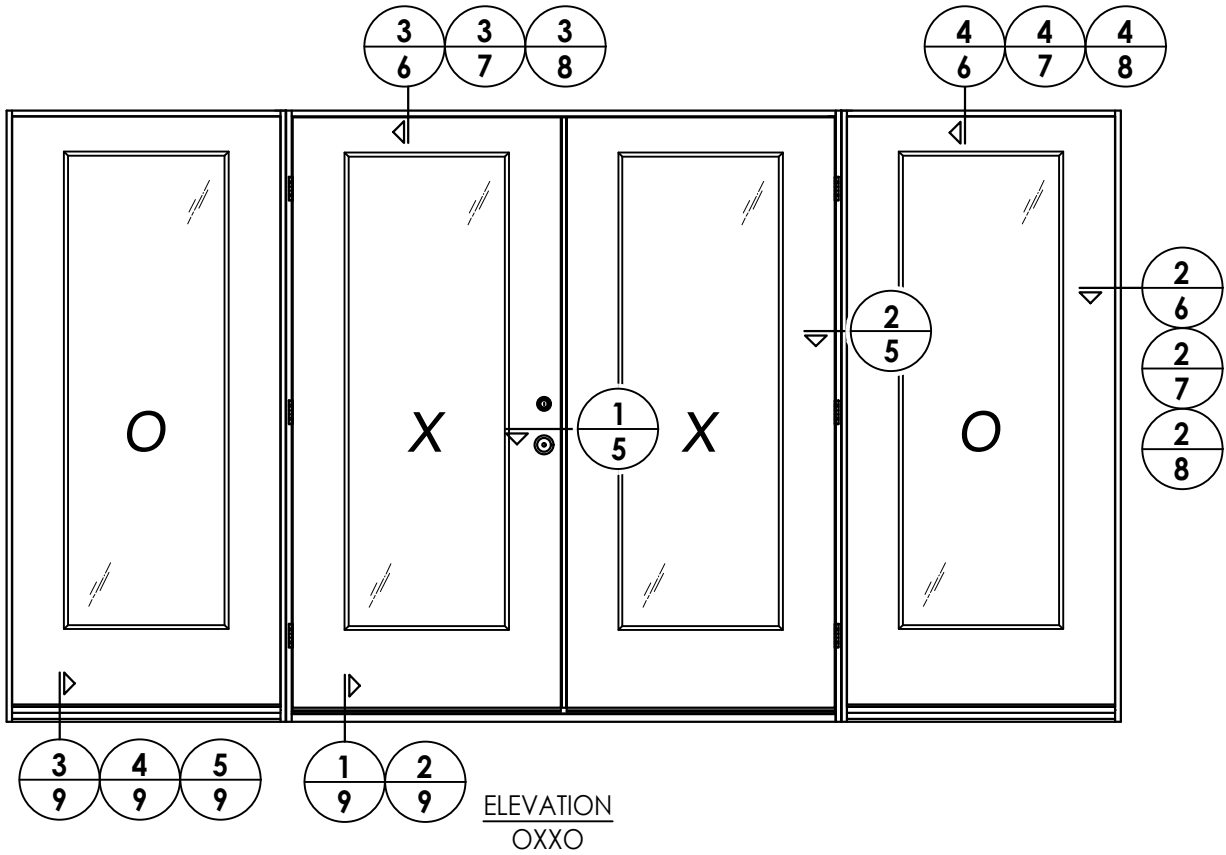


**2 VERTICAL CROSS SECTION**

FIBERGLASS SKIN: 0.10" MIN. THK.  
FOAM CORE: POLYURETHANE

**50 FIBERGLASS SIDELITE PANEL**  
TRADITIONAL SERIES

[illegible]

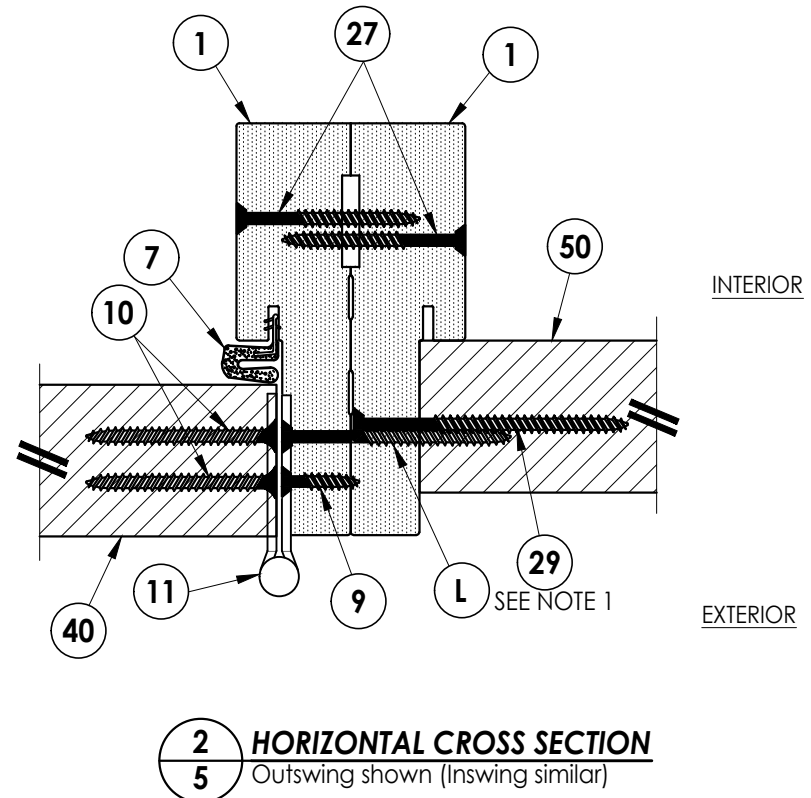
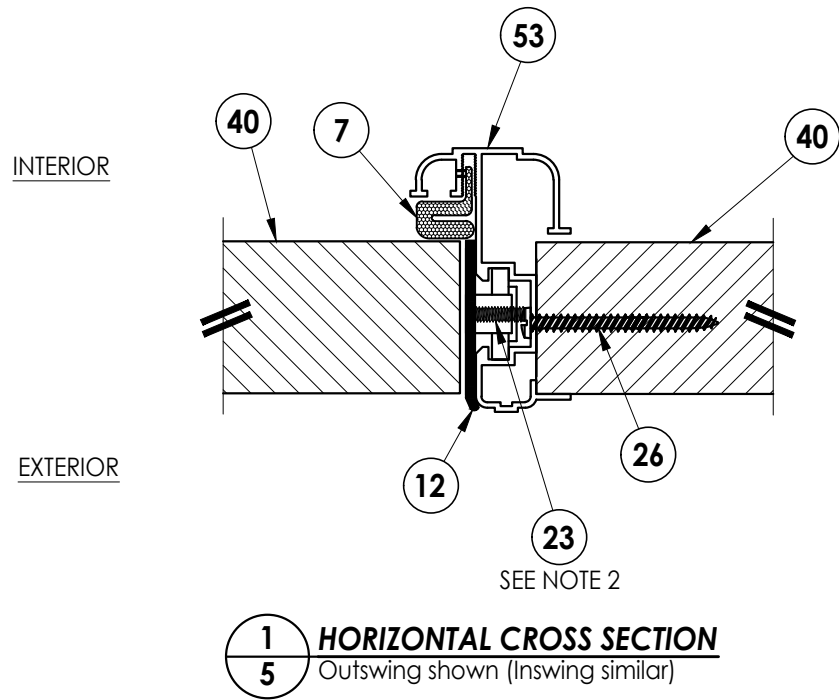


DATE: 2/12/25  
SCALE: N.T.S.  
DWG. BY: RW  
CHK. BY: LFS  
DRAWING NO.: FL-47316.3  
SHEET 4 OF 12

| NO | DATE | REVISIONS | BY |
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|-------------------|---------------------------------|
| PRODUCT:          | TKI PRODUCTS<br>FIBERGLASS DOOR |
| PART OR ASSEMBLY: | ELEVATIONS                      |

Documents Prepared By:  
Lyndon F. Schmidt  
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Phone No.: 813.659.9197  
FBPE Registry No. 9813



Notes:

1. Sidelite assembly screws located 10" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
2. Latch & deadbolt strike plate machine screws installed through strike plate into astragal plastic receiver.

Documents Prepared By:  
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FBPE Registry No. 9813

**PRODUCT:** TKI PRODUCTS  
FIBERGLASS DOOR

**ASSEMBLY:**  
HORIZONTAL  
CROSS SECTIONS

REVISIONS

DATE: 2/12/25

SCALE: *N.T.S.*

DWG. BY: *RW*

CHK. BY: LFS

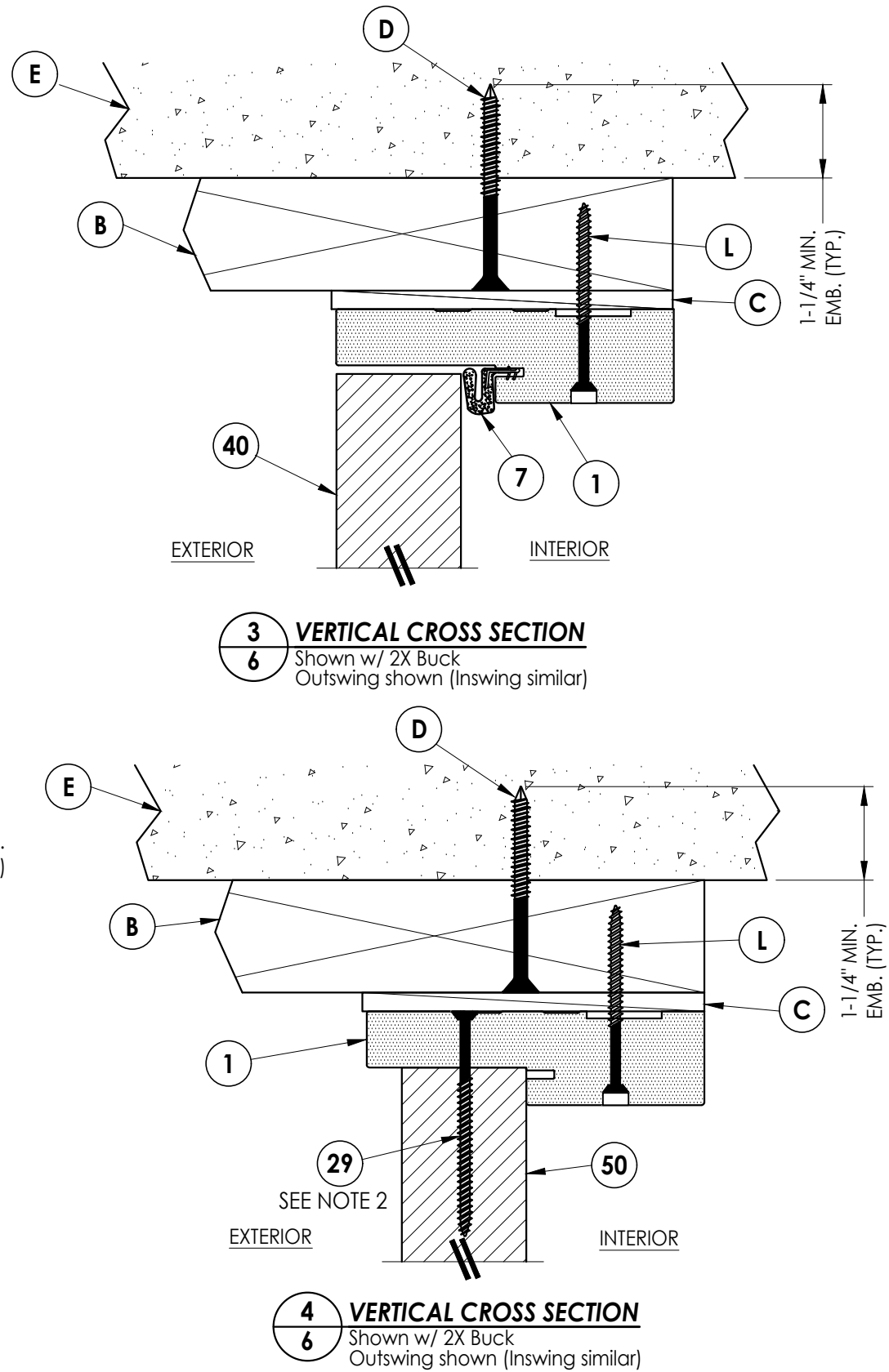
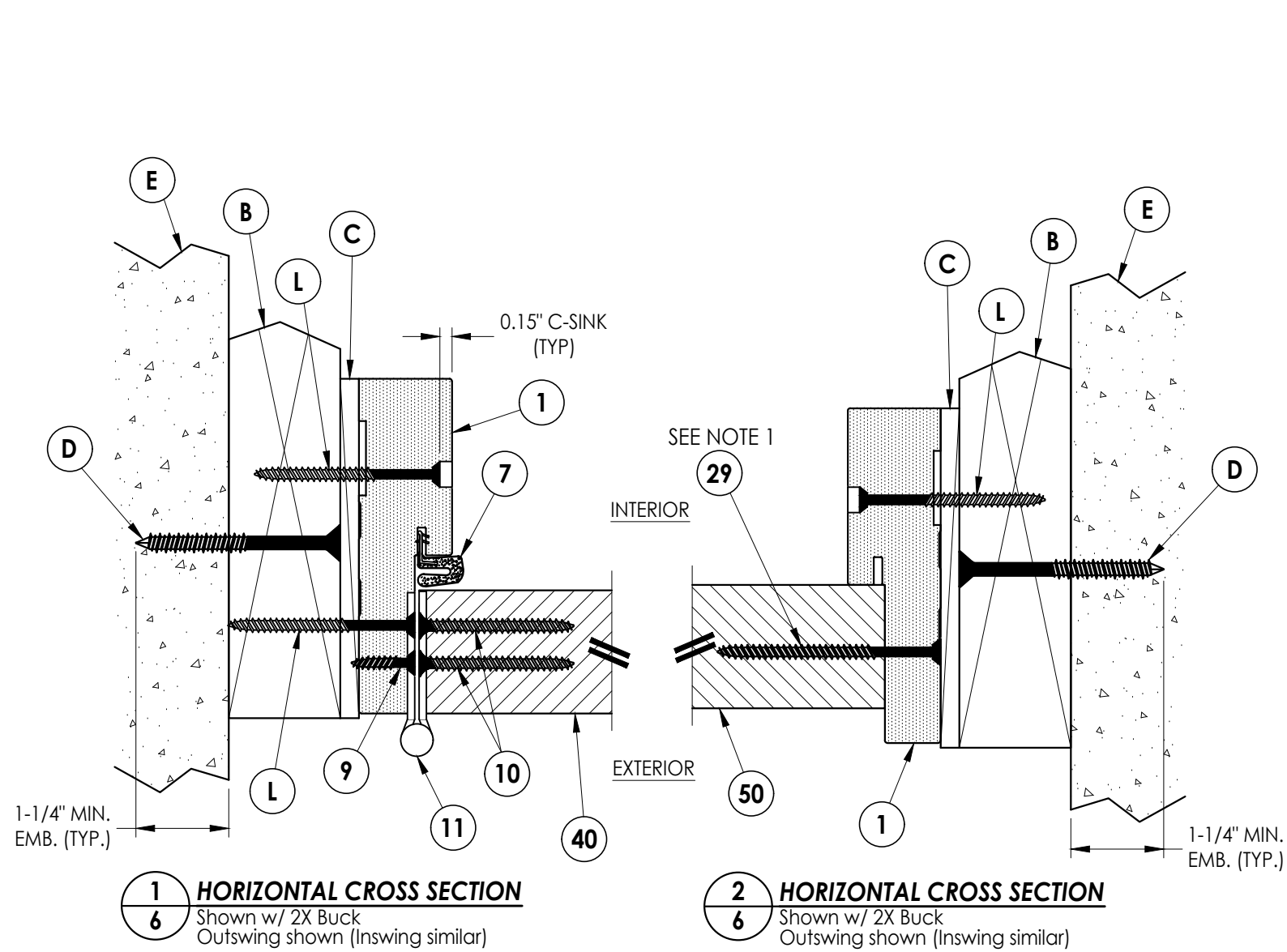
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FL-47316.3

SHEET 5 OF 12

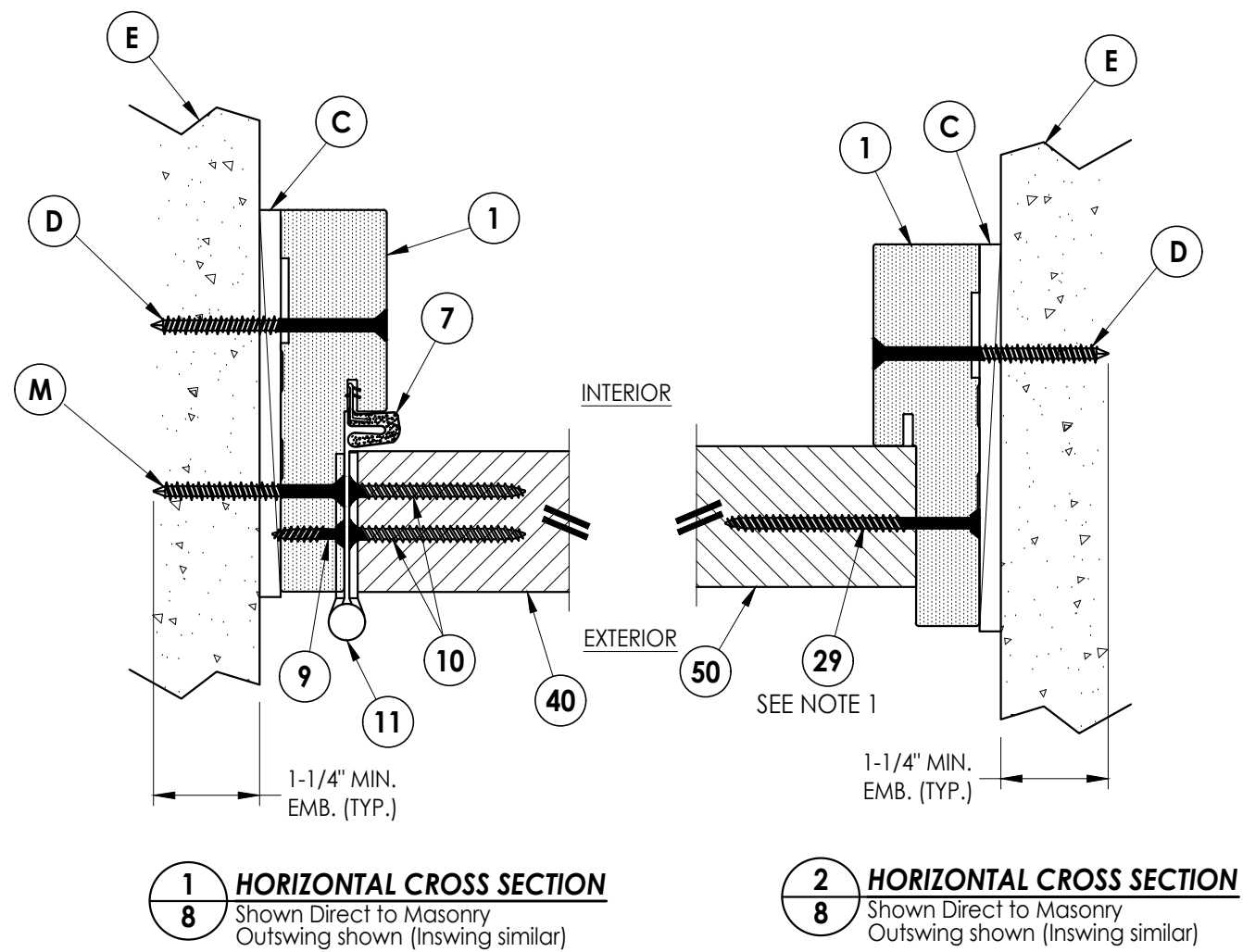
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- Notes:
1. Sidelite assembly screws located 10" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
  2. Sidelite assembly screws located 10" from each end (2 screws total along head & sill).



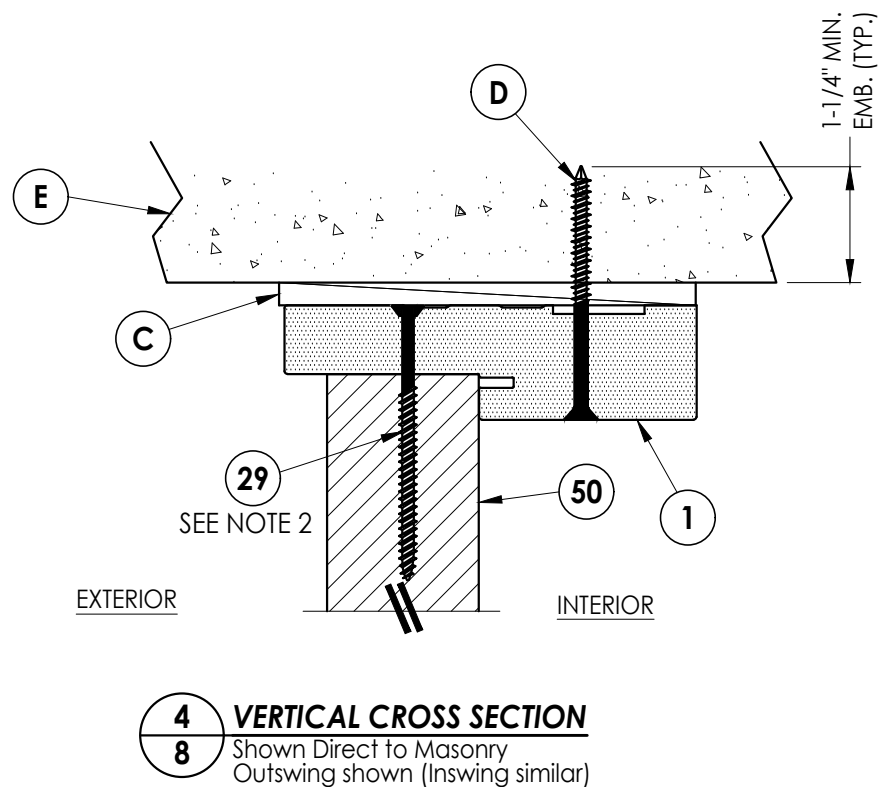
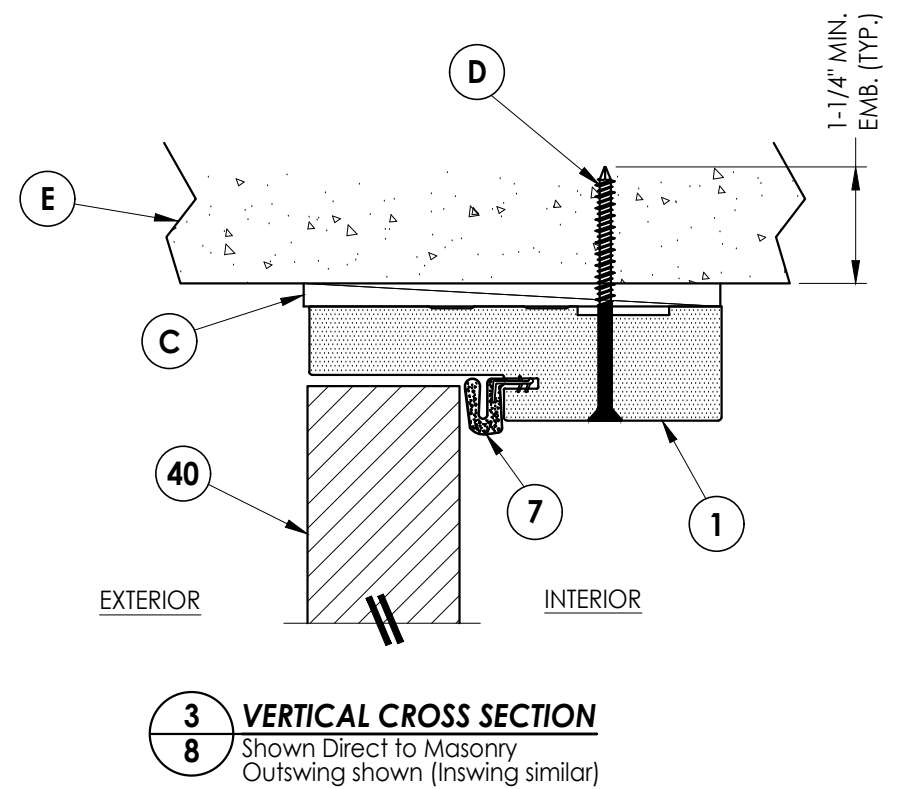
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| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409 |  | TKI PRODUCTS<br>FIBERGLASS DOOR |  | RW BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |  |
| PRODUCT:                                                      |  | TKI PRODUCTS<br>FIBERGLASS DOOR |  | PART OR ASSEMBLY:<br>HORIZONTAL & VERTICAL<br>CROSS SECTIONS (2X BUCK)                                                |  |
| NO.                                                           |  | DATE                            |  | BY                                                                                                                    |  |
| NO.                                                           |  | DATE                            |  | BY                                                                                                                    |  |
| DATE: 2/12/25                                                 |  | SCALE: N.T.S.                   |  | DWG. BY: RW                                                                                                           |  |
| CHK. BY: LFS                                                  |  | DRAWING NO.: FL-47316.3         |  | SHEET 6 OF 12                                                                                                         |  |





Notes:

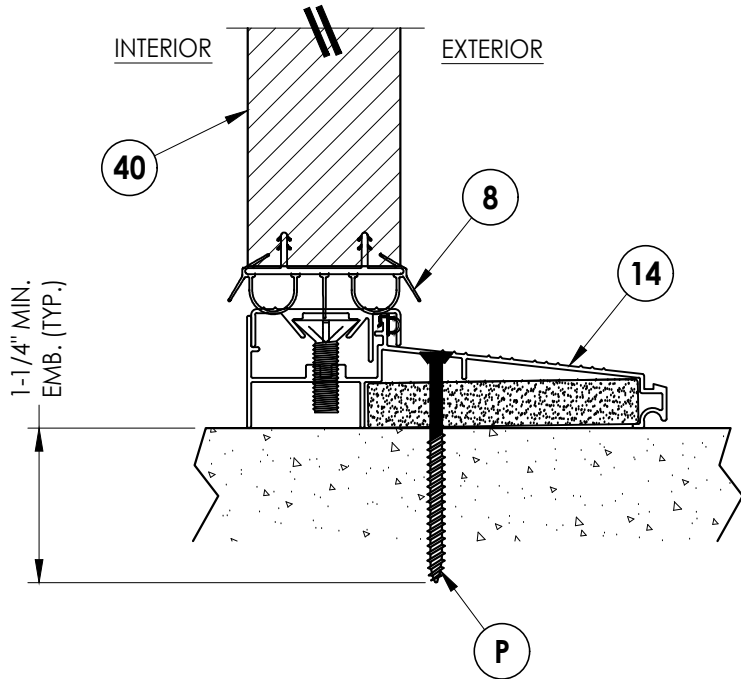
1. Sidelite assembly screws located 10" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
2. Sidelite assembly screws located 10" from each end (2 screws total along head & sill).

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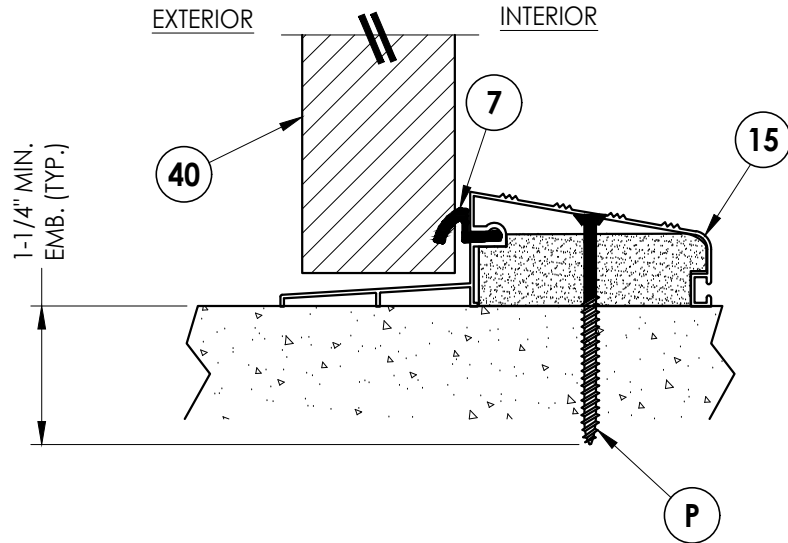
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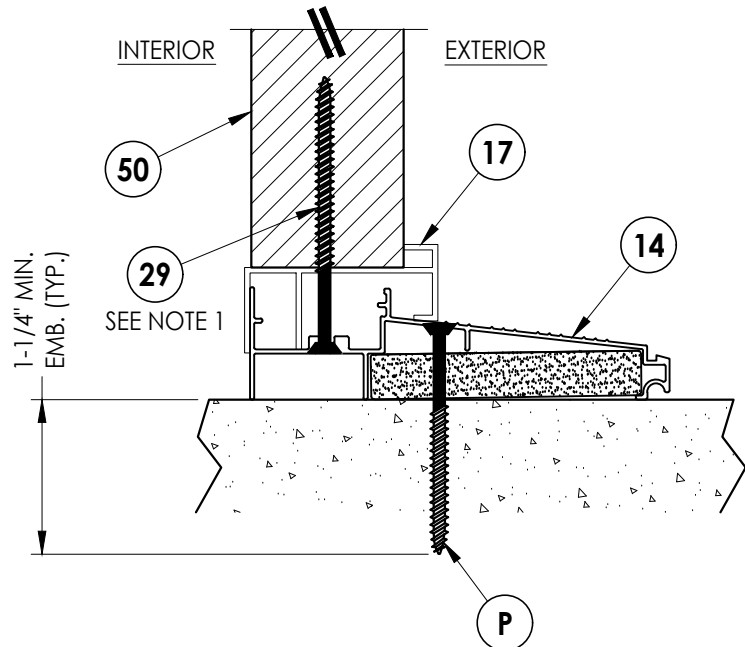
1. Sidelite assembly screws located 10" from each end (2 screws total along head & sill).



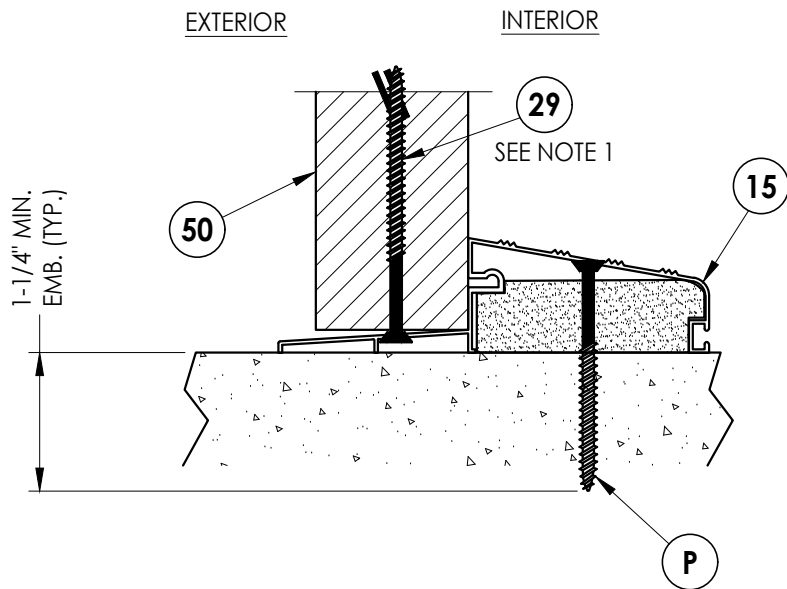
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9 VERTICAL CROSS SECTION  
Inswing Threshold



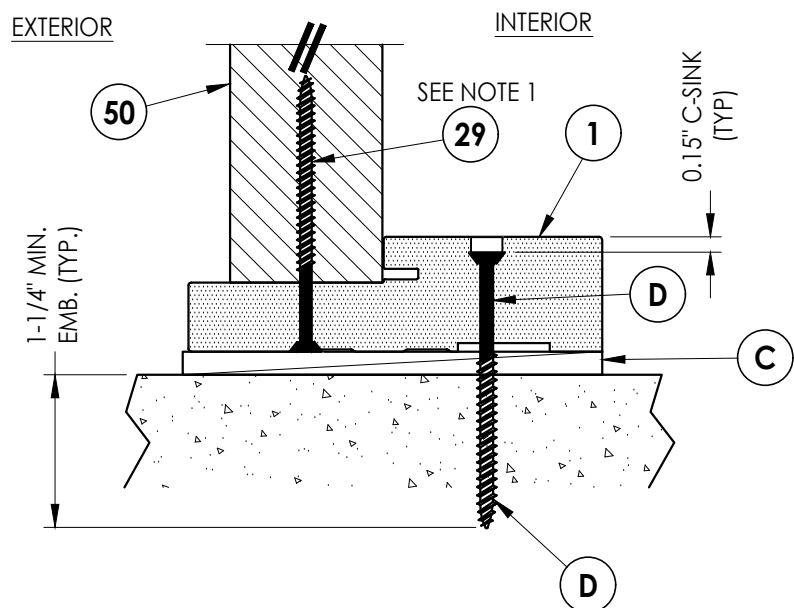
2  
9 VERTICAL CROSS SECTION  
Outswing Threshold



3  
9 VERTICAL CROSS SECTION  
Inswing Threshold



4  
9 VERTICAL CROSS SECTION  
Outswing Threshold



5  
9 VERTICAL CROSS SECTION  
Inswing Threshold

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

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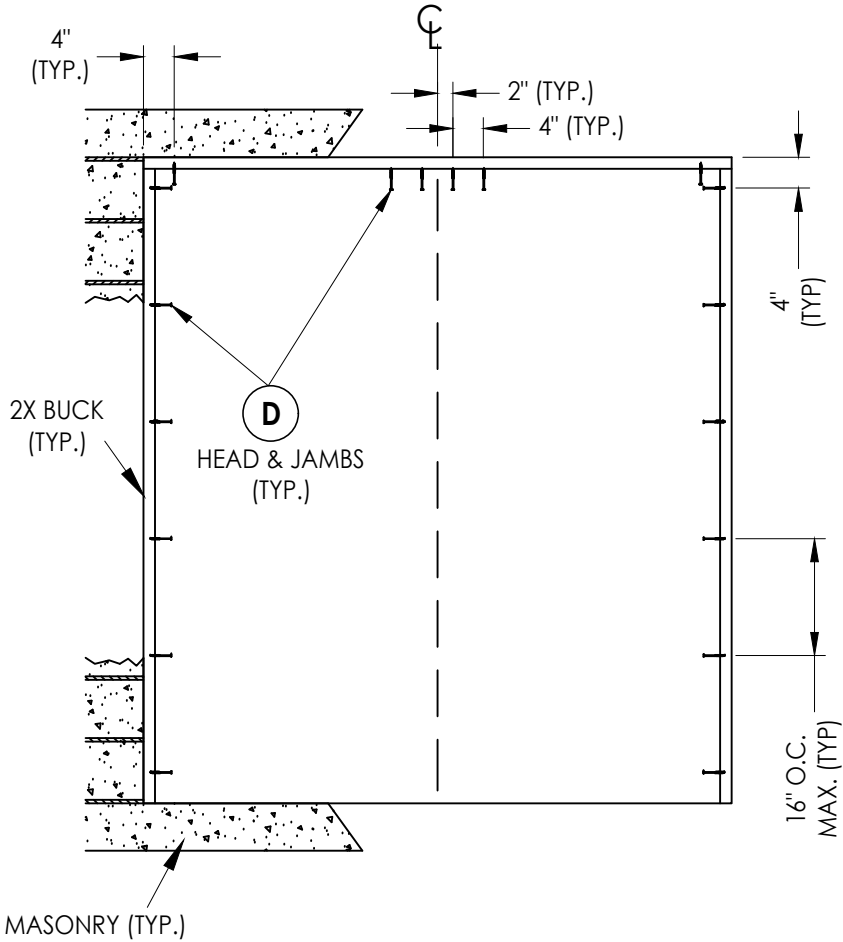
PRODUCT:  
TKI PRODUCTS  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
VERTICAL CROSS  
SECTIONS (THRESHOLDS)

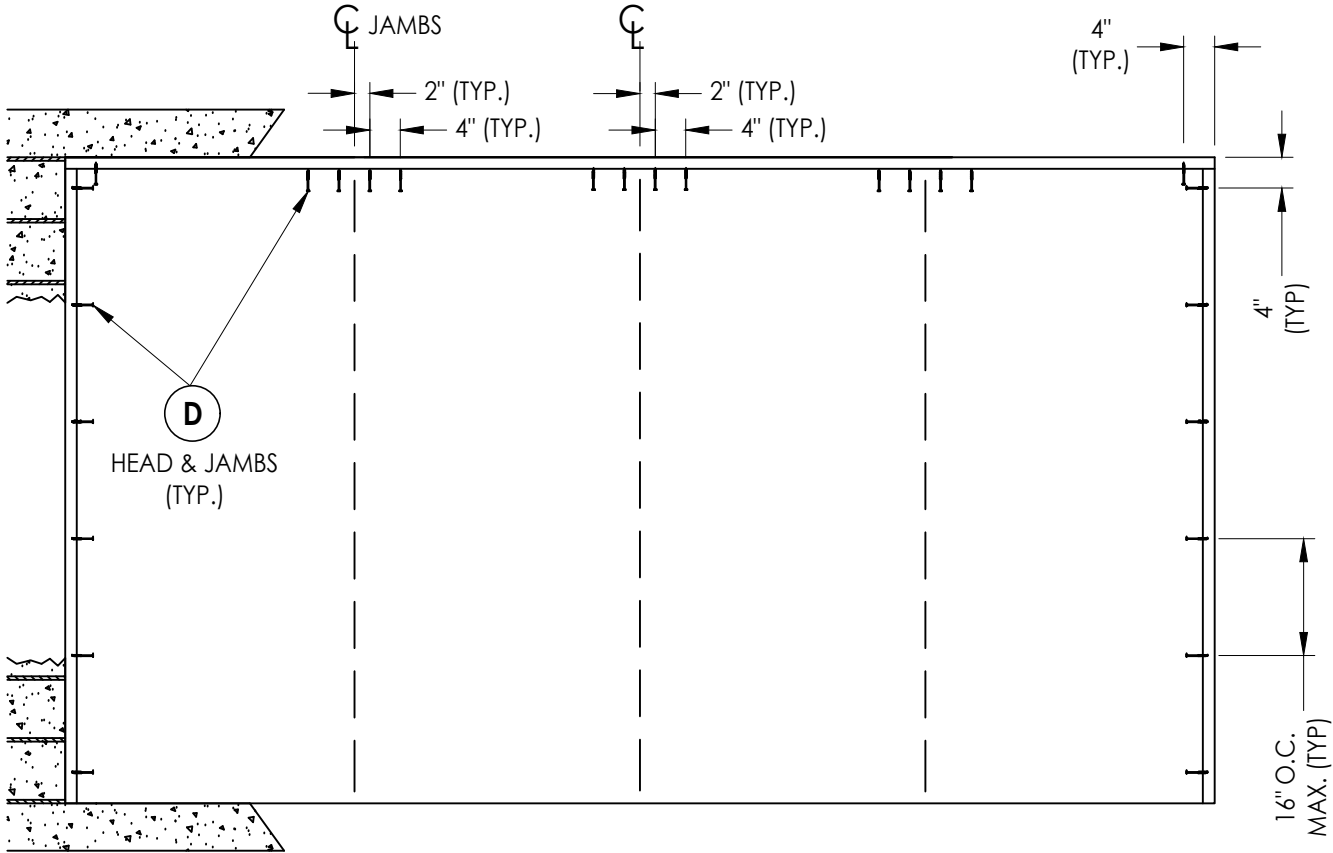
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DATE: 2/12/25  
SCALE: N.T.S.  
DWG. BY: RW  
CHK. BY: LFS  
DRAWING NO.:  
FL-47316.3  
SHEET 9 OF 12

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OXXO

2X BUCK ANCHORING

|              |            |
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| DATE:        | 2/12/25    |
| SCALE:       | N.T.S.     |
| DWG. BY:     | RW         |
| CHK. BY:     | LFS        |
| DRAWING NO.: | FL-47316.3 |
| SHEET        | 10 OF 12   |

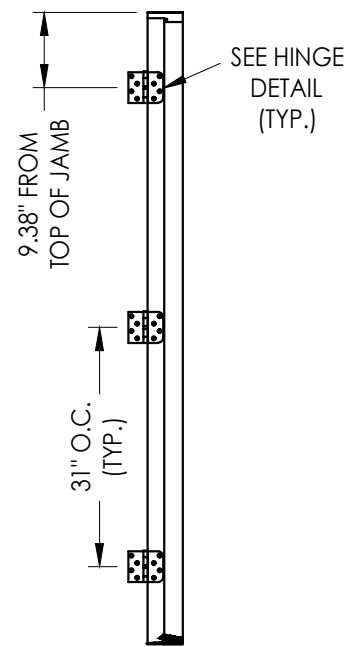
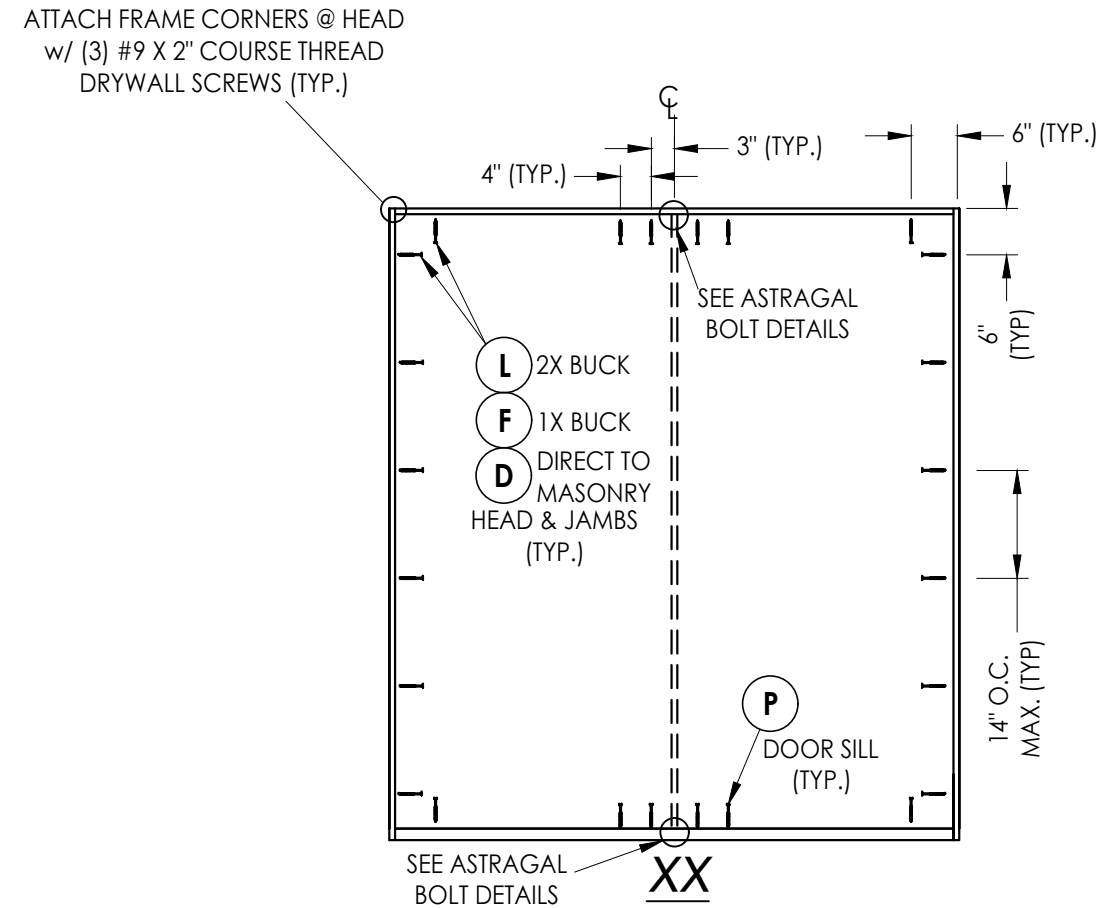
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|-------------------|---------------------------------|
| PRODUCT:          | TKI PRODUCTS<br>FIBERGLASS DOOR |
| PART OR ASSEMBLY: | BUCK ANCHORING                  |

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

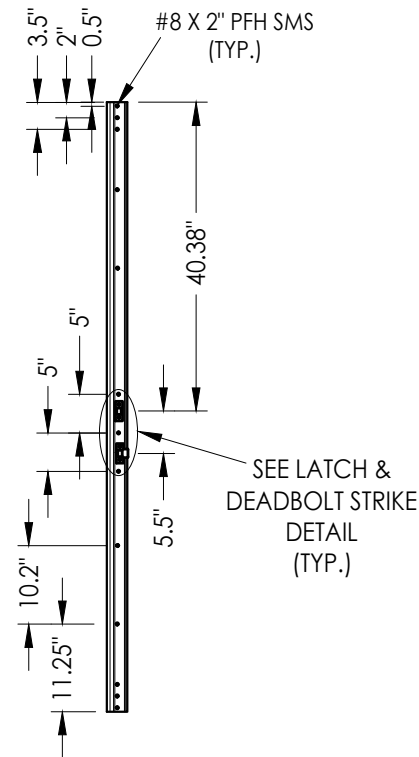
*RW* BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

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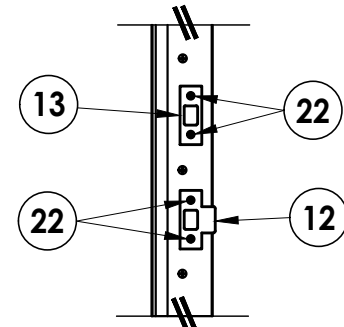
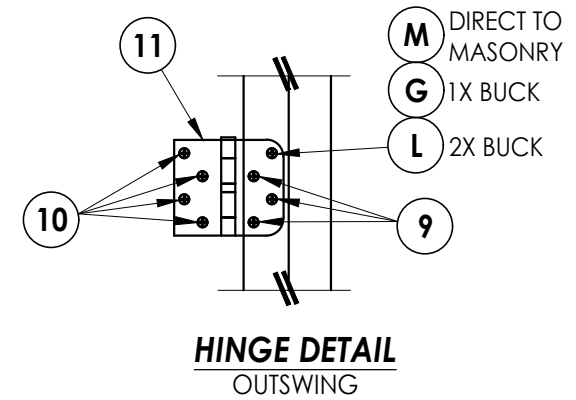
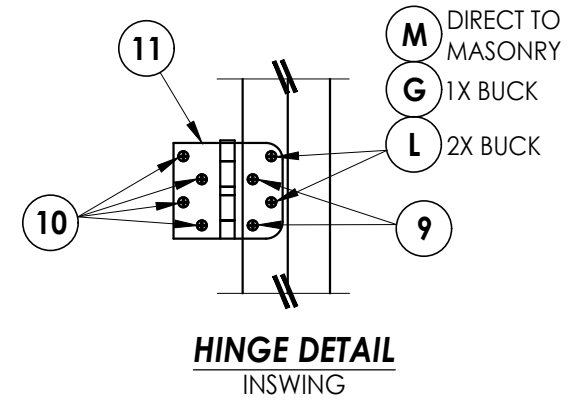


**HINGE JAMB**

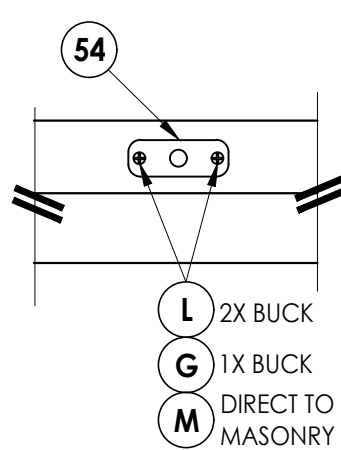
ASTRAGAL SCREWS LOCATED AS SHOWN w/  
(3) LOCATED ON EACH SIDE OF LOCK &  
DEADBOLT STRIKE PLATES (13 SCREWS TOTAL)



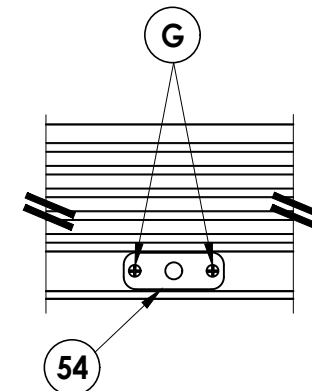
**ASTRAGAL**



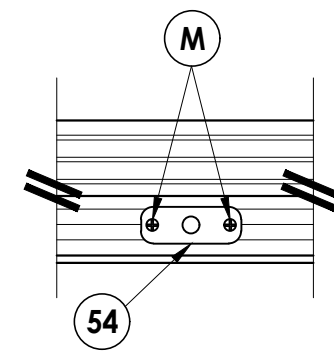
**LATCH & DEADBOLT DETAILS**



**ASTRAGAL BOLT DETAIL**  
Strike Plate @ Head

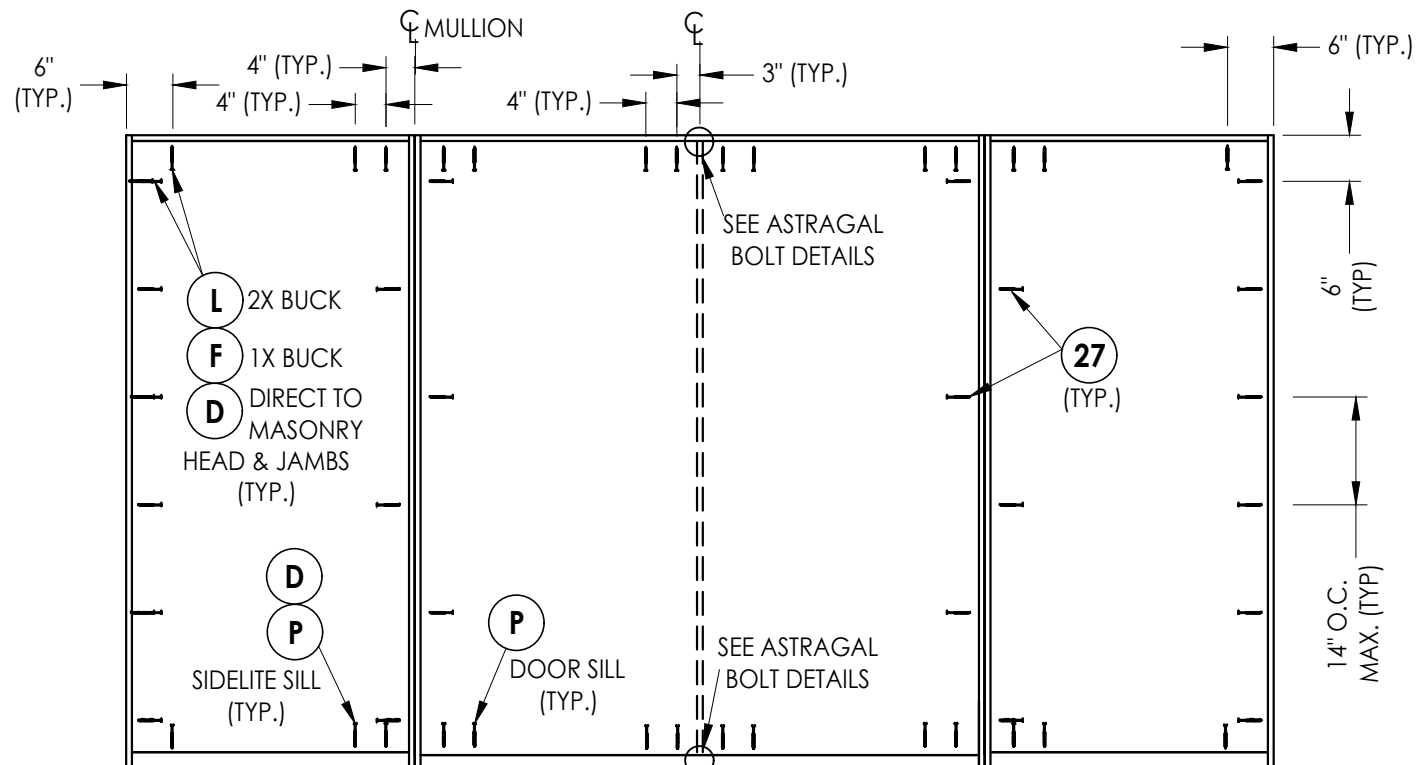


**ASTRAGAL BOLT DETAIL**  
Inswing Threshold



**ASTRAGAL BOLT DETAIL**  
Outswing Threshold

**HARDWARE DETAILS**



**OXXO**

**FRAME ANCHORING**

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:  
TKI PRODUCTS  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
FRAME ANCHORING  
& HARDWARE DETAILS

| REVISIONS |      |    |  |
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DATE: 2/12/25  
SCALE: N.T.S.  
DWG. BY: RW  
CHK. BY: LFS  
DRAWING NO.: FL-47316.3  
SHEET 11 OF 12

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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     |
| J                 | #10 X 3" PFH WOOD 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                 | SWEEP                                                                                          | VINYL     |
| 9                 | #9 X 3/4" PFH WOOD SCREW                                                                       | STEEL     |
| 10                | #7 X 2" PFH DRYWALL SCREW                                                                      | STEEL     |
| 11                | 4" X 4" HINGE                                                                                  | STEEL     |
| 12                | LATCH STRIKE PLATE                                                                             | STEEL     |
| 13                | DEADBOLT STRIKE PLATE                                                                          | STEEL     |
| 14                | INSWING THRESHOLD                                                                              | ALUM/COMP |
| 15                | OUTSWING THRESHOLD                                                                             | ALUM/COMP |
| 17                | OUTSWING SIDELITE ADAPTER                                                                      | PVC       |
| 22                | #8 X 2-1/2" PFH WOOD SCREW                                                                     | STEEL     |
| 23                | #8 X 5/8" PFH MACHINE SCREW                                                                    | STEEL     |
| 26                | #8 X 2" PH SMS                                                                                 | STEEL     |
| 27                | #10 X 2" PFH SMS                                                                               | STEEL     |
| 29                | #10 X 3" FH COMPOSITE DECK SCREW                                                               | STEEL     |
| 40                | DOOR PANEL                                                                                     | -         |
| 50                | SIDELITE PANEL                                                                                 | -         |
| 53                | ALUMINUM ASTRAGAL                                                                              | ALUM      |
| 54                | ASTRAGAL BOLT STRIKE PLATE 1-3/16" X 3-1/4" (0.078" THICK)                                     | STEEL     |

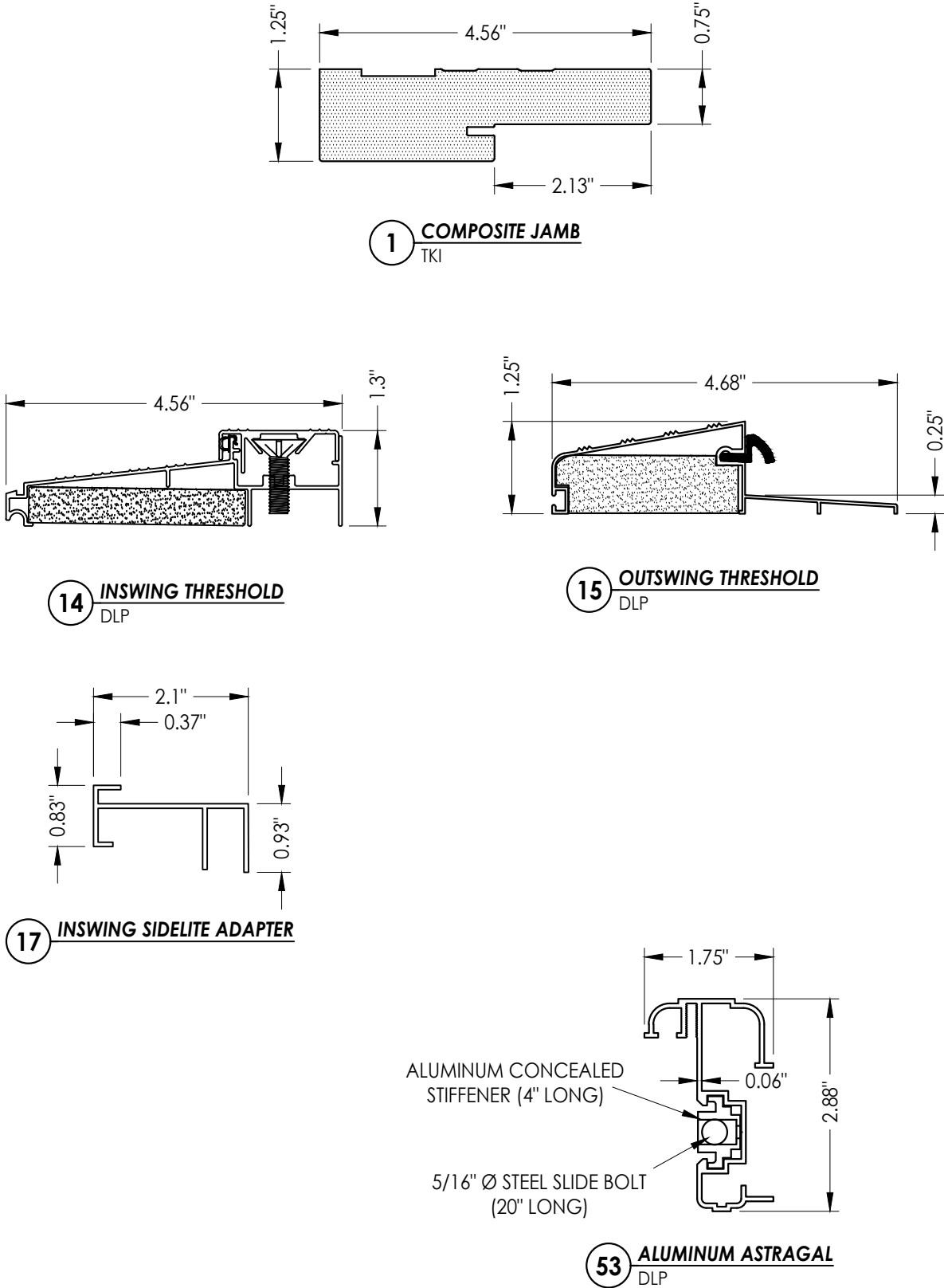
CONCRETE ANCHOR NOTES:

- 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 BUILDEX TAPCON® | 3/16"       | 1-1/4"         | 3"                             | 1-1/2"                            |
|                     | 1/4"        | 1-1/4"         | 2"                             | 4"                                |
| DeWALT ULTRACON®    | 1/4"        | 1-1/4"         | 1"                             | 4"                                |

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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P.E. No. 43409

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Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT:  
TKI PRODUCTS  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
BILL OF MATERIALS  
& COMPONENTS

| NO. | DATE | BY | REVISIONS |
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DATE: 2/12/25

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-47316.3

SHEET 12 OF 12