

Z:\2023 FBC Drawings\ODL, Inc\FL-46116\FL-46116.3.dwg



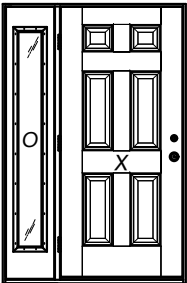
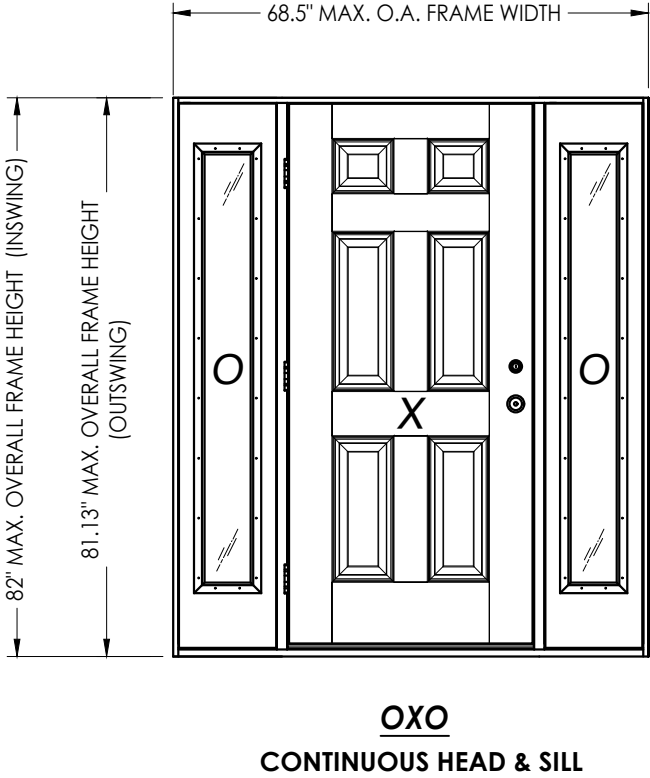
215 EAST ROOSEVELT AVE.  
ZEELAND, MI 49464

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

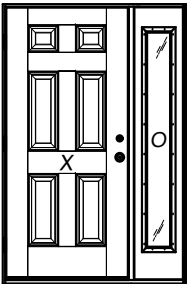
GENERAL NOTES

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, glazed products are required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2 of the FBC.
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.

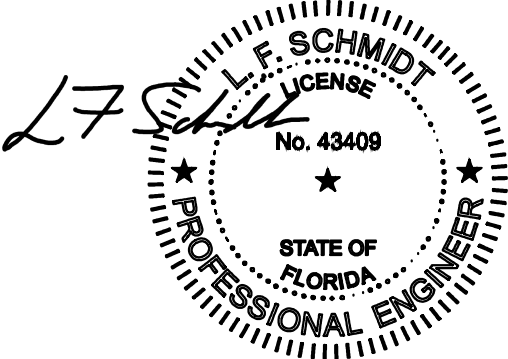
| TABLE OF CONTENTS |                                                      |         |                                                          |
|-------------------|------------------------------------------------------|---------|----------------------------------------------------------|
| SHEET #           | 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 & Lite Frame Glazing Details          | 9       | Vertical Cross Sections (Thresholds)                     |
| 4                 | Elevations                                           | 10      | Buck Anchoring                                           |
| 5                 | Horizontal Cross Sections                            | 11      | Frame Anchoring & Hardware Details                       |
| 6                 | Horizontal & Vertical Cross Sections (2X Buck)       | 12      | Bill of Materials & Components                           |



OX, XO



XO, OX



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

ODL  
FIBERGLASS DOOR

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

NO.

DATE

REVISIONS

DATE: 10/15/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46116.3

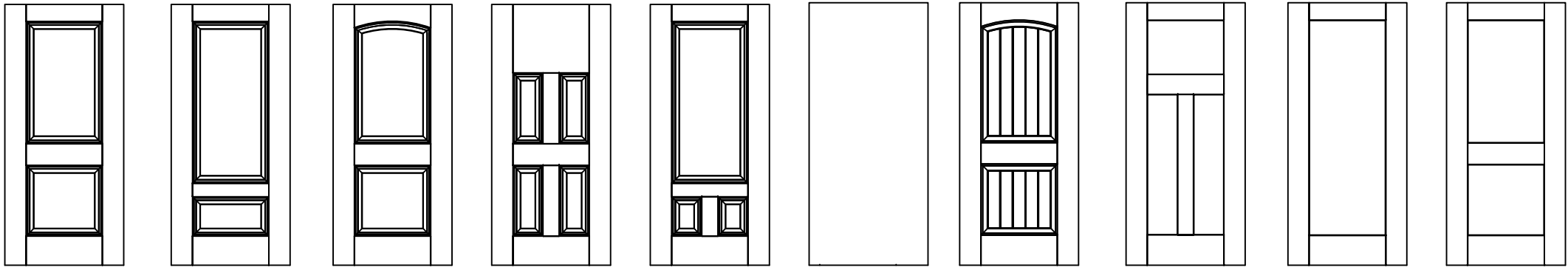
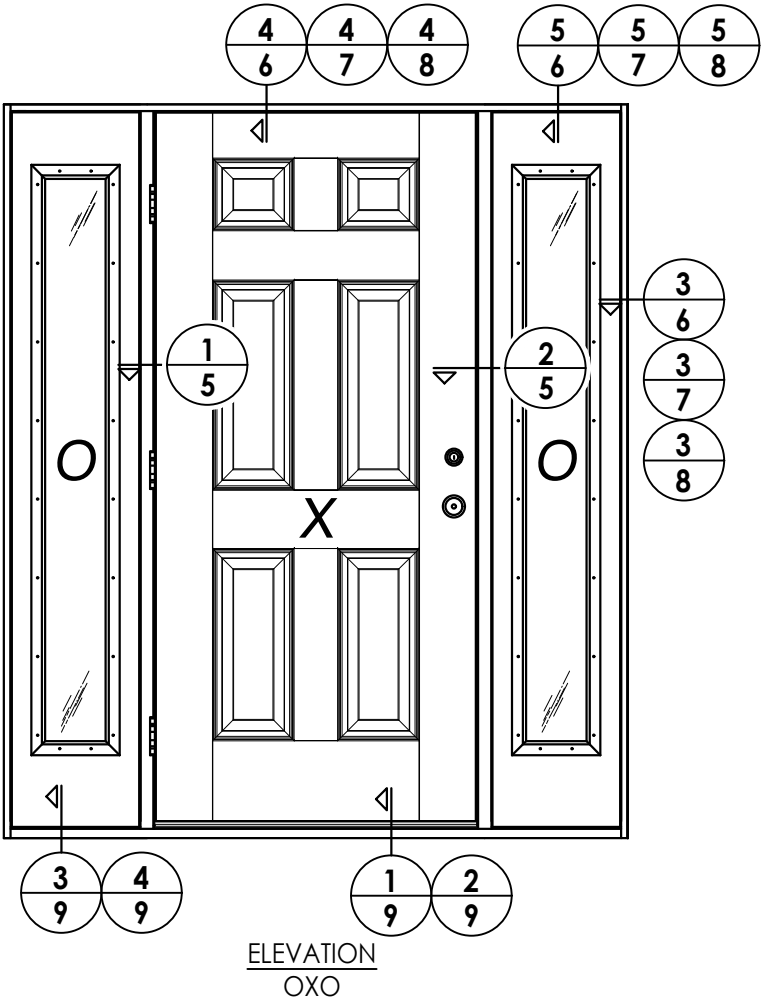
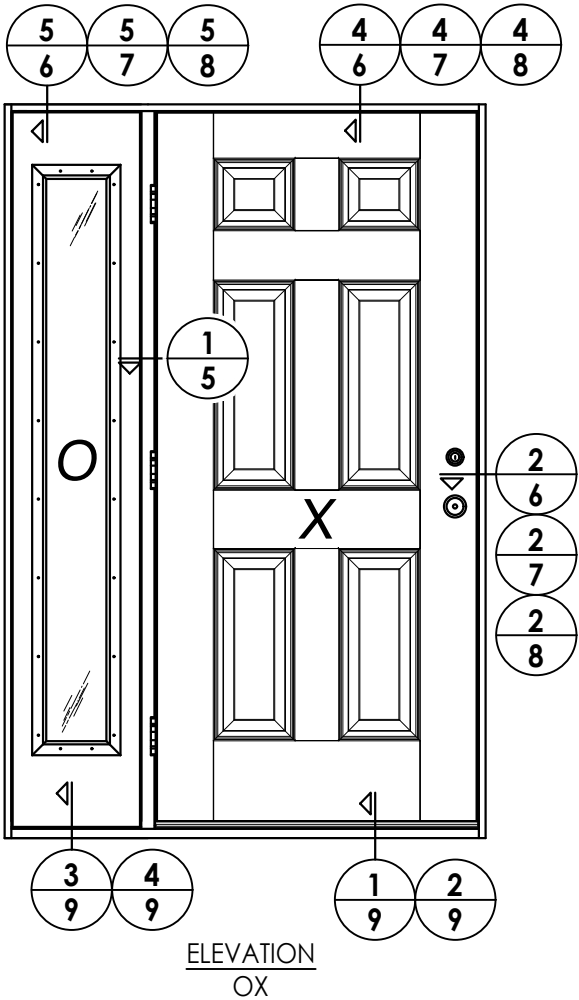
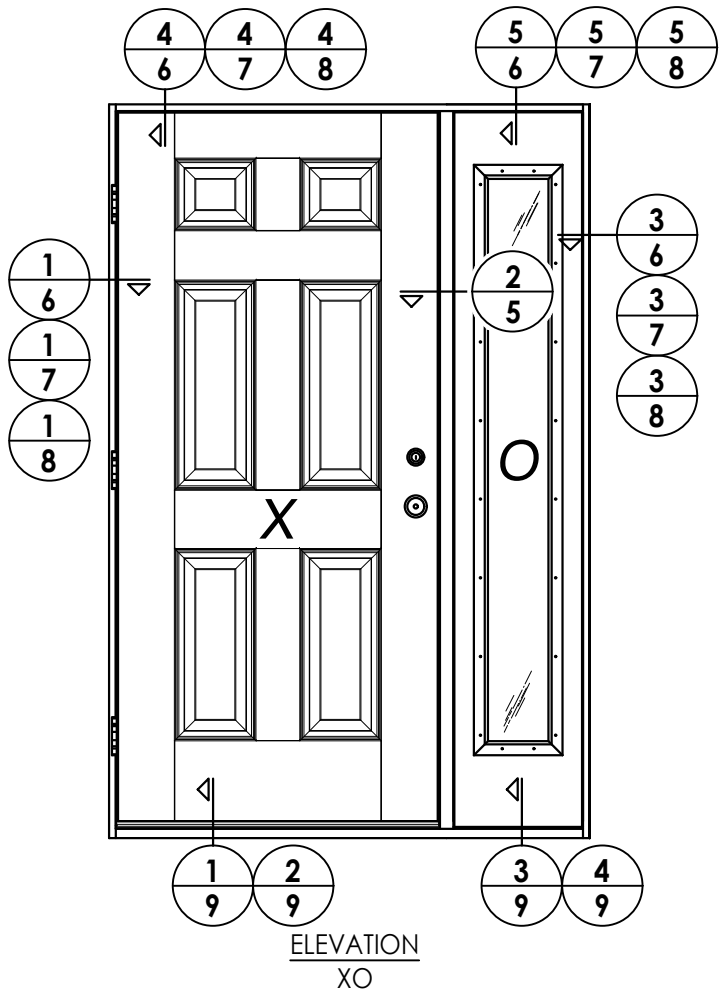
SHEET 1 OF 12

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





Z:\2023 FBC Drawings\ODL, Inc\FL-46116\FL-46116.3.dwg

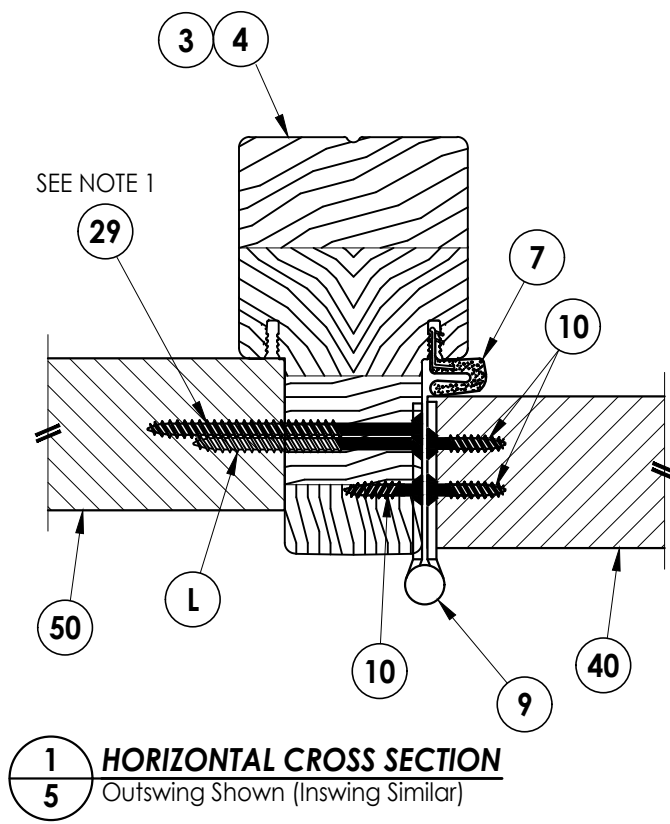


ALTERNATE DOOR PANELS

|                              |  |                              |  |
|------------------------------|--|------------------------------|--|
| PRODUCT: ODL FIBERGLASS DOOR |  | PART OR ASSEMBLY: ELEVATIONS |  |
| DATE: 10/15/24               |  | NO. DATE                     |  |
| SCALE: N.T.S.                |  | BY                           |  |
| DWG. BY: LFS                 |  | REVISIONS                    |  |
| CHK. BY: RW                  |  |                              |  |
| DRAWING NO.: FL-46116.3      |  |                              |  |
| SHEET 4 OF 12                |  |                              |  |

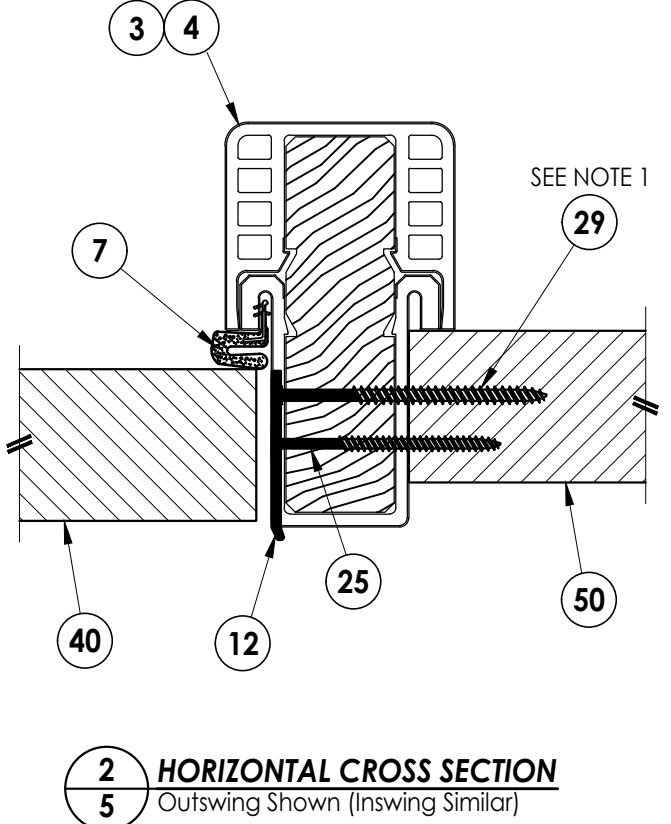
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

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



## EXTERIOR

## INTERIOR

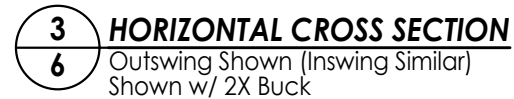


SEE NOTE 1

[illegible]

Notes:

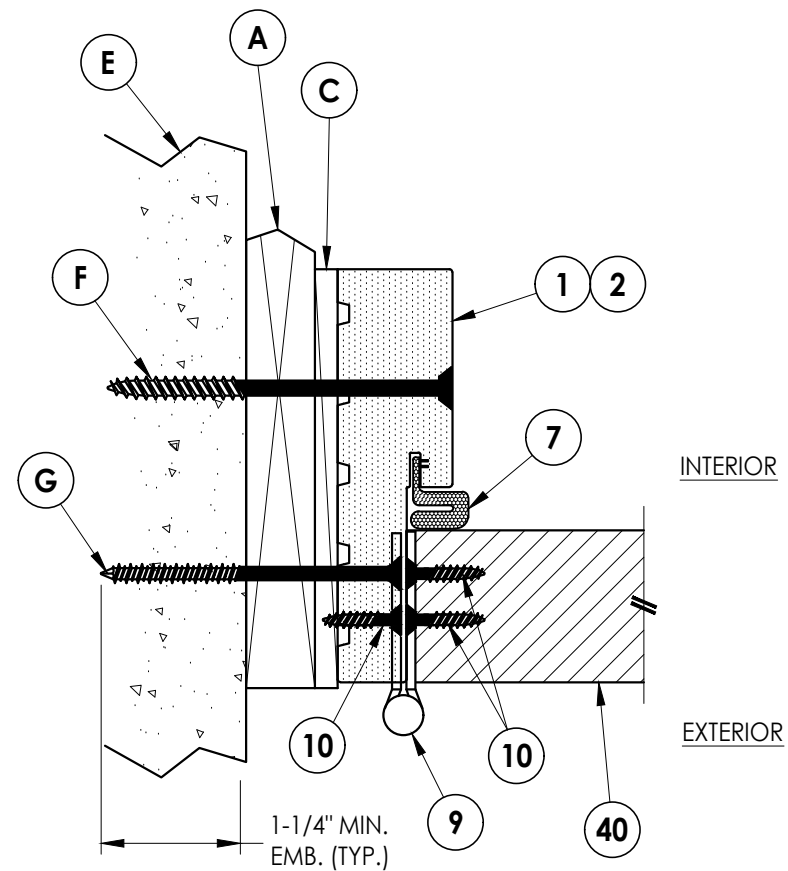
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).



1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).

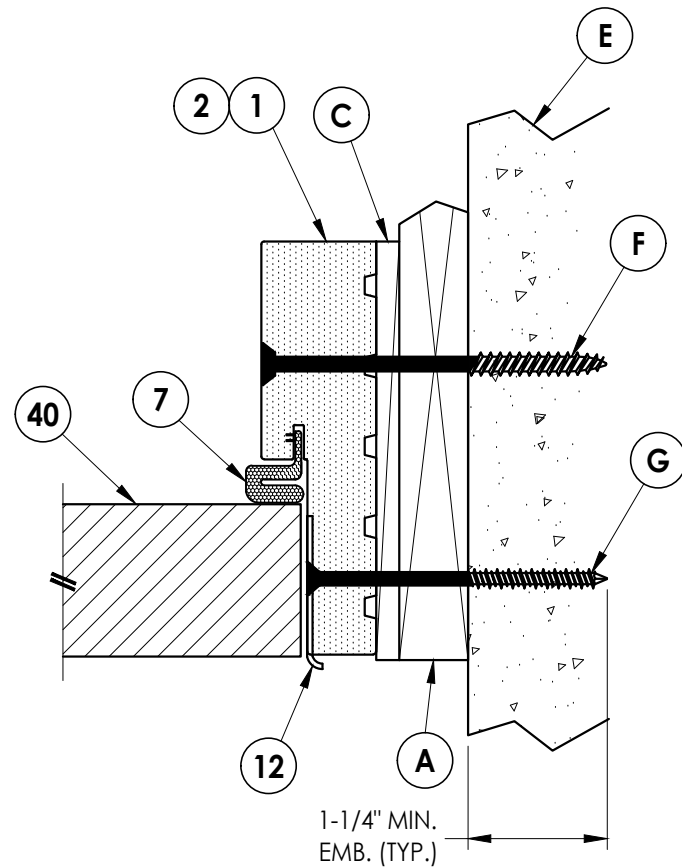
[illegible]



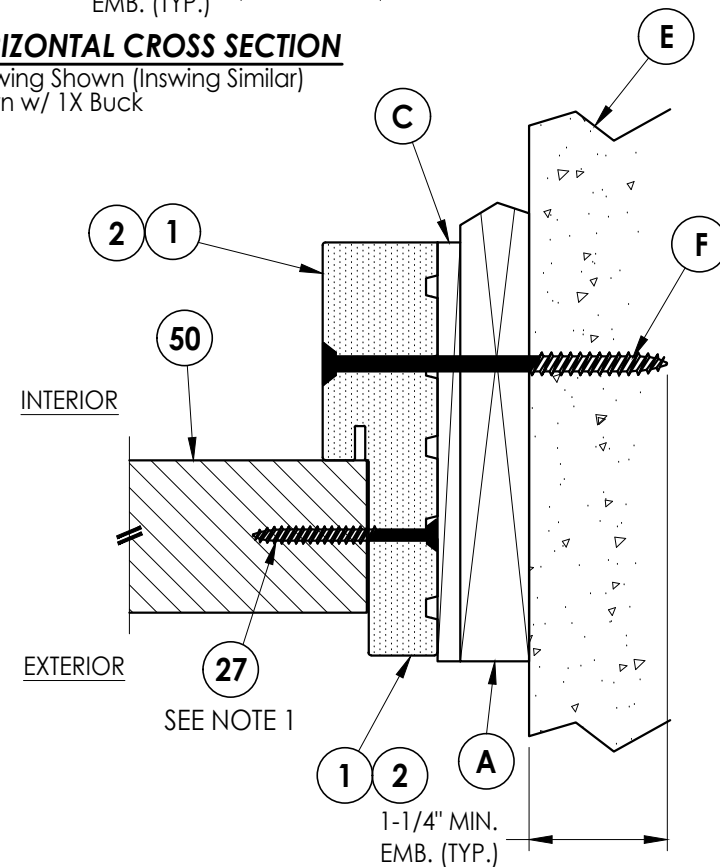


## 1 **HORIZONTAL CROSS SECTION**

### 7 Outswing Shown (Inswing Similar) Shown w/ 1X Buck

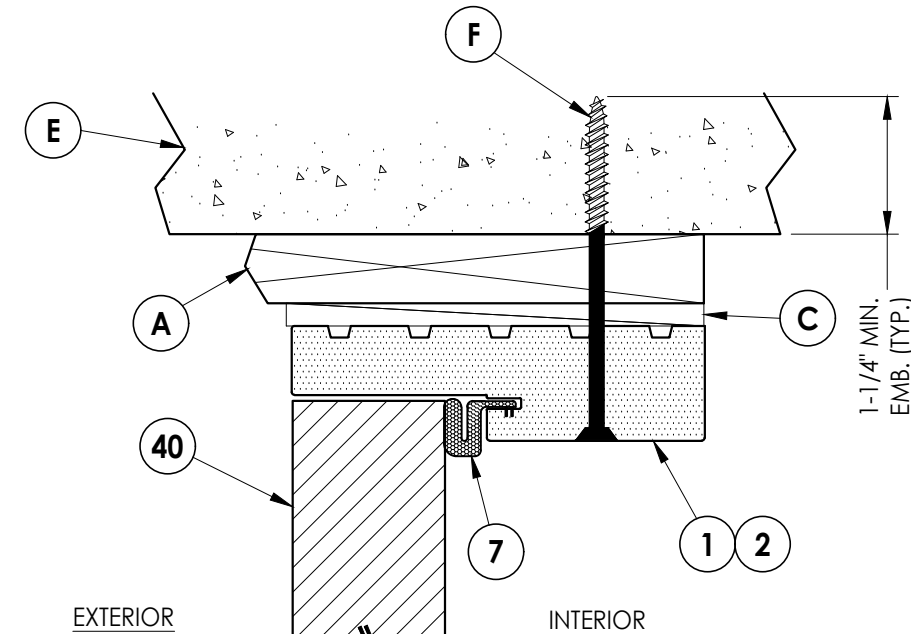


**2** **HORIZONTAL CROSS SECTION**  
**7** Outswing Shown (Inswing Similar)  
 Shown w/ 1X Buck

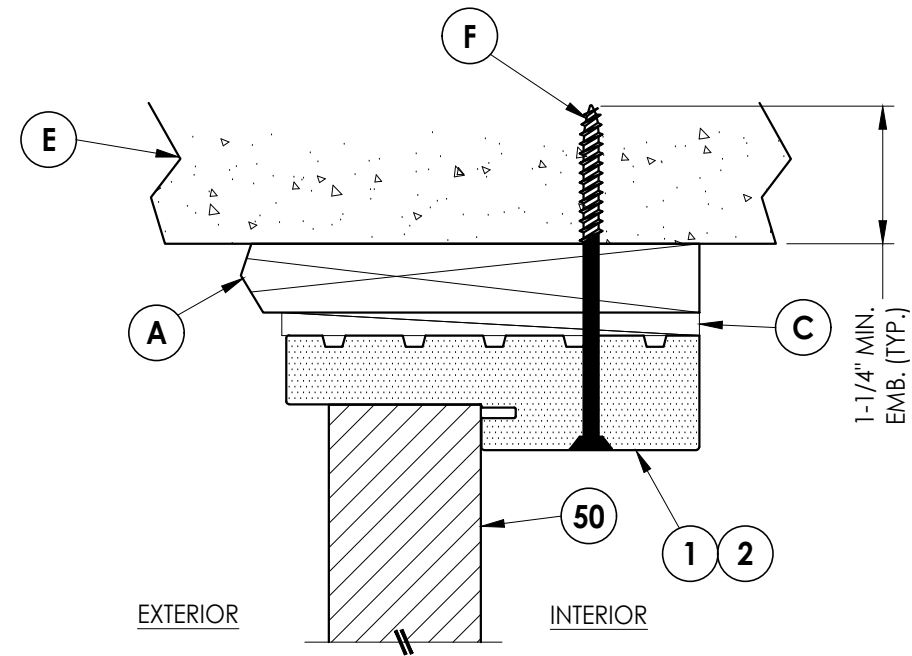


### 3 7 **HORIZONTAL CROSS SECTION**

Outswing Shown (Inswing Similar)  
Shown w/ 1X Buck



**4** **VERTICAL CROSS SECTION**  
**7** Outswing Shown (Inswing Similar)  
Shown w/ 1X Buck



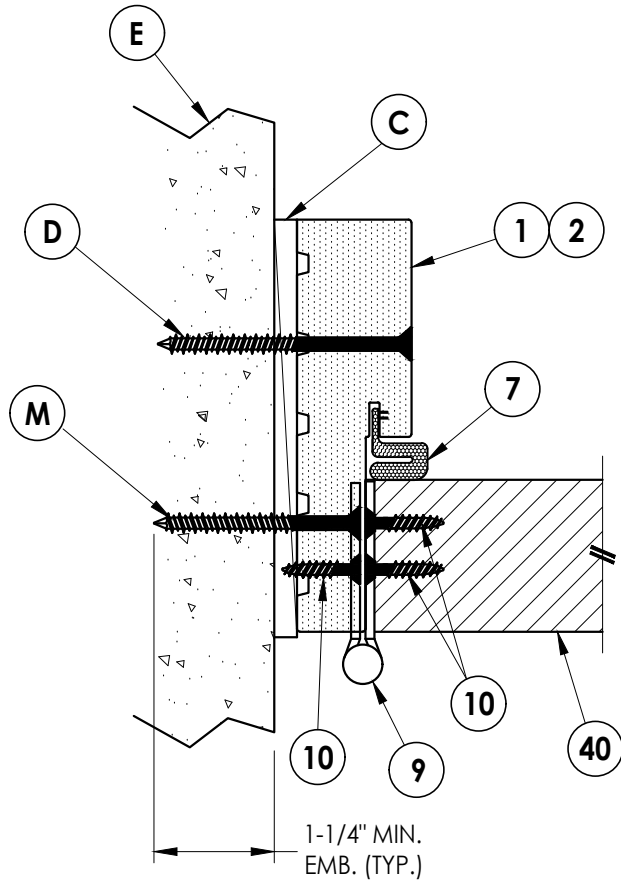
**5** **VERTICAL CROSS SECTION**  
**7** Outswing Shown (Inswing Similar)  
Shown w/ 1X Buck

Note:

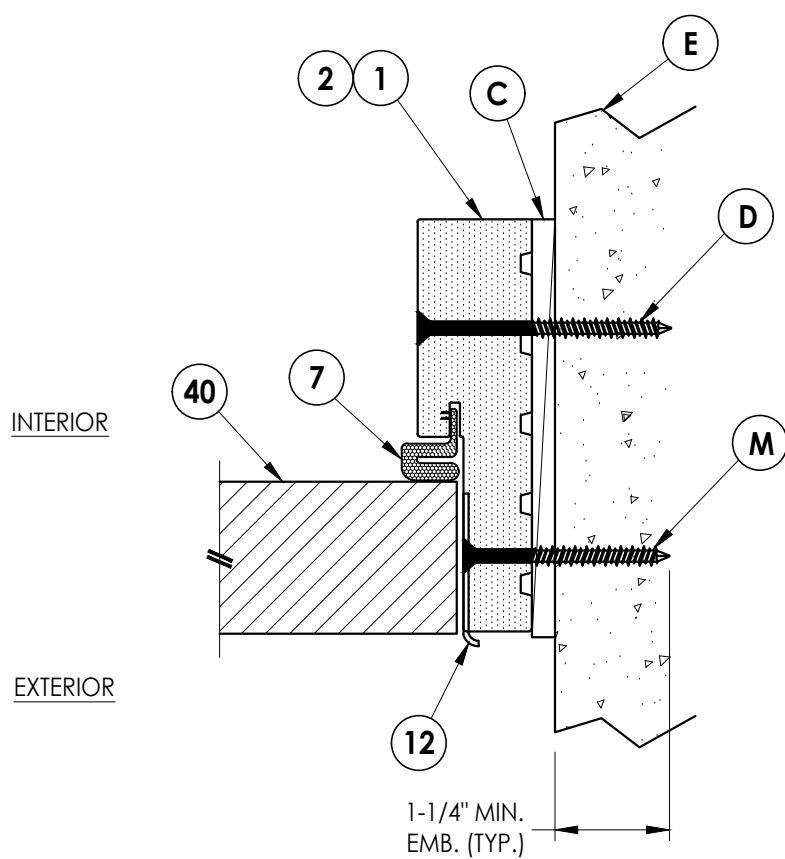
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).

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

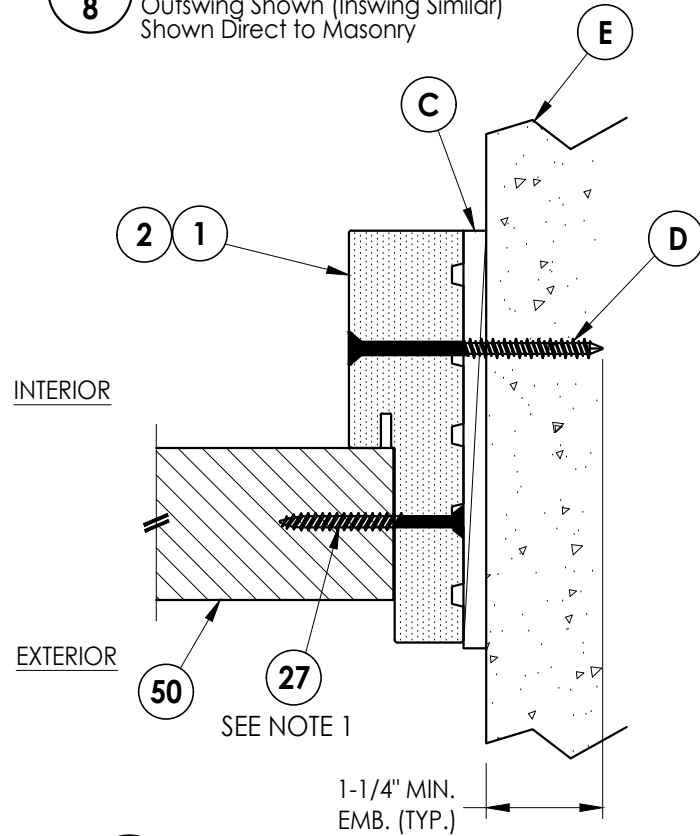
***R<sup>g</sup>W*** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813



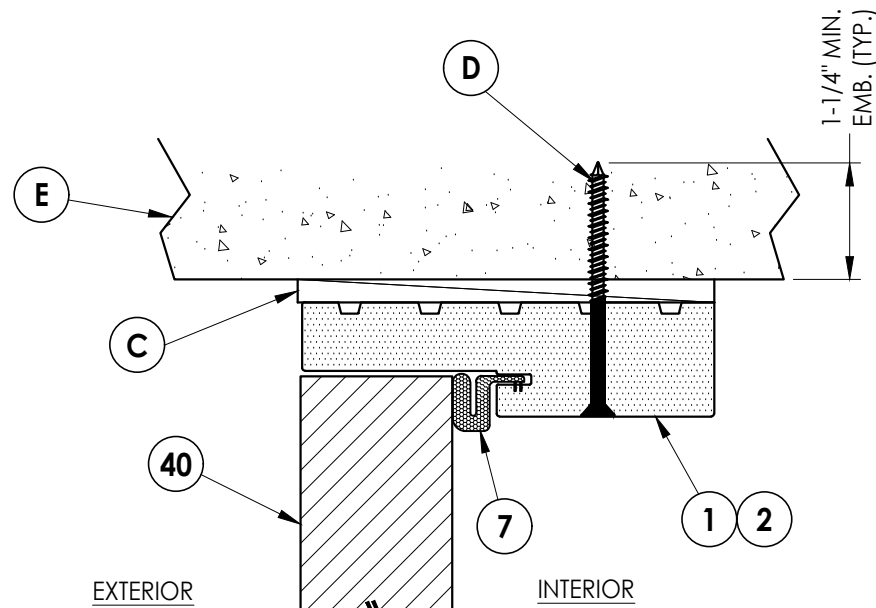
**1**  
**8** **HORIZONTAL CROSS SECTION**  
Outswing Shown (Inswing Similar)  
Shown Direct to Masonry



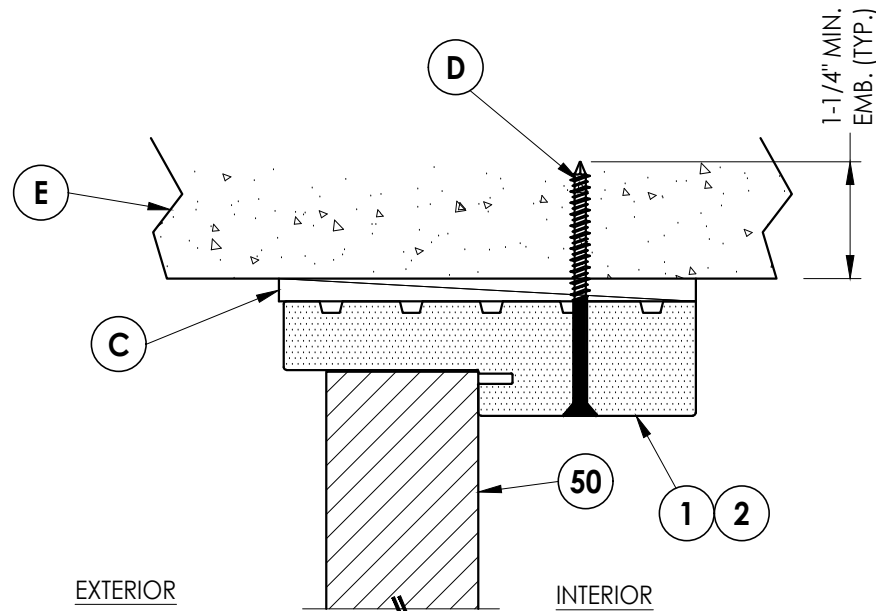
**2**  
**8** **HORIZONTAL CROSS SECTION**  
Outswing Shown (Inswing Similar)  
Shown Direct to Masonry



**3**  
**8** **HORIZONTAL CROSS SECTION**  
Outswing Shown (Inswing Similar)  
Shown Direct to Masonry



**4**  
**8** **VERTICAL CROSS SECTION**  
Outswing Shown (Inswing Similar)  
Shown Direct to Masonry



**5**  
**8** **VERTICAL CROSS SECTION**  
Outswing Shown (Inswing Similar)  
Shown Direct to Masonry

Note:  
1. Sidelite assembly screws located 6\"/>

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

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

PRODUCT: ODL  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
HORIZONTAL & VERTICAL CROSS  
SECTIONS (DIRECT TO MASONRY)

| NO. | DATE | BY | REVISIONS |
|-----|------|----|-----------|
|     |      |    |           |
|     |      |    |           |
|     |      |    |           |
|     |      |    |           |
|     |      |    |           |
|     |      |    |           |
|     |      |    |           |
|     |      |    |           |
|     |      |    |           |

DATE: 10/15/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

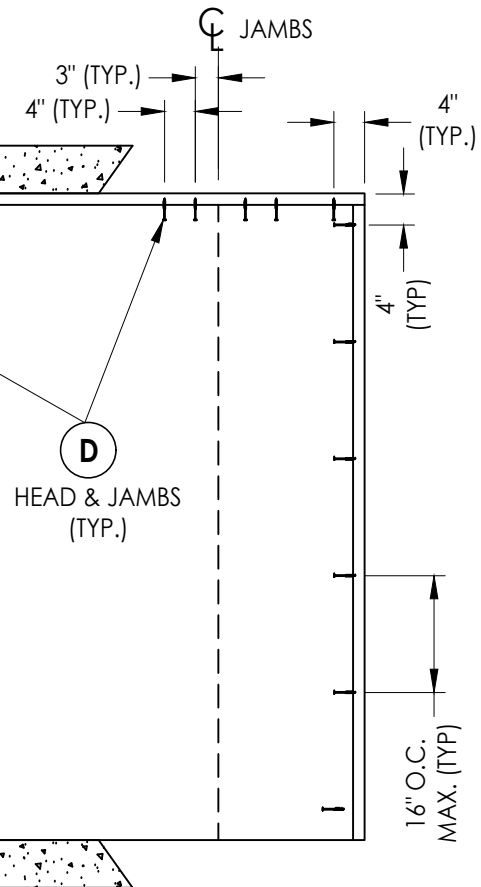
DRAWING NO.:

FL-46116.3

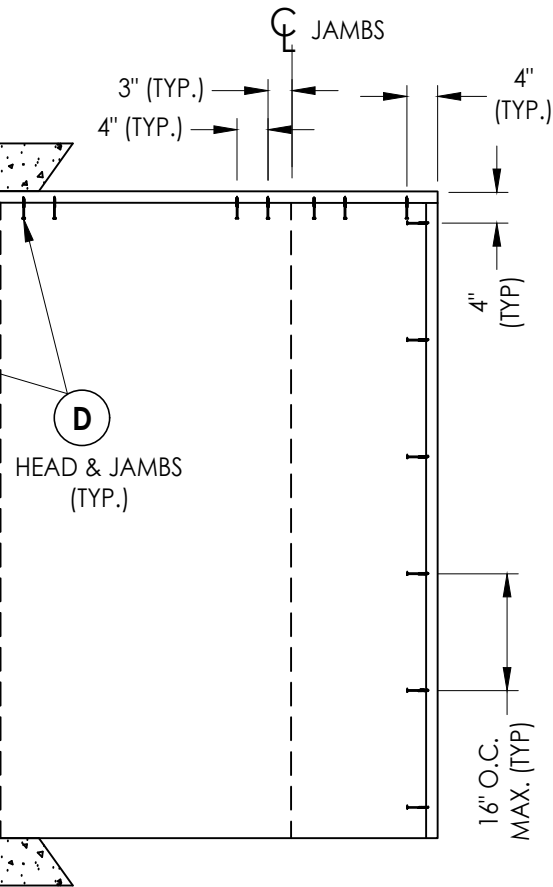
SHEET 8 OF 12







*XO/OX*



OXO

## 2X BUCK ANCHORING



Z:\2023 FBC Drawings\ODL, Inc\FL-46116\FL-46116.3.dwg

| 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 (WORLDWIDE OR PLASTPRO)                                                         | COMP      |
| 2                 | WOOD JAMB (FJ PINE OR PLASTPRO)                                                                | WOOD      |
| 3                 | COMPOSITE MULLION (ENDURA OR PLASTPRO)                                                         | PVC/WOOD  |
| 4                 | WOOD MULLION (PINE OR ENDURA)                                                                  | WOOD      |
| 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 |
| 16                | INSWING SIDELITE BASE                                                                          | ALUM      |
| 20                | #8 X 1/2" PFH WOOD SCREW                                                                       | STEEL     |
| 25                | #8 X 2-1/2" PFH WOOD SCREW                                                                     | STEEL     |
| 27                | #10 X 2" PFH SMS                                                                               | STEEL     |
| 29                | #10 X 3" FH COMPOSITE DECK SCREW                                                               | STEEL     |
| 30                | #12 X 2-1/2" PFH WOOD SCREW                                                                    | STEEL     |
| 40                | DOOR PANEL                                                                                     | -         |
| 50                | SIDELITE PANEL                                                                                 | -         |

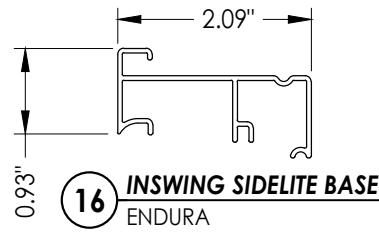
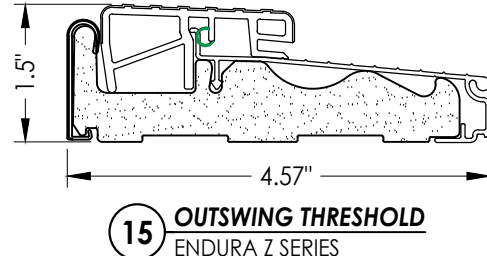
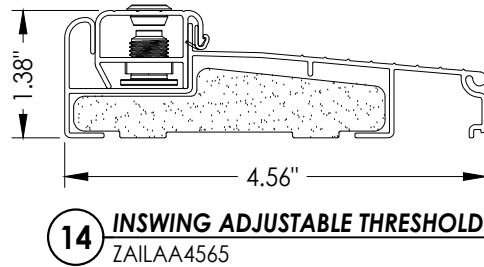
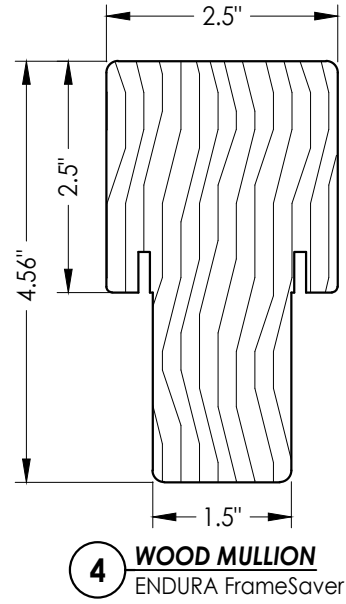
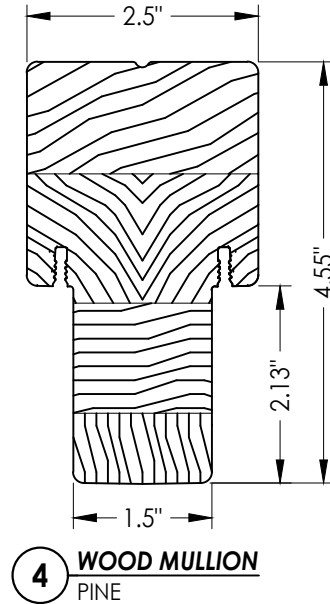
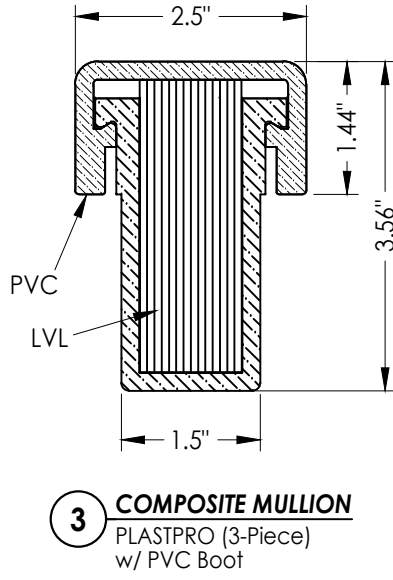
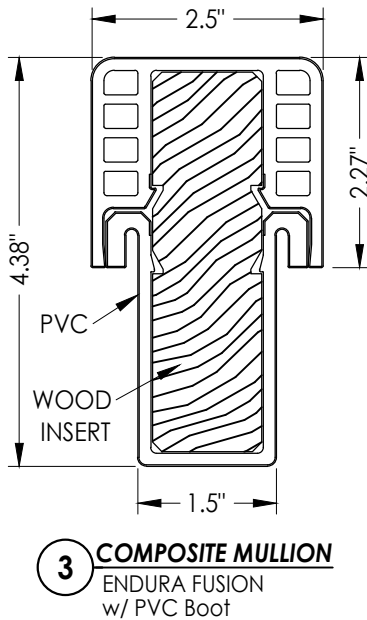
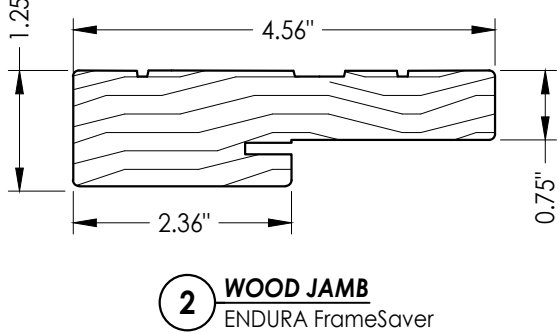
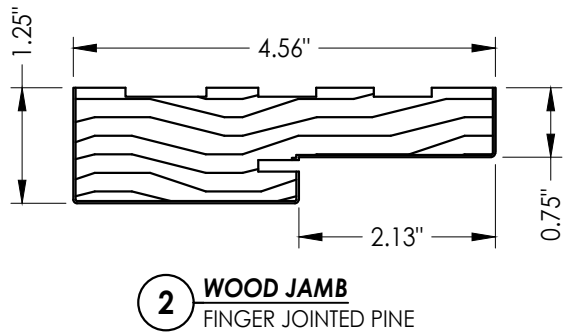
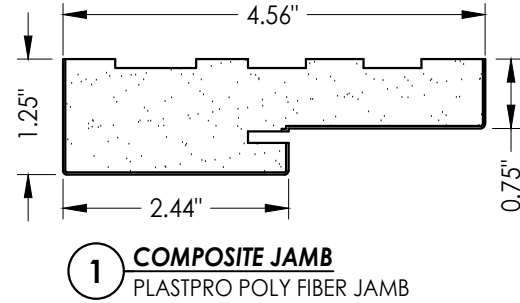
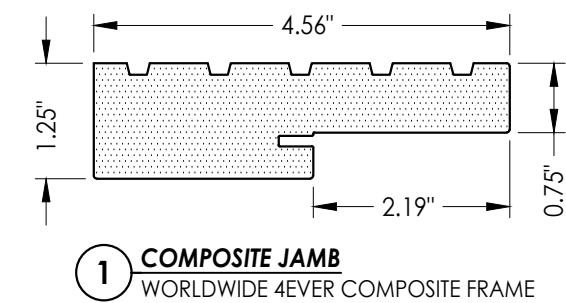
CONCRETE ANCHOR NOTES:

- 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:  
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: ODL  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
BILL OF MATERIALS  
& COMPONENTS

| NO. | DATE | BY | REVISIONS |
|-----|------|----|-----------|
|     |      |    |           |
|     |      |    |           |
|     |      |    |           |
|     |      |    |           |
|     |      |    |           |
|     |      |    |           |
|     |      |    |           |
|     |      |    |           |
|     |      |    |           |

DATE: 10/15/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46116.3

SHEET 12 OF 12