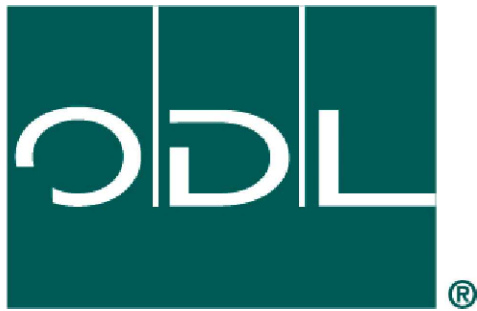




ODL, Inc.

**OPAQUE STEEL ENTRY DOOR**

**DOUBLE w/ or w/out SIDELITES**

**INSWING/OUTSWING**

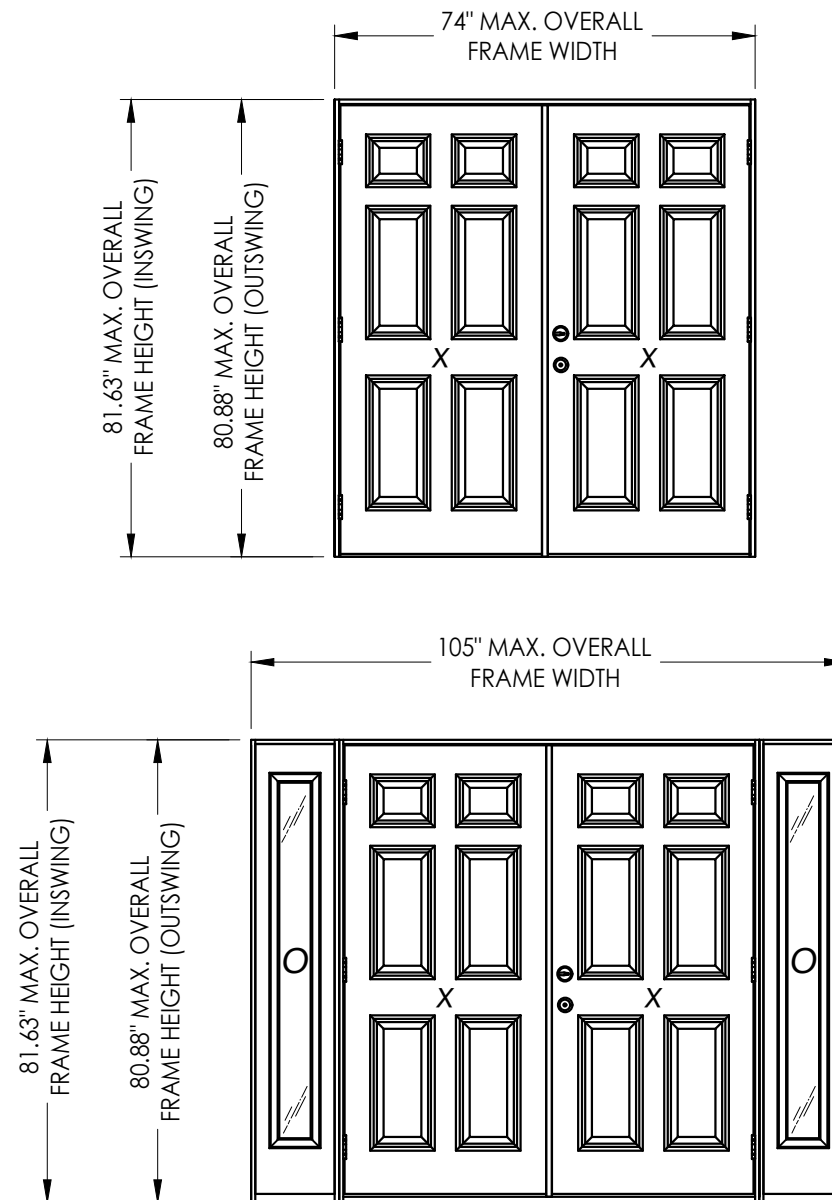
**"IMPACT"**

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 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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.

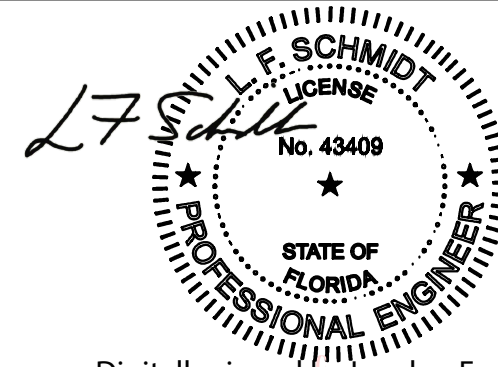
TABLE OF CONTENTS

| SHEET # | DESCRIPTION                                              |
|---------|----------------------------------------------------------|
| 1       | Typical Elevations, Design Pressures & General Notes     |
| 2       | Door Panel Details                                       |
| 3       | Sidelite Panel & 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       | Horizontal Cross Sections                                |
| 9       | Vertical Cross Sections                                  |
| 10      | Buck Anchoring                                           |
| 11      | Frame Anchoring & Hardware Details                       |
| 12      | Astragal Details                                         |
| 13      | Bill of Materials & Components                           |



| CONFIGURATION | MAX. FRAME DIMENSION | JAMB MATERIAL | DESIGN PRESSURE (PSF) |          | DESIGN PRESSURE (PSF) |          |
|---------------|----------------------|---------------|-----------------------|----------|-----------------------|----------|
|               |                      |               | INSWING               |          | OUTSWING              |          |
|               |                      |               | POSITIVE              | NEGATIVE | POSITIVE              | NEGATIVE |
| XX            | 74.0" x 81.63"       | FJ PINE       | +55.0                 | -60.0    | +60.0                 | -60.0    |
| XX            | 74.0" x 81.63"       | COMPOSITE     | +60.0                 | -60.0    | +60.0                 | -60.0    |
| OXXO          | 105.0" x 81.63"      | FJ PINE       | +55.0                 | -60.0    | +60.0                 | -60.0    |
| OXXO          | 105.0" x 81.63"      | COMPOSITE     | +60.0                 | -60.0    | +60.0                 | -60.0    |

NOTE: DESIGN PRESSURES > ±50 PSF REQUIRE THE USE OF THE HURRICANE ASTRAGAL (SEE SHEET 12)

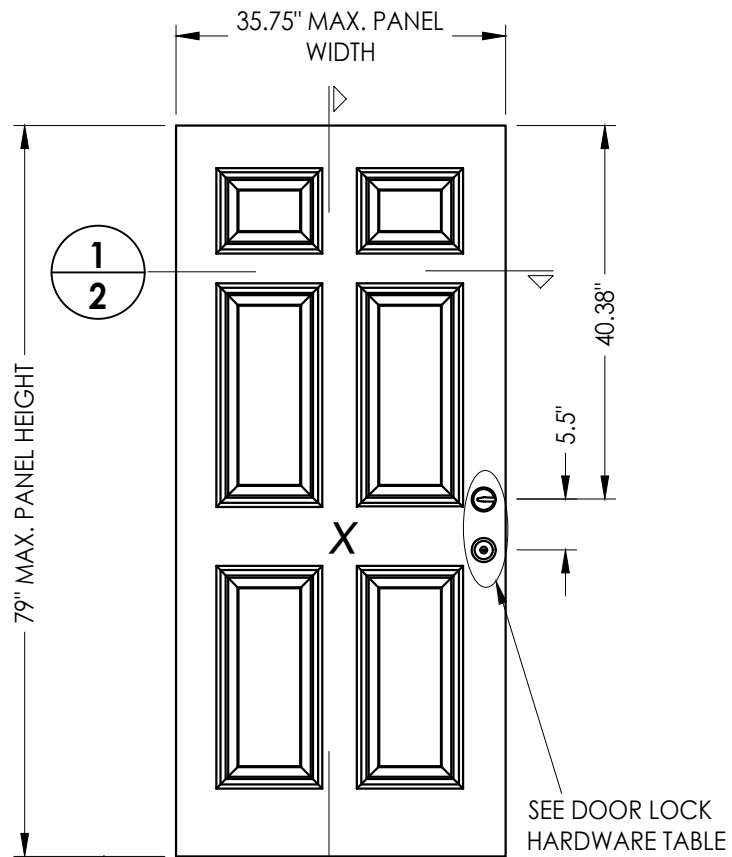


Digitally signed by Lyndon F Schmidt  
Date: 2026.07.16 07:50:51 -04'00'

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.

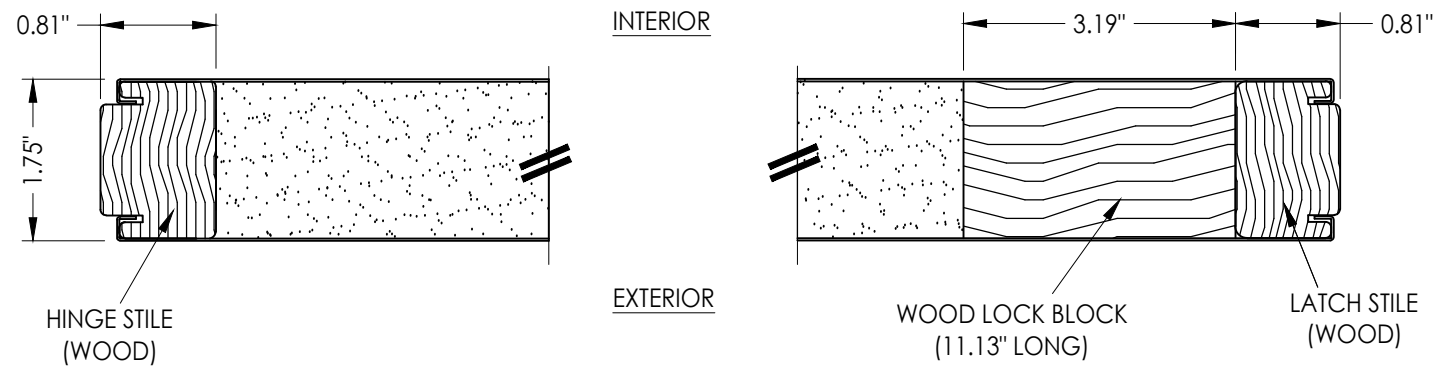
THIS PRODUCT APPROVAL IS VALID ONLY FOR THE STATE OF FLORIDA

|                                                               |  |                                                                                                                    |         |
|---------------------------------------------------------------|--|--------------------------------------------------------------------------------------------------------------------|---------|
| Documents Prepared By:<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>ODL, INC.<br>STEEL DOOR                           |  | PART OR ASSEMBLY:<br>TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES                                           |         |
|                                                               |  | LFS                                                                                                                | BY      |
|                                                               |  | 4                                                                                                                  | 7/02/26 |
|                                                               |  | 3                                                                                                                  | 3/30/26 |
|                                                               |  | NO.                                                                                                                | DATE    |
| DATE: 3/18/26                                                 |  | SCALE: N.T.S.                                                                                                      |         |
| DWG. BY: LFS                                                  |  | CHK. BY: RW                                                                                                        |         |
| DRAWING NO.: FL-29651.9                                       |  | SHEET 1 OF 13                                                                                                      |         |


$$\frac{2}{2}$$

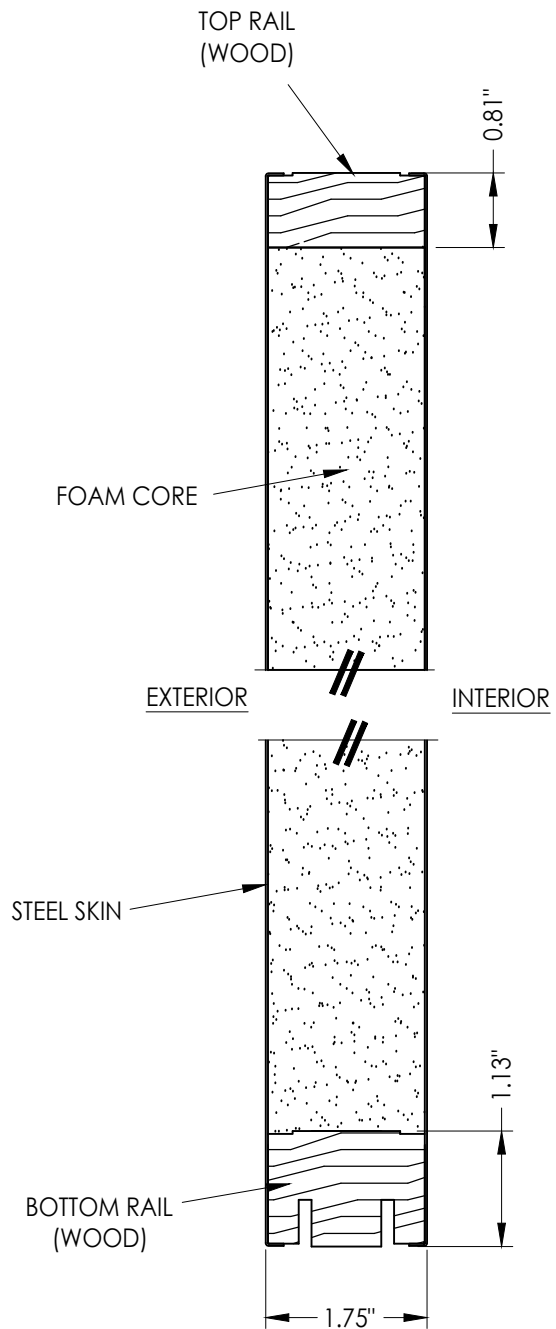
**40 STEEL DOOR PANEL**  
ODL, INC.

STEEL SKIN: 25 GA. (0.018" MIN. THK.)  
FOAM CORE: POLYUREHTANE



**1 HORIZONTAL CROSS SECTION**

| HARDWARE TABLE |                                                            |  |
|----------------|------------------------------------------------------------|--|
| MANUFACTURER   | MODEL                                                      |  |
| KWIKSET        | KNOB: SIGNATURE SERIES<br>DEADBOLT: SIGNATURE SERIES (780) |  |
| SCHLAGE        | KNOB: F-SERIES (F51)<br>DEADBOLT: B-SERIES (B60)           |  |



**2 VERTICAL CROSS SECTION**

[illegible]

DATE: 3/18/26

SCALE: *N.T.S.*

DWG. BY: *LFS*

CHK. BY: *RW*

DRAWING NO.:

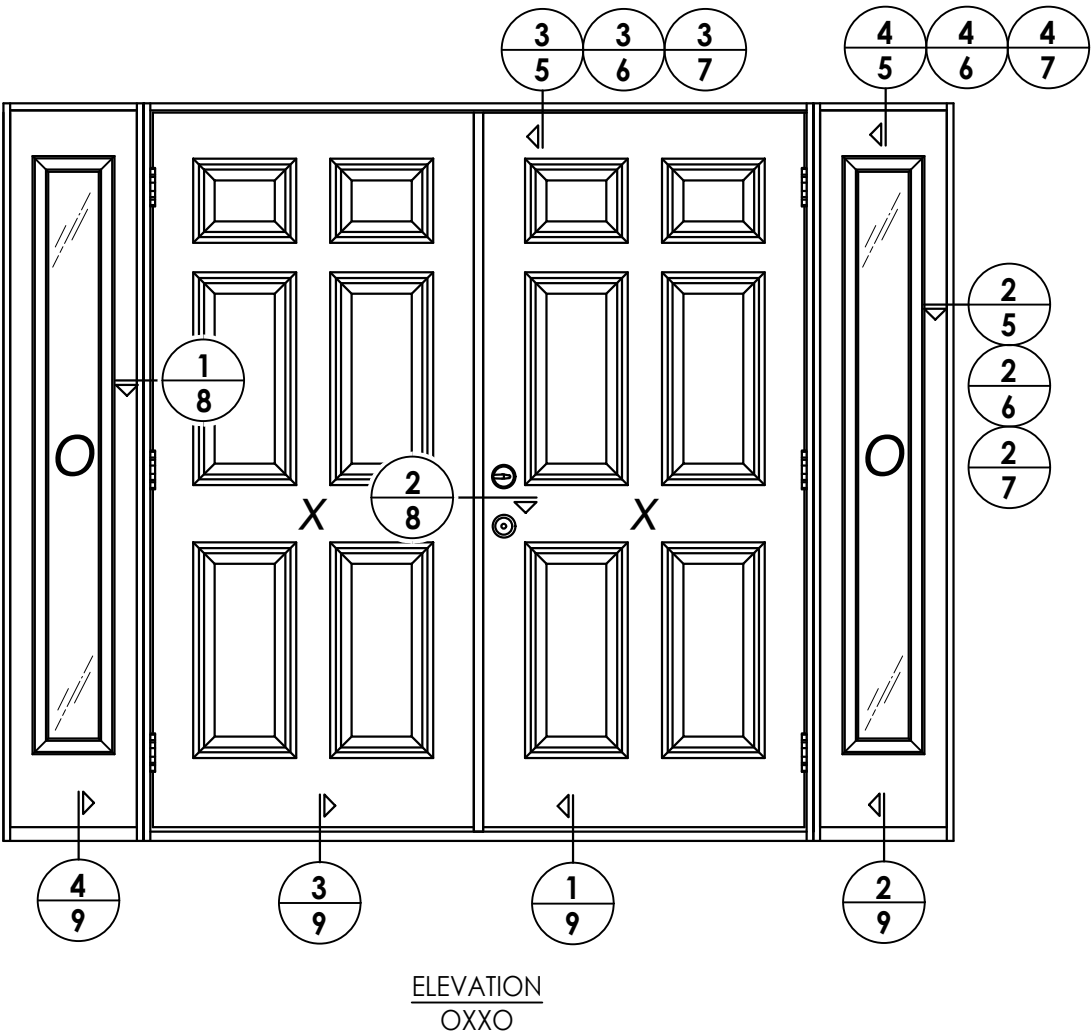
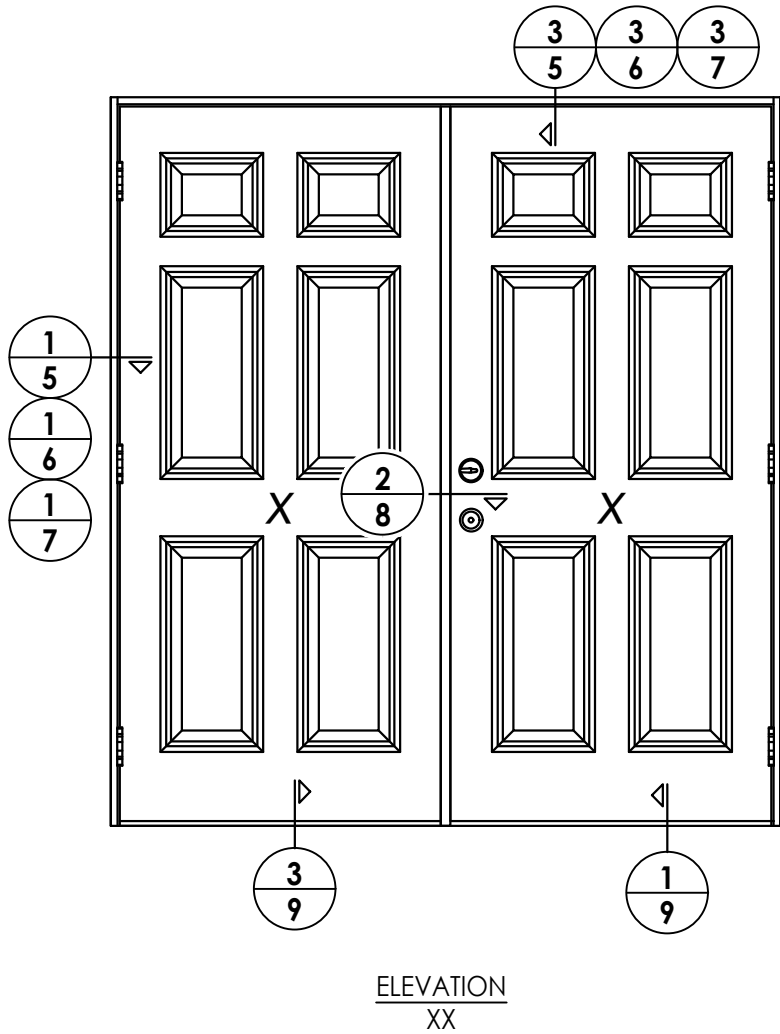
FL-29651.9

SHEET 2 OF 13

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

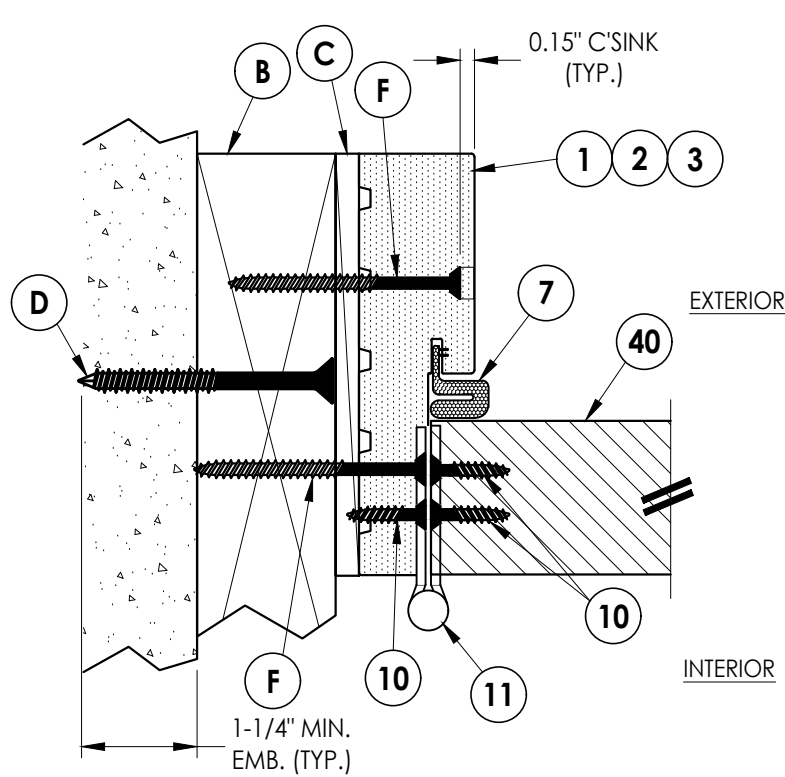
BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813



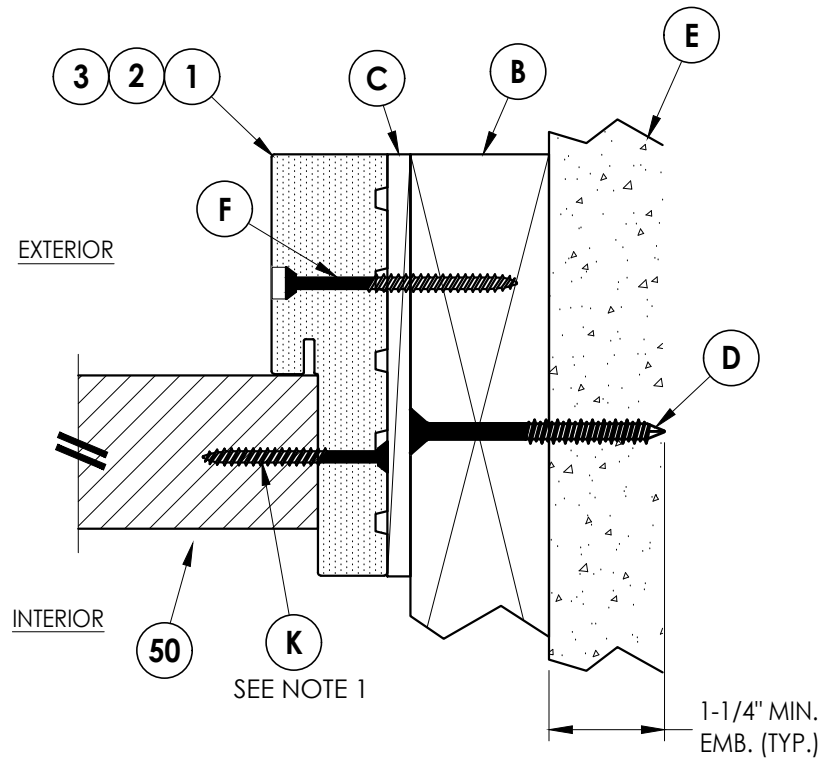


|                            |  |  |  |                                                                                                                    |  |  |  |
|----------------------------|--|--|--|--------------------------------------------------------------------------------------------------------------------|--|--|--|
| DATE: 3/18/26              |  |  |  | Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409                                                      |  |  |  |
| SCALE: N.T.S.              |  |  |  |                                                                                                                    |  |  |  |
| DWG. BY: LFS               |  |  |  | BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |  |  |  |
| CHK. BY: RW                |  |  |  |                                                                                                                    |  |  |  |
| DRAWING NO.:<br>FL-29651.9 |  |  |  | RW                                                                                                                 |  |  |  |
| SHEET 4 OF 13              |  |  |  |                                                                                                                    |  |  |  |
|                            |  |  |  | PRODUCT:<br>ODL, INC.<br>STEEL DOOR                                                                                |  |  |  |
|                            |  |  |  |                                                                                                                    |  |  |  |
|                            |  |  |  | PART OR ASSEMBLY:<br>ELEVATIONS                                                                                    |  |  |  |
|                            |  |  |  |                                                                                                                    |  |  |  |
|                            |  |  |  | REVISIONS                                                                                                          |  |  |  |
|                            |  |  |  |                                                                                                                    |  |  |  |
|                            |  |  |  | LFS                                                                                                                |  |  |  |
|                            |  |  |  |                                                                                                                    |  |  |  |
|                            |  |  |  | LFS                                                                                                                |  |  |  |
|                            |  |  |  |                                                                                                                    |  |  |  |
|                            |  |  |  | BY                                                                                                                 |  |  |  |
|                            |  |  |  |                                                                                                                    |  |  |  |
|                            |  |  |  | 4 7/02/26 UPDATE TO 9TH ED. (2026) FBC                                                                             |  |  |  |
|                            |  |  |  |                                                                                                                    |  |  |  |
|                            |  |  |  | 3 3/30/26 MANUFACTURER'S NAME CHANGE                                                                               |  |  |  |
|                            |  |  |  |                                                                                                                    |  |  |  |
|                            |  |  |  | NO. DATE                                                                                                           |  |  |  |
|                            |  |  |  |                                                                                                                    |  |  |  |

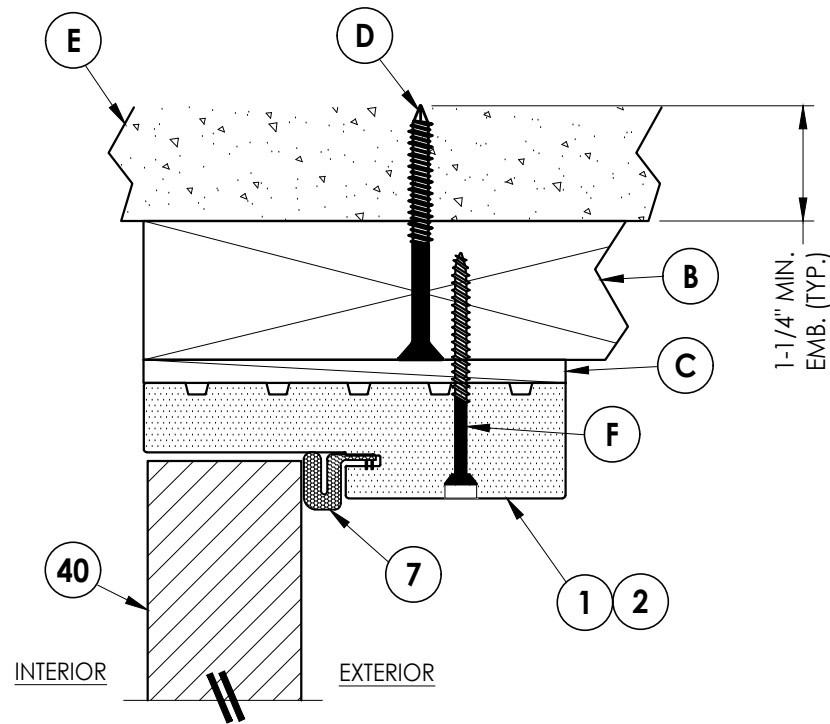
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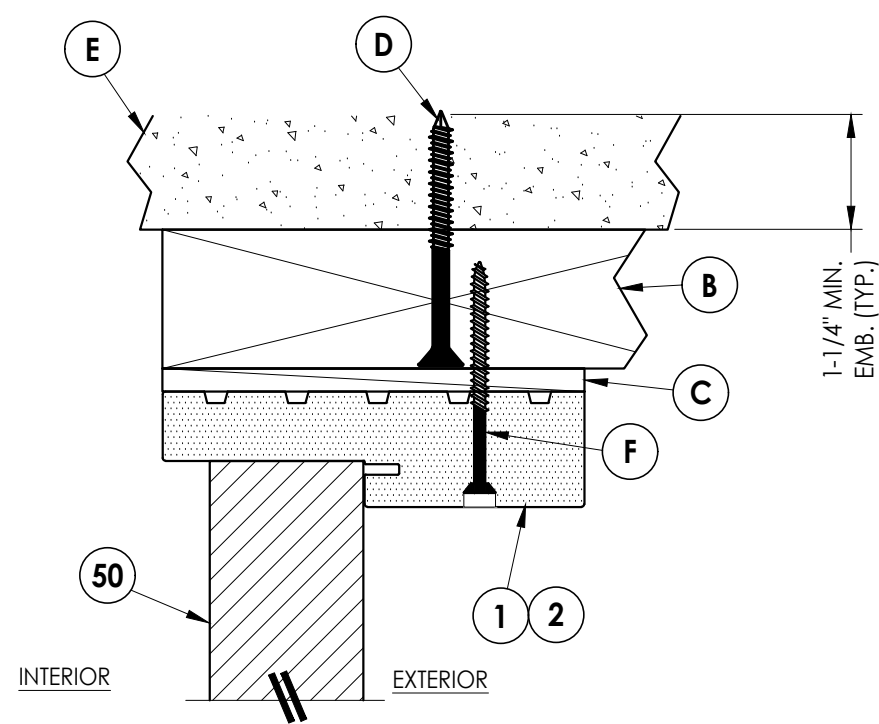
**1** **HORIZONTAL CROSS SECTION**  
**5** Inswing Shown (Outswing Similar)  
2X Buck Construction



**2** **HORIZONTAL CROSS SECTION**  
**5** Inswing Shown (Outswing Similar)  
2X Buck Construction



**3** **VERTICAL CROSS SECTION**  
**5** Inswing Shown (Outswing Similar)  
2X Buck Construction



**4** **VERTICAL CROSS SECTION**  
**5** Inswing Shown (Outswing Similar)  
2X Buck Construction

NOTE:

1. Sidelite attached @ 6" from each end plus 4 more screws equally spaced between (6 screws total per jamb).

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

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

*RW*

PRODUCT: ODL, INC.  
STEEL DOOR

PART OR ASSEMBLY:  
HORIZONTAL & VERTICAL  
CROSS SECTIONS (2X BUCK)

| NO. | DATE    | REVISIONS                    |
|-----|---------|------------------------------|
| 4   | 7/02/26 | UPDATE TO 9TH ED. (2026) FBC |
| 3   | 3/30/26 | MANUFACTURER'S NAME CHANGE   |
| 1   |         |                              |

DATE: 3/18/26

SCALE: N.T.S.

DWG. BY: LFS

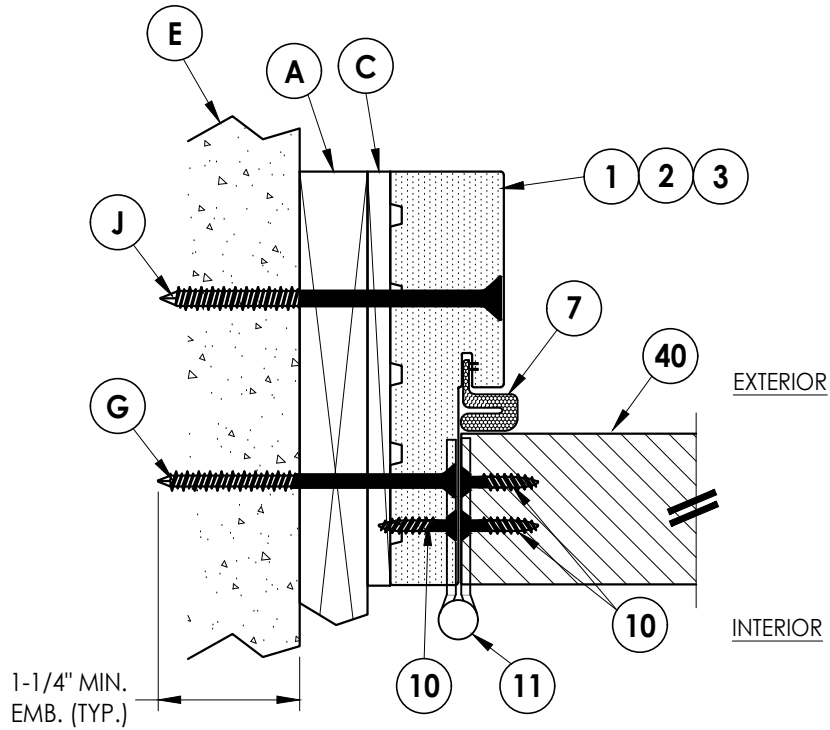
CHK. BY: RW

DRAWING NO.:

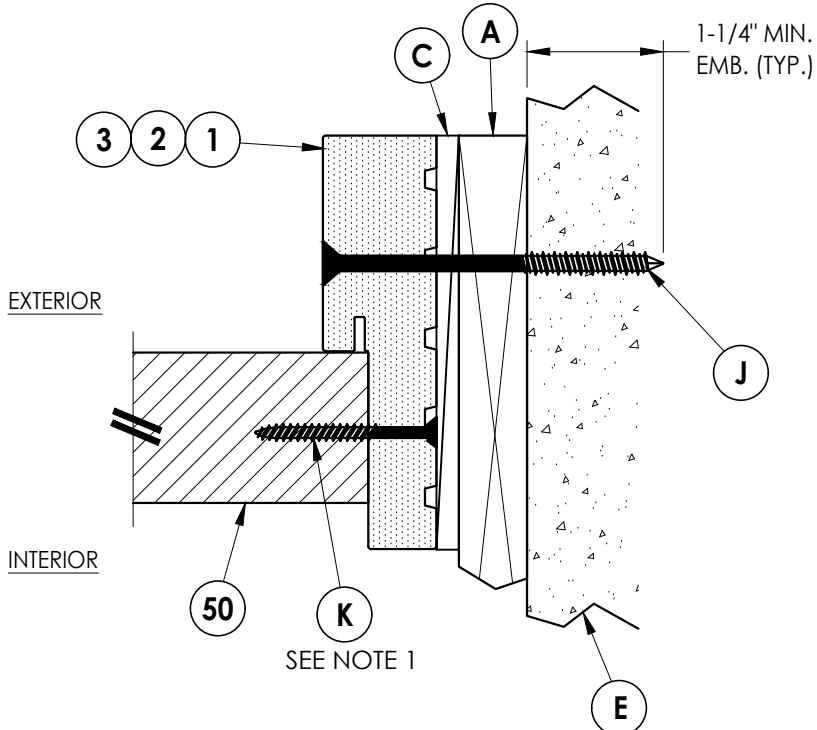
FL-29651.9

SHEET 5 OF 13

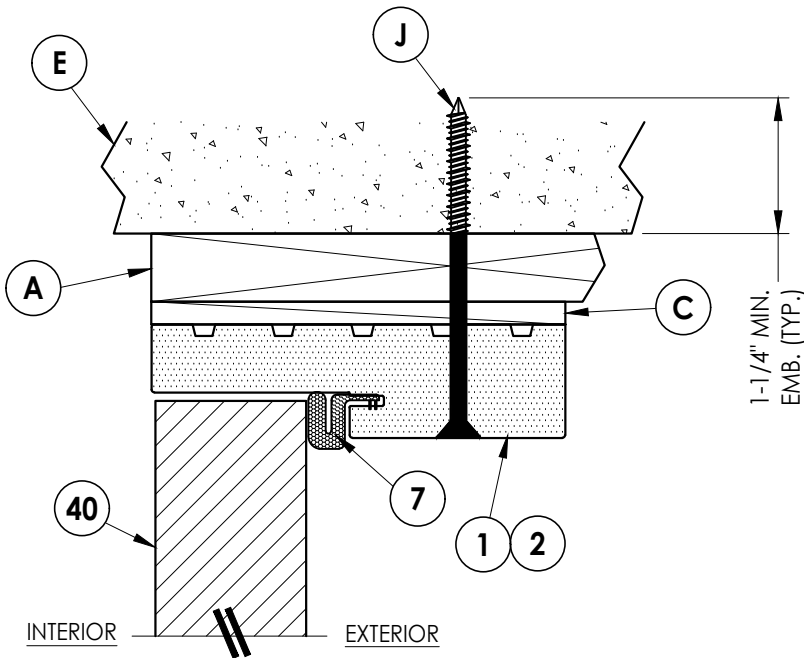
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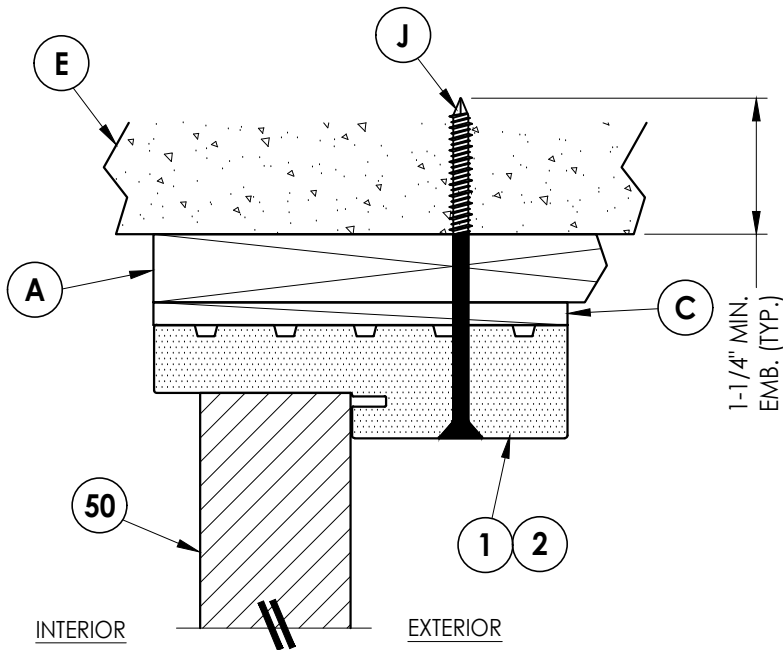
**1** **HORIZONTAL CROSS SECTION**  
**6** Inswing Shown (Outswing Similar)  
1X Buck Construction



**2** **HORIZONTAL CROSS SECTION**  
**6** Inswing Shown (Outswing Similar)  
1X Buck Construction



**3** **VERTICAL CROSS SECTION**  
**6** Inswing Shown (Outswing Similar)  
1X Buck Construction



**4** **VERTICAL CROSS SECTION**  
**6** Inswing Shown (Outswing Similar)  
1X Buck Construction

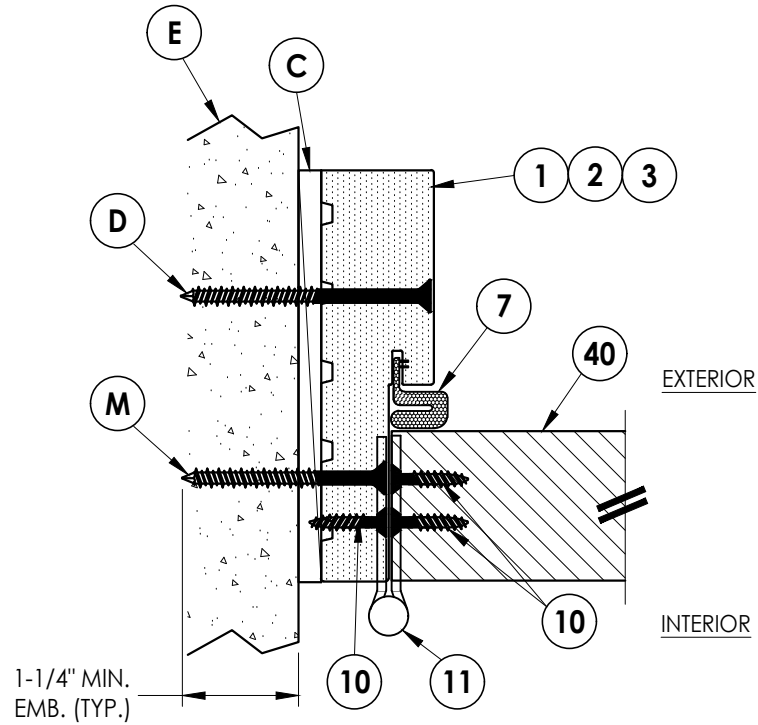
NOTE:  
1. Sidelite attached @ 6" from each end plus  
4 more screws equally spaced between  
(6 screws total per jamb).

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

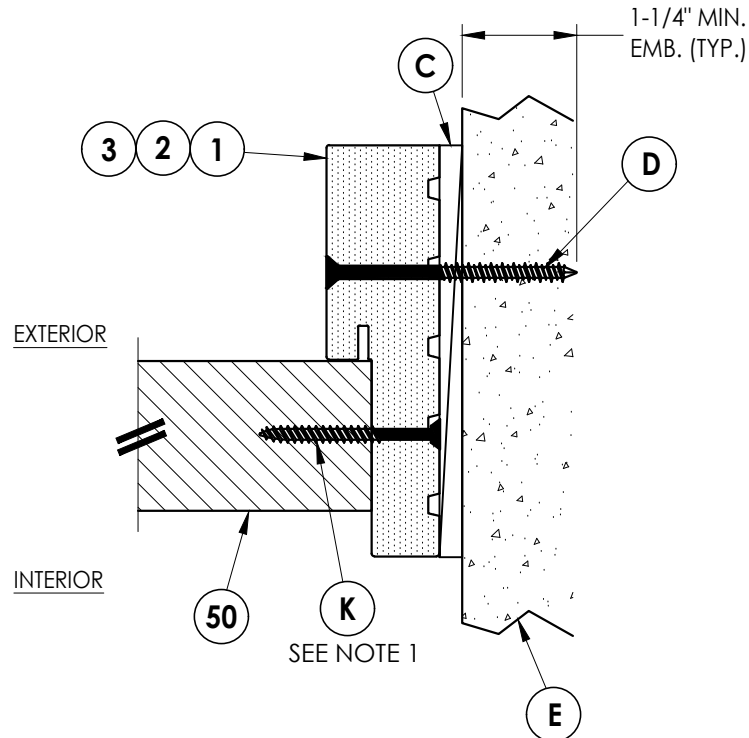
**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

| PRODUCT:                |         | ODL, INC.<br>STEEL DOOR                           |     |
|-------------------------|---------|---------------------------------------------------|-----|
| PART OR ASSEMBLY:       |         | HORIZONTAL & VERTICAL<br>CROSS SECTIONS (1X BUCK) |     |
| NO.                     | DATE    | REVISIONS                                         |     |
|                         |         | LFS                                               | BY  |
| 4                       | 7/02/26 | UPDATE TO 9TH ED. (2026) FBC                      | LFS |
| 3                       | 3/30/26 | MANUFACTURER'S NAME CHANGE                        | LFS |
| DATE: 3/18/26           |         |                                                   |     |
| SCALE: N.T.S.           |         |                                                   |     |
| DWG. BY: LFS            |         |                                                   |     |
| CHK. BY: RW             |         |                                                   |     |
| DRAWING NO.: FL-29651.9 |         |                                                   |     |
| SHEET 6 OF 13           |         |                                                   |     |

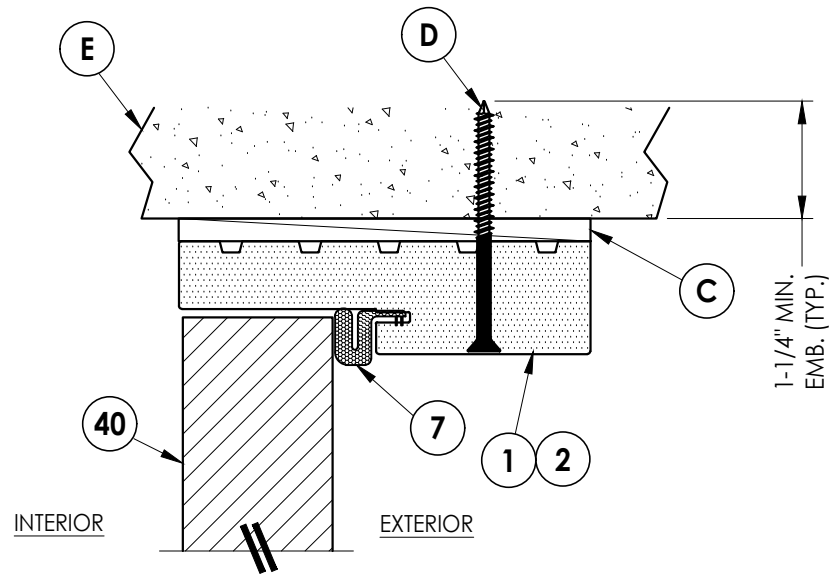
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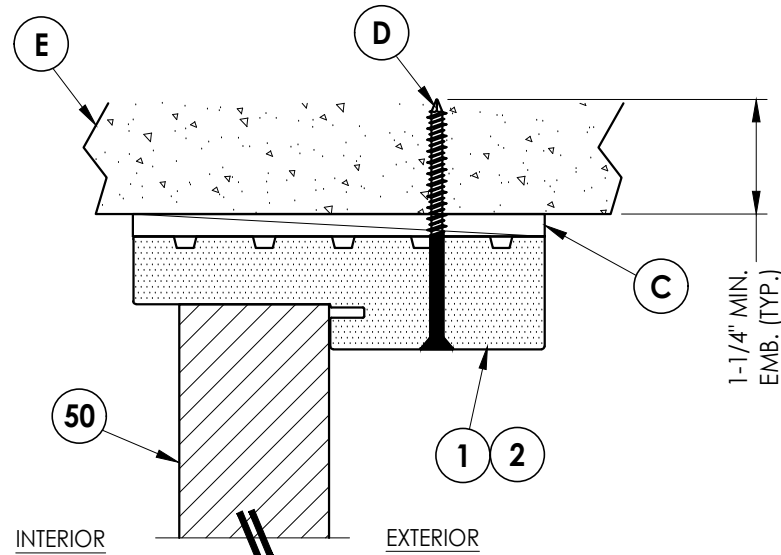
**1**  
**7** **HORIZONTAL CROSS SECTION**  
Inswing Shown (Outswing Similar)  
Shown Direct to Masonry



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



**3**  
**7** **VERTICAL CROSS SECTION**  
Inswing Shown (Outswing Similar)  
Shown Direct to Masonry



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

NOTE:

1. Sidelite attached @ 6" from each end plus 4 more screws equally spaced between (6 screws total per jamb).

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, INC.<br>STEEL DOOR                                                          |  |
|          | PART OR ASSEMBLY:<br>HORIZONTAL & VERTICAL CROSS<br>SECTIONS (DIRECT TO MASONRY) |  |

| NO. | DATE    | REVISIONS                    |     |
|-----|---------|------------------------------|-----|
|     |         |                              |     |
| 4   | 7/02/26 | UPDATE TO 9TH ED. (2026) FBC | LFS |
| 3   | 3/30/26 | MANUFACTURER'S NAME CHANGE   | LFS |

DATE: 3/18/26

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

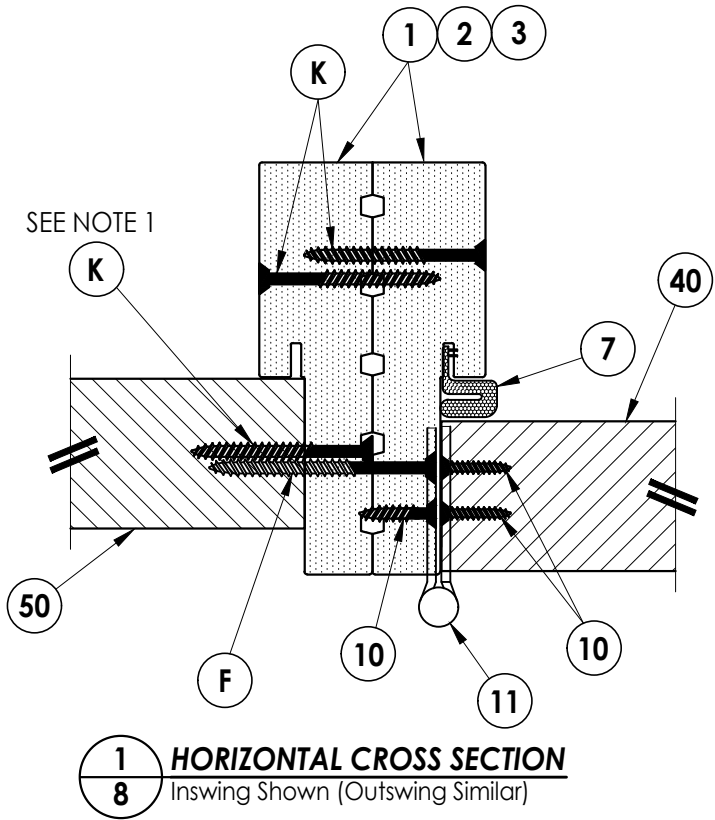
FL-29651.9

SHEET 7 OF 13

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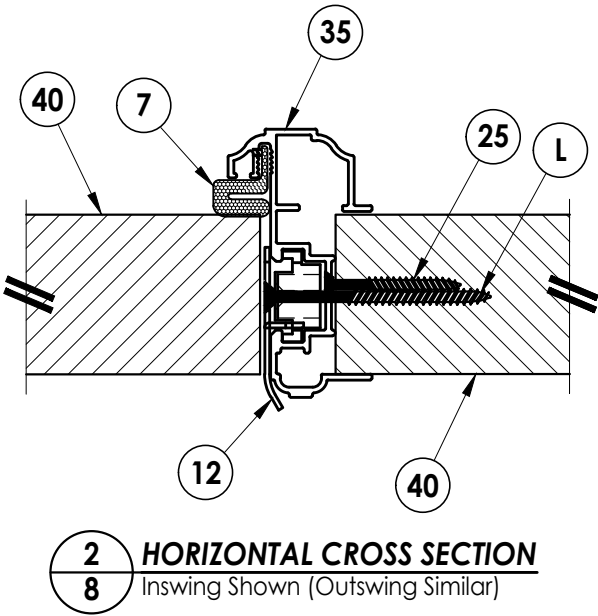
NOTE:

1. Sidelite attached @ 6" from each end plus 4 more screws equally spaced between (6 screws total per jamb).



EXTERIOR

INTERIOR

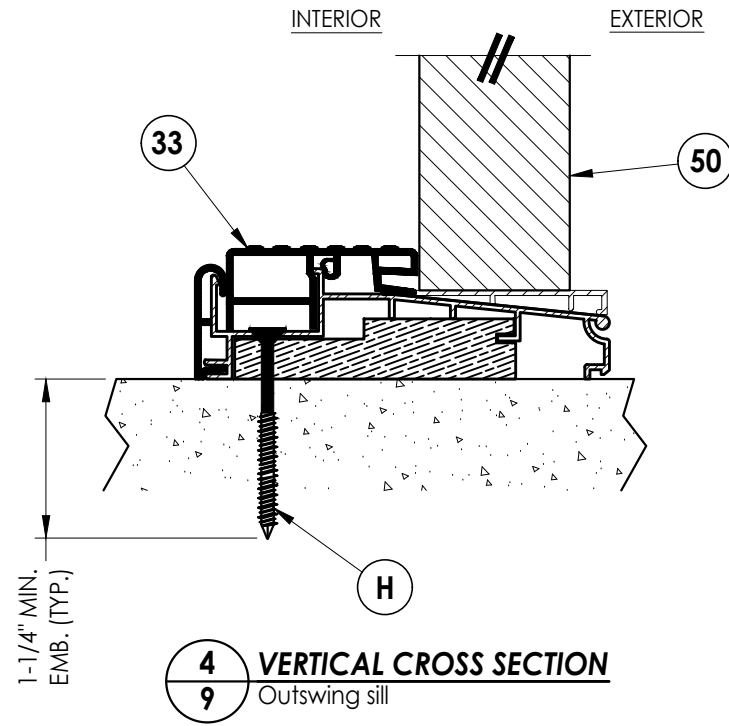


| NO. | DATE    | REVISIONS                    |
|-----|---------|------------------------------|
| 4   | 7/02/26 | UPDATE TO 9TH ED. (2026) FBC |
| 3   | 3/30/26 | MANUFACTURER'S NAME CHANGE   |

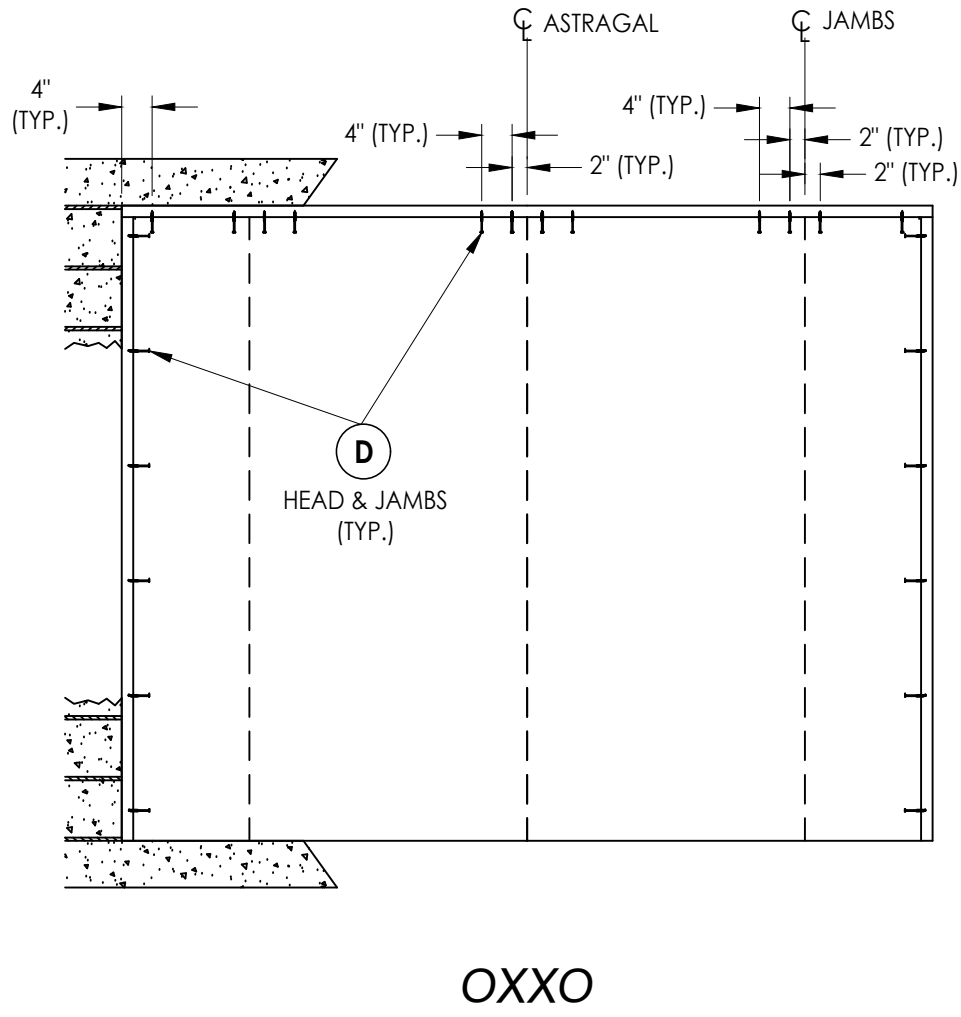
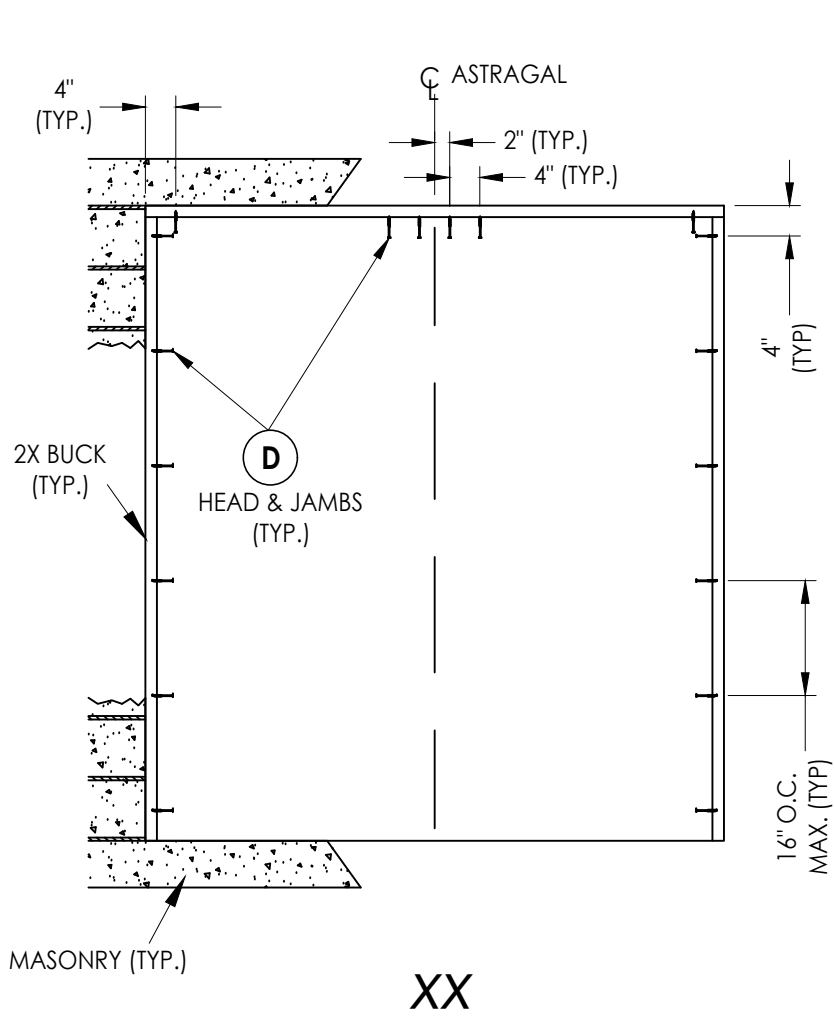
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|--------------|------------|
| DATE:        | 3/18/26    |
| SCALE:       | N.T.S.     |
| DWG. BY:     | LFS        |
| CHK. BY:     | RW         |
| DRAWING NO.: | FL-29651.9 |
| SHEET        | 8 OF 13    |

|                   |                              |
|-------------------|------------------------------|
| PRODUCT:          | ODL, INC.<br>STEEL DOOR      |
| PART OR ASSEMBLY: | HORIZONTAL CROSS<br>SECTIONS |

|                                                               |                                                                                                                                 |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|
| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409 | <i>RW</i><br>BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |
|---------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------|

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## 2X BUCK ANCHORING

### 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, INC.  
STEEL DOOR

PART OR ASSEMBLY:  
BUCK ANCHORING

| NO. | DATE    | REVISIONS                    |
|-----|---------|------------------------------|
| 4   | 7/02/26 | UPDATE TO 9TH ED. (2026) FBC |
| 3   | 3/30/26 | MANUFACTURER'S NAME CHANGE   |
|     |         | LFS                          |
|     |         | BY                           |

DATE: 3/18/26

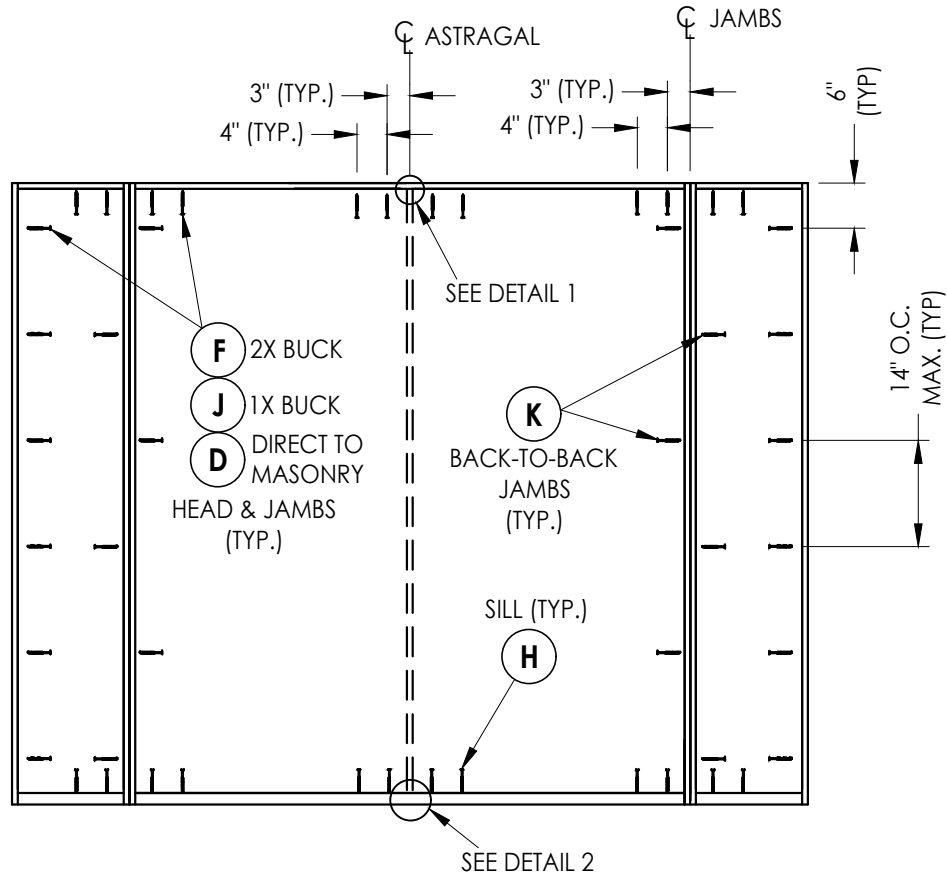
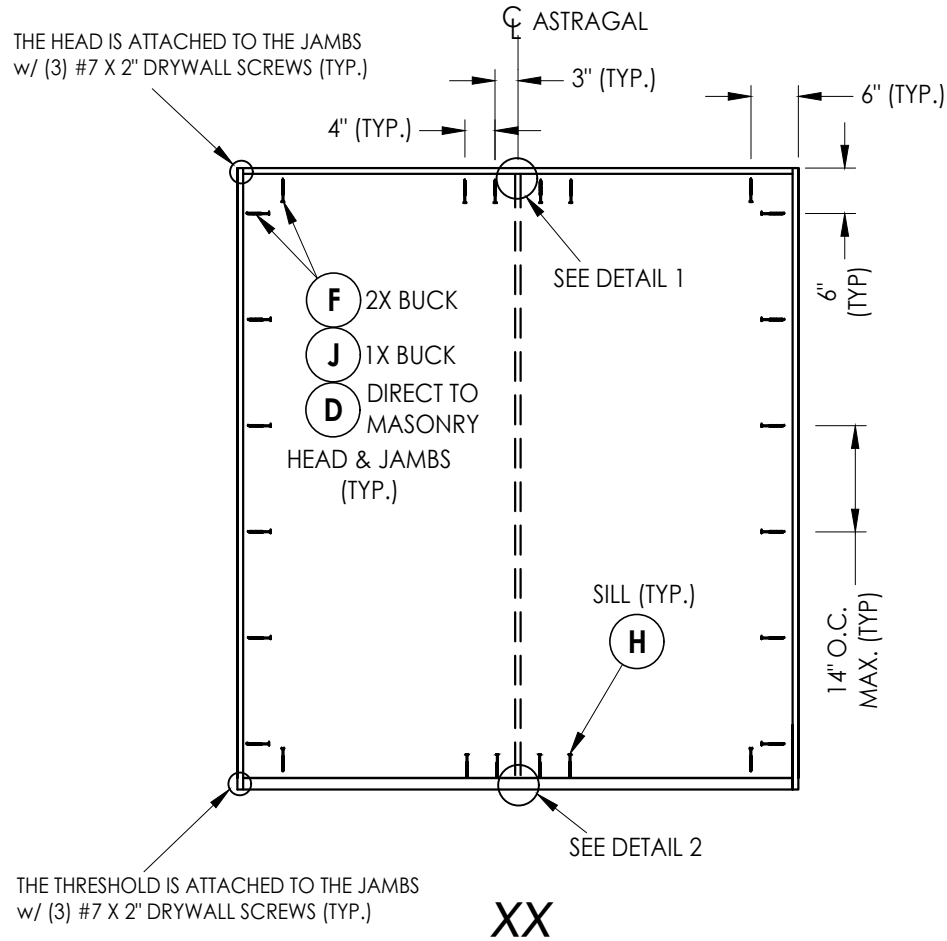
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DWG. BY: LFS

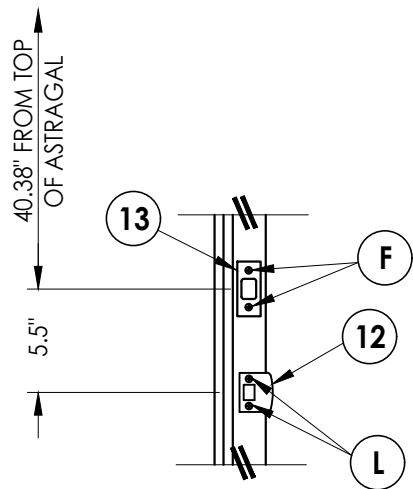
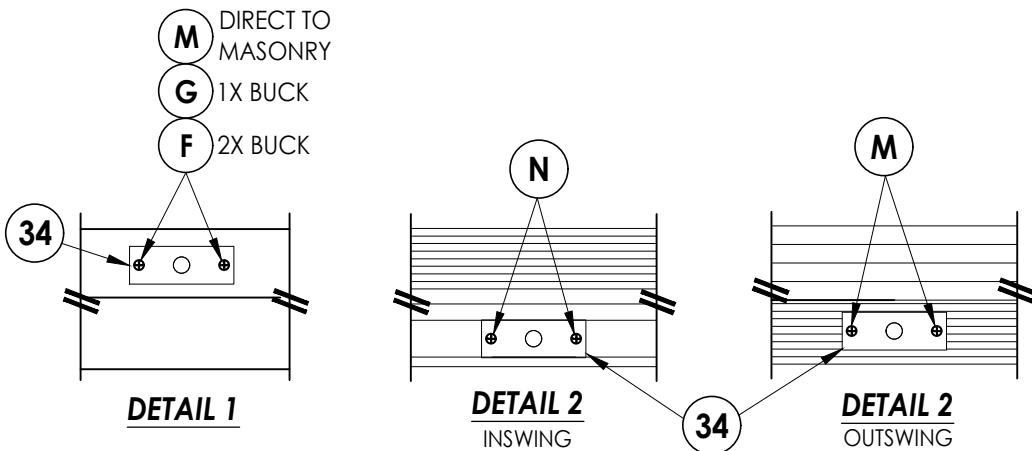
CHK. BY: RW

DRAWING NO.:  
FL-29651.9

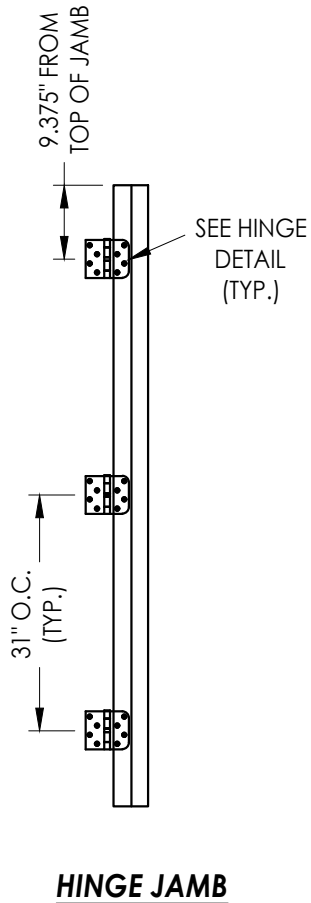
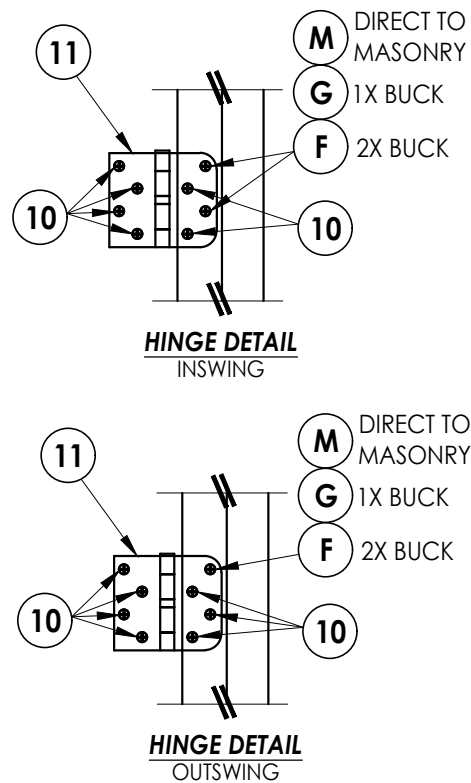
SHEET 10 OF 13



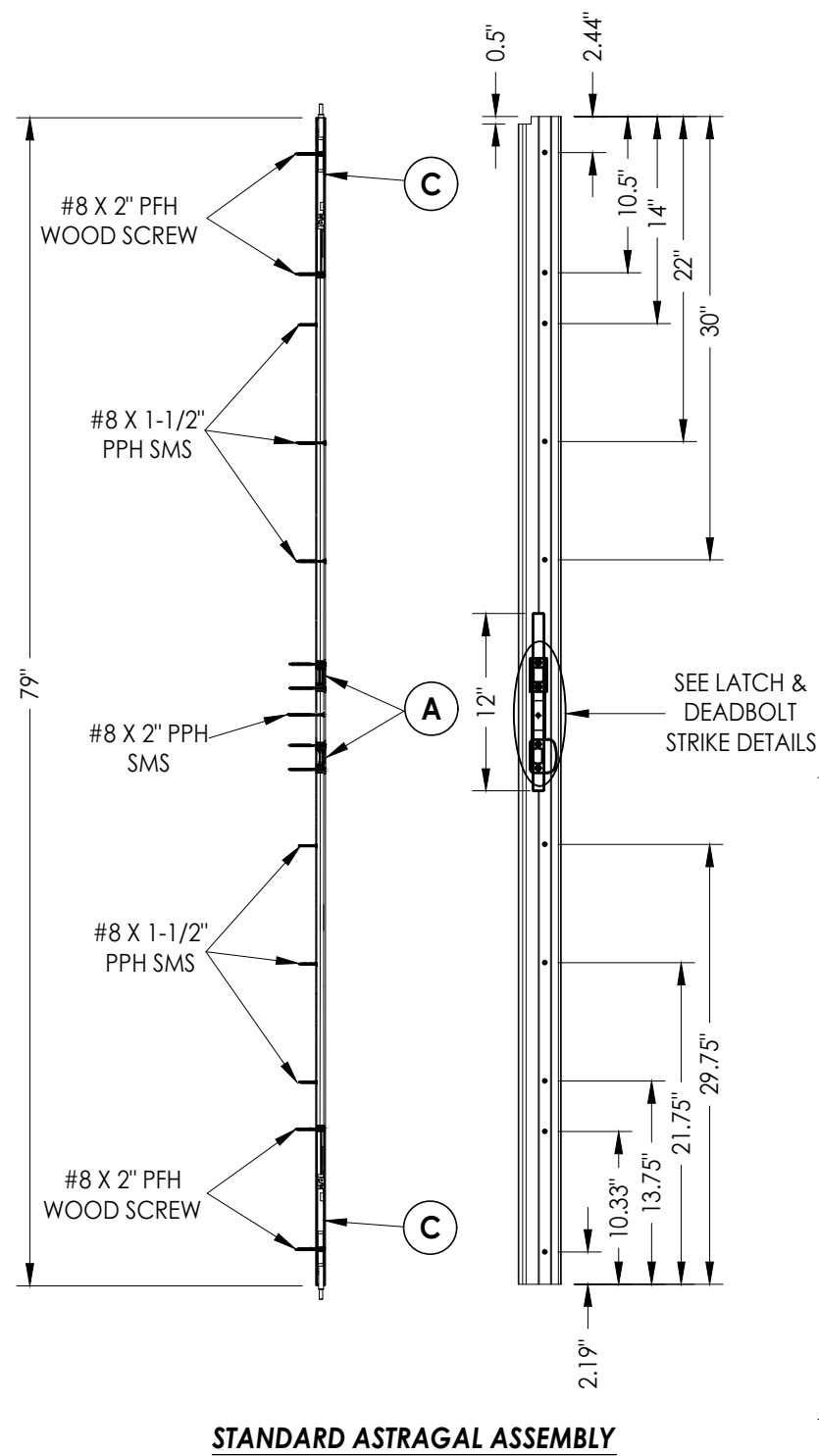
**FRAME ANCHORING**



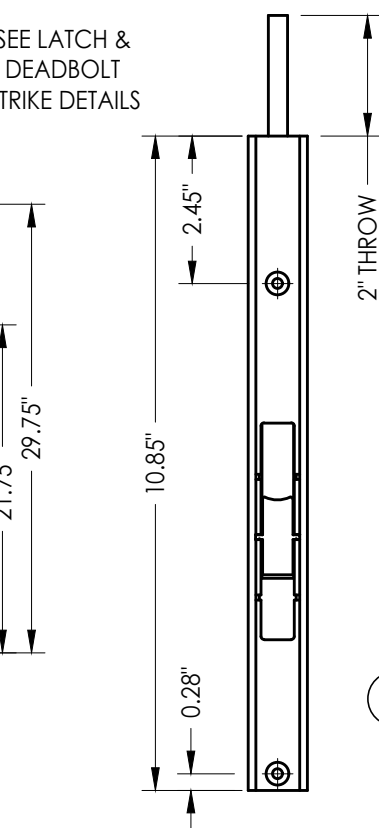
**LATCH & DEADBOLT STRIKE DETAILS**



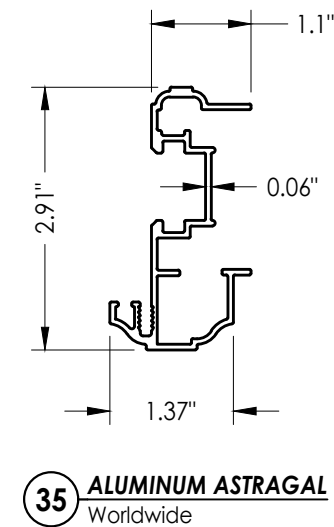
|                                                               |  |  |  |                                                                                                                    |                              |           |  |
|---------------------------------------------------------------|--|--|--|--------------------------------------------------------------------------------------------------------------------|------------------------------|-----------|--|
| 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>ODL, INC.<br>STEEL DOOR                           |  |  |  | PART OR ASSEMBLY:<br>FRAME ANCHORING<br>& HARDWARE DETAILS                                                         |                              |           |  |
|                                                               |  |  |  | LFS                                                                                                                | UPDATE TO 9TH ED. (2026) FBC | BY        |  |
|                                                               |  |  |  | LFS                                                                                                                | MANUFACTURER'S NAME CHANGE   |           |  |
|                                                               |  |  |  | NO.                                                                                                                | DATE                         | REVISIONS |  |
| DATE: 3/18/26                                                 |  |  |  |                                                                                                                    |                              |           |  |
| SCALE: N.T.S.                                                 |  |  |  |                                                                                                                    |                              |           |  |
| DWG. BY: LFS                                                  |  |  |  |                                                                                                                    |                              |           |  |
| CHK. BY: RW                                                   |  |  |  |                                                                                                                    |                              |           |  |
| DRAWING NO.: FL-29651.9                                       |  |  |  |                                                                                                                    |                              |           |  |
| SHEET 11 OF 13                                                |  |  |  |                                                                                                                    |                              |           |  |



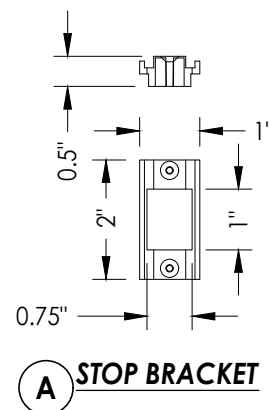
### STANDARD ASTRAGAL ASSEMBLY



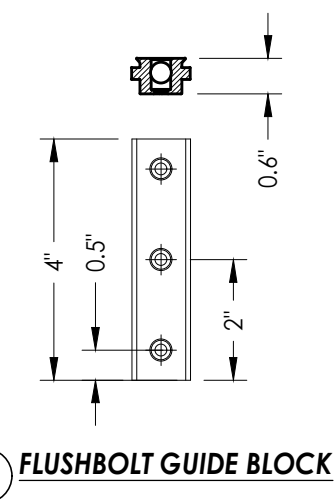
**SLIDE LOCK FLUSHBOLT ASSEMBLY**  
STANDARD ASTRAGAL



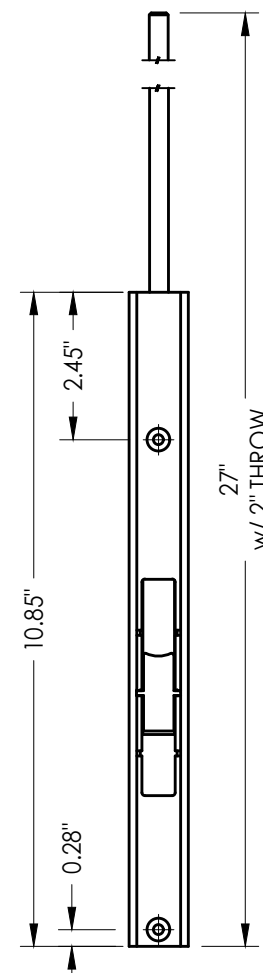
**35 ALUMINUM ASTRAGAL**  
Worldwide



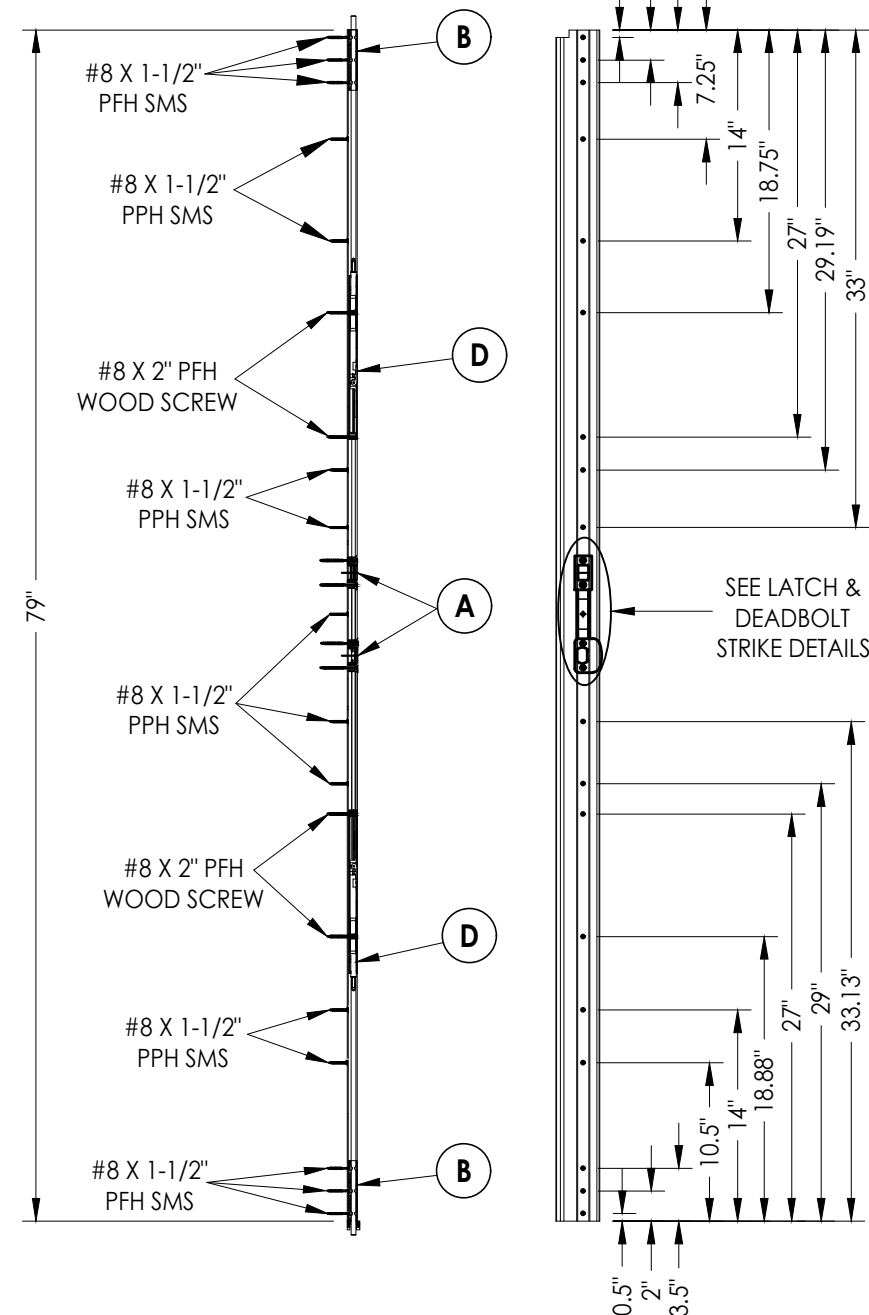
**A STOP BRACKET**



## FLUSHBOLT GUIDE BLOCK



**D SLIDE LOCK FLUSHBOLT ASSEMBLY**  
HURRICANE ASTRAGAL



## HURRICANE ASTRAGAL ASSEMBLY

[illegible]

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

***R<sup>2</sup>W***  
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