



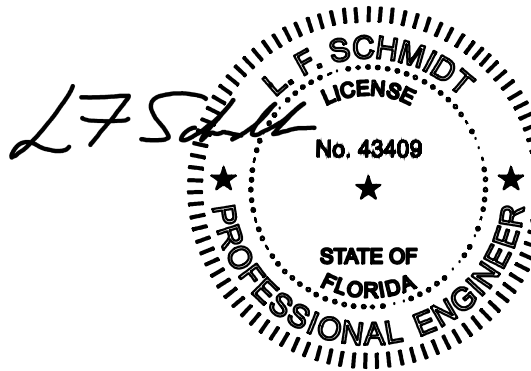
5200 W. CENTURY BLVD.  
LOS ANGELES, CA 90045

Smooth / Wood Grain / White Wood Grain  
Rustic / Mahogany  
Series O Fiberglass Door  
OUTSWING  
"IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including 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 the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" 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 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
5. For 2x stud construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations meet water infiltration requirements for "HVHZ".

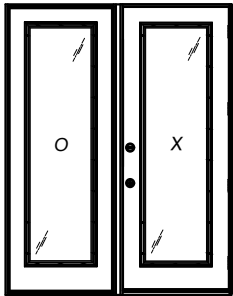
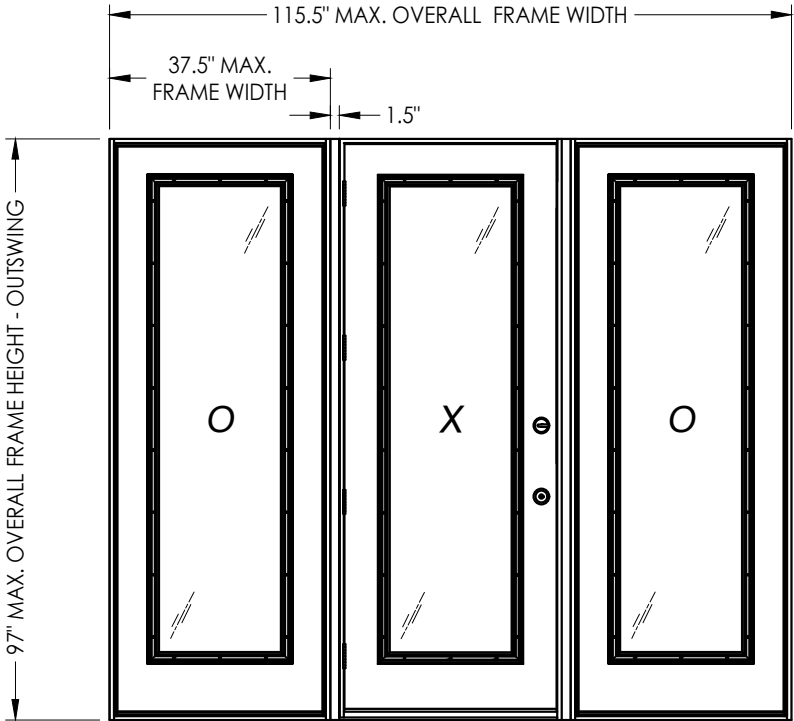
| TABLE OF CONTENTS |                                                          |
|-------------------|----------------------------------------------------------|
| SHEET #           | DESCRIPTION                                              |
| 1                 | Typical elevations, design pressures & general notes     |
| 2                 | Door panel details                                       |
| 3                 | Sidelite panel details                                   |
| 4                 | Lite frame details and glazing details                   |
| 5                 | Elevations                                               |
| 6                 | Horizontal & Vertical Cross Sections (2X Buck)           |
| 7                 | Horizontal & Vertical Cross Sections (1X Buck)           |
| 8                 | Horizontal & Vertical Cross Sections (Direct to Masonry) |
| 9                 | Vertical Cross Sections (Thresholds)                     |
| 10                | Buck anchoring                                           |
| 11                | Frame anchoring                                          |
| 12                | Bill of materials and components                         |



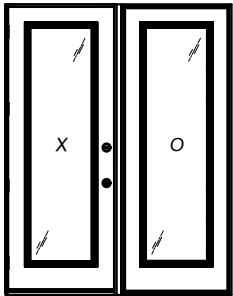
Digitally signed by Lyndon F Schmidt  
Date: 2023.08.22 08:38:20 -04'00'

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



OX



XO

| CONFIGURATION | MAX. FRAME DIMENSION | DESIGN PRESSURE (PSF) W/POLY FIBER JAMB |          | DESIGN PRESSURE (PSF) W/ WOOD JAMB |          |
|---------------|----------------------|-----------------------------------------|----------|------------------------------------|----------|
|               |                      | POSITIVE                                | NEGATIVE | POSITIVE                           | NEGATIVE |
| OX/XO         | 76.5" x 97.0"        | +65.0                                   | -65.0    | +50.0                              | -50.0    |
| OXO           | 115.5" x 97.0"       | +65.0                                   | -65.0    | +50.0                              | -50.0    |

See Sheet 2 for hardware design pressure limitations

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

PLASTPRO  
FIBERGLASS DOOR

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

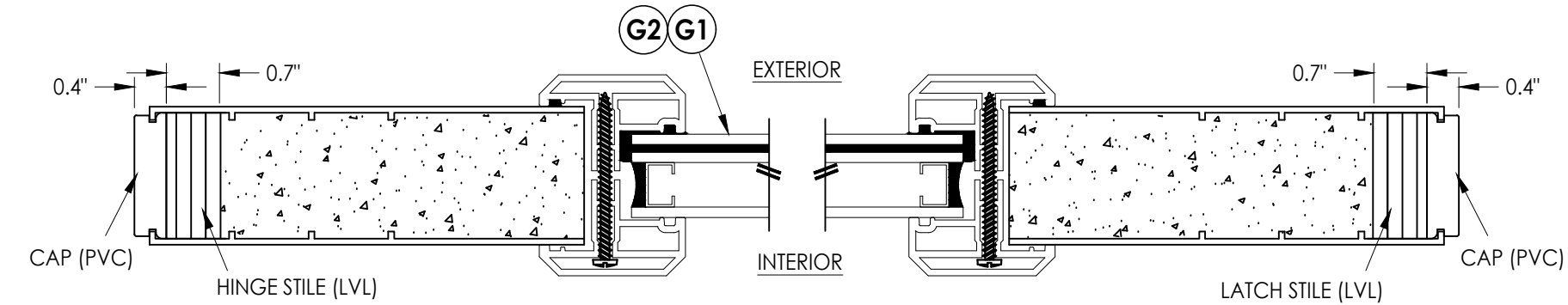
|     |         |                          |     |     |
|-----|---------|--------------------------|-----|-----|
| 4   | 8/17/23 | UPDATE TO 8TH ED. (2023) | FBC | LFS |
| 3   | 7/27/20 | UPDATE TO 7TH ED. (2020) | FBC | LFS |
| 2   | 7/24/17 | UPDATE TO 6TH ED. (2017) | FBC | JK  |
| 1   | 3/9/15  | UPDATE TO 5TH ED. (2014) | FBC | JK  |
| NO. | DATE    | REVISIONS                |     |     |

DATE: 06/20/12  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-15210.8  
SHEET 1 OF 12

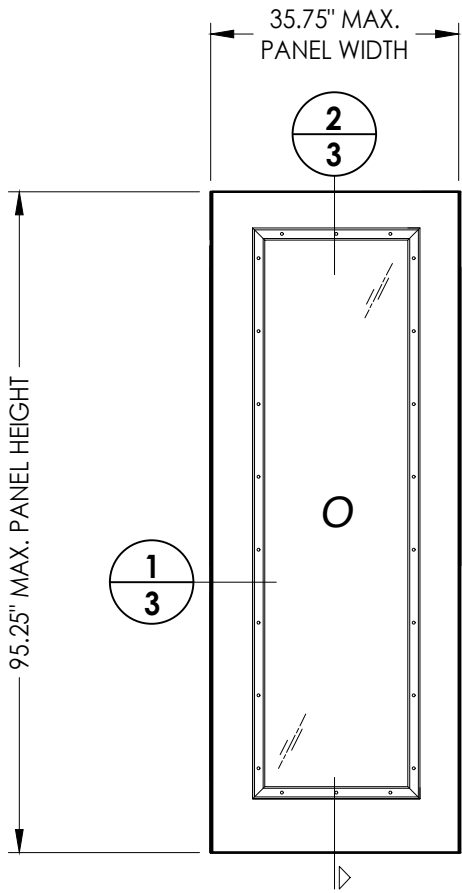
Building Consultants, Inc.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813



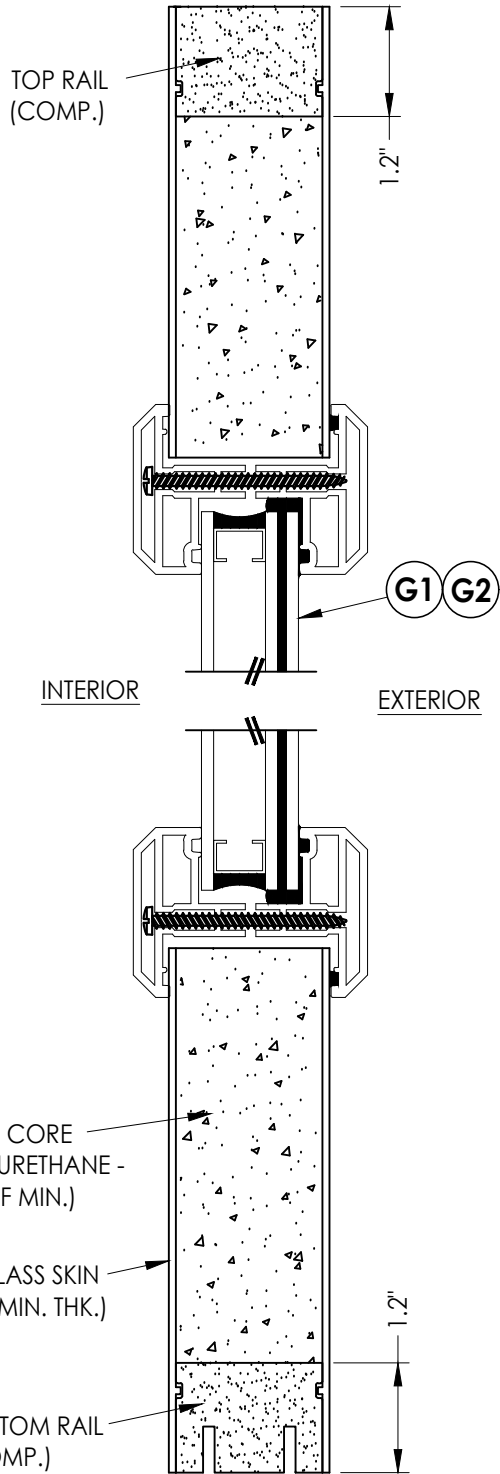
Z:\2023 FBC Drawings\Plastpro\FL-15210 R10\FL-15210.8.dwg



1  
3 **HORIZONTAL CROSS SECTION**



50 **SIDELITE PANEL**



2  
3 **VERTICAL CROSS SECTION**

| NO. | DATE    | REVISIONS                |     |     |    |
|-----|---------|--------------------------|-----|-----|----|
|     |         | JK                       | FBC | LFS | BY |
| 4   | 8/17/23 | UPDATE TO 8TH ED. (2023) | FBC | LFS |    |
| 3   | 7/27/20 | UPDATE TO 7TH ED (2020)  | FBC | LFS |    |
| 2   | 7/24/17 | UPDATE TO 6TH ED. (2017) | FBC | JK  |    |
| 1   | 3/9/15  | UPDATE TO 5TH ED. (2014) | FBC | JK  |    |

DATE: 06/20/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

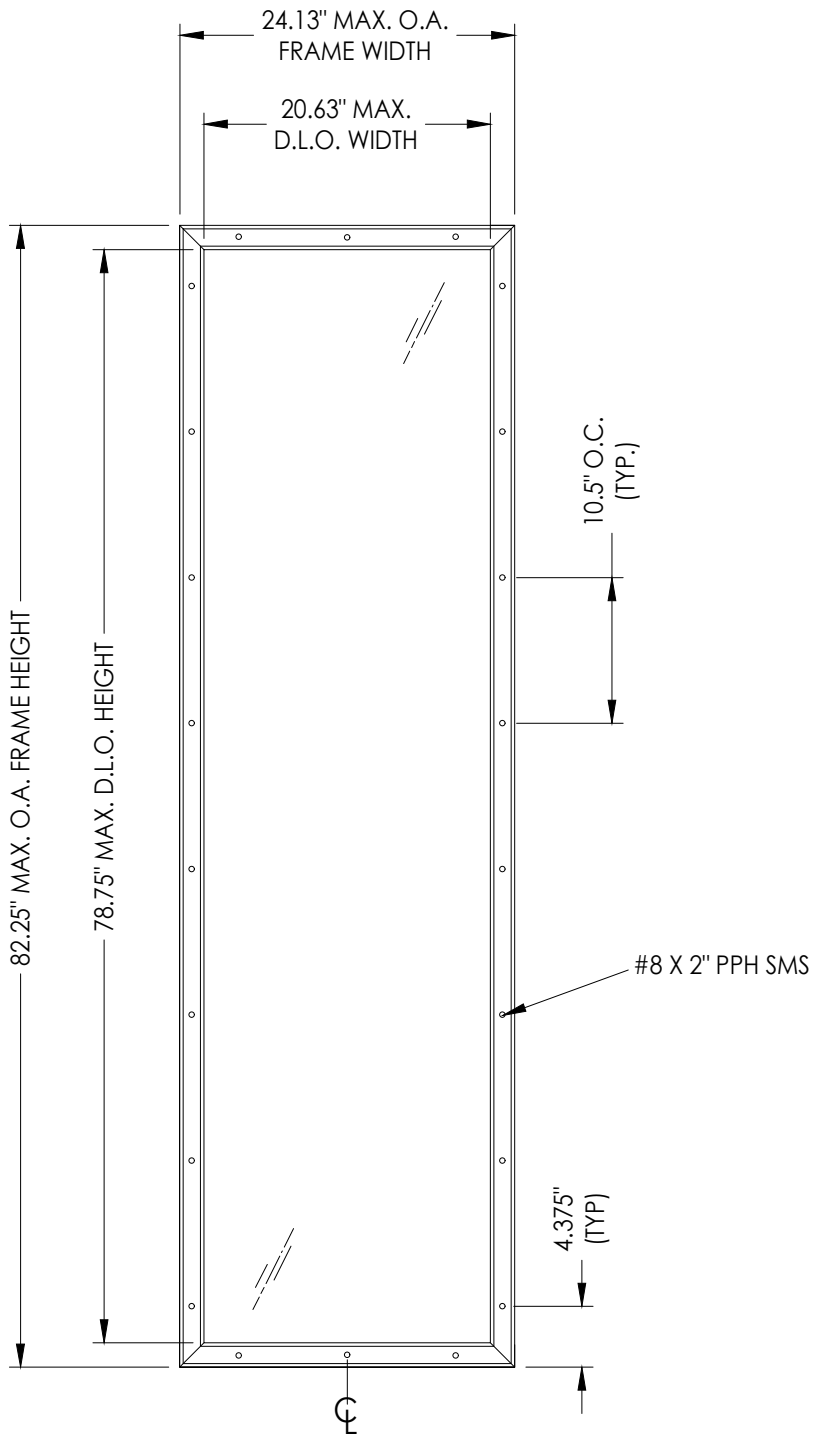
FL-15210.8

SHEET 3 OF 12

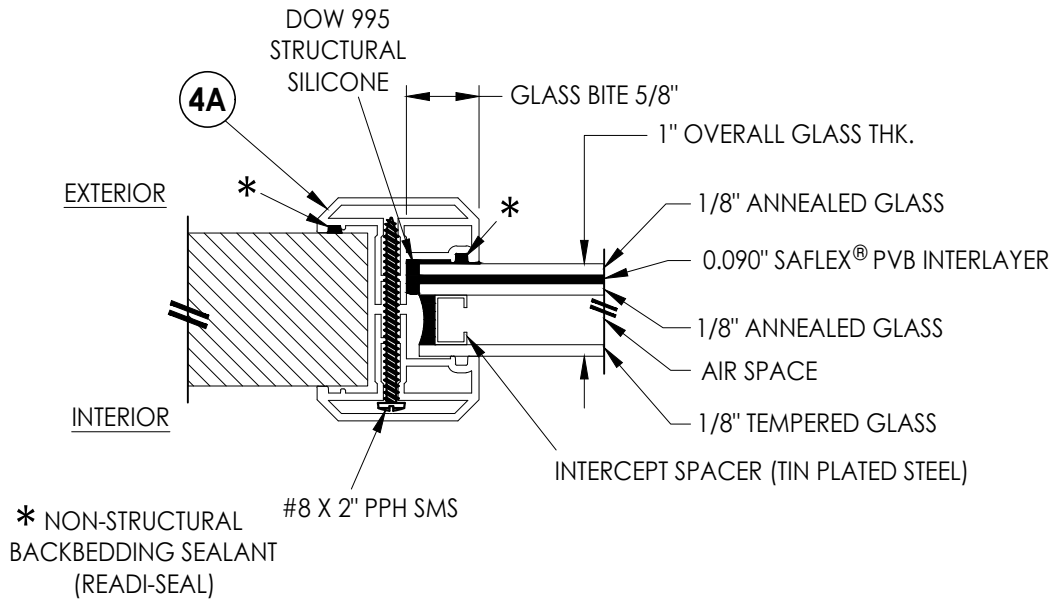
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

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

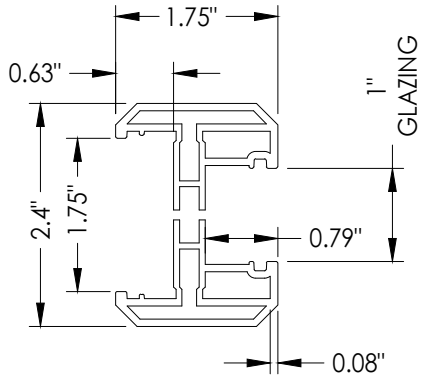
Z:\2023 FBC Drawings\Plastpro\FL-15210 R10\FL-15210.8.dwg



ODL LITE FRAME



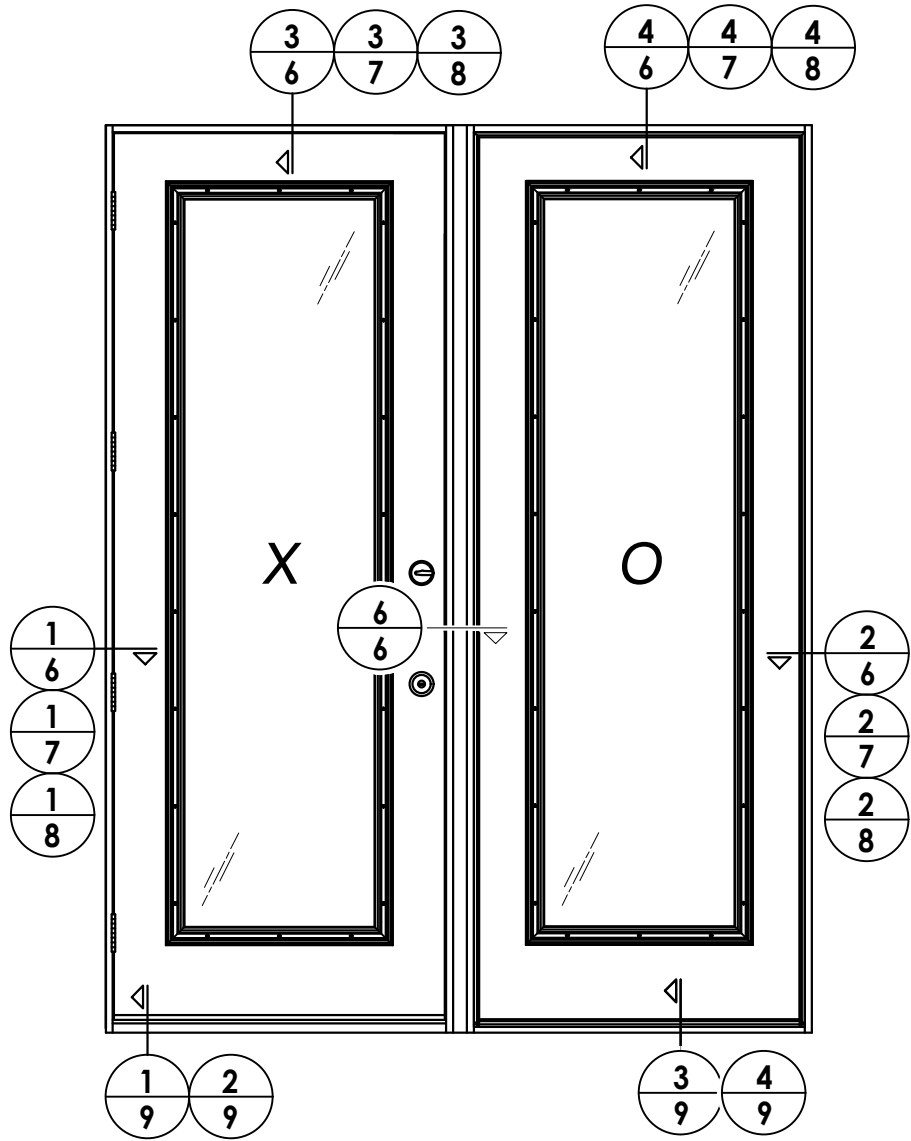
G1 GLAZING DETAIL  
ODL "FLAT FRAME"



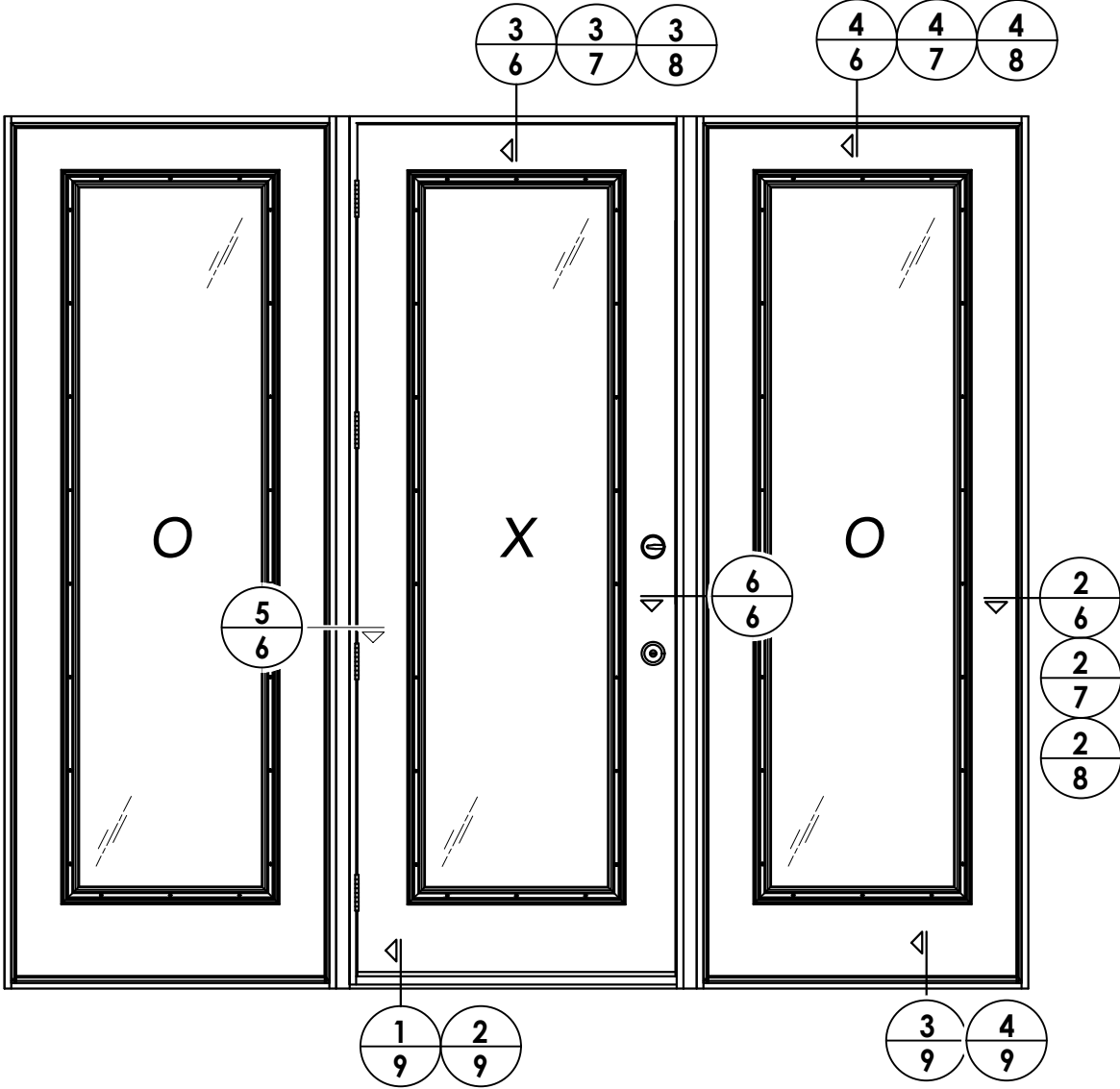
4A ODL LITE FRAME  
"FLAT FRAME" PROFILE  
(6063-T5 ALUM)

|                                                               |         |                          |     |                                                                                                                    |  |  |  |
|---------------------------------------------------------------|---------|--------------------------|-----|--------------------------------------------------------------------------------------------------------------------|--|--|--|
| 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>PLASTPRO<br>FIBERGLASS DOOR                       |         |                          |     | PART OR ASSEMBLY:<br>LITE FRAME DETAILS<br>AND GLAZING DETAILS                                                     |  |  |  |
|                                                               |         |                          |     |                                                                                                                    |  |  |  |
| 4                                                             | 8/17/23 | UPDATE TO 8TH ED. (2023) | FBC | LFS                                                                                                                |  |  |  |
| 3                                                             | 7/27/20 | UPDATE TO 7TH ED (2020)  | FBC | LFS                                                                                                                |  |  |  |
| 2                                                             | 7/24/17 | UPDATE TO 6TH ED. (2017) | FBC | JK                                                                                                                 |  |  |  |
| 1                                                             | 3/9/15  | UPDATE TO 5TH ED. (2014) | FBC | JK                                                                                                                 |  |  |  |
| NO.                                                           | DATE    |                          |     | BY                                                                                                                 |  |  |  |
| REVISIONS                                                     |         |                          |     |                                                                                                                    |  |  |  |
| DATE: 06/20/12                                                |         |                          |     |                                                                                                                    |  |  |  |
| SCALE: N.T.S.                                                 |         |                          |     |                                                                                                                    |  |  |  |
| DWG. BY: JK                                                   |         |                          |     |                                                                                                                    |  |  |  |
| CHK. BY: LFS                                                  |         |                          |     |                                                                                                                    |  |  |  |
| DRAWING NO.: FL-15210.8                                       |         |                          |     |                                                                                                                    |  |  |  |
| SHEET 4 OF 12                                                 |         |                          |     |                                                                                                                    |  |  |  |

Z:\2023 FBC Drawings\Plastpro\FL-15210 R10\FL-15210.8.dwg



ELEVATION (XO - OX)



ELEVATION (OXO)

| NO. | DATE    | REVISIONS                |     |     |  |
|-----|---------|--------------------------|-----|-----|--|
|     |         |                          |     | BY  |  |
| 4   | 8/17/23 | UPDATE TO 8TH ED. (2023) | FBC | LFS |  |
| 3   | 7/27/20 | UPDATE TO 7TH ED (2020)  | FBC | LFS |  |
| 2   | 7/24/17 | UPDATE TO 6TH ED. (2017) | FBC | JK  |  |
| 1   | 3/9/15  | UPDATE TO 5TH ED. (2014) | FBC | JK  |  |

DATE: 06/20/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:  
FL-15210.8

SHEET 5 of 12

|          |                                 |
|----------|---------------------------------|
| PRODUCT: | PLASTPRO<br>FIBERGLASS DOOR     |
|          | PART OR ASSEMBLY:<br>ELEVATIONS |

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

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

1. Spacing for item K: 6" from each end and at centerline. (3 Total)
2. Sidelite assembly screws located 6" from top and bottom then 5 more equally spaced (7 total).

[illegible]

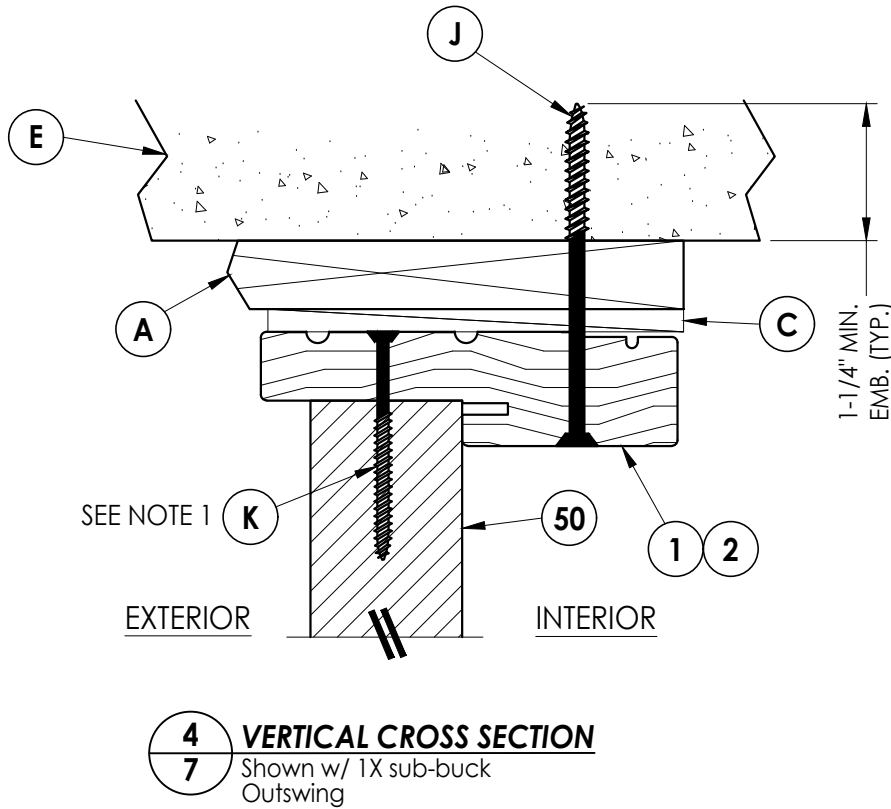
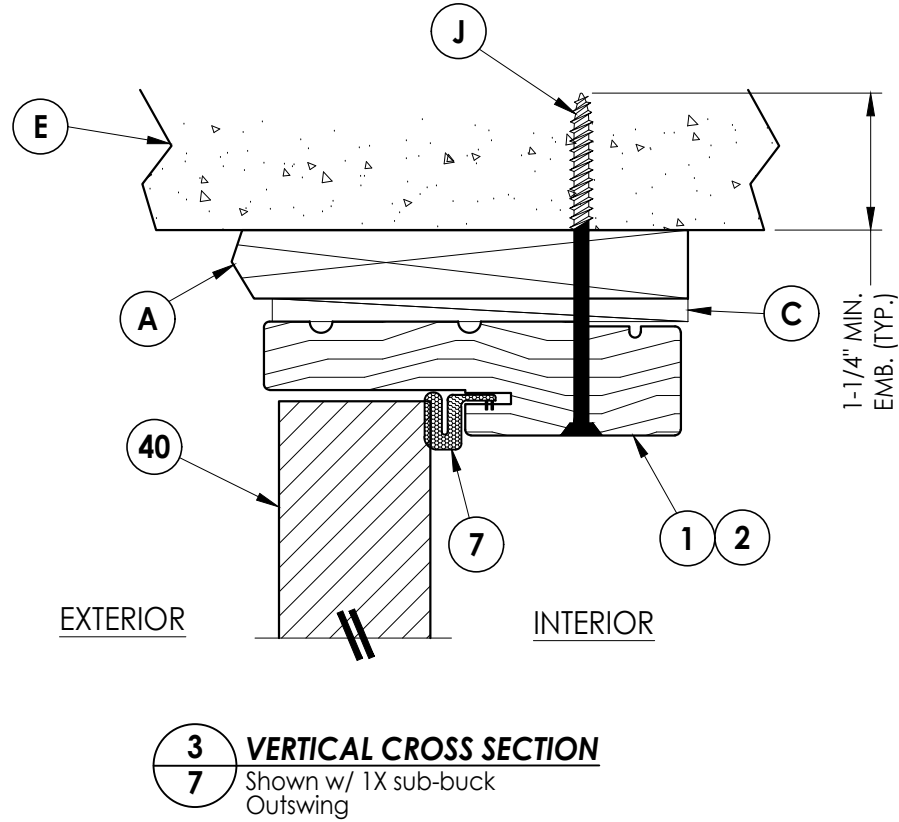
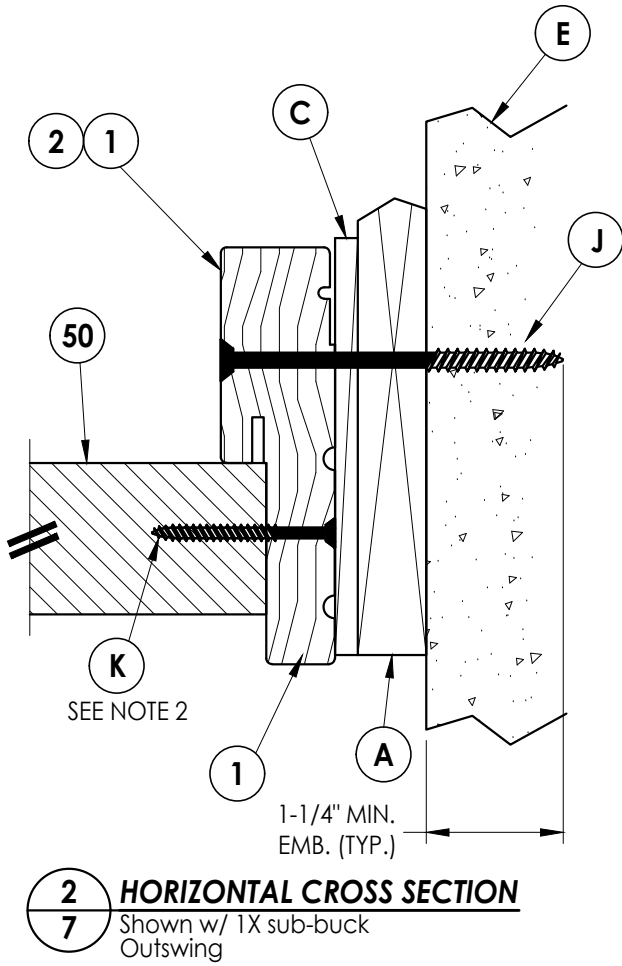
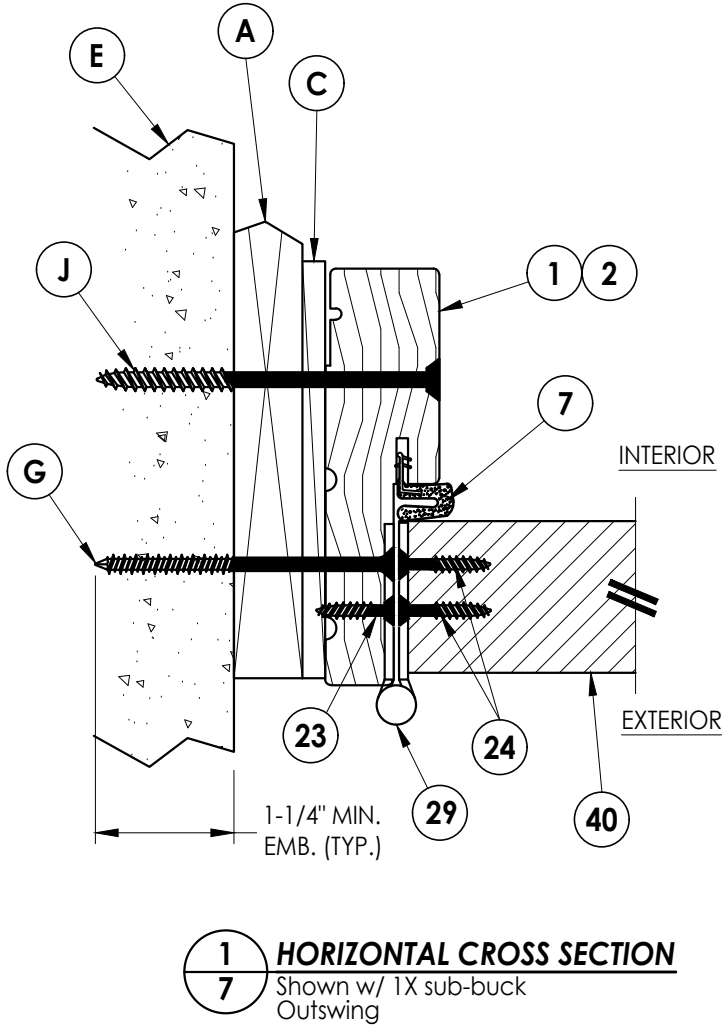
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

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

© 2016 R.W. BUILDING CONSULTANTS INC.

Z:\2023 FBC Drawings\Plastpro\FL-15210 R10\FL-15210.8.dwg

Z:\2023 FBC Drawings\Plastpro\FL-15210 R10\FL-15210.8.dwg



NOTE

1. Spacing for item K: 6" from each end and at centerline. (3 Total)
2. Sidelite assembly screws located 6" from top and bottom then 5 more equally spaced (7 total).

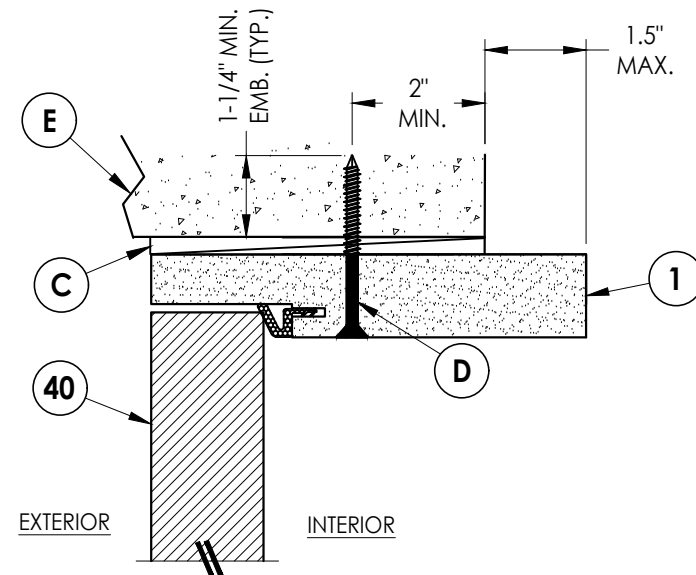
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

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

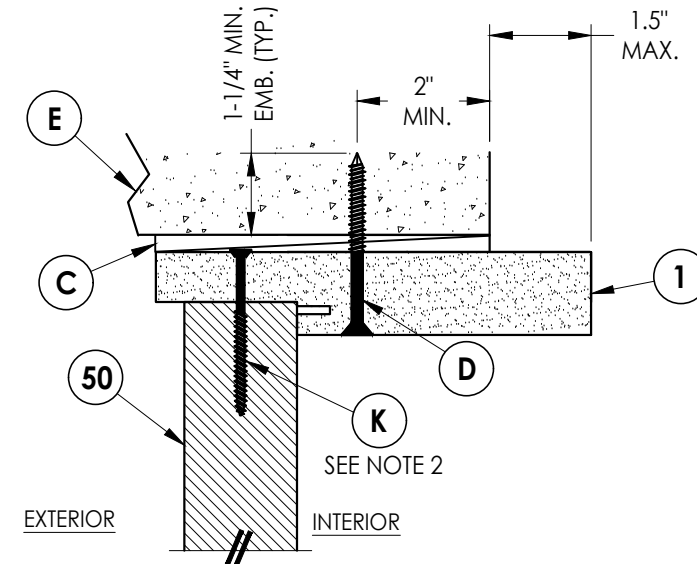
|          |                                                                        |  |
|----------|------------------------------------------------------------------------|--|
| PRODUCT: | PLASTPRO<br>FIBERGLASS DOOR                                            |  |
|          | PART OR ASSEMBLY:<br>HORIZONTAL & VERTICAL<br>CROSS SECTIONS (1X BUCK) |  |

| NO. | DATE    | REVISIONS         |        |     |     |
|-----|---------|-------------------|--------|-----|-----|
|     |         | BY                | JK     | FBC | LFS |
| 4   | 8/17/23 | UPDATE TO 8TH ED. | (2023) | FBC | LFS |
| 3   | 7/27/20 | UPDATE TO 7TH ED  | (2020) | FBC | LFS |
| 2   | 7/24/17 | UPDATE TO 6TH ED. | (2017) | FBC | JK  |
| 1   | 3/9/15  | UPDATE TO 5TH ED. | (2014) | FBC | JK  |

|              |            |
|--------------|------------|
| DATE:        | 06/20/12   |
| SCALE:       | N.T.S.     |
| DWG. BY:     | JK         |
| CHK. BY:     | LFS        |
| DRAWING NO.: | FL-15210.8 |
| SHEET        | 7 OF 12    |



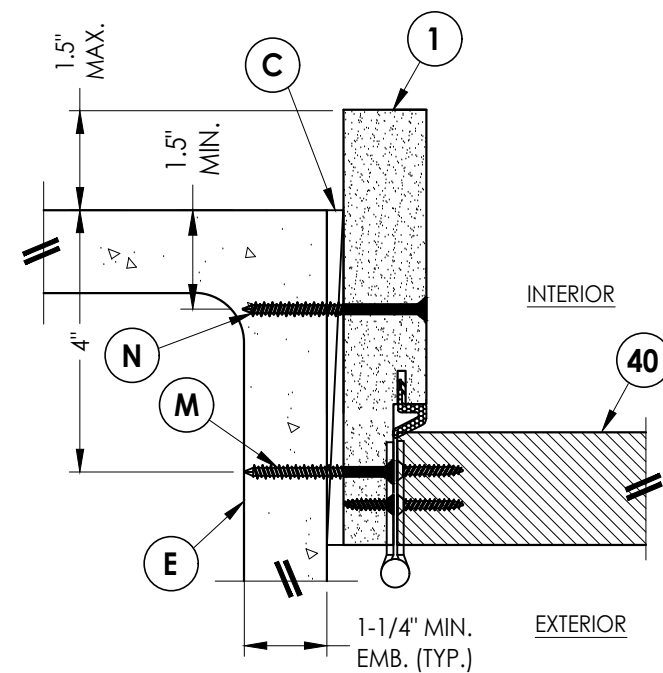
**3** **VERTICAL CROSS SECTION**  
**8** Shown Direct to Masonry  
 Outswing only w/ 6-9/16" jamb



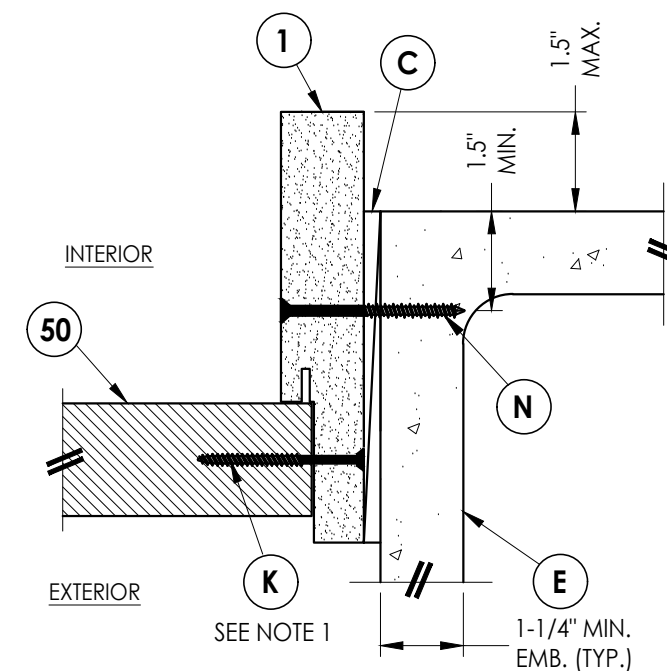
**4** **VERTICAL CROSS SECTION**  
**8** Shown Direct to Masonry  
 Outswing only w/ 6-9/16" jamb

Notes:

1. Spacing for item K: 6" from ends and 5 more equally spaced along sidelite (7 total).
2. Spacing for item K: 3" from each end.



**1** **HORIZONTAL CROSS SECTION**  
**8** Shown Direct to Masonry  
 Outswing only w/ 6-9/16" jamb



**2** **HORIZONTAL CROSS SECTION**  
**8** Shown Direct to Masonry  
Outswing only w/ 6-9/16" jamb

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

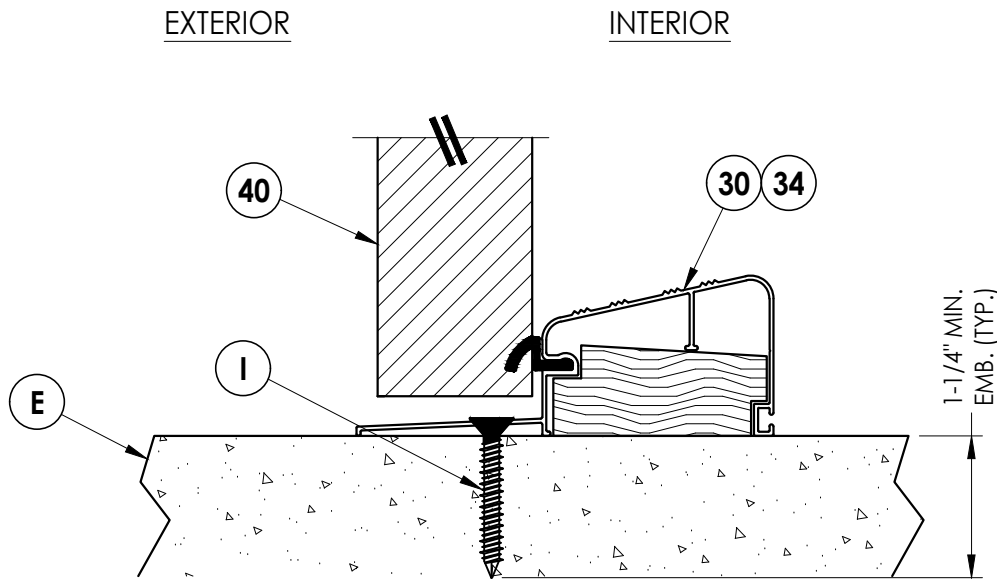
*R<sup>q</sup>W* BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

**PRODUCT:** PLASTPRO  
FIBERGLASS DOOR

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

[illegible]

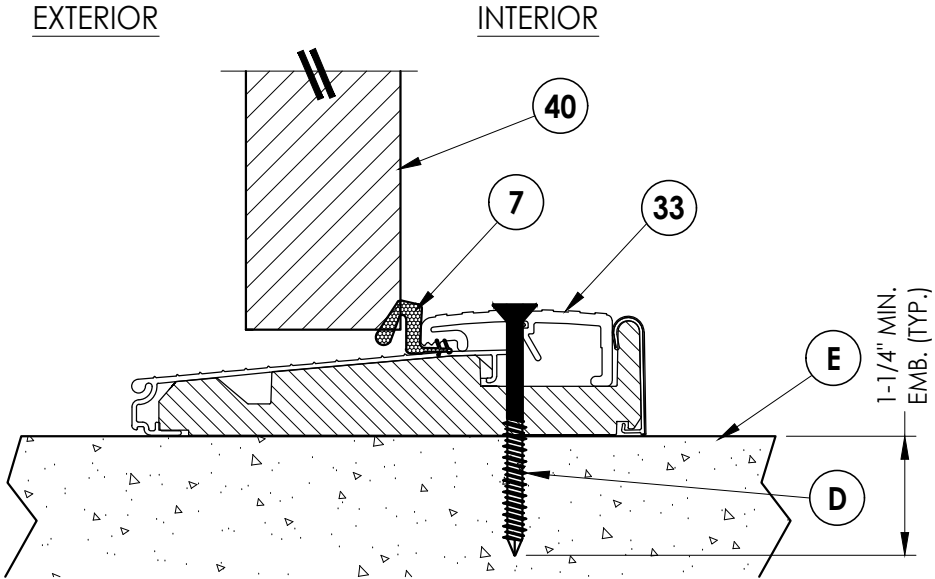
Z:\2023 FBC Drawings\Plastpro\FL-15210 R10\FL-15210.8.dwg



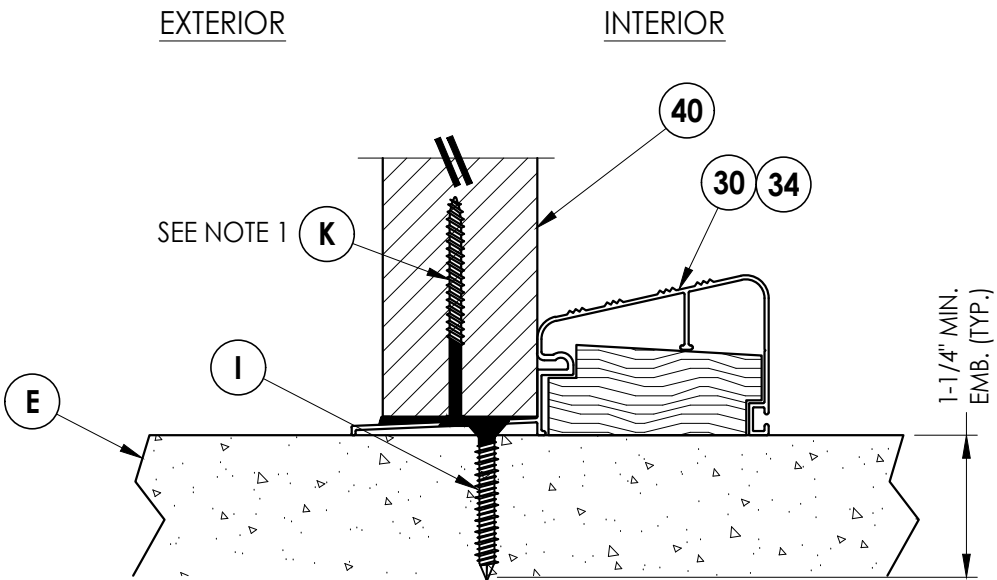
1  
9 VERTICAL CROSS SECTION

NOTE

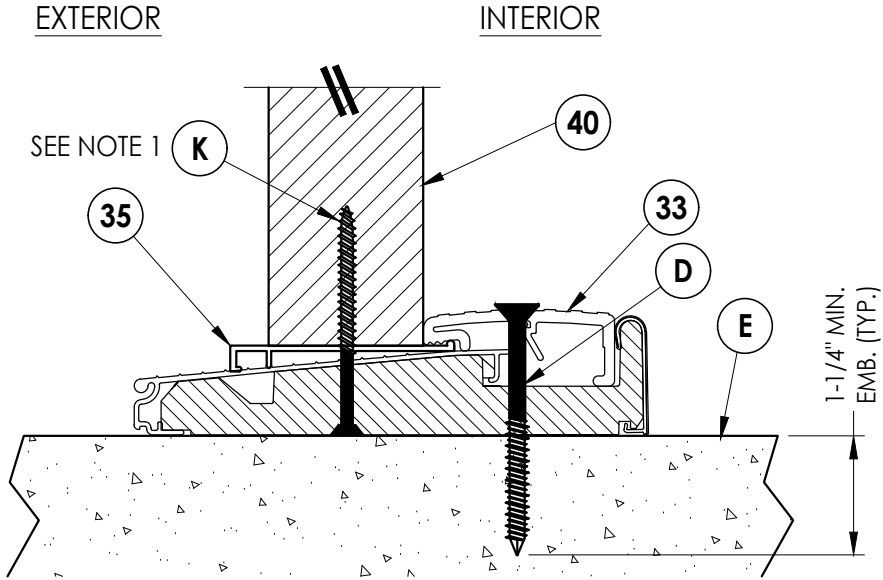
1. Spacing for item K: 6" from each end and at centerline.



2  
9 VERTICAL CROSS SECTION



3  
9 VERTICAL CROSS SECTION



4  
9 VERTICAL CROSS SECTION

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: PLASTPRO  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
VERTICAL  
CROSS SECTIONS

| NO. | DATE    | REVISIONS                |     |     |     |
|-----|---------|--------------------------|-----|-----|-----|
|     |         | DATE                     | BY  | JK  | LFS |
| 4   | 8/17/23 | UPDATE TO 8TH ED. (2023) | FBC | LFS |     |
| 3   | 7/27/20 | UPDATE TO 7TH ED. (2020) | FBC | LFS |     |
| 2   | 7/24/17 | UPDATE TO 6TH ED. (2017) | FBC | JK  |     |
| 1   | 3/9/15  | UPDATE TO 5TH ED. (2014) | FBC | JK  |     |

DATE: 06/20/12

SCALE: N.T.S.

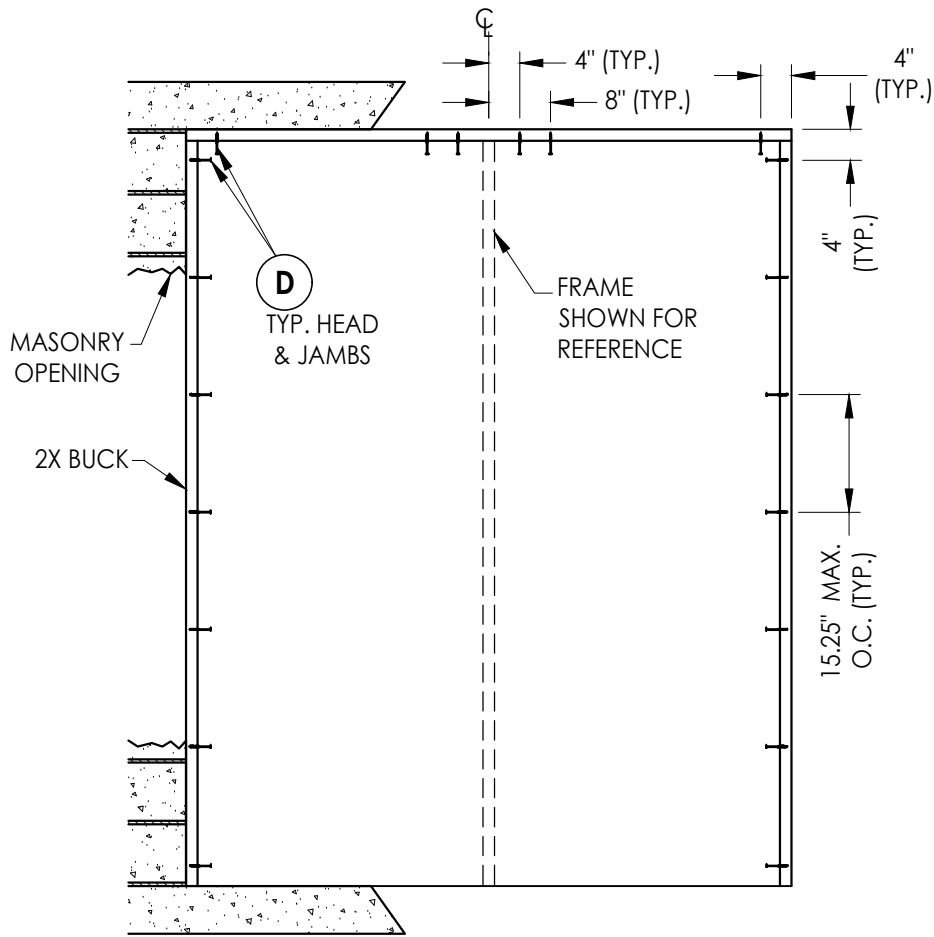
DWG. BY: JK

CHK. BY: LFS

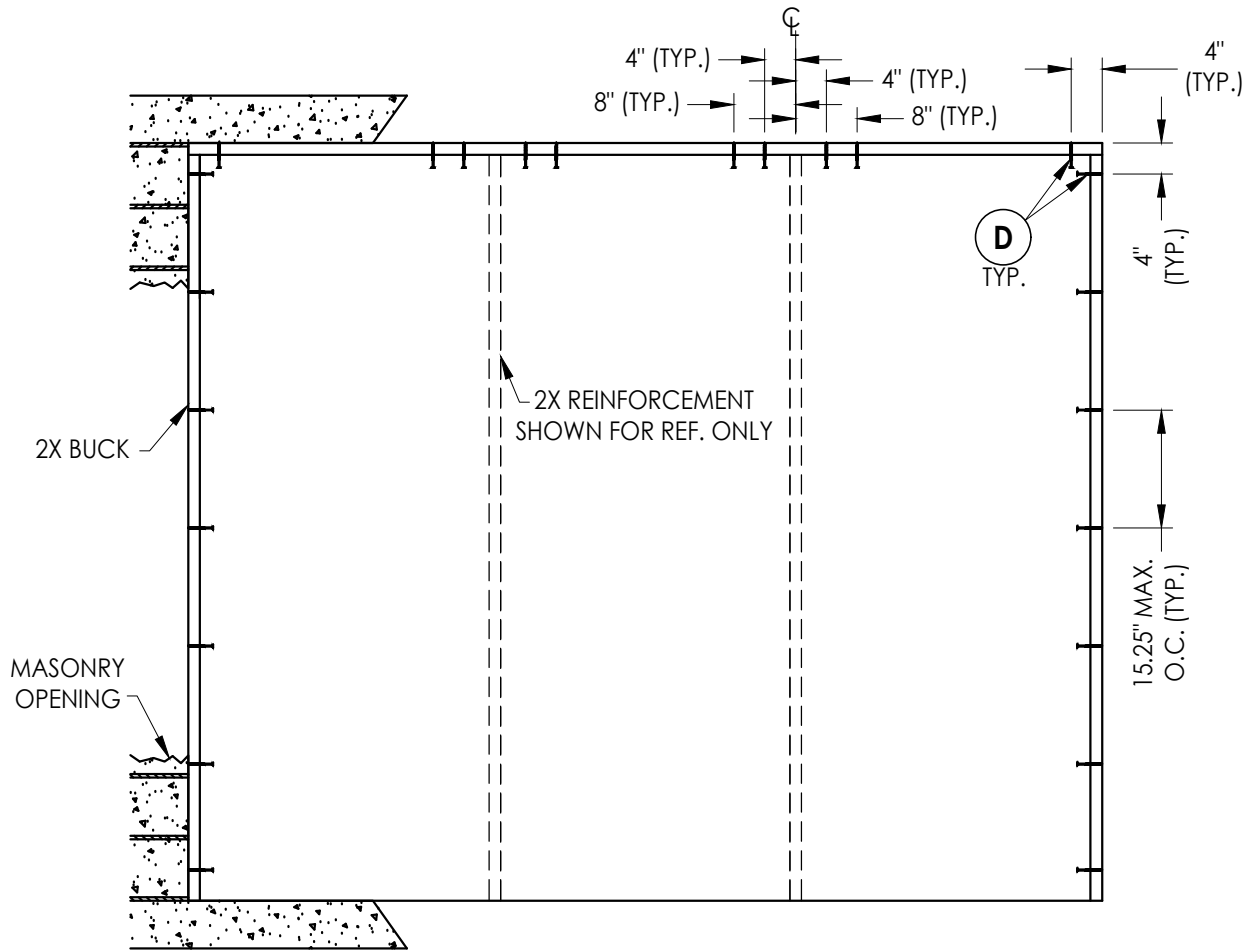
DRAWING NO.:  
FL-15210.8

SHEET 9 OF 12

Z:\2023 FBC Drawings\Plastpro\FL-15210 R10\FL-15210.8.dwg



**BUCK ANCHORING**  
OX



**BUCK ANCHORING**  
OXO

**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"                                |

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: PLASTPRO  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
BUCK ANCHORING

| NO. | DATE    | REVISIONS                    |
|-----|---------|------------------------------|
| 4   | 8/17/23 | UPDATE TO 8TH ED. (2023) FBC |
| 3   | 7/27/20 | UPDATE TO 7TH ED (2020) FBC  |
| 2   | 7/24/17 | UPDATE TO 6TH ED. (2017) FBC |
| 1   | 3/9/15  | UPDATE TO 5TH ED. (2014) FBC |

DATE: 06/20/12

SCALE: N.T.S.

DWG. BY: JK

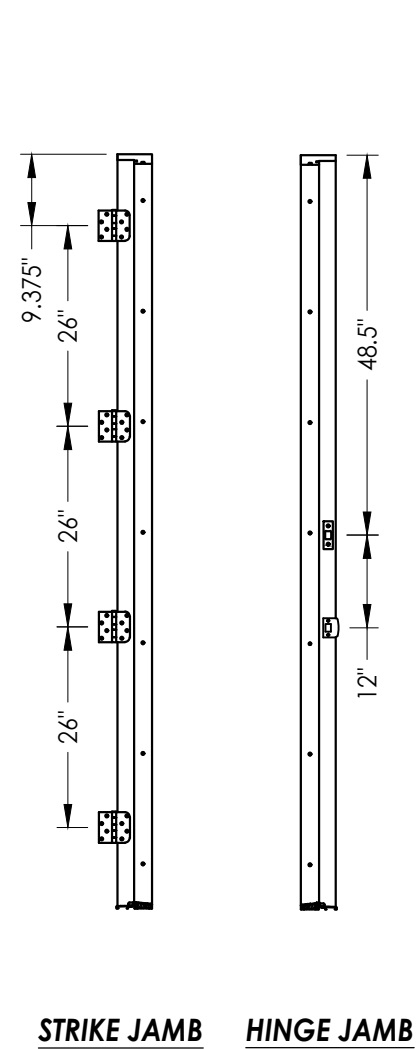
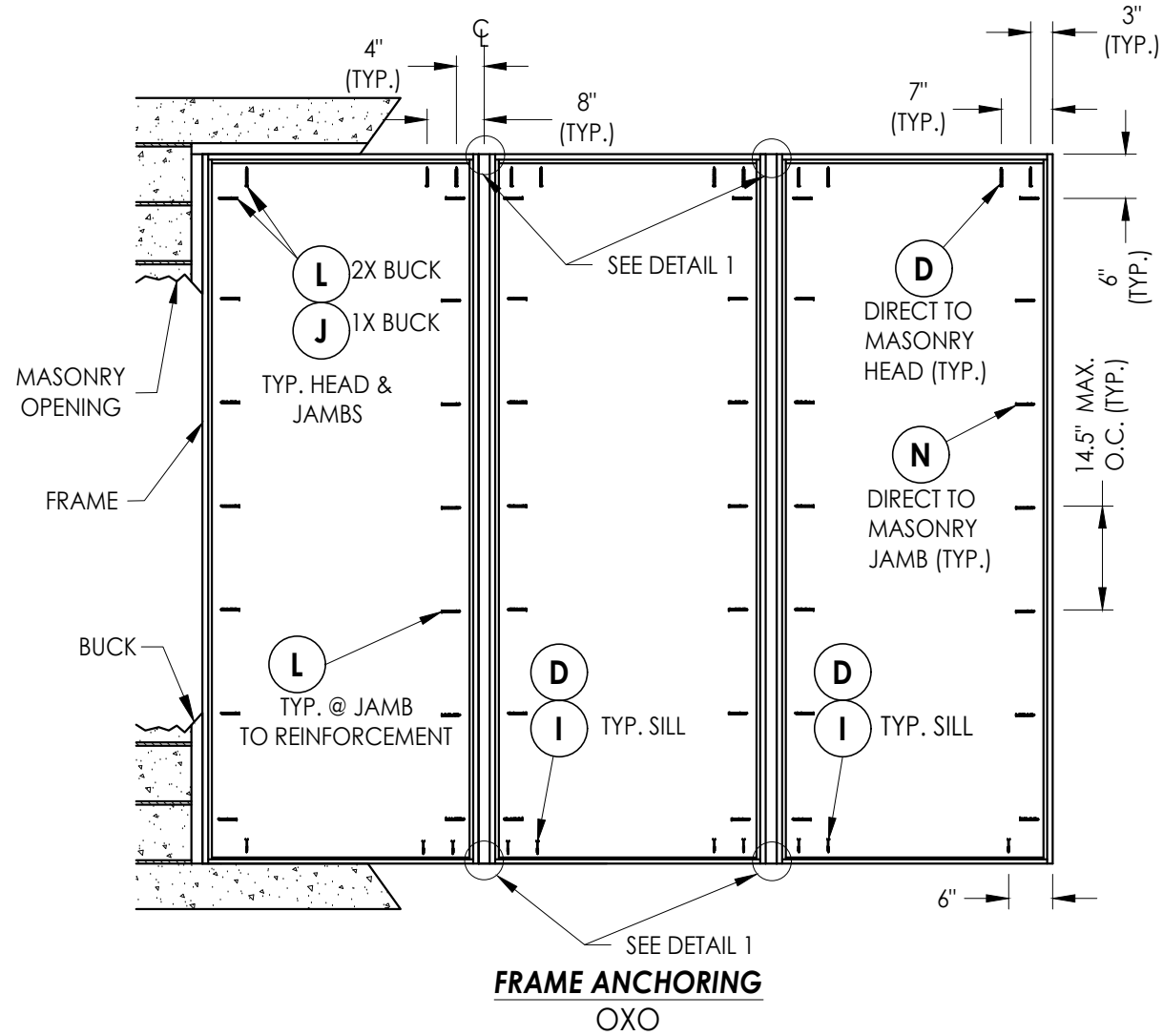
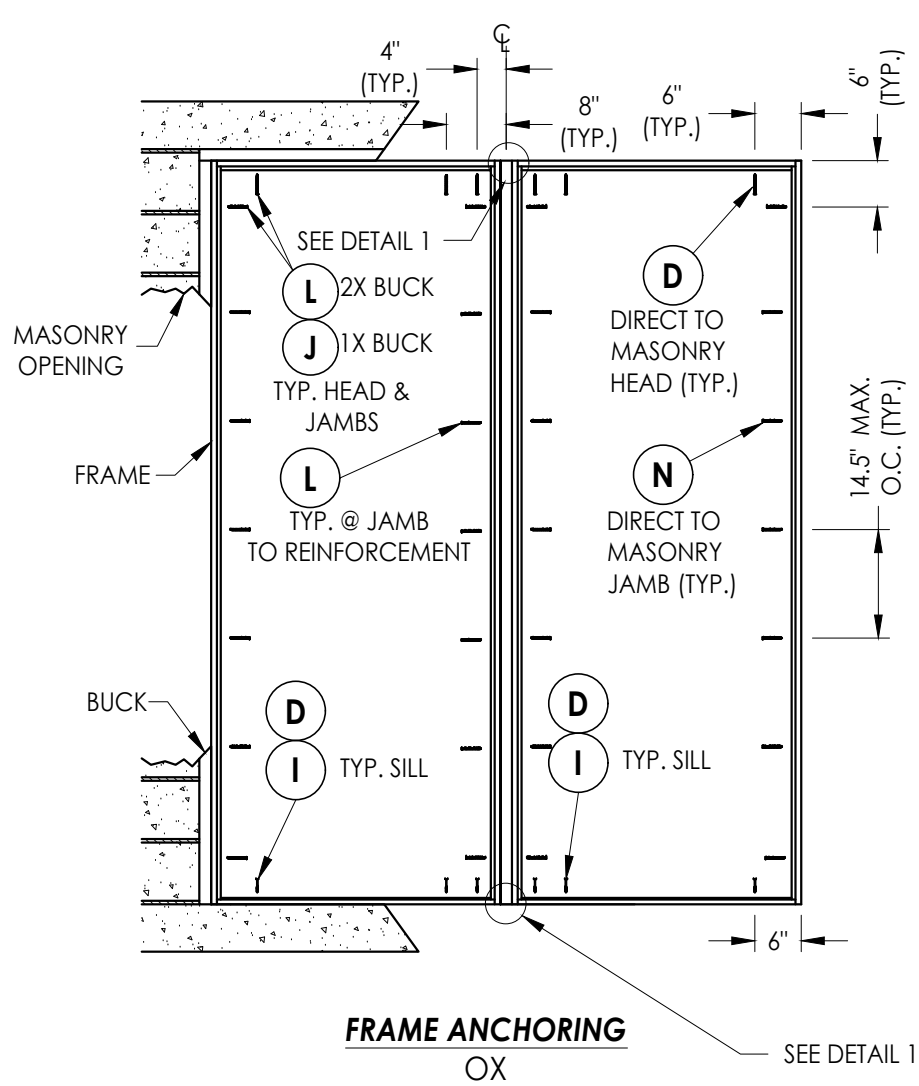
CHK. BY: LFS

DRAWING NO.:

FL-15210.8

SHEET 10 OF 12

Z:\2023 FBC Drawings\Plastpro\FL-15210 R10\FL-15210.8.dwg



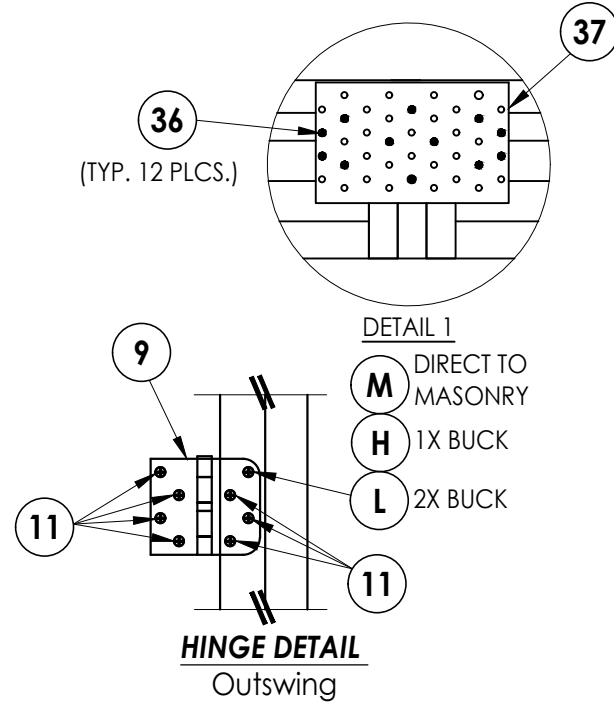
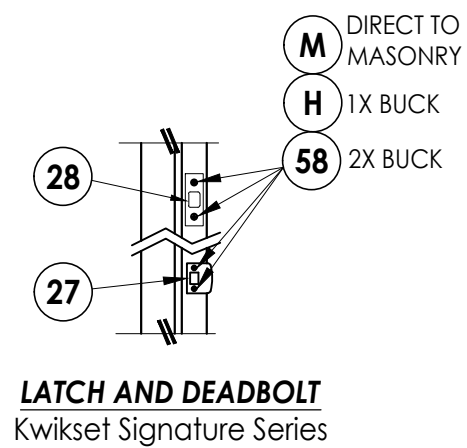
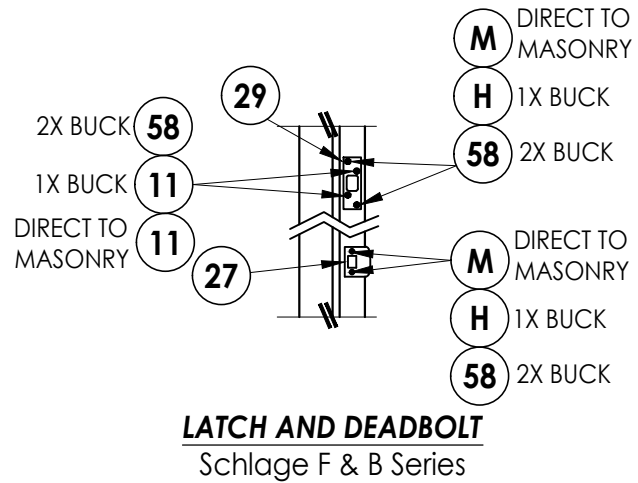
**CONCRETE ANCHOR NOTES:**

- 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                       | 1-1/2"                            |

**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

PRODUCT:  
PLASTPRO  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
FRAME ANCHORING

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

DATE: 06/20/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15210.8

SHEET 11 OF 12

