

Smooth / Wood Grain / White Wood Grain  
Rustic / Mahogany  
Series N Fiberglass Door  
INSWING / OUTSWING  
"NON-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.

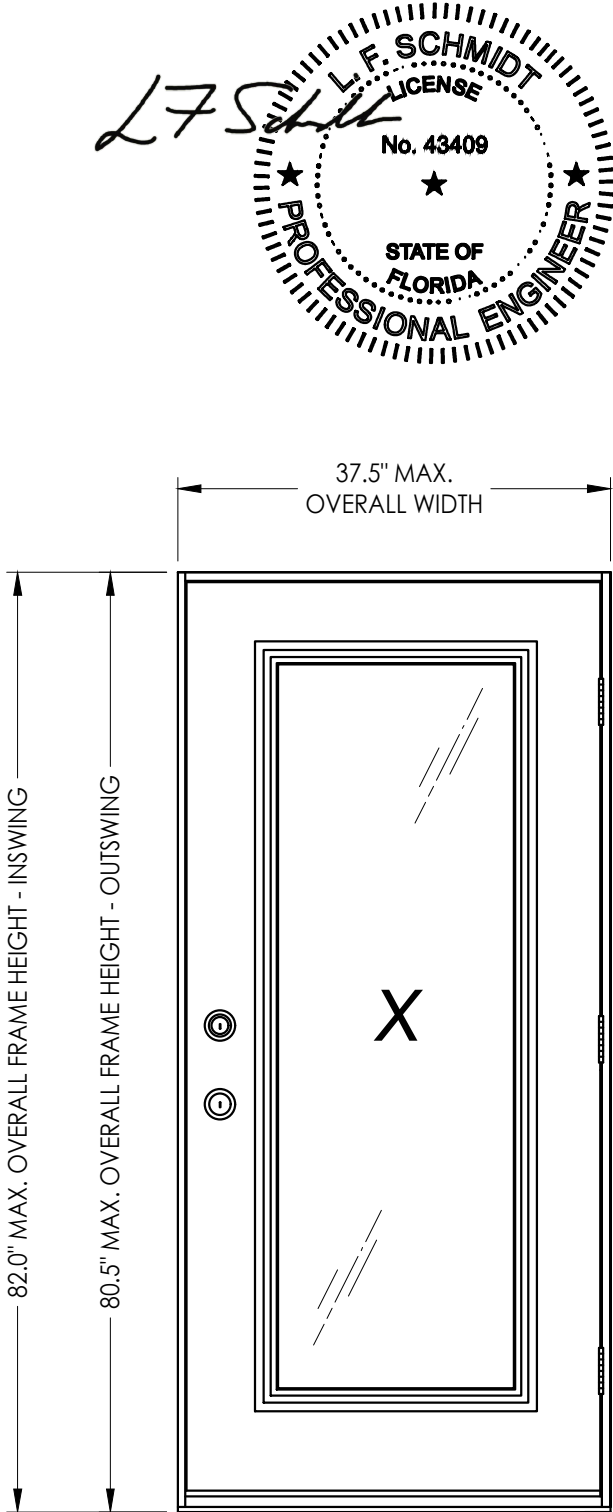
Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3.

When used in areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4.

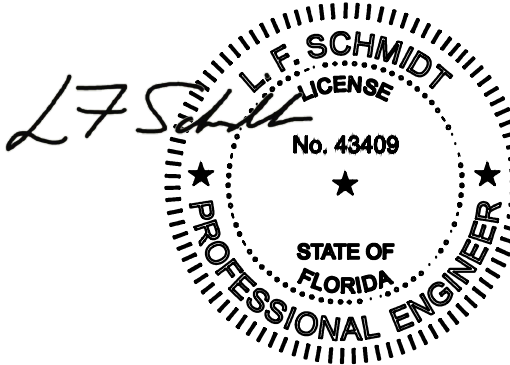
For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5.

Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

| TABLE OF CONTENTS |                                                         |
|-------------------|---------------------------------------------------------|
| SHEET #           | DESCRIPTION                                             |
| 1                 | Typical elevation, design pressures & general notes     |
| 2                 | Door panel details                                      |
| 3                 | Horizontal cross sections                               |
| 4                 | Vertical cross sections                                 |
| 5                 | Buck and frame anchoring - 2X buck masonry construction |
| 6                 | Frame anchoring - 1X buck masonry construction          |
| 7                 | Bill of Materials, glazing detail & components          |



| SWING    | MAX. FRAME DIMENSION | GLASS TYPE | DESIGN PRESSURE (PSF) |          |
|----------|----------------------|------------|-----------------------|----------|
|          |                      |            | POSITIVE              | NEGATIVE |
| INSWING  | 37.5" x 82.0"        | G1         | +47.0                 | -50.0    |
| OUTSWING | 37.5" x 80.5"        |            | +50.0                 | -50.0    |



Digitally signed by Lyndon F Schmidt  
Date: 2026.07.30 15:44:49 -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:  
Lyndon F. Schmidt  
P.E. No. 43409

PLASTPRO INC.  
FIBERGLASS DOOR

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

REVISIONS

DATE: 02/16/12

SCALE: N.T.S.

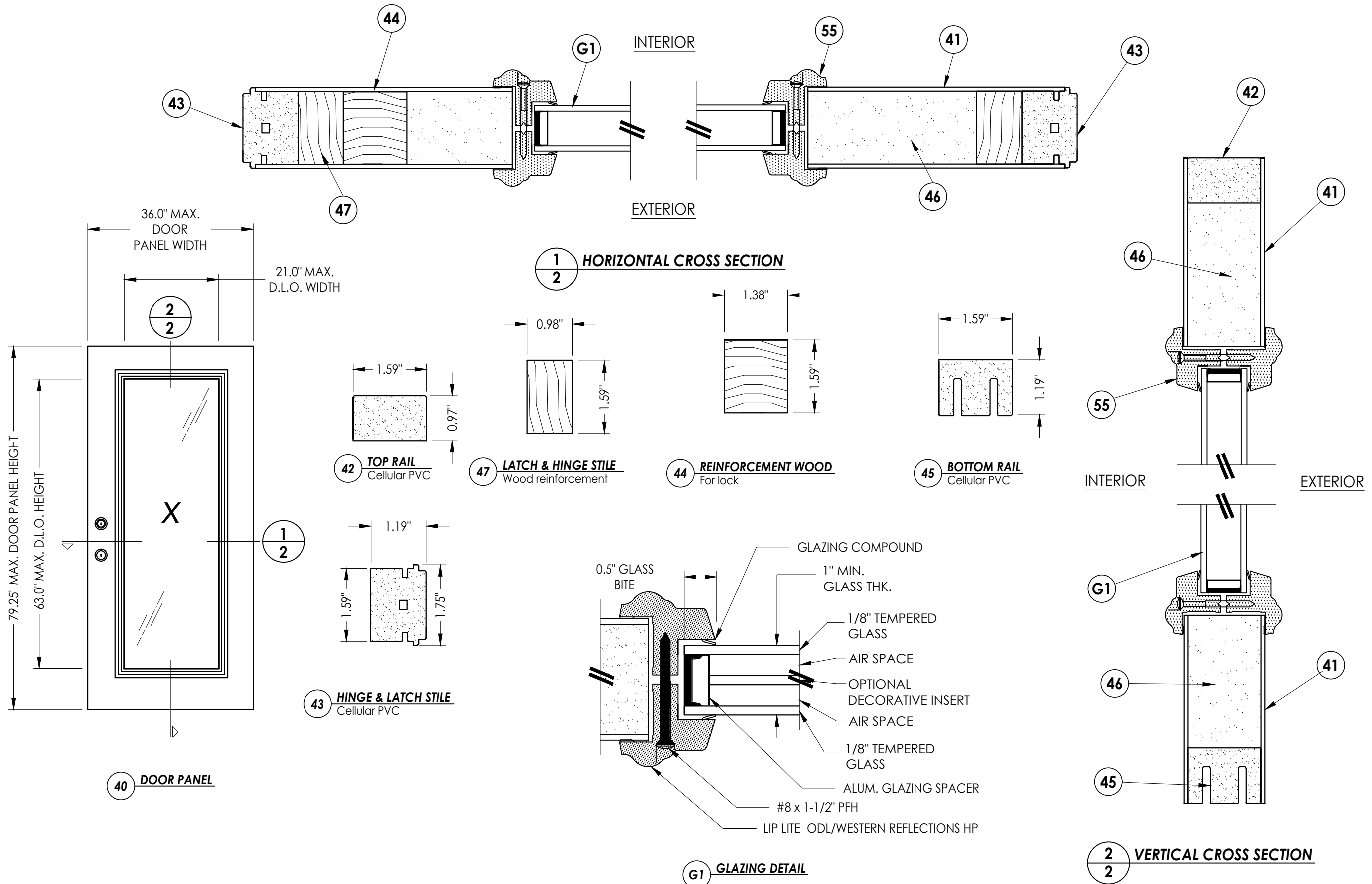
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15213.14

SHEET 1 OF 7

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



**1 HORIZONTAL CROSS SECTION**

**2** VERTICAL CROSS SECTION  
**2**

|     |          |                          |     |     |  |
|-----|----------|--------------------------|-----|-----|--|
|     |          |                          |     |     |  |
| 5   | 7/02/26  | UPDATE TO 9TH ED. (2026) | FBC | LFS |  |
| 4   | 8/24/23  | UPDATE TO 8TH ED. (2023) | FBC | LFS |  |
| 3   | 7/27/20  | UPDATE TO 7TH ED. (2020) | FBC | LFS |  |
| 2   | 10/19/17 | UPDATE TO 6TH ED. (2017) | FBC | LFS |  |
| 1   | 04/22/15 | UPDATE TO 5TH ED. (2014) | FBC | JK  |  |
| NO. | DATE     |                          |     | BY  |  |

|              |                      |
|--------------|----------------------|
| DATE:        | 02/16/12             |
| SCALE:       | N.T.S.               |
| DWG. BY:     | JK                   |
| CHK. BY:     | LFS                  |
| DRAWING NO.: | FL-15213.14          |
| SHEET        | <u>2</u> OF <u>7</u> |

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

# LIBERGLASS DOOR

R ASSEMBLY:

## DOOR PANEL DETAILS

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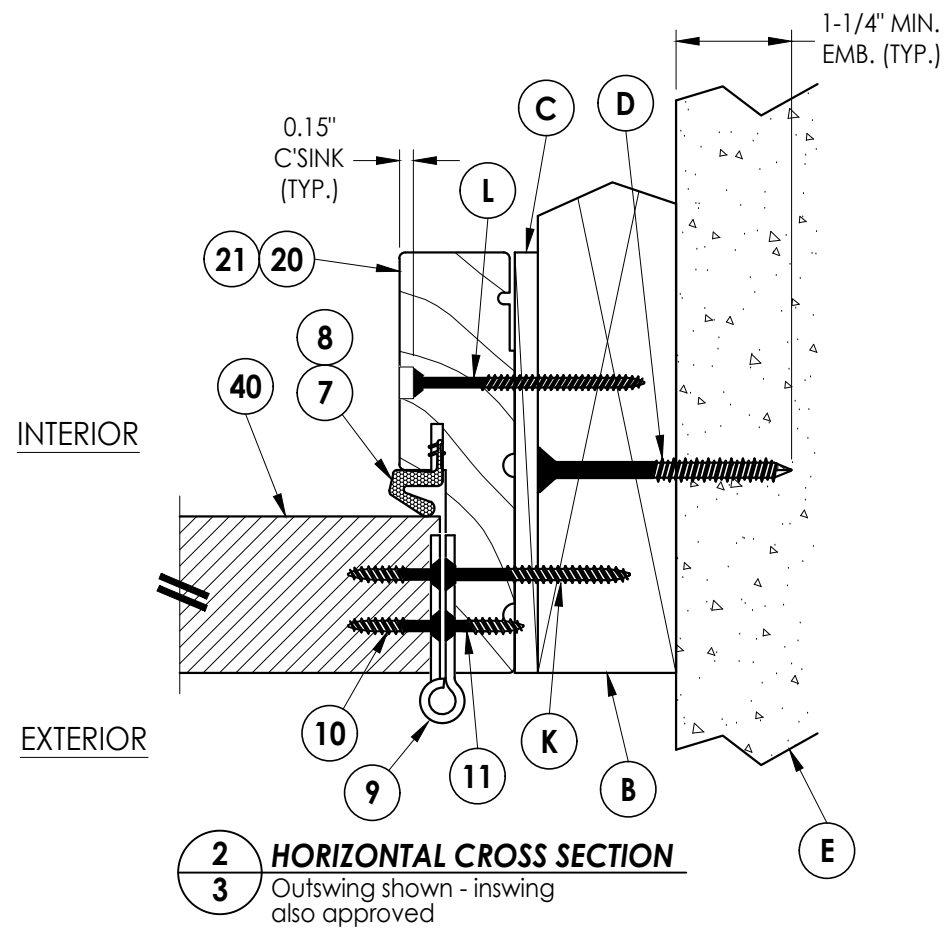
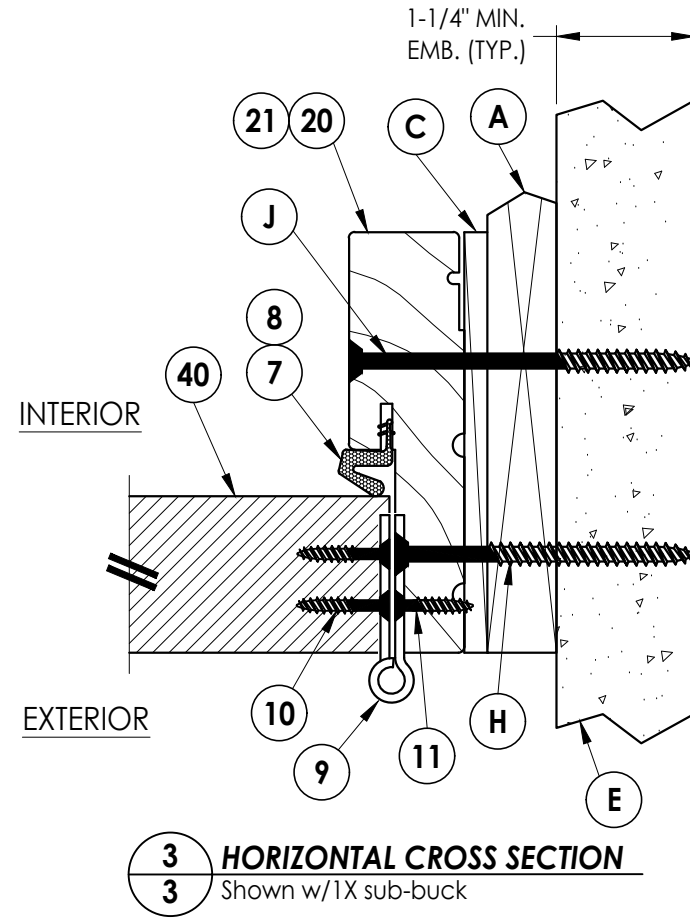
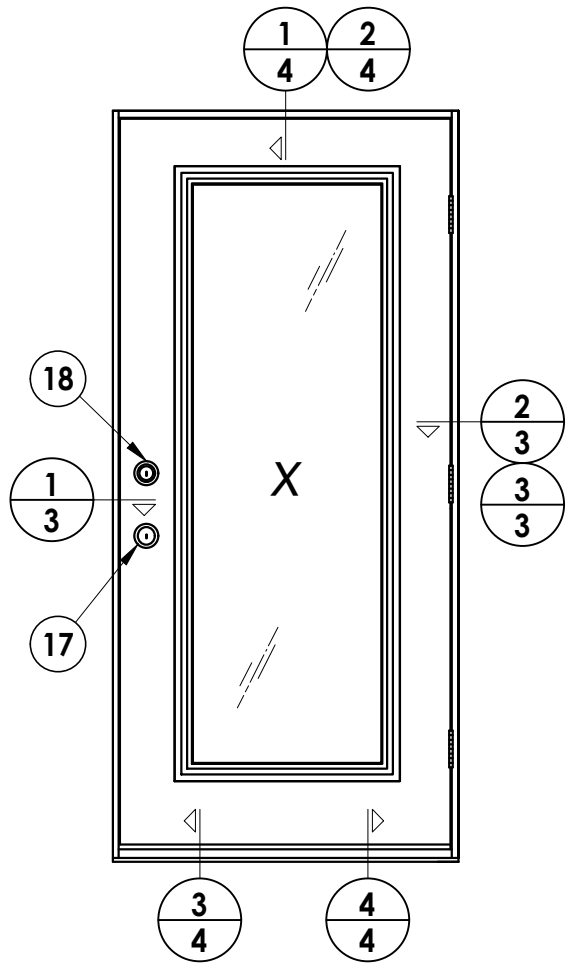
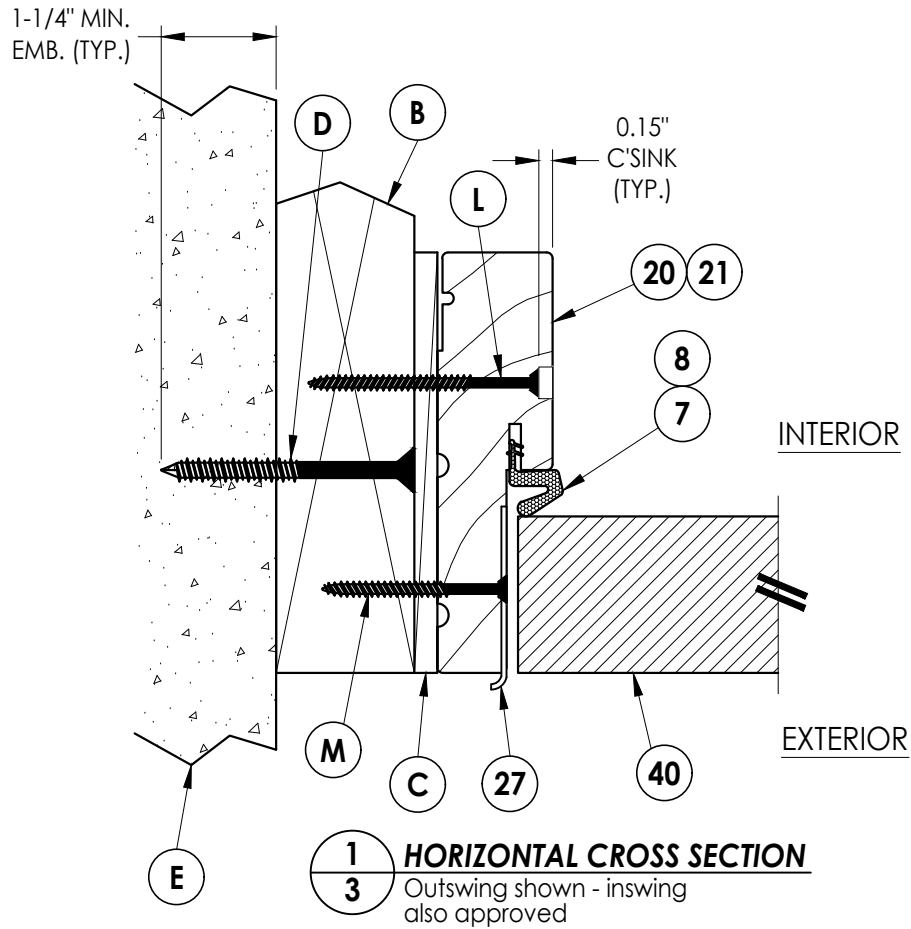
**RCM BUILDING CONSULTANTS, INC.**

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

**Section 101**

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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 INC.  
FIBERGLASS DOOR  
PART OR ASSEMBLY:  
HORIZONTAL CROSS SECTIONS

| NO. | DATE     | REVISIONS                    |
|-----|----------|------------------------------|
| 5   | 7/02/26  | UPDATE TO 9TH ED. (2026) FBC |
| 4   | 8/24/23  | UPDATE TO 8TH ED. (2023) FBC |
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DATE: 02/16/12

SCALE: N.T.S.

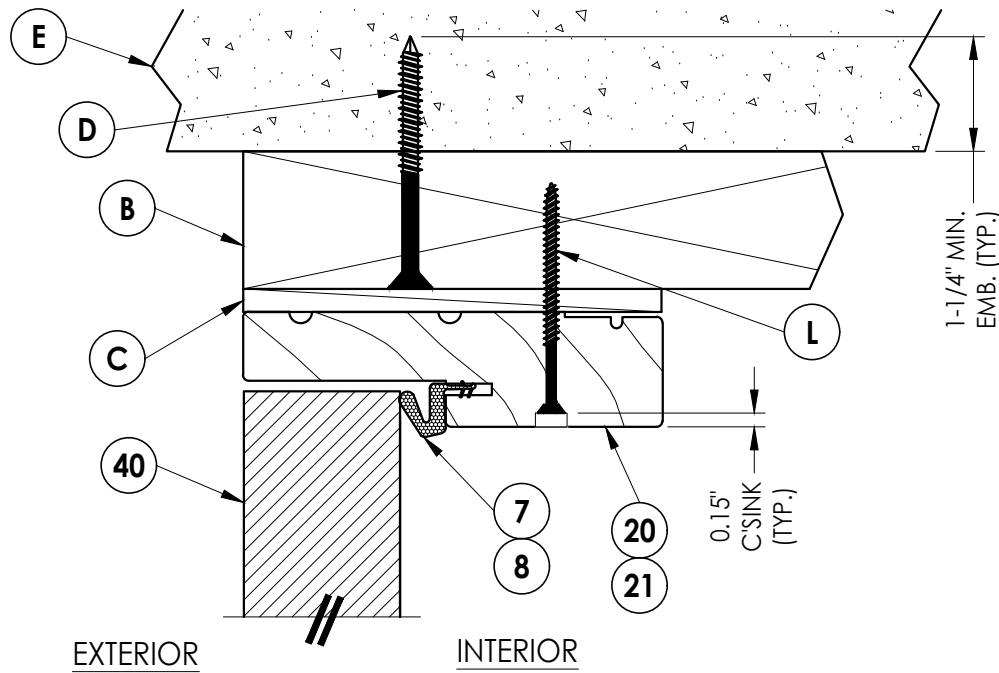
DWG. BY: JK

CHK. BY: LFS

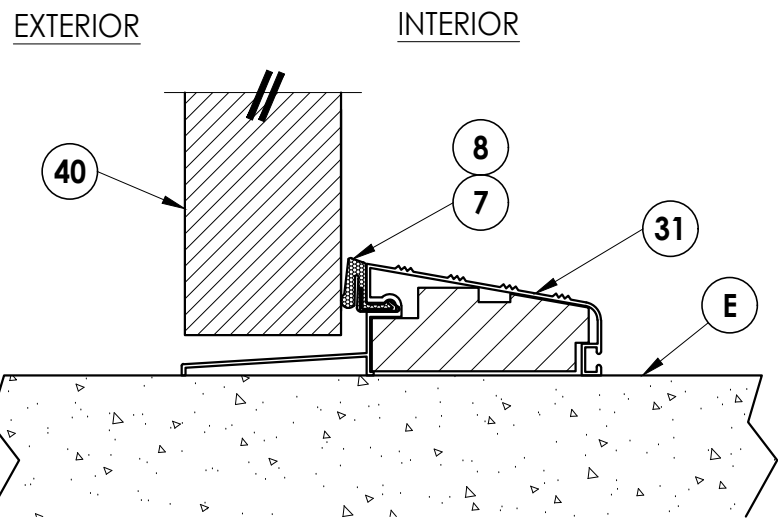
DRAWING NO.: FL-15213.14

SHEET 3 OF 7

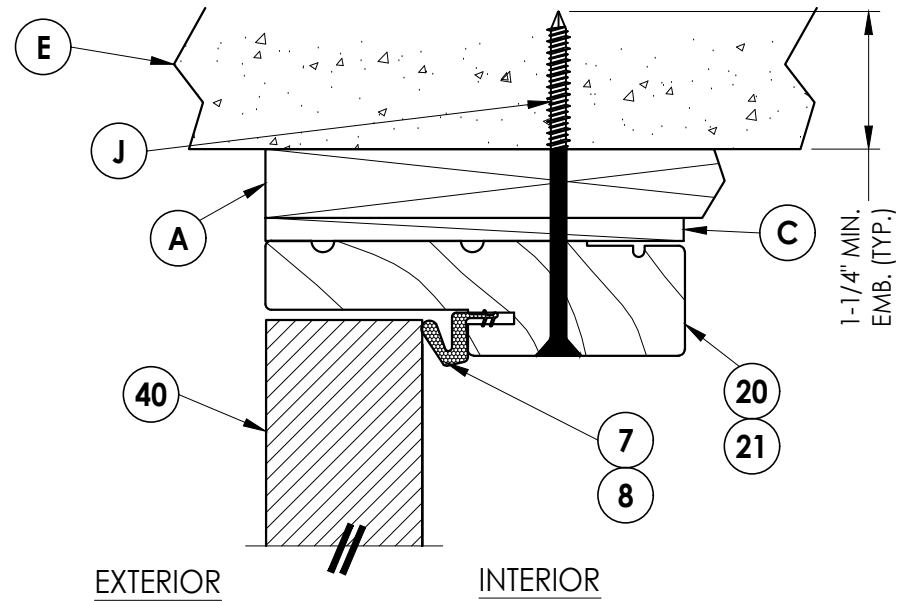
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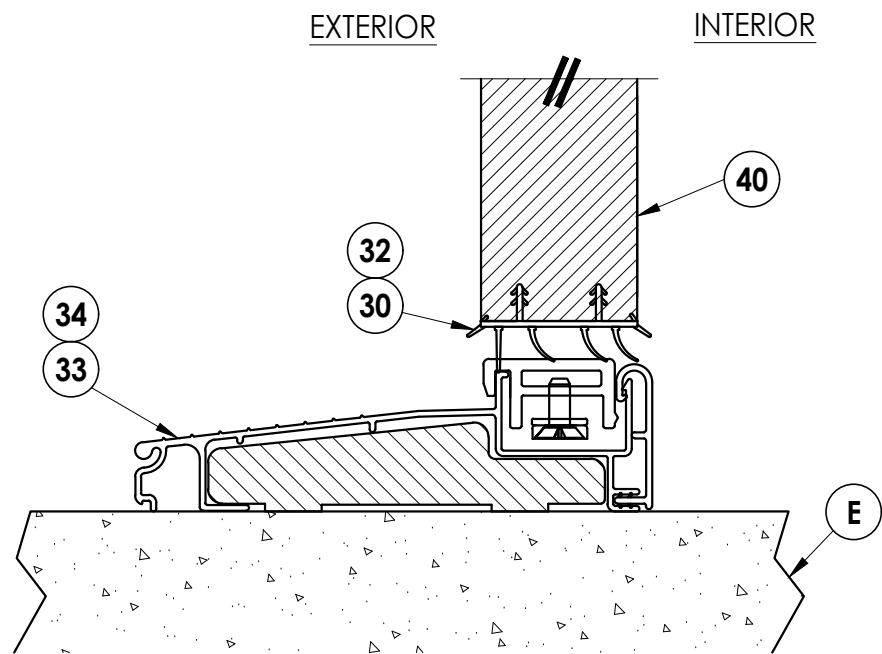
**1** **VERTICAL CROSS SECTION**  
**4** Outswing shown - inswing  
also approved



**3** **VERTICAL CROSS SECTION**  
**4** Outswing configuration

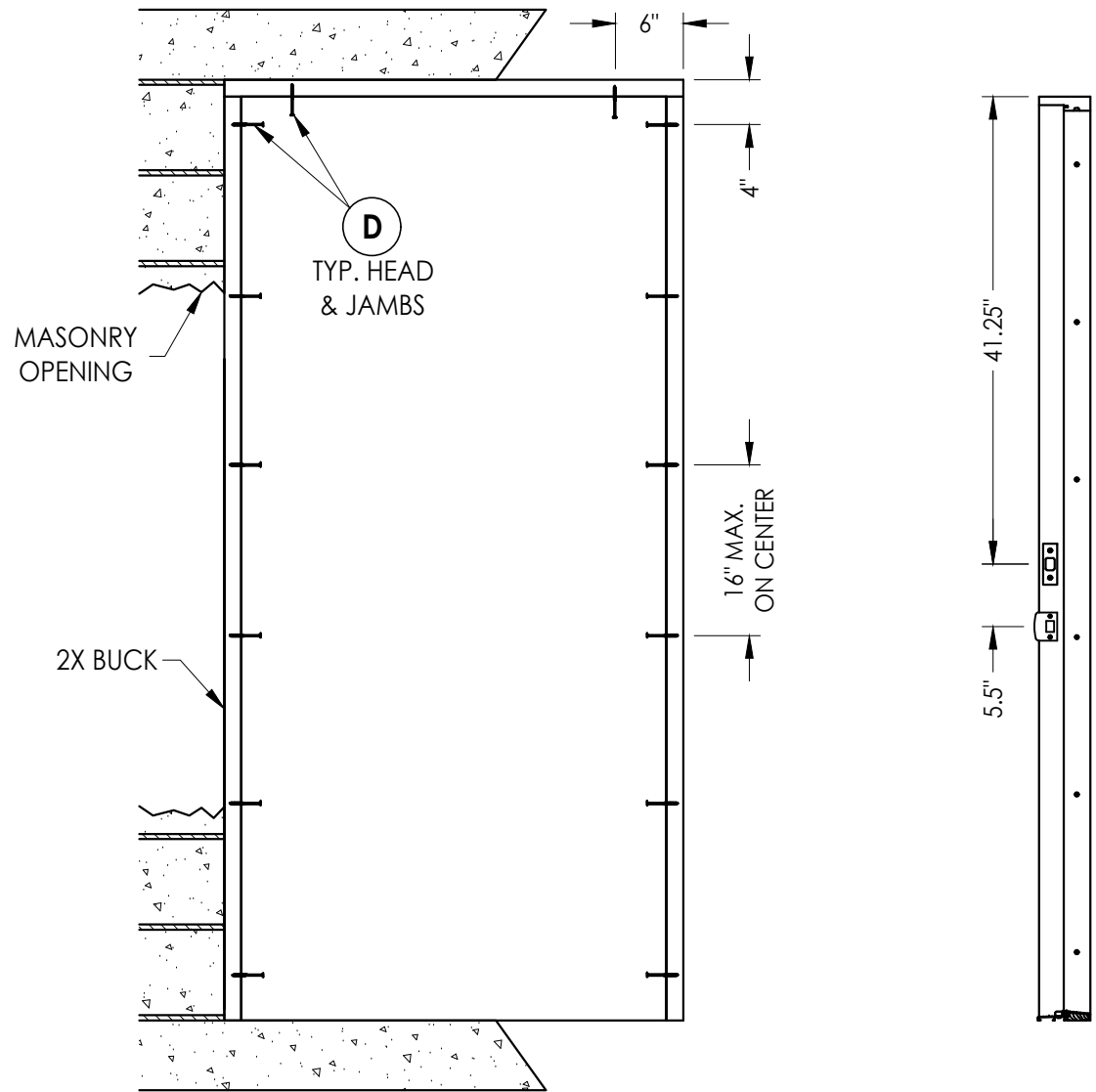


**2** **VERTICAL CROSS SECTION**  
**4** Shown w/1X sub-buck



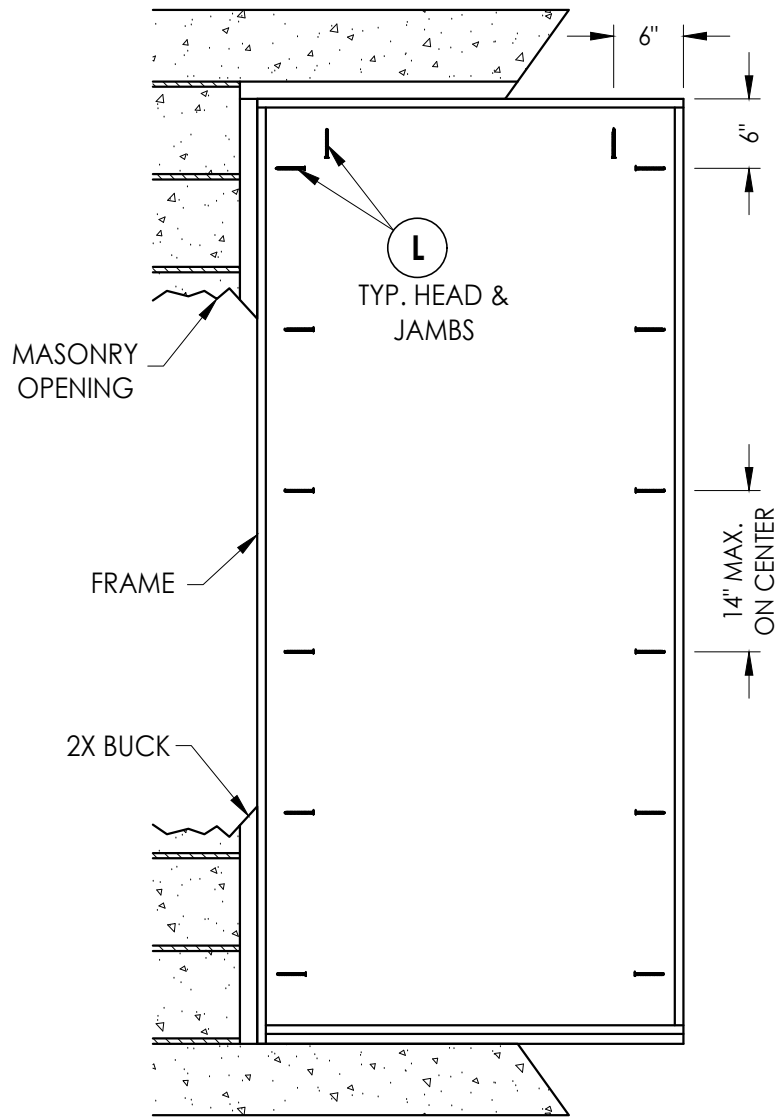
**4** **VERTICAL CROSS SECTION**  
**4** Inswing configuration

|                                                               |                                  |                                                                                                                    |           |     |
|---------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------|-----------|-----|
| 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:                                                      | PLASTPRO INC.<br>FIBERGLASS DOOR |                                                                                                                    | REVISIONS |     |
|                                                               | PART OR ASSEMBLY:                |                                                                                                                    |           |     |
|                                                               | VERTICAL CROSS SECTIONS          |                                                                                                                    |           |     |
|                                                               |                                  |                                                                                                                    |           |     |
| 5                                                             | 7/02/26                          | UPDATE TO 9TH ED. (2026)                                                                                           | FBC       | LFS |
| 4                                                             | 8/24/23                          | UPDATE TO 8TH ED. (2023)                                                                                           | FBC       | LFS |
| 3                                                             | 7/27/20                          | UPDATE TO 7TH ED. (2020)                                                                                           | FBC       | LFS |
| 2                                                             | 10/19/17                         | UPDATE TO 6TH ED. (2017)                                                                                           | FBC       | LFS |
| 1                                                             | 04/22/15                         | UPDATE TO 5TH ED. (2014)                                                                                           | FBC       | JK  |
| NO.                                                           | DATE                             |                                                                                                                    |           | BY  |
|                                                               |                                  |                                                                                                                    |           |     |
| DATE: 02/16/12                                                |                                  |                                                                                                                    |           |     |
| SCALE: N.T.S.                                                 |                                  |                                                                                                                    |           |     |
| DWG. BY: JK                                                   |                                  |                                                                                                                    |           |     |
| CHK. BY: LFS                                                  |                                  |                                                                                                                    |           |     |
| DRAWING NO.: FL-15213.14                                      |                                  |                                                                                                                    |           |     |
| SHEET 4 OF 7                                                  |                                  |                                                                                                                    |           |     |

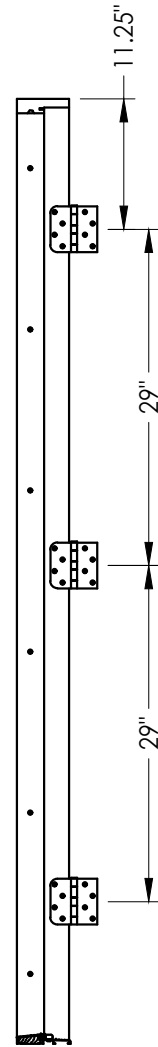


BUCK ANCHORING

STRIKE JAMB



FRAME ANCHORING  
Masonry 2X buck construction



HINGE JAMB

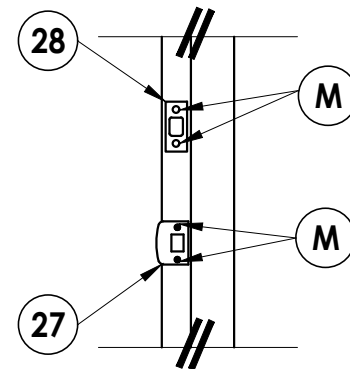
CONCRETE ANCHOR NOTES:

- 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:

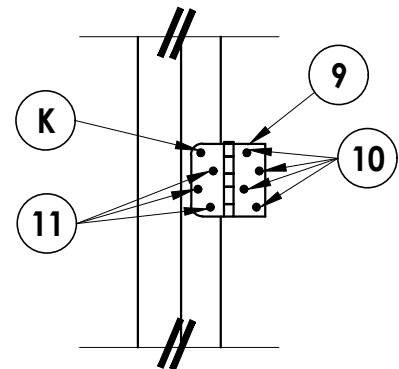
| ANCHOR TYPE      | ANCHOR SIZE | MIN. EMBEDMENT | MIN. CLEARANCE TO MASONRY EDGE | MIN. CLEARANCE TO ADJACENT ANCHOR |
|------------------|-------------|----------------|--------------------------------|-----------------------------------|
| ITW TAPCON®      | 1/4"        | 1-1/4"         | 2"                             | 4"                                |
| DeWALT ULTRACON® | 1/4"        | 1-1/4"         | 1"                             | 4"                                |

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.



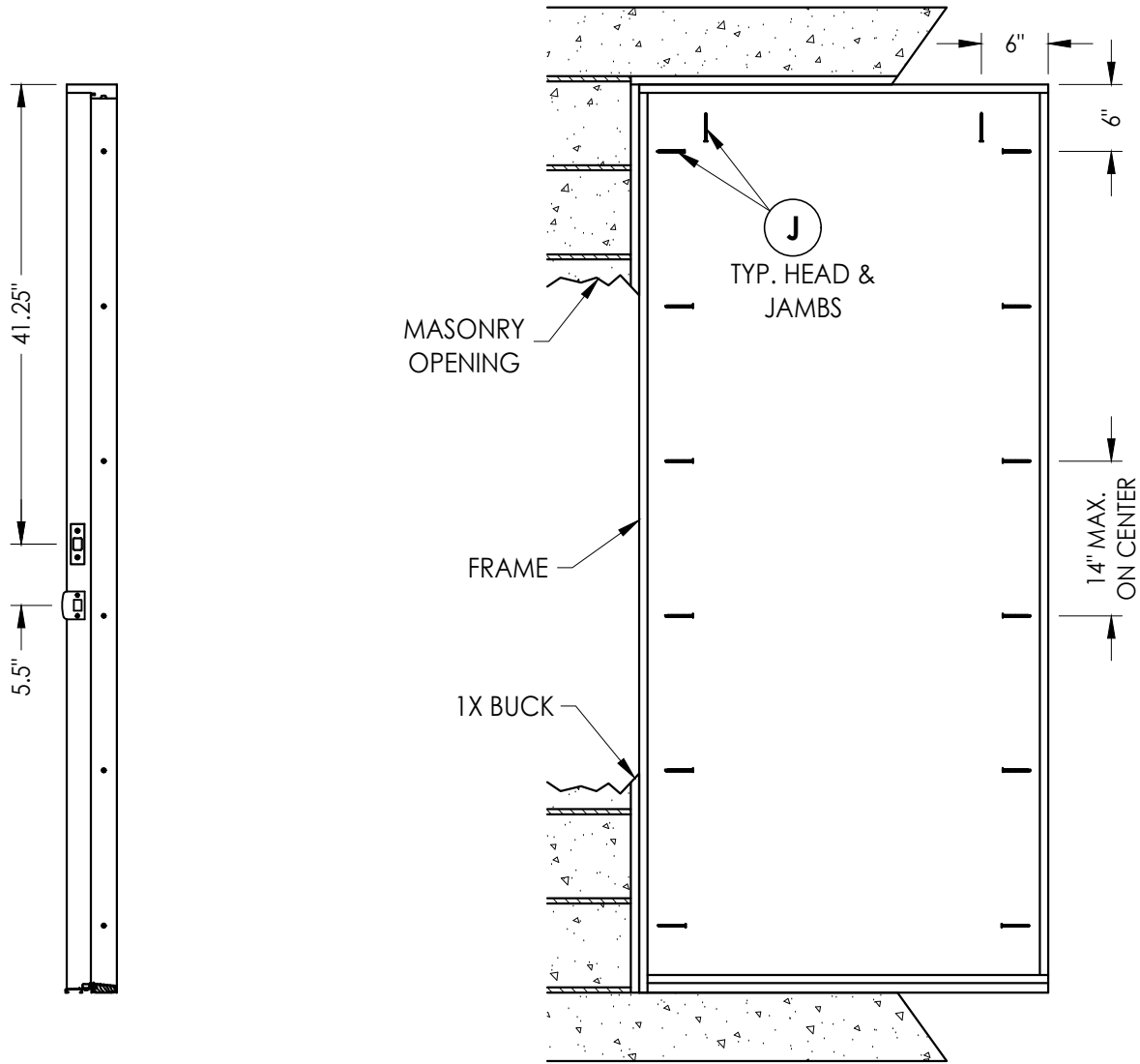
LATCH & DEADBOLT DETAIL



HINGE DETAIL

|                                                               |          |                          |     |                                                                                                                    |           |  |  |
|---------------------------------------------------------------|----------|--------------------------|-----|--------------------------------------------------------------------------------------------------------------------|-----------|--|--|
| 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><br>PLASTPRO INC.<br>FIBERGLASS DOOR              |          |                          |     | PART OR ASSEMBLY:<br><br>BUCK AND FRAME ANCHORING 2X<br>BUCK MASONRY CONSTRUCTION                                  |           |  |  |
|                                                               |          |                          |     |                                                                                                                    |           |  |  |
| 5                                                             | 7/02/26  | UPDATE TO 9TH ED. (2026) | FBC | LFS                                                                                                                | REVISIONS |  |  |
| 4                                                             | 8/24/23  | UPDATE TO 8TH ED. (2023) | FBC | LFS                                                                                                                |           |  |  |
| 3                                                             | 7/27/20  | UPDATE TO 7TH ED. (2020) | FBC | LFS                                                                                                                |           |  |  |
| 2                                                             | 10/19/17 | UPDATE TO 6TH ED. (2017) | FBC | LFS                                                                                                                |           |  |  |
| 1                                                             | 04/22/15 | UPDATE TO 5TH ED. (2014) | FBC | JK                                                                                                                 |           |  |  |
| NO.                                                           | DATE     |                          |     | BY                                                                                                                 |           |  |  |
| DATE: 02/16/12                                                |          |                          |     |                                                                                                                    |           |  |  |
| SCALE: N.T.S.                                                 |          |                          |     |                                                                                                                    |           |  |  |
| DWG. BY: JK                                                   |          |                          |     |                                                                                                                    |           |  |  |
| CHK. BY: LFS                                                  |          |                          |     |                                                                                                                    |           |  |  |
| DRAWING NO.: FL-15213.14                                      |          |                          |     |                                                                                                                    |           |  |  |
| SHEET 5 OF 7                                                  |          |                          |     |                                                                                                                    |           |  |  |

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STRIKE JAMB

FRAME ANCHORING  
Masonry 1X buck construction

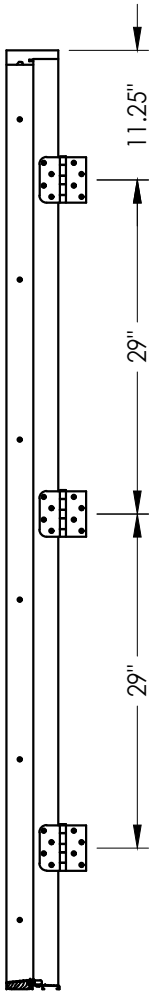
CONCRETE ANCHOR NOTES:

- 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:

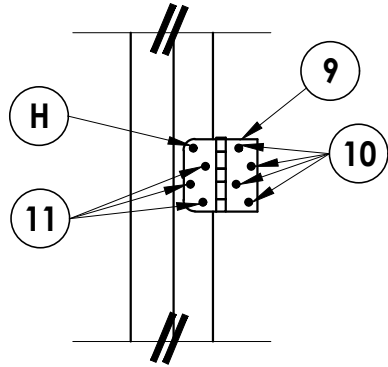
| ANCHOR TYPE       | ANCHOR SIZE | MIN. EMBEDMENT | MIN. CLEARANCE TO MASONRY EDGE | MIN. CLEARANCE TO ADJACENT ANCHOR |
|-------------------|-------------|----------------|--------------------------------|-----------------------------------|
| ITW TAPCON®       | 1/4"        | 1-1/4"         | 2"                             | 4"                                |
| DeWALT ULTRACON+® | 1/4"        | 1-1/4"         | 1"                             | 4"                                |
| ITW TAPCON®       | 3/16"       | 1-1/4"         | 3"                             | 1-1/2"                            |

WOOD SCREW INSTALLATION NOTES:

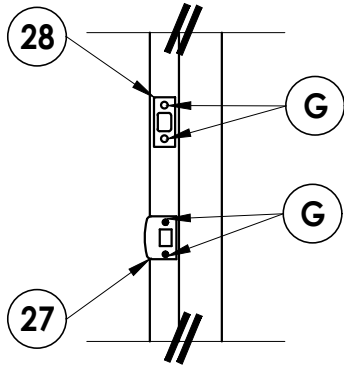
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



HINGE JAMB



HINGE DETAIL



LATCH & DEADBOLT DETAIL

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 INC.  
FIBERGLASS DOOR  
PART OR ASSEMBLY:  
FRAME ANCHORING 1X BUCK  
MASONRY CONSTRUCTION

| NO. | DATE     | REVISIONS                    |
|-----|----------|------------------------------|
| 5   | 7/02/26  | UPDATE TO 9TH ED. (2026) FBC |
| 4   | 8/24/23  | UPDATE TO 8TH ED. (2023) FBC |
| 3   | 7/27/20  | UPDATE TO 7TH ED. (2020) FBC |
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DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:  
FL-15213.14

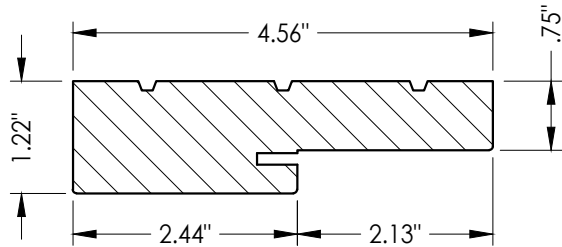
SHEET 6 OF 7

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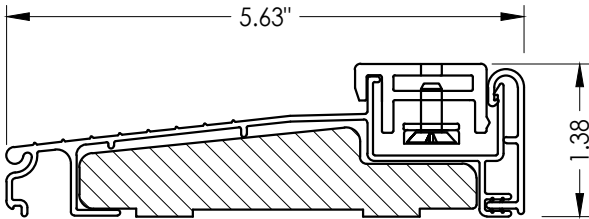
| BILL OF MATERIALS |                                                                                                |               |
|-------------------|------------------------------------------------------------------------------------------------|---------------|
| ITEM              | DESCRIPTION                                                                                    | MATERIAL      |
| A                 | 1X BUCK SG >= 0.55                                                                             | WOOD          |
| B                 | 2X BUCK SG >= 0.55                                                                             | 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      |
| G                 | 3/16" X 3-1/4" PFH ITW CONCRETE SCREW                                                          | STEEL         |
| H                 | 1/4" x 3-1/4" PFH ITW CONCRETE SCREW                                                           | STEEL         |
| J                 | 1/4" X 3-3/4" PFH ITW CONCRETE SCREW                                                           | STEEL         |
| K                 | #10 X 2" PFH WOOD SCREW                                                                        | STEEL         |
| L                 | #8 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)                                              | STEEL         |
| M                 | #8 X 2" PFH WOOD SCREW                                                                         | STEEL         |
| 7                 | FORCE 5 WEATHER STRIPPING BY ENDURA                                                            | FOAM          |
| 8                 | COMPRESSION WEATHER STRIP QLON 650 BY SCHLEGEL                                                 | FOAM          |
| 9                 | 4" X 4" BUTT HINGE                                                                             | STEEL         |
| 10                | #9 X 1" PFH WOOD SCREW                                                                         | STEEL         |
| 11                | #9 X 3/4" PFH WOOD SCREW                                                                       | STEEL         |
| 17                | KWIKSET KEYED ENTRY - SIGNATURE SERIES                                                         | STEEL         |
| 18                | KWIKSET DEADBOLT - SIGNATURE SERIES (780)                                                      | STEEL         |
| 20                | FINGER JOINTED PINE FRAME, HEAD & HINGE JAMBS                                                  | WOOD          |
| 21                | POLYFIBER JAMB                                                                                 | COMP. / VINYL |
| 27                | LATCH STRIKE PLATE                                                                             | STEEL         |
| 28                | DEADBOLT STRIKE PLATE                                                                          | STEEL         |
| 30                | INSWING VINYL DOOR BOTTOM SWEEP BY ENDURA                                                      | VINYL         |
| 31                | OUTSWING BUMP THRESHOLD                                                                        | ALUM./ WOOD   |
| 32                | VINYL DOOR BOTTOM SWEEP #3628 BY HOLM IND.                                                     | PVC           |
| 33                | INSWING ADJUSTABLE THRESHOLD BY ENDURA                                                         | ALUM. / WOOD  |
| 34                | INSWING ADJUSTABLE ALUMINUM THRESHOLD BY DLP                                                   | ALUM. / WOOD  |
| 40                | DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS                              | -             |
| 41                | DOOR SKIN (MIN. 0.075" THICK)                                                                  | FIBERGLASS    |
| 42                | TOP RAIL                                                                                       | CELLULAR/PVC  |
| 43                | LATCH & HINGE STILE                                                                            | CELLULAR/PVC  |
| 44                | REINFORCEMENT WOOD FOR LOCKS (20" LONG)                                                        | WOOD          |
| 45                | BOTTOM RAIL                                                                                    | CELLULAR/PVC  |
| 46                | POLYURETHANE FOAM BY NAN YA                                                                    | POLYURETHANE  |
| 47                | CONTINUOUS LATCH & HINGE STILE REINFORCEMENT                                                   | WOOD          |
| 49                | GLAZING COMPOUND                                                                               | SILICONE      |
| 55                | LIP LITE ODL/WESTERN REFLECTIONS HP                                                            | POLYPROPYLENE |
| 56                | ALUM. GLAZING SPACER                                                                           | ALUM.         |
| 57                | #8 x 1-1/2" PFH LITE FRAME SCREW                                                               | STEEL         |

CORROSION RESISTANCE - SALTWATER ENVIRONMENT

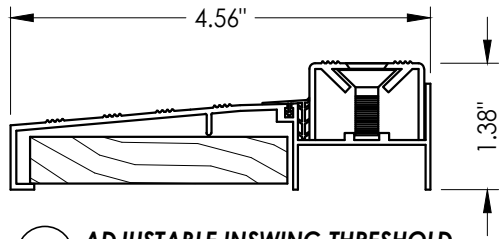
Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.



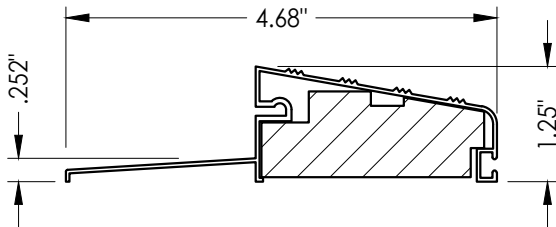
20 HEAD & SIDE Jamb



33 ADJUSTABLE INSWING THRESHOLD



34 ADJUSTABLE INSWING THRESHOLD



31 OUTSWING BUMP THRESHOLD

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 INC.              |  |
|                   | FIBERGLASS DOOR            |  |
| PART OR ASSEMBLY: | BILL OF MATERIALS, GLAZING |  |
|                   | DETAIL & COMPONENTS        |  |

| NO. | DATE     | REVISIONS         |         |                   |        |     |     |
|-----|----------|-------------------|---------|-------------------|--------|-----|-----|
|     |          | 5                 | 7/02/26 | UPDATE TO 9TH ED. | (2026) | FBC | LFS |
| 4   | 8/24/23  | UPDATE TO 8TH ED. | (2023)  | FBC               | LFS    |     |     |
| 3   | 7/27/20  | UPDATE TO 7TH ED. | (2020)  | FBC               | LFS    |     |     |
| 2   | 10/19/17 | UPDATE TO 6TH ED. | (2017)  | FBC               | LFS    |     |     |
| 1   | 04/22/15 | UPDATE TO 5TH ED. | (2014)  | FBC               | JK     |     |     |
|     |          |                   |         |                   | BY     |     |     |

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15213.14

SHEET 7 OF 7