



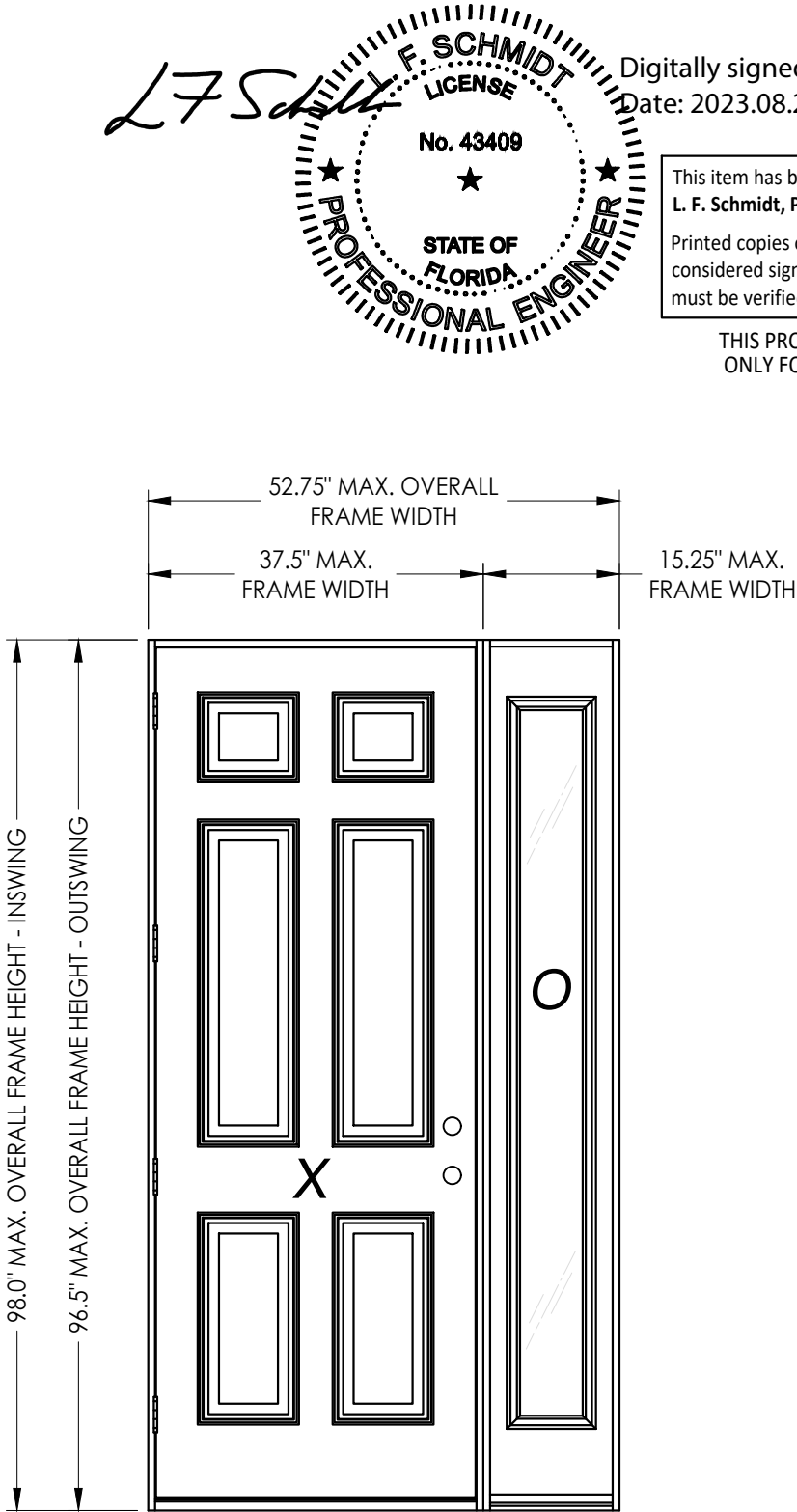
5200 W. CENTURY BLVD.  
LOS ANGELES, CA 90045

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

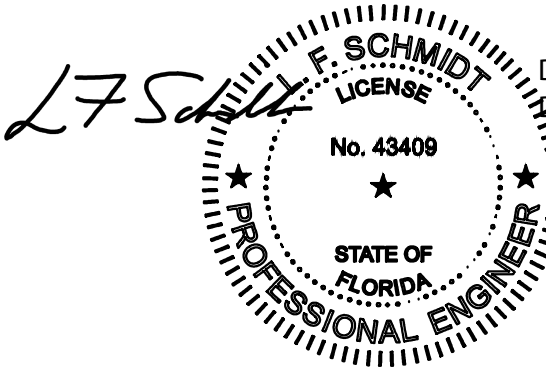
GENERAL NOTES

- 1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements 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 includes Wind Zone 4 as defined in ASTM E1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1. The sidelite must 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                 | Sidelite panel details                                  |
| 4                 | Horizontal cross sections                               |
| 5                 | Vertical cross sections                                 |
| 6                 | Vertical cross sections                                 |
| 7                 | Buck and frame anchoring - 2X buck masonry construction |
| 8                 | Frame anchoring - 1X buck masonry construction          |
| 9                 | Bill of materials, glazing details & components         |



| SWING    | OVERALL FRAME DIMENSION | SIDELITE D.L.O. DIMENSION | GLASS TYPE | DESIGN PRESSURE (PSF) |          |
|----------|-------------------------|---------------------------|------------|-----------------------|----------|
|          |                         |                           |            | POSITIVE              | NEGATIVE |
| INSWING  | 52.75" x 98.0"          | 7.0" x 79.0"              | G1         | +47.0                 | -47.0    |
| OUTSWING | 52.75" x 96.5"          | 7.0" x 79.0"              |            | +47.0                 | -47.0    |



Digitally signed by Lyndon F Schmidt  
Date: 2023.08.24 10:52:25 -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

|     |          |                          |     |     |
|-----|----------|--------------------------|-----|-----|
| 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  |

REVISIONS

DATE: 02/16/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-15213.20

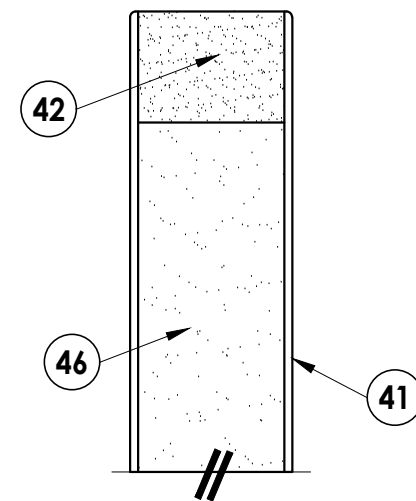
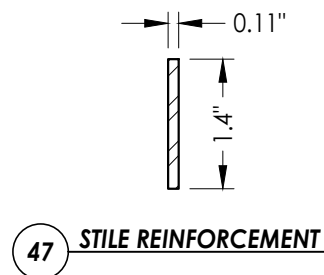
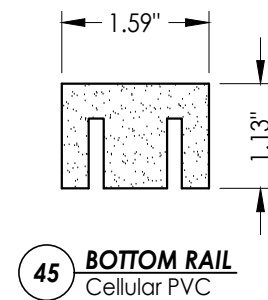
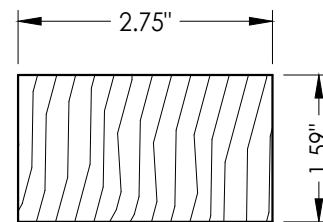
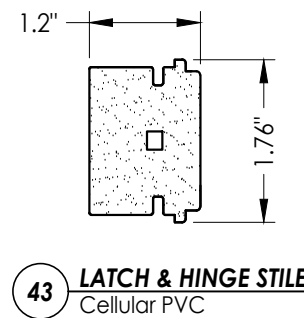
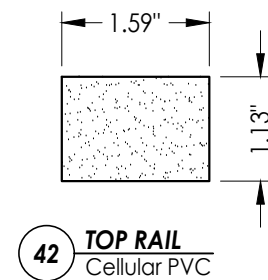
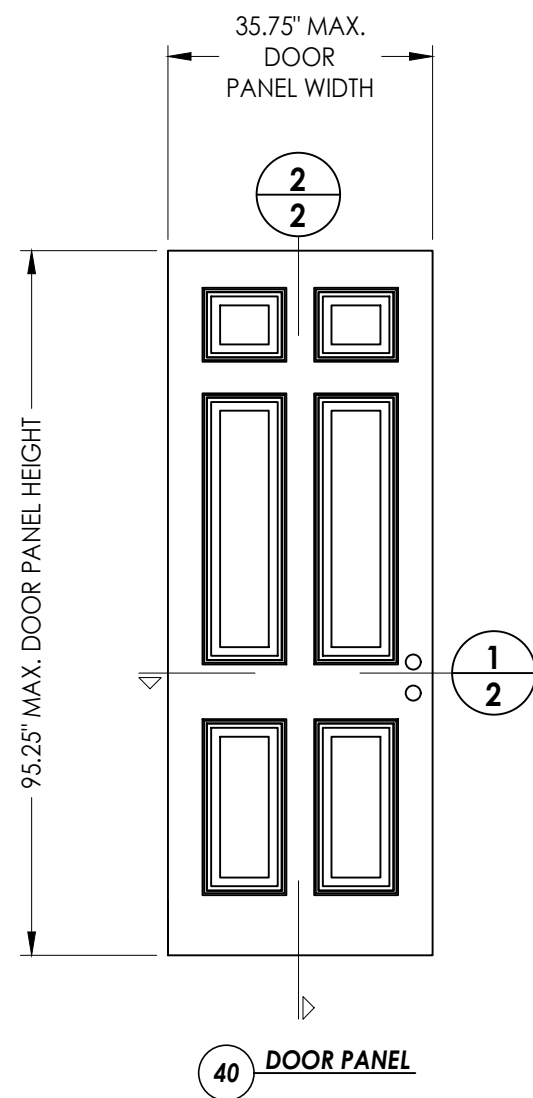
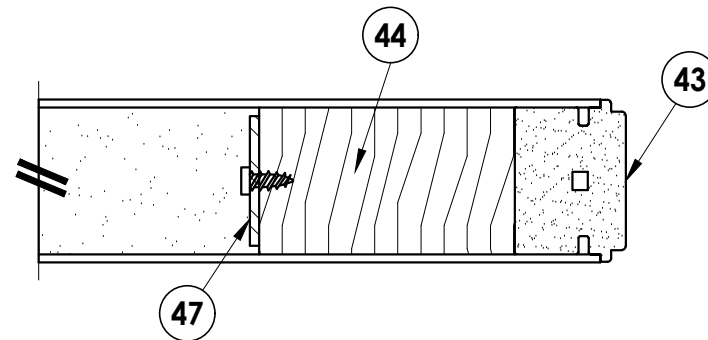
SHEET 1 OF 9

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

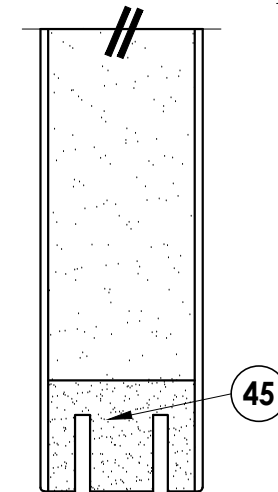
© 2012 R.W. BUILDING CONSULTANTS INC.

EXTERIOR

## 1 2 HORIZONTAL CROSS SECTION



EXTERIOR

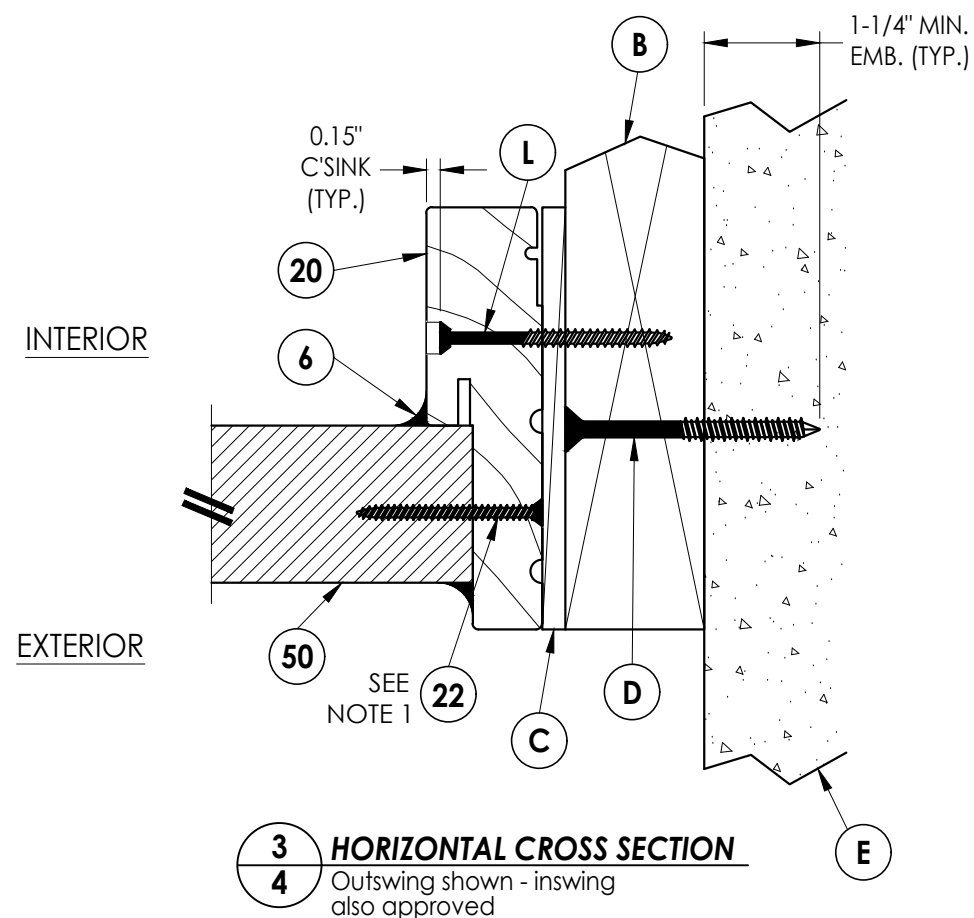
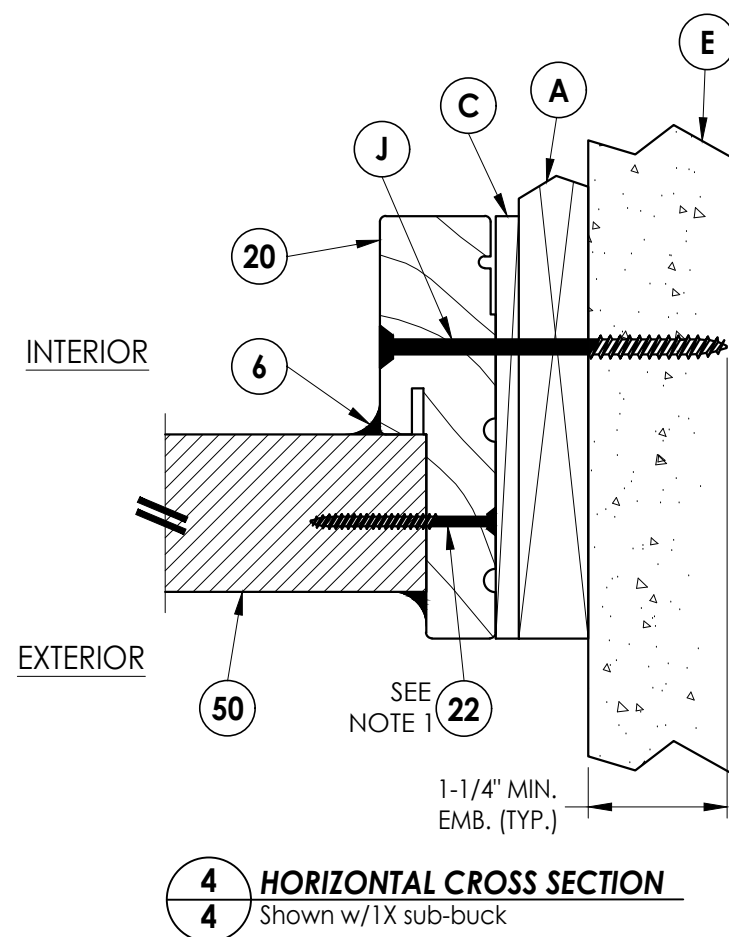
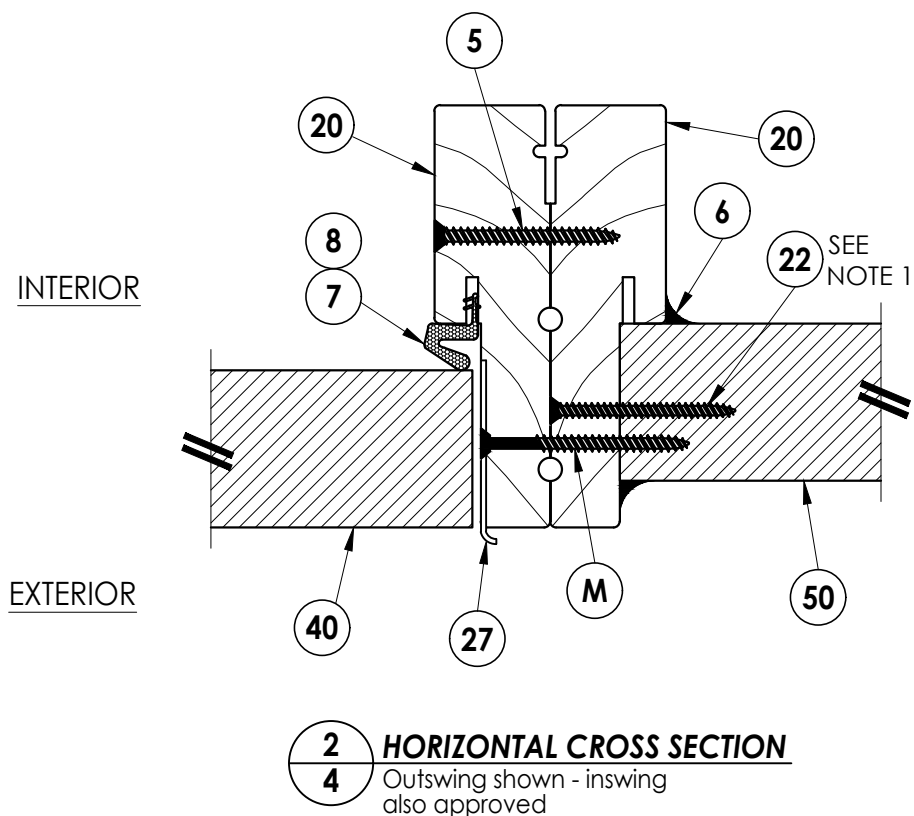
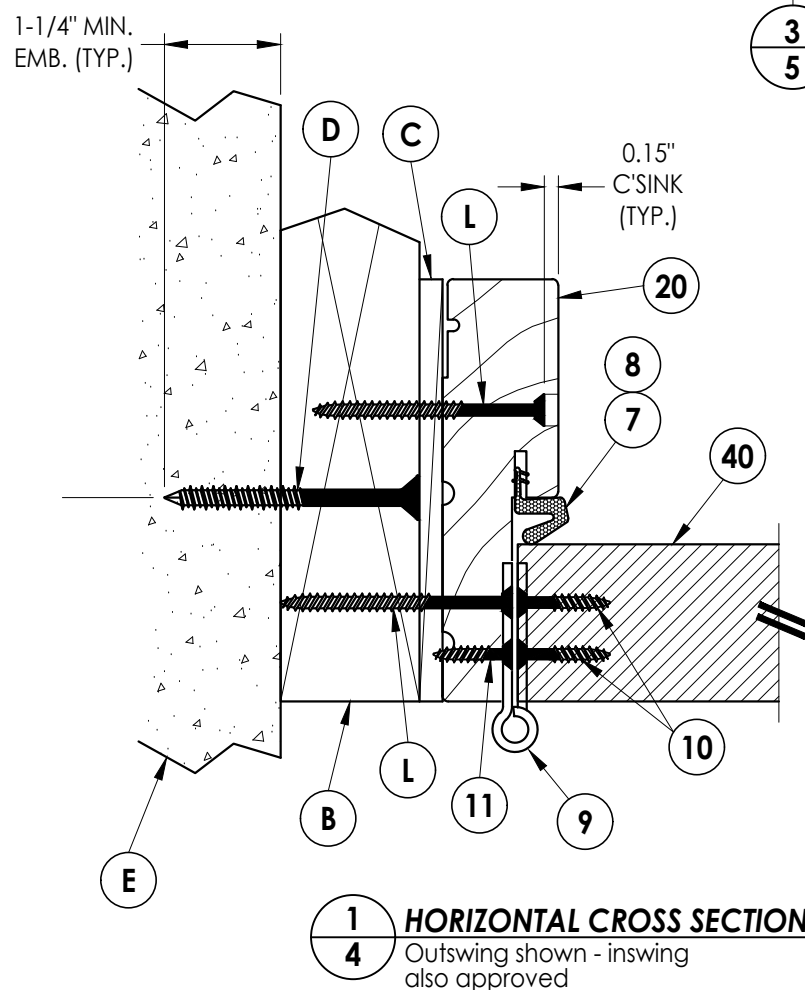


**2** VERTICAL CROSS SECTION  
**2**

[illegible]



1. Sidelite panel secured to the sidelite frame with (6) of item #22 located 5", 22.05", 39.10", 56.15", 73.2", & 90.25" from top of each jamb and (2) of item #22 in the head and sill 3" from each end

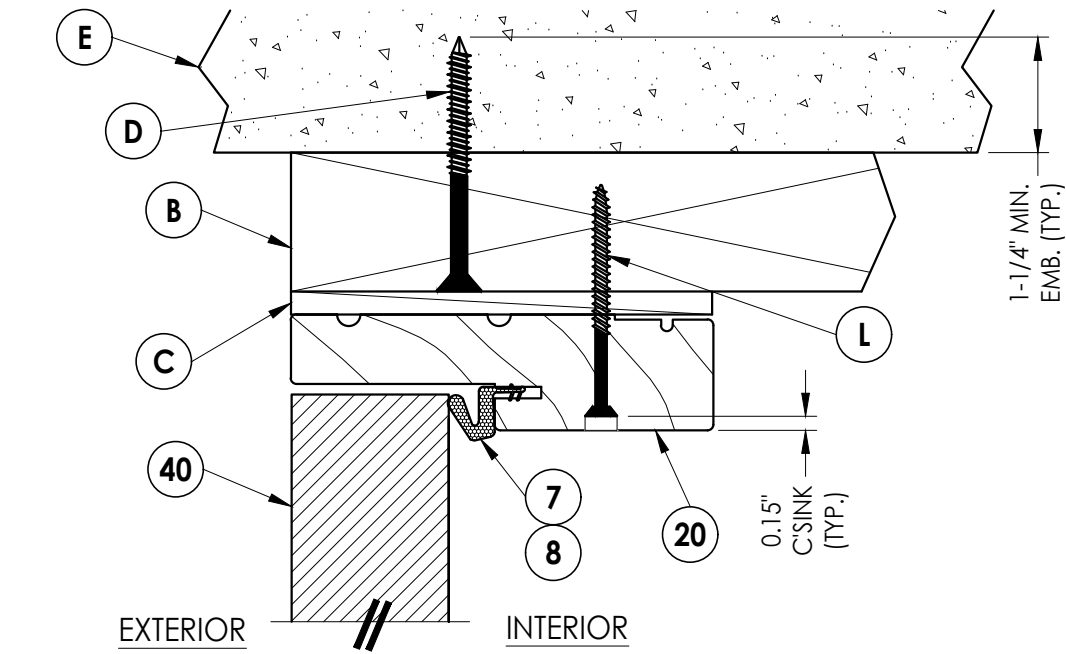


PRODUCT: PLASTPRO INC.  
FIBERGLASS DOOR

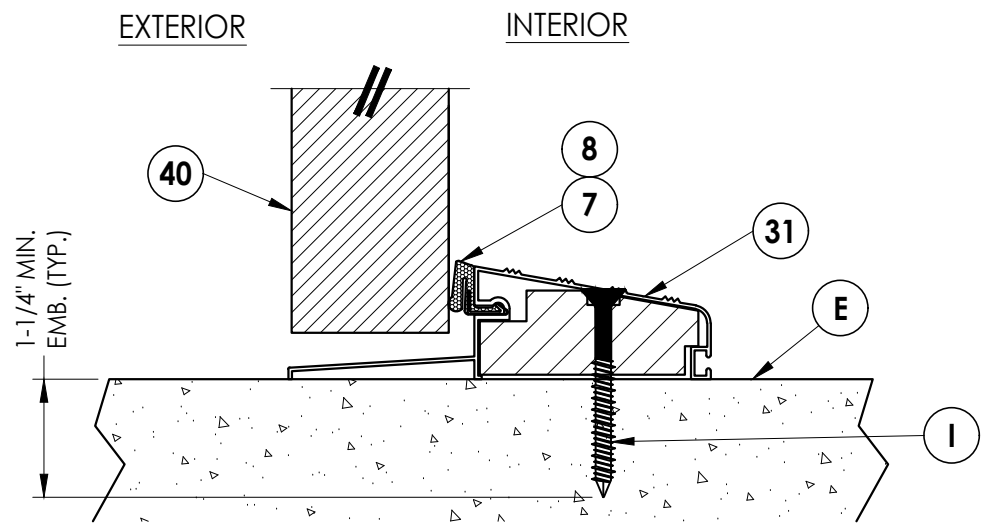
***R<sup>gW</sup>*** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

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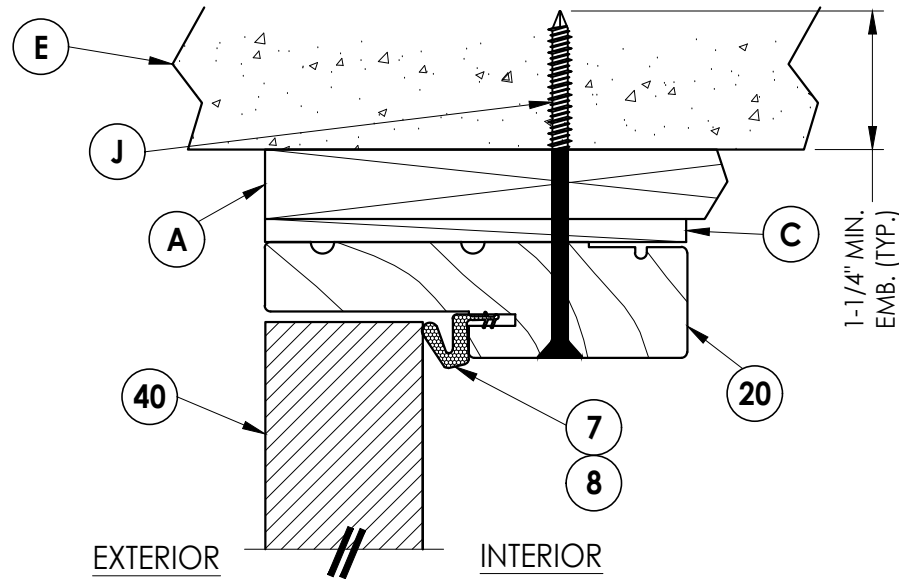
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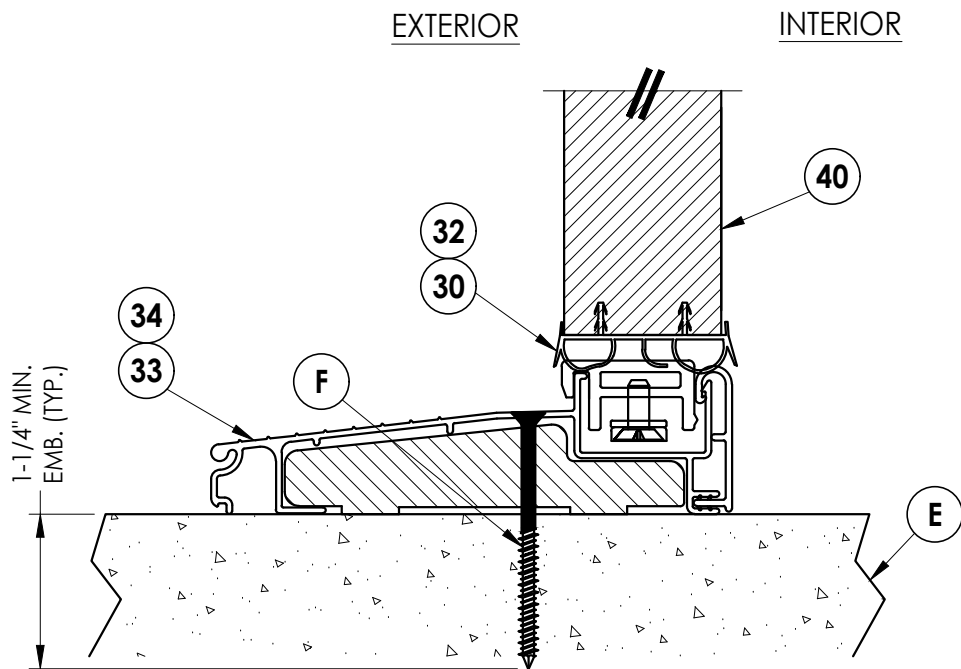
**1** **VERTICAL CROSS SECTION**  
**5** Outswing shown - inswing  
also approved



**3** **VERTICAL CROSS SECTION**  
**5** Outswing configuration



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



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

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:

VERTICAL CROSS SECTIONS

| NO. | DATE     | REVISIONS                |     |     |     |
|-----|----------|--------------------------|-----|-----|-----|
|     |          | BY                       | JK  | LFS | FBC |
| 4   | 8/24/23  | UPDATE TO 8TH ED. (2023) | FBC | LFS |     |
| 3   | 7/27/20  | UPDATE TO 7TH ED. (2020) | FBC | LFS |     |
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| 1   | 04/22/15 | UPDATE TO 5TH ED. (2014) | FBC | JK  |     |

DATE: 02/16/12

SCALE: N.T.S.

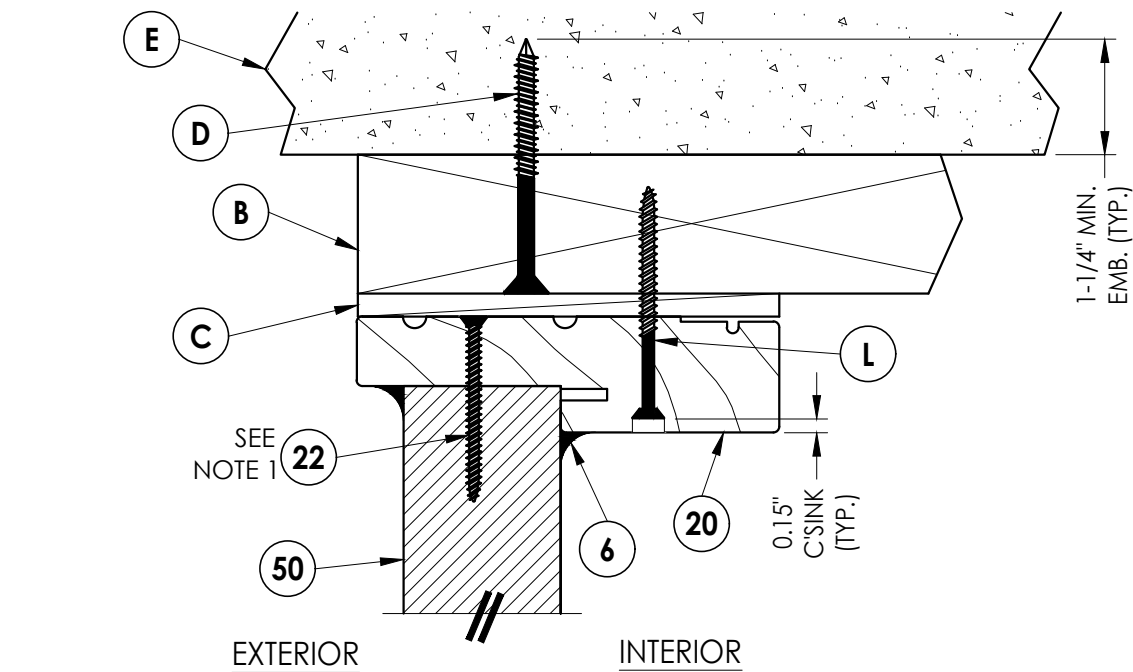
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CHK. BY: LFS

DRAWING NO.:

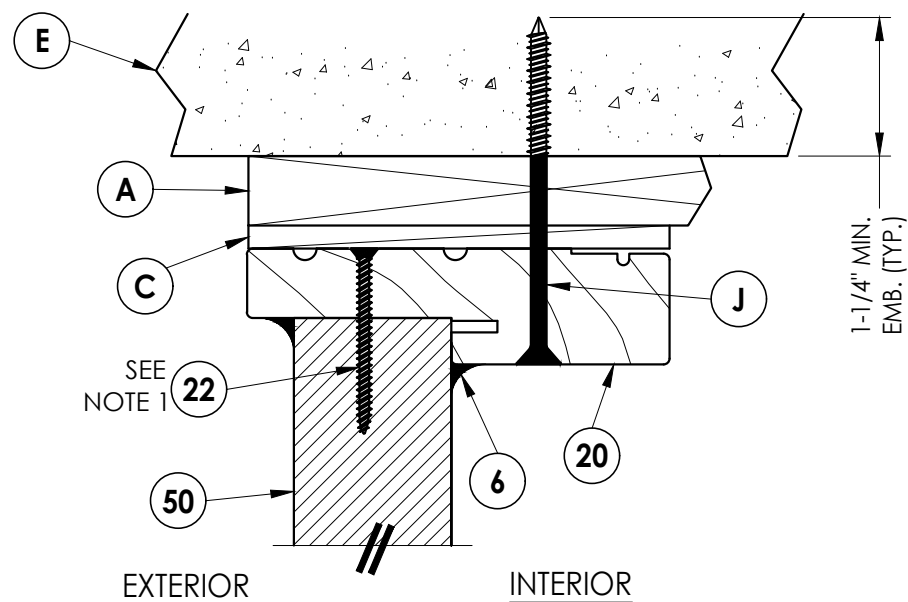
FL-15213.20

SHEET 5 OF 9



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

Outswing shown - inswing  
also approved

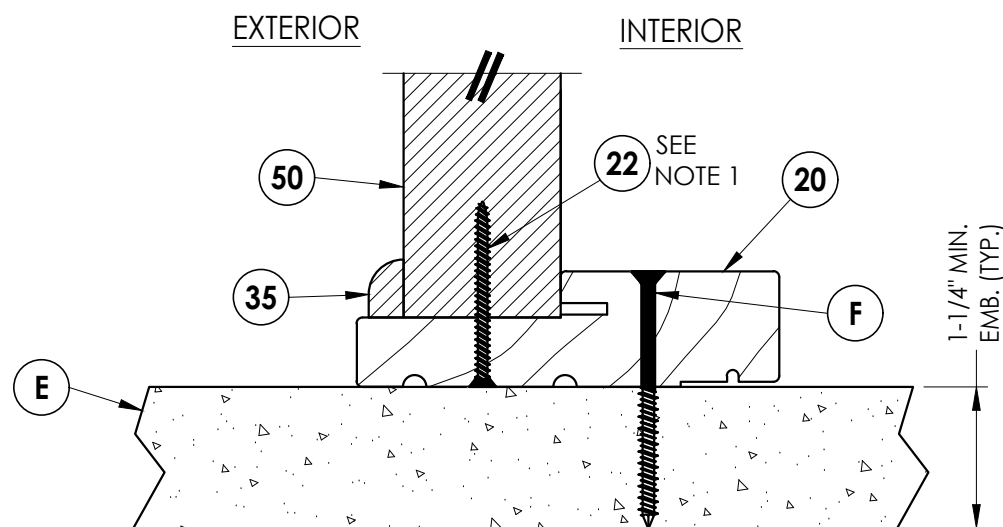


**2** **VERTICAL CROSS SECTION**  
**6** Shown w/1X sub-buck

Shown w/1X sub-buck

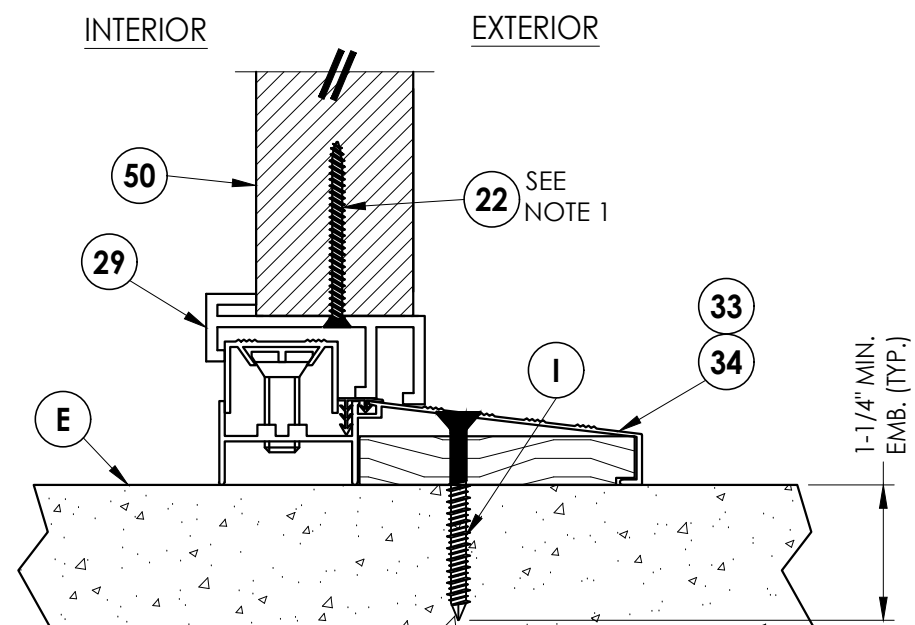
NOTE:

1. Sidelite panel secured to the sidelite frame with (6) of item #22 located 5", 22.05", 39.10", 56.15", 73.2", & 90.25" from top of each jamb and (2) of item #22 in the head and sill 3" from each end



### 3 6 **VERTICAL CROSS SECTION** Outswing configuration

### Outswing configuration

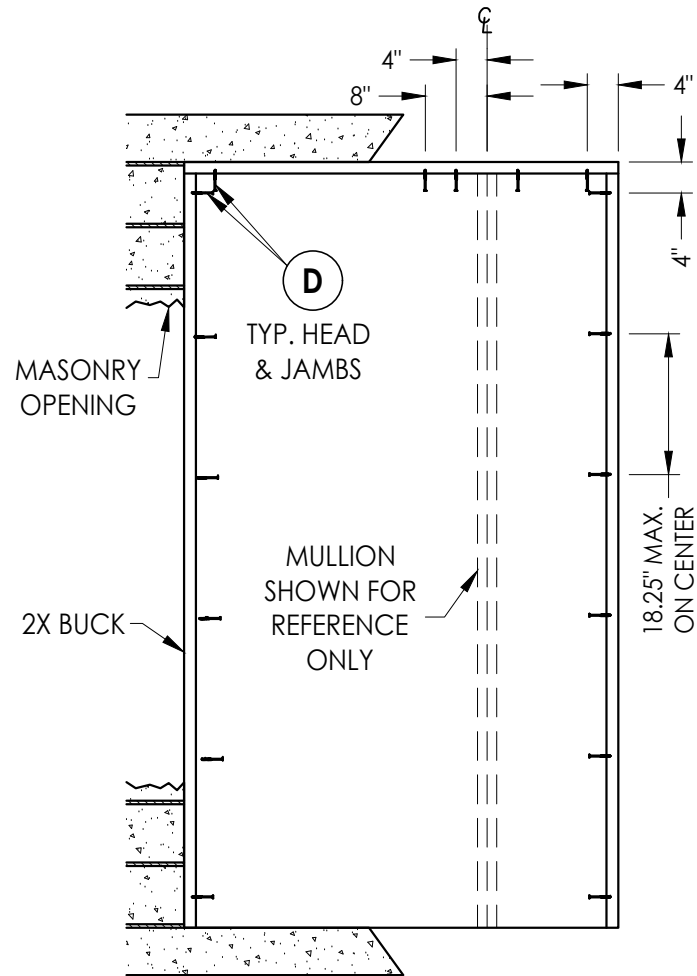


**4** **VERTICAL CROSS SECTION**  
**6** Inswing configuration

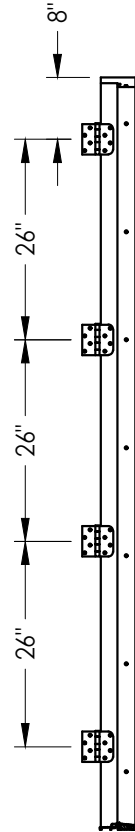
Inswing configuration

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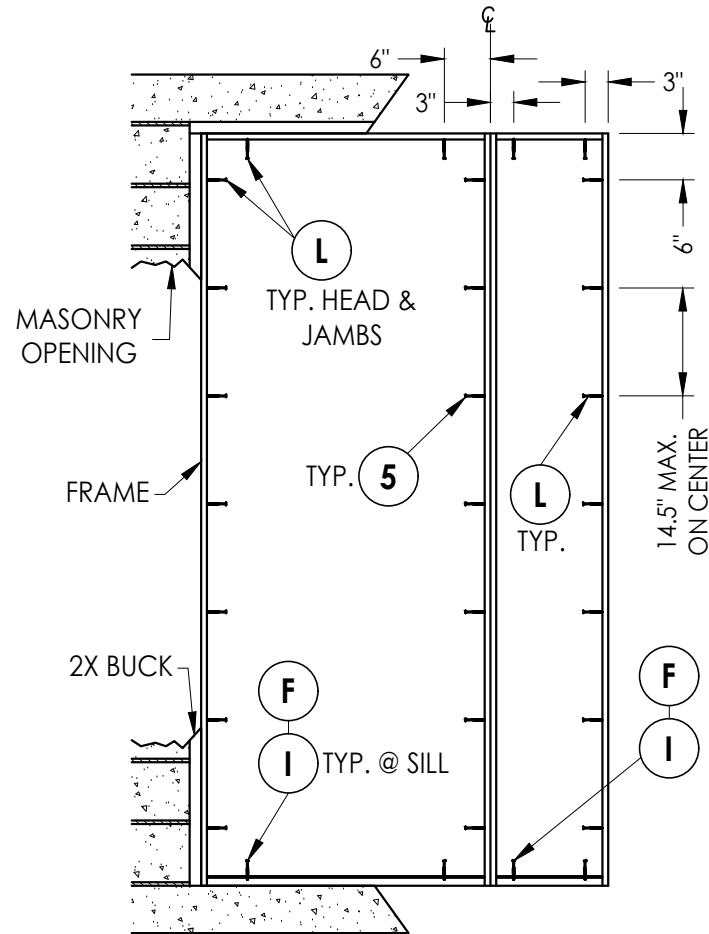
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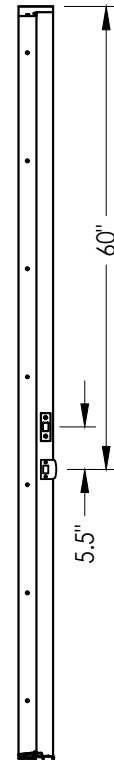
**BUCK ANCHORING**



**HINGE JAMB**



**FRAME ANCHORING**  
Masonry 2X buck construction



**STRIKE JAMB**

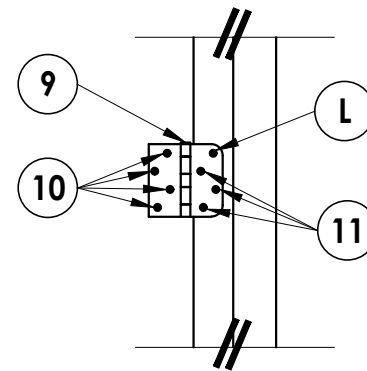
**CONCRETE ANCHOR NOTES:**

- 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:

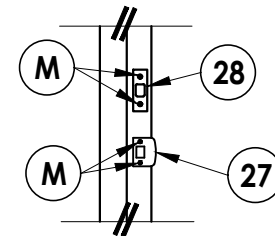
| ANCHOR TYPE      | ANCHOR SIZE | MIN. EMBEDMENT | MIN. CLEARANCE TO MASONRY EDGE | MIN. CLEARANCE TO ADJACENT ANCHOR |
|------------------|-------------|----------------|--------------------------------|-----------------------------------|
| ITW TAPCON®      | 1/4"        | 1-1/4"         | 2"    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



**HINGE DETAIL**



**LATCH & DEADBOLT DETAIL**

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

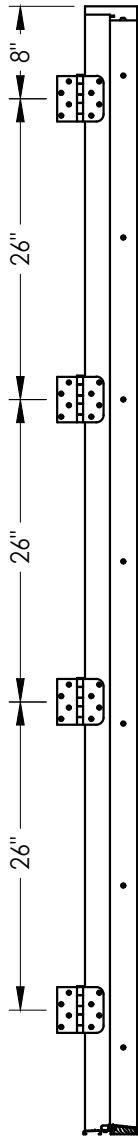
**RW** BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR  
PART OR ASSEMBLY: BUCK & FRAME ANCHORING 2X BUCK MASONRY CONSTRUCTION

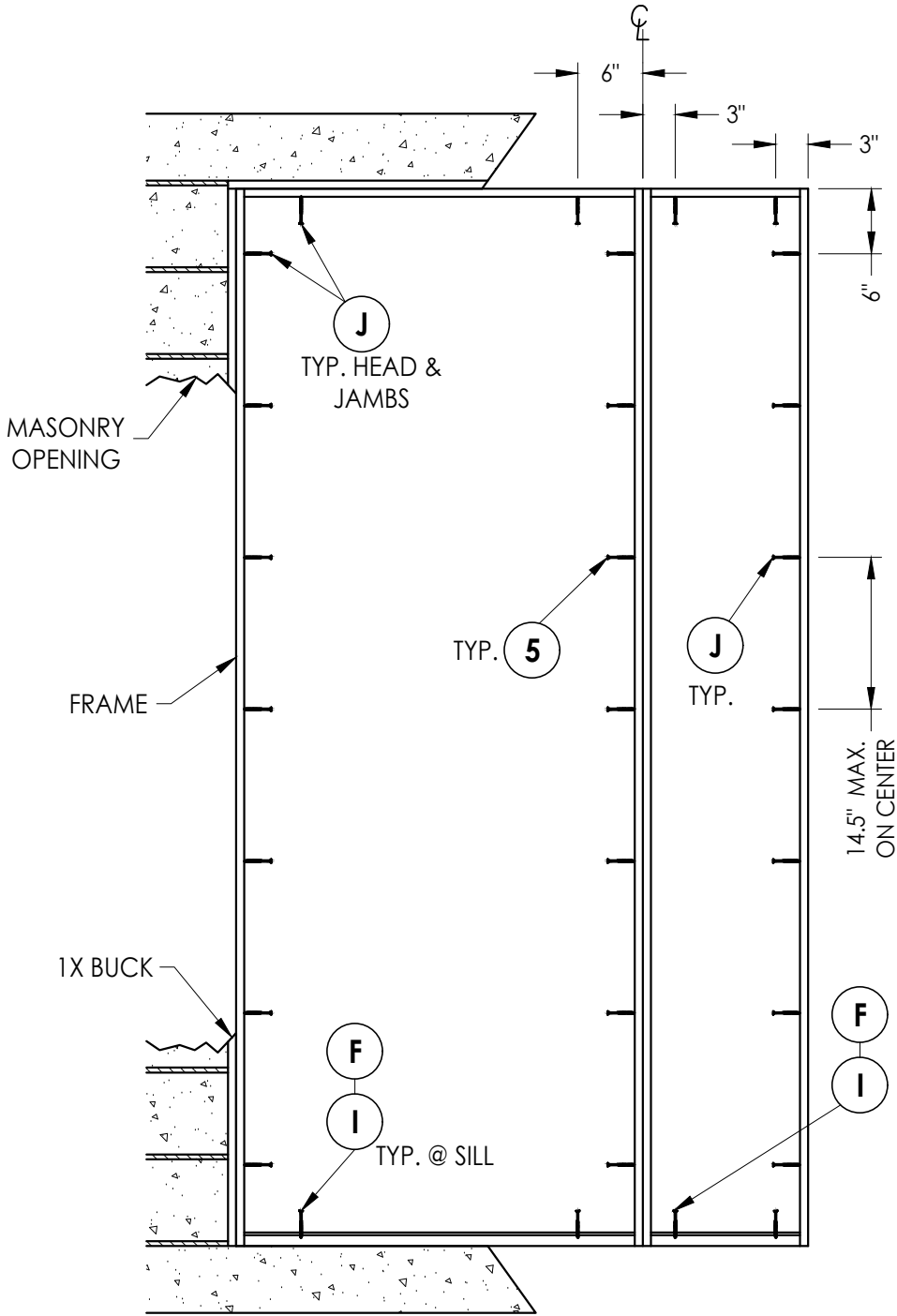
| NO. | DATE     | REVISIONS                    |
|-----|----------|------------------------------|
| 4   | 8/24/23  | UPDATE TO 8TH ED. (2023) FBC |
| 3   | 7/27/20  | UPDATE TO 7TH ED. (2020) FBC |
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DATE: 02/16/12  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-15213.20  
SHEET 7 OF 9

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HINGE JAMB



FRAME ANCHORING

Masonry 1X buck construction

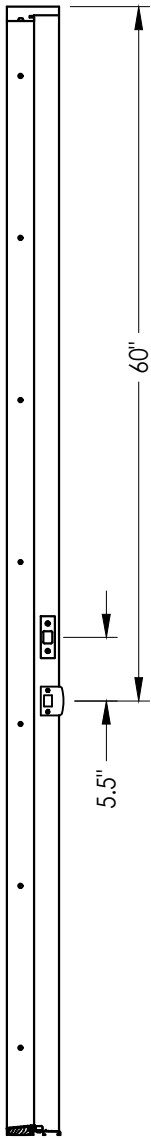
CONCRETE ANCHOR NOTES:

- 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:

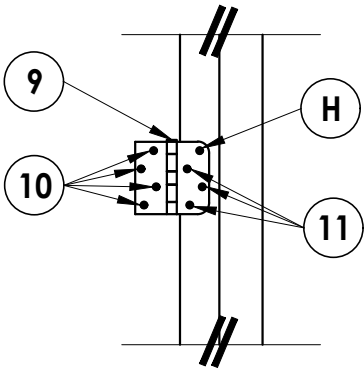
| ANCHOR TYPE | ANCHOR SIZE | MIN. EMBEDMENT | MIN. CLEARANCE TO MASONRY EDGE | MIN. CLEARANCE TO ADJACENT ANCHOR |
|-------------|-------------|----------------|--------------------------------|-----------------------------------|
| ITW TAPCON® | 1/4"        | 1-1/4"         | 2"                   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

WOOD SCREW INSTALLATION NOTES:

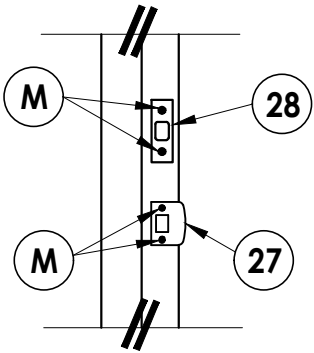
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



STRIKE 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                    |
|-----|----------|------------------------------|
| 4   | 8/24/23  | UPDATE TO 8TH ED. (2023) FBC |
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|     |          | BY                           |

DATE: 02/16/12

SCALE: N.T.S.

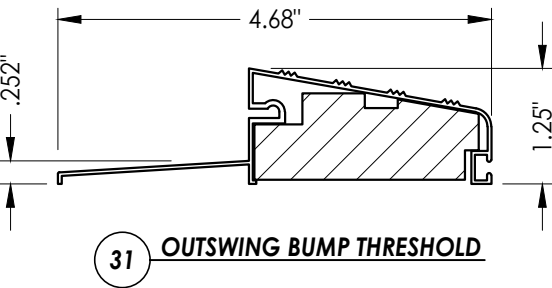
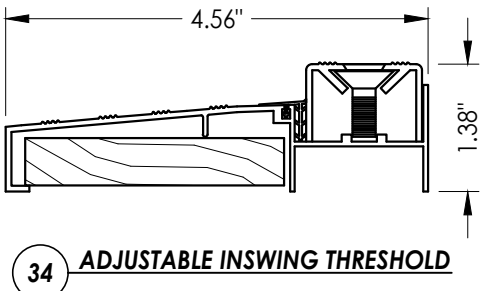
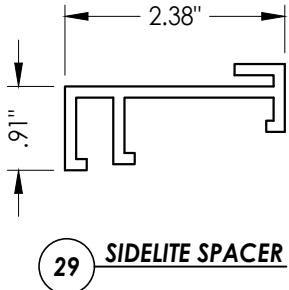
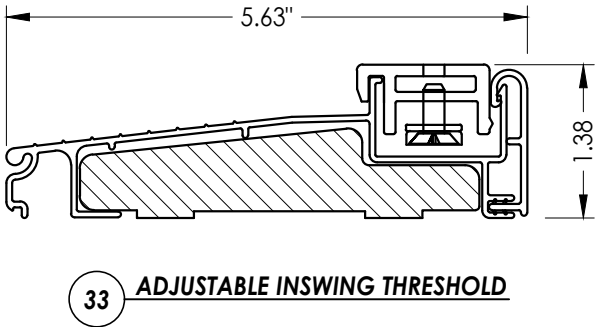
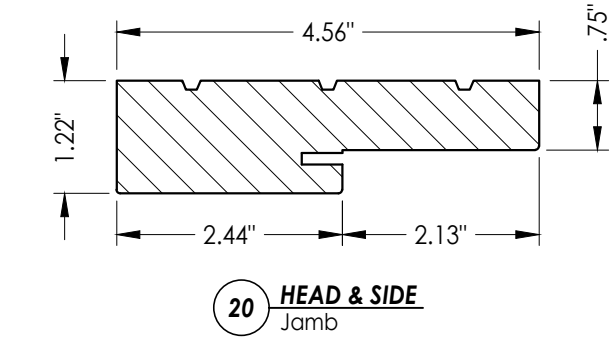
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:  
FL-15213.20

SHEET 8 OF 9

| 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     |
| F                 | 1/4" X 2-3/4" PFH ITW CONCRETE SCREW                                                           | STEEL        |
| H                 | 1/4" x 3-1/4" PFH ITW CONCRETE SCREW                                                           | STEEL        |
| I                 | 1/4" X 2-1/4" PFH ITW CONCRETE SCREW                                                           | STEEL        |
| J                 | 1/4" X 3-3/4" PFH ITW CONCRETE SCREW                                                           | STEEL        |
| L                 | #10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)                                             | STEEL        |
| M                 | #9 X 2-1/4" PFH WOOD SCREW                                                                     | STEEL        |
| 5                 | #10 X 2" PFH SCREW                                                                             | STEEL        |
| 6                 | SEALANT                                                                                        | SILICONE     |
| 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         |
| 22                | #8 X 2" PFH SCREW                                                                              | STEEL        |
| 27                | LATCH STRIKE PLATE                                                                             | STEEL        |
| 28                | DEADBOLT PLATE                                                                                 | STEEL        |
| 29                | SIDELITE SPACER                                                                                | PVC          |
| 30                | INSWING VINYL DOOR BOTTOM SWEEP BY ENDURA                                                      | VINYL        |
| 31                | OUTSWING BUMP THRESHOLD                                                                        | ALUM. / WOOD |
| 32                | VINYL DOOR BOTTOM SWEEP #3628 BY HOLM. IND.                                                    | VINYL        |
| 33                | INSWING ADJUSTABLE THRESHOLD BY ENDURA                                                         | ALUM. / WOOD |
| 34                | INSWING ADJUSTABLE ALUMINUM THRESHOLD BY DLP                                                   | ALUM. / WOOD |
| 35                | SHOE MOULD 5/8" X 3/8"                                                                         | WOOD         |
| 38                | ALUM. GLAZING SPACER                                                                           | ALUM.        |
| 39                | SNAP IN LITE FRAME                                                                             | ABS          |
| 40                | DOOR PANEL - SEE DOOR PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS                              | -            |
| 41                | DOOR SKIN (MIN. 0.086" THICK)                                                                  | FIBERGLASS   |
| 42                | TOP RAIL                                                                                       | CELLULAR PVC |
| 43                | LATCH & HINGE STILE EDGE                                                                       | CELLULAR PVC |
| 44                | LATCH AND HINGE STILE SUPPORT                                                                  | WOOD         |
| 45                | BOTTOM RAIL                                                                                    | CELLULAR PVC |
| 46                | POLYURETHANE FOAM BY NAN YA                                                                    | POLYURETHANE |
| 47                | STILE REINFORCEMENT                                                                            | STEEL        |
| 48                | REINFORCEMENT RETAINING SCREW                                                                  | NYLON        |
| 49                | GLAZING COMPOUND                                                                               | SILICONE     |
| 50                | SIDELITE PANEL - SEE SIDELITE PANEL DETAIL SHEET FOR CONSTRUCTION DETAILS                      | -            |
| 51                | SIDELITE STILE EDGE                                                                            | CELLULAR PVC |
| 52                | SIDELITE STILE SUPPORT                                                                         | WOOD         |
| 53                | SIDELITE TOP & BOTTOM RAIL                                                                     | CELLULAR PVC |



|                                                               |          |                                                                                                                    |           |
|---------------------------------------------------------------|----------|--------------------------------------------------------------------------------------------------------------------|-----------|
| 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                                                                                   |           |
| PART OR ASSEMBLY:                                             |          | BILL OF MATERIALS, GLAZING<br>DETAILS & COMPONENTS                                                                 |           |
|                                                               |          |                                                                                                                    |           |
| 4                                                             | 8/24/23  | UPDATE TO 8TH ED. (2023)                                                                                           | FBC       |
| 3                                                             | 7/27/20  | UPDATE TO 7TH ED. (2020)                                                                                           | FBC       |
| 2                                                             | 10/19/17 | UPDATE TO 6TH ED. (2017)                                                                                           | FBC       |
| 1                                                             | 04/22/15 | UPDATE TO 5TH ED. (2014)                                                                                           | FBC       |
| NO.                                                           | DATE     |                                                                                                                    | BY        |
|                                                               |          |                                                                                                                    | REVISIONS |
| DATE: 02/16/12                                                |          |                                                                                                                    |           |
| SCALE: N.T.S.                                                 |          |                                                                                                                    |           |
| DWG. BY: JK                                                   |          |                                                                                                                    |           |
| CHK. BY: LFS                                                  |          |                                                                                                                    |           |
| DRAWING NO.: FL-15213.20                                      |          |                                                                                                                    |           |
| SHEET 9 OF 9                                                  |          |                                                                                                                    |           |