

plastpro

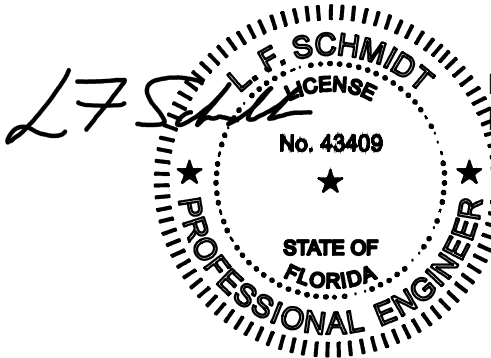
5200 W. CENTURY BLVD.  
LOS ANGELES, CA 90045

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".

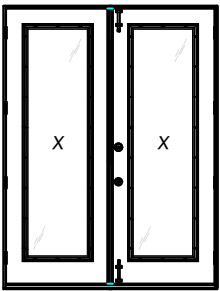
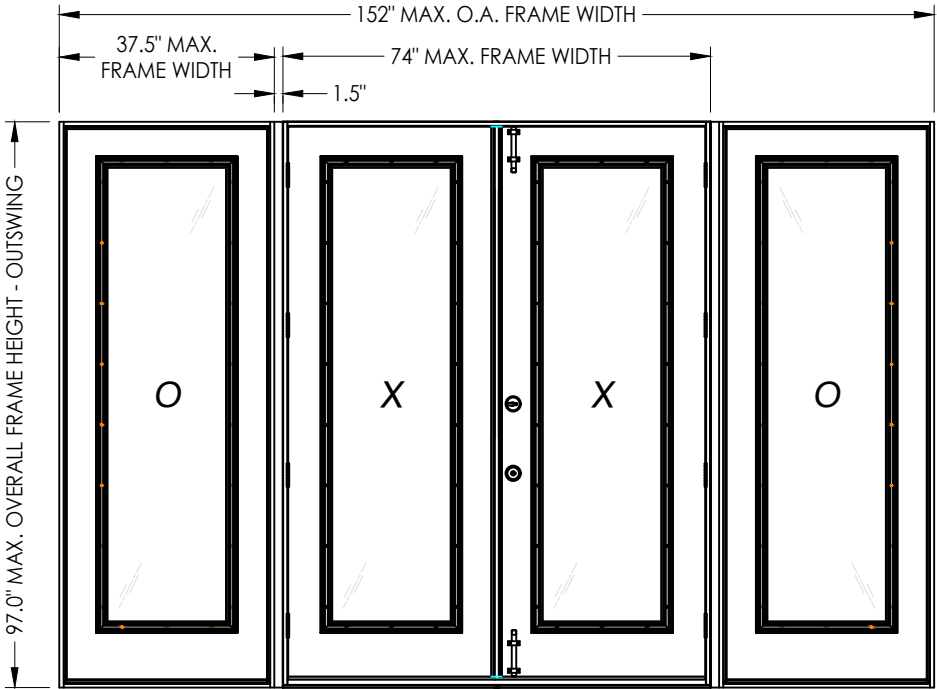
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Digitally signed by Lyndon F Schmidt  
Date: 2023.08.22 08:38:42 -04'00'

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



XX

| CONFIGURATION | MAX. FRAME DIMENSION | DESIGN PRESSURE (PSF)<br>w/ SURFACE BOLTS |       |           |       | DESIGN PRESSURE (PSF)<br>w/out SURFACE BOLTS |       |           |       |
|---------------|----------------------|-------------------------------------------|-------|-----------|-------|----------------------------------------------|-------|-----------|-------|
|               |                      | POLY FIBER JAMB                           |       | WOOD JAMB |       | POLY FIBER JAMB                              |       | WOOD JAMB |       |
|               |                      | POS.                                      | NEG.  | POS.      | NEG.  | POS.                                         | NEG.  | POS.      | NEG.  |
| XX            | 74.0" x 97.0"        | +65.0                                     | -65.0 | +50.0     | -50.0 | +50.0                                        | -50.0 | +50.0     | -50.0 |
| OXO           | 152.0" x 97.0"       | +65.0                                     | -65.0 | +50.0     | -50.0 | +50.0                                        | -50.0 | +50.0     | -50.0 |

See Sheets 2 & 13 for hardware & astragal design pressure limitations

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

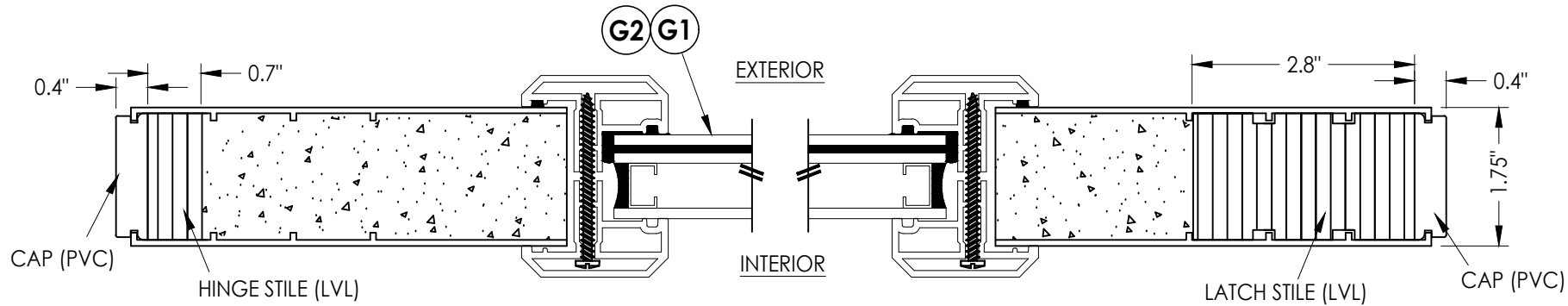
RW

PRODUCT: PLASTPRO INC. FIBERGLASS DOOR  
PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

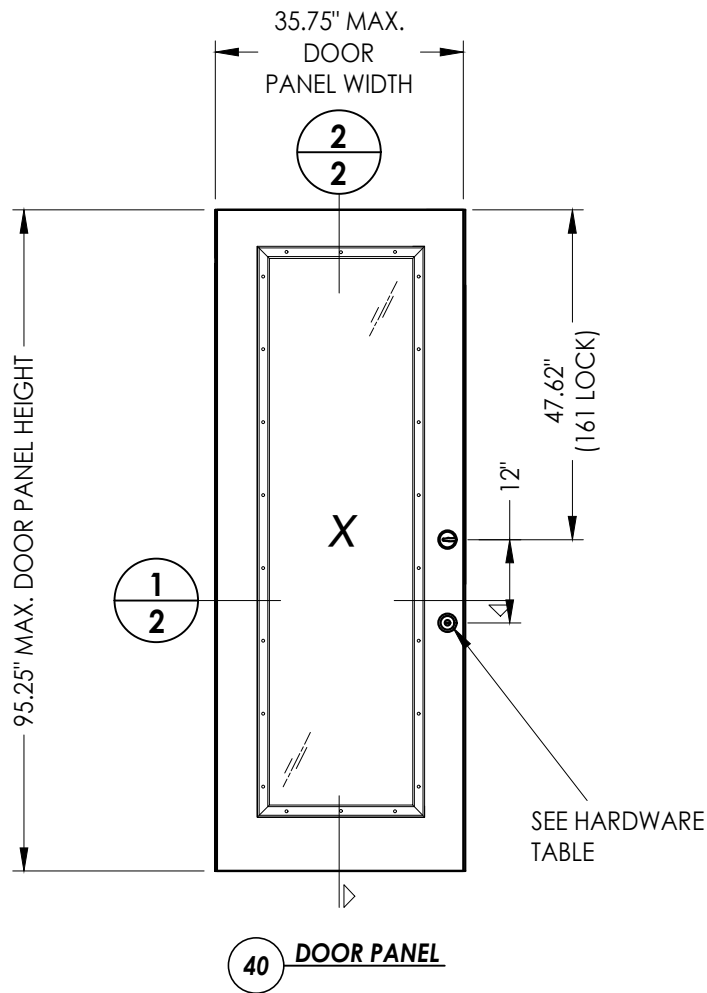
| LFS       | FBC     | FBC                      | ASTRAGAL | JK | JK | BY |
|-----------|---------|--------------------------|----------|----|----|----|
|           |         |                          |          |    |    |    |
| 4         | 8/17/23 | UPDATE TO 8TH ED. (2023) | FBC      |    |    |    |
| 3         | 7/29/20 | UPDATE TO 7TH ED (2020)  | FBC      |    |    |    |
|           |         | REVISE ENDURA ULT.       | ASTRAGAL |    |    |    |
| 2         | 7/24/17 | UPDATE TO 6TH ED. (2017) | FBC      |    |    |    |
| 1         | 3/9/15  | UPDATE TO 5TH ED. (2014) | FBC      |    |    |    |
|           | NO.     | DATE                     |          |    |    |    |
| REVISIONS |         |                          |          |    |    |    |

DATE: 6/20/12  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-15210.9  
SHEET 1 OF 14

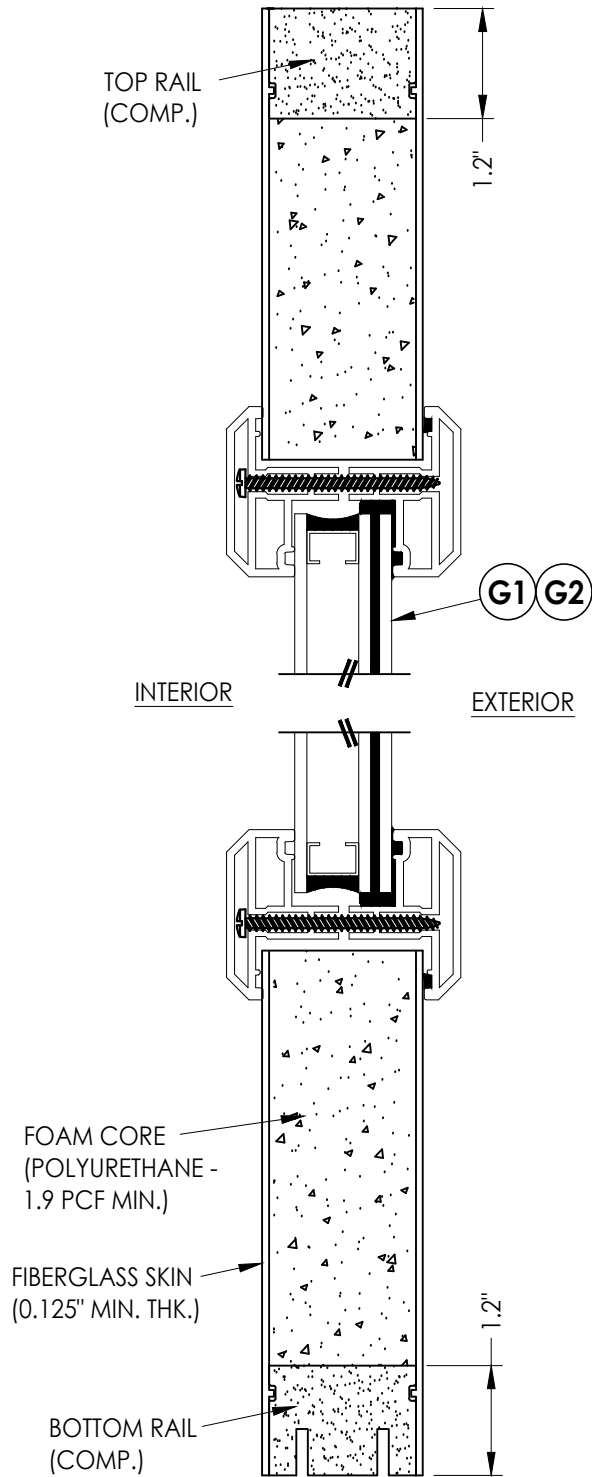
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1  
2 **HORIZONTAL CROSS SECTION**



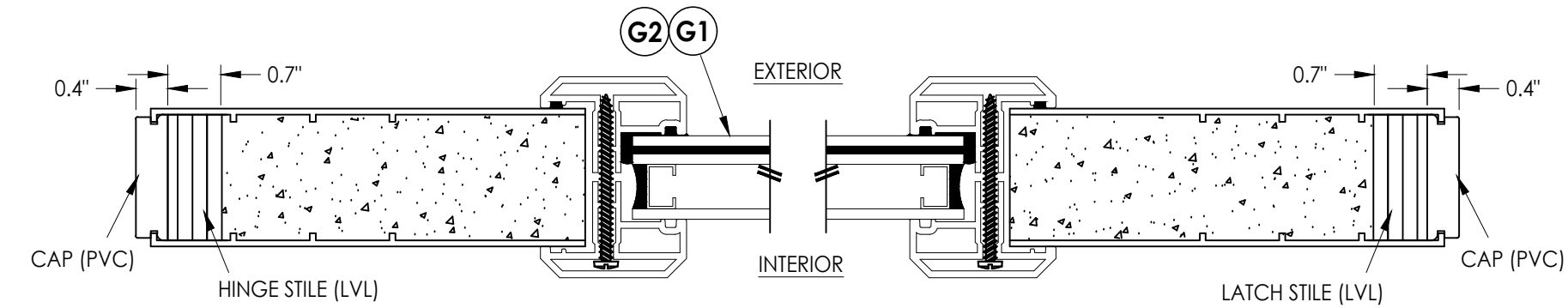
| HARDWARE TABLE |                             |                         |                            |
|----------------|-----------------------------|-------------------------|----------------------------|
| MANUFACTURER   | MODEL                       |                         | MAX. DESIGN PRESSURE (PSF) |
| KWIKSET        | Knob:                       | SIGNATURE SERIES        | $\pm 65$                   |
|                | DEADBOLT:                   | SIGNATURE SERIES (980)  |                            |
| SCHLAGE        | Knob:                       | "F" SERIES (F51)        | $\pm 65$                   |
|                | DEADBOLT:                   | "B" SERIES (B60/62)     |                            |
| BALDWIN        | HANDLESET/LEVER & DEADBOLT: | "PRESTIGE" SERIES (180) | $\pm 47$                   |



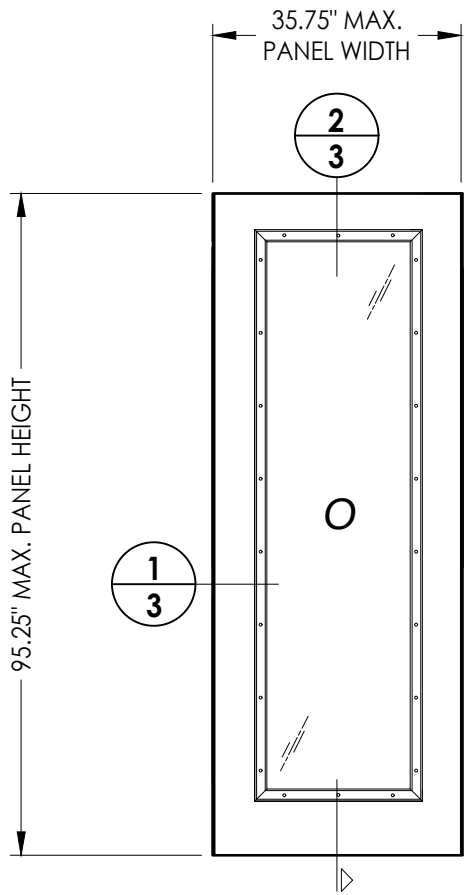
2  
2 **VERTICAL CROSS SECTION**

|                                                               |         |                               |     |                                                                                                                    |  |  |  |
|---------------------------------------------------------------|---------|-------------------------------|-----|--------------------------------------------------------------------------------------------------------------------|--|--|--|
| 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 INC.<br>FIBERGLASS DOOR                  |         |                               |     | PART OR ASSEMBLY:<br>DOOR PANEL DETAILS                                                                            |  |  |  |
|                                                               |         |                               |     |                                                                                                                    |  |  |  |
| 4                                                             | 8/17/23 | UPDATE TO 8TH ED. (2023)      | FBC | LFS                                                                                                                |  |  |  |
| 3                                                             | 7/29/20 | UPDATE TO 7TH ED (2020)       | FBC | LFS                                                                                                                |  |  |  |
|                                                               |         | & REVISE ENDURA ULT. ASTRAGAL |     |                                                                                                                    |  |  |  |
| 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: 6/20/12                                                 |         |                               |     |                                                                                                                    |  |  |  |
| SCALE: N.T.S.                                                 |         |                               |     |                                                                                                                    |  |  |  |
| DWG. BY: JK                                                   |         |                               |     |                                                                                                                    |  |  |  |
| CHK. BY: LFS                                                  |         |                               |     |                                                                                                                    |  |  |  |
| DRAWING NO.: FL-15210.9                                       |         |                               |     |                                                                                                                    |  |  |  |
| SHEET 2 OF 14                                                 |         |                               |     |                                                                                                                    |  |  |  |

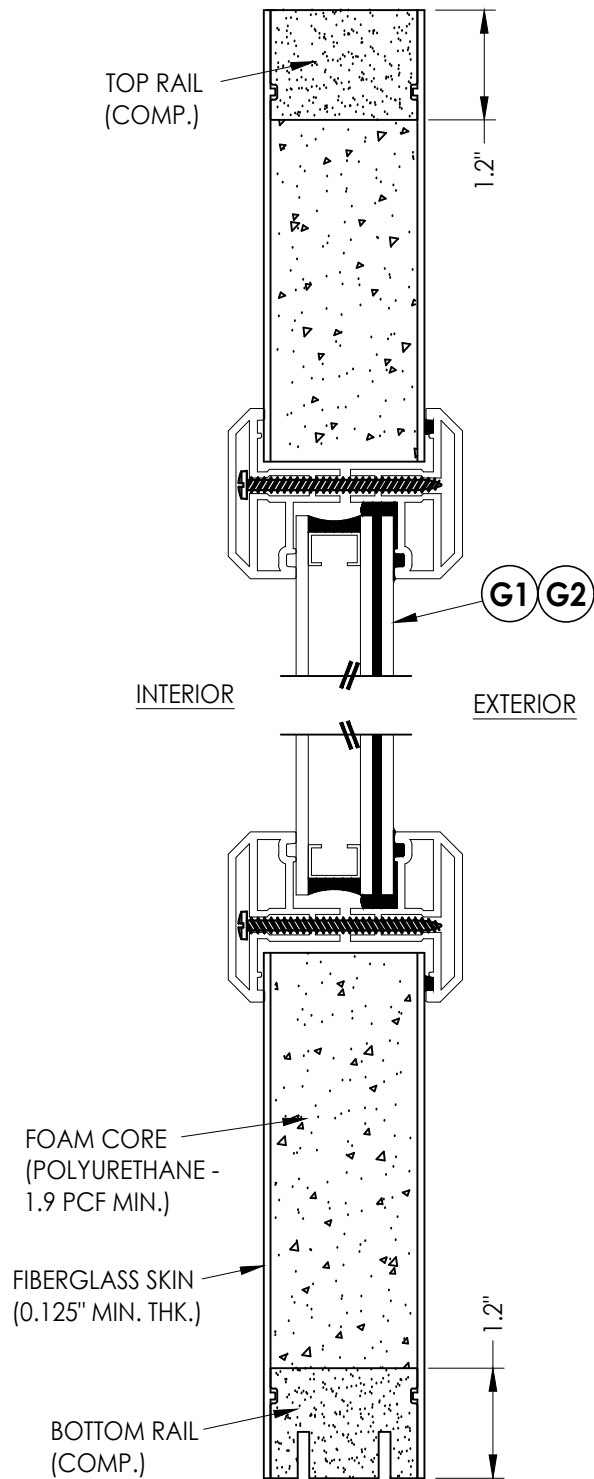
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1  
3 HORIZONTAL CROSS SECTION



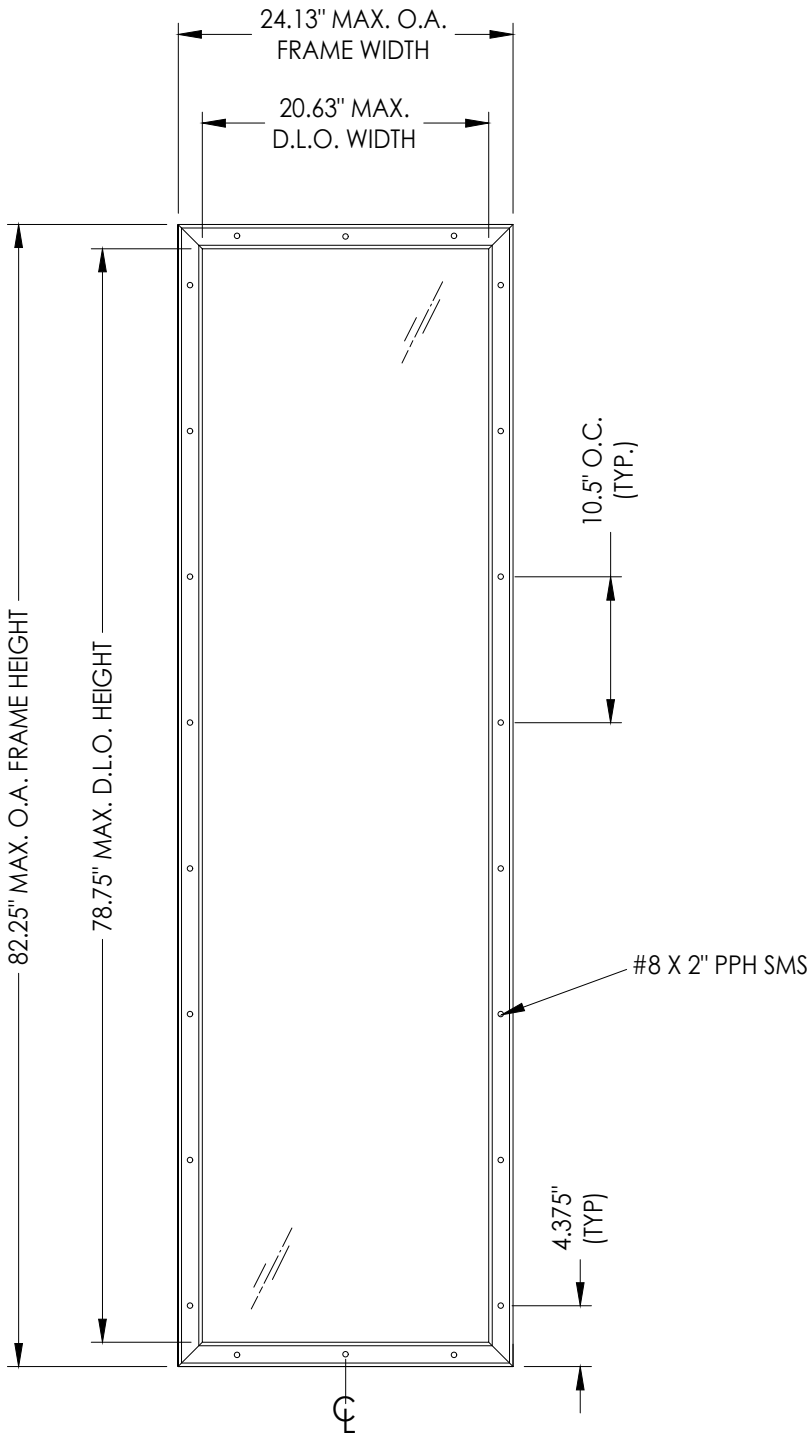
50 SIDELITE PANEL



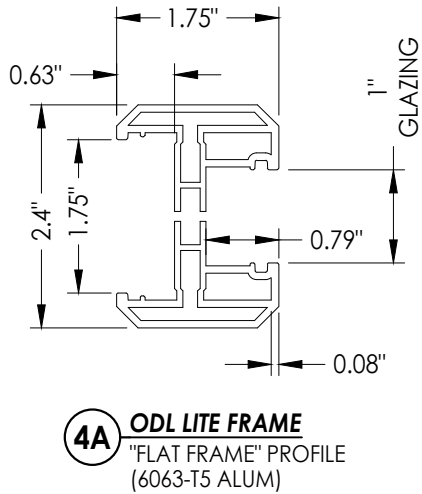
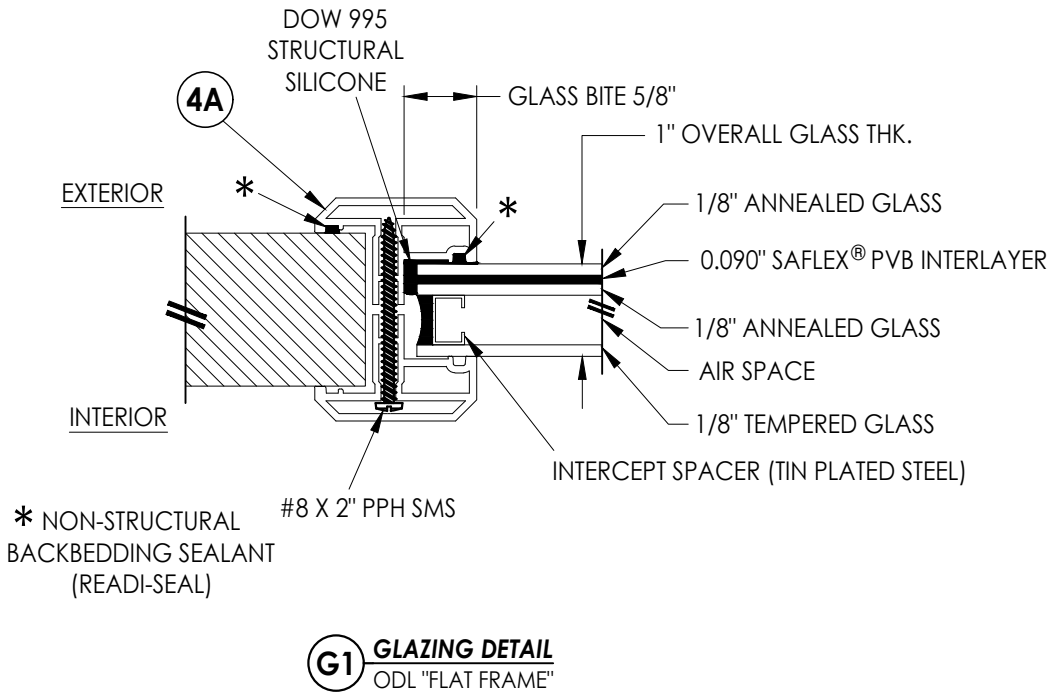
2  
3 VERTICAL CROSS SECTION

|                                                               |         |                               |     |  |                                                                                                                    |  |  |     |  |
|---------------------------------------------------------------|---------|-------------------------------|-----|--|--------------------------------------------------------------------------------------------------------------------|--|--|-----|--|
| 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 INC.<br>FIBERGLASS DOOR                  |         |                               |     |  | PART OR ASSEMBLY:<br>SIDELITE PANEL DETAILS                                                                        |  |  |     |  |
|                                                               |         |                               |     |  |                                                                                                                    |  |  |     |  |
| 4                                                             | 8/17/23 | UPDATE TO 8TH ED. (2023)      | FBC |  |                                                                                                                    |  |  | LFS |  |
| 3                                                             | 7/29/20 | UPDATE TO 7TH ED (2020)       | FBC |  |                                                                                                                    |  |  | LFS |  |
|                                                               |         | & REVISE ENDURA ULT. ASTRAGAL |     |  |                                                                                                                    |  |  |     |  |
| 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: 6/20/12                                                 |         |                               |     |  |                                                                                                                    |  |  |     |  |
| SCALE: N.T.S.                                                 |         |                               |     |  |                                                                                                                    |  |  |     |  |
| DWG. BY: JK                                                   |         |                               |     |  |                                                                                                                    |  |  |     |  |
| CHK. BY: LFS                                                  |         |                               |     |  |                                                                                                                    |  |  |     |  |
| DRAWING NO.: FL-15210.9                                       |         |                               |     |  |                                                                                                                    |  |  |     |  |
| SHEET 3 OF 14                                                 |         |                               |     |  |                                                                                                                    |  |  |     |  |

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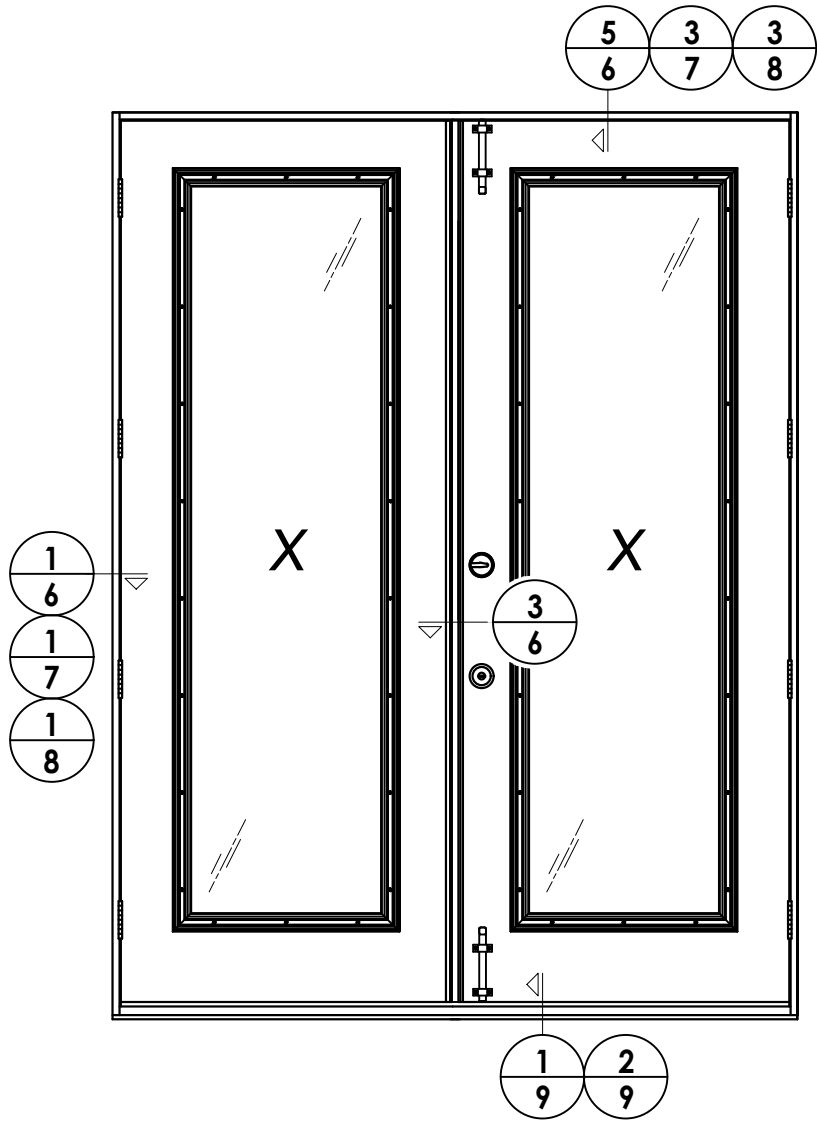


ODL LITE FRAME

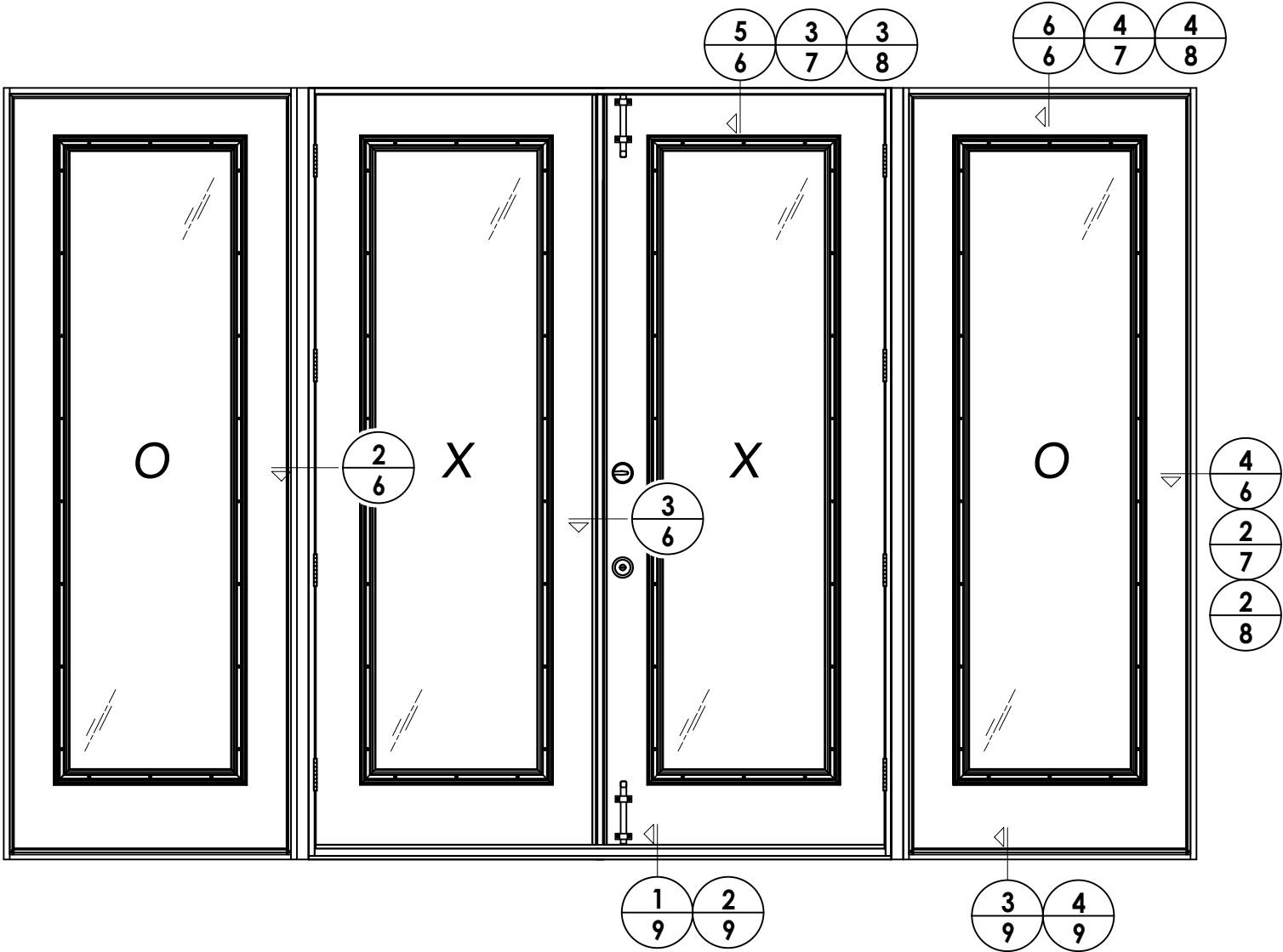


|                            |  |          |  |                               |     |     |                                                                |                                                               |                                                                                                                    |
|----------------------------|--|----------|--|-------------------------------|-----|-----|----------------------------------------------------------------|---------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| DATE: 6/20/12              |  | 8/17/23  |  | UPDATE TO 8TH ED. (2023)      | FBC | LFS | PRODUCT:<br>PLASTPRO INC.<br>FIBERGLASS DOOR                   | Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409 |                                                                                                                    |
|                            |  | 7/29/20  |  | UPDATE TO 7TH ED (2020)       | FBC | LFS |                                                                |                                                               |                                                                                                                    |
|                            |  |          |  | & REVISE ENDURA ULT. ASTRAGAL |     |     |                                                                |                                                               |                                                                                                                    |
|                            |  | 7/24/17  |  | UPDATE TO 6TH ED. (2017)      | FBC | JK  |                                                                |                                                               |                                                                                                                    |
|                            |  | 1 3/9/15 |  | UPDATE TO 5TH ED. (2014)      | FBC | JK  |                                                                |                                                               |                                                                                                                    |
| NO. DATE                   |  |          |  |                               |     | BY  | PART OR ASSEMBLY:<br>LITE FRAME DETAILS<br>AND GLAZING DETAILS |                                                               | BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |
| REVISIONS                  |  |          |  |                               |     |     |                                                                |                                                               |                                                                                                                    |
| SCALE: N.T.S.              |  |          |  |                               |     |     |                                                                |                                                               |                                                                                                                    |
| DWG. BY: JK                |  |          |  |                               |     |     |                                                                |                                                               |                                                                                                                    |
| CHK. BY: LFS               |  |          |  |                               |     |     |                                                                |                                                               |                                                                                                                    |
| DRAWING NO.:<br>FL-15210.9 |  |          |  |                               |     |     |                                                                |                                                               |                                                                                                                    |
| SHEET 4 OF 14              |  |          |  |                               |     |     |                                                                |                                                               |                                                                                                                    |

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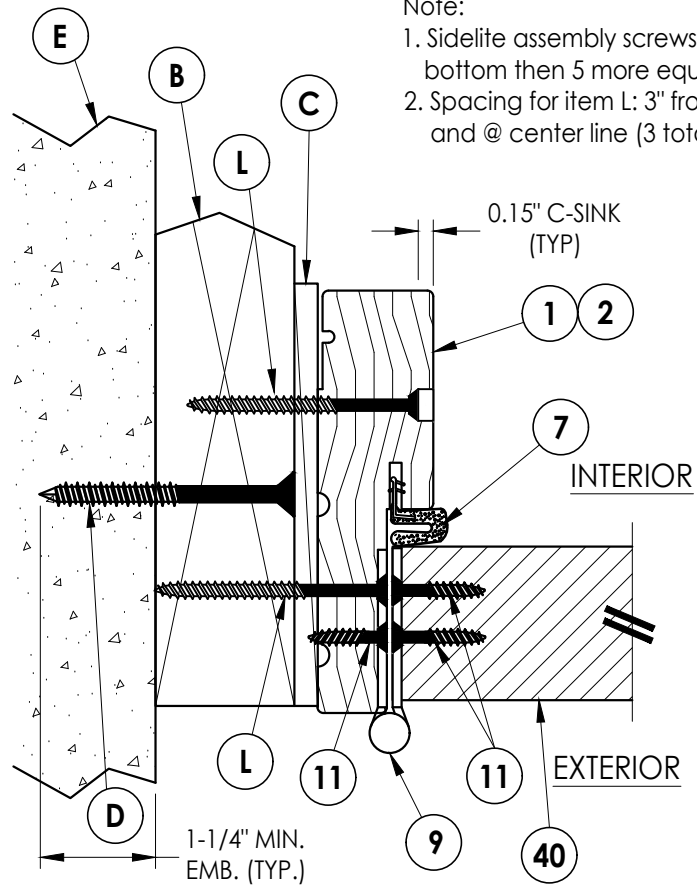
ELEVATION (XX)



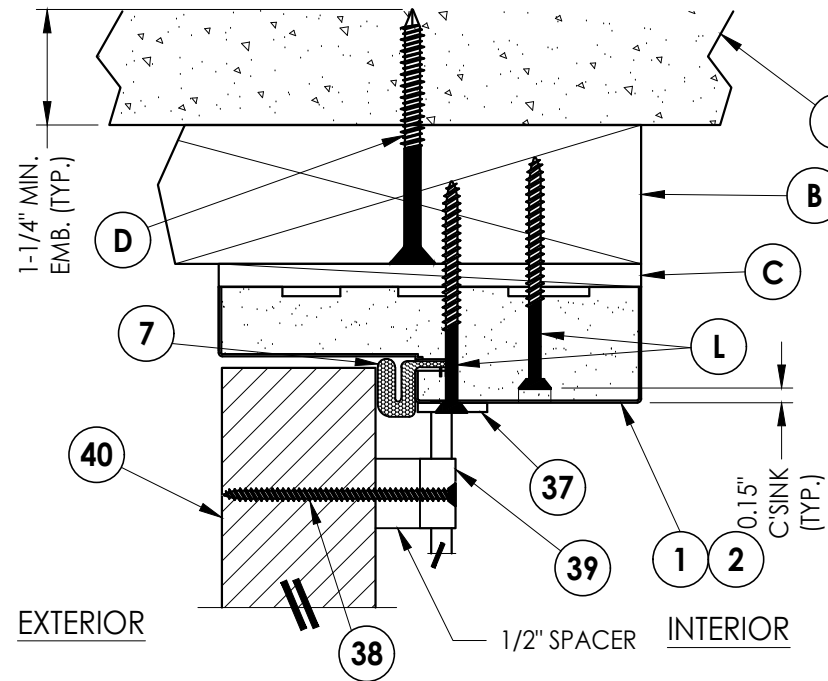
ELEVATION (OXXO)

|                                                               |         |                               |     |                                                                                                                    |  |  |  |
|---------------------------------------------------------------|---------|-------------------------------|-----|--------------------------------------------------------------------------------------------------------------------|--|--|--|
| 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>ELEVATIONS                                                                                |  |  |  |
|                                                               |         |                               |     |                                                                                                                    |  |  |  |
| 4                                                             | 8/17/23 | UPDATE TO 8TH ED. (2023)      | FBC | LFS                                                                                                                |  |  |  |
| 3                                                             | 7/29/20 | UPDATE TO 7TH ED (2020)       | FBC | LFS                                                                                                                |  |  |  |
|                                                               |         | & REVISE ENDURA ULT. ASTRAGAL |     |                                                                                                                    |  |  |  |
| 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: 6/20/12                                                 |         |                               |     |                                                                                                                    |  |  |  |
| SCALE: N.T.S.                                                 |         |                               |     |                                                                                                                    |  |  |  |
| DWG. BY: JK                                                   |         |                               |     |                                                                                                                    |  |  |  |
| CHK. BY: LFS                                                  |         |                               |     |                                                                                                                    |  |  |  |
| DRAWING NO.: FL-15210.9                                       |         |                               |     |                                                                                                                    |  |  |  |
| SHEET 5 OF 14                                                 |         |                               |     |                                                                                                                    |  |  |  |

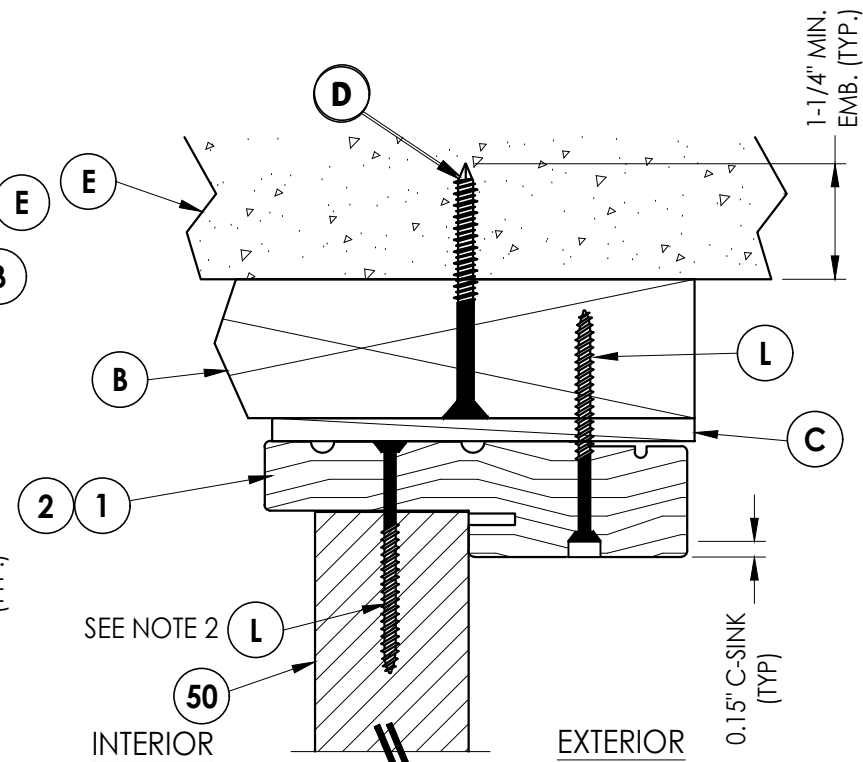
1. Sidelite assembly screws located 6" from top and bottom then 5 more equally spaced (7 total).
2. Spacing for item L: 3" from each end and @ center line (3 total).



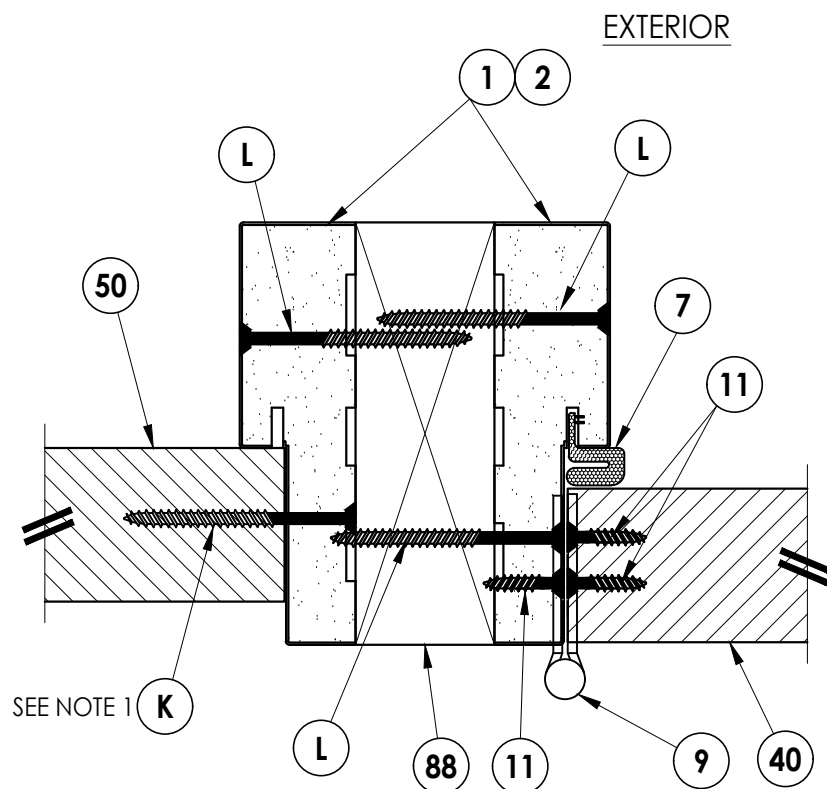
**1** **HORIZONTAL CROSS SECTION**  
**6**



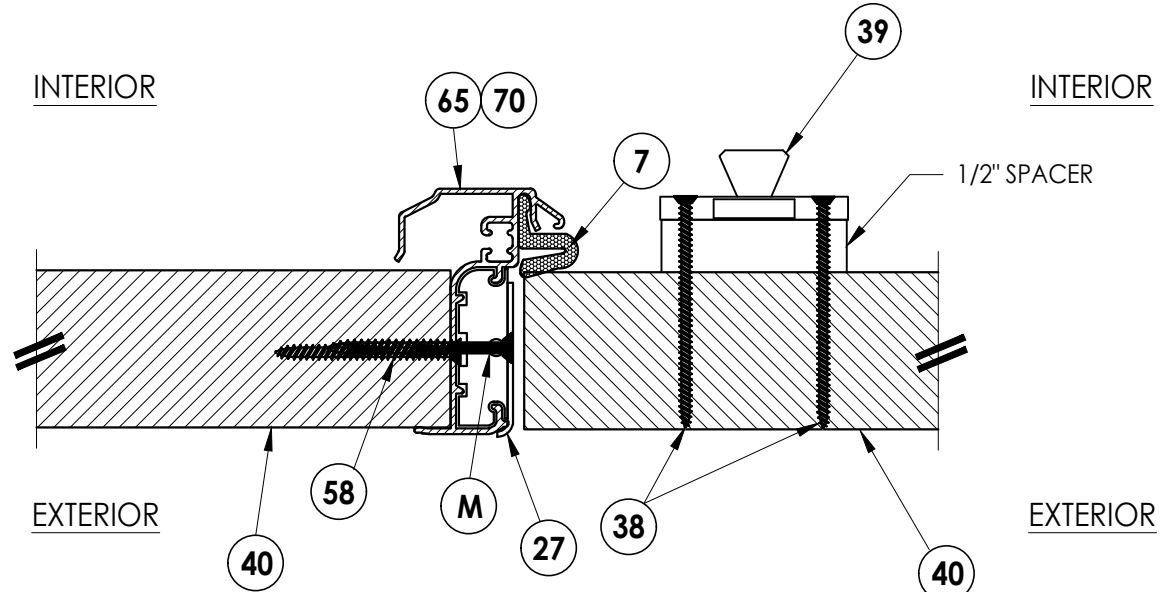
**5 VERTICAL CROSS SECTION**



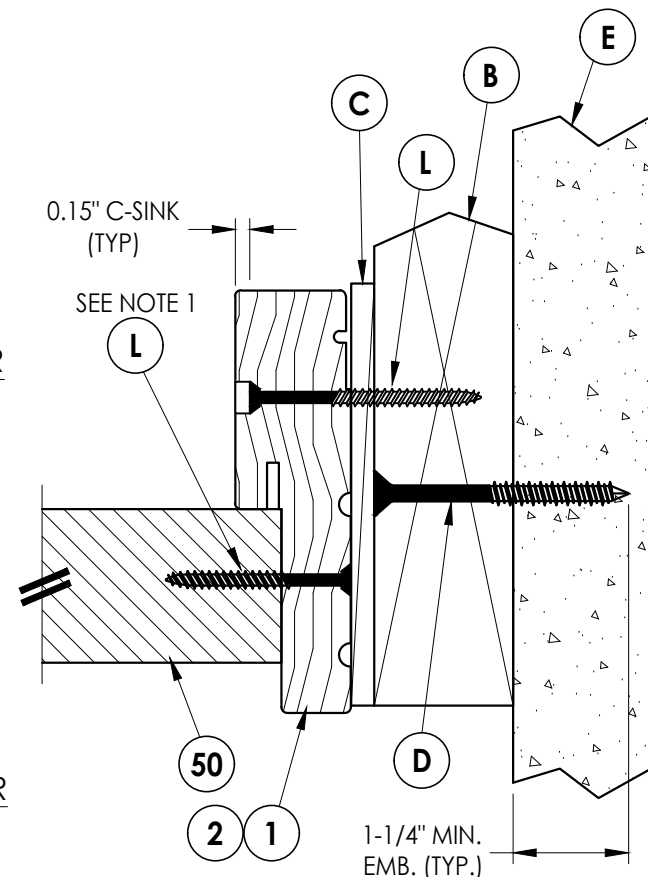
**6** **VERTICAL CROSS SECTION**



**2** **HORIZONTAL CROSS SECTION**  
**6**



**3** **HORIZONTAL CROSS SECTION**  
**6**



#### 4 HORIZONTAL CROSS SECTION

6 Outswing shown (Inswing similar)

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

PRODUCT: PLASTPRO INC.  
FIBERGLASS DOOR

**Building Consultants, Inc.**  
P.O. Box 230 Valrico, FL 33486

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

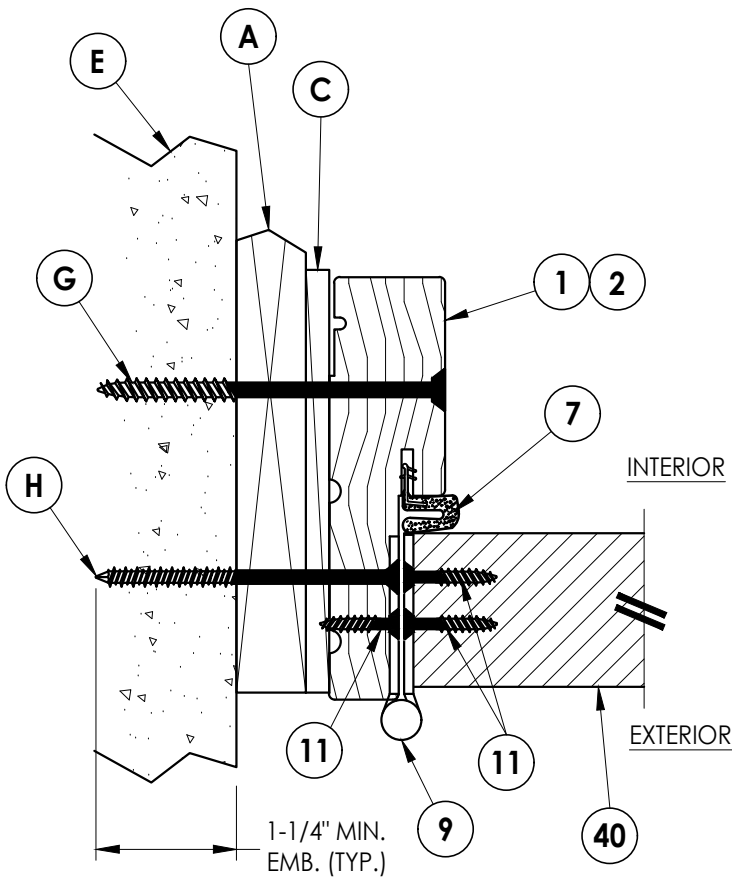
**PART OR ASSEMBLY:**  
**HORIZONTAL & VERTICAL  
CROSS SECTIONS (2X BUCK)**

|           |         |                          |     |     |
|-----------|---------|--------------------------|-----|-----|
| 4         | 8/17/23 | UPDATE TO 8TH ED. (2023) | FBC | LFS |
| 3         | 7/29/20 | 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 |         |                          |     |     |

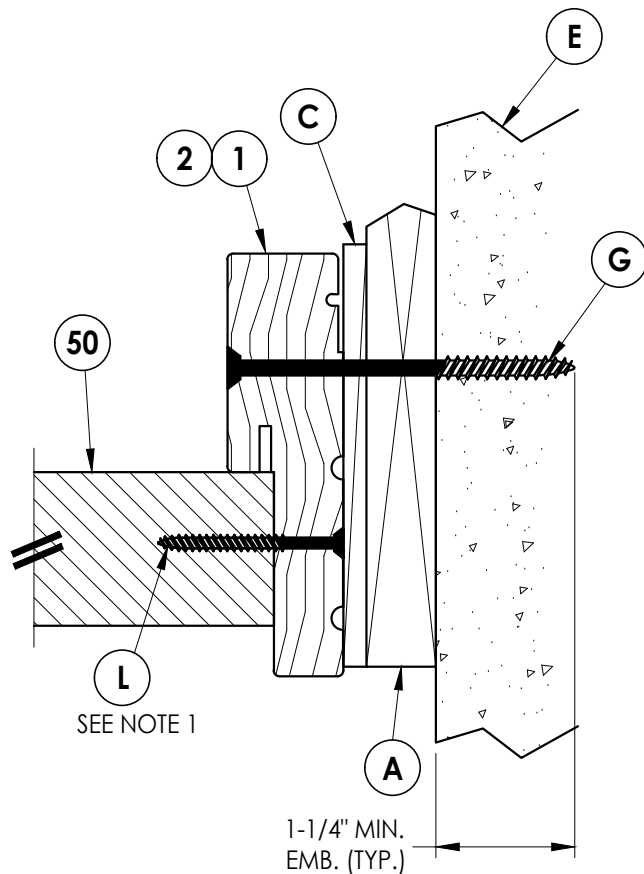
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|--------------|------------|
| DATE:        | 6/20/12    |
| SCALE:       | N.T.S.     |
| DWG. BY:     | JK         |
| CHK. BY:     | LFS        |
| DRAWING NO.: | FL-15210.9 |
| SHEET        | 6 OF 14    |

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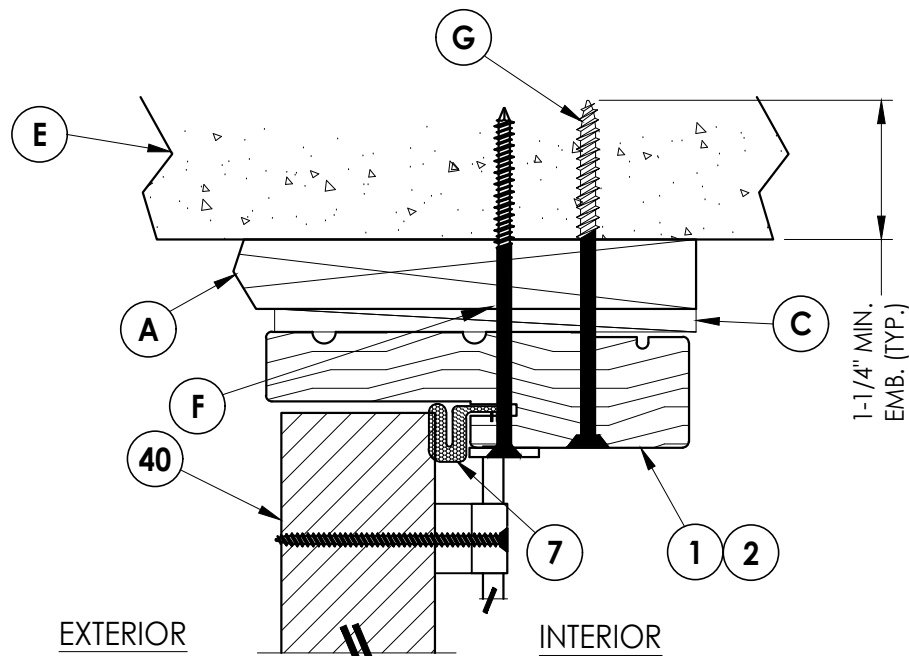
- Note:
- Sidelite assembly screws located 6" from top and bottom then 5 more equally spaced (7 total).
  - Spacing for item L: 3" from each end and @ center line (3 total).



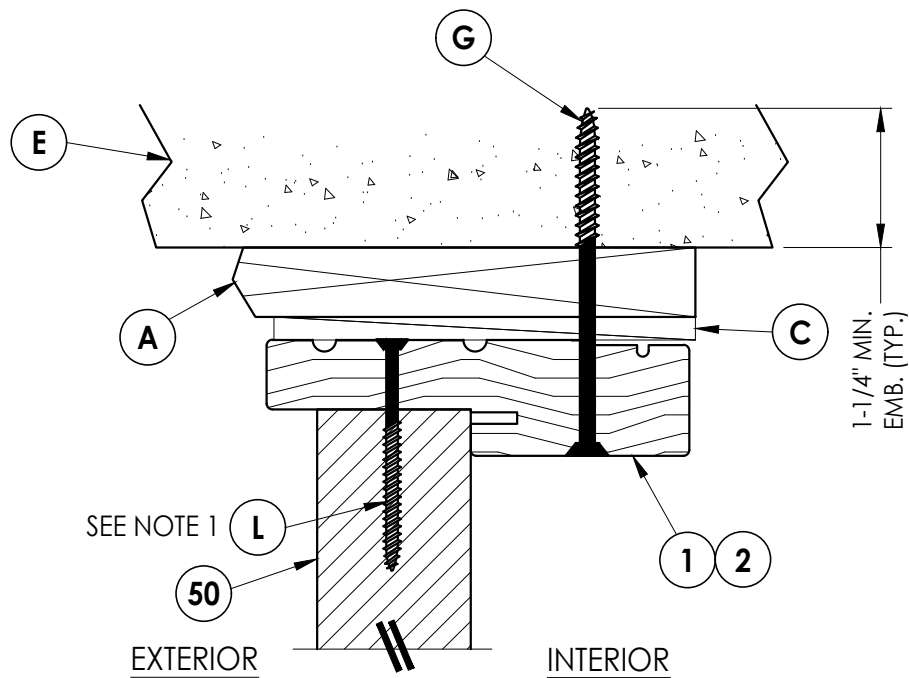
**1**  
**7** **HORIZONTAL CROSS SECTION**  
Shown w/ 1X sub-buck  
Outswing shown (Inswing similar)



**2**  
**7** **HORIZONTAL CROSS SECTION**  
Shown w/ 1X sub-buck  
Outswing shown (Inswing similar)



**3**  
**7** **VERTICAL CROSS SECTION**  
Shown w/ 1X sub-buck  
Outswing shown (Inswing similar)



**4**  
**7** **VERTICAL CROSS SECTION**  
Shown w/ 1X sub-buck  
Outswing shown (Inswing similar)

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 & VERTICAL  
CROSS SECTIONS (1X BUCK)

| NO. | DATE    | REVISIONS                     | BY  | JK | JK | BY |
|-----|---------|-------------------------------|-----|----|----|----|
| 4   | 8/17/23 | UPDATE TO 8TH ED. (2023) FBC  | LFS |    |    |    |
| 3   | 7/29/20 | UPDATE TO 7TH ED (2020) FBC   | LFS |    |    |    |
| 2   | 7/24/17 | & REVISE ENDURA ULT. ASTRAGAL |     |    |    |    |
| 1   | 3/9/15  | UPDATE TO 6TH ED. (2017) FBC  | JK  |    |    |    |
|     |         | UPDATE TO 5TH ED. (2014) FBC  | JK  |    |    |    |

DATE: 6/20/12

SCALE: N.T.S.

DWG. BY: JK

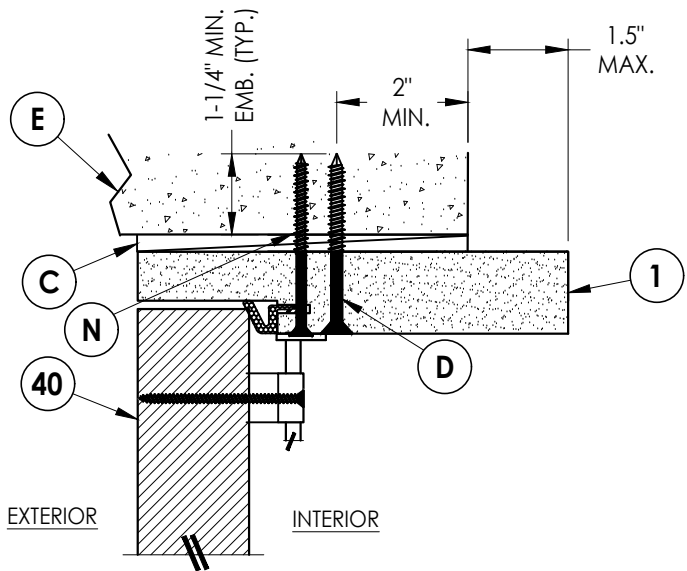
CHK. BY: LFS

DRAWING NO.:

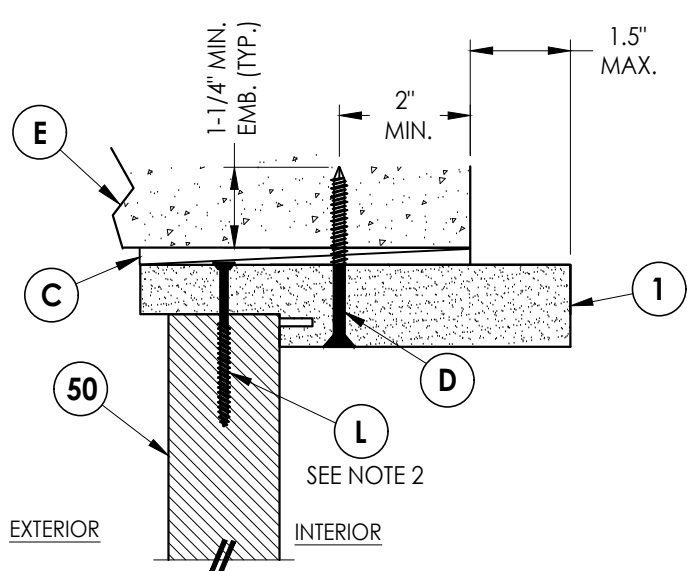
FL-15210.9

SHEET 7 OF 14

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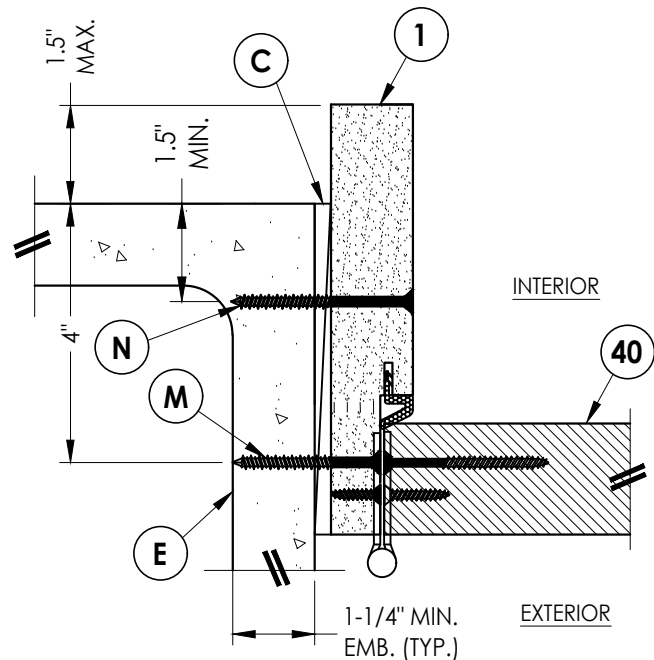
**3**  
**8** **VERTICAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 6-9/16" jamb



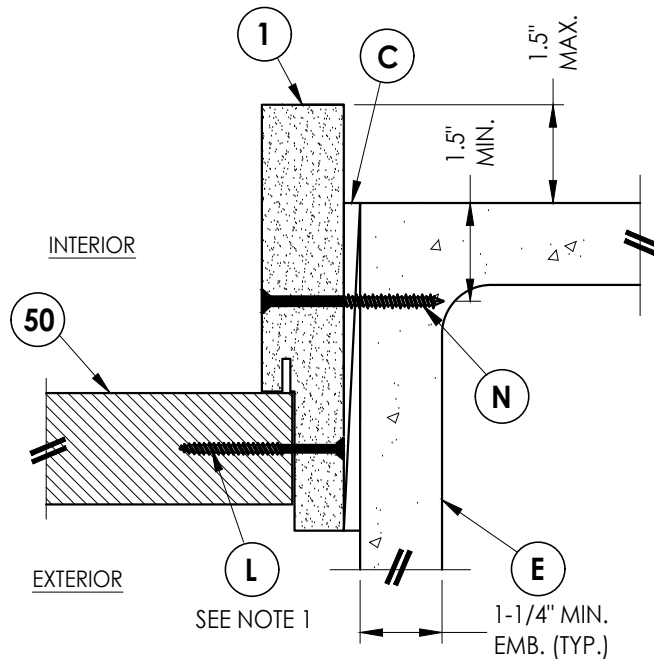
**4**  
**8** **VERTICAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 6-9/16" jamb

Note:

1. Sidelite assembly screws located 6" from top and bottom then 5 more equally spaced (7 total).
2. Spacing for item L: 3" from each end and @ center line (3 total).



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



**2**  
**8** **HORIZONTAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 6-9/16" 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: **PLASTPRO INC.**  
**FIBERGLASS DOOR**

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

| NO. | DATE    | REVISIONS                        |
|-----|---------|----------------------------------|
| 4   | 8/17/23 | UPDATE TO 8TH ED. (2023) FBC LFS |
| 3   | 7/29/20 | UPDATE TO 7TH ED (2020) FBC LFS  |
| 2   | 7/24/17 | & REVISE ENDURA ULT. ASTRAGAL JK |
| 1   | 3/9/15  | UPDATE TO 6TH ED. (2017) FBC JK  |
|     |         | UPDATE TO 5TH ED. (2014) FBC JK  |
|     |         | BY                               |

DATE: 6/20/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

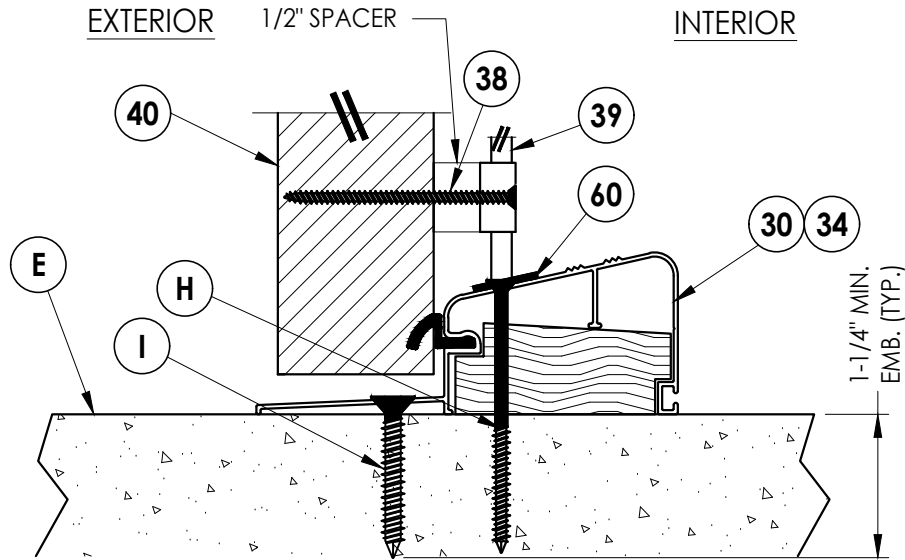
FL-15210.9

SHEET 8 OF 14

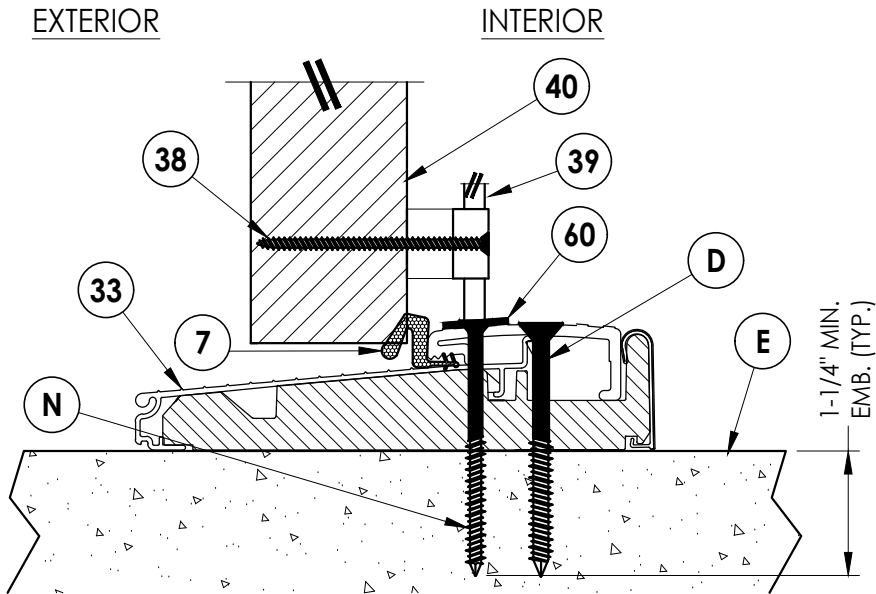
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NOTE

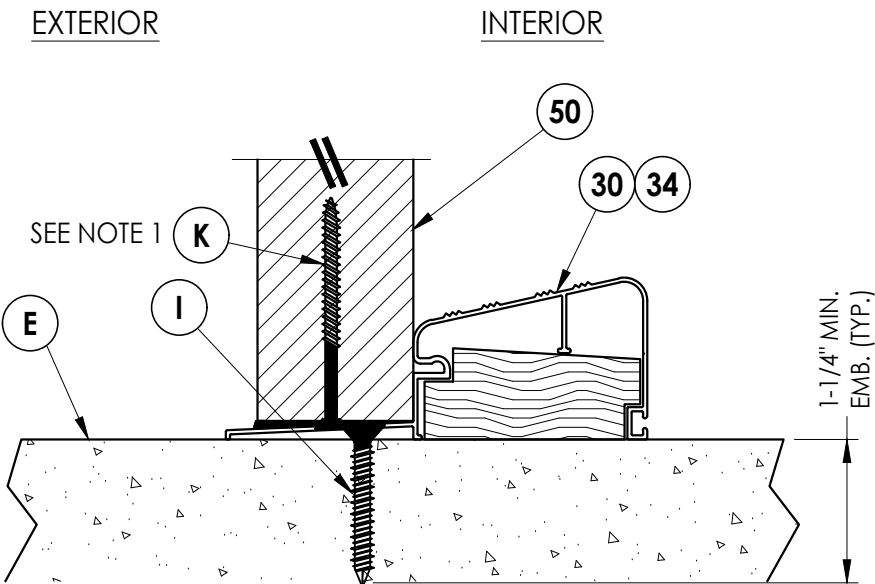
1. Spacing for item K:  
6" from each end  
and at centerline.



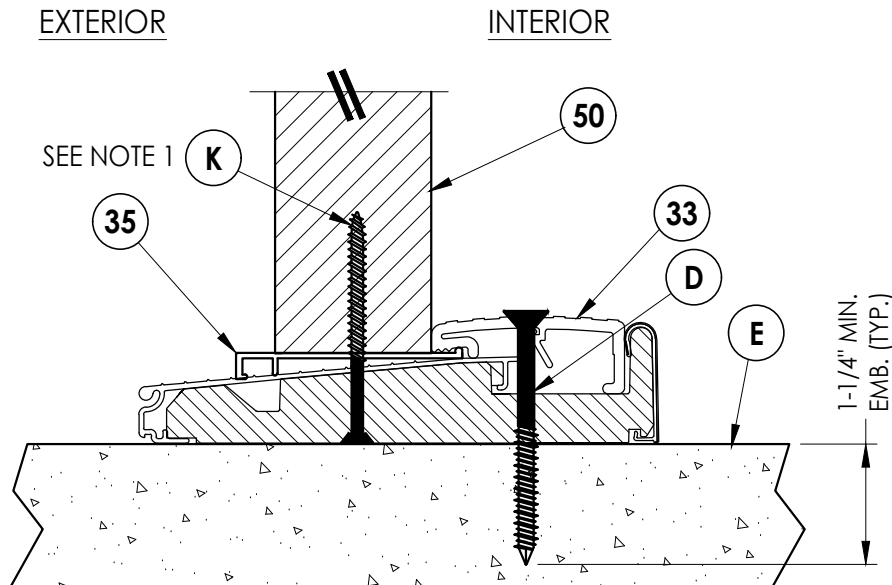
1  
9 VERTICAL CROSS SECTION



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

PRODUCT:  
PLASTPRO INC.  
FIBERGLASS DOOR

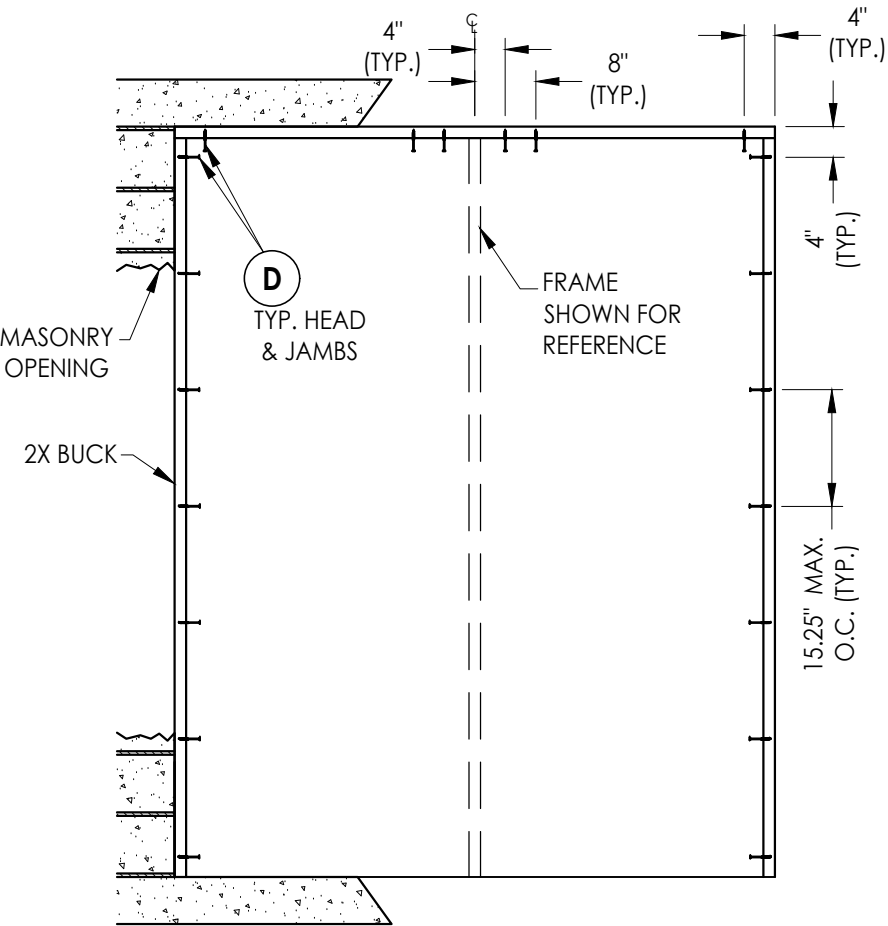
BUILDING CONSULTANTS, INC.  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

PART OR ASSEMBLY:  
VERTICAL CROSS SECTIONS  
(THRESHOLDS)

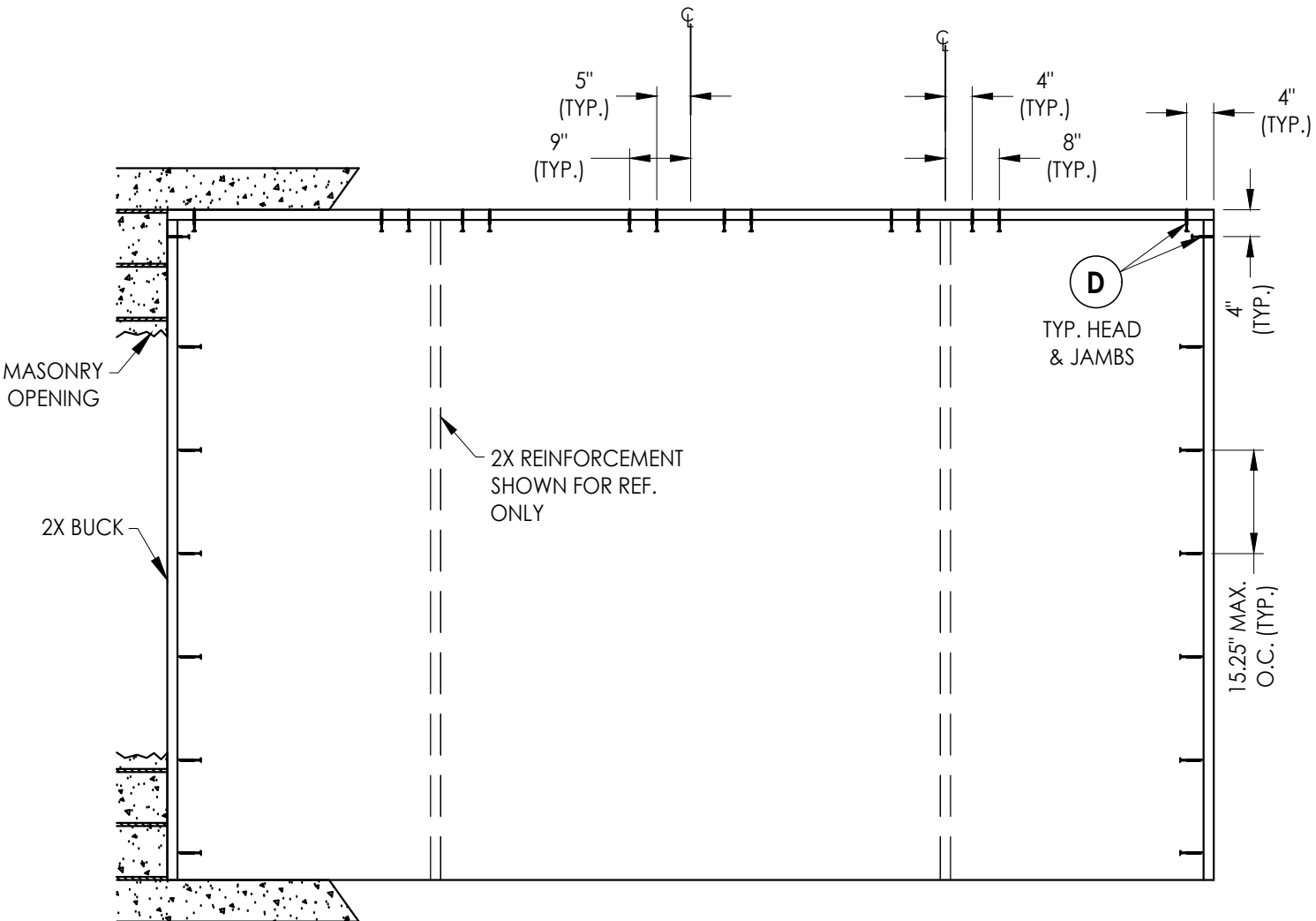
| NO. | DATE    | REVISIONS                     |     |    |
|-----|---------|-------------------------------|-----|----|
|     |         | JK                            | JK  | BY |
| 4   | 8/17/23 | UPDATE TO 8TH ED. (2023) FBC  | LFS |    |
| 3   | 7/29/20 | UPDATE TO 7TH ED (2020) FBC   | LFS |    |
| 2   | 7/24/17 | & REVISE ENDURA ULT. ASTRAGAL | JK  |    |
| 1   | 3/9/15  | UPDATE TO 6TH ED. (2017) FBC  | JK  |    |
|     |         | UPDATE TO 5TH ED. (2014) FBC  | JK  |    |

DATE: 6/20/12  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.:  
FL-15210.9  
SHEET 9 OF 14

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**BUCK ANCHORING**  
XX



**BUCK ANCHORING**  
OXXO

CONCRETE ANCHOR NOTES:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. 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.
3. 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:  
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P.E. No. 43409

**BUILDING CONSULTANTS, INC.**  
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Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT: PLASTPRO INC.  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
BUCK ANCHORING

| NO. | DATE    | REVISIONS                                                 |
|-----|---------|-----------------------------------------------------------|
| 4   | 8/17/23 | UPDATE TO 8TH ED. (2023) FBC                              |
| 3   | 7/29/20 | UPDATE TO 7TH ED (2020) FBC & REVISE ENDURA ULT. ASTRAGAL |
| 2   | 7/24/17 | UPDATE TO 6TH ED. (2017) FBC                              |
| 1   | 3/9/15  | UPDATE TO 5TH ED. (2014) FBC                              |
| NO. | DATE    | BY                                                        |

DATE: 6/20/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:  
FL-15210.9

SHEET 10 OF 14

Z:\2023 FBC Drawings\Plastpro\FL-15210 R10\FL-15210.9.dwg

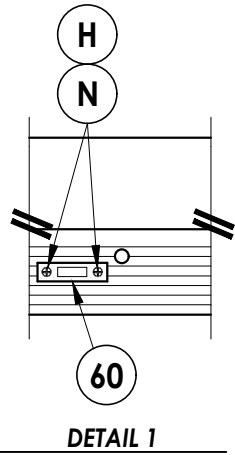
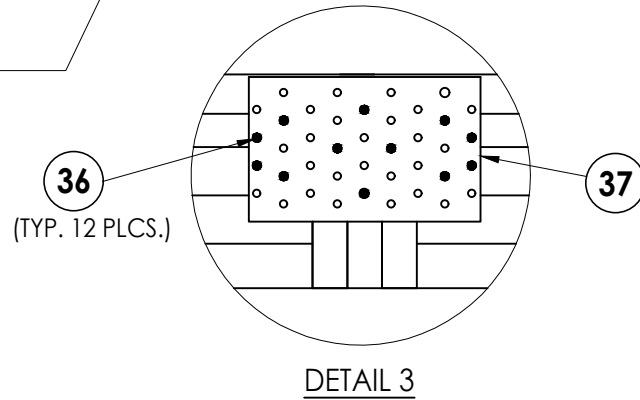
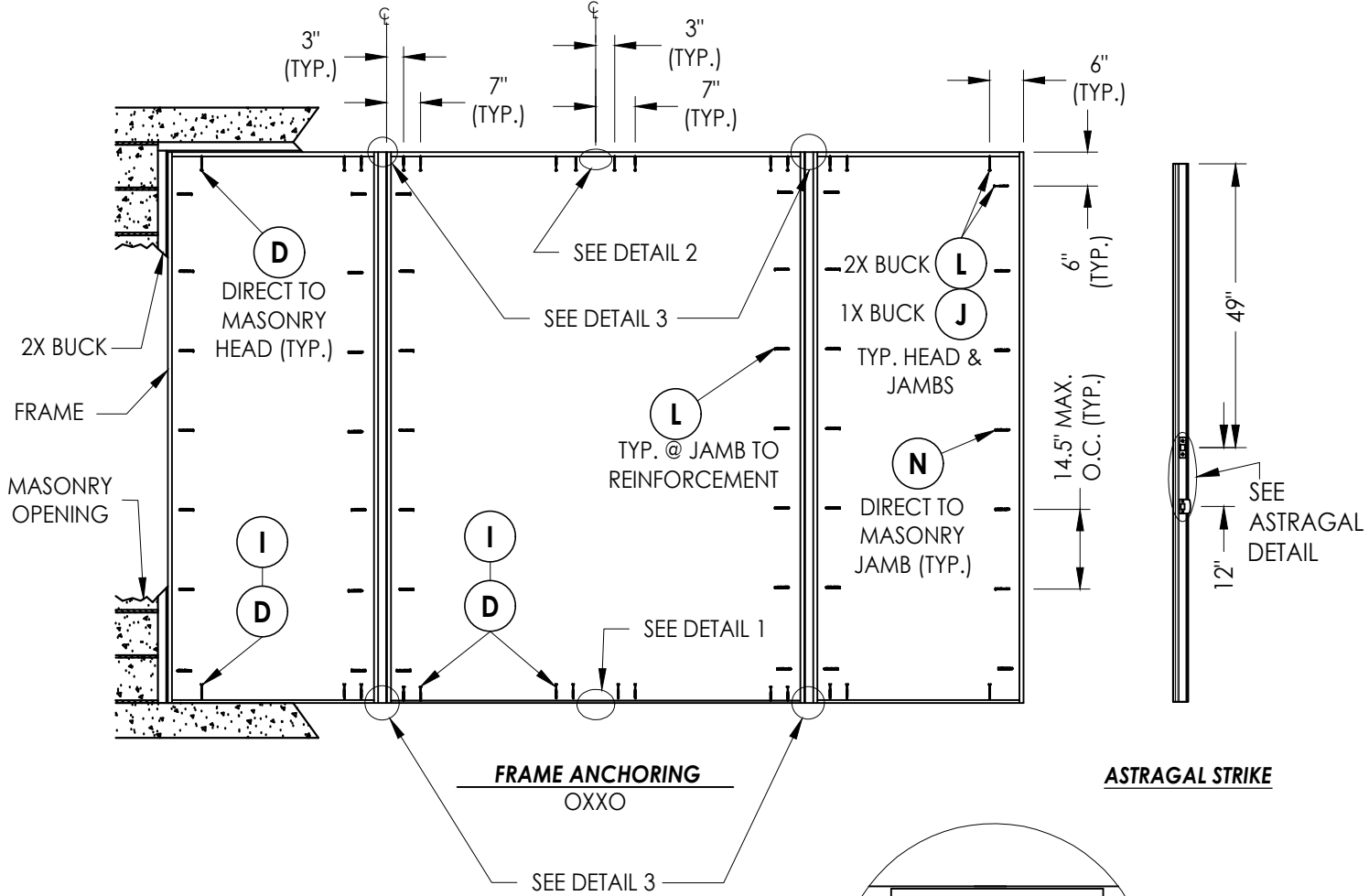
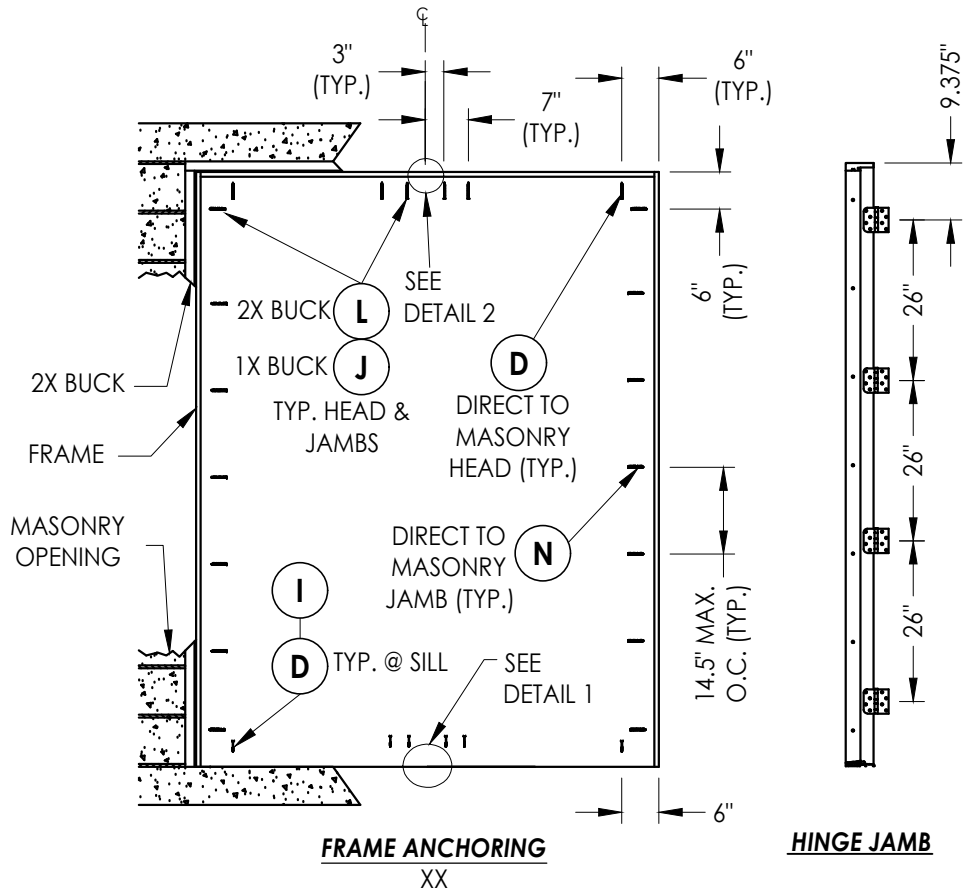
**CONCRETE ANCHOR NOTES:**

- 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:

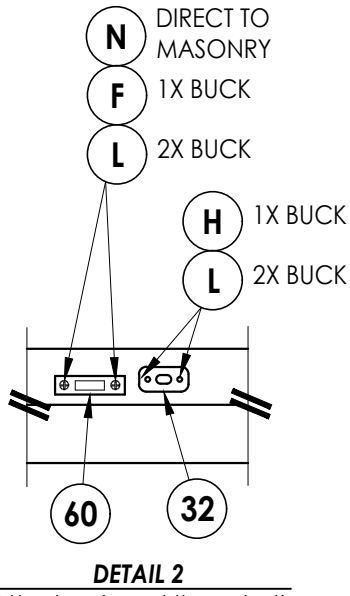
| ANCHOR TYPE      | ANCHOR SIZE | MIN. EMBEDMENT | MIN. CLEARANCE TO MASONRY EDGE | MIN. CLEARANCE TO ADJACENT ANCHOR |
|------------------|-------------|----------------|--------------------------------|-----------------------------------|
| ITW TAPCON®      | 1/4"        | 1-1/4"         | 2"    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

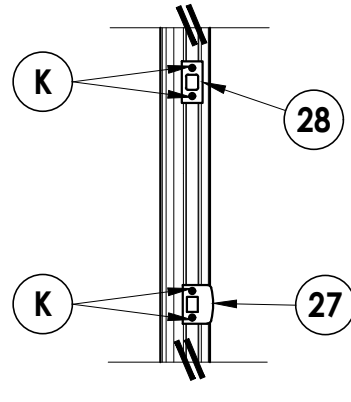
- Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



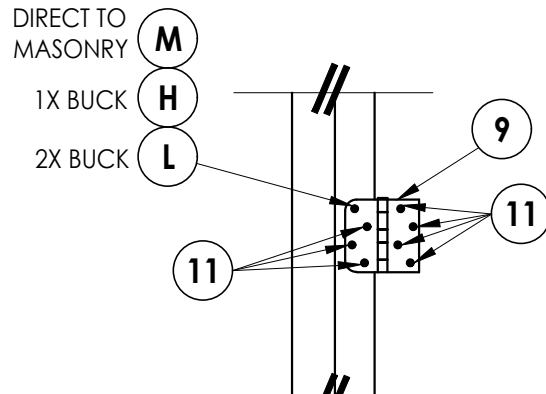
**DETAIL 1**  
Astragal throw bolts at the threshold



**DETAIL 2**  
Attach astragal throw bolt strike plate to frame as shown



**LATCH AND DEADBOLT STRIKE**  
Astragal



**HINGE DETAIL**  
Outswing

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

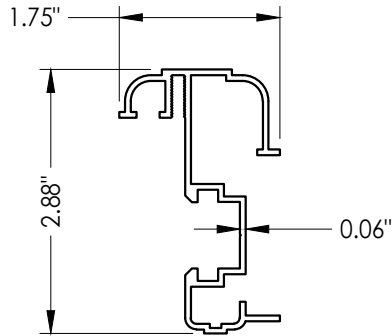
PRODUCT:  
PLASTPRO INC.  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
FRAME ANCHORING

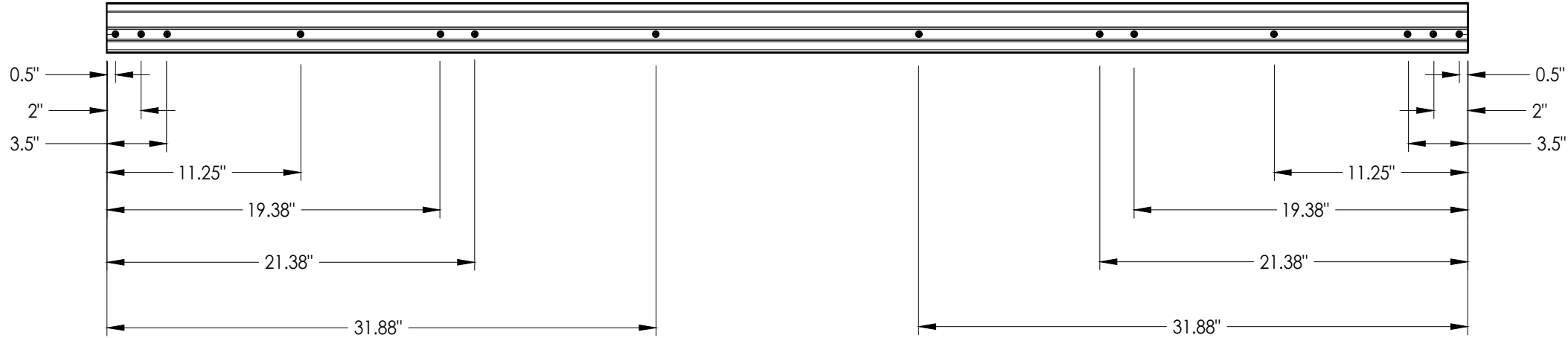
| NO. | DATE    | REVISIONS                                                  |
|-----|---------|------------------------------------------------------------|
| 4   | 8/17/23 | UPDATE TO 8TH ED. (2023) FBC                               |
| 3   | 7/29/20 | UPDATE TO 7TH ED. (2020) FBC & REVISE ENDURA ULT. ASTRAGAL |
| 2   | 7/24/17 | UPDATE TO 6TH ED. (2017) FBC                               |
| 1   | 3/9/15  | UPDATE TO 5TH ED. (2014) FBC                               |

DATE: 6/20/12  
SCALE: N.T.S.  
DWG. BY: JK  
CHK. BY: LFS  
DRAWING NO.: FL-15210.9  
SHEET 11 OF 14

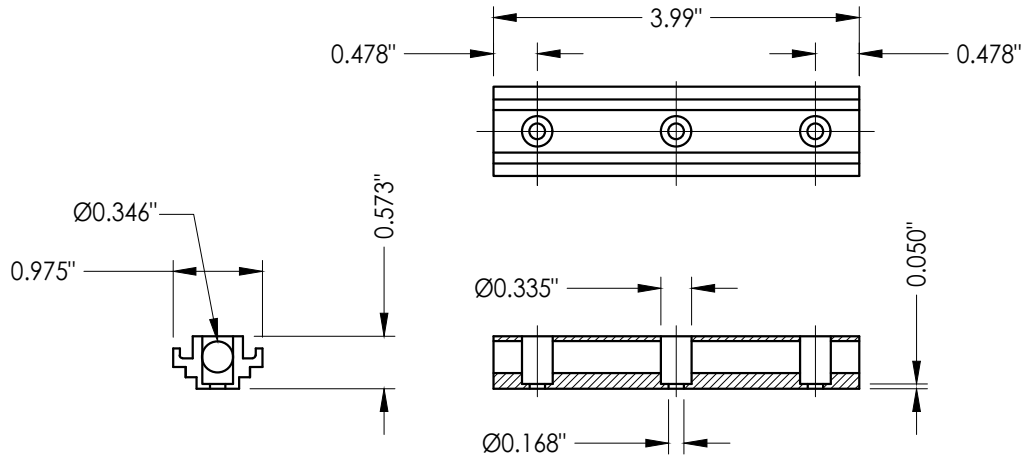
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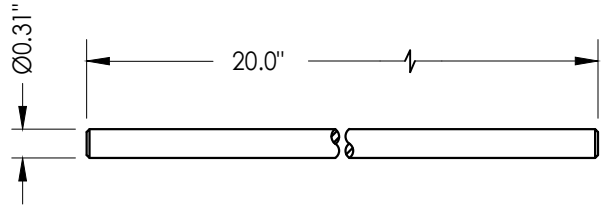
65 ASTRAGAL  
DLP



ASTRAGAL SCREW LOCATIONS



CONCEALED STIFFENER



SLIDE BOLT ROD  
Typ. top & bottom  
of astragal  
top through 1.98"  
bottom through 1.98"

| NO. | DATE    | REVISIONS                     |
|-----|---------|-------------------------------|
| 4   | 8/17/23 | UPDATE TO 8TH ED. (2023) FBC  |
| 3   | 7/29/20 | UPDATE TO 7TH ED (2020) FBC   |
|     |         | & REVISE ENDURA ULT. ASTRAGAL |
| 2   | 7/24/17 | UPDATE TO 6TH ED. (2017) FBC  |
| 1   | 3/9/15  | UPDATE TO 5TH ED. (2014) FBC  |
| NO. | DATE    |                               |

DATE: 6/20/12

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-15210.9

SHEET 12 OF 14

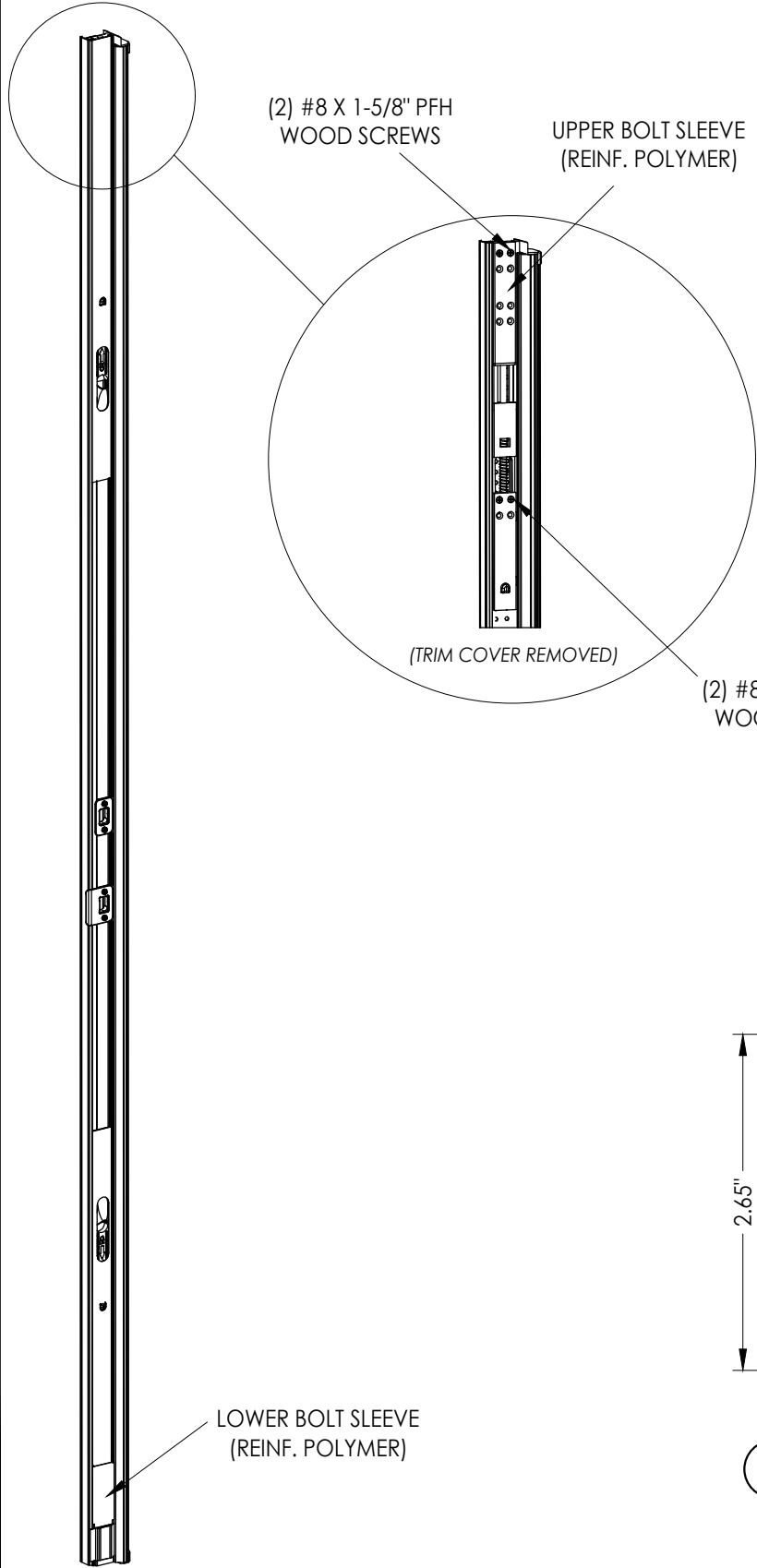
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

PRODUCT: PLASTPRO INC.  
FIBERGLASS DOOR

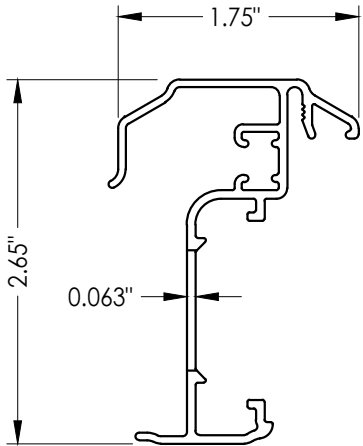
PART OR ASSEMBLY:  
ASTRAGAL DETAILS (DLP)

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

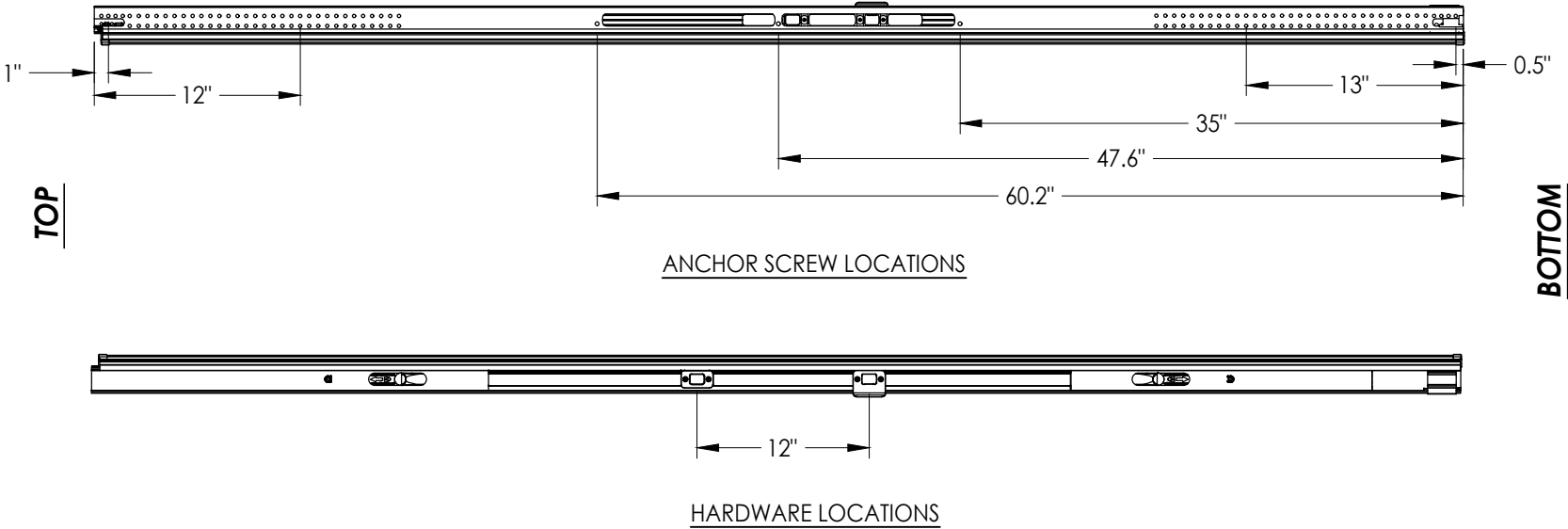
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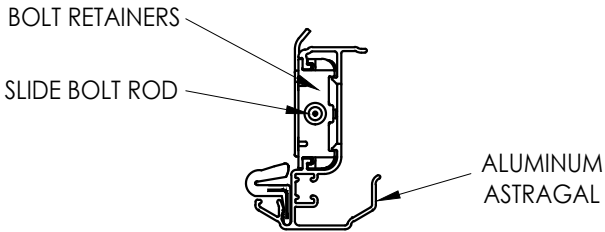
ULTIMATE HURRICANE ASTRAGAL



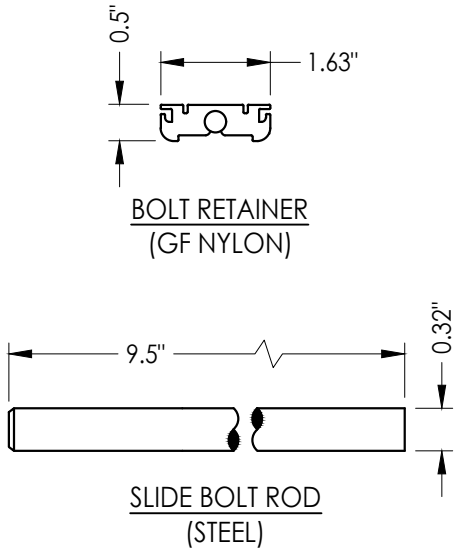
70 ALUMINUM ASTRAGAL  
By Endura Products



| HARDWARE TABLE |                             |                      |
|----------------|-----------------------------|----------------------|
| MANUFACTURER   | MODEL                       | MAX. DESIGN PRESSURE |
| ENDURA         | ULTIMATE HURRICANE ASTRAGAL | ± 45 PSF             |



ALUMINUM ASTRAGAL ASSEMBLY



|                                                               |         |                                                                                                                    |     |
|---------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------|-----|
| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409 |         | BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Vairico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |     |
| PRODUCT:<br>PLASTPRO INC.<br>FIBERGLASS DOOR                  |         | PART OR ASSEMBLY:<br>ASTRAGAL DETAILS<br>(ULTIMATE HURRICANE)                                                      |     |
| 4                                                             | 8/17/23 | UPDATE TO 8TH ED. (2023) FBC                                                                                       | LFS |
| 3                                                             | 7/29/20 | UPDATE TO 7TH ED. (2020) FBC<br>& REVISE ENDURA ULT. ASTRAGAL                                                      | 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: 2/23/13                                                 |         |                                                                                                                    |     |
| SCALE: N.T.S.                                                 |         |                                                                                                                    |     |
| DWG. BY: JK                                                   |         |                                                                                                                    |     |
| CHK. BY: LFS                                                  |         |                                                                                                                    |     |
| DRAWING NO.: FL-15210.9                                       |         |                                                                                                                    |     |
| SHEET 13 OF 14                                                |         |                                                                                                                    |     |

