



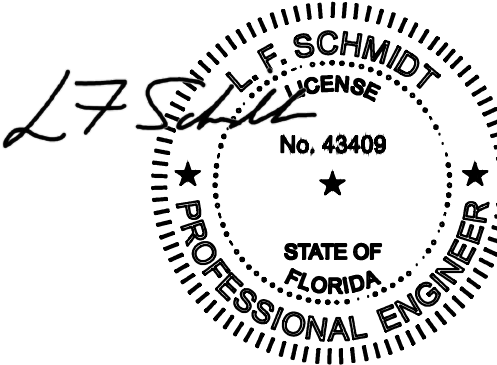
"D" SERIES  
COMMERCIAL STEEL DOOR  
w/ SIDELITE  
INSWING / OUTSWING  
"NON-IMPACT"

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 Section 1609.1.2.
- 4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
- 5. The "D" door achieves a Class I stiffness classification per Section 8.2.2 of ANSI A250.13 (based on opaque door).

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| 2                 | Door panel sections 161 lock prep                     |
| 3                 | Horizontal cross sections                             |
| 4                 | Vertical cross sections                               |
| 5                 | Vertical cross sections                               |
| 6                 | Vertical cross sections                               |
| 7                 | Anchoring details                                     |
| 8                 | Glazing detail & components                           |
| 9                 | Bill of materials & components                        |

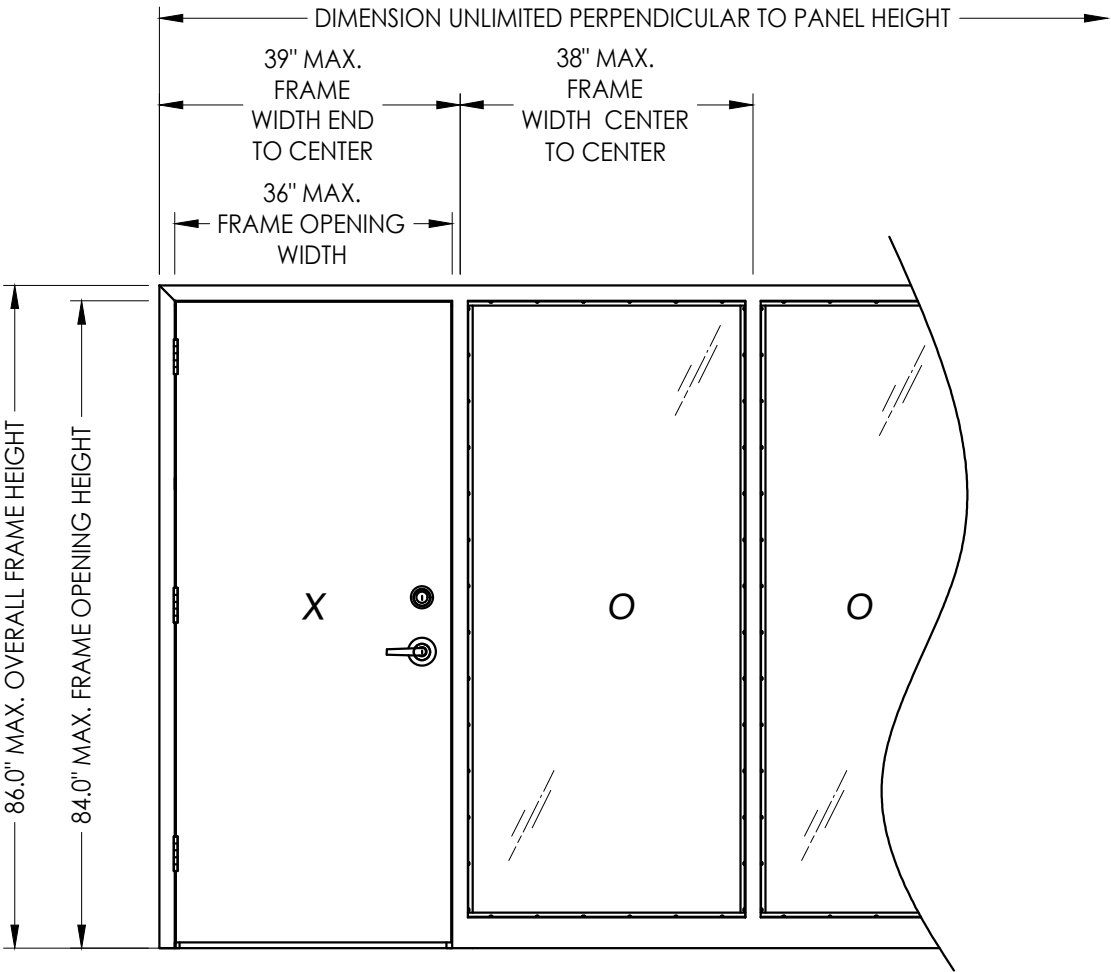
| SWING    | OVERALL FRAME DIMENSION | OVERALL D.L.O. DIMENSION | LOCK TYPE                              | DESIGN PRESSURE (PSF) |          |
|----------|-------------------------|--------------------------|----------------------------------------|-----------------------|----------|
|          |                         |                          |                                        | POSITIVE              | NEGATIVE |
| INSWING  | 39.0" x 86.0"           | 34.75" x 78.75"          | 161 LATCH (SCHLAGE)                    | +55.0                 | -55.0    |
|          | 39.0" x 86.0"           | 34.75" x 78.75"          | 161 LATCH & DEADBOLT (DESIGN HARDWARE) | +65.0                 | -70.0    |
| OUTSWING | 39.0" x 86.0"           | 34.75" x 78.75"          | 161 LATCH (SCHLAGE)                    | +55.0                 | -55.0    |
|          | 39.0" x 86.0"           | 34.75" x 78.75"          | 161 LATCH & DEADBOLT (DESIGN HARDWARE) | +65.0                 | -70.0    |



Digitally signed by  
Lyndon F Schmidt  
Date: 2026.07.05  
11:20:35 -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

PRODUCT:  
PREMIER PRODUCTS, INC.  
"D" STEEL DOOR

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

DATE: 11/10/22

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-41788.6

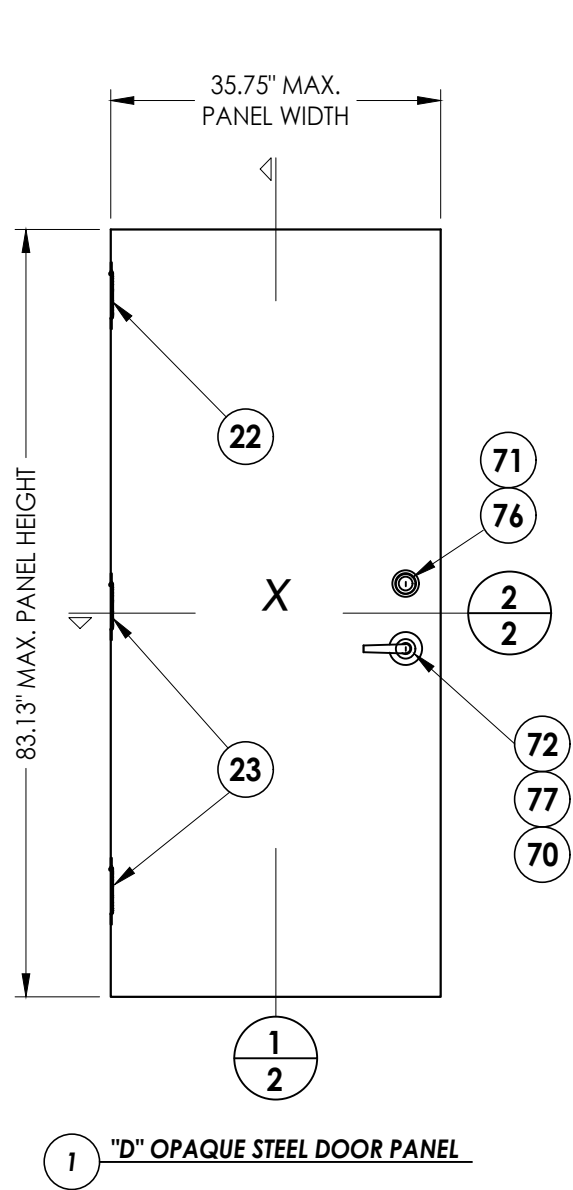
SHEET 1 OF 9

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

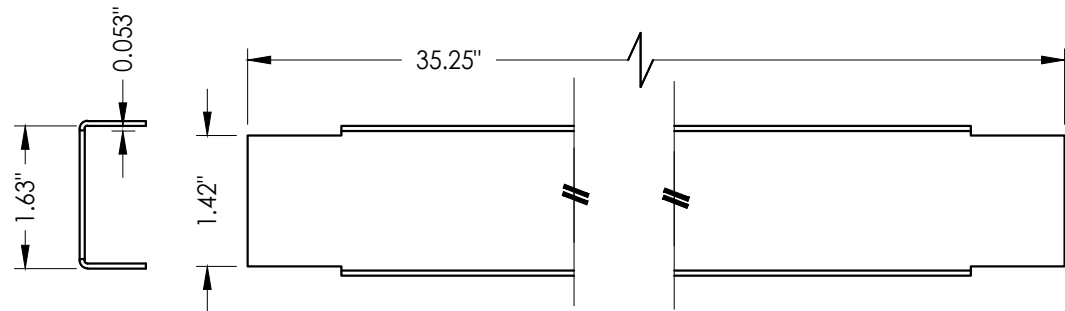
REVISIONS

© 2022 R.W. BUILDING CONSULTANTS INC.

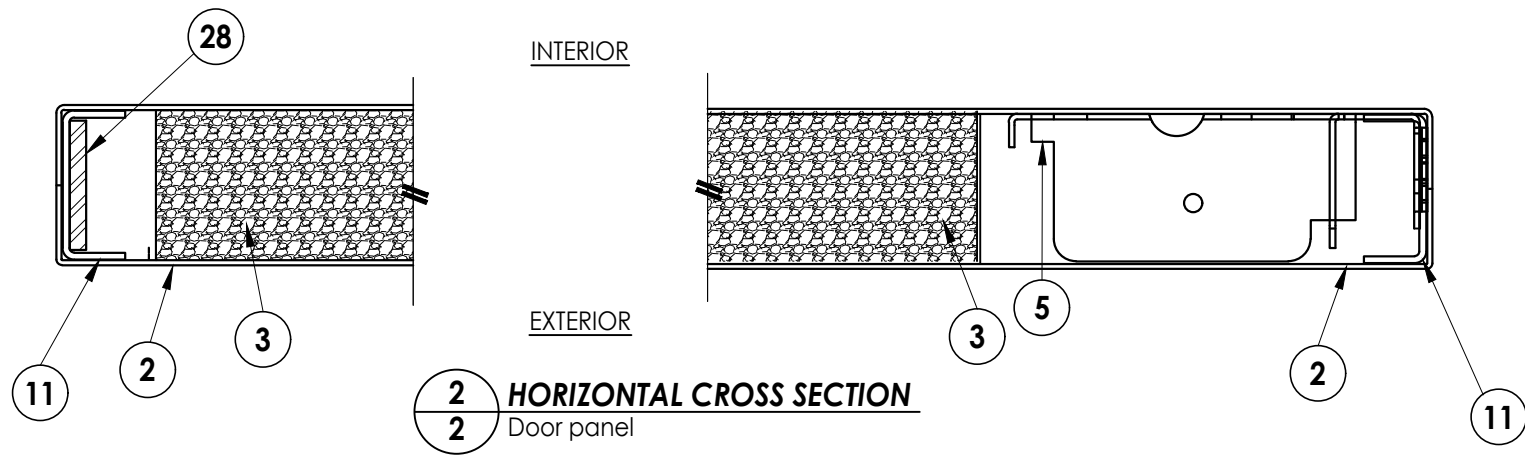
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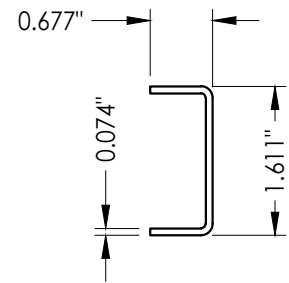
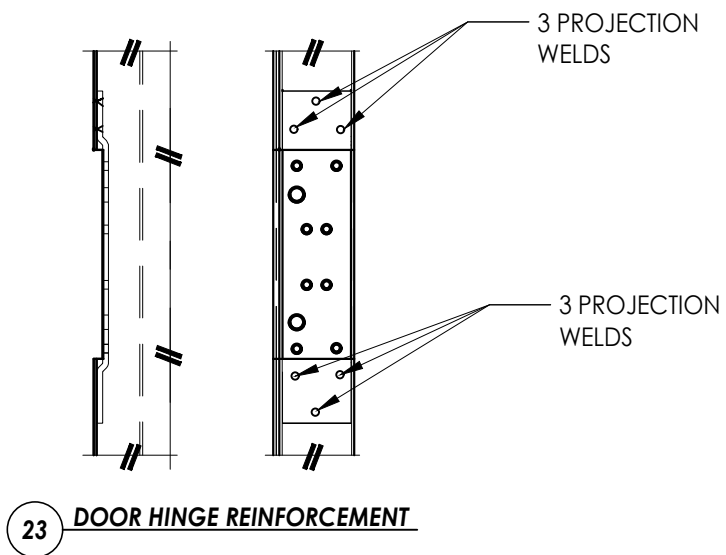
1 "D" OPAQUE STEEL DOOR PANEL



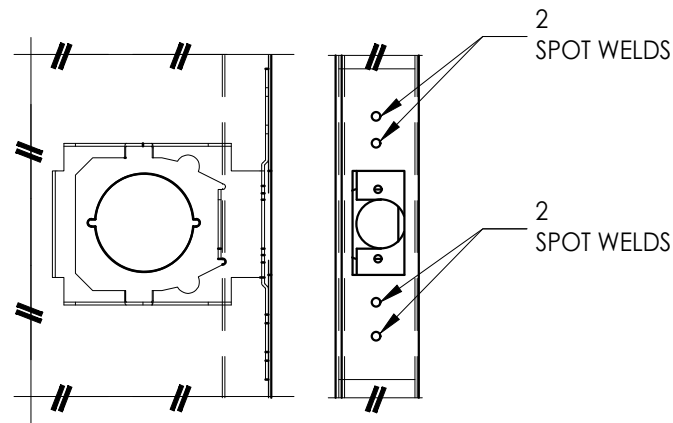
4 DOOR TOP & BOTTOM CLOSER



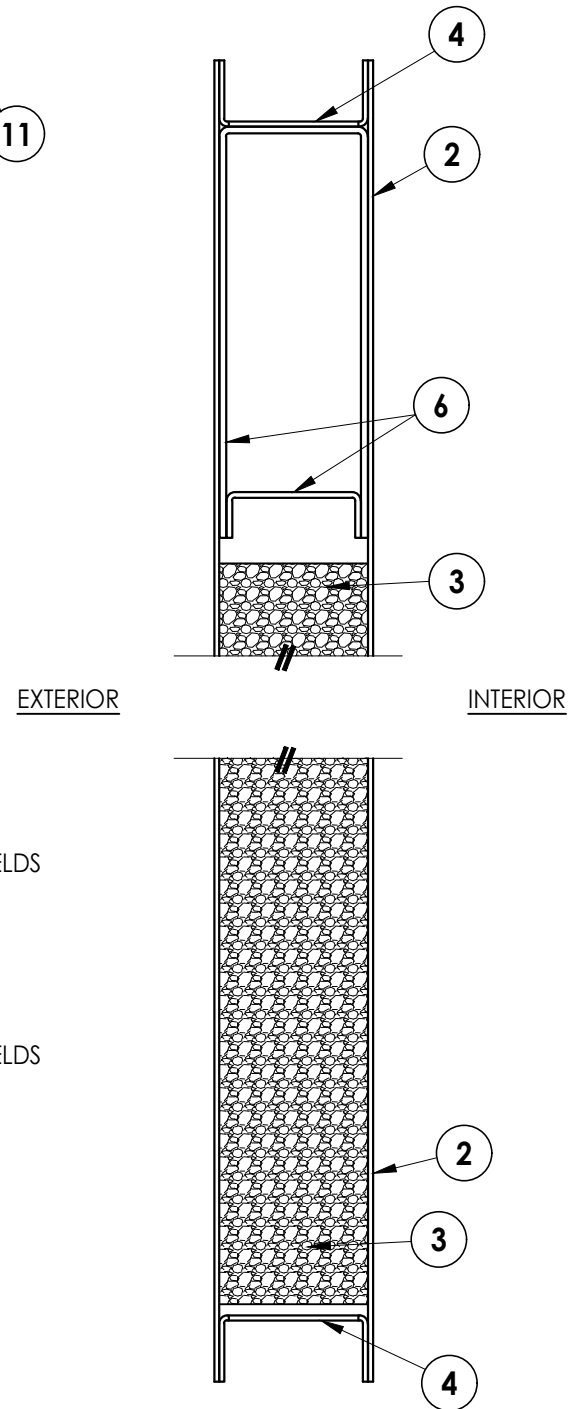
2 HORIZONTAL CROSS SECTION  
2 Door panel



11 DOOR STILE EDGE  
Reinforcement



5 LOCK BOX REINFORCEMENT



1 VERTICAL CROSS SECTION  
2 Door panel

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: PREMIER PRODUCTS, INC.  
"D" STEEL DOOR

PART OR ASSEMBLY:  
DOOR PANEL SECTIONS  
161 LOCK PREP

| NO. | DATE    | BY                       | REVISIONS |
|-----|---------|--------------------------|-----------|
| 2   | 7/02/26 | UPDATE TO 9TH ED. (2026) | FBC LFS   |
| 1   | 8/21/23 | UPDATE TO 8TH ED. (2023) | FBC LFS   |

DATE: 11/10/22

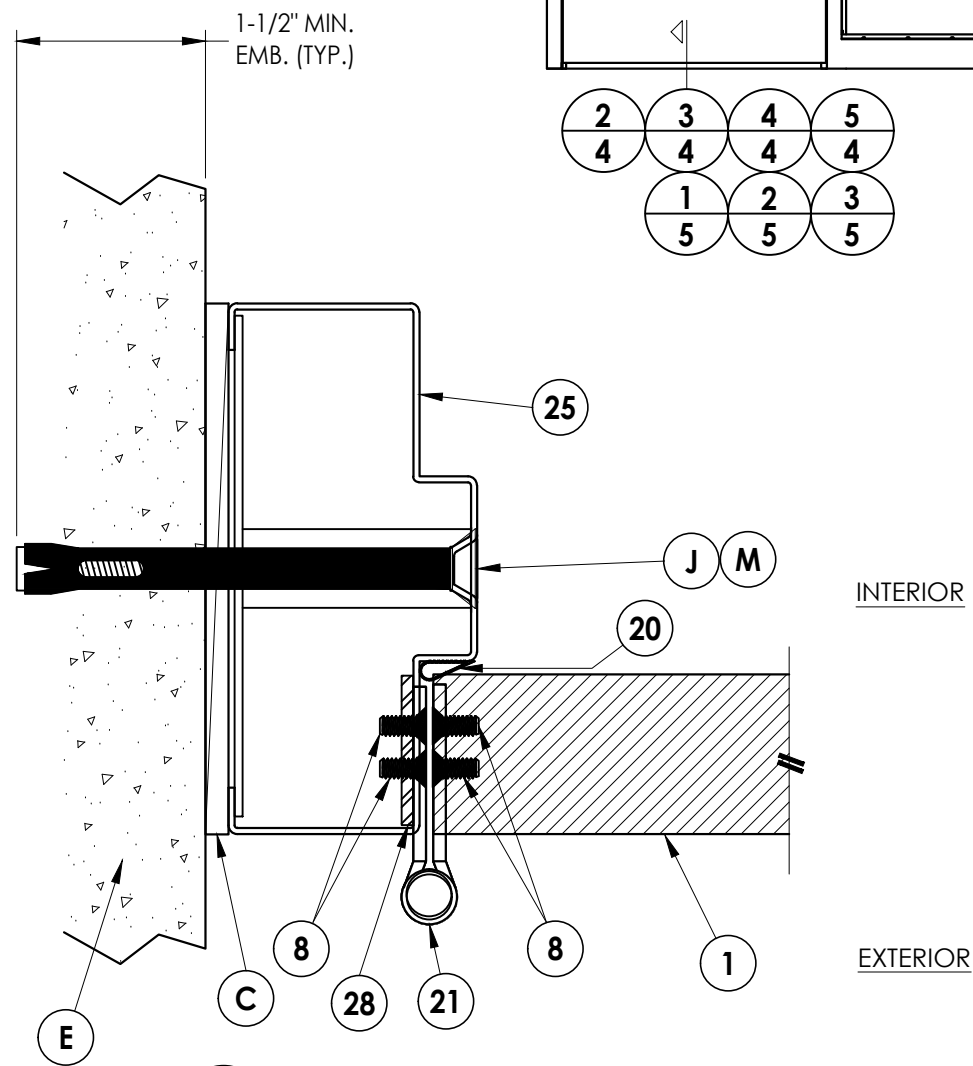
SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

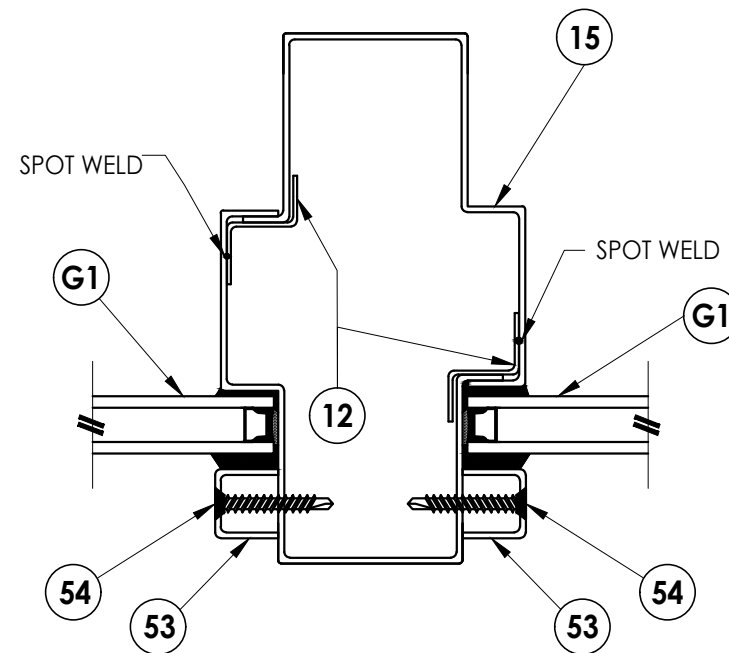
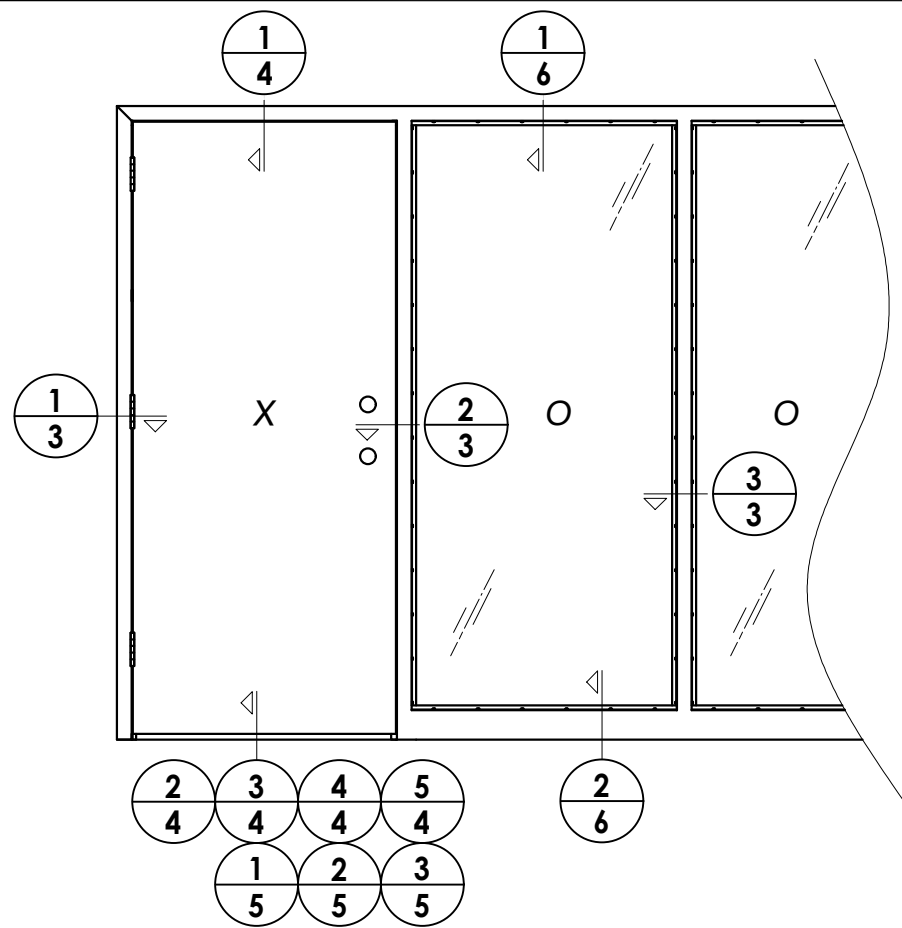
DRAWING NO.: FL-41788.6

SHEET 2 OF 9

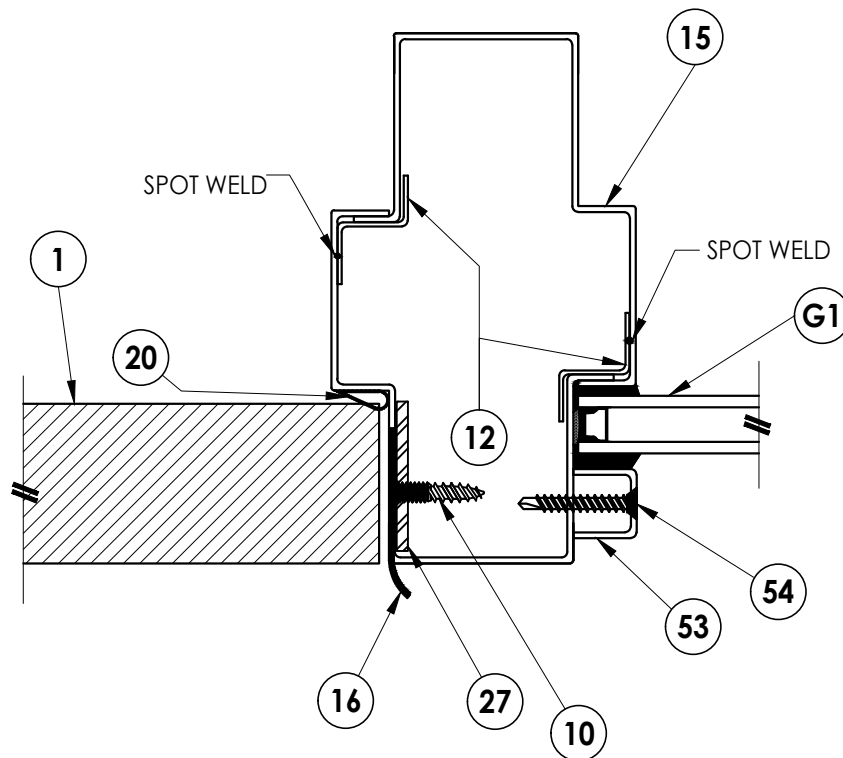


## 1 **HORIZONTAL CROSS SECTION**

3 Outswing shown  
Inswing also approved



**3 HORIZONTAL CROSS SECTION**  
**3** Outswing shown  
 Inswing also approved



**2 HORIZONTAL CROSS SECTION**  
**3** Outswing shown  
 Inswing also approved

|           |         |                   |        |     |     |
|-----------|---------|-------------------|--------|-----|-----|
|           |         |                   |        |     |     |
|           |         |                   |        |     |     |
|           |         |                   |        |     |     |
|           |         |                   |        |     |     |
| 2         | 7/02/26 | UPDATE TO 9TH ED. | (2026) | FBC | LFS |
| 1         | 8/21/23 | UPDATE TO 8TH ED. | (2023) | FBC | LFS |
| NO.       | DATE    | BY                |        |     |     |
| REVISIONS |         |                   |        |     |     |

DATE: 11/10/22

SCALE: *N.T.S.*

DWG. BY: *LFS*

CHK. BY: RW

DRAWING NO.:

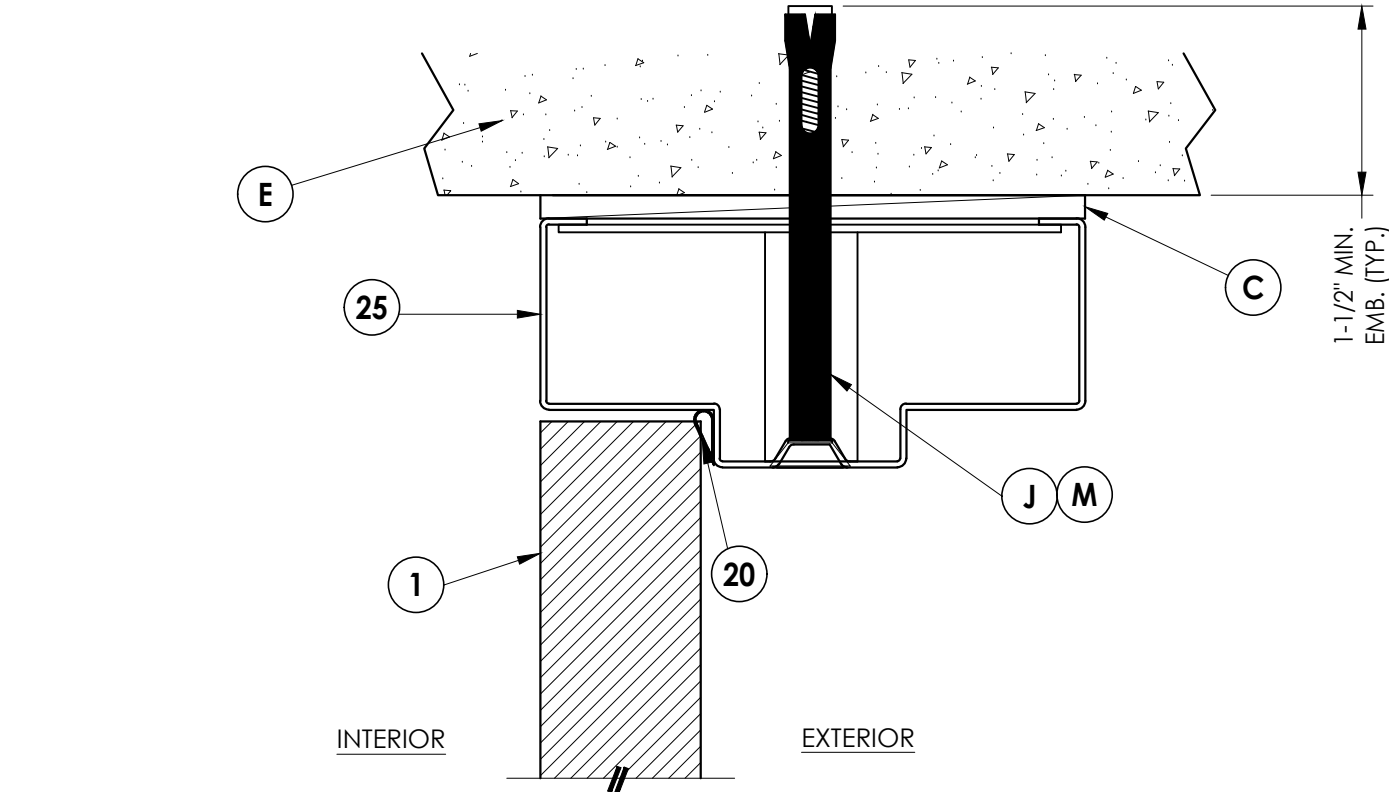
FL-41788.6

SHEET 3 OF 9

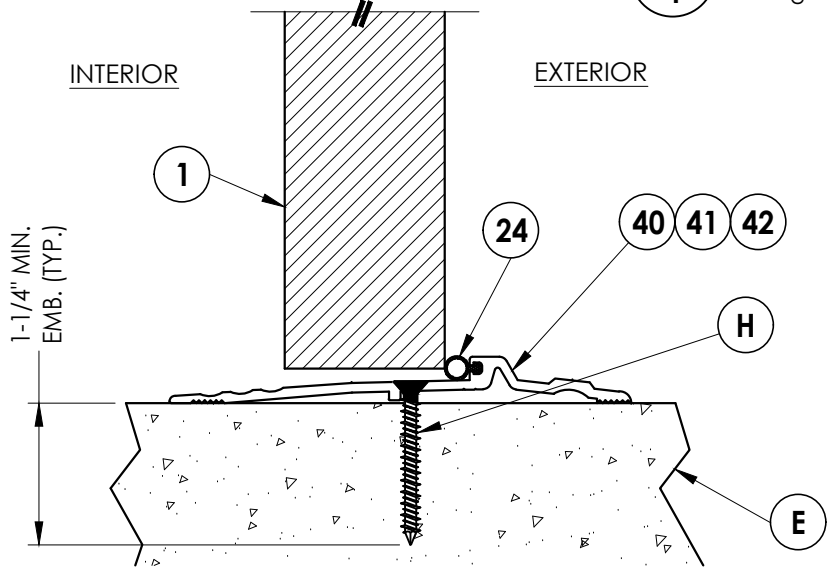
Documents Prepared By:  
Lyndon F. Schmidt  
P.E. No. 43409

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

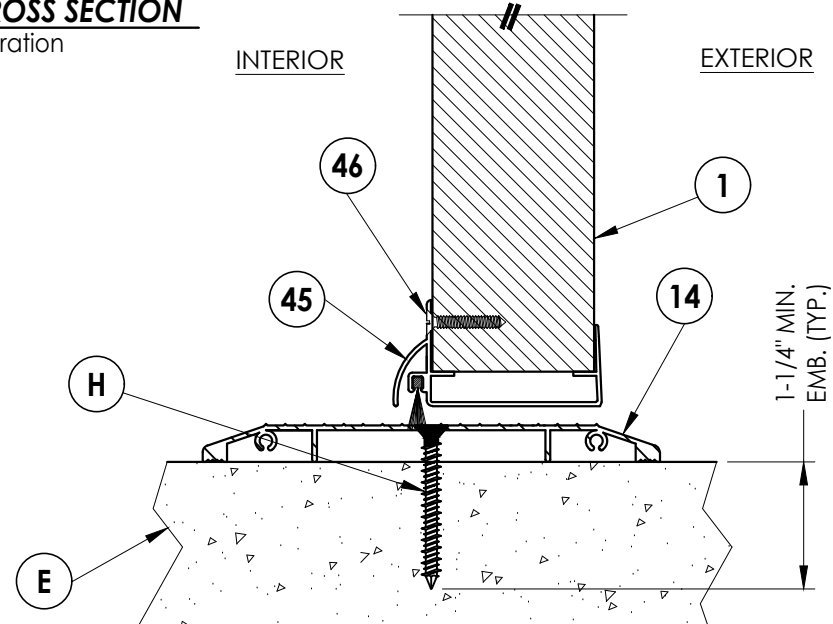
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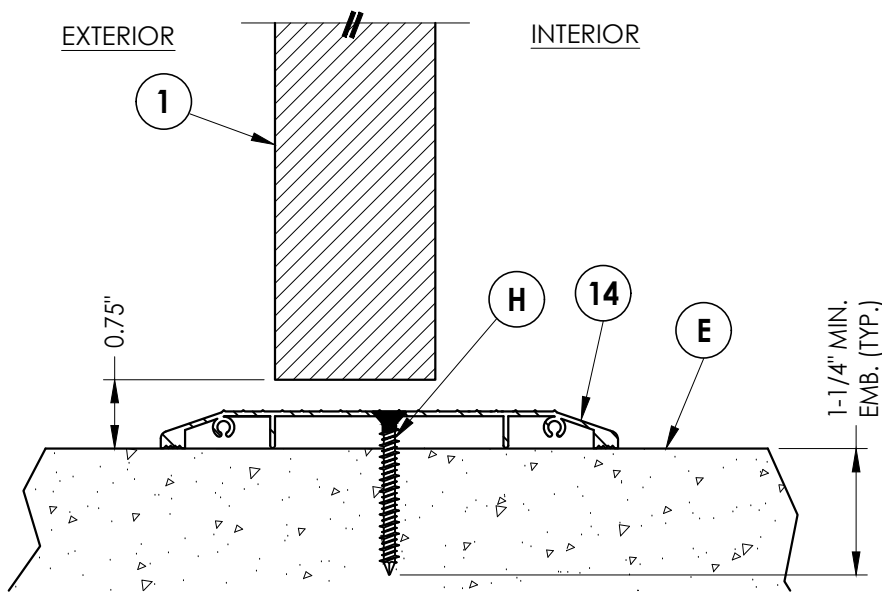
1  
4 VERTICAL CROSS SECTION  
Inswing configuration



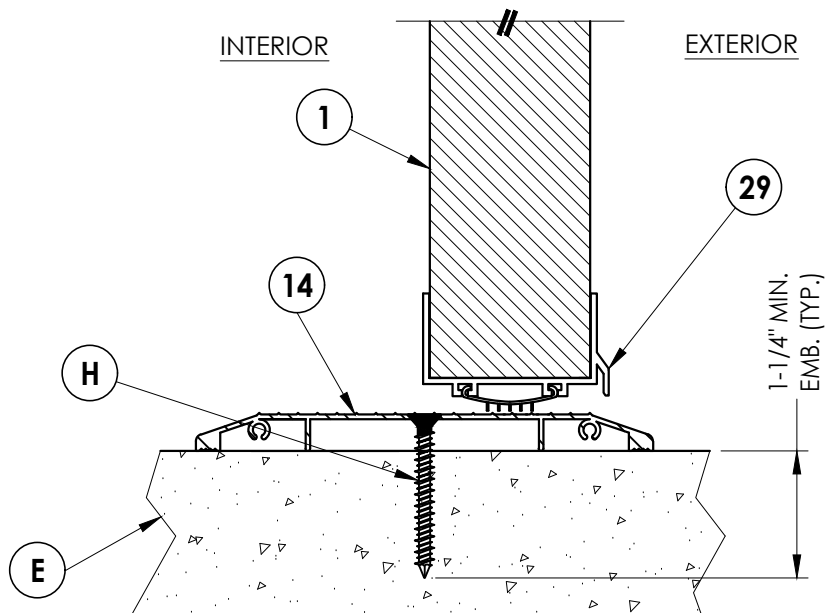
2  
4 VERTICAL CROSS SECTION  
Inswing configuration



3  
4 VERTICAL CROSS SECTION  
Inswing configuration



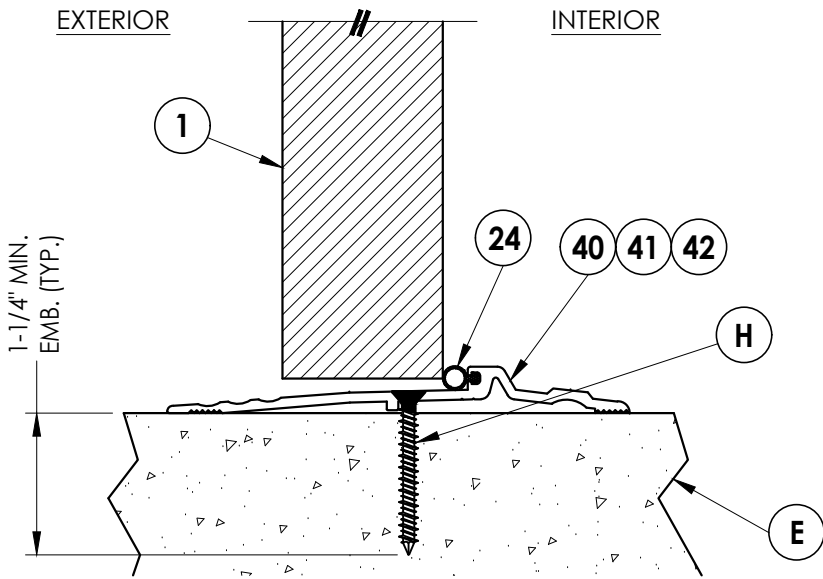
5  
4 VERTICAL CROSS SECTION



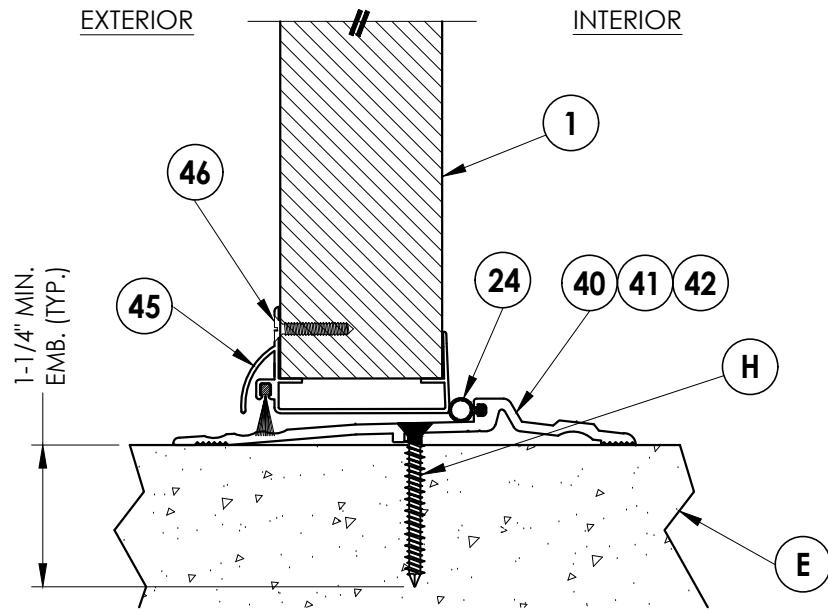
4  
4 VERTICAL CROSS SECTION  
Inswing configuration

|                                                               |         |                                                                                                                    |     |
|---------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------|-----|
| 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:<br>PREMIER PRODUCTS, INC.<br>"D" STEEL DOOR          |         | PART OR ASSEMBLY:<br>VERTICAL CROSS SECTIONS                                                                       |     |
|                                                               |         | LFS                                                                                                                | BY  |
|                                                               |         | FBC                                                                                                                |     |
| 2                                                             | 7/02/26 | UPDATE TO 9TH ED. (2026)                                                                                           | FBC |
| 1                                                             | 8/21/23 | UPDATE TO 8TH ED. (2023)                                                                                           | FBC |
| NO.                                                           | DATE    |                                                                                                                    |     |
| REVISIONS                                                     |         |                                                                                                                    |     |
| DATE: 11/10/22                                                |         |                                                                                                                    |     |
| SCALE: N.T.S.                                                 |         |                                                                                                                    |     |
| DWG. BY: LFS                                                  |         |                                                                                                                    |     |
| CHK. BY: RW                                                   |         |                                                                                                                    |     |
| DRAWING NO.: FL-41788.6                                       |         |                                                                                                                    |     |
| SHEET 4 OF 9                                                  |         |                                                                                                                    |     |

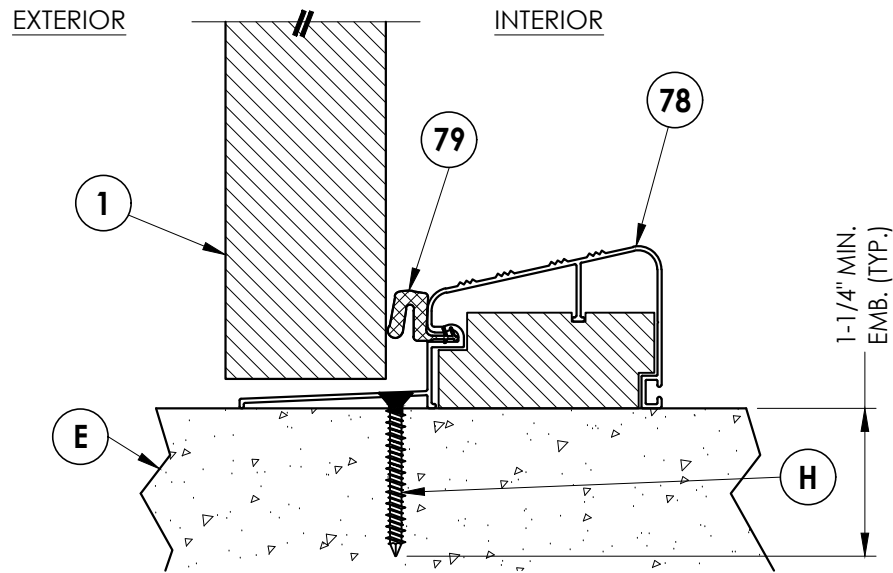
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**2 VERTICAL CROSS SECTION**  
5 Outswing shown

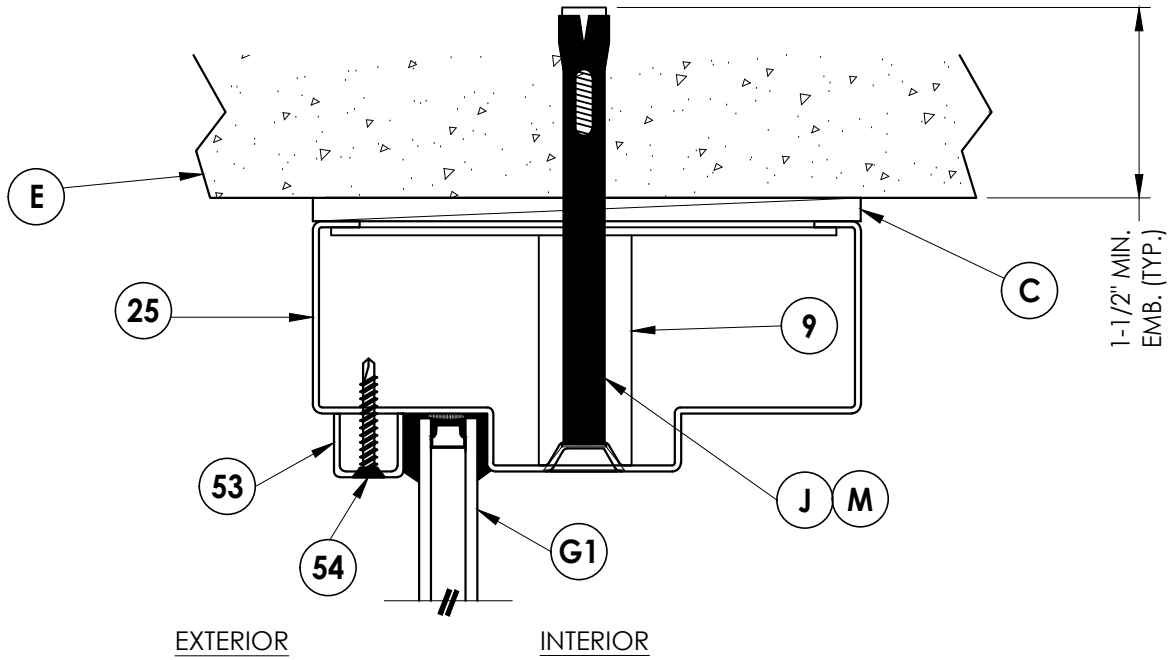


**1 VERTICAL CROSS SECTION**  
5 Outswing shown

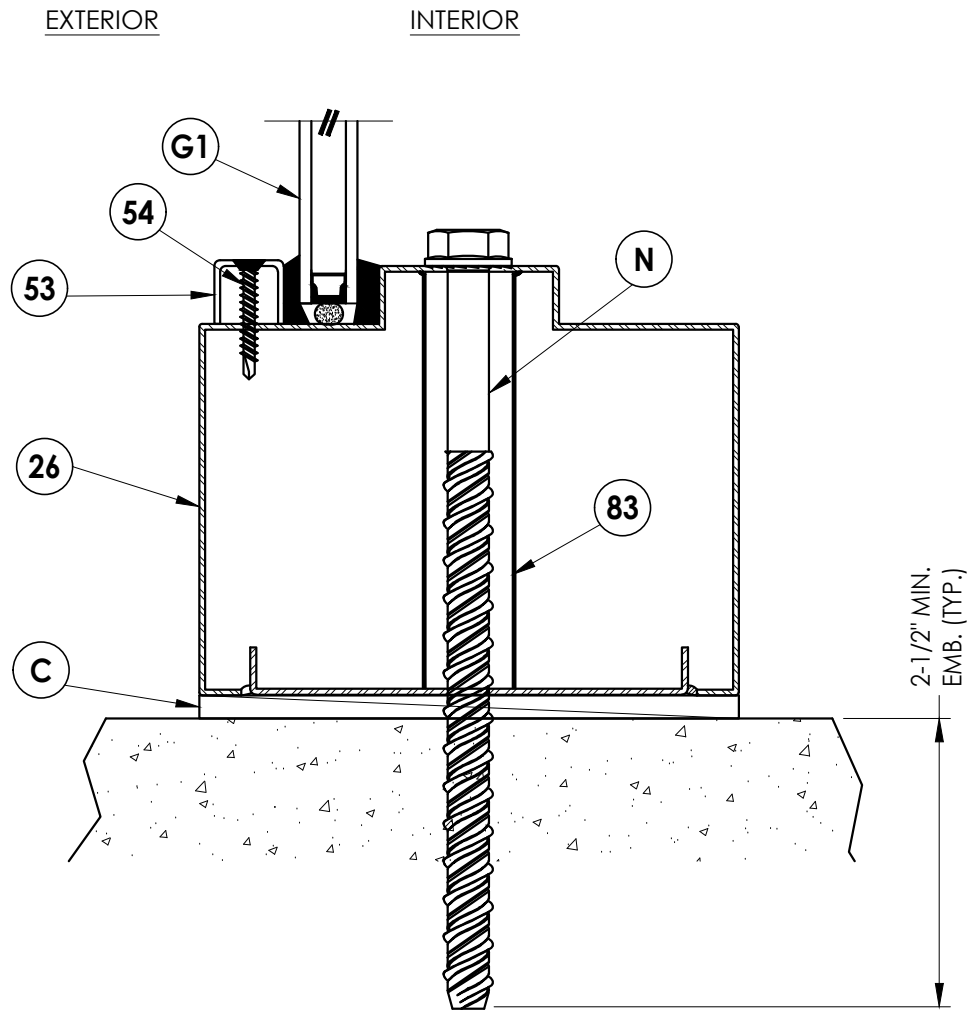


**3 VERTICAL CROSS SECTION**  
5 Outswing shown

|                                                               |         |                          |     |                                                                                                                    |     |      |    |
|---------------------------------------------------------------|---------|--------------------------|-----|--------------------------------------------------------------------------------------------------------------------|-----|------|----|
| 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>PREMIER PRODUCTS, INC.<br>"D" STEEL DOOR          |         |                          |     | PART OR ASSEMBLY:<br>VERTICAL CROSS SECTIONS                                                                       |     |      |    |
|                                                               |         |                          |     | LFS                                                                                                                | FBC | DATE | BY |
| 2                                                             | 7/02/26 | UPDATE TO 9TH ED. (2026) | FBC | LFS                                                                                                                | FBC | DATE | BY |
| 1                                                             | 8/21/23 | UPDATE TO 8TH ED. (2023) | FBC | LFS                                                                                                                | FBC | DATE | BY |
| REVISIONS                                                     |         |                          |     |                                                                                                                    |     |      |    |
| DATE: 11/10/22                                                |         |                          |     |                                                                                                                    |     |      |    |
| SCALE: N.T.S.                                                 |         |                          |     |                                                                                                                    |     |      |    |
| DWG. BY: LFS                                                  |         |                          |     |                                                                                                                    |     |      |    |
| CHK. BY: RW                                                   |         |                          |     |                                                                                                                    |     |      |    |
| DRAWING NO.: FL-41788.6                                       |         |                          |     |                                                                                                                    |     |      |    |
| SHEET 5 OF 9                                                  |         |                          |     |                                                                                                                    |     |      |    |



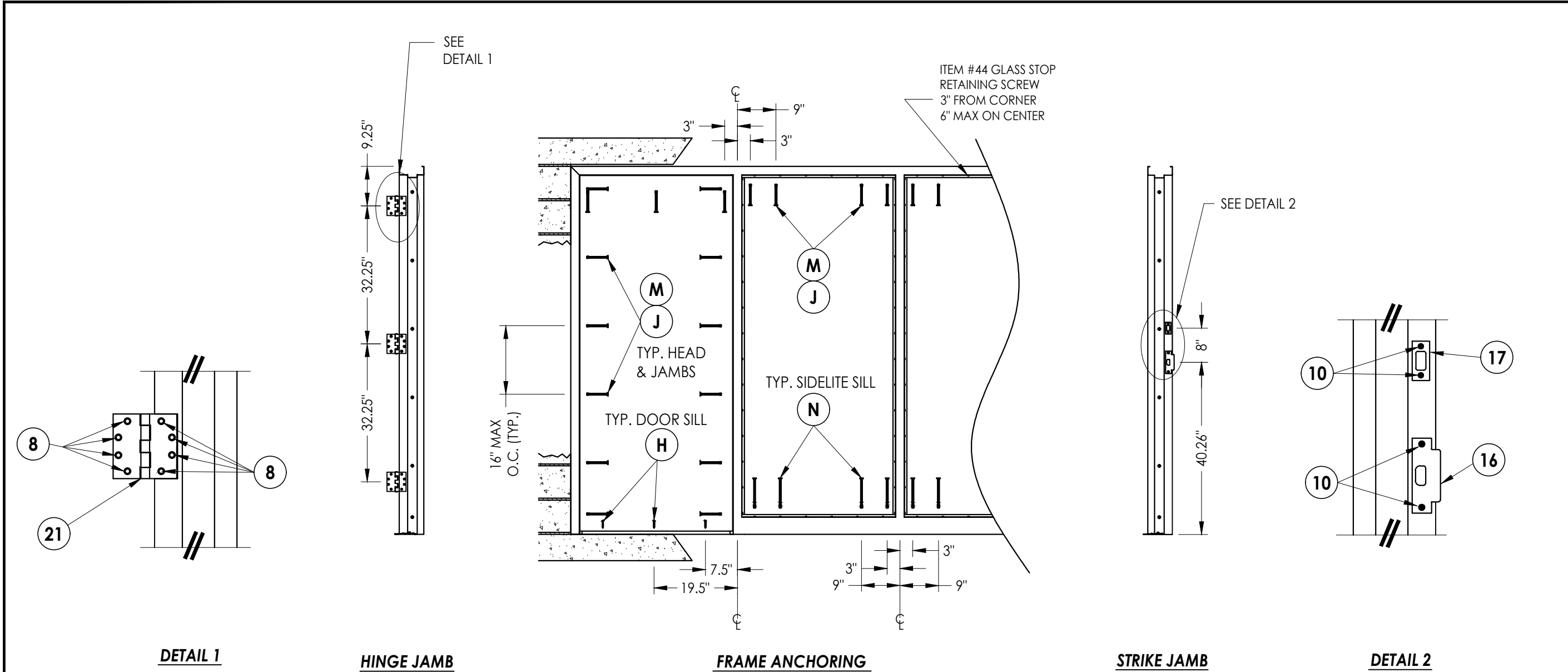
**1**  
**6** **VERTICAL CROSS SECTION**



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

|                                                      |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
|------------------------------------------------------|--|--|--|--|--|--|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|--|--|--|--|--|--|
| DATE: 11/10/22                                       |  |  |  |  |  |  |  |  |  | <div>Documents Prepared By:<br/>Lyndon F. Schmidt<br/>P.E. No. 43409</div> <div><div><div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div></div><div><div>2</div><div>7/02/26</div><div>UPDATE TO 9TH ED. (2026)</div><div>FBC</div><div>LFS</div></div><div><div>1</div><div>8/21/23</div><div>UPDATE TO 8TH ED. (2023)</div><div>FBC</div><div>LFS</div></div><div><div>NO.</div><div>DATE</div><div></div><div></div><div>BY</div></div></div><div>REVISIONS</div></div> |  |  |  |  |  |  |  |  |  |
| SCALE: N.T.S.                                        |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
| DWG. BY: LFS                                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
| CHK. BY: RW                                          |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
| DRAWING NO.: FL-41788.6                              |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
| SHEET 6 OF 9                                         |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
| PRODUCT:<br>PREMIER PRODUCTS, INC.<br>"D" STEEL DOOR |  |  |  |  |  |  |  |  |  | <div><div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div><div><div></div><div></div><div></div><div></div></div></div><div><div>BUILDING CONSULTANTS, INC.</div><div>P.O. Box 230, Valrico, FL 33595</div><div>Phone No.: 813.659.9197</div><div>FBPE Registry No. 9813</div></div></div>                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |
| PART OR ASSEMBLY:<br><br>VERTICAL CROSS SECTIONS     |  |  |  |  |  |  |  |  |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |  |  |  |  |  |  |  |  |  |

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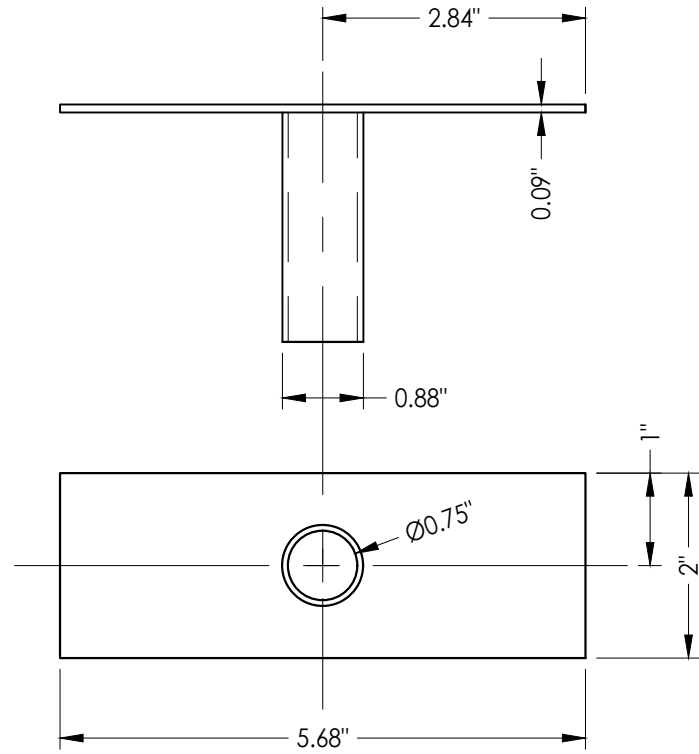
ANCHOR NOTES:

1. Substitution of equal concrete screws from a different supplier may have different edge distance and center distance requirements.
2. Concrete screw locations at the corners may be adjusted to maintain the minimum edge distance to mortar joints. If concrete screw locations noted as "MAX. ON CENTER" must be adjusted to maintain the minimum edge distance to mortar joints, additional concrete screws may be required to ensure the maximum on center dimension is not exceeded.
3. Concrete Anchor Table:

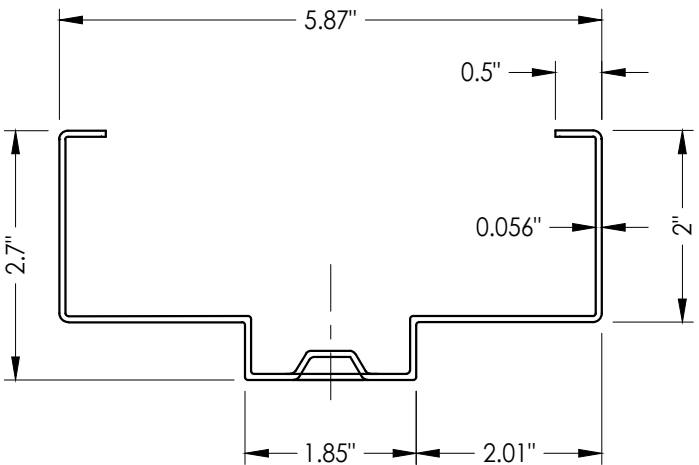
| ANCHOR TYPE            | ANCHOR SIZE | MINIMUM EMBEDMENT | MINIMUM CLEARANCE TO MASONRY EDGE | MINIMUM CLEARANCE TO ADJACENT ANCHOR |
|------------------------|-------------|-------------------|-----------------------------------|--------------------------------------|
| ITW TAPCON®            | 1/4"        | 1-1/4"            | 2-1/2"                            | 4"                                   |
| DYNABOLT SLEEVE ANCHOR | 3/8"        | 1-1/2"            | 2-1/4"                            | 4-1/2"                               |
| POWERS TAPPER          | 3/8"        | 1-1/2"            | 4"                                | 3-3/4"                               |
| SCREW-BOLT+™           | 1/2"        | 2-1/2"            | 6"                                | 6"                                   |

|                                                               |  |                                        |  |                                                                                                                       |         |                          |     |
|---------------------------------------------------------------|--|----------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------|---------|--------------------------|-----|
| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409 |  |                                        |  | RW BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |         |                          |     |
| PRODUCT:<br>PREMIER PRODUCTS, INC.<br>"D" STEEL DOOR          |  | PART OR ASSEMBLY:<br>ANCHORING DETAILS |  | REVISIONS                                                                                                             |         |                          |     |
|                                                               |  |                                        |  | 2                                                                                                                     | 7/02/26 | UPDATE TO 9TH ED. (2026) | FBC |
|                                                               |  |                                        |  | 1                                                                                                                     | 8/21/23 | UPDATE TO 8TH ED. (2023) | FBC |
|                                                               |  |                                        |  | NO.                                                                                                                   | DATE    |                          | BY  |
| DATE: 11/10/22                                                |  |                                        |  |                                                                                                                       |         |                          |     |
| SCALE: N.T.S.                                                 |  |                                        |  |                                                                                                                       |         |                          |     |
| DWG. BY: LFS                                                  |  |                                        |  |                                                                                                                       |         |                          |     |
| CHK. BY: RW                                                   |  |                                        |  |                                                                                                                       |         |                          |     |
| DRAWING NO.: FL-41788.6                                       |  |                                        |  |                                                                                                                       |         |                          |     |
| SHEET 7 OF 9                                                  |  |                                        |  |                                                                                                                       |         |                          |     |

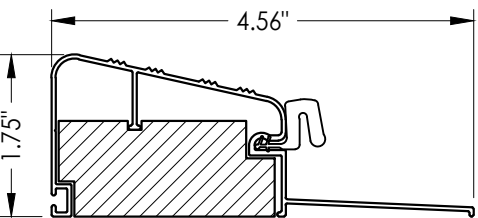
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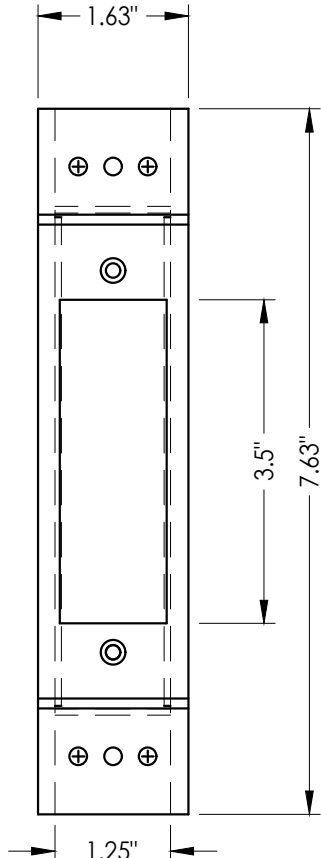
9 **TUBE ANCHOR**



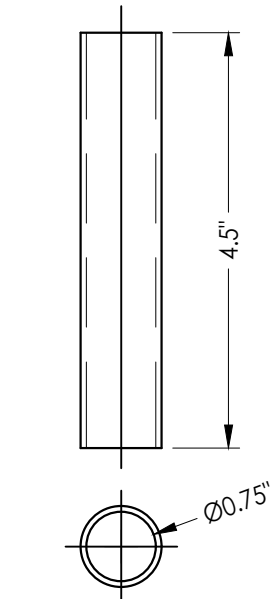
25 **HOLLOW METAL FRAME**



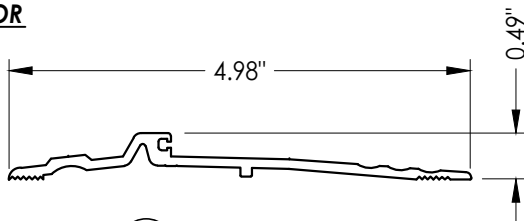
78 **OUTSWING THRESHOLD**



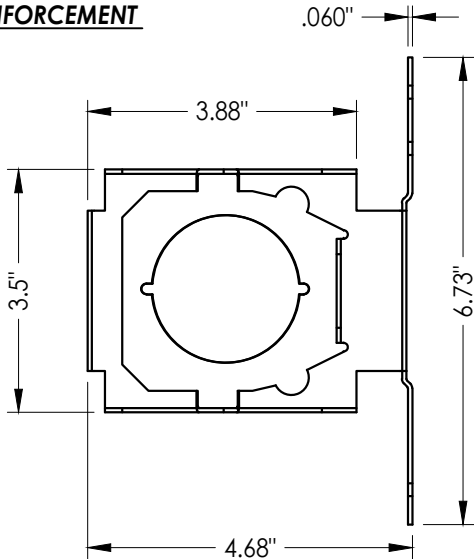
27 **LATCH STRIKE REINFORCEMENT**



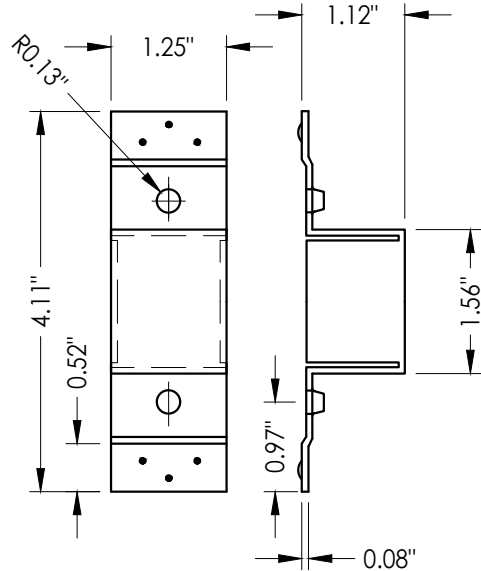
83 **SILL TUBE ANCHOR**



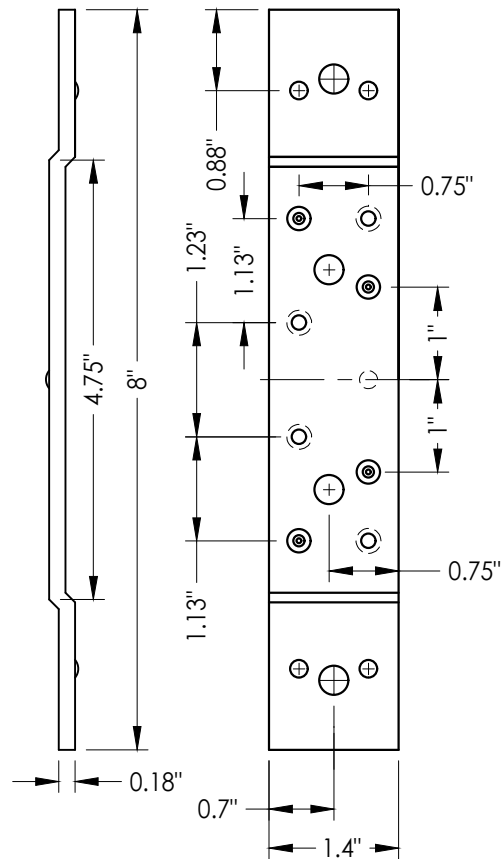
40 **THRESHOLD**



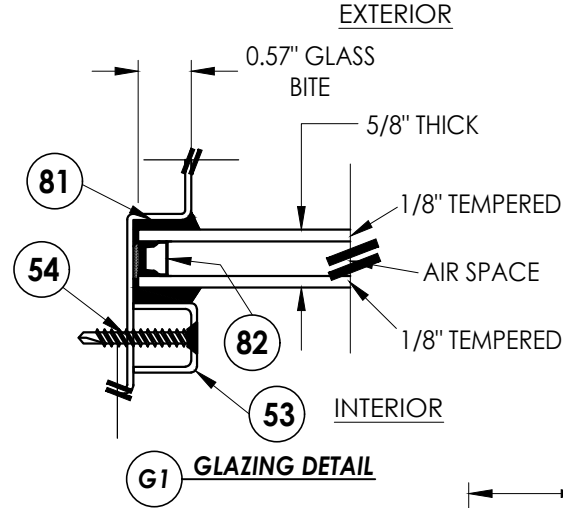
5 **LOCK BOX REINFORCEMENT**



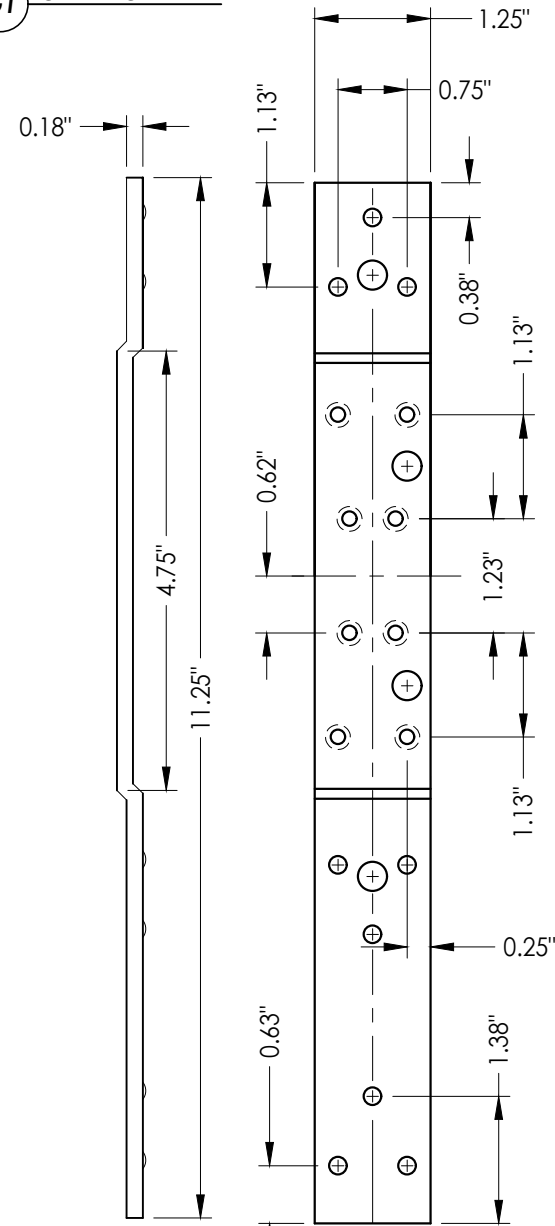
19 **DEADBOLT STRIKE REINFORCEMENT**



23 **STANDARD (SHORT) DOOR HINGE**  
Reinforcement middle and bottom hinge



G1 **GLAZING DETAIL**



22 **STANDARD (LONG) DOOR HINGE**  
Reinforcement top hinge

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

PRODUCT:  
PREMIER PRODUCTS, INC.  
"D" STEEL DOOR

| NO. | DATE    | BY  | REVISIONS                    |
|-----|---------|-----|------------------------------|
| 2   | 7/02/26 | LFS | UPDATE TO 9TH ED. (2026) FBC |
| 1   | 8/21/23 | LFS | UPDATE TO 8TH ED. (2023) FBC |

DATE: 11/10/22

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

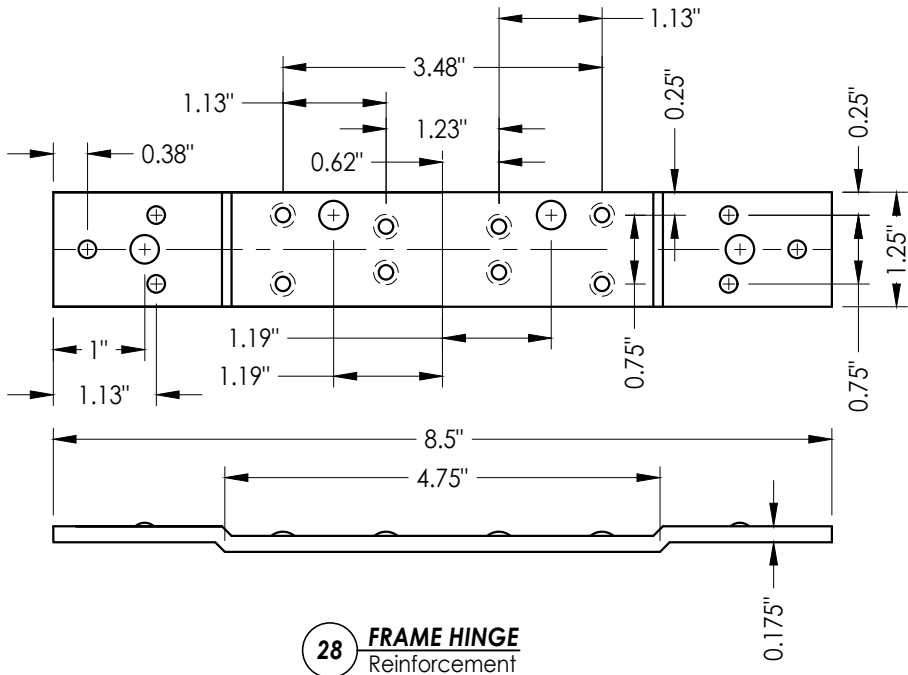
DRAWING NO.: FL-41788.6

SHEET 8 OF 9

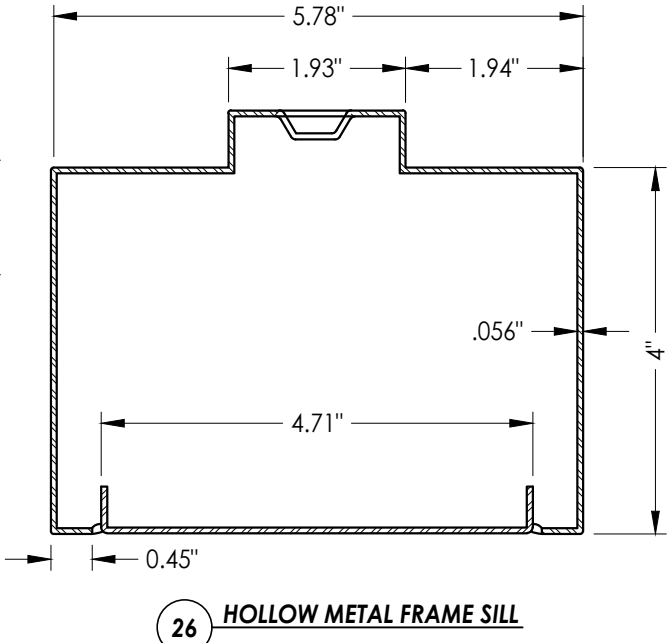
**BUILDING CONSULTANTS, INC.**  
P.O. Box 230, Valrico, FL 33595  
Phone No.: 813.659.9197  
FBPE Registry No. 9813

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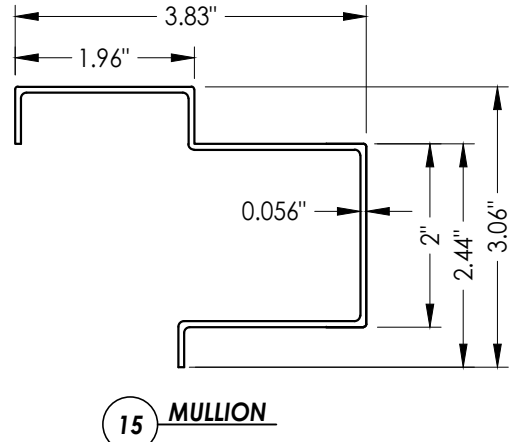
| BILL OF MATERIALS |                                                                                                |             |      |                                                         |           |
|-------------------|------------------------------------------------------------------------------------------------|-------------|------|---------------------------------------------------------|-----------|
| ITEM              | DESCRIPTION                                                                                    | MATERIAL    | ITEM | DESCRIPTION                                             | MATERIAL  |
| C                 | MAX. 1/4" SHIM SPACE                                                                           | -           | 23   | STANDARD (SHORT) DOOR HINGE MIDDLE BOTTOM REINFORCEMENT | STEEL     |
| E                 | MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90 | CONCRETE    | 24   | WEATHER STRIP (THRESHOLD)                               | NEOPRENE  |
| H                 | 1/4" x 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL       | 25   | FRAME 5-3/4" X 2" MIN. (0.056" THK)                     | STEEL     |
| J                 | 3/8" X 5" PFH ITW DYNABOLT SLEEVE ANCHOR                                                       | STEEL       | 26   | FRAME SILL 5-3/4" X 4" MIN. (0.056" THK)                | STEEL     |
| M                 | 3/8" X 5" TAPPER CONCRETE SCREW BY POWERS FASTENERS                                            | STEEL       | 27   | LATCH STRIKE REINFORCEMENT                              | STEEL     |
| N                 | 1/2" X 8" HH SCREW-BOLT+ CONC. ANCHOR (DeWALT/POWERS)                                          | STEEL       | 28   | FRAME HINGE REINFORCEMENT                               | STEEL     |
| 1                 | "D" OPAQUE STEEL DOOR PANEL                                                                    | -           | 29   | COLUMBIA DOOR BOTTOM SWEEP #2580                        | ALUMINUM  |
| 2                 | DOOR SKIN (0.055" THK. STEEL, Fy = 40,317 PSI MIN.)                                            | STEEL       | 40   | THRESHOLD NATIONAL GUARD PRODUCTS, INC. #896            | ALUMINUM  |
| 3                 | FOAM 1.0 PCF MIN. DENSITY                                                                      | POLYSTYRENE | 41   | THRESHOLD NATIONAL GUARD PRODUCTS, INC. #950            | ALUMINUM  |
| 4                 | DOOR TOP & BOTTOM CLOSER                                                                       | STEEL       | 42   | THRESHOLD PEMKO #2005 V                                 | ALUMINUM  |
| 5                 | LOCK BOX REINFORCEMENT                                                                         | STEEL       | 45   | 95WHA DOOR SWEEP NATIONAL GUARD PRODUCTS, INC.          | ALUMINUM  |
| 6                 | CLOSER REINFORCEMENT                                                                           | STEEL       | 46   | #6 X 3/4" PHILLIPS HEAD SMS                             | STEEL     |
| 8                 | #12-24 x 1/2" SELF TAPPER                                                                      | STEEL       | 53   | U-CHANNEL GLASS STOP                                    | STEEL     |
| 9                 | TUBE ANCHOR                                                                                    | STEEL       | 54   | #8 X 1.25" PFH SMS                                      | STEEL     |
| 10                | #12-24 x 1.0" COMBINATION MACHINE / WOOD SCREW                                                 | STEEL       | 70   | SCHLAGE LOCK SET ASSEMBLY ND53PD                        | STEEL     |
| 11                | DOOR STILE EDGE REINFORCEMENT                                                                  | STEEL       | 71   | DESIGN HARDWARE D1-S SERIES DEADBOLT                    | STEEL     |
| 12                | MULLION Z BRACKET                                                                              | STEEL       | 72   | DESIGN HARDWARE "Z" SERIES ENTRY                        | STEEL     |
| 14                | COLUMBIA ADA THRESHOLD #6510                                                                   | ALUMINUM    | 76   | DESIGN HARDWARE D2-S SERIES DEADBOLT                    | STEEL     |
| 15                | MULLION MIN. (0.056" THK)                                                                      | STEEL       | 77   | DESIGN HARDWARE "X" SERIES ENTRY                        | STEEL     |
| 16                | ANSI LATCH STRIKE                                                                              | STEEL       | 78   | OUTSWING THRESHOLD QOSH BY DLP                          | ALUM/WOOD |
| 17                | DEADBOLT STRIKE                                                                                | STEEL       | 79   | WEATHER-STRIP                                           | FOAM      |
| 19                | DEADBOLT STRIKE REINFORCEMENT                                                                  | STEEL       | 81   | DOW 995 STRUCTURAL SILICONE                             | SILICONE  |
| 20                | WEATHER-STRIP                                                                                  | NEOPRENE    | 82   | GLASS SPACER                                            | ALUM      |
| 21                | 4-1/2" X 4-1/2" X 0.125" TEMPLATE HINGE                                                        | STEEL       | 83   | SILL TUBE ANCHOR                                        | STEEL     |
| 22                | STANDARD (LONG) DOOR HINGE TOP HINGE REINFORCEMENT                                             | STEEL       |      |                                                         |           |



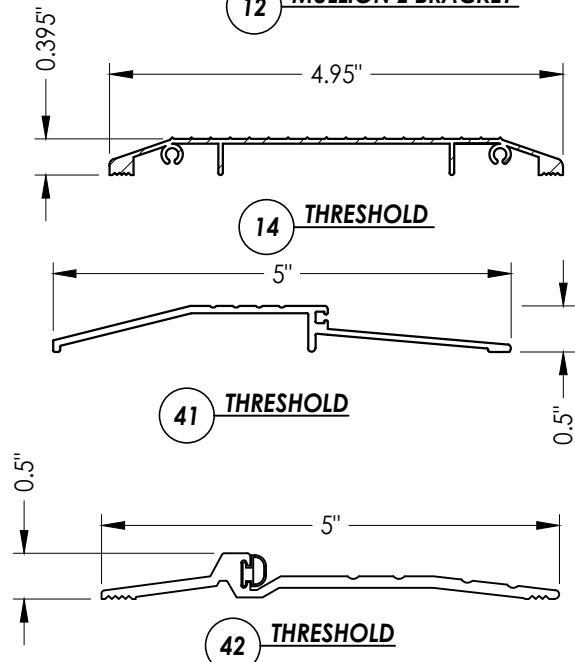
28 FRAME HINGE  
Reinforcement



26 HOLLOW METAL FRAME SILL



15 MULLION



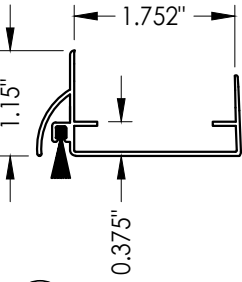
41 THRESHOLD

14 THRESHOLD

12 MULLION Z BRACKET

53 GLASS STOP

45 DOOR SWEEP



|              |            |
|--------------|------------|
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| DRAWING NO.: | FL-41788.6 |
| SHEET        | 9 OF 9     |

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PART OR ASSEMBLY:  
BILL OF MATERIALS  
& COMPONENTS

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