

GLAZED FIBERGLASS DOUBLE DOOR

w/ or w/out SIDELITES

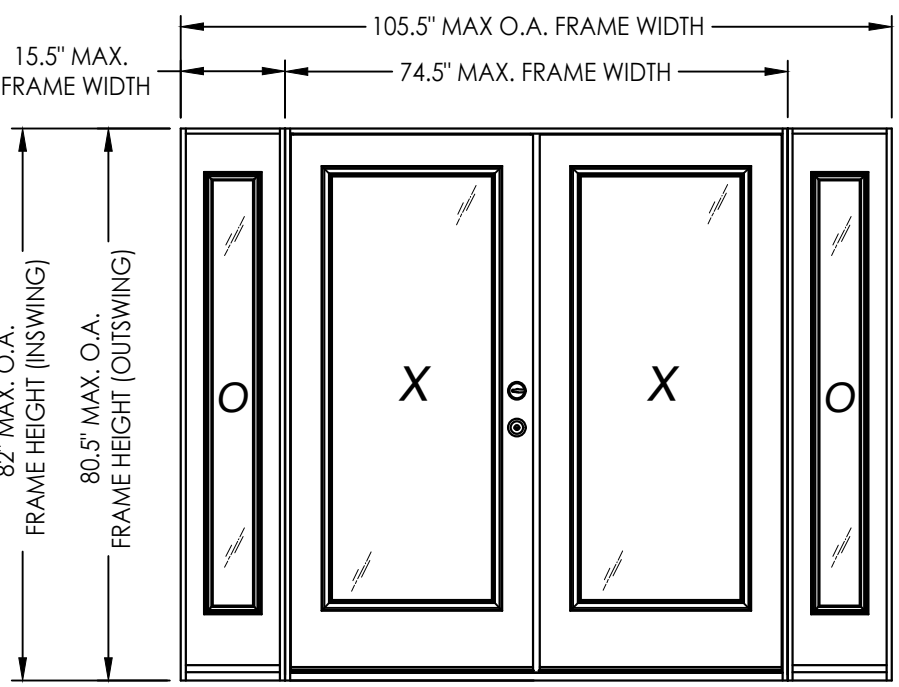
INSWING/OUTSWING

"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection, this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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| CONFIGURATION | ASTRAGAL | DESIGN PRESSURE (PSF)<br>INSWING |          | DESIGN PRESSURE (PSF)<br>OUTSWING |          |
|---------------|----------|----------------------------------|----------|-----------------------------------|----------|
|               |          | POSITIVE                         | NEGATIVE | POSITIVE                          | NEGATIVE |
| XX, OXXO      | STANDARD | +34.0                            | -34.0    | +34.0                             | -34.0    |
| XX, OXXO      | COASTAL  | +40.0                            | -40.0    | +40.0                             | -40.0    |

27

L. F. SCHMIDT

LICENSE

No. 43409

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Digitally signed by Lyndon F Schmidt

Date: 2026.08.08 09:31:48 -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:

THERMA-TRU

FIBERGLASS DOOR

PART OR ASSEMBLY:

TYPICAL ELEVATION, DESIGN

PRESSURES & GENERAL NOTES

DATE:

4/02/20

SCALE:

N.T.S.

DWG. BY:

RW

CHK. BY:

LFS

DRAWING NO.:

FL-23955.15

SHEET

1

OF

14

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REVISIONS

| NO. | DATE    | BY  |
|-----|---------|-----|
| 3   | 7/01/26 | LFS |
| 2   | 8/22/23 | LFS |
| 1   | 8/05/20 | LFS |

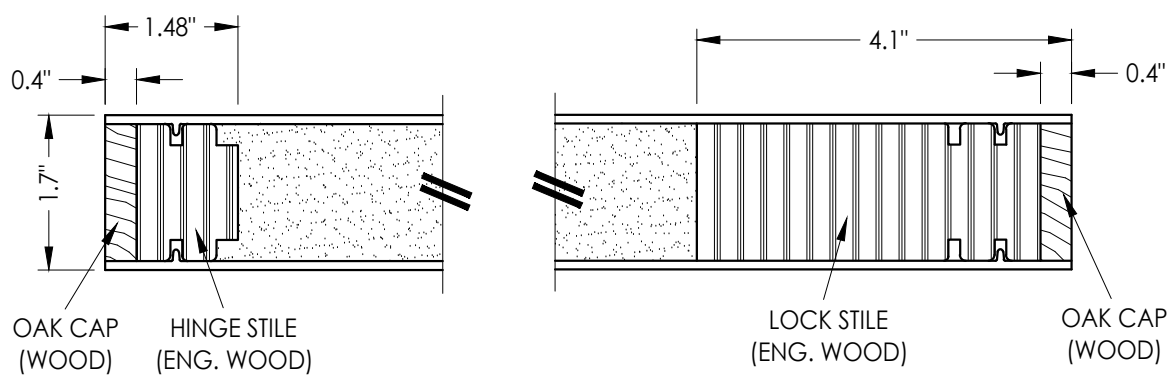
BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

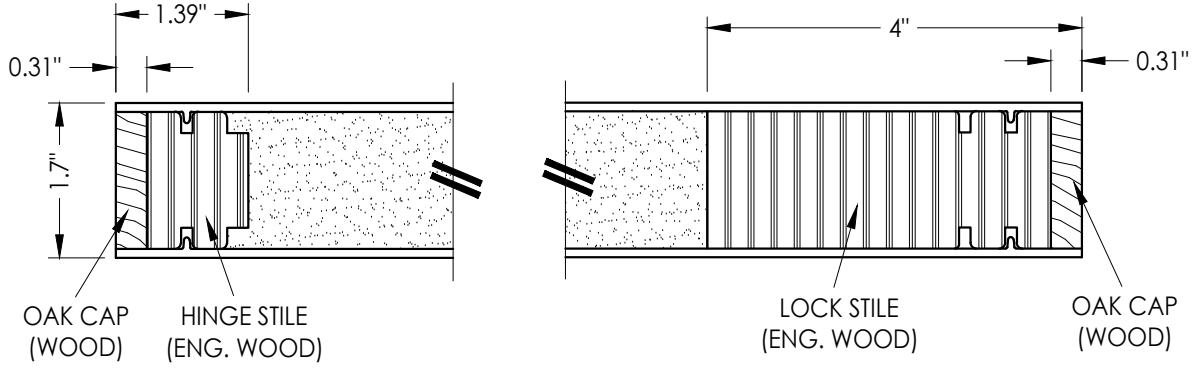
Phone No.: 813.659.9197

FBPE Registry No. 9813

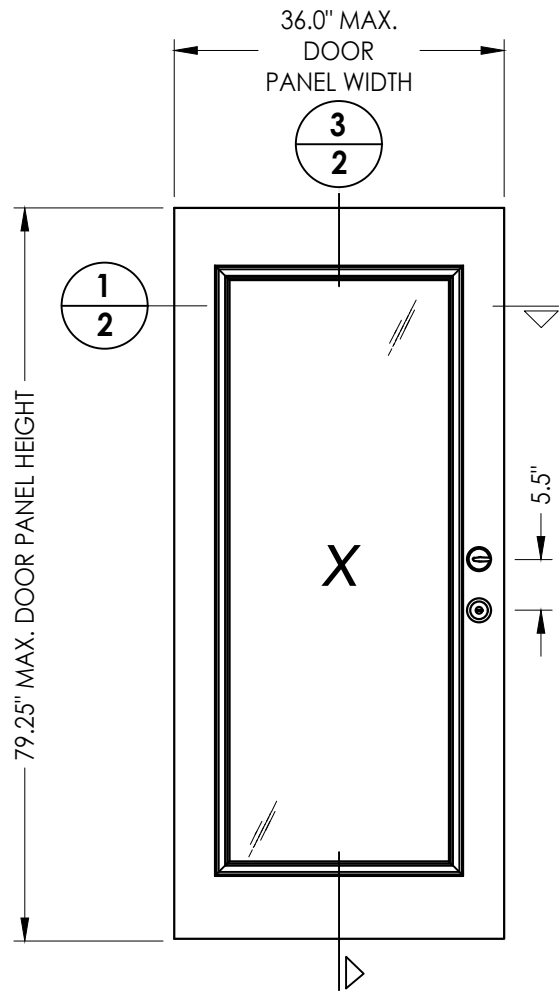
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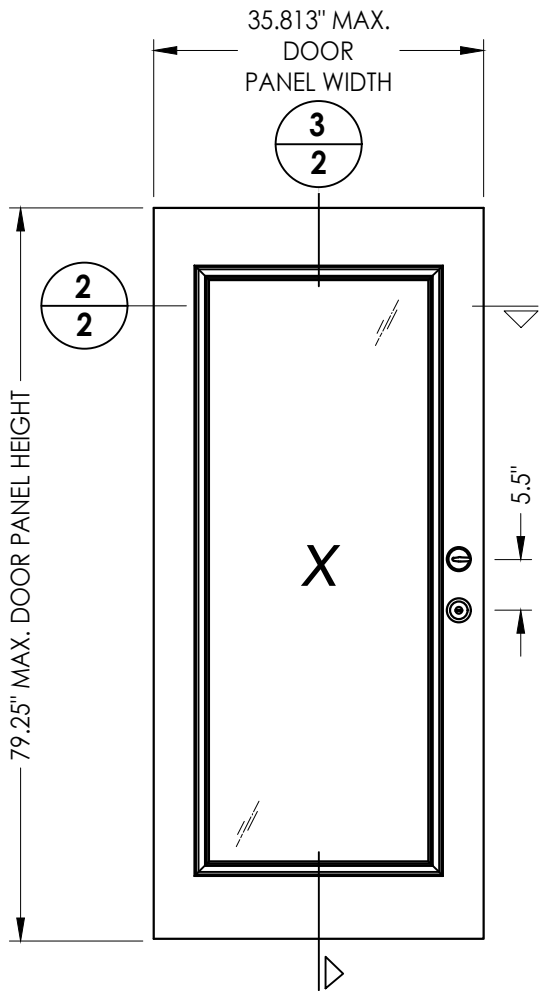
1  
2 HORIZONTAL CROSS SECTION



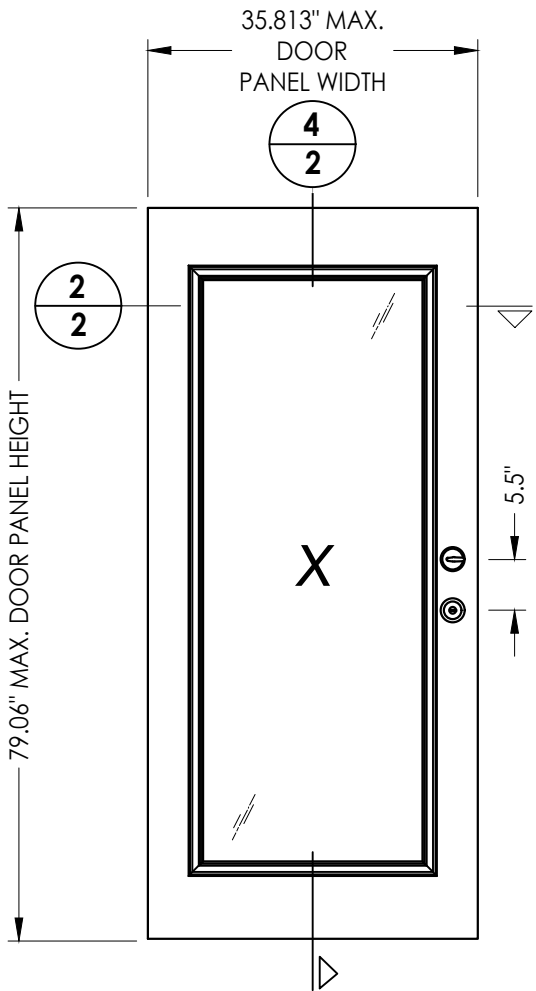
2  
2 HORIZONTAL CROSS SECTION



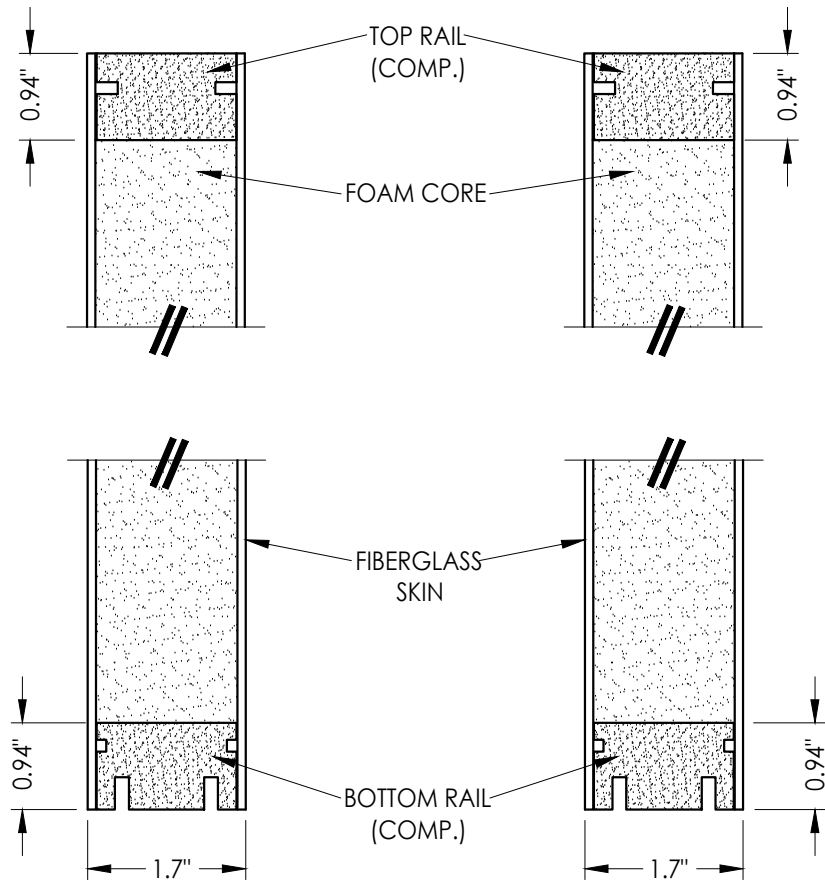
40 DOOR PANEL  
BOOK



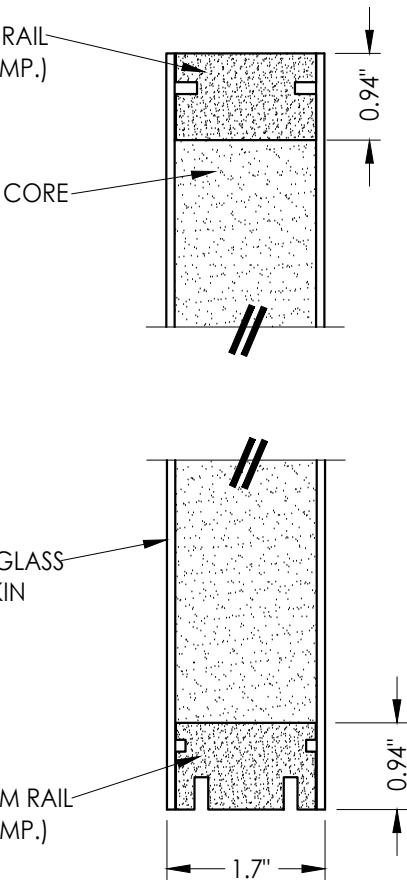
41 DOOR PANEL  
Hybrid Door



42 DOOR PANEL  
U1 Door



3  
2 VERTICAL CROSS SECTION



4  
2 VERTICAL CROSS SECTION

**"Classic-Craft" SERIES DOOR PANEL**

FIBERGLASS DOOR SKIN: 0.095" MIN. THK.

FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)

Documents Prepared By:  
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FBPE Registry No. 9813

PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
DOOR PANEL DETAILS

| NO. | DATE    | REVISIONS                | BY  |
|-----|---------|--------------------------|-----|
| 3   | 7/01/26 | UPDATE TO 9TH ED. (2026) | FBC |
| 2   | 8/22/23 | UPDATE TO 8TH ED. (2023) | FBC |
| 1   | 8/05/20 | UPDATE TO 7th ED (2020)  | FBC |

DATE: 4/02/20

SCALE: N.T.S.

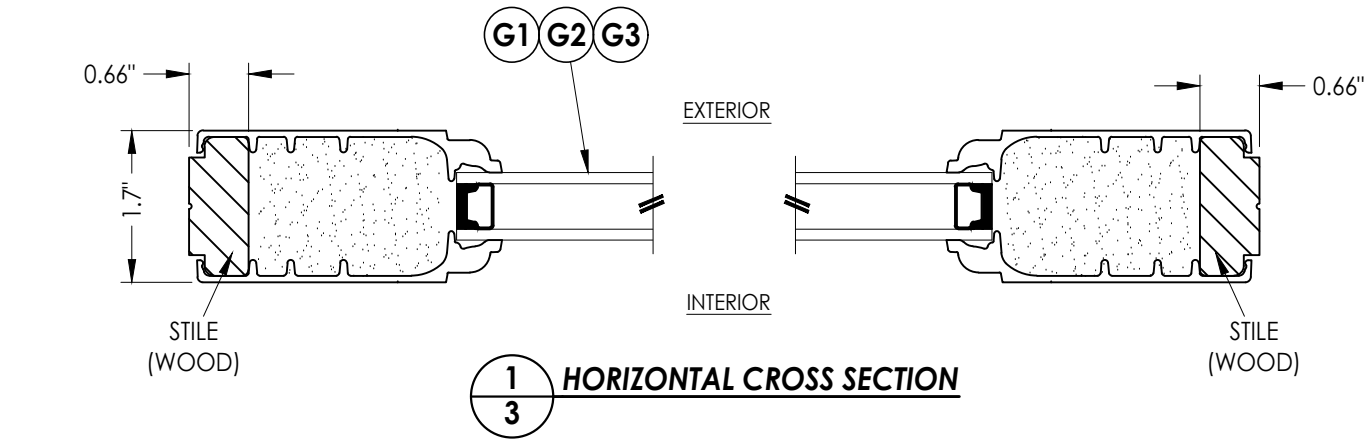
DWG. BY: RW

CHK. BY: LFS

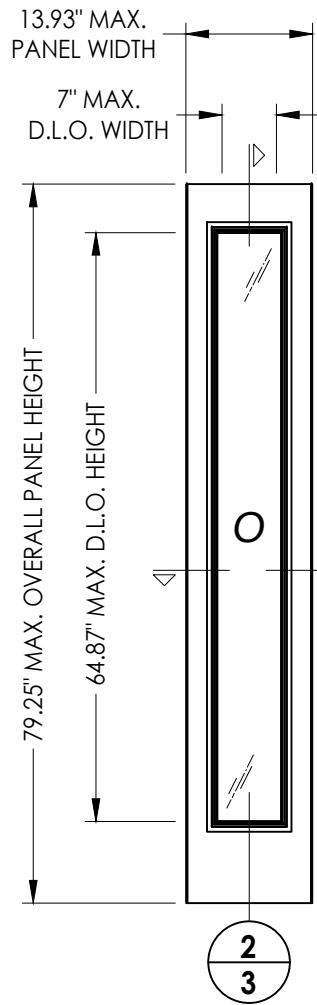
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SHEET 2 OF 14

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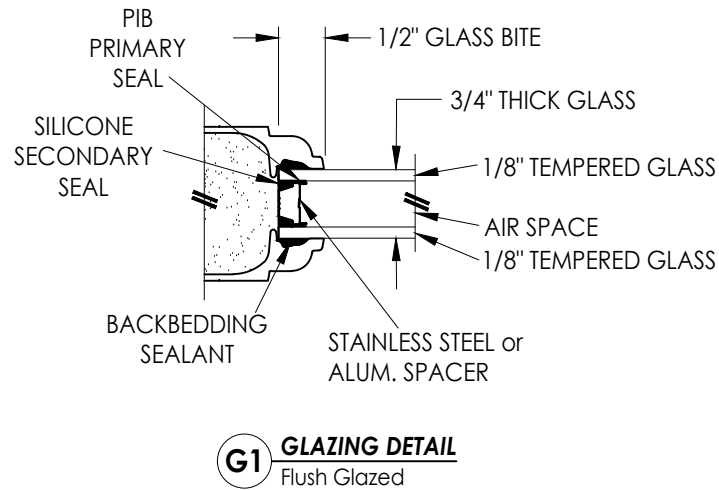
1  
3 **HORIZONTAL CROSS SECTION**



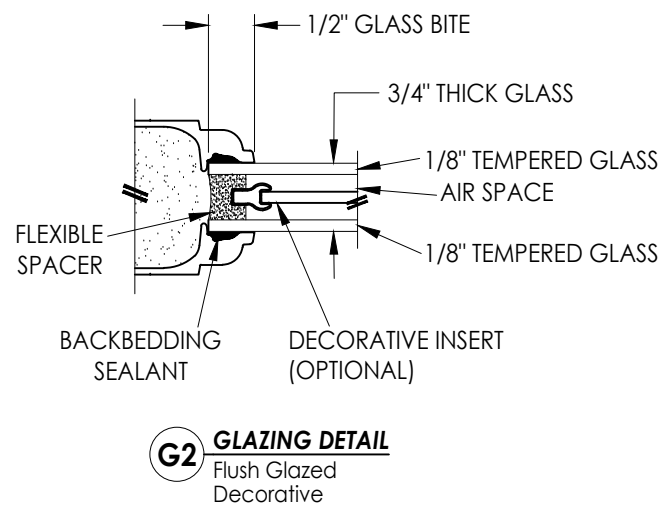
2  
3 **50 SIDELITE PANEL**

**SIDELITE PANEL**

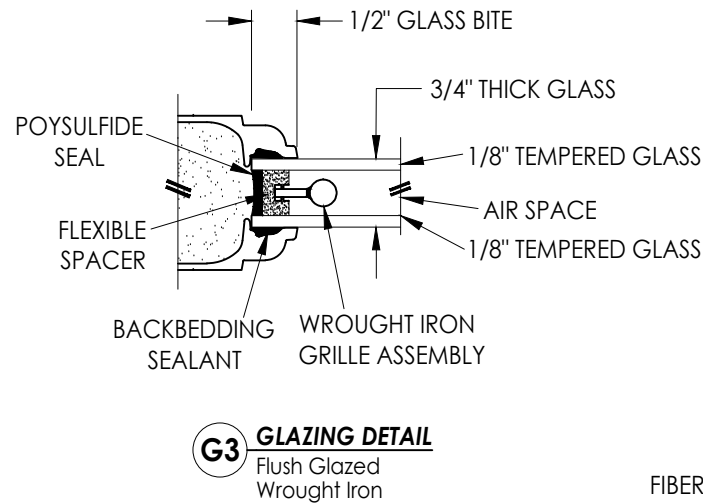
FIBERGLASS SKIN: 0.070" MIN. THK.  
FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)



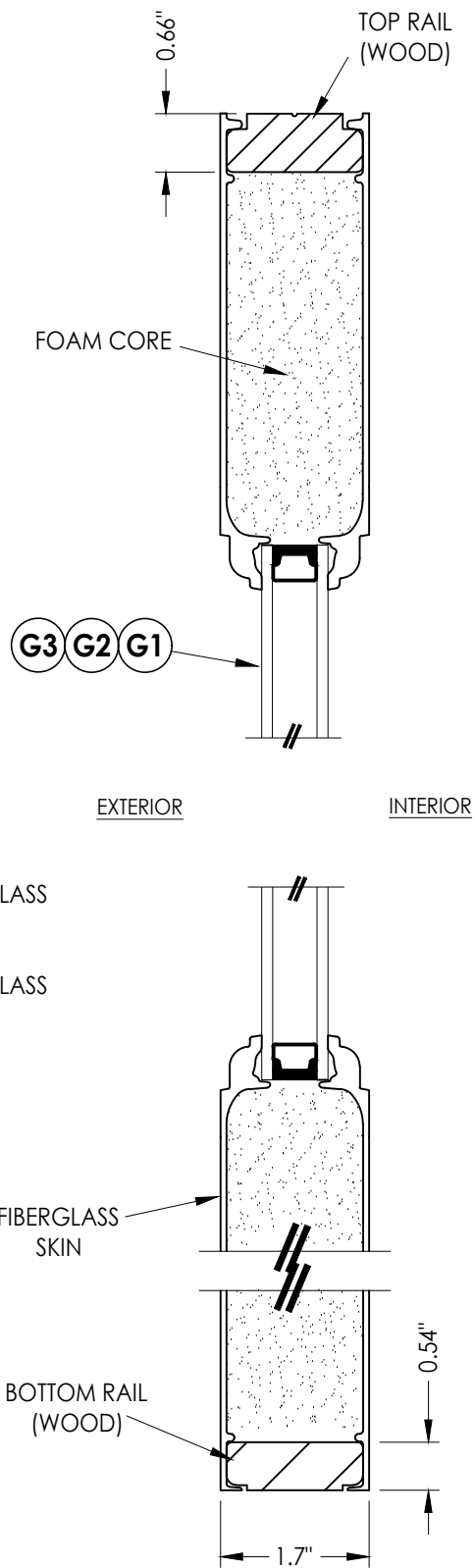
G1 **GLAZING DETAIL**  
Flush Glazed



G2 **GLAZING DETAIL**  
Flush Glazed  
Decorative



G3 **GLAZING DETAIL**  
Flush Glazed  
Wrought Iron



2  
3 **VERTICAL CROSS SECTION**

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FBPE Registry No. 9813

PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
SIDELITE PANEL DETAILS

| NO. | DATE    | BY                       | REVISIONS |
|-----|---------|--------------------------|-----------|
| 3   | 7/01/26 | UPDATE TO 9TH ED. (2026) | FBC LFS   |
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| 1   | 8/05/20 | UPDATE TO 7TH ED. (2020) | FBC LFS   |

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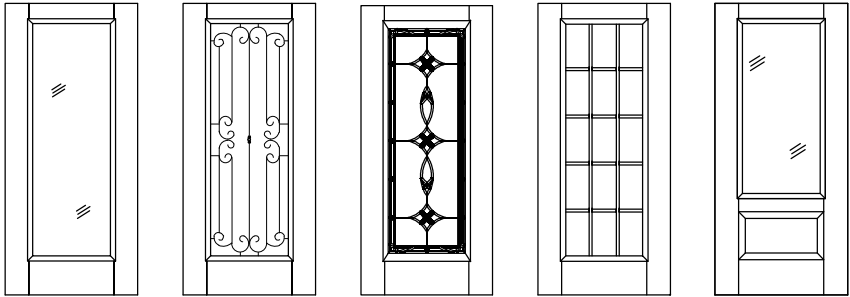
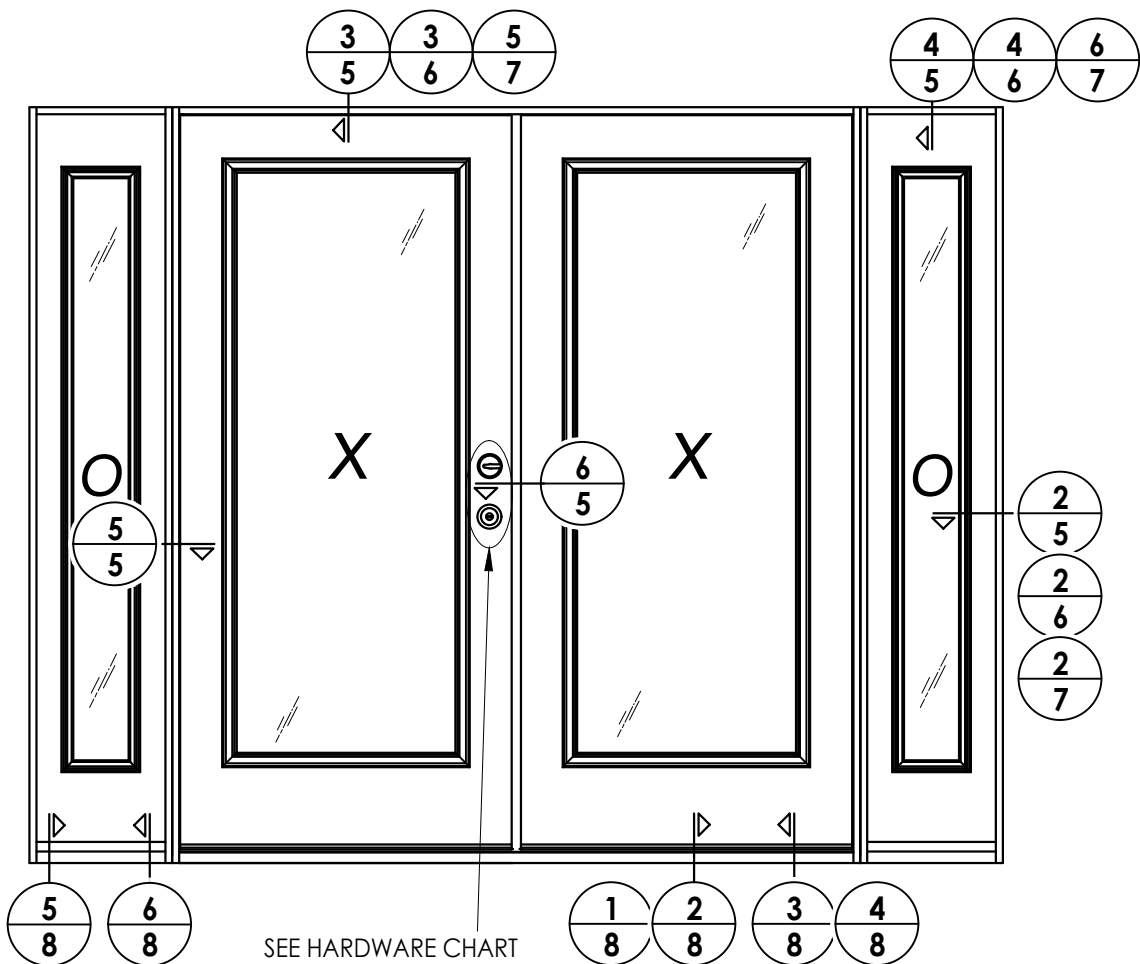
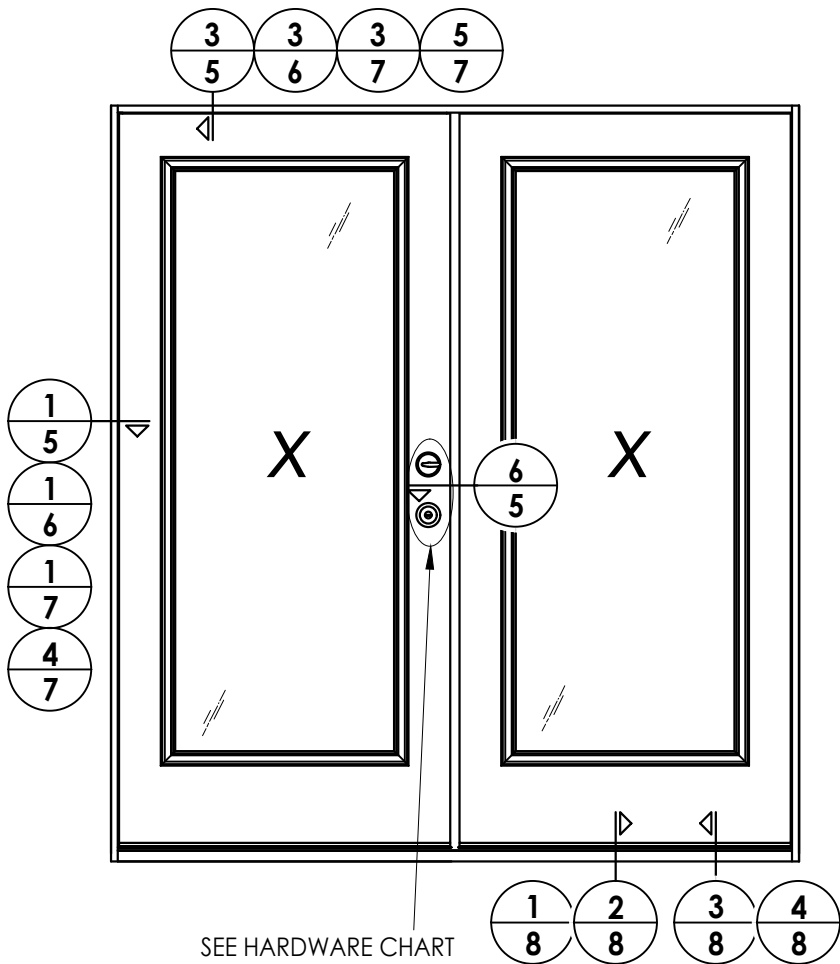
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SHEET 3 OF 14

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**Classic-Craft Door Panel Options**

Products approved include all embossed and recessed panel doors.  
Similar glazed panel configurations are allowed.  
Panels shown are for illustration and are representative only.

| HARDWARE TABLE |                                  |
|----------------|----------------------------------|
| MANUFACTURER   | MODEL                            |
| KWIKSET        | KNOB: SIGNATURE SERIES           |
|                | DEADBOLT: SIGNATURE SERIES (780) |

| REVISIONS |         |
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| 1         | 8/05/20 |
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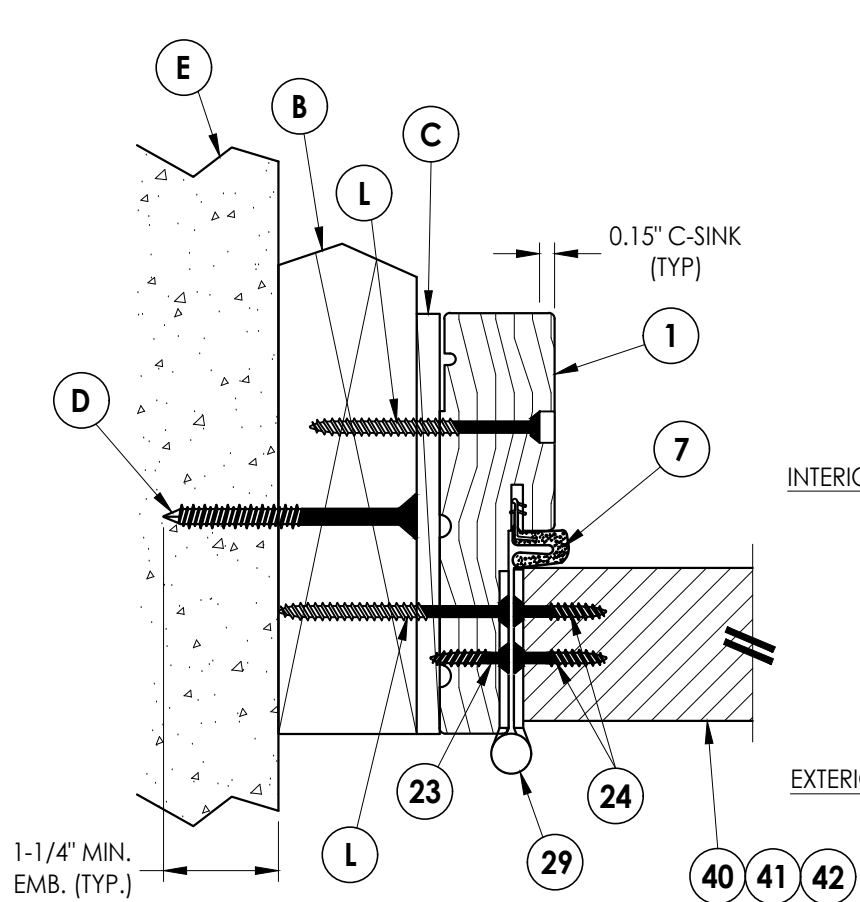
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| DATE:        | 4/02/20     |
| SCALE:       | N.T.S.      |
| DWG. BY:     | RW          |
| CHK. BY:     | LFS         |
| DRAWING NO.: | FL-23955.15 |
| SHEET        | 4 OF 14     |

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

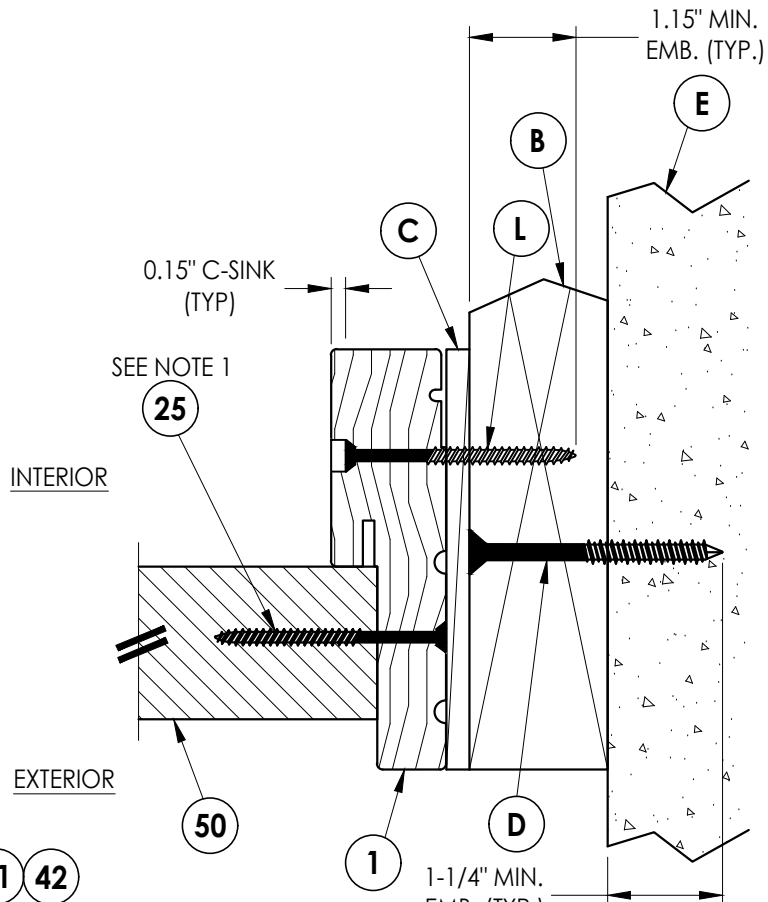
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FBPE Registry No. 9813

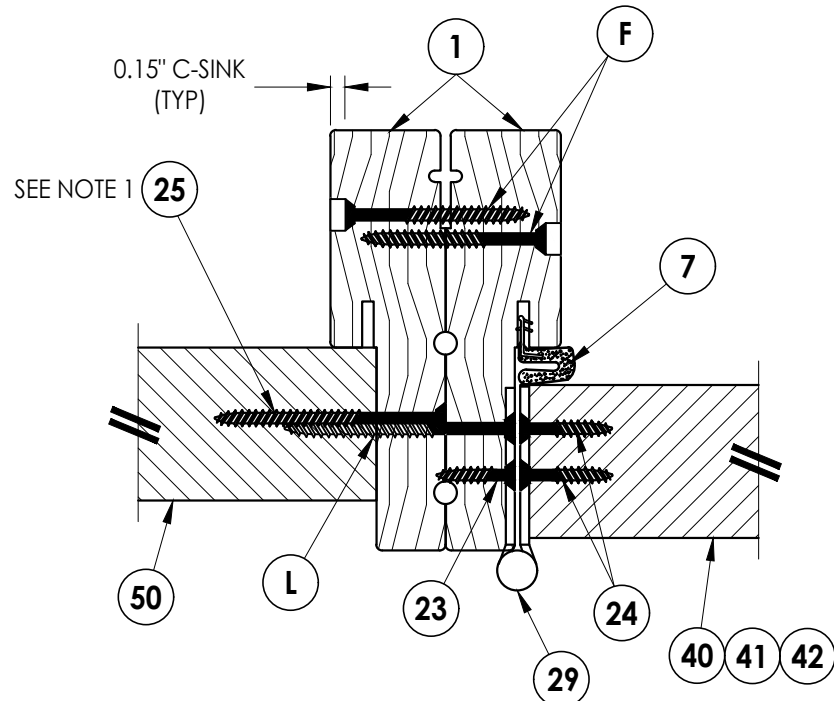
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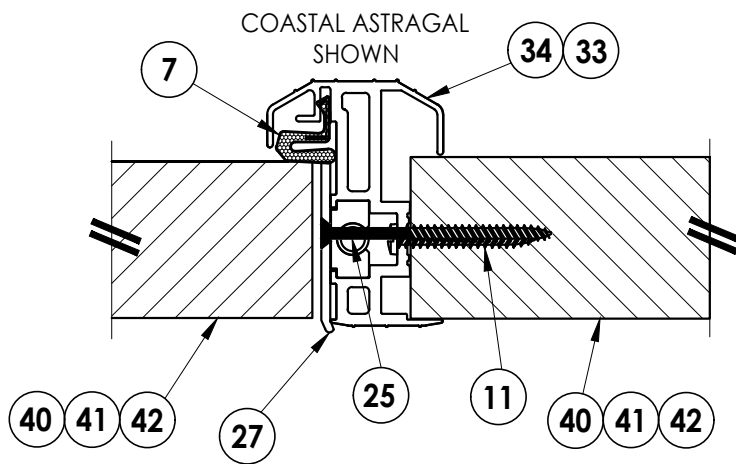
**1** **HORIZONTAL CROSS SECTION**  
**5** Shown w/ 2X Buck  
Outswing shown (Inswing similar)



**2** **HORIZONTAL CROSS SECTION**  
**5** Shown w/ 2X Buck  
Outswing shown (Inswing similar)

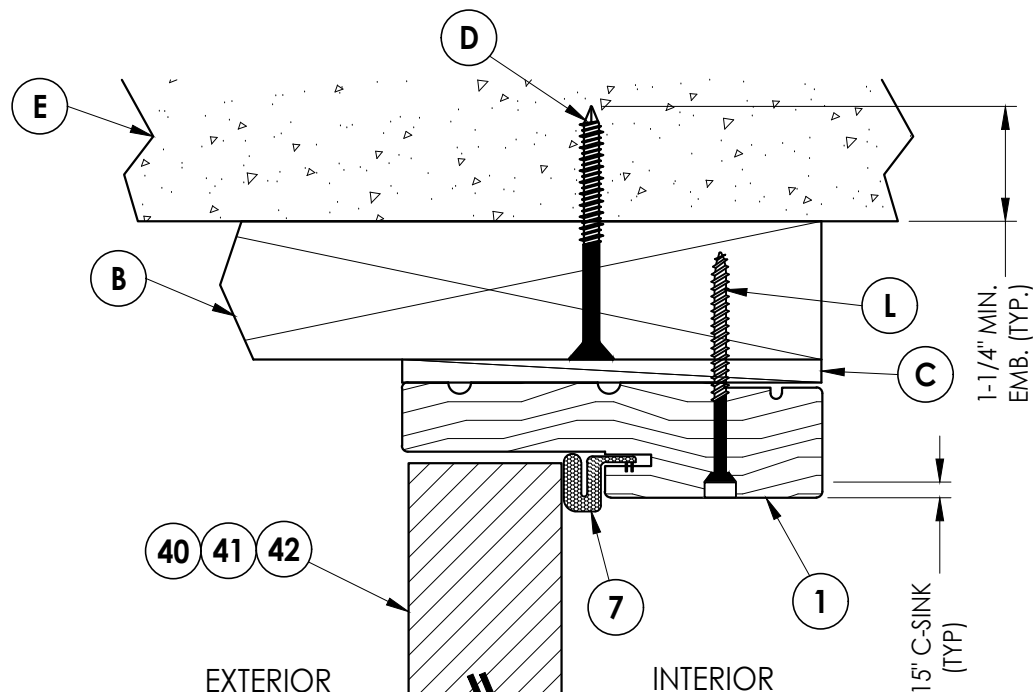


**5** **HORIZONTAL CROSS SECTION**  
**5** Outswing shown (Inswing similar)

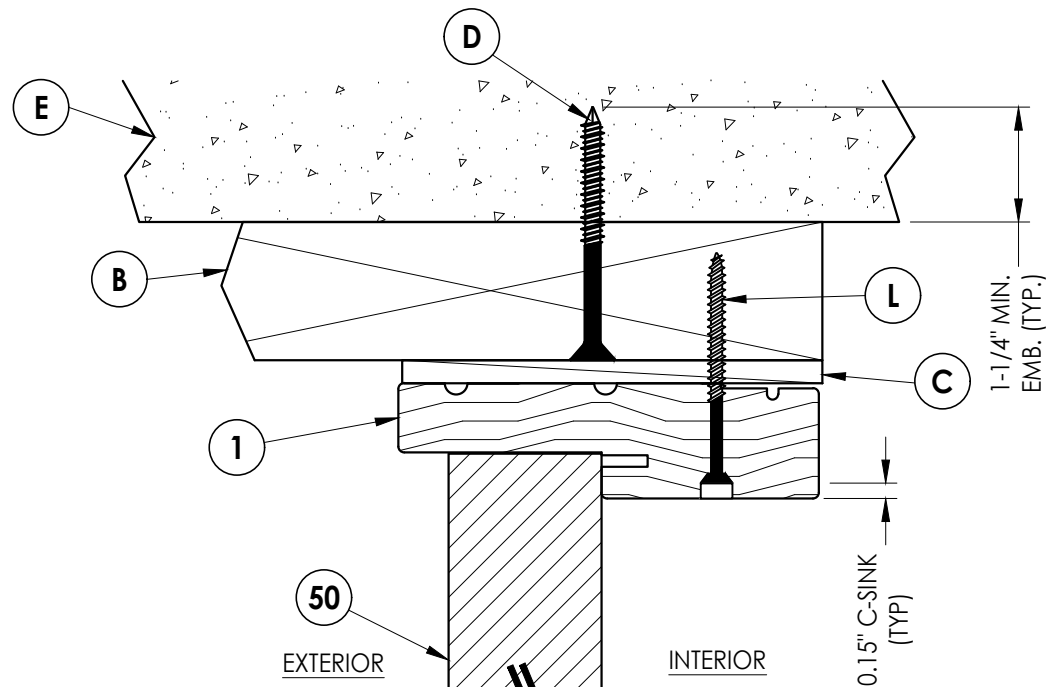


**6** **HORIZONTAL CROSS SECTION**  
**5** Outswing shown (Inswing similar)

Notes:  
1. Sidelite assembly screws located 7" from top and 14" from bottom &  
2 more screws equally spaced between (4 screws total per side jamb).



**3** **VERTICAL CROSS SECTION**  
**5** Shown w/ 2X Buck  
Outswing shown (Inswing similar)



**4** **VERTICAL CROSS SECTION**  
**5** Shown w/ 2X Buck  
Outswing shown (Inswing similar)

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Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

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

| NO. | DATE    | REVISIONS                        |
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| 3   | 7/01/26 | UPDATE TO 9TH ED. (2026) FBC LFS |
| 2   | 8/22/23 | UPDATE TO 8TH ED. (2023) FBC LFS |
| 1   | 8/05/20 | UPDATE TO 7th ED (2020) FBC LFS  |

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DWG. BY: RW

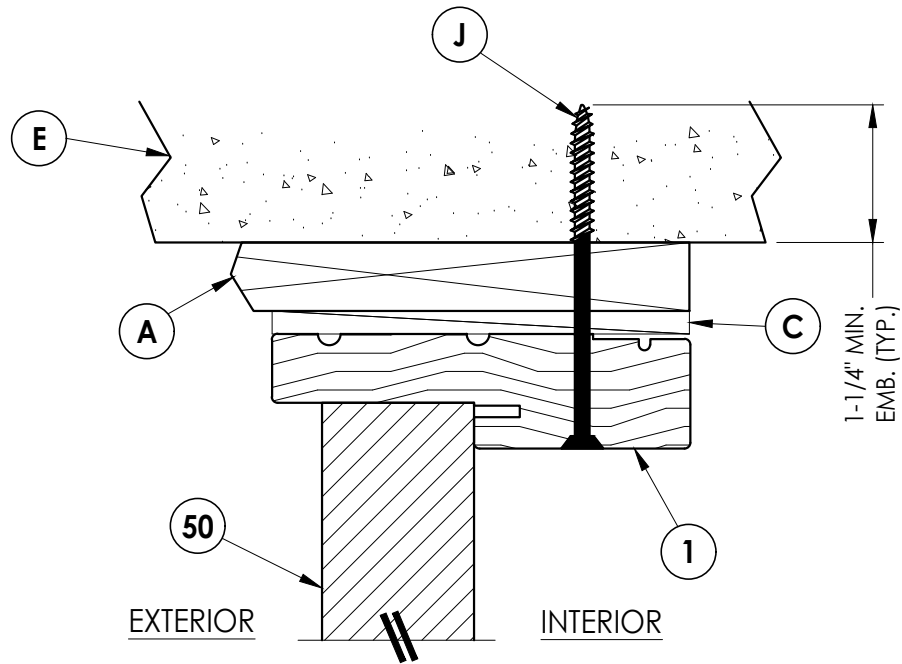
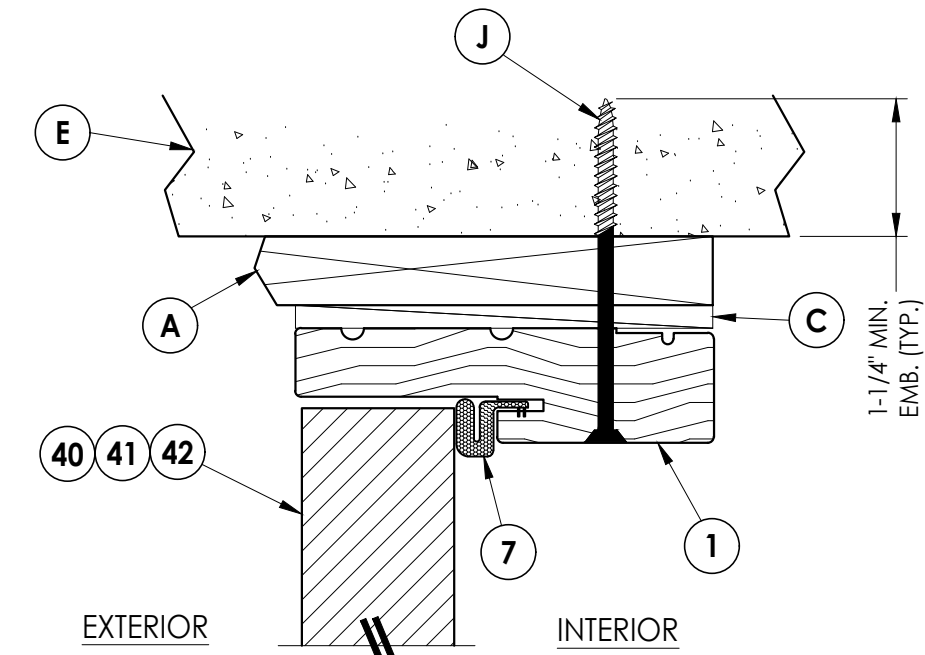
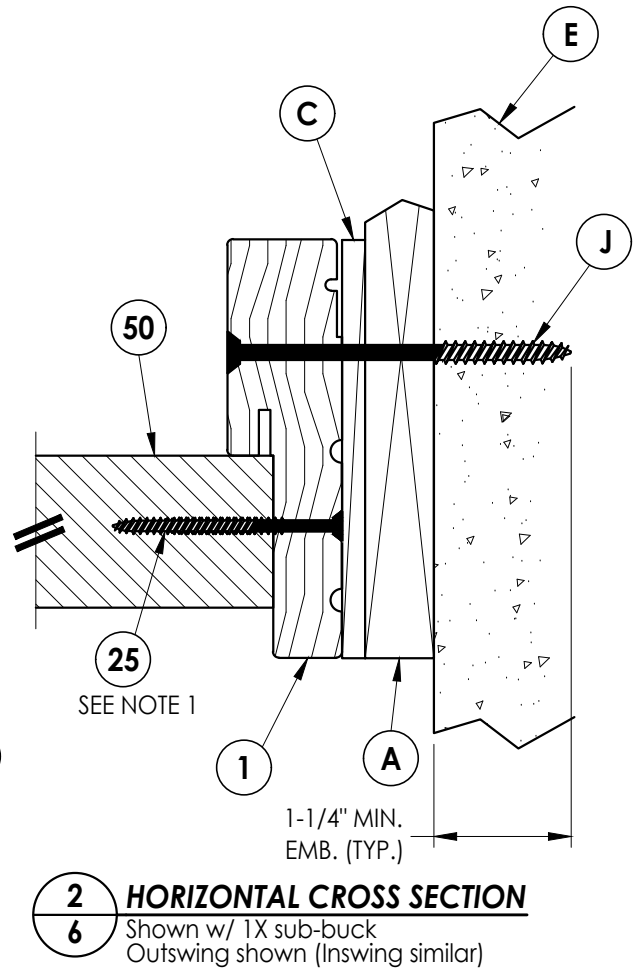
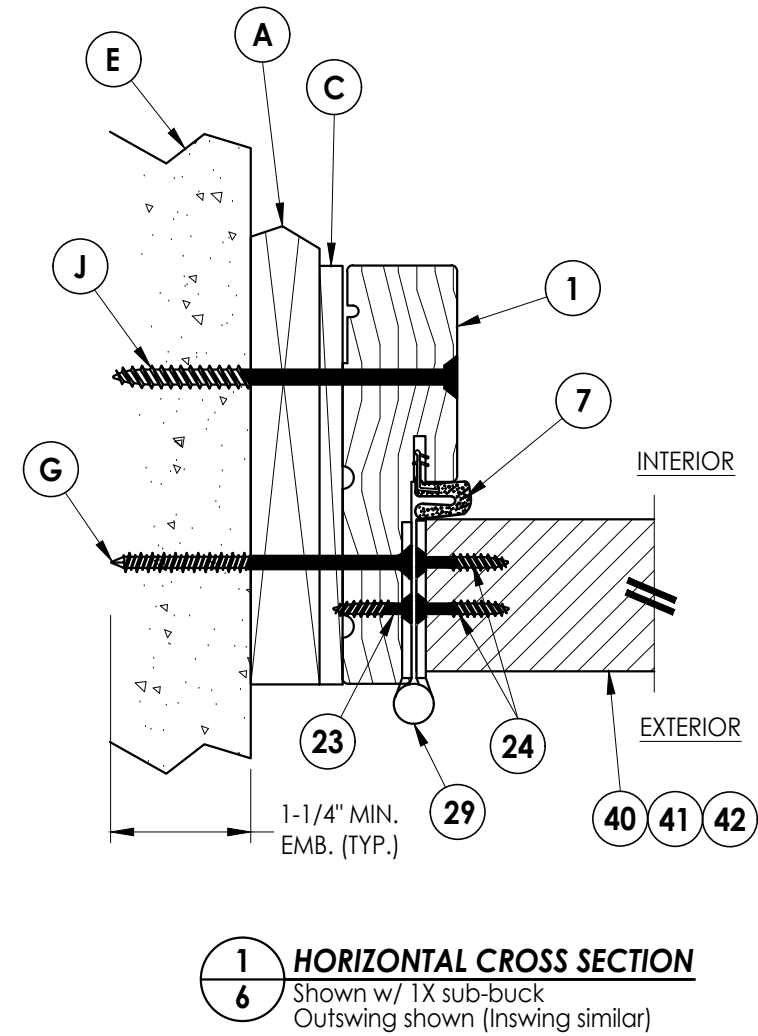
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SHEET 5 OF 14

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- Notes:
- Sidelite assembly screws located 7" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).



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PRODUCT: THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
HORIZONTAL & VERTICAL  
CROSS SECTIONS (1X BUCK)

| REVISIONS |         |                          |         |
|-----------|---------|--------------------------|---------|
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| 2         | 8/22/23 | UPDATE TO 8TH ED. (2023) | FBC LFS |
| 1         | 8/05/20 | UPDATE TO 7th ED (2020)  | FBC LFS |

DATE: 4/02/20

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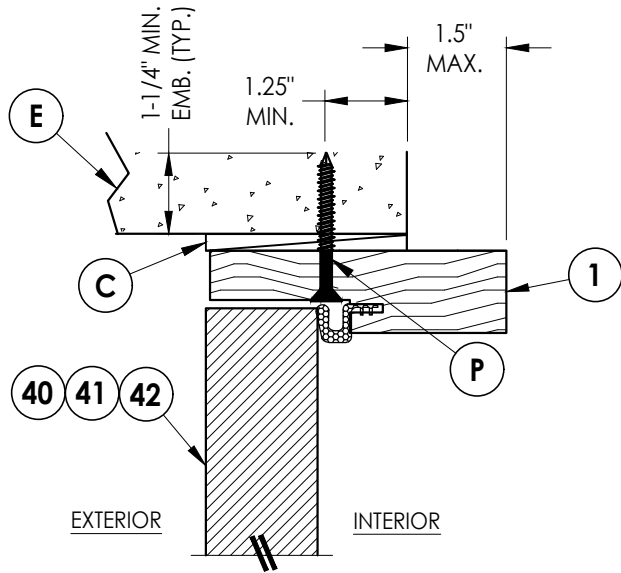
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CHK. BY: LFS

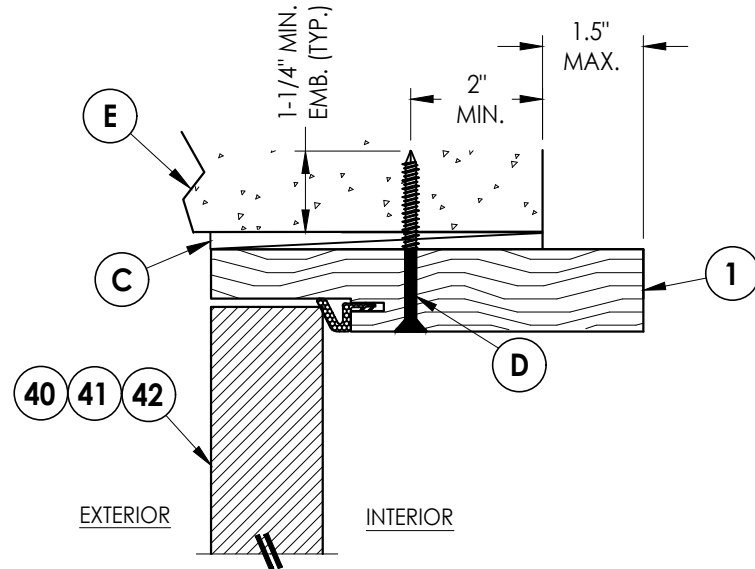
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SHEET 6 OF 14

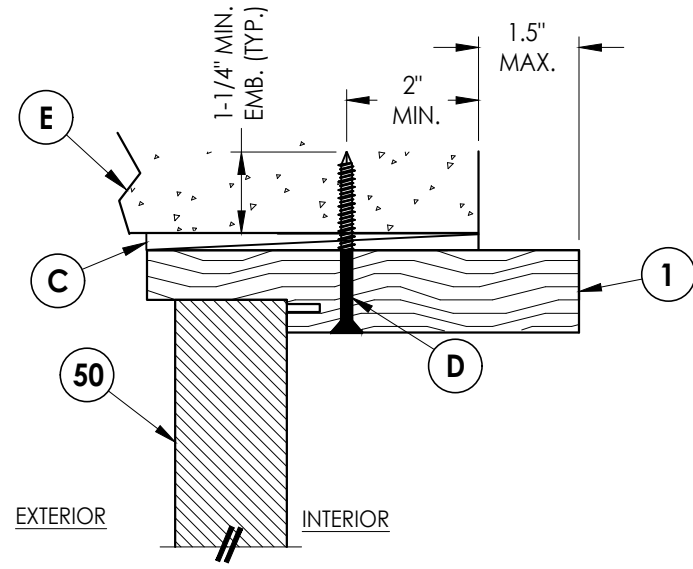
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**3/7 VERTICAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 4-9/16" jamb  
Double Door Only (N/A w/ Sidelites)

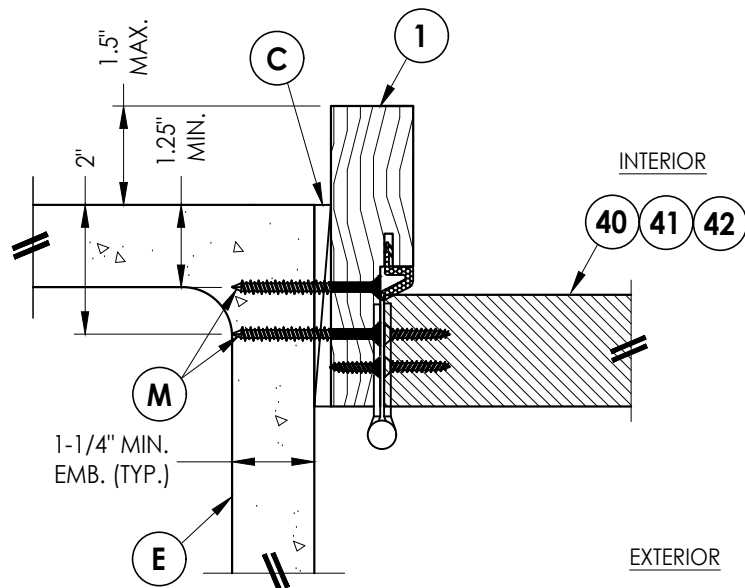


**5/7 VERTICAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 6-9/16" jamb

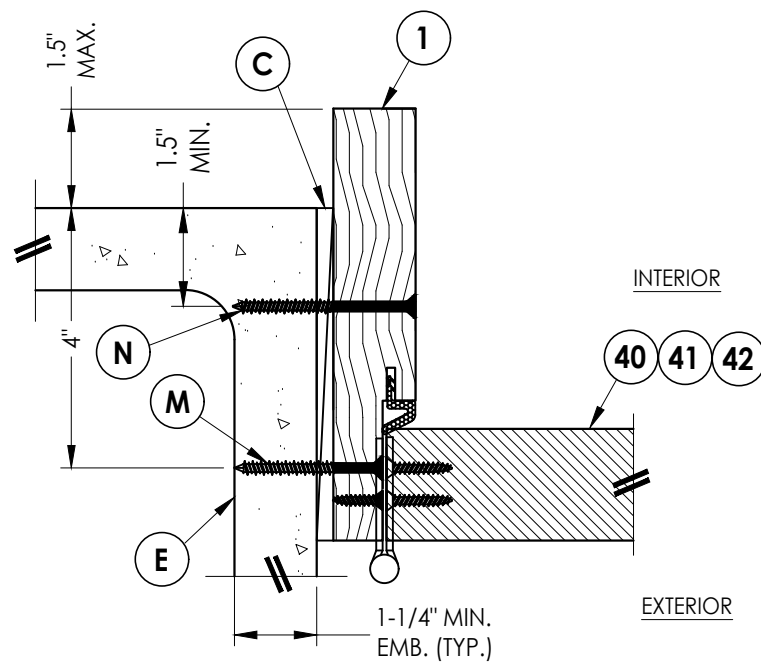


**6/7 VERTICAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 6-9/16" jamb

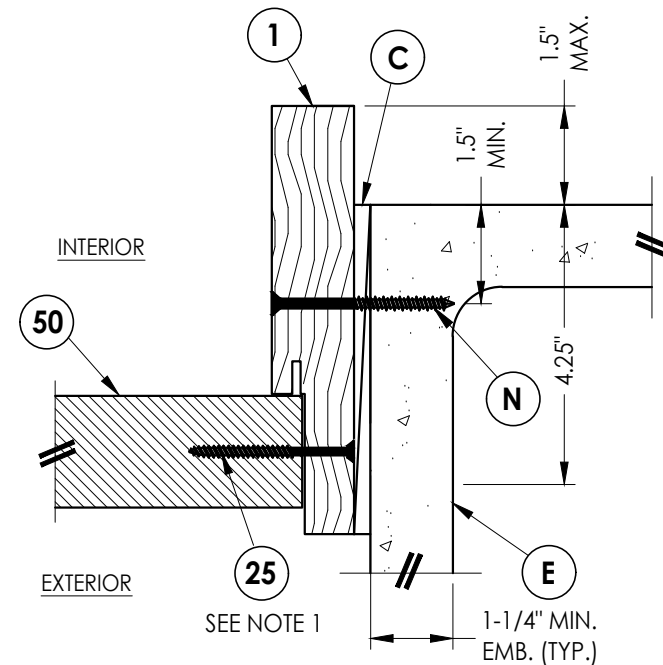
Notes:  
1. Sidelite assembly screws located 7" from top and 14" from bottom &  
2 more screws equally spaced between (4 screws total per side jamb).



**1/7 HORIZONTAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 4-9/16" jamb  
Double Door Only (N/A w/ Sidelites)



**4/7 HORIZONTAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 6-9/16" jamb



**2/7 HORIZONTAL CROSS SECTION**  
Shown Direct to Masonry  
Outswing only w/ 6-9/16" jamb

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P.E. No. 43409

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Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

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

| NO. | DATE    | REVISIONS                        |
|-----|---------|----------------------------------|
| 3   | 7/01/26 | UPDATE TO 9TH ED. (2026) FBC LFS |
| 2   | 8/22/23 | UPDATE TO 8TH ED. (2023) FBC LFS |
| 1   | 8/05/20 | UPDATE TO 7th ED (2020) FBC LFS  |

DATE: 4/02/20

SCALE: N.T.S.

DWG. BY: RW

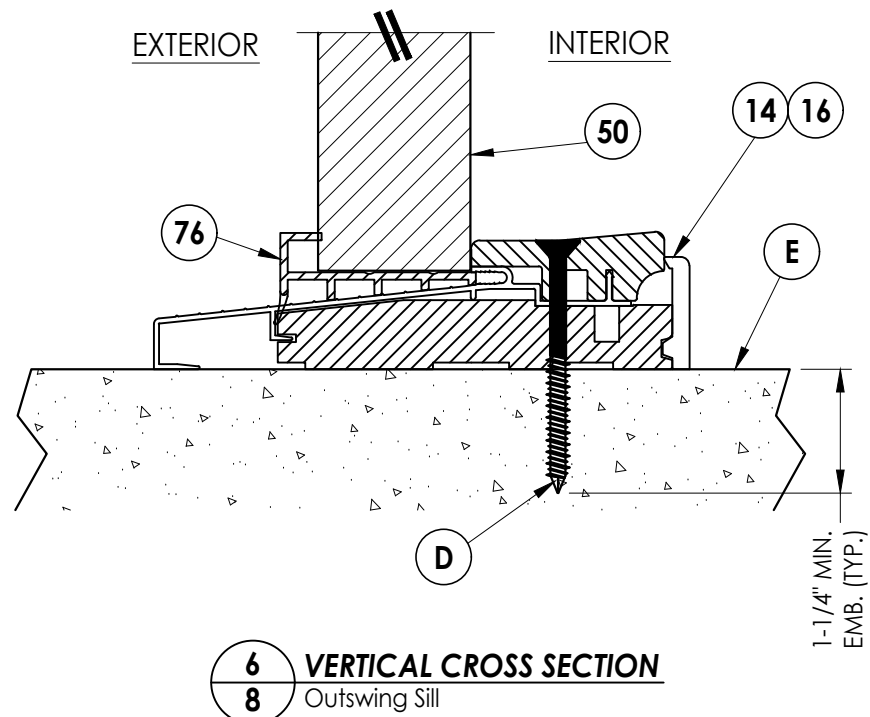
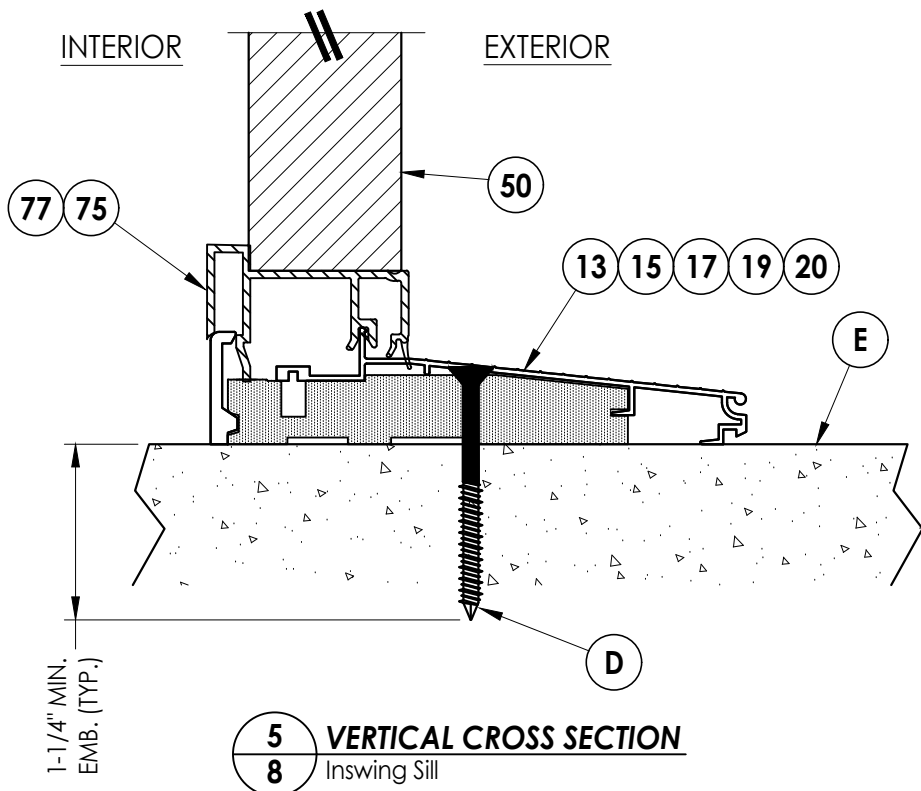
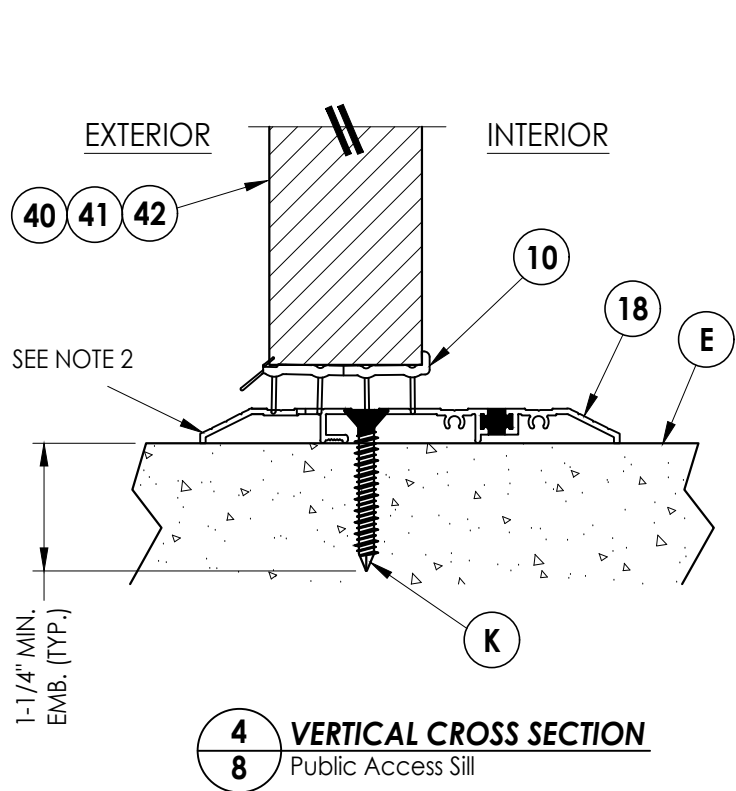
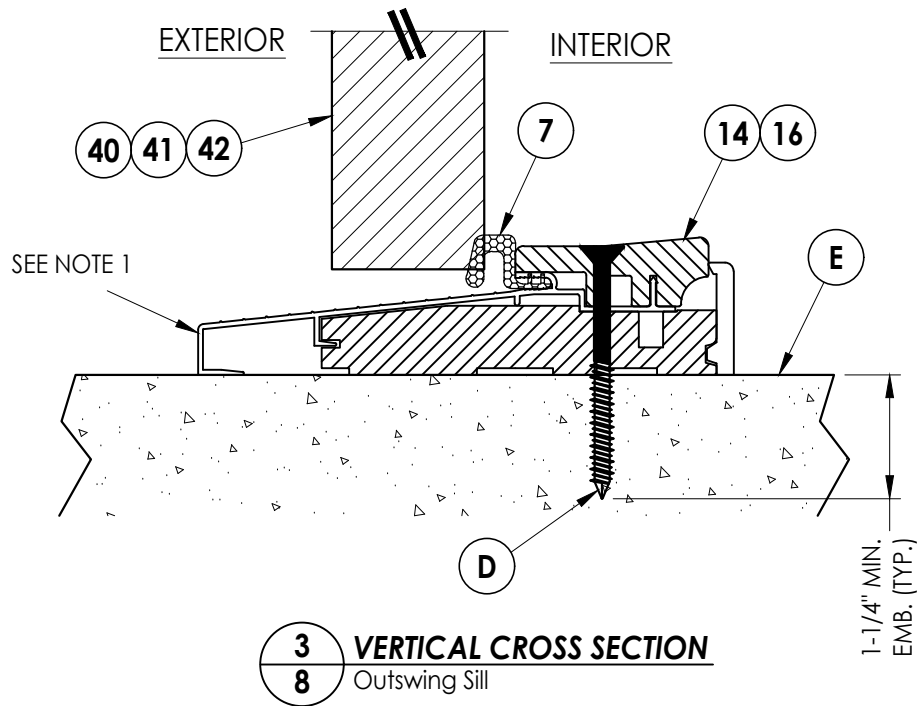
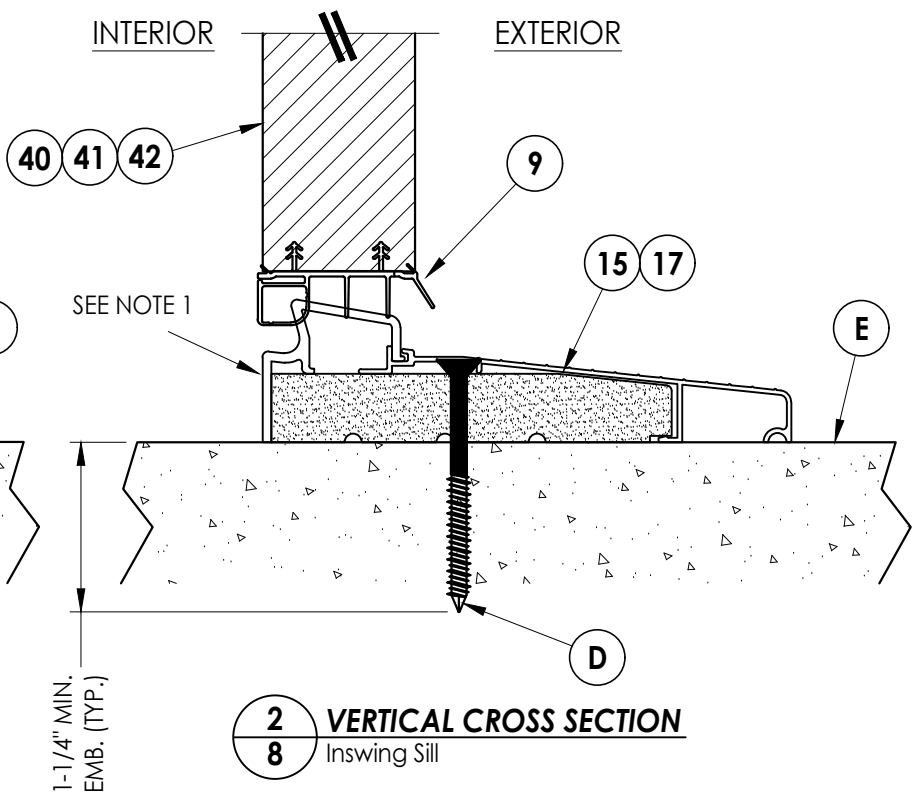
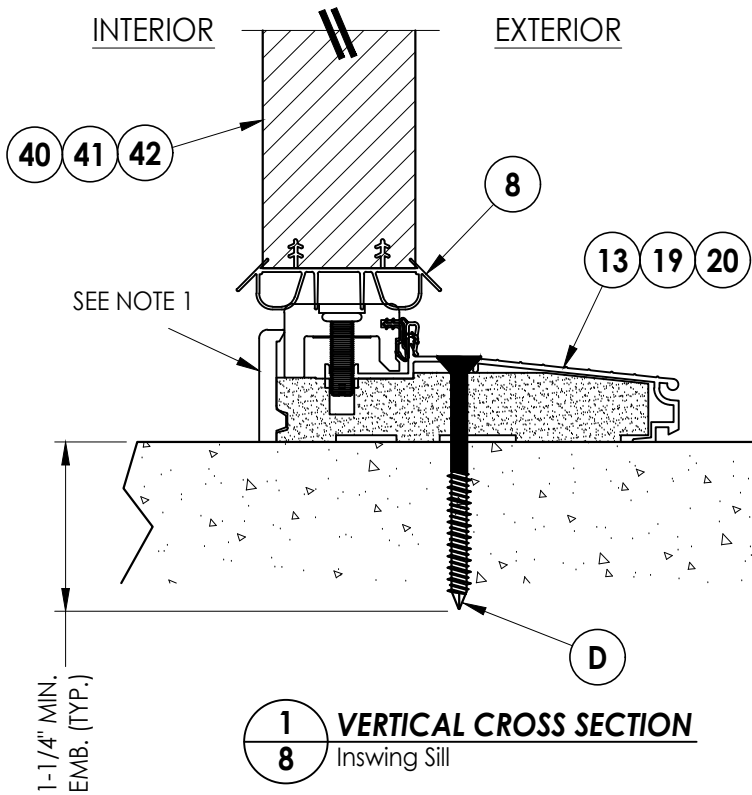
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FL-23955.15

SHEET 7 OF 14

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Note:  
1. Sill Item #'s 13, 16, 17, 19 & 20 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.  
Sill Item #'s 14 & 15 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.  
Sill Item # 18 is attached to jambs utilizing (4) #10 X 1-1/2" pph screws at each end.



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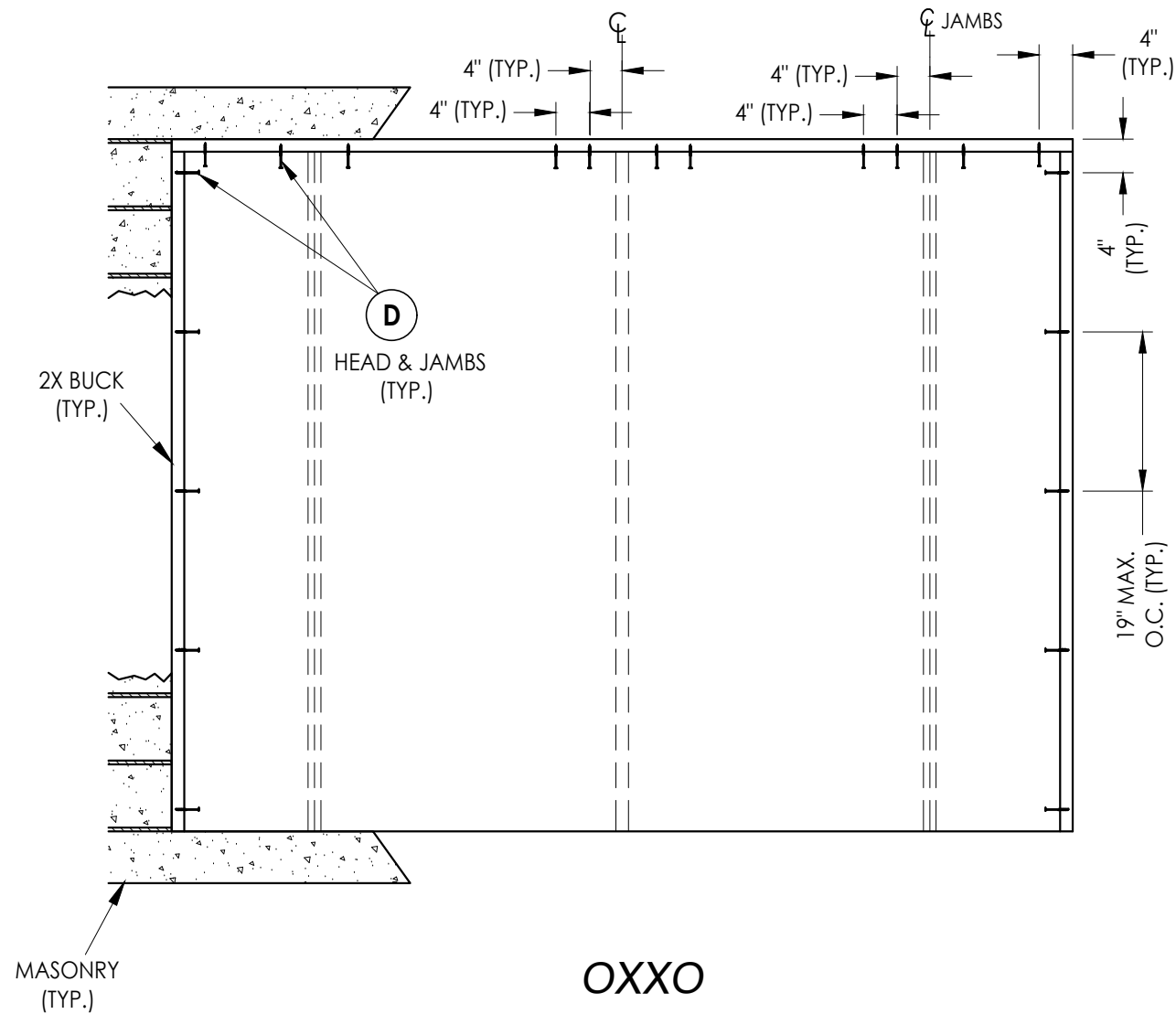
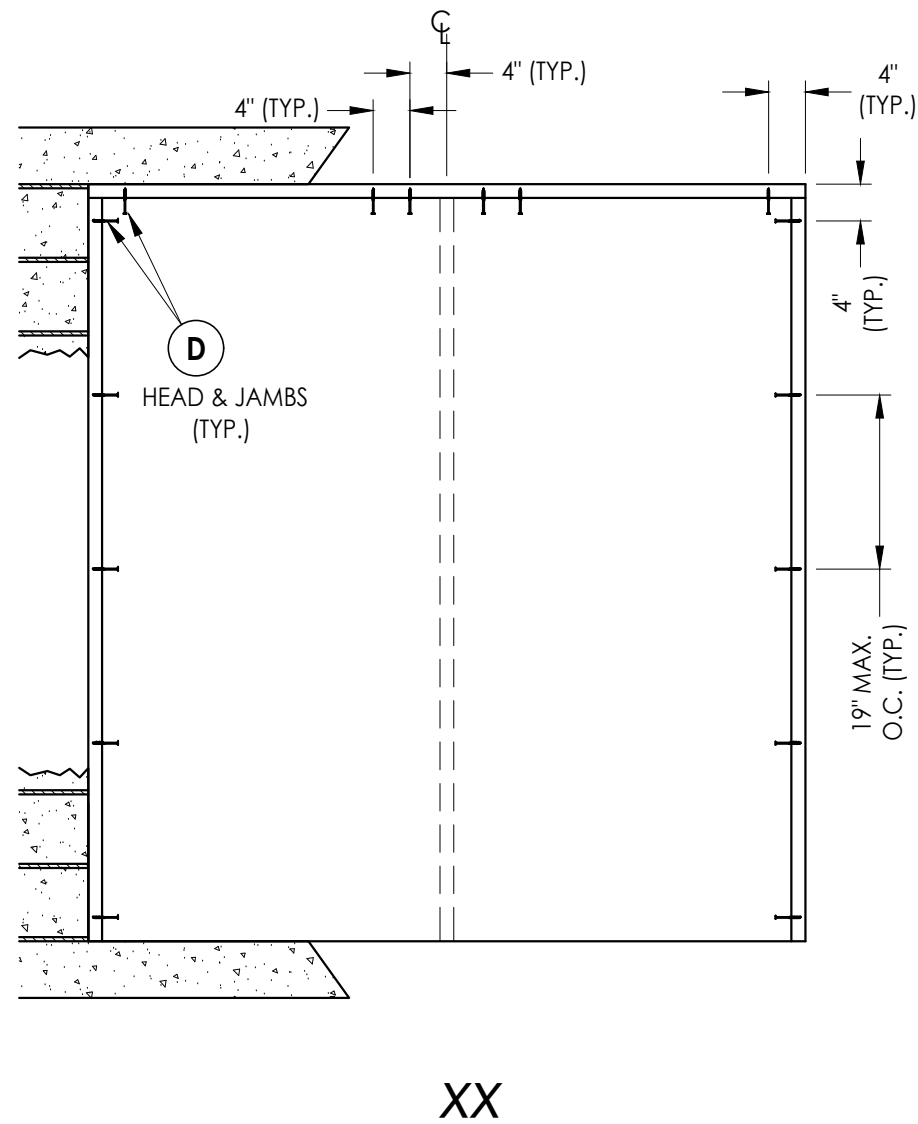
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Phone No.: 813.659.9197  
FBPE Registry No. 9813

PRODUCT:  
THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:  
VERTICAL CROSS  
SECTIONS (THRESHOLDS)

| NO. | DATE    | REVISIONS |      |                              |      |
|-----|---------|-----------|------|------------------------------|------|
|     |         | BY        | DATE | DESCRIPTION                  | DATE |
| 3   | 7/01/26 | LFS       |      | UPDATE TO 9TH ED. (2026) FBC |      |
| 2   | 8/22/23 | LFS       |      | UPDATE TO 8TH ED. (2023) FBC |      |
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SHEET 8 OF 14



## 2X BUCK ANCHORING

[illegible]

|                   |                               |
|-------------------|-------------------------------|
| PRODUCT:          | THERMA-TRU<br>FIBERGLASS DOOR |
| PART OR ASSEMBLY: | BUCK ANCHORING                |

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

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

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## FRAME ANCHORING

|              |             |
|--------------|-------------|
| DATE:        | 4/02/20     |
| SCALE:       | N.T.S.      |
| DWG. BY:     | RW          |
| CHK. BY:     | LFS         |
| DRAWING NO.: | FL-23955.15 |
| SHEET        | 10 OF 14    |

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Phone No.: 813.659.9197  
FBPE Registry No. 9813



Coastal Astragal Strike Plate @ Head



### Standard Astragal Strike Plate @ Head

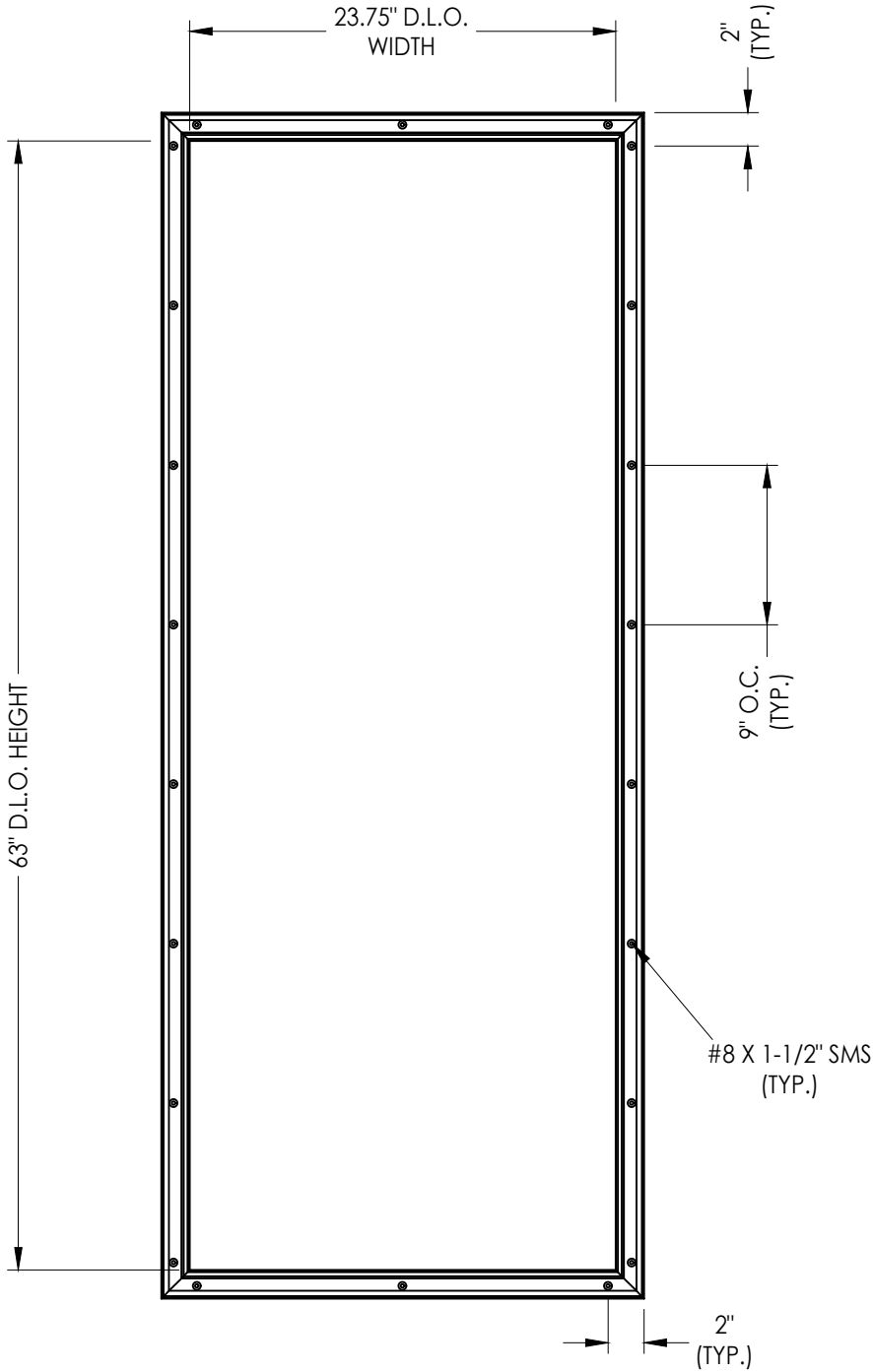


## LATCH & DEADBOLT STRIKE DETAILS

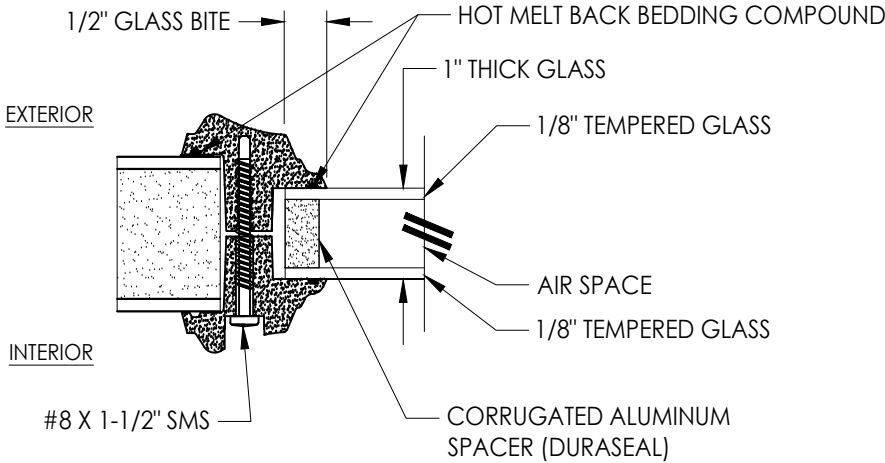


|              |             |
|--------------|-------------|
| DATE:        | 04/02/20    |
| SCALE:       | N.T.S.      |
| DWG. BY:     | RW          |
| CHK. BY:     | LFS         |
| DRAWING NO.: | FL-23955.15 |
| SHEET        | 11 OF 14    |

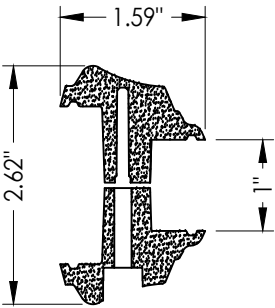
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SMC LITE FRAME



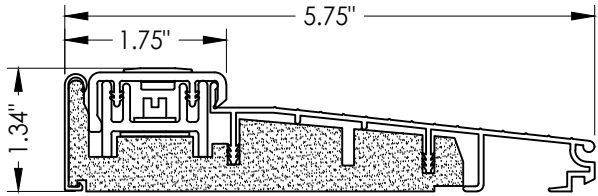
G4 GLAZING DETAIL  
SMC LIP LITE FRAME



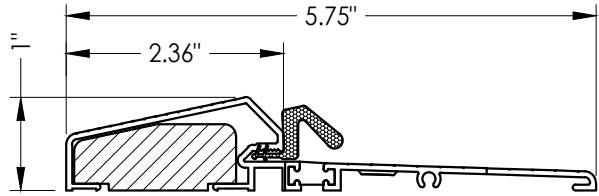
SMC FULL LITE FRAME

|                                                                                                                       |         |                                              |     |
|-----------------------------------------------------------------------------------------------------------------------|---------|----------------------------------------------|-----|
| Documents Prepared By:<br>Lyndon F. Schmidt<br>P.E. No. 43409                                                         |         | PRODUCT:<br>THERMA-TRU<br>FIBERGLASS DOOR    |     |
| RW BUILDING CONSULTANTS, INC.<br>P.O. Box 230, Valrico, FL 33595<br>Phone No.: 813.659.9197<br>FBPE Registry No. 9813 |         | PART OR ASSEMBLY:<br>DOOR<br>GLAZING DETAILS |     |
|                                                                                                                       |         |                                              |     |
|                                                                                                                       |         |                                              |     |
| 3                                                                                                                     | 7/01/26 | UPDATE TO 9TH ED. (2026)                     | FBC |
| 2                                                                                                                     | 8/22/23 | UPDATE TO 8TH ED. (2023)                     | FBC |
| 1                                                                                                                     | 8/05/20 | UPDATE TO 7th ED (2020)                      | FBC |
| NO.                                                                                                                   | DATE    |                                              | BY  |
| REVISIONS                                                                                                             |         |                                              |     |
| DATE: 4/02/20                                                                                                         |         |                                              |     |
| SCALE: N.T.S.                                                                                                         |         |                                              |     |
| DWG. BY: RW                                                                                                           |         |                                              |     |
| CHK. BY: LFS                                                                                                          |         |                                              |     |
| DRAWING NO.: FL-23955.15                                                                                              |         |                                              |     |
| SHEET 12 OF 14                                                                                                        |         |                                              |     |

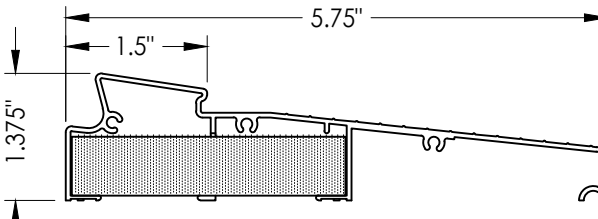
Z:\2023 FBC Drawings\Therma-Tru\FL-23955 R4\FL-23955.13-15.dwg



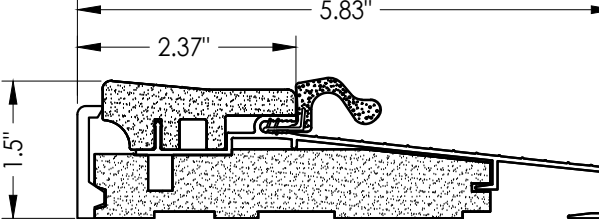
13 **INSWING THRESHOLD**  
Adjustable



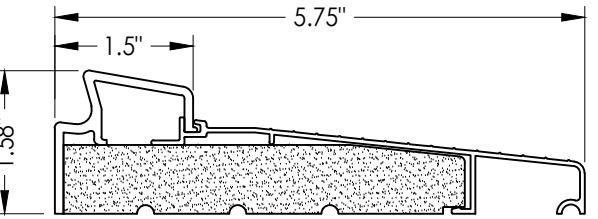
14 **OUTSWING THRESHOLD**



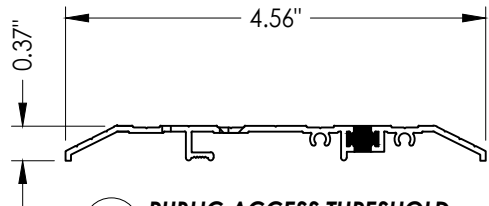
15 **INSWING THRESHOLD**  
Moderate Climate



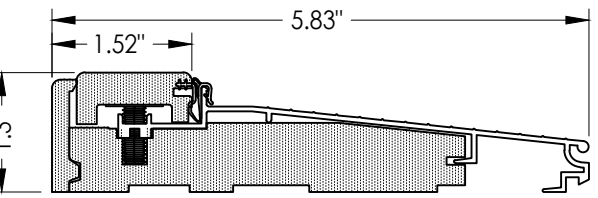
16 **OUTSWING THRESHOLD**



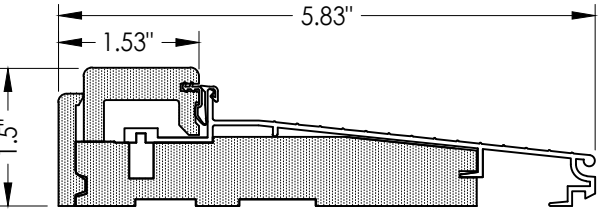
17 **INSWING THRESHOLD**  
Basic Fixed



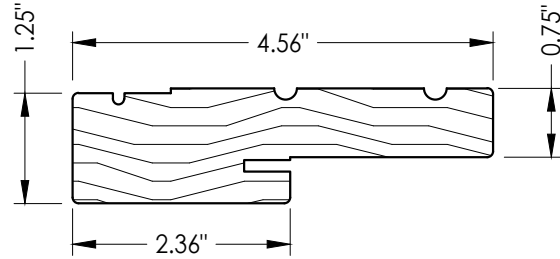
18 **PUBLIC ACCESS THRESHOLD**



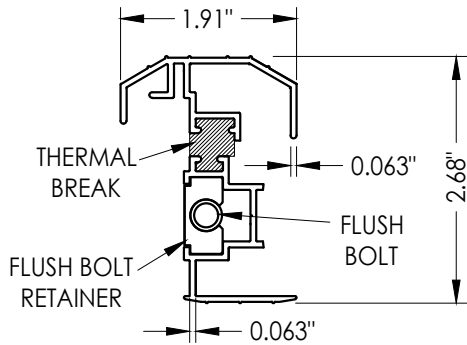
19 **INSWING THRESHOLD**  
Adjustable



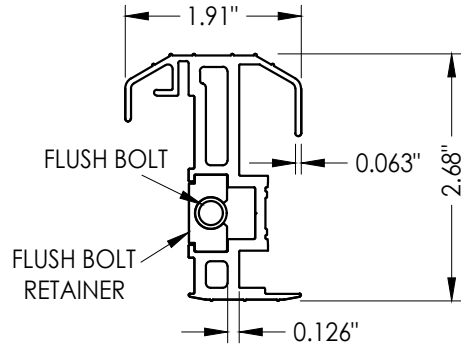
20 **INSWING THRESHOLD**  
Adjustable



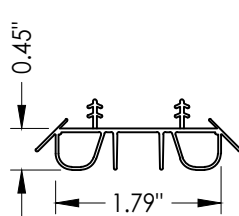
1 **WOOD JAMB**



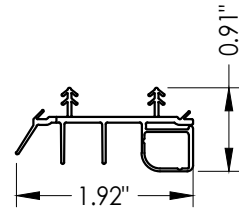
33 **STANDARD ALUMINUM ASTRAGAL**



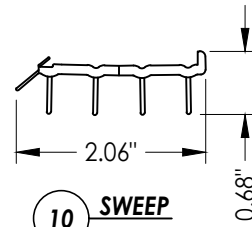
34 **COASTAL ALUMINUM ASTRAGAL**



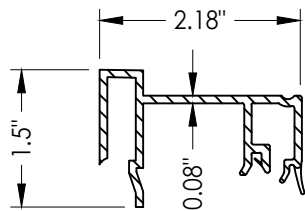
8 **SWEEP**



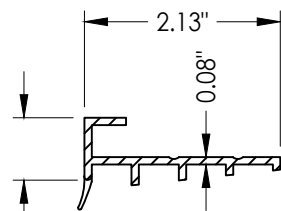
9 **SWEEP**



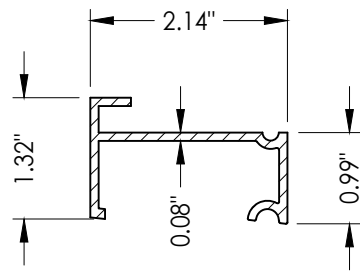
10 **SWEEP**



75 **SIDELITE SPACER**  
Inswing



76 **SIDELITE SPACER**  
Outswing



77 **INSWING SIDELITE**  
Adapter  
Moderate Climate Sill

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:  
THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:

COMPONENTS

| REVISIONS |         | NO.                      | DATE | BY  |
|-----------|---------|--------------------------|------|-----|
| 3         | 7/01/26 | UPDATE TO 9TH ED. (2026) | FBC  | LFS |
| 2         | 8/22/23 | UPDATE TO 8TH ED. (2023) | FBC  | LFS |
| 1         | 8/05/20 | UPDATE TO 7th ED (2020)  | FBC  | LFS |

DATE: 4/02/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-23955.15

SHEET 13 OF 14

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| BILL OF MATERIALS |                                                                                                |           |
|-------------------|------------------------------------------------------------------------------------------------|-----------|
| ITEM #            | DESCRIPTION                                                                                    | MATERIAL  |
| A                 | 1X BUCK (SG >= 0.42)                                                                           | WOOD      |
| B                 | 2X BUCK (SG >= 0.42)                                                                           | 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                 | #10 X 2" PFH WOOD SCREW                                                                        | STEEL     |
| G                 | 3/16" X 3-1/4" PFH ITW CONCRETE SCREW                                                          | STEEL     |
| J                 | 1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL     |
| K                 | 1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW                                                 | STEEL     |
| L                 | #10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)                                             | STEEL     |
| M                 | 3/16" X 2-1/4" PFH ITW CONCRETE SCREW                                                          | STEEL     |
| P                 | 1/4" X 2-3/4" PFH DeWALT CONCRETE SCREW                                                        | STEEL     |
| 1                 | JAMB (FINGER JOINT PINE)                                                                       | WOOD      |
| 7                 | WEATHERSTRIP                                                                                   | FOAM      |
| 8                 | SWEEP                                                                                          | VINYL     |
| 9                 | SWEEP (USE w/ MODERATE CLIMATE THRESHOLD)                                                      | VINYL     |
| 10                | SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)                                                         | VINYL     |
| 13                | INSWING THRESHOLD                                                                              | ALUM/COMP |
| 14                | OUTSWING THRESHOLD                                                                             | ALUM/COMP |
| 15                | INSWING THRESHOLD                                                                              | ALUM/COMP |
| 16                | OUTSWING THRESHOLD                                                                             | ALUM/COMP |
| 17                | INSWING THRESHOLD                                                                              | ALUM/COMP |
| 18                | PUBLIC ACCESS THRESHOLD                                                                        | ALUM      |
| 19                | INSWING THRESHOLD                                                                              | ALUM/COMP |
| 20                | INSWING THRESHOLD                                                                              | ALUM/COMP |
| 23                | #10 X 3/4" PFH WOOD SCREW                                                                      | STEEL     |
| 24                | #10 X 1" PFH WOOD SCREW                                                                        | STEEL     |
| 25                | #8 X 2-1/2" PFH WOOD SCREW                                                                     | STEEL     |
| 27                | LATCH STRIKE PLATE                                                                             | STEEL     |
| 28                | DEADBOLT STRIKE PLATE                                                                          | STEEL     |
| 29                | 4" X 4" HINGE                                                                                  | STEEL     |
| 30                | 1/2" X 1" X 25 GA. CORRUGATED FASTENER                                                         | STEEL     |
| 33                | STANDARD ALUMINUM ASTRAGAL                                                                     | ALUM      |
| 34                | COASTAL ALUMINUM ASTRAGAL                                                                      | ALUM      |
| 40                | DOOR PANEL (BOOK DOOR)                                                                         | -         |
| 41                | DOOR PANEL (HYBRID DOOR)                                                                       | -         |
| 42                | DOOR PANEL (U1 DOOR)                                                                           | -         |
| 50                | 14" SIDELITE PANEL                                                                             | -         |
| 75                | SIDELITE SPACER (INSWING)                                                                      | PVC       |
| 76                | SIDELITE SPACER (OUTSWING)                                                                     | PVC       |
| 77                | SIDELITE SPACER (INSWING) - Moderate Climate Sill                                              | PVC       |
| 80                | COASTAL ASTRAGAL STRIKE PLATE                                                                  | STEEL     |
| 81                | STANDARD ASTRAGAL STRIKE PLATE                                                                 | STEEL     |

CORROSION RESISTANCE - SALTWATER ENVIRONMENT

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

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 ULTRAICON+® | 1/4"        | 1-1/4"         | 1"                             | 4"                                |
| ITW TAPCON®        | 3/16"       | 1-1/4"         | AS SHOWN                       | 1-1/2"                            |

WOOD SCREW INSTALLATION NOTES:

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

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

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PRODUCT:

THERMA-TRU  
FIBERGLASS DOOR

PART OR ASSEMBLY:

BILL OF MATERIALS

REVISIONS

DATE: 4/02/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:  
FL-23955.15

SHEET 14 OF 14