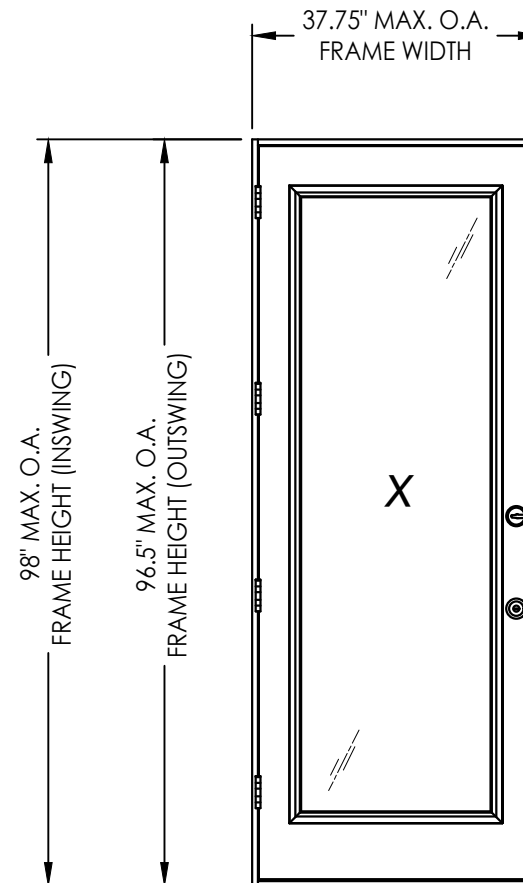


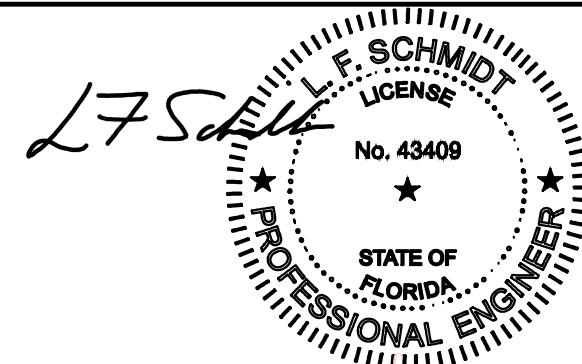
GENERAL NOTES

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. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
4. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Elevations
4	Horizontal & Vertical Cross Sections (2X Buck)
5	Horizontal & Vertical Cross Sections (1X Buck)
6	Horizontal & Vertical Cross Sections (Direct to Masonry)
7	Vertical Cross Sections (Thresholds)
8	Buck & Frame Anchoring
9	Glazing Details
10	Components
11	Components & Bill of Materials



CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	+57.0	-57.0	+57.0	-57.0



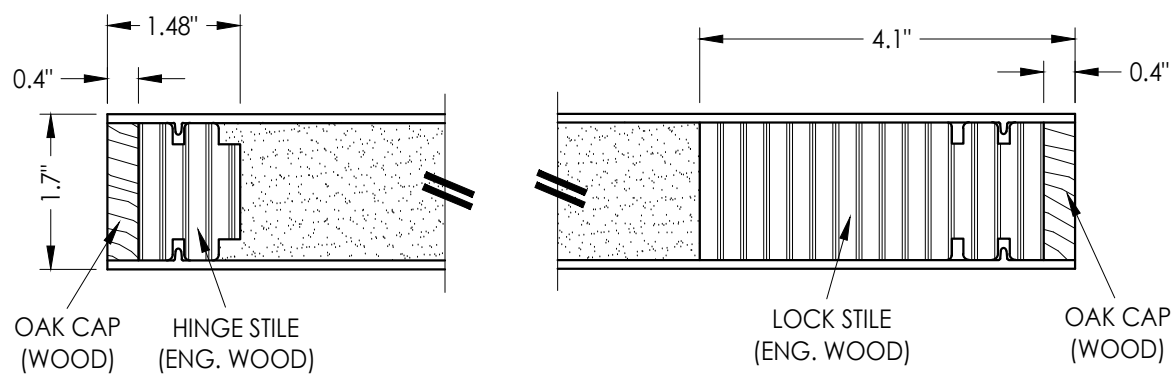
Digitally signed by Lyndon F Schmidt
Date: 2026.08.08 09:29:21 -04'00'

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.

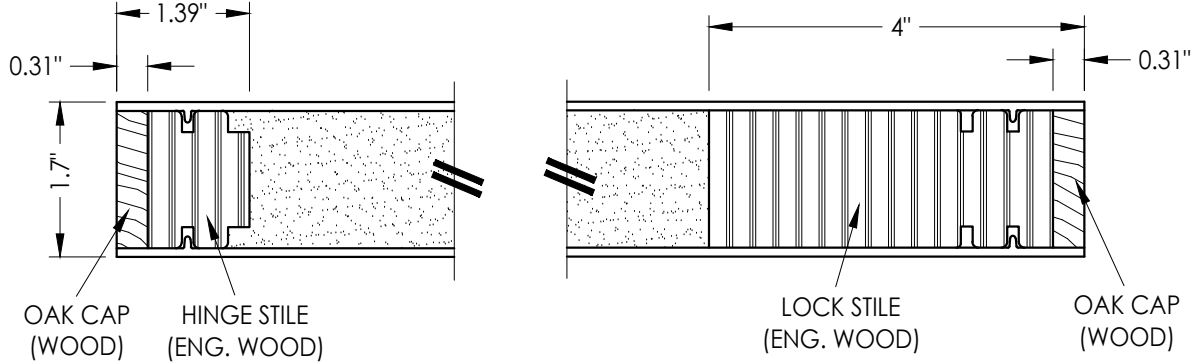
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

DATE: 4/02/20		REVISIONS		PRODUCT: THERMA-TRU FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409 <i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
SCALE: N.T.S.				PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES			
DWG. BY: RW				3 7/01/26 UPDATE TO 9TH ED. (2026) FBC LFS			
CHK. BY: LFS				2 8/22/23 UPDATE TO 8TH ED. (2023) FBC LFS			
DRAWING NO.: FL-23955.16				1 8/05/20 UPDATE TO 7th ED (2020) FBC LFS			
SHEET 1 OF 11		NO. DATE		BY			

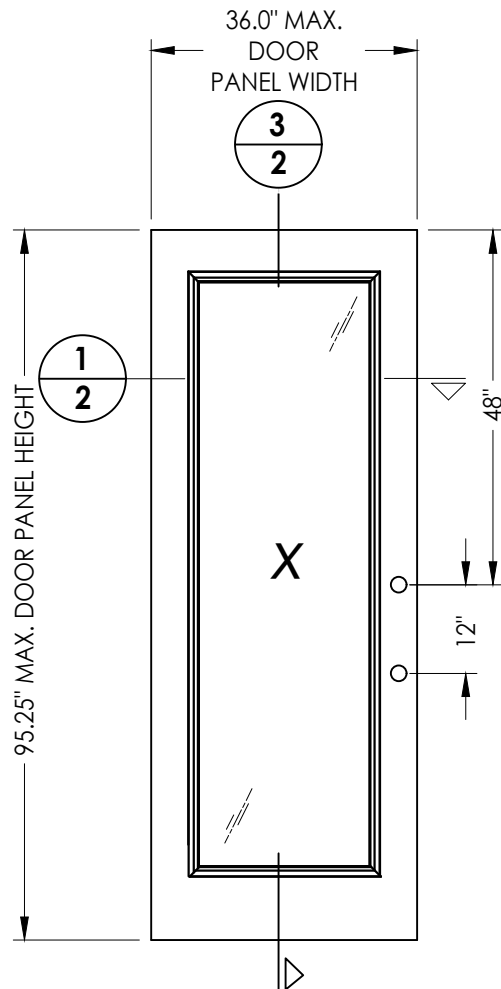
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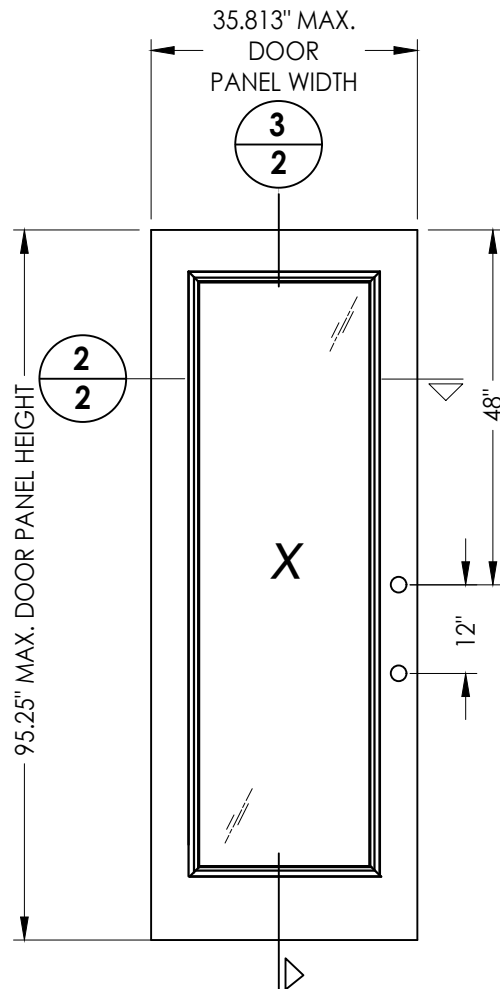
1
2 HORIZONTAL CROSS SECTION



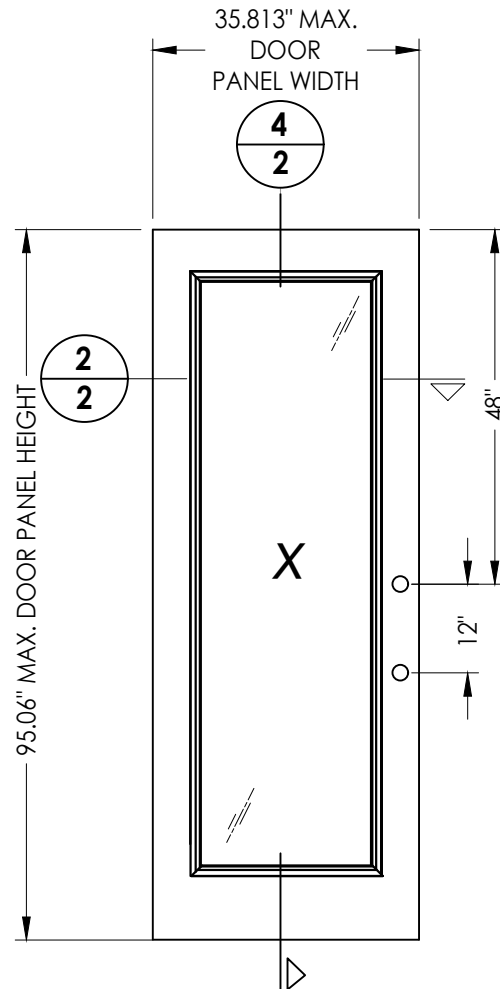
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2 HORIZONTAL CROSS SECTION



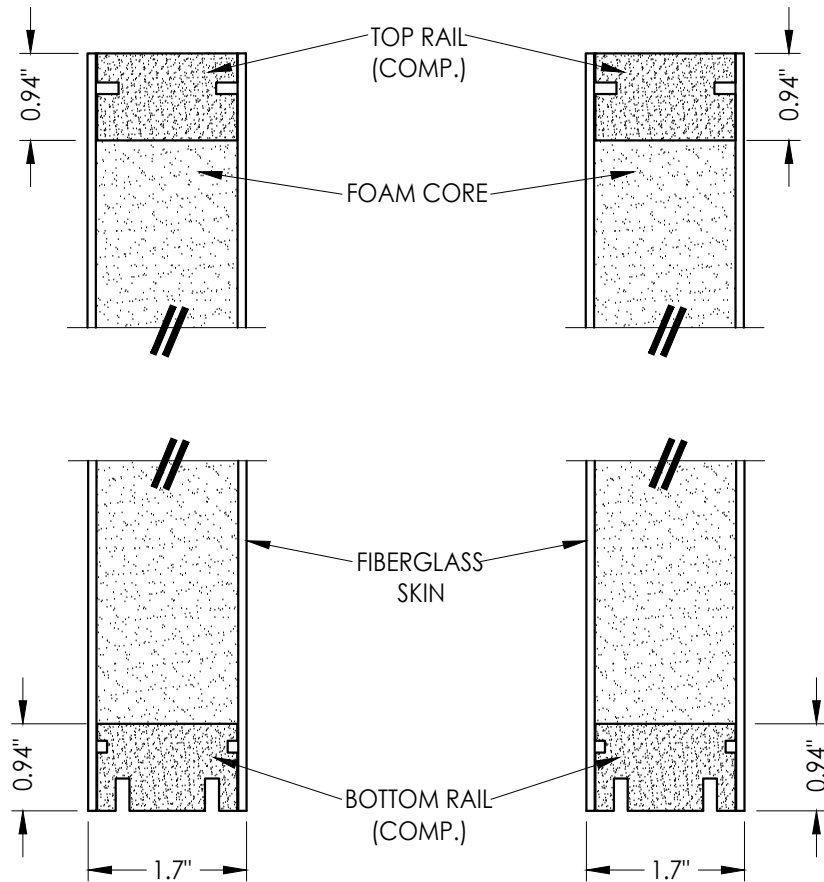
40 DOOR PANEL
BOOK



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: 0.125" MIN. THK.

FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)

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P.E. No. 43409

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

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.

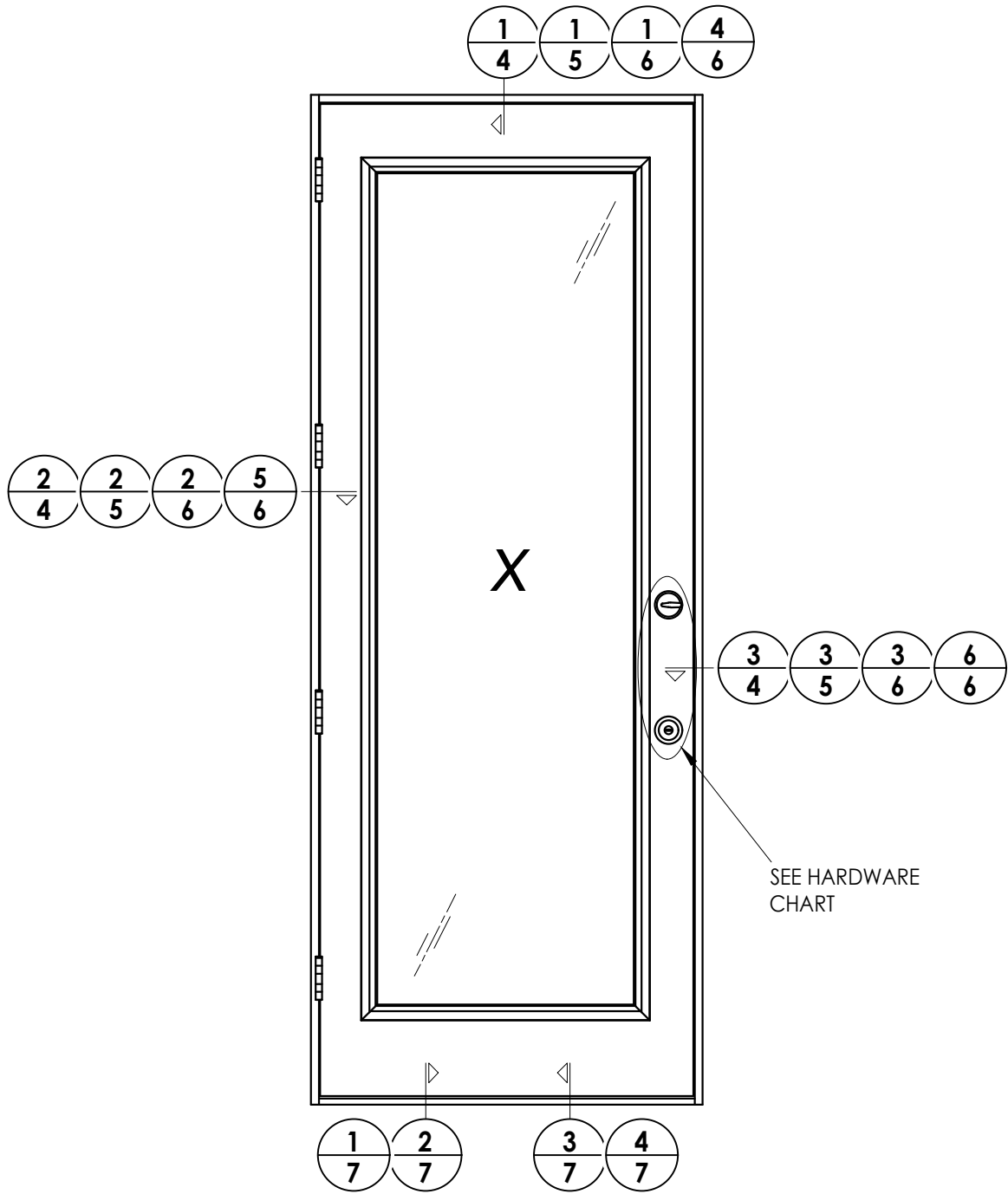
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-23955.16

SHEET 2 OF 11

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HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	Knob:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (780)



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.

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

PRODUCT:

THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

ELEVATIONS

DATE: 4/02/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-23955.16

SHEET 3 of 11

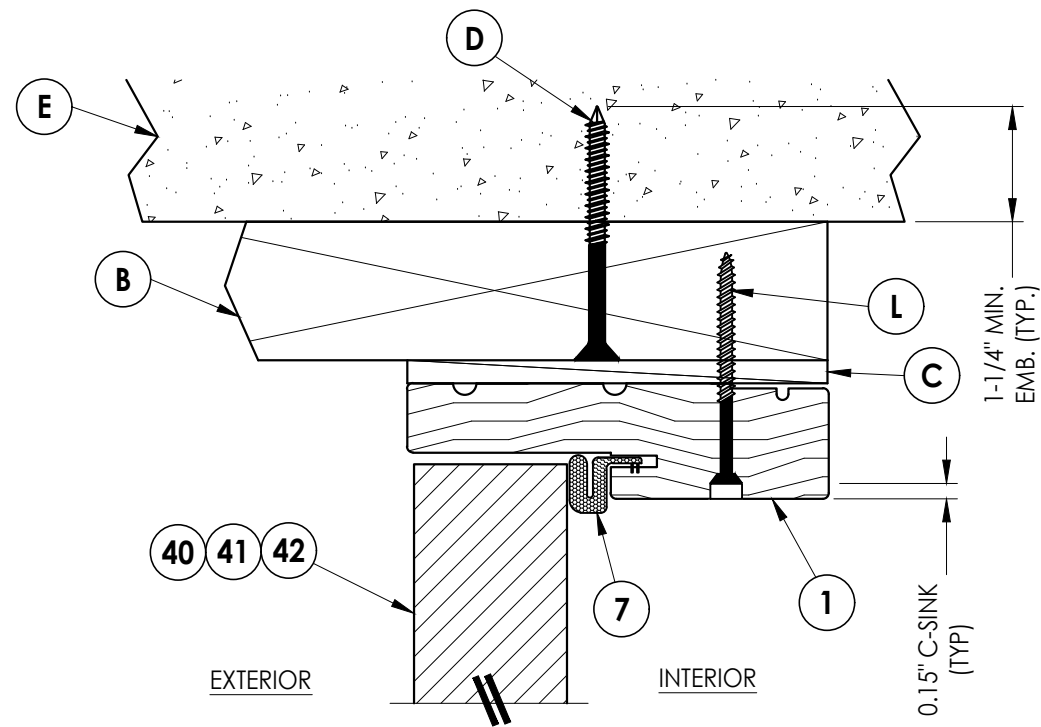
REVISIONS

NO.	DATE	DESCRIPTION
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
		BY

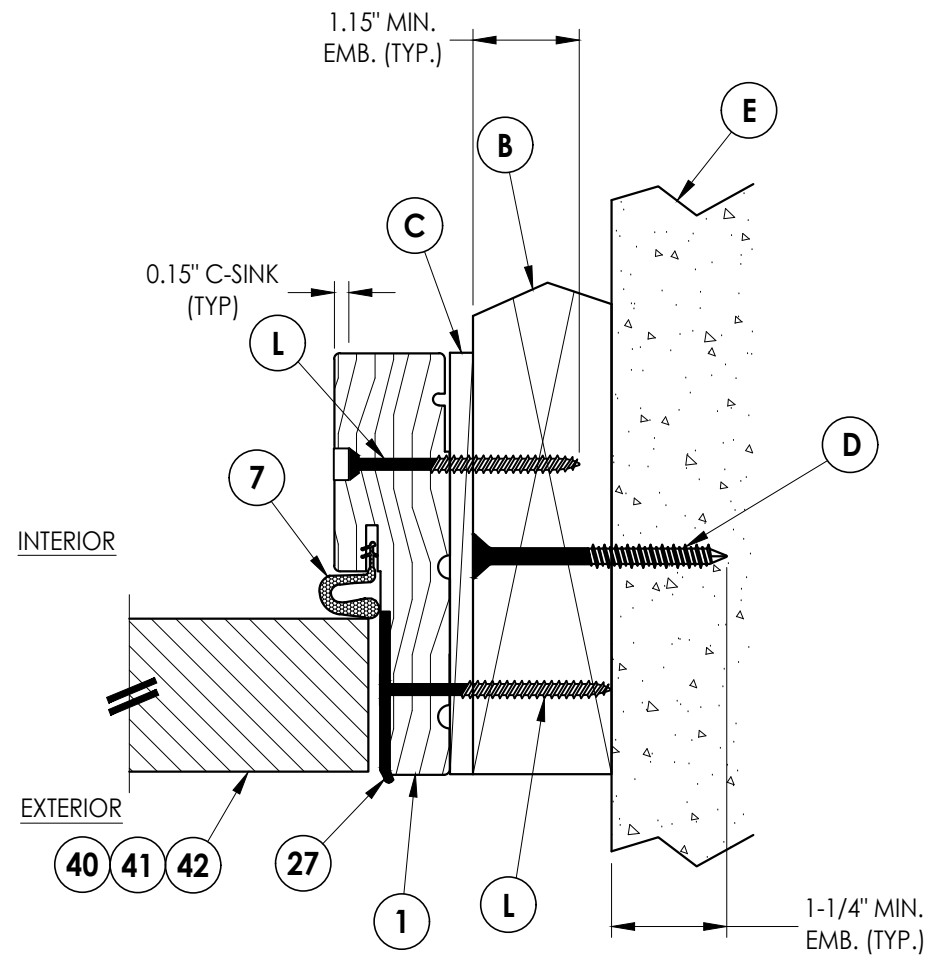
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Phone No.: 813.659.9197
FBPE Registry No. 9813

1-1/4" MIN.
EMB. (TYP.)



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



3 **HORIZONTAL CROSS SECTION**

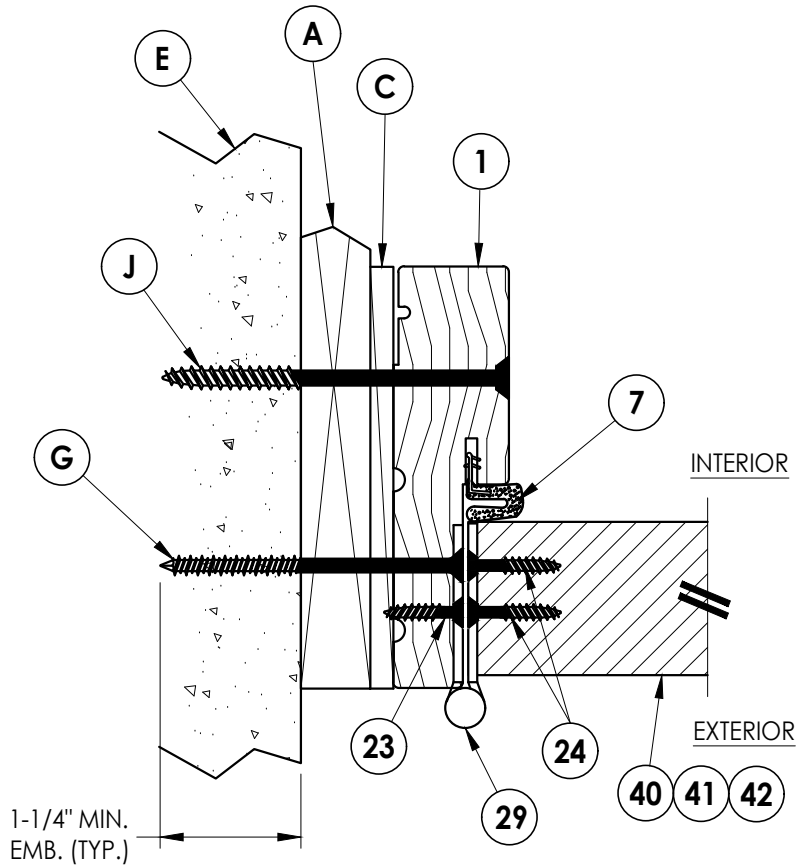
4 Shown w/ 2X Buck
Outswing shown (Inswing similar)

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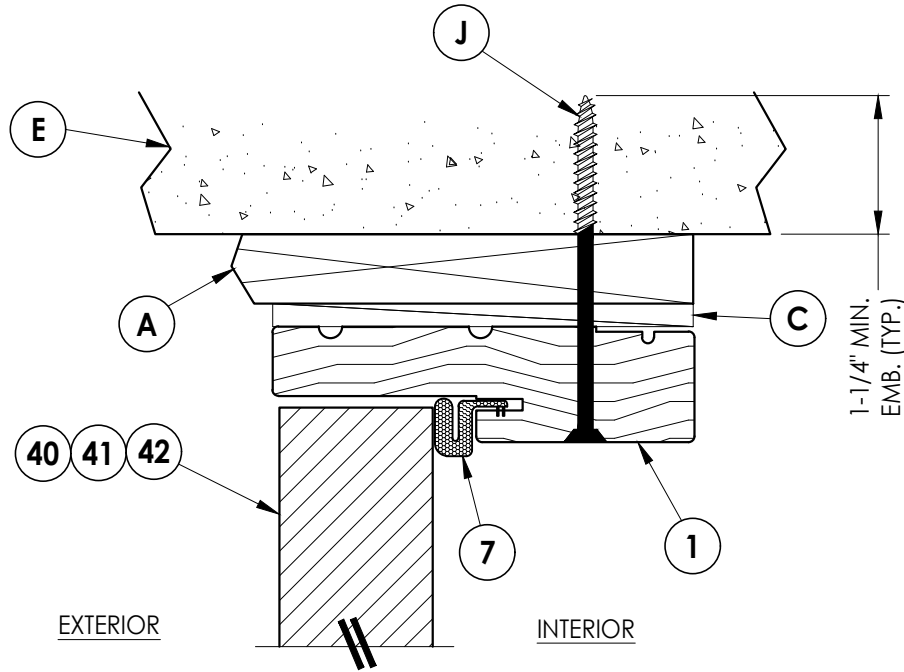
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
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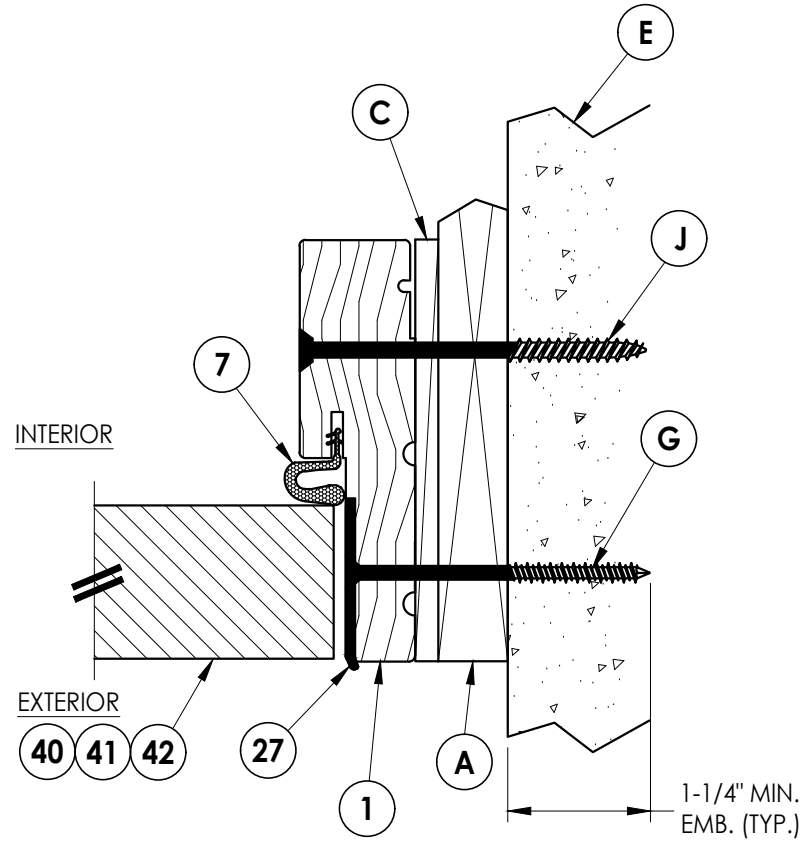
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2
5 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



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

PRODUCT:	
THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:	
HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	

REVISIONS	
NO.	DATE
3	7/01/26
2	8/22/23
1	8/05/20

DATE:	4/02/20
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-23955.16
SHEET	5 OF 11

Documents Prepared By:
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P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

Technical drawing of a window sill cross-section. The drawing shows the exterior (left) and interior (right) materials. The exterior material is labeled 40, 41, and 42. The interior material is labeled 2. A fastener (D) is shown passing through the exterior material into the interior material. The fastener has a threaded section (E) and a smooth section (C). The distance from the exterior surface to the fastener is labeled 1-1/4" MIN. EMB. (TYP.). The distance from the fastener to the interior surface is labeled 2" MIN. The total thickness of the exterior material is labeled 1.5" MAX.

The image contains two technical cross-section drawings of a door frame assembly, labeled 'INTERIOR' and 'EXTERIOR'.

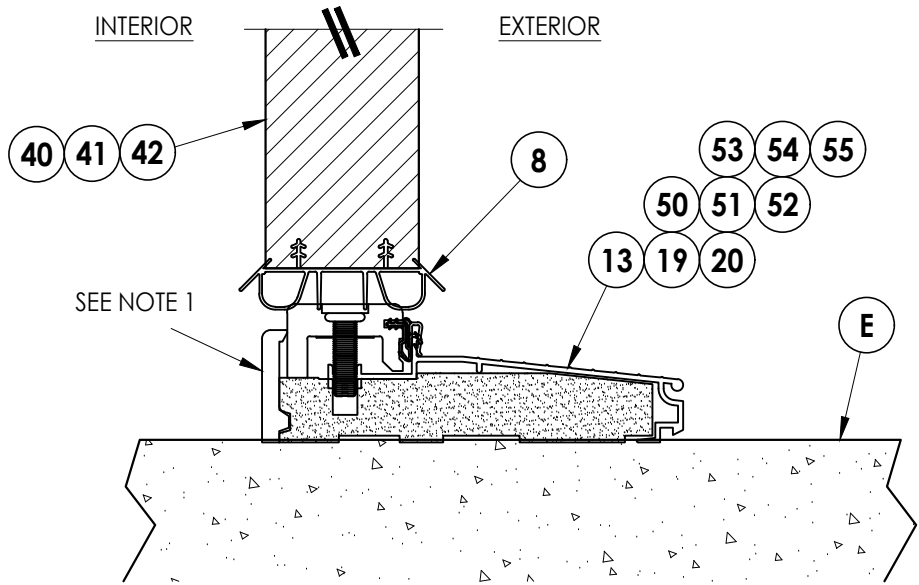
INTERIOR View: Shows a door (2) with a wood grain pattern. The frame is composed of a vertical jamb (C) and a horizontal sill (40, 41, 42). A threshold (42) is shown between the door and the sill. The door is secured by a bolt (N) and a latch (M). The jamb is secured by a screw (E). Dimensions include 1.5" MAX. for the top gap, 1.5" MIN. for the side gap, 4" for the jamb thickness, and 1-1/4" MIN. EMB. (TYP.) for the sill embedment.

EXTERIOR View: Shows the same door frame assembly from the outside. The door (2) is shown with a wood grain pattern. The frame is composed of a vertical jamb (C) and a horizontal sill (40, 41, 42). A threshold (42) is shown between the door and the sill. The door is secured by a bolt (N) and a latch (M). The jamb is secured by a screw (E). Dimensions include 1.5" MAX. for the top gap, 1.5" MIN. for the side gap, 4.25" for the jamb thickness, and 1-1/4" MIN. EMB. (TYP.) for the sill embedment.

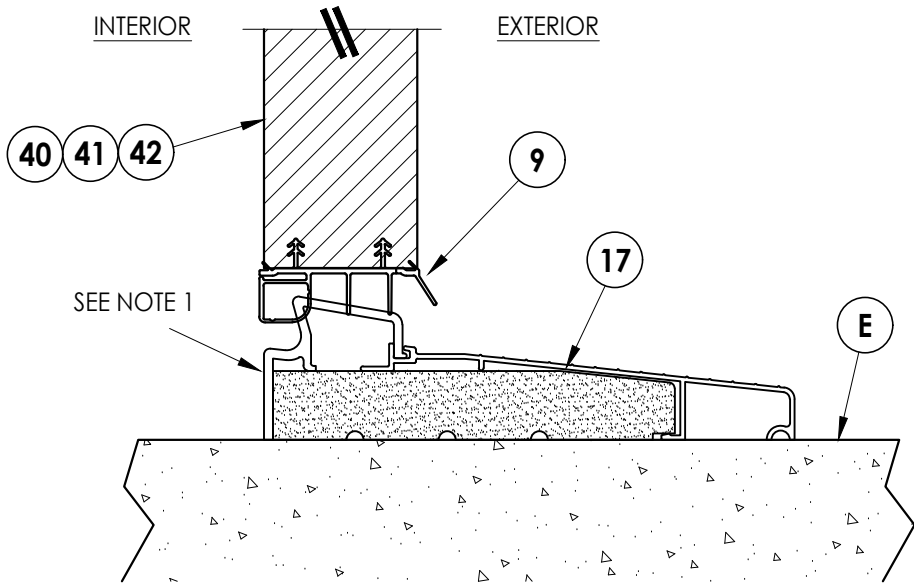
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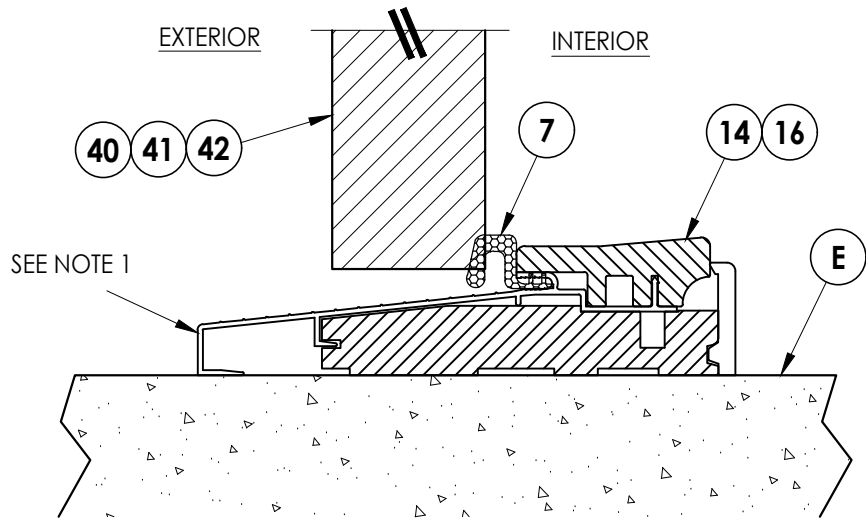
- Notes:
- Sill Item #'s 13, 16, 17, 19, 20, 50, 51, 52, 53, 54 & 55 are attached to jambs w/3) #8 X 2-1/2" pph screws at each end.
 - Sill Item #'s 14 are attached to jambs w/ (2) #8 X 2-1/2" pph screws at each end.
 - Sill Item # 18 is attached to jambs utilizing (4) #10 X 1-1/2" pph screws at each end.



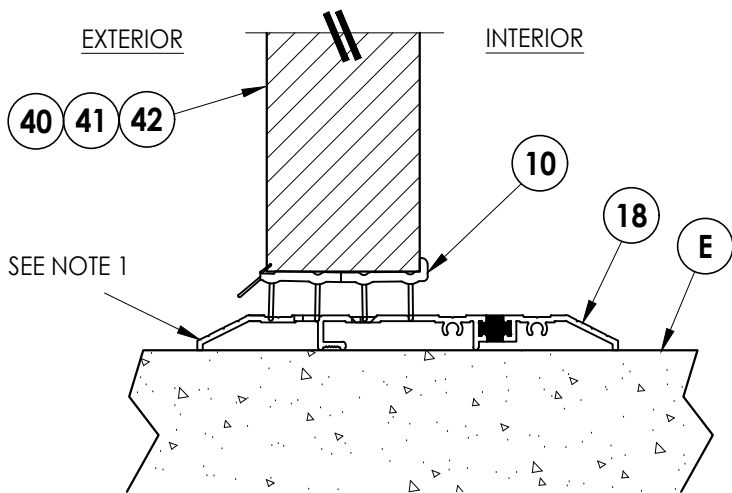
1
7 **VERTICAL CROSS SECTION**
Inswing Sill



2
7 **VERTICAL CROSS SECTION**
Inswing Sill



3
7 **VERTICAL CROSS SECTION**
Outswing Sill



4
7 **VERTICAL CROSS SECTION**
Public Access Sill

Documents Prepared By:
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P.E. No. 43409

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

PRODUCT: **THERMA-TRU
FIBERGLASS DOOR**

PART OR ASSEMBLY:
**VERTICAL CROSS
SECTIONS (THRESHOLDS)**

NO.	DATE	REVISIONS		
		DATE	BY	DESCRIPTION
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.:

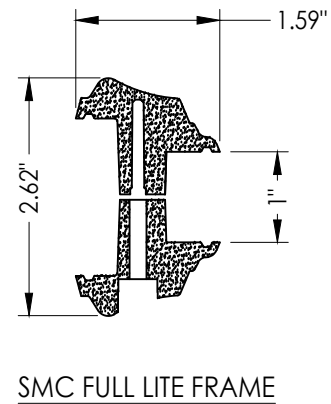
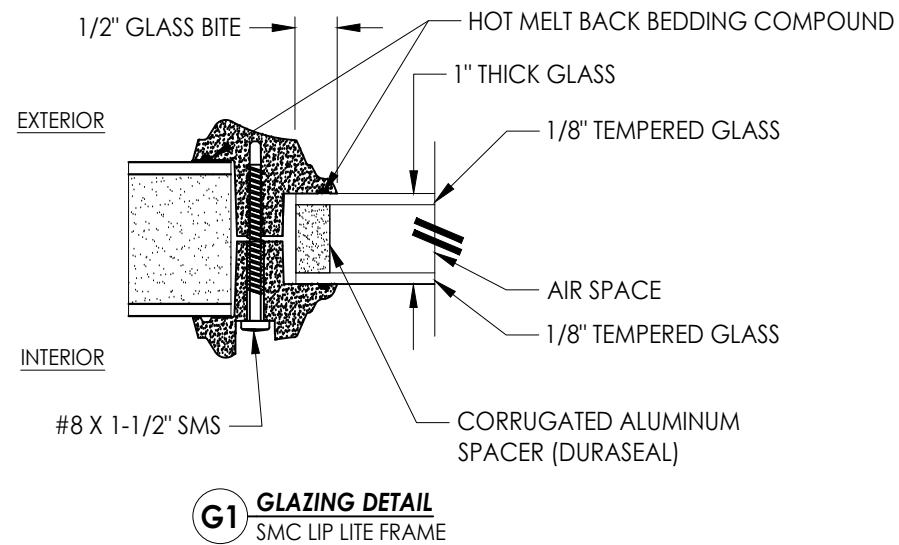
FL-23955.16

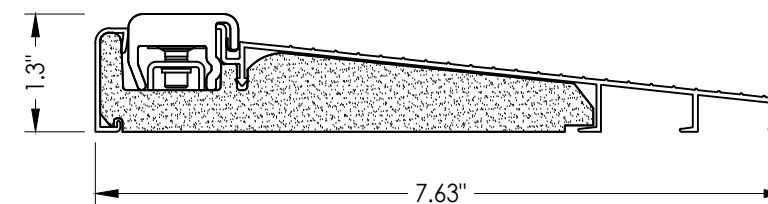
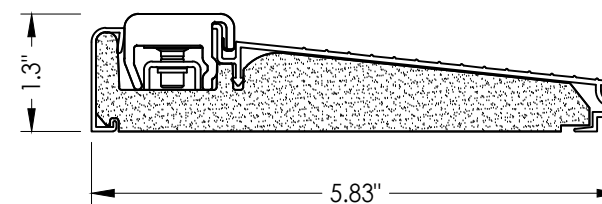
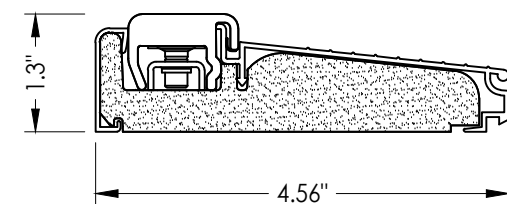
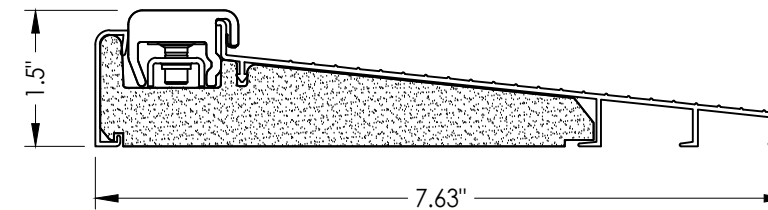
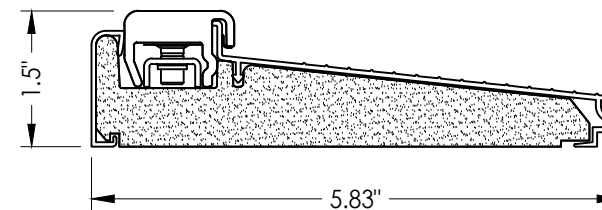
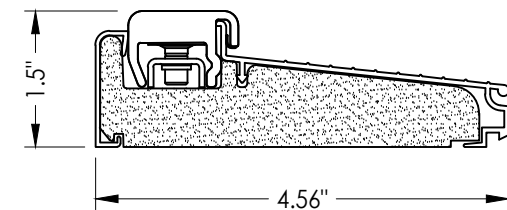
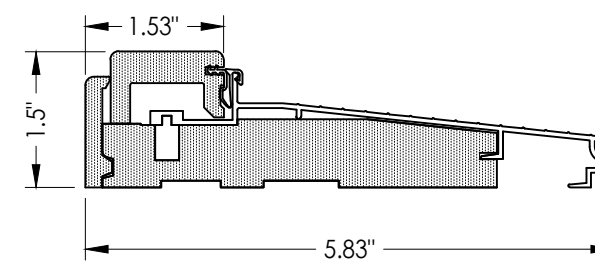
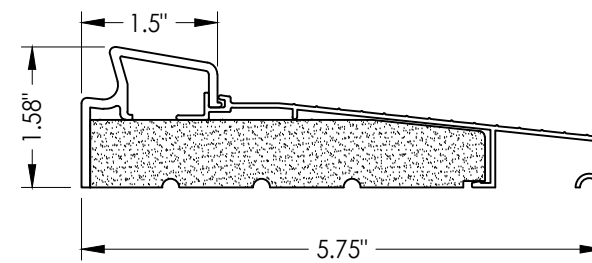
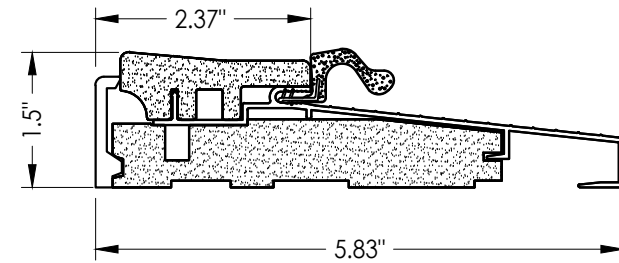
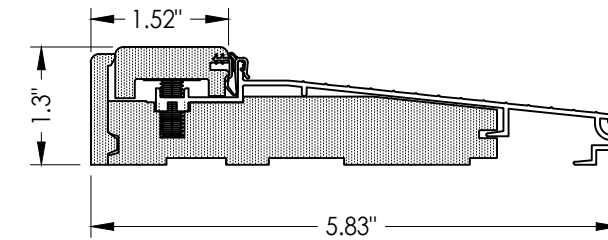
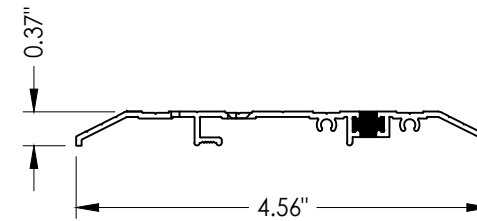
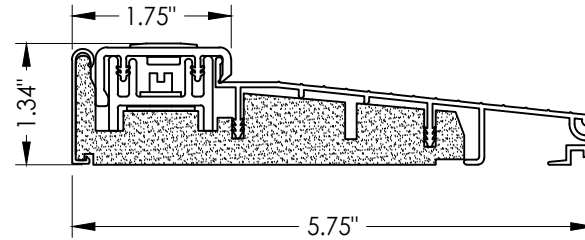
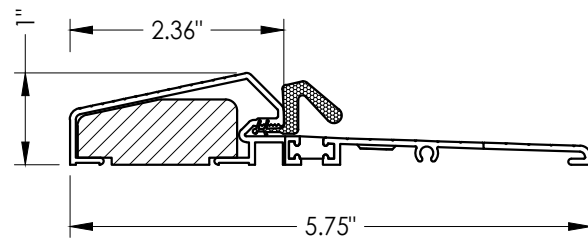
SHEET 7 OF 11

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FBPE Registry No. 9813

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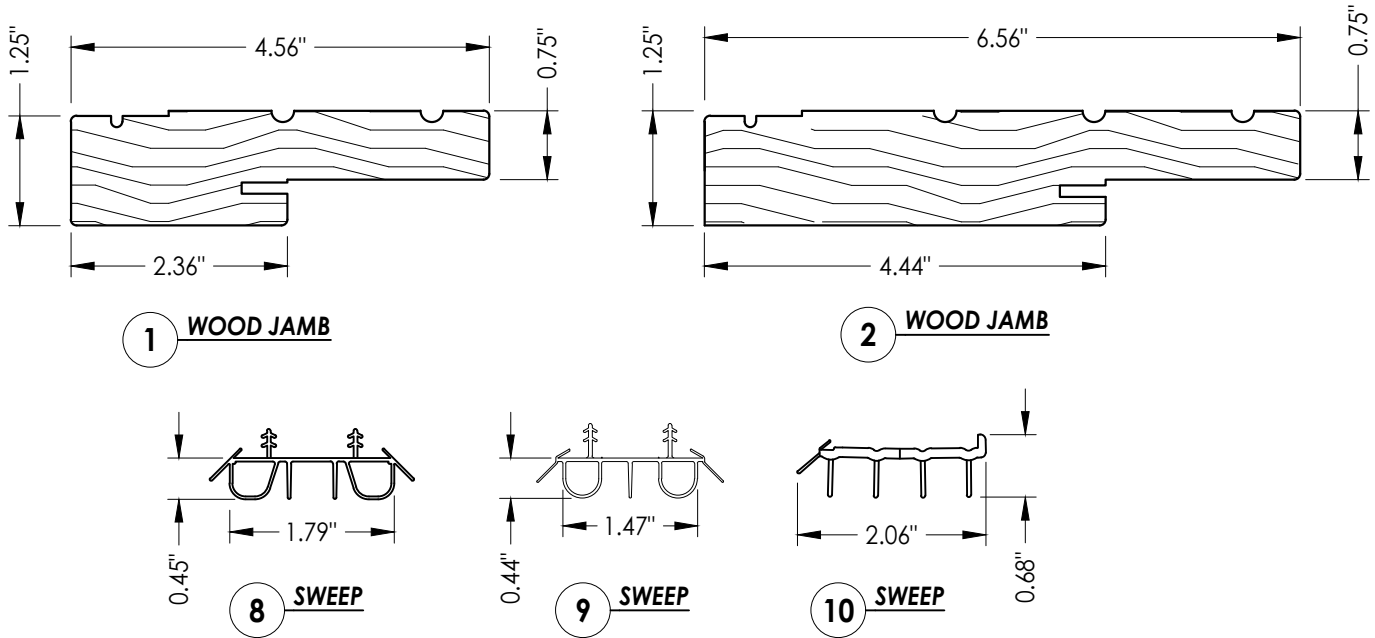
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
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
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
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL
1	JAMB (FINGER JOINT PINE)	WOOD
2	JAMB (FINGER JOINT PINE)	WOOD
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
9	SWEEP	VINYL
10	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING 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

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.

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
40	DOOR PANEL (BOOK DOOR)	-
41	DOOR PANEL (HYBRID DOOR)	-
42	DOOR PANEL (U1 DOOR)	-
50	INSWING THRESHOLD	ALUM/COMP
51	INSWING THRESHOLD	ALUM/COMP
52	INSWING THRESHOLD	ALUM/COMP
53	INSWING THRESHOLD	ALUM/COMP
54	INSWING THRESHOLD	ALUM/COMP
55	INSWING THRESHOLD	ALUM/COMP



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.

Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS

NO.	DATE	REVISIONS			
		DESCRIPTION	BY	DATE	APP'D
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-23955.16

SHEET 11 OF 11