

OPAQUE FIBERGLASS SINGLE DOOR

INSWING/OUTSWING

"NON-IMPACT"

GENERAL NOTES

1.

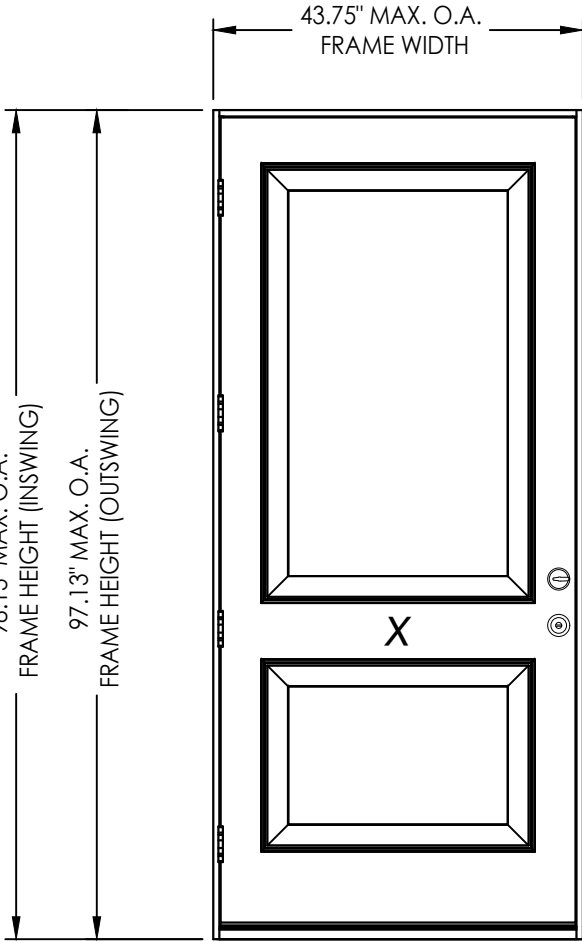
This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2.

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.

For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
4.

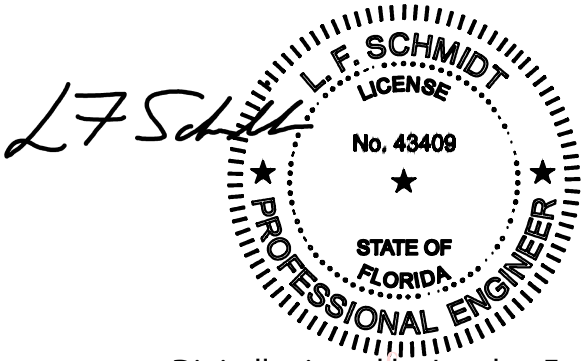
Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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3	Elevations
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6	Horizontal & Vertical Cross Sections (Direct to Masonry)
7	Vertical Cross Sections (Thresholds)
8	Buck & Frame Anchoring & Hardware Details
9	Components
10	Components & Bill of Materials



CONFIGURATION	Lock Hardware	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	Kwikset*	+60.0	-70.0	+60.0	-60.0
X	Schlage*	+60.0	-70.0	+60.0	-60.0

*See Sheet 3 for Hardware Specifications



Digitally signed by Lyndon F Schmidt
Date: 2026.08.08 09:21:48 -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: 3/24/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-23955.9

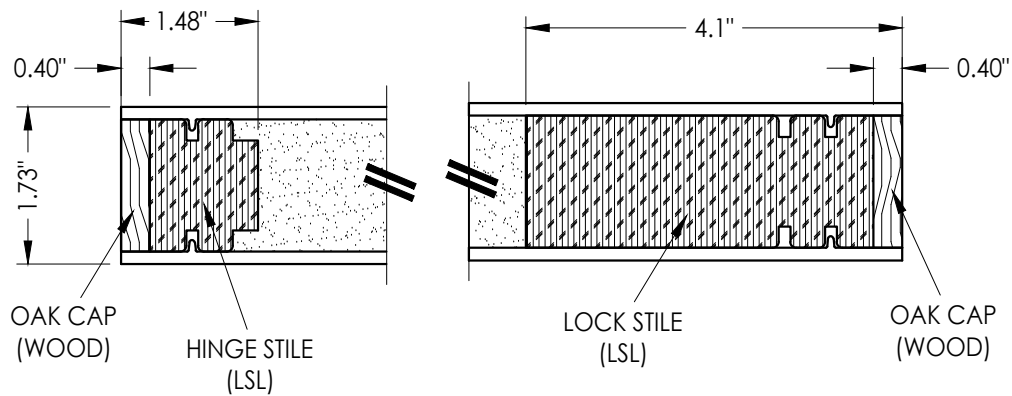
SHEET 1 OF 10

REVISIONS

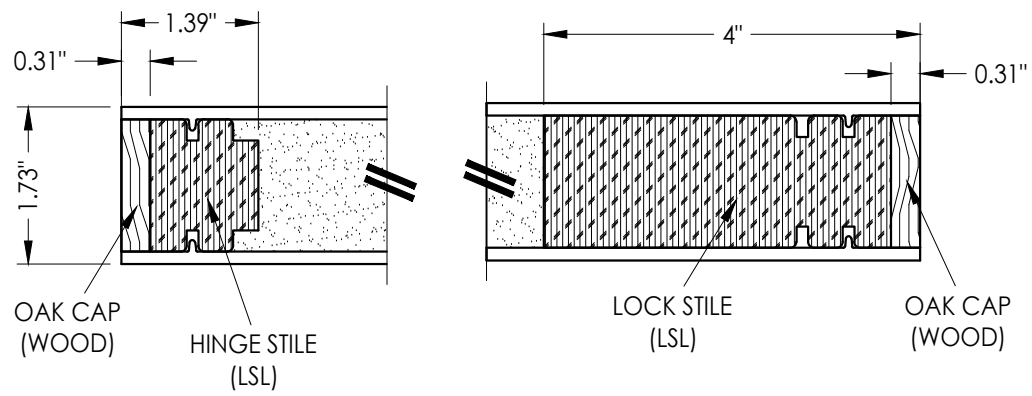
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2	8/22/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	8/05/20	UPDATE TO 7th ED (2020)	FBC	LFS
NO.	DATE			BY

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Phone No.: 813.659.9197
FBPE Registry No. 9813

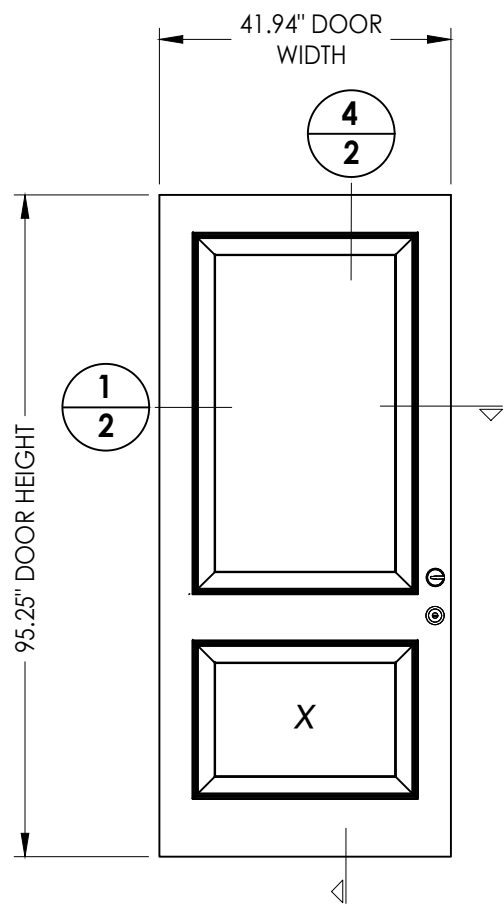
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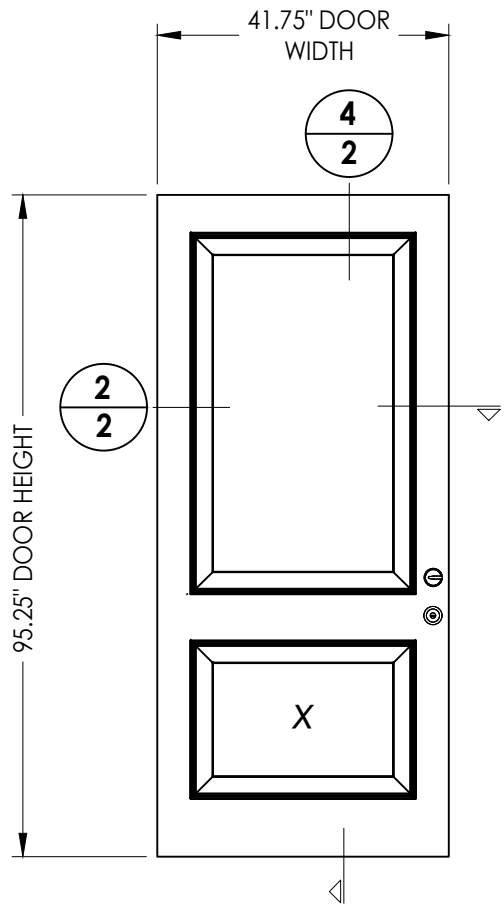
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2 HORIZONTAL CROSS SECTION



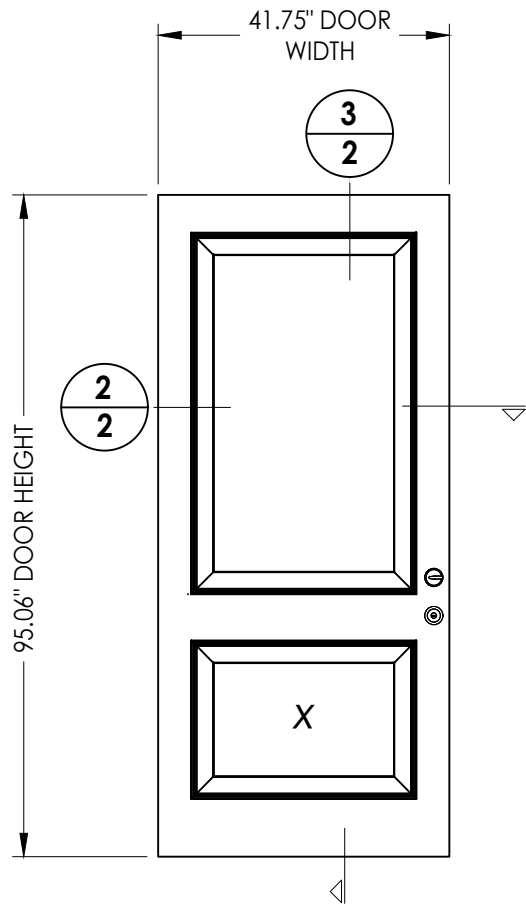
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2 HORIZONTAL CROSS SECTION



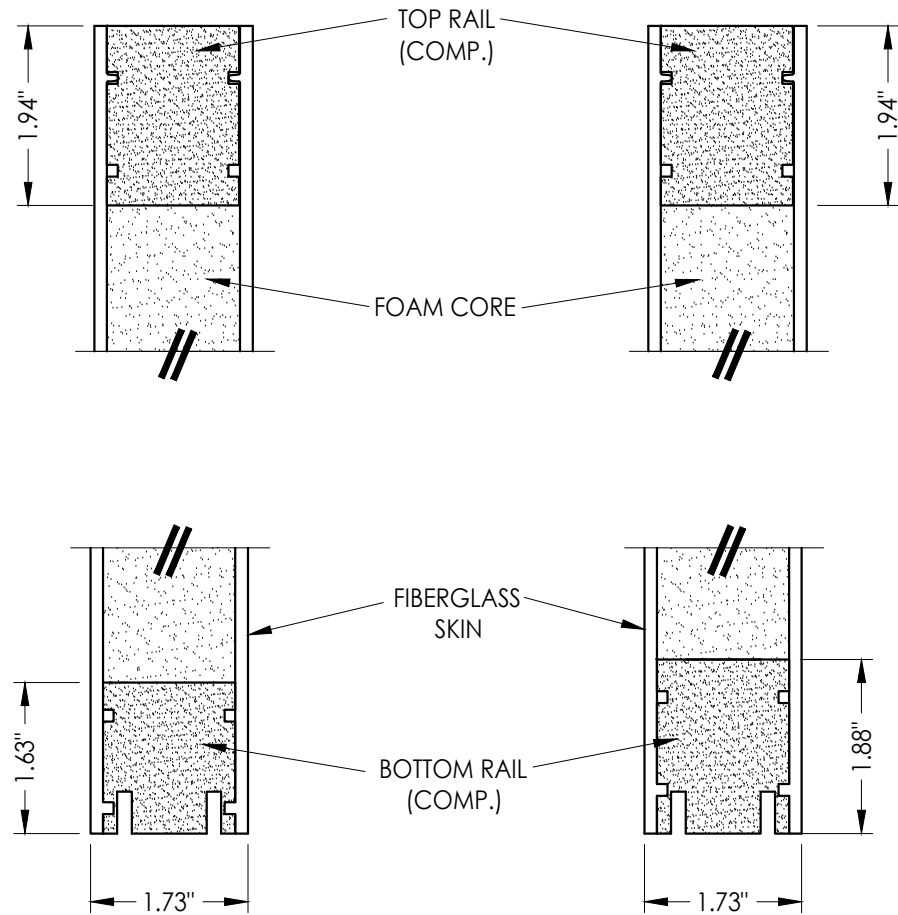
40 DOOR PANEL
Book Door



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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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: 3/24/20

SCALE: N.T.S.

DWG. BY: RW

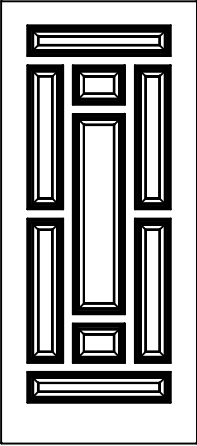
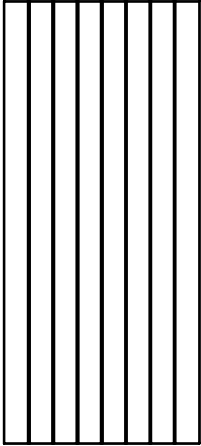
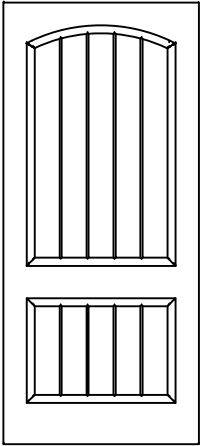
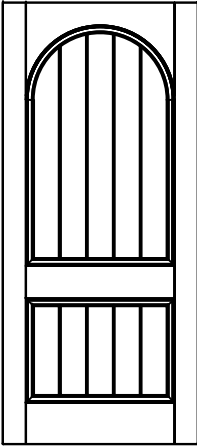
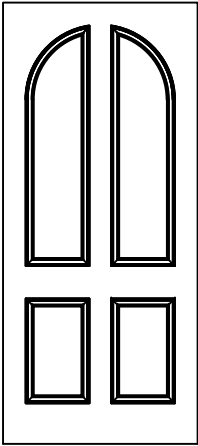
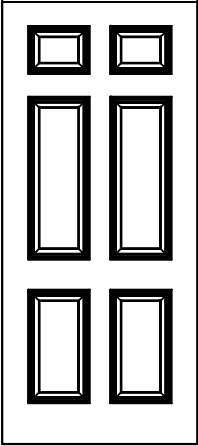
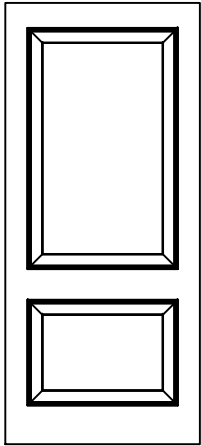
CHK. BY: LFS

DRAWING NO.:

FL-23955.9

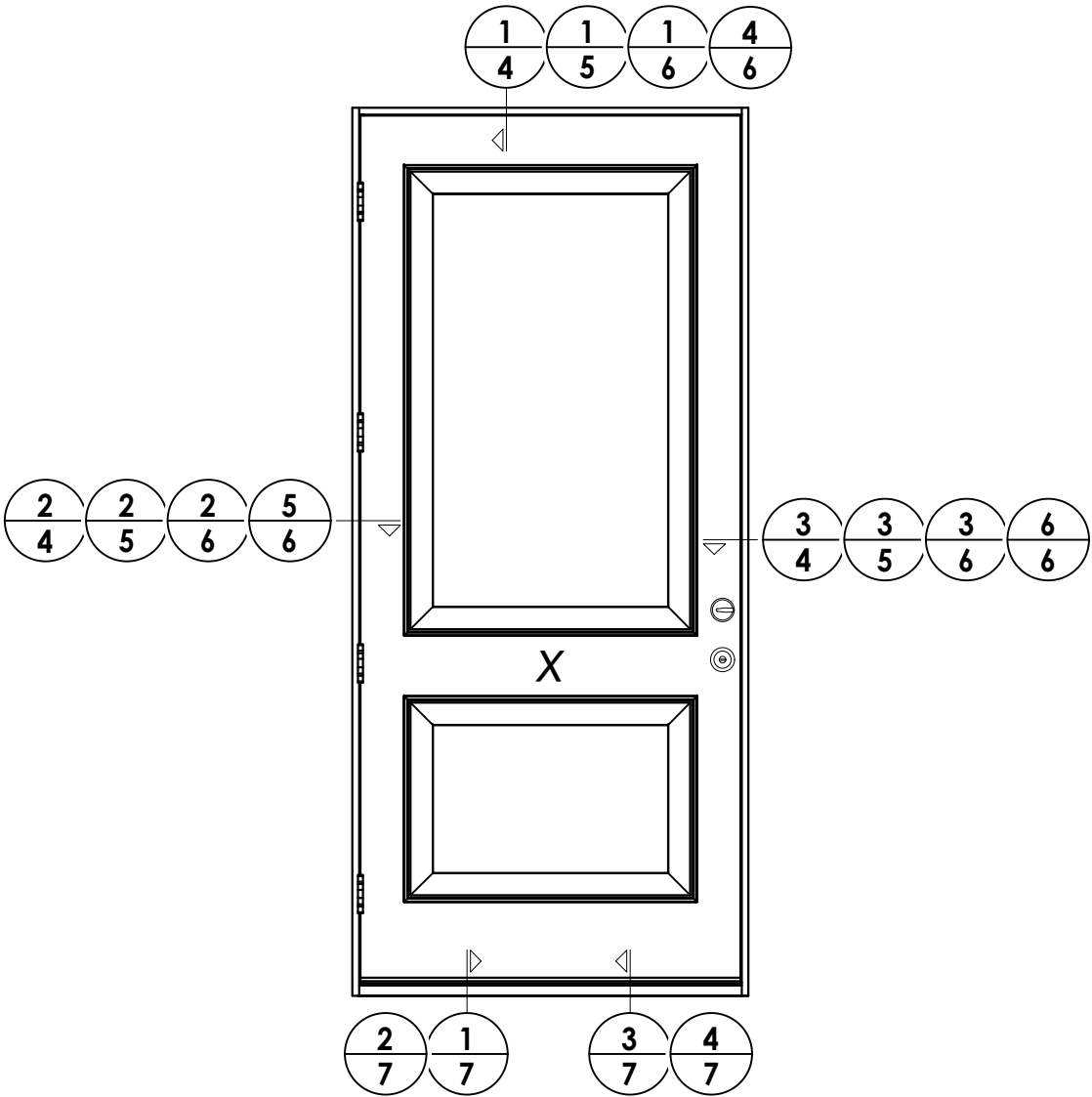
SHEET 2 OF 10

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Classic-Craft Door Panel Options

Panel options shown are for illustration and are representative only
(similar opaque panel configurations are allowed)

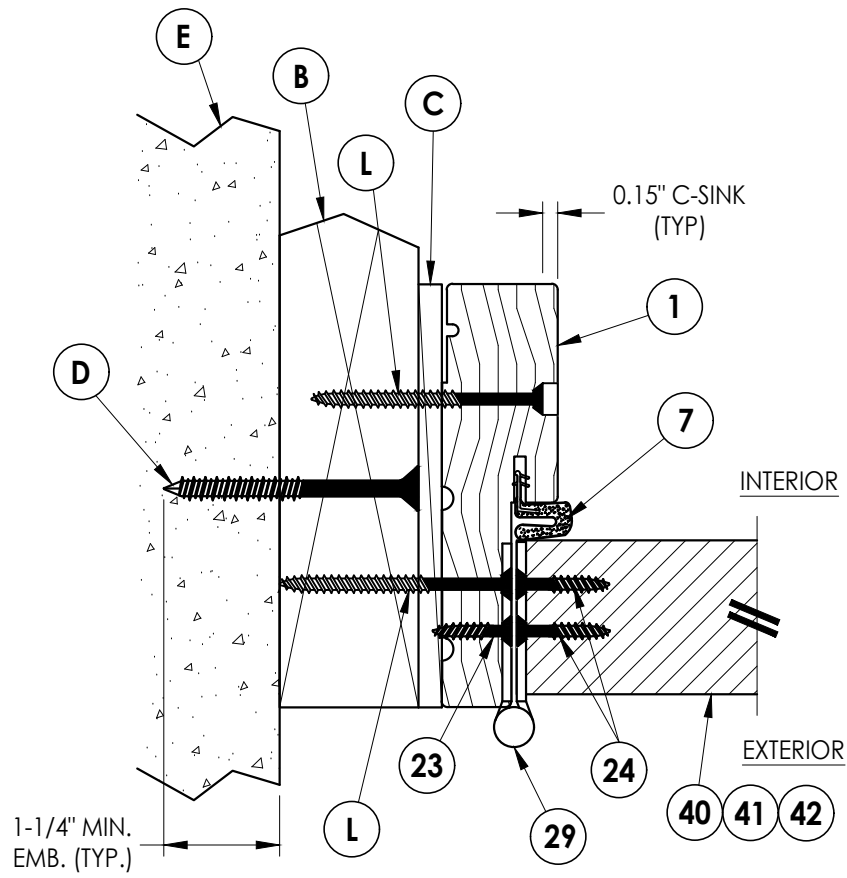


HARDWARE TABLE	
MANUFACTURER	MODEL
SCHLAGE	Knob: F51
	Deadbolt: B60N
KWIKSET	Knob: SIGNATURE SERIES
	Deadbolt: SIGNATURE SERIES (980)

DATE:	3/24/20
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-23955.9
SHEET	3 OF 10

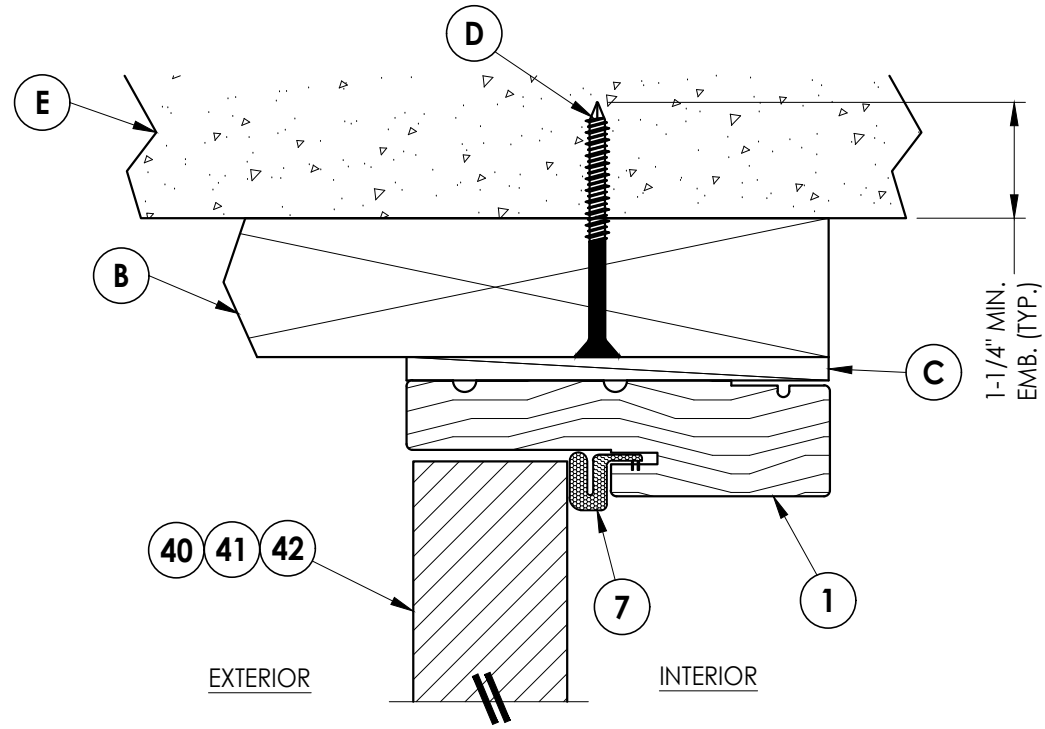
PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	ELEVATIONS

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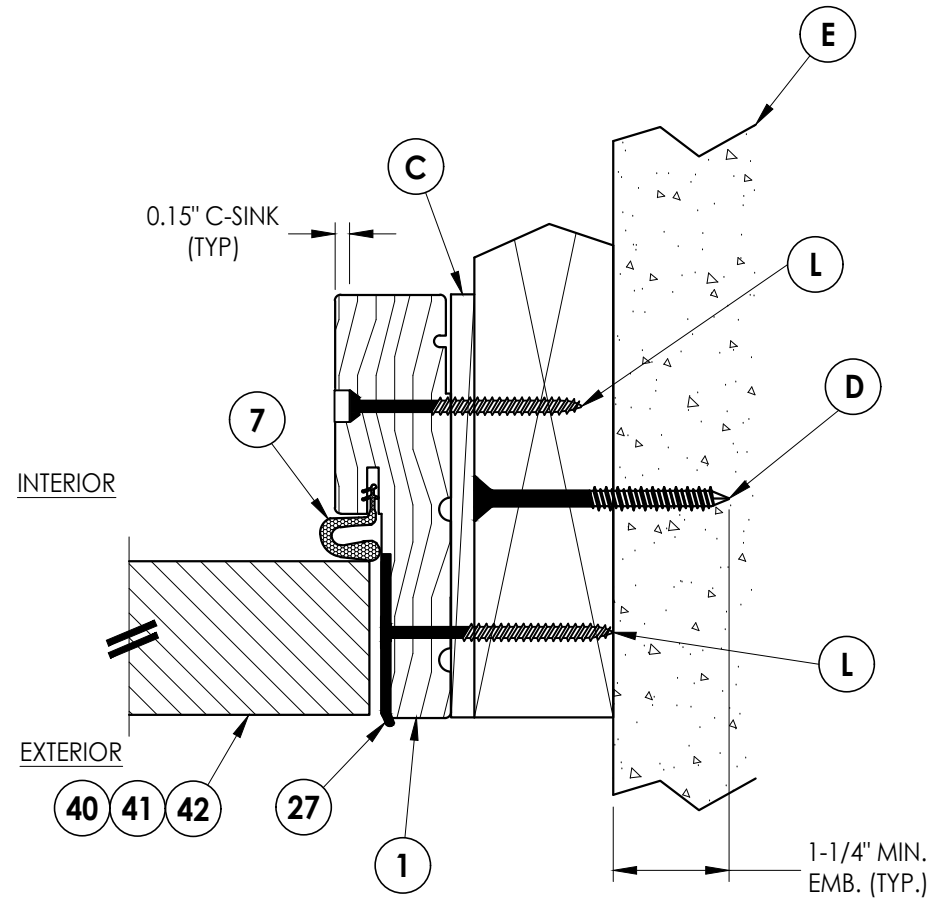
2 HORIZONTAL CROSS SECTION

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



1 4 **VERTICAL CROSS SECTION**

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



3 **HORIZONTAL CROSS SECTION**

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

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	
NO.	DATE			BY	
					REVISIONS

DATE: 3/24/20

SCALE: *N.T.S.*

DWG. BY: *RW*

CHK. BY: LFS

DRAWING NO.:

FL-23955.9

SHEET 4 OF 10

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P.E. No. 43409

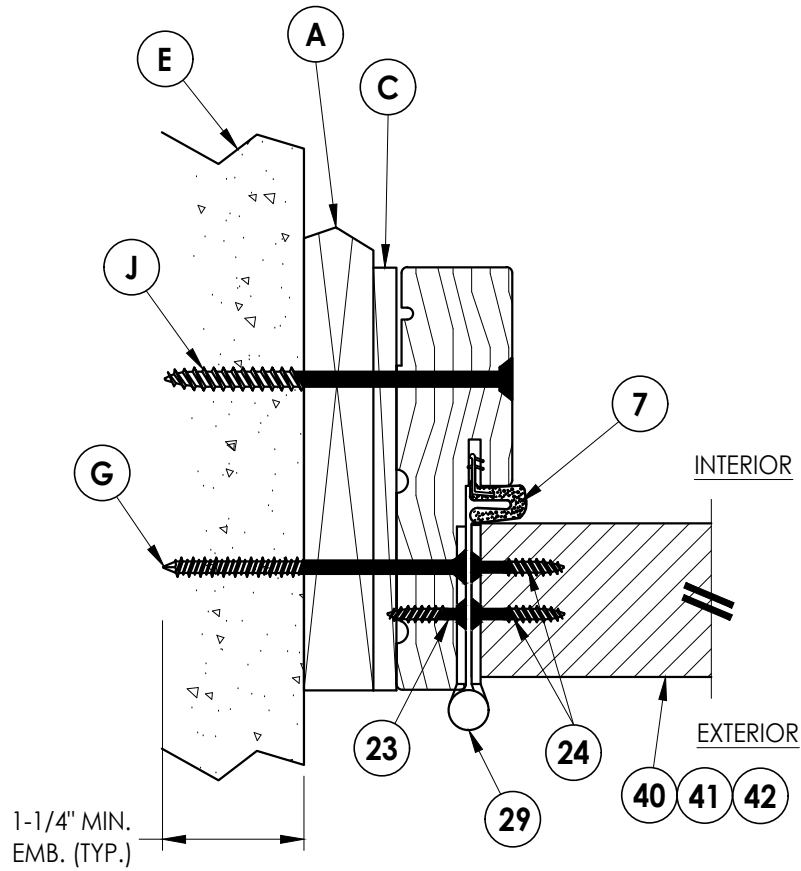
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Phone No.: 813.659.9197
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PRODUCT: THERMA-TRU
FIBERGLASS DOOR

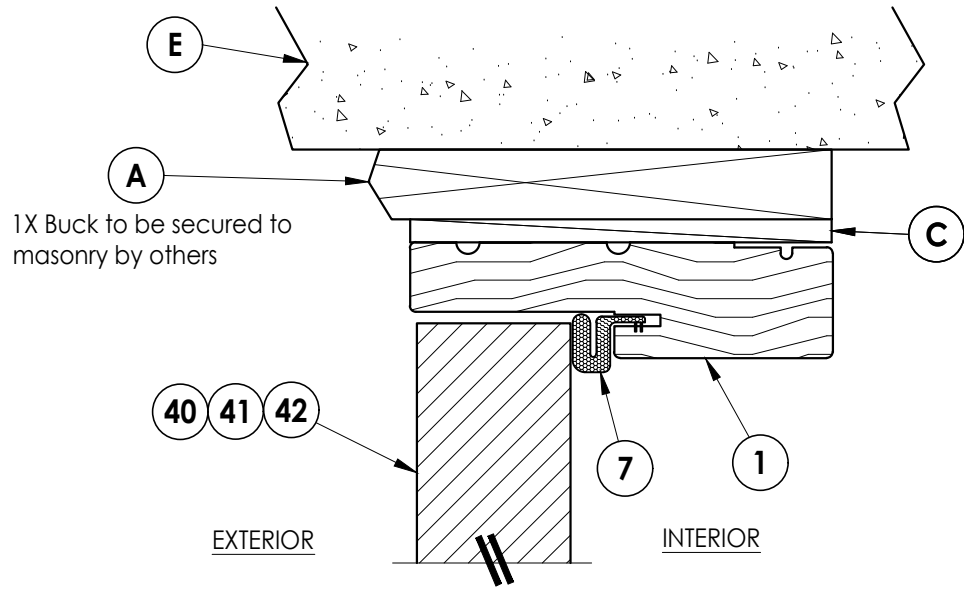
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)

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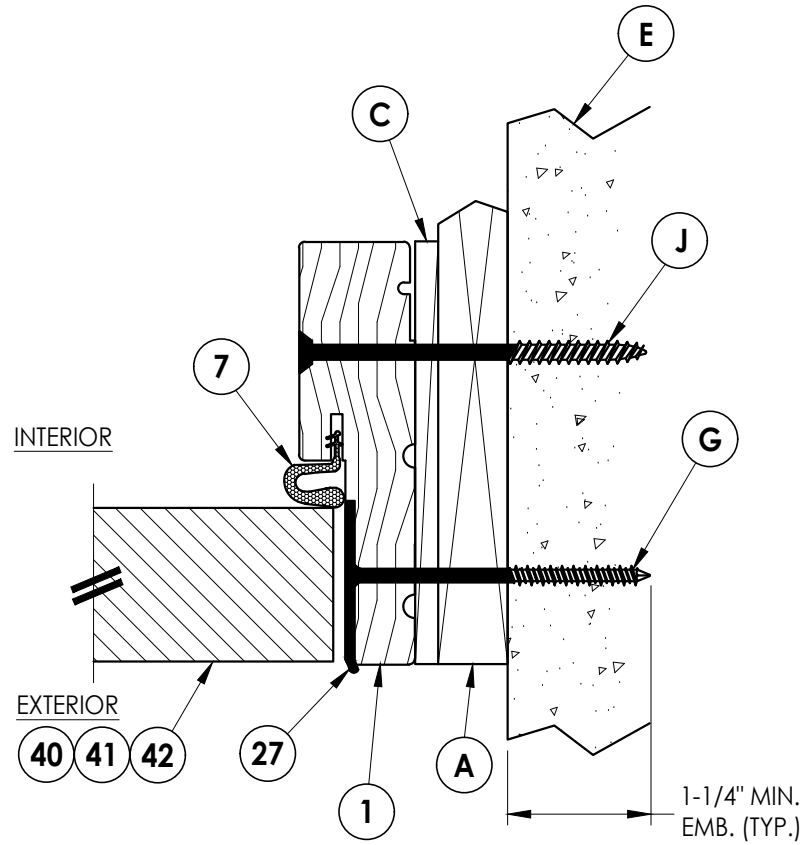
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2 HORIZONTAL CROSS SECTION
5 Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



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

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PRODUCT: THERMA-TRU
FIBERGLASS DOOR

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

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
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DATE: 3/24/20

SCALE: N.T.S.

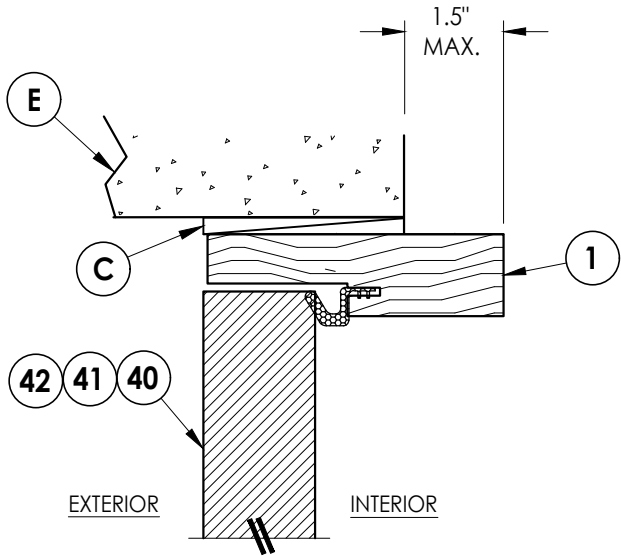
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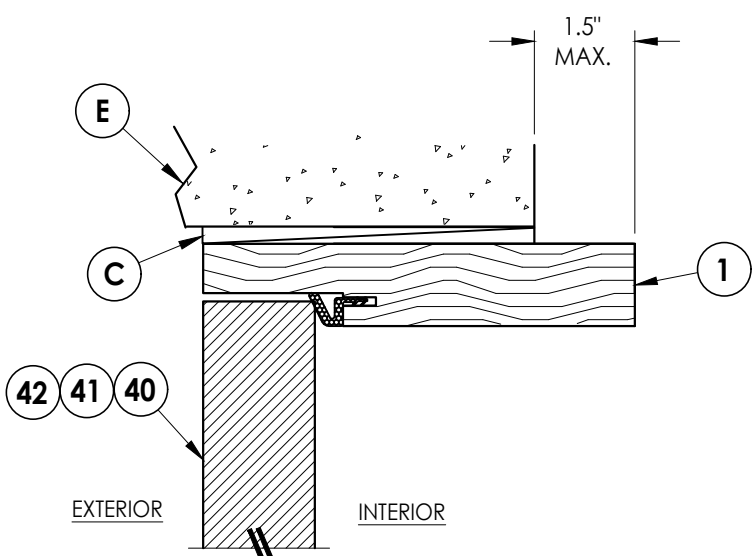
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SHEET 5 of 10

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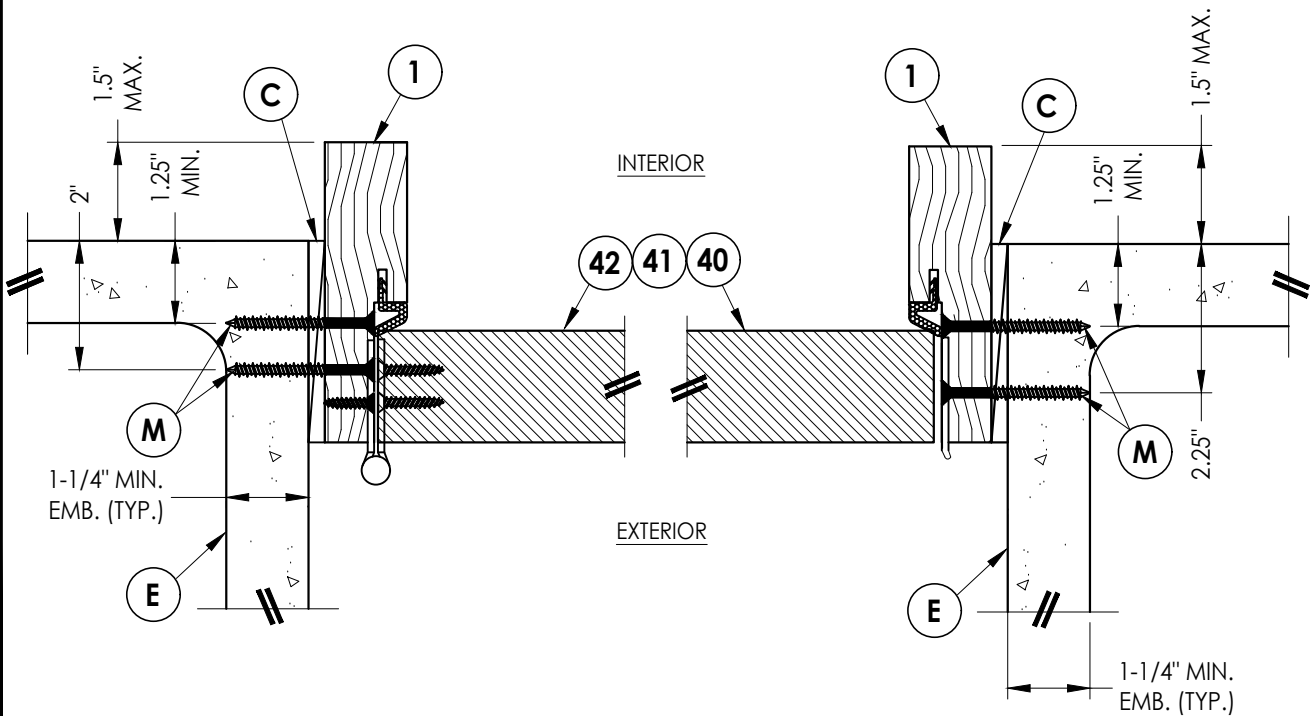


1
6 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



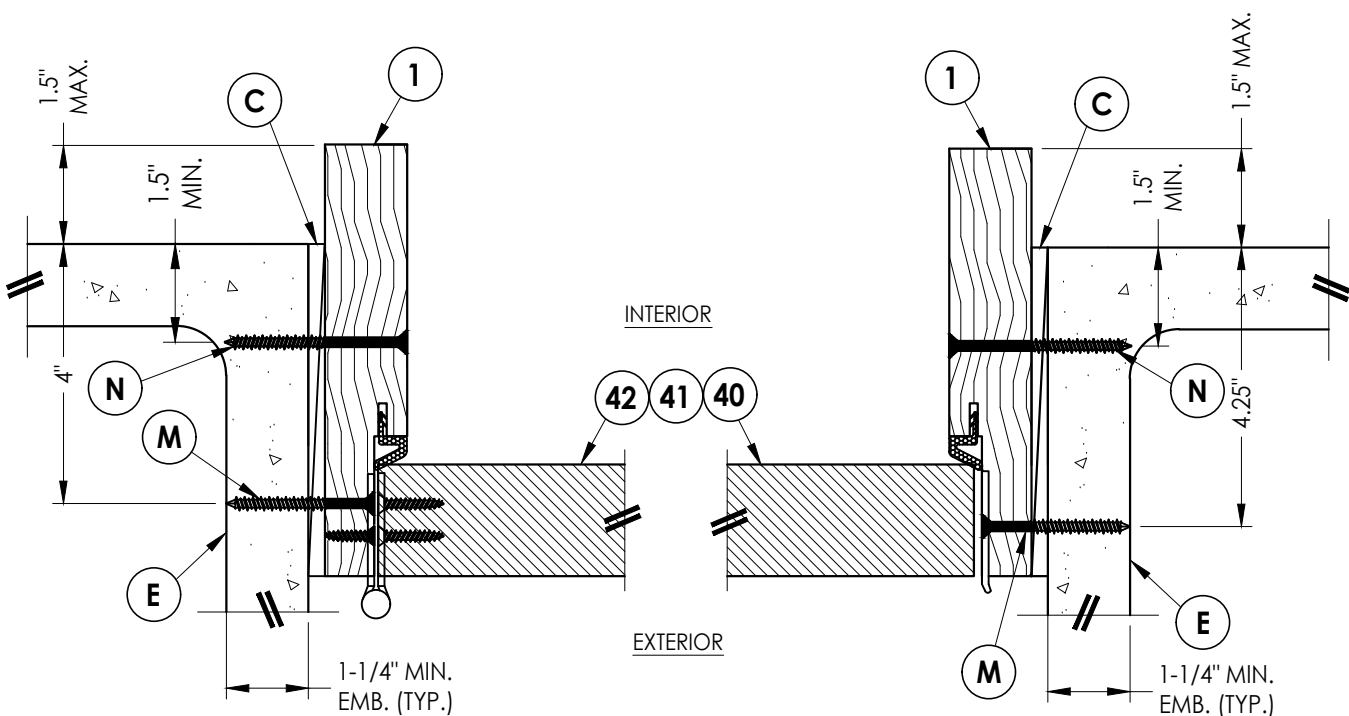
4
6 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

DIRECT TO MASONRY MAX. DESIGN PRESSURE:
± 40 PSF



2
6 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb

3
6 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb

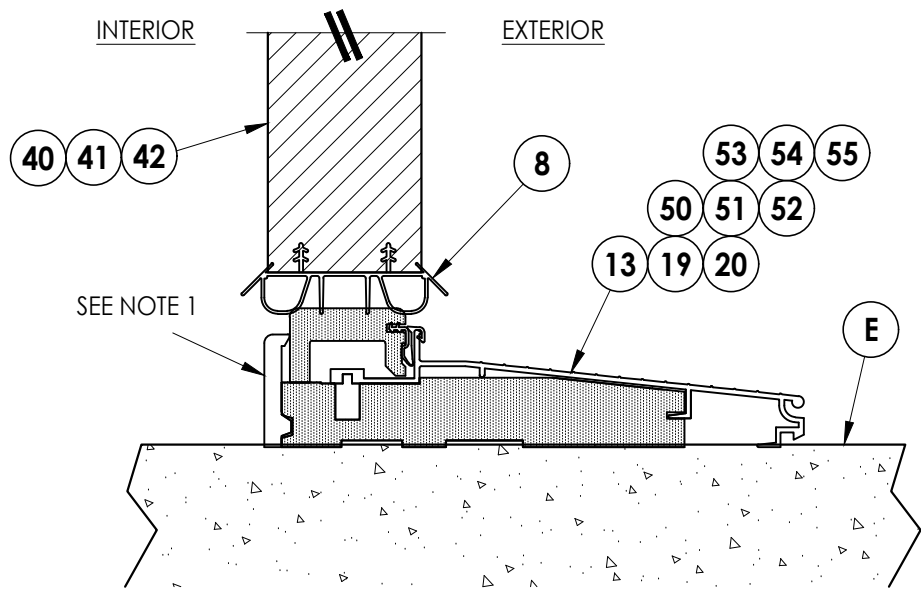


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6 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

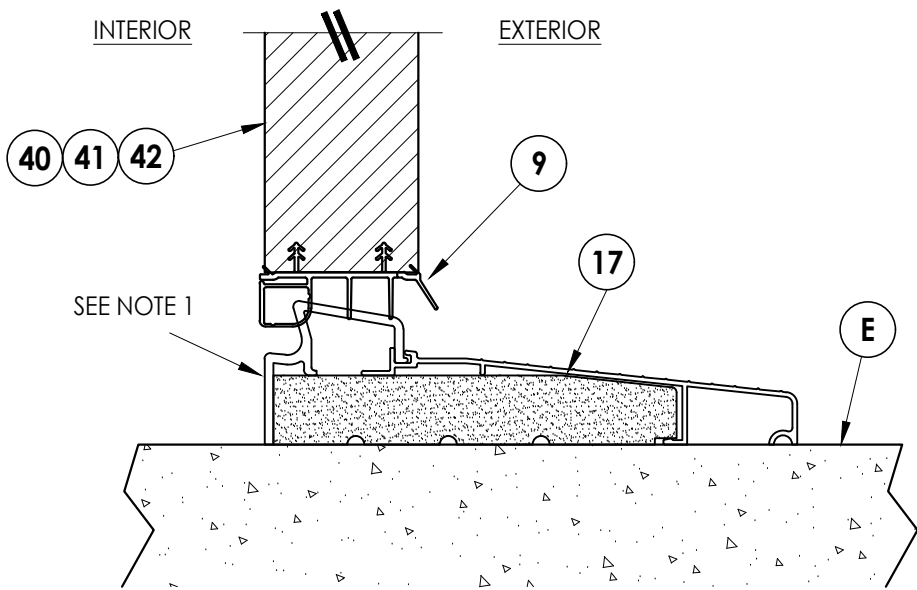
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6 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

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	
PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL SECTIONS (DIRECT TO MASONRY)	
		LFS	
		FBC	
		LFS	
		FBC	
		LFS	
		FBC	
		BY	
		NO.	DATE
		REVISIONS	
DATE: 3/24/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-23955.9			
SHEET 6 OF 10			

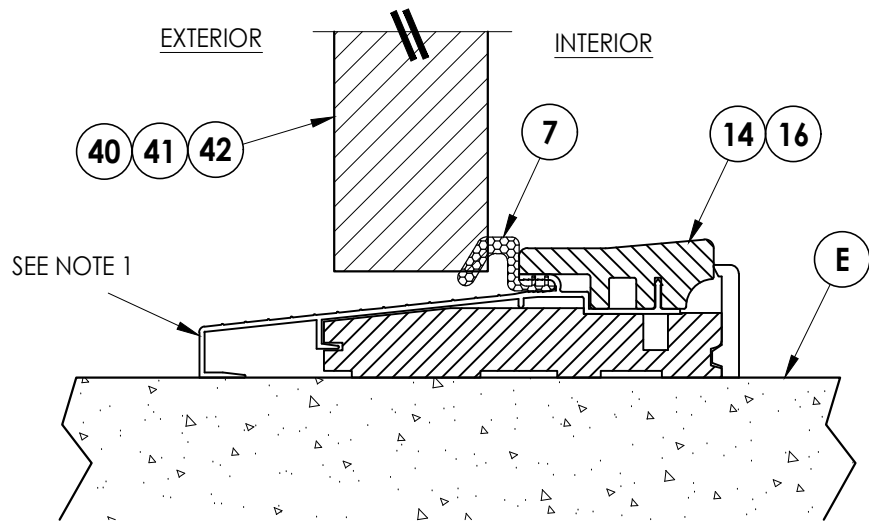
Notes:
1. Sill Item #'s 13, 16, 17, 19, 20, 50, 51, 52, 53, 54 & 55 are attached to jambs w/3) #8 X 2-1/2" pfh screws at each end.
Sill Item #'s 14 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
Sill Item # 18 is attached to jambs utilizing (4) #10 X 1-1/2" pph screws at each end.



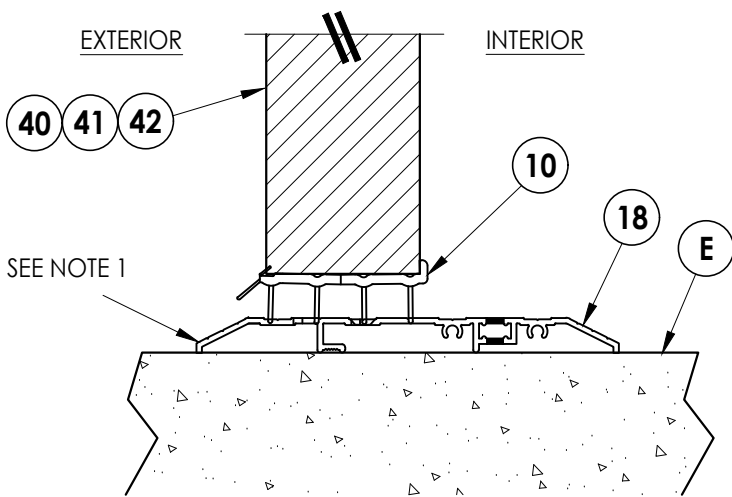
1
7 **VERTICAL CROSS SECTION**
Inswing Sill



2
7 **VERTICAL CROSS SECTION**
Inswing Sill



3
7 **VERTICAL CROSS SECTION**
Outswing Sill



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

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FBPE Registry No. 9813

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS		
		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: 3/24/20

SCALE: N.T.S.

DWG. BY: RW

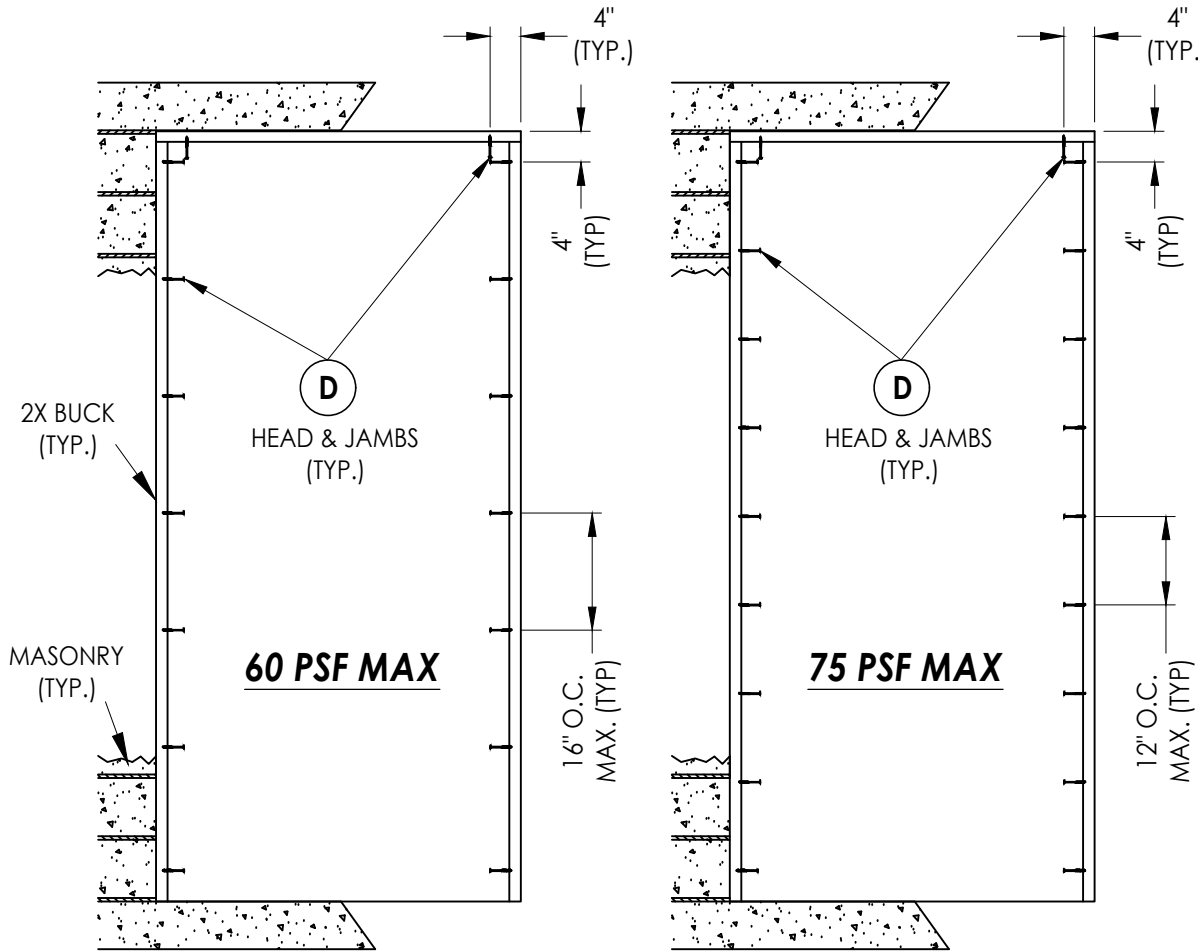
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FL-23955.9

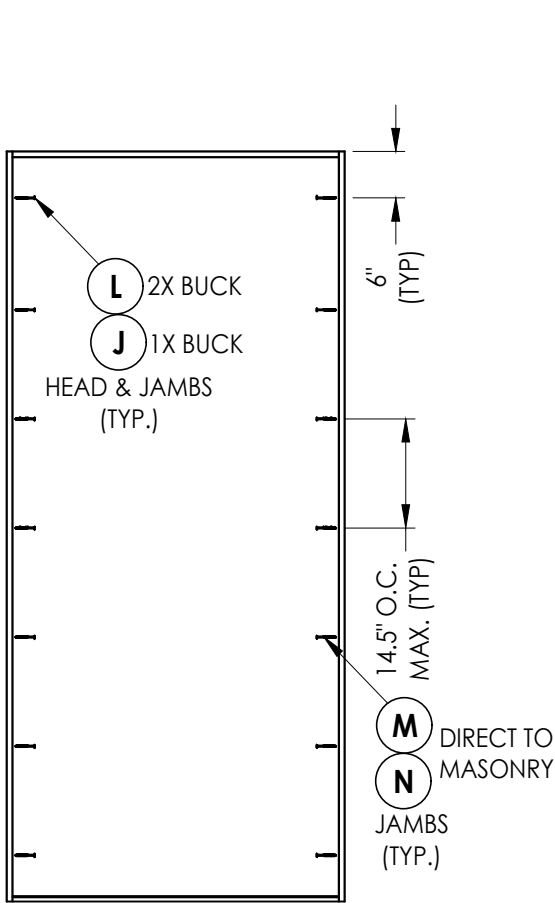
SHEET 7 of 10

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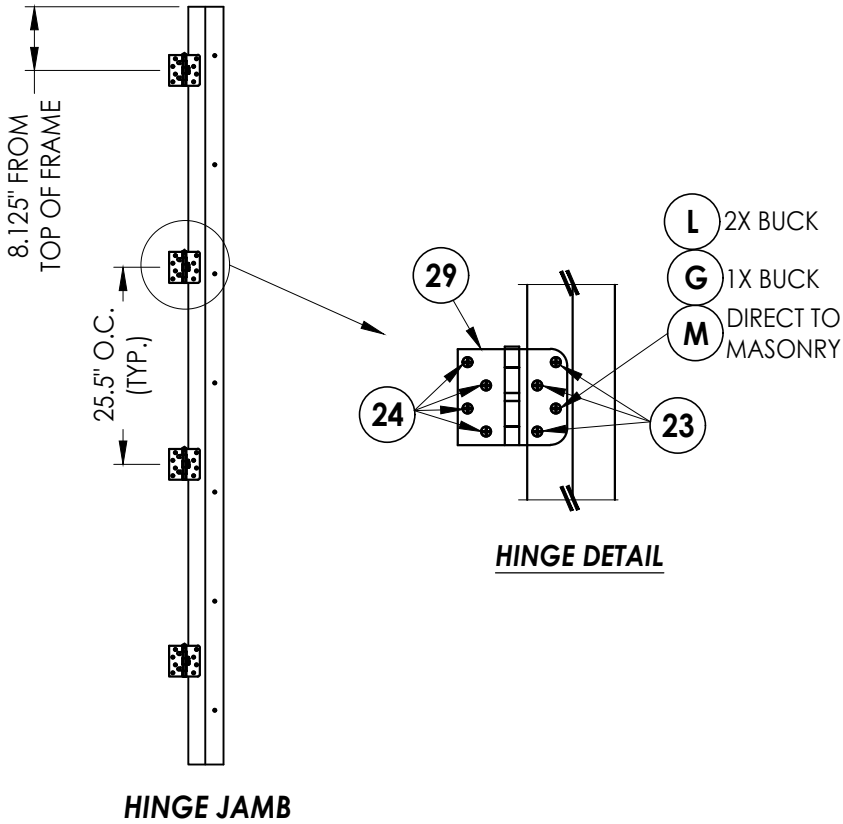


2X BUCK ANCHORING

2X BUCK ANCHORING

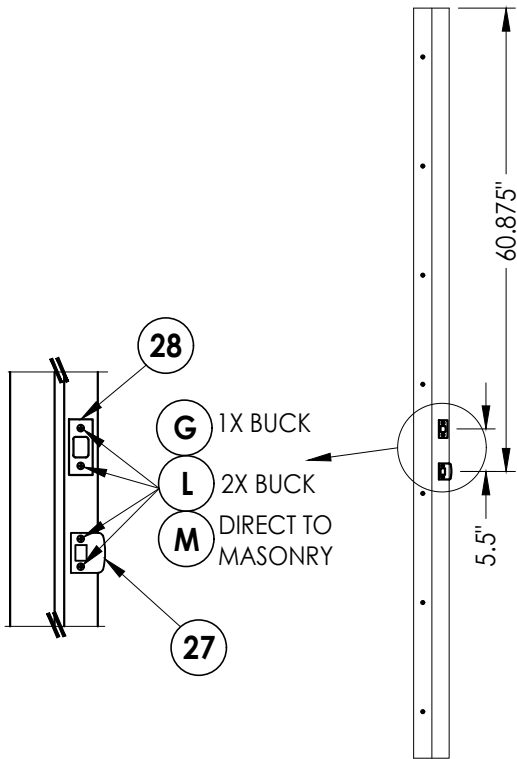


FRAME ANCHORING



HINGE JAMB

HINGE DETAIL



LATCH & DEADBOLT STRIKE PLATE DETAILS

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 ULTRA CON+®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	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.

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FBPE Registry No. 9813

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING
& HARDWARE 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
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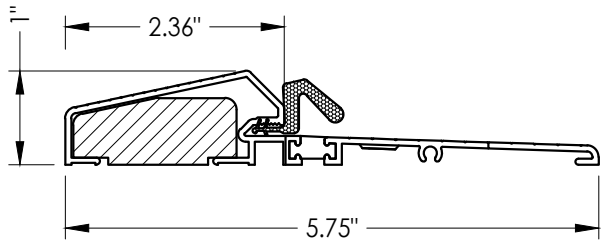
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DWG. BY: RW

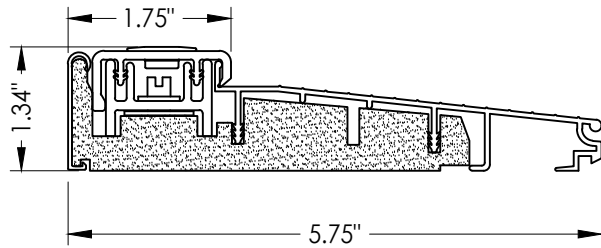
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DRAWING NO.: FL-23955.9

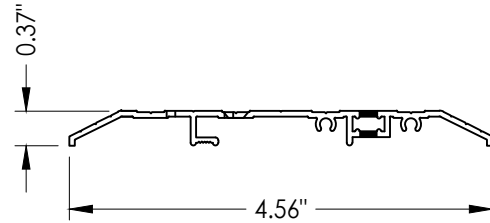
SHEET 8 OF 10



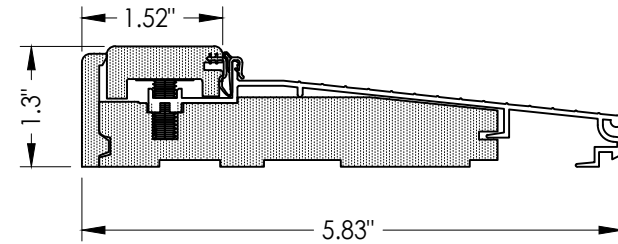
14 **OUTSWING THRESHOLD**



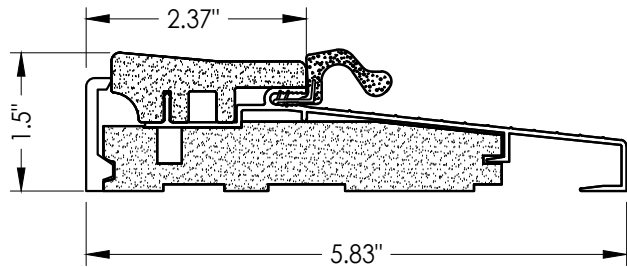
13 **INSWING THRESHOLD**
Adjustable



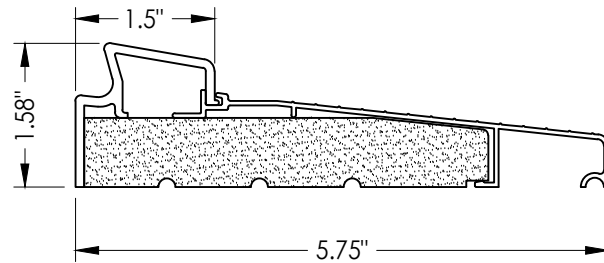
18 **PUBLIC ACCESS THRESHOLD**



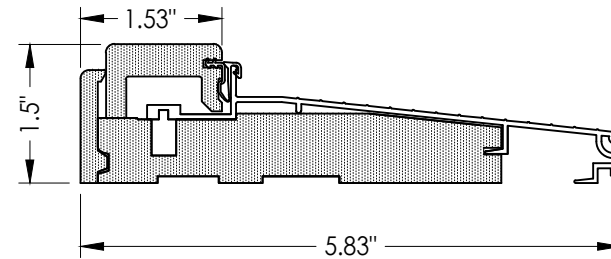
19 **INSWING THRESHOLD**
Adjustable



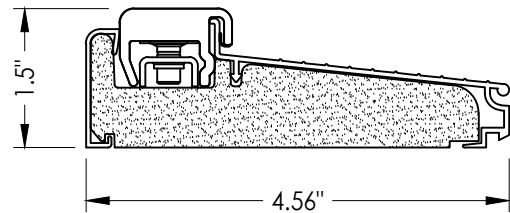
16 **OUTSWING THRESHOLD**



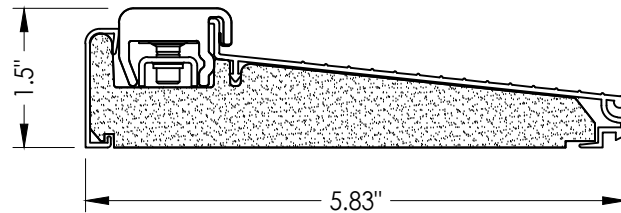
17 **INSWING THRESHOLD**
Basic Fixed



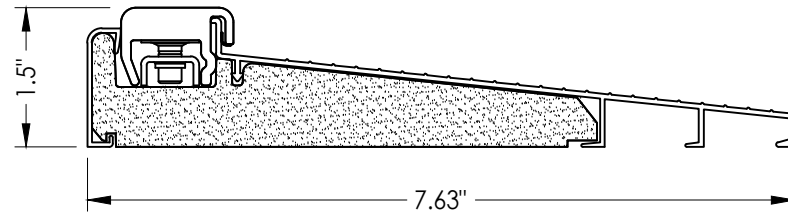
20 **INSWING THRESHOLD**
Adjustable



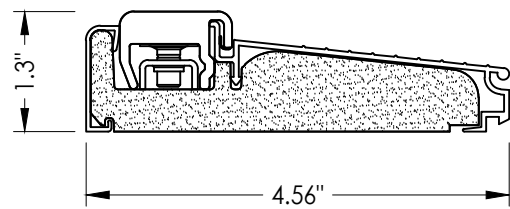
50 **INSWING THRESHOLD**
Inswing Composite Adjustable Sill
Book, Hybrid



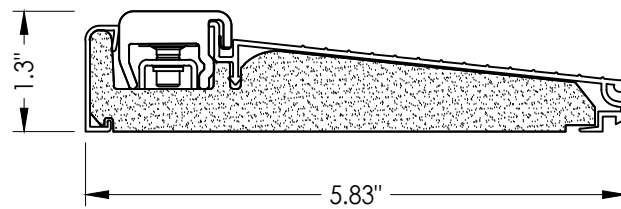
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Inswing Composite Adjustable Sill
Book, Hybrid



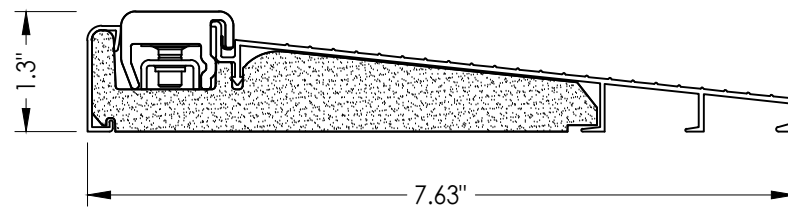
52 **INSWING THRESHOLD**
Inswing Composite Adjustable Sill
Book, Hybrid



53 **INSWING THRESHOLD**
Inswing Composite Adjustable Sill
U1



54 **INSWING THRESHOLD**
Inswing Composite Adjustable Sill
U1



55 **INSWING THRESHOLD**
Inswing Composite Adjustable Sill
U1

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FBPE Registry No. 9813

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

COMPONENTS

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: 3/24/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-23955.9

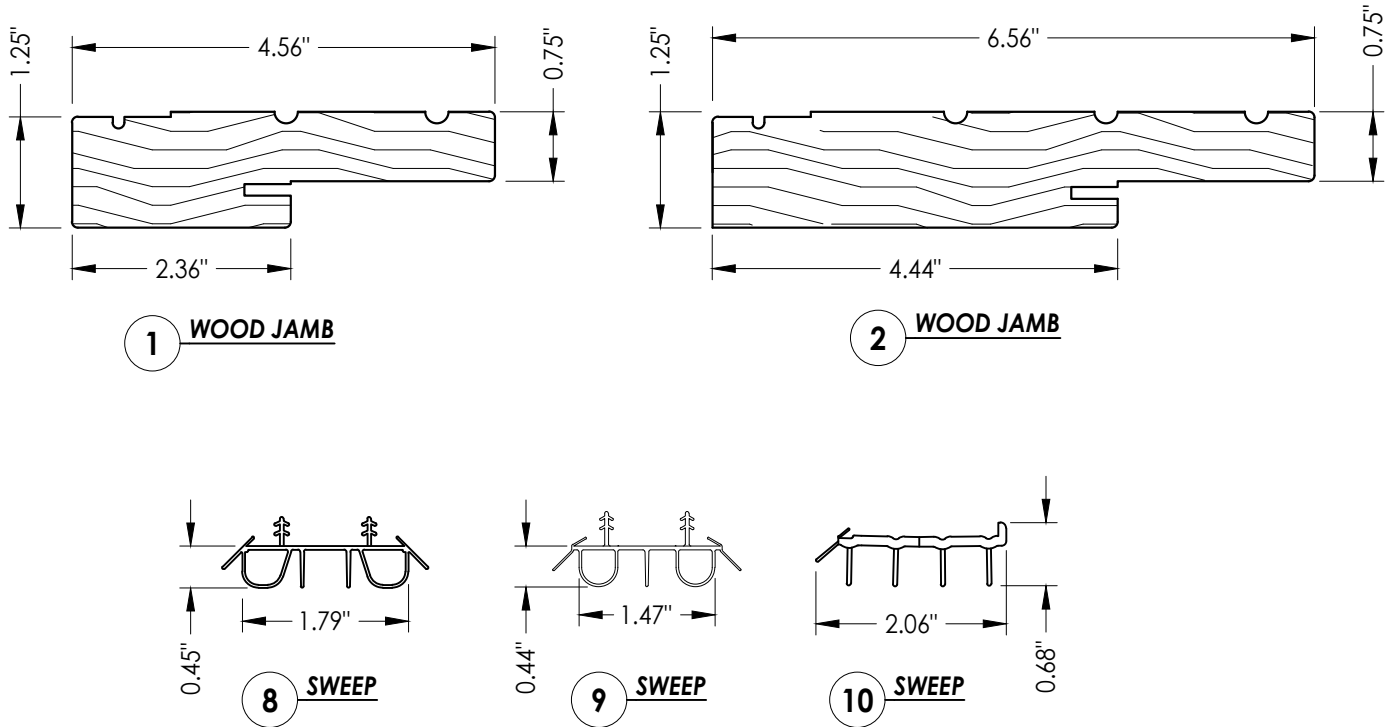
SHEET 9 OF 10

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



DATE: 3/24/20		DRAWING NO.: FL-23955.9		CHK. BY: LFS		DWG. BY: RW		SCALE: N.T.S.		DATE: 3/24/20	
NO.		DATE		NO.		DATE		NO.		DATE	
1		8/05/20		1		8/05/20		1		8/05/20	
2		8/22/23		2		8/22/23		2		8/22/23	
3		7/01/26		3		7/01/26		3		7/01/26	
FBC		UPDATE TO 7th ED (2020)		FBC		UPDATE TO 7th ED (2020)		FBC		UPDATE TO 7th ED (2020)	
LFS		UPDATE TO 8th ED. (2023)		LFS		UPDATE TO 8th ED. (2023)		LFS		UPDATE TO 8th ED. (2023)	
FBC		UPDATE TO 9TH ED. (2026)		FBC		UPDATE TO 9TH ED. (2026)		FBC		UPDATE TO 9TH ED. (2026)	
LFS				LFS				LFS			
PART OR ASSEMBLY:		COMPONENTS & BILL OF MATERIALS		PART OR ASSEMBLY:		COMPONENTS & BILL OF MATERIALS		PART OR ASSEMBLY:		COMPONENTS & BILL OF MATERIALS	
THERMA-TRU FIBERGLASS DOOR		THERMA-TRU FIBERGLASS DOOR		THERMA-TRU FIBERGLASS DOOR		THERMA-TRU FIBERGLASS DOOR		THERMA-TRU FIBERGLASS DOOR		THERMA-TRU FIBERGLASS DOOR	
PRODUCT:		PRODUCT:		PRODUCT:		PRODUCT:		PRODUCT:		PRODUCT:	
Documents Prepared By:		Documents Prepared By:		Documents Prepared By:		Documents Prepared By:		Documents Prepared By:		Documents Prepared By:	
Lyndon F. Schmidt		Lyndon F. Schmidt		Lyndon F. Schmidt		Lyndon F. Schmidt		Lyndon F. Schmidt		Lyndon F. Schmidt	
P.E. No. 43409		P.E. No. 43409		P.E. No. 43409		P.E. No. 43409		P.E. No. 43409		P.E. No. 43409	
RW BUILDING CONSULTANTS, INC.		RW BUILDING CONSULTANTS, INC.		RW BUILDING CONSULTANTS, INC.		RW BUILDING CONSULTANTS, INC.		RW BUILDING CONSULTANTS, INC.		RW BUILDING CONSULTANTS, INC.	
P.O. Box 230, Valrico, FL 33595		P.O. Box 230, Valrico, FL 33595		P.O. Box 230, Valrico, FL 33595		P.O. Box 230, Valrico, FL 33595		P.O. Box 230, Valrico, FL 33595		P.O. Box 230, Valrico, FL 33595	
Phone No.: 813.659.9197		Phone No.: 813.659.9197		Phone No.: 813.659.9197		Phone No.: 813.659.9197		Phone No.: 813.659.9197		Phone No.: 813.659.9197	
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SHEET 10 OF 10		SHEET 10 OF 10		SHEET 10 OF 10		SHEET 10 OF 10		SHEET 10 OF 10		SHEET 10 OF 10	