

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

98" MAX. O.A.
FRAME HEIGHT (INSWING)

97.25" MAX. O.A.
FRAME HEIGHT (OUTSWING)

43.75" MAX. O.A.
FRAME WIDTH

CLASSIC CRAFT
"Rustic"
Arch Top

43.75" MAX. O.A.
FRAME WIDTH

CLASSIC CRAFT
"Rustic"
Radius Top

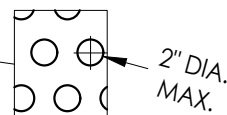
1. This product evaluation drawing has been developed in compliance with the 8th Edition (2023) Florida Building Code (FBC) including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ" this product complies with Section 1626 of the FBC and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations using coastal sill item #21 under active doors meet water infiltration requirements for the "HVHZ".
8. Inswing configurations and outswing configurations (other than sill item #21) under active doors do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.

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6	Buck & Frame Anchoring & Hardware Details
7	Bill of Materials and Components

CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	+65.0	-65.0	+65.0	-65.0

DATE: 4/21/20		PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
SCALE: N.T.S.					
DWG. BY: RW					
CHK. BY: LFS					
DRAWING NO.: FL-23957.10					
SHEET 1 OF 7		PART OR ASSEMBLY:		TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
		LFS			
		FBC			
		FBC			
		BY			
		REVISIONS			
		NO.		DATE	
		2		7/24/23	
		UPDATE TO 8TH ED. (2023)		FBC	
		1		7/23/20	
		UPDATE TO 7TH ED (2020)		FBC	

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STEEL REINFORCEMENT
28.86% OPEN
AREA MAX.

Technical drawing of a double door. The overall width is labeled as 41.94" DOOR WIDTH. The overall height is labeled as 95.25" DOOR HEIGHT. The drawing includes two circular callouts: one labeled 4/2 at the top center and another labeled 1/2 on the left side. The door features a large arched window at the top and two smaller rectangular windows at the bottom.

Technical drawing of a double door. The overall width is labeled as 41.75" DOOR WIDTH. The overall height is labeled as 95.25" DOOR HEIGHT. The door features a double top arch and four rectangular panels (two on each side). A circular callout at the top center indicates 4 panels divided into 2 sections. A circular callout on the left side indicates 2 panels divided into 2 sections. A small circle with a horizontal line through it is located on the right side of the door.

Technical drawing of a double door. The overall width is 41.75" DOOR WIDTH. The overall height is 95.06" DOOR HEIGHT. The door features a double top panel with a semi-circular arch and two vertical panels. The door is divided into four main sections by a central vertical line and a horizontal line. The top section is a semi-circular arch. The middle section consists of two vertical panels. The bottom section consists of two rectangular panels. The door is shown with a handle and a lock on the right side.

Dimensions:

- 41.75" DOOR WIDTH
- 95.06" DOOR HEIGHT

Panel Details:

- Top panel: 3/2 (indicating a 3/2 inch panel)
- Middle panel: 2/2 (indicating a 2/2 inch panel)
- Bottom panel: 2/2 (indicating a 2/2 inch panel)

VARIES 1.44" TO 10.44"

TOP RAIL (COMP.)

STEEL REINFORCEMENT (0.023" THK.)

FOAM CORE

VARIES 1.44" TO 10.44"

0.94"

FIBERGLASS SKIN

BOTTOM RAIL (COMP.)

1.7"

0.94"

1.7"

The technical drawings show four cross-sections of the composite panel. The top two sections show the top rail (compressed) and the internal structure including steel reinforcement (0.023" thick) and a foam core. The height of this section varies from 1.44" to 10.44". The bottom two sections show the bottom rail (compressed) and the fiberglass skin. The height of this section is 0.94", and the width is 1.7".

4 VERTICAL CROSS SECTION
2

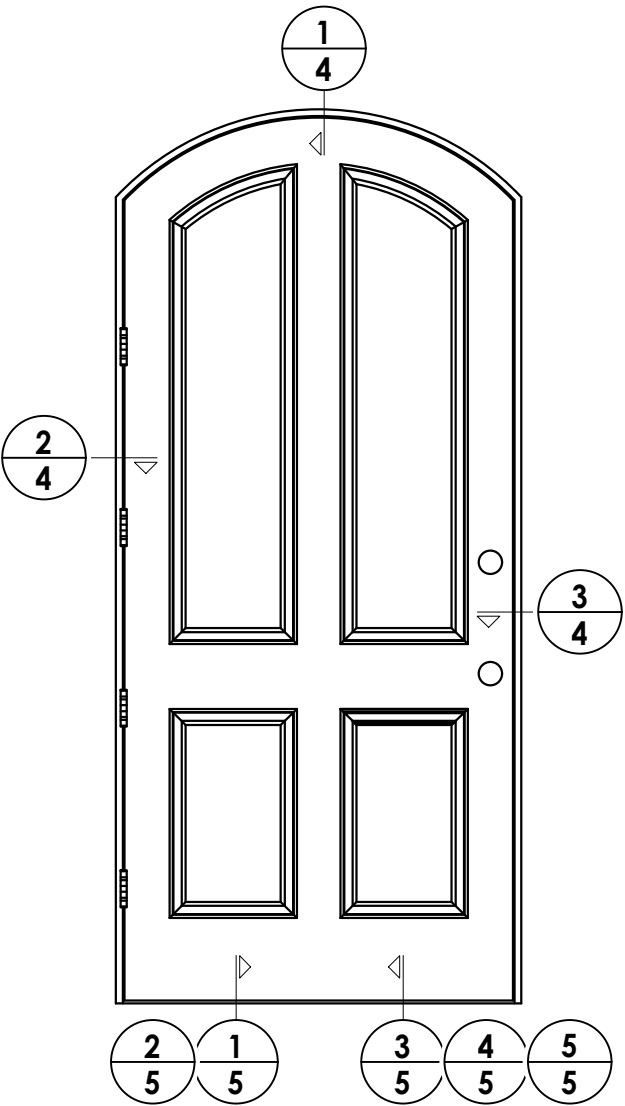


2 3 HORIZONTAL CROSS SECTION

FIBERGLASS DOOR SKIN: 0.125" MIN. THK.
FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)

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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)

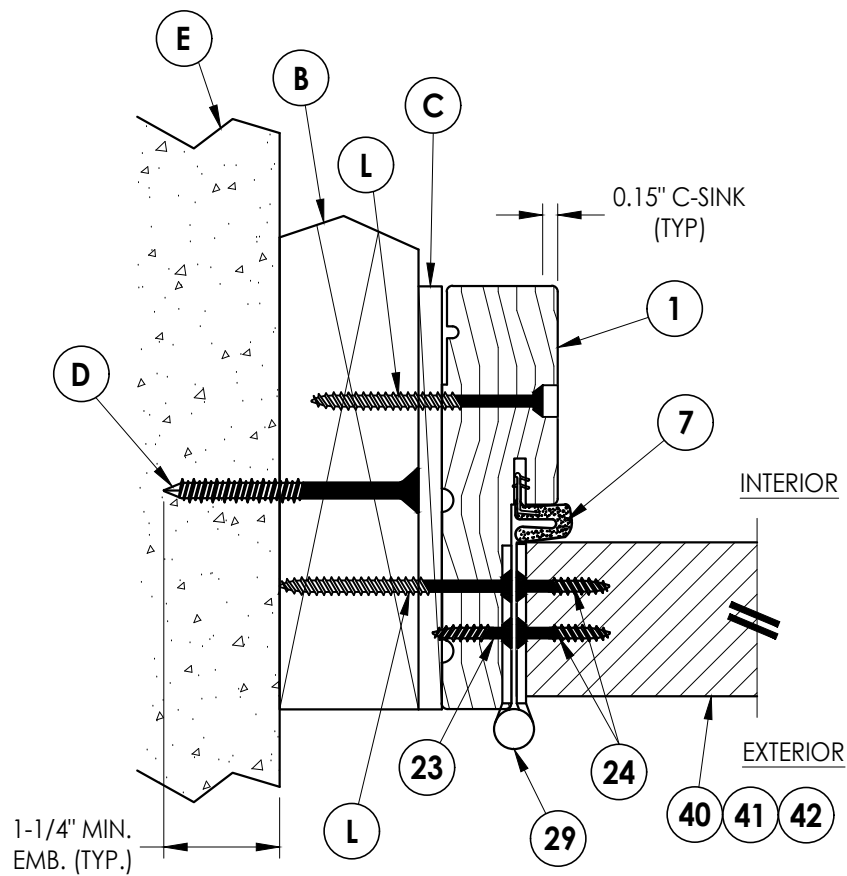
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PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	ELEVATIONS

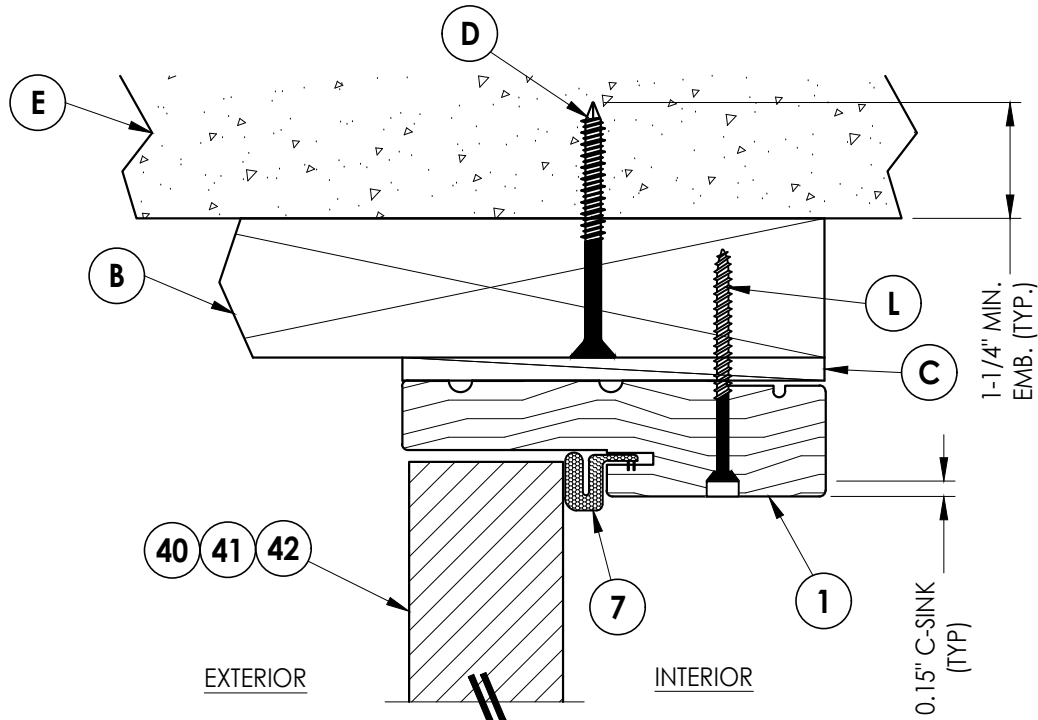
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Phone No.: 813.659.9197
FBPE Registry No. 9813

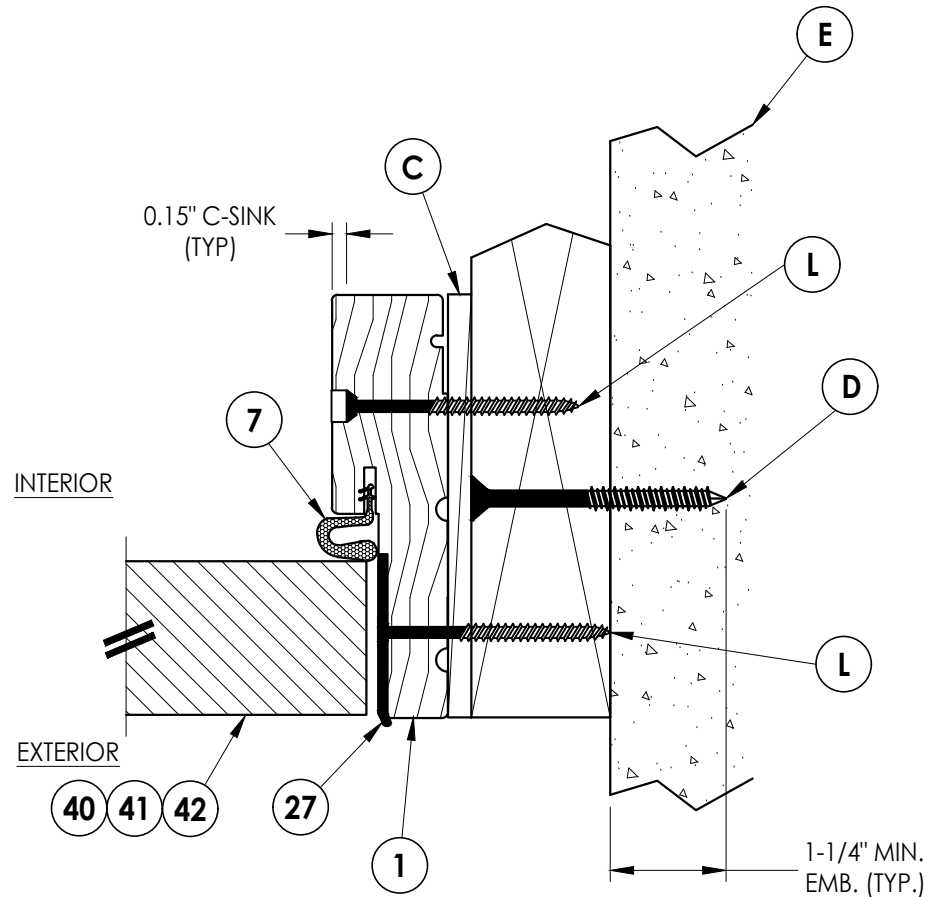
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2 HORIZONTAL CROSS SECTION
Shown w/ 2X Buck
Outswing shown (Inswing similar)



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



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

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PRODUCT: 7 FIBERGLASS DOOR
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)

REVISIONS		NO.	DATE	BY
2	7/24/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS

DATE: 4/21/20
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-23957.10
SHEET 4 OF 7

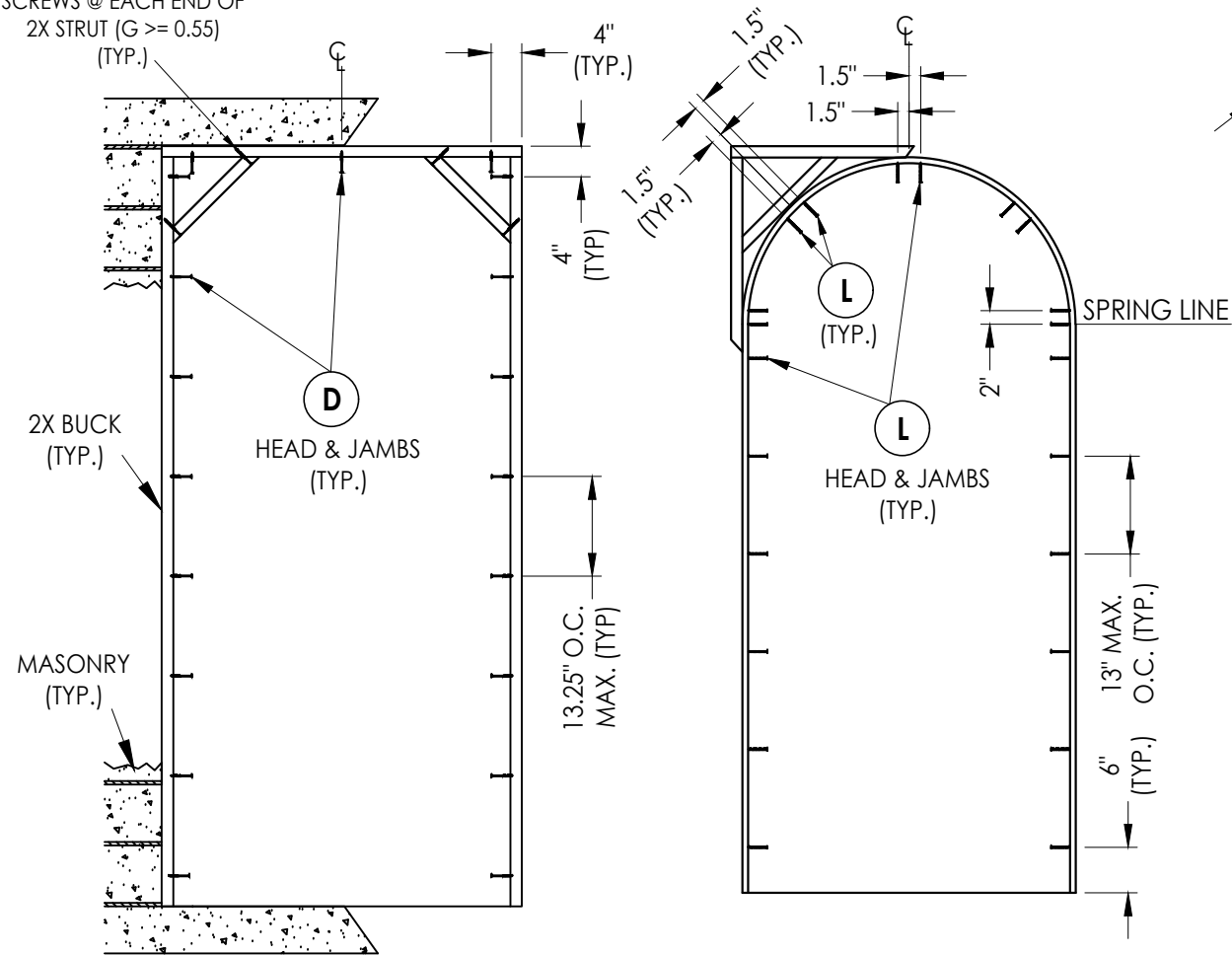
1. Sill Item #'s 13, 16, 17, 19, 20, 43, 44, 45, 46, 47 & 48 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item #'s 14, & 21 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
Sill Item #18 is attached to jambs utilizing (2) #10 X 1-1/2" pph screws at each end.



DATE: 4/21/20						DRAWING NO.: FL-23957.10							
SCALE: N.T.S.						CHK. BY: LFS							
DWG. BY: RW						SHEET 5 OF 7							
						NO.	DATE					REVISIONS	
						1	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS			
						2	7/24/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
<u>PRODUCT:</u>						<u>PART OR ASSEMBLY:</u>						VERTICAL CROSS SECTIONS (THRESHOLDS)	
THERMA-TRU FIBERGLASS DOOR													
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													

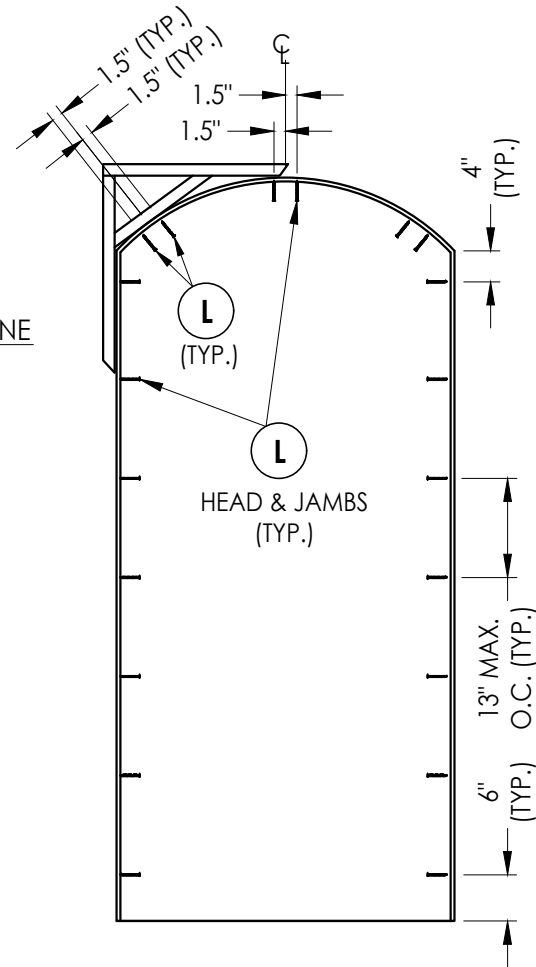
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ARCH & RADIUS TOP
(2) #10 X 3" WOOD
SCREWS @ EACH END OF
2X STRUT (G >= 0.55)
(TYP.)

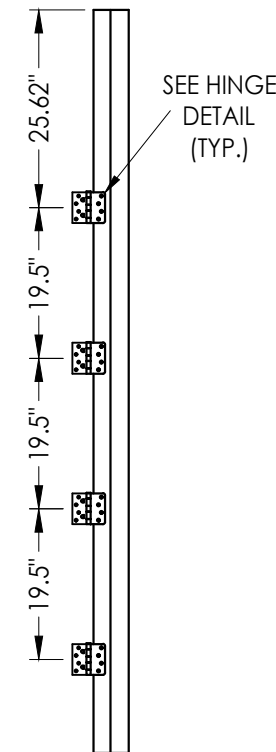


2X BUCK ANCHORING

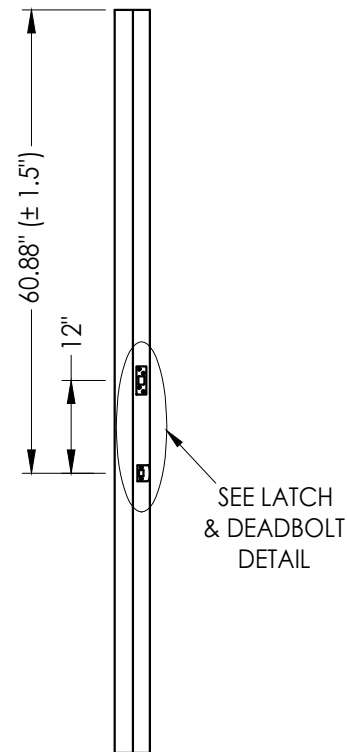
FRAME ANCHORING
Radius Top



FRAME ANCHORING
Arch Top



HINGE JAMB



STRIKE JAMB

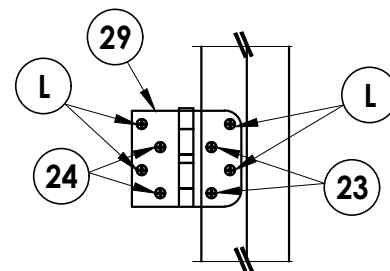
CONCRETE ANCHOR NOTES:

- 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:

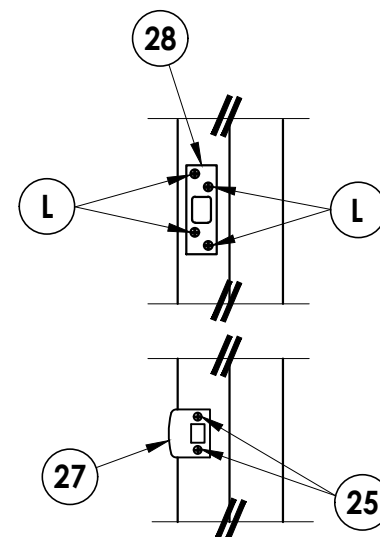
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

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.



HINGE DETAIL



LATCH & DEADBOLT DETAIL

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PRODUCT: **THERMA-TRU
FIBERGLASS DOOR**

PART OR ASSEMBLY:
**BUCK & FRAME ANCHORING
& HARDWARE DETAILS**

NO.	DATE	REVISIONS
2	7/24/23	UPDATE TO 8TH ED. (2023) FBC
1	7/23/20	UPDATE TO 7TH ED (2020) FBC

DATE: 4/21/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

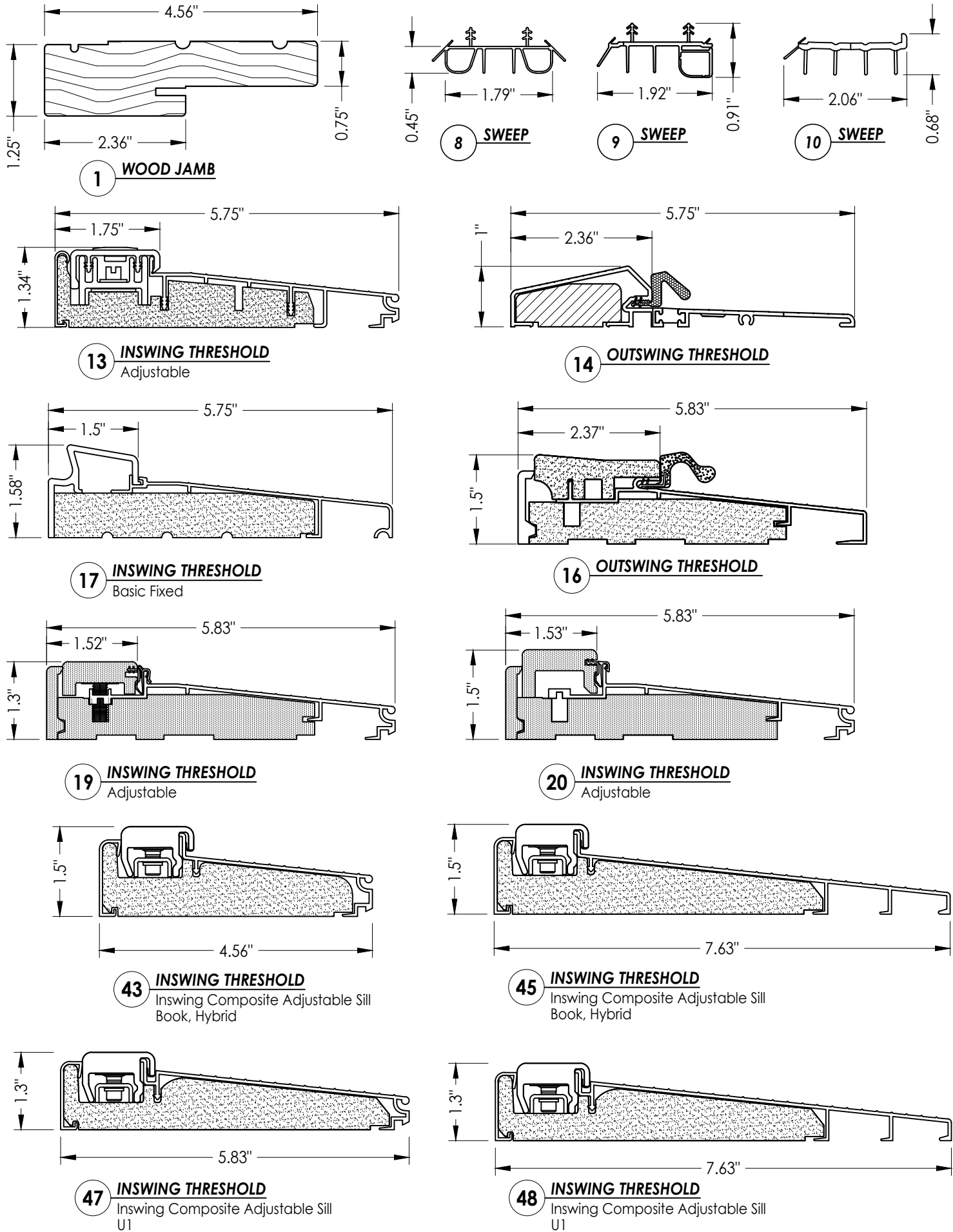
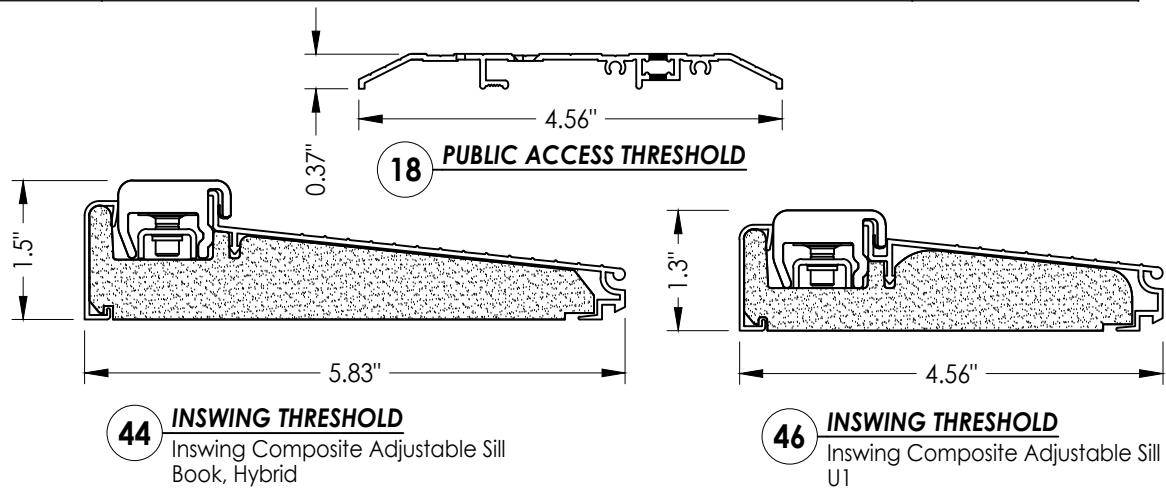
DRAWING NO.:

FL-23957.10

SHEET 6 OF 7

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
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
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	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
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
40	DOOR PANEL (BOOK DOOR)	-
41	DOOR PANEL (HYBRID DOOR)	-
42	DOOR PANEL (U1 DOOR)	-
43	NSWING THRESHOLD	ALUM/COMP
44	NSWING THRESHOLD	ALUM/COMP
45	NSWING THRESHOLD	ALUM/COMP
46	NSWING THRESHOLD	ALUM/COMP
47	NSWING THRESHOLD	ALUM/COMP
48	NSWING THRESHOLD	ALUM/COMP



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PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
2	7/24/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC LFS

DATE: 4/21/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-23957.10

SHEET 7 OF 7