

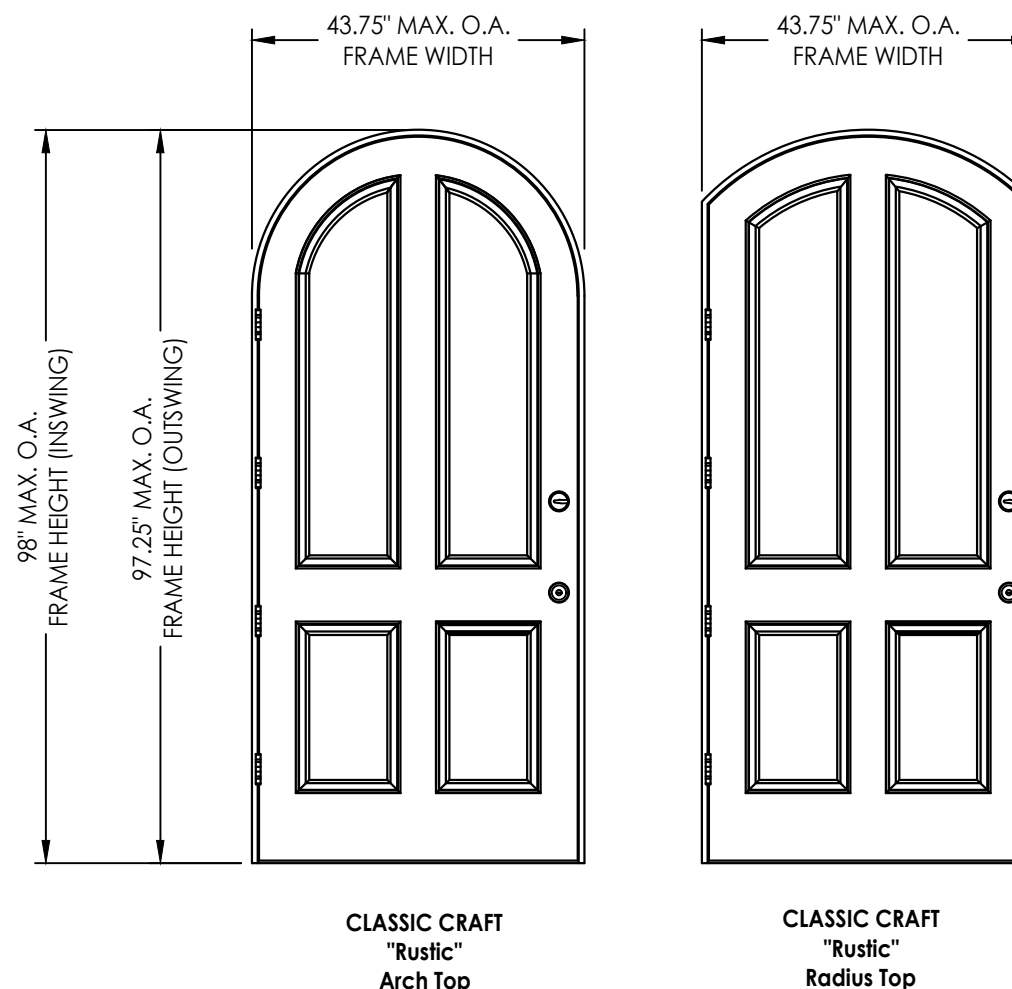
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

R⁹W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33486
Phone No.: 813.659.9197
FBPE Registry No. 9813

GENERAL NOTES

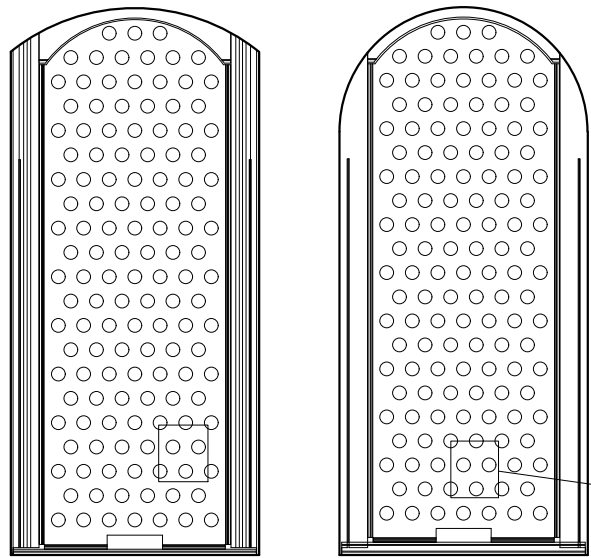
1. This product evaluation drawing has been developed in compliance with the 9th Edition (2026) Florida Building Code (FBC) including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall 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.
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.

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	Vertical Cross Sections (Thresholds)
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

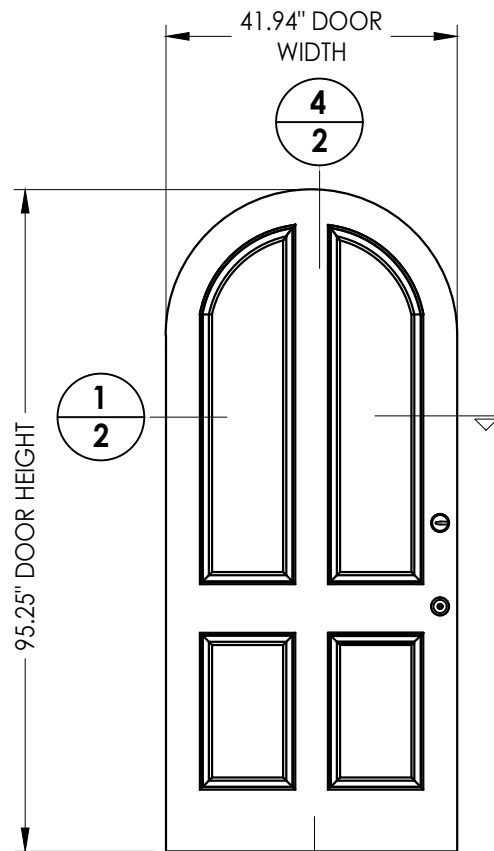
DATE:		4/21/20	
SCALE:		N.T.S.	
DWG. BY:		RW	
CHK. BY:		LFS	
DRAWING NO.:			
FL-23957.10			
SHEET		1	OF 7



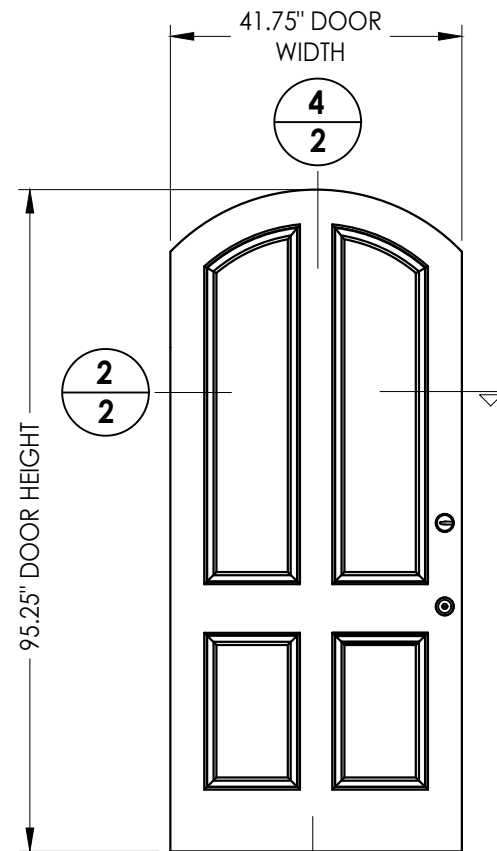
DOOR PANEL SECTIONS
PANEL REINFORCEMENT
(0.023" Thick Steel)

STEEL REINFORCEMENT
28.86% OPEN
AREA MAX.
2" DIA.
MAX.

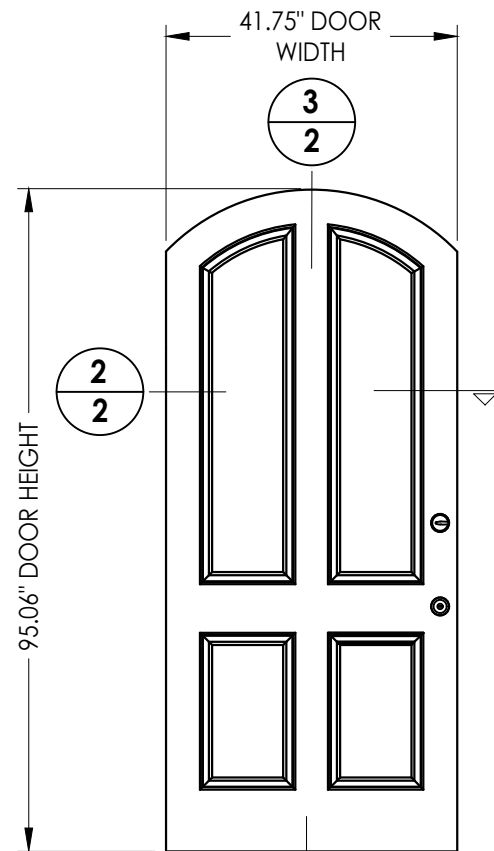
* #8 X 2.5" PFH WS (TYP. @ EACH DOOR CORNER)



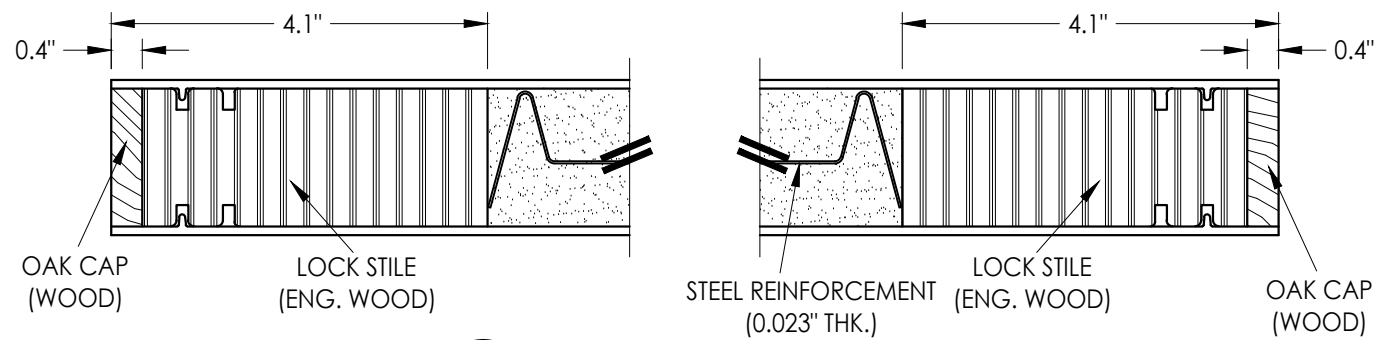
40 DOOR PANEL
Book Door



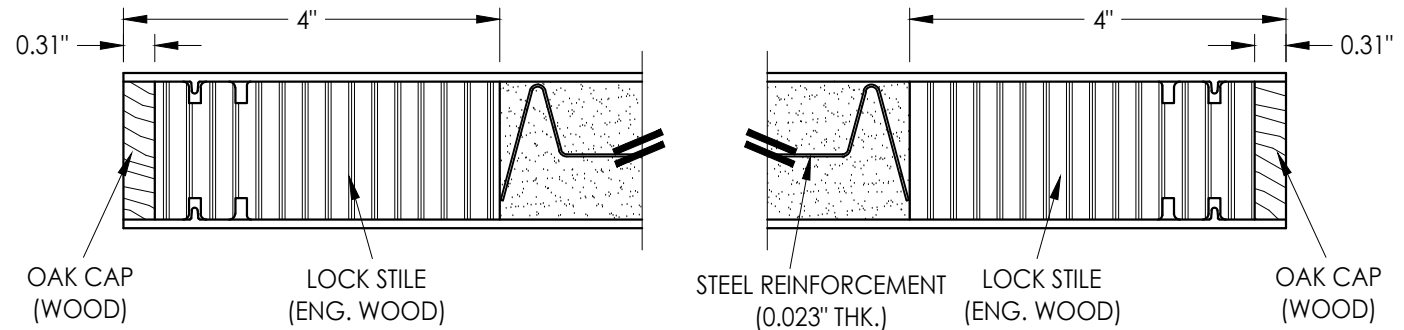
41 DOOR PANEL
Hybrid Door



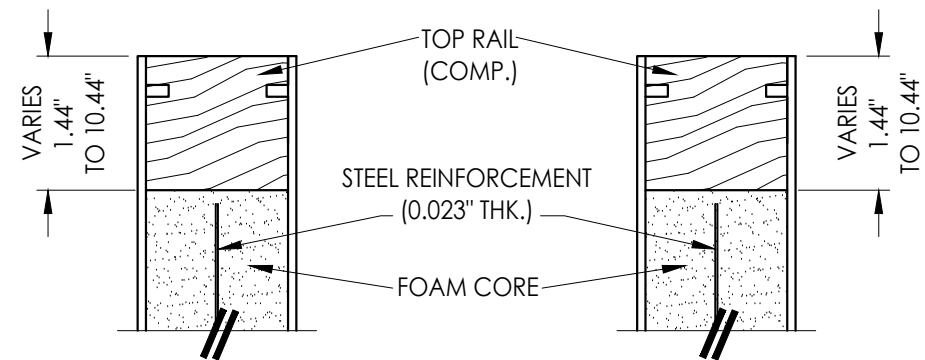
42 DOOR PANEL
U1 Door



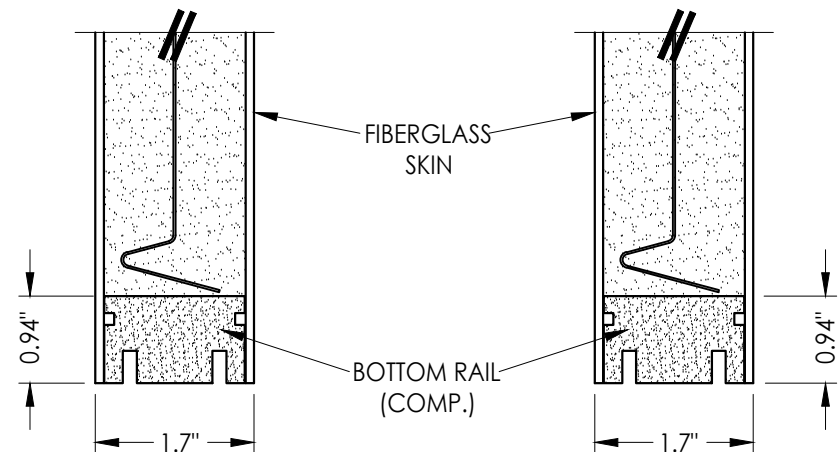
1 HORIZONTAL CROSS SECTION



2 HORIZONTAL CROSS SECTION



3 VERTICAL CROSS SECTION



4 VERTICAL CROSS SECTION

"Classic-Craft Rustic" SERIES DOOR PANEL

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

Documents Prepared By:
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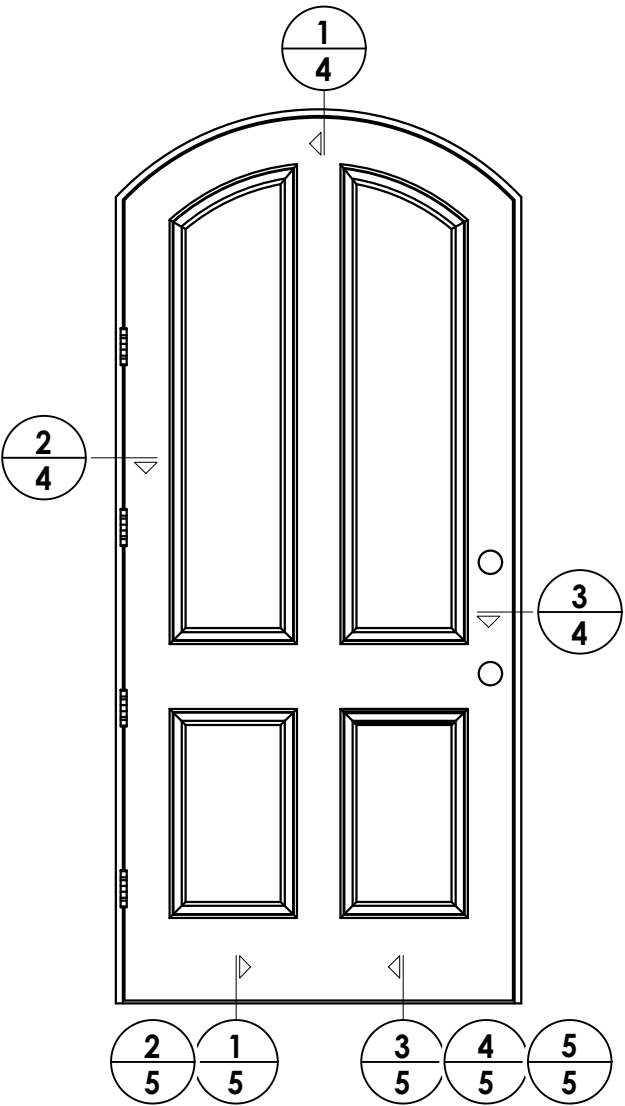
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL
DETAILS

NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	7/24/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC LFS

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SHEET	2 OF 7

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)

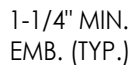
[illegible]

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY: ELEVATIONS

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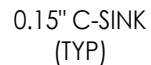
2 HORIZONTAL CROSS SECTION

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



1 4 **VERTICAL CROSS SECTION**

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

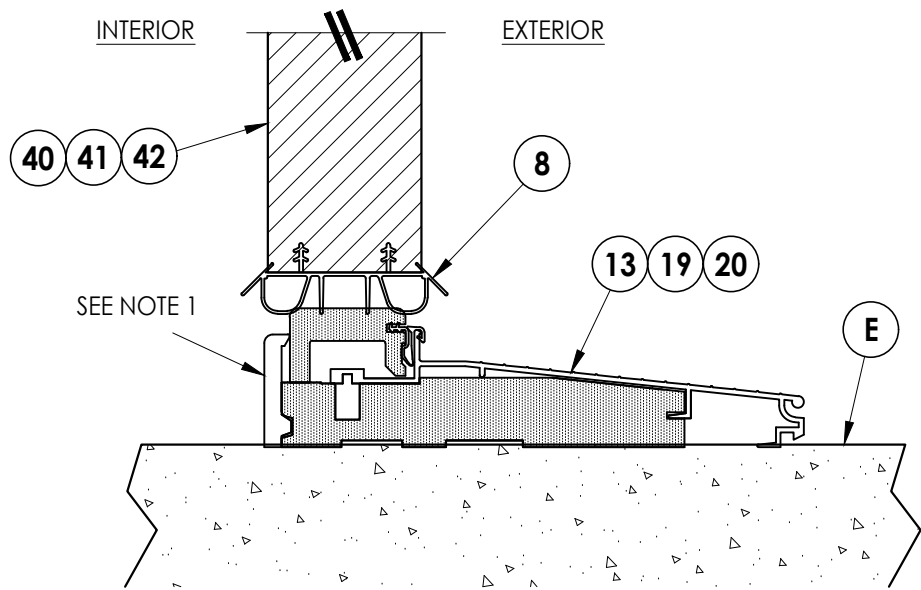


3 **HORIZONTAL CROSS SECTION**

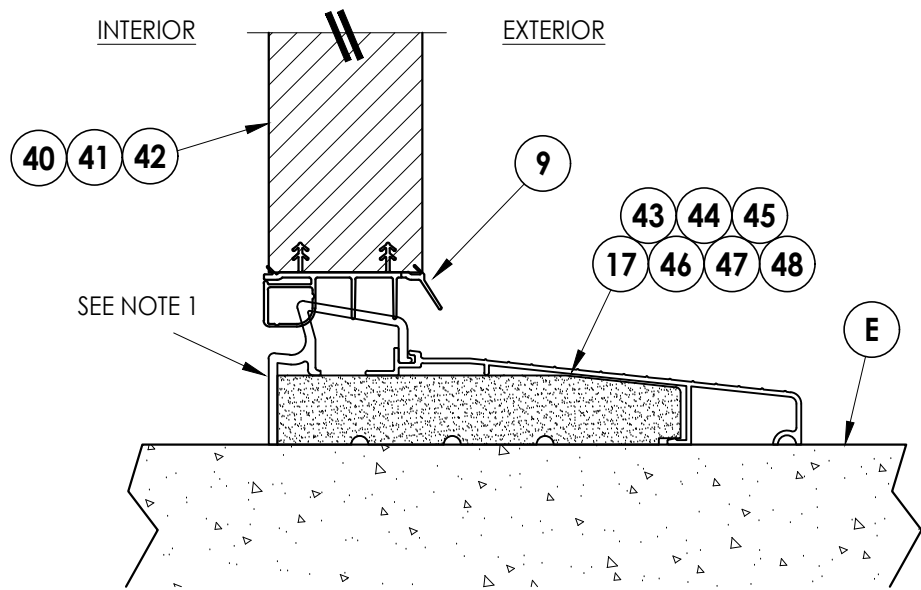
4 Shown w/ 2X Buck
Outswing shown (Inswing similar)

DATE: 4/21/20		SHEET 4 OF 7	
SCALE: N.T.S.		DRAWING NO.: FL-23957.10	
DWG. BY: RW		CHK. BY: LFS	
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1	7/23/20	UPDATE TO 7TH ED (2020)	FBC LFS
REVISIONS		BY	
PRODUCT:		PART OR ASSEMBLY:	
7 FIBERGLASS DOOR		HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
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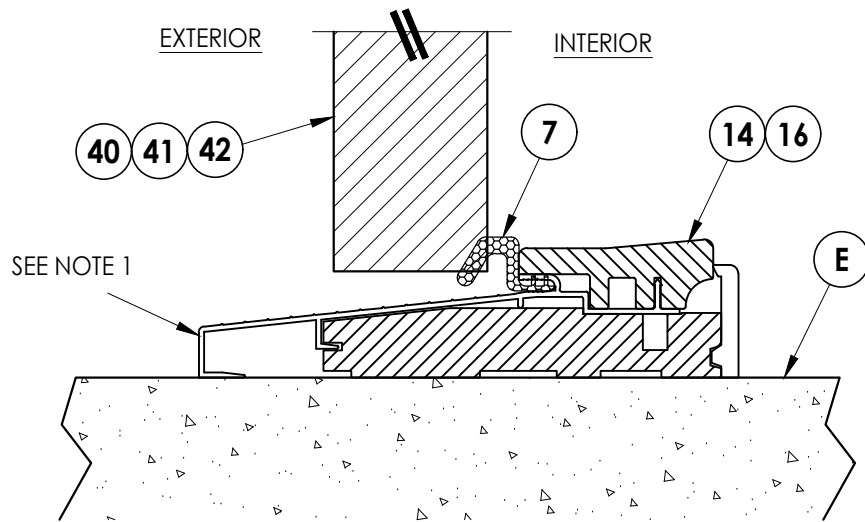
Notes:
1. Sill Item #'s 13, 16, 17, 19, 20, 43, 44, 45, 46, 47 & 48 are attached to jambs w/ (3) #8 X 2-1/2" pph screws at each end.
Sill Item #'s 14, & 21 are attached to jambs w/ (2) #8 X 2-1/2" pph screws at each end.
Sill Item #18 is attached to jambs utilizing (2) #10 X 1-1/2" pph screws at each end.



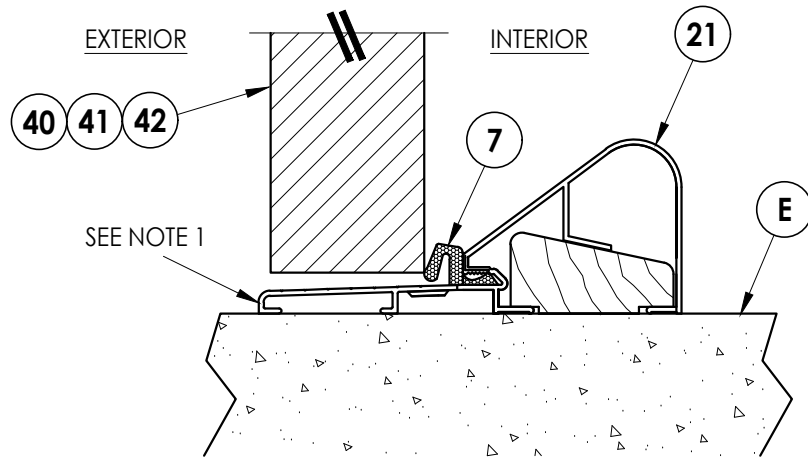
1
5 **VERTICAL CROSS SECTION**
Inswing Sill



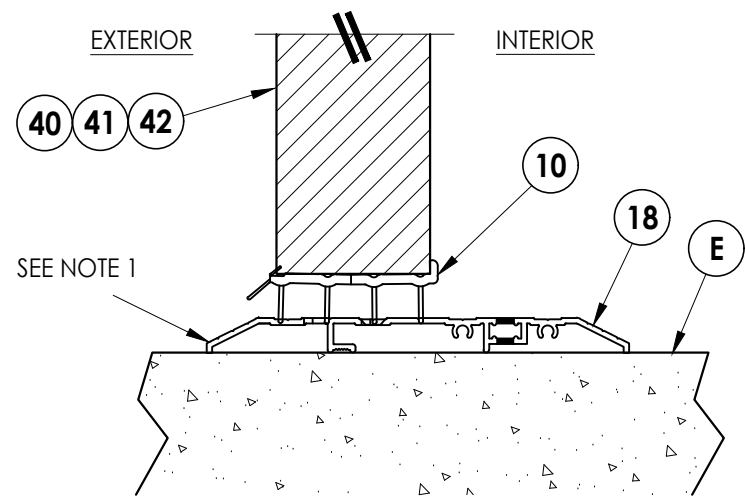
2
5 **VERTICAL CROSS SECTION**
Inswing Sill



3
5 **VERTICAL CROSS SECTION**
Outswing Sill



4
5 **VERTICAL CROSS SECTION**
Outswing Coastal Sill



5
5 **VERTICAL CROSS SECTION**
Public Access Sill

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS		
		BY	DATE	DESCRIPTION
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
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DATE: 4/21/20

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DWG. BY: RW

CHK. BY: LFS

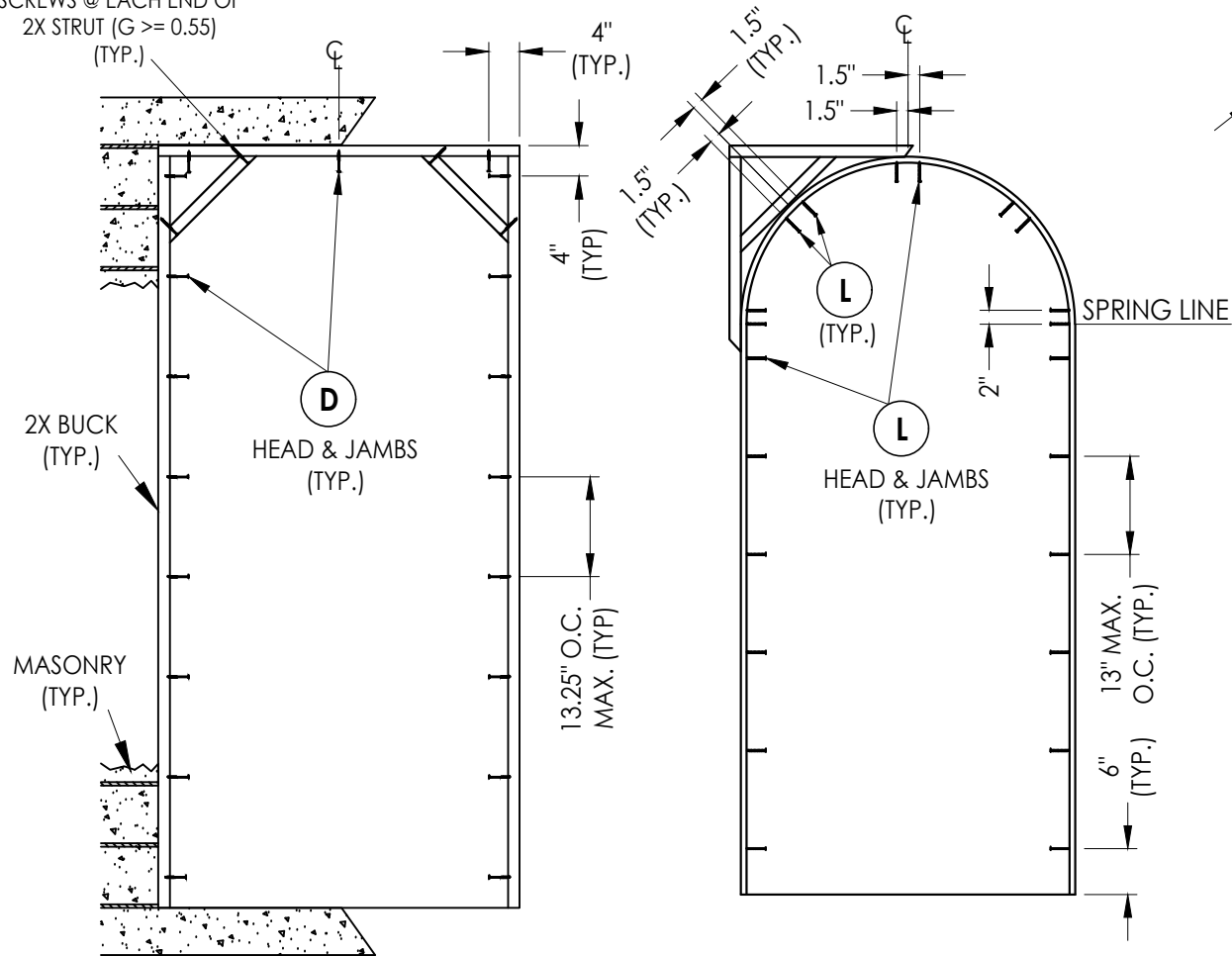
DRAWING NO.:

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SHEET 5 OF 7

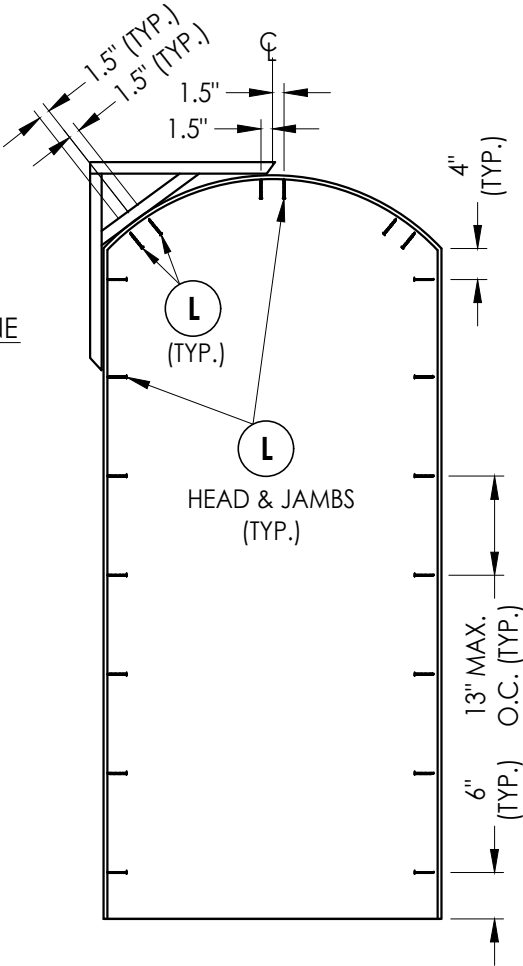
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ARCH & RADIUS TOP
(2) #10 X 3" WOOD
SCREWS @ EACH END OF
2X STRUT (G >= 0.55)
(TYP.)

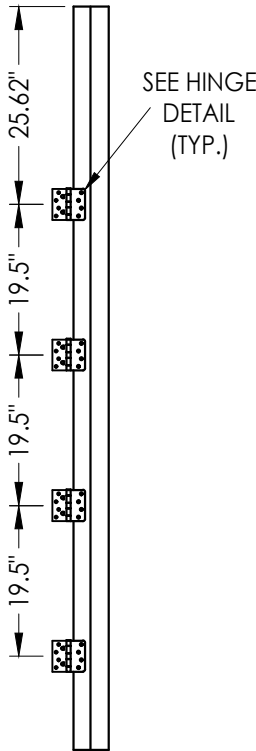


2X BUCK ANCHORING

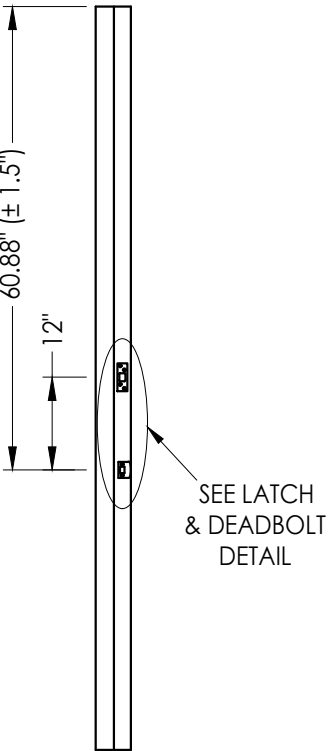
FRAME ANCHORING
Radius Top



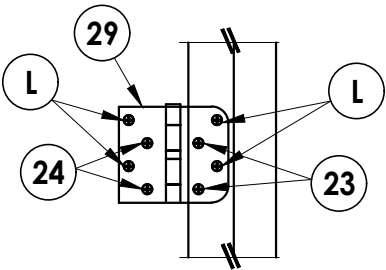
FRAME ANCHORING
Arch Top



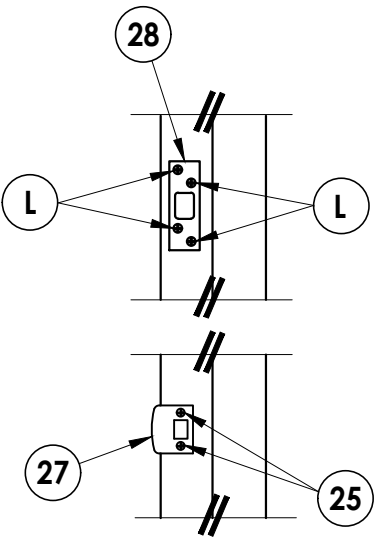
HINGE JAMB



STRIKE JAMB



HINGE DETAIL



LATCH & DEADBOLT DETAIL

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:

- 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.

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PRODUCT: **THERMA-TRU
FIBERGLASS DOOR**

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

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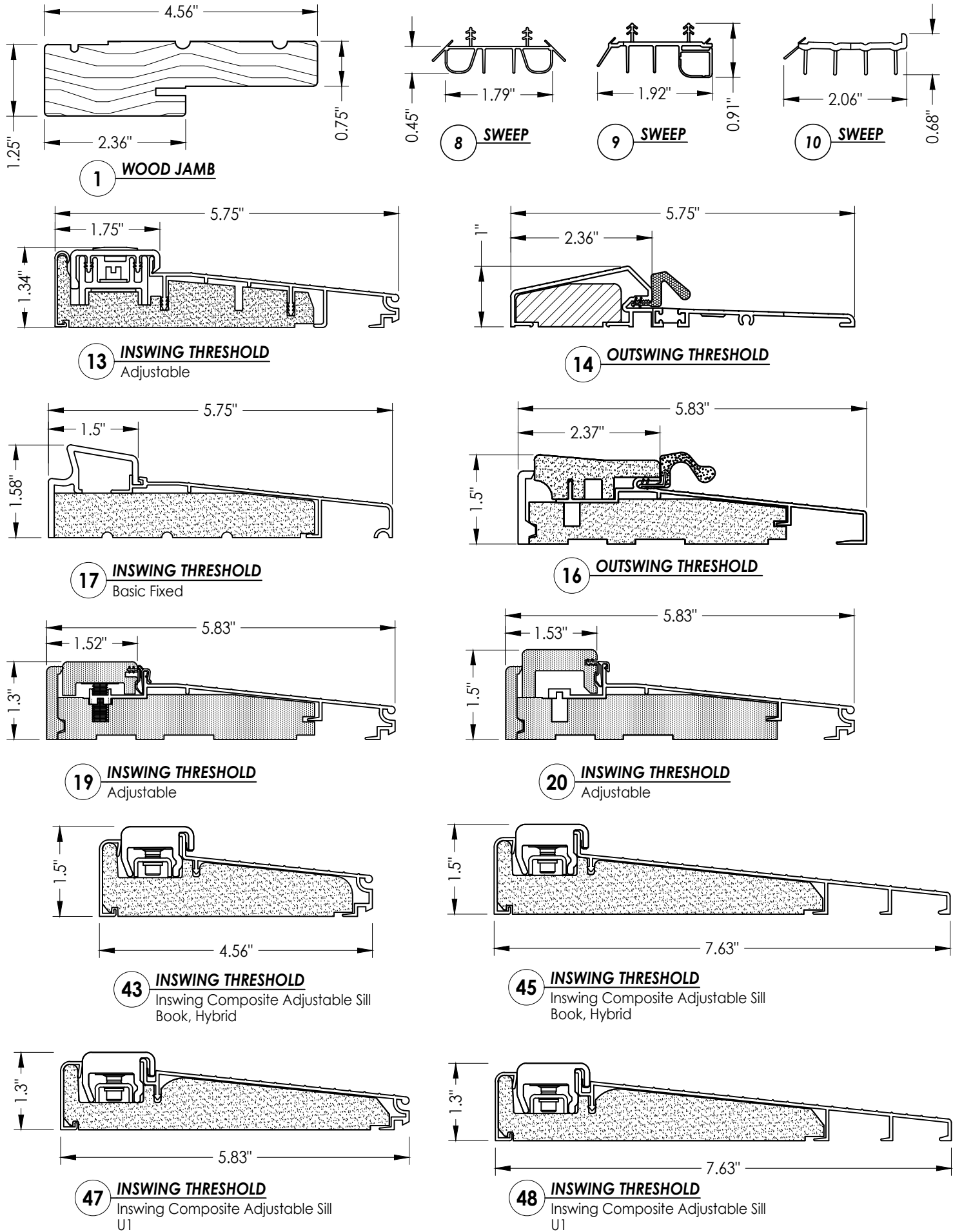
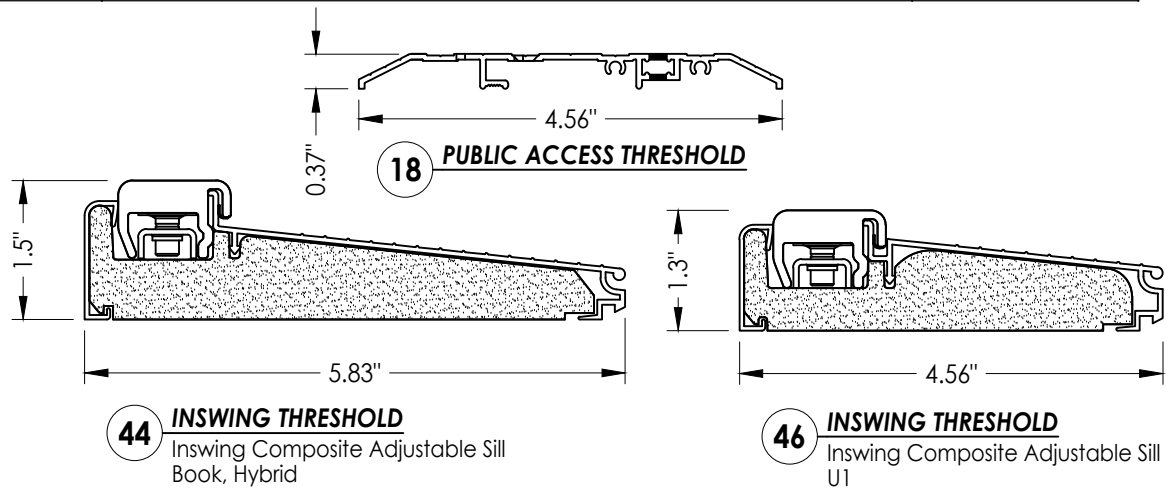
DRAWING NO.:

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

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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

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SHEET 7 OF 7