

L. F. SCHMIDT

LICENSE

No. 43409

STATE OF FLORIDA

PROFESSIONAL ENGINEER

Digitally signed by

Lyndon F Schmidt

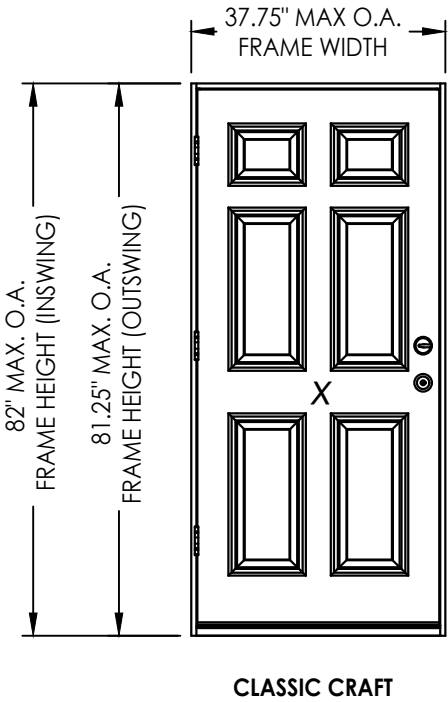
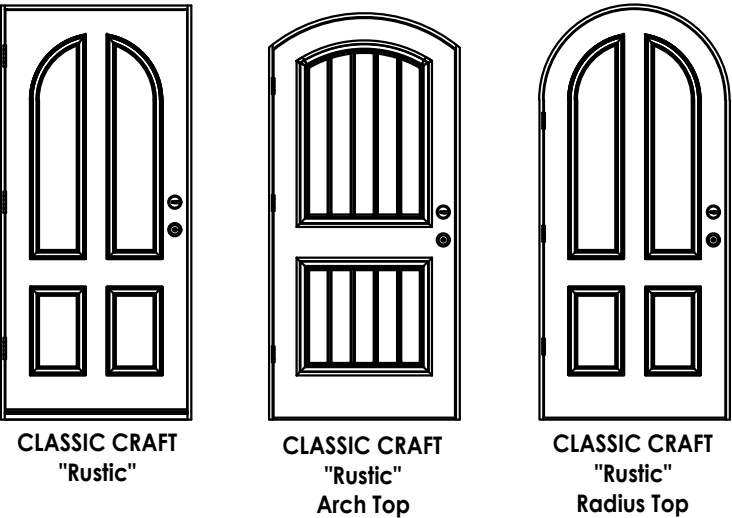
Date: 2026.08.08

09:09:04 -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



DOOR TYPE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
CLASSIC CRAFT	+100.0	-100.0	+100.0	-100.0
CLASSIC CRAFT "Rustic"	+90.0	-90.0	+90.0	-90.0
CLASSIC CRAFT "Rustic" Arch Top	+90.0	-95.0	+90.0	-95.0
CLASSIC CRAFT "Rustic" Radius Top	+65.0	-65.0	+65.0	-65.0

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.

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1	Typical Elevations, Design Pressures & General Notes	7	Horizontal & Vertical Cross Sections (Direct to Masonry)
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3	Door Panel Details	9	Buck Anchoring
4	Elevations	10	Frame Anchoring
5	Horizontal & Vertical Cross Sections (2X Buck)	11	Components
6	Horizontal & Vertical Cross Sections (1X Buck)	12	Bill of Materials

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:

TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

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

DATE: 4/21/20

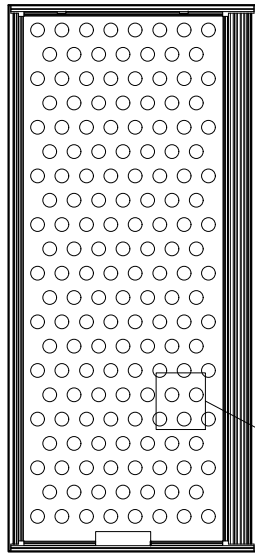
SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-23957.1

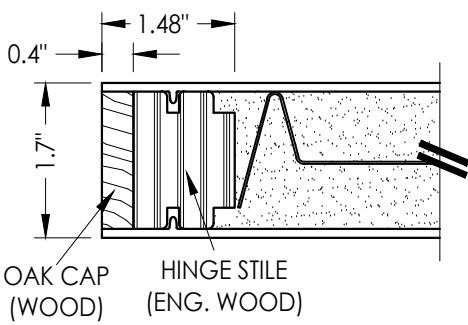
SHEET 1 OF 12



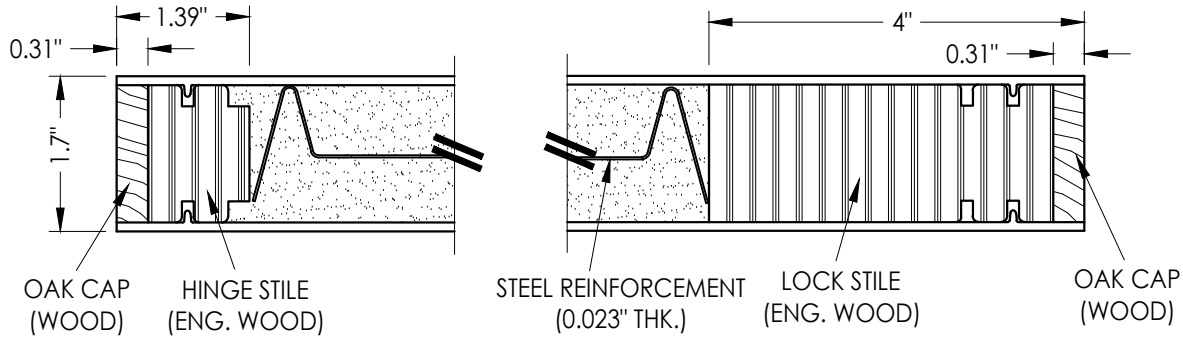
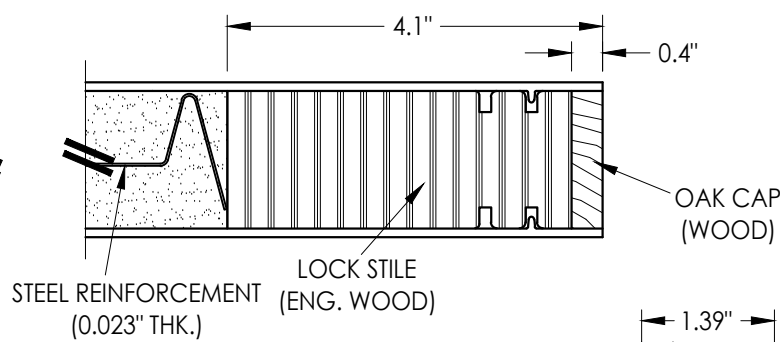
DOOR PANEL SECTION
PANEL REINFORCEMENT
(0.023" Thick Steel)

STEEL REINFORCEMENT
28.86% OPEN
AREA MAX.

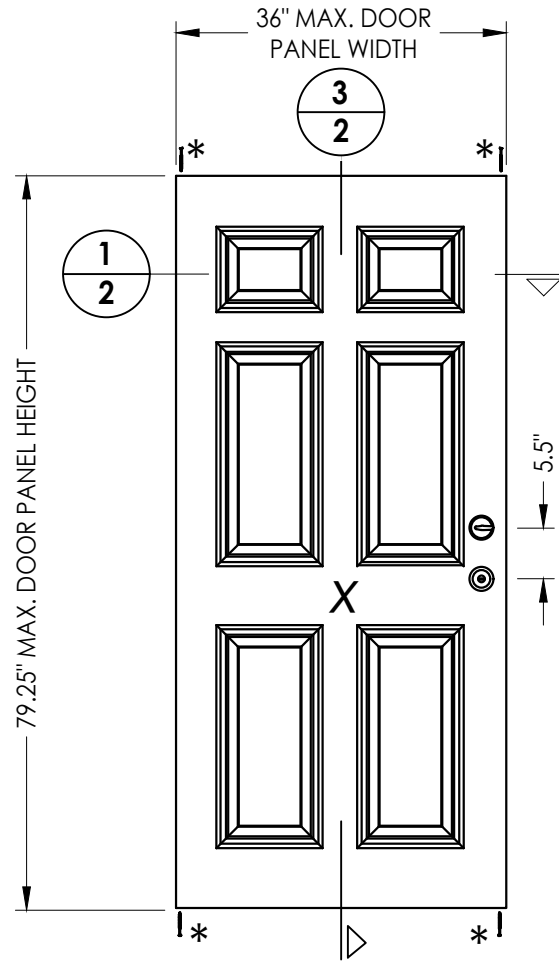
* #8 X 2.5" PFH WS (TYP. @ EACH DOOR CORNER)



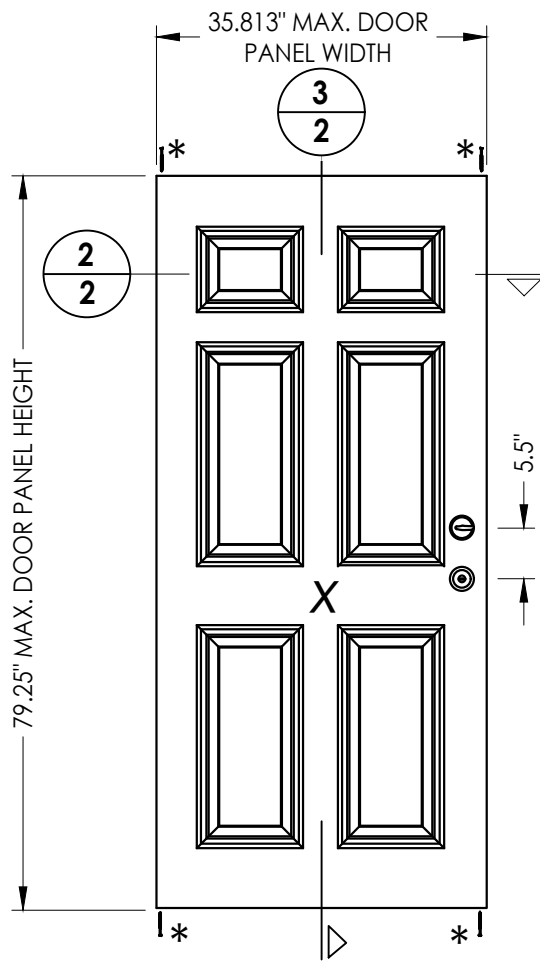
1
2 **HORIZONTAL CROSS SECTION**



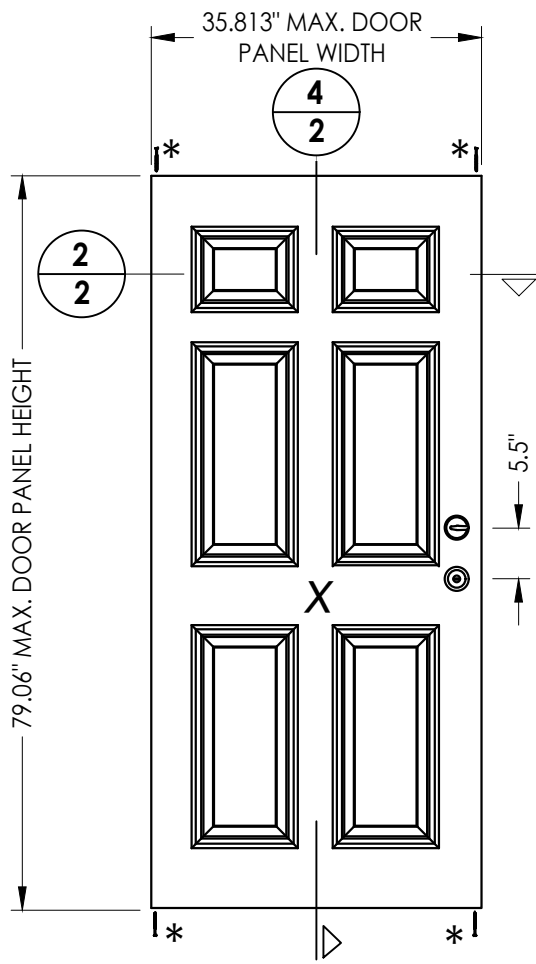
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2 **HORIZONTAL CROSS SECTION**



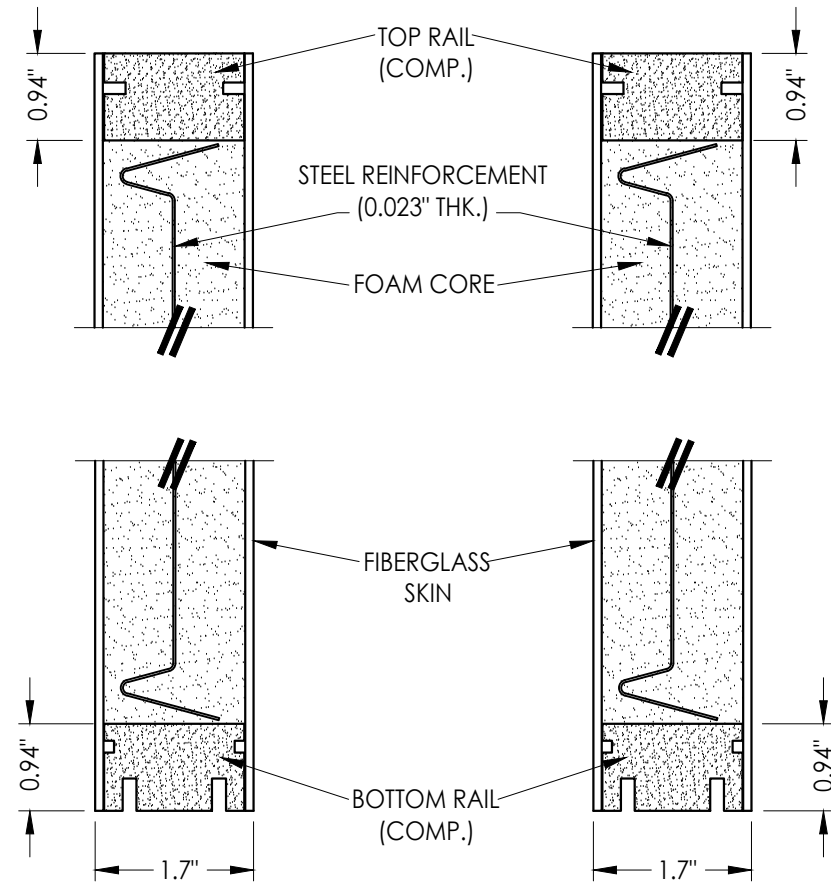
40 **DOOR PANEL**
BOOK



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: 0.095" 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
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

DATE: 4/21/20

SCALE: N.T.S.

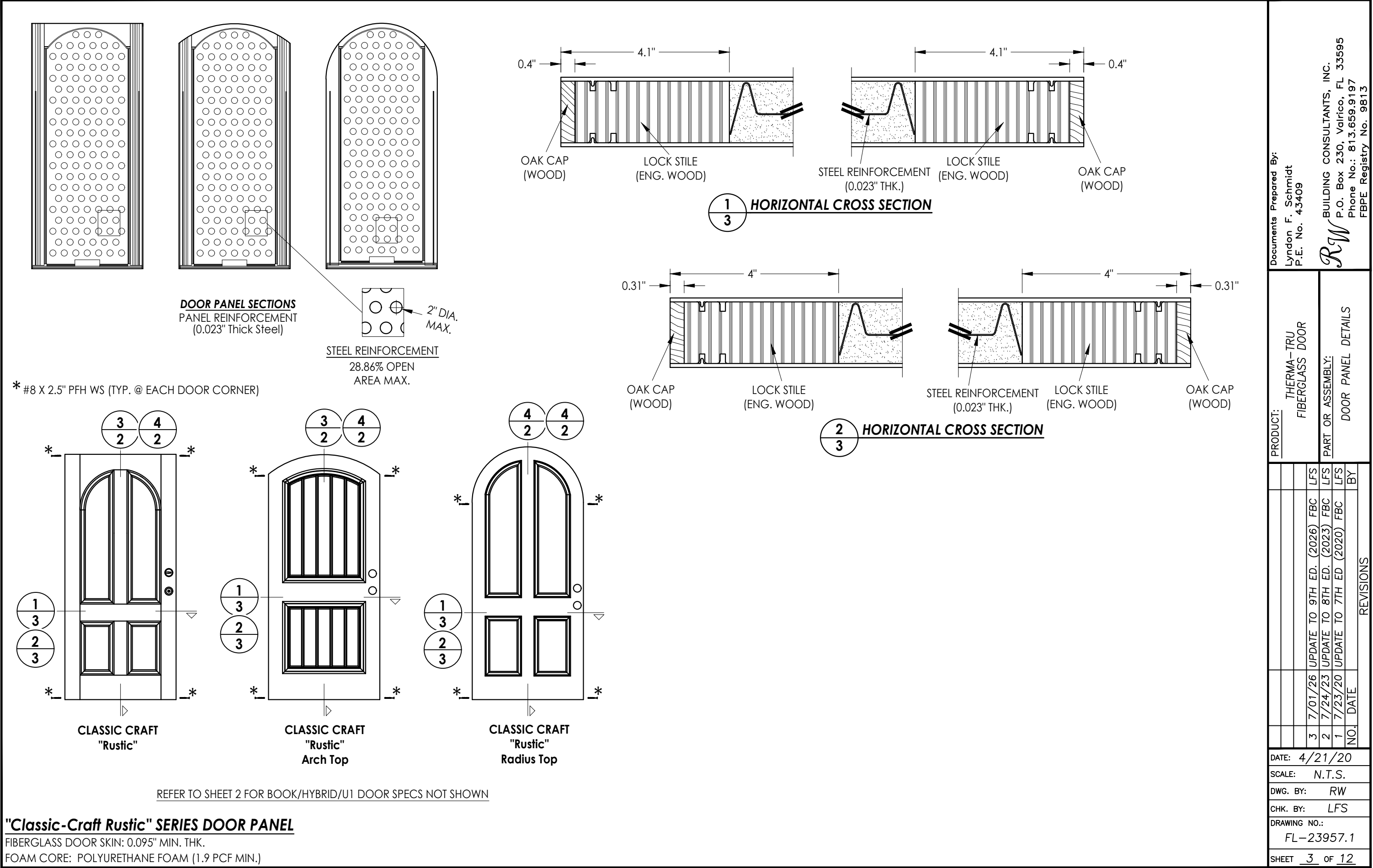
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CHK. BY: LFS

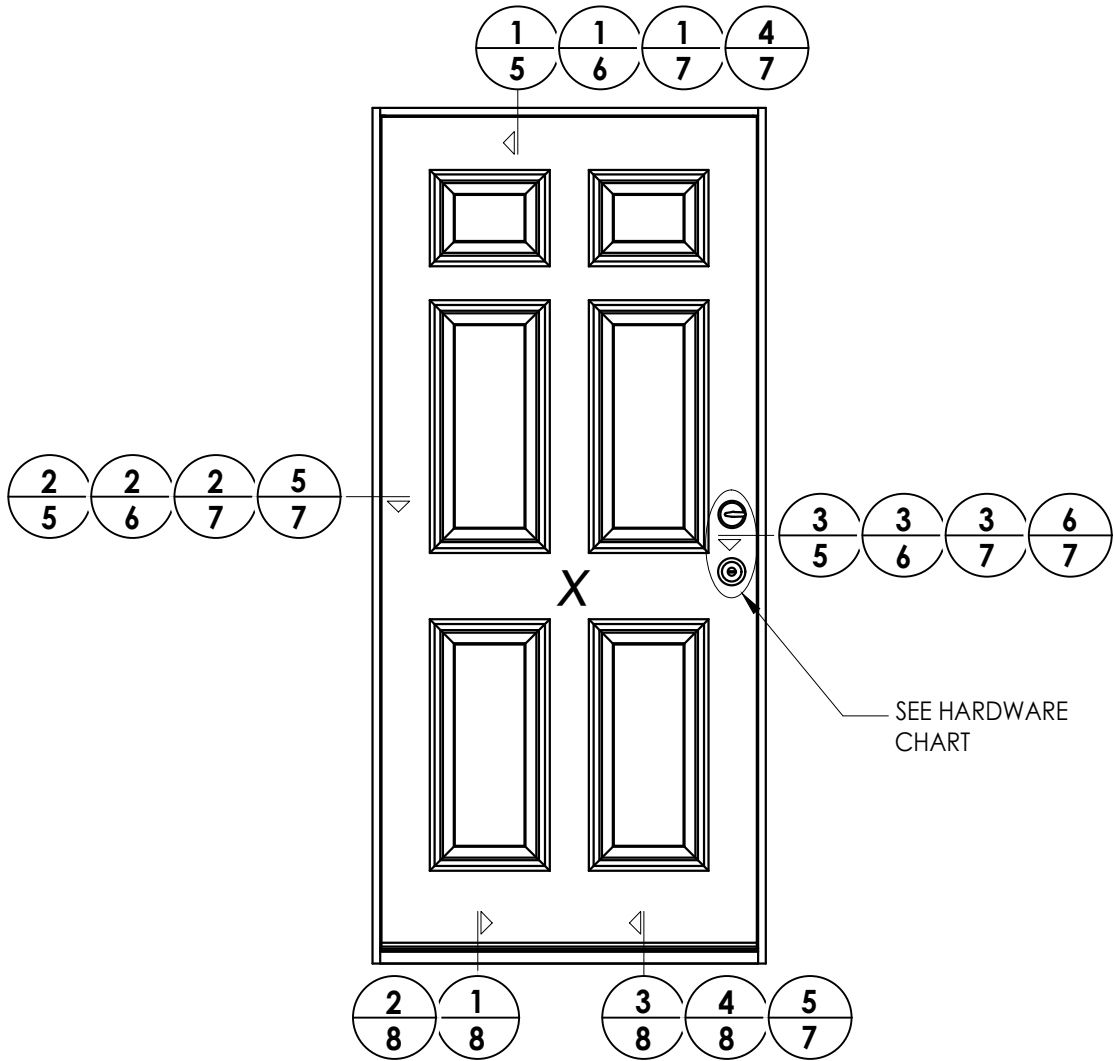
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SHEET 2 OF 12

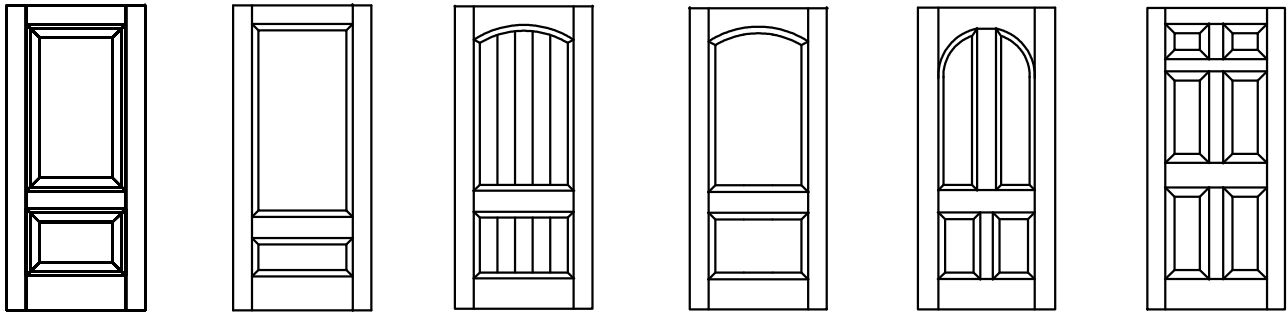
G:\2023 FBC DRAWINGS 7-27-26\Therma-Tru\FL-23957 R4\FL-23957.1-3.dwg



G:\2023 FBC DRAWINGS 7-27-26\Therma-Tru\FL-23957 R4\FL-23957.1-3.dwg



HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)



Classic-Craft Door Panel Options
Panel options shown are for illustration and are representative only
(similar opaque panel configurations are allowed)

DATE: 4/21/20				PRODUCT: THERMA-TRU FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409			
SCALE: N.T.S.				PART OR ASSEMBLY: ELEVATIONS		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
DWG. BY: RW									
CHK. BY: LFS									
DRAWING NO.: FL-23957.1									
SHEET 4 OF 12									

1.15" MIN.
EMB. (TYP.)

0.15" C-SINK
(TYP)

INTERIOR

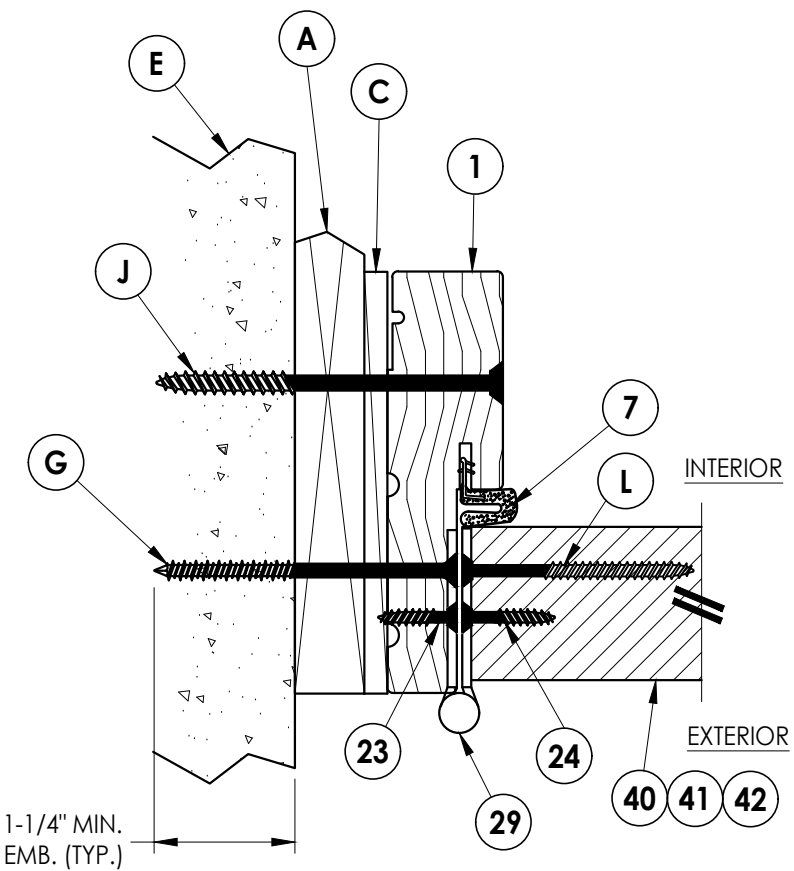
EXTERIOR

40 41 42 27 1 L

B C D E

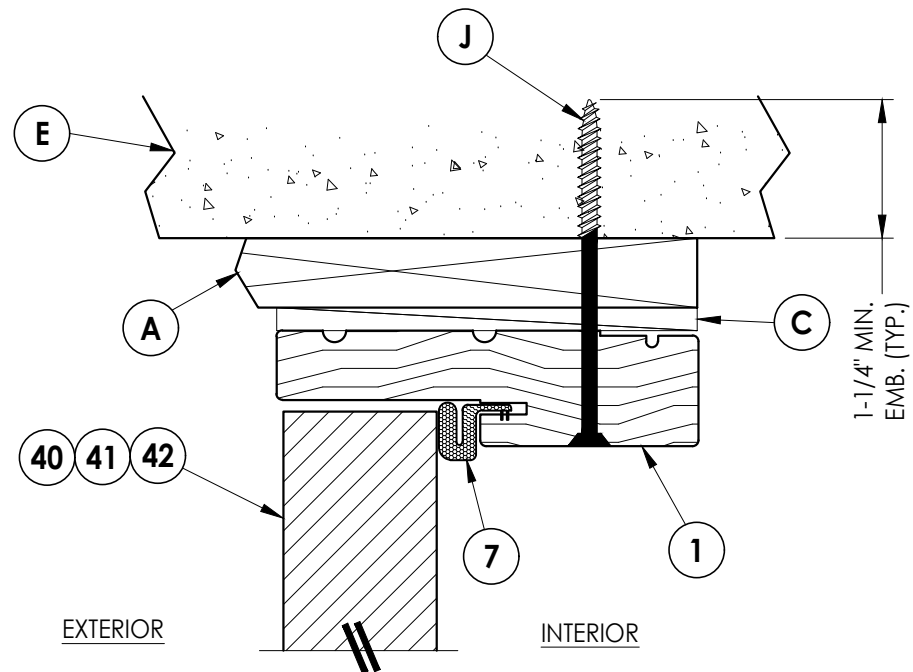
1-1/4" MIN.
EMB. (TYP.)

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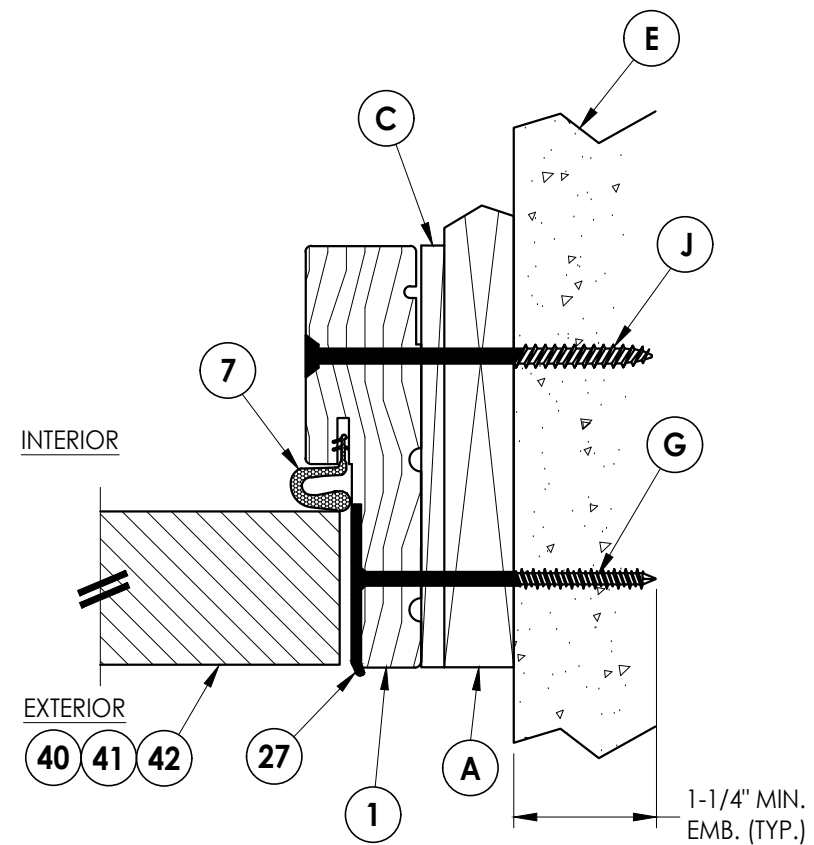


2 HORIZONTAL CROSS SECTION

6 Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



3 6 **HORIZONTAL CROSS SECTION**

Shown w/ 1X sub-buck
Outswing shown (Inswing similar)

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
NO.	DATE				
					REVISIONS

DATE: 4/21/20

SCALE: N.T.S.

DWG. BY: *RW*

CHK. BY: LFS

DRAWING NO.:

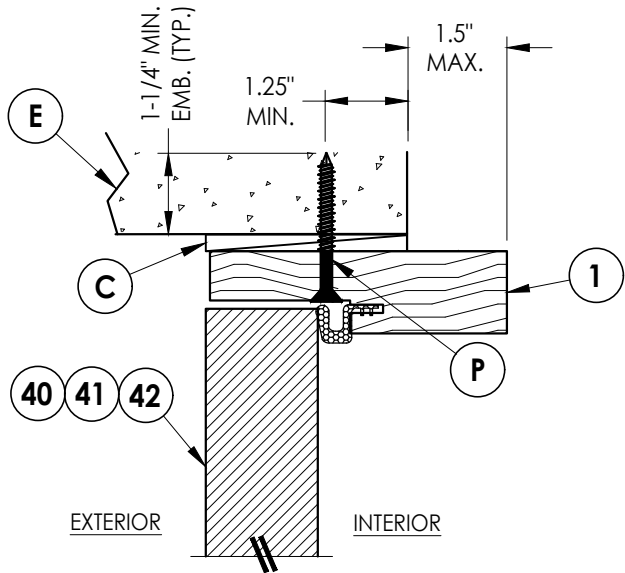
FL-23957.1

SHEET 6 OF 12

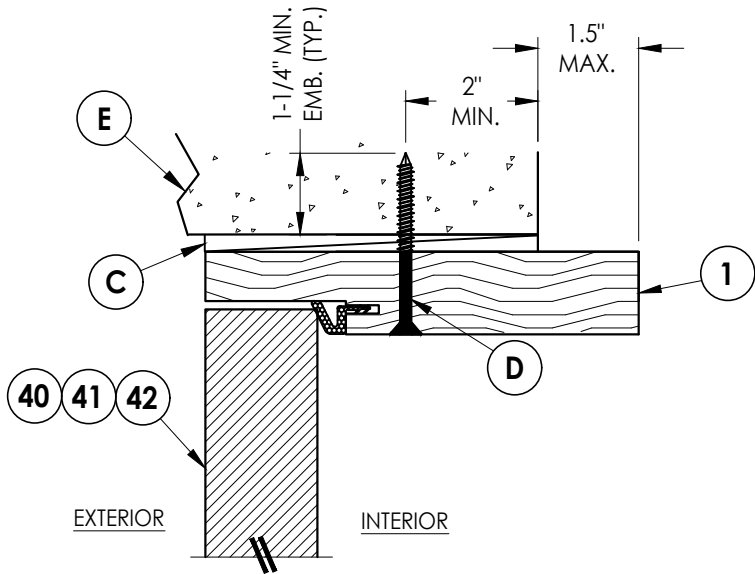
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

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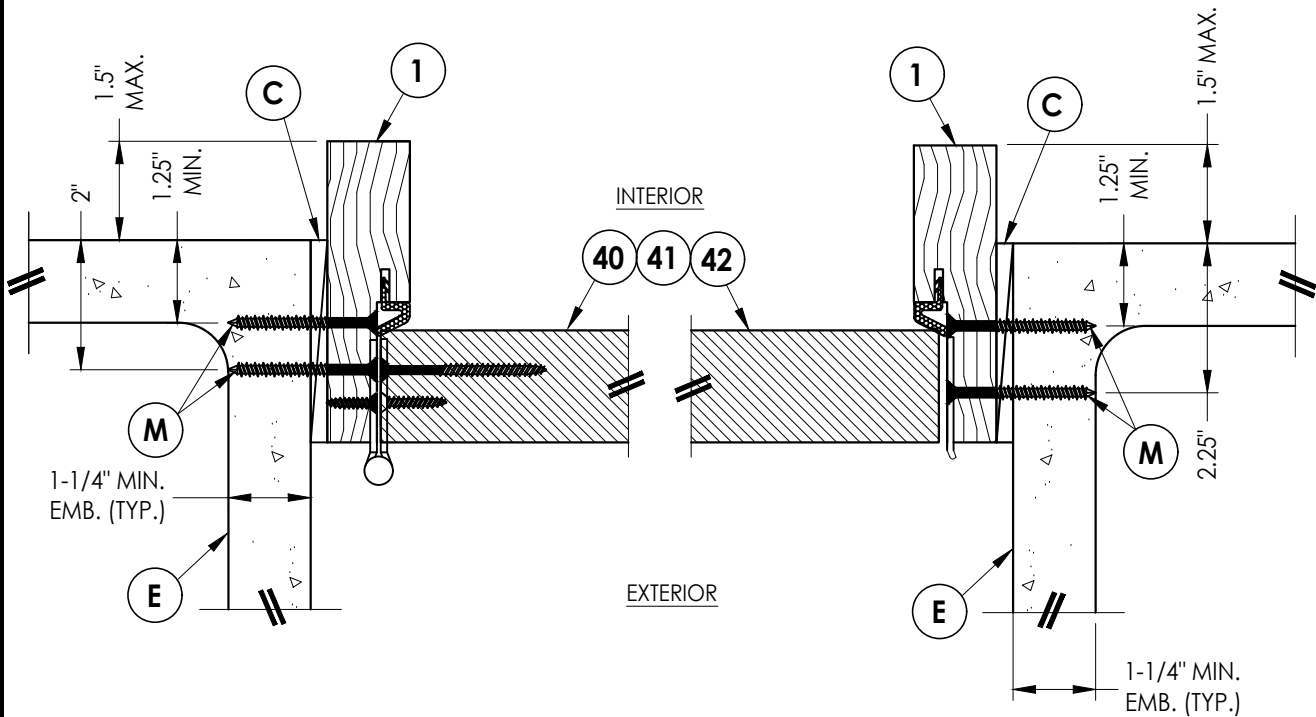


1/7 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb

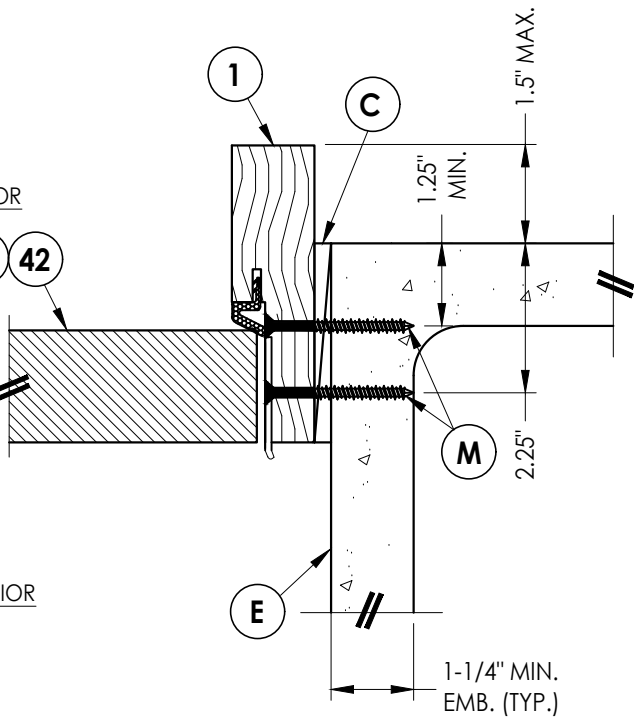


4/7 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

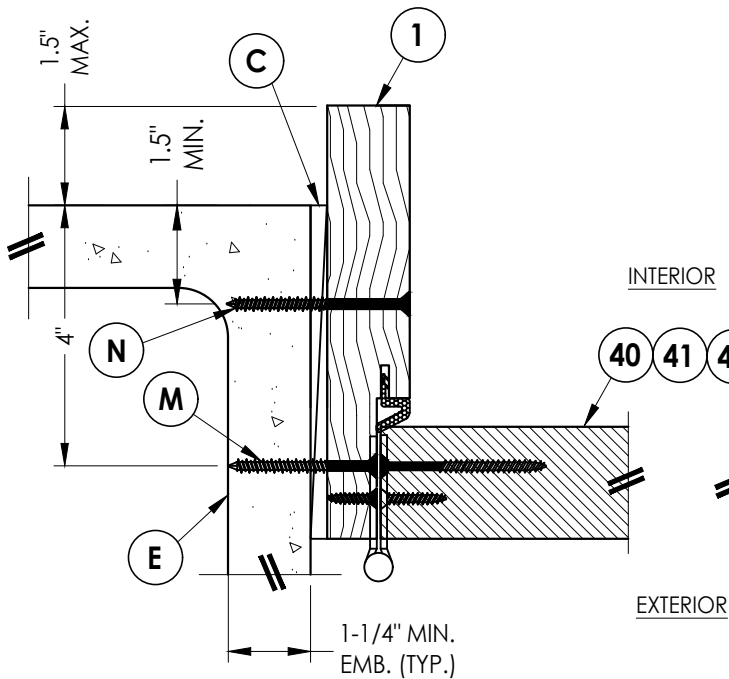
DIRECT TO MASONRY MAX. DESIGN PRESSURE:
± 55 PSF



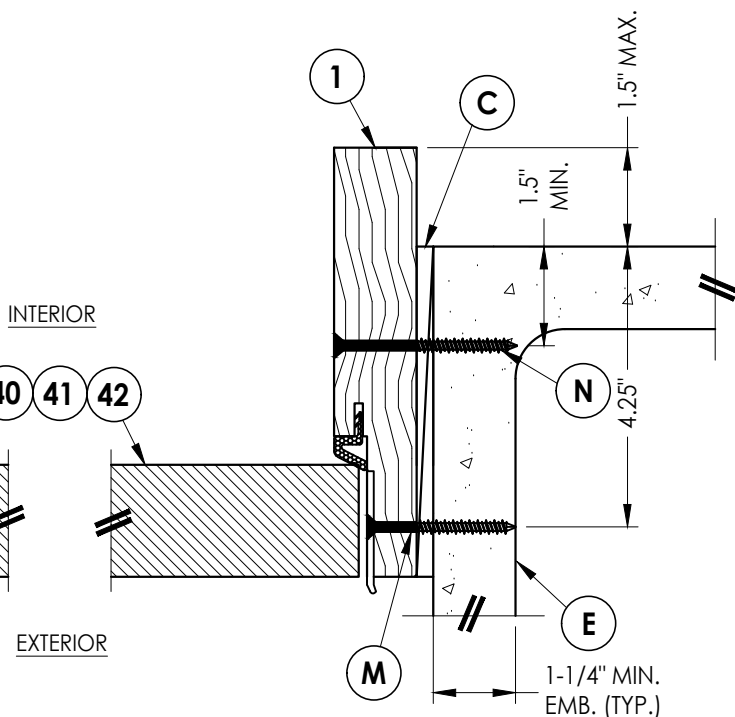
2/7 HORIZONTAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



3/7 HORIZONTAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



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



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

Documents Prepared By:
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R²W 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)

REVISIONS		NO.	DATE	BY
		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

DATE: 4/21/20

SCALE: N.T.S.

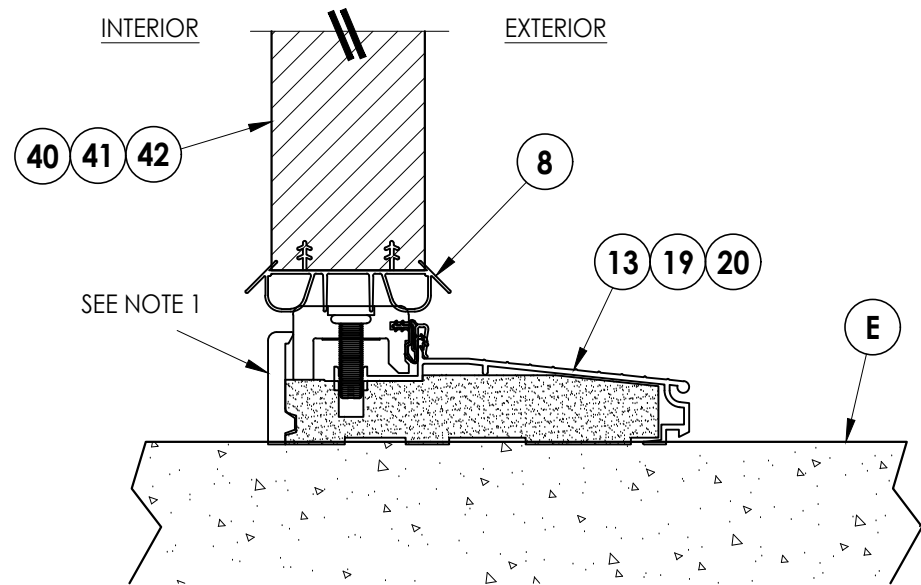
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CHK. BY: LFS

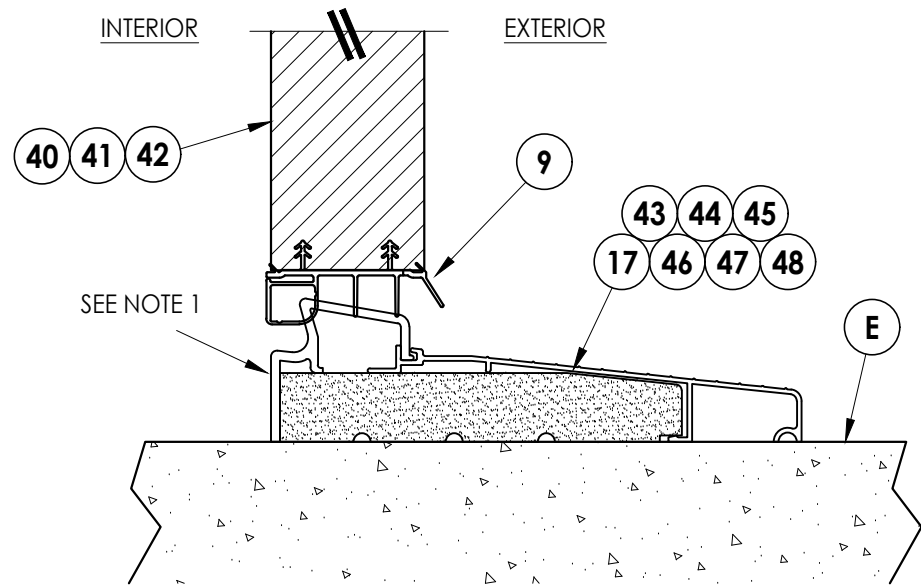
DRAWING NO.:
FL-23957.1

SHEET 7 OF 12

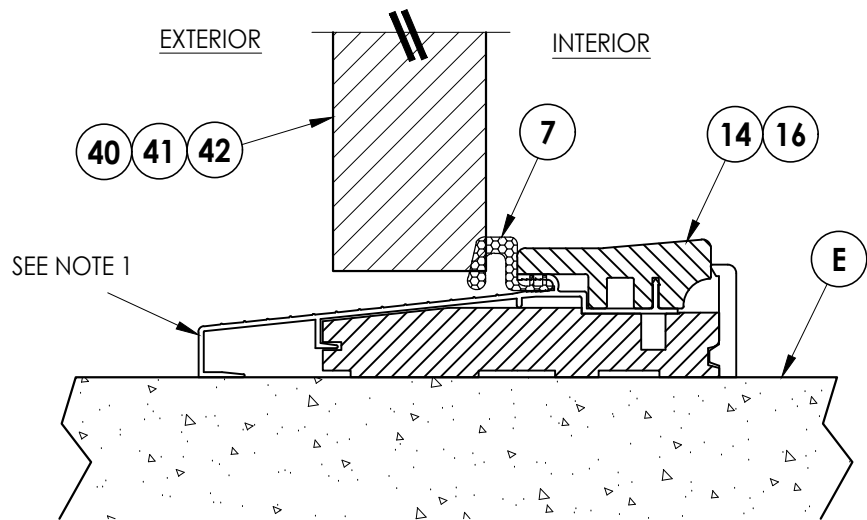
Notes:
1. Sill Item #'s 13, 16, 17, 19, 20, 43, 44, 45, 46, 47 & 48 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item #'s 14, & 21 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
Sill Item #18 is attached to jambs utilizing (2) #10 X 1-1/2" pph screws at each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



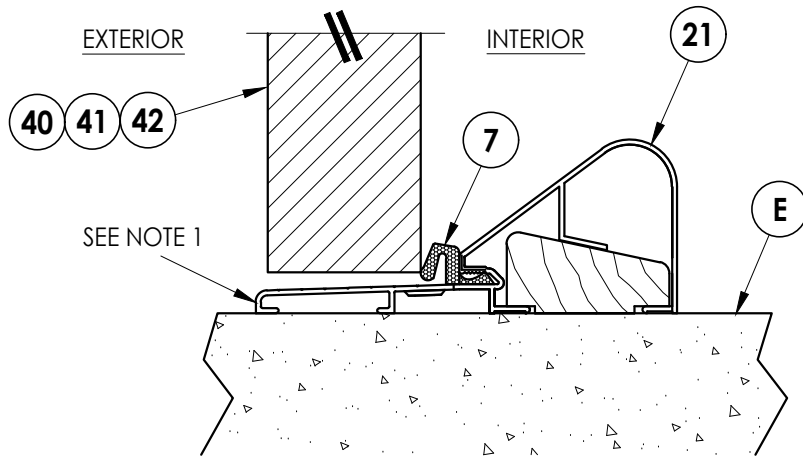
1
8 VERTICAL CROSS SECTION
Inswing Sill



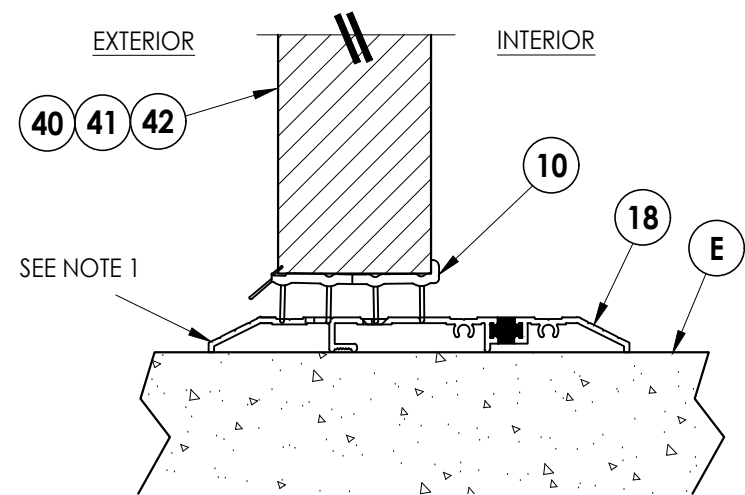
2
8 VERTICAL CROSS SECTION
Inswing Sill



3
8 VERTICAL CROSS SECTION
Outswing Sill



4
8 VERTICAL CROSS SECTION
Outswing Coastal Sill



5
8 VERTICAL CROSS SECTION
Public Access 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:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

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

DATE: 4/21/20

SCALE: N.T.S.

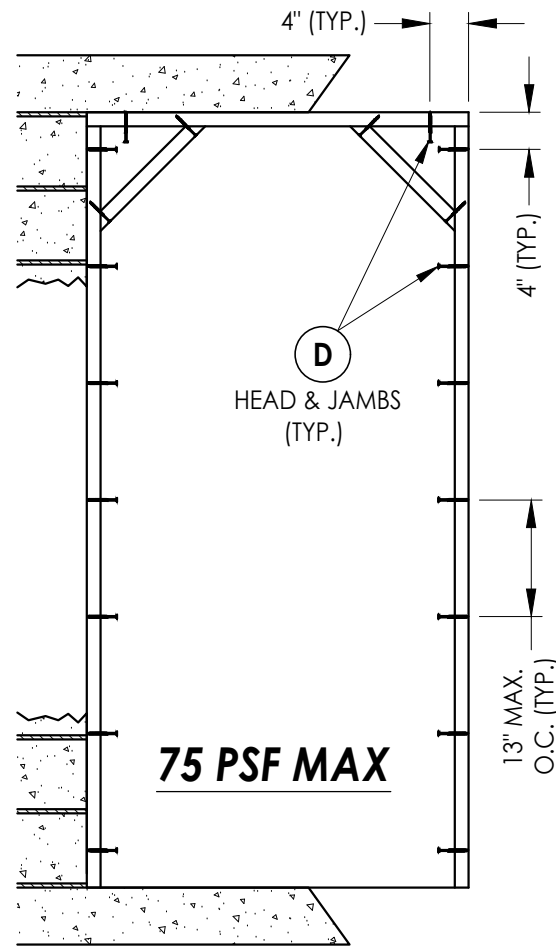
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-23957.1

SHEET 8 OF 12

G:\2023 FBC DRAWINGS 7-27-26\Therma-Tru\FL-23957 R4\FL-23957.1-3.dwg



ARCH & RADIUS TOP

(2) #10 X 3" WOOD SCREWS @ EACH END OF 2X STRUT ($G \geq 0.55$) (TYP.)

11.5" MAX. O.C. (TYP.)

4" (TYP.)

HEAD & JAMBS (TYP.)

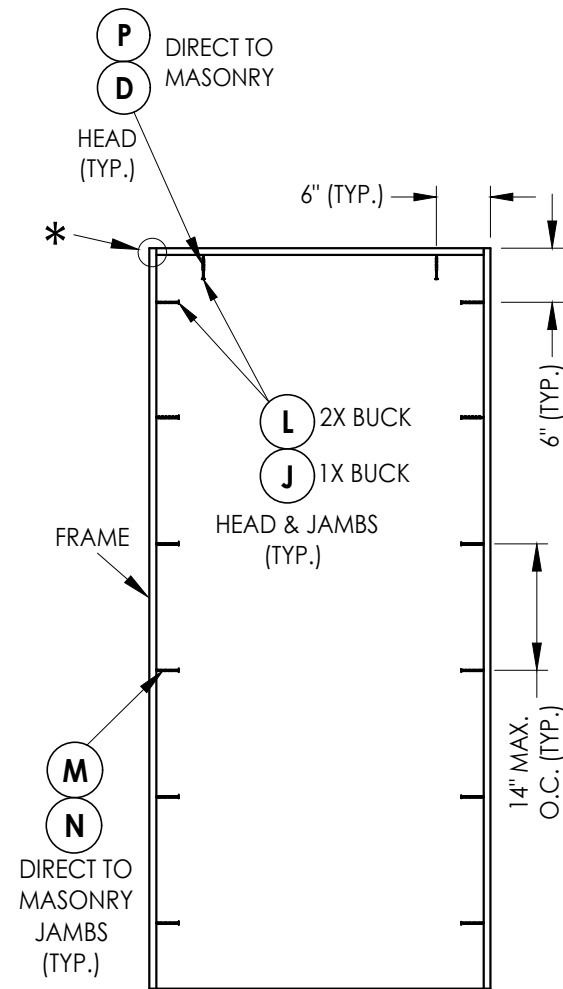
10" MAX. O.C. (TYP.)

100 PSF MAX

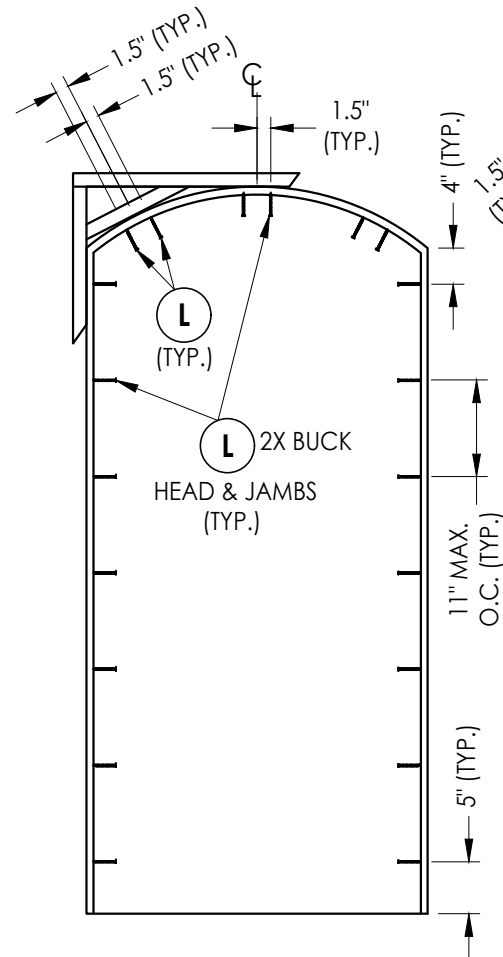
PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	BUCK ANCHORING

R²W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33486
Phone No.: 813.659.9197
FBPE Registry No. 9813

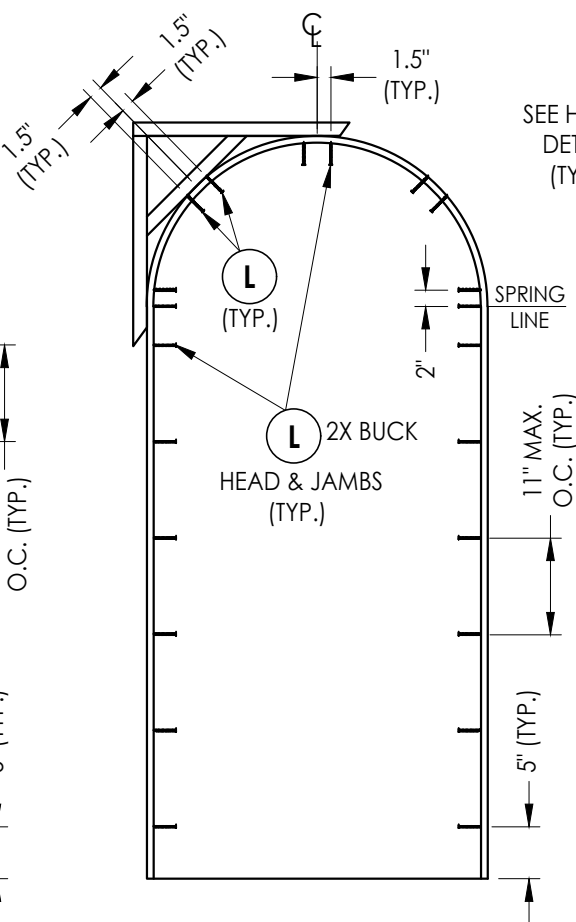
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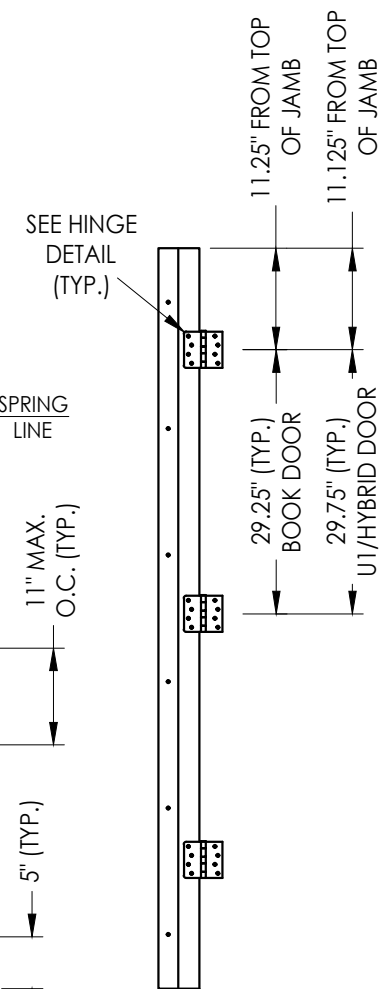
CLASSIC CRAFT
&
CLASSIC CRAFT RUSTIC



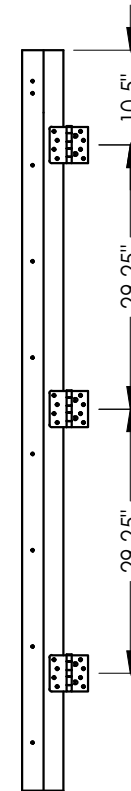
CLASSIC CRAFT RUSTIC
ARCH TOP



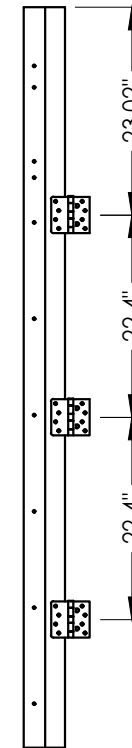
CLASSIC CRAFT RUSTIC
RADIUS TOP



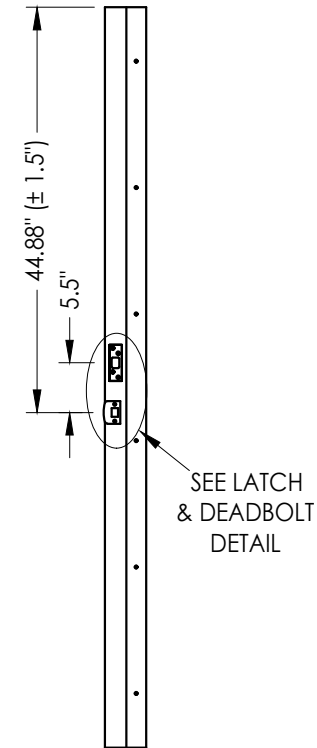
HINGE JAMB



HINGE JAMB Arch Top



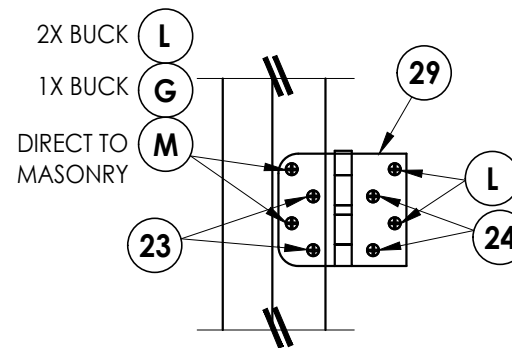
HINGE JAMB
Radius Top



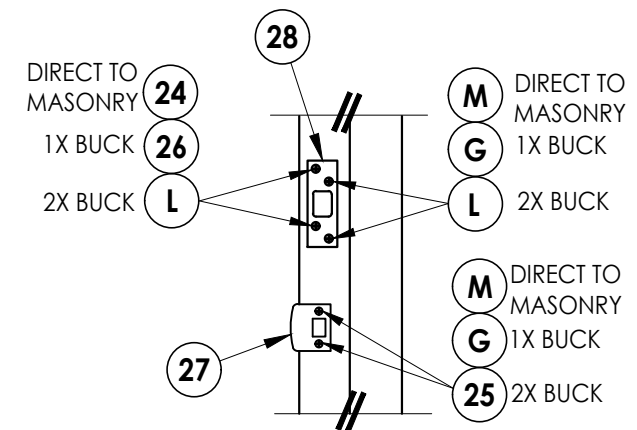
STRIKE JAMB
Latch & Deadbolt

*NOTE: FRAME CORNERS @ HEAD ATTACHED TOGETHER w/ (3) #8 X 2-1/2" PFH WS (TYP.)

FRAME ANCHORING

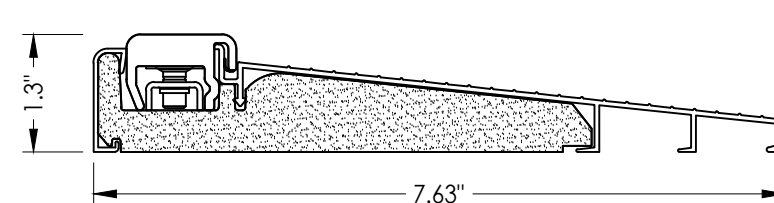
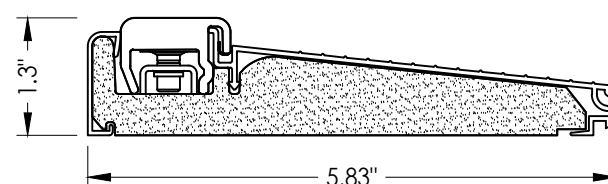
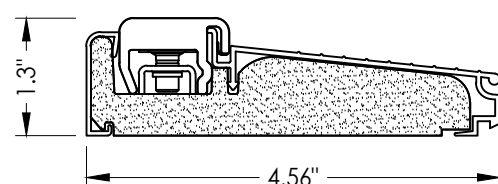
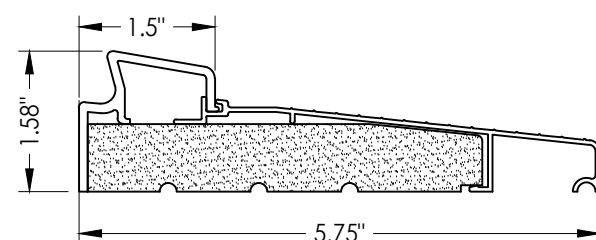
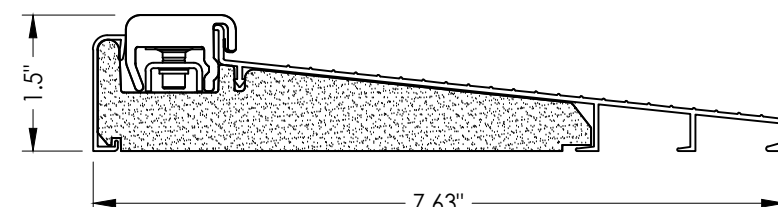
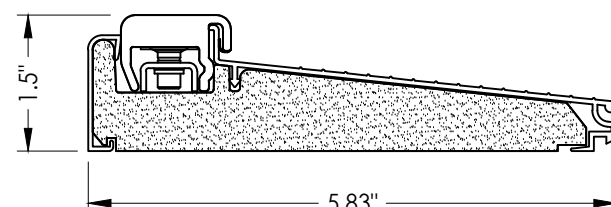
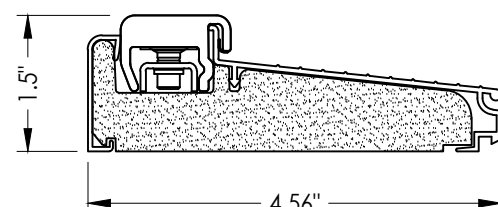
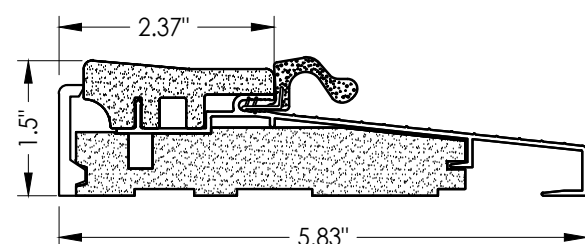
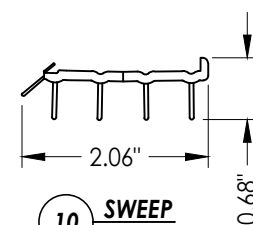
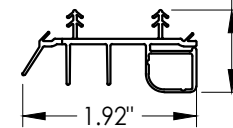
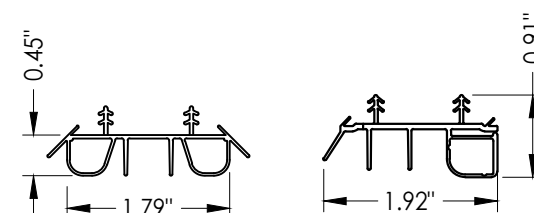
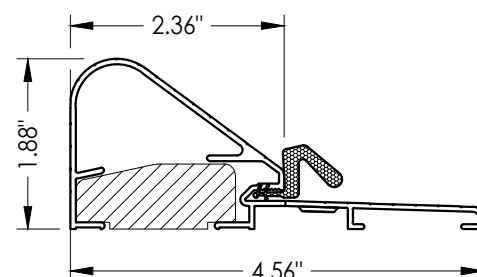
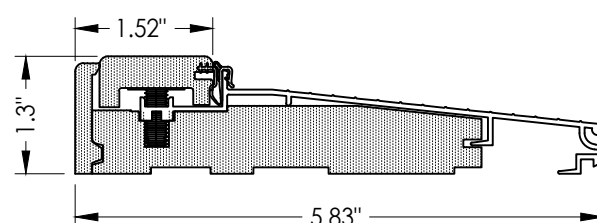
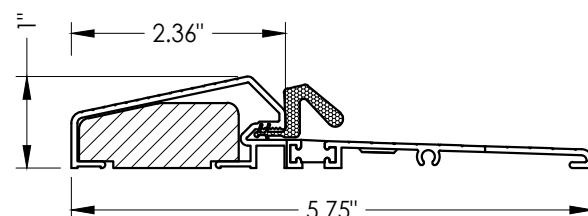
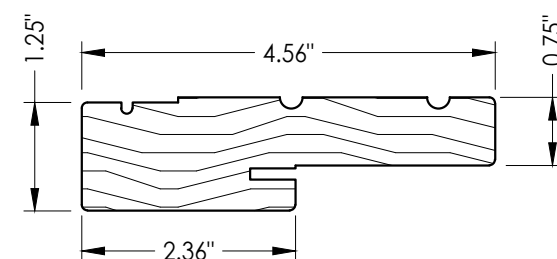
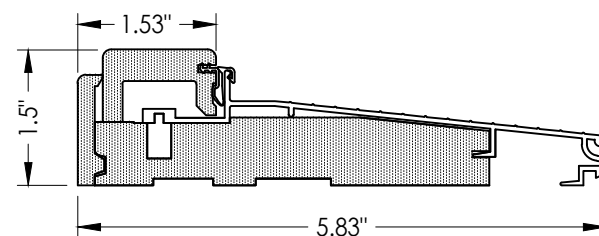
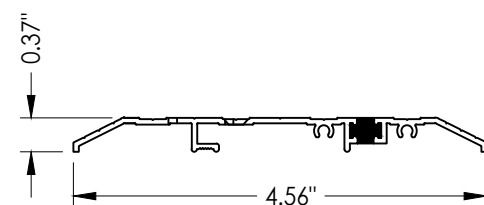
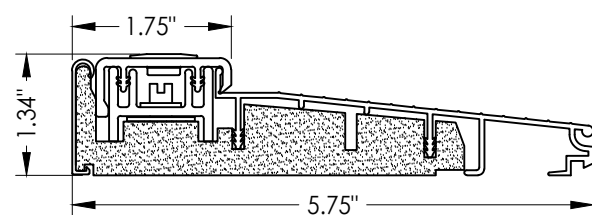


HINGE DETAIL



LATCH & DEADBOLT DETAIL

[illegible]



Documents Prepared By:
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FBPE Registry No. 9813

DATE:		4/21/20	
SCALE:		N.T.S.	
DWG. BY:		RW	
CHK. BY:		LFS	
DRAWING NO.:		FL-23957.1	
SHEET		11 OF 12	

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 ULTRA CON+®	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.

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