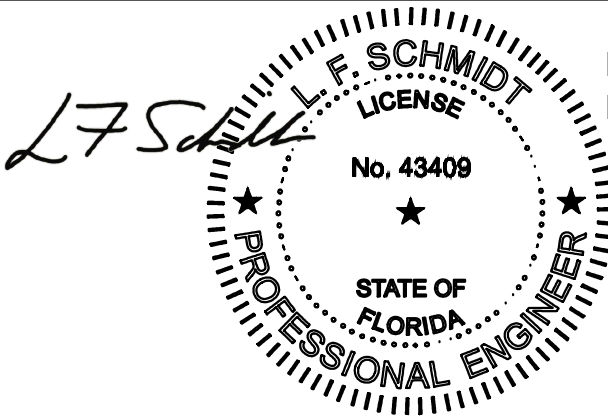




Digitally signed by Lyndon F Schmidt
Date: 2026.08.08 09:10:32 -04'00'

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

OPAQUE FIBERGLASS SINGLE DOOR

INSWING/OUTSWING

"IMPACT"

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.

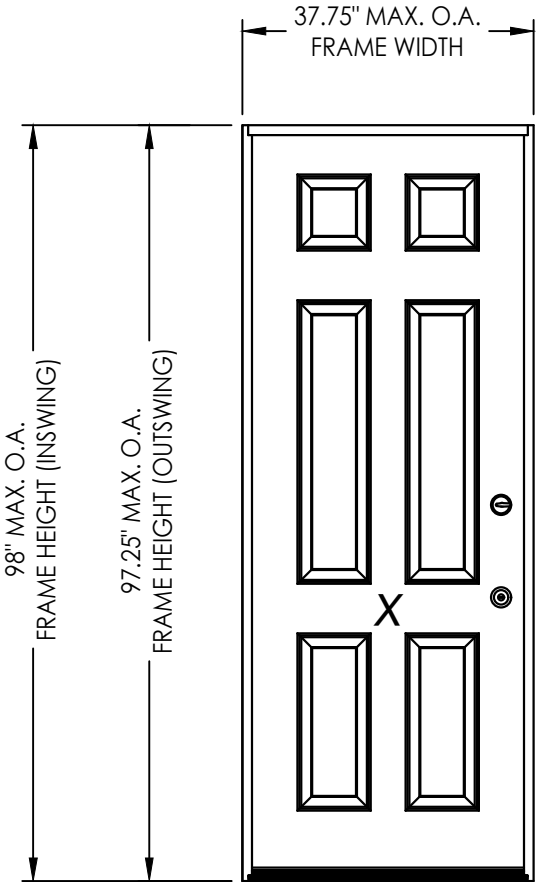


TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET #	
1	Typical Elevations, Design Pressures & General Notes	7	Vertical Cross Sections (Thresholds)
2	Door Panel Details	8	Buck & Frame Anchoring
3	Elevations	9	Components
4	Horizontal & Vertical Cross Sections (2X Buck)	10	Bill of Materials
5	Horizontal &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

CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	+55.0	-55.0	+55.0	-55.0

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

THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

37/01/26
UPDATE TO 9TH ED. (2026)

27/24/23
UPDATE TO 8TH ED. (2023)

17/23/20
UPDATE TO 7TH ED (2020)

NO. 1

DATE

BY

REVISIONS

DATE: 4/21/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

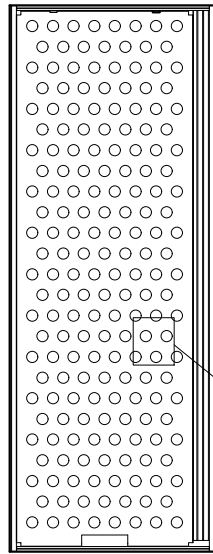
DRAWING NO.: FL-23957.4

SHEET 1 OF 10

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

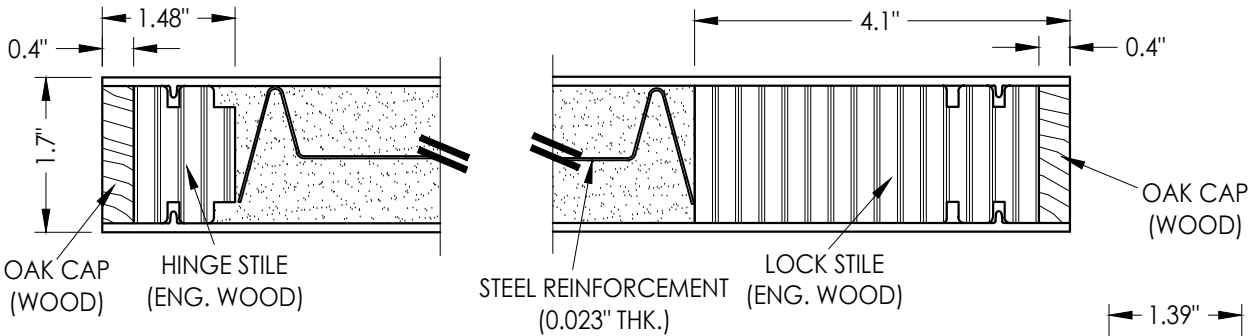
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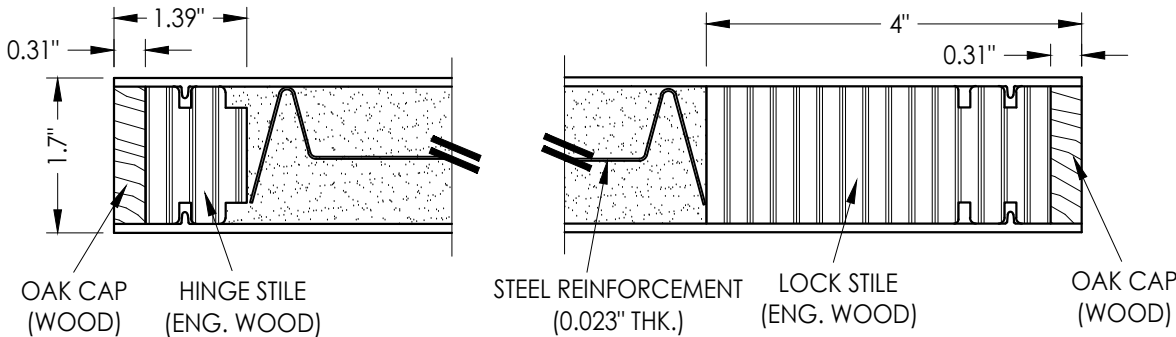


DOOR PANEL SECTION
PANEL REINFORCEMENT
(0.023" Thick Steel)

STEEL REINFORCEMENT
28.86% OPEN
AREA MAX.

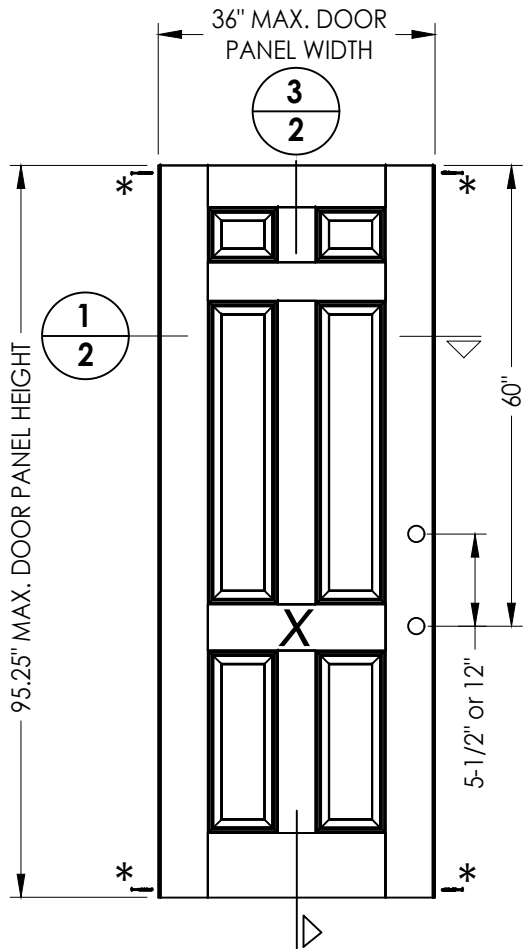


1
2 **HORIZONTAL CROSS SECTION**

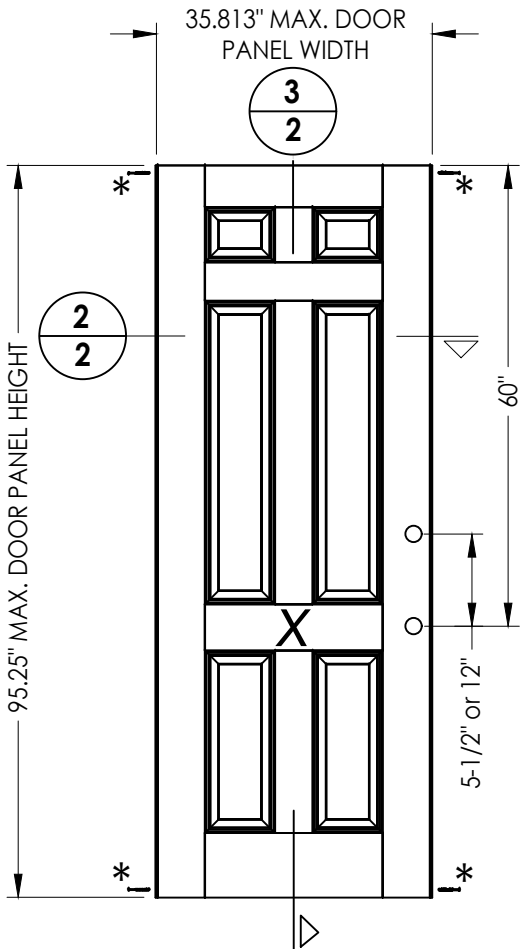


2
2 **HORIZONTAL CROSS SECTION**

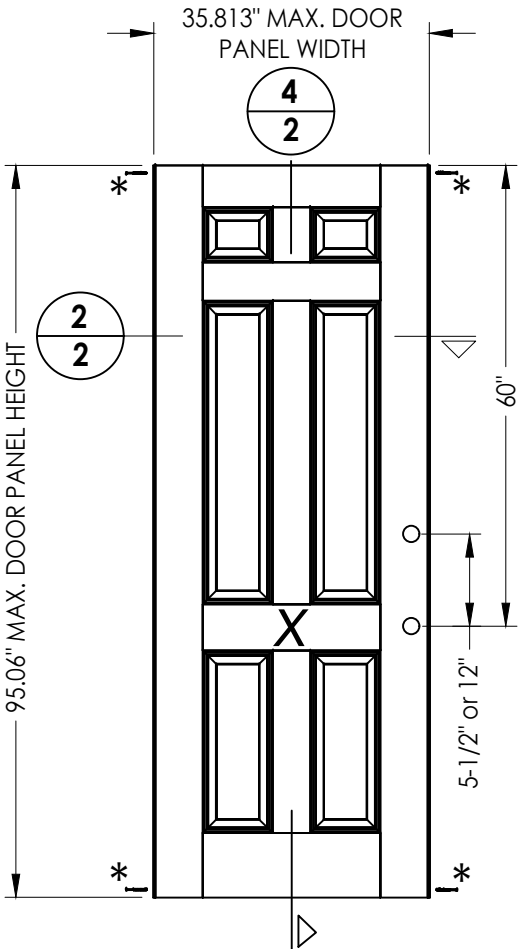
* #8 X 2.5" PFH WS (TYP. @ EACH DOOR CORNER)



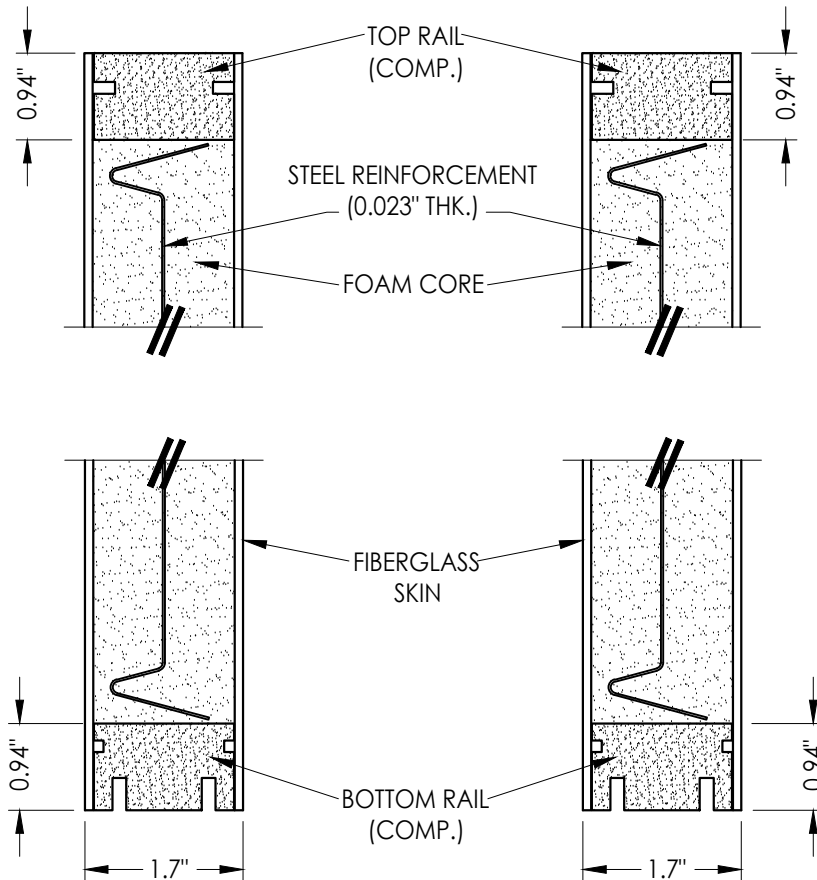
40 **DOOR PANEL**
BOOK



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.)

Documents Prepared By:
Lyndon F. Schmidt
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	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

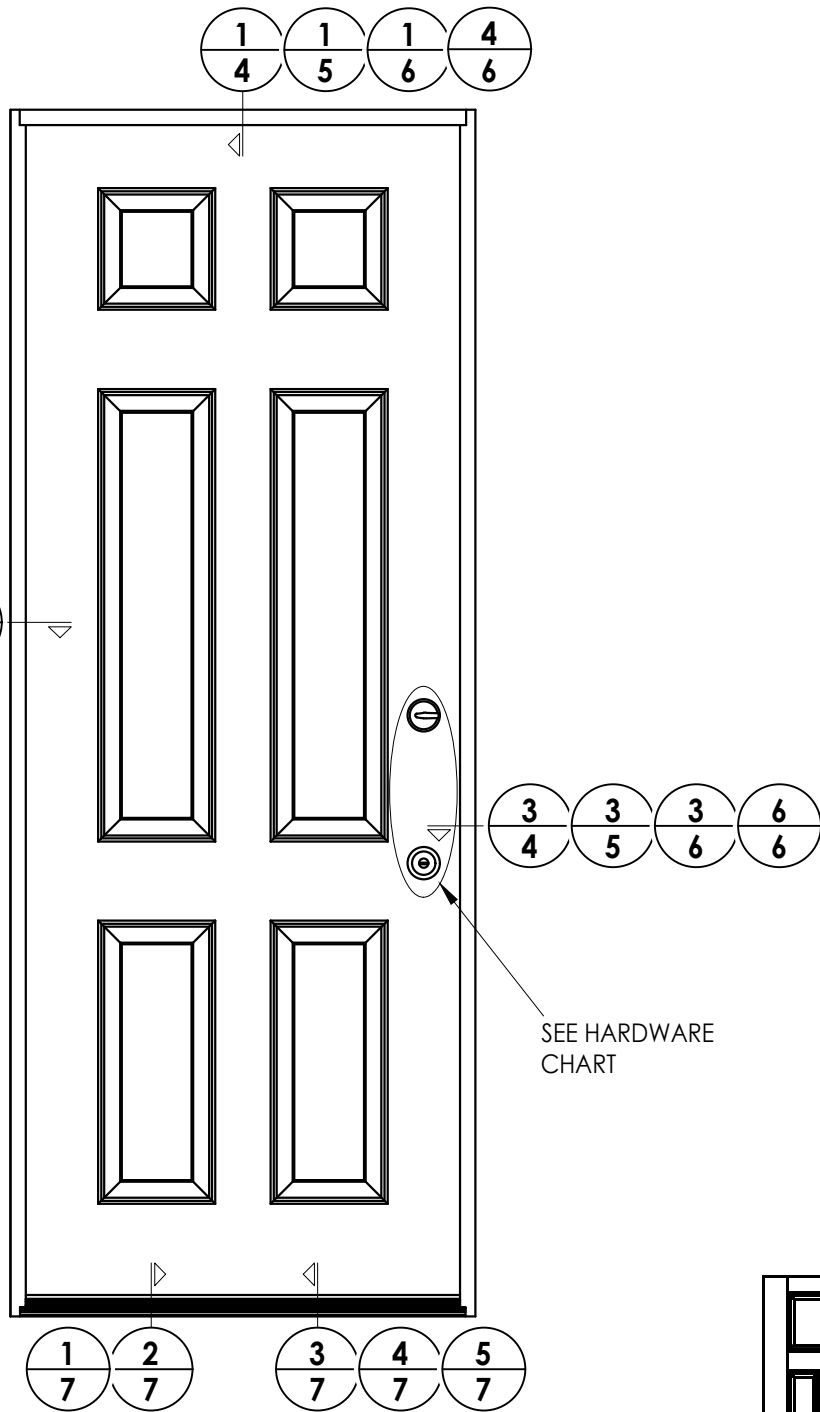
SCALE: N.T.S.

DWG. BY: RW

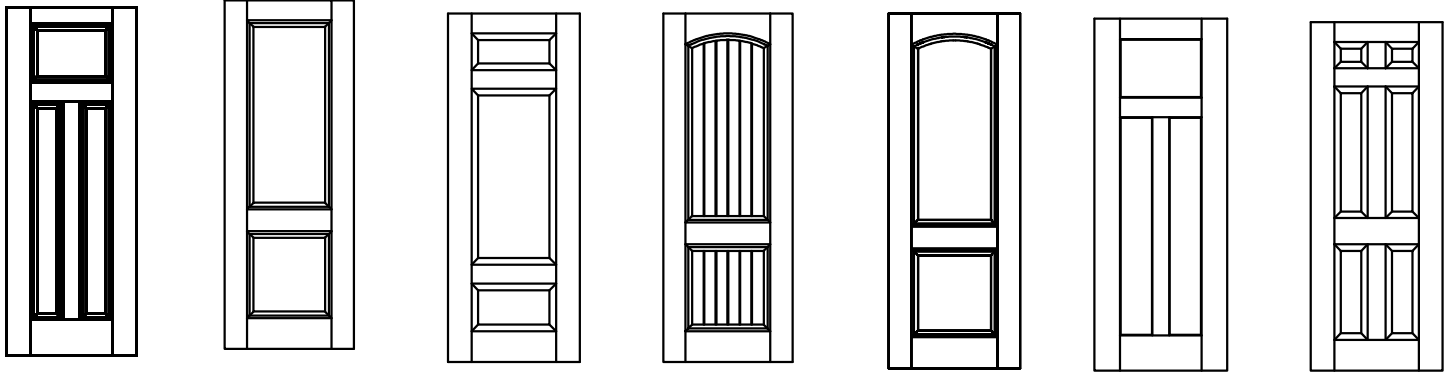
CHK. BY: LFS

DRAWING NO.: FL-23957.4

SHEET 2 OF 10



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



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

[illegible]

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY: ELEVATIONS

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

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1.15" MIN.
EMB. (TYP.)

0.15" C-SINK
(TYP)

INTERIOR

EXTERIOR

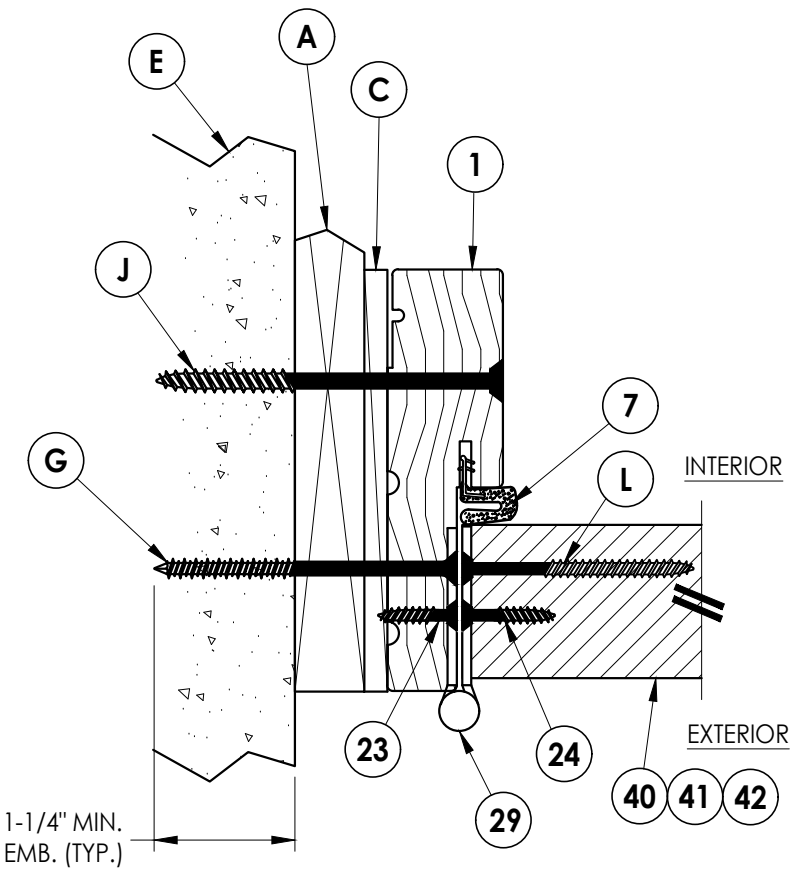
40 41 42 27 1 L

B C L D E

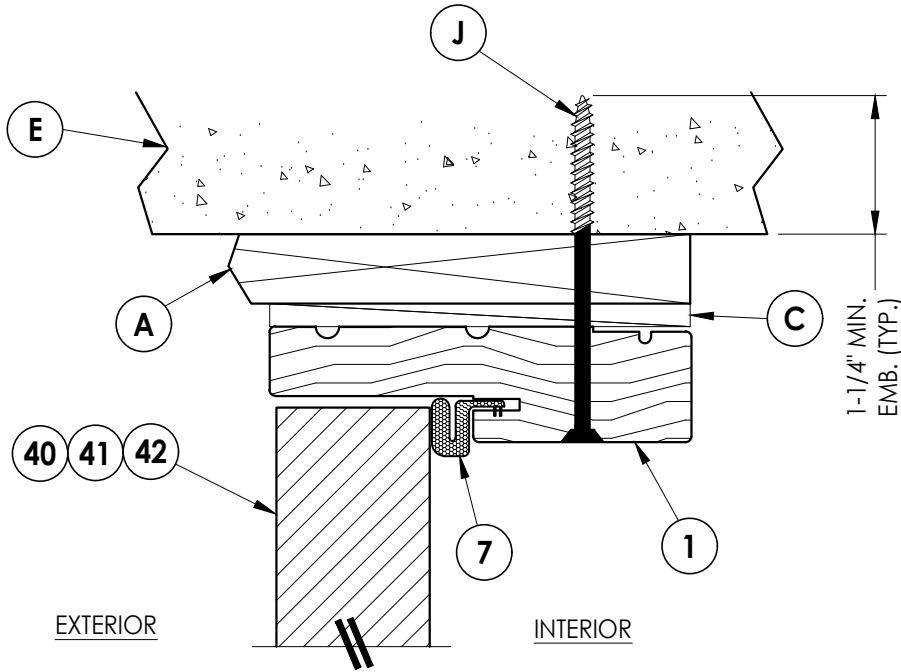
1-1/4" MIN.
EMB. (TYP.)

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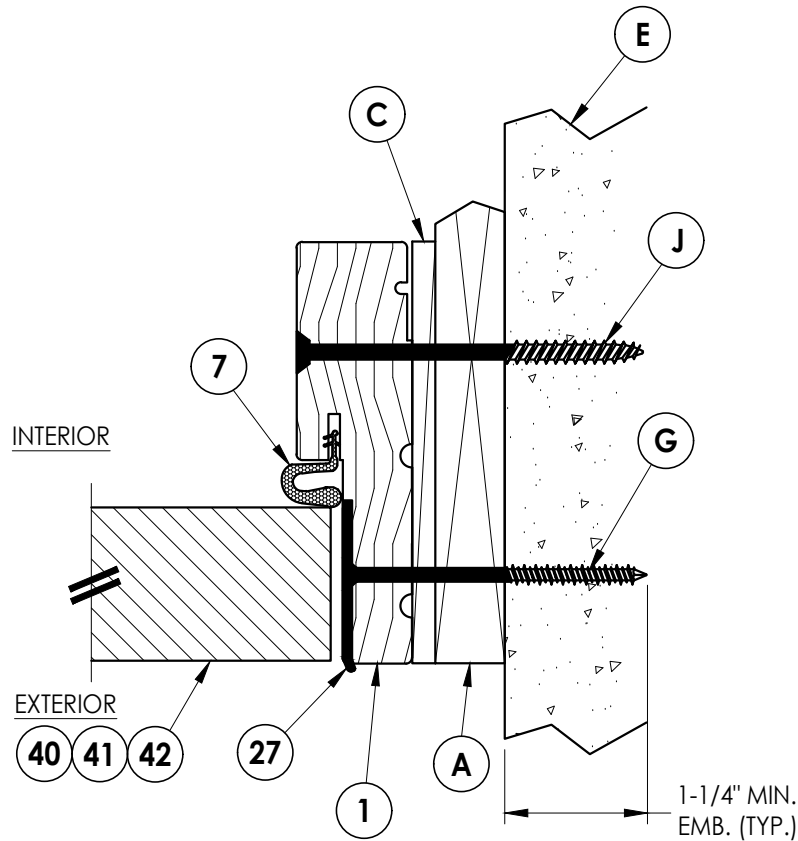
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2
5 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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	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.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

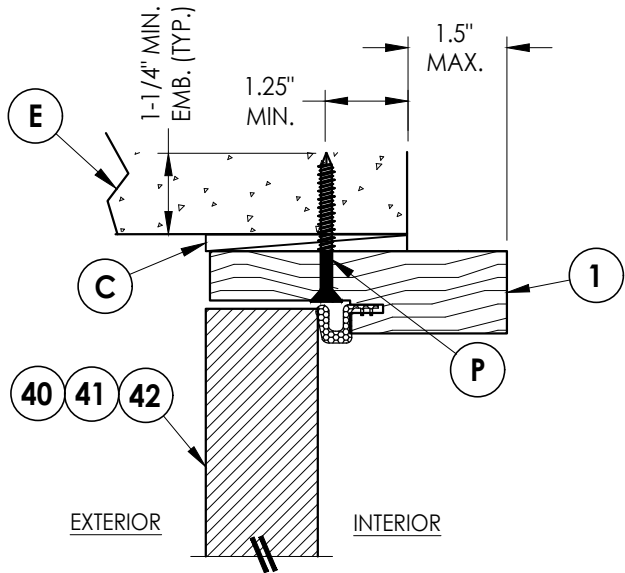
FL-23957.4

SHEET 5 OF 10

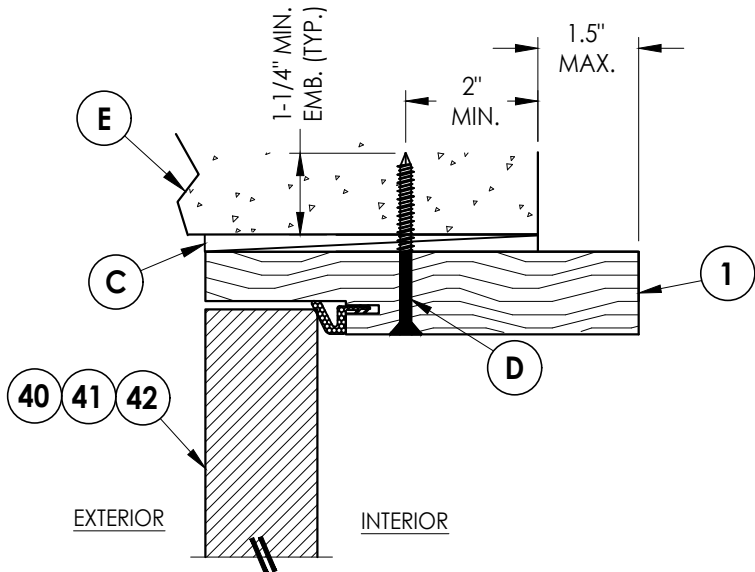
Documents Prepared By:
Lyndon F. Schmidt
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FBPE Registry No. 9813

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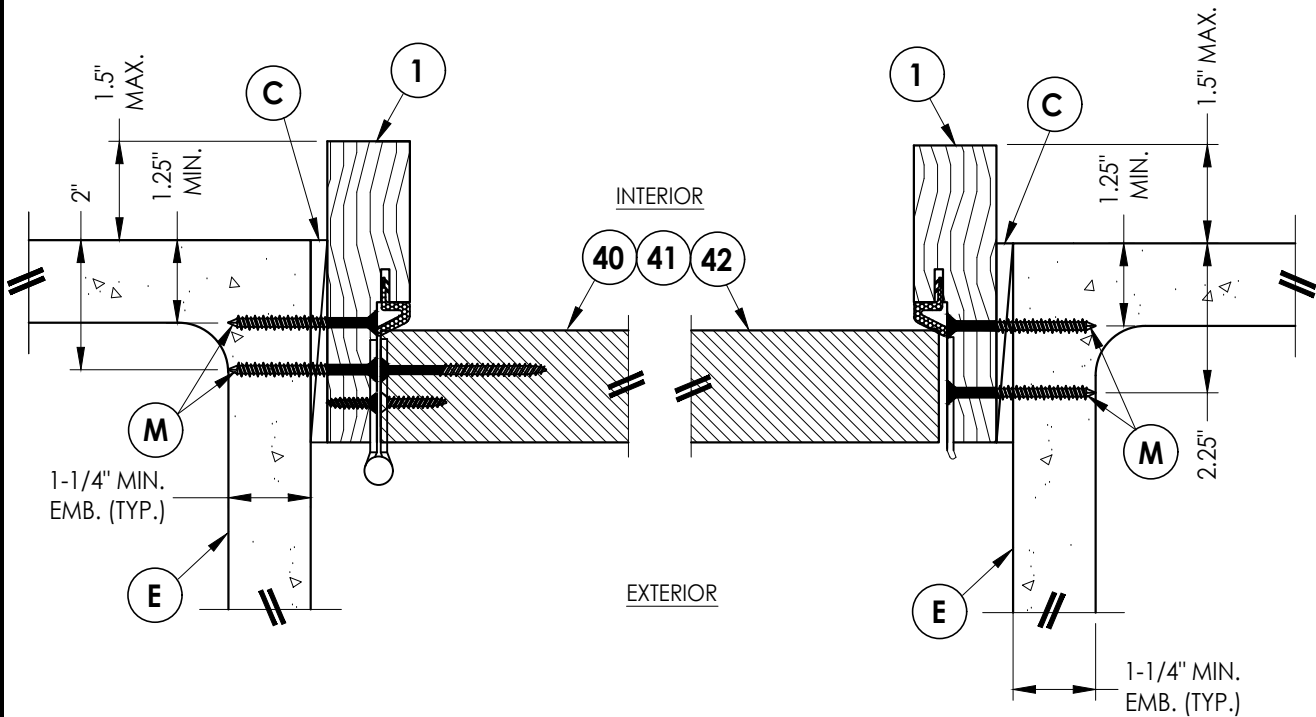


1
6 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb

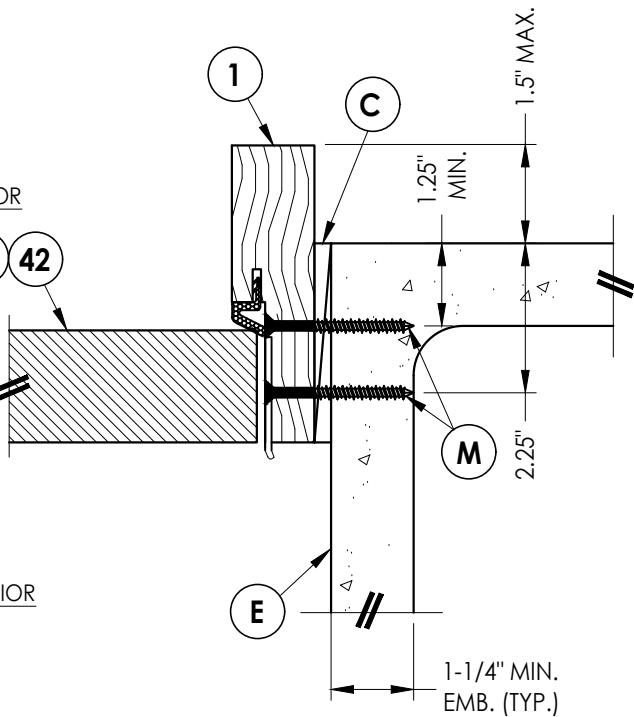


4
6 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

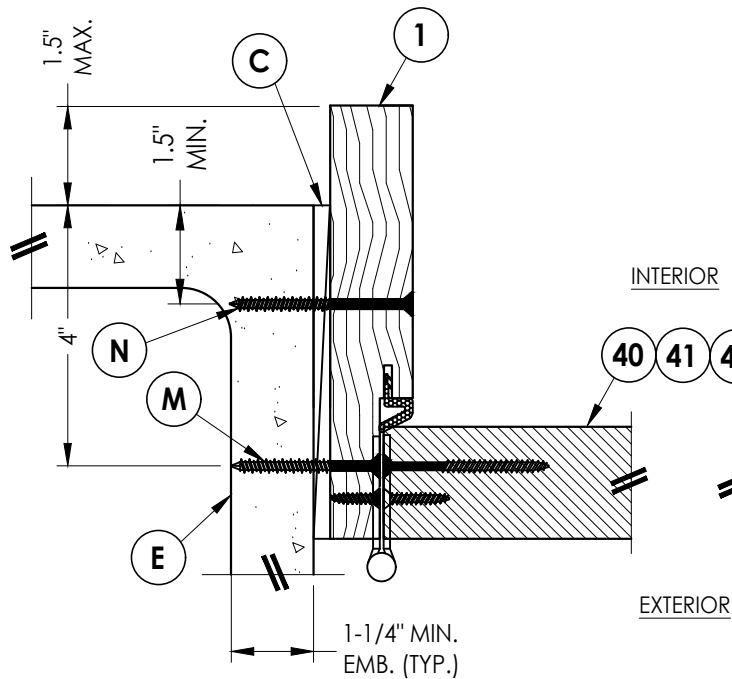
DIRECT TO MASONRY MAX. DESIGN PRESSURE:
± 47 PSF



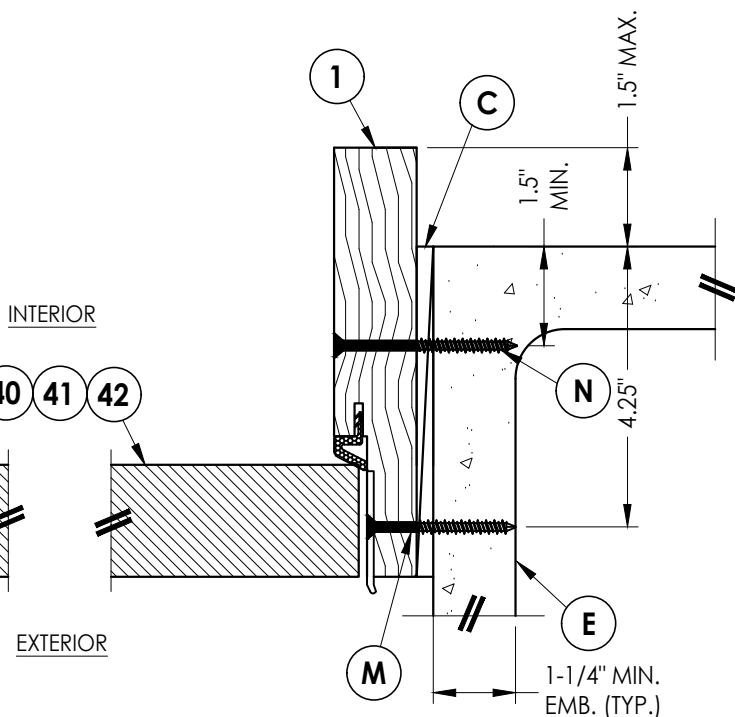
2
6 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



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



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



6
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

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)

NO.	DATE	REVISIONS	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.

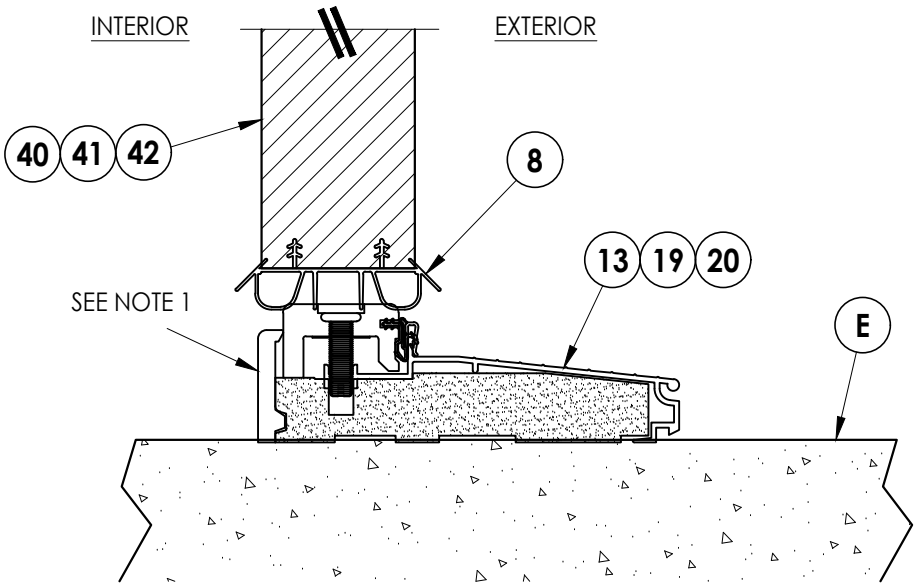
DWG. BY: RW

CHK. BY: LFS

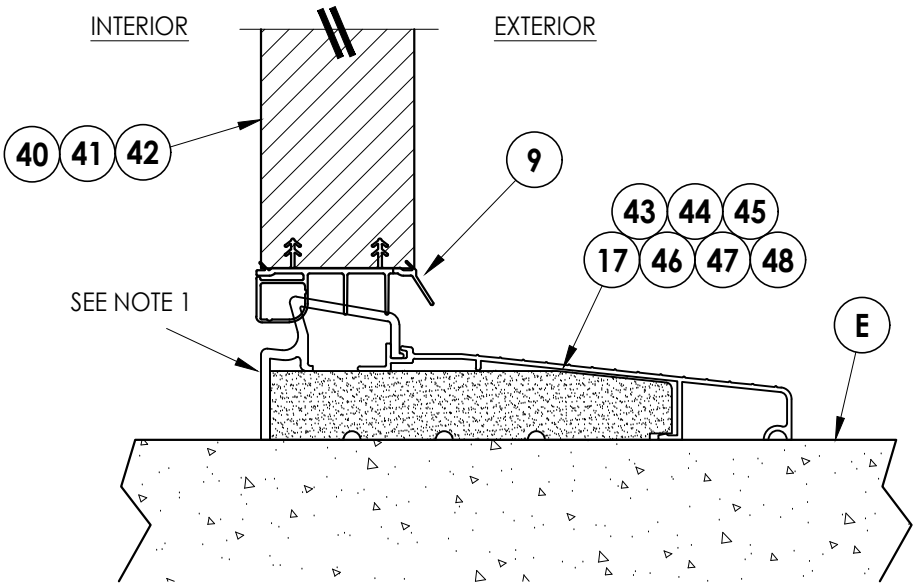
DRAWING NO.:
FL-23957.4

SHEET 6 OF 10

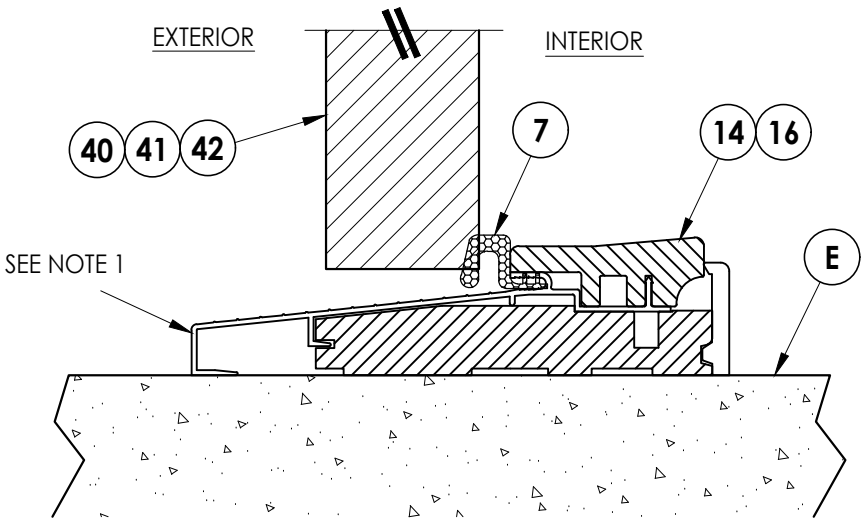
Notes:
1. Sill Item #'s 13, 16, 17, 19, 20, 43, 44, 45, 46, 47 & 48 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item #'s 14, & 21 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
Sill Item #18 is attached to jambs utilizing (2) #10 X 1-1/2" pph screws at each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



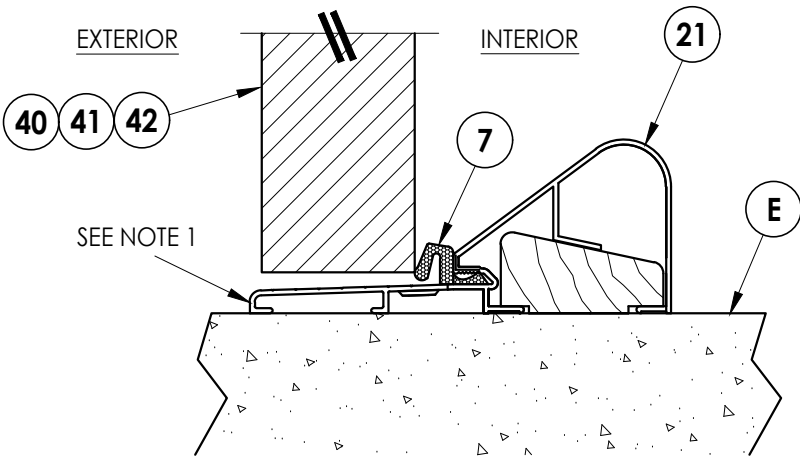
1
7 VERTICAL CROSS SECTION
Inswing Sill



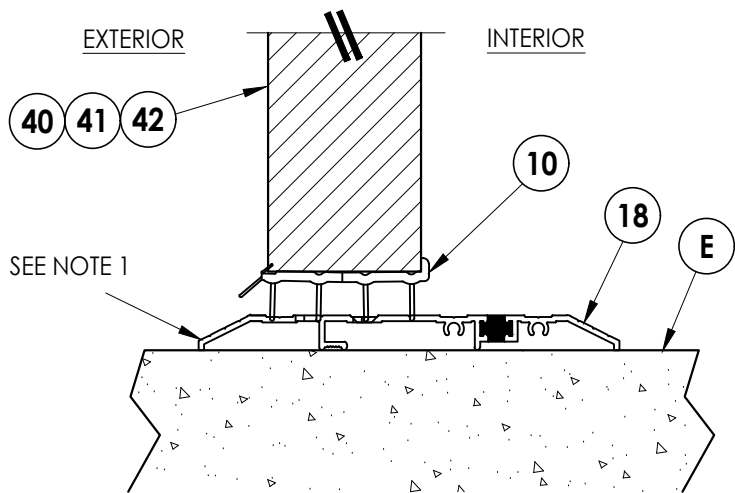
2
7 VERTICAL CROSS SECTION
Inswing Sill



3
7 VERTICAL CROSS SECTION
Outswing Sill



4
7 VERTICAL CROSS SECTION
Outswing Coastal Sill



5
7 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

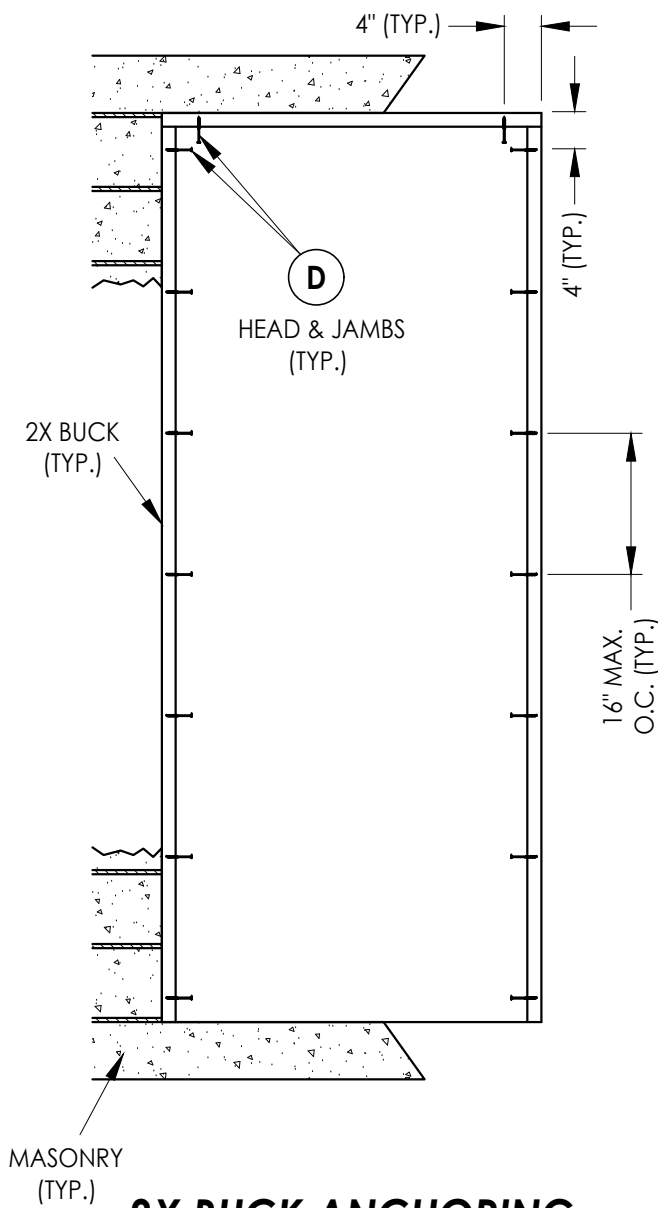
PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS
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

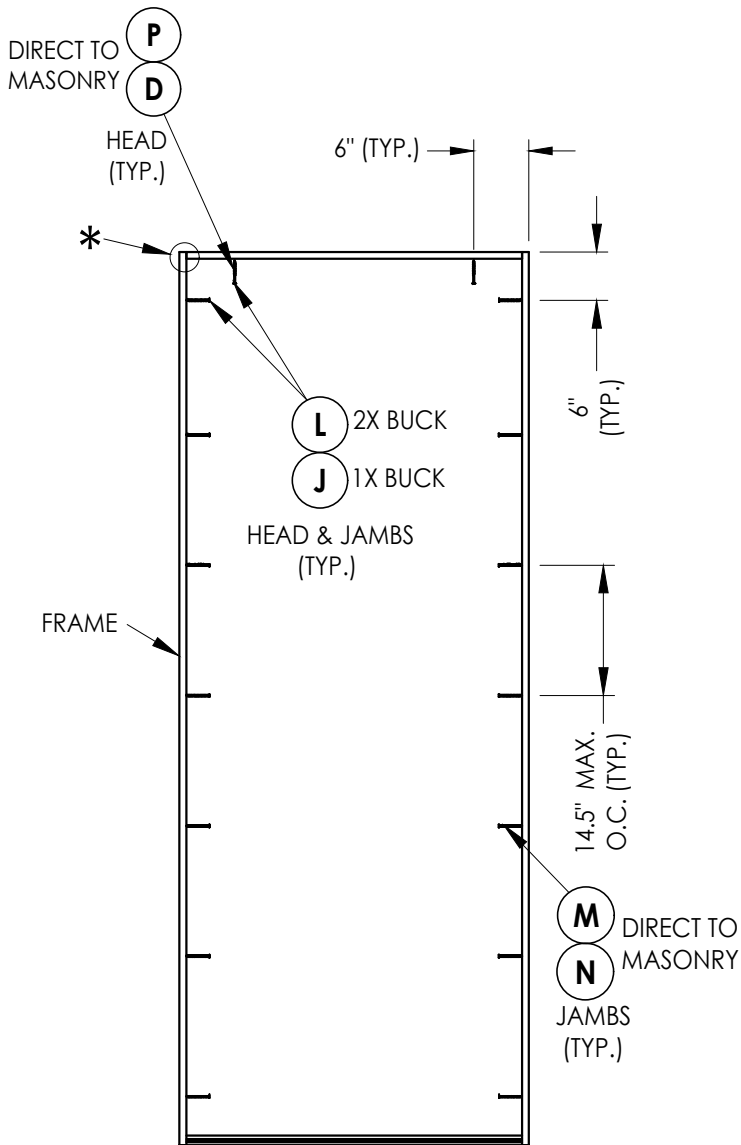
DATE: 4/21/20
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.:
FL-23957.4
SHEET 7 OF 10

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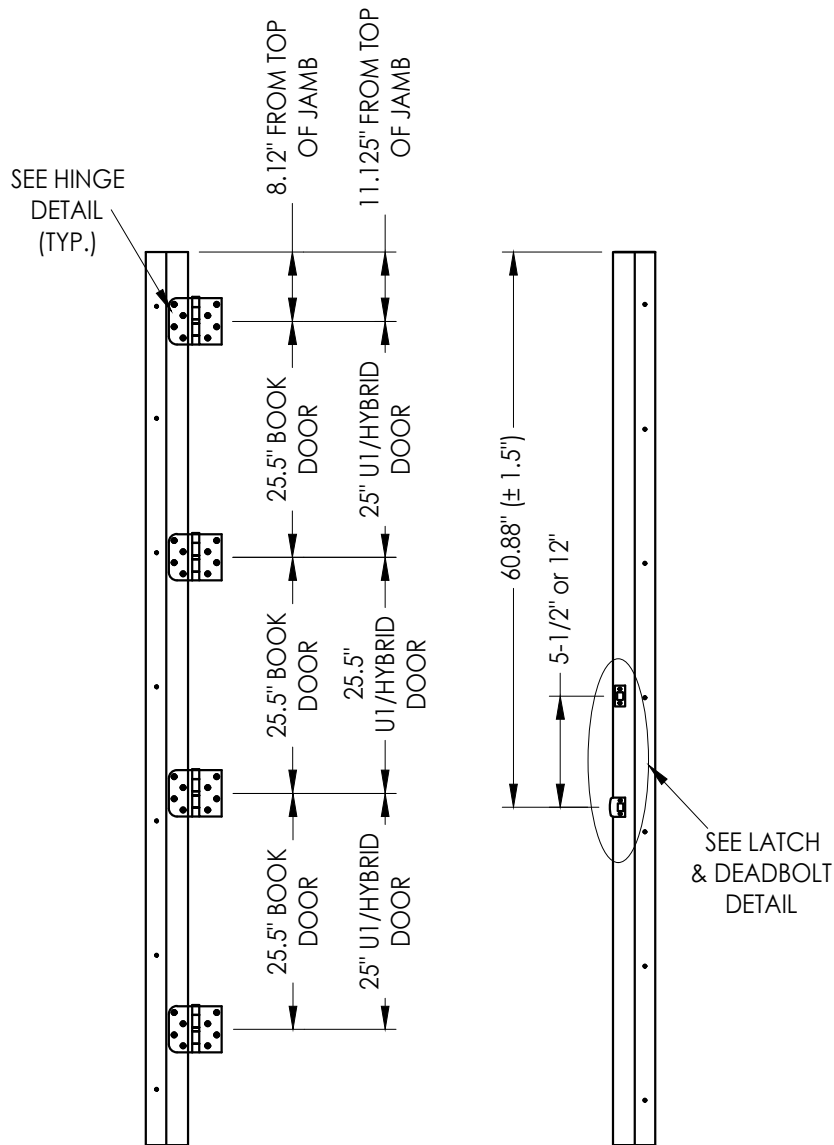
* NOTE: FRAME CORNERS @ HEAD ATTACHED TOGETHER w/ (3) #8 X 2-1/2" PFH WS (TYP.)



2X BUCK ANCHORING

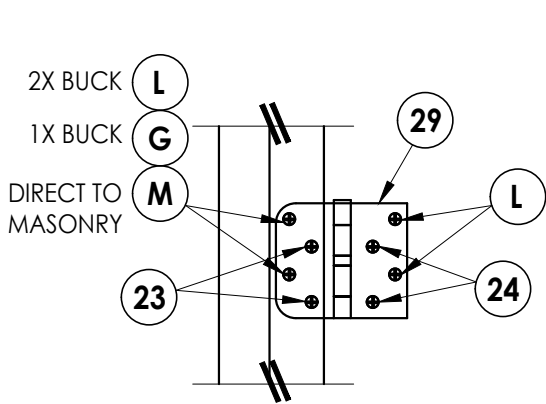


FRAME ANCHORING

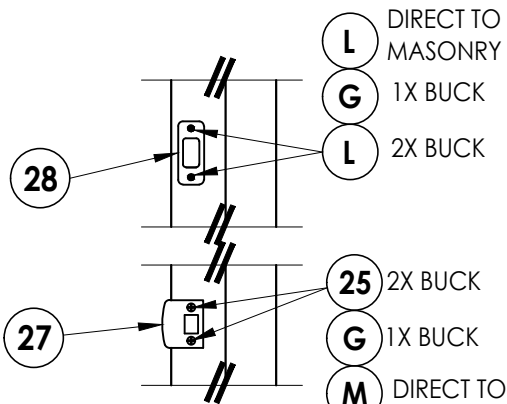


HINGE JAMB

STRIKE JAMB
Latch & Deadbolt



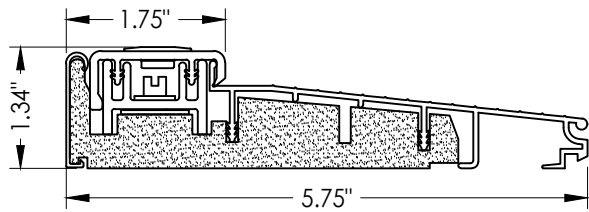
HINGE DETAIL



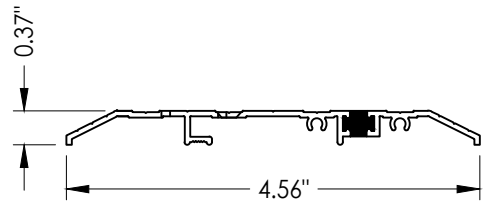
LATCH & DEADBOLT DETAIL

Documents Prepared By:		Lyndon F. Schmidt		P.E. No. 43409	
PRODUCT:		THERMA-TRU		FIBERGLASS DOOR	
PART OR ASSEMBLY:		BUCK & FRAME ANCHORING			
DATE		NO.		BY	
7/01/26		UPDATE TO 9TH ED. (2026)		FBC	
7/24/23		UPDATE TO 8TH ED. (2023)		FBC	
7/23/20		UPDATE TO 7TH ED (2020)		FBC	
DATE		NO.		BY	
4/21/20		DATE		BY	
SCALE:		N.T.S.			
DWG. BY:		RW			
CHK. BY:		LFS			
DRAWING NO.:		FL-23957.4			
SHEET		8		OF 10	

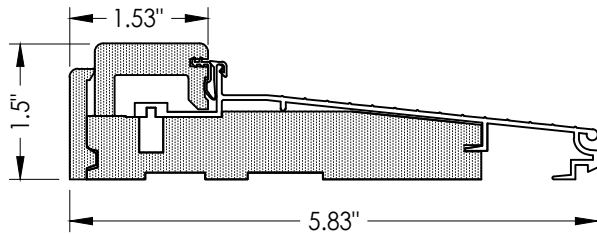
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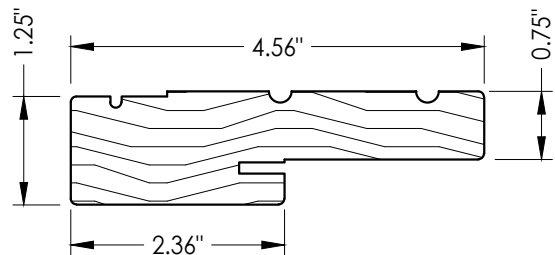
13 **INSWING THRESHOLD**
Adjustable



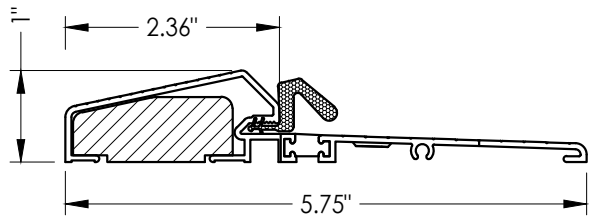
18 **PUBLIC ACCESS THRESHOLD**



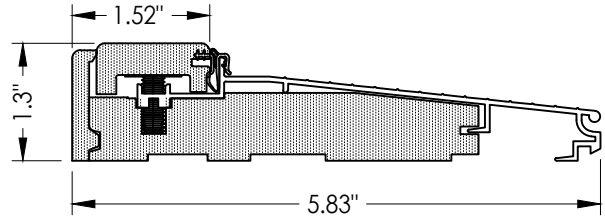
20 **INSWING THRESHOLD**
Adjustable



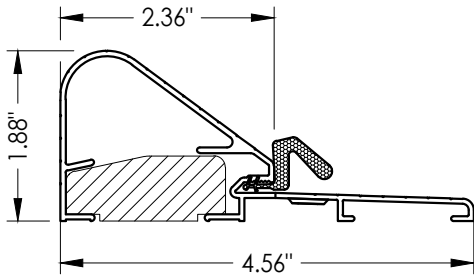
1 **WOOD JAMB**



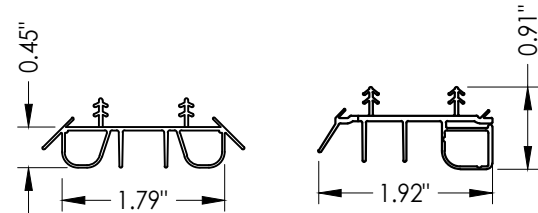
14 **OUTSWING THRESHOLD**



19 **INSWING THRESHOLD**
Adjustable

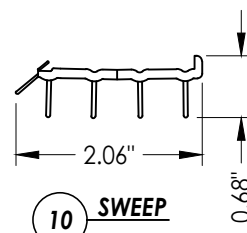


21 **OUTSWING THRESHOLD**
Coastal

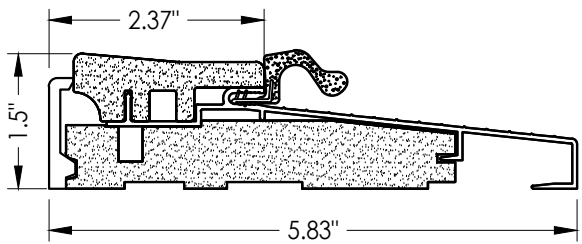


8 **SWEEP**

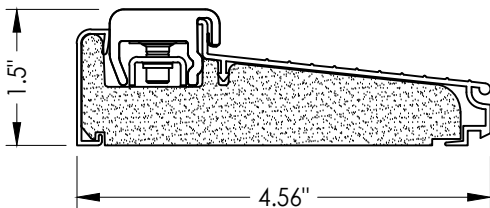
9 **SWEEP**



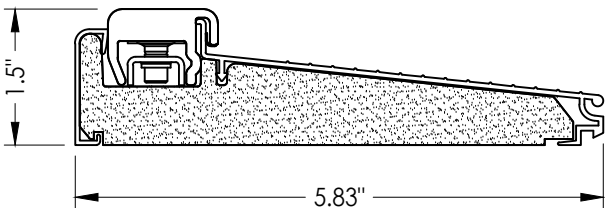
10 **SWEEP**



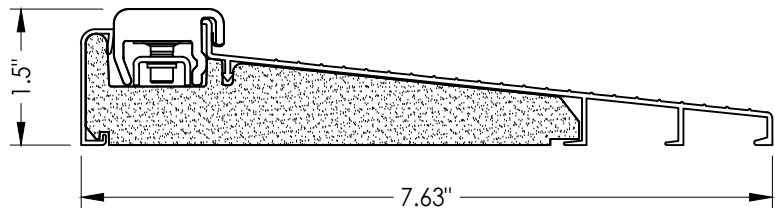
16 **OUTSWING THRESHOLD**



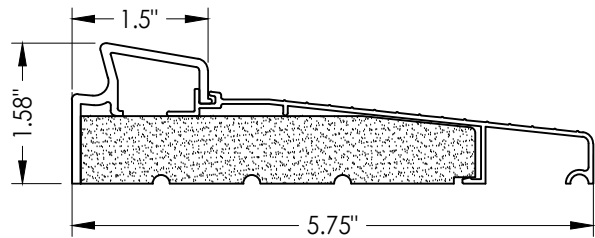
43 **INSWING THRESHOLD**
Inswing Composite Adjustable Sill
Book, Hybrid



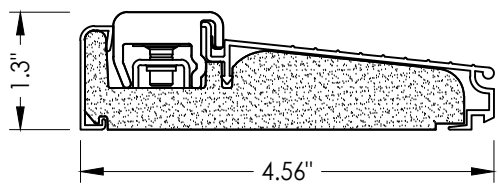
44 **INSWING THRESHOLD**
Inswing Composite Adjustable Sill
Book, Hybrid



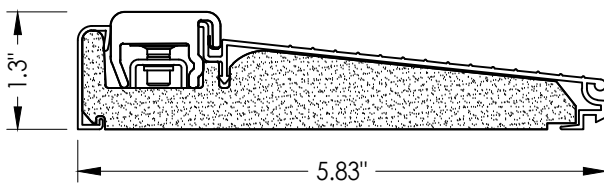
45 **INSWING THRESHOLD**
Inswing Composite Adjustable Sill
Book, Hybrid



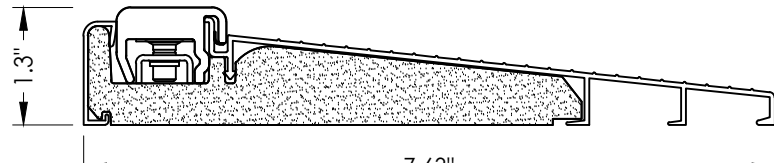
17 **INSWING THRESHOLD**
Basic Fixed



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



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



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

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:

COMPONENTS

NO.	DATE	REVISIONS			
		BY	LFS	FBC	DATE
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.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-23957.4

SHEET 9 OF 10

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 ULTRACON+	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.

[illegible]