



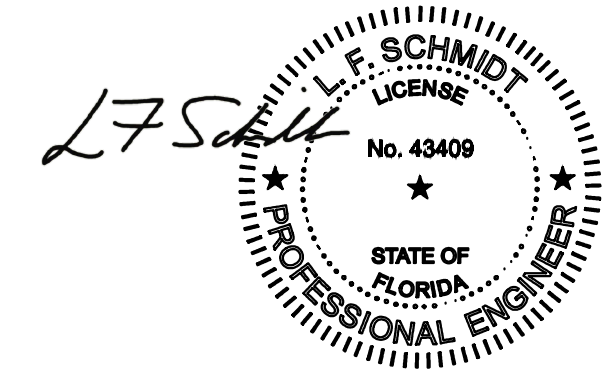
Fiber-Classic® & Smooth-Star®

"SHAKER"
COMPOSITE EDGE
FLUSH GLAZED 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. When used in areas requiring wind borne debris protection, this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
- 4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- 5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
- 6. Fiber-Classic & Smooth-Star Door and Sidelite panels require the use of "J" part numbers and must be stained or painted within six months of installation.

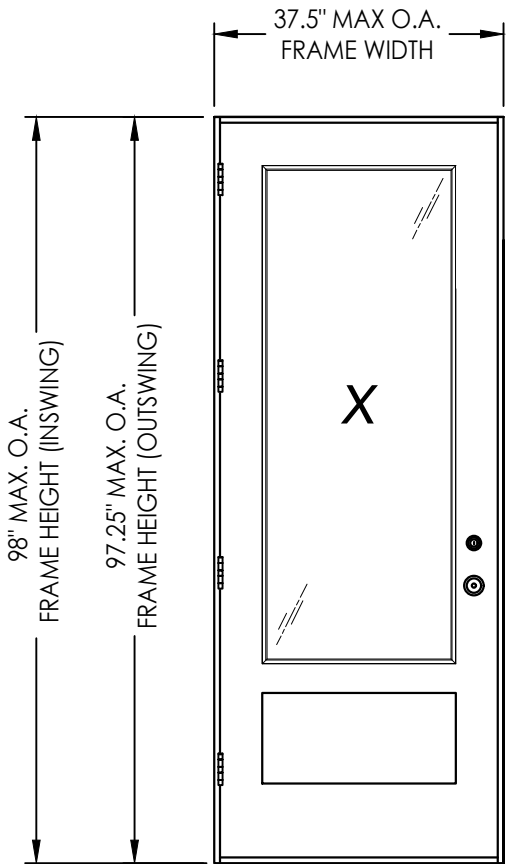
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6	Horizontal & Vertical Cross Sections (Direct to Masonry)
7	Vertical Cross Sections (Thresholds)
8	Buck & Frame Anchoring
9	Hardware Details
10	Bill of Materials & Components



Digitally signed by
Lyndon F Schmidt
Date: 2026.08.17
10:26:08 -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



CONFIGURATION	LOCK TYPE	JAMB MATERIAL	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	MULTIPOINT LOCK	FJ PINE or COMPOSITE	+70.0	-75.0	+70.0	-70.0
		FJ PINE	+45.0	-50.0	+45.0	-45.0
	LATCH & DEADBOLT	COMPOSITE	+45.0	-50.0	+50.0	-50.0

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: 5/06/26

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-48194.5

SHEET 1 OF 10

REVISIONS

NO.	DATE	DESCRIPTION
1	8/17/26	UPDATE TO 9TH ED. (2026) FBC

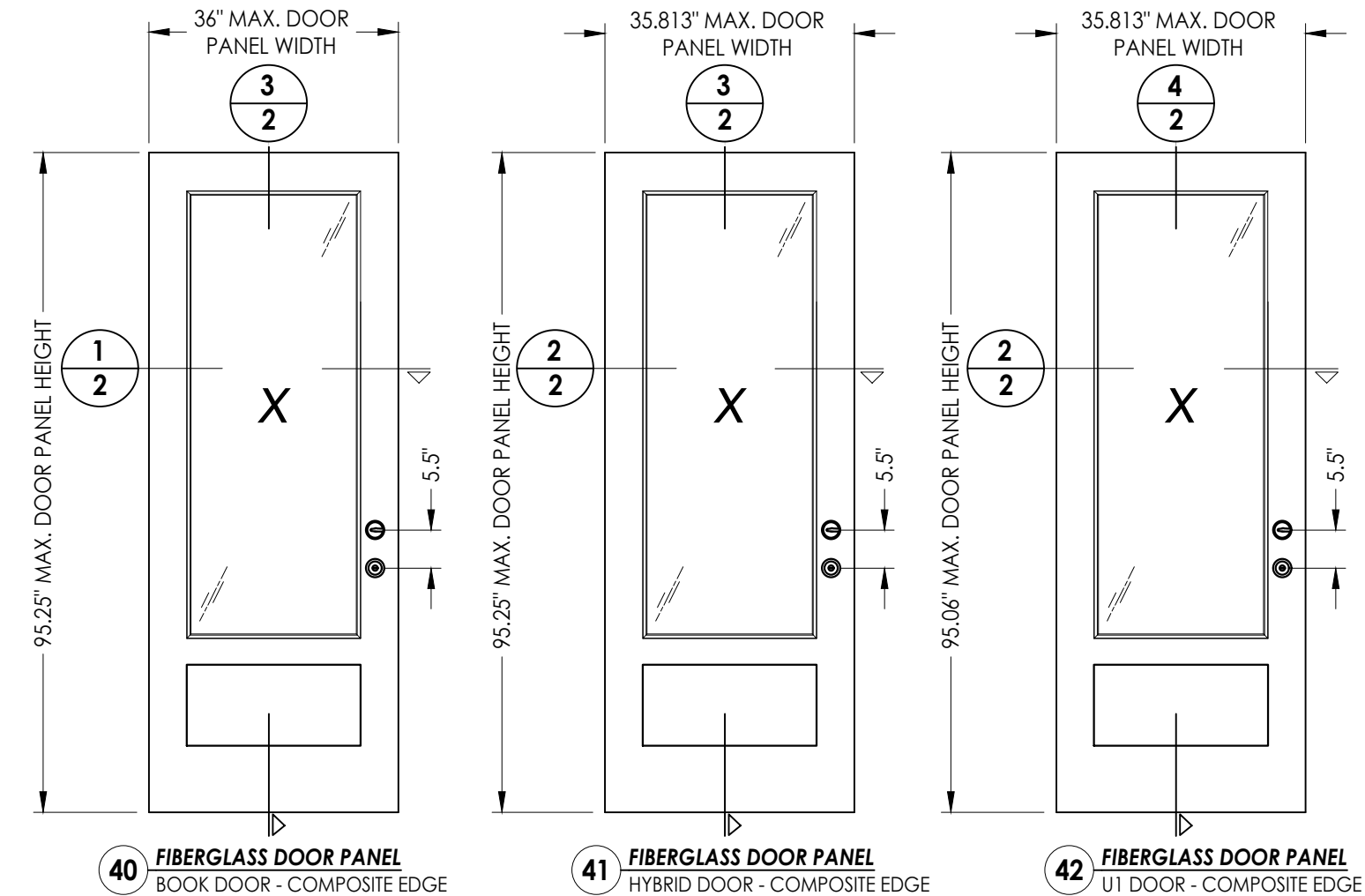
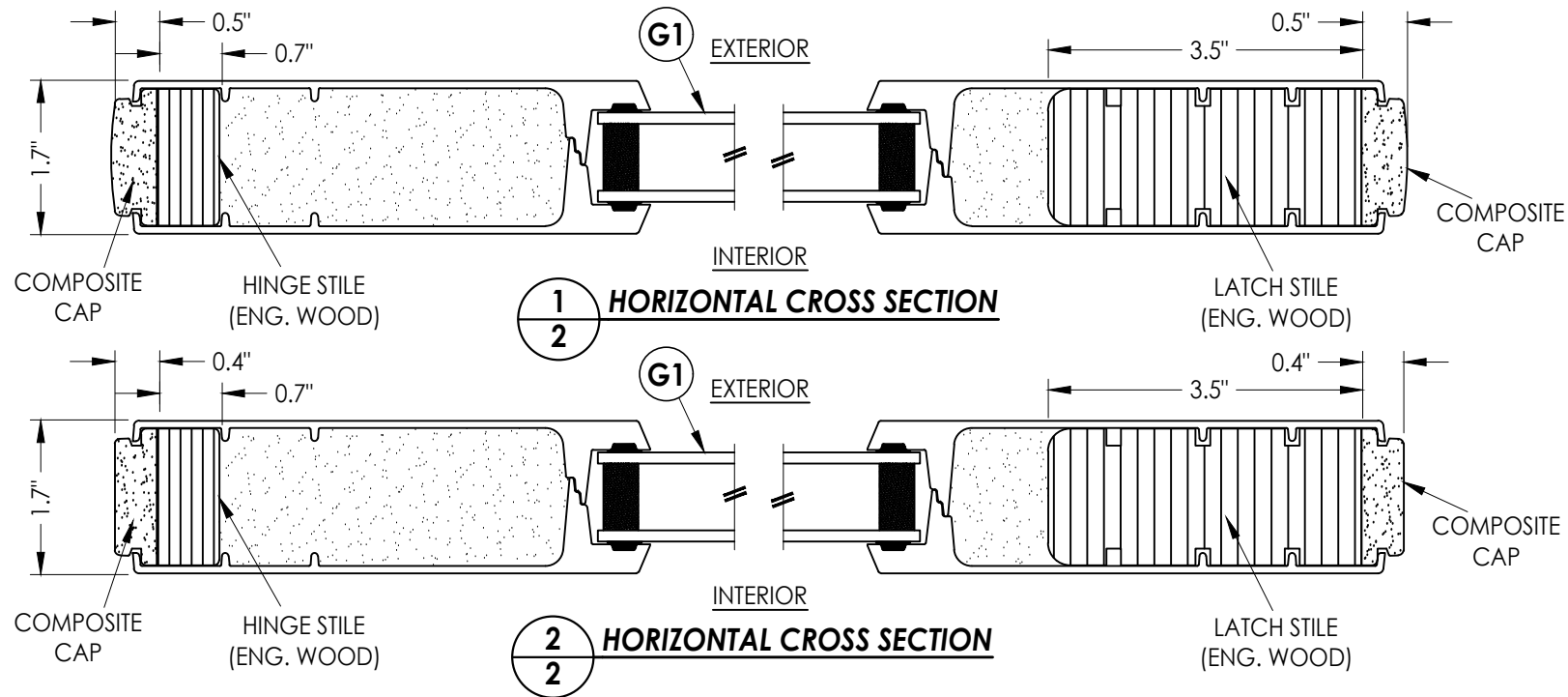
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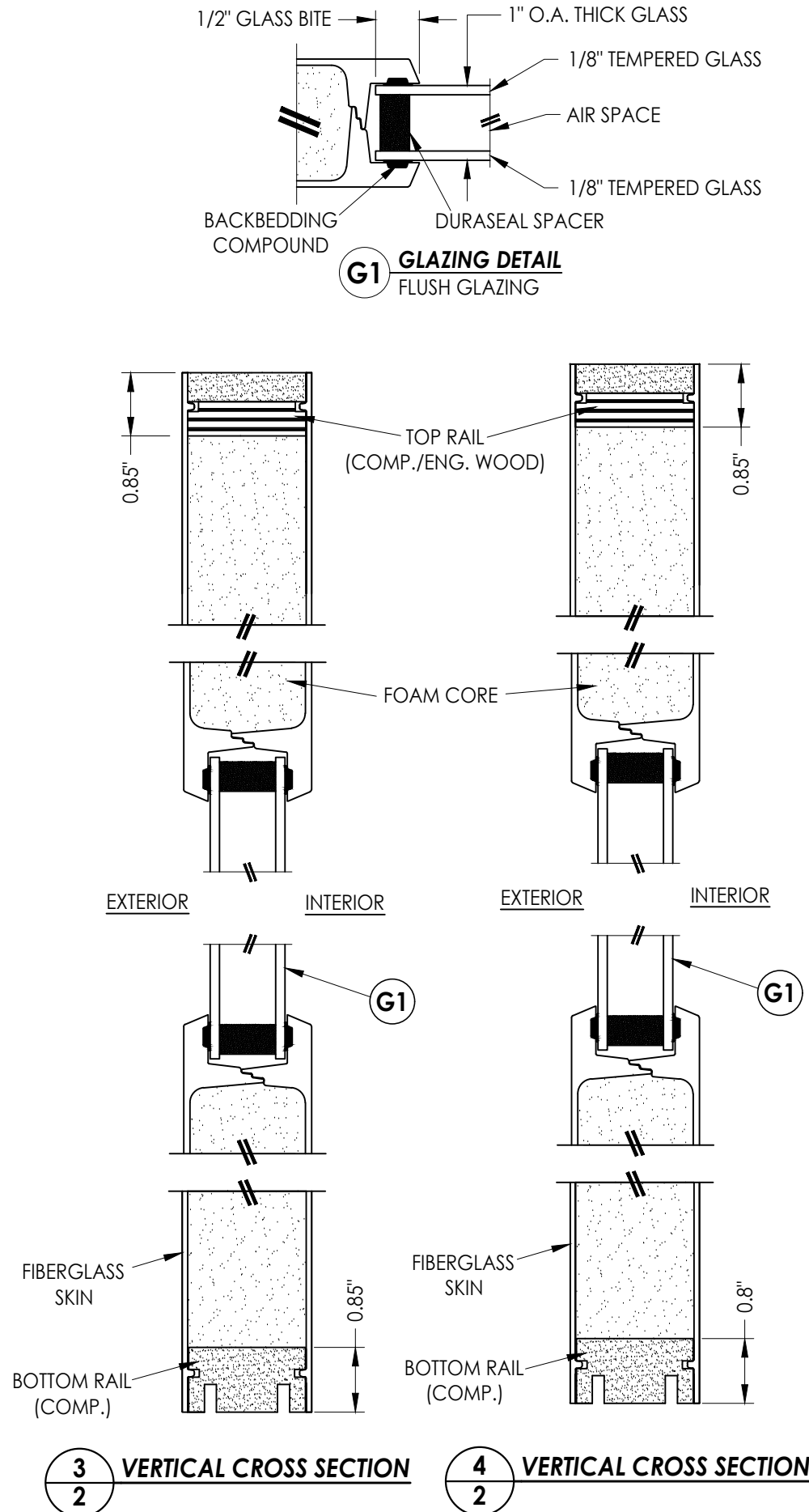
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FIBERGLASS SKIN: 0.070" MIN. THK.
FOAM CORE: POLYURETHANE -1.9 PCF MIN.



Documents Prepared By:
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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
& GLAZING DETAILS

NO.	DATE	REVISIONS
1	8/17/26	UPDATE TO 9TH ED. (2026) FBC
2		
3		
4		
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DATE: 5/06/26

SCALE: N.T.S.

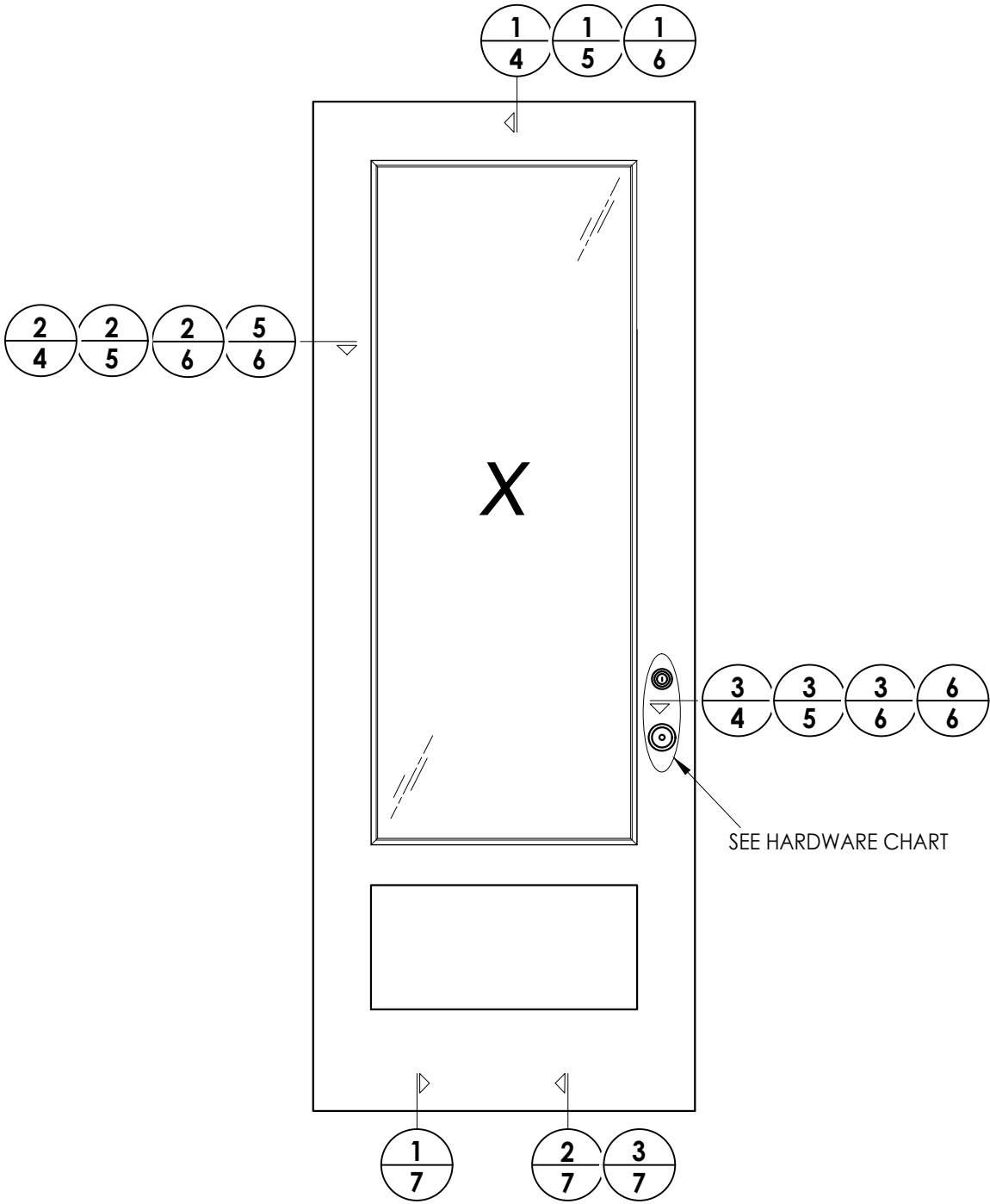
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SHEET 2 OF 10

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HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	Knob:	F51
	Deadbolt:	B60
KWIKSET	Knob:	SIGNATURE SERIES
	Deadbolt:	SIGNATURE SERIES (980)
HOPPE (THERMA-TRU)	MULTIPOINT : MPDGART (3 pt. Manual Tongue)	

DATE: 5/06/26

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-48194.5

SHEET 3 OF 10

18/17/26

8/17/26

UPDATE TO 9TH ED. (2026)

FBC

NO.

DATE

BY

REVISIONS

PRODUCT:

THERMA-TRU

FIBERGLASS DOOR

PART OR ASSEMBLY:

ELEVATIONS

Documents Prepared By:

Lyndon F. Schmidt

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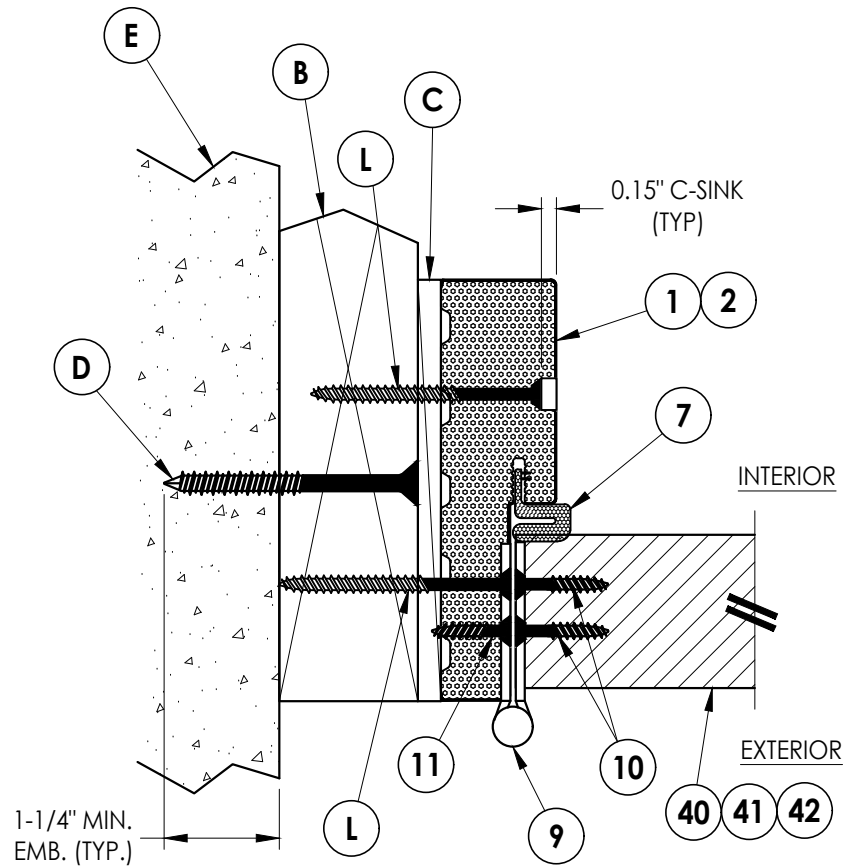
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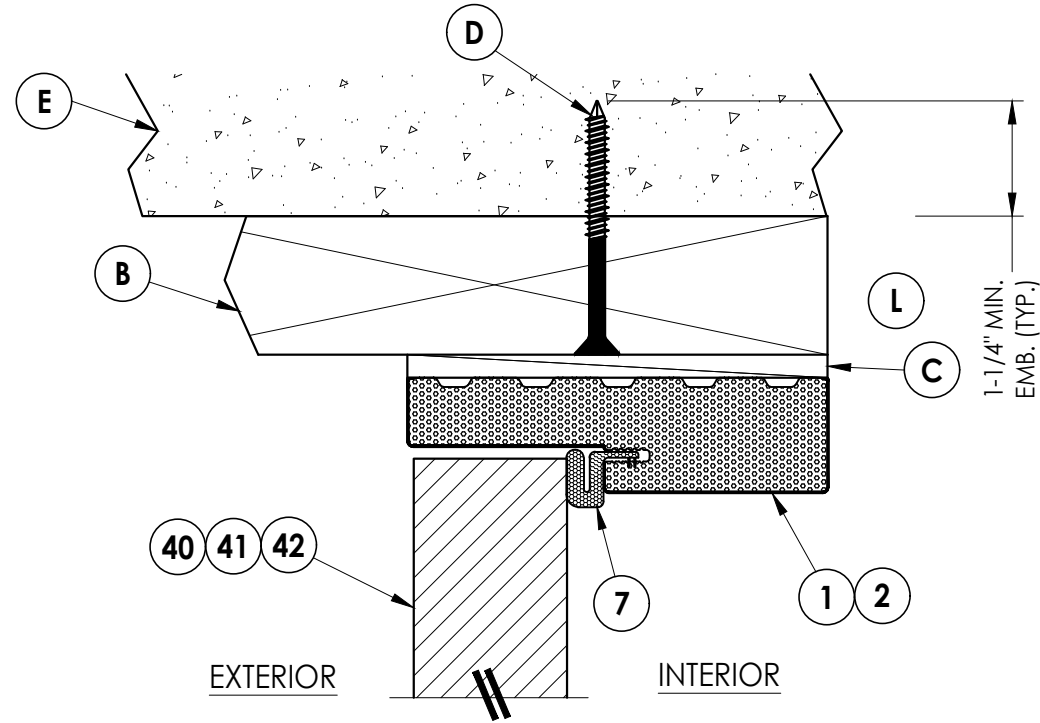
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FBPE Registry No. 9813

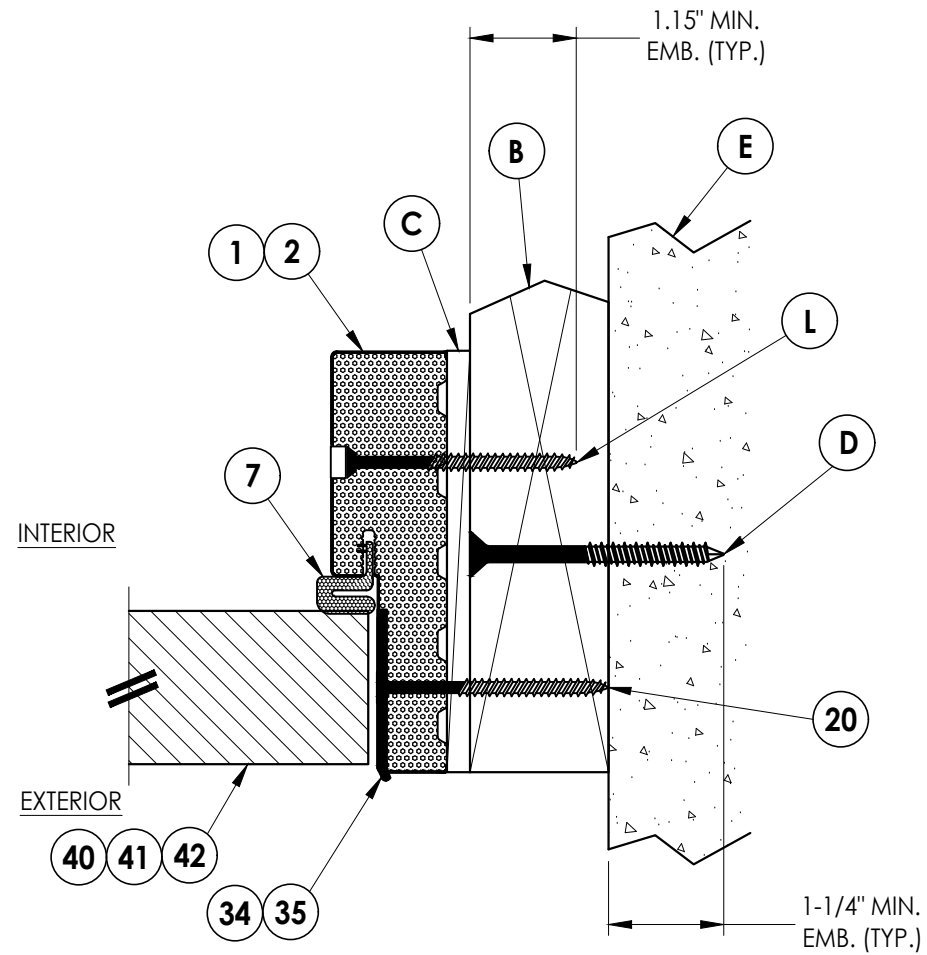
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2 HORIZONTAL CROSS SECTION
4 Shown w/ 2X Buck
Outswing shown (Inswing similar)



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



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

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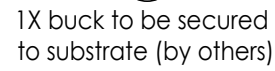
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

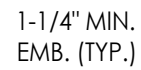
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DATE: 5/06/26
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-48194.5
SHEET 4 OF 10



1 5 **VERTICAL CROSS SECTION**

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



2 HORIZONTAL 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)

1	8/17/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
NO	DATE	REVISIONS			
				BY	

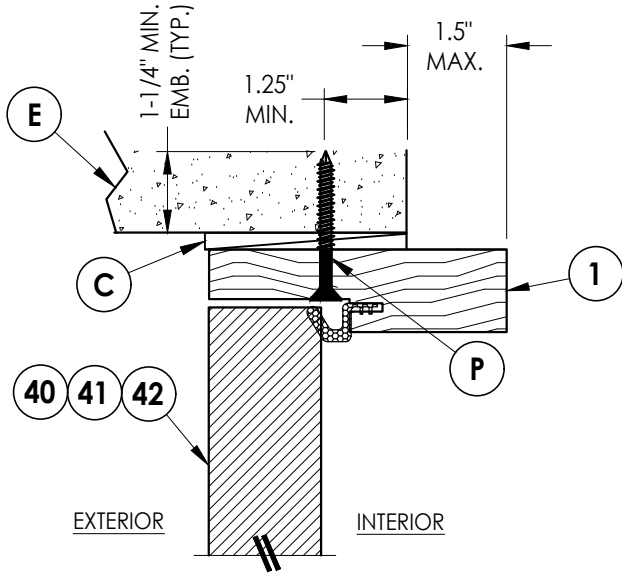
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CHK. BY:	RW
DRAWING NO.:	FL-48194.5
SHEET	<u>5</u> OF <u>10</u>

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

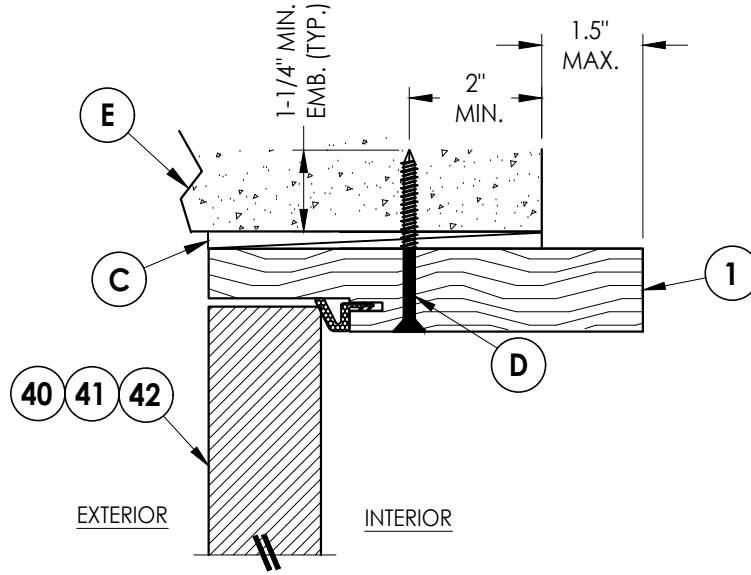
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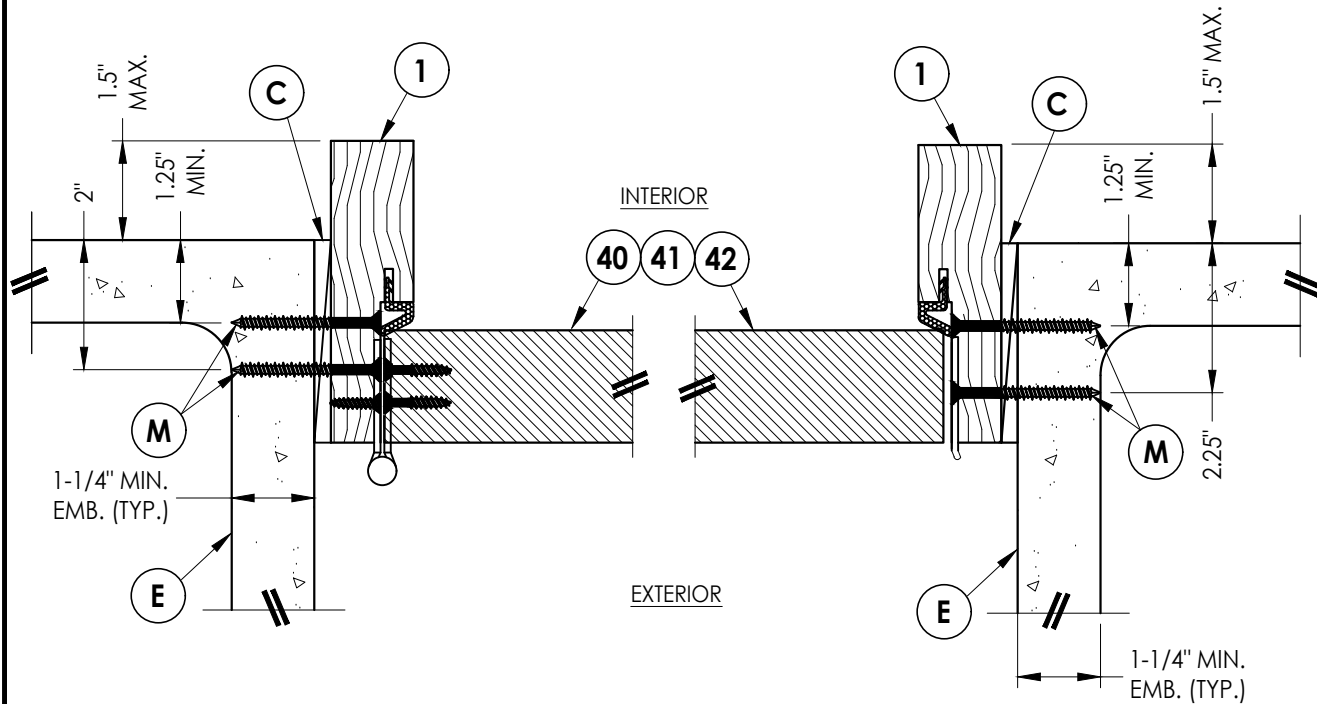


1 **VERTICAL CROSS SECTION**
6 Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



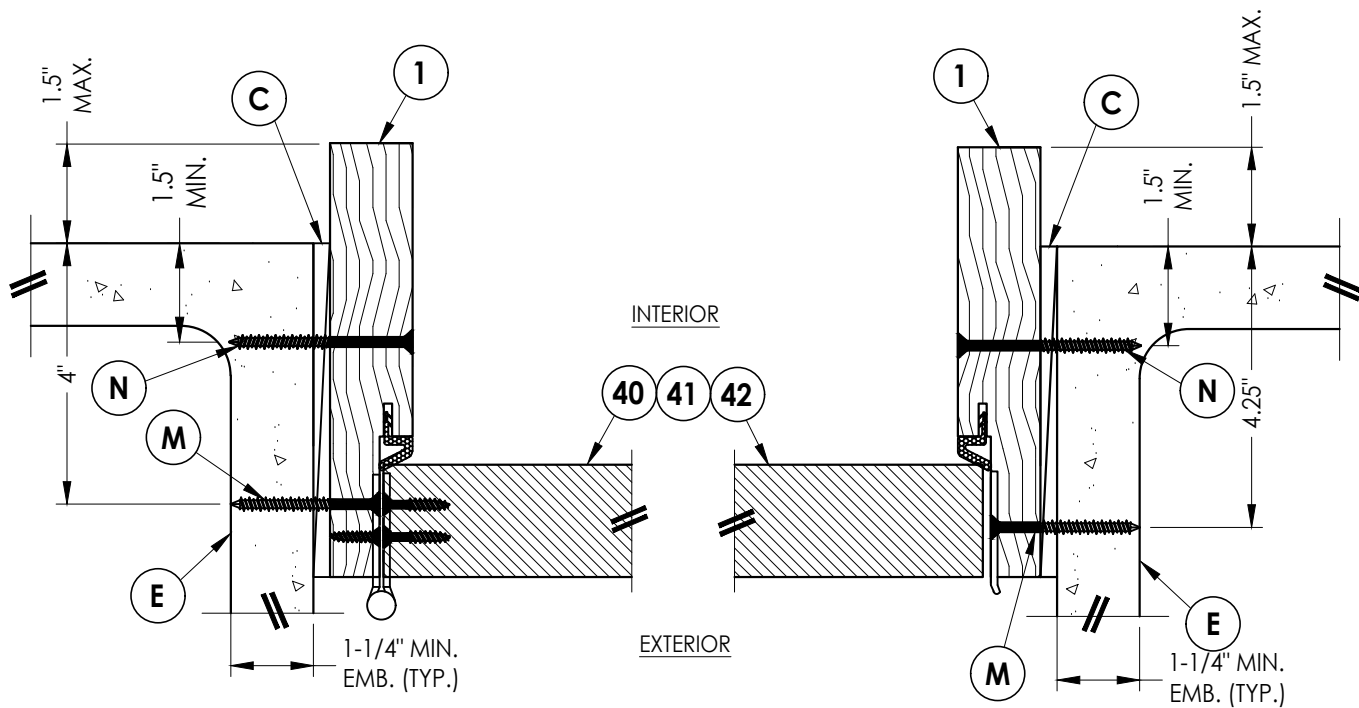
4 **VERTICAL CROSS SECTION**
6 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

DIRECT TO MASONRY MAX. DESIGN PRESSURE:
± 55 PSF



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

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



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

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

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:
HORIZONTAL & VERTICAL
SECTIONS (DIRECT TO MASONRY)

NO.	DATE	REVISIONS	
		LFS	BY
1	8/17/26	UPDATE TO 9TH ED. (2026) FBC	

DATE: 5/06/26

SCALE: N.T.S.

DWG. BY: LFS

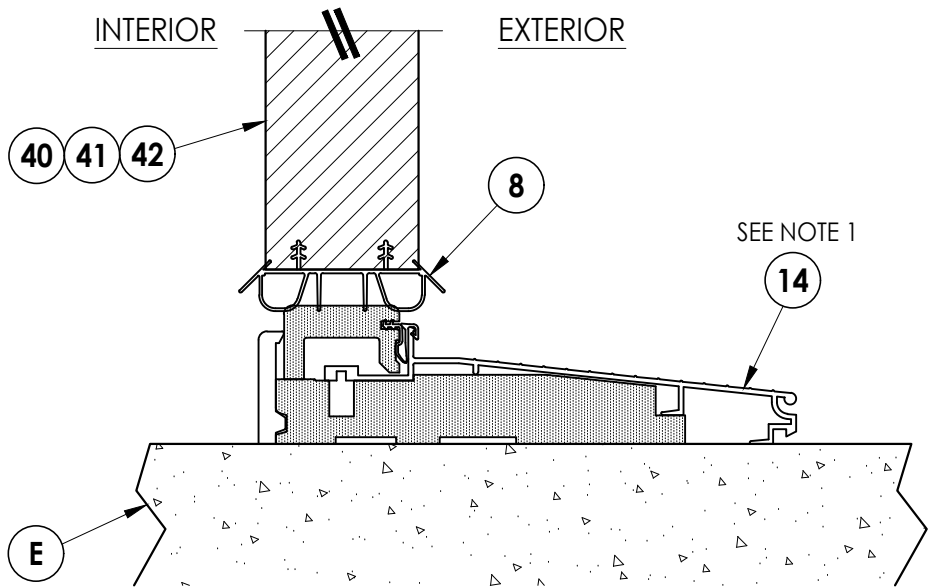
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DRAWING NO.:
FL-48194.5

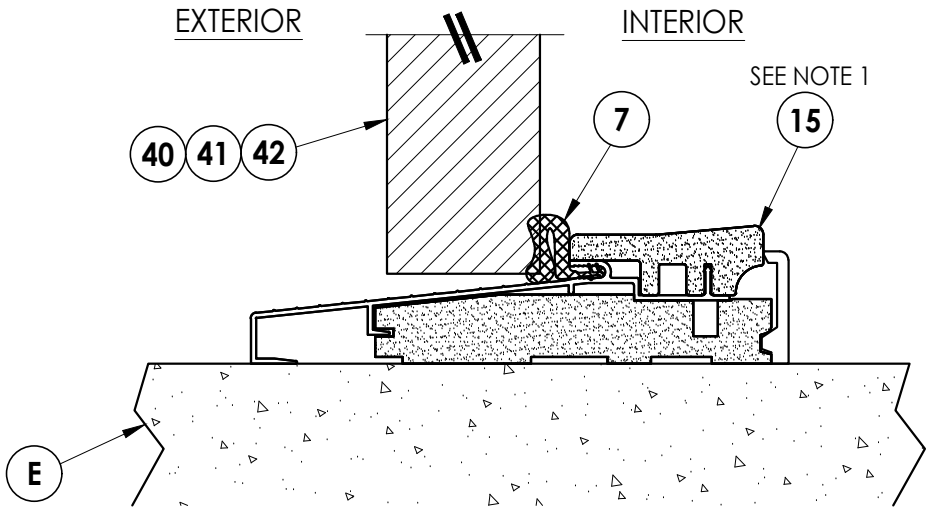
SHEET 6 OF 10

Notes:

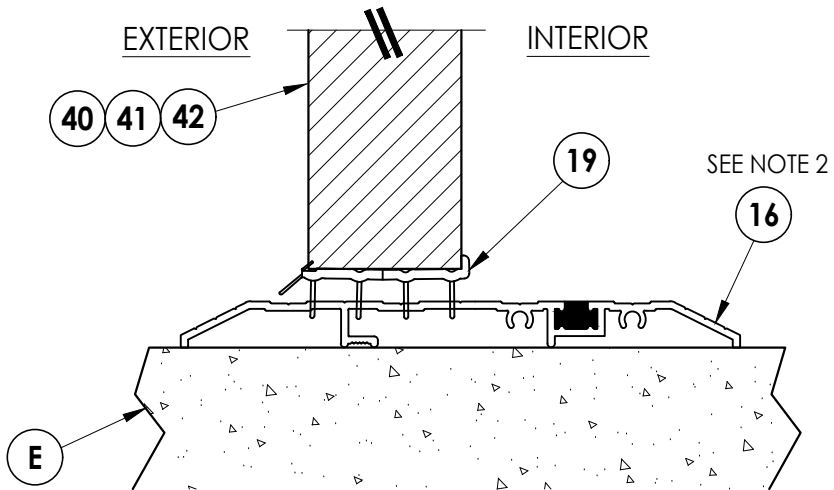
1. Sill items #14 & 15 are attached to each jamb w/ (3) #9 X 2-1/2" FH Deep Thread Wood Screws.
2. Sill item #16 is attached to each jamb w/ (4) #10 X 2" PH SMS at each end (2 screws through jamb into sill & 2 screws through sill up into jamb).



1
7 **VERTICAL CROSS SECTION**
Inswing Sill



2
7 **VERTICAL CROSS SECTION**
Outswing Sill



3
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	DESCRIPTION
1	8/17/26	UPDATE TO 9TH ED. (2026) FBC
		LFS
		BY

DATE: 5/06/26

SCALE: N.T.S.

DWG. BY: LFS

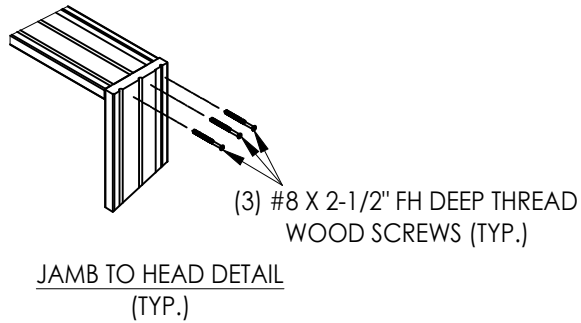
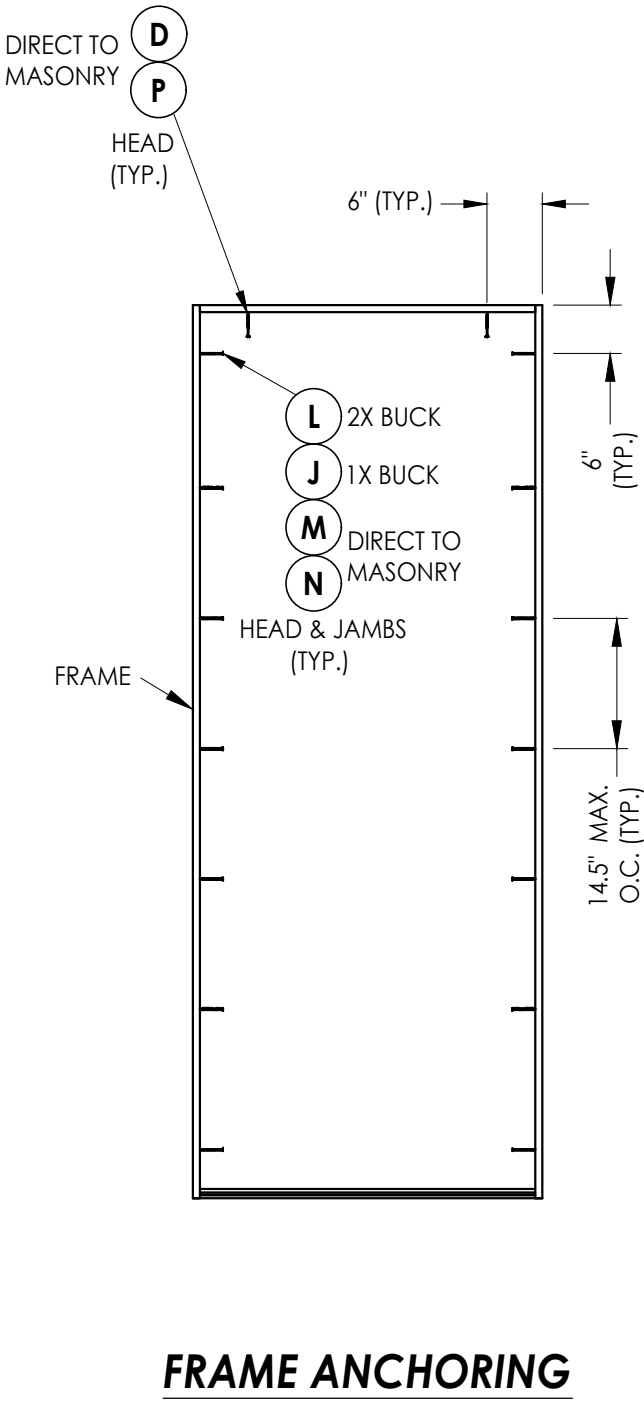
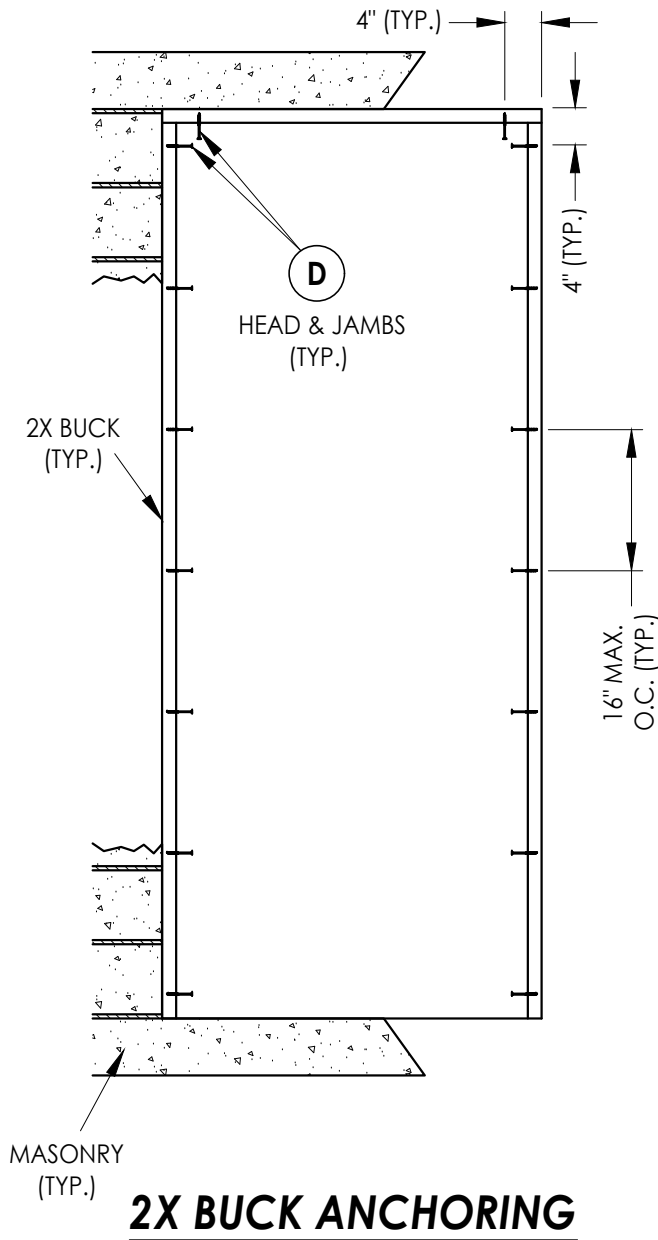
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DRAWING NO.:

FL-48194.5

SHEET 7 OF 10

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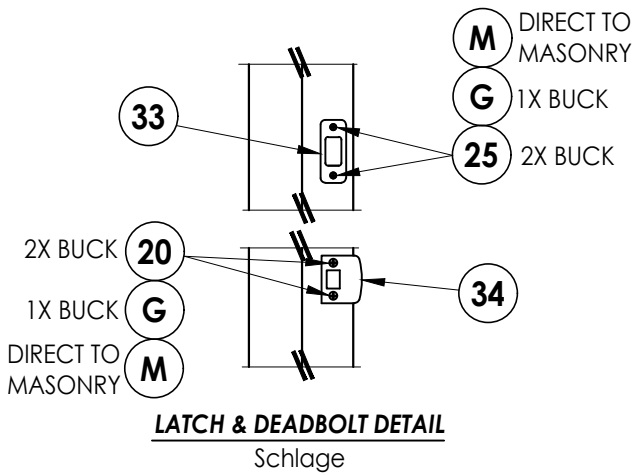
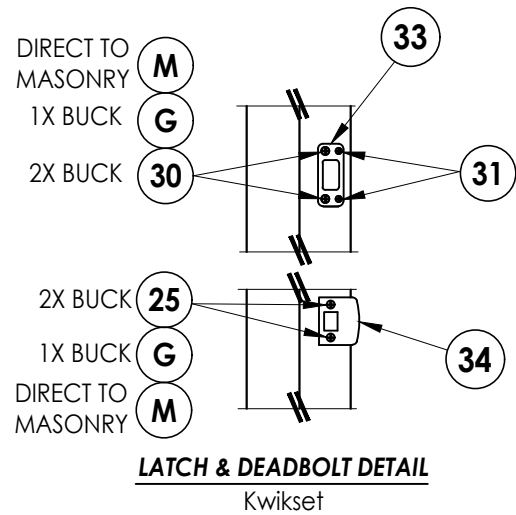


DATE:	5/06/26
SCALE:	N.T.S.
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CHK. BY:	RW
DRAWING NO.:	FL-48194.5
SHEET	8 OF 10

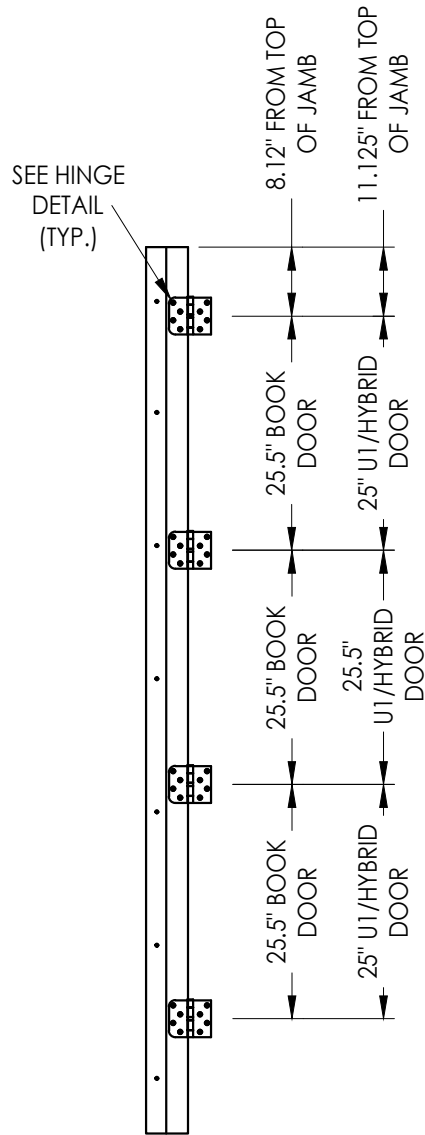
PRODUCT:	Therma-Tru FIBERGLASS DOOR
PART OR ASSEMBLY:	BUCK & FRAME ANCHORING

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
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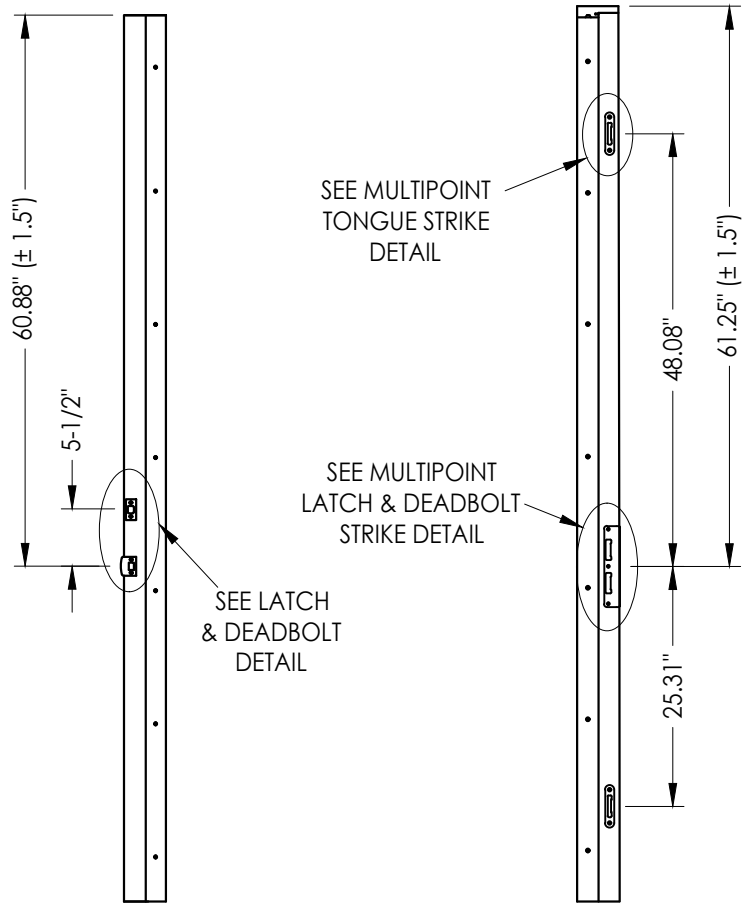
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LATCH & DEADBOLT STRIKE DETAILS

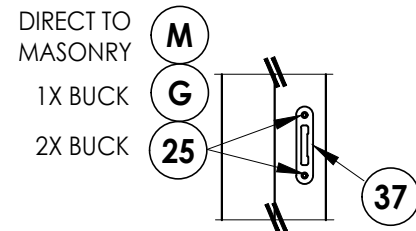
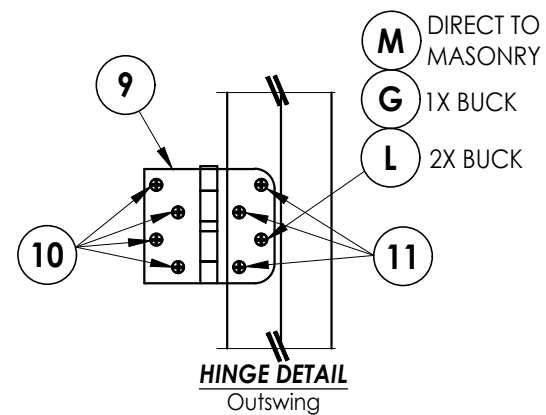
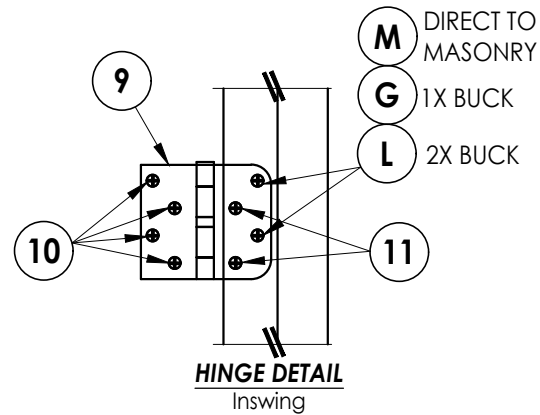


HINGE JAMB

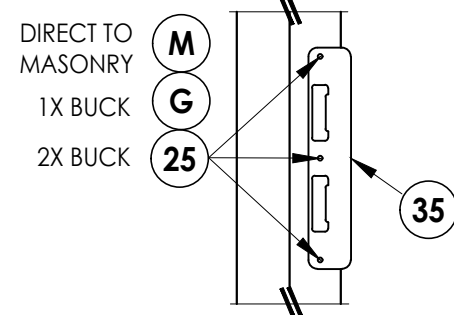


STRIKE JAMB
Latch & Deadbolt

STRIKE JAMB
Multipoint Lock



MULTIPOINT TONGUE STRIKE PLATE DETAIL



MULTIPOINT LATCH & DEADBOLT STRIKE PLATE DETAIL

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

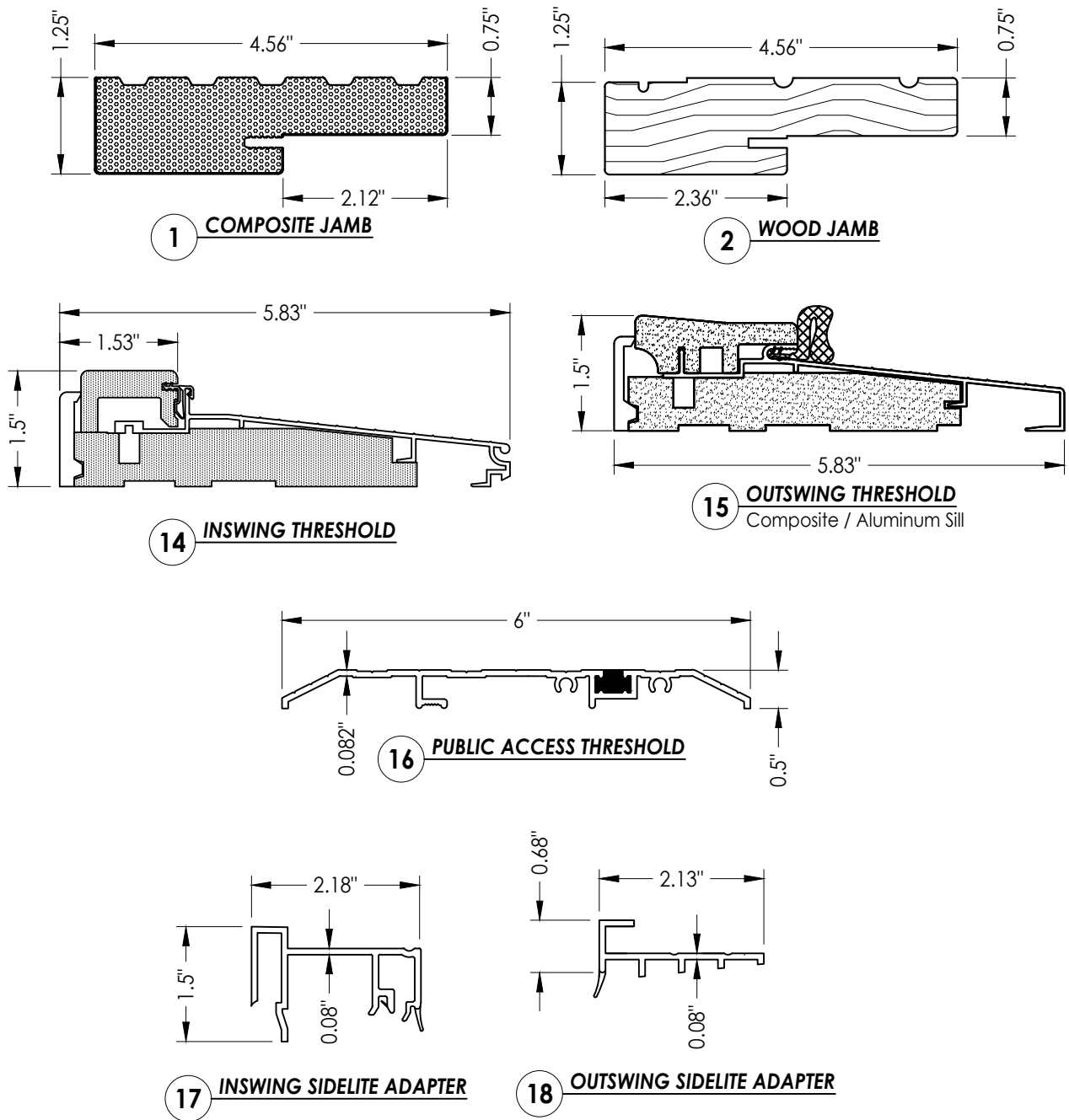
PART OR ASSEMBLY:
HARDWARE DETAILS

NO.	DATE	REVISIONS
1	8/17/26	UPDATE TO 9TH ED. (2026) FBC LFS BY

DATE: 5/06/26
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-48194.5
SHEET 9 OF 10

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 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
F	#10 X 2" PFH WOOD SCREW	STEEL
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" ITW CONCRETE SCREW	STEEL
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL
P	1/4" X 2-3/4" PFH ELCO CONCRETE SCREW	STEEL
1	COMPOSITE JAMB	COMP
2	WOOD JAMB (FINGER JOINT PINE)	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
9	4" X 4" HINGE	STEEL
10	#10 X 1" PFH WOOD SCREW	STEEL
11	#10 X 3/4" PFH WOOD SCREW	STEEL
14	INSWING THRESHOLD	ALUM/COMP
15	OUTSWING THRESHOLD	ALUM/COMP
16	PUBLIC ACCESS THRESHOLD	ALUM
17	INSWING SIDELITE ADAPTER	VINYL
18	OUTSWING SIDELITE ADAPTER	VINYL
19	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
26	#9 X 2-1/2" PFH WOOD SCREW	STEEL
30	#12 X 2-1/2" PFH WOOD SCREW	STEEL
31	#8 X 3/4" PFH WOOD SCREW	STEEL
33	DEADBOLT STRIKE PLATE	STEEL
34	LATCH STRIKE PLATE	STEEL
35	MULTIPOINT LATCH STRIKE PLATE	STEEL
37	MULTIPOINT TONGUE STRIKE PLATE	STEEL
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-
50	SIDELITE PANEL	-

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:
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	AS SHOWN

- 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.

Documents Prepared By:

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P.O. Box 230 Valrico FL. 33595
Phone No.: 813.659.9197

Florida Board of Professional Engineers
Certificate Of Authorization No. 9813

PRODUCT:

THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

BILL OF MATERIALS & COMPONENTS

1	8/17/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
NO.	DATE			BY
REVISIONS				

REVISIONS

DATE: 5/06/26

SCALE: *N.T.S.*

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-48194.5

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