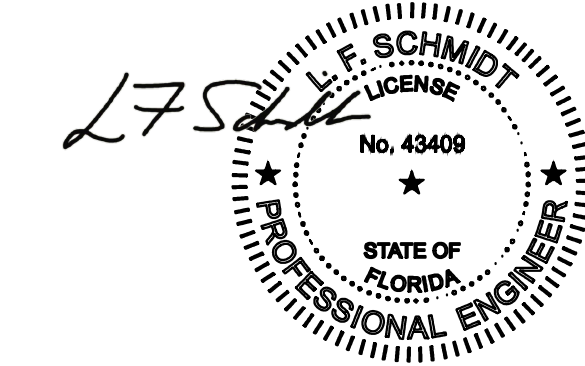


COMPOSITE EDGE
GLAZED FIBERGLASS SINGLE DOOR
INSWING/OUTSWING
"NON-IMPACT"

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. Benchmark Door panels require the use of "J" part numbers and must be stained or painted within six months of installation.

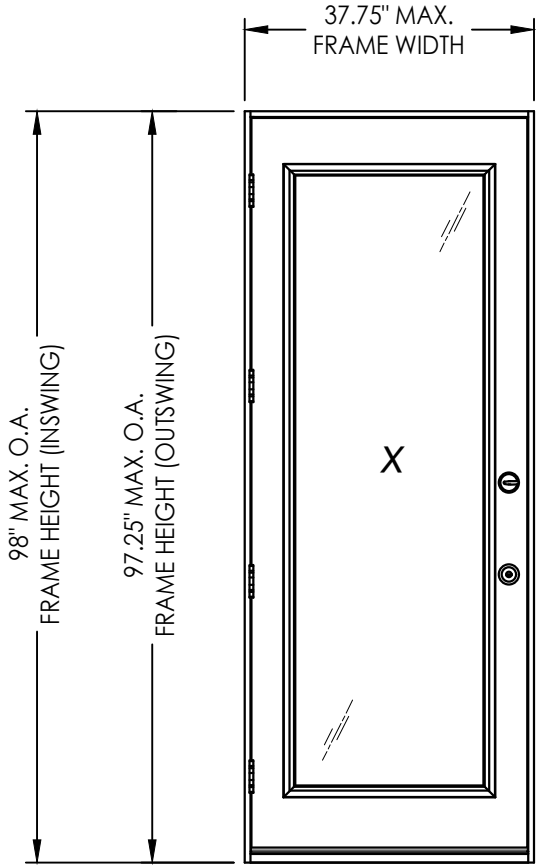
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
2	Door Panel Details
3	Door Panel Details
4	Door Panel Details
5	Elevations
6	Horizontal & Vertical Cross Sections (2X Buck)
7	Horizontal & Vertical Cross Sections (1X Buck)
8	Horizontal & Vertical Cross Sections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



Digitally signed by Lyndon F Schmidt
Date: 2026.08.06 16:15:37 -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	LITE INSERT	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	Lip Lite	+47.0	-47.0	+47.0	-47.0
X	Flush Glazed	+45.0	-45.0	+45.0	-45.0
X	3/4 Flush Glazed	+35.0	-35.0	+35.0	-35.0

See Sheet 5 for Hardware Specifications

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

THERMA-TRU
FIBERGLASS DOOR

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

DATE: 03/07/20

SCALE: N.T.S.

DWG. BY: TJ

CHK. BY: LFS

DRAWING NO.: FL-21135.16

SHEET 1 OF 14

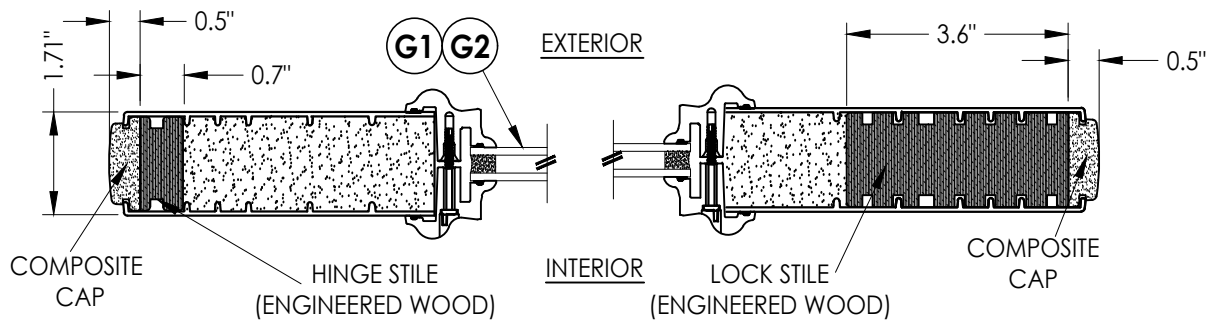
REVISIONS

3	7/2/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
2	8/21/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	7/16/20	UPDATE TO 7th ED (2020)	FBC	PO
NO.	DATE			BY

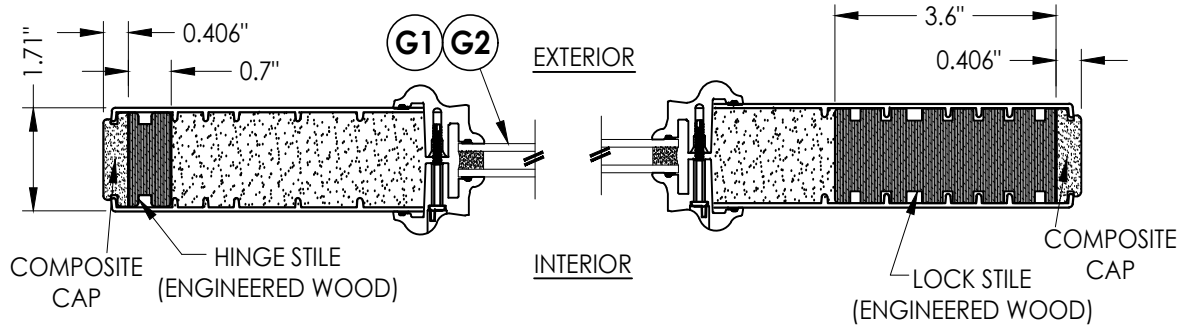
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FBPE Registry No. 9813

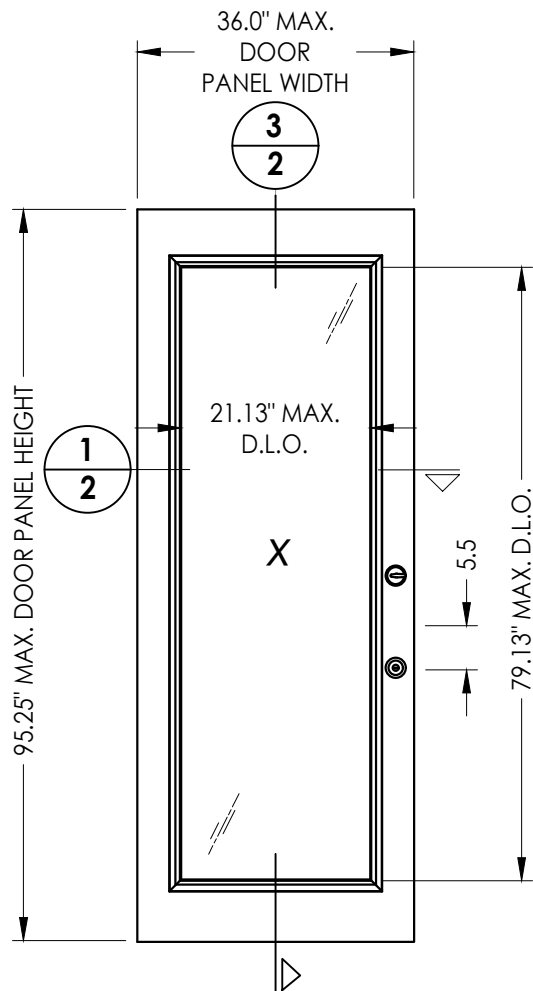
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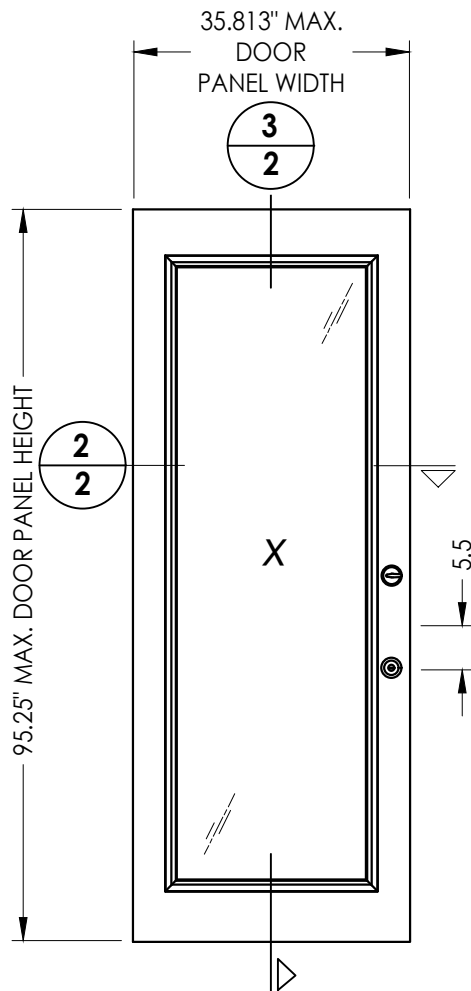
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2** HORIZONTAL CROSS SECTION



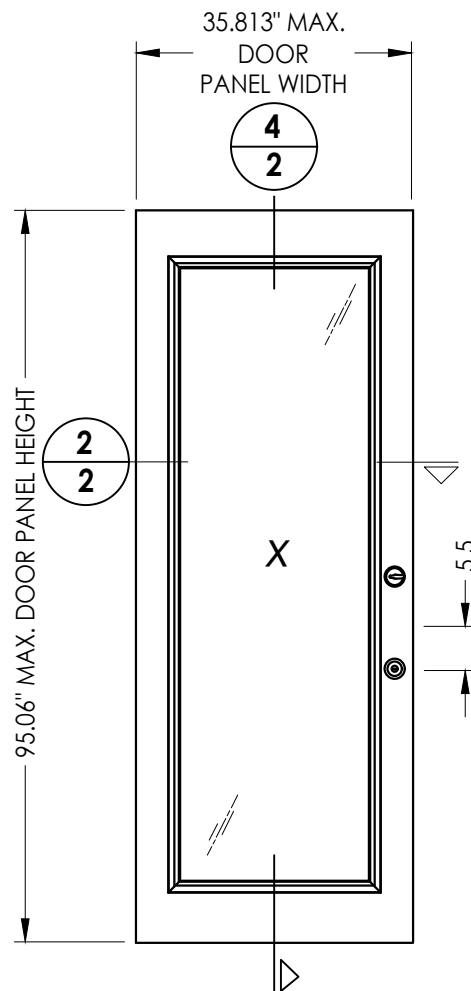
**2
2** HORIZONTAL CROSS SECTION



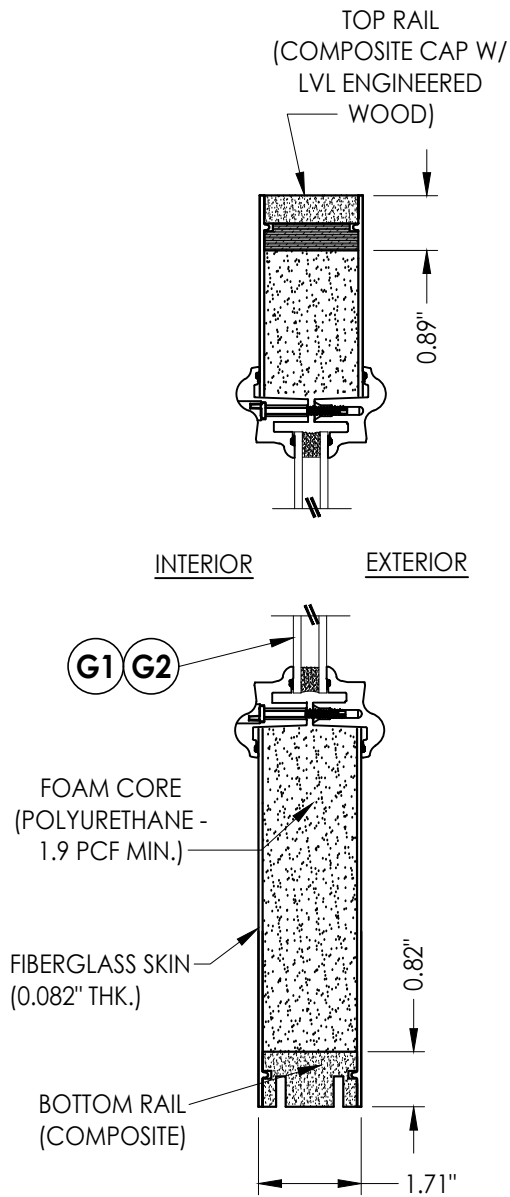
40 DOOR PANEL
BOOK



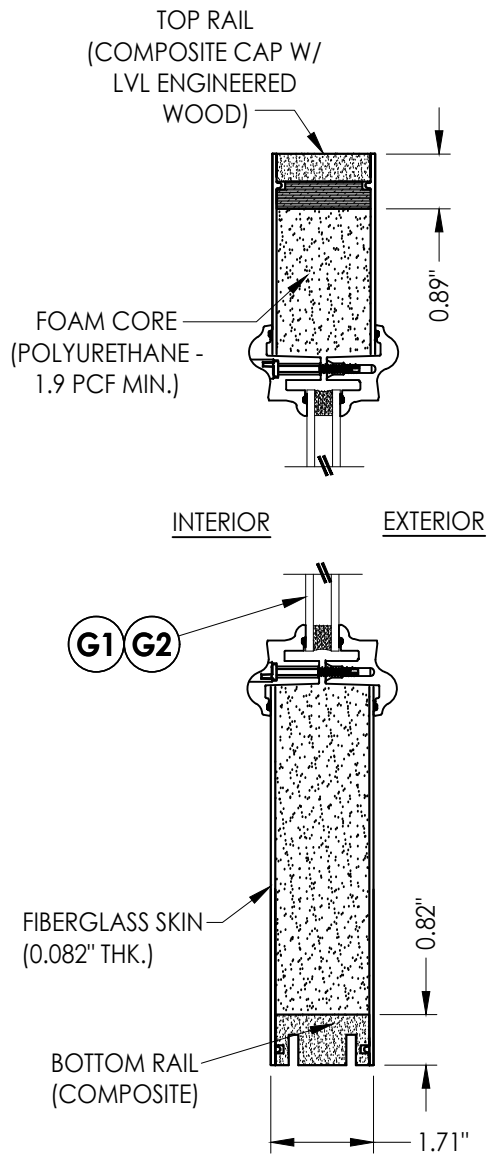
41 DOOR PANEL
Hybrid Door



42 DOOR PANEL
U1 Door



**3
2** VERTICAL CROSS SECTION



**4
2** VERTICAL CROSS SECTION

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P.E. No. 43409

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FBPE Registry No. 9813

RW

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
3	7/2/26	UPDATE TO 9TH ED. (2026) FBC
2	8/21/23	UPDATE TO 8TH ED. (2023) FBC
1	7/16/20	UPDATE TO 7th ED (2020) FBC
PO		
BY		

DATE: 03/07/20

SCALE: N.T.S.

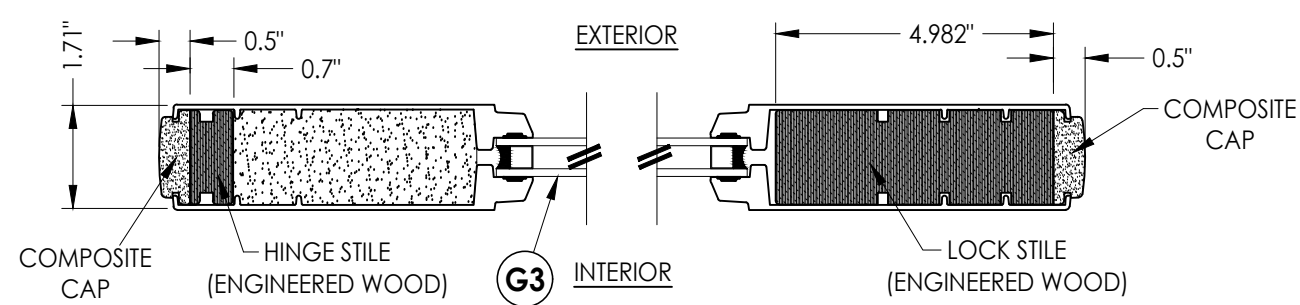
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CHK. BY: LFS

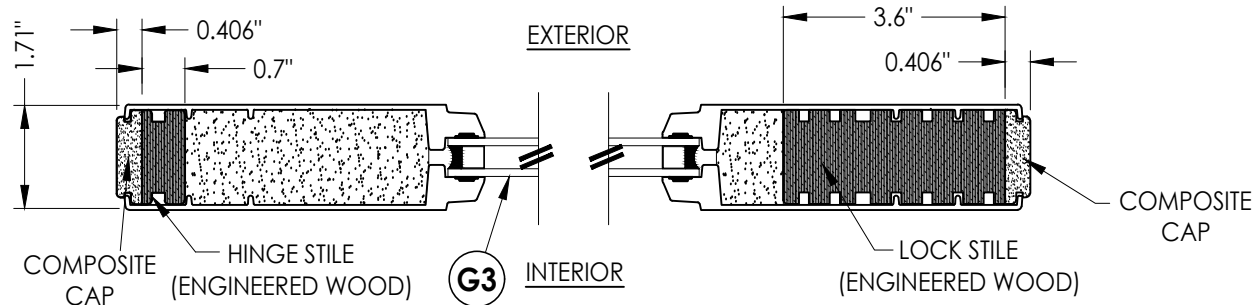
DRAWING NO.: FL-21135.16

SHEET 2 OF 14

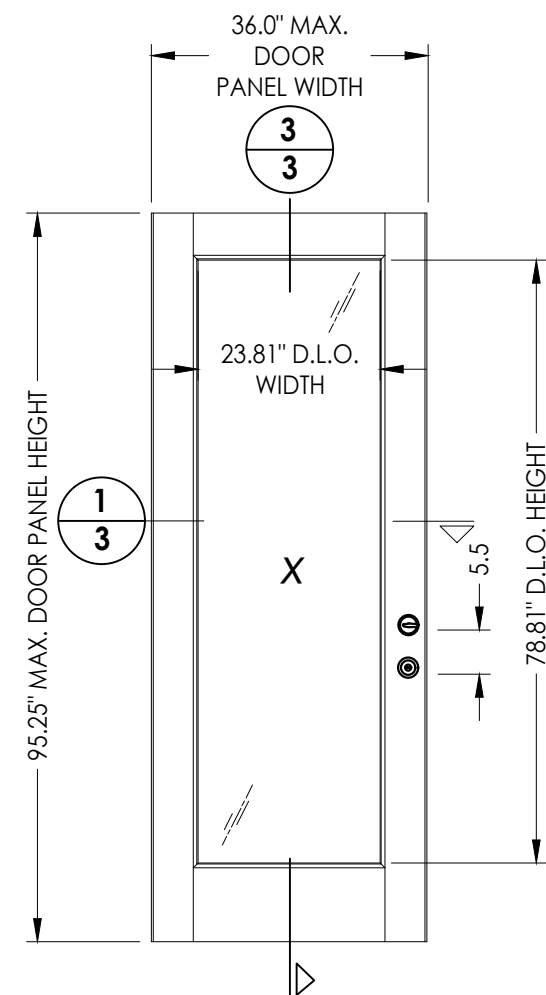
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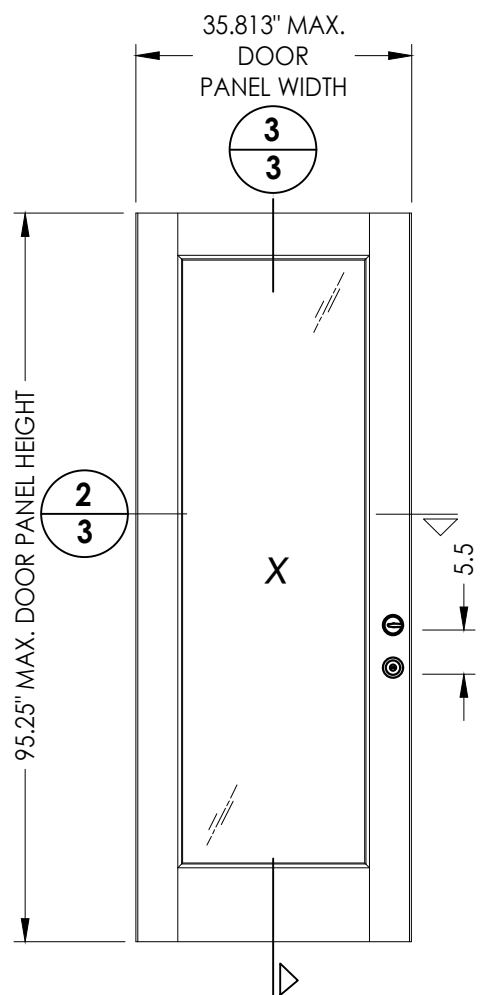
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3 HORIZONTAL CROSS SECTION



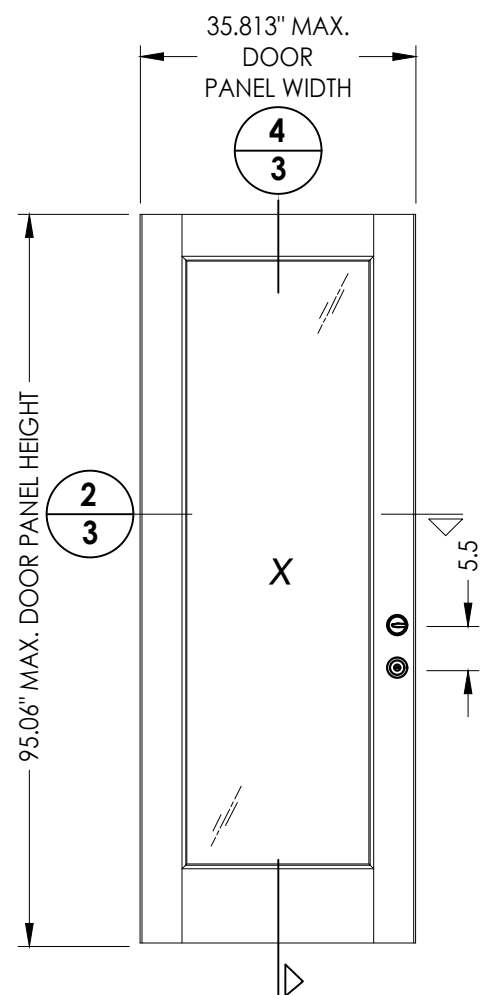
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3 HORIZONTAL CROSS SECTION



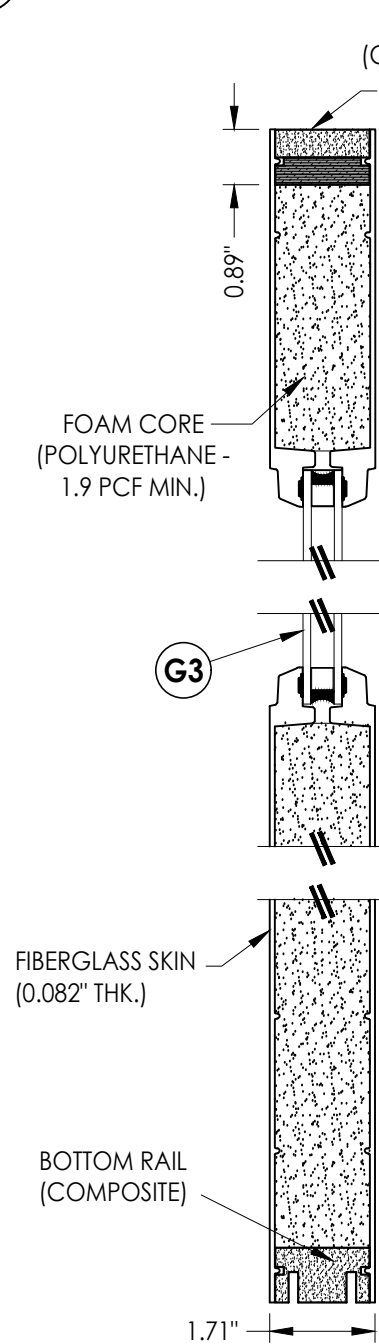
43 DOOR PANEL BOOK



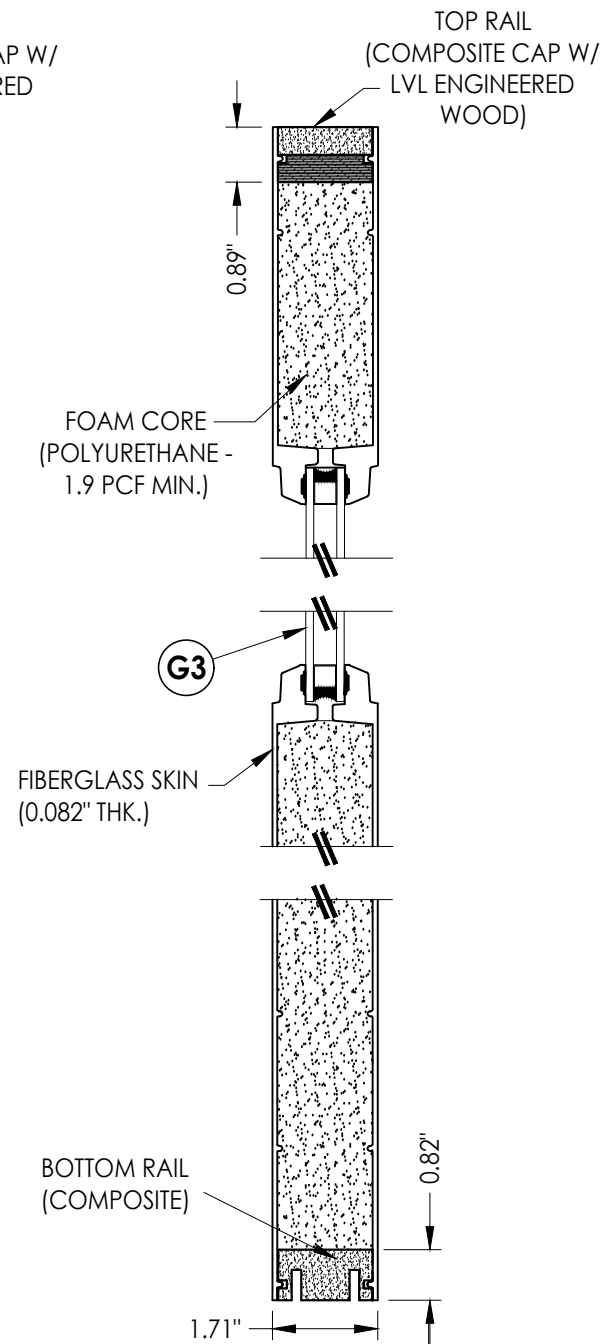
44 DOOR PANEL Hybrid Door



45 DOOR PANEL U1 Door



3
3 VERTICAL CROSS SECTION



4
3 VERTICAL CROSS SECTION

Documents Prepared By:
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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
3	7/2/26	UPDATE TO 9TH ED. (2026) FBC
2	8/21/23	UPDATE TO 8TH ED. (2023) FBC
1	7/16/20	UPDATE TO 7TH ED (2020) FBC

DATE: 03/07/20

SCALE: N.T.S.

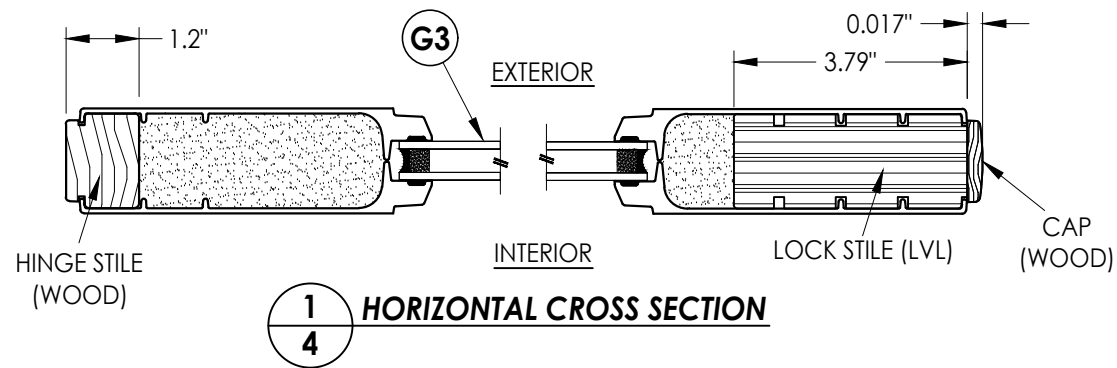
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CHK. BY: LFS

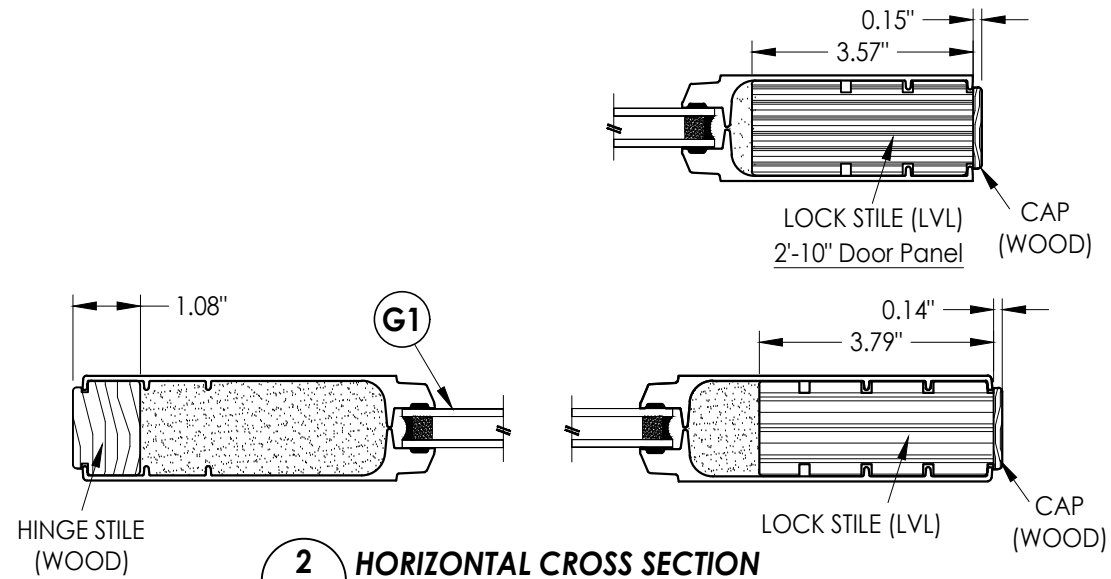
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SHEET 3 OF 14

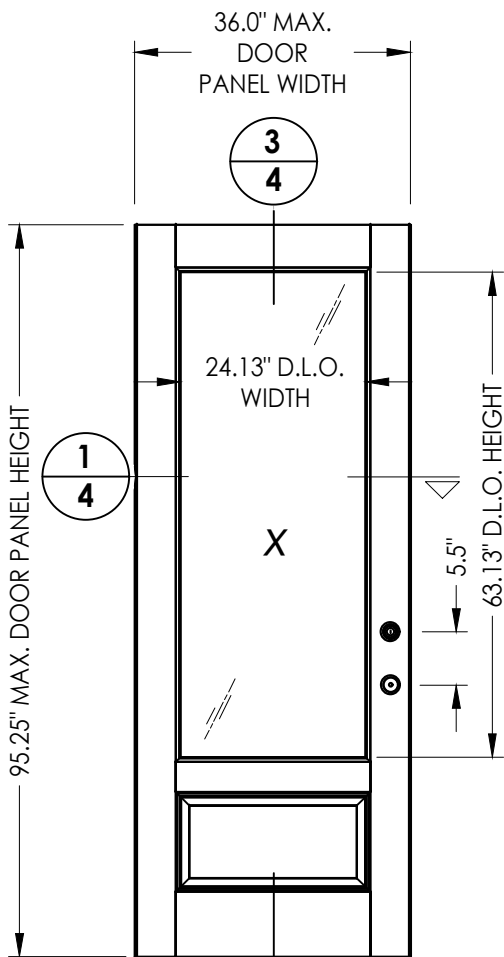
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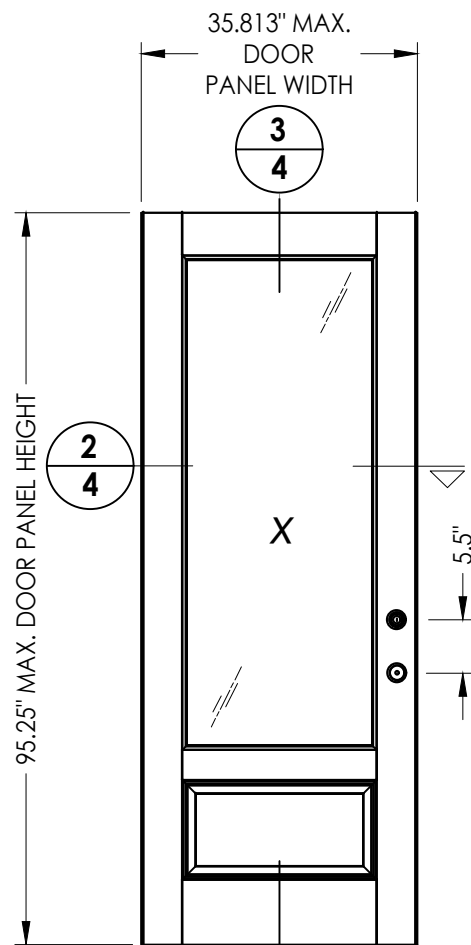
1/4 HORIZONTAL CROSS SECTION



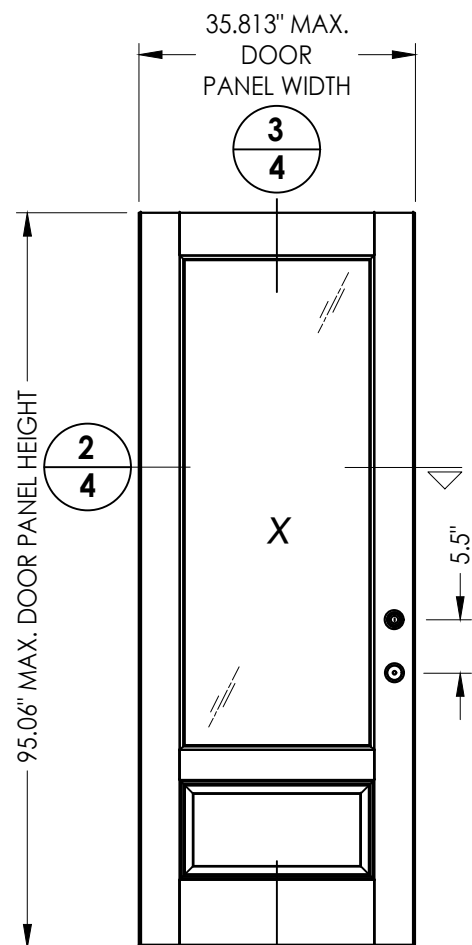
2/4 HORIZONTAL CROSS SECTION



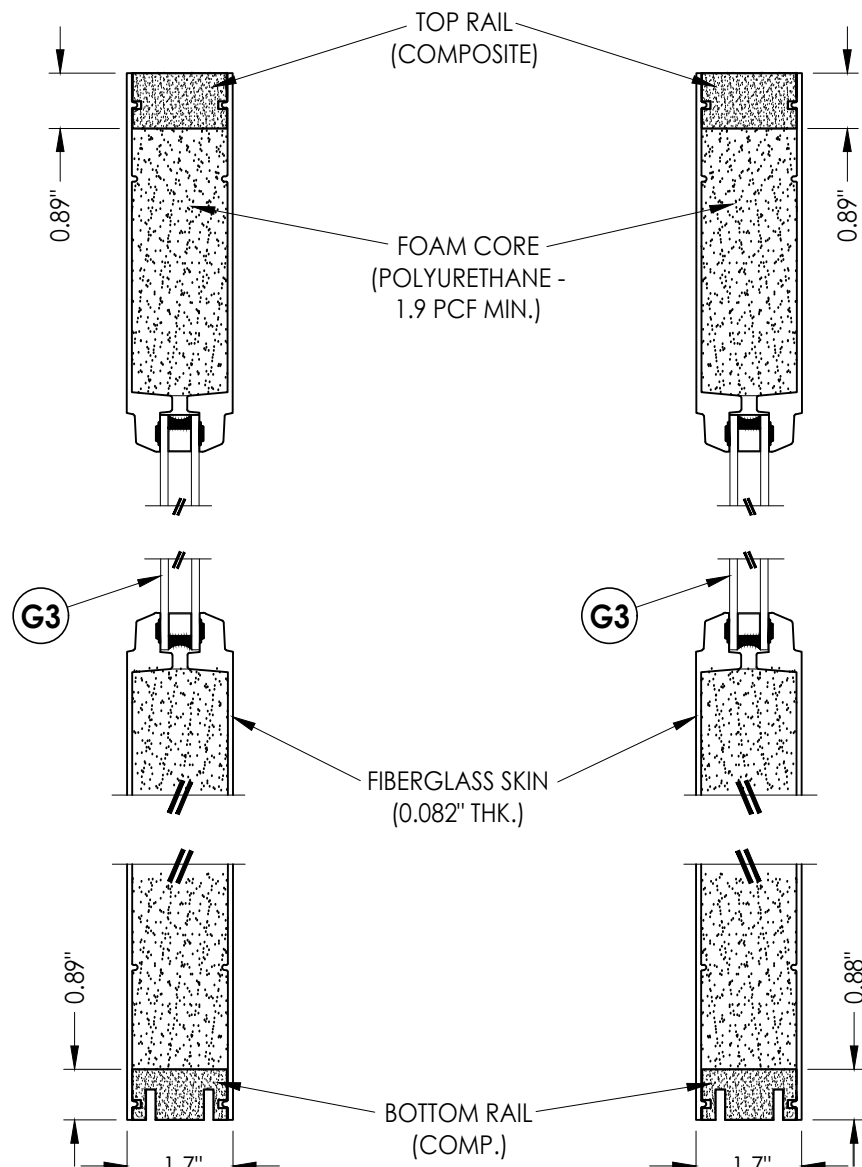
46 DOOR PANEL BOOK



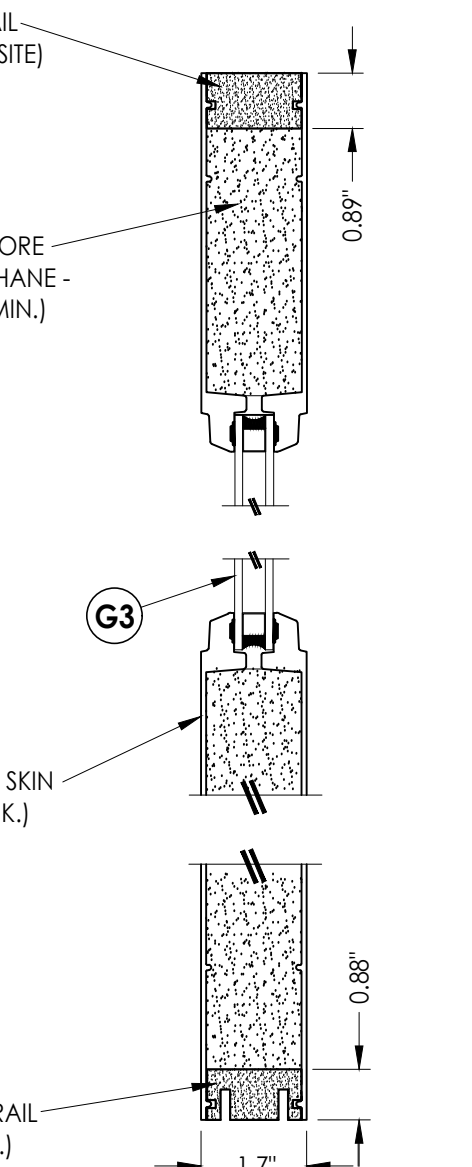
47 DOOR PANEL Hybrid Door



48 DOOR PANEL U1 Door



3/4 VERTICAL CROSS SECTION



4/4 VERTICAL CROSS SECTION

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

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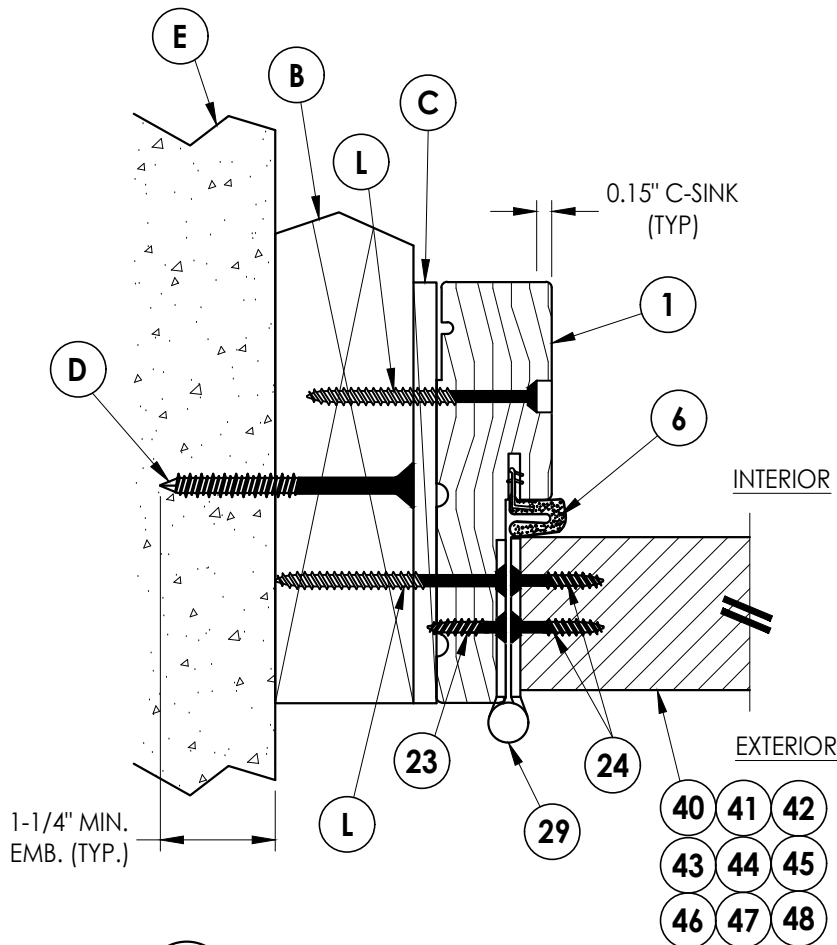
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

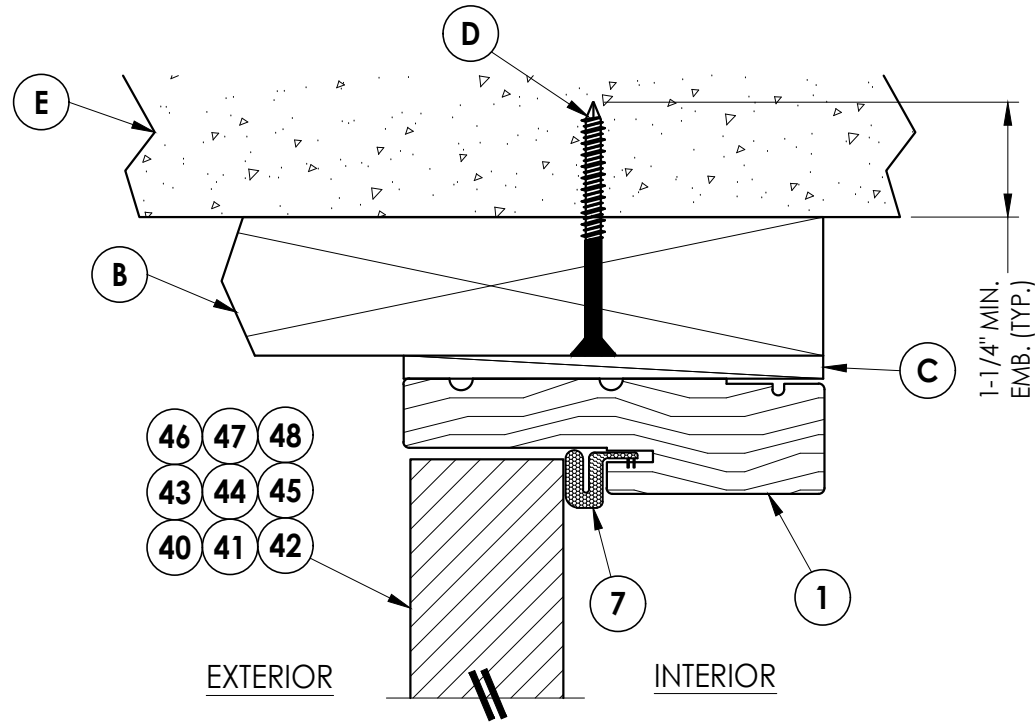
NO.	DATE	REVISIONS
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2	8/21/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/16/20	UPDATE TO 7th ED (2020) FBC PO

DATE: 03/07/20
SCALE: N.T.S.
DWG. BY: TJ
CHK. BY: LFS
DRAWING NO.: FL-21135.16
SHEET 4 OF 14

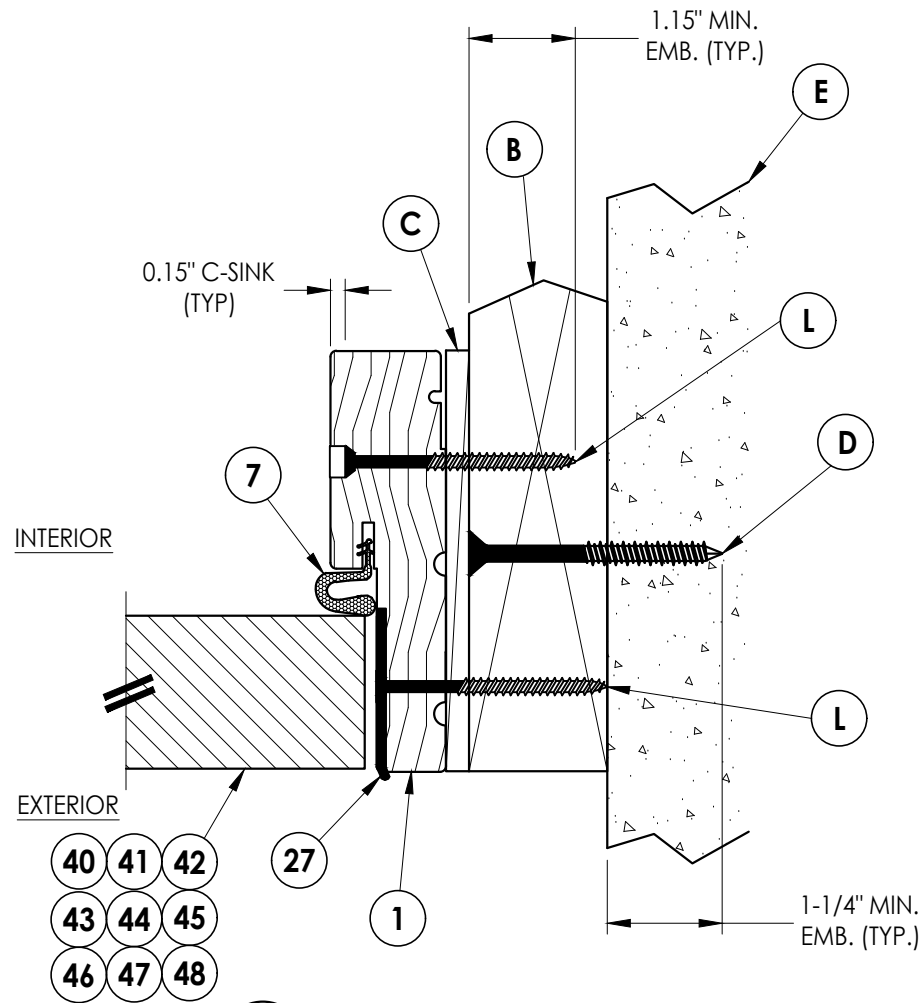
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2 HORIZONTAL CROSS SECTION
Shown w/ 2X Buck
Outswing shown (Inswing similar)



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



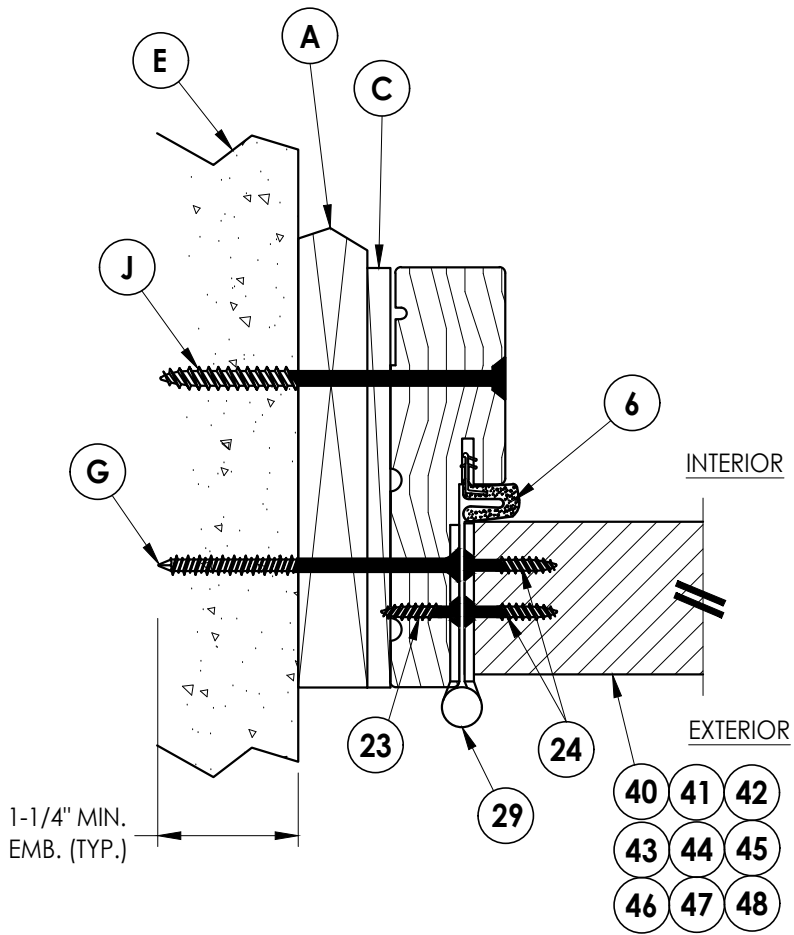
3 HORIZONTAL CROSS SECTION
Shown w/ 2X Buck
Outswing shown (Inswing similar)

PRODUCT:		THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
NO.	DATE	REVISIONS	BY	PO	FBC	LFS	LFS
3	7/2/26	UPDATE TO 9TH ED. (2026)	FBC	LFS			
2	8/21/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
1	7/16/20	UPDATE TO 7th ED (2020)	FBC	PO			
DATE: 03/07/20							
SCALE: N.T.S.							
DWG. BY: TJ							
CHK. BY: LFS							
DRAWING NO.: FL-21135.16							
SHEET 6 OF 14							

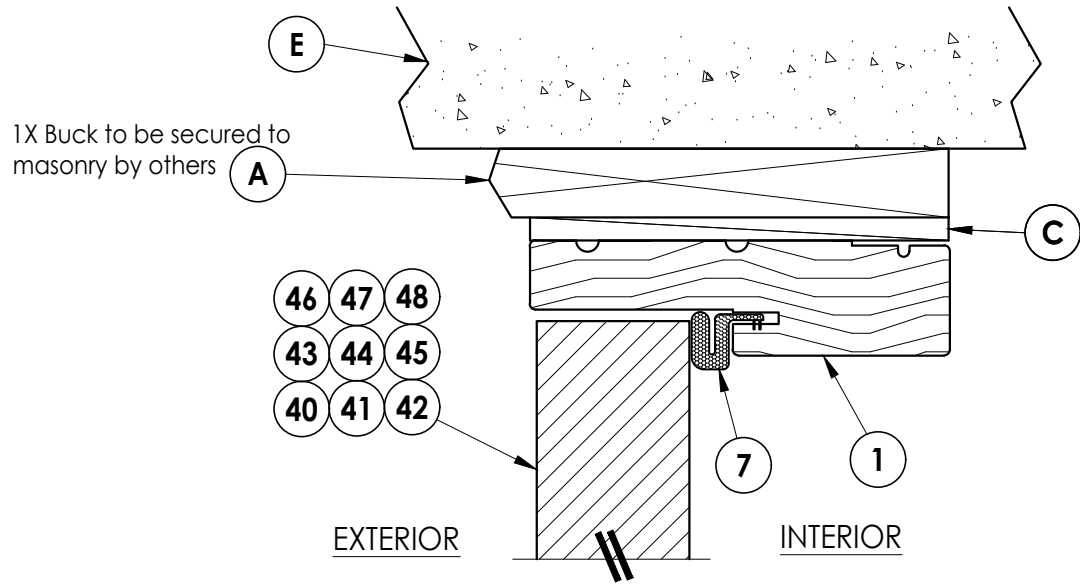
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

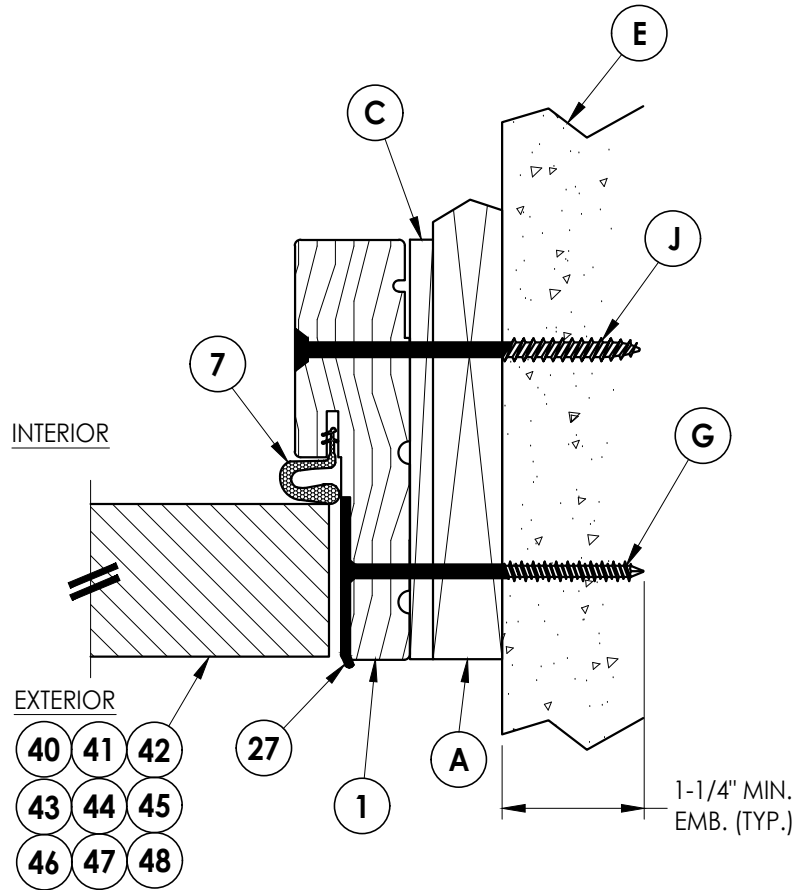
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2 HORIZONTAL CROSS SECTION
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



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

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

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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 (1X BUCK)

NO.	DATE	REVISIONS
3	7/2/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/21/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/16/20	UPDATE TO 7th ED (2020) FBC PO

DATE: 03/07/20

SCALE: N.T.S.

DWG. BY: TJ

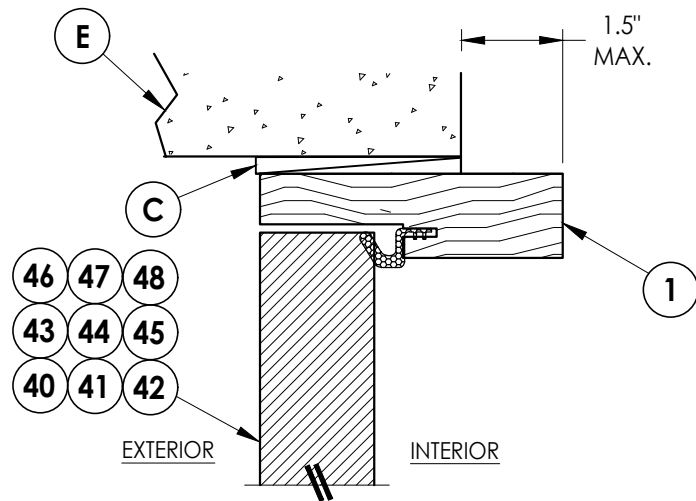
CHK. BY: LFS

DRAWING NO.:

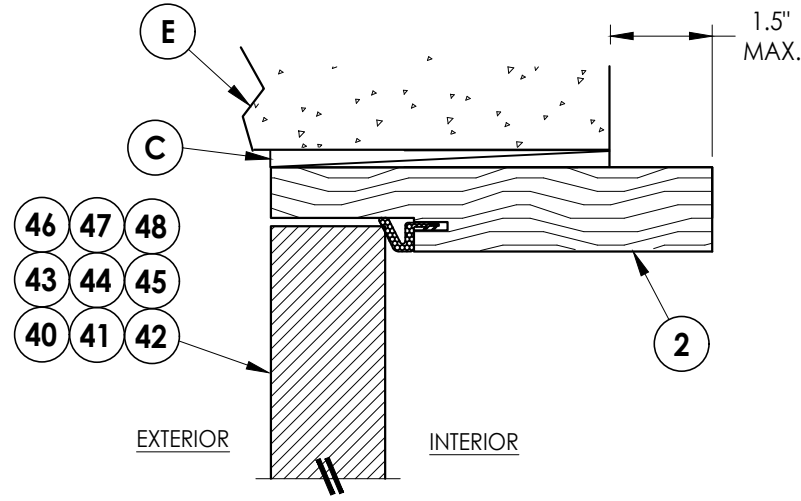
FL-21135.16

SHEET 7 OF 14

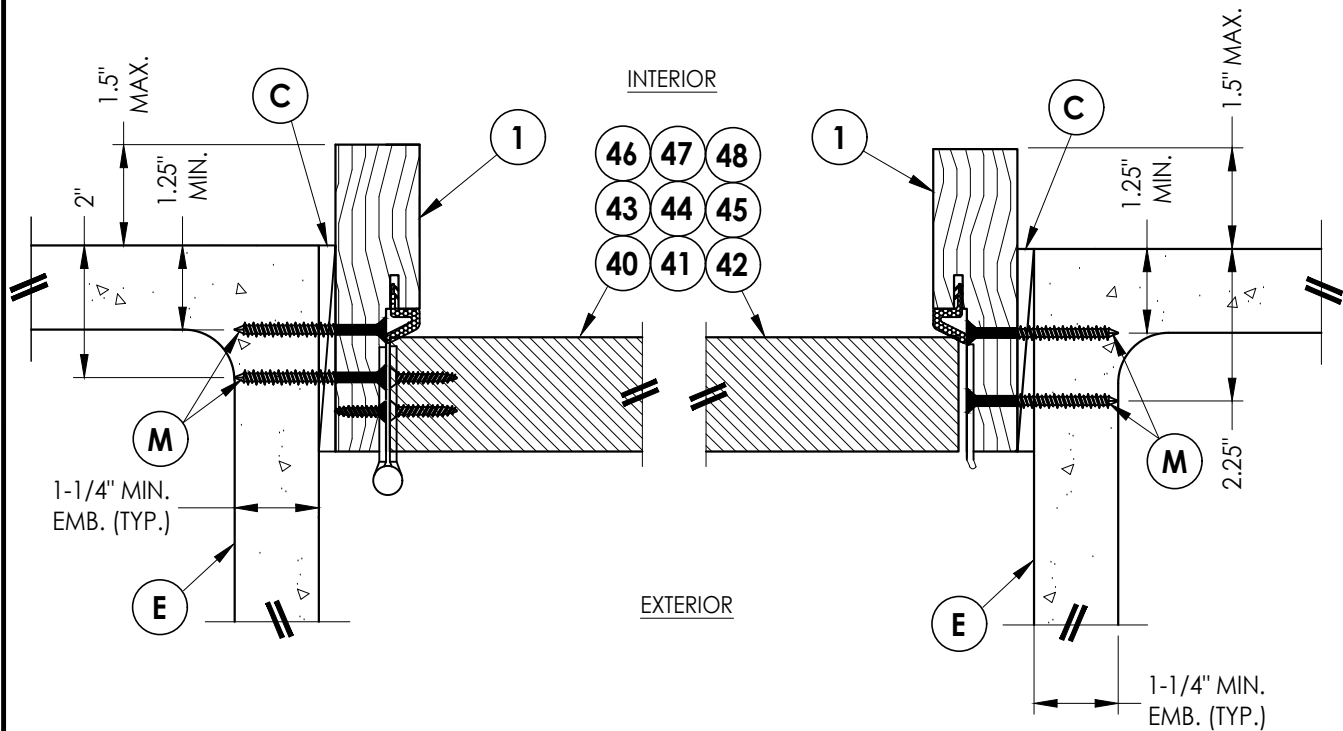
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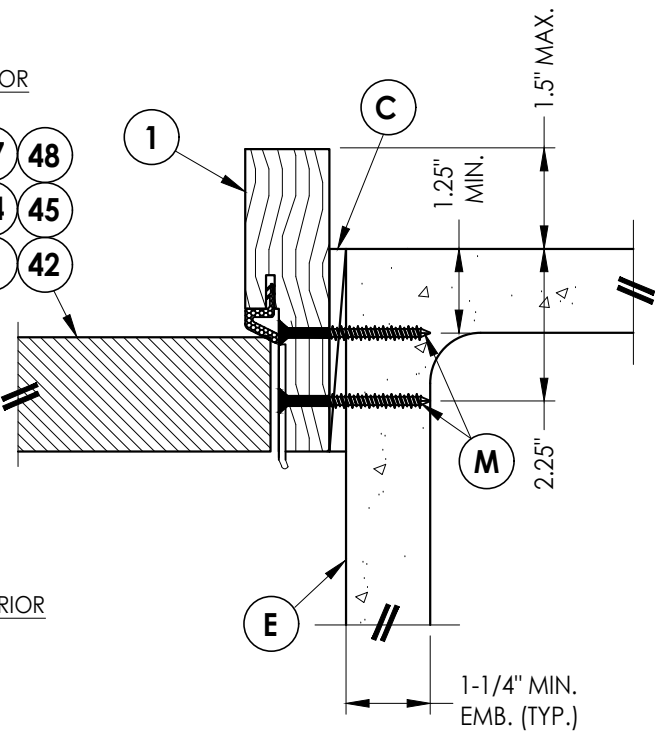
1 **VERTICAL CROSS SECTION**
8 Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



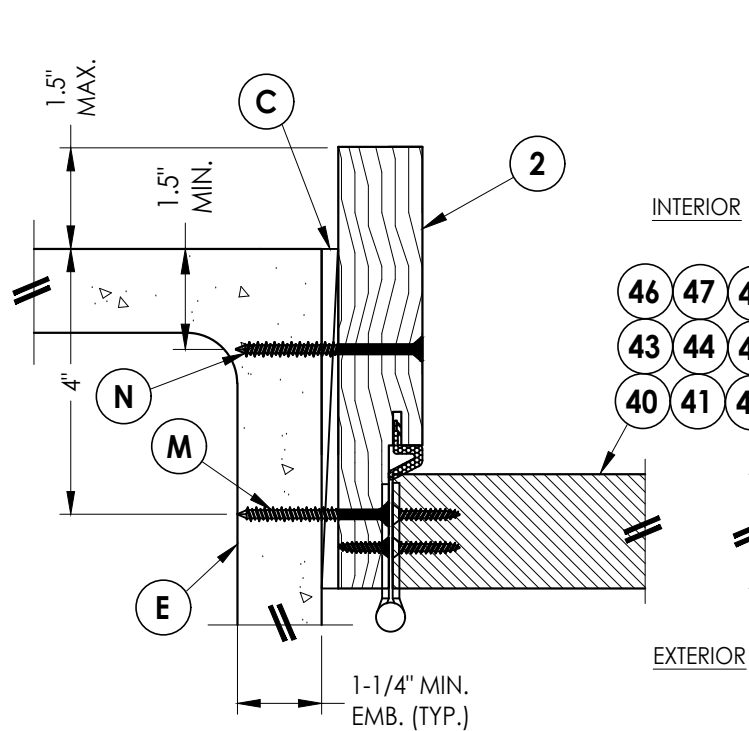
4 **VERTICAL CROSS SECTION**
8 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



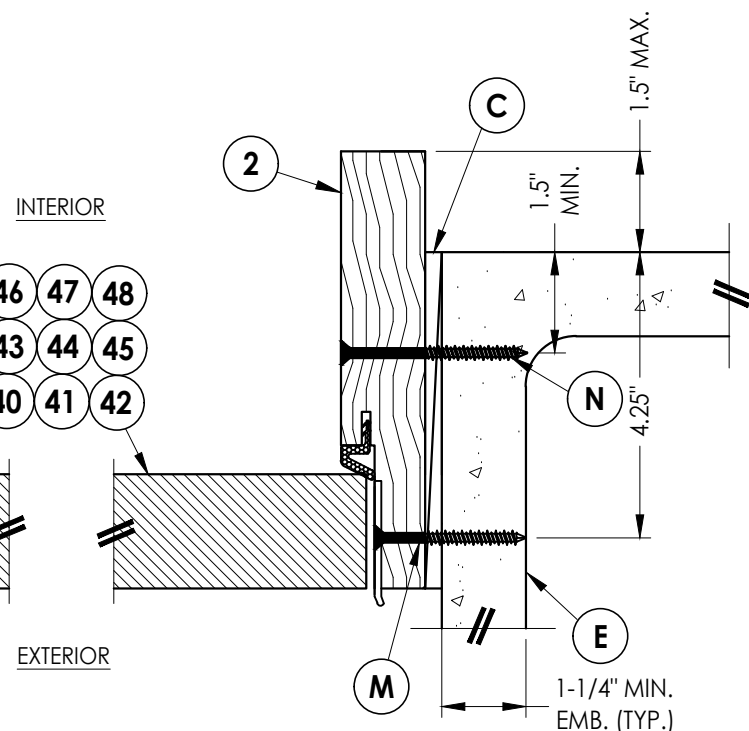
2 **HORIZONTAL CROSS SECTION**
8 Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



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



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



6 **HORIZONTAL CROSS SECTION**
8 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
3	7/2/26	UPDATE TO 9TH ED. (2026) FBC
2	8/21/23	UPDATE TO 8TH ED. (2023) FBC
1	7/16/20	UPDATE TO 7th ED (2020) FBC

DATE: 03/07/20

SCALE: N.T.S.

DWG. BY: TJ

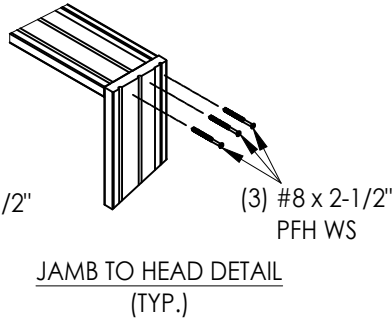
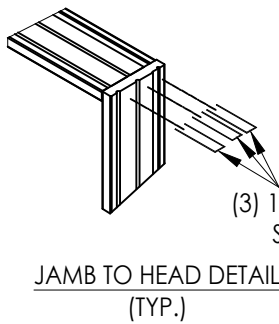
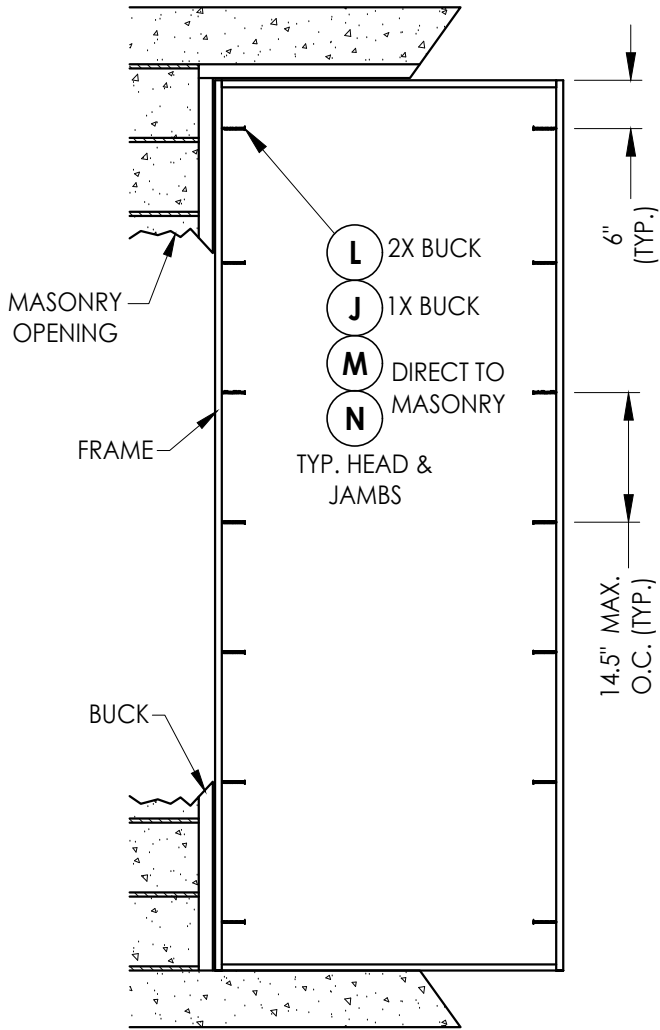
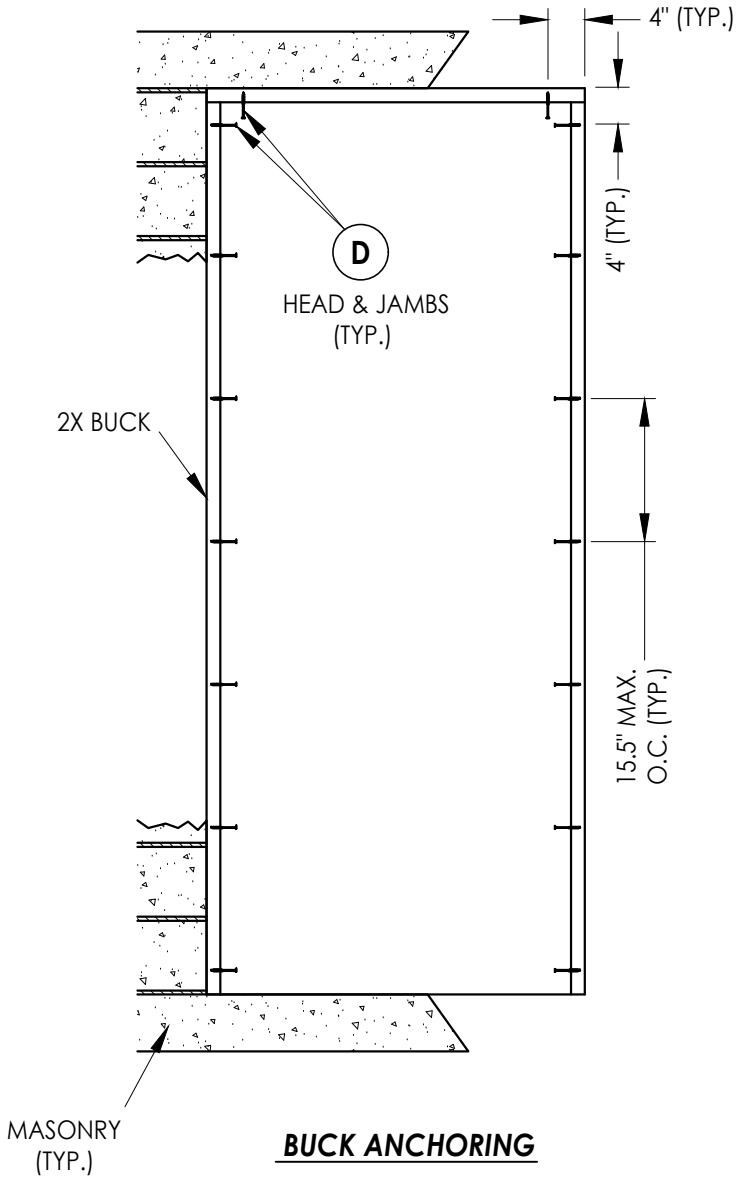
CHK. BY: LFS

DRAWING NO.: FL-21135.16

SHEET 8 OF 14

1. Sill Item #'s 32, 38, 39, 50, 51, 52, 53, 54 & 55 are attached to jambs w/ (3) #8 X 2-1/2" pph screws or (3) 2.5" staples at each end.
2. Sill Item #'s 16, 17, 18 & 19 are attached to jambs w/ (2) #8 X 2-1/2" pph screws at each end.
3. Sill Item #15 is attached to jambs utilizing (2) #10 X 2" pph SMS screws at each end.

[illegible]



DATE: 03/07/20

SCALE: N.T.S.

DWG. BY: TJ

CHK. BY: LFS

DRAWING NO.: FL-21135.16

SHEET 10 OF 14

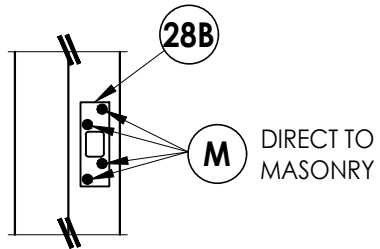
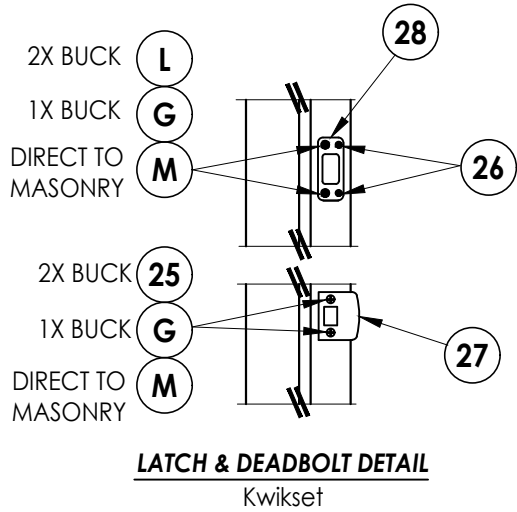
NO.	DATE	REVISIONS
3	7/2/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/21/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/16/20	UPDATE TO 7th ED (2020) FBC PO
		BY

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

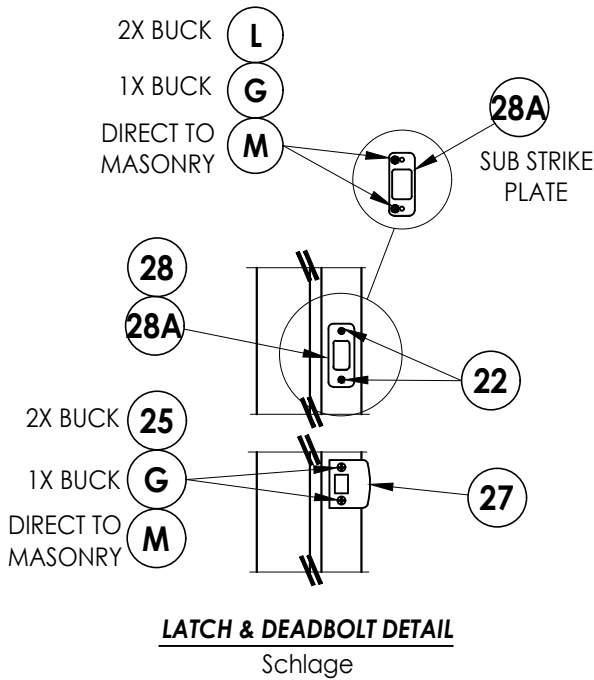
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

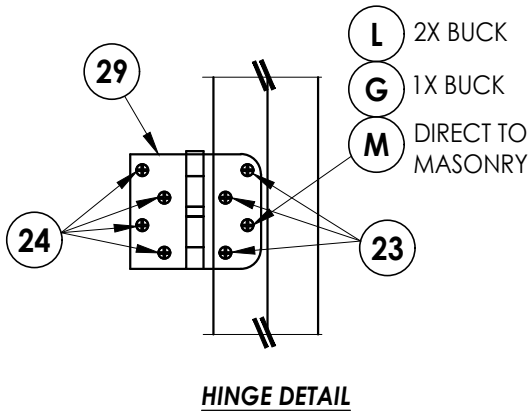
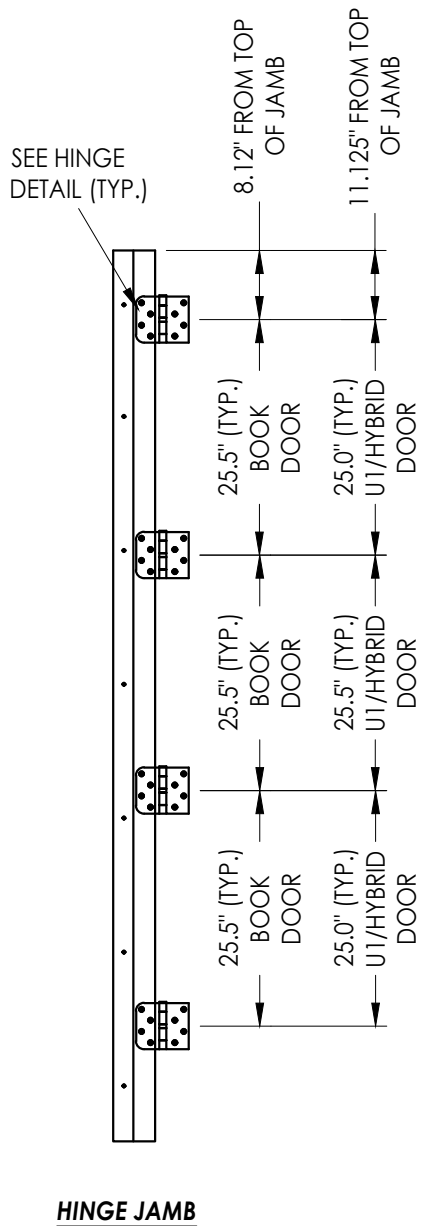
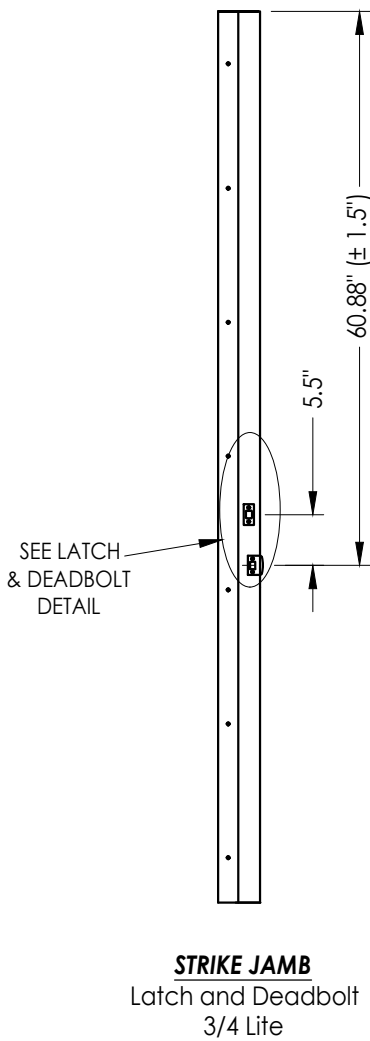
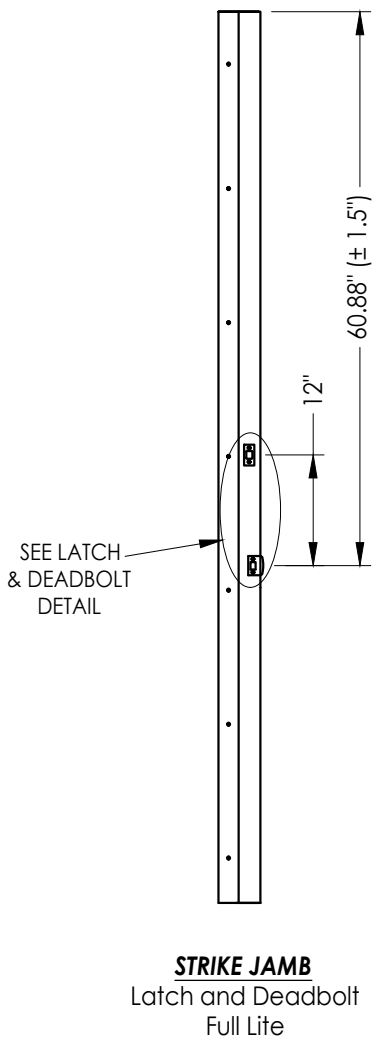
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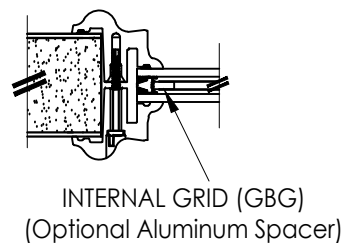
DEADBOLT STRIKE DETAILS
(Security Deadbolt Strike Plate)



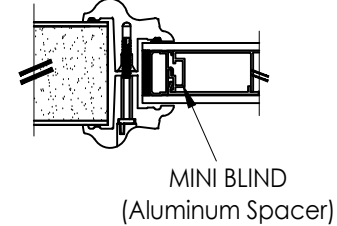
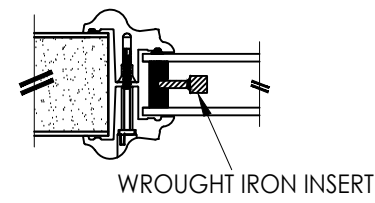
LATCH & DEADBOLT STRIKE DETAILS



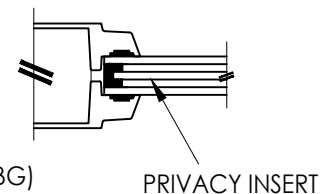
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: HARDWARE DETAILS	
		LFS	
		FBC	
3	7/2/26	UPDATE TO 9TH ED. (2026)	
2	8/21/23	UPDATE TO 8TH ED. (2023)	
1	7/16/20	UPDATE TO 7th ED (2020)	
NO.	DATE		
REVISIONS			
DATE: 03/07/20			
SCALE: N.T.S.			
DWG. BY: TJ			
CHK. BY: LFS			
DRAWING NO.: FL-21135.16			
SHEET 11 OF 14			



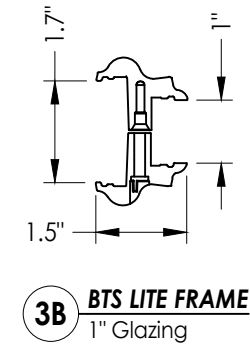
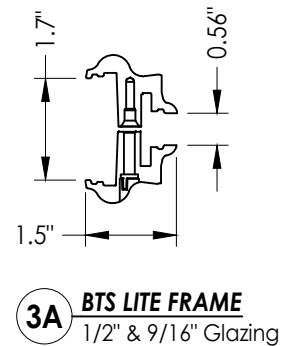
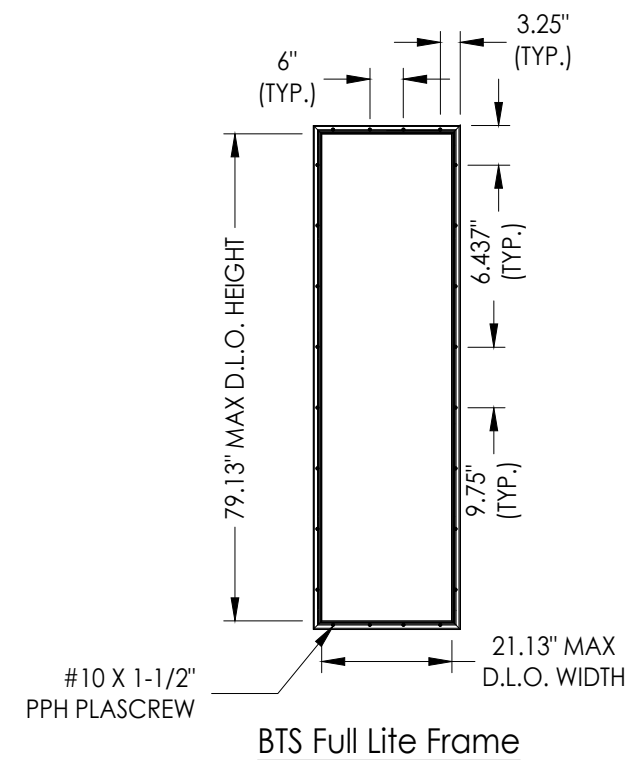
9/16" INSULATED GLASS INSERT OPTIONS



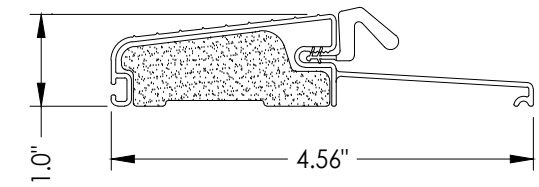
1" INSULATED GLASS INSERT OPTIONS



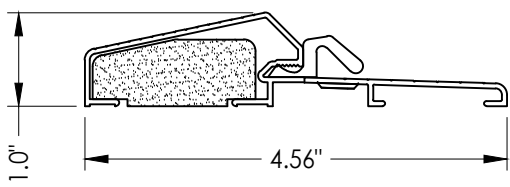
5/8" INSULATED GLASS INSERT OPTIONS

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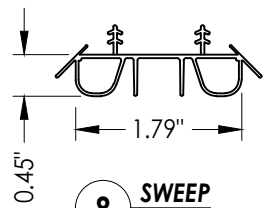
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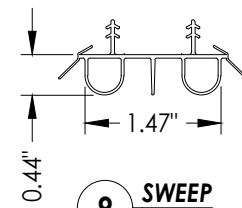
16 OUTSWING THRESHOLD
Composite Sill



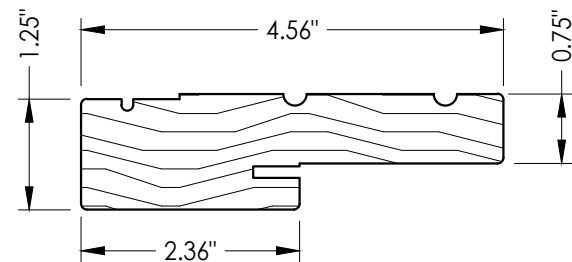
17 OUTSWING THRESHOLD
Composite / Aluminum Sill



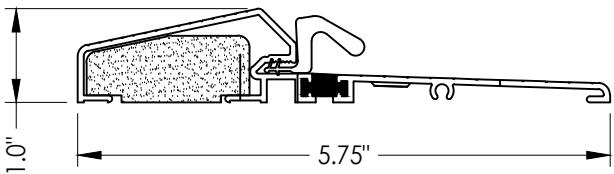
8 SWEEP



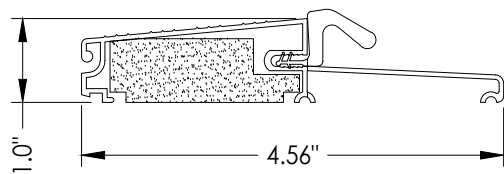
9 SWEEP



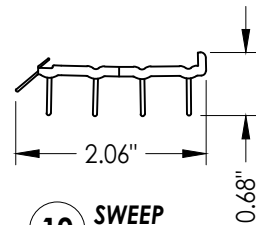
1 WOOD JAMB



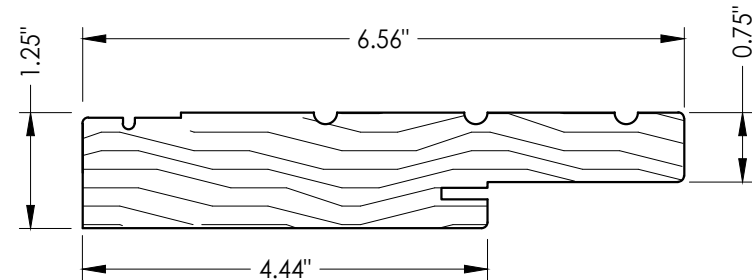
18 OUTSWING THRESHOLD
Composite / Aluminum Sill
(Thermal Break)



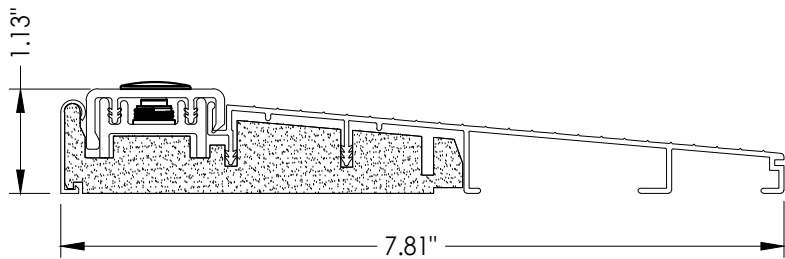
19 OUTSWING THRESHOLD
Composite Sill



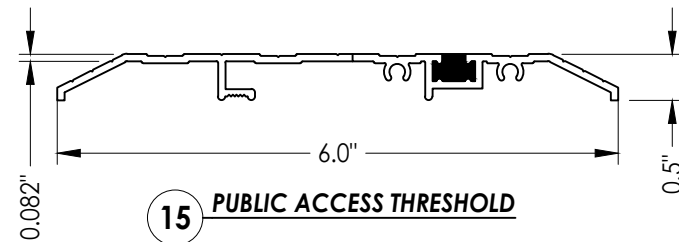
10 SWEEP



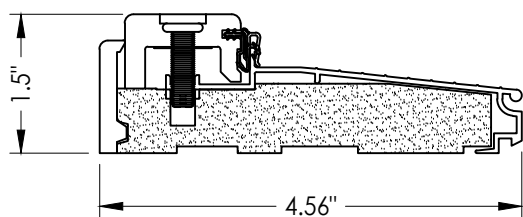
2 WOOD JAMB



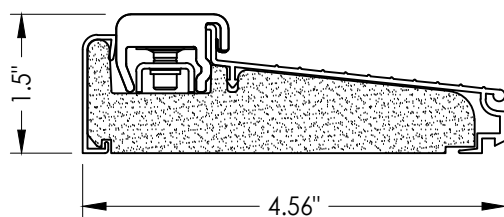
32 INSWING THRESHOLD
Inswing Composite Adjustable 7-3/4" Sill



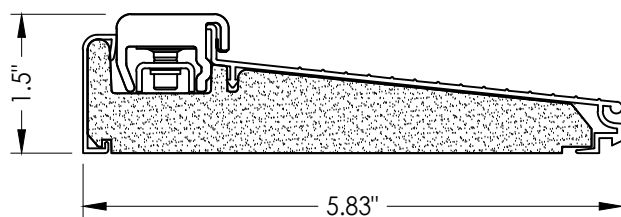
15 PUBLIC ACCESS THRESHOLD



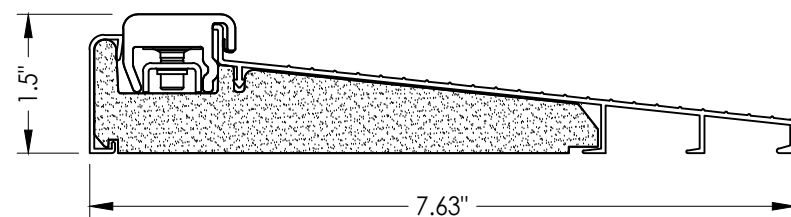
38 INSWING THRESHOLD
Inswing Composite Adjustable Sill



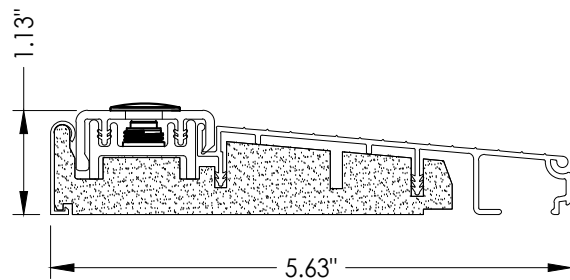
50 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



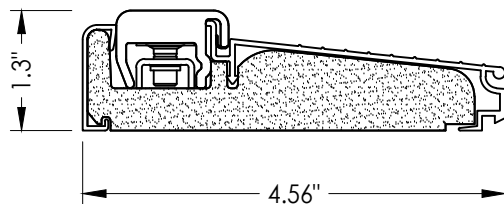
51 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



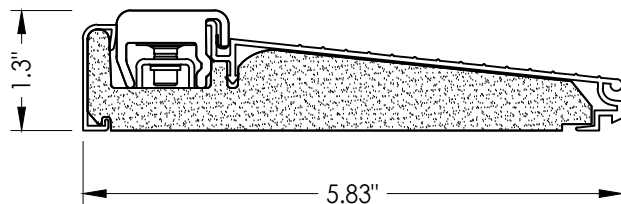
52 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



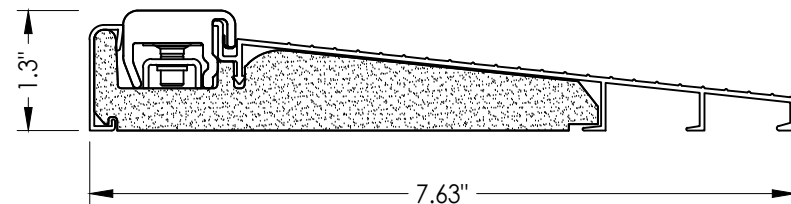
39 INSWING THRESHOLD
Inswing Composite Adjustable Sill



53 INSWING THRESHOLD
Inswing Composite Adjustable Sill
U1



54 INSWING THRESHOLD
Inswing Composite Adjustable Sill
U1



55 INSWING THRESHOLD
Inswing Composite Adjustable Sill
U1

Documents Prepared By:
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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
3	7/2/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/21/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/16/20	UPDATE TO 7th ED (2020) FBC PO

DATE: 03/07/20

SCALE: N.T.S.

DWG. BY: TJ

CHK. BY: LFS

DRAWING NO.: FL-21135.16

SHEET 13 OF 14

BILL OF MATERIALS			BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL	ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD	25	#8 x 2-1/2" PFH WOOD SCREW	STEEL
B	2X BUCK (SG >= 0.42)	WOOD	26	#8 x 5/8" PFH WOOD SCREW	STEEL
C	1/4" MAX. SHIM SPACE	-	27	LATCH STRIKE PLATE	STEEL
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	28	DEADBOLT STRIKE PLATE (STANDARD)	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	28A	DEADBOLT SUB STRIKE PLATE	STEEL
			29	4" X 4" HINGE	STEEL
G	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL	32	INSWING THRESHOLD	ALUM/COMP
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	38	INSWING THRESHOLD	ALUM/COMP
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL	39	INSWING THRESHOLD	ALUM/COMP
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL	40	DOOR PANEL (BOOK)	-
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL	41	DOOR PANEL (HYBRID)	-
1	JAMB (FINGER JOINT PINE)	WOOD	42	DOOR PANEL (U1)	-
2	JAMB (FINGER JOINT PINE)	WOOD	43	FLUSH GLAZED DOOR PANEL (BOOK)	-
6	WEATHERSTRIP (MEDIUM REACH)	FOAM	44	FLUSH GLAZED DOOR PANEL (HYBRID)	-
7	WEATHERSTRIP (LONG REACH)	FOAM	45	FLUSH GLAZED DOOR PANEL (U1)	-
8	SWEEP	VINYL	46	3/4" FLUSH GLAZED DOOR PANEL (BOOK)	-
9	SWEEP	VINYL	47	3/4" FLUSH GLAZED DOOR PANEL (HYBRID)	-
10	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL	48	3/4" FLUSH GLAZED DOOR PANEL (U1)	-
15	PUBLIC ACCESS THRESHOLD	ALUM	50	INSWING THRESHOLD	ALUM/COMP
16	OUTSWING THRESHOLD	ALUM/COMP	51	INSWING THRESHOLD	ALUM/COMP
17	OUTSWING THRESHOLD	ALUM/COMP	52	INSWING THRESHOLD	ALUM/COMP
18	OUTSWING THRESHOLD	ALUM/COMP	53	INSWING THRESHOLD	ALUM/COMP
19	OUTSWING THRESHOLD	ALUM/COMP	54	INSWING THRESHOLD	ALUM/COMP
22	#8 x 3/4" PFH WOOD SCREW	STEEL	55	INSWING THRESHOLD	ALUM/COMP
23	#10 x 3/4" PFH WOOD SCREW	STEEL			
24	#10 x 1" PFH WOOD SCREW	STEEL			

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.

CORROSION RESISTANCE - SALTWATER ENVIRONMENTS
Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

[illegible]