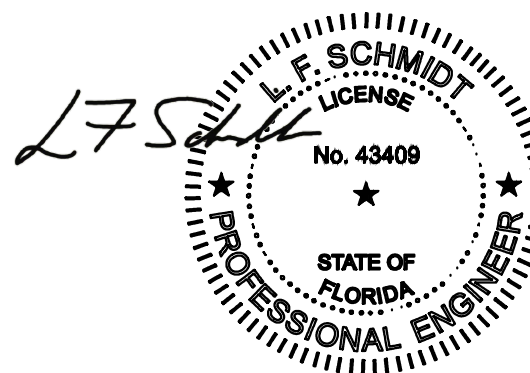


**WOOD EDGE
GLAZED STEEL SINGLE DOOR
INSWING/OUTSWING
"NON-IMPACT"**

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.

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

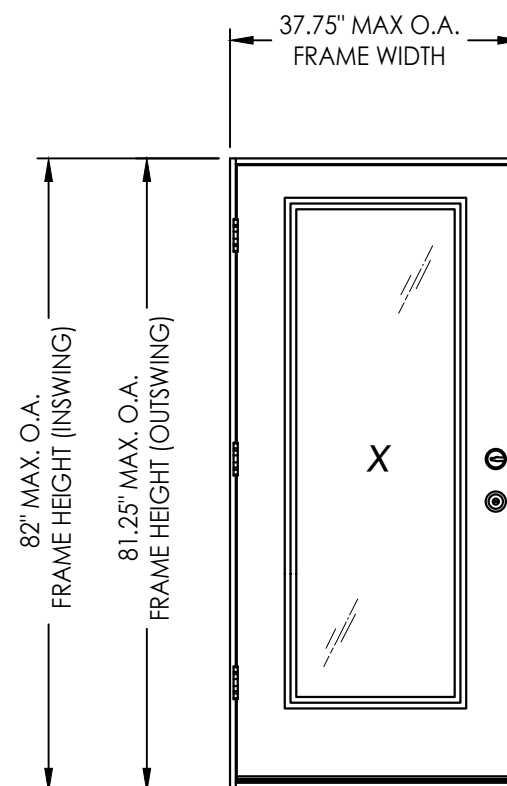


Digitally signed by Lyndon F
Schmidt
Date: 2026.08.06 08:32:56
-04'00'

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.

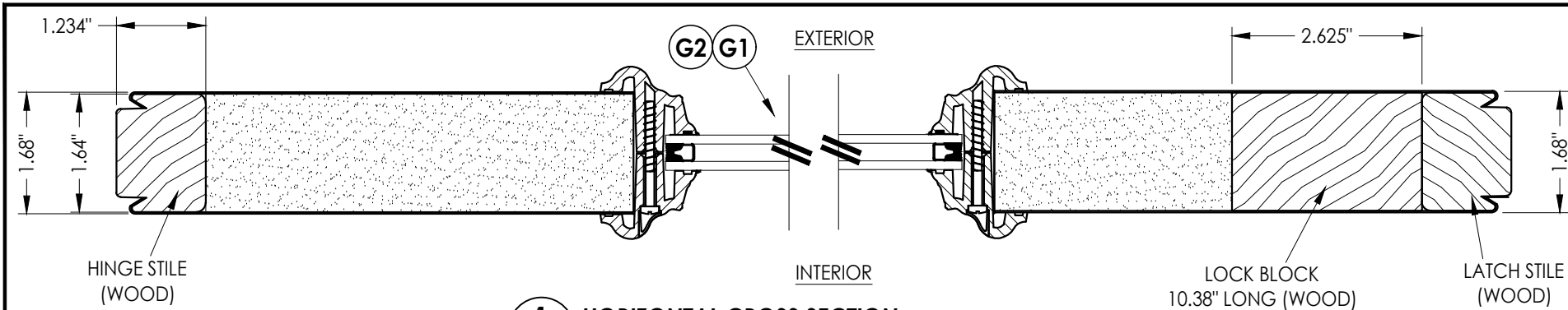
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



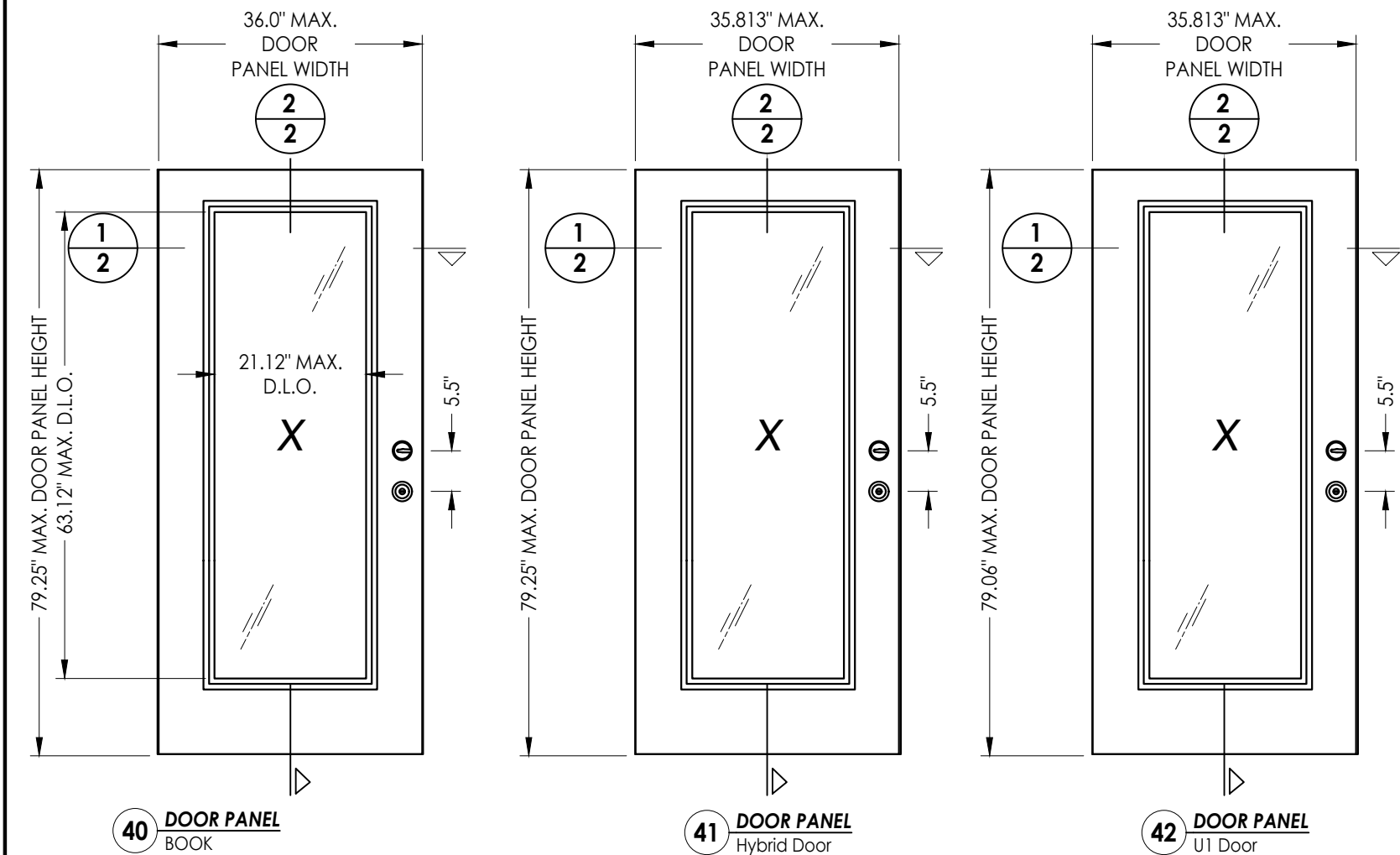
CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	+45.0	-50.0	+45.0	-45.0

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 STEEL DOOR		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
3	7/03/26	UPDATE TO 9TH ED. (2026)	FBC LFS
2	8/07/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	7/14/20	UPDATE TO 7TH ED (2020)	FBC LFS
NO.	DATE	REVISIONS	
DATE: 10/11/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21131.7			
SHEET 1 OF 12			

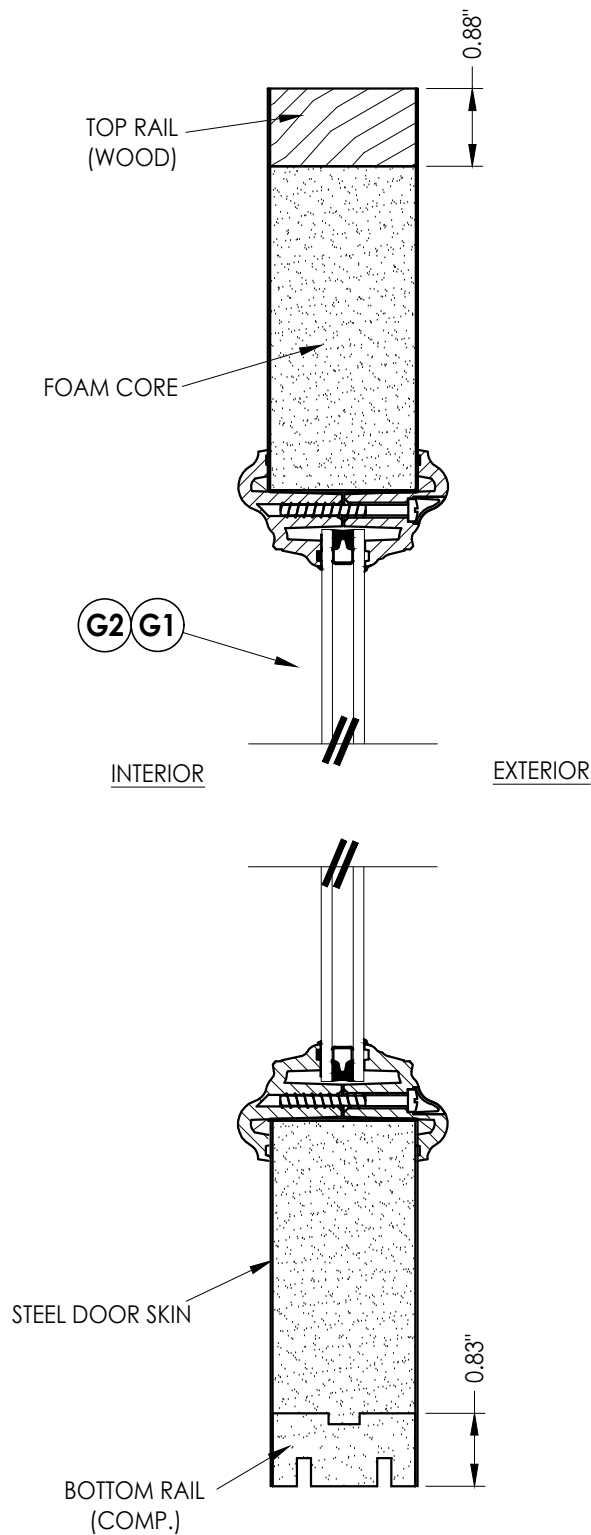
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1
2 **HORIZONTAL CROSS SECTION**



"PROFILES" SERIES DOOR PANEL
STEEL DOOR SKIN: 24 GA. (0.022" MIN. THICKNESS, F_y = 48,470 PSI MIN.)
FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)



2
2 **VERTICAL CROSS SECTION**

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P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: THERMA-TRU STEEL DOOR

PART OR ASSEMBLY: "PROFILES" DOOR PANEL DETAILS

NO.	DATE	REVISIONS		
		BY	DATE	DESCRIPTION
3	7/03/26	LFS	(2026)	UPDATE TO 9TH ED.
2	8/07/23	LFS	(2023)	UPDATE TO 8TH ED.
1	7/14/20	LFS	(2020)	UPDATE TO 7TH ED.

DATE: 10/12/17

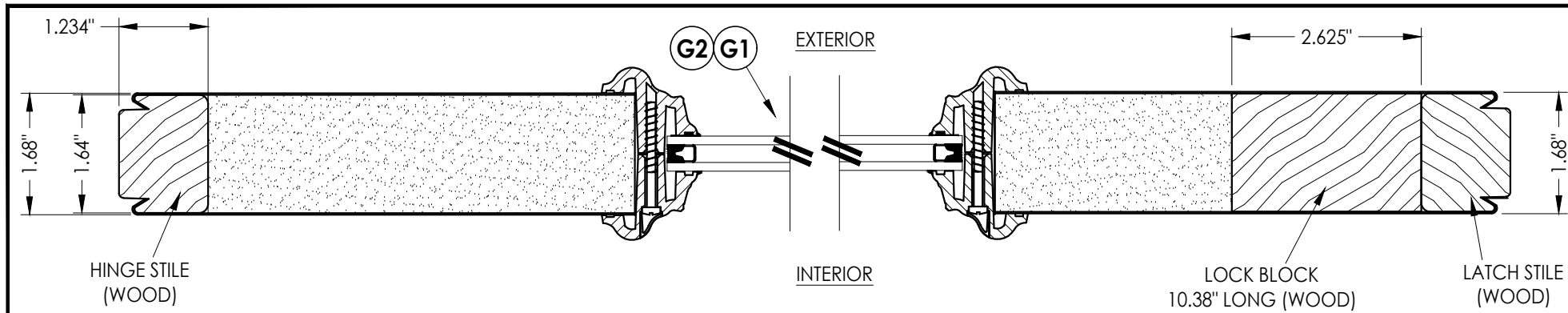
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DWG. BY: JK

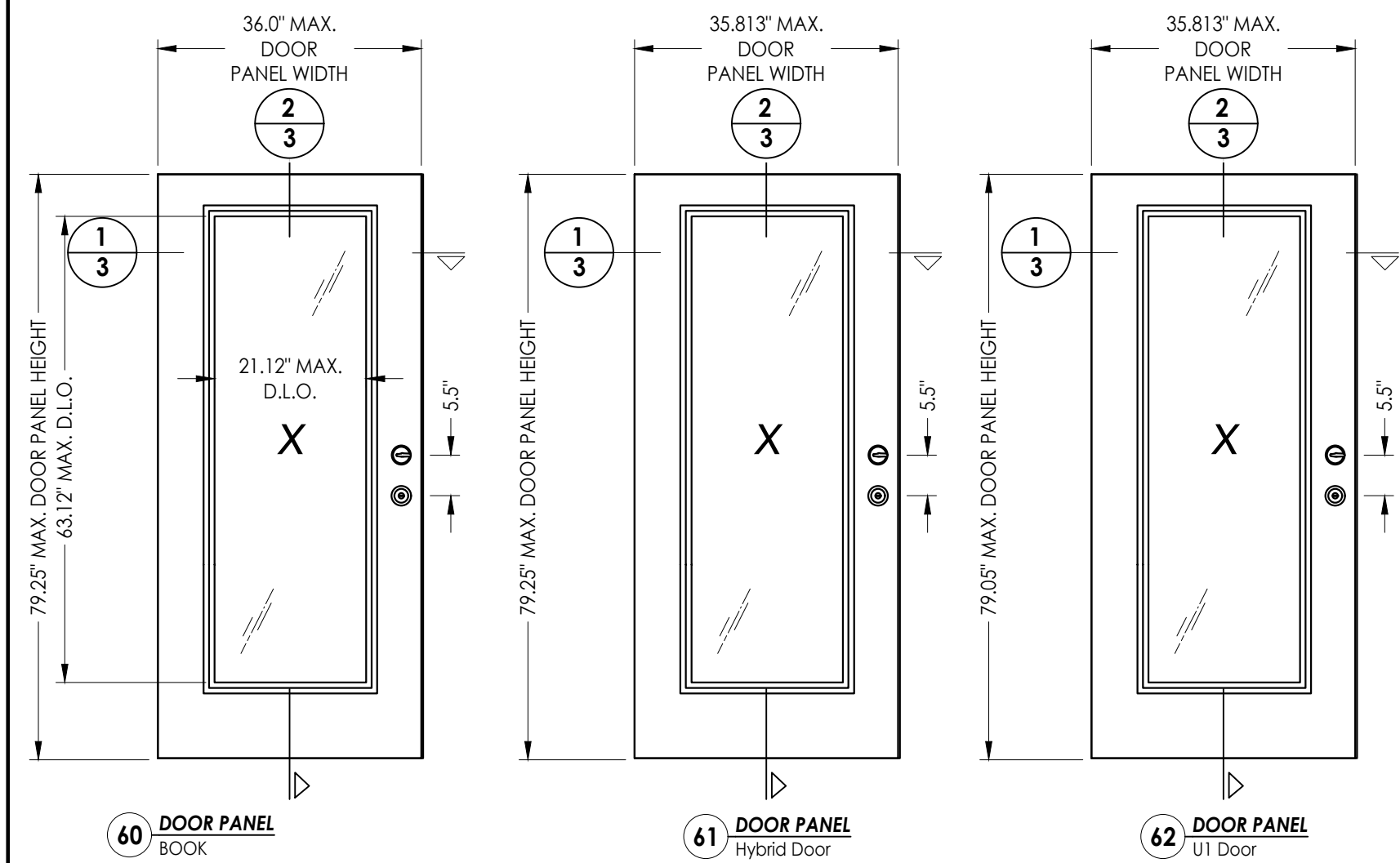
CHK. BY: LFS

DRAWING NO.: FL-21131.7

SHEET 2 OF 12



1
3 **HORIZONTAL CROSS SECTION**



Technical drawings of the door assembly showing the top and bottom rail details.

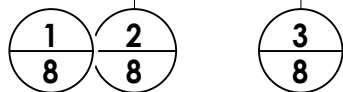
The top drawing shows the top rail assembly. The top rail is labeled "TOP RAIL (WOOD)" and has a thickness of 0.88". The assembly includes a "FOAM CORE" and a "G2 G1" fastener. The drawing is labeled "INTERIOR" on the left and "EXTERIOR" on the right.

The bottom drawing shows the bottom rail assembly. The bottom rail is labeled "BOTTOM RAIL (COMP.)" and has a thickness of 0.83". The assembly includes a "STEEL DOOR SKIN". The drawing is labeled "INTERIOR" on the left and "EXTERIOR" on the right.

2 VERTICAL CROSS SECTION

"TRADITIONS" SERIES DOOR PANEL
STEEL DOOR SKIN: 25 GA. (0.018" MIN. THICKNESS, $F_y = 27,830$ PSI MIN.)
FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)

[illegible]

- SEE HARDWARE
CHART

PROFILES/TRADITIONS Steel Door Panel Options

DATE: 10/11/17

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-21131.7

SHEET 4 OF 12

PRODUCT:

**THERMA-TRU
STEEL DOOR**

PART OR ASSEMBLY:

ELEVATIONS

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Lyndon F. Schmidt
P.E. No. 43409

RAI-BUILDING CONSULTANTS, INC.

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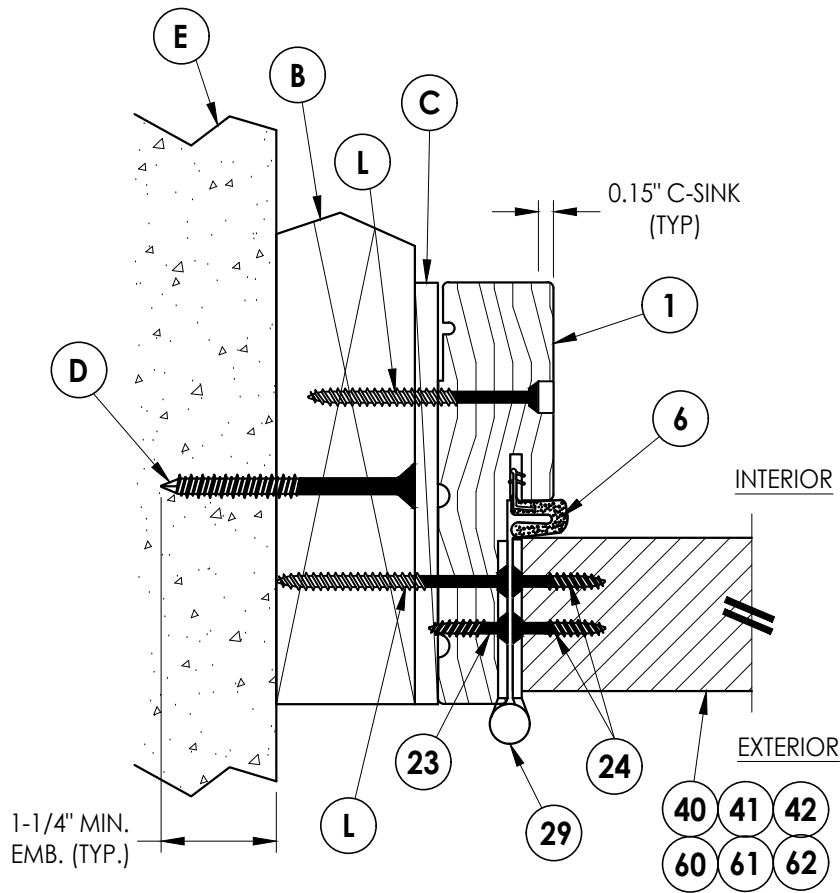
Phone No.: 813.659.9197

FBPE Registry No. 9813

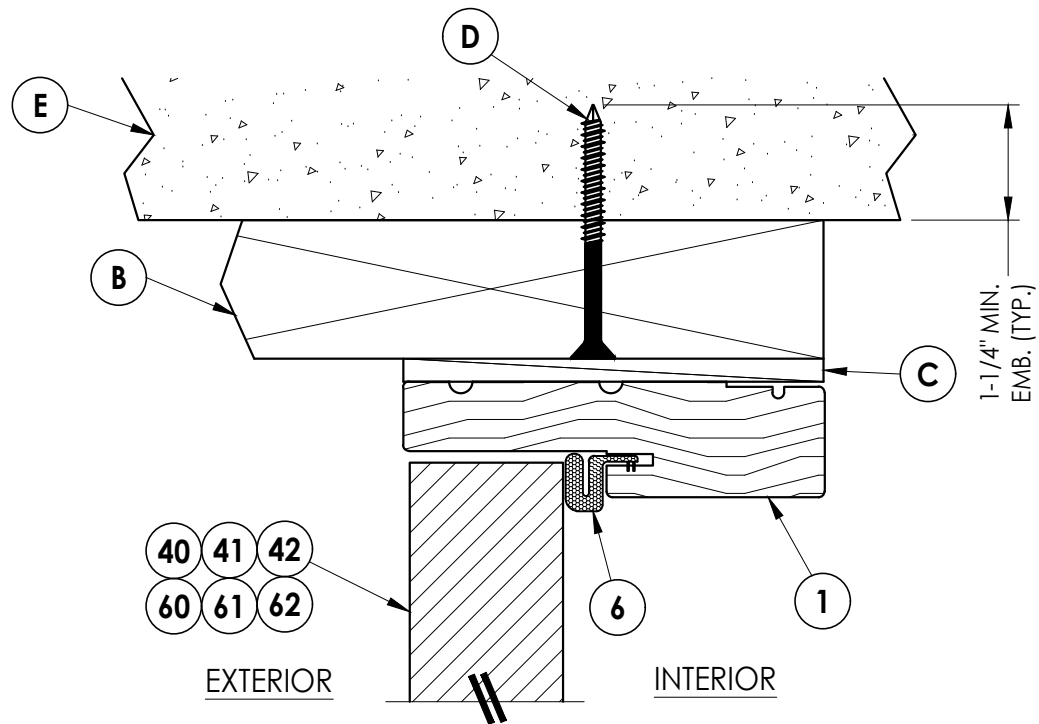
REVISIONS

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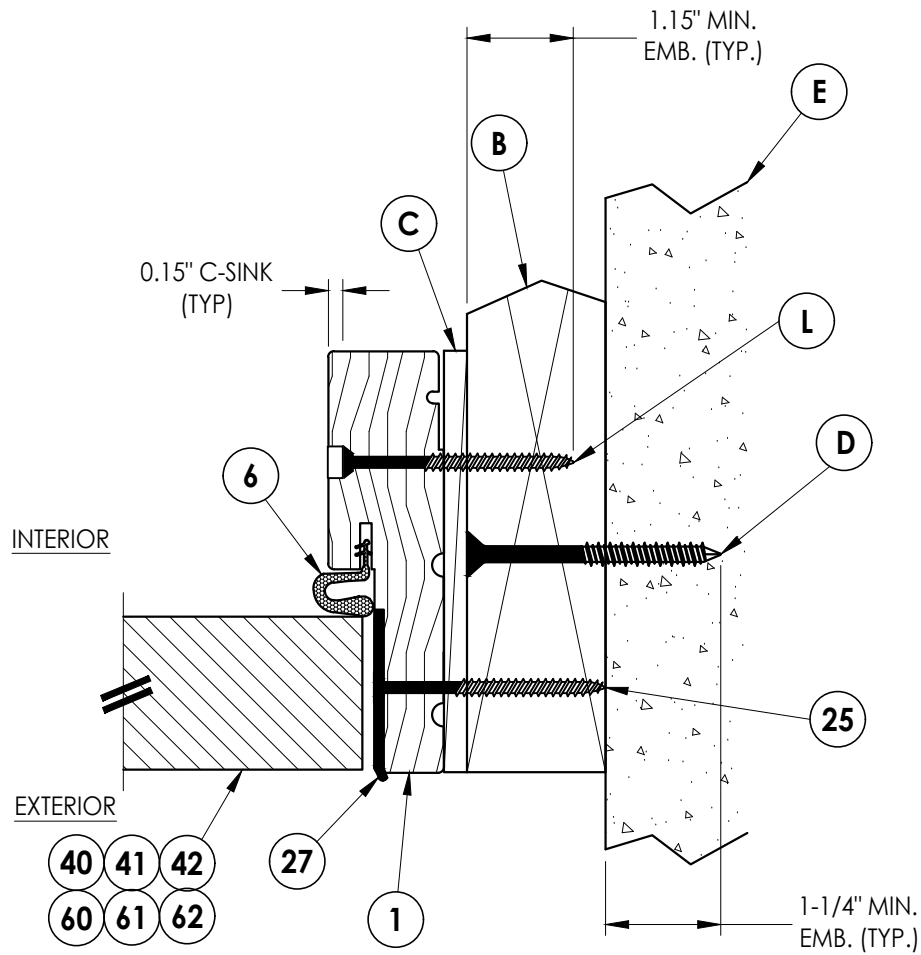
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2 HORIZONTAL CROSS SECTION
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)



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



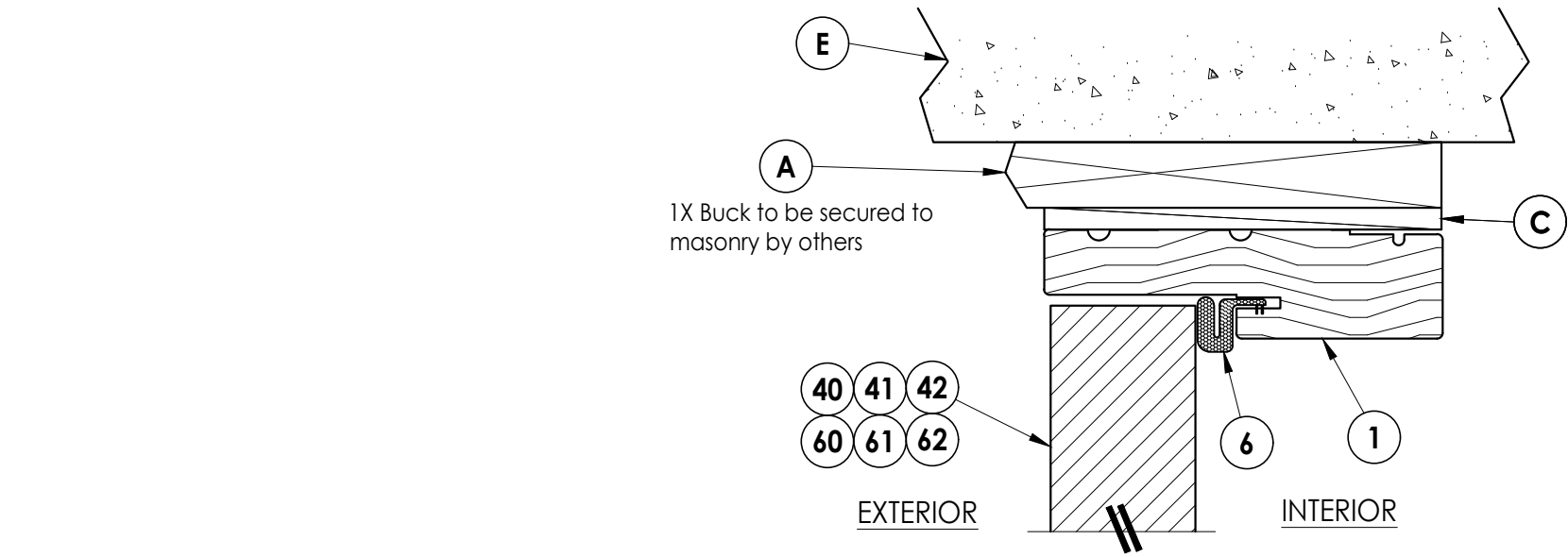
3 HORIZONTAL CROSS SECTION
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)

DATE		NO.		DATE		BY	
10/11/17		3		7/03/26		LFS	
SCALE: N.T.S.		2		8/07/23		FBC	
DWG. BY: JK		1		7/14/20		FBC	
CHK. BY: LFS							
DRAWING NO.: FL-21131.7							
SHEET 5 OF 12							

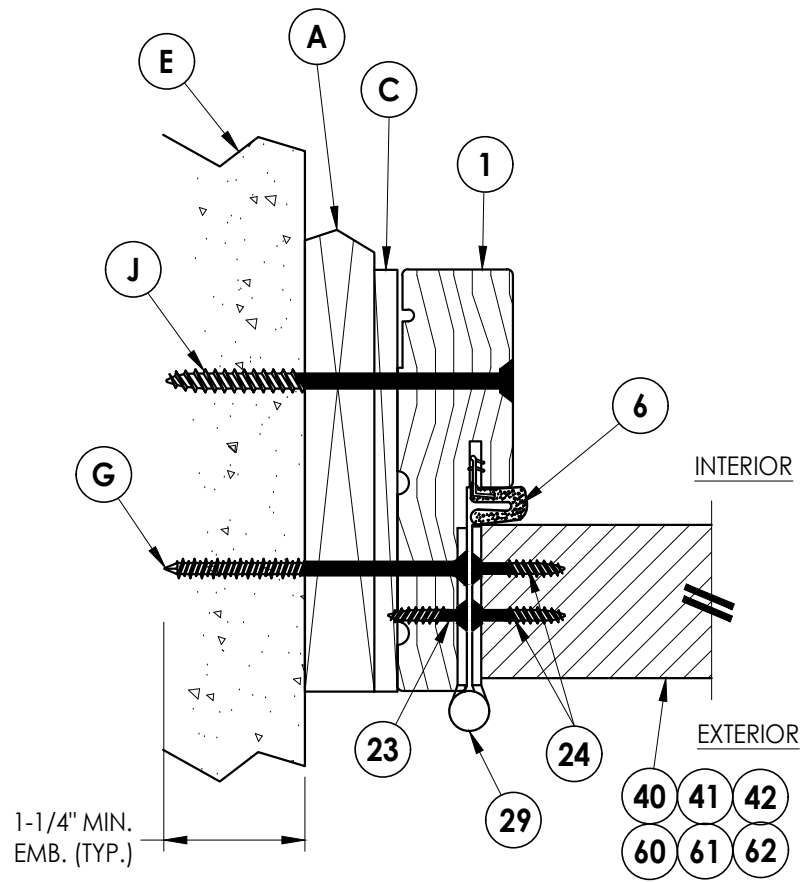
PRODUCT:		PART OR ASSEMBLY:	
THERMA-TRU STEEL DOOR		HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	

Documents Prepared By:		R ^W BUILDING CONSULTANTS, INC.	
Lyndon F. Schmidt		P.O. Box 230, Valrico, FL 33595	
P.E. No. 43409		Phone No.: 813.659.9197	
		FBPE Registry No. 9813	

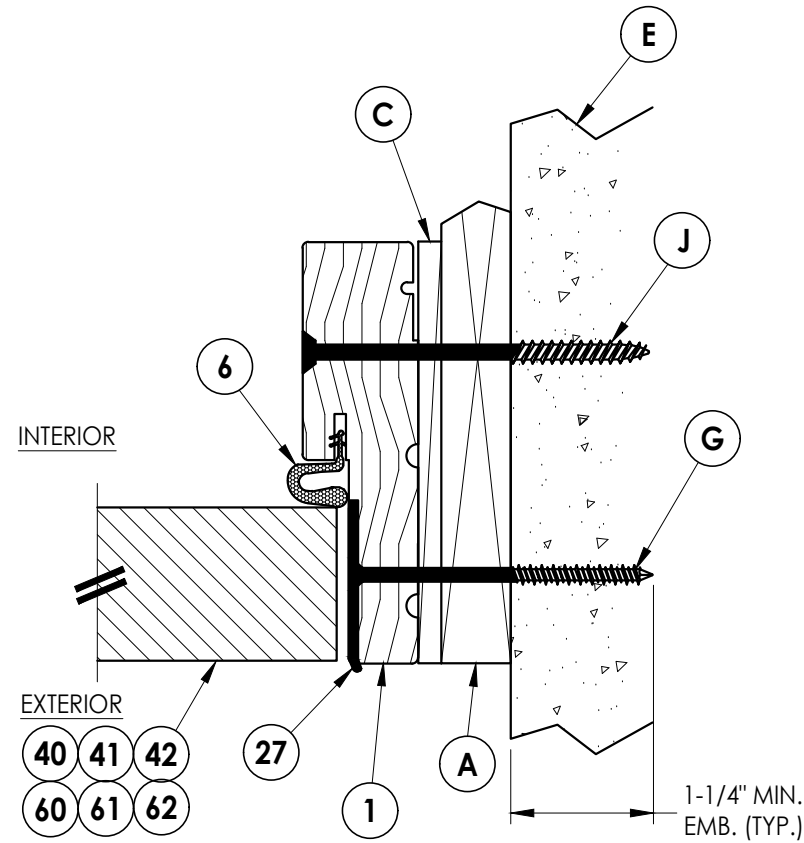
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1 VERTICAL CROSS SECTION
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



2 HORIZONTAL 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

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

PRODUCT: THERMA-TRU STEEL DOOR
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)

REVISIONS			
NO.	DATE	BY	
3	7/03/26	UPDATE TO 9TH ED. (2026)	FBC LFS
2	8/07/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	7/14/20	UPDATE TO 7TH ED (2020)	FBC LFS

DATE: 10/11/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

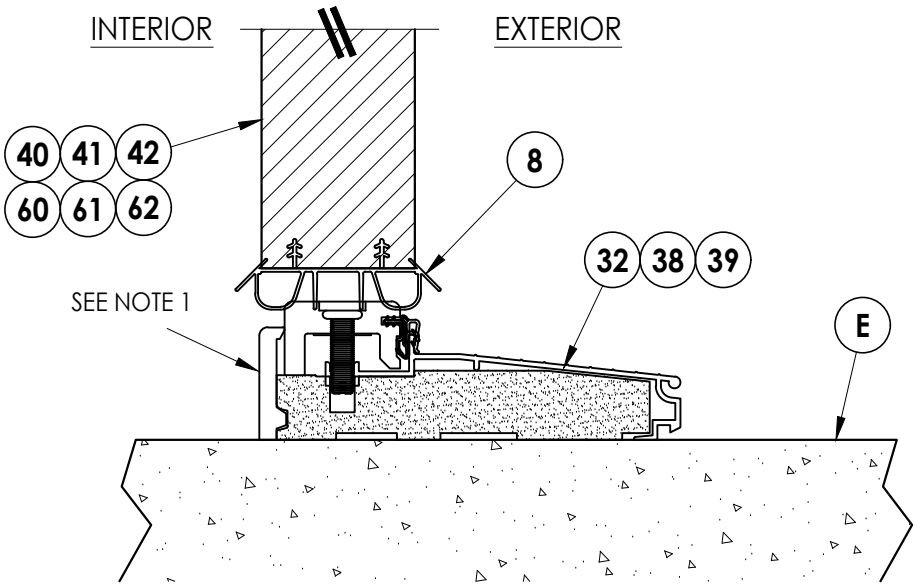
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FL-21131.7

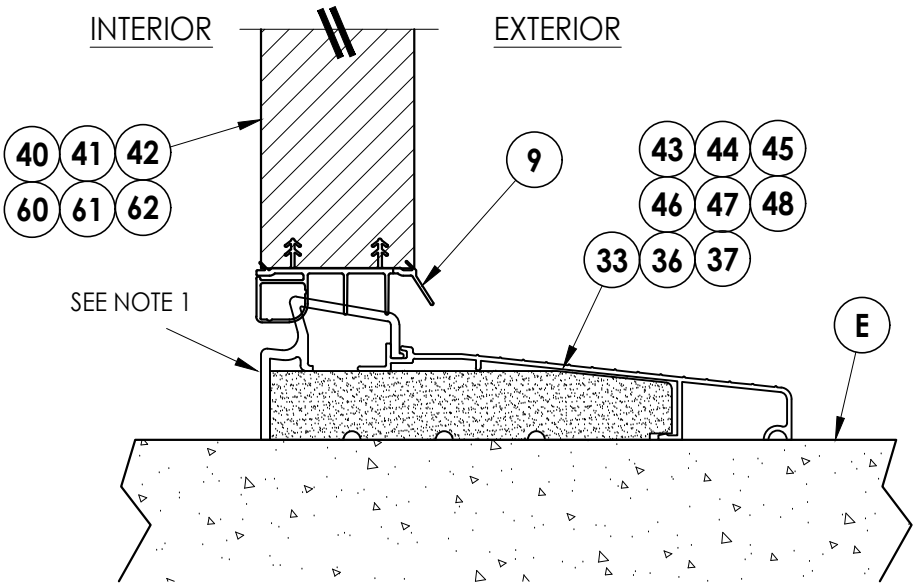
SHEET 6 OF 12

Z:\2023 FBC Drawings\Therma-Tru\FL-21131 R3\FL-21131.7-9.dwg

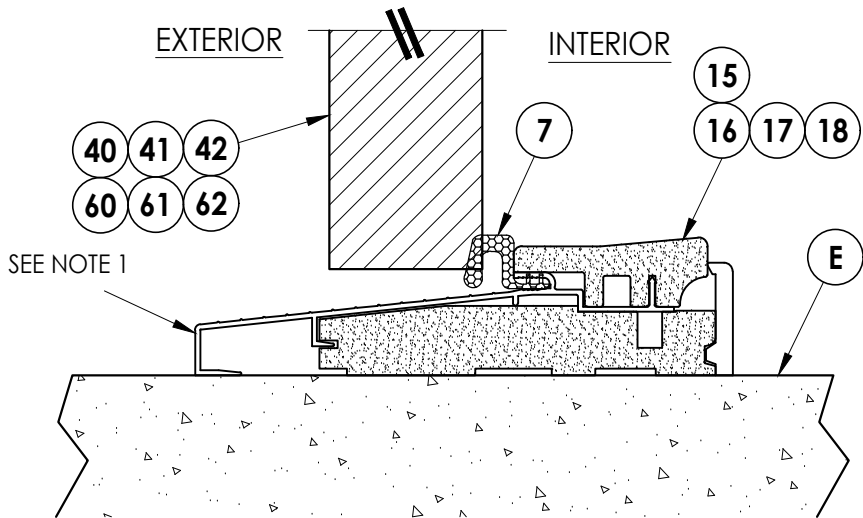
Notes:
1. Sill Item #'s 16, 32, 33, 36, 37, 38, 39, 43, 44, 45, 46, 47 & 48 are attached to jambs
w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item #'s 17 & 18 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
Sill Item #15 is attached to jambs utilizing (2) #10 X 2" pph screws at each end.



1
8 **VERTICAL CROSS SECTION**
Inswing Sill



2
8 **VERTICAL CROSS SECTION**
Inswing Sill



3
8 **VERTICAL CROSS SECTION**
Outswing Sill

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
STEEL DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS
3	7/03/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/07/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/14/20	UPDATE TO 7TH ED (2020) FBC LFS

DATE: 10/11/17

SCALE: N.T.S.

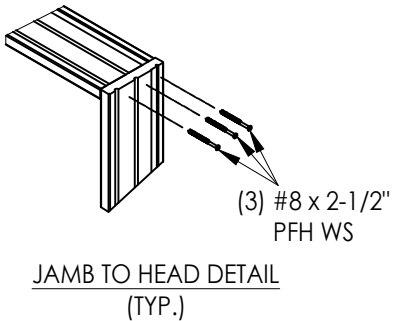
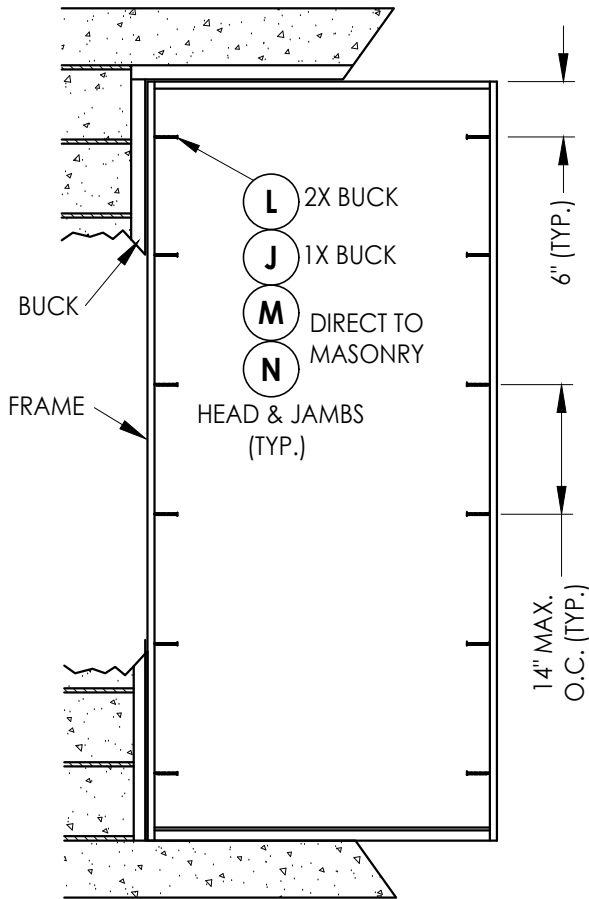
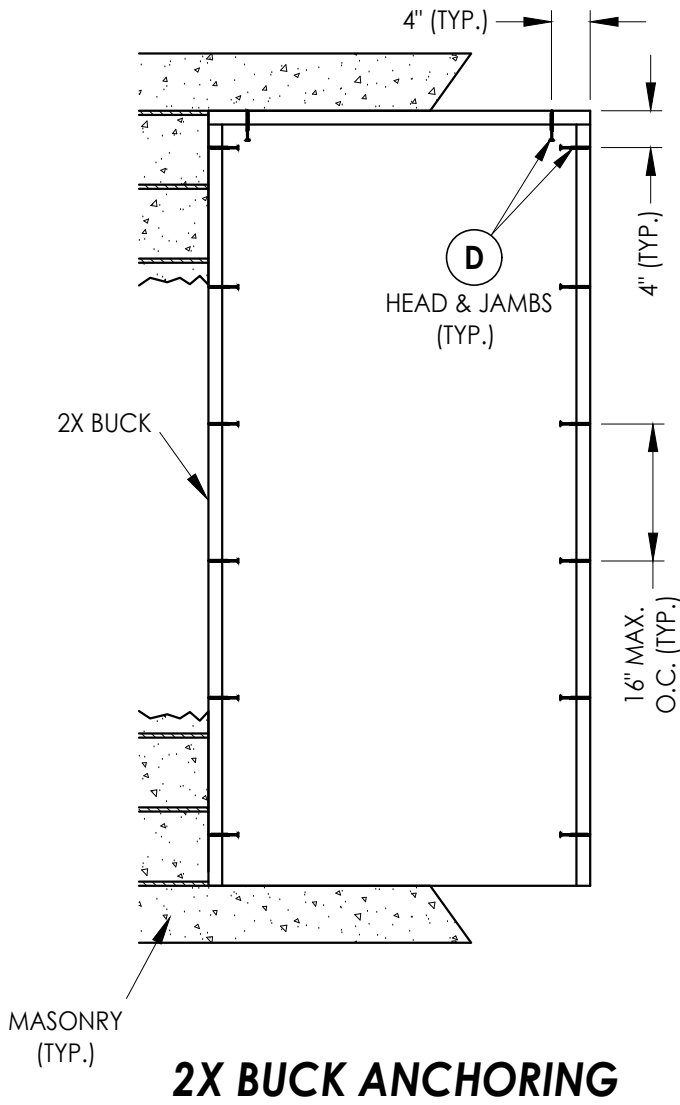
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-21131.7

SHEET 8 OF 12

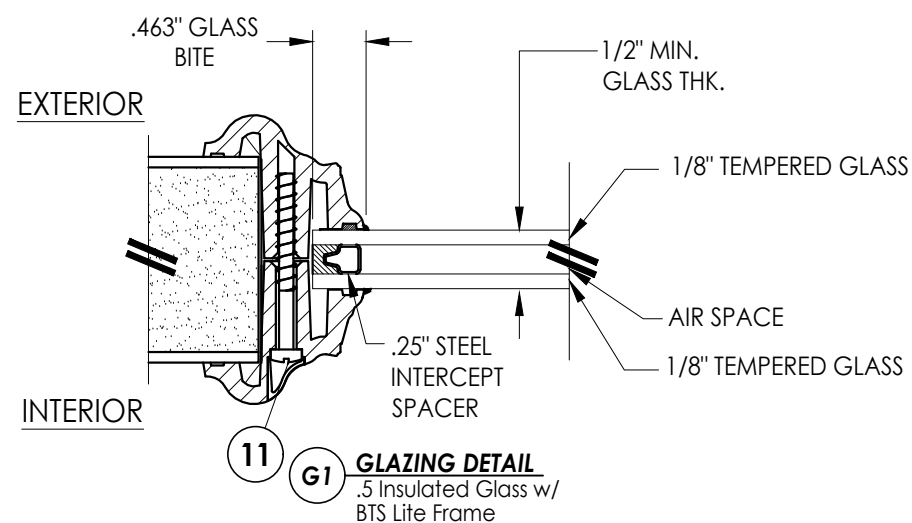
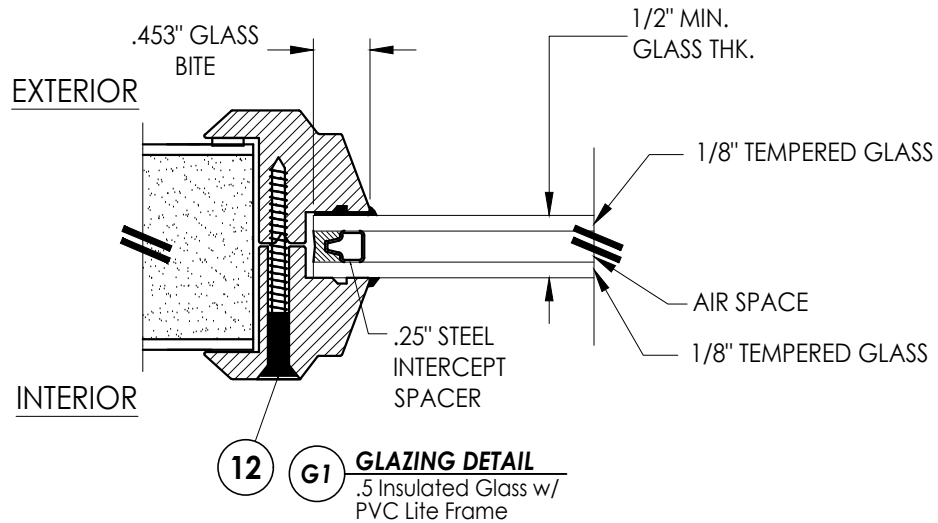
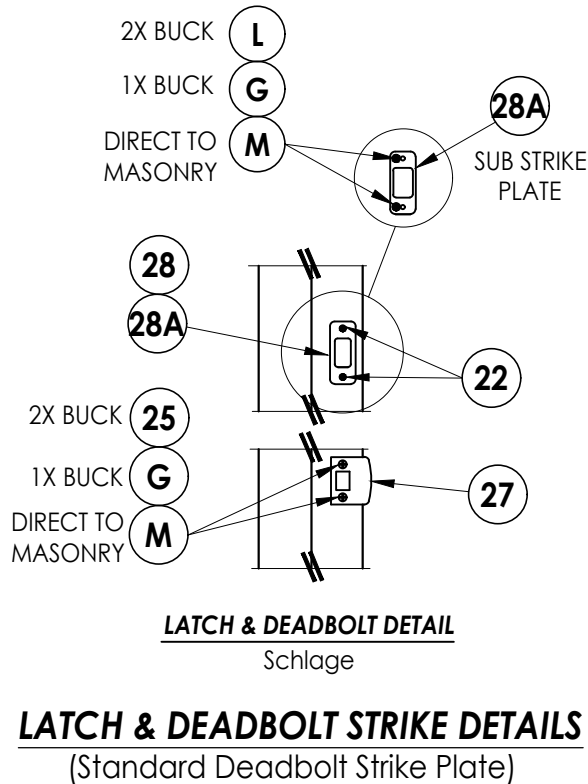
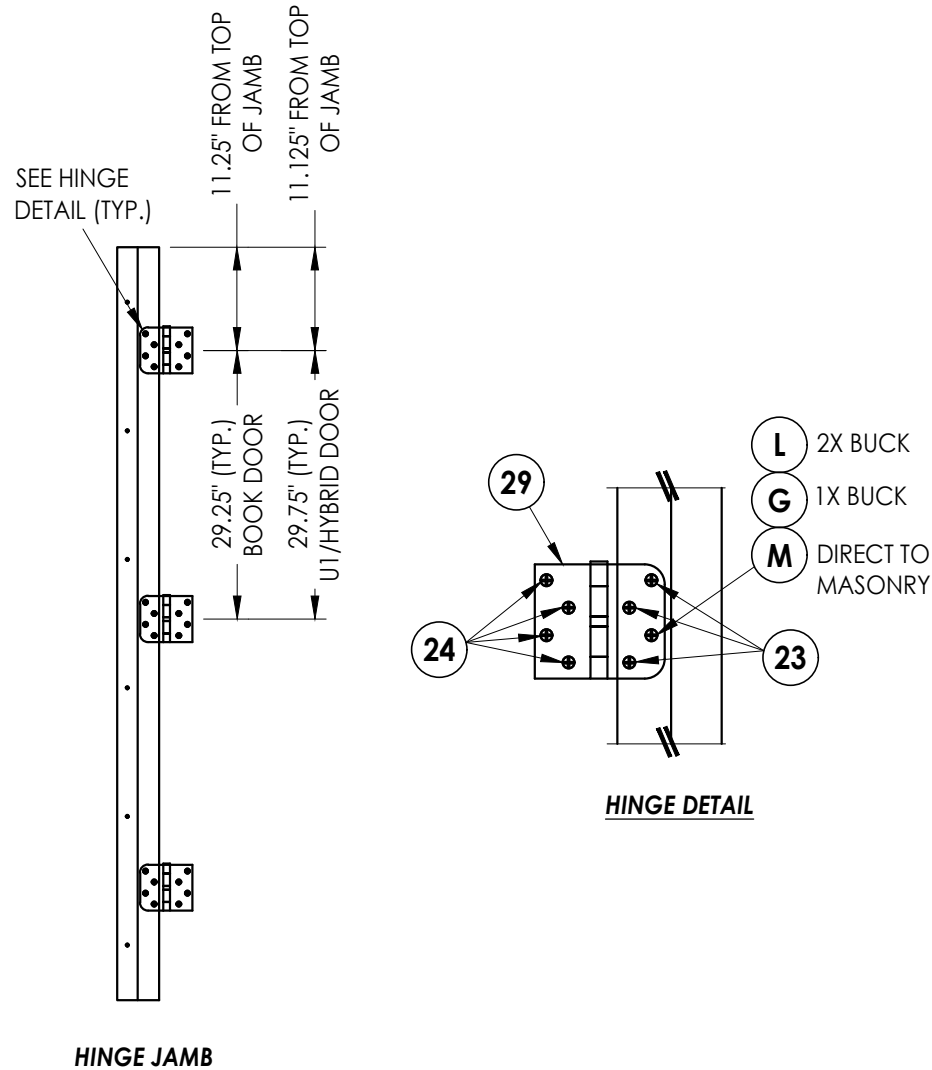
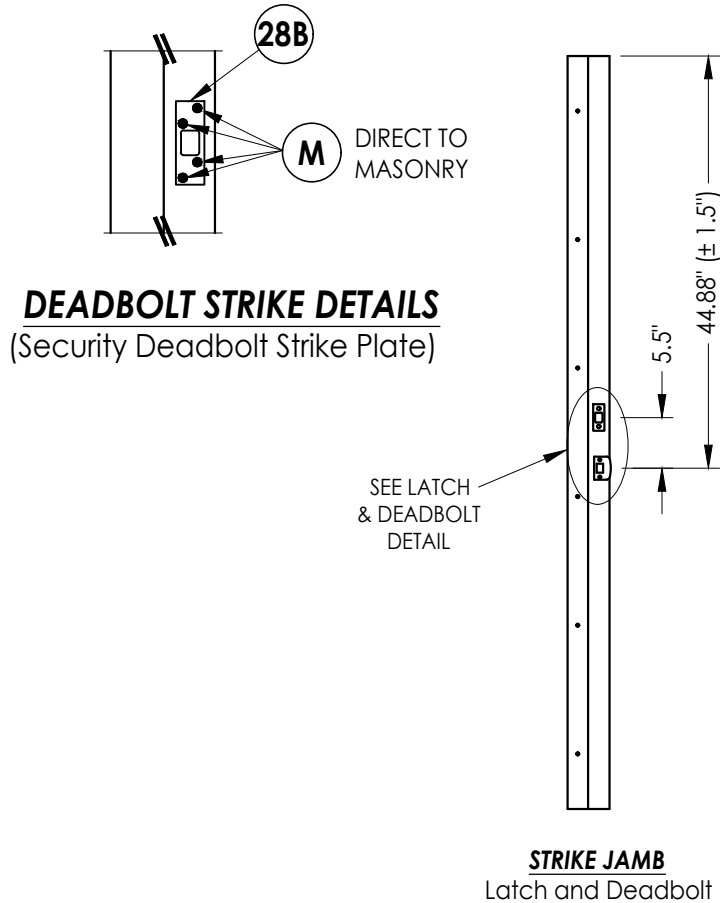
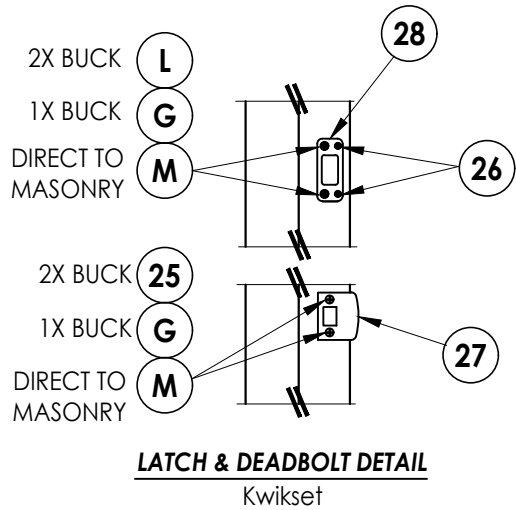


DATE: 10/11/17	
SCALE: N.T.S.	
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.: FL-21131.7	
SHEET 9	OF 12

PRODUCT: THERMA-TRU STEEL DOOR	
PART OR ASSEMBLY: BUCK & FRAME ANCHORING	

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
RWBUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	

Z:\2023 FBC Drawings\Therma-Tru\FL-21131 R3\FL-21131.7-9.dwg



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
STEEL DOOR

PART OR ASSEMBLY:
HARDWARE & GLAZING
DETAILS

REVISIONS			
NO.	DATE	BY	
3	7/03/26	UPDATE TO 9TH ED. (2026)	FBC LFS
2	8/07/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	7/14/20	UPDATE TO 7TH ED (2020)	FBC LFS

DATE: 10/11/17

SCALE: N.T.S.

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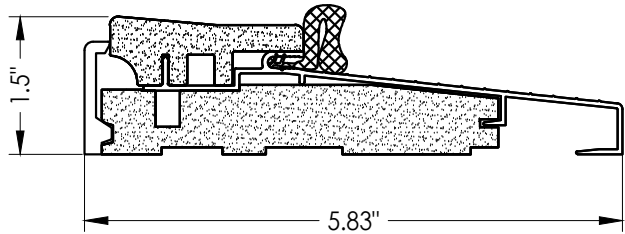
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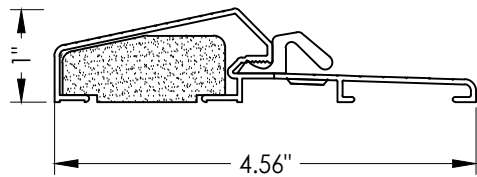
FL-21131.7

SHEET 10 OF 12

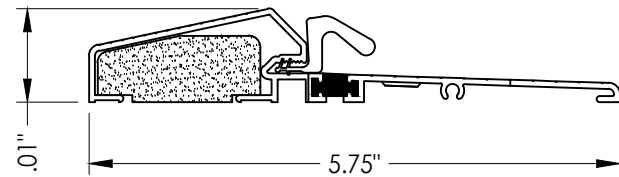
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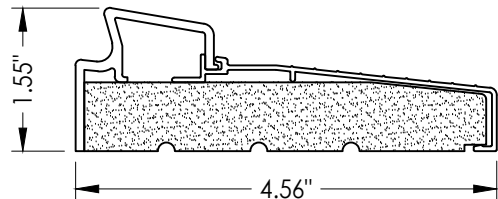
16 **OUTSWING THRESHOLD**
Composite Sill



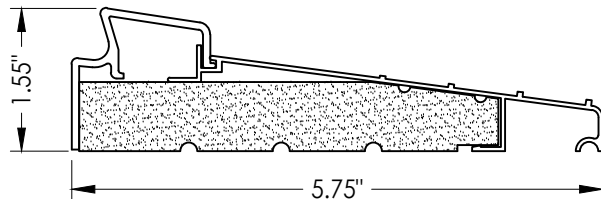
17 **OUTSWING THRESHOLD**
Composite / Aluminum Sill



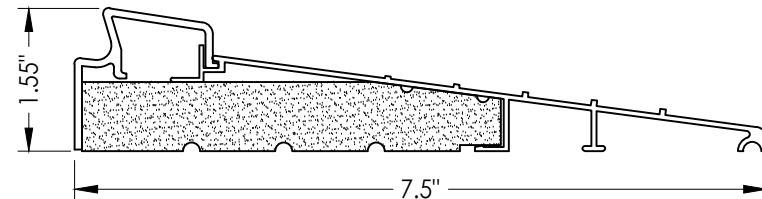
18 **OUTSWING THRESHOLD**
Composite / Aluminum Sill
(Thermal Break)



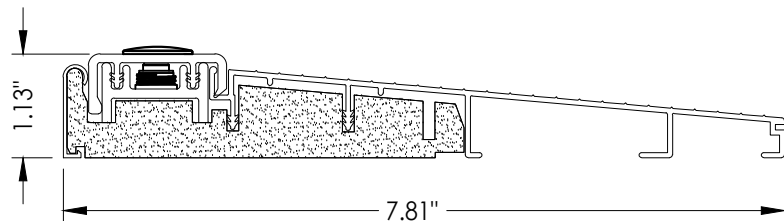
33 **INSWING THRESHOLD**
Inswing Basic Fixed Sill



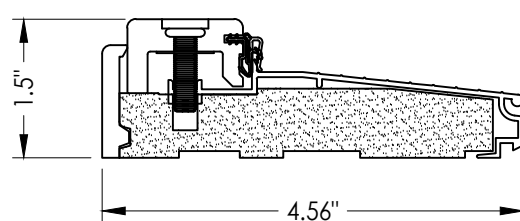
36 **INSWING THRESHOLD**
Inswing Basic Fixed 5-3/4" Sill



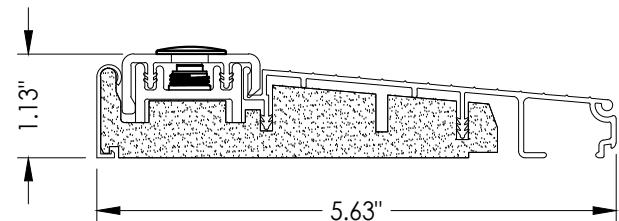
37 **INSWING THRESHOLD**
Inswing Basic Fixed 7-1/2" Sill



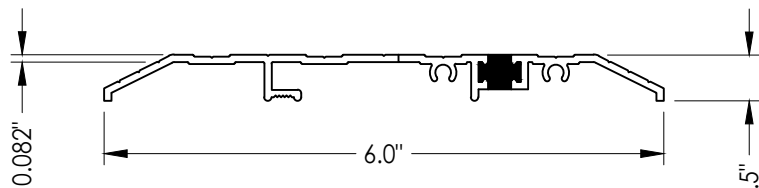
32 **INSWING THRESHOLD**
Inswing Composite Adjustable 7-3/4" Sill



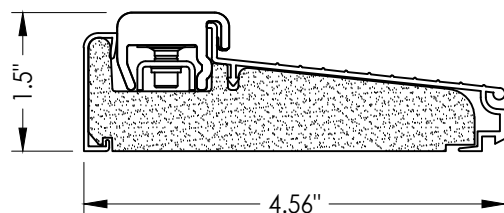
38 **INSWING THRESHOLD**
Inswing Composite Adjustable Sill



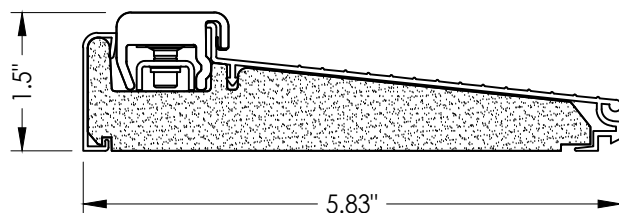
39 **INSWING THRESHOLD**
Inswing Composite Adjustable Sill



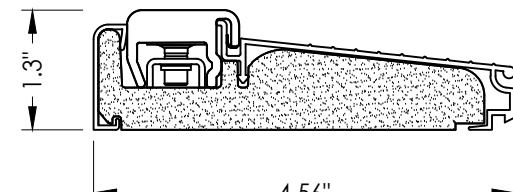
15 **PUBLIC ACCESS THRESHOLD**



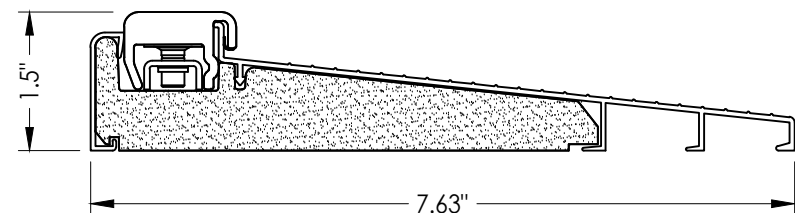
43 **INSWING THRESHOLD**
Inswing Composite Adjustable Sill
Book, Hybrid



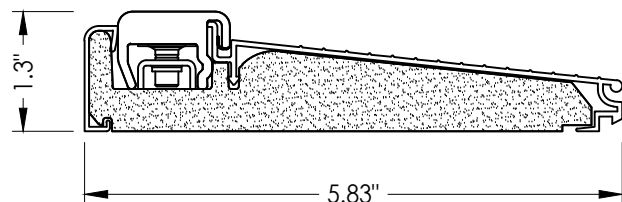
44 **INSWING THRESHOLD**
Inswing Composite Adjustable Sill
Book, Hybrid



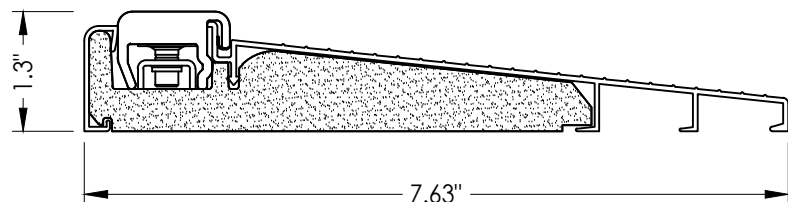
46 **INSWING THRESHOLD**
Inswing Composite Adjustable Sill
U1



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



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

R^W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
THERMA-TRU
STEEL DOOR

PART OR ASSEMBLY:
COMPONENTS AND
GLAZING DETAILS

NO.	DATE	REVISIONS
3	7/03/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/07/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/14/20	UPDATE TO 7TH ED (2020) FBC LFS

DATE: 10/11/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-21131.7

SHEET 11 OF 12

Z:\2023 FBC Drawings\Therma-Tru\FL-21131 R3\FL-21131.7-9.dwg

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
			28B	DEADBOLT STRIKE PLATE (SECURITY)	STEEL
G	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL	29	4" X 4" HINGE	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	32	INSWING THRESHOLD	ALUM/COMP
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL	33	INSWING THRESHOLD	ALUM/COMP
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL	36	INSWING THRESHOLD	ALUM/COMP
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL	37	INSWING THRESHOLD	ALUM/COMP
1	JAMB (FINGER JOINT PINE)	WOOD	38	INSWING THRESHOLD	ALUM/COMP
2	JAMB (FINGER JOINT PINE)	WOOD	39	INSWING THRESHOLD	ALUM/COMP
6	WEATHERSTRIP (MEDIUM REACH)	FOAM	40	DOOR PANEL (BOOK) - "PROFILES" SERIES	-
7	WEATHERSTRIP (LONG REACH)	FOAM	41	DOOR PANEL (HYBRID) - "PROFILES" SERIES	-
8	SWEEP	VINYL	42	DOOR PANEL (U1) - "PROFILES" SERIES	-
9	SWEEP (USE w/ MODERATE CLIMATE THRESHOLD)	VINYL	43	INSWING THRESHOLD	ALUM/COMP
10	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL	44	INSWING THRESHOLD	ALUM/COMP
15	PUBLIC ACCESS THRESHOLD	ALUM	45	INSWING THRESHOLD	ALUM/COMP
16	OUTSWING THRESHOLD	ALUM/COMP	46	INSWING THRESHOLD	ALUM/COMP
17	OUTSWING THRESHOLD	ALUM/COMP	47	INSWING THRESHOLD	ALUM/COMP
18	OUTSWING THRESHOLD	ALUM/COMP	48	INSWING THRESHOLD	ALUM/COMP
22	#8 x 3/4" PFH WOOD SCREW	STEEL	60	DOOR PANEL (BOOK) - "TRADITIONS" SERIES	-
23	#10 x 3/4" PFH WOOD SCREW	STEEL	61	DOOR PANEL (HYBRID) - "TRADITIONS" SERIES	-
24	#10 x 1" PFH WOOD SCREW	STEEL	62	DOOR PANEL (U1) - "TRADITIONS" SERIES	-

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:

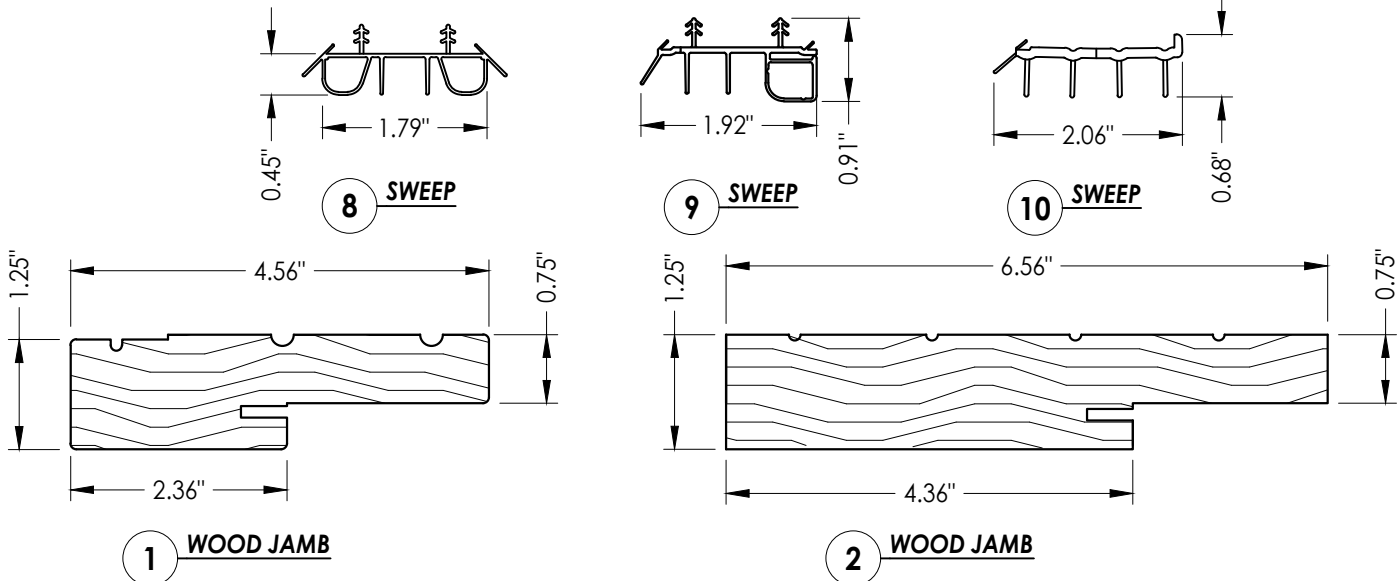
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	AS SHOWN	1-1/2"

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.

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.



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
STEEL DOOR

PART OR ASSEMBLY:
COMPONENTS &
BILL OF MATERIALS

NO.	DATE	REVISIONS
3	7/03/26	UPDATE TO 9TH ED. (2026) FBC
2	8/07/23	UPDATE TO 8TH ED. (2023) FBC
1	7/14/20	UPDATE TO 7TH ED (2020) FBC

DATE:	10/11/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21131.7
SHEET	12 OF 12