

THERMA-TRU®
DOORS

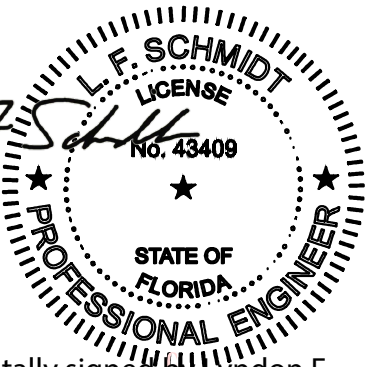
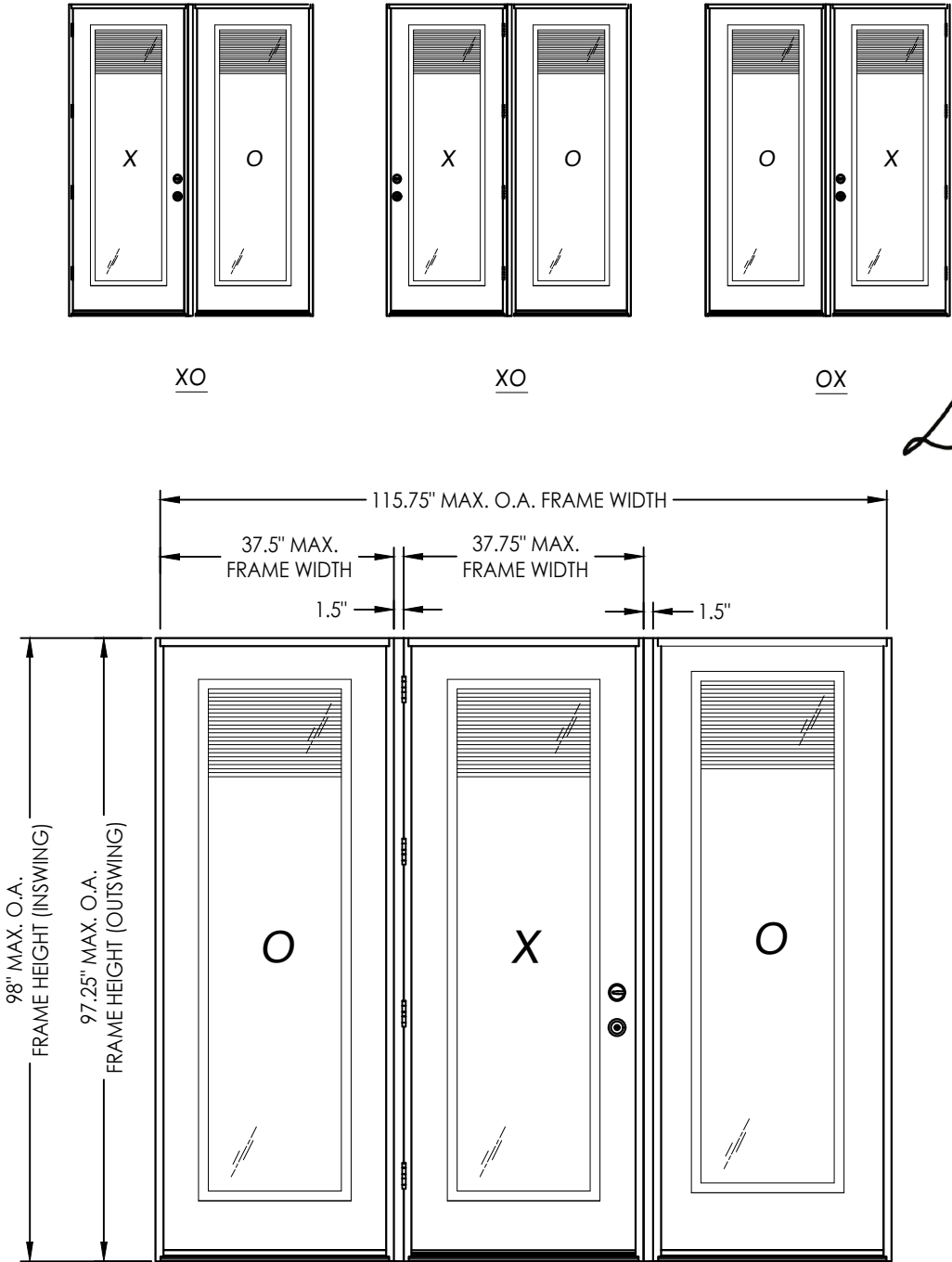
Fiber-Classic® & Smooth-Star®

COMPOSITE EDGE
GLAZED FIBERGLASS SINGLE DOOR
w/ SIDELITE(S) w/ BLINDS BETWEEN GLASS
INSWING/OUTSWING
"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 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 excludes Wind Zone 4 as defined in ASTM E1996.
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 panel require the use of "J" part numbers and must be stained or painted within six months of installation.

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SHEET #	DESCRIPTION
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10	Frame Anchoring
11	Hardware Details
12	Lite Frame & Glazing Details
13	Bill of Materials & Components



Digitally signed by Lyndon F Schmidt
Date: 2026.08.10 15:26:41 -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
XO, OX, OXO	+50.0	-50.0	+50.0	-50.0

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

THERMA-TRU
FIBERGLASS DOOR

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

DATE: 5/25/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-37183.11

SHEET 1 OF 13

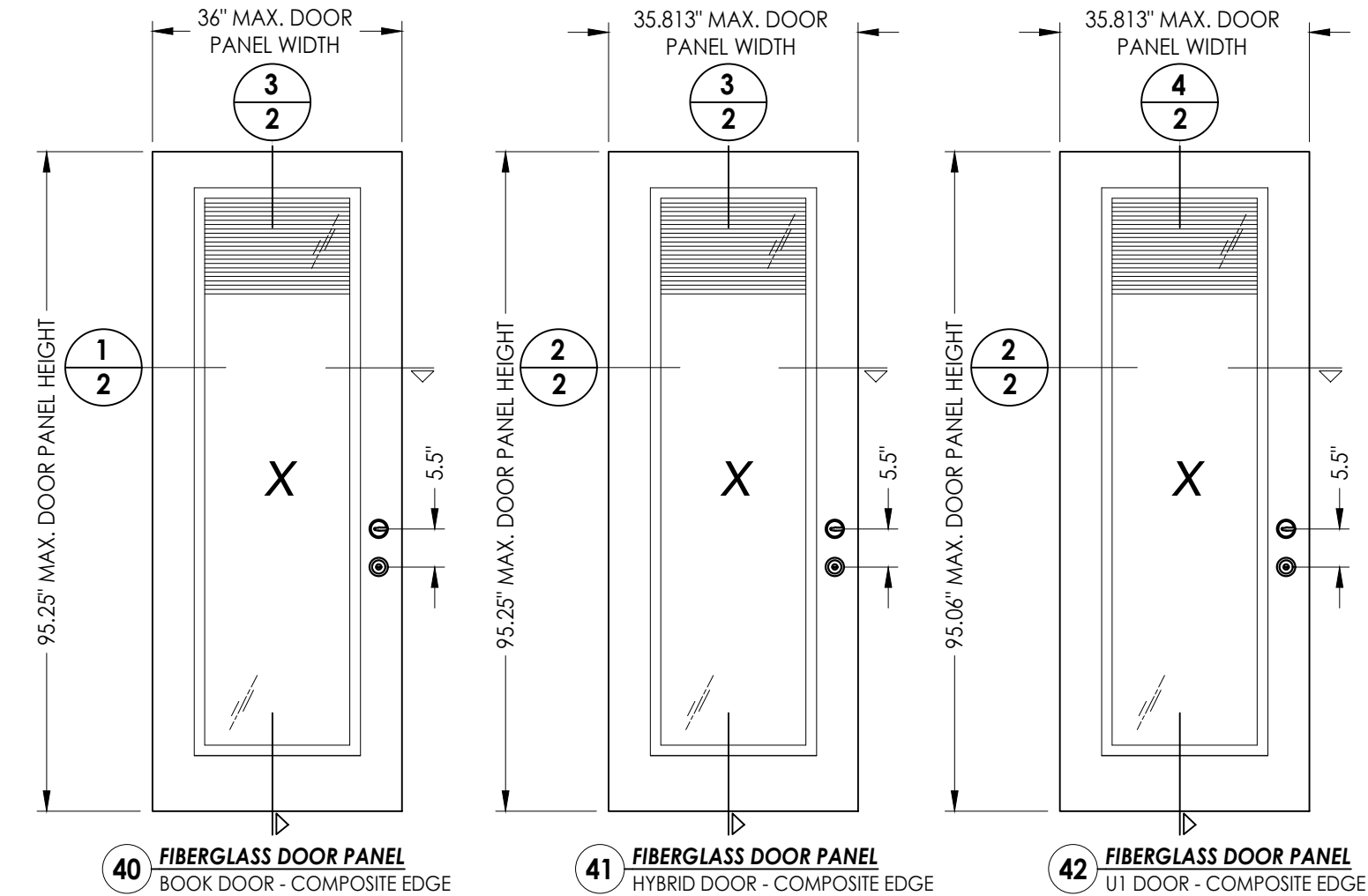
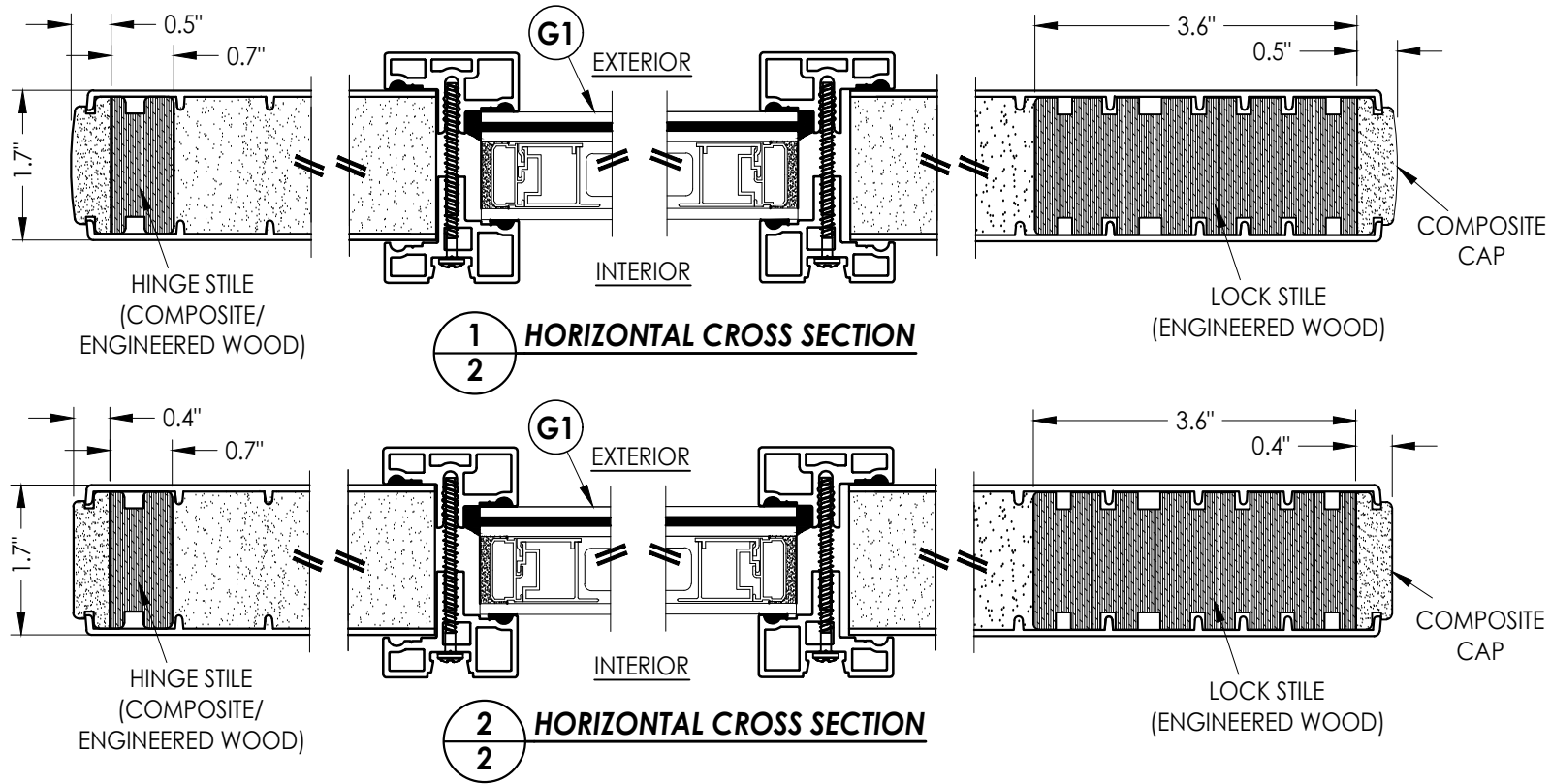
REVISIONS

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1	7/27/23	UPDATE TO 8TH ED. (2023) FBC

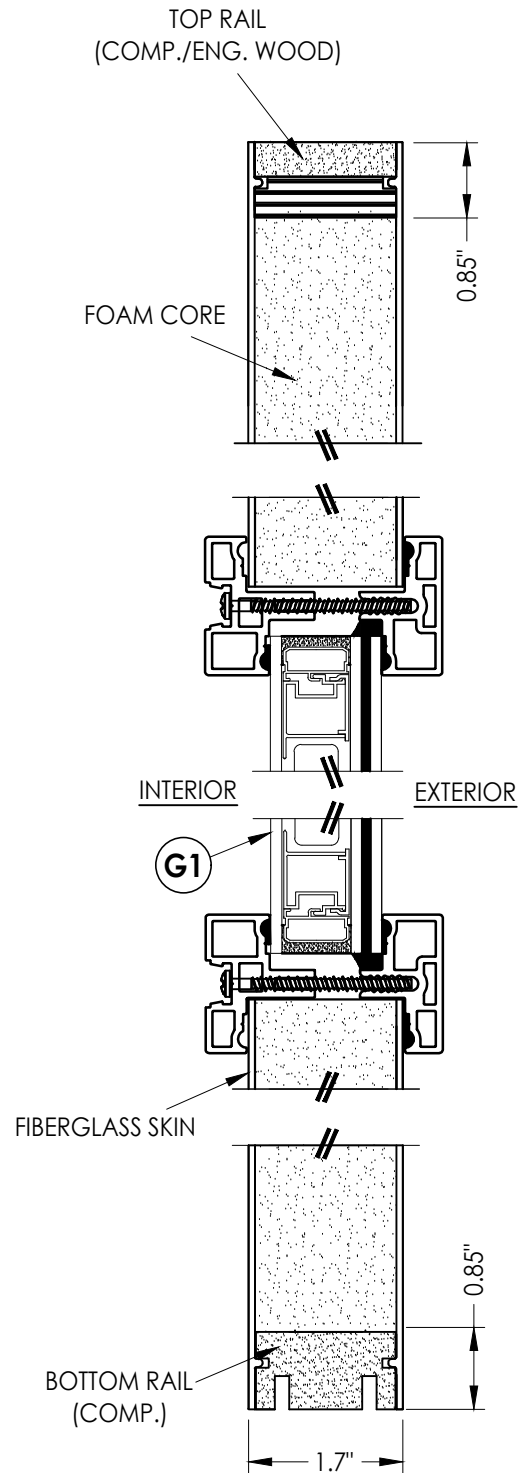
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Building Consultants, Inc.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

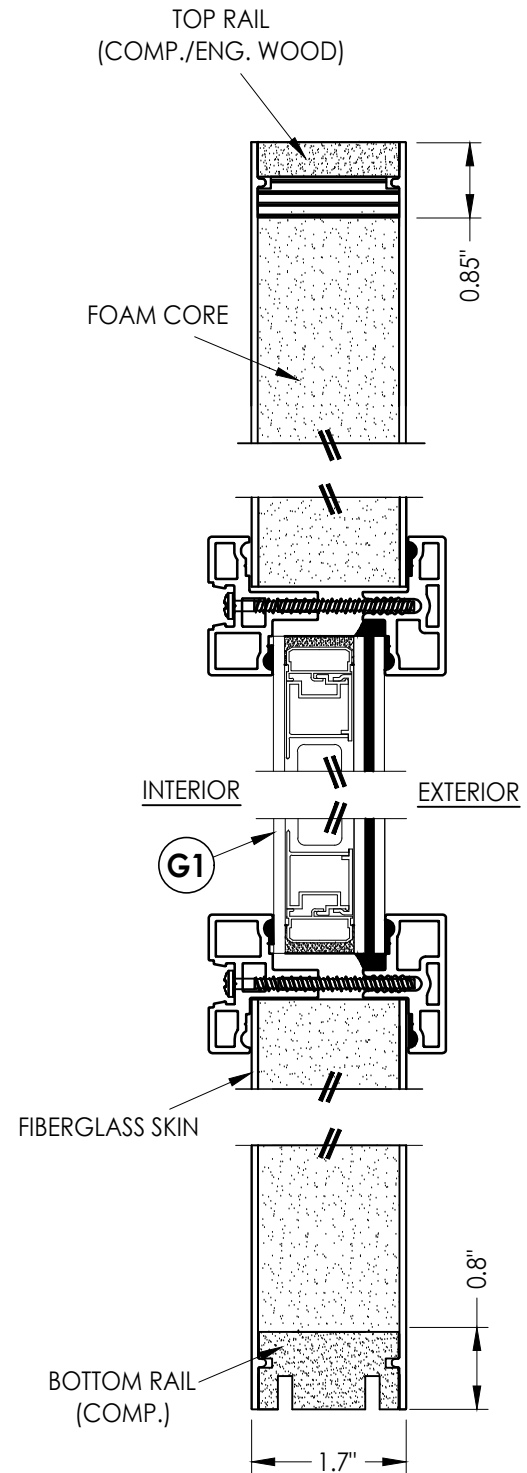
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FIBERGLASS SKIN: 0.082" MIN. THK.
FOAM CORE: POLYURETHANE -1.9 PCF MIN.



3/2 VERTICAL CROSS SECTION



4/2 VERTICAL CROSS SECTION

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS	
		BY	LFS
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC
1	7/27/23	UPDATE TO 8TH ED. (2023)	FBC

DATE: 5/25/21

SCALE: N.T.S.

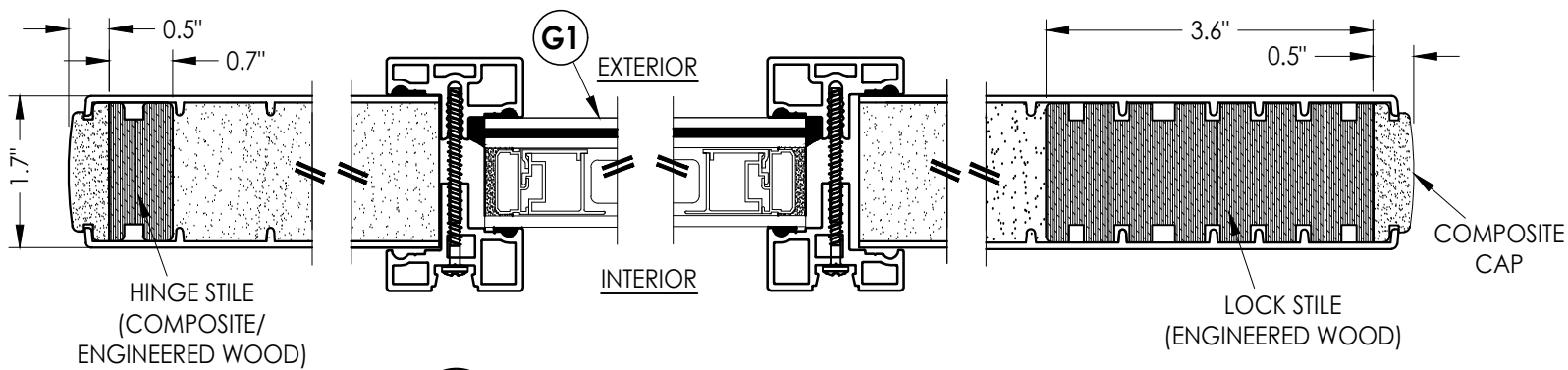
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CHK. BY: LFS

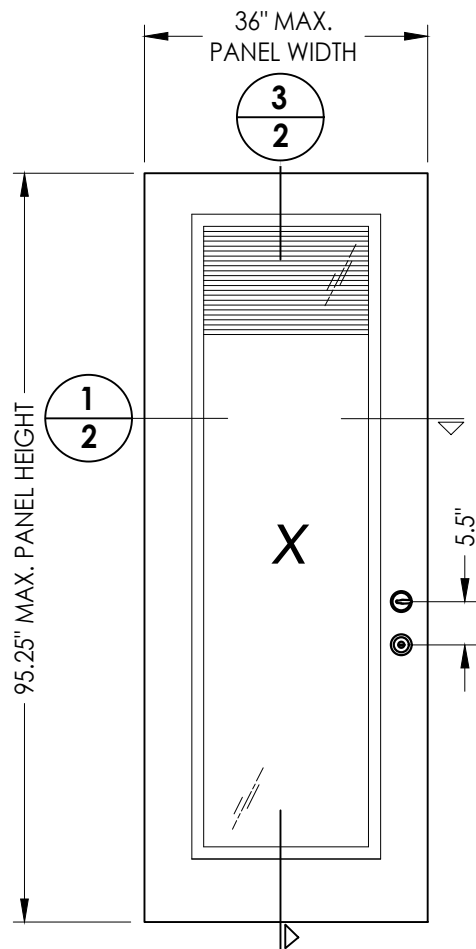
DRAWING NO.: FL-37183.11

SHEET 2 OF 13

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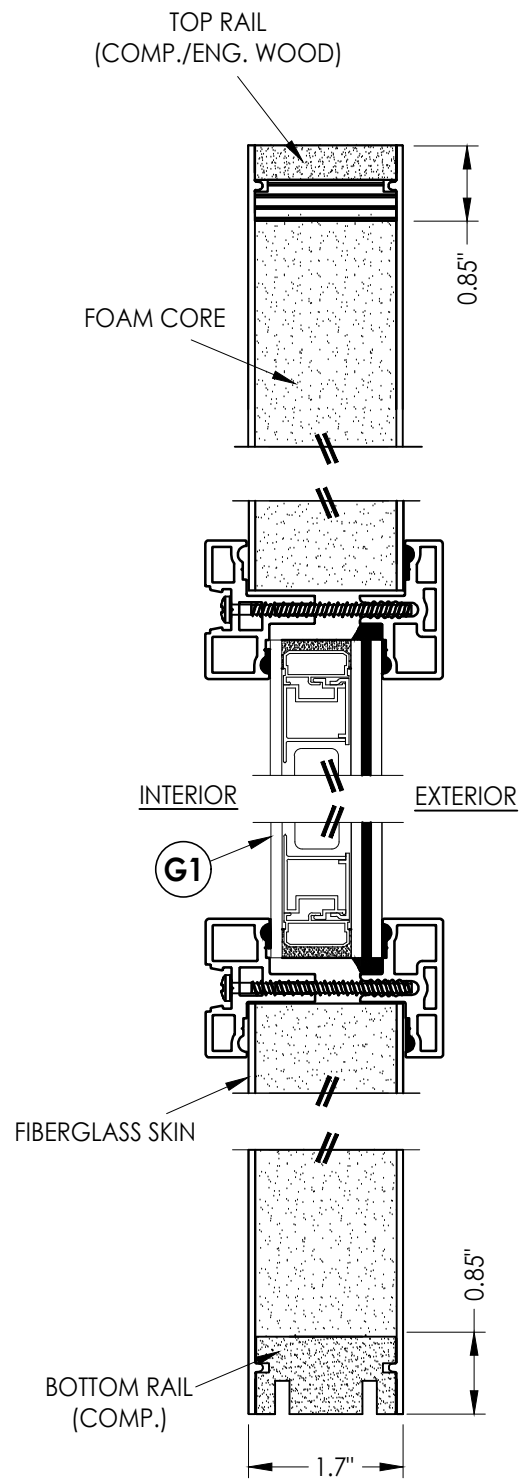


1
3 HORIZONTAL CROSS SECTION



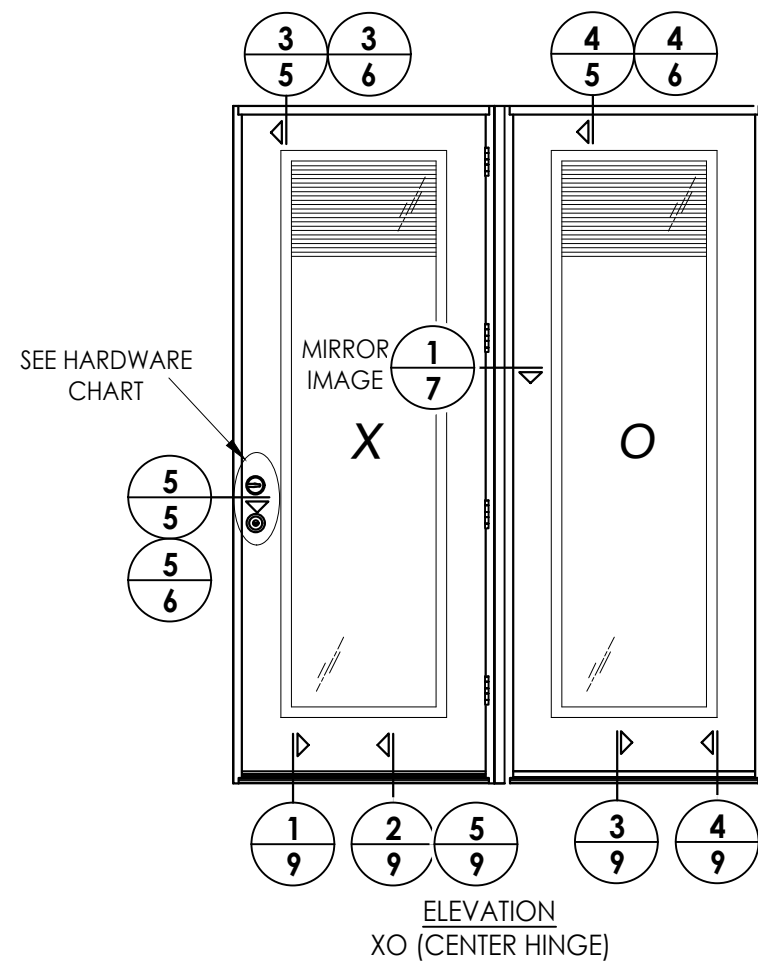
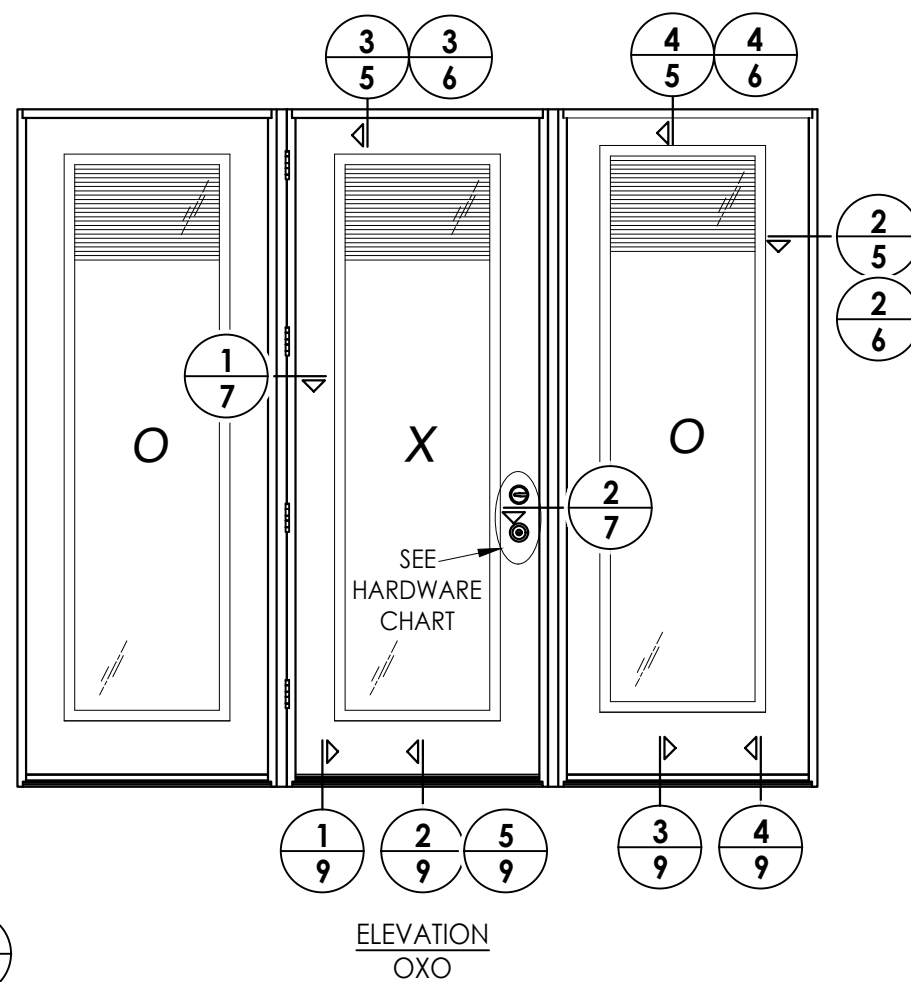
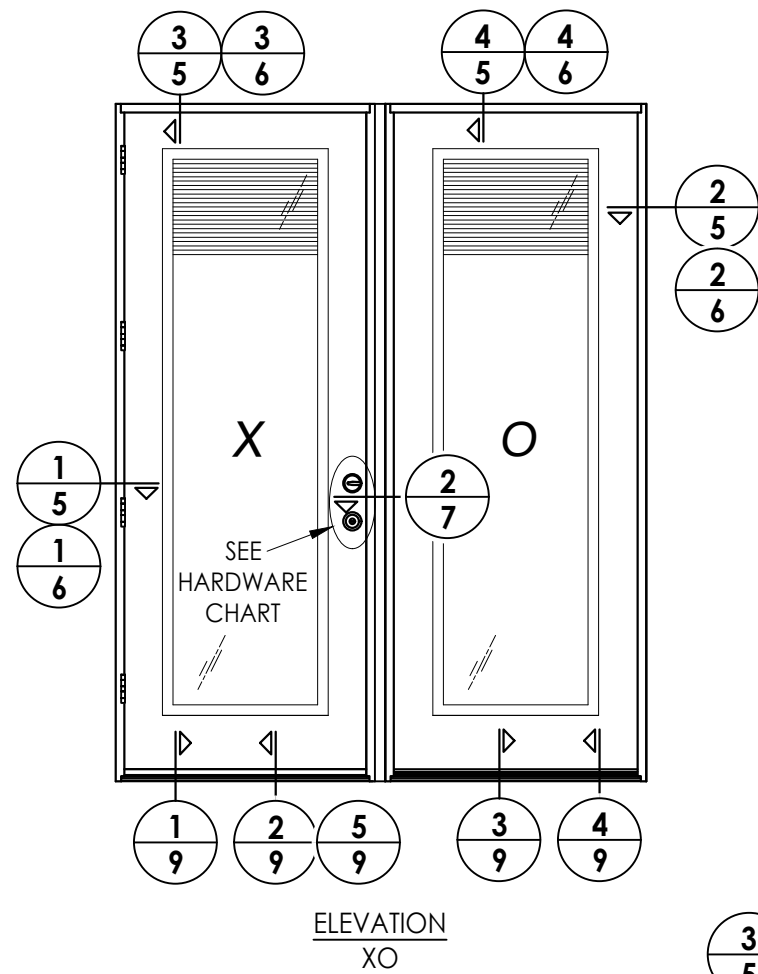
50 FIBERGLASS SIDELITE PANEL
COMPOSITE EDGE

FIBERGLASS SKIN: 0.082" MIN. THK.
FOAM CORE: POLYURETHANE -1.9 PCF MIN.



3
3 VERTICAL CROSS SECTION

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 FIBERGLASS DOOR				PART OR ASSEMBLY: SIDELITE PANEL DETAILS			
				LFS	FBC	DATE	BY
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	FBC	DATE	BY
1	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	FBC	DATE	BY
REVISIONS							
DATE: 5/25/21							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-37183.11							
SHEET 3 OF 13							



HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	KNOB: F51 DEADBOLT: B60	
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)	

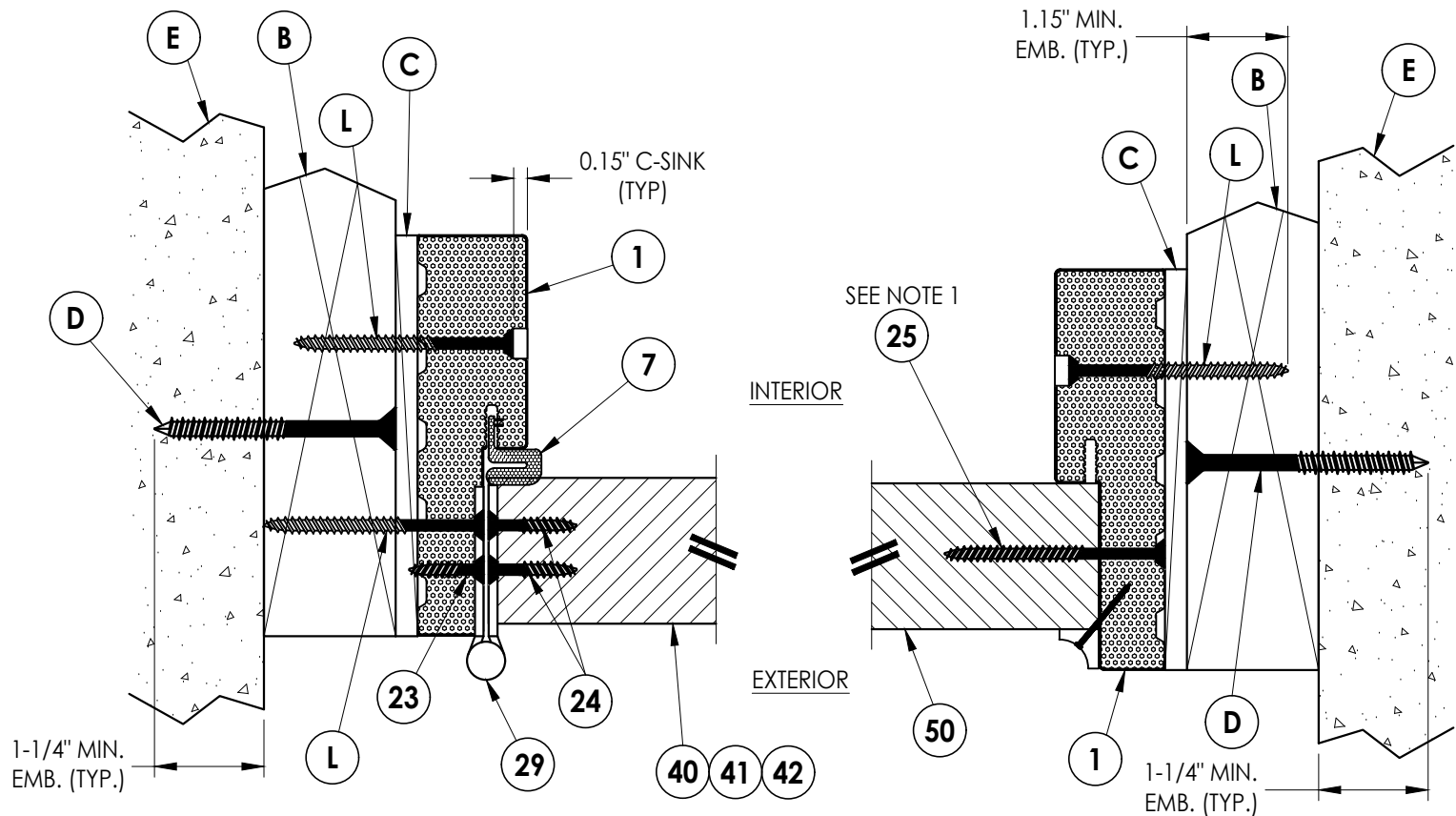
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1	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
NO.	DATE	BY		
REVISIONS				

DATE:	5/25/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-37183.11
SHEET	4 OF 13

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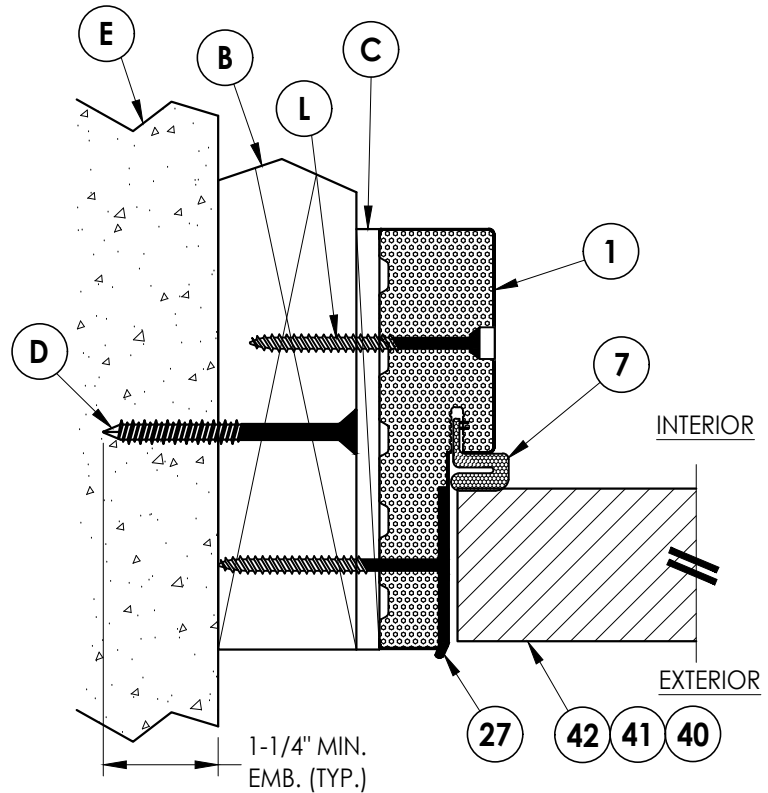
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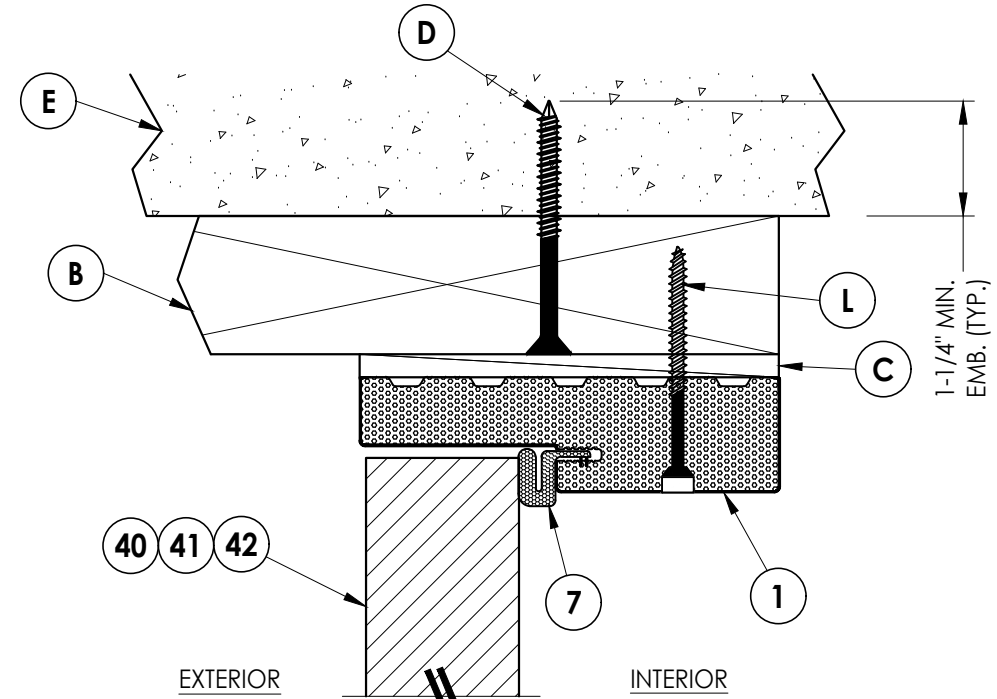
1 **HORIZONTAL CROSS SECTION**
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)

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

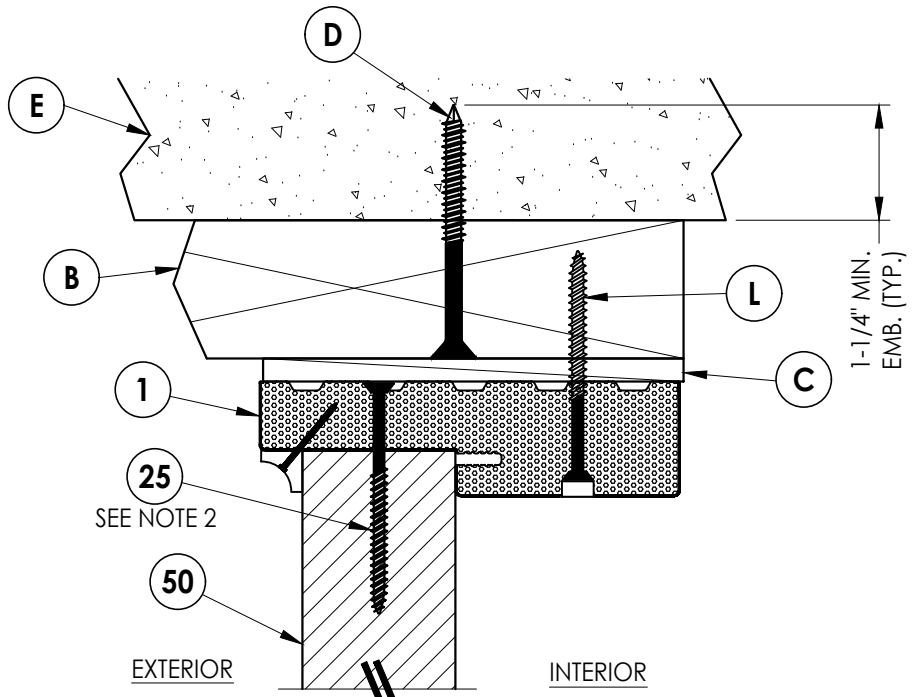


5 **HORIZONTAL CROSS SECTION**
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)

- Notes:
1. Sidelite assembly screws located 6" from each end and 6 more screws equally spaced between (8 screws total per side jamb).
 2. Sidelite assembly screws located 3" from each end and @ centerline (3 screws along head jamb).
 3. PVC/Wood Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.



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



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

Documents Prepared By:
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P.E. No. 43409

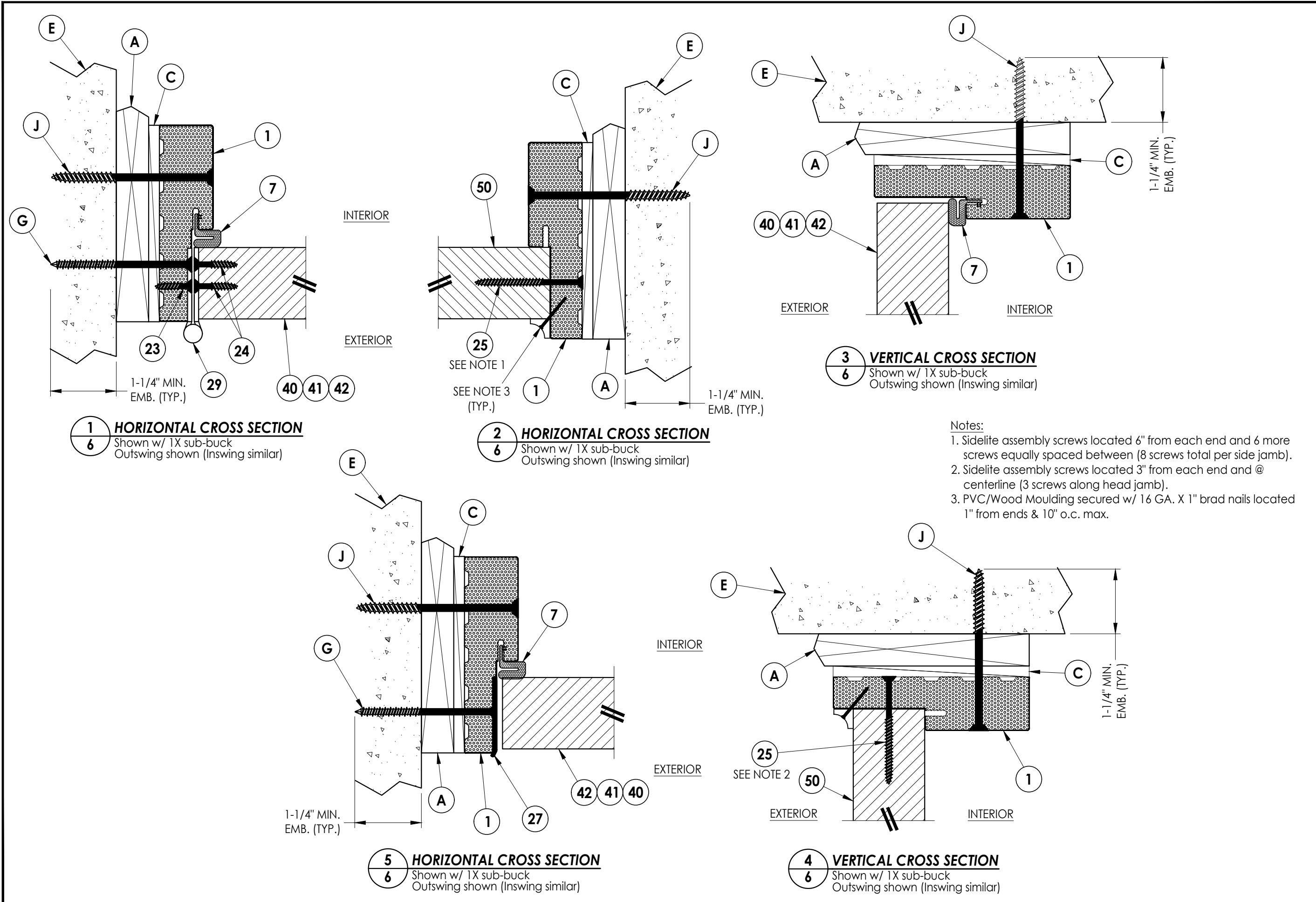
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P.O. Box 230, Valrico, FL 33595
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FBPE Registry No. 9813

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

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

NO.	DATE	REVISIONS			
		BY	DATE	DESCRIPTION	DATE
2	7/01/26	LFS		UPDATE TO 9TH ED. (2026)	FBC
1	7/27/23	LFS		UPDATE TO 8TH ED. (2023)	FBC

DATE: 5/25/21
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-37183.11
SHEET 5 OF 13

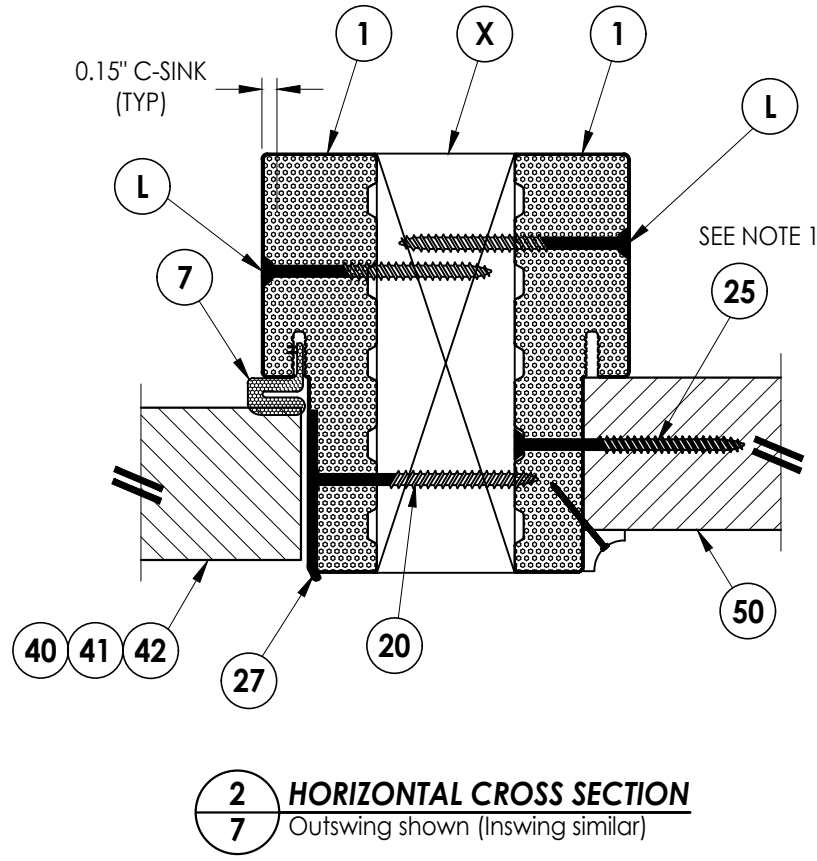
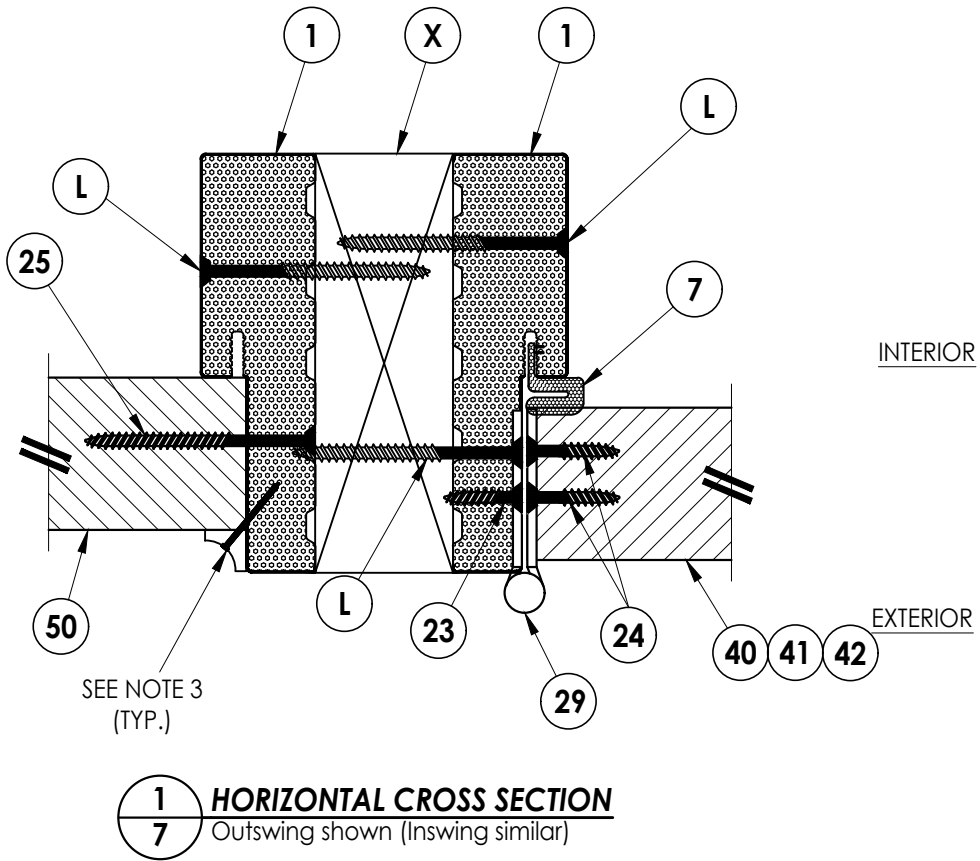


Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

DATE: 5/25/21		PRODUCT: THERMA-TRU FIBERGLASS DOOR	
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-37183.11			
SHEET 6 OF 13			
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC LFS
1	7/27/23	UPDATE TO 8TH ED. (2023)	FBC LFS
NO.	DATE		BY
			REVISIONS
PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)			

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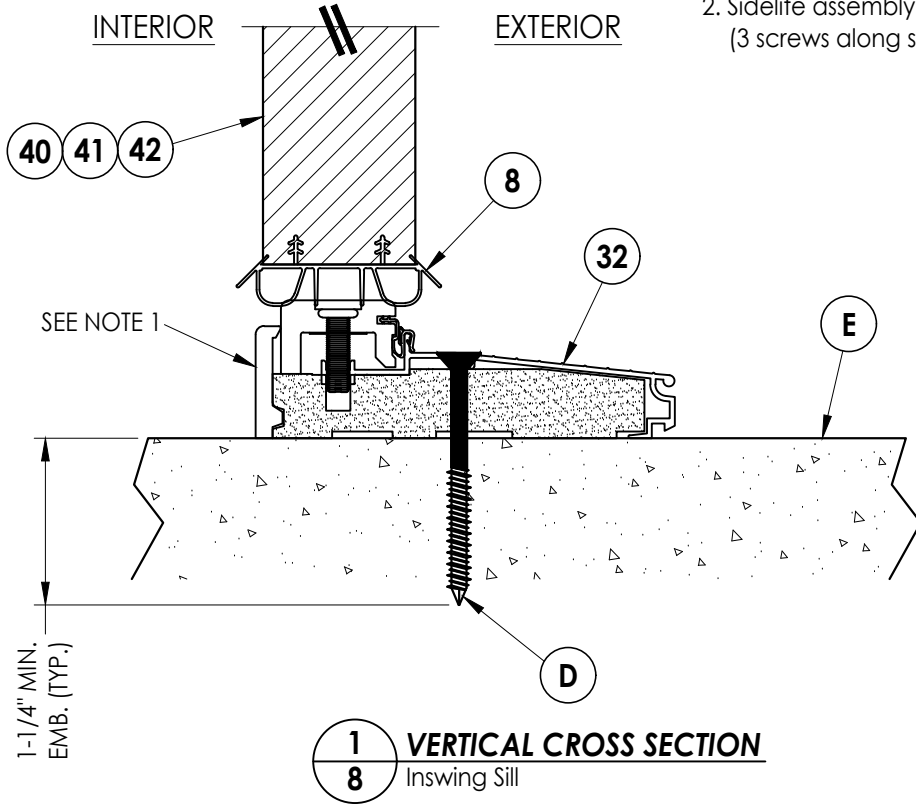
- Notes:
1. Sidelite assembly screws located 6" from each end and 6 more screws equally spaced between (8 screws total per side jamb).
 2. Sidelite assembly screws located 3" from each end and @ centerline (3 screws along head jamb).
 3. PVC/Wood Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.

DATE: 5/25/21	
SCALE: N.T.S.	
DWG. BY: RW	
CHK. BY: LFS	
DRAWING NO.: FL-37183.11	
SHEET 7	OF 13

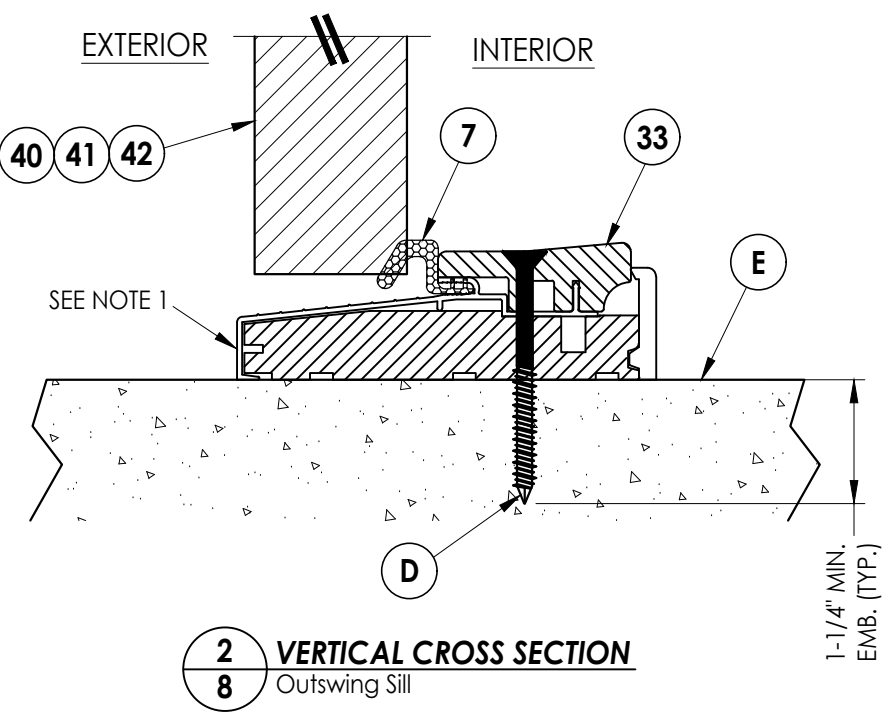
PRODUCT: THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	

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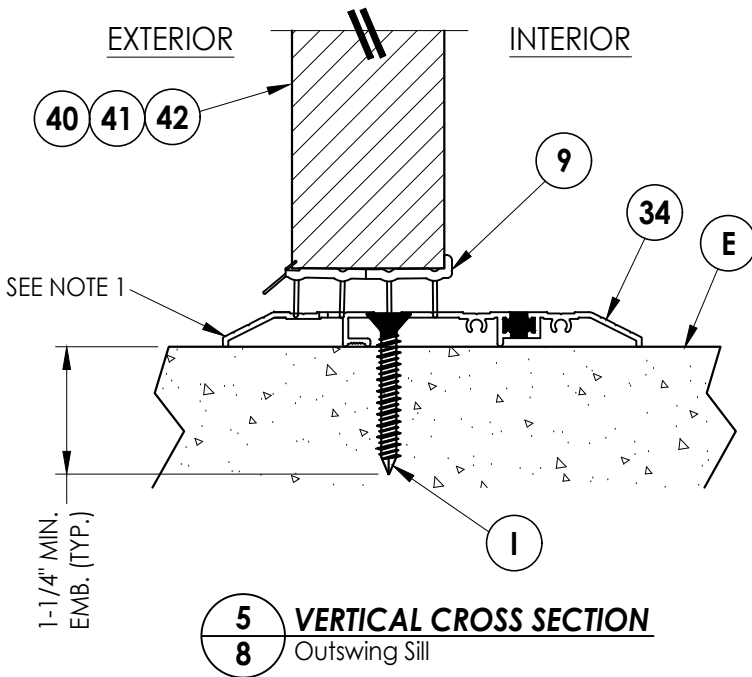


1
8 VERTICAL CROSS SECTION
Inswing Sill

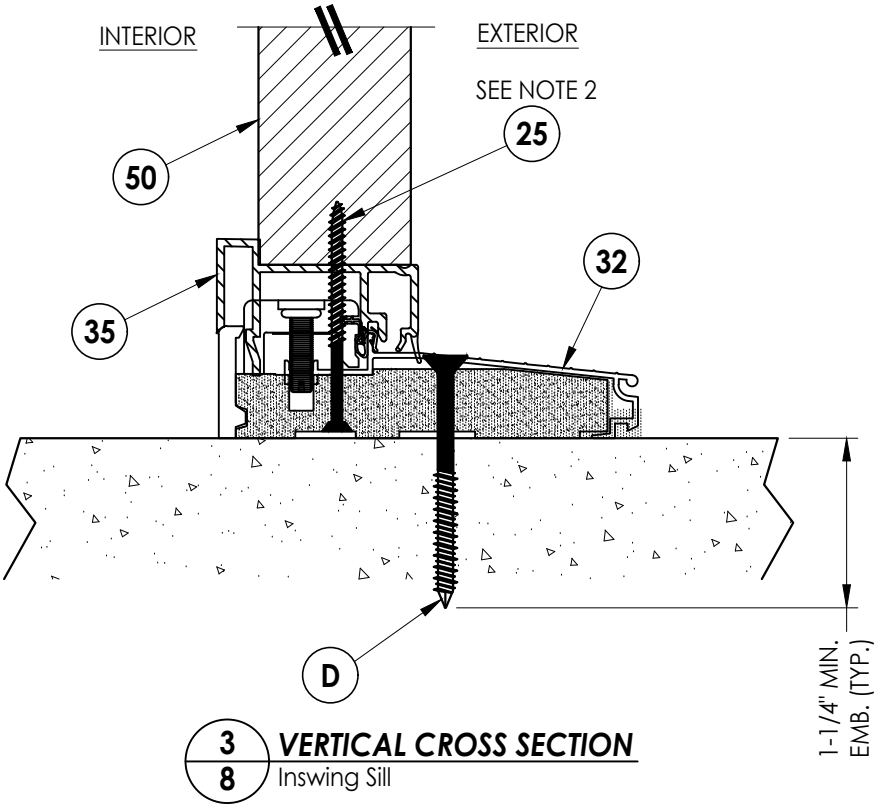


2
8 VERTICAL CROSS SECTION
Outswing Sill

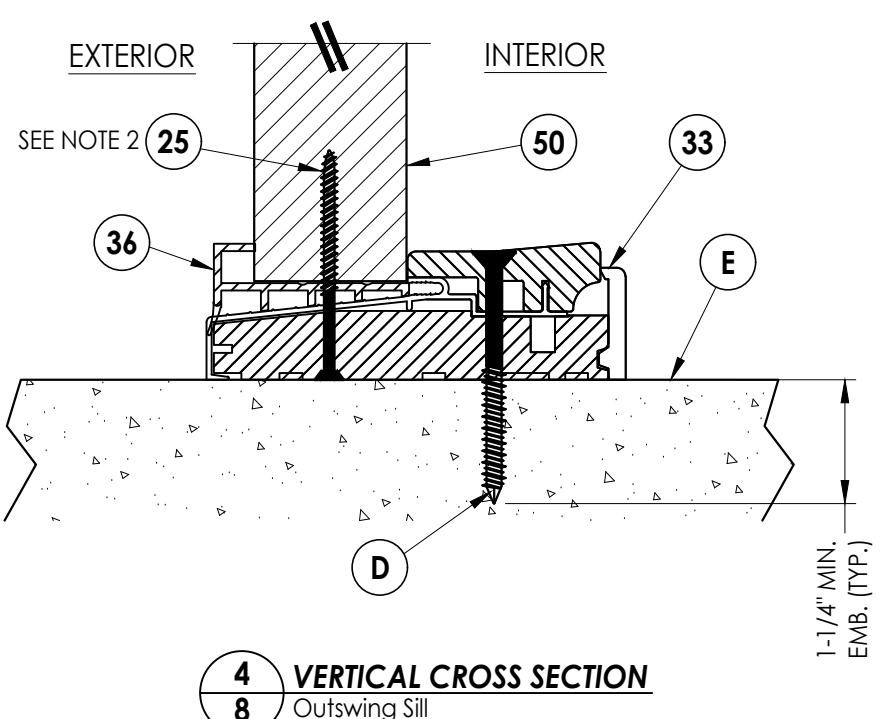
Notes:
1. Sill Item #32 is attached to jambs w/ (3) #8 X 2-1/2" pph screws at each end.
Sill Item #33 is attached to jambs w/ (2) #8 X 2-1/2" pph screws at each end.
Sill Item #34 is attached to jambs utilizing (2) #10 X 2" pph SMS at each end.
2. Sidelite assembly screws located 3" from each end and @ centerline
(3 screws along sill).



5
8 VERTICAL CROSS SECTION
Outswing Sill



3
8 VERTICAL CROSS SECTION
Inswing Sill



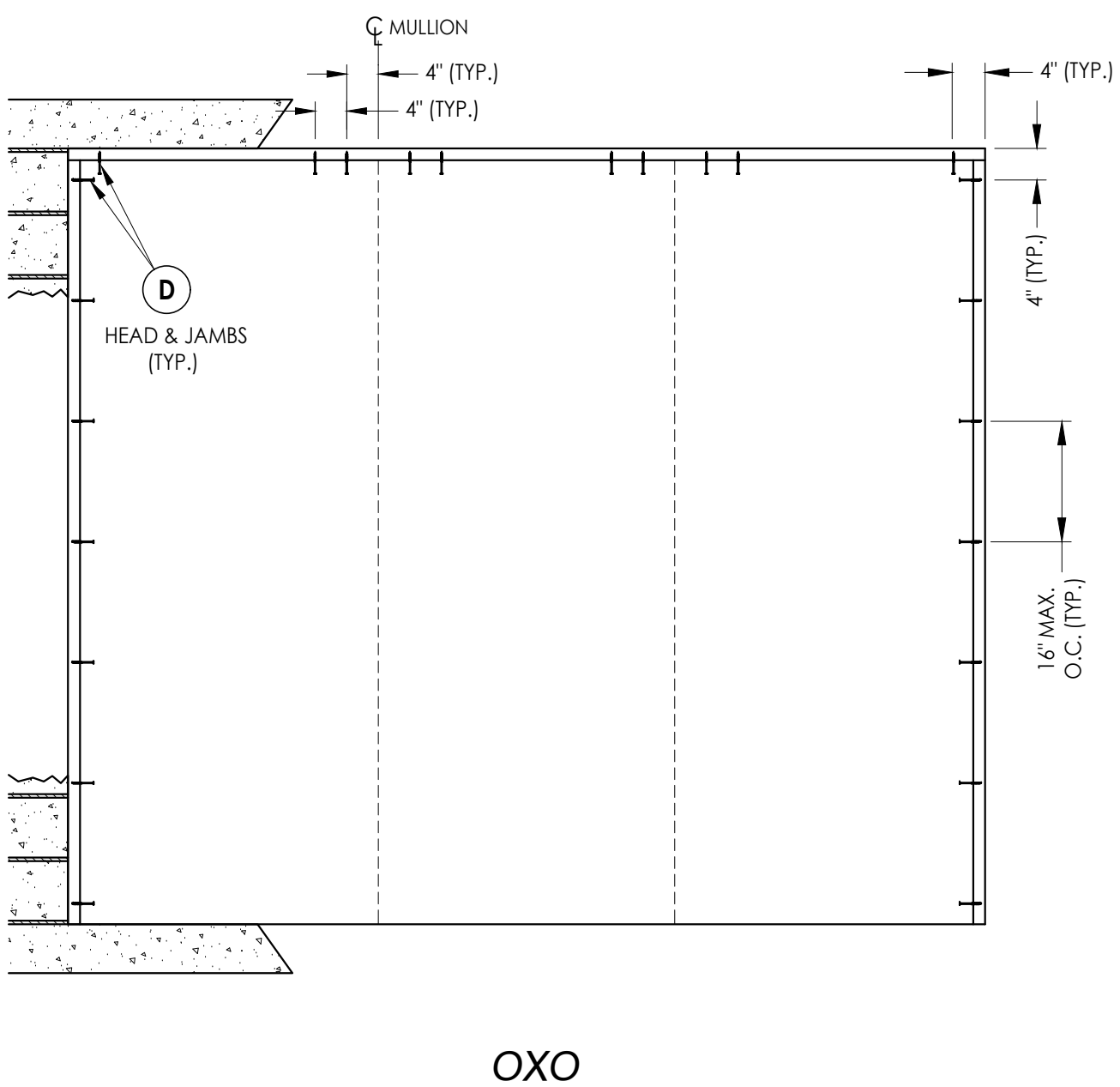
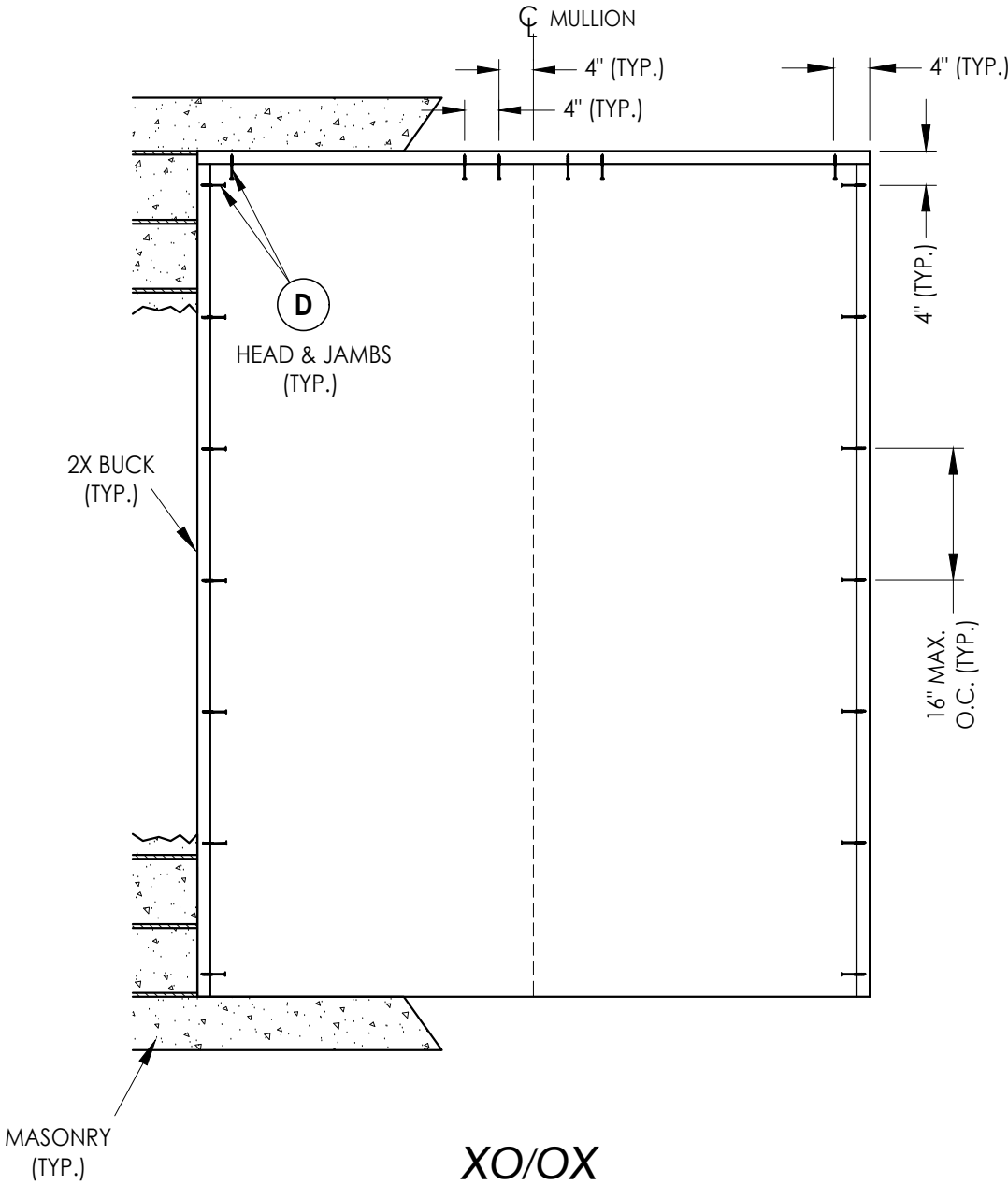
4
8 VERTICAL CROSS SECTION
Outswing Sill

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:		VERTICAL CROSS SECTIONS (THRESHOLDS)	
NO.	DATE	REVISIONS	
		DATE	BY
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC
1	7/27/23	UPDATE TO 8TH ED. (2023)	FBC
DATE			
DATE: 5/25/21			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-37183.11			
SHEET 8 OF 13			

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2X BUCK ANCHORING

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				REVISIONS	
		2		7/01/26	UPDATE TO 9TH ED. (2026)
		1		7/27/23	UPDATE TO 8TH ED. (2023)
		NO.		DATE	
		BY			
DATE: 5/25/21					
SCALE: N.T.S.					
DWG. BY: RW					
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DRAWING NO.: FL-37183.11					
SHEET 9 OF 13					

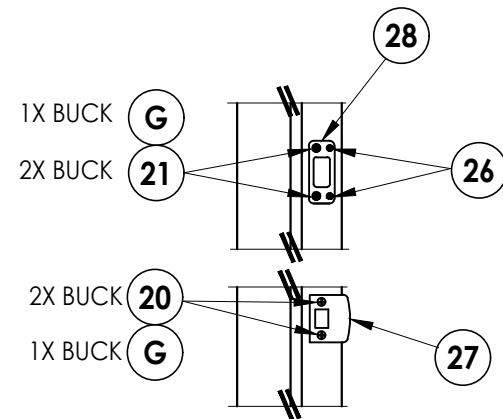
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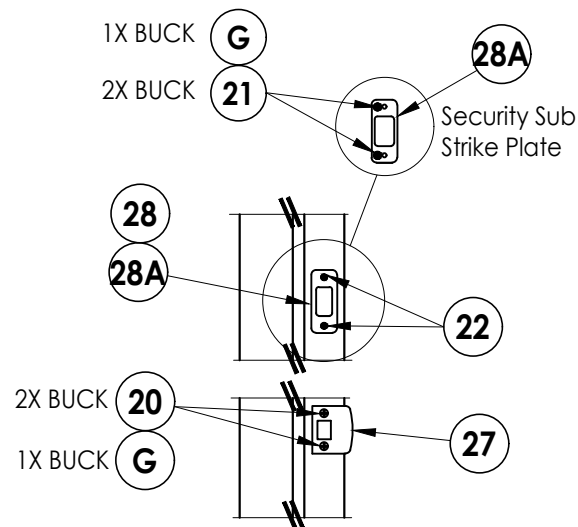
P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

FBPE Registry No. 9813

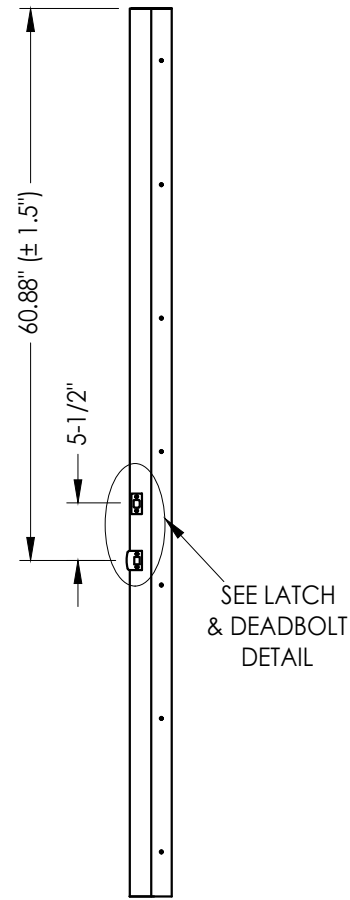


LATCH & DEADBOLT DETAIL
Kwikset

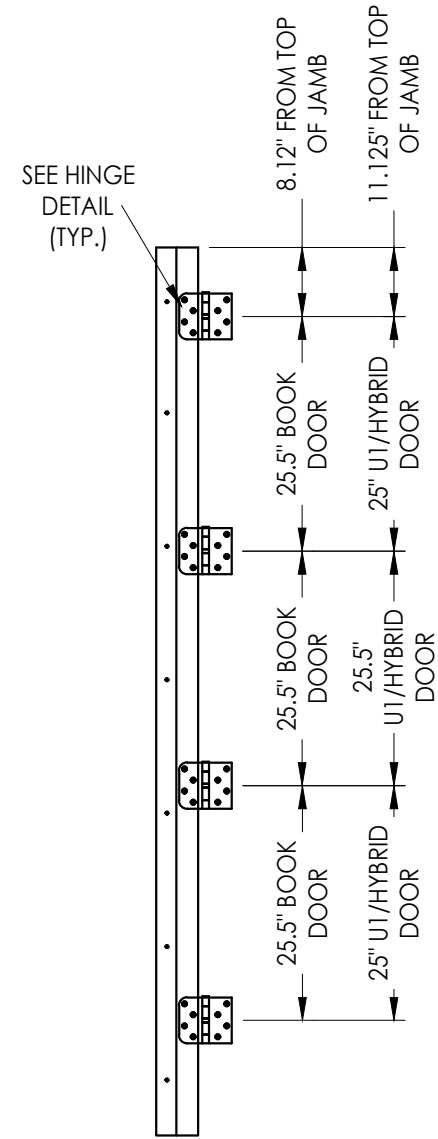


LATCH & DEADBOLT DETAIL
Schlage

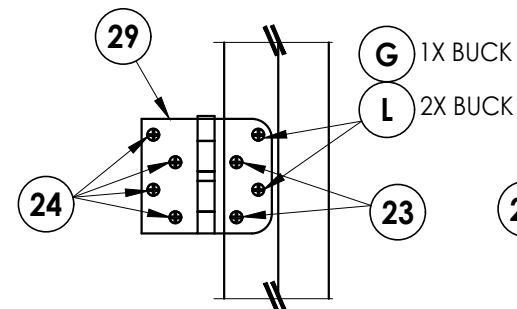
LATCH & DEADBOLT STRIKE DETAILS



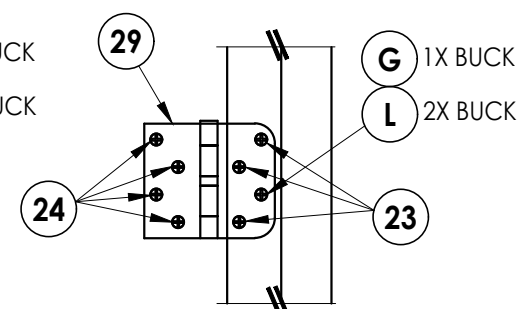
STRIKE JAMB
Latch & Deadbolt



HINGE JAMB



HINGE DETAIL Inswing



HINGE DETAIL

Outswing

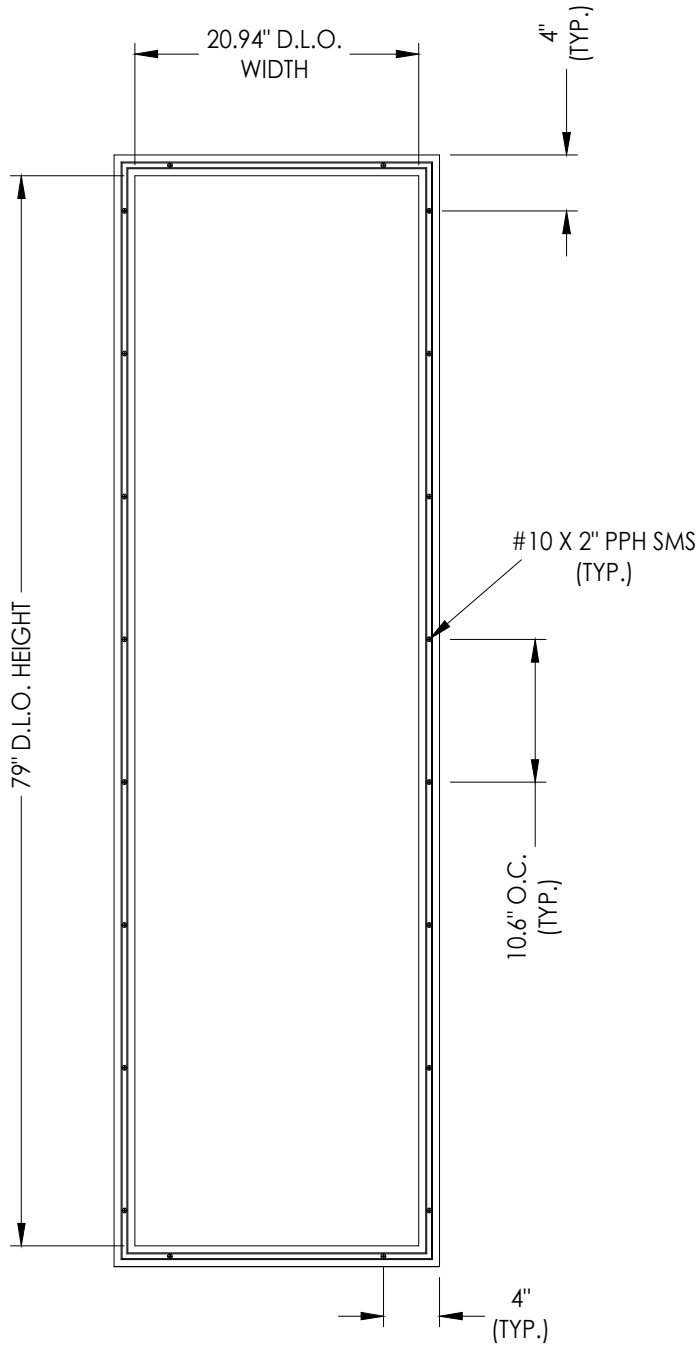
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1	7/27/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
NO.	DATE				BY
					REVISIONS

DATE:	5/25/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-37183.11
SHEET	11 OF 13

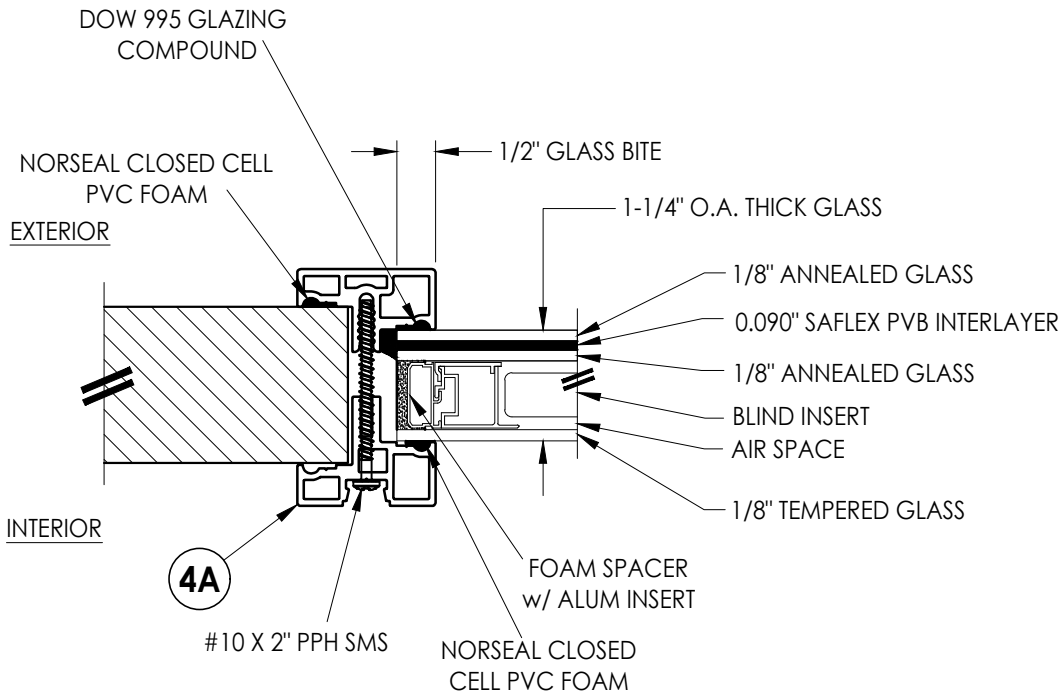
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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FBPE Registry No. 9813

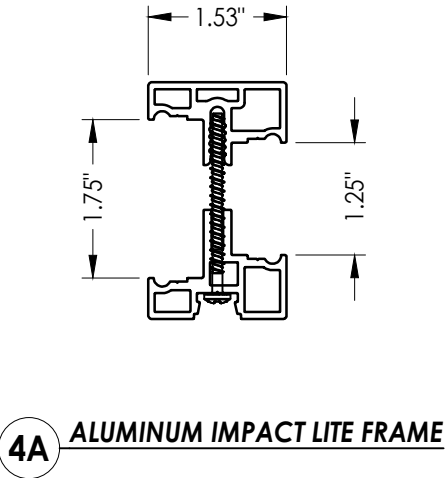
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8'-0" LITE FRAME
ALUM. (6063-T5)



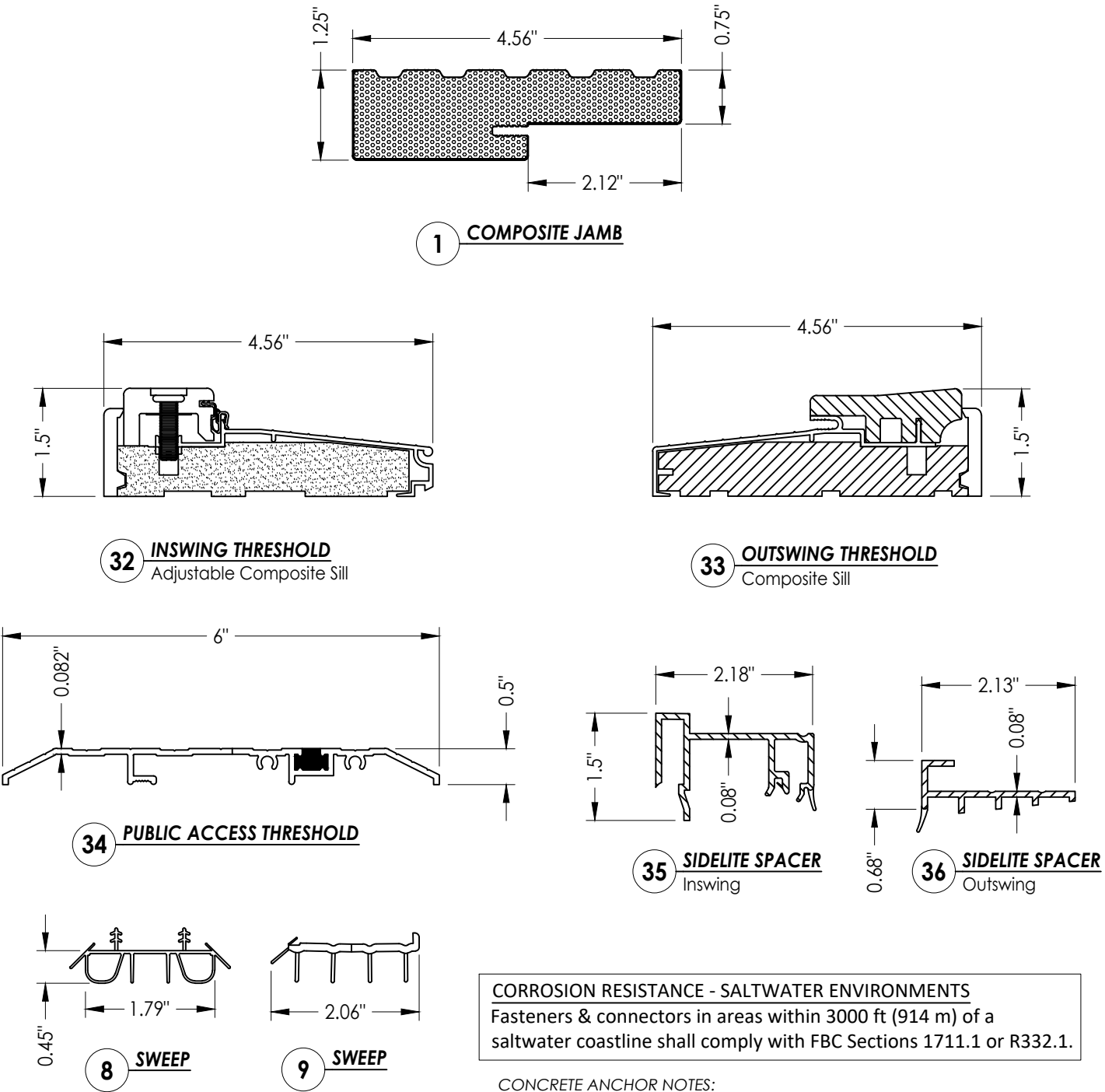
G1 GLAZING DETAIL
1-1/4" Insulated Laminated Glass
w/ Internal Blinds



4A ALUMINUM IMPACT LITE FRAME

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: LITE FRAME & GLAZING DETAILS			
				2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC LFS
				1	7/27/23	UPDATE TO 8TH ED. (2023)	FBC LFS
				NO.	DATE		BY
				REVISIONS			
DATE: 5/25/21							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-37183.11							
SHEET 12 OF 13							

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
I	1/4" X 2-1/4" PFH DeWALT OR 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
Q	#10 X 3" PFH WOOD SCREW (1.75" MIN. EMBEDMENT)	STEEL
R	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL
X	2X REINFORCEMENT (SG >= 0.55)	WOOD
1	COMPOSITE JAMB	COMP
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
9	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL
20	#8 X 2-1/2" PFH WOOD SCREW	STEEL
21	#12 X 1-1/2" PFH WOOD SCREW	STEEL
22	#8 X 3/4" PFH WOOD SCREW	STEEL
23	#9 X 3/4" PFH WOOD SCREW	STEEL
24	#9 X 1" PFH WOOD SCREW	STEEL
25	#9 X 2-1/2" PFH WOOD SCREW	STEEL
26	#8 X 5/8" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
28A	DEADBOLT SUB-STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
32	INSWING THRESHOLD	ALUM/COMP
33	OUTSWING THRESHOLD	ALUM/COMP
34	PUBLIC ACCESS THRESHOLD	ALUM
35	SIDELITE SPACER (INSWING)	VINYL
36	SIDELITE SPACER (OUTSWING)	VINYL
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-
50	SIDELITE PANEL	-



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.

[illegible]