

THERMA-TRU®
DOORS

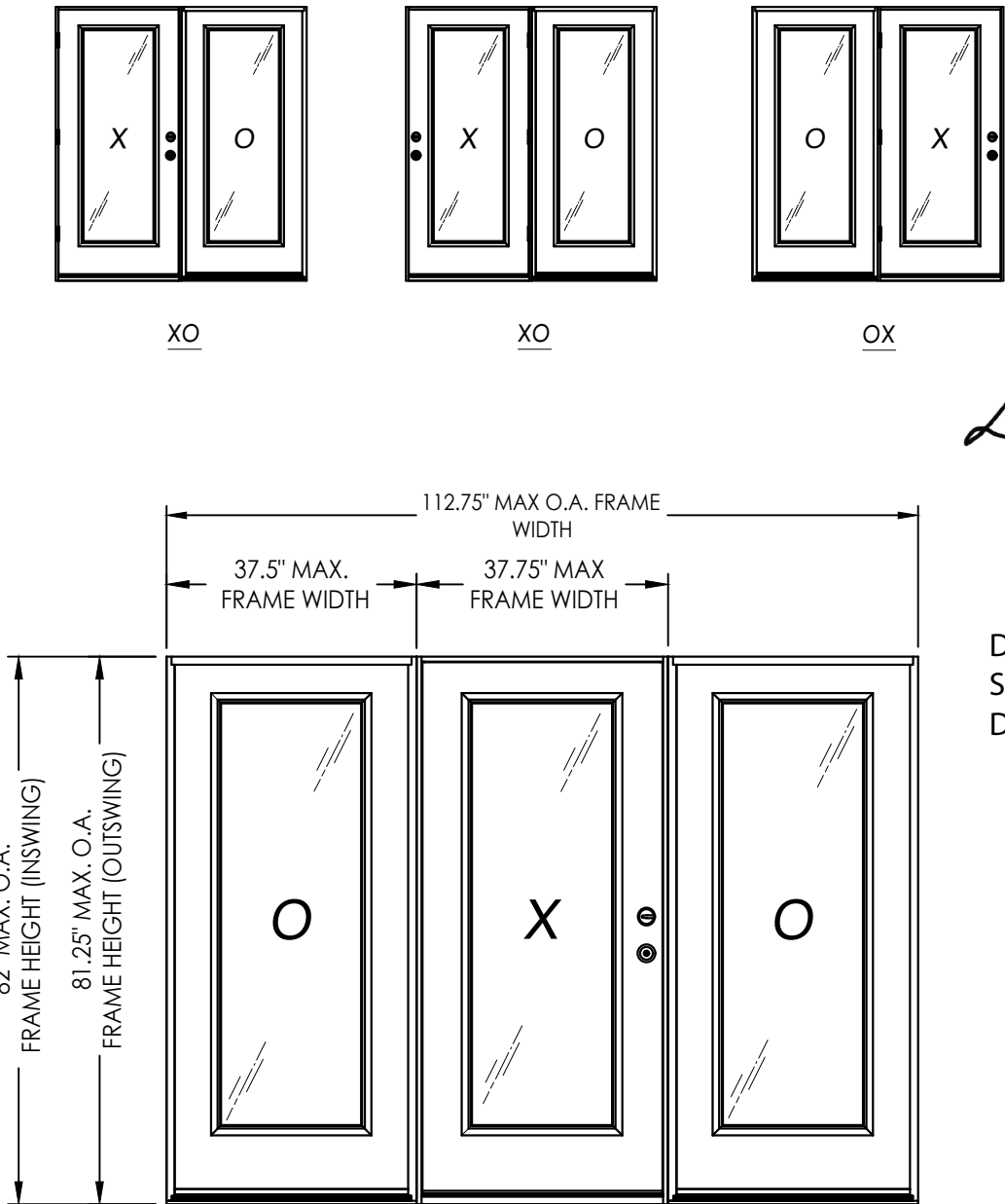
Fiber-Classic® & Smooth-Star®

GLAZED FIBERGLASS SINGLE DOOR
w/ SIDELITE(S)
in a COMPOSITE FRAME
INSWING/OUTSWING
"IMPACT"

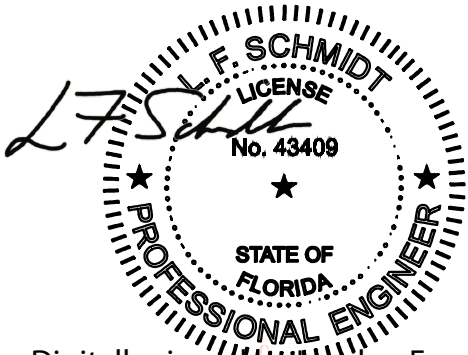
GENERAL NOTES

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.

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



CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XO, OX, OXO	+50.0	-55.0	+50.0	-50.0



Digitally signed by Lyndon F Schmidt
Date: 2026.08.10 12:39:13 -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

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

THERMA-TRU
FIBERGLASS DOOR

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

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: 5/18/21

SCALE: N.T.S.

DWG. BY: RW

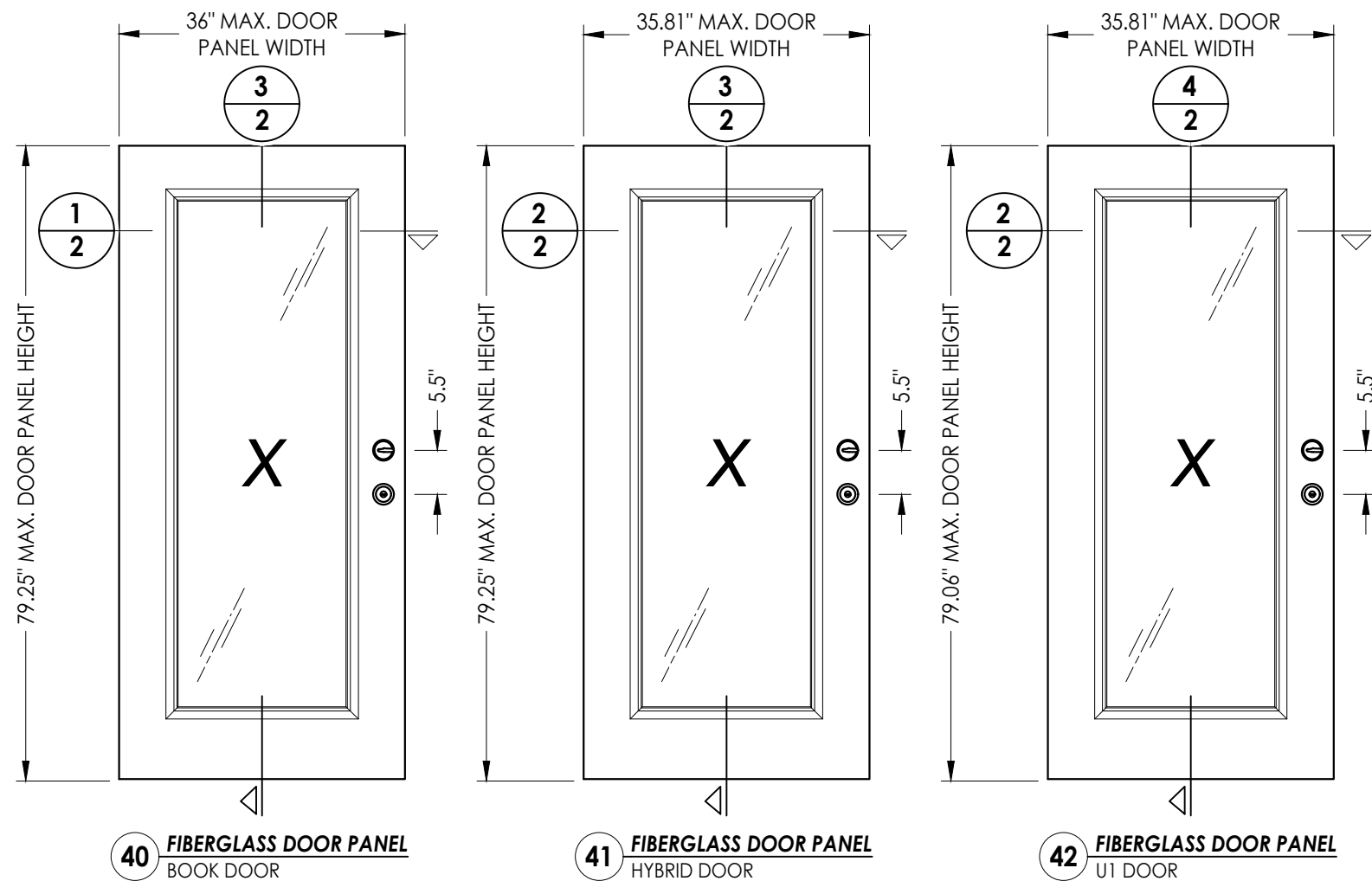
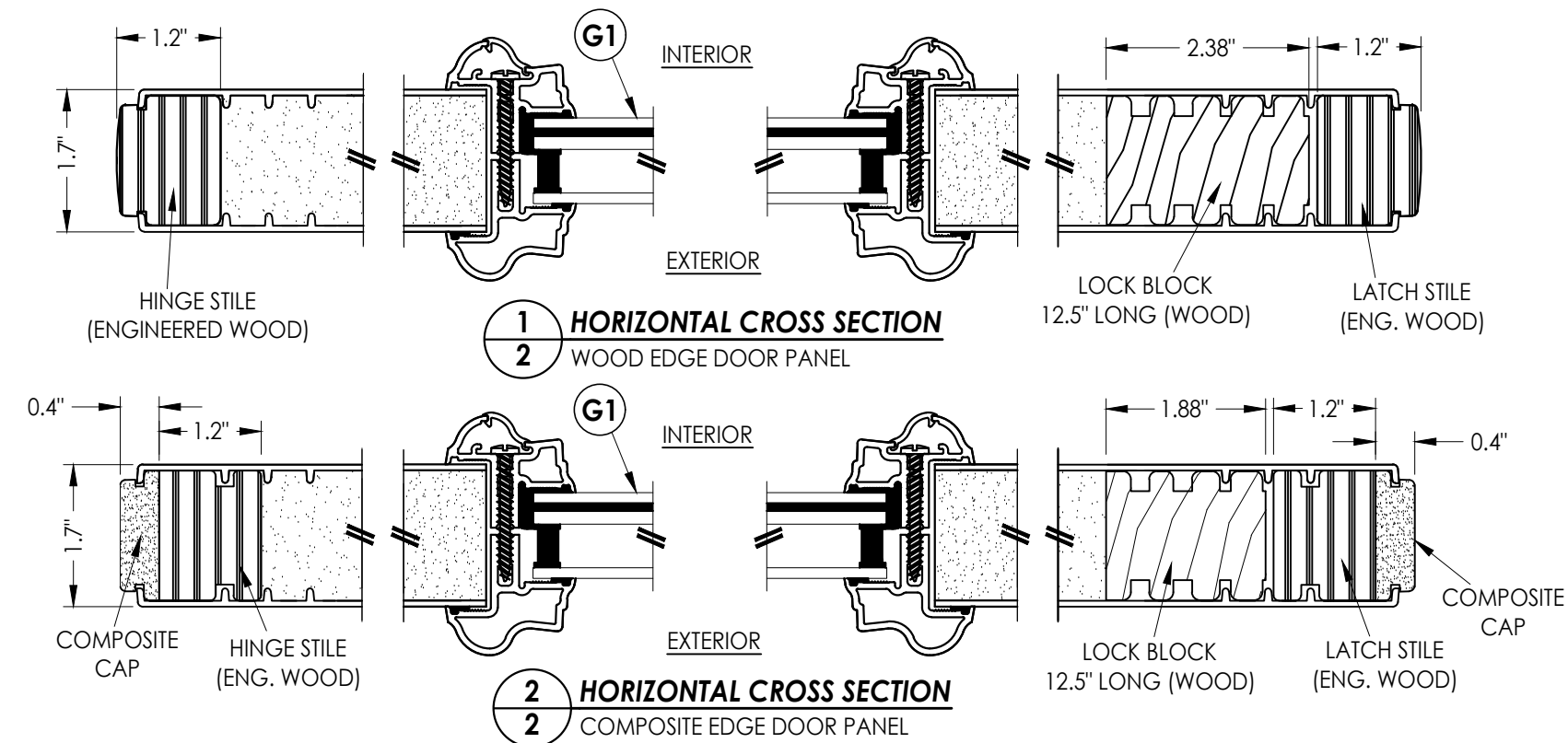
CHK. BY: LFS

DRAWING NO.: FL-37182.5

SHEET 1 OF 12

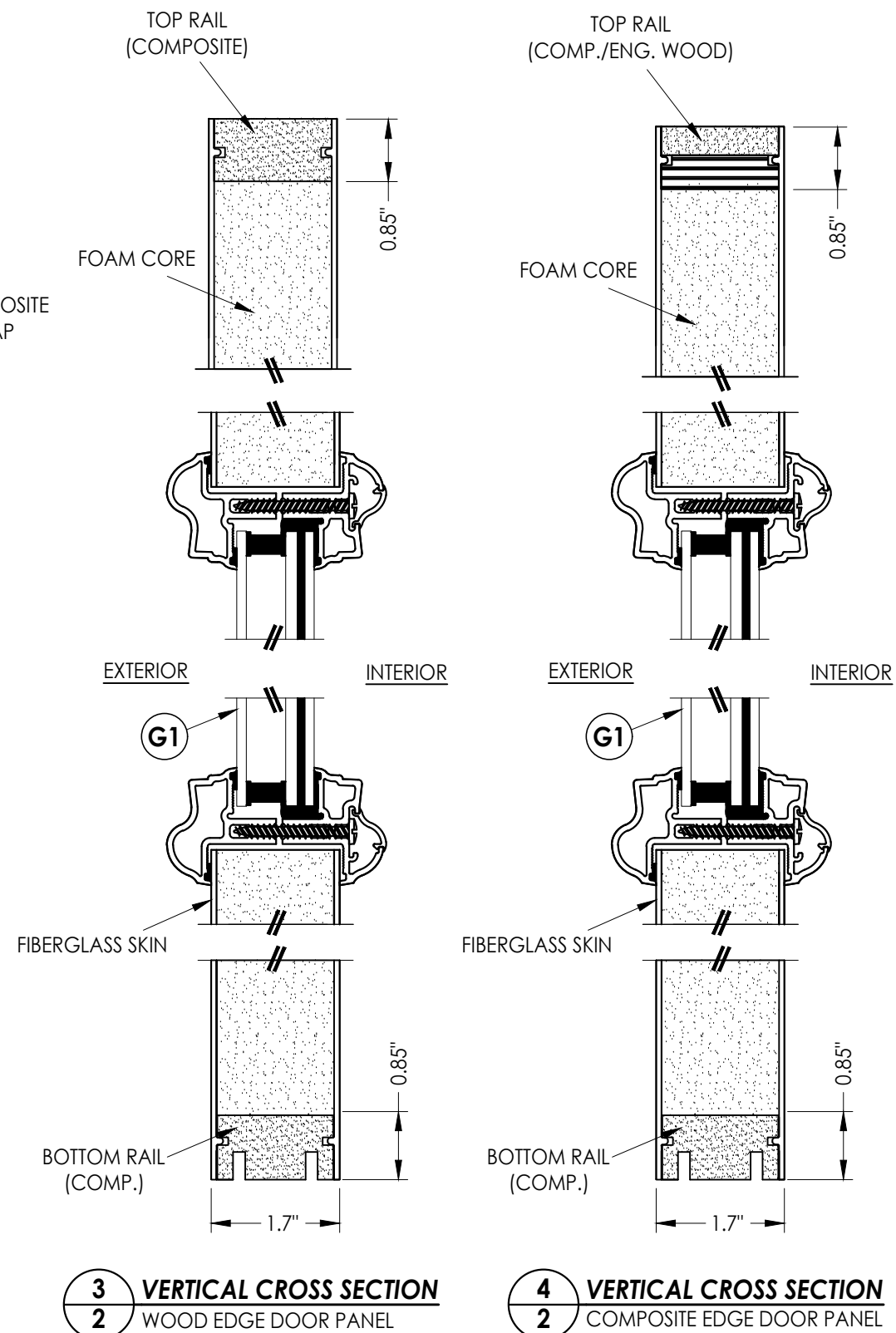
© 2021 R.W. BUILDING CONSULTANTS INC.

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

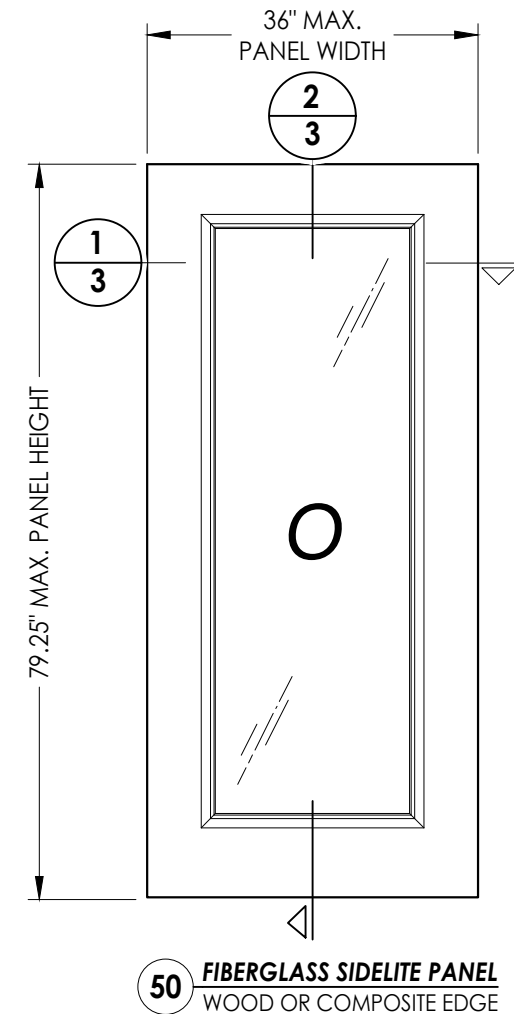
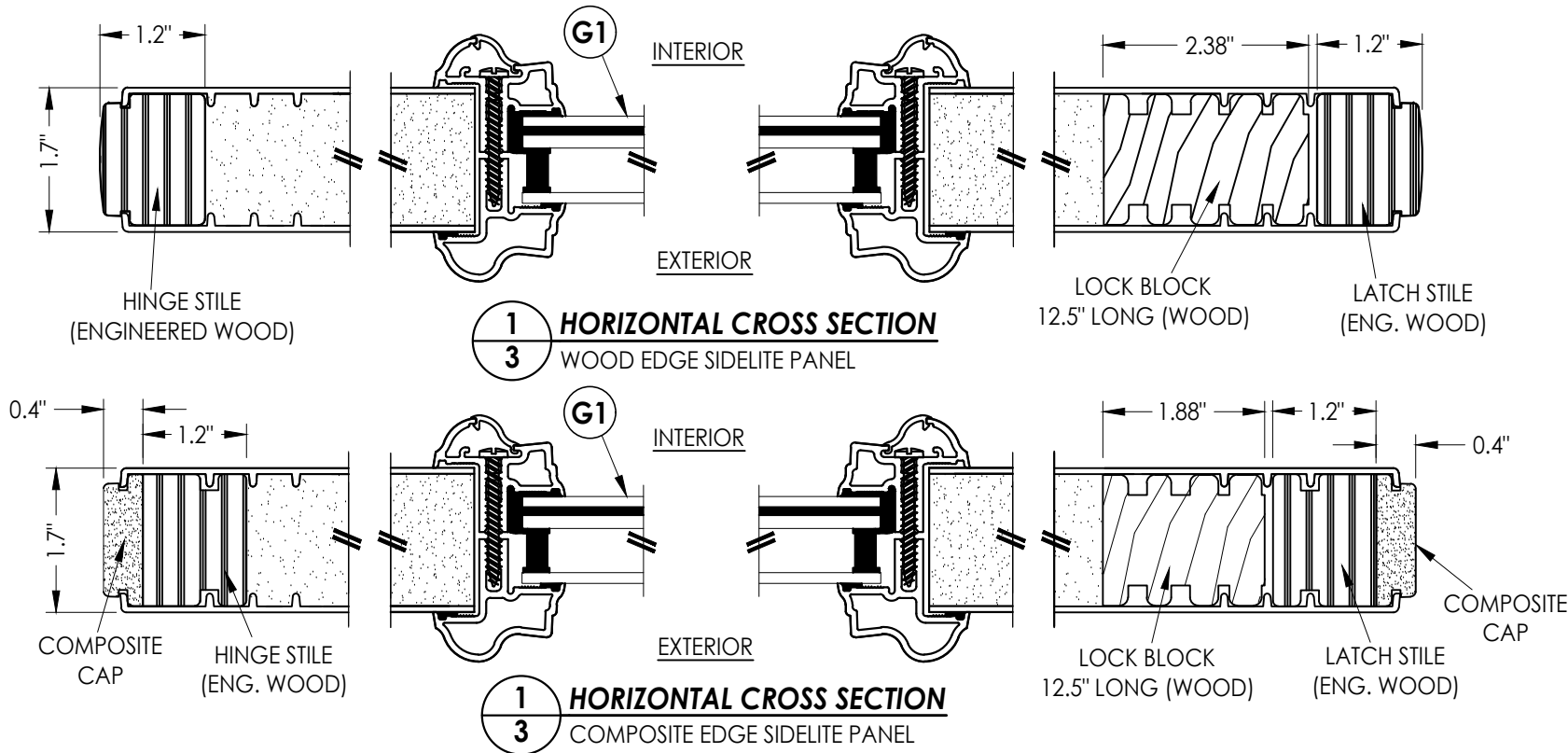


FIBERGLASS SKIN: 0.073" MIN. THK.
FOAM CORE: POLYURETHANE -1.9 PCF MIN.

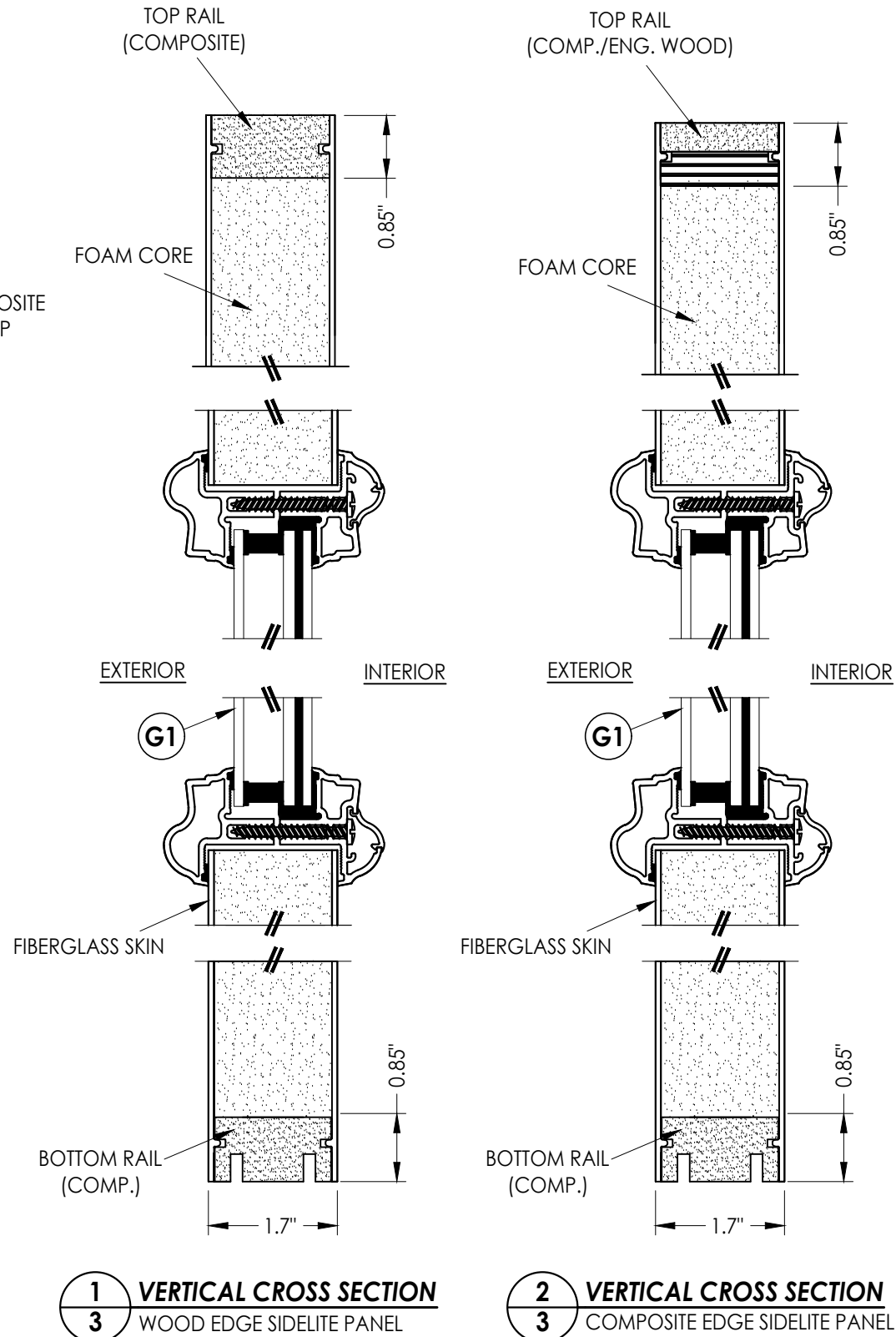
NOTE: BOOK, HYBRID & U1 DOORS
MAY EACH BE FABRICATED AS WOOD
OR COMPOSITE EDGE DOORS.

[illegible]

Z:\2023 FBC Drawings\Therma-Tru\FL-37182 R2\FL-37182.4-6.dwg



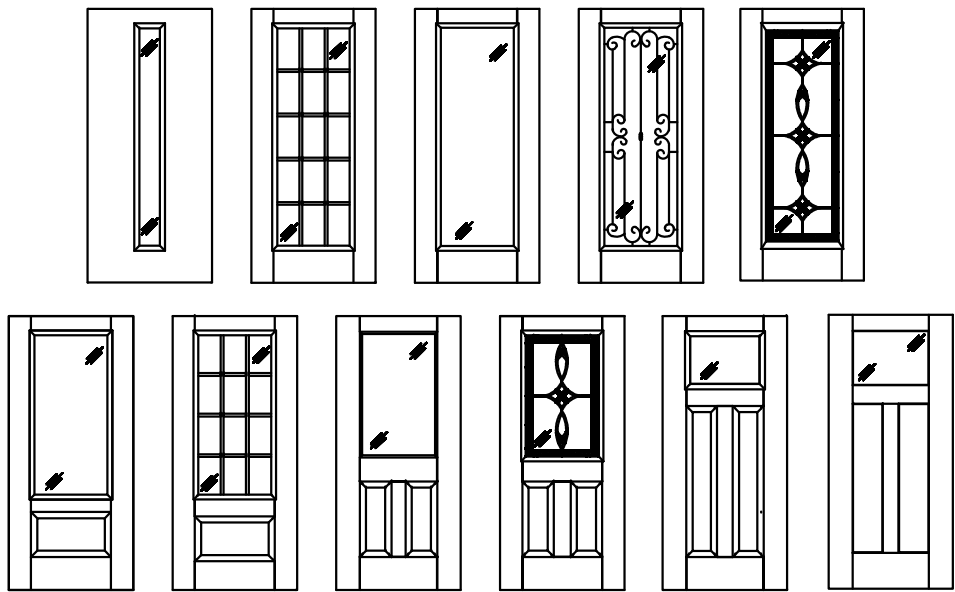
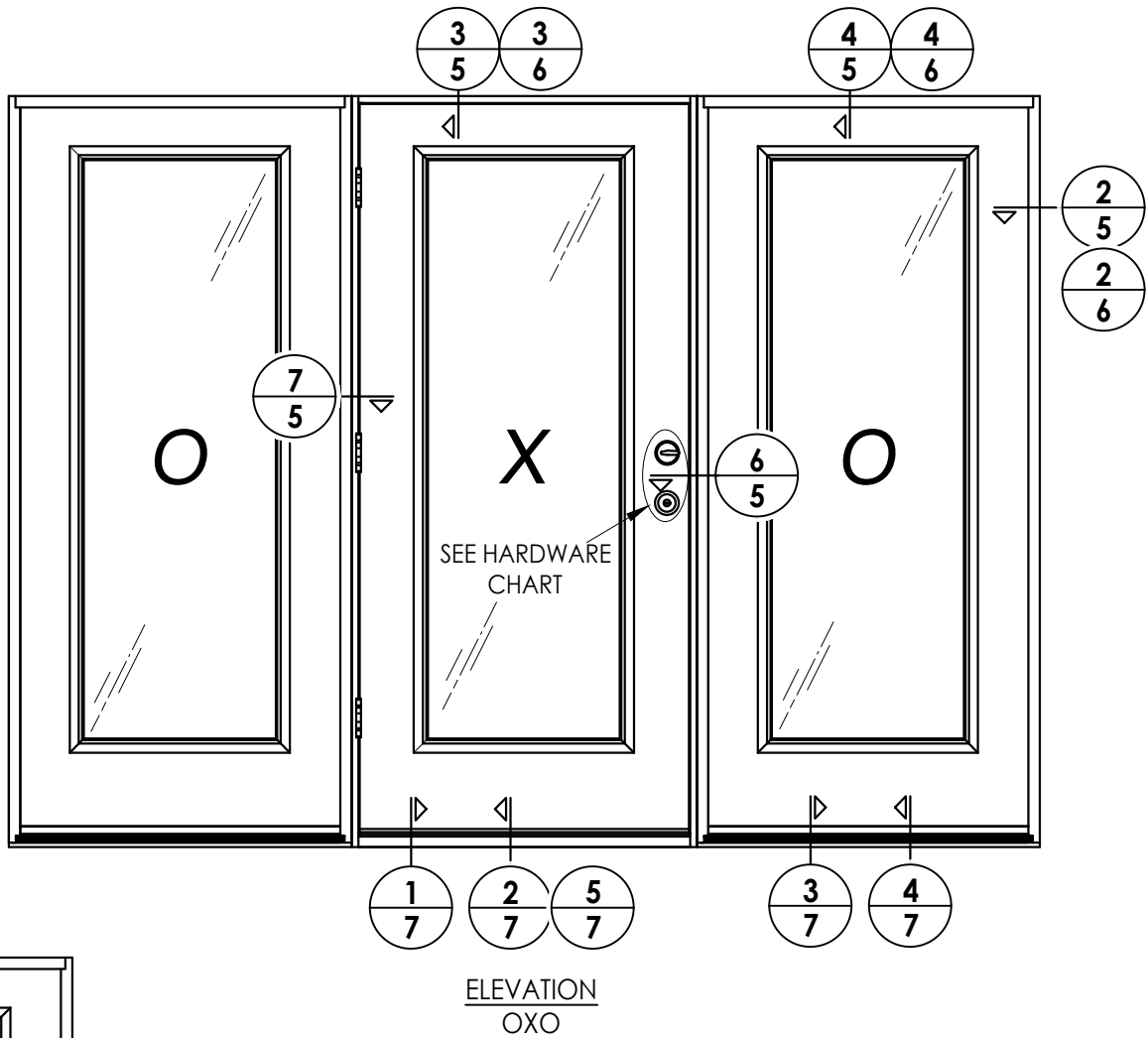
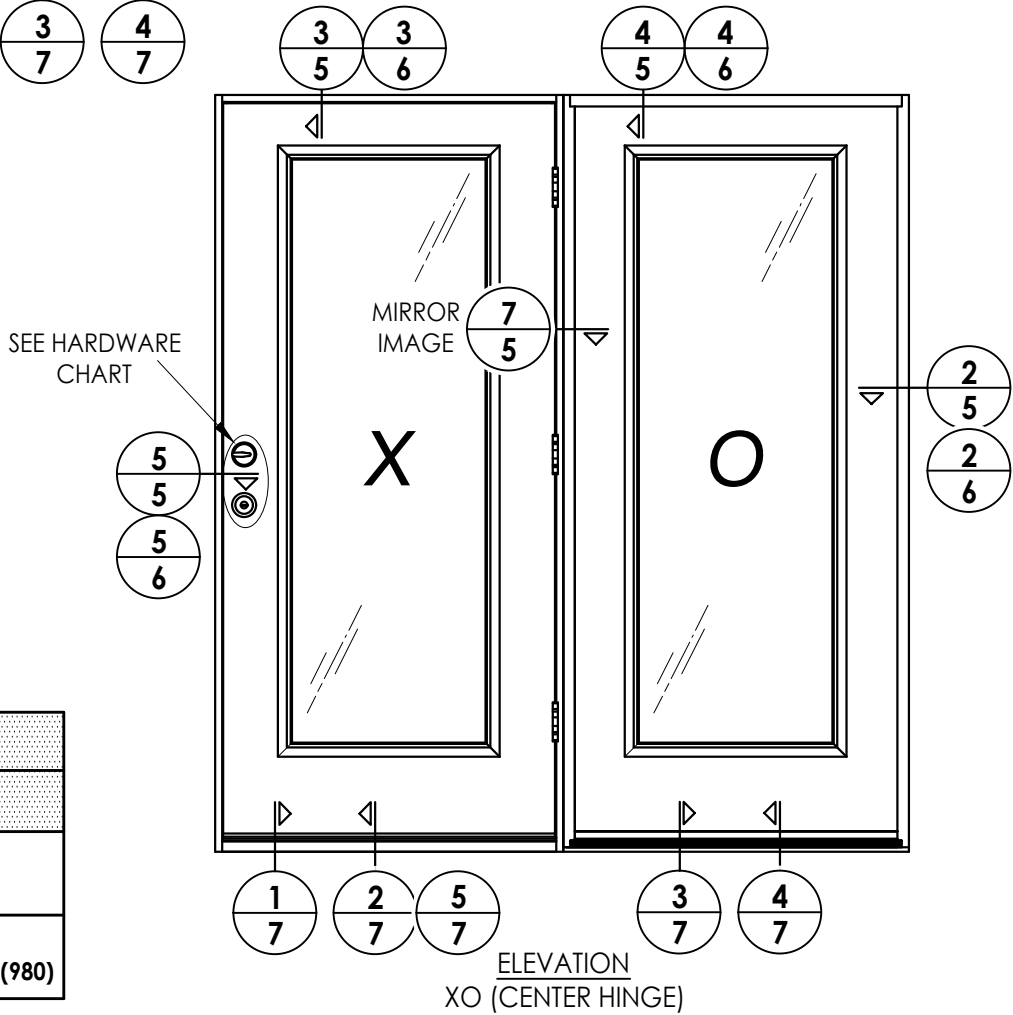
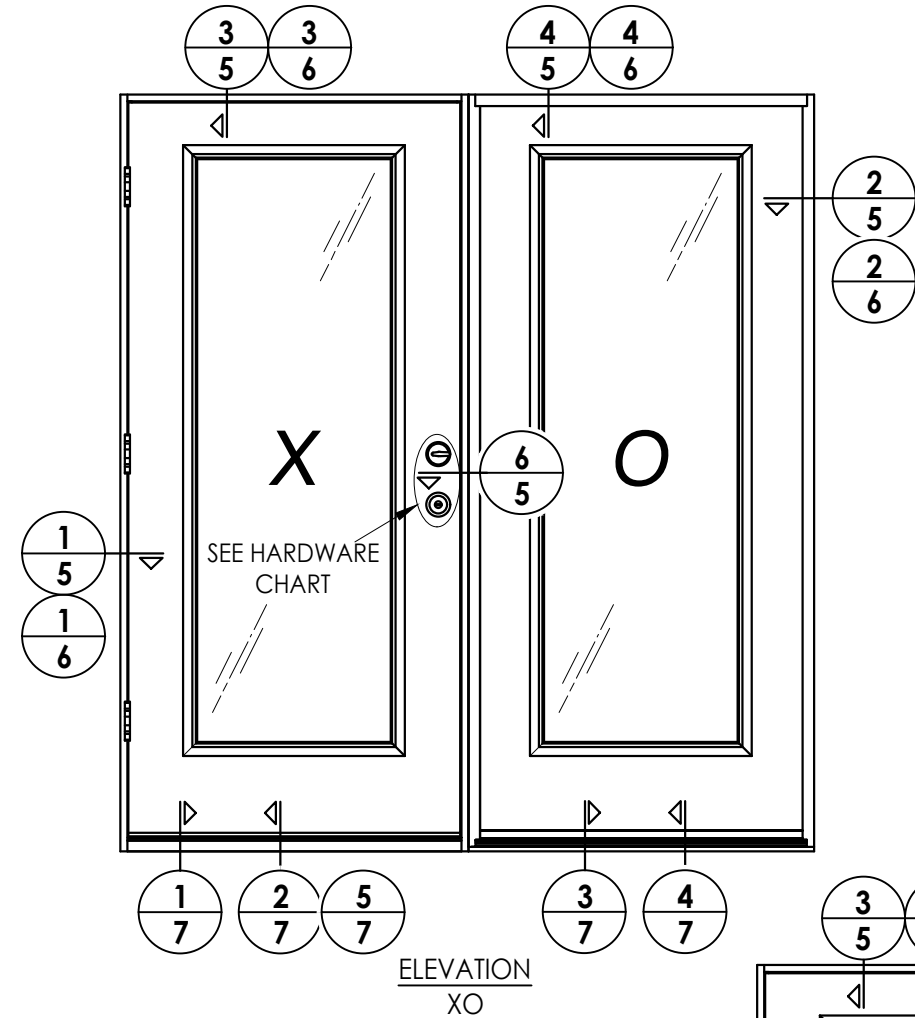
FIBERGLASS SKIN: 0.073" MIN. THK.
FOAM CORE: POLYURETHANE -1.9 PCF MIN.



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	BY
		UPDATE TO 9TH ED. (2026) FBC	
		UPDATE TO 8TH ED. (2023) FBC	
		NO. DATE	
REVISIONS			
DATE: 5/18/21			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-37182.5			
SHEET 3 OF 12			

Z:\2023 FBC Drawings\Therma-Tru\FL-37182 R2\FL-37182.4-6.dwg

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

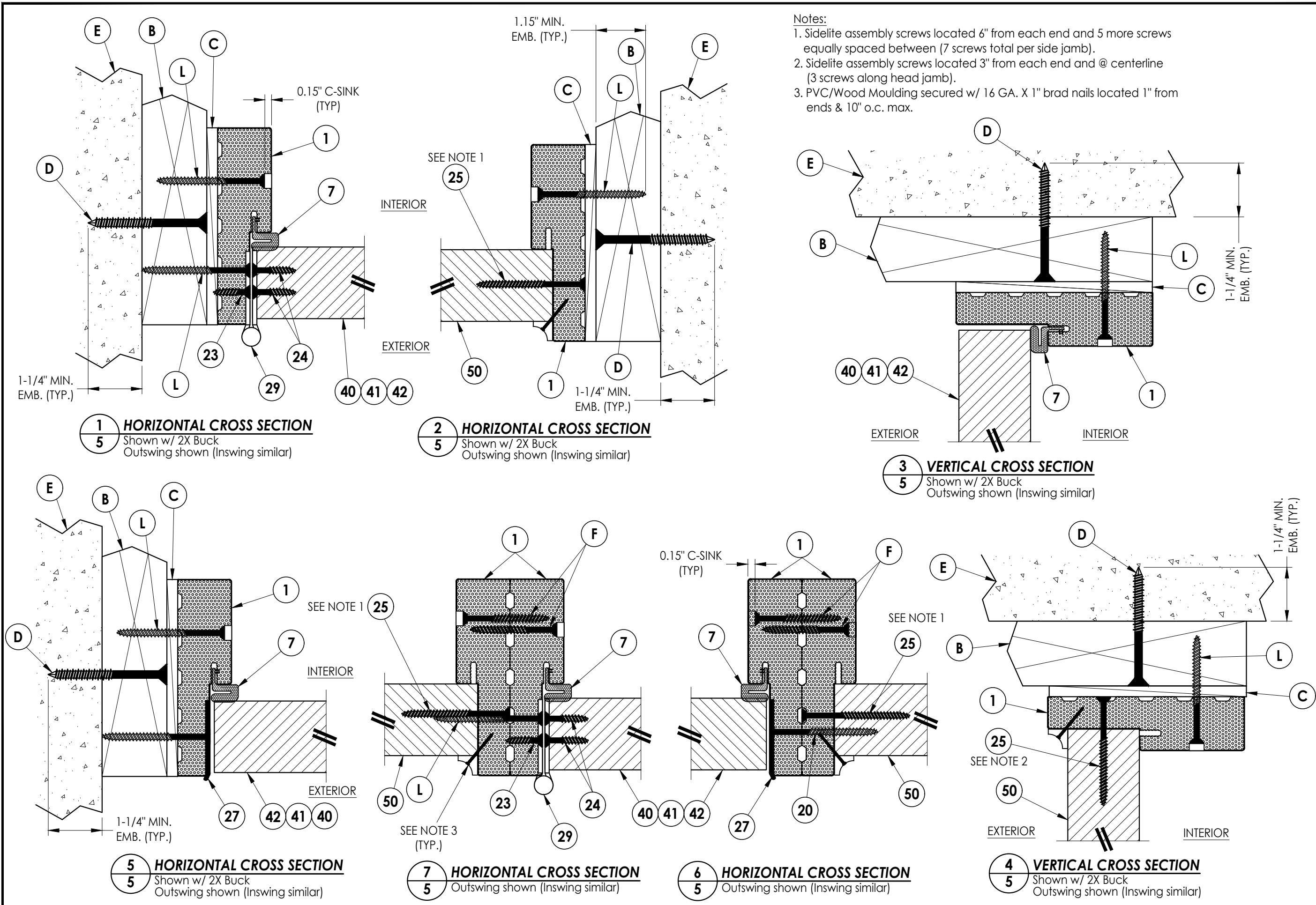


Fiber-Classic/Smooth-Star Door Panel Options
Products approved include all embossed and recessed panel doors.
Similar glazed panel configurations are allowed.
Panels shown are for illustration and are representative only.

PRODUCT:		PART OR ASSEMBLY:	
THERMA-TRU		ELEVATIONS	
FIBERGLASS DOOR			
		LFS	BY
		FBC	
2	7/01/26	UPDATE TO 9TH ED. (2026)	
1	7/27/23	UPDATE TO 8TH ED. (2023)	
NO.	DATE		
REVISIONS			
DATE: 5/18/21			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-37182.5			
SHEET 4 OF 12			

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



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

R^W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33486
Phone No.: 813.659.9197
FBPE Registry No. 9813

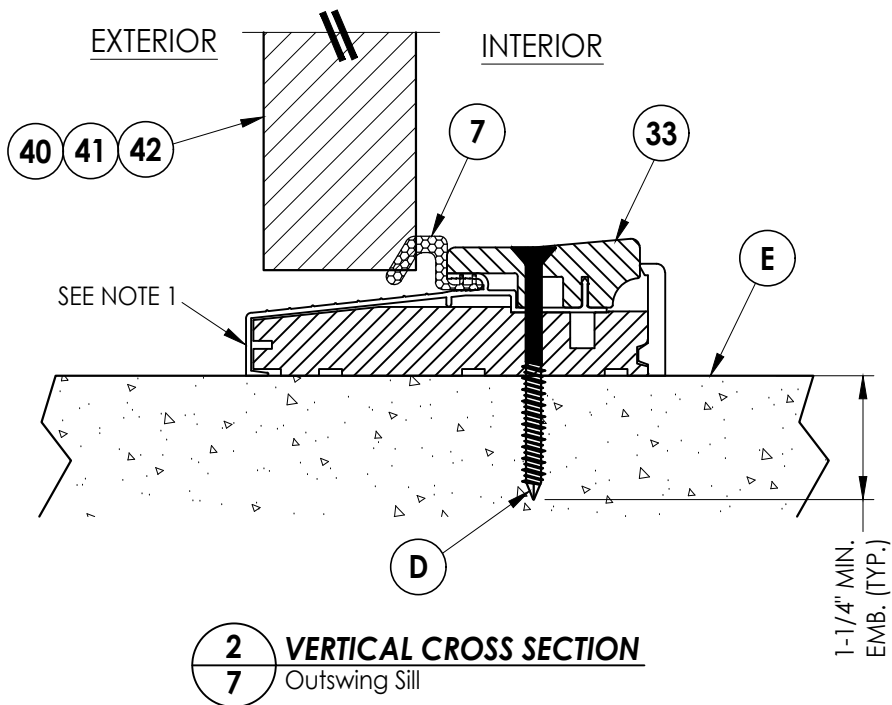
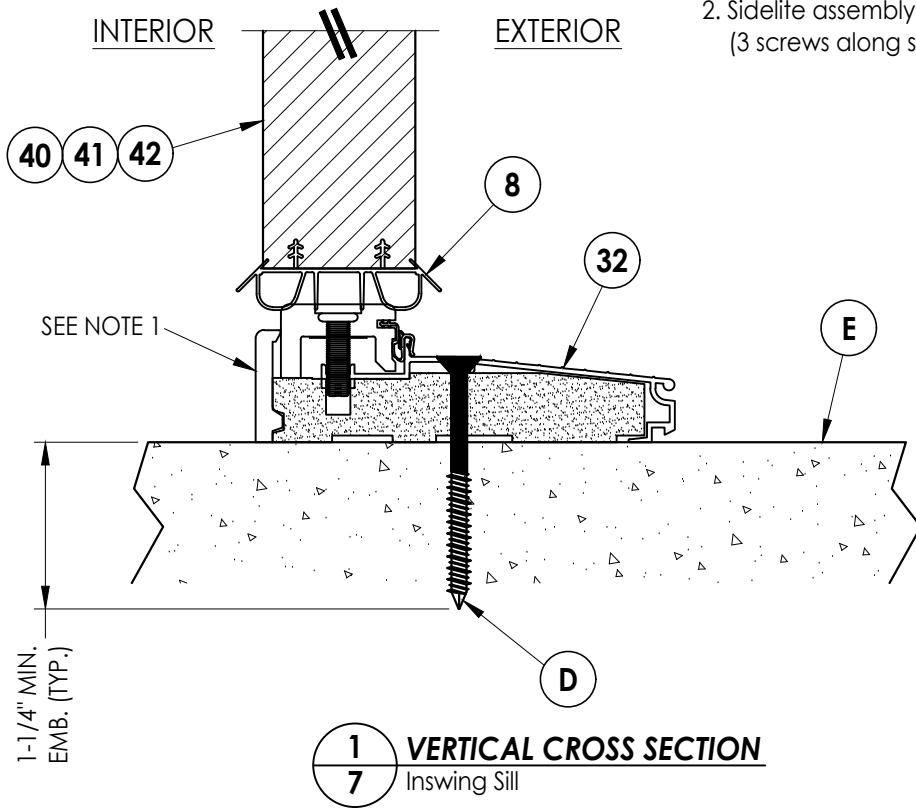
PRODUCT: THERMA-TRU
FIBERGLASS DOOR

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

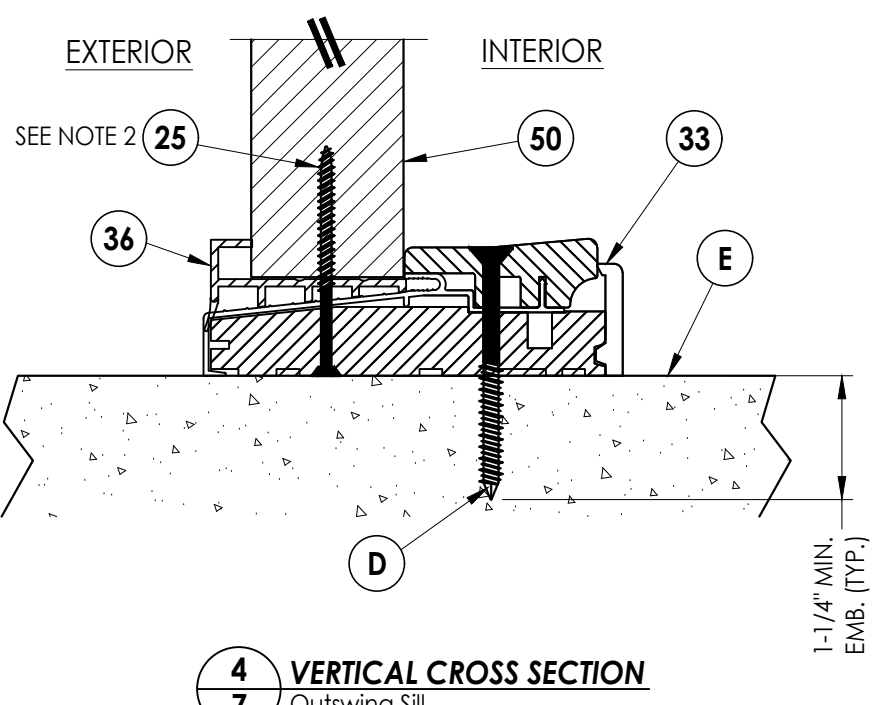
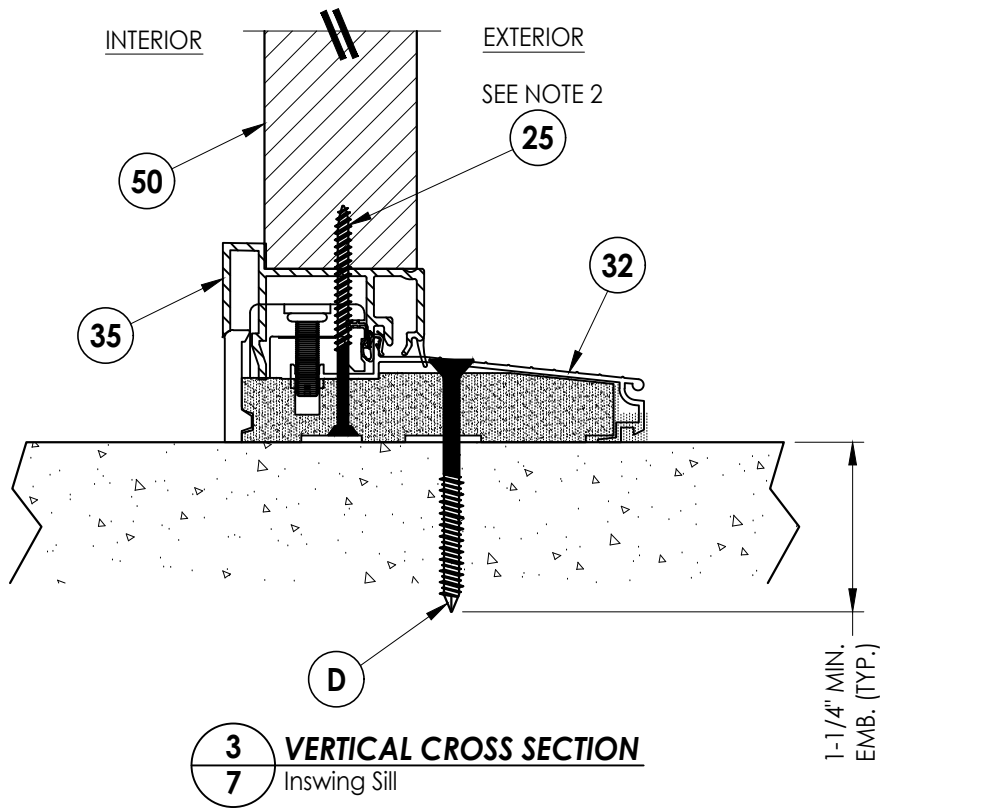
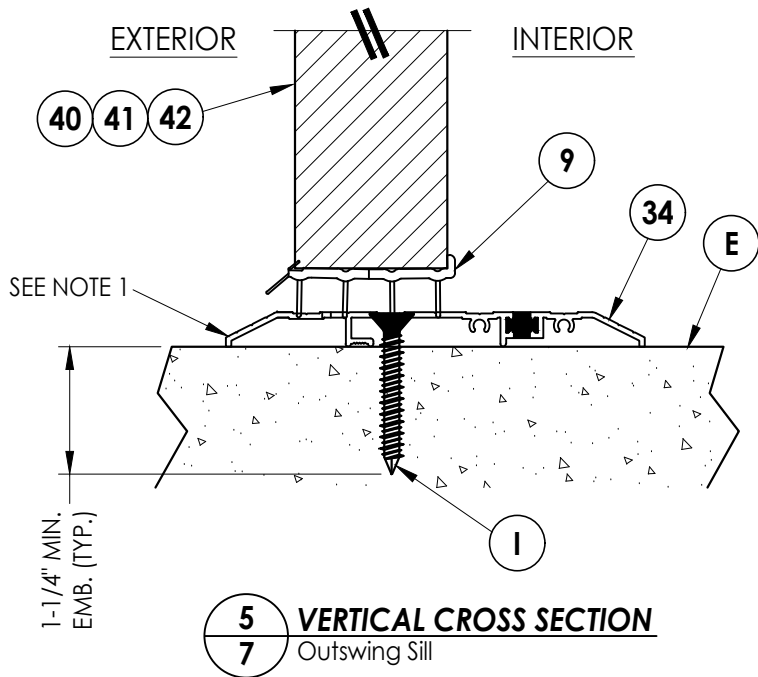
2	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS	
1	7/27/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS	
NO.	DATE					BY
					REVISIONS	
DATE: 5/18/21						
SCALE: N.T.S.						
DWG. BY: RW						
CHK. BY: LFS						
DRAWING NO.: FL-37182.5						
SHEET 5 OF 12						

© 2021 R.W. BUILDING CONSULTANTS INC.

Z:\2023 FBC Drawings\Therma-Tru\FL-37182 R2\FL-37182.4-6.dwg



- Notes:
- 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.
 - Sidelite assembly screws located 3" from each end and @ centerline (3 screws along sill).

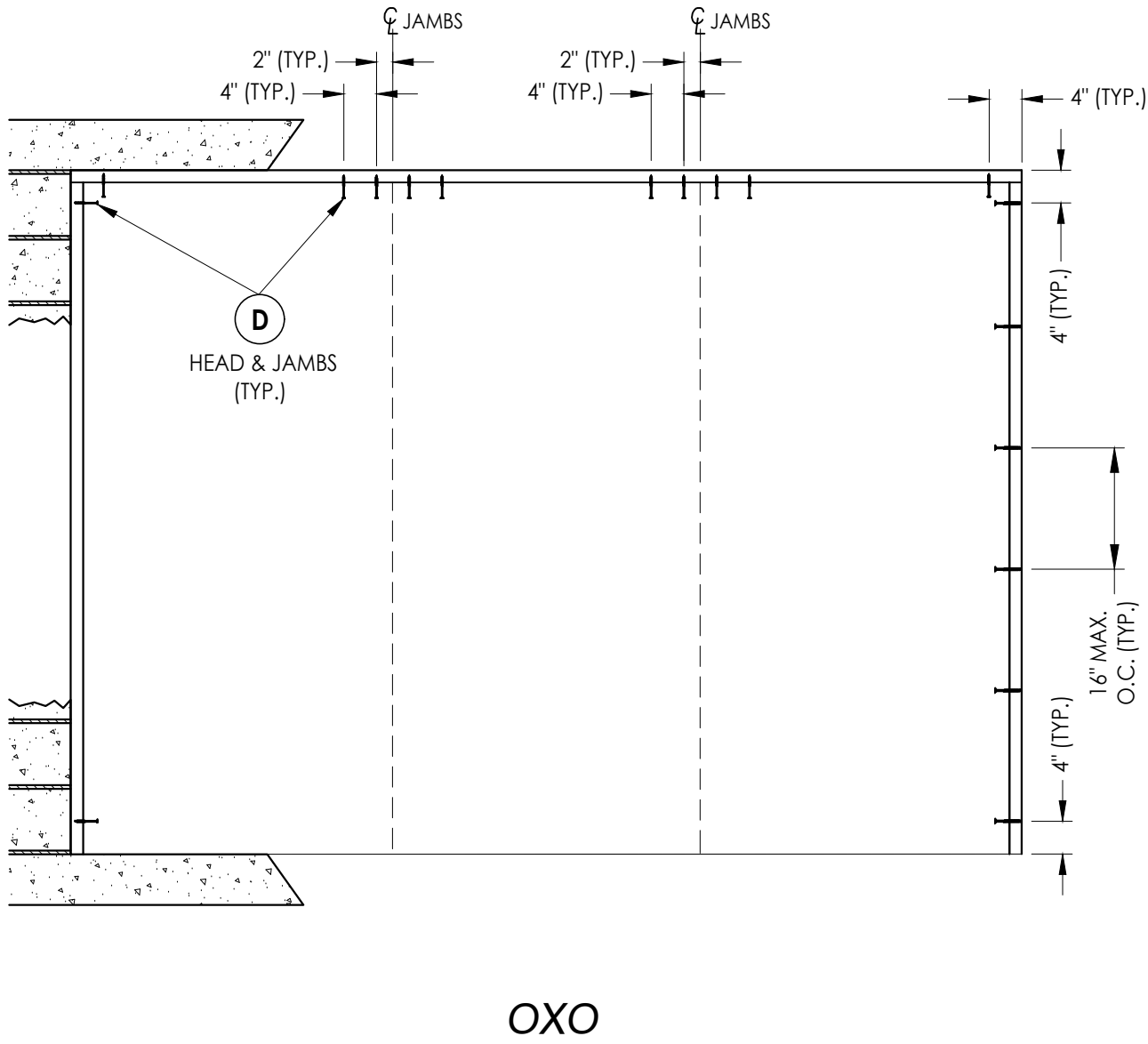
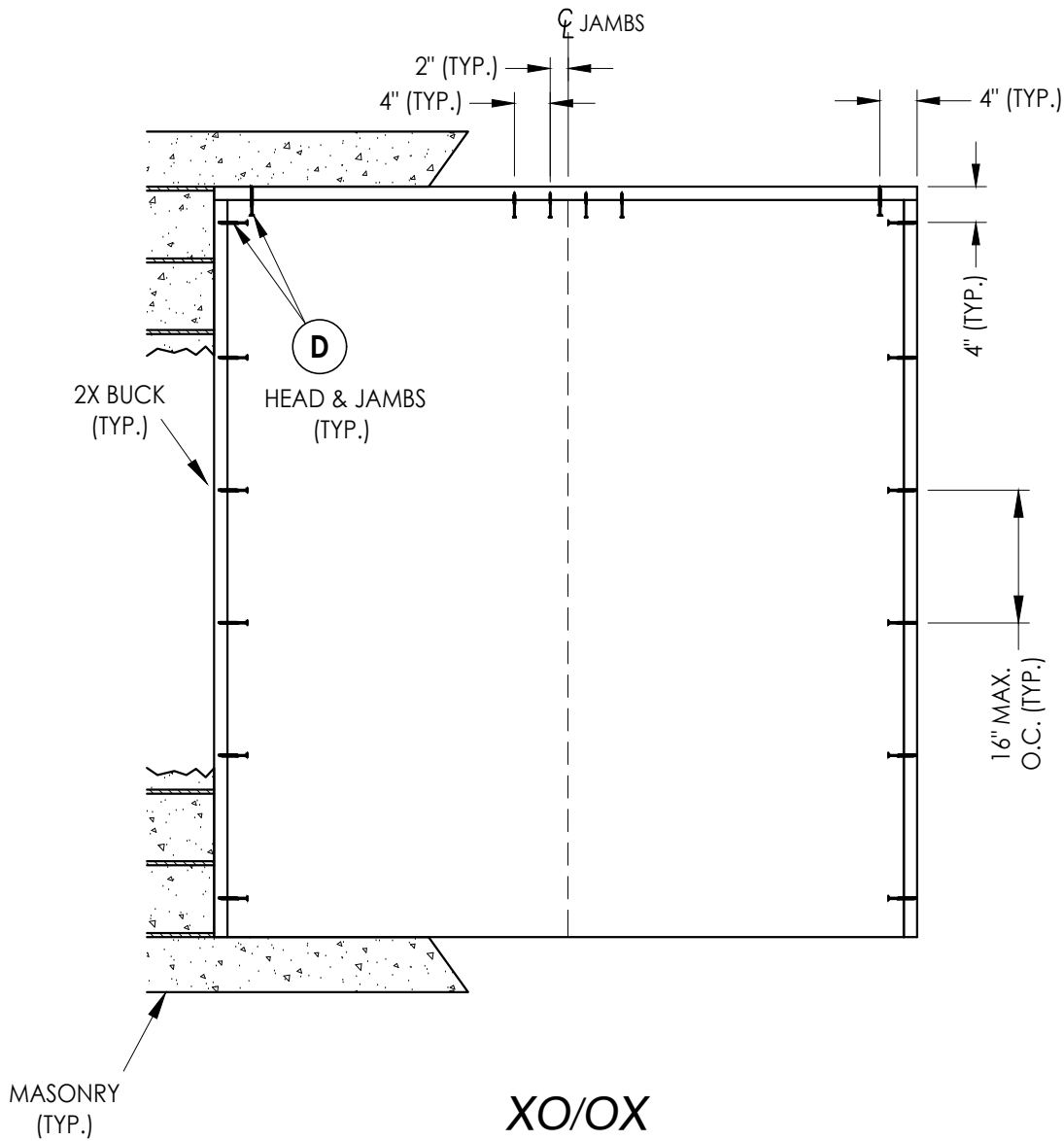


Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.

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

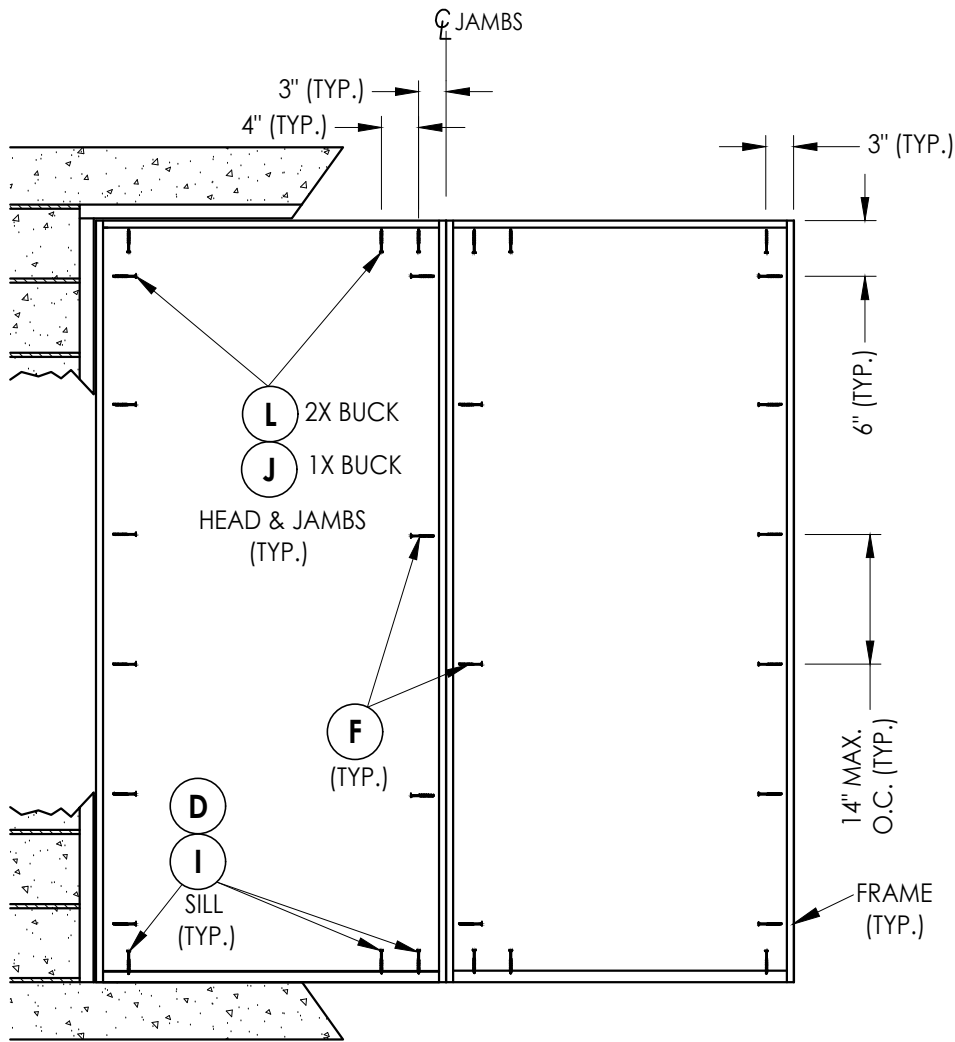
PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS (THRESHOLDS)	
NO.	DATE	REVISIONS	
		DATE	BY
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC
1	7/27/23	UPDATE TO 8TH ED. (2023)	FBC
DATE			
DATE: 5/18/21			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-37182.5			
SHEET 7 OF 12			



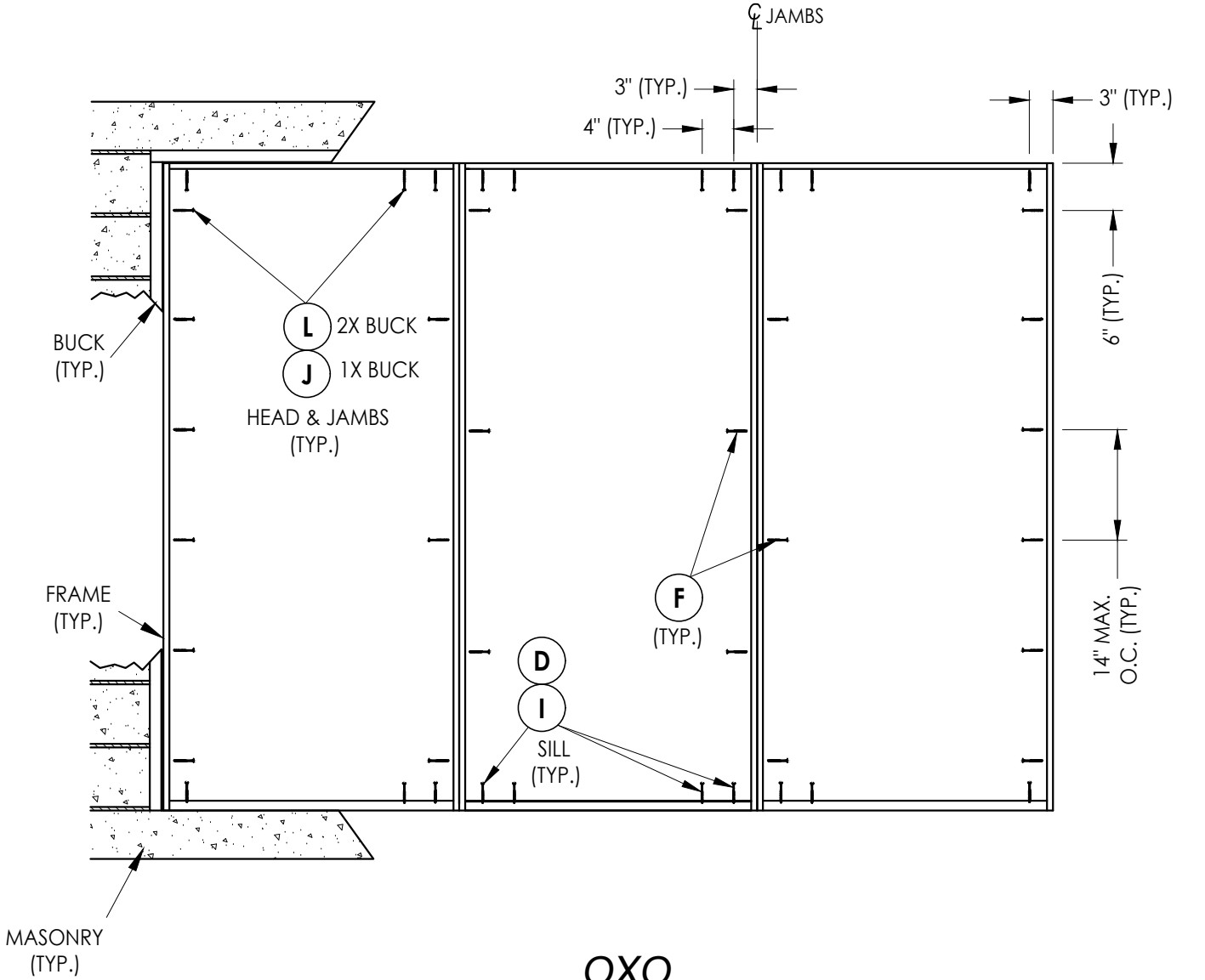
2X BUCK ANCHORING

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			
PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: BUCK ANCHORING					
				2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC
				1	7/27/23	UPDATE TO 8TH ED. (2023)	FBC
				NO.	DATE		BY
				REVISIONS			
DATE: 5/18/21							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-37182.5							
SHEET 8 OF 12							

Z:\2023 FBC Drawings\Therma-Tru\FL-37182 R2\FL-37182.4-6.dwg



XO/OX



OXO

FRAME ANCHORING

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: 5/18/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

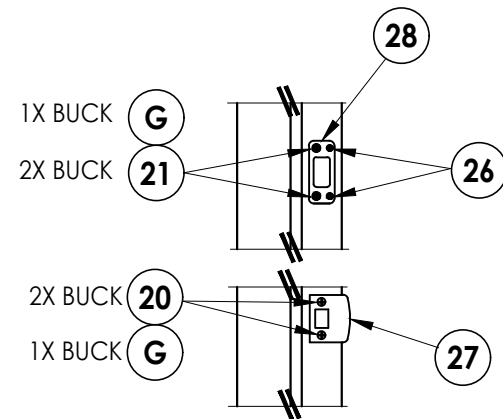
DRAWING NO.:

FL-37182.5

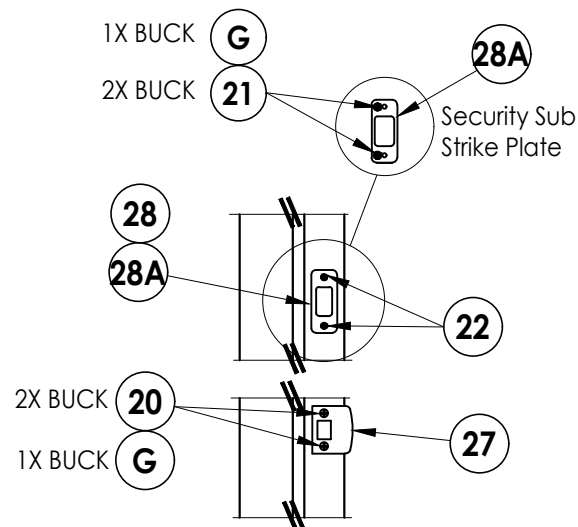
SHEET 9 OF 12

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

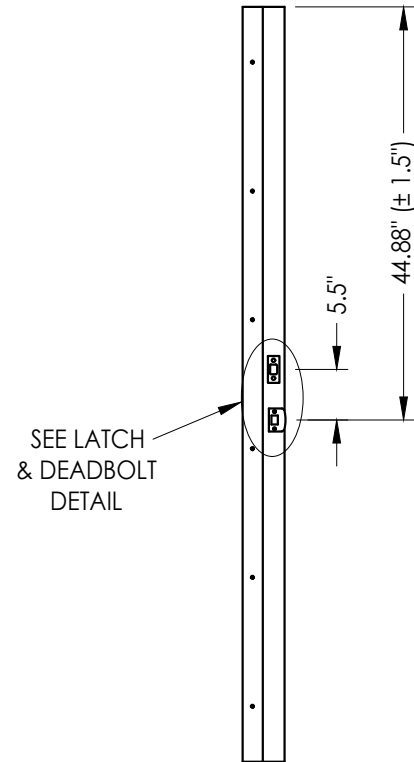


LATCH & DEADBOLT DETAIL
Kwikset

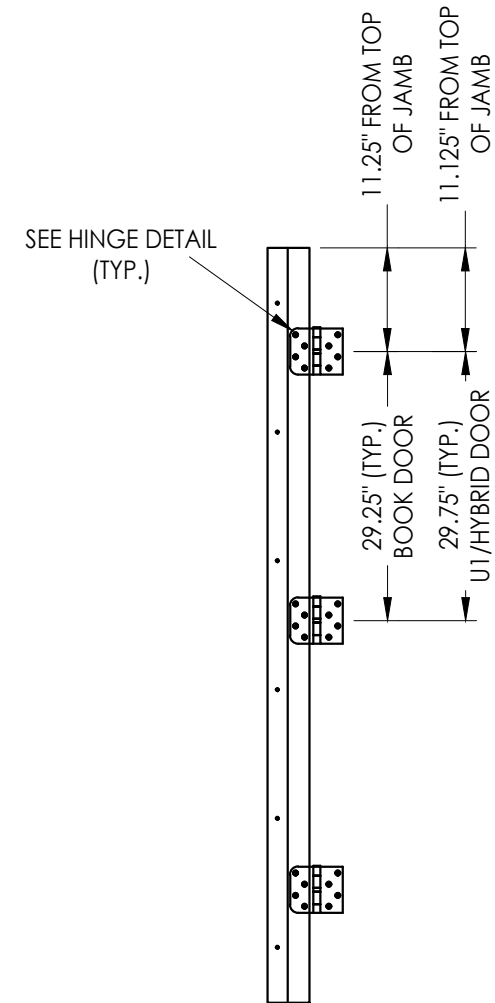


LATCH & DEADBOLT DETAIL
Schlage

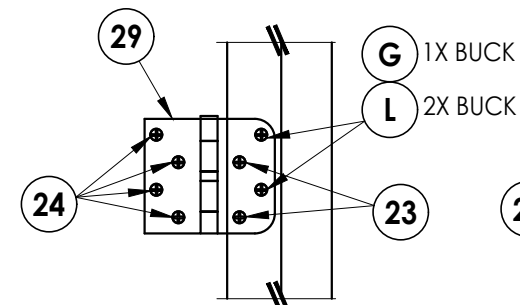
LATCH & DEADBOLT STRIKE DETAILS



STRIKE JAMB
Latch and Deadbolt

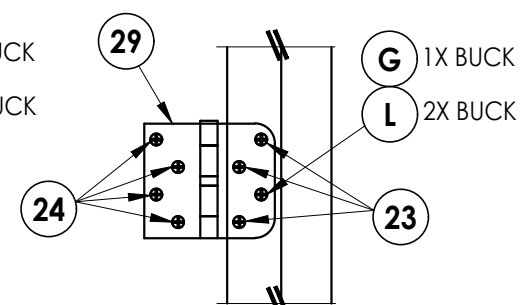


HINGE JAMB



HINGE DETAIL

Inswing



HINGE DETAIL

Outswing

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

DATE: 5/18/21

SCALE: *N.T.S.*

DWG. BY: *RW*

CHK. BY: LFS

DRAWING NO.:

FL-37182.5

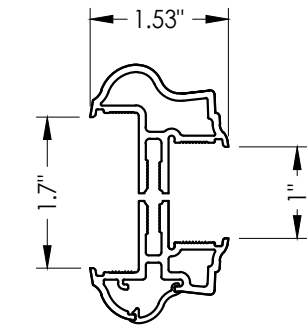
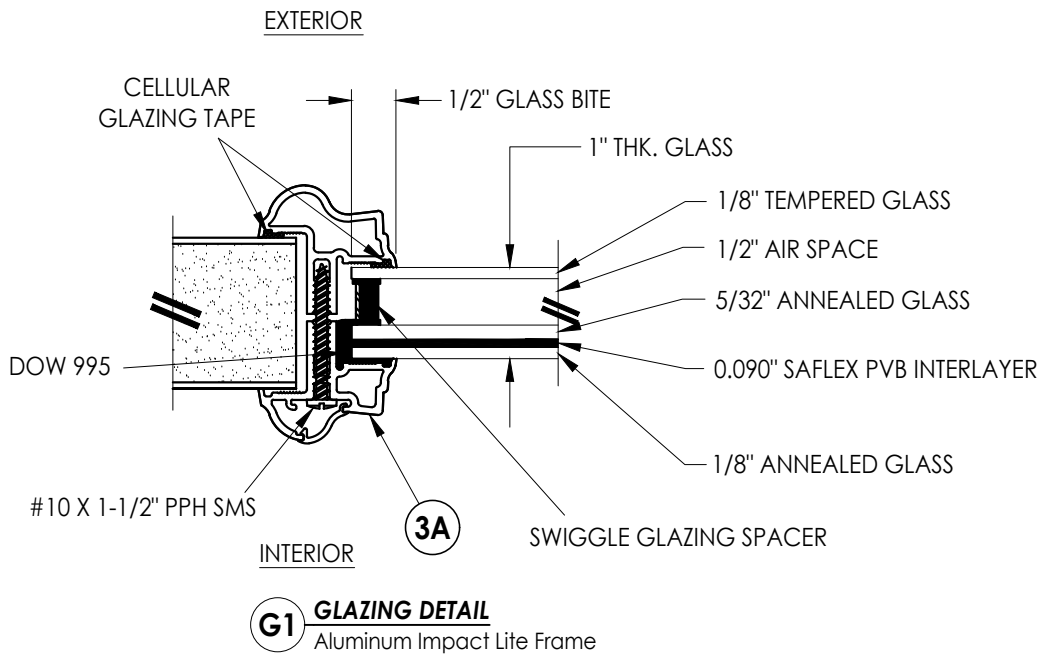
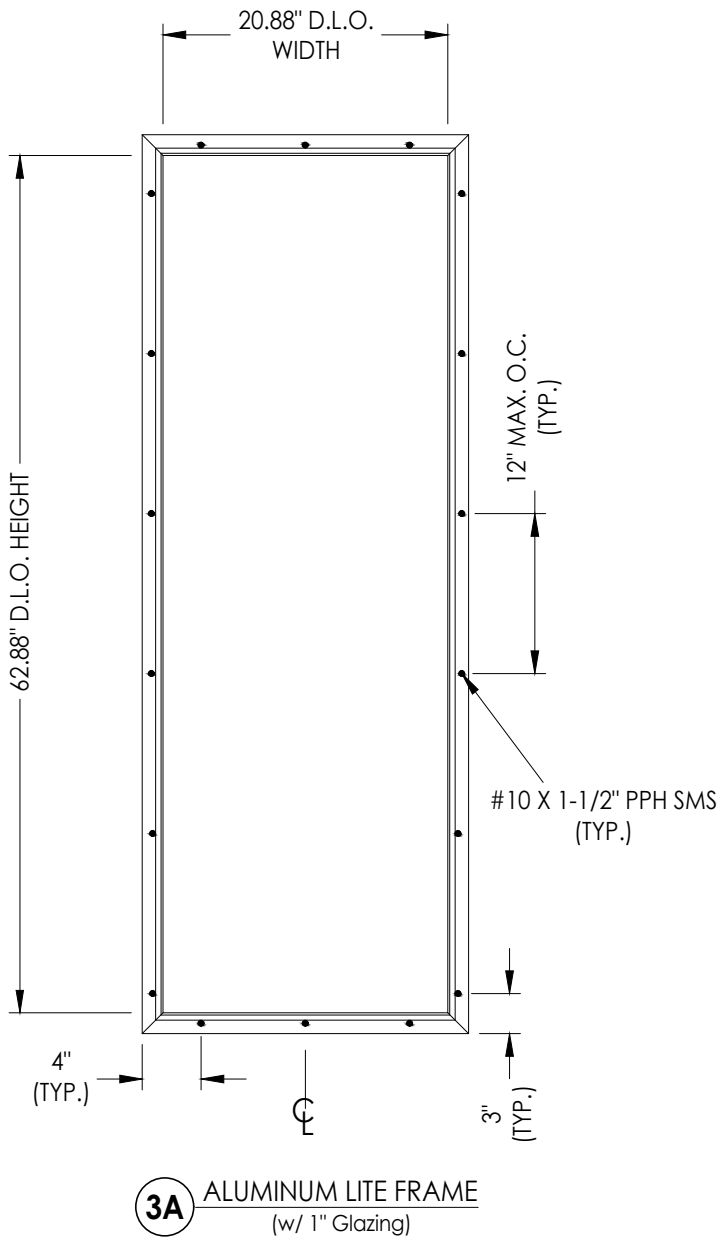
SHEET 10 OF 12

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

© 2021 R.W. BUILDING CONSULTANTS INC.

Z:\2023 FBC Drawings\Therma-Tru\FL-37182 R2\FL-37182.4-6.dwg



3A ALUMINUM FRAME
Aluminum Impact Lite Frame

DATE: 5/18/21	
SCALE: N.T.S.	
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.: FL-37182.5	
SHEET	11 OF 12

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

PRODUCT:	THERMA-TRU FIBERGLASS DOOR
	PART OR ASSEMBLY: LITE FRAME & GLAZING DETAILS

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

