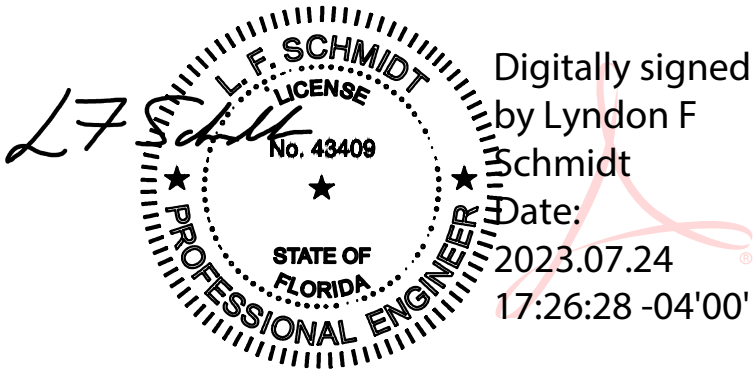


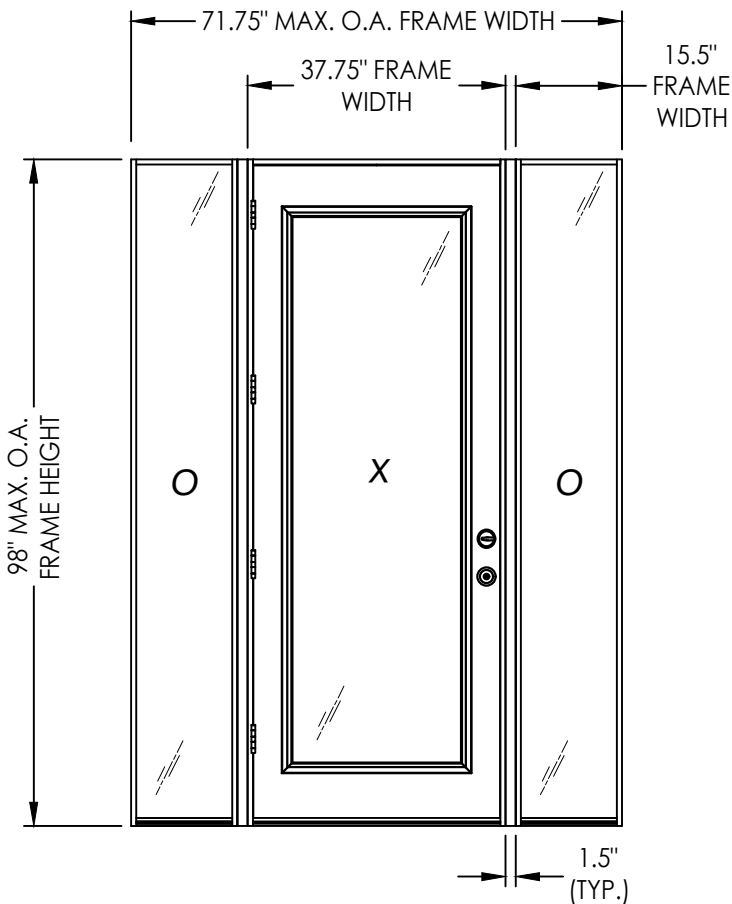
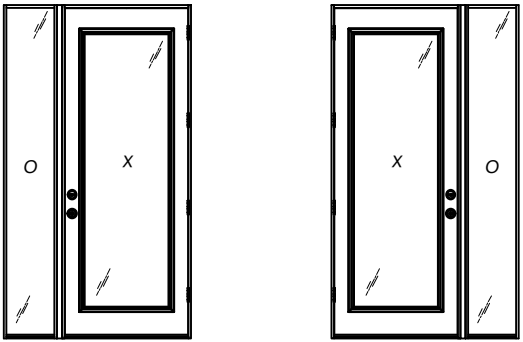


Fiber-Classic® & Smooth-Star®



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



**WOOD OR COMPOSITE EDGE
GLAZED FIBERGLASS SINGLE DOOR
w/ SIDELITE(S)
INSWING
"NON-IMPACT"**

GENERAL NOTES

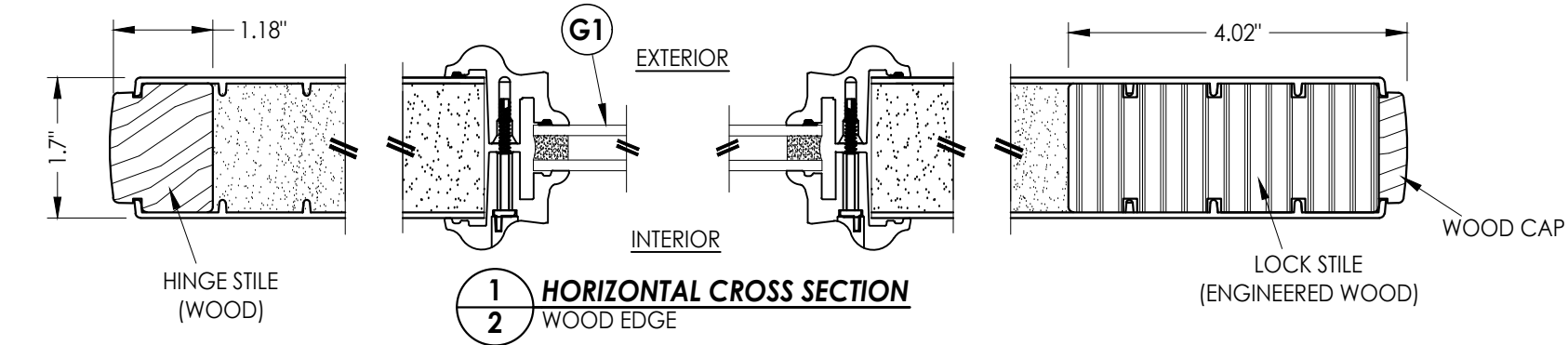
1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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.

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

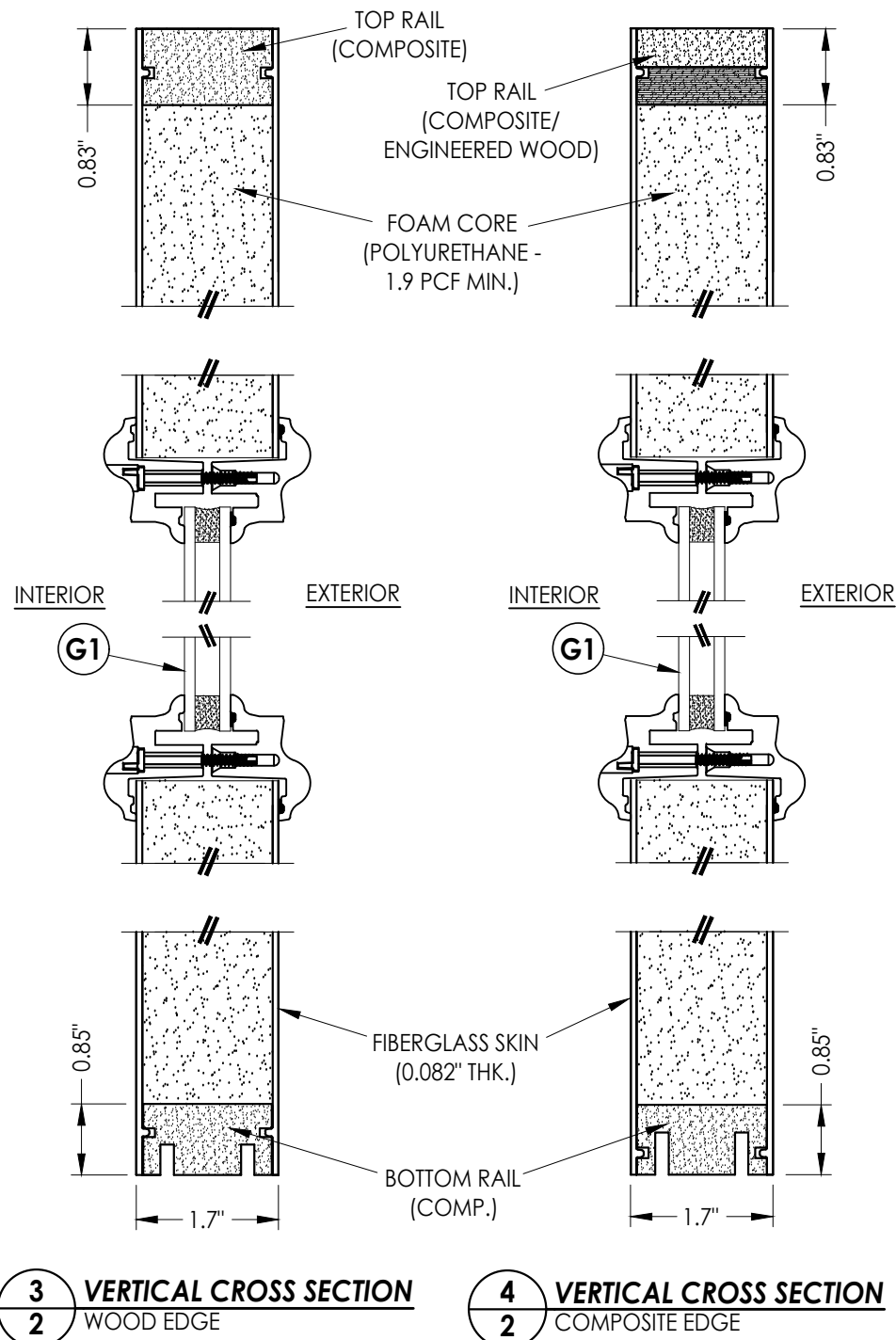
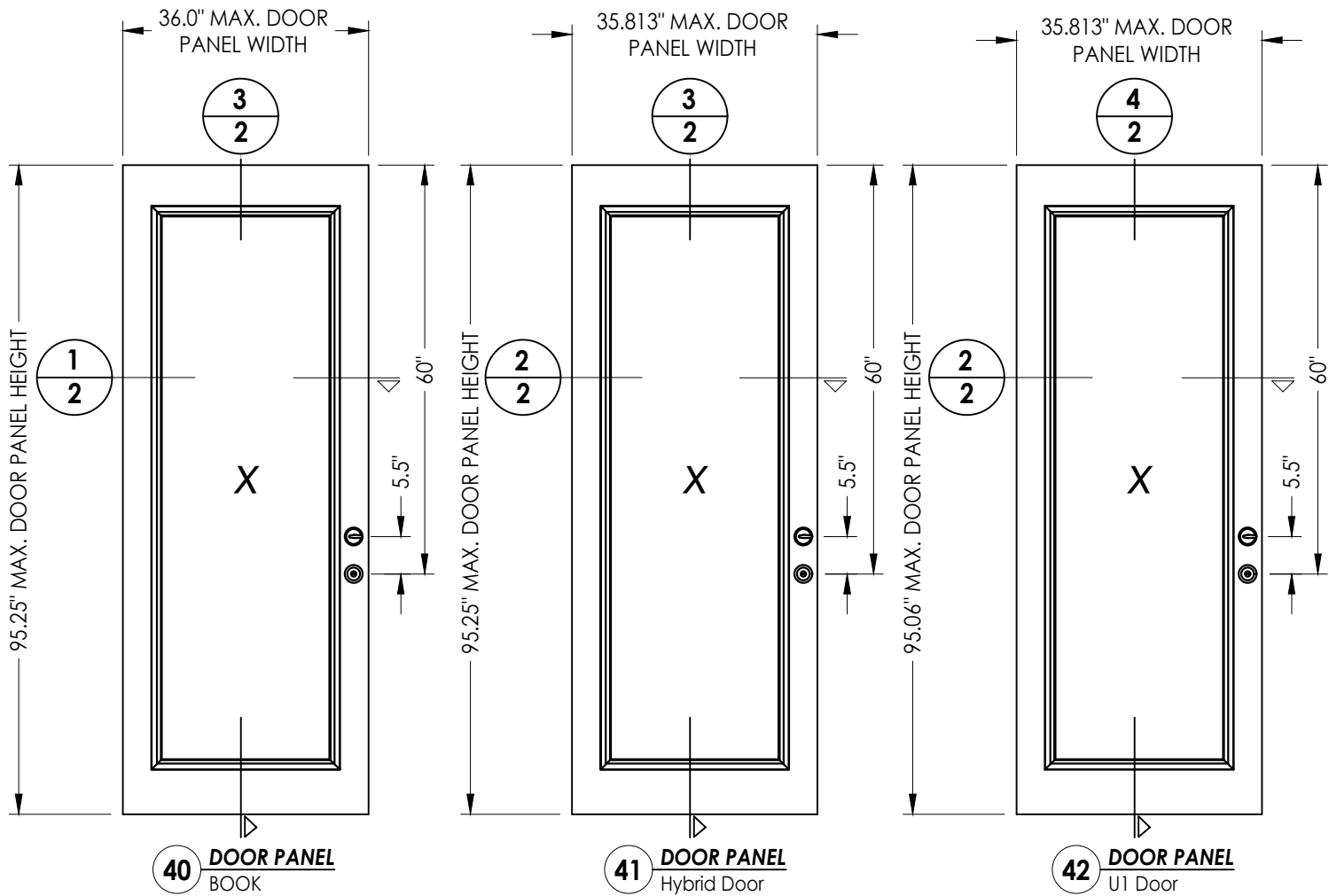
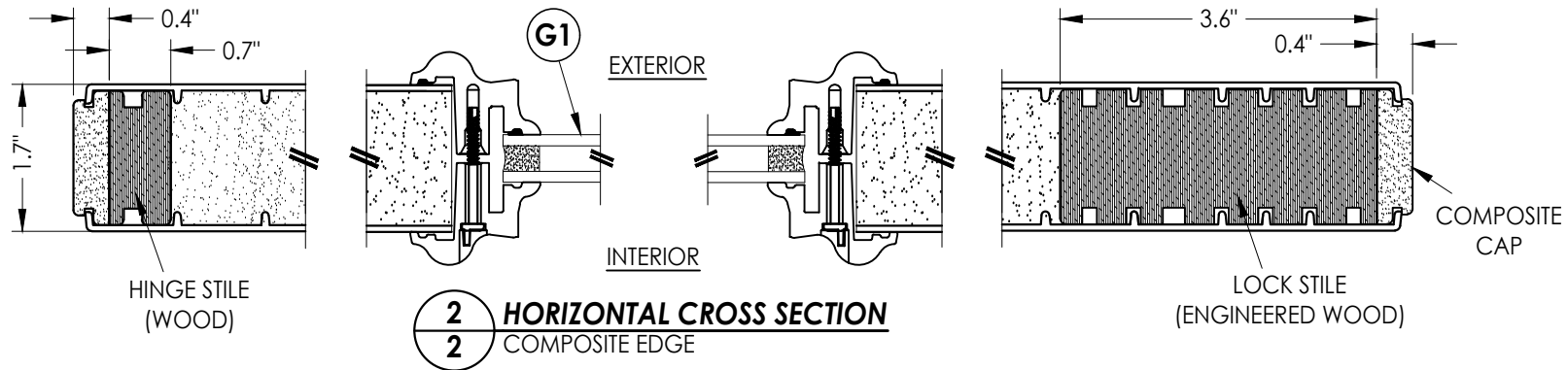
CONFIGURATION	DOOR GLAZING	2X REINFORCEMENT REQUIRED	DESIGN PRESSURE (PSF) w/ FJ PINE JAMBS		DESIGN PRESSURE (PSF) w/ COMPOSITE JAMBS	
			POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XO, OX, OXO	LIP LITE	NO	+35.0	-40.0	+30.0	-40.0
		YES	+35.0	-40.0	+43.0	-47.0
	FLUSH	NO	+30.0	-45.0	+30.0	-40.0
		YES	+30.0	-45.0	+50.0	-50.0

[illegible]

Z:\2023 FBC Drawings\Therma-Tru\FL-35436 R2\FL-35436.10,12.dwg



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



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 License No. 9813

PRODUCT:

THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

DOOR PANEL DETAILS

DATE: 12/10/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

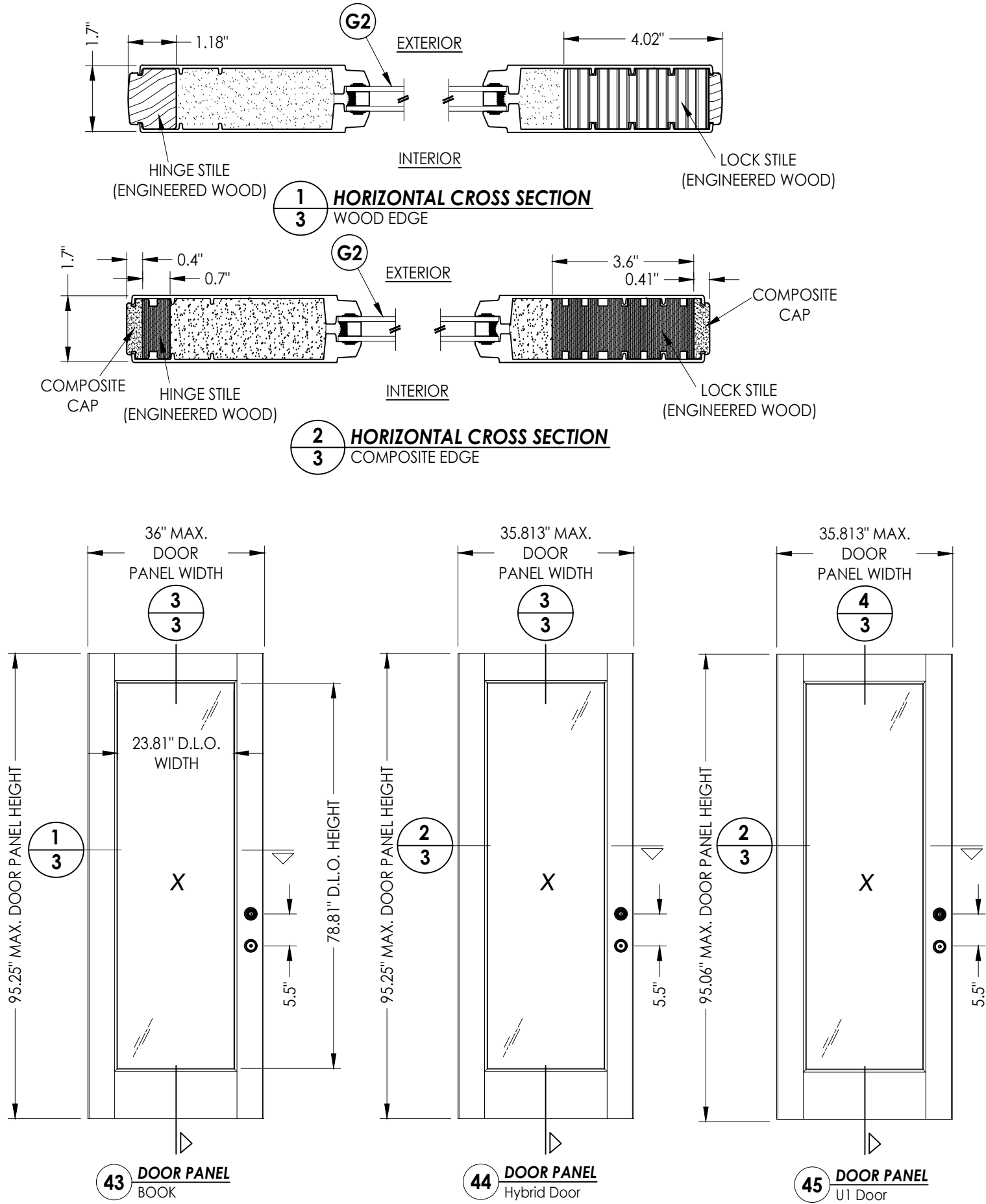
DRAWING NO.:

FL-35436.10

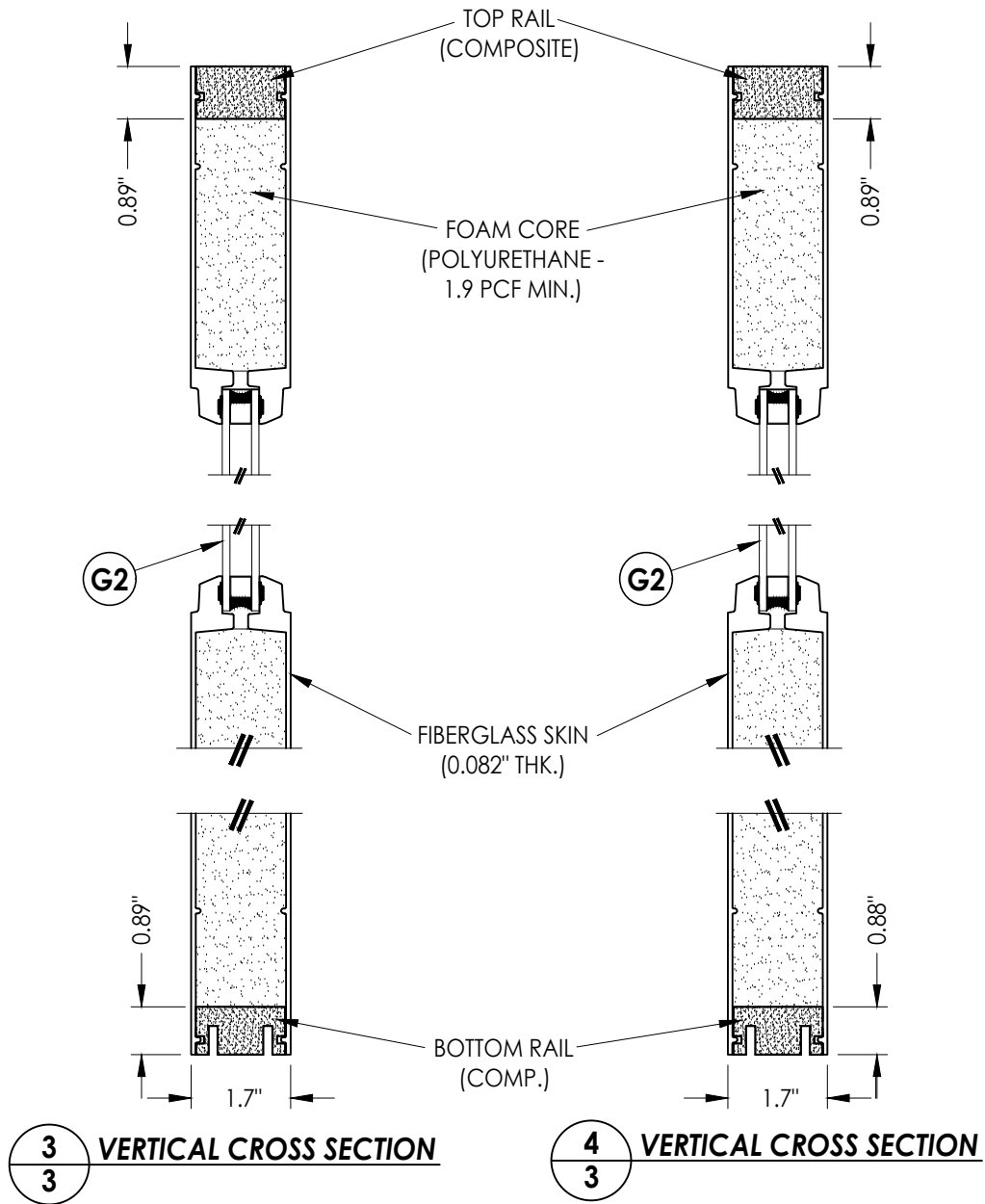
SHEET 2 OF 13

© 2020 R.W. BUILDING CONSULTANTS INC.

Z:\2023 FBC Drawings\Therma-Tru\FL-35436 R2\FL-35436.10,12.dwg

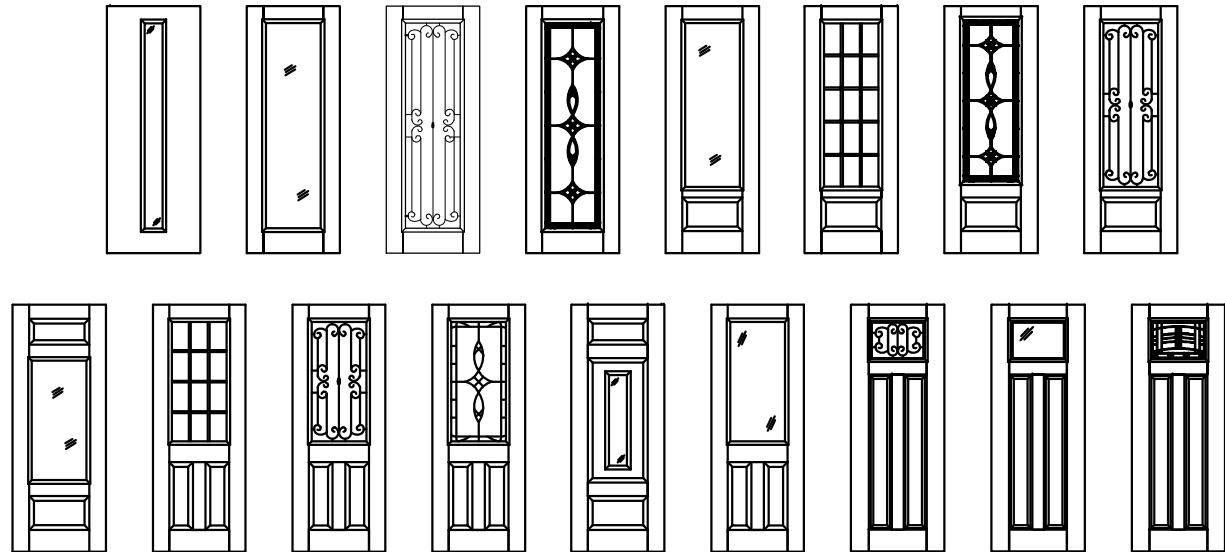
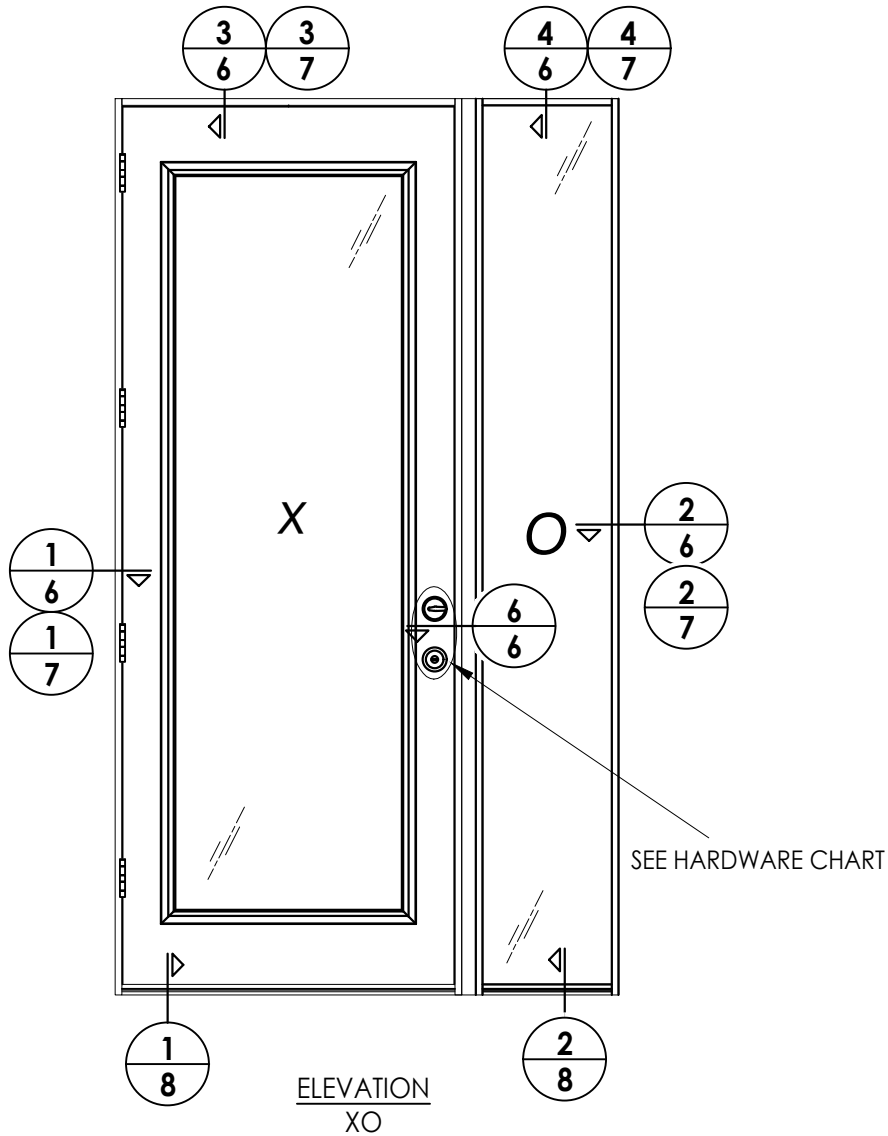


NOTE: BOOK, HYBRID & U1 DOORS
MAY EACH BE FABRICATED AS WOOD
OR COMPOSITE EDGE DOORS.



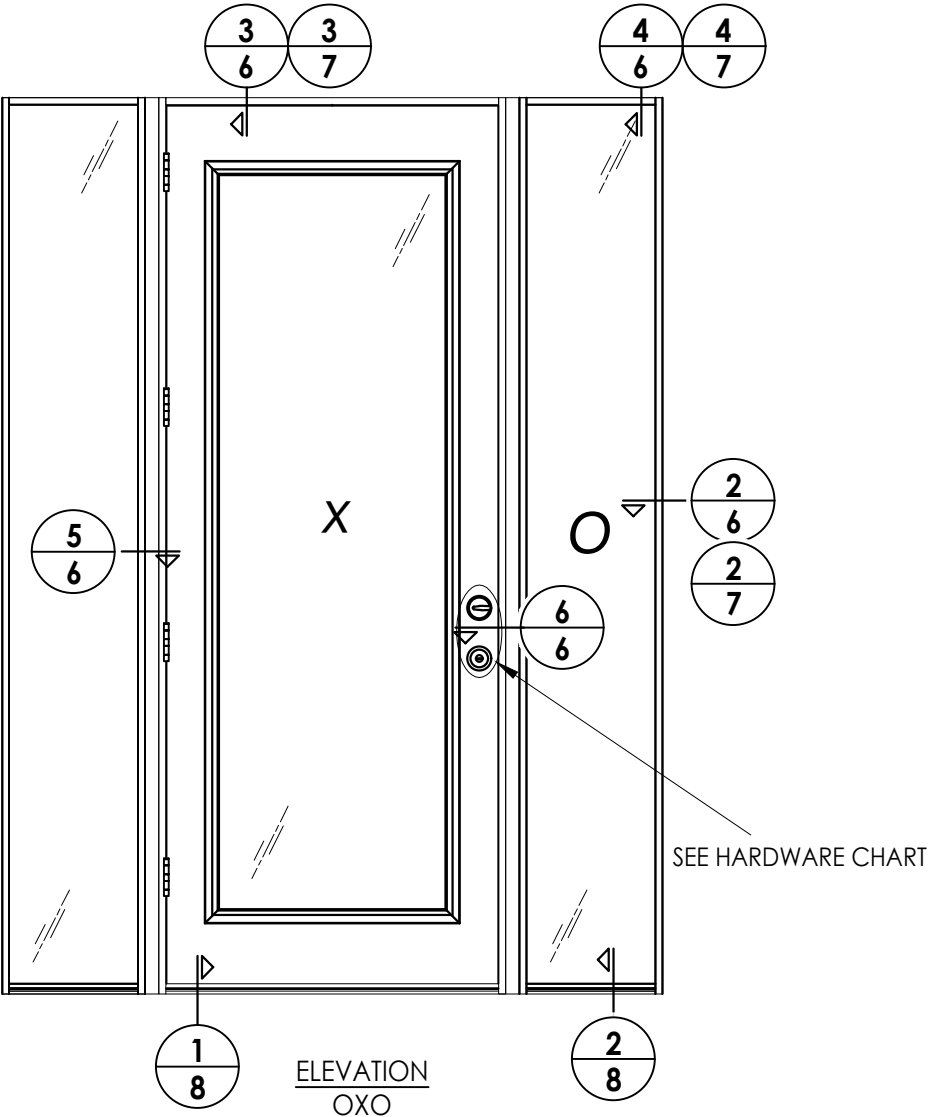
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		R.W. BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813	
PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS	
		REVISIONS	
		NO.	DATE
		1	7/24/23
		UPDATE TO 8TH ED. (2023)	FBC
		LFS	BY
DATE: 12/10/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-35436.10			
SHEET 3 OF 13			

© 2020 R.W. BUILDING CONSULTANTS INC.



Fiber-Classic/Smooth-Star Door Panel Options

Panel options shown are for illustration and are representative only
(similar glazed panel configurations are allowed)



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

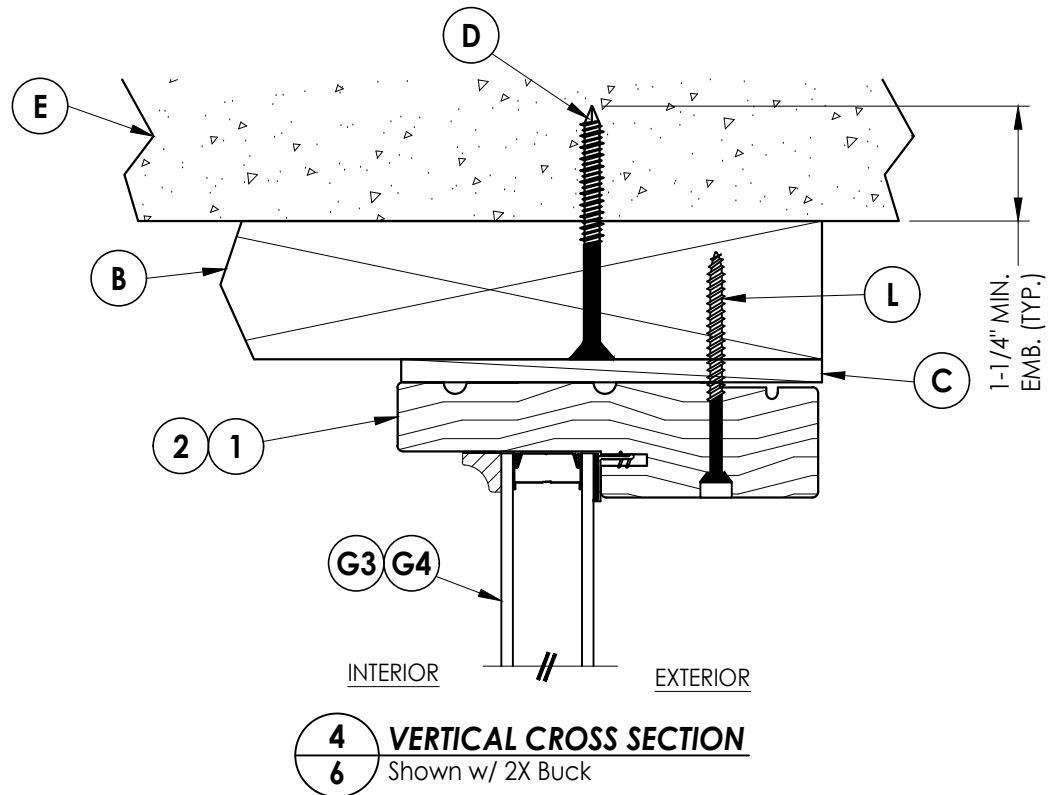
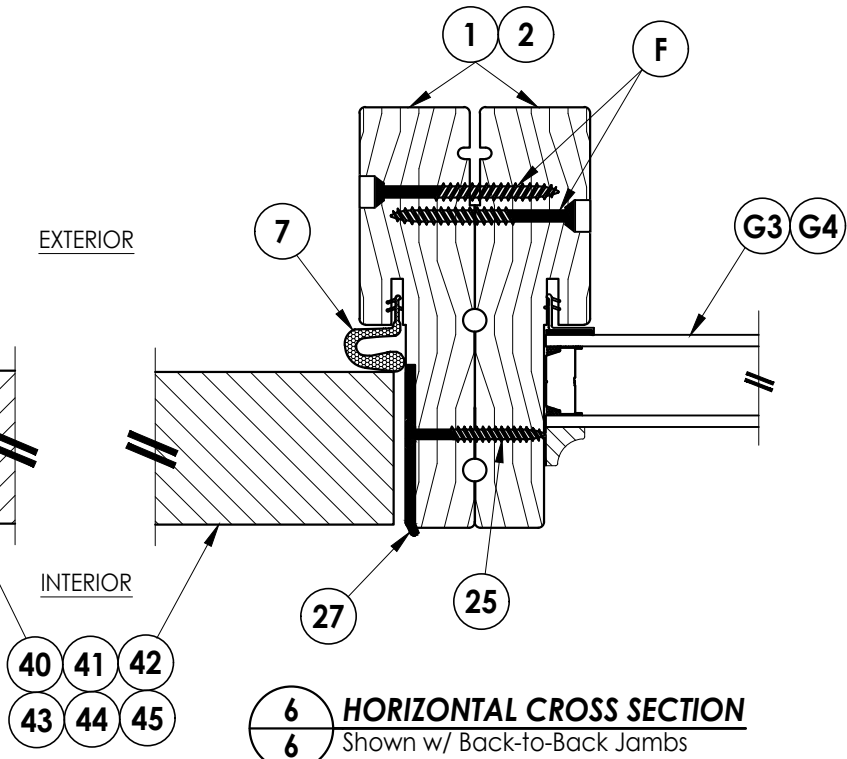
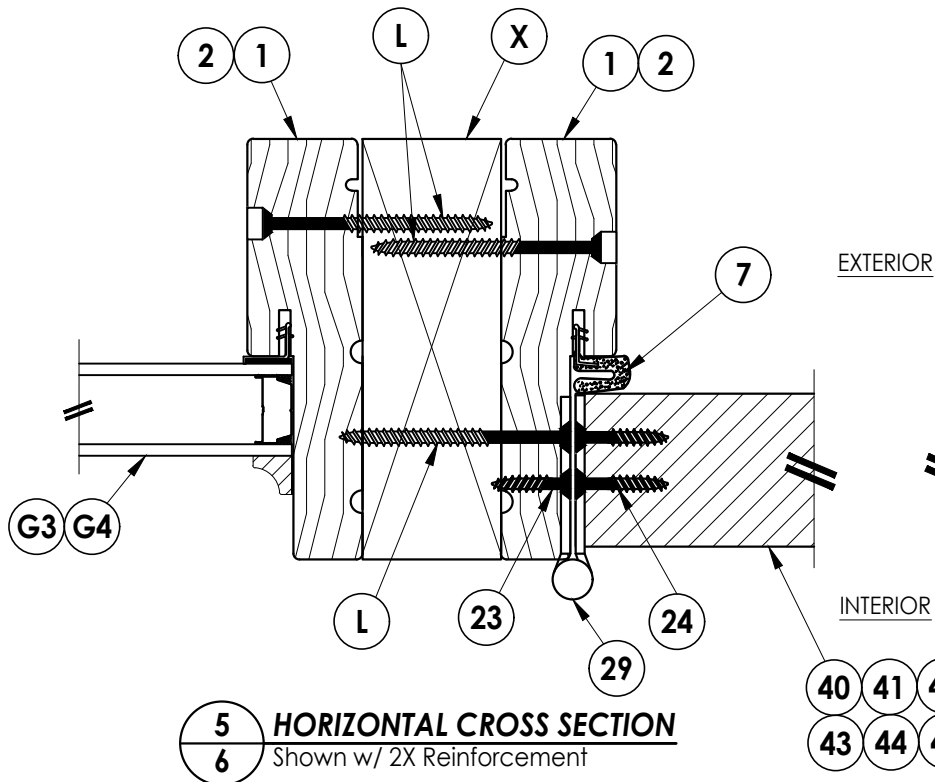
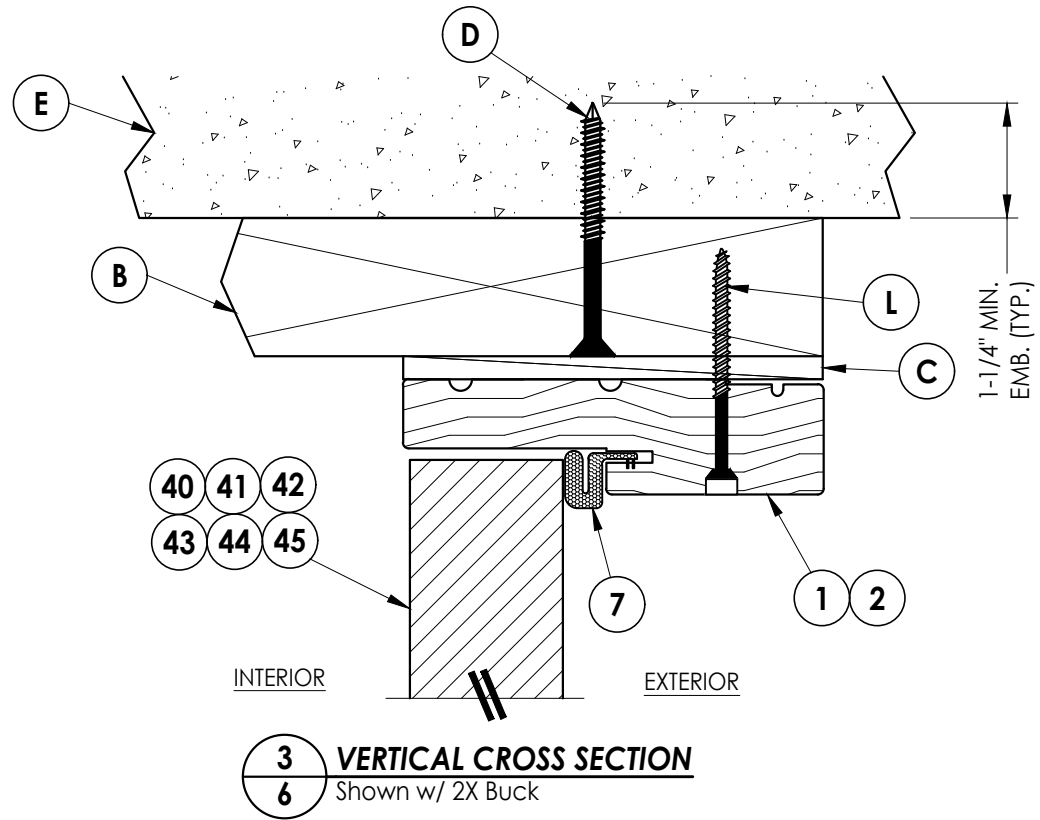
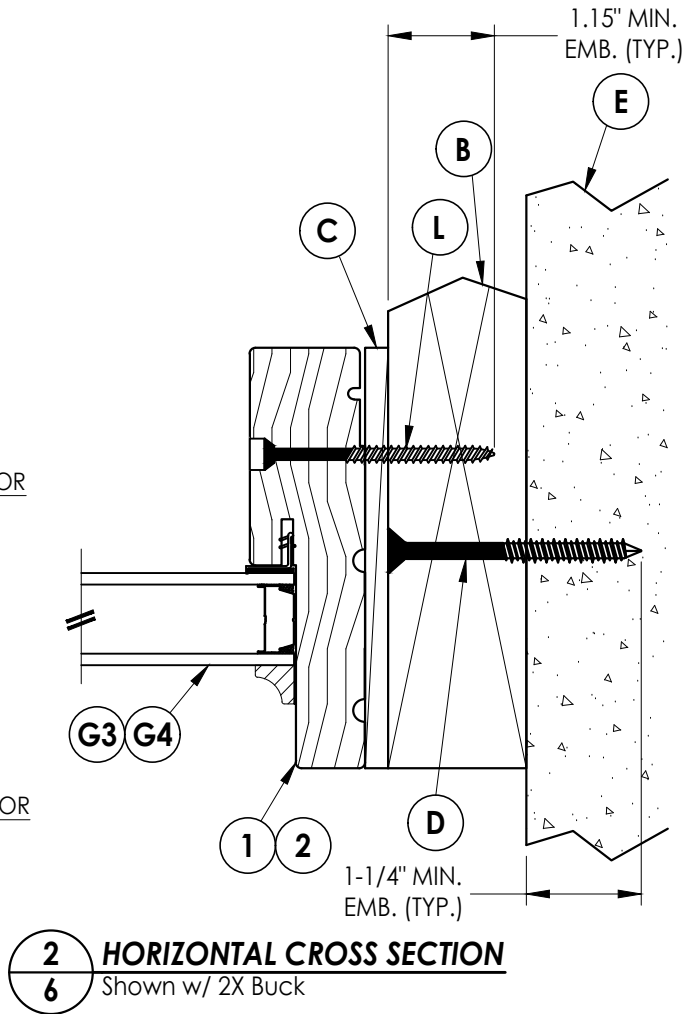
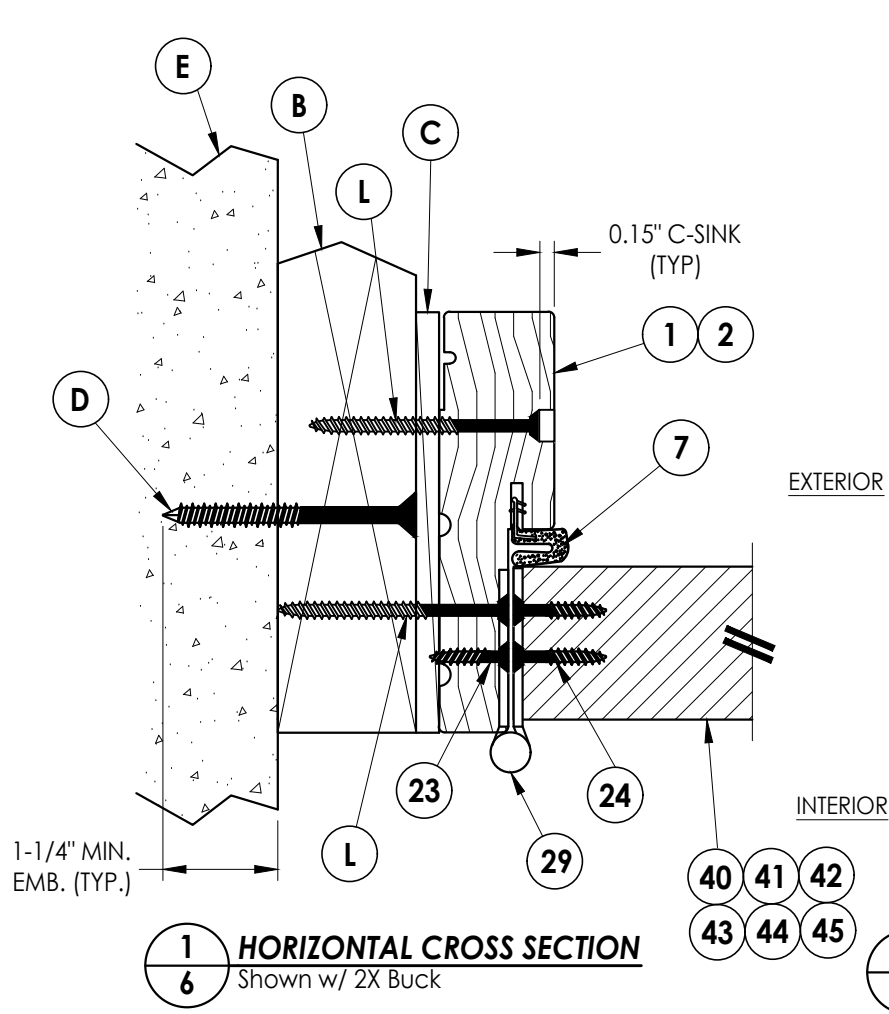
1	7/24/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
NO	DATE			BY	
					REVISIONS

DATE:	12/10/20
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-35436.10
SHEET	<u>5</u> OF <u>13</u>

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 License No. 9813

Z:\2023 FBC Drawings\Therma-Tru\FL-35436 R2\FL-35436.10,12.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 License No. 9813

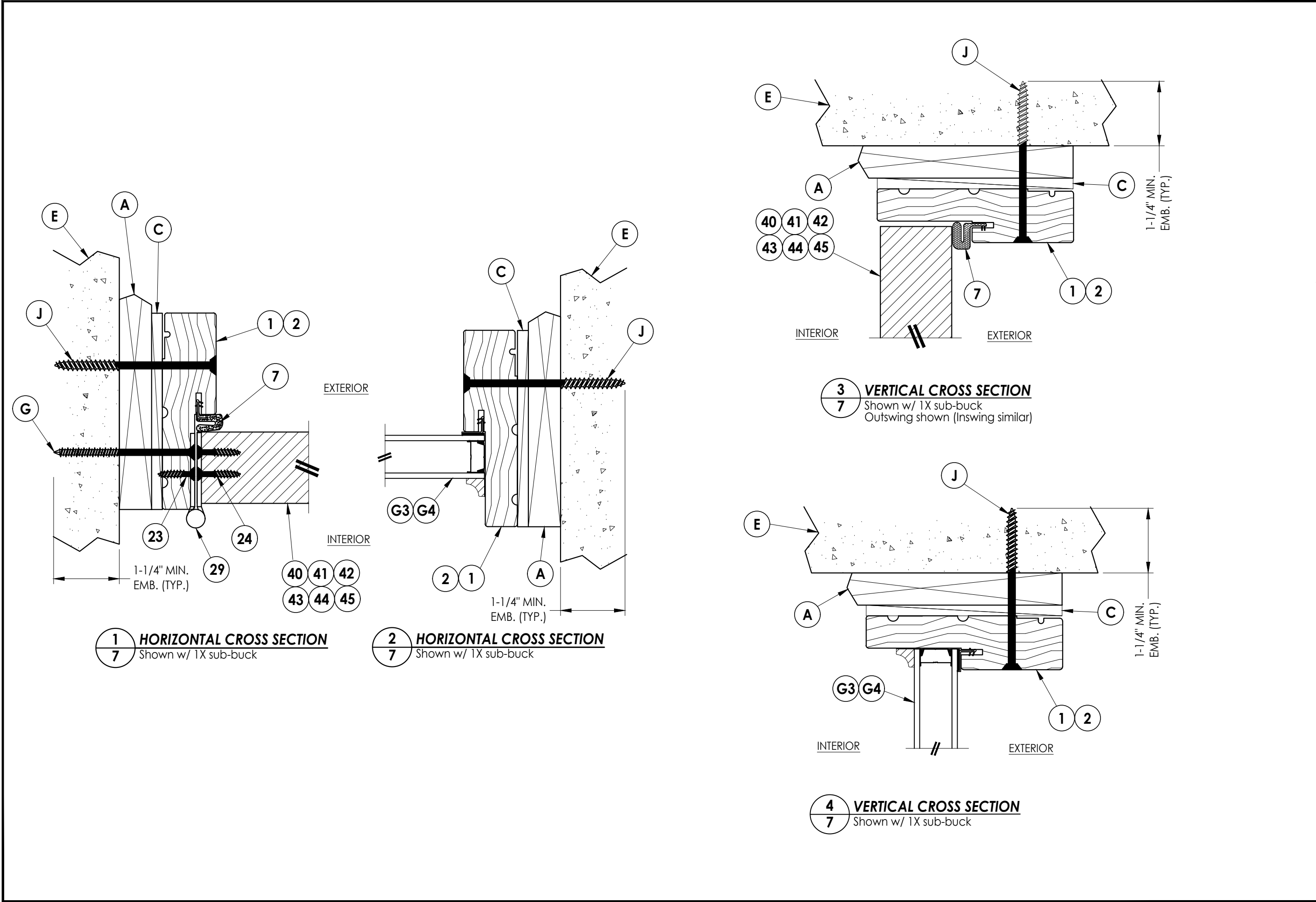
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

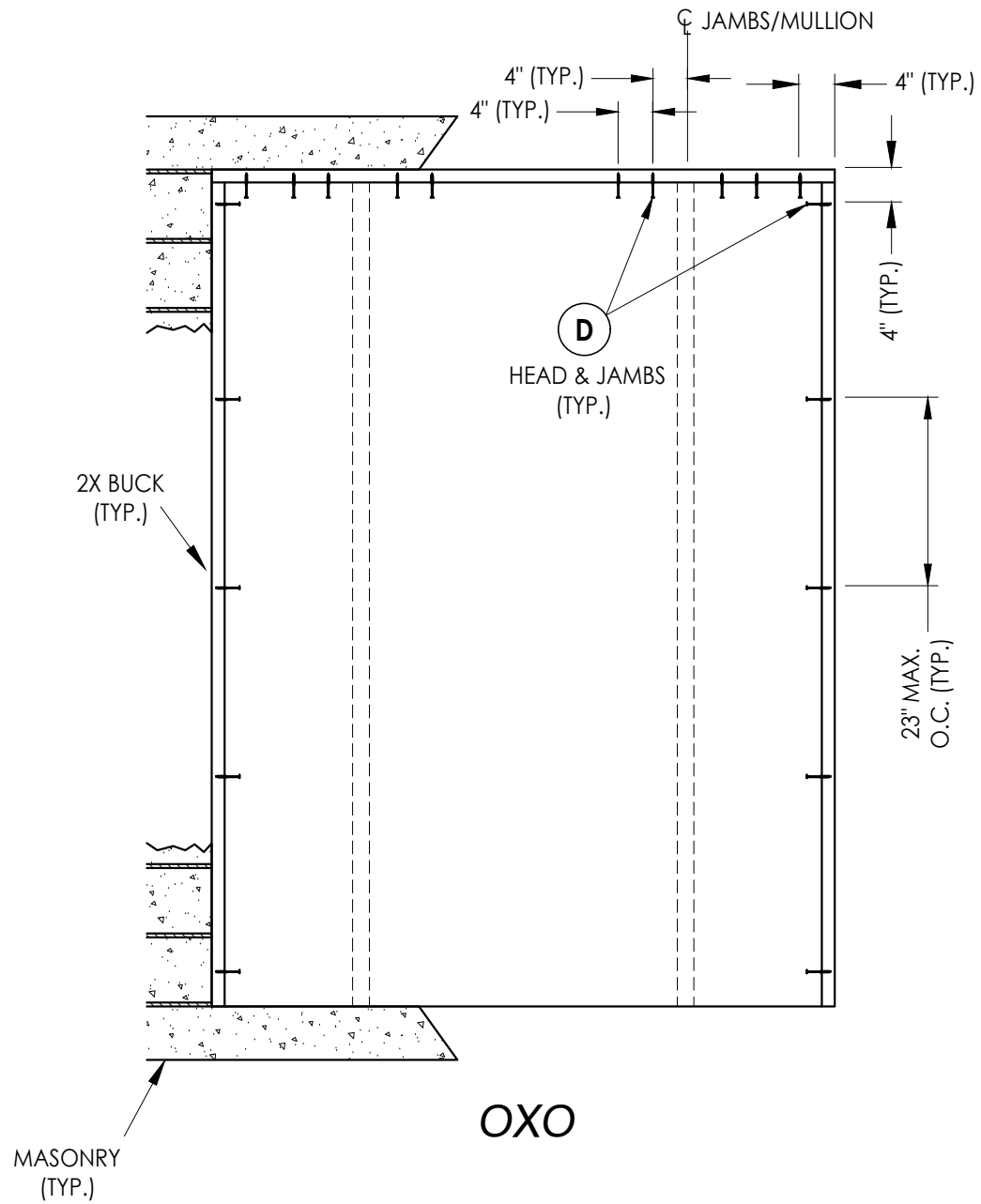
NO.	DATE	REVISIONS
1	7/24/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

DATE: 12/10/20
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.:
FL-35436.10
SHEET 6 OF 13

Z:\2023 FBC Drawings\Therma-Tru\FL-35436 R2\FL-35436.10,12.dwg

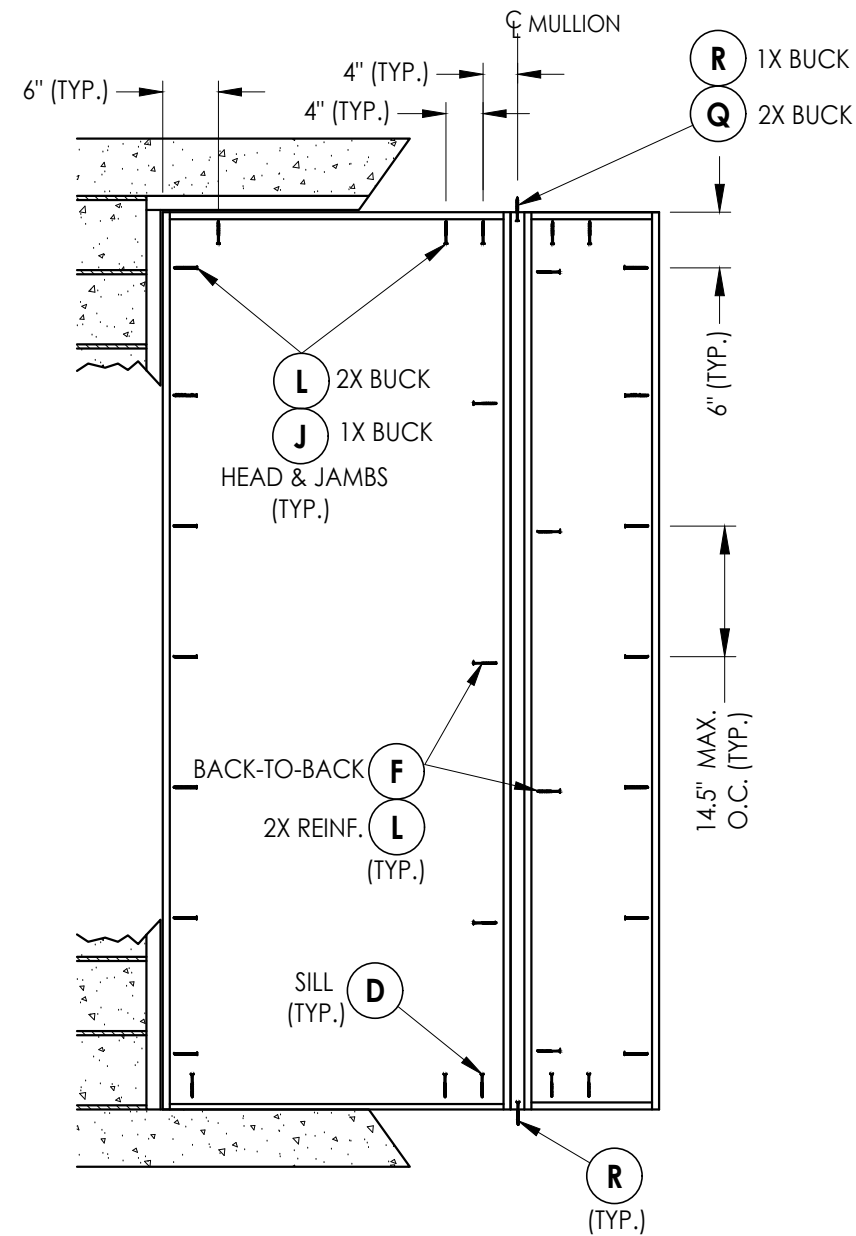


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		RWBUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813	
PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
		LFS BY	
		REVISIONS	
		1 7/24/23 UPDATE TO 8TH ED. (2023) FBC	
		NO. DATE	
DATE: 12/10/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-35436.10			
SHEET 7 OF 13			

[illegible]

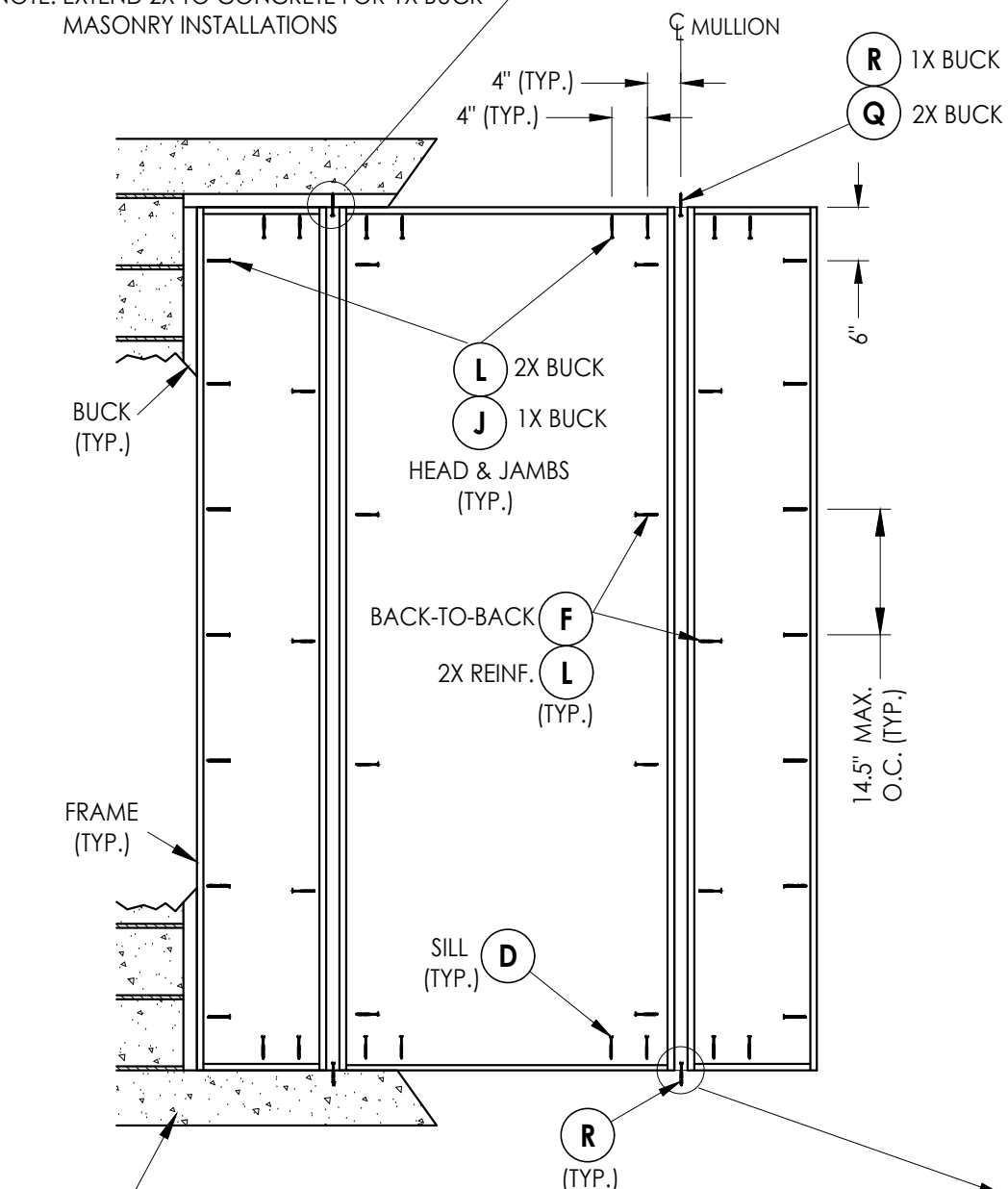
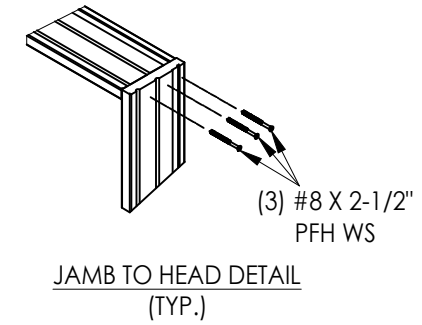
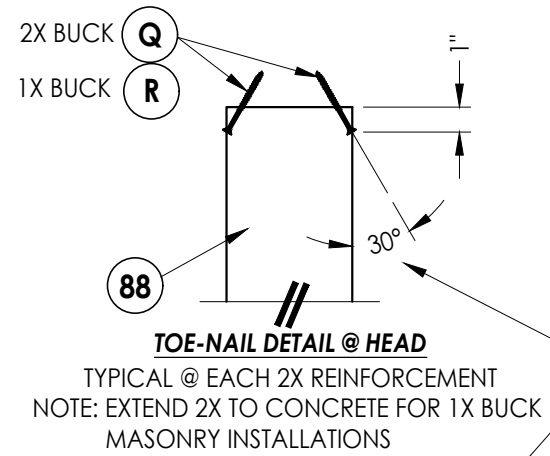
PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	BUCK ANCHORING

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

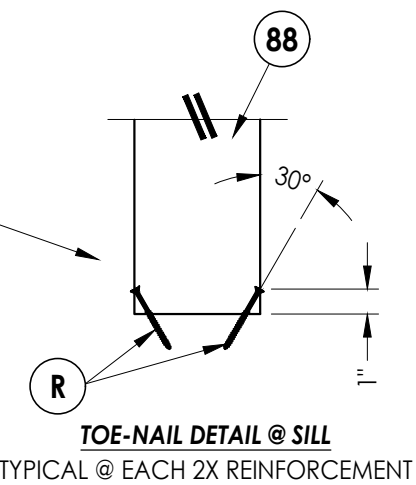


XO/OX

FRAME ANCHORING

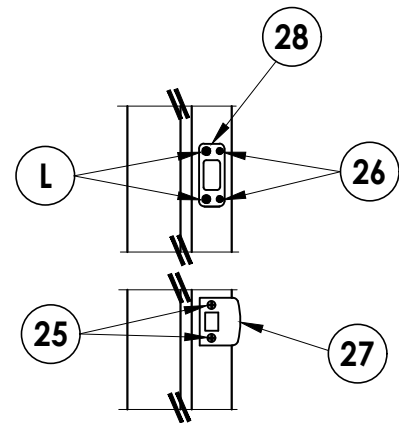


OXO

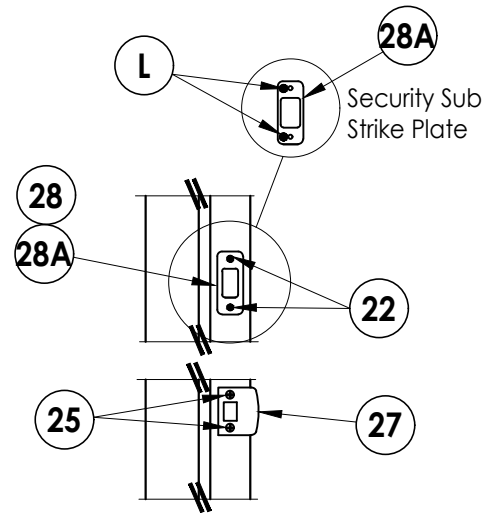


TOE-NAIL DETAIL @ SILL
TYPICAL @ EACH 2X REINFORCEMENT

DATE: 12/10/20		DRAWING NO.:		FL-35436.10	
SCALE: N.T.S.		CHK. BY: LFS		SHEET 10 OF 13	
DWG. BY: RW		PART OR ASSEMBLY:		THERMA-TRU FIBERGLASS DOOR	
NO. DATE		REVISONS		REVISIONS	
1 7/24/23		UPDATE TO 8TH ED. (2023)		FBC	
NO. DATE		BY		LFS	
PRODUCT:		PART OR ASSEMBLY:		THERMA-TRU FIBERGLASS DOOR	
Documents Prepared By:		BUILDING CONSULTANTS, INC.		Lyndon F. Schmidt P.E. No. 43409	
P.O. Box 230, Valrico, FL 33595		Phone No.: 813.659.9197		FBPE Registry License No. 9813	

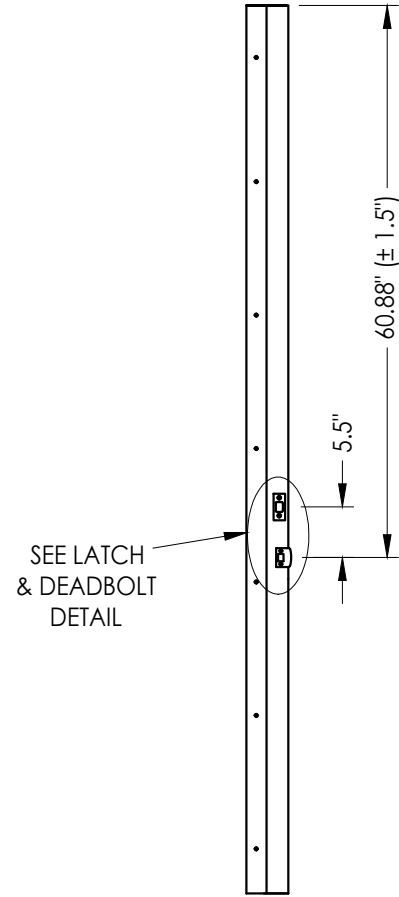


LATCH & DEADBOLT DETAIL
Kwikset

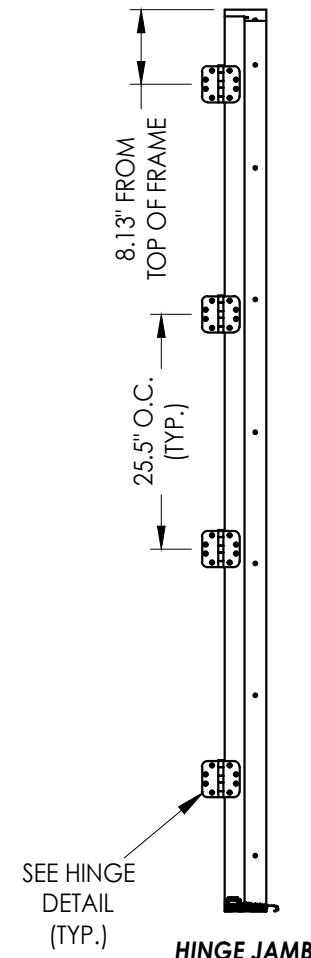


LATCH & DEADBOLT DETAIL
Schlage

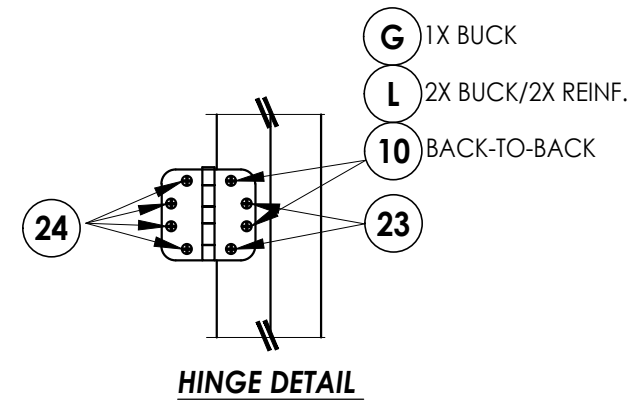
LATCH & DEADBOLT STRIKE DETAILS



STRIKE JAMB
Latch & Deadbolt



HINGE JAMB



HINGE DETAIL

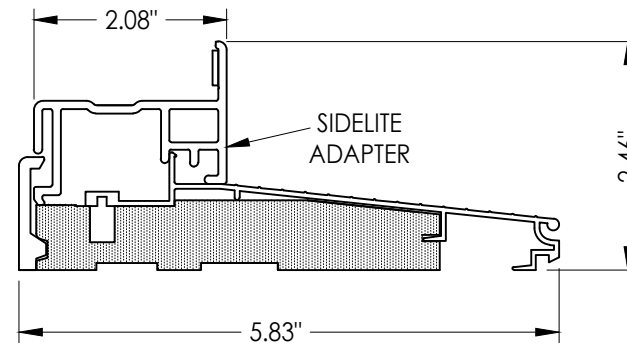
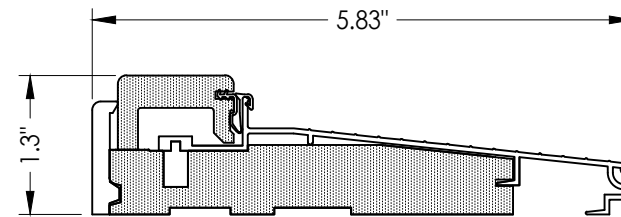
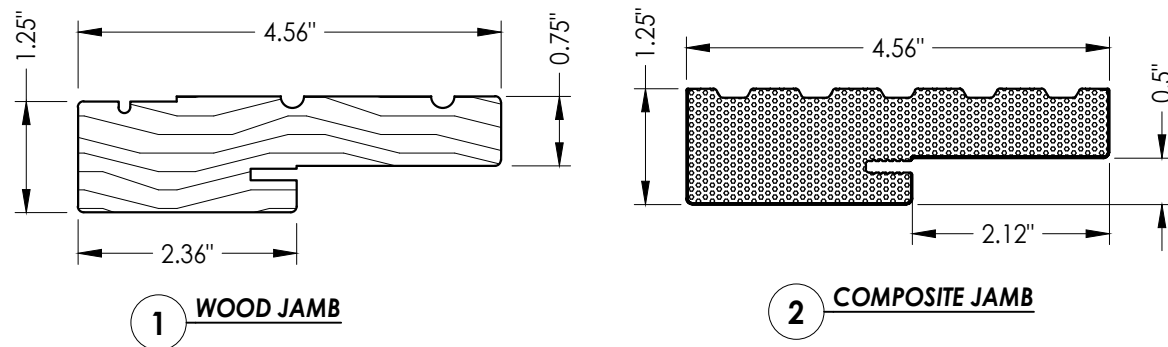
[illegible]

DATE:	12/10/20
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-35436.10
SHEET	11 OF 13

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 License No. 9813

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
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	WOOD JAMB (FINGER JOINT PINE)	WOOD
2	COMPOSITE JAMB	COMP
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
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	#8 X 1-1/2" 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	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-
50	SIDELITE PANEL	-



- 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 ULTRA CON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	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.

[illegible]