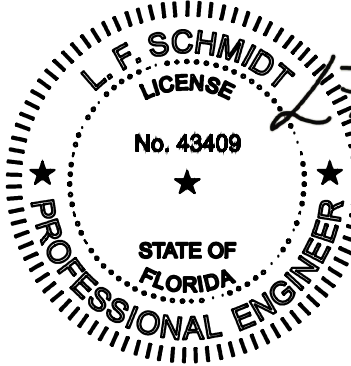




Digitally signed by
Lyndon F Schmidt
Date: 2026.06.17
14:59:49 -04'00'

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.

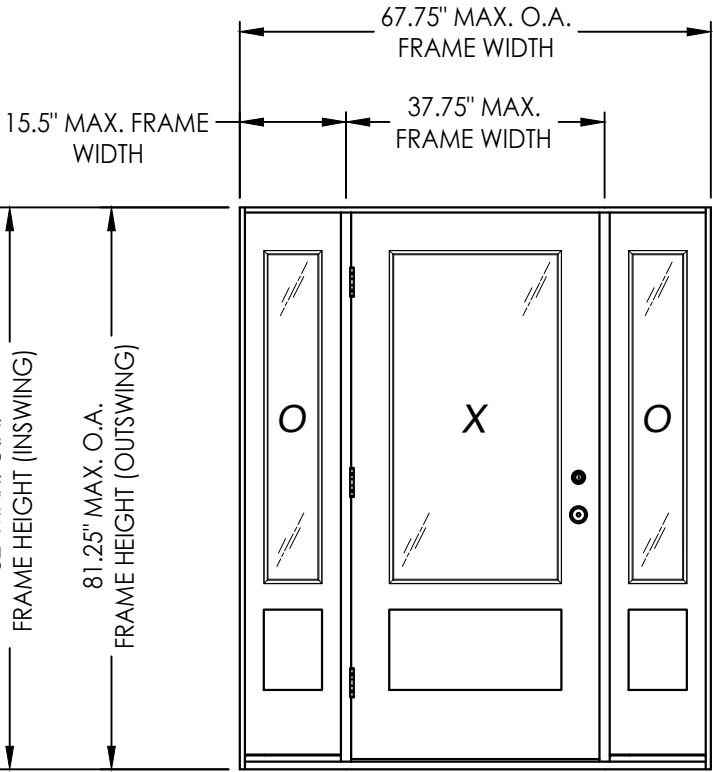
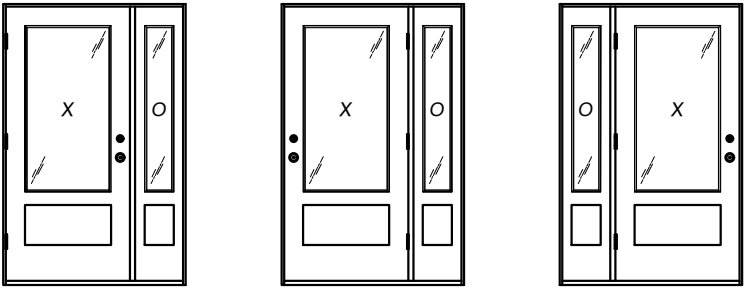
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

"SHAKER"
COMPOSITE EDGE
FLUSH GLAZED FIBERGLASS
SINGLE DOOR w/ SIDELITE(S)
INSWING/OUTSWING
"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 #	
1	Typical Elevations, Design Pressures & General Notes	8	Horizontal Cross Sections
2	Door Panel & Glazing Details	9	Vertical Cross Sections (Thresholds)
3	Sidelite Panel & Glazing Details	10	Buck Anchoring
4	Elevations	11	Frame Anchoring
5	Horizontal & Vertical Cross Sections (2X Buck)	12	Hardware Details
6	Horizontal & Vertical Cross Sections (1X Buck)	13	Bill of Materials & Components
7	Horizontal & Vertical Cross Sections (Direct to Masonry)		



CONTINUOUS HEAD & SILL

CONFIGURATION	JAMB MATERIAL	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX, XO, OXO	FJ PINE	+70.0	-75.0	+60.0	-60.0
	COMPOSITE	+50.0	-55.0	+50.0	-50.0

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

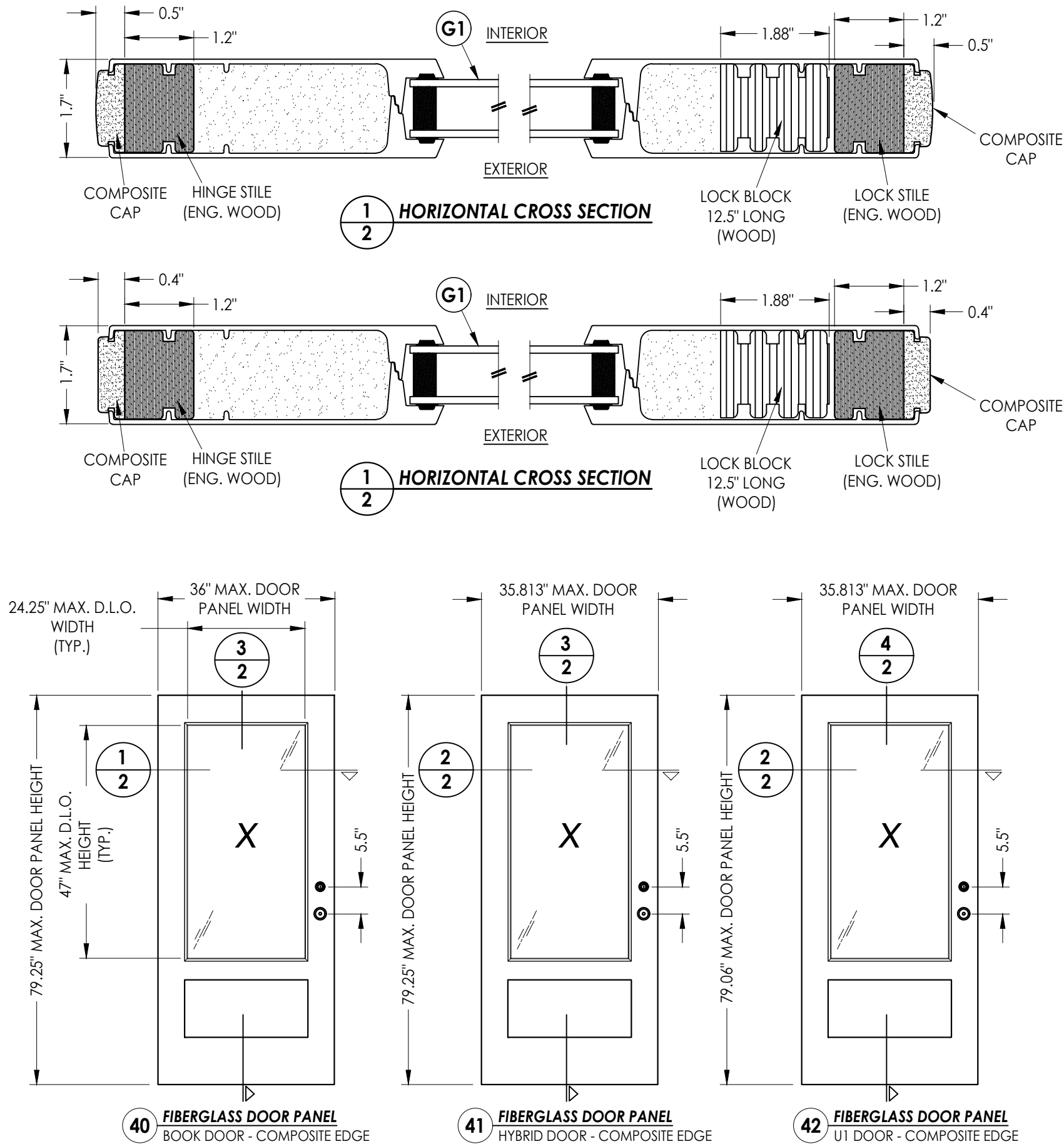
PRODUCT: THERMA-TRU
FIBERGLASS DOOR

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

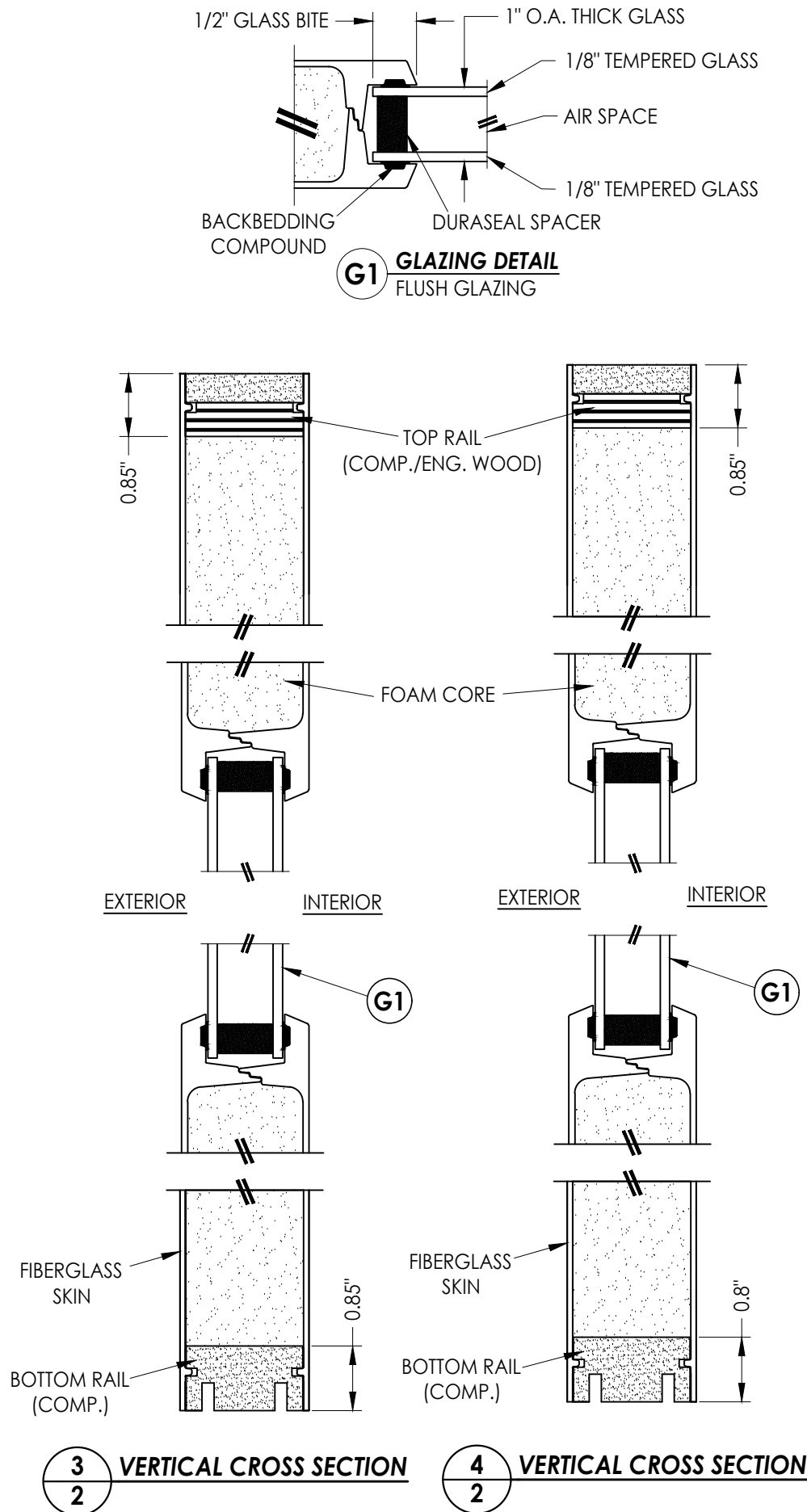
REVISIONS			
NO.	DATE	BY	

DATE: 5/06/26
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.:
FL-48194.3
SHEET 1 OF 13

Z:\2023 FBC Drawings\Therma-Tru\FL-48194\FL-48194.3.dwg



FIBERGLASS SKIN: 0.065" MIN. THK.
FOAM CORE: POLYURETHANE -1.9 PCF MIN.



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

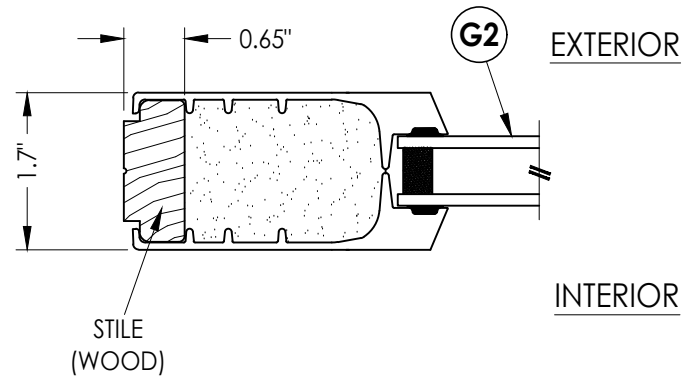
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL
& GLAZING DETAILS

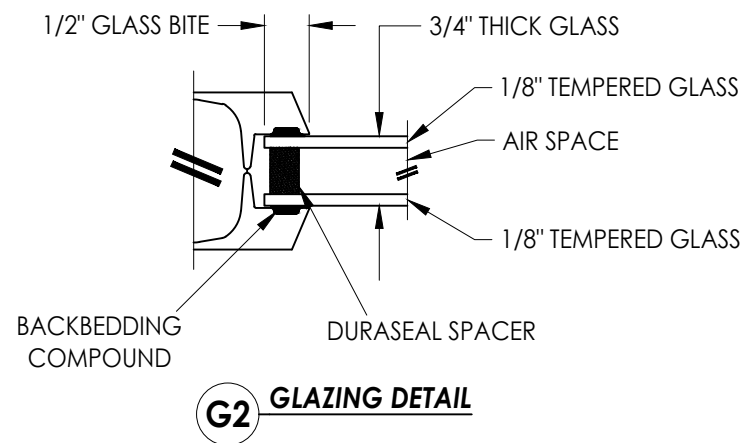
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SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-48194.3
SHEET 2 OF 13

RW BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
FBPE Registry No. 9813

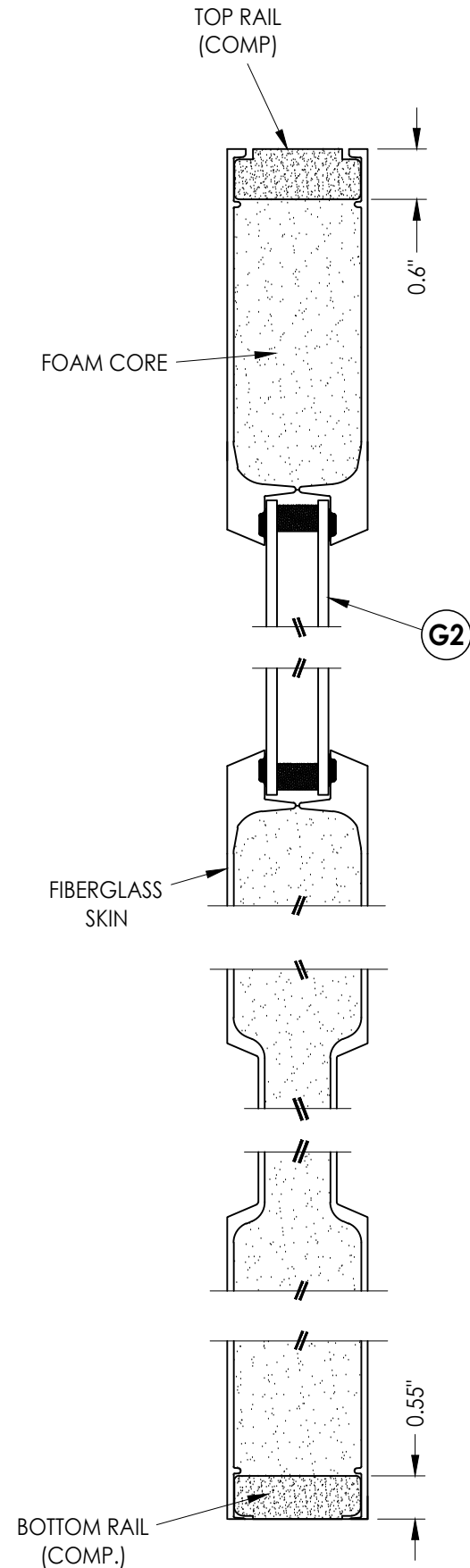
FIBERGLASS SKIN: 0.065" MIN. THK.
FOAM CORE: POLYURETHANE -1.9 PCF MIN.



1 **HORIZONTAL CROSS SECTION**
3



G2 GLAZING DETAIL



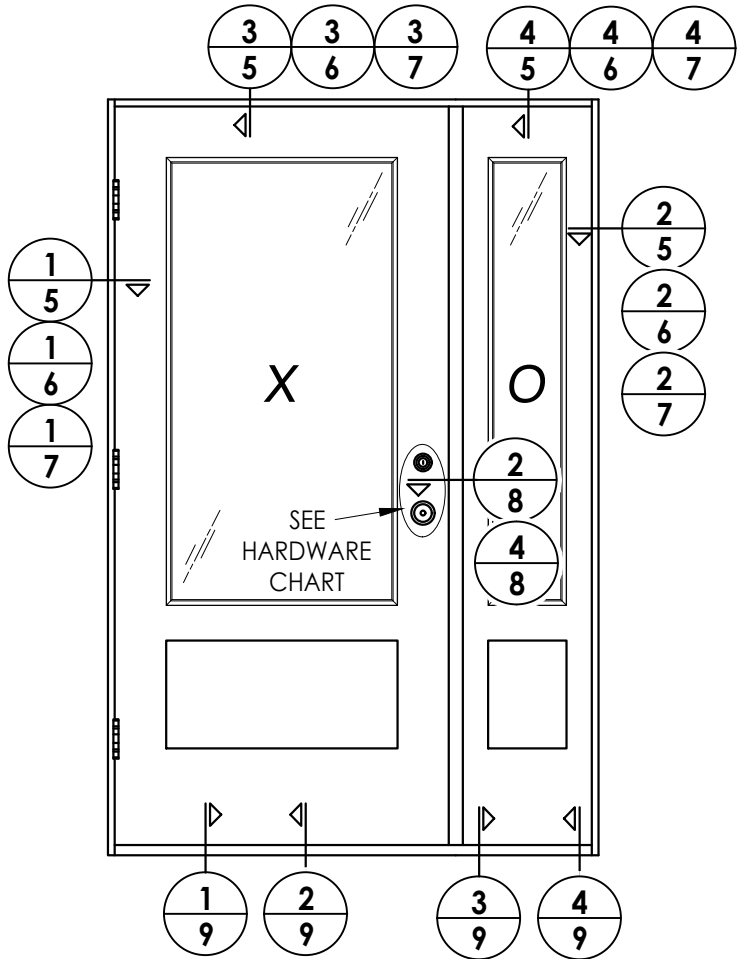
2 VERTICAL CROSS SECTION

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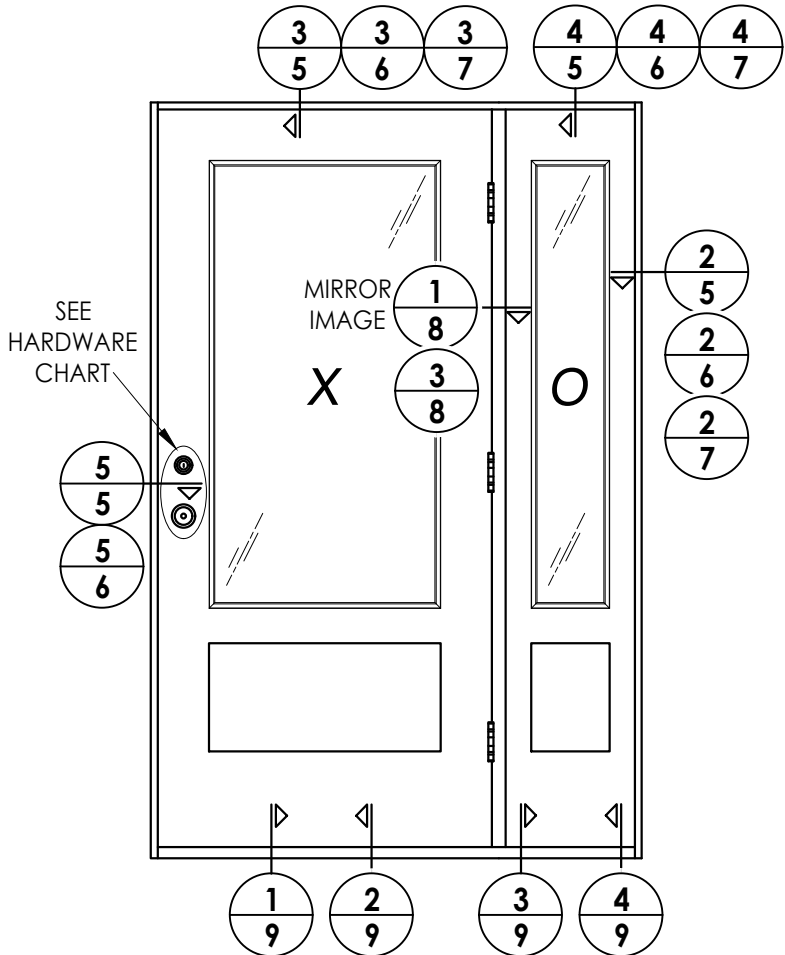
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SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-48194.3
SHEET	3 OF 13

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

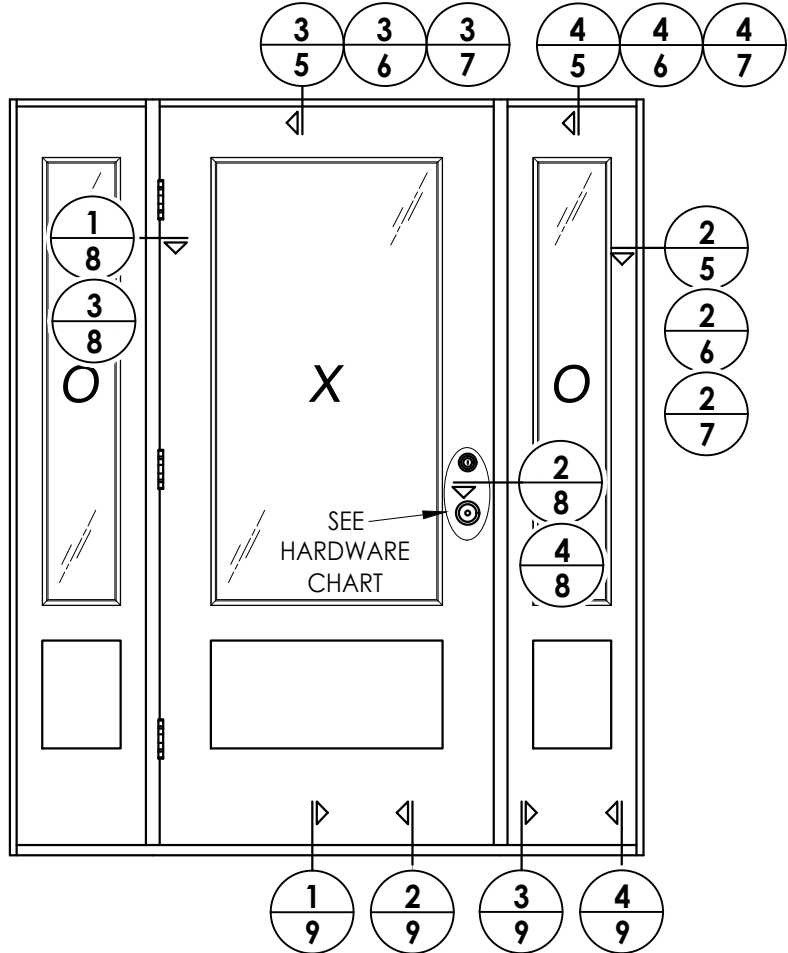
R²W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



XO



XO



OXO

HARDWARE TABLE	
MANUFACTURER	MODEL
SCHLAGE	Knob: F51 Deadbolt: B60
Kwikset	Knob: SIGNATURE SERIES Deadbolt: SIGNATURE SERIES (980)
HOPPE (THERMA-TRU)	MULTIPOINT : MPDGART (3 pt. Manual Tongue)

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

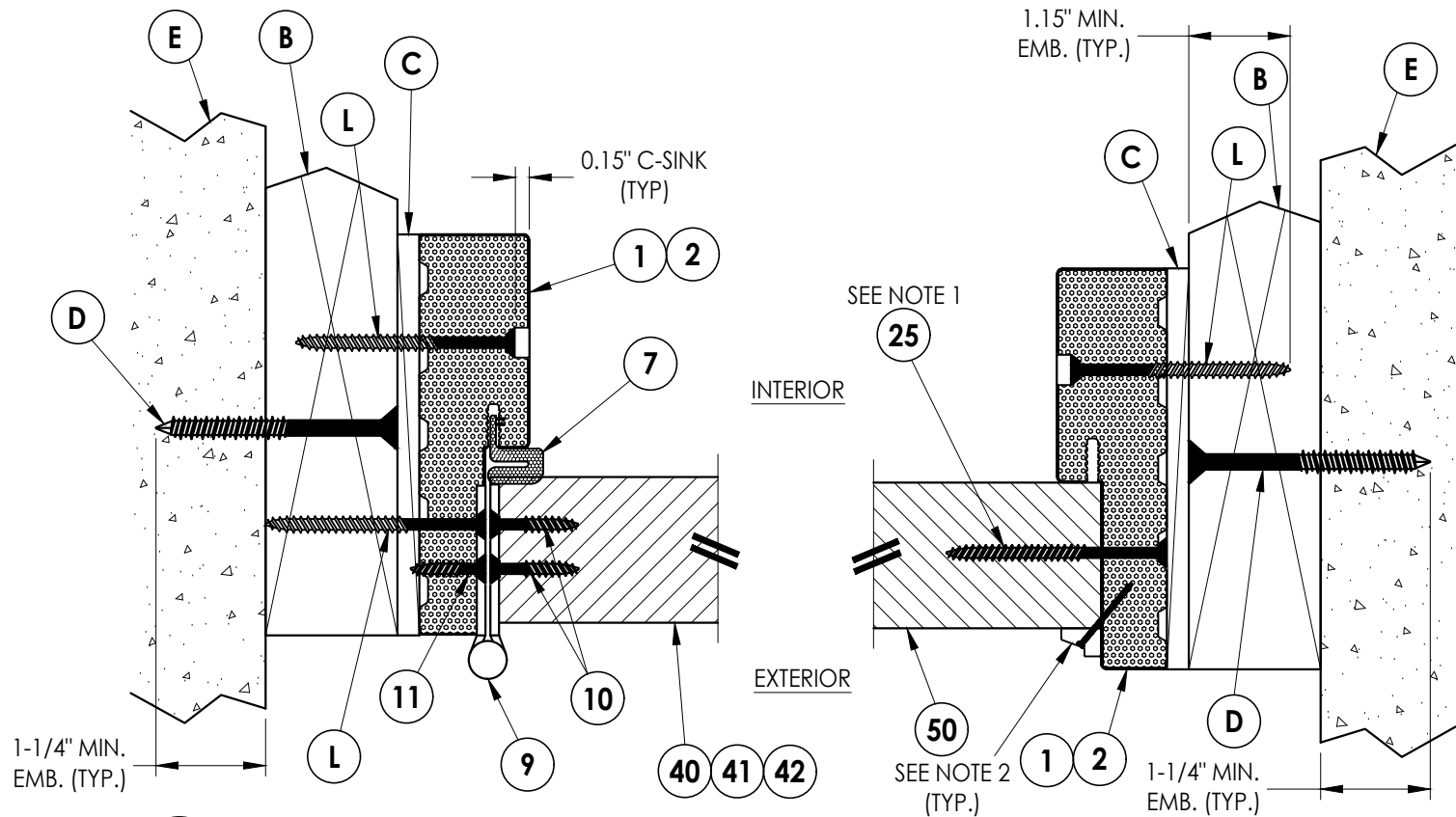
PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

NO.	DATE	REVISIONS	BY

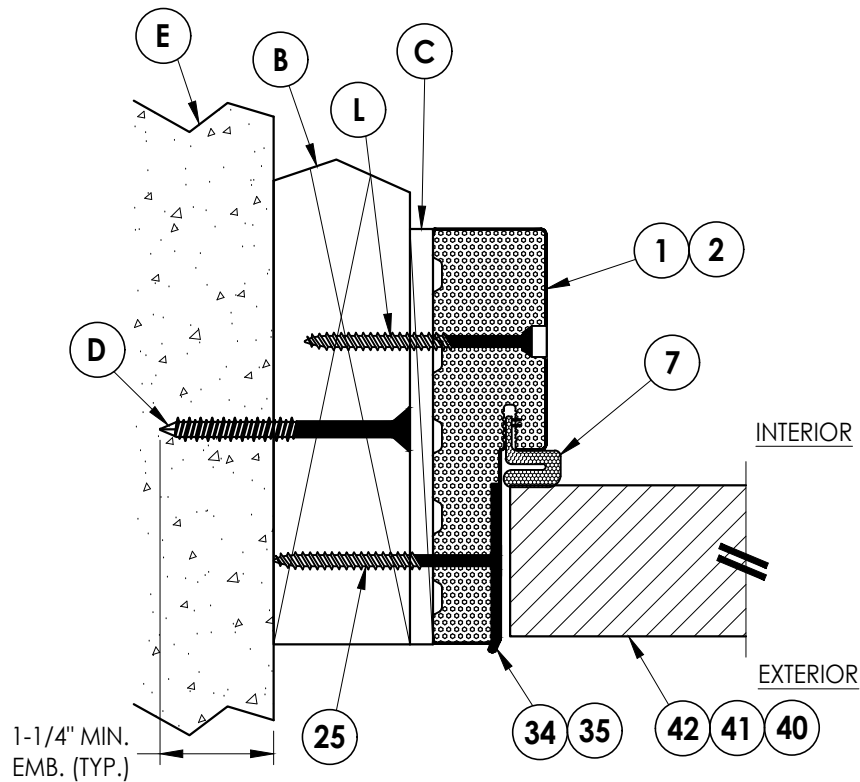
DATE: 5/06/26
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.: FL-48194.3
SHEET 4 OF 13

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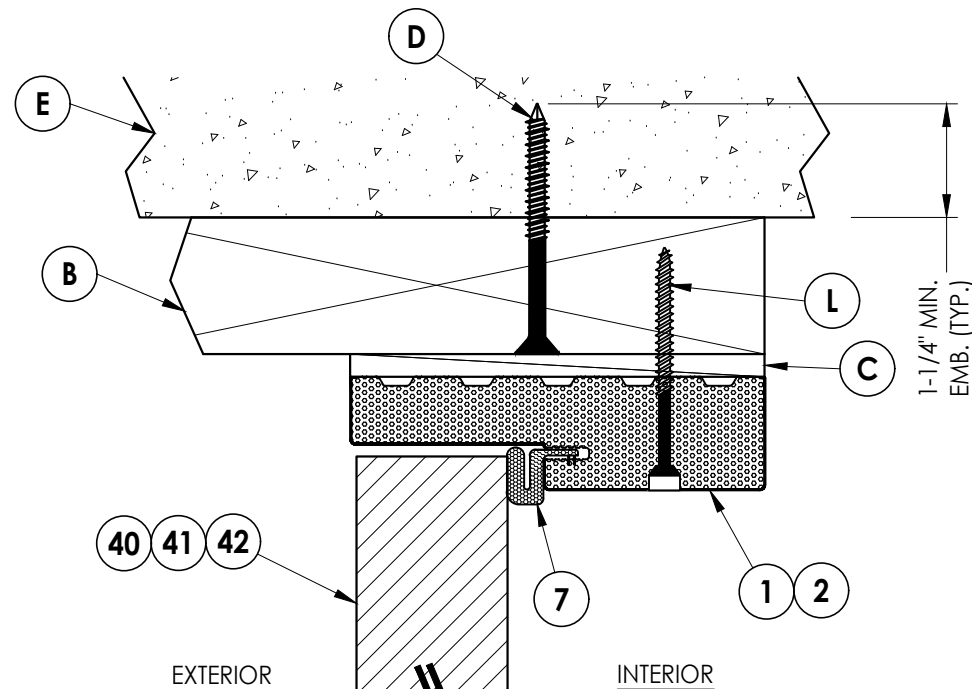


1
5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)

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



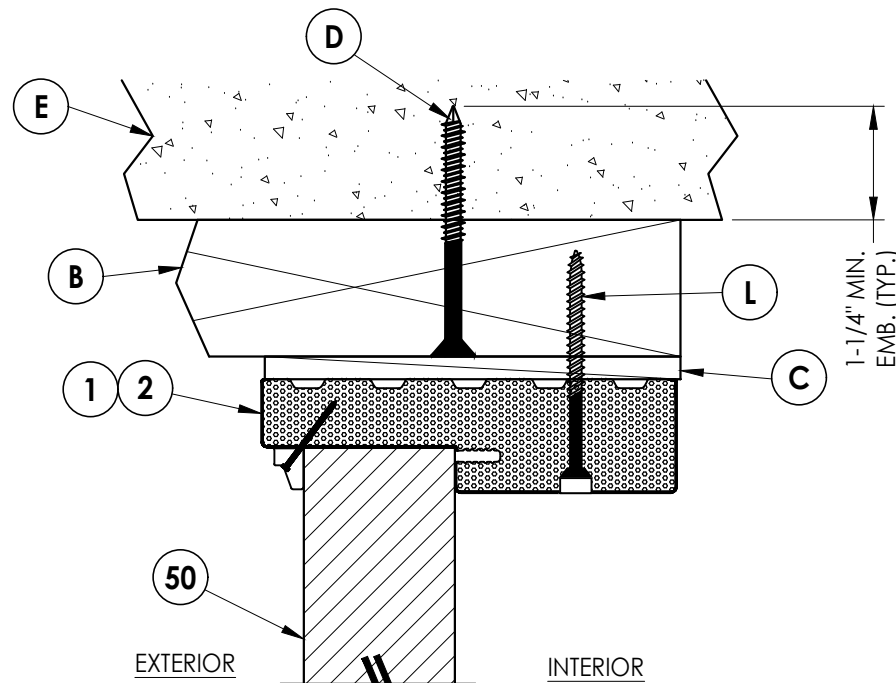
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5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



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

Notes:

1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
2. PVC/Wood Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 8" o.c. max.



4
5 **VERTICAL CROSS SECTION**
Shown w/ 2X 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
FIBERGLASS DOOR

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

NO.	DATE	REVISIONS	BY

DATE: 5/06/26

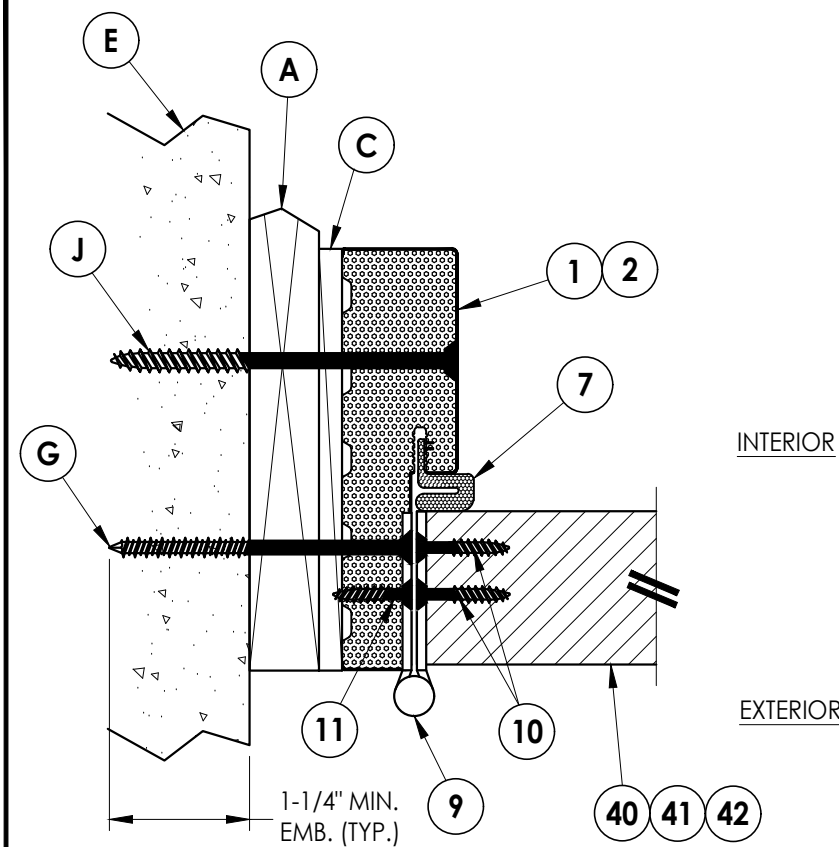
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DWG. BY: LFS

CHK. BY: RW

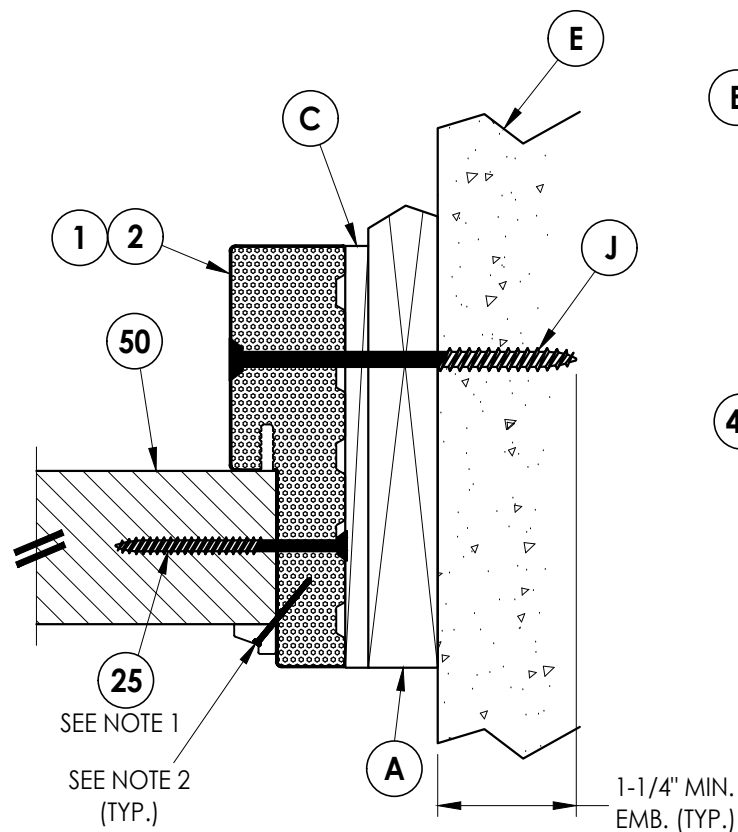
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FL-48194.3

SHEET 5 OF 13



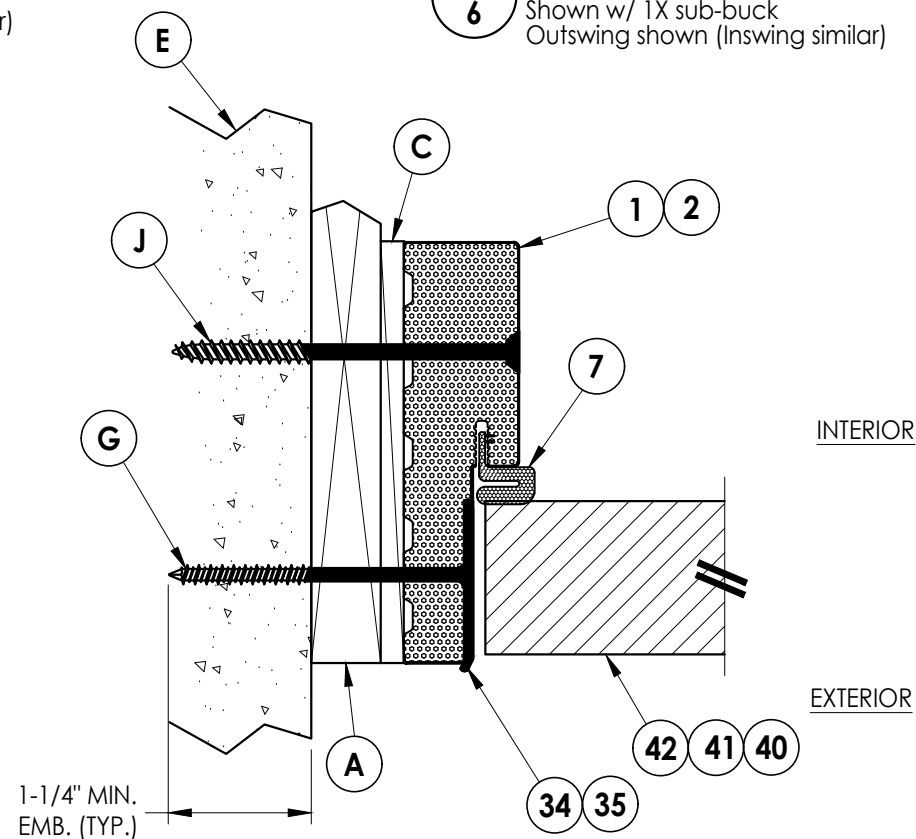
1 6 **HORIZONTAL CROSS SECTION**

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



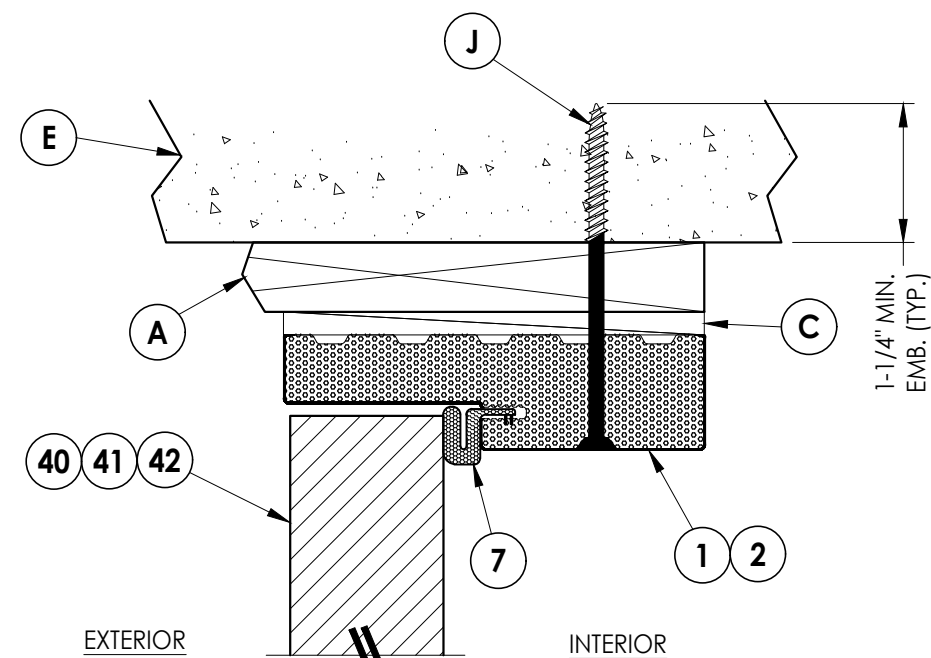
2 6 **HORIZONTAL CROSS SECTION**

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



5 **HORIZONTAL CROSS SECTION**

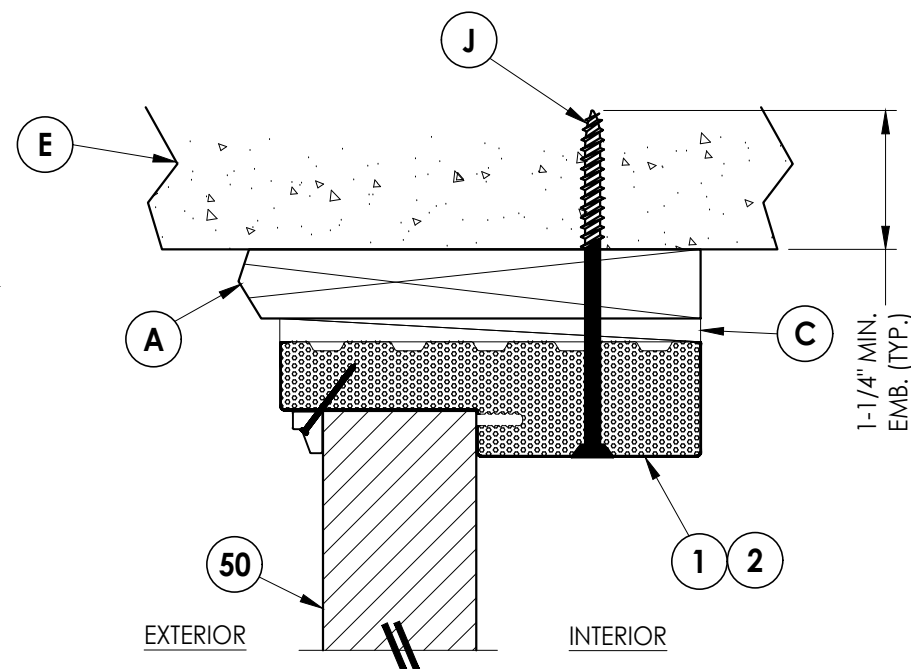
6 Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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

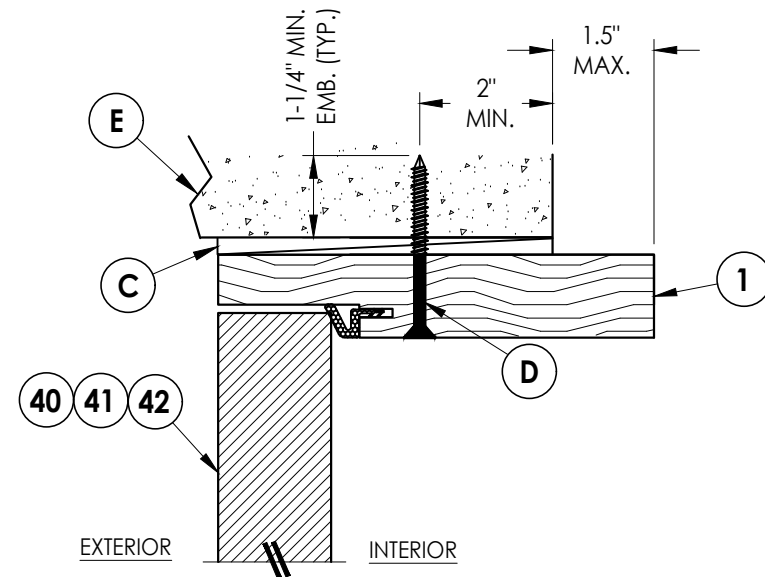
Notes:

1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
2. PVC/Wood Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 8" o.c. max.



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

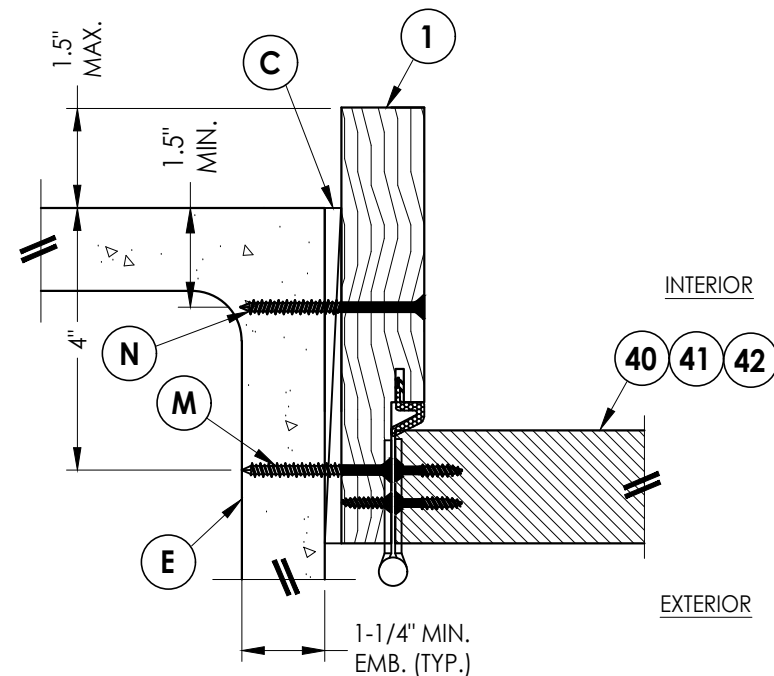
DATE: 5/06/26		PRODUCT: THERMA-TRU FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY:		<i>R^gW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: LFS					
CHK. BY: RW					
DRAWING NO.: FL-48194.3					
SHEET 6 OF 13					
NO. DATE		BY			
REVISIONS					



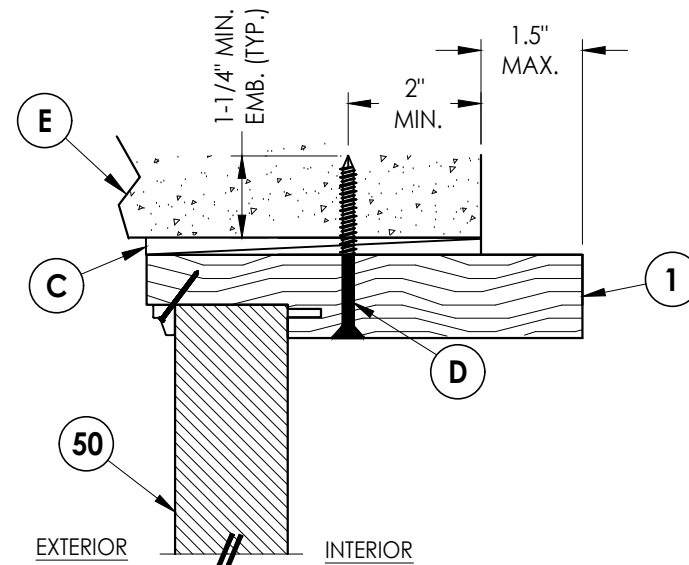
3 **HORIZONTAL CROSS SECTION**
7 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

Note:

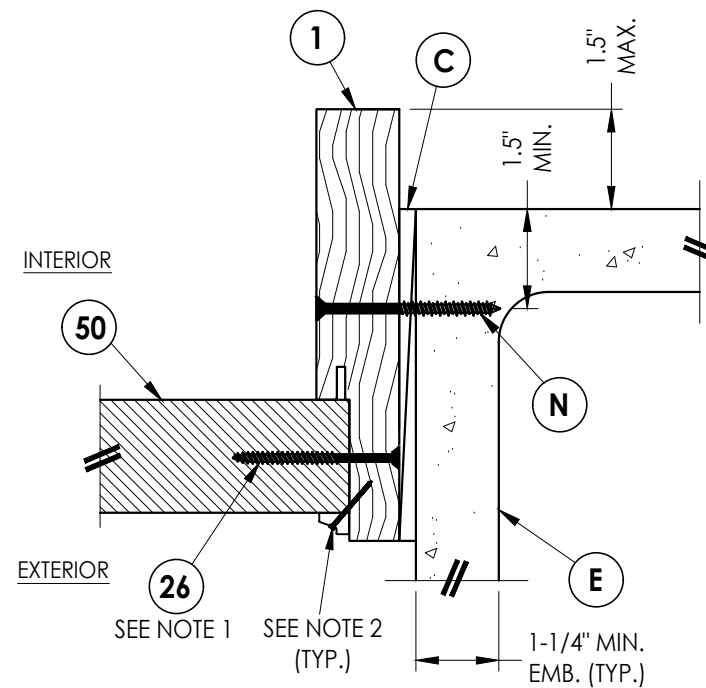
1. Sidelite assembly screws located 4" from each end plus 6 more equally spaced between (6 screws total per side jamb).



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



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



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

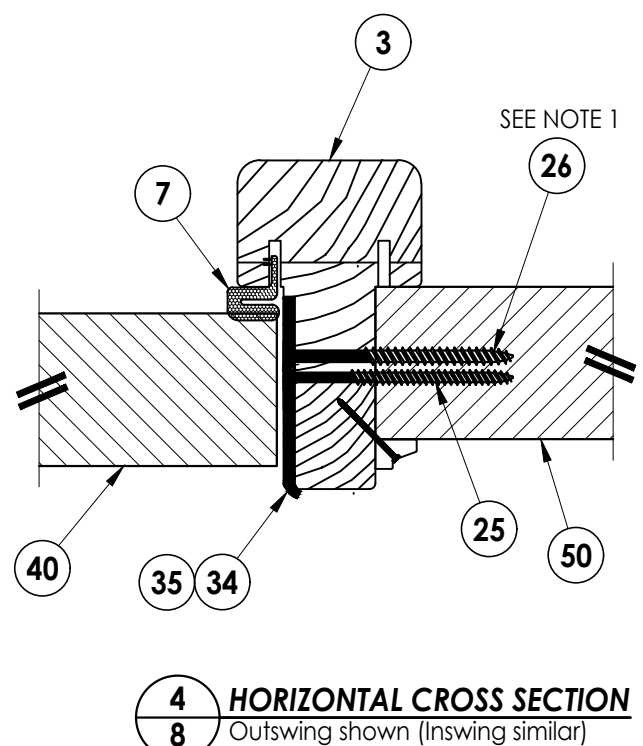
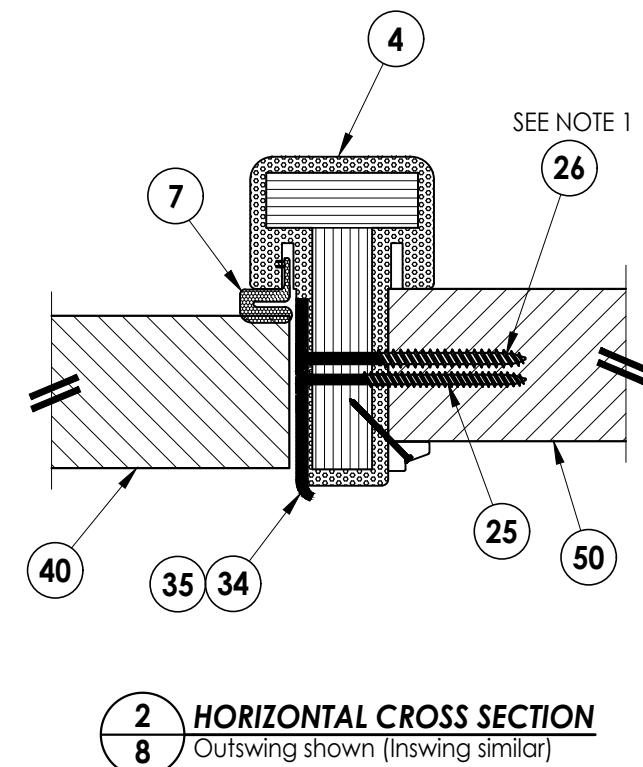
[illegible]

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

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33593
Phone No.: 813.659.9197
FBPE Registry No. 9813

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1. Sidelite assembly screws located as follows (6 total):
From top down - 6" from end plus two more @ 14" o.c.
From bottom up - 3" from end plus two more @ 14" o.c.
2. PVC/Wood Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 8" o.c. max.

[illegible]

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

1. Sill items #14 & 15 are attached to each jamb w/ (3) #8 X 2-1/2" FH Deep Thread Wood Screws.

[illegible]

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

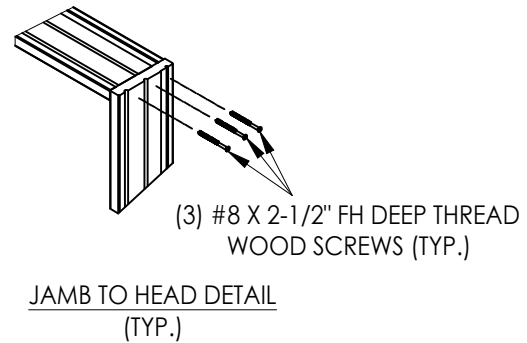
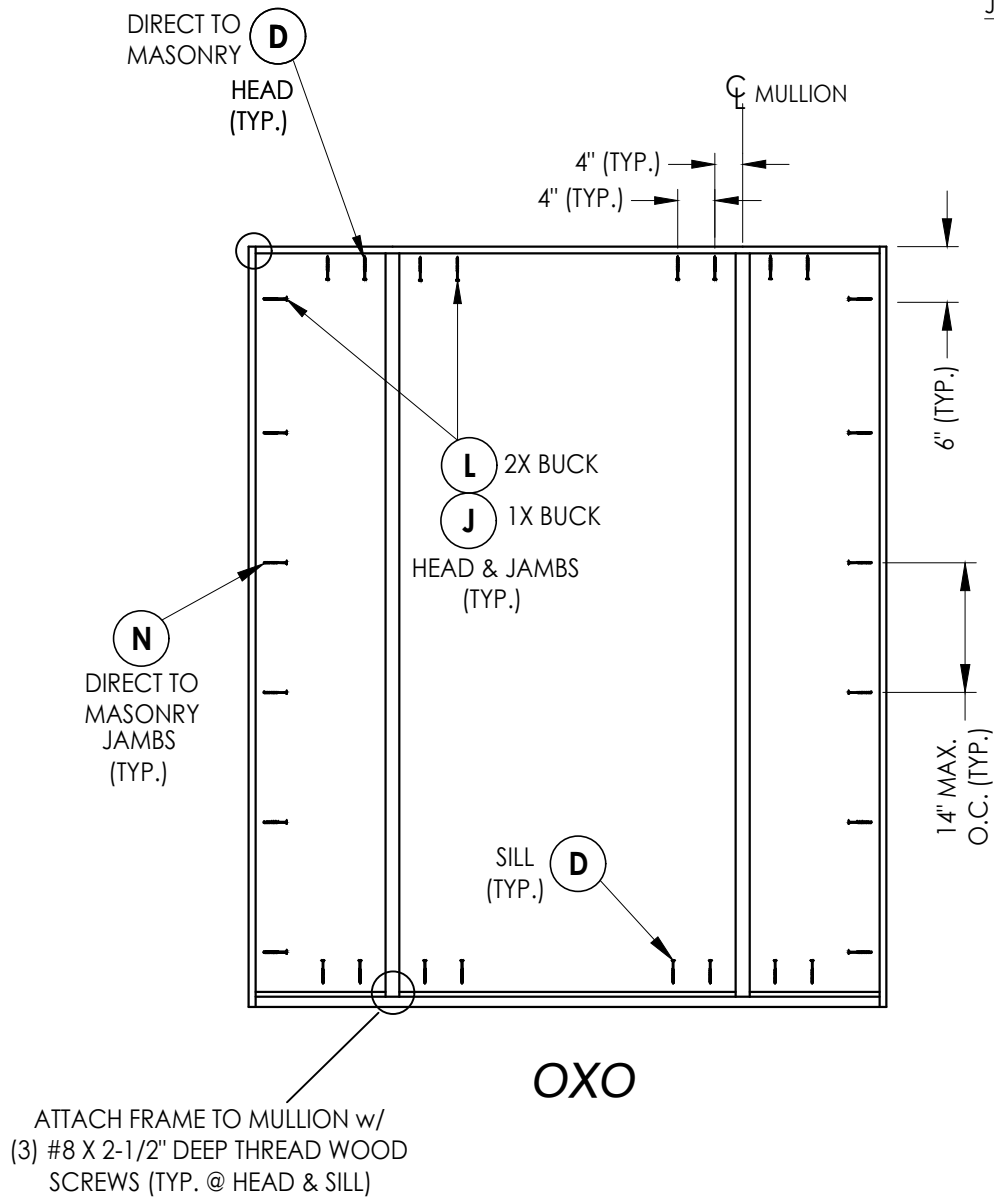
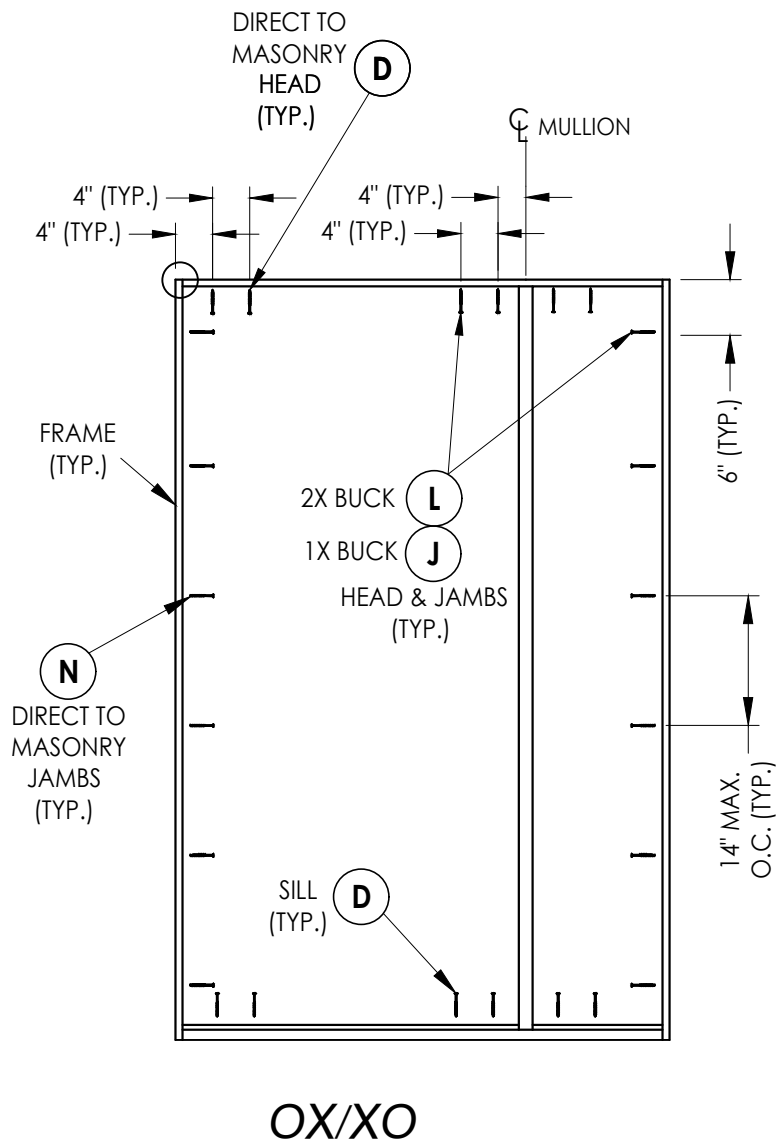
Technical drawing of a window frame assembly. The drawing shows a cross-section of the window frame and its connection to the wall. Key components and dimensions include:

- JAMBS:** The vertical frame members on either side of the window opening.
- HEAD & JAMBS (TYP.):** The top frame member and the vertical members (typical).
- 2" (TYP.):** Dimension indicating the typical width of the head jamb.
- 4" (TYP.):** Dimension indicating the typical width of the jamb.
- 4" (TYP.):** Dimension indicating the typical width of the jamb.
- 4" (TYP.):** Dimension indicating the typical width of the jamb.
- 16" MAX. O.C. (TYP.):** Dimension indicating the maximum on-center spacing of the vertical framing members (typical).
- D:** A circular detail callout pointing to the head jamb area.

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

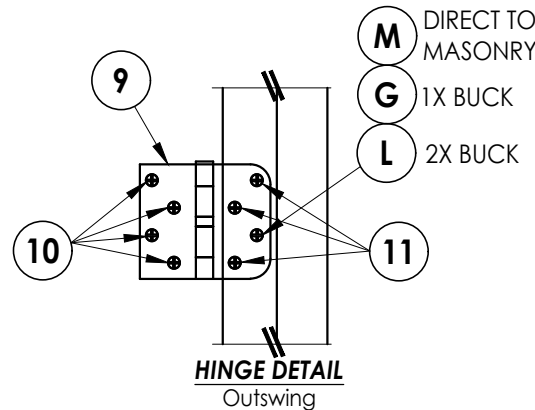
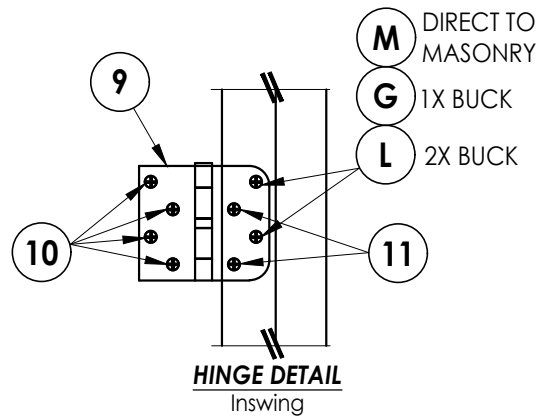
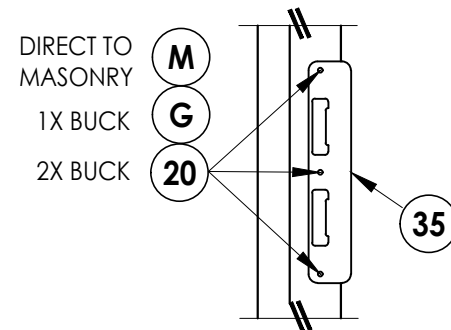
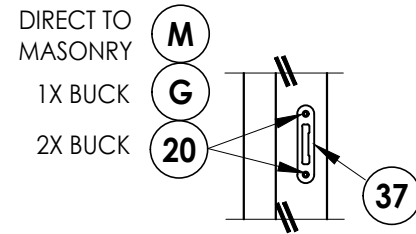
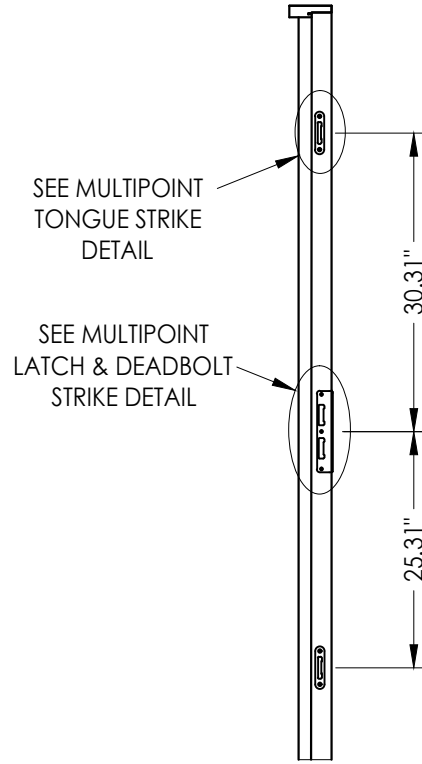
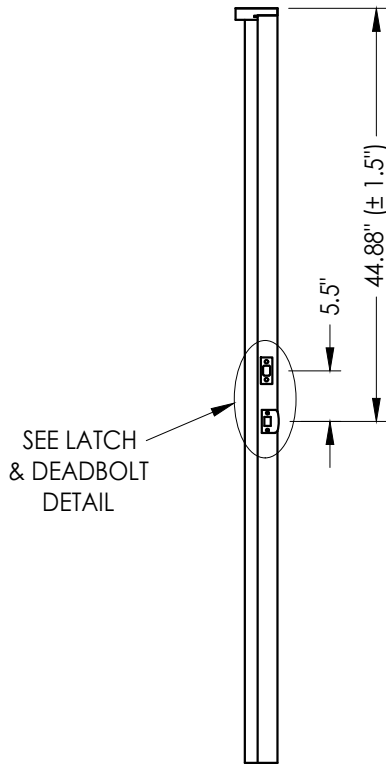
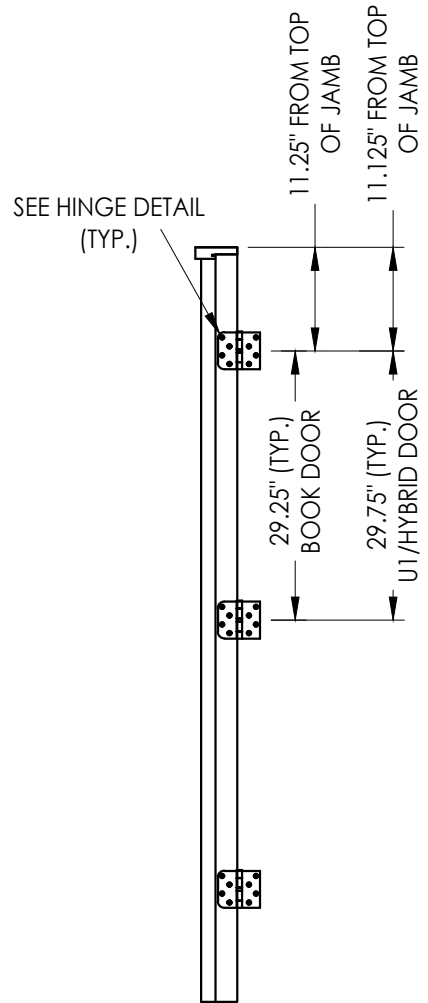
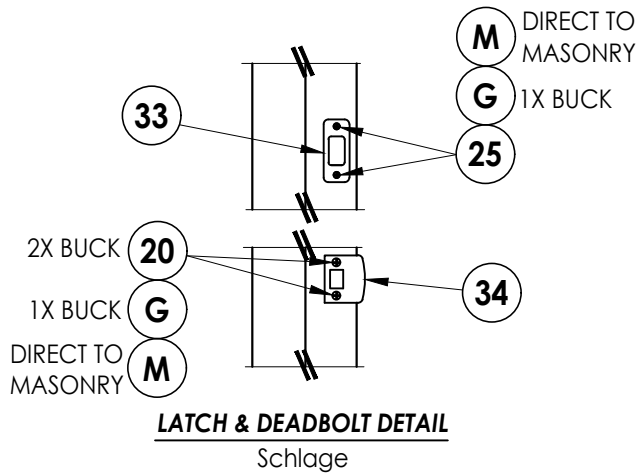
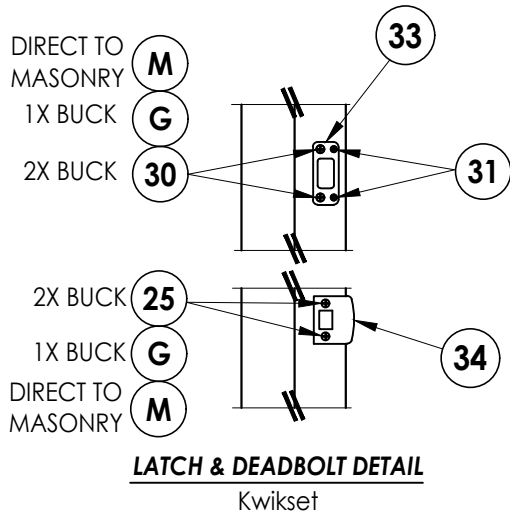
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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FRAME ANCHORING

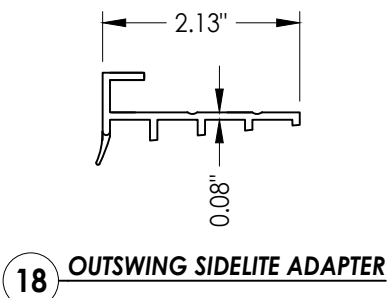
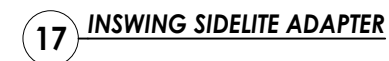
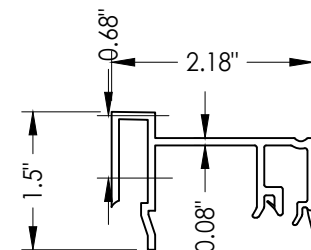
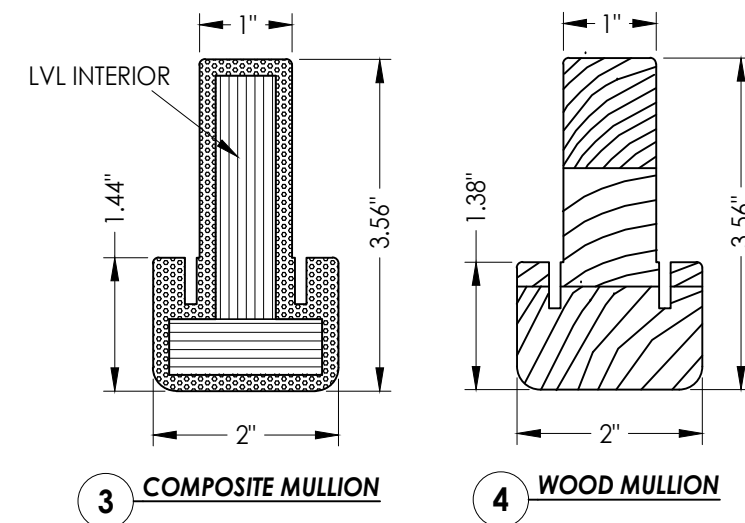
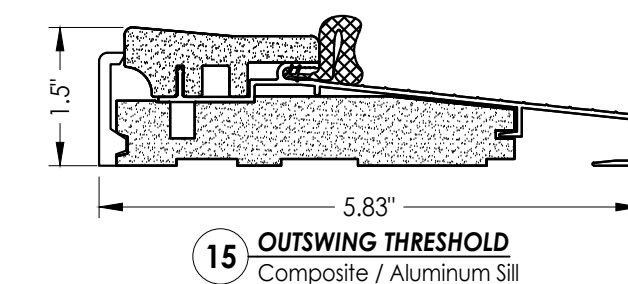
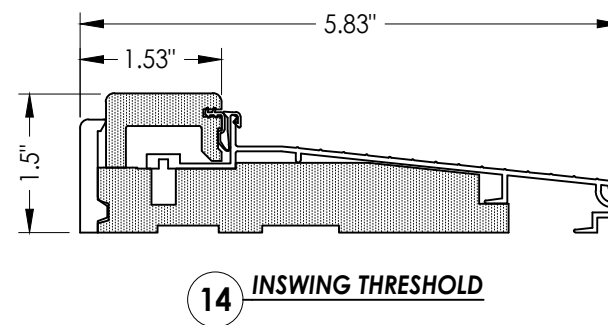
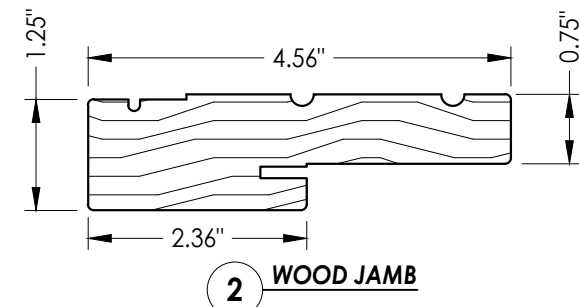
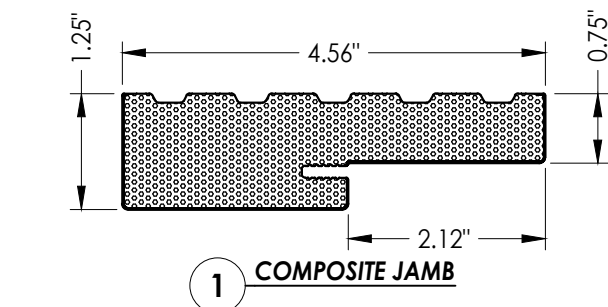
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: FRAME ANCHORING	
</			



LATCH & DEADBOLT STRIKE 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			
PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: HARDWARE DETAILS					
				NO.	DATE	BY	REVISIONS
DATE: 5/06/26							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-48194.3							
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
G	3/16" X 3-1/4" PFH 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
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL
1	COMPOSITE JAMB	COMP
2	WOOD JAMB (FINGER JOINT PINE)	WOOD
3	COMPOSITE MULLION	COMP
4	WOOD MULLION (FINGER JOINT PINE)	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
9	4" X 4" HINGE	STEEL
10	#10 X 1" PFH WOOD SCREW	STEEL
11	#10 X 3/4" PFH WOOD SCREW	STEEL
14	INSWING THRESHOLD	ALUM/COMP
15	OUTSWING THRESHOLD	ALUM/COMP
17	INSWING SIDELITE ADAPTER	VINYL
18	OUTSWING SIDELITE ADAPTER	VINYL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
26	#8 X 2-1/2" PFH DEEP THREAD WOOD SCREW	STEEL
30	#12 X 2-1/2" PFH WOOD SCREW	STEEL
31	#8 X 3/4" PFH WOOD SCREW	STEEL
33	DEADBOLT STRIKE PLATE	STEEL
34	LATCH STRIKE PLATE	STEEL
35	MULTIPOINT LATCH STRIKE PLATE	STEEL
37	MULTIPOINT TONGUE STRIKE PLATE	STEEL
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 ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	AS SHOWN	AS SHOWN

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.

Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

REVISIONS

DATE: 5/06/26

SCALE: *N.T.S.*

DWG. BY: *LFS*

CHK. BY: RW

DRAWING NO.:

FL-48194.3

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