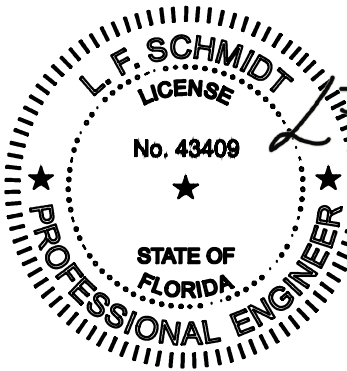


THERMA-TRU[®]
DOORS

Fiber-Classic[®] & Smooth-Star[®]

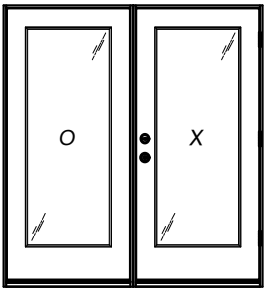
COMPOSITE EDGE
FLUSH GLAZED FIBERGLASS
SINGLE DOOR w/ SIDELITE(S)
INSWING/OUTSWING
"IMPACT"



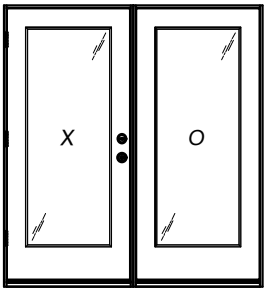
Digitally signed
by Lyndon F
Schmidt
Date: 2026.08.10
10:50:07 -04'00'

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.

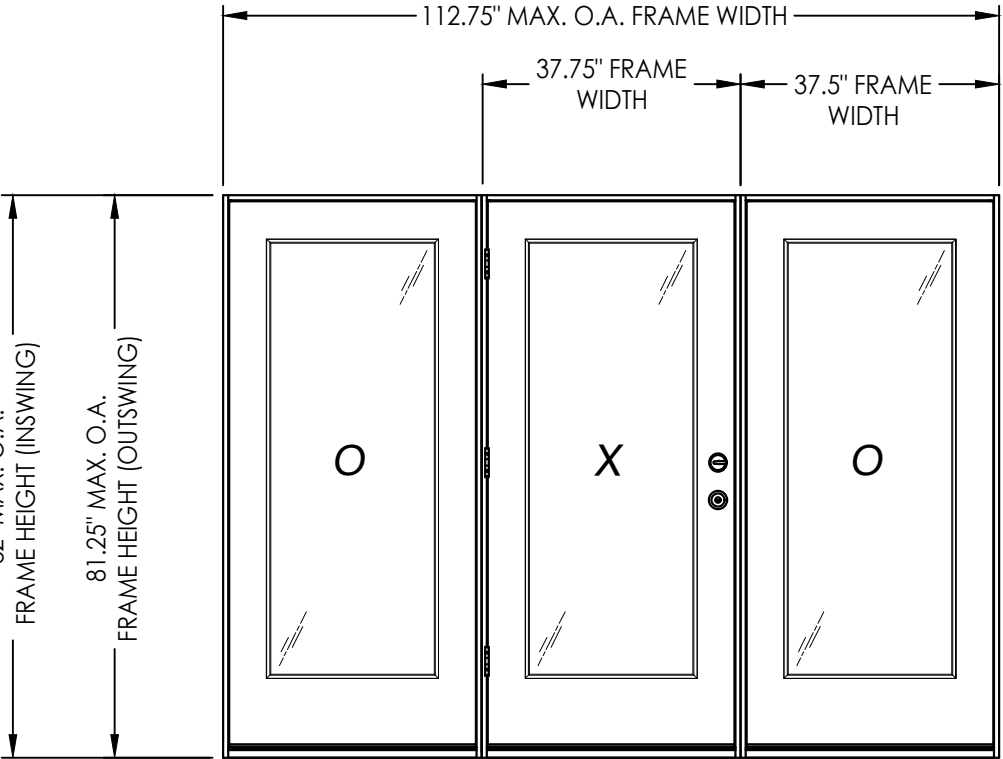
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



OX



XO



GENERAL NOTES

- 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).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- 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.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
- 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	SHEET #	
1	Typical Elevations, Design Pressures & General Notes	8	Horizontal Cross Sections
2	Door Panel 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)		

CONFIGURATION	JAMB MATERIAL	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OX, XO, OXO	FJ PINE	+45.0	-50.0	+50.0	-50.0
	COMPOSITE	+50.0	-50.0	+50.0	-50.0

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

PRODUCT:

THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

DATE:

6/17/24

SCALE:

N.T.S.

DWG. BY:

LFS

CHK. BY:

RW

DRAWING NO.:

FL-46832.2

SHEET

1

OF

13

REVISIONS

NO.	DATE	BY	LFS
1	7/03/26	UPDATE TO 9TH ED. (2026)	FBC

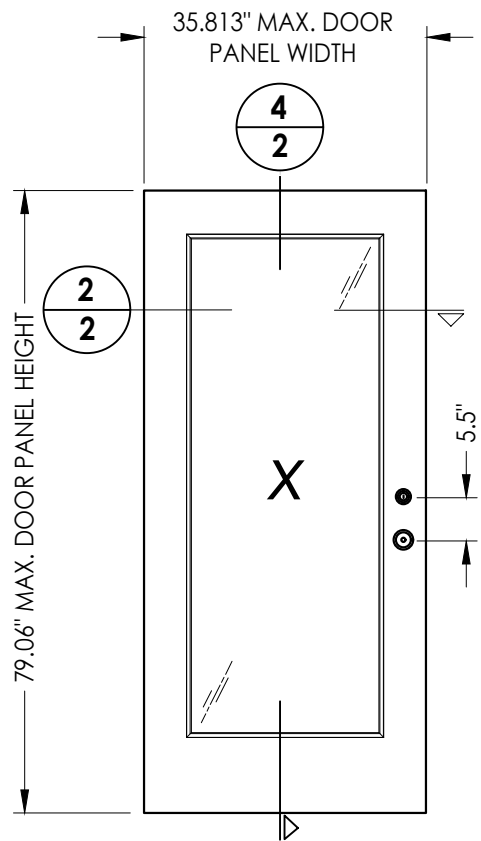
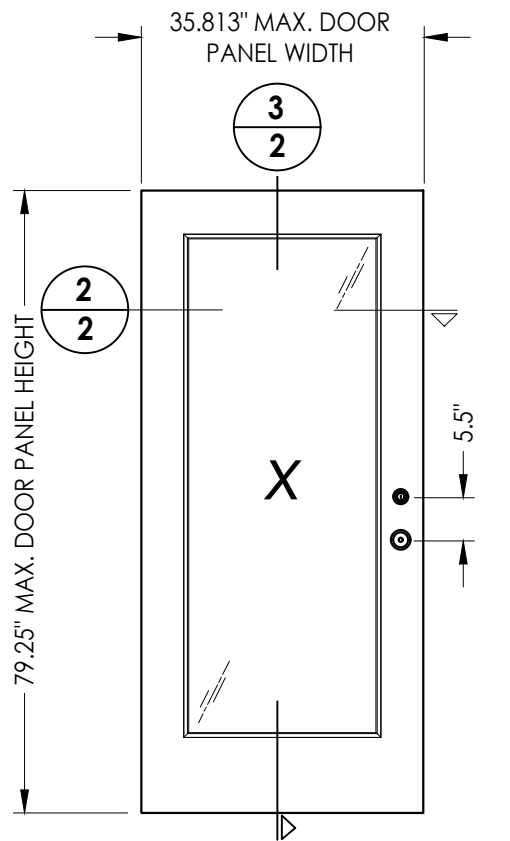
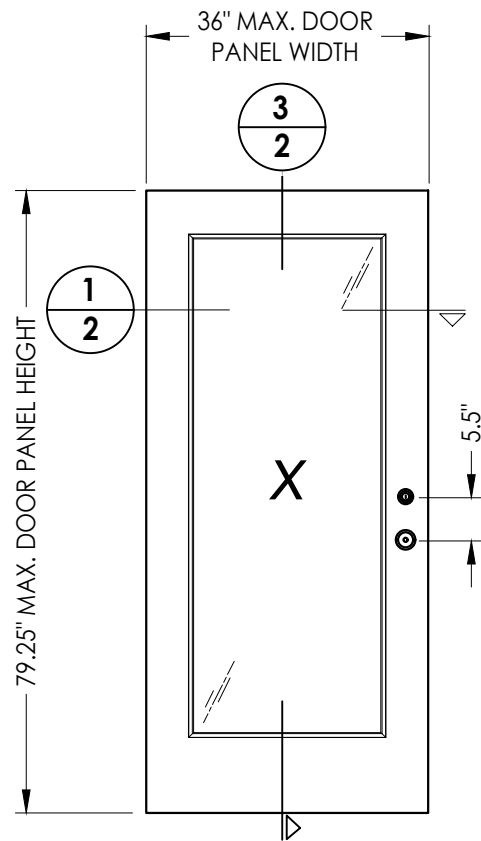
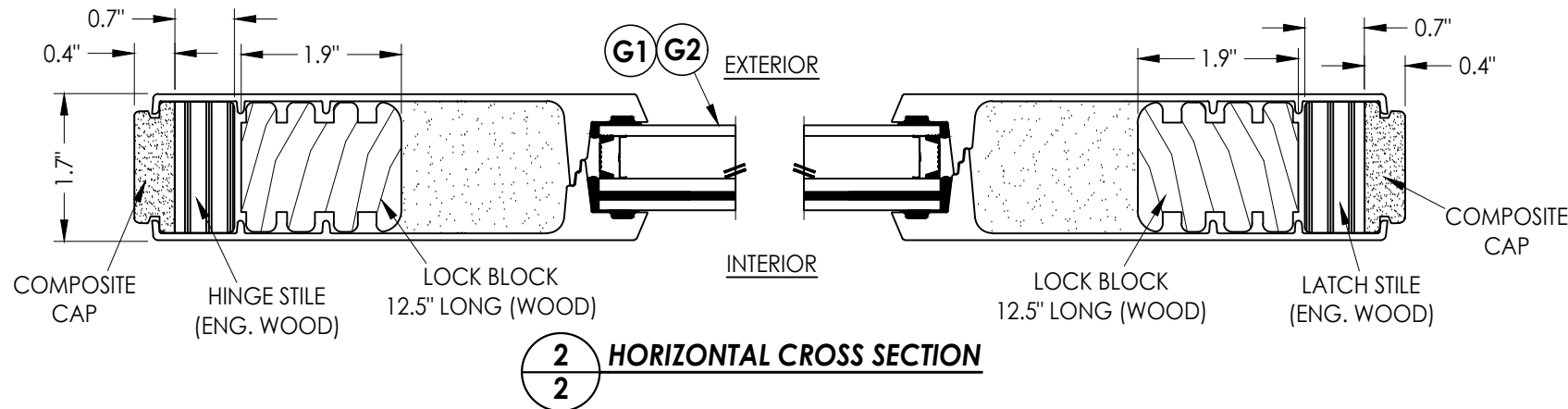
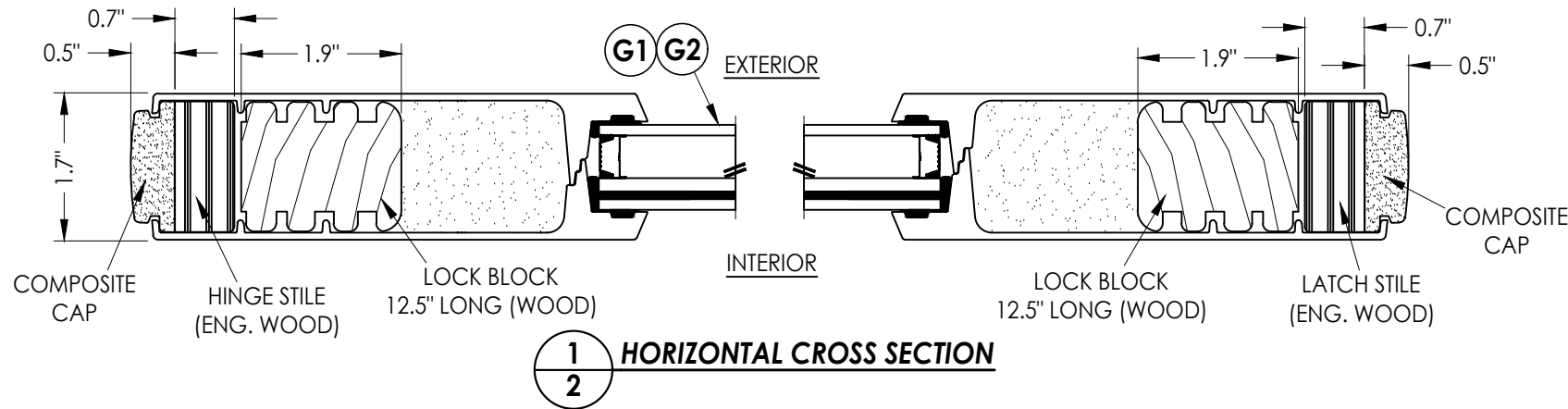
RW BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

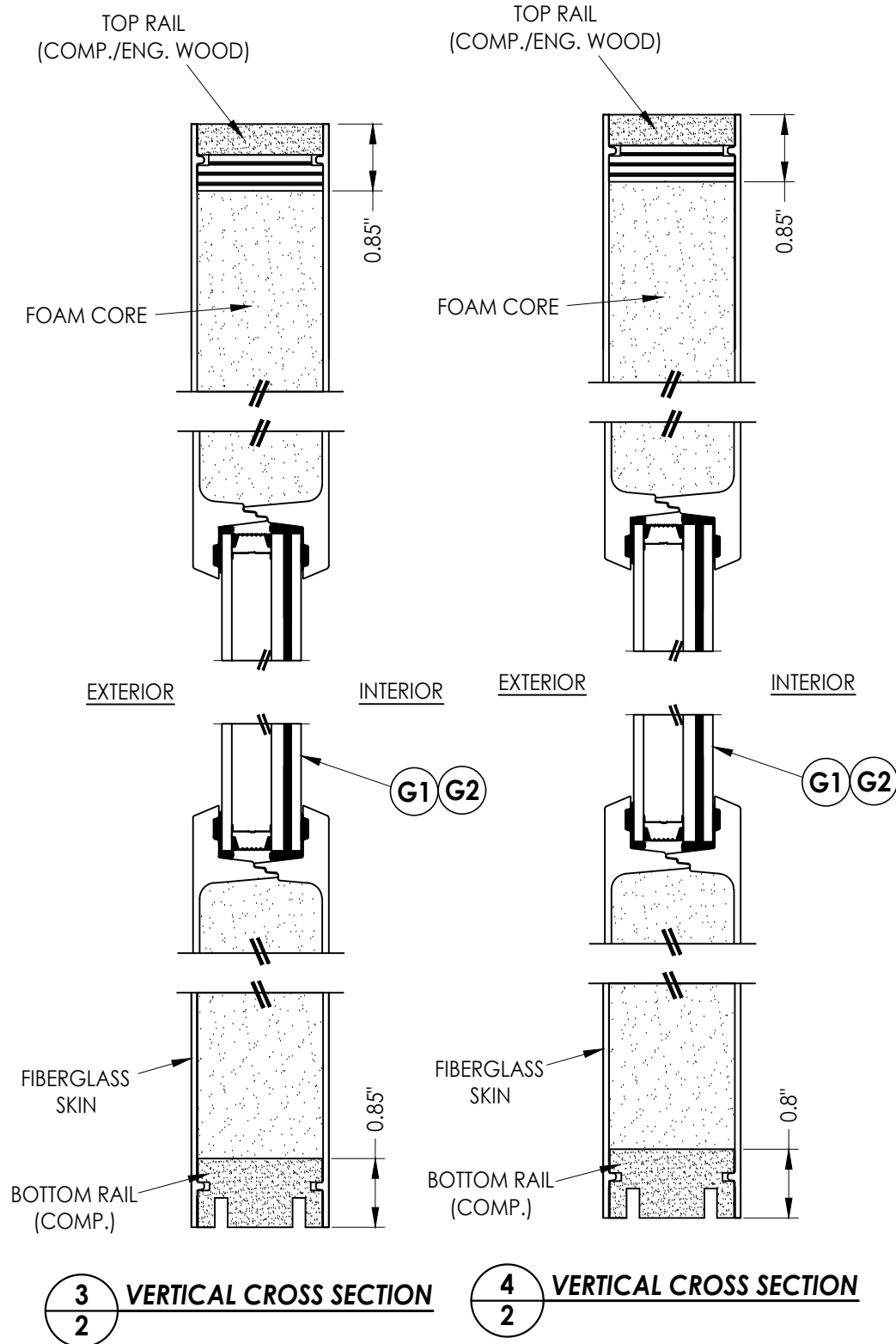
Phone No.: 813.659.9197

FBPE Registry No. 9813

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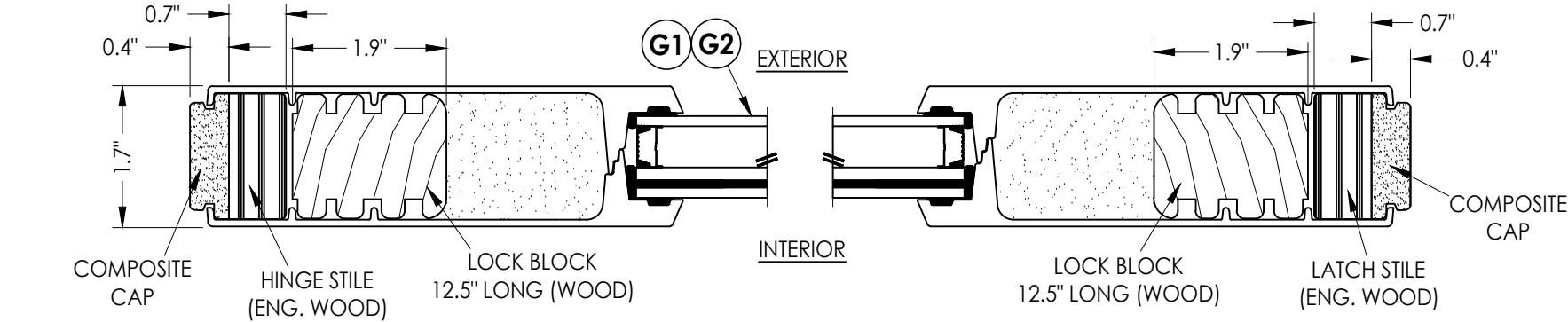


FIBERGLASS SKIN: 0.077" MIN. THK.
FOAM CORE: POLYURETHANE -1.9 PCF MIN.

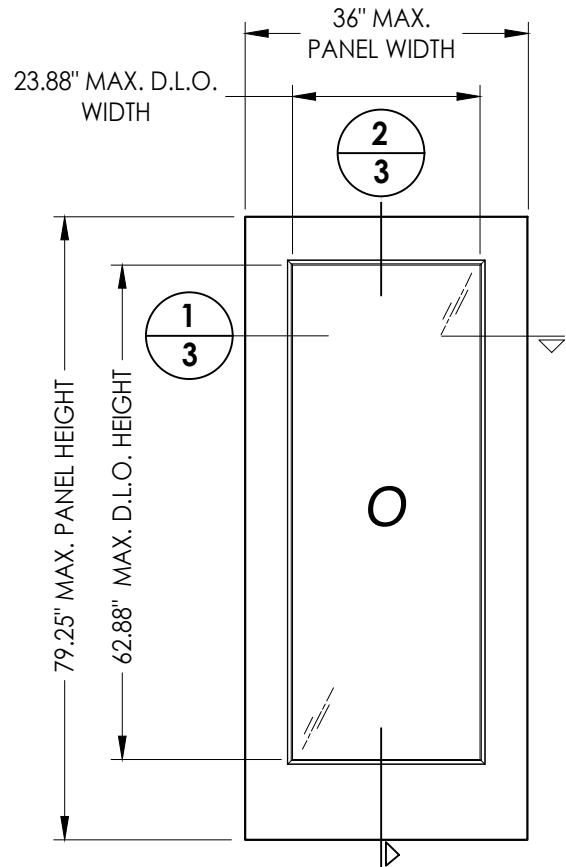


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS	
		LFS	BY
		1	7/03/26
		NO.	DATE
		REVISIONS	
DATE: 6/17/24		SCALE: N.T.S.	
DWG. BY: LFS		CHK. BY: RW	
DRAWING NO.: FL-46832.2		SHEET 2 OF 13	

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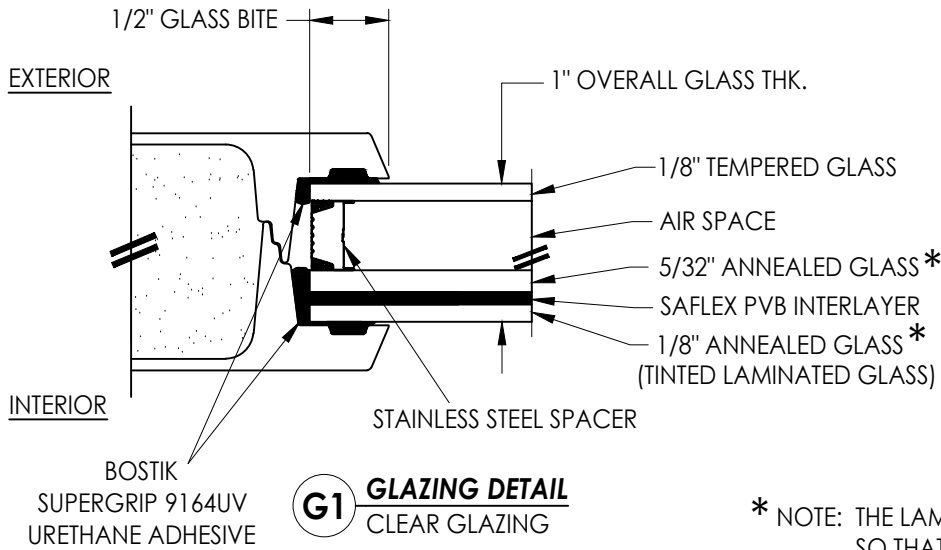


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3 **HORIZONTAL CROSS SECTION**

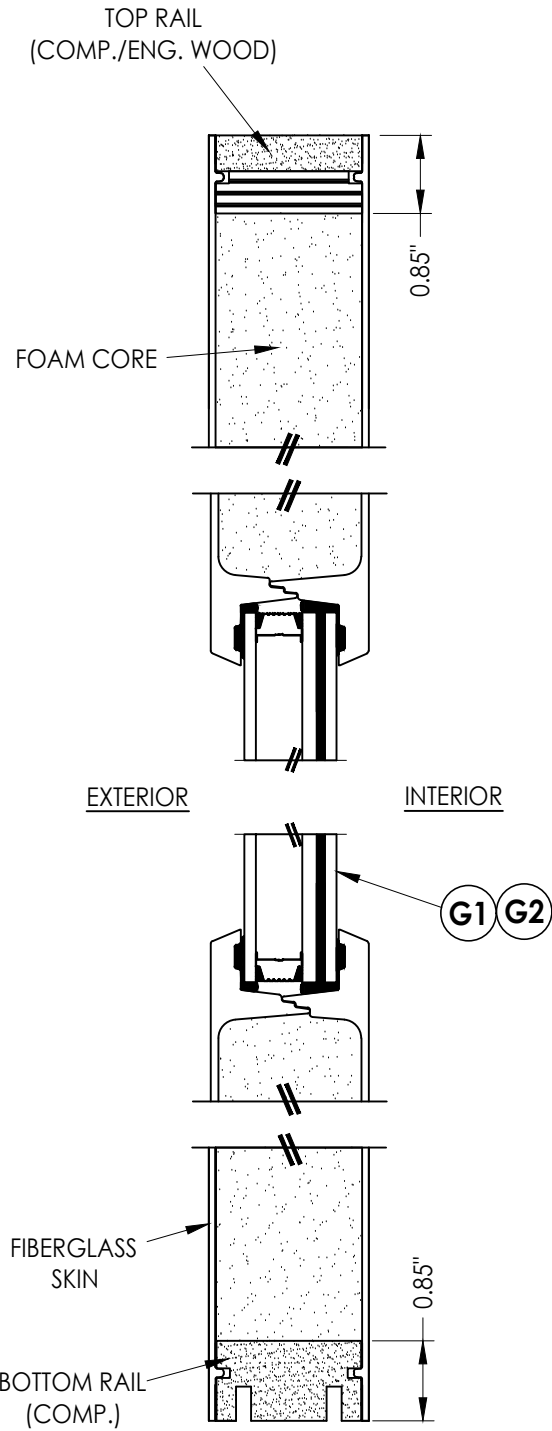
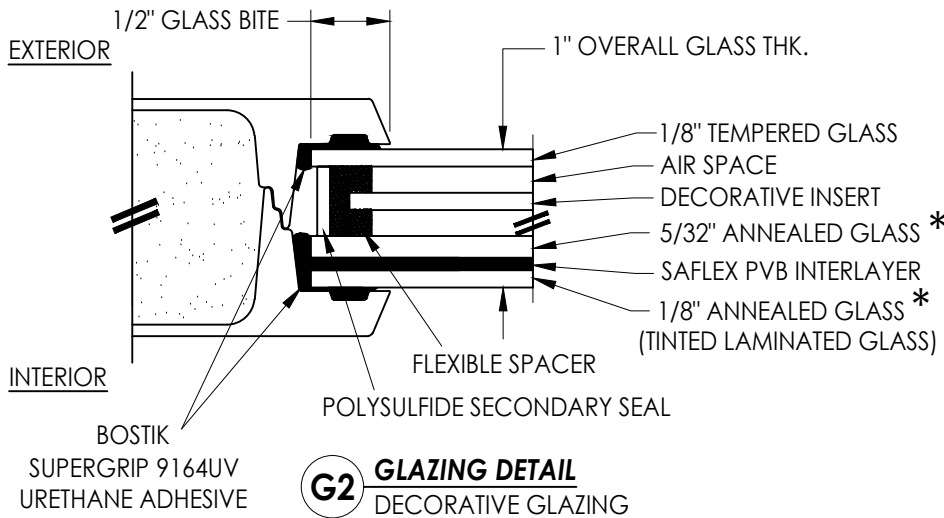


50 **FIBERGLASS DOOR PANEL**
COMPOSITE EDGE

FIBERGLASS SKIN: 0.077" MIN. THK.
FOAM CORE: POLYURETHANE -1.9 PCF MIN.



* NOTE: THE LAMINATED GLASS MAY BE FLIPPED SO THAT THE 5/32" ANNEALED GLASS IS ADJACENT TO THE FLUSH GLAZING FRAME.



2
3 **VERTICAL CROSS SECTION**

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:
SIDELITE PANEL
& GLAZING DETAILS

NO.	DATE	REVISIONS
1	7/03/26	UPDATE TO 9TH ED. (2026) FBC
LFS	BY	

DATE: 6/17/24

SCALE: N.T.S.

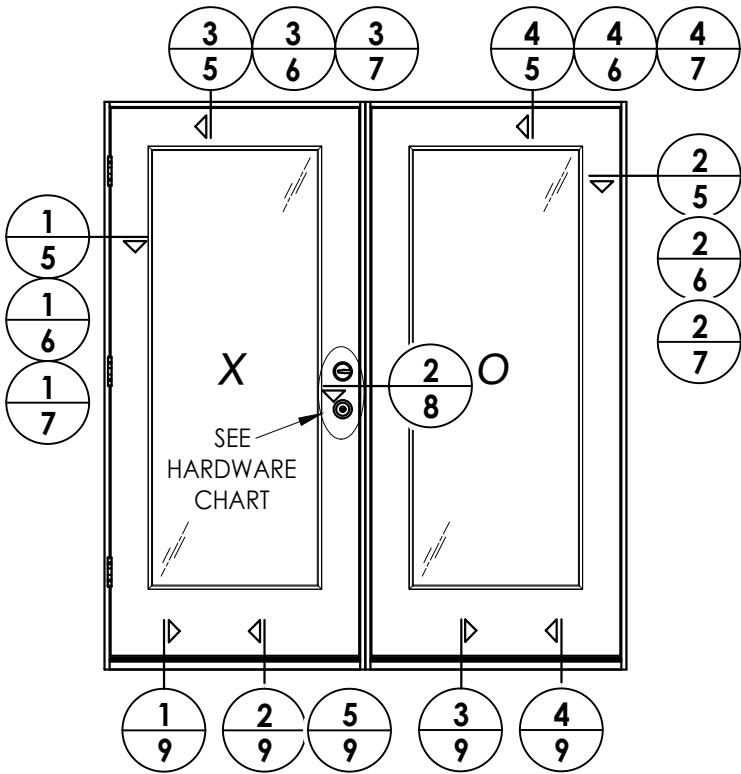
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CHK. BY: RW

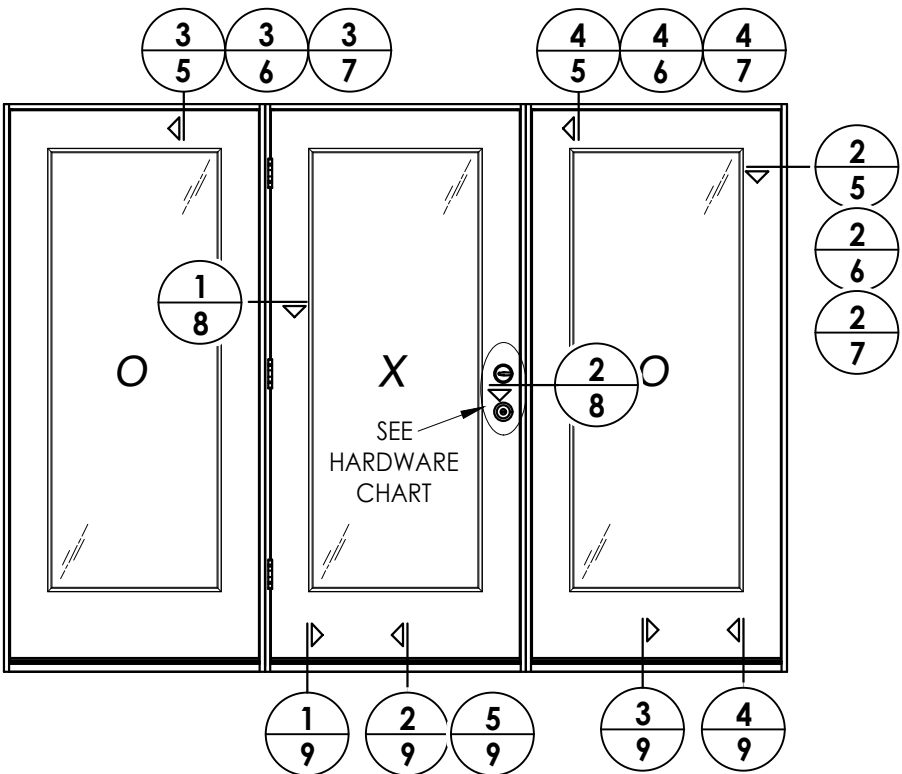
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SHEET 3 OF 13

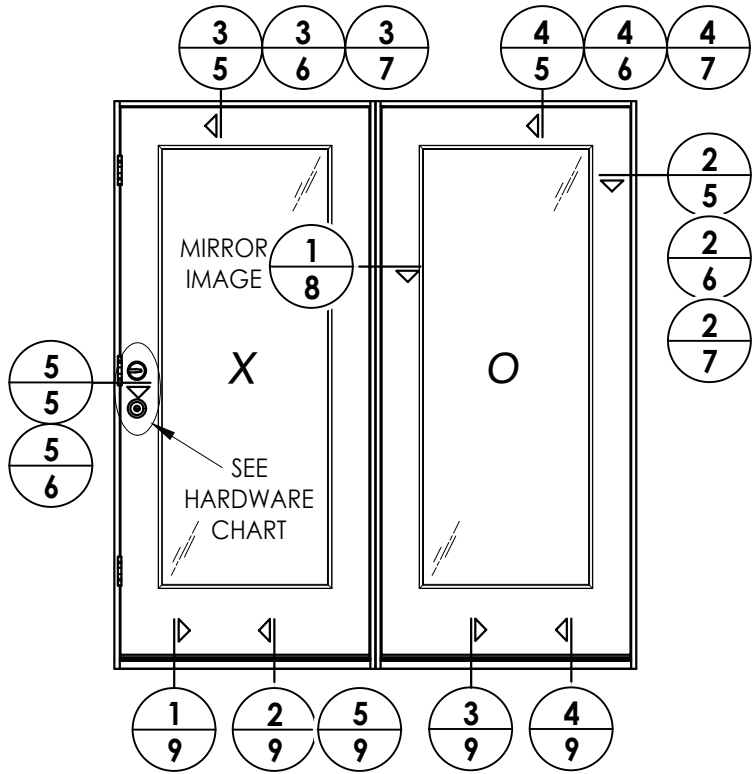
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ELEVATION
XO



ELEVATION
OXO



ELEVATION
XO

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)	

PRODUCT:		PART OR ASSEMBLY:	
THERMA-TRU		ELEVATIONS	
FIBERGLASS DOOR		REVISIONS	
NO.	DATE	BY	
1	7/03/26	FBC	

DATE: 6/17/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

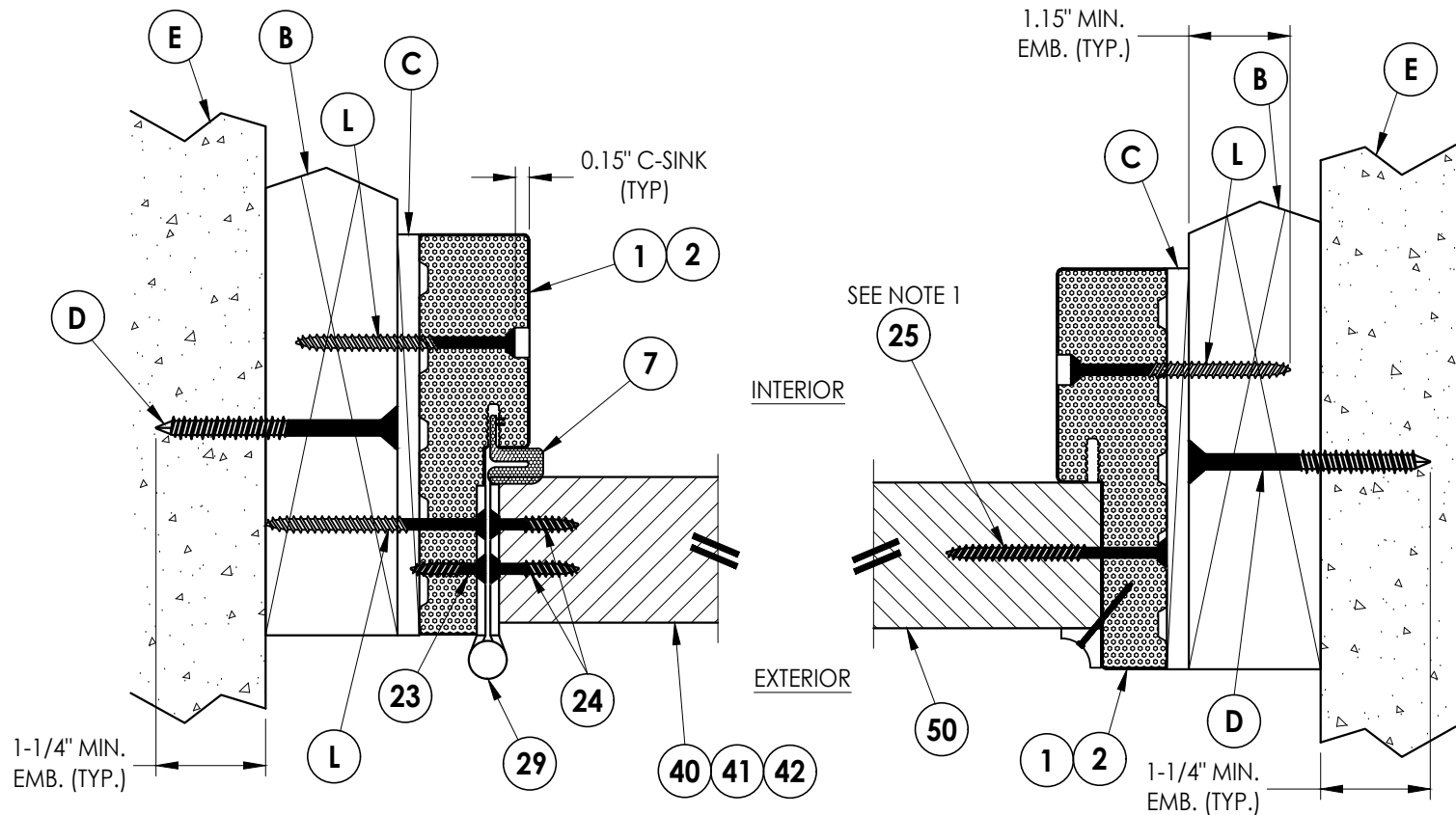
FL-46832.2

SHEET 4 OF 13

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

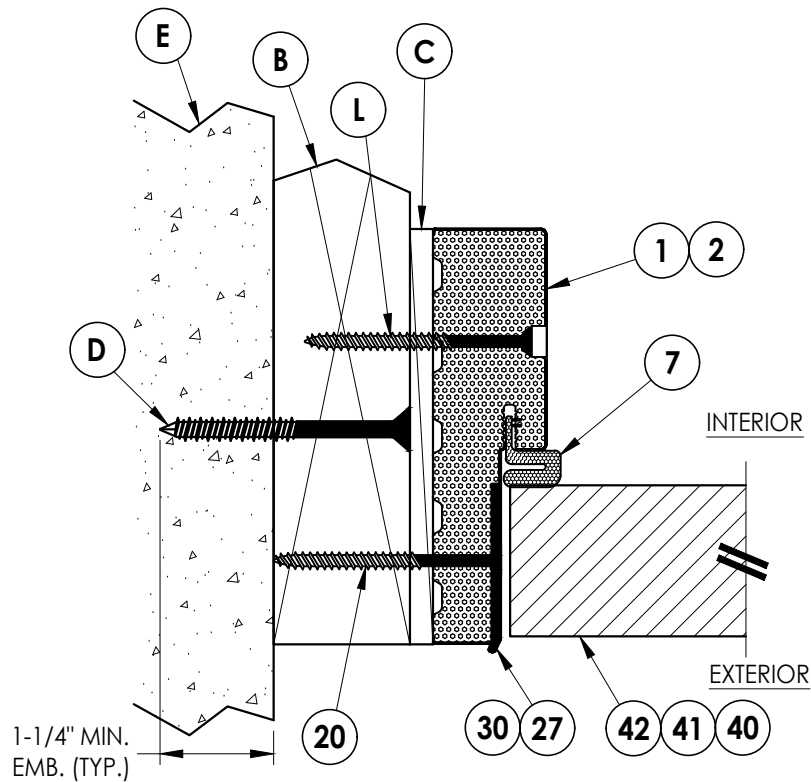
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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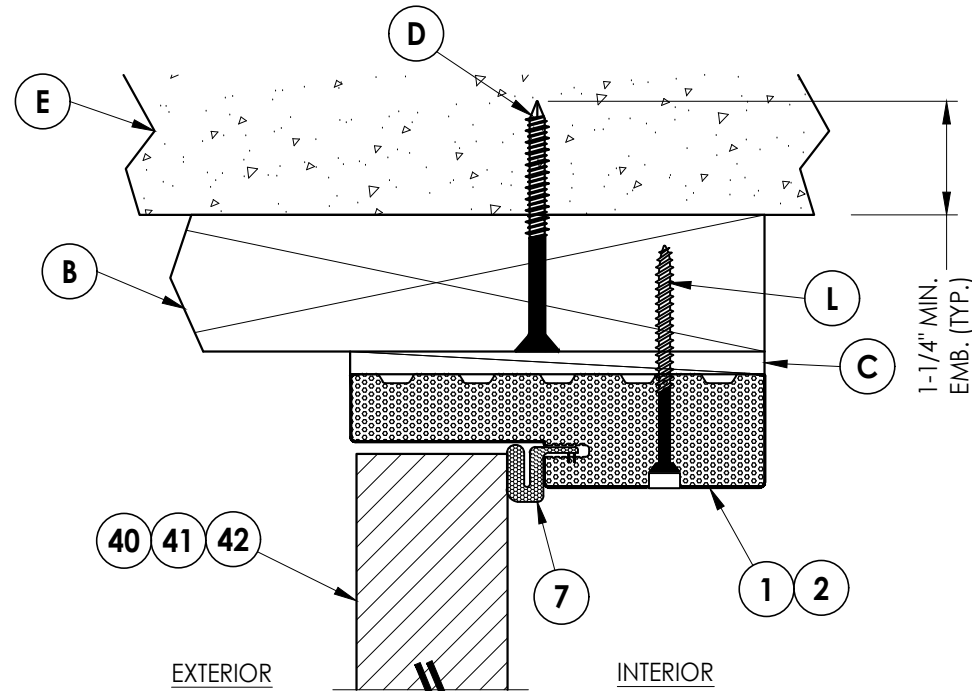
1
5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)

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

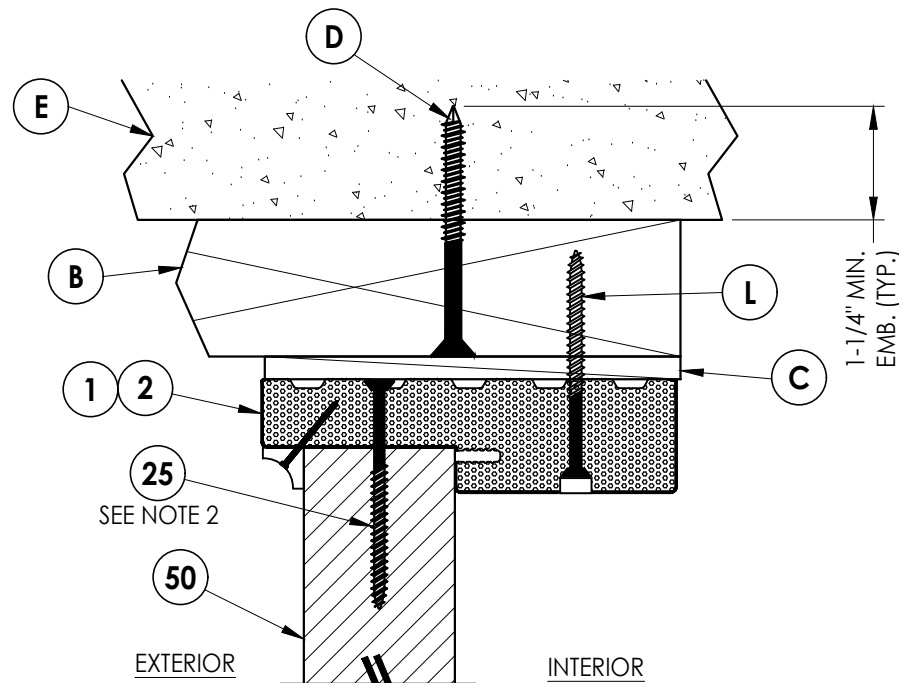


5
5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)

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



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
1	7/03/26	UPDATE TO 9TH ED. (2026) FBC

DATE: 6/17/24

SCALE: N.T.S.

DWG. BY: LFS

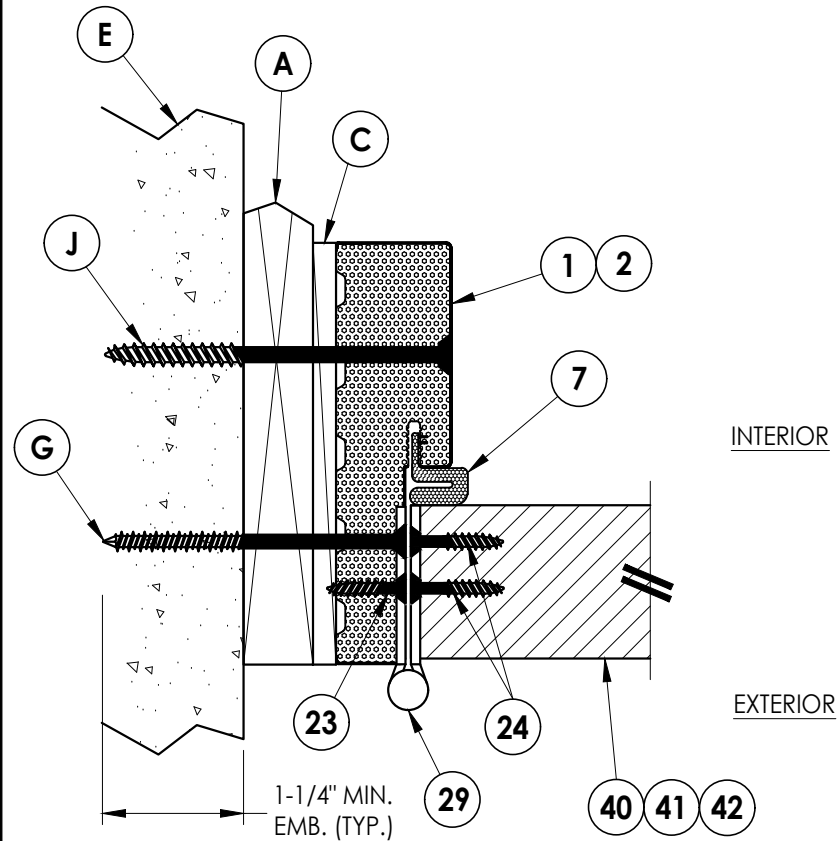
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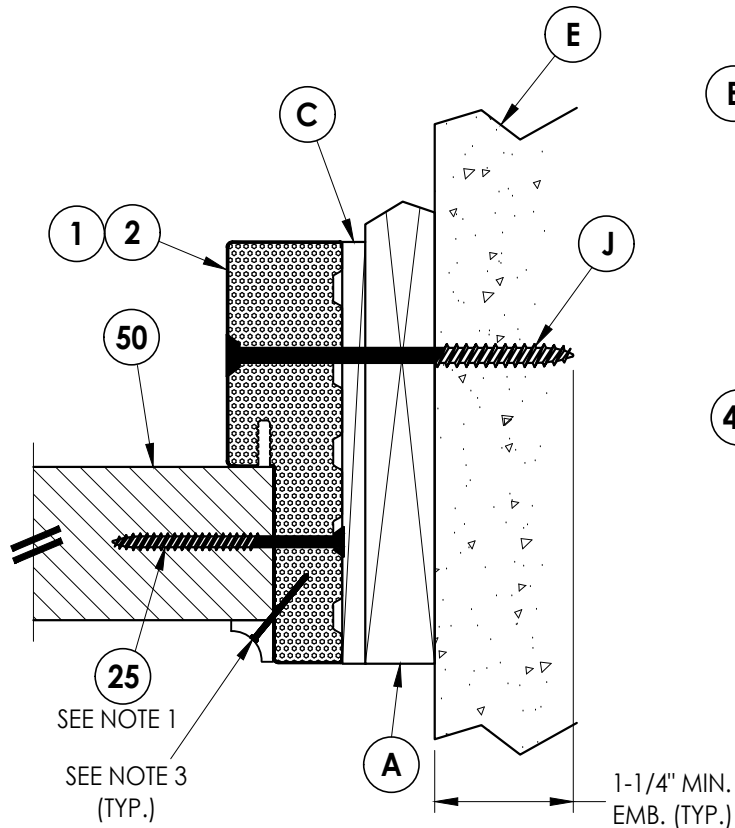
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SHEET 5 OF 13

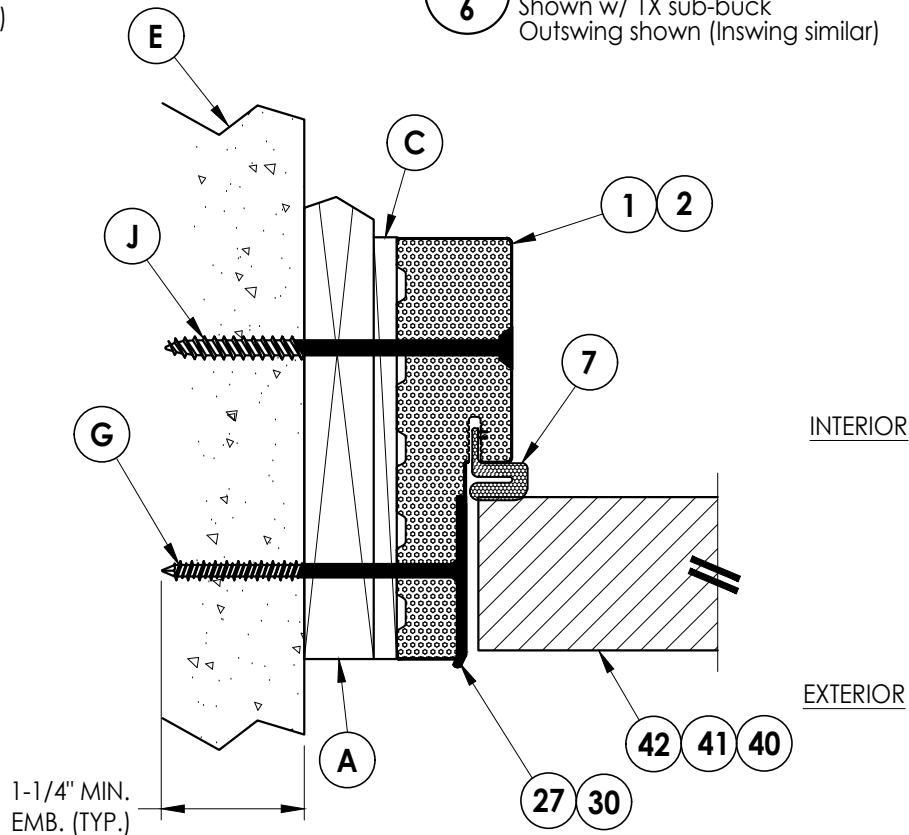
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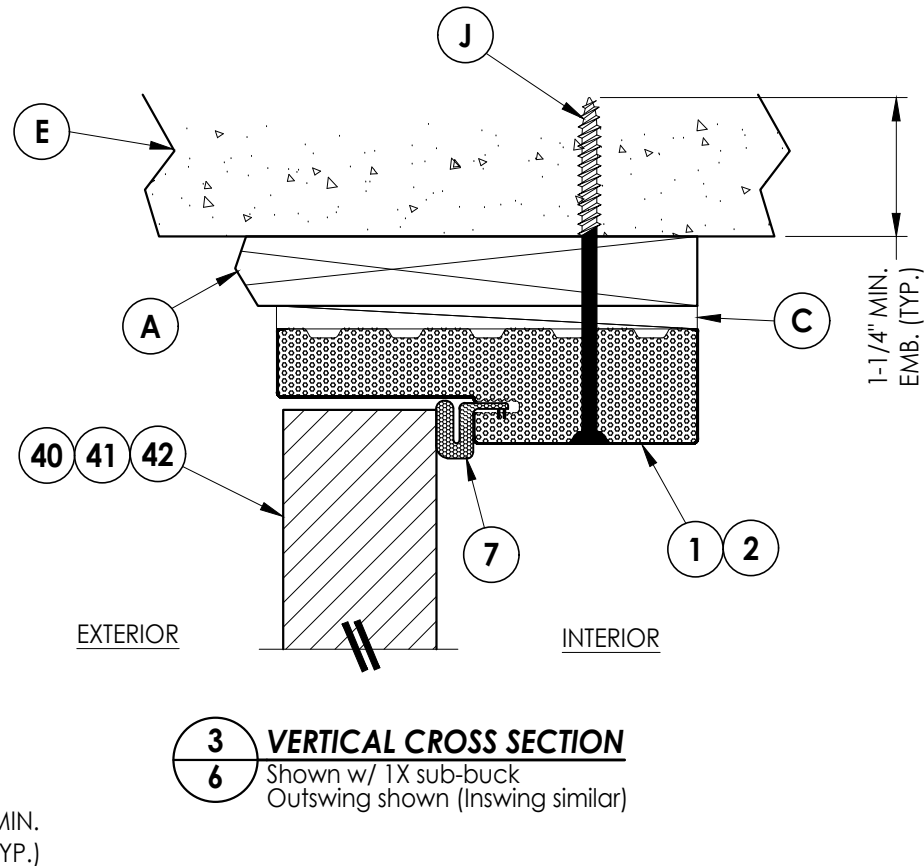
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6 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



2
6 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



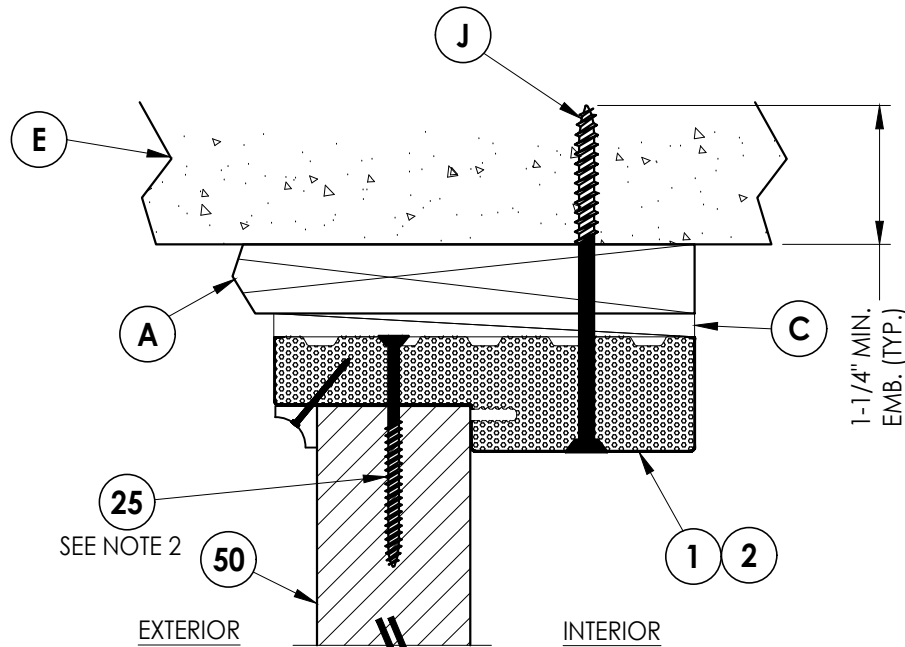
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6 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



3
6 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-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.



4
6 **VERTICAL 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
FIBERGLASS DOOR**

PART OR ASSEMBLY:
**HORIZONTAL & VERTICAL
CROSS SECTIONS (1X BUCK)**

NO.	DATE	REVISIONS	
		BY	LFS
1	7/03/26	UPDATE TO 9TH ED. (2026)	FBC

DATE: 6/17/24

SCALE: N.T.S.

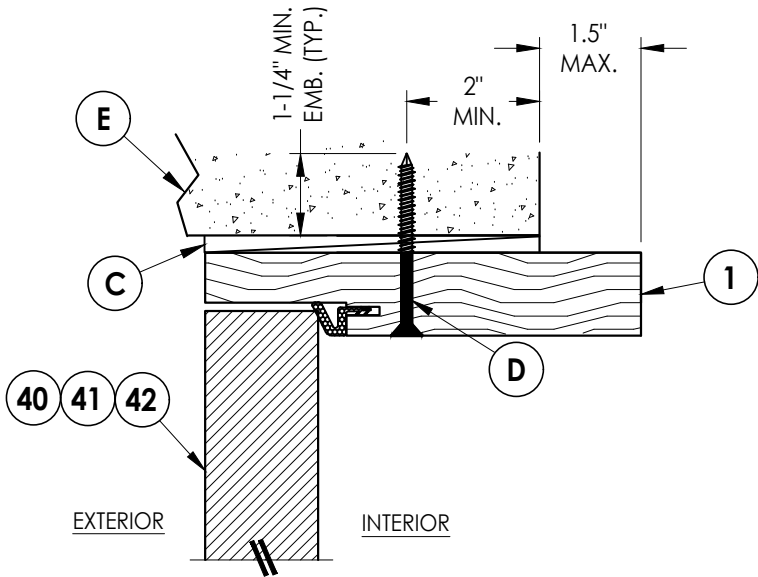
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CHK. BY: RW

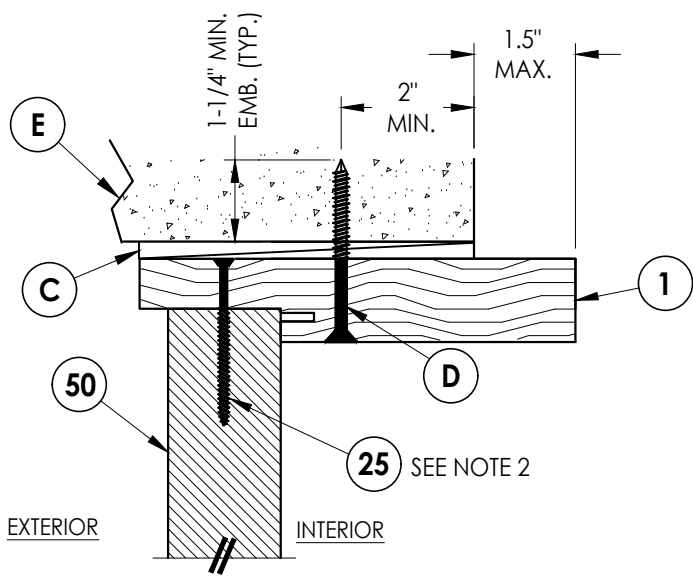
DRAWING NO.: FL-46832.2

SHEET 6 OF 13

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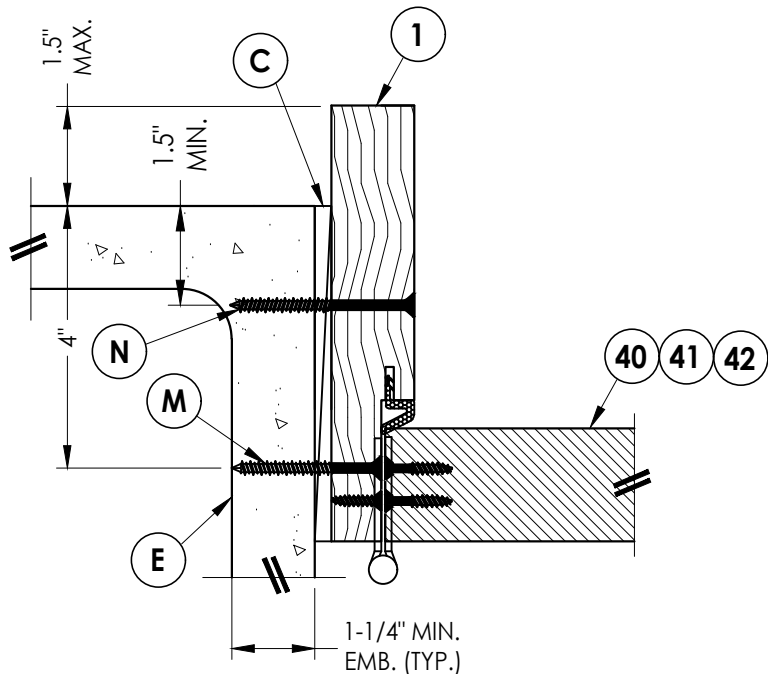
3 **HORIZONTAL CROSS SECTION**
7 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



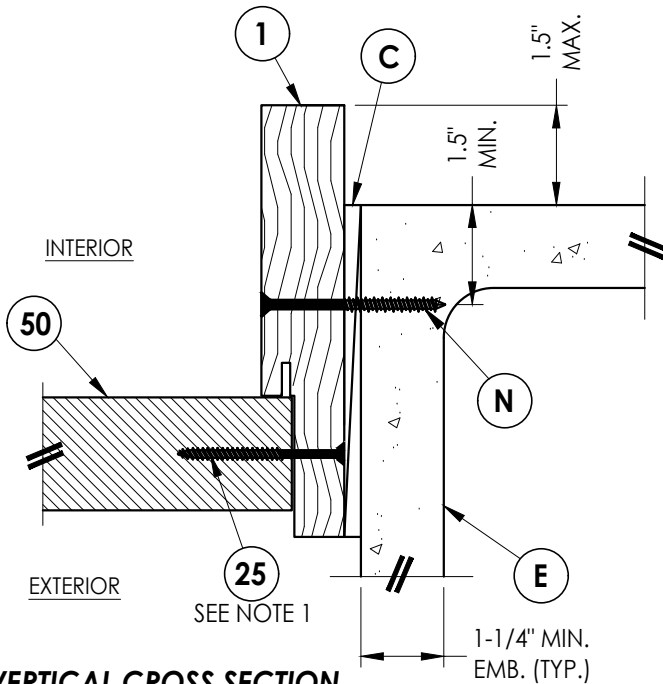
4 **VERTICAL CROSS SECTION**
7 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

Note:

1. Sidelite assembly screws located 6" from each end plus 6 more equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end & at centerline (3 screws total @ head).



1 **HORIZONTAL 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

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
SECTIONS (DIRECT TO MASONRY)**

NO.	DATE	REVISIONS
1	7/03/26	UPDATE TO 9TH ED. (2026) FBC
LFS	BY	

DATE: 6/17/24

SCALE: N.T.S.

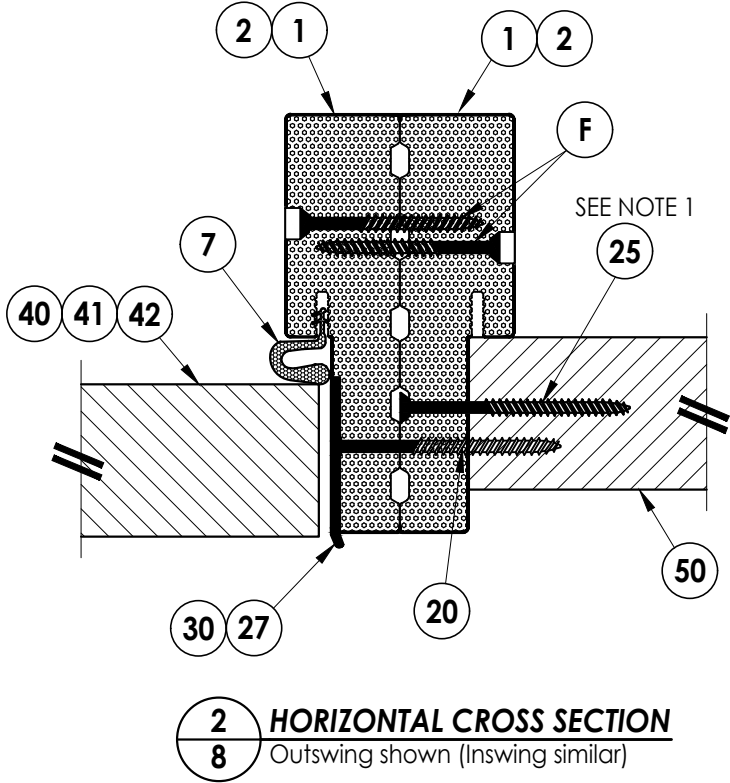
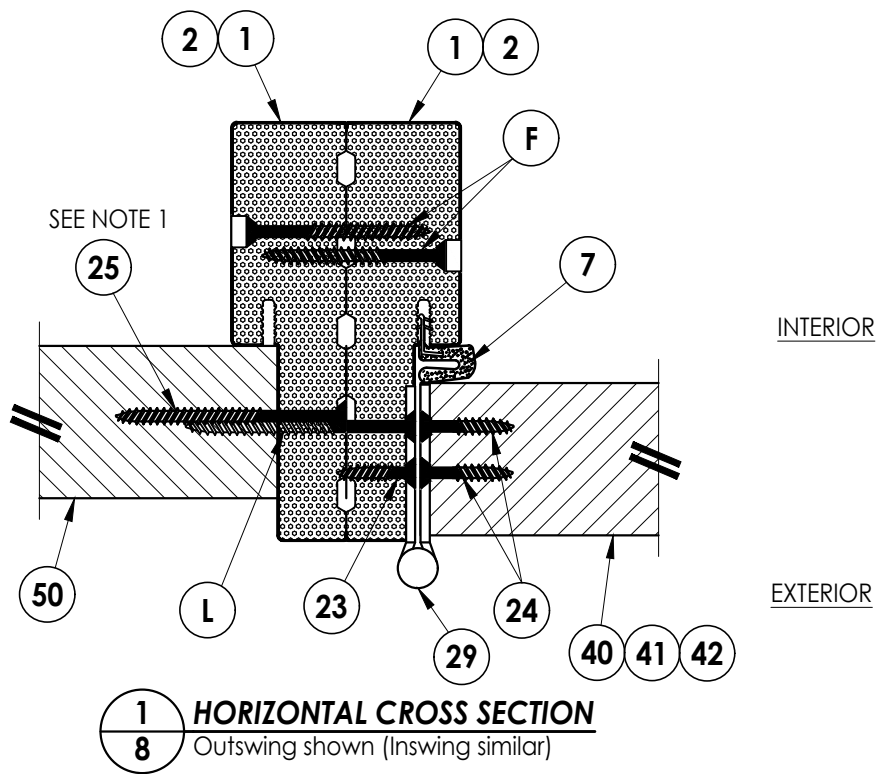
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CHK. BY: LFS

DRAWING NO.:
FL-46832.2

SHEET 7 OF 13

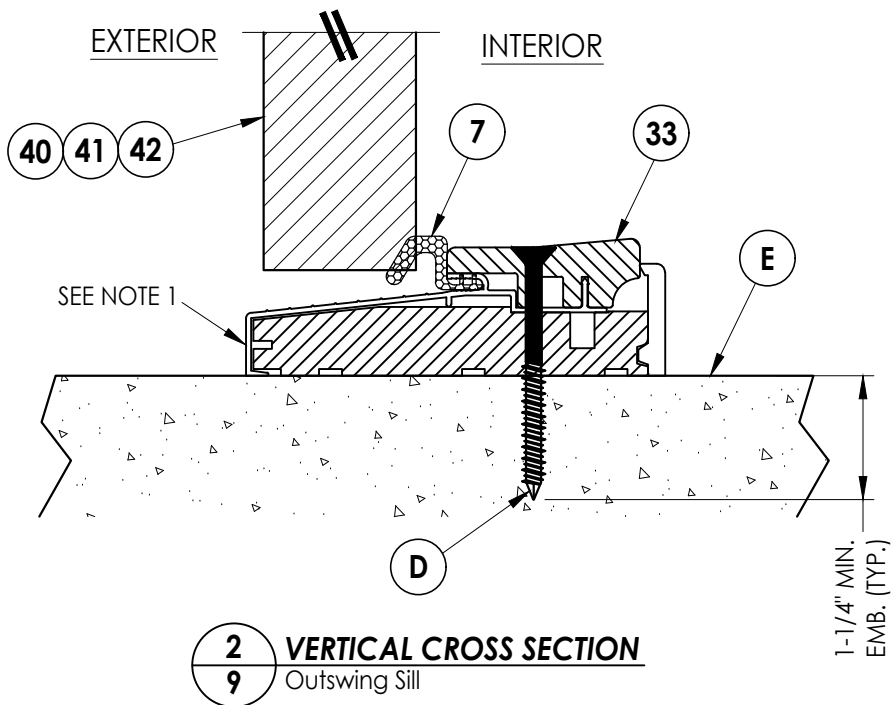
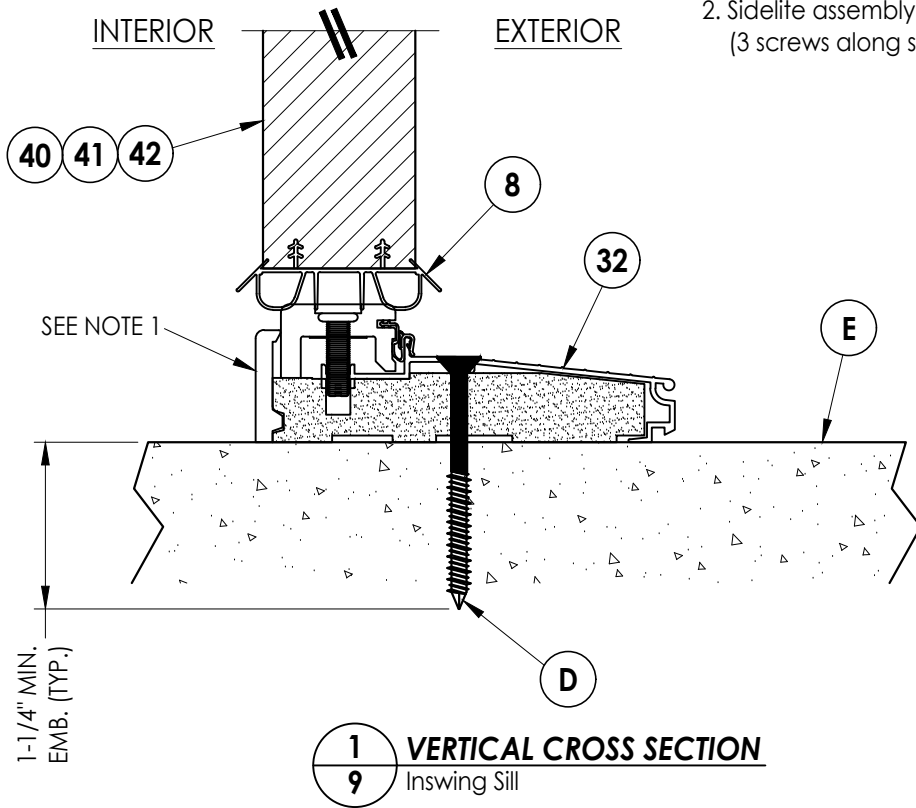
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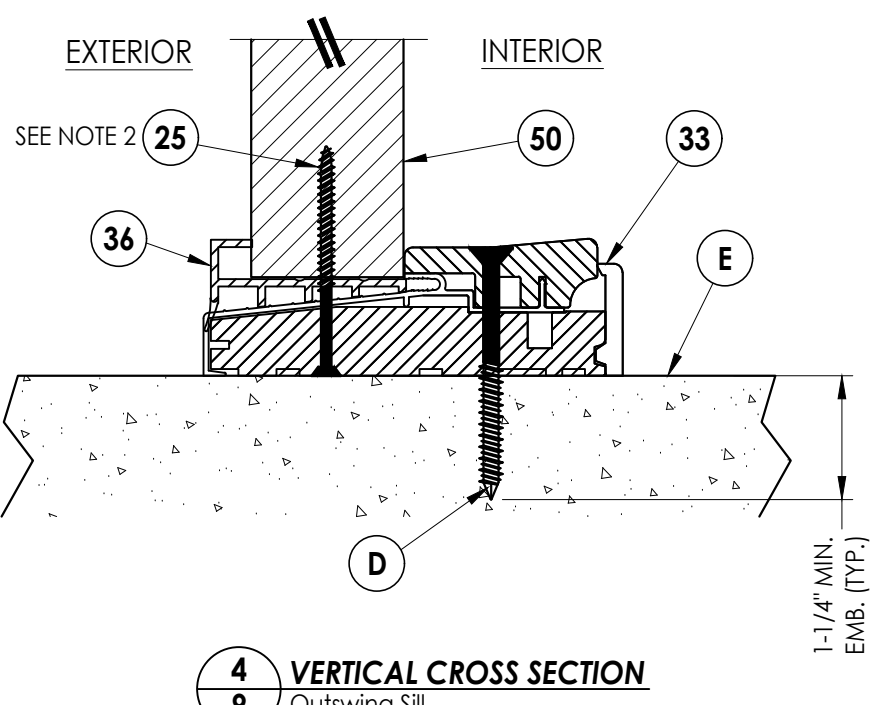
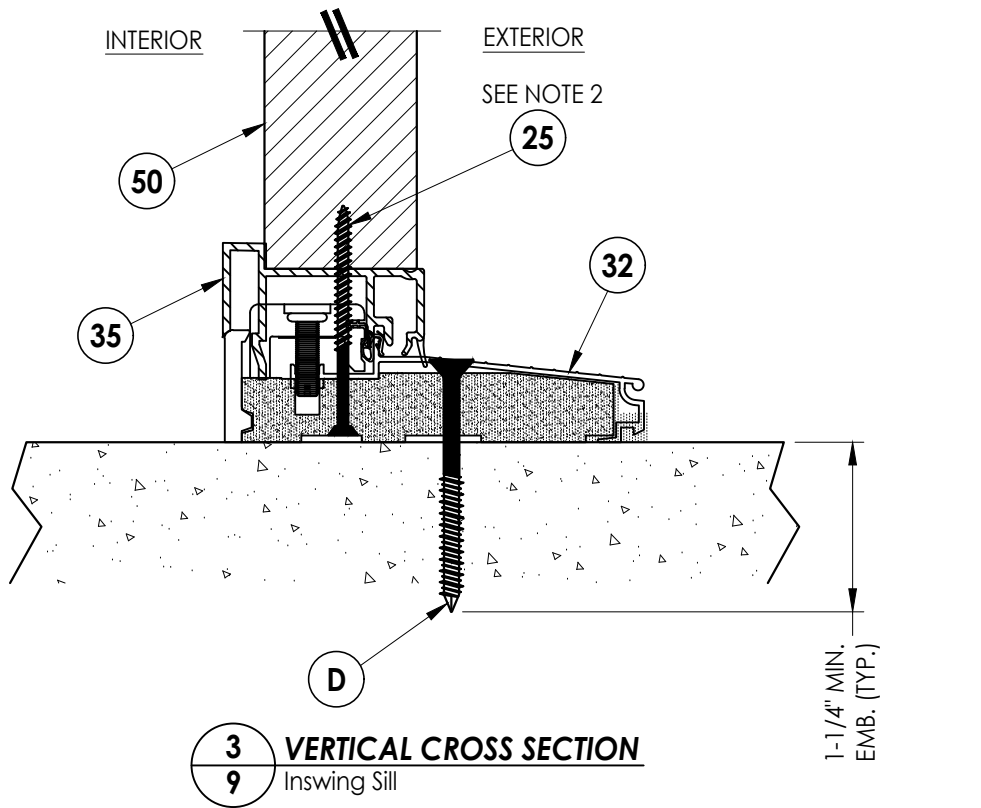
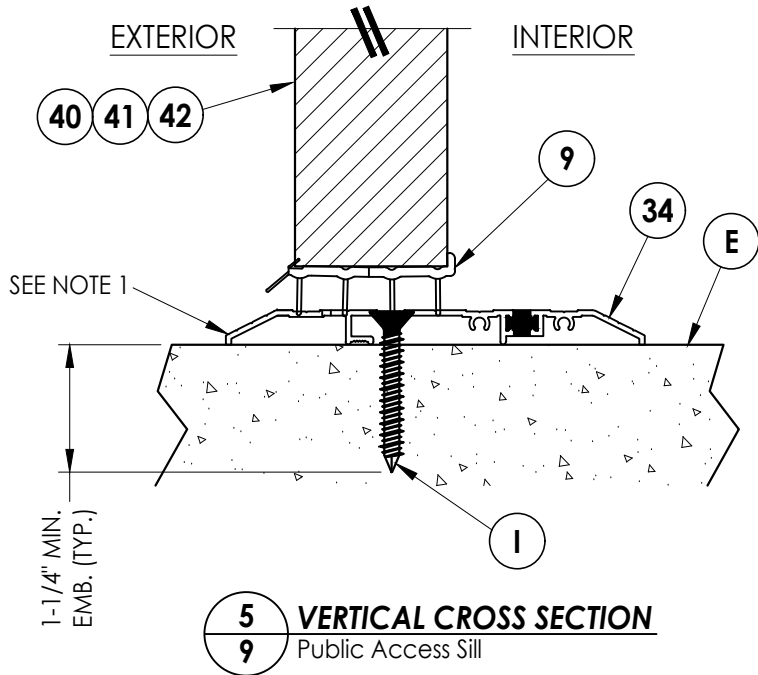
- Notes:
1. Sidelite assembly screws located 6" from each end and 6 more screws equally spaced between (8 screws total per side jamb).
 2. Sidelite assembly screws located 3" from each end and @ centerline (3 screws along head jamb).
 3. PVC/Wood Moulding secured w/ 16 GA. X 1" brad nails located 1"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

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 CROSS SECTIONS			
				REVISIONS			
				NO.	DATE	BY	
				1	7/03/26	UPDATE TO 9TH ED. (2026) FBC	LFS
DATE: 6/17/24							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-46832.2							
SHEET 8 OF 13							

Z:\2023 FBC Drawings\Therma-Tru\FL-46832 R1\FL-46832.1-3.dwg



- Notes:
- Sill Item #32 is attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item #33 is attached to jambs w/ (2) #8 X 2-1/2" pfh 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
1	7/03/26	UPDATE TO 9TH ED. (2026) FBC
LFS	BY	

DATE: 6/17/24

SCALE: N.T.S.

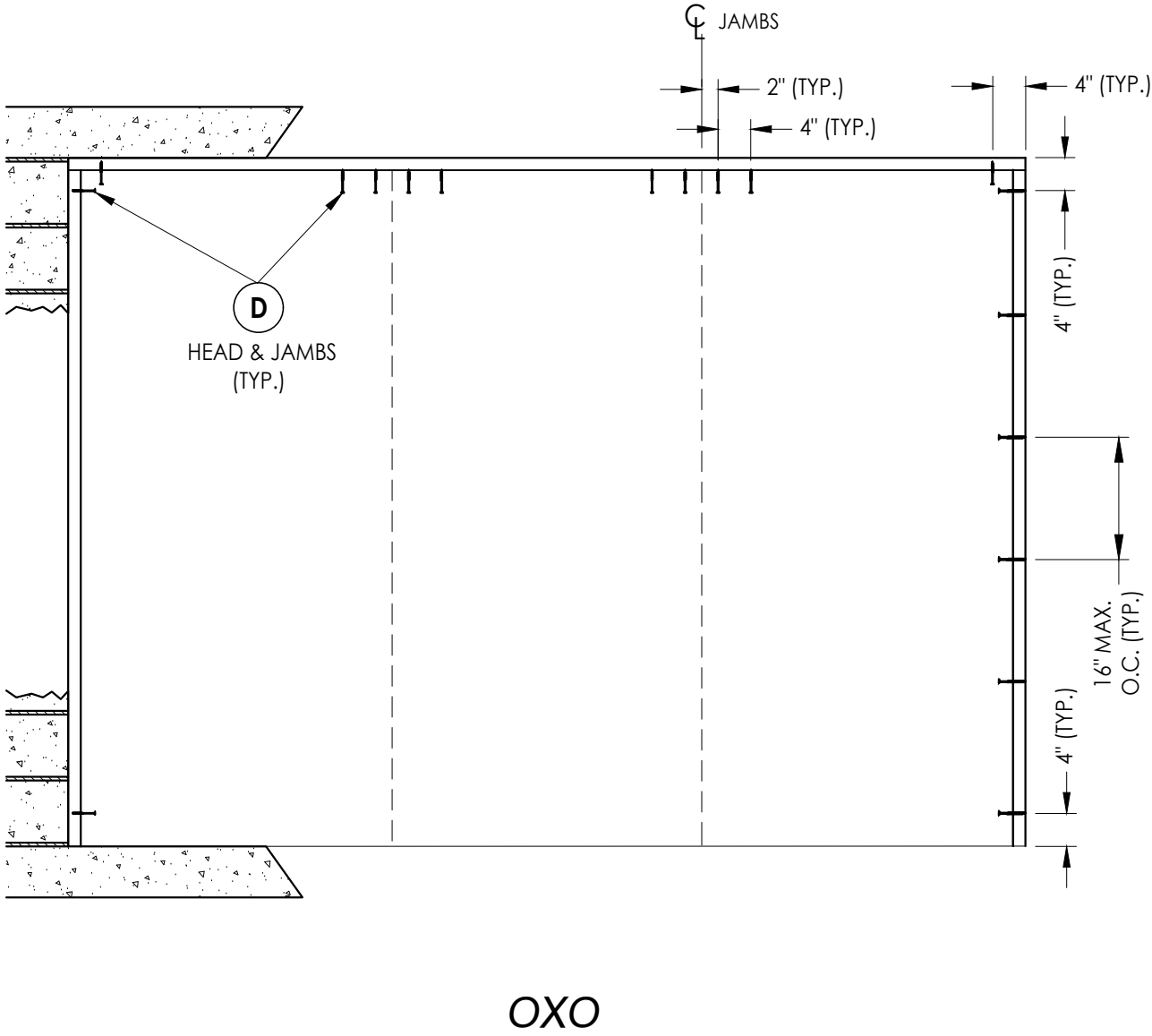
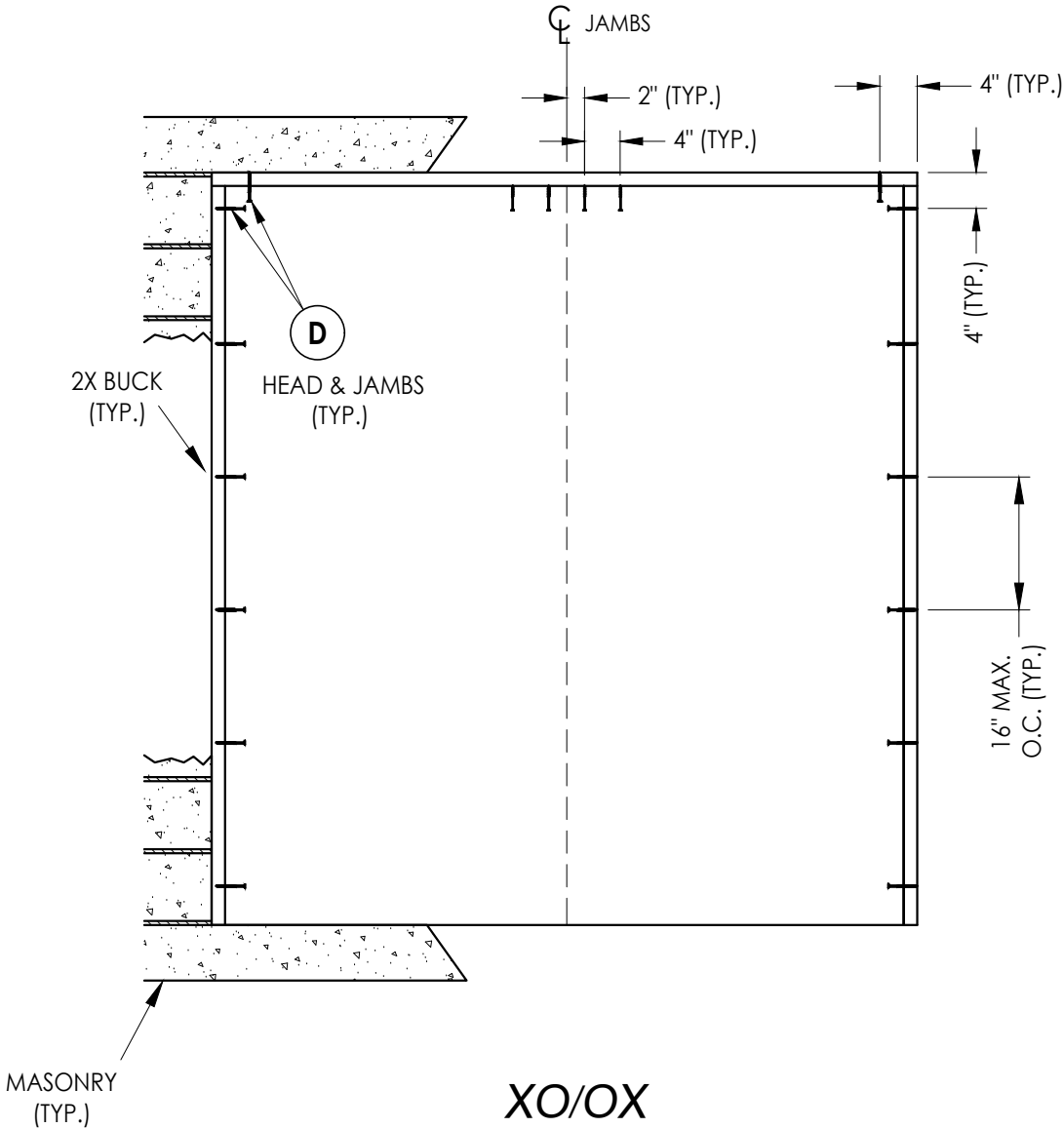
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CHK. BY: RW

DRAWING NO.:

FL-46832.2

SHEET 9 OF 13



2X BUCK ANCHORING

DATE: 6/17/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46832.2

SHEET 10 OF 13

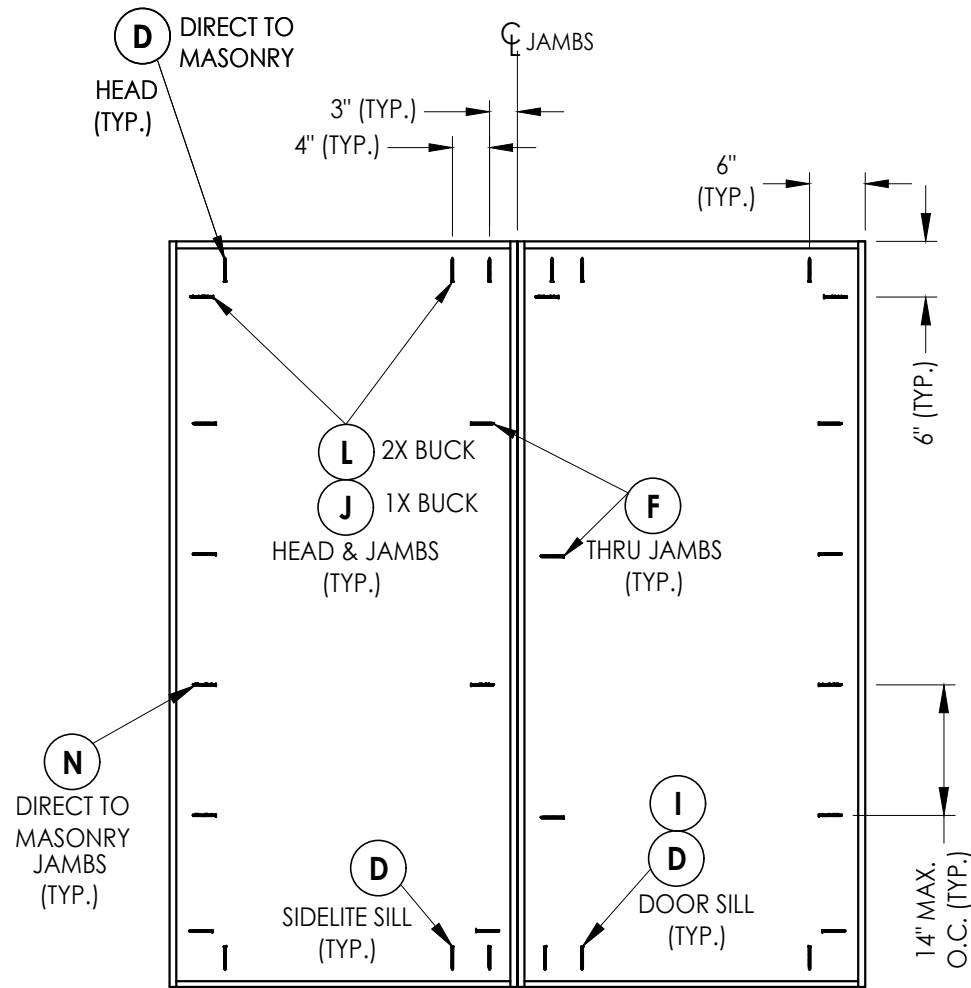
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THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:	
BUCK ANCHORING	
NO.	DATE
1	7/03/26
UPDATE TO 9TH ED. (2026) FBC	
LFS	BY

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

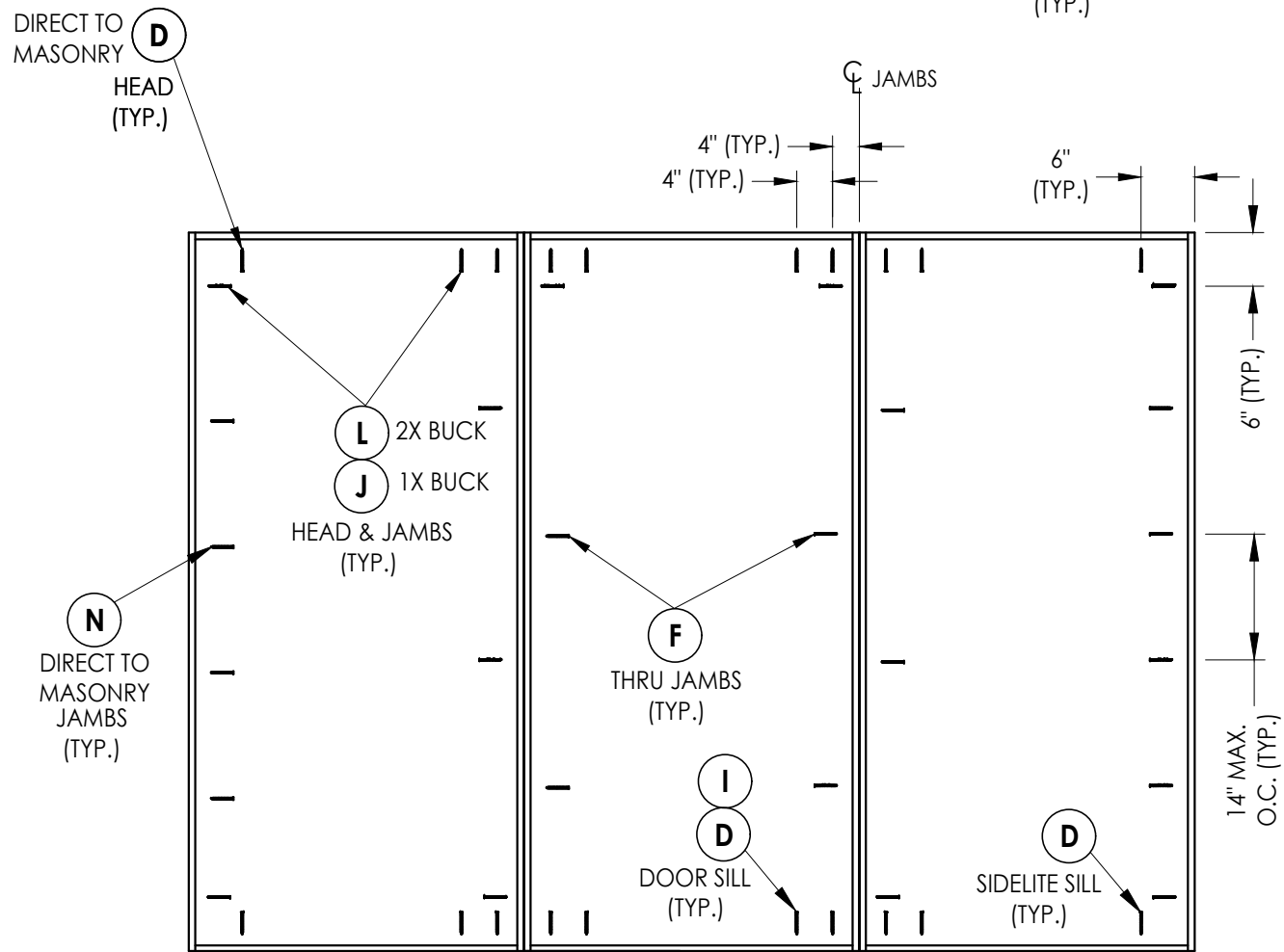
RW BUILDING CONSULTANTS, INC.

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

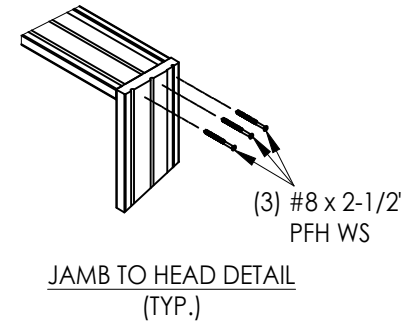
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OX/XO



OXO



FRAME ANCHORING

PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:		FRAME ANCHORING	
NO.	DATE	FBC	LFS
1	7/03/26	UPDATE TO 9TH ED. (2026)	BY

DATE: 6/17/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

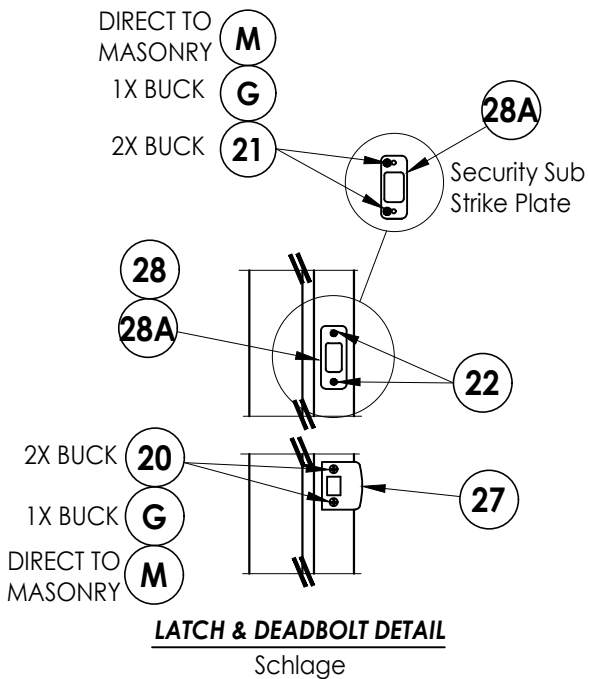
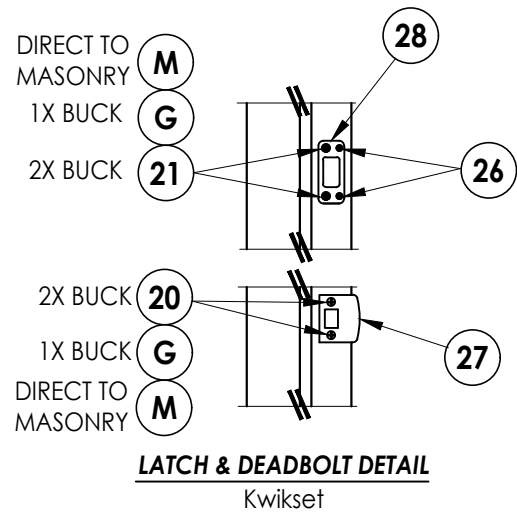
FL-46832.2

SHEET 11 OF 13

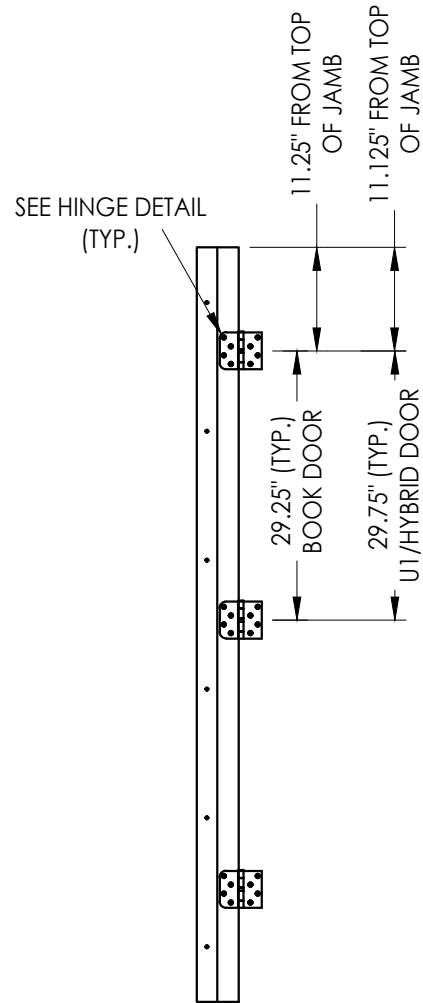
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

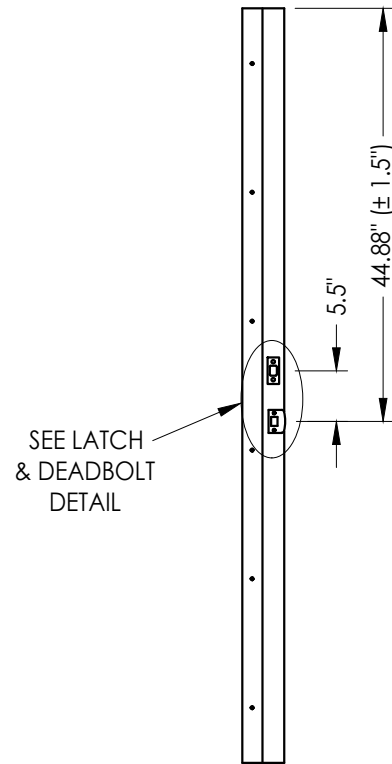
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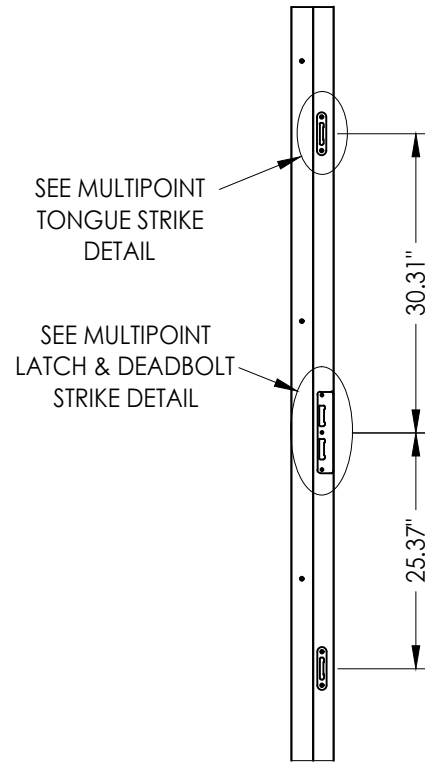
LATCH & DEADBOLT STRIKE DETAILS



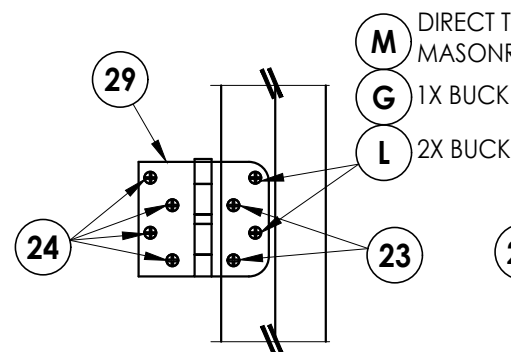
HINGE JAMB



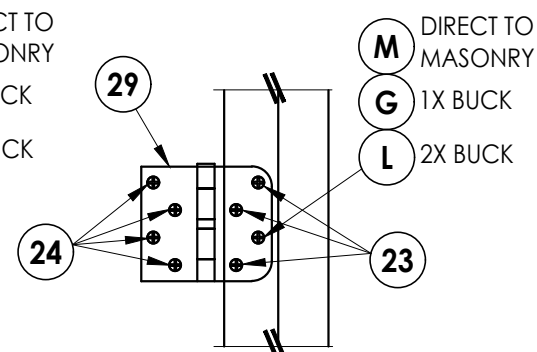
STRIKE JAMB
Latch & Deadbolt



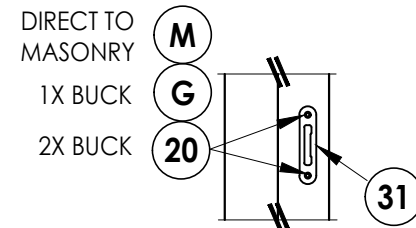
STRIKE JAMB
Multipoint Lock



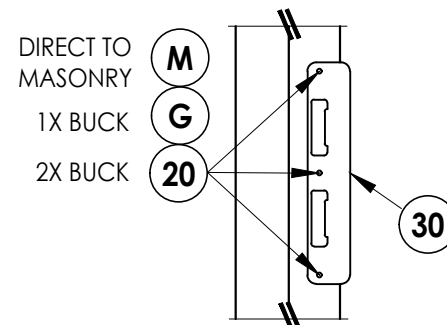
HINGE DETAIL
Inswing



HINGE DETAIL
Outswing



MULTIPOINT TONGUE STRIKE PLATE DETAIL



MULTIPOINT LATCH & DEADBOLT STRIKE PLATE DETAIL

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

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
HARDWARE DETAILS

NO.	DATE	DESCRIPTION	BY
1	7/03/26	UPDATE TO 9TH ED. (2026) FBC	LFS

DATE: 6/17/24

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:

FL-46832.2

SHEET 12 OF 13

