

THERMA-TRU[®]
DOORS

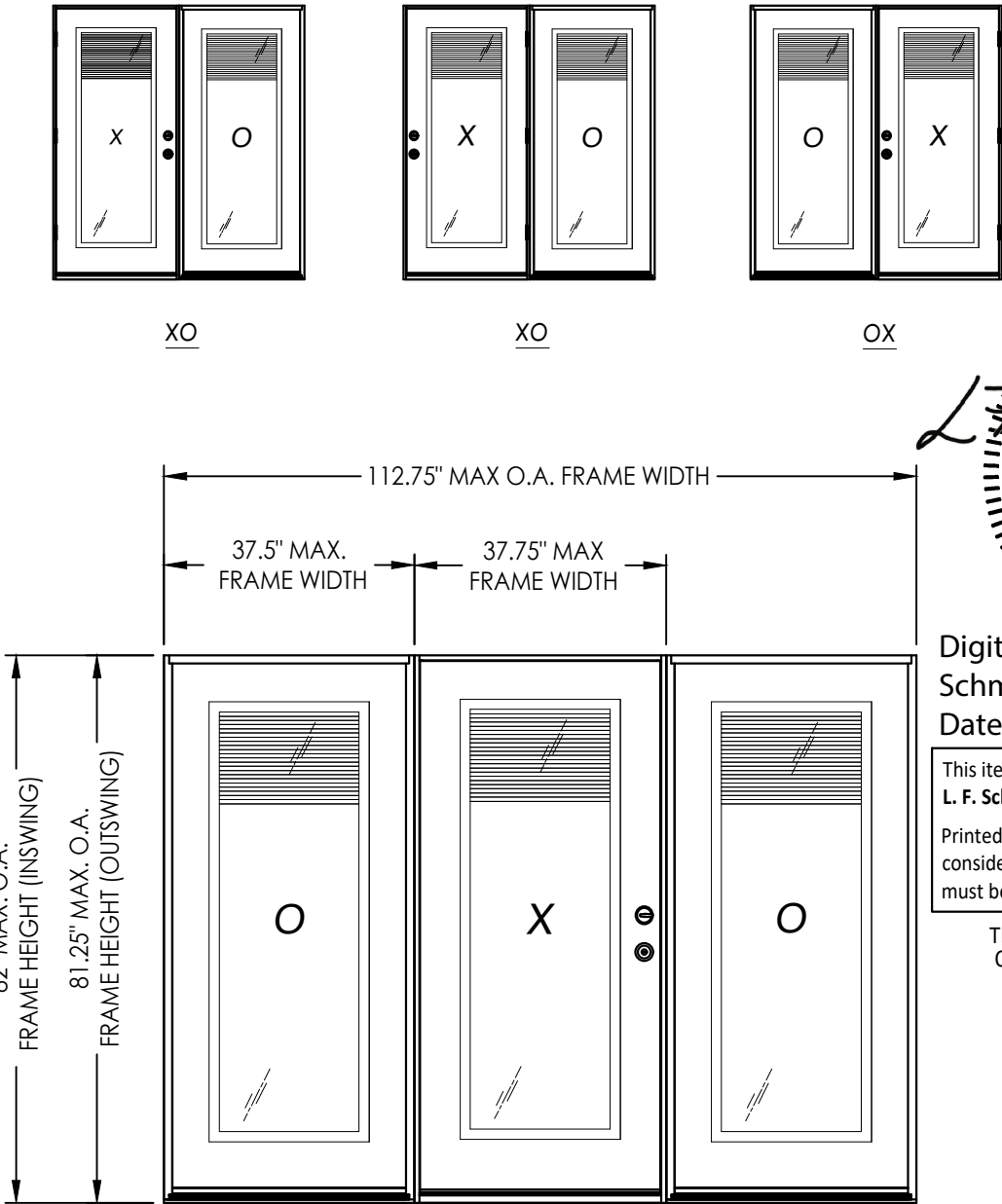
Fiber-Classic[®] & Smooth-Star[®]

WOOD EDGE
GLAZED FIBERGLASS SINGLE DOOR
w/ SIDELITE(S) w/ BLINDS BETWEEN GLASS
INSWING/OUTSWING
"IMPACT"

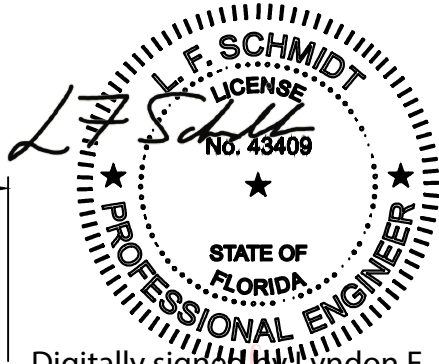
GENERAL NOTES

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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9	Vertical Cross Sections (Thresholds)
10	Buck Anchoring
11	Frame Anchoring
12	Hardware Details
13	Lite Frame & Glazing Details
14	Bill of Materials & Components



CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XO, OX, OXO	+45.0	-50.0	+45.0	-45.0



Digitally signed by Lyndon F Schmidt
Date: 2026.08.10 15:22:57 -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

PRODUCT: 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-37183.2

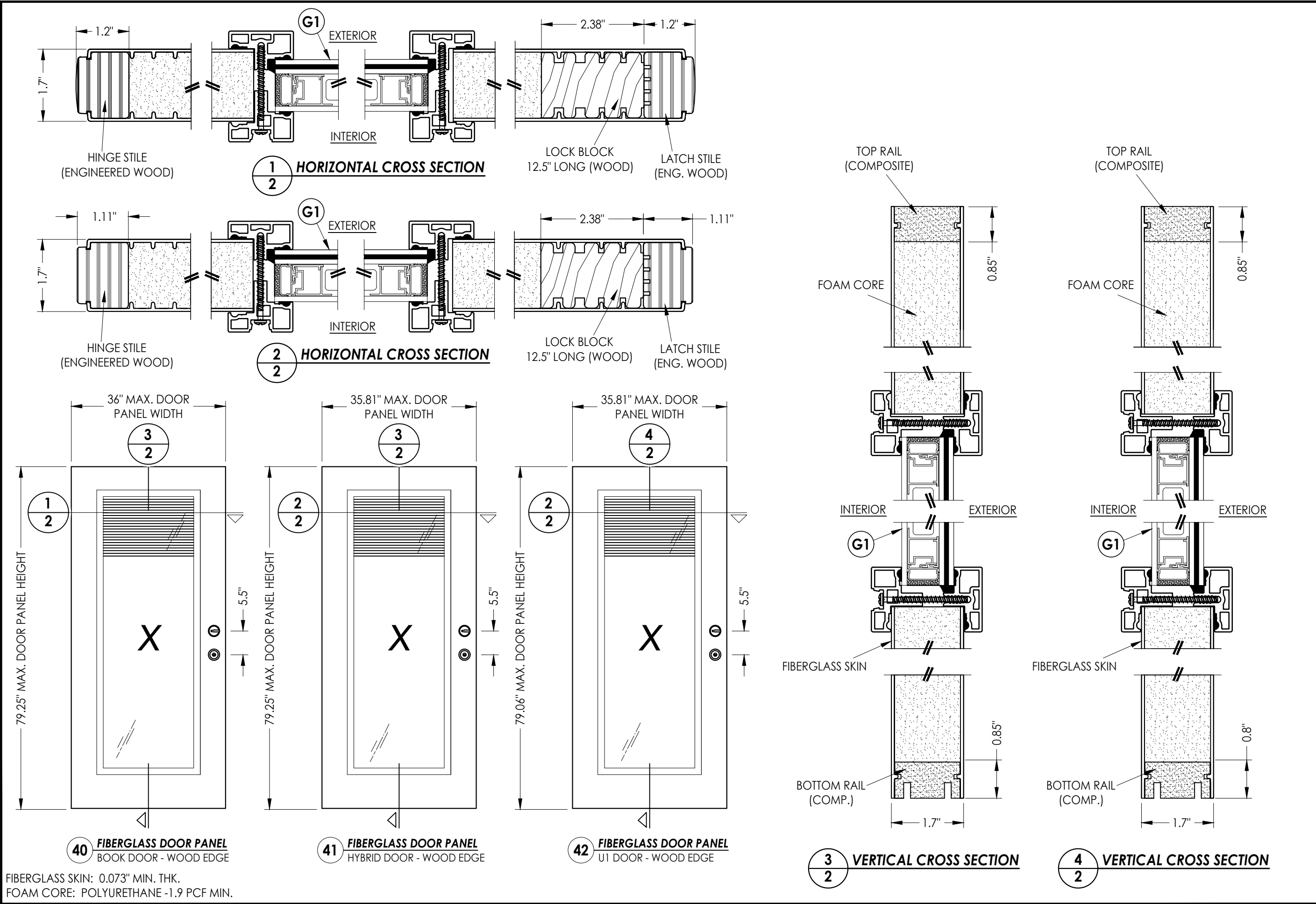
SHEET 1 OF 14

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

REVISIONS

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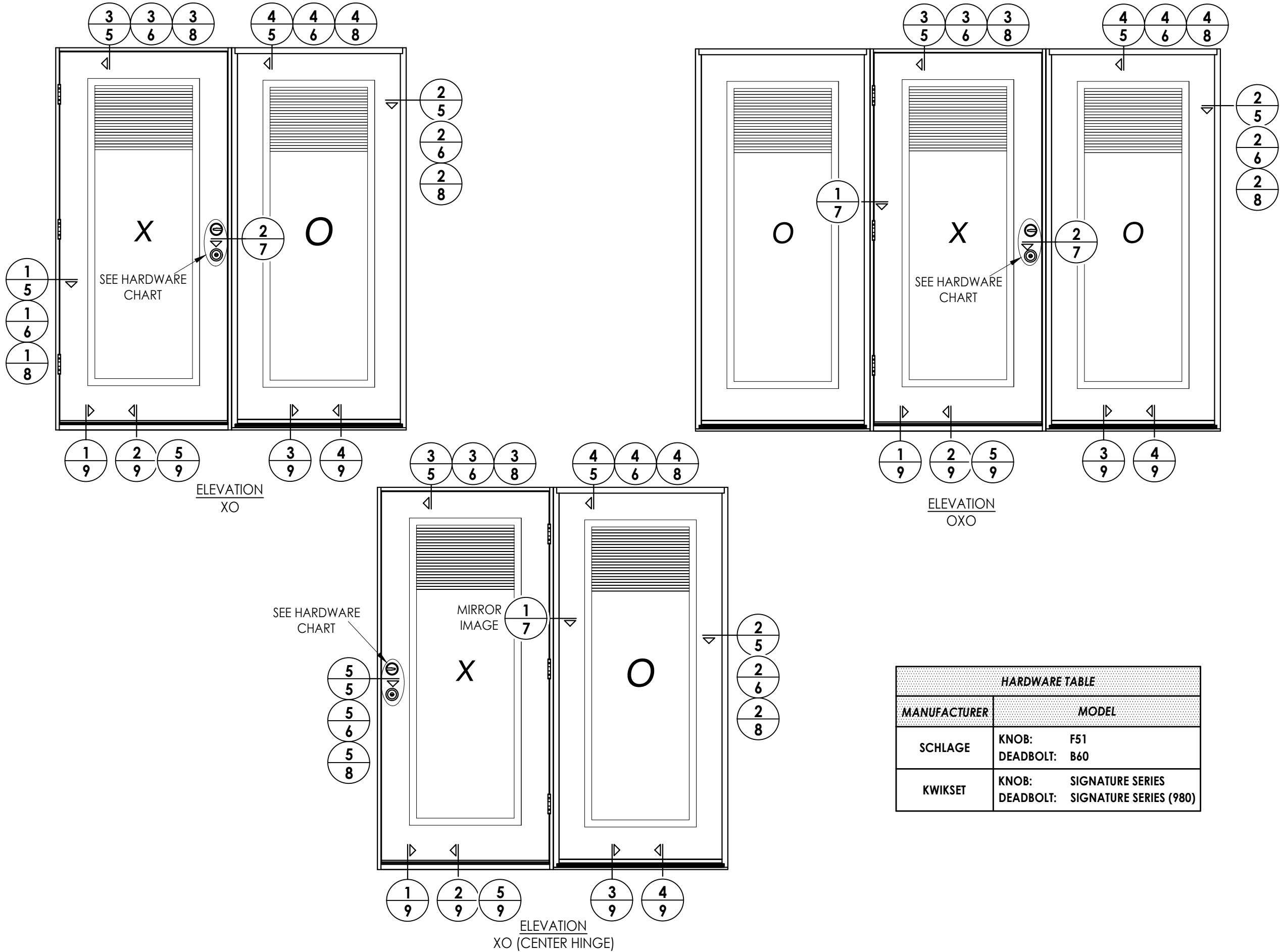


FIBERGLASS SKIN: 0.073" MIN. THK.
FOAM CORE: POLYURETHANE -1.9 PCF MIN.

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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: DOOR PANEL DETAILS	
		LFS	BY
		FBC	
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC
1	7/27/23	UPDATE TO 8TH ED. (2023)	FBC
NO.	DATE		
REVISIONS			
DATE: 5/25/21			
SCALE: N.T.S.			
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DRAWING NO.: FL-37183.2			
SHEET 2 OF 14			

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PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

DATE: 5/25/21

SCALE: N.T.S.

DWG. BY: RW

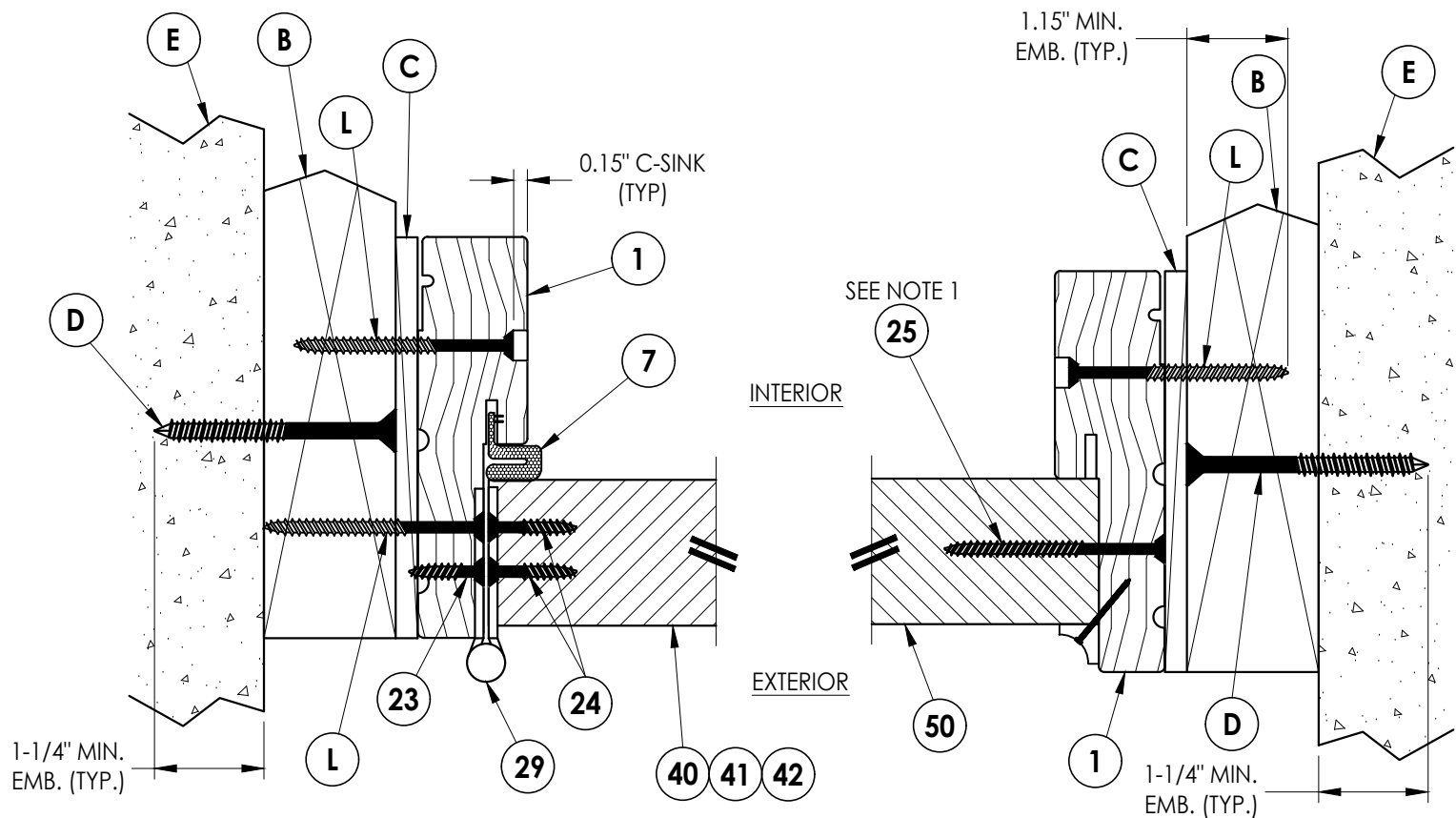
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DRAWING NO.: FL-37183.2

SHEET 4 OF 14

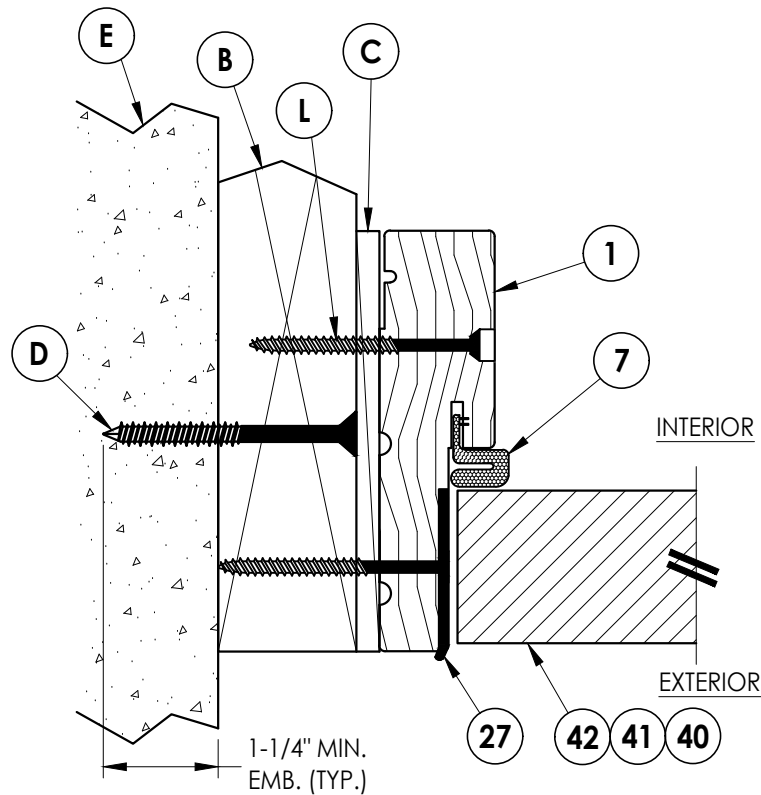
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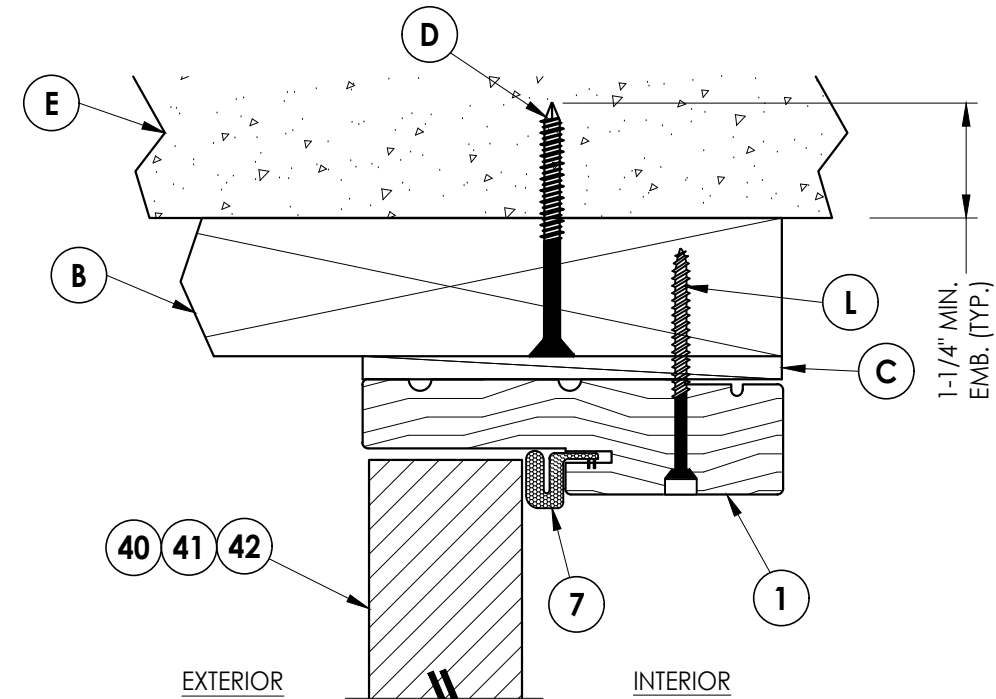
1
5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)

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

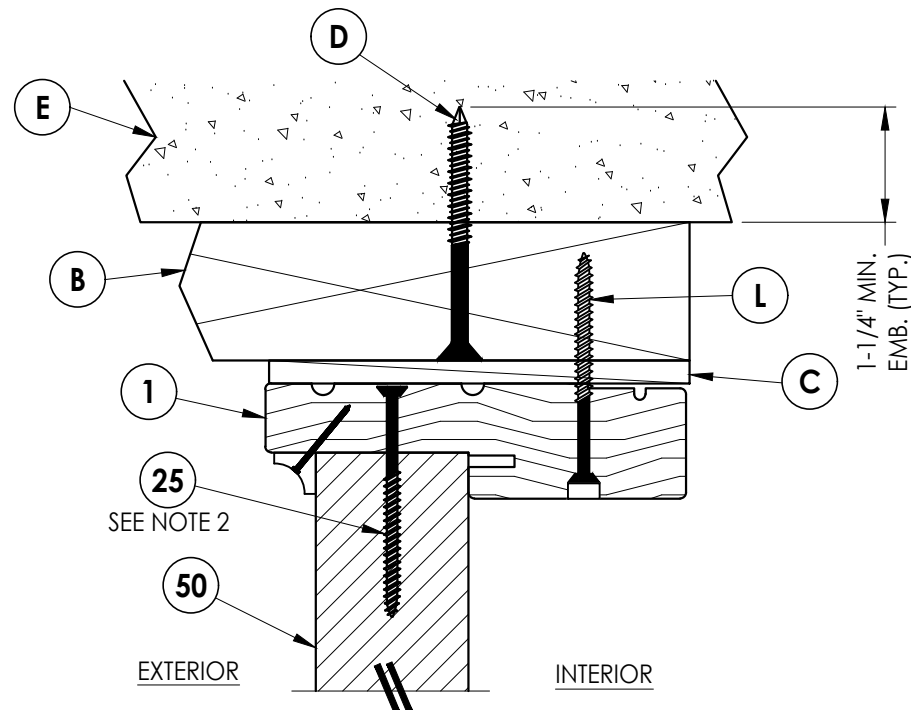


5
5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)

- Notes:
1. Sidelite assembly screws located 6" from each end and 5 more screws equally spaced between (7 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)

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

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

DATE: 5/25/21

SCALE: N.T.S.

DWG. BY: RW

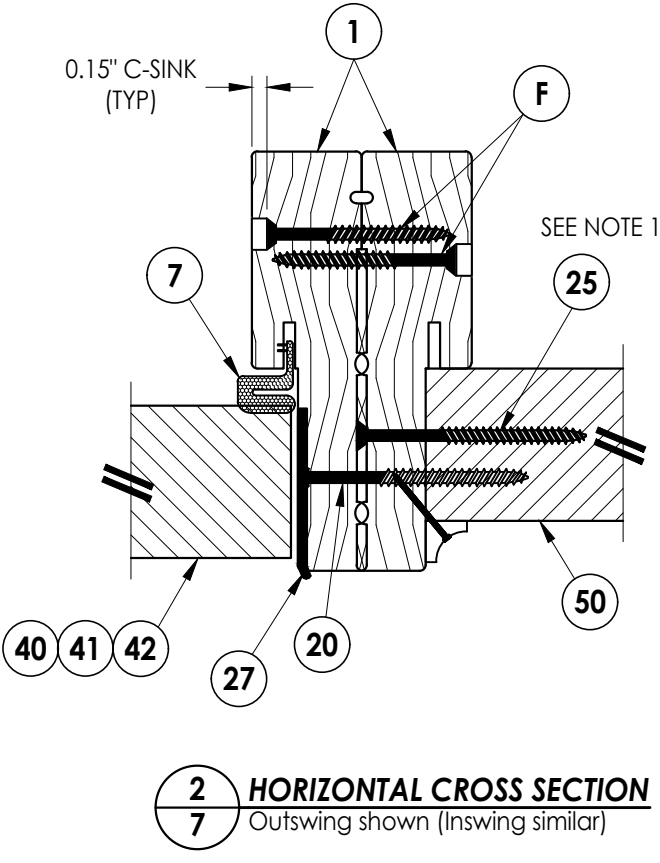
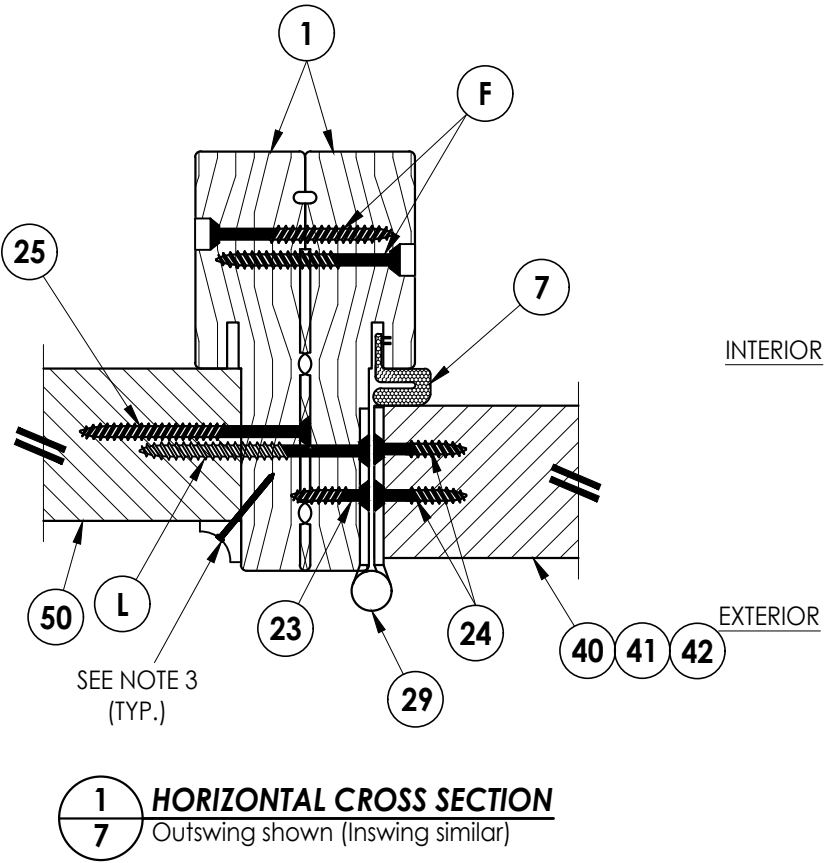
CHK. BY: LFS

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SHEET 5 OF 14

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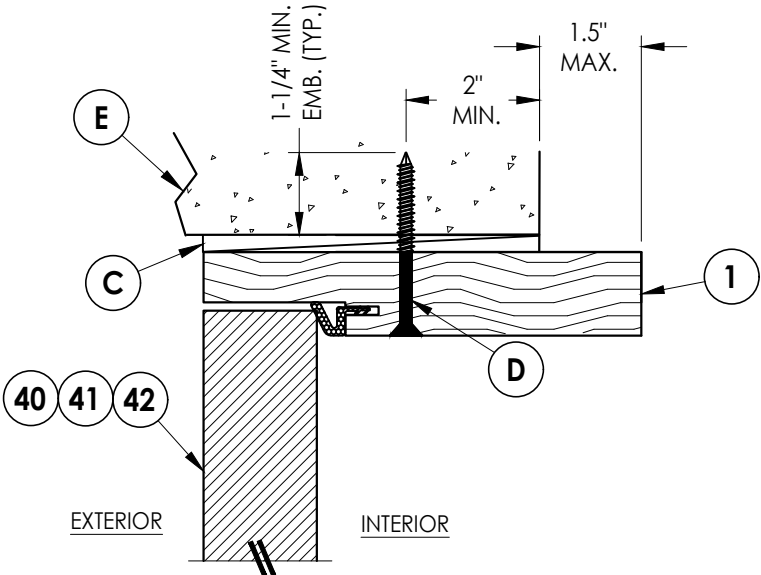


- Notes:
1. Sidelite assembly screws located 6" from each end and 5 more screws equally spaced between (7 screws total per side jamb).
 2. Sidelite assembly screws located 3" from each end and @ centerline (3 screws along head jamb).
 3. PVC/Wood Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.

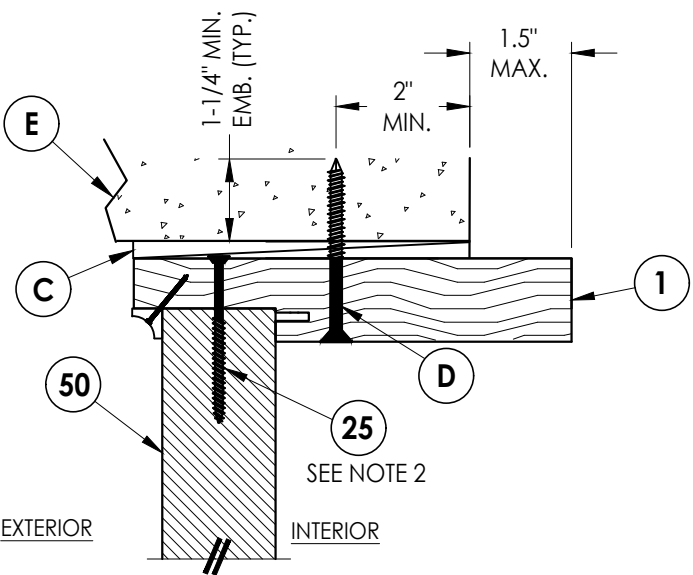
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SCALE:	N.T.S.
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SHEET	7 OF 14

PRODUCT:	Therma-Tru FIBERGLASS DOOR
PART OR ASSEMBLY:	HORIZONTAL CROSS SECTIONS

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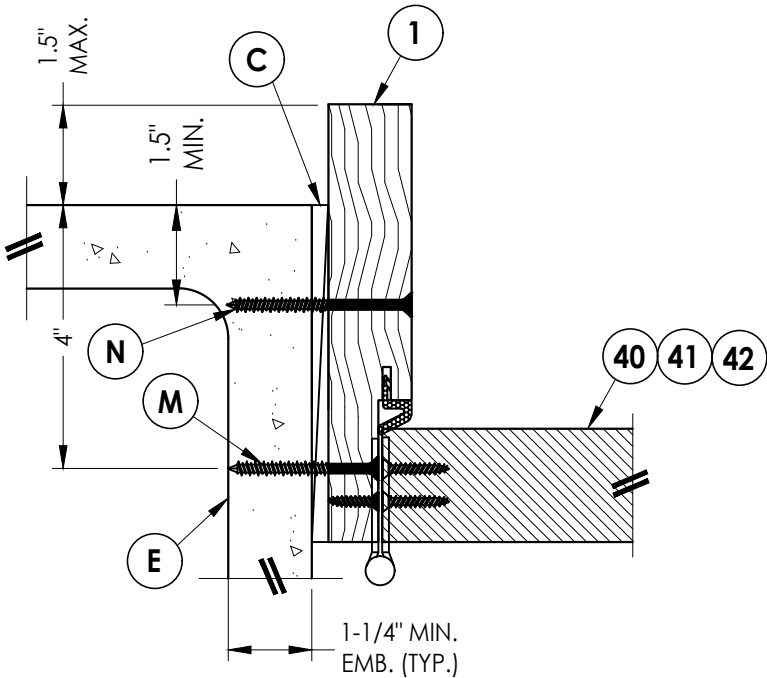


3 **HORIZONTAL CROSS SECTION**
8 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

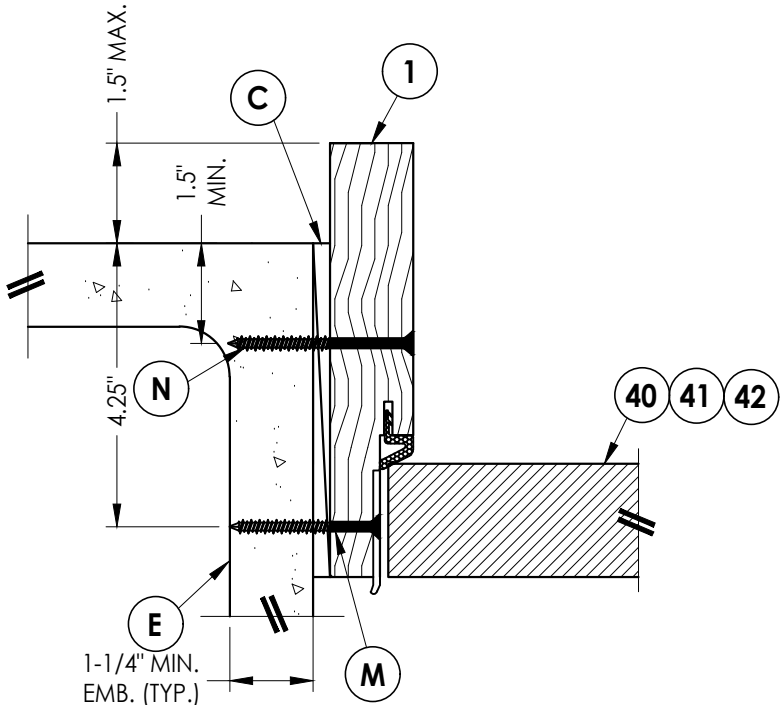


4 **VERTICAL CROSS SECTION**
8 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

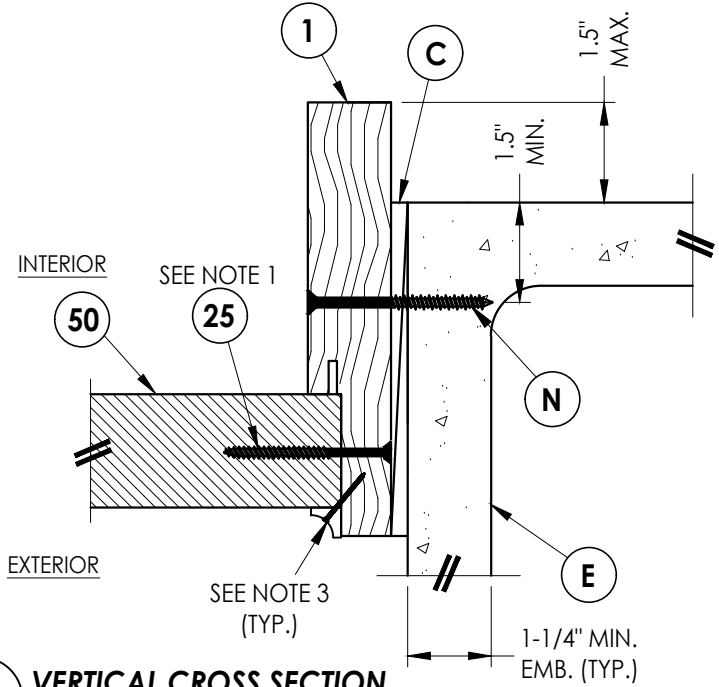
- Notes:
- Sidelite assembly screws located 6" from each end plus 5 more equally spaced between (7 screws total per side jamb).
 - Sidelite assembly screws located 3" from each end and at centerline (3 screws total at head jamb).
 - PVC/Wood Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.



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



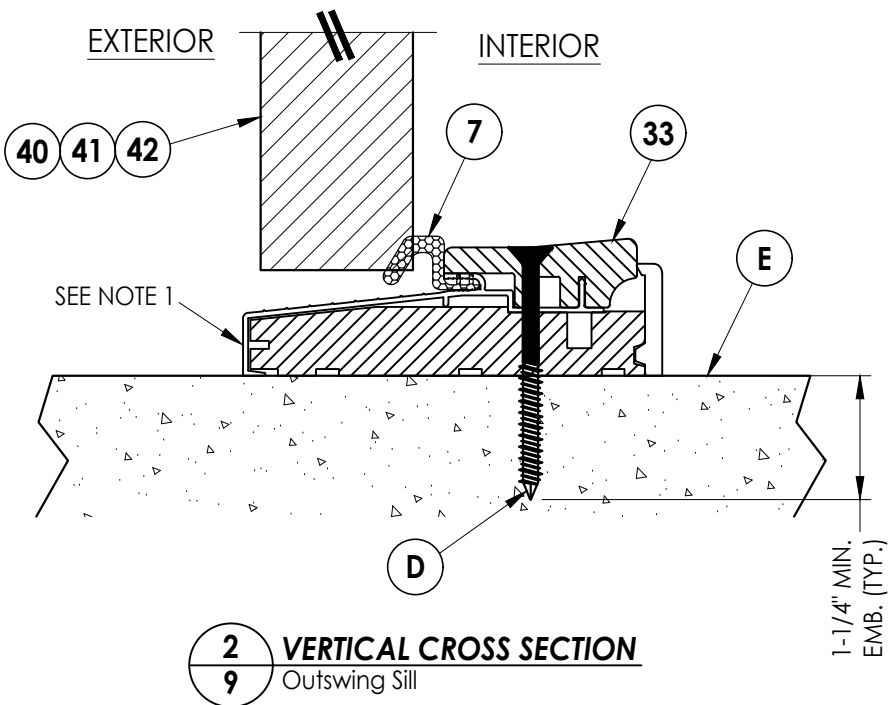
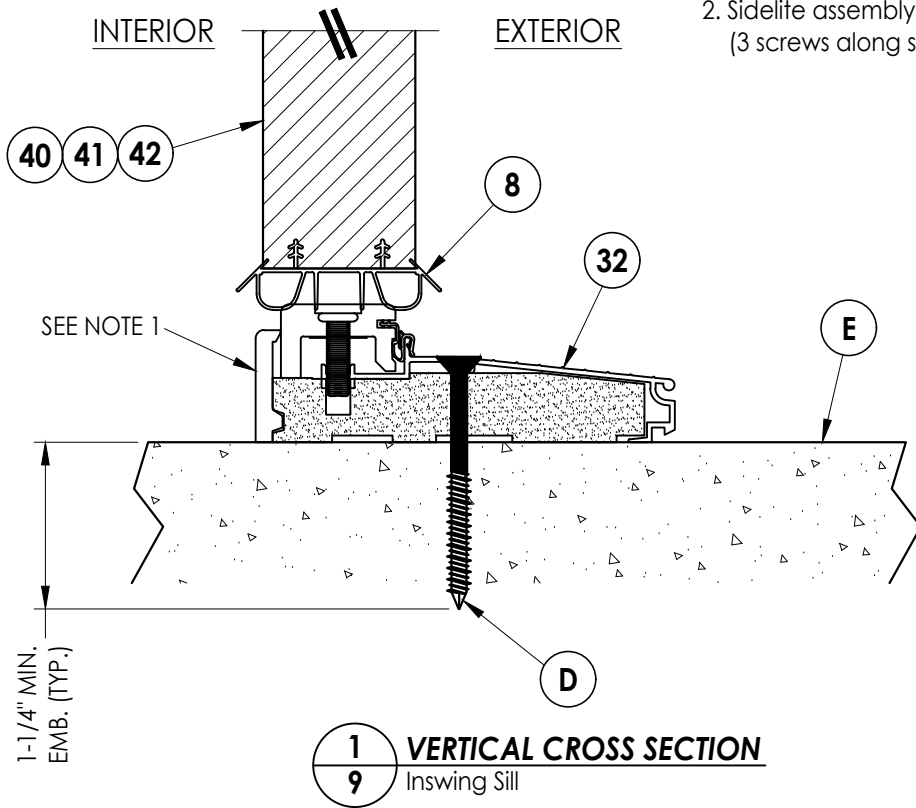
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8 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



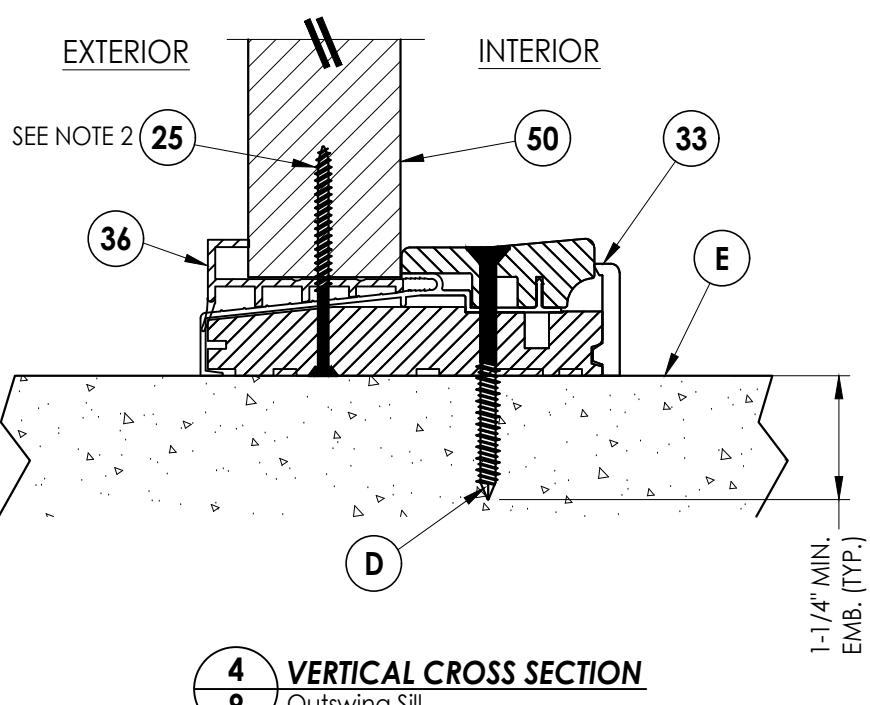
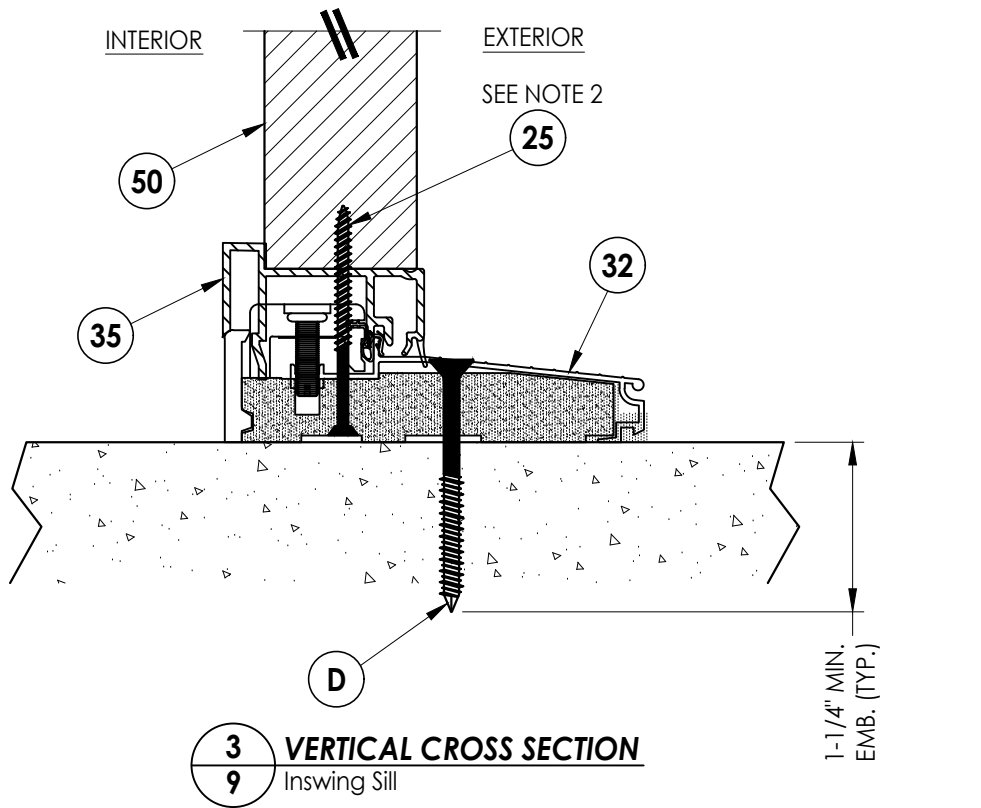
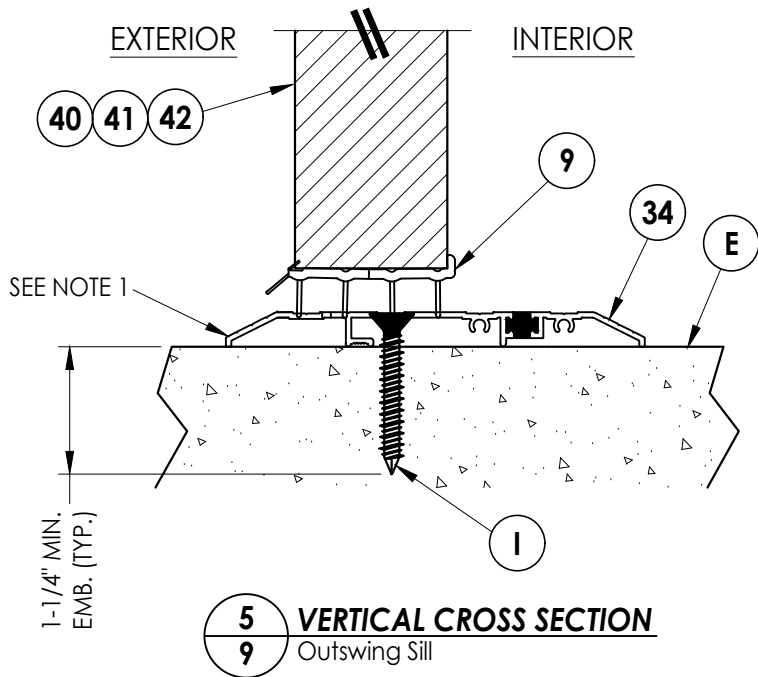
2 **VERTICAL CROSS SECTION**
8 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL SECTIONS (DIRECT TO MASONRY)	
		LFS	BY
		LFS	
		REVISIONS	
		NO.	DATE
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC	
1	7/27/23	UPDATE TO 8TH ED. (2023) FBC	
DATE: 5/25/21			
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SHEET 8 OF 14			

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- 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:
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P.E. No. 43409

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FBPE Registry No. 9813

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC
1	7/27/23	UPDATE TO 8TH ED. (2023) FBC
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DATE: 5/25/21

SCALE: N.T.S.

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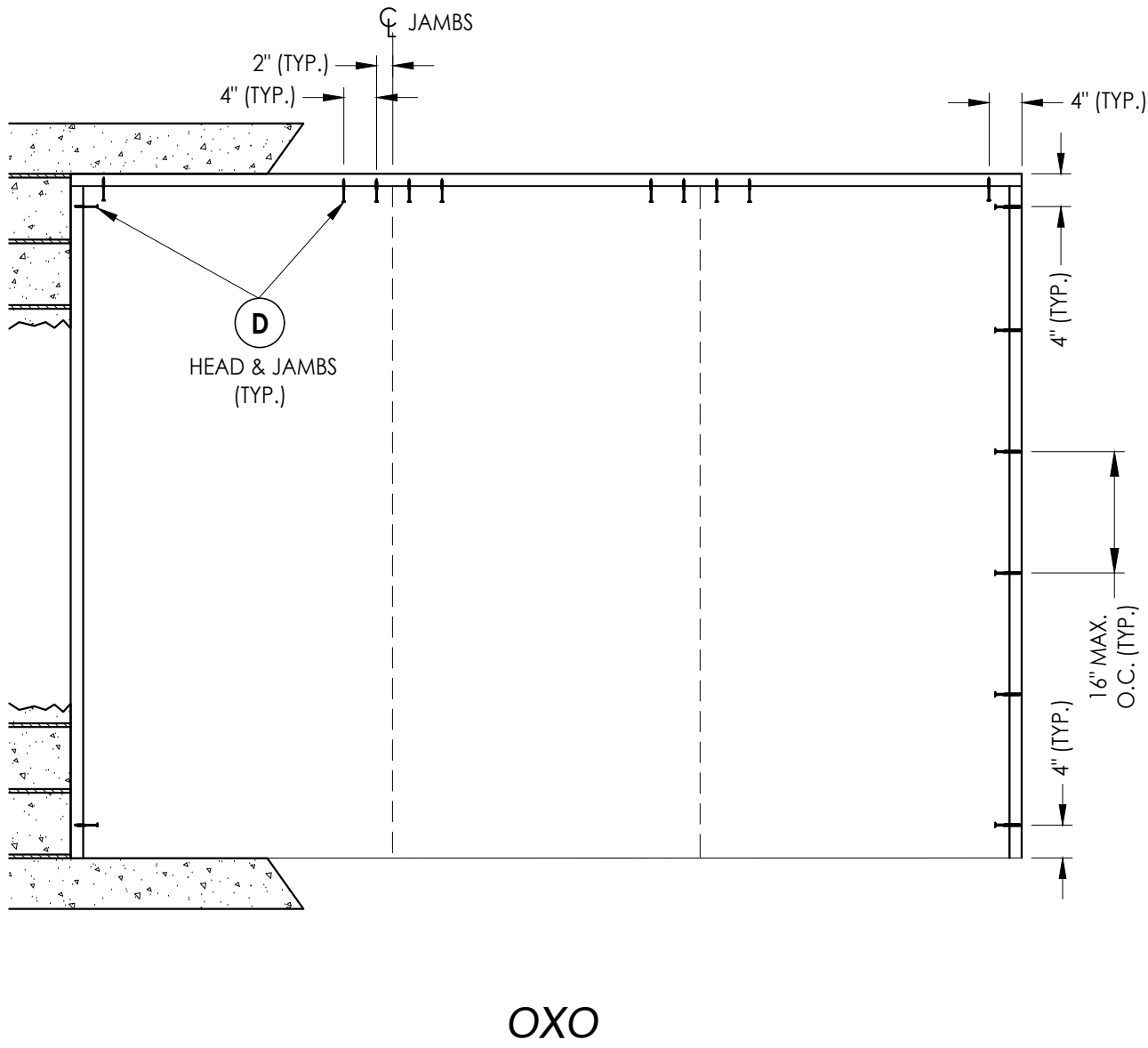
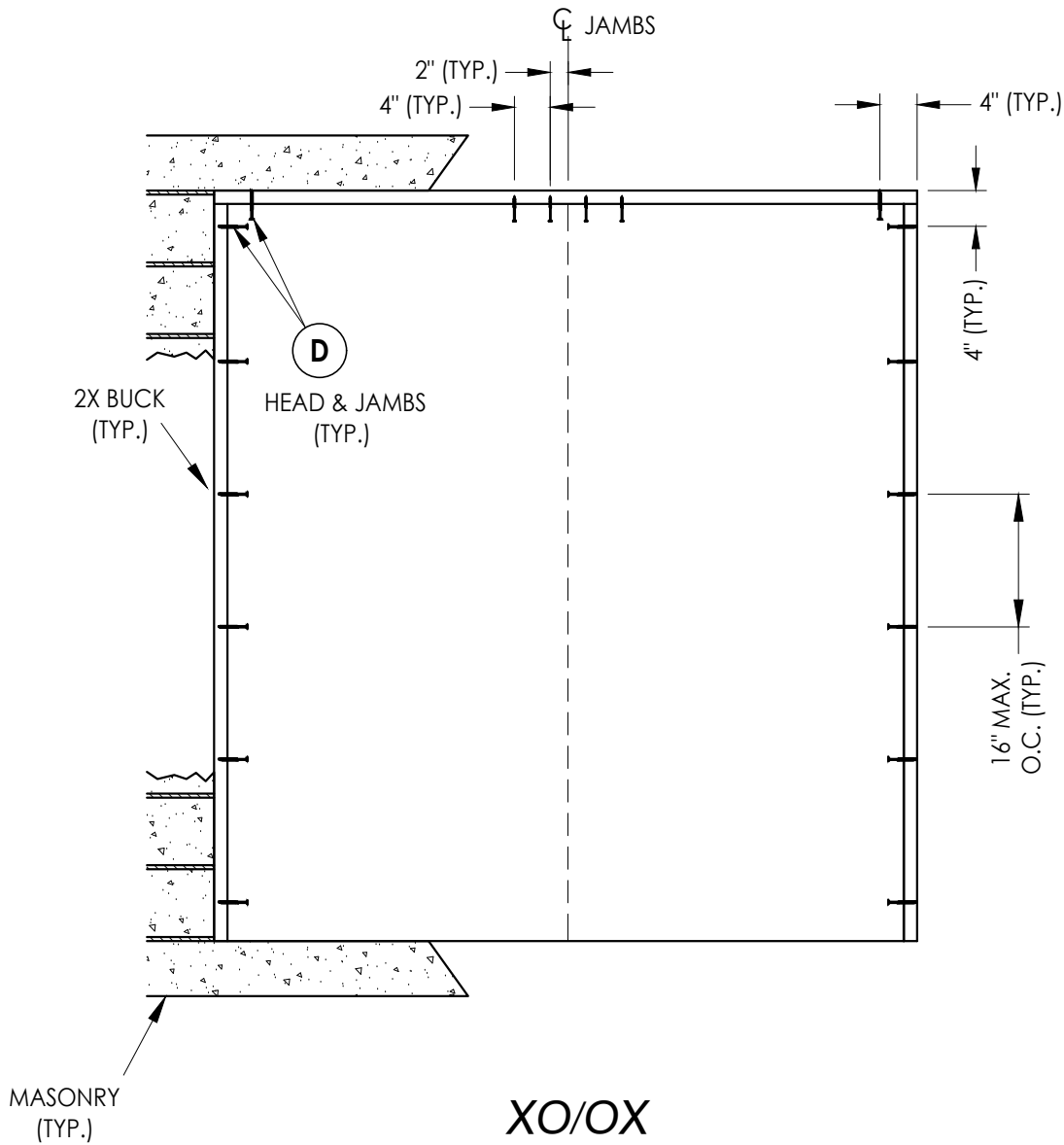
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DRAWING NO.:

FL-37183.2

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2X BUCK ANCHORING

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DRAWING NO.: FL-37183.2	
SHEET 10	OF 14

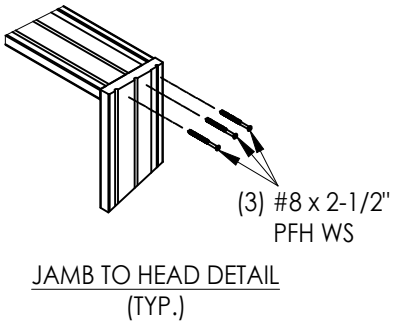
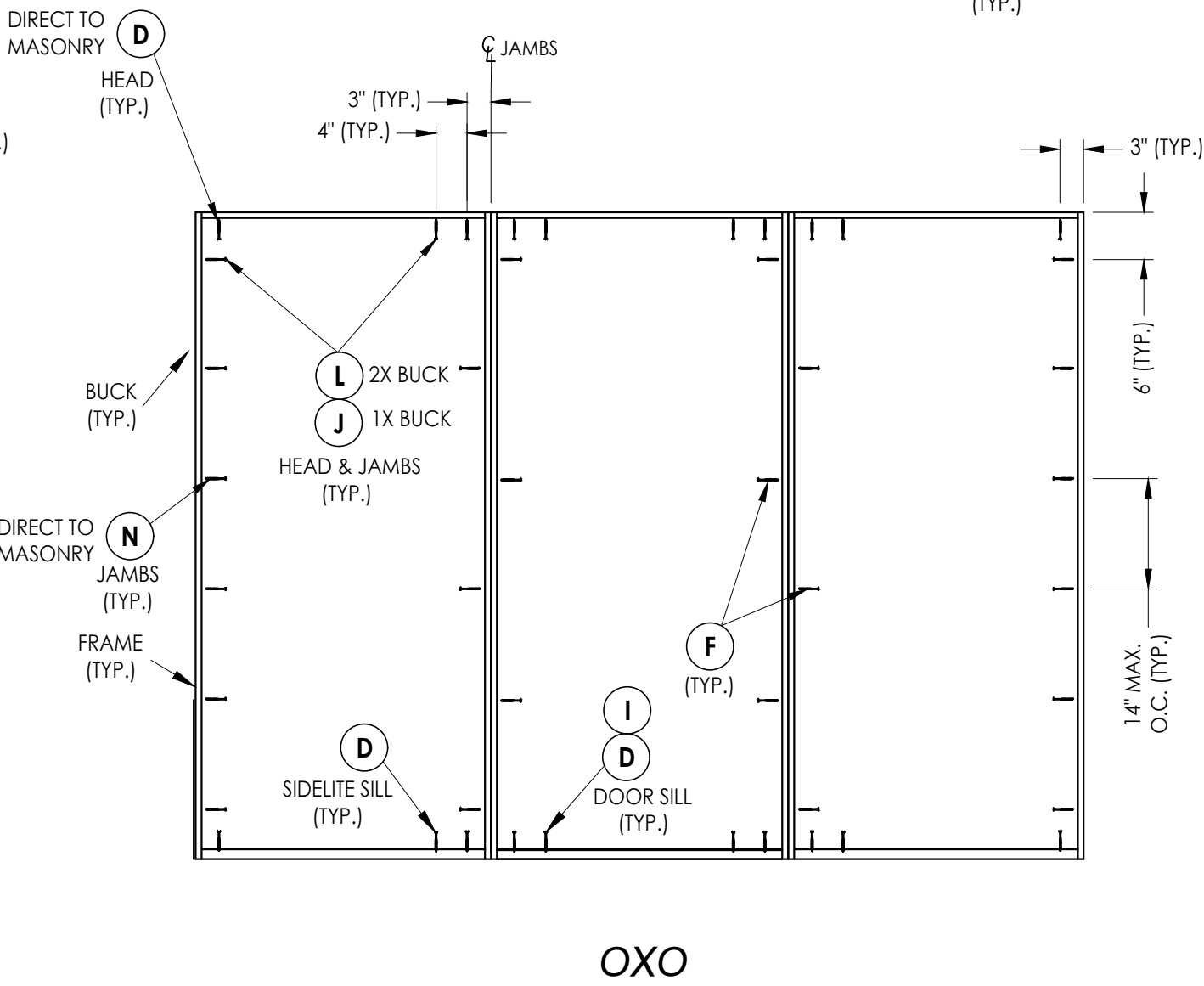
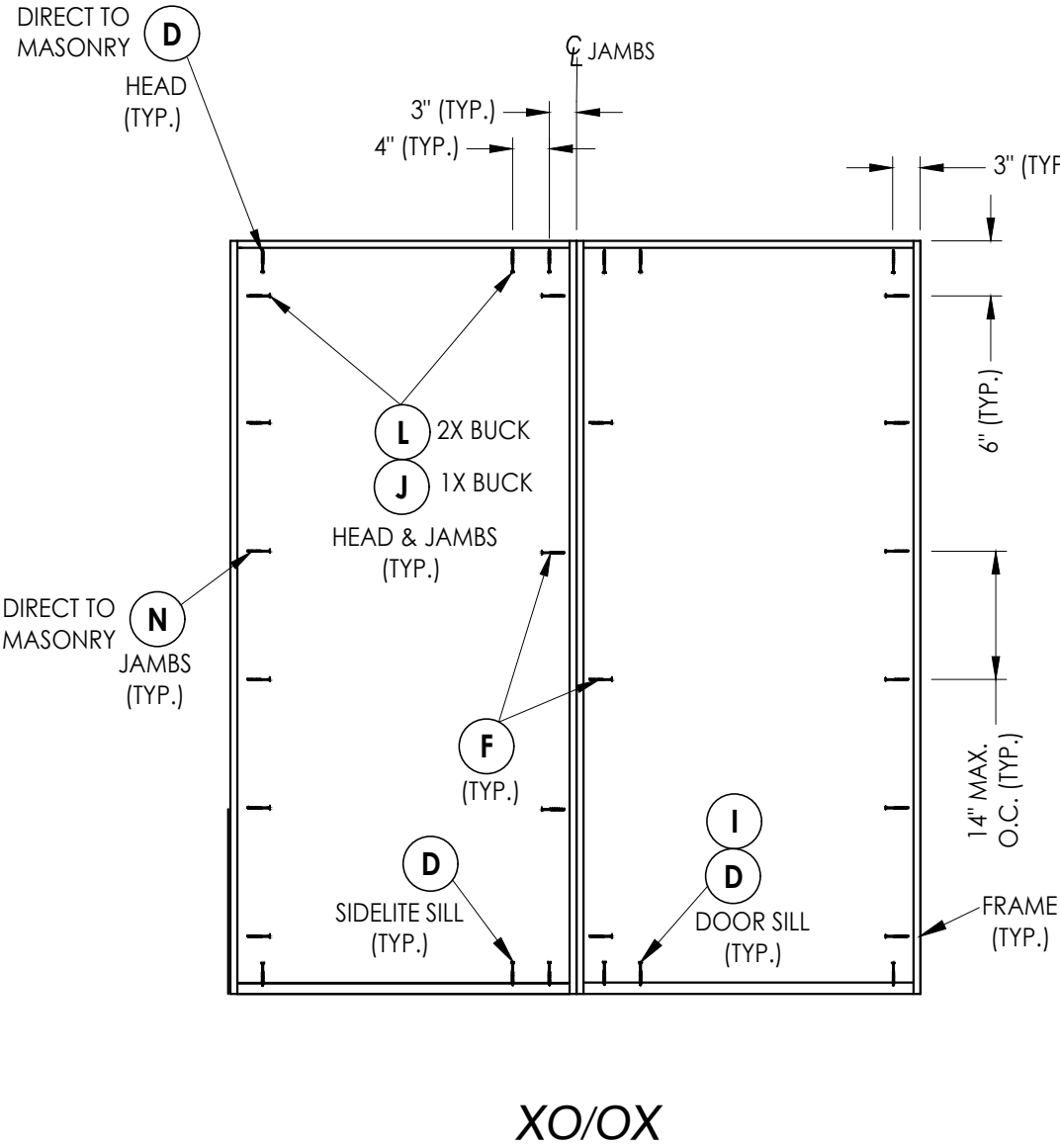
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2	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS
1	7/27/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
					BY

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

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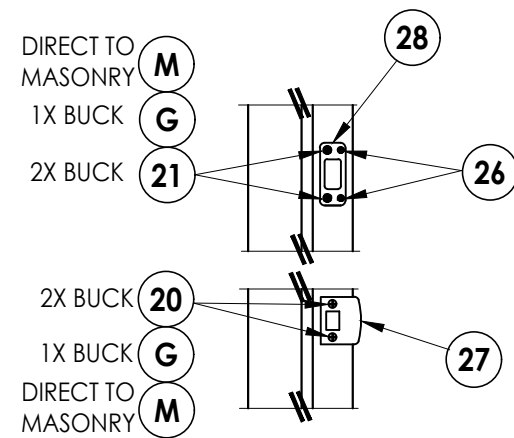

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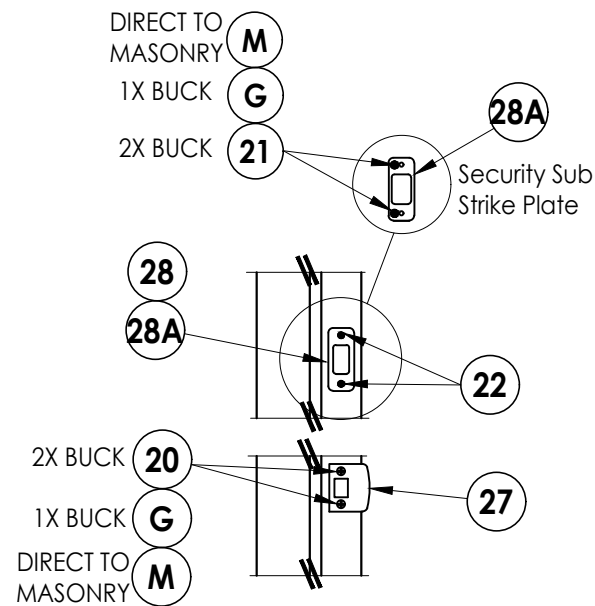


FRAME ANCHORING

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PRODUCT: THERMA-TRU FIBERGLASS DOOR				PART OR ASSEMBLY: FRAME ANCHORING			
				LFS	FBC		
				LFS	FBC		
				BY			
				REVISIONS			
				NO.	DATE		
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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DRAWING NO.: FL-37183.2							
SHEET 11 OF 14							

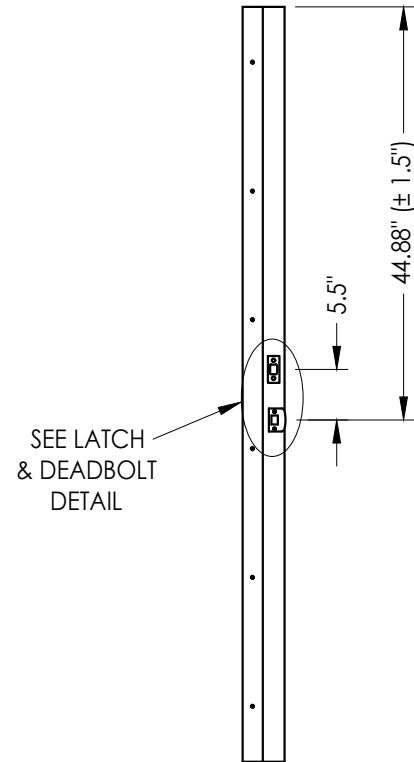


LATCH & DEADBOLT DETAIL
Kwikset

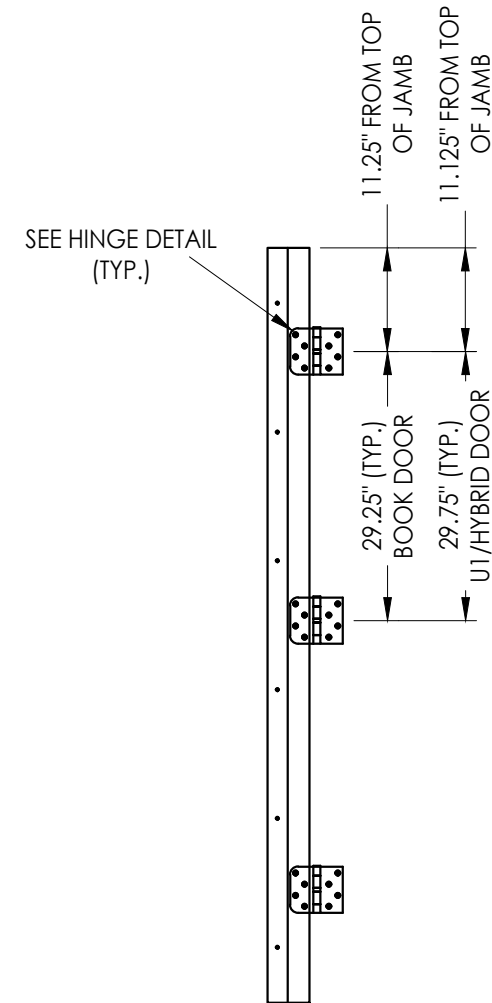


LATCH & DEADBOLT DETAIL
Schlage

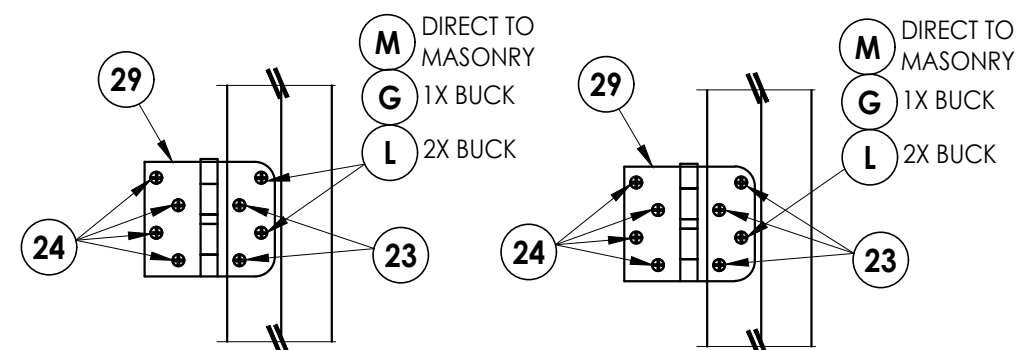
LATCH & DEADBOLT STRIKE DETAILS



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: 5/25/21

SCALE: *N.T.S.*

DWG. BY: *RW*

CHK. BY: *LFS*

DRAWING NO.:

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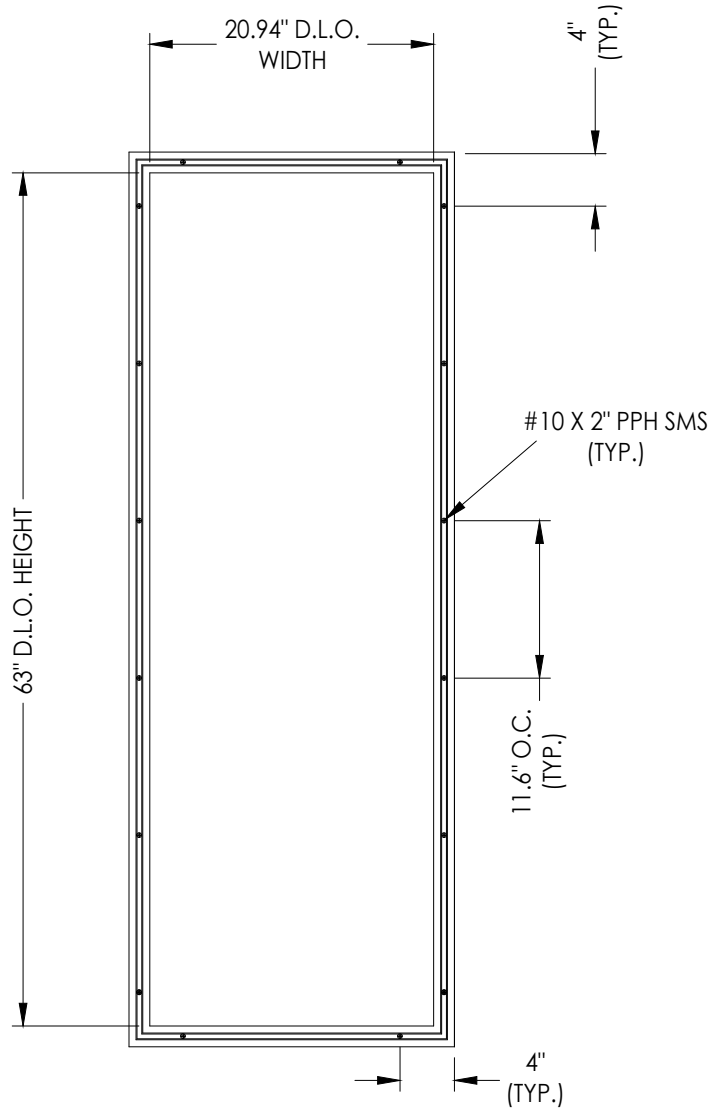
SHEET 12 OF 14

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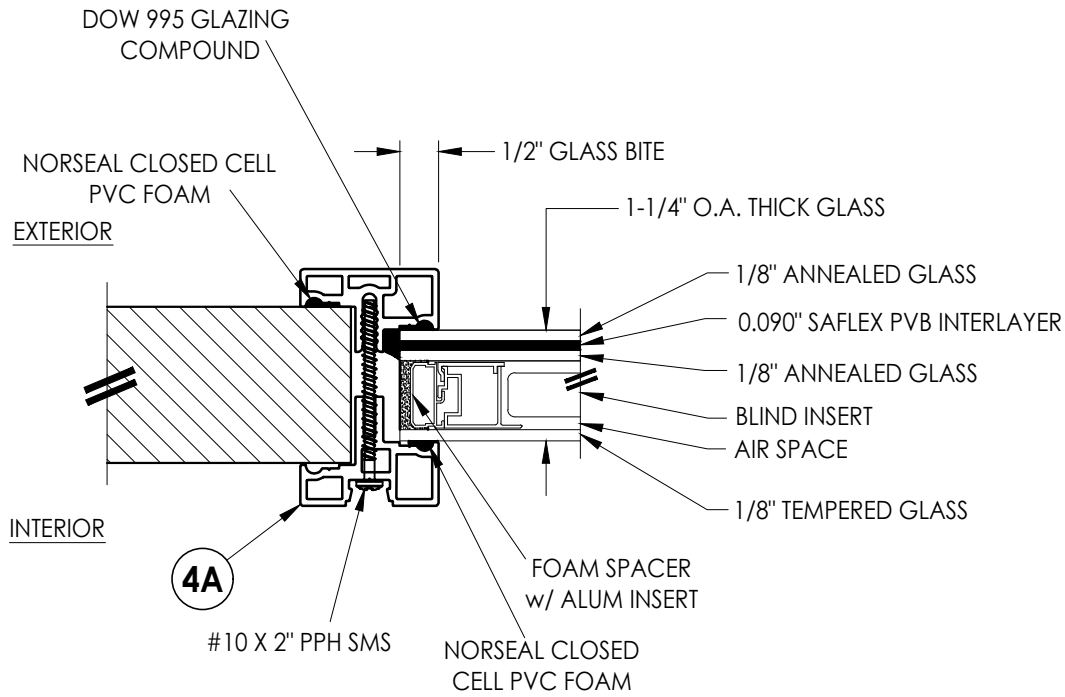
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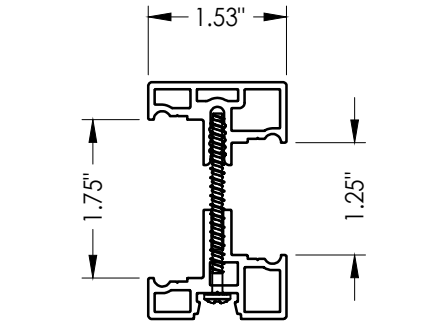
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6'-8" LITE FRAME
ALUM. (6063-T5)



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



4A ALUMINUM IMPACT LITE FRAME

NO.	DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
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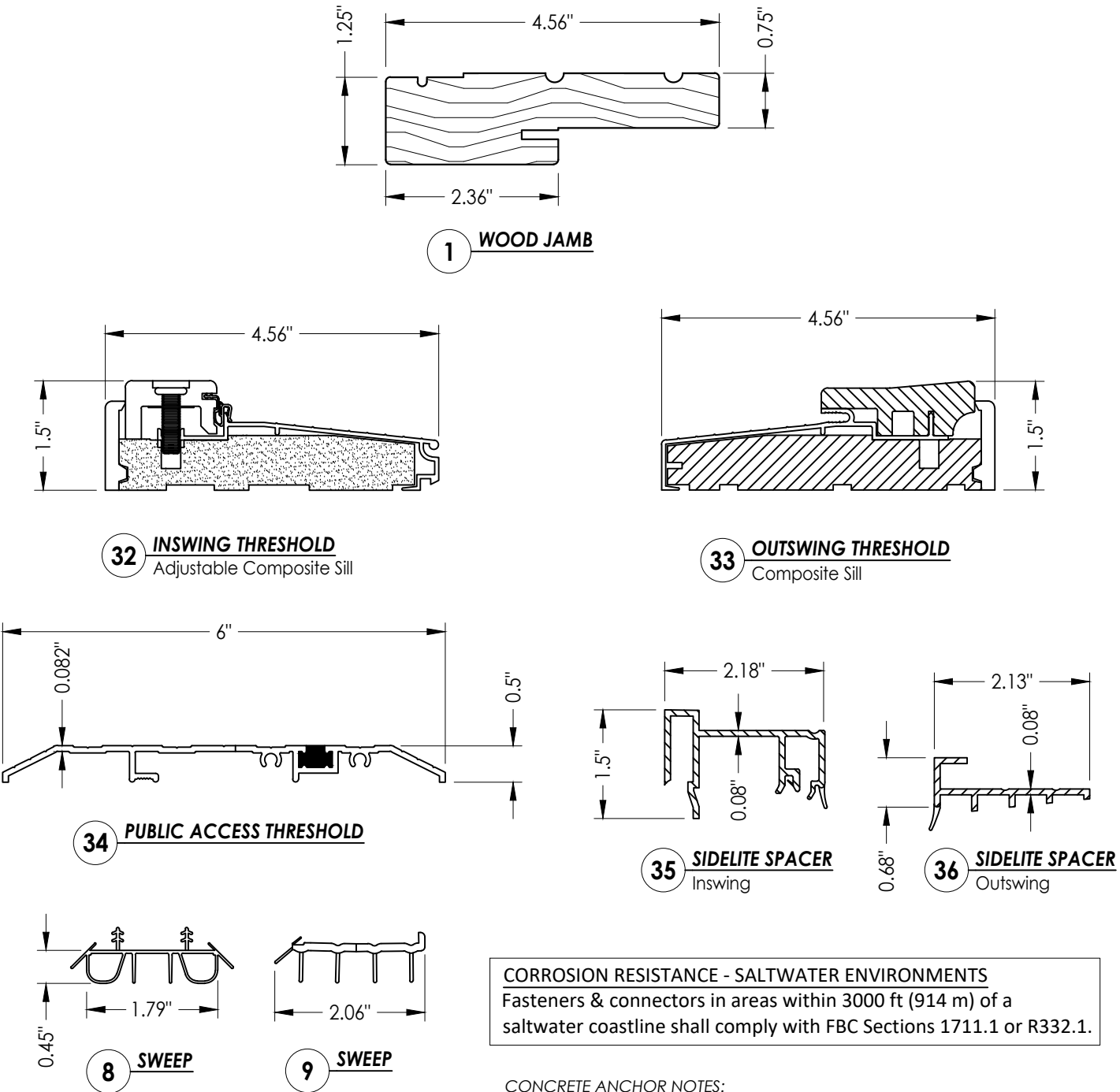
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SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-37183.2
SHEET	13 OF 14

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

Documents Prepared By:
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FBPE Registry 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
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
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL
1	WOOD JAMB (FINGER JOINT PINE)	WOOD
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	-



CORROSION RESISTANCE - SALTWATER ENVIRONMENTS
Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

CONCRETE ANCHOR NOTES:
Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
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.
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	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]