



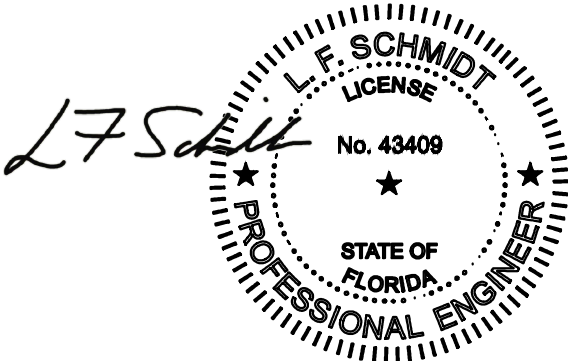
Fiber-Classic® & Smooth-Star®

"SHAKER"
COMPOSITE EDGE
FLUSH GLAZED FIBERGLASS
DOUBLE DOOR w/ or w/out SIDELITES
INSWING/OUTSWING
"NON-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 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.

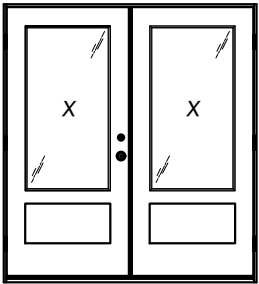
TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET#	
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6	Horizontal & Vertical Cross Sections (1X Buck)	13	Bill of Materials & Components
7	Horizontal & Vertical Cross Sections (Direct to Masonry)		



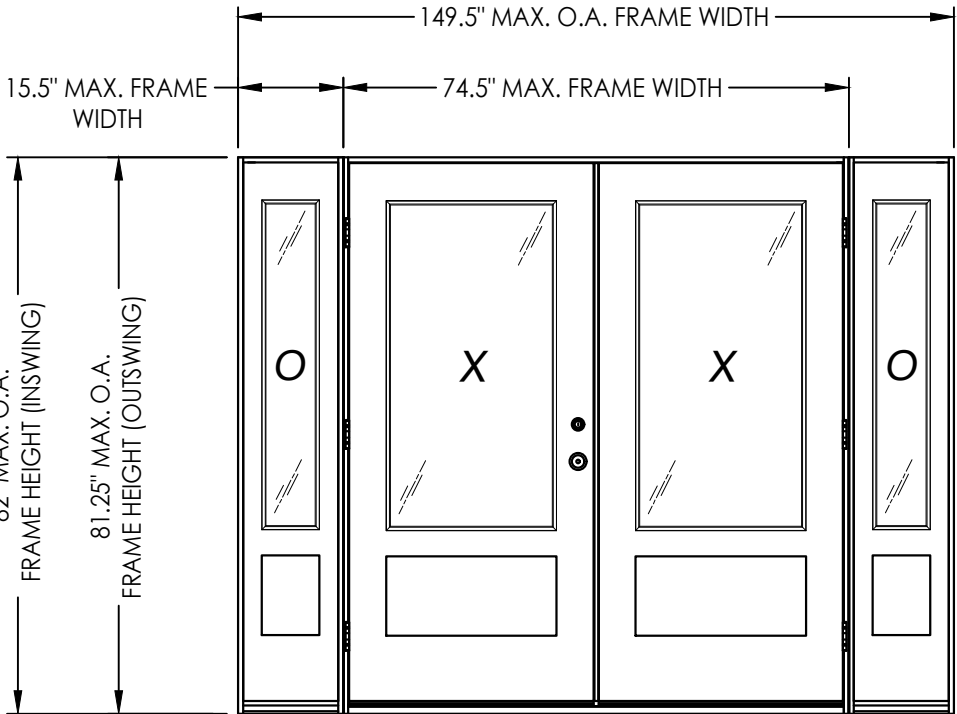
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

Digitally signed by
Lyndon F Schmidt
Date: 2026.08.17
10:26:33 -04'00'



XX



CONFIGURATION	ASTRAGAL	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX, OXXO	STANDARD	+40.0	-45.0	+40.0	-40.0
	COASTAL	+50.0	-55.0	+55.0	-55.0

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: 5/06/26

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-48194.4

SHEET 1 OF 13

1 8/17/26 UPDATE TO 9TH ED. (2026) FBC

NO. DATE

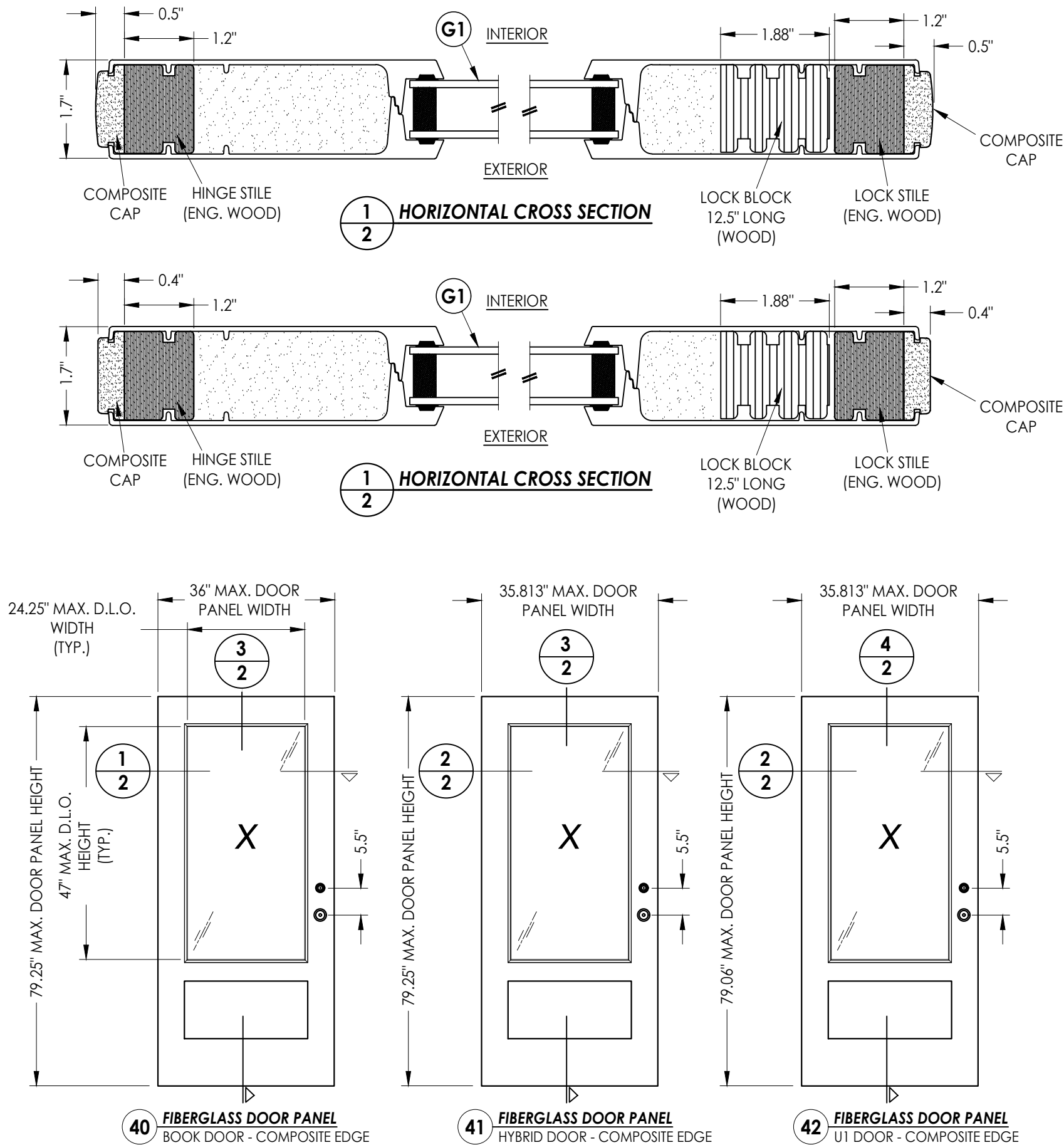
BY

REVISIONS

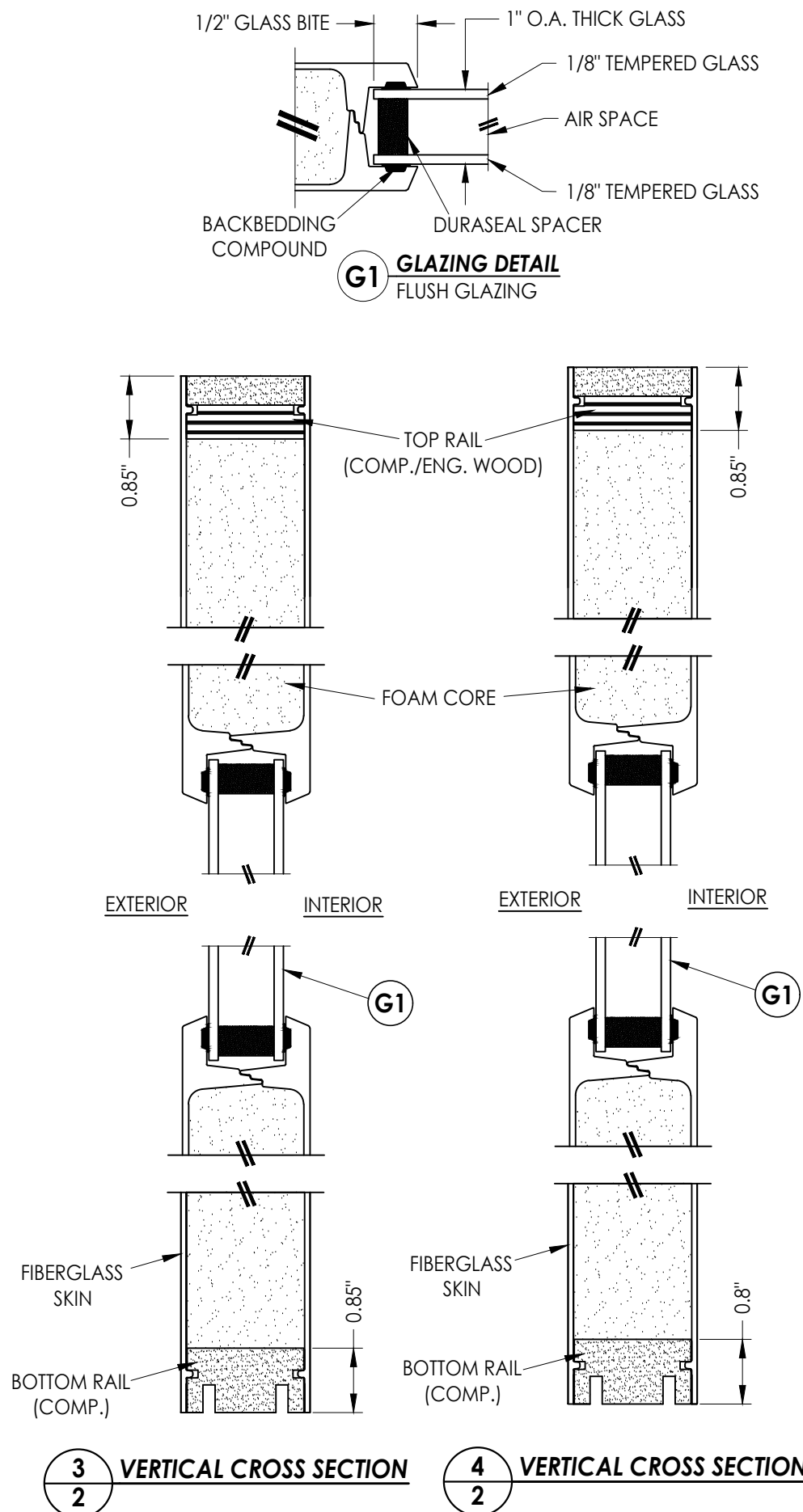
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FBPE Registry No. 9813

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

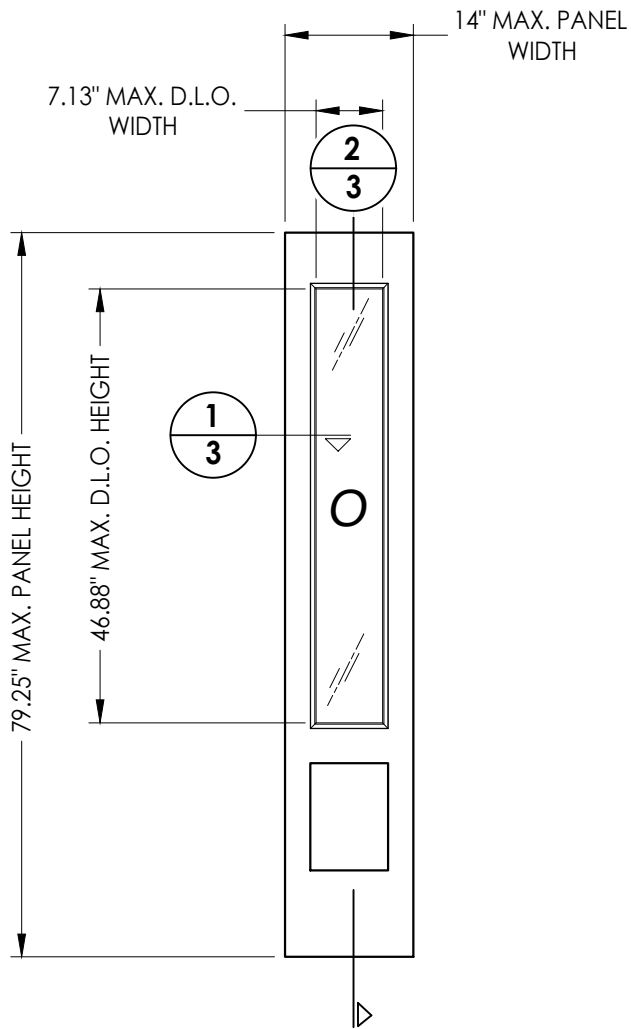


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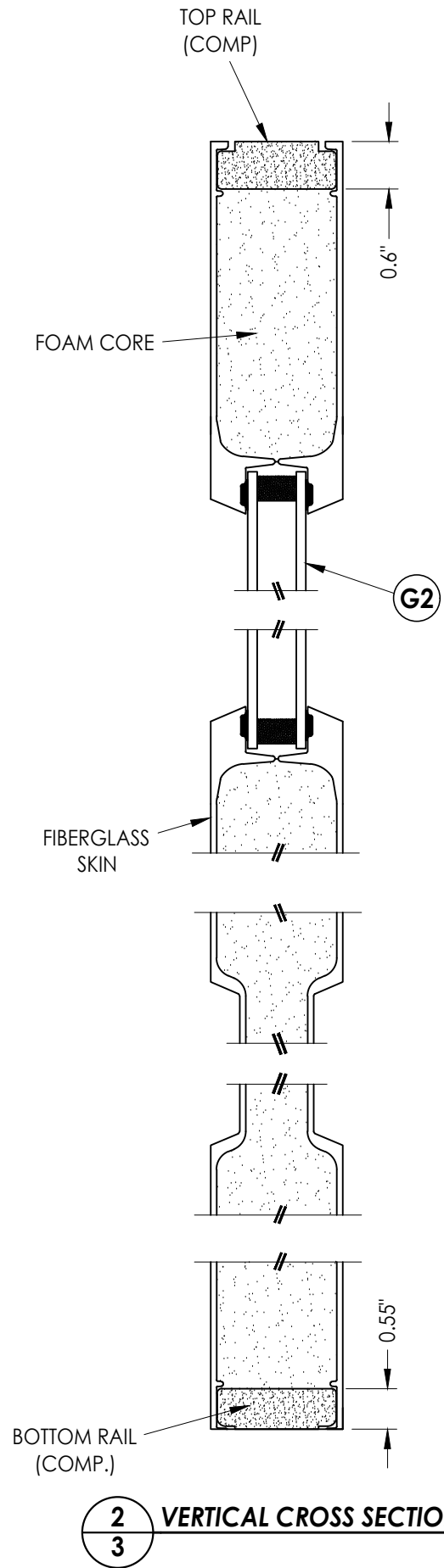
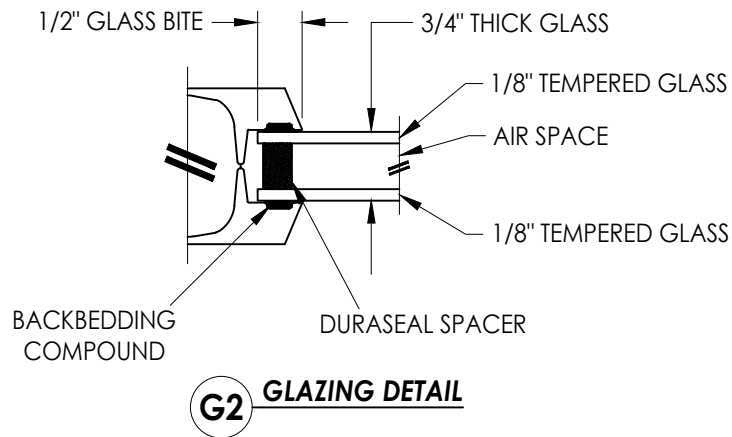
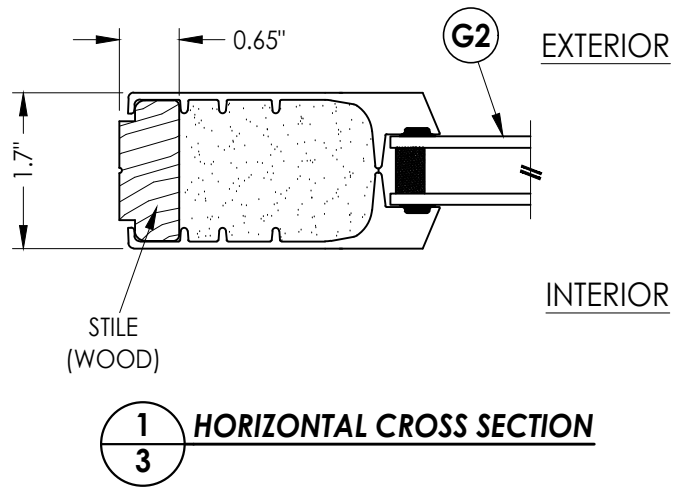
PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: DOOR PANEL & GLAZING DETAILS	
	</		

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50 FIBERGLASS SIDELITE PANEL
COMPOSITE EDGE

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



DATE: 5/06/26

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-48194.4

SHEET 3 OF 13

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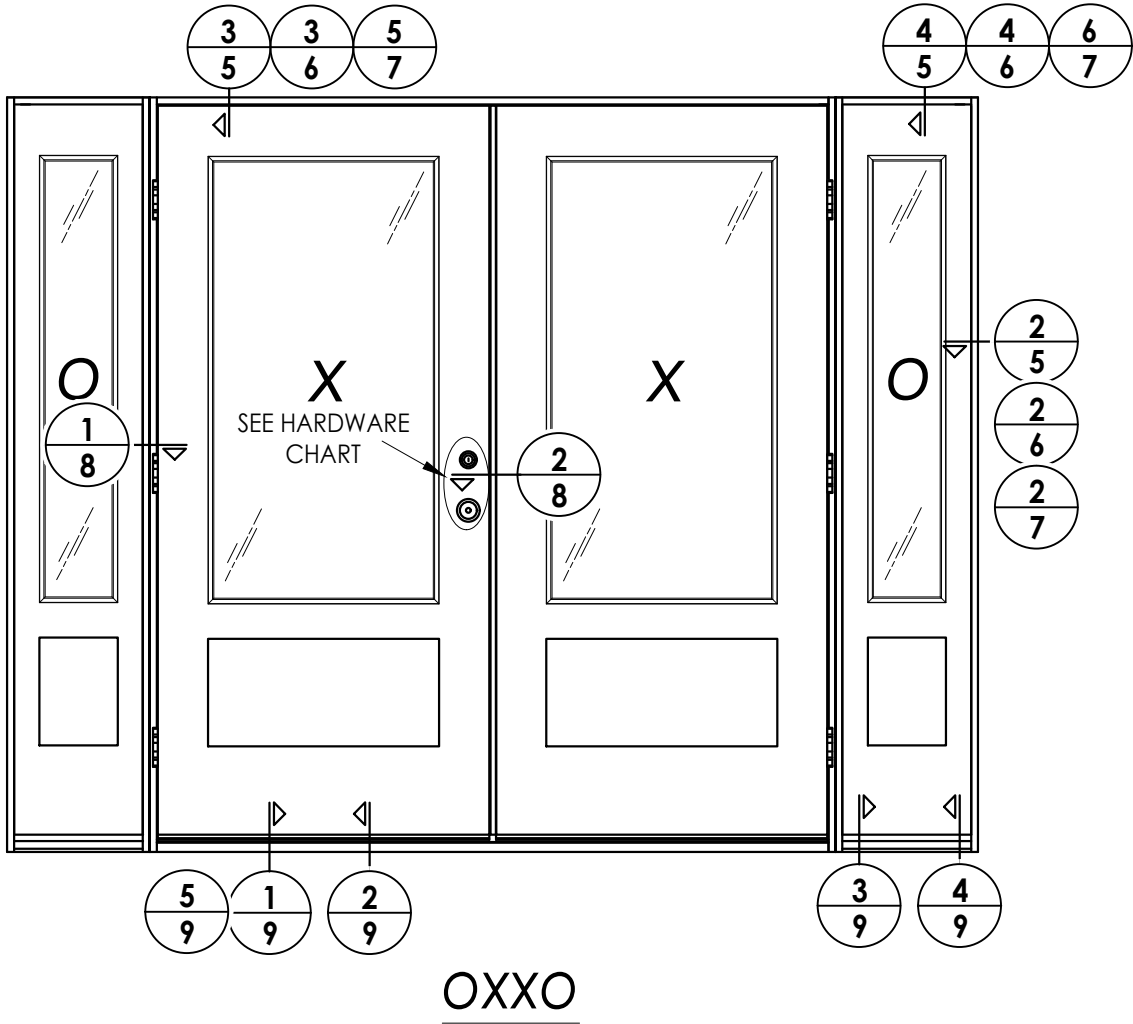
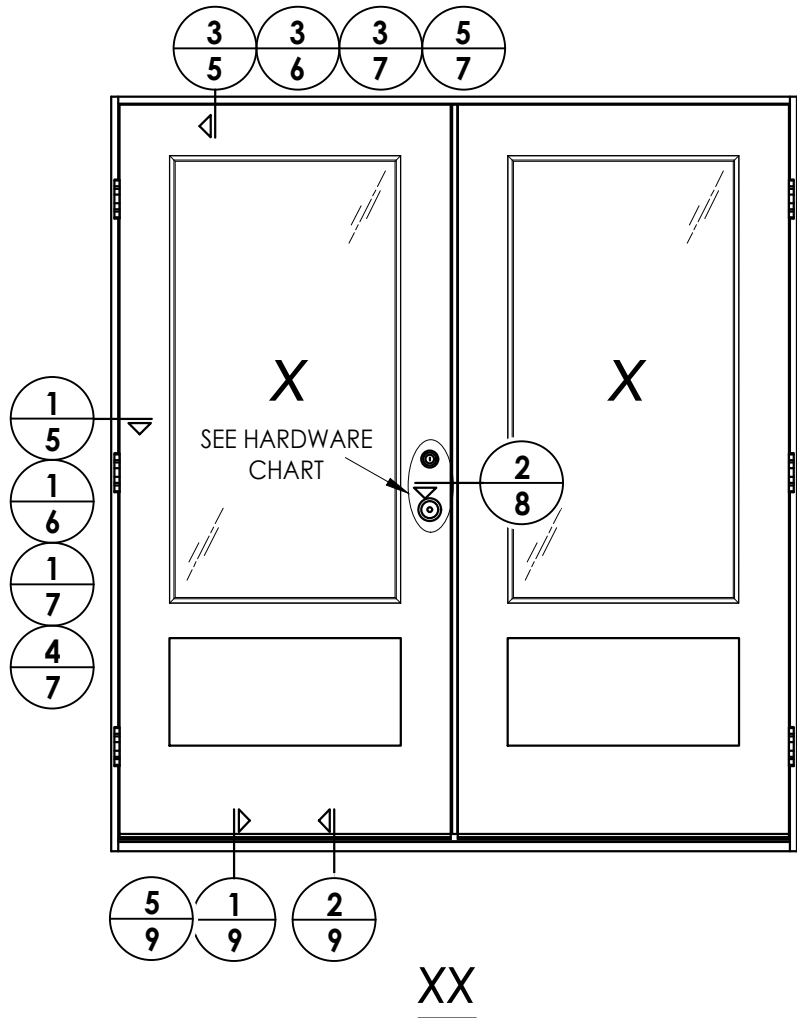
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
SIDELITE PANEL
& GLAZING DETAILS

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LFS	BY	

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

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P.E. No. 43409

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

DATE: 5/06/26

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-48194.4

SHEET 4 OF 13

REVISIONS

NO.	DATE	DESCRIPTION
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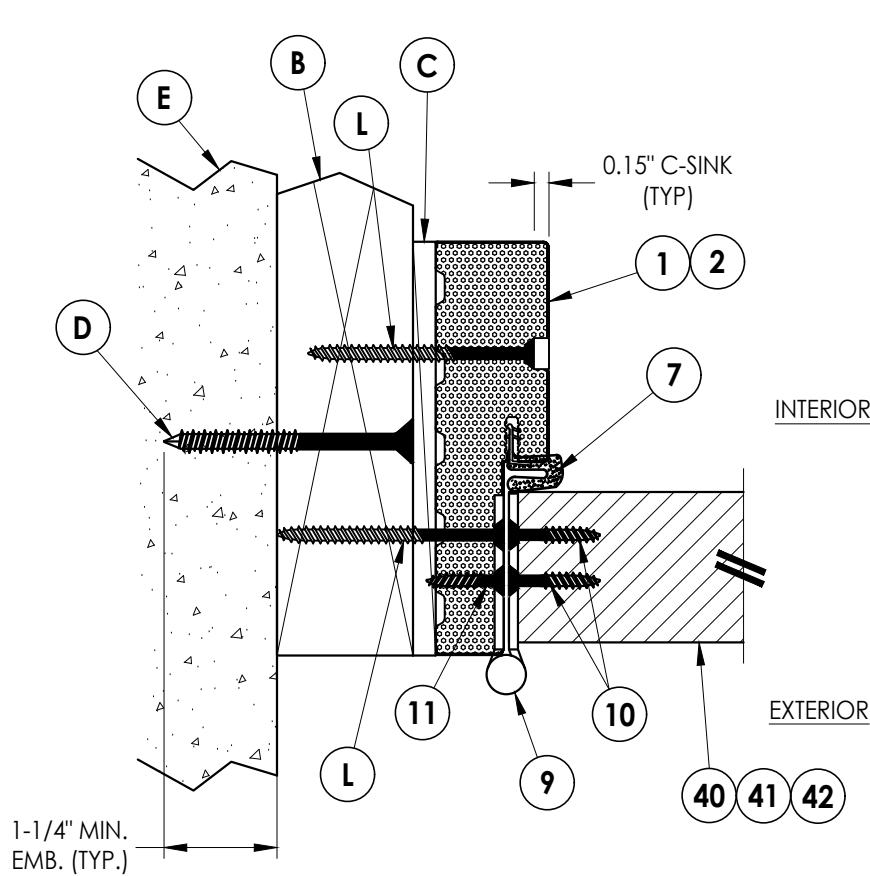
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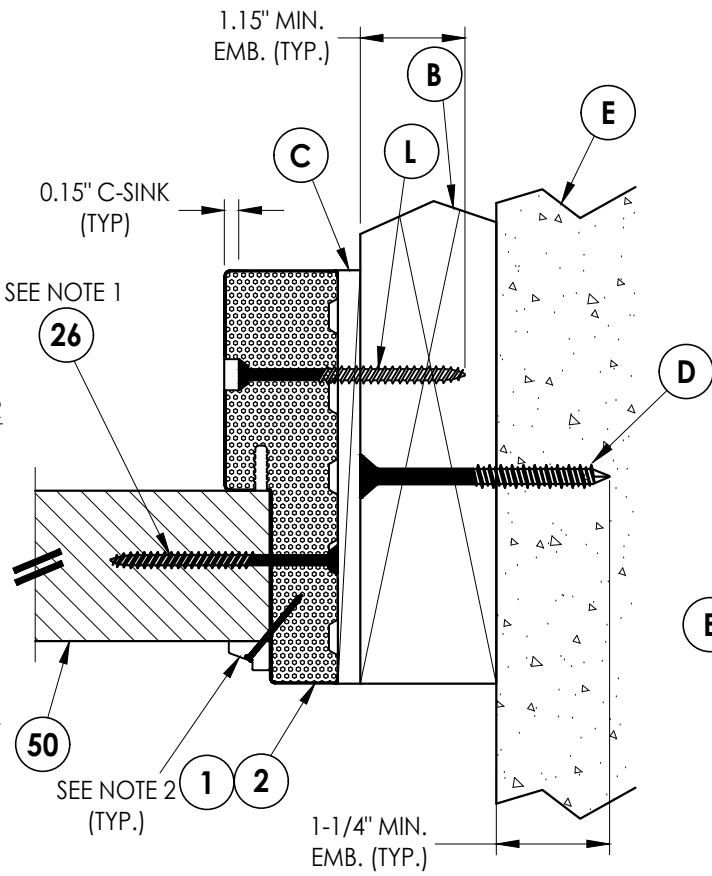
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Notes:

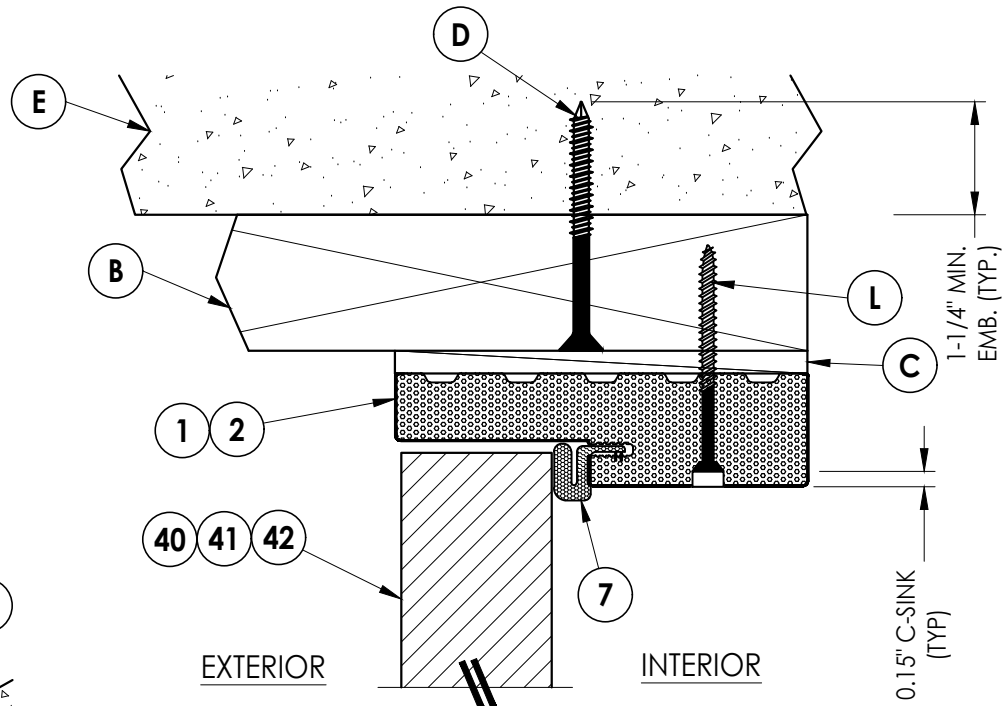
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
2. PVC/Wood Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 8" o.c. max.



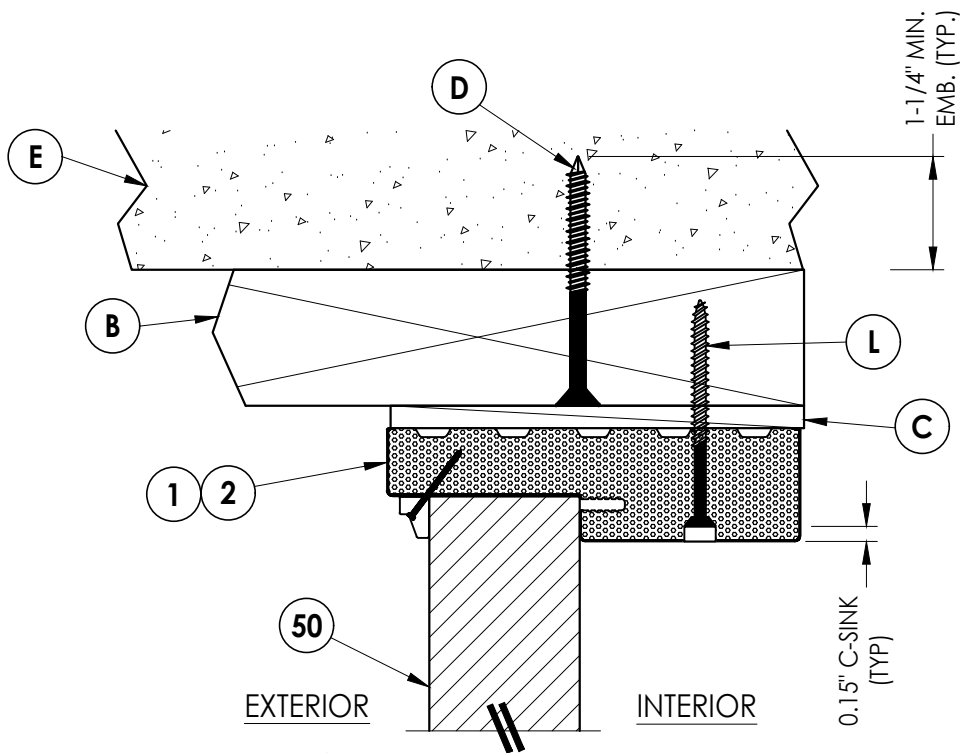
1
5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



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



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

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

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

NO.	DATE	BY	LFS
1	8/17/26	DATE	BY
REVISIONS			

DATE: 5/06/26

SCALE: N.T.S.

DWG. BY: RW

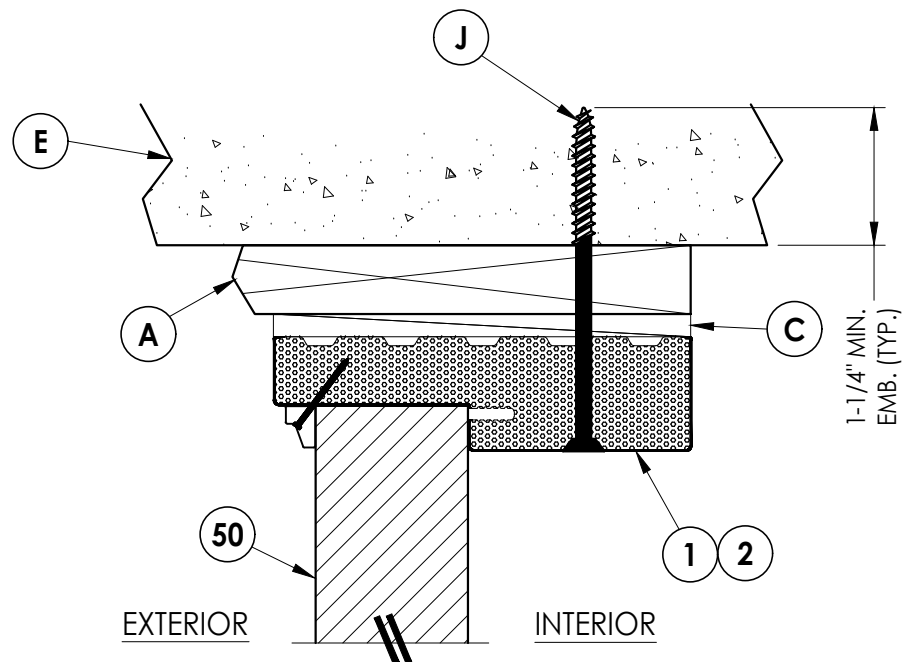
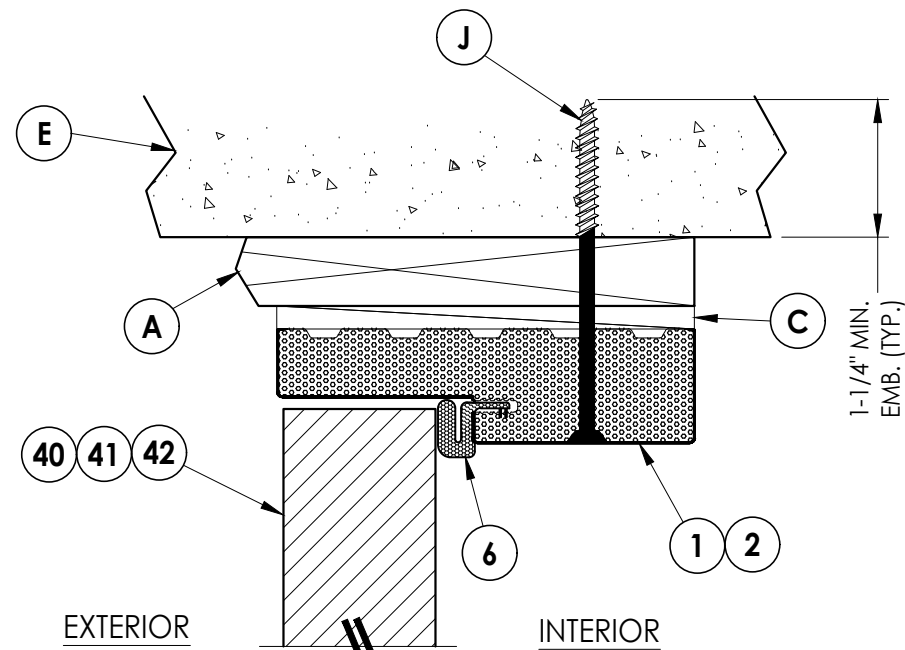
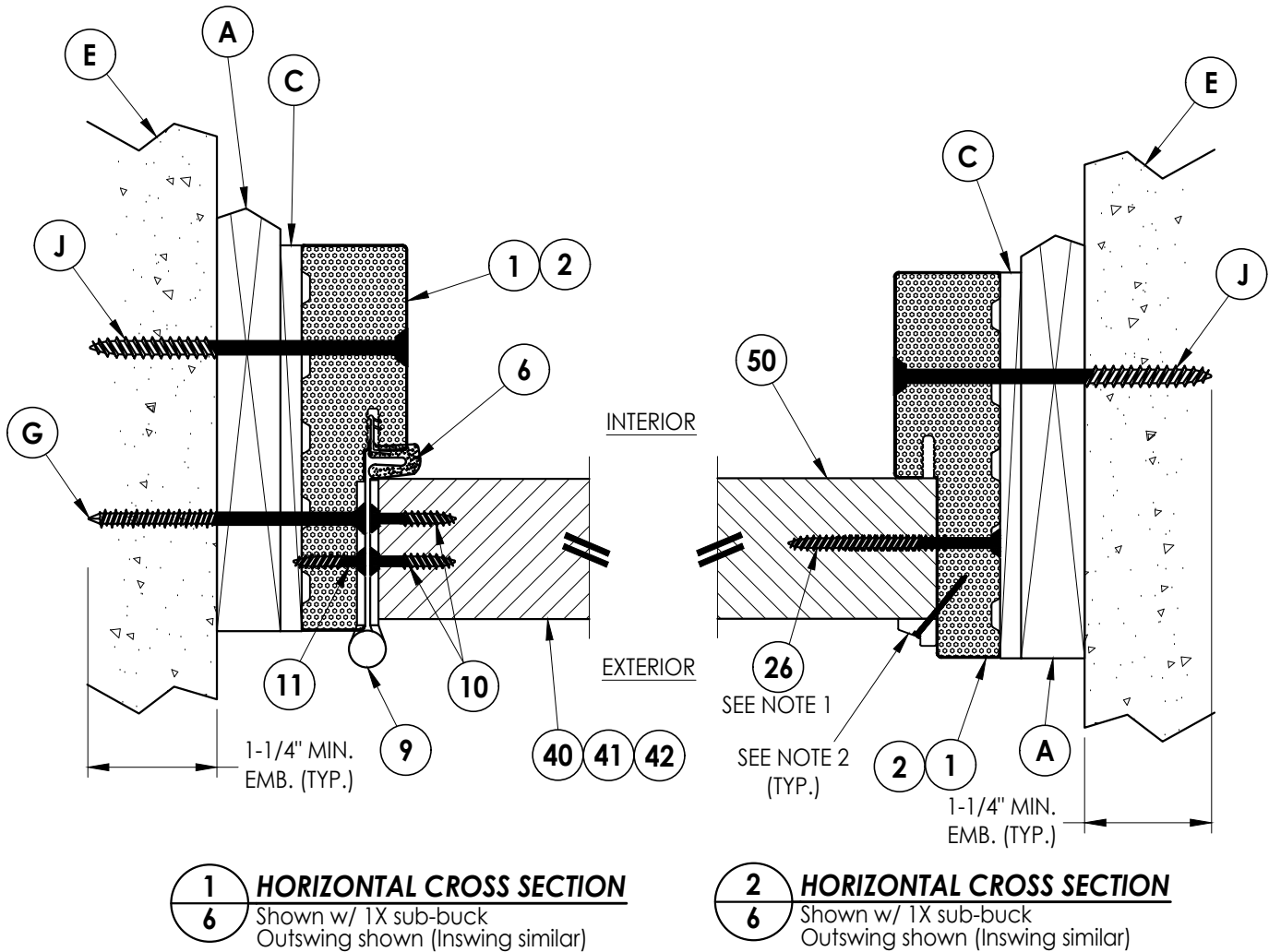
CHK. BY: LFS

DRAWING NO.:

FL-48194.4

SHEET 5 OF 13

- 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.



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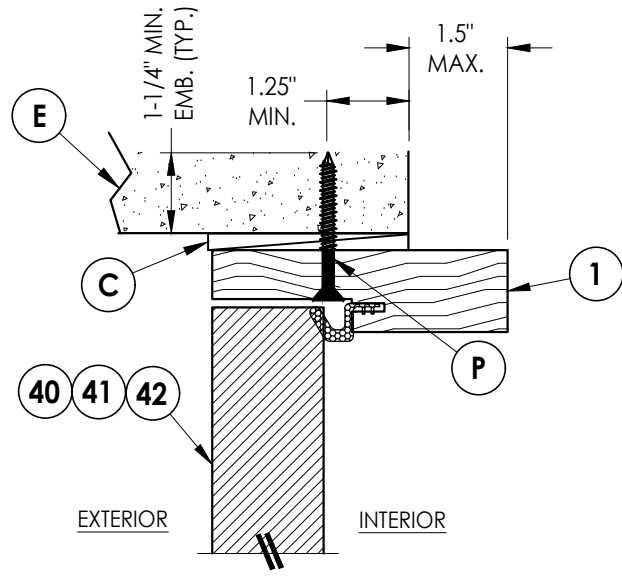
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PRODUCT: THERMA-TRU
FIBERGLASS DOOR

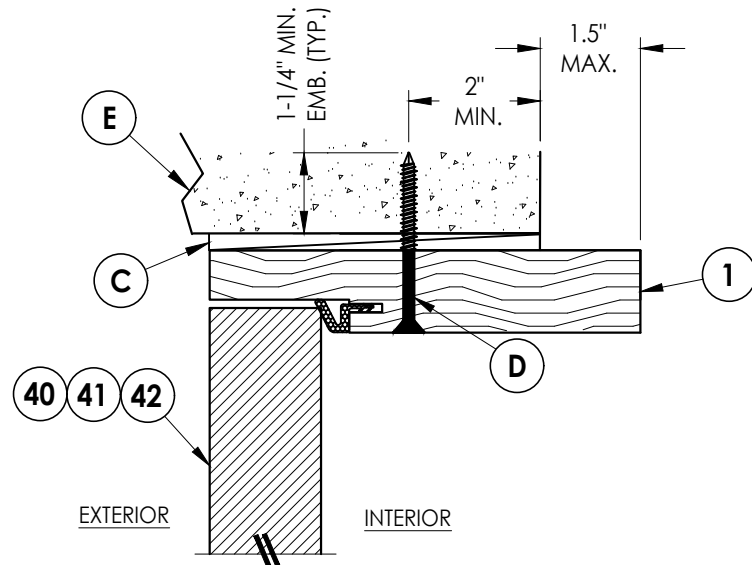
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (1X BUCK)

NO.	DATE	REVISIONS
1	8/17/26	UPDATE TO 9TH ED. (2026) FBC
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		BY

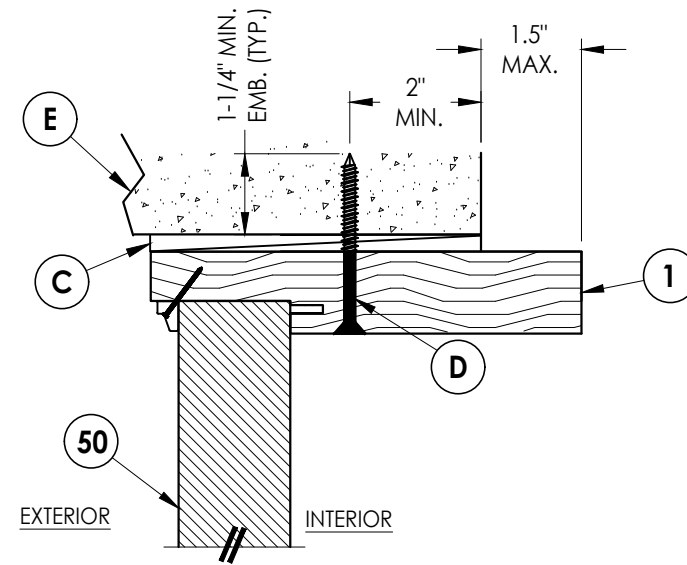
DATE: 5/06/26
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-48194.4
SHEET 6 OF 13



**3
7 VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb
Double Door Only (N/A w/ Sidelites)

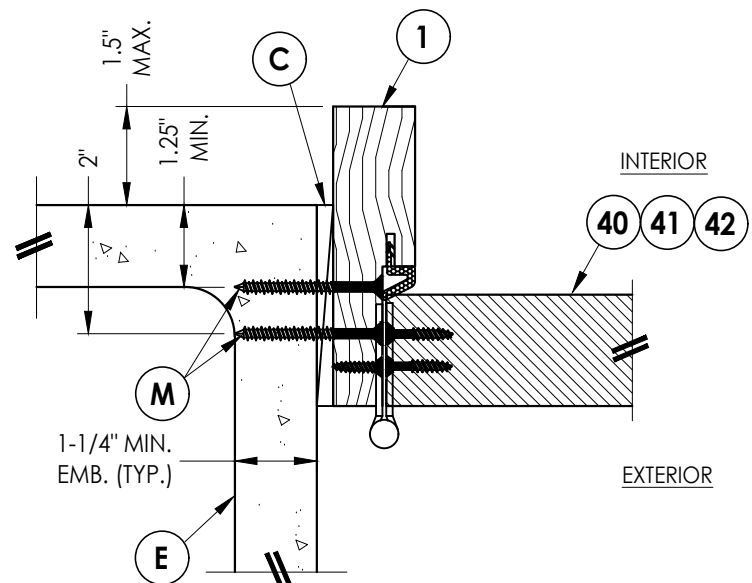


**5
7 VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

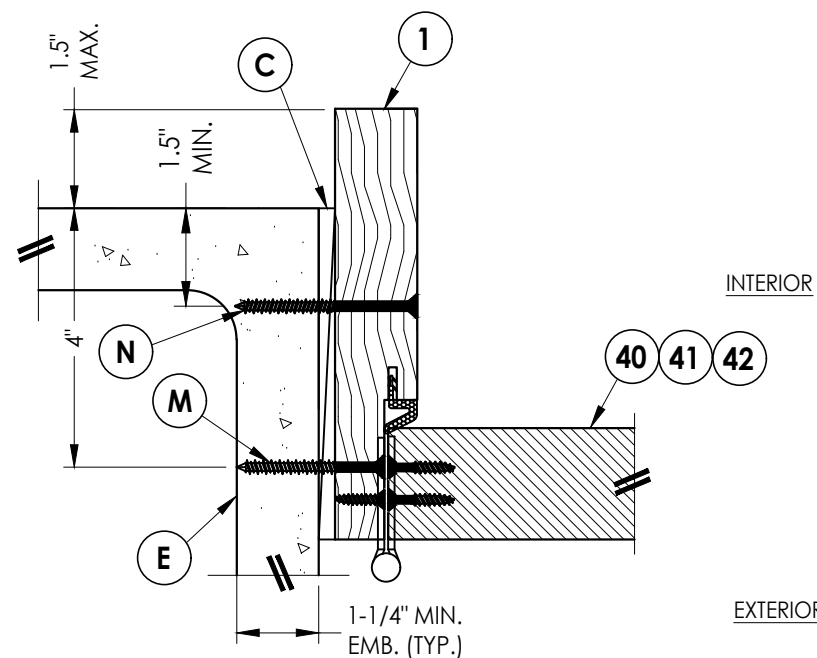


**6
7 VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

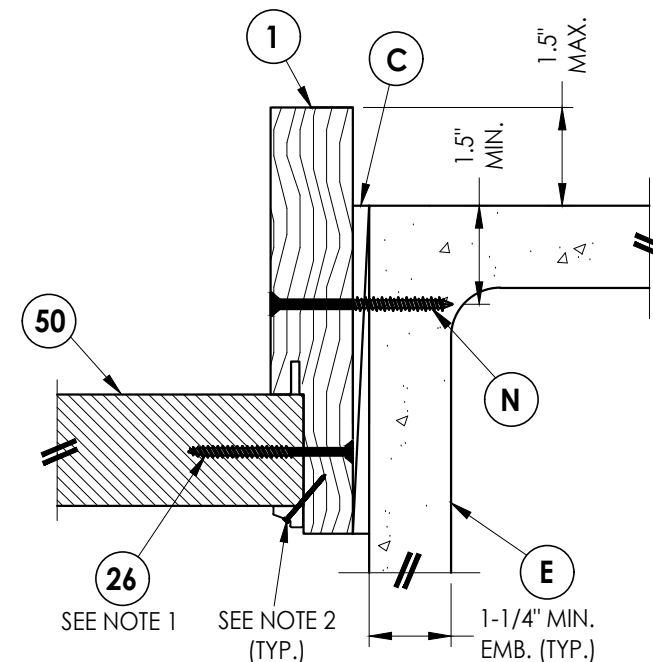
Note:
1. Sidelite assembly screws located 4" from each end plus 6 more
equally spaced between (6 screws total per side jamb).



**1
7 HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb
Double Door Only (N/A w/ Sidelites)



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



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

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P.E. No. 43409

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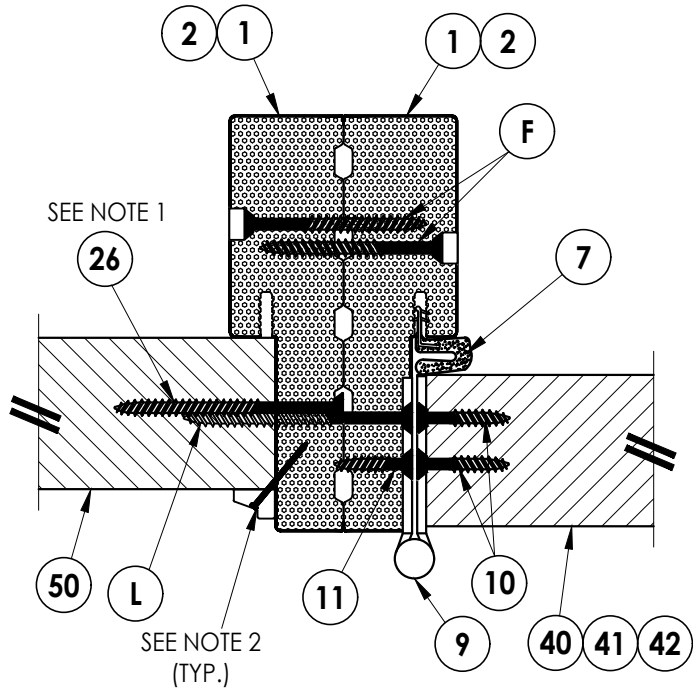
PRODUCT: THERMA-TRU
FIBERGLASS DOOR
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
SECTIONS (DIRECT TO MASONRY)

NO.	DATE	REVISIONS
1	8/17/26	UPDATE TO 9TH ED. (2026) FBC
LFS	BY	

DATE: 5/06/26
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.:
FL-48194.4
SHEET 7 OF 13

Notes:

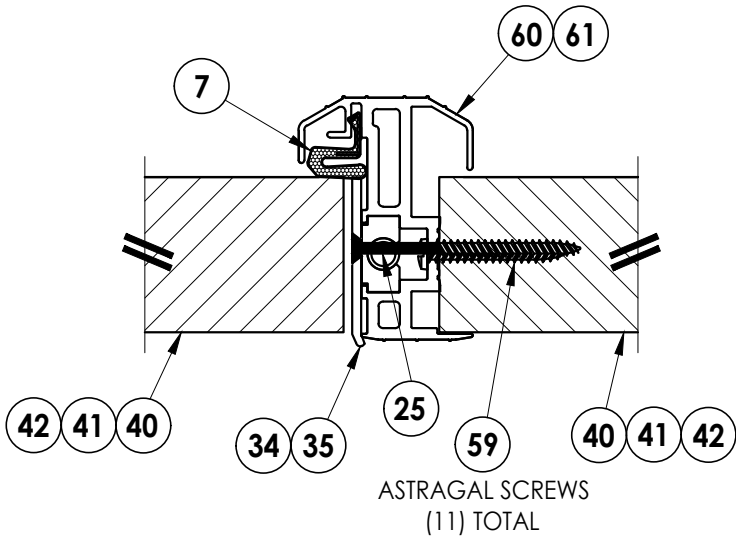
1. Sidelite assembly screws located 6" from each end and 4 more screws equally spaced between (6 screws total per side jamb).
2. PVC/Wood Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 8" o.c. max.



1
8 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

INTERIOR

EXTERIOR

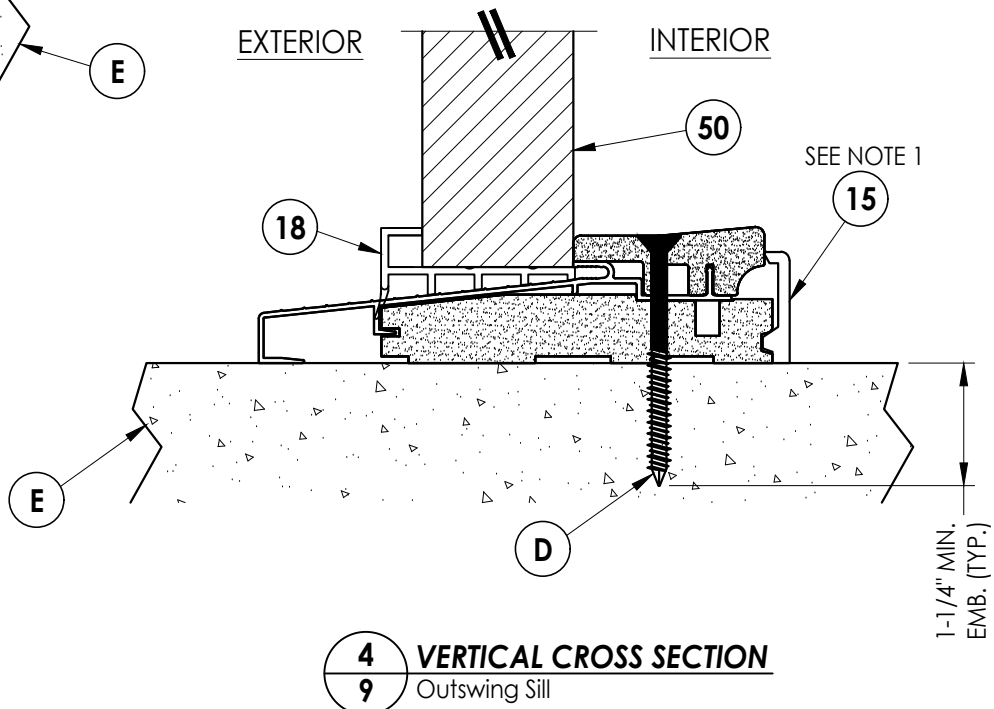
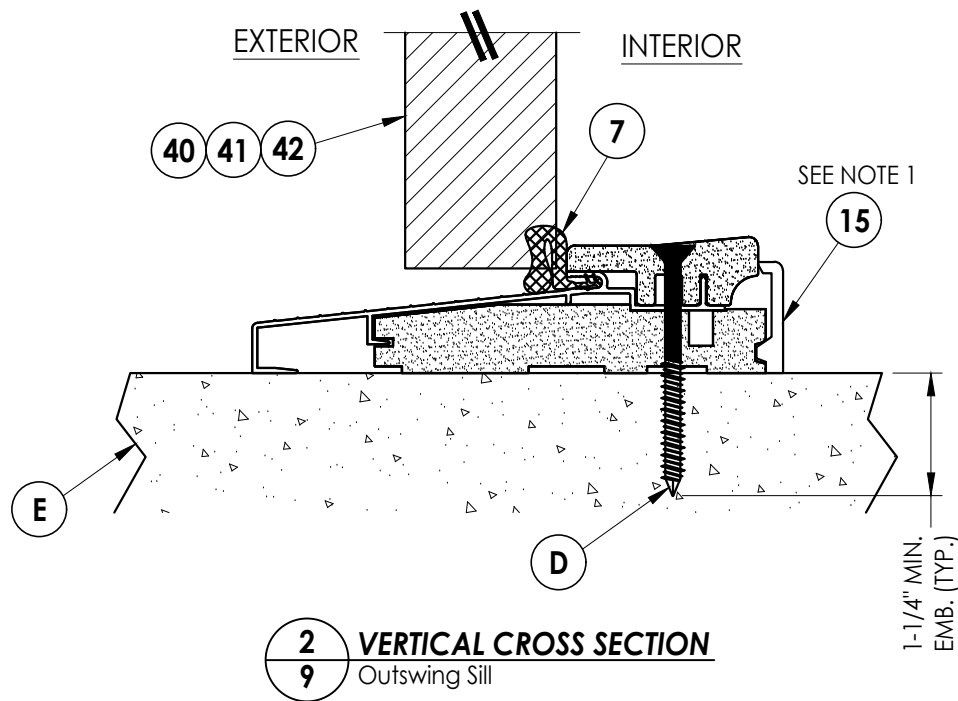
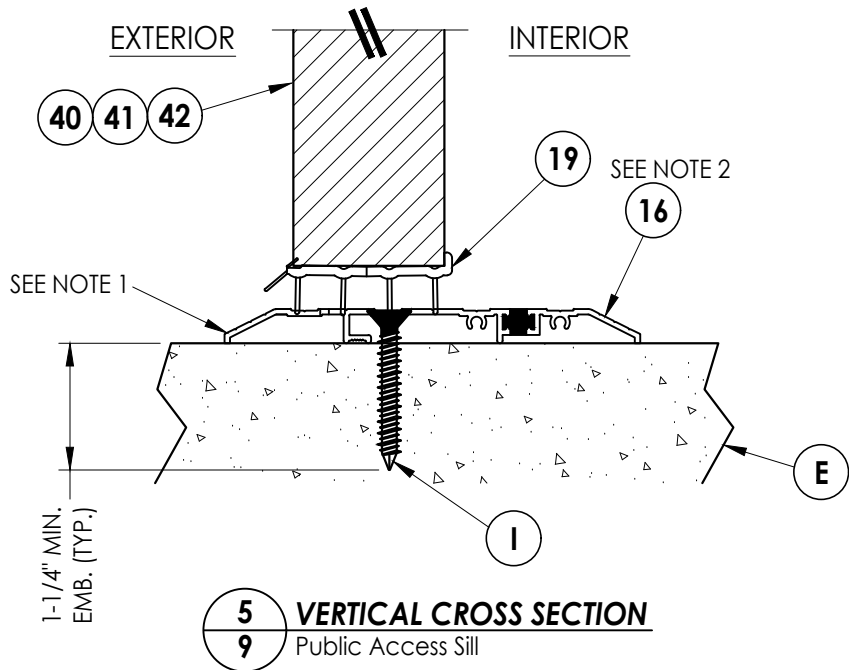
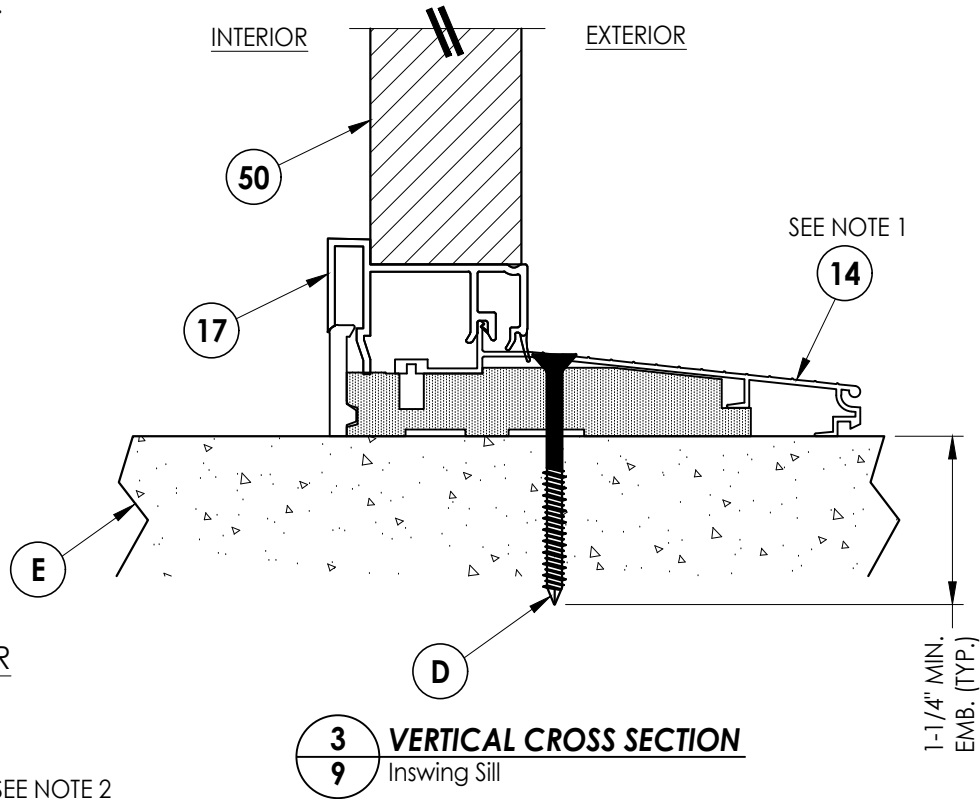
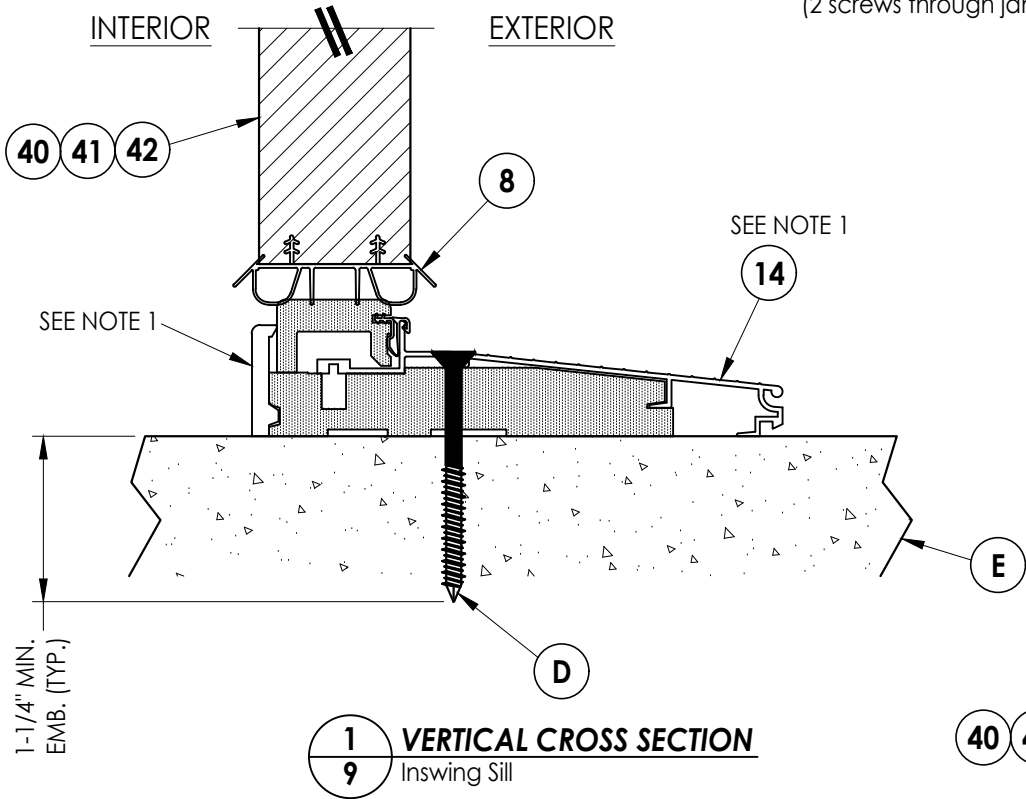


2
8 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

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PRODUCT: THERMA-TRU FIBERGLASS DOOR				PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS			
DATE: 5/06/26				REVISIONS			
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-48194.4							
SHEET 8 OF 13							

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- Notes:
- Sill items #14 & 15 are attached to each jamb w/ (3) #8 X 2-1/2" FH Deep Thread Wood Screws.
 - Sill item #16 is attached to each jamb w/ (4) #10 X 2" PH SMS at each end (2 screws through jamb into sill & 2 screws through sill up into jamb).



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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
1	8/17/26	UPDATE TO 9TH ED. (2026) FBC
		LFS
		BY

DATE: 5/06/26

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-48194.4

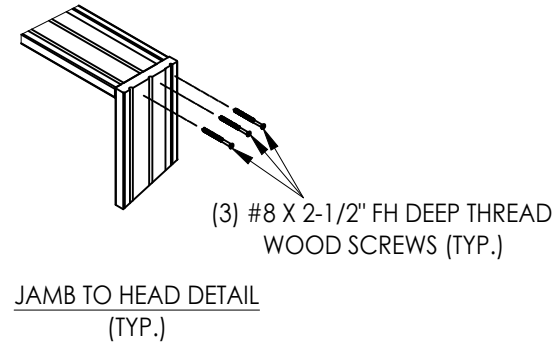
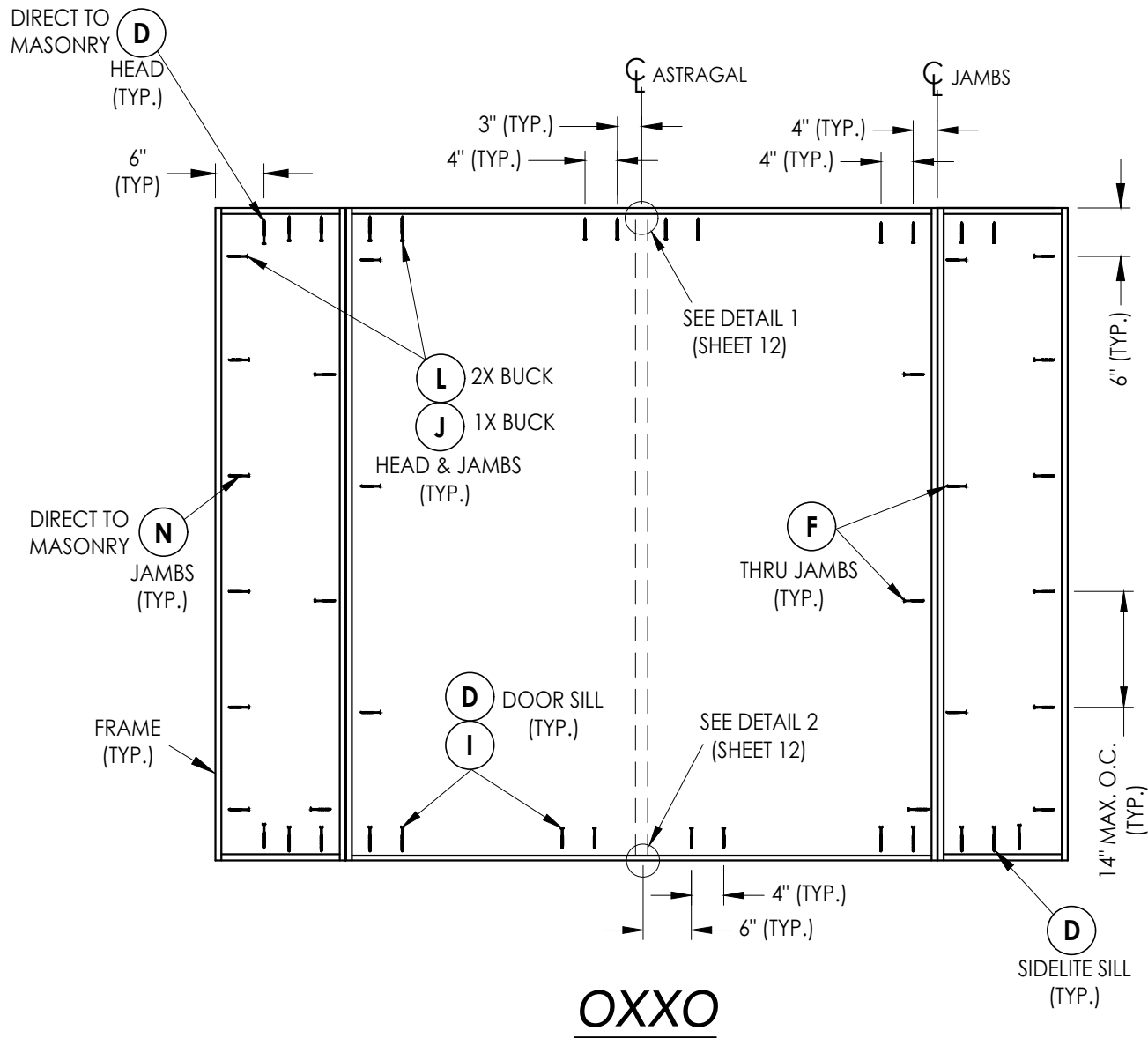
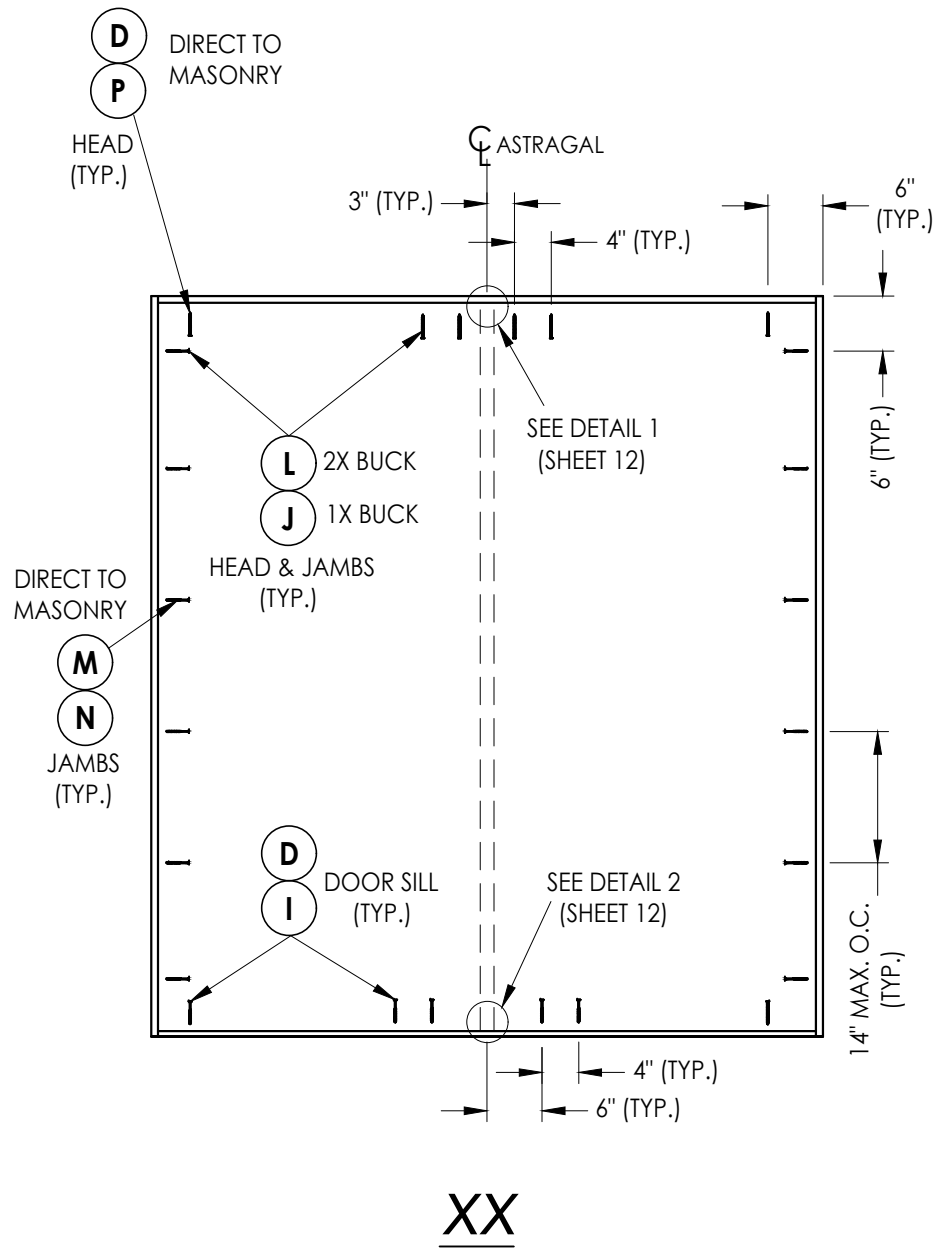
SHEET 9 OF 13

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FRAME ANCHORING

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS
1	8/17/26	UPDATE TO 9TH ED. (2026) FBC
		LFS
		BY

DATE: 5/06/26

SCALE: N.T.S.

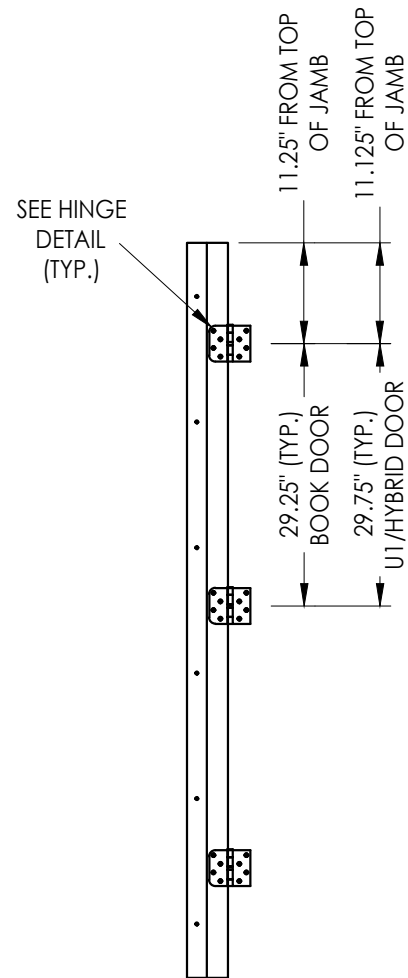
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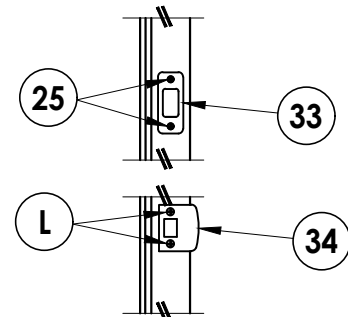
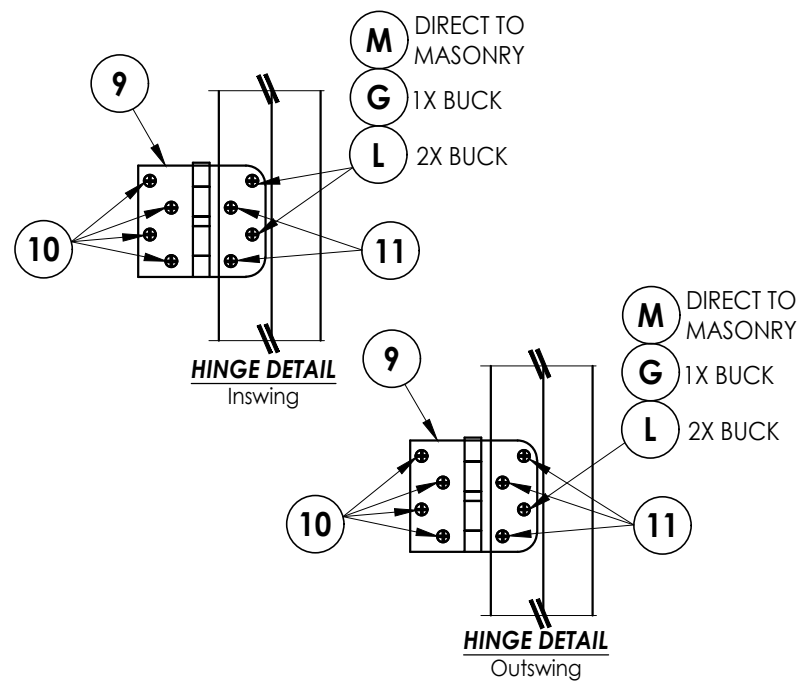
DRAWING NO.:

FL-48194.4

SHEET 11 OF 13

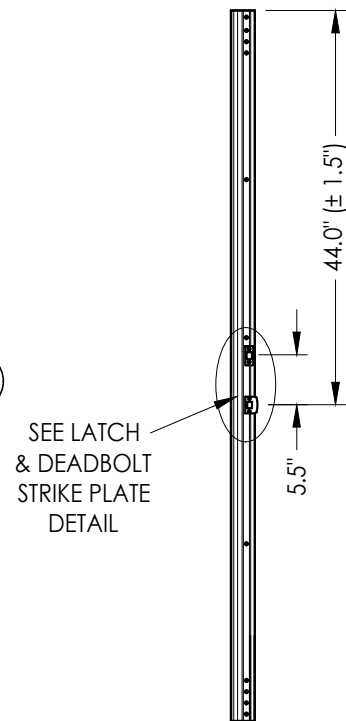


HINGE JAMB

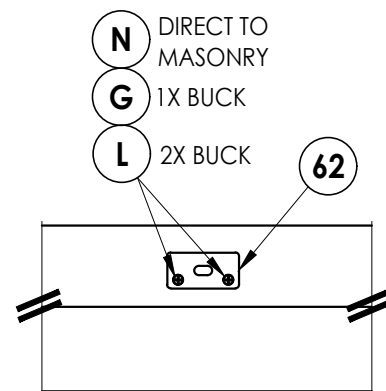


LATCH & DEADBOLT DETAIL

Schlage / Kwikset

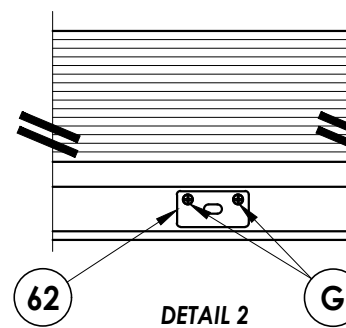
**ASTRAGAL**

Latch & Deadbolt

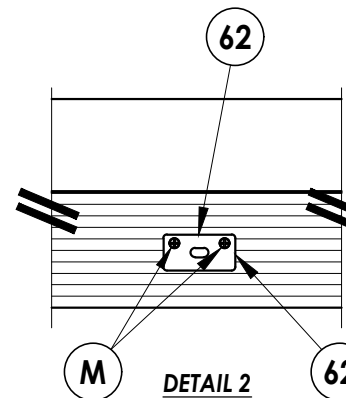


DETAIL 1

Astragal Strike Plate @ Head

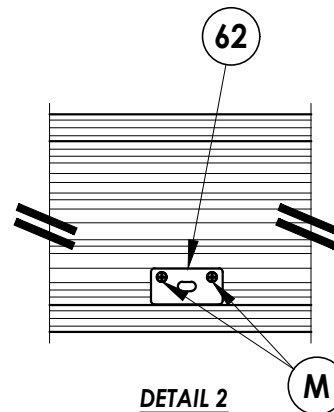
**DETAIL**

Inswing Threshold
Astragal Strike Plate @ Sill



DETAIL 2

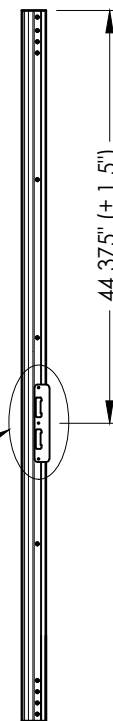
Outswing Threshold
Astragal Strike Plate @ Sill



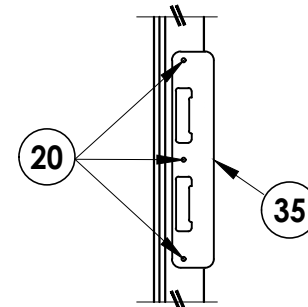
DETAIL 2

Public Access Threshold
Astragal Strike Plate @ Sill

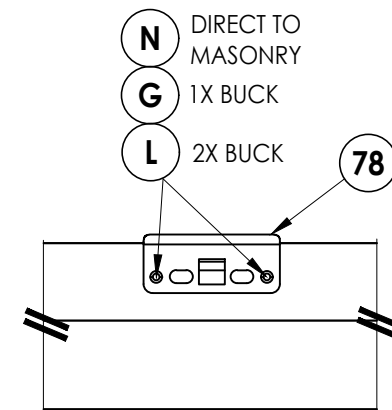
LATCH & DEADBOLT STRIKE DETAILS

**ASTRAGAL**

Multipoint Lock

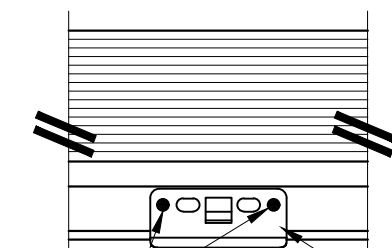


MULTIPOINT LATCH & DEADBOLT STRIKE PLATE DETAIL



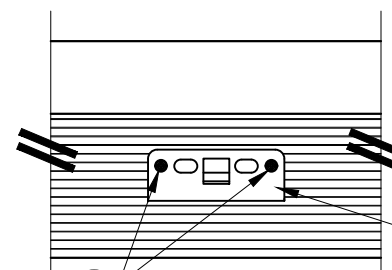
DETAIL 1

Multipoint Lock Strike Plate @ Head



DETAIL 2

Inswing
Multipoint Lock Strike Plate @ Sill



DETAIL 2

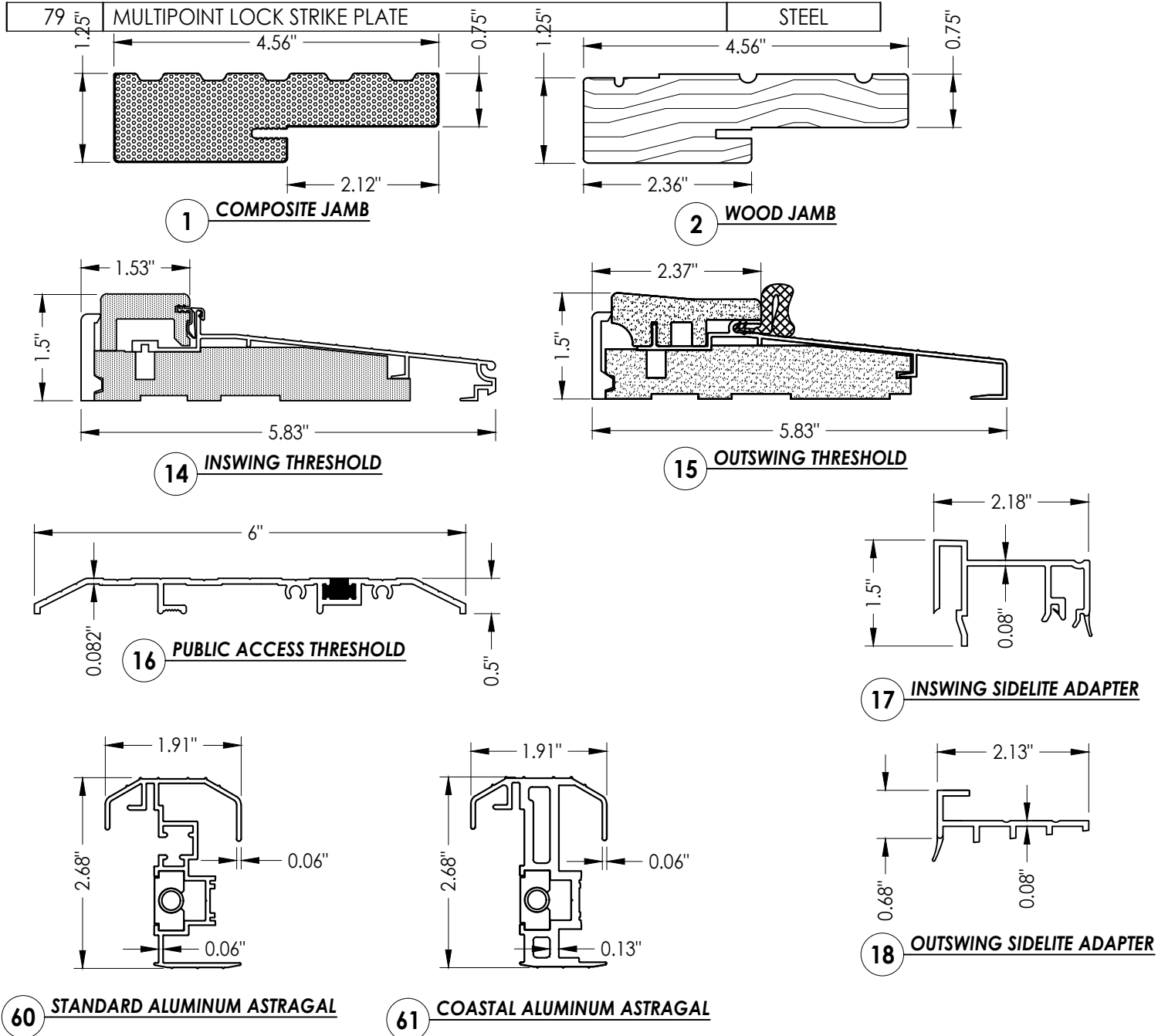
M **OUTSWING**
Outswing
Multipoint Lock Strike Plate @ Sill

MULTIPOINT LOCK STRIKE DETAILS

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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
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
P	1/4" X 2-3/4" PFH ELCO CONCRETE SCREW	STEEL
1	COMPOSITE JAMB	COMP
2	WOOD JAMB (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
16	PUBLIC ACCESS THRESHOLD	ALUM
17	INSWING SIDELITE ADAPTER	VINYL
18	OUTSWING SIDELITE ADAPTER	VINYL
19	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	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	-
59	#10 X 1-1/2" PPH SMS	STEEL
60	STANDARD ALUMINUM ASTRAGAL	ALUM
61	COASTAL ALUMINUM ASTRAGAL	ALUM
62	ASTRAGAL STRIKE PLATE	STEEL
78	MULTIPOINT LOCK STRIKE PLATE	STEEL



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	AS SHOWN

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.

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO.	DATE	REVISIONS
1	8/17/26	UPDATE TO 9TH ED. (2026) FBC
LFS	BY	

DATE: 5/06/26

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-48194.4

SHEET 13 OF 13