



OPAQUE FIBERGLASS ENTRY DOORS
DOUBLE w/ or w/out SIDELITES
INSWING/OUTSWING
"NON-IMPACT"



HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	Knob:	Signature Series
	Deadbolt:	Signature Series (980)
Schlage	Knob:	F51
	Deadbolt:	B60N
Yale	Knob:	YE Series
	Deadbolt:	YE Series



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2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
1	4/21/25	REVISE FOR NEW TESTING		LFS	
NO.	DATE			BY	
					REVISIONS

DATE:	4/02/25
SCALE:	N.T.S.
DWG. BY:	LFS
CHK. BY:	RW
DRAWING NO.:	FL-46831.3
SHEET	3 OF 13

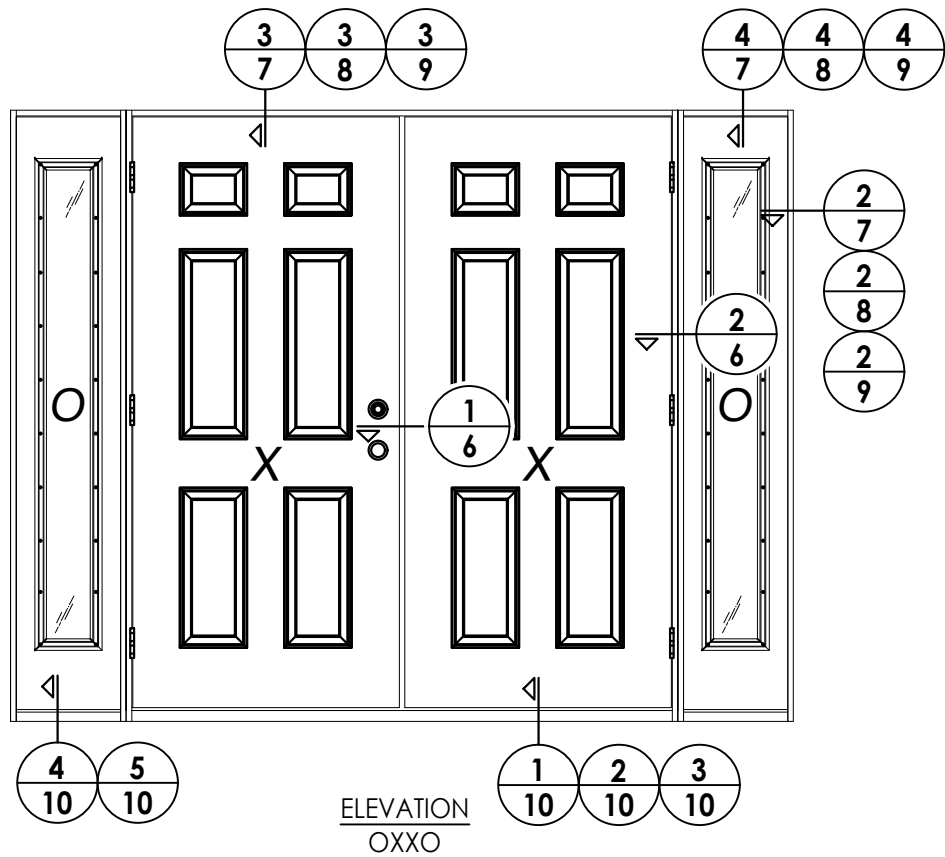
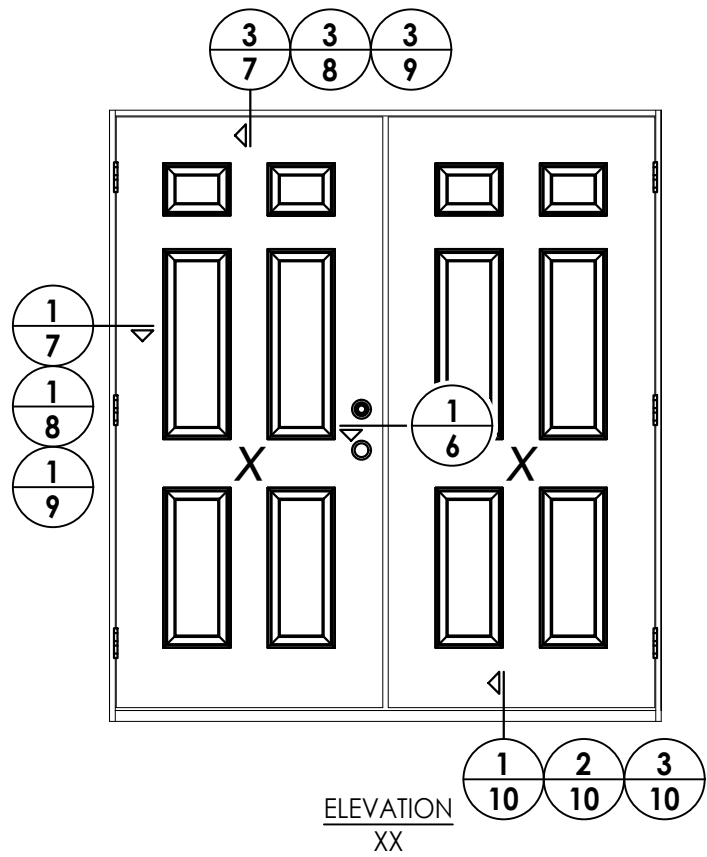
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

[illegible]

Documents Prepared By:
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P.E. No. 43409

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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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DATE: 4/02/25
SCALE: N.T.S.
DWG. BY: LFS
CHK. BY: RW
DRAWING NO.:
FL-46831.3
SHEET 5 OF 13

[illegible]

PRODUCT: TRIMLITE
FIBERGLASS DOOR

PART OR ASSEMBLY: ELEVATIONS

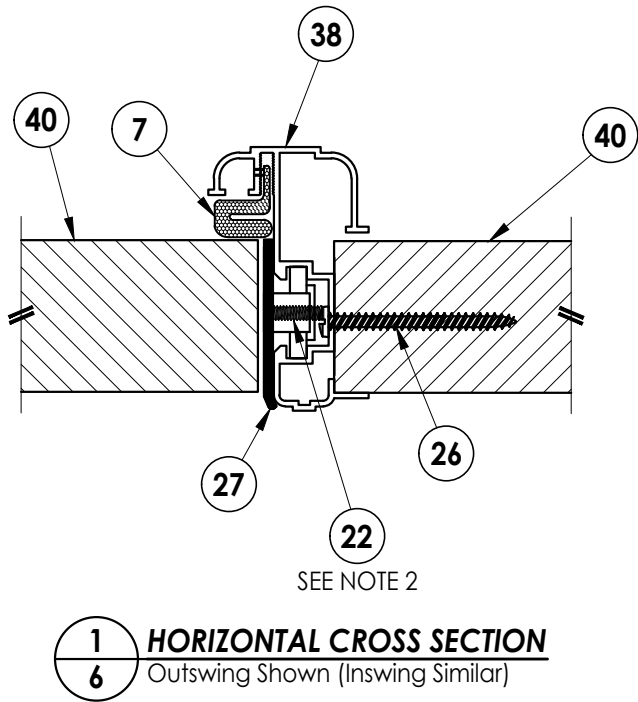
Documents Prepared By:
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P.E. No. 43409

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

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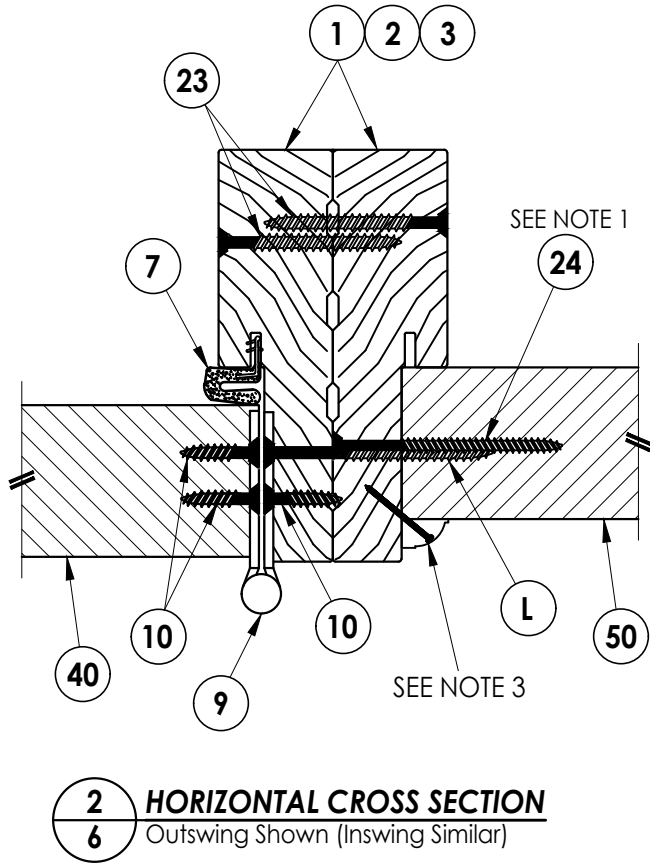
Notes:

- 1. Sidelite assembly screws located 4" from each end and 5 more screws equally spaced between (7 screws total per side jamb).
- 2. Latch & deadbolt strike plate machine screws installed through strike plate into astragal plastic receiver.
- 3. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.



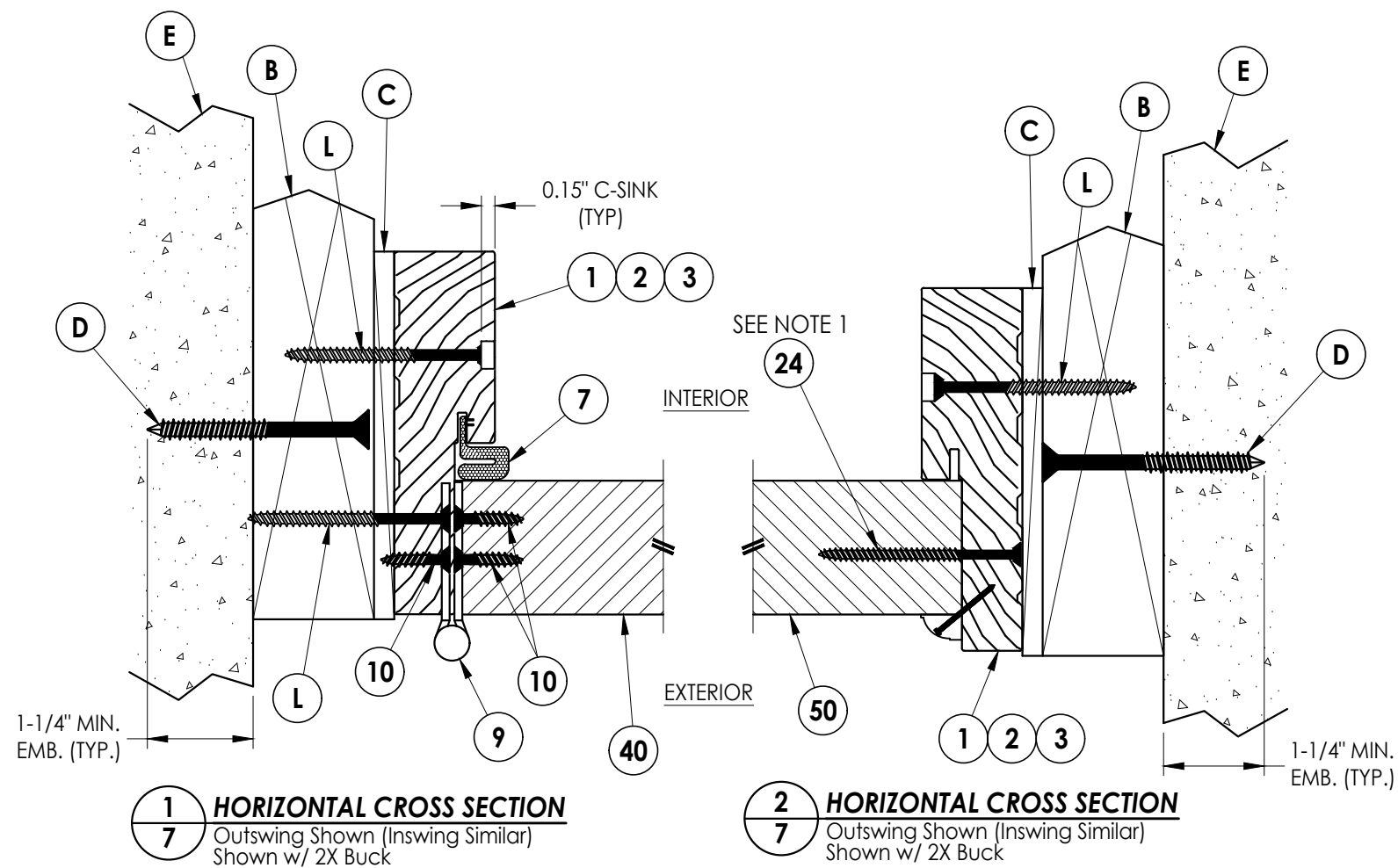
INTERIOR

EXTERIOR

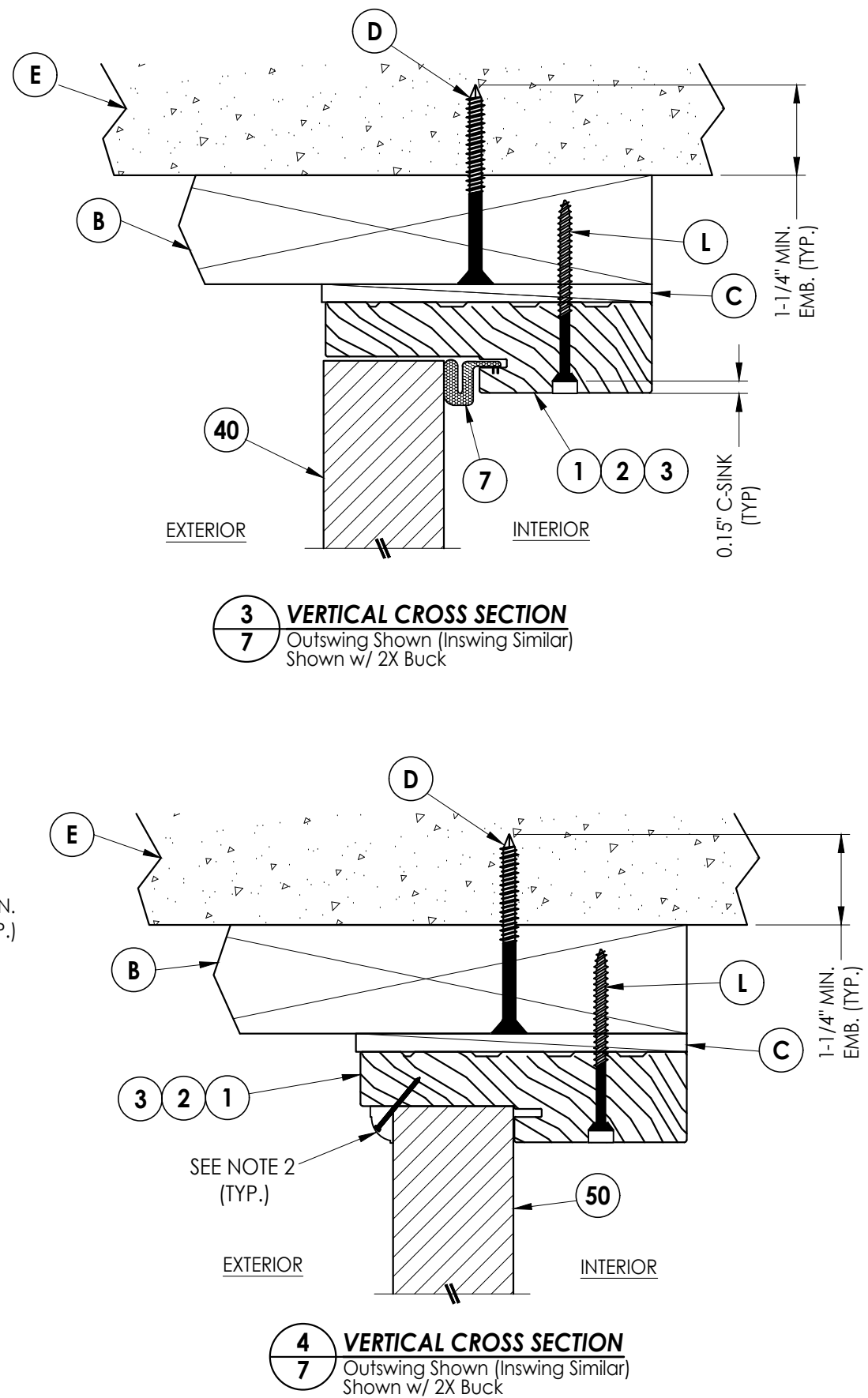


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				R.W. BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: TRIMLITE FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS					
				LFS	FBC	UPDATE TO 9TH ED. (2026)	
				LFS		REVISE FOR NEW TESTING	
				NO.	DATE		
DATE: 4/02/25				REVISIONS			
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-46831.3							
SHEET 6 OF 13							

Notes:

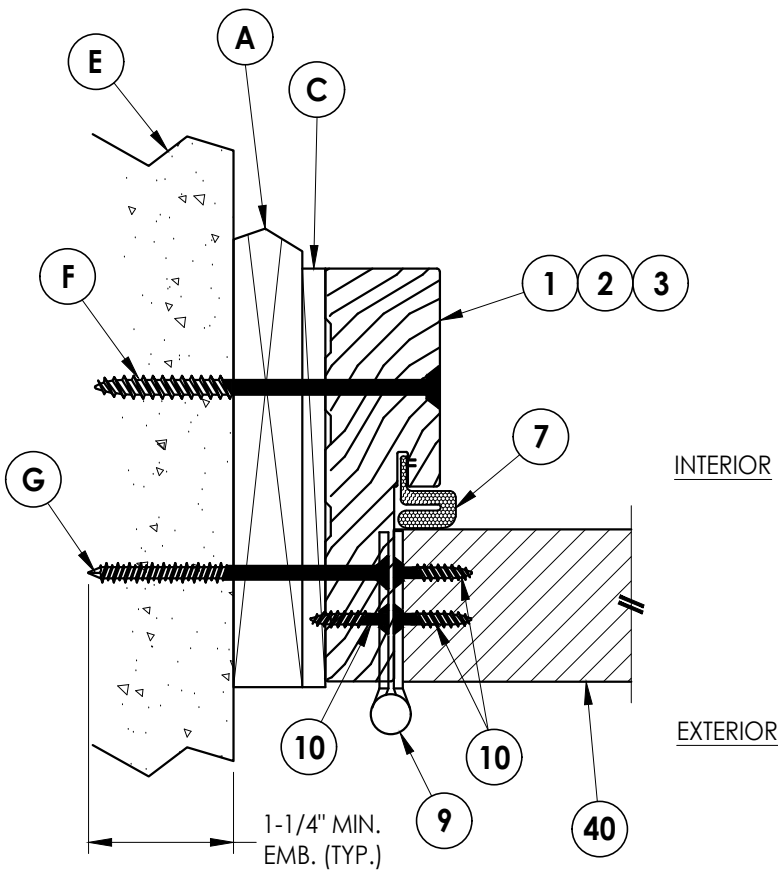


1. Sidelite assembly screws located 4" from each end plus 5 more screws equally spaced between (7 screws total per side jamb).
2. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.

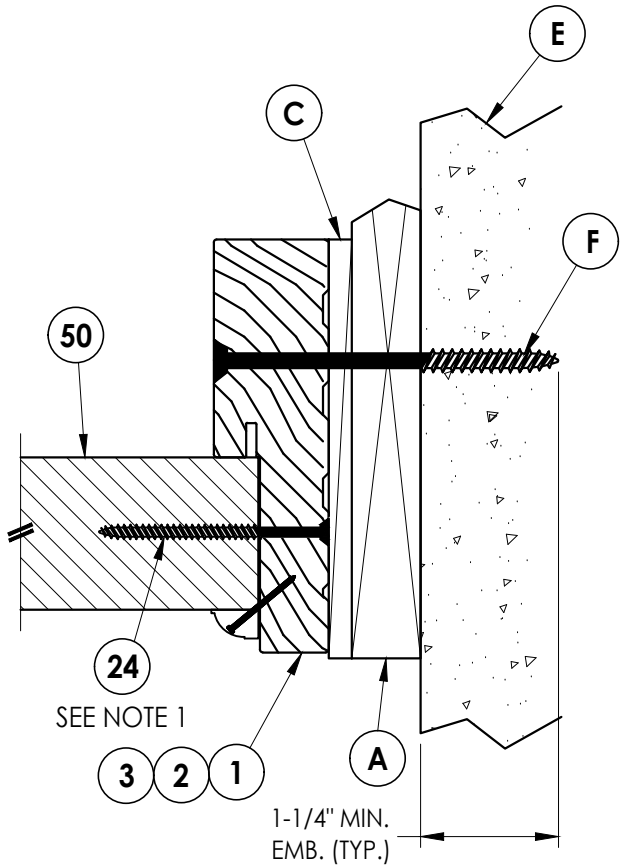


DATE: 4/02/25					
SCALE: N.T.S.					
DWG. BY: LFS					
CHK. BY: RW					
DRAWING NO.: FL-46831.3					
SHEET 7 OF 13					
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
1	4/21/25	REVISE FOR NEW TESTING		LFS	
NO.	DATE			BY	
					REVISIONS
PRODUCT:			TRIMLITE FIBERGLASS DOOR		
PART OR ASSEMBLY:			HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)		
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					

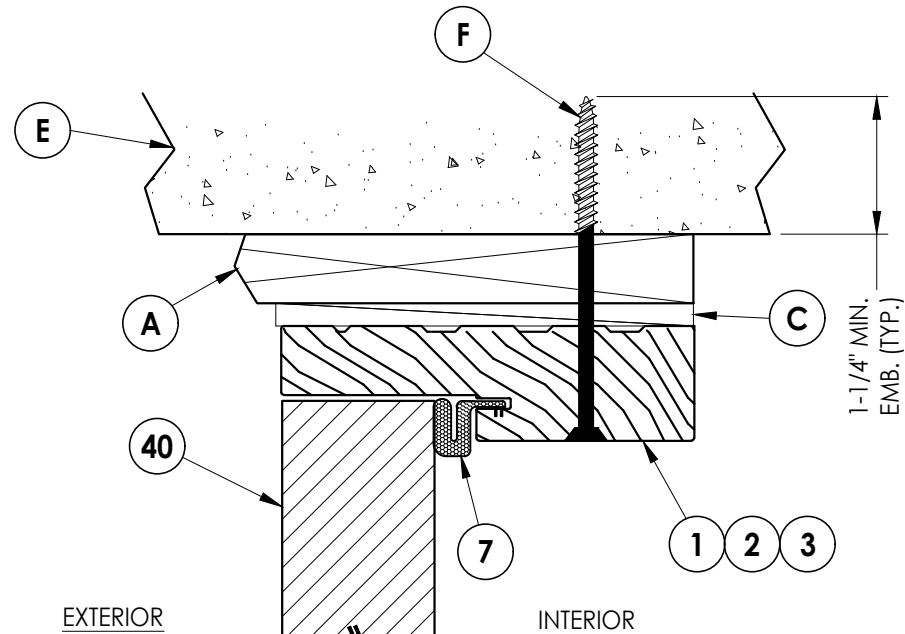
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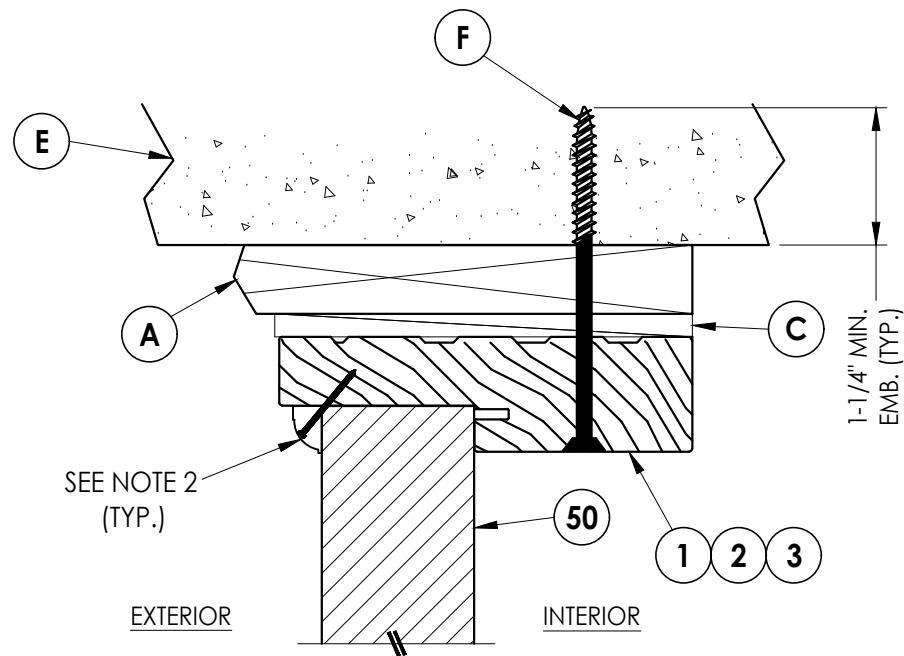
1
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



2
8 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



3
8 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



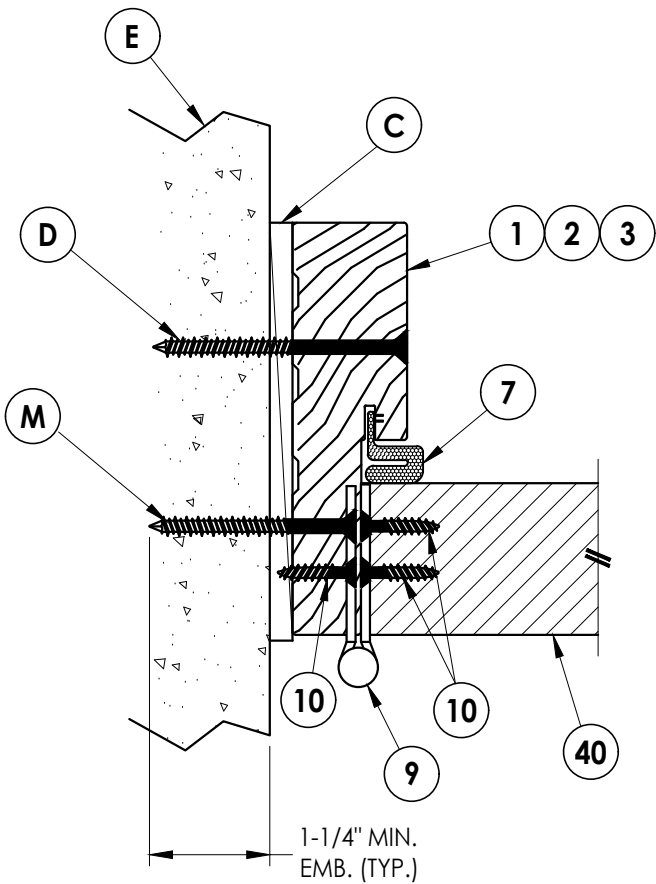
4
8 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 1X Buck

Notes:

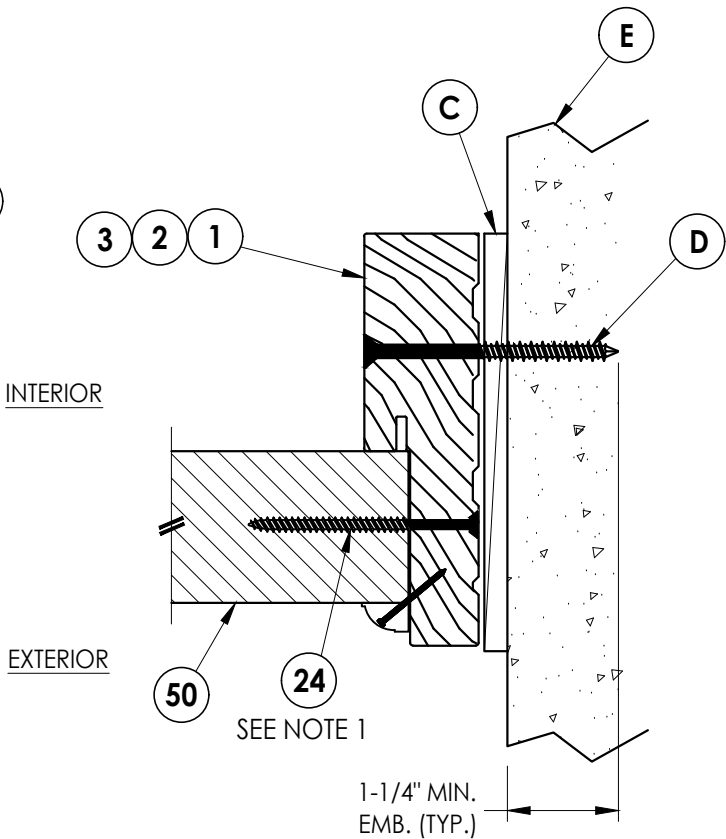
1. Sidelite assembly screws located 4" from each end plus 5 more screws equally spaced between (7 screws total per side jamb).
2. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.

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PRODUCT: TRIMLITE FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)					
				LFS			
				LFS			
				BY			
				REVISIONS			
				NO.	DATE		
				2	7/01/26	UPDATE TO 9TH ED. (2026) FBC	
				1	4/21/25	REVISE FOR NEW TESTING	
DATE: 4/02/25							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-46831.3							
SHEET 8 OF 13							

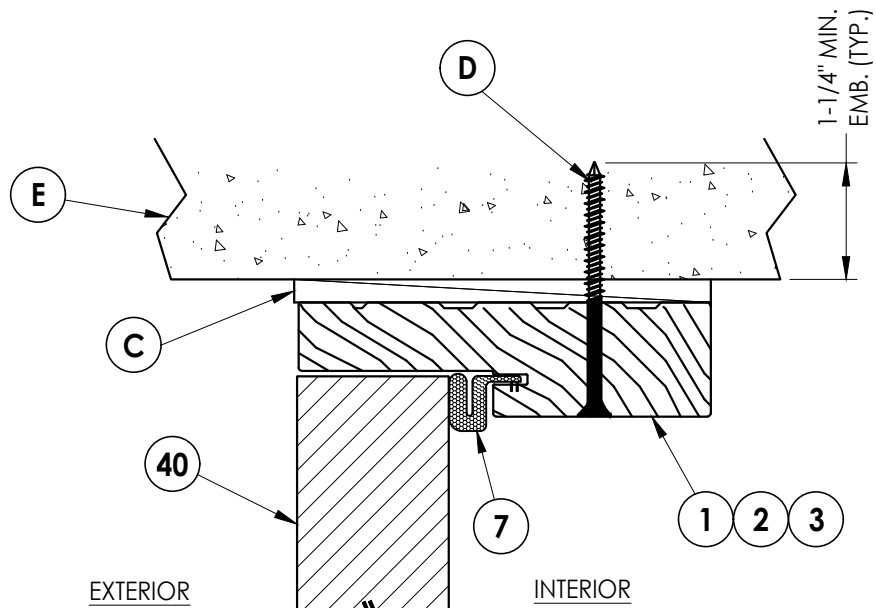
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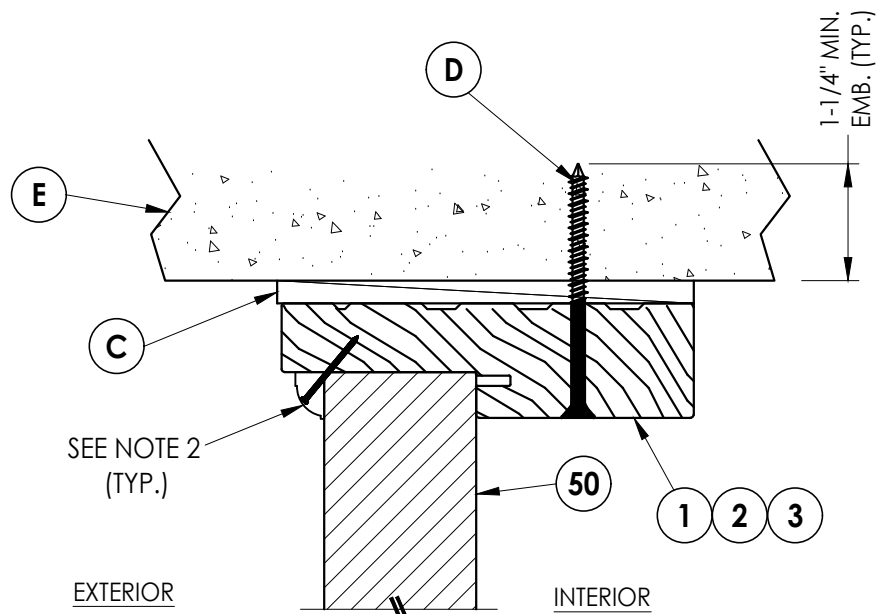
1
9 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



2
9 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



3
9 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



4
9 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry

Notes:

1. Sidelite assembly screws located 4" from each end plus 5 more screws equally spaced between (7 screws total per side jamb).
2. PVC Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 10" o.c. max.

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P.E. No. 43409

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

PRODUCT: TRIMLITE
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL CROSS
SECTIONS (DIRECT TO MASONRY)

NO.	DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC
1	4/21/25	REVISE FOR NEW TESTING
1	4/21/25	REVISE FOR NEW TESTING
1	4/21/25	REVISE FOR NEW TESTING

DATE: 4/02/25

SCALE: N.T.S.

DWG. BY: LFS

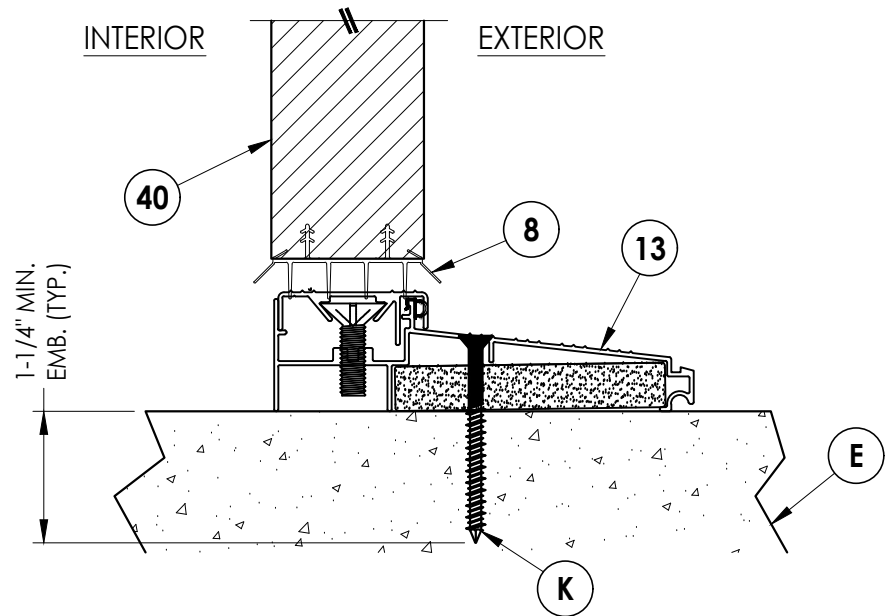
CHK. BY: RW

DRAWING NO.:

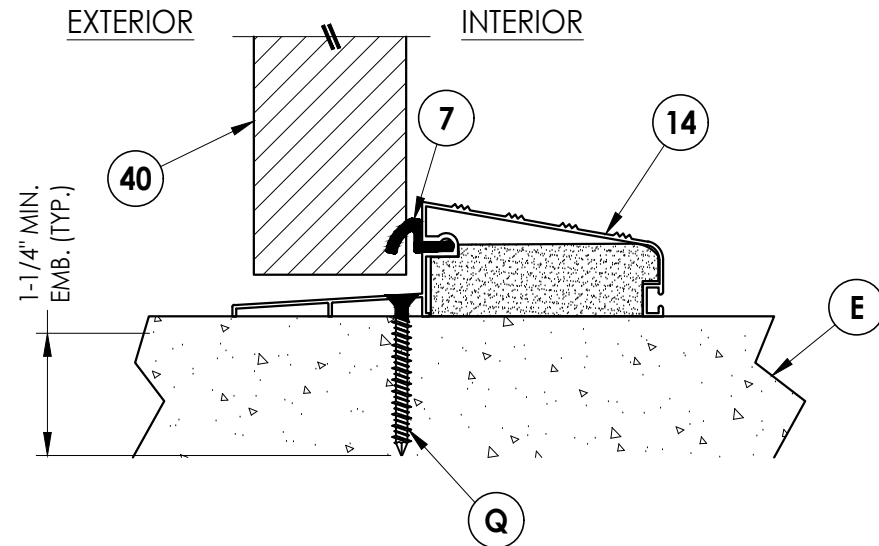
FL-46831.3

SHEET 9 OF 13

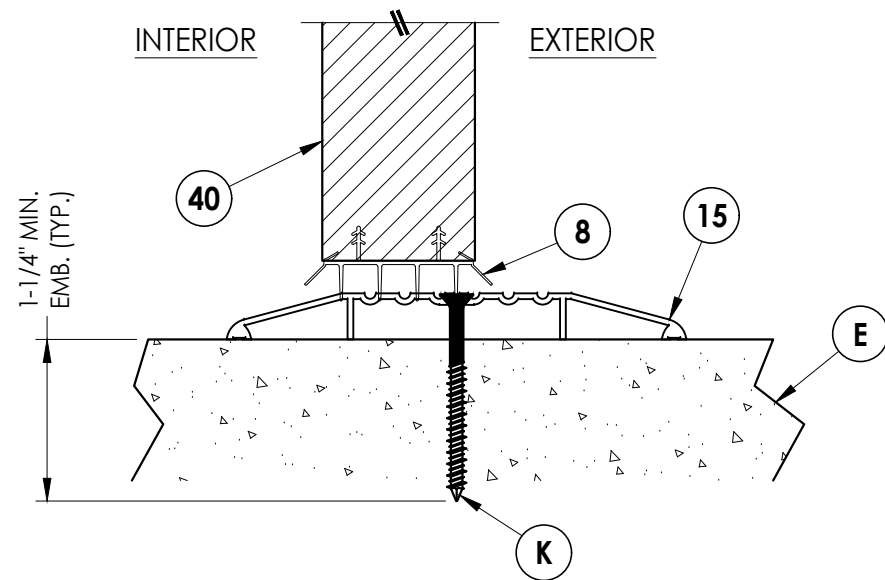
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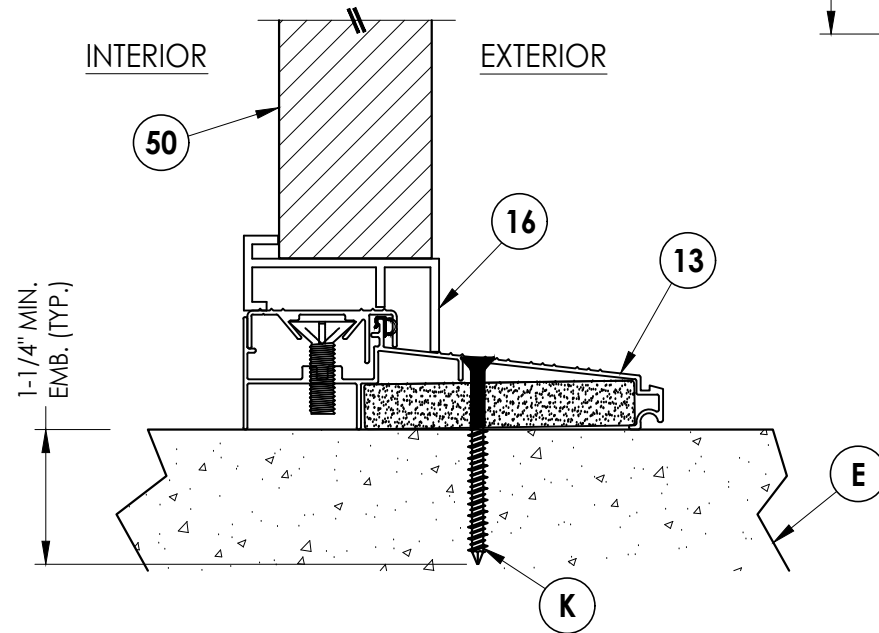
1
10 **VERTICAL CROSS SECTION**
Inswing Threshold



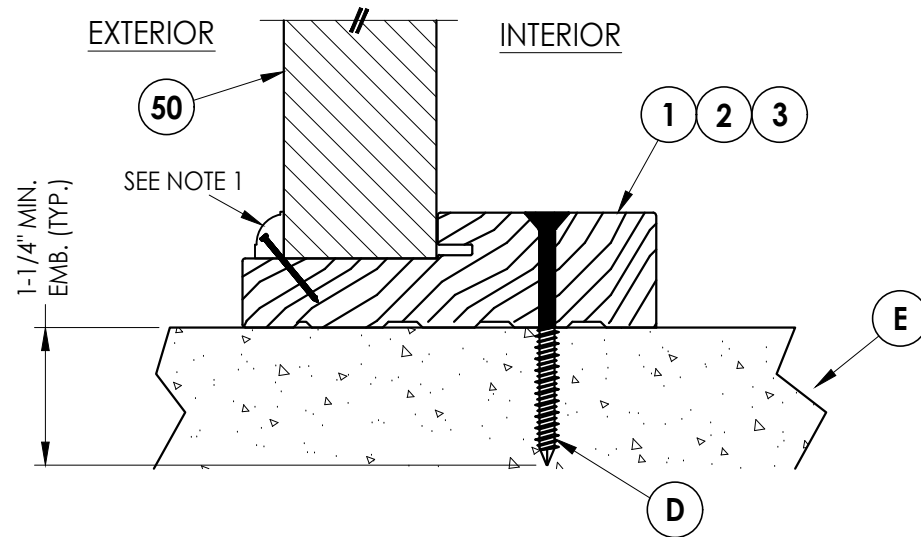
2
10 **VERTICAL CROSS SECTION**
Outswing Threshold



3
10 **VERTICAL CROSS SECTION**
ADA Threshold



4
10 **VERTICAL CROSS SECTION**
Inswing Threshold



5
10 **VERTICAL CROSS SECTION**
Outswing Threshold

Note:
1. PVC Moulding secured w/ 16 GA. X 1" brad nails
located 1" from ends & 10" o.c. max.

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FBPE Registry No. 9813

PRODUCT: TRIMLITE
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS
2	7/01/26	UPDATE TO 9TH ED. (2026) FBC
1	4/21/25	REVISE FOR NEW TESTING
NO.	DATE	BY

DATE: 4/02/25

SCALE: N.T.S.

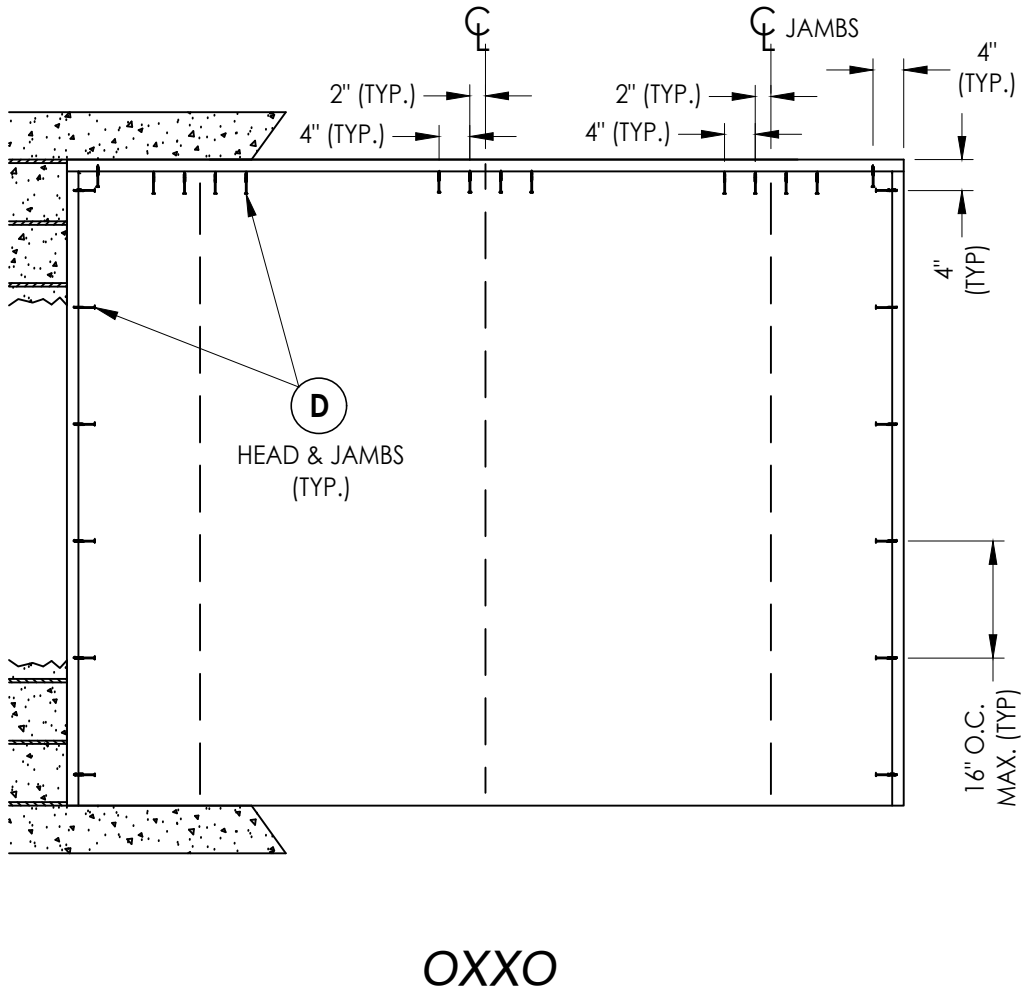
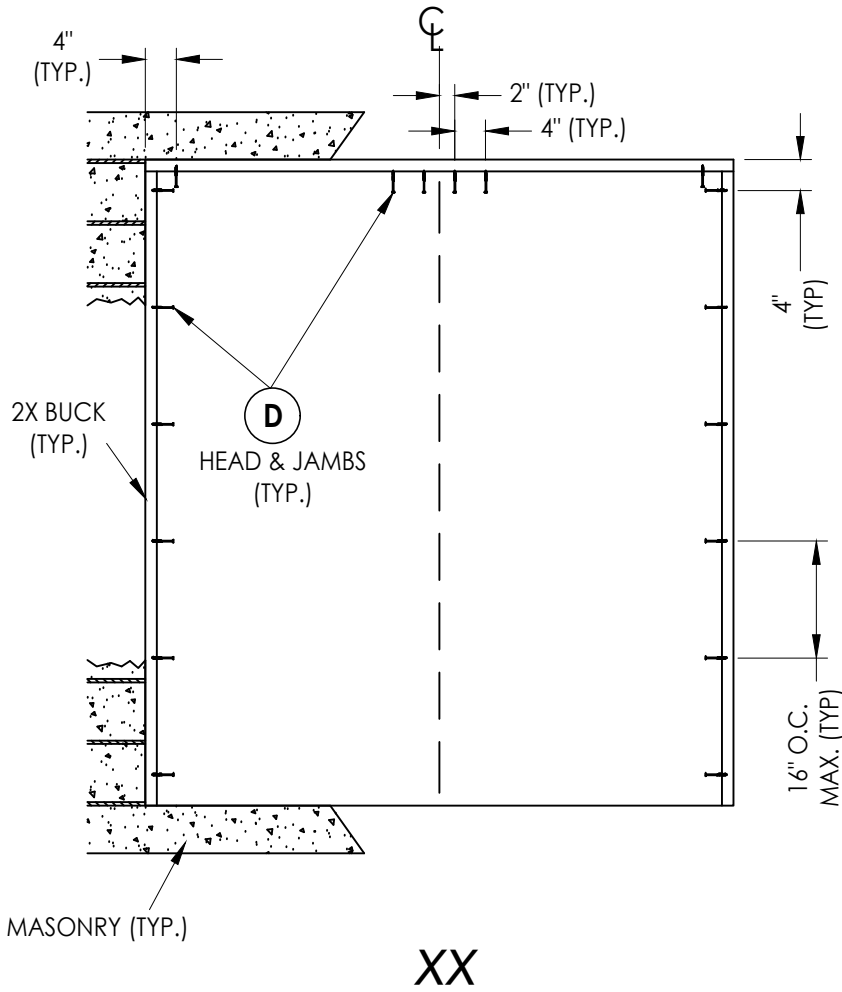
DWG. BY: LFS

CHK. BY: RW

DRAWING NO.: FL-46831.3

SHEET 10 OF 13

G:\2023 FBC Drawings 1.26.26\Trimlite\FL-46831 R2\FL-46831.3.dwg

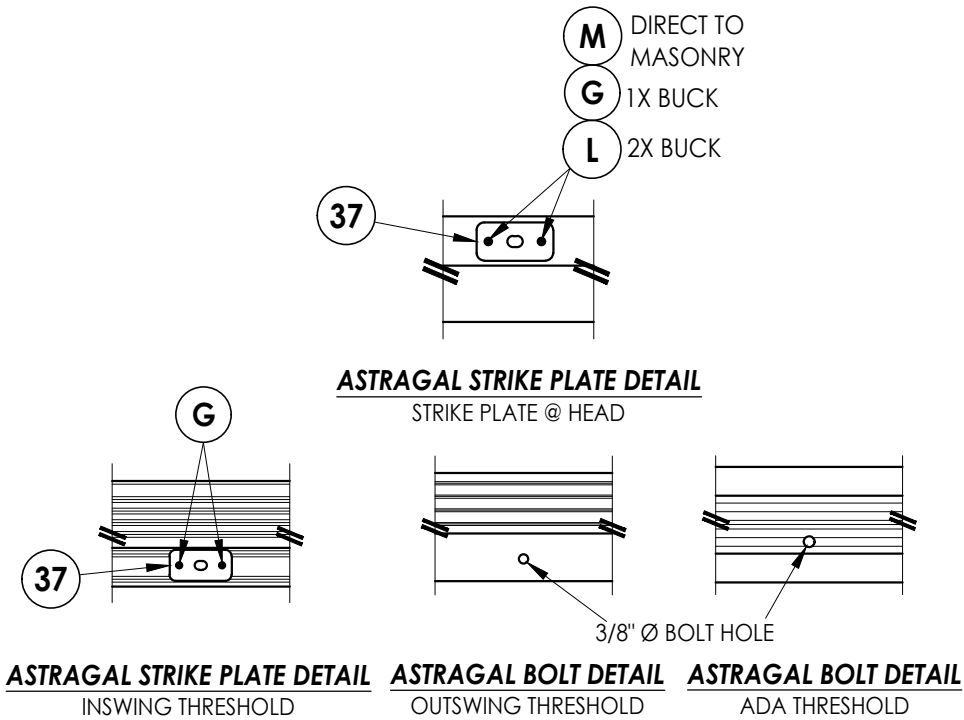
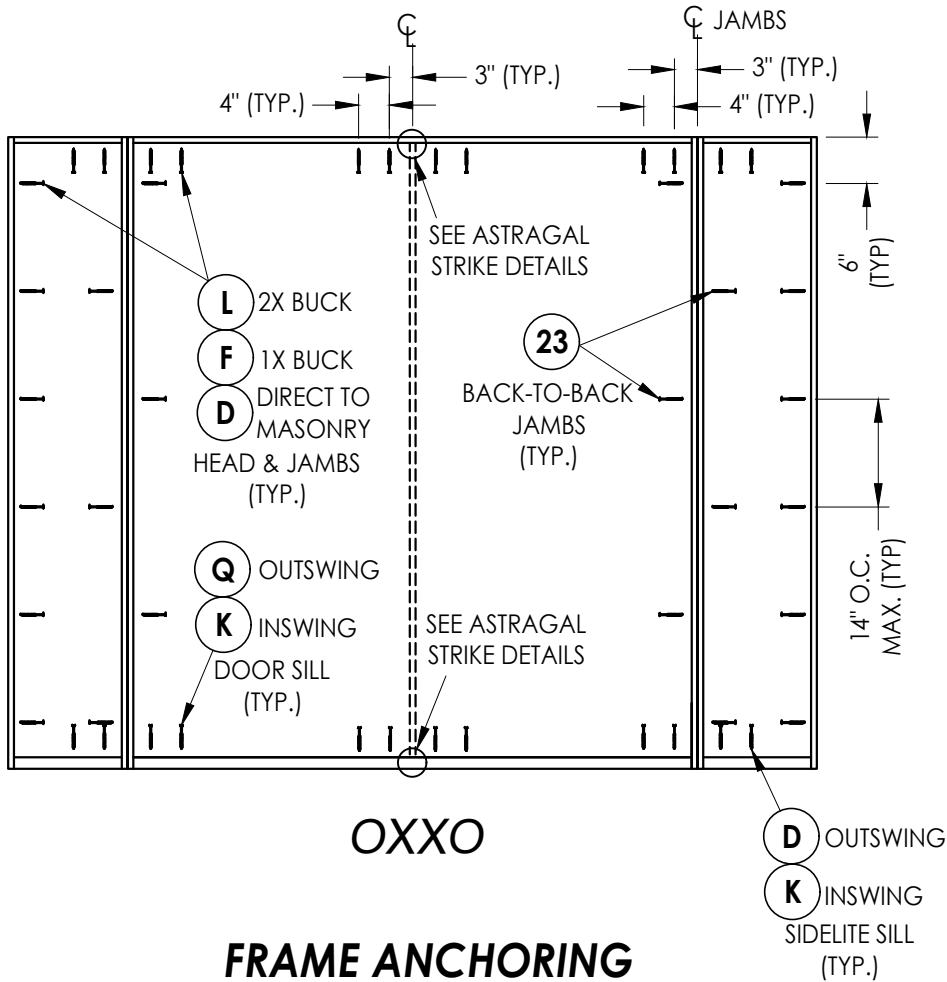
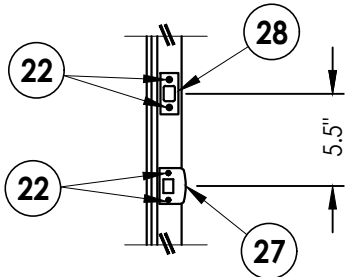
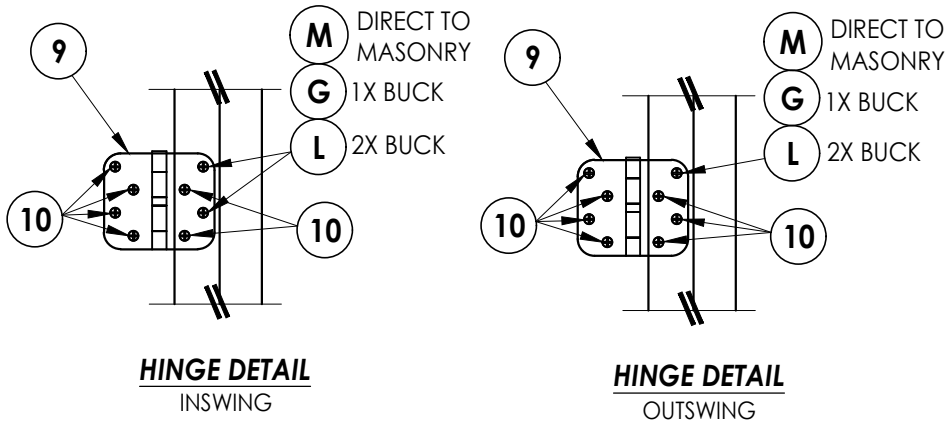
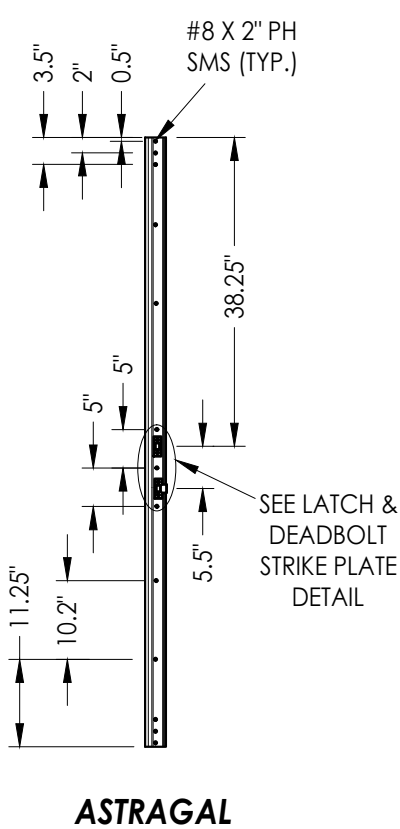
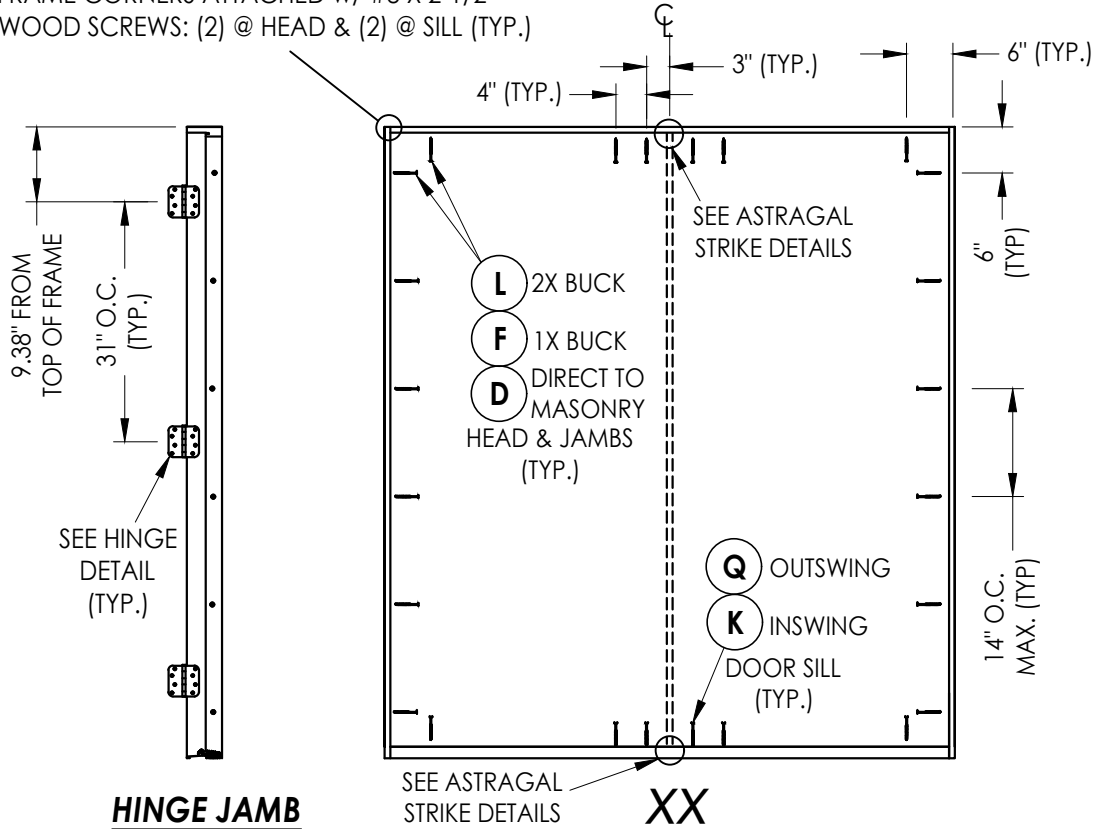


2X BUCK ANCHORING

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: TRIMLITE FIBERGLASS DOOR				PART OR ASSEMBLY: BUCK ANCHORING			
				2	7/01/26	UPDATE TO 9TH ED. (2026)	LFS
				1	4/21/25	REVISE FOR NEW TESTING	LFS
				NO.	DATE		BY
				REVISIONS			
DATE: 4/02/25							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-46831.3							
SHEET 11 OF 13							

G:\2023 FBC Drawings 1.26.26\Trimlite\FL-46831 R2\FL-46831.3.dwg

FRAME CORNERS ATTACHED w/ #8 X 2-1/2"
WOOD SCREWS: (2) @ HEAD & (2) @ SILL (TYP.)



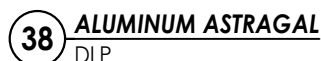
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				RWBUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: TRIMLITE FIBERGLASS DOOR		PART OR ASSEMBLY: FRAME ANCHORING & HARDWARE DETAILS					
				LFS	UPDATE TO 9TH ED. (2026) FBC		
				LFS	REVISE FOR NEW TESTING		
				BY			
				REVISIONS			
				NO.	DATE		
DATE: 4/02/25							
SCALE: N.T.S.							
DWG. BY: LFS							
CHK. BY: RW							
DRAWING NO.: FL-46831.3							
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
F	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
K	1/4" X 2-1/4" PFH 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" PFH ITW CONCRETE SCREW	STEEL
Q	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	WOOD JAMB (FINGER JOINTED PINE)	WOOD
2	COMPOSITE JAMB	COMP
3	POLY FIBER JAMB	COMP
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
9	4" X 4" HINGE	STEEL
10	#9 X 3/4" PFH WOOD SCREW	STEEL
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING THRESHOLD	ALUM/COMP
15	ADA THRESHOLD	ALUM
16	INSWING SIDELITE ADAPTER	PVC
22	#8 X 5/8" FH MACHINE SCREW	STEEL
23	#8 X 2" FH SMS	STEEL
24	#8 X 2-1/2" PFH DEEP THREAD WOOD SCREW	STEEL
26	#8 X 2" PH SMS	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
37	ASTRAGAL STRIKE PLATE (1.19" X 3.25" X 0.075" THICK)	STEEL
38	ALUMINUM ASTRAGAL	ALUM
40	DOOR PANEL	-
50	SIDELITE PANEL	-

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 BUILDDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRA-CON®	1/4"	1-1/4"	1"	4"

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.



BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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IR ASSEMBLY: BILL OF MATERIALS & COMPONENTS

LFS		7/01/26	UPDATE TO 9TH ED. (2026) FBC
LFS	1	4/21/25	REVISE FOR NEW TESTING
BY	NO.	DATE	REVISIONS

FL-46831.3