



Fiber-Classic® & Smooth-Star®

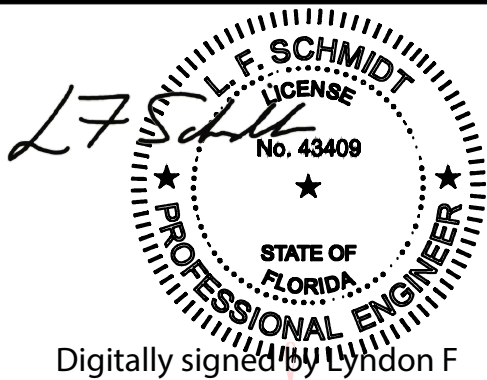
WOOD OR COMPOSITE EDGE
MULTI-LITE GLAZED FIBERGLASS DOUBLE DOOR
w/ or w/out SIDELITES
INSWING/OUTSWING
"IMPACT"

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 includes 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.

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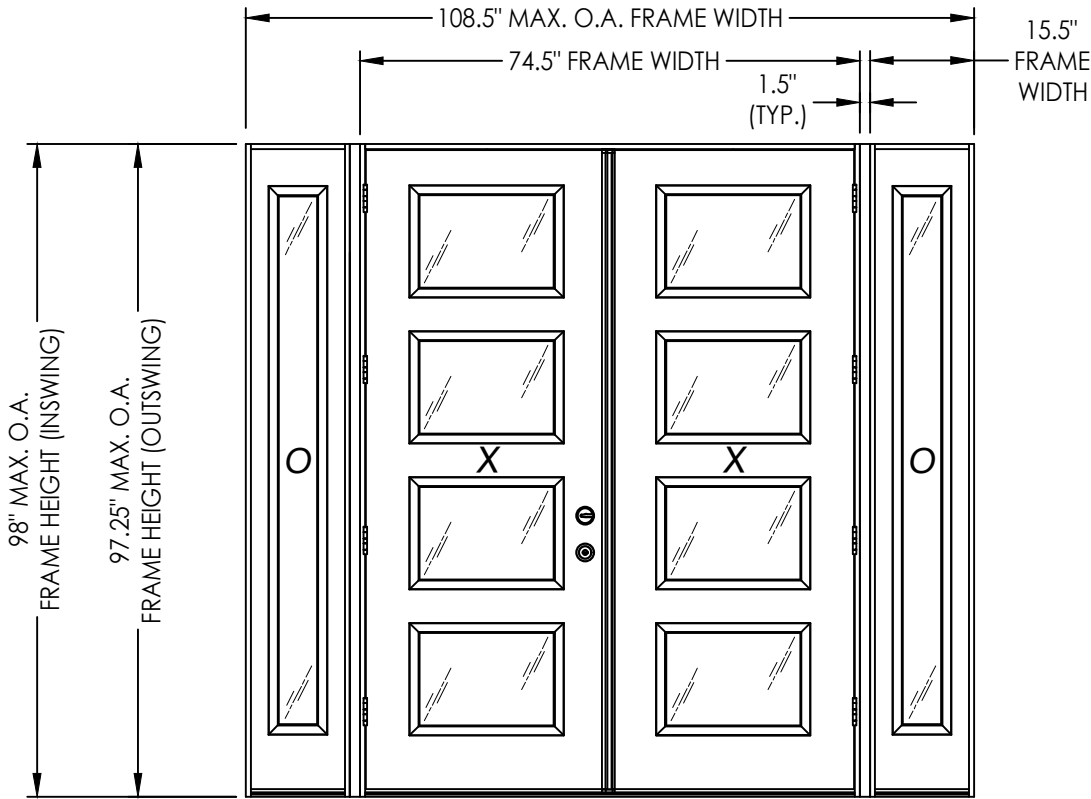
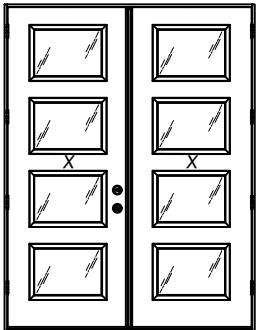
SHEET #	DESCRIPTION	SHEET#	
1	Typical Elevations, Design Pressures & General Notes	8	Vertical Cross Sections (Thresholds)
2	Door Panel Details	9	Buck Anchoring
3	Sidelite Panel Details	10	Frame Anchoring
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6	Horizontal & Vertical Cross Sections (1X Buck)	13	Bill of Materials & Components
7	Horizontal & Vertical Cross Sections (Direct to Masonry)		



Digitally signed by Lyndon F Schmidt
Date: 2026.08.10 09:41:50 -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



CONFIGURATION	LOCK HARDWARE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX, OXXO	Latch & Deadbolt	+50.0	-55.0	+55.0	-55.0
XX, OXXO	Multi-point	+55.0	-55.0	+55.0	-55.0

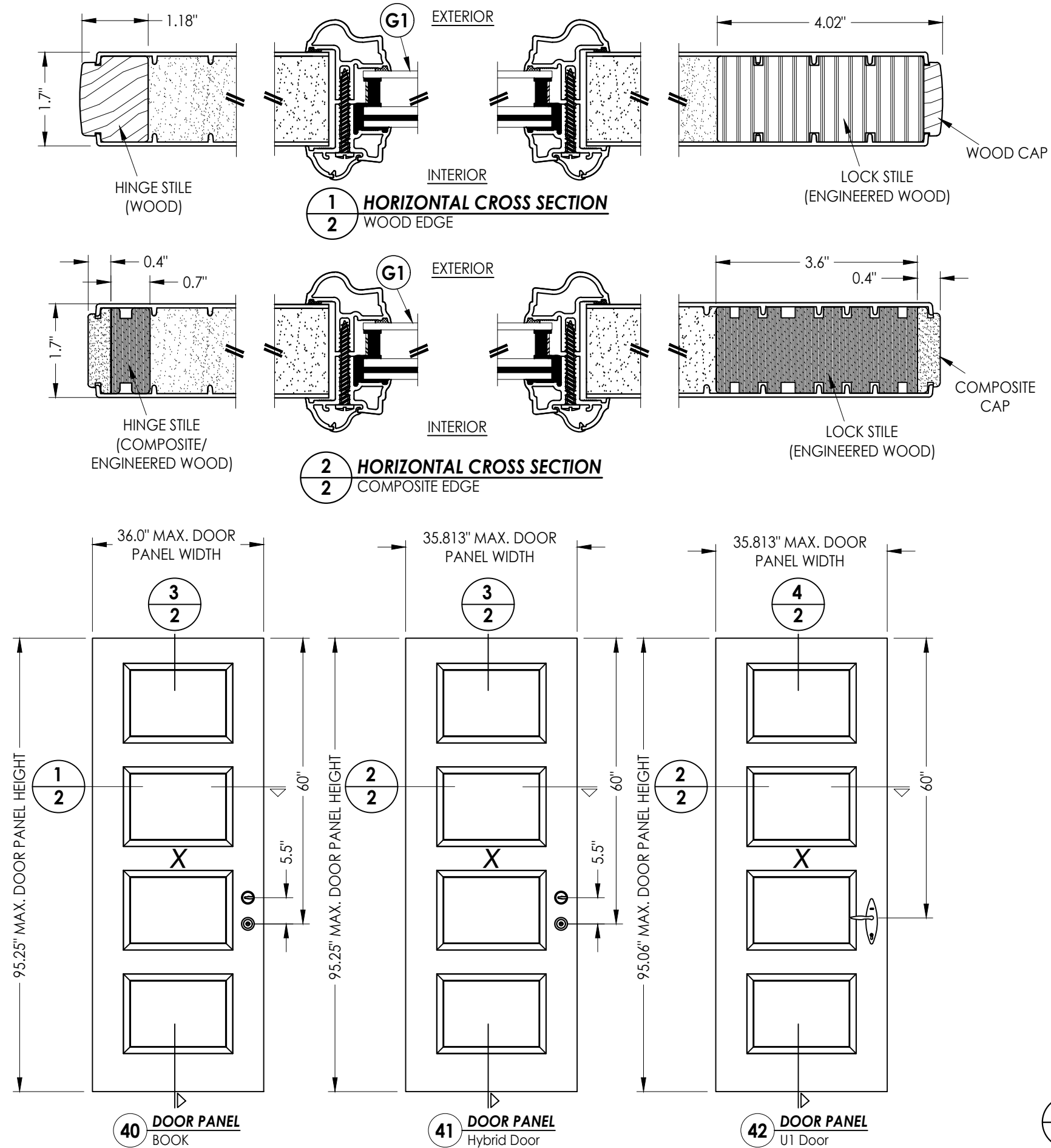
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

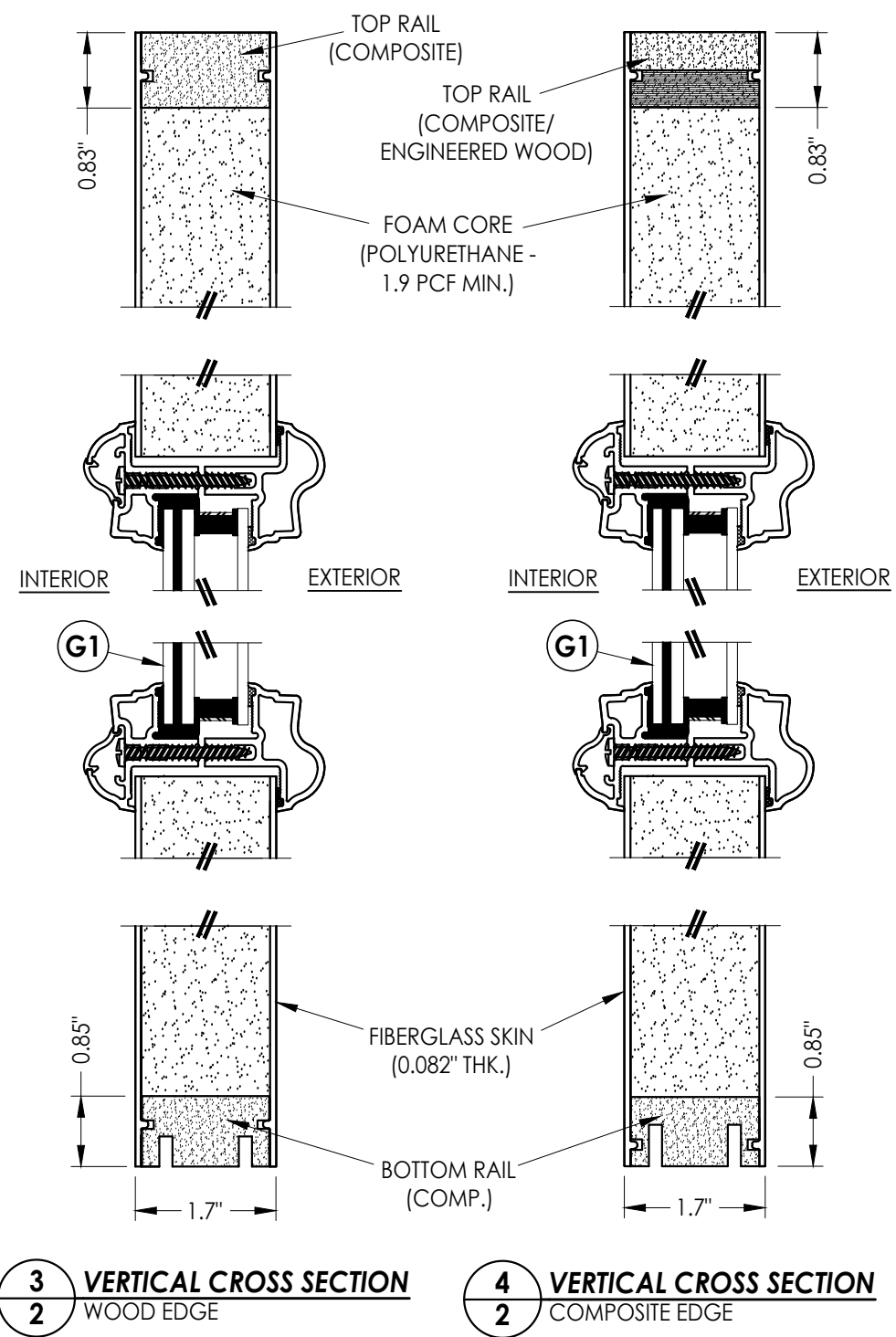
PRODUCT: THERMA-TRU
FIBERGLASS DOOR
PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS		
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS

DATE: 4/06/20
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-30482.12
SHEET 1 OF 13



NOTE: BOOK, HYBRID & U1 DOORS
MAY EACH BE FABRICATED AS WOOD
OR COMPOSITE EDGE DOORS.



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PRODUCT: THERMA-TRU
FIBERGLASS DOOR

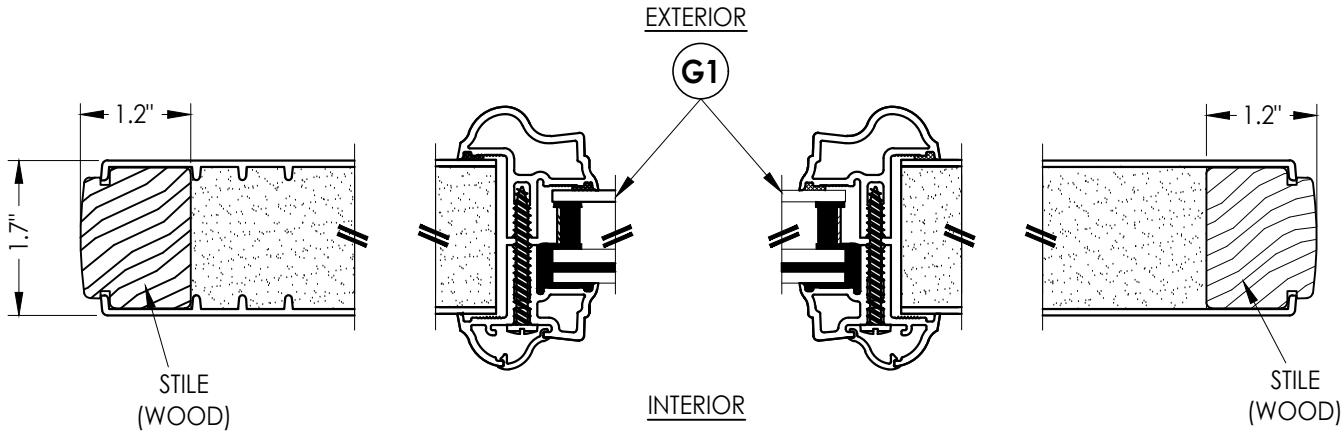
R ASSEMBLY:

Ray BUILDING CONSULTANTS, INC.

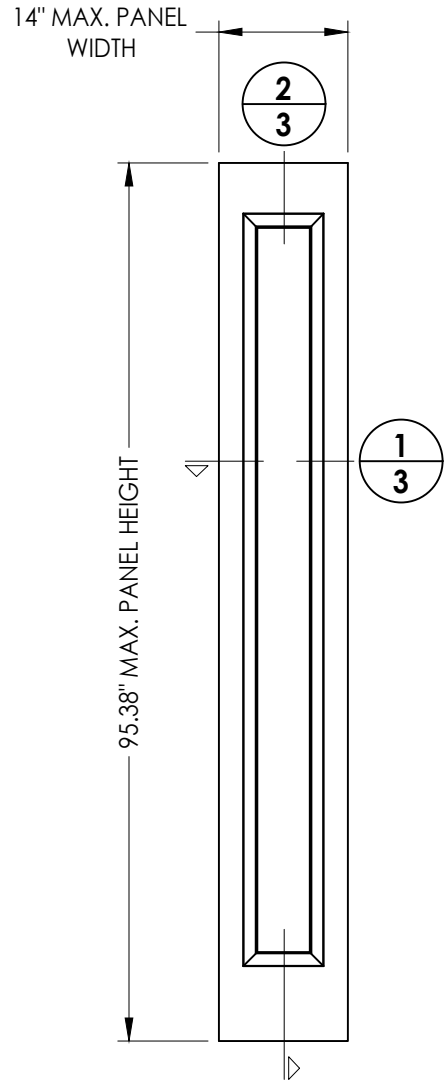
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3	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS				
2	7/27/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS				
1	7/23/20	UPDATE TO 7TH ED.	(2020)	FBC	LFS				
NO.	DATE				BY				
						REVISIONS			
DATE: 4/06/20									
SCALE: N.T.S.									
DWG. BY: RW									
CHK. BY: LFS									
DRAWING NO.: FL-30482.12									
SHEET 2 OF 13									

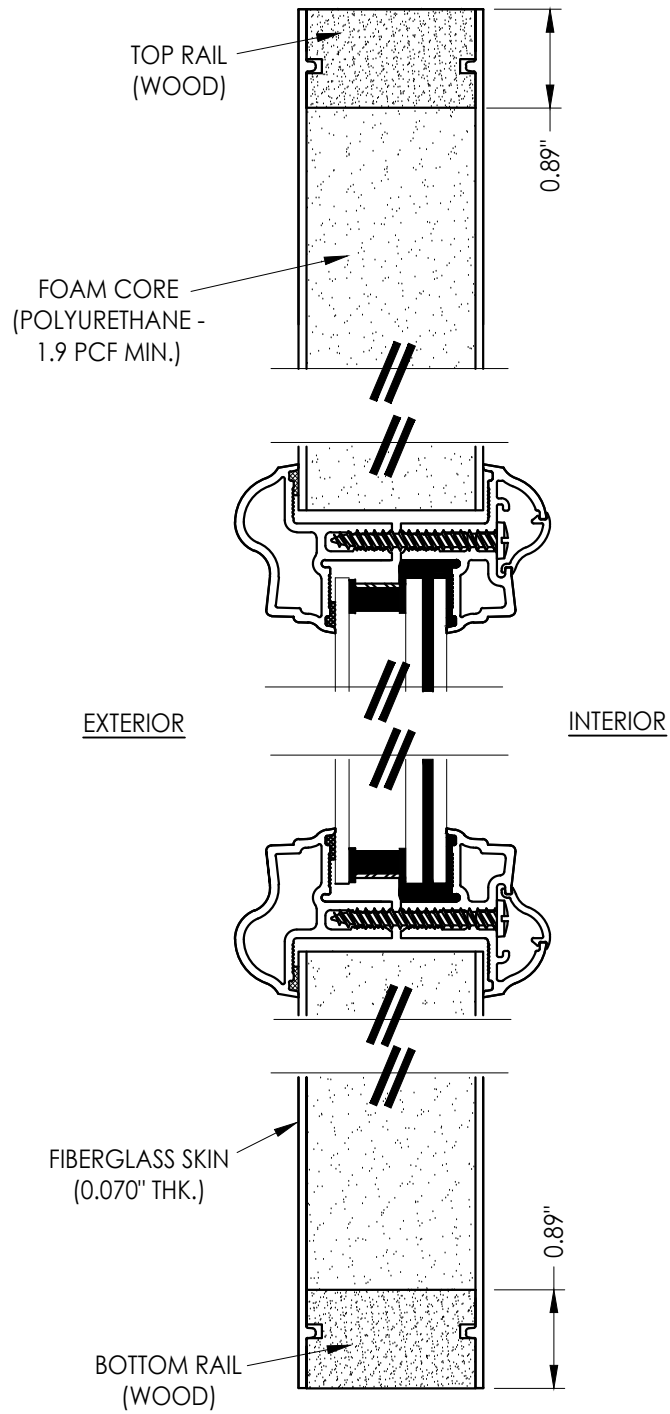
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1
3 HORIZONTAL CROSS SECTION



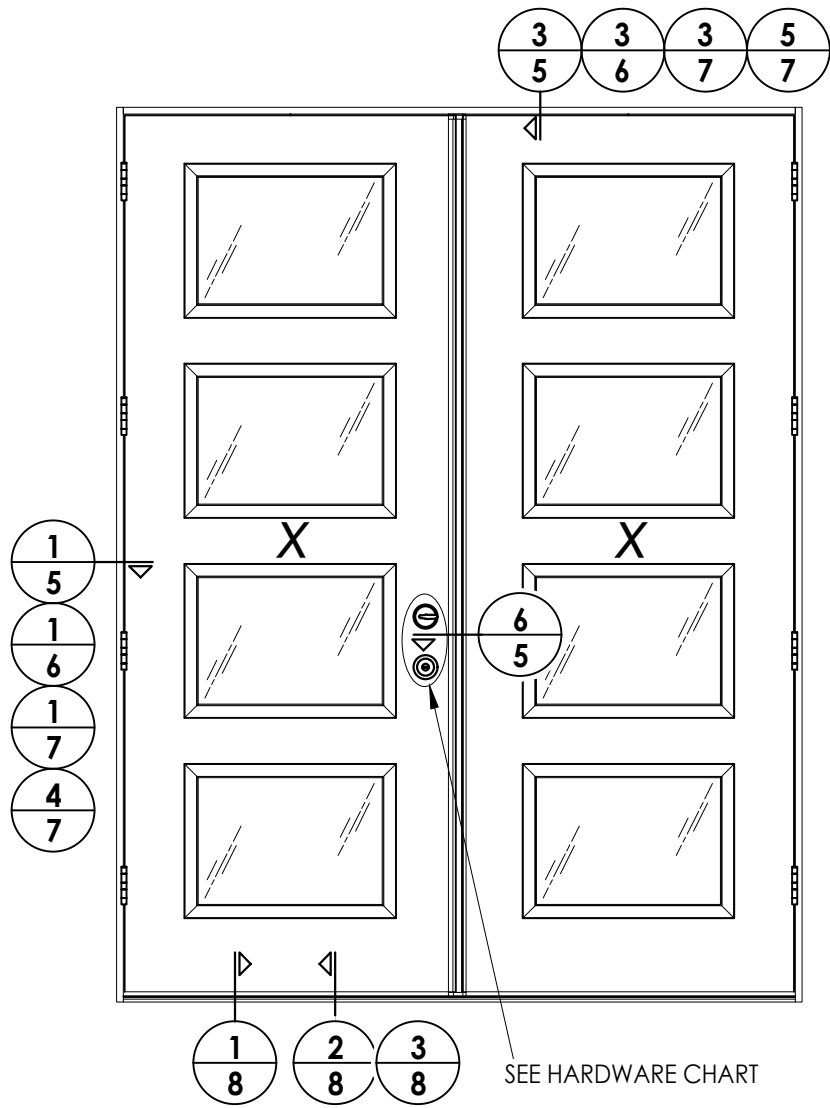
50 SIDELITE PANEL



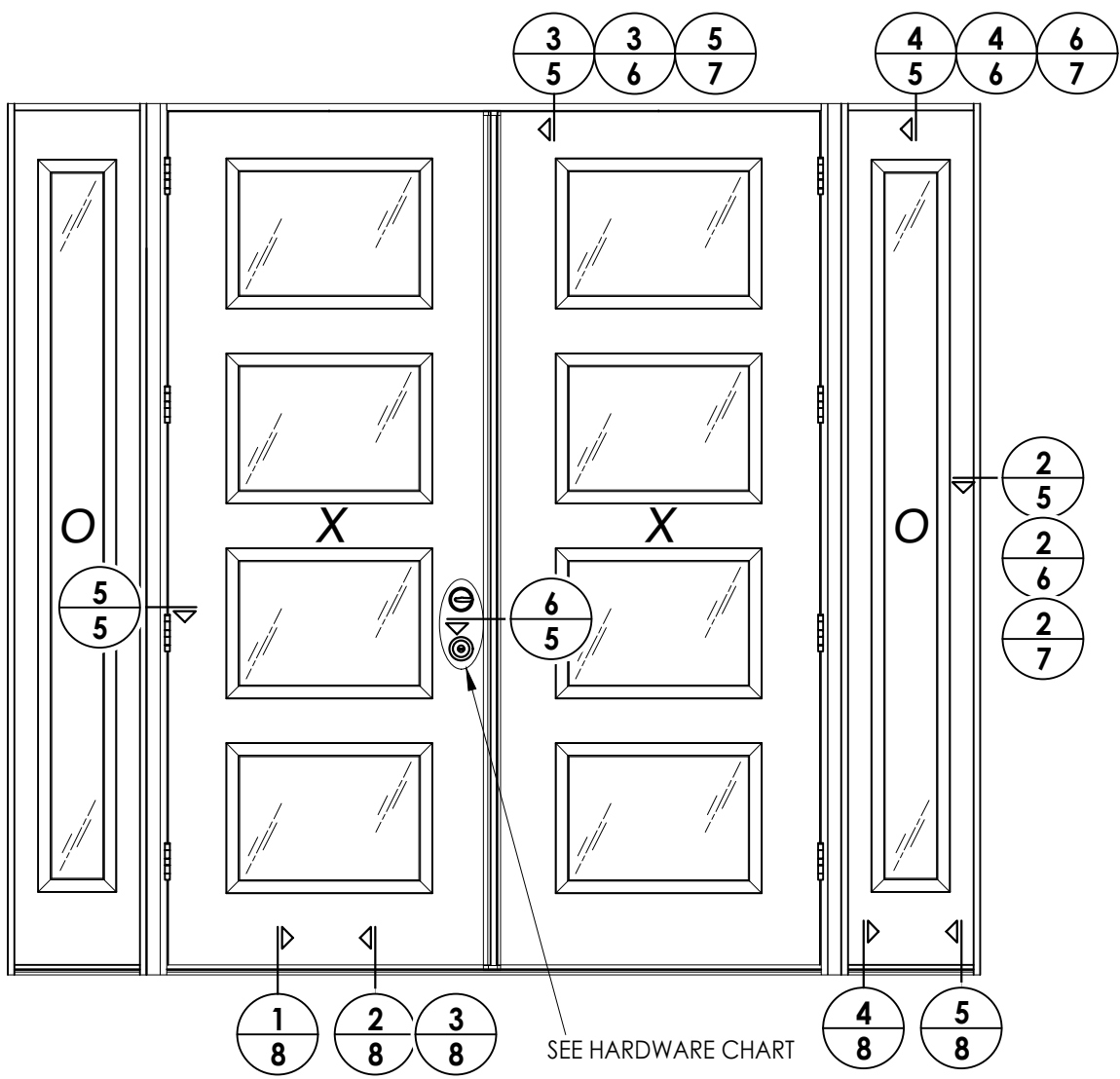
2
3 VERTICAL CROSS SECTION

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PRODUCT: THERMA-TRU FIBERGLASS DOOR				PART OR ASSEMBLY: SIDELITE PANEL DETAILS			
				LFS	FBC	(2026)	UPDATE TO 9TH ED.
				LFS	FBC	(2023)	UPDATE TO 8TH ED.
				LFS	FBC	(2020)	UPDATE TO 7TH ED.
				BY		DATE	NO.
				REVISIONS			
DATE: 4/06/20							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-30482.12							
SHEET 3 OF 13							

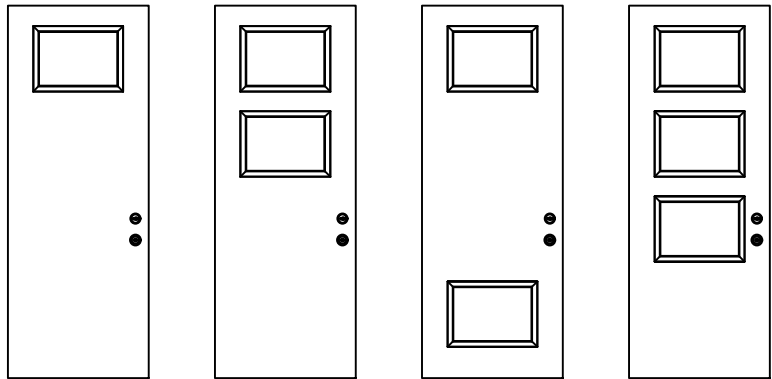
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ELEVATION
XX



ELEVATION
OXXO



Fiber-Classic/Smooth-Star Door Panel Options

Panel options shown are for illustration and are representative only
(similar glazed panel configurations are allowed)

HARDWARE TABLE	
MANUFACTURER	MODEL
SCHLAGE	KNOB: F51 DEADBOLT: B60
KWIKSET	KNOB: SIGNATURE SERIES DEADBOLT: SIGNATURE SERIES (980)
HOPPE (THERMA-TRU)	MULTI-POINT : MPDGSB (3 pt. Manual Shootbolt)

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

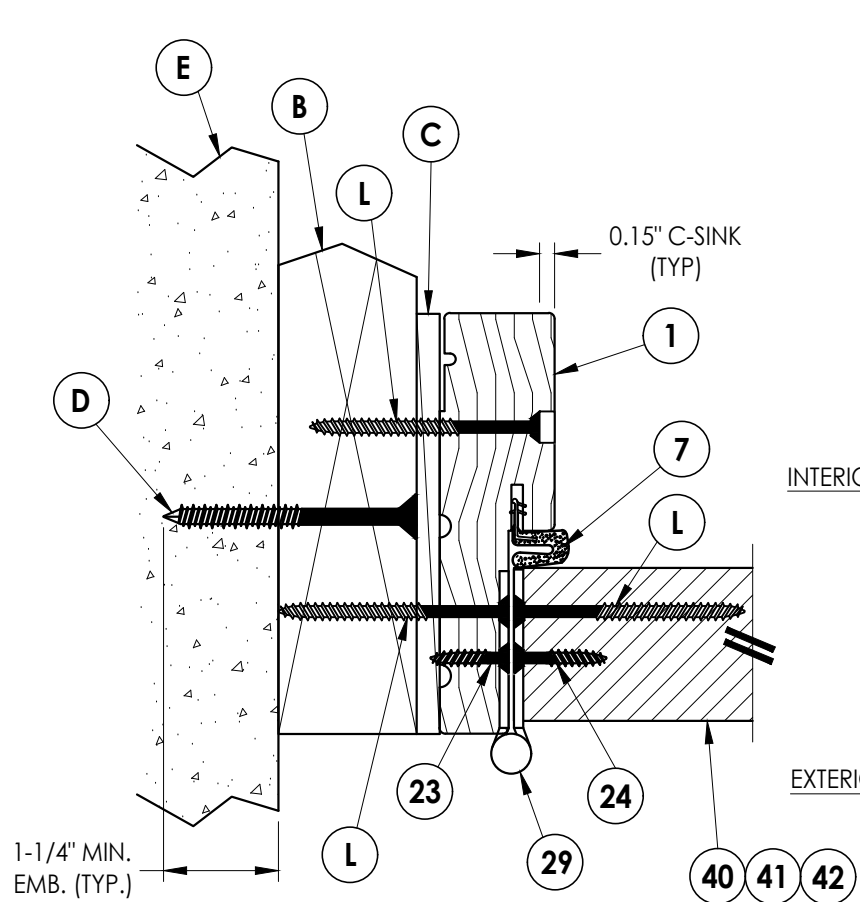
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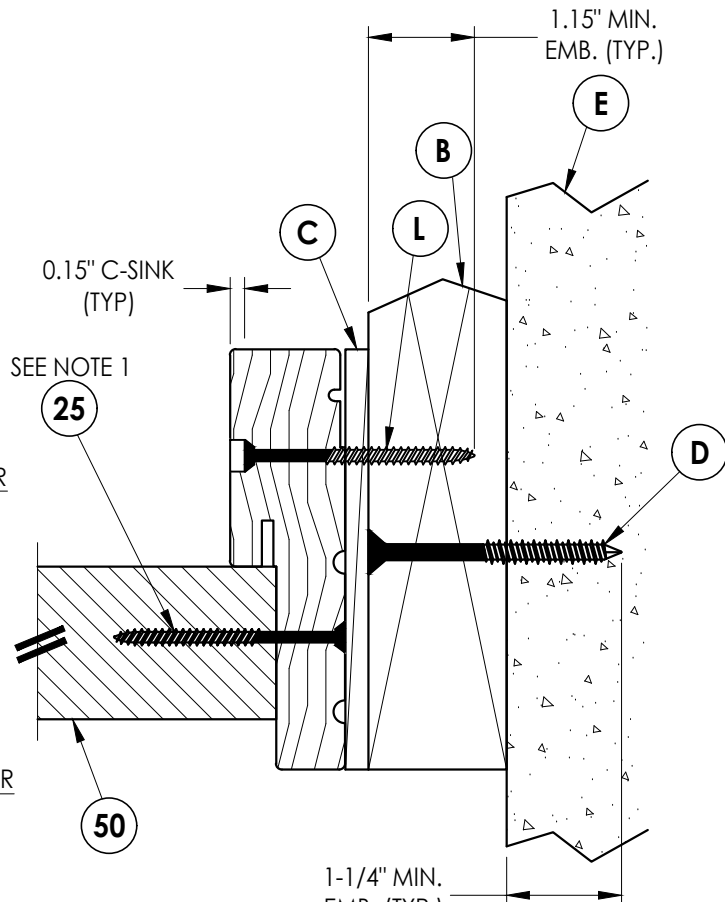
PART OR ASSEMBLY:
ELEVATIONS

REVISIONS			
NO.	DATE	BY	
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC LFS
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC LFS
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SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-30482.12			
SHEET 4 OF 13			

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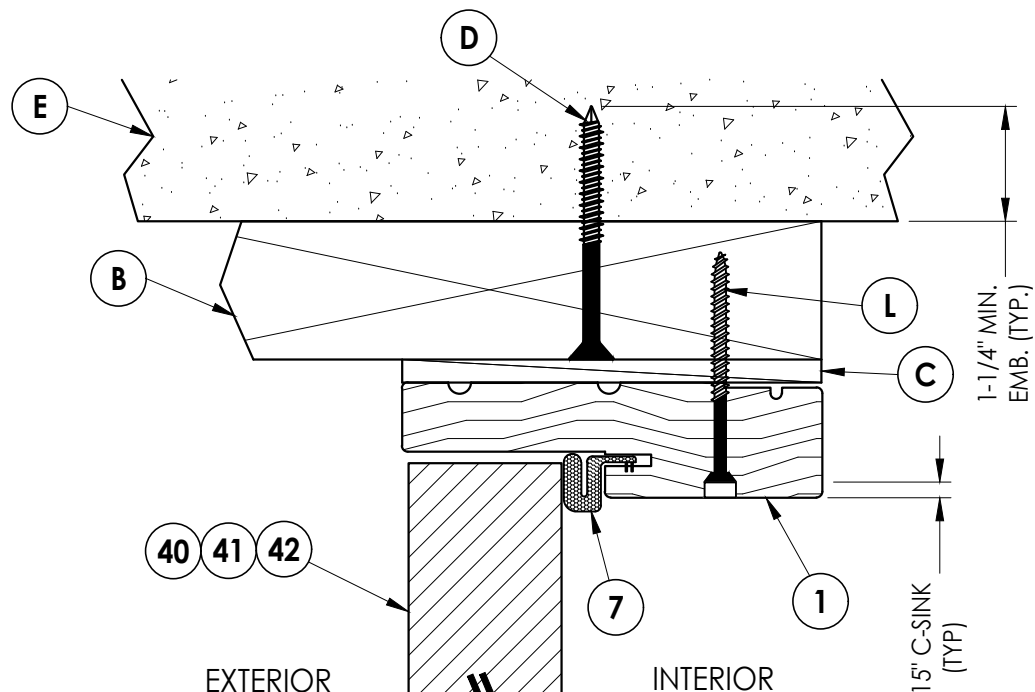


1 **HORIZONTAL CROSS SECTION**
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)

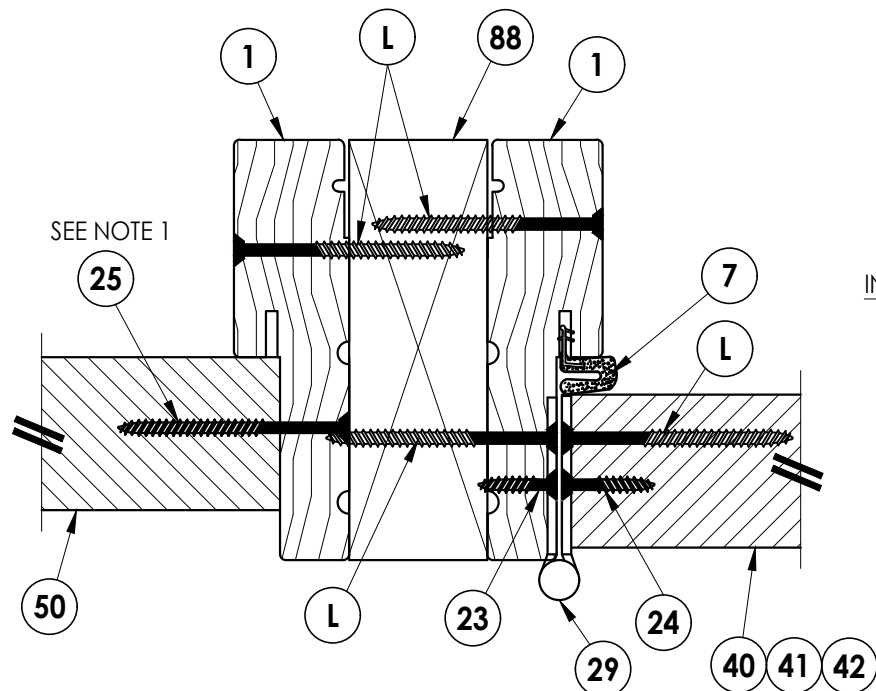


2 **HORIZONTAL CROSS SECTION**
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)

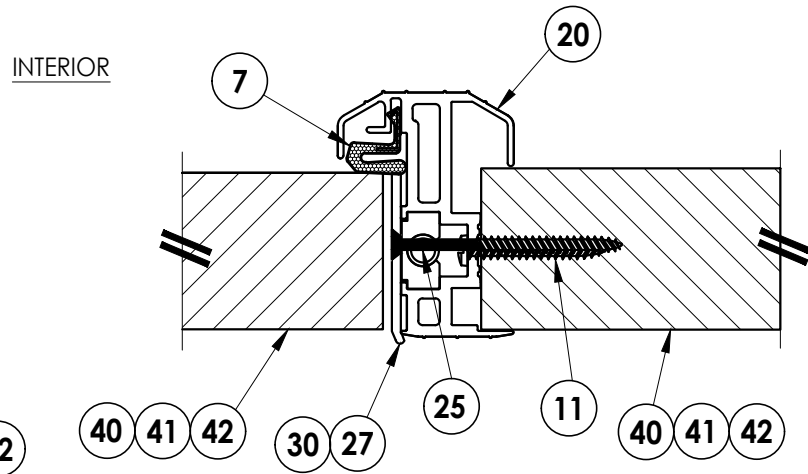
Notes:
1. Sidelite assembly screws located 6" from each end and 4 more screws
equally spaced between (6 screws total per side jamb).



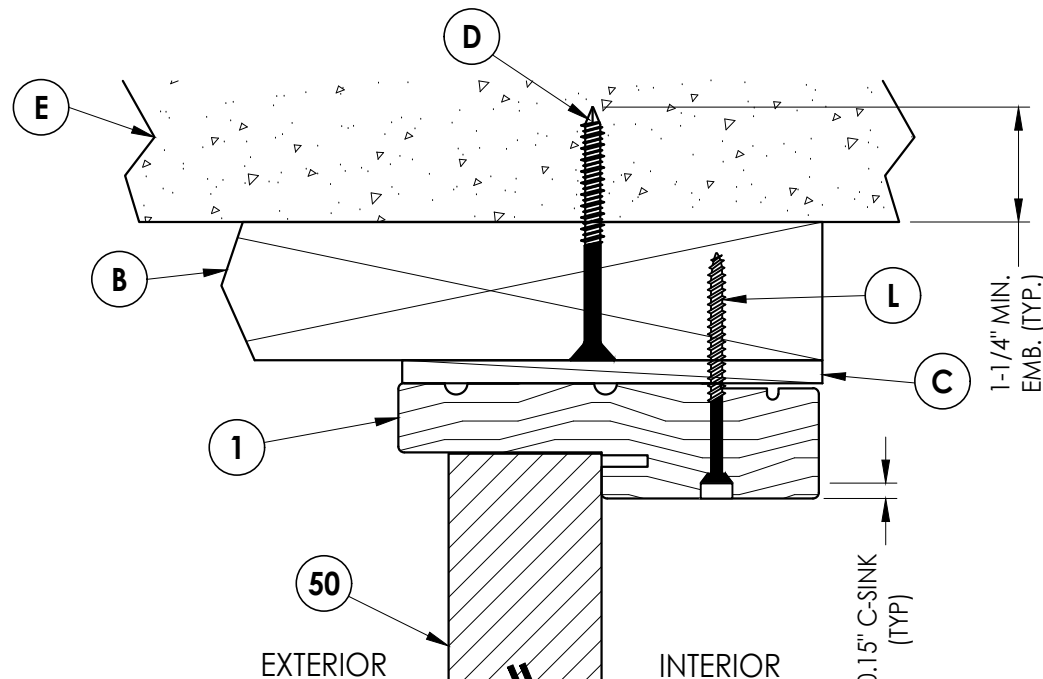
3 **VERTICAL CROSS SECTION**
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)



5 **HORIZONTAL CROSS SECTION**
5 Outswing shown (Inswing similar)



6 **HORIZONTAL CROSS SECTION**
5 Outswing shown (Inswing similar)



4 **VERTICAL CROSS SECTION**
5 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
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	7/27/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC LFS

DATE: 4/06/20

SCALE: N.T.S.

DWG. BY: RW

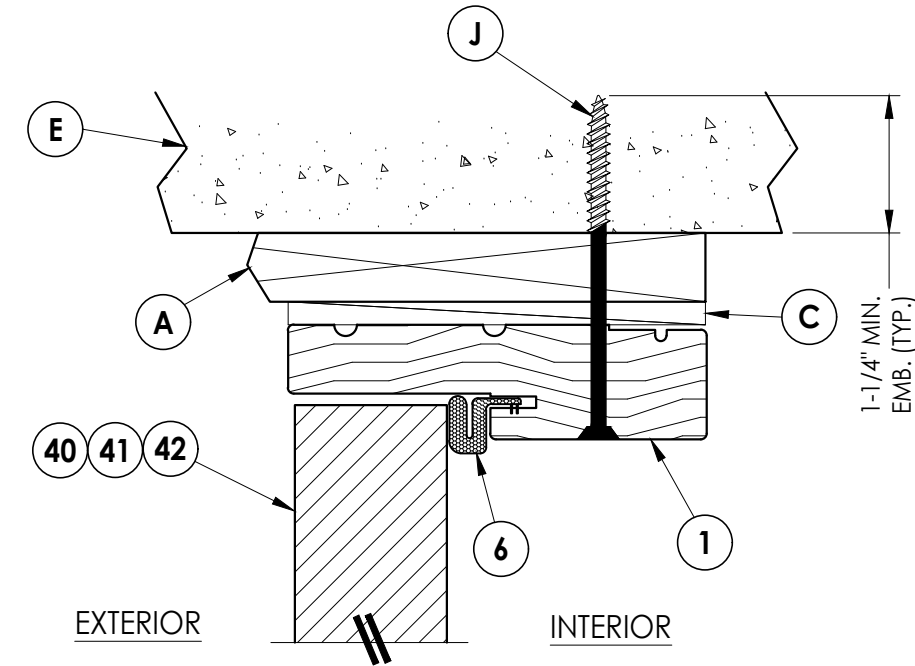
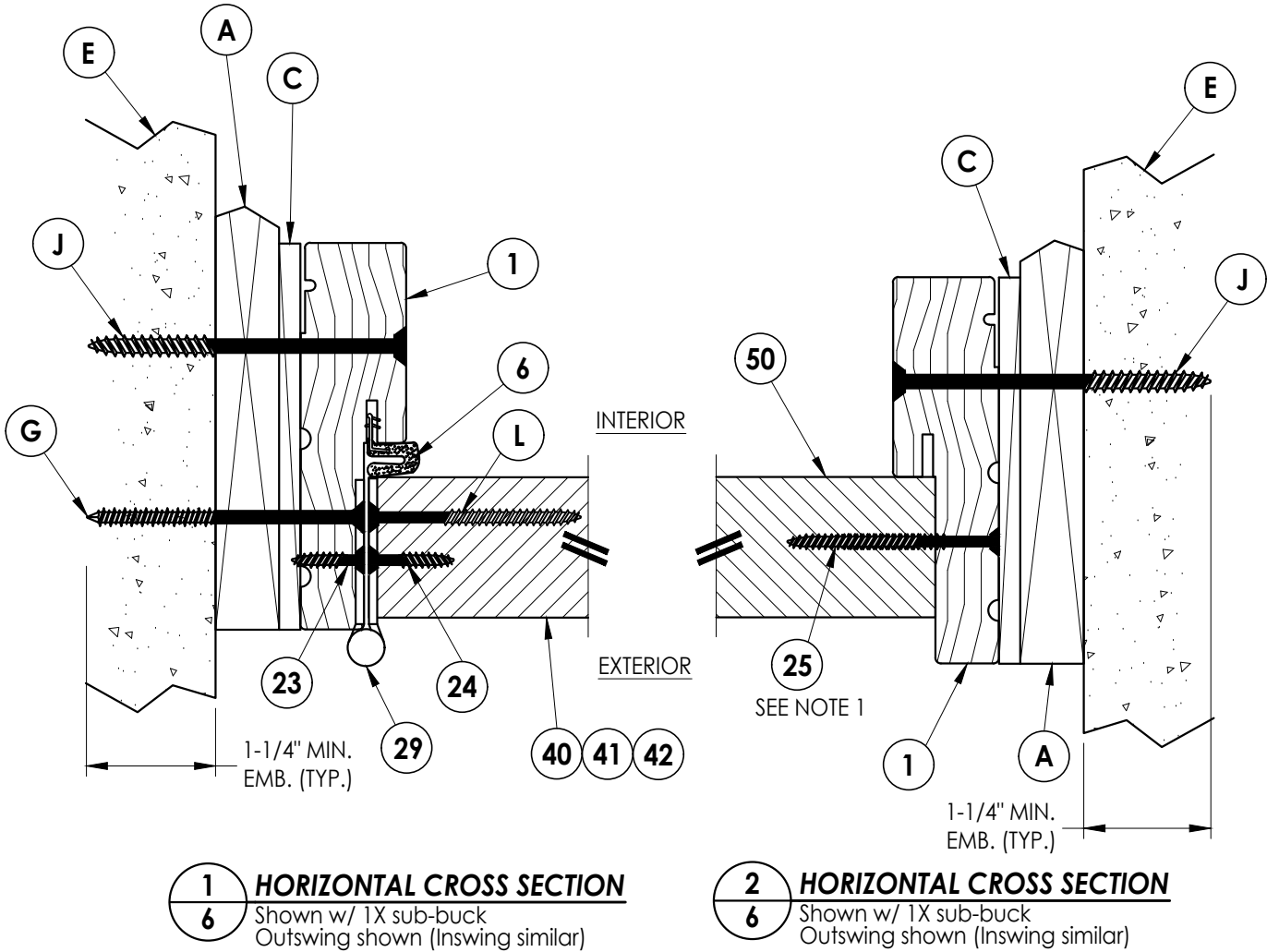
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DRAWING NO.: FL-30482.12

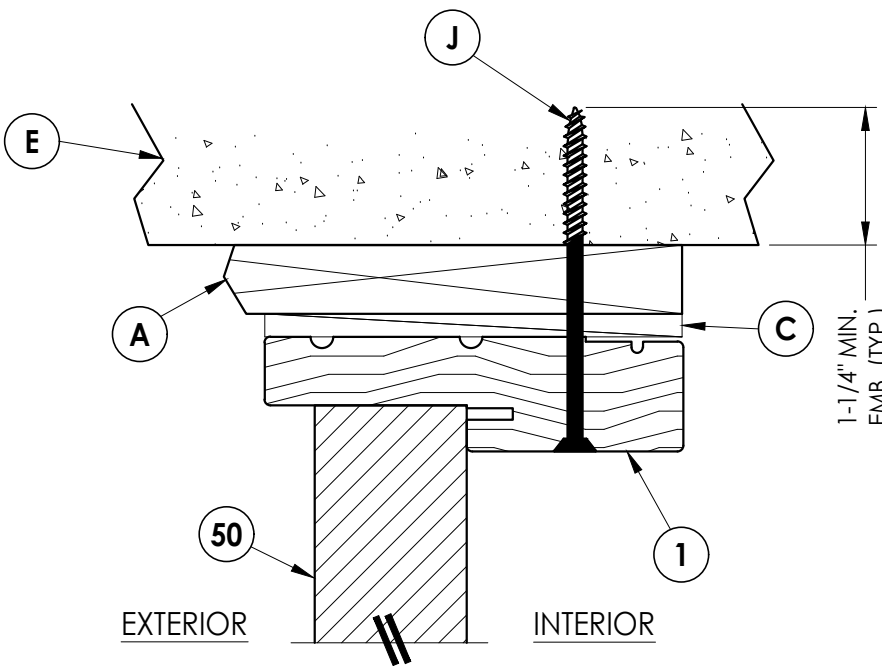
SHEET 5 OF 13

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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).



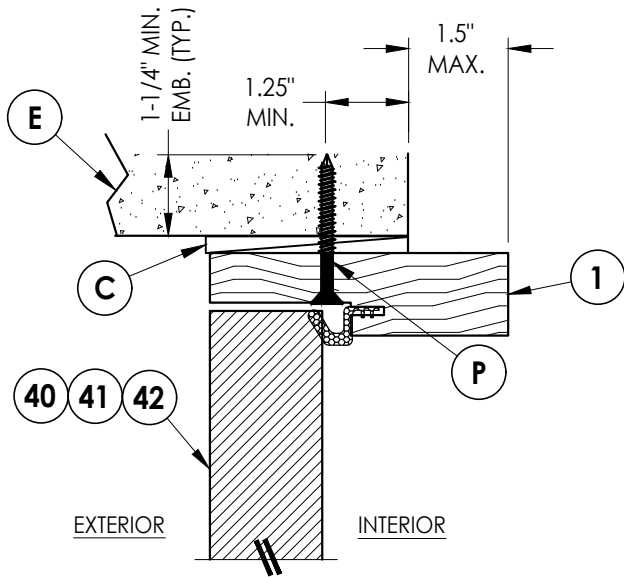
3 VERTICAL CROSS SECTION
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



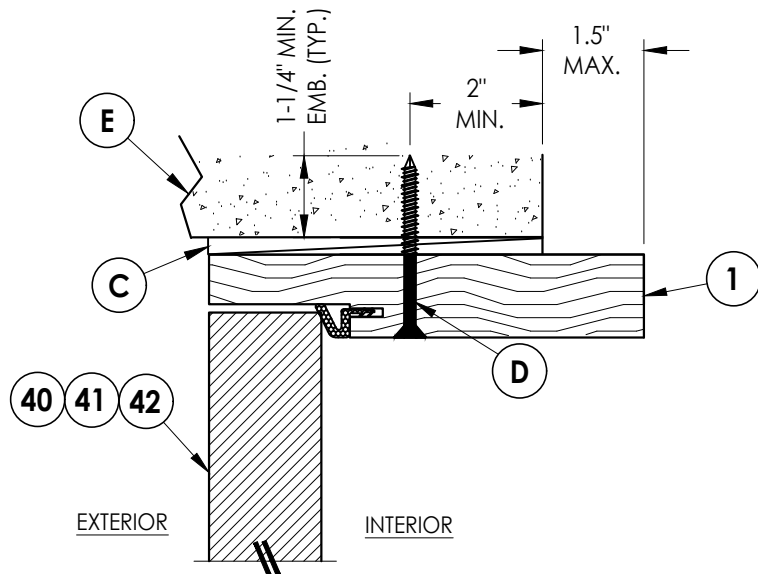
4 VERTICAL CROSS SECTION
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)

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PRODUCT: THERMA-TRU FIBERGLASS DOOR				PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)			
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS			
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS			
NO.	DATE			BY			
				REVISIONS			
DATE: 4/06/20							
SCALE: N.T.S.							
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CHK. BY: LFS							
DRAWING NO.: FL-30482.12							
SHEET 6 OF 13							

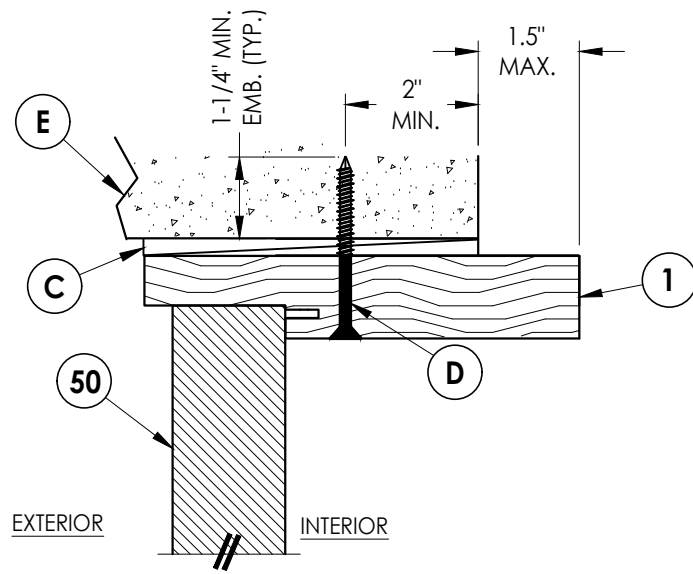
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3
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb
Double Door Only (N/A w/ Sidelites)



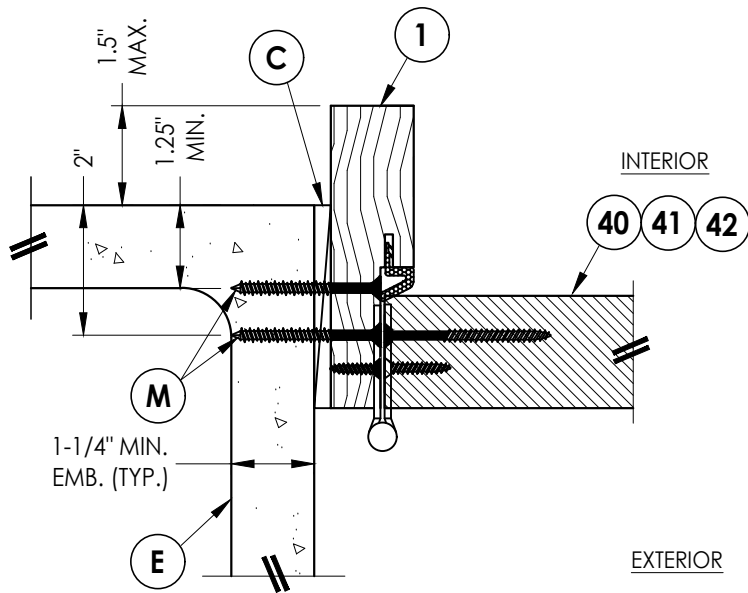
5
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



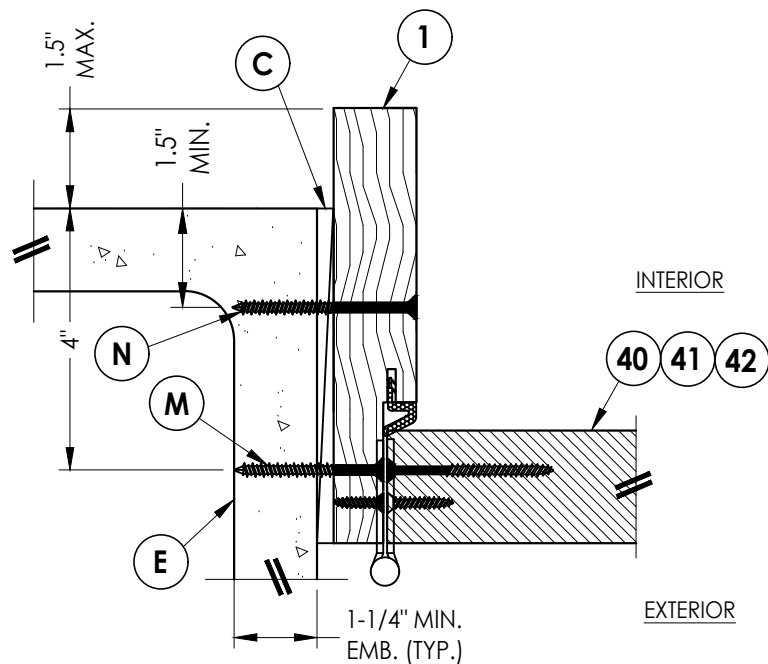
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7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

Note:

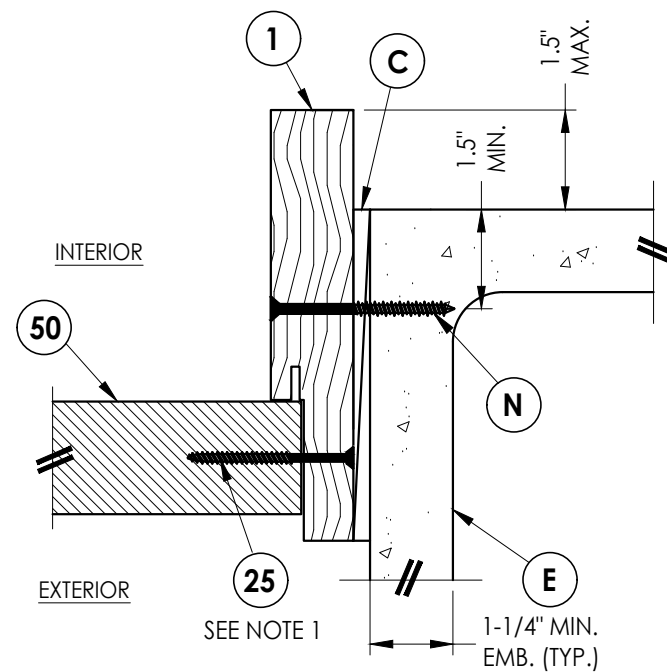
1. Sidelite assembly screws located 6" from each end plus 4 more equally spaced between (6 screws total per side jamb).



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

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

NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	7/27/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/23/20	UPDATE TO 7TH ED. (2020) FBC LFS

DATE: 8/10/16

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

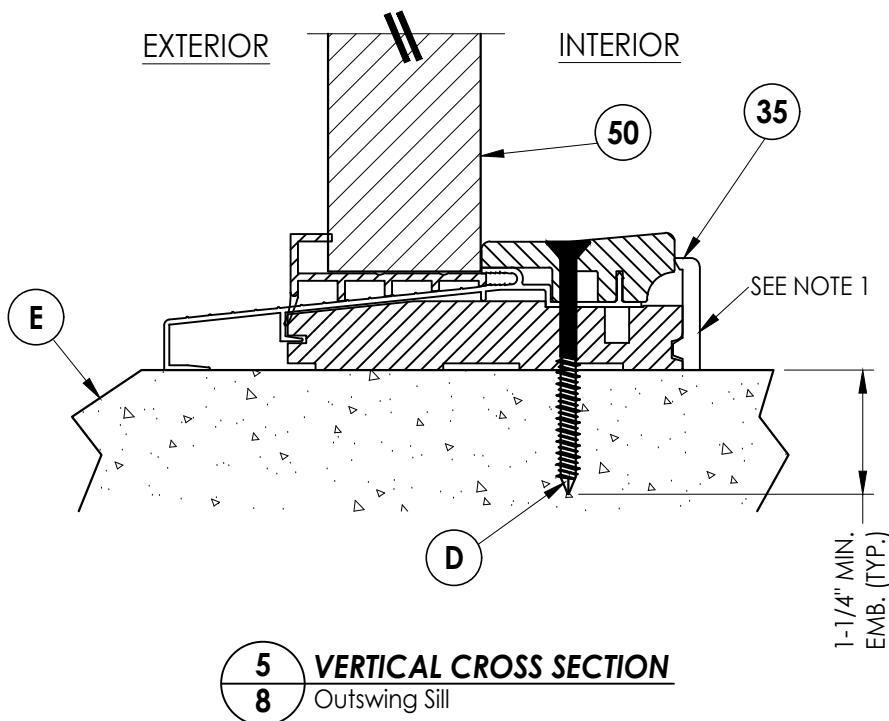
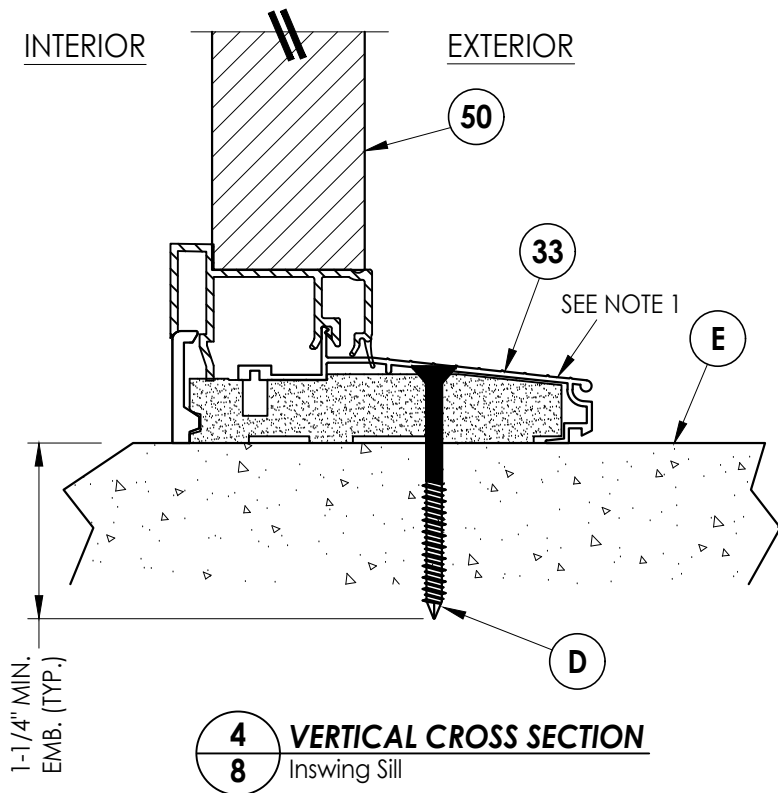
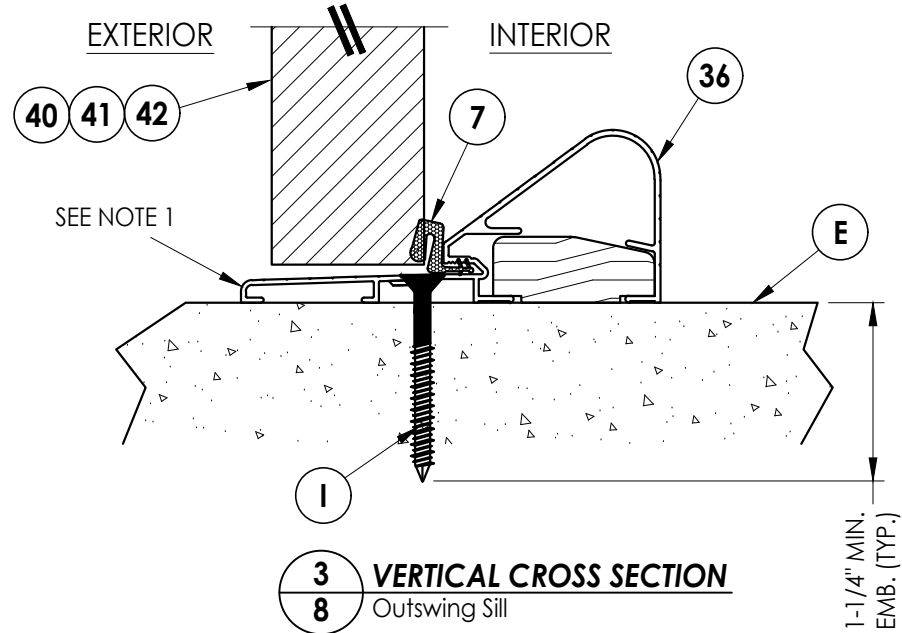
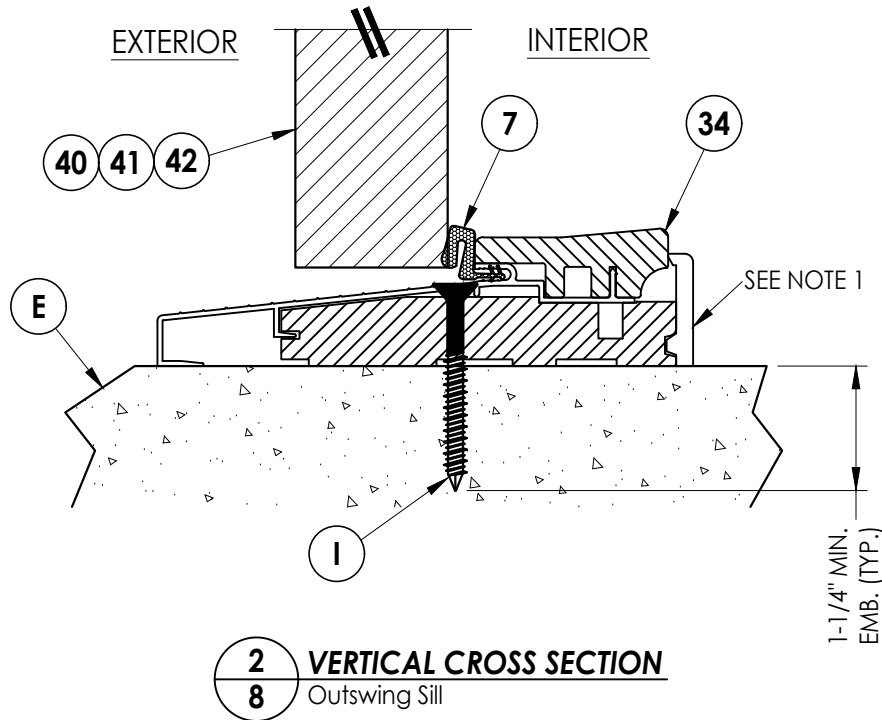
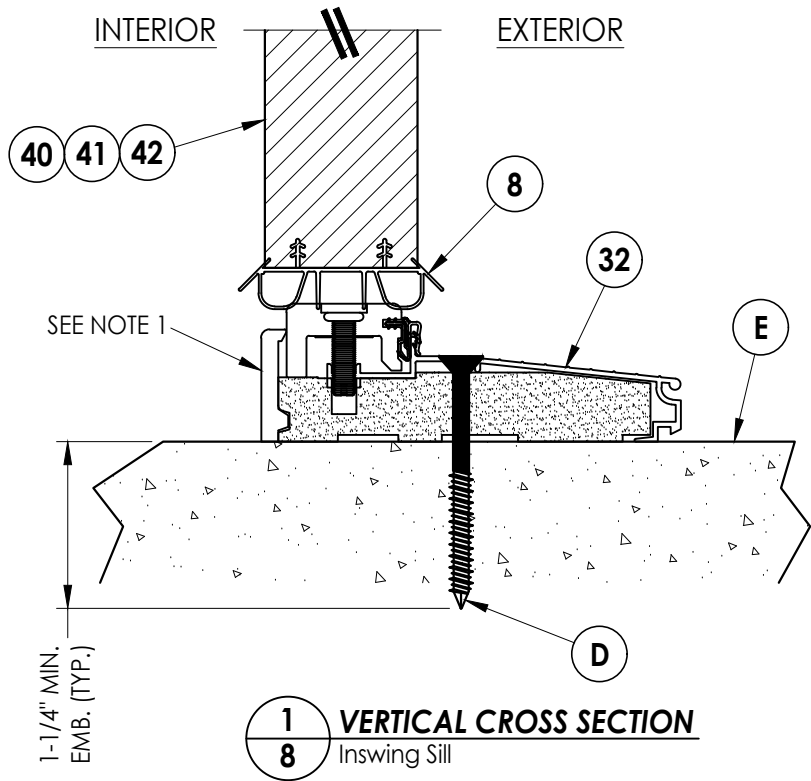
DRAWING NO.:

FL-30482.12

SHEET 7 OF 13

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Note:
1. Sill Item #'s 32, 33, 34 & 35 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item #'s 36 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.



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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS			
		BY	DATE	DESCRIPTION	DATE
3	7/01/26	LFS		UPDATE TO 9TH ED. (2026) FBC	
2	7/27/23	LFS		UPDATE TO 8TH ED. (2023) FBC	
1	7/23/20	LFS		UPDATE TO 7TH ED (2020) FBC	

DATE: 4/06/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-30482.12

SHEET 8 OF 13

MASONRY
(TYP.)

Architectural section drawing of a window assembly. The drawing shows a cross-section of a window frame and its connection to a concrete structure. Key components and dimensions include:

- ASTRAGAL**: Located at the top center of the window frame.
- MULLION**: Located to the right of the astragal.
- HEAD & JAMBS (TYP.)**: Indicated by a circle 'D' pointing to the vertical frame members.
- Dimensions**:
 - 4" (TYP.)
 - 4" (TYP.)
 - 4" (TYP.)
 - 2" (TYP.)
 - 6" (TYP.)
 - 4" (TYP.)
 - 4" (TYP.)
 - 23" MAX. O.C. (TYP.)
- Labels**:
 - CK (Concrete)

2X BUCK
(TYP.) \

MASONRY
(TYP.)

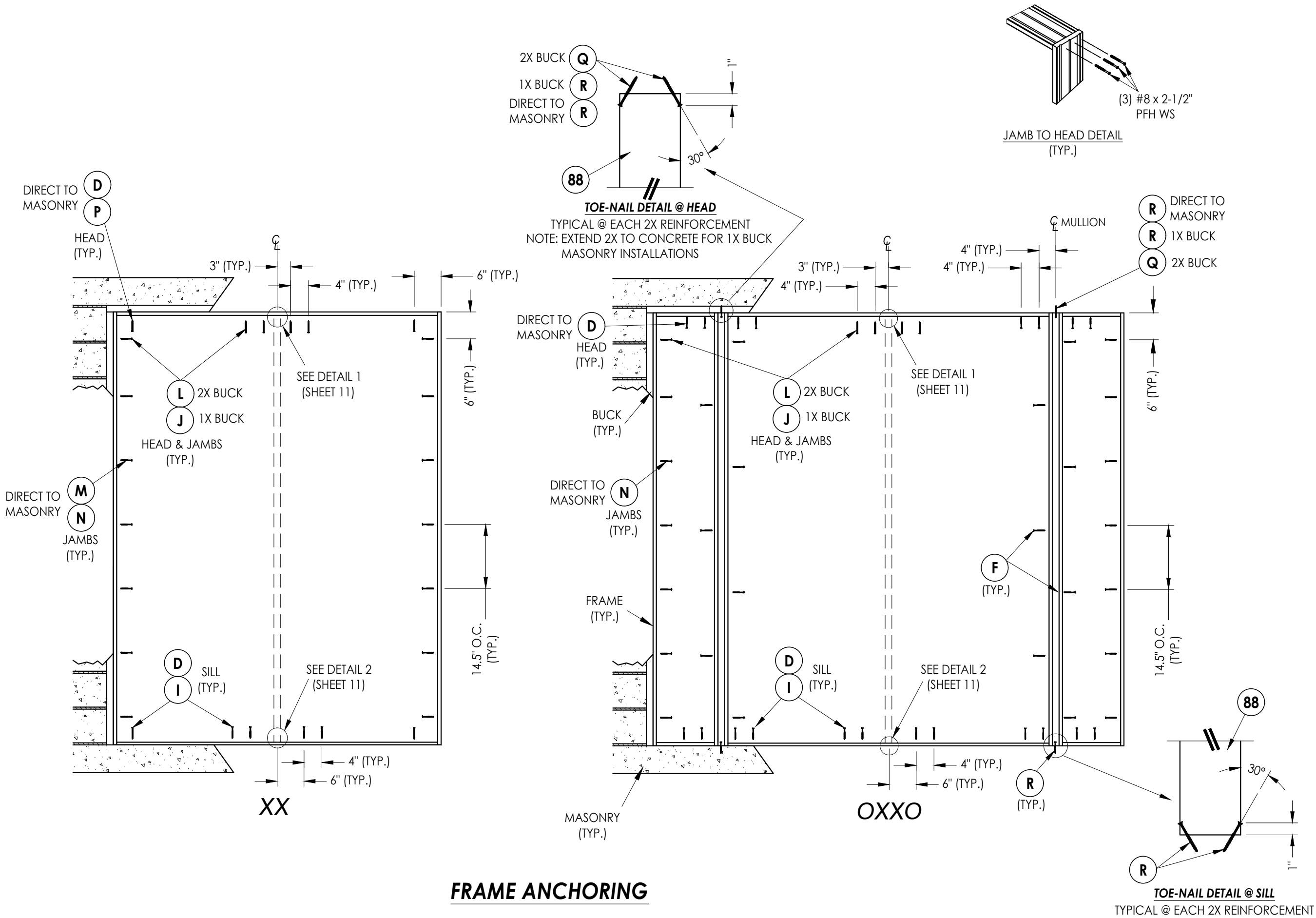
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SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-30482.12
SHEET	9 OF 13

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

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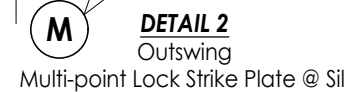
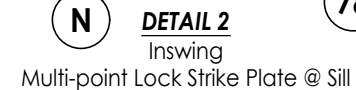
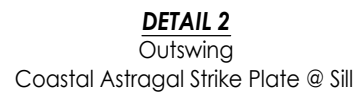
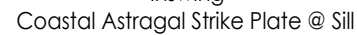
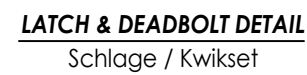
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PRODUCT: THERMA-TRU
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PART OR ASSEMBLY:
FRAME ANCHORING

NO.	DATE	REVISIONS	BY
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
2	7/27/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	7/23/20	UPDATE TO 7TH ED. (2020) FBC	LFS

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SHEET 10 OF 13

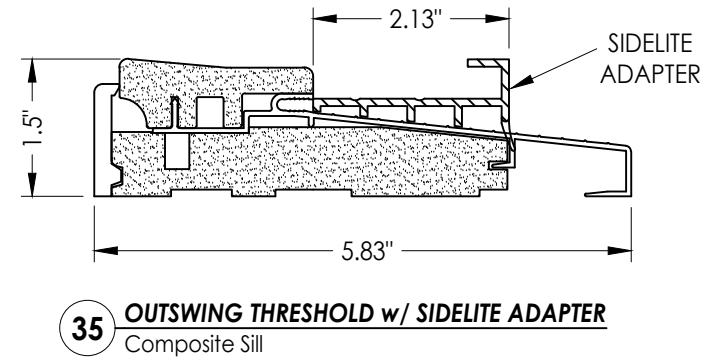
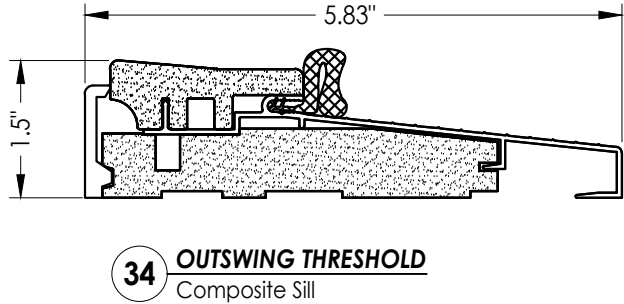
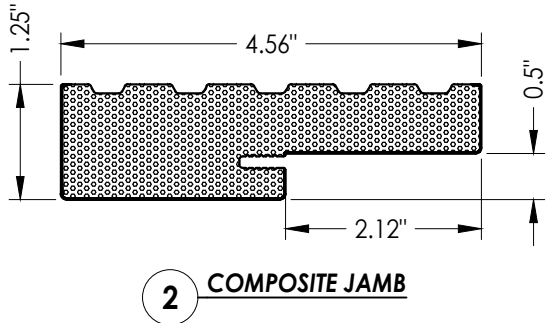
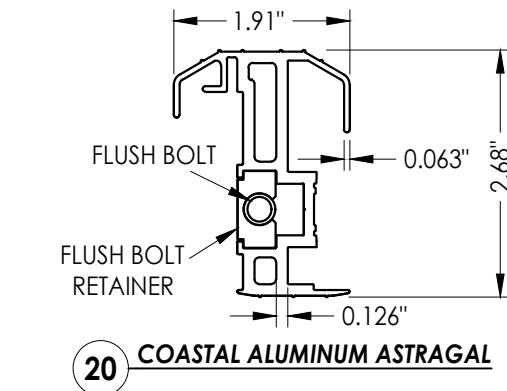
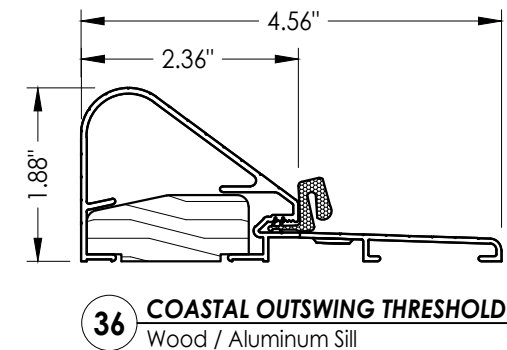
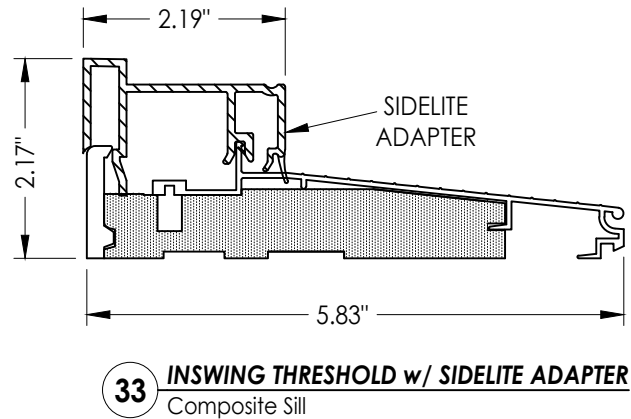
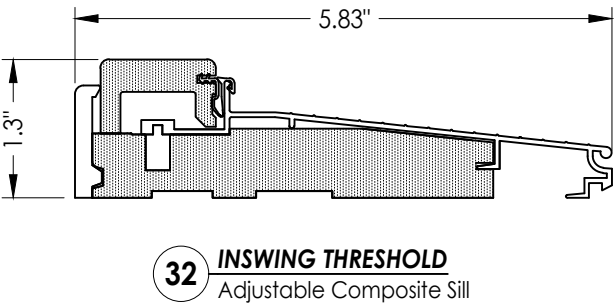
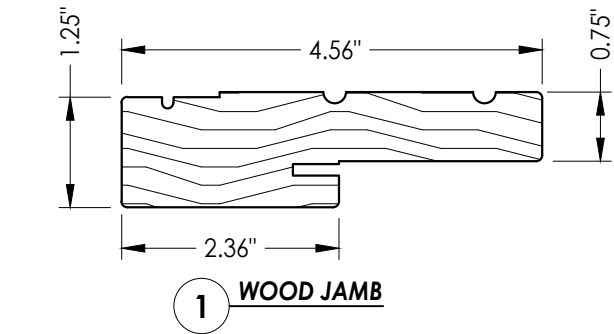


LATCH & DEADBOLT STRIKE DETAILS

MULTI-POINT LOCK STRIKE DETAILS

DATE:		4/06/20		PRODUCT: THERMA-TRU FIBERGLASS DOOR PART OR ASSEMBLY: HARDWARE DETAILS		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 License No. 9813	
SCALE:		N.T.S.					
DWG. BY:		RW					
CHK. BY:		LFS					
DRAWING NO.:		FL-30482.12					
SHEET		<u>11</u> OF <u>13</u>					
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS			
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS			
NO.		DATE					
				REVISIONS			

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 ELCO 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 ELCO OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH ELCO 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
Q	#10 X 3" PFH WOOD SCREW (1.75" MIN. EMBEDMENT)	STEEL
R	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL
1	WOOD JAMB (FINGER JOINT PINE)	WOOD
2	COMPOSITE JAMB	COMP.
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
20	COASTAL ALUMINUM ASTRAGAL	ALUM
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	#8 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
30	LATCH & DEADBOLT STRIKE PLATE (TONGUE SYSTEM)	STEEL
31	MULTI-POINT STRIKE PLATE (TONGUE SYSTEM)	
32	INSWING THRESHOLD	ALUM/COMP
33	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
34	OUTSWING THRESHOLD	ALUM/COMP
35	OUTSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
36	COASTAL OUTSWING THRESHOLD	ALUM/WOOD
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-
50	SIDELITE PANEL	-
78	MULTI-POINT LOCK STRIKE PLATE @ HEAD	STEEL
79	MULTI-POINT LOCK STRIKE PLATE @ SILL	STEEL
80	COASTAL ASTRAGAL STRIKE PLATE	STEEL
88	2X REINFORCEMENT (SG = 0.55)	WOOD



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"
ELCO ULTRACON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3" or 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.

DATE: 4/06/20		REVISIONS	
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-30482.12			
SHEET 13 OF 13			
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC LFS
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC LFS
NO.	DATE		BY
PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:		BILL OF MATERIALS	
Documents Prepared By:		<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry License No. 9813	
Lyndon F. Schmidt P.E. No. 43409			