



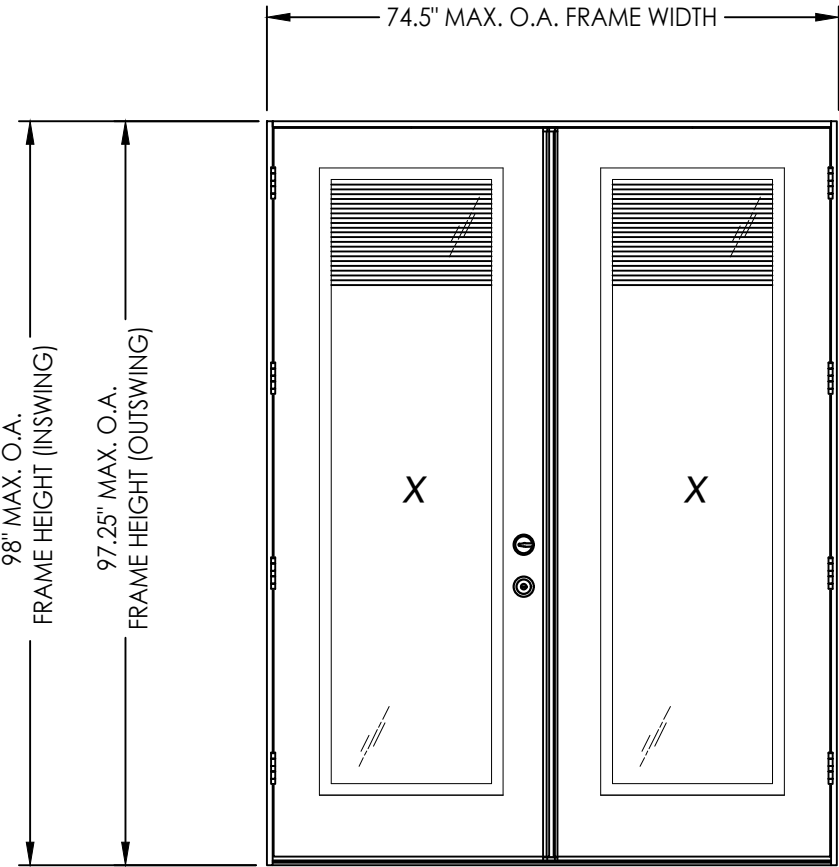
Fiber-Classic® & Smooth-Star®

COMPOSITE EDGE
GLAZED FIBERGLASS DOUBLE DOOR
w/ BLINDS BETWEEN GLASS
INSWING/OUTSWING
"IMPACT"

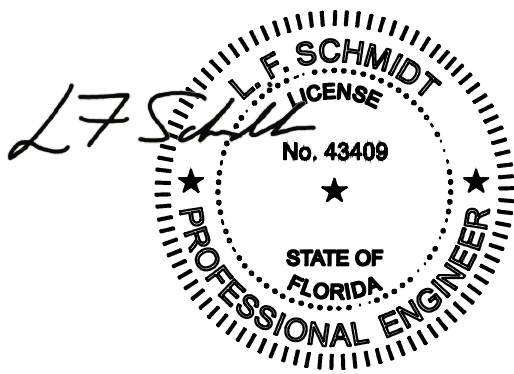
GENERAL NOTES

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.

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes
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5	Horizontal & Vertical Cross Sections (1X Buck)
6	Vertical Cross Sections (Thresholds)
7	Buck & Frame Anchoring
8	Hardware Details
9	Lite Frame & Glazing Details
10	Bill of Materials & Components



CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX	+40.0	-45.0	+45.0	-45.0



Digitally signed by
Lyndon F Schmidt
Date: 2026.08.10
15:26:12 -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

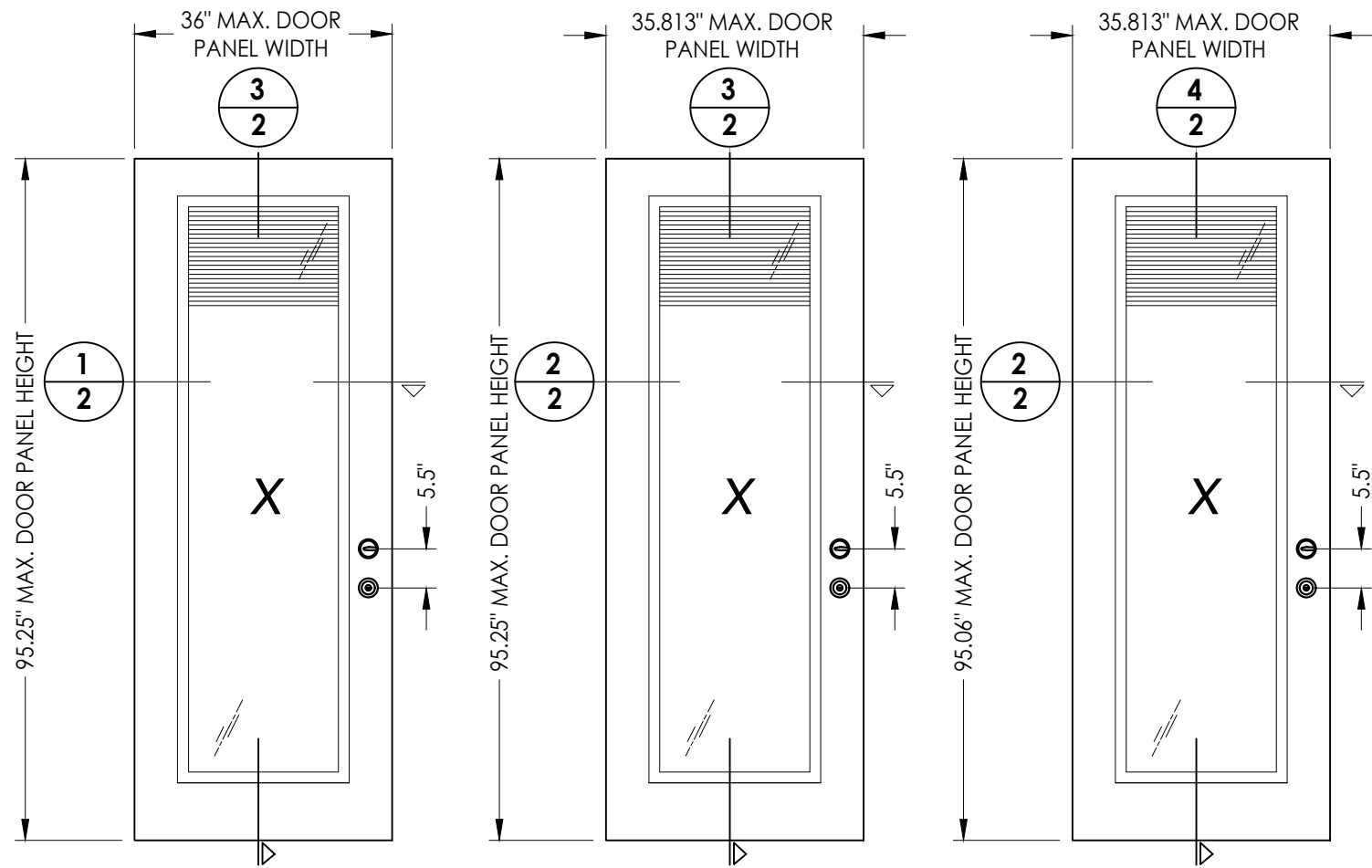
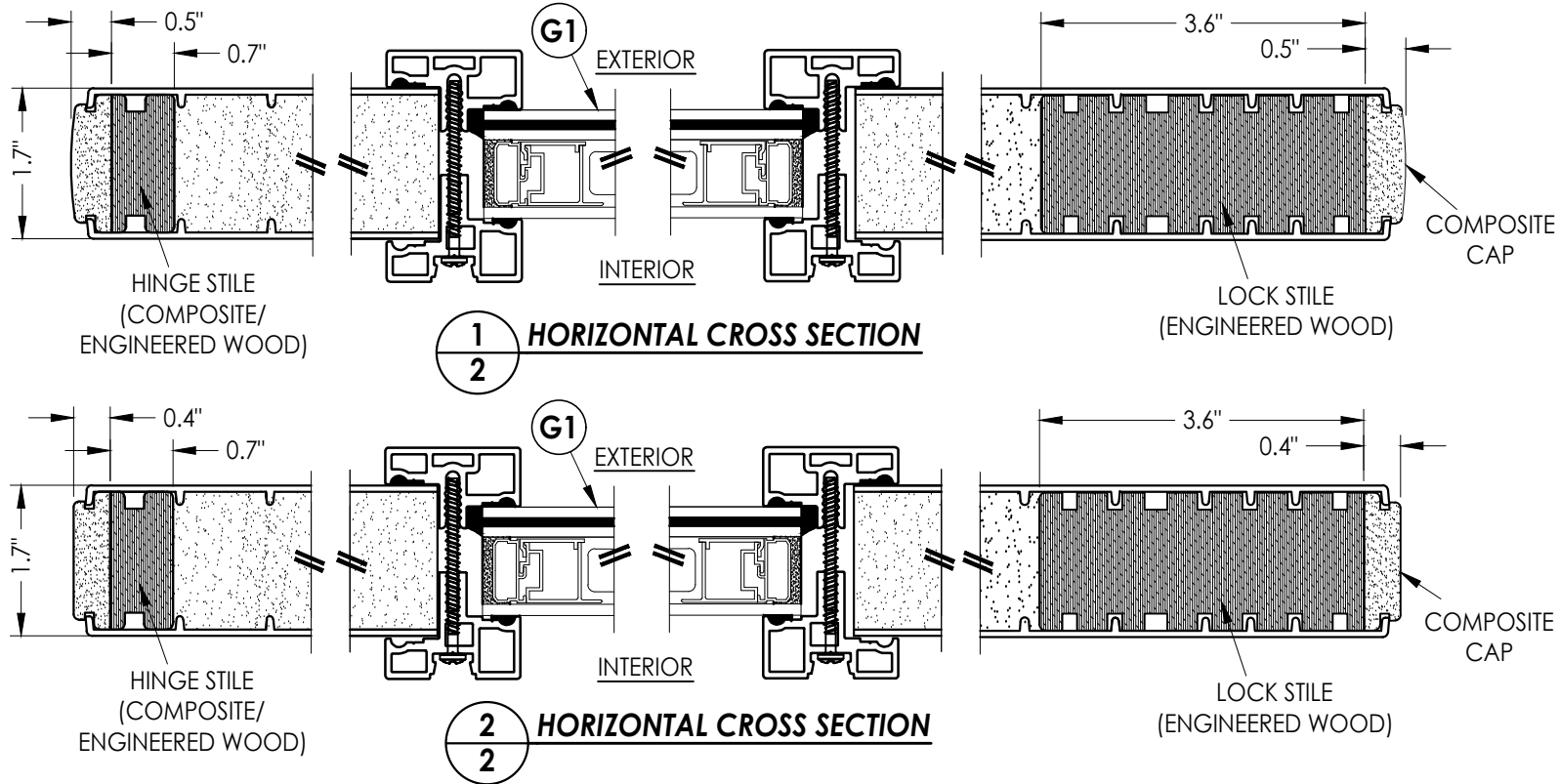
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW

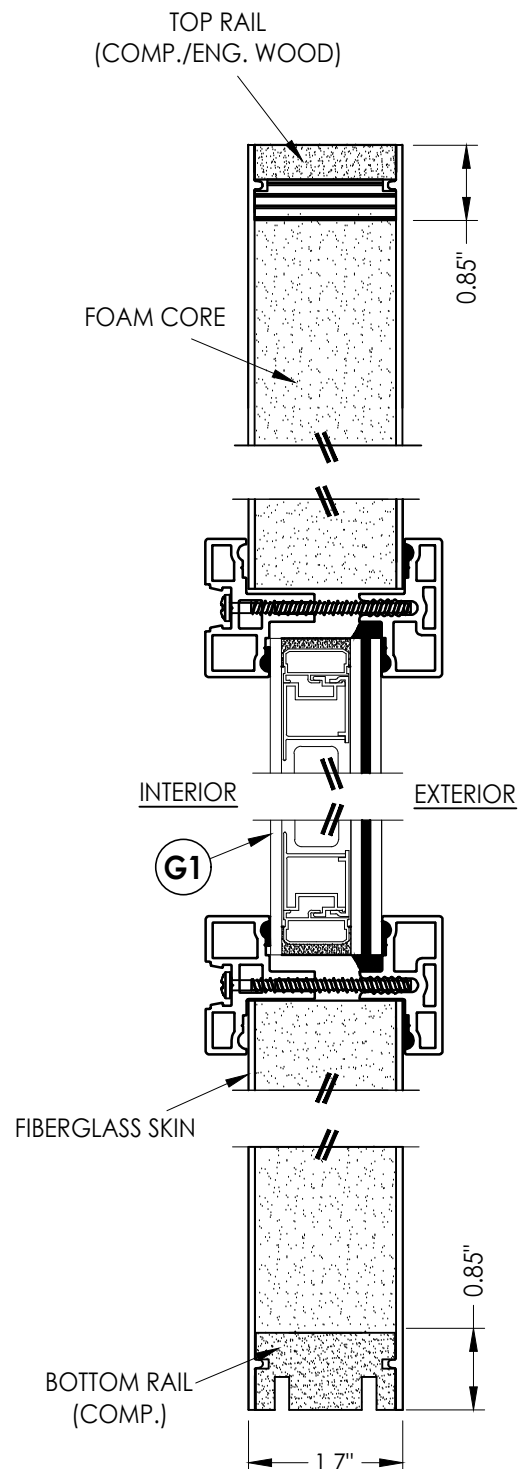
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
		LFS	LFS
		BY	
		DATE	
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC
1	7/27/23	UPDATE TO 8TH ED. (2023)	FBC
REVISIONS			
DATE: 5/25/21			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-37183.12			
SHEET 1 OF 10			

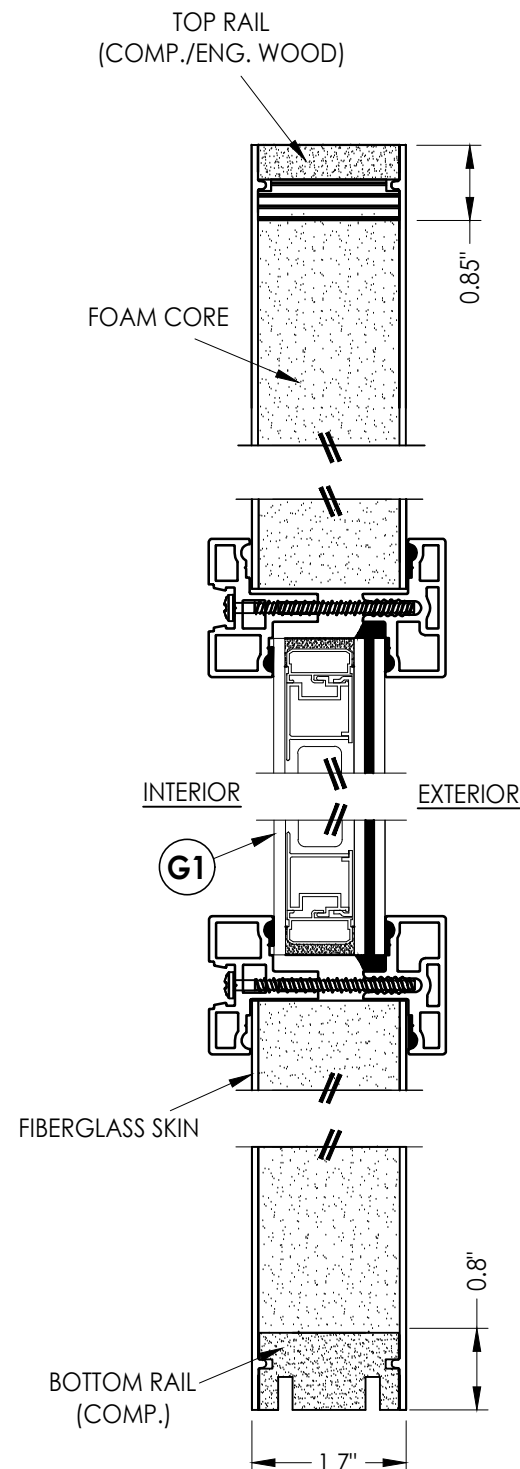
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FIBERGLASS SKIN: 0.082" MIN. THK.
FOAM CORE: POLYURETHANE -1.9 PCF MIN.



3
2 VERTICAL CROSS SECTION



4
2 VERTICAL CROSS SECTION

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
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.

DWG. BY: RW

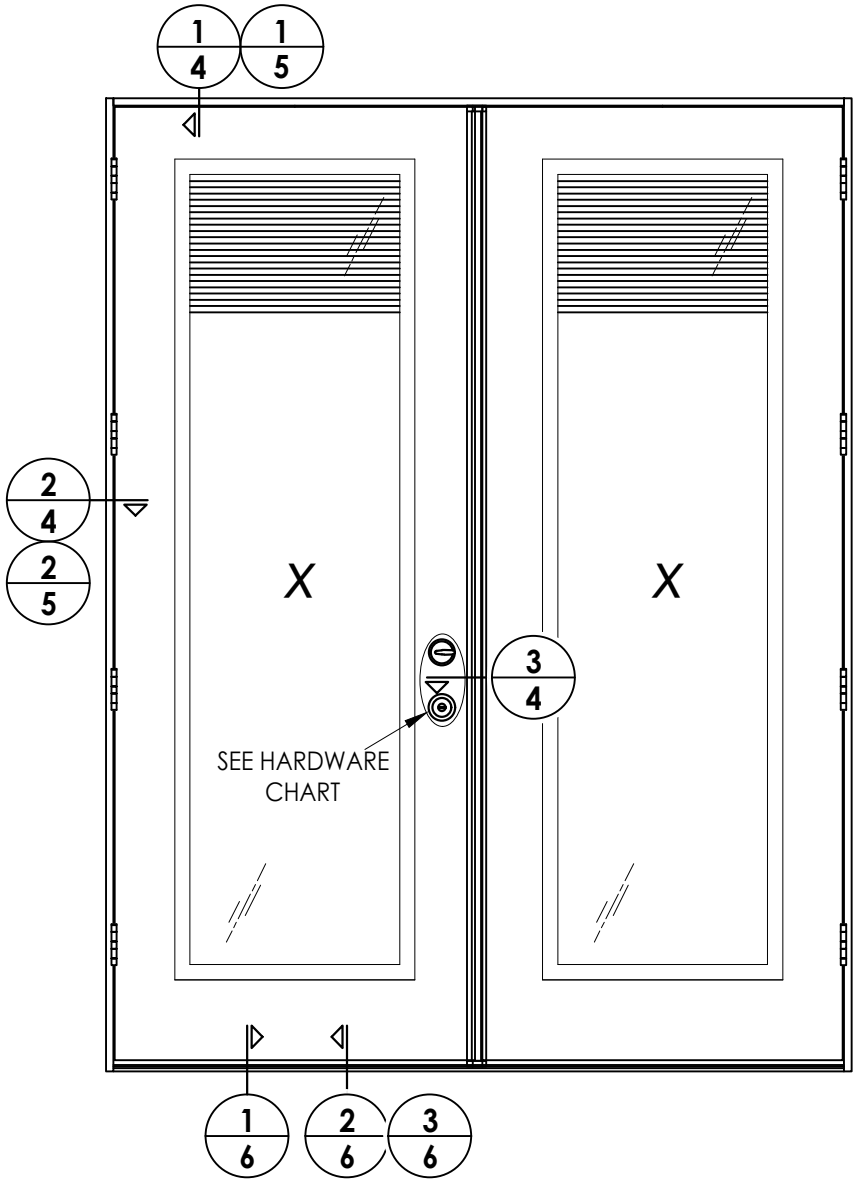
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SHEET 2 OF 10

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HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	KNOB:	F51
	DEADBOLT:	B60
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)

DATE: 5/25/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-37183.12

SHEET 3 of 10

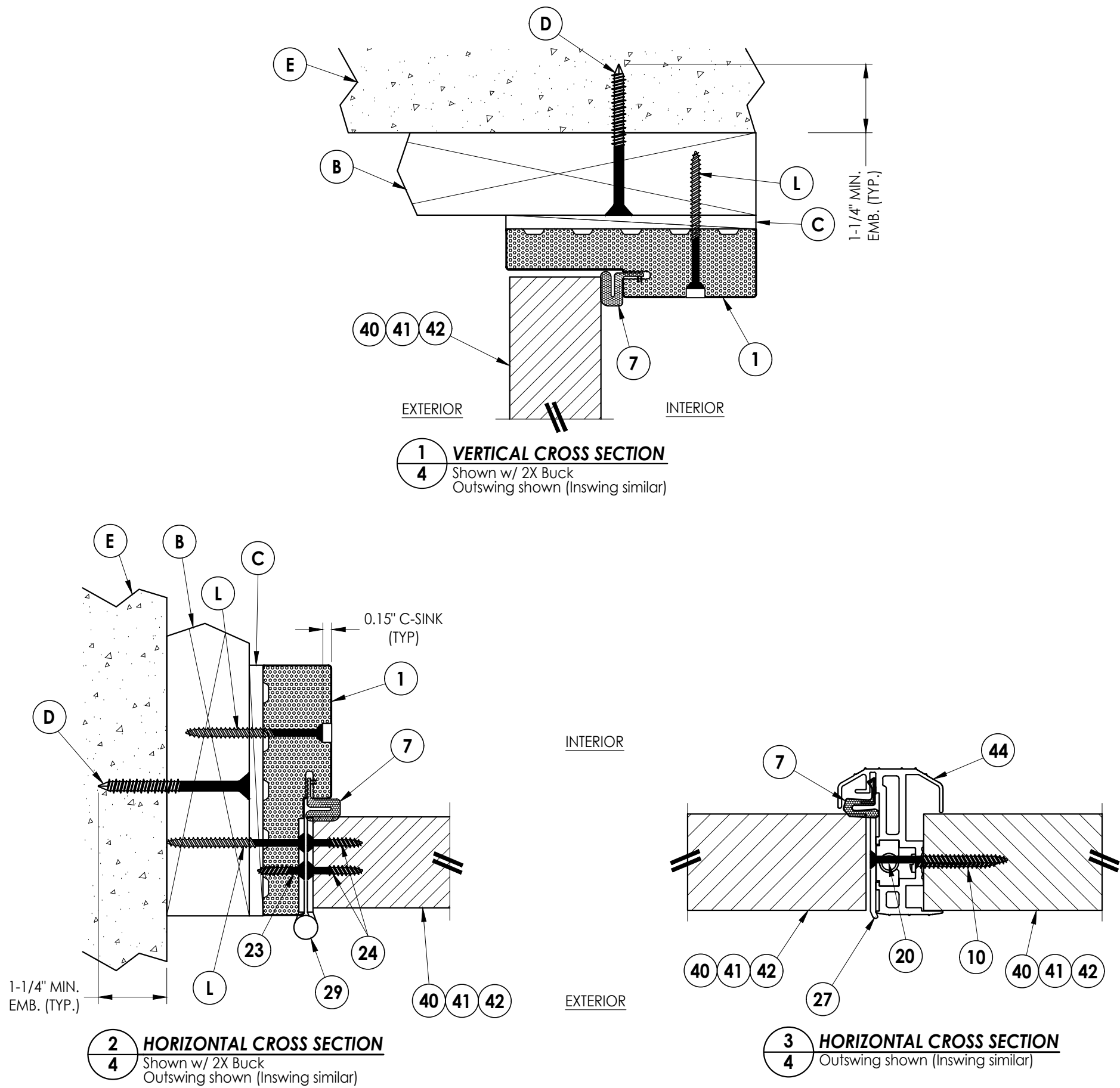
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1	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
NO.	DATE	REVISIONS		

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

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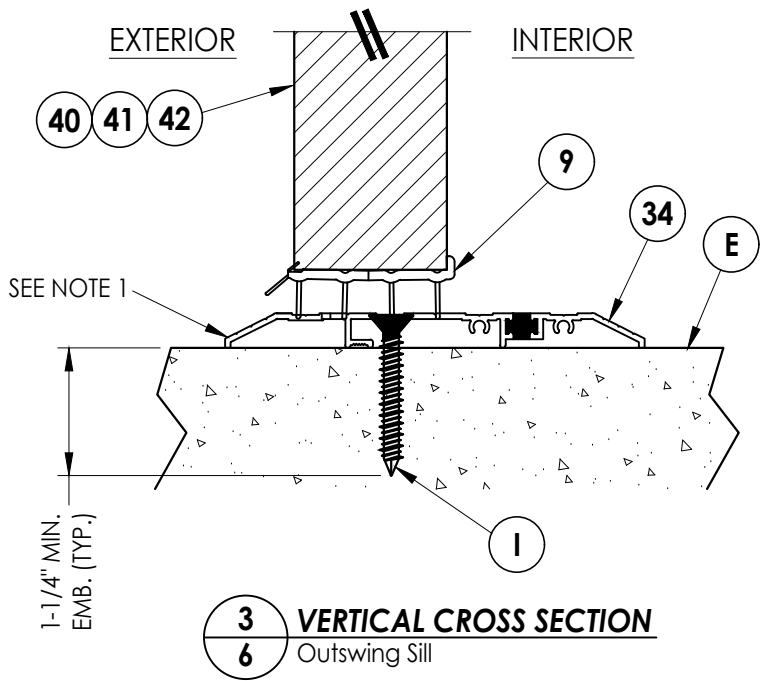
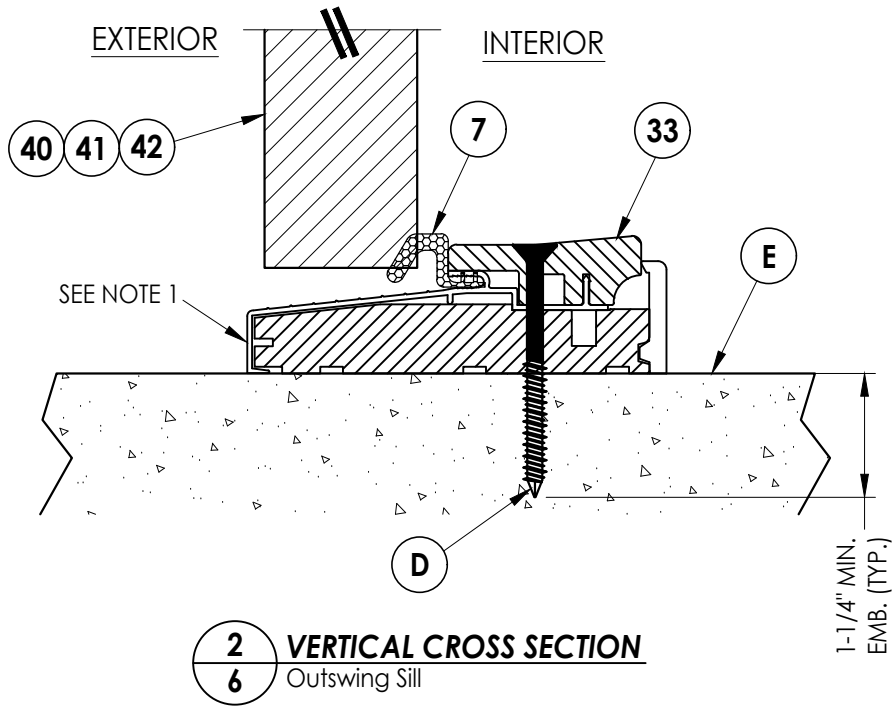
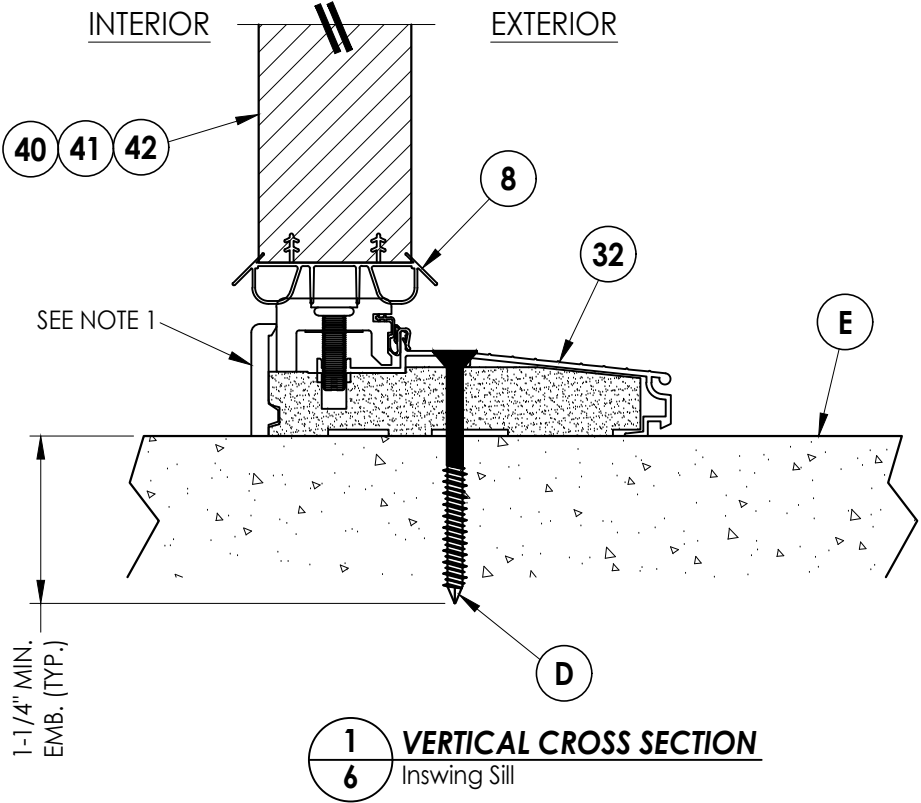
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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PRODUCT: THERMA-TRU
FIBERGLASS DOOR

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

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- Notes:
- 1. 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.



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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
LFS		BY

DATE: 5/25/21

SCALE: N.T.S.

DWG. BY: RW

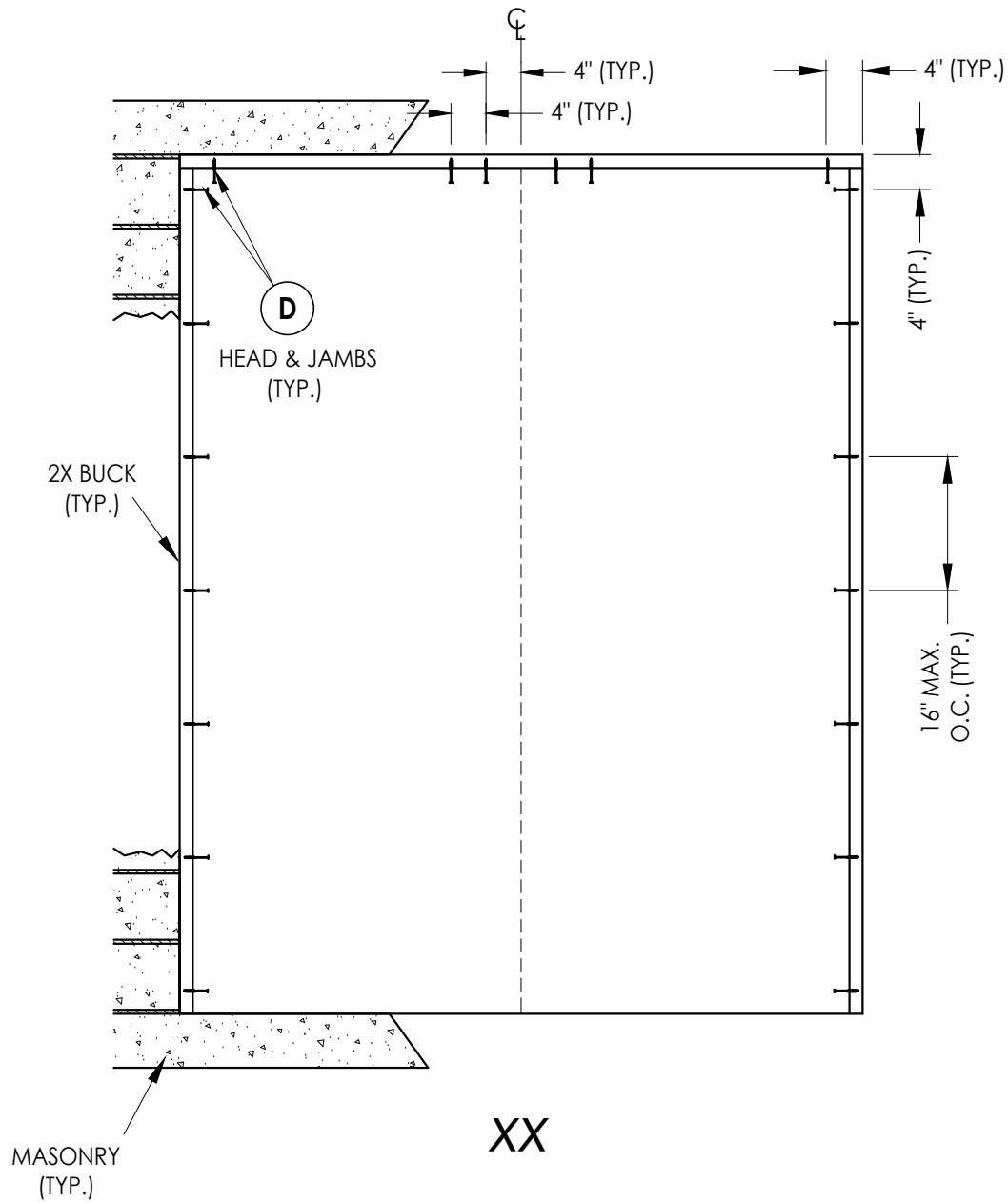
CHK. BY: LFS

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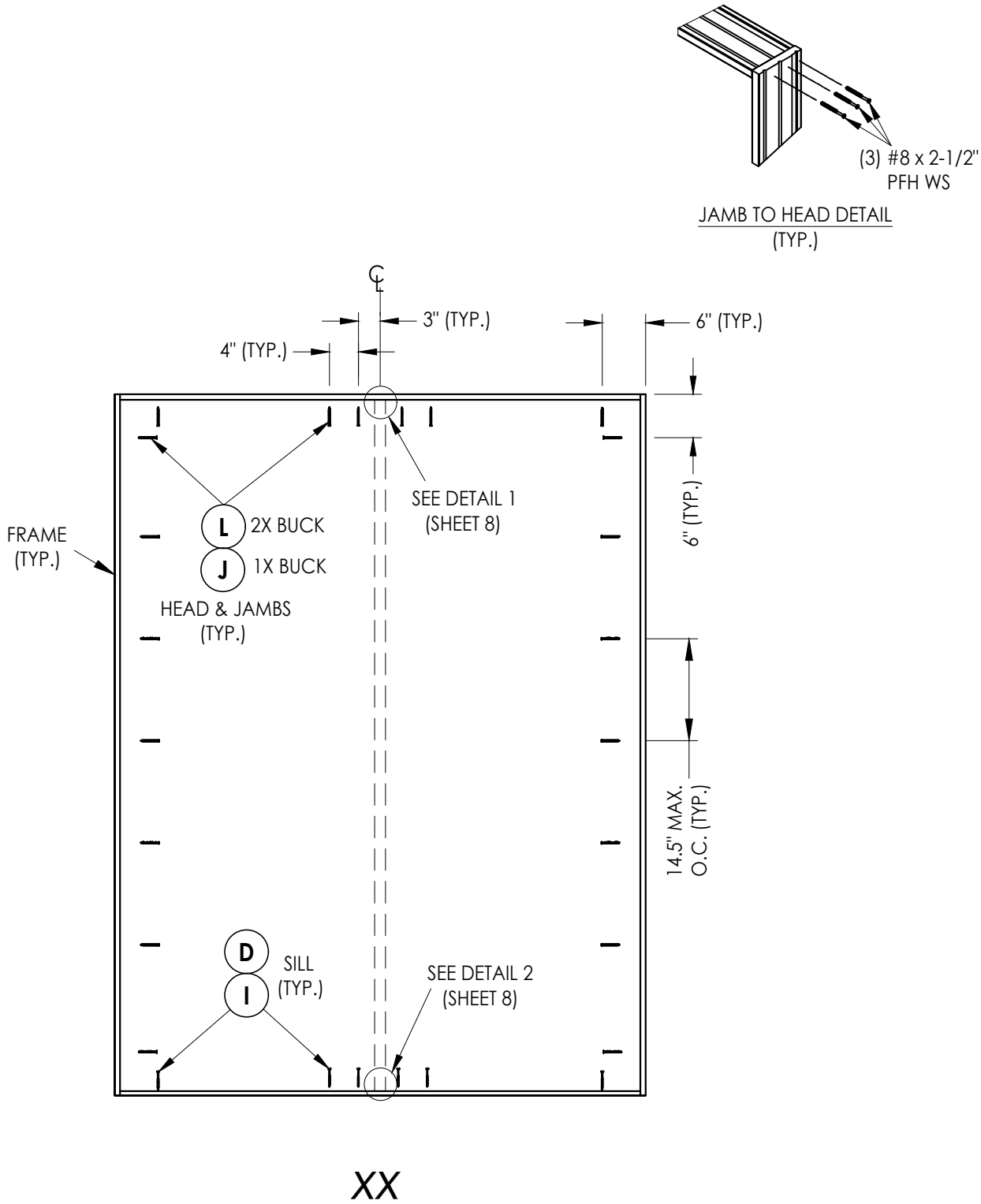
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SHEET 6 OF 10

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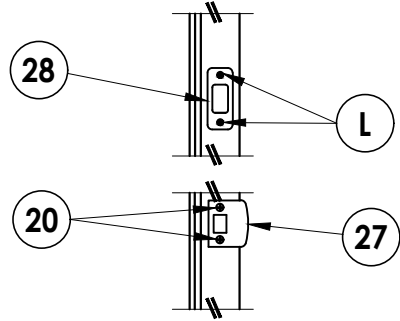
2X BUCK ANCHORING



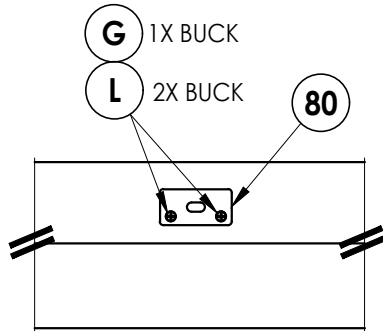
FRAME ANCHORING

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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: BUCK ANCHORING					
				LFS	FBC	LFS	
				LFS	FBC	LFS	
				BY			
				REVISIONS			
				NO	DATE		
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS			
1	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS			
DATE: 5/25/21							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-37183.12							
SHEET 7 OF 10							

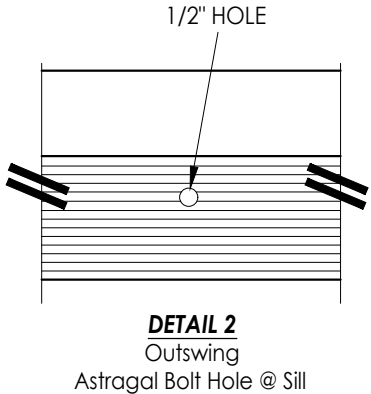
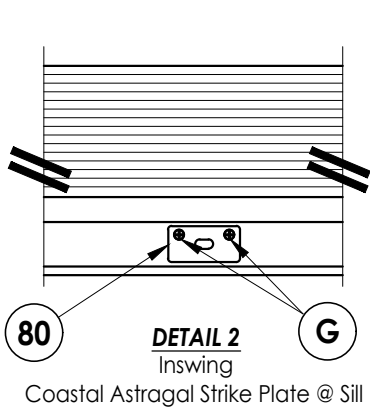
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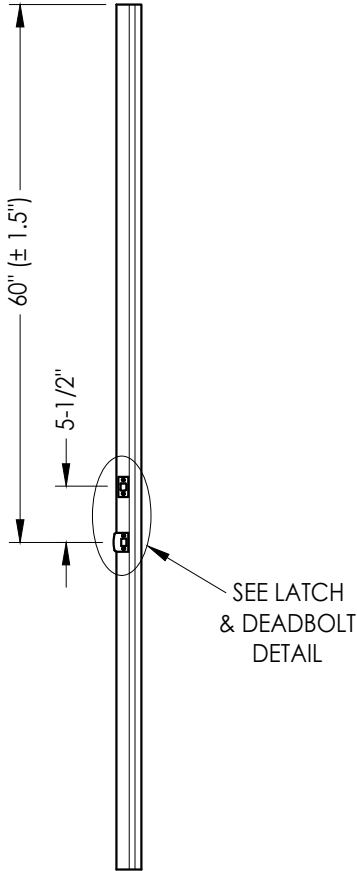
LATCH & DEADBOLT DETAIL
Schlage / Kwikset



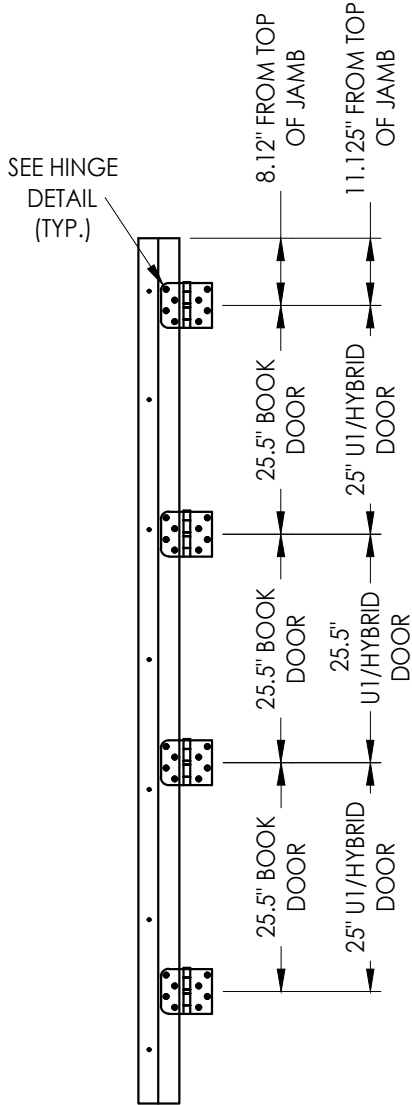
DETAIL 1
Coastal Astragal Strike Plate @ Head



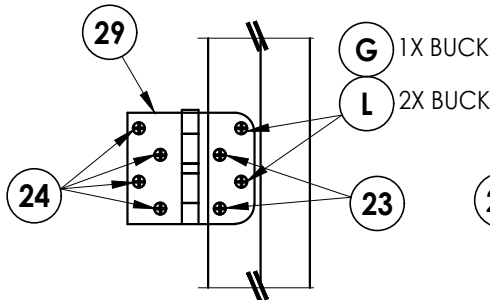
LATCH & DEADBOLT STRIKE DETAILS



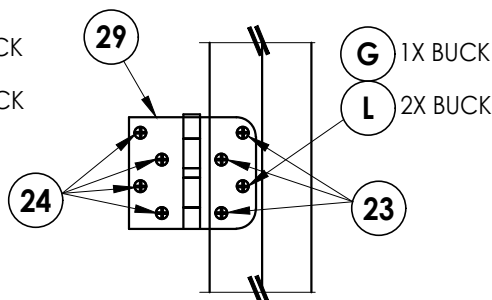
ASTRAGAL
Latch & Deadbolt



HINGE JAMB



HINGE DETAIL
Inswing



HINGE DETAIL
Outswing

PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:		HARDWARE DETAILS	
REVISONS			
NO.	DATE	BY	
2	7/01/26	UPDATE TO 9TH ED. (2026)	FBC LFS
1	7/27/23	UPDATE TO 8TH ED. (2023)	FBC LFS

DATE:	5/25/21
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-37183.12
SHEET	8 OF 10

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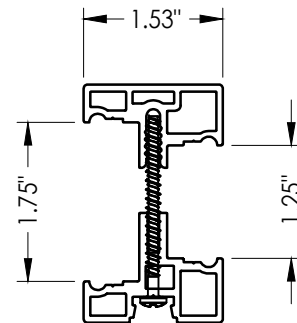
Diagram illustrating the cross-section of a window assembly, showing the exterior and interior views. The assembly includes the following components:

- DOW 995 GLAZING COMPOUND
- NORSEAL CLOSED CELL PVC FOAM
- EXTERIOR
- 1/2" GLASS BITE
- 1-1/4" O.A. THICK GLASS
- 1/8" ANNEALED GLASS
- 0.090" SAFLEX PVB INTERLAYER
- 1/8" ANNEALED GLASS
- BLIND INSERT
- AIR SPACE
- 1/8" TEMPERED GLASS
- INTERIOR
- 4A
- #10 X 2" PPH SMS
- FOAM SPACER w/ ALUM INSERT
- NORSEAL CLOSED CELL PVC FOAM

G1 **GLAZING DETAIL**
1-1/4" Insulated La

1-1/4" Insulated Laminated Glass
w/ Internal Blinds

4A ALUMINUM IMPACT LITE FRAME

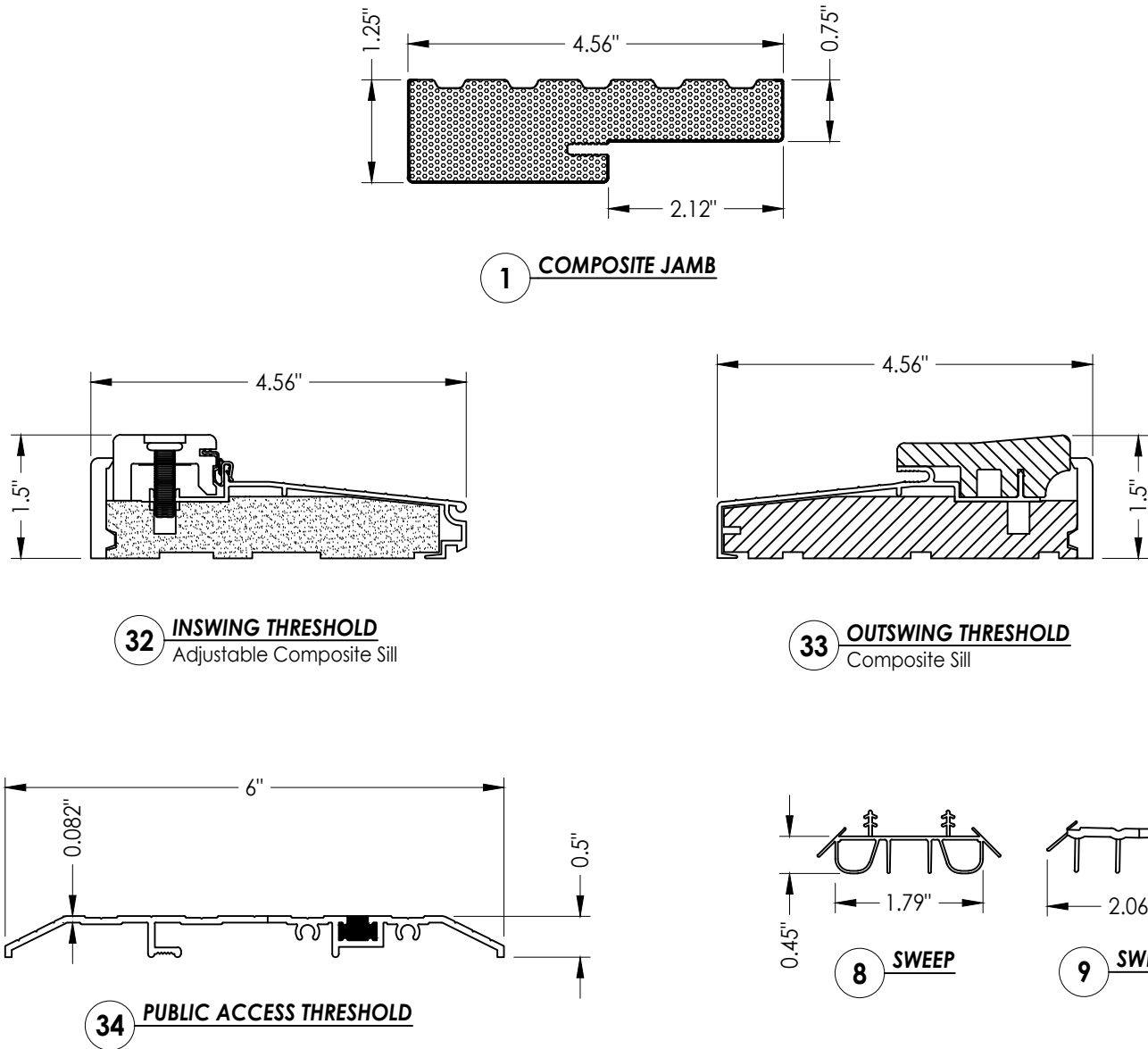
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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW 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
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
1	COMPOSITE JAMB	COMP
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
9	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL
10	#10 X 1-1/2" PPH SMS	STEEL
20	#8 X 2-1/2" PFH WOOD SCREW	STEEL
23	#9 X 3/4" PFH WOOD SCREW	STEEL
24	#9 X 1" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
32	INSWING THRESHOLD	ALUM/COMP
33	OUTSWING THRESHOLD	ALUM/COMP
34	PUBLIC ACCESS THRESHOLD	ALUM
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-
44	COASTAL ASTRAGAL (THERMA-TRU)	ALUM
80	COASTAL ASTRAGAL STRIKE PLATE	STEEL

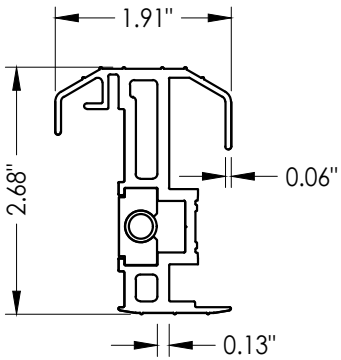


CORROSION RESISTANCE - SALTWATER ENVIRONMENTS
Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

- 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	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.



44. COASTAL ASTRAGAL

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

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

DATE: 5/25/21

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-37183.12

SHEET 10 OF 10