

GLAZED FIBERGLASS DOOR
w/ SIDELITES
OUTSWING
"IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) 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 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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.

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8	Buck & Frame Anchoring
9	Bill of Materials & Components

LFS

L. F. SCHMIDT

LICENSE

No. 43409

★

STATE OF FLORIDA

PROFESSIONAL ENGINEER

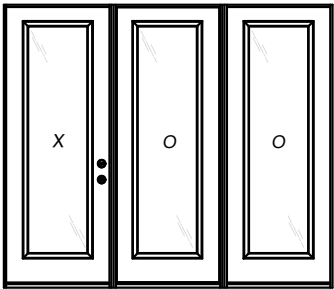
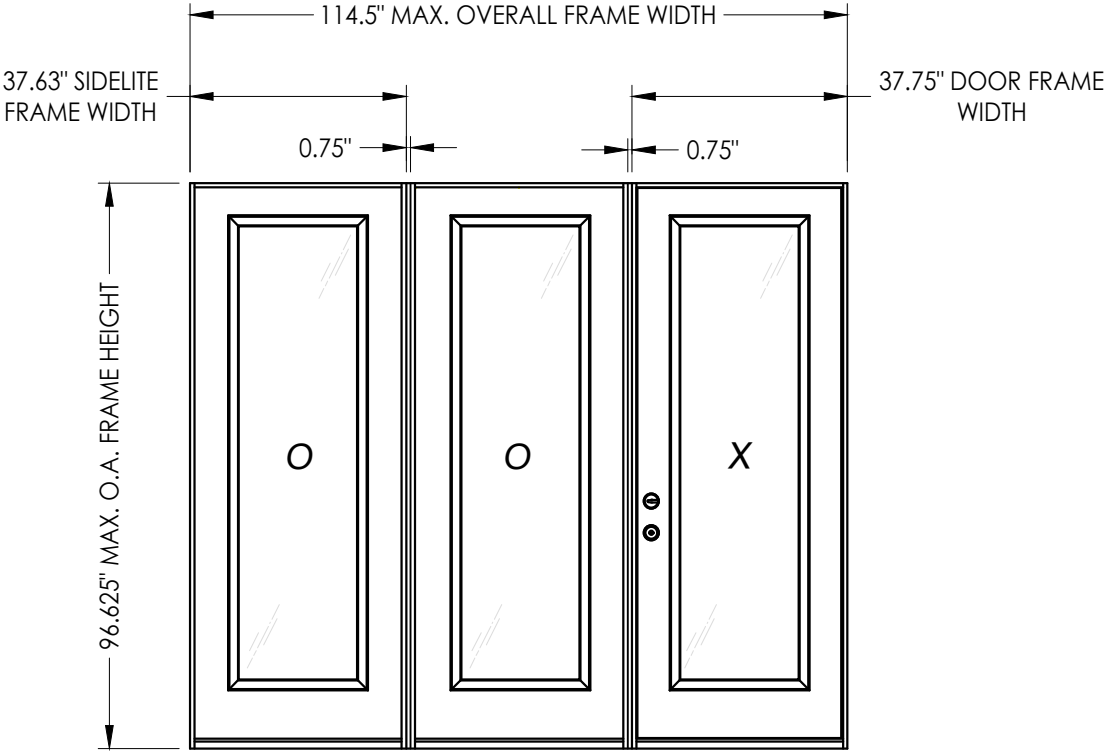
Digitally signed by Lyndon F Schmidt

Date: 2023.07.24 15:12:24 -04'00'

This item has been digitally signed and sealed by L. F. Schmidt, P.E. on the date adjacent to the seal.

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THIS PRODUCT APPROVAL IS VALID ONLY FOR THE STATE OF FLORIDA



CONFIGURATION	MAX. FRAME DIMENSION	DOOR GLAZING TYPE	DOOR GLAZING MAX. D.I.O.	DESIGN PRESSURE (PSF) Latch & Deadbolt	
				POSITIVE	NEGATIVE
OOX, XOO	114.5" x 96.625"	INSERT LITE FRAME GLAZING	20.88" X 78.88"	+50.0	-55.0

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

PRODUCT:

THERMA TRU

PART OR ASSEMBLY:

TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

2

7/24/23

UPDATE TO 8TH ED. (2023) FBC

LFS

1

8/18/20

UPDATE TO 7th ED. (2020) FBC

DAC

NO.

DATE

BY

REVISIONS

DATE: 12/10/19

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-30925.3

SHEET 1 OF 9

RW

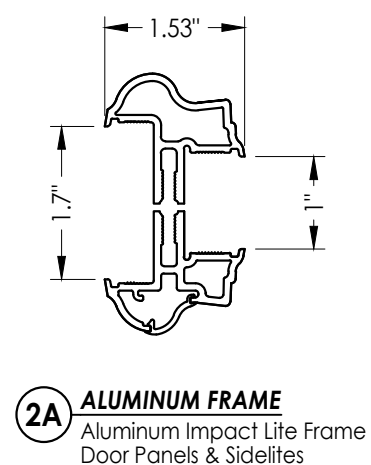
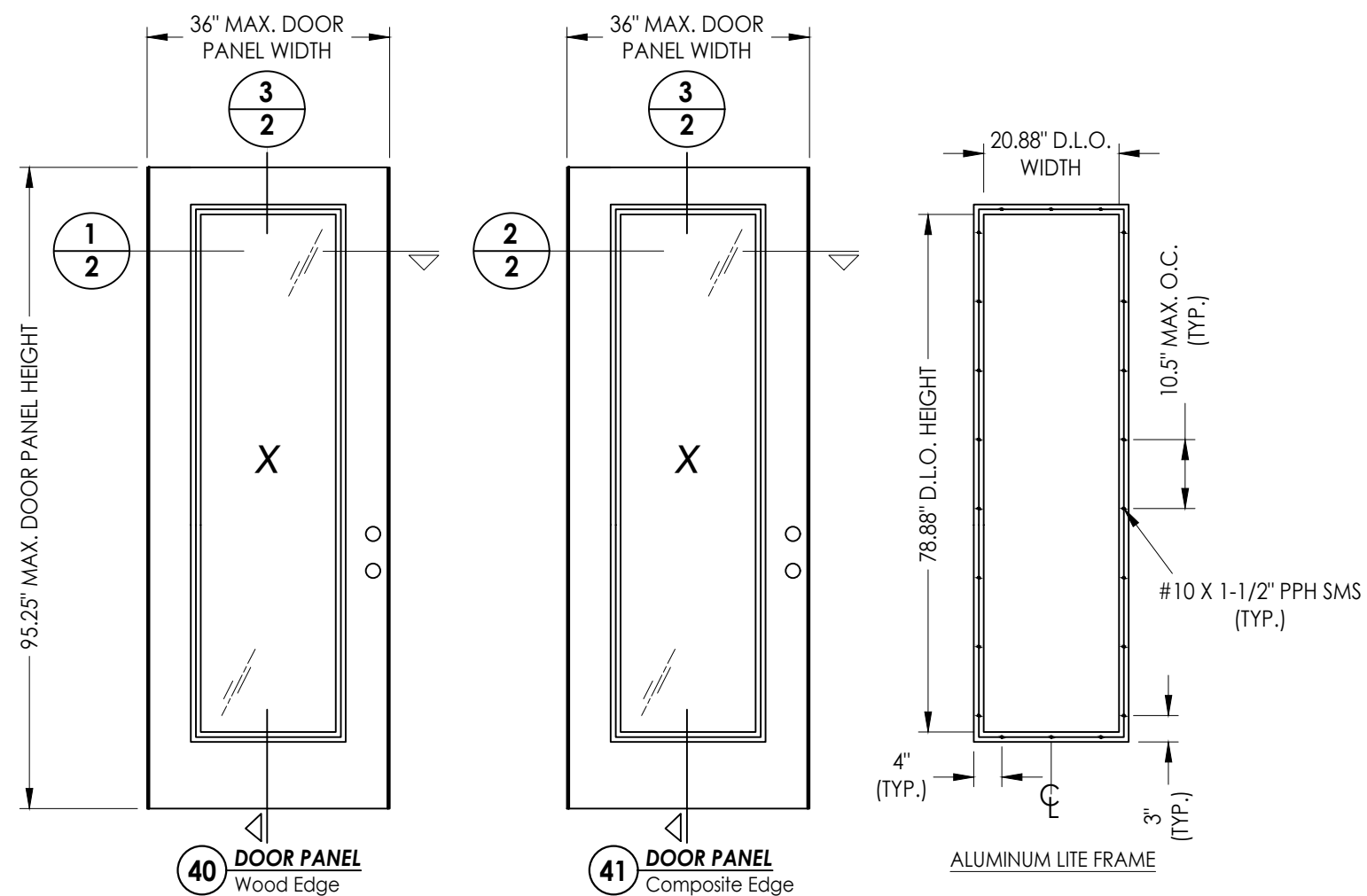
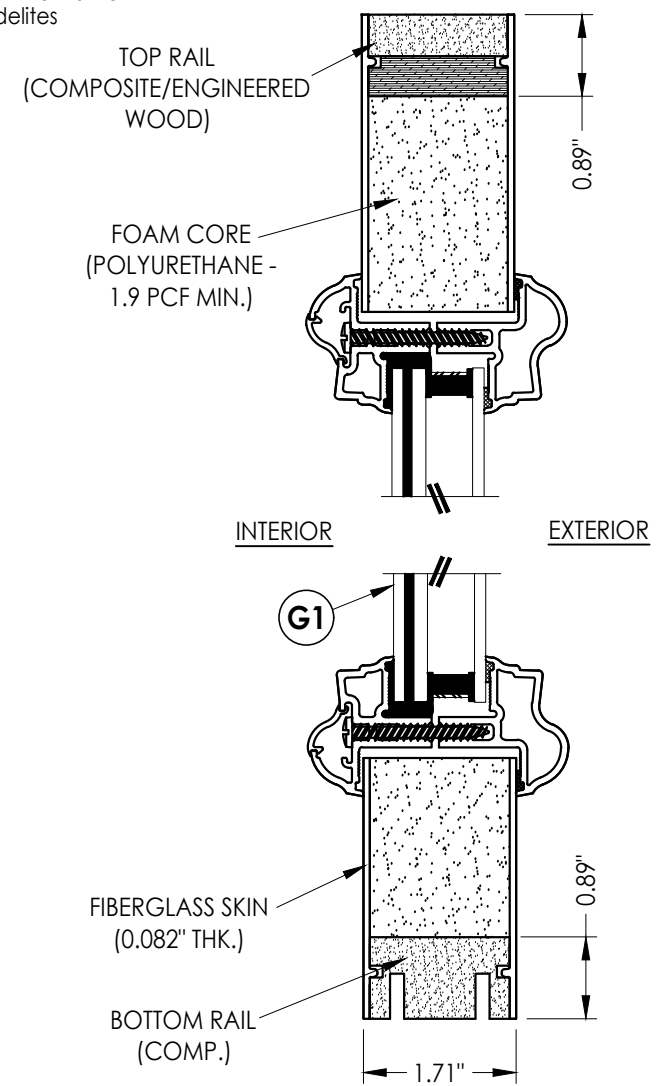
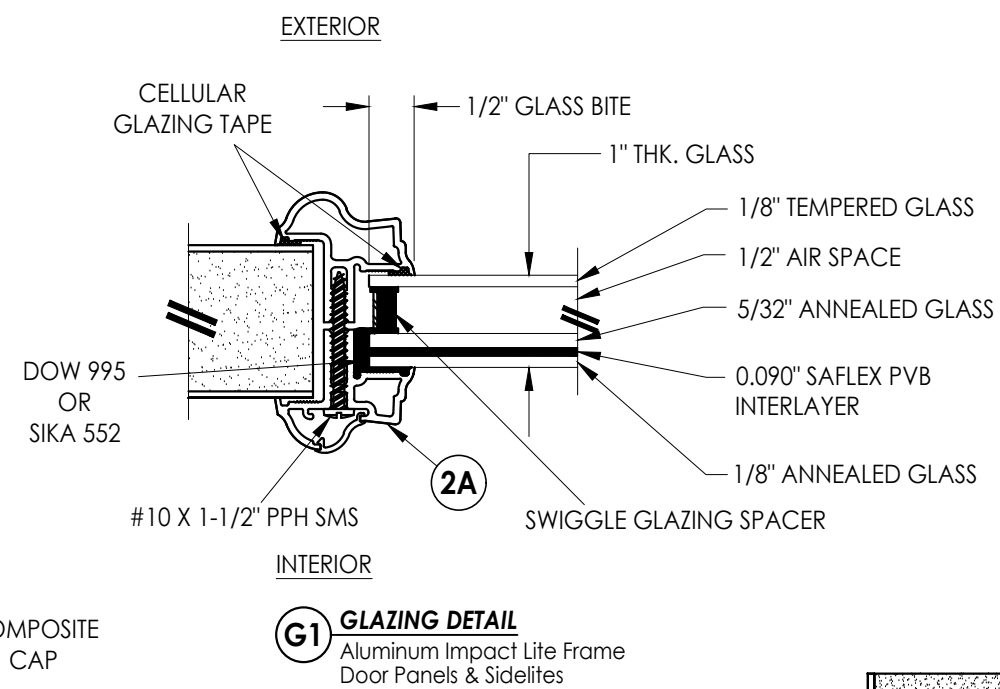
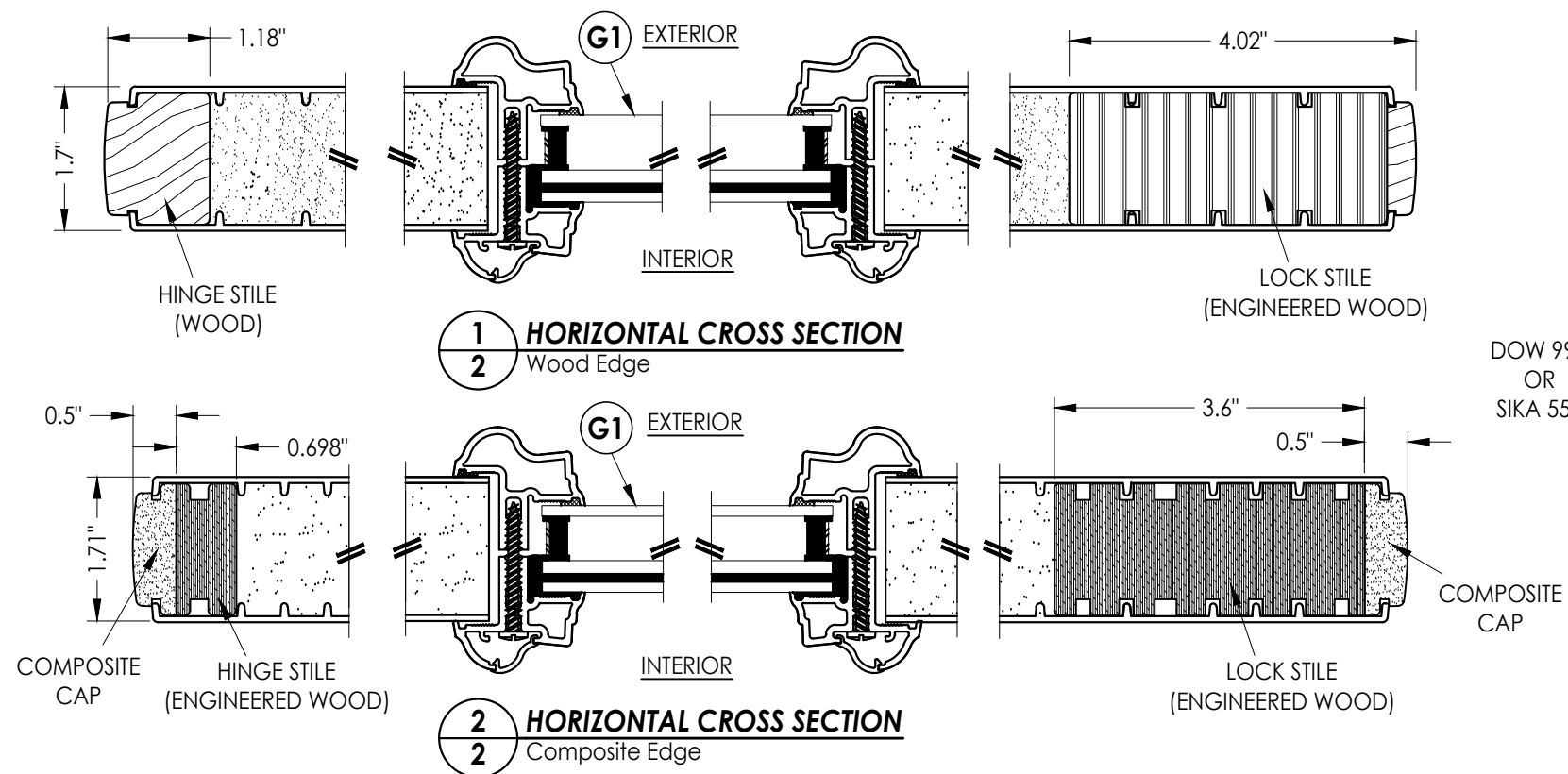
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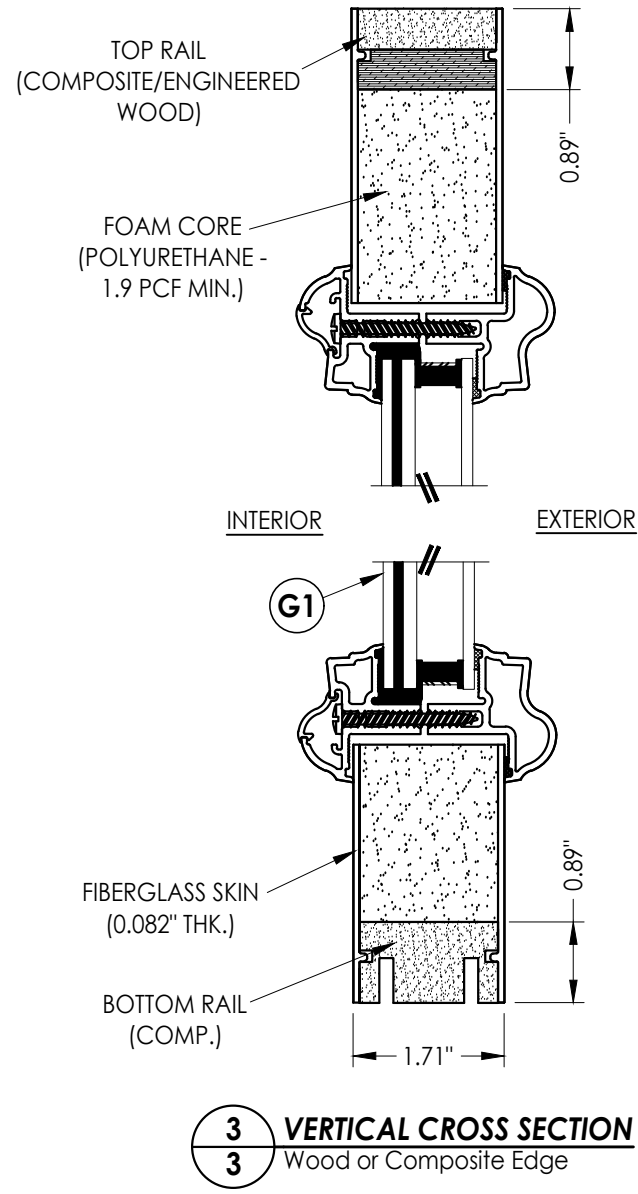
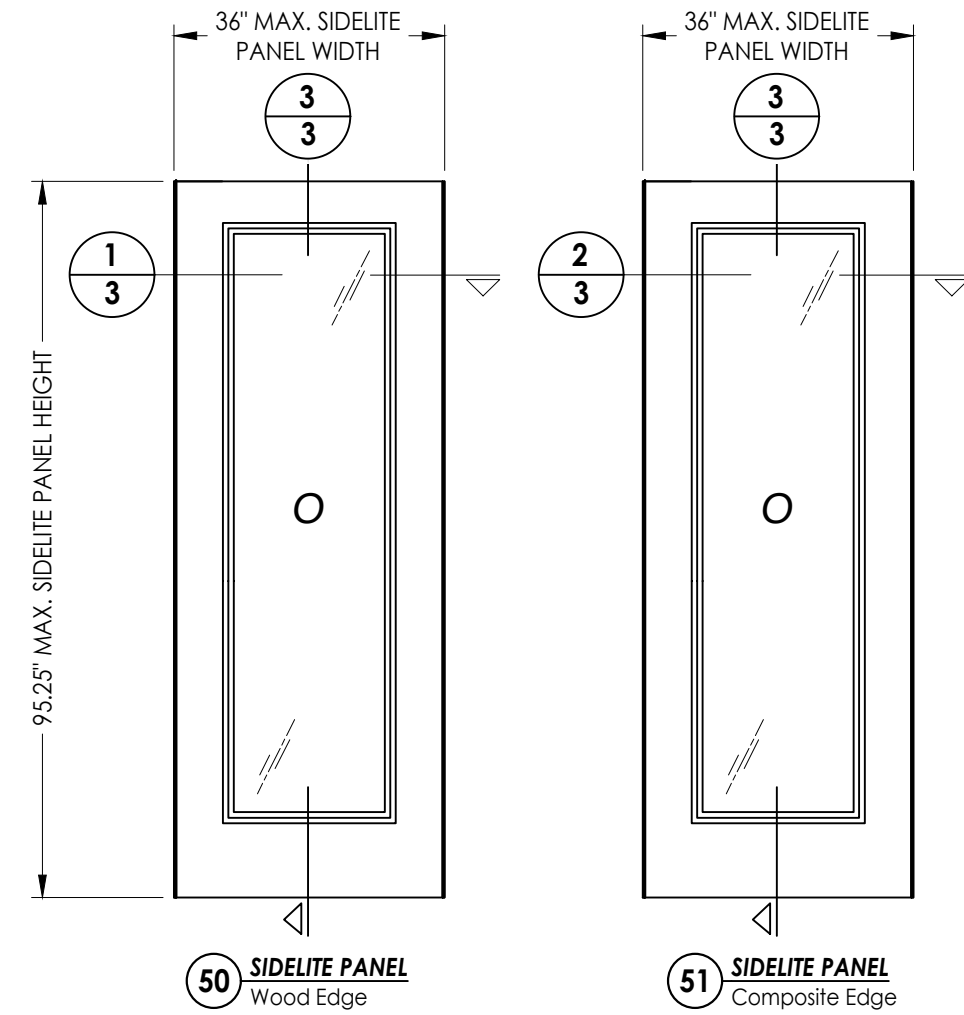
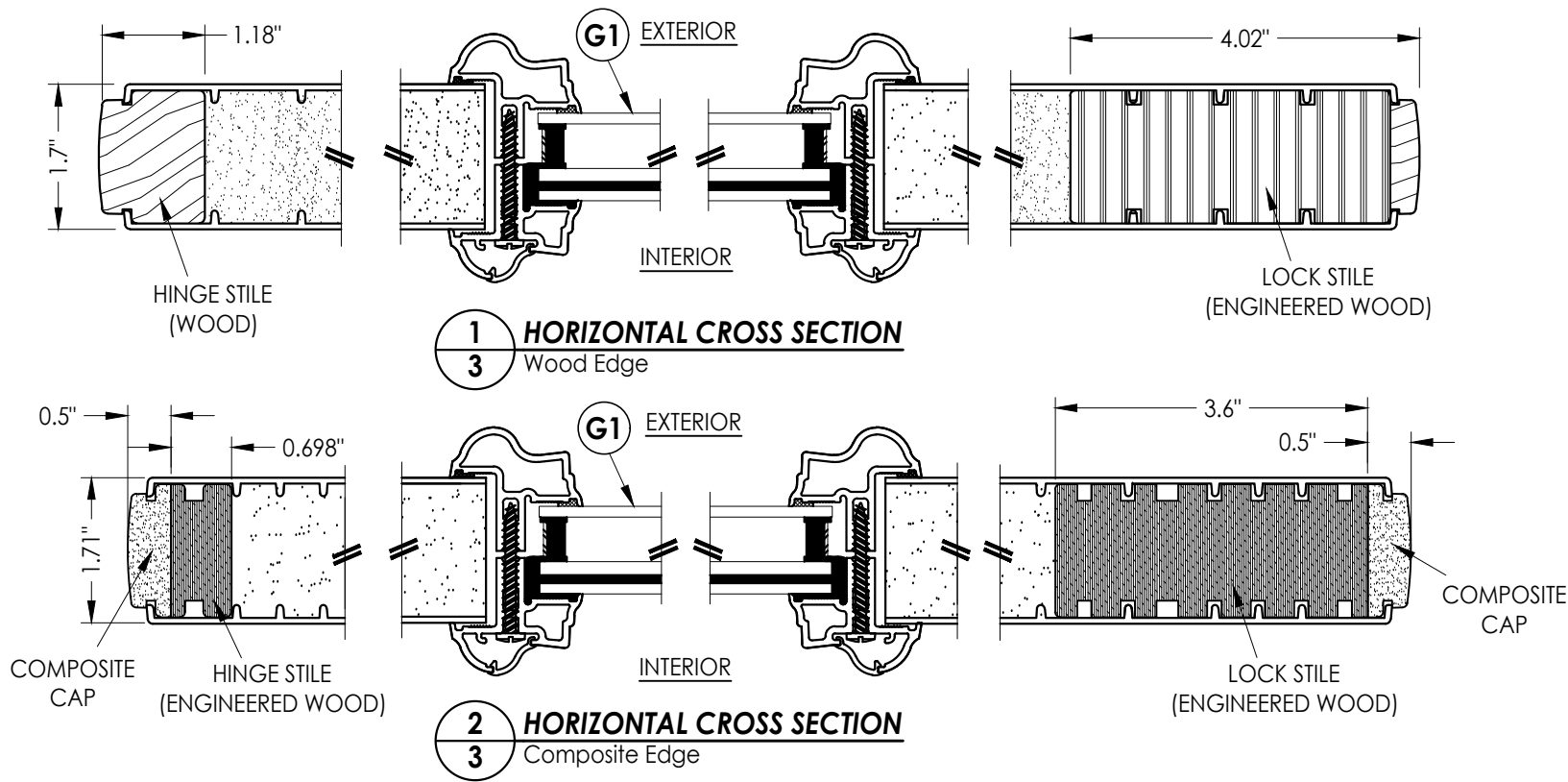
Phone No.: 813.659.9197

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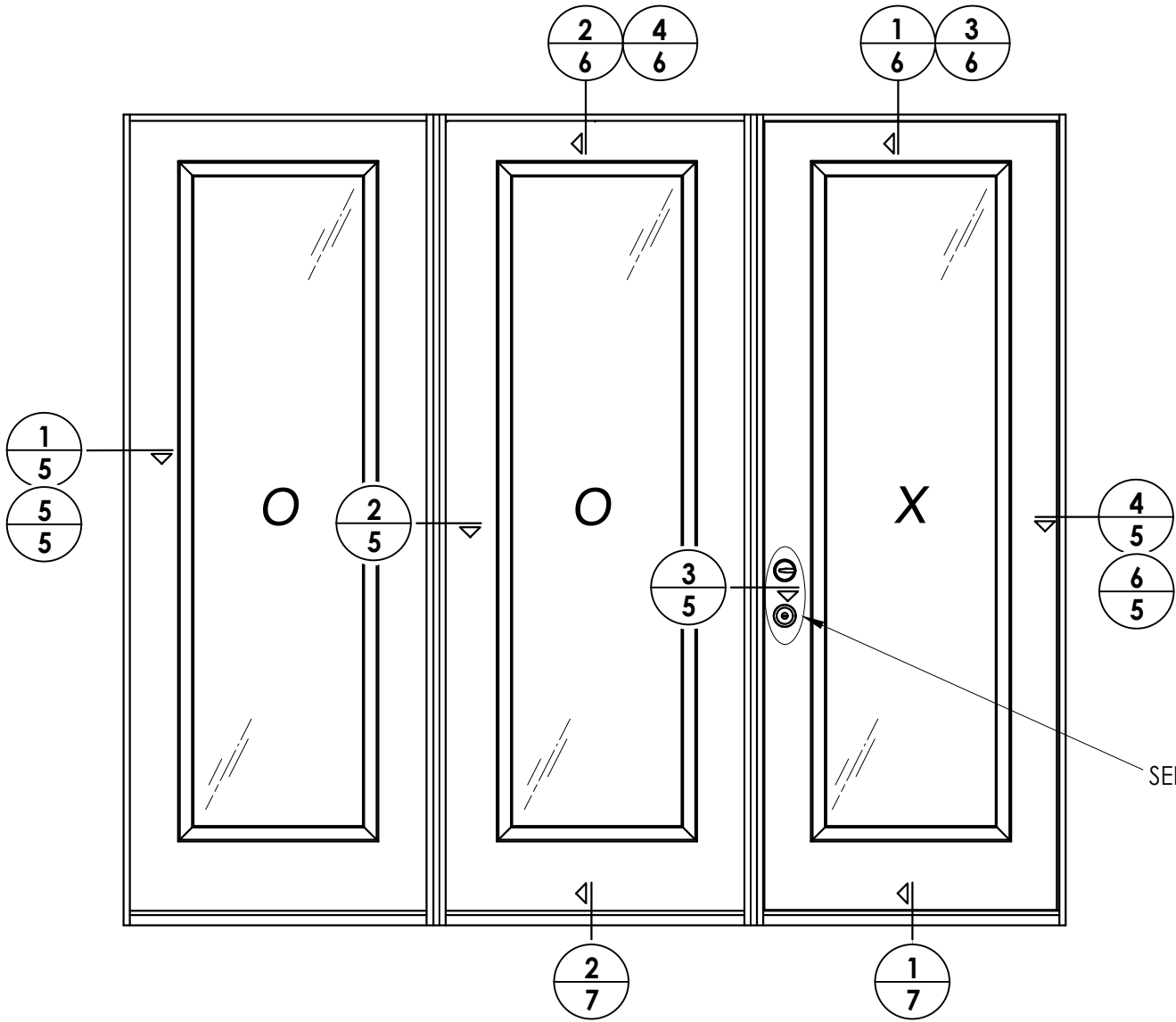
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Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				RW BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: THERMA-TRU		PART OR ASSEMBLY: SIDELITE PANEL DETAILS					
				LFS	FBC		
				DAC	FBC		
				BY			
				REVISIONS			
				NO.	DATE		
			2	7/24/23	UPDATE TO 8TH ED. (2023)	FBC	
			1	8/18/20	UPDATE TO 7th ED. (2020)	FBC	
DATE: 12/10/19							
SCALE: N.T.S.							
DWG. BY: RW							
CHK. BY: LFS							
DRAWING NO.: FL-30925.3							
SHEET 3 OF 9							

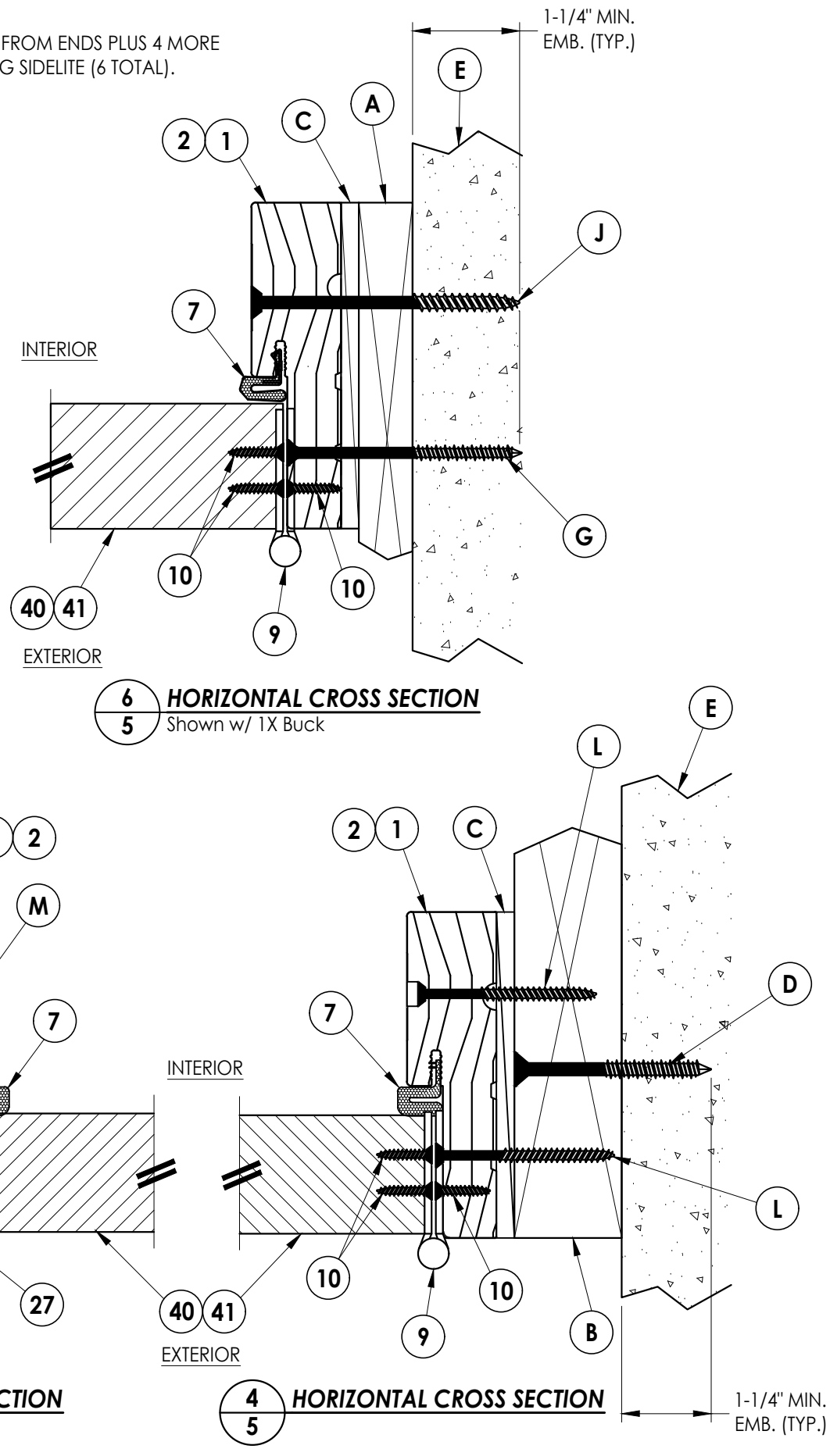
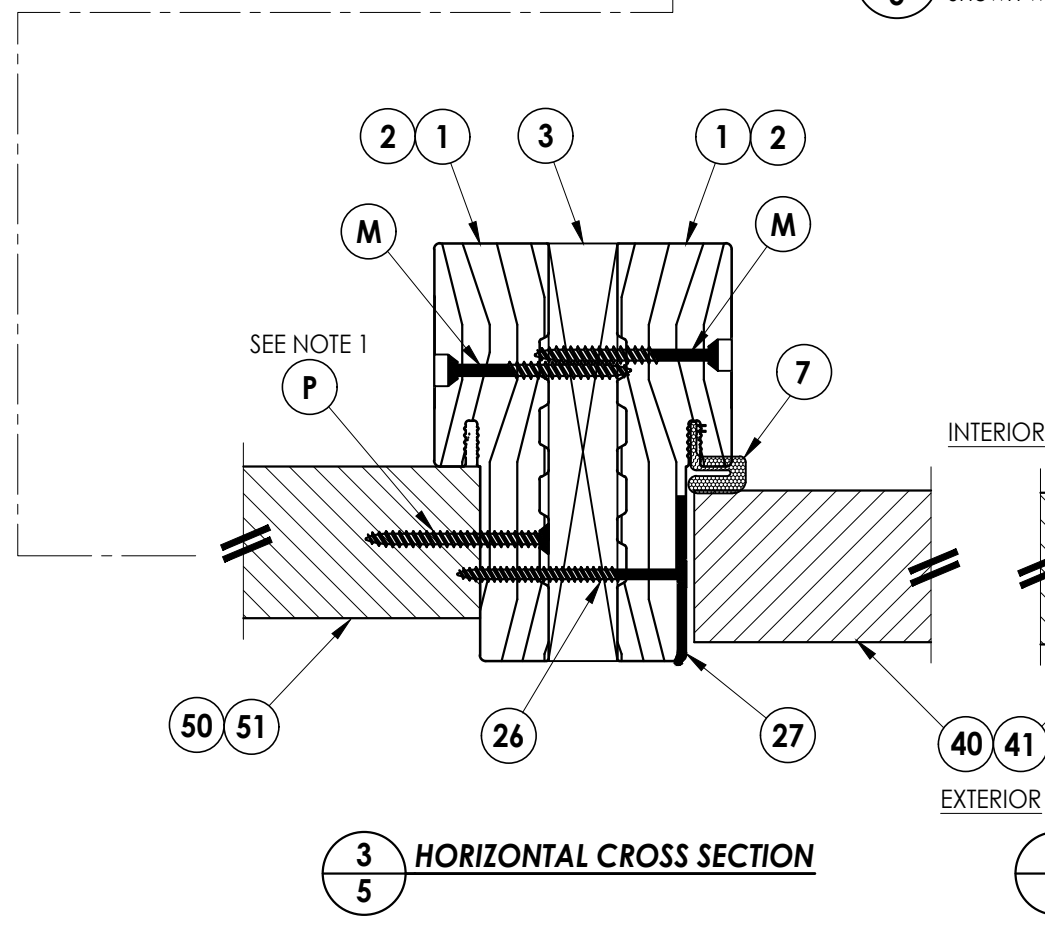
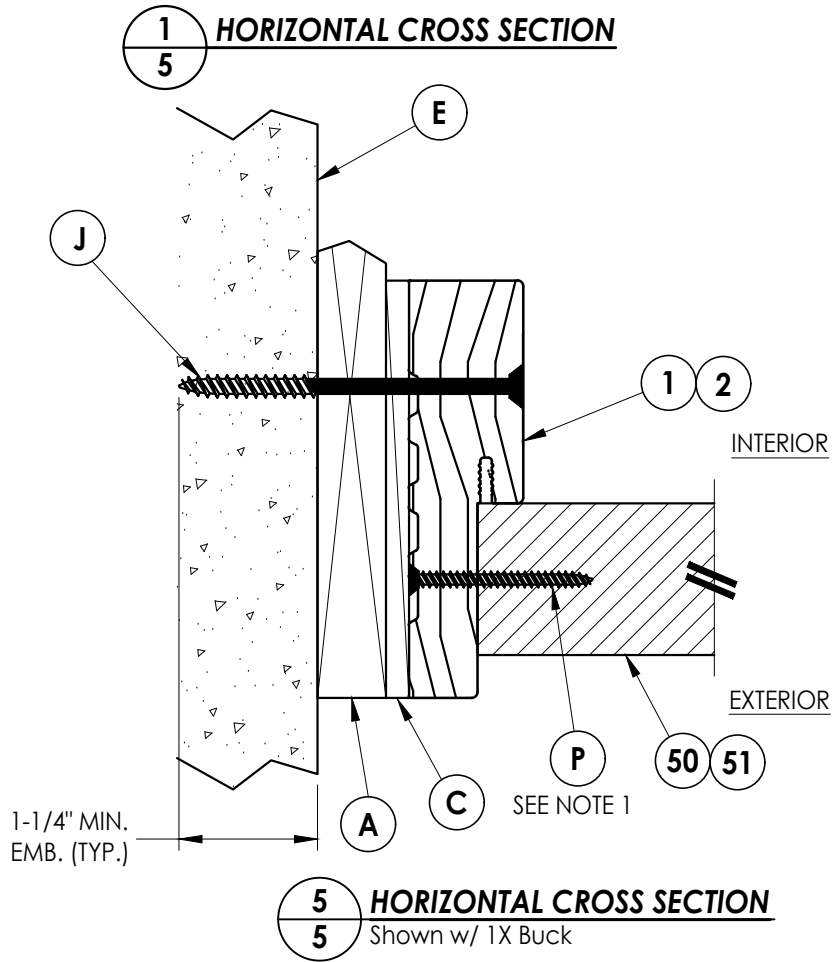
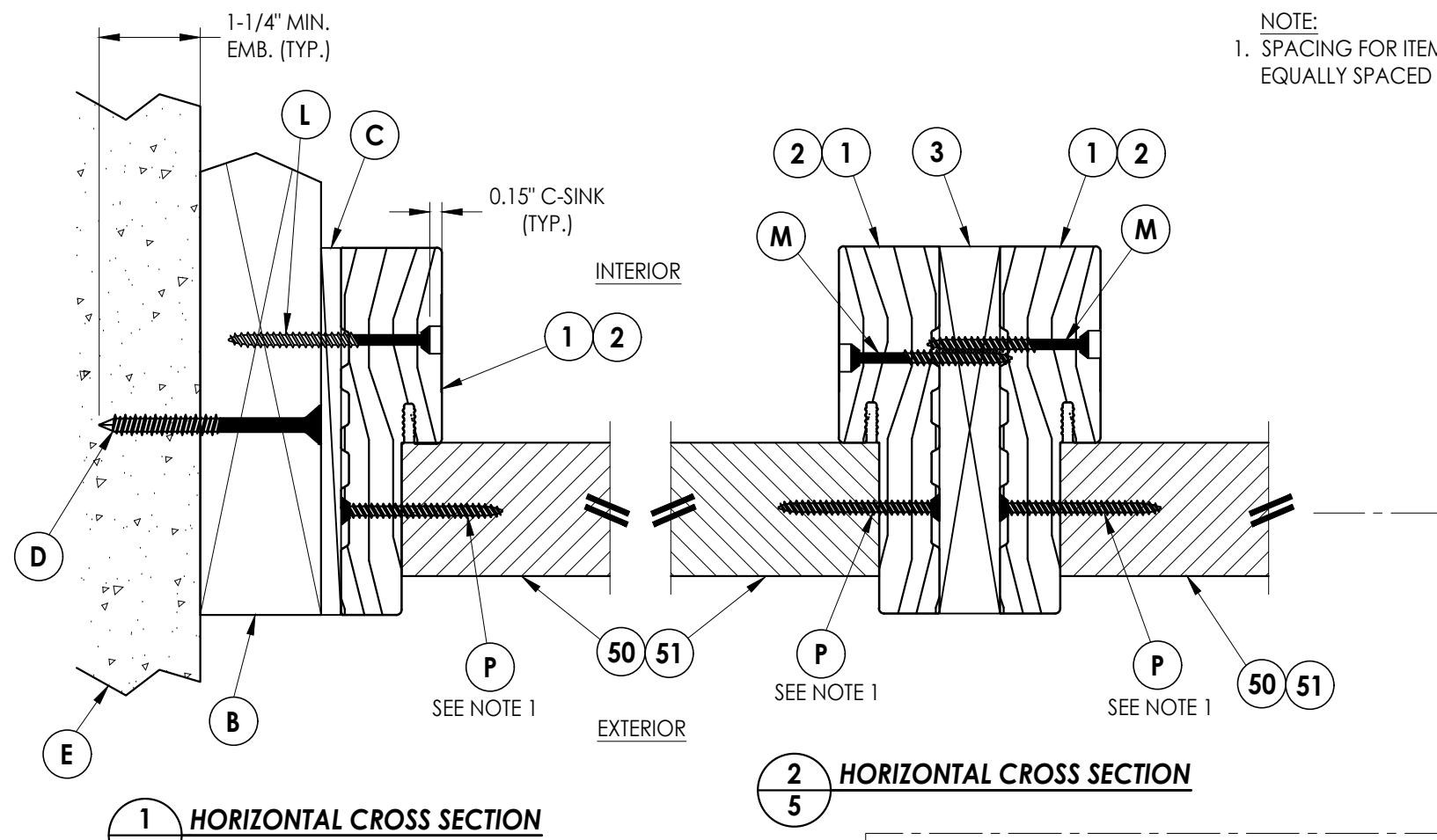
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ELEVATION
OOX, XO

HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	Knob:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)

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PRODUCT: THERMA-TRU		PART OR ASSEMBLY: ELEVATION	



NOTE:
1. SPACING FOR ITEM P: 6" FROM ENDS PLUS 4 MORE EQUALLY SPACED ALONG SIDELITE (6 TOTAL).

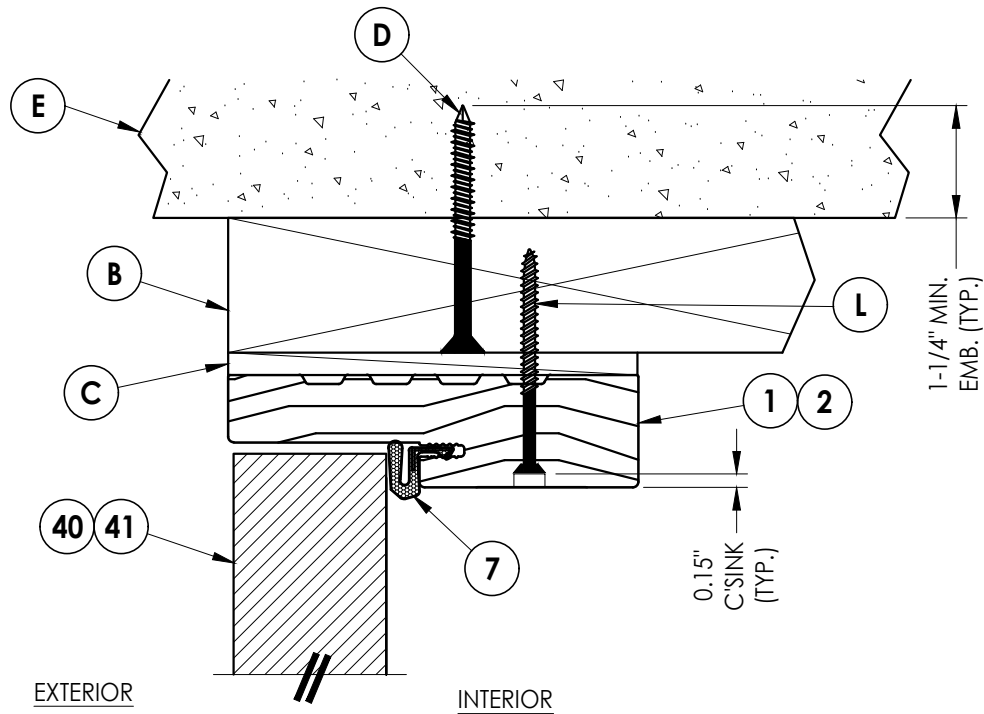
DATE: 12/10/19		PRODUCT: THERMA-TRU	
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-30925.3			
SHEET 5 OF 9	2	7/24/23	UPDATE TO 8TH ED. (2023) FBC
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	NO.	DATE	BY
	REVISIONS		
	PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS		

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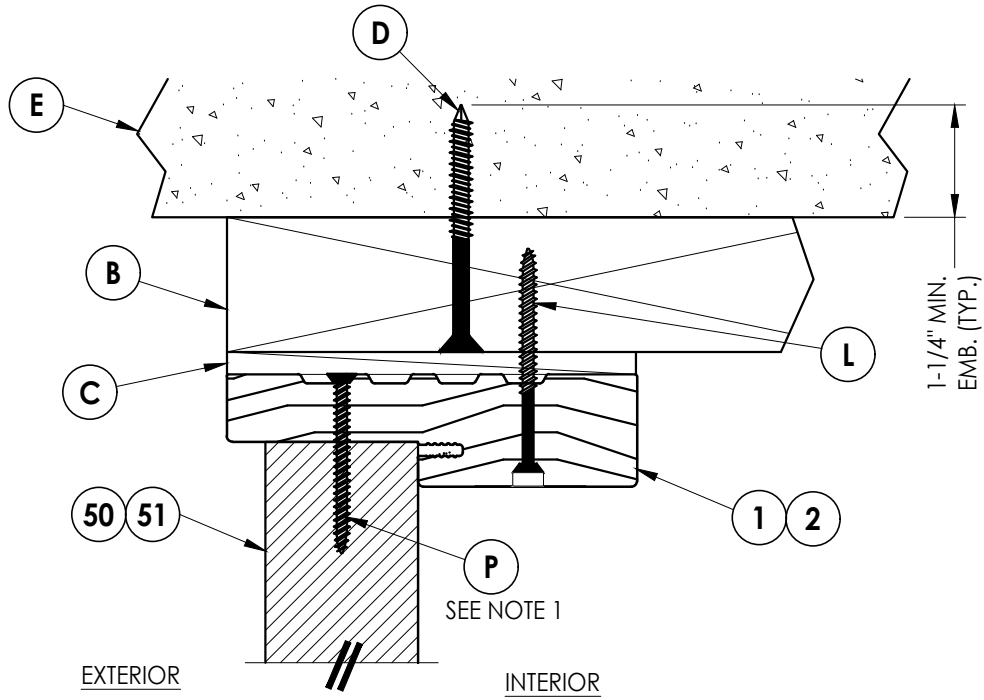
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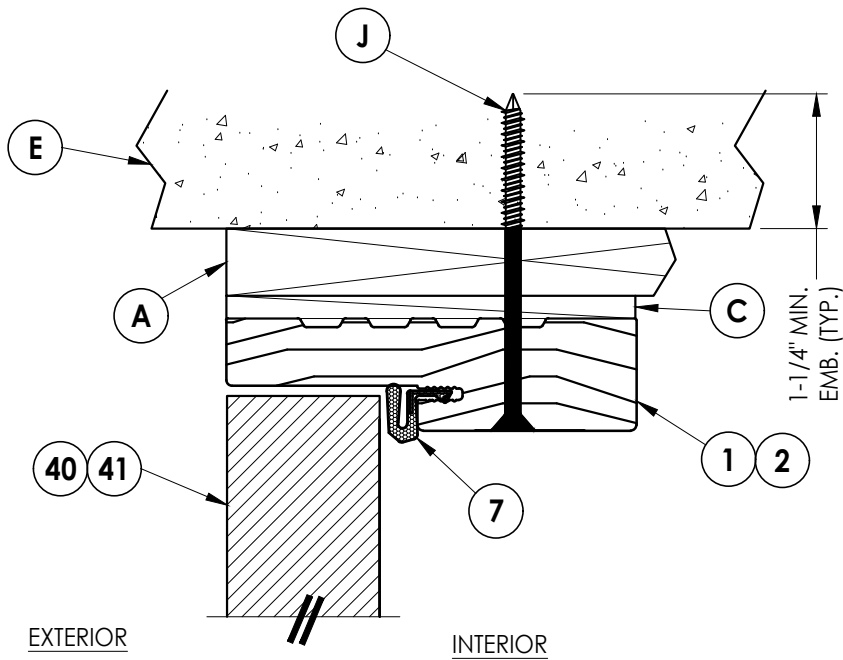
NOTE:
1. SPACING FOR ITEM P: 4" FROM ENDS (2 TOTAL).



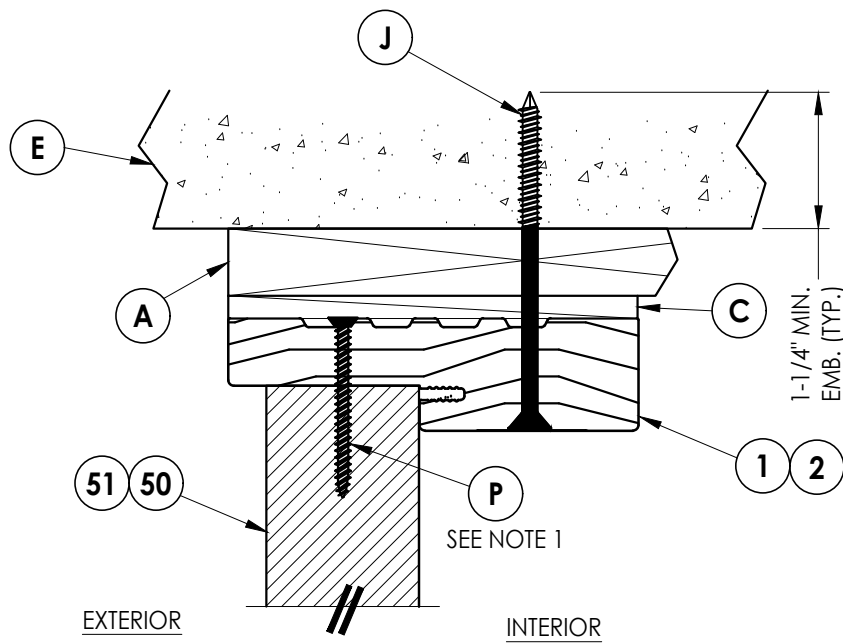
1
6 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck



2
6 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck



3
6 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck



4
6 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck

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

PRODUCT: THERMA-TRU

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

NO.	DATE	BY	REVISIONS
2	7/24/23	LFS	UPDATE TO 8TH ED. (2023) FBC
1	8/18/20	DAC	UPDATE TO 7th ED. (2020) FBC

DATE: 12/10/19

SCALE: N.T.S.

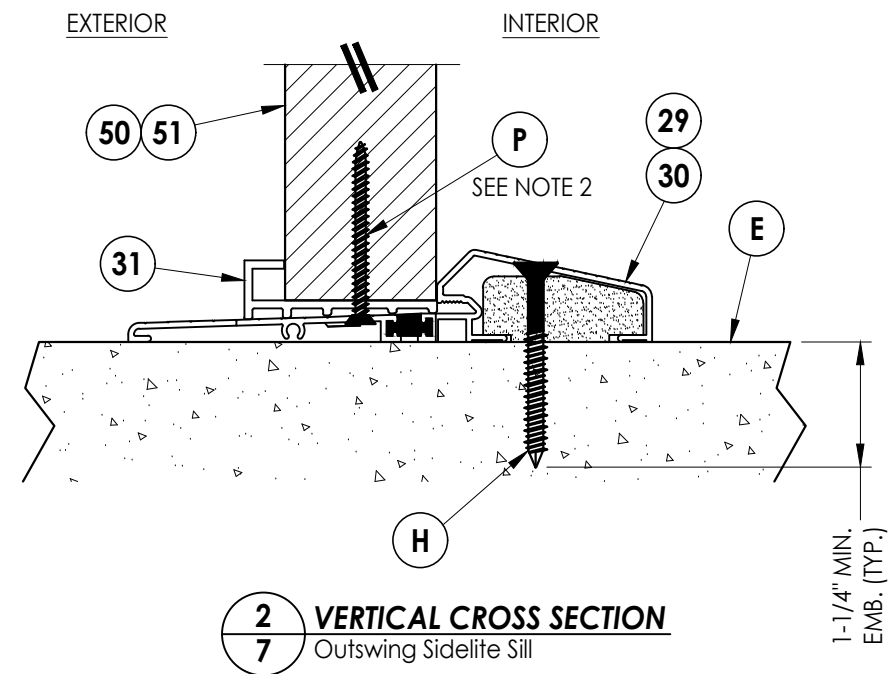
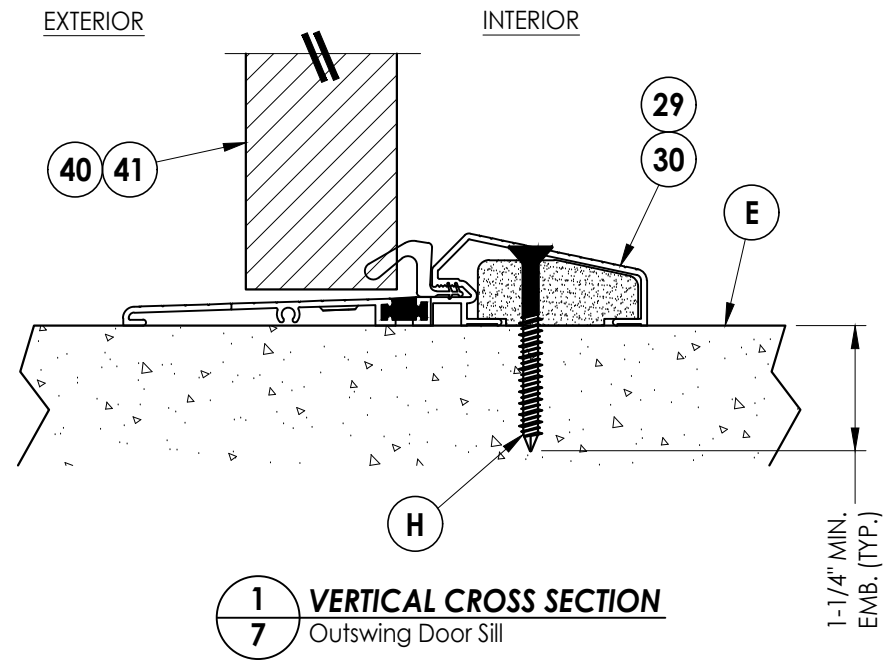
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-30925.3

SHEET 6 OF 9

1. SILL ITEM #30 IS ATTACHED TO JAMBS w/ (3) #8 X 2-1/2" PFH SCREWS AT EACH END.
2. SPACING FOR ITEM P: 4" FROM ENDS (2 TOTAL).

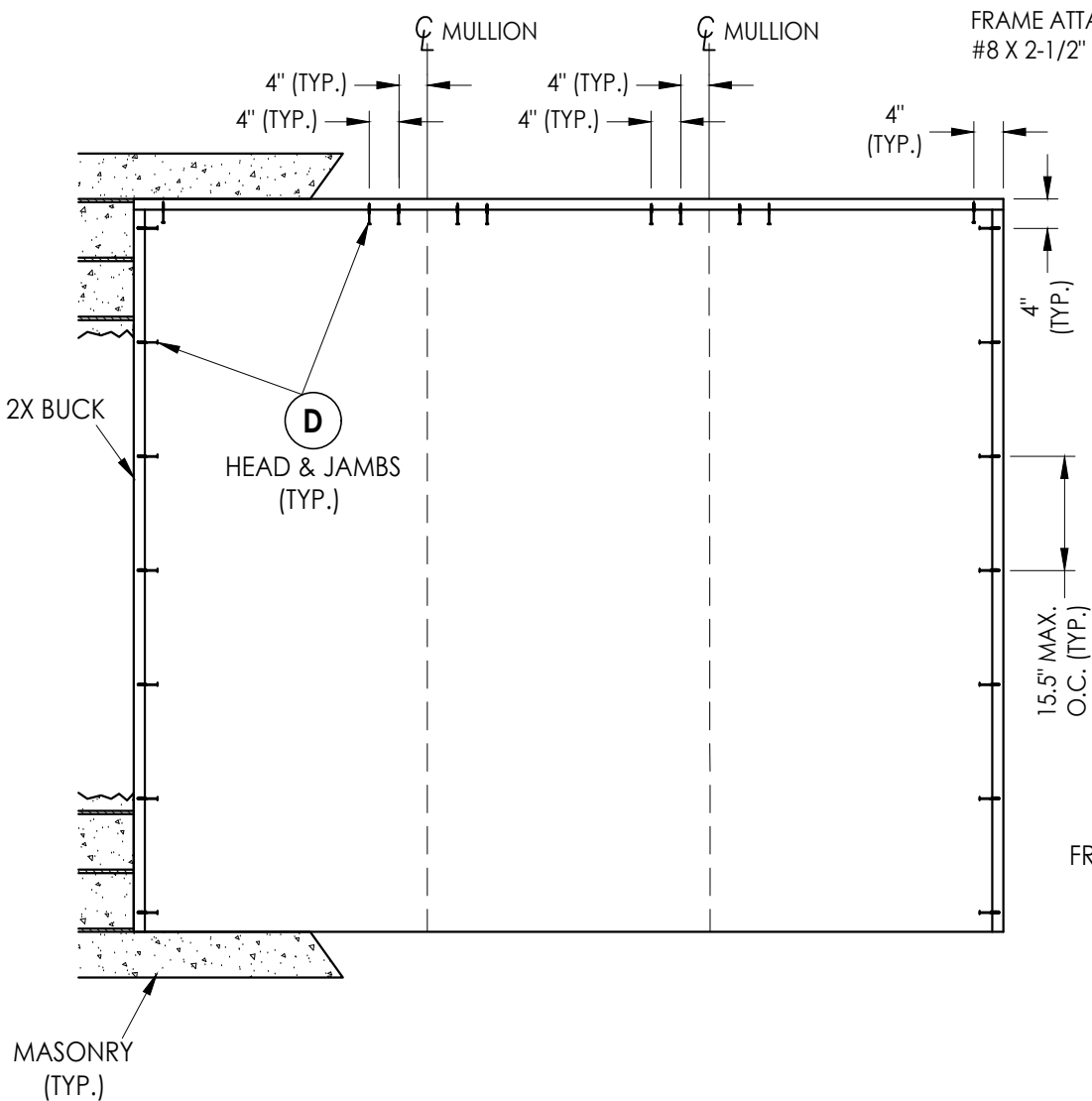
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PRODUCT:	THERMA-TRU
PART OR ASSEMBLY:	VERTICAL CROSS SECTIONS

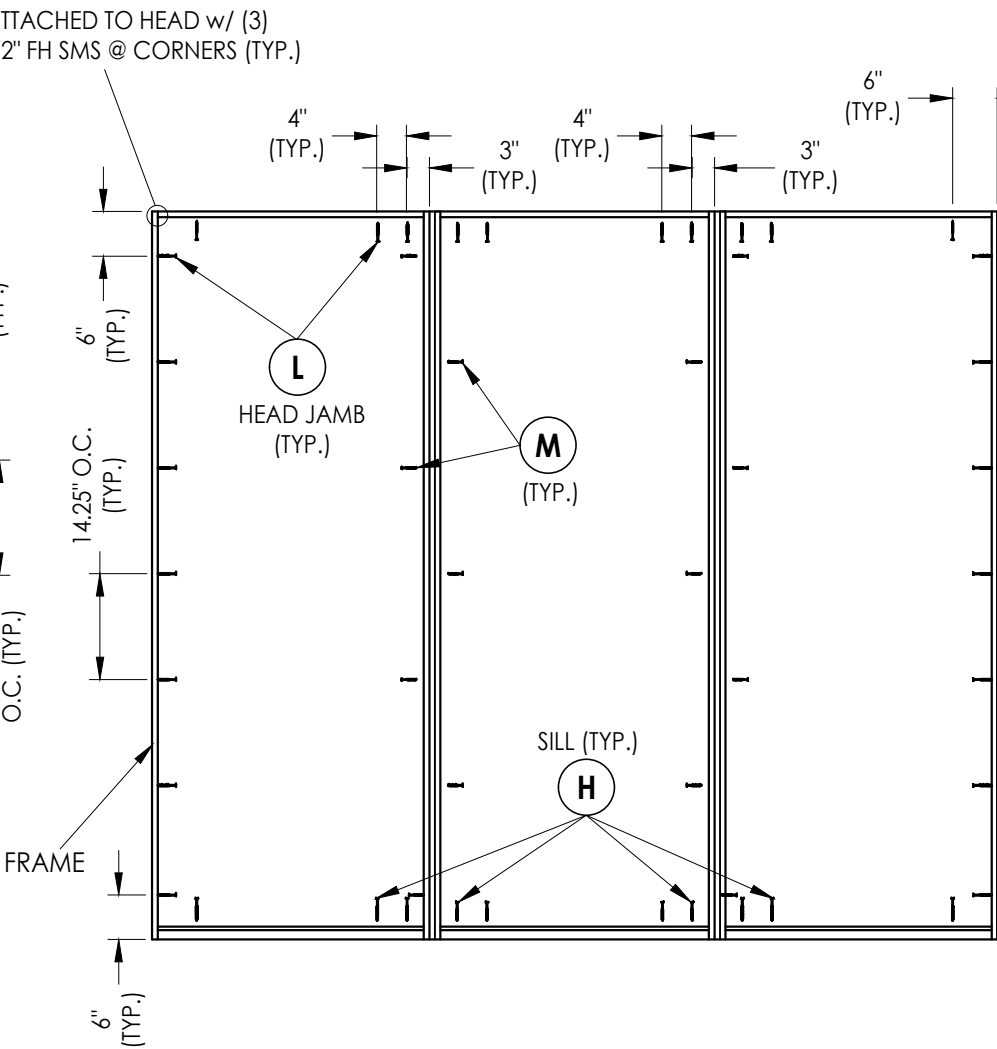
Documents Prepared By:
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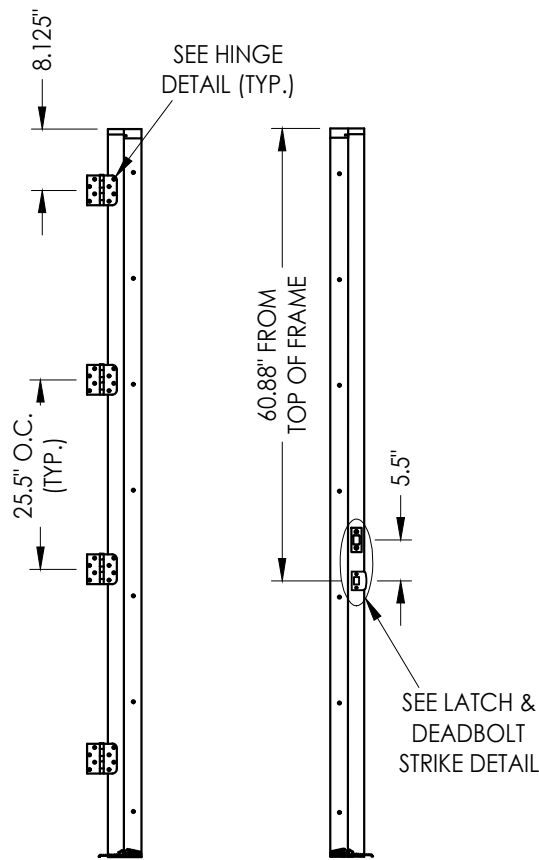
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2X BUCK ANCHORING



FRAME ANCHORING



HINGE JAMB

STRIKE JAMB

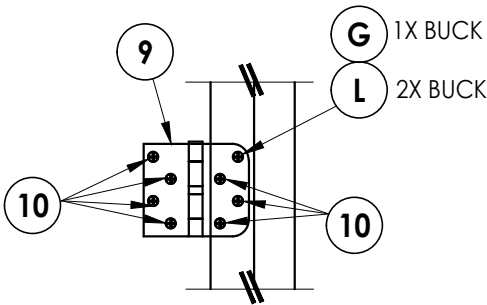
CONCRETE ANCHOR NOTES:

- 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:

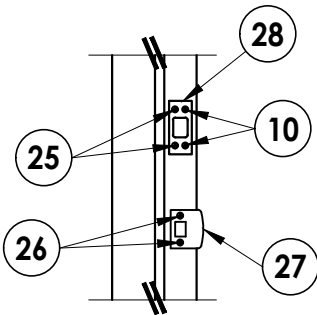
ANCHOR TYPE	ANCHOR SIZE	MIN. EMBEDMENT	MIN. CLEARANCE TO MASONRY EDGE	MIN. CLEARANCE TO ADJACENT ANCHOR
ITW TAPCON®	1/4"	1-1/4"	2"	4"
DeWALT ULTRA CON®	1/4"	1-1/4"	1"	4"
ITW TAPCON®	3/16"	1-1/4"	3"	1-1/2"

WOOD SCREW INSTALLATION NOTES:

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



HINGE DETAIL



LATCH & DEADBOLT STRIKE DETAIL

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

PRODUCT:
THERMA TRU

PART OR ASSEMBLY:
BUCK & FRAME ANCHORING

NO.	DATE	REVISIONS
2	7/24/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	8/18/20	UPDATE TO 7th ED. (2020) FBC DAC

DATE: 12/10/19

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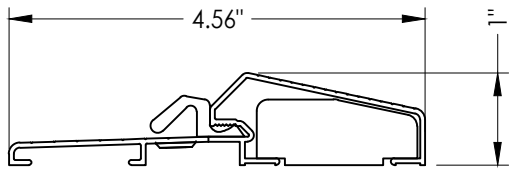
DWG. BY: JK

CHK. BY: LFS

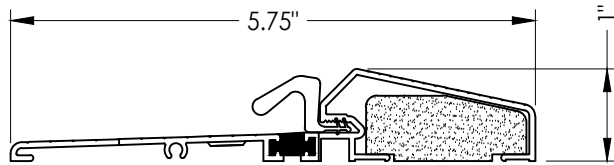
DRAWING NO.: FL-30925.3

SHEET 8 OF 9

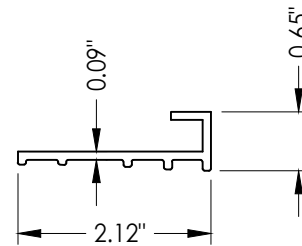
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	1/4" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	#10 X 2" PFH WOOD SCREW	STEEL
P	#8 X 2" PFH WOOD SCREW	STEEL
1	WOOD JAMB (FINGER JOINT PINE: 4-9/16")	WOOD
2	WOOD JAMB (FINGER JOINT PINE: 6-9/16")	WOOD
3	1X REINFORCEMENT (S.G. >= 0.55)	WOOD
7	WEATHERSTRIP	FOAM
9	4" X 4" HINGE	STEEL
10	#10 X 3/4" PFH WOOD SCREW	STEEL
25	#12 X 2-1/2" PFH WOOD SCREW	STEEL
26	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT PLATE	STEEL
29	OUTSWING THRESHOLD	ALUM/COMP
30	OUTSWING THRESHOLD	ALUM/COMP
31	OUTSWING SILL SIDELITE SEAT	ALUM
40	DOOR PANEL (WOOD EDGE)	-
41	DOOR PANEL (COMPOSITE EDGE)	-
50	SIDELITE PANEL (WOOD EDGE)	-
51	SIDELITE PANEL (COMPOSITE EDGE)	-



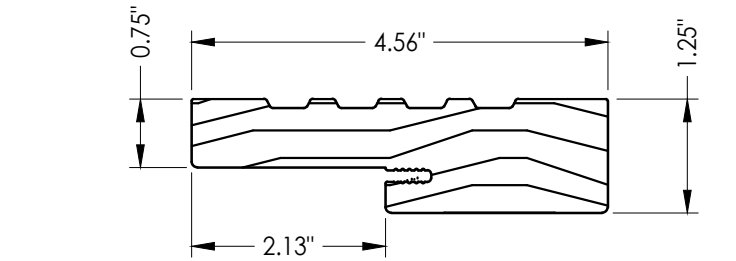
29 **OUTSWING THRESHOLD**
Composite / Aluminum Sill
(Shown without Thermal Break)
(Available with Thermal Break)



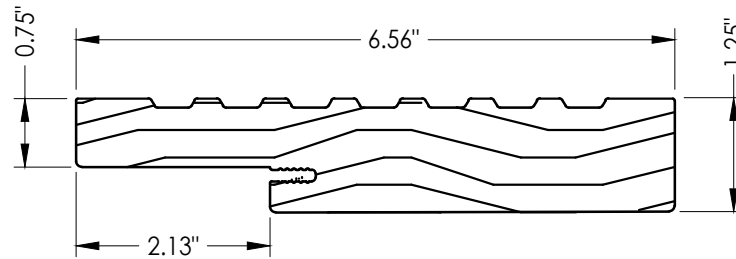
30 **OUTSWING THRESHOLD**
Composite/Aluminum Sill
(Shown with Thermal Break)
(Available without Thermal Break)



31 OUTSWING SILL SIDELITE SEAT



1 WOOD JAMB (4-9/16")



2 WOOD JAMB (6-9/16")

NOTE: 4-9/16" WOOD JAMB SHOWN IN CROSS SECTIONS
(6-9/16" WOOD JAMB OPTIONAL).

2	7/24/23	UPDATE TO 8TH ED.	(2023)	FBC LFS
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NO.	DATE			
REVISIONS				

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SCALE: N.T.S.

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SHEET 9 OF 9

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PRODUCT:

THERMA TRU

PART OR ASSEMBLY:

BILL OF MATERIAL & COMPONENTS