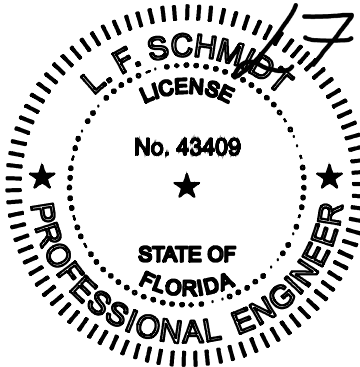


WOOD EDGE
GLAZED STEEL SINGLE DOOR
w/ SIDELITES
OUTSWING
"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including 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 the "HVHZ" this product is required to be protected with an impact resistant covering that complies with Section 1626 of the FBC.
4. When used in areas outside of the "HVHZ" 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 .
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. This product meets water infiltration requirements for "HVHZ".
8. When used in the "HVHZ", steel must be protected as specified in FBC Section 2222.6.

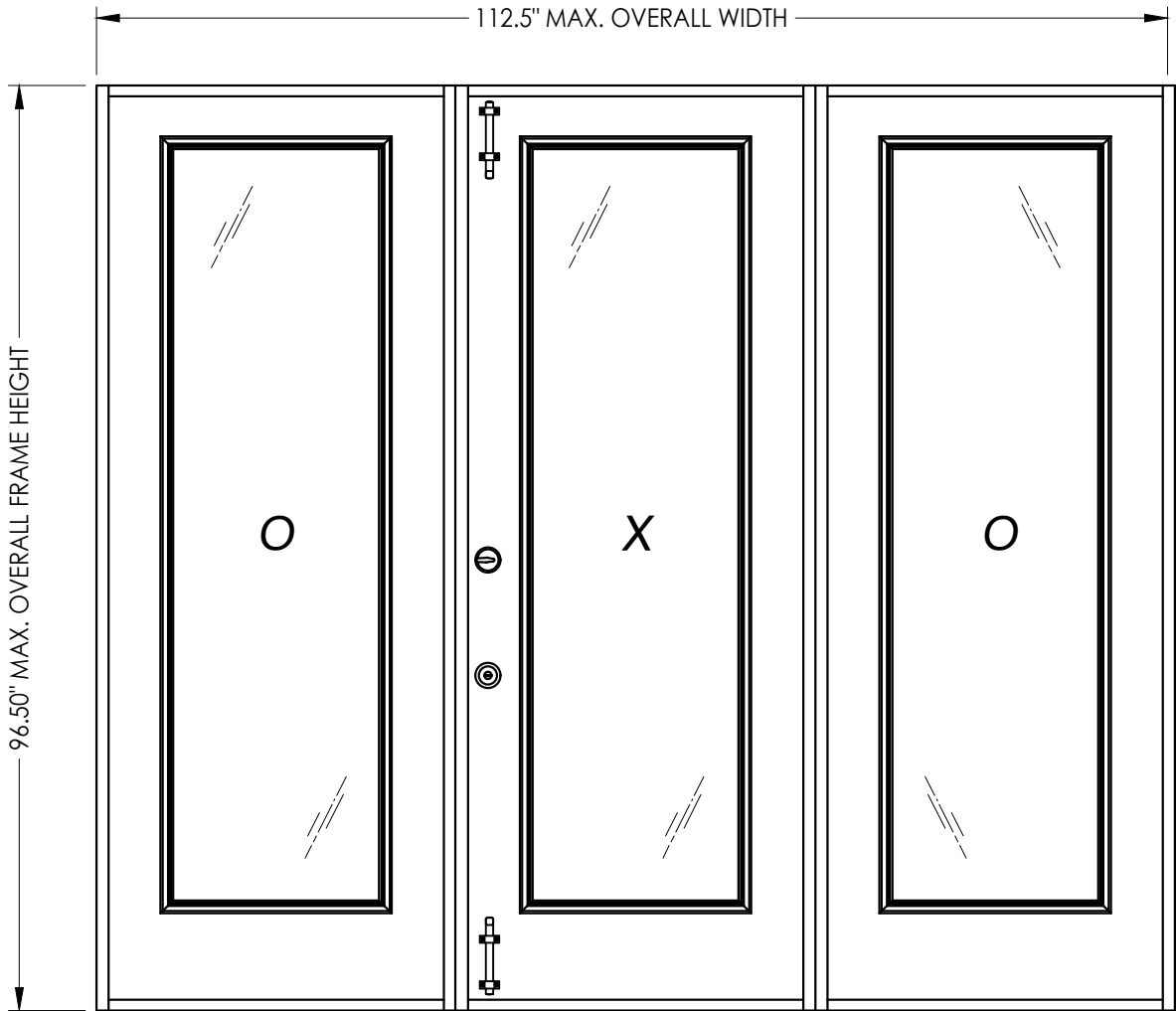
TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
2	Door panel details & glazing details
3	Sidelite panel details
4	Horizontal cross sections
5	Vertical cross sections
6	Vertical cross sections
7	Buck and frame anchoring - 2X buck masonry construction
8	Frame anchoring - 1X buck masonry construction
9	Bill of Materials & Components



Digitally signed by Lyndon F Schmidt
Date: 2023.08.17 16:14:00 -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



OVERALL FRAME DIMENSION	D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
		POSITIVE	NEGATIVE
112.5" x 96.50"	21.125" x 79.25"	+48.0	-51.0

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

PRODUCT:
THERMA-TRU
STEEL DOOR

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

2
8/17/23
UPDATE TO 8TH ED. (2023) FBC

1
7/15/20
UPDATE TO 7th ED (2020) FBC

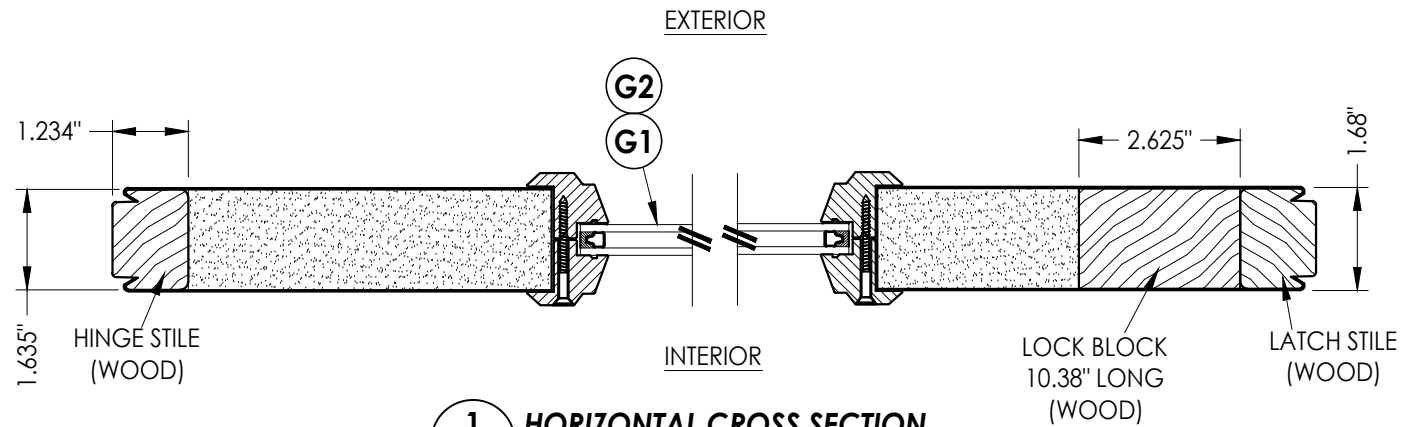
NO. 1
DATE

REVISIONS

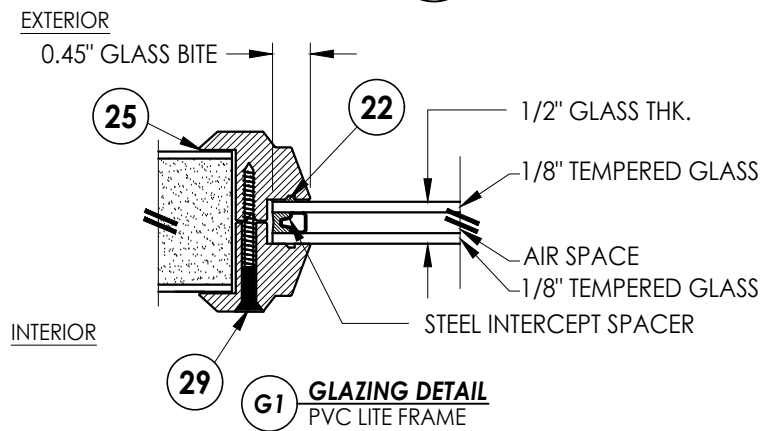
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SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-23507.17
SHEET 1 OF 9

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

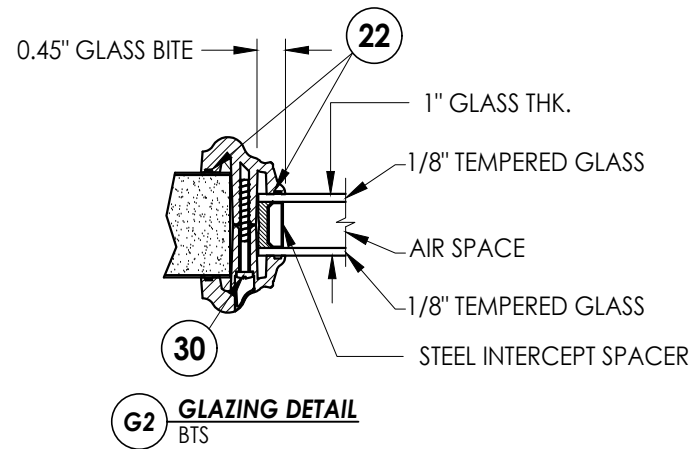
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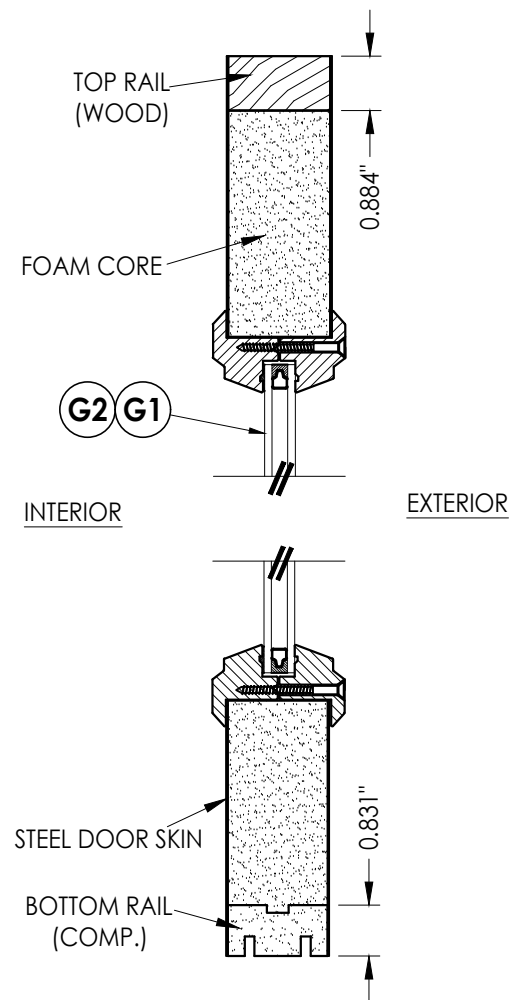
1
2 **HORIZONTAL CROSS SECTION**



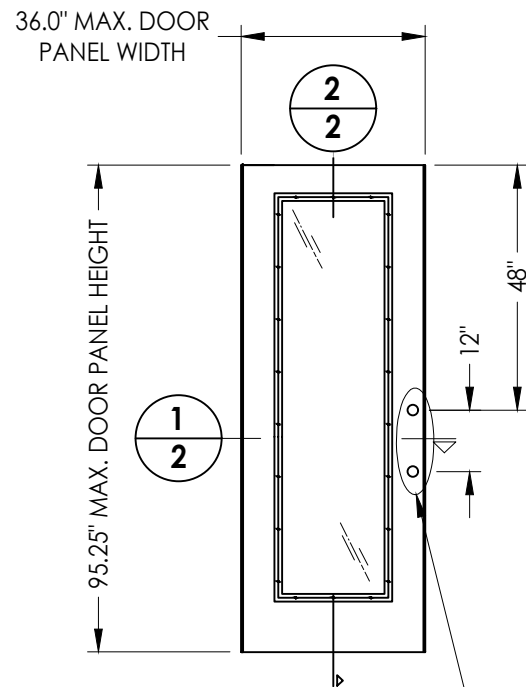
G1 **GLAZING DETAIL**
PVC LITE FRAME



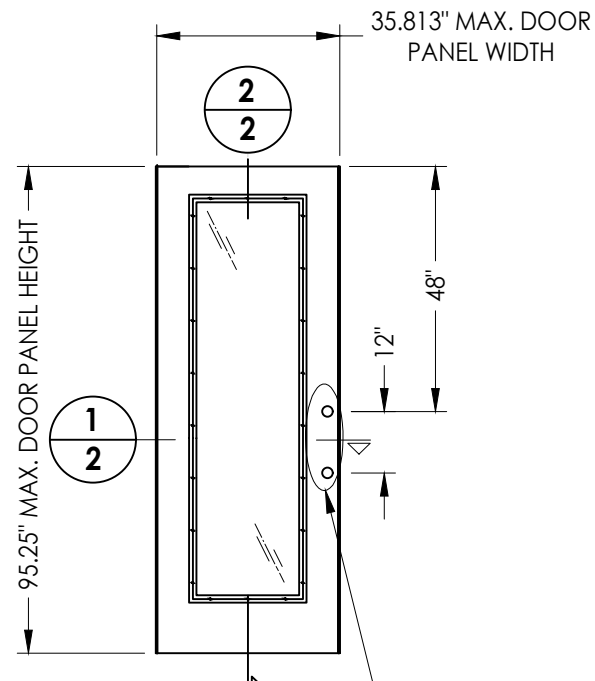
G2 **GLAZING DETAIL**
BTS



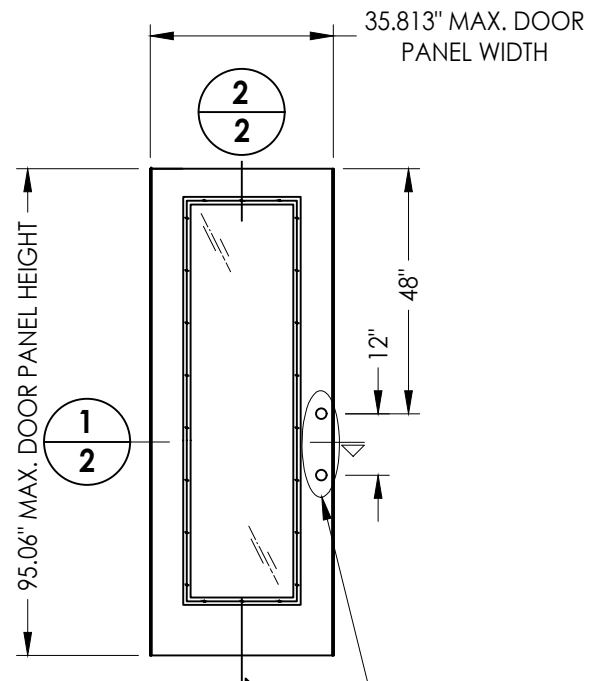
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2 **VERTICAL CROSS SECTION**



40 **DOOR PANEL**
BOOK



41 **DOOR PANEL**
Hybrid Door



42 **DOOR PANEL**
U1 Door

"TRADITIONS" SERIES DOOR PANEL

STEEL DOOR SKIN: 24 GA. (0.022" MIN. THICKNESS, Fy = 48,470 PSI MIN.)
FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)

SEE HARDWARE CHART

SEE HARDWARE CHART

SEE HARDWARE CHART

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

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

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PRODUCT:	THERMA-TRU STEEL DOOR	
	PART OR ASSEMBLY: "TRADITIONS" DOOR PANEL AND GLAZING DETAILS	

NO.	DATE	REVISIONS	
		BY	DATE
2	8/17/23	LFS	UPDATE TO 8TH ED. (2023) FBC
1	7/15/20	PO	UPDATE TO 7th ED (2020) FBC

DATE: 10/12/17

SCALE: N.T.S.

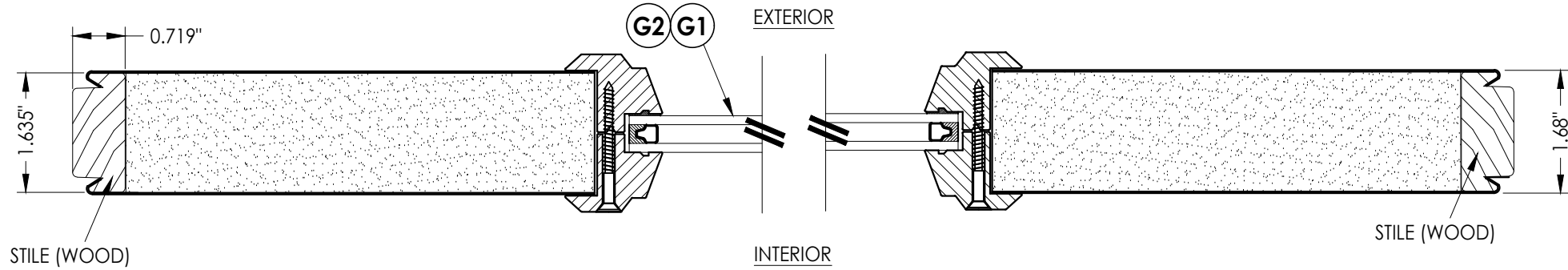
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CHK. BY: LFS

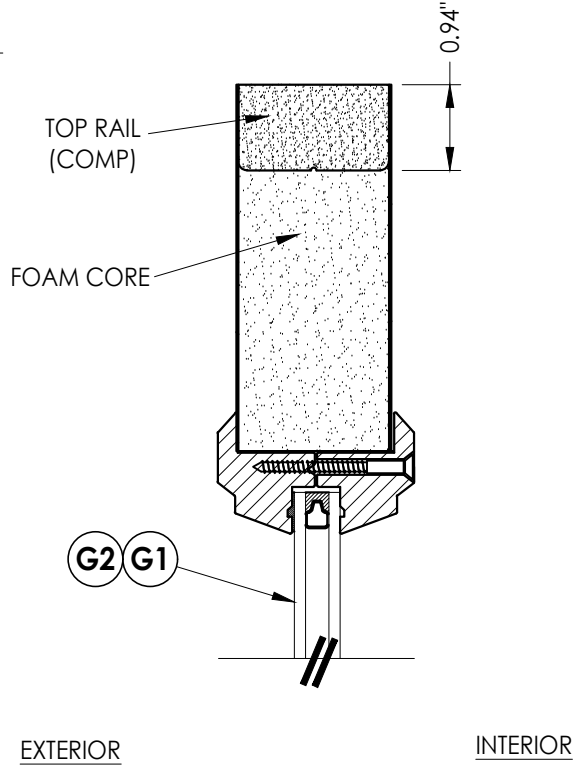
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SHEET 2 OF 9

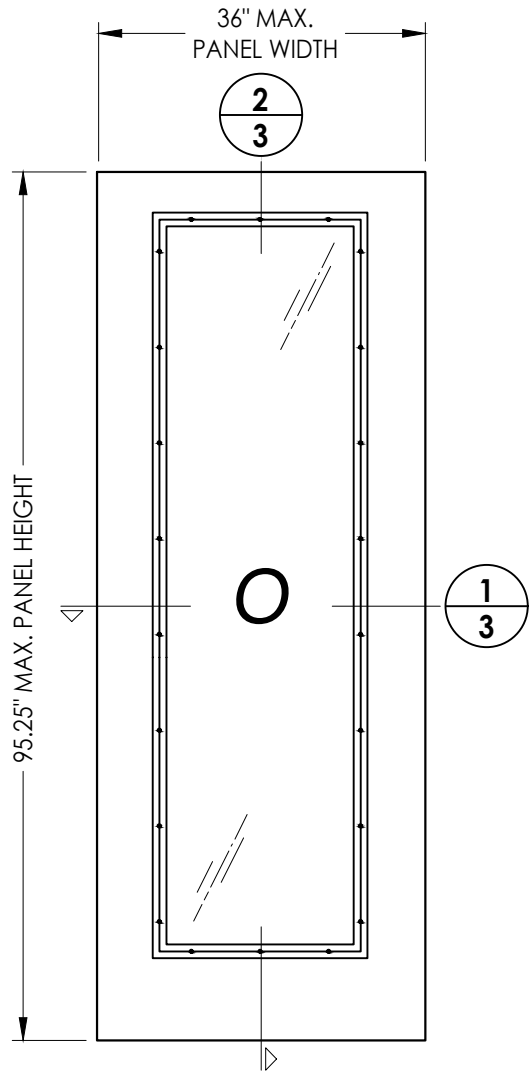
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1
3 HORIZONTAL CROSS SECTION



2
3 VERTICAL CROSS SECTION



50 SIDELITE PANEL

SIDELITE PANEL
STEEL SKIN "TRADITIONS": 24 GA. (0.022" MIN. THICKNESS, Fy = 48,470 PSI MIN.)
FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)

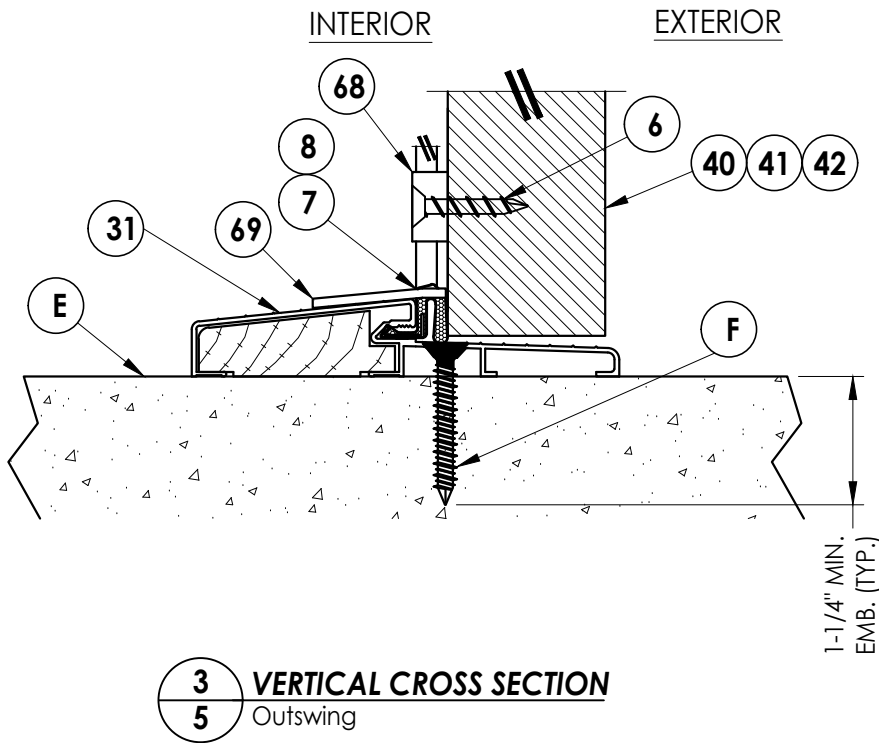
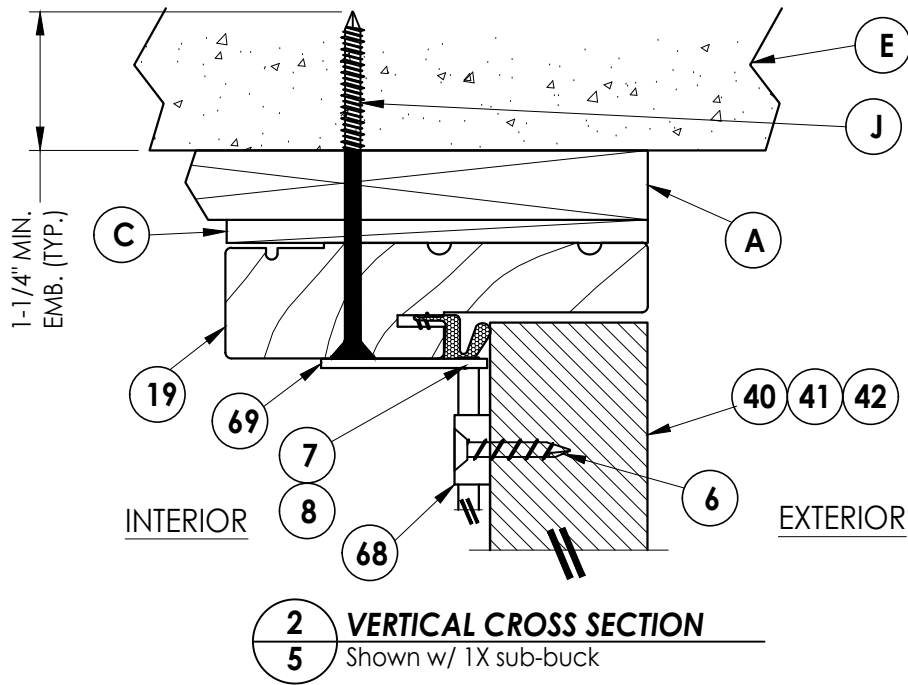
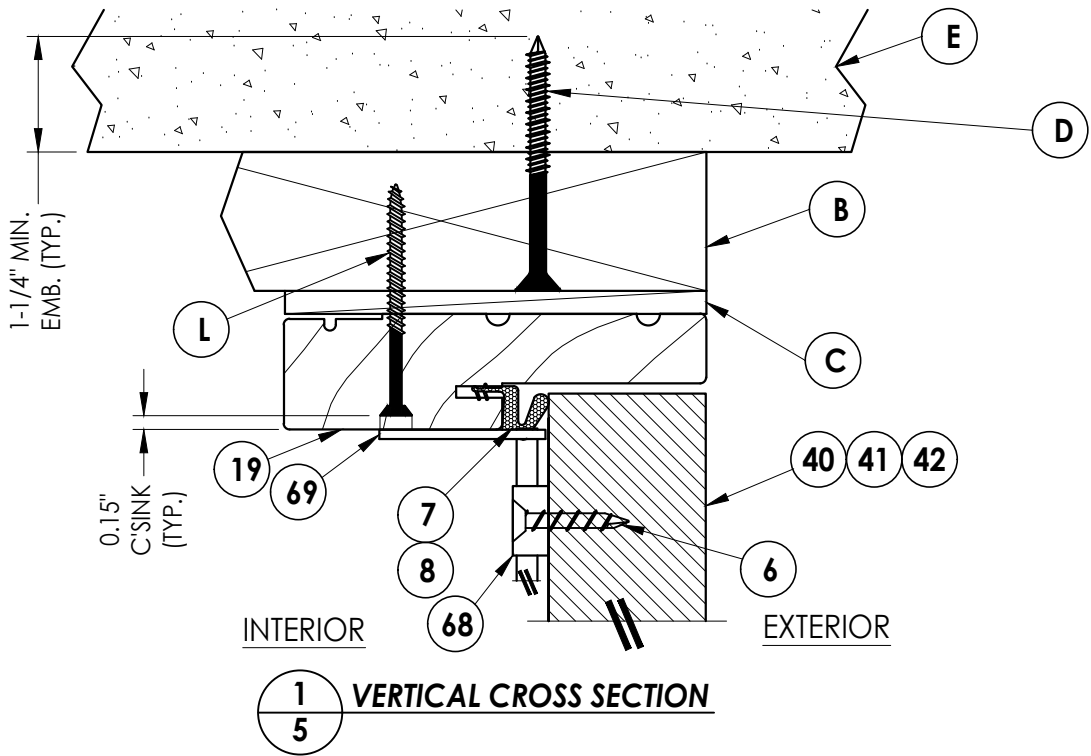
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				LFS	FBC		
				PO	FBC		
				NO.	DATE		
DATE: 10/12/17				REVISIONS			
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-23507.17							
SHEET 3 OF 9							

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

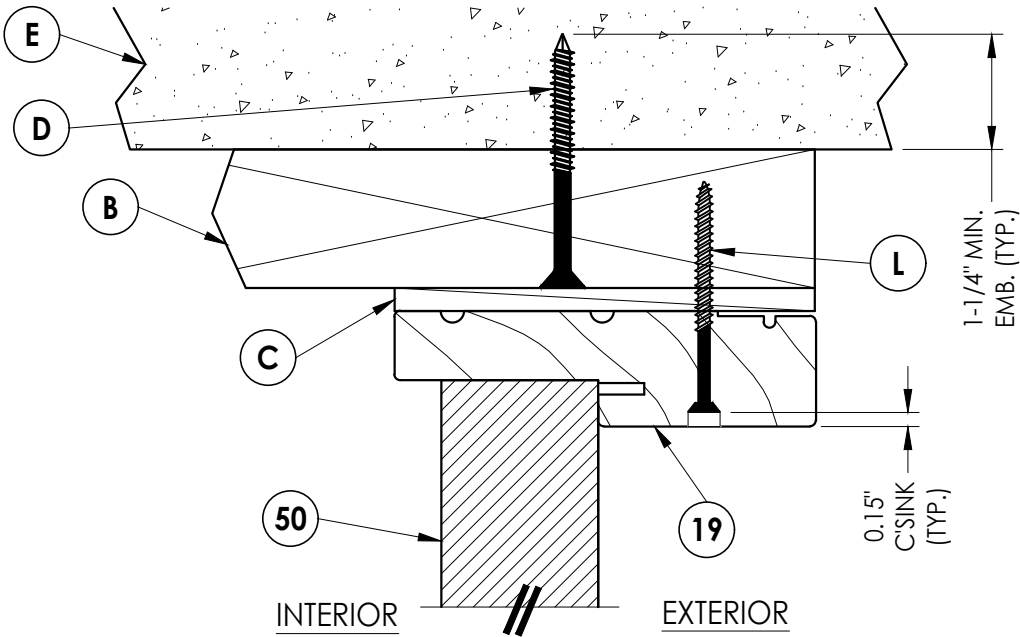
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FBPE Registry No. 9813

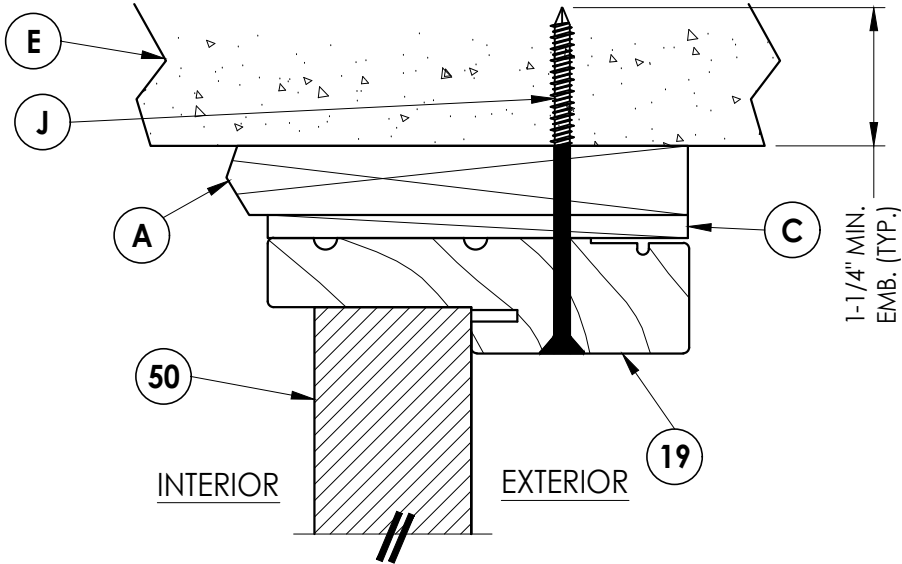
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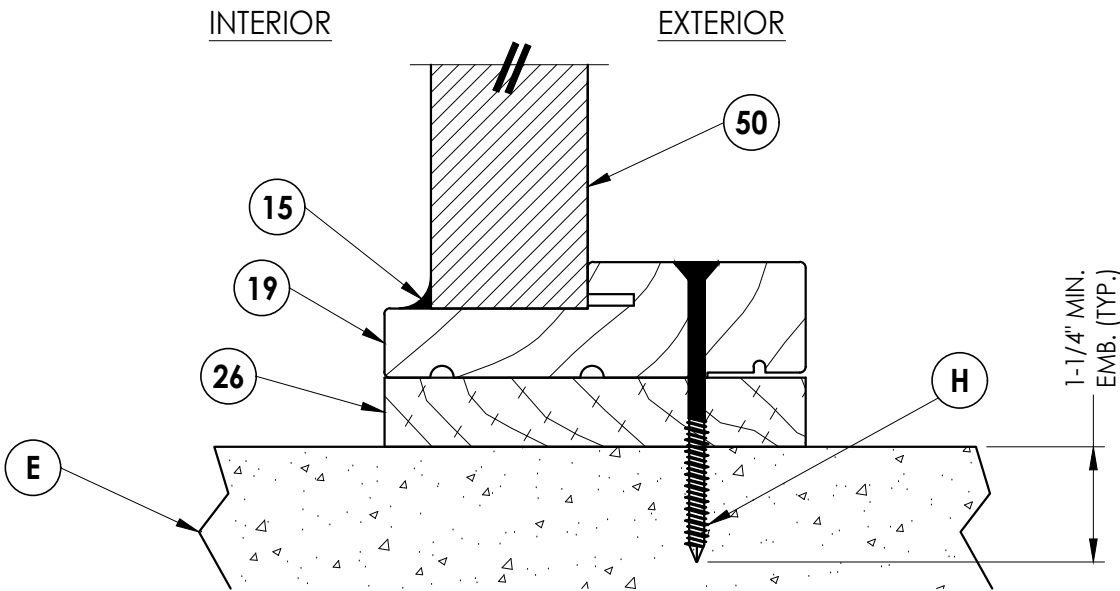
PRODUCT:		THERMA-TRU STEEL DOOR		PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
DOCUMENTS PREPARED BY:		Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC.		P.O. Box 230, Vairico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DATE:		10/12/17		SCALE:		N.T.S.	
DWG. BY:		JK		CHK. BY:		LFS	
DRAWING NO.:		FL-23507.17		SHEET		5 OF 9	
NO.		DATE		BY		REVISIONS	
2		8/17/23		UPDATE TO 8TH ED. (2023)		FBC LFS	
1		7/15/20		UPDATE TO 7th ED (2020)		FBC PO	
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1
6 VERTICAL CROSS SECTION

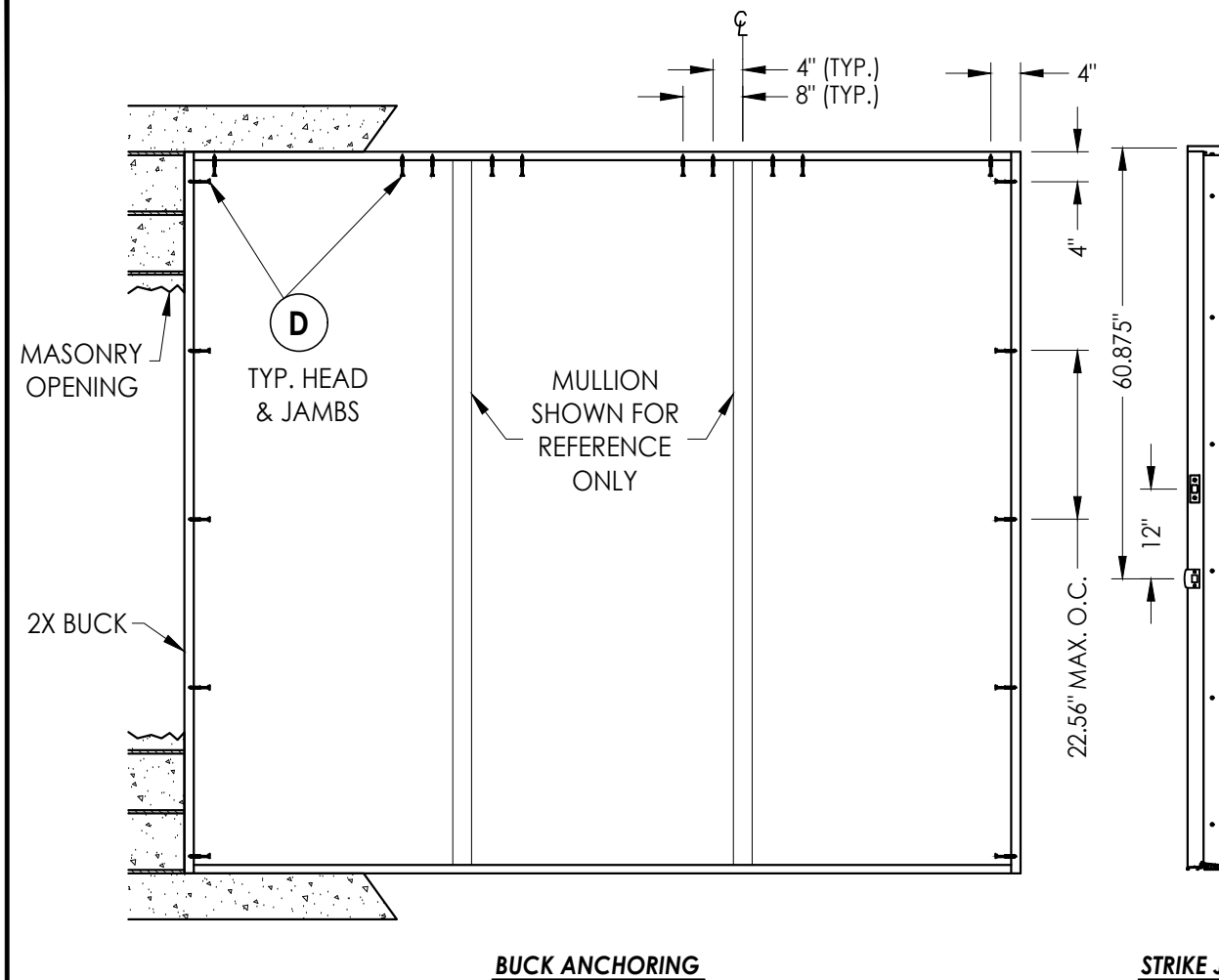


2
6 VERTICAL CROSS SECTION
Shown w/ 1X sub-buck

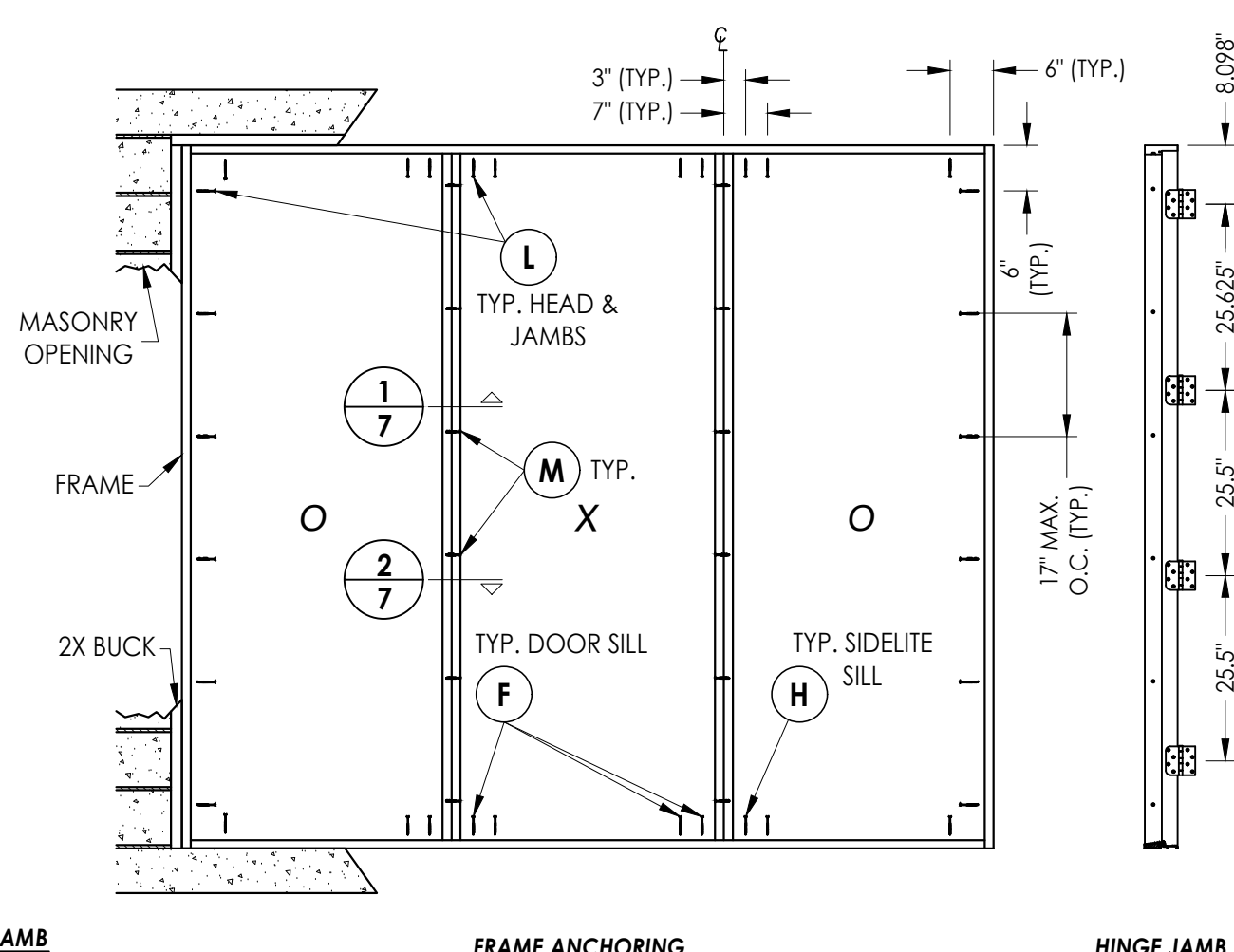


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6 VERTICAL CROSS SECTION

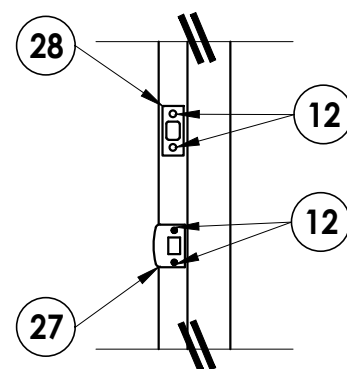
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Vairico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: THERMA-TRU STEEL DOOR				PART OR ASSEMBLY: VERTICAL CROSS SECTIONS			
				LFS	FBC	REVISIONS	
				2	8/17/23	UPDATE TO 8TH ED. (2023)	
				1	7/15/20	UPDATE TO 7th ED (2020)	
				NO.	DATE		BY
DATE: 10/12/17							
SCALE: N.T.S.							
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DRAWING NO.: FL-23507.17							
SHEET 6 OF 9							



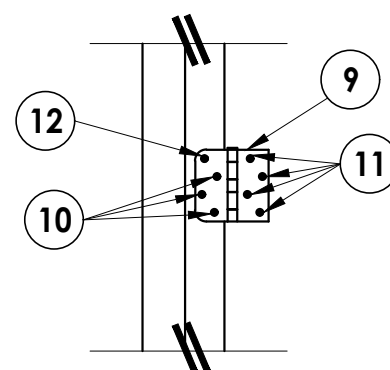
BUCK ANCHORING



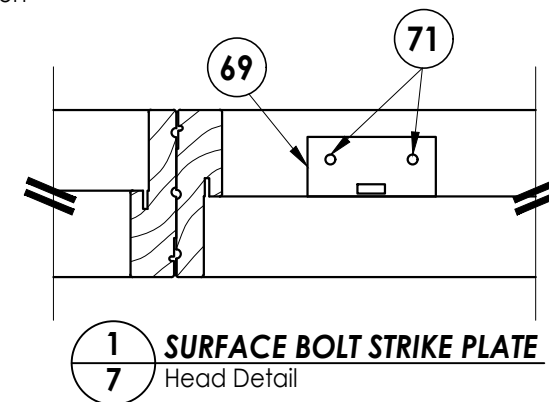
STRIKE JAMB



LATCH & DEADBOLT DETAIL

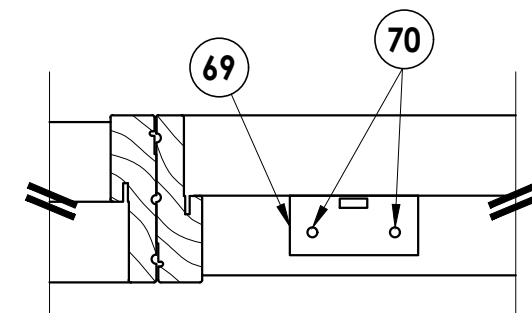


HINGE DETAIL



SURFACE BOLT STRIKE PLATE

Head Detail

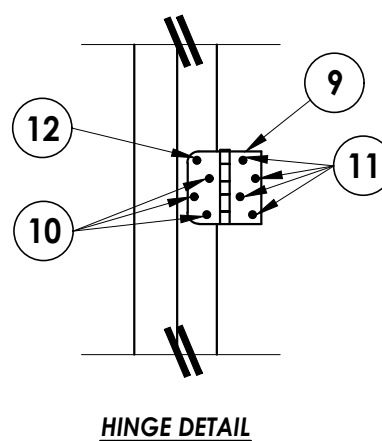
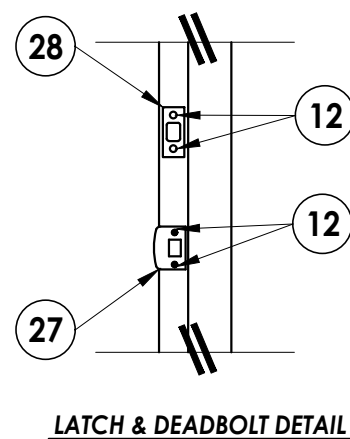
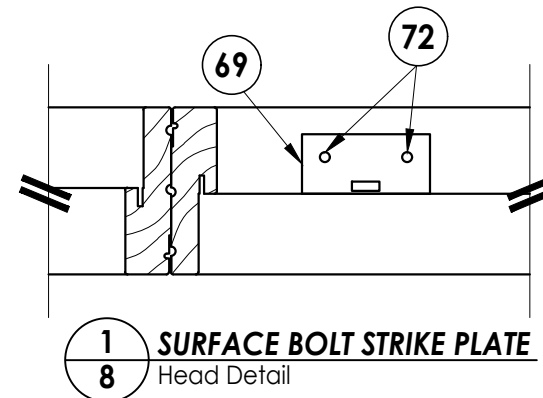
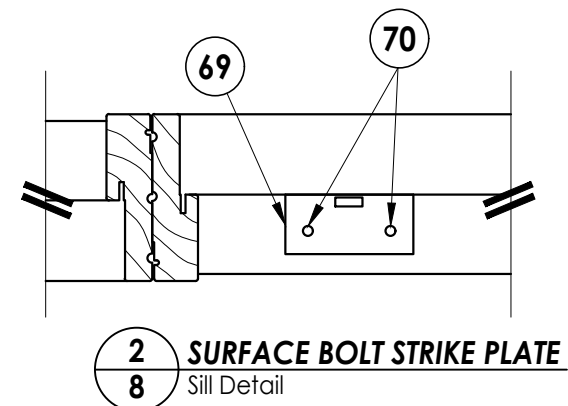
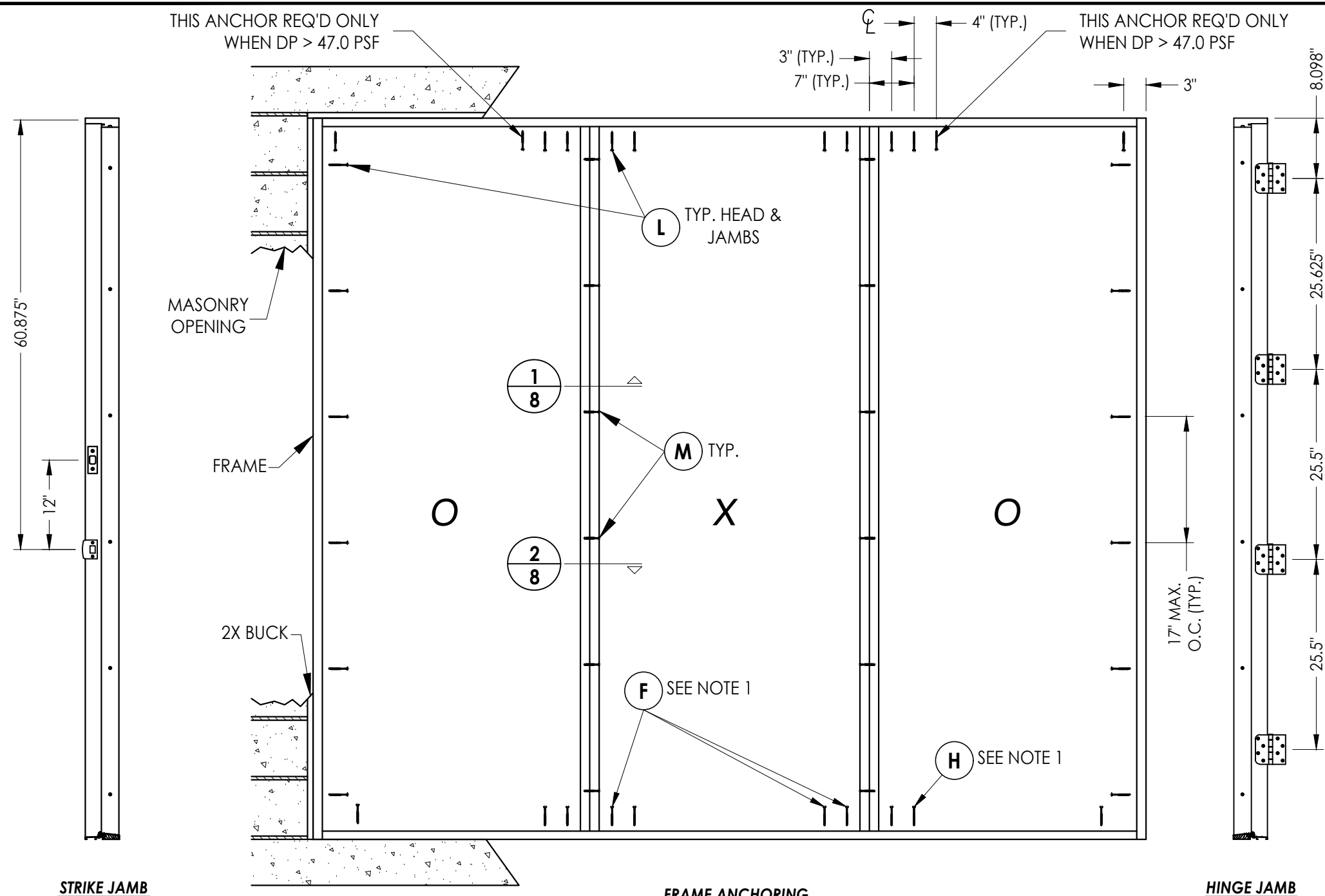


2 **SURFACE BOLT STRIKE PLATE**
7 Sill Detail

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

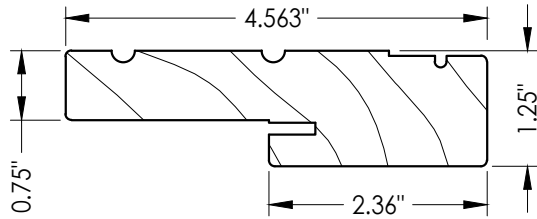
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FBPE Registry No. 9813

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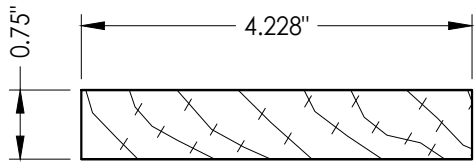
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BILL OF MATERIALS					
ITEM	DESCRIPTION	MATERIAL	ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD	22	1/8 THK. CELLULAR GLAZING TAPE (STIK-II TAPE)	-
B	2X BUCK SG >= 0.55	WOOD	25	GLAZING COMPOUND (BOSTIK HOT-MELT)	SILICONE
C	MAX. 1/4" SHIM SPACE	WOOD	26	3/4" THK. PRESURE TREATED SIDELITE PAD	WOOD
D	1/4" X 2-3/4" PFH DeWALT CONCRETE SCREW	STEEL	27	LATCH STRIKE PLATE	STEEL
E	MASONRY - 3,192 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	28	DEADBOLT PLATE	STEEL
			29	#6-18 X 1-3/4" PFH SCREW	STEEL
F	1/4" X 1-3/4" ITW CONCRETE SCREW	STEEL	30	#8-10 X 1-1/2" PPH PLASCREW	STEEL
H	1/4" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL	31	BUMP FACE THRESHOLD LOW PROFILE	ALUM. / WOOD
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL	40	DOOR PANEL (BOOK) - "TRADITIONS"	-
J	1/4" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL	41	DOOR PANEL (HYBRID) - "TRADITIONS"	-
K	#10 X 2" PFH WOOD SCREW	STEEL	42	DOOR PANEL (U1) - "TRADITIONS"	-
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL	50	SIDELITE PANEL - SEE SIDELITE PANEL DETAILS SHEET FOR DETAILS	-
M	#8 X 2" PFH WOOD SCREW	STEEL	68	IVES SURFACE BOLT (.25 STEEL)	STEEL
6	#10 X 1-1/4" L.G. TYPE "A" FLATHEAD	STEEL	69	SURFACE BOLT STRIKE PLATE (.10" STEEL)	STEEL
7	SHORT REACH COMPRESSION WEATHER-STRIP	FOAM	70	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
8	LONG REACH COMPRESSION WEATHER-STRIP	FOAM	71	#8 X 2-1/2" PFH WOOD SCREW	STEEL
9	4" X 4" HINGE .097" THK.	STEEL	72	3/16" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL
10	#10 X 3/4" PFH WOOD SCREW (HINGE TO FRAME)	STEEL			
11	#10 X 1" PFH WOOD SCREW	STEEL			
12	#10 X 1-3/4" PFH WOOD SCREW	STEEL			
15	LATEX CAULK	LATEX			
19	HEADER JAMB (PINE, SG >= 0.42)	WOOD			
20	SIDE JAMB (PINE, SG >= 0.42)	WOOD			

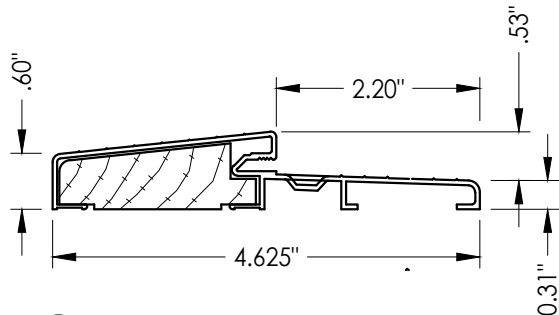
NOTE: DOOR & SIDELITE WOOD COMPONENTS: PINE (SG >= 0.42)



19 20 HEAD & SIDE JAMB



26 SIDELITE PAD



31 BUMP FACE THRESHOLD LOW PROFILE

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"	3"	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.

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

RW

PRODUCT:

THERMA-TRU
STEEL DOOR

PART OR ASSEMBLY:

BILL OF MATERIALS &
COMPONENTS

DATE: 10/12/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-23507.17

SHEET 9 OF 9