

WOOD EDGE

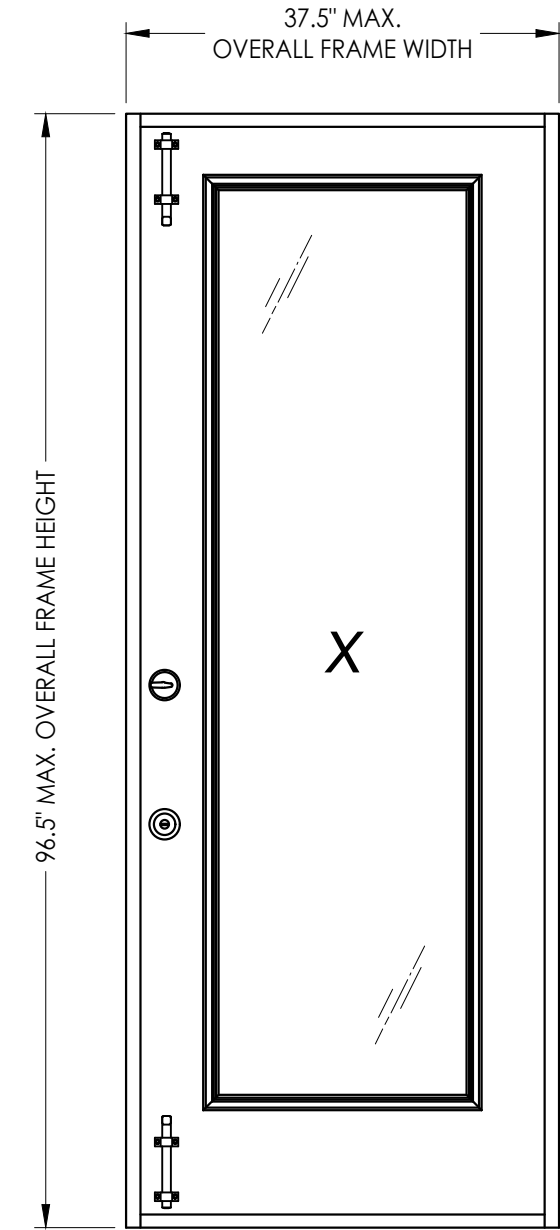
GLAZED STEEL SINGLE DOOR

OUTSWING

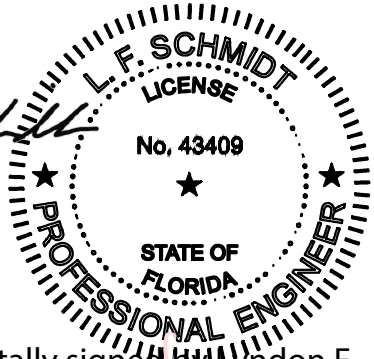
"NON-IMPACT"

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 is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
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.



CONFIGURATION	DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE
X	+48.0	-51.0



Digitally signed by Lyndon F Schmidt
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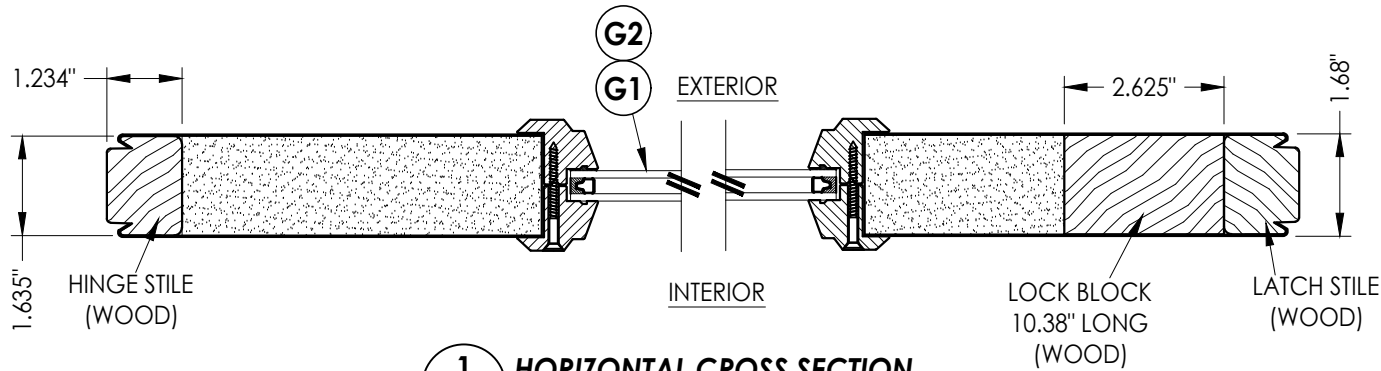
This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

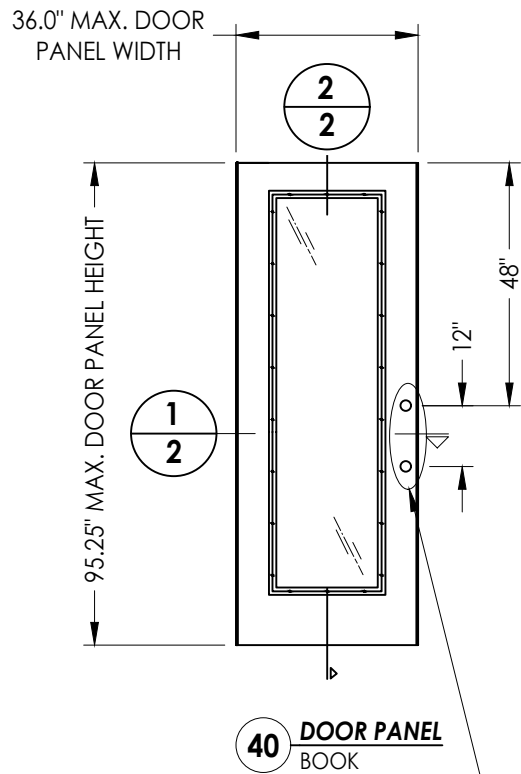
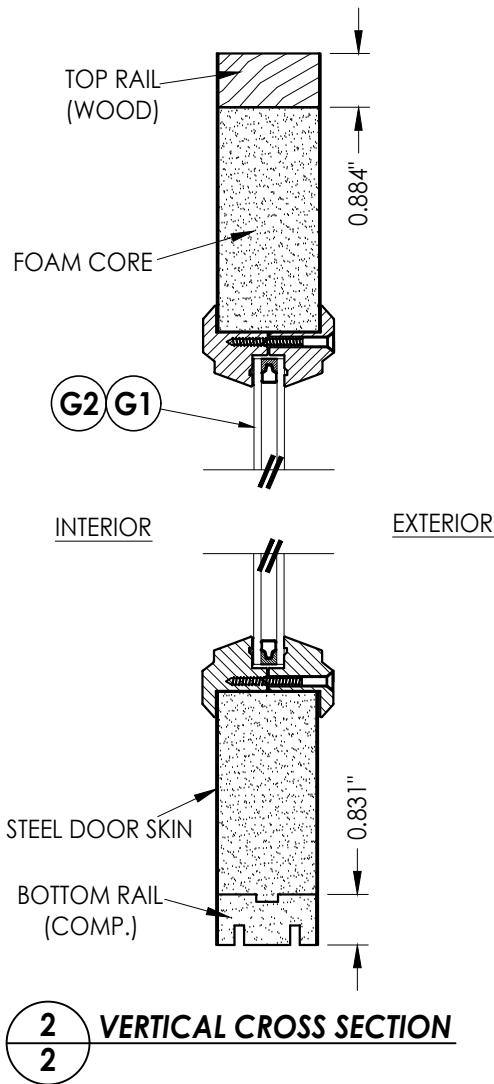
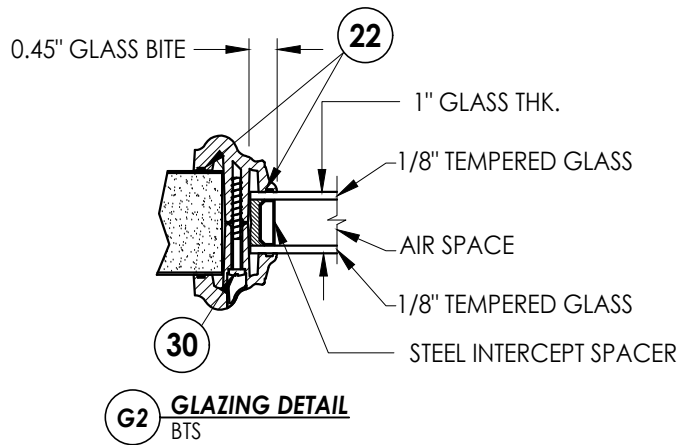
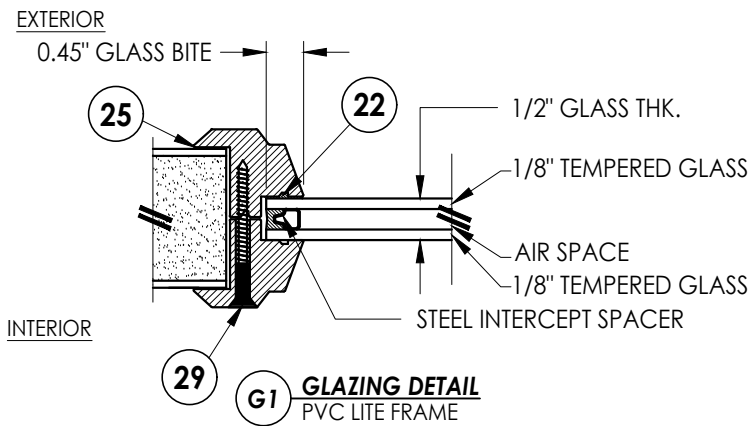
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2	Door panel details & Glazing Details
3	Horizontal cross sections
4	Vertical cross sections
5	Buck and frame anchoring - 2X buck masonry construction
6	Frame anchoring - 1X buck masonry construction
7	Bill of Materials, Components

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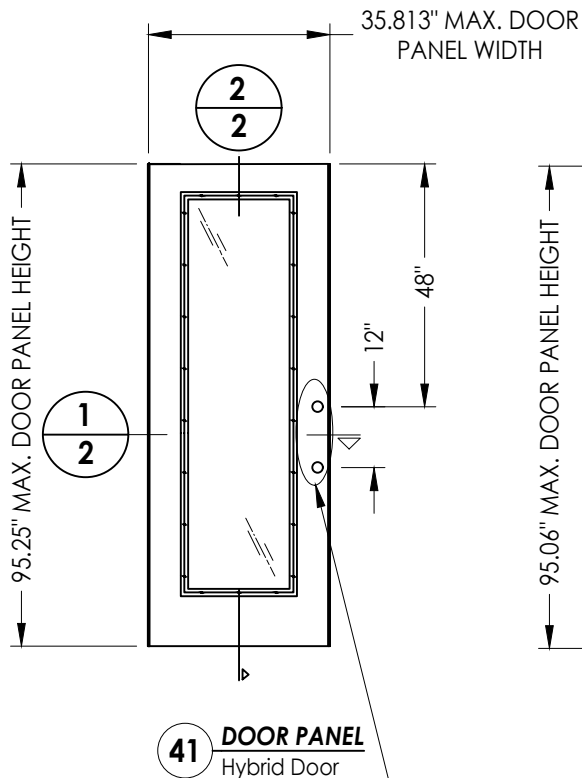
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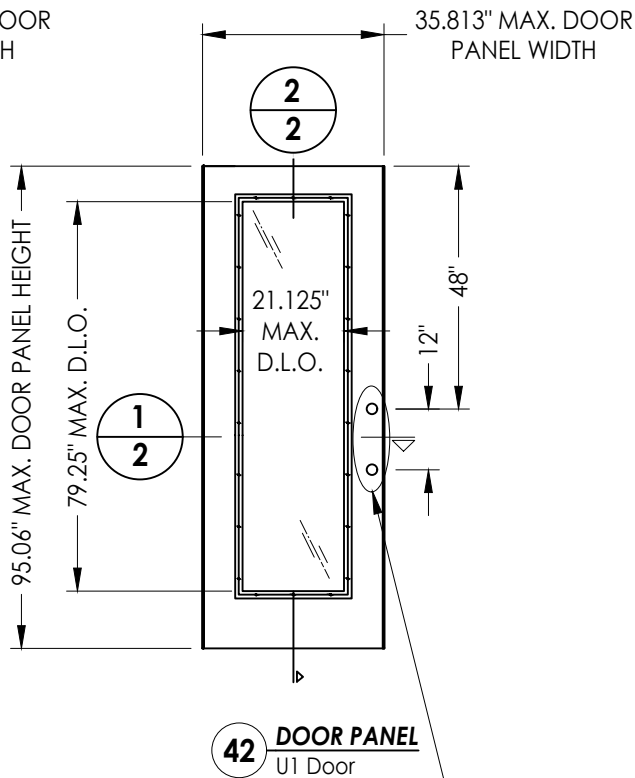
1
2 HORIZONTAL CROSS SECTION



SEE HARDWARE CHART



SEE HARDWARE CHART



SEE HARDWARE CHART

HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	KNOB:	KWIKSET SERIES
	DEADBOLT:	KWIKSET SERIES (660)

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 STEEL DOOR

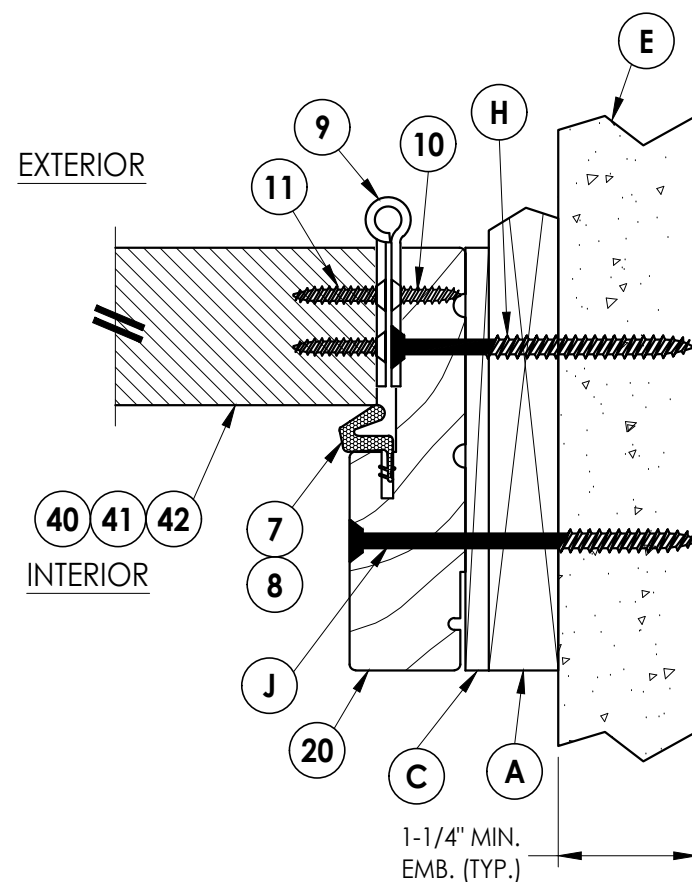
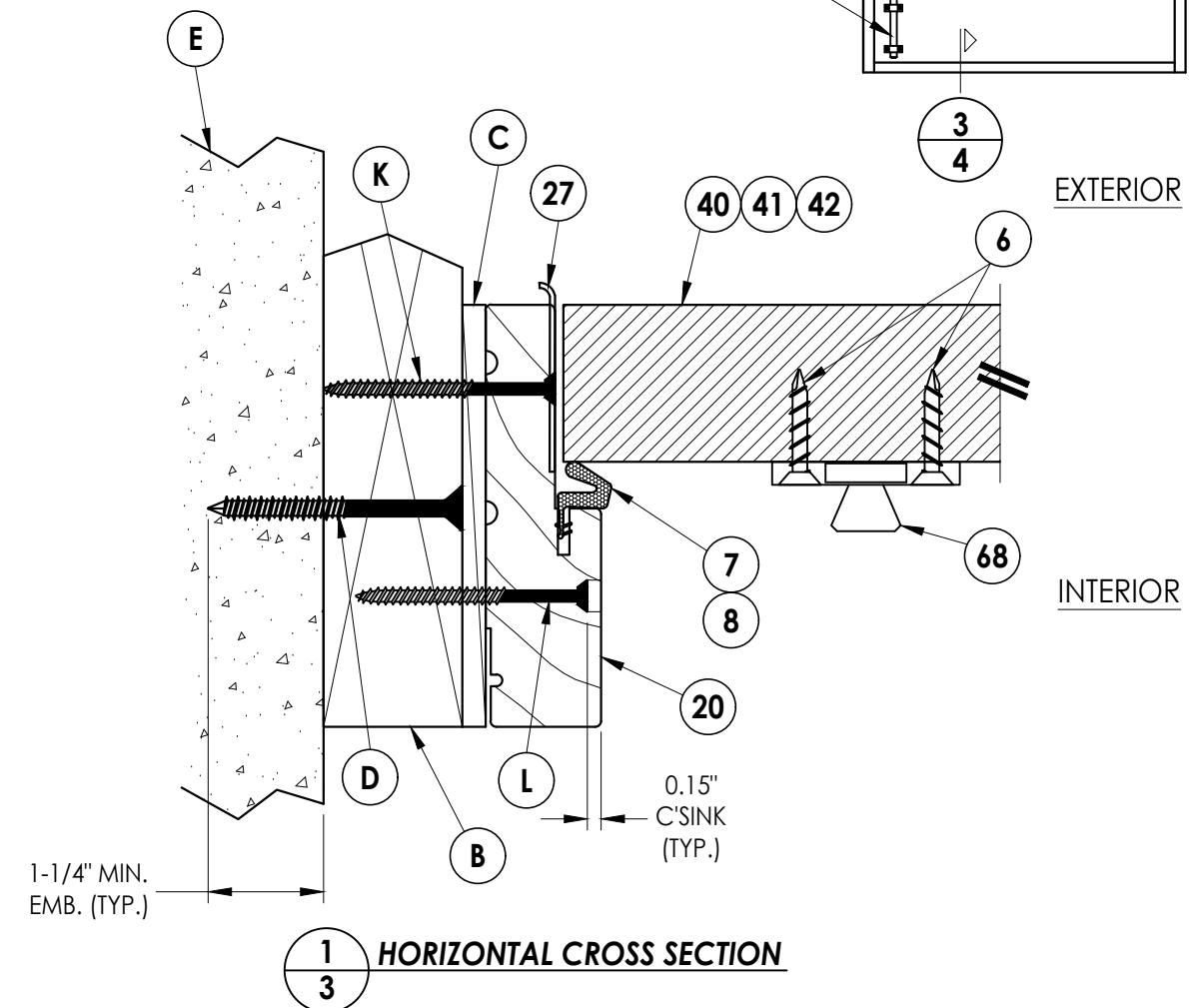
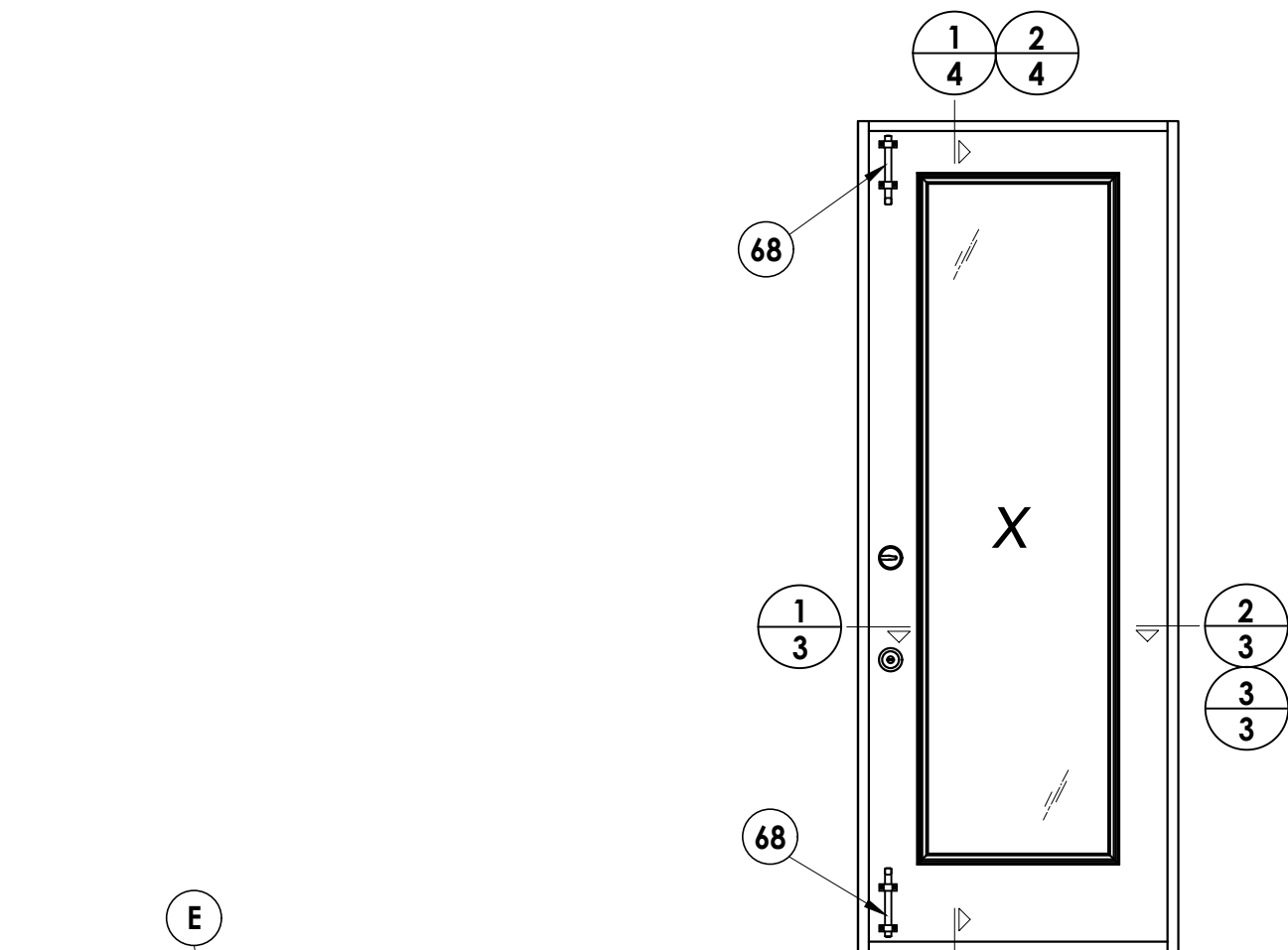
PART OR ASSEMBLY: "TRADITIONS" DOOR PANEL AND GLAZING DETAILS

NO.	DATE	REVISIONS		
		BY	LFS	FBC
3	7/03/26	UPDATE TO 9TH ED.	(2026)	FBC
2	8/07/23	UPDATE TO 8TH ED.	(2023)	FBC
1	7/14/20	UPDATE TO 7TH ED.	(2020)	FBC

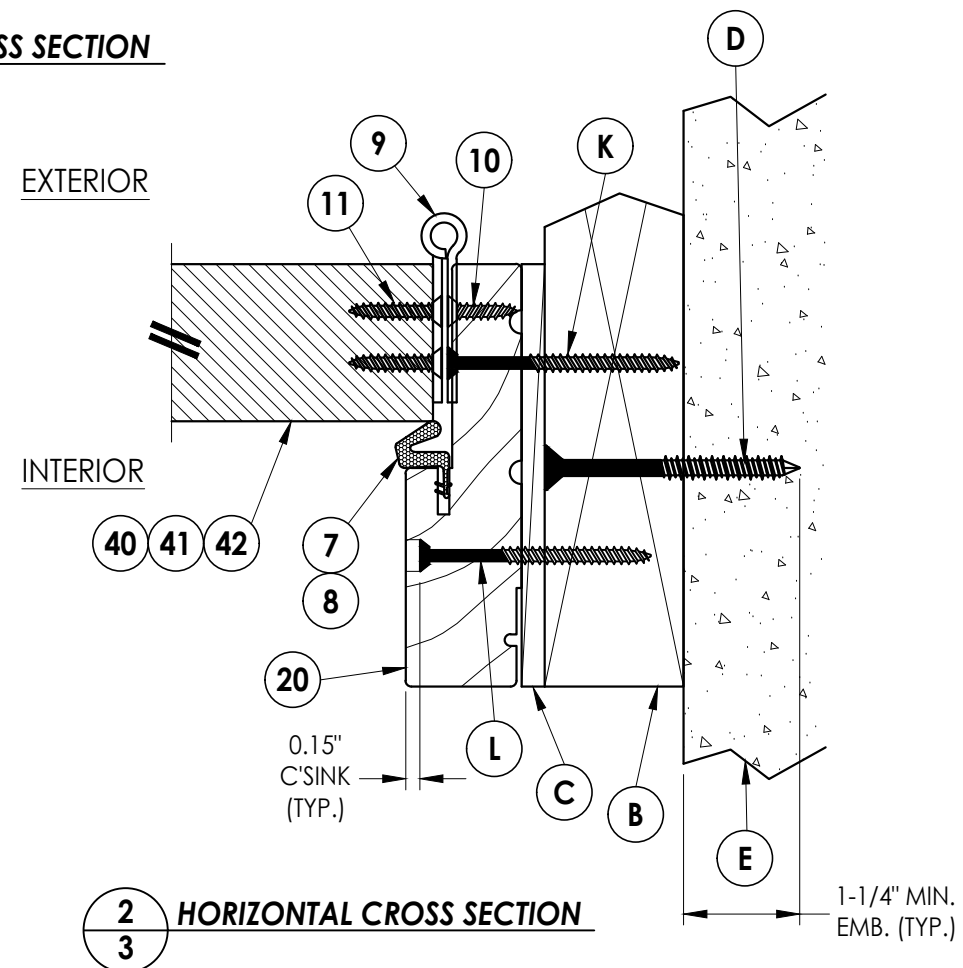
DATE: 10/12/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21131.10
SHEET 2 OF 7

"TRADITIONS" SERIES DOOR PANEL

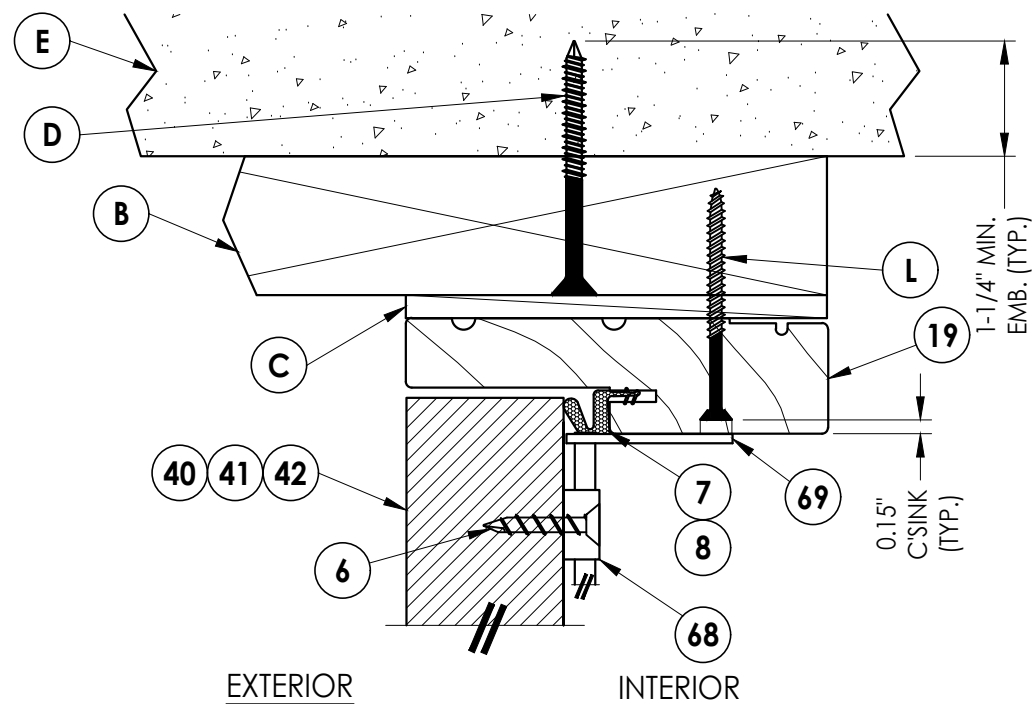
STEEL DOOR SKIN: 24 GA. (0.022" MIN. THICKNESS, Fy = 48,470 PSI MIN.)
FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)



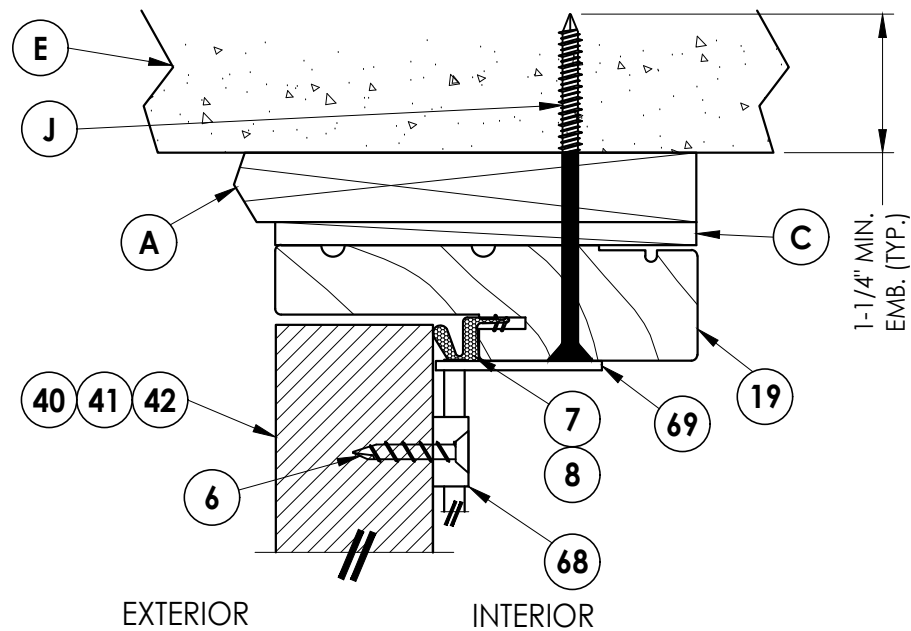
3 HORIZONTAL CROSS SECTION
3 Shown w/ 1X sub-buck



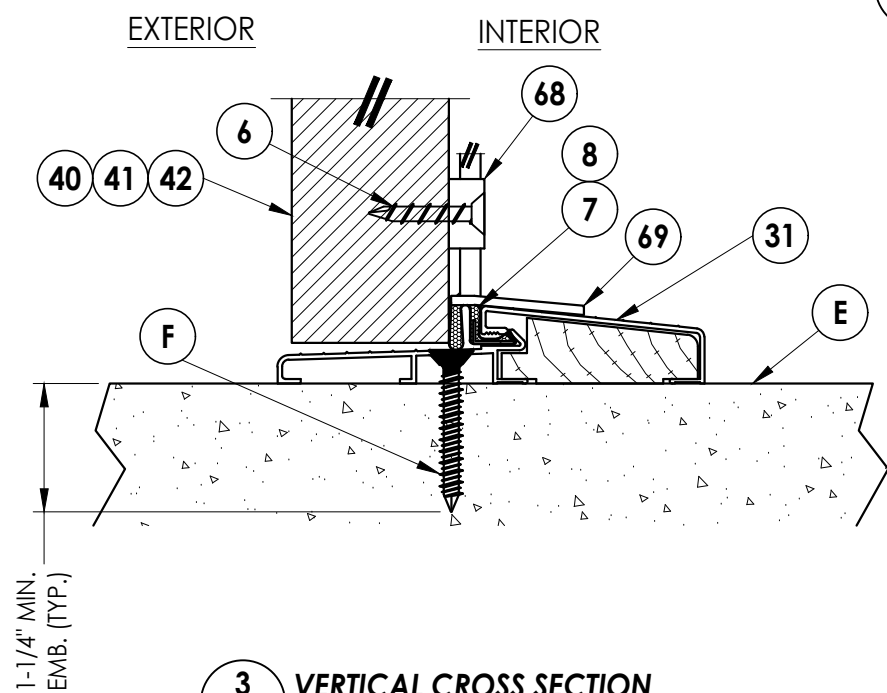
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: THERMA-TRU STEEL DOOR		PART OR ASSEMBLY: HORIZONTAL CROSS SECTIONS	
3	7/03/26	UPDATE TO 9TH ED. (2026)	FBC LFS
2	8/07/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	7/14/20	UPDATE TO 7TH ED (2020)	FBC LFS
NO.	DATE		
		REVISIONS	
DATE: 10/12/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21131.10			
SHEET 3 OF 7			



1 4 VERTICAL CROSS SECTION



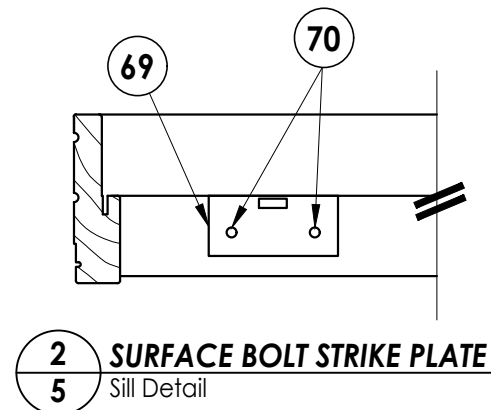
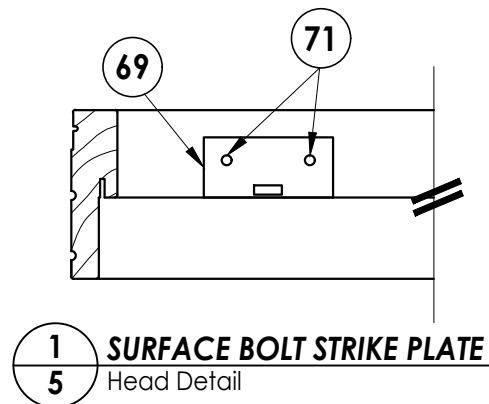
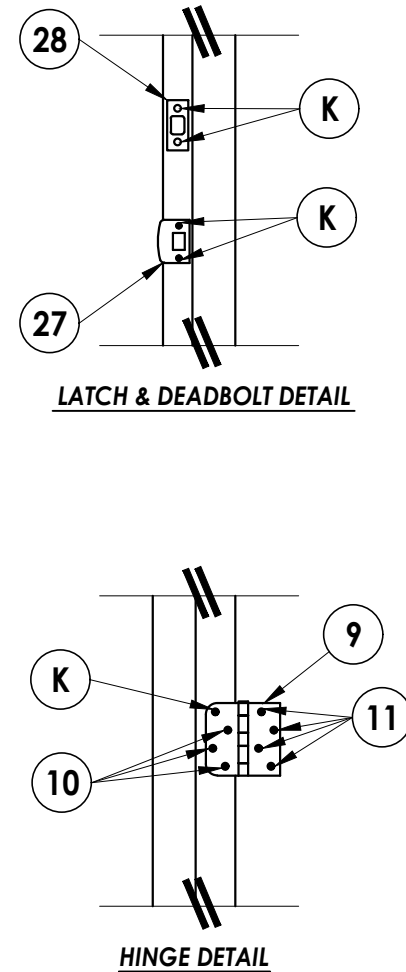
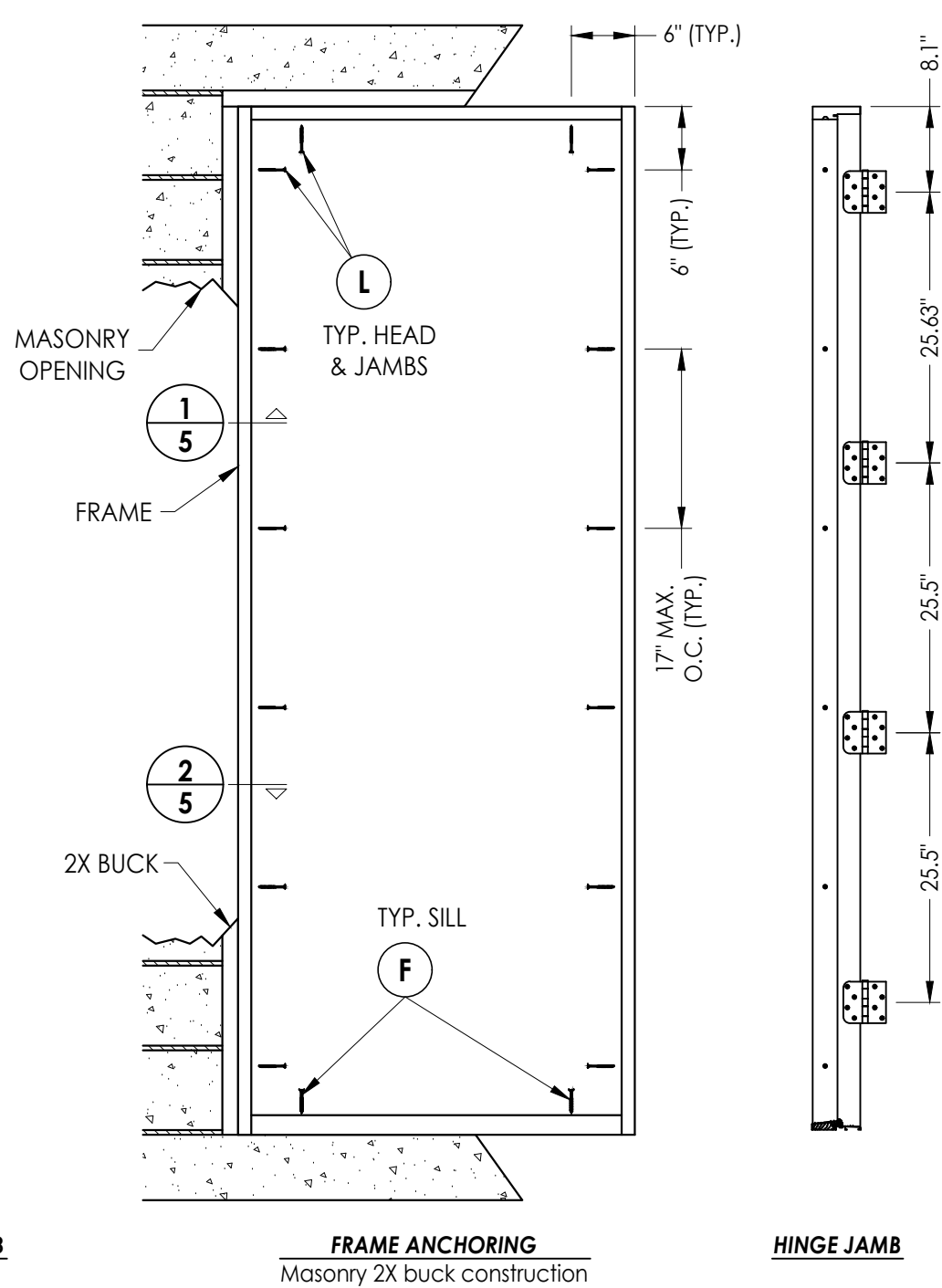
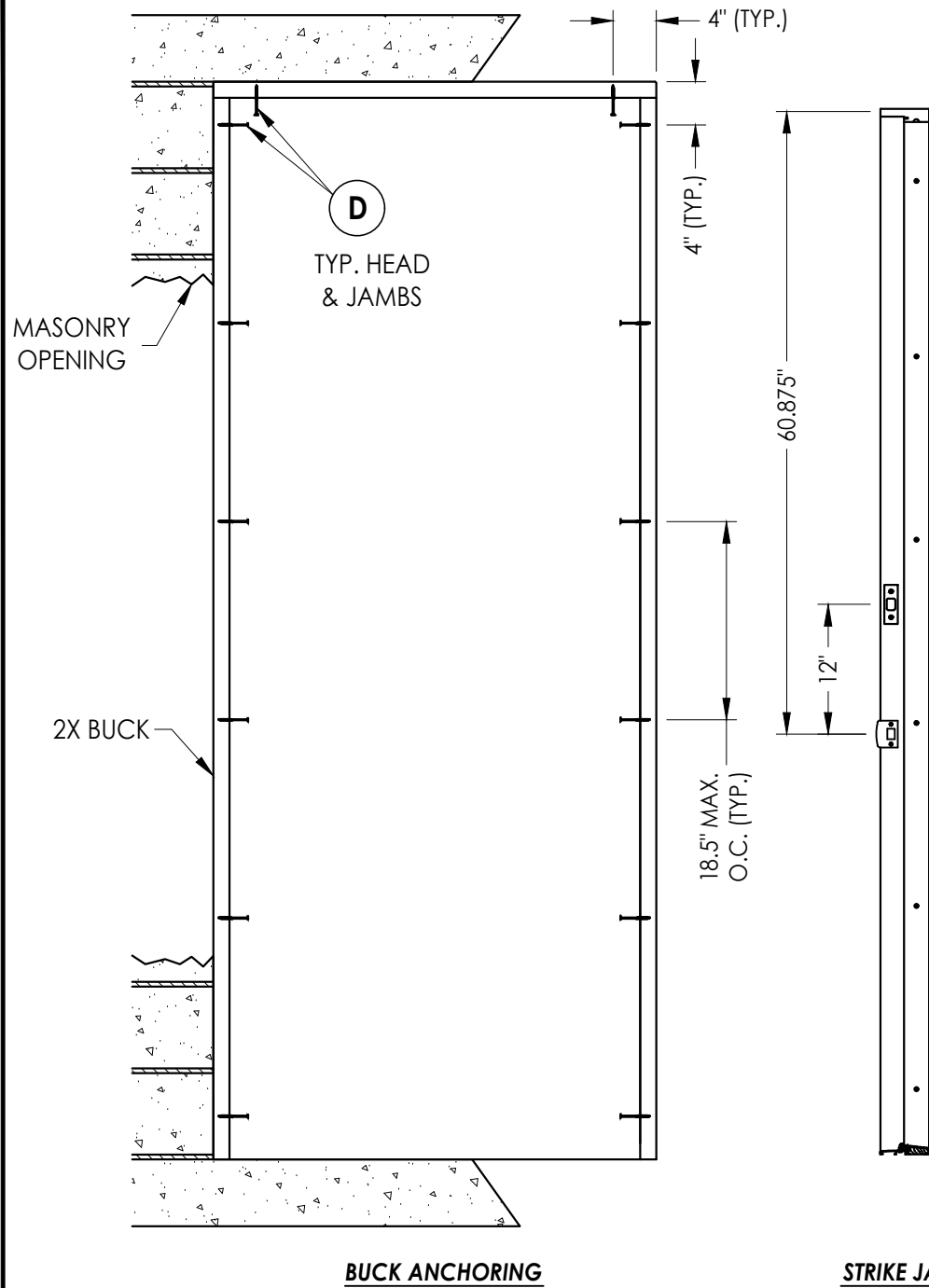
2 **VERTICAL CROSS SECTION**
4 Shown w/ 1X sub-buck

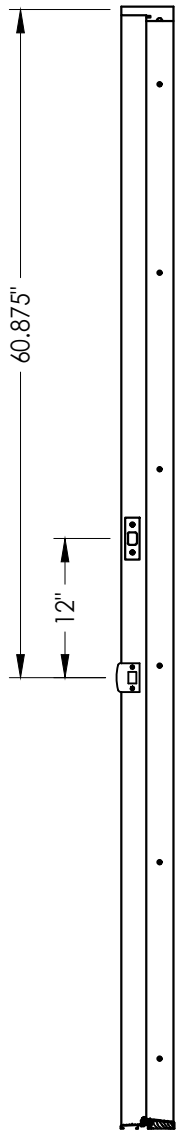


3 VERTICAL CROSS SECTION

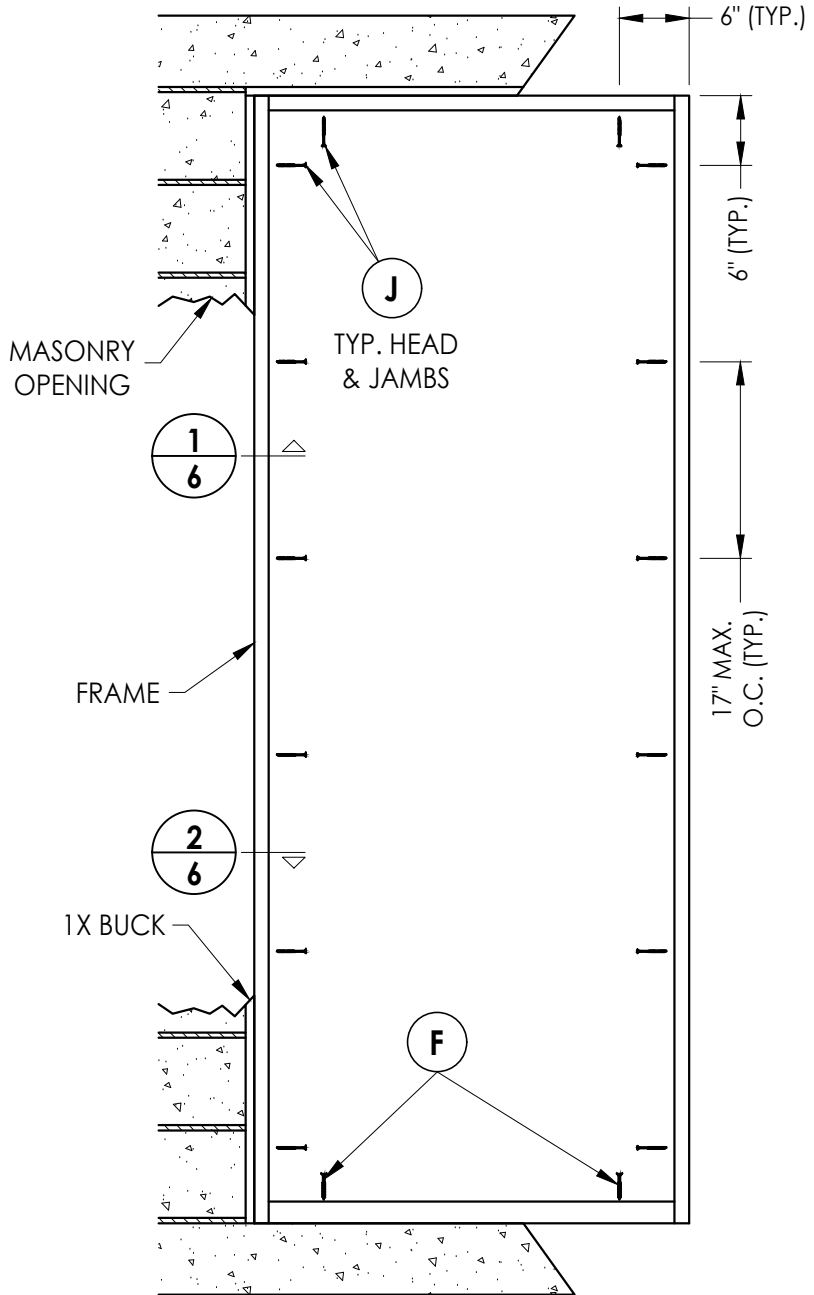
4 Outswing

DATE: 10/12/17		PRODUCT: THERMA-TRU STEEL DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS		 BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: JK		UPDATE TO 9TH ED. (2026) FBC LFS			
CHK. BY: LFS		UPDATE TO 8TH ED. (2023) FBC LFS			
DRAWING NO.: FL-21131.10		UPDATE TO 7TH ED (2020) FBC LFS			
SHEET 4 OF 7		NO. DATE REVISIONS			

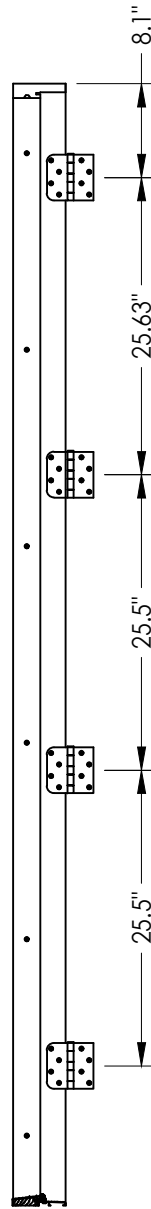
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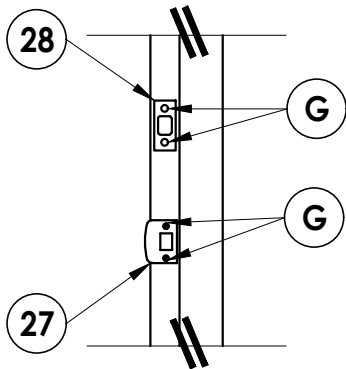
STRIKE JAMB



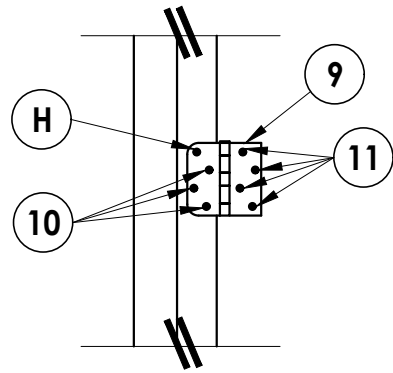
FRAME ANCHORING
Masonry 1X buck construction



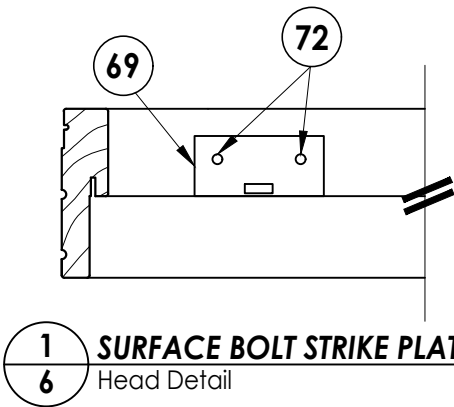
HINGE JAMB



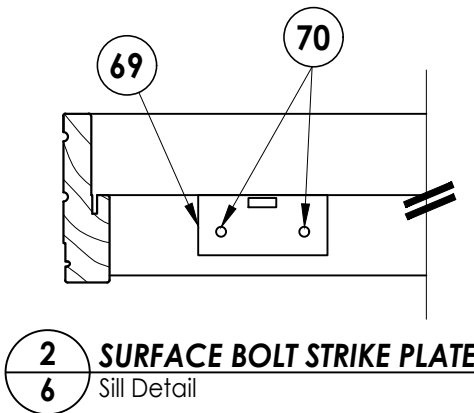
LATCH & DEADBOLT DETAIL



HINGE DETAIL



1 **SURFACE BOLT STRIKE PLATE**
6 Head Detail



2 SURFACE BOLT STRIKE PLATE

6 Sill Detail

[illegible]

PRODUCT: THERMA-TRU STEEL DOOR	PART OR ASSEMBLY: FRAME ANCHORING 1X BUCK MASONRY CONSTRUCTION
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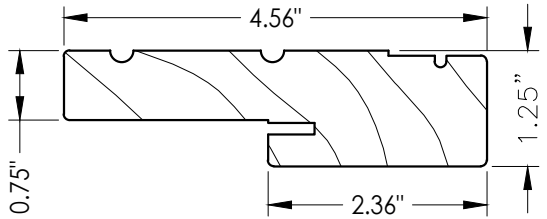
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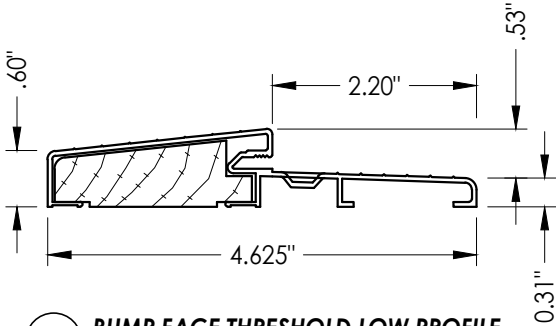
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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	MAX. 1/4" SHIM SPACE	WOOD
D	1/4" X 2-3/4" PFH DeWALT CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 1-3/4" ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
H	1/4" x 3-1/4" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL
K	#10 X 2-1/2" PFH WOOD SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
6	#10 X 1-1/4" L.G. TYPE "A" FLATHEAD	STEEL
7	SHORT REACH COMPRESSION WEATHER-STRIP	FOAM
8	LONG REACH COMPRESSION WEATHER-STRIP	FOAM
9	4" X 4" HINGE .097" THK. (THERMA-TRU)	STEEL
10	#10 X 3/4" PFH WOOD SCREW (HINGE TO FRAME)	STEEL
11	#10 X 1" PFH WOOD SCREW	STEEL
19	HEADER JAMB (PINE, SG >= 0.42)	WOOD
20	SIDE JAMB (PINE, SG >= 0.42)	WOOD
22	1/8" THK. CELLULAR GLAZING TAPE (STIK-II TAPE)	STEEL
25	GLAZING COMPOUND (BOSTIK HOT-MELT)	SILICONE
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT PLATE	STEEL
29	#6-18 X 1-3/4" PFH SCREW	STEEL
30	#8-10 X 1-1/2" PPH PLASCREW	STEEL
31	BUMP FACE THRESHOLD LOW PROFILE	ALUM. / WOOD
40	DOOR PANEL (BOOK) - "TRADITIONS"	-
41	DOOR PANEL (HYBRID) - "TRADITIONS"	-
42	DOOR PANEL (U1) - "TRADITIONS"	-
68	IVES SURFACE BOLT (.25 STEEL)	STEEL
69	SURFACE BOLT STRIKE PLATE (.10" STEEL)	STEEL
70	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
71	#8 X 2-1/2" PFH WOOD SCREW	STEEL
72	3/16" X 3-3/4" PFH ITW CONCRETE SCREW	STEEL

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



19 20 HEAD & SIDE
Jamb



31 BUMP FACE THRESHOLD LOW PROFILE

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"	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		R.W. BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: THERMA-TRU STEEL DOOR		PART OR ASSEMBLY: BILL OF MATERIALS, COMPONENTS	
		LFS	
		FBC	
	UPDATE TO 9TH ED. (2026)	FBC	
	UPDATE TO 8TH ED. (2023)	FBC	
	UPDATE TO 7TH ED (2020)	FBC	
	NO. DATE		
REVISIONS			
DATE: 10/12/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21131.10			
SHEET 7 OF 7			