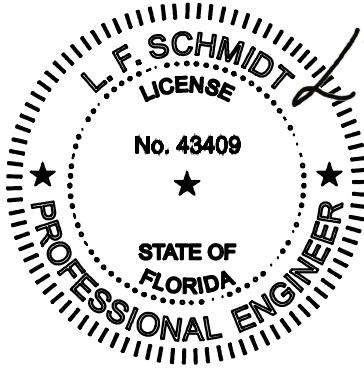




Digitally signed by Lyndon F Schmidt
Date: 2026.08.07 16:23:28 -04'00'

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

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 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.

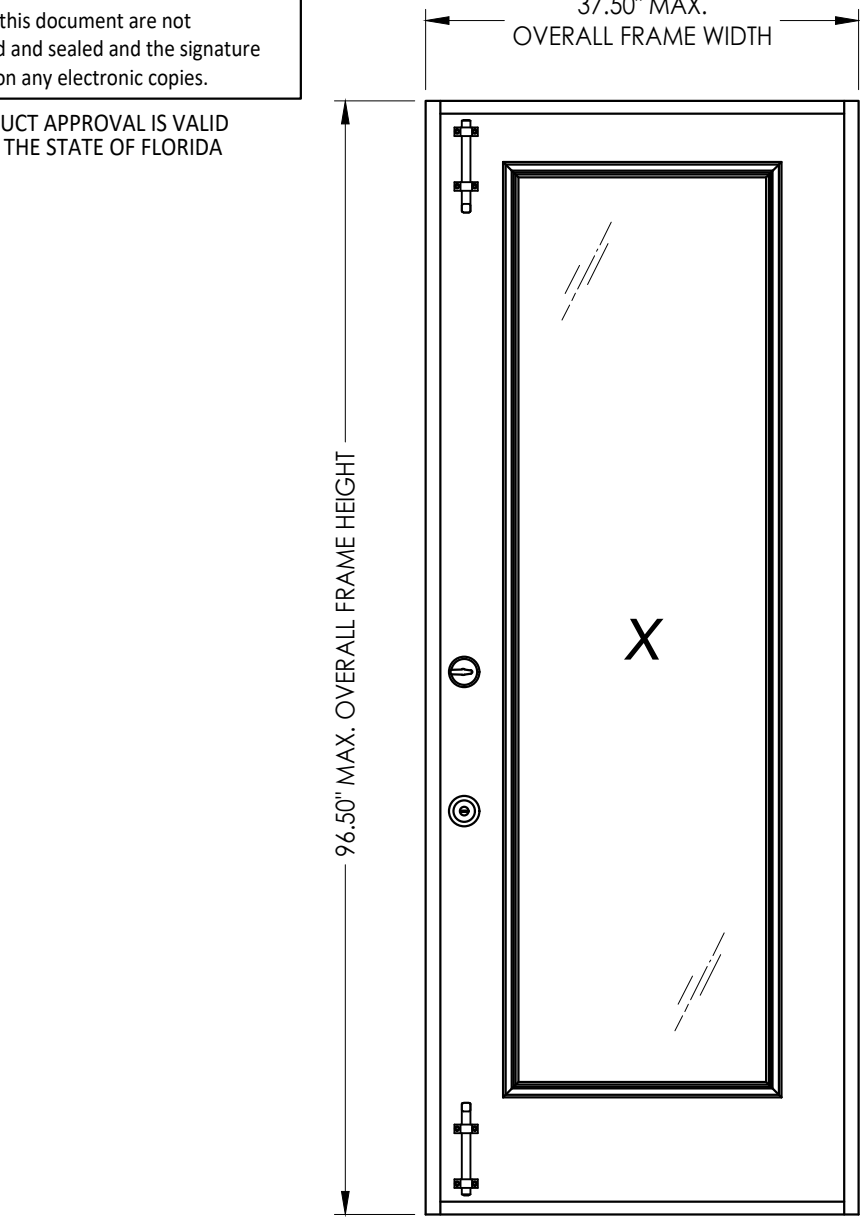
When used in areas outside of the "HVHZ" requiring wind borne debris protection, this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2 .
5.

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.



SWING	OVERALL FRAME DIMENSION	D.L.O. DIMENSION	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
OUTSWING	37.50" x 96.50"	21.125" x 79.25"	+48.0	-51.0

TABLE OF CONTENTS	
SHEET #	DESCRIPTION
1	Typical elevations, design pressures & general notes
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

NO.	DATE	REVISIONS			
		DATE	BY	PO	LFS
3	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
2	8/17/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
1	7/15/20	UPDATE TO 7th ED (2020)	FBC	PO	

DATE: 10/12/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-23507.15
SHEET 1 OF 7

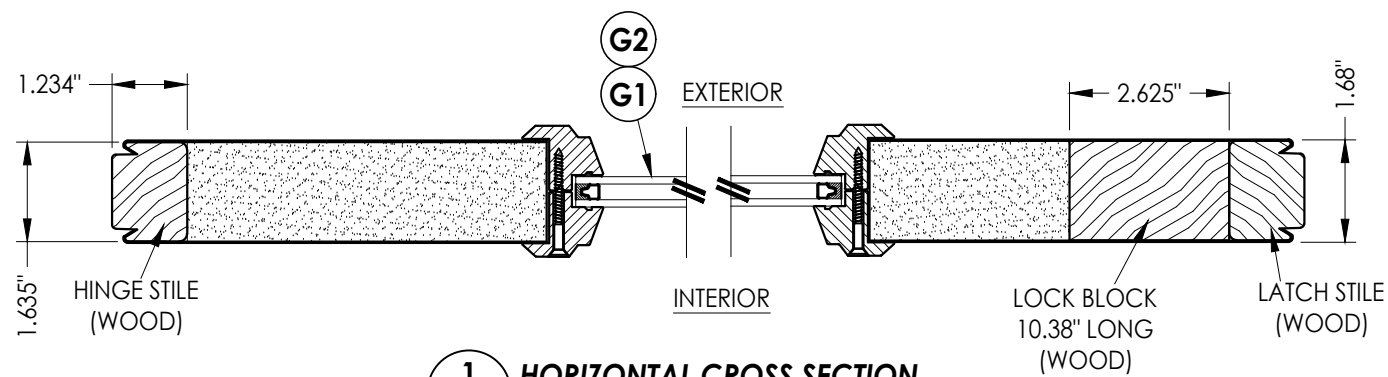
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

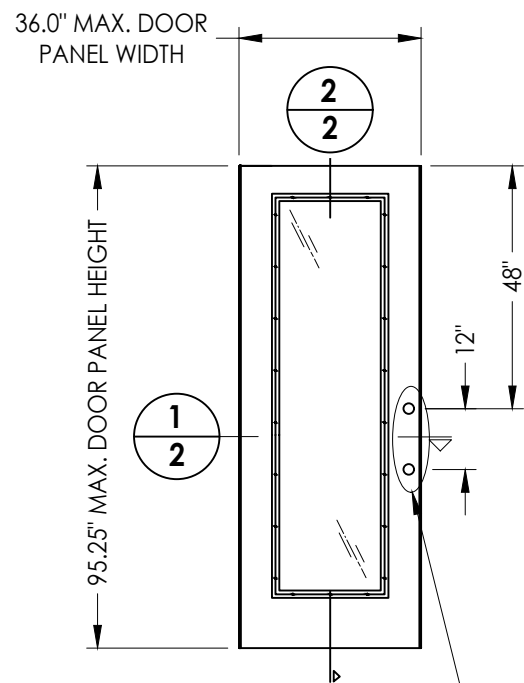
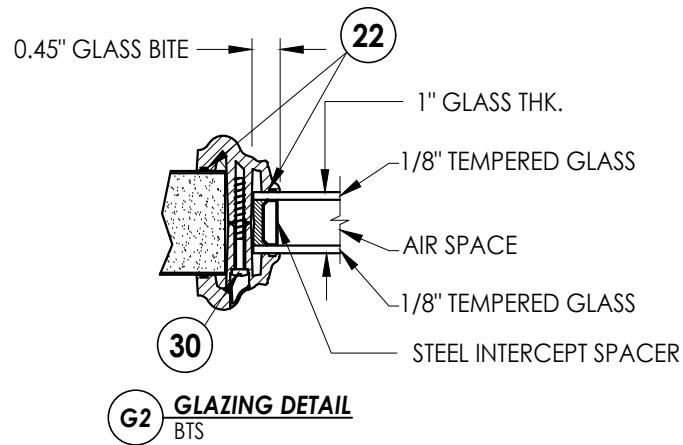
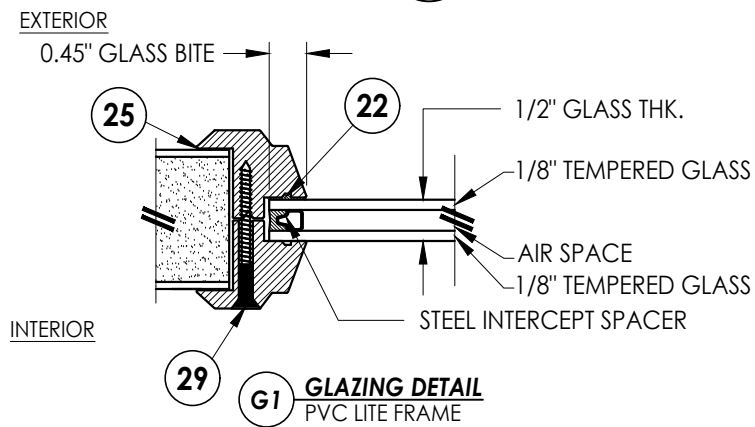
PRODUCT: THERMA-TRU
STEEL DOOR

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

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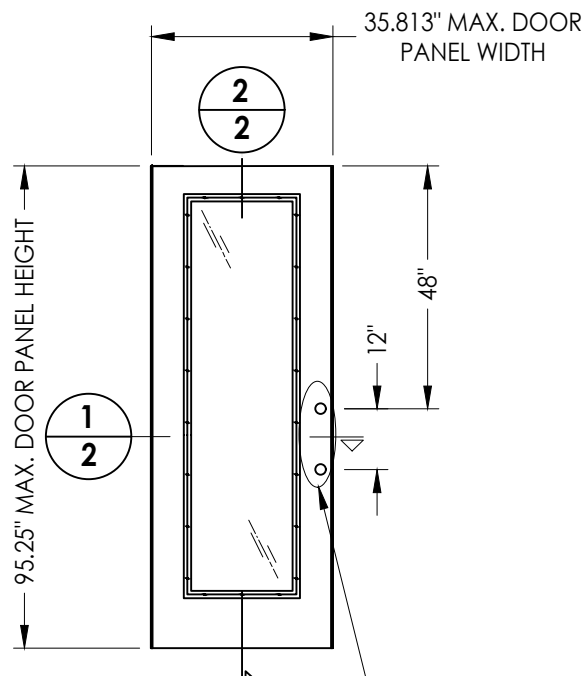


1
2 HORIZONTAL CROSS SECTION



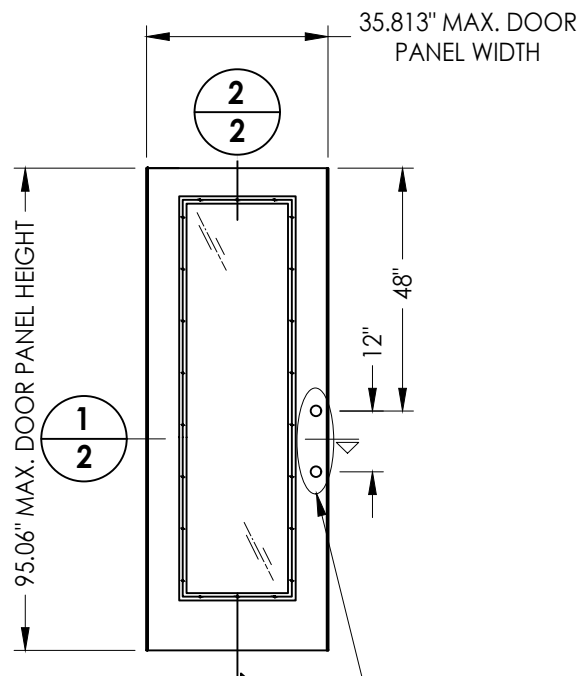
40 DOOR PANEL
BOOK

SEE HARDWARE CHART



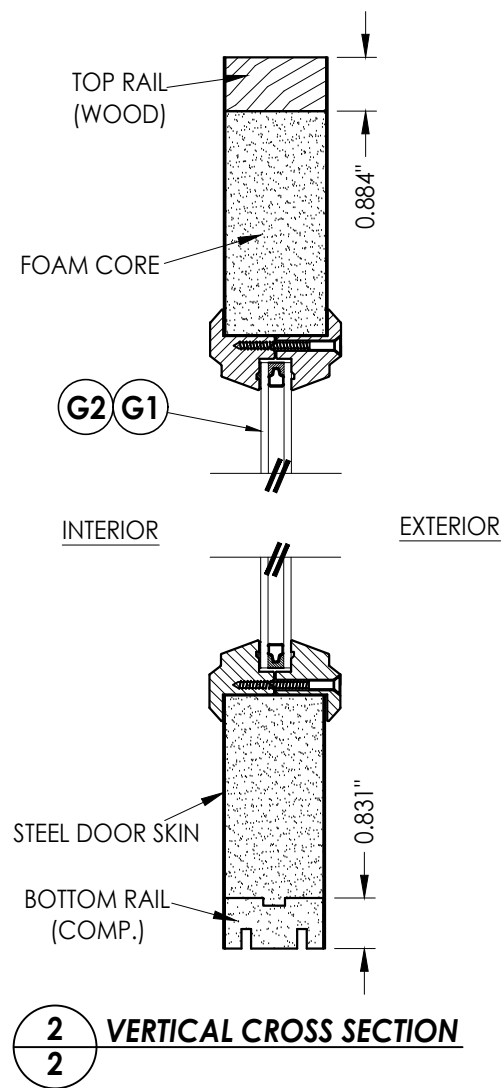
41 DOOR PANEL
Hybrid Door

SEE HARDWARE CHART



42 DOOR PANEL
U1 Door

SEE HARDWARE CHART



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

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PRODUCT: THERMA-TRU STEEL DOOR

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

REVISIONS			
NO.	DATE	BY	PO
3	7/02/26	UPDATE TO 9TH ED. (2026)	FBC LFS
2	8/17/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	7/15/20	UPDATE TO 7th ED (2020)	FBC PO

DATE: 10/12/17

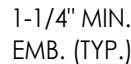
SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-23507.15

SHEET 2 OF 7



INTERIOR

Shown w/ 1X sub-buck



INTERIOR

HORIZONTAL CROSS SECTION

1-1/4" MIN.
EMB. (TYP.)

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

R⁹W

**THERMA-TRU
STEEL DOOR**

ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

[illegible]

DATE: 10/12/17

SCALE: N.T.S.

DWG. BY: JK

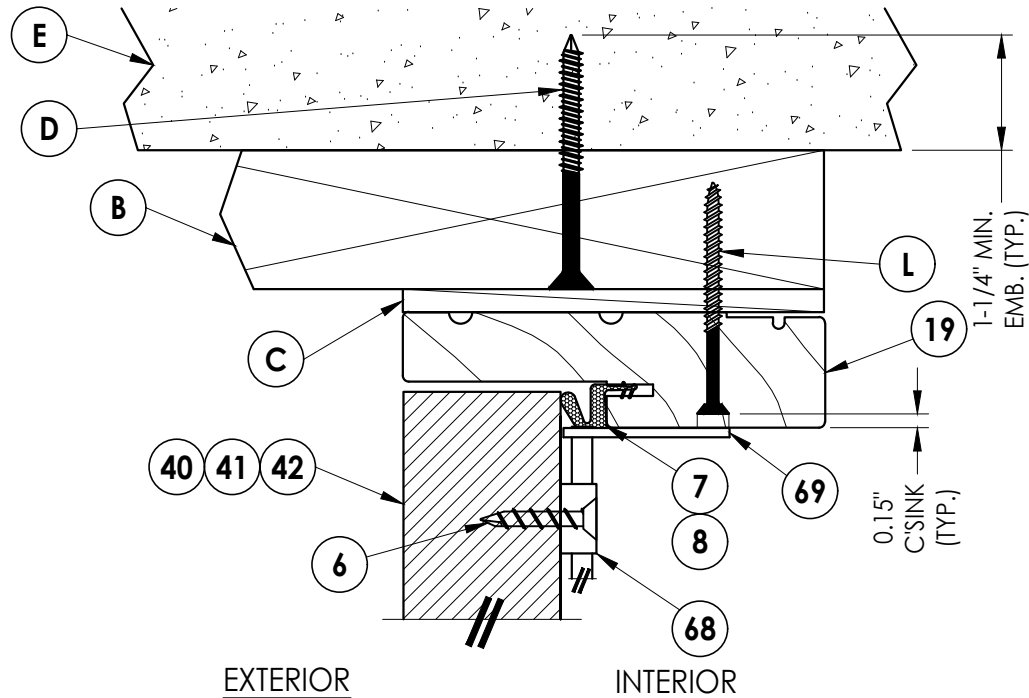
CHK. BY: LFS

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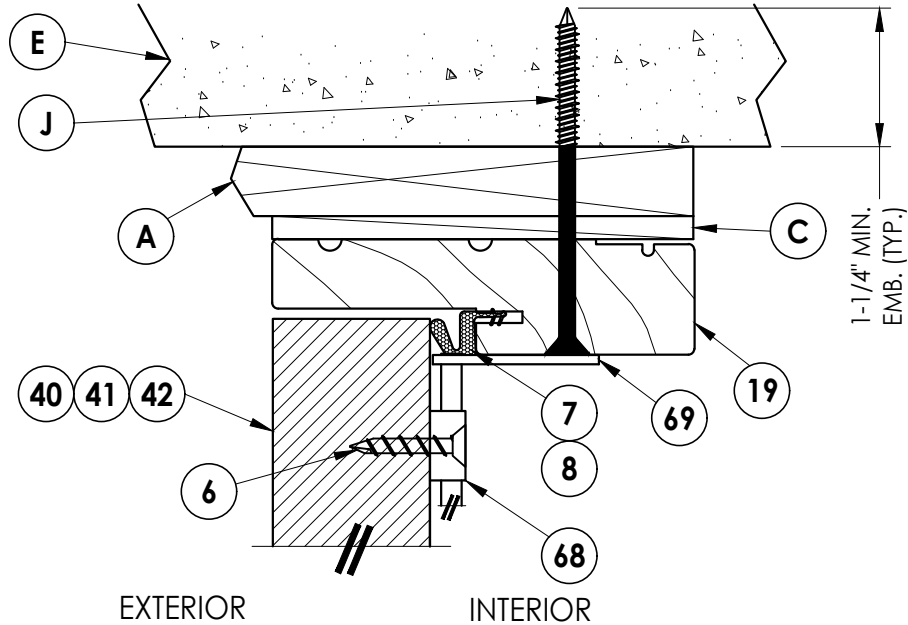
FL-23507.15

SHEET 3 OF 7

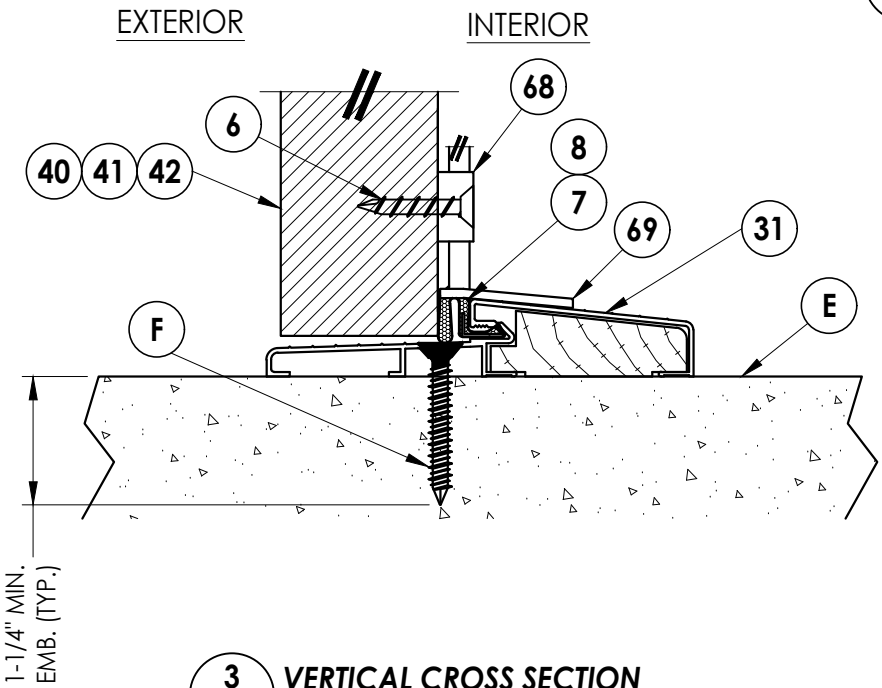
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1
4 VERTICAL CROSS SECTION



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



3
4 VERTICAL CROSS SECTION
Outswing

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PRODUCT: THERMA-TRU STEEL DOOR		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS	
3	7/02/26	UPDATE TO 9TH ED. (2026)	FBC LFS
2	8/17/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	7/15/20	UPDATE TO 7th ED (2020)	FBC PO
NO.	DATE		BY
REVISIONS			
DATE: 10/12/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-23507.15			
SHEET 4 OF 7			

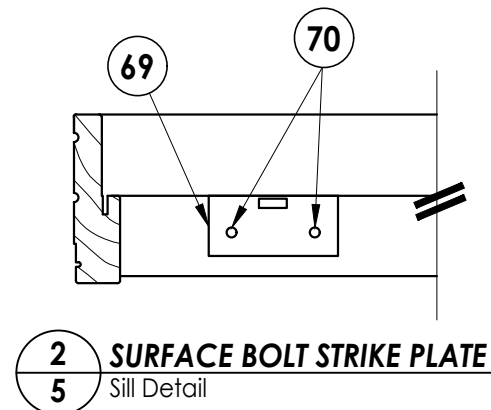
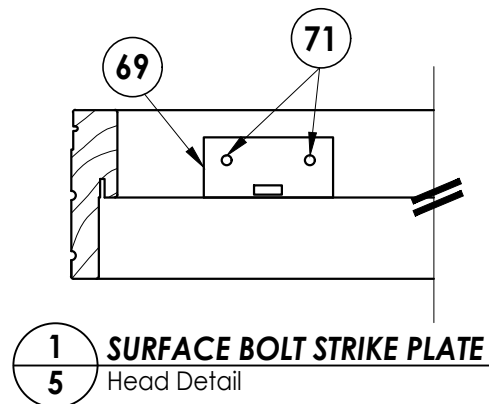
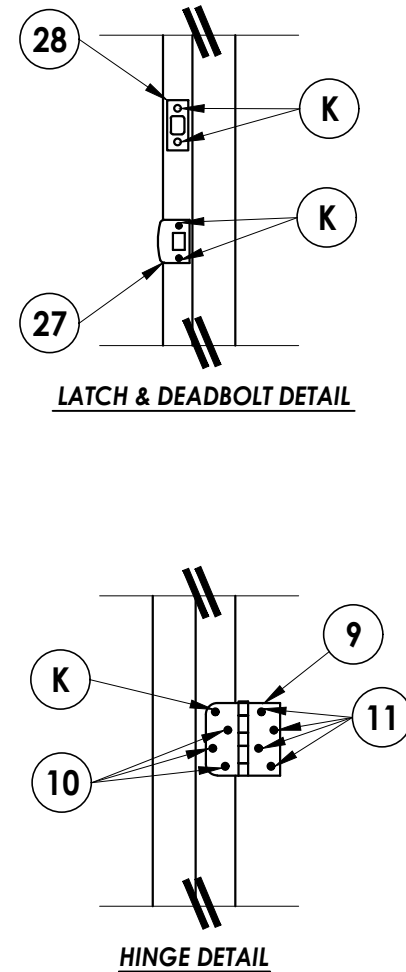
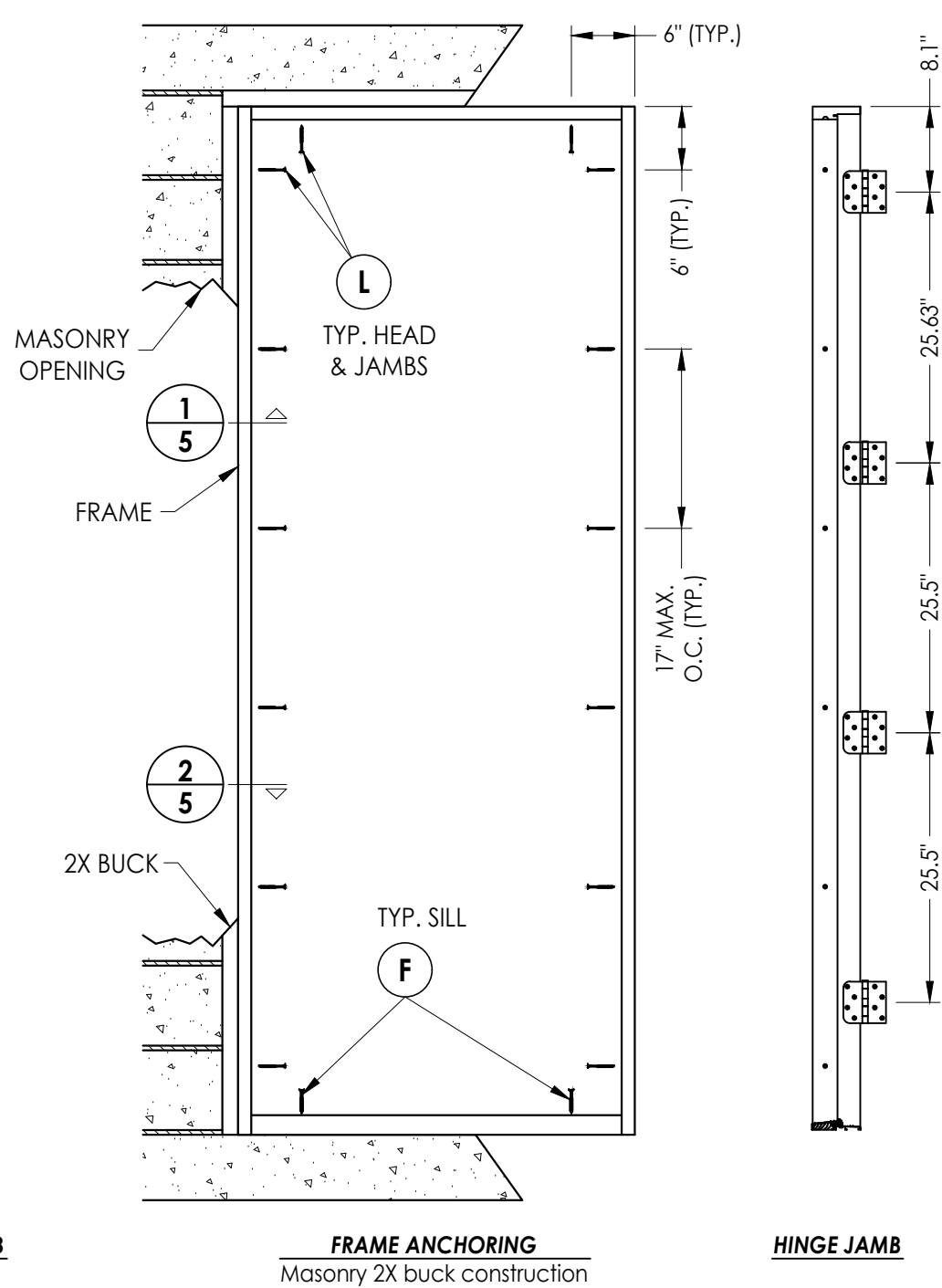
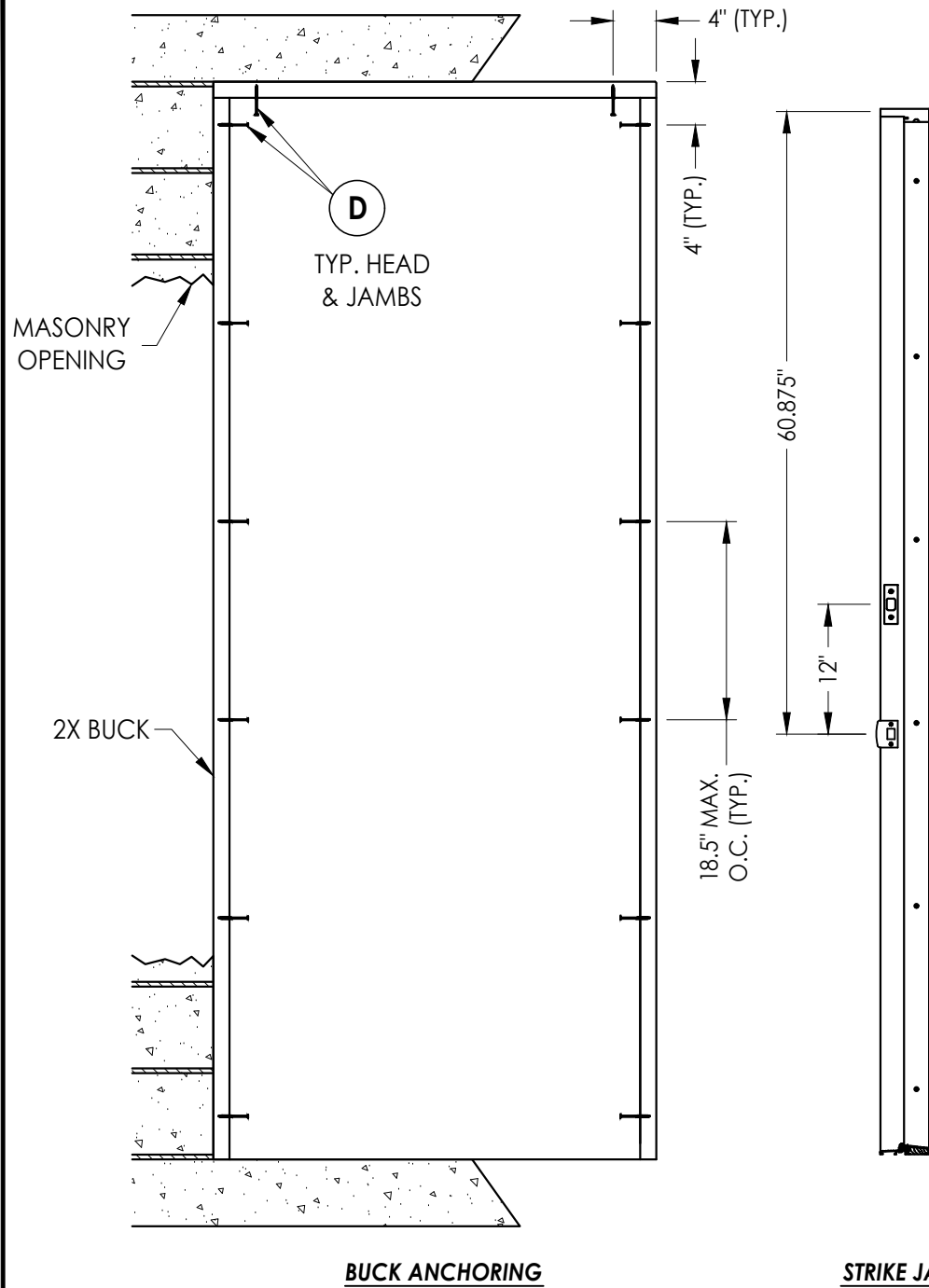
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Diagram illustrating the connection of the unit to the wall. The unit is shown mounted on a wall. The connection points are labeled 69 and 72. The unit is connected to the wall via a cable and a plug.

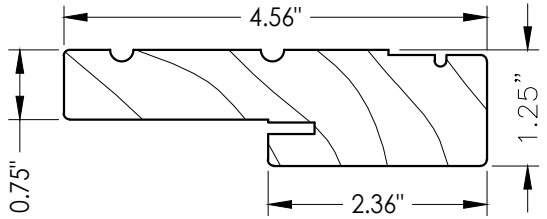
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409					
BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813					
THERMA-TRU STEEL DOOR					
PART OR ASSEMBLY: FRAME ANCHORING 1X BUCK MASONRY CONSTRUCTION					
3	7/02/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS
2	8/17/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
1	7/15/20	UPDATE TO 7th ED	(2020)	FBC	PO
NO.	DATE				BY
REVISIONS					
DATE: 10/12/17					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-23507.15					
SHEET	6	OF	7		

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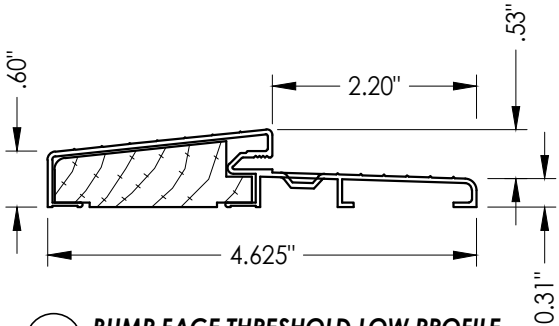
BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	MAX. 1/4" SHIM SPACE	WOOD
D	1/4" X 2-3/4" PFH DeWALT CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 1-3/4" ITW CONCRETE 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)

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



19 20 HEAD & SIDE
Jamb



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	
PRODUCT: THERMA-TRU STEEL DOOR		PART OR ASSEMBLY: BILL OF MATERIALS, COMPONENTS	
		LFS	BY
		FBC	
	UPDATE TO 9TH ED. (2026)	FBC	
	UPDATE TO 8TH ED. (2023)	FBC	
	UPDATE TO 7th ED (2020)	FBC	
	NO. 1	DATE	
REVISIONS			
DATE: 10/12/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-23507.15			
SHEET 7 OF 7			