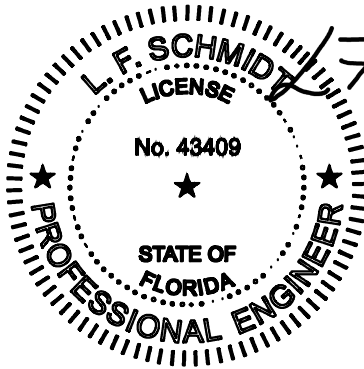




Digitally signed by Lyndon F Schmidt
Date: 2023.08.17 15:54:15 -04'00'

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

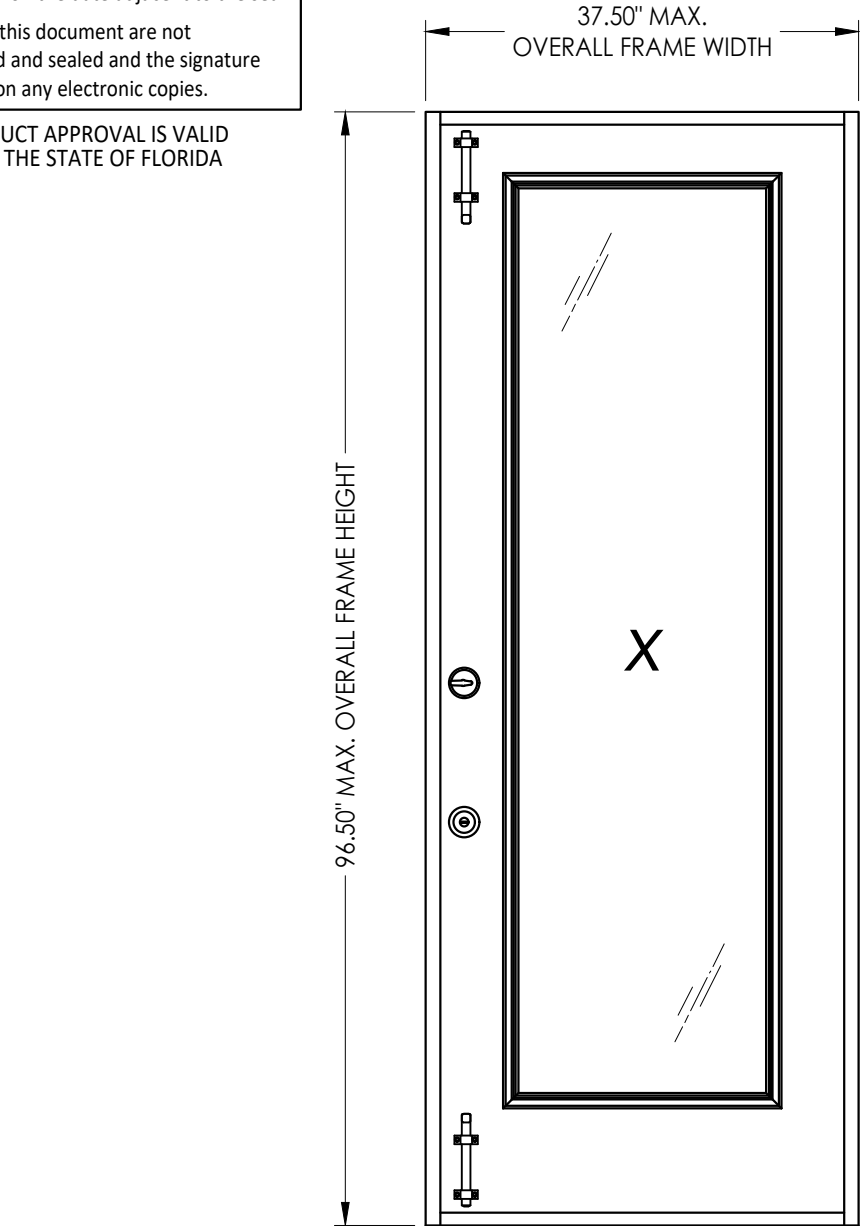
GLAZED STEEL SINGLE DOOR

OUTSWING

"NON-IMPACT"

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 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.



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

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

PRODUCT:

THERMA-TRU
STEEL DOOR

PART OR ASSEMBLY:

TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

DATE

10/12/17

SCALE:

N.T.S.

DWG. BY:

JK

CHK. BY:

LFS

DRAWING NO.:

FL-23507.15

SHEET

1

OF

7

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

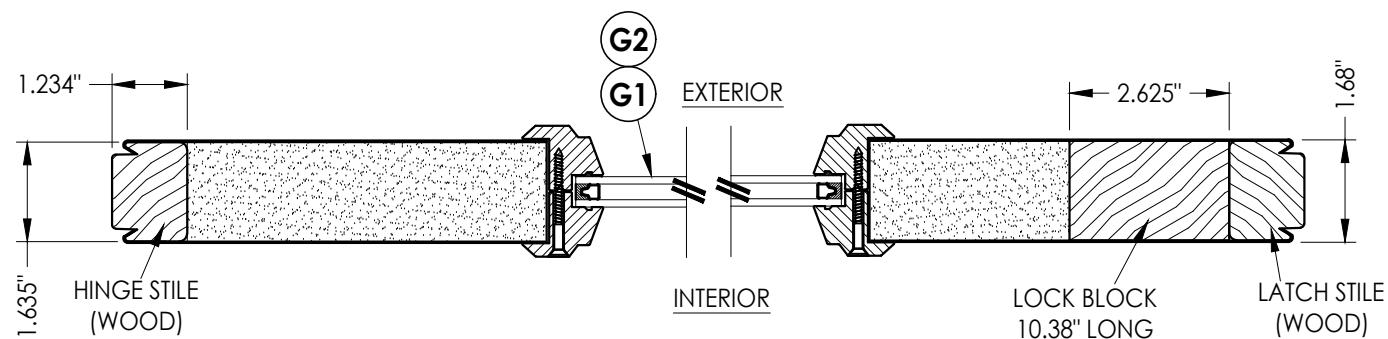
BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

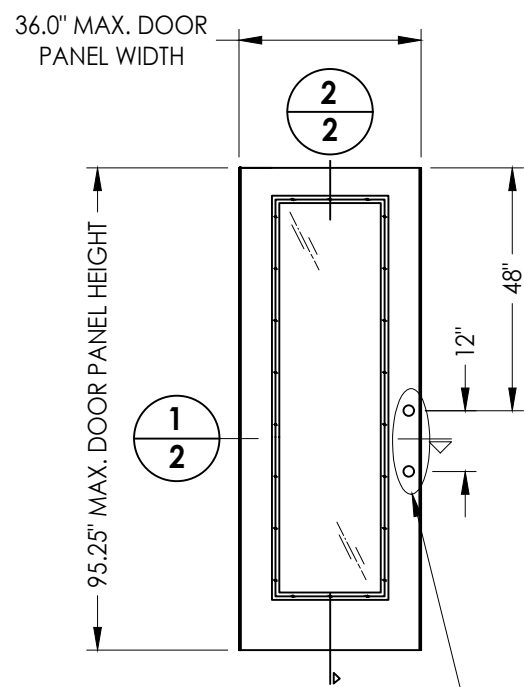
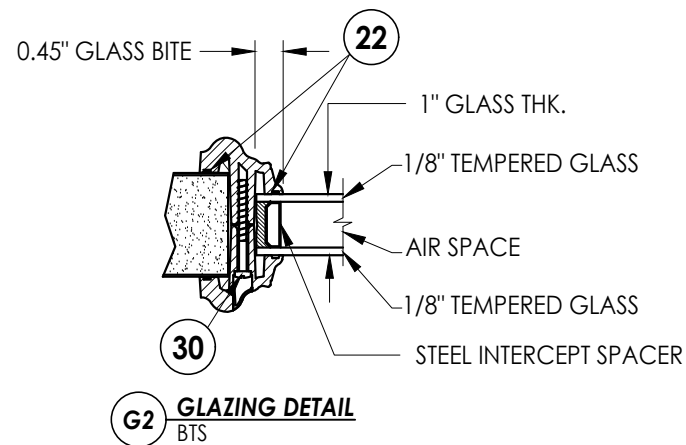
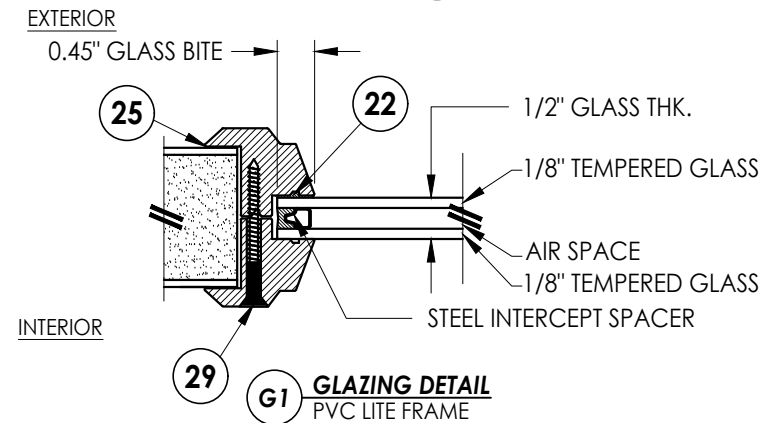
Phone No.: 813.659.9197

FBPE Registry No. 9813

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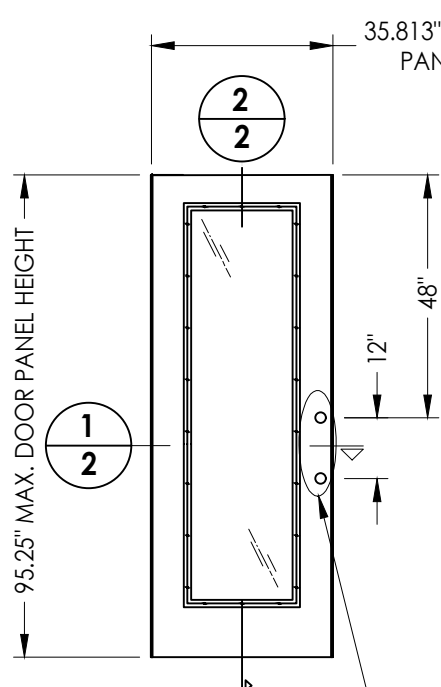


1
2 HORIZONTAL CROSS SECTION



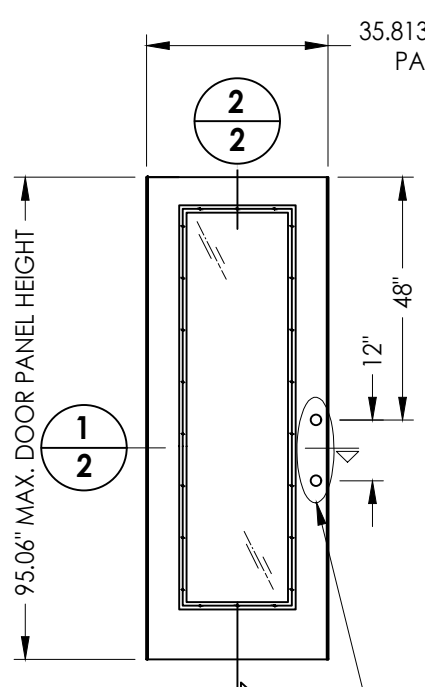
40 DOOR PANEL
BOOK

SEE HARDWARE CHART



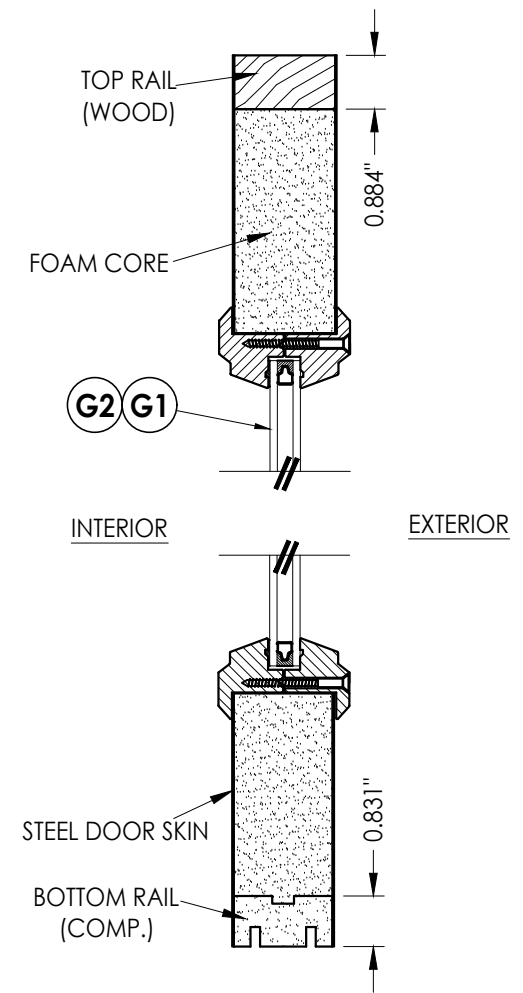
41 DOOR PANEL
Hybrid Door

SEE HARDWARE CHART



42 DOOR PANEL
U1 Door

SEE HARDWARE CHART



2
2 VERTICAL CROSS SECTION

HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	Knob:	KWIKSET SERIES
	Deadbolt:	KWIKSET SERIES (660)

"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.)

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

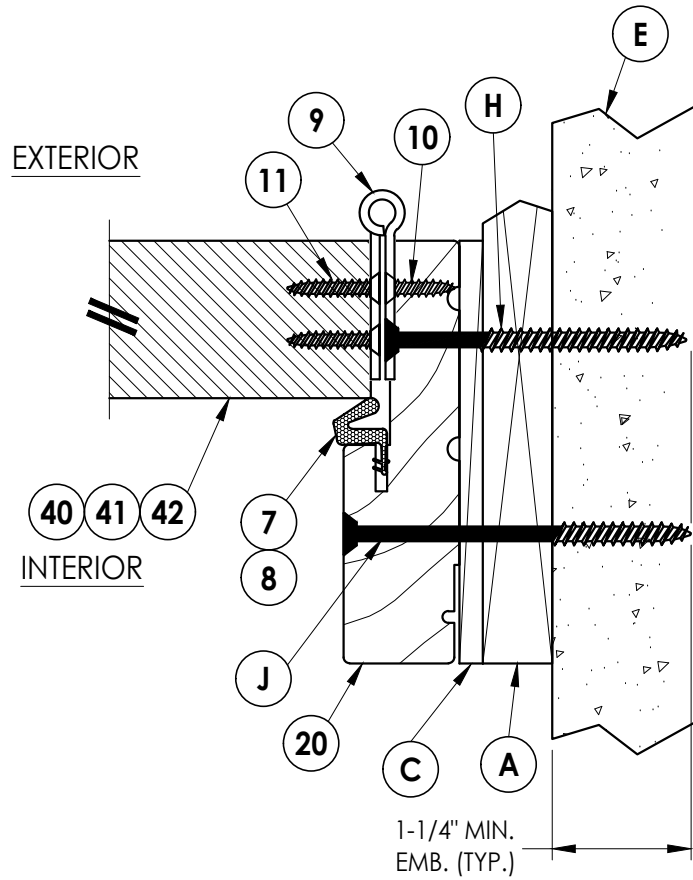
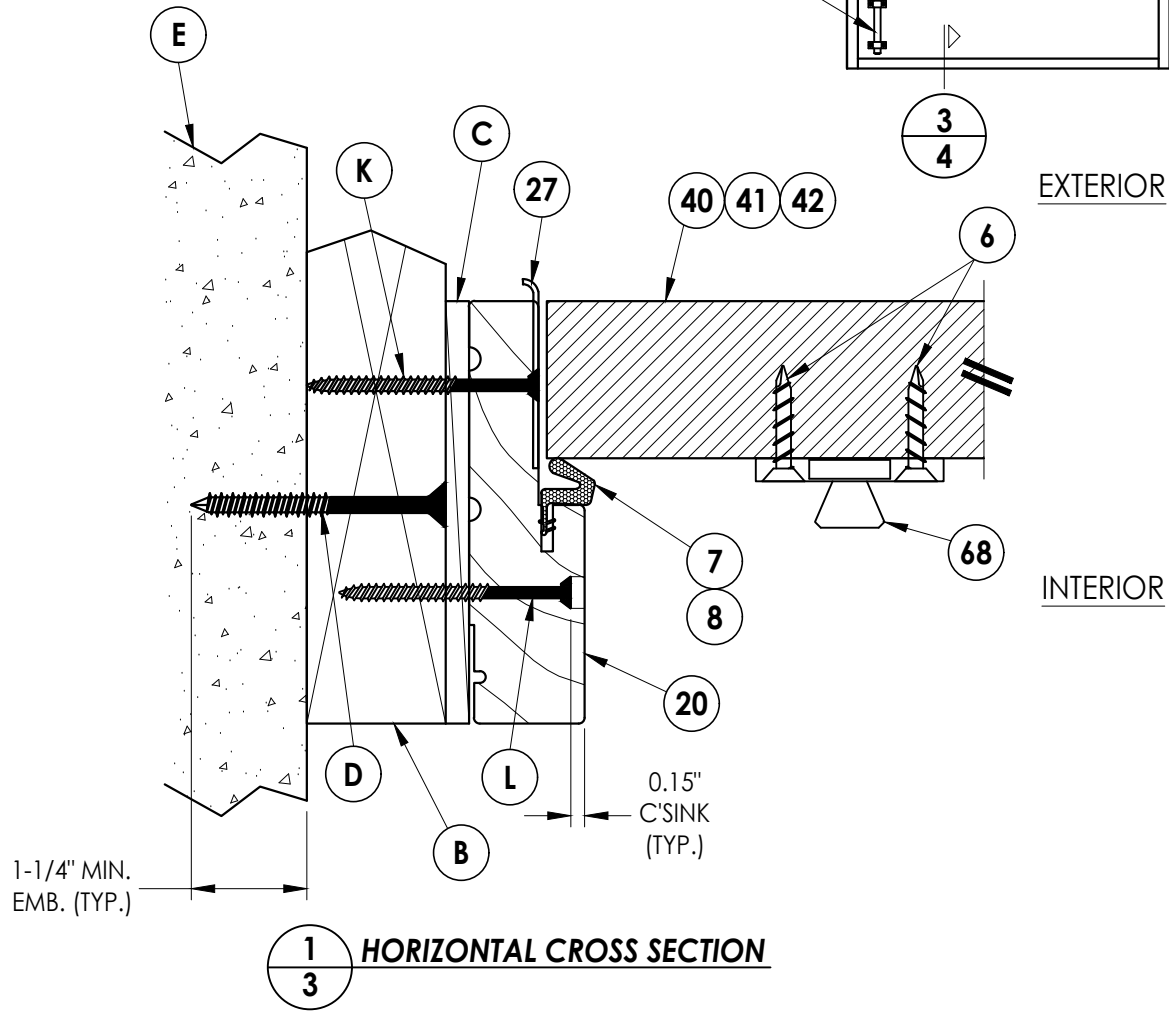
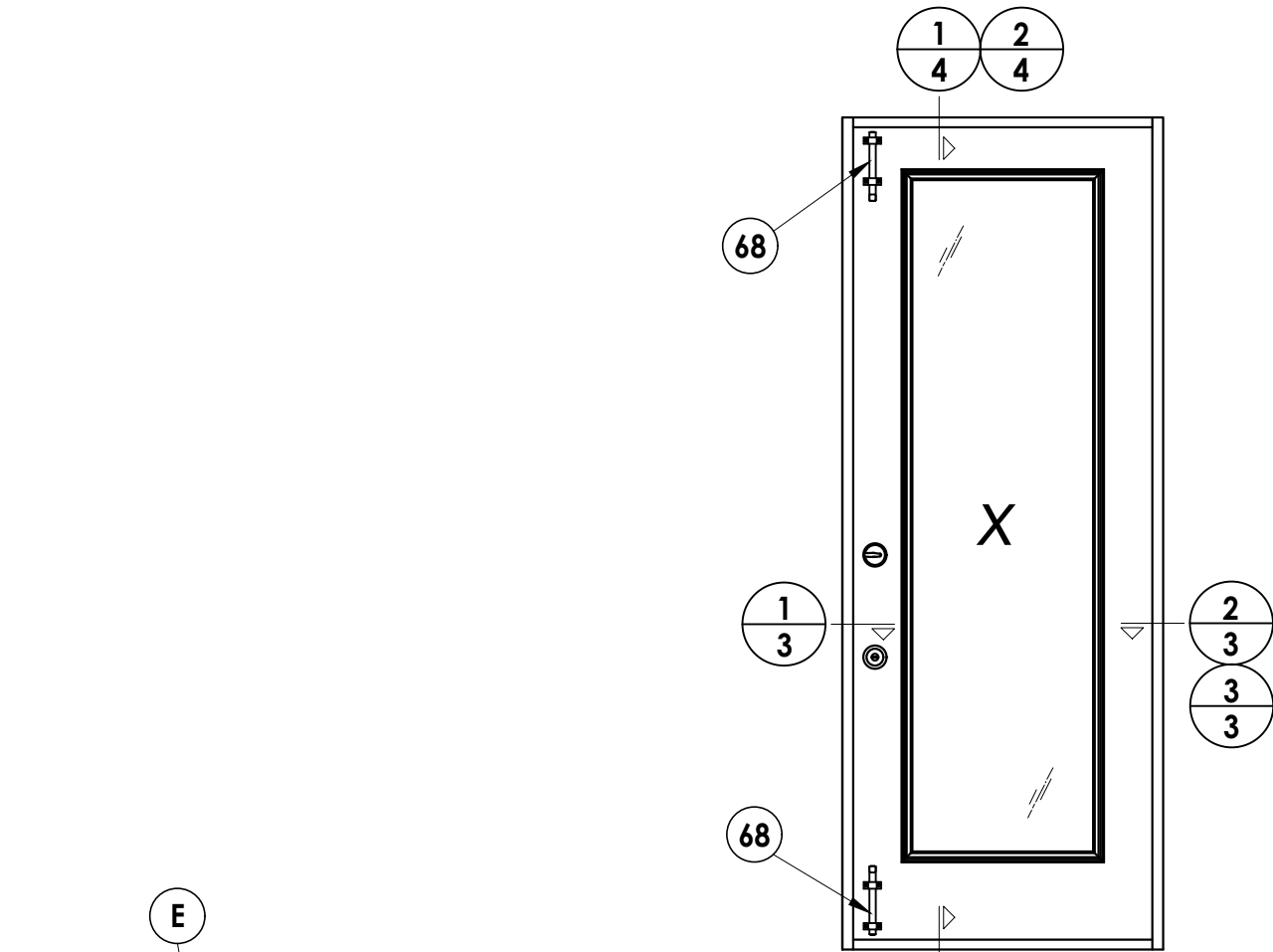
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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

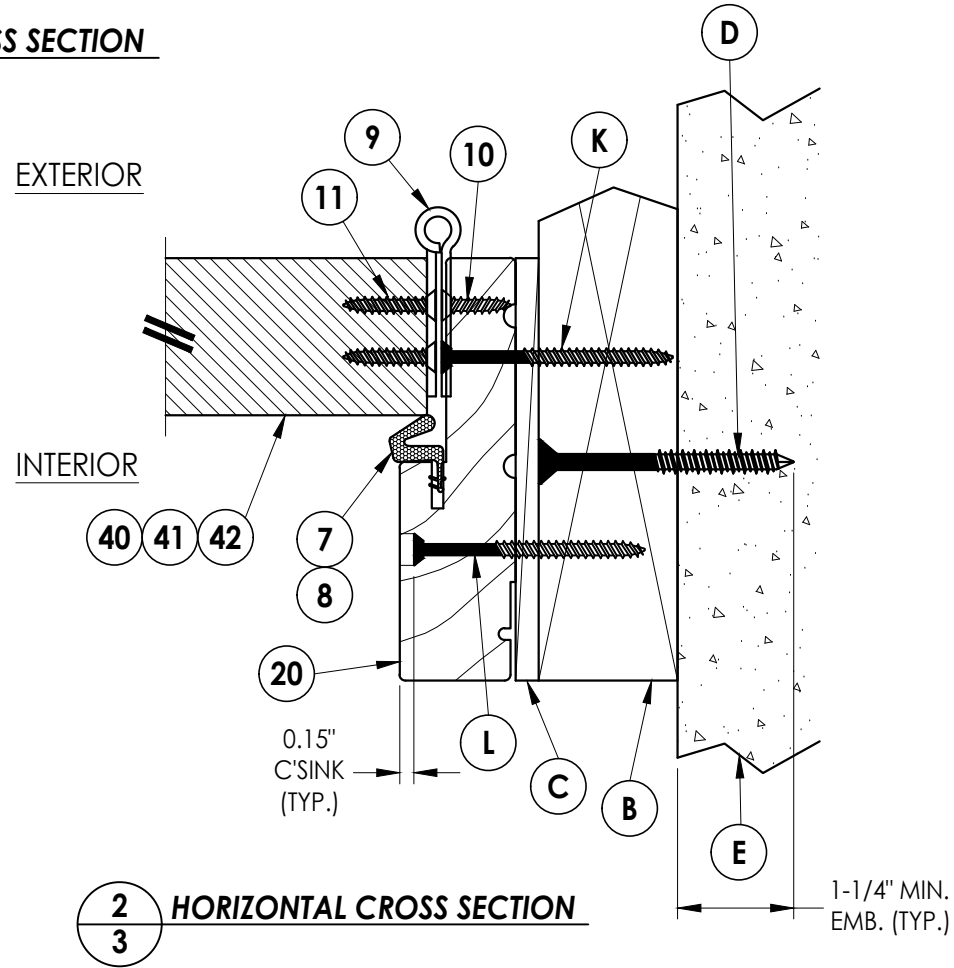
REVISIONS			
NO.	DATE	BY	
2	8/17/23	UPDATE TO 8TH ED. (2023)	LFS
1	7/15/20	UPDATE TO 7th ED (2020)	FBC

DATE:	10/12/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-23507.15
SHEET	2 OF 7

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



2
3 **HORIZONTAL CROSS SECTION**

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:
HORIZONTAL
CROSS SECTIONS

DATE: 10/12/17

SCALE: N.T.S.

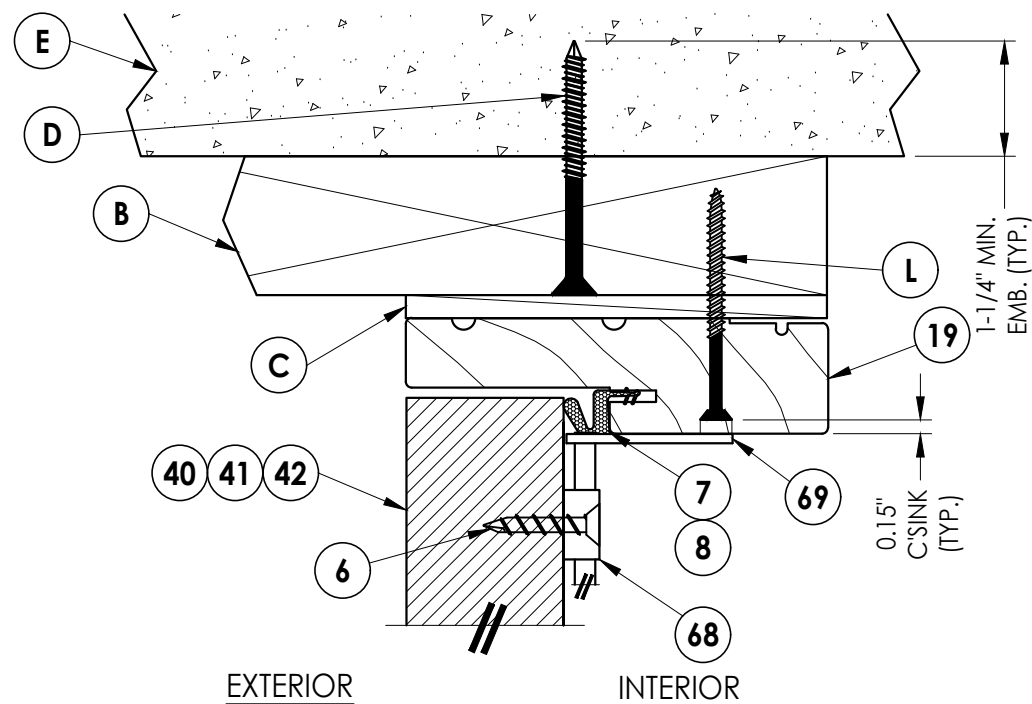
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CHK. BY: LFS

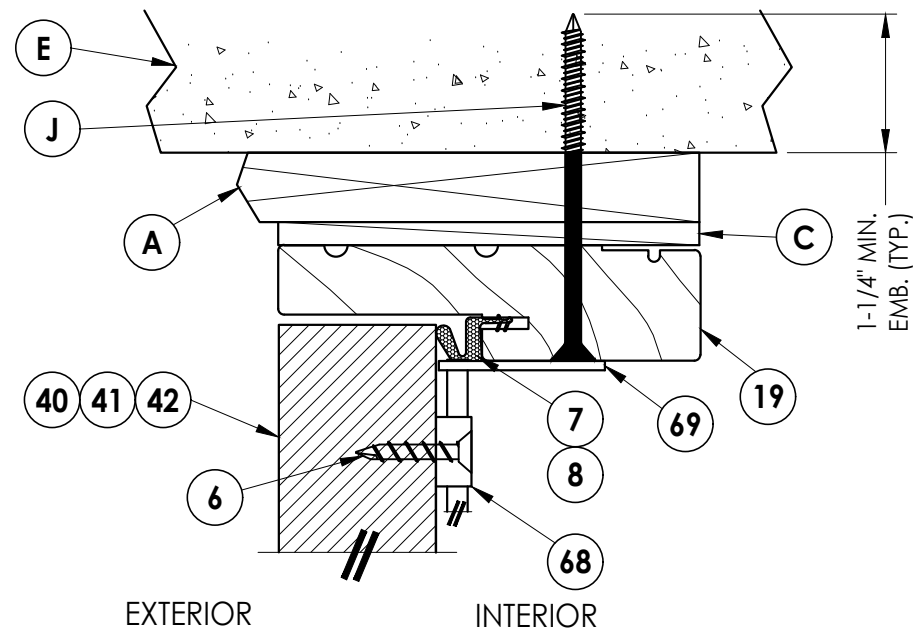
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SHEET 3 OF 7

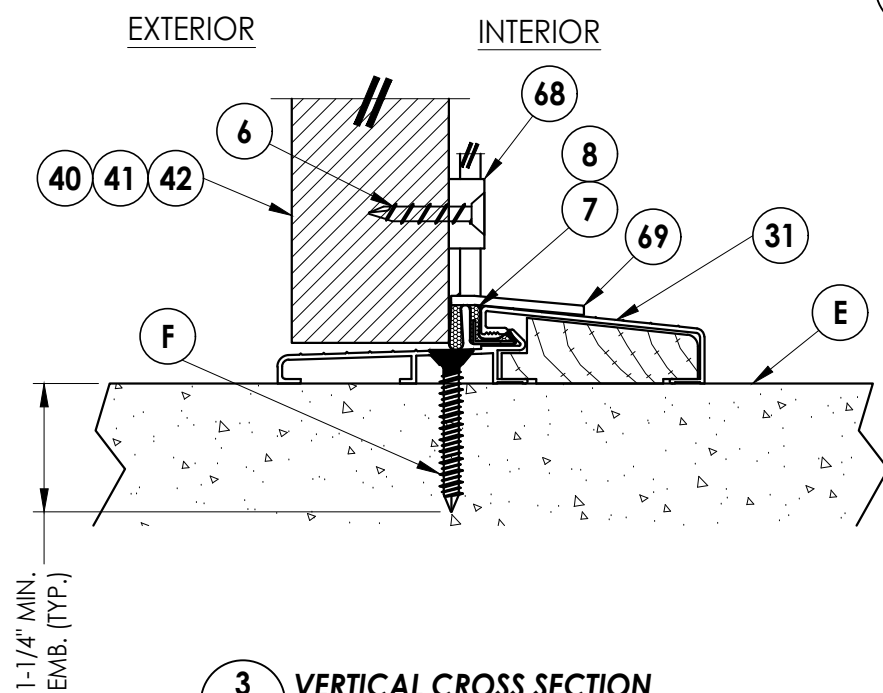
REVISIONS			
NO.	DATE	BY	PO
2	8/17/23	UPDATE TO 8TH ED. (2023)	FBC
1	7/15/20	UPDATE TO 7th ED (2020)	FBC



1 **VERTICAL CROSS SECTION**
4



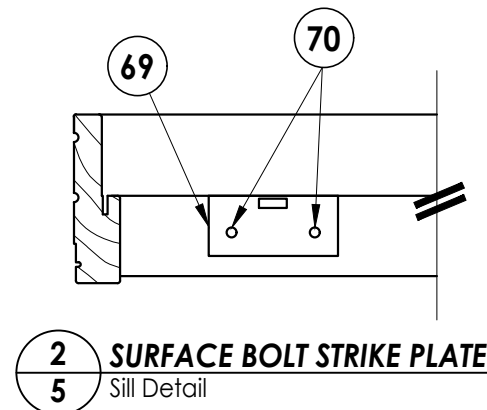
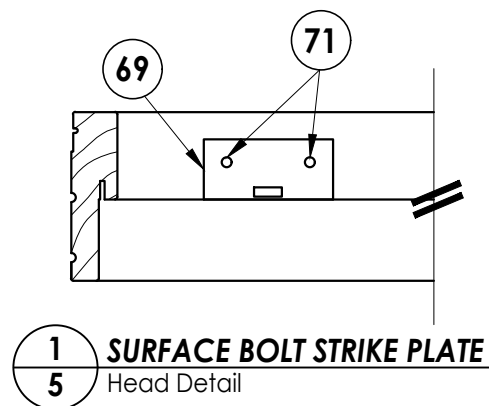
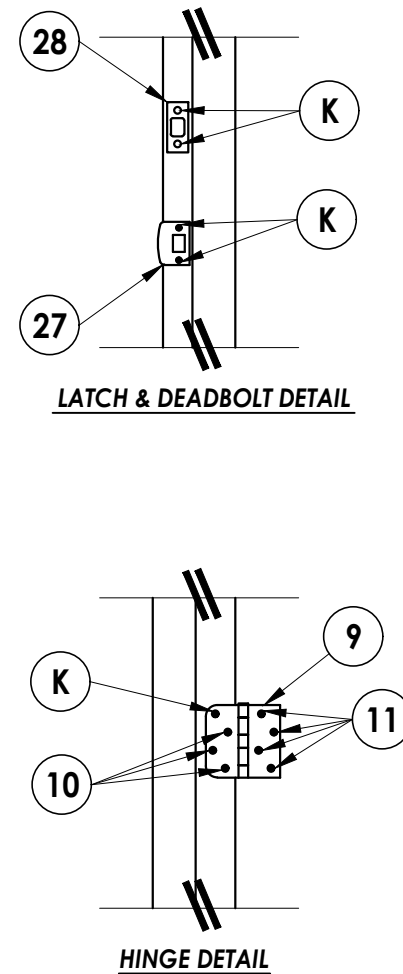
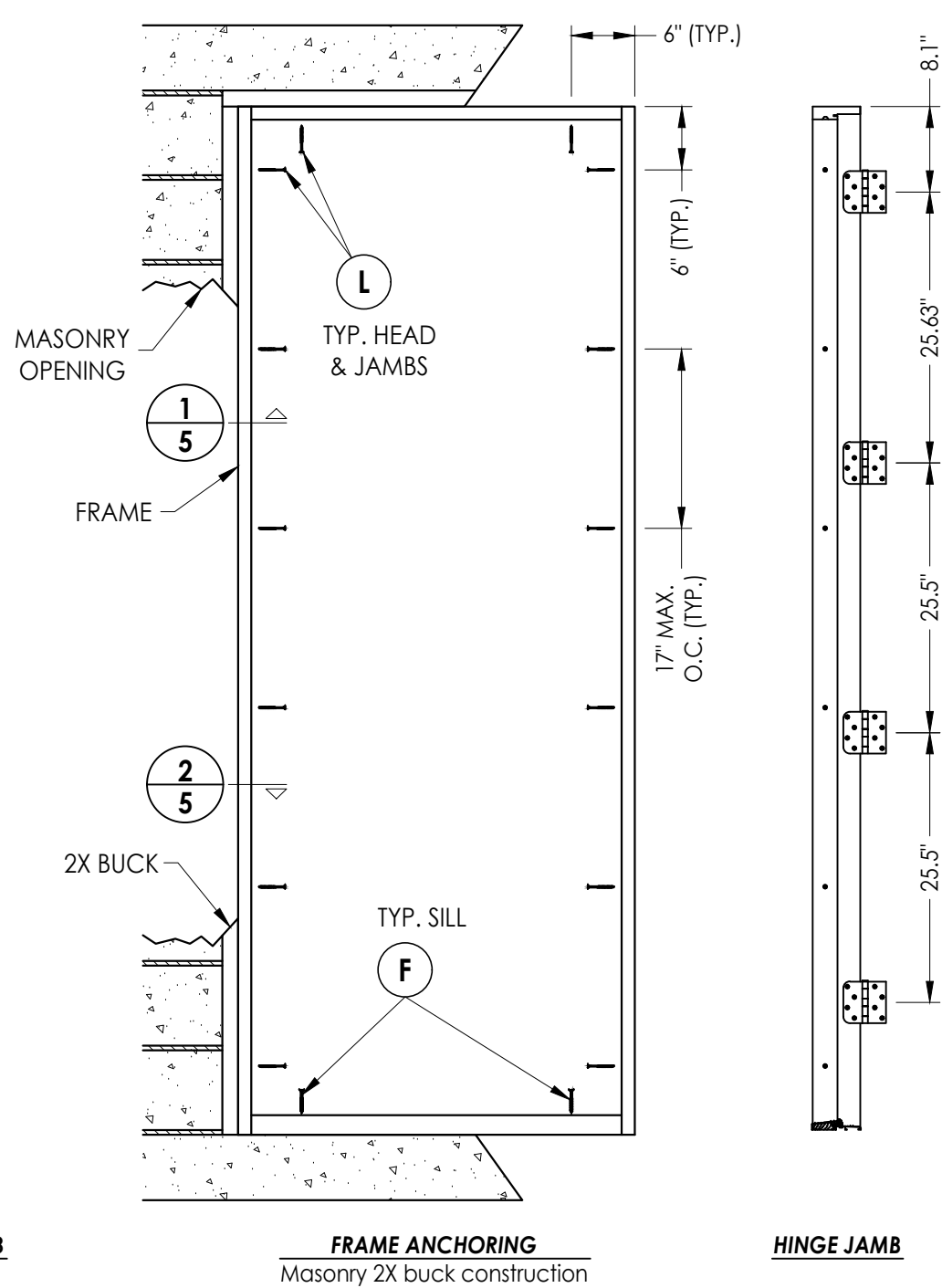
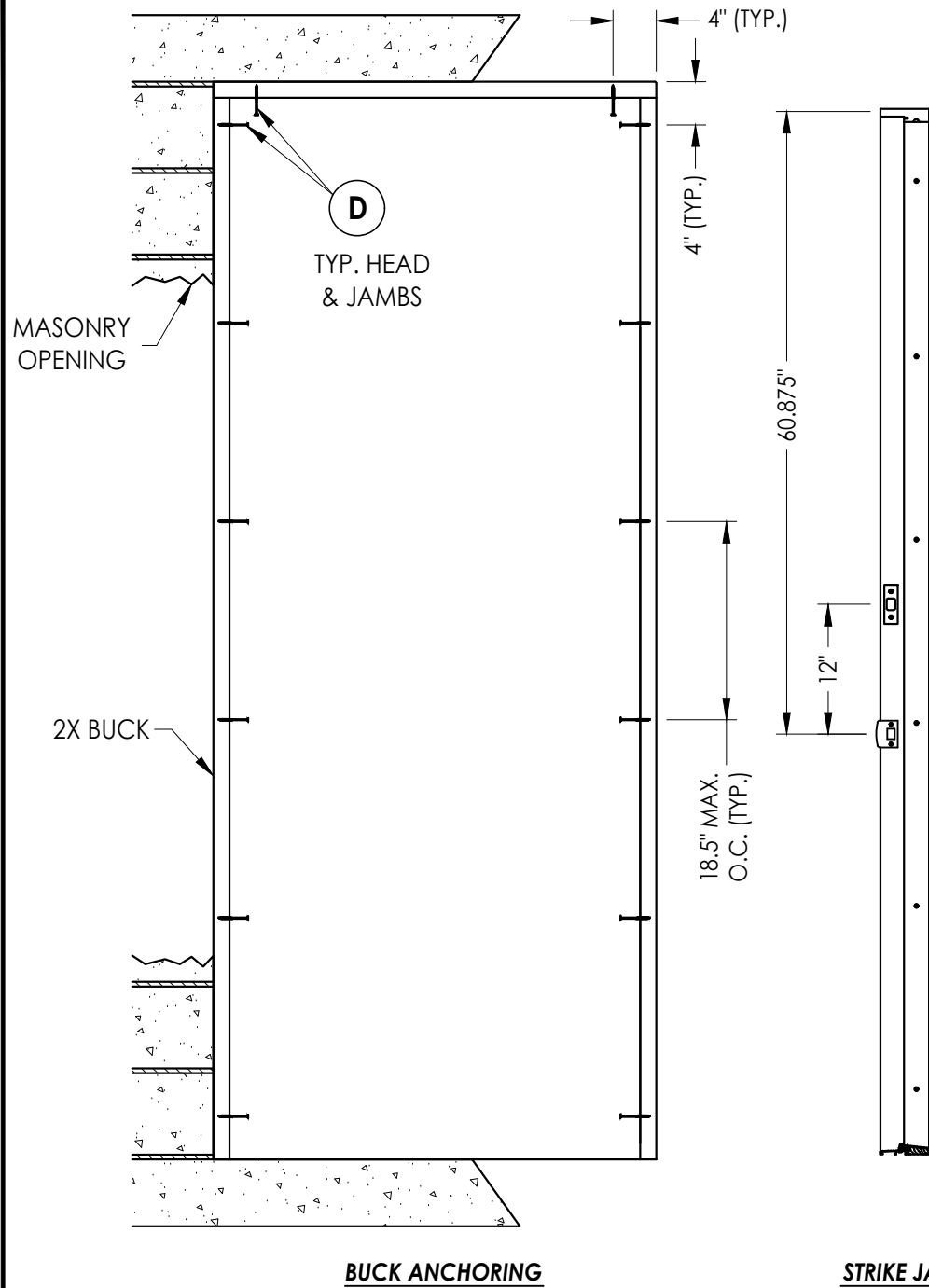
2 **VERTICAL CROSS SECTION**
4 Shown w/ 1X sub-buck



3 VERTICAL CROSS SECTION

4 Outswing

[illegible]



DATE: 10/12/17												Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.												BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: JK												RW	
CHK. BY: LFS													
DRAWING NO.: FL-23507.15													
SHEET 5 OF 7													

6" (TYP.)

6" (TYP.)

17" MAX. O.C. (TYP.)

MASONRY OPENING

FRAME

1X BUCK

J

TYP. HEAD & JAMBS

1/6

2/6

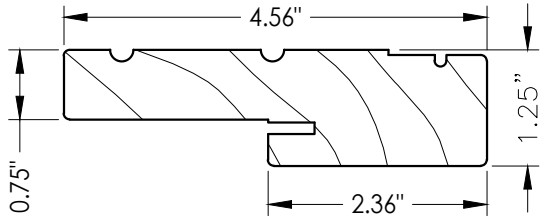
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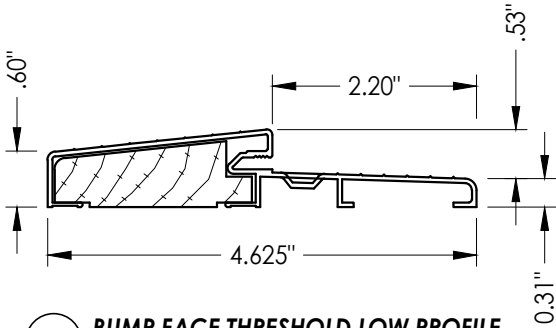
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BILL OF MATERIALS		
ITEM	DESCRIPTION	MATERIAL
A	1X BUCK SG >= 0.55	WOOD
B	2X BUCK SG >= 0.55	WOOD
C	MAX. 1/4" SHIM SPACE	WOOD
D	1/4" X 2-3/4" PFH DeWALT CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK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

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
		PO	
		FBC	
		FBC	
		NO.	DATE
		2	8/17/23
		1	7/15/20
DATE: 10/12/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-23507.15			
SHEET 7 OF 7			