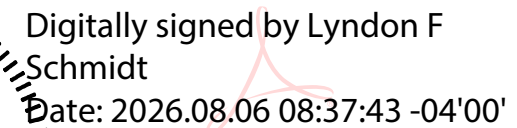


GENERAL NOTES

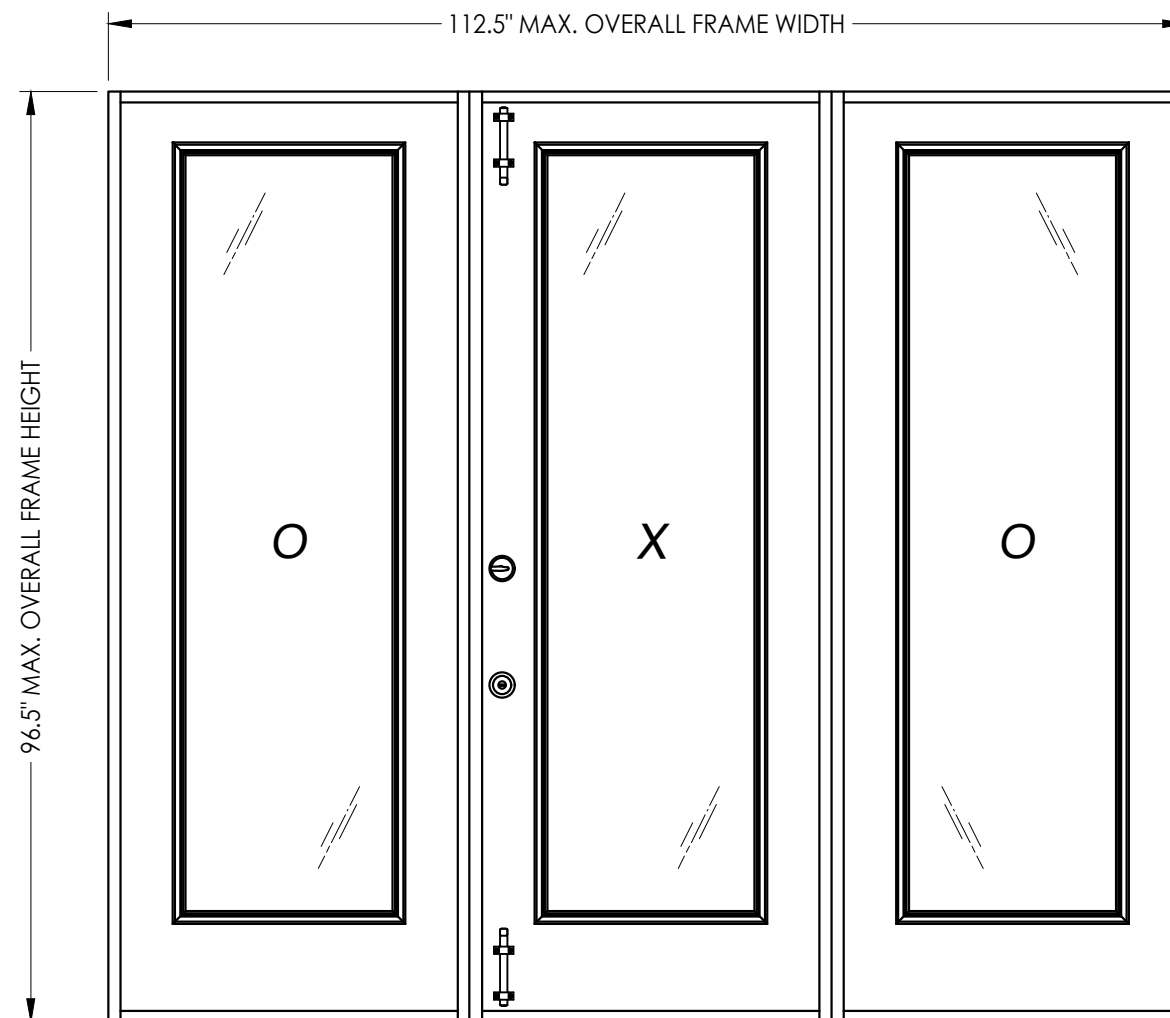
1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be 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.

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



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



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

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

R^W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33486
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: THERMA-TRU
STEEL DOOR

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

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				BY
					REVISIONS

DATE: 10/12/17

SCALE: N.T.S.

DWG. BY: JK

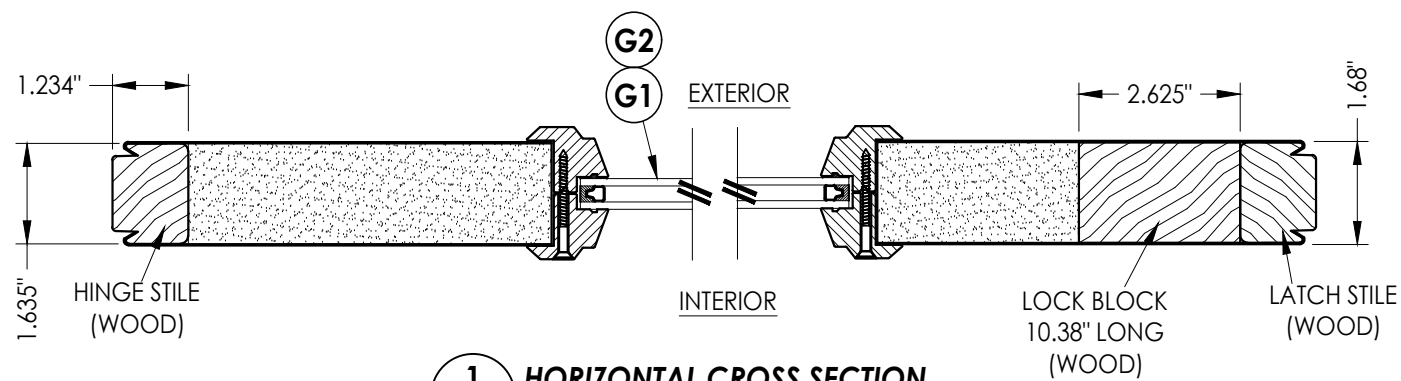
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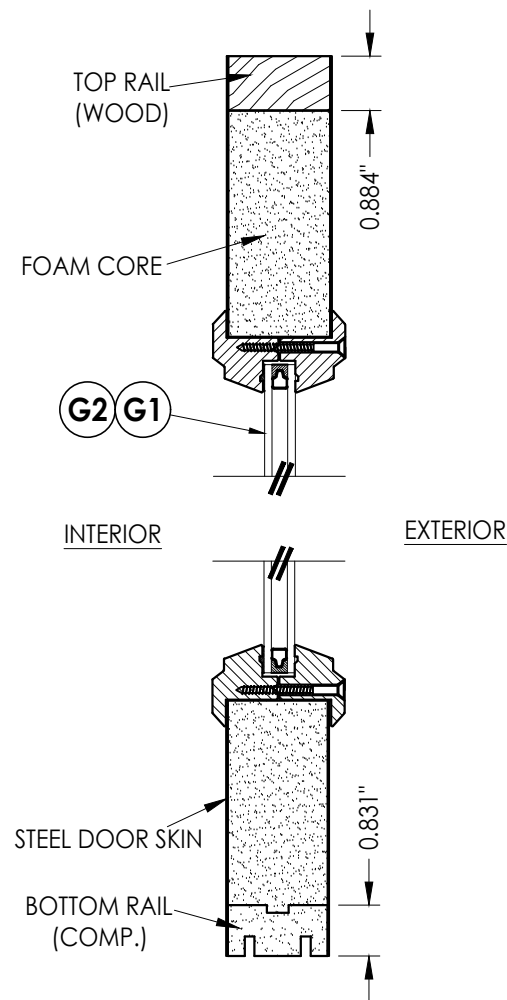
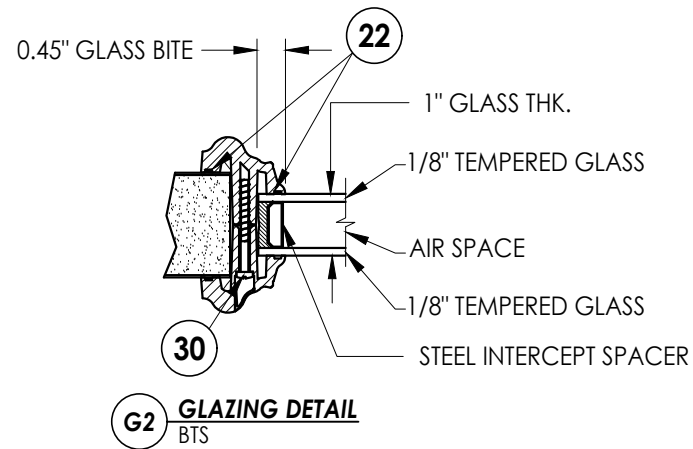
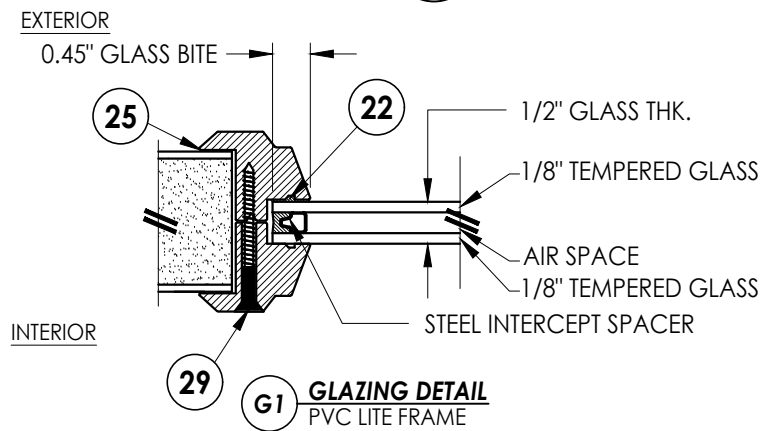
FL-21131.12

SHEET 1 OF 9

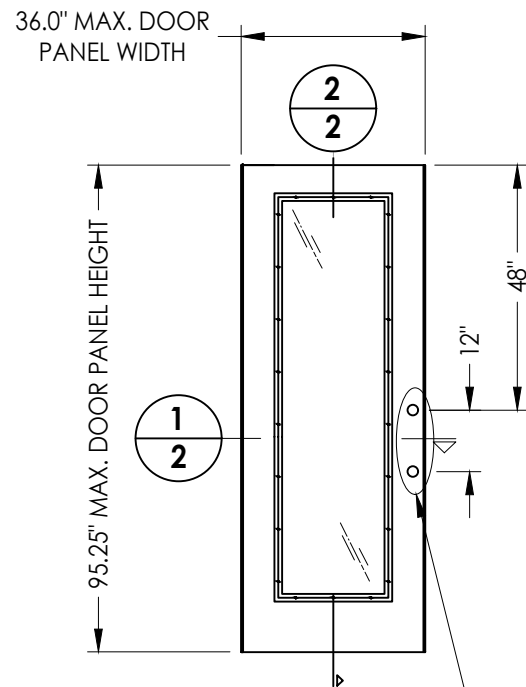
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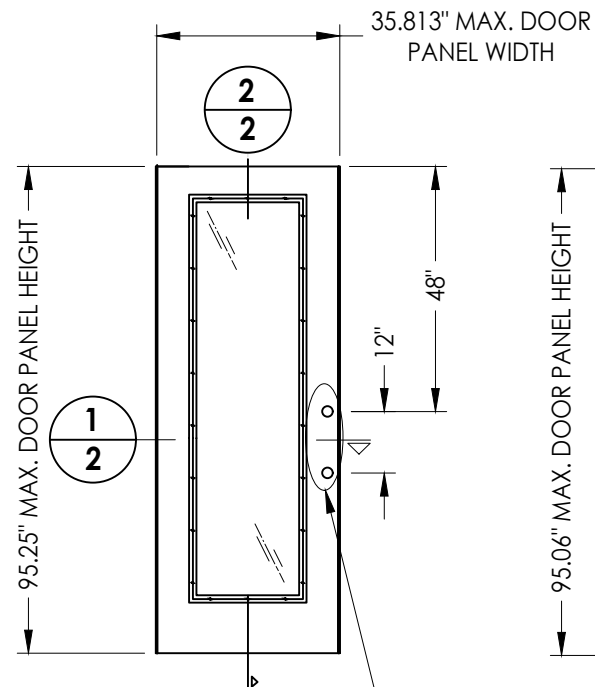
1
2 HORIZONTAL CROSS SECTION



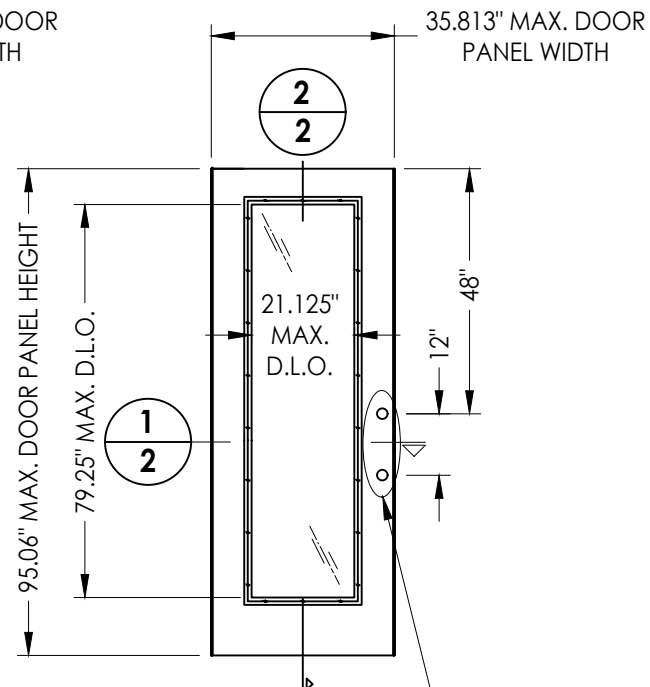
2
2 VERTICAL CROSS SECTION



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:	KWIKSET SERIES
	DEADBOLT:	KWIKSET SERIES (660)

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

PRODUCT:
THERMA-TRU
STEEL DOOR

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

DATE: 10/12/17

SCALE: N.T.S.

DWG. BY: JK

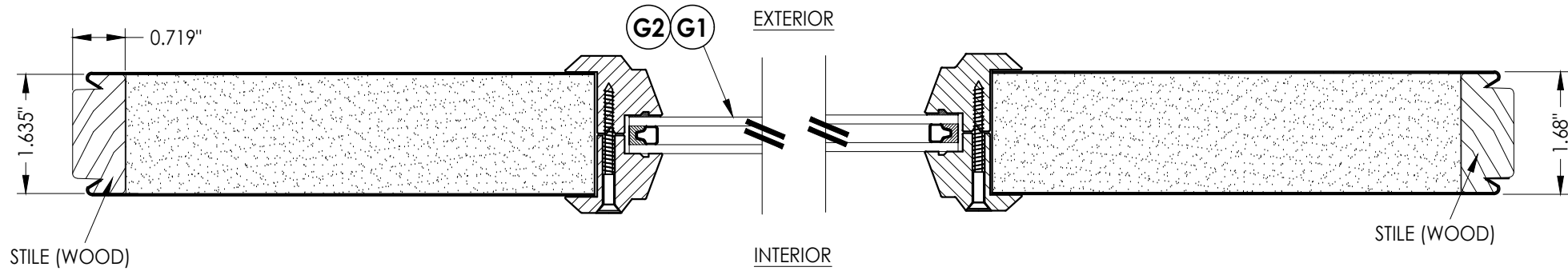
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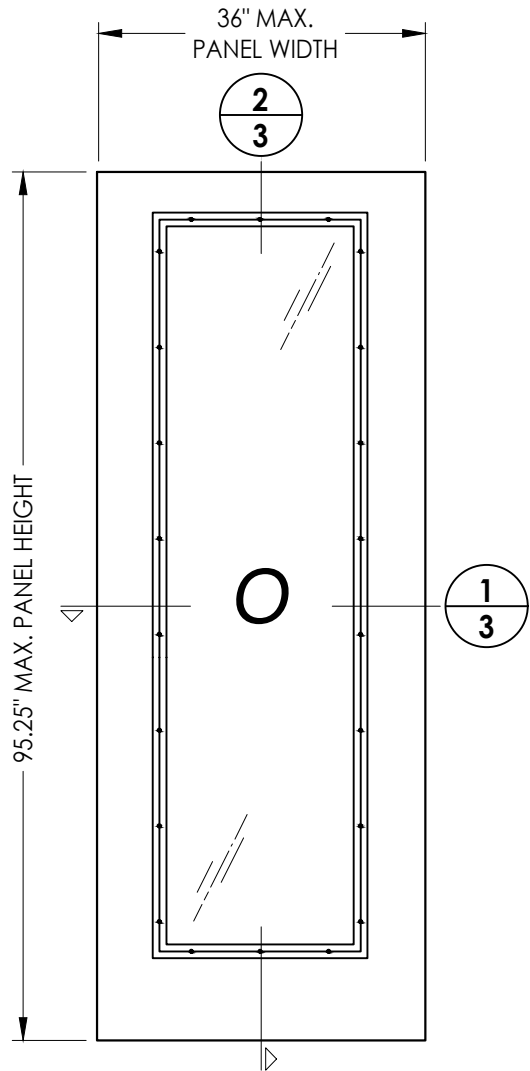
FL-21131.12

SHEET 2 OF 9

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



1 **HORIZONTAL CROSS SECTION**
3

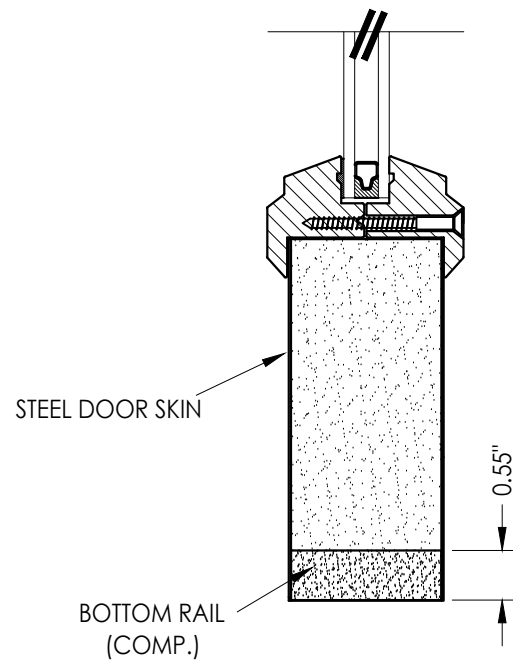
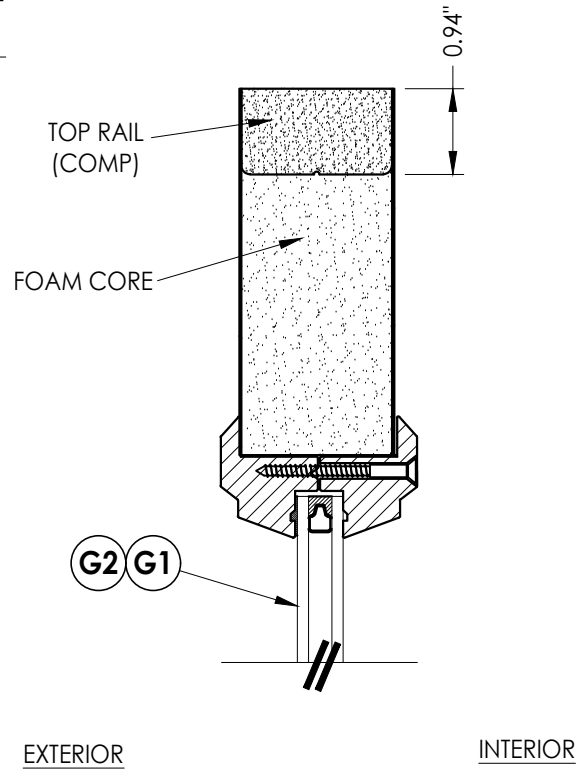


50 SIDELITE PANEL

SIDELITE PANEL

STEEL SKIN "TRADITIONS": 24 GA. (0.022" MIN. THICKNESS, $F_y = 48,470$ PSI MIN.)

FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)



2 VERTICAL CROSS SECTION

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				BY	
						REVISIONS

DATE: 10/12/17

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-21131.12

SHEET 3 OF 9

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

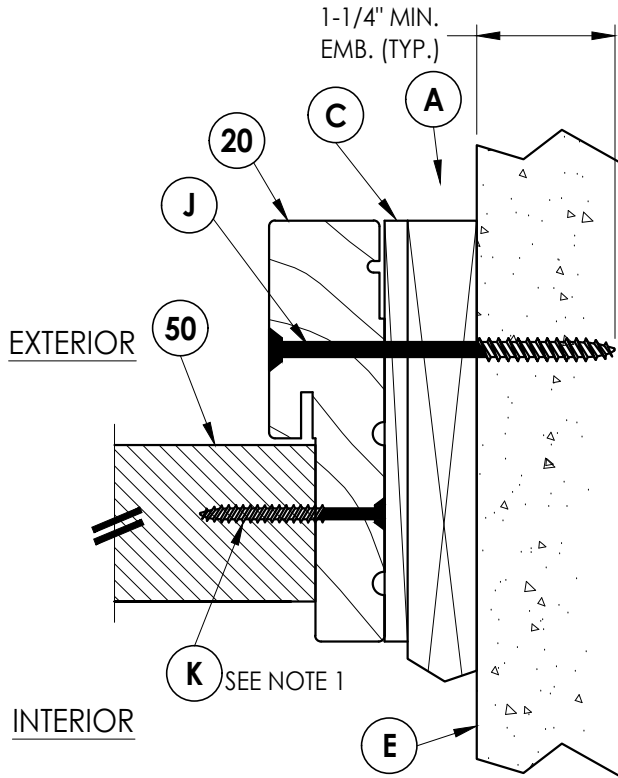
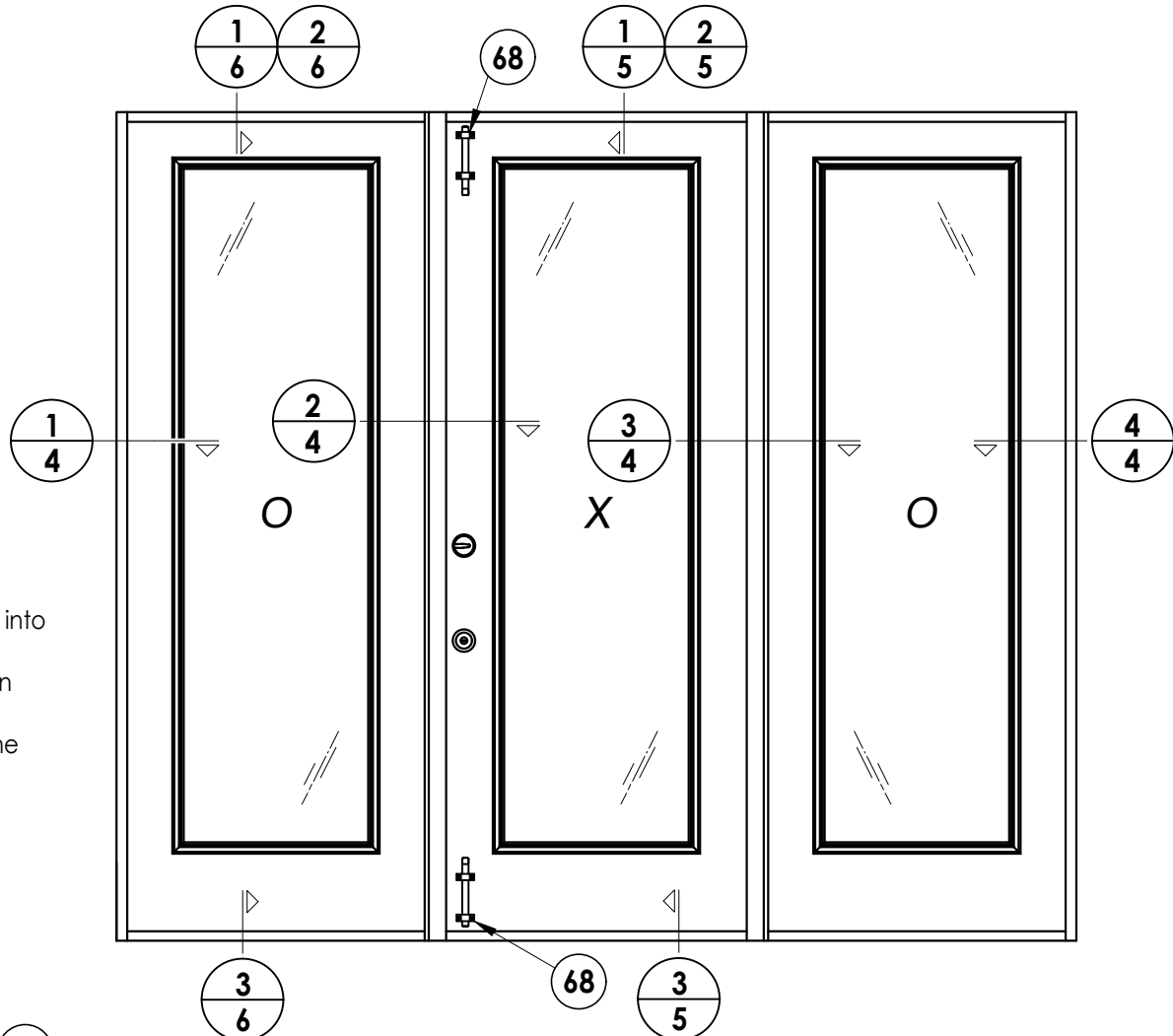
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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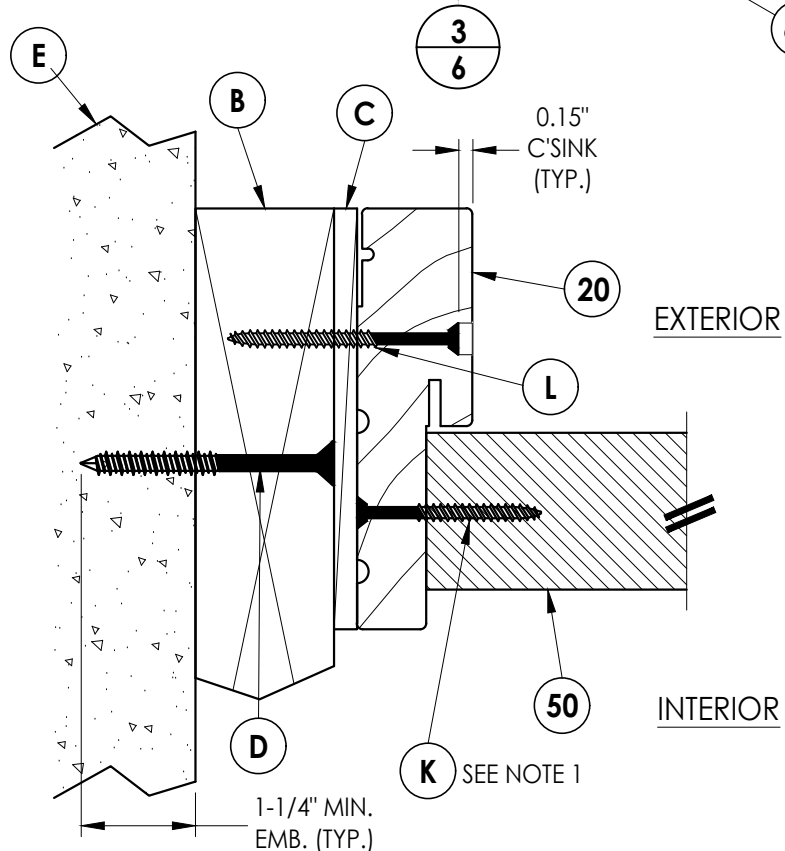
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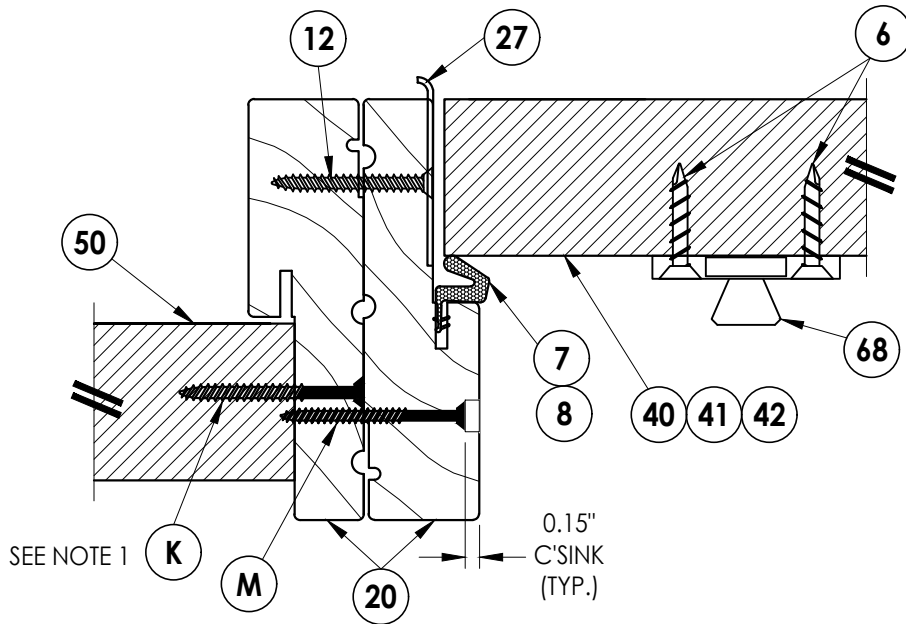
1. The sidelite is direct set into the jamb with item #K at 6" down from each corner and a max. of 12" o.c. on the side jambs only.



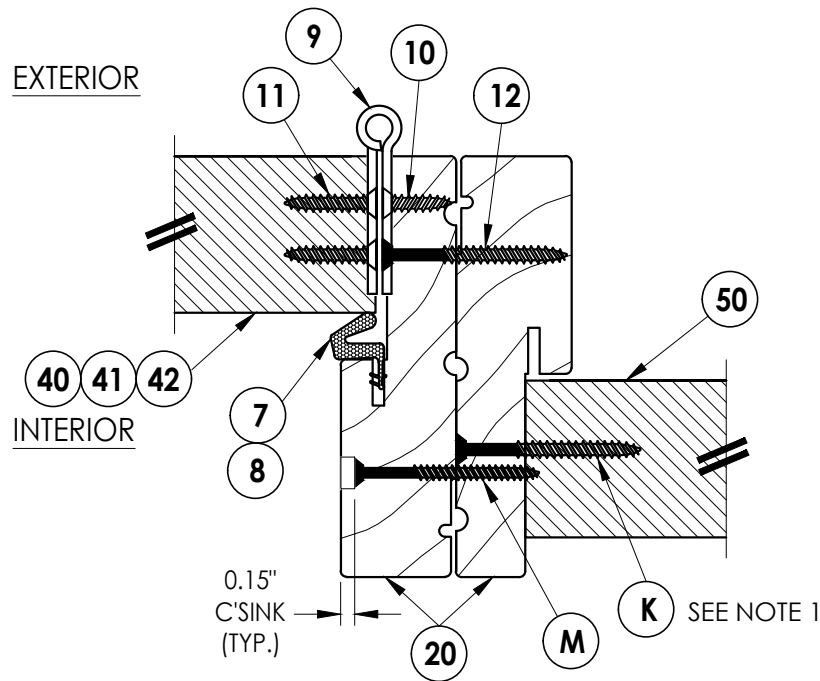
4
4 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck



1
4 **HORIZONTAL CROSS SECTION**



2
4 **HORIZONTAL CROSS SECTION**



3
4 **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

NO.	DATE	REVISIONS
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

DATE: 10/12/17

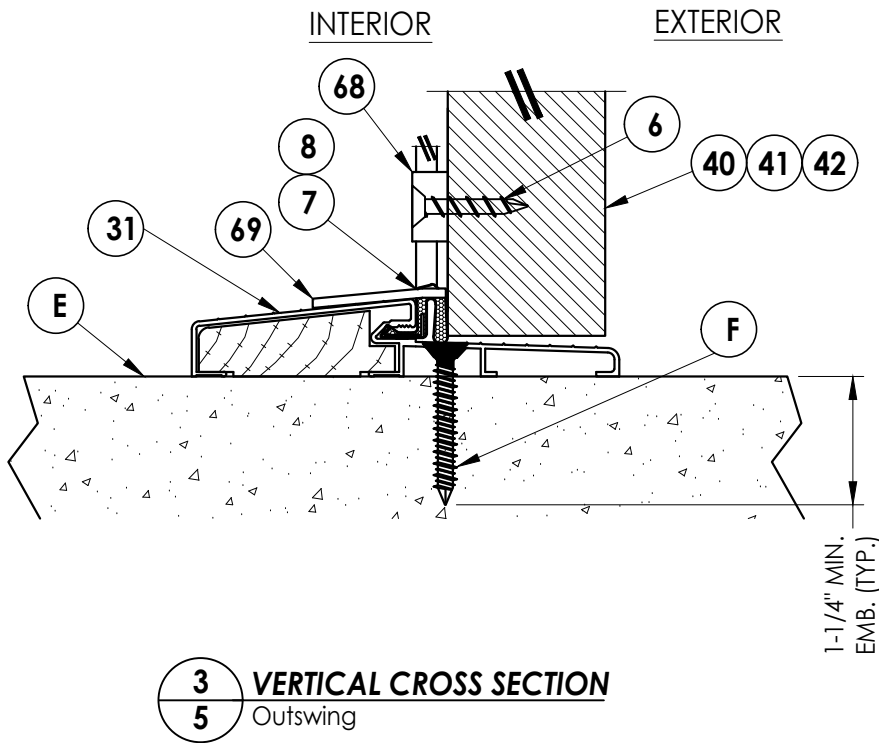
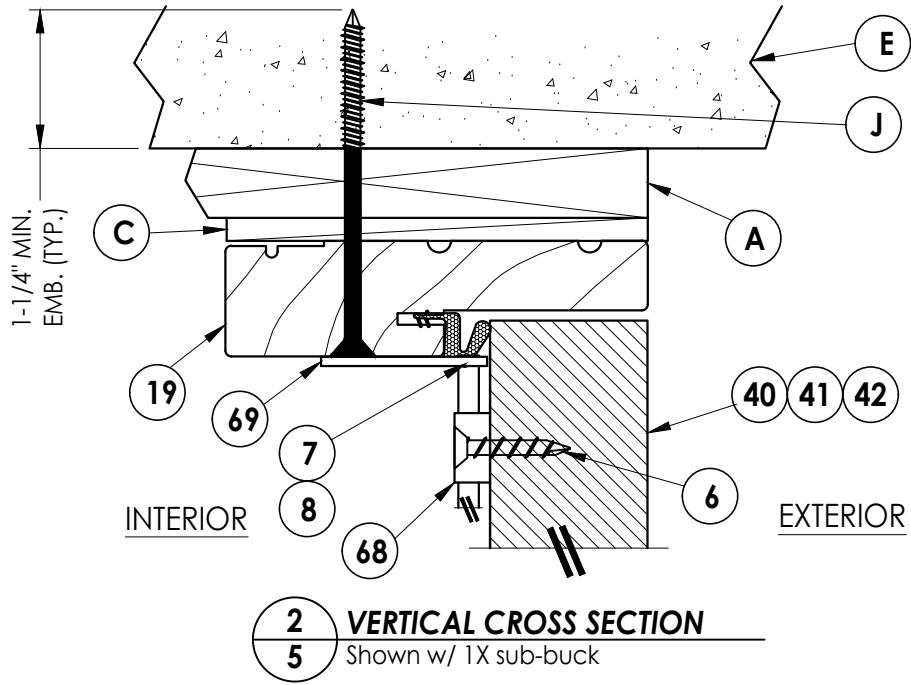
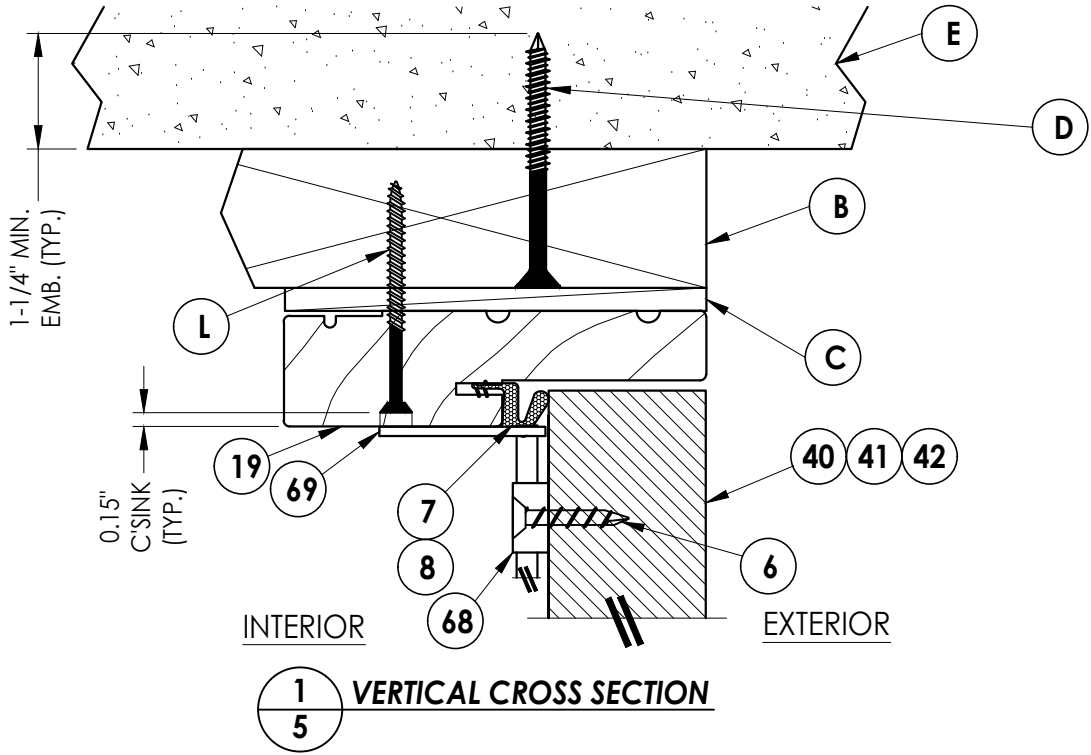
SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-21131.12

SHEET 4 OF 9



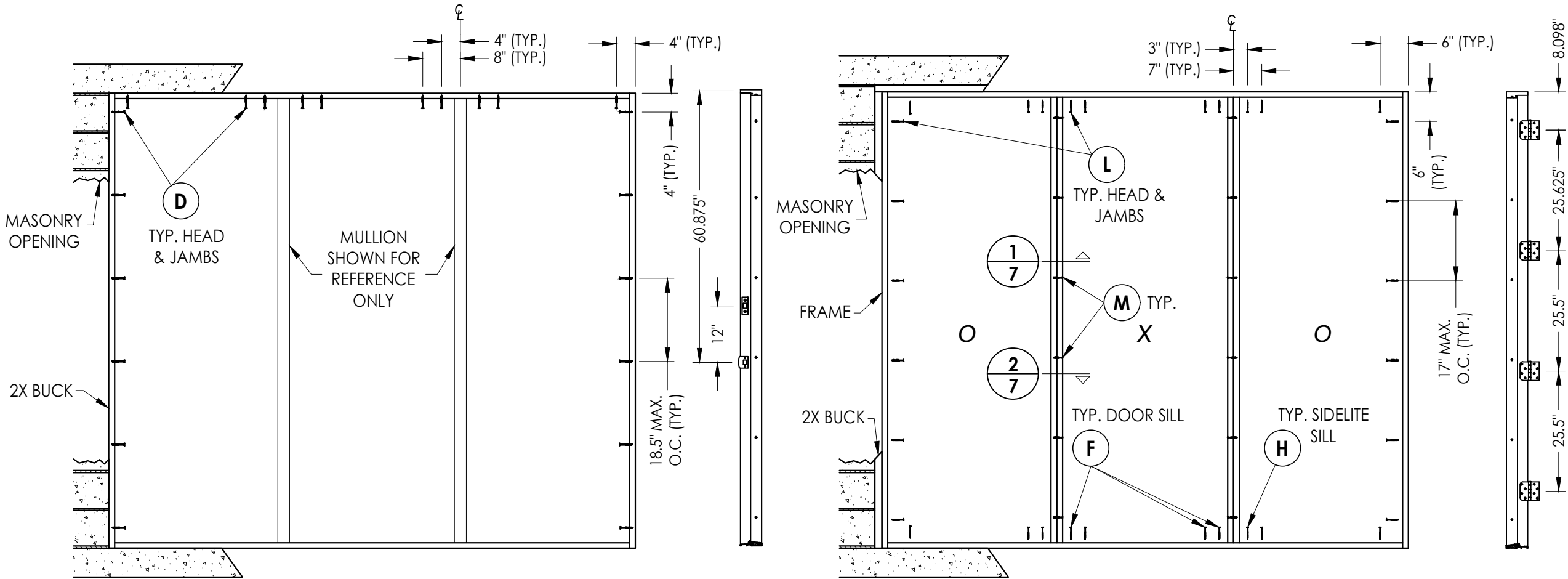
PRODUCT:		THERMA-TRU STEEL DOOR		PART OR ASSEMBLY:		VERTICAL CROSS SECTIONS	
Documents Prepared By:		Lyndon F. Schmidt		P.E. No. 43409		RWBUILDING CONSULTANTS, INC.	
DATE:		10/12/17		SCALE:		N.T.S.	
DWG. BY:		JK		CHK. BY:		LFS	
DRAWING NO.:		FL-21131.12		SHEET		5 OF 9	
NO.		DATE		BY		REVISIONS	
3		7/03/26		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	
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Technical drawing of a cross-section of a roof assembly. The drawing shows the following components and labels:

- E**: Points to the top surface of the roof assembly.
- J**: Points to the top surface of the roof assembly.
- A**: Points to the top surface of the roof assembly.
- C**: Points to the top surface of the roof assembly.
- 50**: Points to the top surface of the roof assembly.
- 19**: Points to the top surface of the roof assembly.
- INTERIOR**: Label for the interior side of the roof assembly.
- EXTERIOR**: Label for the exterior side of the roof assembly.
- 1-1/4" MIN. EMB. (TYP.)**: Dimension indicating the minimum embedment depth of the fastener.

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		<i>RW</i> 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: VERTICAL 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		BY
			REVISIONS
DATE: 10/12/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21131.12			
SHEET 6 OF 9			

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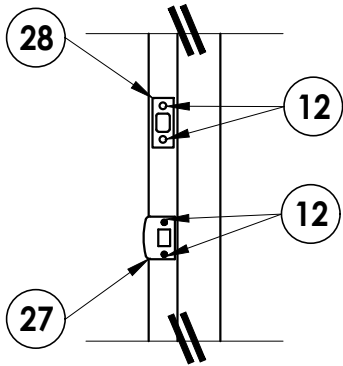


BUCK ANCHORING

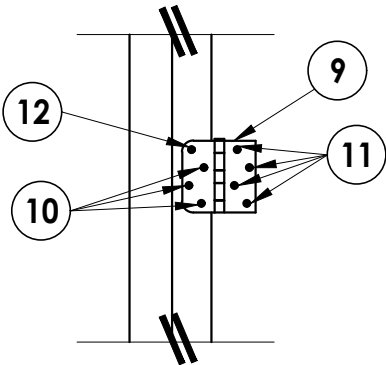
STRIKE JAMB

FRAME ANCHORING
Masonry 2X buck construction

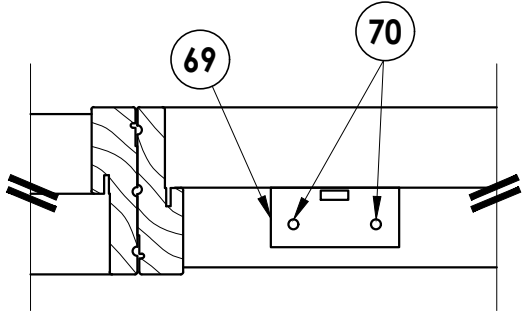
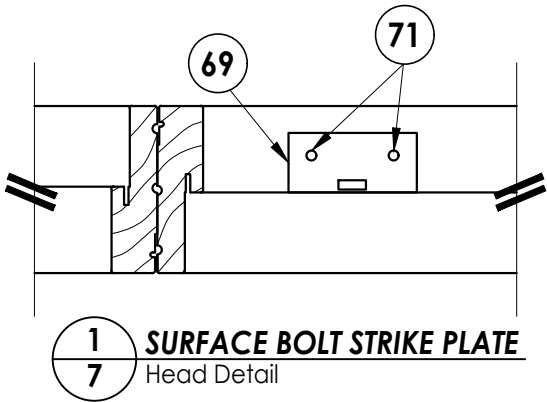
HINGE JAMB



LATCH & DEADBOLT DETAIL



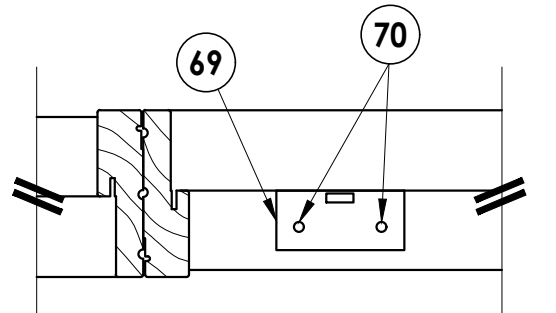
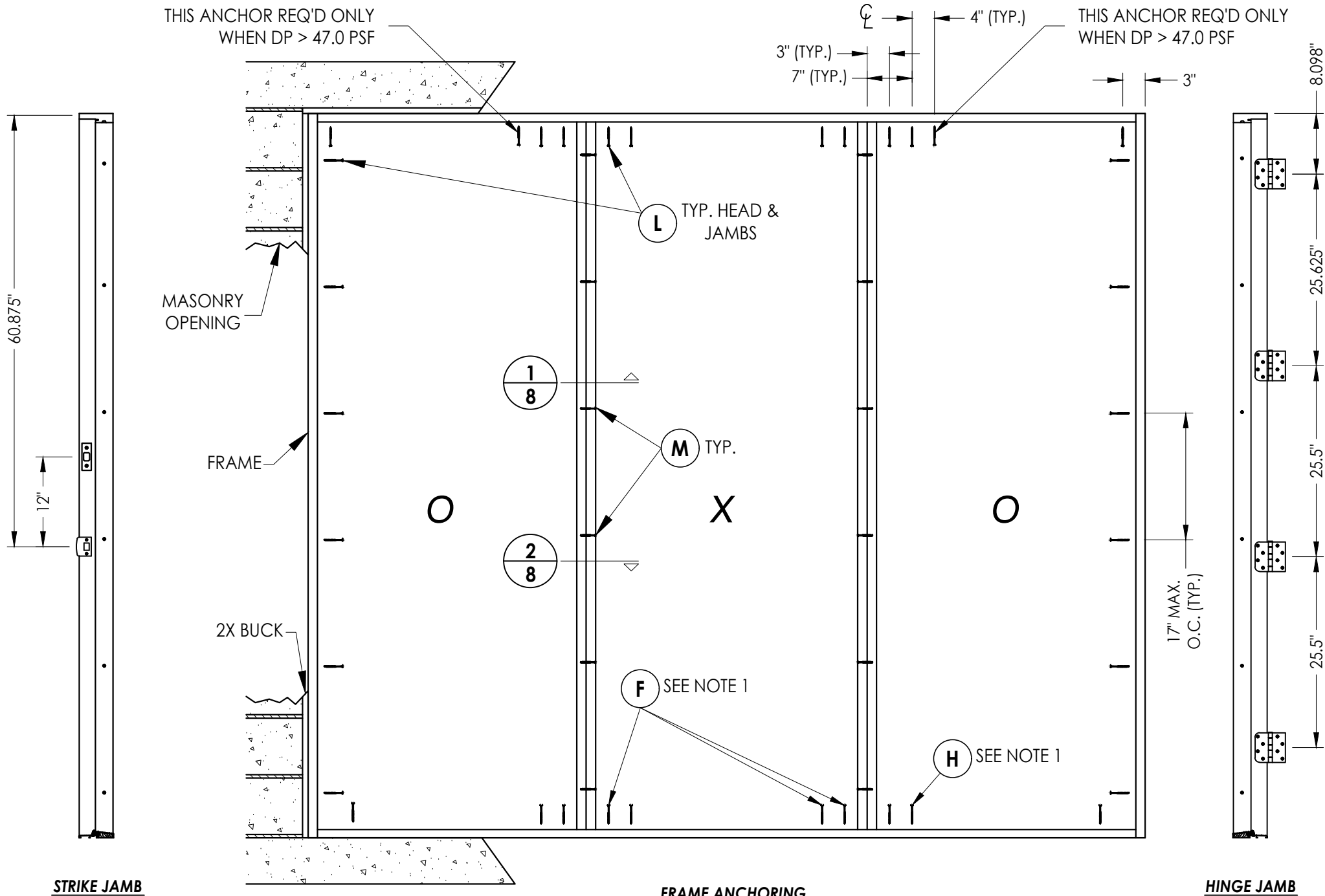
HINGE DETAIL



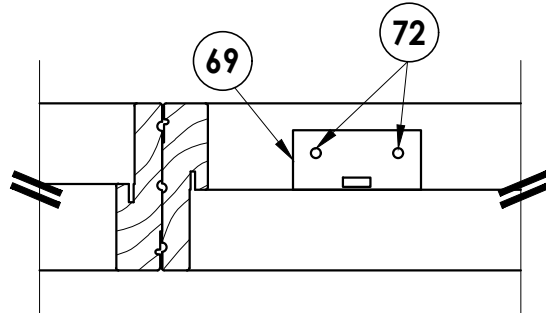
2/7 SURFACE BOLT STRIKE PLATE
Sill Detail

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: BUCK & FRAME ANCHORING 2X BUCK MASONRY CONSTRUCTION	
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		BY
			REVISIONS
DATE: 10/12/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21131.12			
SHEET 7 OF 9			

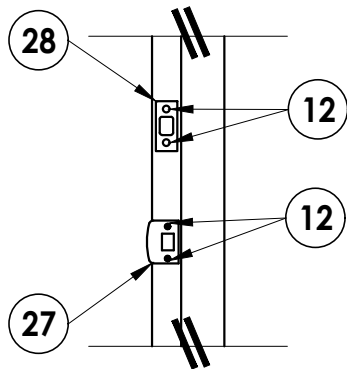
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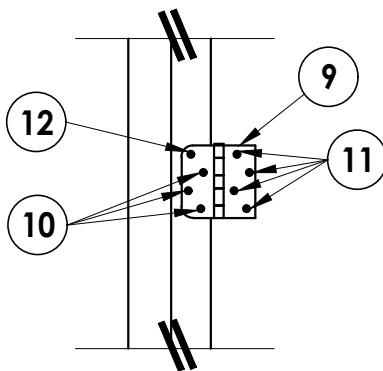
2/8 SURFACE BOLT STRIKE PLATE
Sill Detail



1/8 SURFACE BOLT STRIKE PLATE
Head Detail



LATCH & DEADBOLT DETAIL



HINGE DETAIL

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:
FRAME ANCHORING 1X BUCK
MASONRY CONSTRUCTION

		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			BY
REVISIONS						

DATE: 10/12/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

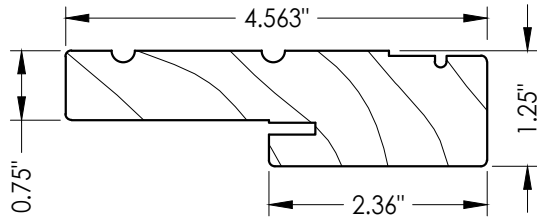
DRAWING NO.:

FL-21131.12

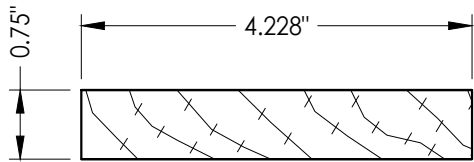
SHEET 8 OF 9

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			

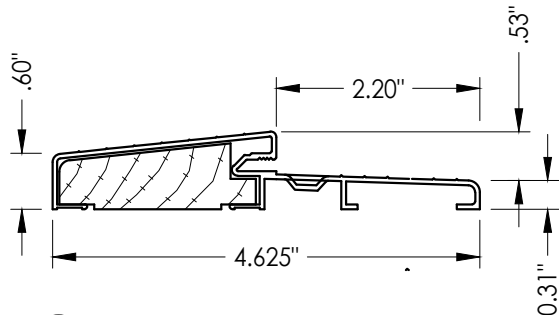
NOTE: DOOR & SIDELITE WOOD COMPONENTS: PINE (SG $\geq$ 0.42)



19 20 HEAD & SIDE JAMB



26 SIDELITE PAD



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:

1. Concrete anchor locations at the corners may be adjusted to maintain the min. edge distance to mortar joints.
2. 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.
3. 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:

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

[illegible]

DATE:	10/12/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21131.12
SHEET	<u>9</u> OF <u>9</u>

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

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