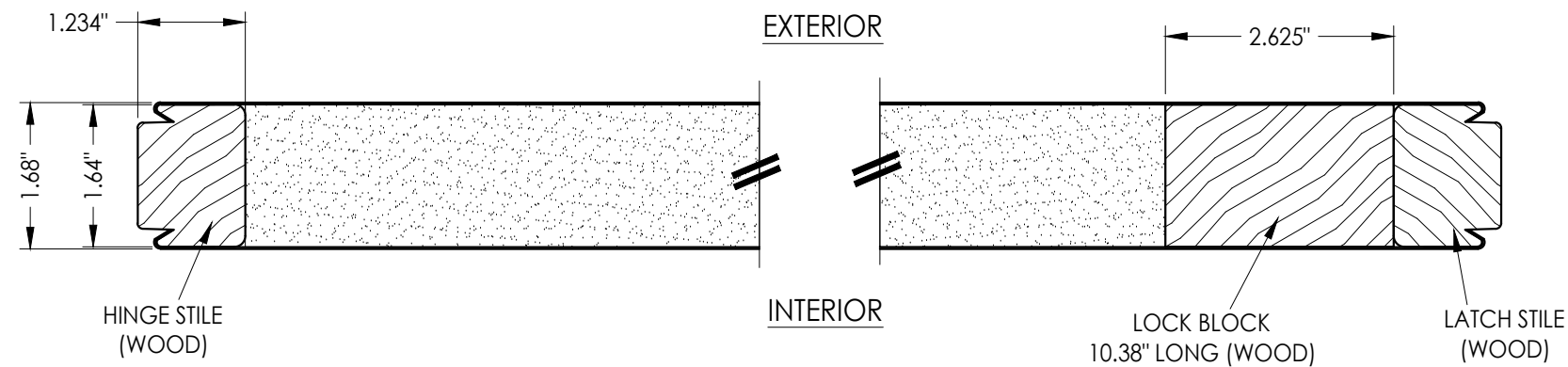
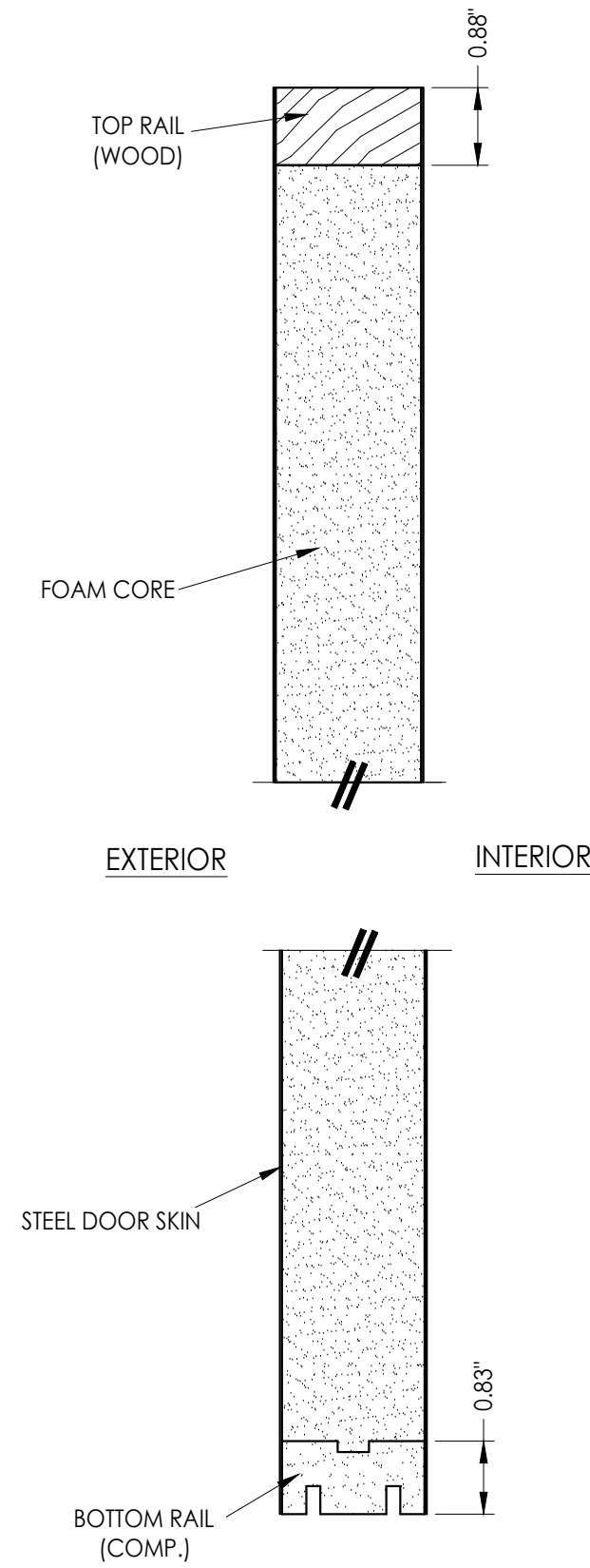
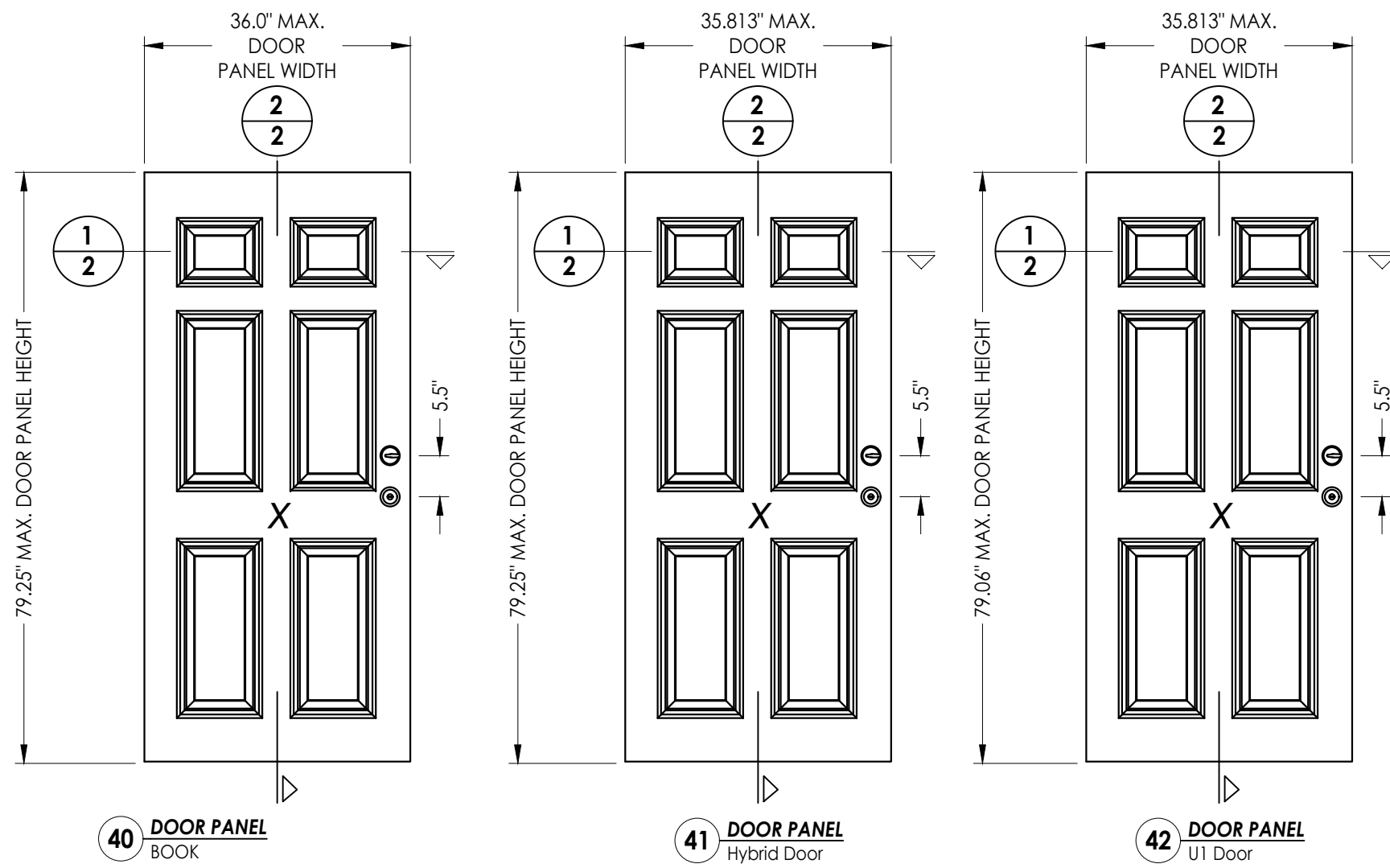




1 HORIZONTAL CROSS SECTION



2 VERTICAL CROSS SECTION
2

"PROFILES" SERIES DOOR PANEL

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

FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)

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:

"PROFILES"
DOOR PANEL DETAILS

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: 10/11/17

SCALE: N.T.S.

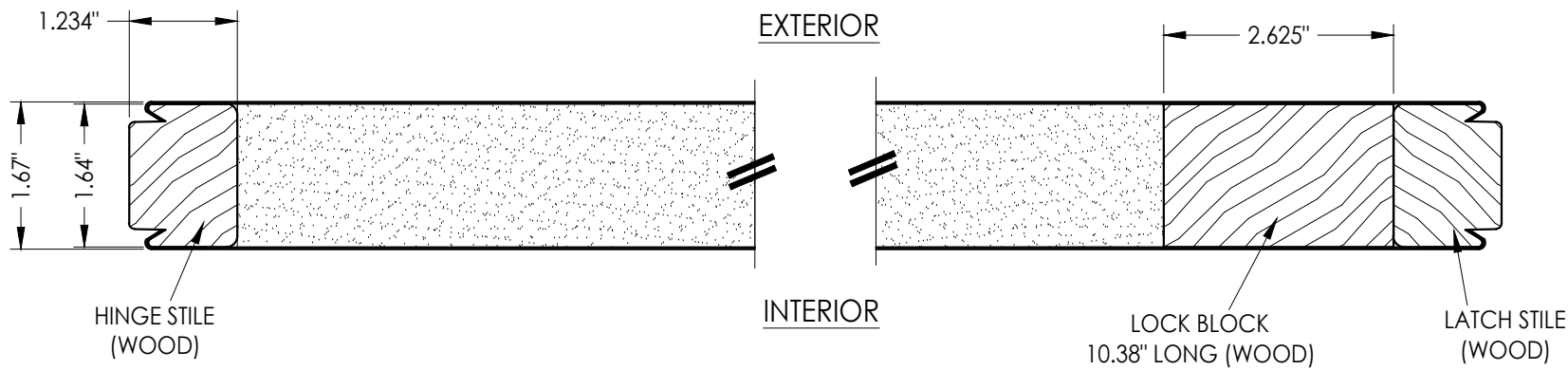
DWG. BY: JK

CHK. BY: LFS

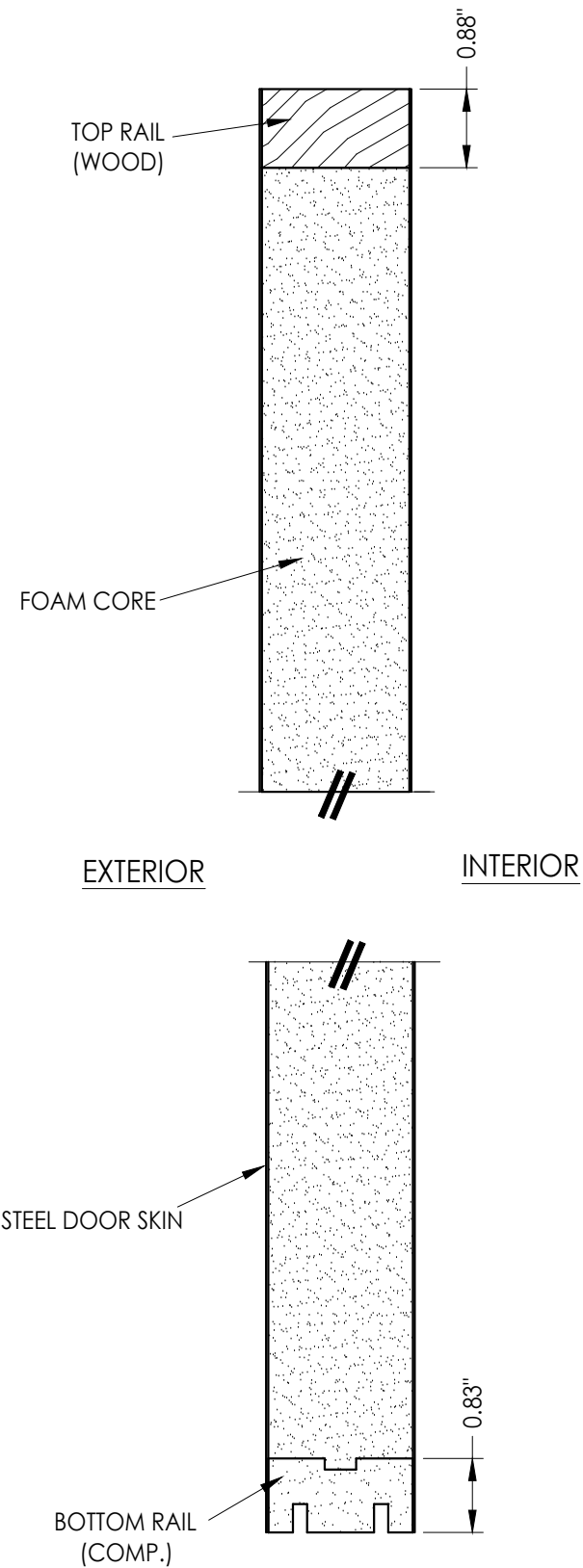
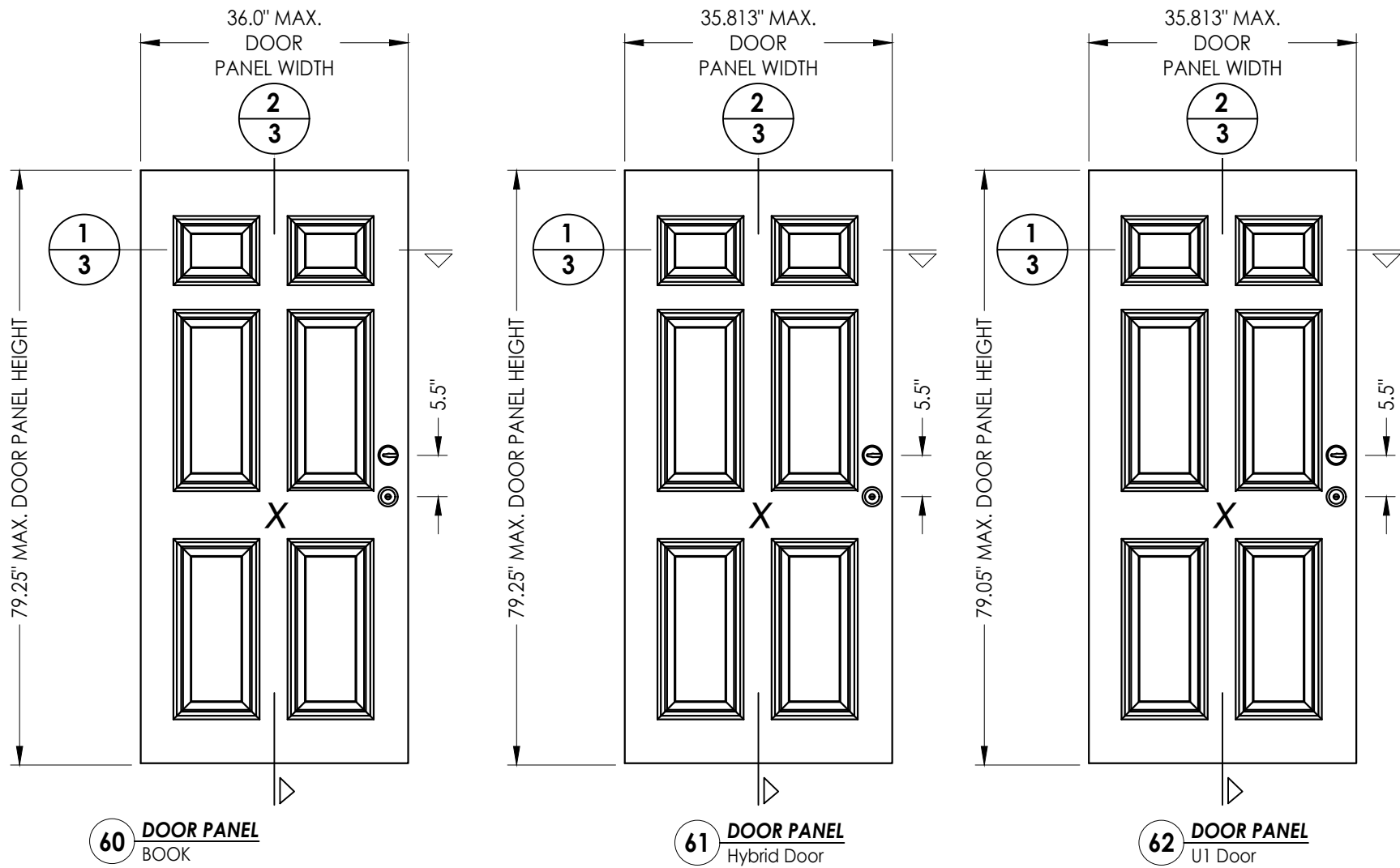
DRAWING NO.:
FL-21131.2

SHEET 2 OF 14

Z:\2023 FBC Drawings\Therma-Tru\FL-21131 R3\FL-21131.1-3.dwg



1
3 **HORIZONTAL CROSS SECTION**



2
3 **VERTICAL CROSS SECTION**

"TRADITIONS" SERIES DOOR PANEL

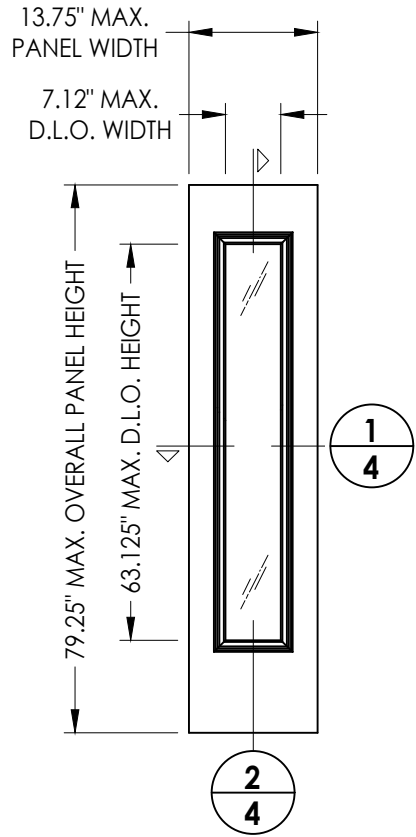
STEEL DOOR SKIN: 25 GA. (0.018" MIN. THICKNESS, Fy = 27,830 PSI MIN.)
FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)

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

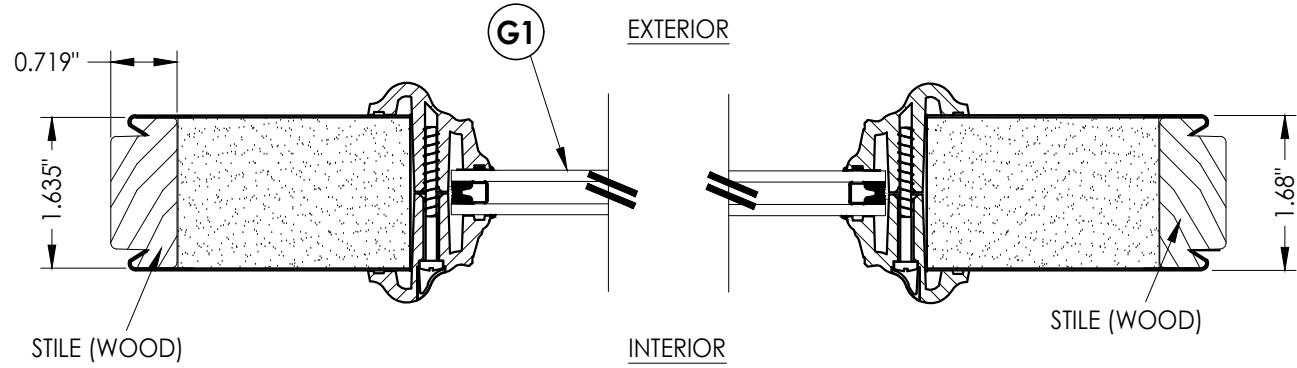
PRODUCT:		THERMA-TRU STEEL DOOR	
PART OR ASSEMBLY:		"TRADITIONS" DOOR PANEL DETAILS	
NO.	DATE	REVISIONS	
		BY	
3	7/03/26	UPDATE TO 9TH ED. (2026)	FBC LFS
2	8/07/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	7/14/20	UPDATE TO 7TH ED (2020)	FBC LFS
DATE: 10/11/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21131.2			
SHEET 3 OF 14			

Z:\2023 FBC Drawings\Therma-Tru\FL-21131 R3\FL-21131.1-3.dwg

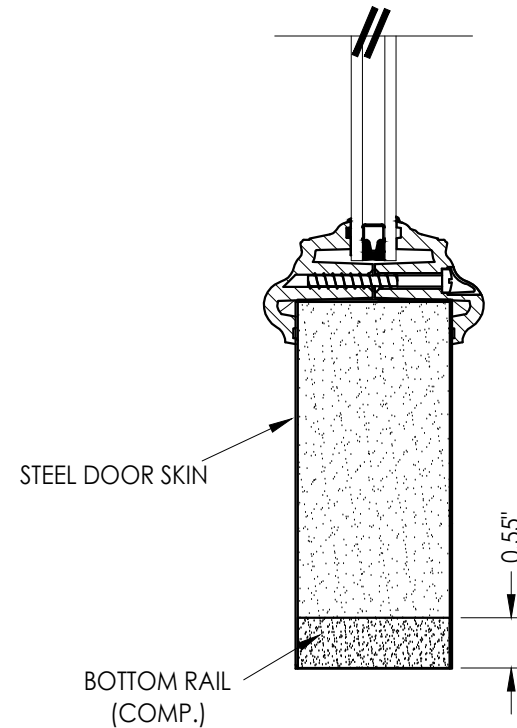
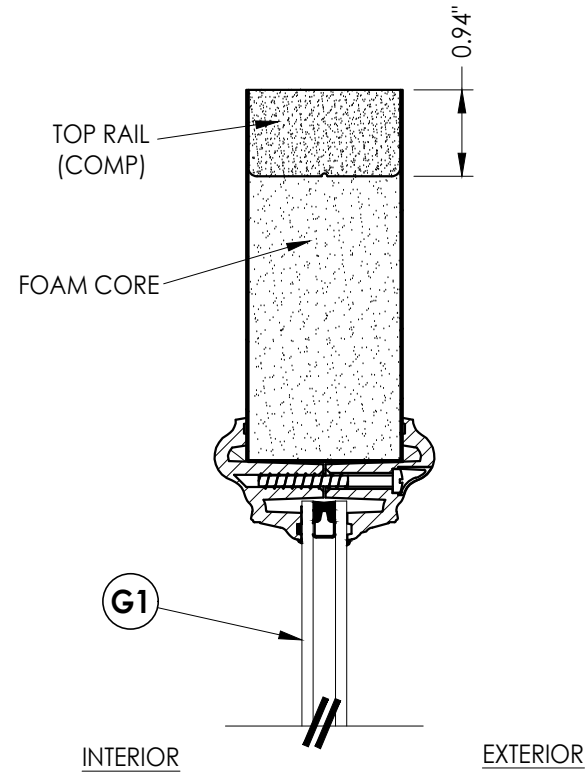
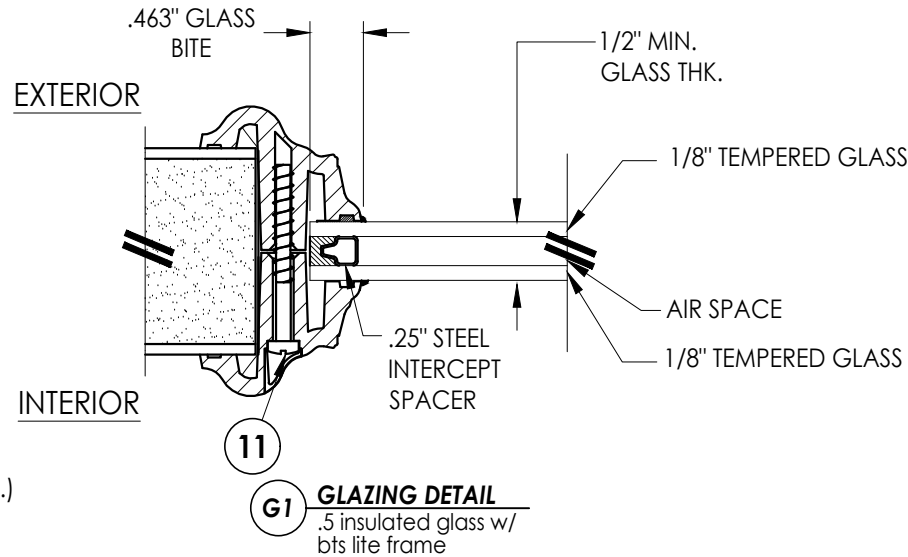
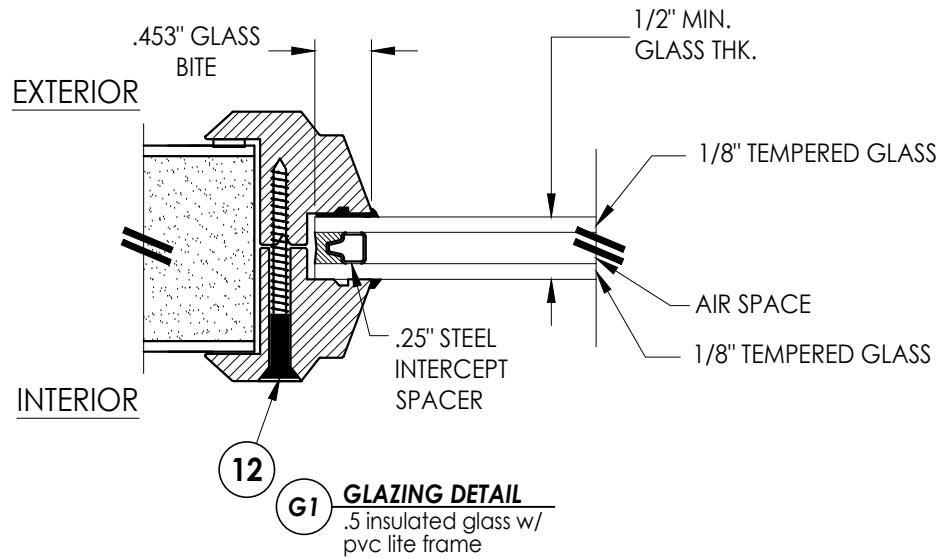


NOTE:
1. Spacing for item #11 & #12 (lite frame screws) is as follows: From the top down on sides; 3", 14.75", 26.5", 38.25", 50.5" & 62.25". There are (2) screws both top and bottom at 4.25" in from each corner.

SIDELITE PANEL
STEEL SKIN "PROFILES": 24 GA. (0.022" MIN. THICKNESS, Fy = 48,470 PSI MIN.)
STEEL SKIN "TRADITIONS": 25 GA. (0.018" MIN. THICKNESS, Fy = 27,830 PSI MIN.)
FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)
SIDELITE WOOD COMPONENTS: PINE (SG >= 0.42)



1
4 **HORIZONTAL CROSS SECTION**



2
4 **VERTICAL CROSS SECTION**

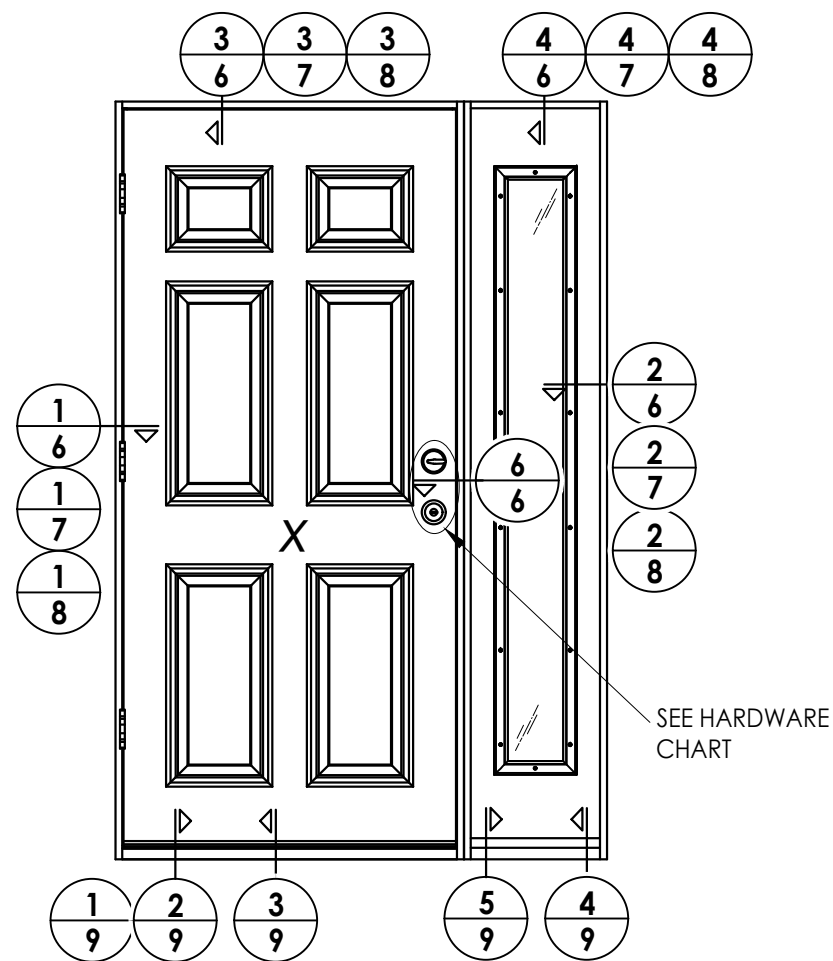
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

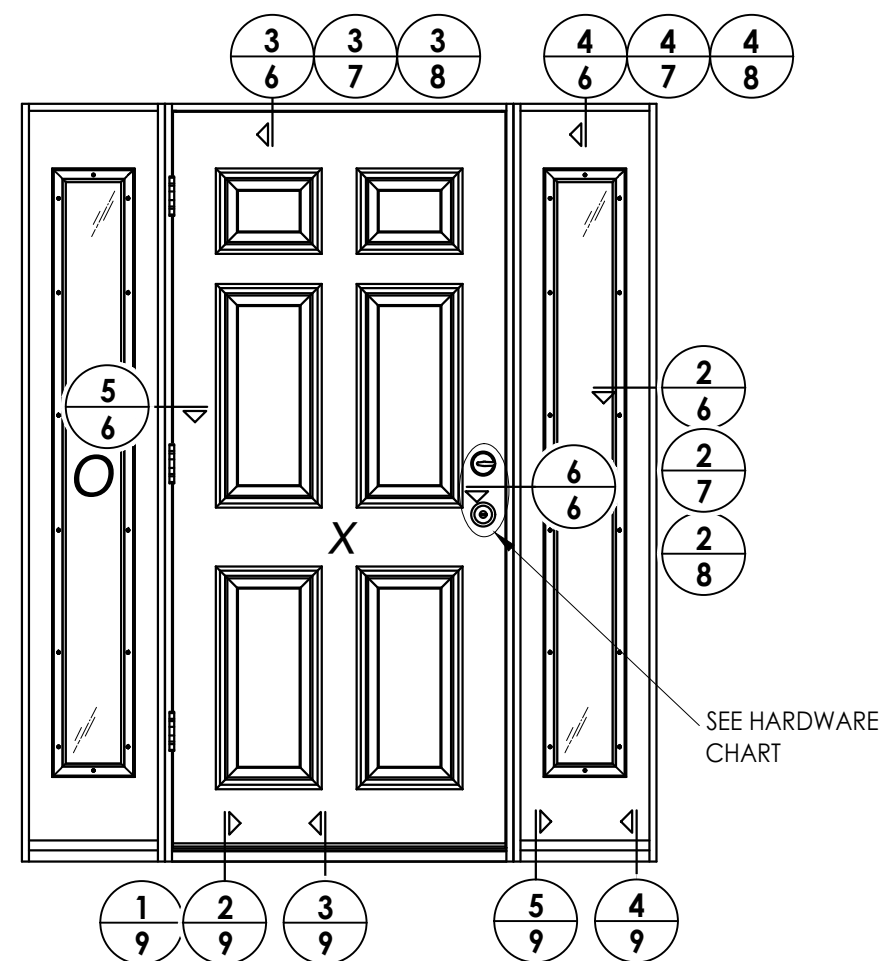
PRODUCT:
THERMA-TRU
STEEL DOOR

PART OR ASSEMBLY:
SIDELITE PANEL / GLAZING
DETAILS

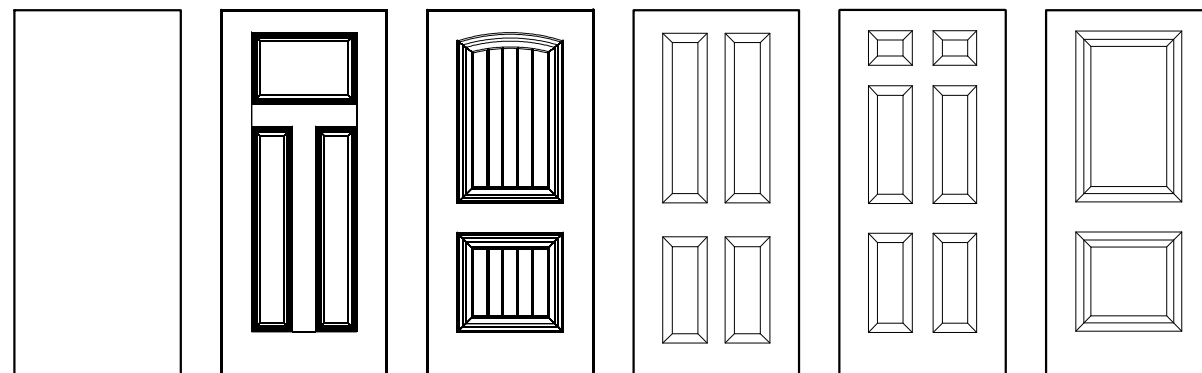
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		2	8/07/23	UPDATE TO 8TH ED. (2023) FBC
		1	7/14/20	UPDATE TO 7TH ED. (2020) FBC
DATE: 10/11/17				
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO.: FL-21131.2				
SHEET 4 OF 14				



ELEVATION
XO



ELEVATION
OXO



PROFILES/TRADITIONS Steel Door Panel Options
Panel options shown are for illustration and are representative only
(similar opaque panel configurations are allowed)

HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	Knob:	F51
	Deadbolt:	B60
KWIKSET	Knob:	SIGNATURE SERIES
	Deadbolt:	SIGNATURE SERIES (980)

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
N.O.	DATE				BY
					REVISIONS

DATE:	10/11/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21131.2
SHEET	5 OF 14

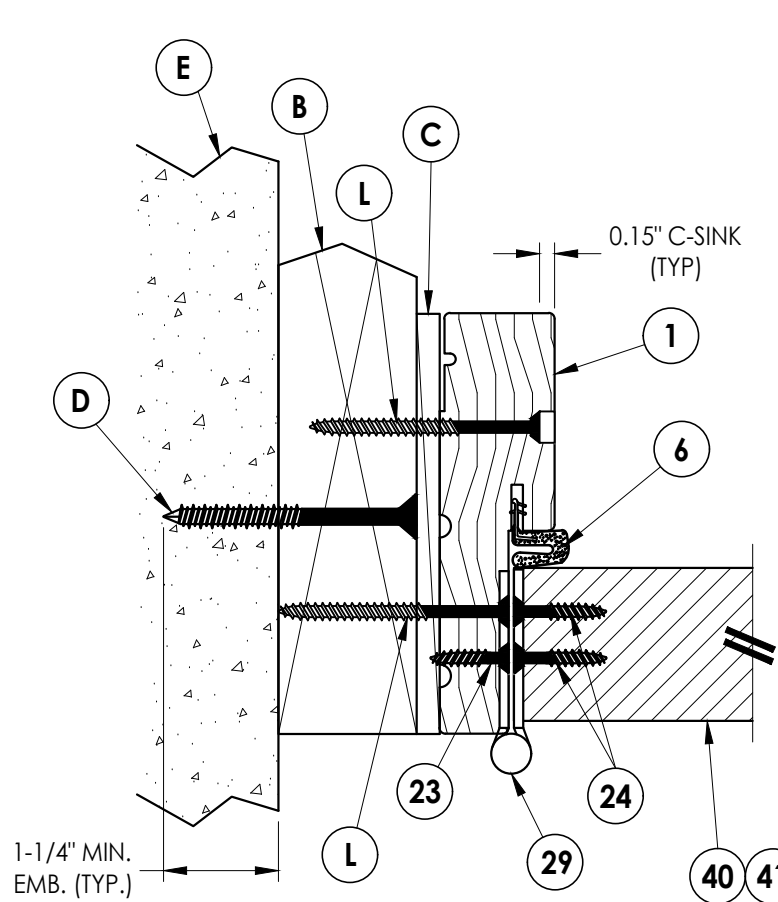
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

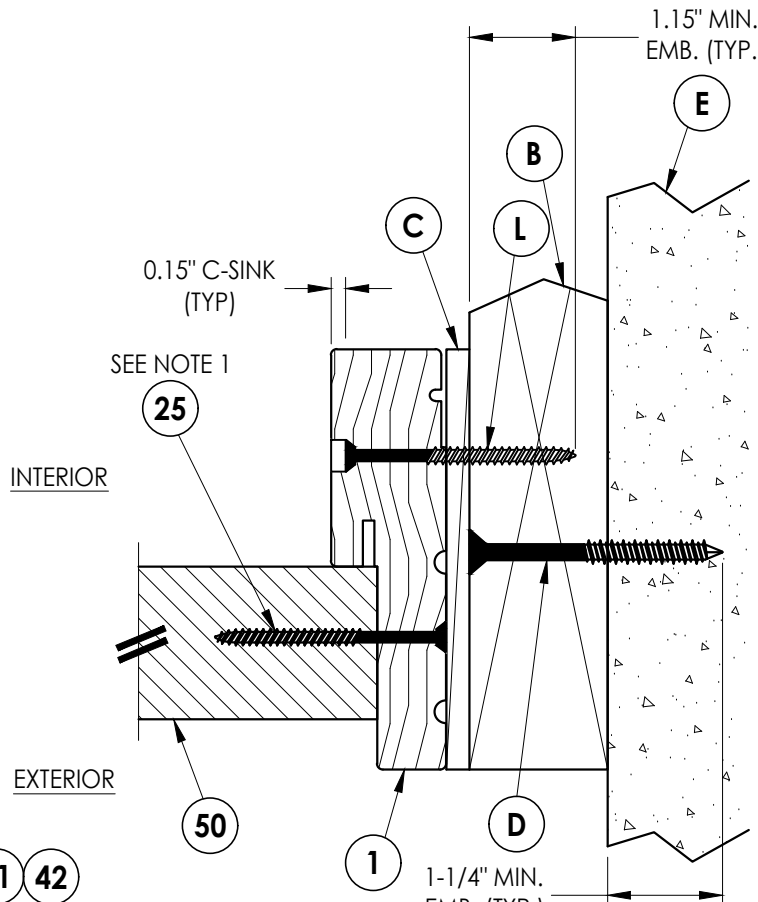
**THERMA-TRU
STEEL DOOR**

ASSEMBLY: ELEVATIONS

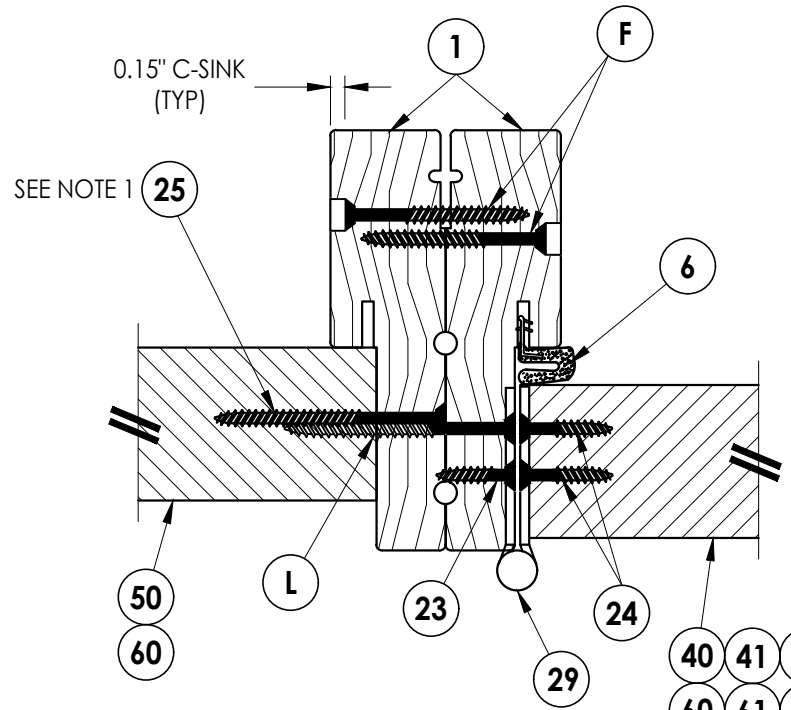
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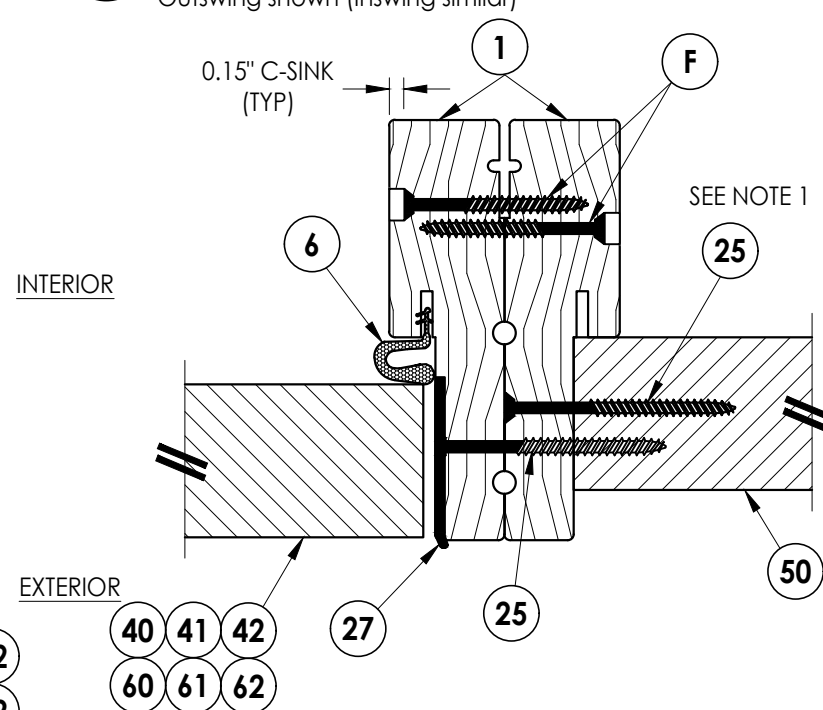
1
6 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



2
6 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



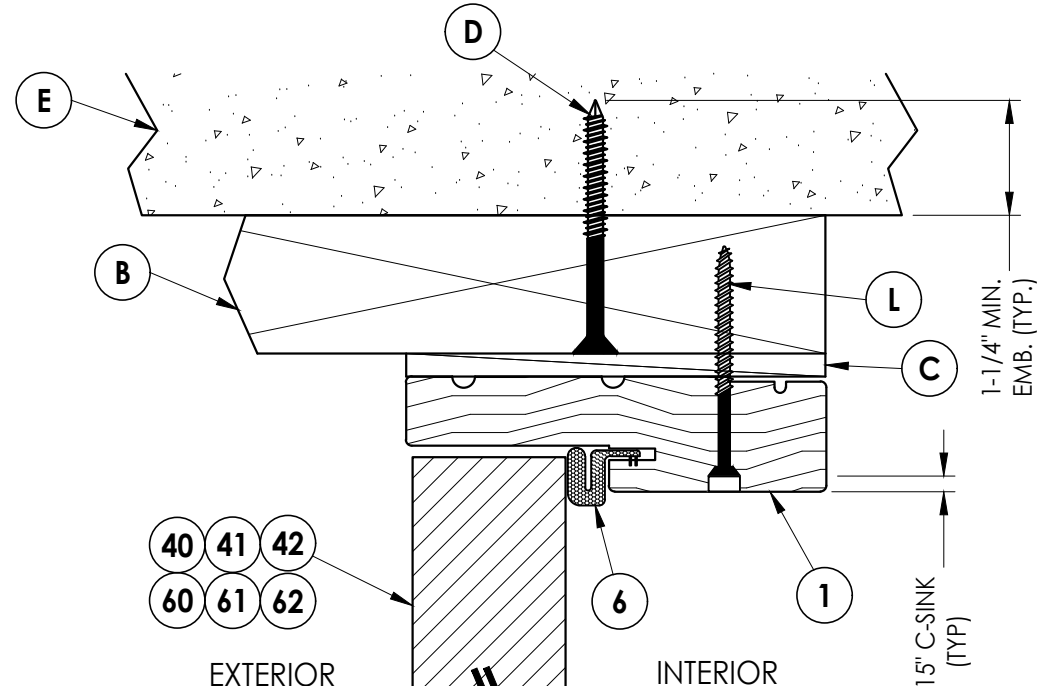
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6 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



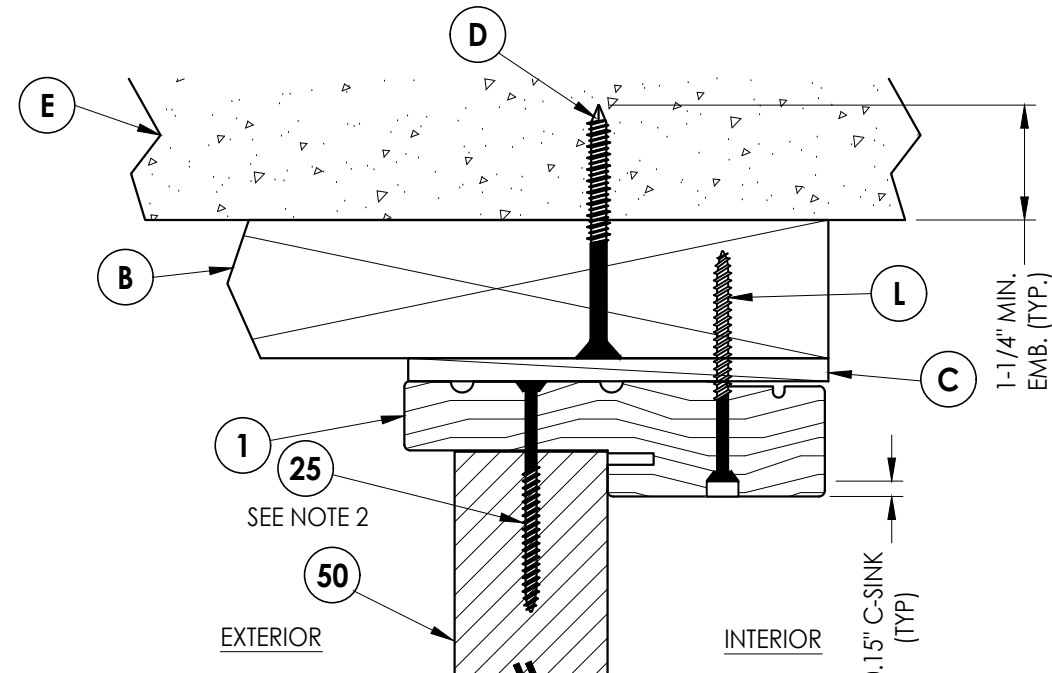
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6 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

Notes:

1. Sidelite assembly screws located 8" from top and 8" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end (2 screws along head jamb).



3
6 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



4
6 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)

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 & VERTICAL
CROSS SECTIONS (2X BUCK)

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: 10/11/17

SCALE: N.T.S.

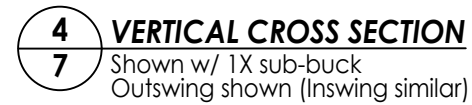
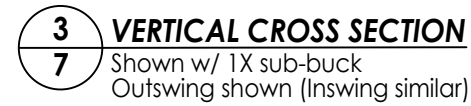
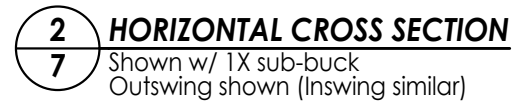
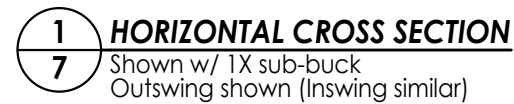
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-21131.2

SHEET 6 OF 14

1. Sidelite assembly screws located 8" from top and 8" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end (2 screws along head jamb).

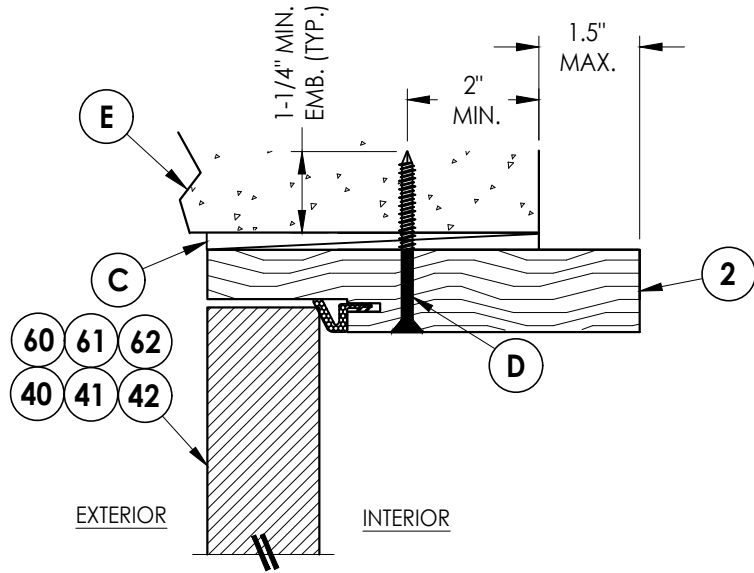
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Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

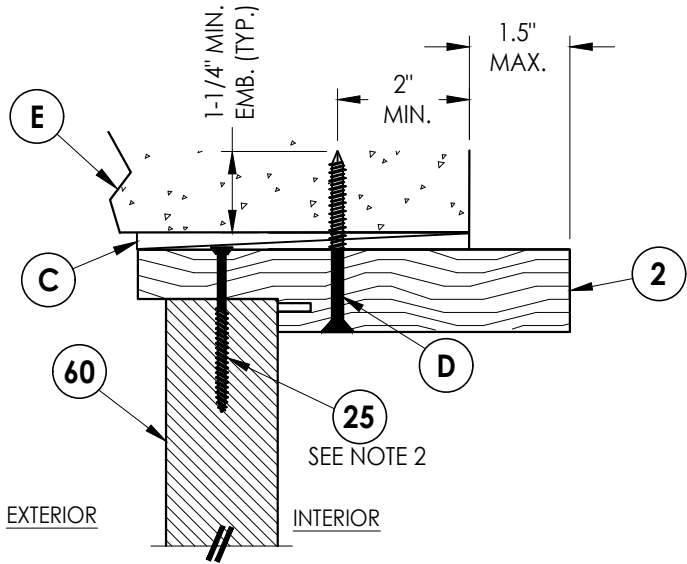
R^gW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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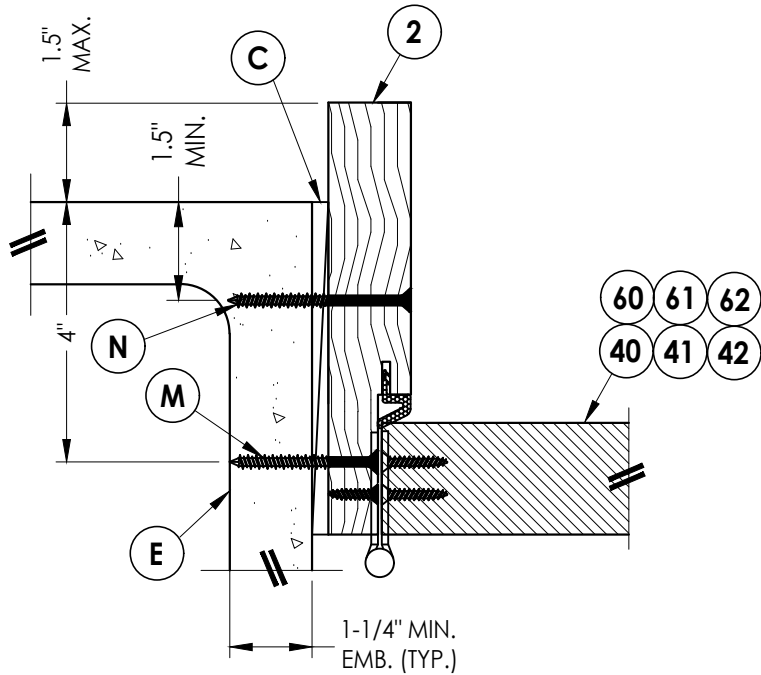
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8 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



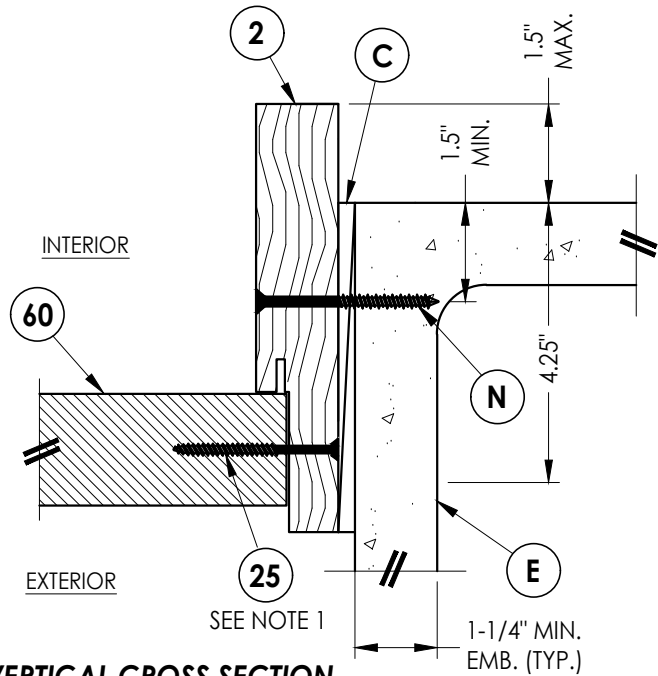
4
8 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

Notes:

1. Sidelite assembly screws located 8" from top and 8" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end (2 screws along head jamb).



1
8 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



2
8 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

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 & VERTICAL
SECTIONS (DIRECT TO MASONRY)

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: 10/11/17

SCALE: N.T.S.

DWG. BY: JK

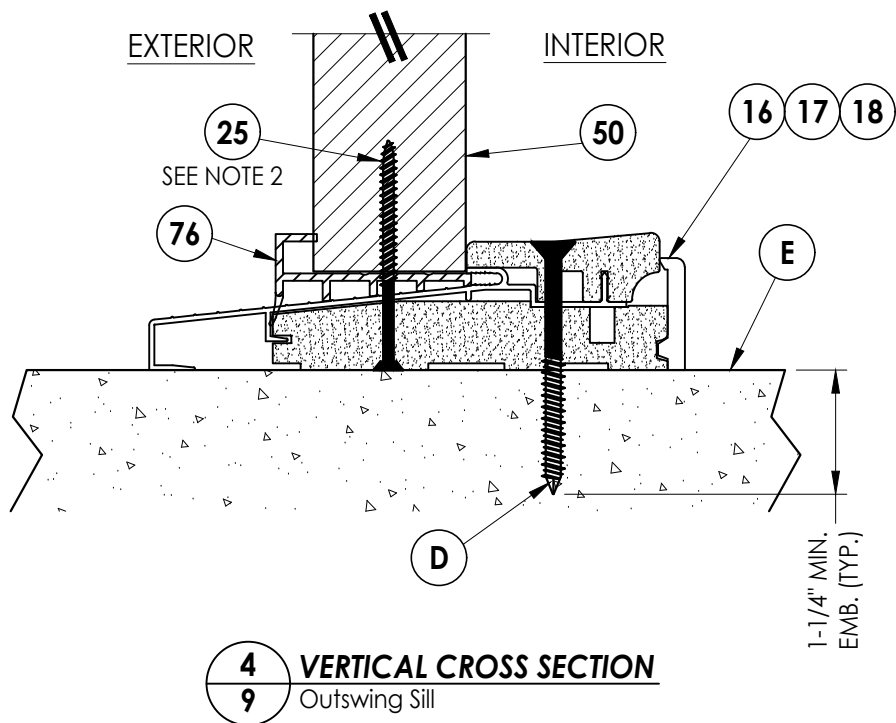
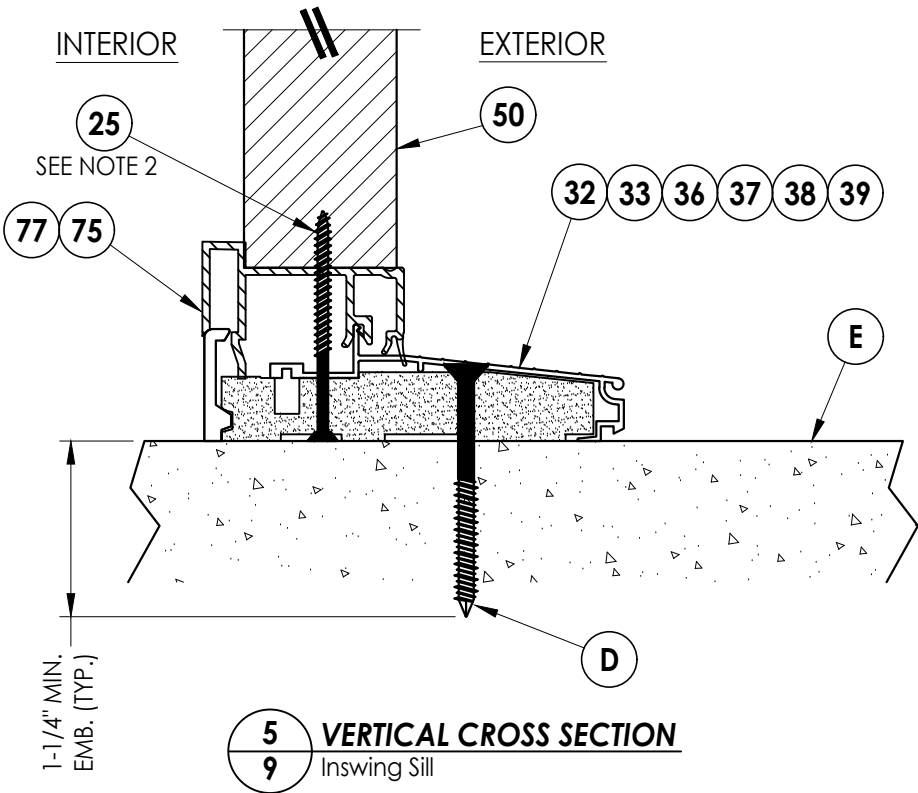
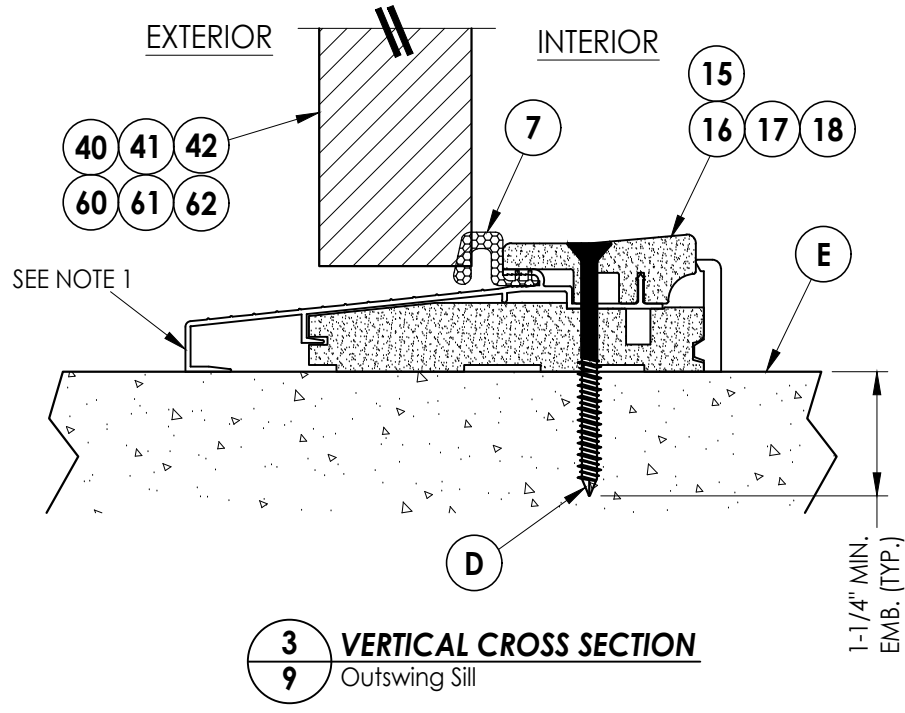
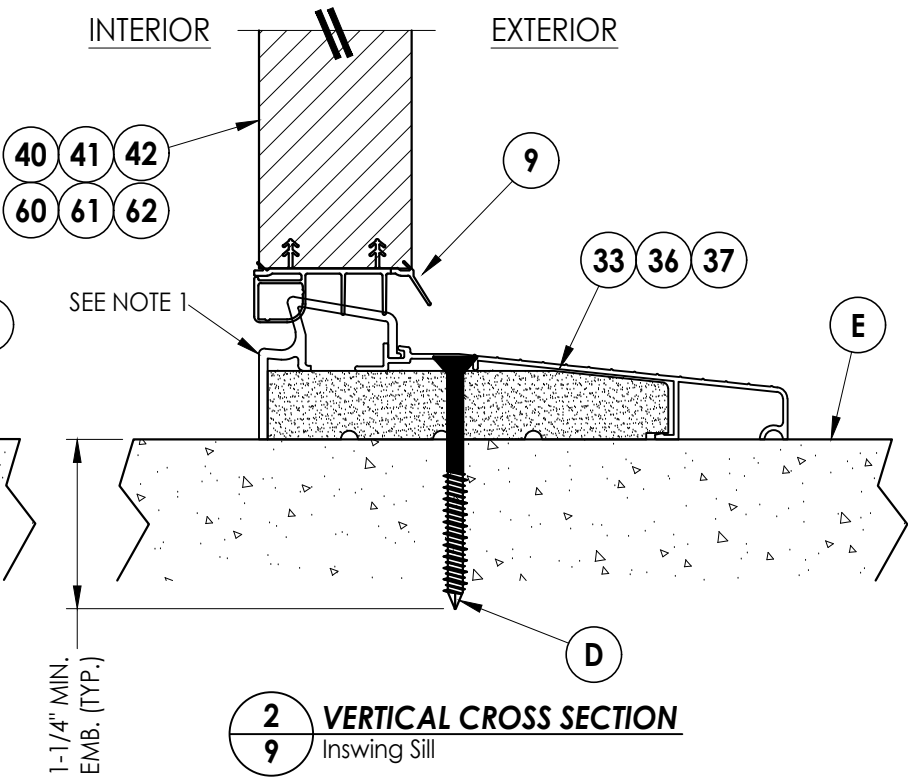
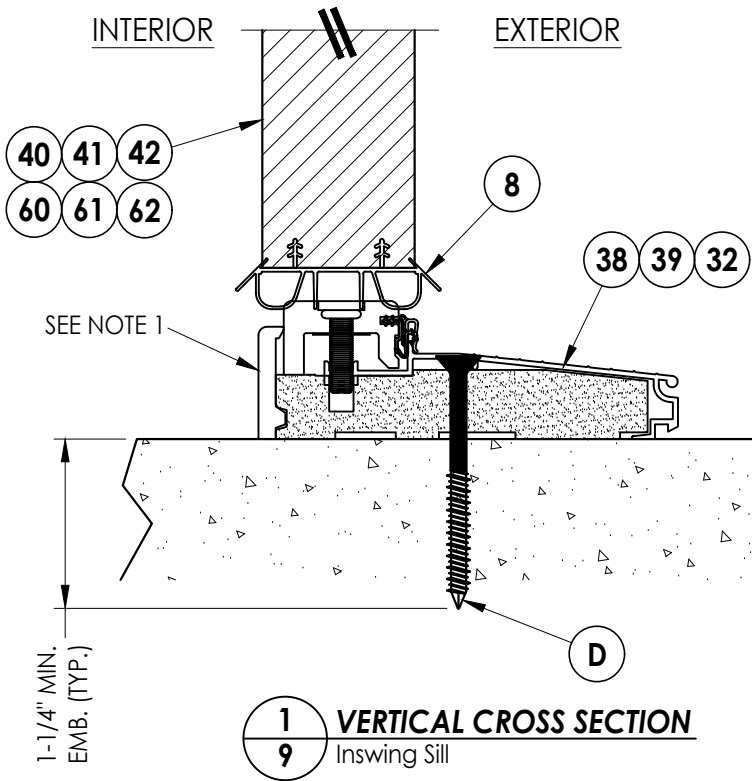
CHK. BY: LFS

DRAWING NO.:
FL-21131.2

SHEET 8 OF 14

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- Notes:
- 1. Sill Item #'s 16, 32, 33, 36, 37, 38 & 39 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item #'s 17 & 18 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
Sill Item #15 is attached to jambs utilizing (2) #10 X 2" pph screws at each end.
 - 2. Sidelite assembly screws located 4" from each end (2 screws along sill).



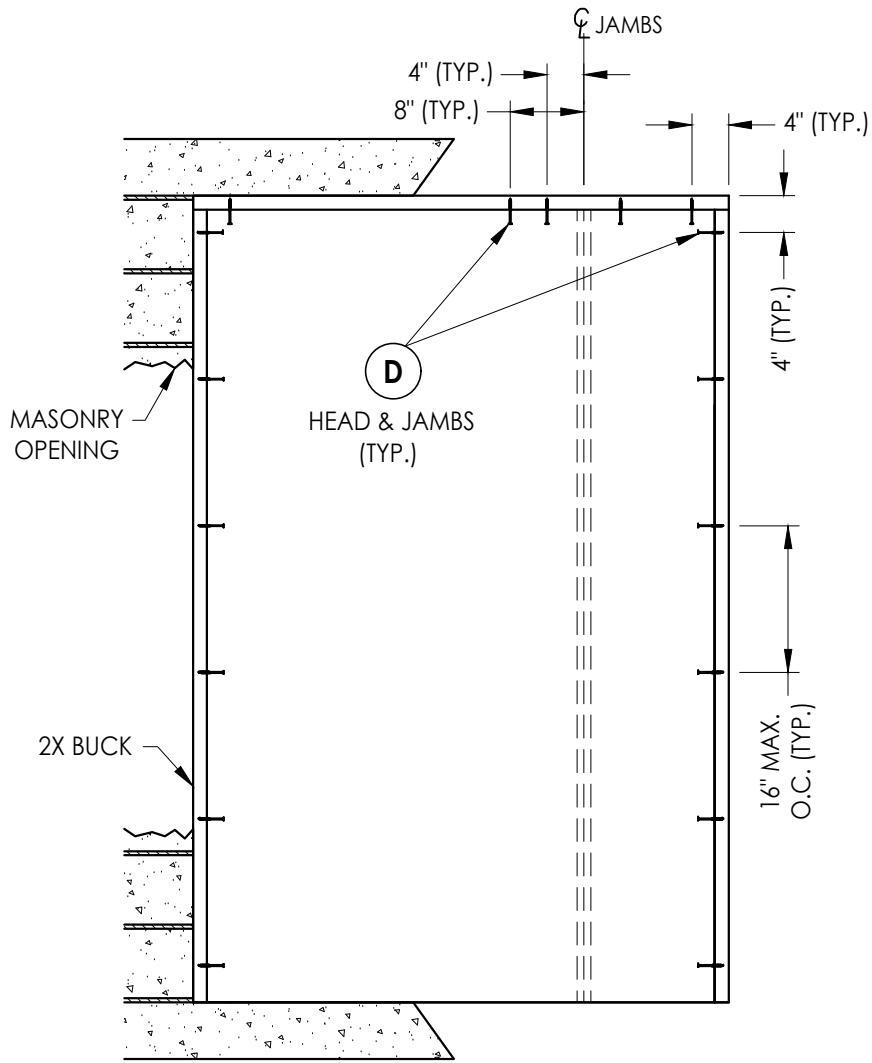
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

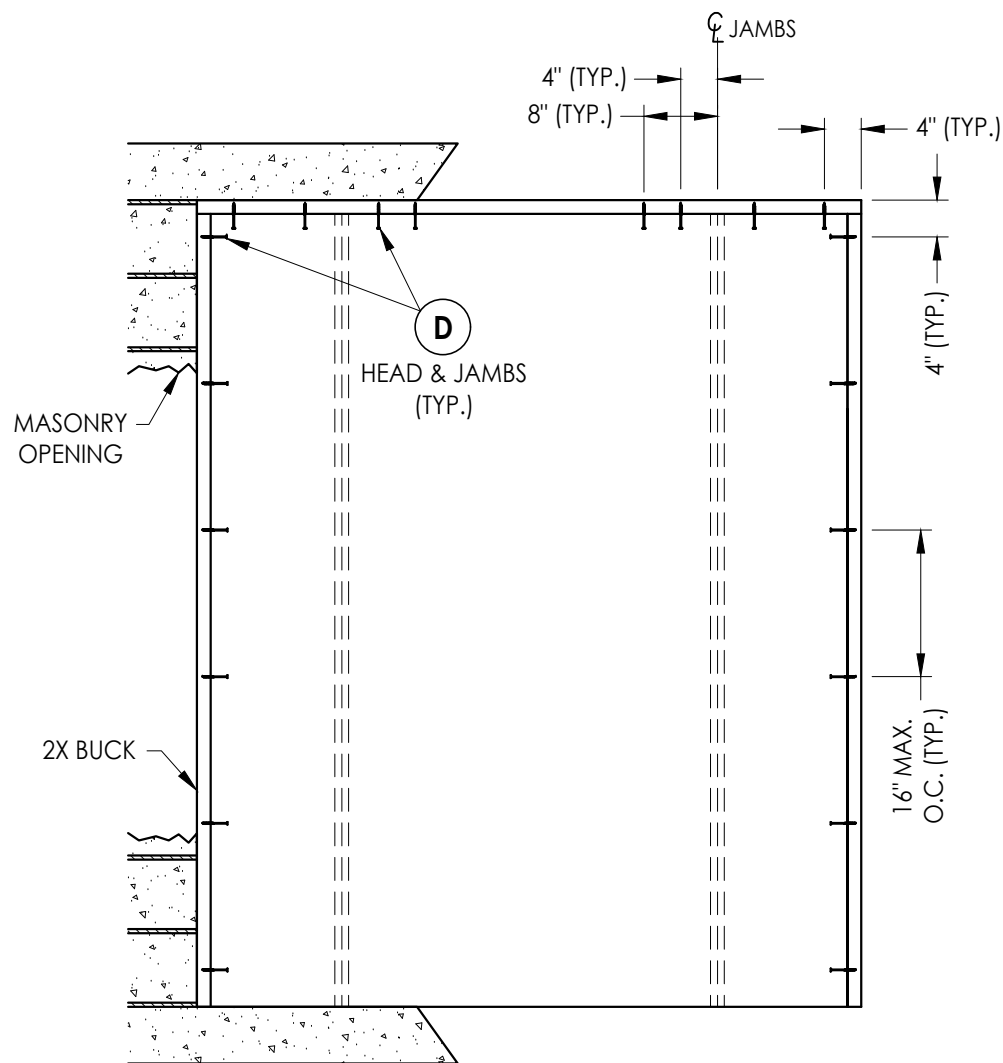
PRODUCT: THERMA-TRU STEEL DOOR
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS			
		BY	LFS	FBC	LFS
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: 10/11/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21131.2
SHEET 9 OF 14



XO/OX



OXO

2X BUCK ANCHORING

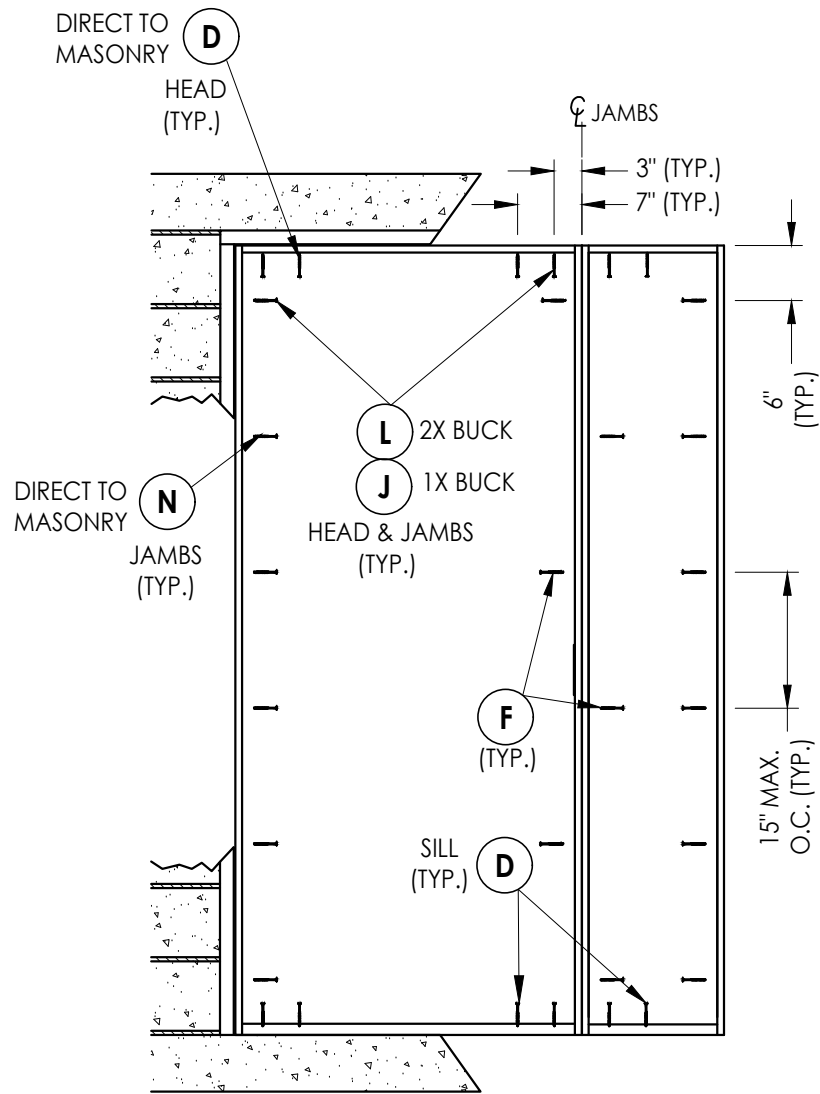
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2	8/07/23	UPDATE TO	8TH ED.	(2023)	FBC LFS
1	7/14/20	UPDATE TO	7TH ED	(2020)	FBC LFS
NO.	DATE				
REVISIONS					

PRODUCT: THERMA-TRU STEEL DOOR

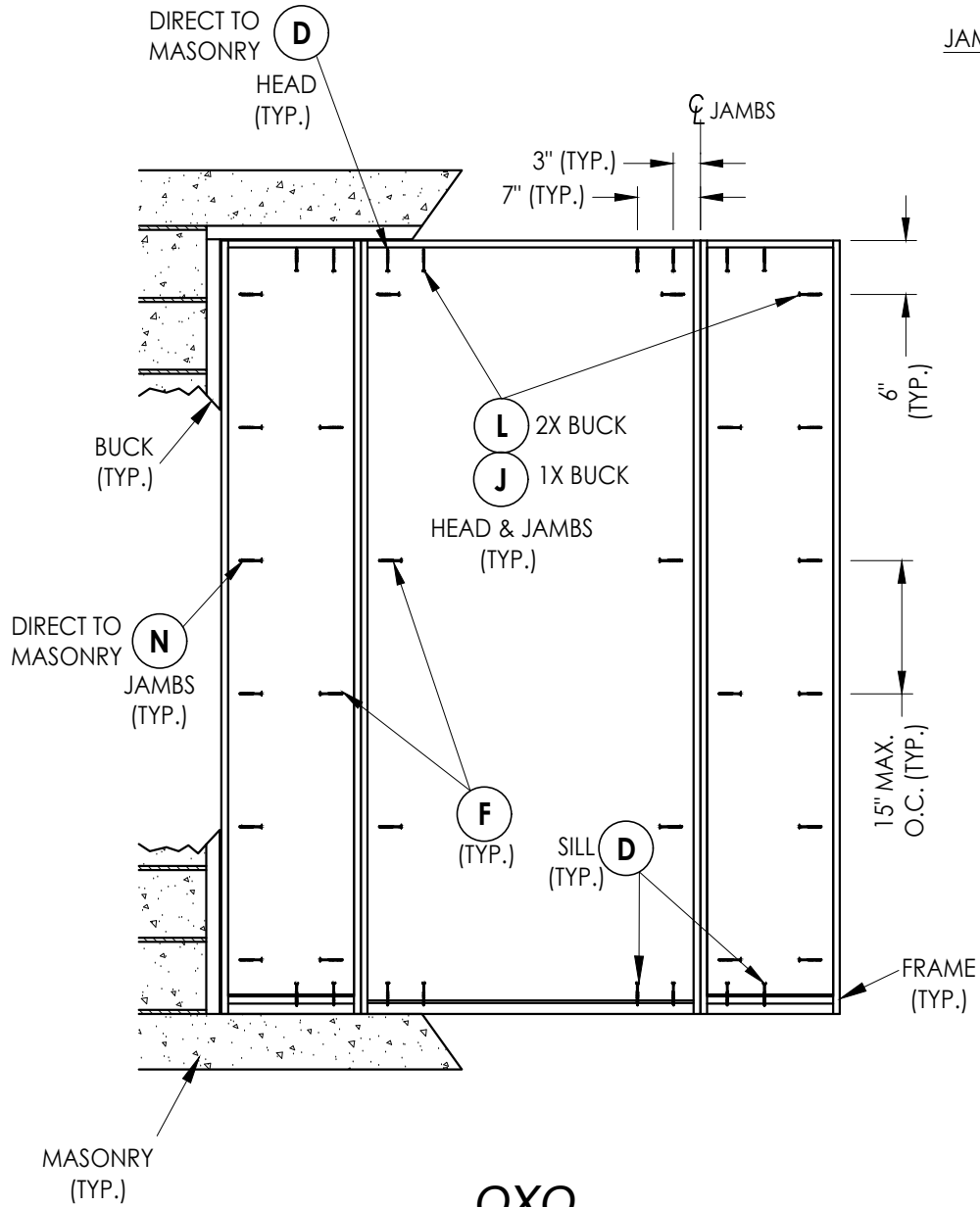
PART OR ASSEMBLY: BUCK ANCHORING

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

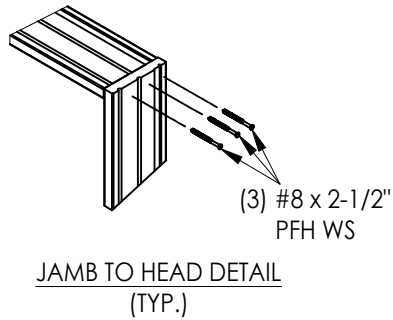
Z:\2023 FBC Drawings\Therma-Tru\FL-21131 R3\FL-21131.1-3.dwg



XO/OX



OXO



FRAME ANCHORING

REVISIONS	
NO.	DATE
3	7/03/26
2	8/07/23
1	7/14/20

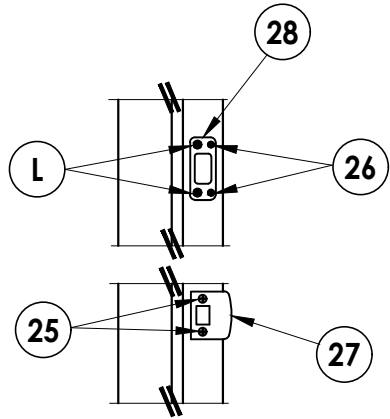
DATE: 10/11/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21131.2
SHEET 11 OF 14

PRODUCT:	THERMA-TRU STEEL DOOR
PART OR ASSEMBLY:	FRAME ANCHORING

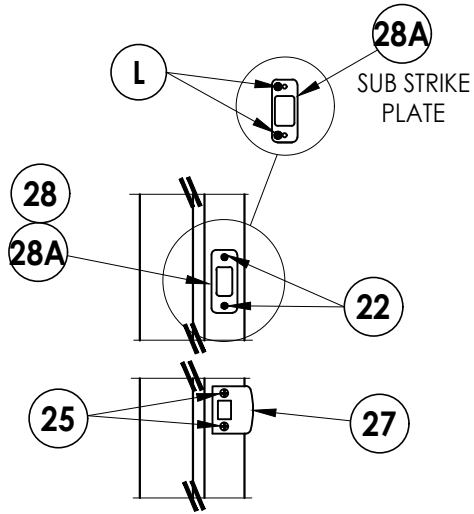
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

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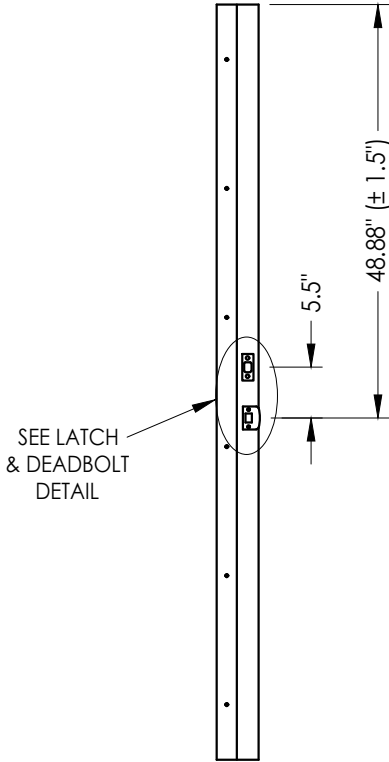


LATCH & DEADBOLT DETAIL
Kwikset

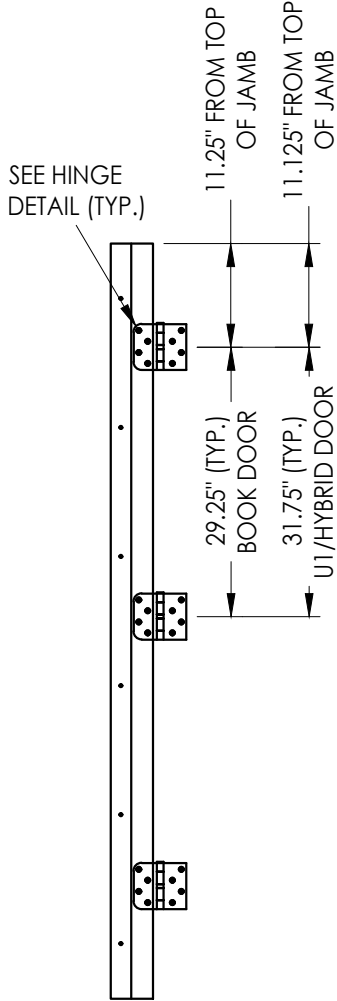


LATCH & DEADBOLT DETAIL
Schlage

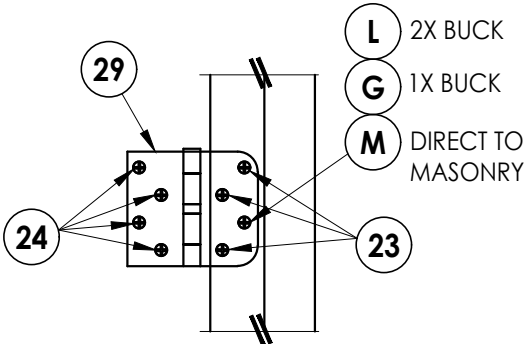
LATCH & DEADBOLT STRIKE DETAILS



STRIKE JAMB
Latch and Deadbolt



HINGE JAMB



HINGE DETAIL

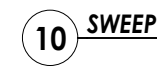
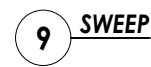
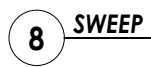
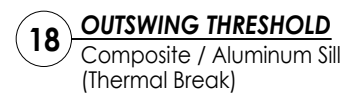
NO.	DATE	REVISIONS
3	7/03/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/07/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/14/20	UPDATE TO 7TH ED (2020) FBC LFS
		BY

DATE:	10/11/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21131.2
SHEET	12 of 14

PRODUCT:	THERMA-TRU STEEL DOOR
PART OR ASSEMBLY:	HARDWARE DETAILS

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



DATE:	10/11/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21131.2
SHEET	13 OF 14

R²W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33487
Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY:

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BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PFH WOOD SCREW	STEEL
G	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL
I	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL
1	JAMB (FINGER JOINT PINE)	WOOD
2	JAMB (FINGER JOINT PINE)	WOOD
6	WEATHERSTRIP (MEDIUM REACH)	FOAM
7	WEATHERSTRIP (LONG REACH)	FOAM
8	SWEEP	VINYL
9	SWEEP (USE w/ MODERATE CLIMATE THRESHOLD)	VINYL
10	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL
11	#8-10 X 1-1/2" PLASCREW	STEEL
12	#6-18 X 1-3/4" PFH SCREW	STEEL
15	PUBLIC ACCESS THRESHOLD	ALUM
16	OUTSWING THRESHOLD	ALUM/COMP
17	OUTSWING THRESHOLD	ALUM/COMP
18	OUTSWING THRESHOLD	ALUM/COMP
22	#8 x 3/4" PFH WOOD SCREW	STEEL
23	#10 x 3/4" PFH WOOD SCREW	STEEL
24	#10 x 1" PFH WOOD SCREW	STEEL

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
25	#8 x 2-1/2" PFH WOOD SCREW	STEEL
26	#8 x 5/8" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
28A	DEADBOLT SUB STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
32	INSWING THRESHOLD	ALUM/COMP
33	INSWING THRESHOLD	ALUM/COMP
36	INSWING THRESHOLD	ALUM/COMP
37	INSWING THRESHOLD	ALUM/COMP
38	INSWING THRESHOLD	ALUM/COMP
39	INSWING THRESHOLD	ALUM/COMP
40	DOOR PANEL (BOOK) - "PROFILES" SERIES	-
41	DOOR PANEL (HYBRID) - "PROFILES" SERIES	-
42	DOOR PANEL (U1) - "PROFILES" SERIES	-
50	SIDELITE (FULL LITE)	-
60	DOOR PANEL (BOOK) - "TRADITIONS" SERIES	-
61	DOOR PANEL (HYBRID) - "TRADITIONS" SERIES	-
62	DOOR PANEL (U1) - "TRADITIONS" SERIES	-
75	SIDELITE SPACER (INSWING)	PVC
76	SIDELITE SPACER (OUTSWING)	PVC
77	SIDELITE SPACER (INSWING) - MODERATE CLIMATE SILL	PVC

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"	AS SHOWN	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:
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P.E. No. 43409

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PRODUCT:

THERMA-TRU
STEEL DOOR

PART OR ASSEMBLY:

BILL OF MATERIALS

REVISIONS

DATE: 10/11/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21131.2
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