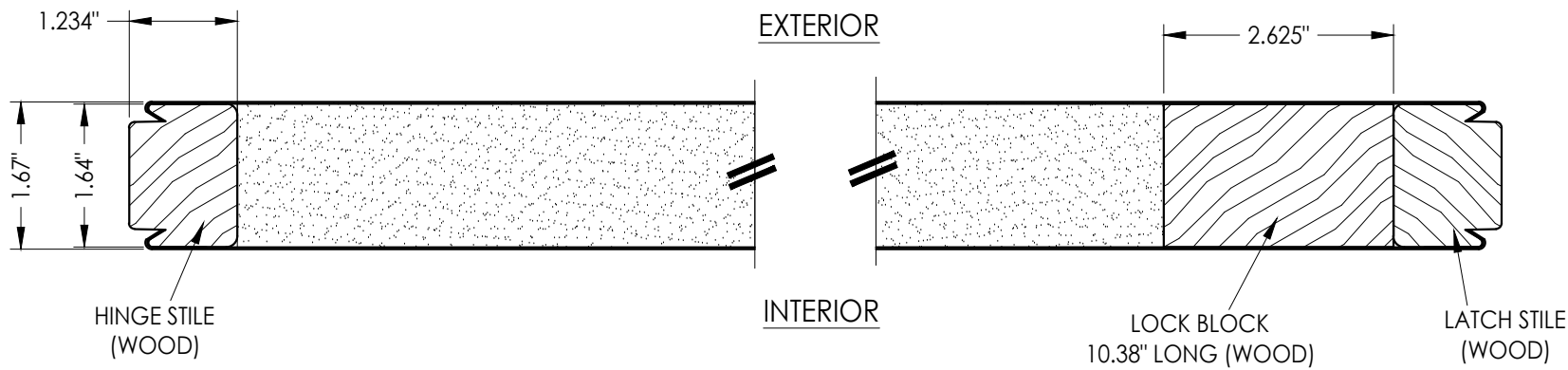
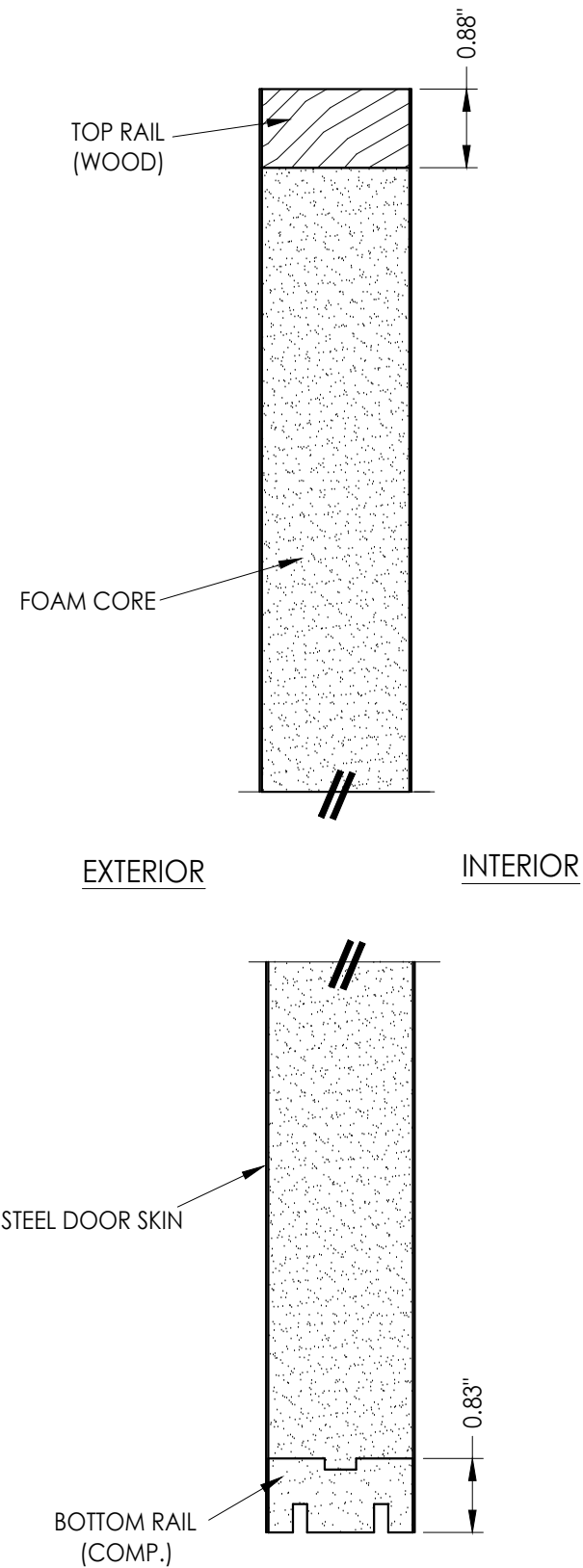
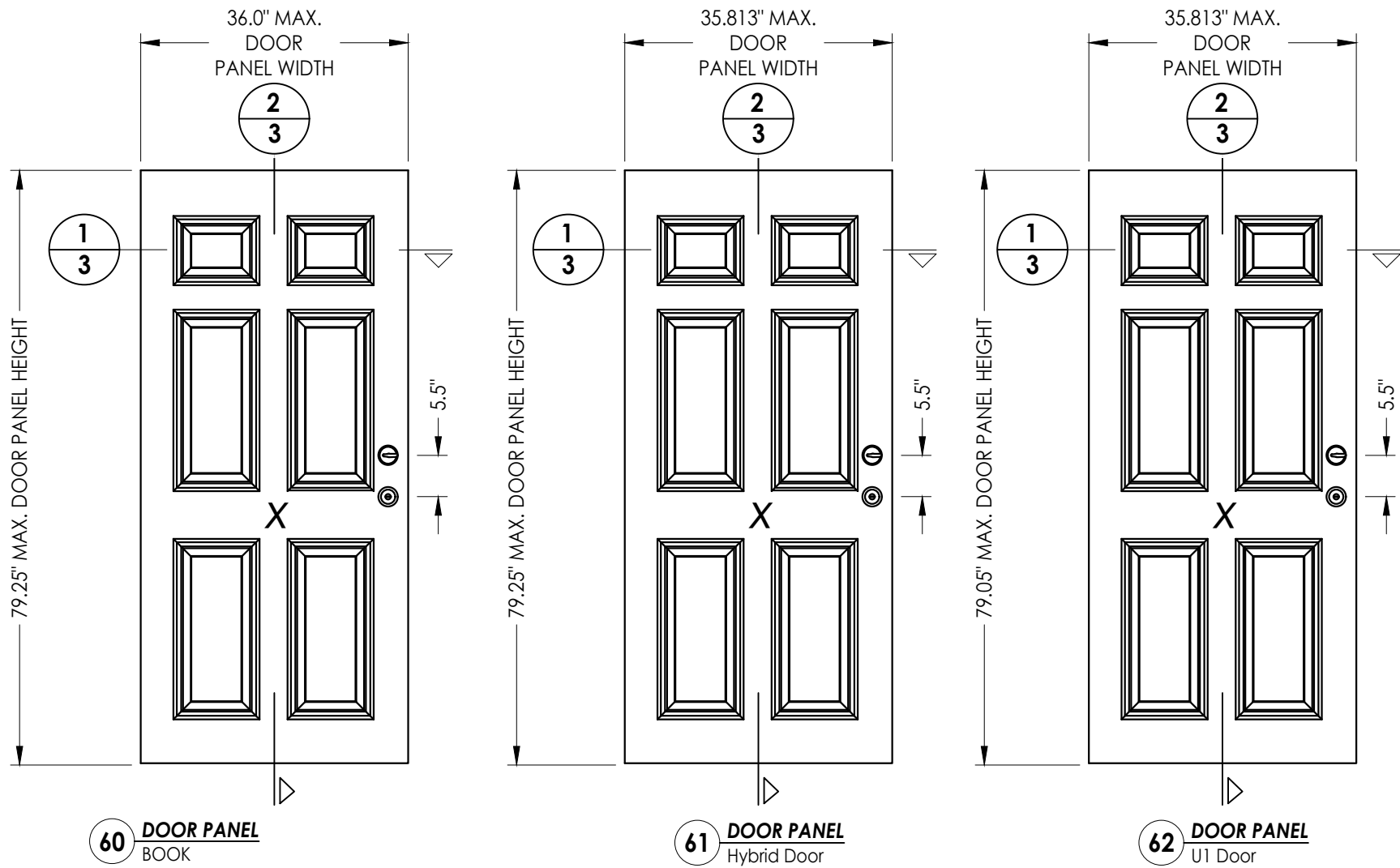


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1
3 HORIZONTAL CROSS SECTION



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:
Lyndon F. Schmidt
P.E. No. 43409

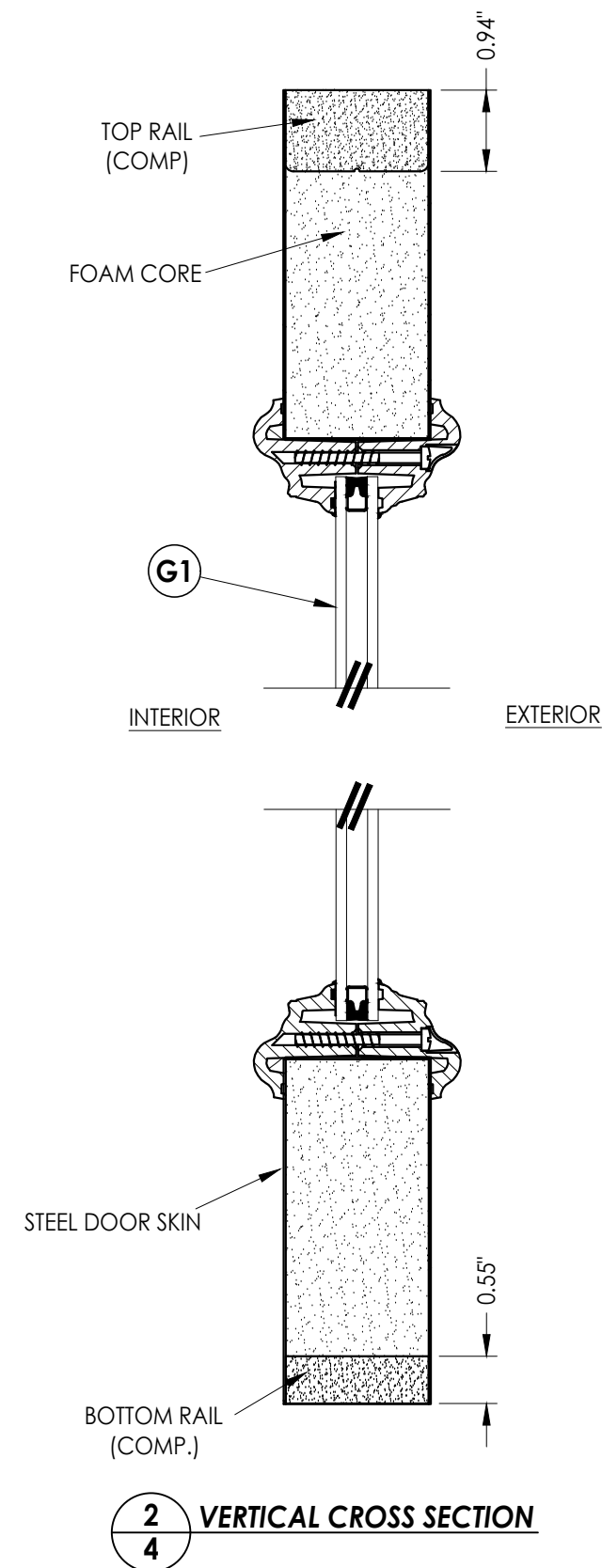
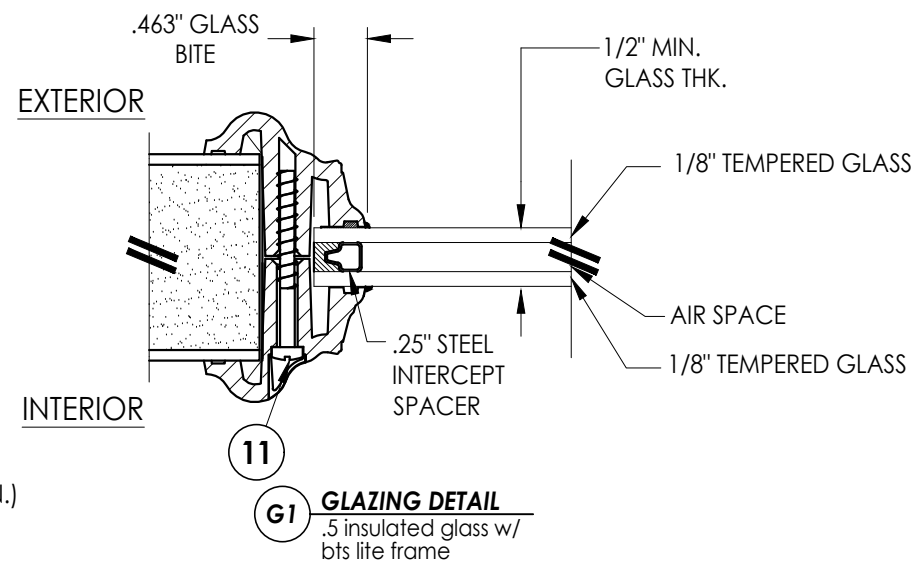
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

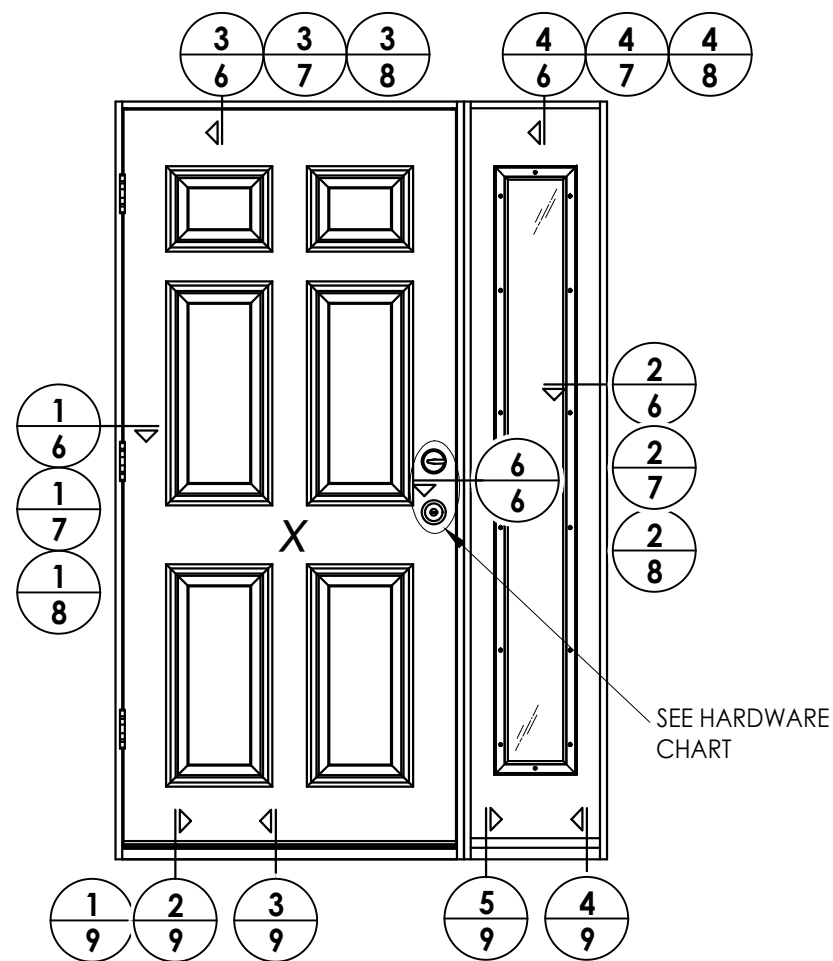
PRODUCT:		THERMA-TRU STEEL DOOR	
PART OR ASSEMBLY:		"TRADITIONS" DOOR PANEL DETAILS	
NO.	DATE	REVISIONS	
		BY	DATE
2	8/07/23	UPDATE TO 8TH ED. (2023)	FBC
1	7/14/20	UPDATE TO 7TH ED (2020)	FBC
1	7/14/20	DATE	BY
DATE: 10/11/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21131.2	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



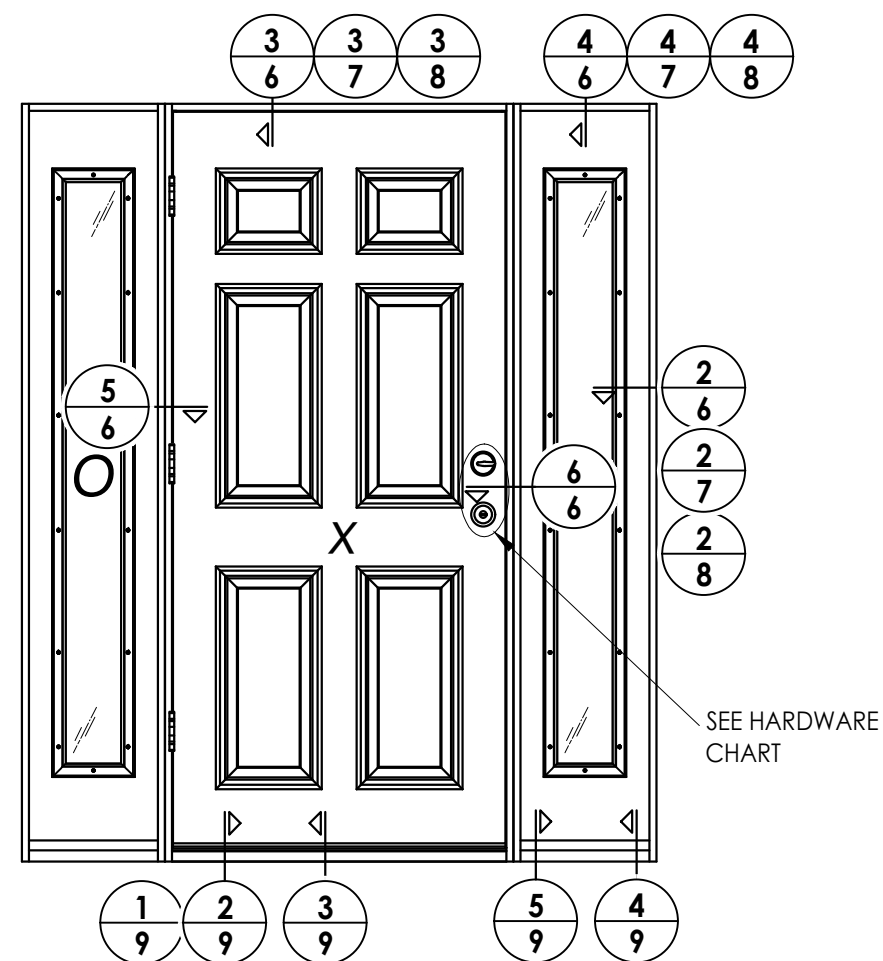
1. Spacing for item #11 & #12 (lite frame screws) is as follows: From the top down on sides; 3", 14.75", 26.5", 38.25", 50.5" & 62.25". There are (2) screws both top and bottom at 4.25" in from each corner.

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)

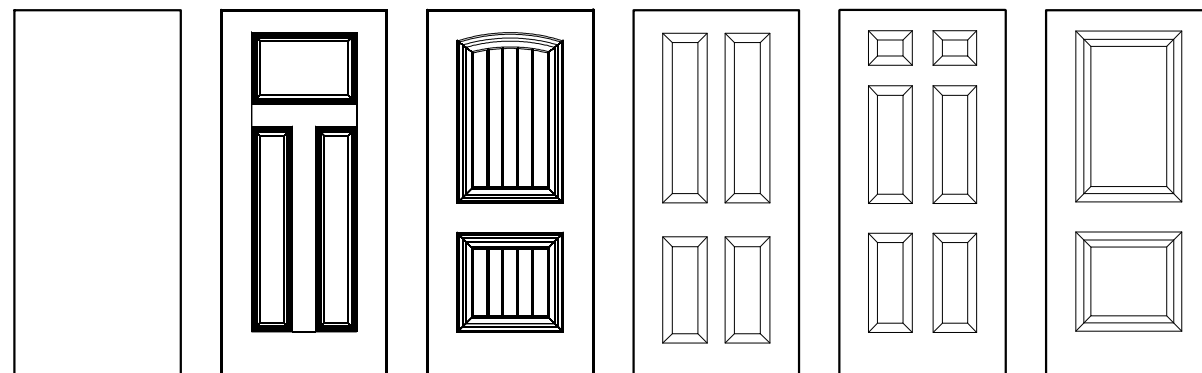
[illegible]



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)

[illegible]

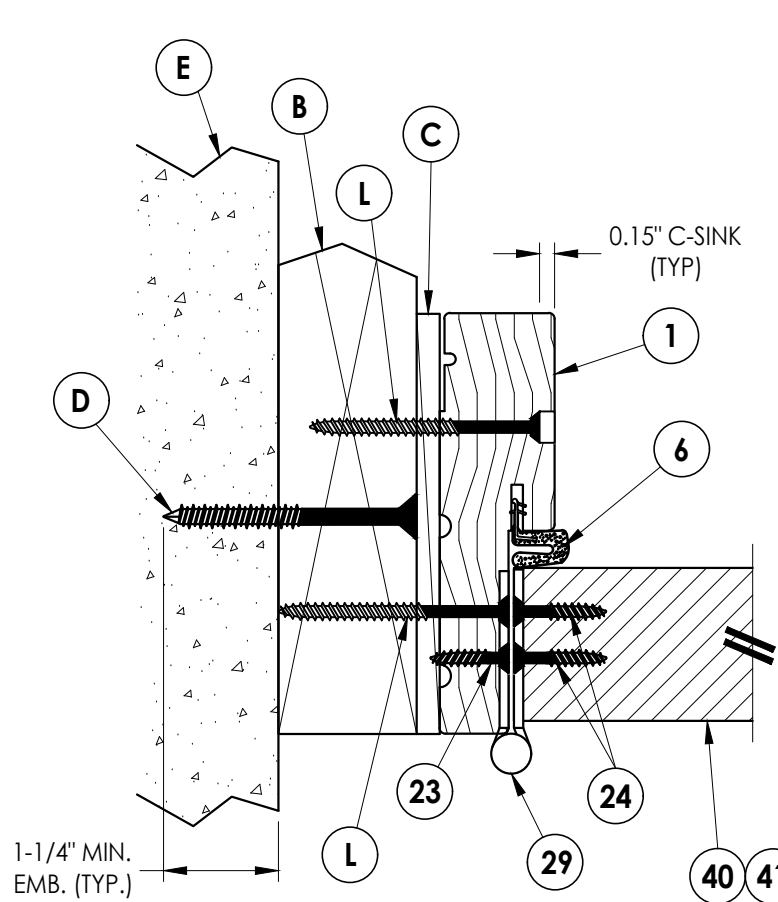
DATE:	10/11/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21131.2
SHEET	5 OF 14

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

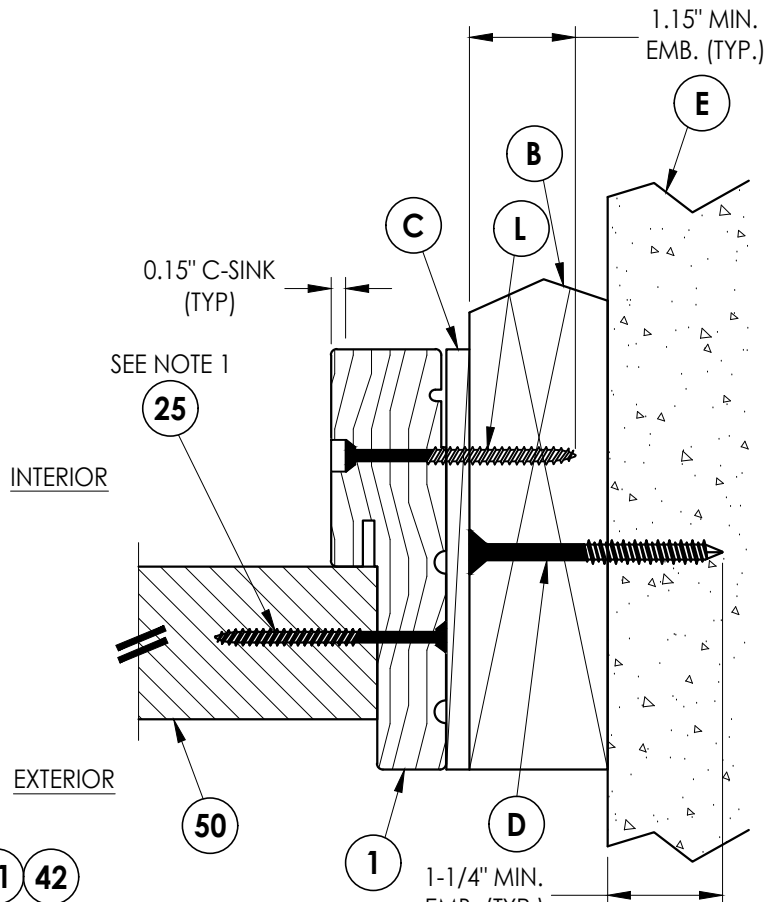
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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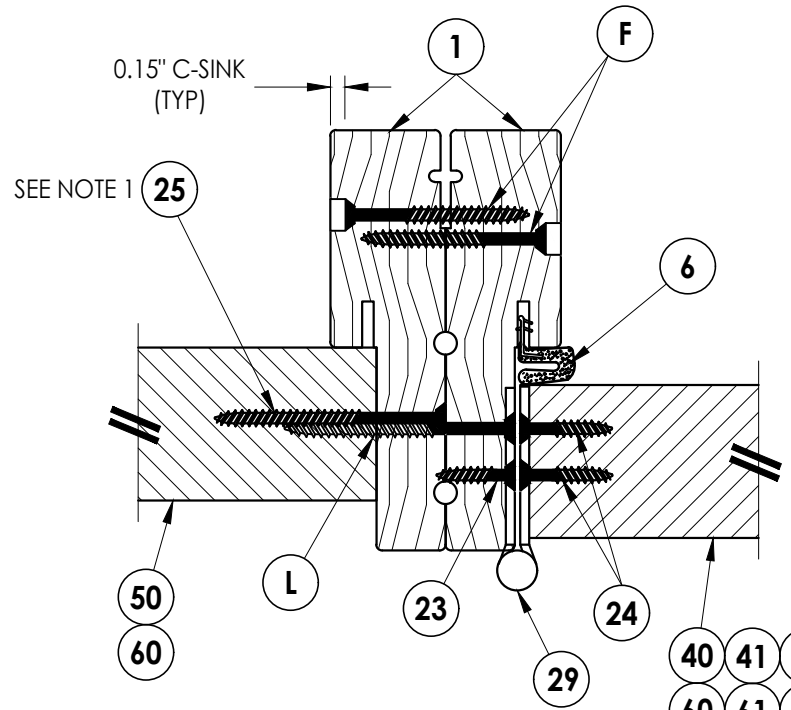
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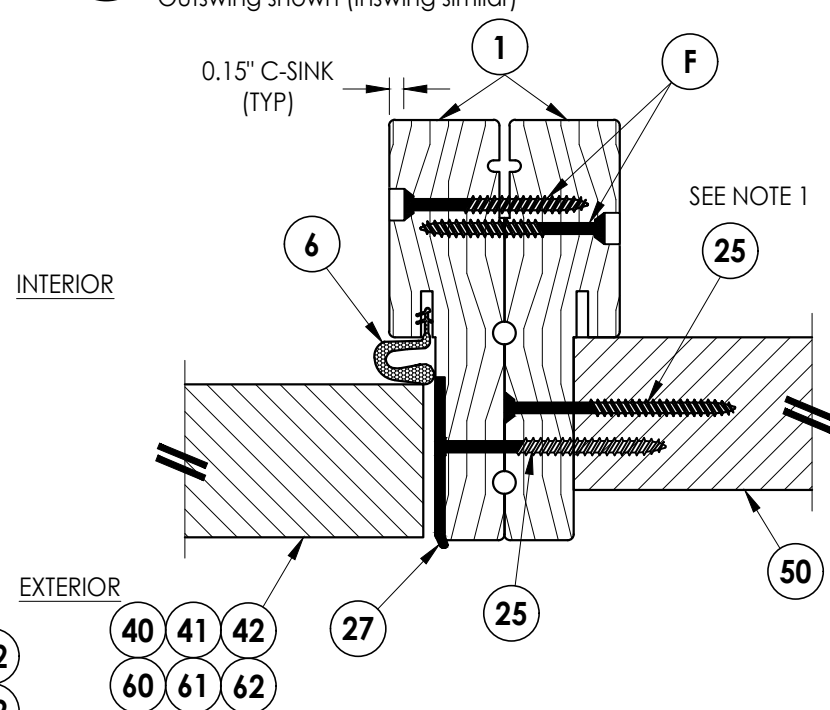
1
6 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



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



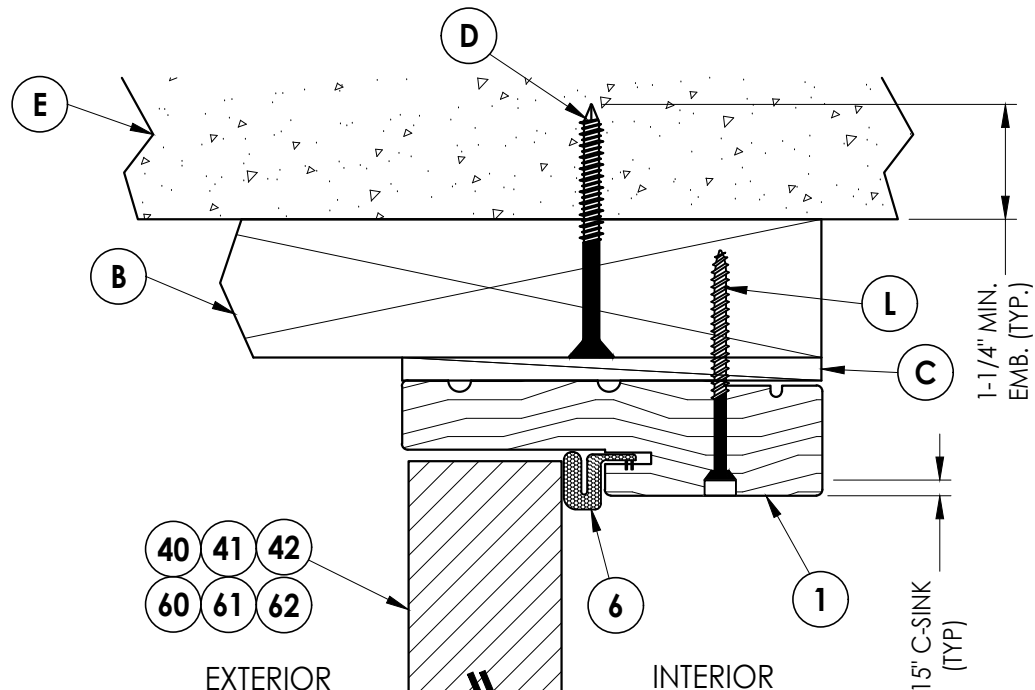
5
6 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



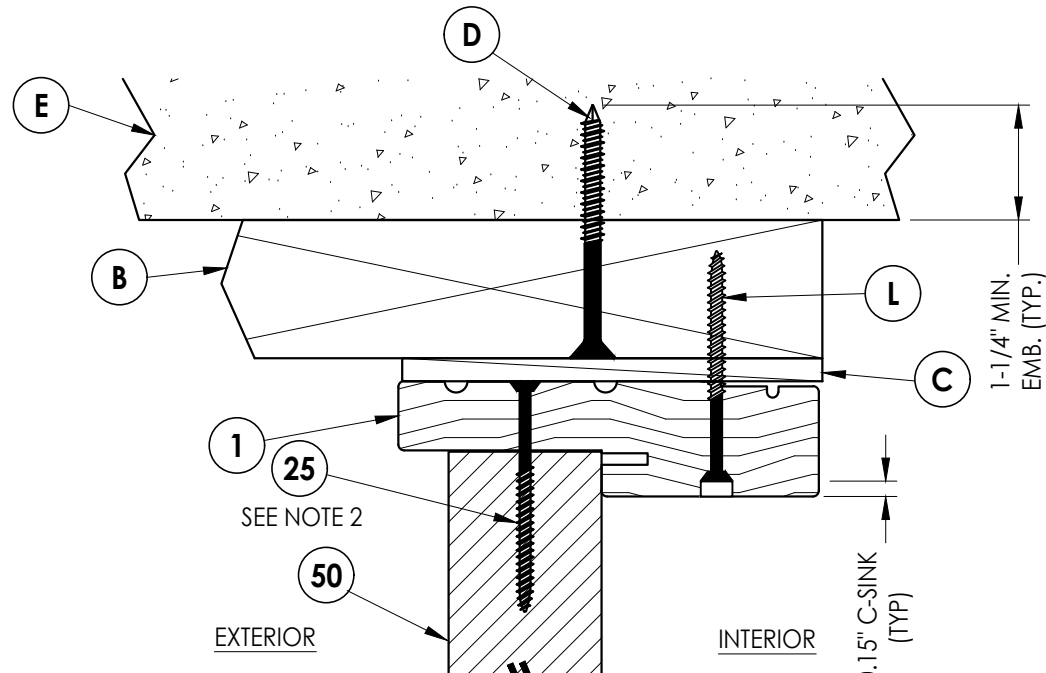
6
6 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

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)



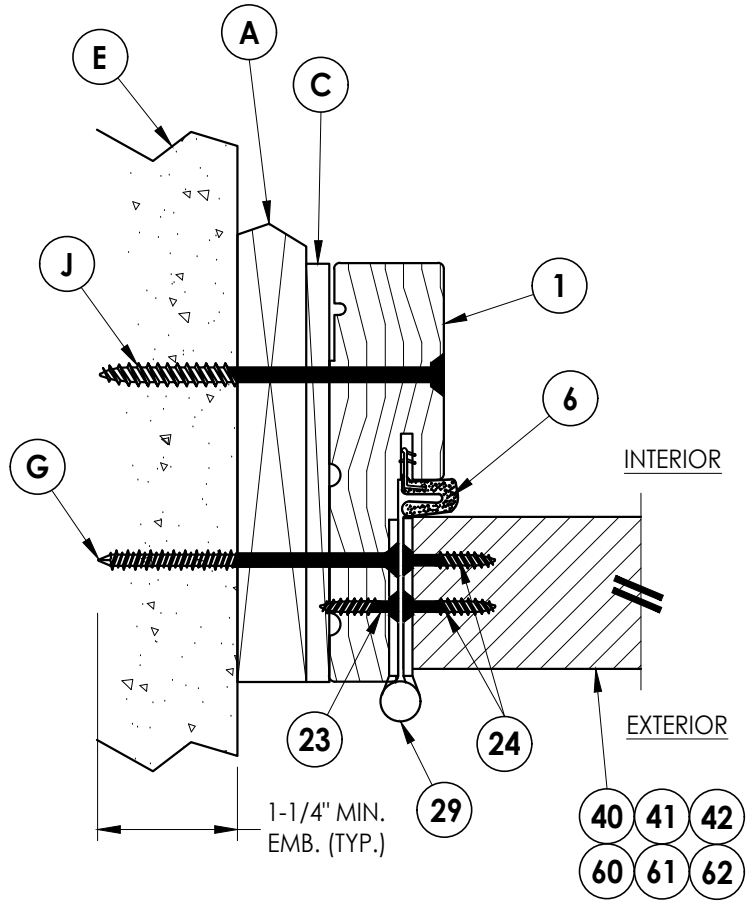
4
6 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)

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

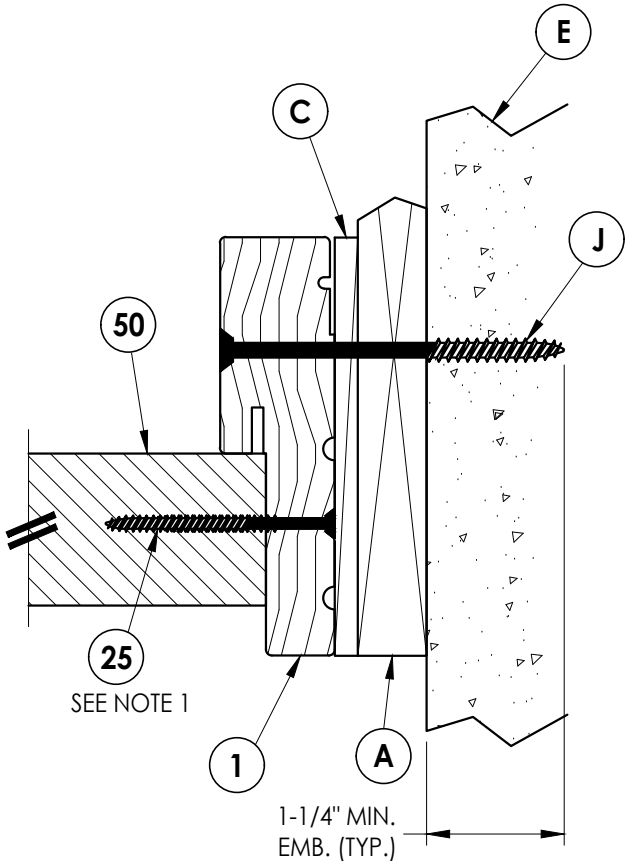
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:		THERMA-TRU STEEL DOOR	
PART OR ASSEMBLY:		HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
NO.	DATE	REVISIONS	
		DESCRIPTION	BY
1	7/14/20	UPDATE TO 7TH ED (2020) FBC	LFS
2	8/07/23	UPDATE TO 8TH ED. (2023) 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			

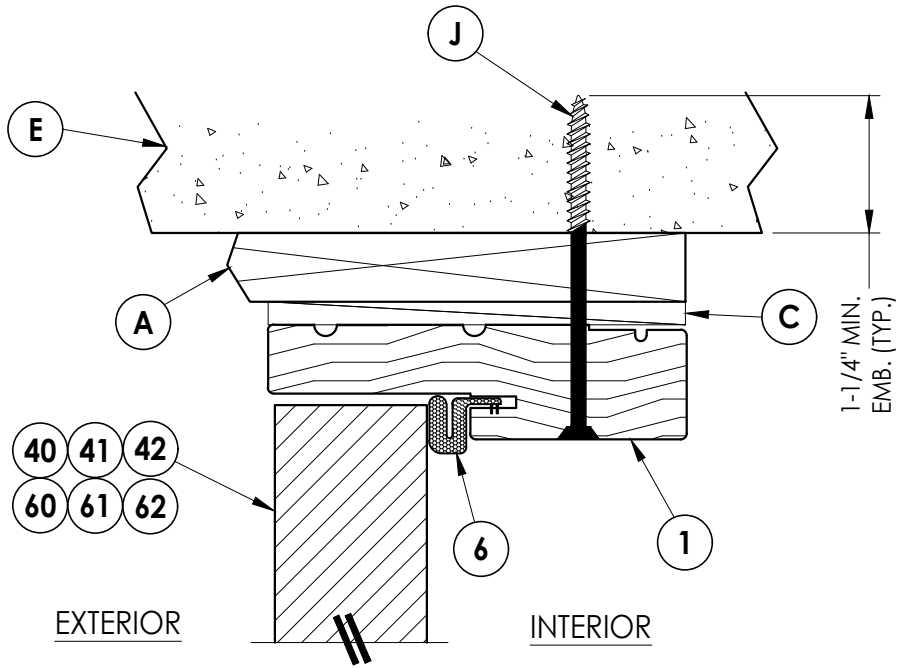
- Notes:
- 1. Sidelite assembly screws located 8" from top and 8" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
 - 2. Sidelite assembly screws located 3" from each end (2 screws along head jamb).



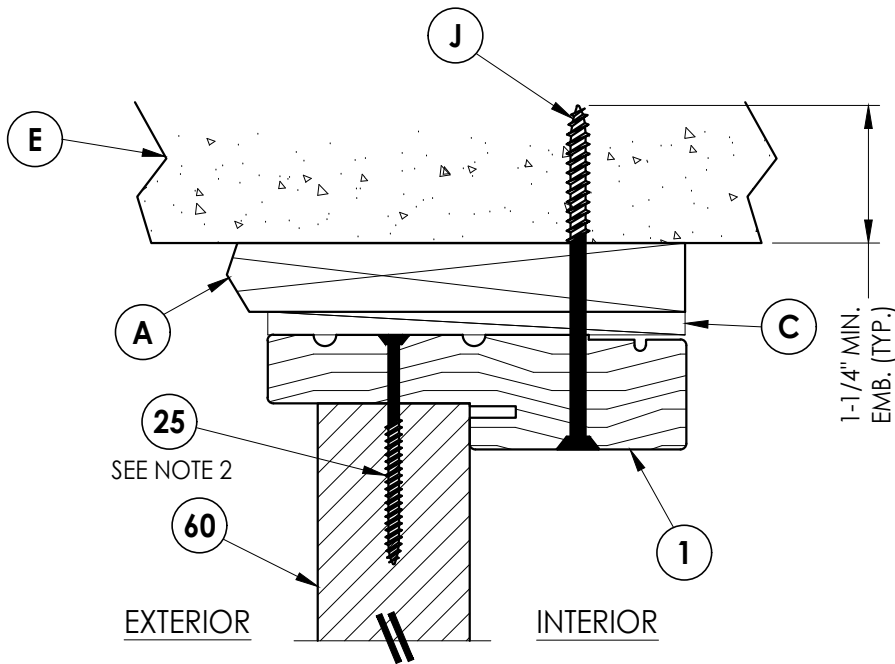
1
7 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



2
7 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



3
7 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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

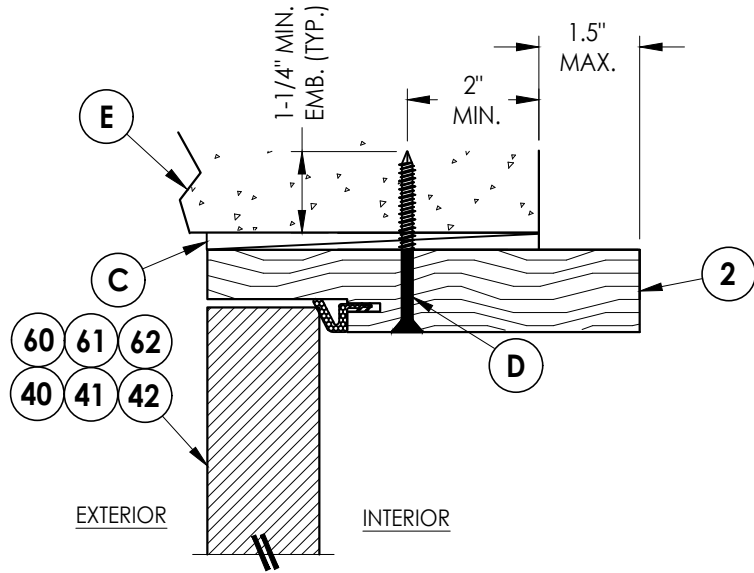
PRODUCT: THERMA-TRU
STEEL DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (1X BUCK)

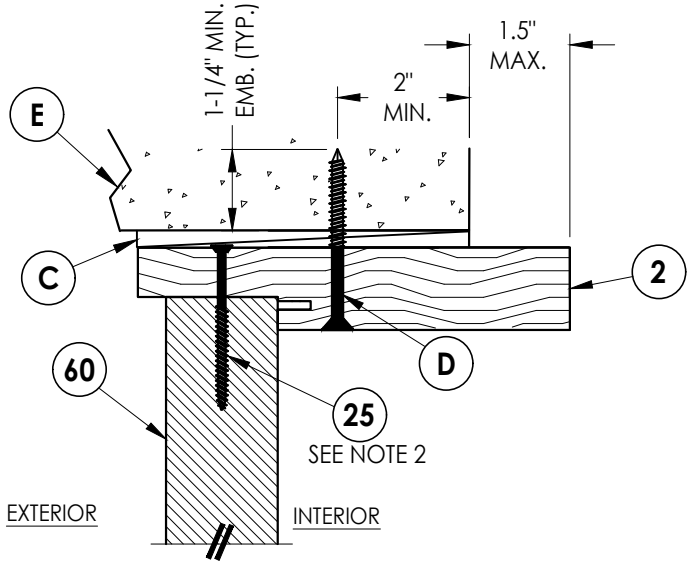
REVISIONS			
NO.	DATE	BY	
2	8/07/23	UPDATE TO 8TH ED. (2023)	FBC
1	7/14/20	UPDATE TO 7TH ED (2020)	FBC

DATE: 10/11/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-21131.2
SHEET 7 OF 14

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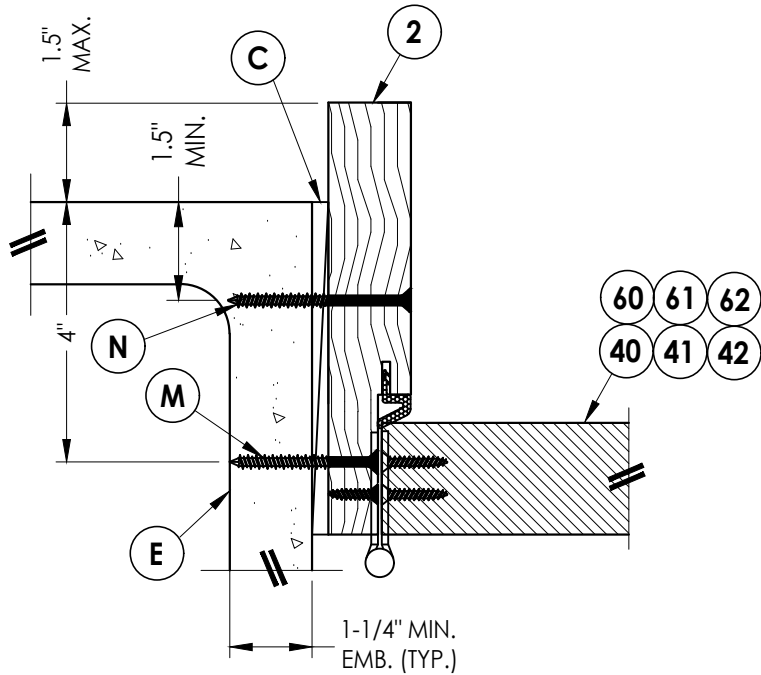
3/8 HORIZONTAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



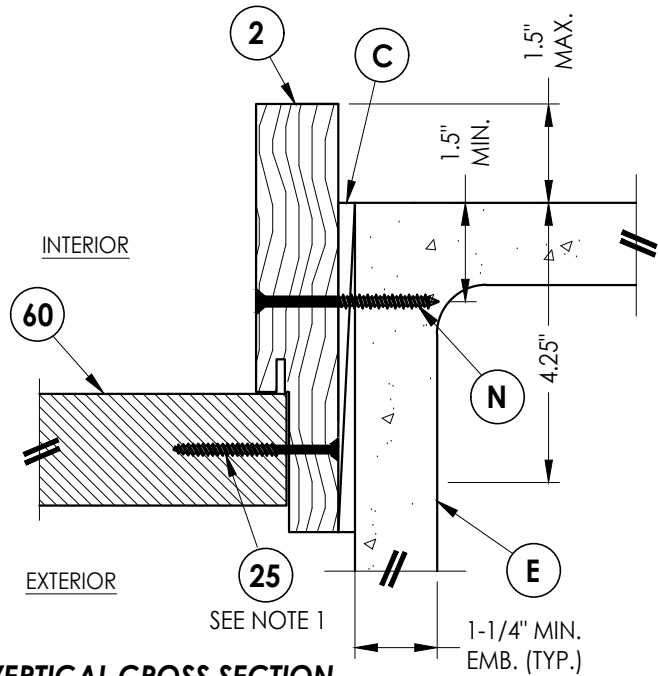
4/8 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

Notes:

- Sidelite assembly screws located 8" from top and 8" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
- 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)

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

DATE: 10/11/17

SCALE: N.T.S.

DWG. BY: JK

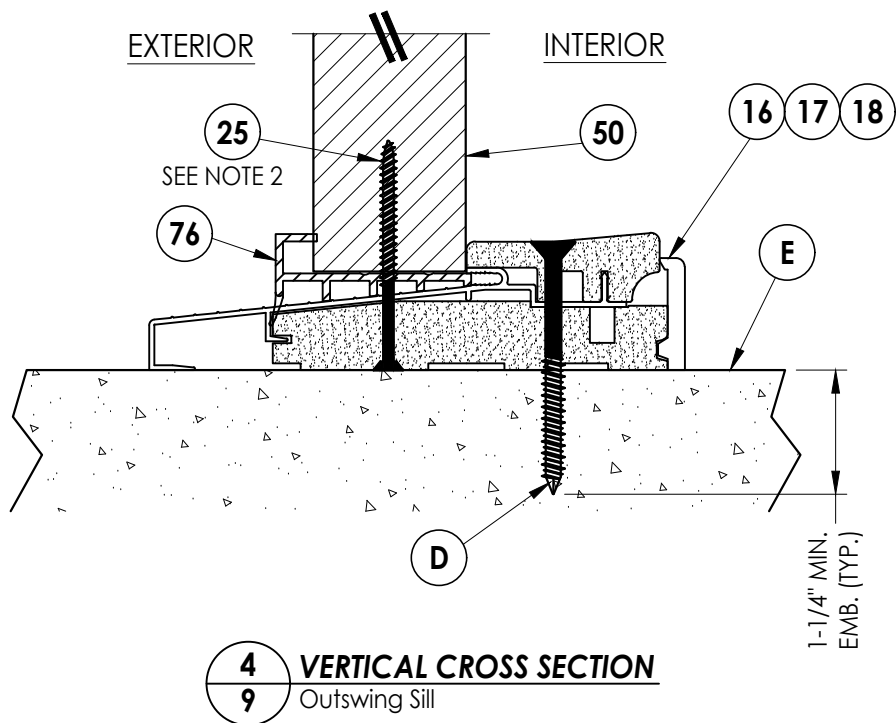
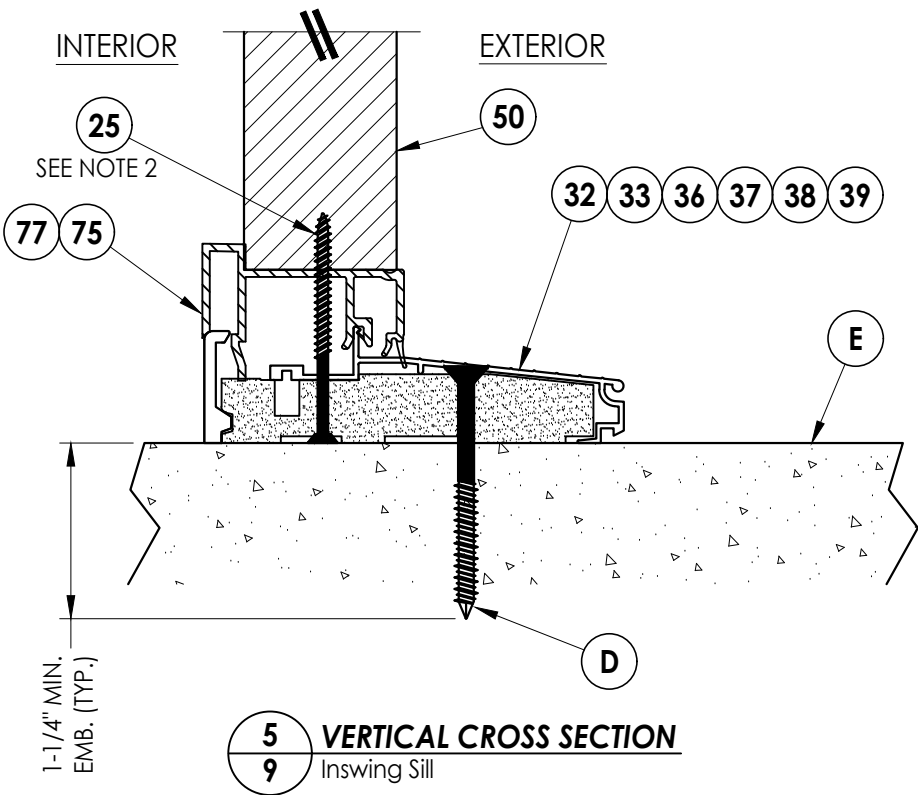
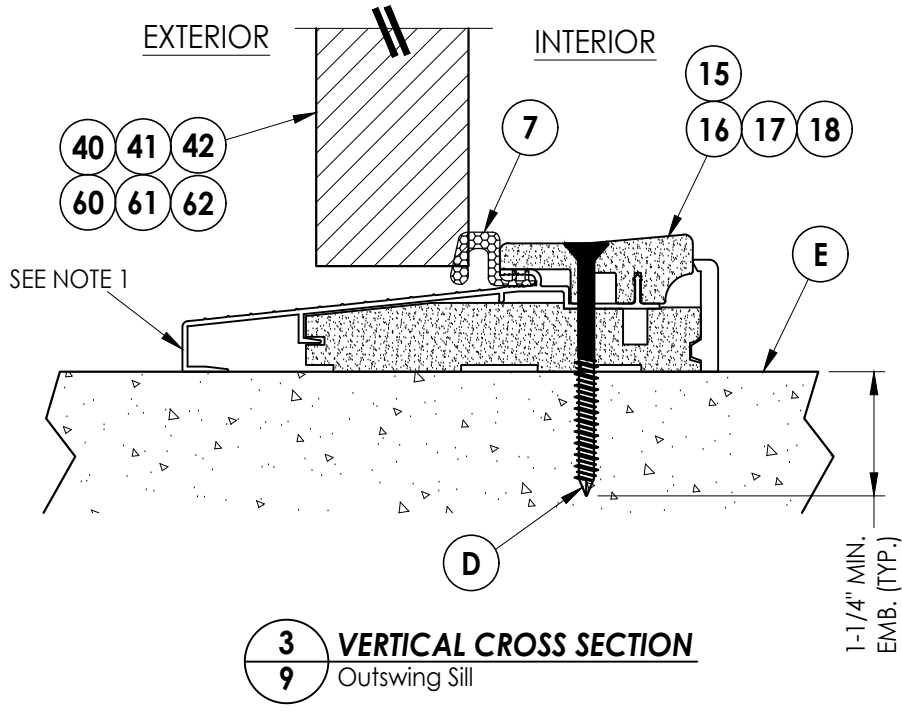
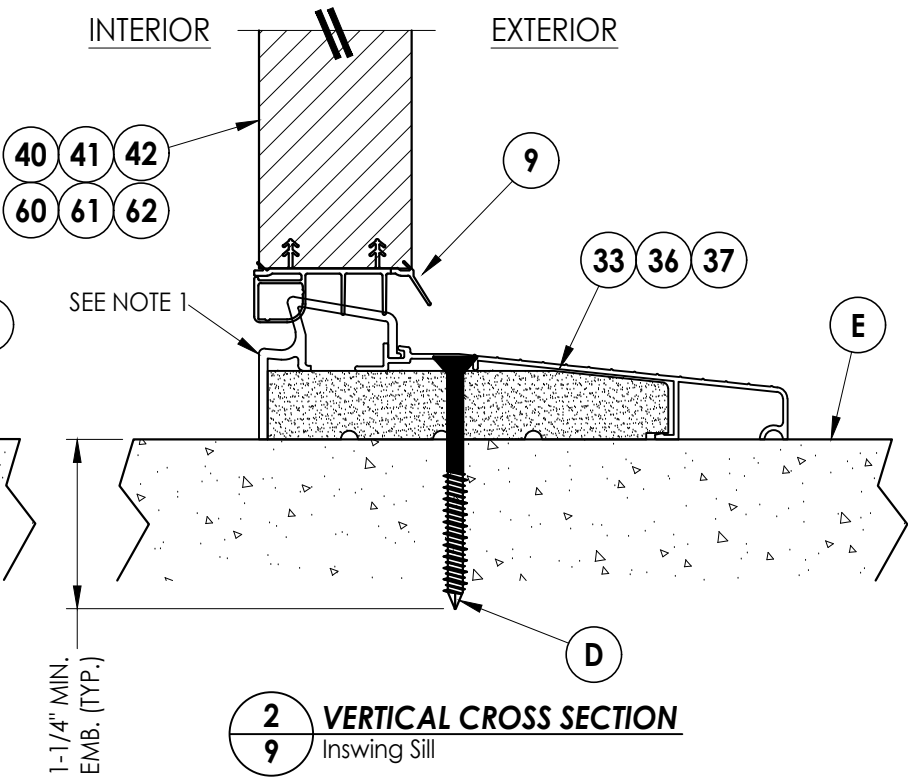
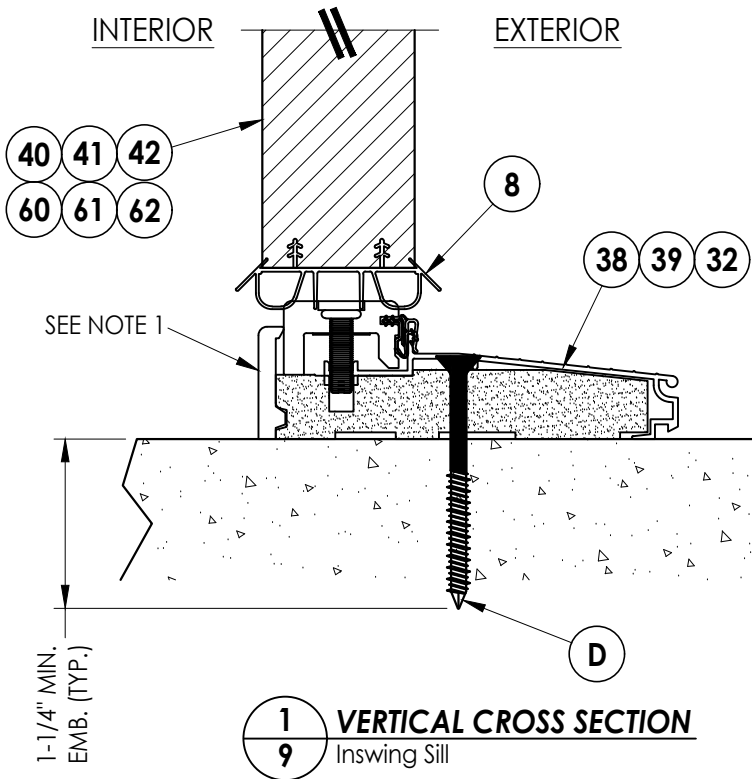
CHK. BY: LFS

DRAWING NO.:
FL-21131.2

SHEET 8 OF 14

Z:\2023 FBC Drawings\Therma-Tru\FL-21131 R2\FL-21131.1-3.dwg

- 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).



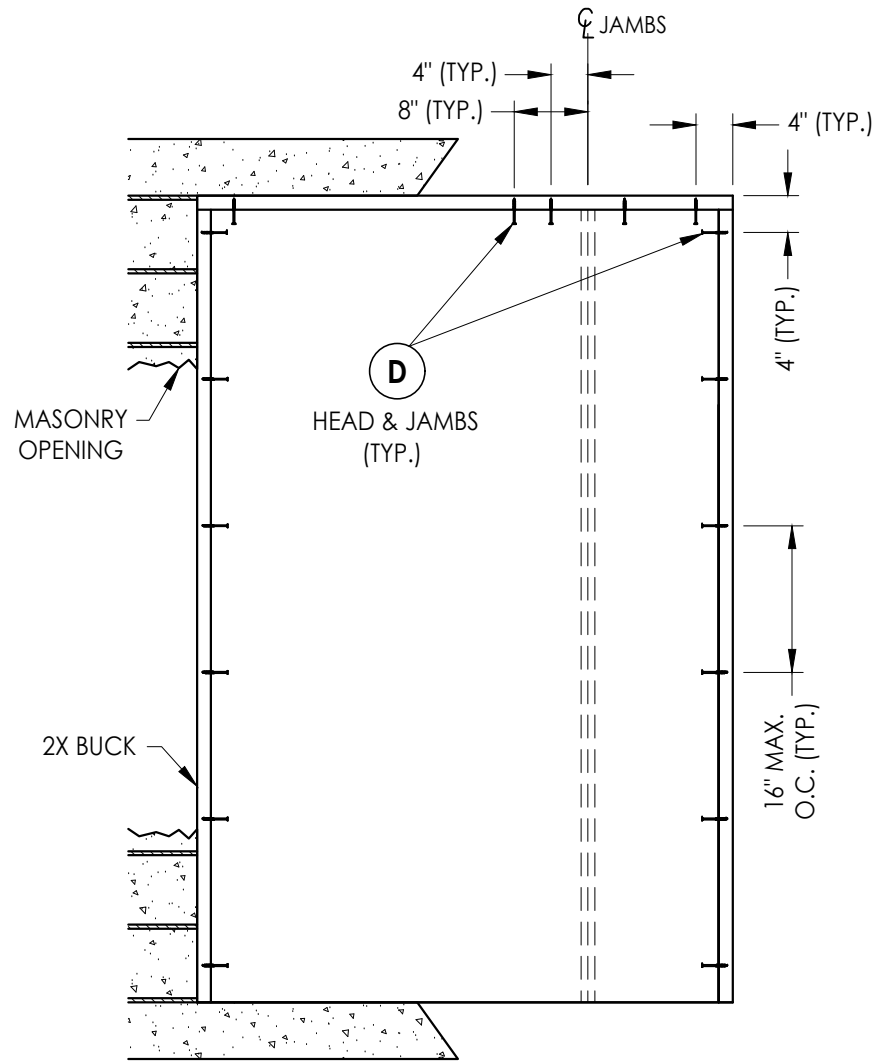
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

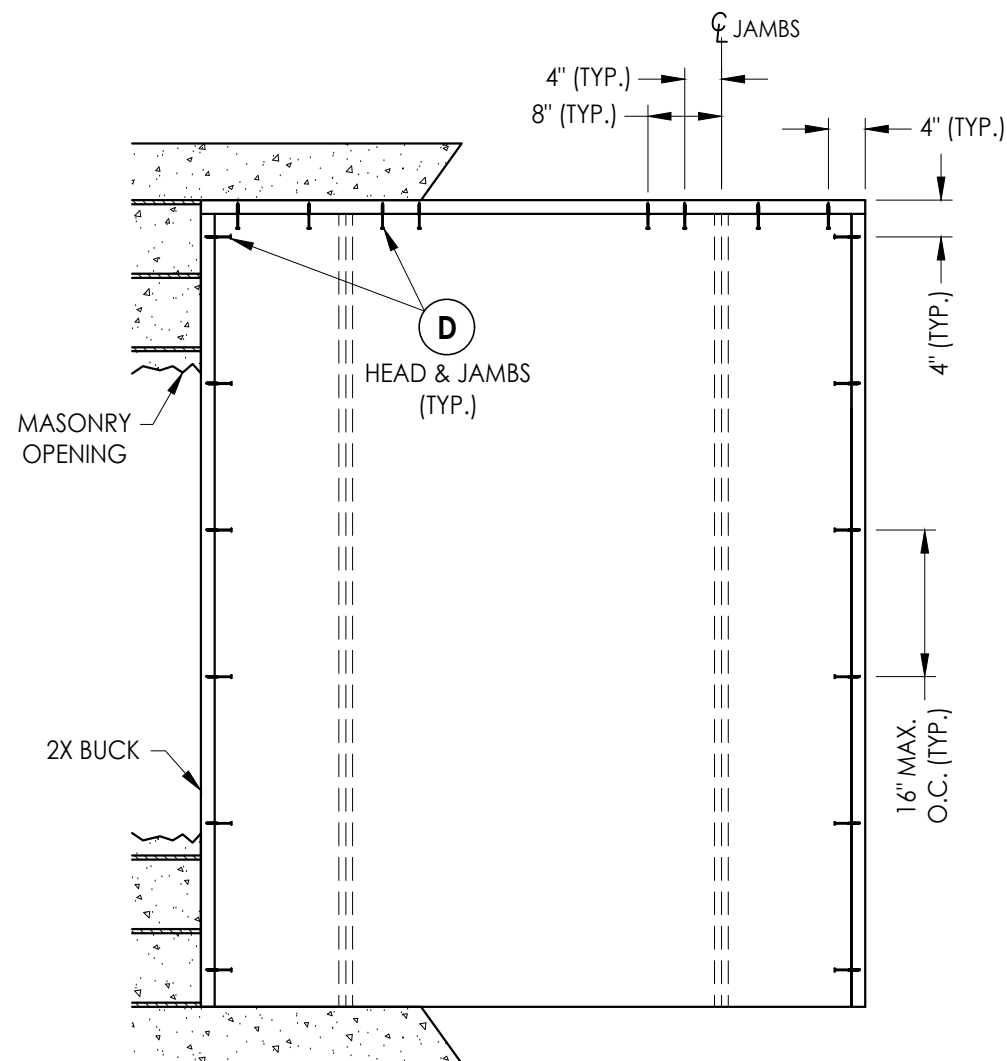
PRODUCT: THERMA-TRU STEEL DOOR
PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)

REVISIONS			
NO.	DATE	BY	LFS
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 9 OF 14



XO/OX



OXO

2X BUCK ANCHORING

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

RW 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

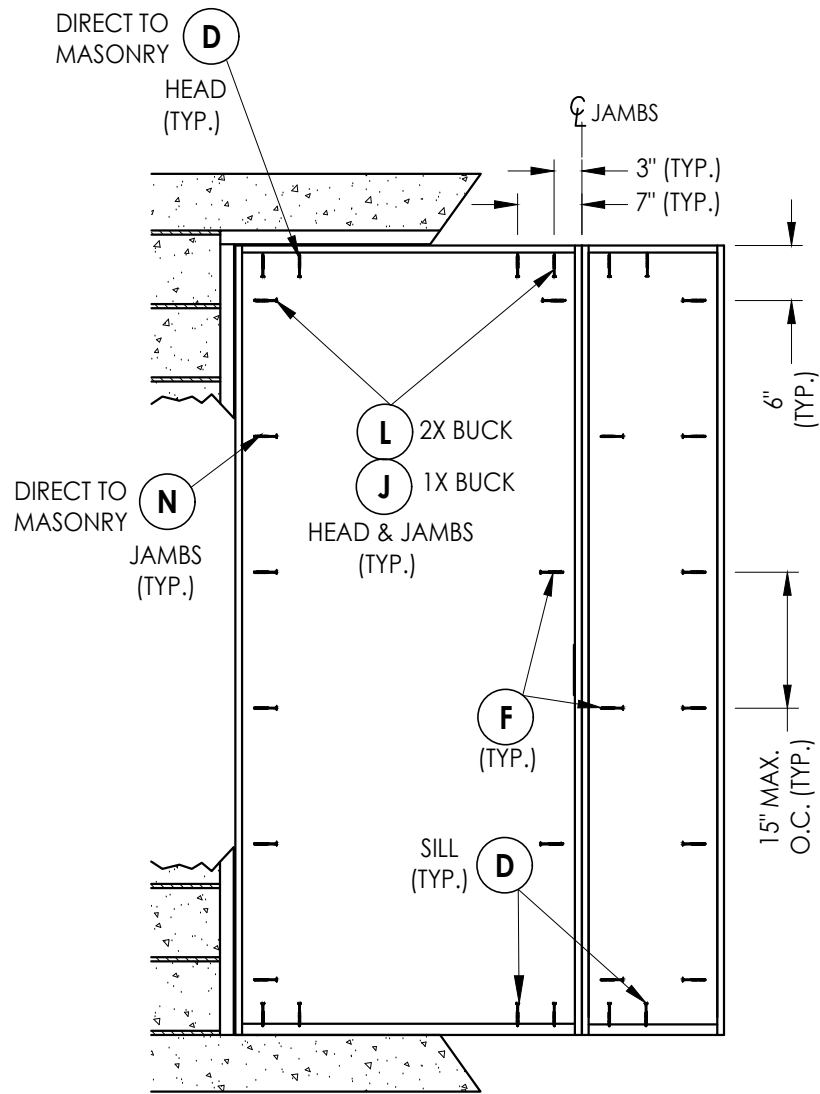
CHK. BY: LFS

DRAWING NO.:

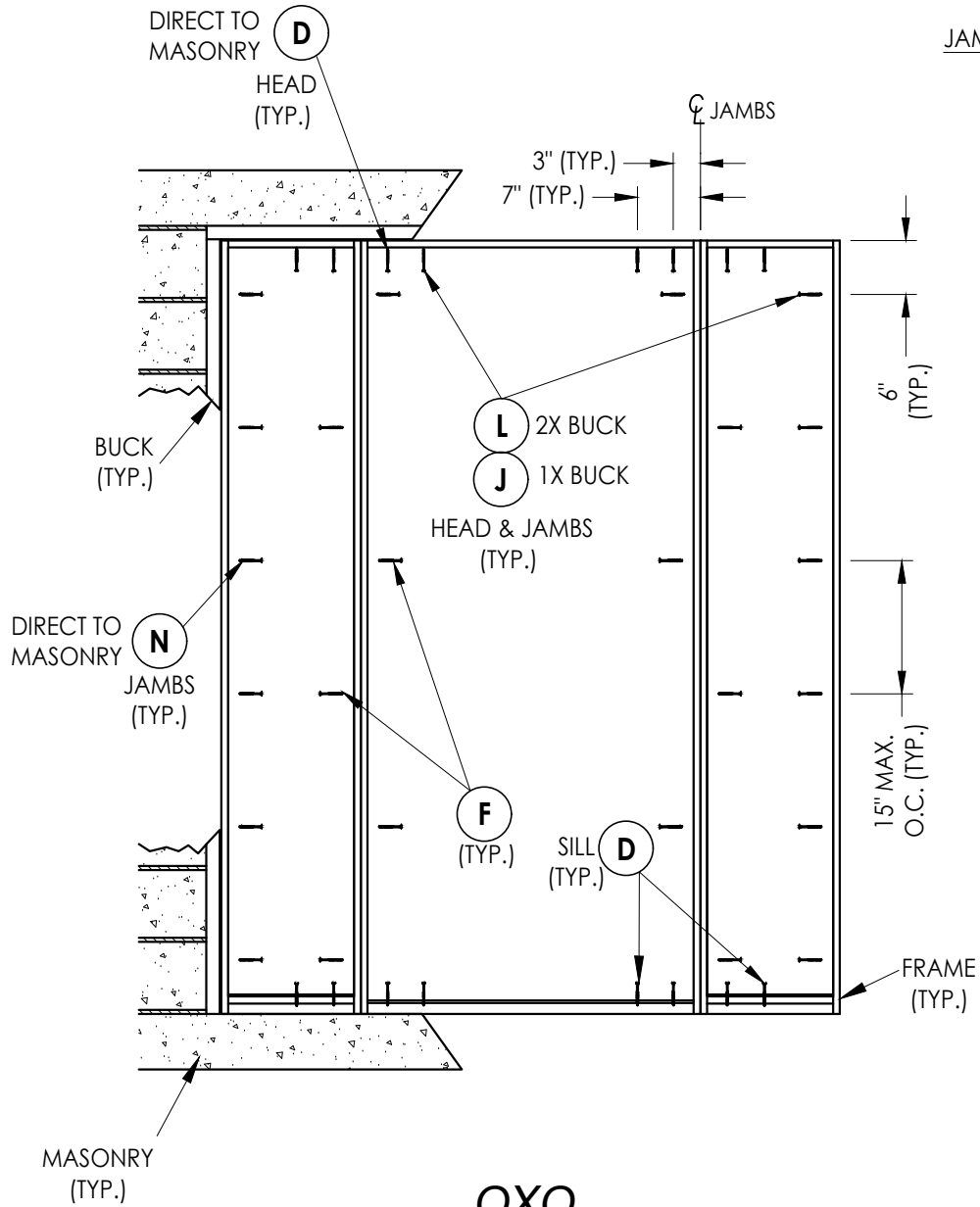
FL-21131.2

SHEET 10 OF 14

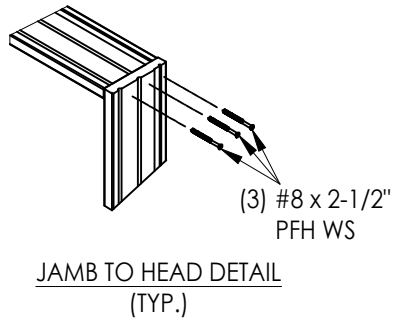
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XO/OX



OXO



FRAME ANCHORING

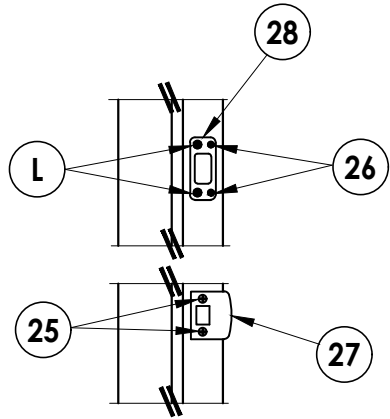
DATE: 10/11/17	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-21131.2	
SHEET 11 OF 14	

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

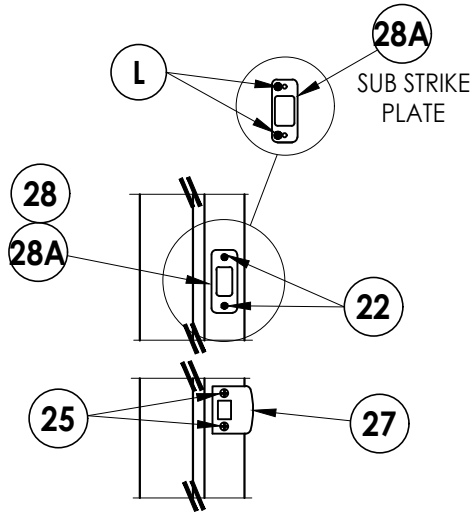
PRODUCT:	THERMA-TRU STEEL DOOR
PART OR ASSEMBLY:	FRAME ANCHORING

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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Z:\2023 FBC Drawings\Therma-Tru\FL-21131 R2\FL-21131.1-3.dwg

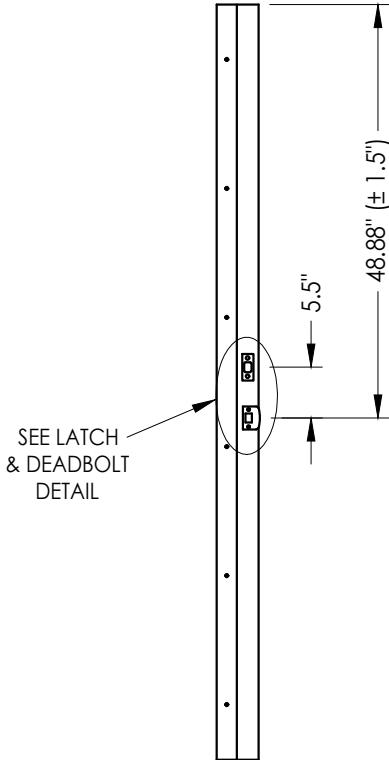


LATCH & DEADBOLT DETAIL
Kwikset

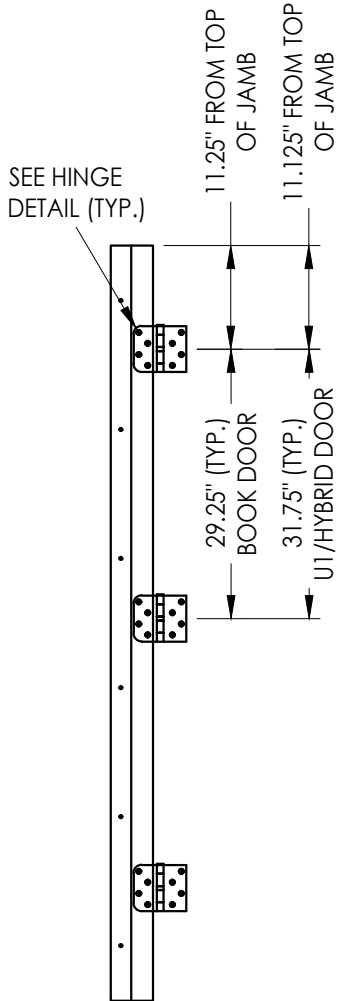


LATCH & DEADBOLT DETAIL
Schlage

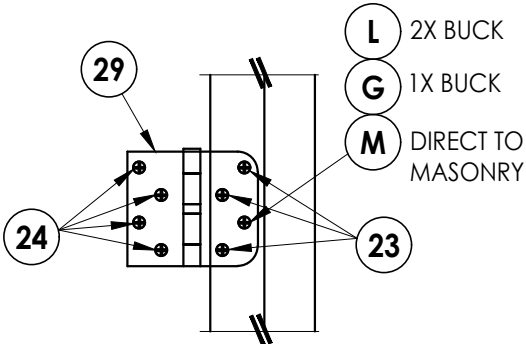
LATCH & DEADBOLT STRIKE DETAILS



STRIKE JAMB
Latch and Deadbolt

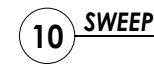
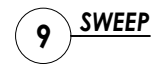
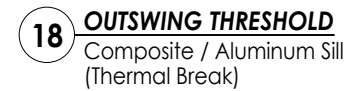
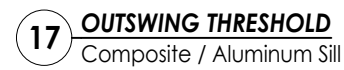
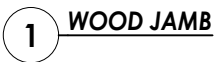


HINGE JAMB



HINGE DETAIL

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				RWBUILDING 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: HARDWARE DETAILS			
				LFS	FBC	REVISIONS	
				2	8/07/23	UPDATE TO 8TH ED. (2023)	
				1	7/14/20	UPDATE TO 7TH ED (2020)	
				NO.	DATE		
DATE: 10/11/17							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-21131.2							
SHEET 12 of 14							



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

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P.O. Box 230, Valrico, FL 33486
Phone No.: 813.659.9197
FBPE Registry No. 9813

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BILL OF MATERIALS			BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL	ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD	25	#8 x 2-1/2" PFH WOOD SCREW	STEEL
B	2X BUCK (SG >= 0.42)	WOOD	26	#8 x 5/8" PFH WOOD SCREW	STEEL
C	1/4" MAX. SHIM SPACE	-	27	LATCH STRIKE PLATE	STEEL
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	28	DEADBOLT STRIKE PLATE	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	28A	DEADBOLT SUB STRIKE PLATE	STEEL
			29	4" X 4" HINGE	STEEL
F	#10 X 2" PFH WOOD SCREW	STEEL	32	INSWING THRESHOLD	ALUM/COMP
G	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL	33	INSWING THRESHOLD	ALUM/COMP
I	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	36	INSWING THRESHOLD	ALUM/COMP
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	37	INSWING THRESHOLD	ALUM/COMP
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL	38	INSWING THRESHOLD	ALUM/COMP
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL	39	INSWING THRESHOLD	ALUM/COMP
1	JAMB (FINGER JOINT PINE)	WOOD	40	DOOR PANEL (BOOK) - "PROFILES" SERIES	-
2	JAMB (FINGER JOINT PINE)	WOOD	41	DOOR PANEL (HYBRID) - "PROFILES" SERIES	-
6	WEATHERSTRIP (MEDIUM REACH)	FOAM	42	DOOR PANEL (U1) - "PROFILES" SERIES	-
7	WEATHERSTRIP (LONG REACH)	FOAM	50	SIDELITE (FULL LITE)	-
8	SWEEP	VINYL	60	DOOR PANEL (BOOK) - "TRADITIONS" SERIES	-
9	SWEEP (USE w/ MODERATE CLIMATE THRESHOLD)	VINYL	61	DOOR PANEL (HYBRID) - "TRADITIONS" SERIES	-
10	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL	62	DOOR PANEL (U1) - "TRADITIONS" SERIES	-
11	#8-10 X 1-1/2" PLASCREW	STEEL	75	SIDELITE SPACER (INSWING)	PVC
12	#6-18 X 1-3/4" PFH SCREW	STEEL	76	SIDELITE SPACER (OUTSWING)	PVC
15	PUBLIC ACCESS THRESHOLD	ALUM	77	SIDELITE SPACER (INSWING) - MODERATE CLIMATE SILL	PVC
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			

CONCRETE ANCHOR NOTES:

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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"	AS SHOWN	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]