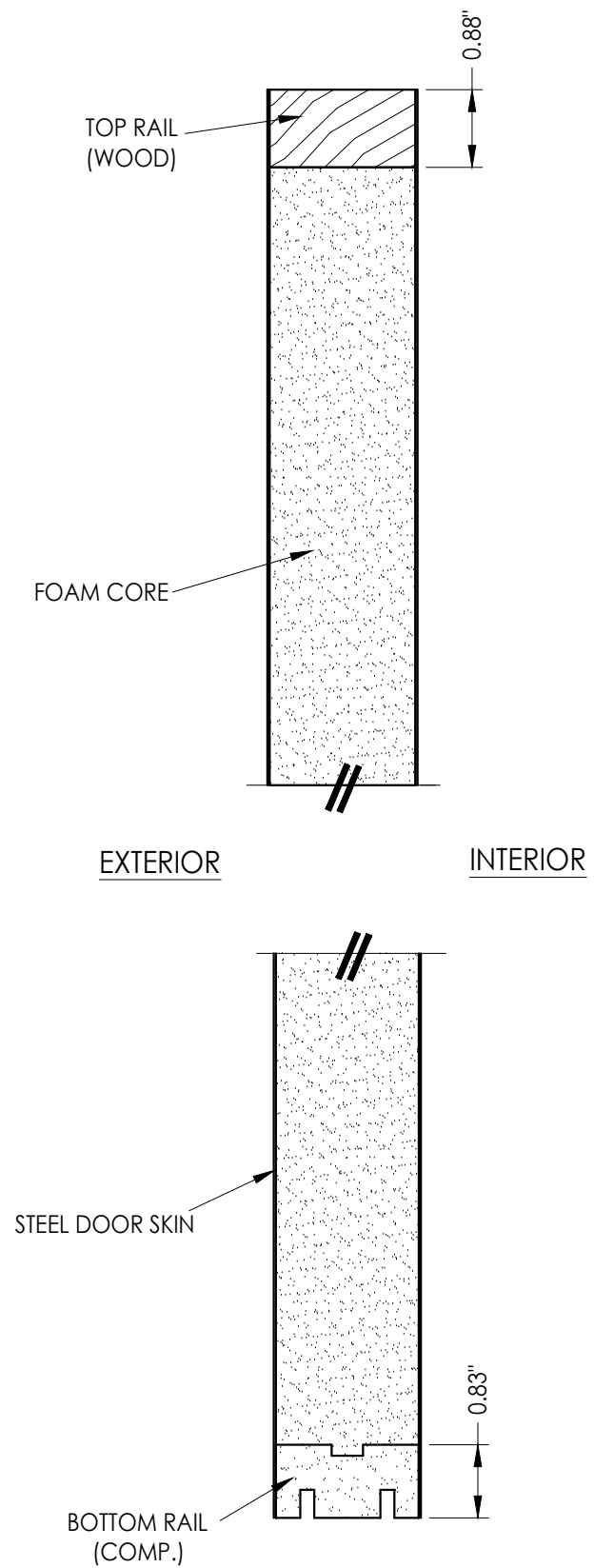
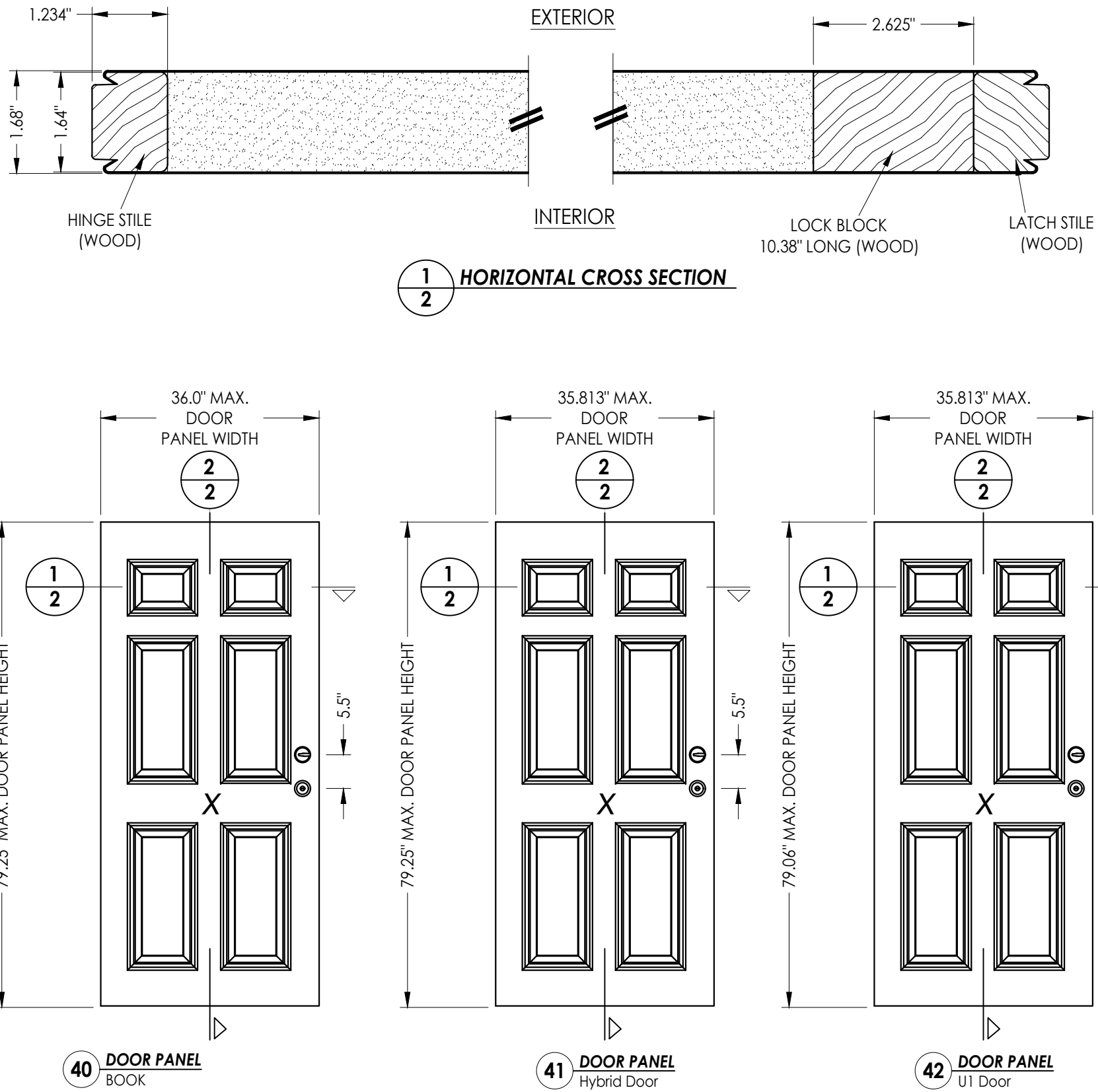




"PROFILES" SERIES DOOR PANEL

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

PRODUCT:

PRODUCT: **THERMA-TRU
STEEL DOOR**

PART OR ASSEMBLY:

"PROFILES"
DOOR PANEL DETAILS

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: 10/11/17

SCALE: *N.T.S.*

DWG. BY: JK

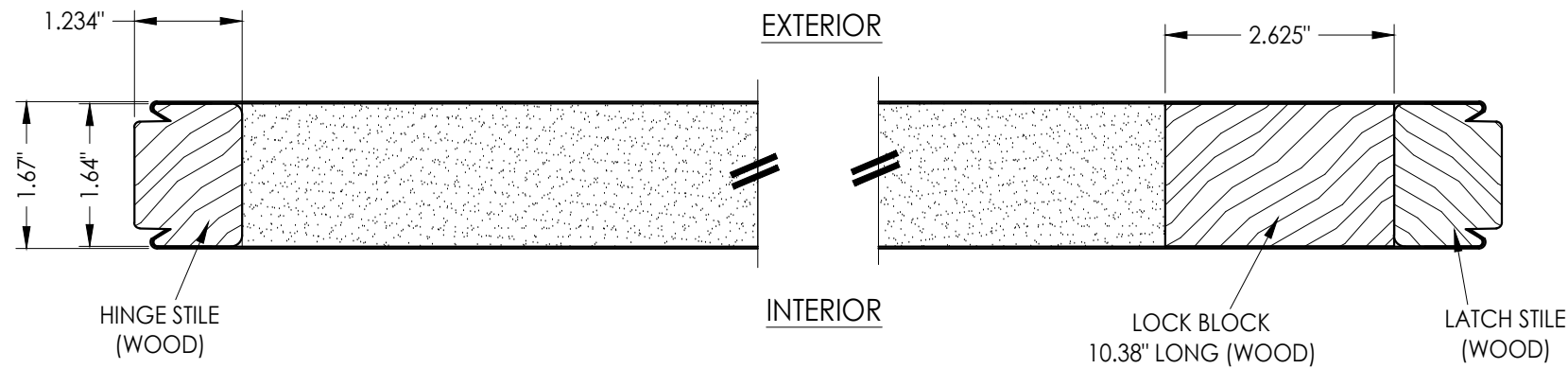
CHK. BY: *LFS*

DRAWING NO.:

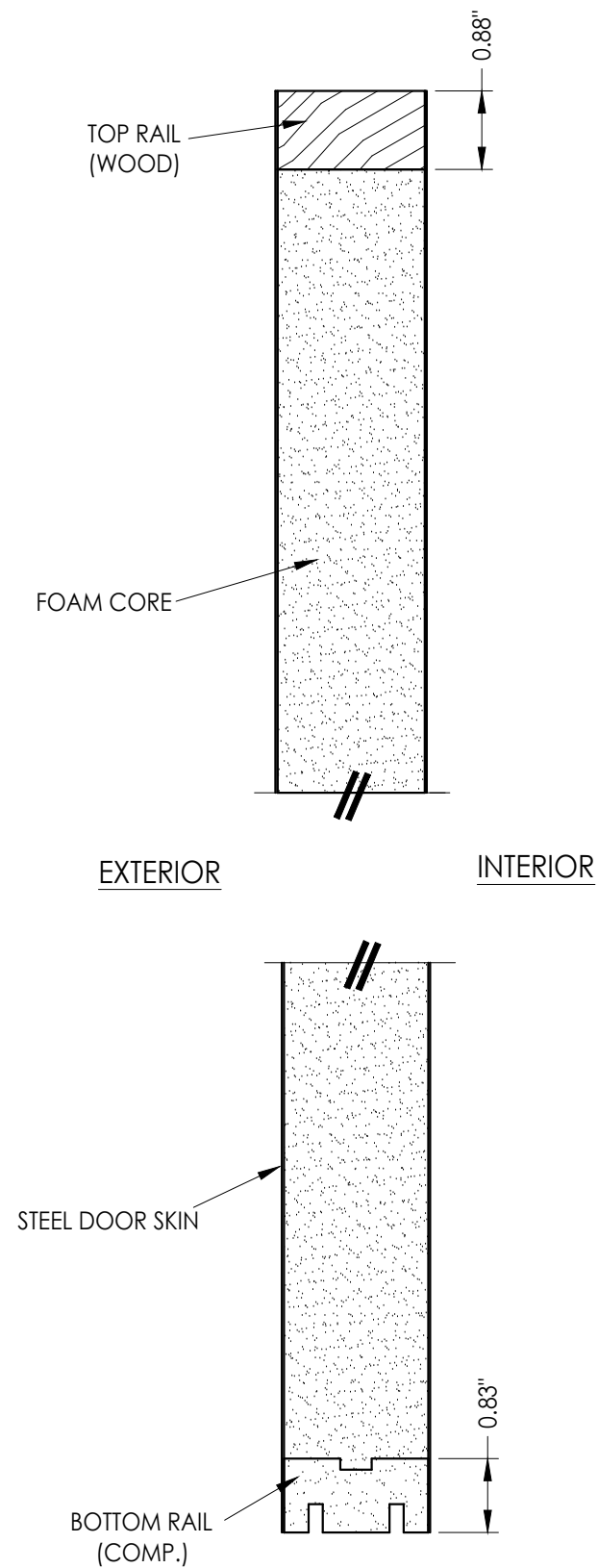
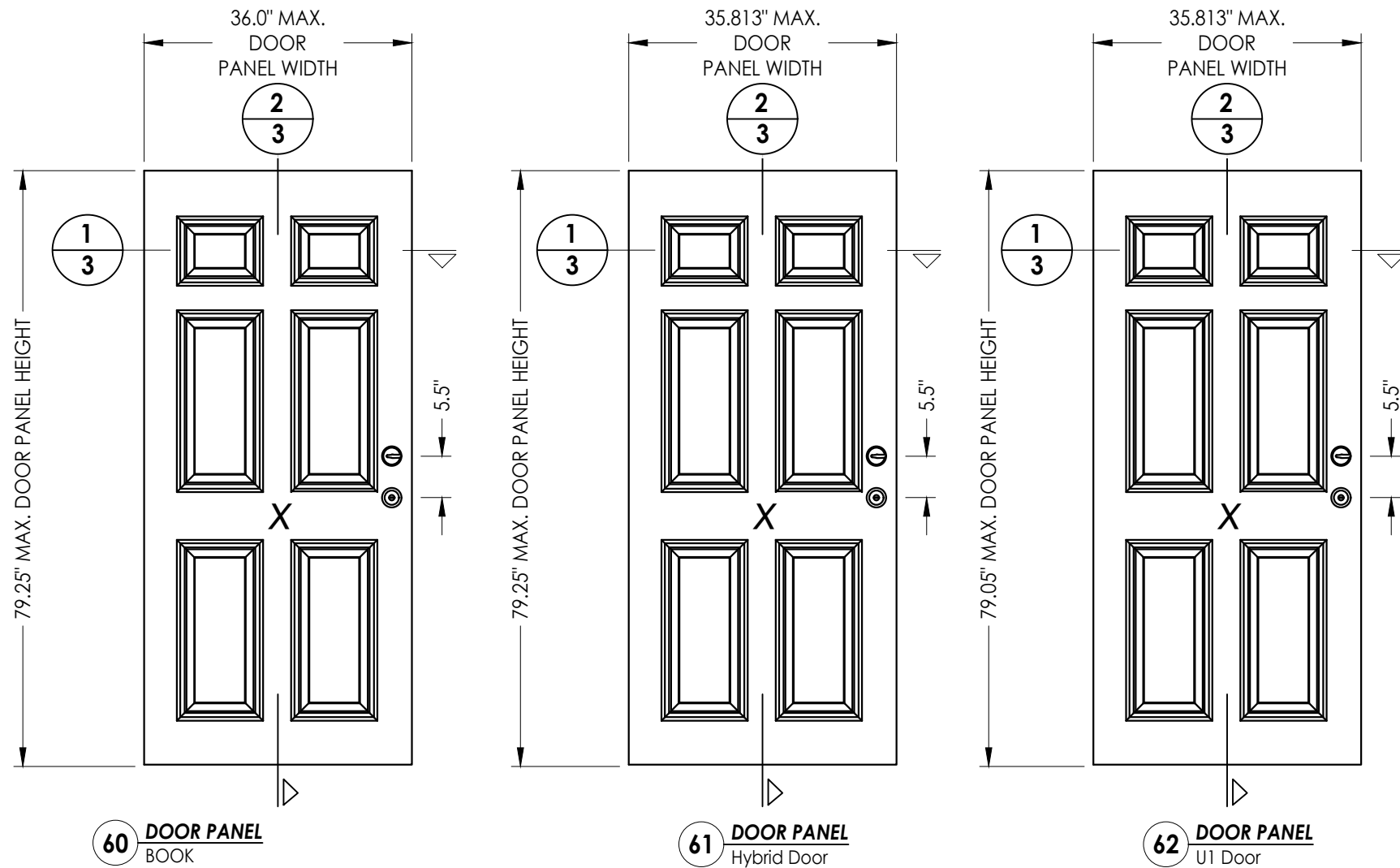
FL-23507.3

SHEET 2 OF 14

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1 **HORIZONTAL CROSS SECTION**
3



2 VERTICAL CROSS SECTION

"TRADITIONS" SERIES DOOR PANEL

STEEL DOOR SKIN: 25 GA. (0.018" MIN. THICKNESS, $F_y = 27,830$ PSI MIN.)

FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)

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

1

PRODUCT: THERMA-TRU STEEL DOOR

FOR ASSEMBLY:

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	P0	
NO.	DATE					
						REVISIONS

DATE: 10/11/17

SCALE: *N.T.S.*

DWG. BY: JK

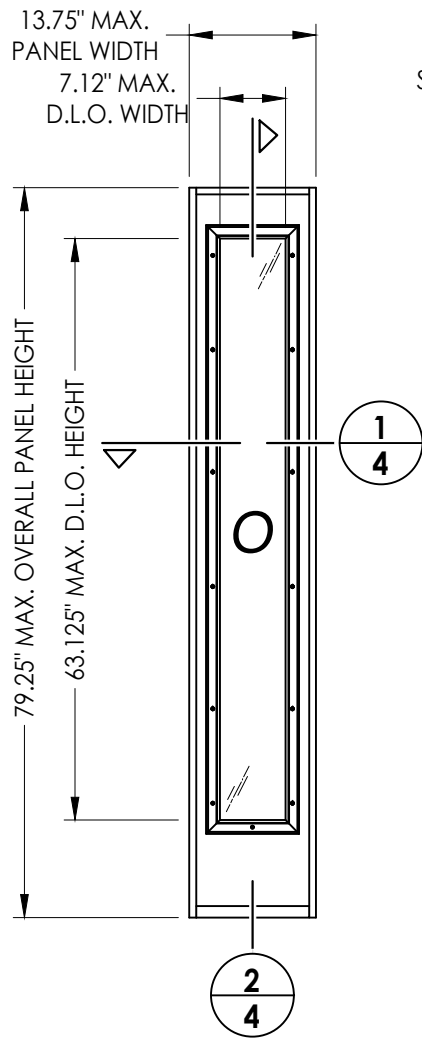
CHK. BY: LFS

DRAWING NO.:

FL-23507.3

SHEET 3 OF 14

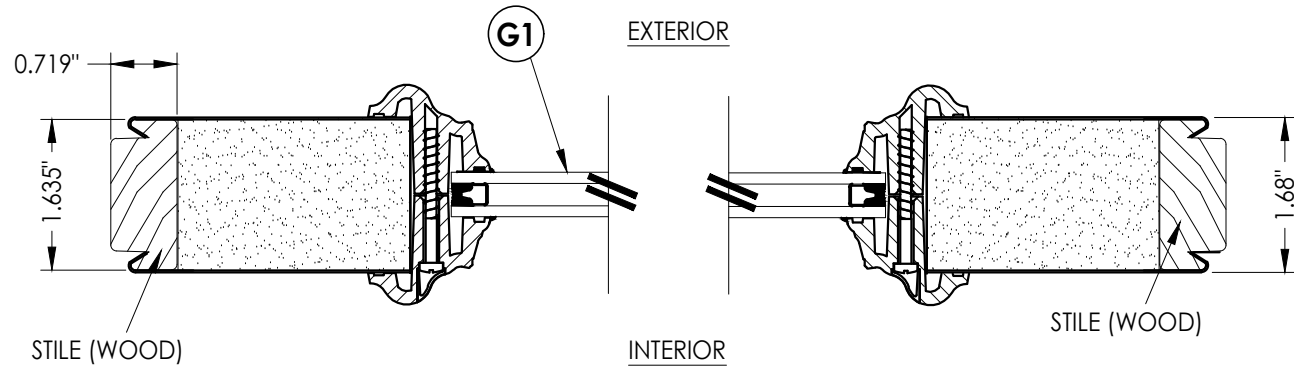
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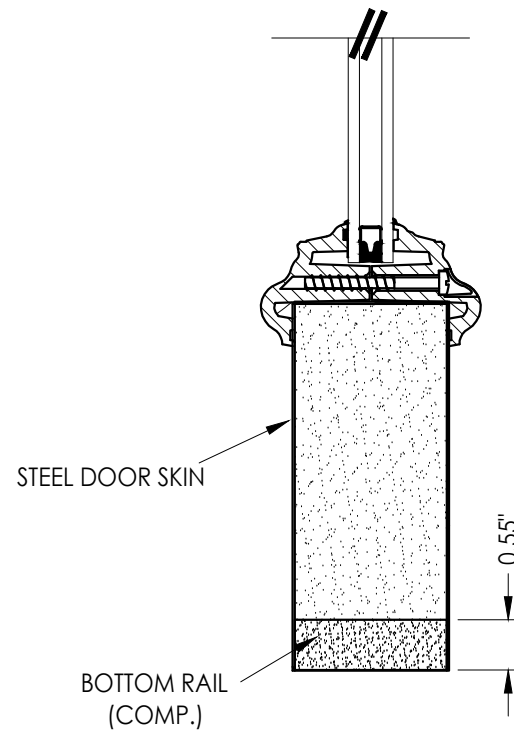
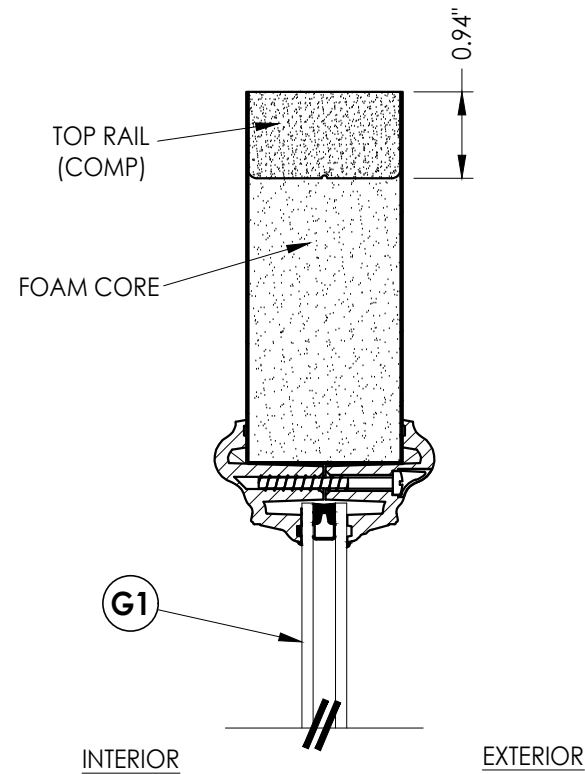
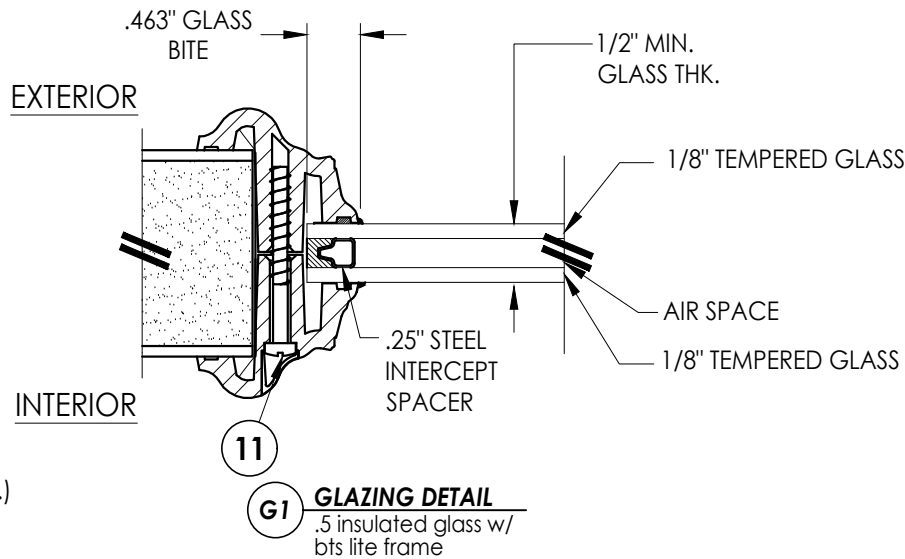
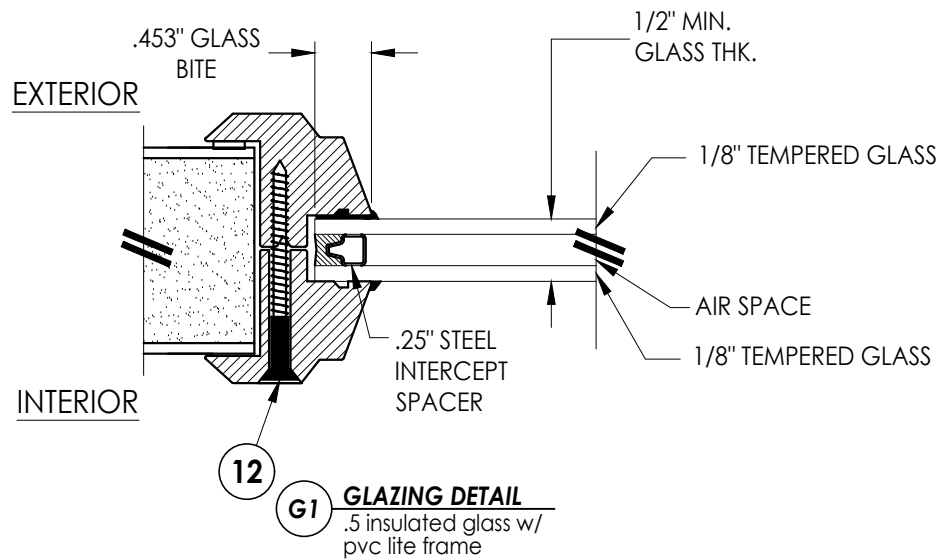
50 SIDELITE PANEL

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)

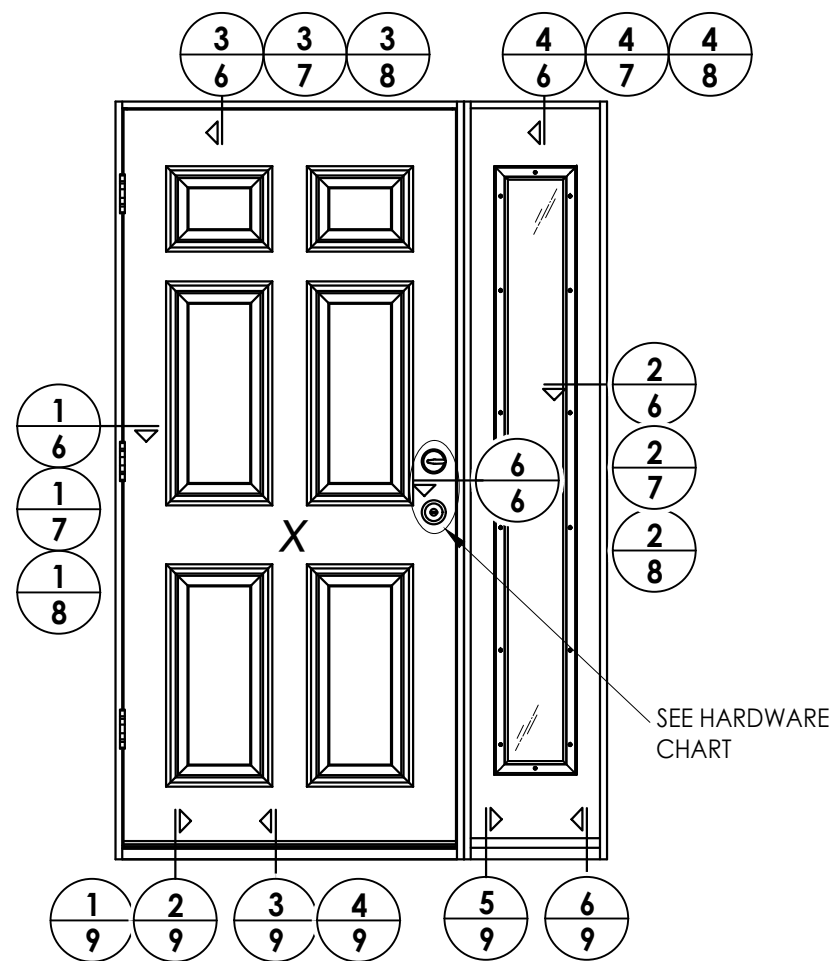


1/4 HORIZONTAL CROSS SECTION

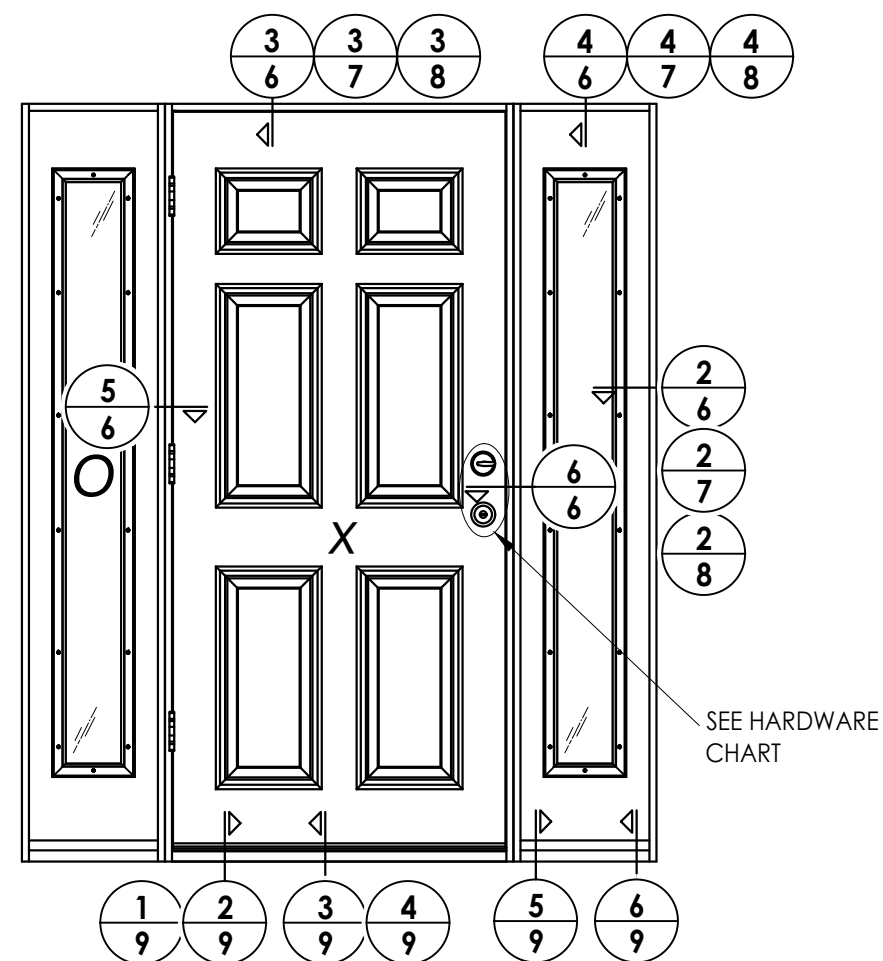


2/4 VERTICAL CROSS SECTION

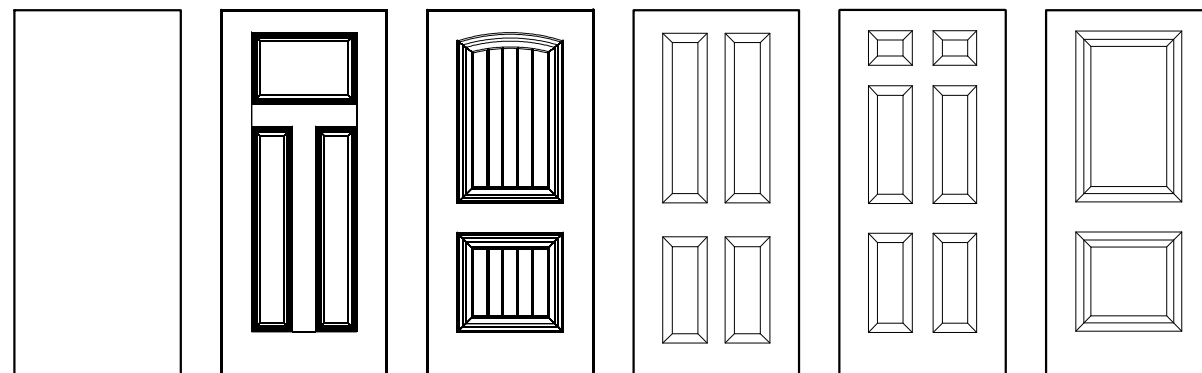
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: THERMA-TRU STEEL DOOR		PART OR ASSEMBLY: SIDELITE PANEL / GLAZING DETAILS	
		LFS	BY
		UPDATE TO 9TH ED. (2026) FBC	
		UPDATE TO 8TH ED. (2023) FBC	
		UPDATE TO 7TH ED. (2020) FBC	
		NO.	DATE
		1	2/23/20
		2	8/17/23
		3	7/02/26
DATE: 10/11/17		REVISIONS	
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-23507.3			
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)

[illegible]

DATE:	10/11/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-23507.3
SHEET	<u>5</u> OF <u>14</u>

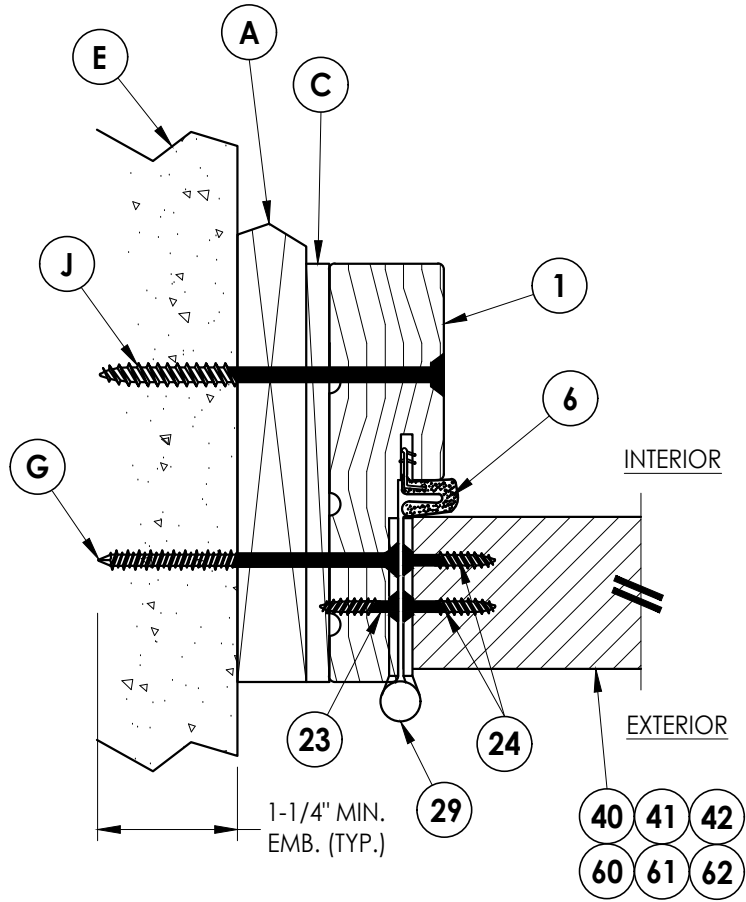
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

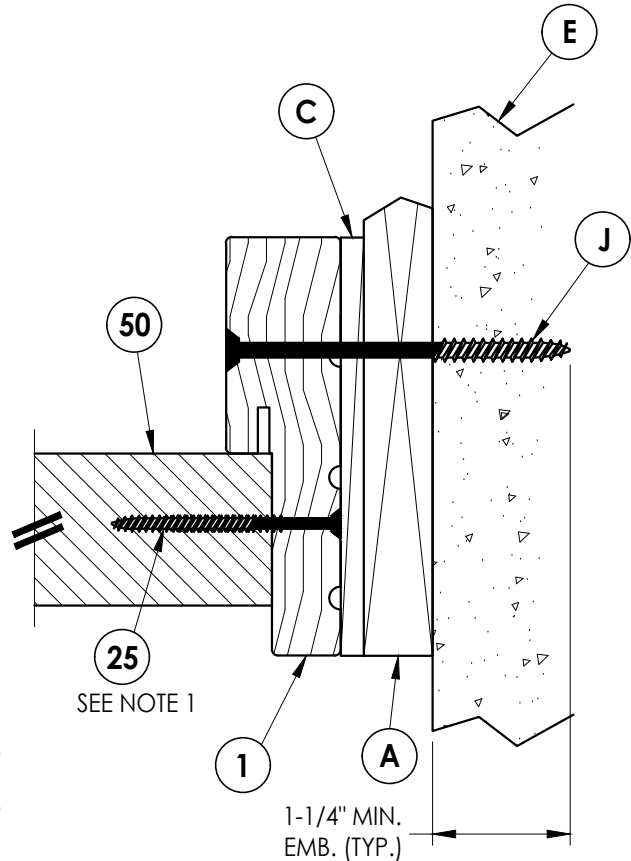
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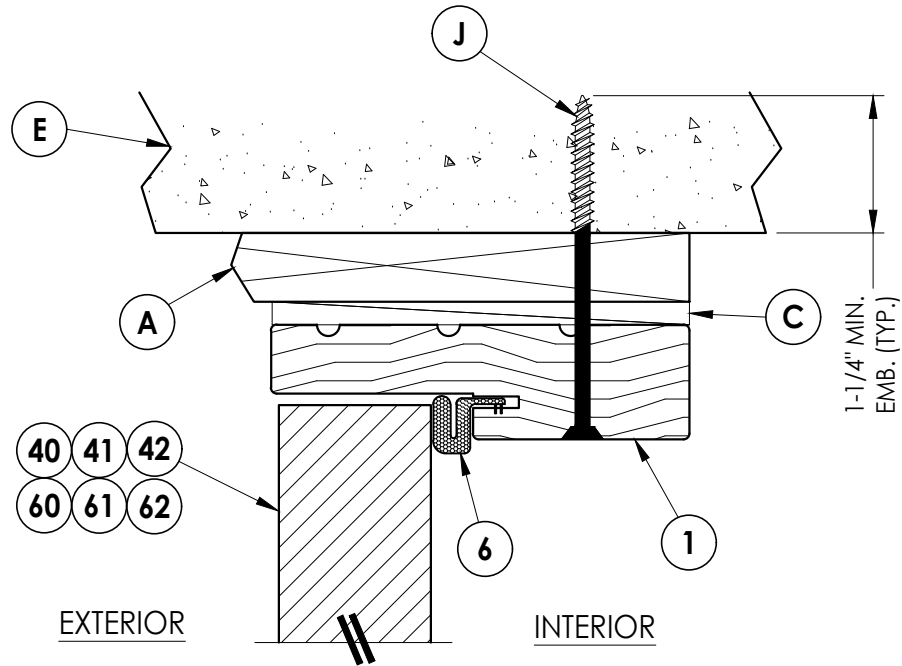
- Notes:
1. Sidelite assembly screws located 8" from top and 8" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
 2. Sidelite assembly screws located 3" from each end (2 screws along head jamb).



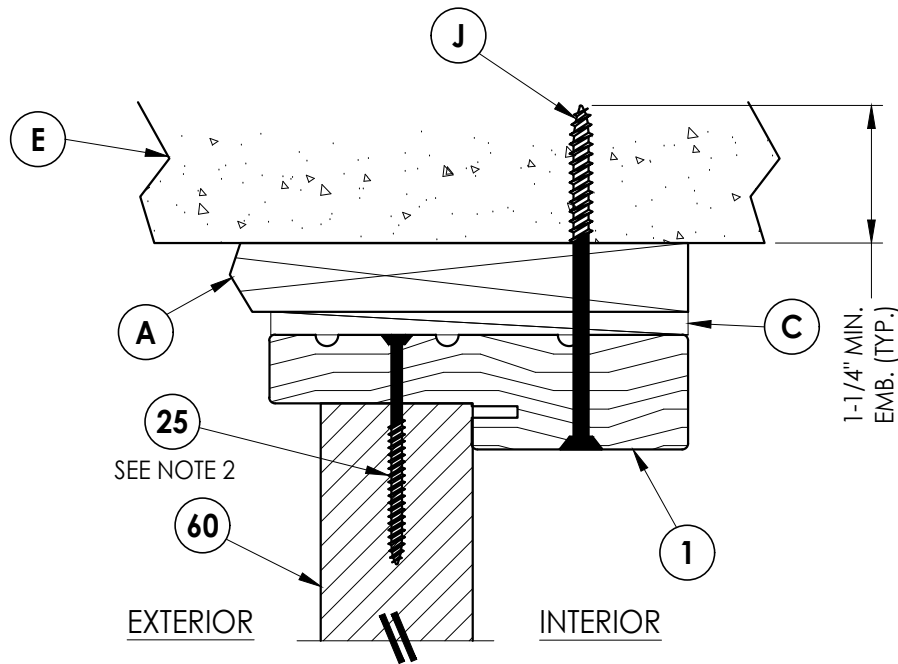
1
7 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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)

NO.	DATE	REVISIONS		
		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: 10/11/17

SCALE: N.T.S.

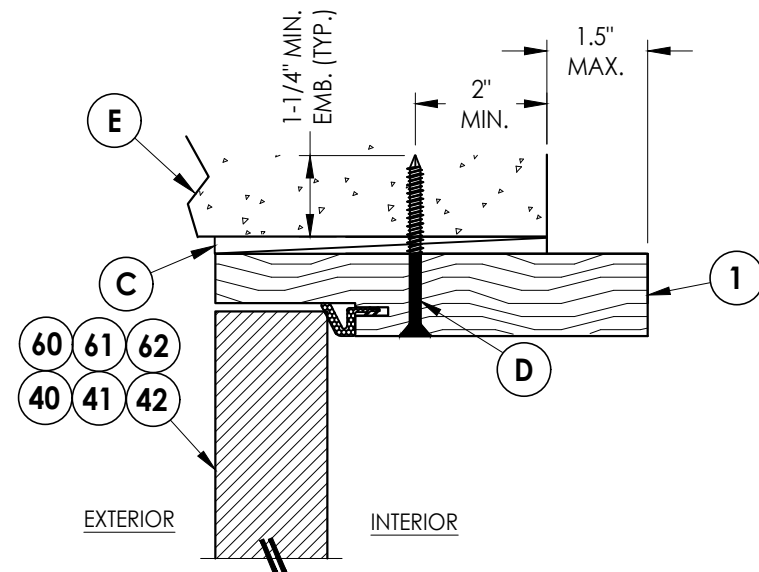
DWG. BY: JK

CHK. BY: LFS

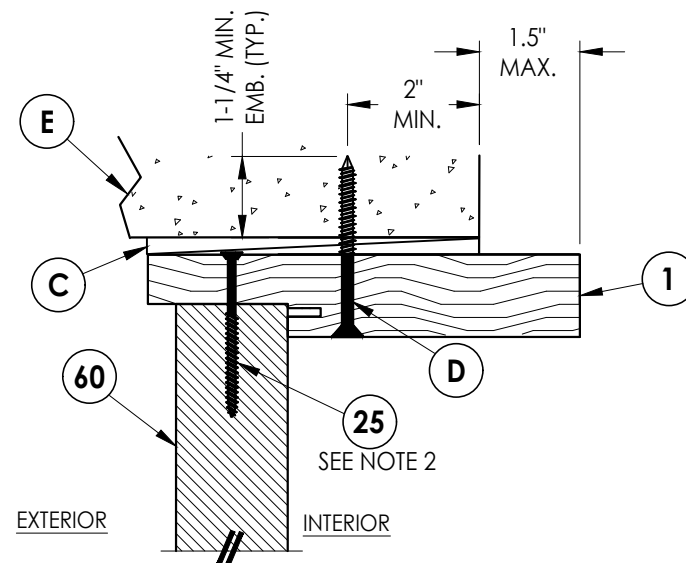
DRAWING NO.:

FL-23507.3

SHEET 7 OF 14



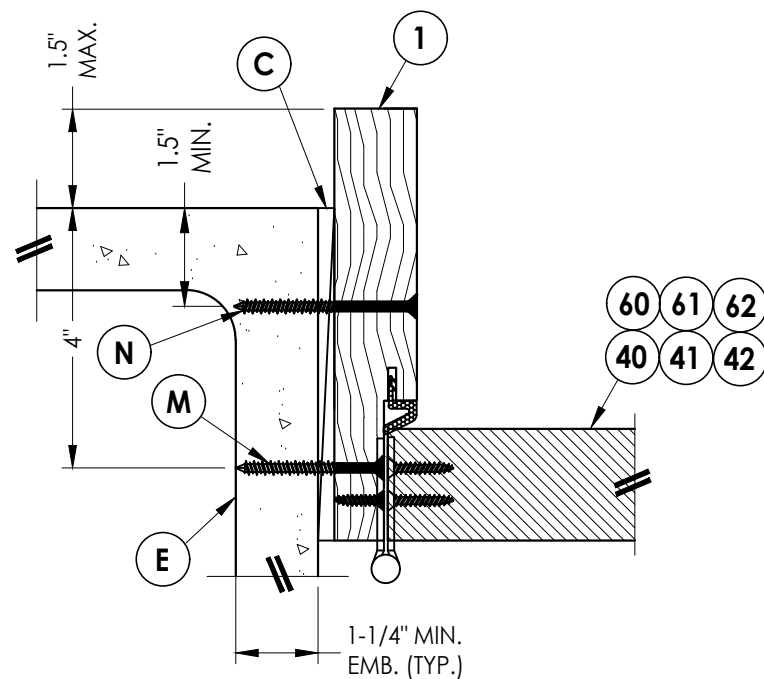
3 **HORIZONTAL CROSS SECTION**
8 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb



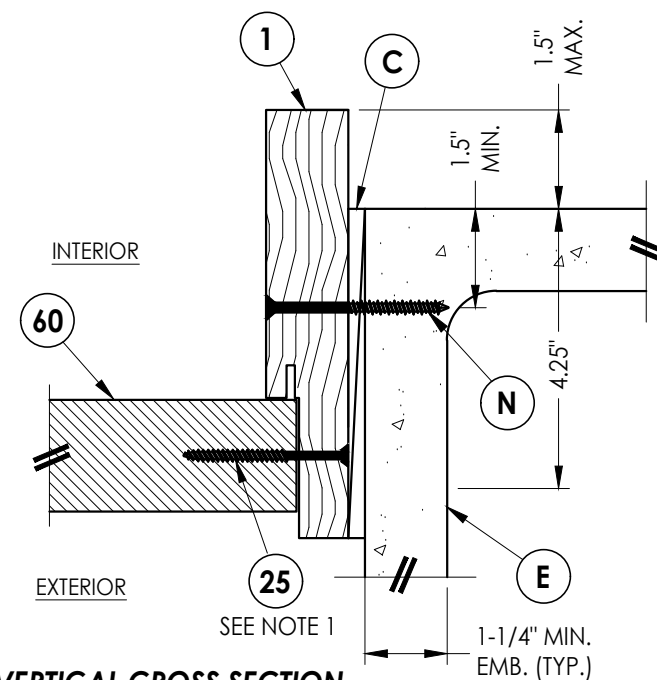
4 **VERTICAL CROSS SECTION**
8 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb

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



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

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

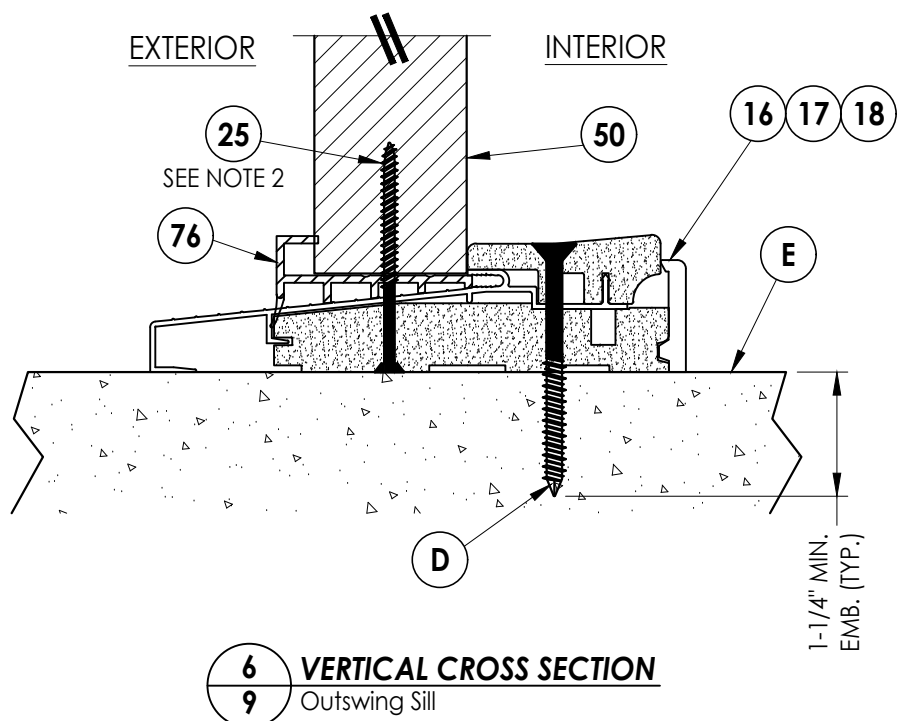
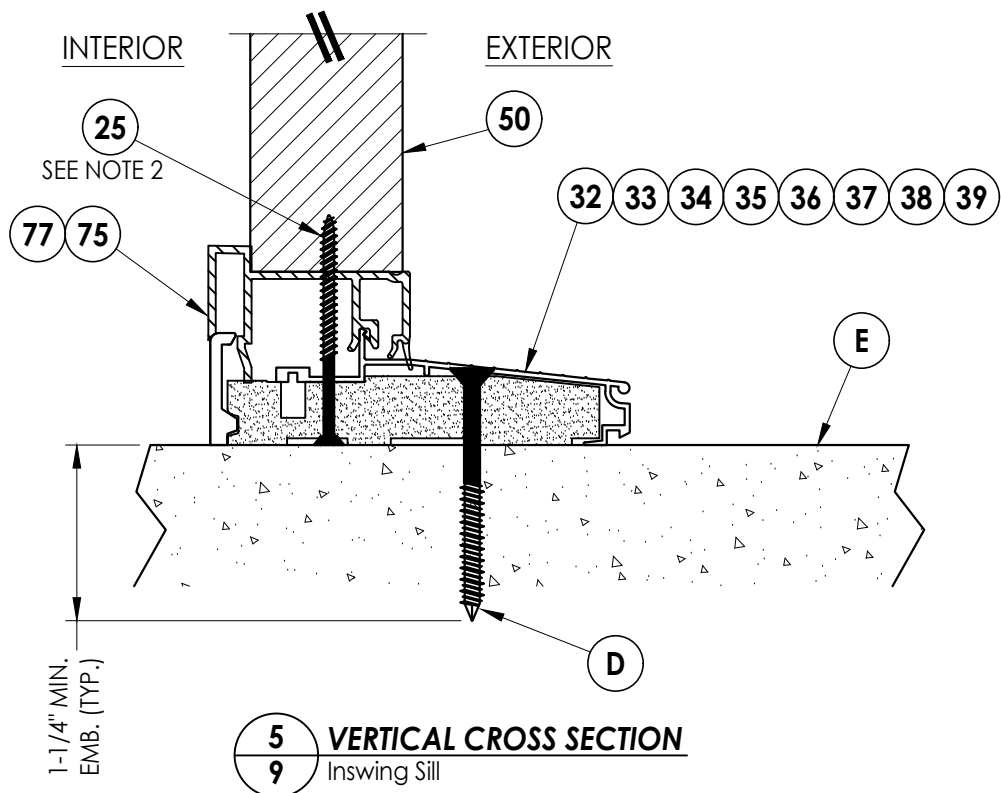
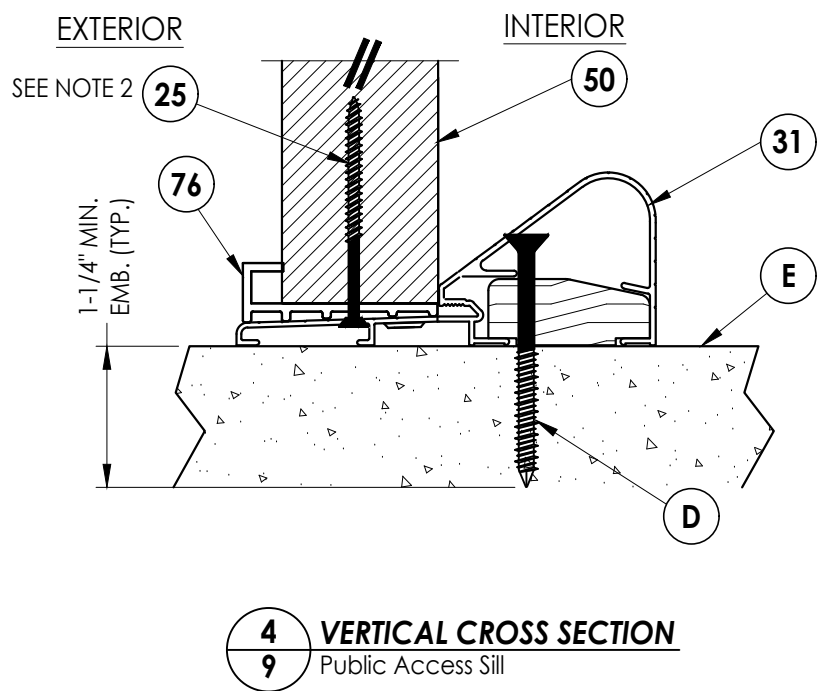
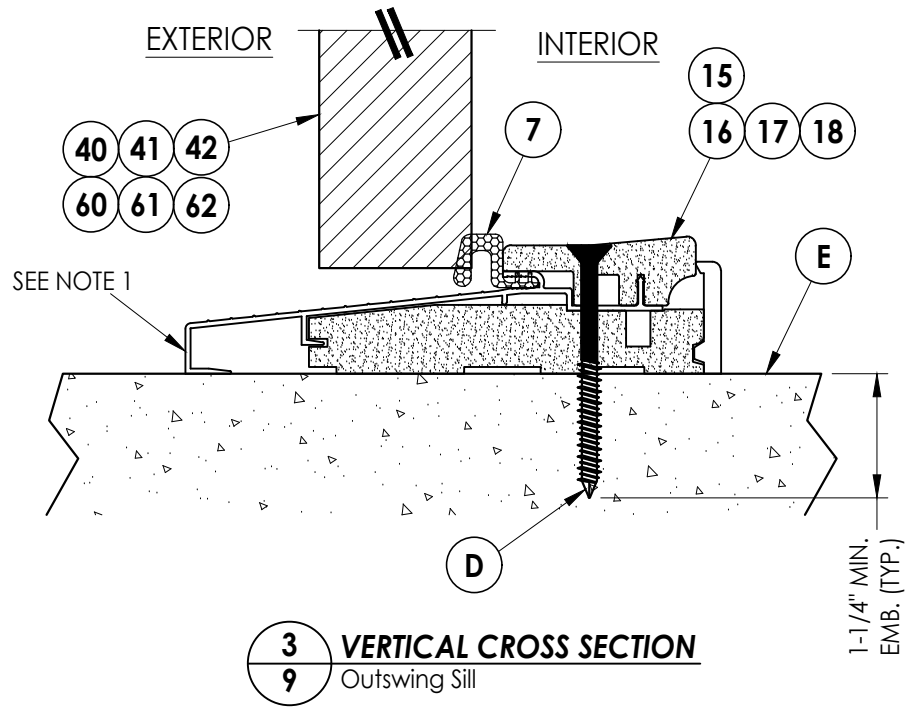
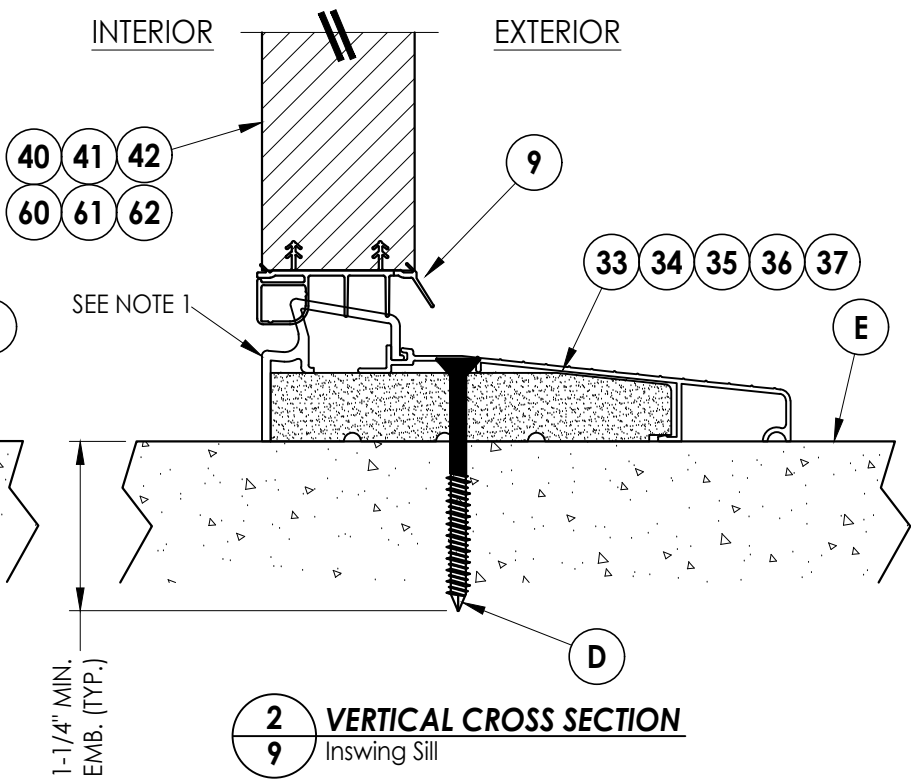
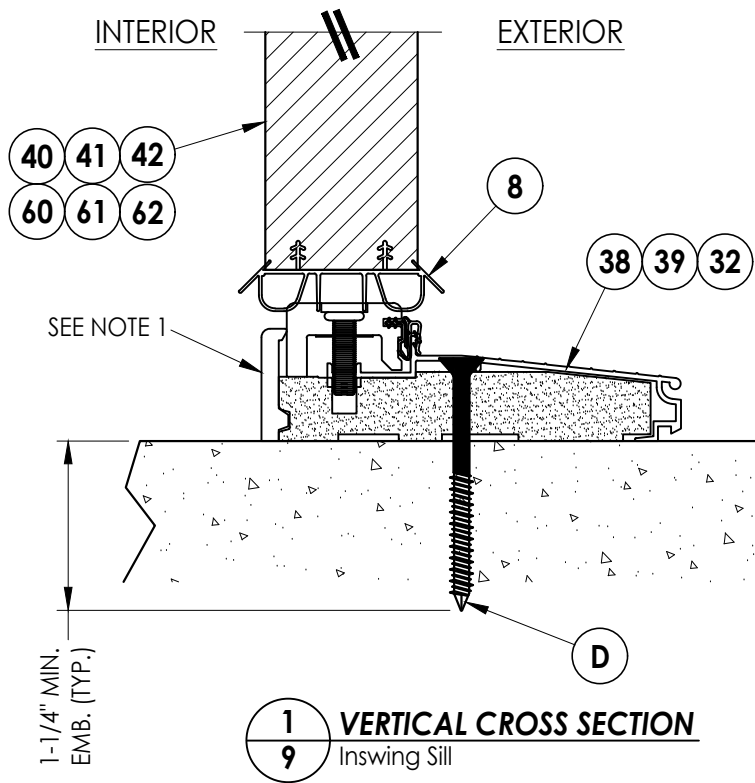
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: THERMA-TRU
STEEL DOOR

PART OR ASSEMBLY:
**HORIZONTAL & VERTICAL
SECTIONS (DIRECT TO MASONRY)**

[illegible]

- Notes:
- 1. Sill Item #'s 17, 18, 32, 34, 35, 36, 37, 38 & 39 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
 - Sill Item #'s 16 & 33 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, Vairico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

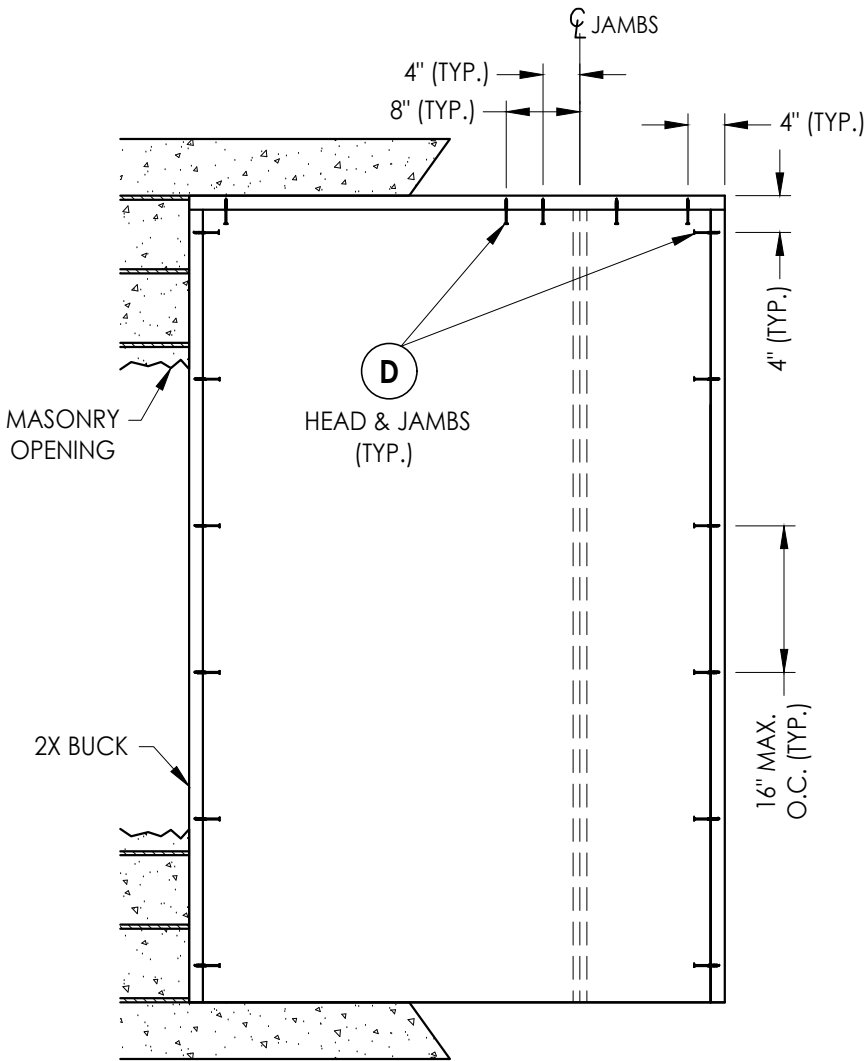
PRODUCT:
THERMA-TRU
STEEL DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

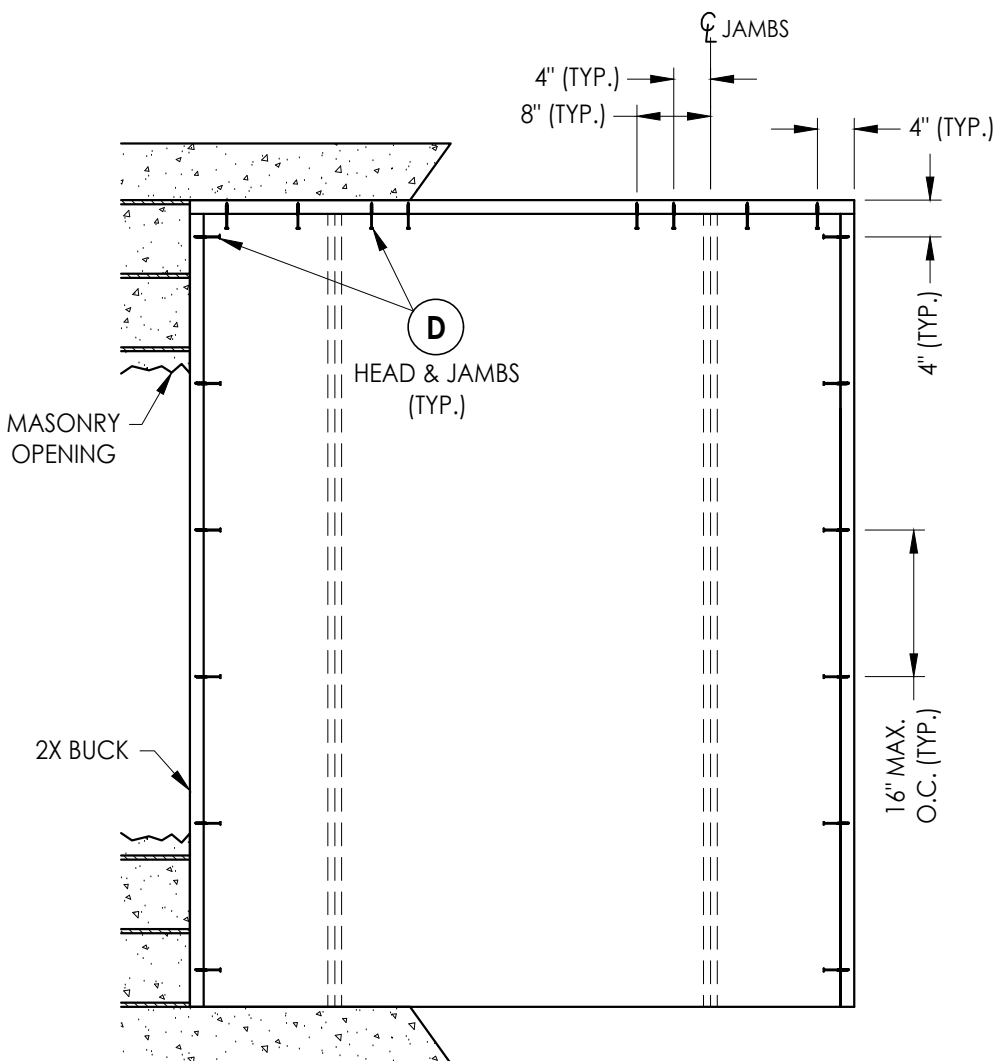
NO.	DATE	REVISIONS		
		BY	PO	LFS
3	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
2	8/17/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	7/15/20	UPDATE TO 7th ED (2020)	FBC	PO

DATE: 10/11/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-23507.3
SHEET 9 OF 14

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XO/OX

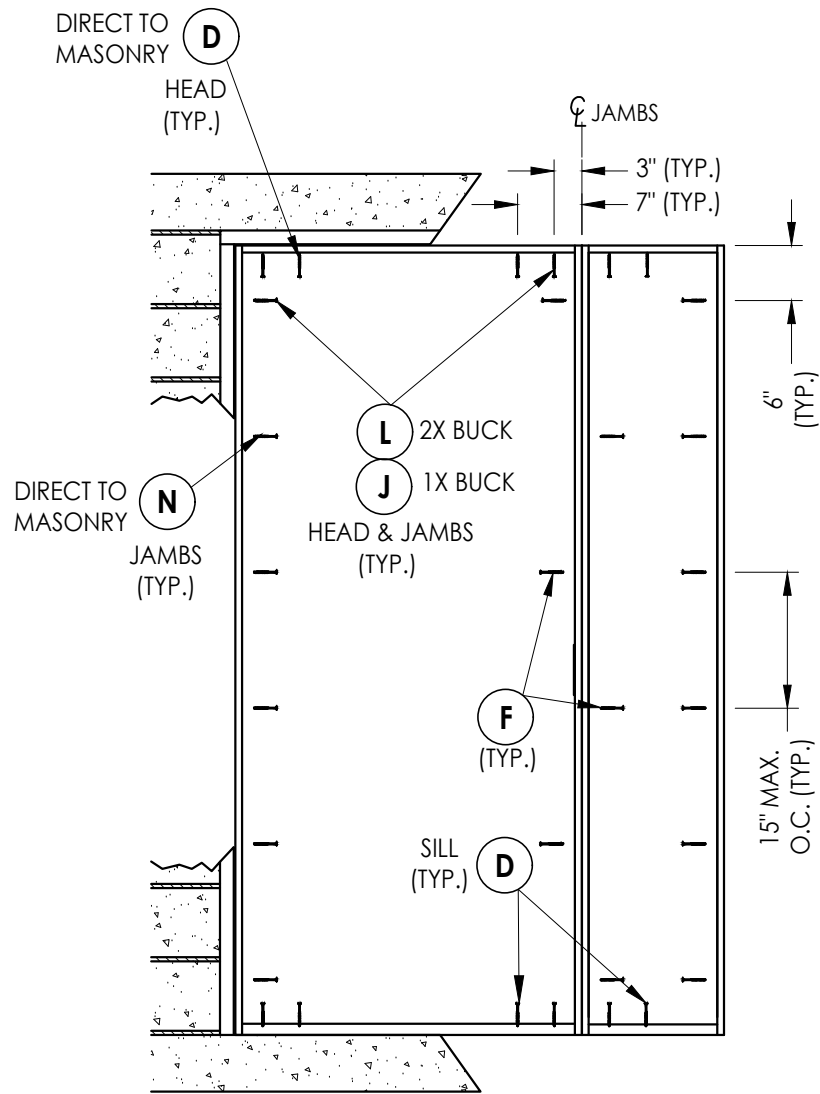


OXO

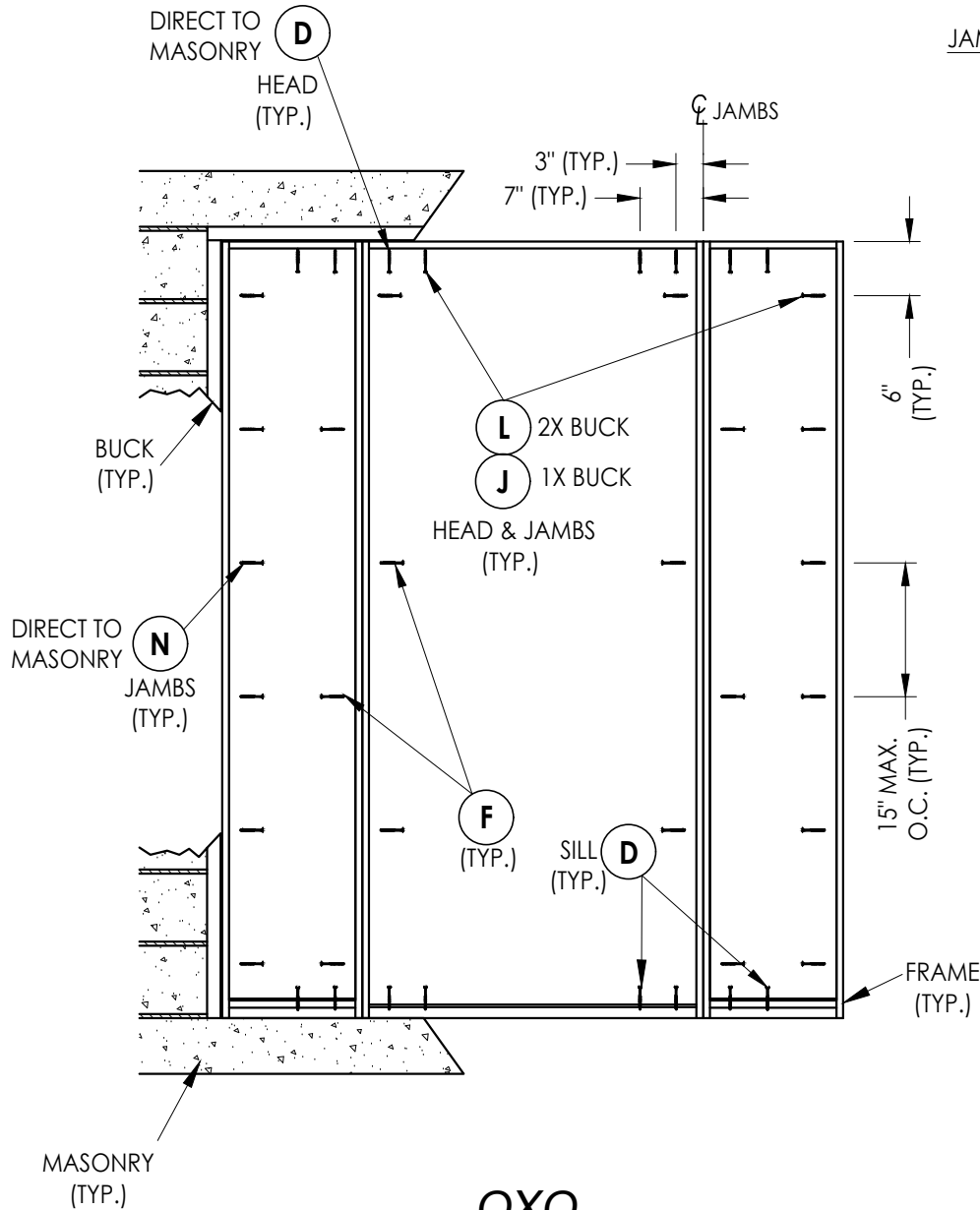
2X BUCK ANCHORING

DATE: 10/11/17			SHEET 10 OF 14		
SCALE: N.T.S.			DRAWING NO.: FL-23507.3		
DWG. BY: JK			CHK. BY: LFS		
NO			BY		
DATE			REVISIONS		
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	
PRODUCT:			PART OR ASSEMBLY:		
THERMA-TRU STEEL DOOR			BUCK ANCHORING		
Documents Prepared By:			BUILDING CONSULTANTS, INC.		
Lyndon F. Schmidt			P.O. Box 230, Valrico, FL 33595		
P.E. No. 43409			Phone No.: 813.659.9197		
			FBPE Registry No. 9813		

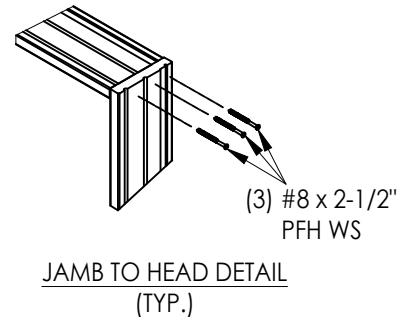
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XO/OX



OXO



FRAME ANCHORING

REVISIONS	
NO.	DATE
3	7/02/26
2	8/17/23
1	7/15/20

DATE:	10/11/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-23507.3
SHEET	11 OF 14

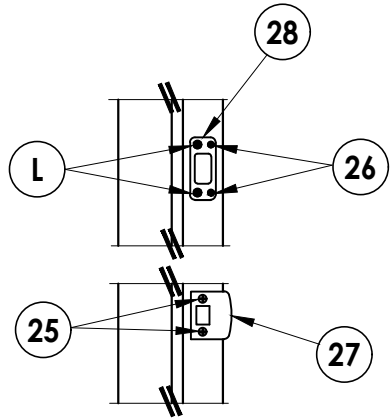
PRODUCT:	THERMA-TRU STEEL DOOR
	FRAME ANCHORING

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

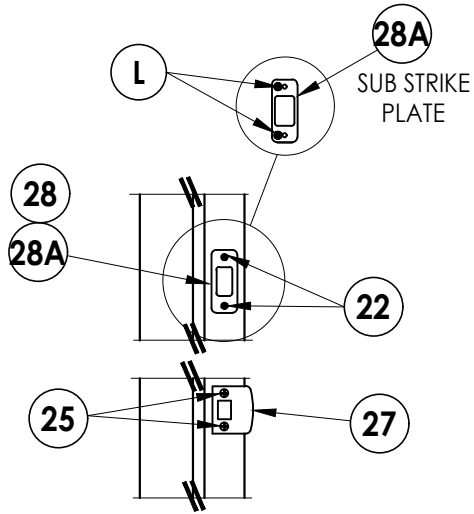
RW

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

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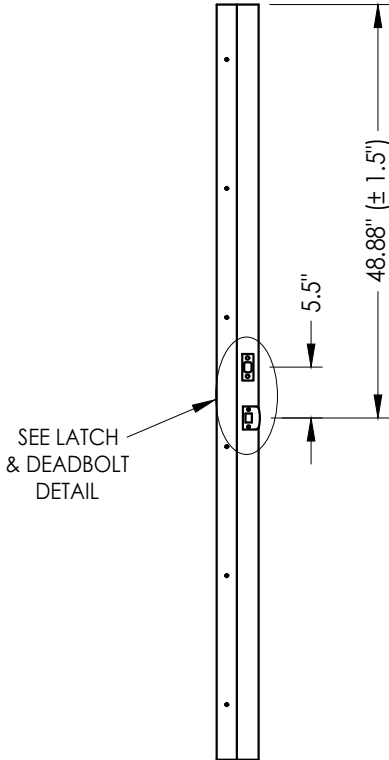


LATCH & DEADBOLT DETAIL
Kwikset

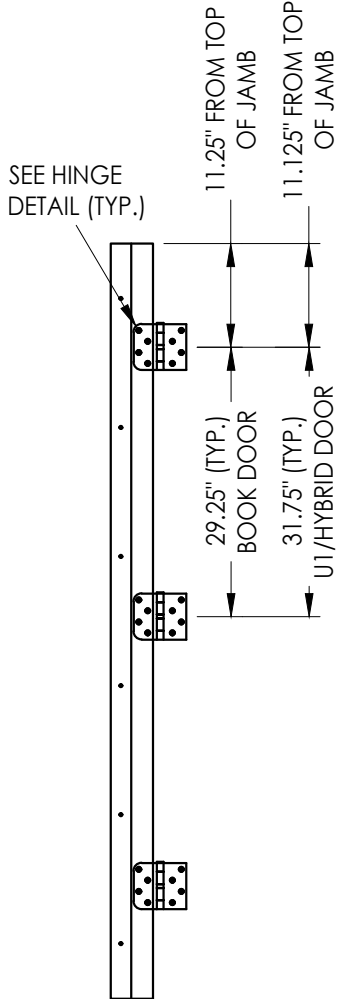


LATCH & DEADBOLT DETAIL
Schlage

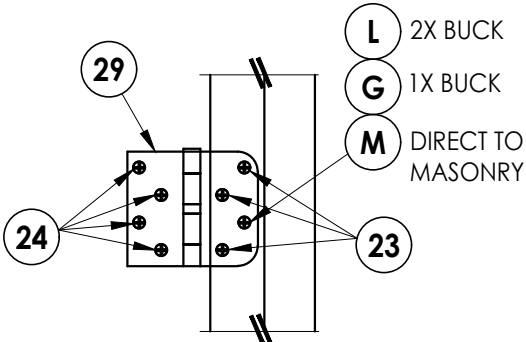
LATCH & DEADBOLT STRIKE DETAILS



STRIKE JAMB
Latch and Deadbolt



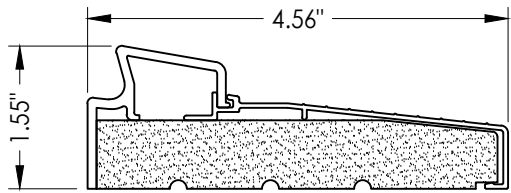
HINGE JAMB



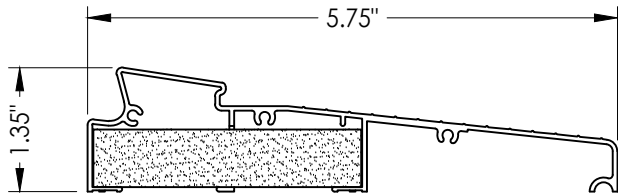
HINGE DETAIL

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				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: HARDWARE DETAILS					
				LFS	FBC	(2026)	9TH ED.
				LFS	FBC	(2023)	8TH ED.
				PO	FBC	(2020)	7th ED.
				BY			
				REVISIONS			
DATE: 10/11/17							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-23507.3							
SHEET 12 of 14							

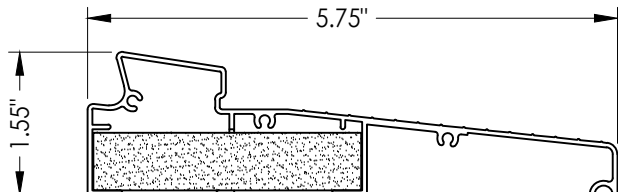
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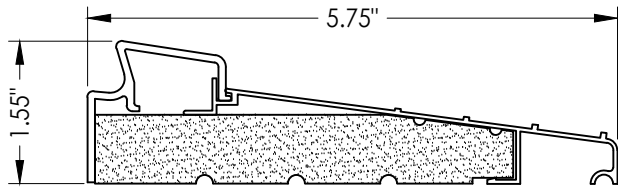
33 INSWING THRESHOLD
Inswing Basic Fixed Sill



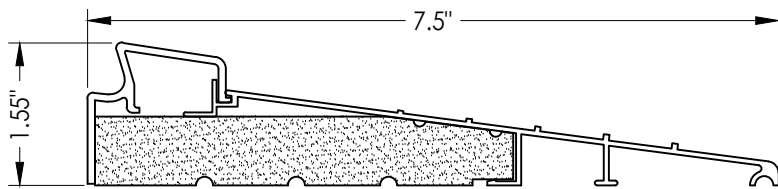
34 INSWING THRESHOLD
Inswing Moderate Climate Sil 1-3/8"



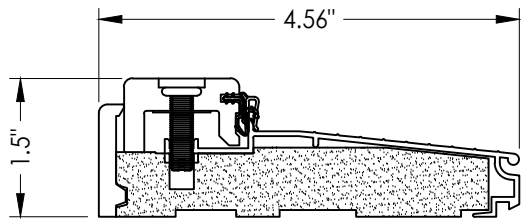
35 INSWING THRESHOLD
Inswing Moderate Climate Sil



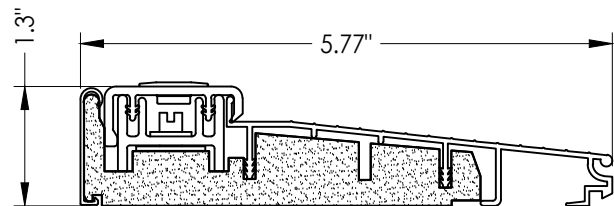
36 INSWING THRESHOLD
Inswing Basic Fixed 5-3/4" Sill



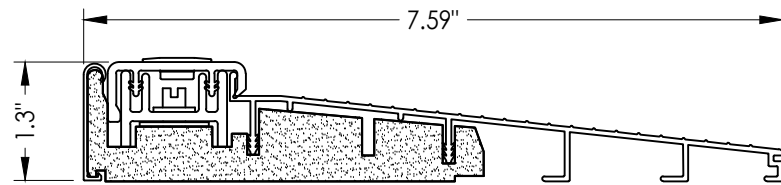
37 INSWING THRESHOLD
Inswing Basic Fixed 7-1/2" Sill



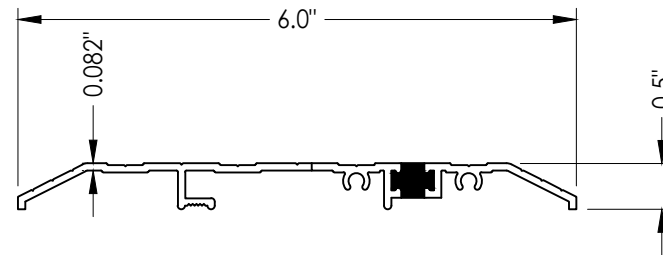
38 INSWING THRESHOLD
Inswing Composite Adjustable Sill



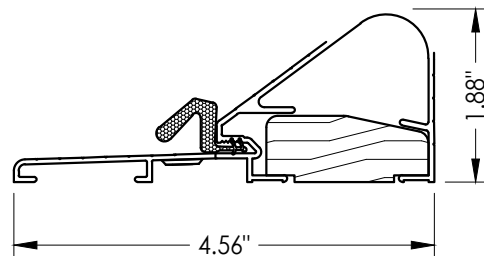
39 INSWING THRESHOLD
Inswing Basic Composite Adjustable Sill



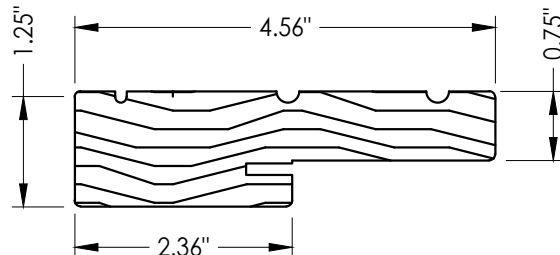
32 INSWING THRESHOLD
Inswing Basic Composite Adjustable Sill 7-1/2"



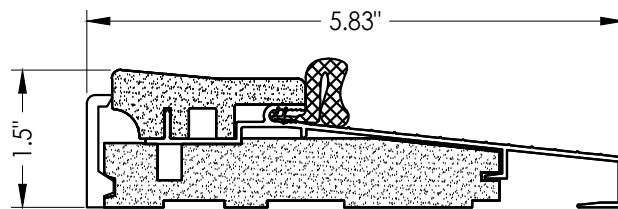
15 PUBLIC ACCESS THRESHOLD



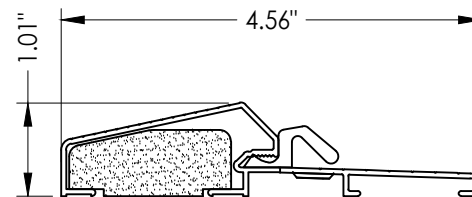
31 OUTSWING
Threshold coastal



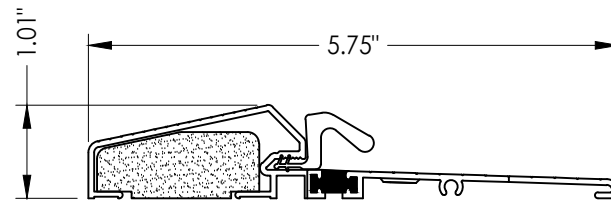
1 WOOD JAMB



16 OUTSWING THRESHOLD *
Composite Sill

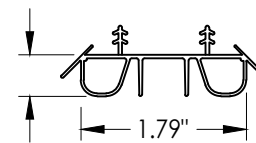


17 OUTSWING THRESHOLD *
Composite / Aluminum Sill

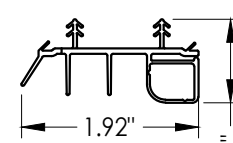


18 OUTSWING THRESHOLD *
Composite / Aluminum Sill
(Thermal Break)

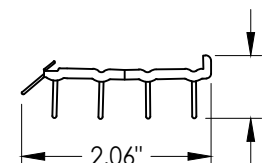
* Max. Positive Design Pressure = +55 PSF
(Where water infiltration is required)



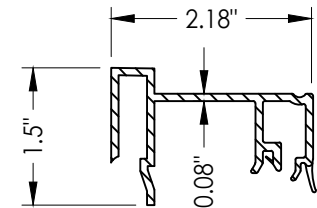
8 SWEEP



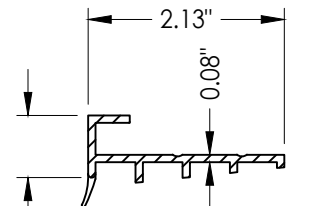
9 SWEEP



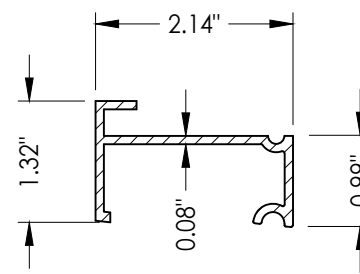
10 SWEEP



75 SIDELITE SPACER
Inswing



76 SIDELITE SPACER
Outswing



77 SIDELITE SPACER
Inswing

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:

COMPONENTS

NO.	DATE	REVISIONS	BY
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: 10/11/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-23507.3
SHEET 13 OF 14

G:\2023 FBC DRAWINGS 7-27-26\Therma-Tru\FL-23507 R3\FL-23507.1-5.dwg

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	31	OUTSWING THRESHOLD	ALUM/COMP
G	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL	32	INSWING THRESHOLD	ALUM/COMP
I	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	33	INSWING THRESHOLD	ALUM/COMP
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	34	INSWING THRESHOLD	ALUM/COMP
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL	35	INSWING THRESHOLD	ALUM/COMP
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL	36	INSWING THRESHOLD	ALUM/COMP
1	JAMB (FINGER JOINT PINE)	WOOD	37	INSWING THRESHOLD	ALUM/COMP
6	WEATHERSTRIP (MEDIUM REACH)	FOAM	38	INSWING THRESHOLD	ALUM/COMP
7	WEATHERSTRIP (LONG REACH)	FOAM	39	INSWING THRESHOLD	ALUM/COMP
8	SWEEP	VINYL	40	DOOR PANEL (BOOK) - "PROFILES" SERIES	-
9	SWEEP (USE w/ MODERATE CLIMATE THRESHOLD)	VINYL	41	DOOR PANEL (HYBRID) - "PROFILES" SERIES	-
10	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL	42	DOOR PANEL (U1) - "PROFILES" SERIES	-
11	#8-10 X 1-1/2" PLASCREW	STEEL	50	SIDELITE (FULL LITE)	-
12	#6-18 X 1-3/4" PFH SCREW	STEEL	60	DOOR PANEL (BOOK) - "TRADITIONS" SERIES	-
15	PUBLIC ACCESS THRESHOLD	ALUM	61	DOOR PANEL (HYBRID) - "TRADITIONS" SERIES	-
16	OUTSWING THRESHOLD	ALUM/COMP	62	DOOR PANEL (U1) - "TRADITIONS" SERIES	-
17	OUTSWING THRESHOLD	ALUM/COMP	75	SIDELITE SPACER (INSWING)	PVC
18	OUTSWING THRESHOLD	ALUM/COMP	76	SIDELITE SPACER (OUTSWING)	PVC
22	#8 x 3/4" PFH WOOD SCREW	STEEL	77	SIDELITE SPACER (INSWING) - MODERATE CLIMATE SILL	PVC
23	#10 x 3/4" PFH WOOD SCREW	STEEL			
24	#10 x 1" PFH WOOD SCREW	STEEL			

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.

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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SHEET 14 OF 14