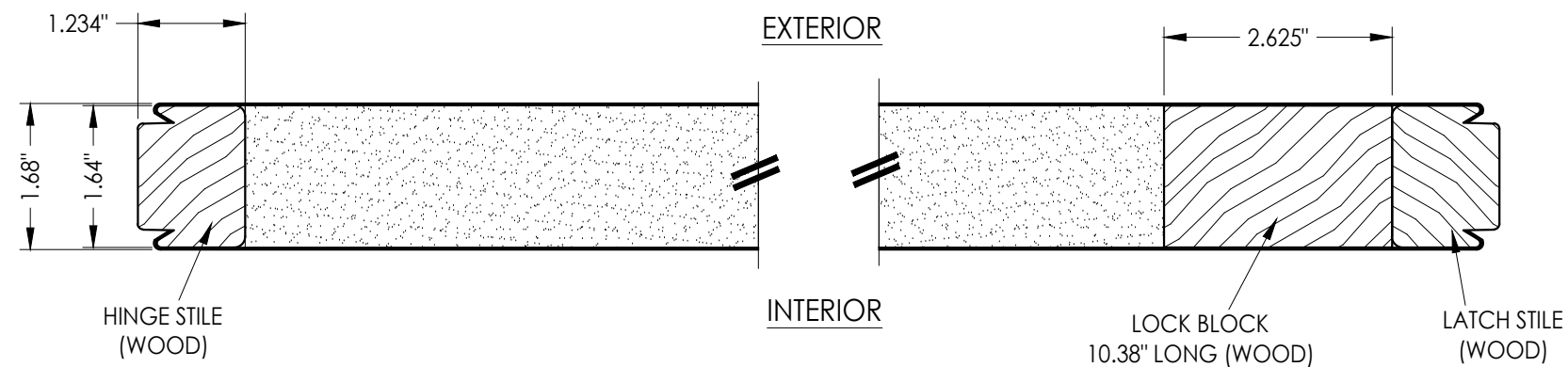
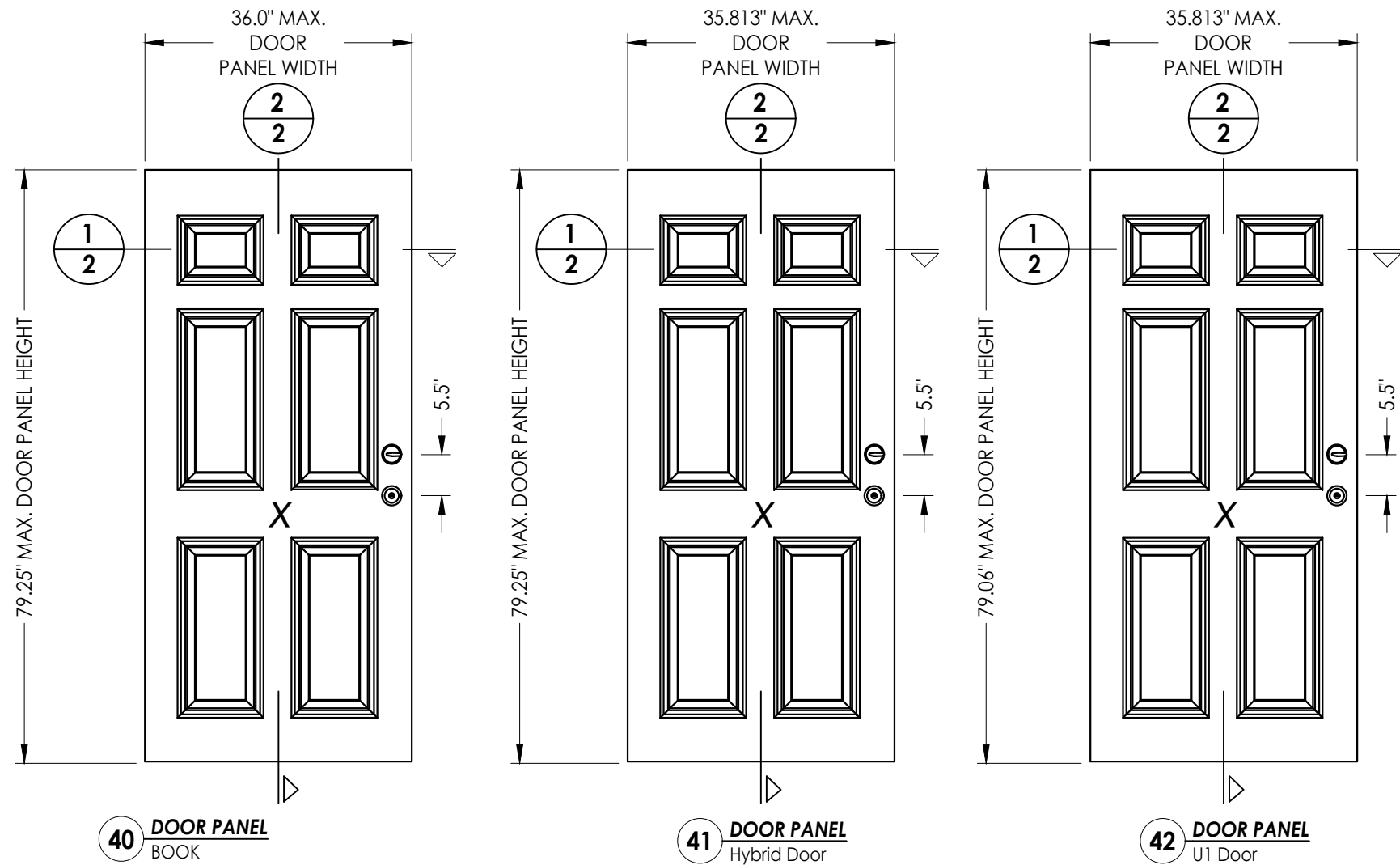


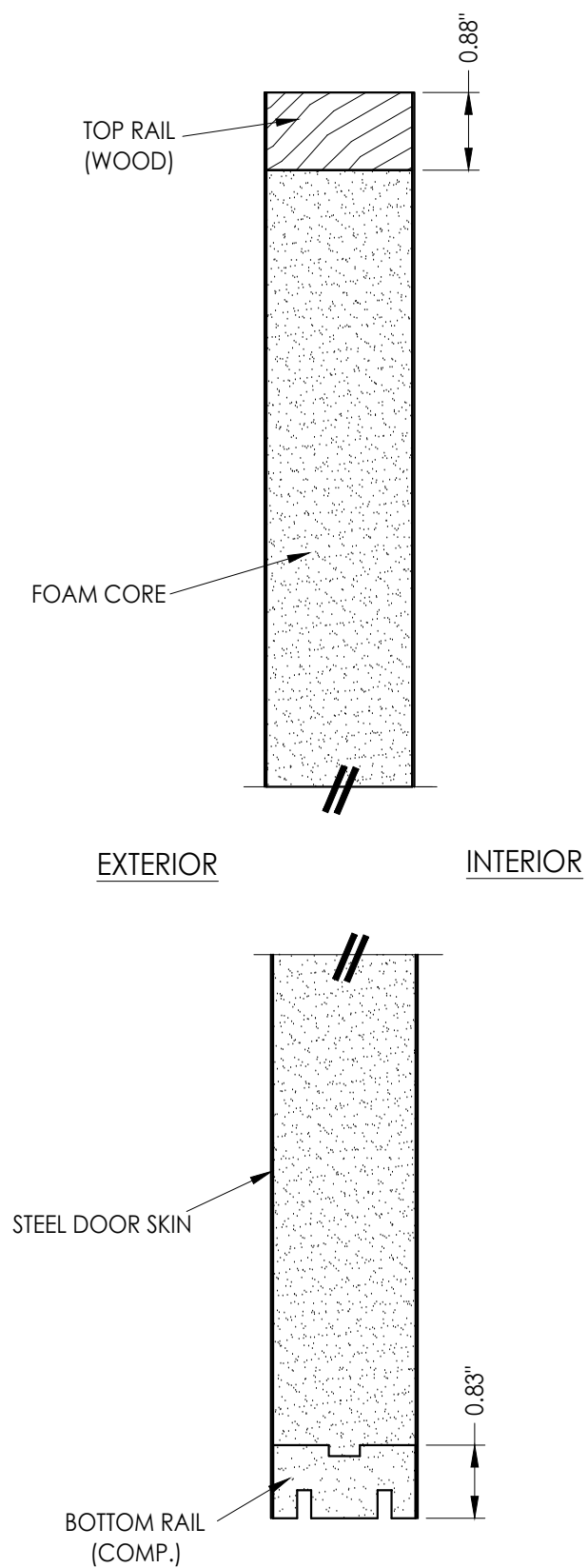


1 HORIZONTAL CROSS SECTION



"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.)



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	7/20/20	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-21132.2
SHEET	<u>2</u> OF <u>17</u>

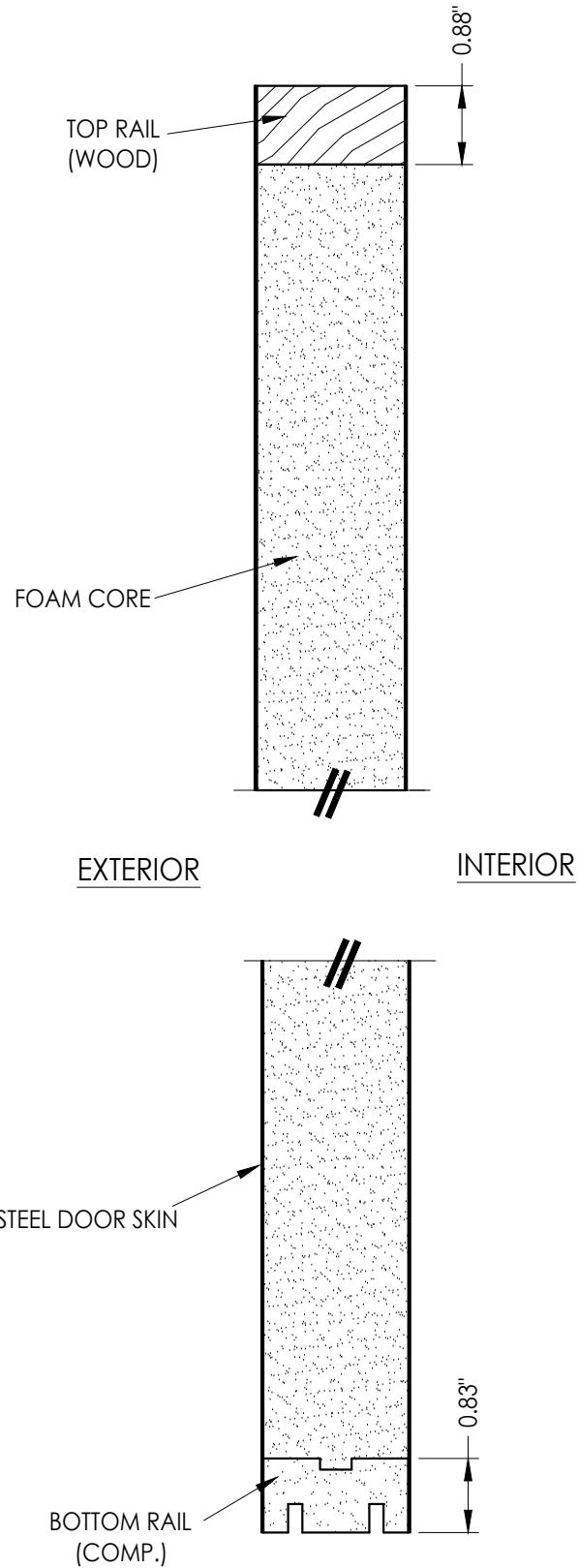
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

© 2017 R.W. BUILDING CONSULTANTS INC.

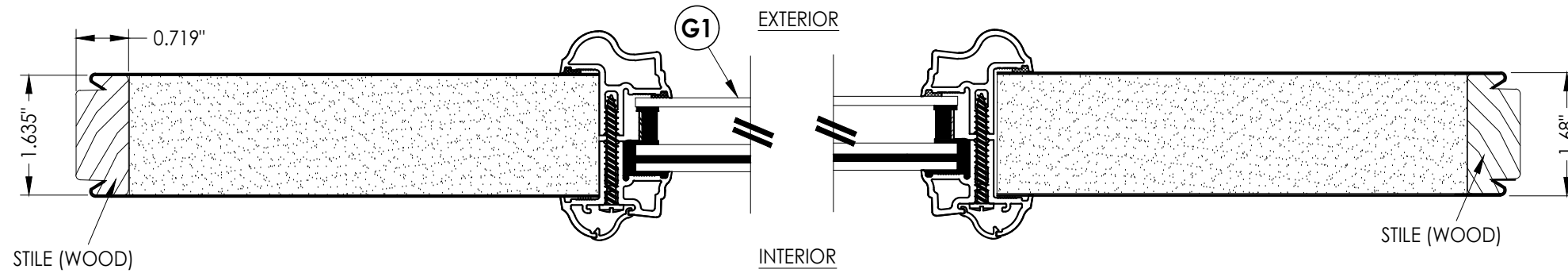
"TRADITIONS" SERIES DOOR PANEL

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

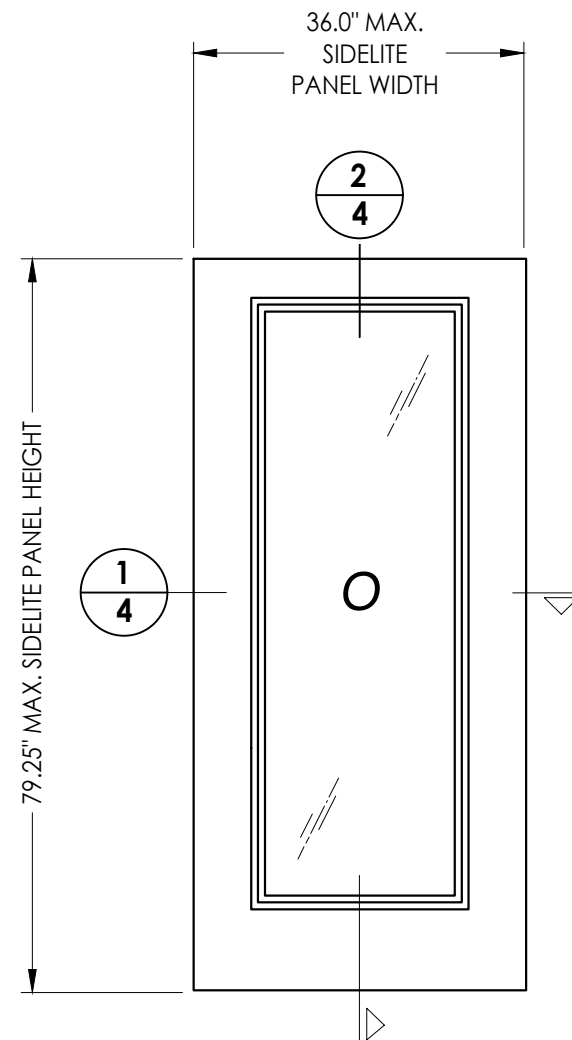


2 VERTICAL CROSS SECTION

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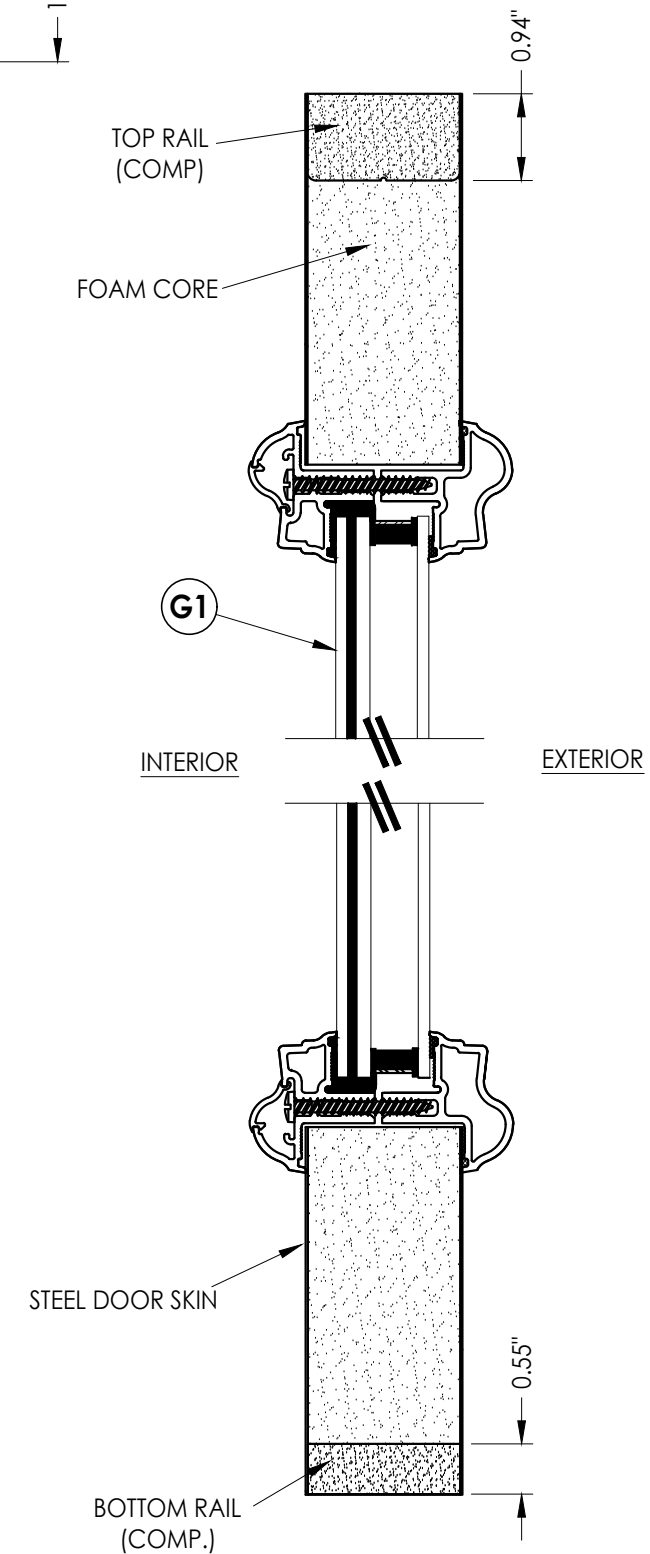
1 **HORIZONTAL CROSS SECTION**



50 SIDELITE PANEL

SIDELITE PANEL

STEEL SKIN "PROFILES": 24 GA. (0.022" MIN. THICKNESS, $F_y = 48,470$ PSI MIN.)
STEEL SKIN "TRADITIONS": 25 GA. (0.018" MIN. THICKNESS, $F_y = 27,830$ PSI MIN.)
FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)

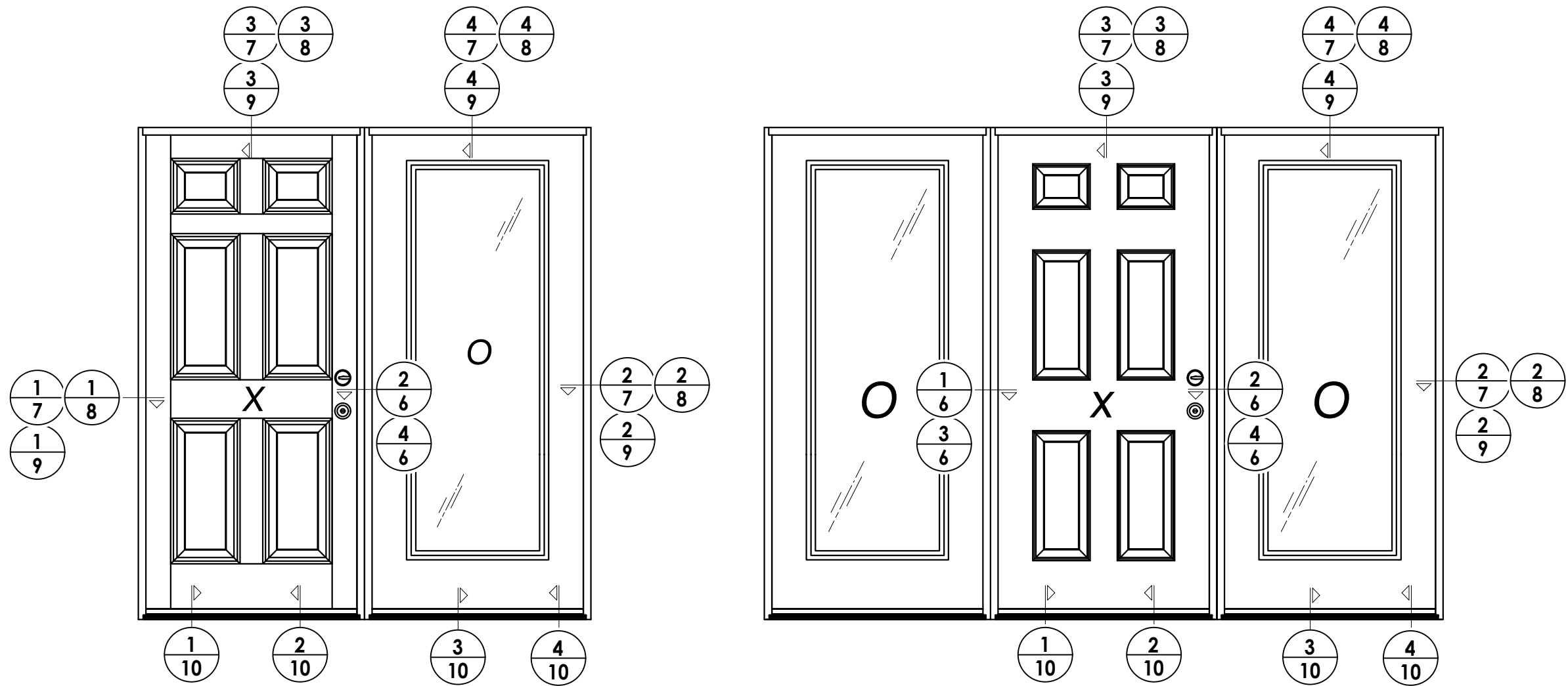


2 4 VERTICAL CROSS SECTION

[illegible]

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	7/20/20	UPDATE TO 7th ED	(2020)	FBC	LFS
NO.	DATE				BY
					REVISIONS

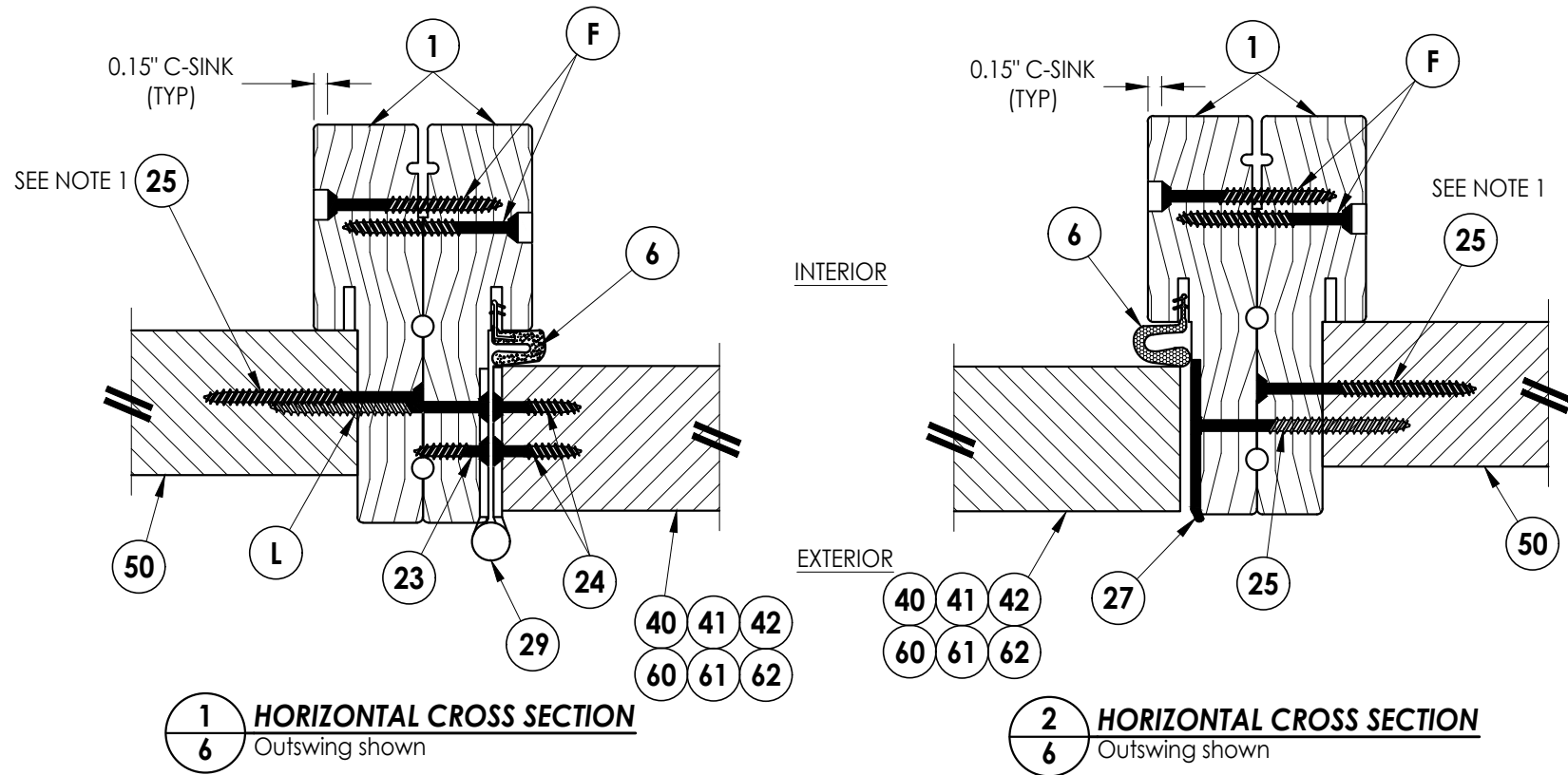
SHEET 5 OF 17

ELEVATIONS

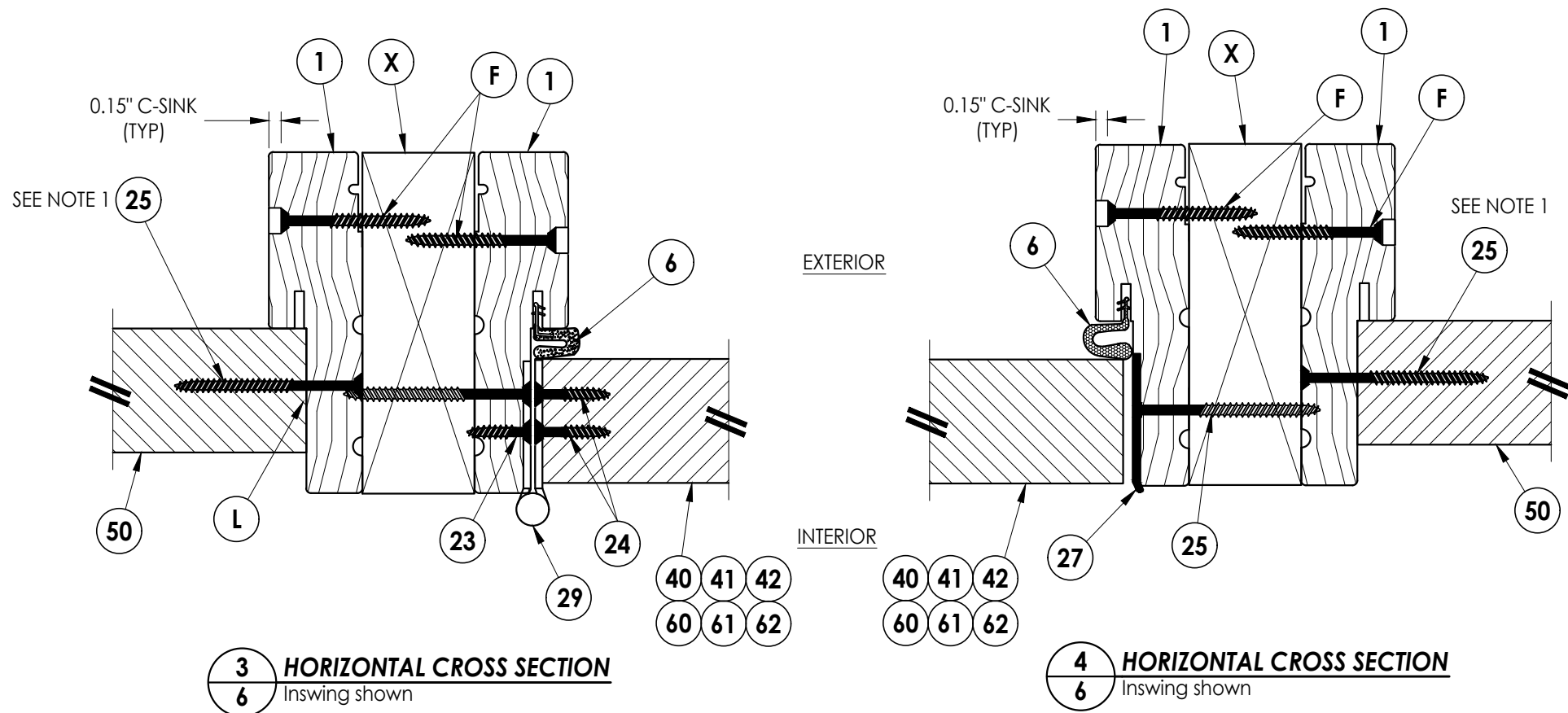
RN

FBPE Registry No. 9813

Z:\2023 FBC Drawings\Therma-Tru\FL-21132 R3\FL-21132.1-5.dwg



Notes:
1. Sidelite assembly screws located 7" from top and 14" from bottom &
2 more screws equally spaced between (4 screws total per side jamb).



Documents Prepared By:
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FBPE Registry No. 9813

RW

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	7/20/20	UPDATE TO 7th ED (2020) FBC LFS

DATE: 10/11/17

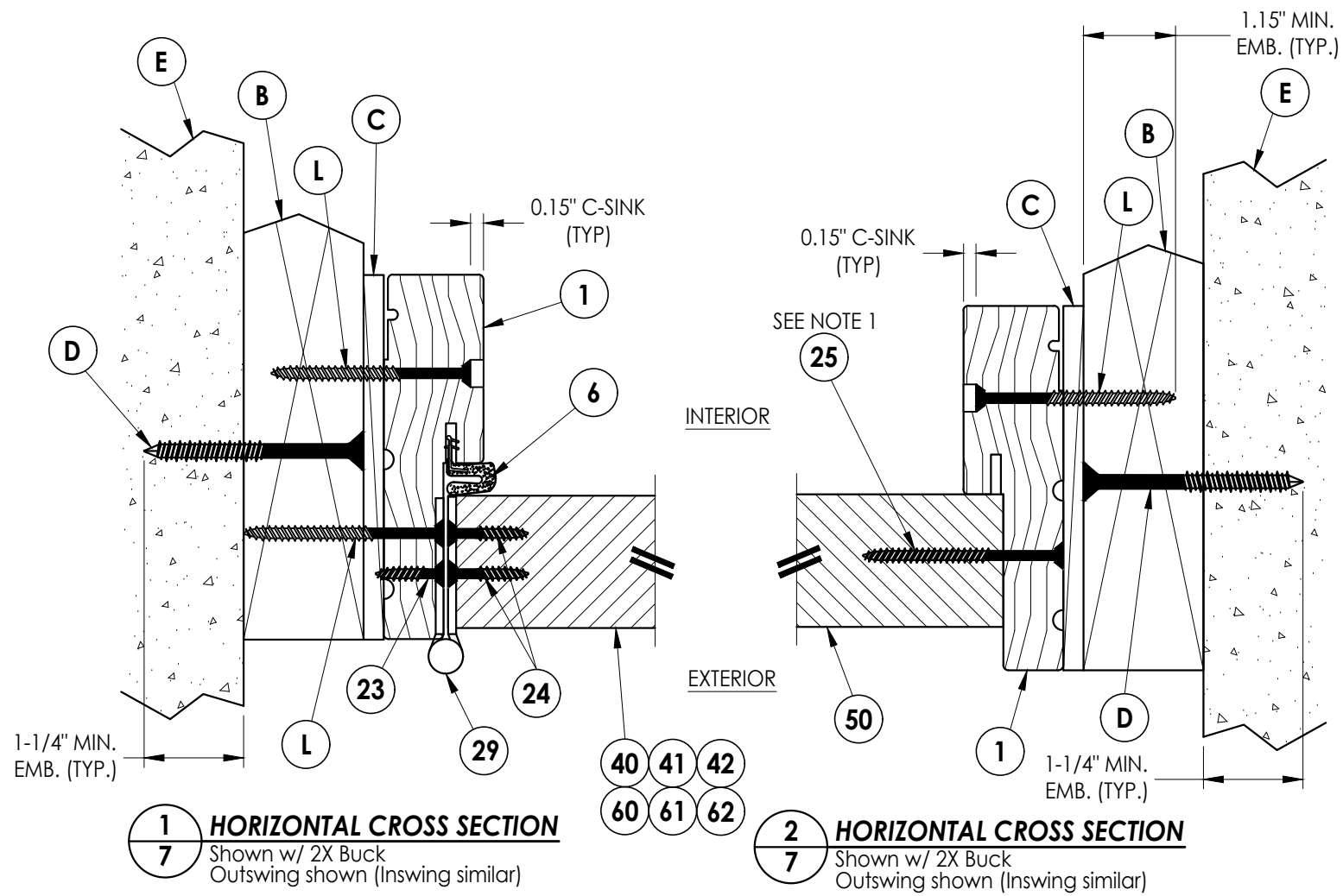
SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

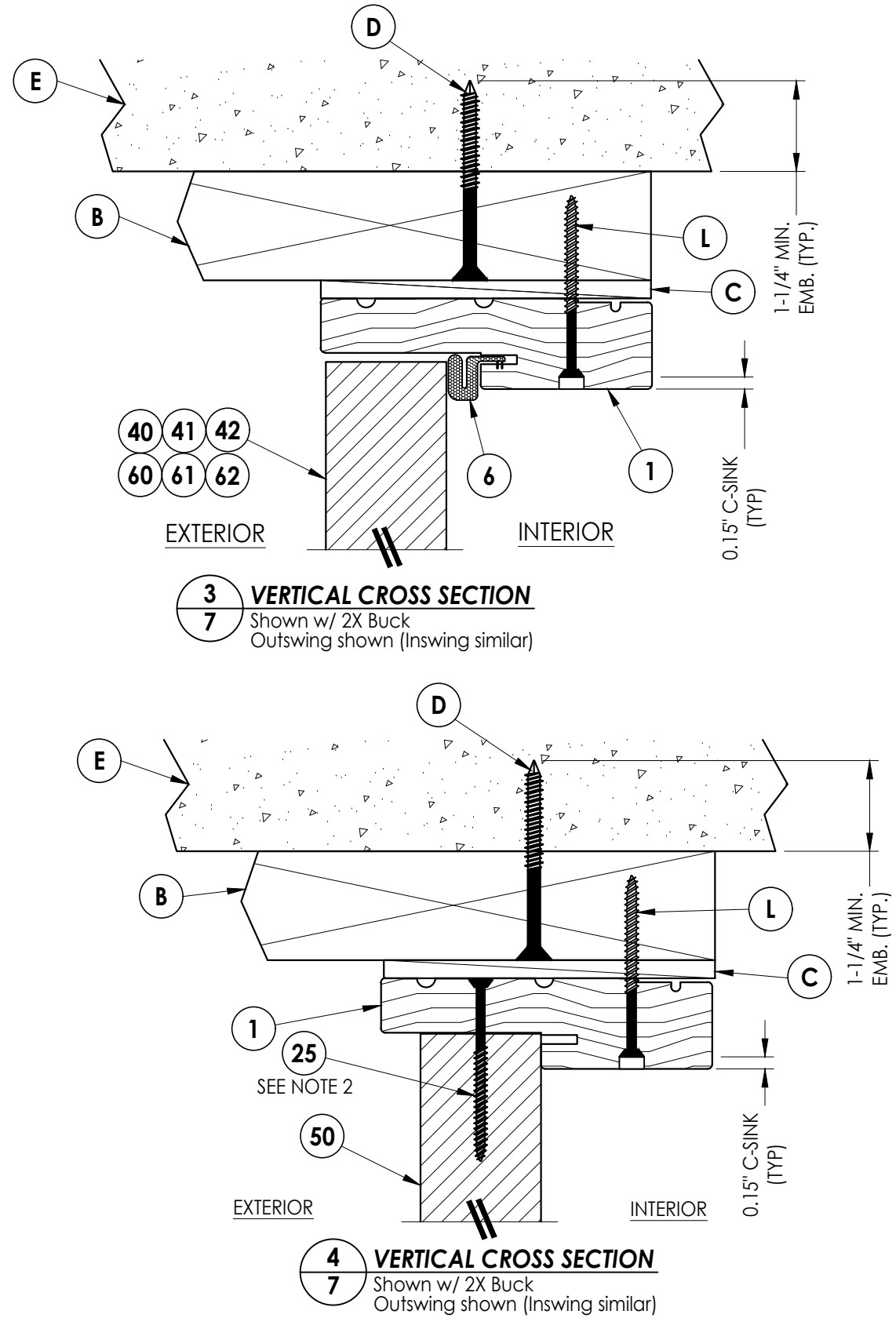
DRAWING NO.: FL-21132.2

SHEET 6 OF 17

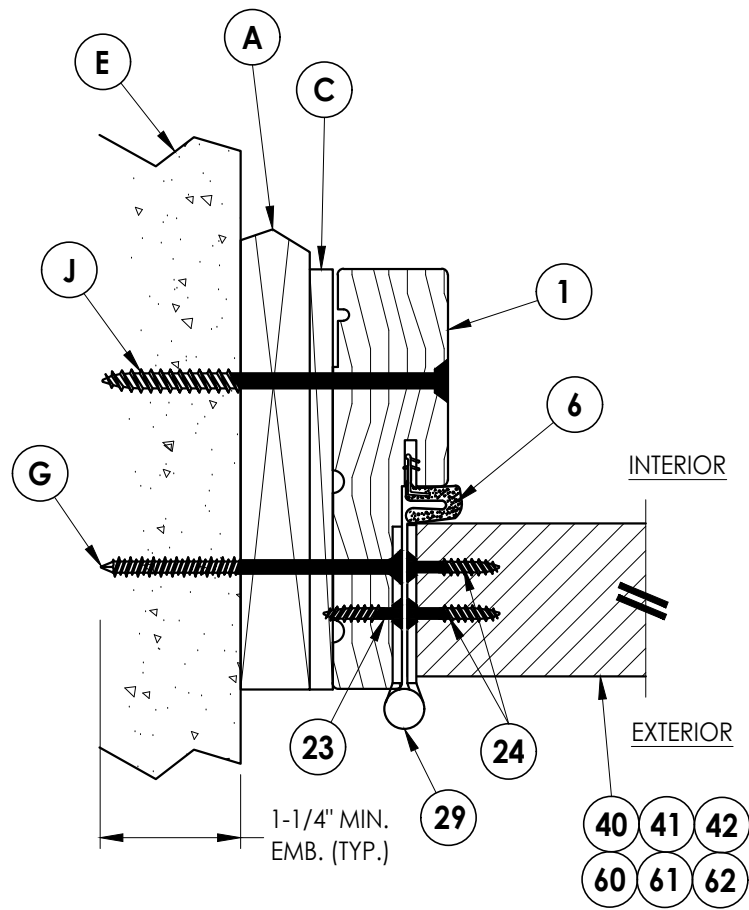


Notes:

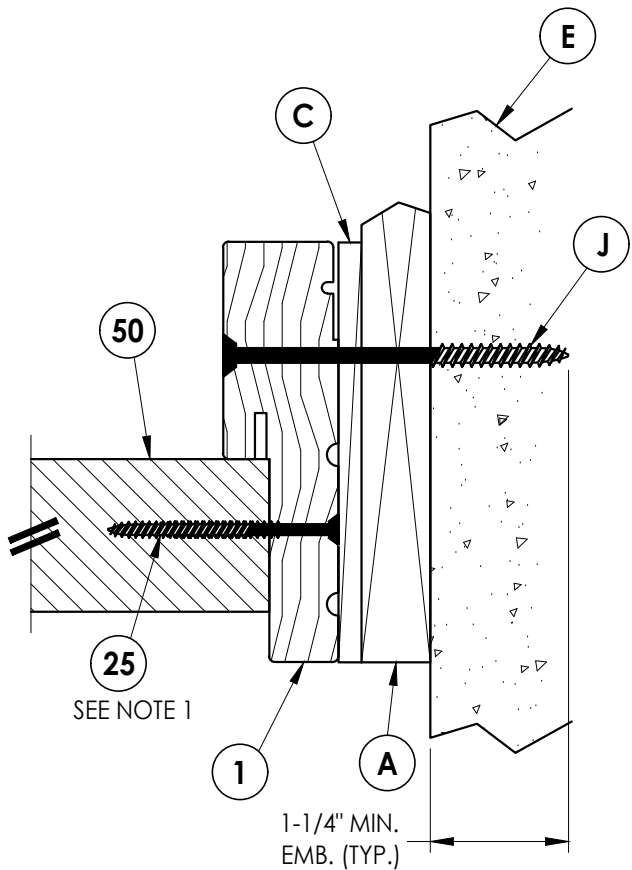
1. Sidelite assembly screws located 7" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end (2 screws along head jamb).

[illegible]

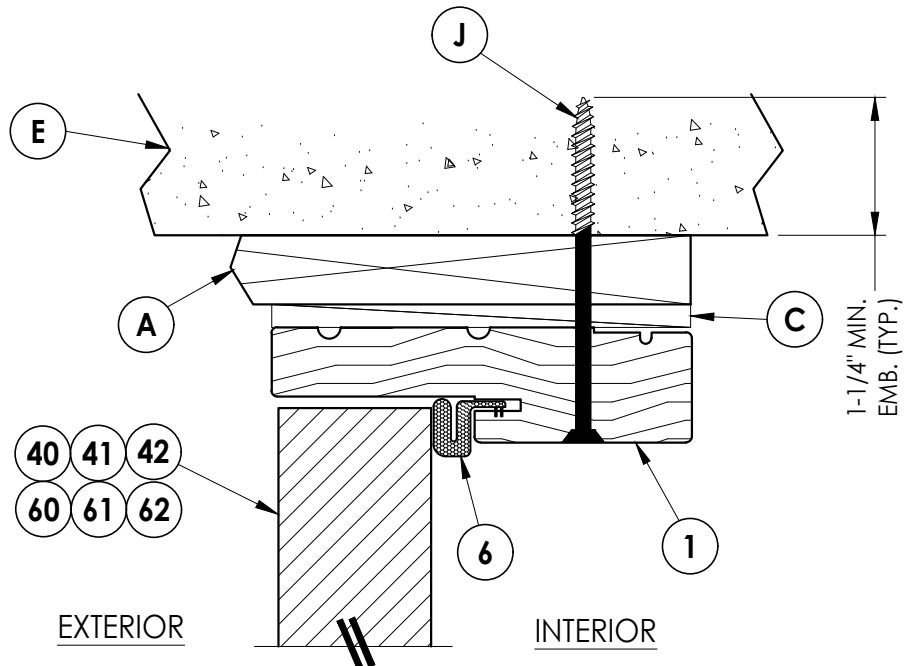
- Notes:
1. Sidelite assembly screws located 7" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
 2. Sidelite assembly screws located 3" from each end (2 screws along head jamb).



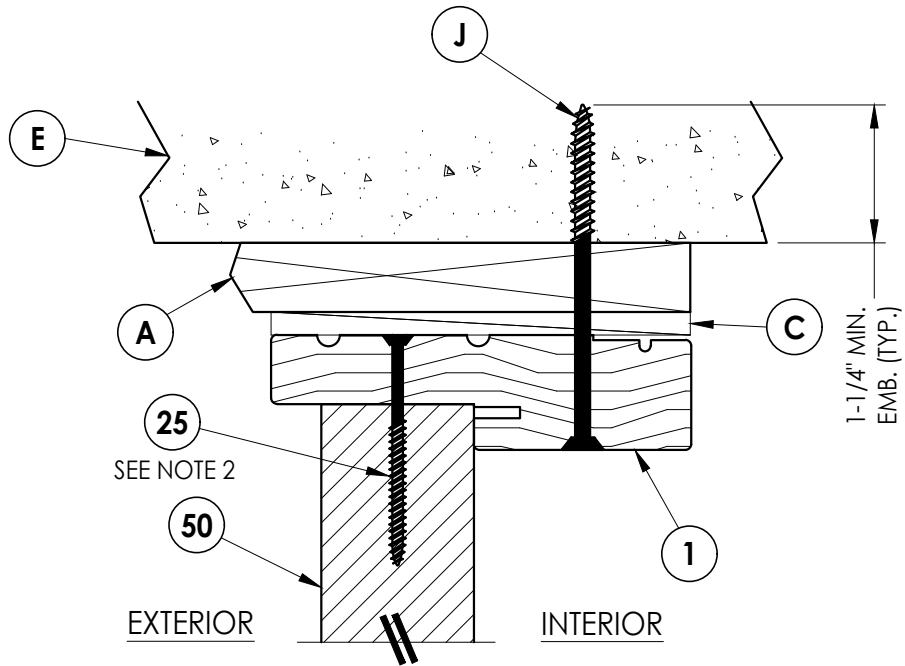
1
8 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



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



4
8 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)

Documents Prepared By:
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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
3	7/03/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	8/07/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/20/20	UPDATE TO 7th ED (2020) FBC LFS

DATE: 10/11/17

SCALE: N.T.S.

DWG. BY: JK

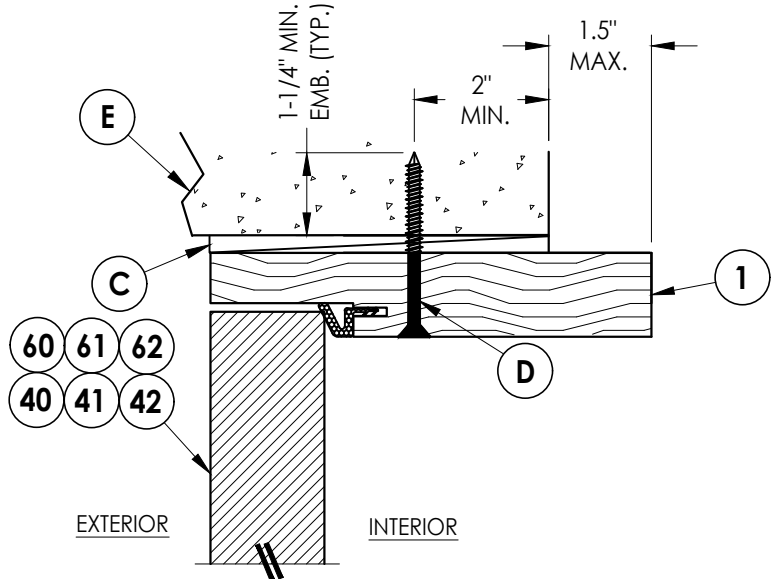
CHK. BY: LFS

DRAWING NO.:

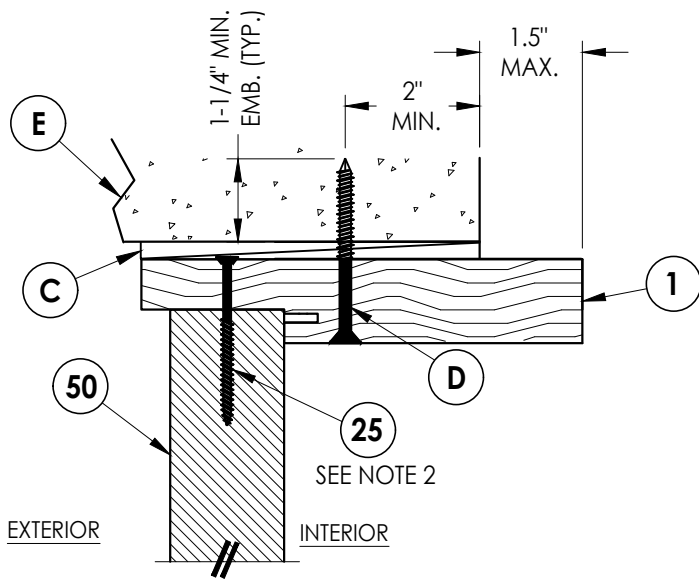
FL-21132.2

SHEET 8 OF 17

Z:\2023 FBC Drawings\Therma-Tru\FL-21132 R3\FL-21132.1-5.dwg



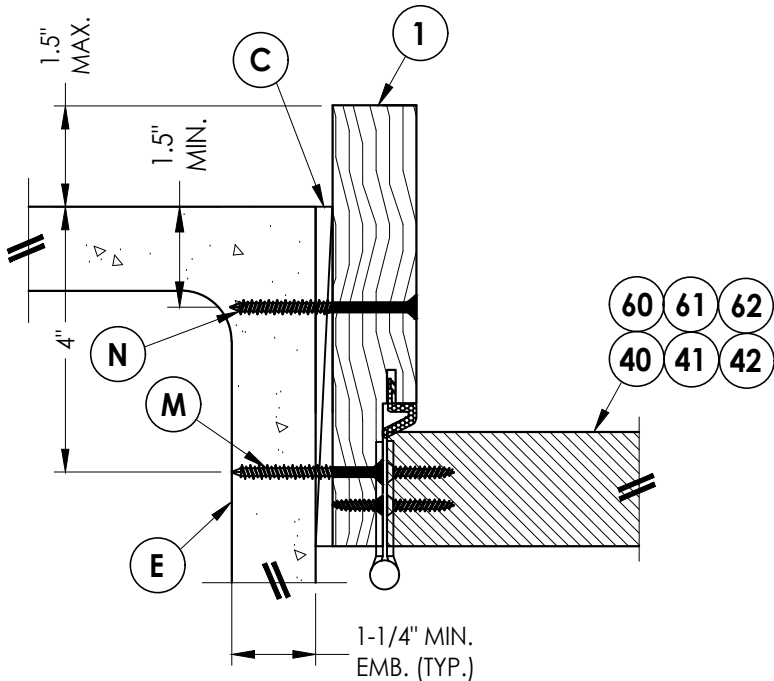
3 HORIZONTAL CROSS SECTION
9 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



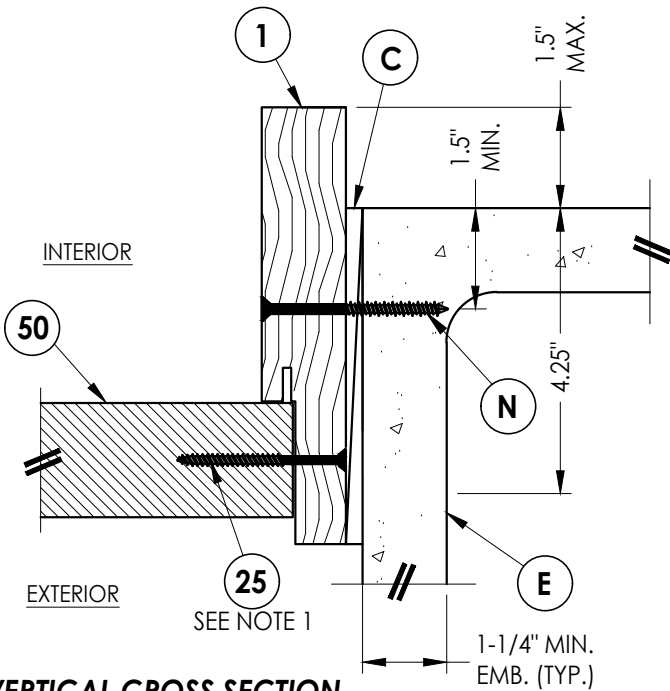
4 VERTICAL CROSS SECTION
9 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

Notes:

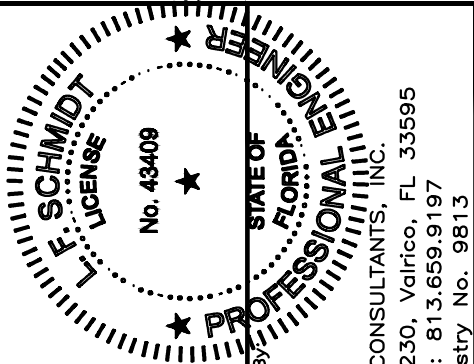
1. Sidelite assembly screws located 7" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end (2 screws along head jamb).



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



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



July 21, 2020

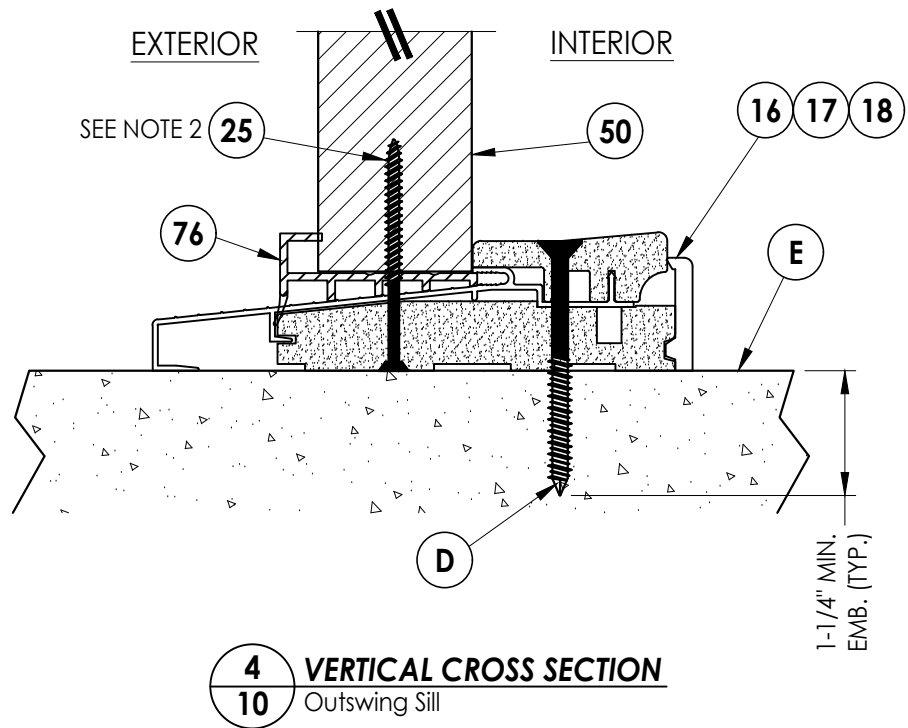
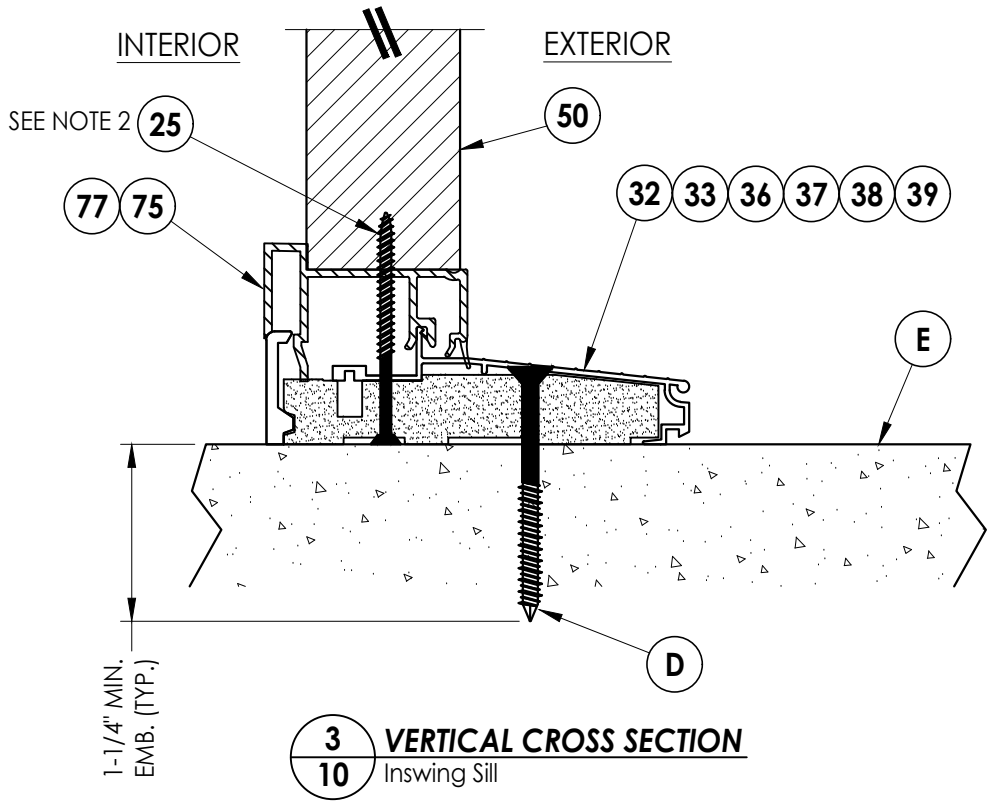
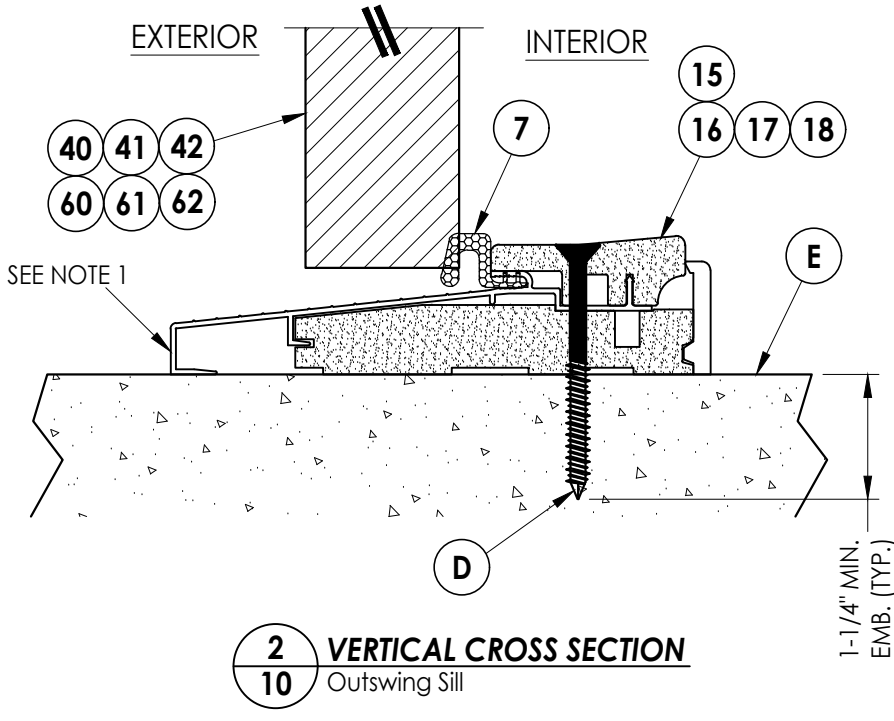
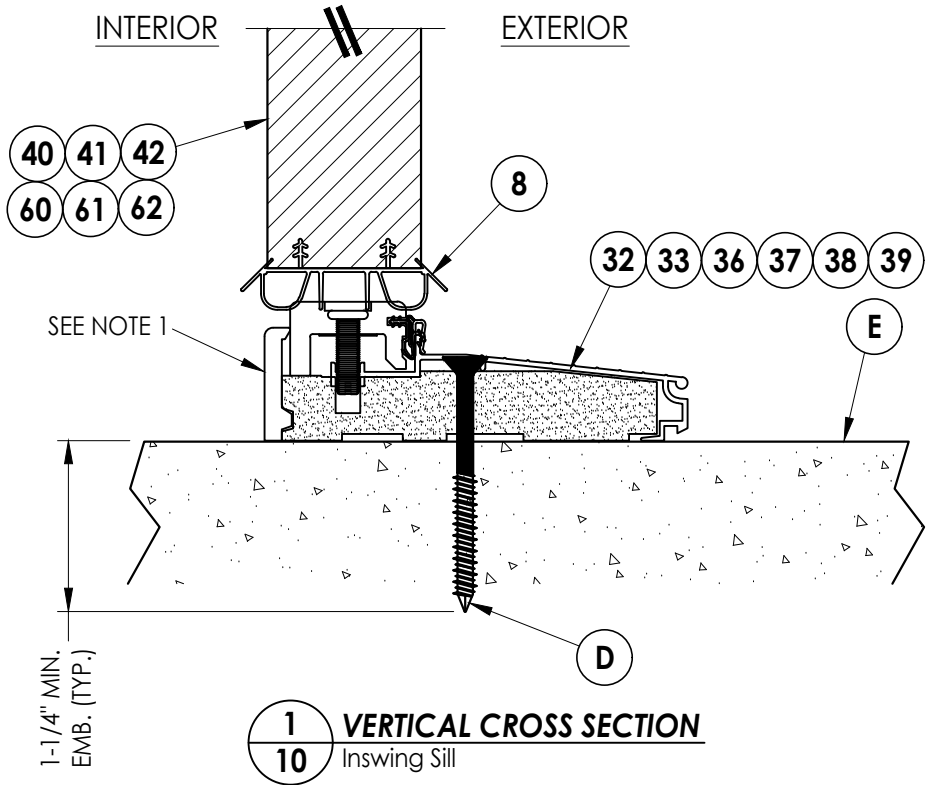
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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	DESCRIPTION	BY
3	7/03/26	UPDATE TO 9TH ED. (2026) FBC	LFS
2	8/07/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	7/20/20	UPDATE TO 7th ED (2020) FBC	LFS
DATE			
10/11/17			
SCALE:		N.T.S.	
DWG. BY:		JK	
CHK. BY:		LFS	
DRAWING NO.:		FL-21132.2	
SHEET		9 OF 17	

Z:\2023 FBC Drawings\Therma-Tru\FL-21132 R3\FL-21132.1-5.dwg

- Notes:
- 1. Sill Item #'s 16, 32, 33, 36, 37, 38 & 39 are attached to jambs w/ (3) #8 X 2-1/2" pph screws at each end.
Sill Item #'s 17 & 18 are attached to jambs w/ (2) #8 X 2-1/2" pph 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:
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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:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

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	7/20/20	UPDATE TO 7th ED (2020) FBC LFS

DATE: 10/11/17

SCALE: N.T.S.

DWG. BY: JK

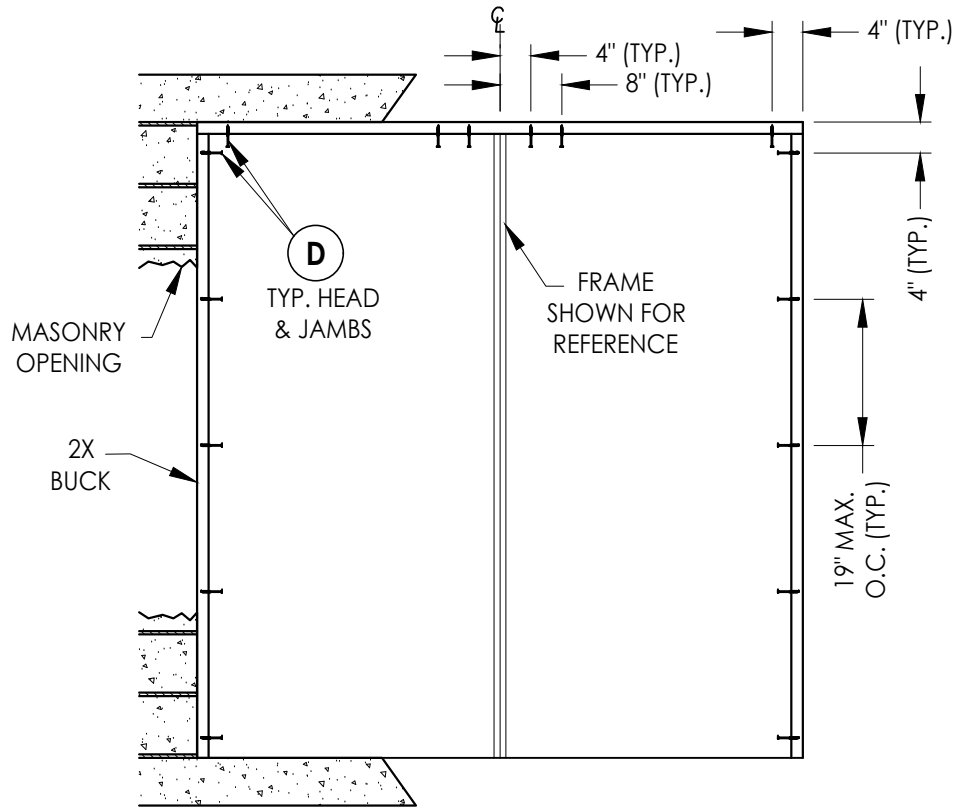
CHK. BY: LFS

DRAWING NO.:

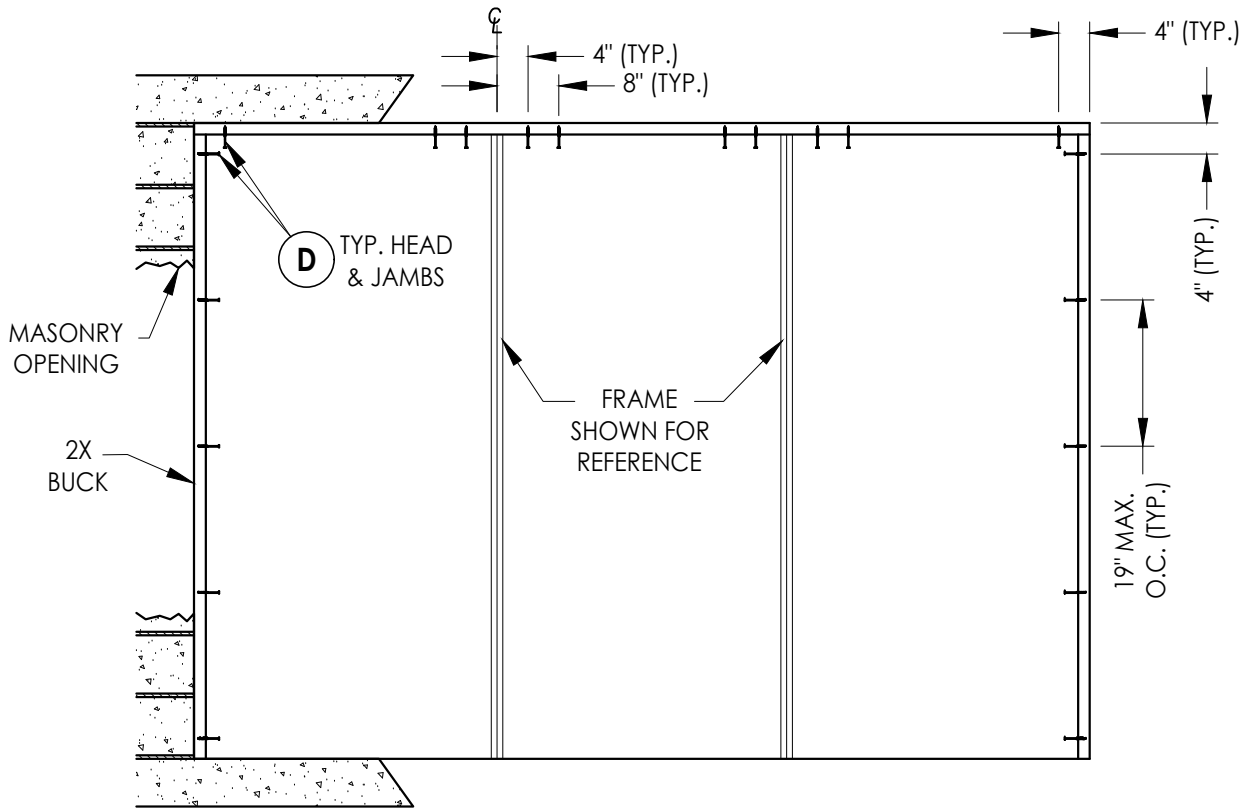
FL-21132.2

SHEET 10 OF 17

Z:\2023 FBC Drawings\Therma-Tru\FL-21132 R3\FL-21132.1-5.dwg



XO/OX



OXO

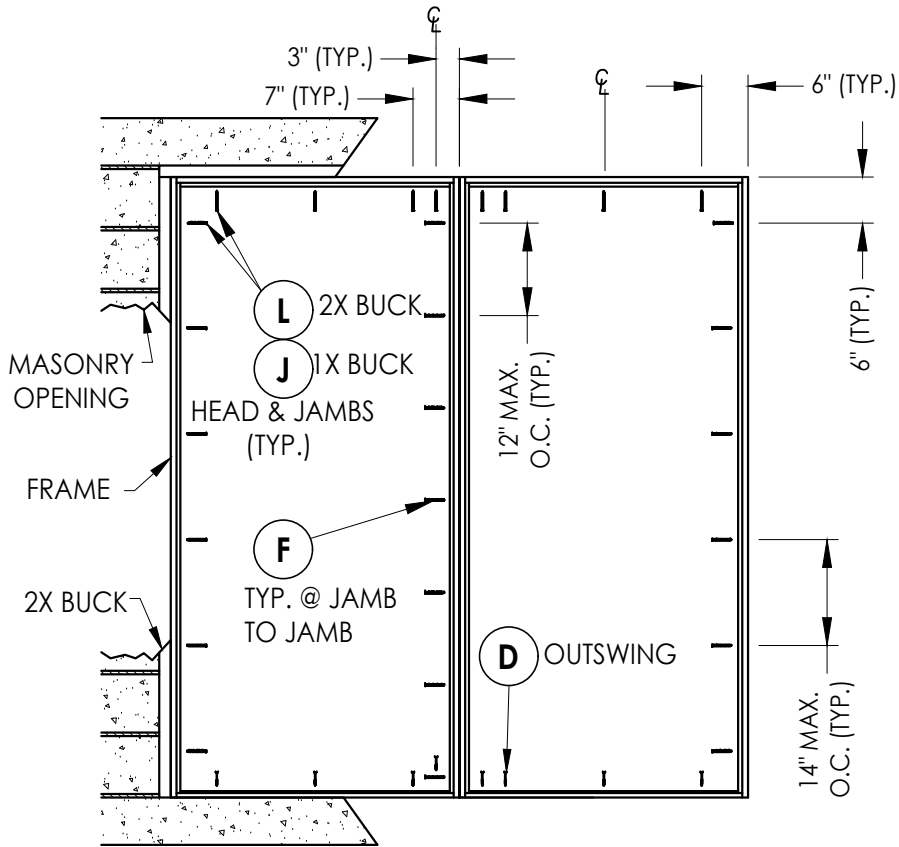
2X BUCK ANCHORING

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	7/20/20	UPDATE TO 7th ED (2020) FBC LFS

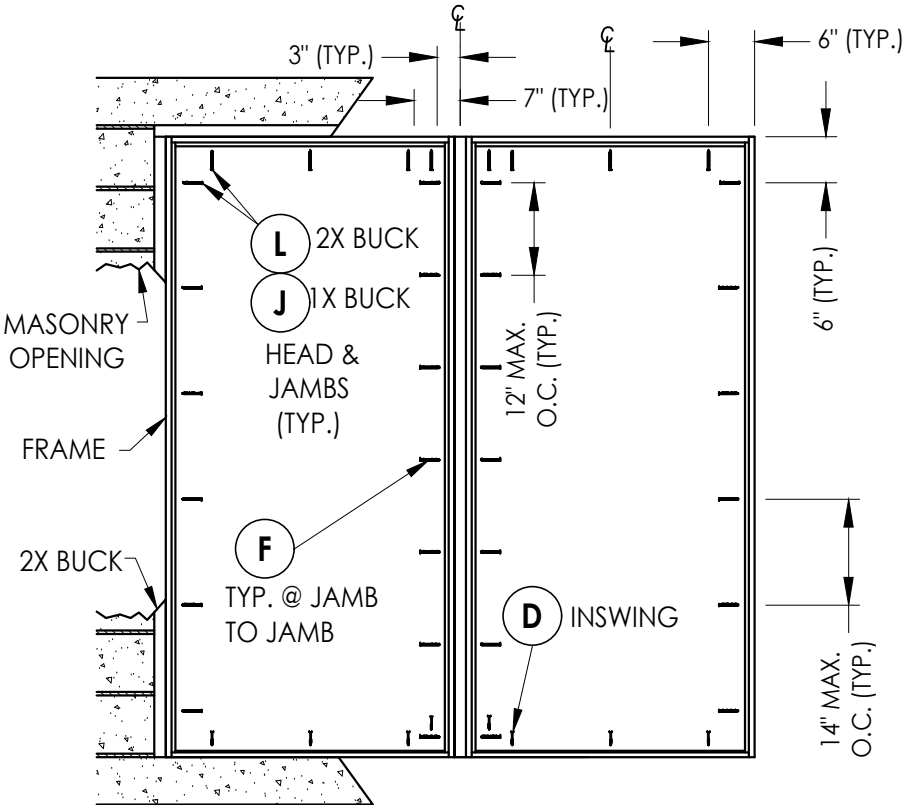
DATE:	10/11/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21132.2
SHEET	11 OF 17

PRODUCT:	THERMA-TRU STEEL DOOR
PART OR ASSEMBLY:	FRAME ANCHORING 2X BUCK MASONRY CONSTRUCTION

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Vairico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813
---	---



OUTSWING OX/XO



INSWING OX/XO

FRAME ANCHORING

DATE: 10/11/17	
SCALE: N.T.S.	
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.: FL-21132.2	
SHEET 12 OF 17	

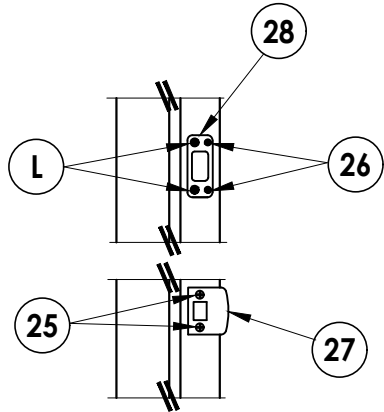
PRODUCT:	THERMA-TRU STEEL DOOR
	PART OR ASSEMBLY: FRAME ANCHORING 2X BUCK MASONRY CONSTRUCTION

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

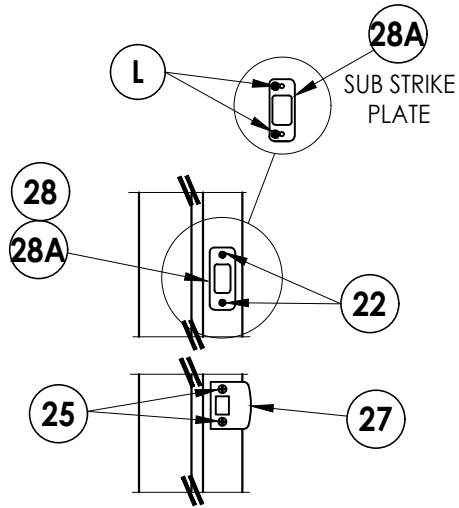
RW

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

Z:\2023 FBC Drawings\Therma-Tru\FL-21132 R3\FL-21132.1-5.dwg

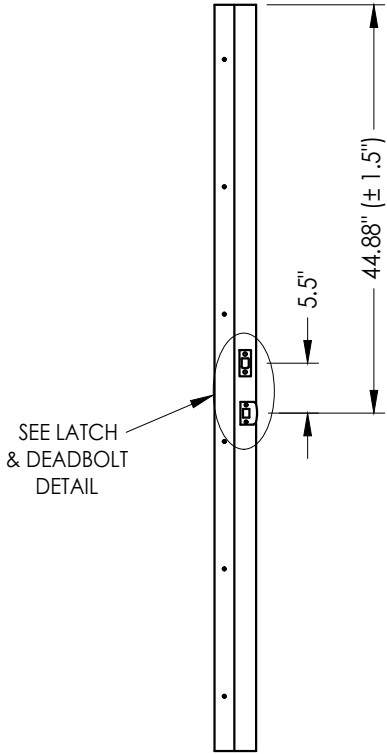


LATCH & DEADBOLT DETAIL
Kwikset

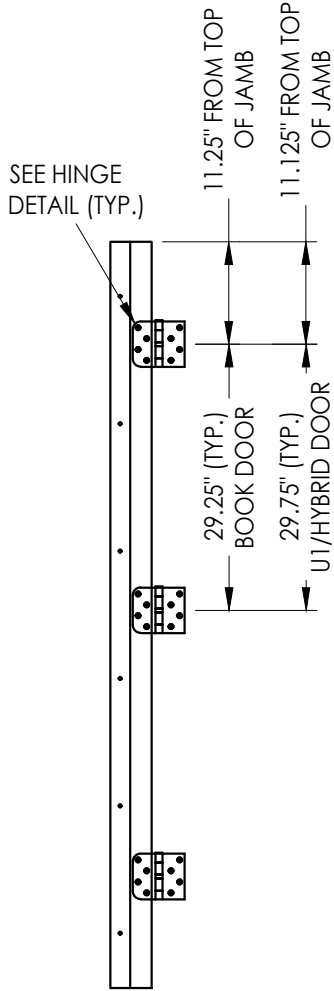


LATCH & DEADBOLT DETAIL
Schlage

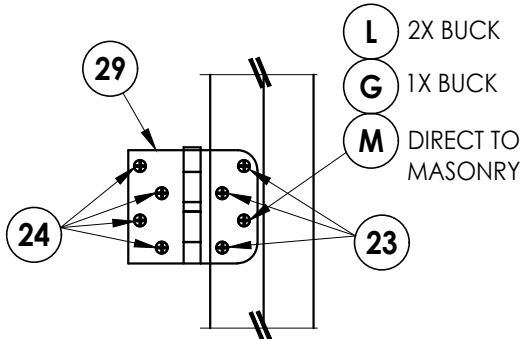
LATCH & DEADBOLT STRIKE DETAILS



STRIKE JAMB
Latch and Deadbolt



HINGE JAMB



HINGE DETAIL

DATE: 10/11/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-21132.2

SHEET 14 OF 17

PRODUCT:

THERMA-TRU
STEEL DOOR

PART OR ASSEMBLY:

HARDWARE DETAILS

REVISIONS

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

RW BUILDING CONSULTANTS, INC.

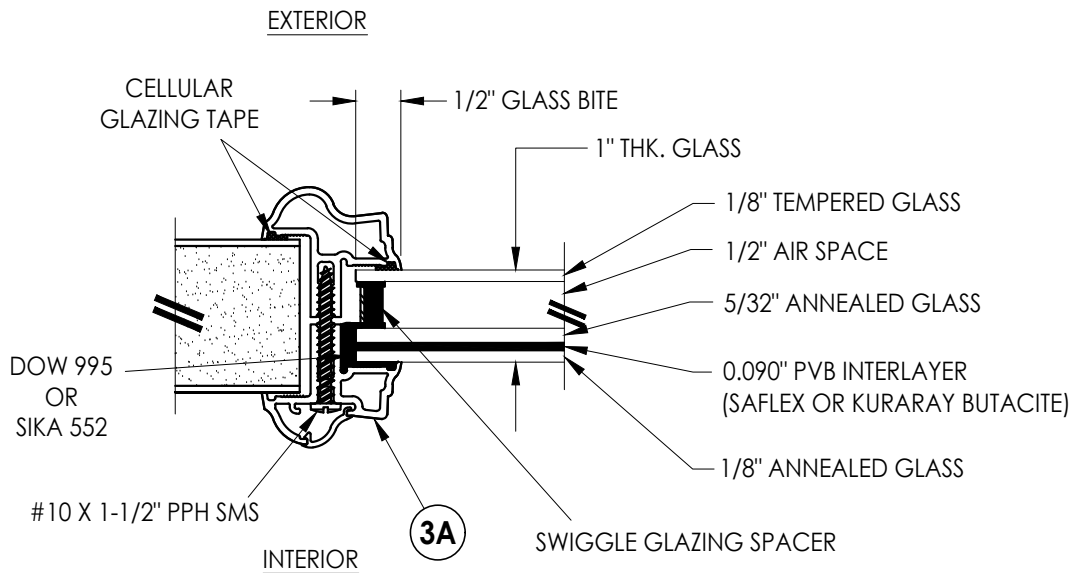
P.O. Box 230, Valrico, FL 33595

Phone No.: 813.659.9197

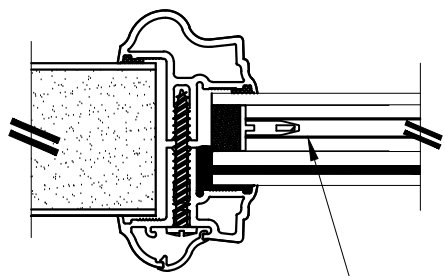
FBPE Registry No. 9813

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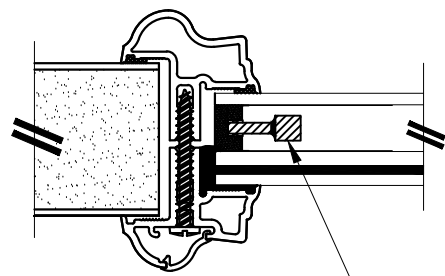
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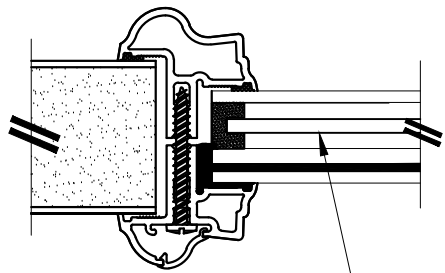
G1 GLAZING DETAIL
Aluminum Impact Lite Frame
Door Panels & Sidelites



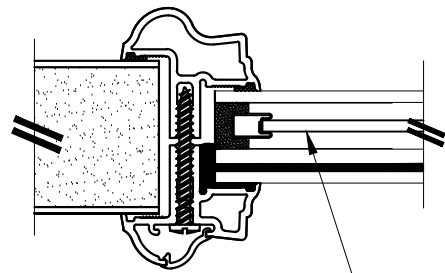
INTERNAL GRID (GBG)



WROUGHT IRON INSERT

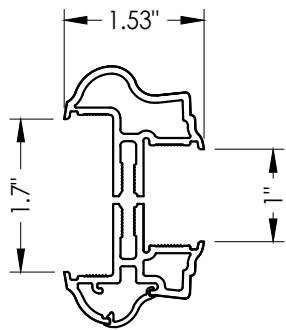


PRIVACY INSERT

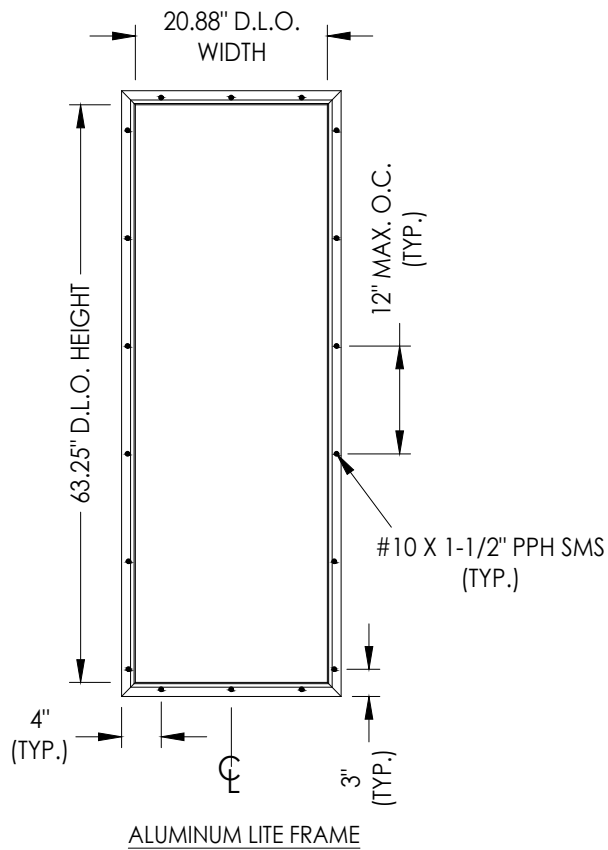


DECORATIVE INSERT

1" LAMINATED INSULATED IMPACT GLASS INSERT OPTIONS



3A ALUMINUM FRAME
Aluminum Impact Lite Frame
Door Panels & Sidelites



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

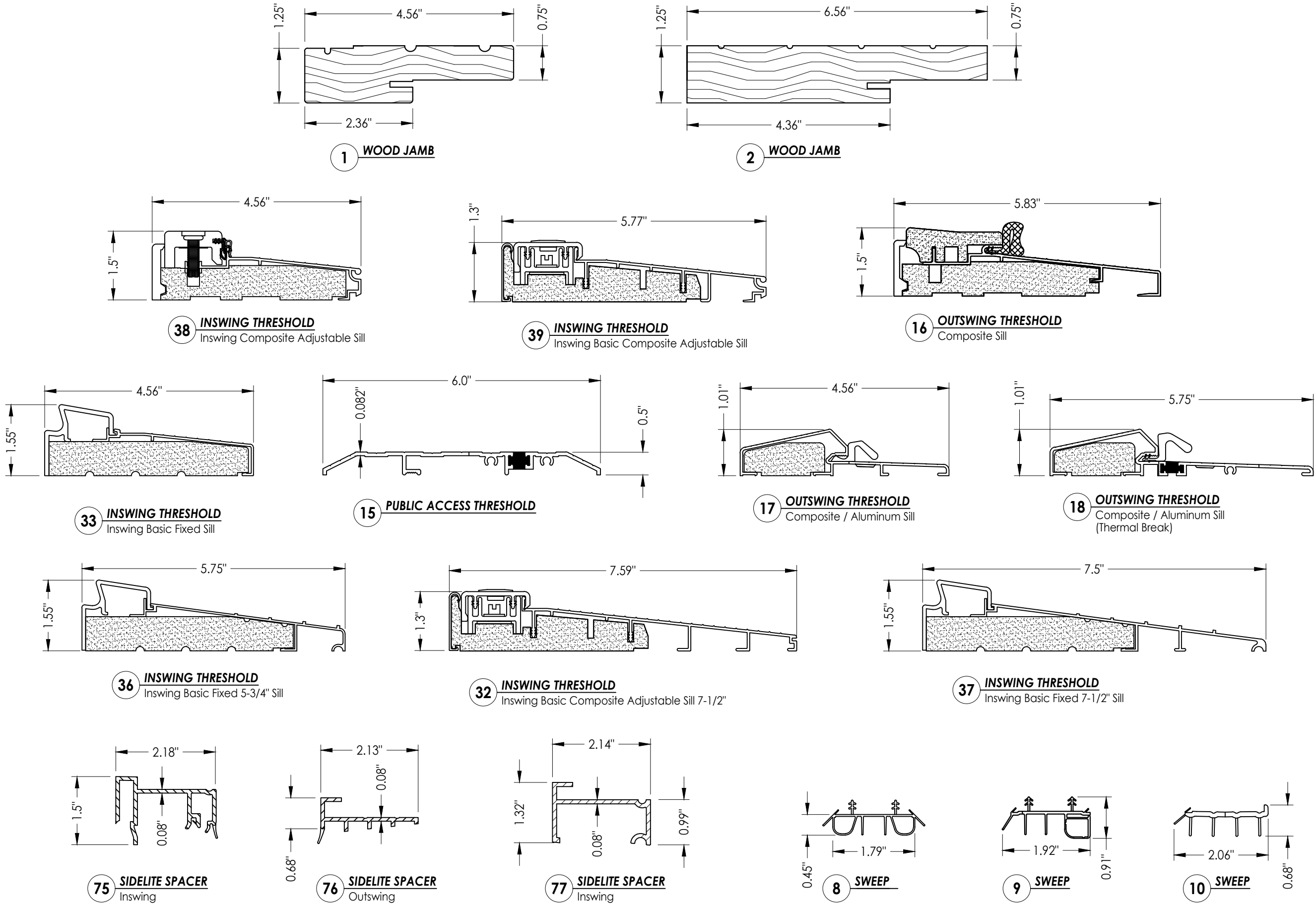
PART OR ASSEMBLY:

GLAZING DETAILS

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	7/20/20	UPDATE TO 7th ED	(2020)	FBC	LFS

DATE:	10/11/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21132.2
SHEET	15 OF 17

Z:\2023 FBC Drawings\Therma-Tru\FL-21132 R3\FL-21132.1-5.dwg



DATE: 10/11/17	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-21132.2	
SHEET 16 OF 17	

PRODUCT:	Therma-Tru Steel Door
	COMPONENTS

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

BILL OF MATERIALS			BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL	ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD	24	#10 x 1" PFH WOOD SCREW	STEEL
B	2X BUCK (SG >= 0.42)	WOOD	25	#8 x 2-1/2" PFH WOOD SCREW	STEEL
C	1/4" MAX. SHIM SPACE	-	26	#8 x 5/8" PFH WOOD SCREW	STEEL
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	27	LATCH STRIKE PLATE	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE	28	DEADBOLT STRIKE PLATE	STEEL
			28A	DEADBOLT SUB STRIKE PLATE	STEEL
F	#10 X 2" PFH WOOD SCREW	STEEL	29	4" X 4" HINGE	STEEL
G	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL	32	INSWING THRESHOLD	ALUM/COMP
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	33	INSWING THRESHOLD	ALUM/COMP
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL	36	INSWING THRESHOLD	ALUM/COMP
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL	37	INSWING THRESHOLD	ALUM/COMP
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL	38	INSWING THRESHOLD	ALUM/COMP
1	JAMB (FINGER JOINT PINE)	WOOD	39	INSWING THRESHOLD	ALUM/COMP
2	JAMB (FINGER JOINT PINE)	WOOD	40	DOOR PANEL (BOOK) - "PROFILES" SERIES	-
6	WEATHERSTRIP (MEDIUM REACH)	FOAM	41	DOOR PANEL (HYBRID) - "PROFILES" SERIES	-
7	WEATHERSTRIP (LONG REACH)	FOAM	42	DOOR PANEL (U1) - "PROFILES" SERIES	-
8	SWEEP	VINYL	50	SIDELITE (FULL LITE)	-
9	SWEEP (USE w/ MODERATE CLIMATE THRESHOLD)	VINYL	60	DOOR PANEL (BOOK) - "TRADITIONS" SERIES	-
10	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL	61	DOOR PANEL (HYBRID) - "TRADITIONS" SERIES	-
15	PUBLIC ACCESS THRESHOLD	ALUM	62	DOOR PANEL (U1) - "TRADITIONS" SERIES	-
16	OUTSWING THRESHOLD	ALUM/COMP	75	SIDELITE SPACER (INSWING)	-
17	OUTSWING THRESHOLD	ALUM/COMP	76	SIDELITE SPACER (OUTSWING)	-
18	OUTSWING THRESHOLD	ALUM/COMP	77	SIDELITE SPACER (INSWING) - MODERATE CLIMATE SILL	-
22	#8 x 3/4" PFH WOOD SCREW	STEEL	CORROSION RESISTANCE - SALTWATER ENVIRONMENTS		
23	#10 x 3/4" PFH WOOD SCREW	STEEL			

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"	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]