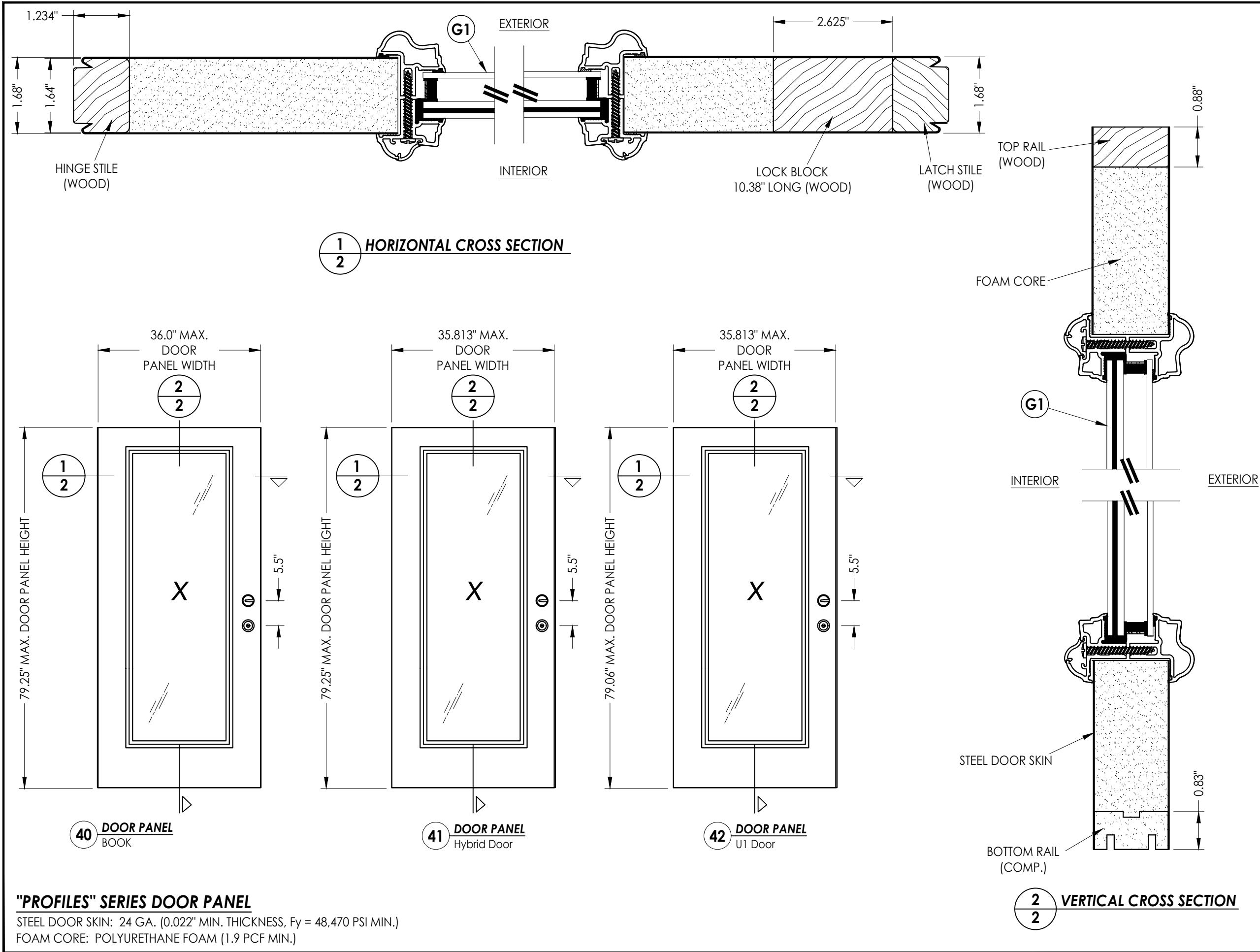
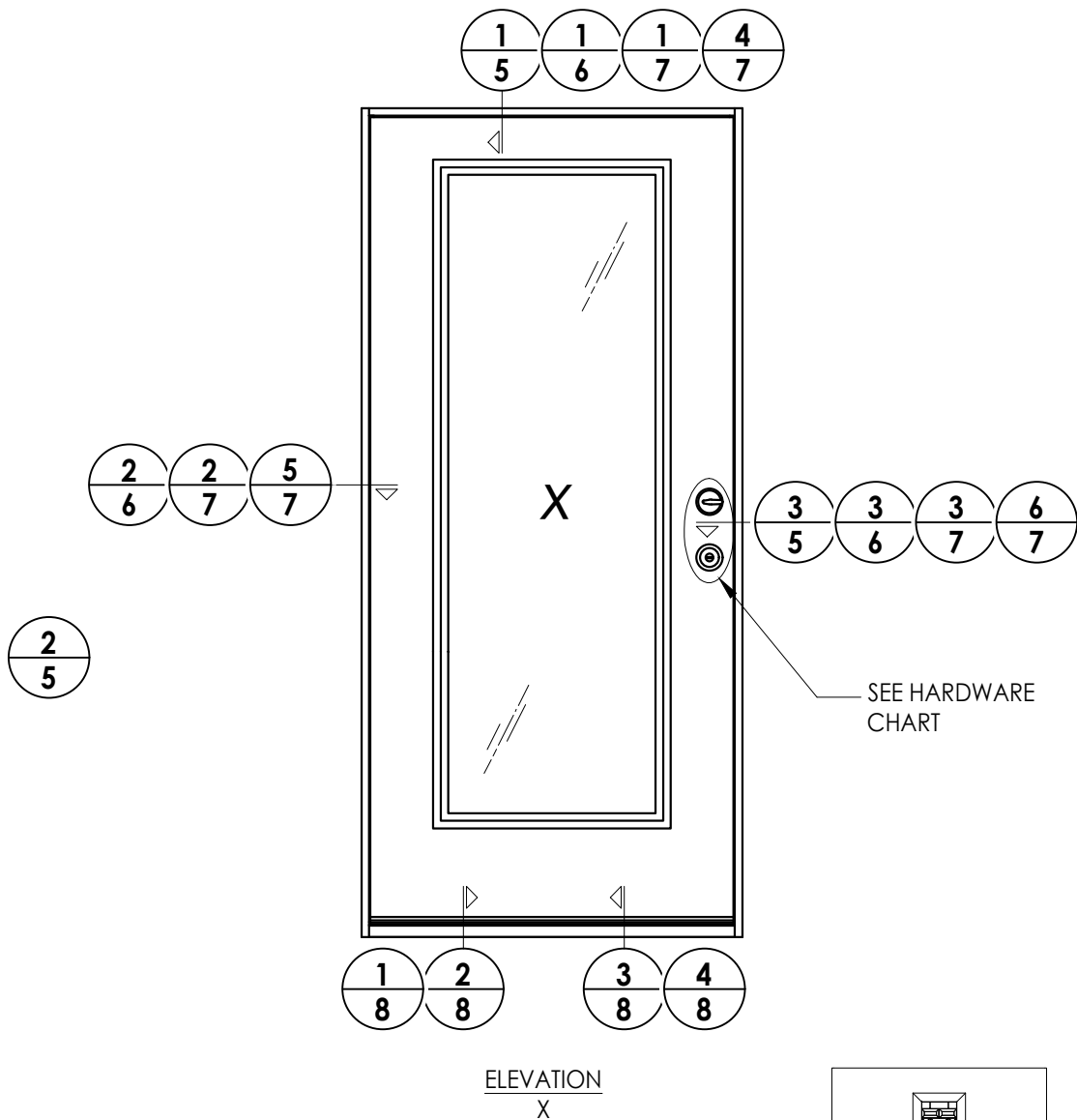


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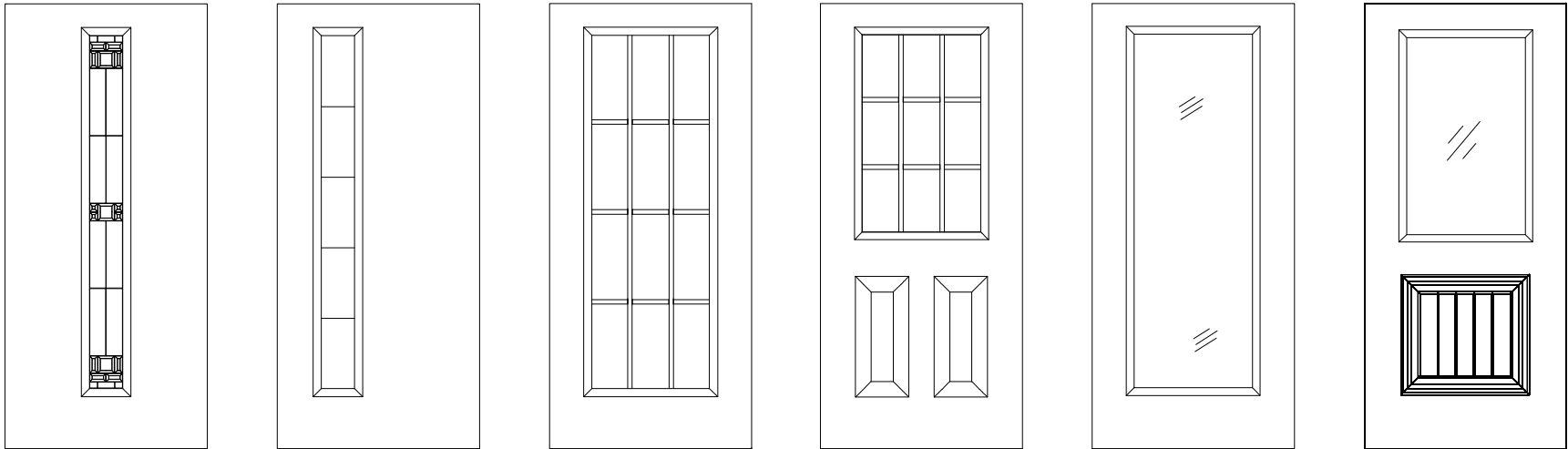


Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. <i>R^qW</i> P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: THERMA-TRU STEEL DOOR		PART OR ASSEMBLY: "PROFILES" DOOR PANEL DETAILS	
		LFS	BY
2	8/17/23	UPDATE TO 8TH ED. (2023)	FBC
1	7/15/20	UPDATE TO 7th ED (2020)	FBC
NO.	DATE	REVISIONS	
DATE: 10/12/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-23507.9			
SHEET 2 OF 13			

Z:\2023 FBC Drawings\Therma-Tru\FL-23507 R2\FL-23507.9-11.dwg



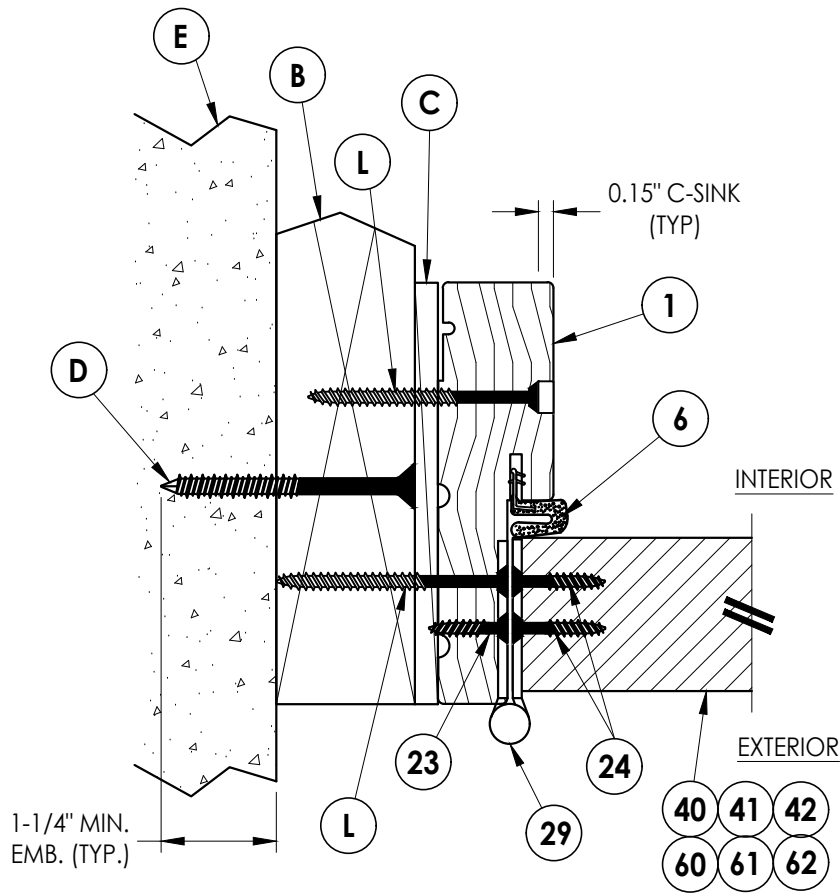
HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	KNOB:	F51
	DEADBOLT:	B60
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)



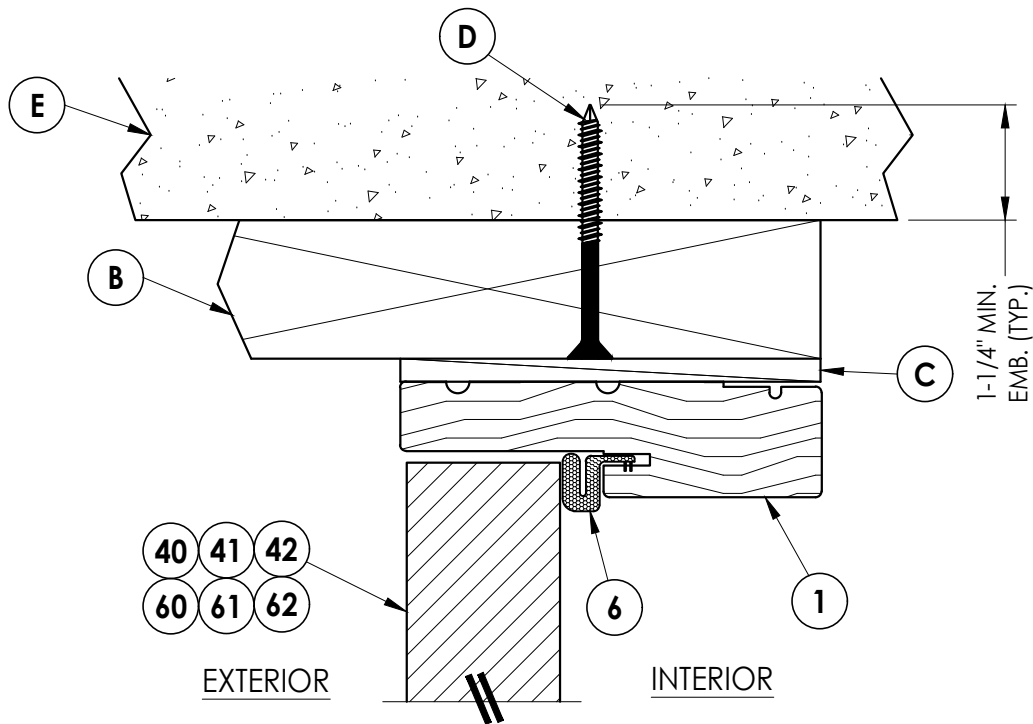
PROFILES/TRADITIONS Steel Door Panel Options
Panel options shown are for illustration and are representative only
(similar opaque panel configurations are allowed)

DATE: 10/12/17		PRODUCT:		THERMA-TRU STEEL DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409			
SCALE: N.T.S.		PART OR ASSEMBLY:		ELEVATIONS		 BUILDING CONSULTANTS, INC. P.O. Box 230, Vairico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
DWG. BY: JK		NO.		DATE					
CHK. BY: LFS		2		8/17/23					
DRAWING NO.: FL-23507.9		1		7/15/20					
SHEET 4 OF 13		UPDATE TO 8TH ED. (2023)		FBC		LFS			
		UPDATE TO 7th ED (2020)		FBC		PO			
						BY			

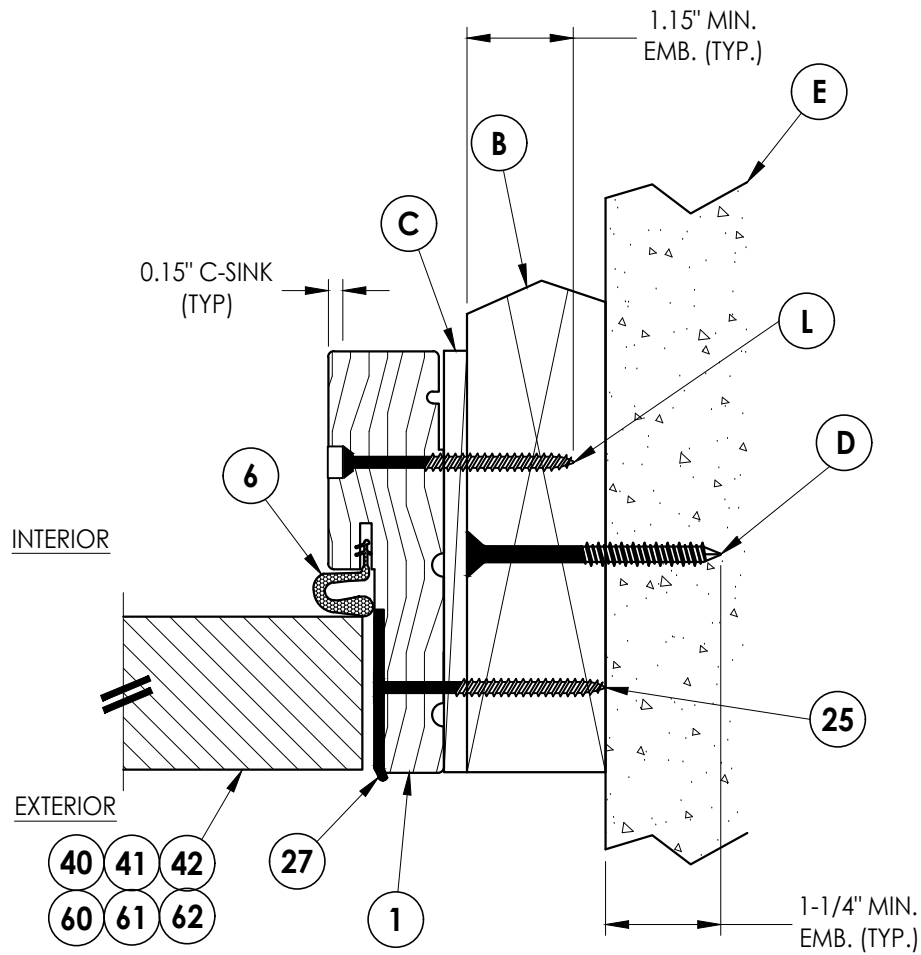
Z:\2023 FBC Drawings\Therma-Tru\FL-23507 R2\FL-23507.9-11.dwg



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



1 VERTICAL CROSS SECTION
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)



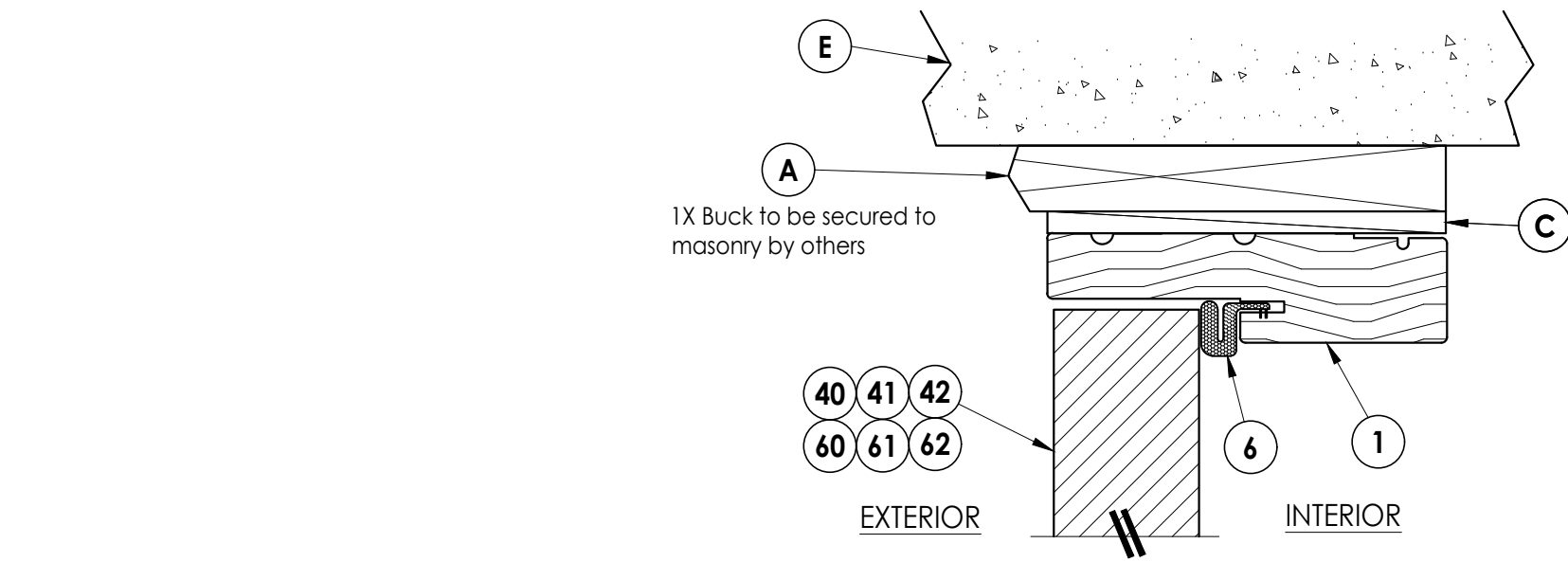
3 HORIZONTAL CROSS SECTION
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)

DATE		NO.		DATE		BY	
10/12/17		2		8/17/23		LFS	
SCALE: N.T.S.		1		7/15/20		PO	
DWG. BY: JK		2		8/17/23		FBC	
CHK. BY: LFS		1		7/15/20		FBC	
DRAWING NO.: FL-23507.9		2		8/17/23		FBC	
SHEET 5 OF 13		1		7/15/20		FBC	

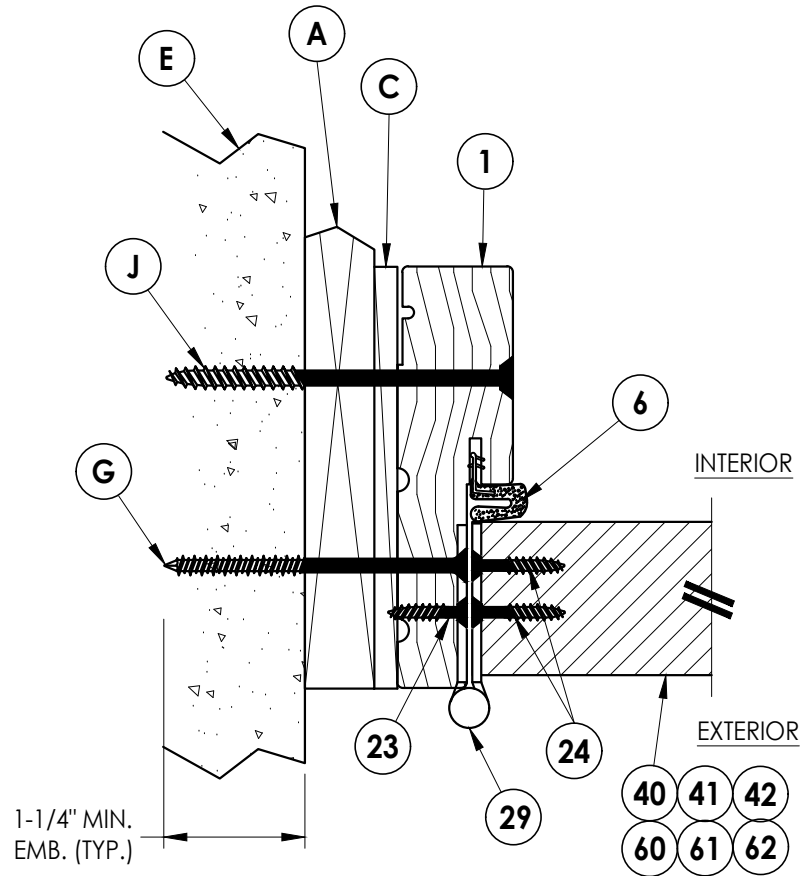
PRODUCT:		PART OR ASSEMBLY:	
THERMA-TRU STEEL DOOR		HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	

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	

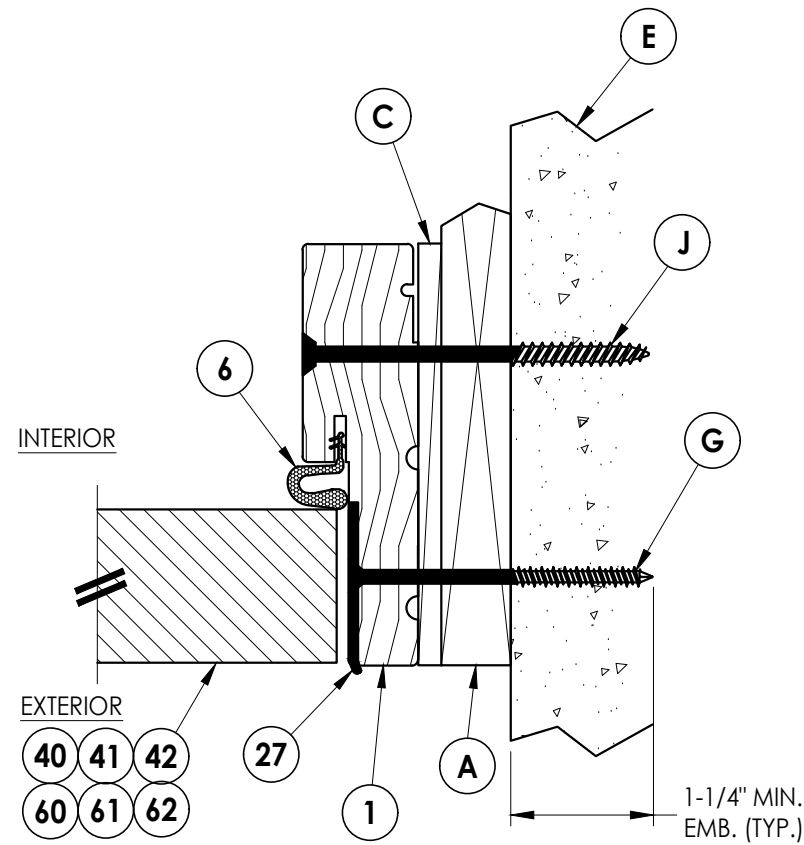
Z:\2023 FBC Drawings\Therma-Tru\FL-23507 R2\FL-23507.9-11.dwg



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



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



3 HORIZONTAL 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	8/17/23	LFS	UPDATE TO 8TH ED. (2023) FBC
1	7/15/20	PO	UPDATE TO 7th ED (2020) FBC

DATE: 10/12/17

SCALE: N.T.S.

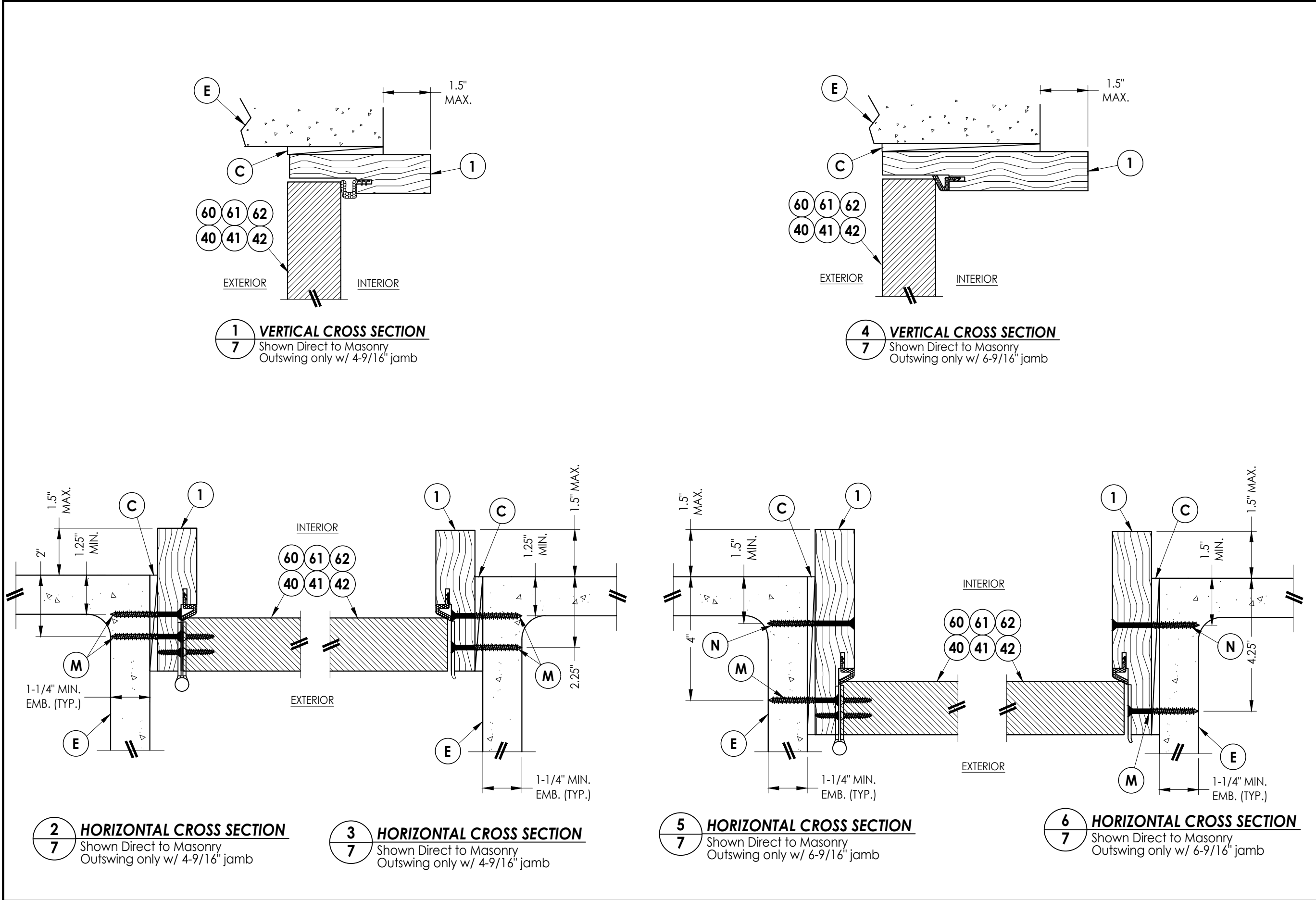
DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-23507.9

SHEET 6 OF 13



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:

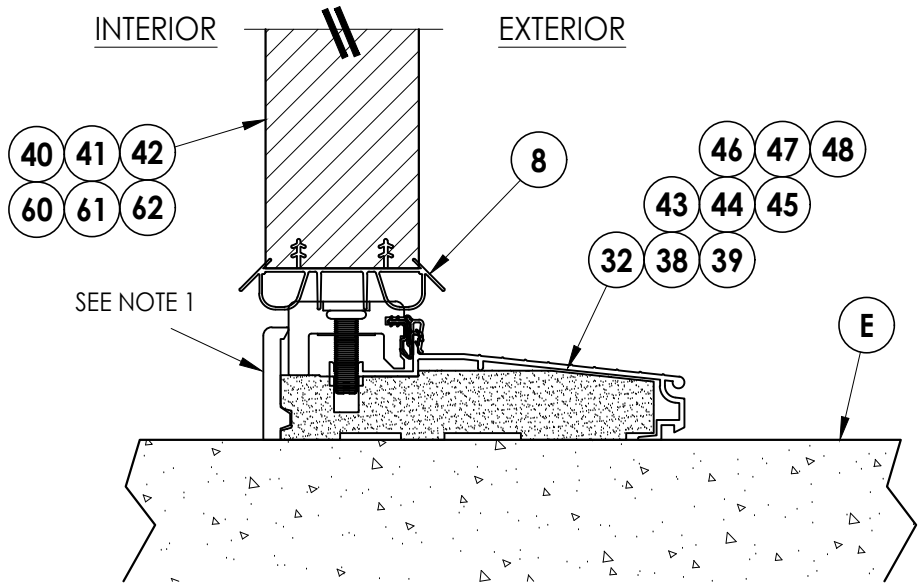
THERMA-TRU
STEEL DOOR

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

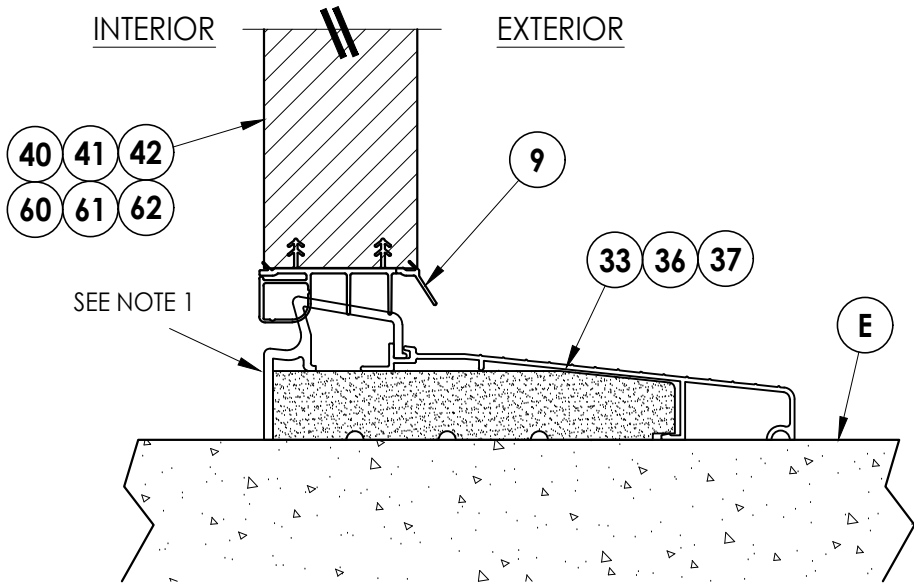
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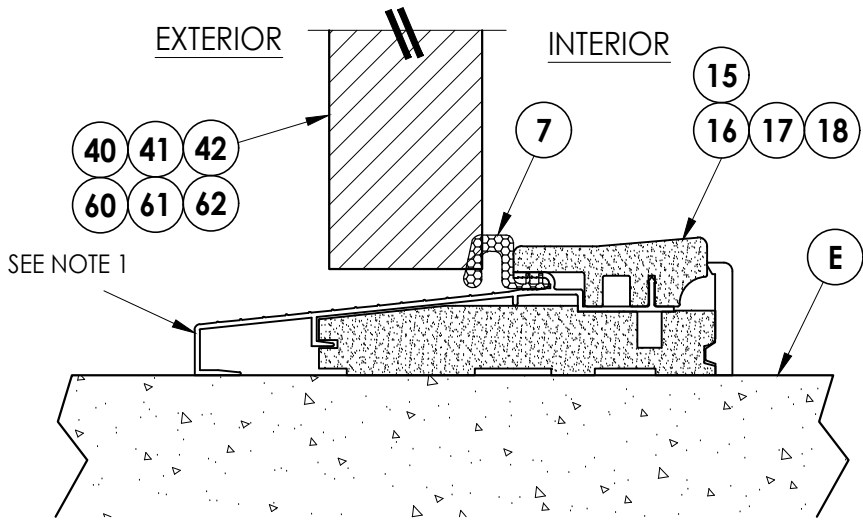
- Notes:
- 1. Sill Item #'s 16, 32, 33, 36, 37, 38, 39, 43, 44, 45, 46, 47 & 48 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws or (3) 2.5" staples at each end.
 - 2. Sill Item #'s 17, 18 & 31 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
 - 3. Sill Item #15 is attached to jambs utilizing (2) #10 X 2" pph SMS screws at each end.



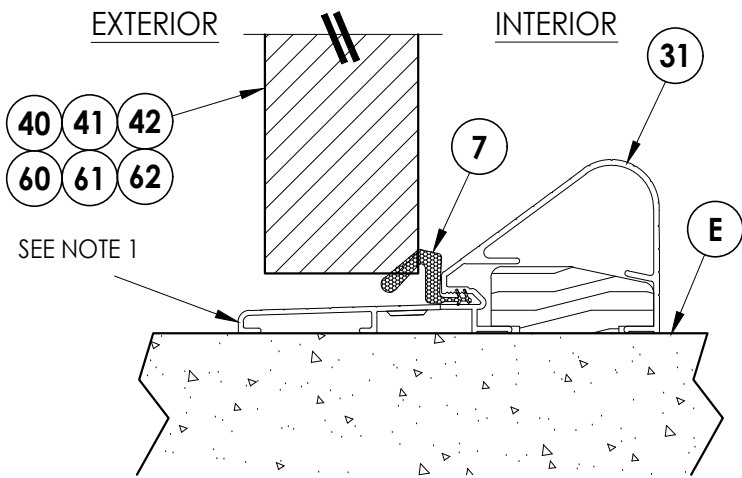
1
8 **VERTICAL CROSS SECTION**
Inswing Sill



2
8 **VERTICAL CROSS SECTION**
Inswing Sill



3
8 **VERTICAL CROSS SECTION**
Outswing Sill



4
8 **VERTICAL CROSS SECTION**
High Dam 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		
		PO	BY	
2	8/17/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	7/15/20	UPDATE TO 7th ED (2020)	FBC	PO

DATE: 10/12/17

SCALE: N.T.S.

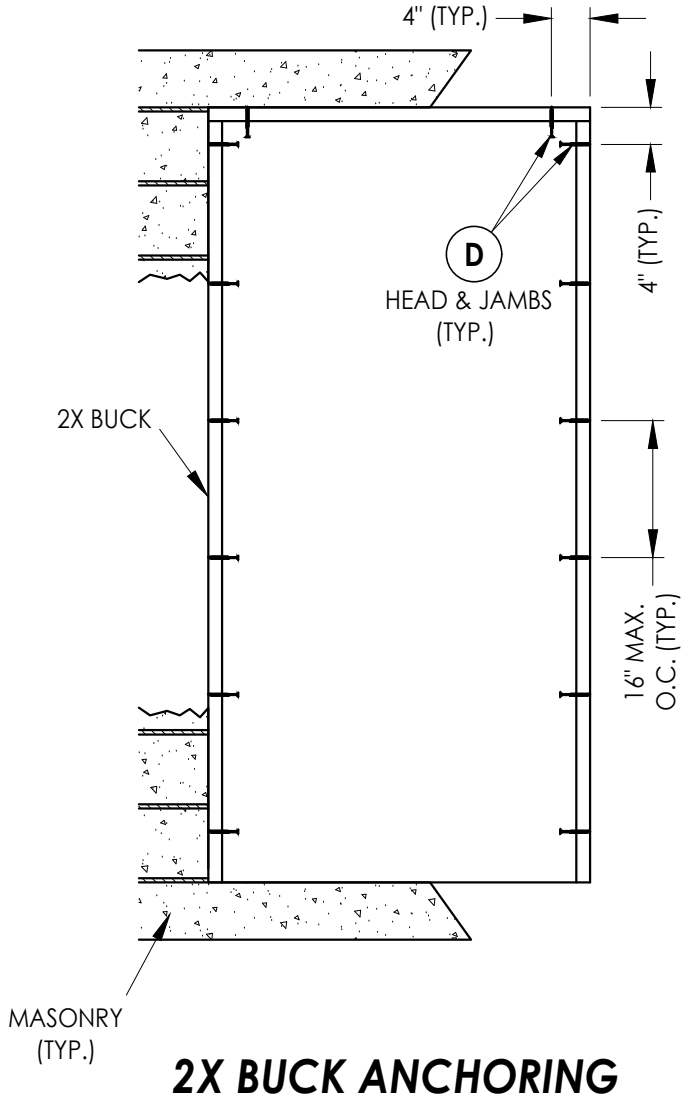
DWG. BY: JK

CHK. BY: LFS

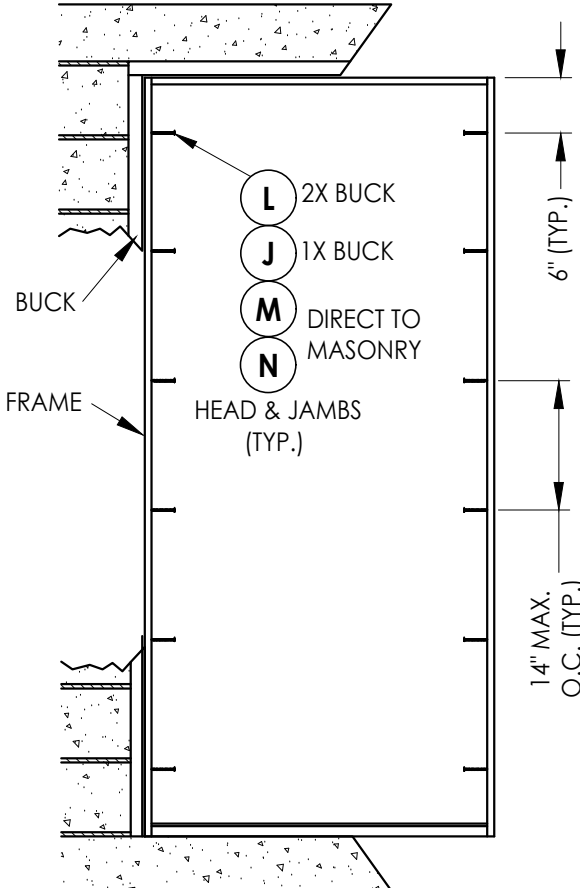
DRAWING NO.:

FL-23507.9

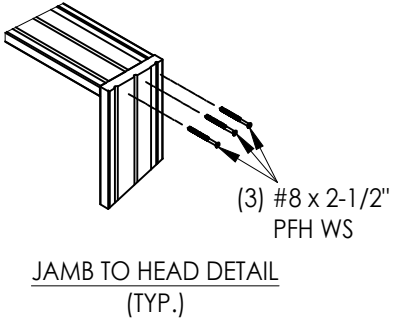
SHEET 8 OF 13



2X BUCK ANCHORING



FRAME ANCHORING

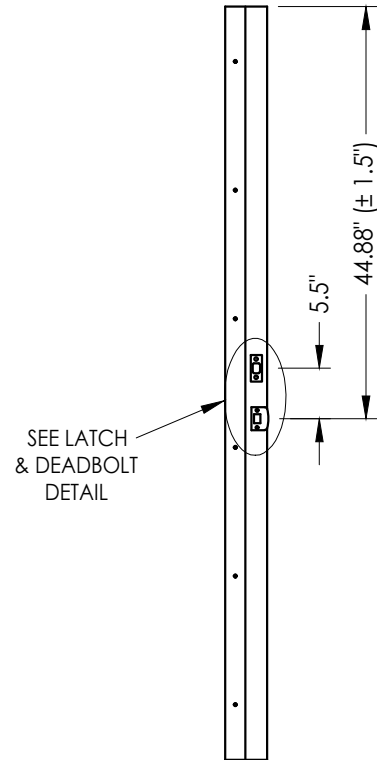
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PRODUCT: <u>THERMA-TRU STEEL DOOR</u>	PART OR ASSEMBLY: <u>BUCK & FRAME ANCHORING</u>
--	--

Documents Prepared By:
Lyndon F. Schmidt
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R^W
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

Diagram illustrating the installation of a window unit (labeled 28B) into a wall. The unit is shown with mounting brackets and is labeled 'DIRECT TO MASONRY'.



SEE HINGE
DETAIL (TYP.)

11.25" FROM TOP
OF JAMB

11.125" FROM TOP
OF JAMB

29.25" (TYP.)
BOOK DOOR

29.75" (TYP.)
U1/HYBRID DOOR

HINGE DETAIL

2X BUCK L

1X BUCK G

DIRECT TO MASONRY M

28A

SUB STRIKE PLATE

28

28A

22

25

27

DIRECT TO MASONRY M

LATCH & DEADBOLT DETAIL

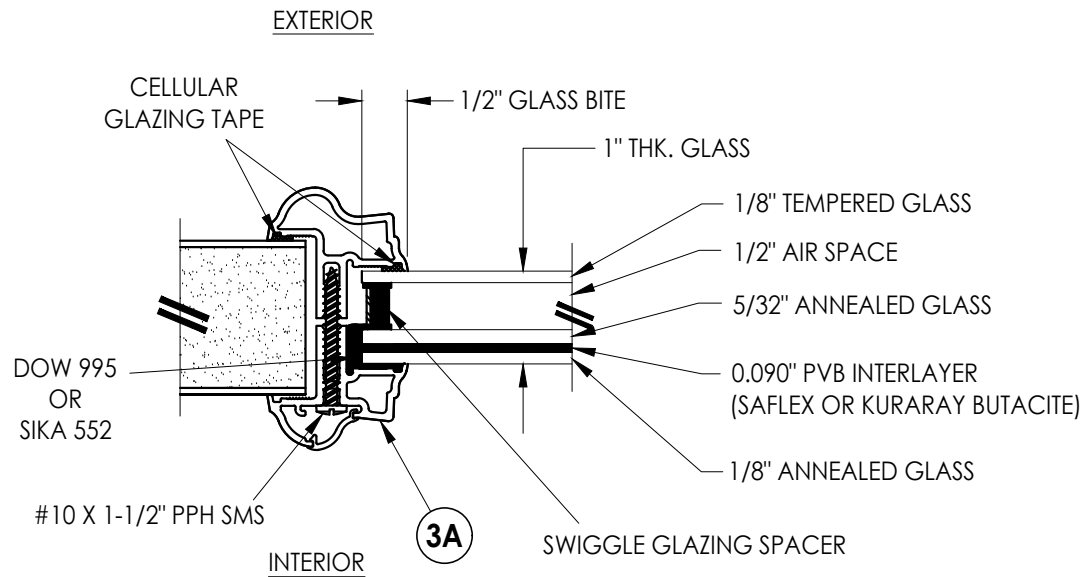
Schlage

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Lyndon F. Schmidt
P.E. No. 43409

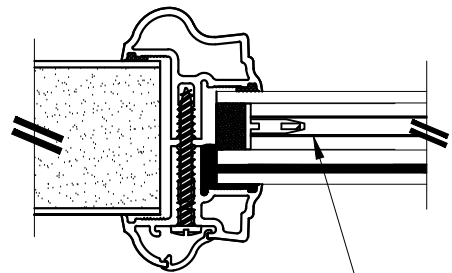
RW
BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:					
THERMA-TRU STEEL DOOR					
PART OR ASSEMBLY: HARDWARE DETAILS					
				LFS	
				FBC	
				(2023)	
				UPDATE TO 8TH ED.	
2	8/17/23			FBC	
1	7/15/20			UPDATE TO 7th ED.	
				(2020)	
				FBC	
NO.	DATE			BY	
REVISIONS					
DATE: 10/12/17					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-23507.9					
SHEET 10 OF 13					

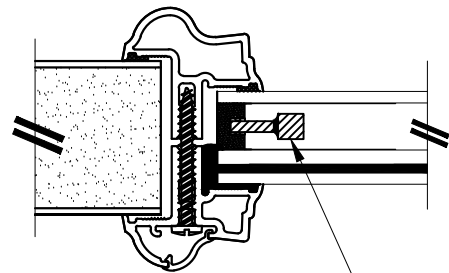
Z:\2023 FBC Drawings\Therma-Tru\FL-23507 R2\FL-23507.9-11.dwg



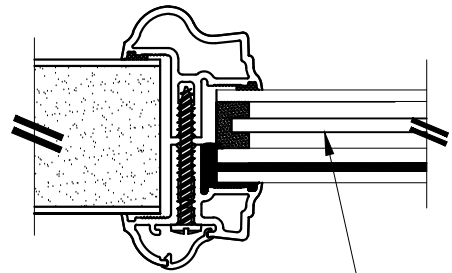
G1 GLAZING DETAIL
Aluminum Impact Lite Frame
Door Panels & Sidelites



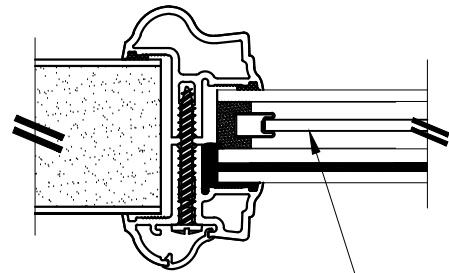
INTERNAL GRID (GBG)



WROUGHT IRON INSERT

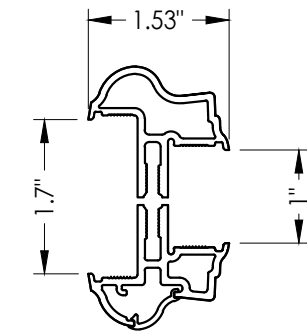


PRIVACY INSERT

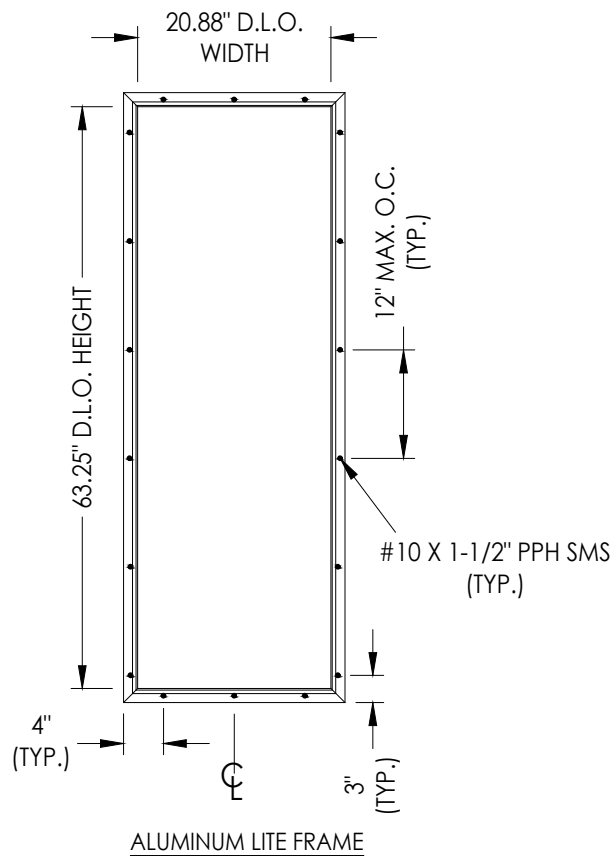


DECORATIVE INSERT

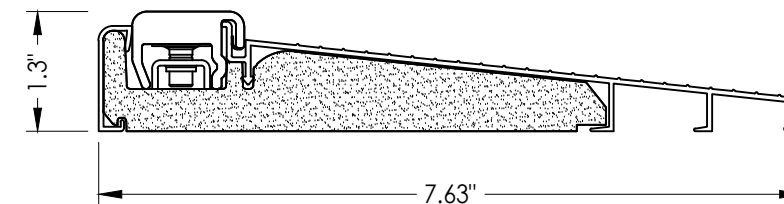
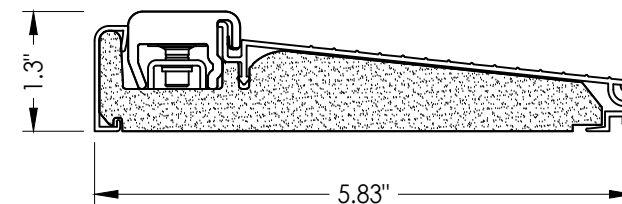
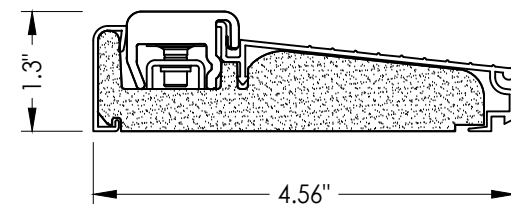
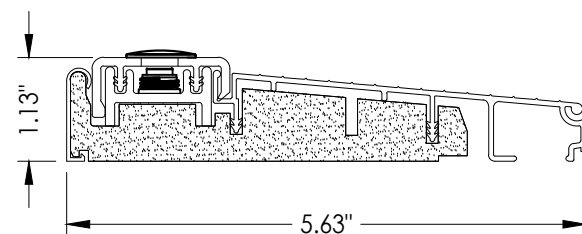
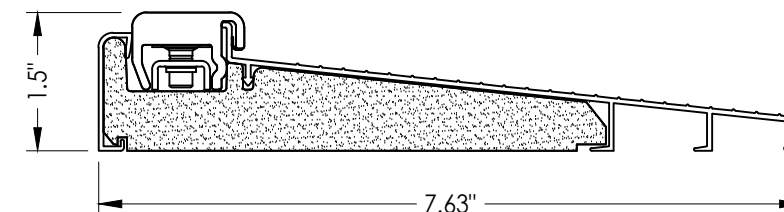
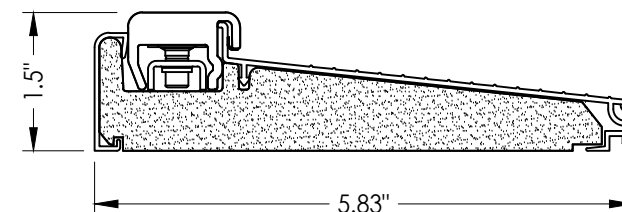
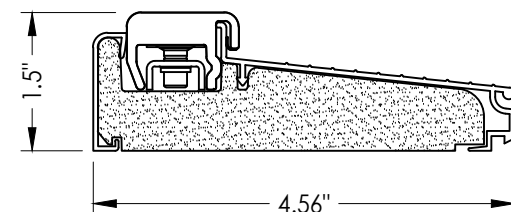
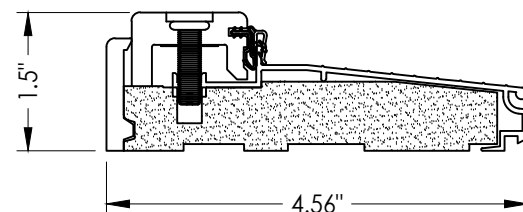
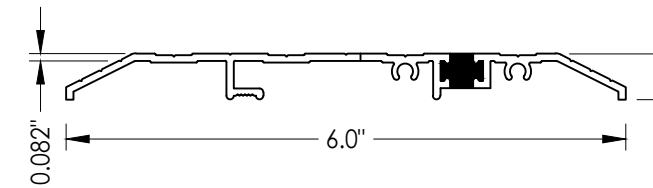
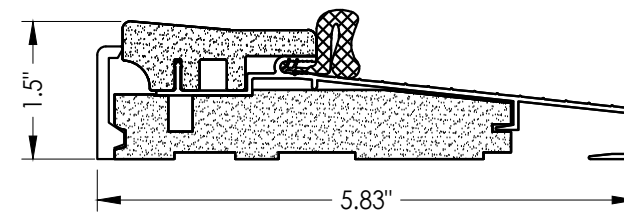
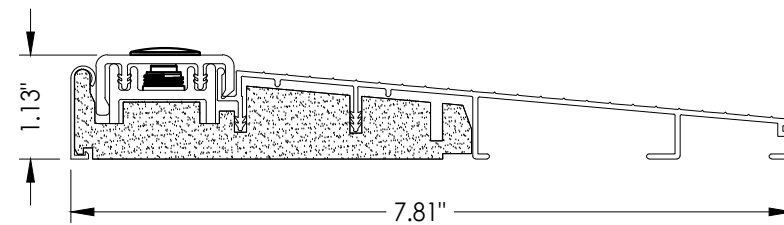
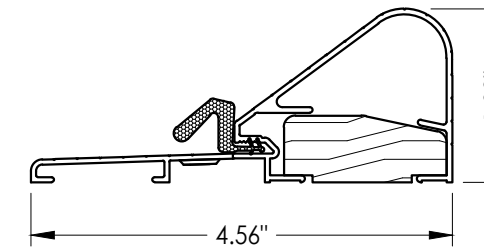
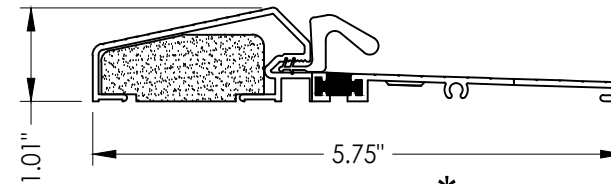
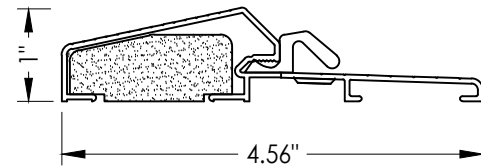
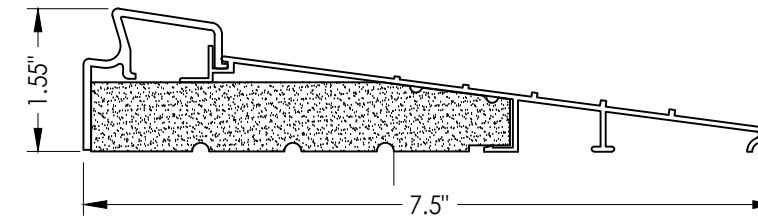
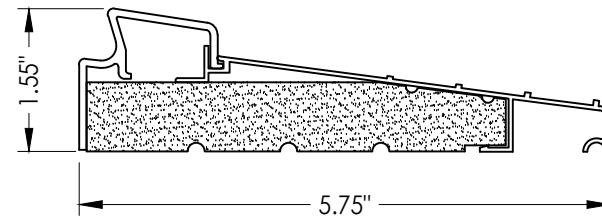
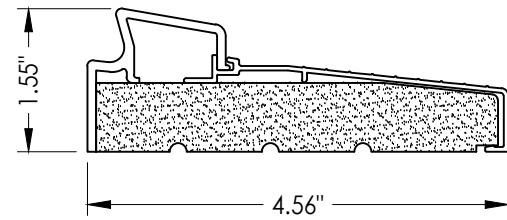
1" LAMINATED INSULATED IMPACT GLASS INSERT OPTIONS



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



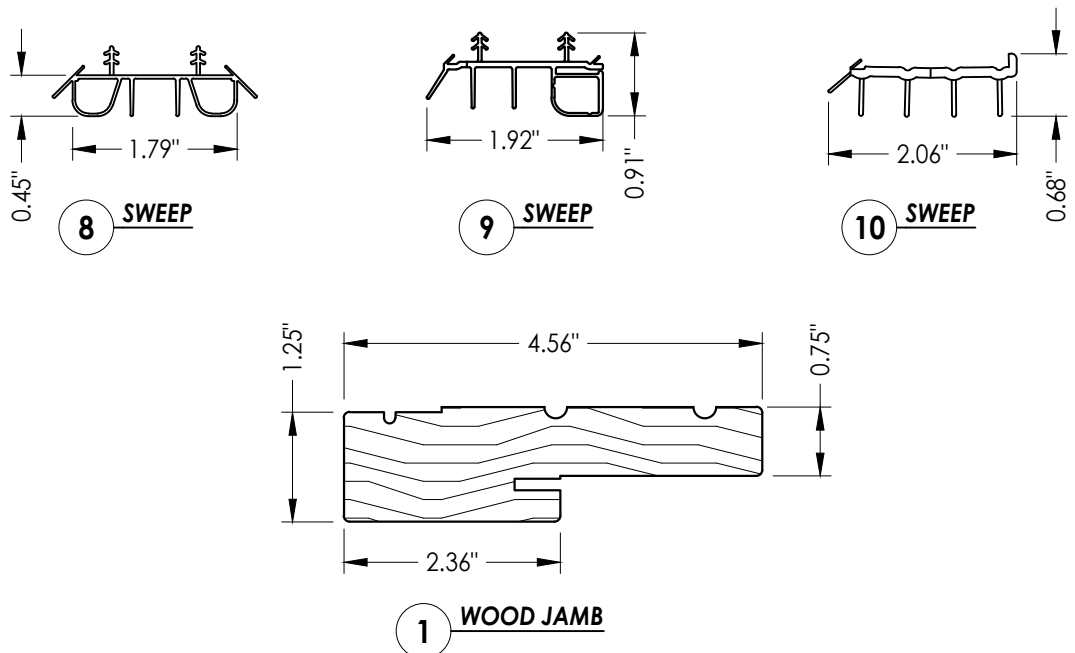
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
THERMA-TRU STEEL DOOR				GLAZING DETAILS			
PRODUCT:				PART OR ASSEMBLY:			
				LFS	FBC	BY	
				2	8/17/23	UPDATE TO 8TH ED. (2023)	
				1	7/15/20	UPDATE TO 7th ED (2020)	
				NO.	DATE		
				REVISIONS			
DATE: 10/12/17							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-23507.9							
SHEET 11 OF 13							

[illegible]

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

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 (STANDARD)	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
			28B	DEADBOLT STRIKE PLATE (SECURITY)	STEEL
G	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL	29	4" X 4" HINGE	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL	31	OUTSWING THRESHOLD	ALUM/COMP
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL	32	INSWING THRESHOLD	ALUM/COMP
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL	33	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	VINYL	41	DOOR PANEL (HYBRID) - "PROFILES" SERIES	-
10	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL	42	DOOR PANEL (U1) - "PROFILES" SERIES	-
15	PUBLIC ACCESS THRESHOLD	ALUM	43	INSWING THRESHOLD	ALUM/COMP
16	OUTSWING THRESHOLD	ALUM/COMP	44	INSWING THRESHOLD	ALUM/COMP
17	OUTSWING THRESHOLD	ALUM/COMP	45	INSWING THRESHOLD	ALUM/COMP
18	OUTSWING THRESHOLD	ALUM/COMP	46	INSWING THRESHOLD	ALUM/COMP
22	#8 x 3/4" PFH WOOD SCREW	STEEL	47	INSWING THRESHOLD	ALUM/COMP
23	#10 x 3/4" PFH WOOD SCREW	STEEL	48	INSWING THRESHOLD	ALUM/COMP
24	#10 x 1" PFH WOOD SCREW	STEEL	60	DOOR PANEL (BOOK) - "TRADITIONS" SERIES	-
			61	DOOR PANEL (HYBRID) - "TRADITIONS" SERIES	-
			62	DOOR PANEL (U1) - "TRADITIONS" SERIES	-



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.

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
STEEI DOOR

PART OR ASSEMBLY:

COMPONENTS & BILL OF MATERIALS

REVISIONS

DATE: 10/12/17

SCALE: *N.T.S.*

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-23507.9

SHEET 13 OF 13