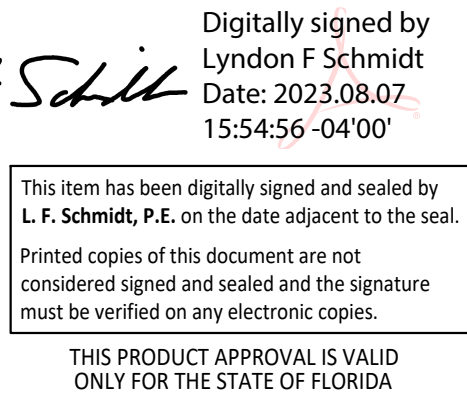
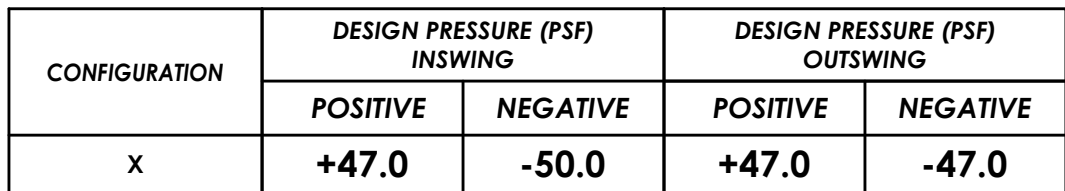


GENERAL NOTES

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|-------------------|--|
| SHEET# | DESCRIPTION |
| 1 | Typical Elevations, Design Pressures & General Notes |
| 2 | Door Panel Details |
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| 4 | Horizontal & Vertical Cross Sections (2X Buck) |
| 5 | Horizontal & Vertical Cross Sections (1X Buck) |
| 6 | Horizontal & Vertical Cross Sections (Direct to Masonry) |
| 7 | Vertical Cross Sections (Thresholds) |
| 8 | Buck & Frame Anchoring |
| 9 | Hardware Details |
| 10 | Glazing Details |
| 11 | Components |
| 12 | Components & Bill of Materials |



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1.68"

TOP RAIL (WOOD)

FOAM CORE

G1

INTERIOR

EXTERIOR

STEEL DOOR SKIN

BOTTOM RAIL (COMP.)

0.88"

0.83"

2 VERTICAL CROSS SECTION

STEEL DOOR SKIN: 24 GA. (0.022" MIN. THICKNESS, $F_y = 48,470$ PSI MIN.)
FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)

PRODUCT:	THERMA-TRU STEEL DOOR
PART OR ASSEMBLY:	"TRADITIONS" DOOR PANEL DETAILS

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				

DATE: 10/12/17

SCALE: N.T.S.

DWG. BY: JK

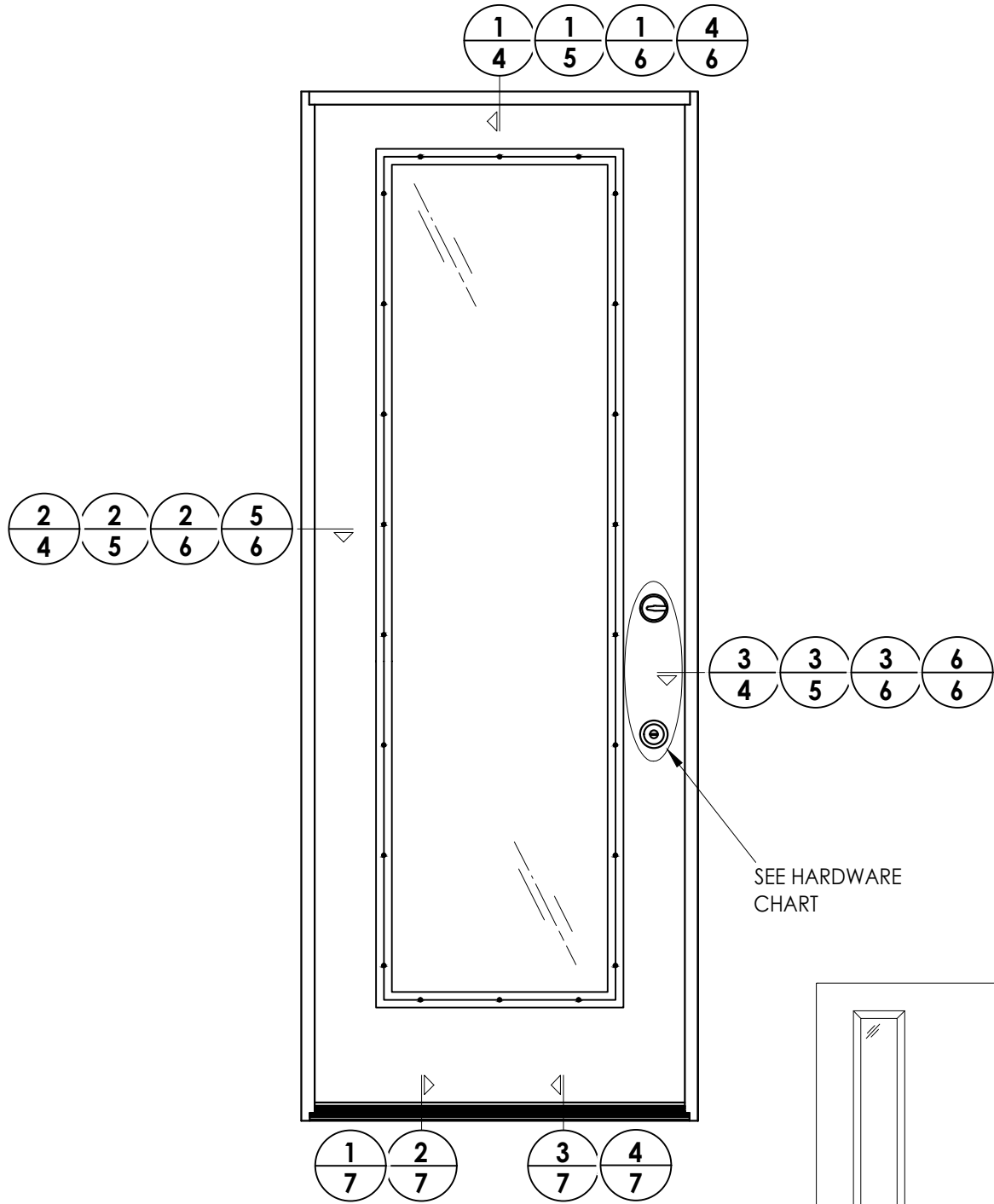
CHK. BY: *LFS*

DRAWING NO.:

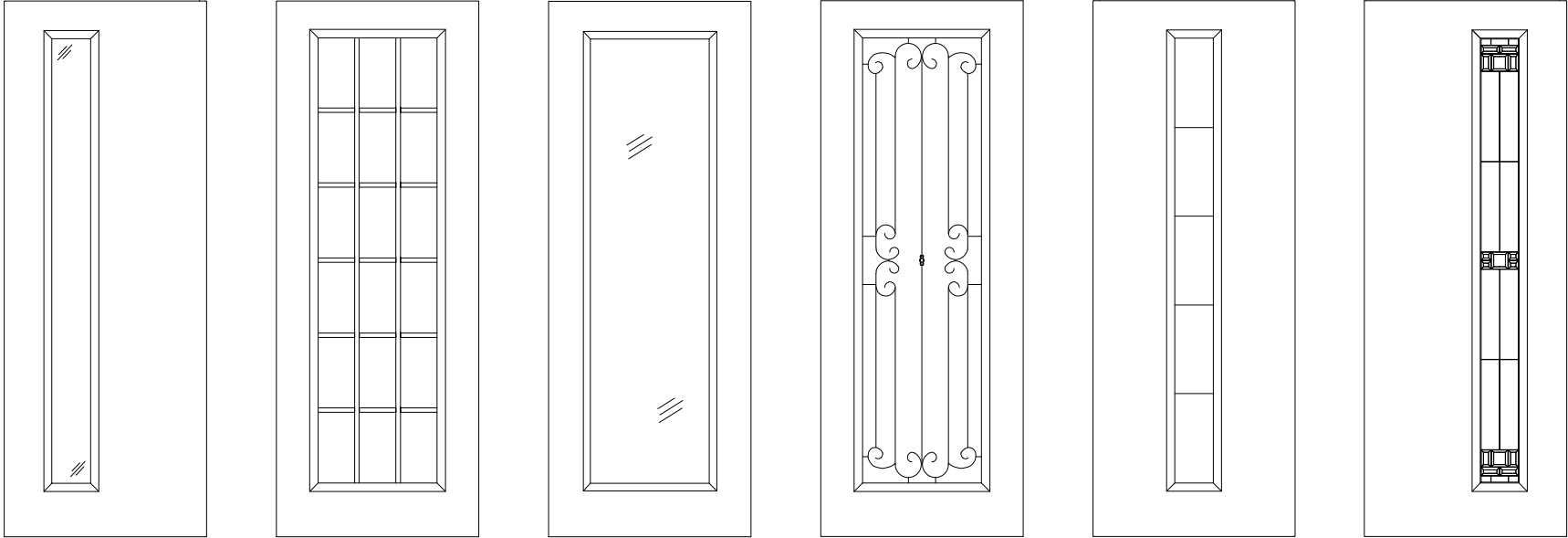
FL-21132.12

SHEET 2 OF 12

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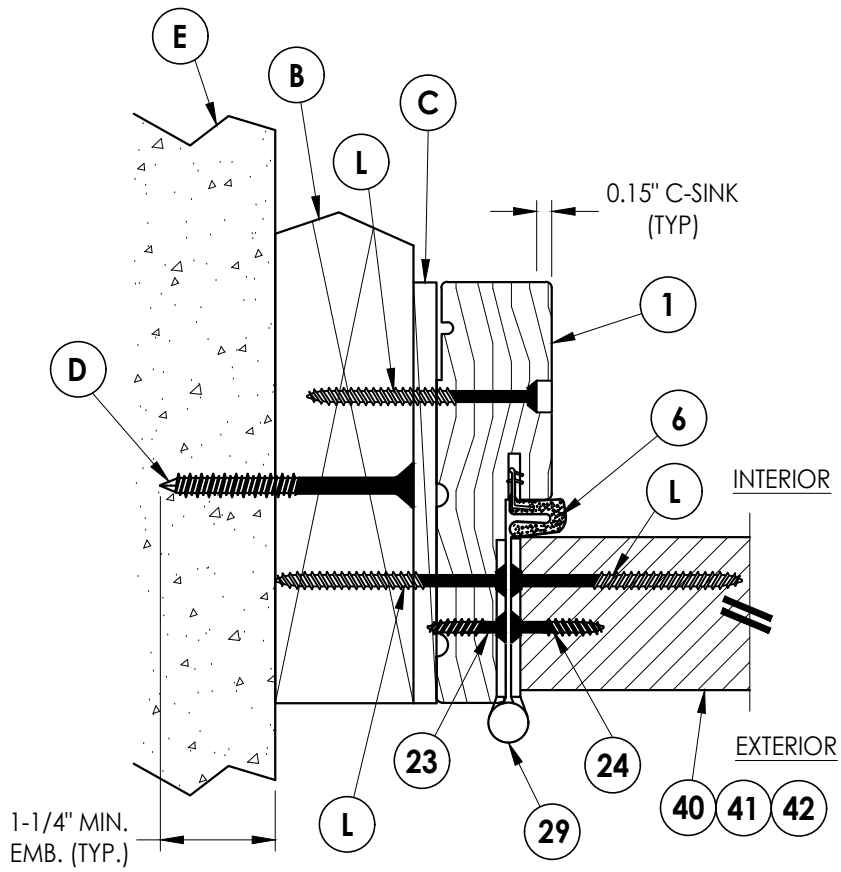
HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	Knob:	F51
	Deadbolt:	B60
KWIKSET	Knob:	SIGNATURE SERIES
	Deadbolt:	SIGNATURE SERIES (980)



Traditions Door Panel Options

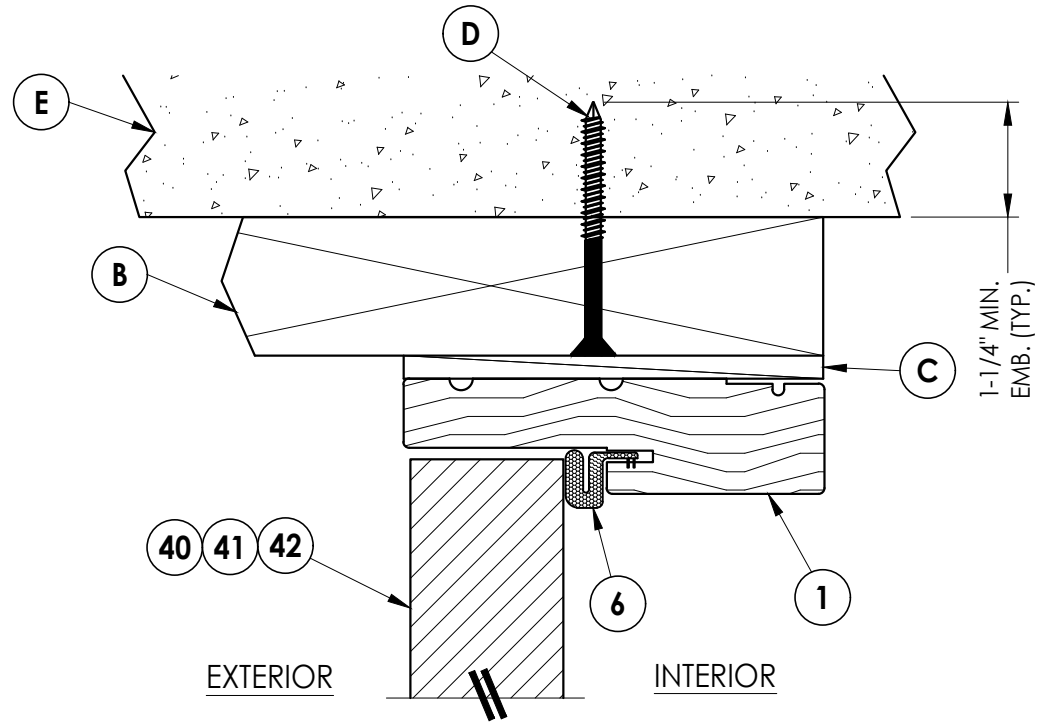
Panel options shown are for illustration and are representative only
(similar glazed panel configurations are allowed)

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: ELEVATIONS	
		REVISIONS	
		NO.	DATE
		2	8/07/23
		1	7/20/20
		UPDATE TO 8TH ED. (2023)	FBC
		UPDATE TO 7th ED (2020)	FBC
		BY	
DATE: 10/12/17			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-21132.12			
SHEET 3 of 12			

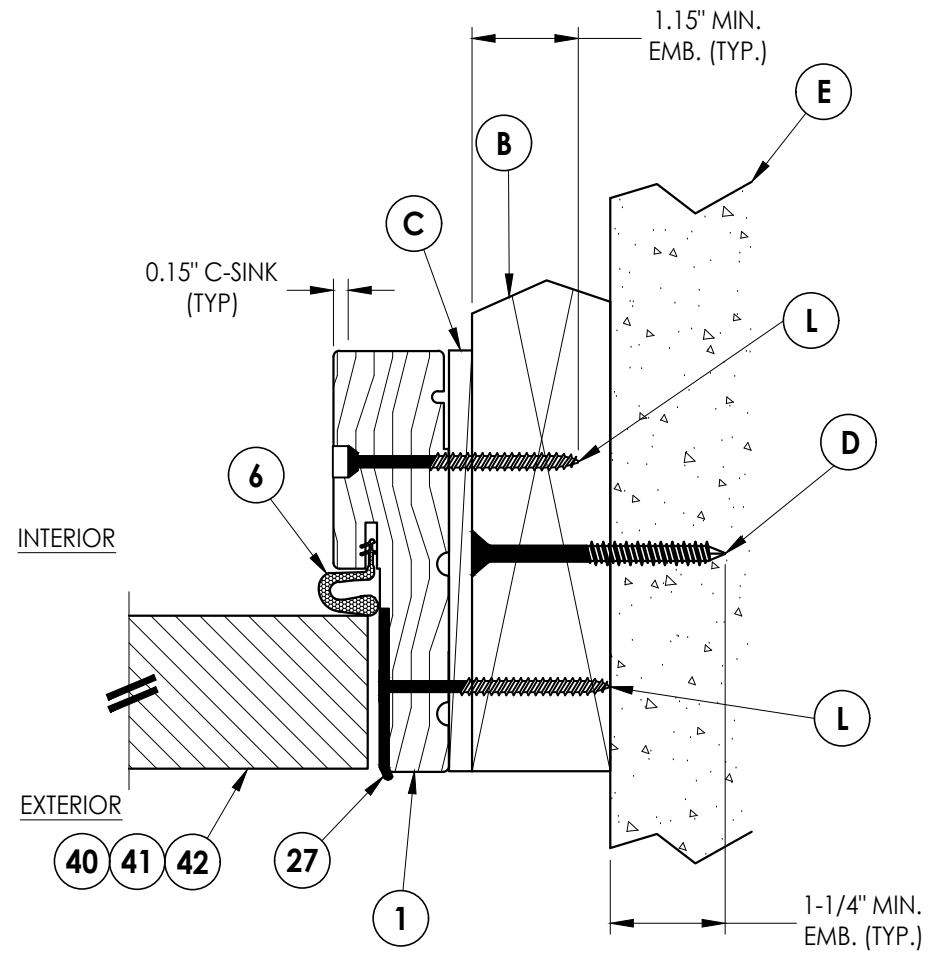


2 HORIZONTAL CROSS SECTION

4 Shown w/ 2X Buck Outswing shown (Inswing similar)



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



3 **HORIZONTAL CROSS SECTION**

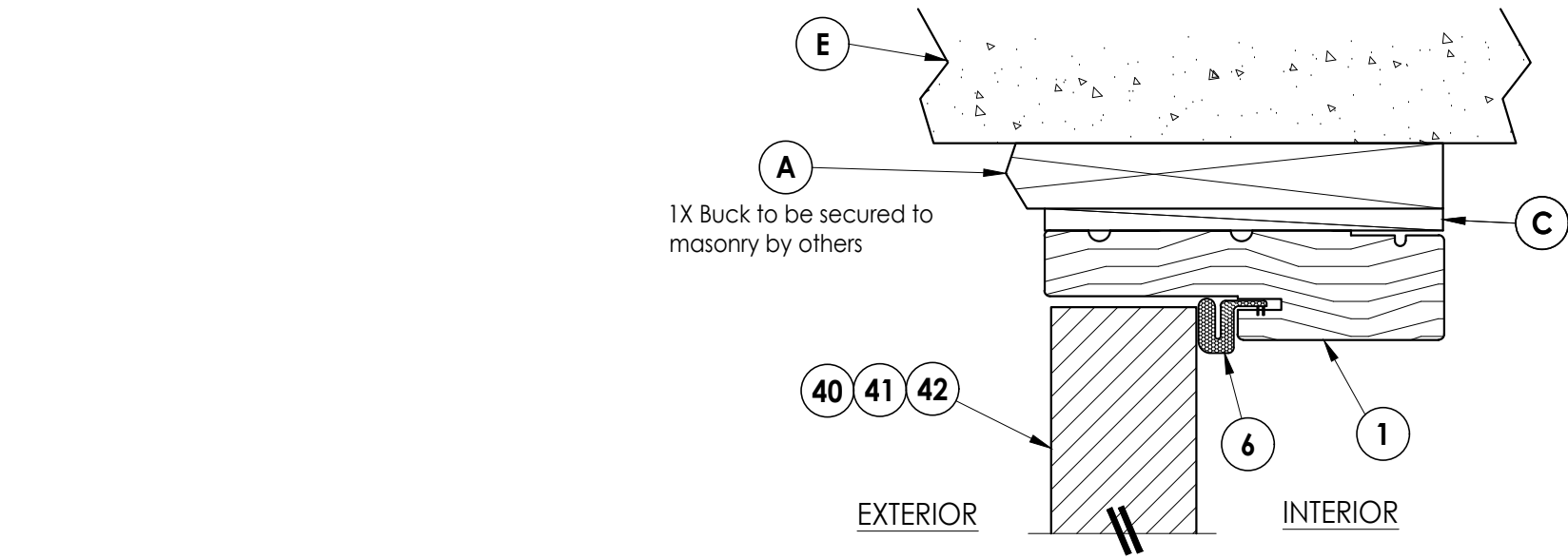
4 Shown w/ 2X Buck
Outswing shown (Inswing similar)

[illegible]

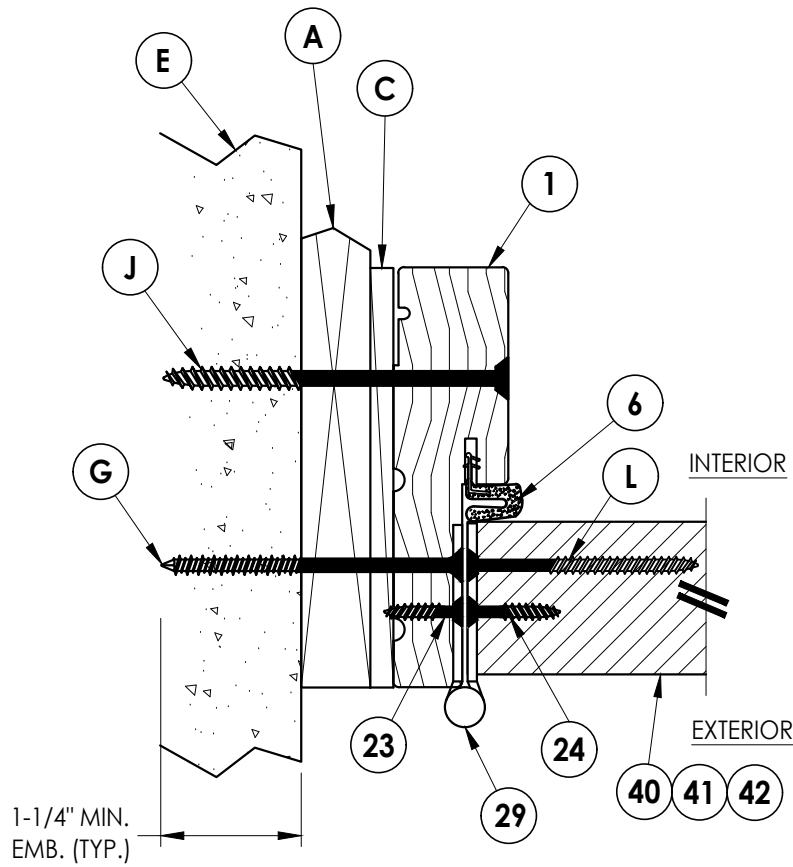
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

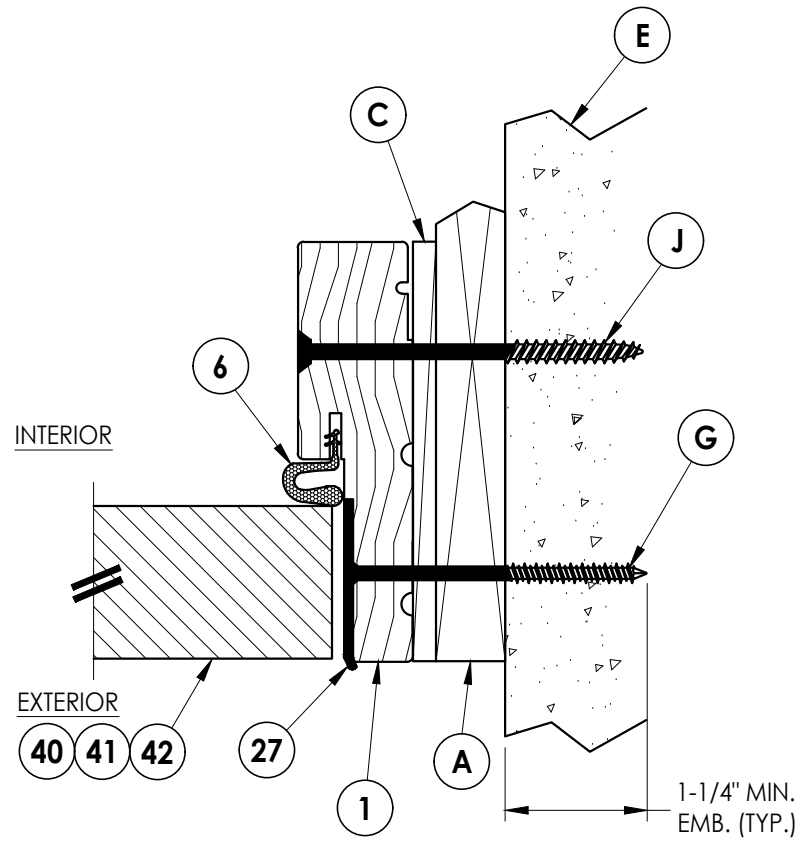
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1
5 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



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

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

PRODUCT:
THERMA-TRU
STEEL DOOR

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

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

DATE: 10/12/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-21132.12

SHEET 5 OF 12

1. Sill Item #'s 16, 32, 33, 36, 37, 38, 39, 43, 44, 45, 46, 47 and 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 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.

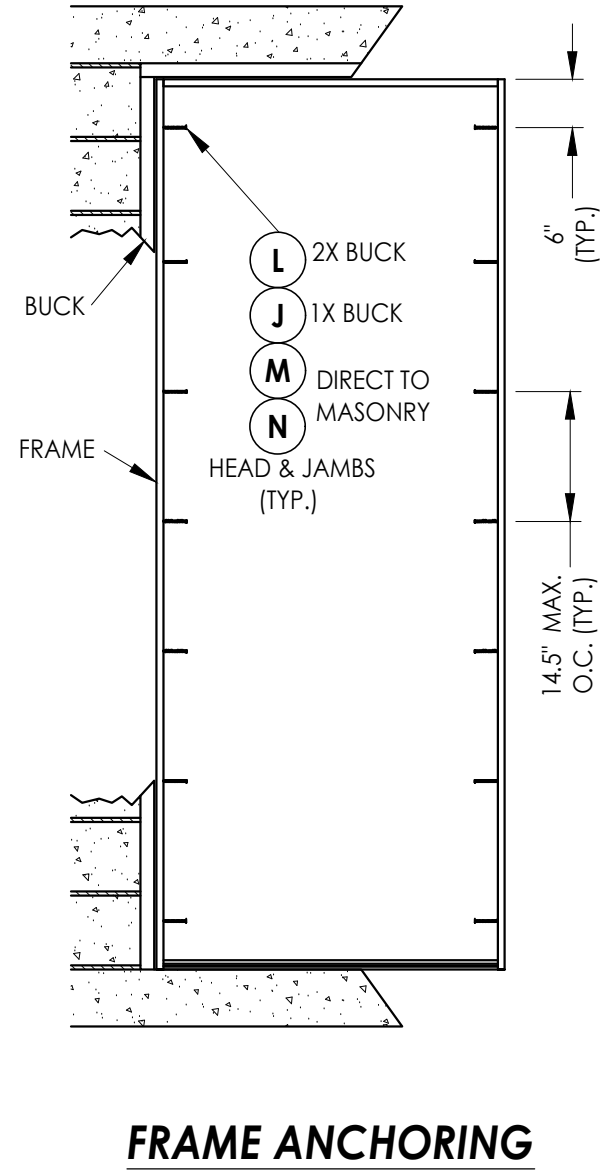


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Phone No.: 813.659.9197
FBPE Registry No. 9813

OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)

[illegible]

DATE:	10/12/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-21132.12
SHEET	7 OF 12



FRAME ANCHORING

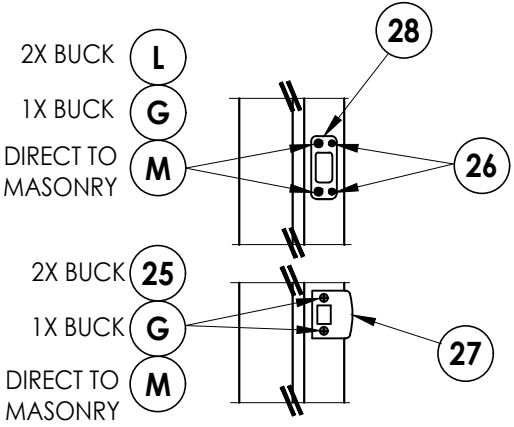
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1	7/20/20	UPDATE TO 7th ED (2020)	FBC	LFS					
NO.	DATE			BY					
				REVISIONS					
DATE: 10/12/17									
SCALE: N.T.S.									
DWG. BY: JK									
CHK. BY: LFS									
DRAWING NO.: FL-21132.12									
SHEET 8 OF 12									

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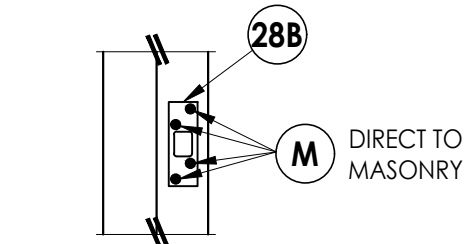
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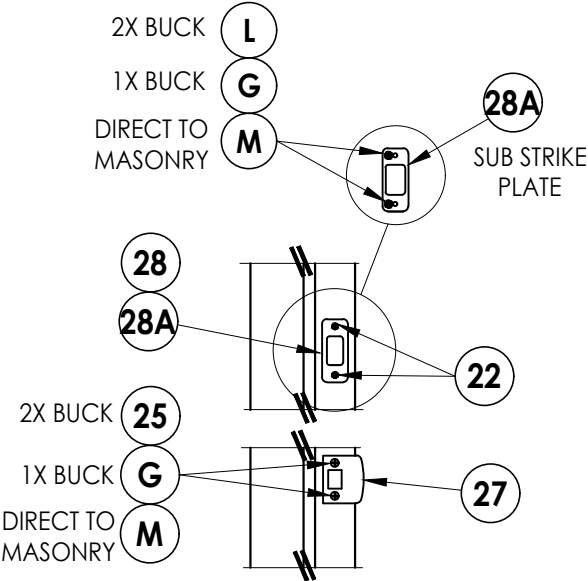


LATCH & DEADBOLT DETAIL

Kwikset

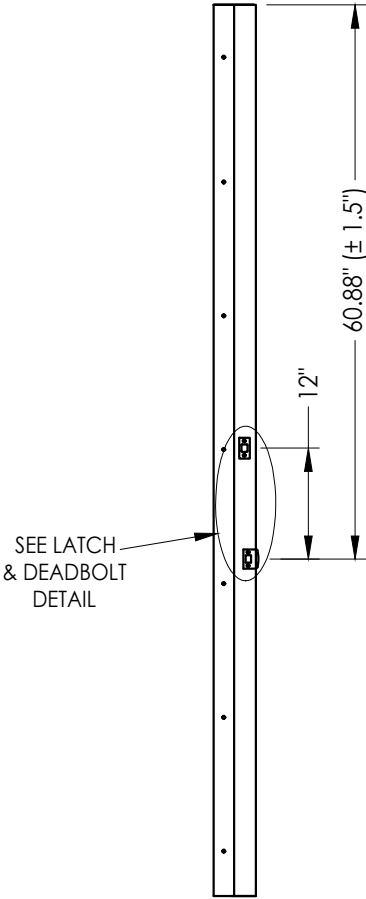


DEADBOLT STRIKE DETAILS
(Security Deadbolt Strike Plate)

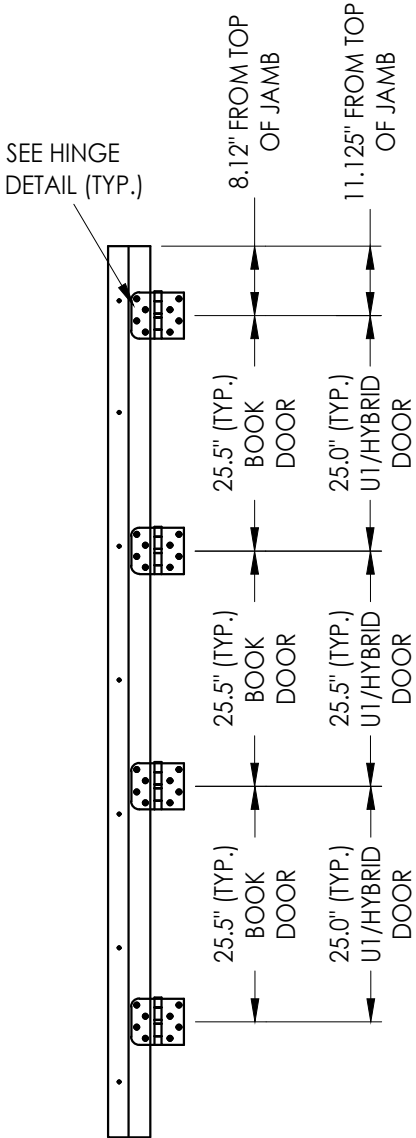


LATCH & DEADBOLT DETAIL

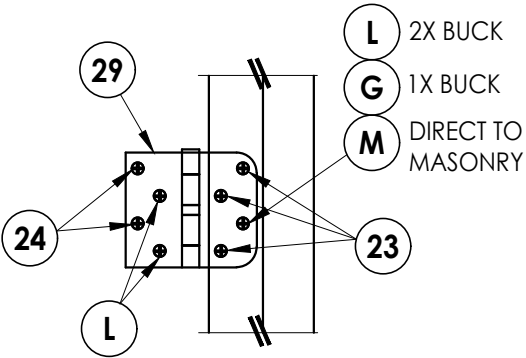
Schlage



STRIKE JAMB
Latch and Deadbolt



HINGE JAMB

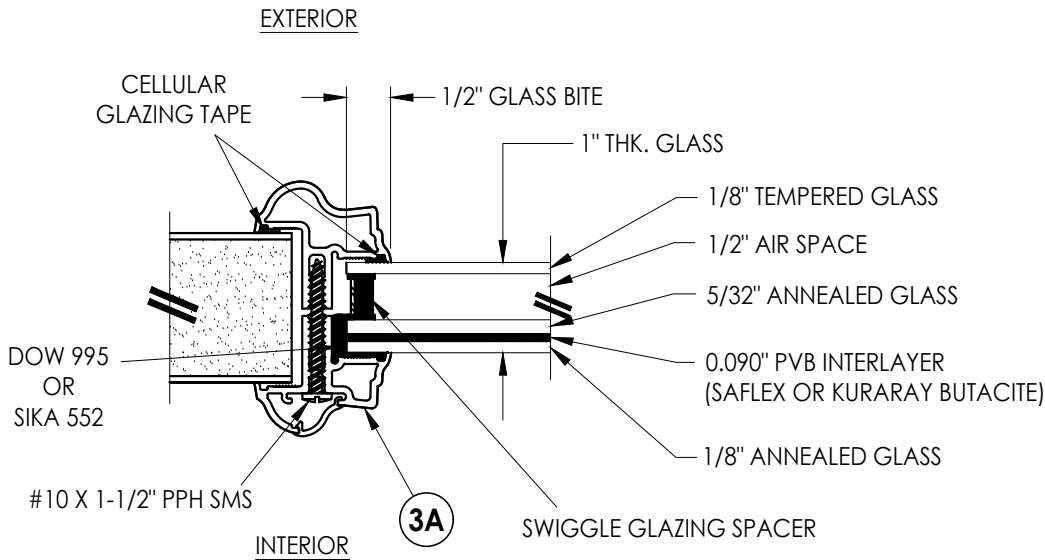


HINGE DETAIL

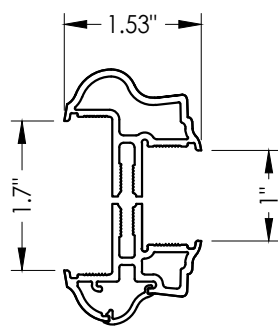
LATCH & DEADBOLT STRIKE DETAILS

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PRODUCT: THERMA-TRU STEEL DOOR				PART OR ASSEMBLY: HARDWARE DETAILS			
				LFS	FBC	2	8/07/23
				LFS	FBC	1	7/20/20
				NO.	DATE		
				REVISIONS			
DATE: 10/12/17							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-21132.12							
SHEET 9 OF 12							

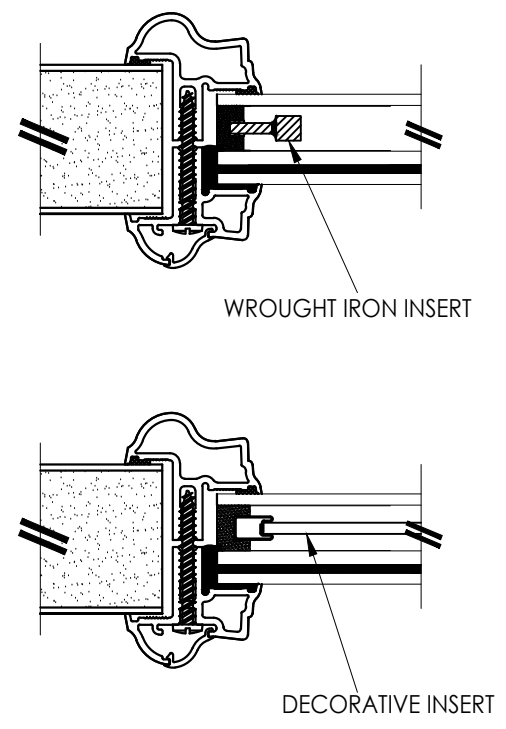
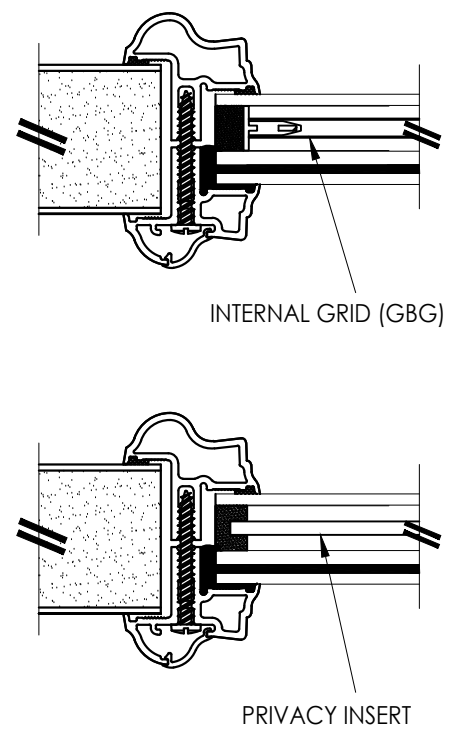
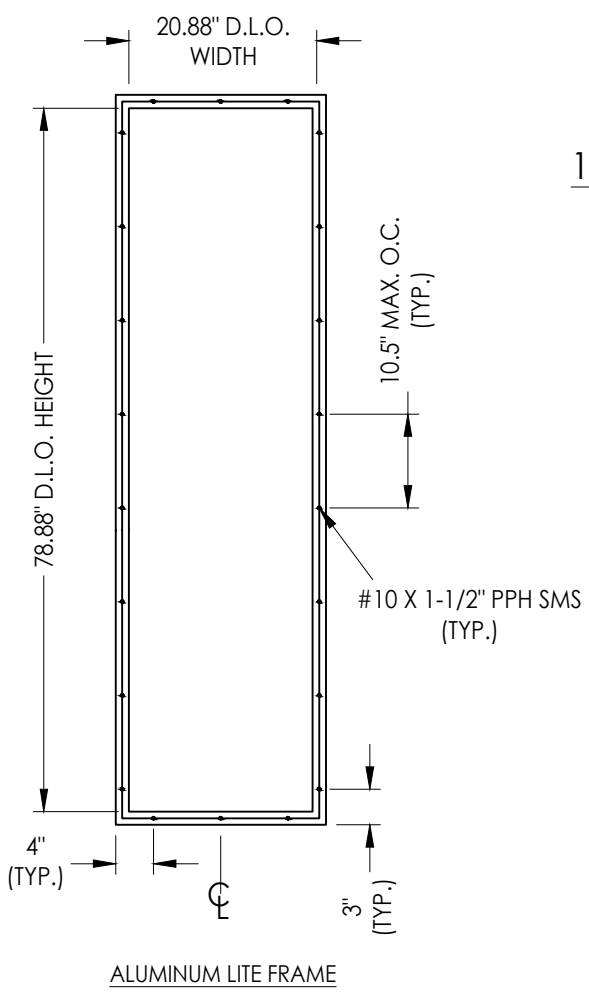
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G1 GLAZING DETAIL
Aluminum Impact Lite Frame
Door Panels & Sidelites

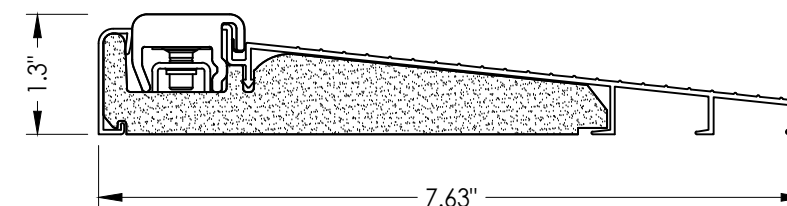
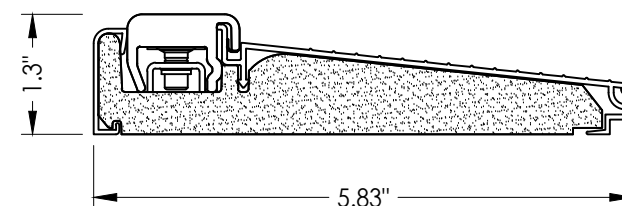
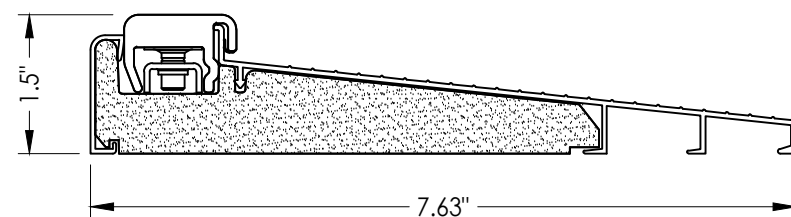
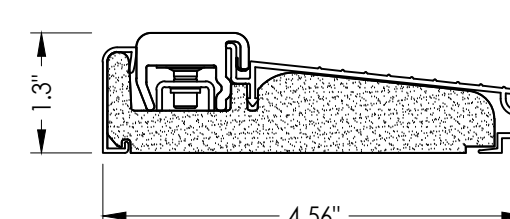
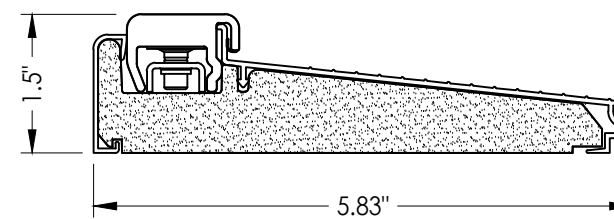
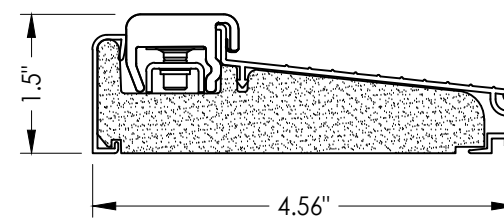
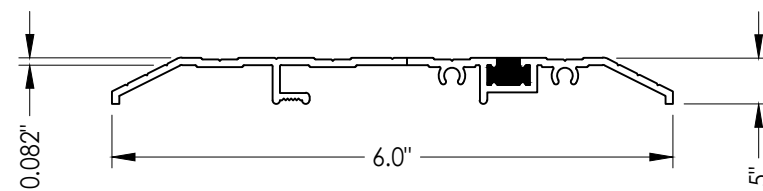
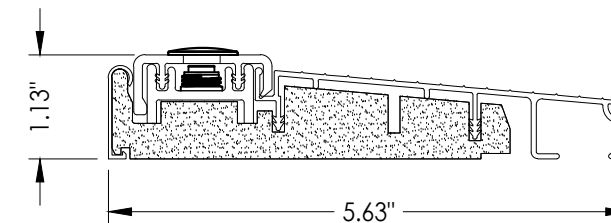
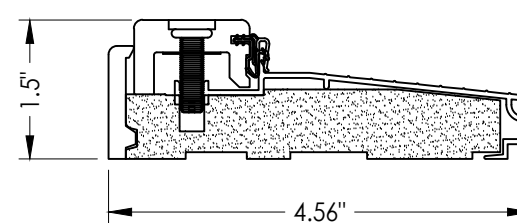
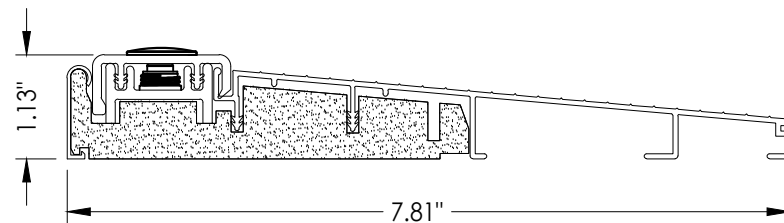
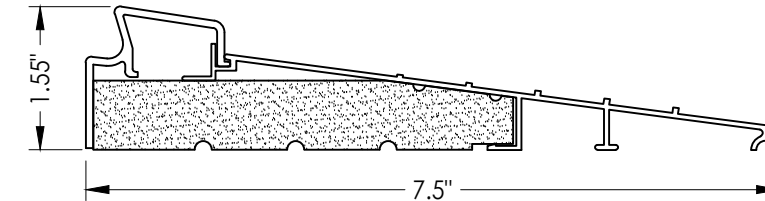
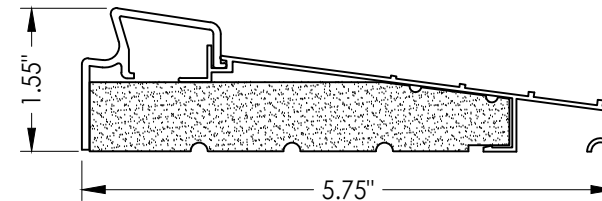
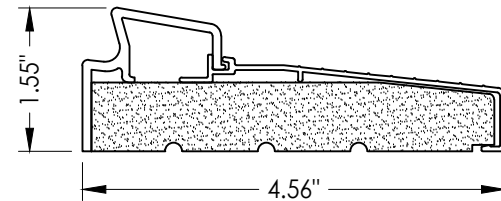
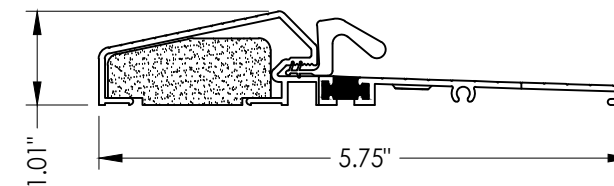
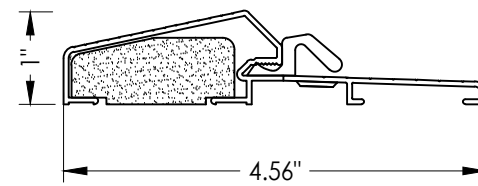
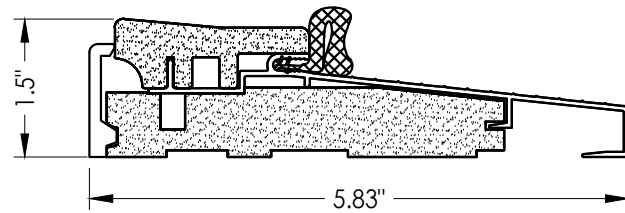


3A ALUMINUM FRAME
Aluminum Impact Lite Frame
Door Panels & Sidelites



1" LAMINATED INSULATED IMPACT GLASS INSERT OPTIONS

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: GLAZING DETAILS			
				LFS	FBC	BY	
				2	8/07/23	UPDATE TO 8TH ED. (2023)	
				1	7/20/20	UPDATE TO 7th ED (2020)	
				NO.	DATE	REVISIONS	
DATE: 8/02/16							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-21132.12							
SHEET 10 OF 12							



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

DATE: 10/12/17		PRODUCT: THERMA-TRU STEEL DOOR		
SCALE: N.T.S.				
DWG. BY: JK				
CHK. BY: LFS				
DRAWING NO.: FL-21132.12				
SHEET 11 OF 12		PART OR ASSEMBLY: COMPONENTS		
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

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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 (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	32	INSWING THRESHOLD	ALUM/COMP
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL	33	INSWING THRESHOLD	ALUM/COMP
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL	36	INSWING THRESHOLD	ALUM/COMP
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL	37	INSWING THRESHOLD	ALUM/COMP
1	JAMB (FINGER JOINT PINE)	WOOD	38	INSWING THRESHOLD	ALUM/COMP
2	JAMB (FINGER JOINT PINE)	WOOD	39	INSWING THRESHOLD	ALUM/COMP
6	WEATHERSTRIP (MEDIUM REACH)	FOAM	40	DOOR PANEL (BOOK) -"TRADITIONS"	-
7	WEATHERSTRIP (LONG REACH)	FOAM	41	DOOR PANEL (HYBRID) -"TRADITIONS"	-
8	SWEEP	VINYL	42	DOOR PANEL (U1) -"TRADITIONS"	-
9	SWEEP (USE w/ MODERATE CLIMATE THRESHOLD)	VINYL	43	INSWING THRESHOLD	ALUM/COMP
10	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL	44	INSWING THRESHOLD	ALUM/COMP
15	PUBLIC ACCESS THRESHOLD	ALUM	45	INSWING THRESHOLD	ALUM/COMP
16	OUTSWING THRESHOLD	ALUM/COMP	46	INSWING THRESHOLD	ALUM/COMP
17	OUTSWING THRESHOLD	ALUM/COMP	47	INSWING THRESHOLD	ALUM/COMP
18	OUTSWING THRESHOLD	ALUM/COMP	48	INSWING 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			

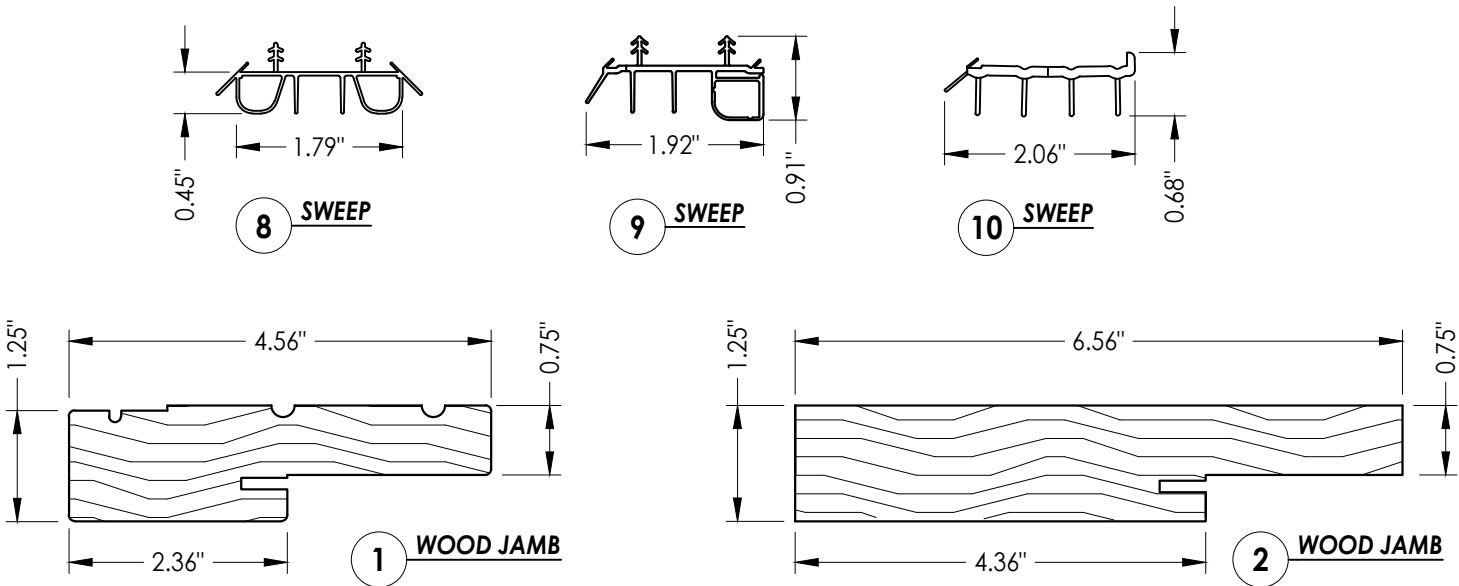
CONCRETE ANCHOR NOTES:

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

PRODUCT:
THERMA-TRU
STEEL DOOR

PART OR ASSEMBLY:
COMPONENTS &
BILL OF MATERIALS

28/07/23
UPDATE TO 8TH ED. (2023) FBC

17/20/20
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-21132.12

SHEET 12 OF 12

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FBPE Registry No. 9813

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