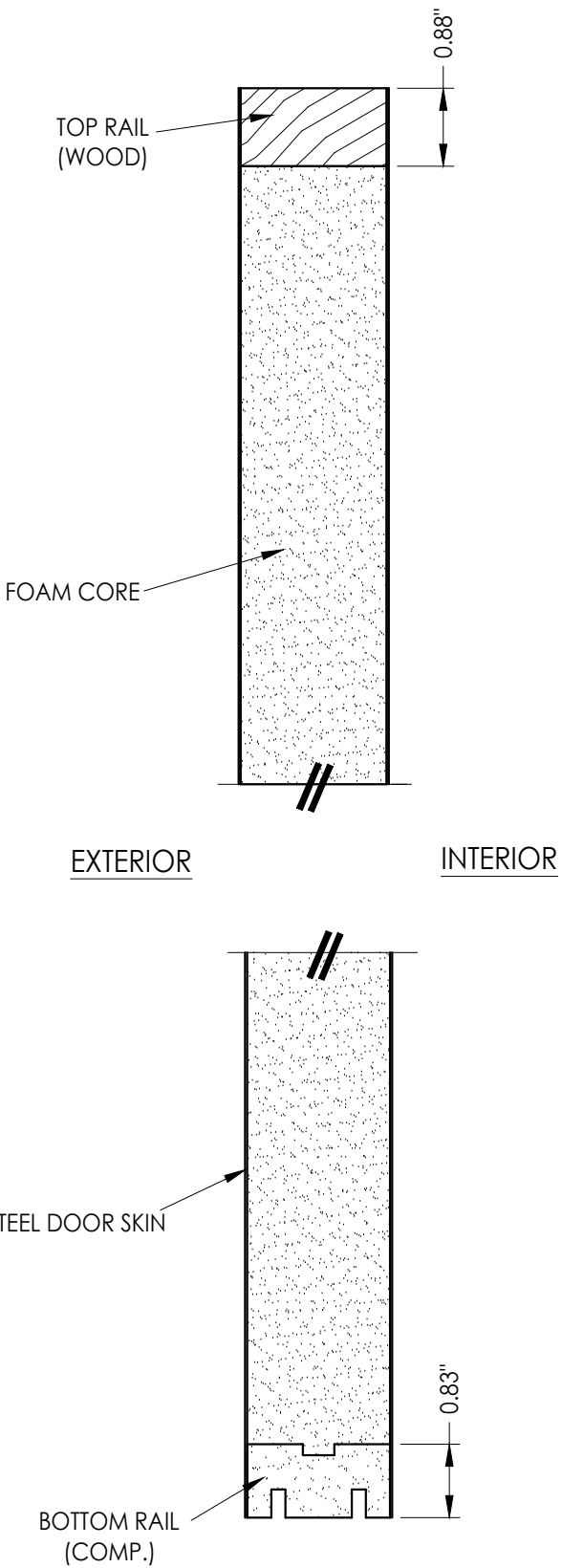


STEEL DOOR SKIN: 24 GA. (0.022" MIN. THICKNESS, $F_y = 48,470$ PSI MIN.)
FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)



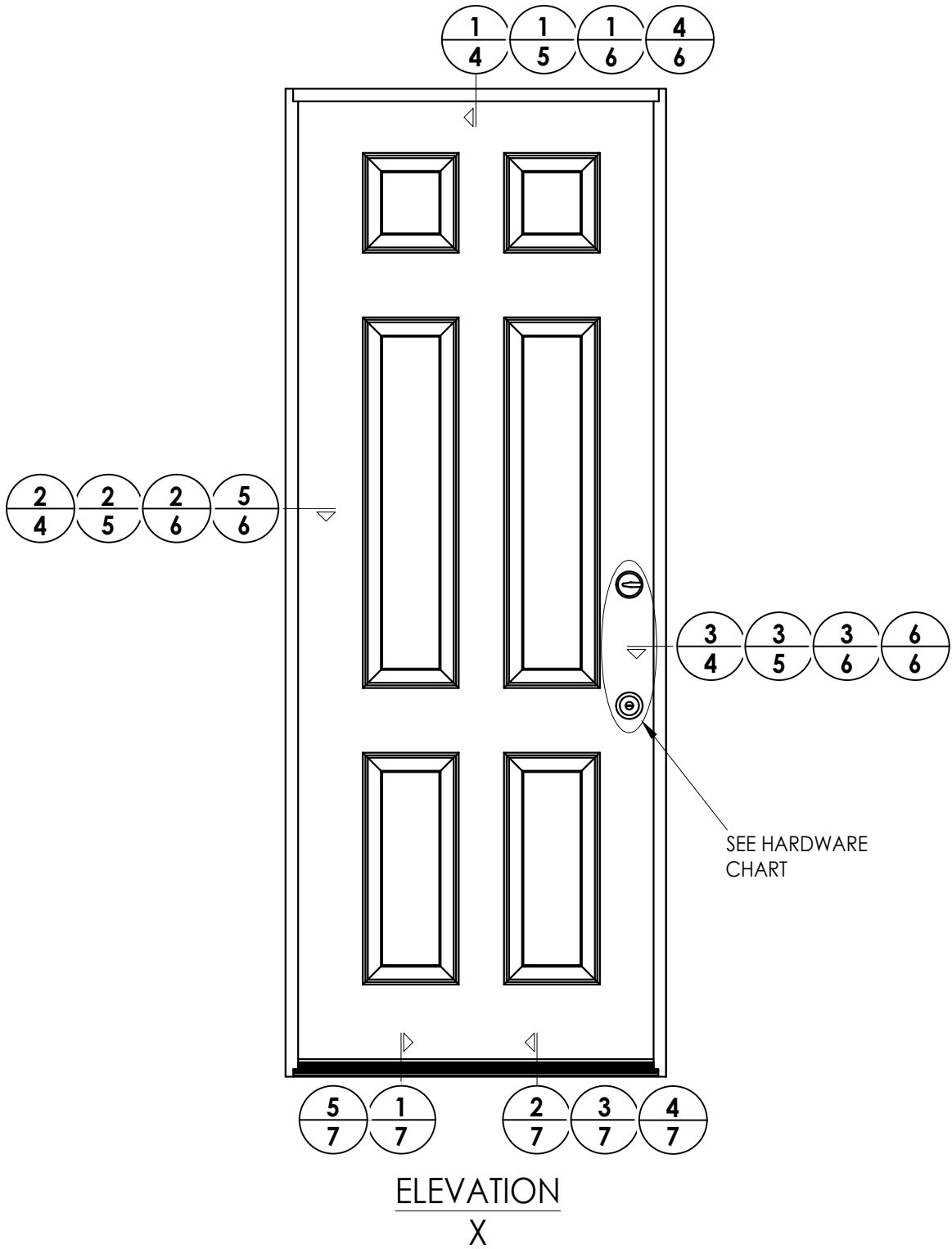
2 **VERTICAL CROSS SECTION**

[illegible]

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

R²W
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-23507 R2\FL-23507.6-8.dwg



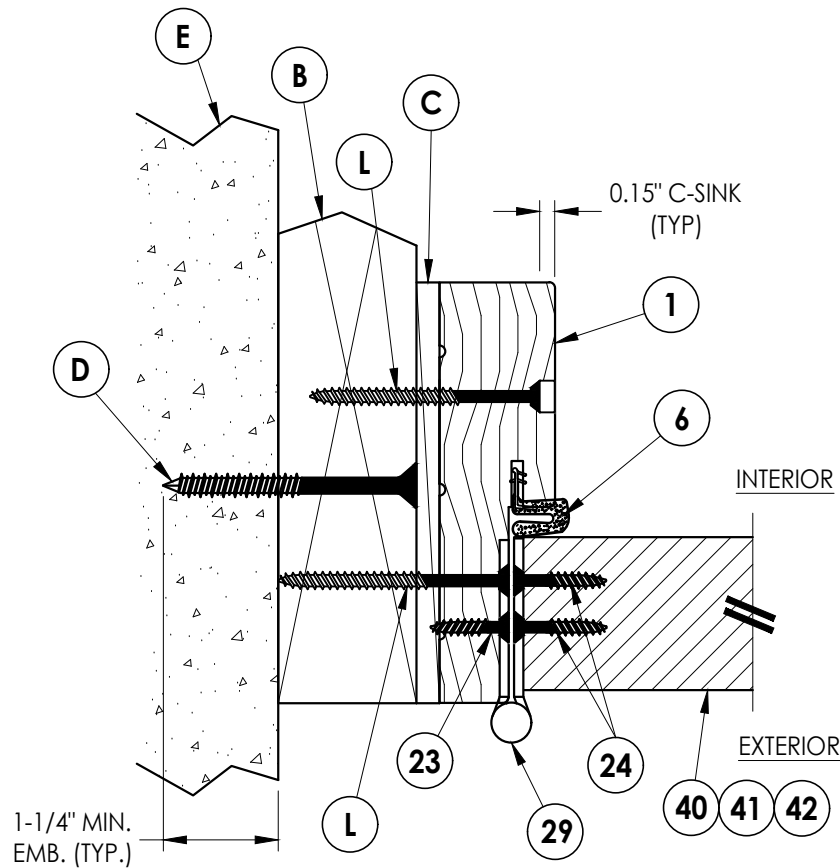
HARDWARE TABLE		
MANUFACTURER	MODEL	
SCHLAGE	KNOB:	F51
	DEADBOLT:	B60
KWIKSET	KNOB:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)

"TRADITIONS" Door Panel Options

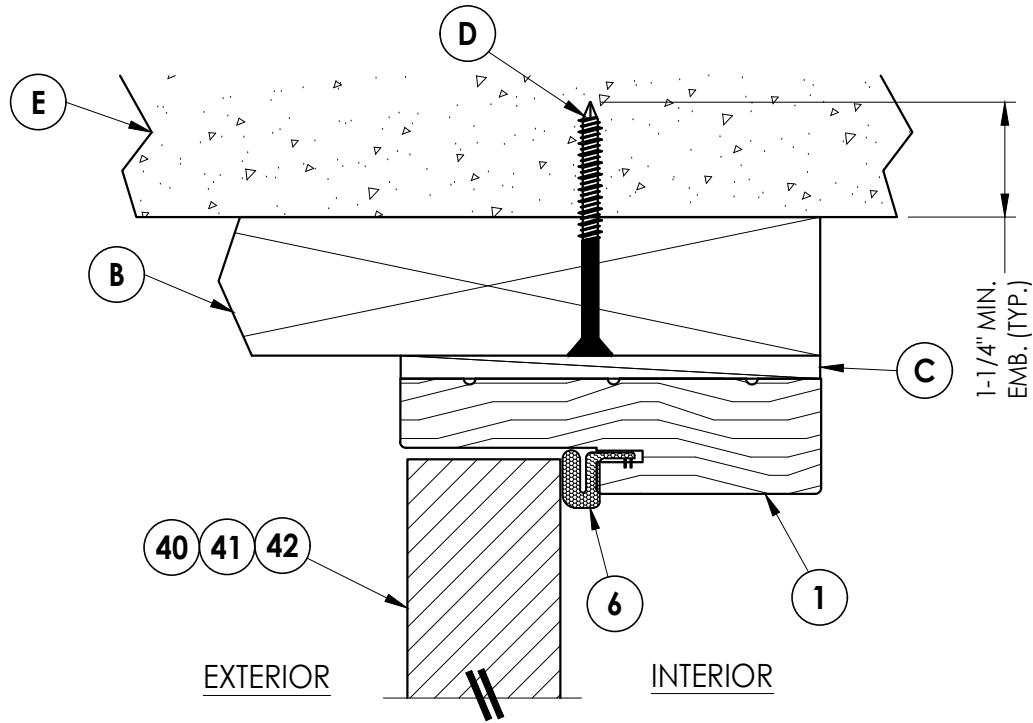
Panel options shown are for illustration and are representative only
(similar opaque panel configurations are allowed)

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			
				LFS	FBC	NO.	DATE
				UPDATE TO 8TH ED. (2023)	FBC	PO	BY
				UPDATE TO 7th ED (2020)	FBC		
				NO.	DATE		
DATE: 10/12/17				REVISIONS			
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-23507.6							
SHEET 3 of 11							

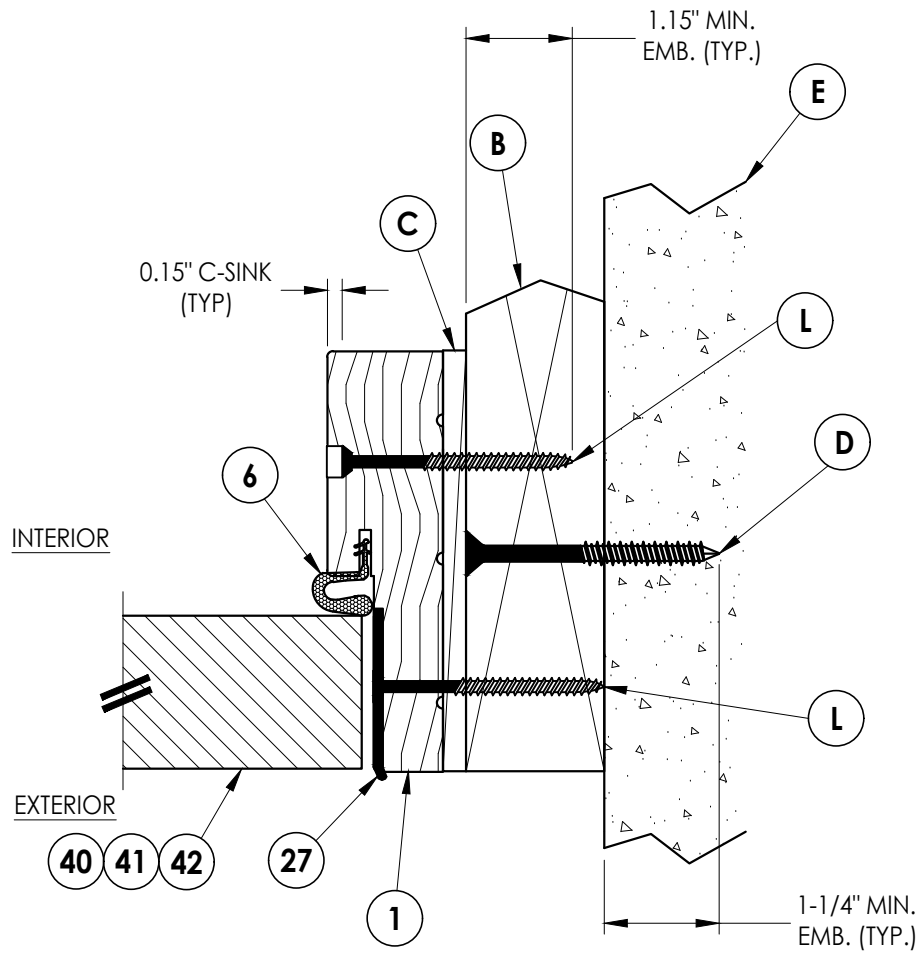
Z:\2023 FBC Drawings\Therma-Tru\FL-23507 R2\FL-23507.6-8.dwg



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



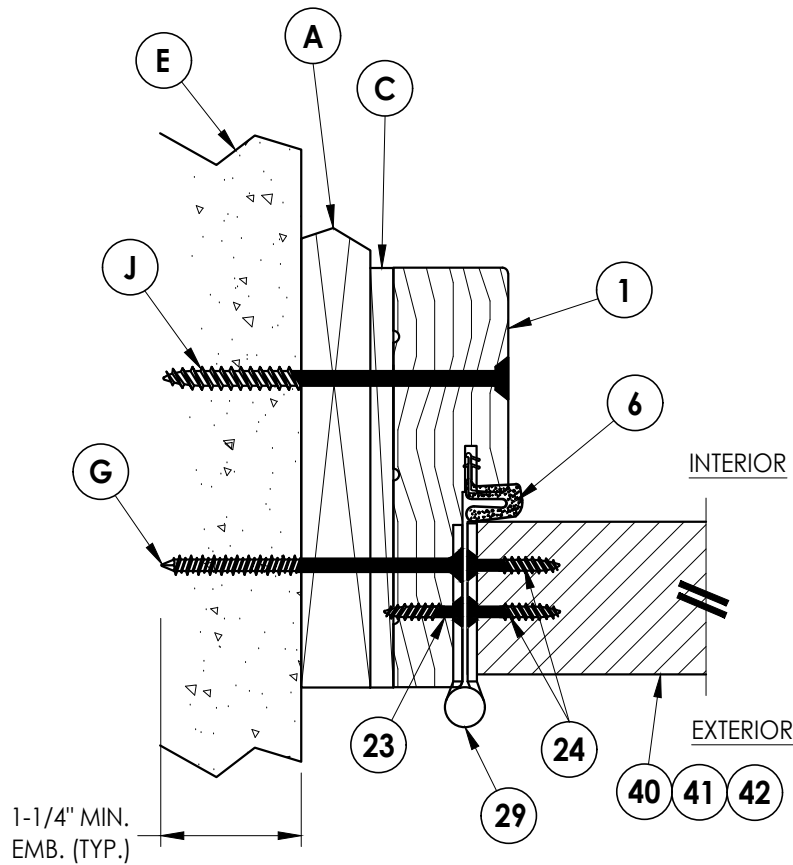
1 VERTICAL CROSS SECTION
4 Shown w/ 2X Buck
Outswing shown (Inswing similar)



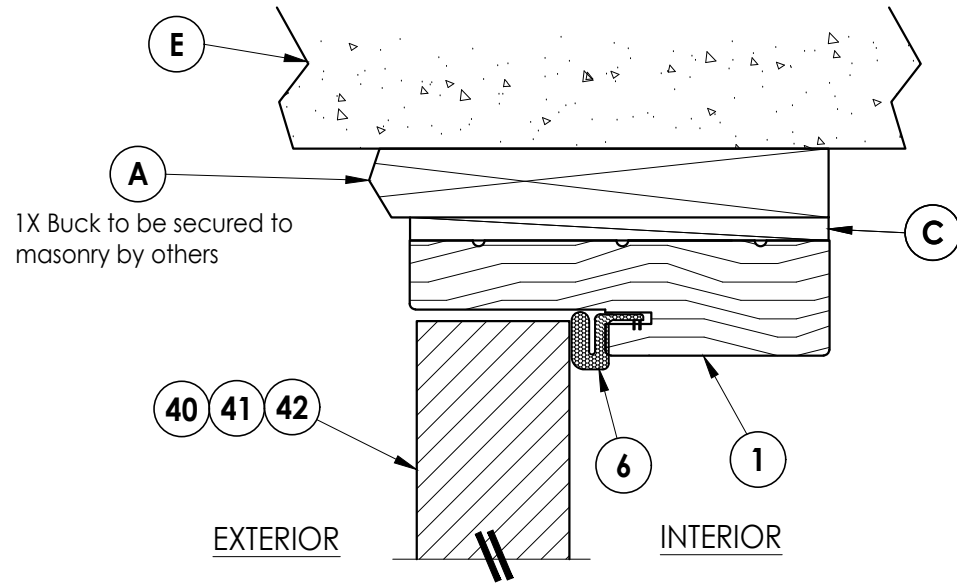
3 HORIZONTAL CROSS SECTION
4 Shown w/ 2X Buck
Outswing shown (Inswing similar)

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		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
		LFS	BY
		FBC	PO
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-23507.6			
SHEET 4 OF 11			

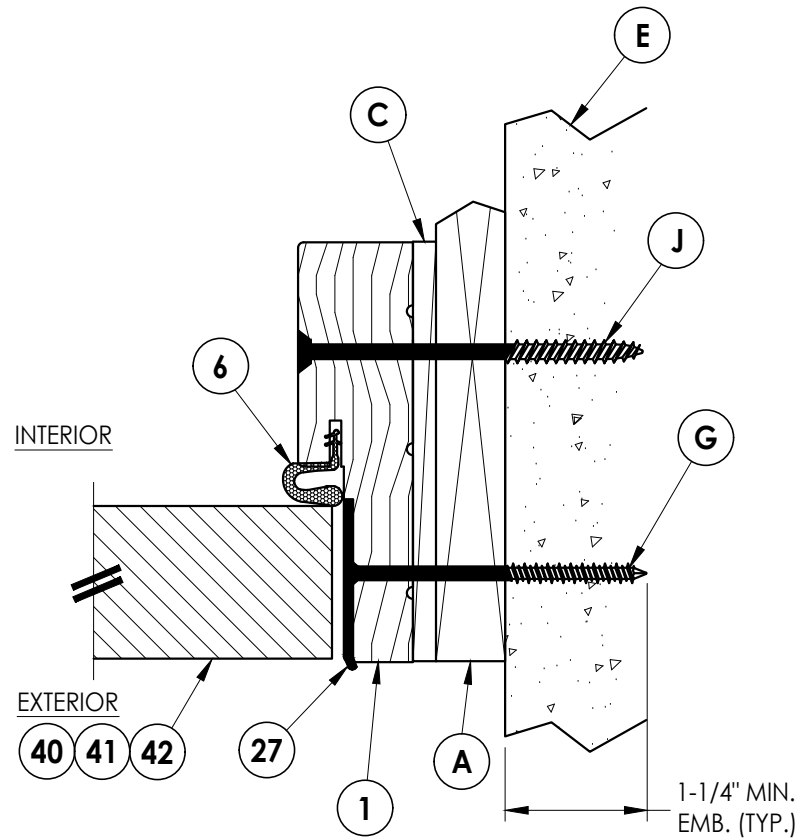
Z:\2023 FBC Drawings\Therma-Tru\FL-23507 R2\FL-23507.6-8.dwg



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



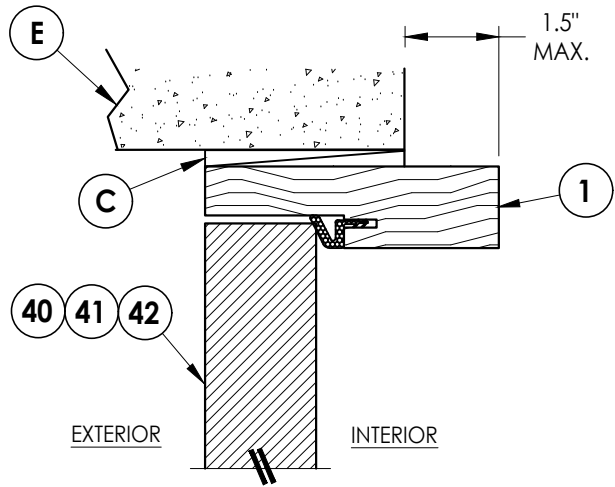
1
5 **VERTICAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



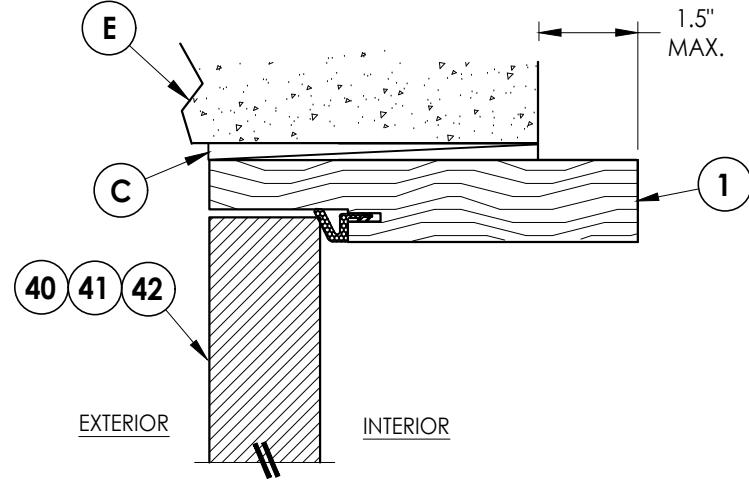
3
5 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)

PRODUCT: THERMA-TRU STEEL DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
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	
		REVISEMENTS	
		NO.	DATE
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-23507.6			
SHEET 5 OF 11			

Z:\2023 FBC Drawings\Therma-Tru\FL-23507 R2\FL-23507.6-8.dwg

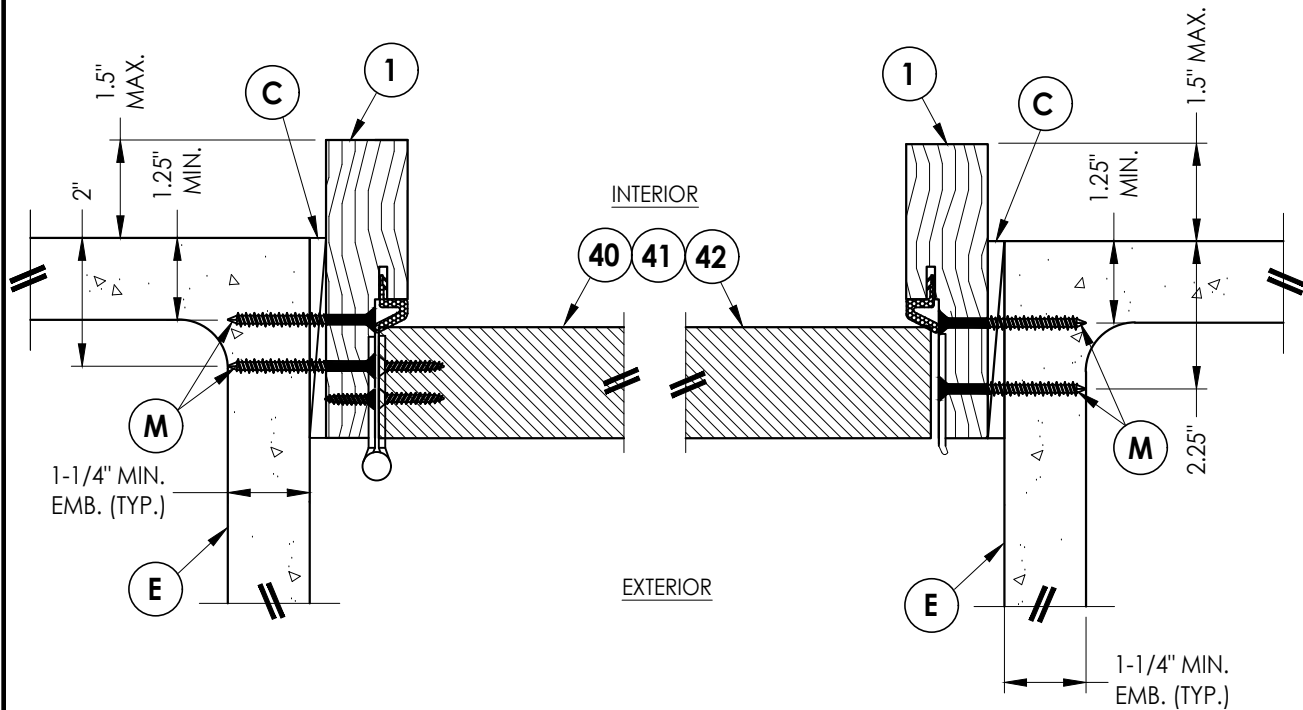


1/6 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



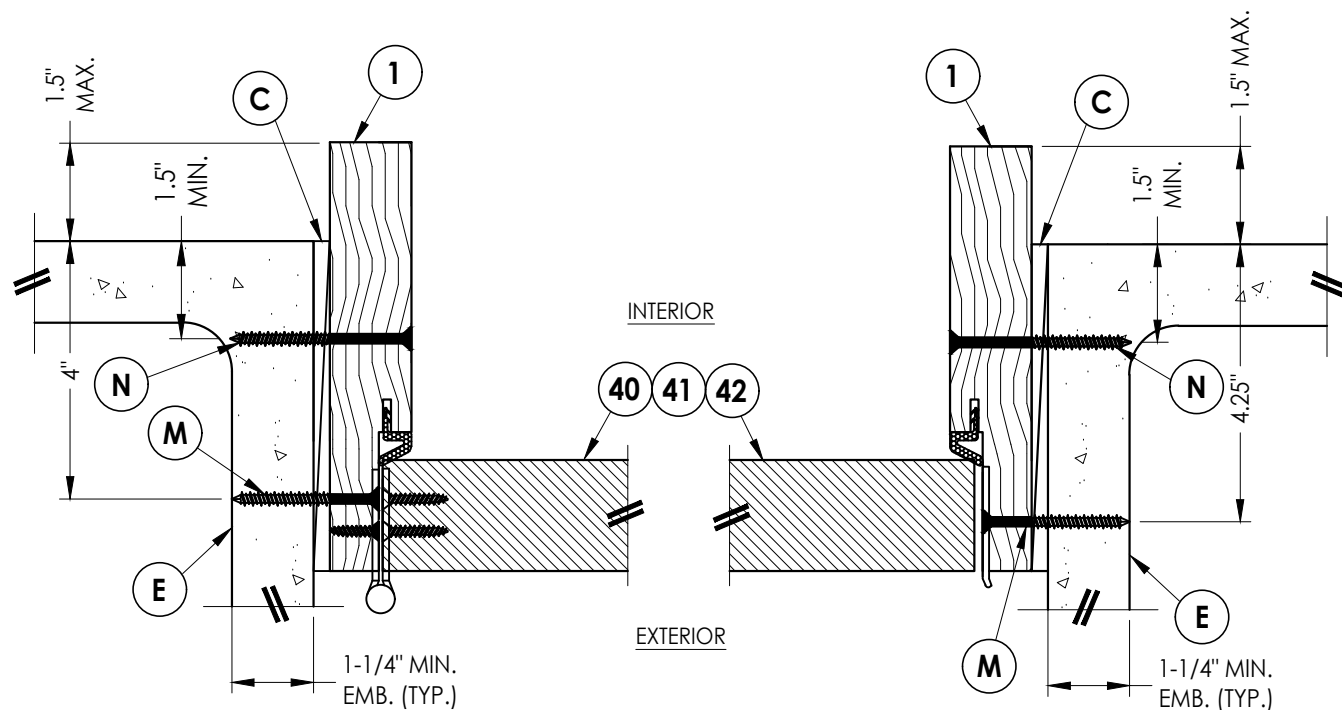
4/6 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

DIRECT TO MASONRY MAX. DESIGN PRESSURE:
w/ STANDARD STRIKE = ± 47 PSF
w/ SECURITY STRIKE = ± 55 PSF



2/6 HORIZONTAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb

3/6 HORIZONTAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb



5/6 HORIZONTAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

6/6 HORIZONTAL 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**

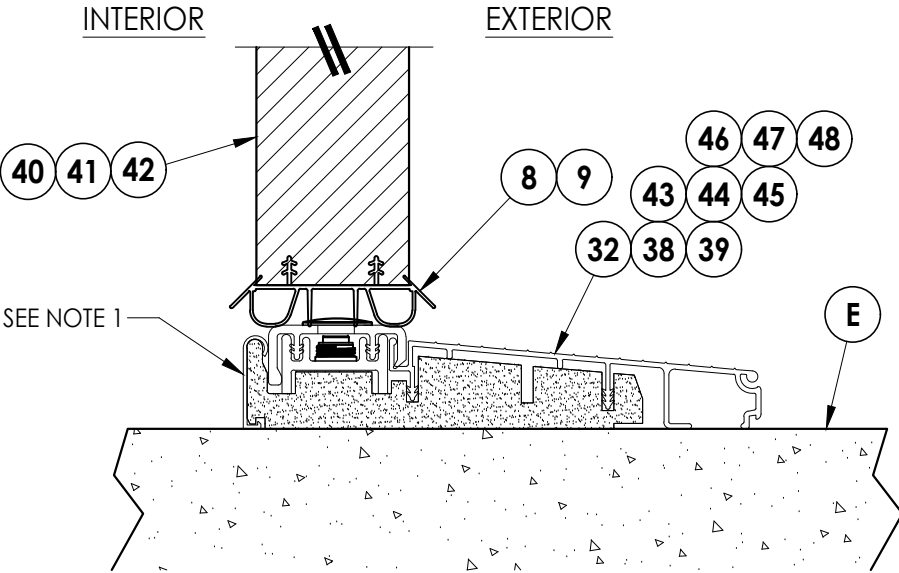
PART OR ASSEMBLY:
**HORIZONTAL & VERTICAL
SECTIONS (DIRECT TO MASONRY)**

NO.	DATE	REVISIONS
2	8/17/23	UPDATE TO 8TH ED. (2023) FBC
1	7/15/20	UPDATE TO 7th ED (2020) FBC

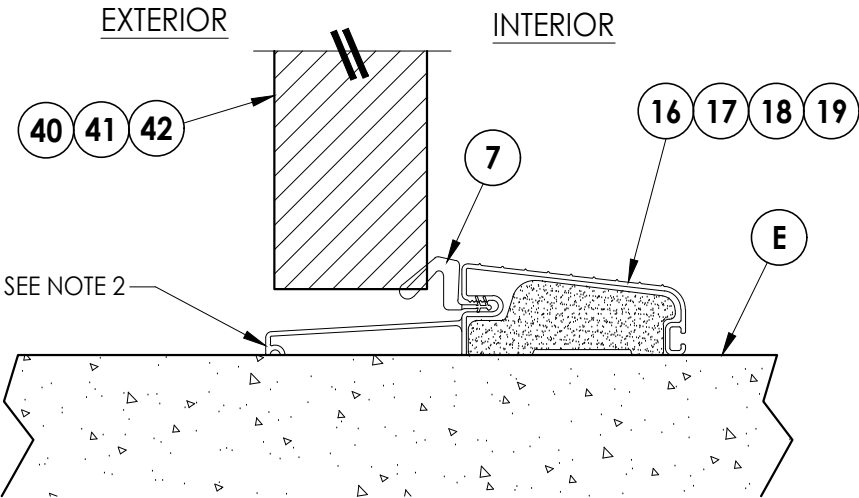
DATE: 10/12/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-23507.6
SHEET 6 OF 11

Z:\2023 FBC Drawings\Therma-Tru\FL-23507 R2\FL-23507.6-8.dwg

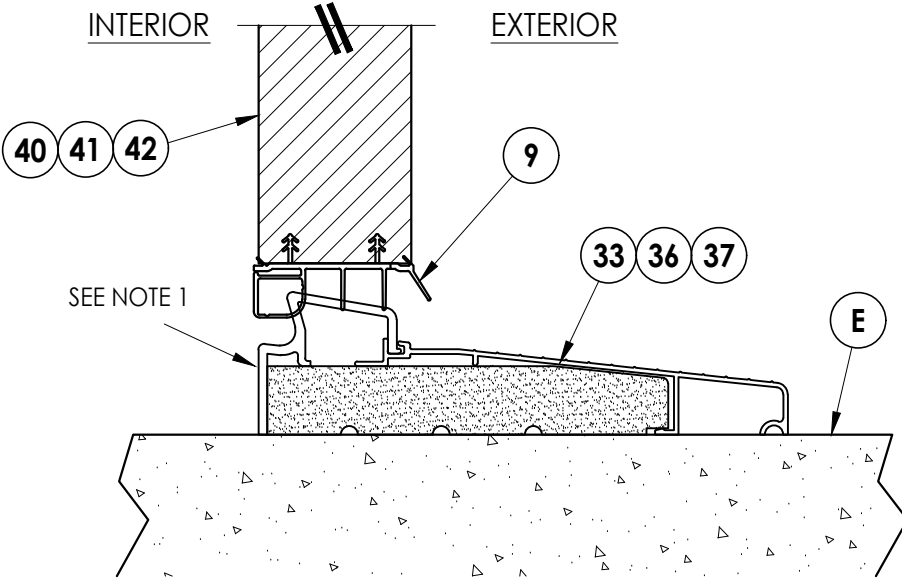
- Notes:
- Sill Item #'s 16, 32, 33, 36, 37, 38, 39, 43, 44, 45, 46, 47 & 48 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws or (3) 2.5" staples at each end.
 - Sill Item #'s 17, 18, 19 & 31 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
 - Sill Item #15 is attached to jambs utilizing (2) #10 X 2" pph SMS screws at each end.



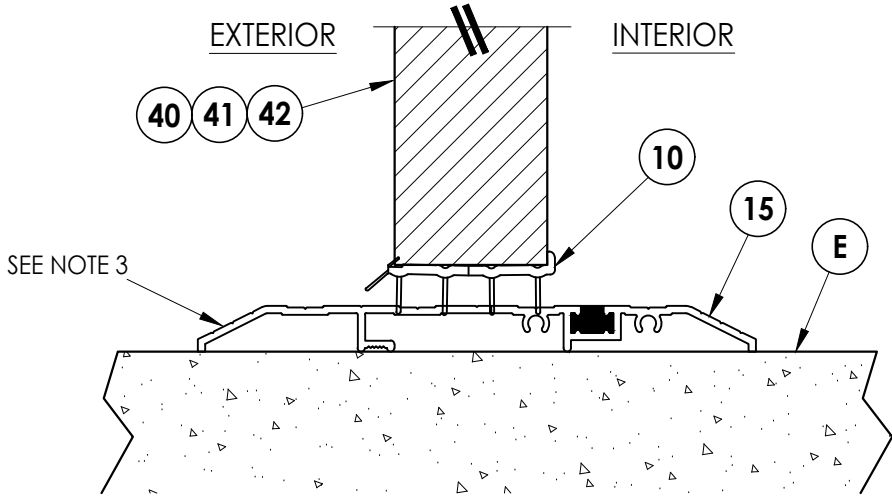
1
7 **VERTICAL CROSS SECTION**
Inswing Sill



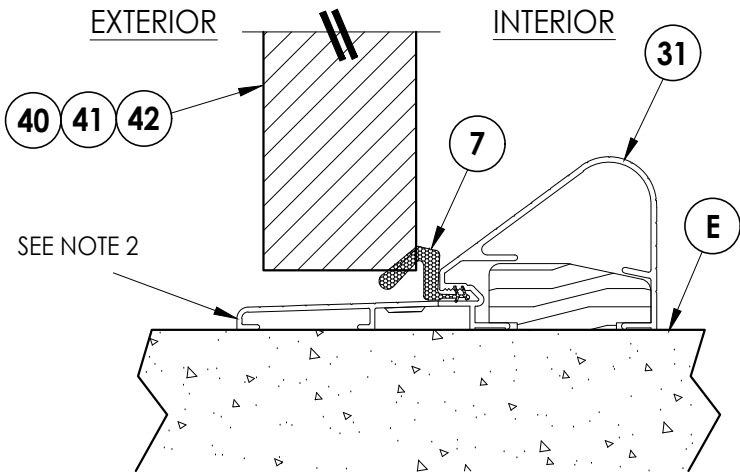
2
7 **VERTICAL CROSS SECTION**
Outswing Sill



5
7 **VERTICAL CROSS SECTION**
Inswing Sill



3
7 **VERTICAL CROSS SECTION**
Public Access Sill



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

DATE: 10/12/17

SCALE: N.T.S.

DWG. BY: JK

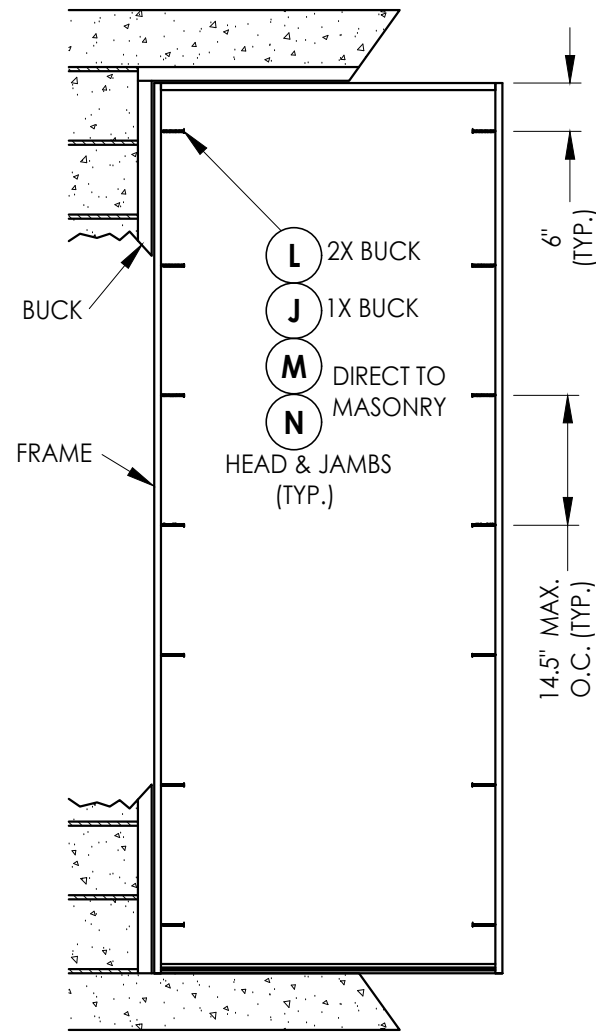
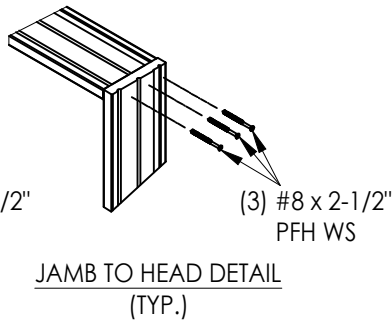
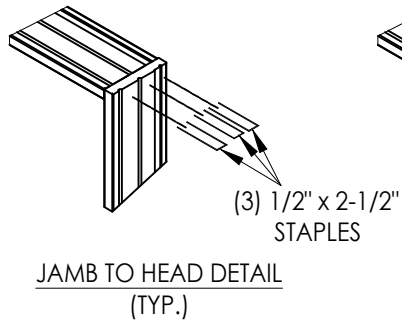
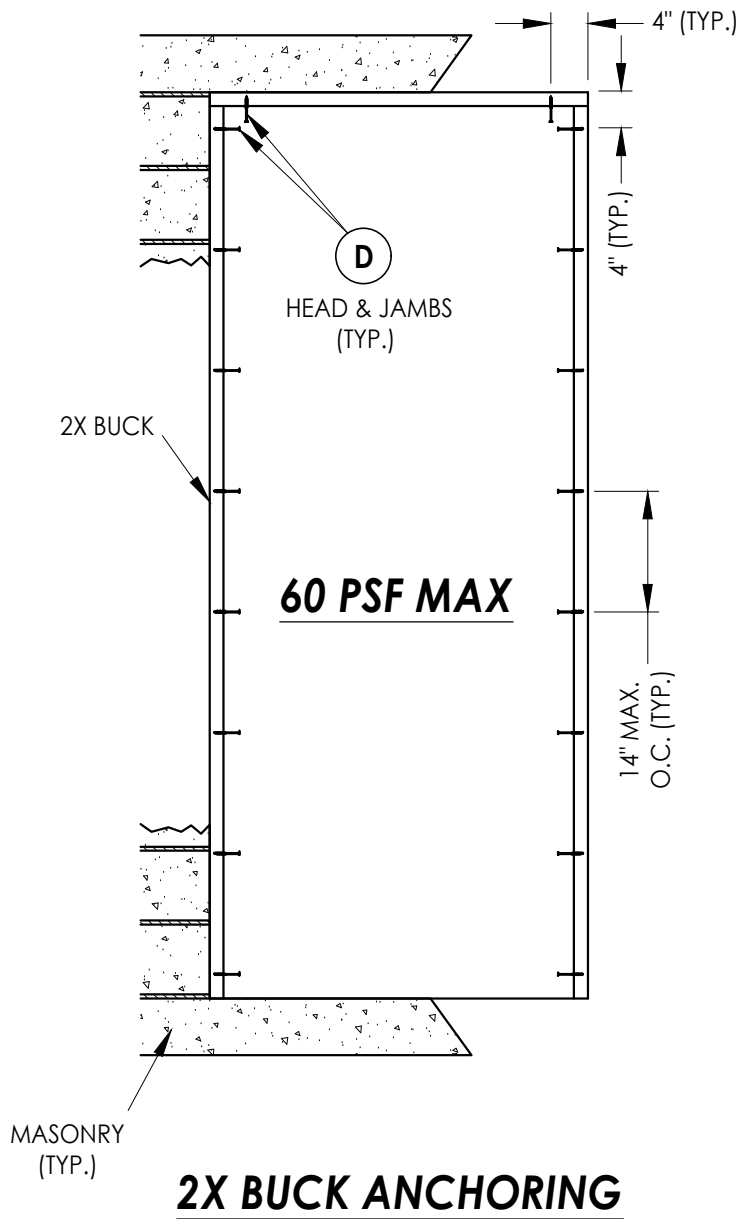
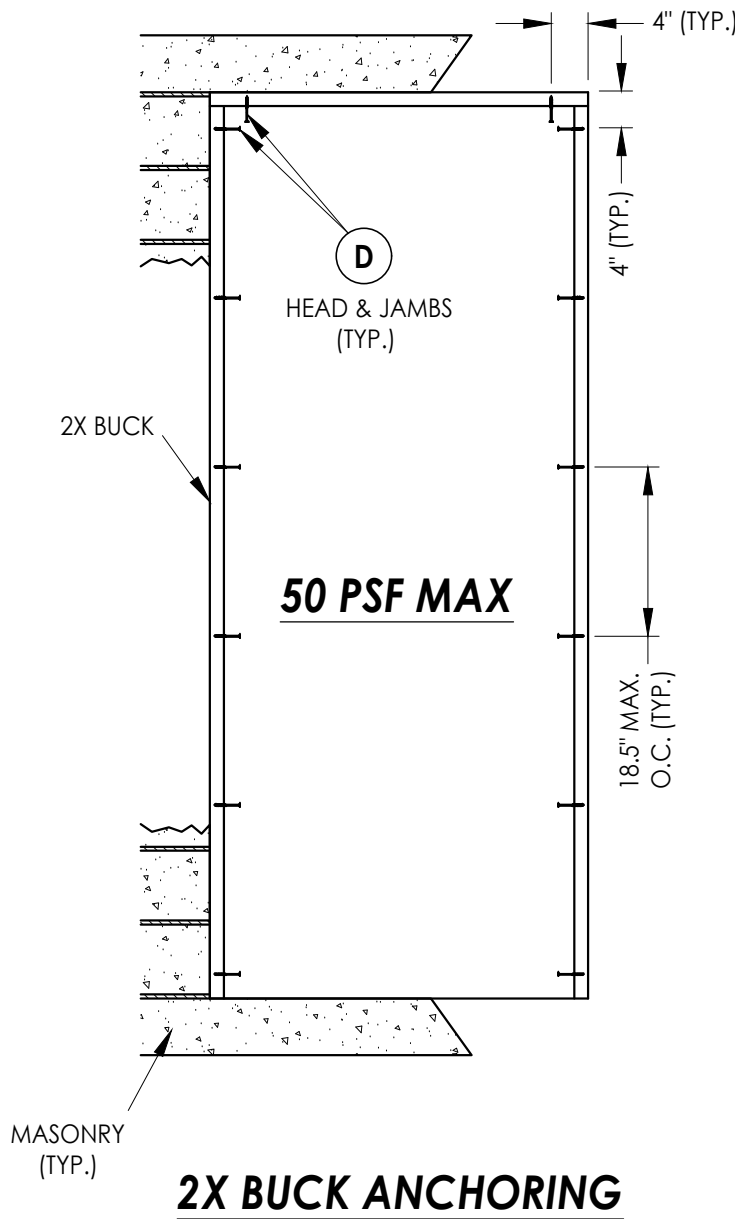
CHK. BY: LFS

DRAWING NO.:

FL-23507.6

SHEET 7 OF 11

Z:\2023 FBC Drawings\Therma-Tru\FL-23507 R2\FL-23507.6-8.dwg



DATE: 10/12/17	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-23507.6	
SHEET 8 OF 11	

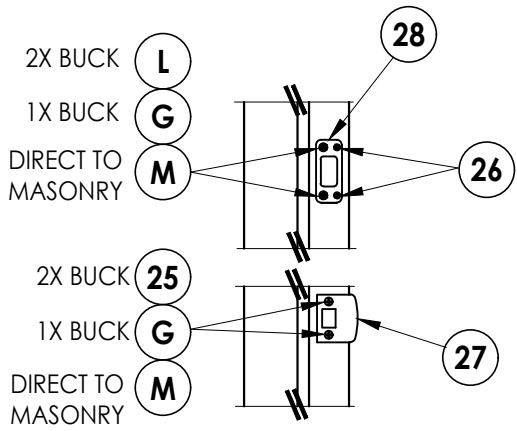
PRODUCT: THERMA-TRU STEEL DOOR	
PART OR ASSEMBLY: BUCK AND FRAME ANCHORING	

REVISIONS	
2	8/17/23 UPDATE TO 8TH ED. (2023) FBC
1	7/15/20 UPDATE TO 7th ED (2020) FBC
NO.	DATE

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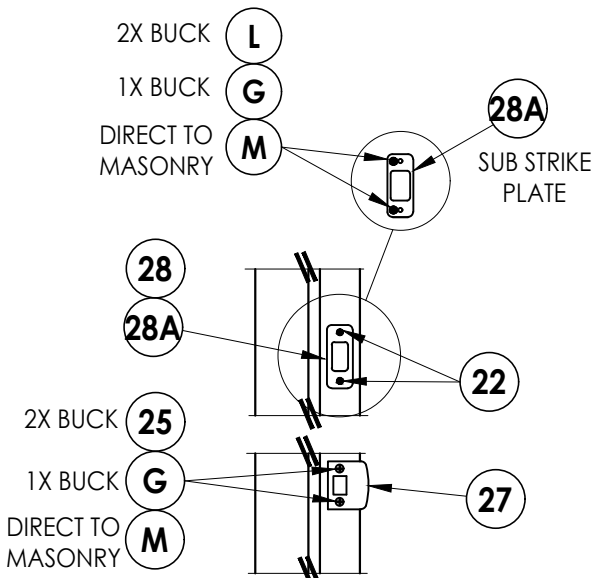
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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LATCH & DEADBOLT DETAIL

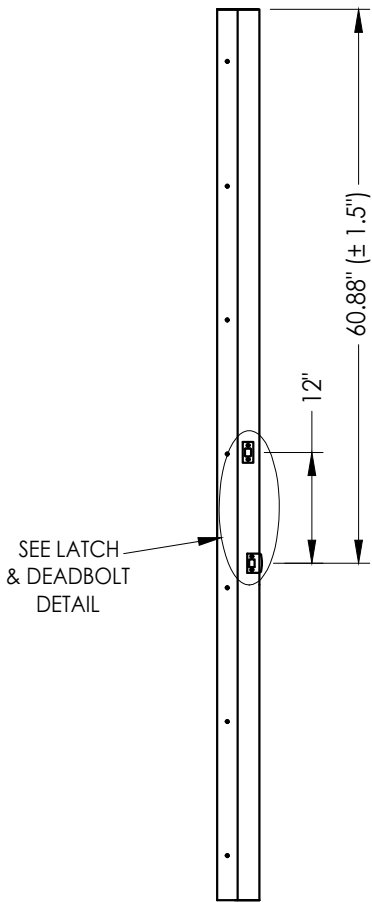
Kwikset



LATCH & DEADBOLT DETAIL

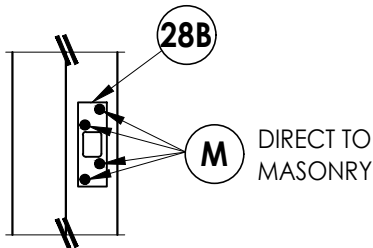
Schlage

LATCH & DEADBOLT STRIKE DETAILS



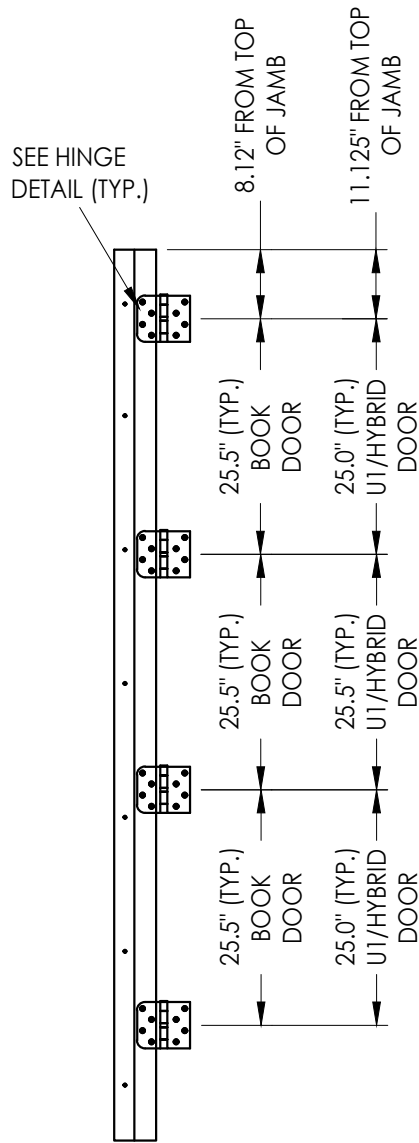
STRIKE JAMB

Latch and Deadbolt

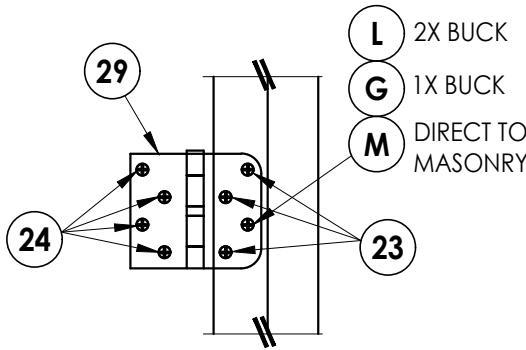


DEADBOLT STRIKE DETAILS

(Security Deadbolt Strike Plate)



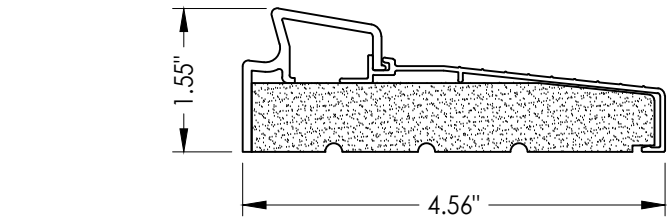
HINGE JAMB



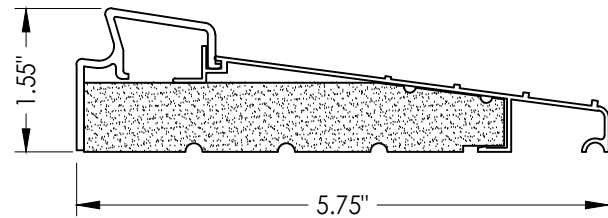
HINGE DETAIL

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	NO.	DATE
				2	8/17/23	UPDATE TO 8TH ED. (2023)	7/15/20
				1	7/15/20	UPDATE TO 7th ED (2020)	7/15/20
REVISIONS				PO	FBC	BY	
DATE: 10/12/17							
SCALE: N.T.S.							
DWG. BY: JK							
CHK. BY: LFS							
DRAWING NO.: FL-23507.6							
SHEET 9 OF 11							

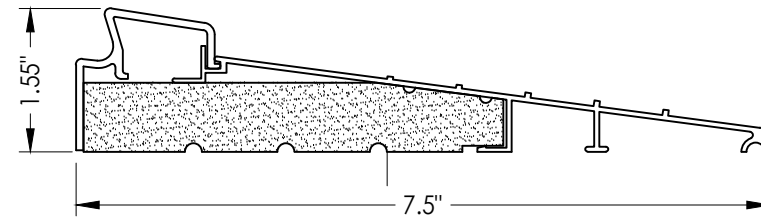
Z:\2023 FBC Drawings\Therma-Tru\FL-23507 R2\FL-23507.6-8.dwg



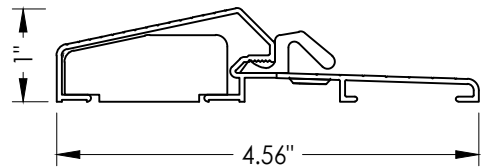
33 INSWING THRESHOLD
Inswing Basic Fixed Sill



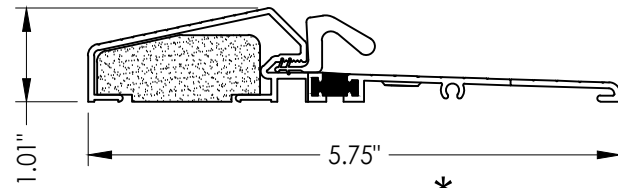
36 INSWING THRESHOLD
Inswing Basic Fixed 5-3/4" Sill



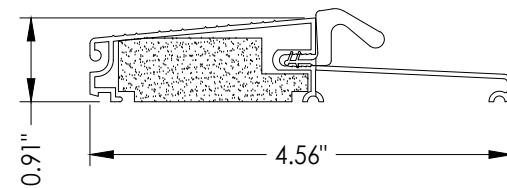
37 INSWING THRESHOLD
Inswing Basic Fixed 7-1/2" Sill



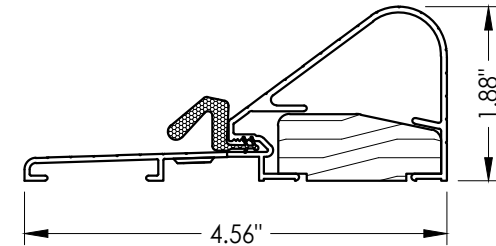
17 OUTSWING THRESHOLD
Composite / Aluminum Sill



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

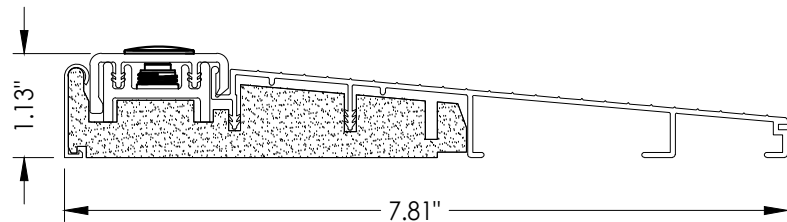


19 OUTSWING THRESHOLD *
Composite Sill

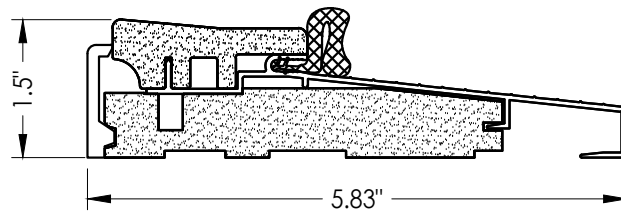


31 OUTSWING
Threshold coastal

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



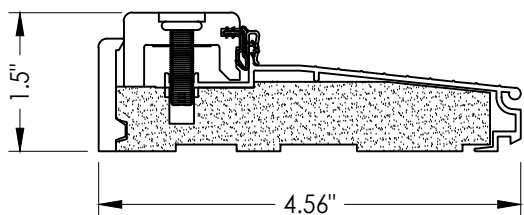
32 INSWING THRESHOLD
Inswing Composite Adjustable 7-3/4" Sill



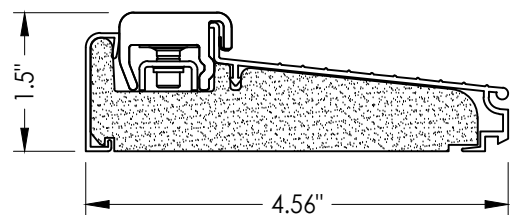
16 OUTSWING THRESHOLD
Composite / Aluminum Sill



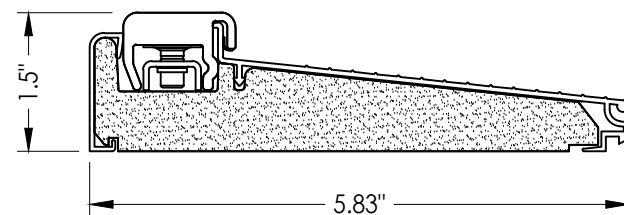
15 PUBLIC ACCESS THRESHOLD



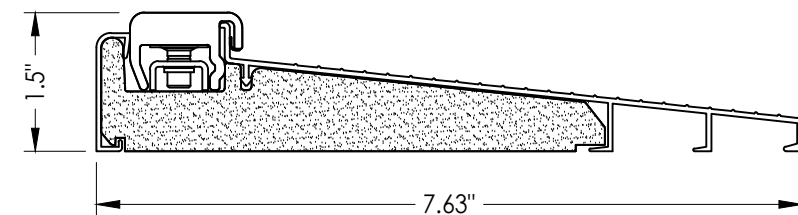
38 INSWING THRESHOLD
Inswing Composite Adjustable Sill



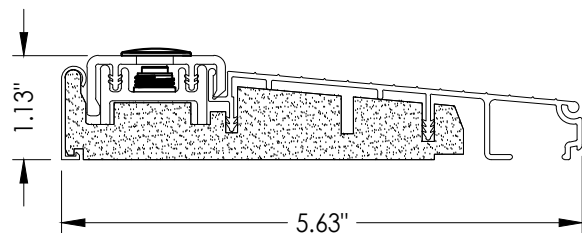
43 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



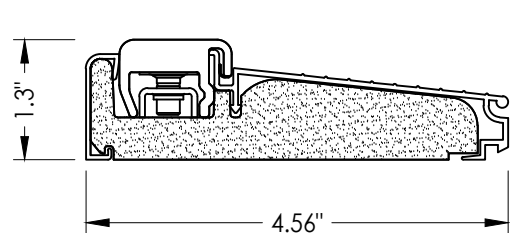
44 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



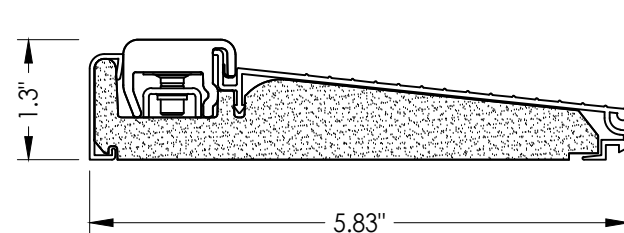
45 INSWING THRESHOLD
Inswing Composite Adjustable Sill
Book, Hybrid



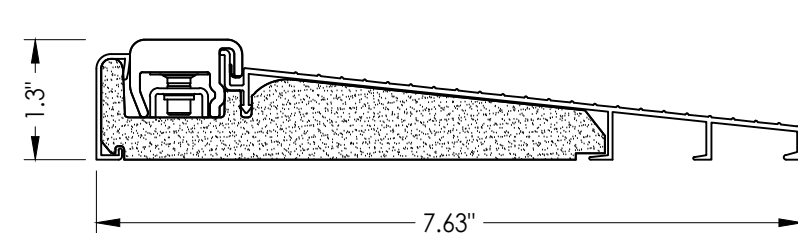
39 INSWING THRESHOLD
Inswing Composite Adjustable Sill



46 INSWING THRESHOLD
Inswing Composite Adjustable Sill
U1



47 INSWING THRESHOLD
Inswing Composite Adjustable Sill



48 INSWING THRESHOLD
Inswing Composite Adjustable 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

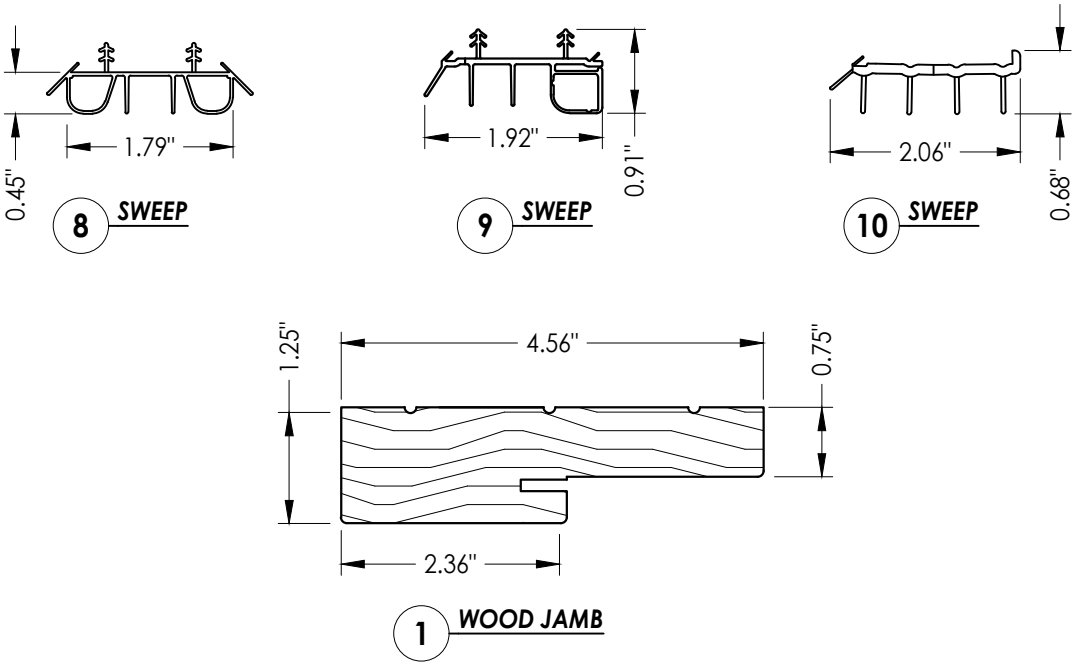
PRODUCT:
THERMA-TRU
STEEL DOOR

PART OR ASSEMBLY:
COMPONENTS

NO.	DATE	REVISIONS
2	8/17/23	UPDATE TO 8TH ED. (2023) FBC
1	7/15/20	UPDATE TO 7th ED (2020) FBC

DATE: 10/12/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-23507.6
SHEET 10 OF 11

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)	-
9	SWEEP	VINYL	41	DOOR PANEL (HYBRID)	-
10	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL	42	DOOR PANEL (U1)	-
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
19	OUTSWING THRESHOLD	ALUM/COMP	47	INSWING THRESHOLD	ALUM/COMP
22	#8 x 3/4" PFH WOOD SCREW	STEEL	48	INSWING THRESHOLD	ALUM/COMP
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 ULTRA CON+®	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]