



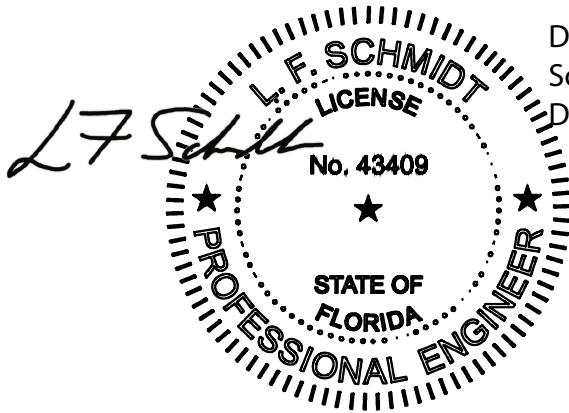
Profiles™ & Traditions

WOOD EDGE
"IMPACT" OPAQUE STEEL DOUBLE DOOR
w/ "NON-IMPACT" SIDELITE(S)
INSWING/OUTSWING

GENERAL NOTES

1. This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in the "HVHZ", the opaque door complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering. The non-impact sidelite must be protected with an impact resistant covering complying with Section 1626 of the FBC.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection, the opaque door complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. The opaque door meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996. The non-impact sidelites must be protected with an impact resistant covering complying with FBC Sections 1609.1.2 & R301.2.1.2.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations using Sill numbers 16,17,18 & 31 meet the water infiltration requirements for the "HVHZ". All other configurations do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
8. When used in the "HVHZ", steel must be protected as specified in FBC Section 2222.6.

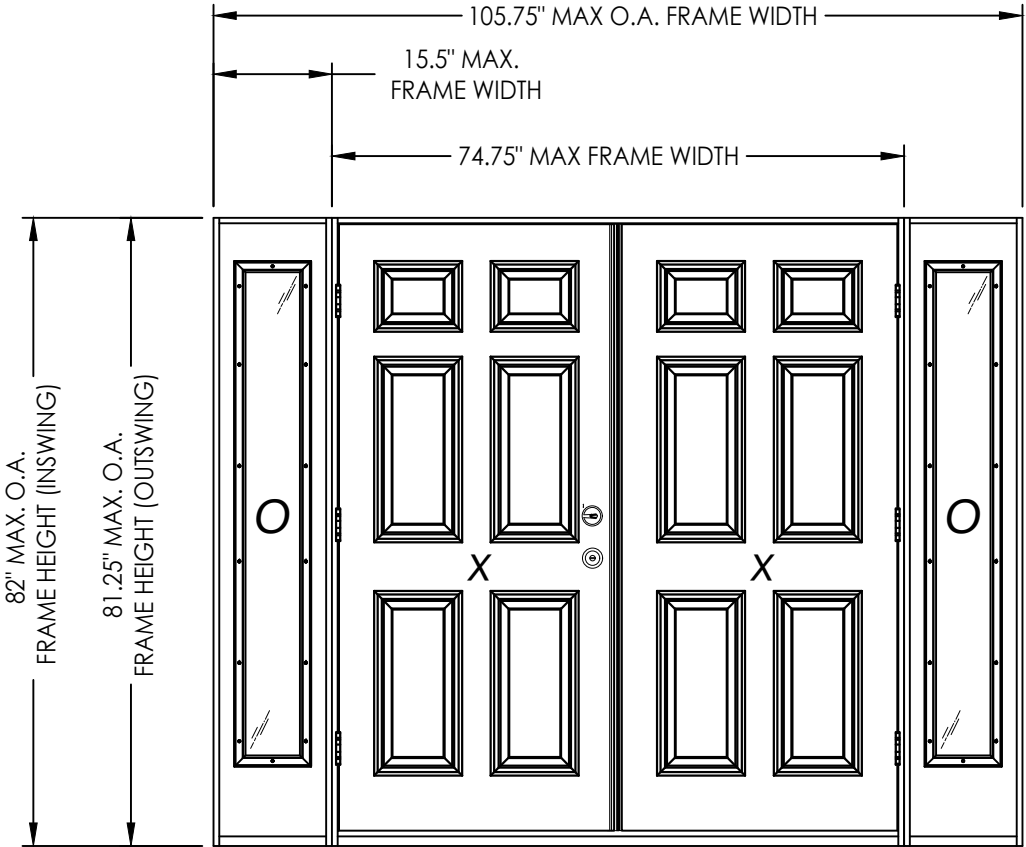
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5	Elevations	12	Hardware Details
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Digitally signed by Lyndon F Schmidt
Date: 2026.08.07 15:57:06 -04'00'

This item has been digitally signed and sealed by L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA



OXO

CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
OXO "TRADITIONS"	+60.0	-60.0	+60.0	-60.0
OXO "PROFILES"	+65.0	-65.0	+65.0	-65.0

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

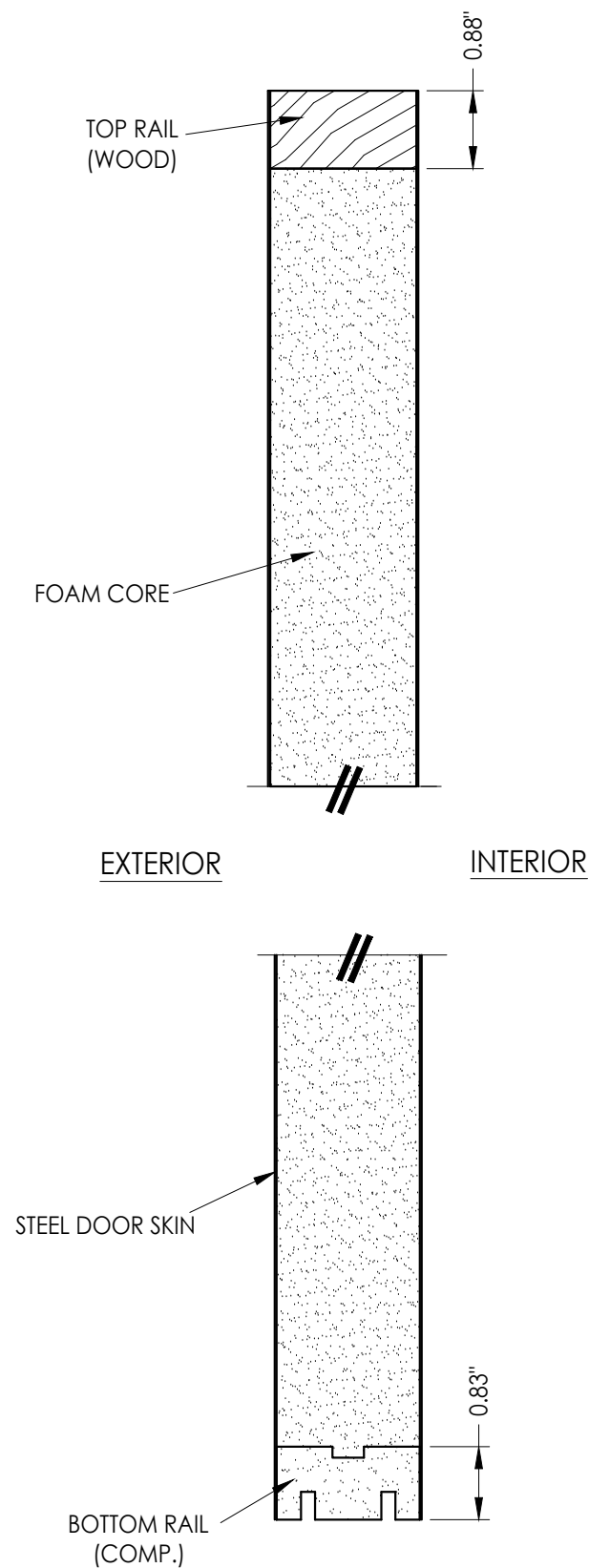
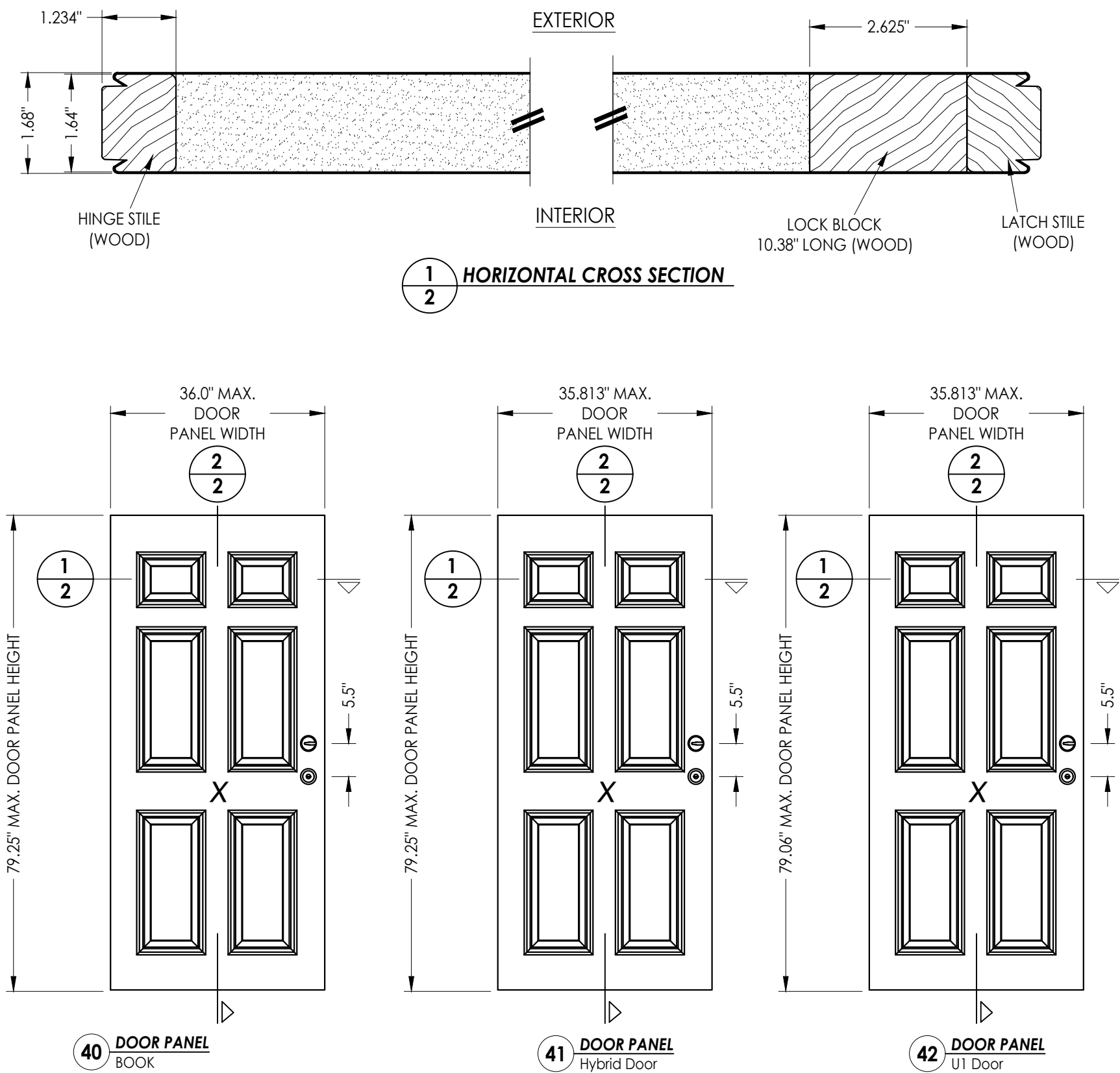
PRODUCT:
THERMA-TRU
STEEL DOOR

PART OR ASSEMBLY:
TYPICAL ELEVATION, DESIGN
PRESSURES & GENERAL NOTES

NO.	DATE	REVISIONS		
		DATE	BY	DESCRIPTION
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: 10/12/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-23507.5
SHEET 1 OF 14

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"PROFILES" SERIES DOOR PANEL

STEEL DOOR SKIN: 24 GA. (0.022" MIN. THICKNESS, Fy = 48,470 PSI MIN.)

FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)

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PRODUCT:

THERMA-TRU
STEEL DOOR

PART OR ASSEMBLY:

"PROFILES"
DOOR PANEL DETAILS

DATE: 10/12/17

SCALE: N.T.S.

DWG. BY: JK

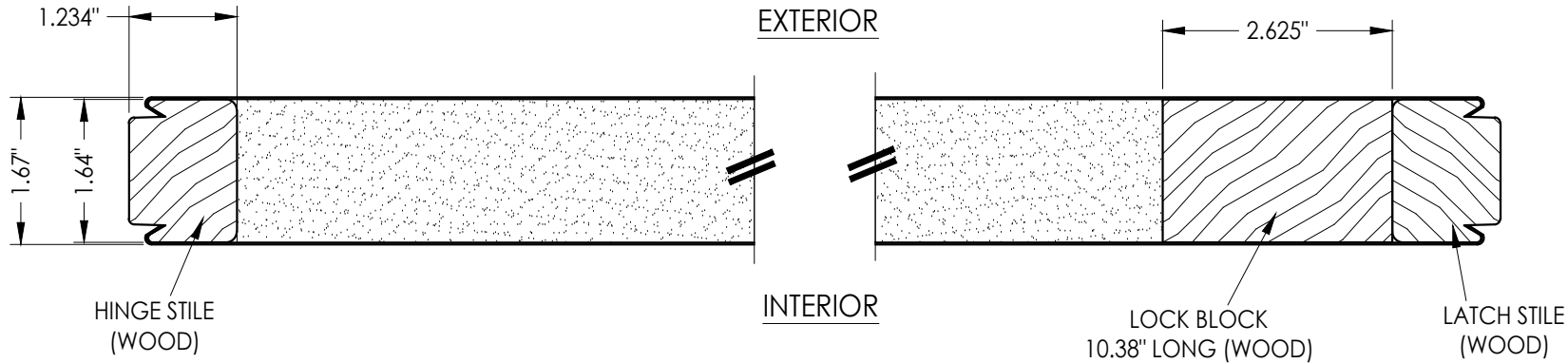
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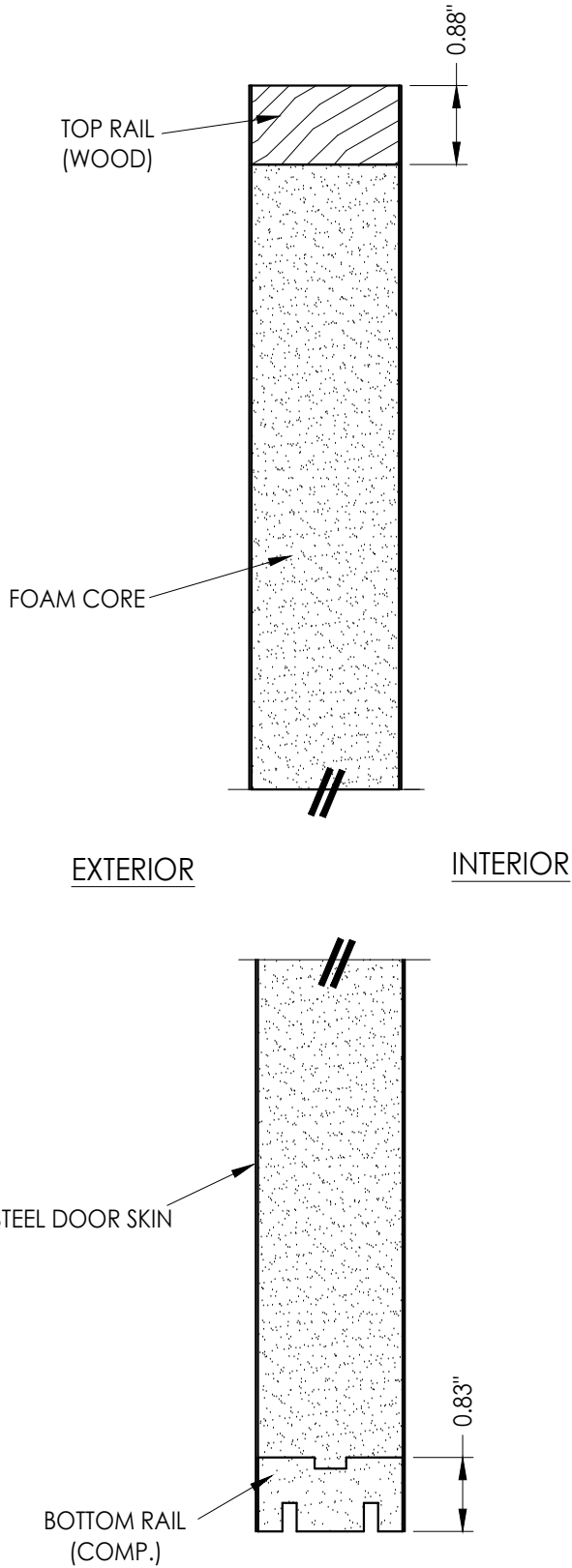
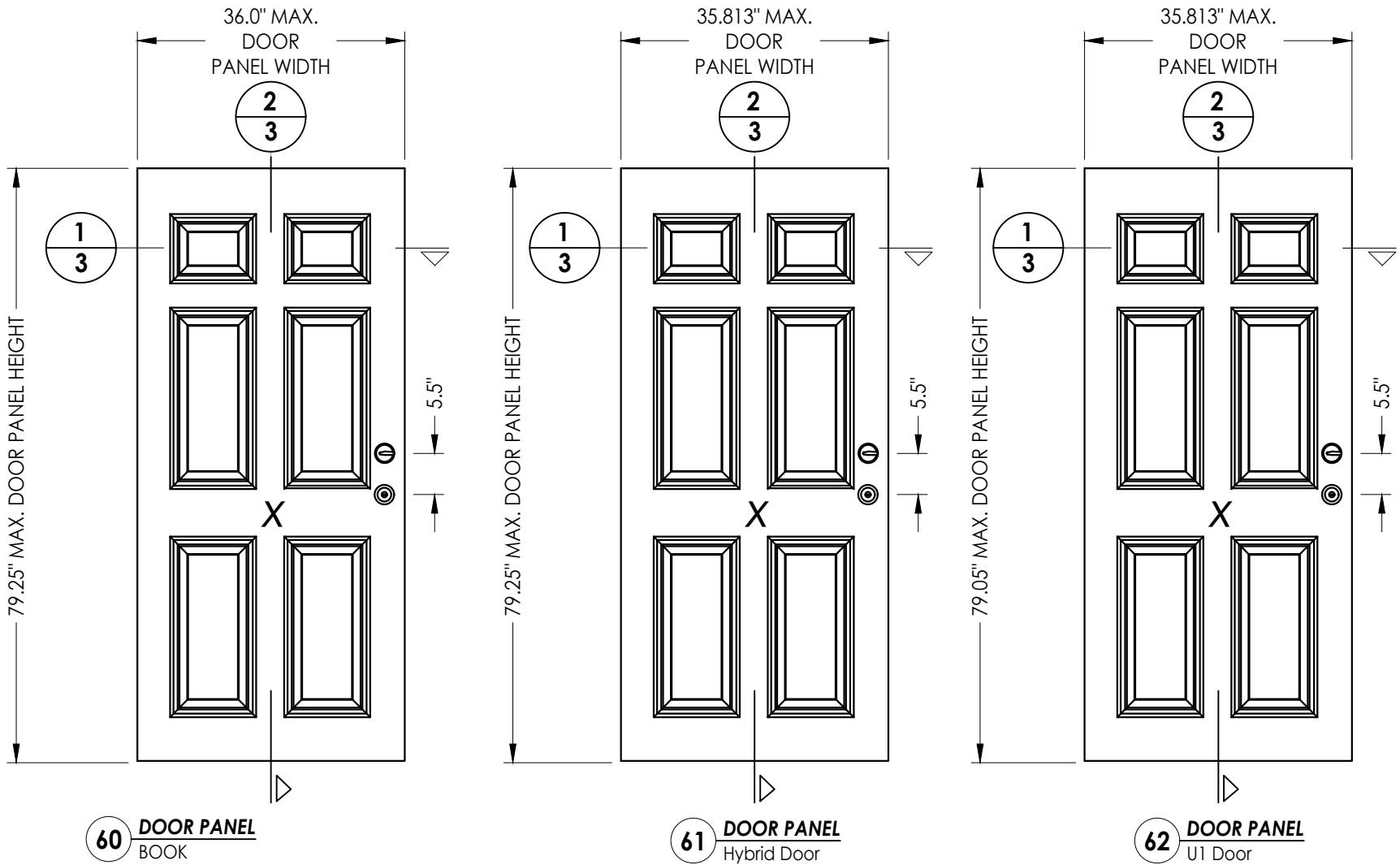
FL-23507.5

SHEET 2 OF 14

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1
3 **HORIZONTAL CROSS SECTION**



2
3 **VERTICAL CROSS SECTION**

"TRADITIONS" SERIES DOOR PANEL

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

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FBPE Registry No. 9813

PRODUCT:

THERMA-TRU
STEEL DOOR

PART OR ASSEMBLY:

"TRADITIONS"
DOOR PANEL DETAILS

DATE: 10/12/17

SCALE: N.T.S.

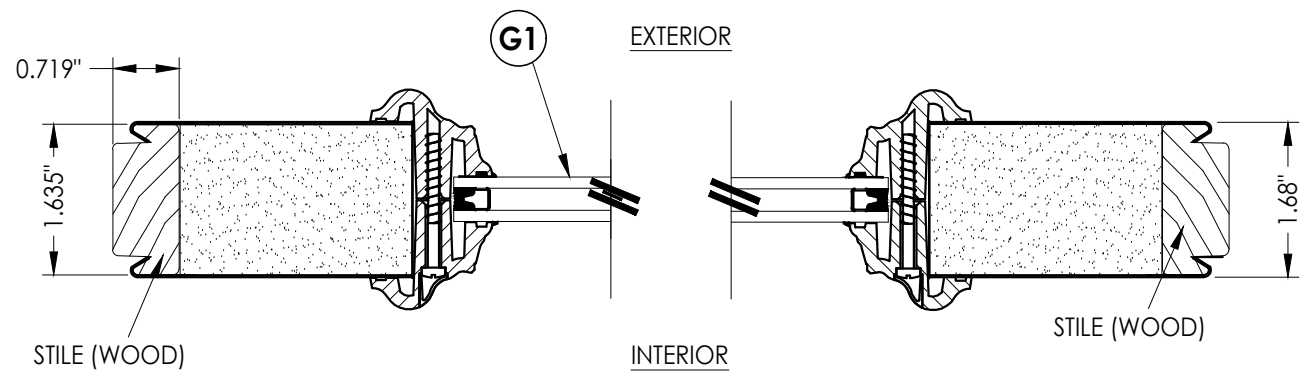
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CHK. BY: LFS

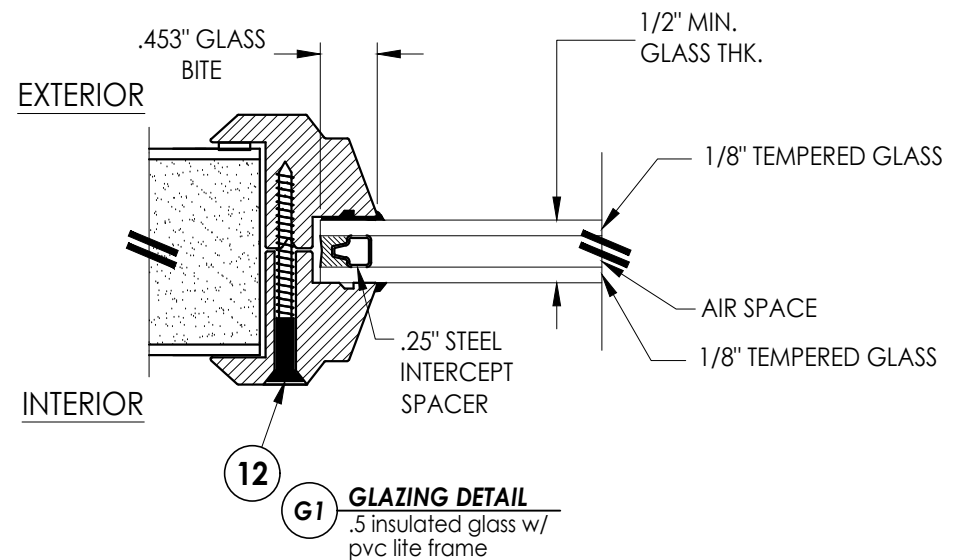
DRAWING NO.:

FL-23507.5

SHEET 3 OF 14

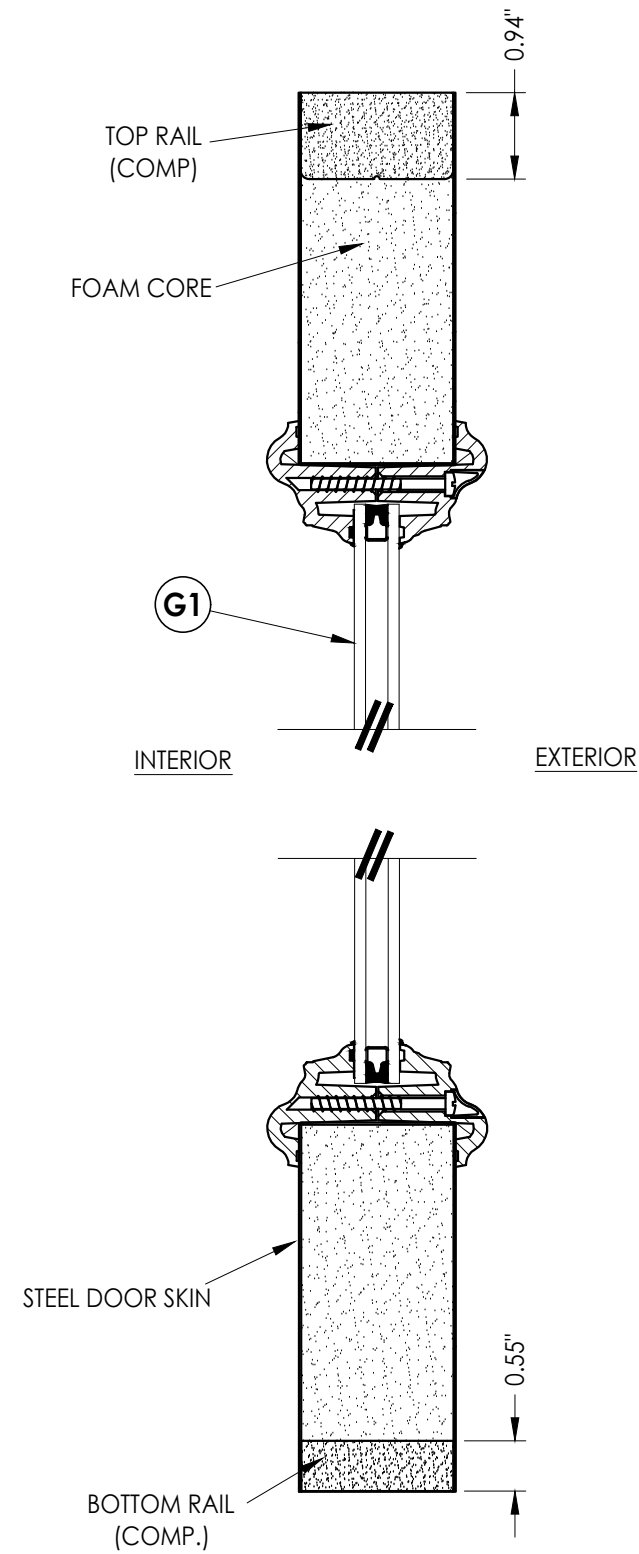


1 **HORIZONTAL CROSS SECTION**
4



GLAZING DETAIL
 .5 insulated glass w/
 bts lite frame

Labels in diagram:
 .463" GLASS BITE
 EXTERIOR
 INTERIOR
 1/2" MIN. GLASS THK.
 1/8" TEMPERED GLASS
 AIR SPACE
 1/8" TEMPERED GLASS
 .25" STEEL INTERCEPT SPACER
 11
 G1



2 VERTICAL CROSS SECTION
4

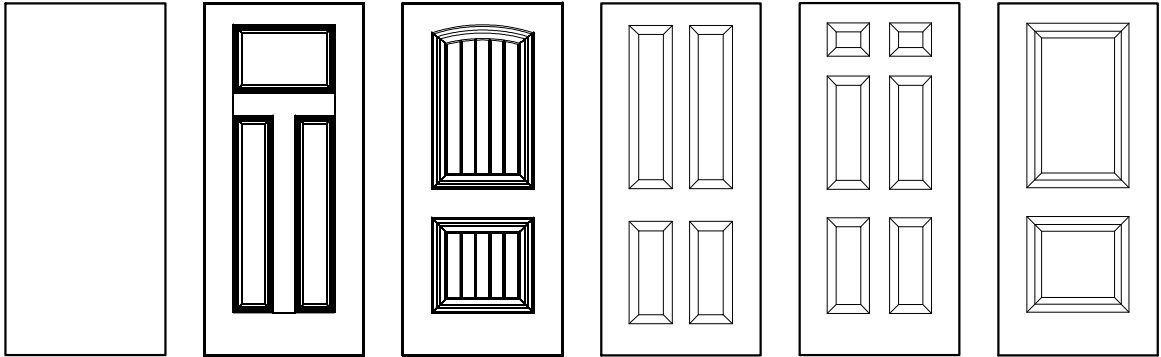
NOTE:
1. Spacing for item #11 & #12 (lite frame screws) is as follows: From the top down on sides; 3", 14.75", 26.5", 38.25", 50.5" & 62.25". There are (2) screws both top and bottom at 4.25" in from each corner.

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)

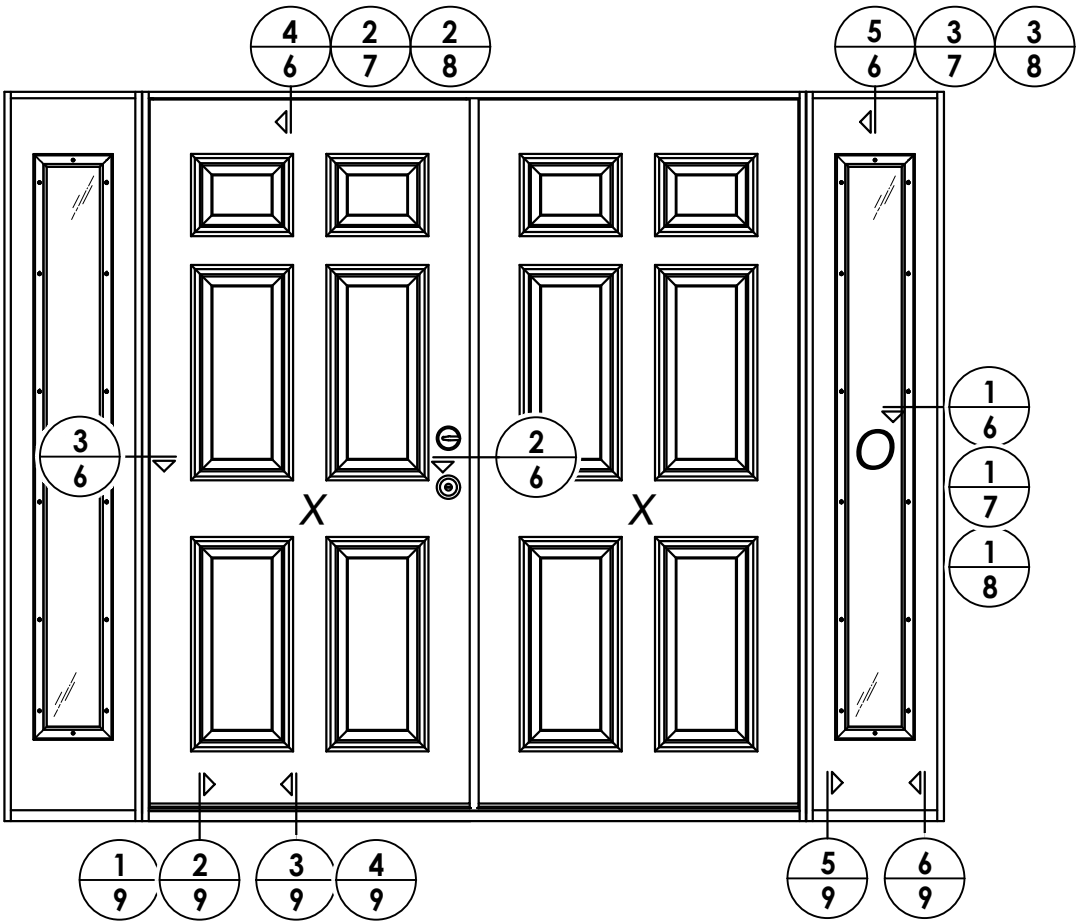
DATE: 10/12/17 SCALE: N.T.S. DWG. BY: JK CHK. BY: LFS DRAWING NO.: FL-23507.5 SHEET 4 OF 14		NO. DATE 1 2/25/20 2 8/17/23 3 7/02/26		REVISIONS	
UPDATE TO 2014 EDITION (2020) FBC		UPDATE TO 8TH ED. (2023) FBC		LFS	
UPDATE TO 9TH ED. (2026) FBC		LFS		LFS	
THERMA-TRU STEEL DOOR		PART OR ASSEMBLY: SIDE-LITE PANEL / GLAZING DETAILS		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT:		THERMA-TRU STEEL DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	

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PROFILES/TRADITIONS Steel Door Panel Options

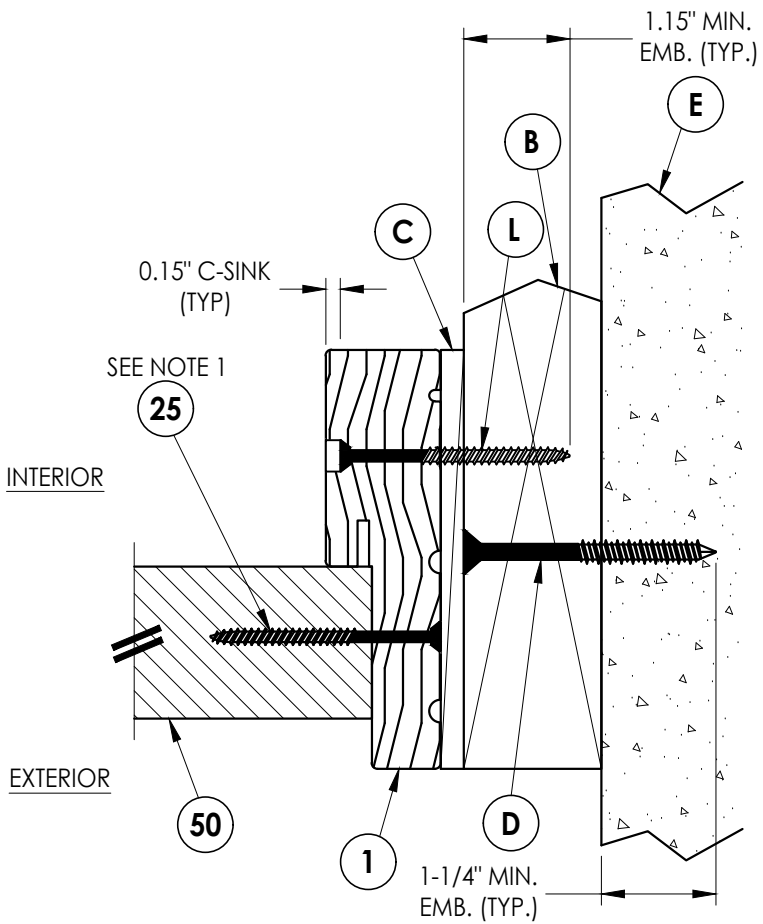
Panel options shown are for illustration and are representative only
(similar opaque panel configurations are allowed)



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

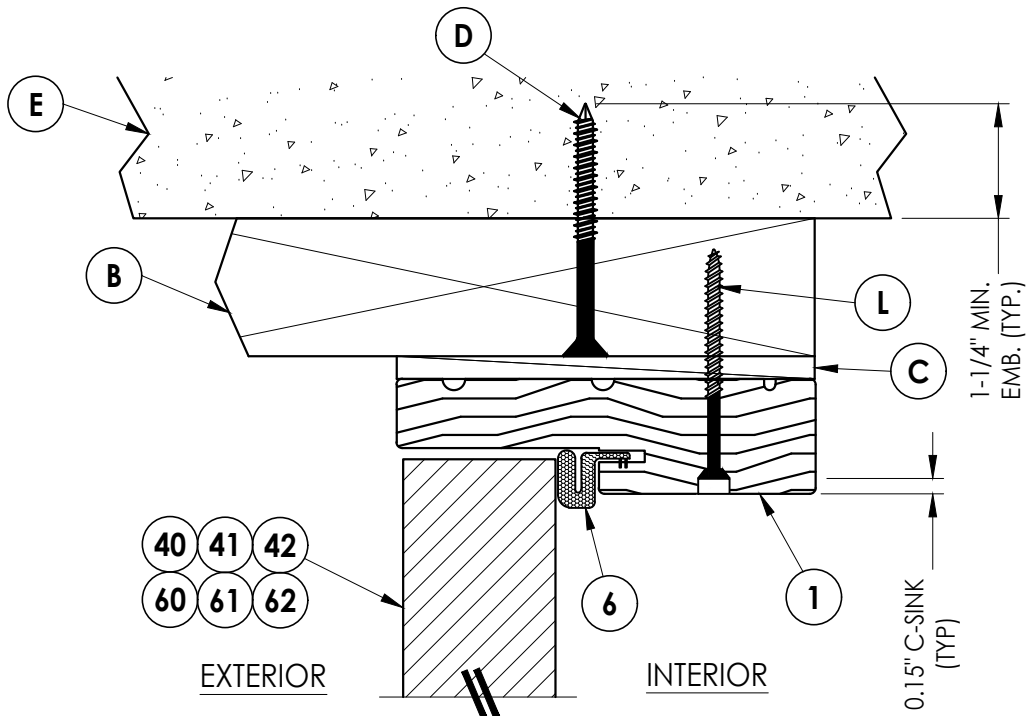
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		THERMA-TRU STEEL DOOR		DATE: 10/12/17	
BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813		PART OR ASSEMBLY: ELEVATIONS		SCALE: N.T.S.	
				DWG. BY: JK	
				CHK. BY: LFS	
				DRAWING NO.: FL-23507.5	
				SHEET 5 of 14	

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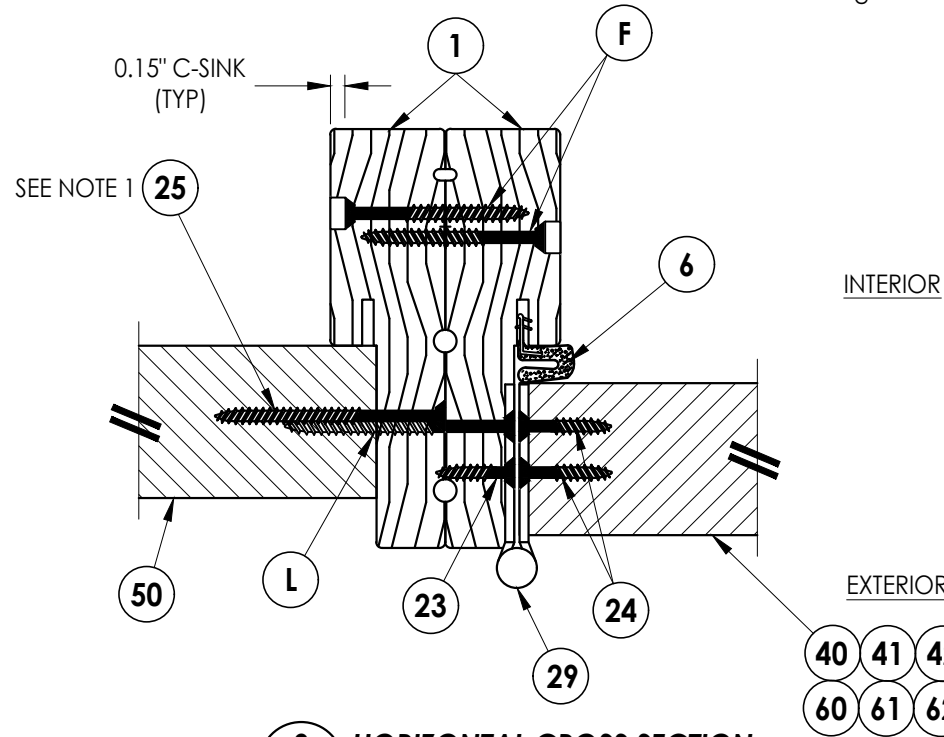


1
6 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)

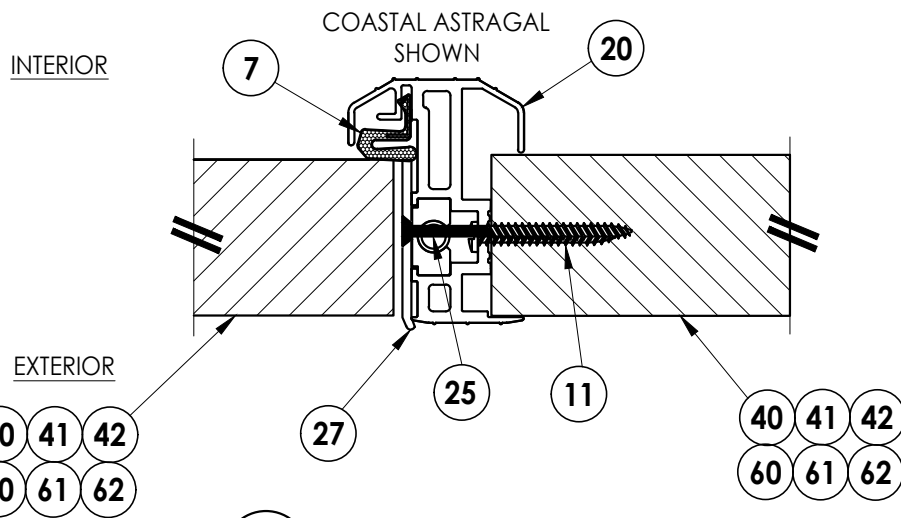
- Notes:
1. Sidelite assembly screws located 7" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
 2. Sidelite assembly screws located 3" from each end (2 screws along head jamb).



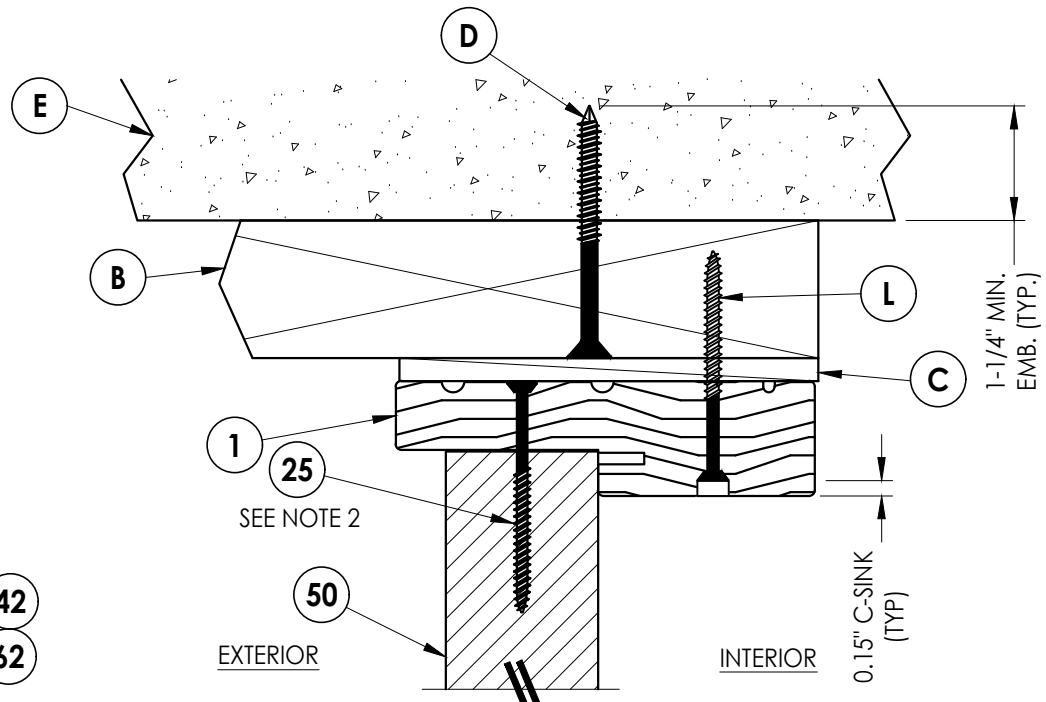
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6 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



3
6 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



2
6 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



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

Documents Prepared By:
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P.E. No. 43409

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

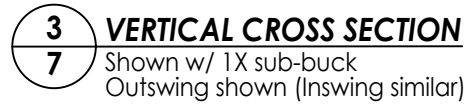
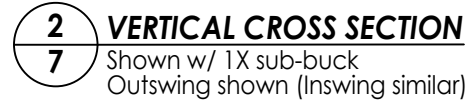
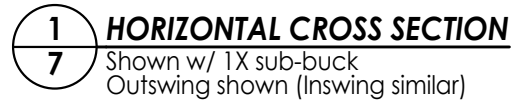
PRODUCT:
THERMA-TRU
STEEL DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

REVISIONS			
NO.	DATE	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: 10/12/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-23507.5
SHEET 6 OF 14

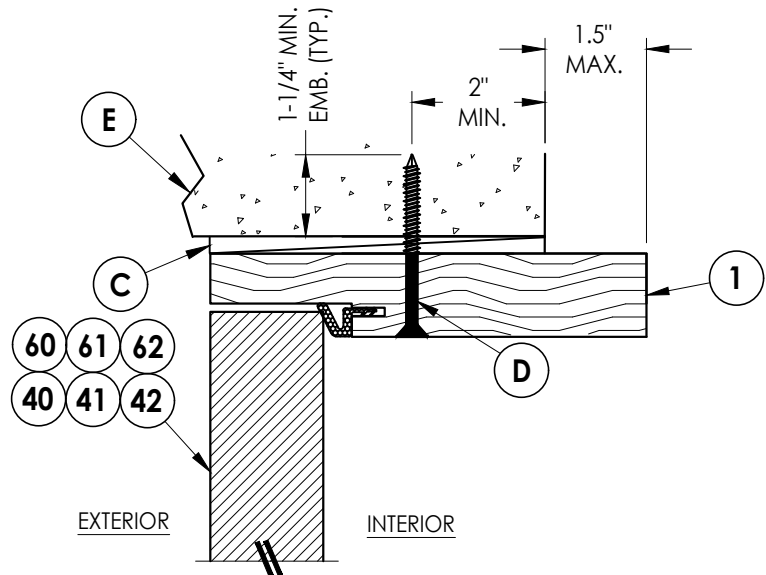
1. Sidelite assembly screws located 8" from top and 8" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end (2 screws along head jamb).

[illegible]

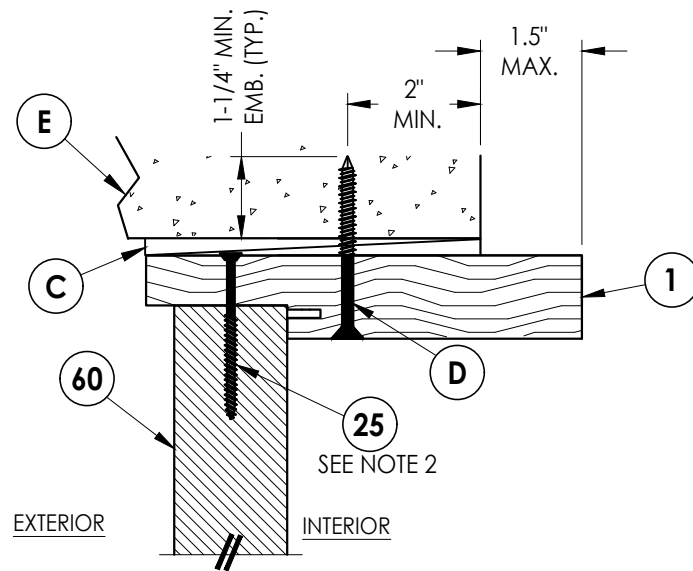
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

RW
BUILDING CONSULTANTS, INC.
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Phone No.: 813.659.9197
FBPE Registry No. 9813

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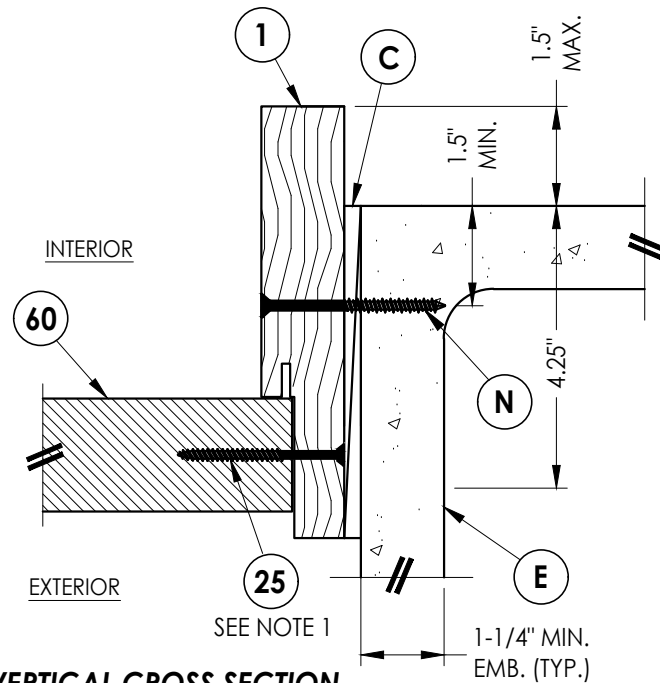
2
8 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16\"/>



3
8 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16\"/>

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

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

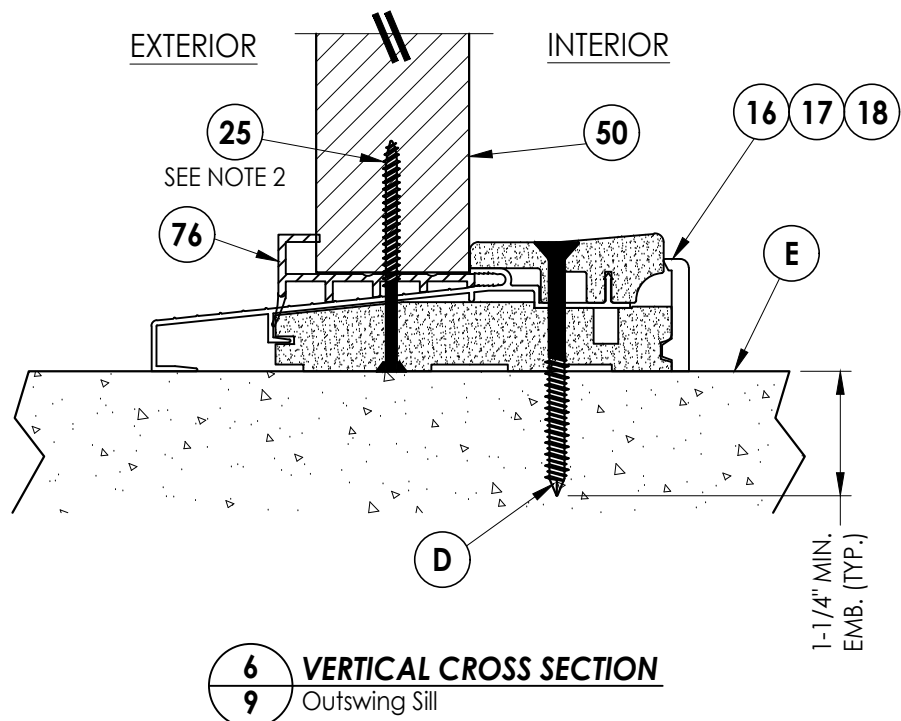
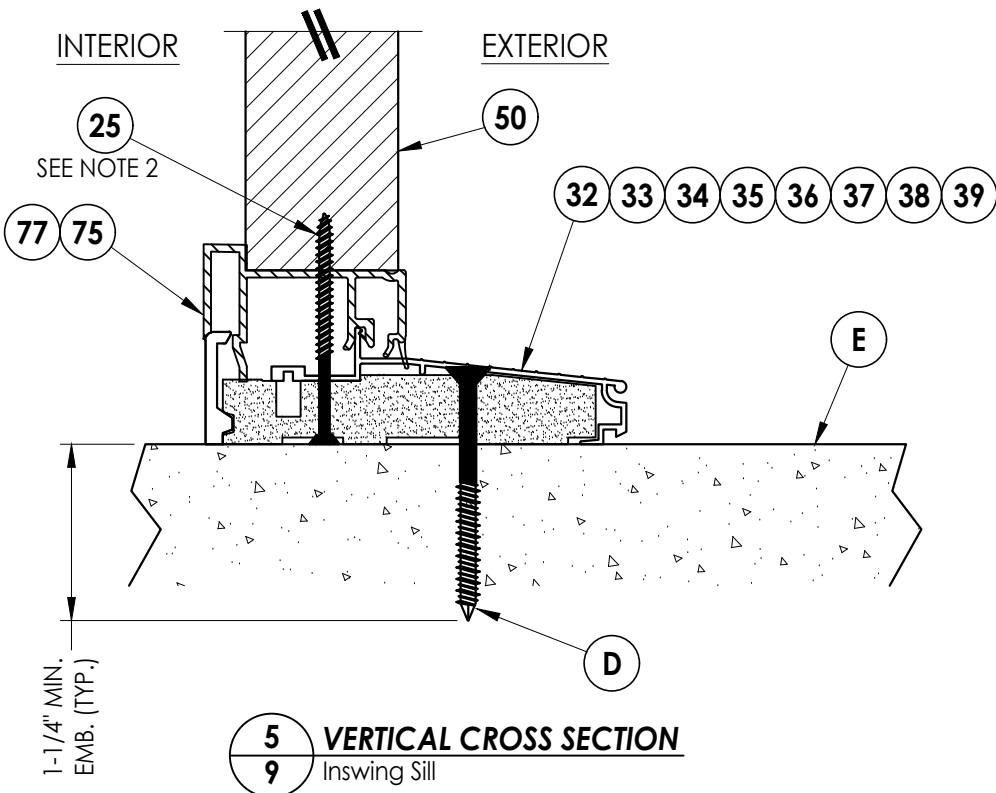
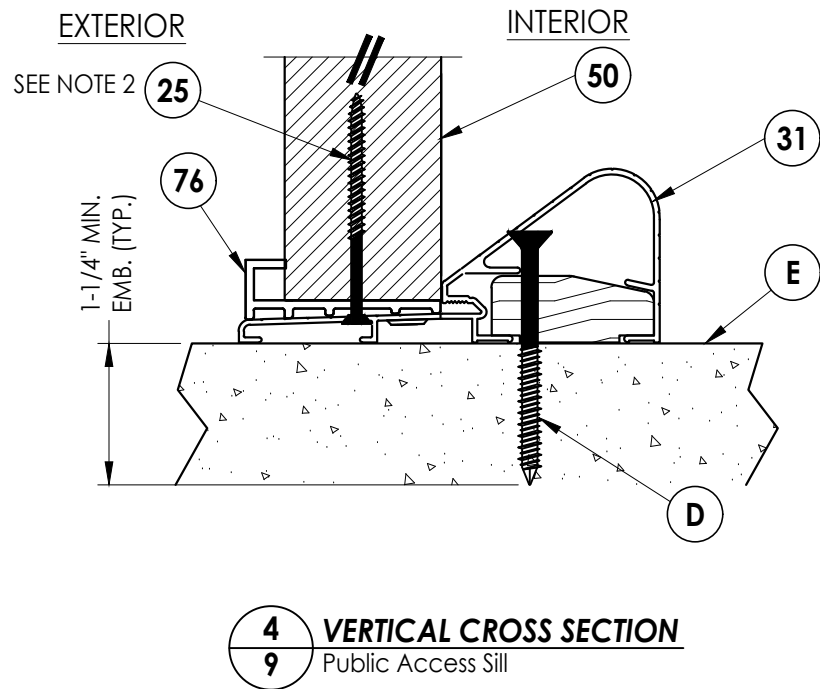
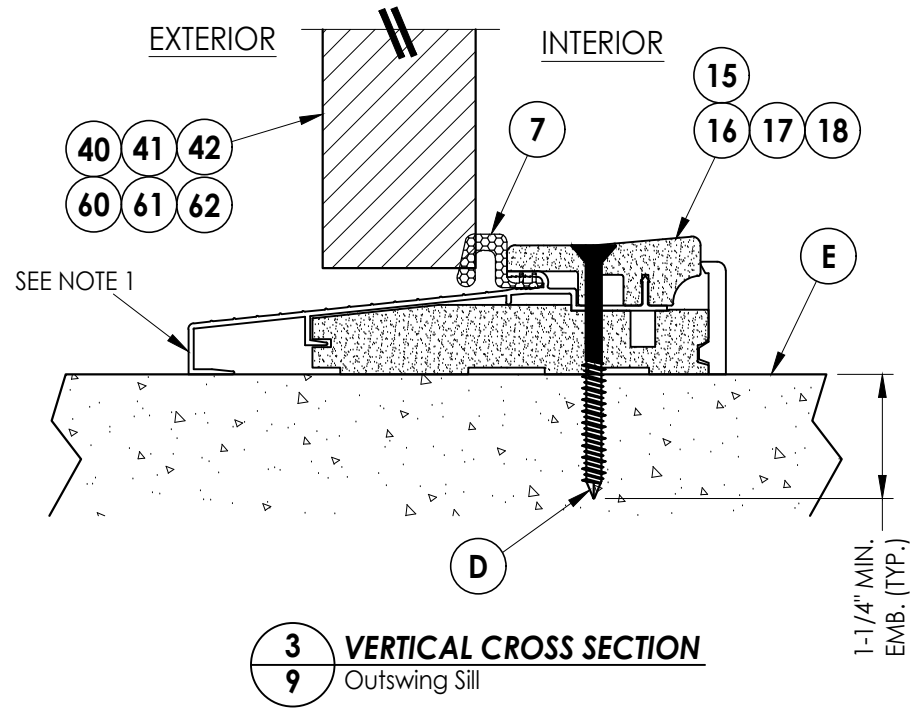
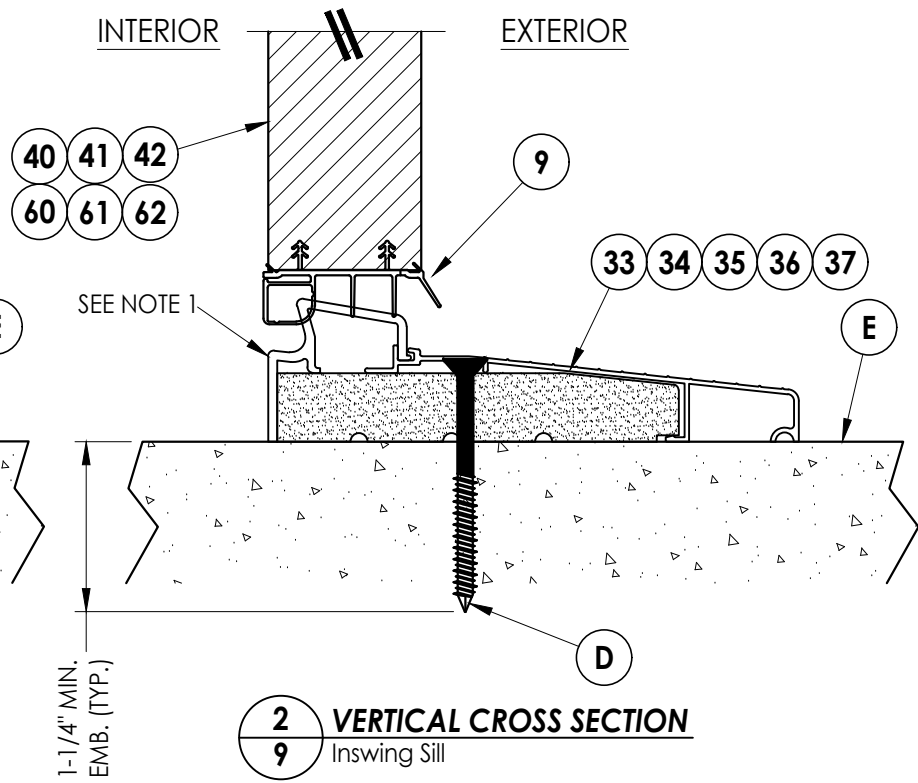
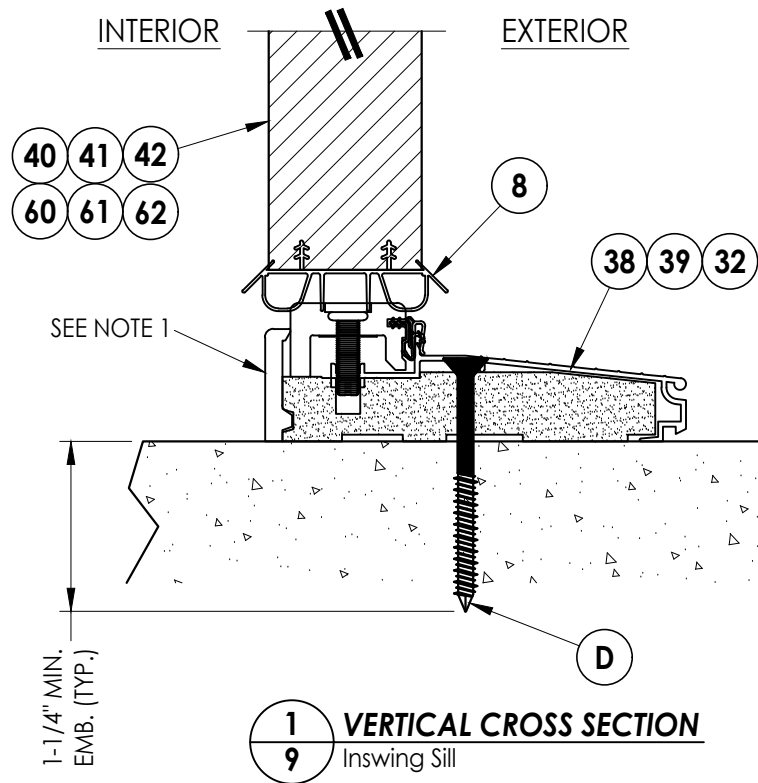
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: THERMA-TRU STEEL DOOR
PART OR ASSEMBLY: HORIZONTAL & VERTICAL SECTIONS (DIRECT TO MASONRY)

NO.	DATE	REVISIONS
3	7/02/26	UPDATE TO 9TH ED. (2026) FBC
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-23507.5
SHEET 8 OF 14

- 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" pph screws at each end.
Sill Item #'s 16 & 33 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).



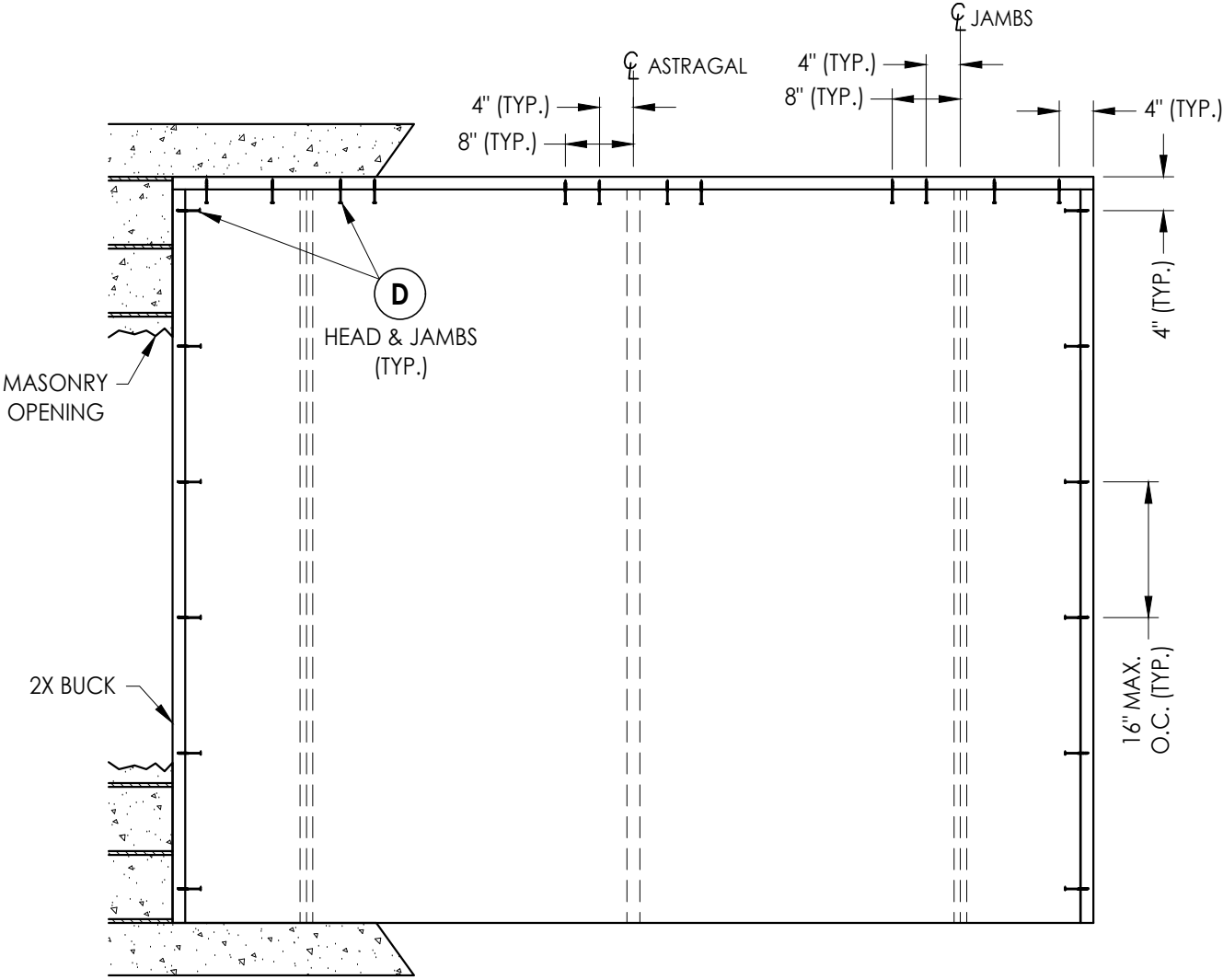
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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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: VERTICAL CROSS SECTIONS (THRESHOLDS)

REVISIONS			
NO	DATE	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: 10/12/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.: FL-23507.5
SHEET 9 of 14



OXXO

2X BUCK ANCHORING

DATE: 10/12/17	
SCALE: N.T.S.	
DWG. BY: JK	
CHK. BY: LFS	
DRAWING NO.: FL-23507.5	
SHEET 10 OF 14	

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

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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PRODUCT: _____

THERMA-TRU
 STEEL DOOR

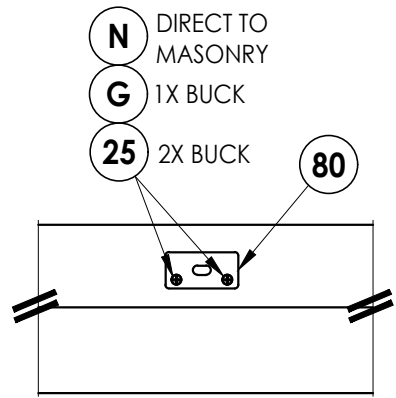
PART OR ASSEMBLY:

FRAME ANCHORING

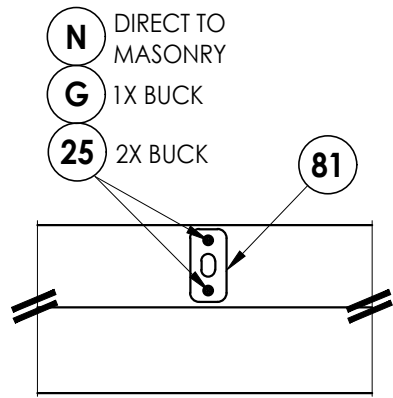
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

Bar BUILDING CONSULTANTS, INC.

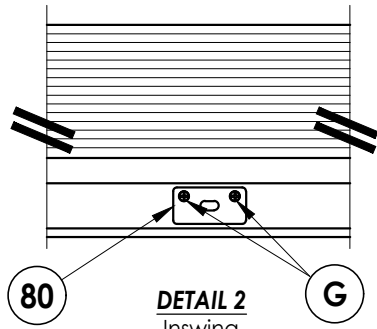
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



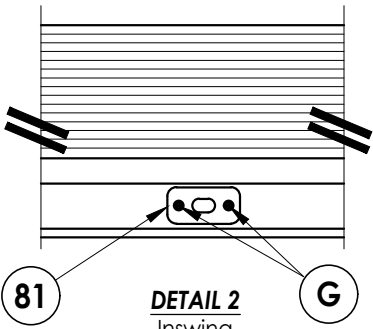
DETAIL 1
Coastal Astragal Strike Plate @ Head



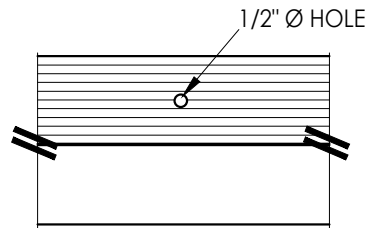
DETAIL 1
Standard Astragal Strike Plate @ Head



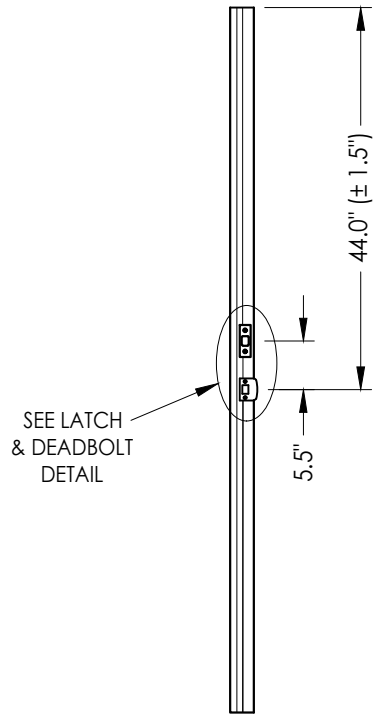
Coastal Astragal Strike Plate @ Sill



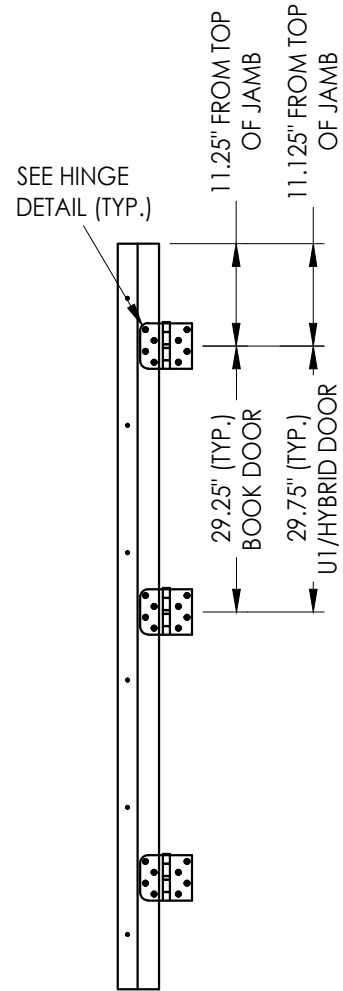
Standard Astragal Strike Plate @ Sill



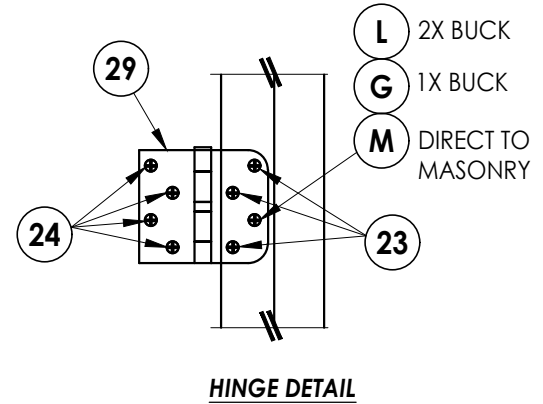
DETAIL 2
Outswing
Astragal Bolt Hole @ Sill



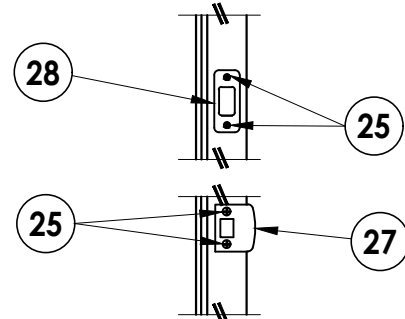
ASTRAGAL
Latch and Deadbolt



HINGE JAMB



HINGE DETAIL



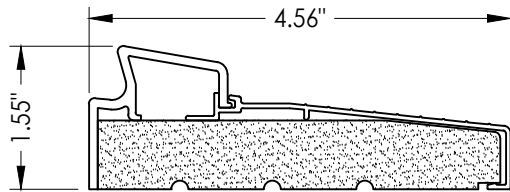
LATCH & DEADBOLT DETAIL
Schlage / Kwikset

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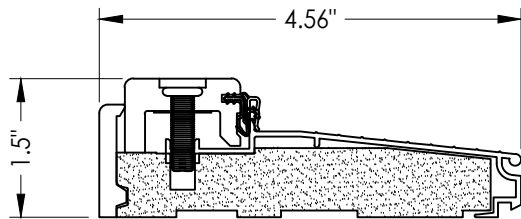
Documents Prepared By:
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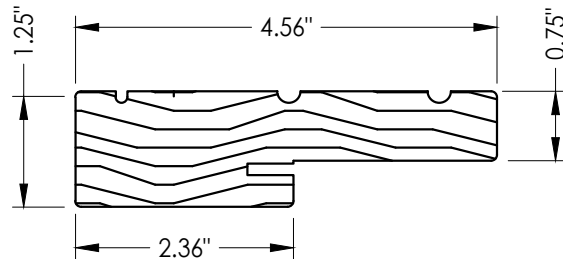
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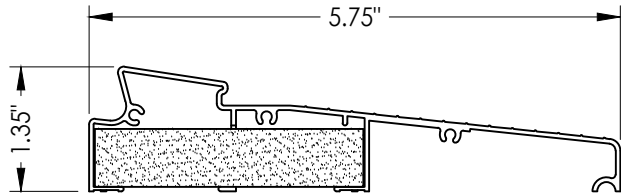
33 INSWING THRESHOLD
Inswing Basic Fixed Sill



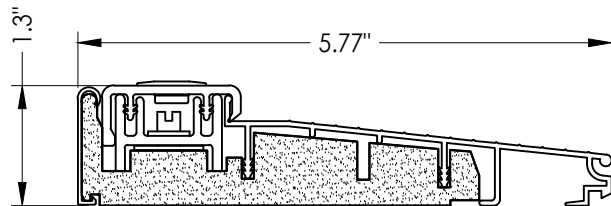
38 INSWING THRESHOLD
Inswing Composite Adjustable Sill



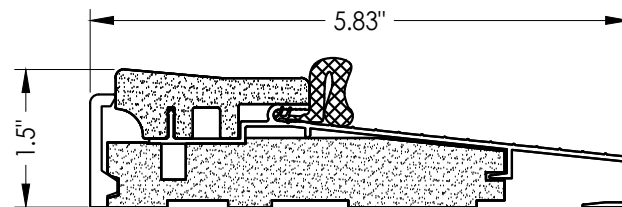
1 WOOD JAMB



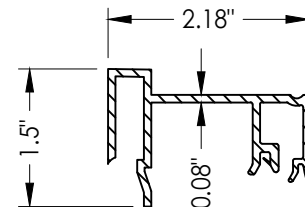
34 INSWING THRESHOLD
Inswing Moderate Climate Sil 1-3/8"



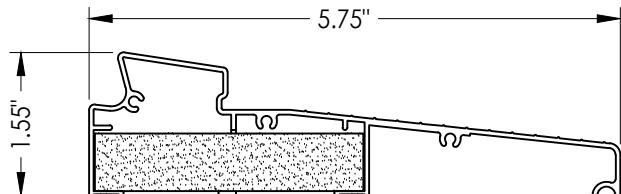
39 INSWING THRESHOLD
Inswing Basic Composite Adjustable Sill



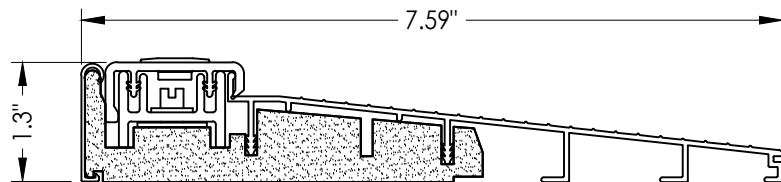
16 OUTSWING THRESHOLD *
Composite Sill



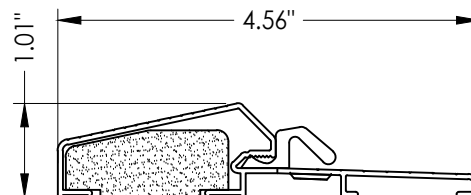
75 SIDELITE SPACER
Inswing



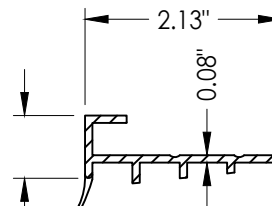
35 INSWING THRESHOLD
Inswing Moderate Climate Sil



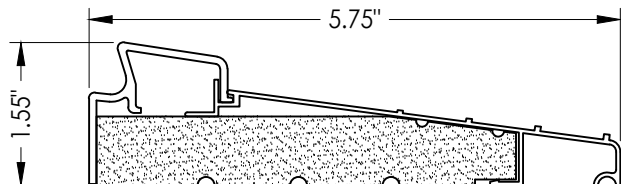
32 INSWING THRESHOLD
Inswing Basic Composite Adjustable Sill 7-1/2"



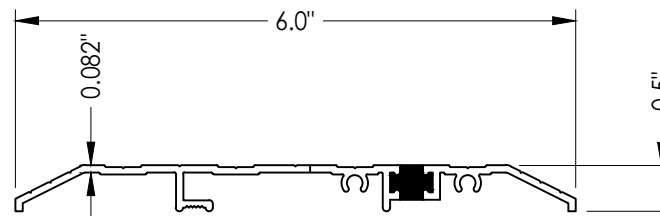
17 OUTSWING THRESHOLD *
Composite / Aluminum Sill



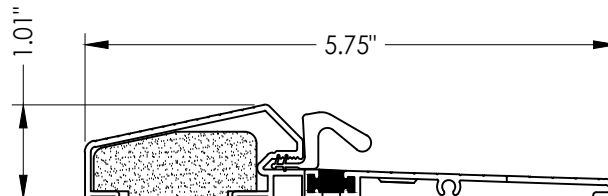
76 SIDELITE SPACER
Outswing



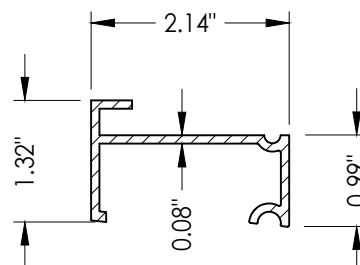
36 INSWING THRESHOLD
Inswing Basic Fixed 5-3/4" Sill



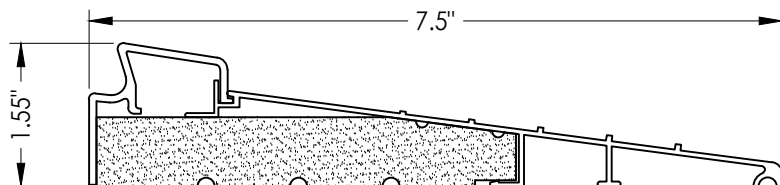
15 PUBLIC ACCESS THRESHOLD



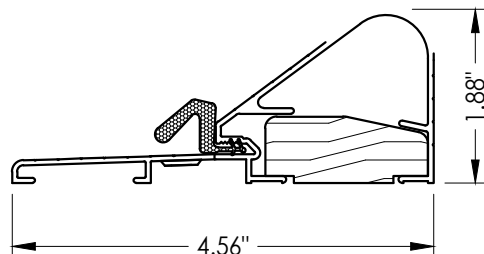
18 OUTSWING THRESHOLD *
Composite / Aluminum Sill
(Thermal Break)



77 SIDELITE SPACER
Inswing

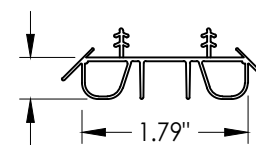


37 INSWING THRESHOLD
Inswing Basic Fixed 7-1/2" Sill

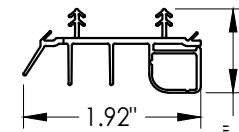


31 OUTSWING
Threshold coastal

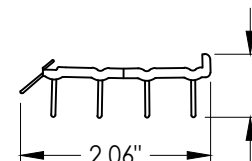
* Max. Positive Design Pressure = +55 PSF
(Where water infiltration is required)



8 SWEEP



9 SWEEP



10 SWEEP

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
3	7/02/26	UPDATE TO 9TH ED. (2026) FBC
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-23507.5

SHEET 13 OF 14

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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	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:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:

THERMA-TRU
STEEL DOOR

PART OR ASSEMBLY:

BILL OF MATERIALS

REVISIONS

NO.	DATE	DESCRIPTION
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DATE:

10/12/17

SCALE:

N.T.S.

DWG. BY:

JK

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LFS

DRAWING NO.:

FL-23507.5

SHEET

14

OF

14

RW

BUILDING CONSULTANTS, INC.
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