



Profiles™ & Traditions

**WOOD EDGE
GLAZED STEEL SINGLE DOOR
w/ SIDELITE(S)
INSWING/OUTSWING
"IMPACT"**

GENERAL NOTES

1. This product evaluation drawing has been developed in compliance with the 9th Edition (2026) Florida Building Code (FBC) 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" this product complies with Section 1626 of the FBC and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection, this product complies with FBC Sections 1609.1.2 & R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996.

For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck

5. masonry construction.

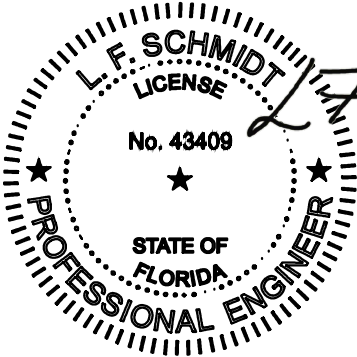
Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed

6. engineer or registered architect.

Outswing configurations using Sill numbers 16,17,18 & 31 meet the water infiltration requirements for the

7. "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.

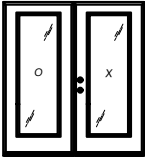
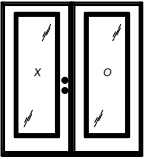
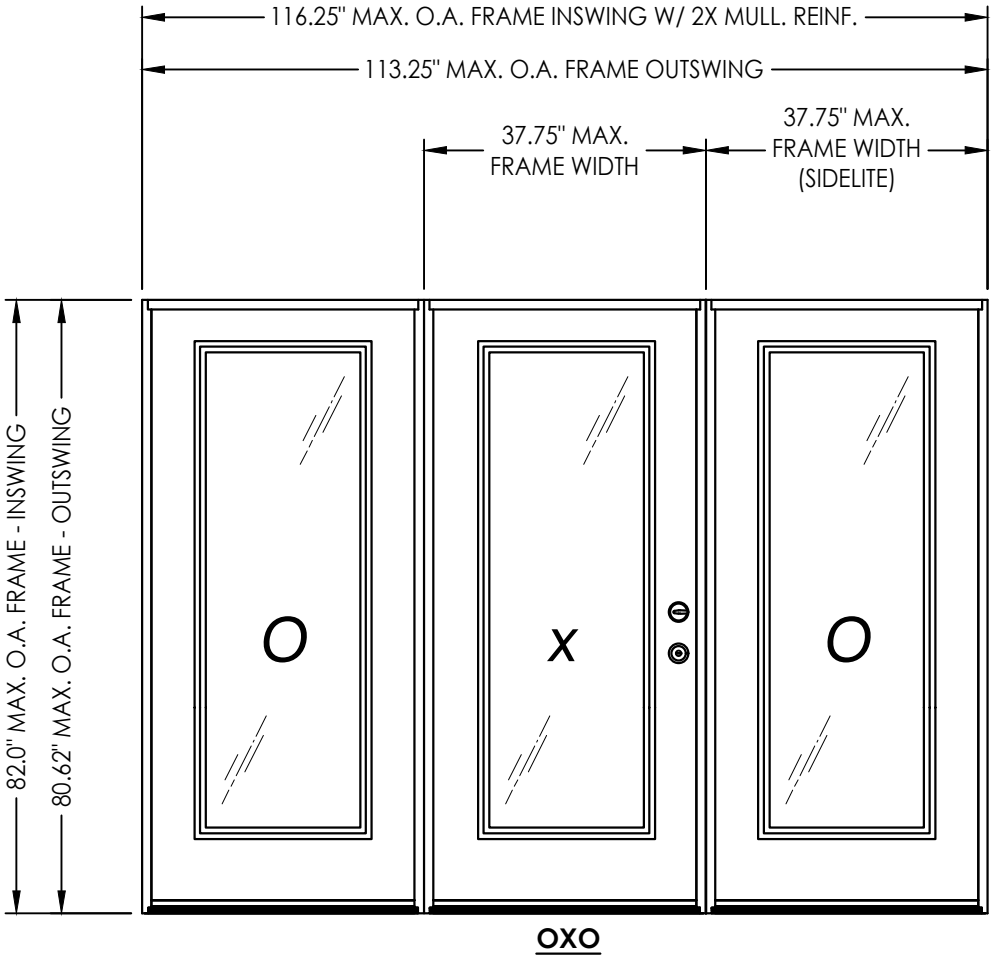
TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET #	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes	10	Vertical Cross Sections (Thresholds)
2	Door Panel Details "Profiles"	11	Buck Anchoring
3	Door Panel Details "Traditions"	12	Frame Anchoring
4	Sidelite Panel Details	13	Frame Anchoring
5	Elevations	14	Hardware Details
6	Horizontal Cross Sections	15	Glazing Details
7	Horizontal & Vertical Cross Sections (2X Buck)	16	Components
8	Horizontal & Vertical Cross Sections (1X Buck)	17	Bill of Materials
9	Horizontal & Vertical Cross Sections (Direct to Masonry)		



Digitally signed by Lyndon F Schmidt
Date: 2026.08.07 16:24:00 -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

OXXO

CONFIGURATION	SWING	OVERALL FRAME DIMENSION	DESIGN PRESSURE (PSF)	
			POSITIVE	NEGATIVE
XO, OX	INSWING	76.50" x 82.0"	+47.0	-53.0
XO, OX	OUTSWING	75.0" x 80.62"	+50.0	-50.0
OXO	INSWING	116.25" x 82.0"	+47.0	-53.0
OXO	OUTSWING	113.25" x 80.62"	+50.0	-50.0

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

PRODUCT: THERMA-TRU STEEL DOOR

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

[illegible]

DATE: 10/12/17

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-23507.10

SHEET 1 OF 17

Diagram 40: DOOR PANEL BOOK. Dimensions: 36.0" MAX. DOOR PANEL WIDTH, 79.25" MAX. DOOR PANEL HEIGHT, 5.5" offset.

Diagram 41: DOOR PANEL Hybrid Door. Dimensions: 35.813" MAX. DOOR PANEL WIDTH, 79.25" MAX. DOOR PANEL HEIGHT, 5.5" offset.

Diagram 42: DOOR PANEL U1 Door. Dimensions: 35.813" MAX. DOOR PANEL WIDTH, 79.06" MAX. DOOR PANEL HEIGHT, 5.5" offset.

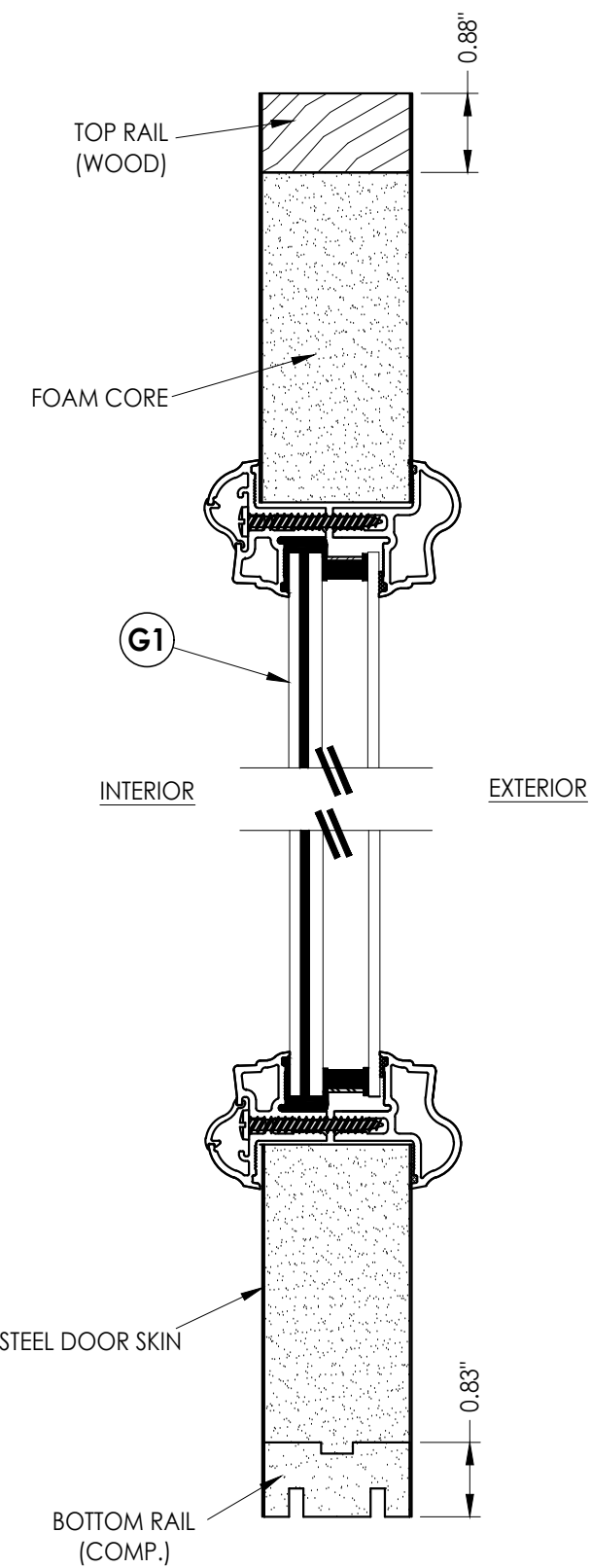
2 VERTICAL CROSS SECTION

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

DATE:	10/12/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-23507.10
SHEET	2 OF 17

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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

DATE: 10/12/17		DRAWING NO.: FL-23507.10	
SCALE: N.T.S.		SHEET 3 OF 17	
DWG. BY: JK		CHK. BY: LFS	
NO.		DATE	
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
NO.		BY	
REVISIONS			
PRODUCT:		THERMA-TRU STEEL DOOR	
PART OR ASSEMBLY:		"TRADITIONS" DOOR PANEL DETAILS	
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	

Technical drawing of a rectangular panel. The overall dimensions are 36.0" MAX. SIDELITE PANEL WIDTH (horizontal) and 79.25" MAX. SIDELITE PANEL HEIGHT (vertical). The drawing includes a central rectangular area with a double-line border and a dashed diagonal line. A circle with the number 1/4 is positioned to the left of the panel, and a circle with the number 2/4 is positioned above the panel. A triangle is located at the bottom center of the panel.

Technical cross-section diagram of a door assembly, showing the interior and exterior views.

Interior View (Top):

- TOP RAIL (COMP.)**: The top rail component, with a thickness of **0.94"**.
- FOAM CORE**: The insulating foam core.
- G1**: A label indicating a specific component or material.
- INTERIOR**: The side of the door facing the interior.

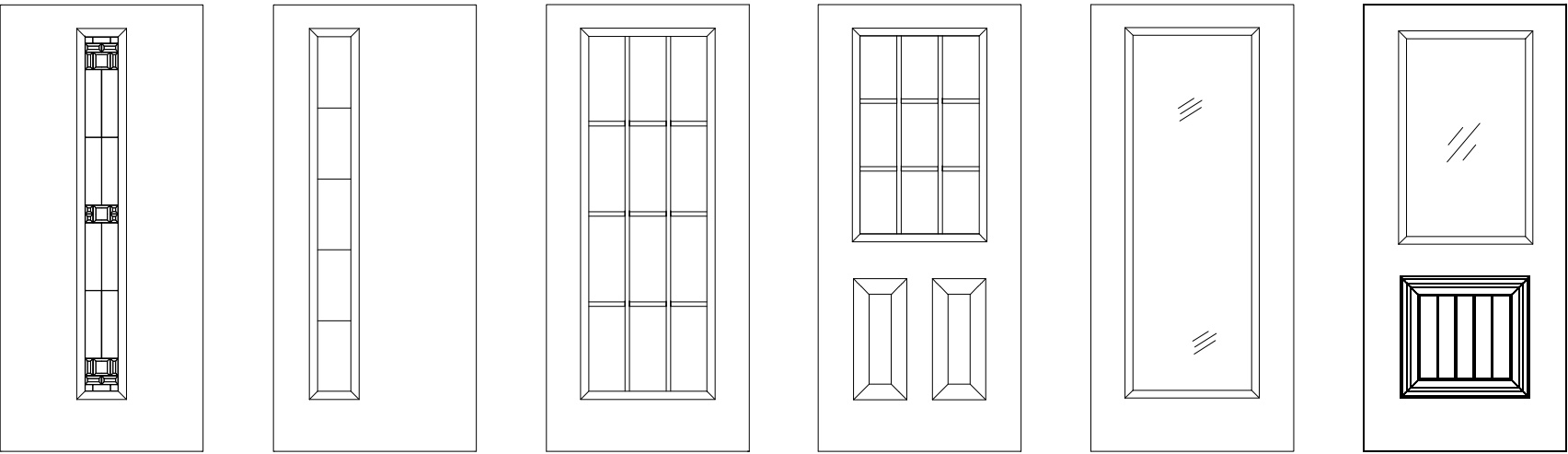
Exterior View (Bottom):

- STEEL DOOR SKIN**: The outer skin of the door.
- FOAM CORE**: The insulating foam core.
- BOTTOM RAIL (COMP.)**: The bottom rail component, with a thickness of **0.55"**.
- EXTERIOR**: The side of the door facing the exterior.

2 **VERTICAL CROSS SECTION**
4

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: SIDELITE PANEL / GLAZING DETAILS		 BUILDING CONSULTANTS, INC. P.O. Box 230, Vairico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-23507.10					
SHEET 4 OF 17					
NO. DATE		REVISONS			
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2	8/17/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
1	2/23/20	UPDATE TO 201 (2020)	FBC	RW	

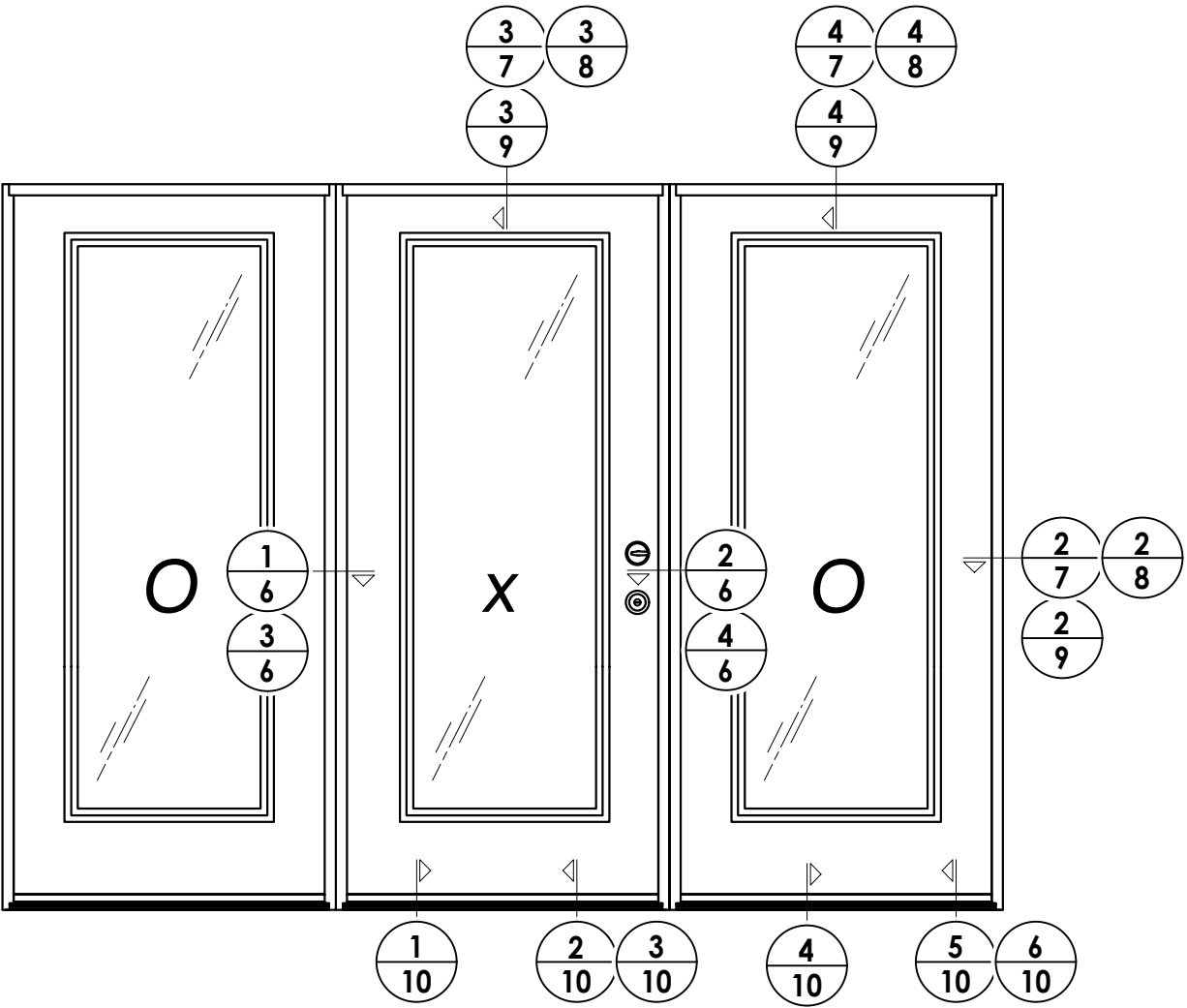
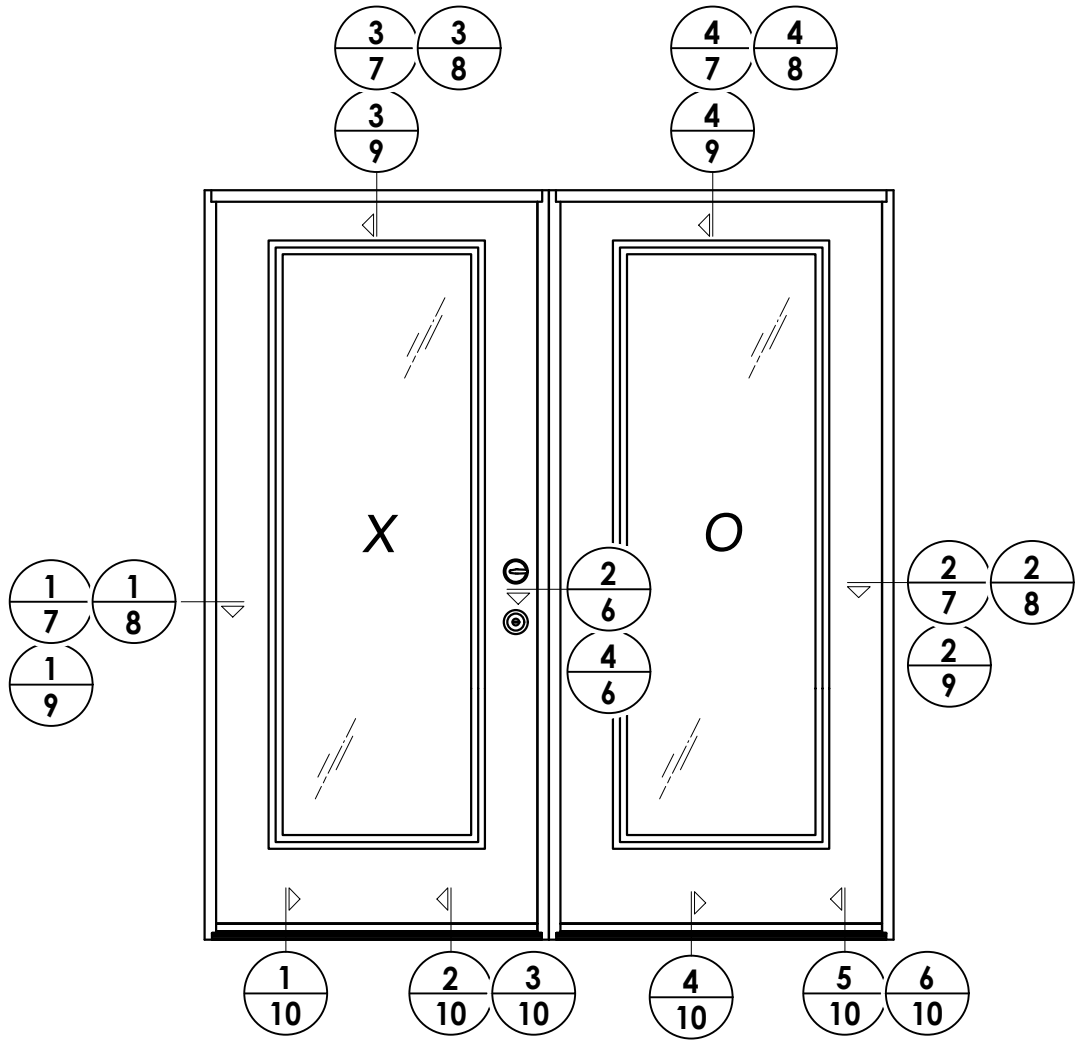
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PROFILES/TRADITIONS Steel Door Panel Options

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)



REVISIONS			
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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.:

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SHEET 5 OF 17

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THERMA-TRU
STEEL DOOR

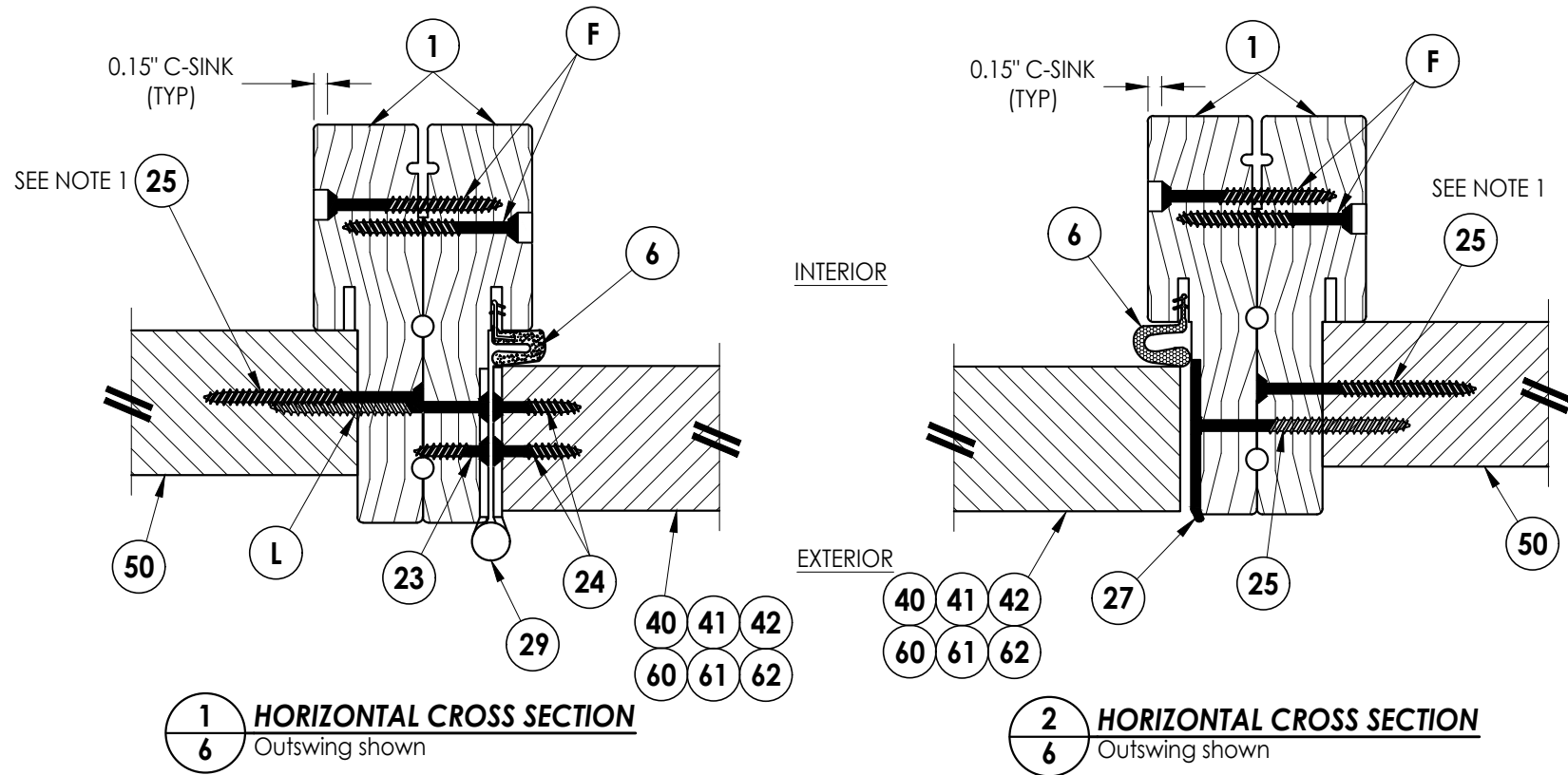
PART OR ASSEMBLY:

ELEVATIONS

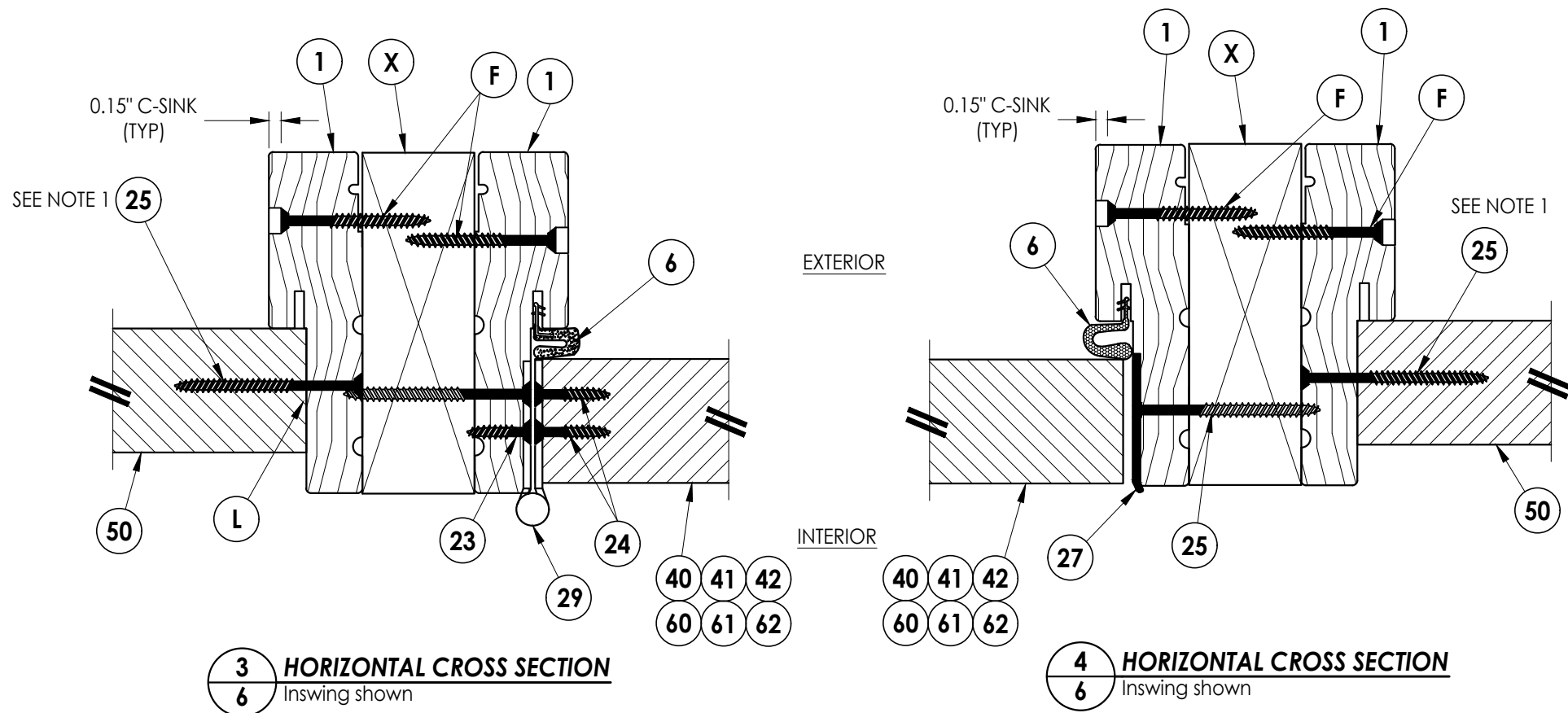
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Notes:
1. Sidelite assembly screws located 7" from top and 14" from bottom &
2 more screws equally spaced between (4 screws total per side jamb).



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PRODUCT:
THERMA-TRU
STEEL DOOR

PART OR ASSEMBLY:
HORIZONTAL
CROSS SECTIONS

NO.	DATE	REVISIONS
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.

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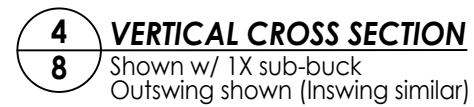
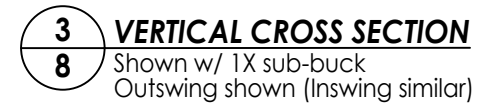
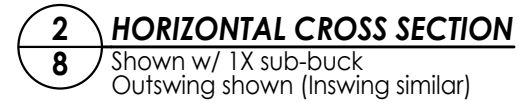
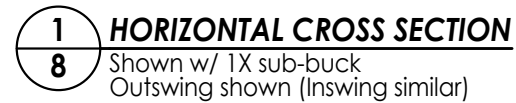
CHK. BY: LFS

DRAWING NO.:

FL-23507.10

SHEET 6 OF 17

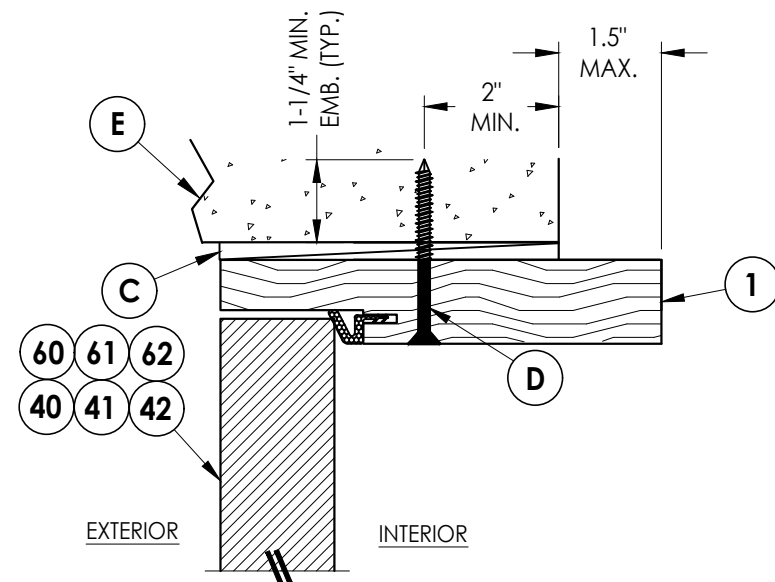
1. Sidelite assembly screws located 7" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end (2 screws along head jamb).

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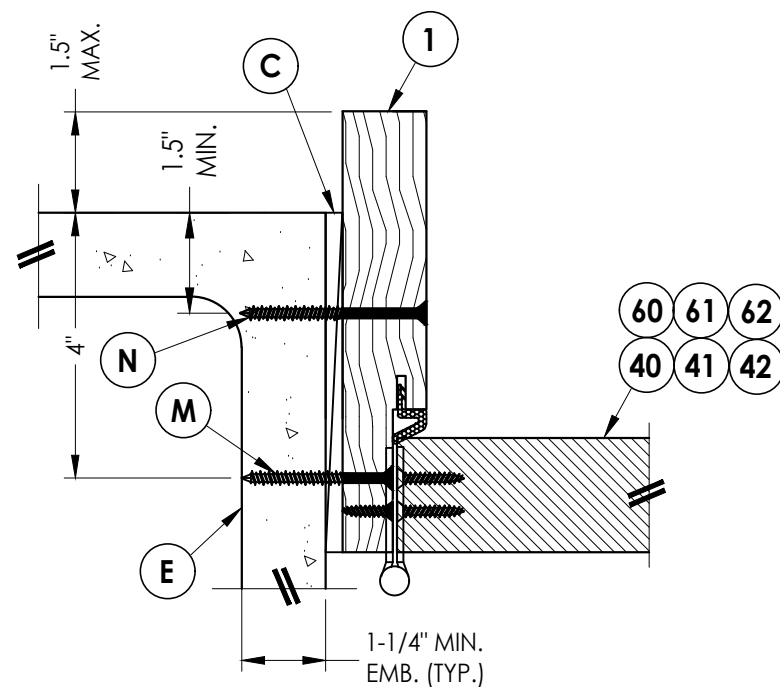
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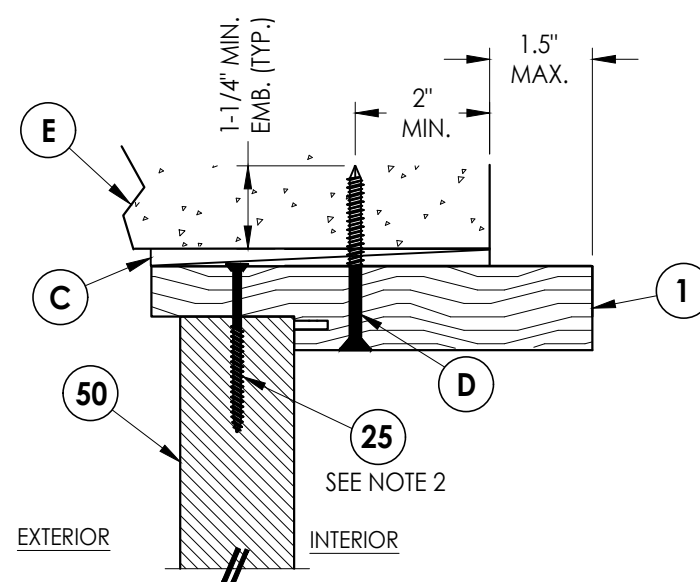
3 **HORIZONTAL CROSS SECTION**
9 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb

Notes:

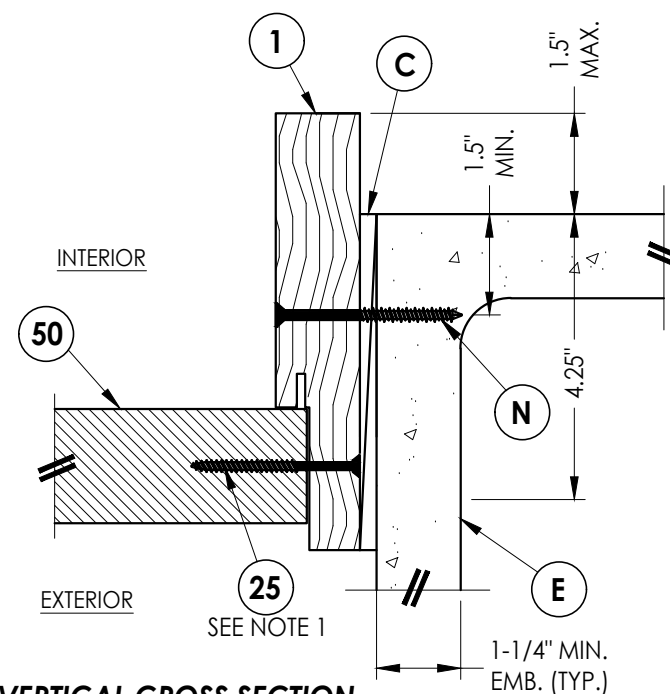
1. Sidelite assembly screws located 7" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
2. Sidelite assembly screws located 3" from each end (2 screws along head jamb).



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



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

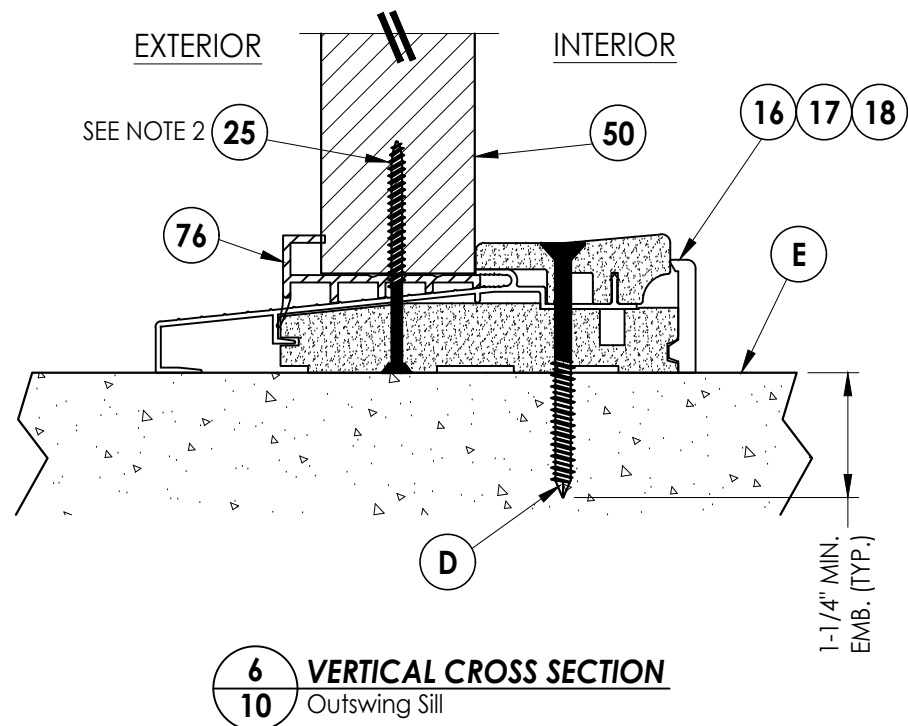
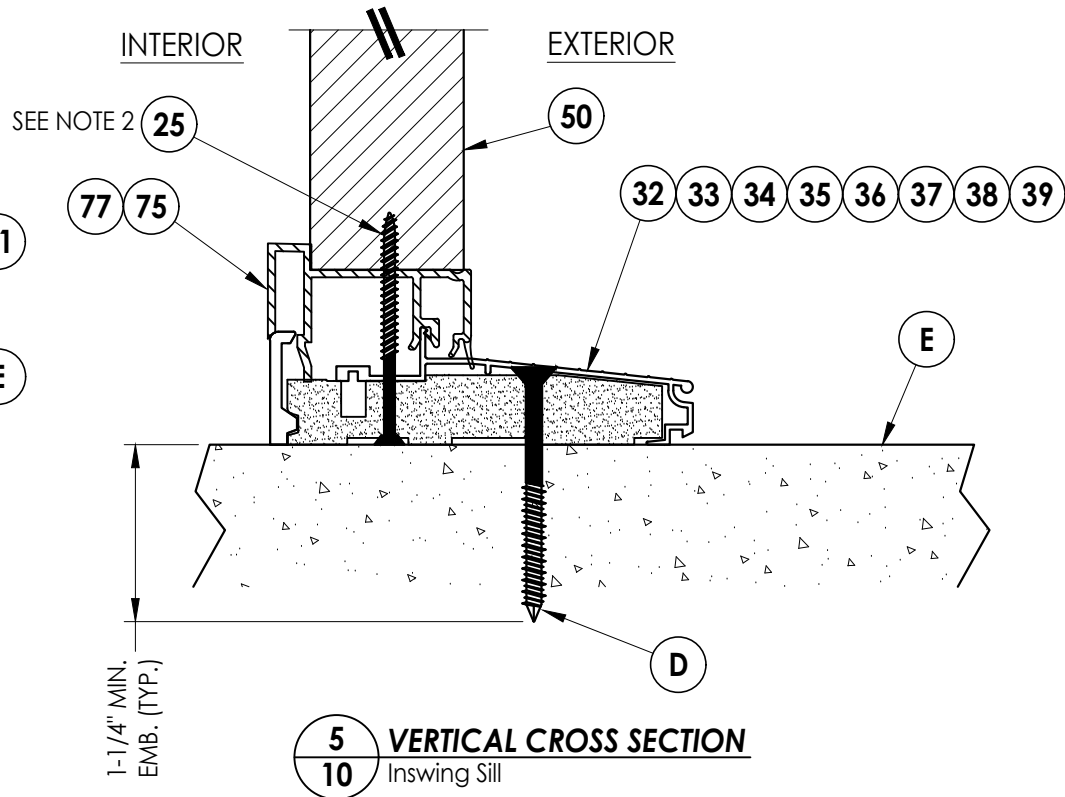
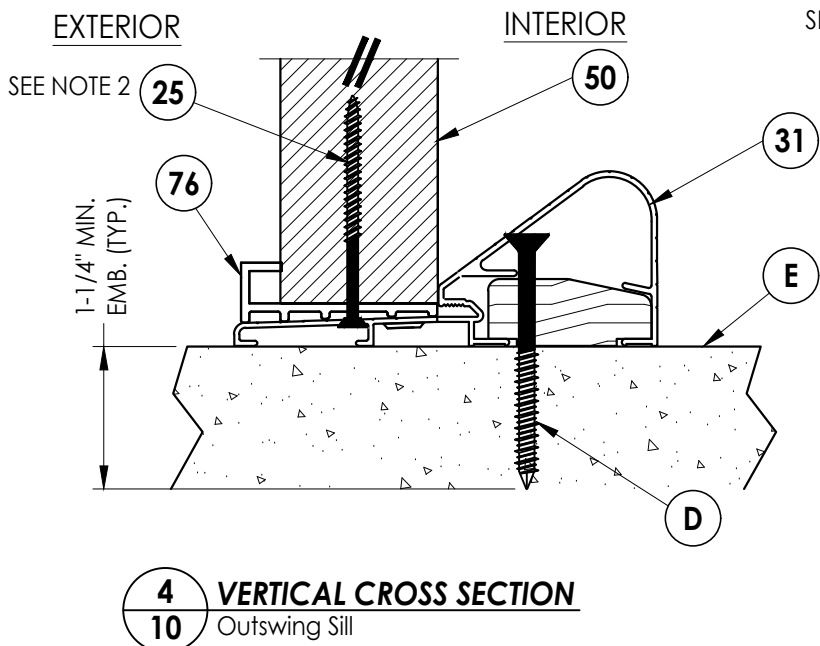
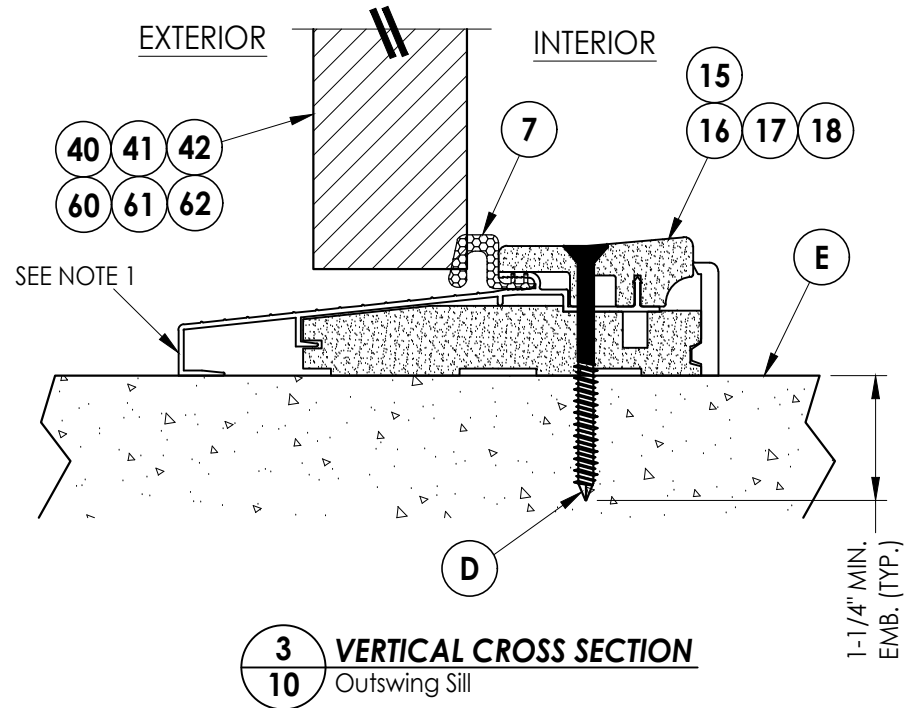
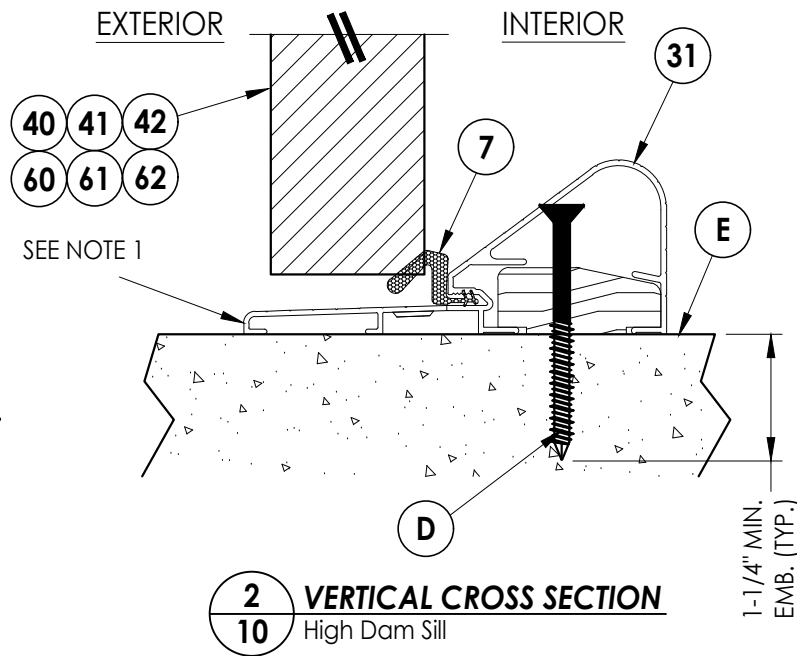
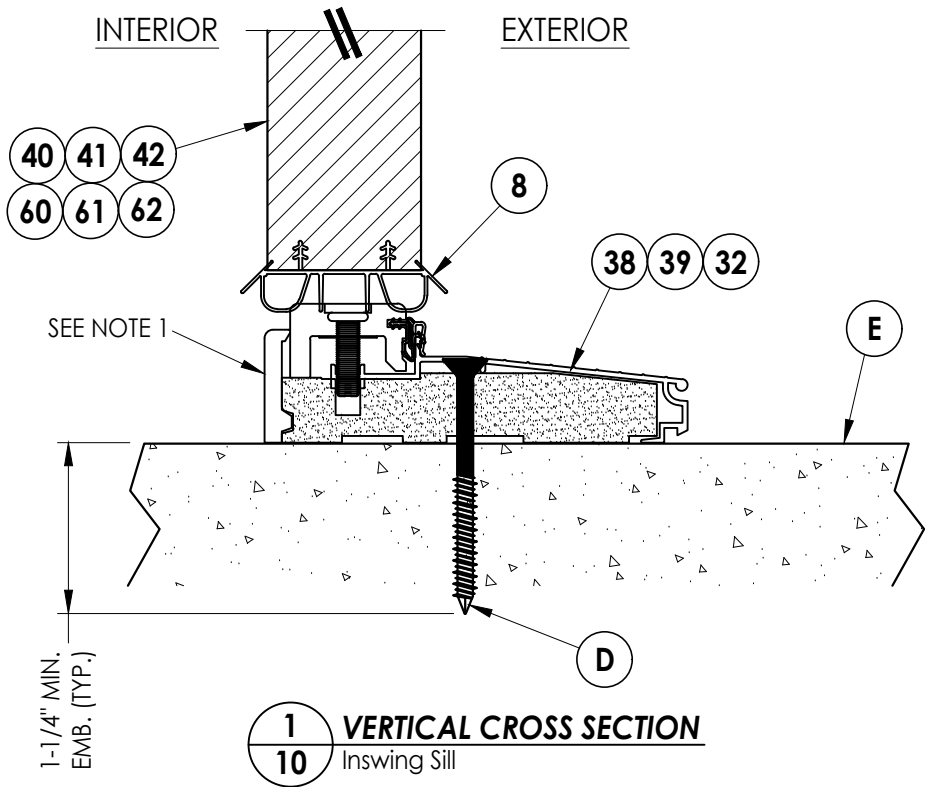


2 **VERTICAL CROSS SECTION**
9 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb

DATE: 10/12/17		SCALE: N.T.S.		DWG. BY: JK		CHK. BY: LFS		DRAWING NO.: FL-23507.10		SHEET 9 OF 17	
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						
NO.	DATE										
											REVISIONS
PRODUCT: THERMA-TRU STEEL DOOR PART OR ASSEMBLY: HORIZONTAL & VERTICAL SECTIONS (DIRECT TO MASONRY)											
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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- Notes:
- Sill Item #'s 17, 18, 32, 34, 35, 36, 37, 38 & 39 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item #'s 16 & 33 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 screws at each end.
 - Sidelite assembly screws located 4" from each end (2 screws along sill).



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P.E. No. 43409

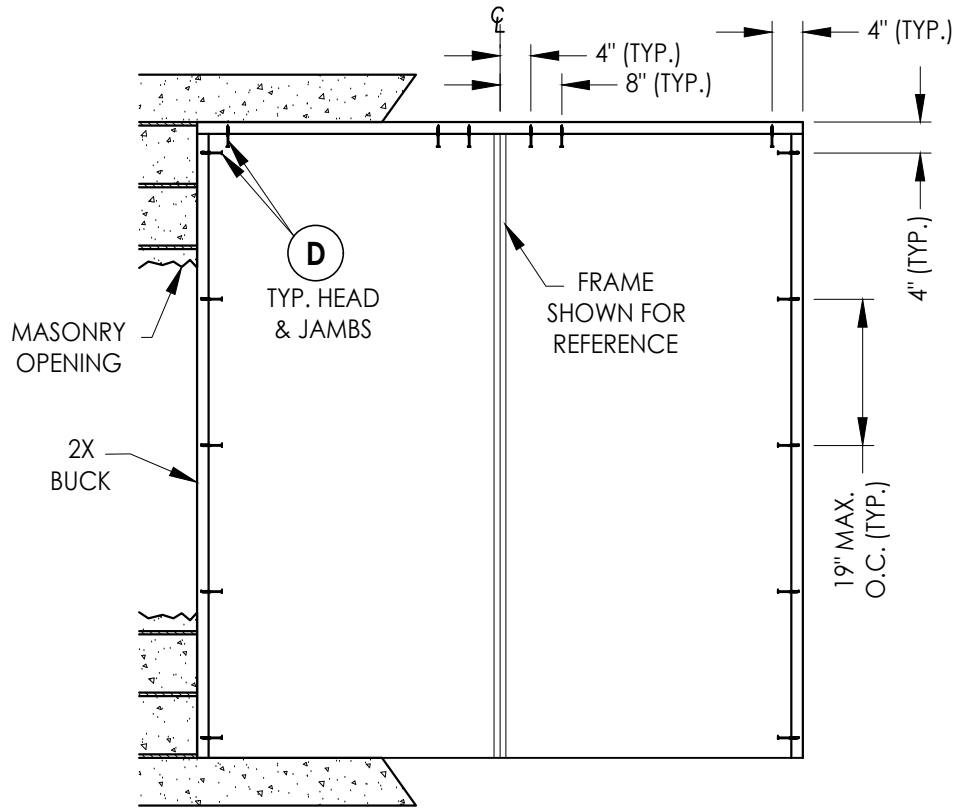
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P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: THERMA-TRU
STEEL DOOR
PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

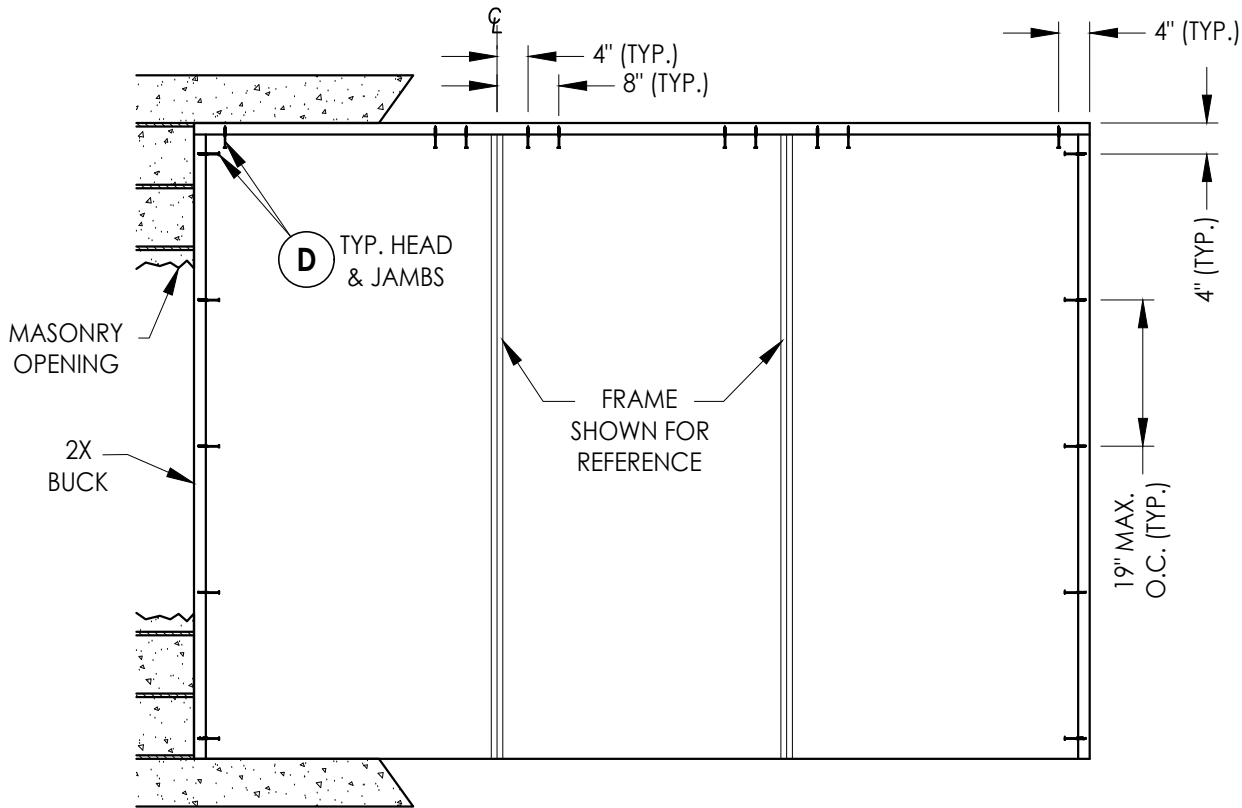
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2	8/17/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/15/20	UPDATE TO 7th ED (2020) FBC PO

DATE: 10/12/17
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-23507.10
SHEET 10 OF 17

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XO/OX



OXO

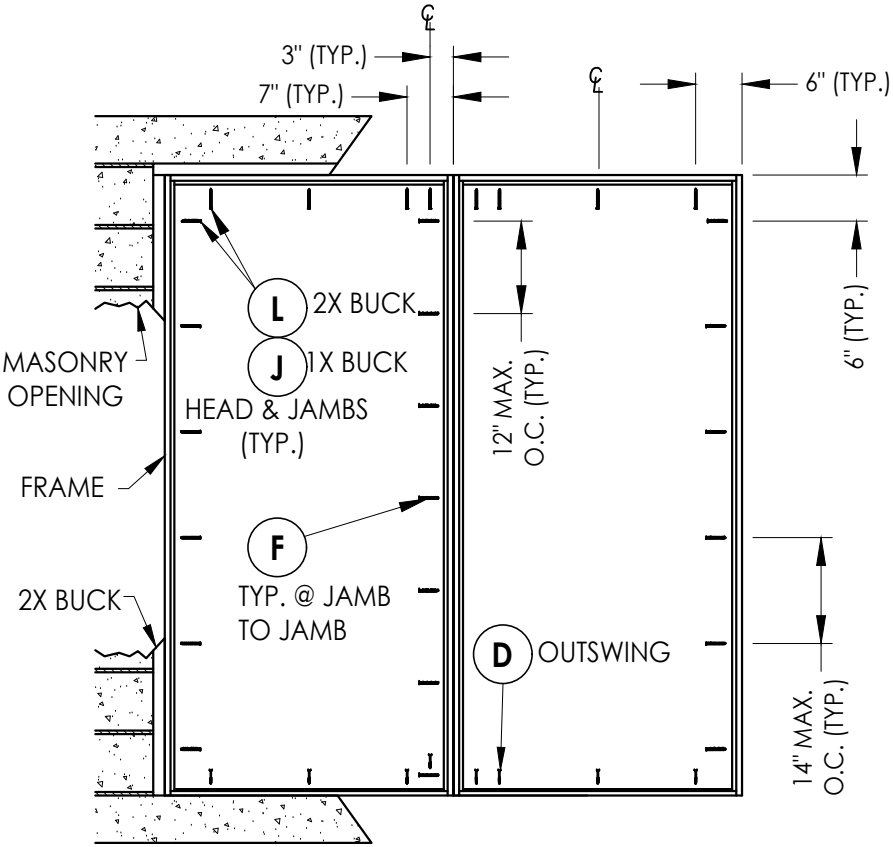
2X BUCK ANCHORING

NO.	DATE	REVISIONS
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

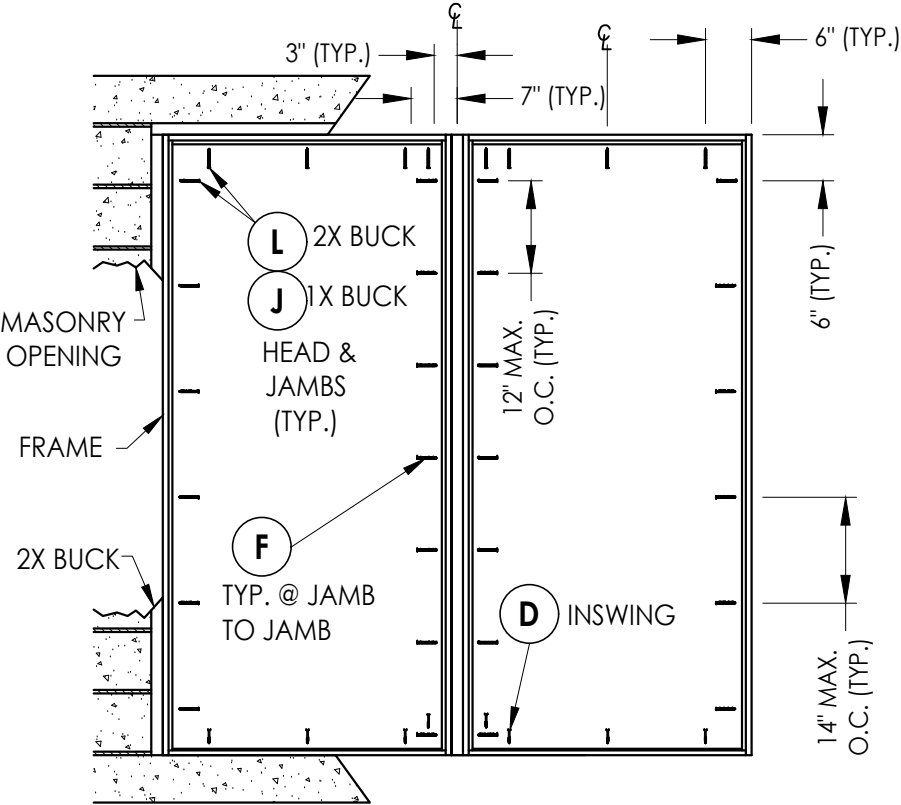
DATE:	10/12/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-23507.10
SHEET	11 OF 17

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

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OUTSWING OX/XO



INSWING OX/XO

FRAME ANCHORING

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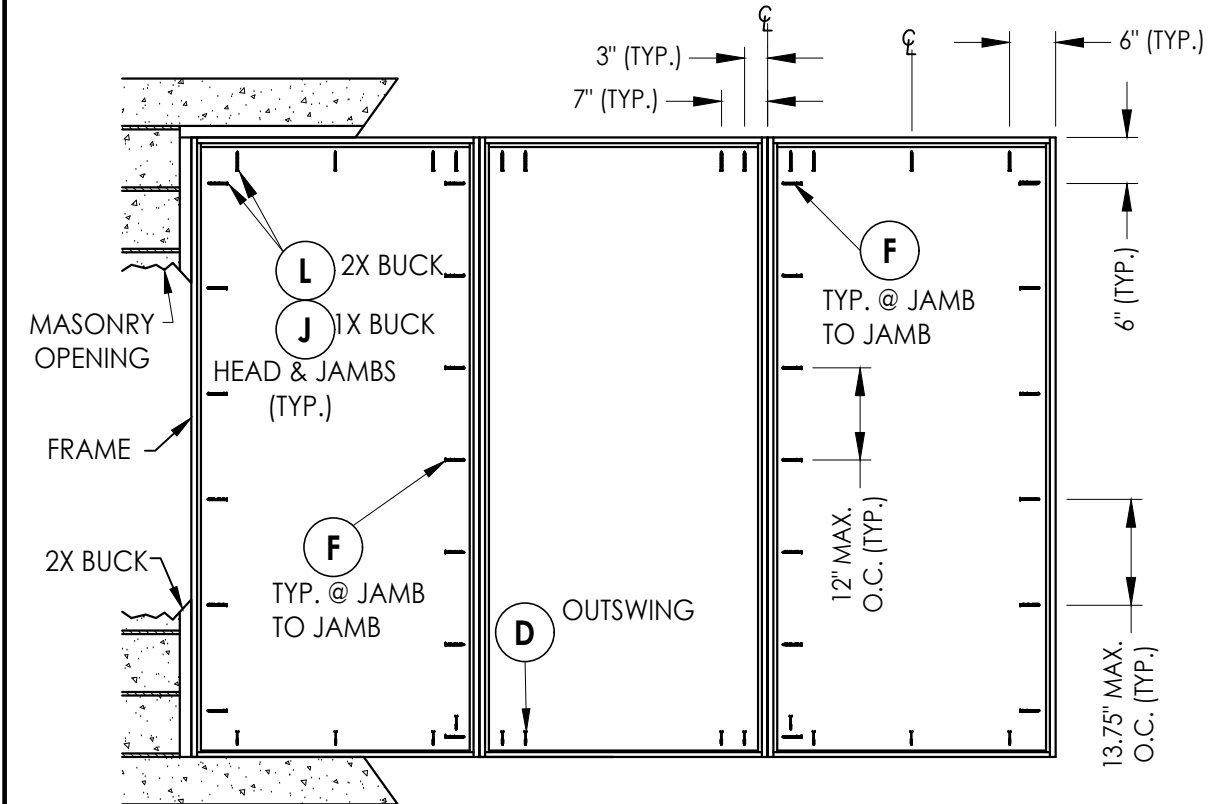
PRODUCT: THERMA-TRU
STEEL DOOR

PART OR ASSEMBLY: FRAME ANCHORING 2X
BUCK MASONRY CONSTRUCTION

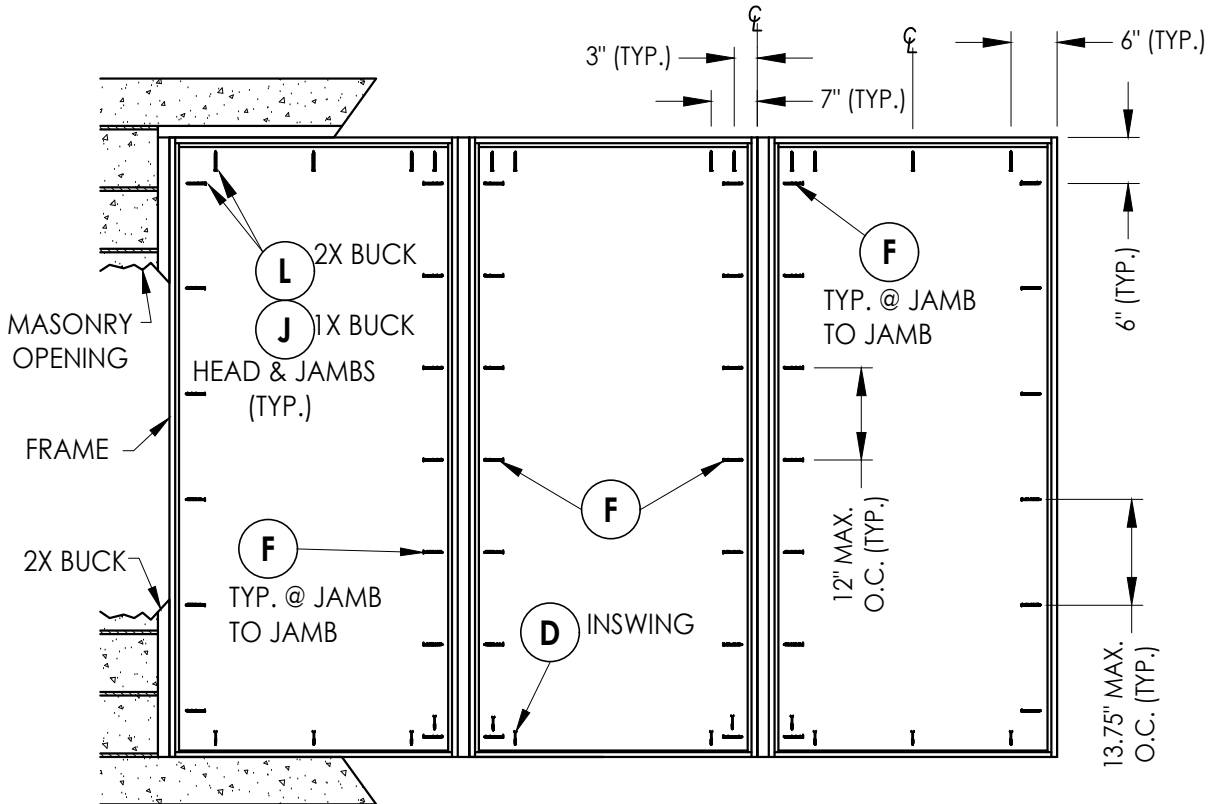
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OUTSWING OXO



INSWING OXO

FRAME ANCHORING

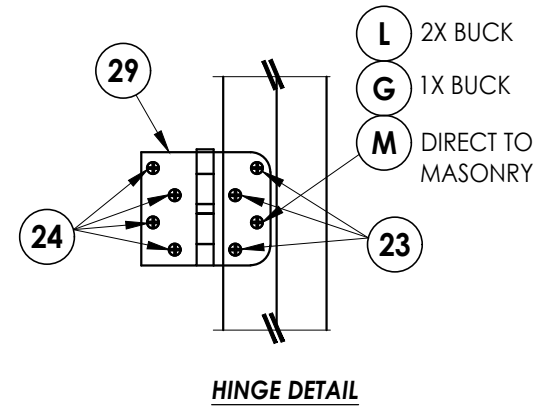
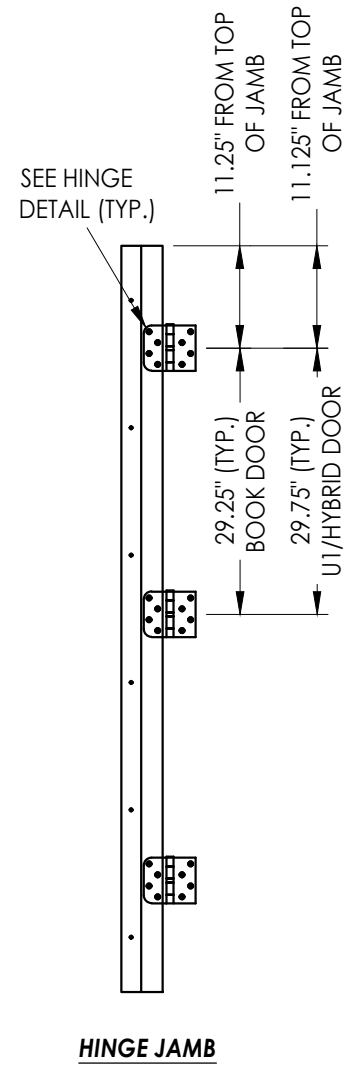
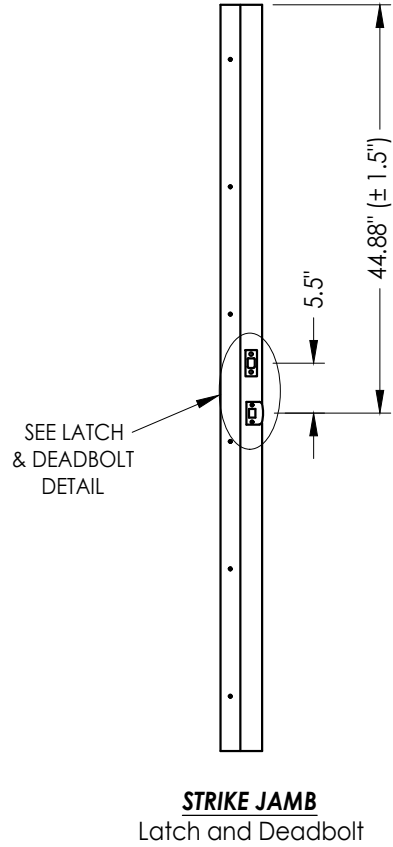
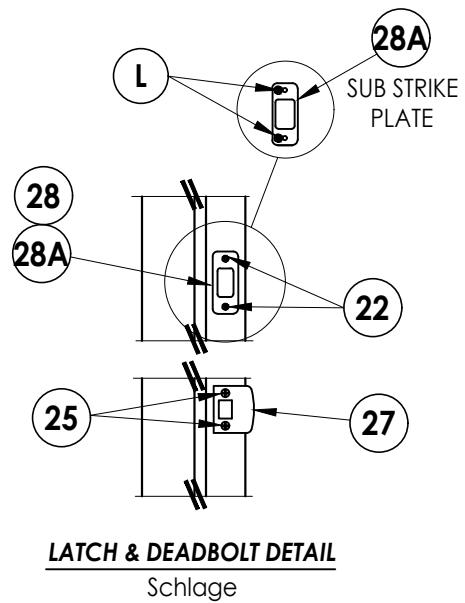
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CHK. BY: LFS		1		7/15/20		UPDATE TO 7th ED (2020)	
DRAWING NO.: FL-23507.10		LFS		FBC		PO	
SHEET 13 OF 17		FBC		FBC		BY	

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

Documents Prepared By:
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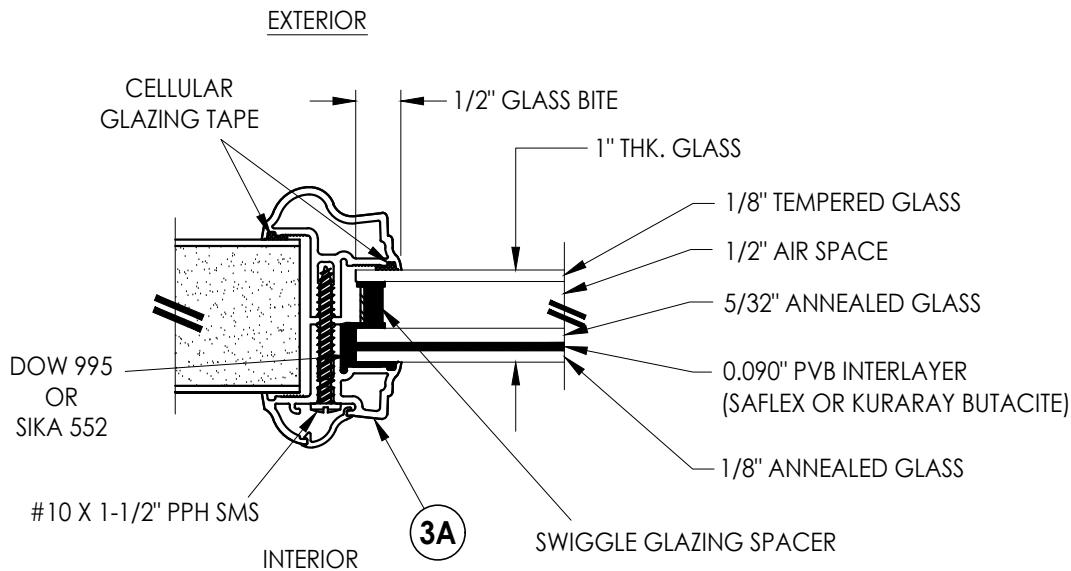


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									REVISIONS
DATE: 10/12/17									
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SHEET 14 OF 17									

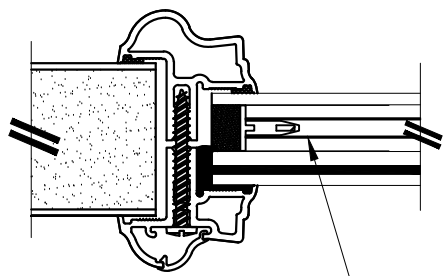
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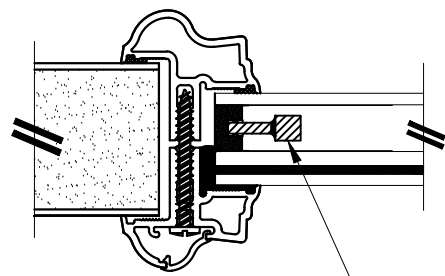
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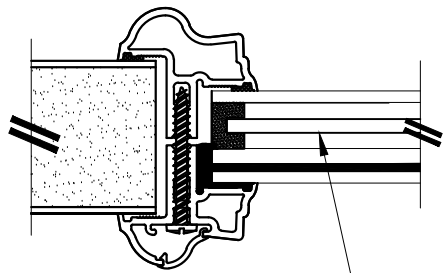
G1 GLAZING DETAIL
Aluminum Impact Lite Frame
Door Panels & Sidelites



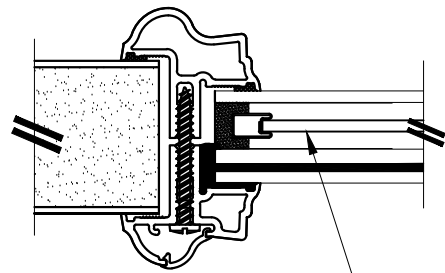
INTERNAL GRID (GBG)



WROUGHT IRON INSERT

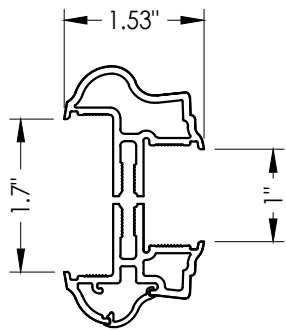


PRIVACY INSERT

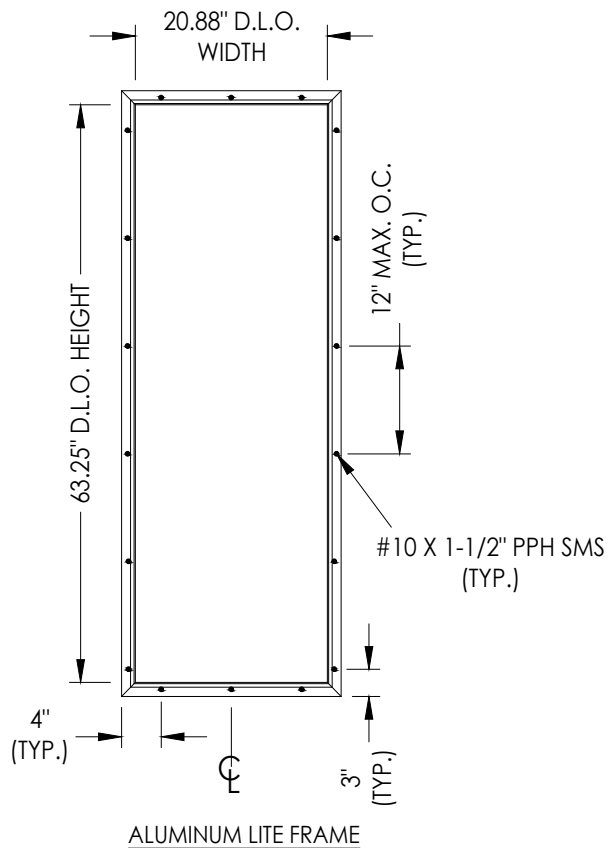


DECORATIVE INSERT

1" LAMINATED INSULATED IMPACT GLASS INSERT OPTIONS



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



Documents Prepared By:
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P.E. No. 43409

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FBPE Registry No. 9813

PRODUCT:
THERMA-TRU
STEEL DOOR

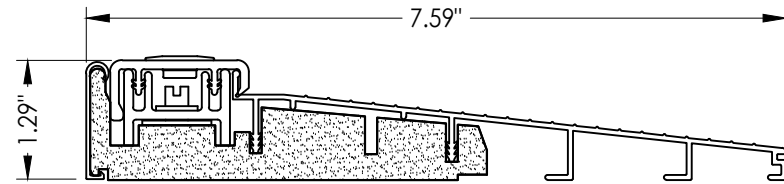
PART OR ASSEMBLY:

GLAZING DETAILS

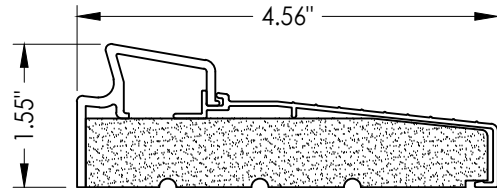
REVISIONS			
NO.	DATE	BY	
3	7/02/26	UPDATE TO 9TH ED. (2026)	FBC LFS
2	8/17/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	7/15/20	UPDATE TO 7th ED (2020)	FBC PO

DATE:	10/12/17
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-23507.10
SHEET	15 OF 17

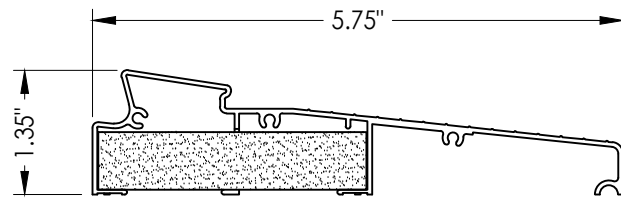
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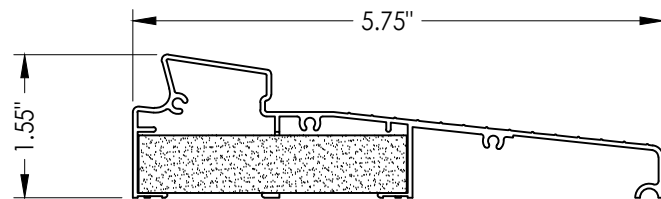
32 INSWING THRESHOLD
Inswing Basic Composite Adjustable Sill 7-1/2"



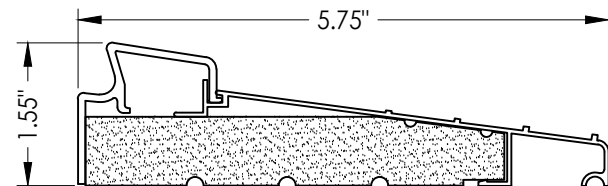
33 INSWING THRESHOLD
Inswing Basic Fixed Sill



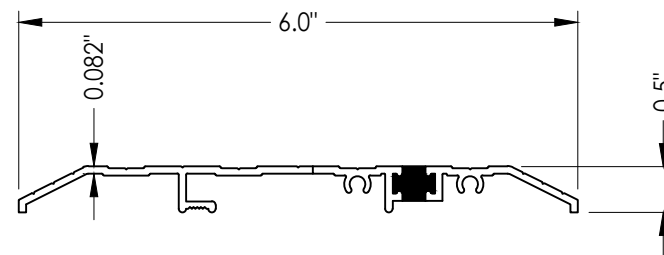
34 INSWING THRESHOLD
Inswing Moderate Climate Sill 1-3/8"



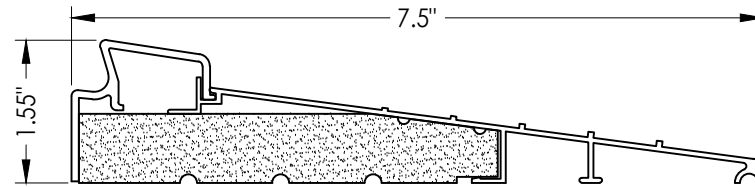
35 INSWING THRESHOLD
Inswing Moderate Climate Sill



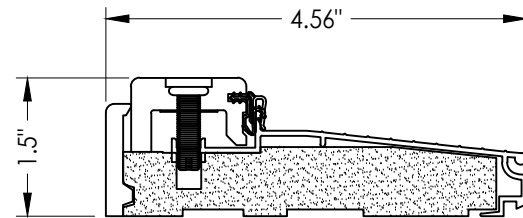
36 INSWING THRESHOLD
Inswing Basic Fixed 5-3/4" Sill



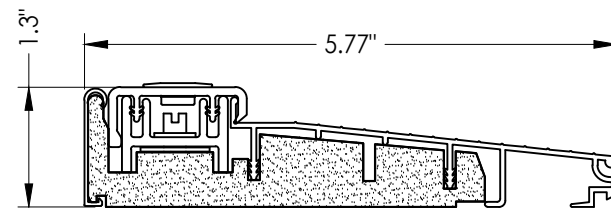
15 PUBLIC ACCESS THRESHOLD



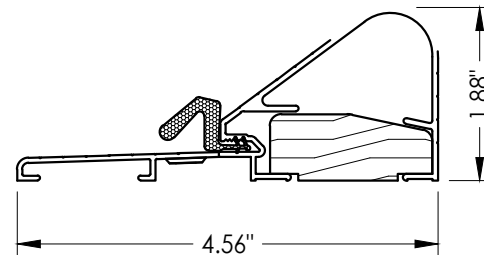
37 INSWING THRESHOLD
Inswing Basic Fixed 7-1/2" Sill



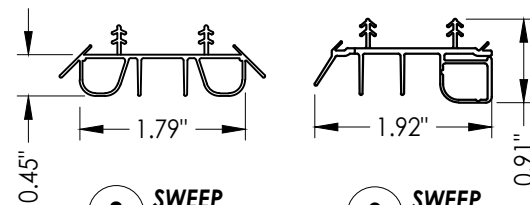
38 INSWING THRESHOLD
Inswing Composite Adjustable Sill



39 INSWING THRESHOLD
Inswing Basic Composite Adjustable Sill

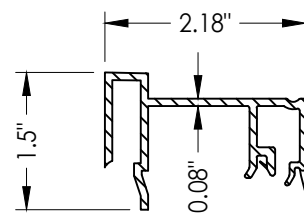


31 OUTSWING
Threshold coastal

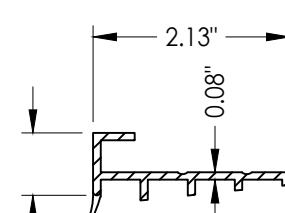


8 SWEEP

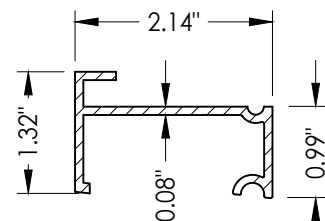
9 SWEEP



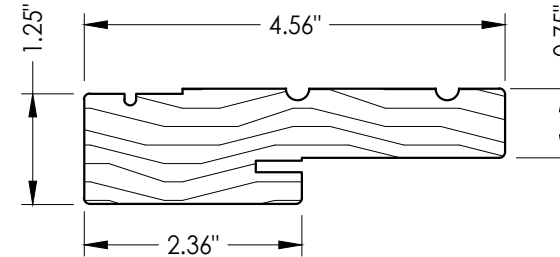
75 SIDELITE SPACER
Inswing



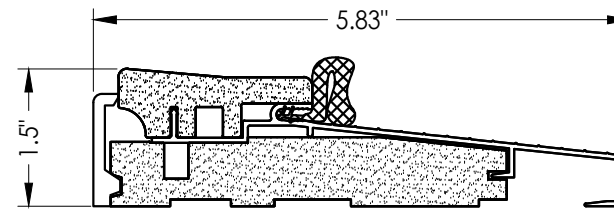
76 SIDELITE SPACER
Outswing



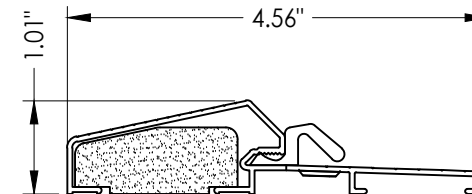
77 SIDELITE SPACER
Inswing
Moderate Climate Threshold



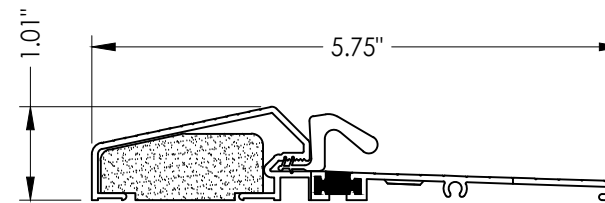
1 WOOD JAMB



16 OUTSWING THRESHOLD
Composite Sill



17 OUTSWING THRESHOLD
Composite / Aluminum Sill



18 OUTSWING THRESHOLD
Composite / Aluminum Sill
(Thermal Break)

Documents Prepared By:
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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-23507.10
SHEET 16 OF 17

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"

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

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:

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