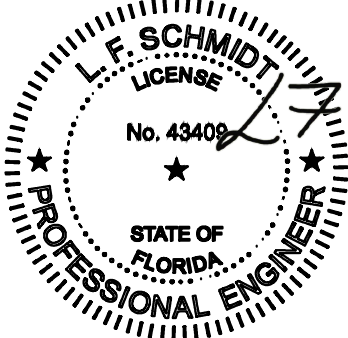
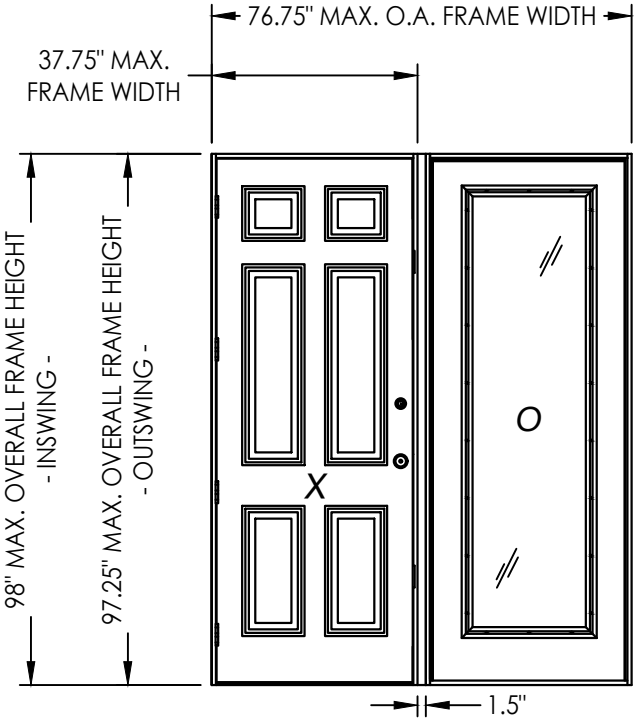


WOOD EDGE
OPAQUE FIBERGLASS SINGLE DOOR
w/ SIDELITE(S)
INSWING/OUTSWING
"IMPACT"

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.
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 17 & 18 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.

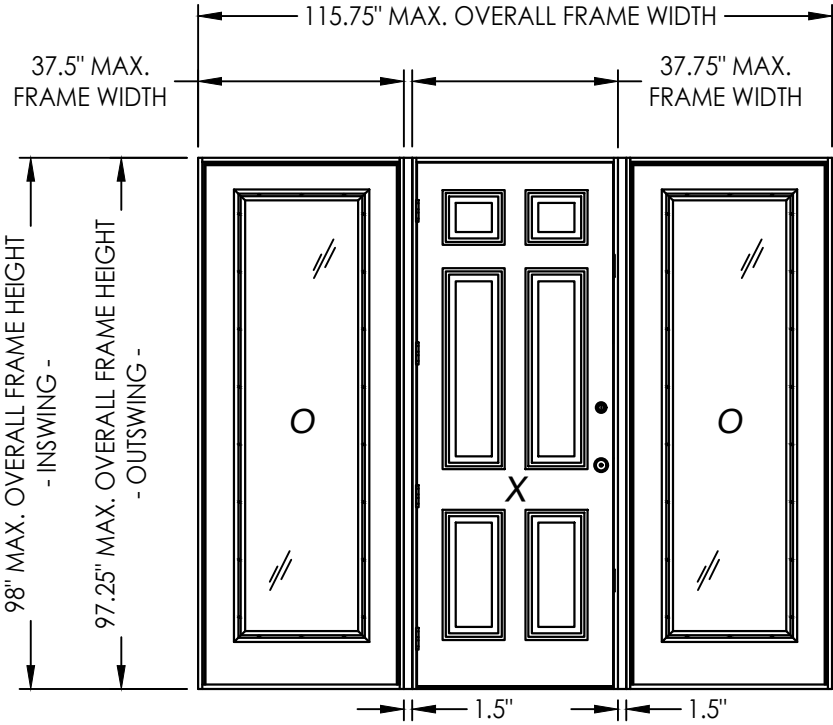
TABLE OF CONTENTS			
SHEET#	DESCRIPTION	SHEET#	DESCRIPTION
1	Typical Elevations, Design Pressures & General Notes	9	Vertical Cross Sections (Thresholds)
2	Door Panel Details	10	Buck Anchoring
3	Sidelite Panel Details	11	Frame Anchoring
4	Elevations	12	Hardware Details
5	Horizontal & Vertical Cross Sections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



Digitally signed by Lyndon F Schmidt
Date: 2026.08.04 17:11:46 -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



CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XO, OX, OXO	+55.0	-55.0	+55.0	-55.0

See Sheet 4 for Hardware Specifications

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

THERMA-TRU
FIBERGLASS DOOR

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

4	7/02/26	UPDATE TO 9th ED (2026)	FBC	LFS
3	7/10/23	UPDATE TO 8th ED (2023)	FBC	LFS
2	7/14/20	UPDATE TO 7th ED (2020)	FBC	LFS
1	7/17/19	UPDATE TO 6th ED (2017)	FBC	JK
NO.	DATE	REVISIONS		

DATE: 4/28/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

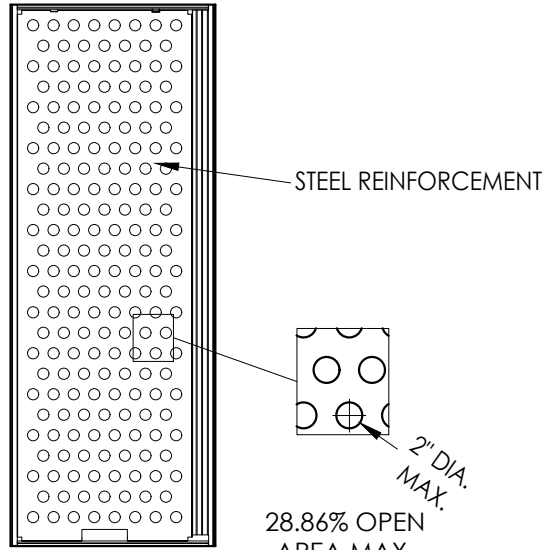
DRAWING NO.: FL-13459.4

SHEET 1 OF 15

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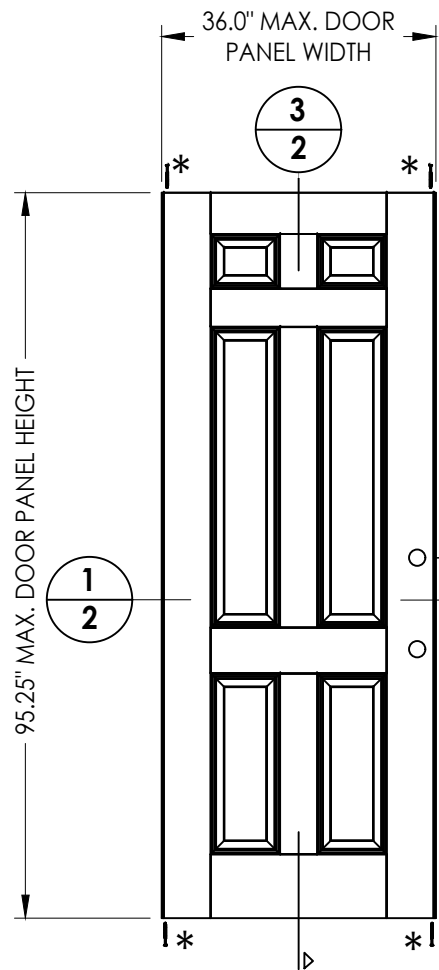
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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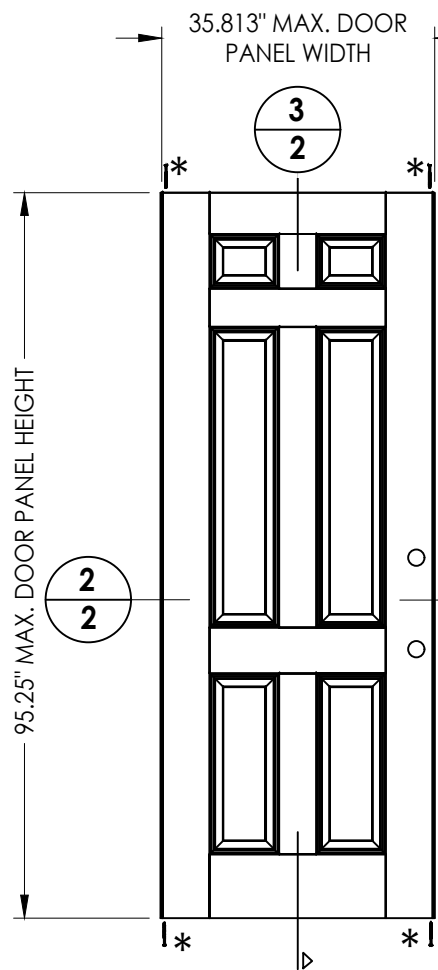


DETAIL A-A
PANEL REINFORCEMENT
(0.023" Thick Steel)

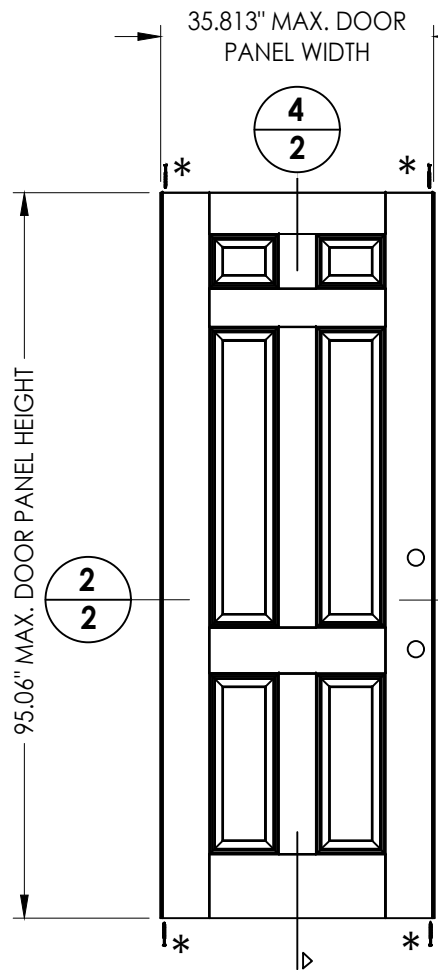
* #8 X 2.5" PFH WS (TYP. @ EACH DOOR CORNER)



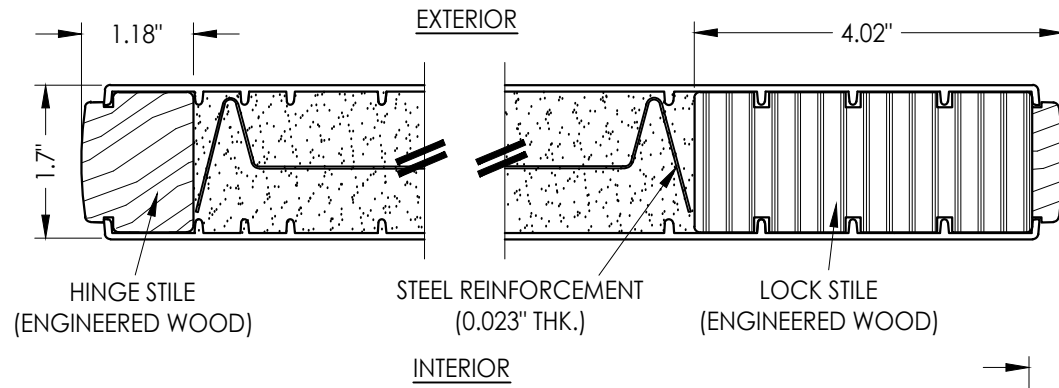
40 DOOR PANEL
BOOK



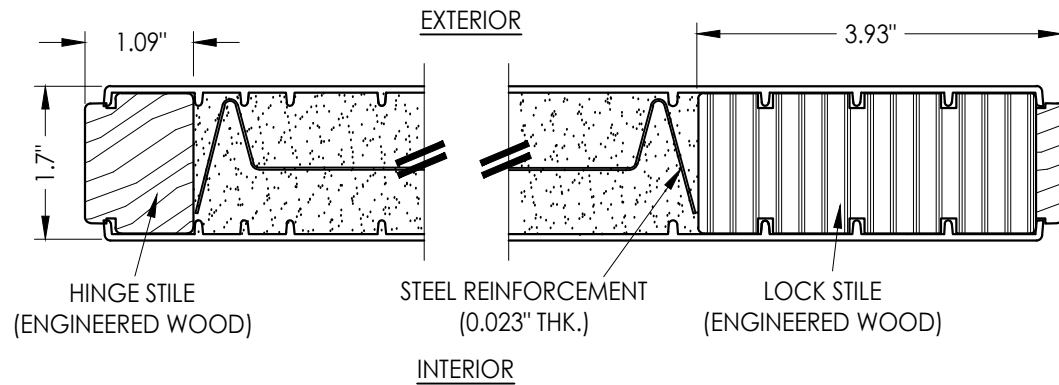
41 DOOR PANEL
Hybrid Door



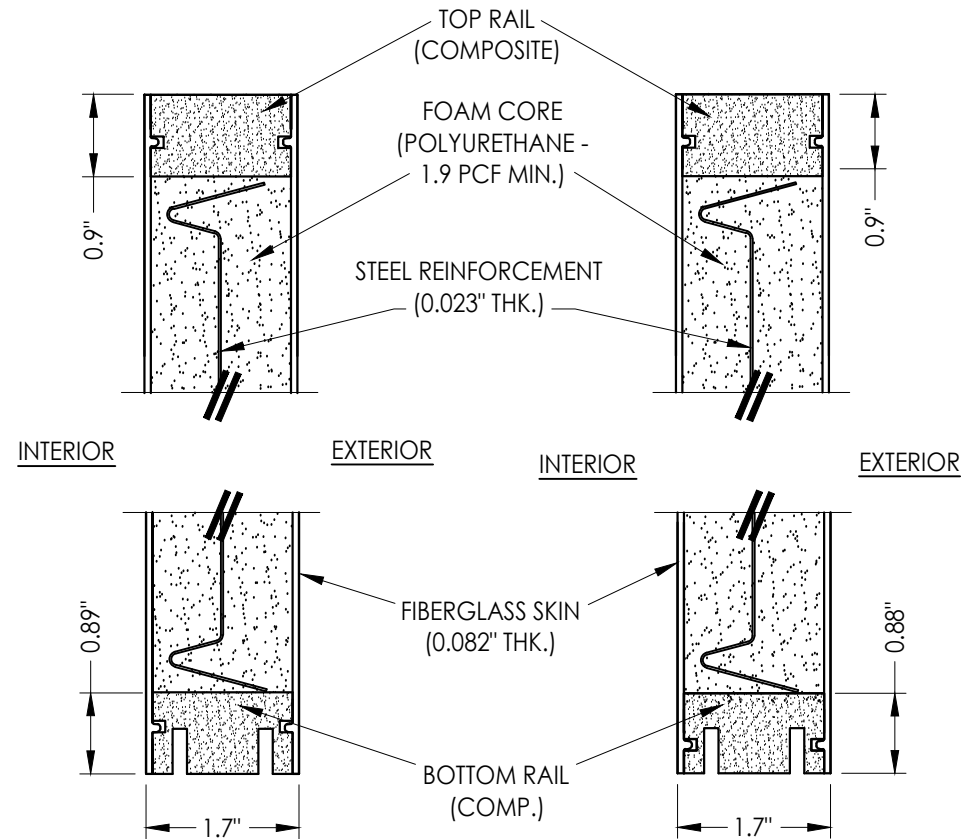
42 DOOR PANEL
U1 Door



1 HORIZONTAL CROSS SECTION



2 HORIZONTAL CROSS SECTION



3 VERTICAL CROSS SECTION

4 VERTICAL CROSS SECTION

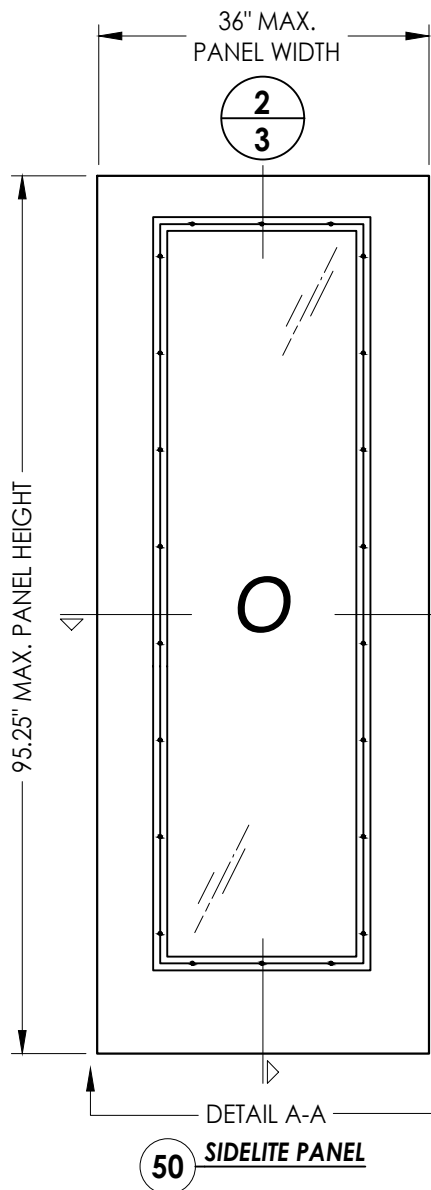
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

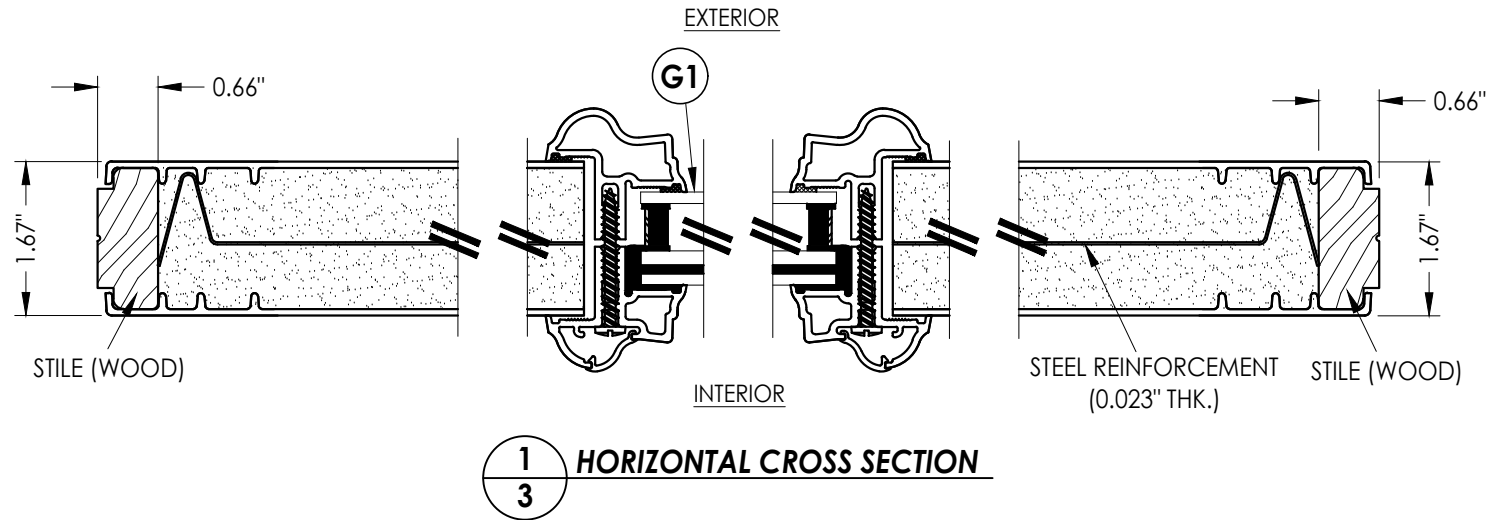
PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS			
		BY	JK	LFS	FBC
4	7/02/26	UPDATE TO 9th ED (2026)	FBC	LFS	
3	7/10/23	UPDATE TO 8th ED (2023)	FBC	LFS	
2	7/14/20	UPDATE TO 7th ED (2020)	FBC	LFS	
1	7/17/19	UPDATE TO 6th ED (2017)	FBC	JK	
DATE					
DATE: 4/28/15					
SCALE: N.T.S.					
DWG. BY: JK					
CHK. BY: LFS					
DRAWING NO.: FL-13459.4					
SHEET 2 OF 15					

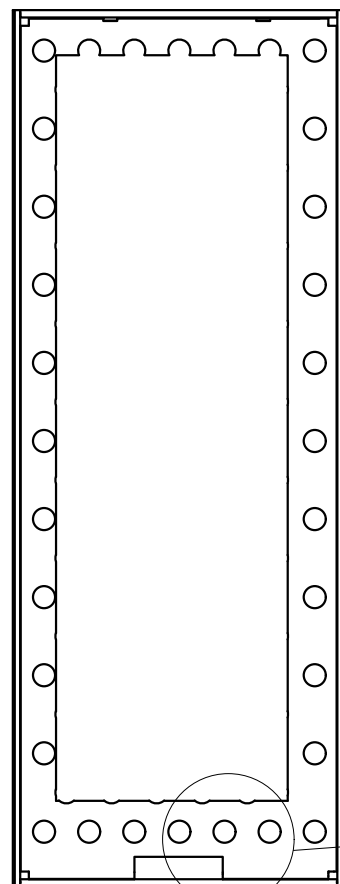
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Phone No.: 813.659.9197
FBPE Registry No. 9813



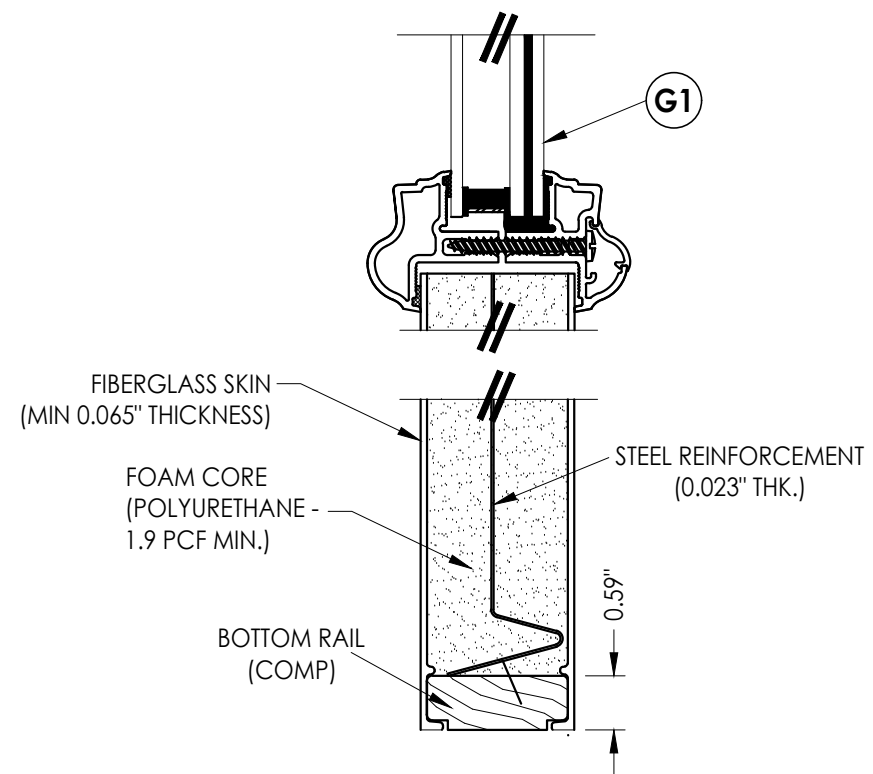
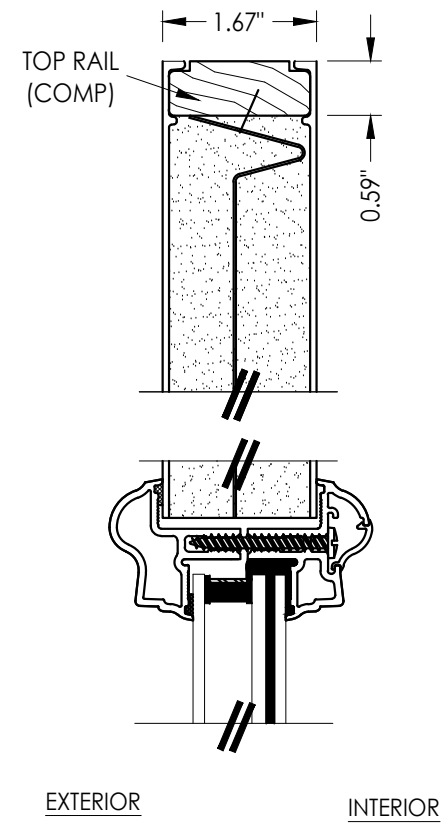
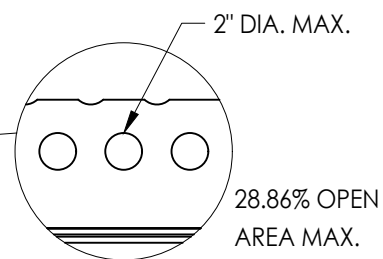
50 SIDELITE PANEL



1 HORIZONTAL CROSS SECTION



DETAIL A-A
PANEL REINFORCEMENT
(0.023" Thick Steel)



2 VERTICAL CROSS SECTION

4	7/02/26	UPDATE TO 9th ED (2026)	FBC	LFS		
3	7/10/23	UPDATE TO 8th ED (2023)	FBC	LFS		
2	7/14/20	UPDATE TO 7th ED (2020)	FBC	LFS		
1	7/17/19	UPDATE TO 6th ED (2017)	FBC	JK		
NO.	DATE					
				REVISIONS		
DATE: 4/28/15						
SCALE: N.T.S.						
DWG. BY: JK						
CHK. BY: LFS						
DRAWING NO.: FL-13459.4						
SHEET 3 OF 15						

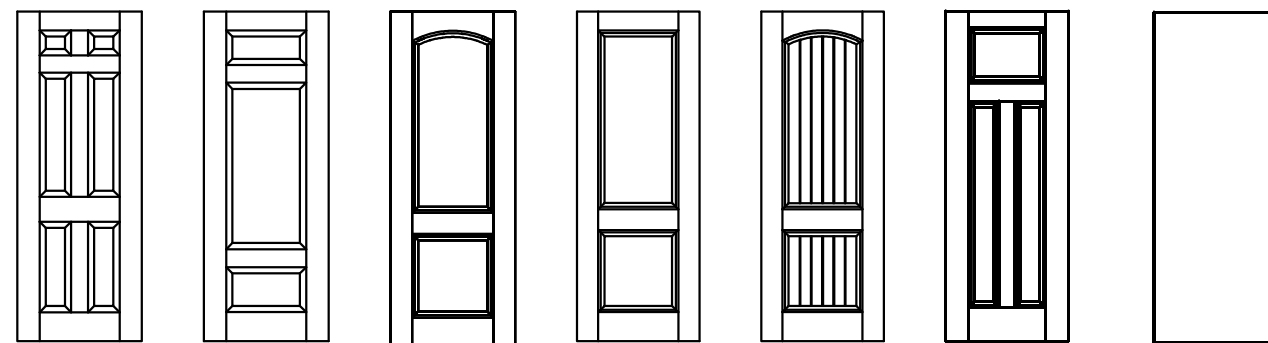
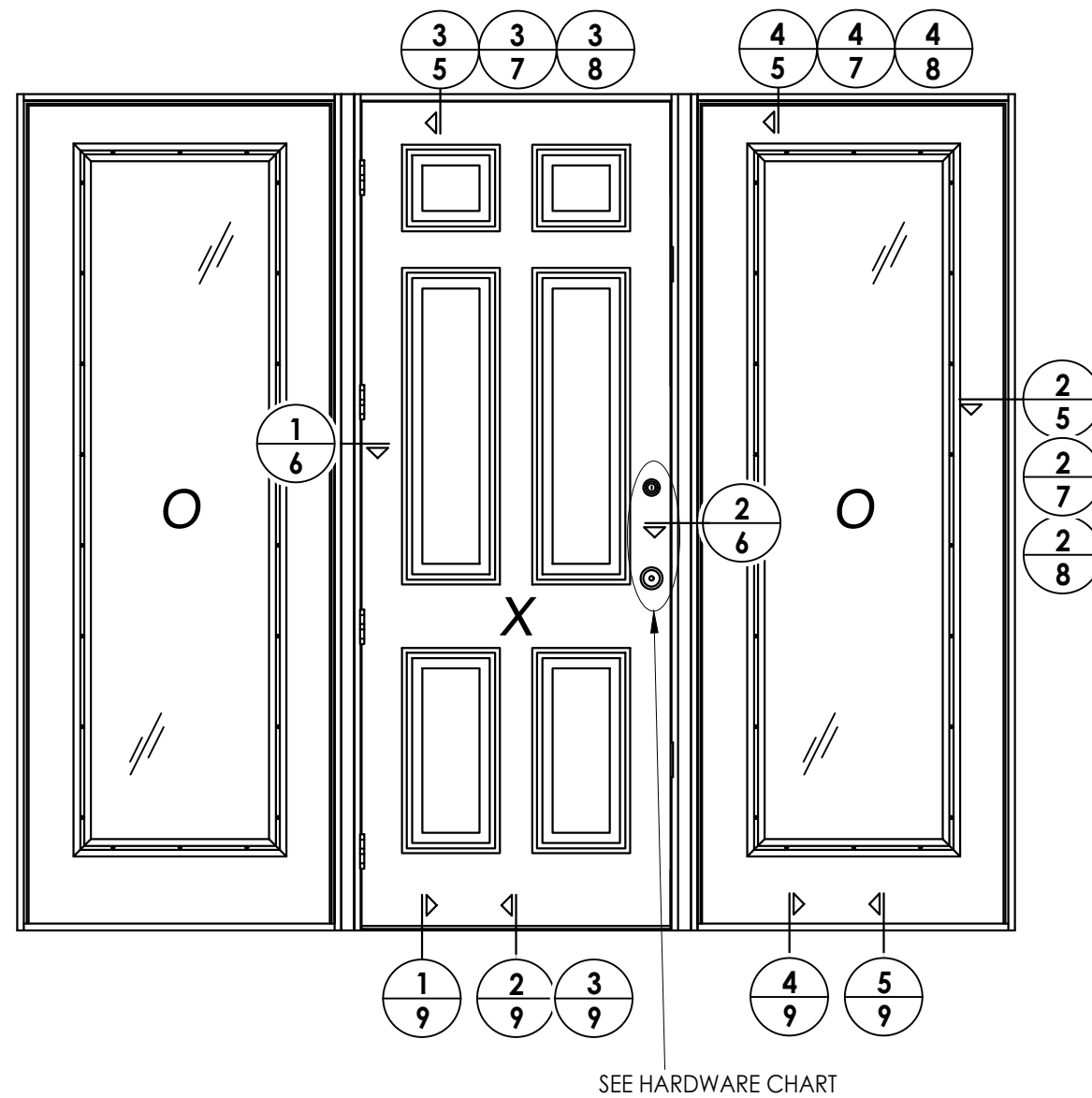
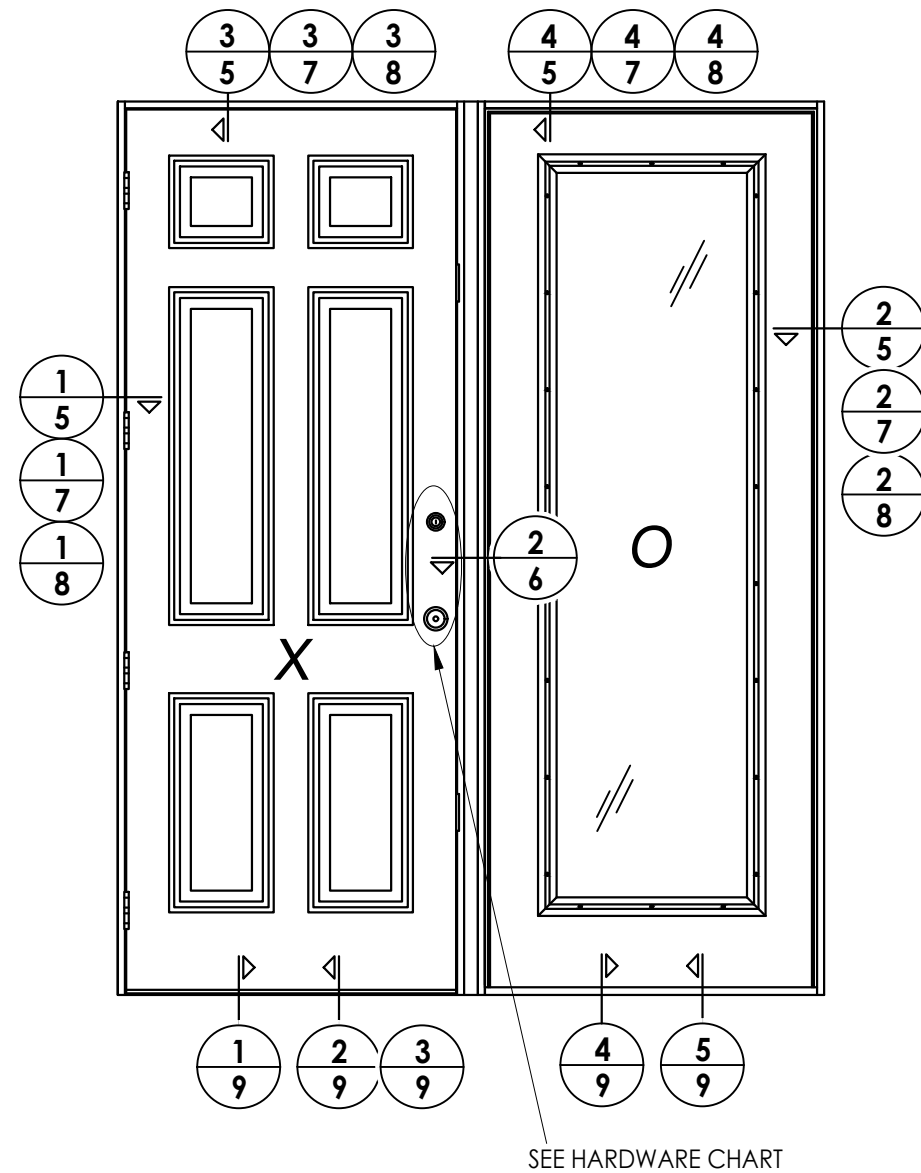
Documents Prepared By:
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P.E. No. 43409

— THERMA-TRU
FIBERGLASS DOOR

OR ASSEMBLY:

SIDELITE PANEL DETAILS

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P.E. No. 43409



Benchmark 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)

[illegible]

DATE: 4/28/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-13459.4

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

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

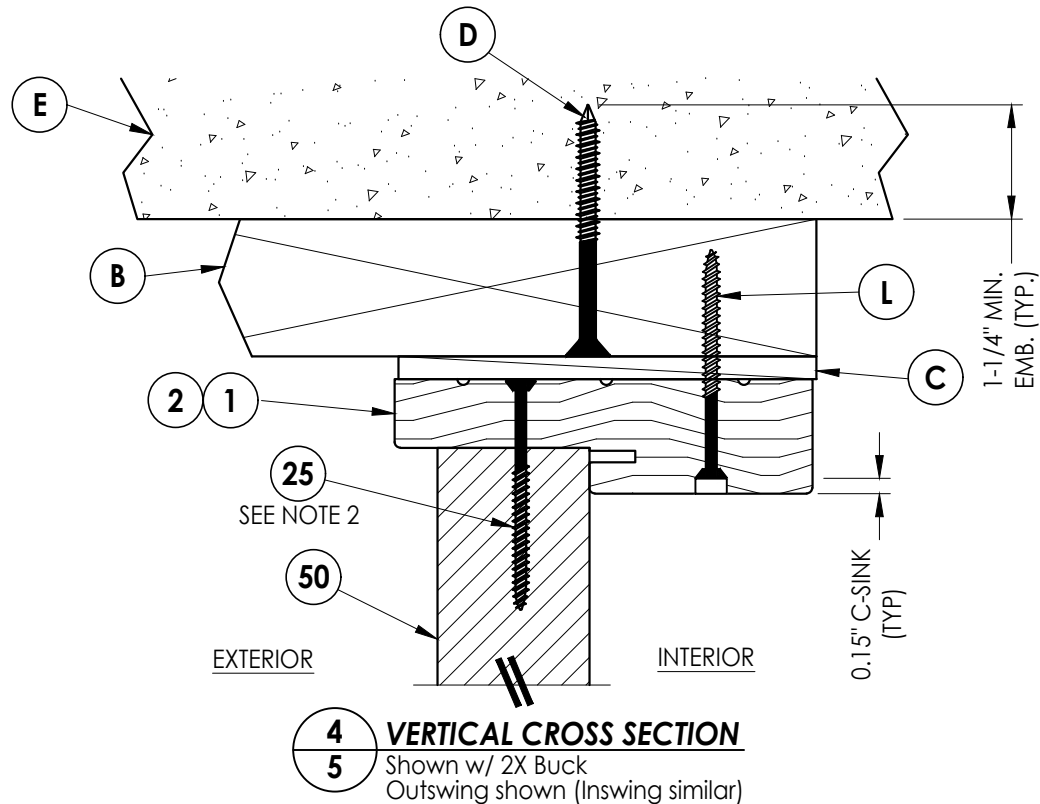
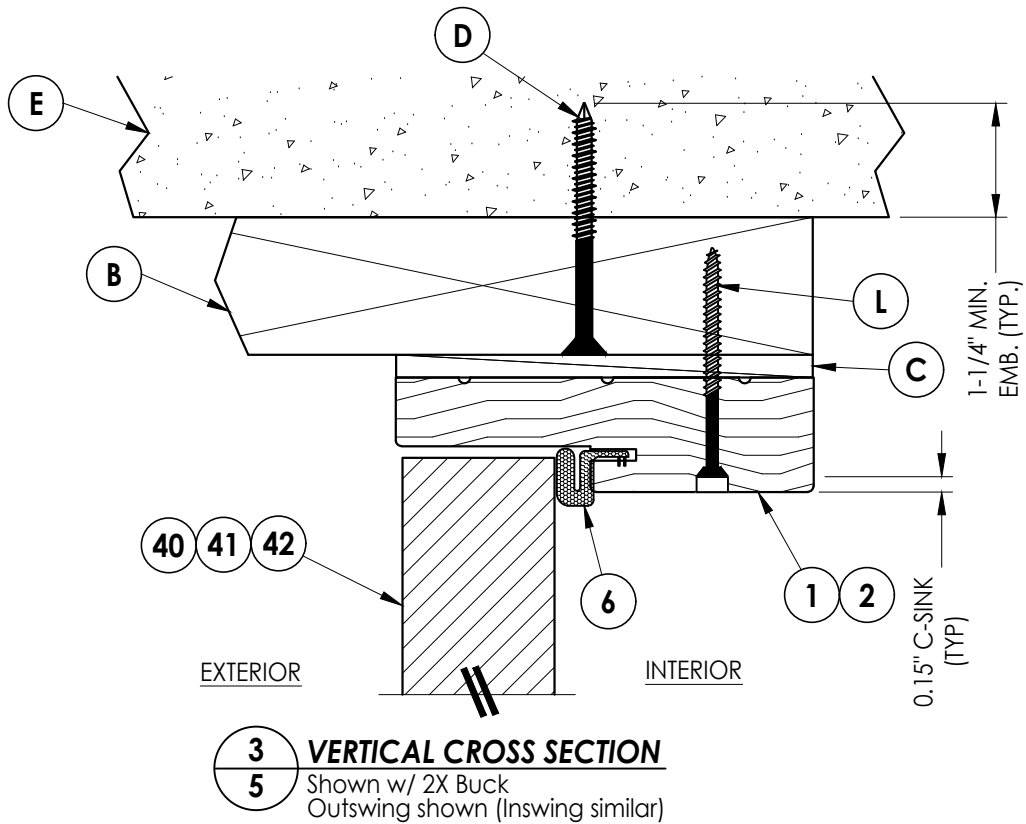
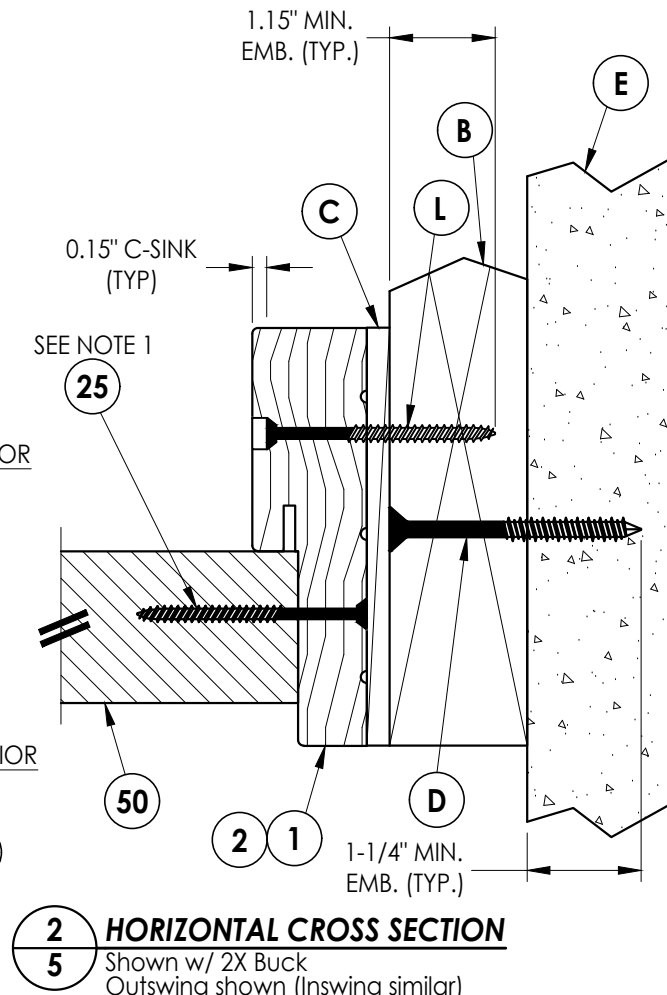
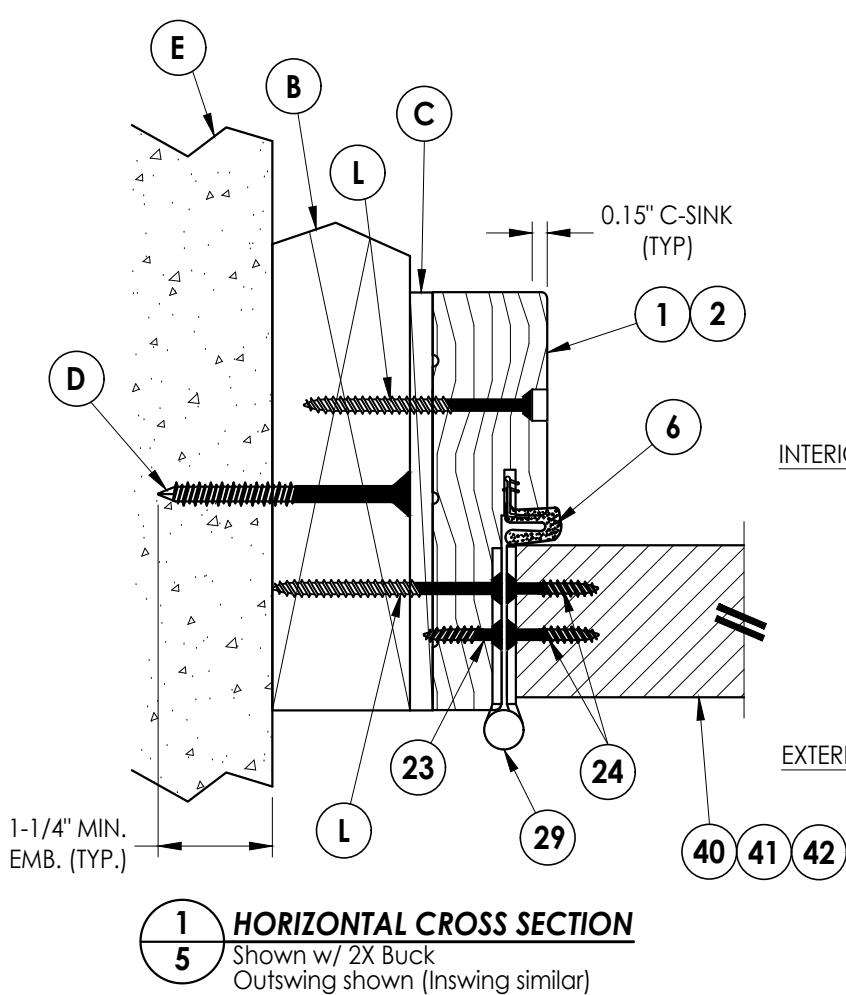
PART OR ASSEMBLY:

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Notes:

1. Sidelite assembly screws located 6" from top and bottom &
6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 6" from each end and @ center line
(3 screws total).



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Lyndon F. Schmidt
P.E. No. 43409

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FBPE Registry No. 9813

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

NO.	DATE	REVISIONS				
		BY	JK	LFS	FBC	LFS
4	7/02/26	UPDATE TO 9th ED (2026)	FBC	LFS		
3	7/10/23	UPDATE TO 8th ED (2023)	FBC	LFS		
2	7/14/20	UPDATE TO 7th ED (2020)	FBC	LFS		
1	7/17/19	UPDATE TO 6th ED (2017)	FBC	JK		

DATE: 4/28/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-13459.4

SHEET 5 OF 15

1. Sidelite assembly screws located 6" from top and bottom & 6 more screws equally spaced between (8 screws total per side jamb).



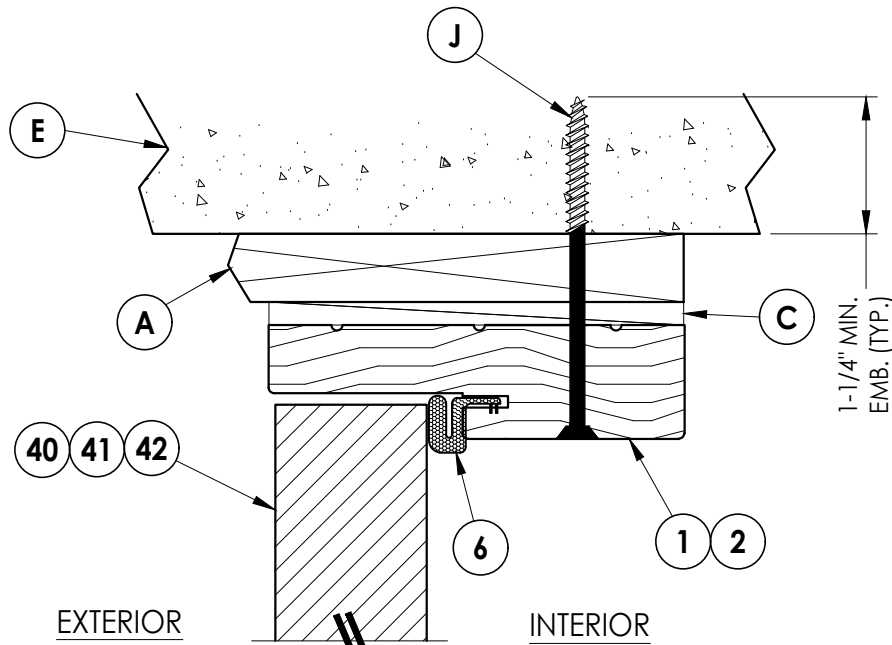
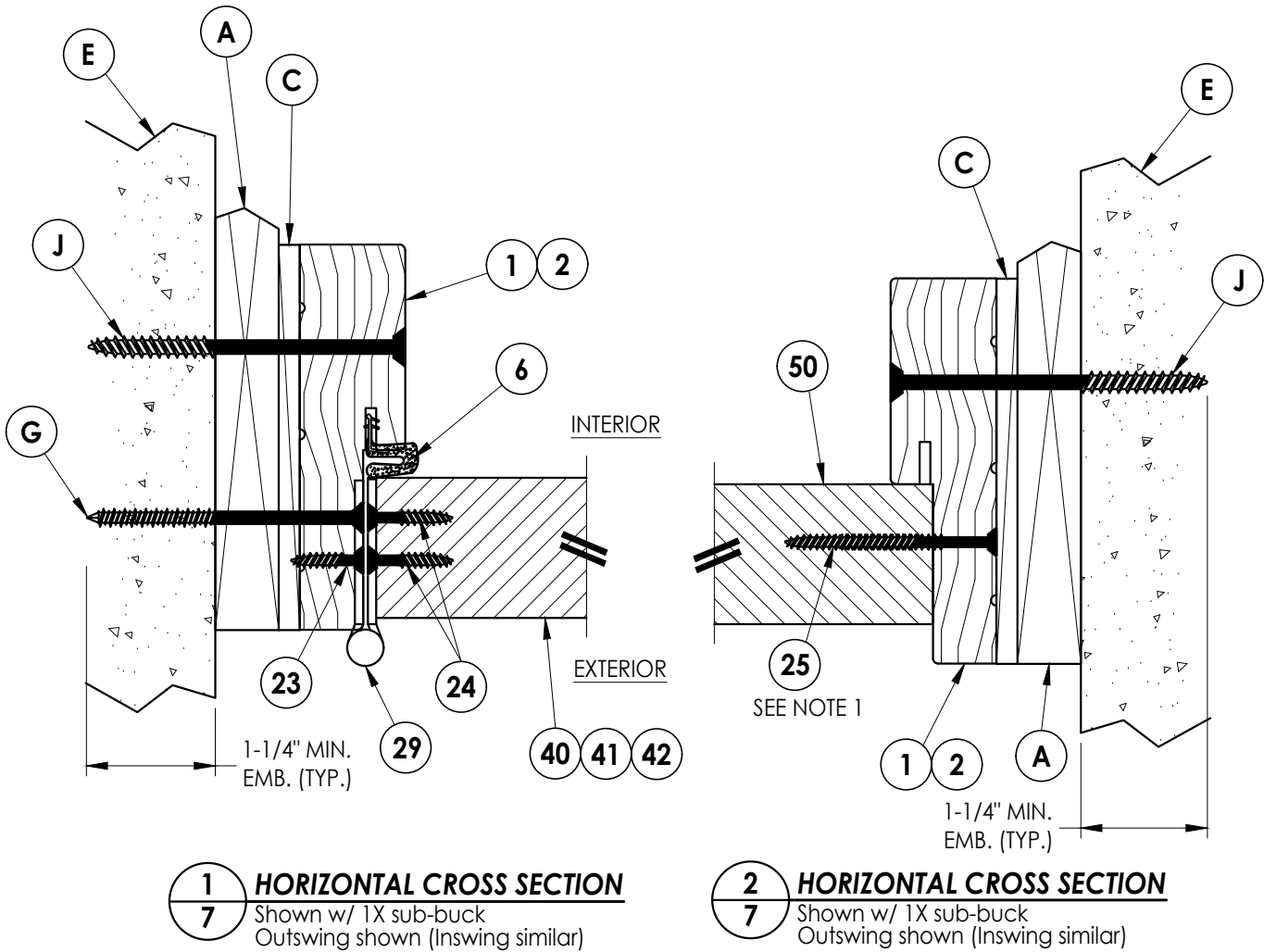
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33386
Phone No.: 813.659.9197
FBPE Registry No. 9813

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

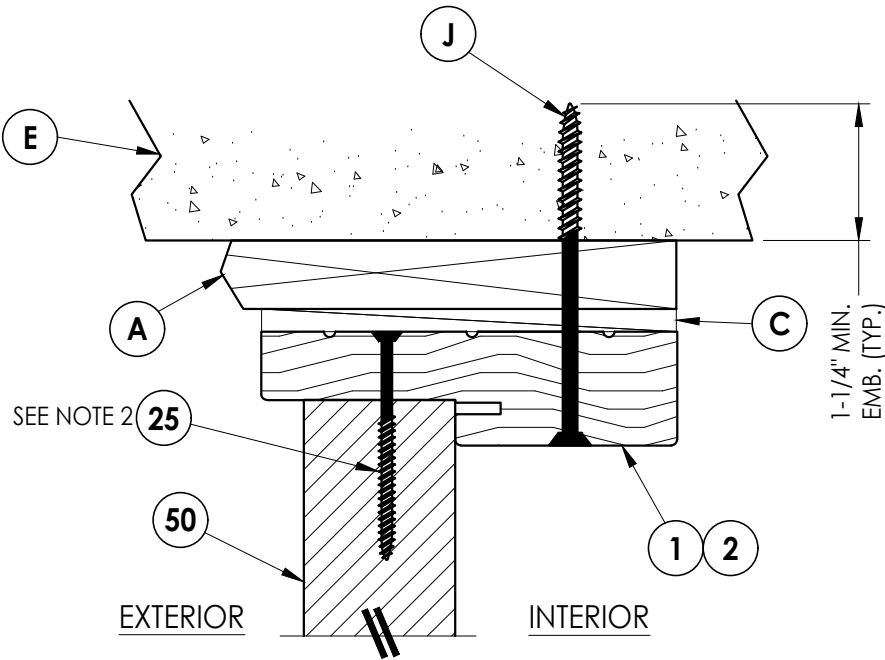
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DATE:	4/28/15
SCALE:	N.T.S.
DWG. BY:	JK
CHK. BY:	LFS
DRAWING NO.:	FL-13459.4
SHEET	6 OF 15

- Notes:
1. Sidelite assembly screws located 6" from top and bottom & 6 more screws equally spaced between (8 screws total per side jamb).
 2. Sidelite assembly screws located 6" from each end and @ center line (3 screws total).

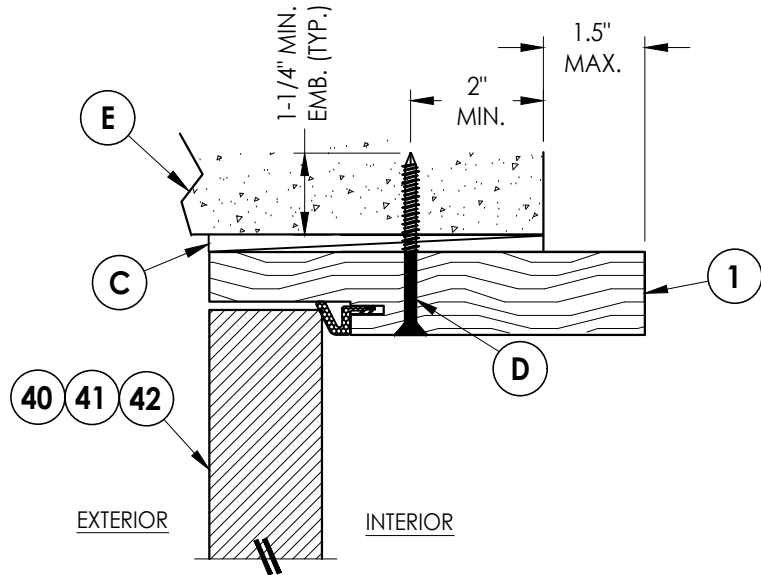


3 VERTICAL CROSS SECTION
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)

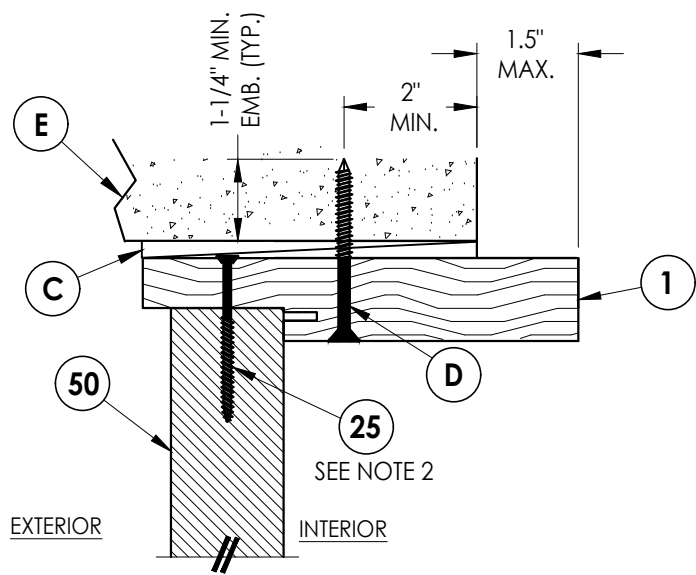


4 VERTICAL CROSS SECTION
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)

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PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (1X BUCK)	
4	7/02/26	UPDATE TO 9th ED (2026)	FBC
3	7/10/23	UPDATE TO 8th ED (2023)	FBC
2	7/14/20	UPDATE TO 7th ED (2020)	FBC
1	7/17/19	UPDATE TO 6th ED (2017)	FBC
NO.	DATE	REVISIONS	
DATE: 4/28/15			
SCALE: N.T.S.			
DWG. BY: JK			
CHK. BY: LFS			
DRAWING NO.: FL-13459.4			
SHEET 7 OF 15			

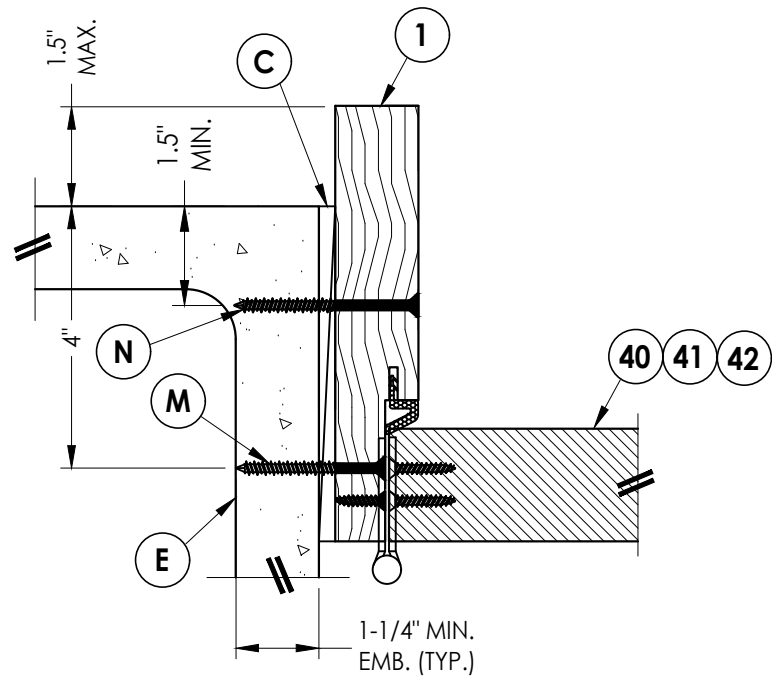


3 **HORIZONTAL CROSS SECTION**
8 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

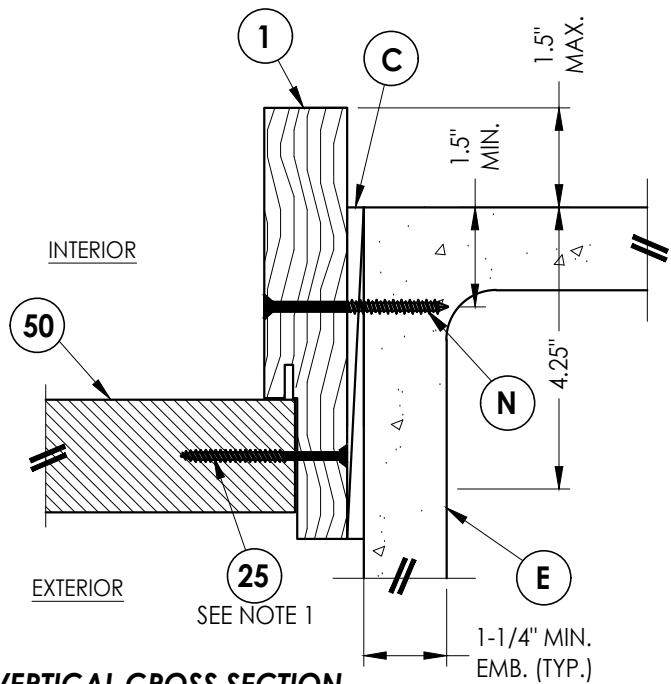


4 **VERTICAL CROSS SECTION**
8 Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

Notes:
1. Sidelite assembly screws located 6" from top and bottom &
6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 6" from each end and @ center line
(3 screws total).



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



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

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

NO.	DATE	REVISIONS			
		BY	JK	LFS	LFS
4	7/02/26	UPDATE TO 9th ED (2026)	FBC	LFS	
3	7/10/23	UPDATE TO 8th ED (2023)	FBC	LFS	
2	7/14/20	UPDATE TO 7th ED (2020)	FBC	LFS	
1	7/17/19	UPDATE TO 6th ED (2017)	FBC	JK	

DATE: 4/28/15

SCALE: N.T.S.

DWG. BY: JK

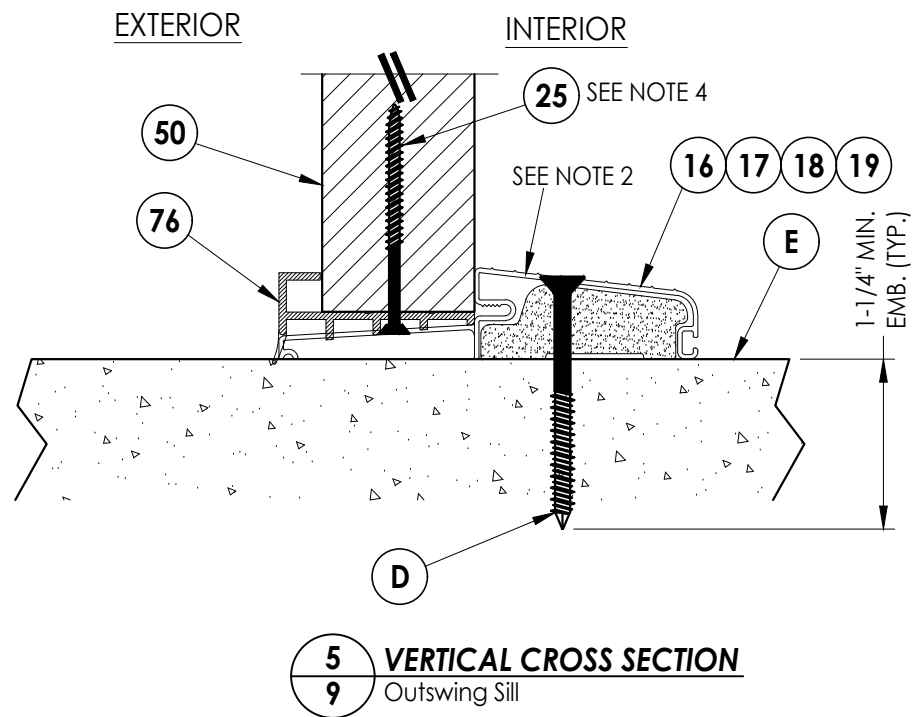
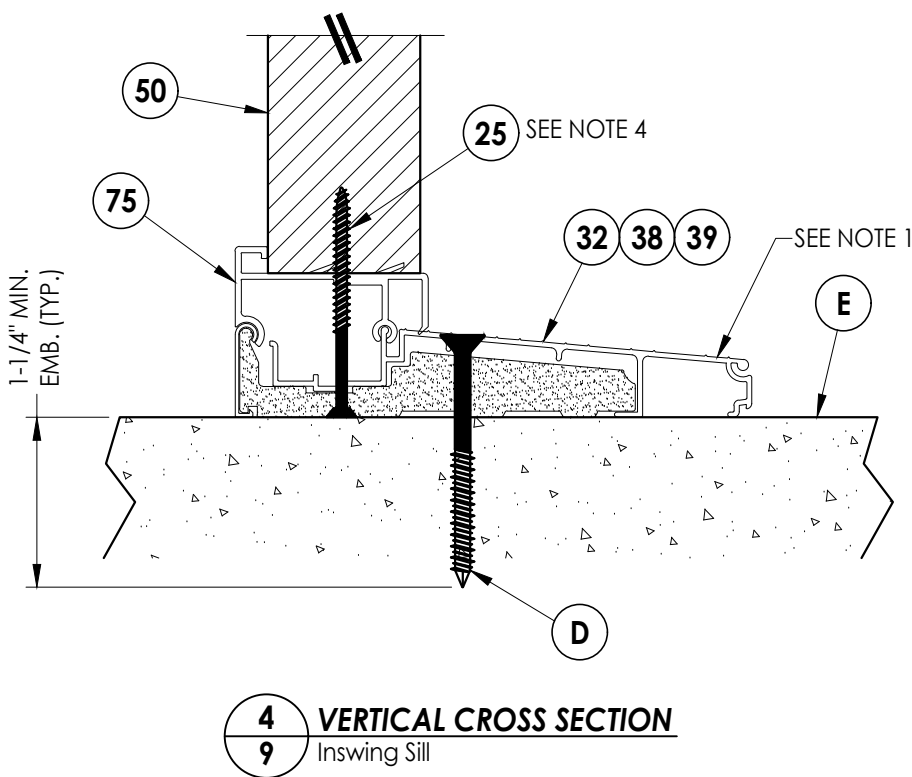
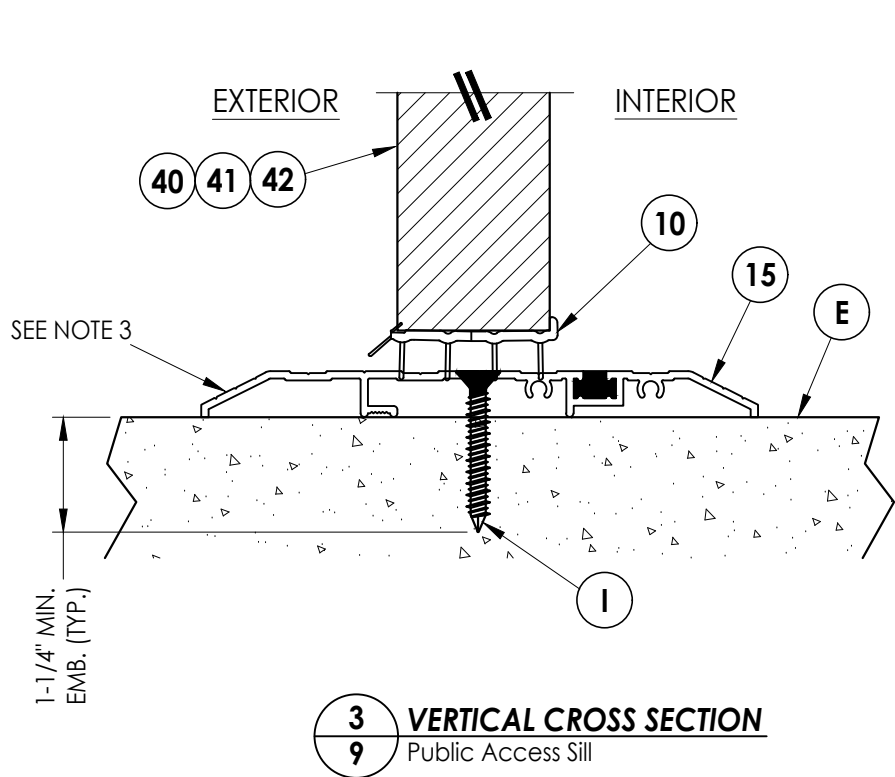
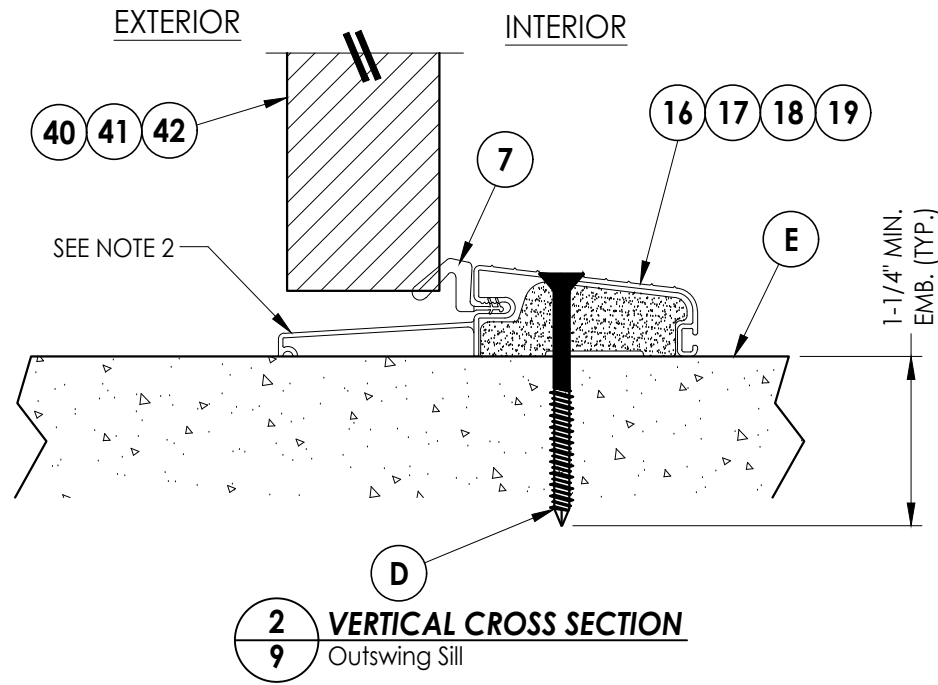
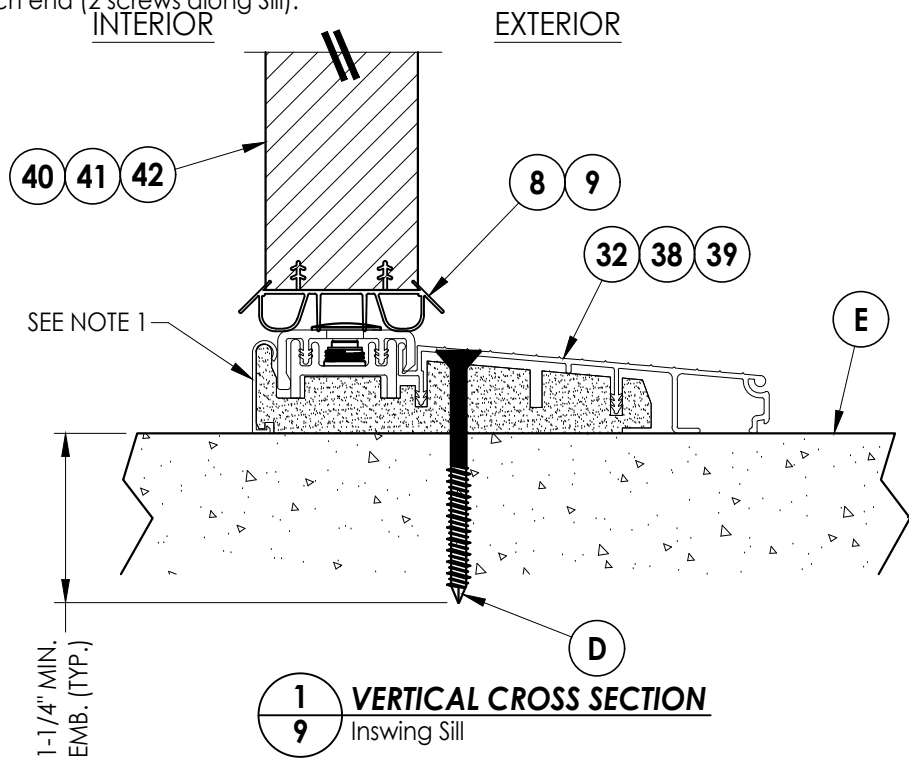
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FL-13459.4

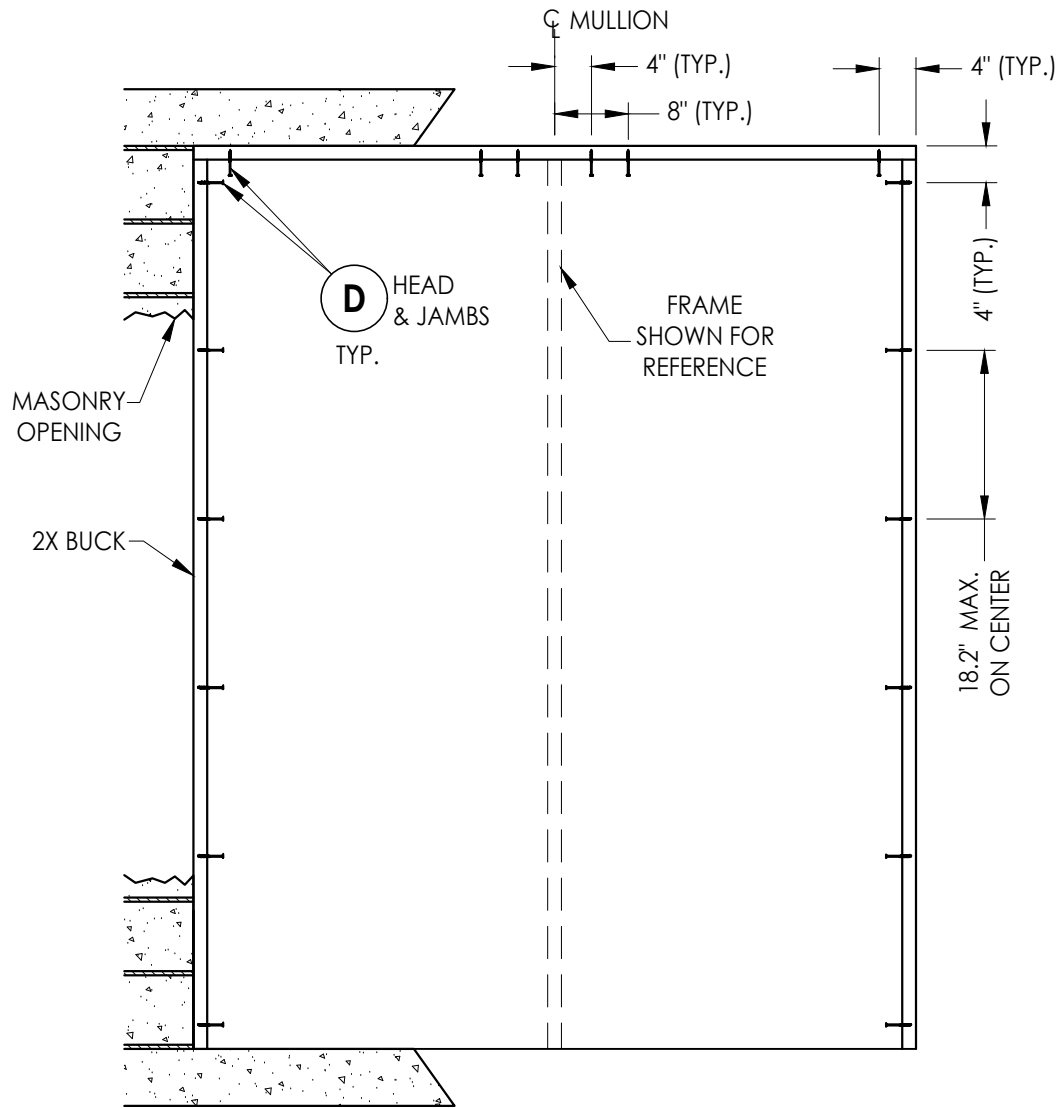
SHEET 8 OF 15

- Notes:
- 1. Sill Item #'s 32, 38 & 39 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws or (3) 2.5" 16 GA. STAPLES at each end.
 - 2. Sill Item #'s 16, 17, 18 & 19 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 at each end.
 - 4. Sidelite assembly screws located 4" from each end (2 screws along Sill).

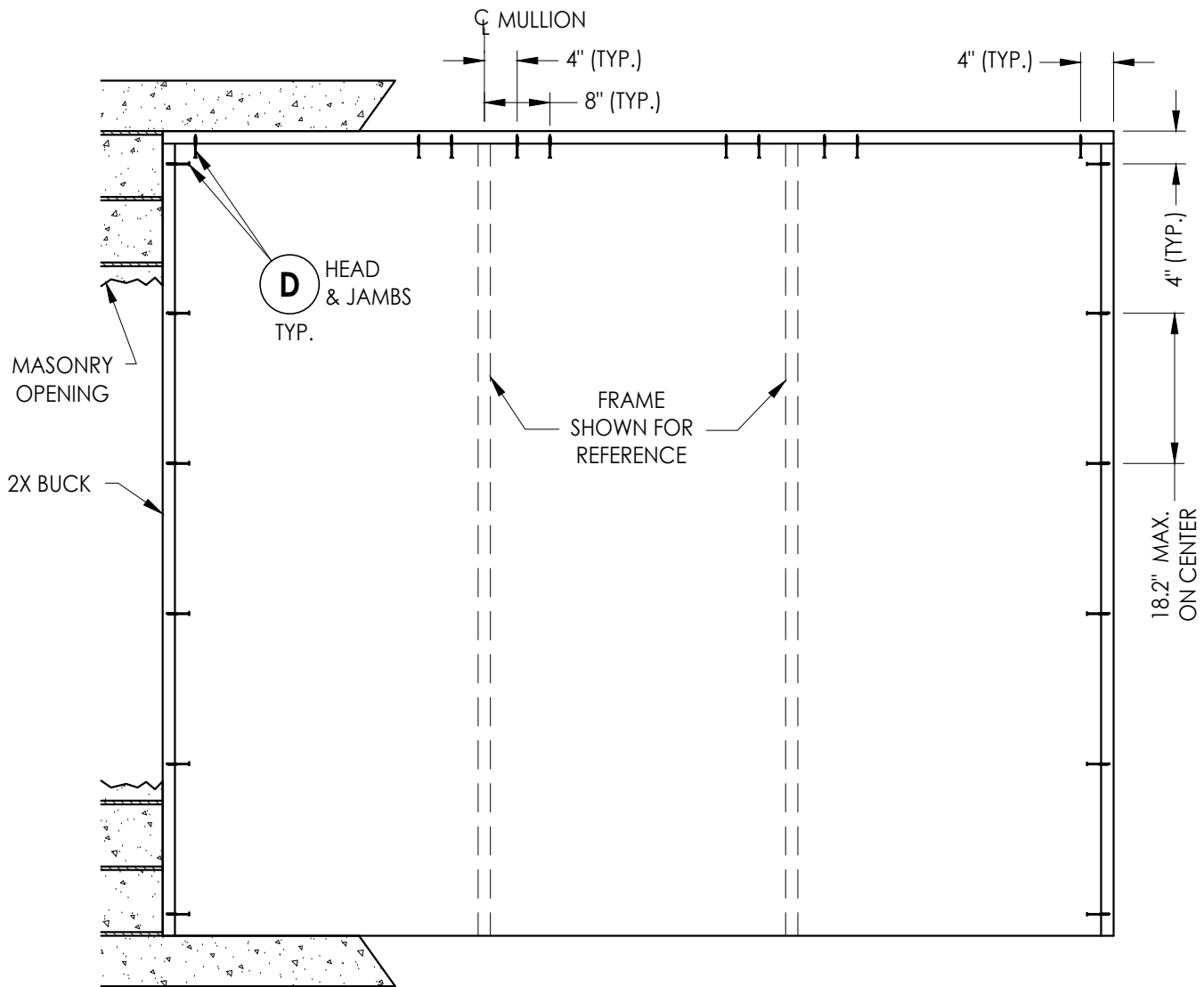


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PRODUCT:										THERMA-TRU FIBERGLASS DOOR																																																																																																																																																																																																											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

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XO/OX



OXO

2X BUCK ANCHORING

NO	DATE	REVISIONS
4	7/02/26	UPDATE TO 9th ED (2026) FBC LFS
3	7/10/23	UPDATE TO 8th ED (2023) FBC LFS
2	7/14/20	UPDATE TO 7th ED (2020) FBC LFS
1	7/17/19	UPDATE TO 6th ED (2017) FBC JK

DATE: 4/28/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-13459.4

SHEET 10 OF 15

PRODUCT:

THERMA-TRU
FIBERGLASS DOOR

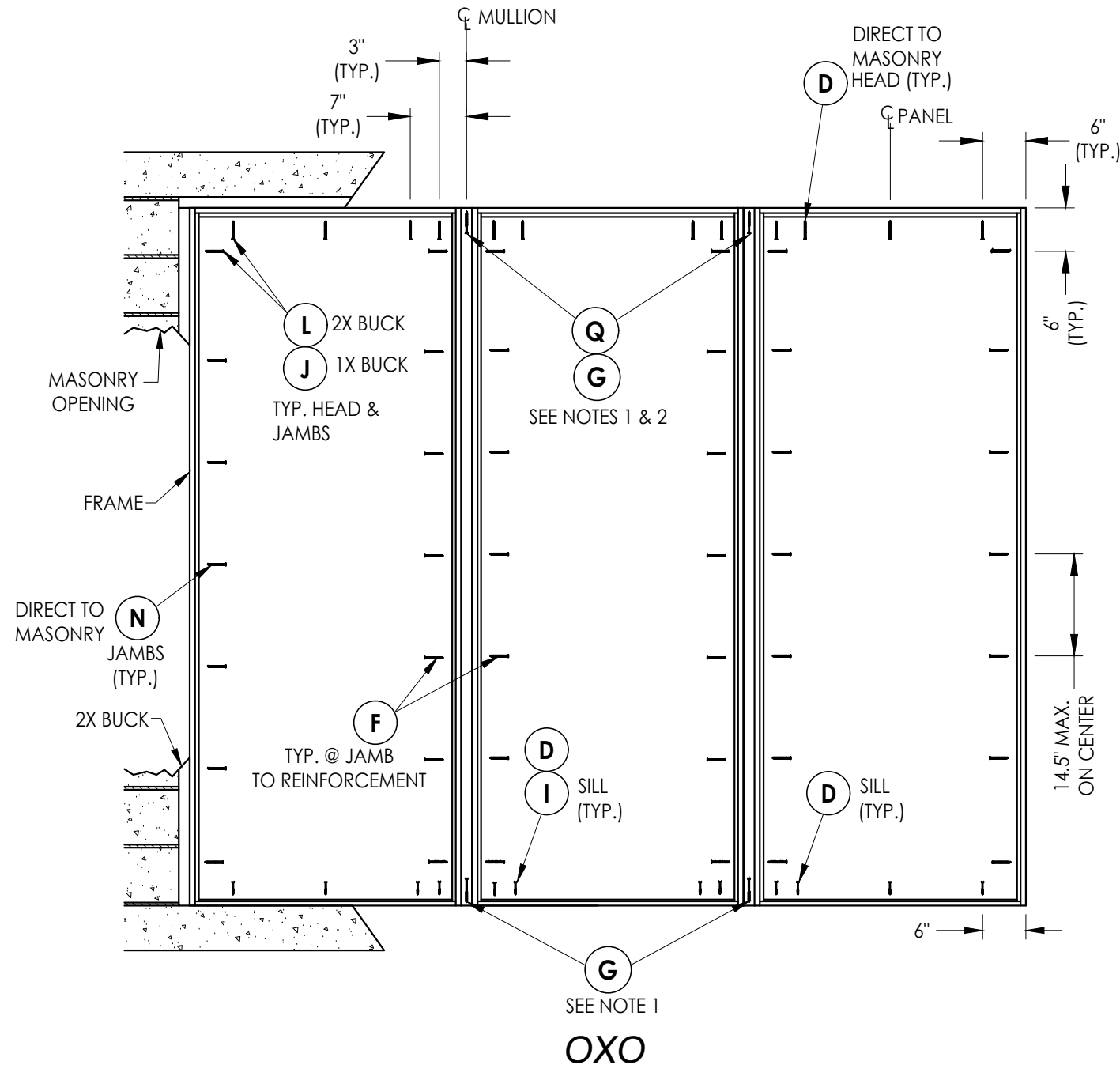
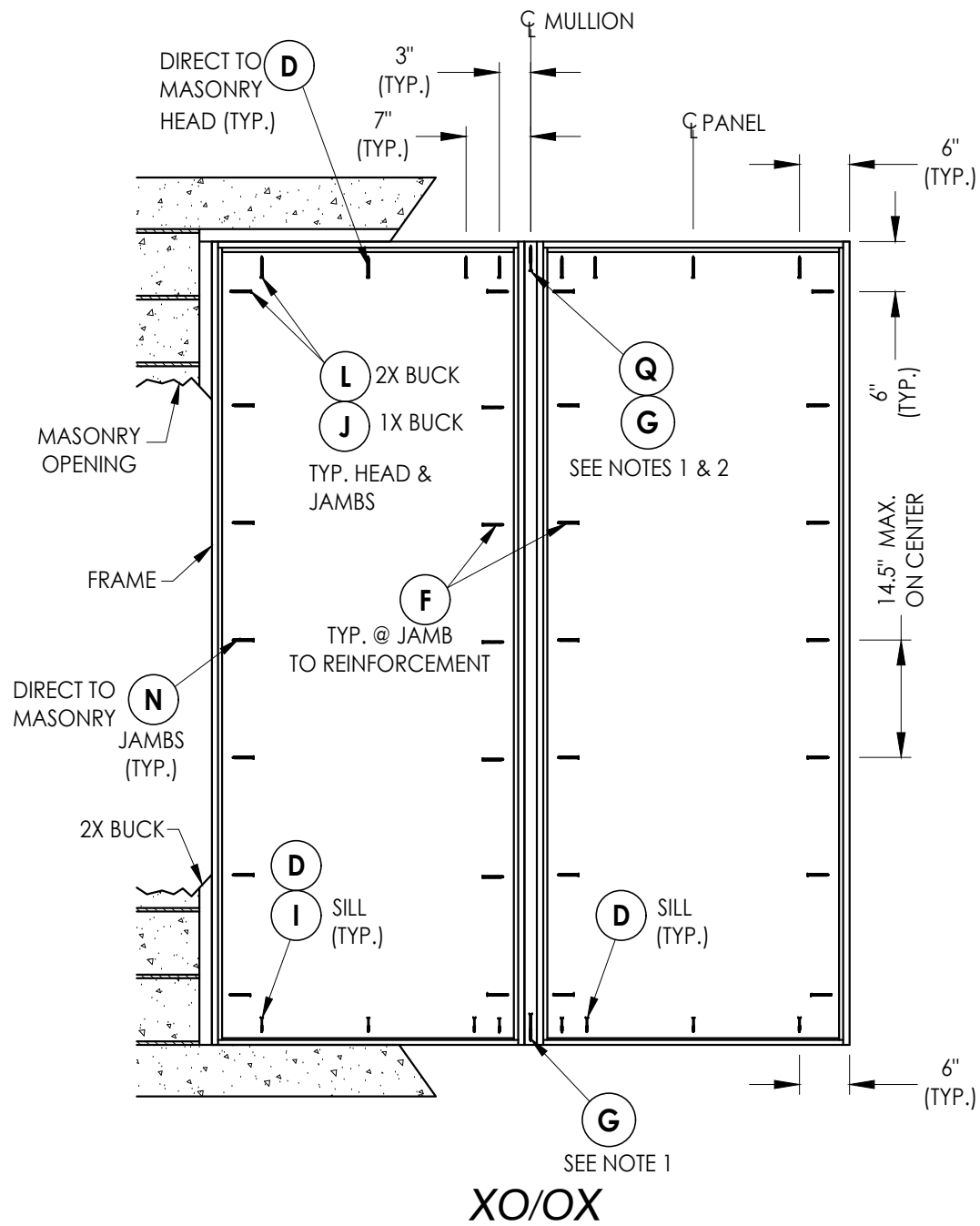
PART OR ASSEMBLY:

BUCK ANCHORING

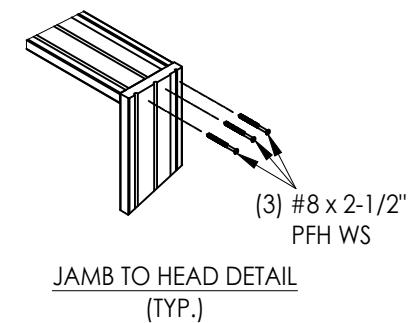
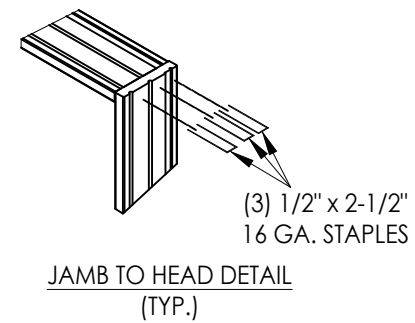
Documents Prepared By:

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P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813



FRAME ANCHORING



NOTES:

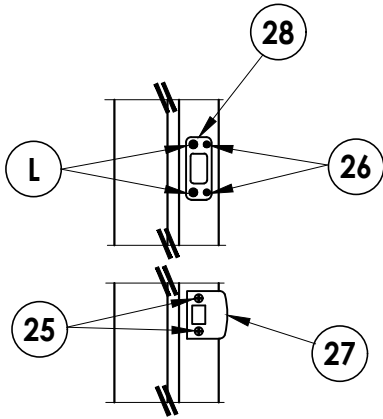
1. 3/16" x 3-1/4" ITW concrete screw toe-nailed through mullion into masonry (each face).
2. #10 X 3" wood screw toe-nailed through mullion into 2X Buck (each face).

			4	7/02/26	UPDATE TO	9th ED	(2026)	FBC	LFS
			3	7/10/23	UPDATE TO	8th ED	(2023)	FBC	LFS
			2	7/14/20	UPDATE TO	7th ED	(2020)	FBC	LFS
			1	7/17/19	UPDATE TO	6th ED	(2017)	FBC	JK
			NO.	DATE					BY
									REVISIONS
DATE: 4/28/15									
SCALE: N.T.S.									
DWG. BY: JK									
CHK. BY: LFS									
DRAWING NO.: FL-13459.4									
SHEET 11 OF 15									

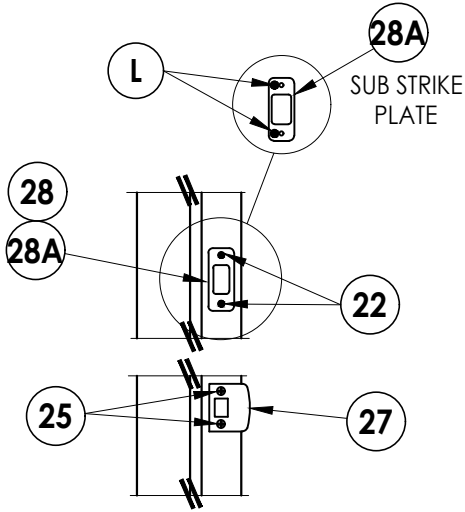
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

G:\2023 FBC DRAWINGS 7-27-26\Therma-Tru\FL-13459 R8\FL-13459.1-4.dwg

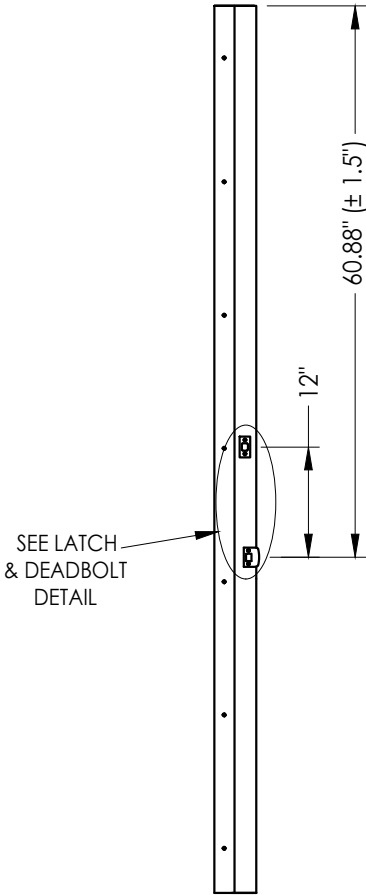


LATCH & DEADBOLT DETAIL
Kwikset

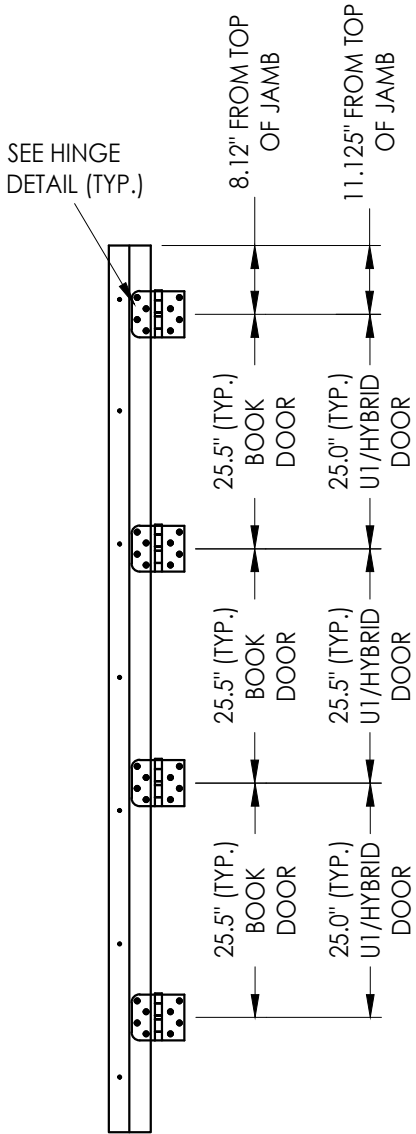


LATCH & DEADBOLT DETAIL
Schlage

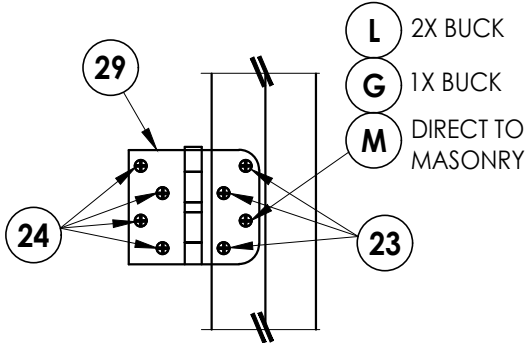
LATCH & DEADBOLT STRIKE DETAILS



STRIKE JAMB
Latch and Deadbolt



HINGE JAMB



HINGE DETAIL

DATE: 4/28/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:
FL-13459.4

SHEET 12 OF 15

PRODUCT:

THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

HARDWARE DETAILS

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

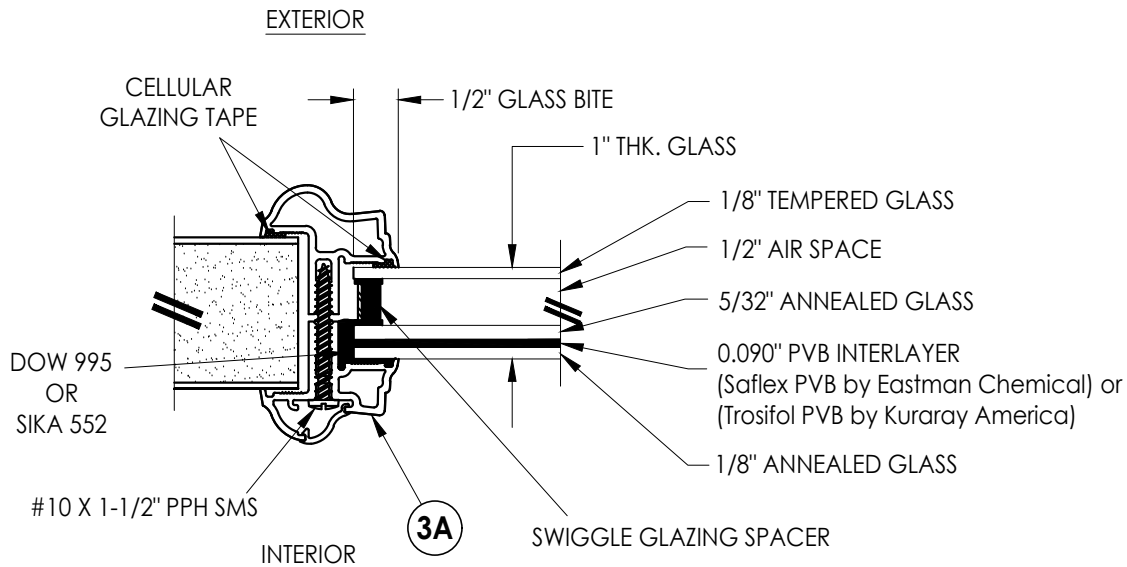
RW BUILDING CONSULTANTS, INC.

P.O. Box 230, Valrico, FL 33595

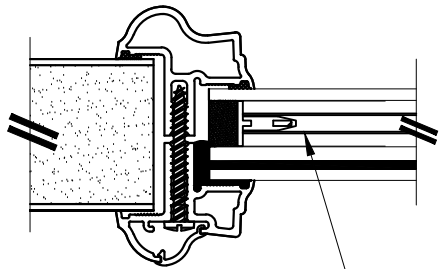
Phone No.: 813.659.9197

FBPE Registry No. 9813

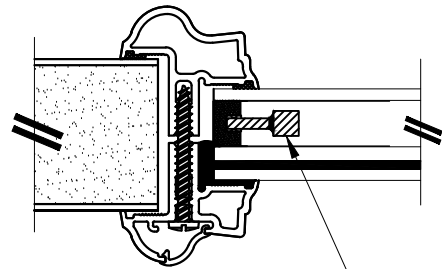
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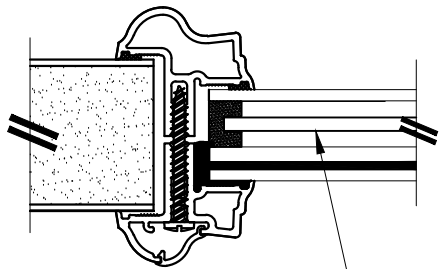
G1 GLAZING DETAIL
Aluminum Impact Lite Frame
Door Panels & Sidelites



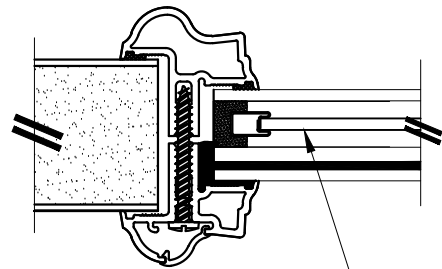
INTERNAL GRID (GBG)



WROUGHT IRON INSERT

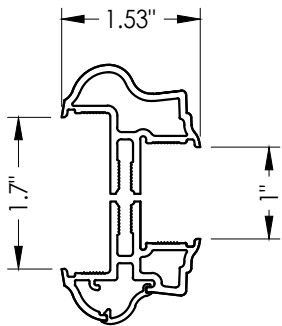


PRIVACY INSERT

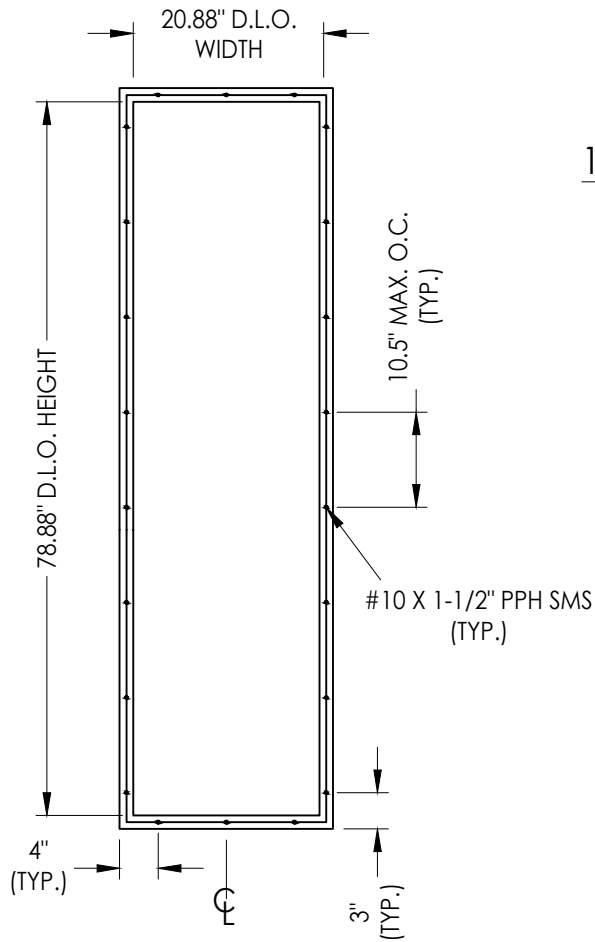


DECORATIVE INSERT

1" LAMINATED INSULATED IMPACT GLASS INSERT OPTIONS



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



ALUMINUM LITE FRAME

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

GLAZING DETAILS

NO.	DATE	REVISIONS			
		UPDATE TO	ED	BY	CHK
4	7/02/26	UPDATE TO	9th ED (2026)	FBC	LFS
3	7/10/23	UPDATE TO	8th ED (2023)	FBC	LFS
2	7/14/20	UPDATE TO	7th ED (2020)	FBC	LFS
1	7/17/19	UPDATE TO	6th ED (2017)	FBC	JK

DATE: 4/28/15

SCALE: N.T.S.

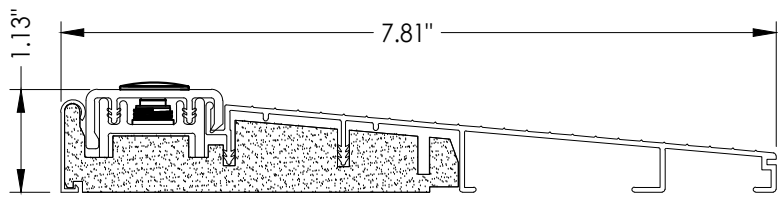
DWG. BY: JK

CHK. BY: LFS

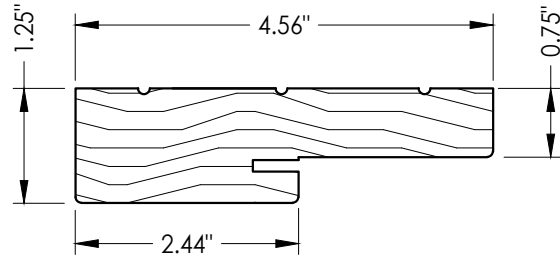
DRAWING NO.:

FL-13459.4

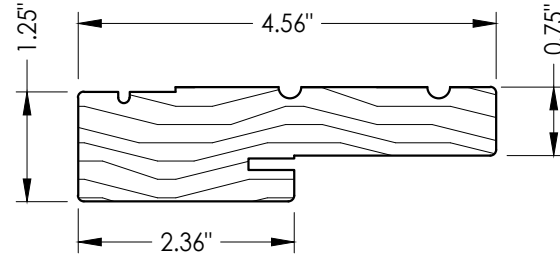
SHEET 13 OF 15



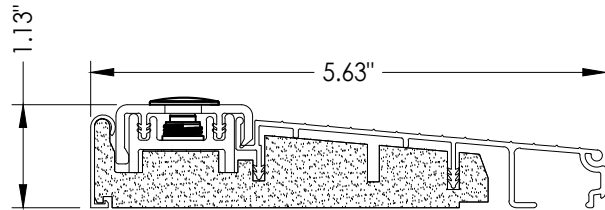
32 INSWING THRESHOLD
Inswing Composite Adjustable 7-3/4" Sill



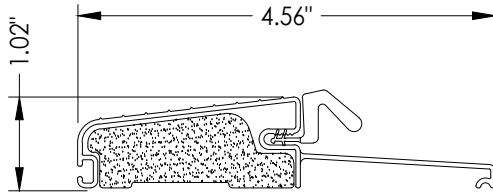
1 WOOD JAMB



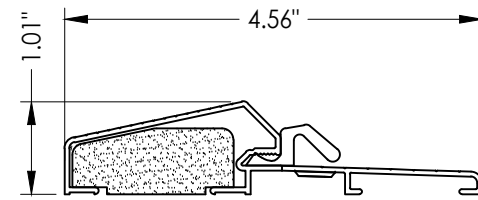
2 WOOD JAMB



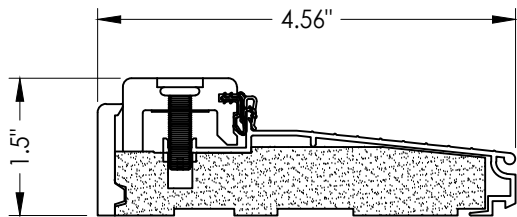
39 INSWING THRESHOLD
Inswing Composite Adjustable Sill



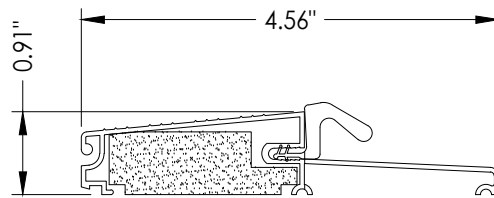
16 OUTSWING THRESHOLD
Composite Sill



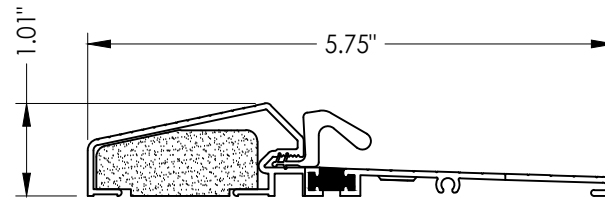
17 OUTSWING THRESHOLD
Composite / Aluminum Sill



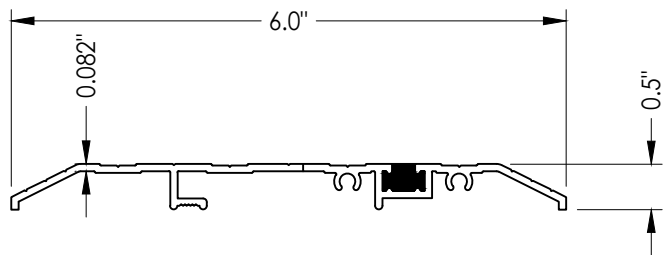
38 INSWING THRESHOLD
Inswing Composite Adjustable Sill



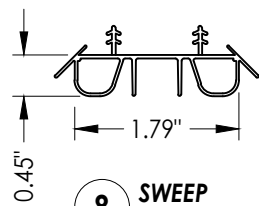
19 OUTSWING THRESHOLD
Composite Sill



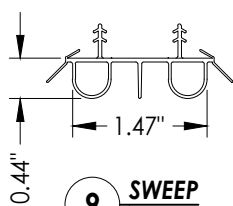
18 OUTSWING THRESHOLD
Composite / Aluminum Sill
(Thermal Break)



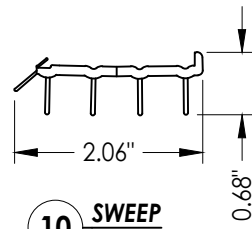
15 PUBLIC ACCESS THRESHOLD



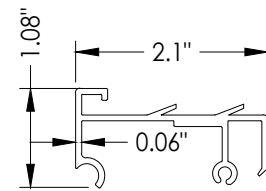
8 SWEEP



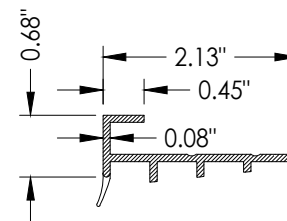
9 SWEEP



10 SWEEP



75 SIDELITE SPACER



76 SIDELITE SPACER

Documents Prepared By:
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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

COMPONENTS

NO.	DATE	REVISIONS			
		DATE	BY	JK	LFS
4	7/02/26	UPDATE TO 9th ED (2026)	FBC	LFS	
3	7/10/23	UPDATE TO 8th ED (2023)	FBC	LFS	
2	7/14/20	UPDATE TO 7th ED (2020)	FBC	LFS	
1	7/17/19	UPDATE TO 6th ED (2017)	FBC	JK	

DATE: 4/28/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-13459.4

SHEET 14 OF 15

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
25	#8 x 2-1/2" PFH WOOD SCREW	STEEL
26	#8 x 5/8" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
28A	DEADBOLT SUB STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
32	INSWING THRESHOLD	ALUM/COMP
34	INTERIOR MULL CASING	WOOD
35	EXTERIOR MULL CASING	WOOD
38	INSWING THRESHOLD	ALUM/COMP
39	INSWING THRESHOLD	ALUM/COMP
40	DOOR PANEL (BOOK)	-
41	DOOR PANEL (HYBRID)	-
42	DOOR PANEL (U1)	-
50	SIDELITE	-
75	SIDELITE SPACER (INSWING)	PVC
76	SIDELITE SPACER (OUTSWING)	PVC

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:

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.

[illegible]