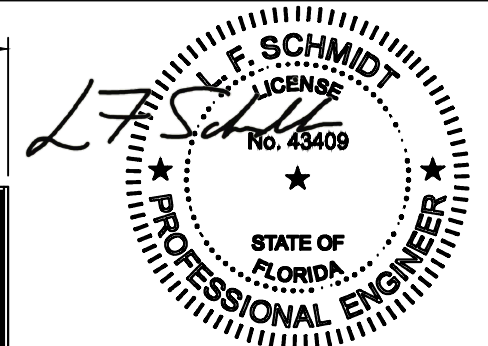


GENERAL NOTES

- | TABLE OF CONTENTS | | | |
|-------------------|--|--------|--------------------------------------|
| SHEET# | DESCRIPTION | SHEET# | DESCRIPTION |
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| 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) | | |



This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.

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considered signed and sealed and the signature
must be verified on any electronic copies.

CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XO, OX, OXO	+50.0	-50.0	+50.0	-50.0

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

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

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES

[illegible]

SHEET 1 OF 15

Diagram illustrating the cross-section of a hinge stile and steel reinforcement. The hinge stile (engineered wood) is shown with a width of 1.18" and a height of 1.7". The steel reinforcement (0.023" thick) is embedded within the stile, extending horizontally and vertically to provide structural support.

1 HORIZONTAL CROSS SECTION

1

EXTERIOR

INTERIOR

LOCK STILE
(ENGINEERED WOOD)

4.02"

Diagram illustrating the horizontal cross section of the door assembly. The diagram shows the hinge stile (engineered wood) with a width of 1.09" and a height of 1.7". The steel reinforcement (0.023" thick) is embedded within the hinge stile. The diagram also shows the exterior and interior views of the door assembly, with labels for G1, EXTERIOR, and INTERIOR.

2 HORIZONTAL CROSS SECTION

[illegible]

Diagram illustrating the dimensions and components of a Hybrid Door:

- 35.813" MAX. DOOR PANEL WIDTH**: Dimension across the top of the door panel.
- 95.25" MAX. DOOR PANEL HEIGHT**: Dimension along the left side of the door panel.
- 3** and **2**: Dimensions for the top panel (3) and bottom panel (2).
- 2** and **2**: Dimensions for the left panel (2) and right panel (2).
- X**: A large 'X' mark indicating the center of the door panel.
- 41**: A circular callout indicating the door panel is a **Hybrid Door**.

Technical drawing of a door panel showing dimensions and components:

- Dimensions:**
 - Top: 35.813" MAX. DOOR PANEL WIDTH
 - Left: 95.06" MAX. DOOR PANEL HEIGHT
 - Right: 48" (overall height), 12" (height from handle to top of panel)
- Components and Markings:**
 - Top center: Circle with "4" over "2"
 - Left center: Circle with "2" over "2"
 - Center: Large "X" marking
 - Bottom center: Circle with "42" (part of a larger assembly)
 - Bottom right: "DOOR PANEL" and "U1 Door" labels
 - Right side: Two circles (handles) and a triangle (lock mechanism)
 - Top and bottom edges: Asterisks (*) indicating mounting points

Technical drawings of vertical cross sections of a composite railing system, labeled 3 and 4.

3 VERTICAL CROSS SECTION

Labels and dimensions for drawing 3:

- 0.9"
- TOP RAIL (COMPOSITE)
- FOAM CORE (POLYURETHANE - 1.9 PCF MIN.)
- INTERIOR
- EXTERIOR
- G1
- 0.89"
- FIBERGLASS SKIN (0.082" THK.)
- BOTTOM RAIL (COMP.)
- 1.7"

4 VERTICAL CROSS SECTION

Labels and dimensions for drawing 4:

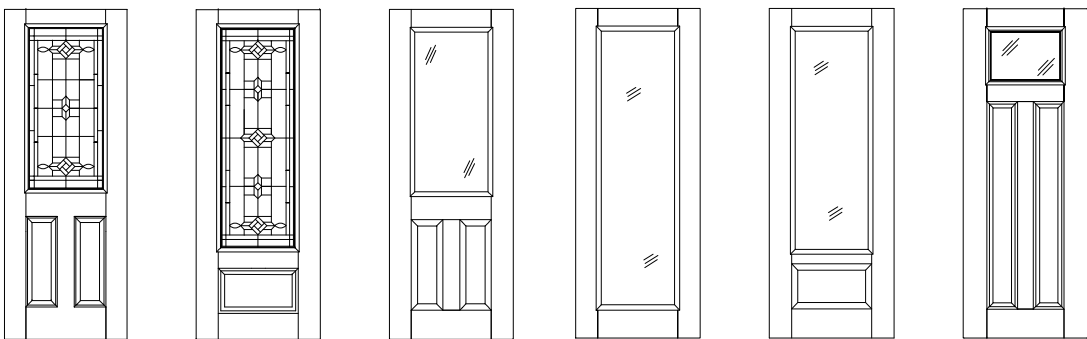
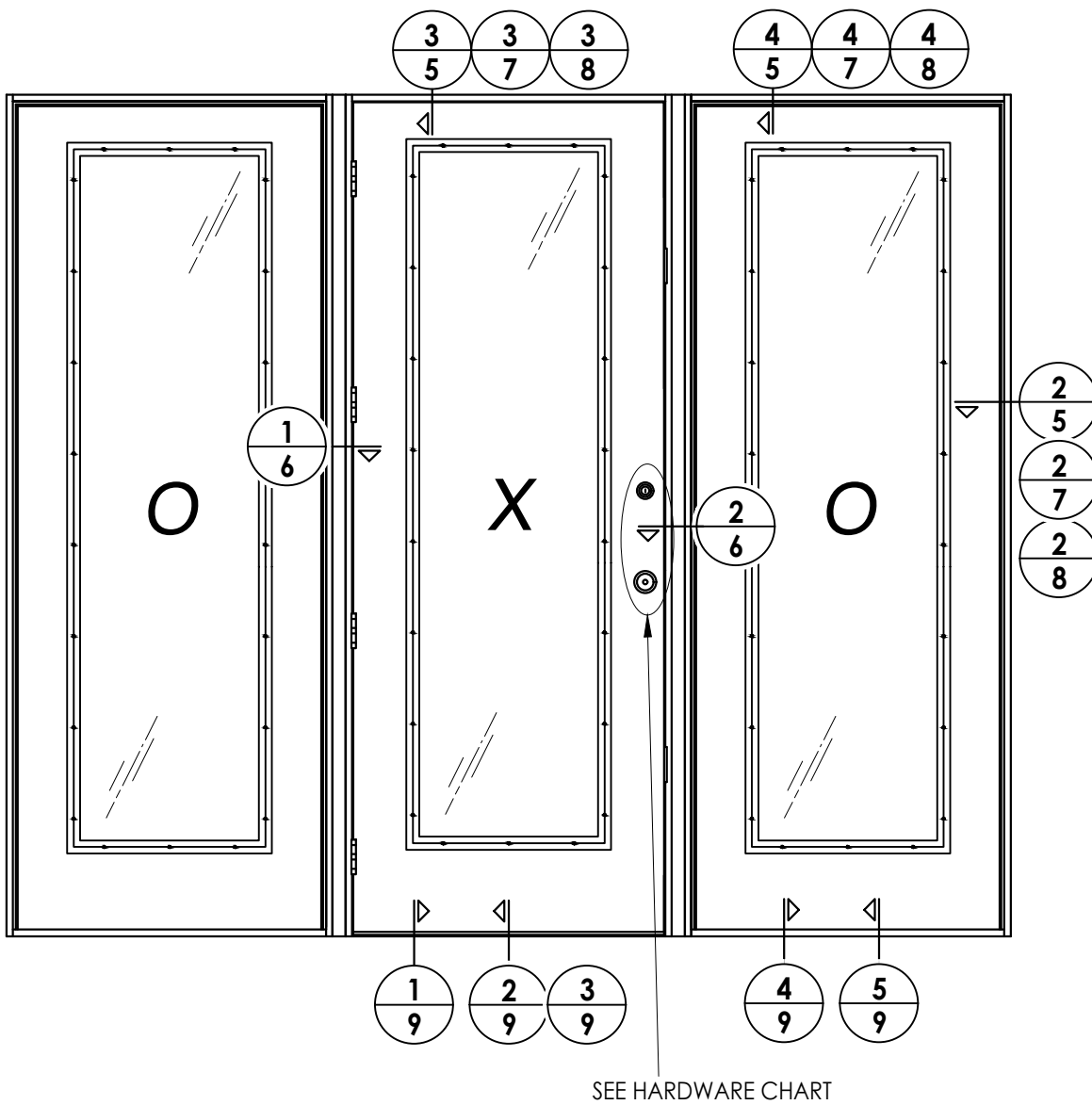
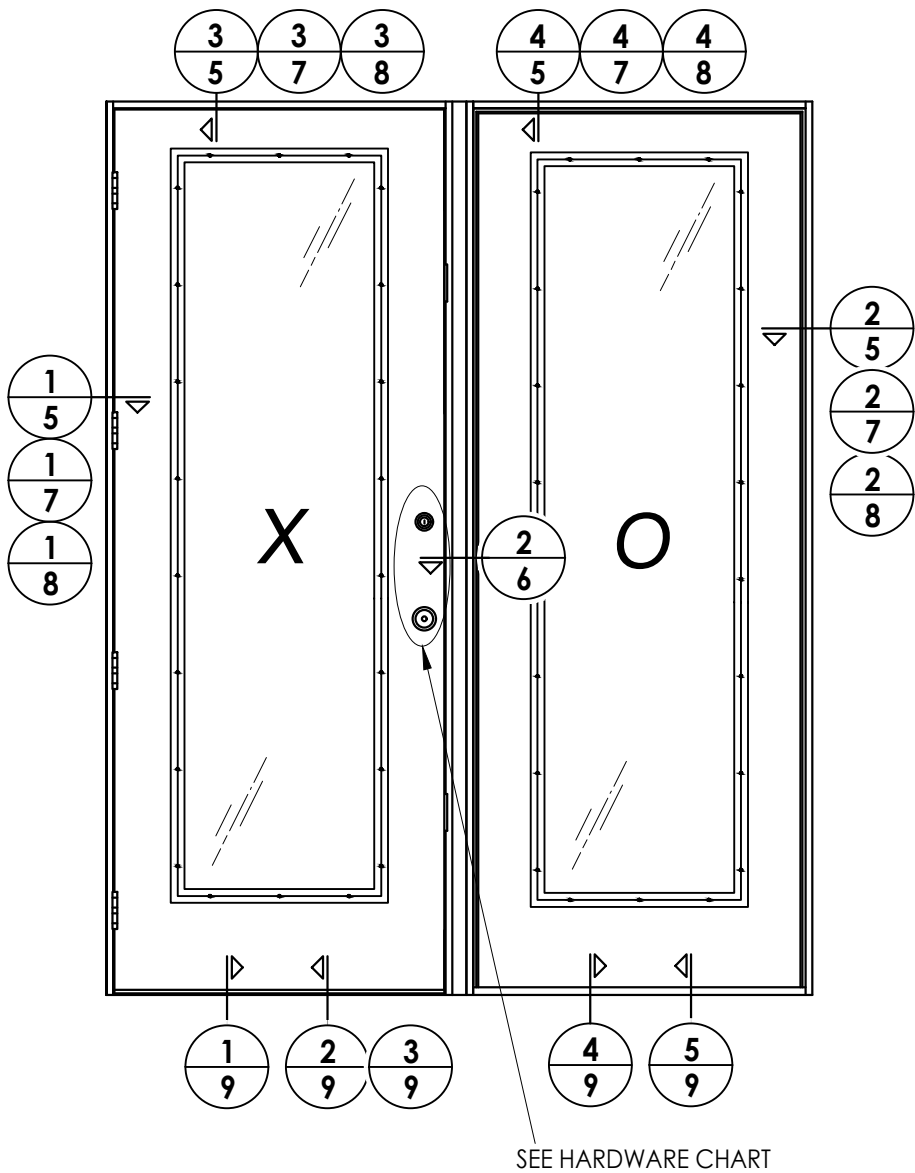
- 0.9"
- TOP RAIL (COMPOSITE)
- FOAM CORE (POLYURETHANE - 1.9 PCF MIN.)
- INTERIOR
- EXTERIOR
- G1
- 0.88"
- FIBERGLASS SKIN (0.082" THK.)
- BOTTOM RAIL (COMP.)
- 1.7"

[illegible]

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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)

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

DATE: 4/28/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.: FL-13459.8

SHEET 4 OF 15

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	7/17/17	UPDATE TO 6TH ED. (2017)	FBC	JK
NO.	DATE	REVISIONS		

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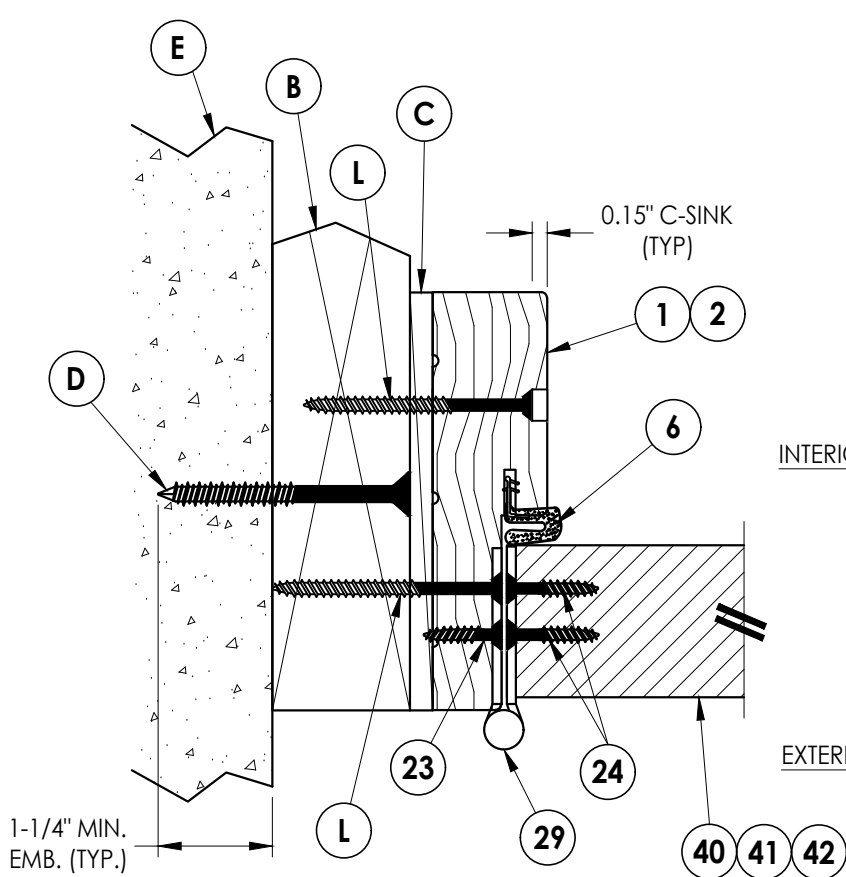
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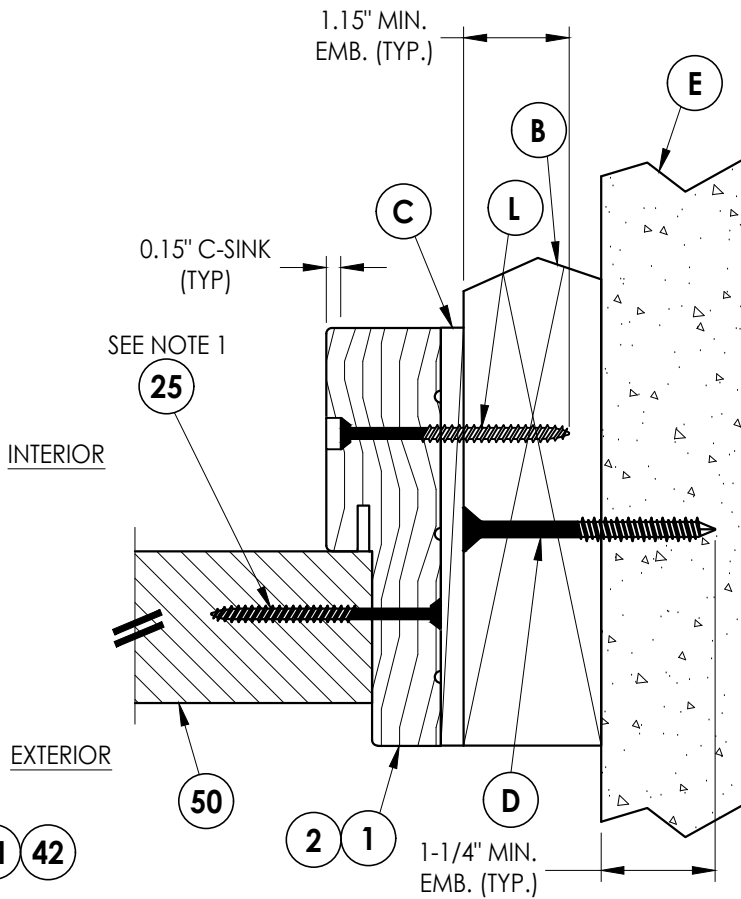
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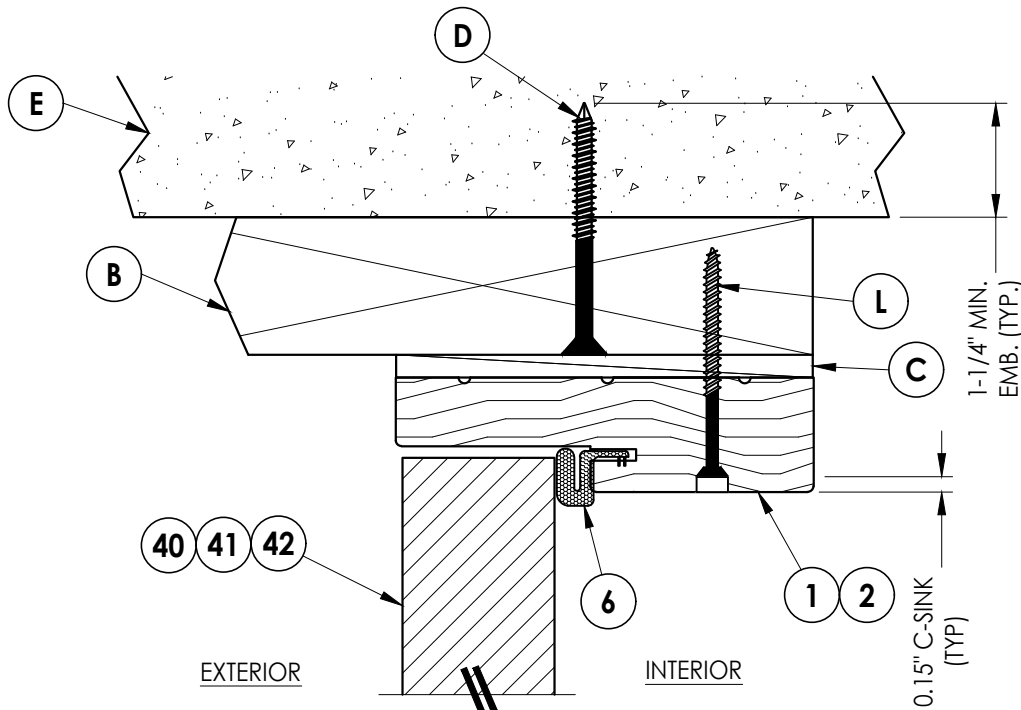
1. Sidelite assembly screws located 6" from top and bottom &
6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 6" from each end and @ center line
(3 screws total).



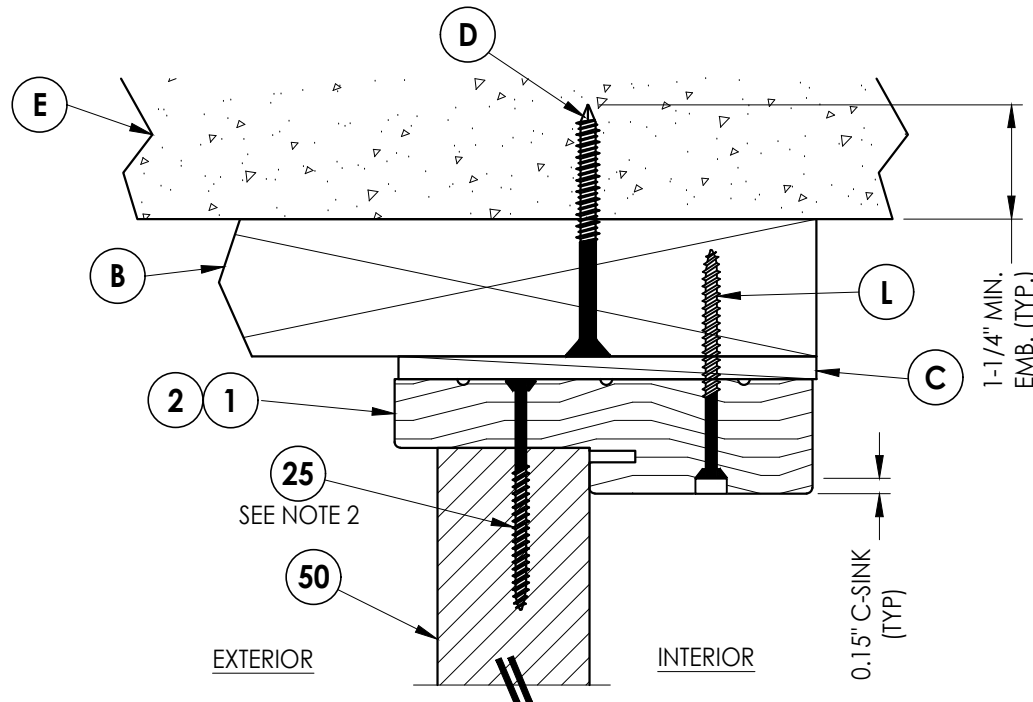
1
5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



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



3
5 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



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

Documents Prepared By:
Lyndon F. Schmidt
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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
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	JK
1	7/17/17	UPDATE TO 6TH ED. (2017) FBC	JK

DATE: 4/28/15

SCALE: N.T.S.

DWG. BY: JK

CHK. BY: LFS

DRAWING NO.:

FL-13459.8

SHEET 5 OF 15

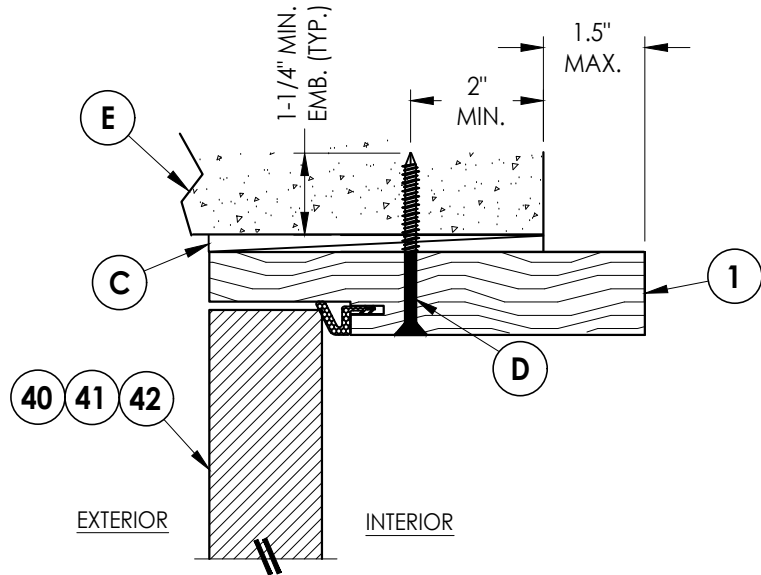
1. Sidelite assembly screws located 6" from top and bottom & 6 more screws equally spaced between (8 screws total per side jamb).

[illegible]

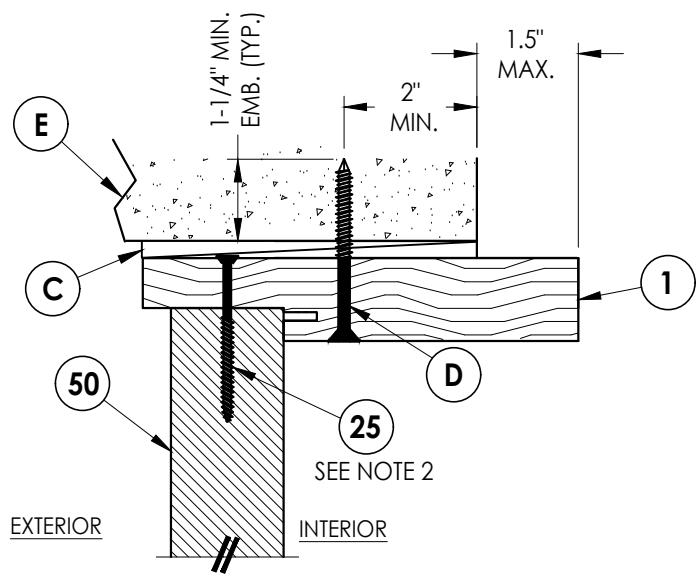
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P.O. Box 230, Valrico, FL 33486
Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

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

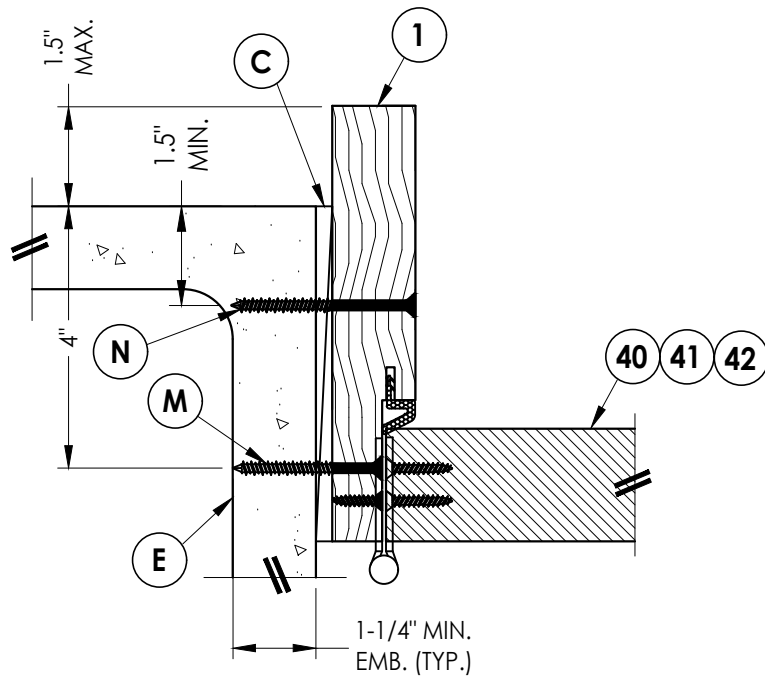


3 **HORIZONTAL CROSS SECTION**
8 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb

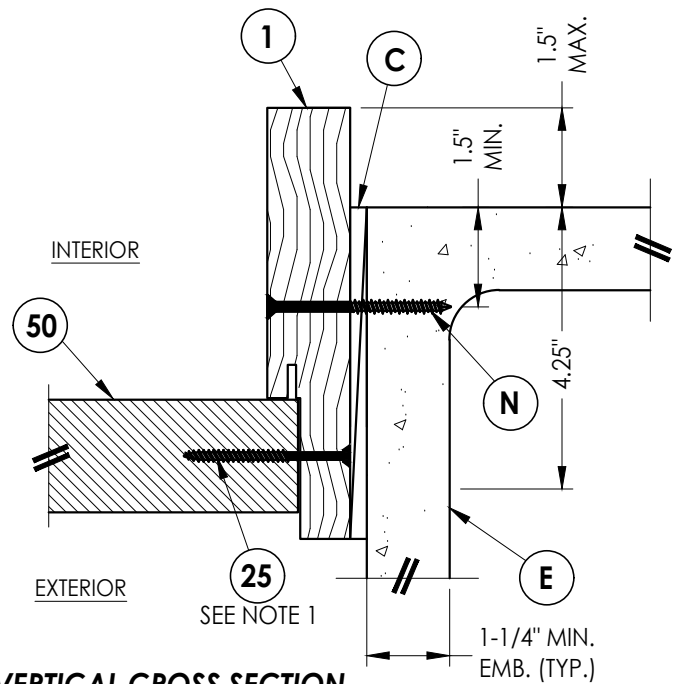


4 **VERTICAL CROSS SECTION**
8 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb

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
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 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
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	7/17/17	UPDATE TO 6TH ED. (2017) FBC
BY		

DATE: 4/28/15

SCALE: N.T.S.

DWG. BY: JK

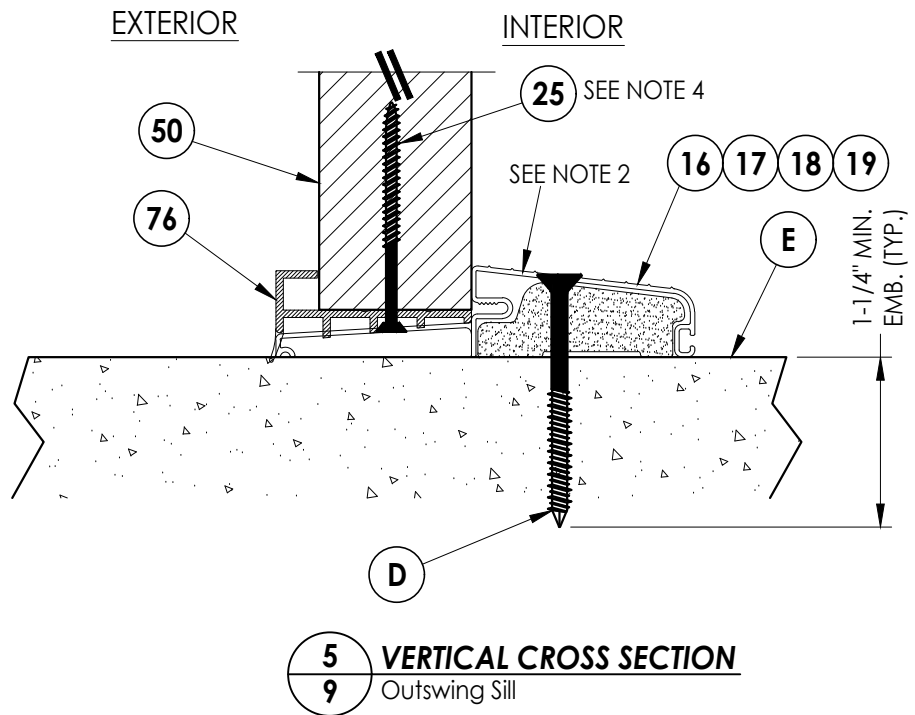
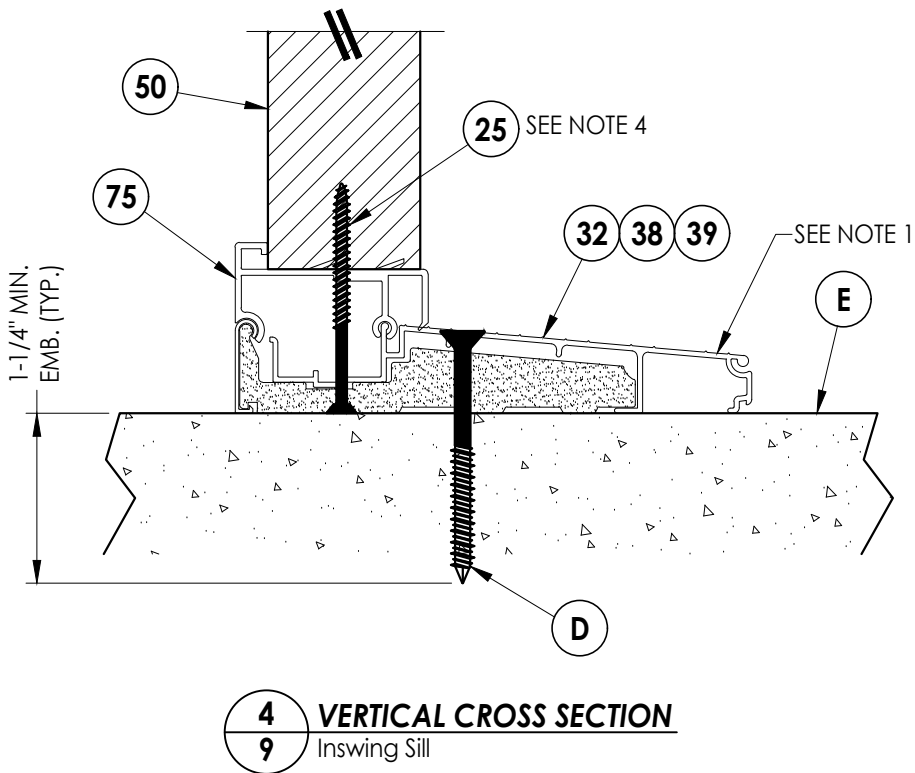
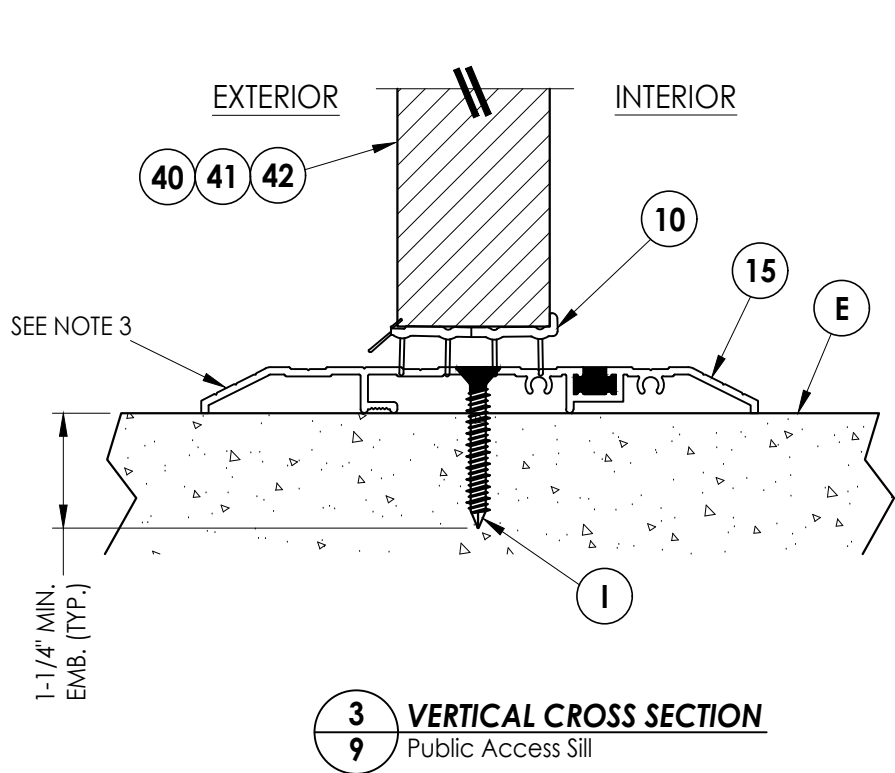
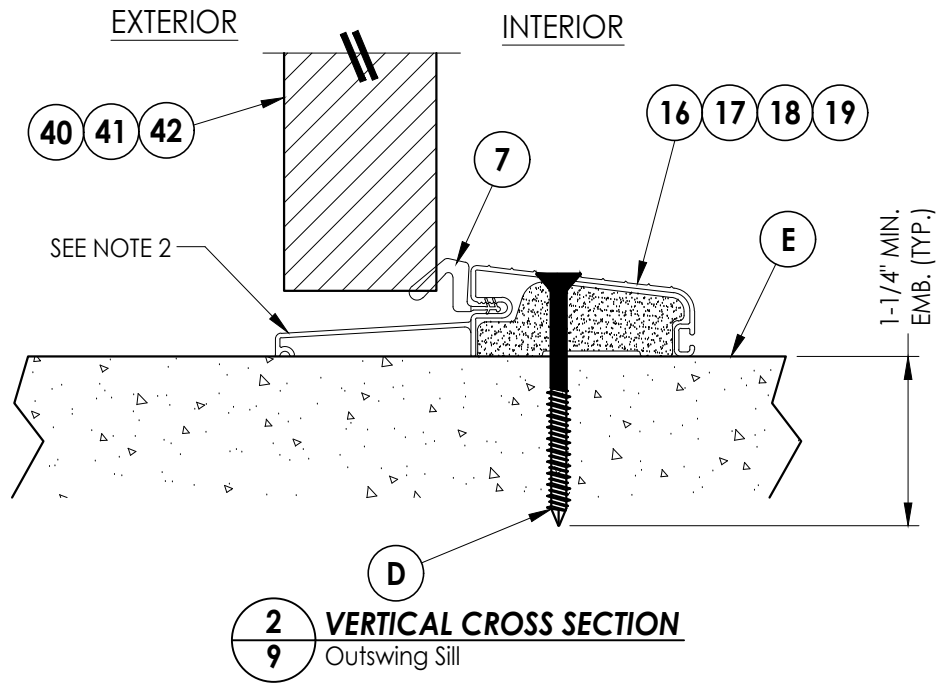
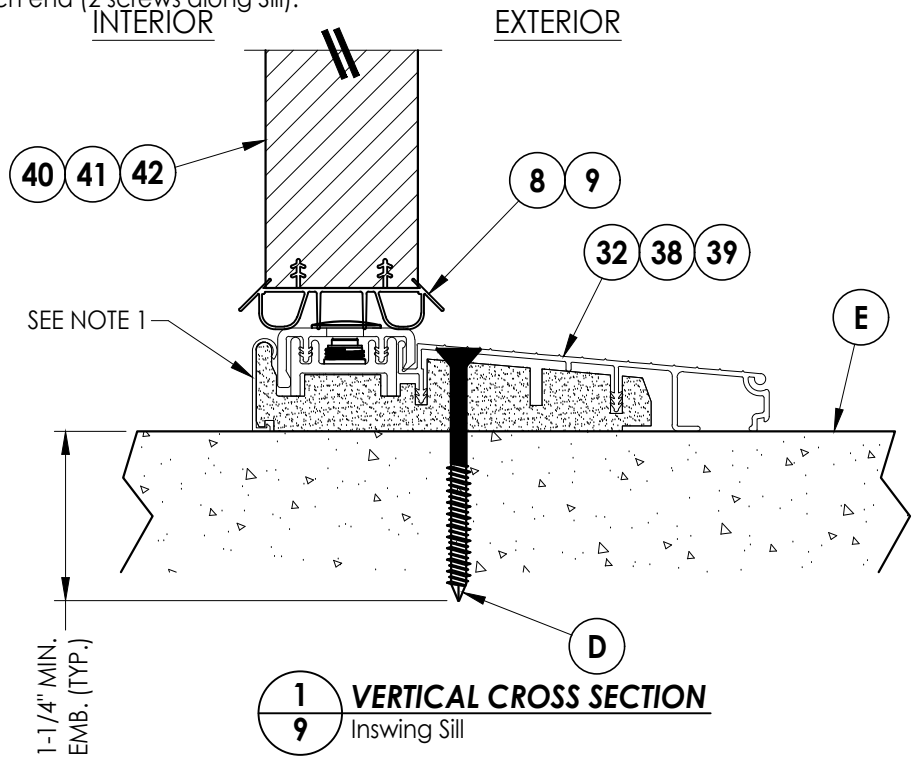
CHK. BY: LFS

DRAWING NO.:

FL-13459.8

SHEET 8 OF 15

- Notes:
- 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.
 - Sill Item #'s 16, 17, 18 & 19 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 at each end.
 - Sidelite assembly screws located 4" from each end (2 screws along Sill).



Documents Prepared By:
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P.E. No. 43409

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FBPE Registry No. 9813

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS			
		DATE	BY	CHK	APP
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	7/17/17	UPDATE TO 6th ED. (2017)	FBC	JK	

DATE: 4/28/15

SCALE: N.T.S.

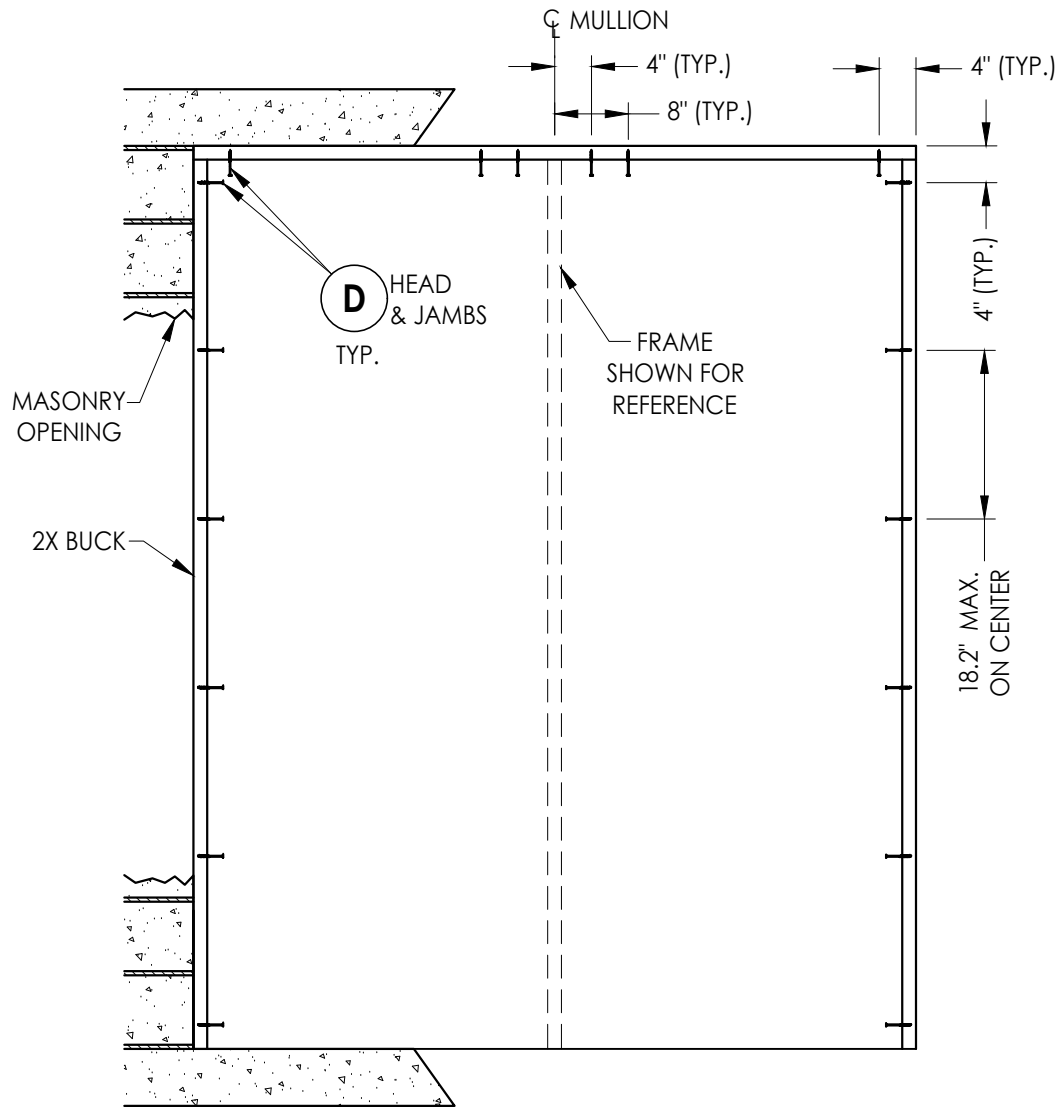
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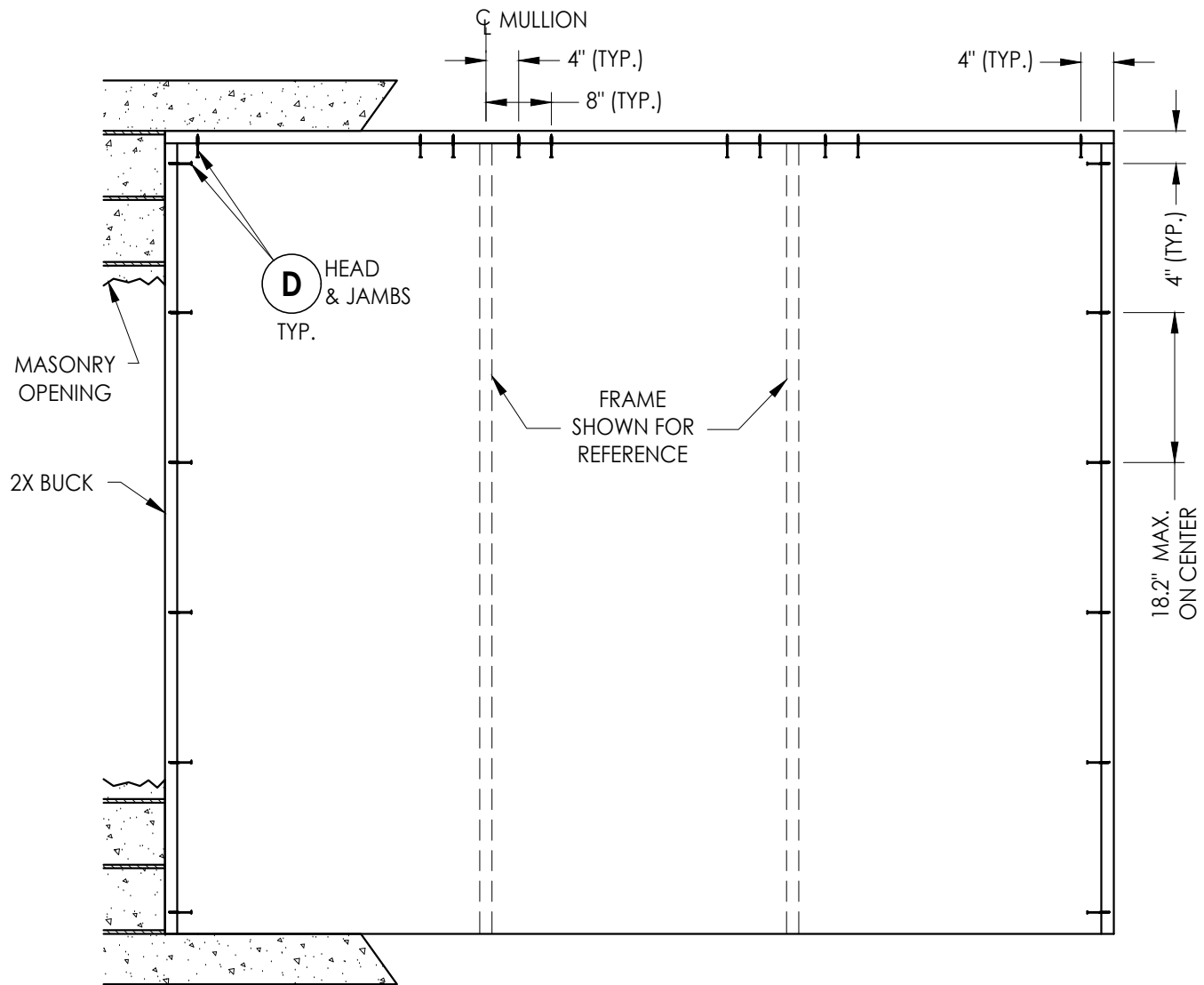
DRAWING NO.:

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SHEET 9 OF 15



XO/OX



OXO

2X BUCK ANCHORING

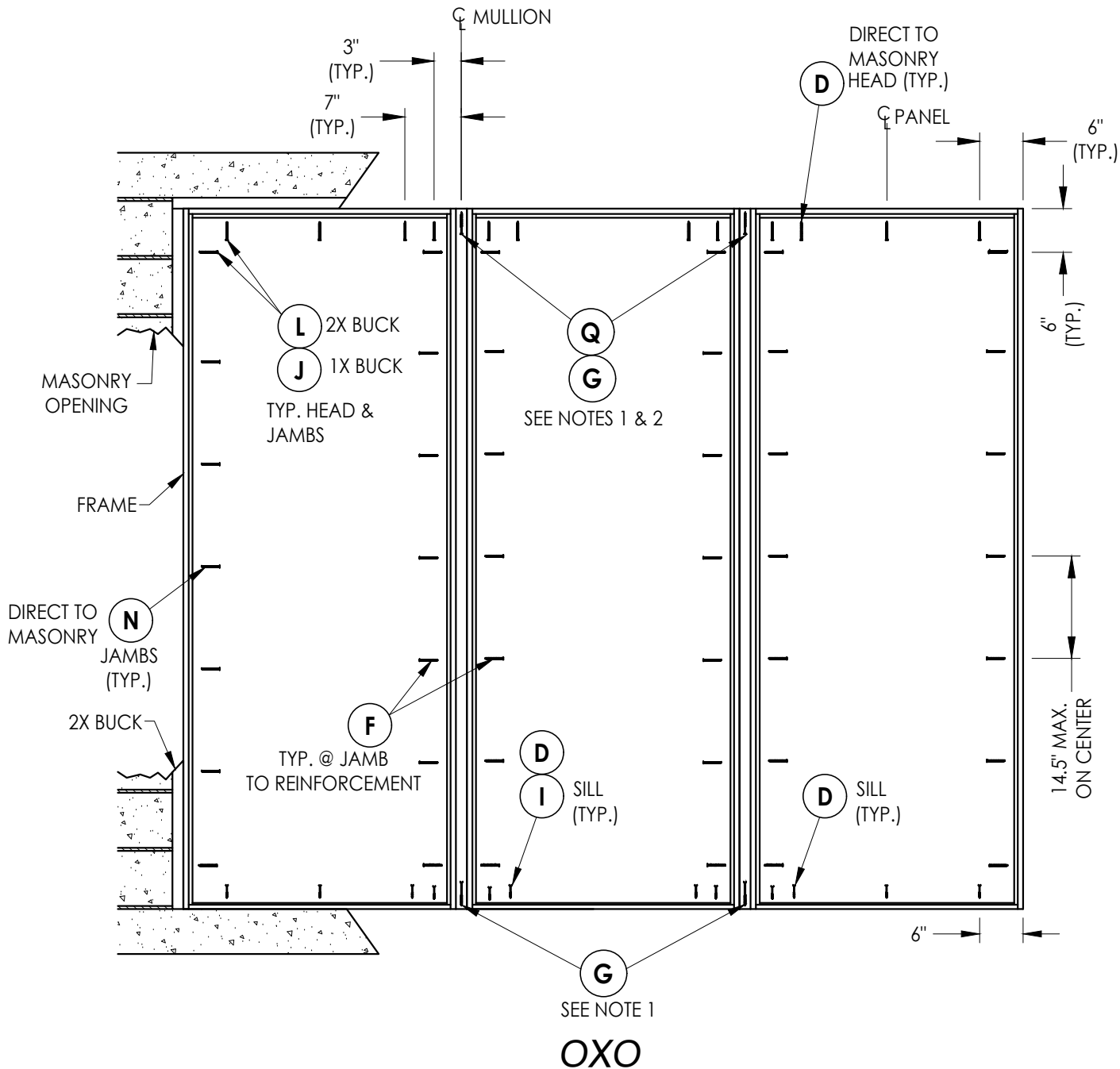
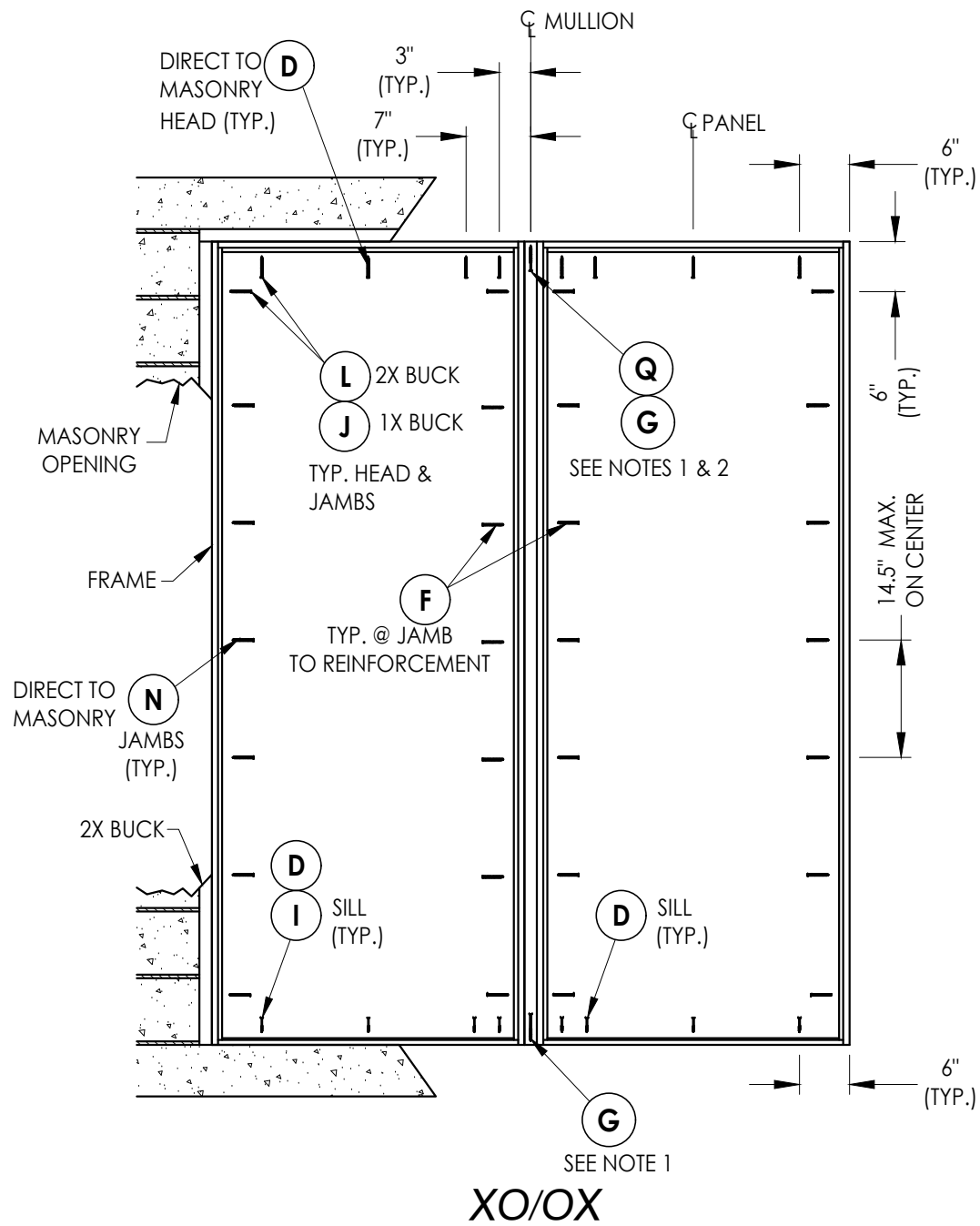
[illegible]

PRODUCT:  THERMA-TRU FIBERGLASS DOOR	PART OR ASSEMBLY: BUCK ANCHORING
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Documents Prepared By:
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P.E. No. 43409

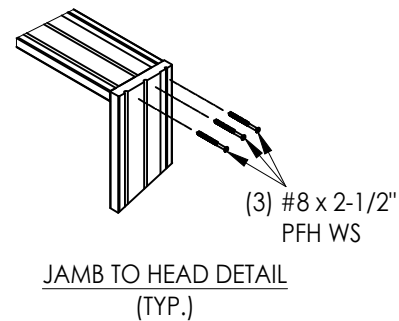
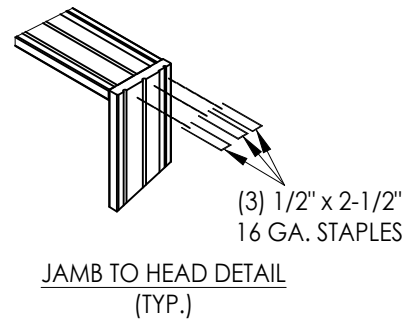
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FBPE Registry No. 9813

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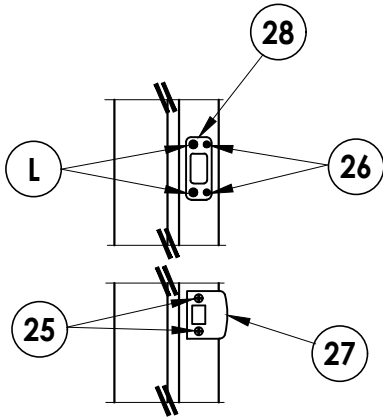
FRAME ANCHORING

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

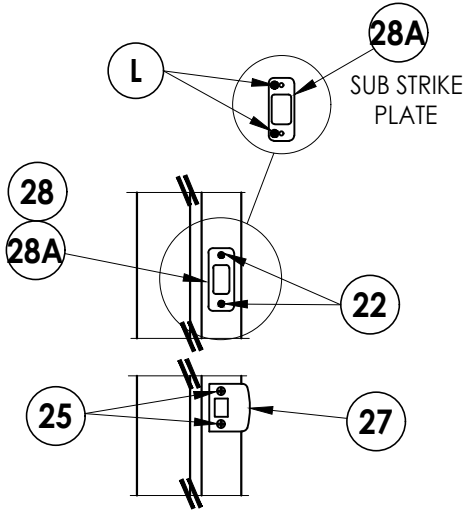


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PRODUCT: THERMA-TRU FIBERGLASS DOOR	PART OR ASSEMBLY: FRAME ANCHORING	REVISONS	
		NO.	DATE
4	7/02/26	UPDATE TO 9th ED (2026)	FBC
3	7/10/23	UPDATE TO 8th ED (2023)	FBC
2	7/14/20	UPDATE TO 7th ED (2020)	FBC
1	7/17/17	UPDATE TO 6TH ED. (2017)	FBC
DATE: 4/28/15		BY	
SCALE: N.T.S.		JK	
DWG. BY:		LFS	
CHK. BY:		LFS	
DRAWING NO.:		FL-13459.8	
SHEET 11 OF 15		© 2015 R.W. BUILDING CONSULTANTS INC.	

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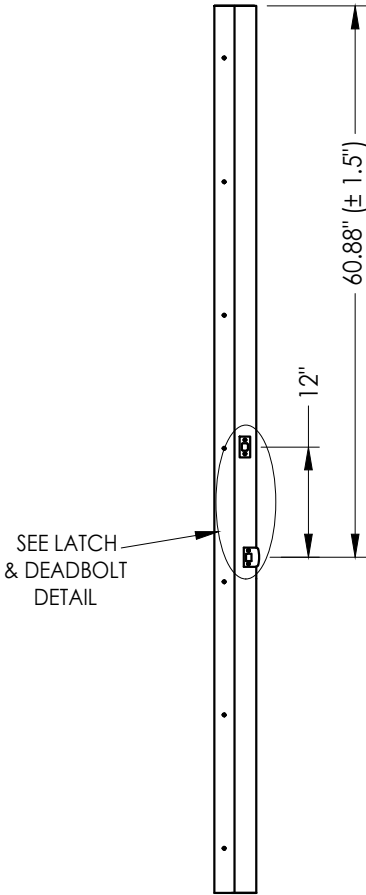


LATCH & DEADBOLT DETAIL
Kwikset

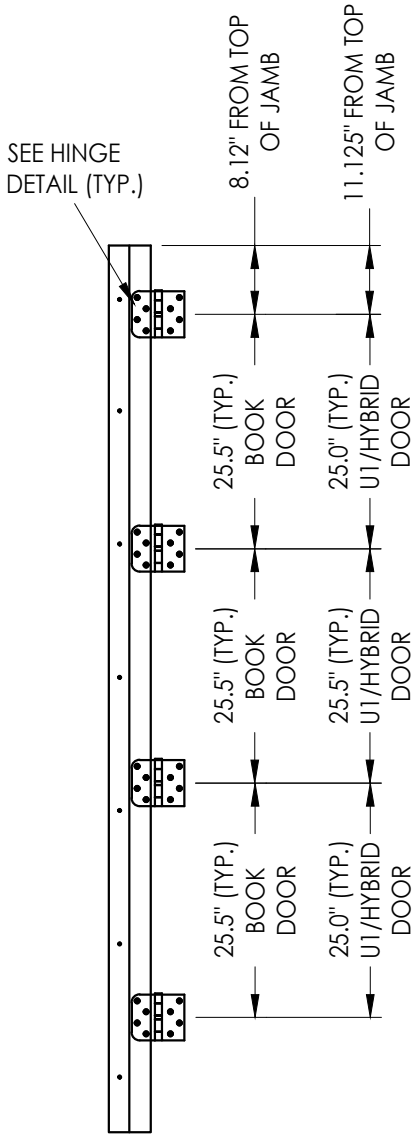


LATCH & DEADBOLT DETAIL
Schlage

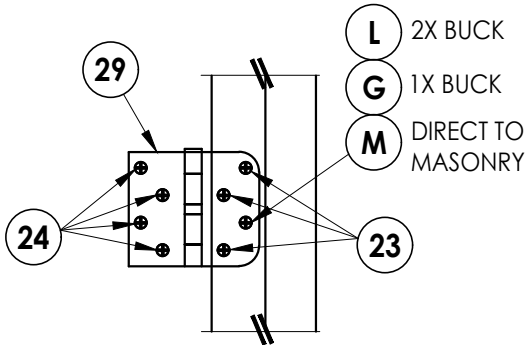
LATCH & DEADBOLT STRIKE DETAILS



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-13459.8

SHEET 12 OF 15

PRODUCT:

THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

HARDWARE DETAILS

Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

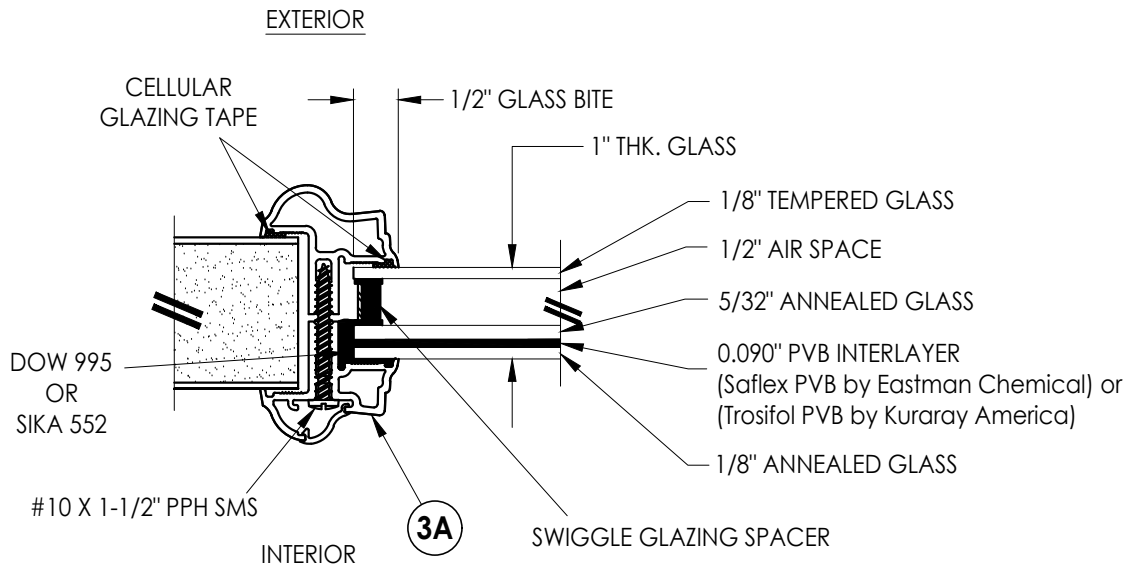
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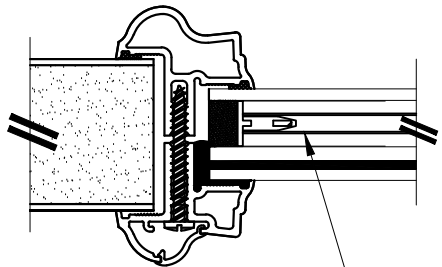
Phone No.: 813.659.9197

FBPE Registry No. 9813

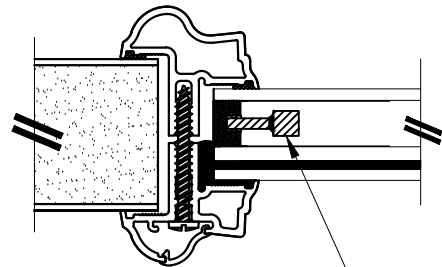
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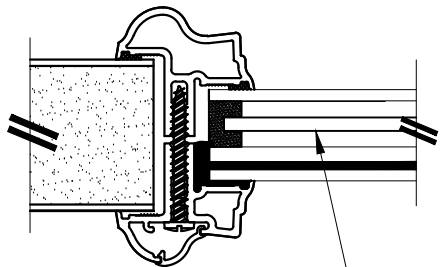
G1 GLAZING DETAIL
Aluminum Impact Lite Frame
Door Panels & Sidelites



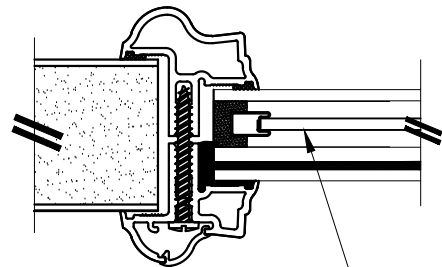
INTERNAL GRID (GBG)



WROUGHT IRON INSERT

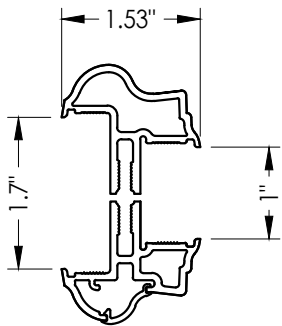


PRIVACY INSERT

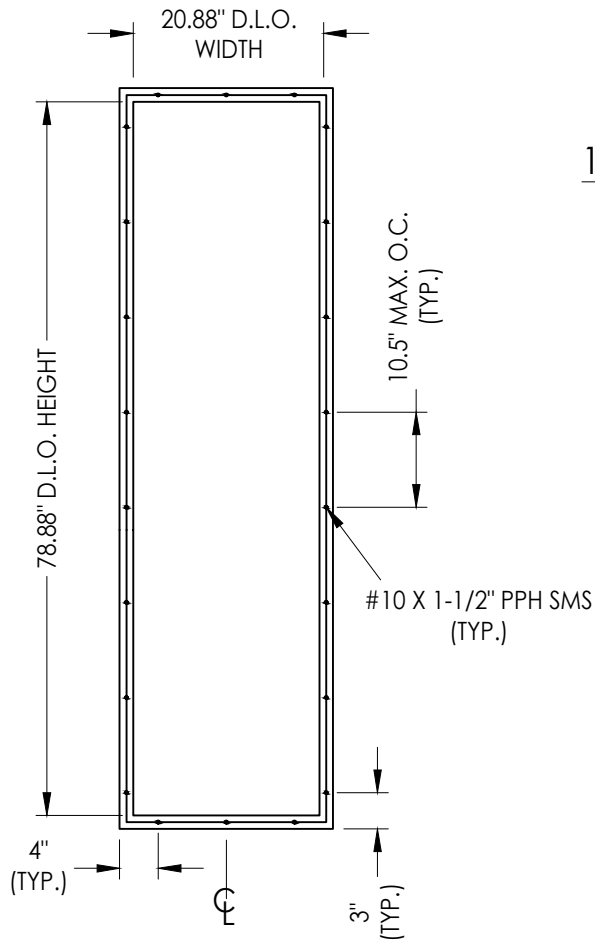


DECORATIVE INSERT

1" LAMINATED INSULATED IMPACT GLASS INSERT OPTIONS



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



ALUMINUM LITE FRAME

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
FIBERGLASS DOOR

PART OR ASSEMBLY:

GLAZING DETAILS

NO.	DATE	REVISIONS			
		UPDATE TO	ED.	BY	
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	7/17/17	UPDATE TO	6th ED. (2017)	FBC	JK

DATE: 4/28/15

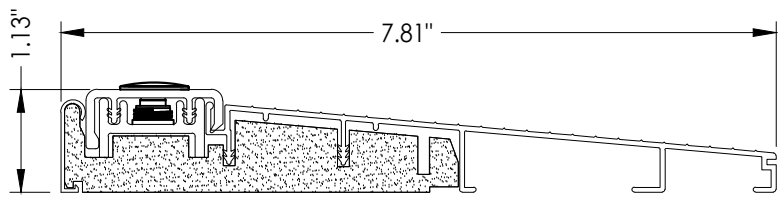
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DWG. BY: JK

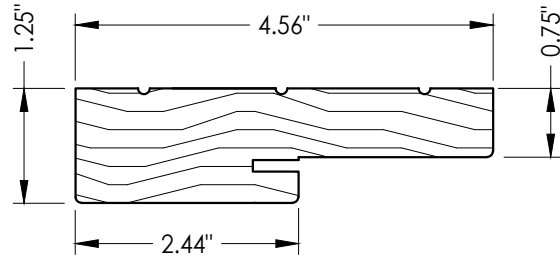
CHK. BY: LFS

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FL-13459.8

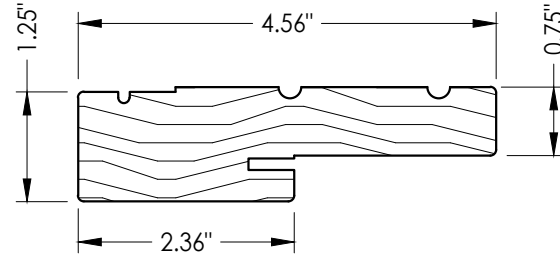
SHEET 13 OF 15



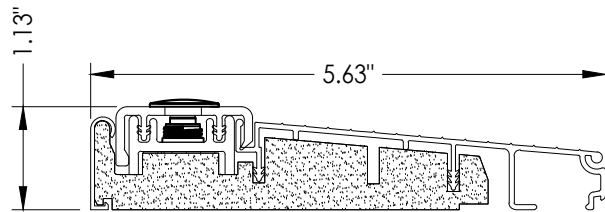
32 INSWING THRESHOLD
Inswing Composite Adjustable 7-3/4" Sill



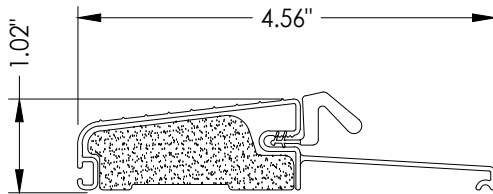
1 WOOD JAMB



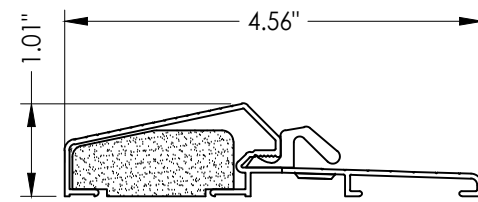
2 WOOD JAMB



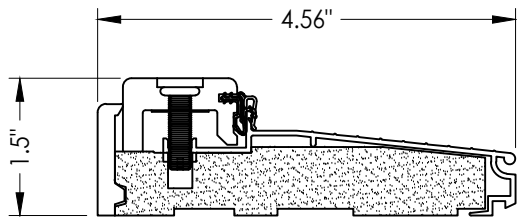
39 INSWING THRESHOLD
Inswing Composite Adjustable Sill



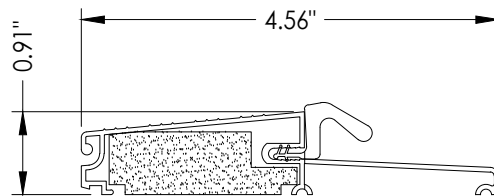
16 OUTSWING THRESHOLD
Composite Sill



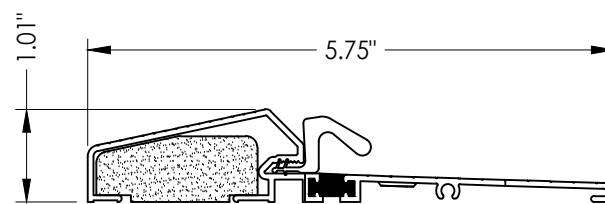
17 OUTSWING THRESHOLD
Composite / Aluminum Sill



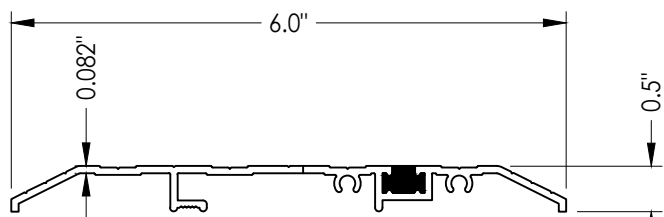
38 INSWING THRESHOLD
Inswing Composite Adjustable Sill



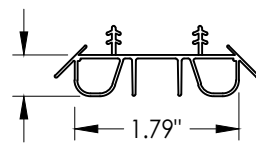
19 OUTSWING THRESHOLD
Composite Sill



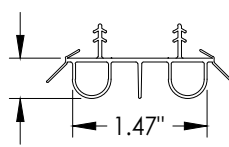
18 OUTSWING THRESHOLD
Composite / Aluminum Sill
(Thermal Break)



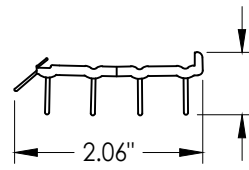
15 PUBLIC ACCESS THRESHOLD



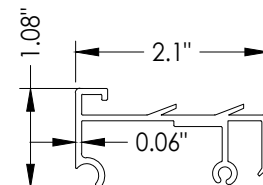
8 SWEEP



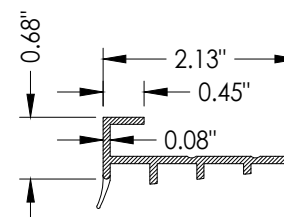
9 SWEEP



10 SWEEP



75 SIDELITE SPACER



76 SIDELITE SPACER

Documents Prepared By:
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
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	7/17/17	UPDATE TO 6th ED. (2017)	FBC	JK	

DATE: 4/28/15
SCALE: N.T.S.
DWG. BY: JK
CHK. BY: LFS
DRAWING NO.:
FL-13459.8
SHEET 14 OF 15

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (SG >= 0.42)	WOOD
B	2X BUCK (SG >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	#10 X 2" PFH WOOD SCREW	STEEL
G	3/16" X 3-1/4" ITW CONCRETE SCREW	STEEL
I	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	1/2" X 1" X 25 GA. CORRUGATED FASTENER	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	3/16" X 2-1/4" ITW CONCRETE SCREW	STEEL
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL
Q	#10 x 3" PFH WOOD SCREW	STEEL
X	2X MULLION	WOOD
1	JAMB (FINGER JOINT PINE)	WOOD
2	JAMB (FINGER JOINT PINE)	WOOD
6	WEATHERSTRIP (MEDIUM REACH)	FOAM
7	WEATHERSTRIP (LONG REACH)	FOAM
8	SWEEP	VINYL
9	SWEEP (USE w/ MODERATE CLIMATE THRESHOLD)	VINYL
10	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL
15	PUBLIC ACCESS THRESHOLD	ALUM
16	OUTSWING THRESHOLD	ALUM/COMP
17	OUTSWING THRESHOLD	ALUM/COMP
18	OUTSWING THRESHOLD	ALUM/COMP
19	OUTSWING THRESHOLD	ALUM/COMP
22	#8 x 3/4" PFH WOOD SCREW	STEEL
23	#10 x 3/4" PFH WOOD SCREW	STEEL
24	#10 x 1" PFH WOOD SCREW	STEEL

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

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:

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]