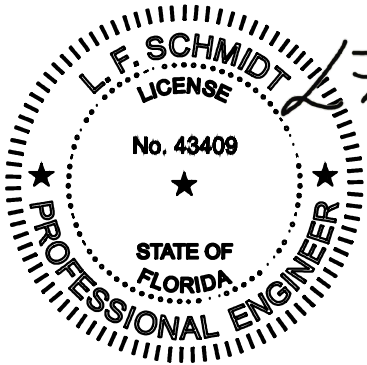


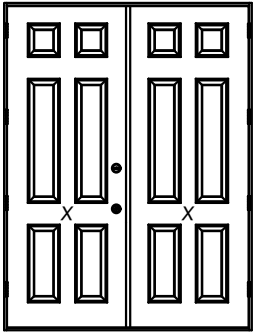
G:\2023 FBC DRAWINGS 7-27-26\Therma-Tru\FL-23957 R4\FL-23957.4-6.dwg



Digitally signed by Lyndon F Schmidt
Date: 2026.08.08 09:09:49 -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



OPAQUE FIBERGLASS DOUBLE DOOR
w/ or w/out SIDELITES
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 coastal sill item #21 under active doors, and all sills used under sidelites meet water infiltration requirements for the "HVHZ".
8. Inswing configurations and outswing configurations (other than sill item #21) under active doors 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.

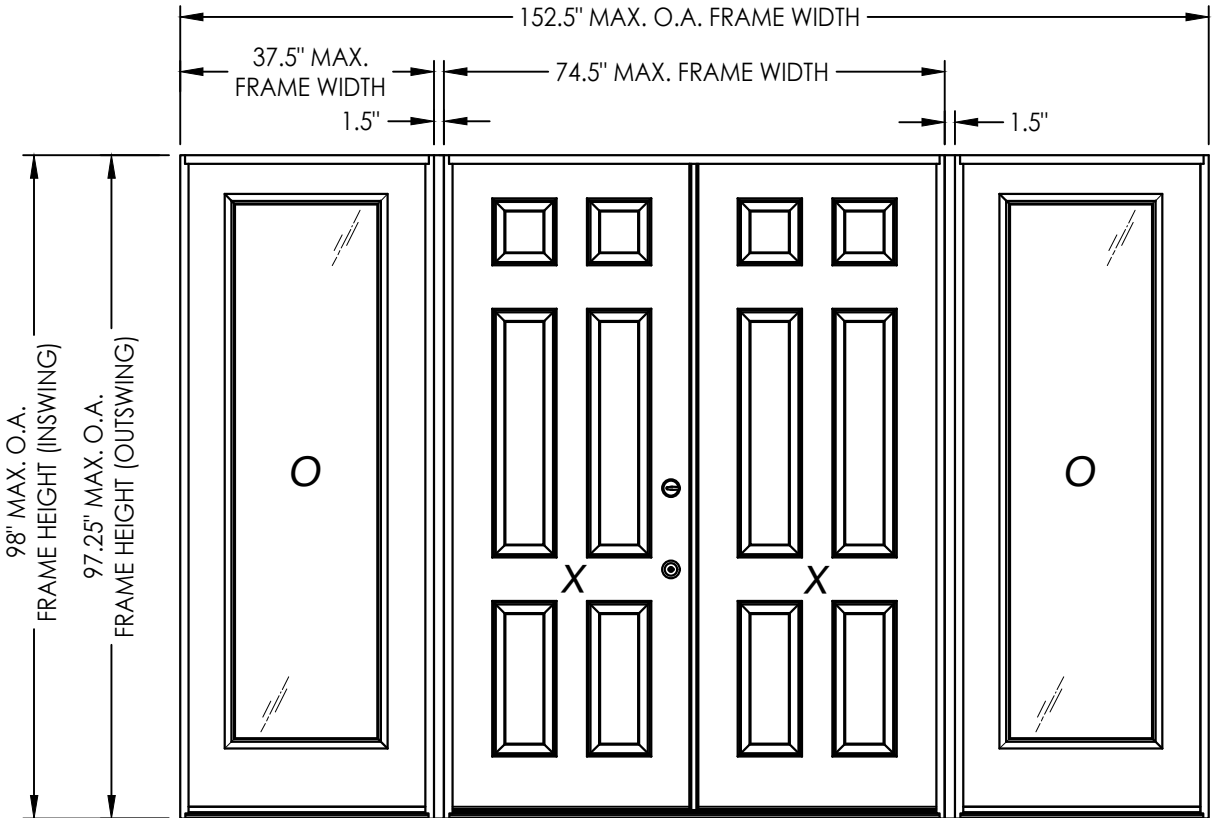


TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET #	
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2	Door Panel Details	9	Buck Anchoring
3	Sidelite Panel Details	10	Frame Anchoring
4	Elevations	11	Hardware Details
5	Horizontal & Vertical Cross Sections (2X Buck)	12	Components
6	Horizontal & Vertical Cross Sections (1X Buck)	13	Bill of Materials
7	Horizontal & Vertical Cross Sections (Direct to Masonry)		

CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX, OXXO	+50.0	-55.0	+55.0	-55.0

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC	LFS
2	7/24/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC	LFS
NO.	DATE			BY

REVISIONS

DATE: 4/21/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

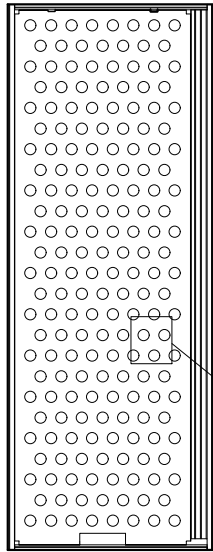
DRAWING NO.: FL-23957.6

SHEET 1 OF 13

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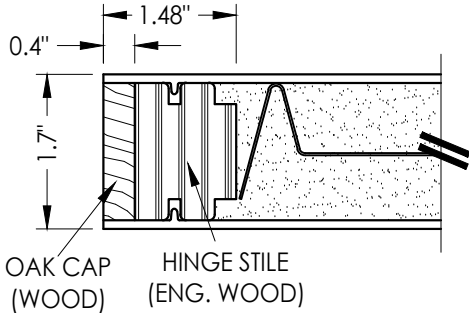
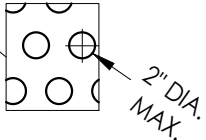
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

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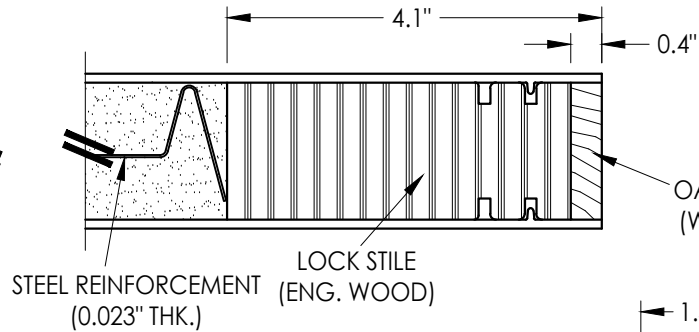


DOOR PANEL SECTION
PANEL REINFORCEMENT
(0.023" Thick Steel)

STEEL REINFORCEMENT
28.86% OPEN
AREA MAX.

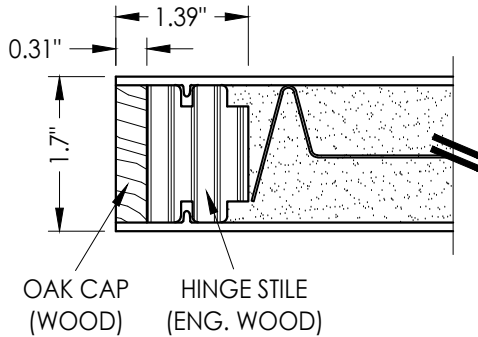


OAK CAP
(WOOD)
HINGE STILE
(ENG. WOOD)

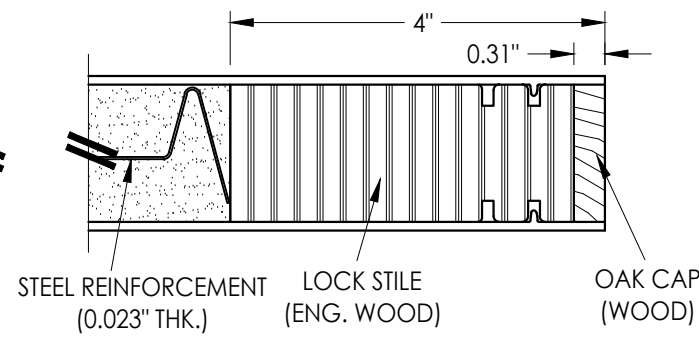


STEEL REINFORCEMENT
(0.023" THK.)
LOCK STILE
(ENG. WOOD)
OAK CAP
(WOOD)

1
2 **HORIZONTAL CROSS SECTION**

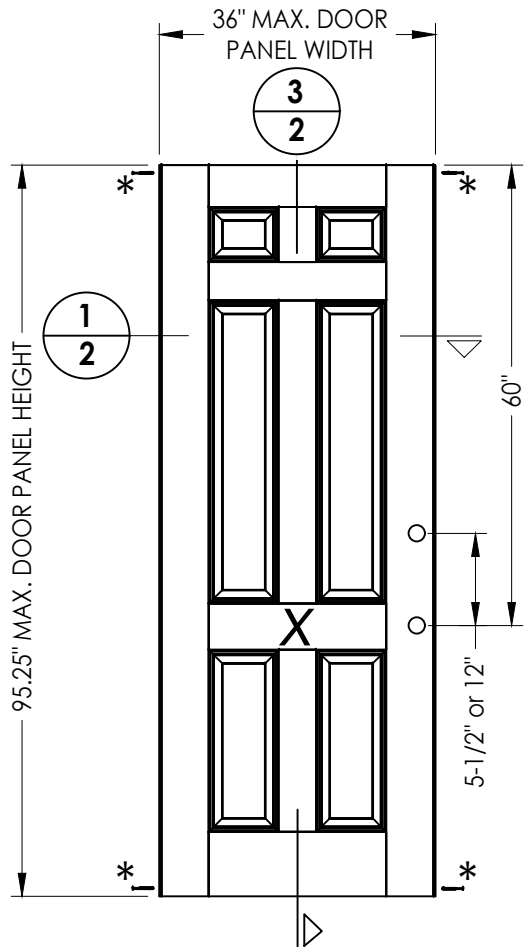


OAK CAP
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HINGE STILE
(ENG. WOOD)

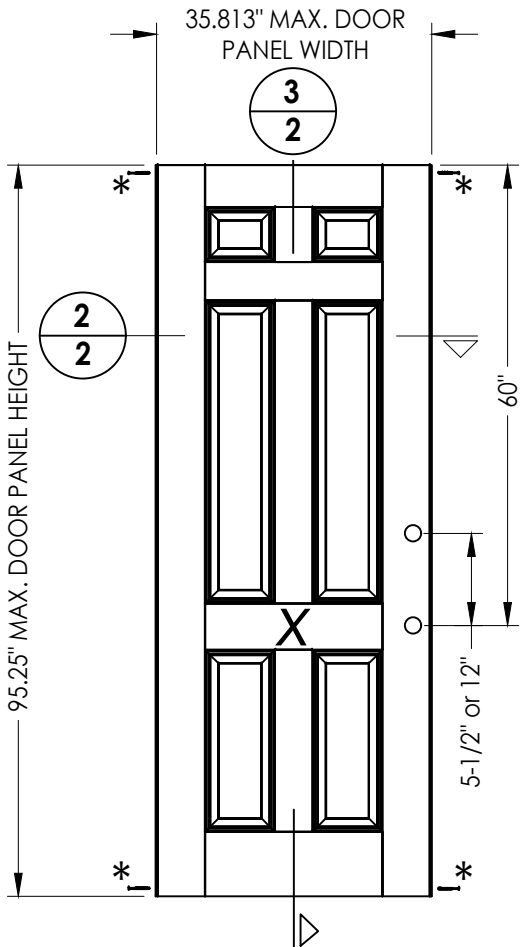


STEEL REINFORCEMENT
(0.023" THK.)
LOCK STILE
(ENG. WOOD)
OAK CAP
(WOOD)

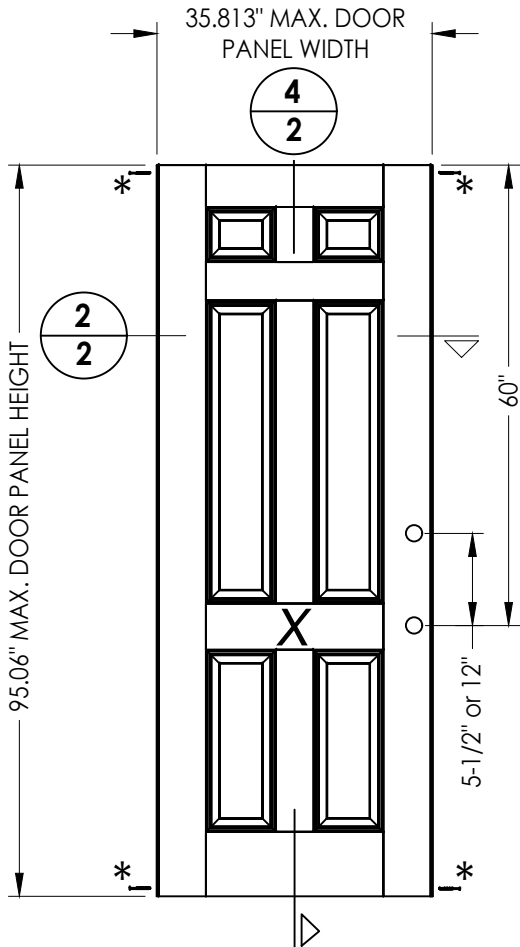
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2 **HORIZONTAL CROSS SECTION**



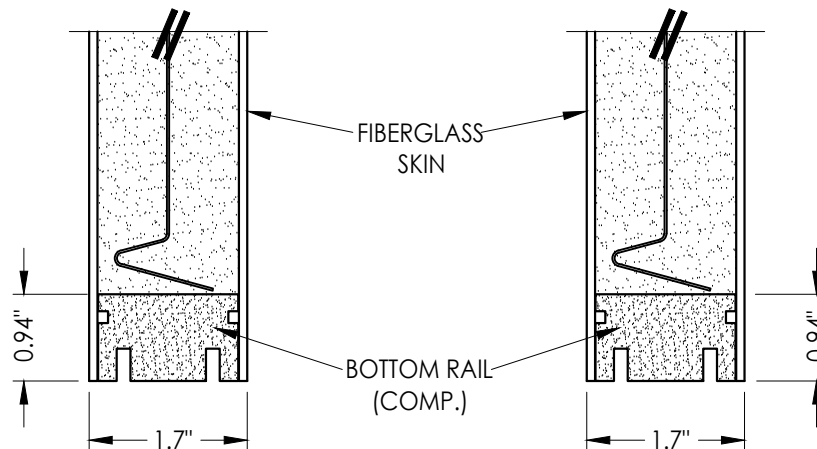
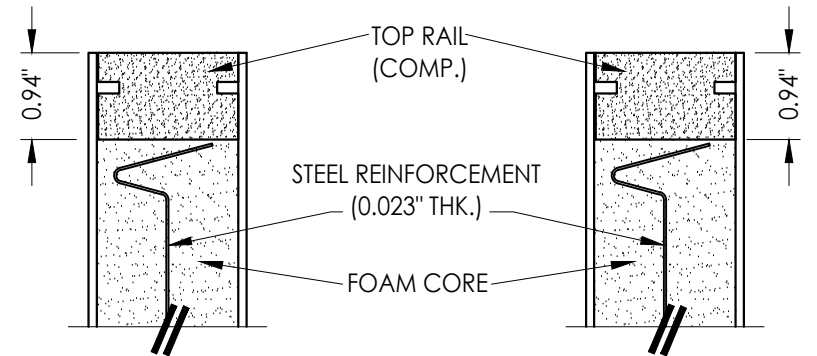
40 **DOOR PANEL**
BOOK



41 **DOOR PANEL**
Hybrid Door



42 **DOOR PANEL**
U1 Door



3
2 **VERTICAL CROSS SECTION**

4
2 **VERTICAL CROSS SECTION**

"Classic-Craft" SERIES DOOR PANEL

FIBERGLASS DOOR SKIN: 0.125" MIN. THK.

FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	7/24/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC LFS

DATE: 4/21/20

SCALE: N.T.S.

DWG. BY: RW

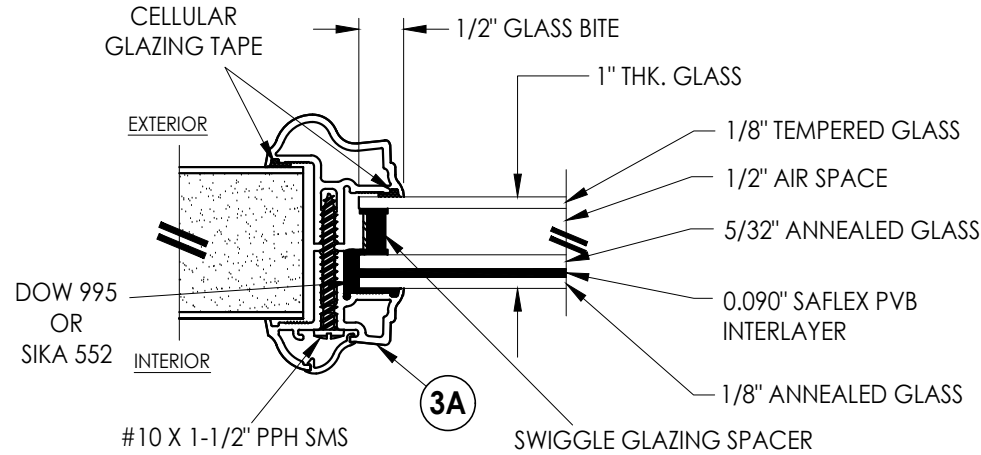
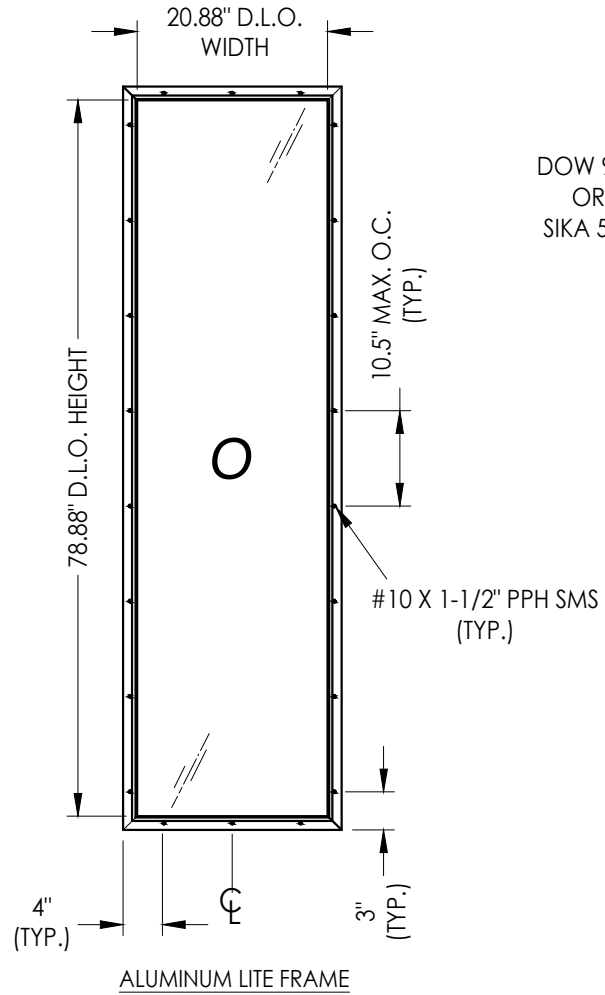
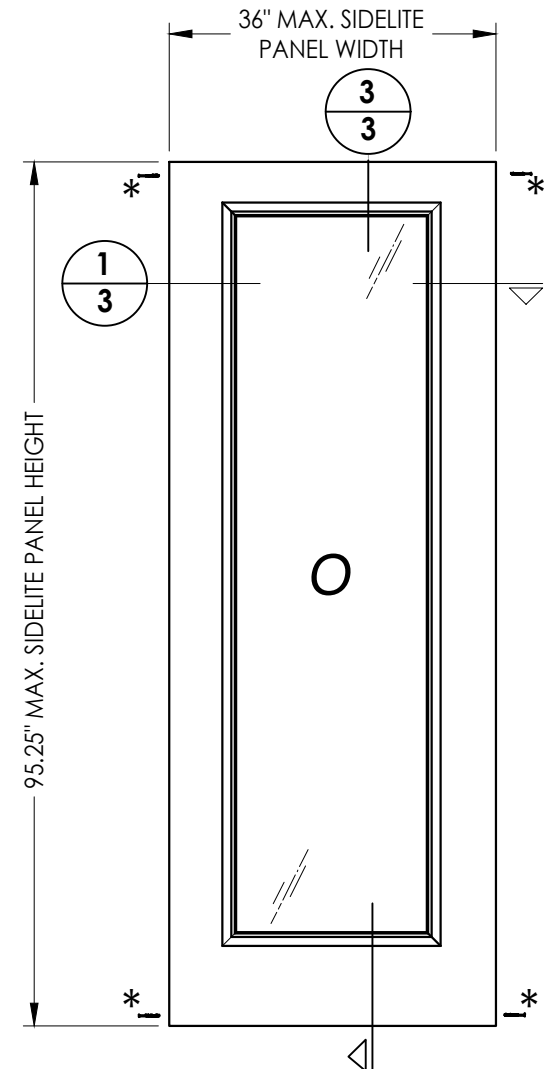
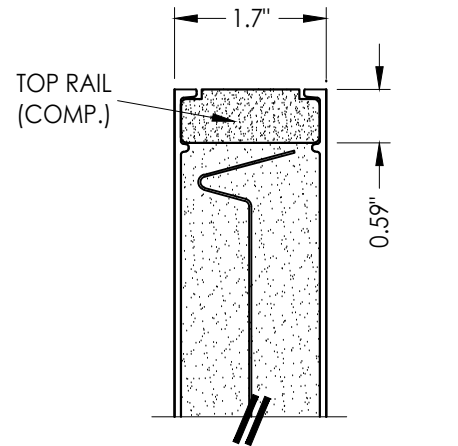
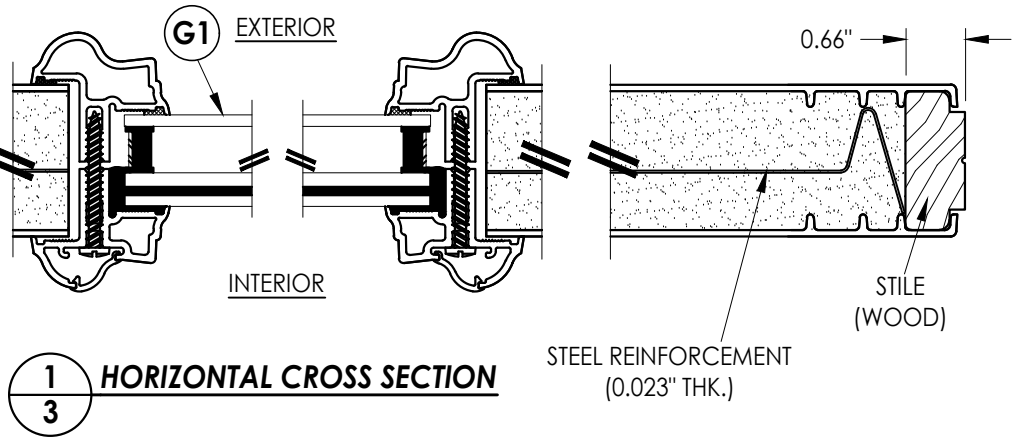
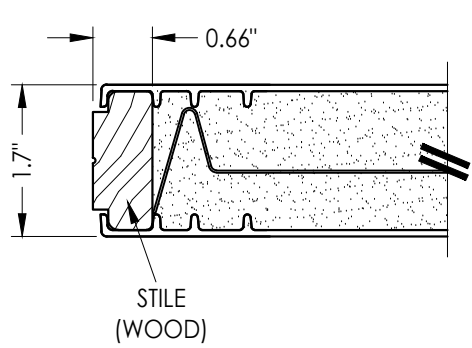
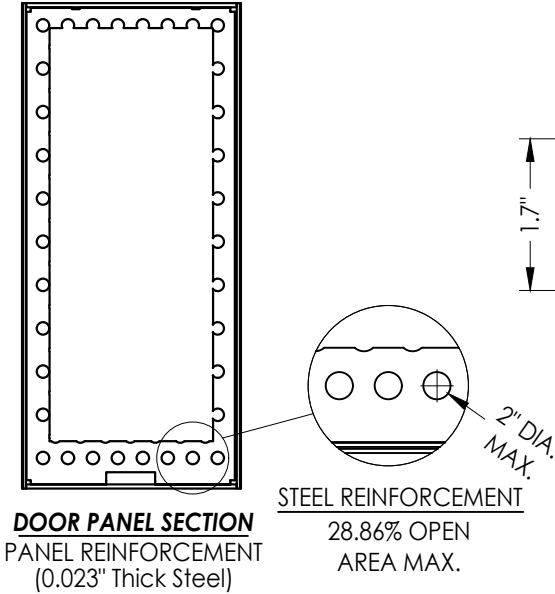
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DRAWING NO.: FL-23957.6

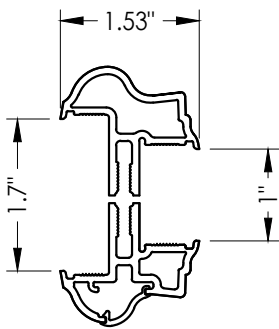
SHEET 2 OF 13

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FBPE Registry No. 9813

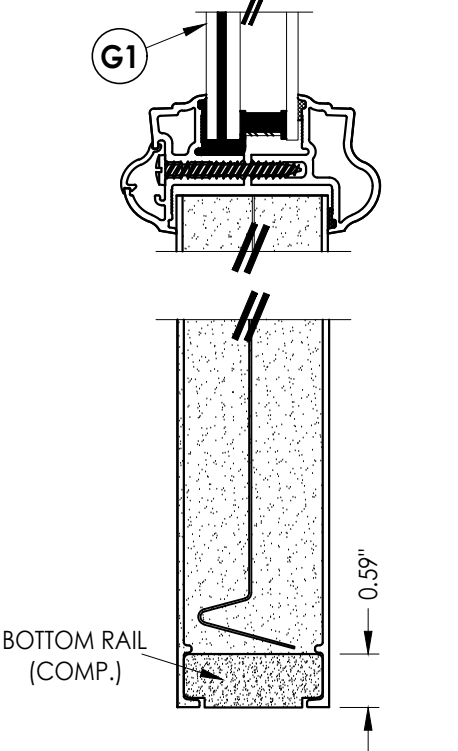
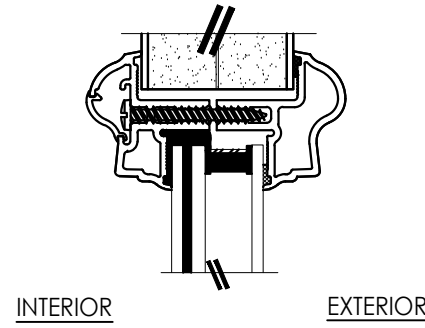
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G1 GLAZING DETAIL
Aluminum Impact Lite Frame
Door Panels & Sidelites



3A ALUMINUM FRAME
Aluminum Impact Lite Frame



2 VERTICAL CROSS SECTION
3

"Classic-Craft" SERIES SIDELITE PANEL
FIBERGLASS DOOR SKIN: 0.095" MIN. THK.
FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)

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

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

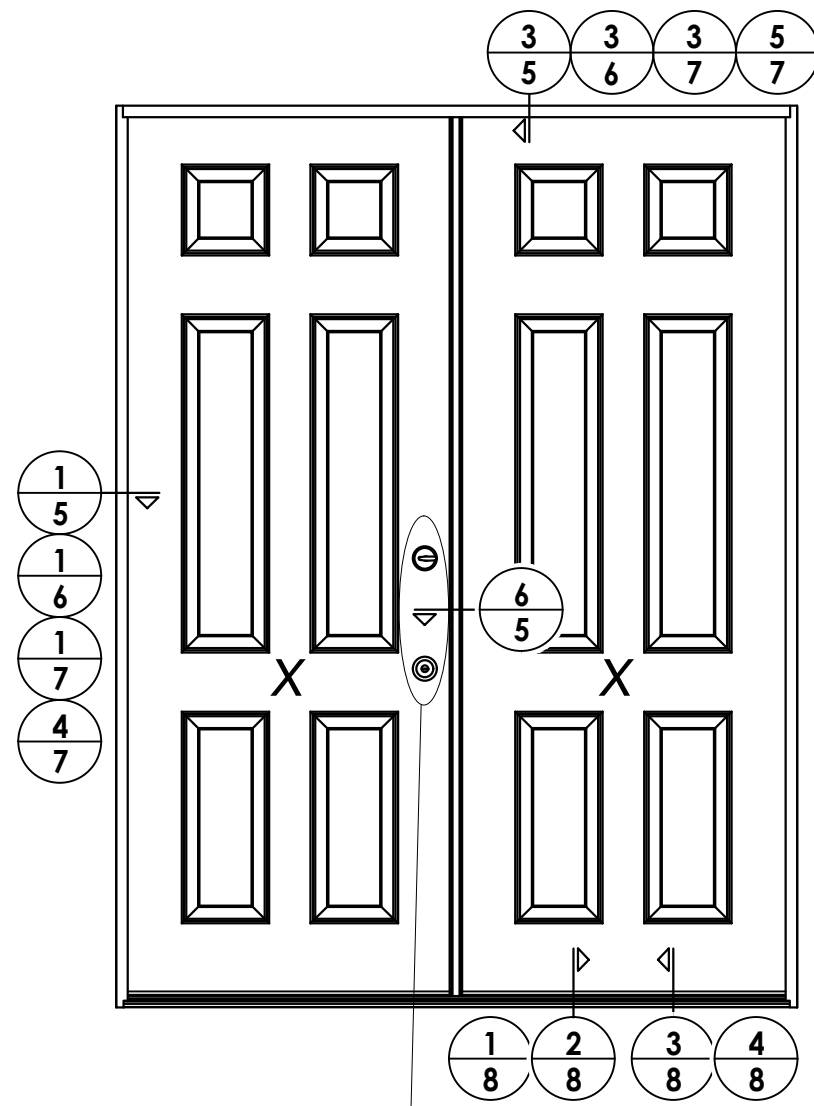
PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	7/24/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/23/20	UPDATE TO 7TH ED. (2020) FBC LFS

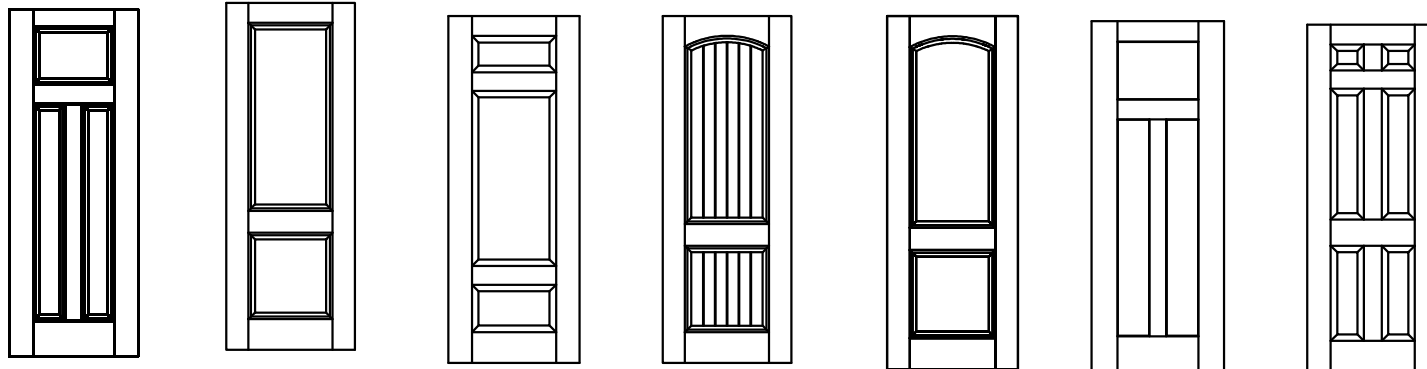
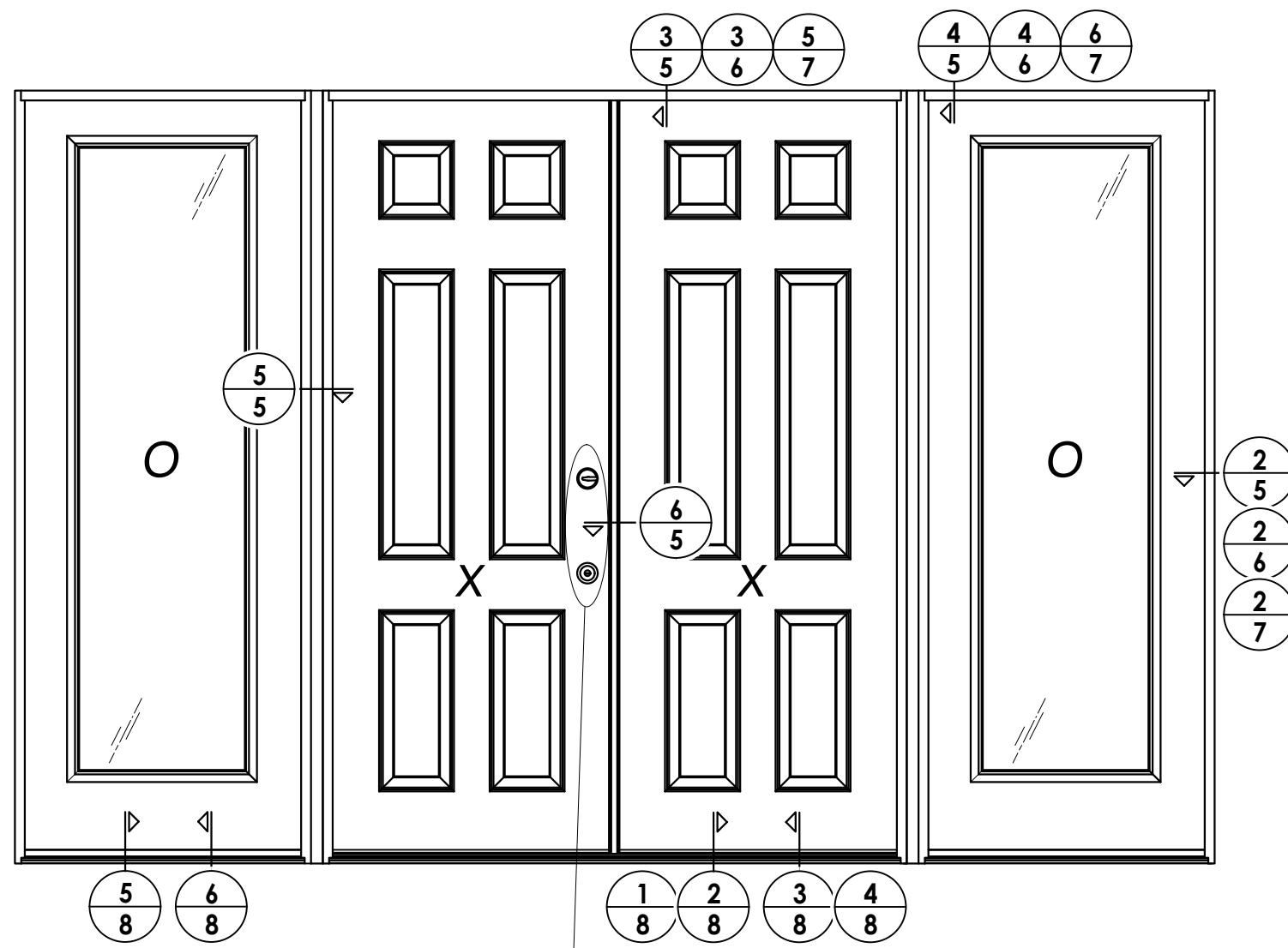
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SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-23957.6
SHEET 3 OF 13

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SEE HARDWARE CHART



Classic-Craft Door Panel Options

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

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

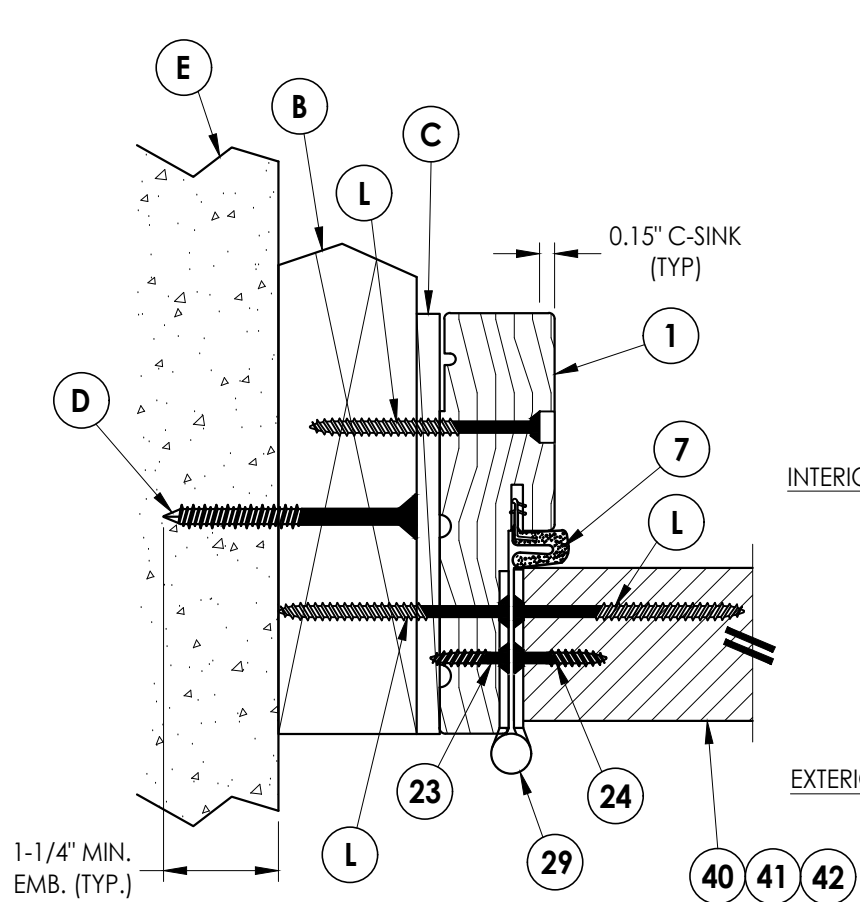
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Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

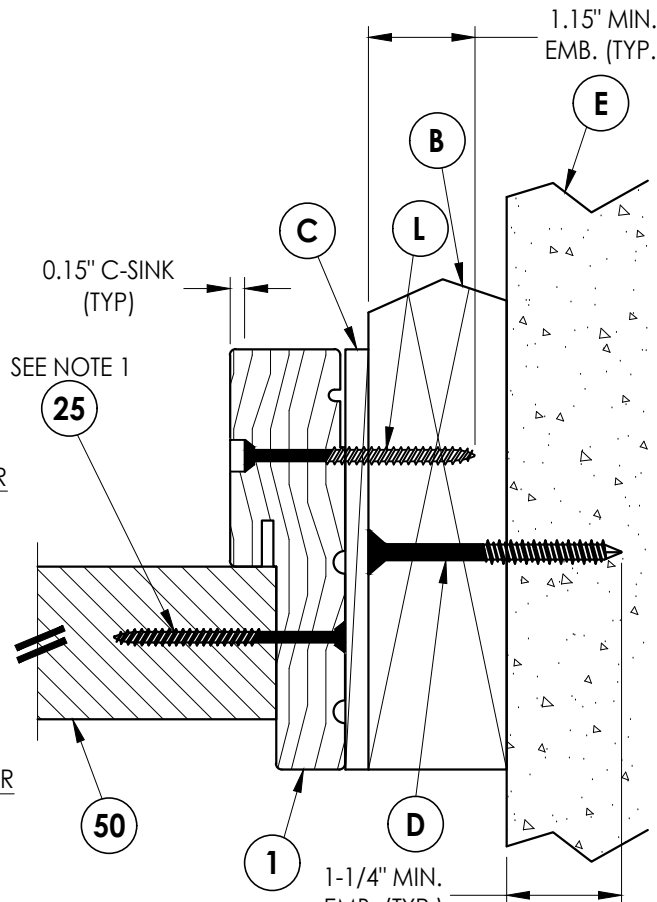
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Phone No.: 813.659.9197
FBPE Registry No. 9813

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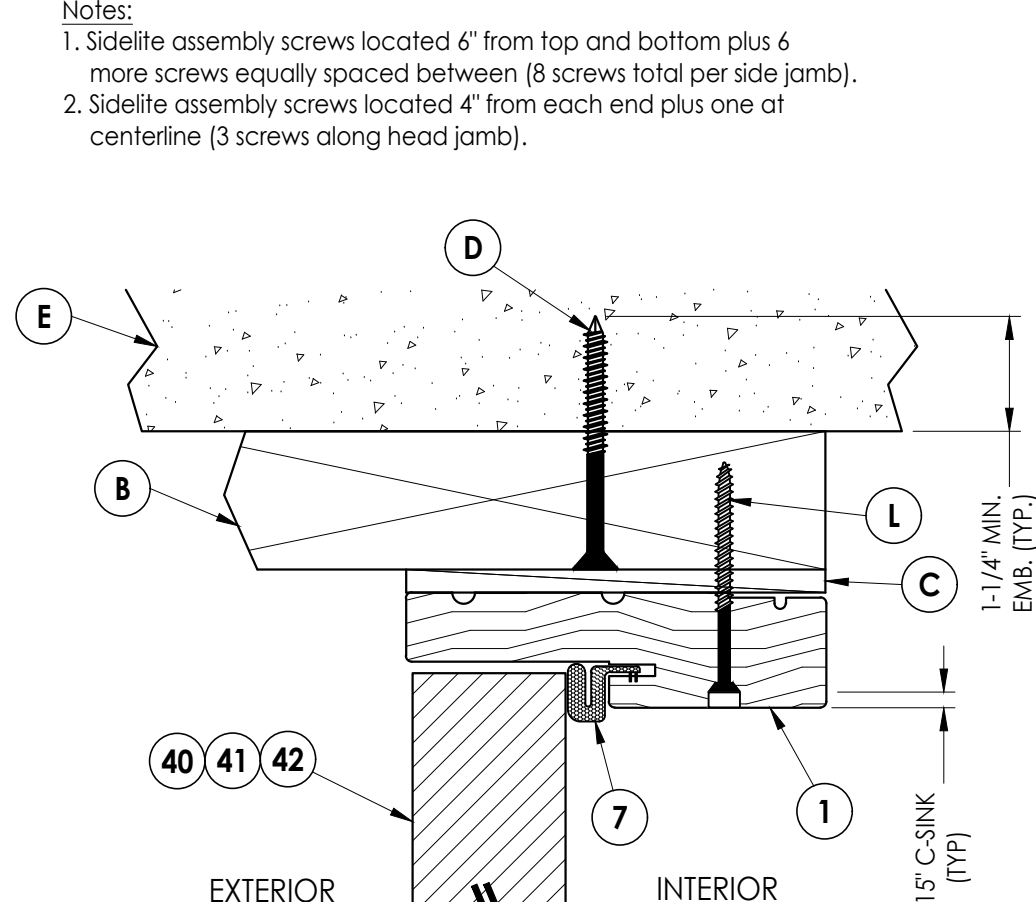
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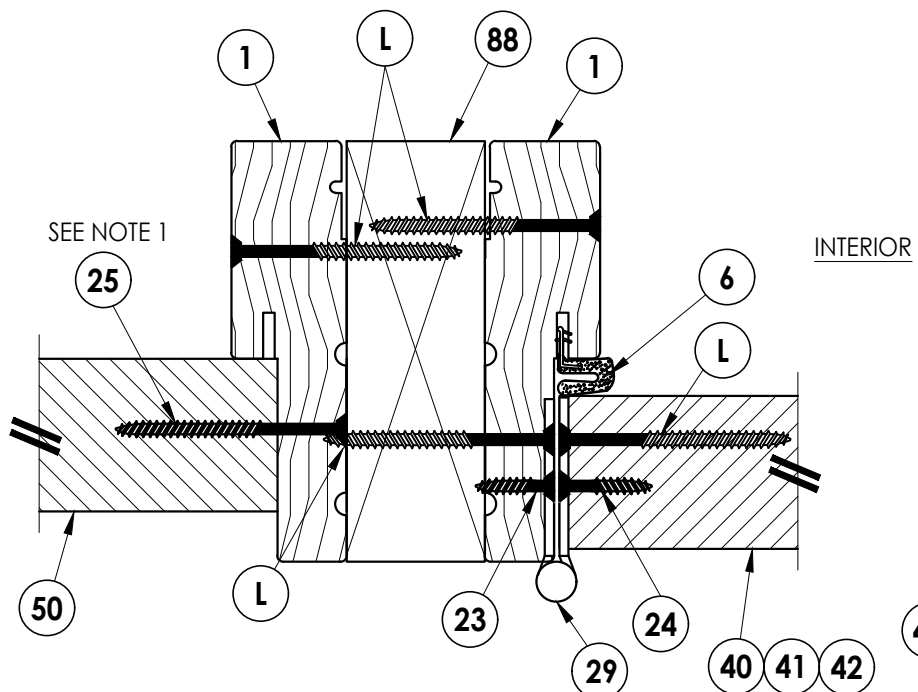
1 **HORIZONTAL CROSS SECTION**
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)



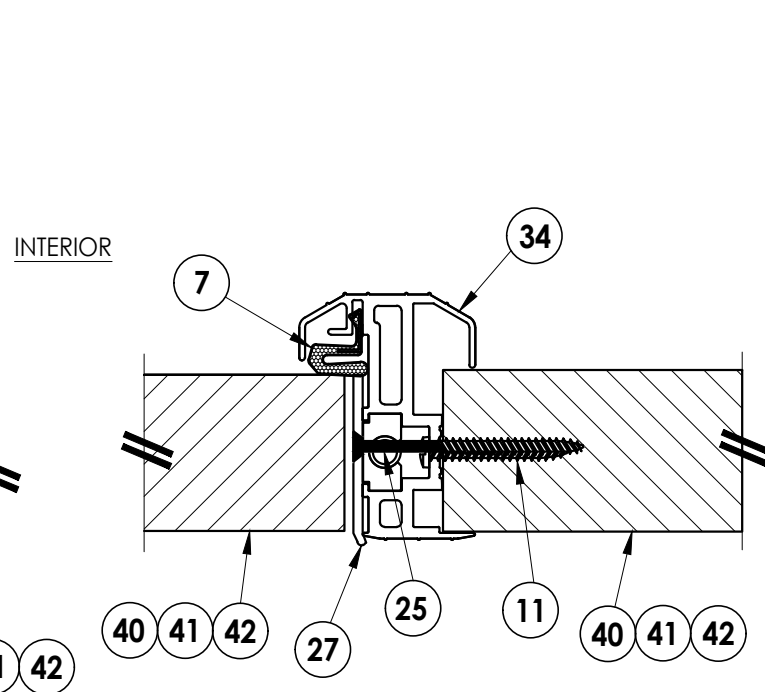
2 **HORIZONTAL CROSS SECTION**
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)



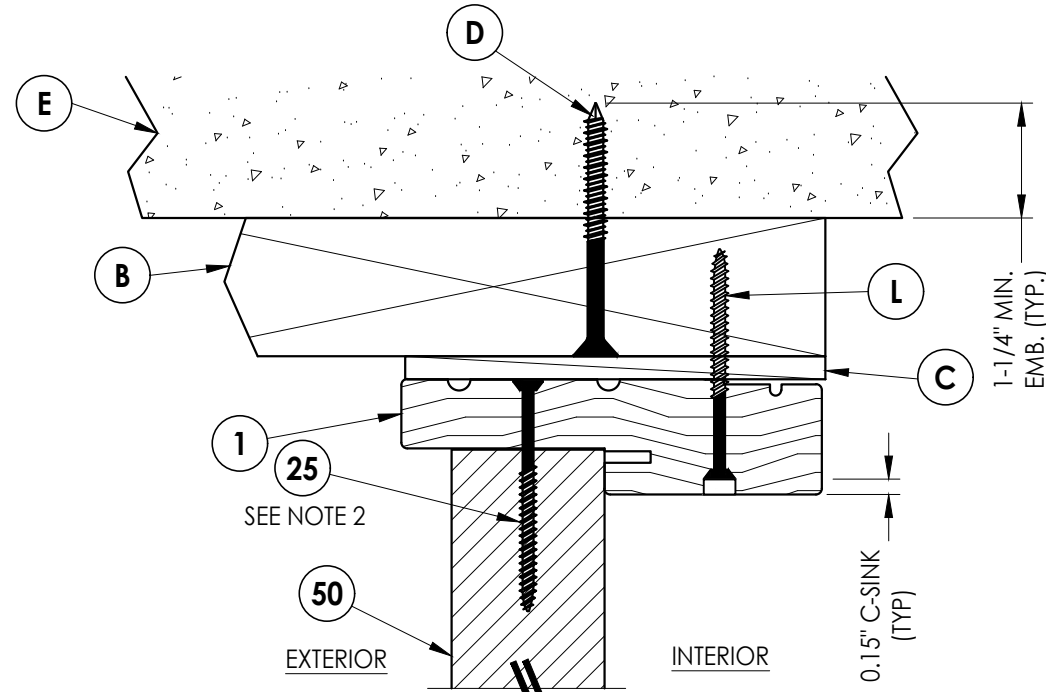
3 **VERTICAL CROSS SECTION**
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)



5 **HORIZONTAL CROSS SECTION**
5 Outswing shown (Inswing similar)



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



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

- Notes:
1. Sidelite assembly screws located 6" from top and bottom plus 6 more screws equally spaced between (8 screws total per side jamb).
 2. Sidelite assembly screws located 4" from each end plus one at centerline (3 screws along head jamb).

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

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	7/24/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC LFS

DATE: 4/21/20

SCALE: N.T.S.

DWG. BY: RW

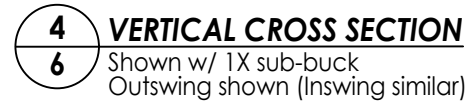
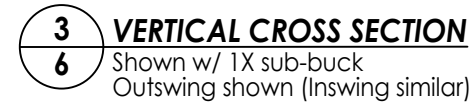
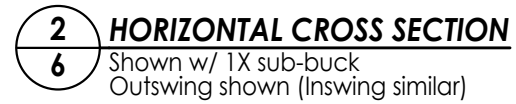
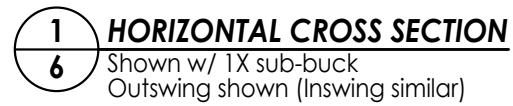
CHK. BY: LFS

DRAWING NO.:

FL-23957.6

SHEET 5 OF 13

1. Sidelite assembly screws located 6" from top and bottom plus 6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 4" from each end plus one at centerline (3 screws along head jamb).

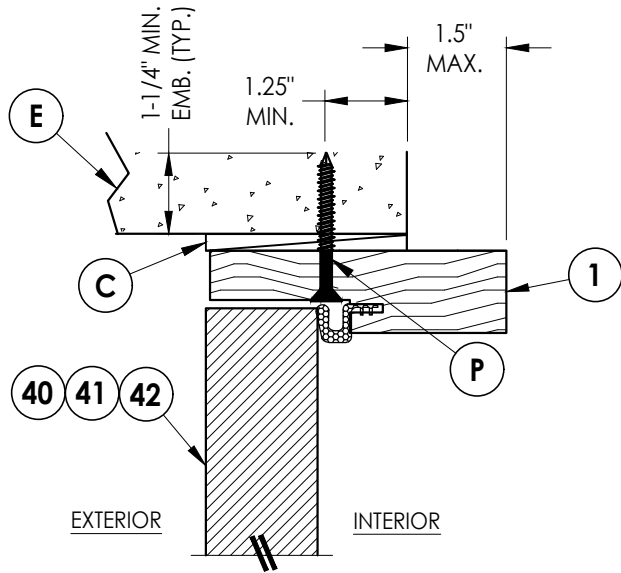


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2			7/24/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS			
1			7/23/20	UPDATE TO 7TH ED	(2020)	FBC	LFS			
NO.			DATE				BY			
							REVISIONS			
DATE: 4/21/20										
SCALE: N.T.S.										
DWG. BY: RW										
CHK. BY: LFS										
DRAWING NO.: FL-23957.6										
SHEET 6 OF 13										

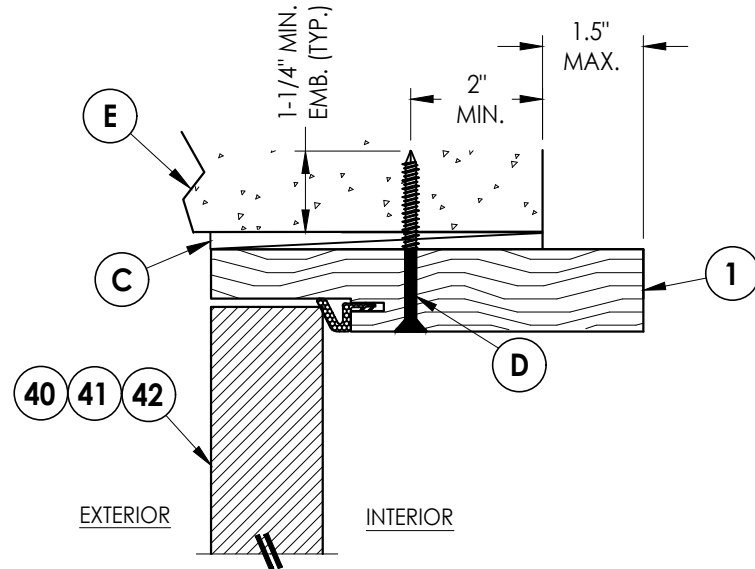
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

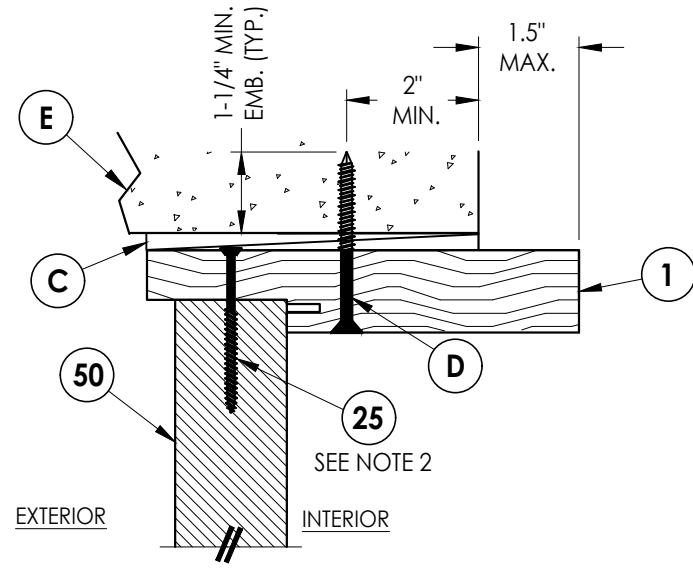
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3
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb
Double Door Only (N/A w/ Sidelites)



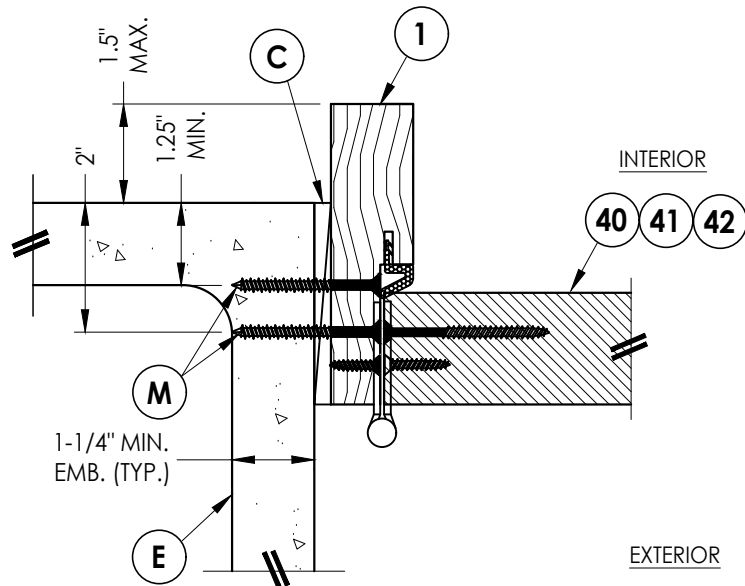
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7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



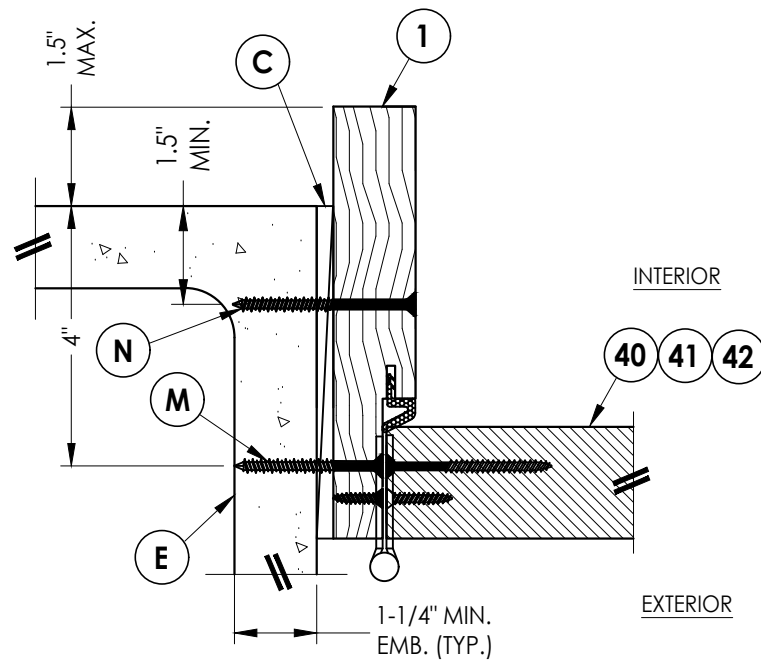
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7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

Notes:

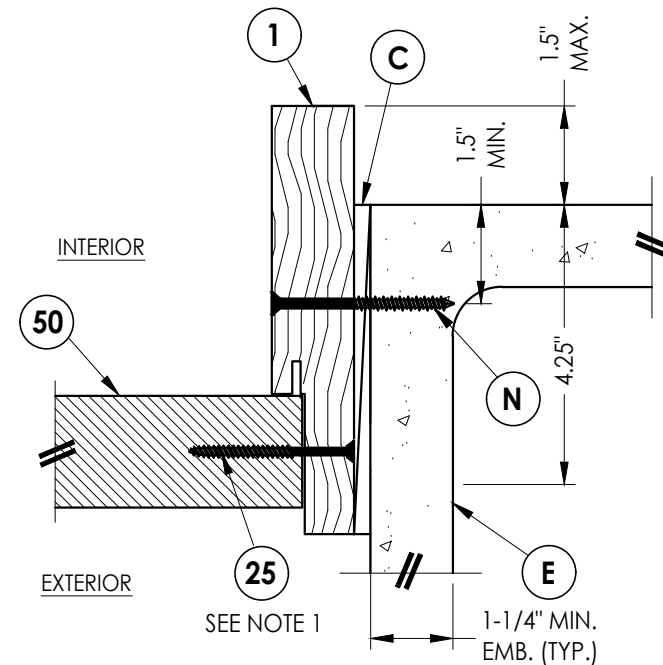
1. Sidelite assembly screws located 6" from top and bottom plus 6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 4" from each end plus one at centerline (3 screws along head jamb).



1
7 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb
Double Door Only (N/A w/ Sidelites)



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



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

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

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

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

NO.	DATE	REVISIONS	BY
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
2	7/24/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	7/23/20	UPDATE TO 7TH ED. (2020) FBC	LFS

DATE: 4/21/20

SCALE: N.T.S.

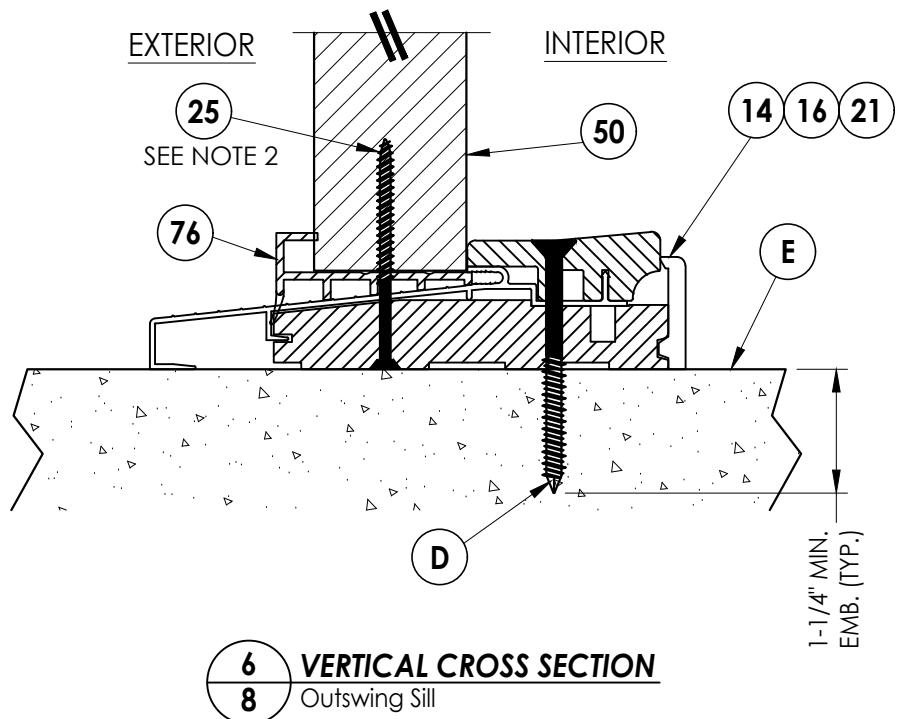
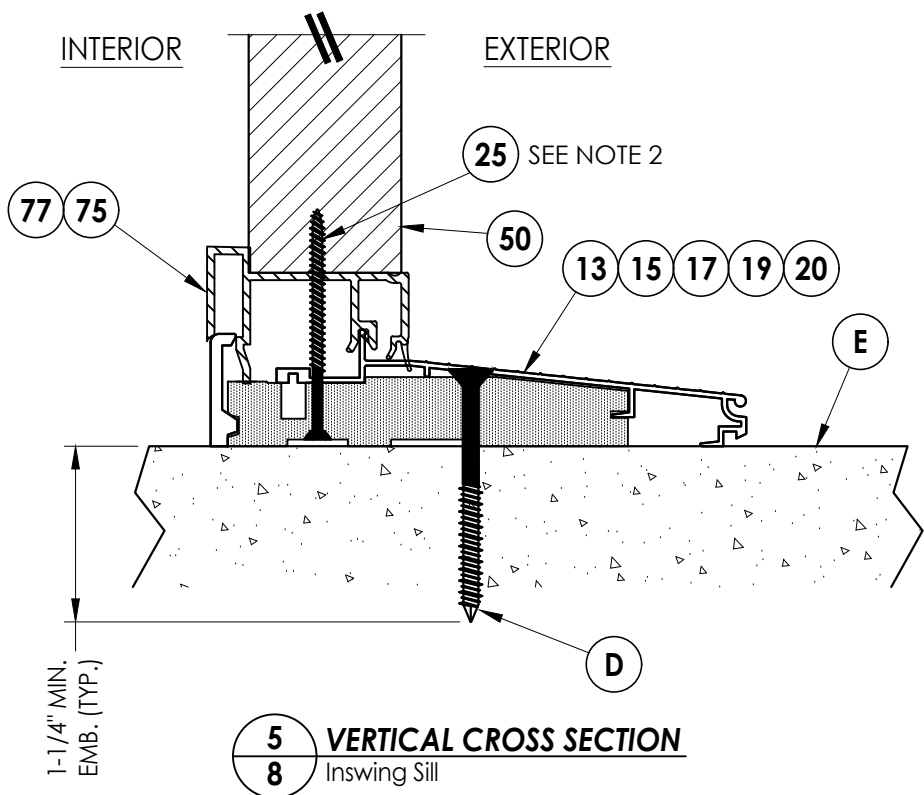
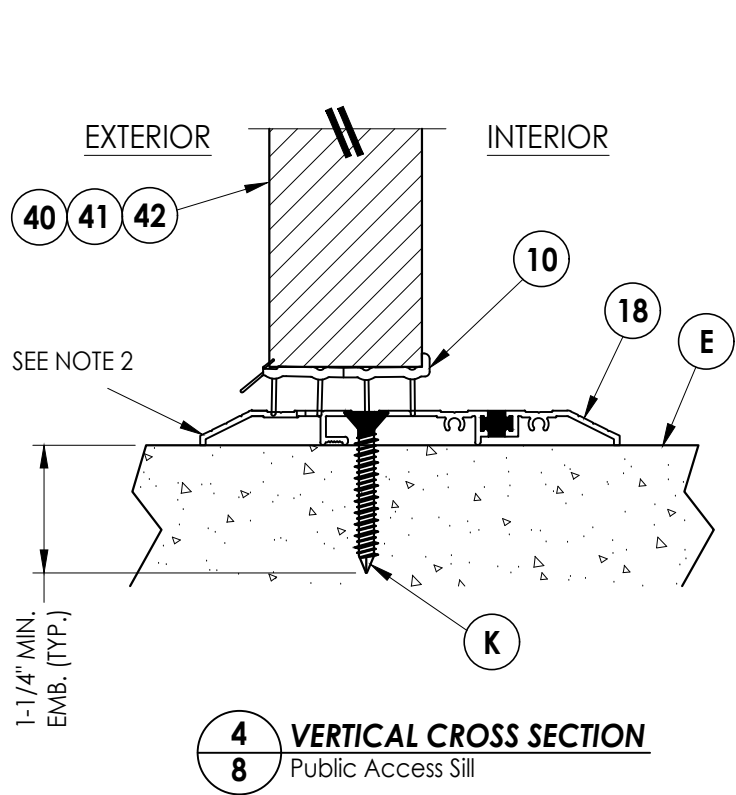
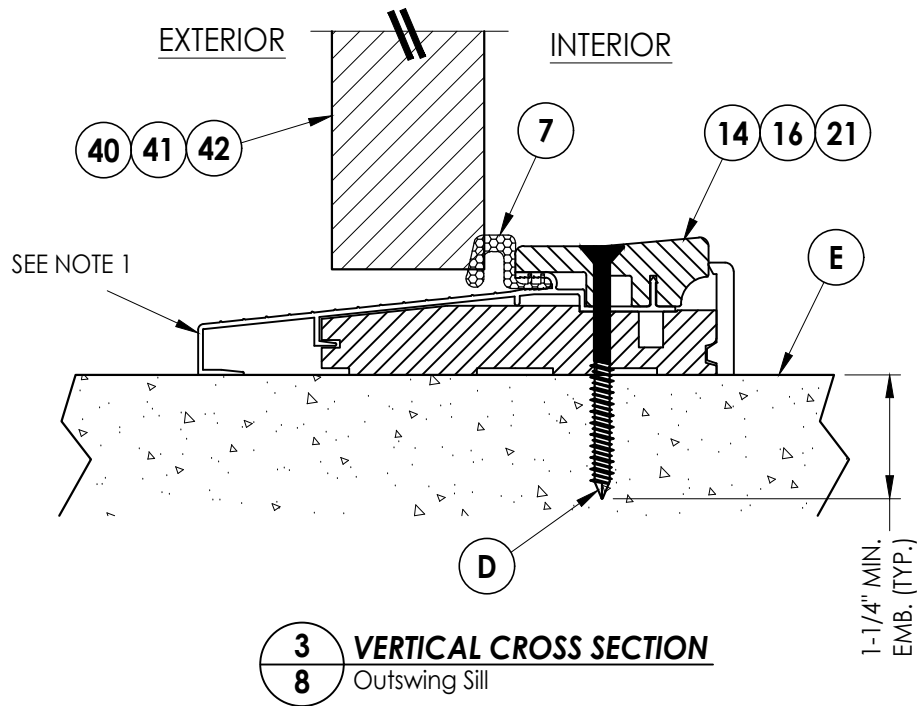
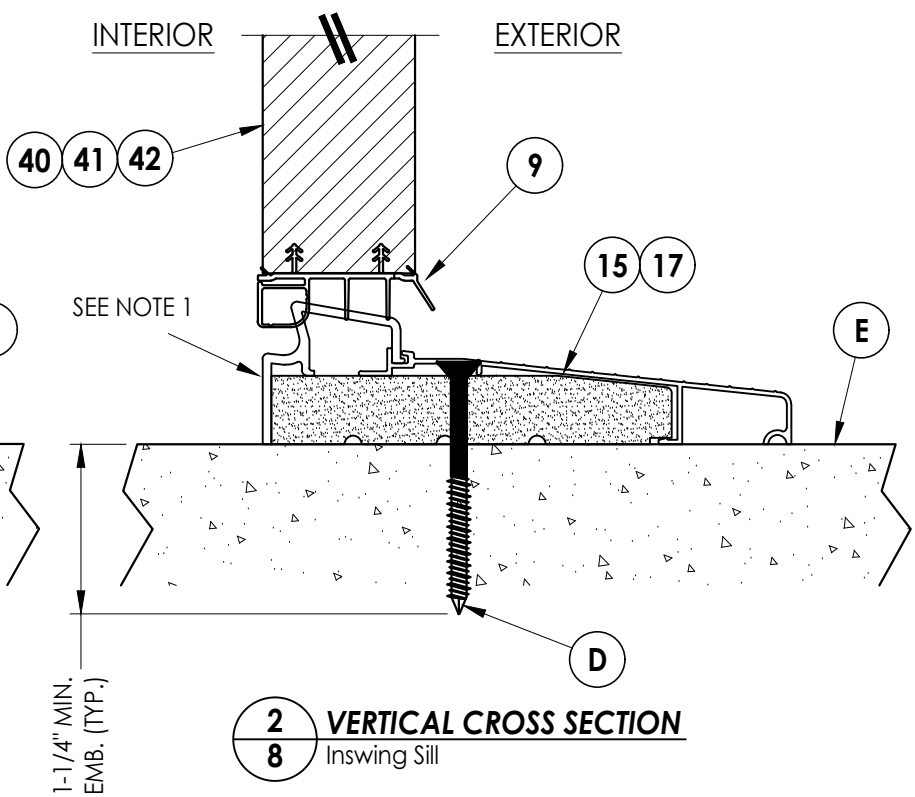
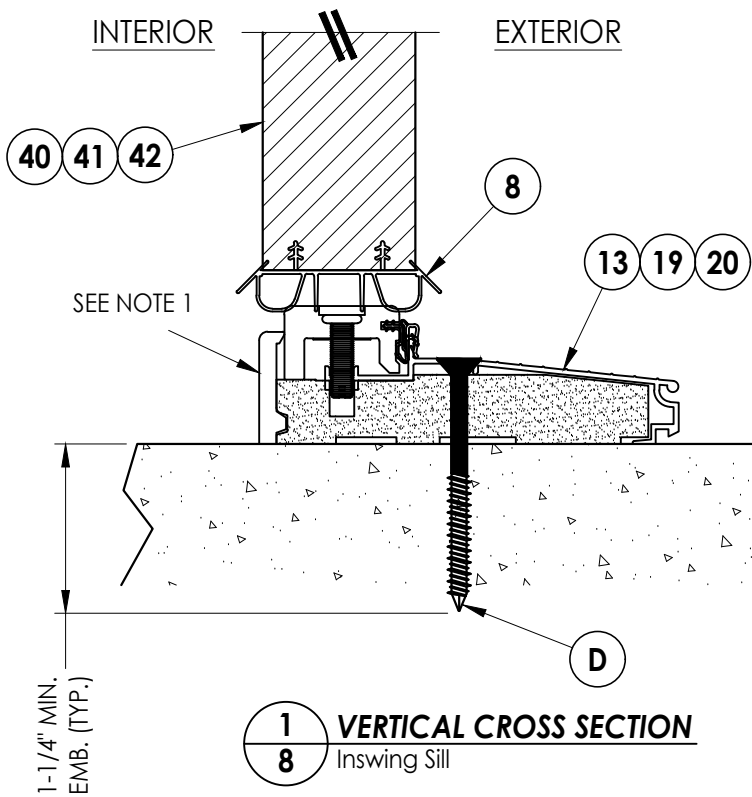
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-23957.6

SHEET 7 OF 13

- Notes:
- 1. Sill Item #'s 13, 16, 17, 19 & 20 are attached to jambs w/ (3) #8 X 2-1/2" pfh screws at each end.
Sill Item #'s 14, 15 & 21 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
Sill Item #18 is attached to jambs utilizing (2) #10 X 1-1/2" pph screws at each end.
 - 2. Sidelite assembly screws located 4" from each end plus one at centerline (3 screws total along sill).



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

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS			
		BY	LFS	FBC	LFS
3	7/01/26	UPDATE TO 9TH ED. (2026)	FBC		
2	7/24/23	UPDATE TO 8TH ED. (2023)	FBC		
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC		

DATE: 4/21/20
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CHK. BY: LFS
DRAWING NO.: FL-23957.6
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OXXO

2X BUCK ANCHORING

3	7/01/26	UPDATE TO 9TH ED.	(2026)	FBC	LFS
2	7/24/23	UPDATE TO 8TH ED.	(2023)	FBC	LFS
1	7/23/20	UPDATE TO 7TH ED	(2020)	FBC	LFS
NO.	DATE				BY
					REVISIONS

SHEET 9 OF 13

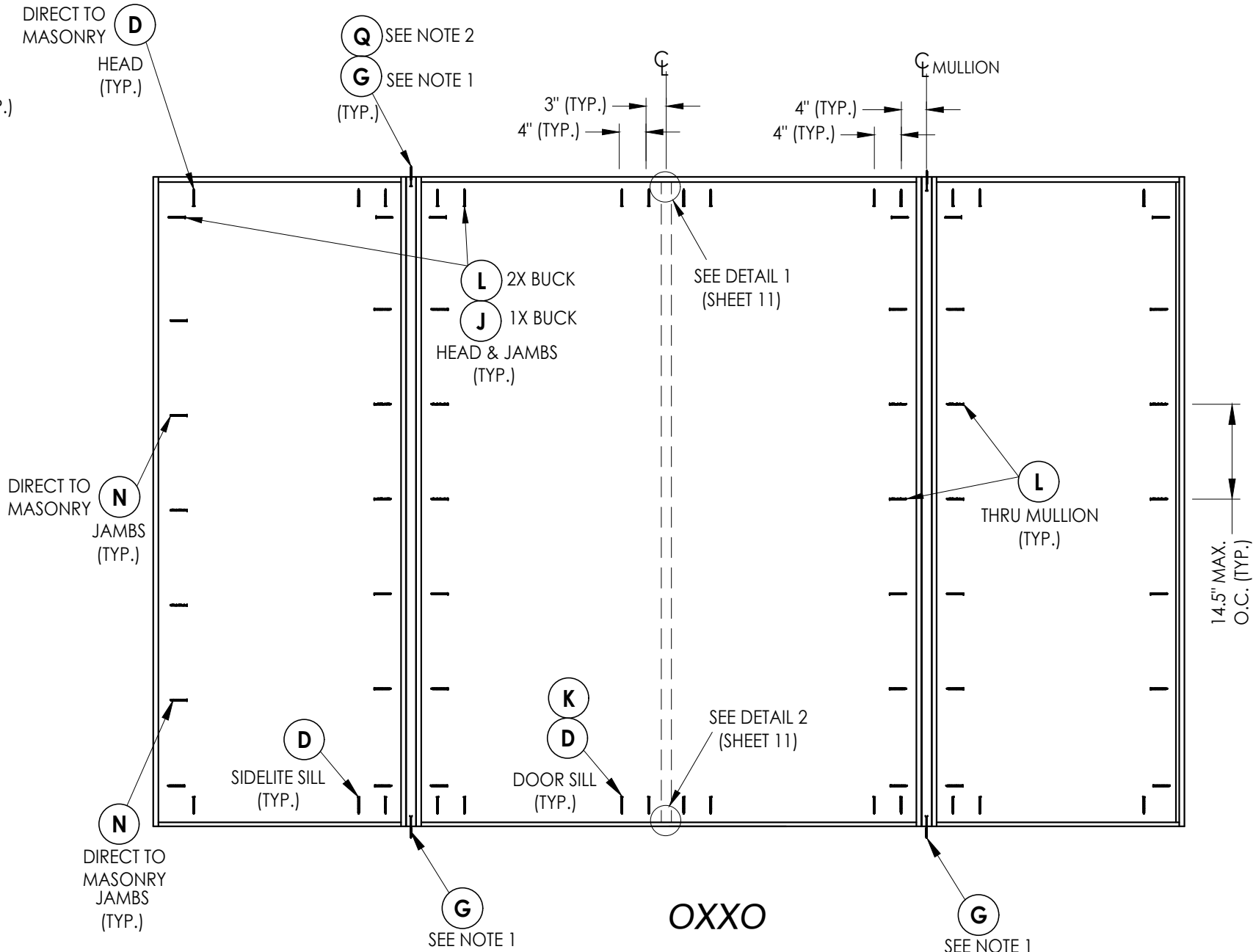
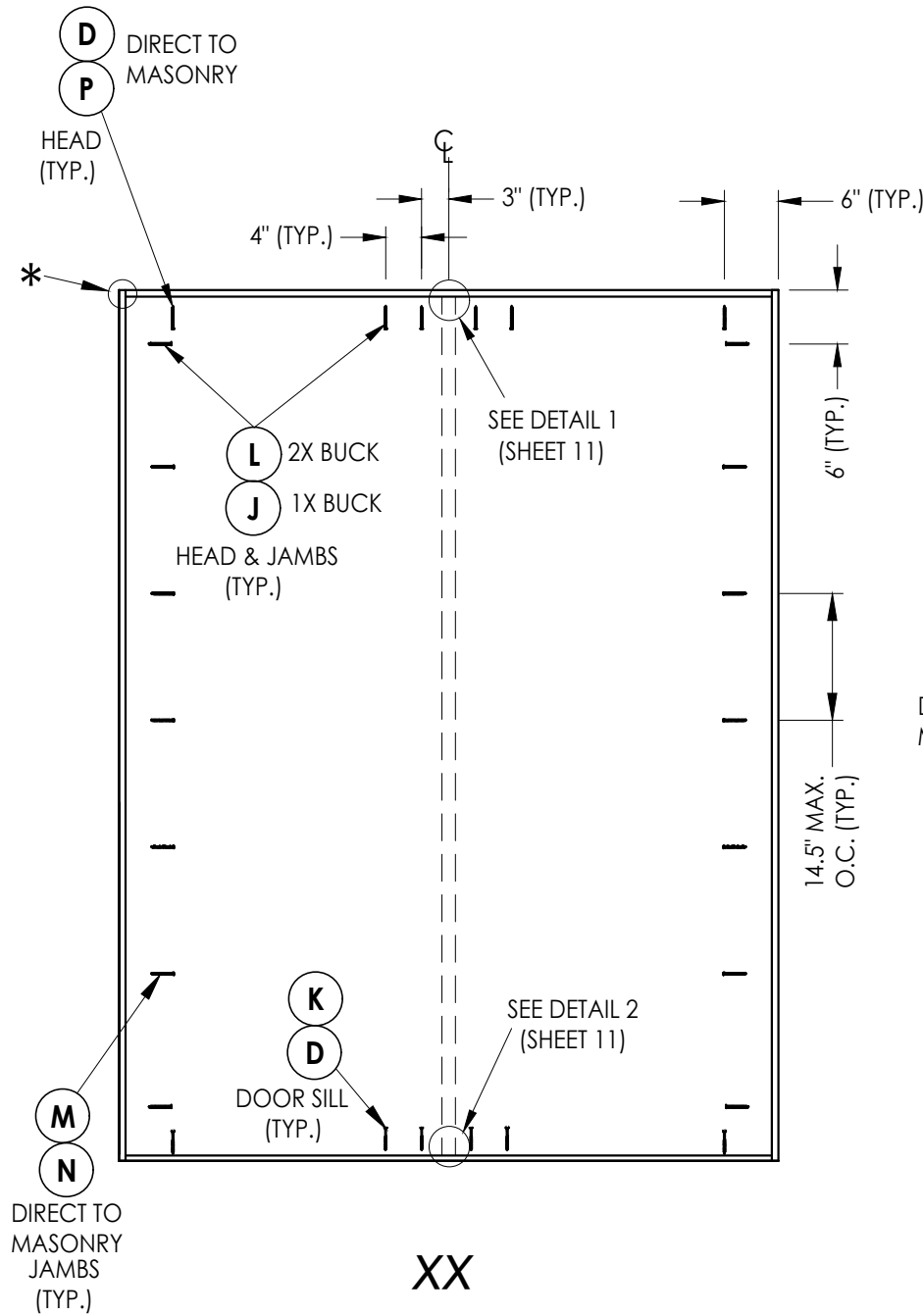
BUCK ANCHORING

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FBPE Registry No. 9813

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* NOTE: FRAME CORNERS @ HEAD ATTACHED TOGETHER w/ (3) #8 X 2-1/2" PFH WS (TYP.)

- 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) AT HEAD.



FRAME ANCHORING

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:
FRAME ANCHORING

NO.	DATE	REVISIONS
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC LFS
2	7/24/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC LFS

DATE: 4/21/20

SCALE: N.T.S.

DWG. BY: RW

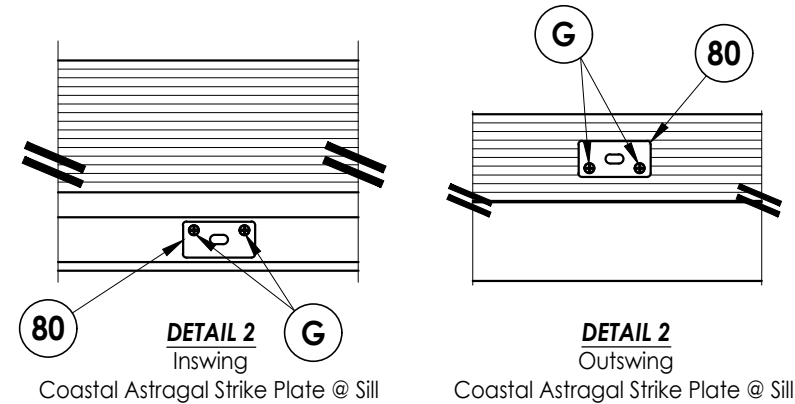
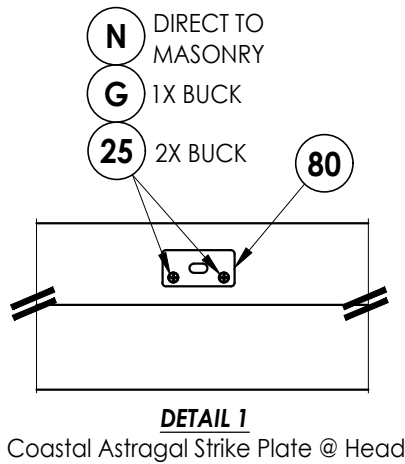
CHK. BY: LFS

DRAWING NO.:

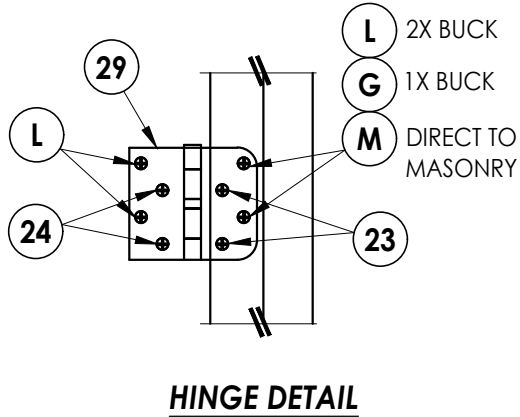
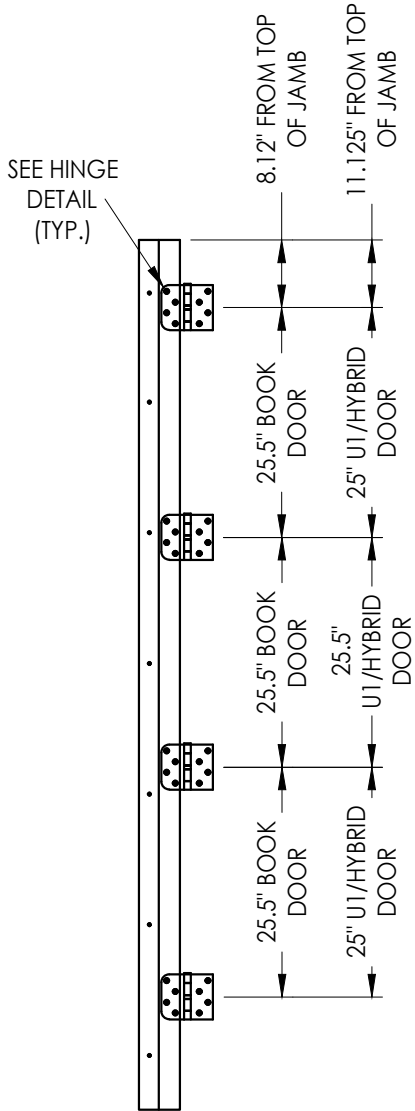
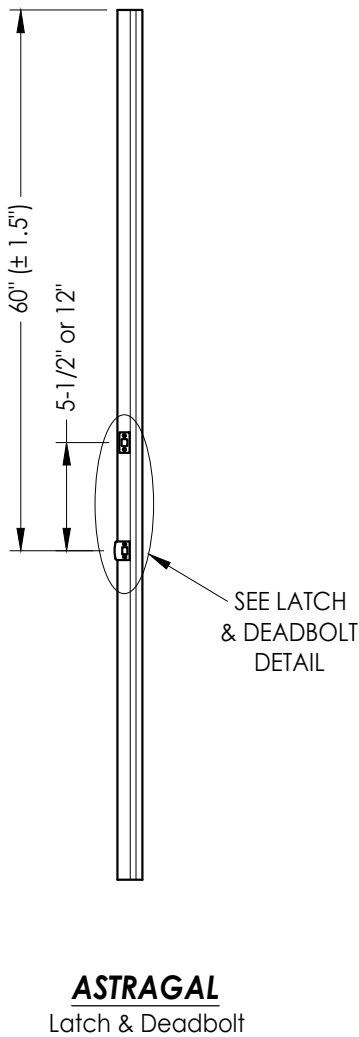
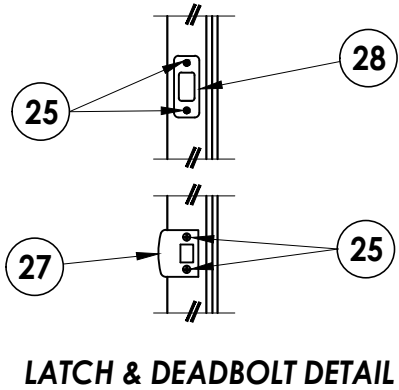
FL-23957.6

SHEET 10 OF 13

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LATCH & DEADBOLT STRIKE DETAILS



DATE: 04/21/20

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SHEET 11 OF 13

PRODUCT:

THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

HARDWARE DETAILS

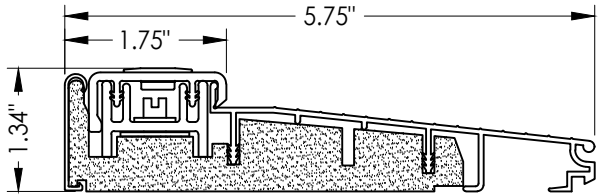
Documents Prepared By:

Lyndon F. Schmidt
P.E. No. 43409

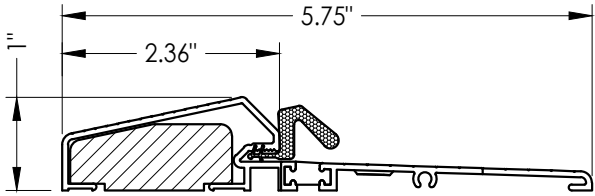
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FBPE Registry No. 9813

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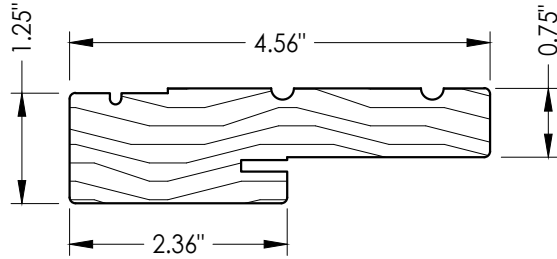
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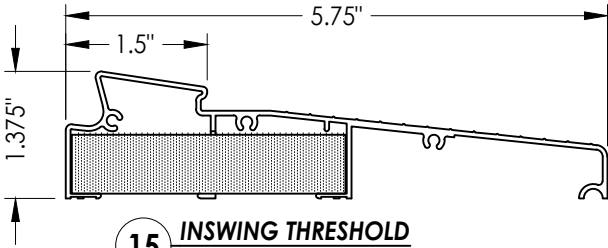
13 INSWING THRESHOLD
Adjustable



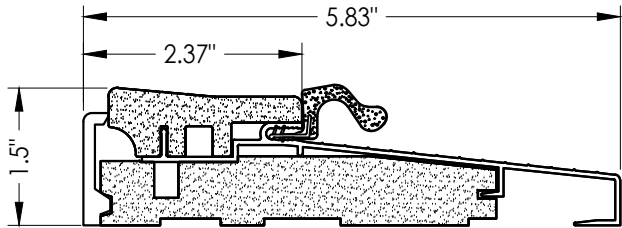
14 OUTSWING THRESHOLD



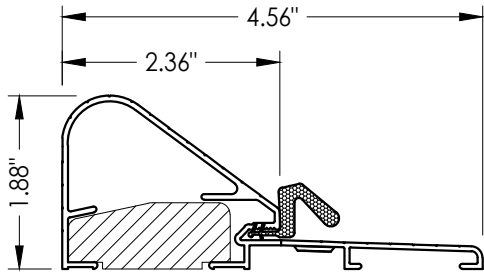
1 WOOD JAMB



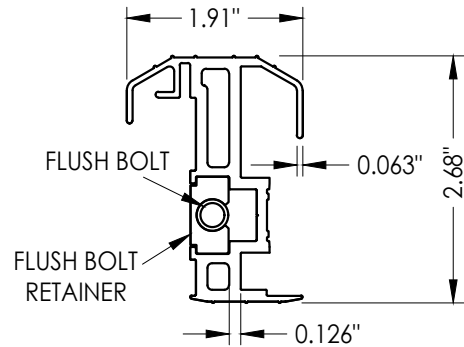
15 INSWING THRESHOLD
Moderate Climate



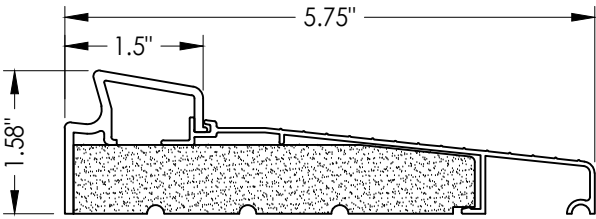
16 OUTSWING THRESHOLD



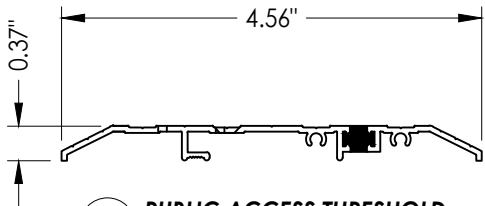
21 OUTSWING THRESHOLD
Coastal



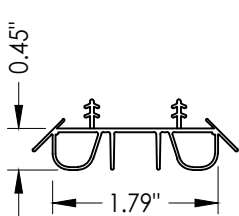
34 COASTAL ALUMINUM ASTRAGAL



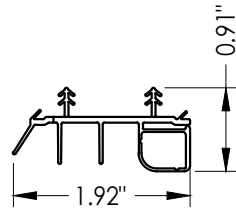
17 INSWING THRESHOLD
Basic Fixed



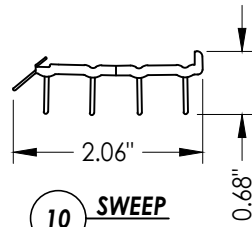
18 PUBLIC ACCESS THRESHOLD



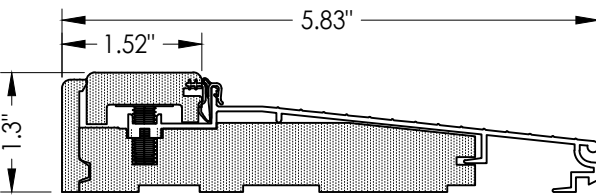
8 SWEEP



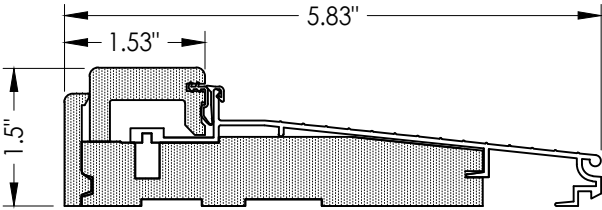
9 SWEEP



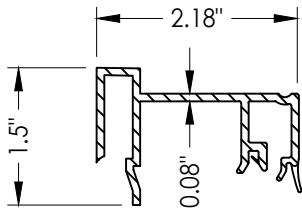
10 SWEEP



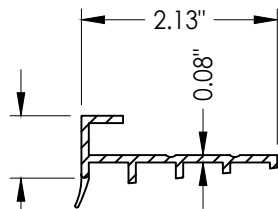
19 INSWING THRESHOLD
Adjustable



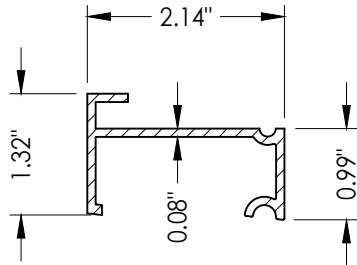
20 INSWING THRESHOLD
Adjustable



75 SIDELITE SPACER
Inswing



76 SIDELITE SPACER
Outswing



77 INSWING SIDELITE
Adapter
Moderate Climate Sill

Documents Prepared By:
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P.E. No. 43409

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

COMPONENTS

NO.	DATE	REVISIONS	BY
3	7/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS
2	7/24/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	7/23/20	UPDATE TO 7TH ED (2020) FBC	LFS

DATE: 4/21/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-23957.6

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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" PFH ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
K	1/4" X 1-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMBEDMENT)	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
Q	#10 X 3" PFH WOOD SCREW	STEEL
1	JAMB (FINGER JOINT PINE)	WOOD
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
9	SWEEP (USE w/ MODERATE CLIMATE THRESHOLD)	VINYL
10	SWEEP (USE w/ PUBLIC ACCESS THRESHOLD)	VINYL
13	INSWING THRESHOLD	ALUM/COMP
14	OUTSWING THRESHOLD	ALUM/COMP
15	INSWING THRESHOLD	ALUM/COMP
16	OUTSWING THRESHOLD	ALUM/COMP
17	INSWING THRESHOLD	ALUM/COMP
18	PUBLIC ACCESS THRESHOLD	ALUM
19	INSWING THRESHOLD	ALUM/COMP
20	INSWING THRESHOLD	ALUM/COMP
21	OUTSWING COASTAL THRESHOLD	ALUM/WOOD
23	#10 X 3/4" PFH WOOD SCREW	STEEL
24	#10 X 1" PFH WOOD SCREW	STEEL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	LATCH STRIKE PLATE	STEEL
28	DEADBOLT STRIKE PLATE	STEEL
29	4" X 4" HINGE	STEEL
34	COASTAL ALUMINUM ASTRAGAL	ALUM
40	DOOR PANEL (BOOK DOOR)	-
41	DOOR PANEL (HYBRID DOOR)	-
42	DOOR PANEL (U1 DOOR)	-
50	14" SIDELITE PANEL	-
75	SIDELITE SPACER (INSWING)	PVC
76	SIDELITE SPACER (OUTSWING)	PVC
77	SIDELITE SPACER (INSWING) - Moderate Climate Sill	PVC
80	COASTAL ASTRAGAL STRIKE PLATE	STEEL
88	2X REINFORCEMENT (SG >= 0.55)	WOOD

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:
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FBPE Registry No. 9813

PRODUCT:

THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:

BILL OF MATERIALS

REVISIONS

DATE: 4/21/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:
FL-23957.6

SHEET 13 OF 13