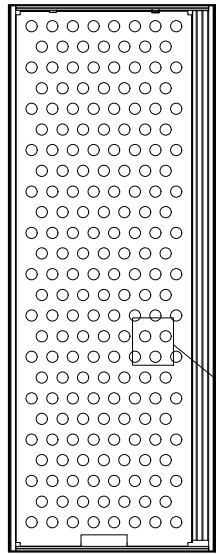
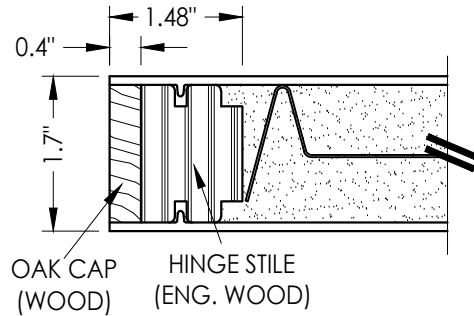
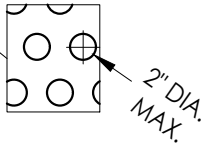


Z:\2023 FBC Drawings\Therma-Tru\FL-23957 R3\FL-23957.4-6.dwg

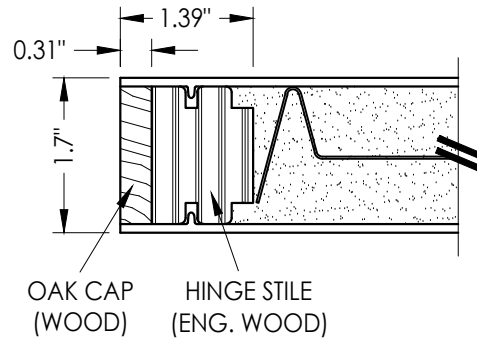
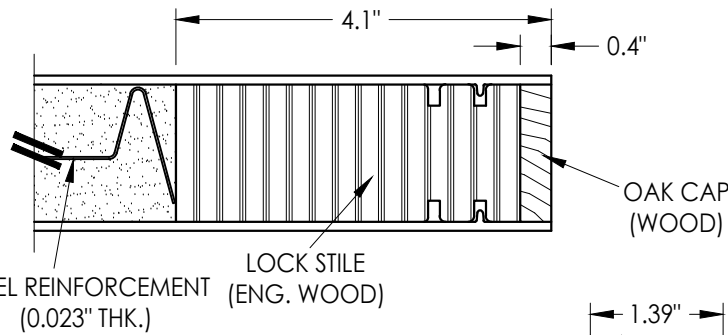


DOOR PANEL SECTION
PANEL REINFORCEMENT
(0.023\"/>

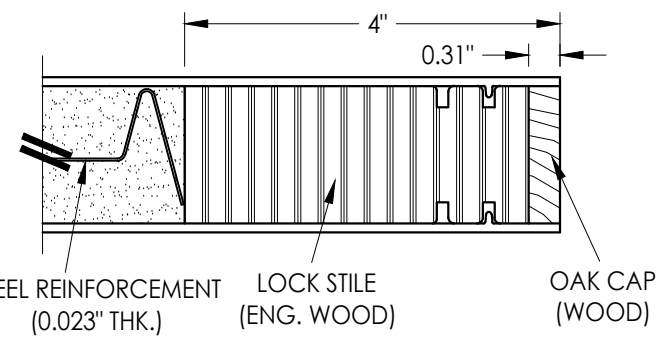
STEEL REINFORCEMENT
28.86% OPEN
AREA MAX.



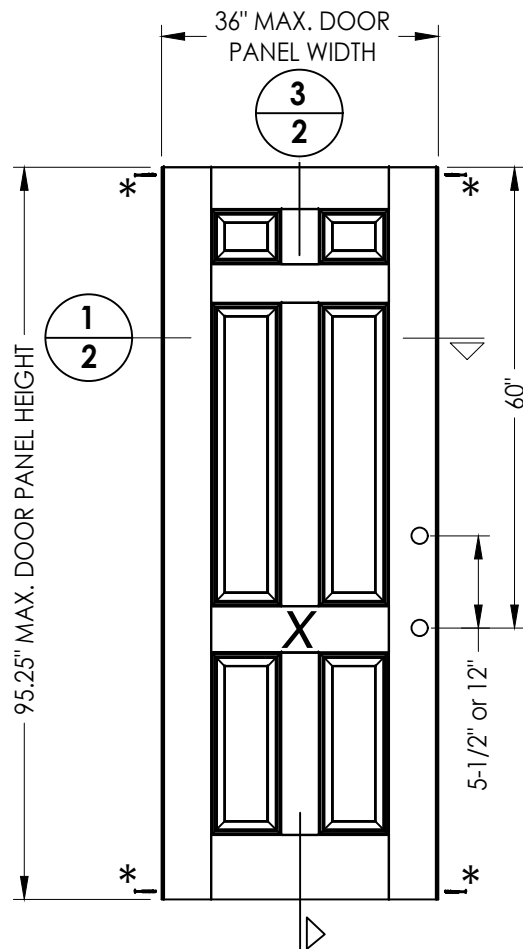
1
2 **HORIZONTAL CROSS SECTION**



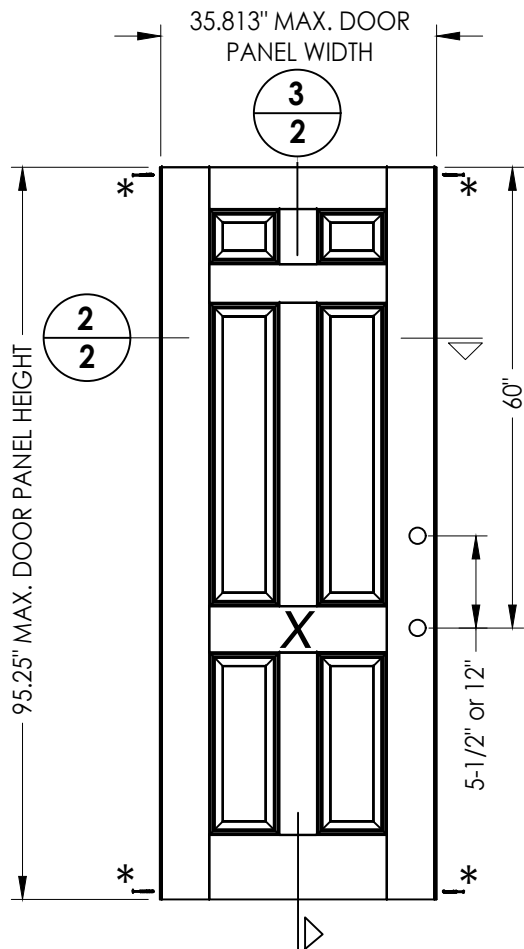
2
2 **HORIZONTAL CROSS SECTION**



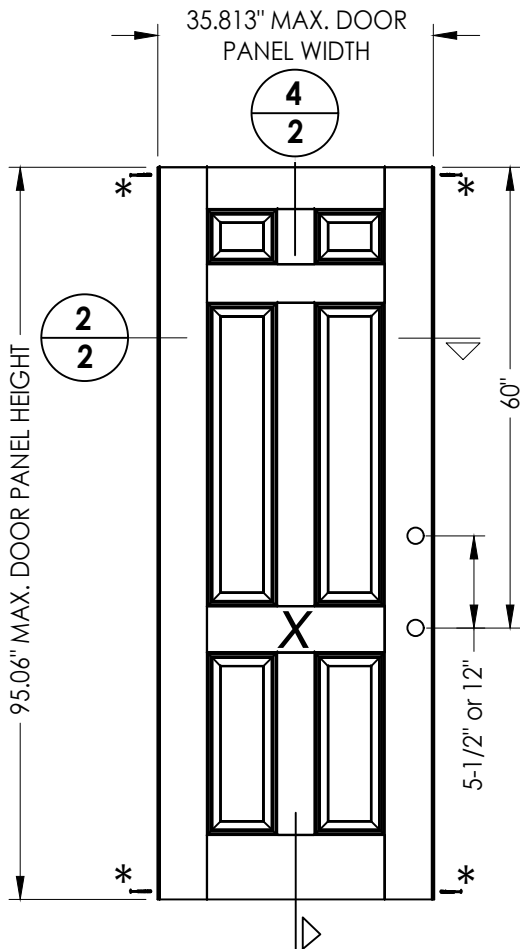
* #8 X 2.5\"/>



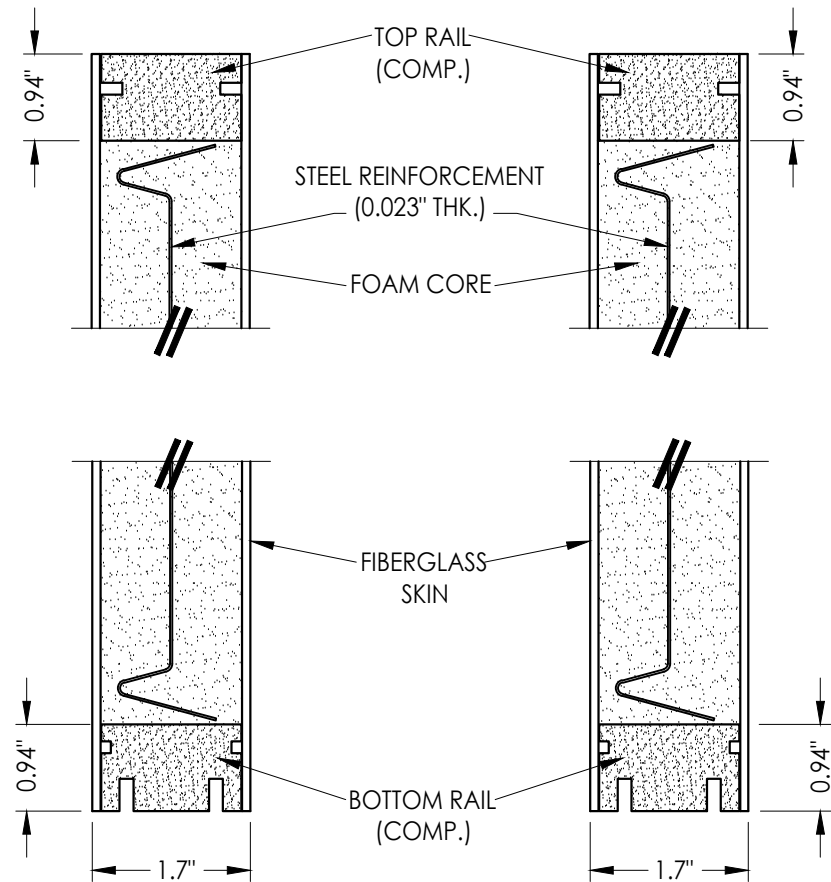
40 **DOOR PANEL**
BOOK



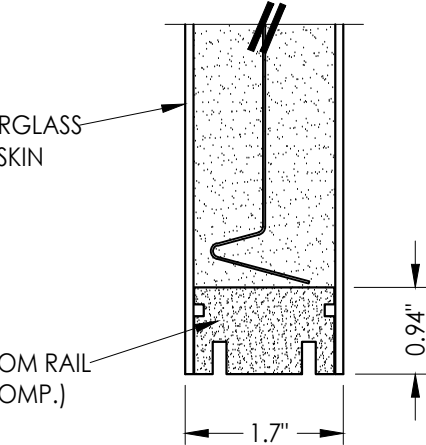
41 **DOOR PANEL**
Hybrid Door



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\"/>

FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)

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:
DOOR PANEL DETAILS

REVISIONS		DATE	BY
2	7/24/23	UPDATE TO 8TH ED. (2023)	FBC
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC
NO.	DATE		

DATE: 4/21/20

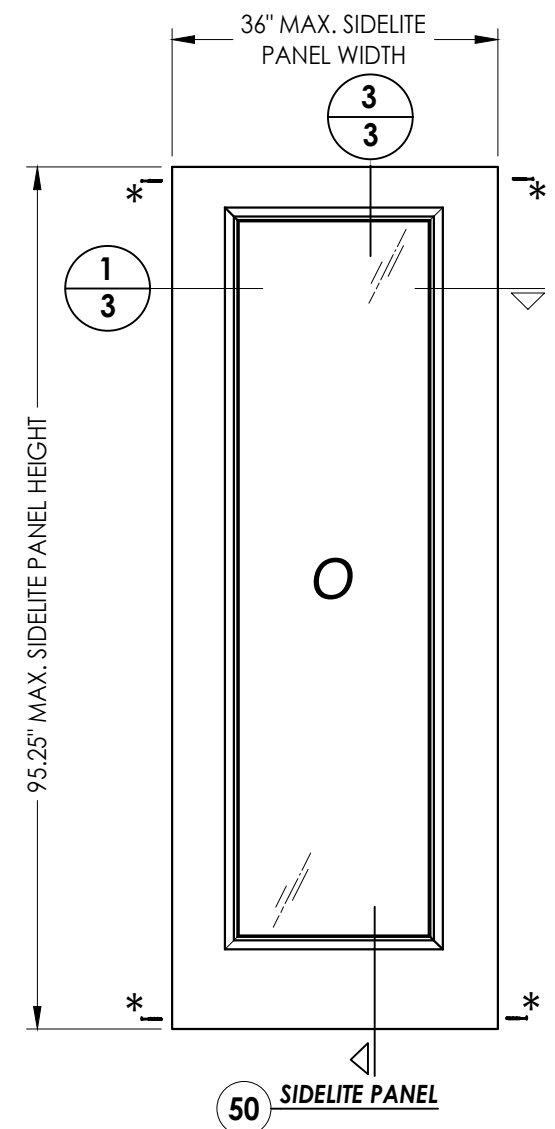
SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

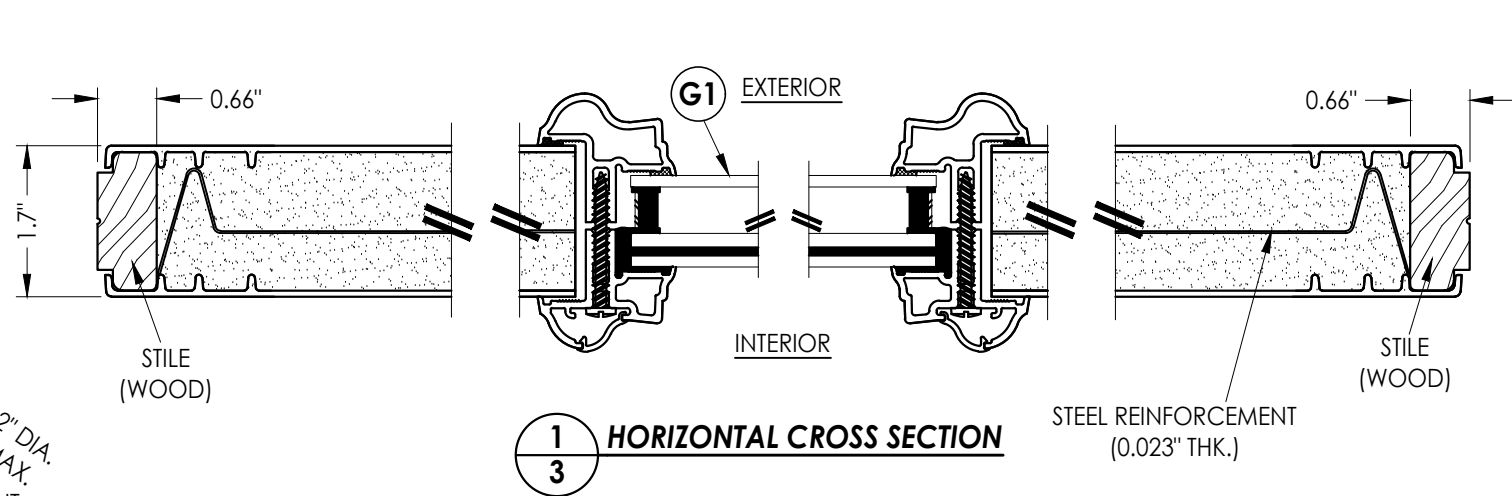
DRAWING NO.: FL-23957.5

SHEET 2 OF 12

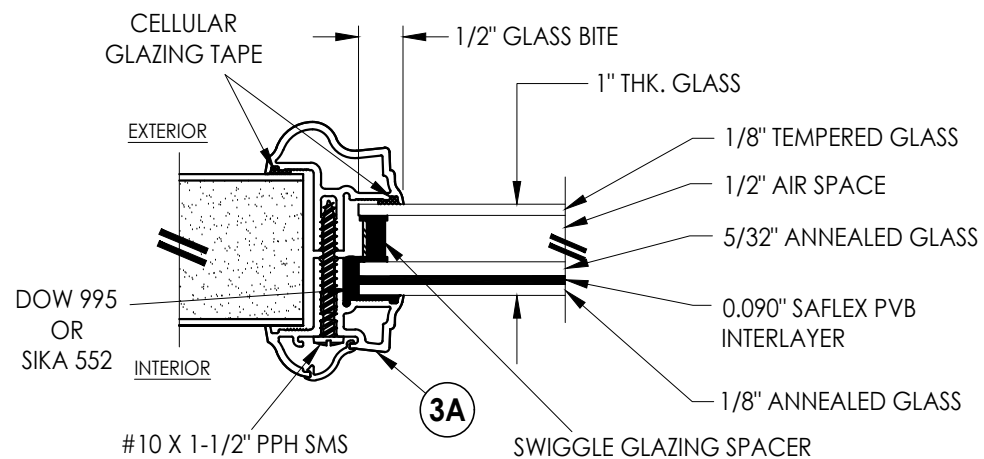


"Classic-Craft" SERIES SIDELITE PANEL

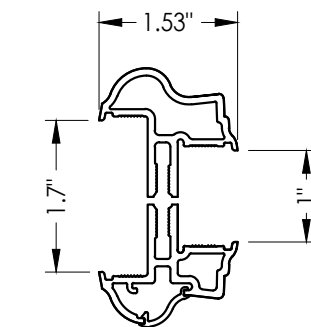
FIBERGLASS DOOR SKIN: 0.095" MIN. THK.
FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)



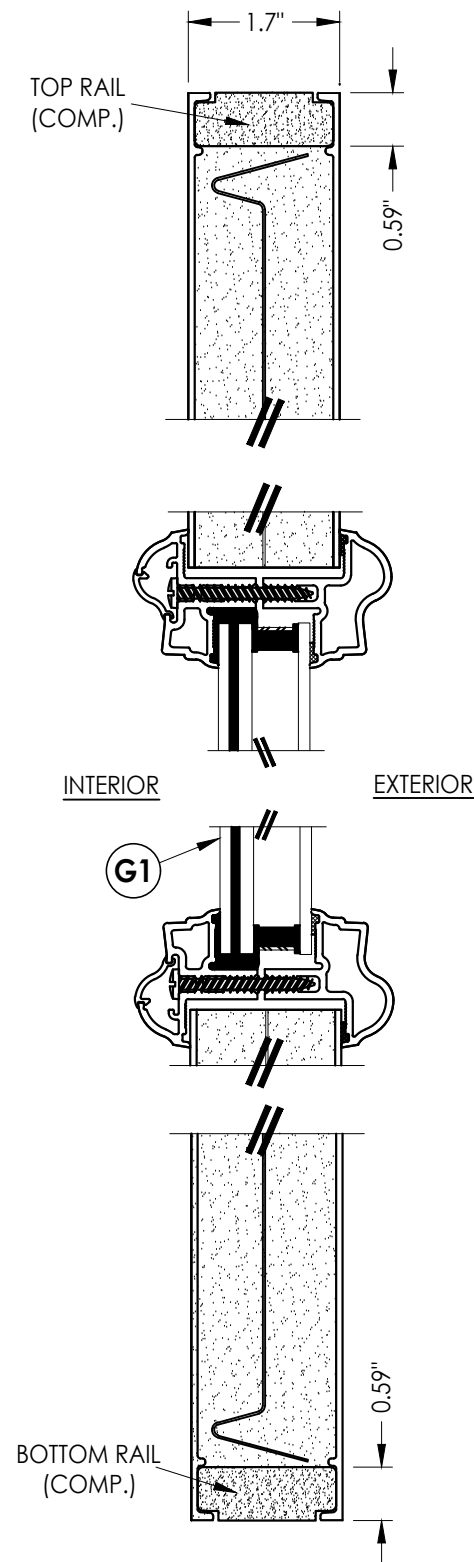
1 HORIZONTAL CROSS SECTION



G1 GLAZING DETAIL
Aluminum Impact Lite Frame
Door Panels & Sidelites



3A **ALUMINUM FRAME**
Aluminum Impact Lite Frame



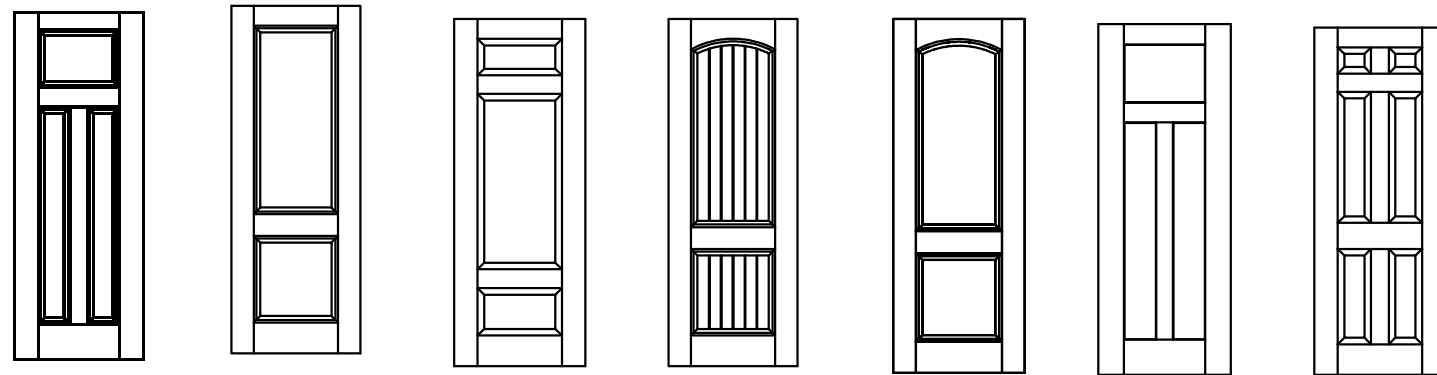
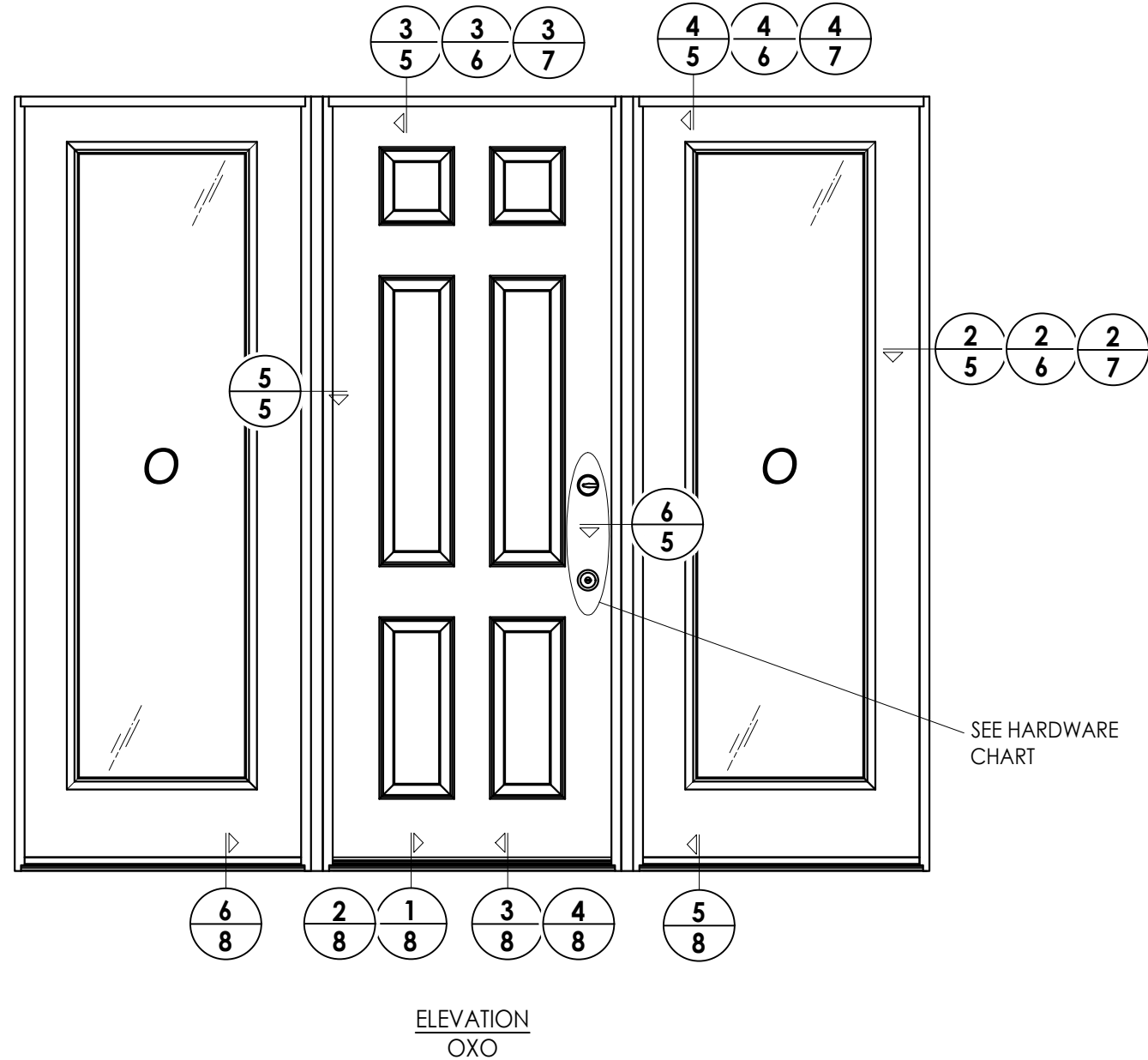
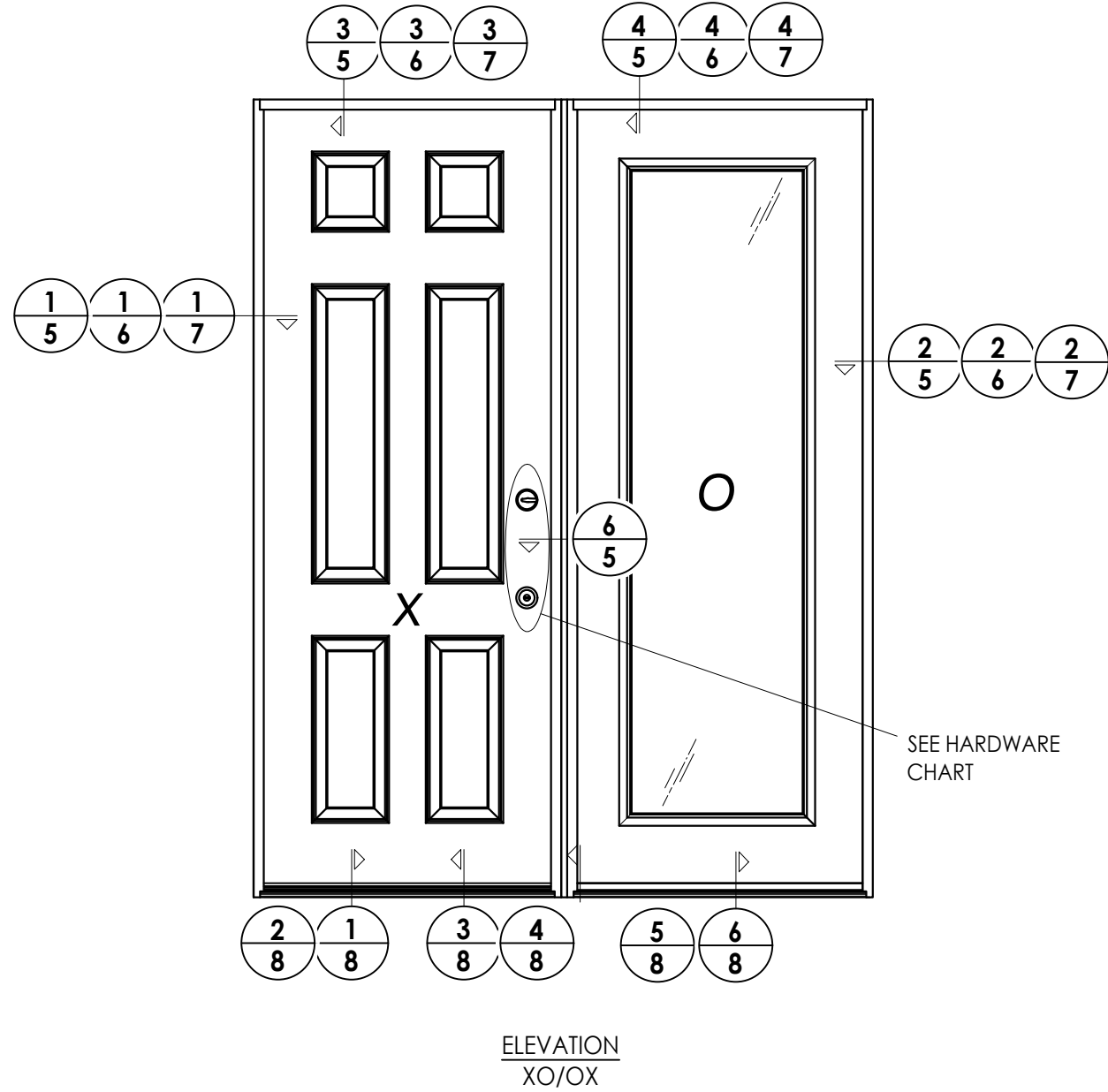
2 VERTICAL CROSS SECTION

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

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

DATE: 4/21/20		PRODUCT: THERMA-TRU FIBERGLASS DOOR	
SCALE: N.T.S.	PART OR ASSEMBLY: SIDELITE PANEL DETAILS		
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-23957.5			
SHEET 3 OF 13			

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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:	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: 4/21/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-23957.5

SHEET 4 OF 12

2 7/24/23 UPDATE TO 8TH ED. (2023) FBC LFS

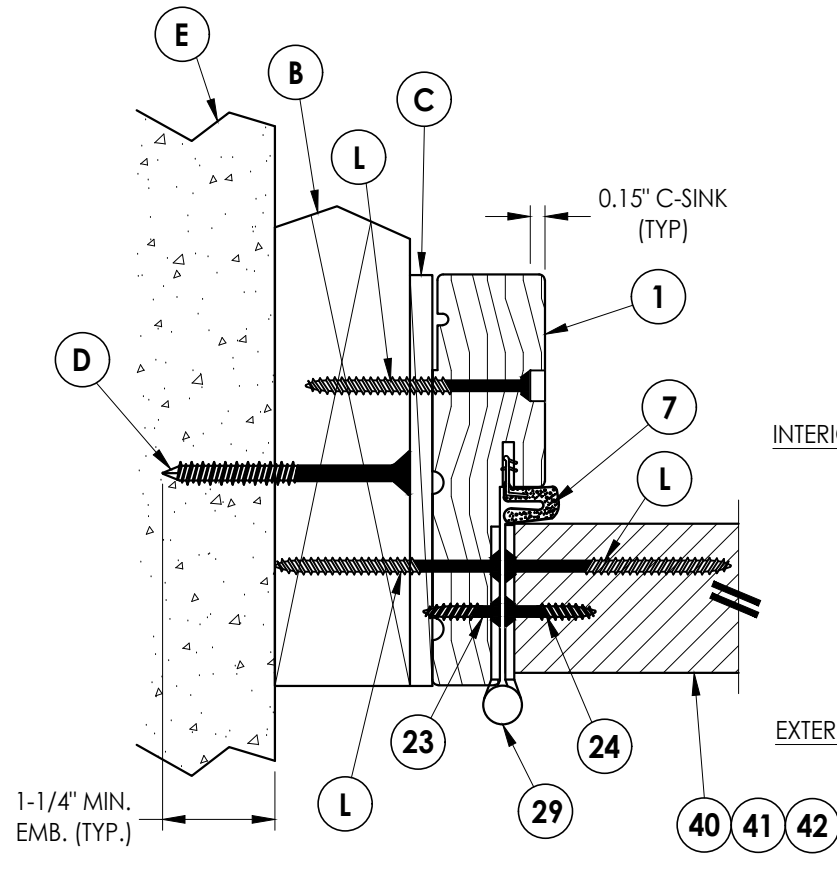
1 7/23/20 UPDATE TO 7TH ED (2020) FBC LFS

NO. DATE BY

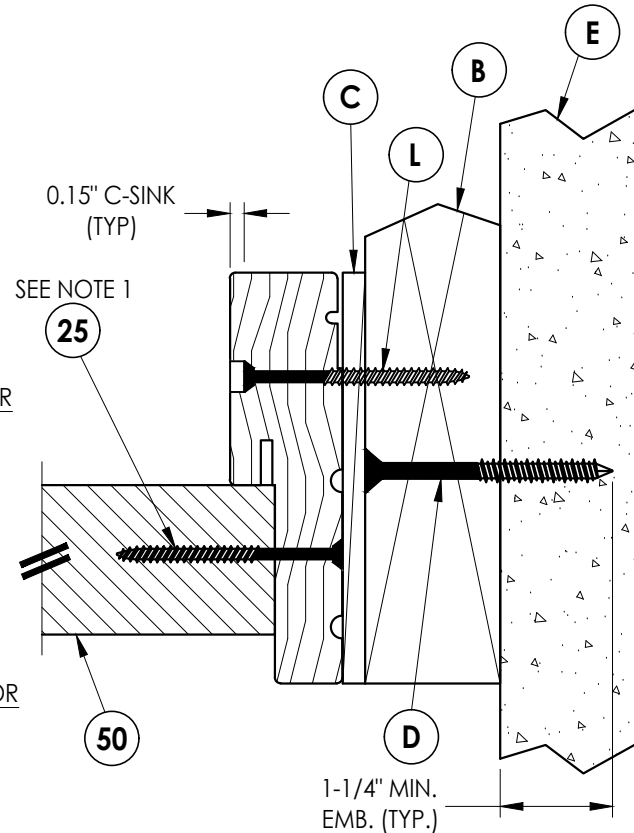
REVISIONS

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

Z:\2023 FBC Drawings\Therma-Tru\FL-23957 R3\FL-23957.4-6.dwg



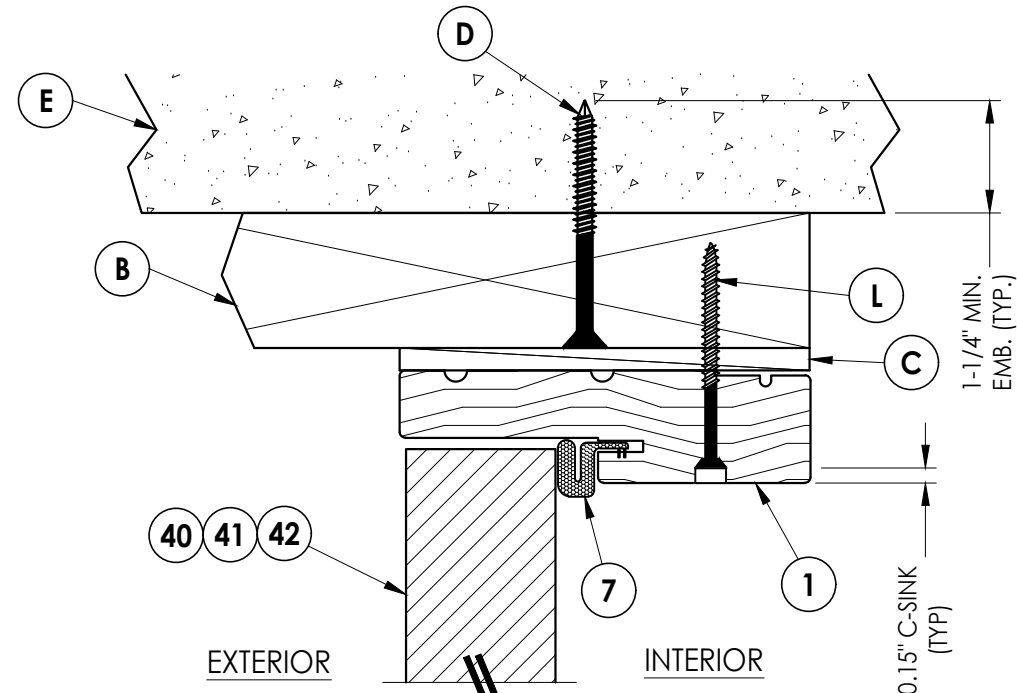
1 **HORIZONTAL CROSS SECTION**
5 Outswing shown (Inswing similar)



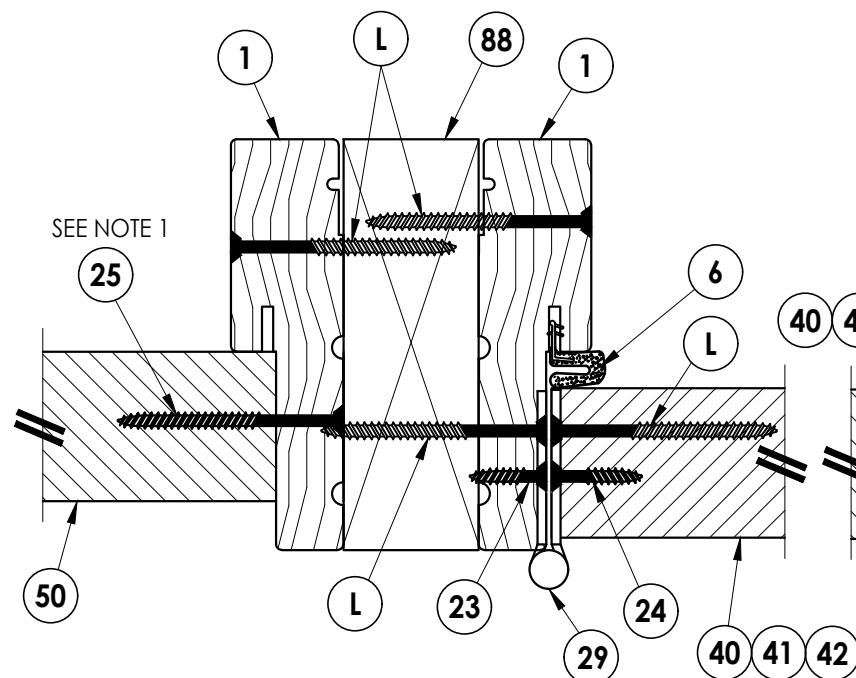
2 **HORIZONTAL CROSS SECTION**
5 Outswing shown (Inswing similar)

Notes:

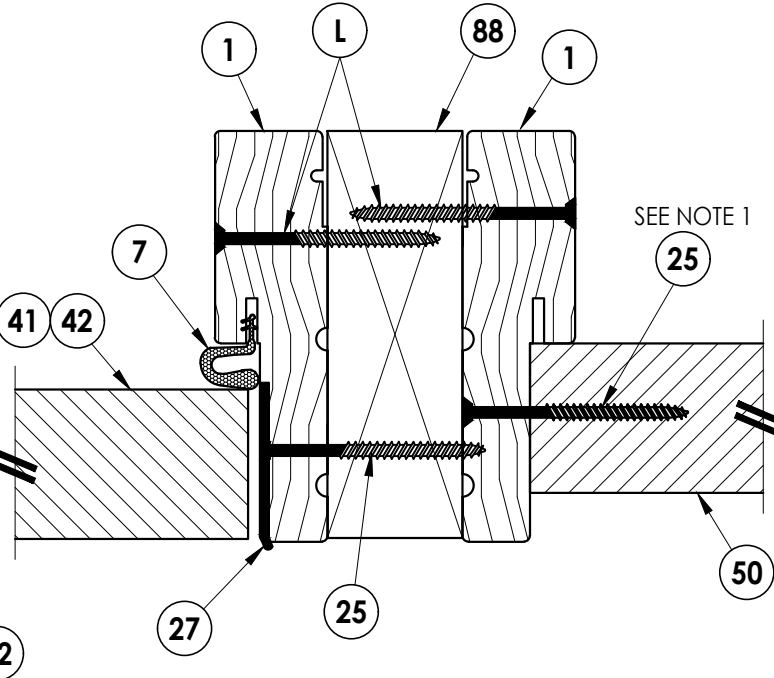
1. Sidelite assembly screws located 6" from top and bottom plus 6 more screws equally spaced between (8 screws total per side jamb).
2. Sidelite assembly screws located 4" from each end plus one at centerline (3 screws along head jamb).



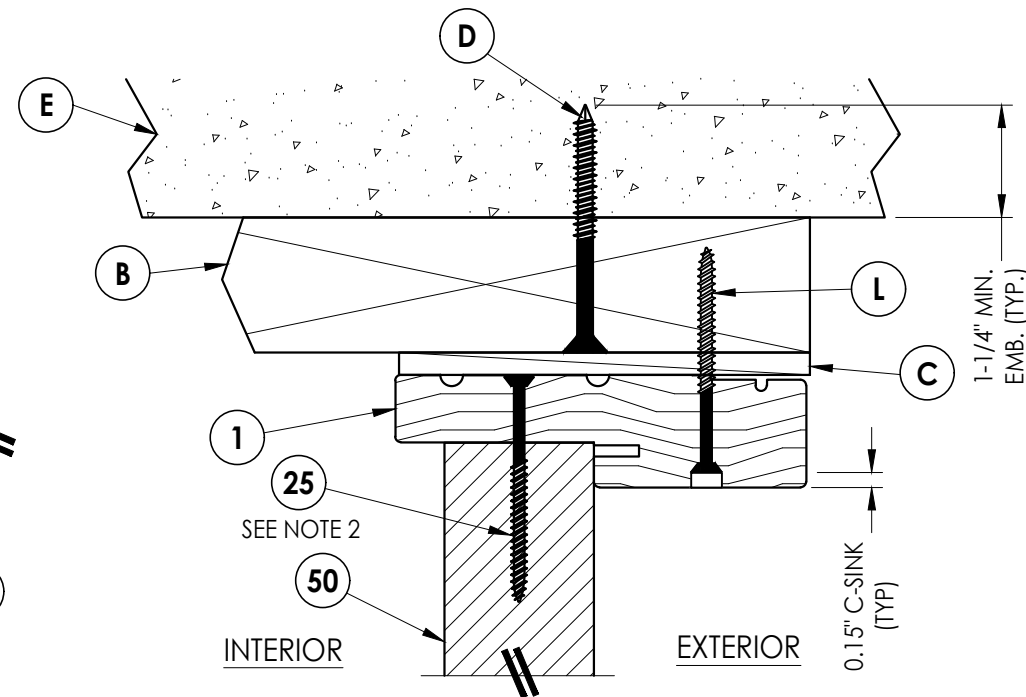
3 **VERTICAL CROSS SECTION**
5 Outswing shown (Inswing similar)



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



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



4 **VERTICAL CROSS SECTION**
5 Outswing shown (Inswing similar)

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)

DATE: 4/21/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

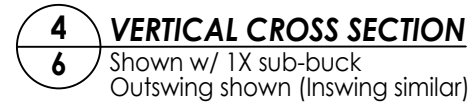
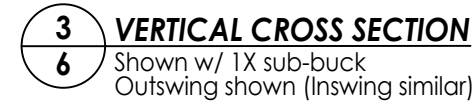
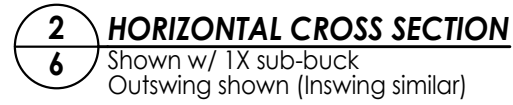
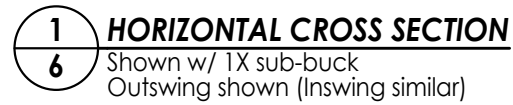
DRAWING NO.:

FL-23957.5

SHEET 5 OF 12

© 2012 R.W. BUILDING CONSULTANTS INC.

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).

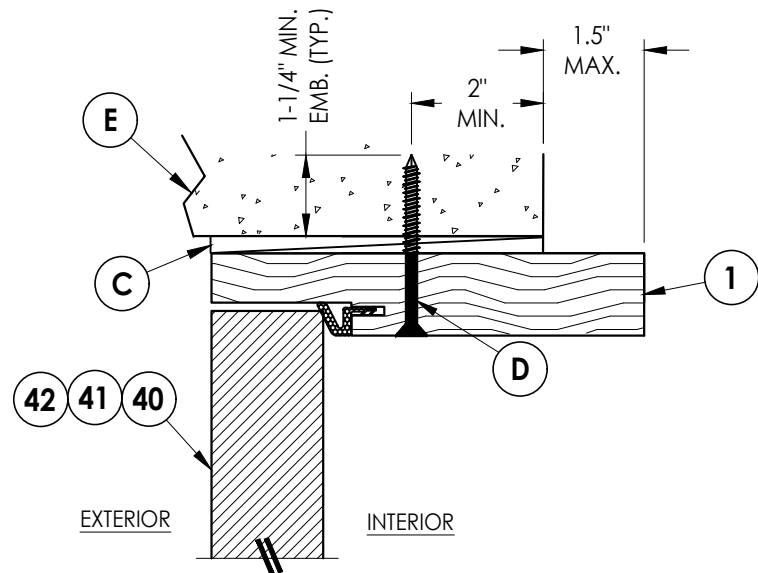
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SHEET 6 OF 12

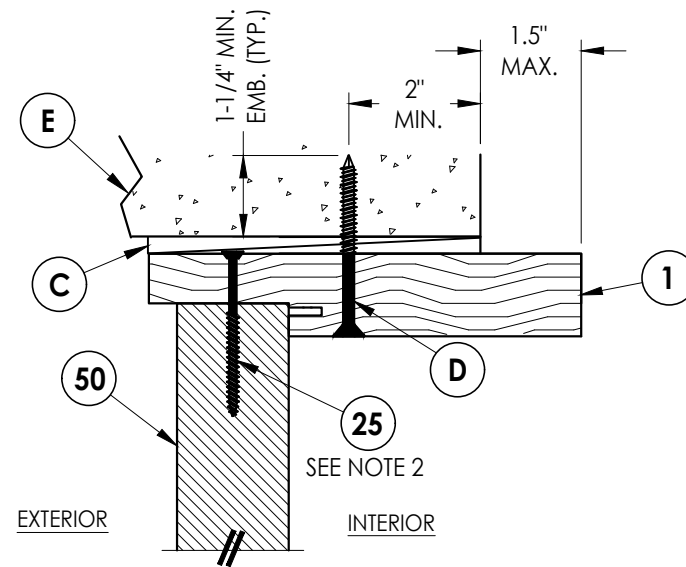
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813

PART OR ASSEMBLY:
**HORIZONTAL & VERTICAL
CROSS SECTIONS (1X BUCK)**

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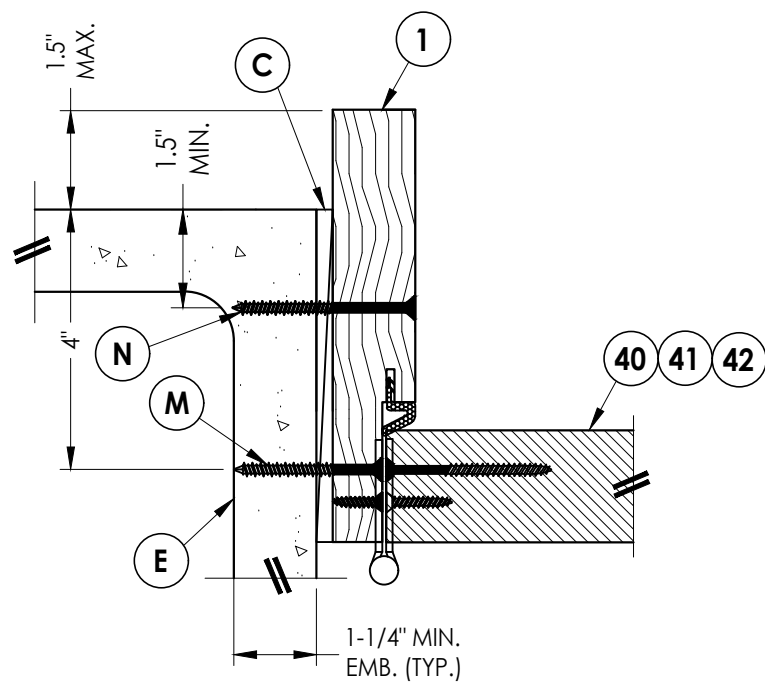
2 **HORIZONTAL CROSS SECTION**
7 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb



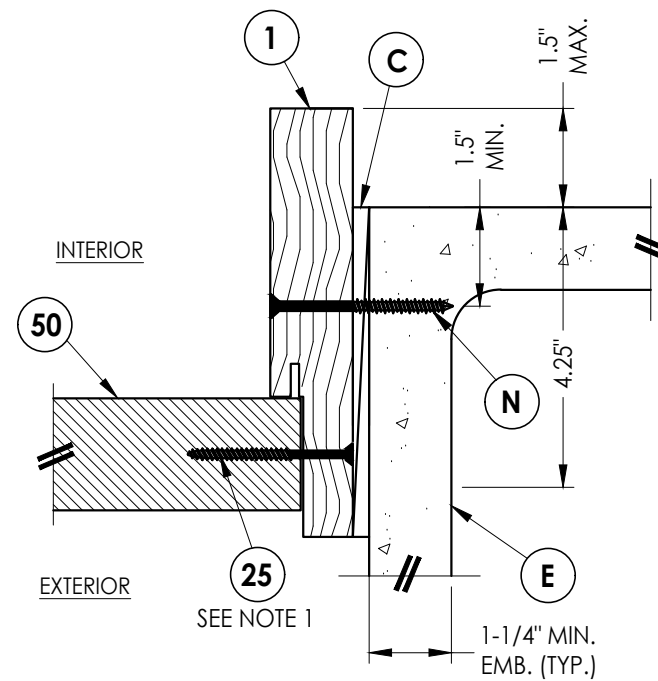
3 **VERTICAL CROSS SECTION**
7 Shown Direct to Masonry
 Outswing only w/ 6-9/16" jamb

Notes:

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



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



4 **VERTICAL CROSS SECTION**
7 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
2	7/24/23	UPDATE TO 8TH ED. (2023) FBC
1	7/23/20	UPDATE TO 7TH ED (2020) FBC

DATE: 3/24/20

SCALE: N.T.S.

DWG. BY: RW

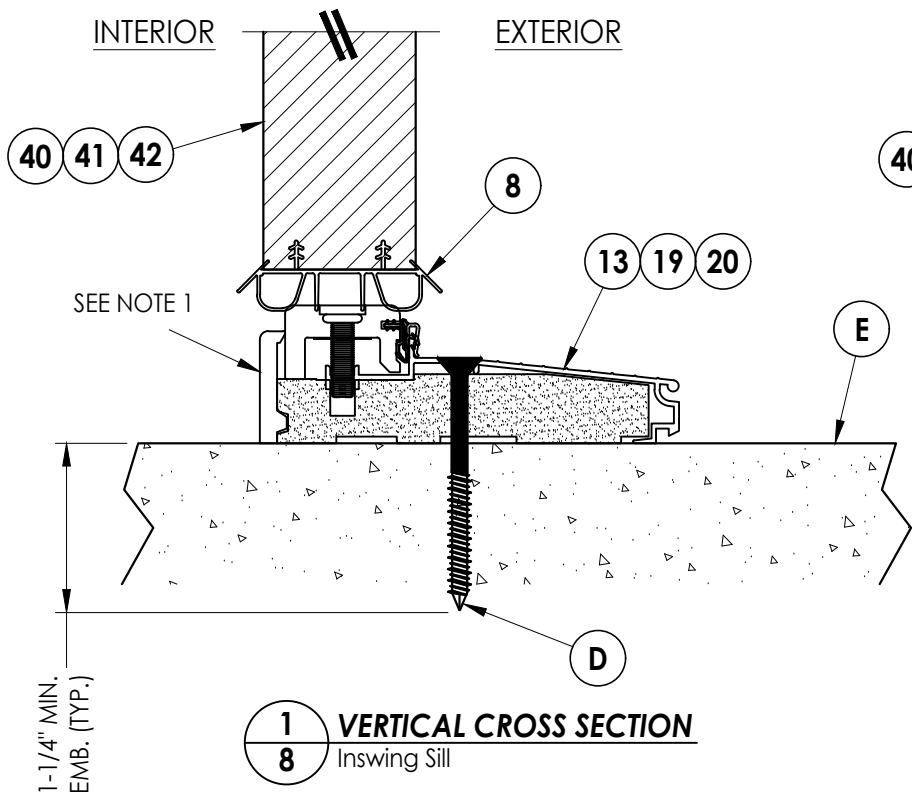
CHK. BY: LFS

DRAWING NO.:
 FL-23957.5

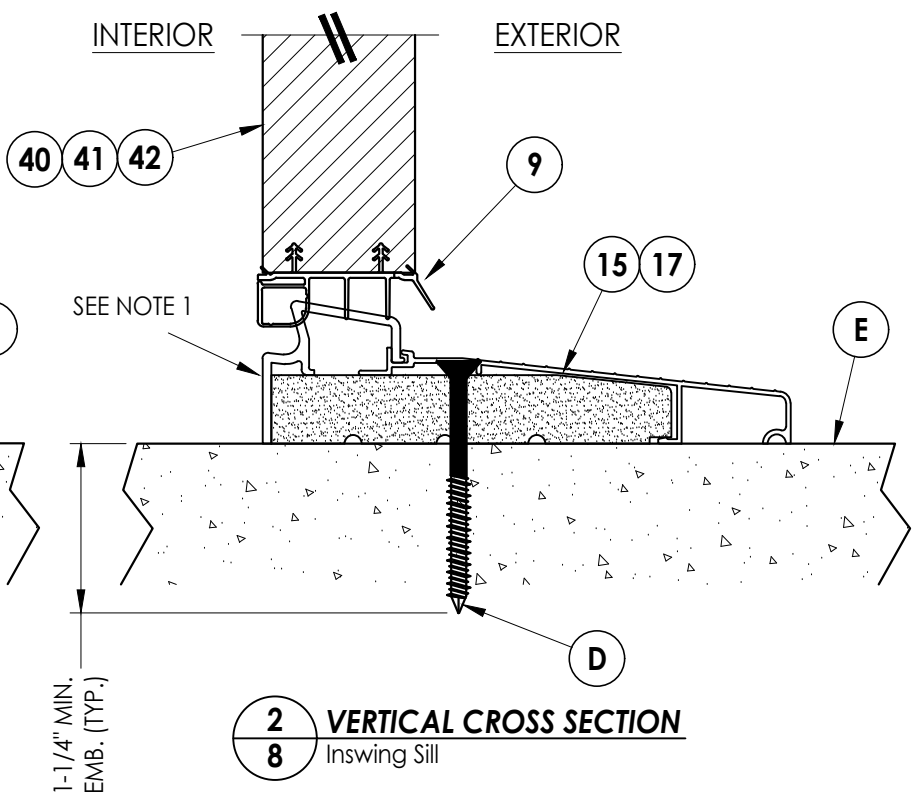
SHEET 7 OF 12

Z:\2023 FBC Drawings\Therma-Tru\FL-23957 R3\FL-23957.4-6.dwg

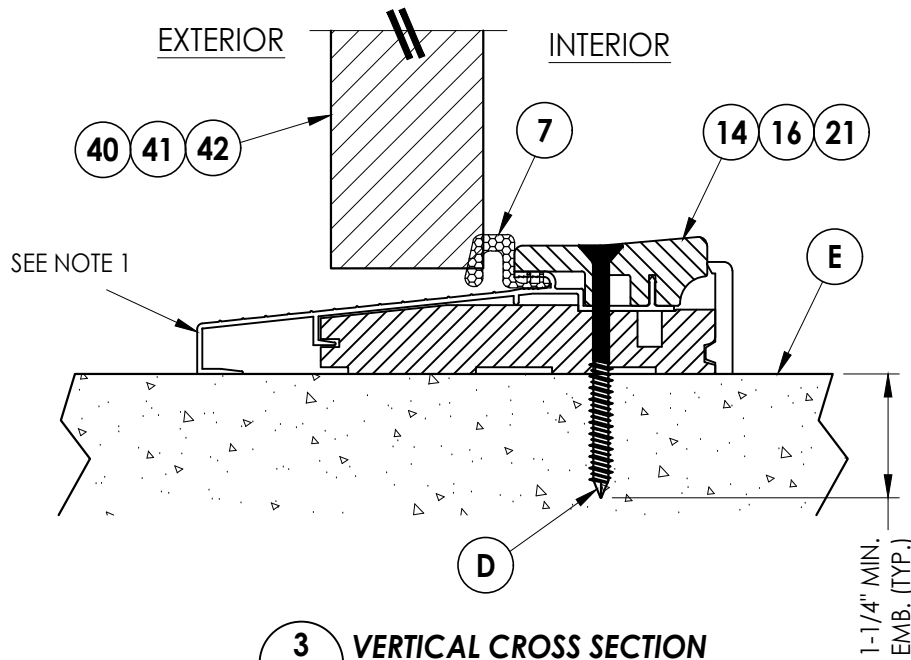
- Notes:
- Sill Item #'s 13, 16, 17, 19 & 20 are attached to jambs w/ (3) #8 X 2-1/2" pph screws at each end.
Sill Item #'s 14, 15 & 21 are attached to jambs w/ (2) #8 X 2-1/2" pph screws at each end.
Sill Item #18 is attached to jambs utilizing (2) #10 X 1-1/2" pph screws at each end.
 - Sidelite assembly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



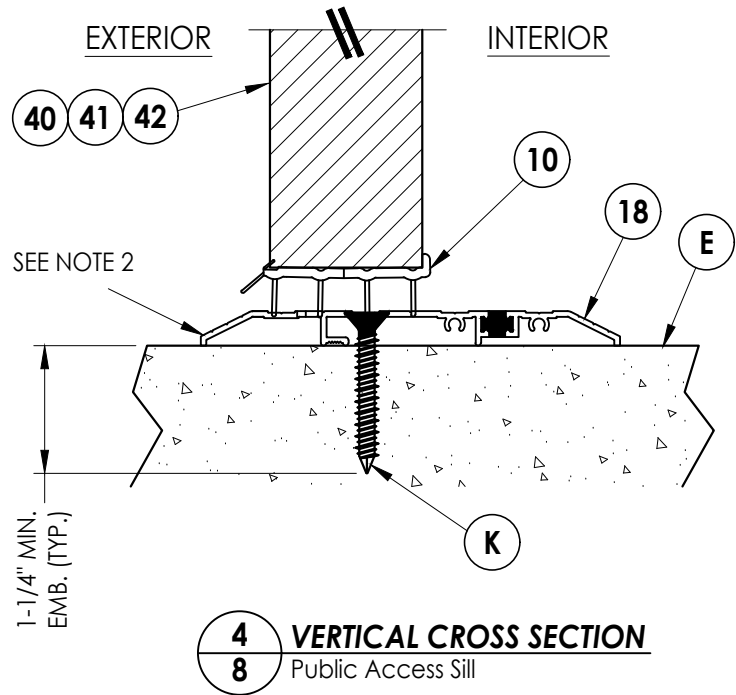
1 VERTICAL CROSS SECTION
8 Inswing Sill



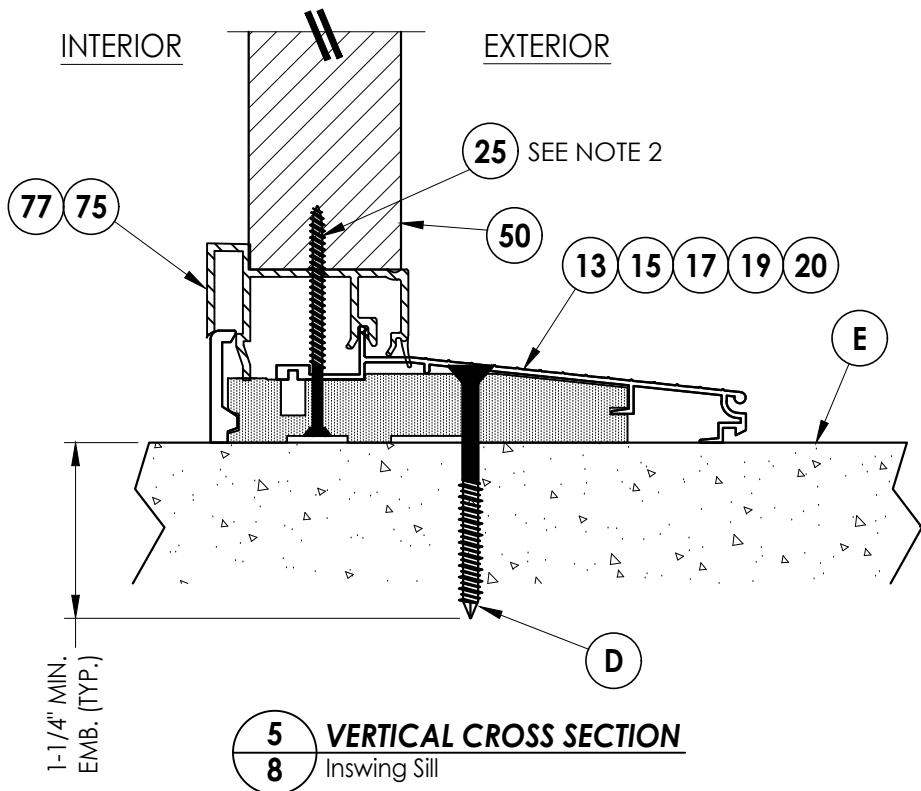
2 VERTICAL CROSS SECTION
8 Inswing Sill



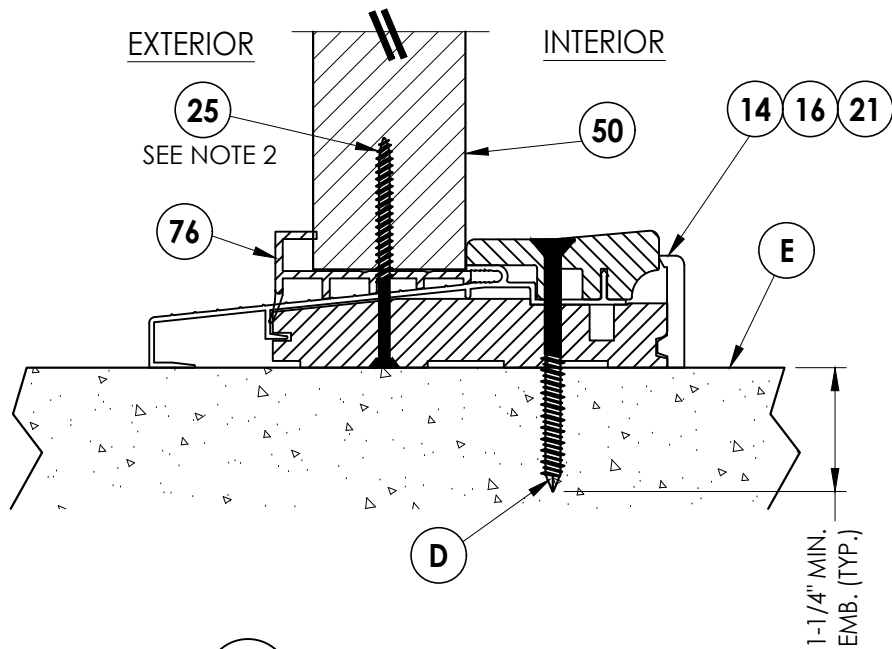
3 VERTICAL CROSS SECTION
8 Outswing Sill



4 VERTICAL CROSS SECTION
8 Public Access Sill



5 VERTICAL CROSS SECTION
8 Inswing Sill

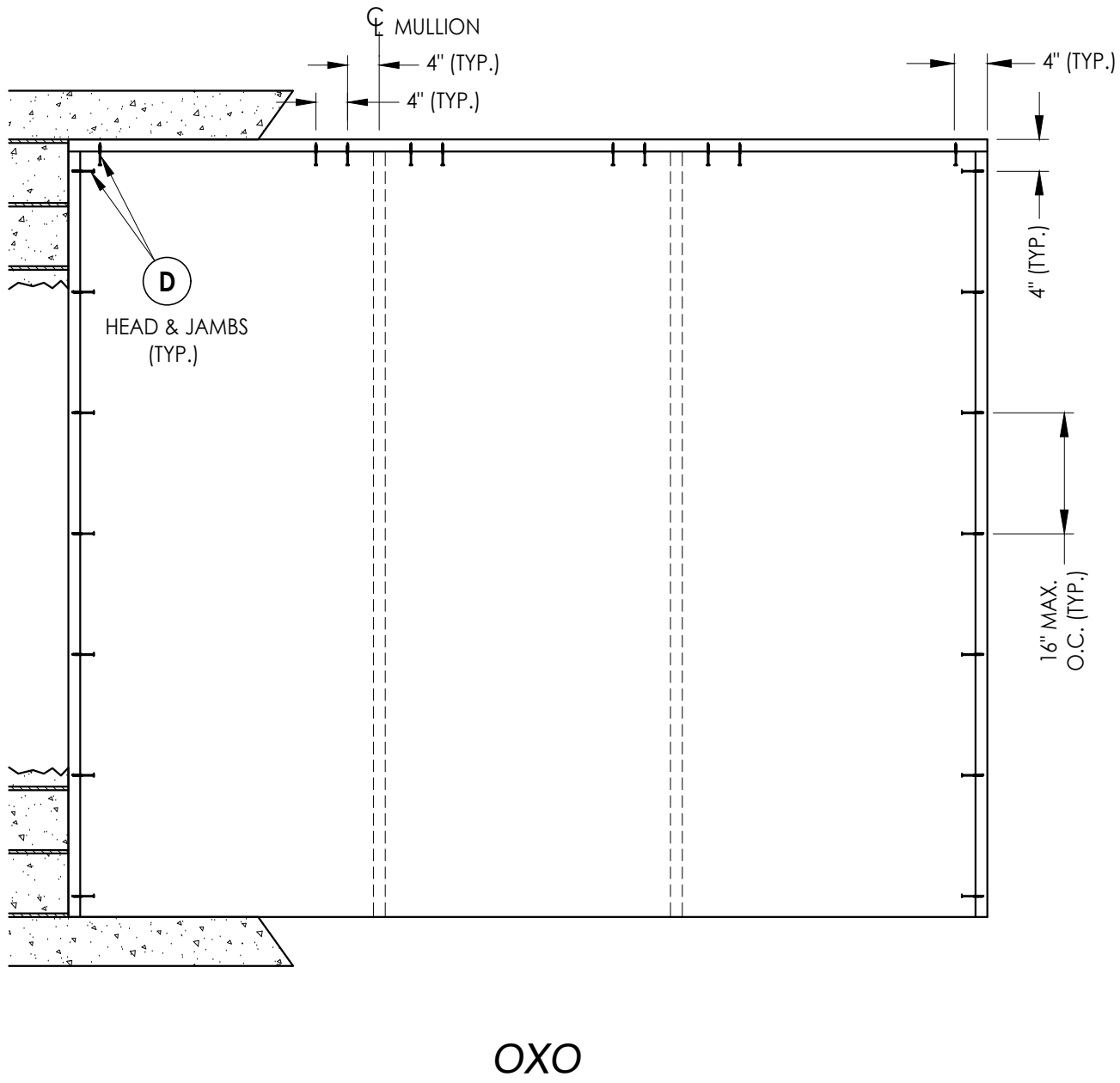
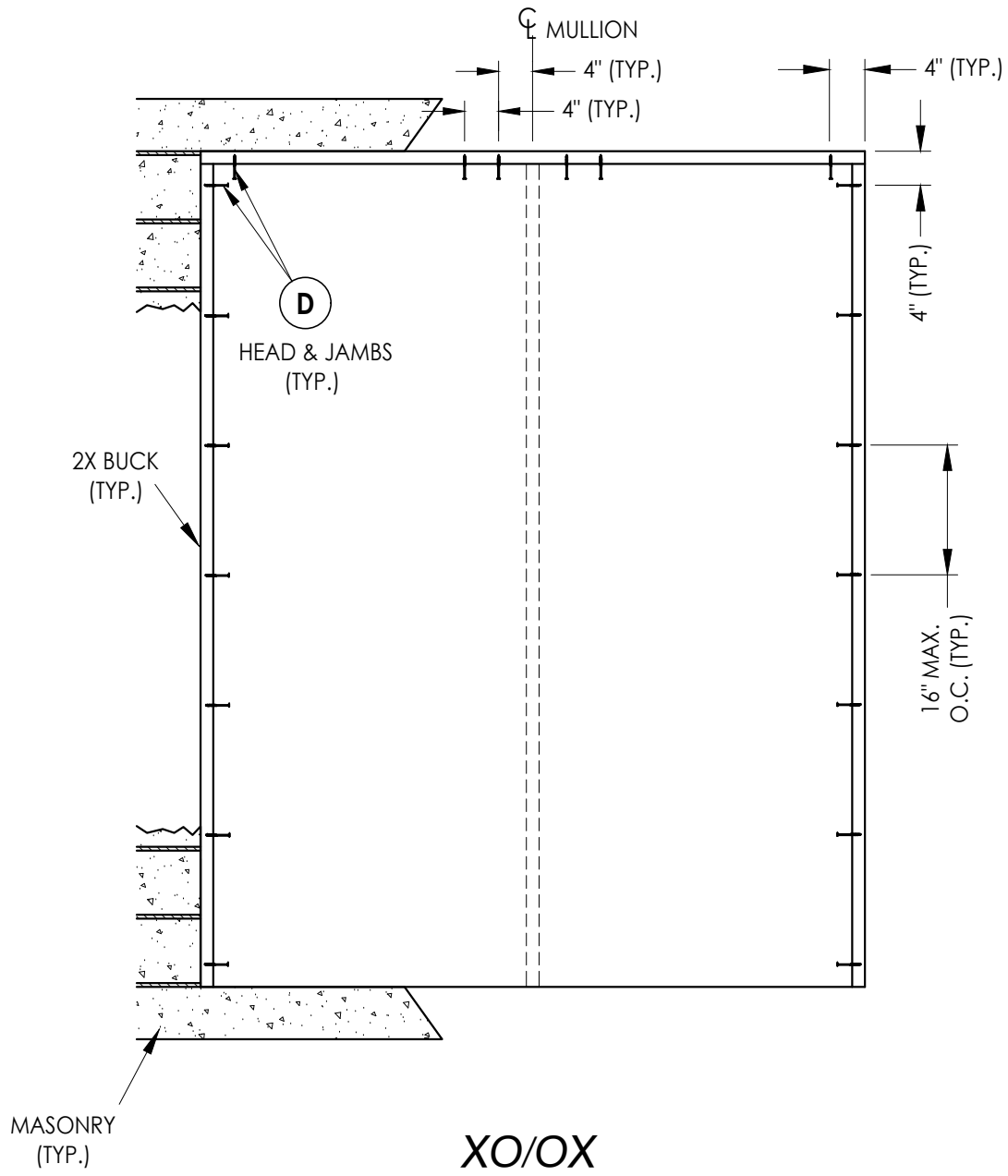


6 VERTICAL CROSS SECTION
8 Outswing Sill

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:		PART OR ASSEMBLY:	
THERMA-TRU FIBERGLASS DOOR		VERTICAL CROSS SECTIONS (THRESHOLDS)	
		LFS	BY
		FBC	
2	7/24/23	UPDATE TO 8TH ED. (2023)	FBC
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC
NO.	DATE		
REVISIONS			
DATE: 4/21/20			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-23957.5			
SHEET 8 OF 12			



2X BUCK ANCHORING

[illegible]

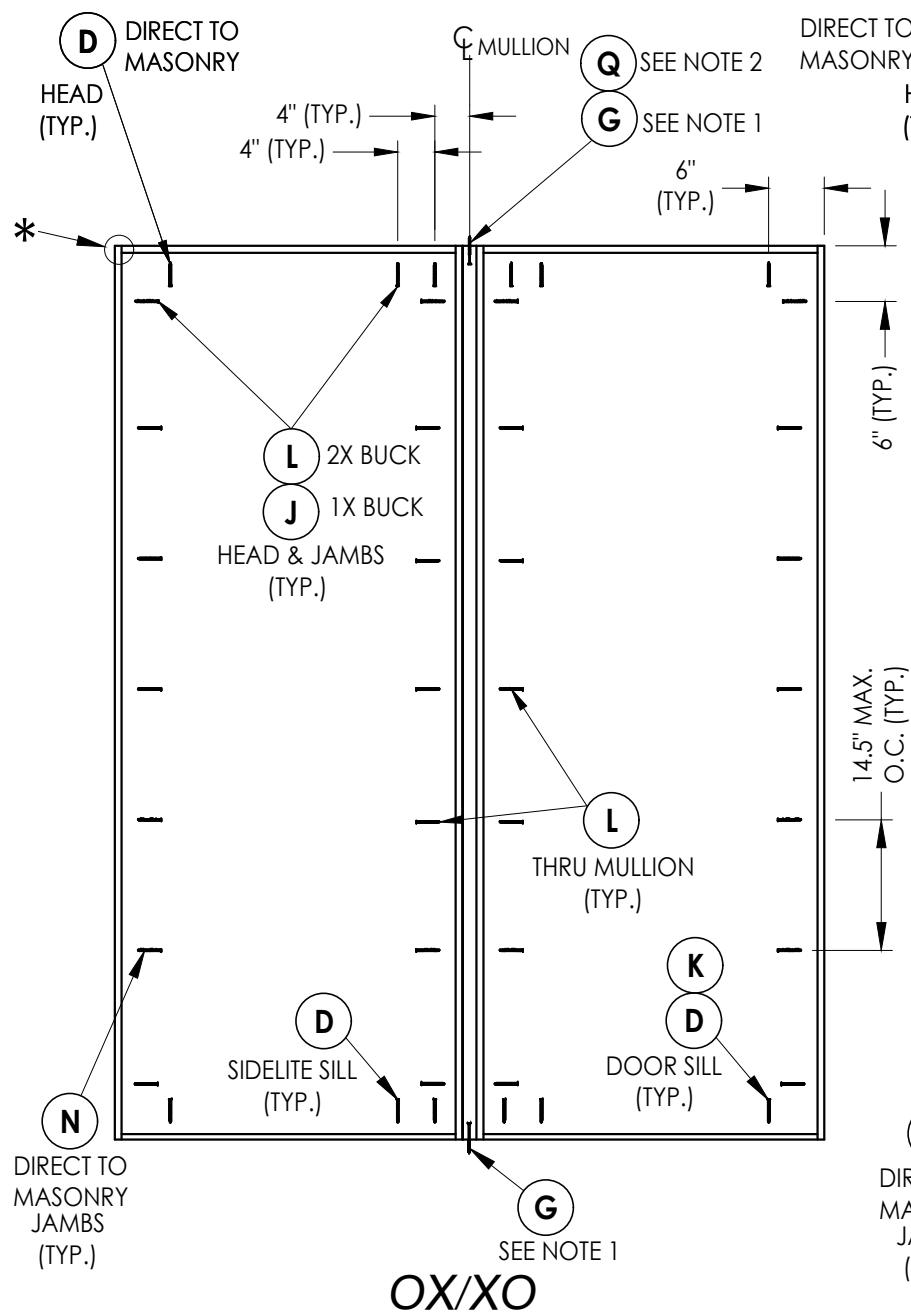
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

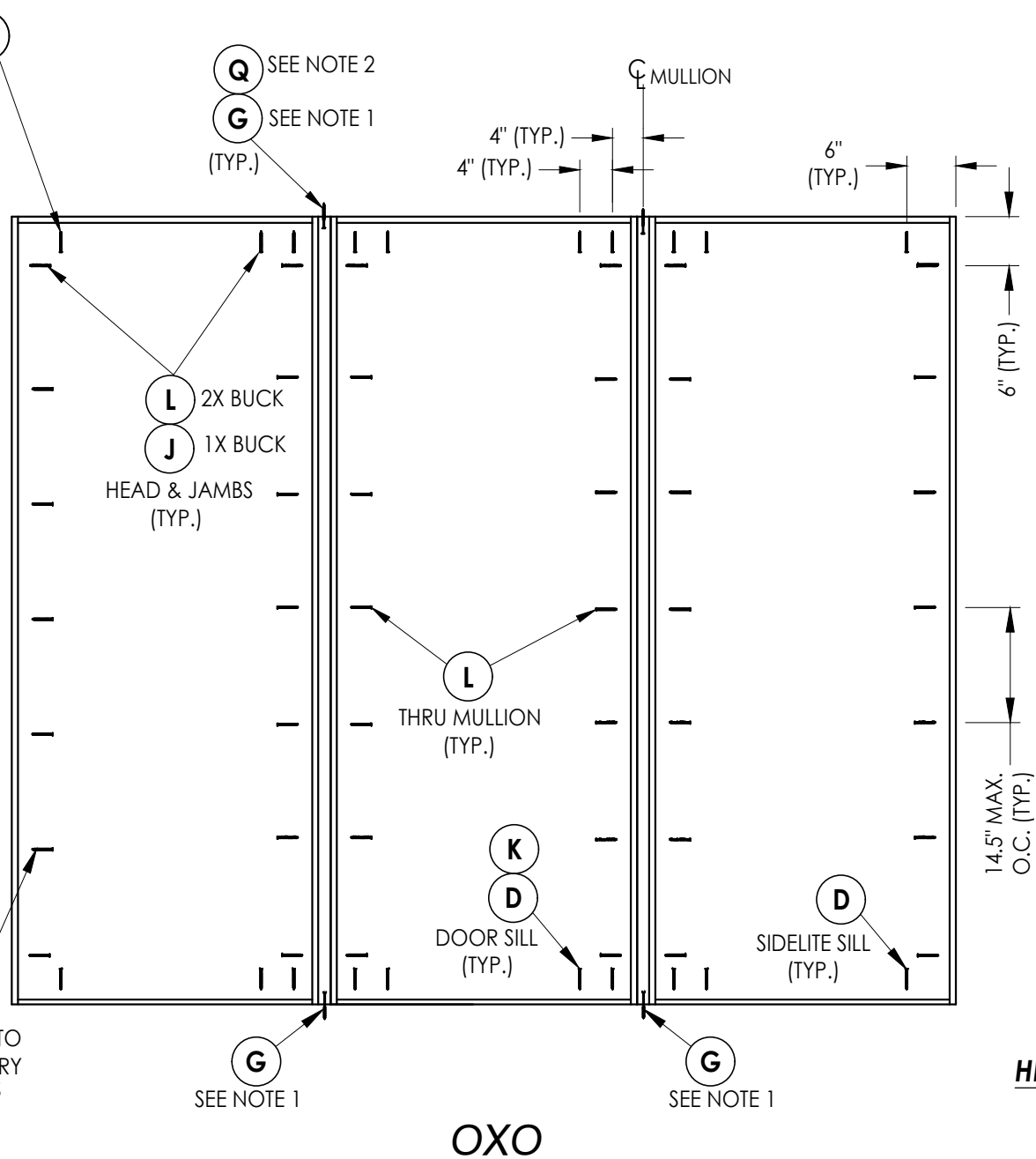
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NOTES:

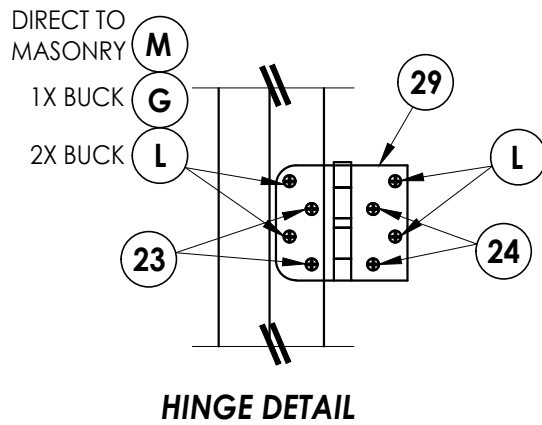
1. 3/16" X 3-1/4" ITW CONCRETE SCREW TOE-NAILED THROUGH MULLION INTO MASONRY (EACH FACE).
2. #10 X 3" WOOD SCREW TOE-NAILED THROUGH MULLION INTO 2X BUCK (EACH FACE) AT HEAD.



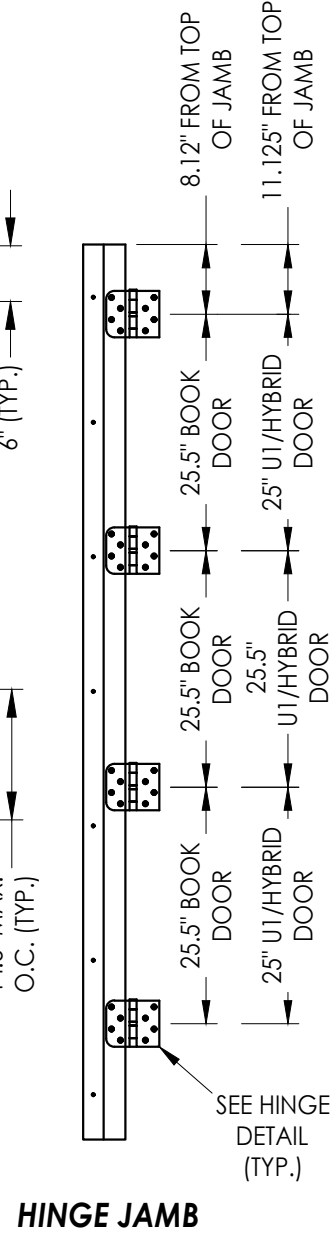
FRAME ANCHORING



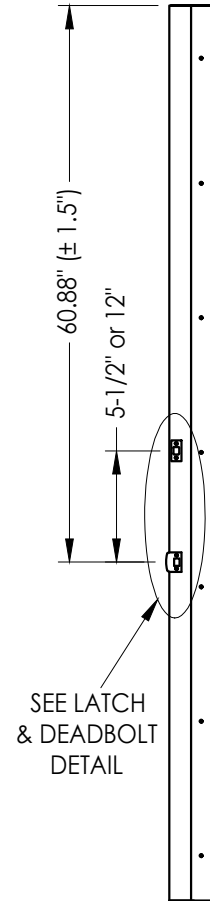
OXO



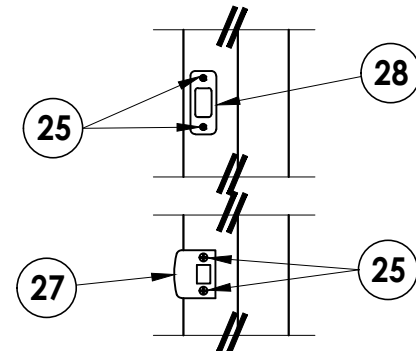
HINGE DETAIL



HINGE JAMB



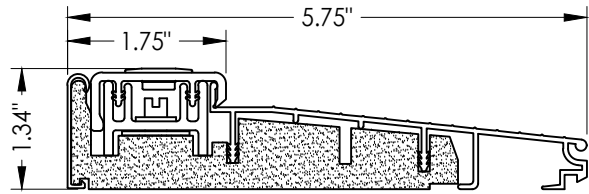
STRIKE JAMB
Latch & Deadbolt



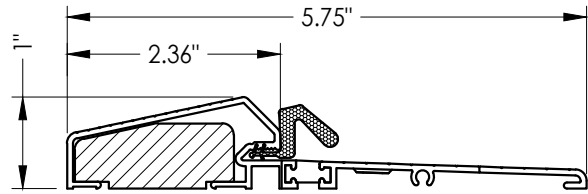
LATCH & DEADBOLT DETAIL

Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
PRODUCT: THERMA-TRU FIBERGLASS DOOR		PART OR ASSEMBLY: FRAME ANCHORING	
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-23957.5			
SHEET 10 OF 12			

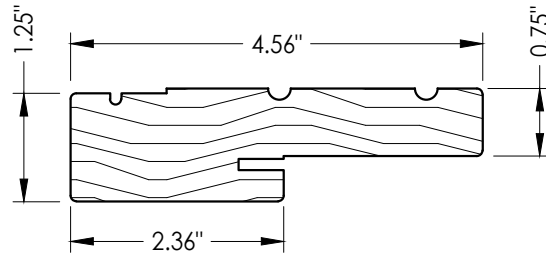
Z:\2023 FBC Drawings\Therma-Tru\FL-23957 R3\FL-23957.4-6.dwg



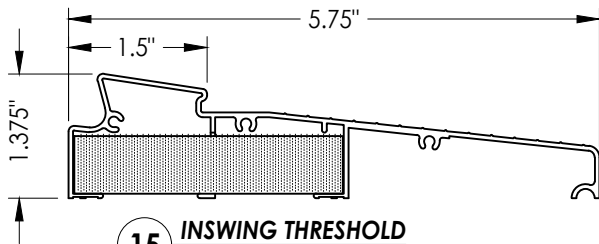
13 **INSWING THRESHOLD**
Adjustable



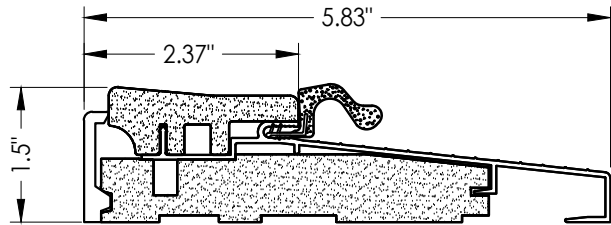
14 **OUTSWING THRESHOLD**



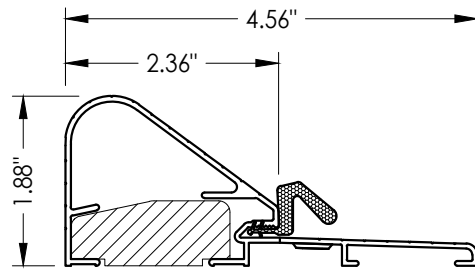
1 **WOOD JAMB**



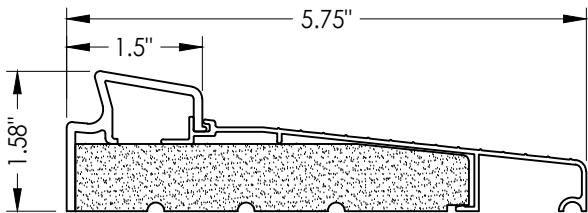
15 **INSWING THRESHOLD**
Moderate Climate



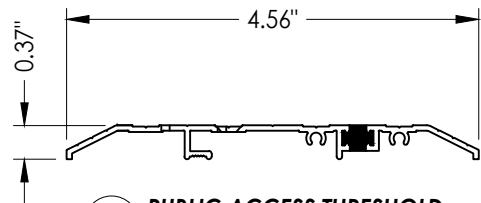
16 **OUTSWING THRESHOLD**



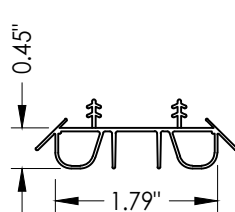
21 **OUTSWING THRESHOLD**
Coastal



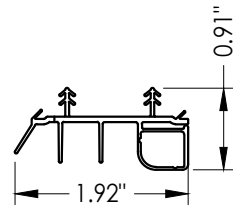
17 **INSWING THRESHOLD**
Basic Fixed



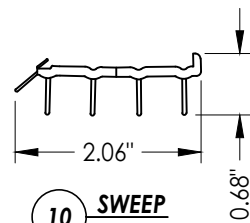
18 **PUBLIC ACCESS THRESHOLD**



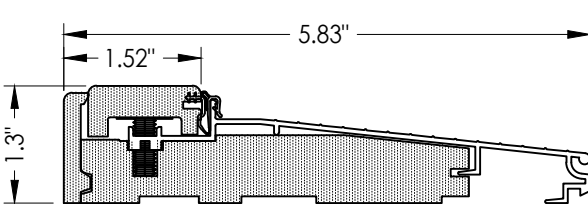
8 **SWEEP**



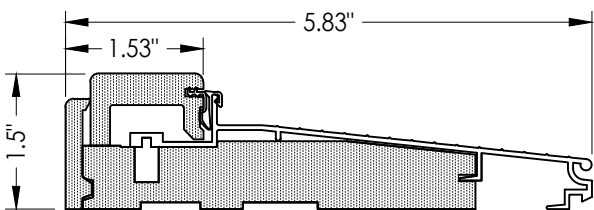
9 **SWEEP**



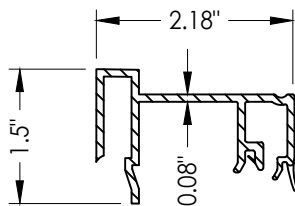
10 **SWEEP**



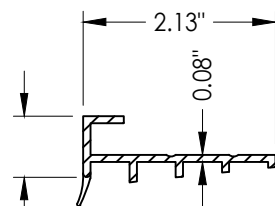
19 **INSWING THRESHOLD**
Adjustable



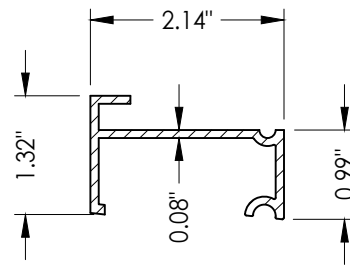
20 **INSWING THRESHOLD**
Adjustable



75 **SIDELITE SPACER**
Inswing



76 **SIDELITE SPACER**
Outswing



77 **INSWING SIDELITE**
Adapter
Moderate Climate Sill

Documents Prepared By:
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
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-23957.5

SHEET 11 OF 12

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
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
88	2X REINFORCEMENT (SG >= 0.55)	WOOD

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 ULTRACON+	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.

DATE: 4/21/20		REVISIONS	
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-23957.5			
SHEET 12 OF 12			
2	7/24/23	UPDATE TO 8TH ED. (2023)	FBC
1	7/23/20	UPDATE TO 7TH ED (2020)	FBC
NO.	DATE		BY
PART OR ASSEMBLY:		BILL OF MATERIALS	
PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
Documents Prepared By:		BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
Lyndon F. Schmidt		<i>RW</i> P.E. No. 43409	