



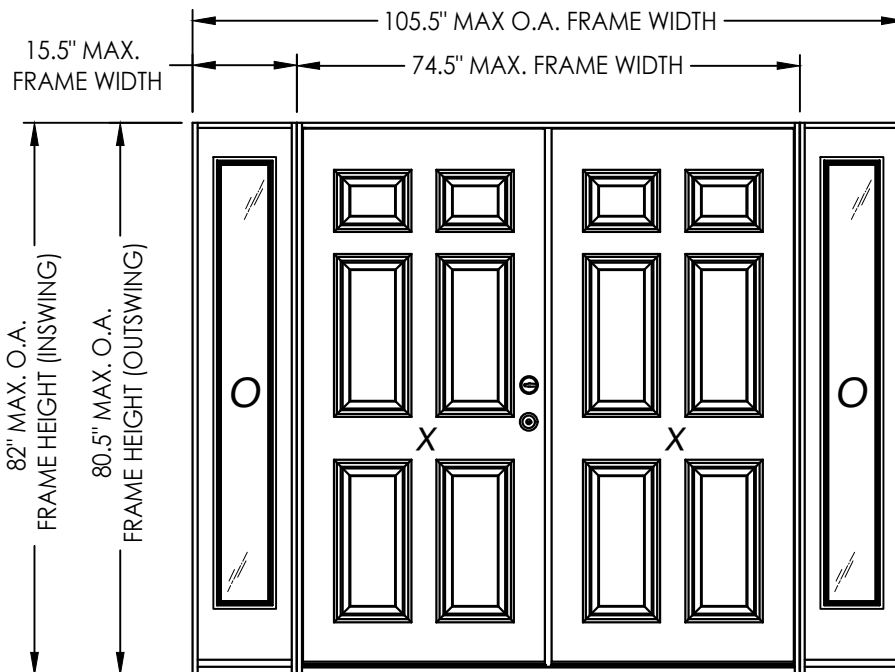
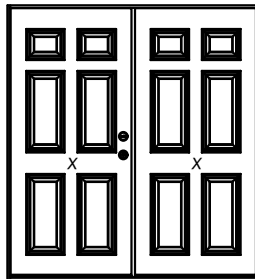
Classic-Craft®

OPAQUE FIBERGLASS DOUBLE DOOR
w/ or w/out SIDELITES
INSWING/OUTSWING
"NON-IMPACT"

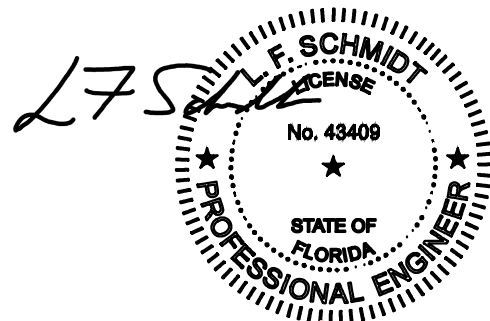
GENERAL NOTES

1. This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements excluding 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 areas requiring wind borne debris protection, this product is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2 as follows: Wind Zones 1, 2 & 3: Glazed Sidelites only; Wind Zone 4: Entire System.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.

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



CONFIGURATION	ASTRAGAL	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX, OXXO	STANDARD	+40.0	-40.0	+40.0	-40.0
XX, OXXO	COASTAL	+55.0	-55.0	+55.0	-55.0



Digitally signed by Lyndon F Schmidt
Date: 2023.08.24 15:10:45 -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

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

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

PRODUCT: THERMA-TRU
FIBERGLASS DOOR

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

2	8/22/23	UPDATE TO 8TH ED. (2023)	FBC	LFS	
1	8/05/20	UPDATE TO 7th ED (2020)	FBC	LFS	
NO.	DATE			BY	
					REVISIONS

DATE: 3/25/20

SCALE: *N.T.S.*

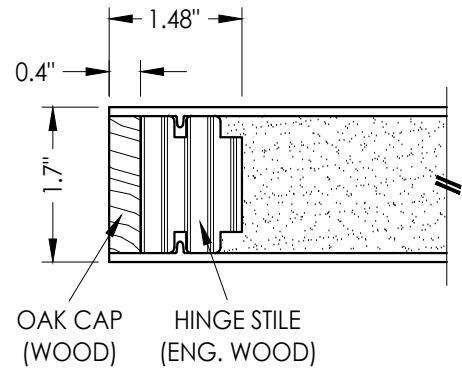
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CHK. BY: LFS

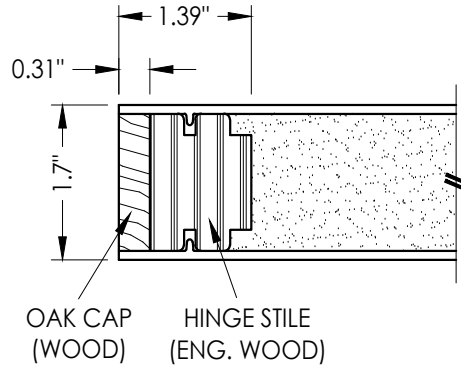
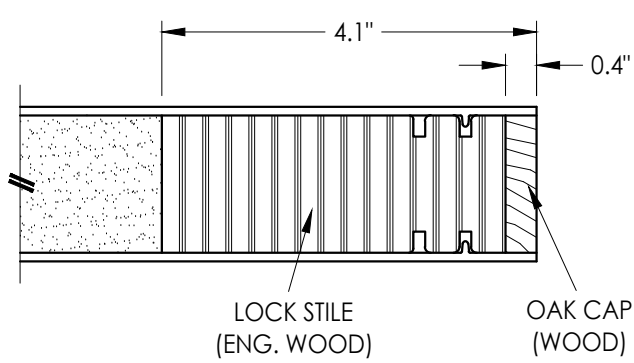
DRAWING NO.:
FL-23955.3

SHEET 1 OF 13

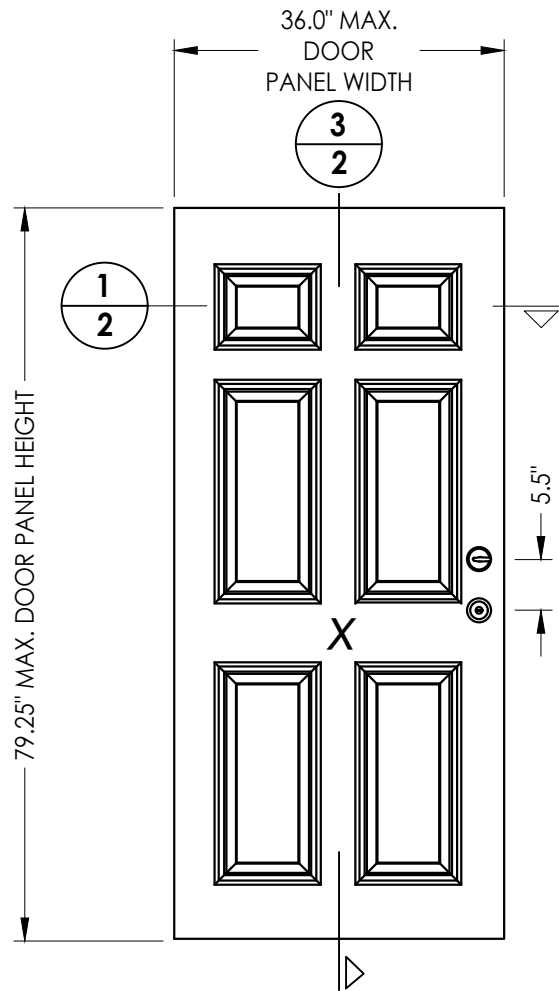
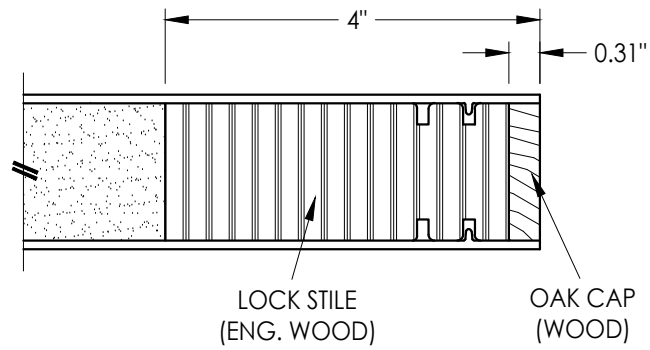
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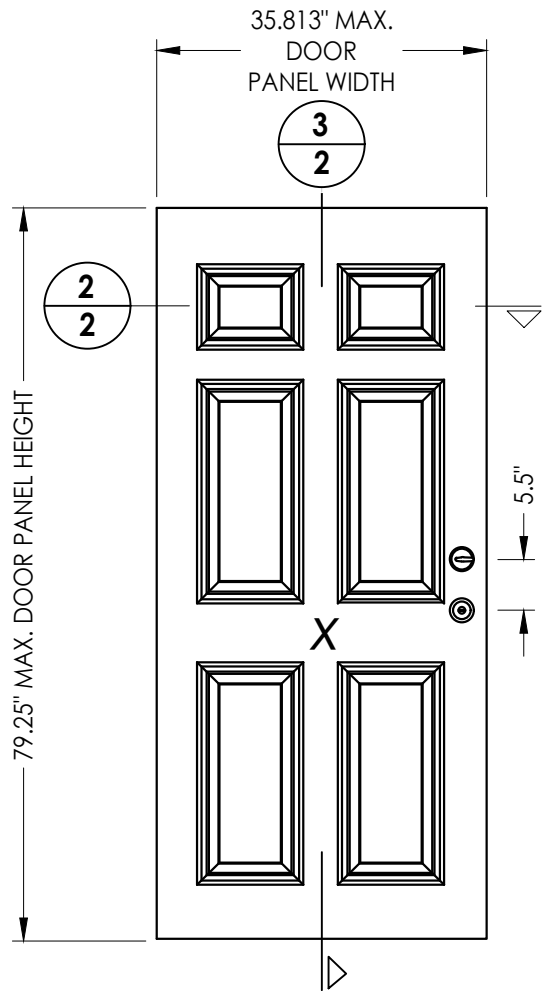
1
2 HORIZONTAL CROSS SECTION



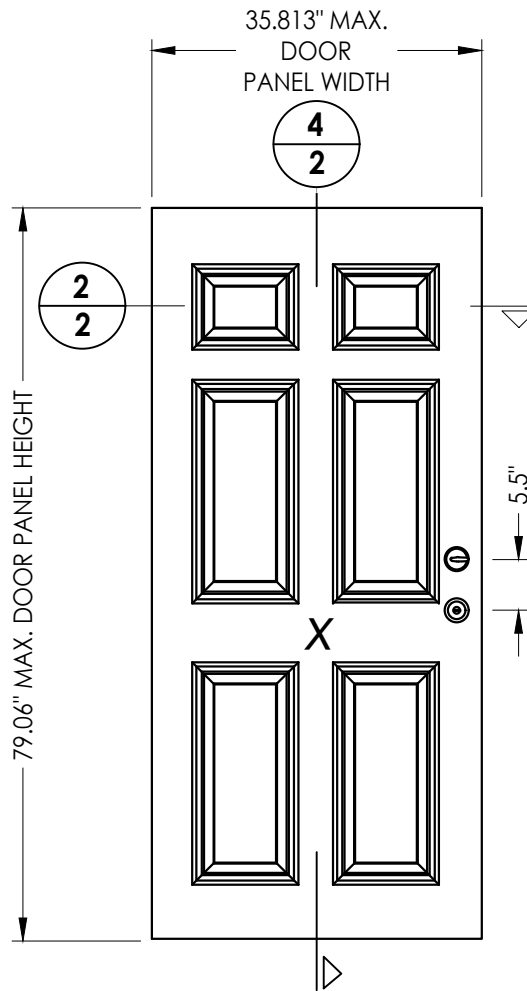
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2 HORIZONTAL CROSS SECTION



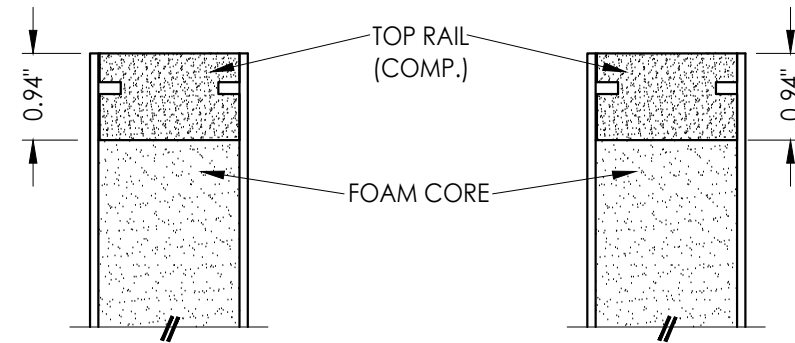
40 DOOR PANEL
BOOK



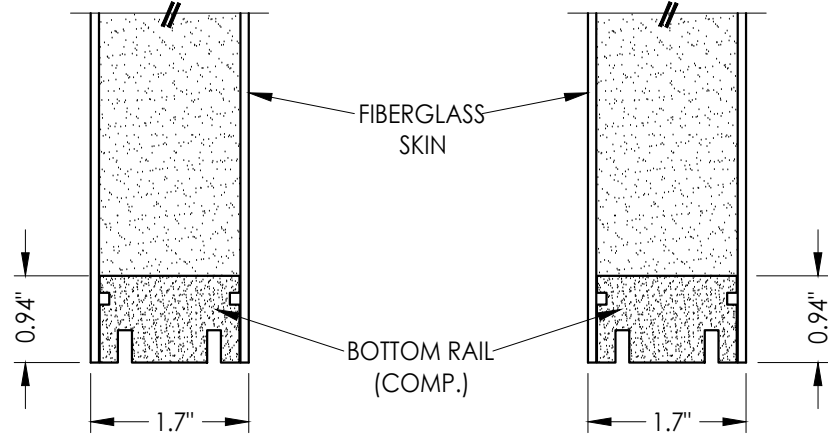
41 DOOR PANEL
Hybrid Door



42 DOOR PANEL
U1 Door



3
2 VERTICAL CROSS SECTION



4
2 VERTICAL CROSS SECTION

"Classic-Craft" SERIES DOOR PANEL

FIBERGLASS DOOR SKIN: 0.095" MIN. THK.

FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR PANEL DETAILS

NO.	DATE	REVISIONS	BY
2	8/22/23	UPDATE TO 8TH ED. (2023)	FBC
1	8/05/20	UPDATE TO 7TH ED (2020)	FBC

DATE: 3/25/20

SCALE: N.T.S.

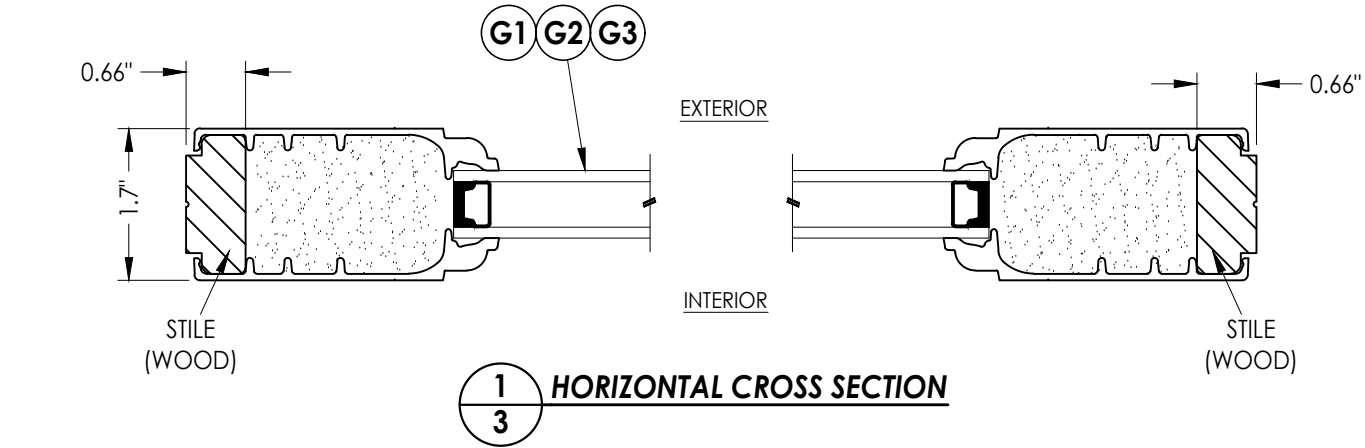
DWG. BY: RW

CHK. BY: LFS

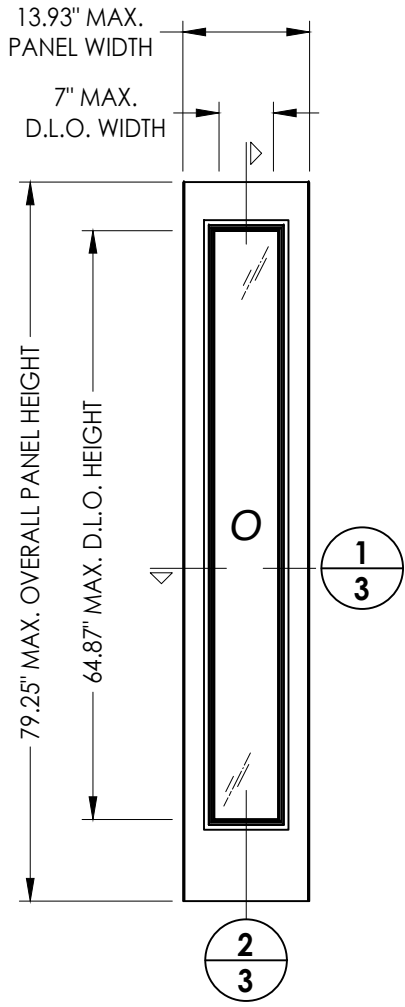
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SHEET 2 OF 13

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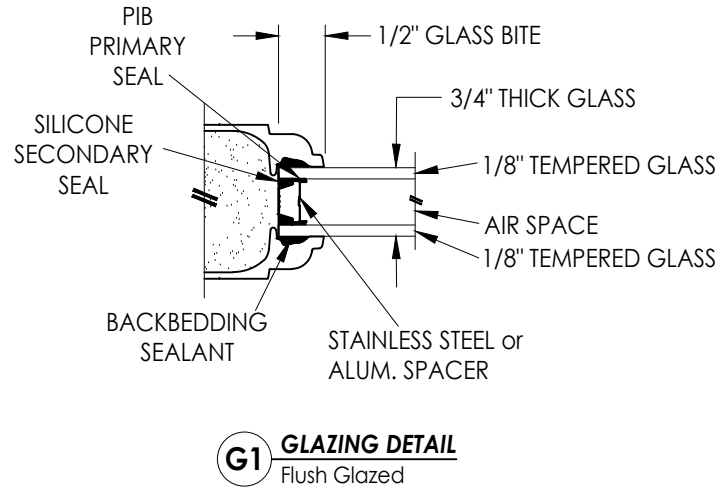


1
3 **HORIZONTAL CROSS SECTION**

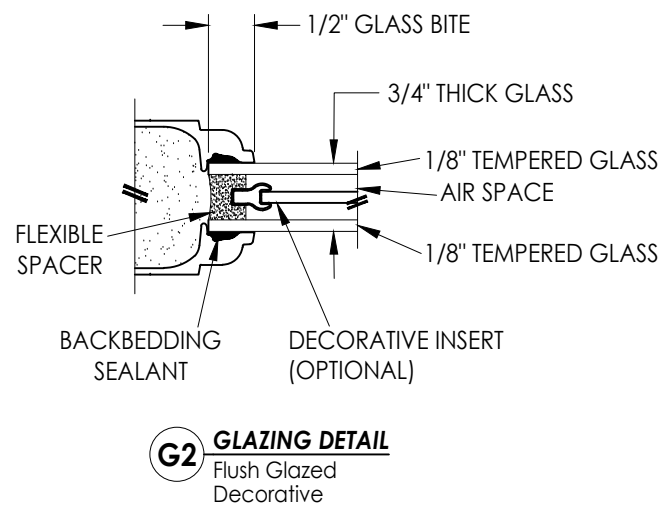


50 **SIDELITE PANEL**

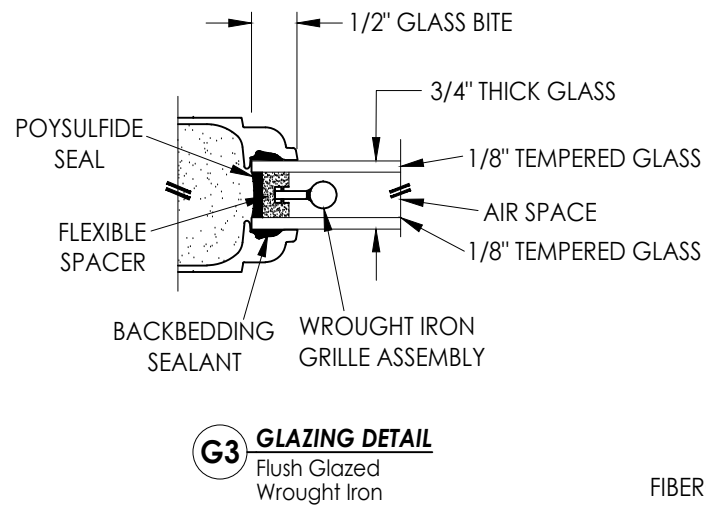
SIDELITE PANEL
FIBERGLASS SKIN: 0.070" MIN. THK.
FOAM CORE: POLYURETHANE FOAM (1.9 PCF MIN.)



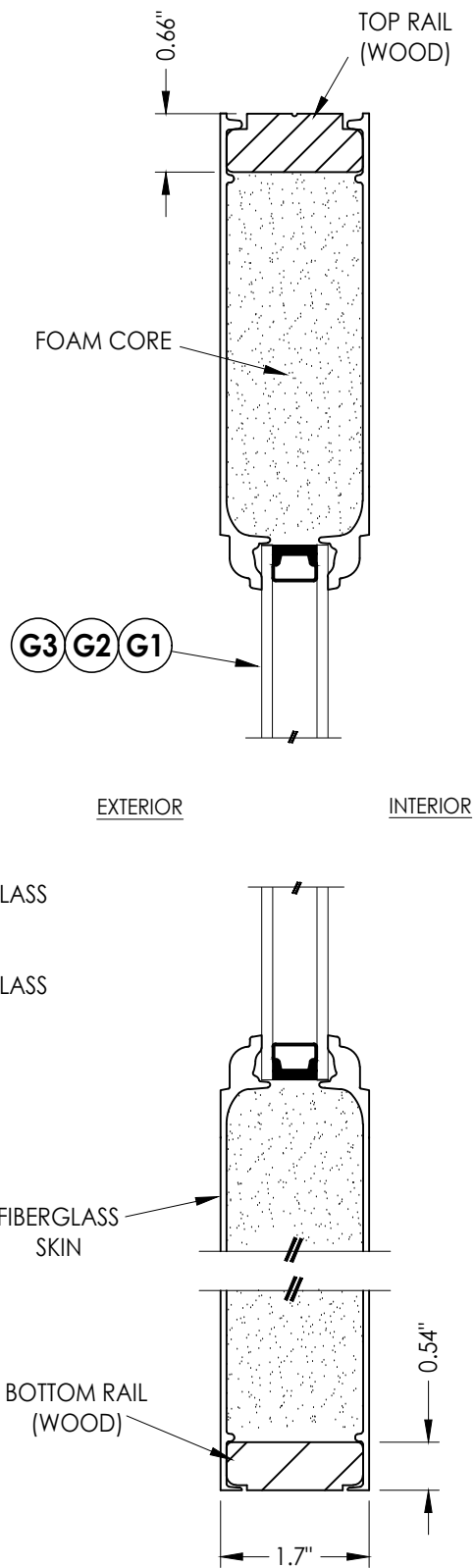
G1 **GLAZING DETAIL**
Flush Glazed



G2 **GLAZING DETAIL**
Flush Glazed Decorative



G3 **GLAZING DETAIL**
Flush Glazed Wrought Iron



2
3 **VERTICAL CROSS SECTION**

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PRODUCT: **THERMA-TRU
FIBERGLASS DOOR**
PART OR ASSEMBLY: **SIDELITE PANEL DETAILS**

NO.	DATE	REVISIONS	
		BY	
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1	8/05/20	UPDATE TO 7th ED (2020)	FBC

DATE: 3/25/20

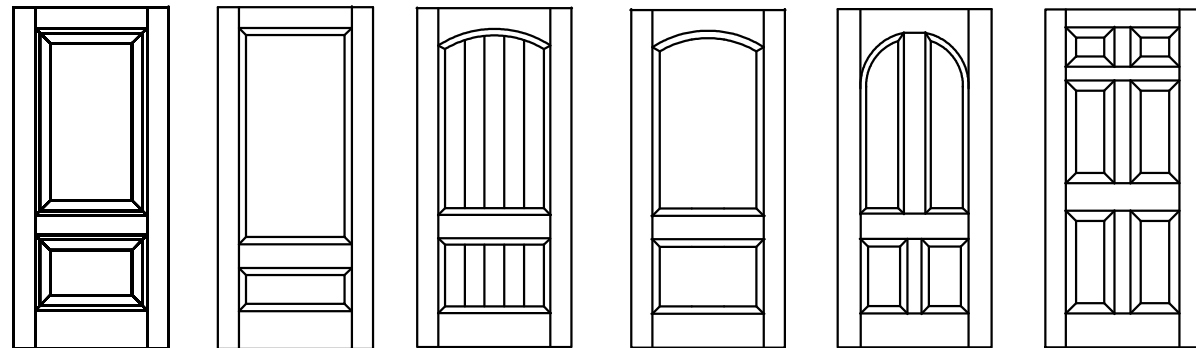
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DWG. BY: RW

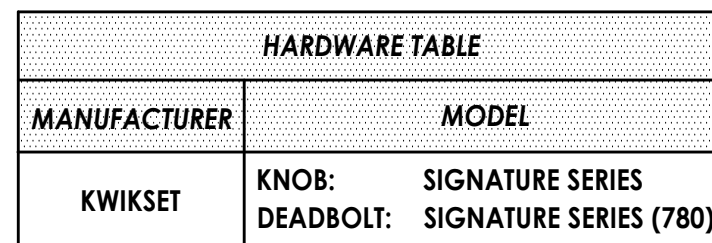
CHK. BY: LFS

DRAWING NO.: FL-23955.3

SHEET 3 OF 13



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

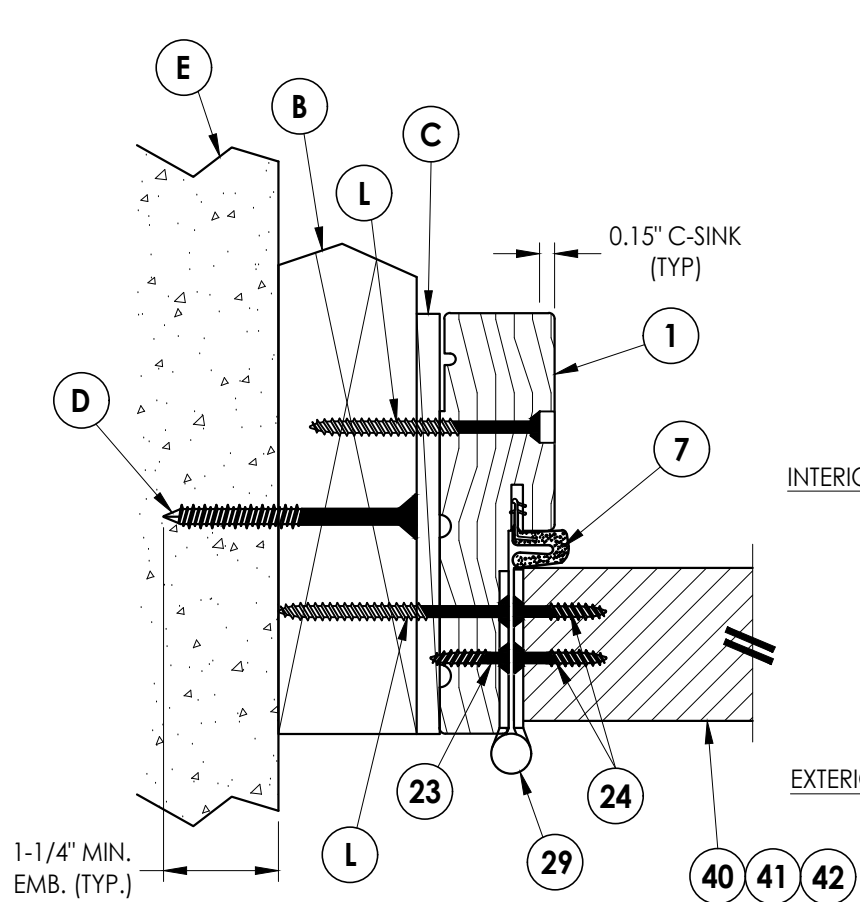


PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	ELEVATIONS

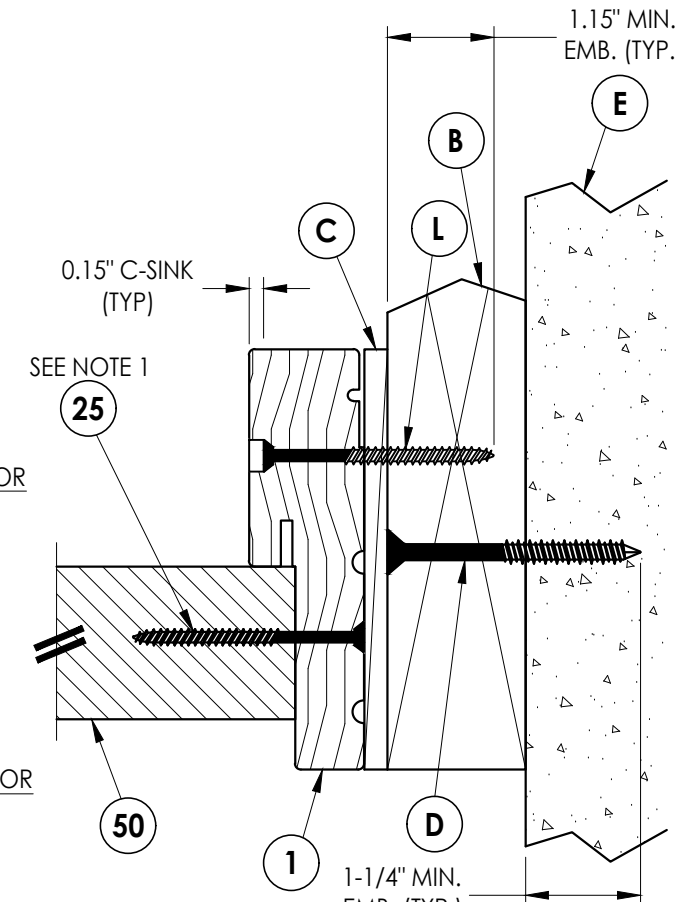
Documents Prepared By:
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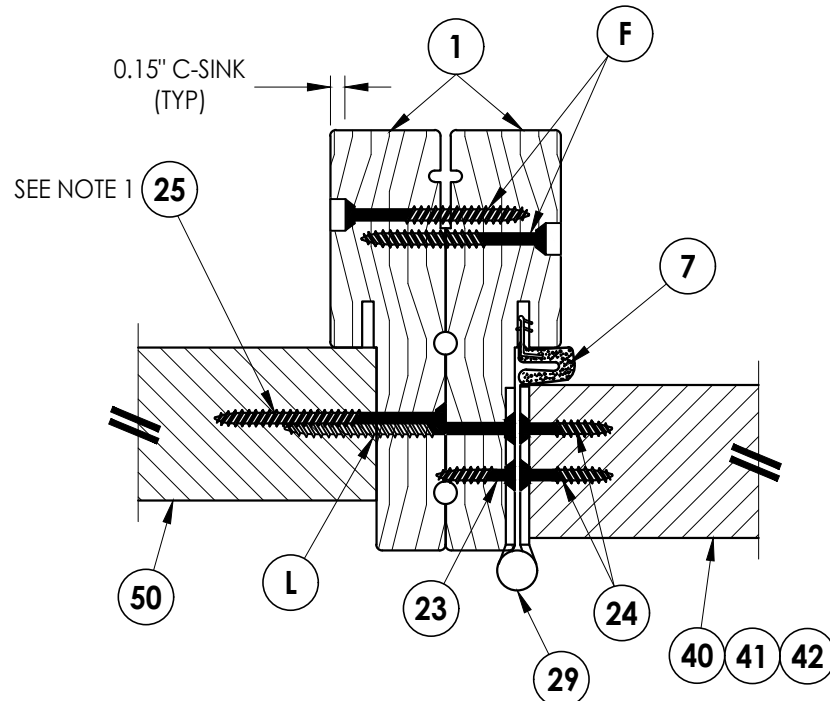
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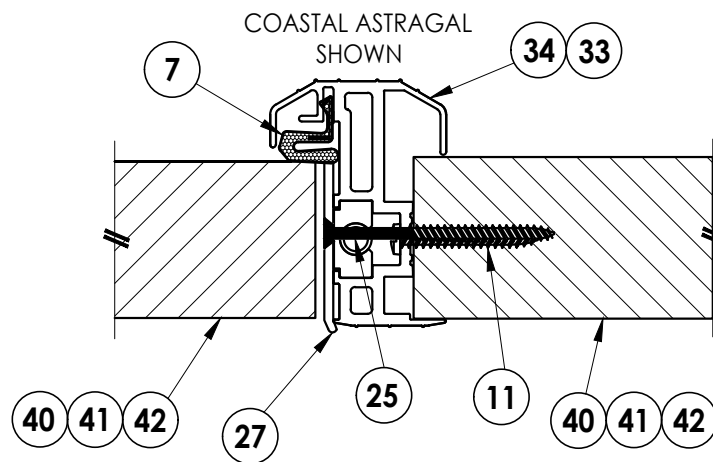
1 **HORIZONTAL CROSS SECTION**
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)



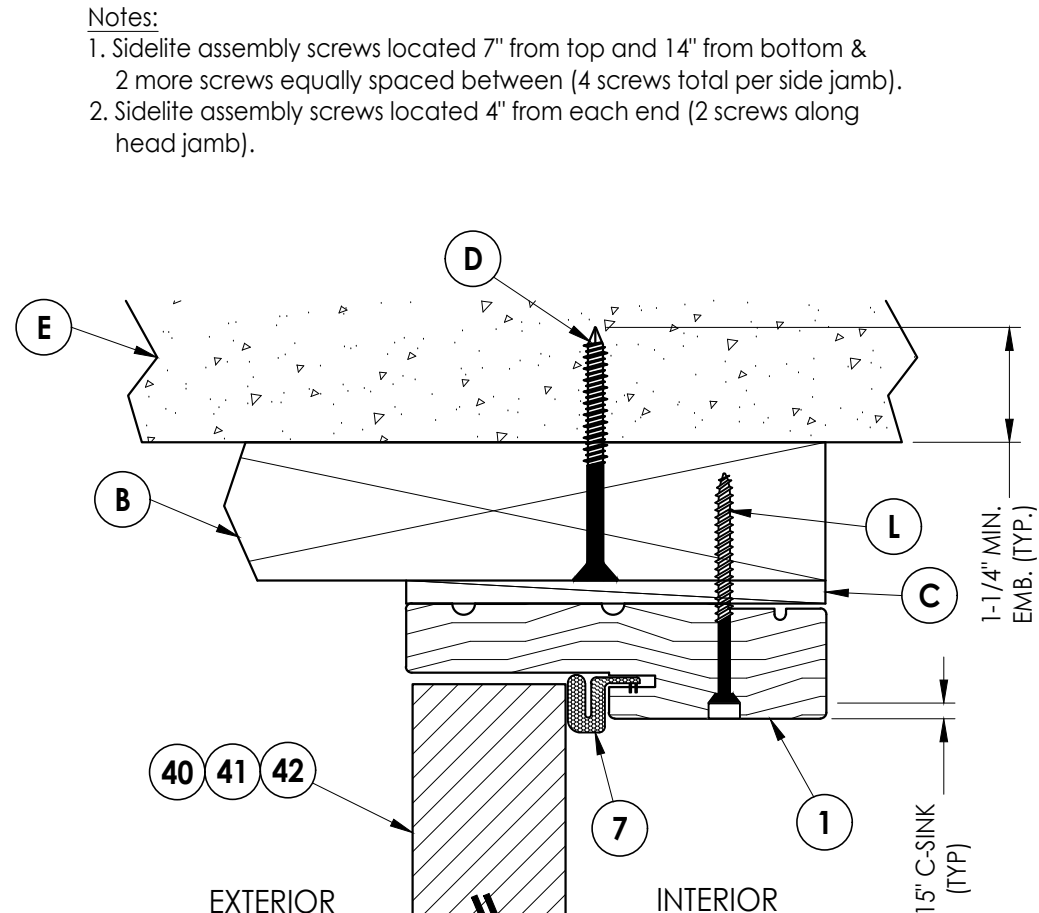
2 **HORIZONTAL CROSS SECTION**
5 Shown w/ 2X Buck
Outswing shown (Inswing similar)



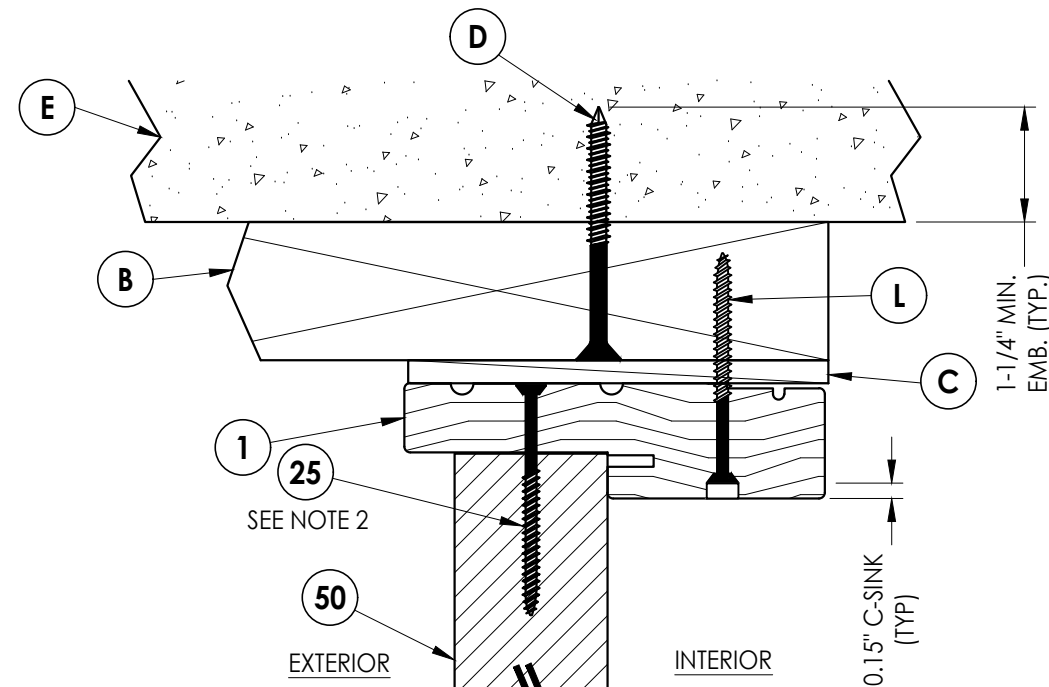
5 **HORIZONTAL CROSS SECTION**
5 Outswing shown (Inswing similar)



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



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



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

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

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PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

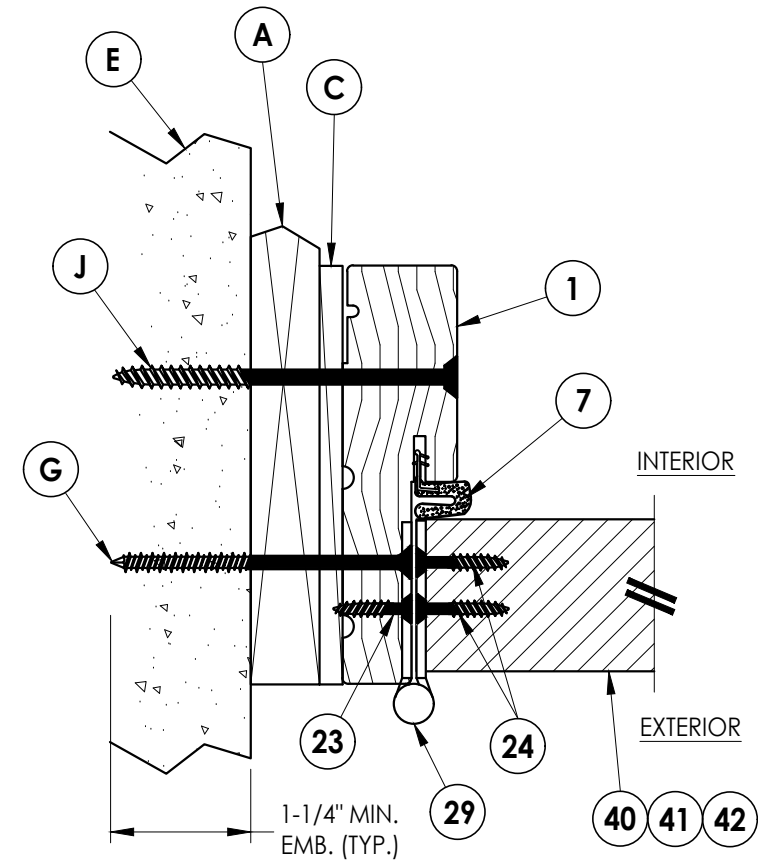
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

NO.	DATE	REVISIONS
2	8/22/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	8/05/20	UPDATE TO 7th ED (2020) FBC LFS

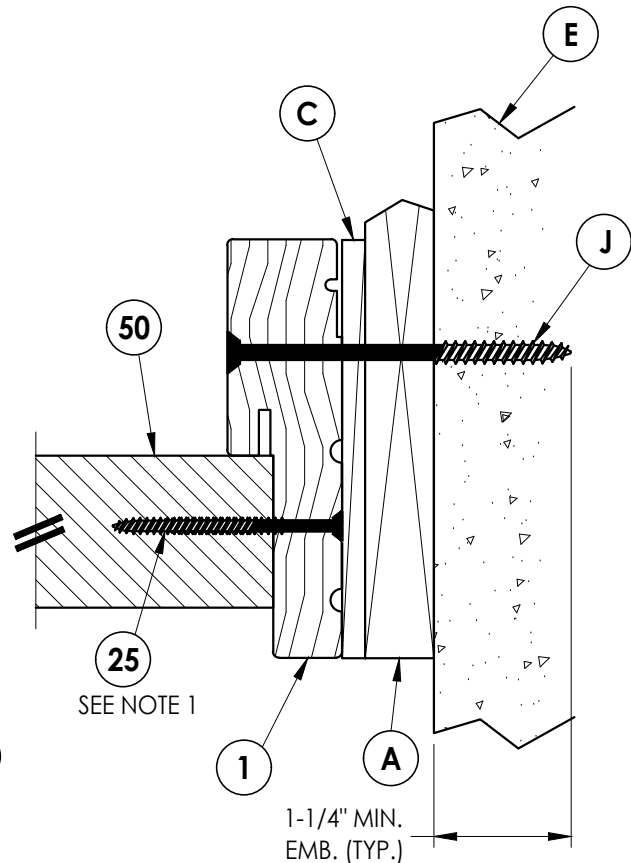
DATE: 3/25/20
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-23955.3
SHEET 5 OF 13

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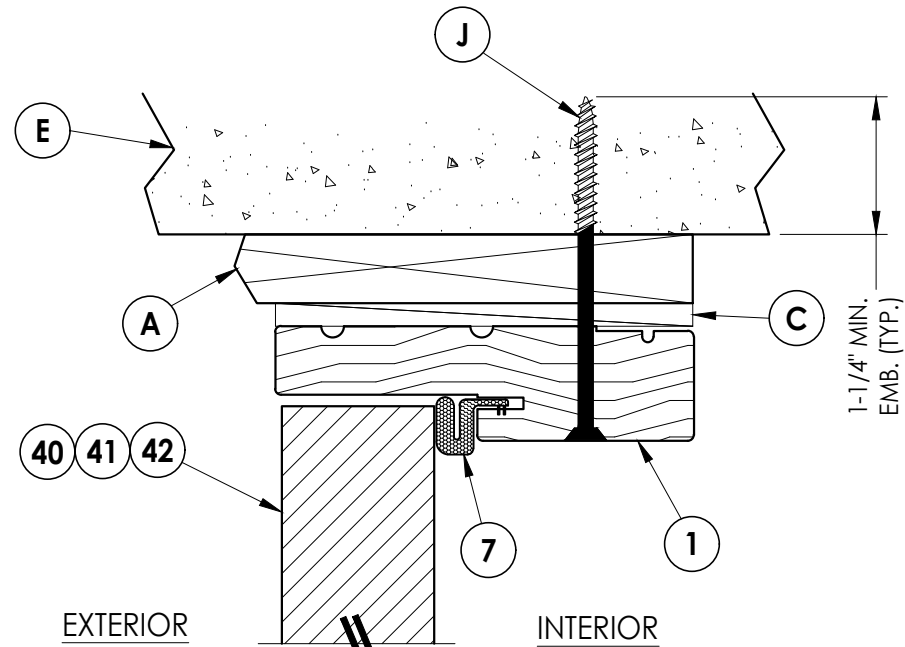
- Notes:
1. Sidelite assembly screws located 7" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
 2. Sidelite assembly screws located 4" from each end (2 screws along head jamb).



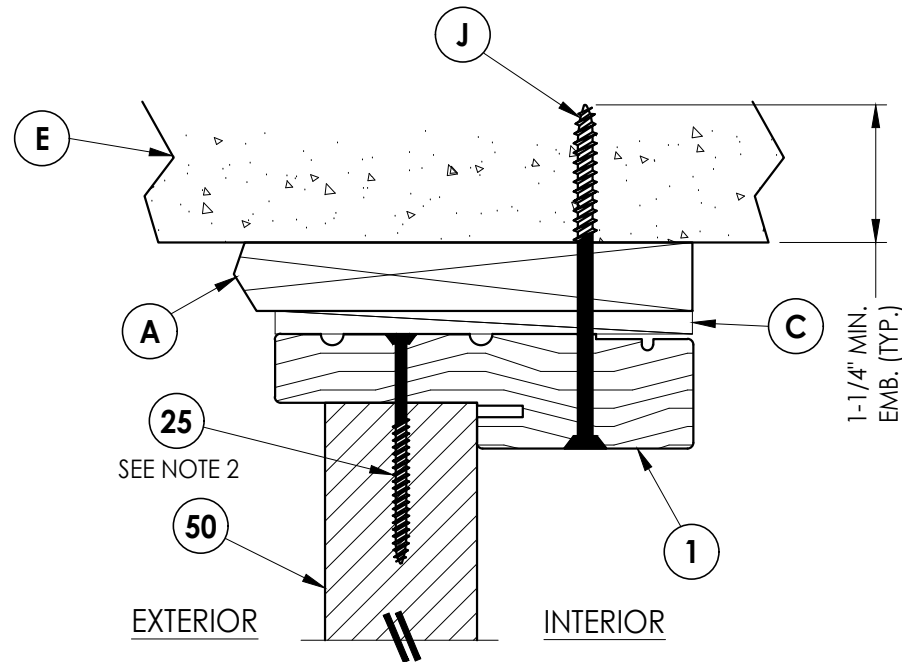
1
6 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



2
6 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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



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

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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 (1X BUCK)

REVISIONS			
NO.	DATE	BY	
2	8/22/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	8/05/20	UPDATE TO 7th ED (2020) FBC	LFS

DATE: 3/25/20

SCALE: N.T.S.

DWG. BY: RW

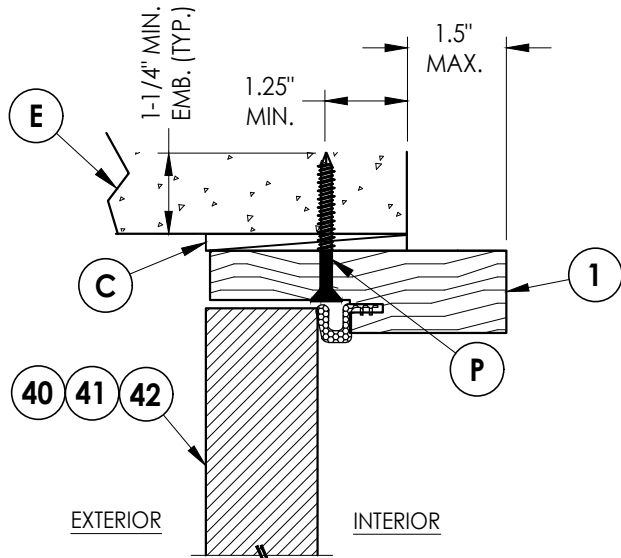
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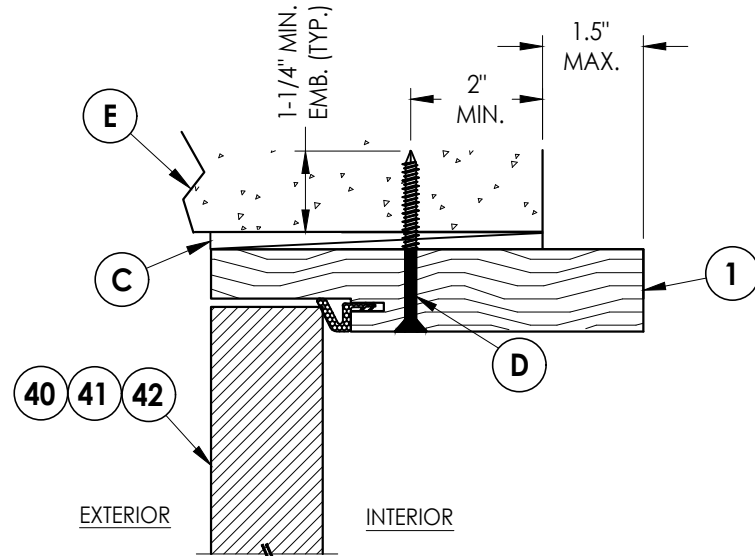
FL-23955.3

SHEET 6 OF 13

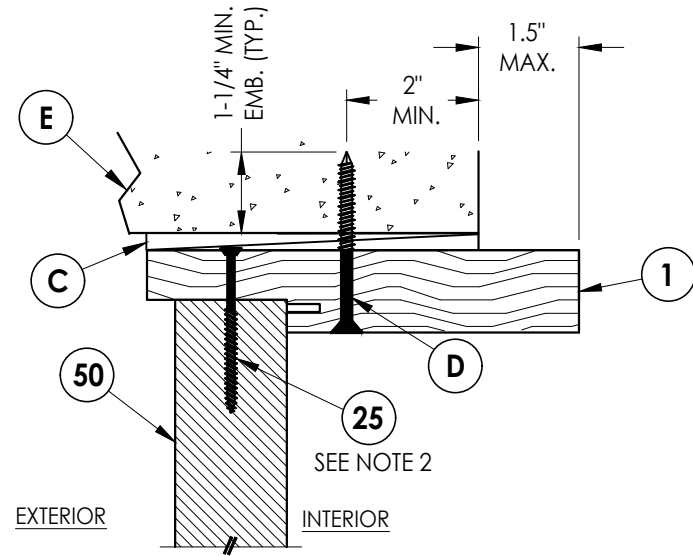
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3
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb
Double Door Only (N/A w/ Sidelites)



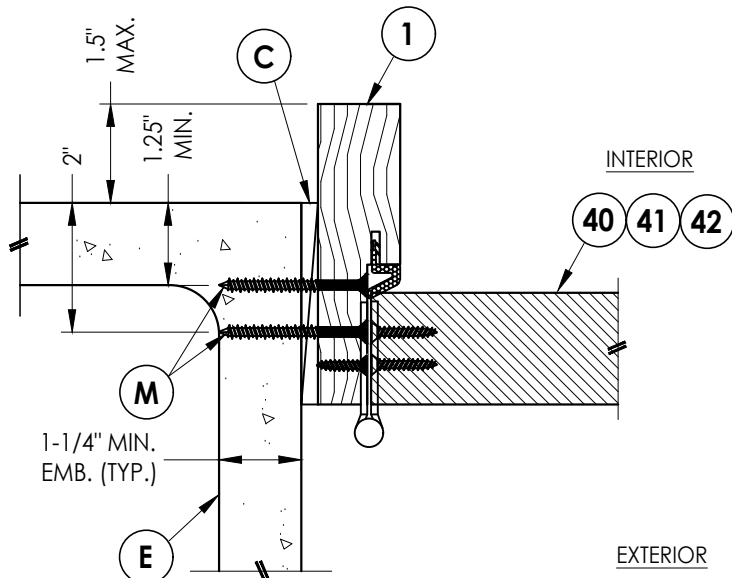
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7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



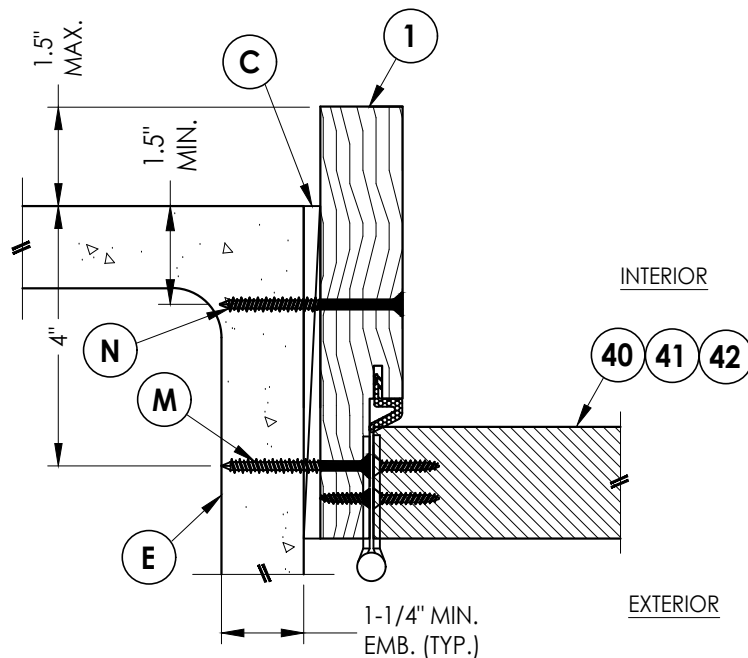
6
7 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

Notes:

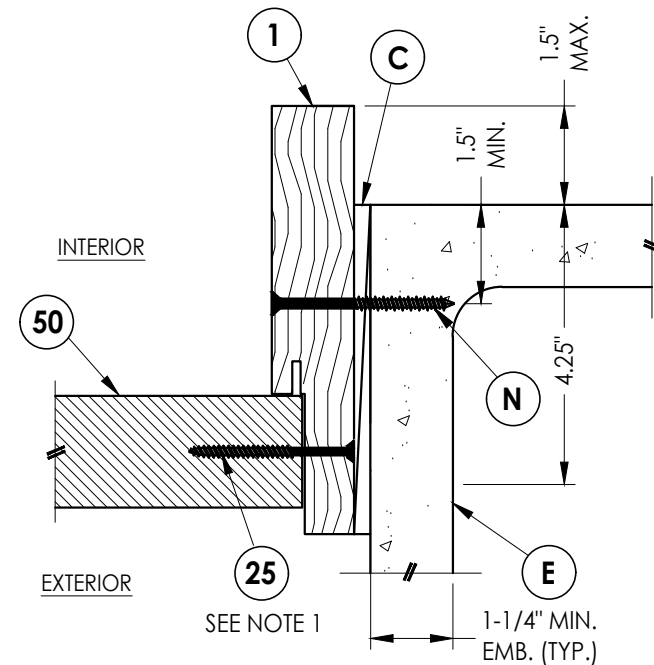
1. Sidelite assembly screws located 7" from top and 14" from bottom & 2 more screws equally spaced between (4 screws total per side jamb).
2. Sidelite assembly screws located 4" from each end (2 screws total along head jamb).



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

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

NO.	DATE	REVISIONS
2	8/22/23	UPDATE TO 8TH ED. (2023) FBC
1	8/05/20	UPDATE TO 7th ED (2020) FBC

DATE: 3/25/20

SCALE: N.T.S.

DWG. BY: RW

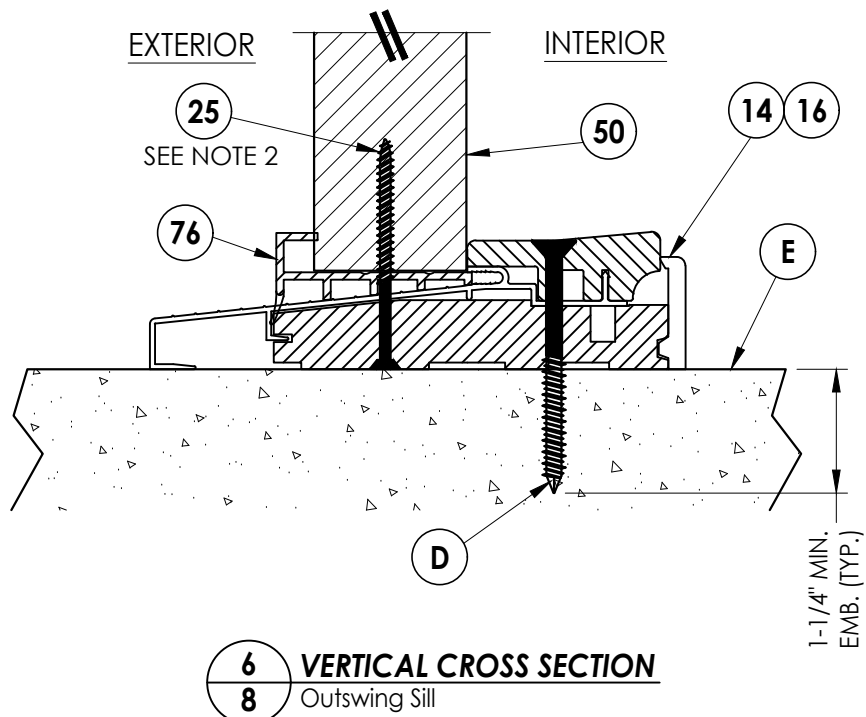
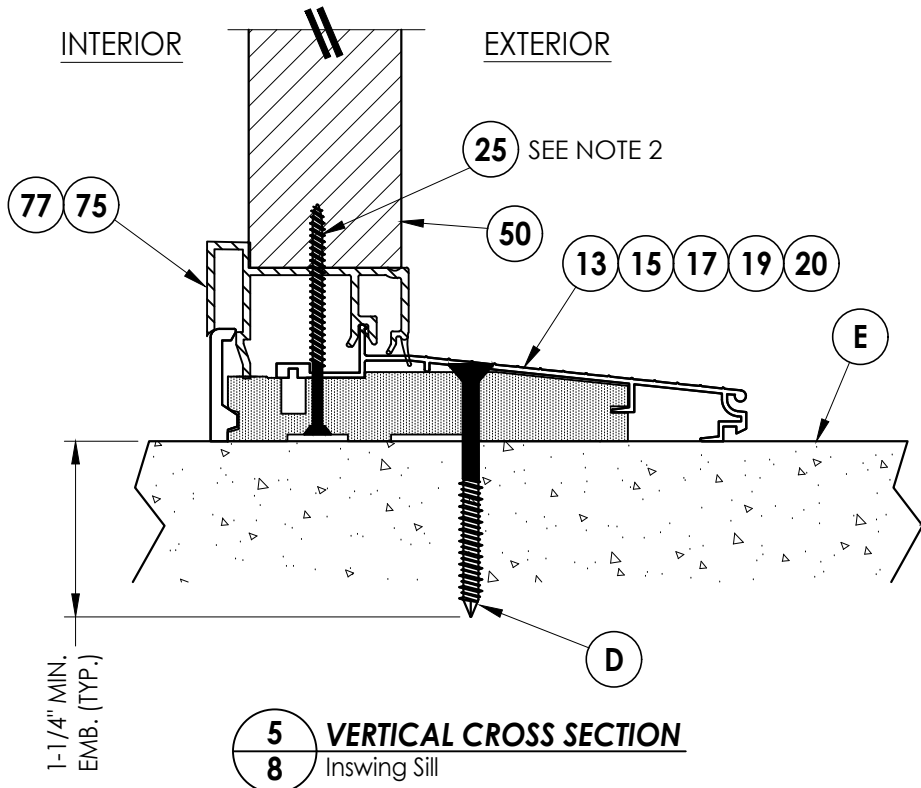
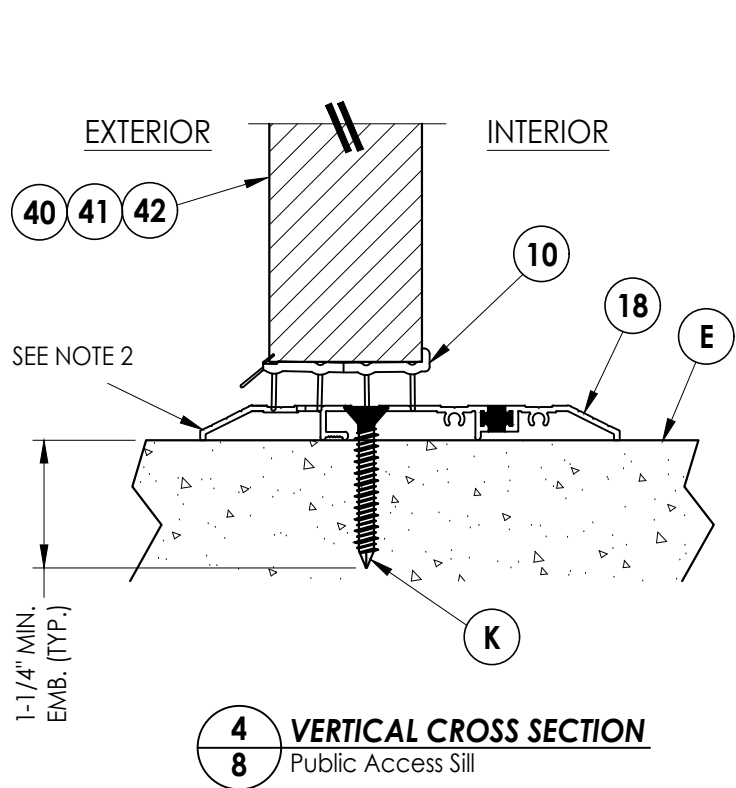
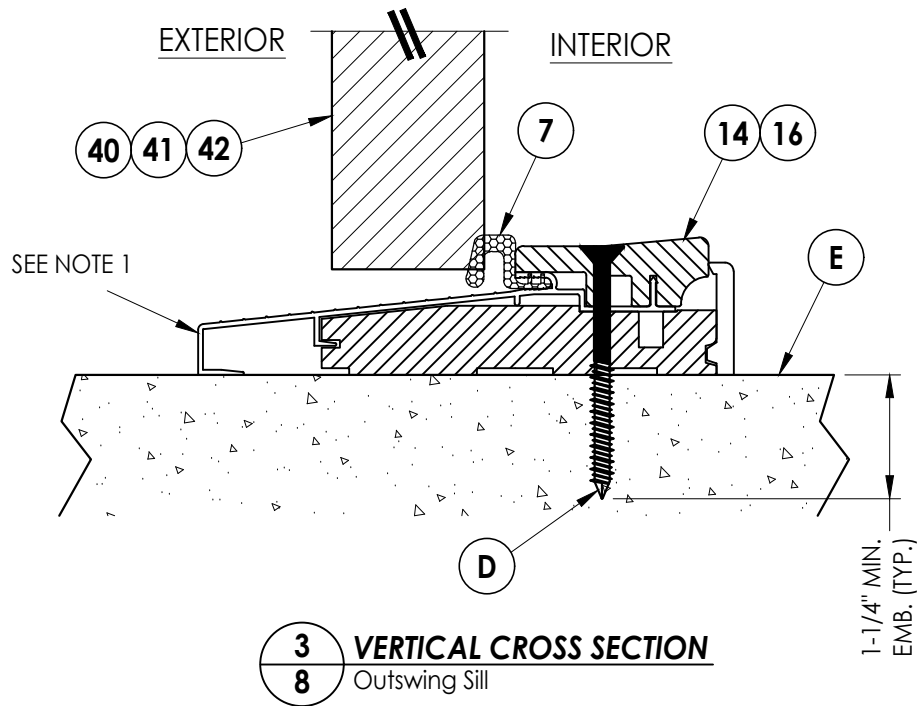
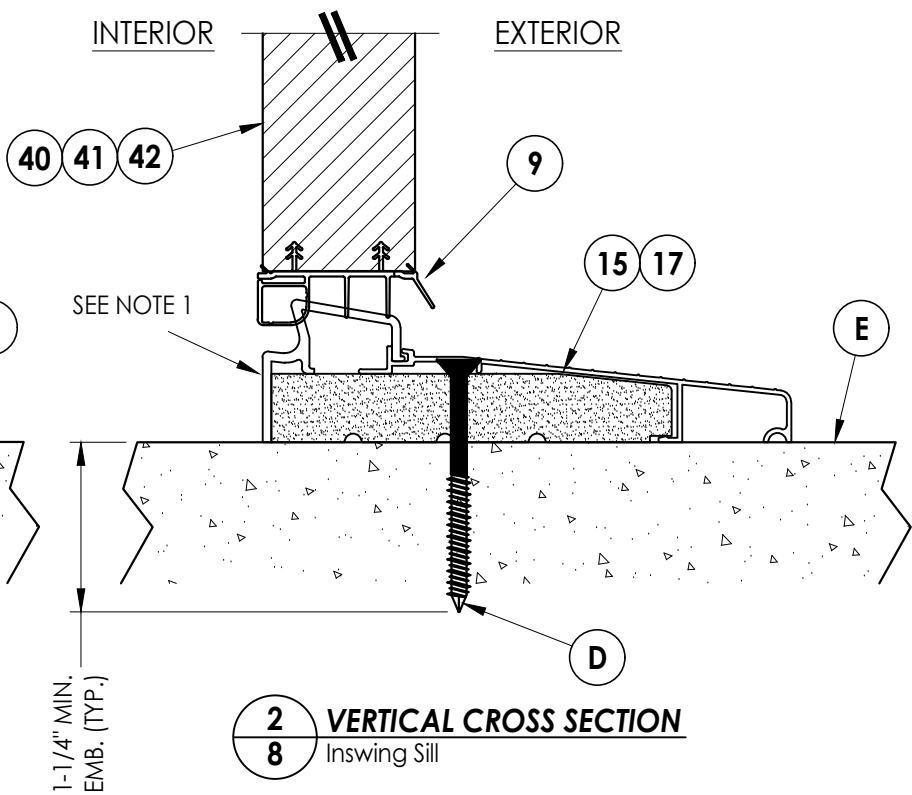
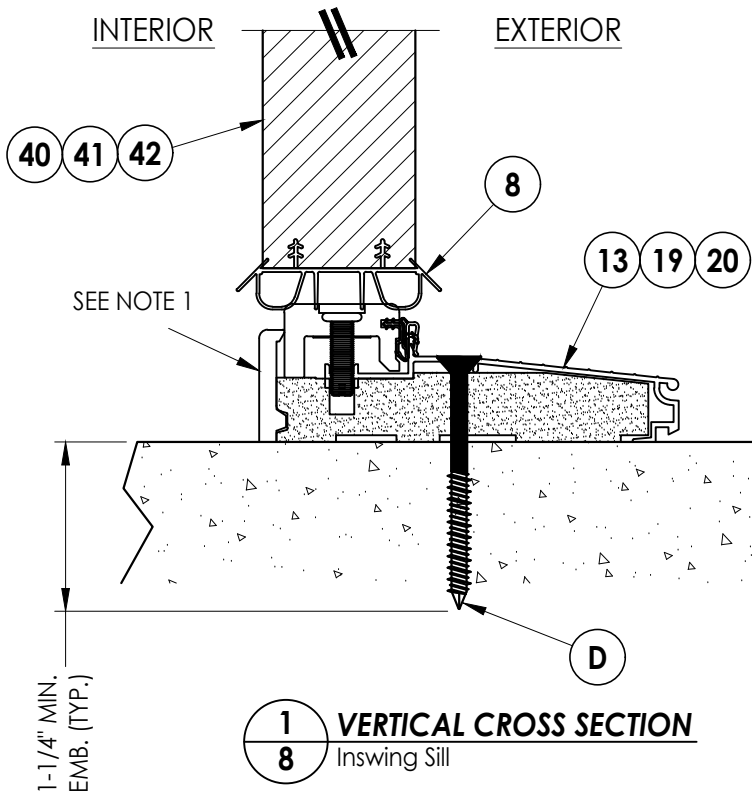
CHK. BY: LFS

DRAWING NO.: FL-23955.3

SHEET 7 OF 13

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- Notes:
- 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 are attached to jambs w/ (2) #8 X 2-1/2" pfh screws at each end.
Sill Item # 18 is attached to jambs utilizing (4) #10 X 1-1/2" pph screws at each end.
 - Sidelite assembly screws located 4" from each end (2 screws total along sill).



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FBPE Registry No. 9813

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

NO.	DATE	REVISIONS		
		LFS	FBC	BY
2	8/22/23	UPDATE TO 8TH ED. (2023)	FBC	
1	8/05/20	UPDATE TO 7th ED (2020)	FBC	

DATE: 3/25/20

SCALE: N.T.S.

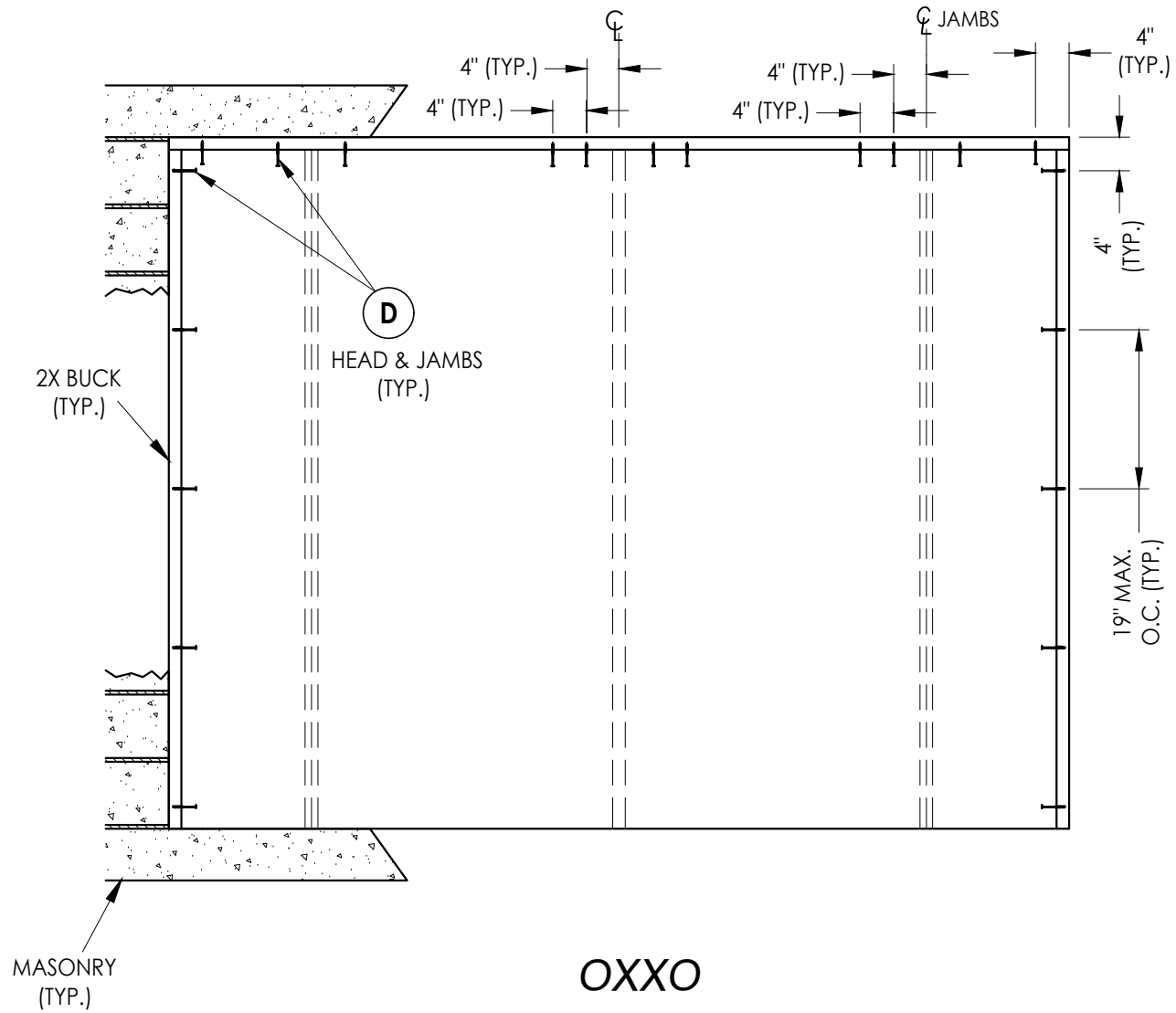
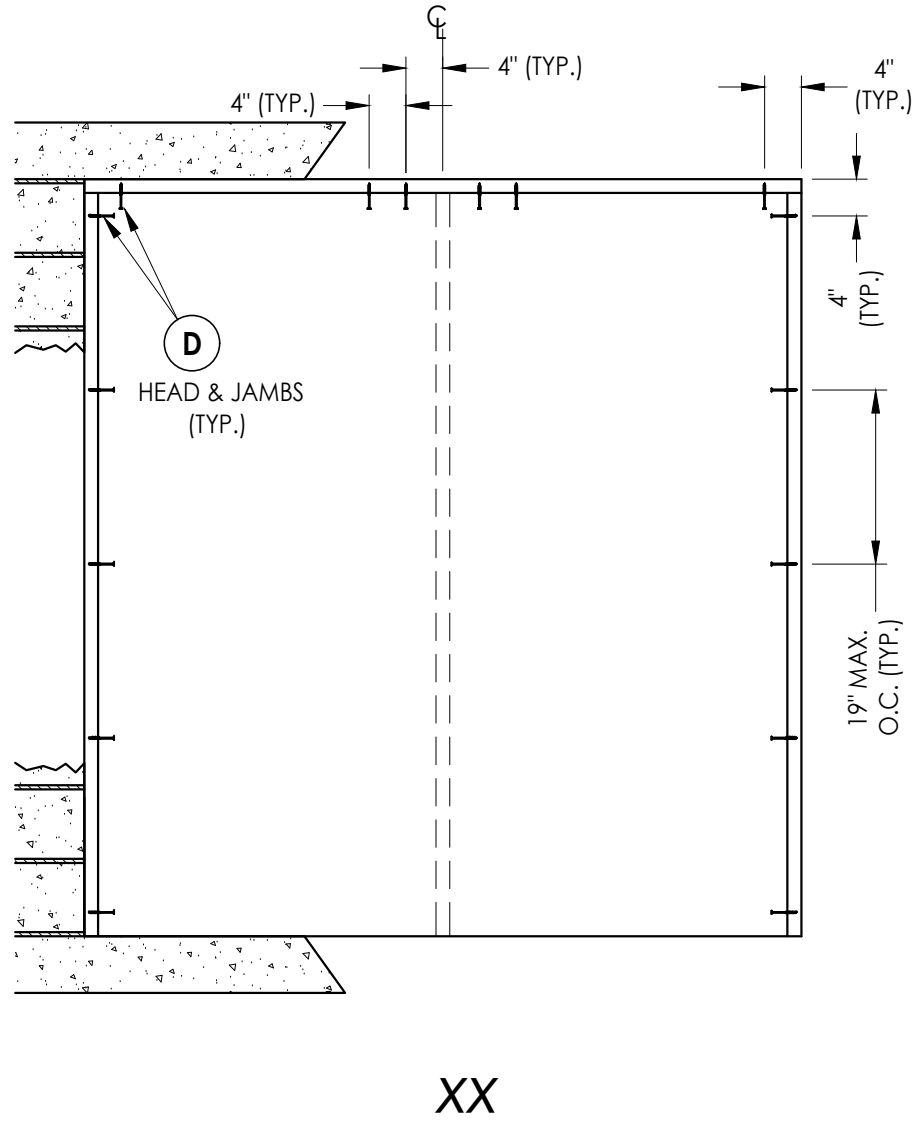
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-23955.3

SHEET 8 OF 13



2X BUCK ANCHORING

[illegible]

PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	BUCK ANCHORING

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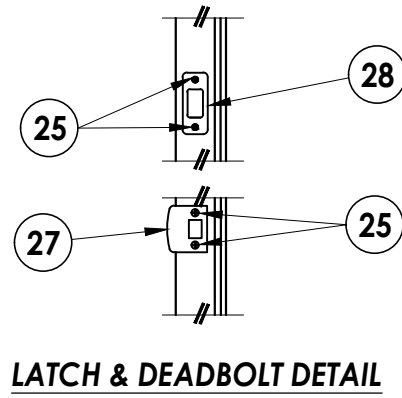
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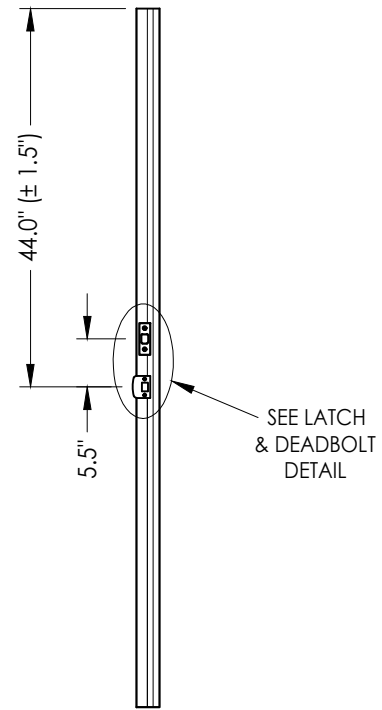
FRAME ANCHORING

PRODUCT:	THERMA-TRU FIBERGLASS DOOR
PART OR ASSEMBLY:	FRAME ANCHORING

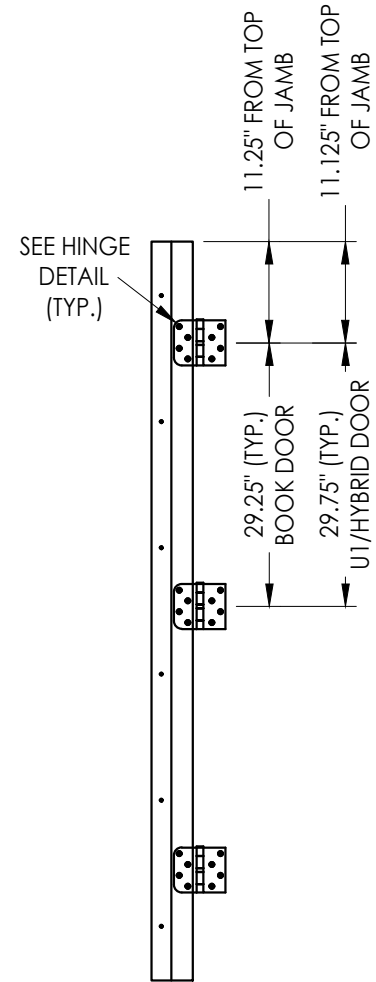
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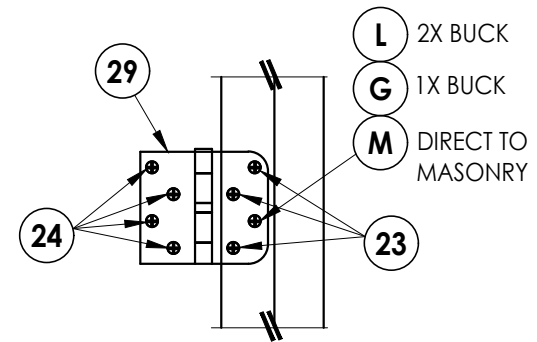
LATCH & DEADBOLT DETAIL



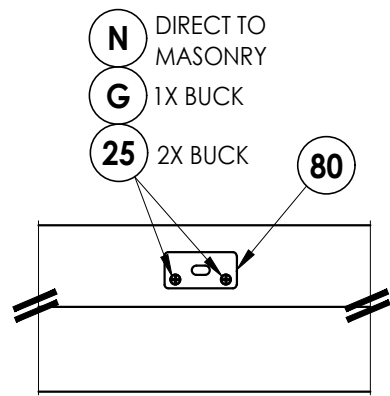
ASTRAGAL
Latch & Deadbolt



HINGE JAMB

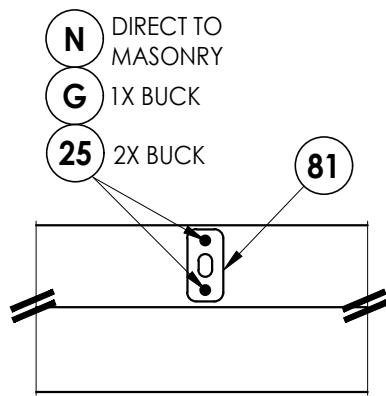


HINGE DETAIL



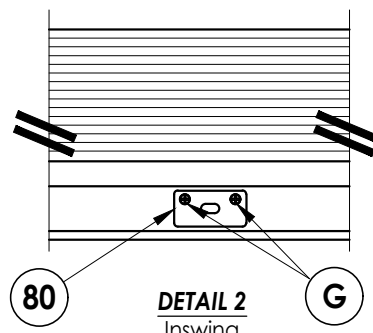
DETAIL 1

Coastal Astragal Strike Plate @ Head



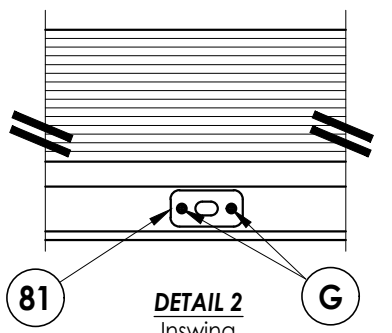
DETAIL 1

Standard Astragal Strike Plate @ Head



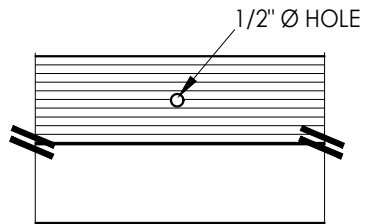
DETAIL 2

Inswing



DETAIL 2

Inswing



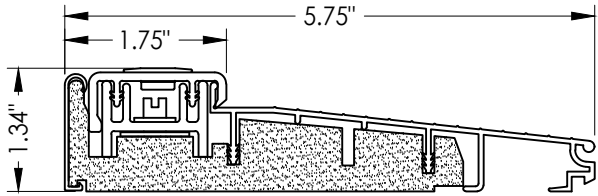
DETAIL 2

Outswing
Astragal Bolt Hole @ Sill

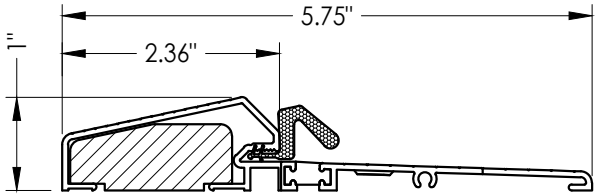
LATCH & DEADBOLT STRIKE DETAILS

[illegible]

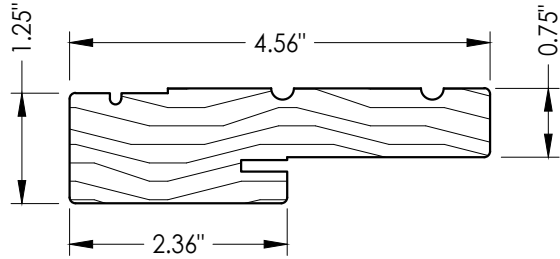
Z:\2023 FBC Drawings\Therma-Tru\FL-23955 R3\FL-23955.1-3.dwg



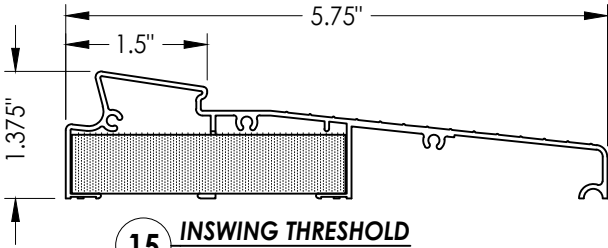
13 **INSWING THRESHOLD**
Adjustable



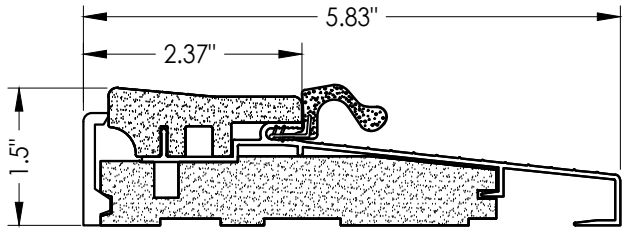
14 **OUTSWING THRESHOLD**



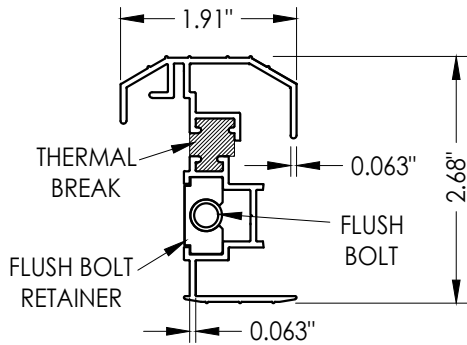
1 **WOOD JAMB**



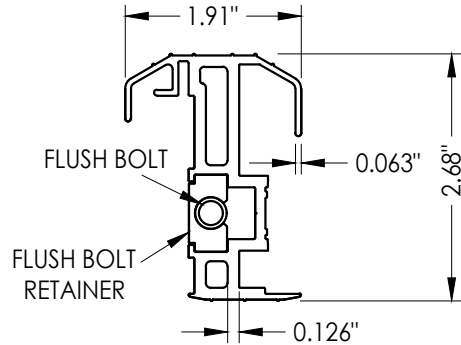
15 **INSWING THRESHOLD**
Moderate Climate



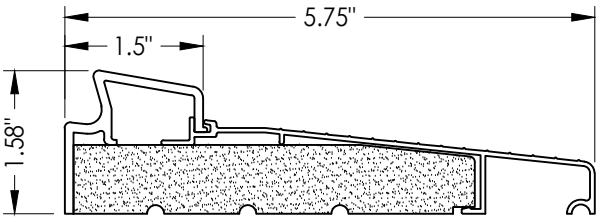
16 **OUTSWING THRESHOLD**



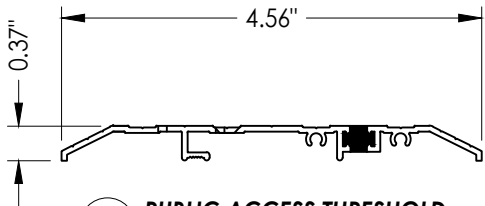
33 **STANDARD ALUMINUM ASTRAGAL**



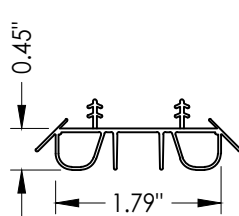
34 **COASTAL ALUMINUM ASTRAGAL**



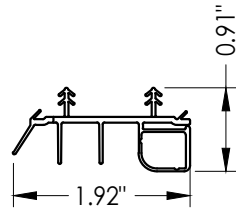
17 **INSWING THRESHOLD**
Basic Fixed



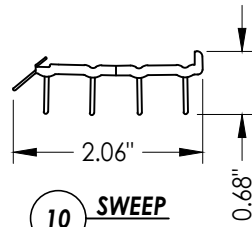
18 **PUBLIC ACCESS THRESHOLD**



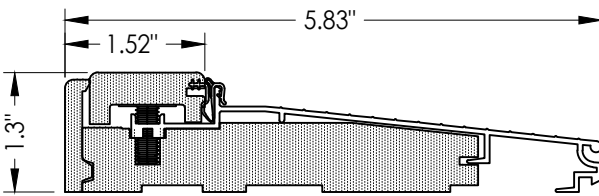
8 **SWEEP**



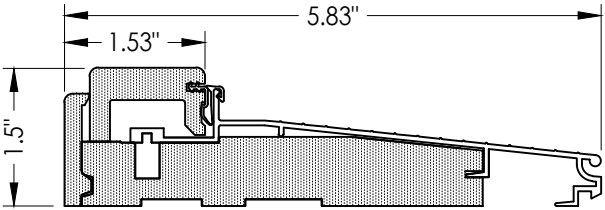
9 **SWEEP**



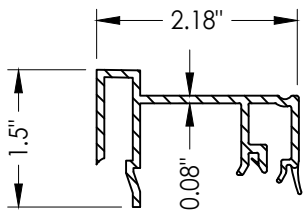
10 **SWEEP**



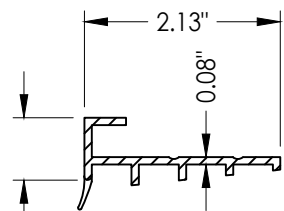
19 **INSWING THRESHOLD**
Adjustable



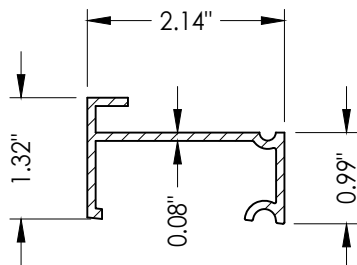
20 **INSWING THRESHOLD**
Adjustable



75 **SIDELITE SPACER**
Inswing



76 **SIDELITE SPACER**
Outswing



77 **INSWING SIDELITE**
Adapter
Moderate Climate Sill

Documents Prepared By:
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		
		BY	LFS	FBC
2	8/22/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	8/05/20	UPDATE TO 7th ED (2020)	FBC	LFS

DATE: 3/25/20

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-23955.3

SHEET 12 OF 13

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
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
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
33	STANDARD ALUMINUM ASTRAGAL	ALUM
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
81	STANDARD ASTRAGAL STRIKE PLATE	STEEL

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: 3/25/20		REVISIONS	
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-23955.3			
SHEET 13 OF 13			
2	8/22/23	UPDATE TO 8TH ED. (2023)	FBC
1	8/05/20	UPDATE TO 7th ED (2020)	FBC
NO.	DATE		BY
PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:		BILL OF MATERIALS	
Documents Prepared By:		<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
Lyndon F. Schmidt P.E. No. 43409			