

THERMA-TRU[®]
DOORS

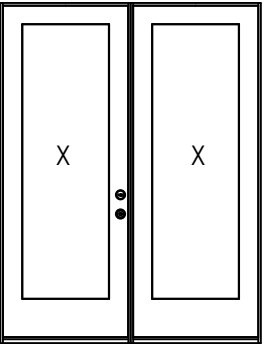
Classic-Craft[®]

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

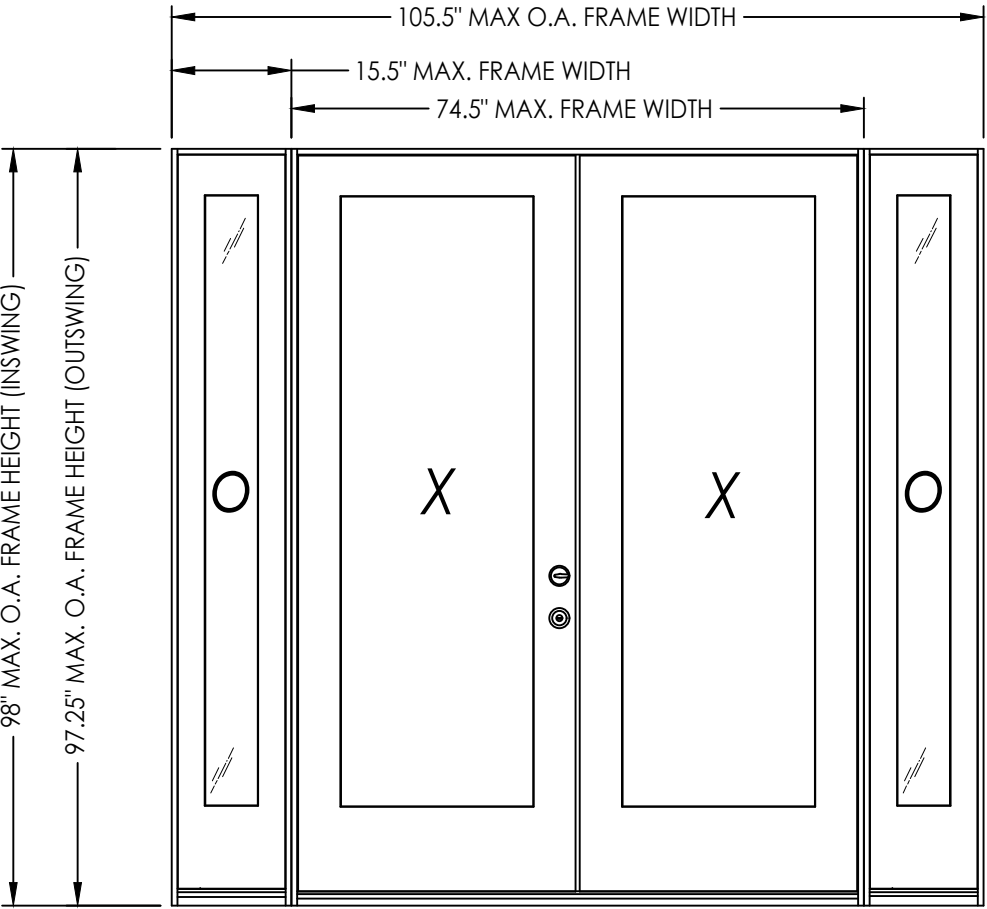
GENERAL NOTES

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.
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.

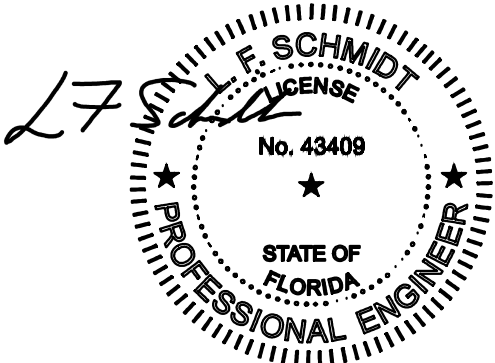
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2	Door Panel Details
3	Sidelite Panel Details
4	Elevations
5	Horizontal Cross Sections (2X Buck)
6	Vertical Cross Sections (2X Buck)
7	Horizontal & Vertical Cross Sections (1X Buck)
8	Vertical Cross Sections (Thresholds)
9	Buck Anchoring
10	Frame Anchoring
11	Hardware Details
12	Bill of Materials and components



XX



CONFIGURATION	LOCK HARDWARE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX, OXXO	Latch & Deadbolt	+50.0	-50.0	+50.0	-50.0
XX, OXXO	Multipoint	+55.0	-60.0	+65.0	-65.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.27 16:26:46 -04'00'

This item has been digitally signed and sealed by
L. F. Schmidt, P.E. on the date adjacent to the seal.
Printed copies of this document are not
considered signed and sealed and the signature
must be verified on any electronic copies.

THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

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

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

2

7/27/23

UPDATE TO 8TH ED. (2023) FBC

LFS

1

7/15/20

UPDATE TO 7th ED (2020) FBC

LFS

NO.

DATE

BY

REVISIONS

DATE: 2/11/19

SCALE: N.T.S.

DWG. BY: MT

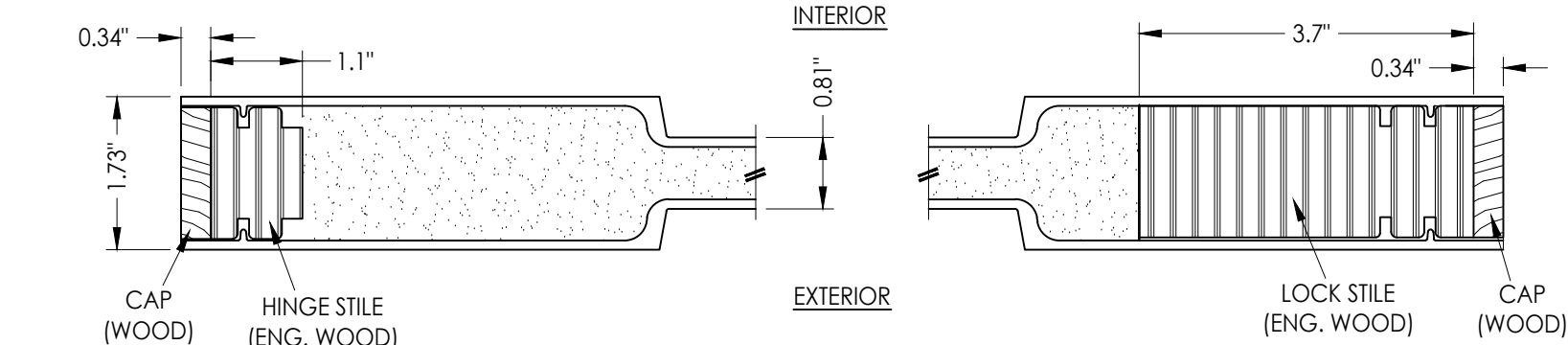
CHK. BY: LFS

DRAWING NO.:
FL-28897.12

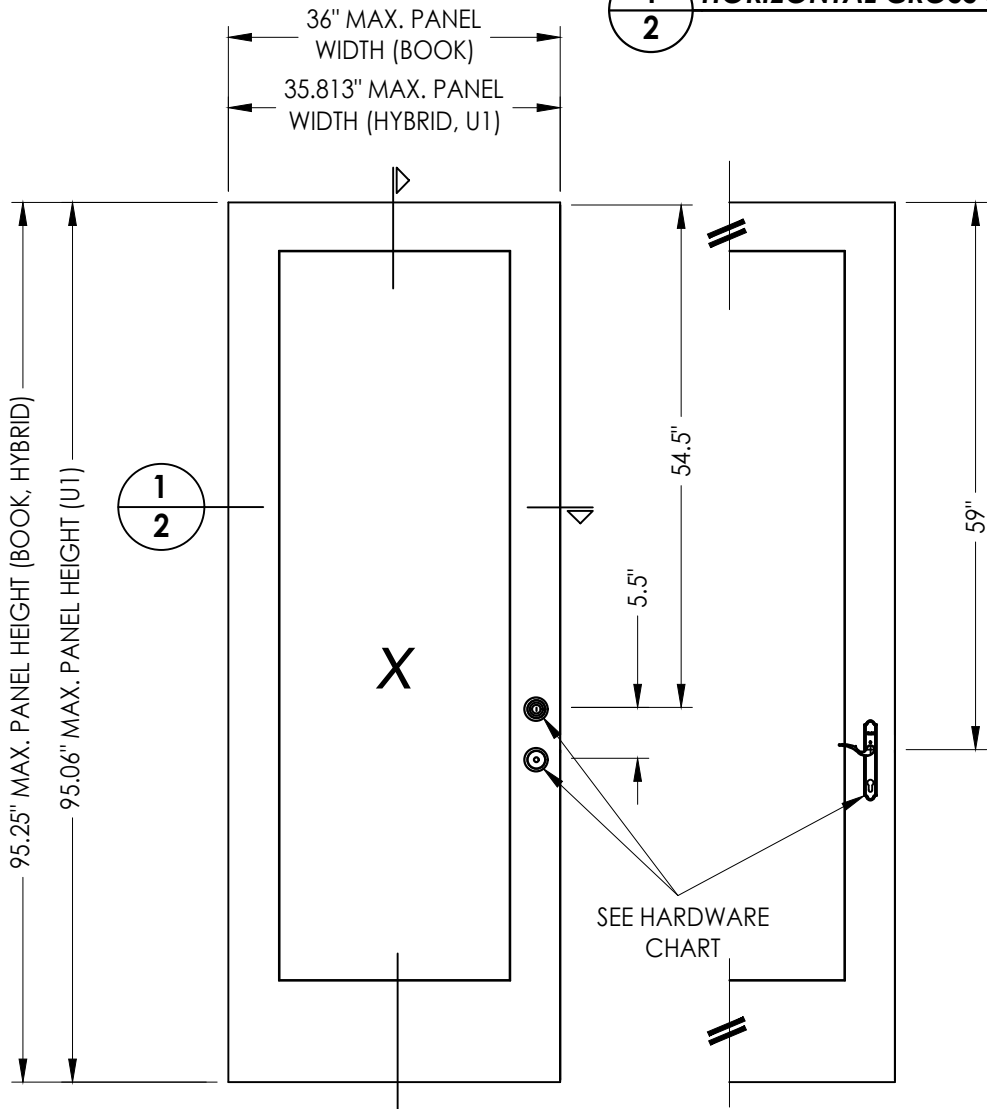
SHEET 1 OF 12

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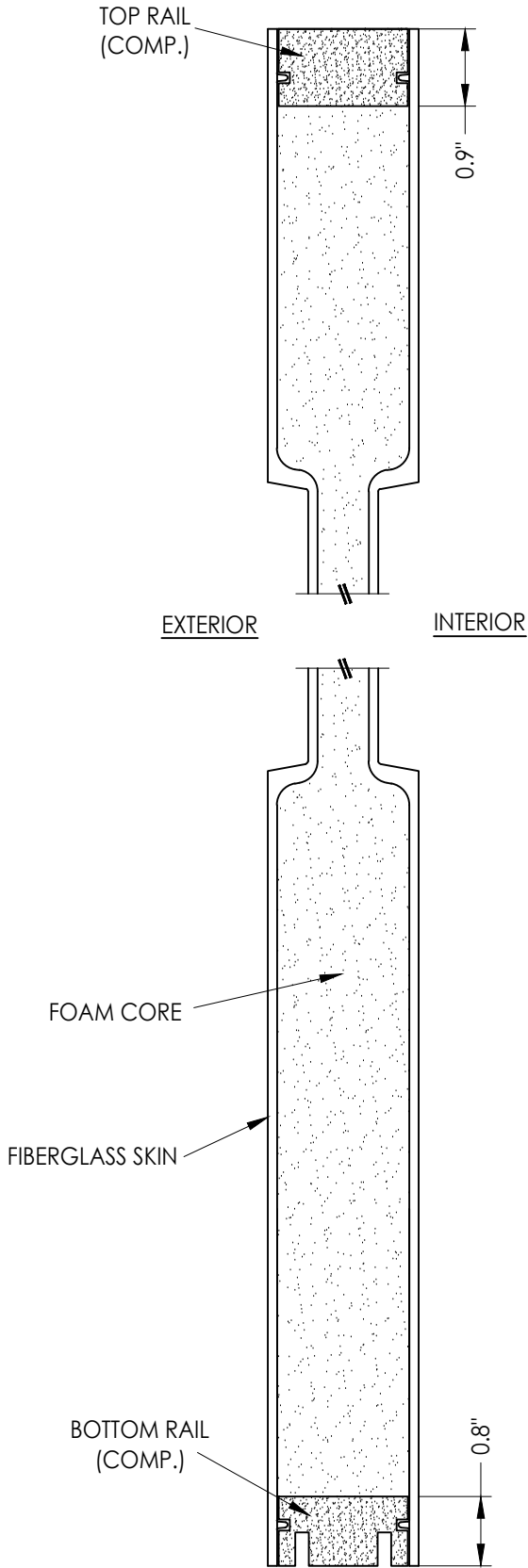
1
2 **HORIZONTAL CROSS SECTION**



2
2 **DOOR PANEL**
Classic-Craft Shaker

FIBERGLASS SKIN: 0.140" MIN. THICKNESS
FOAM CORE: POLYURETHANE (1.9 PCF)

HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	Knob:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)
SCHLAGE	Knob:	F SERIES (F10)
	DEADBOLT:	B SERIES (B60)
HOPPE (Therma-Tru)	MULTIPOINT LOCK:	MPDGSB (3 pt. Manual Shootbolt)



2
2 **VERTICAL CROSS SECTION**

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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: DOOR PANEL DETAILS		

NO.	DATE	REVISIONS		
		LFS	FBC	BY
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	
1	7/15/20	UPDATE TO 7th ED (2020)	FBC	

DATE: 2/11/19

SCALE: N.T.S.

DWG. BY: MT

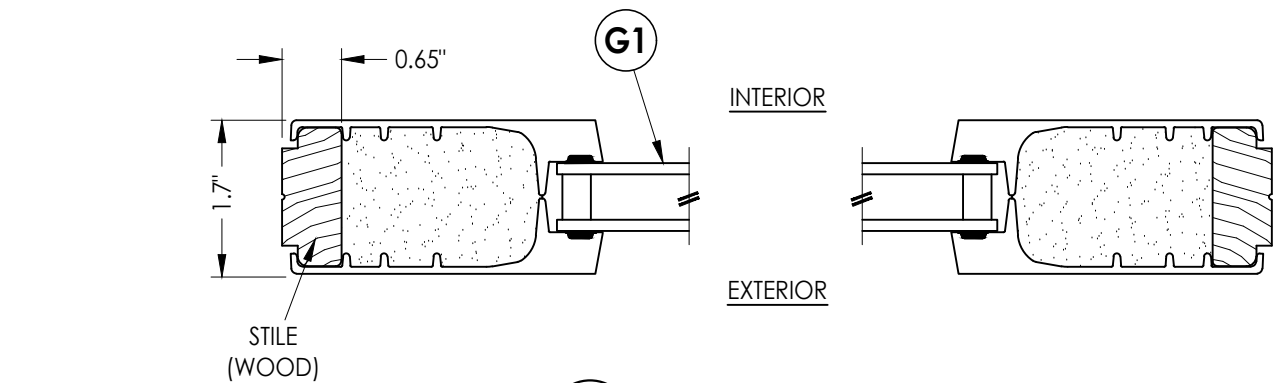
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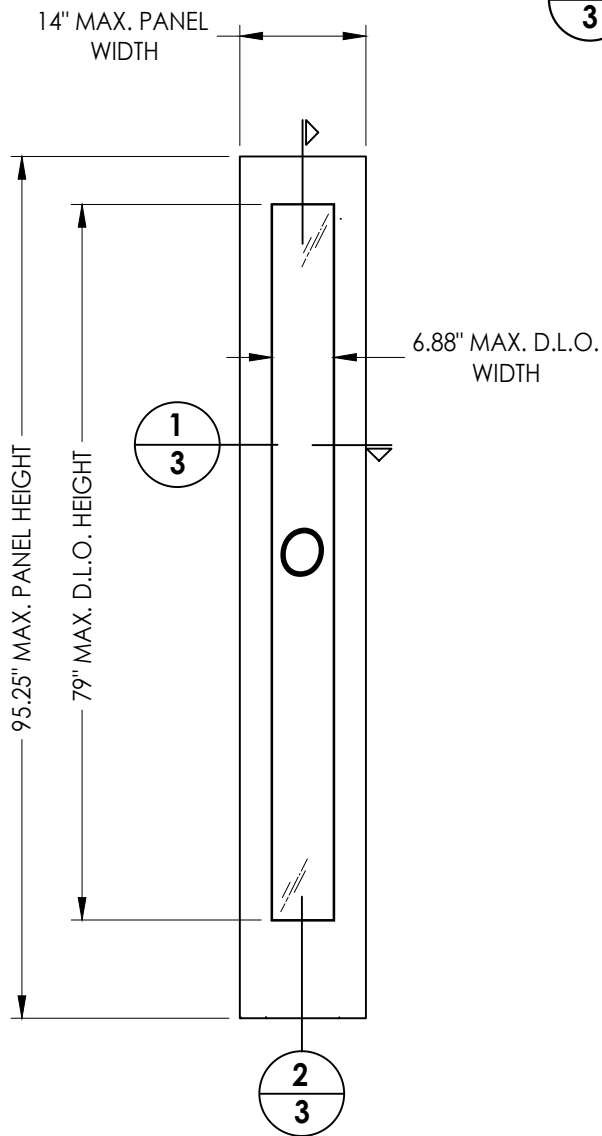
FL-28897.12

SHEET 2 OF 12

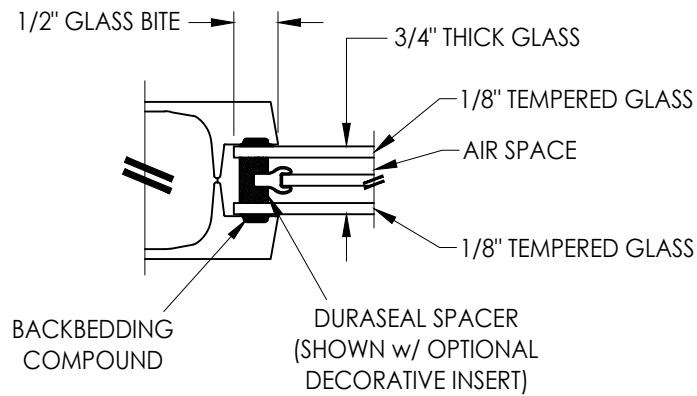
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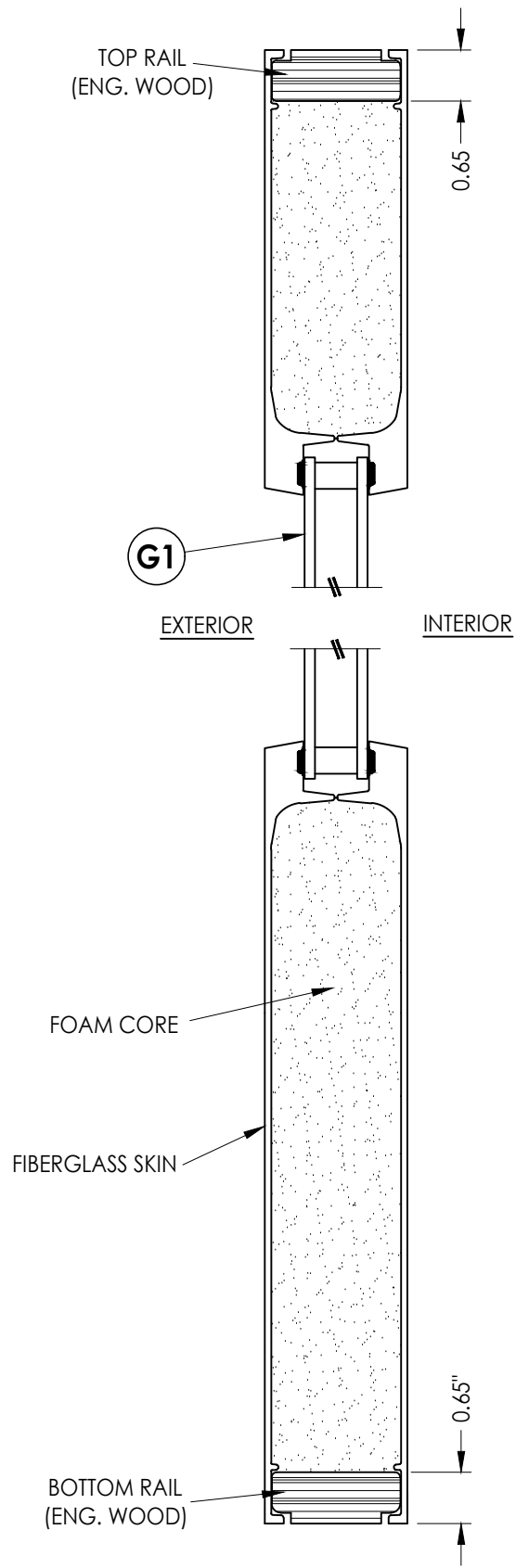
1
3 **HORIZONTAL CROSS SECTION**



50 **SIDELITE PANEL**
Classic-Craft Shaker



G1 **GLAZING DETAIL**
Flush Glazing



2
3 **VERTICAL CROSS SECTION**

FIBERGLASS SKIN: 0.09" MIN. THICKNESS
FOAM CORE: POLYURETHANE (1.9 PCF)

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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:		SIDELITE PANEL DETAILS		
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	7/15/20	UPDATE TO 7th ED (2020)	FBC	LFS
NO.	DATE	BY		
		REVISIONS		

DATE: 2/11/19

SCALE: N.T.S.

DWG. BY: MT

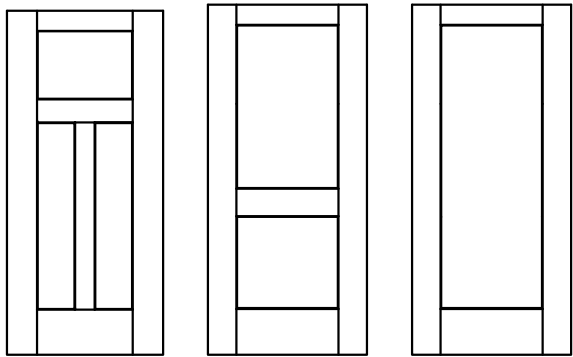
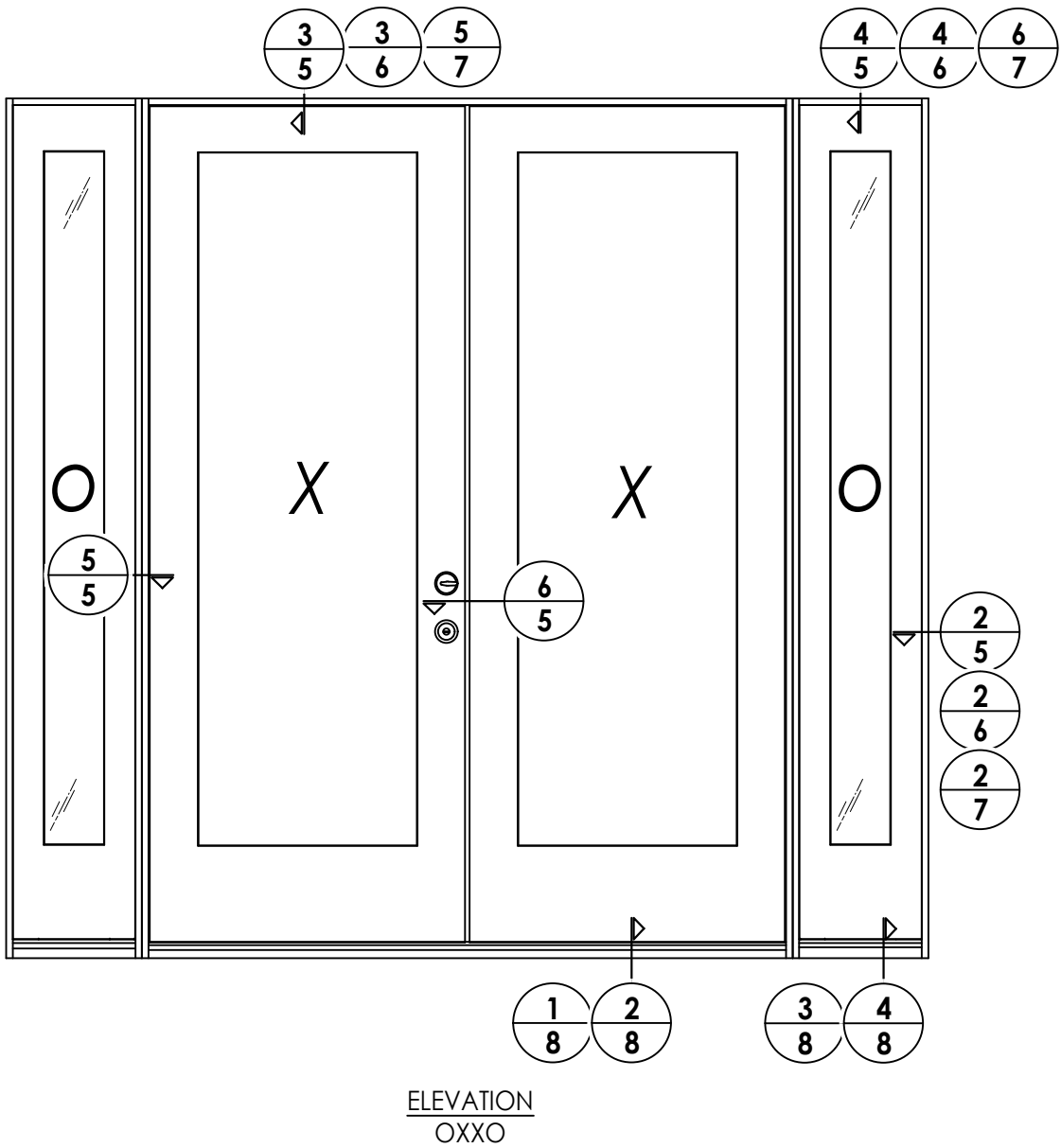
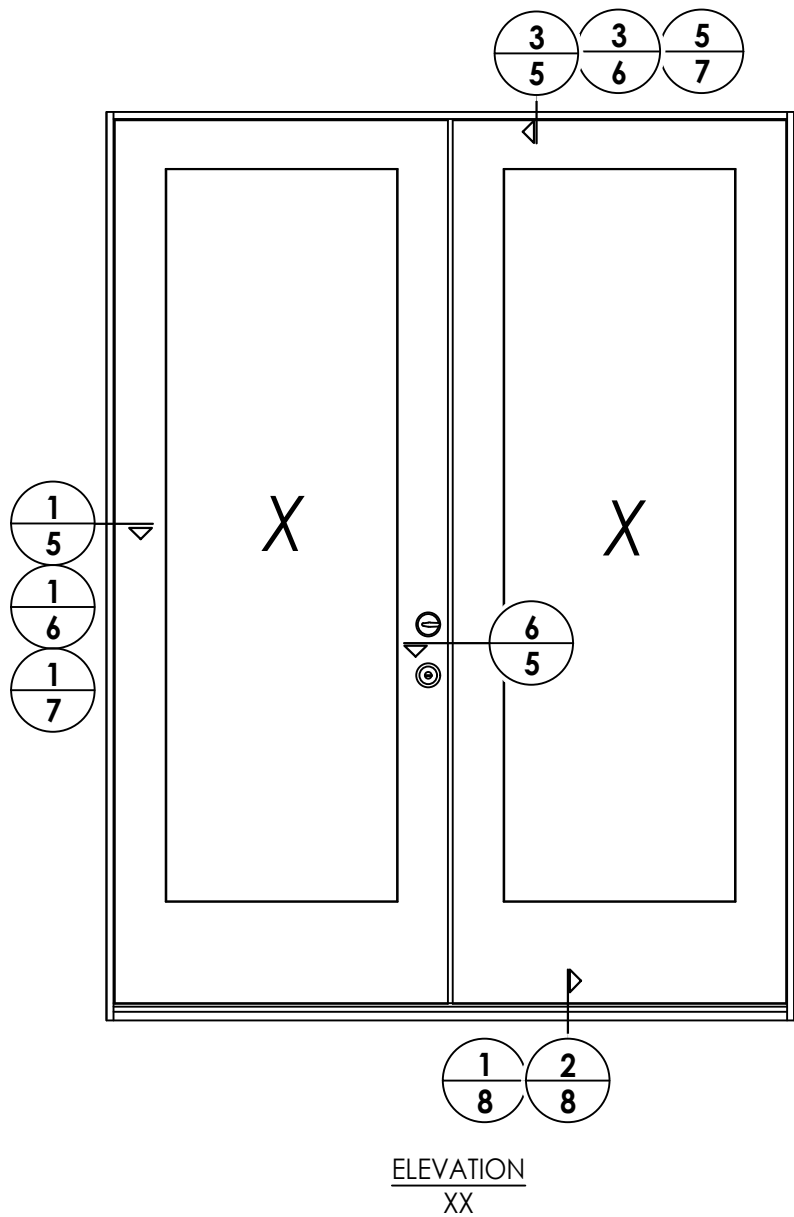
CHK. BY: LFS

DRAWING NO.:

FL-28897.12

SHEET 3 OF 12

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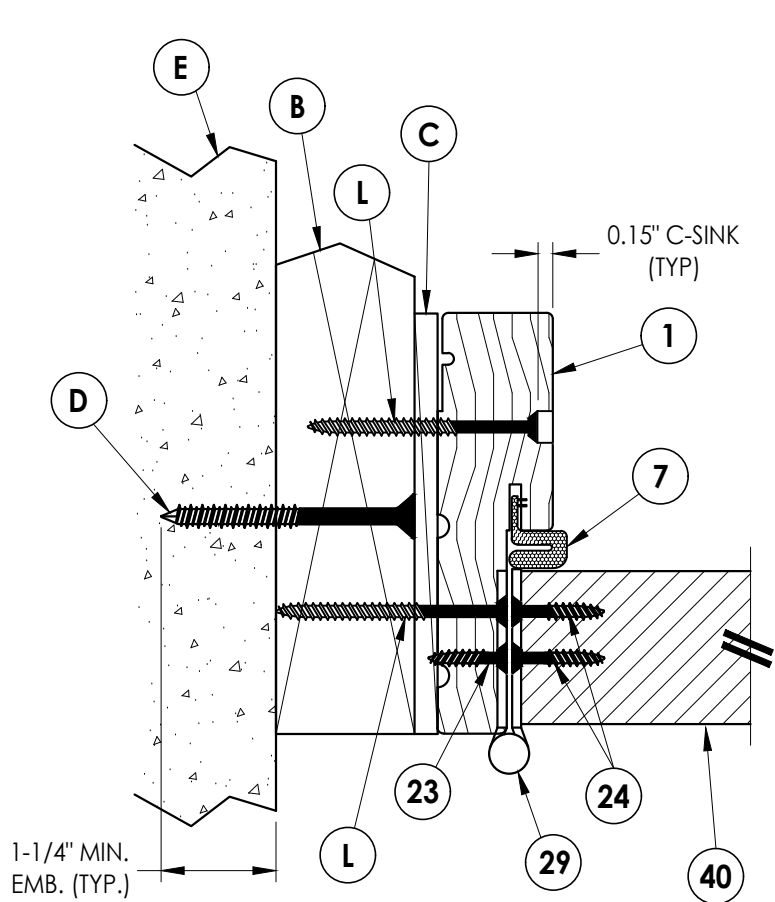


Classic-Craft Shaker Door Panel Options

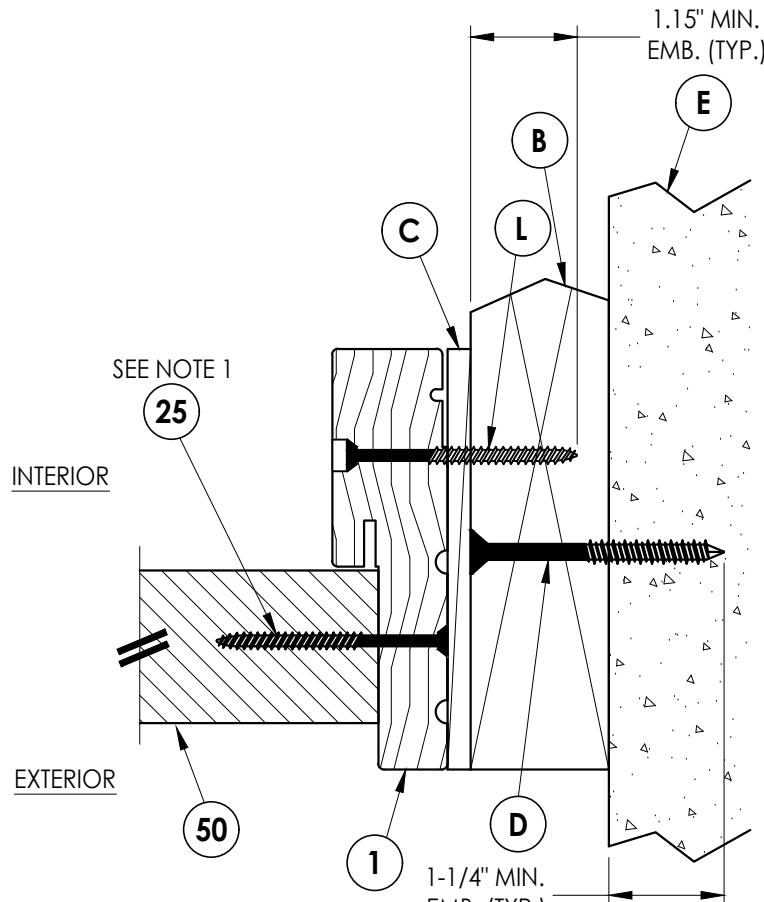
Panel options shown are for illustration and are representative only
(similar opaque panel configurations are allowed)

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PRODUCT: THERMA-TRU FIBERGLASS DOOR				PART OR ASSEMBLY: ELEVATIONS			
				2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC
				1	7/15/20	UPDATE TO 7th ED (2020)	FBC
				NO.	DATE		BY
				REVISIONS			
DATE: 2/11/19							
SCALE: N.T.S.							
DWG. BY: MT							
CHK. BY: LFS							
DRAWING NO.: FL-28897.12							
SHEET 4 OF 12							

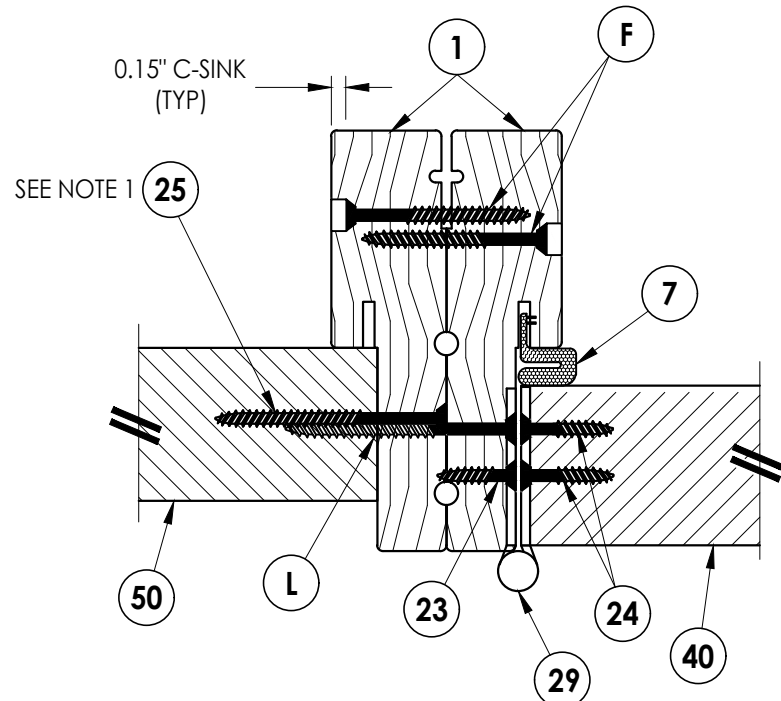
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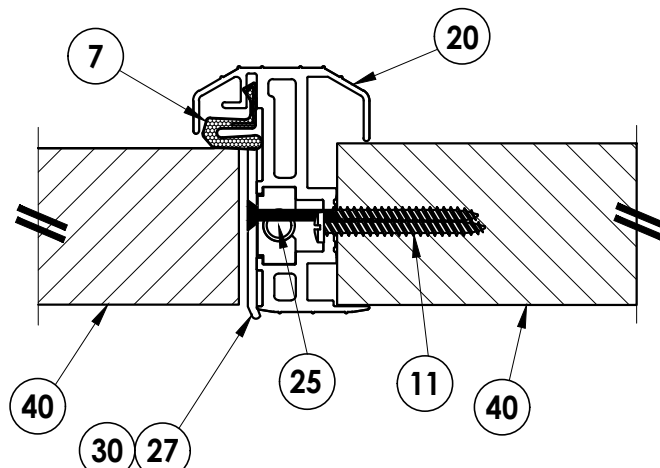
1
5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



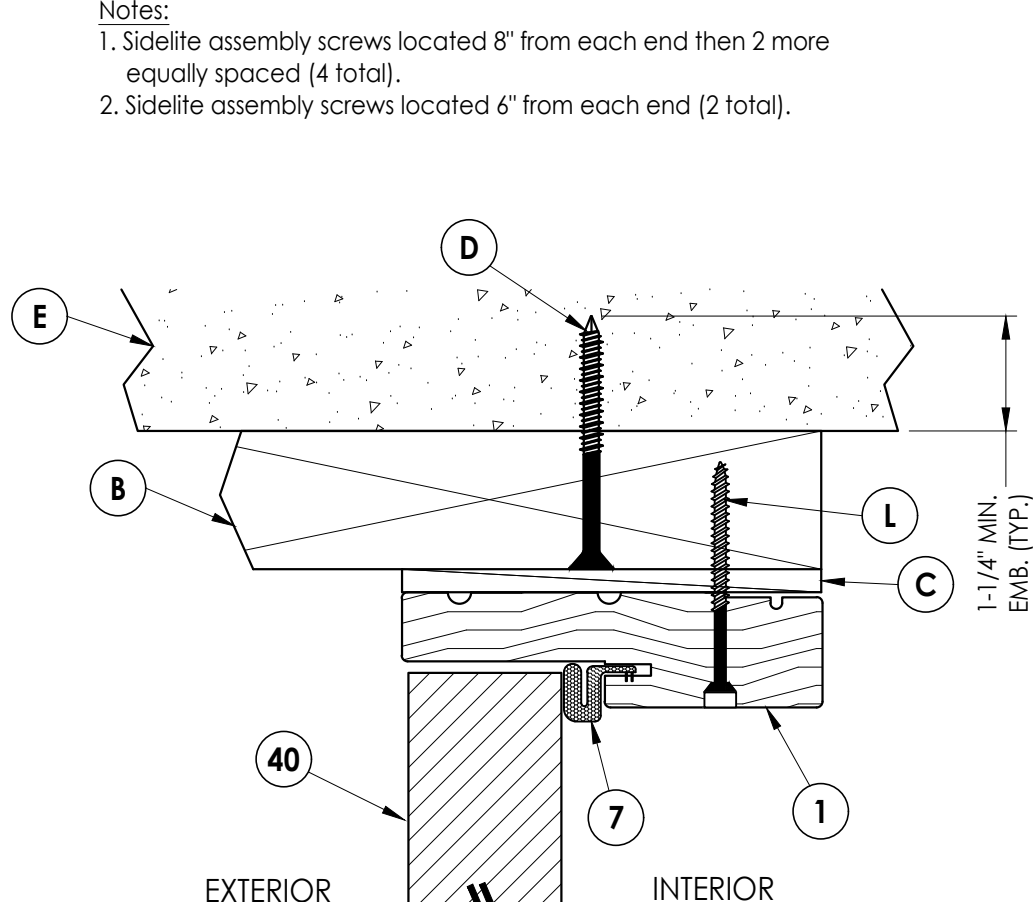
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5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



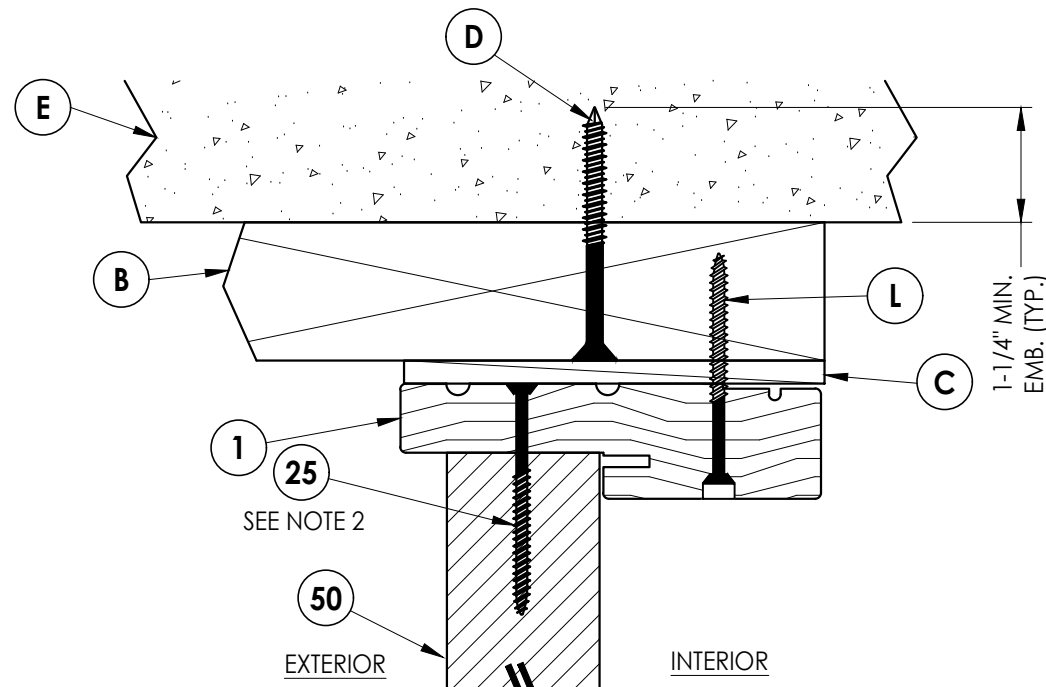
5
5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)



6
5 **HORIZONTAL CROSS SECTION**
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)

- Notes:
1. Sidelite assembly screws located 8" from each end then 2 more equally spaced (4 total).
 2. Sidelite assembly screws located 6" from each end (2 total).

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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 (2X BUCK)

REVISIONS		NO.	DATE	BY
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC	LFS
1	7/15/20	UPDATE TO 7th ED (2020)	FBC	LFS

DATE: 2/11/19

SCALE: N.T.S.

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CHK. BY: LFS

DRAWING NO.:

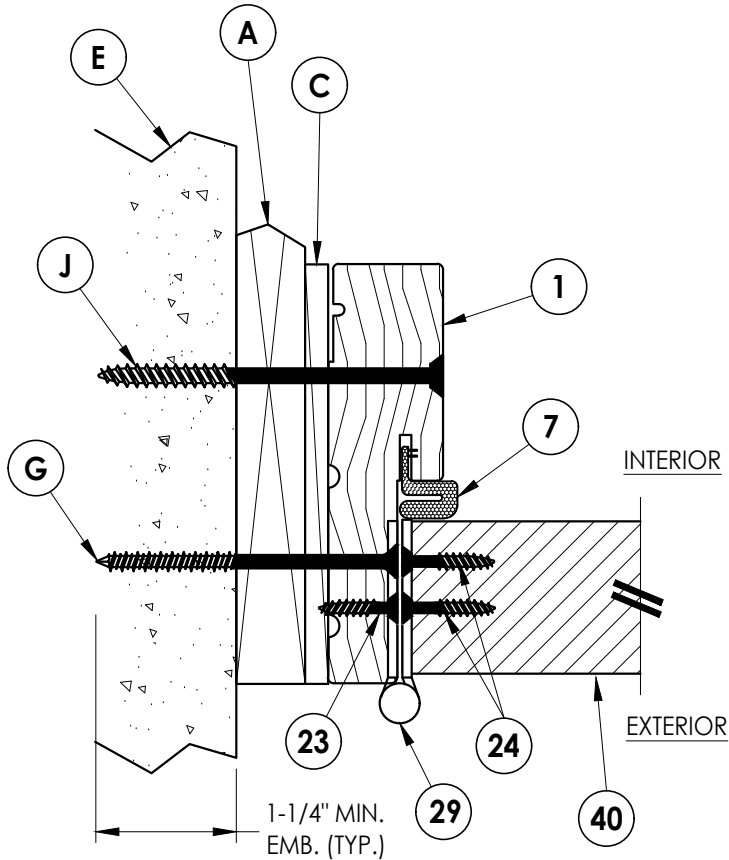
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SHEET 5 OF 12

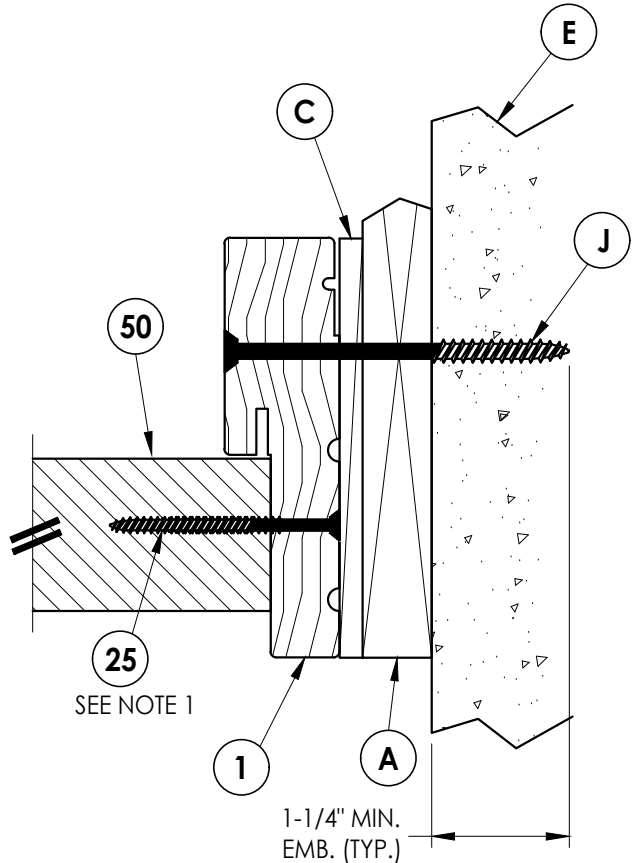
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Notes:

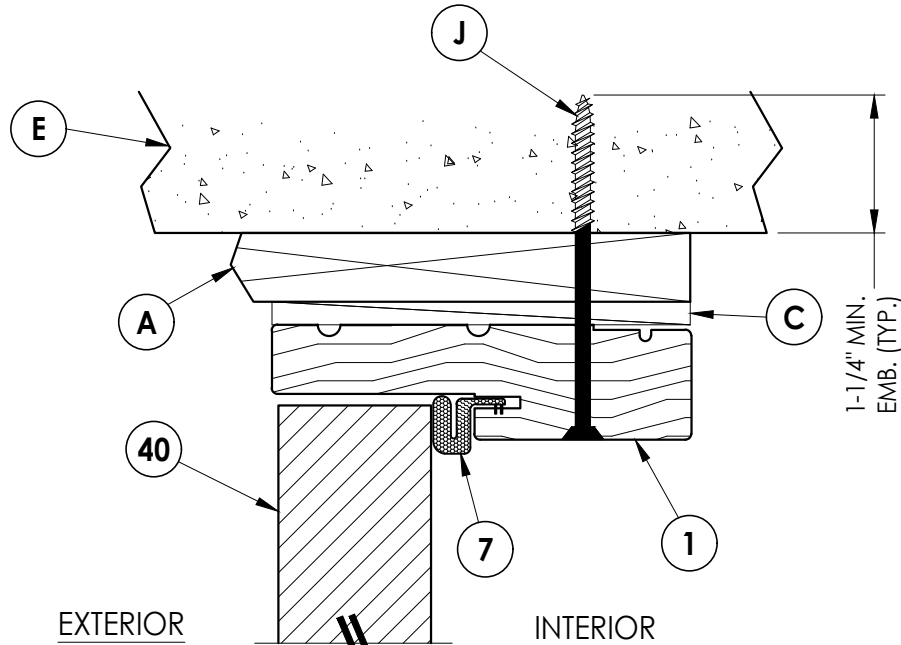
1. Sidelite assembly screws located 8" from each end then 2 more equally spaced (4 total).
2. Sidelite assembly screws located 6" from each end (2 total).



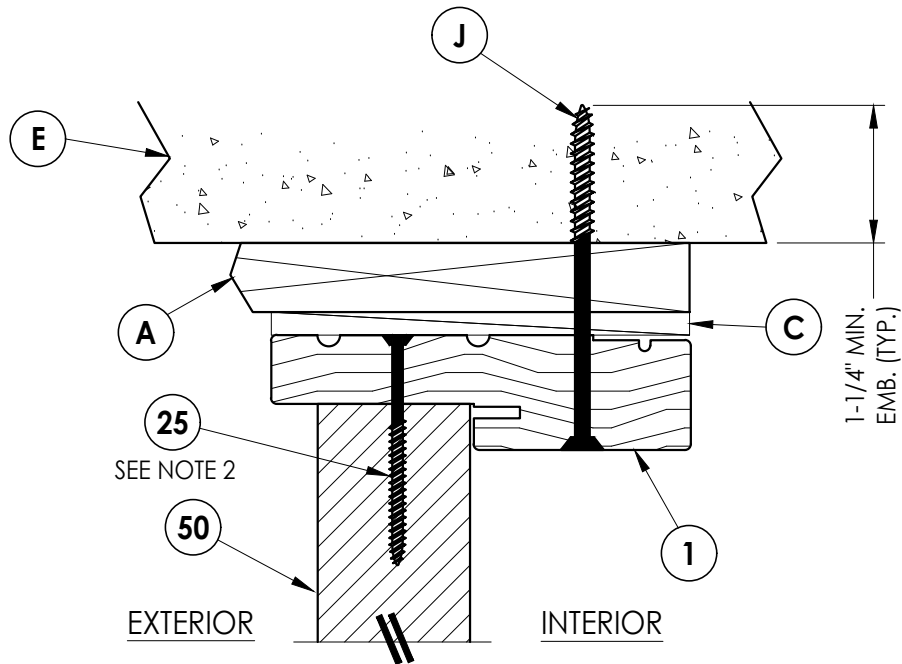
1
6 **HORIZONTAL CROSS SECTION**
Shown w/ 1X sub-buck
Outswing shown (Inswing similar)



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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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)

NO.	DATE	REVISIONS
2	7/27/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/15/20	UPDATE TO 7th ED (2020) FBC LFS

DATE: 2/11/19

SCALE: N.T.S.

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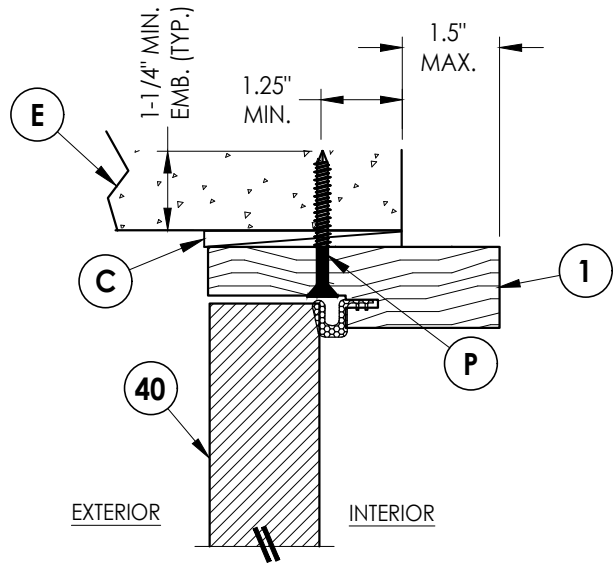
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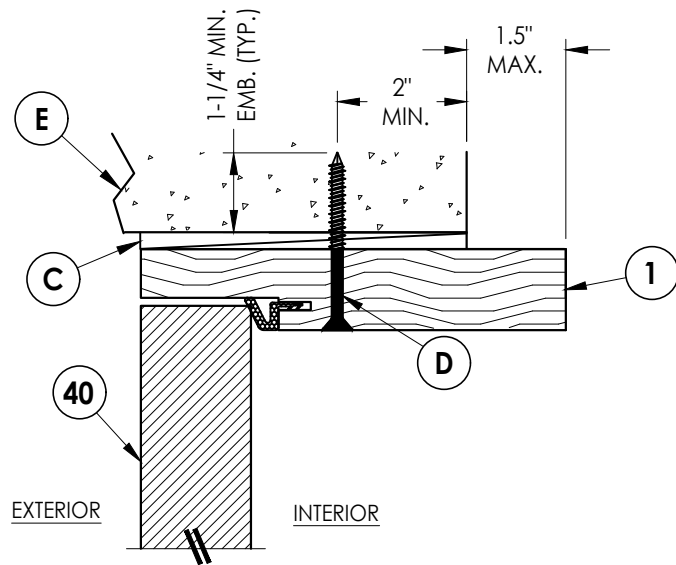
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SHEET 6 OF 12

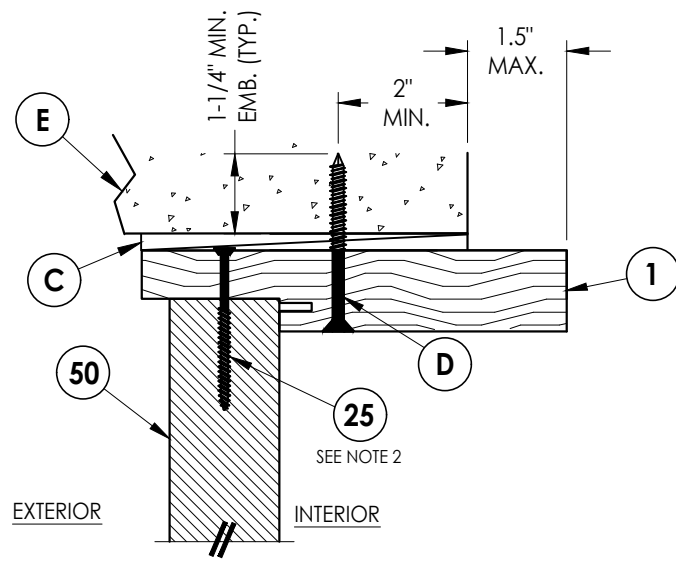
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3/7 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 4-9/16" jamb
Double Door Only (N/A w/ Sidelites)



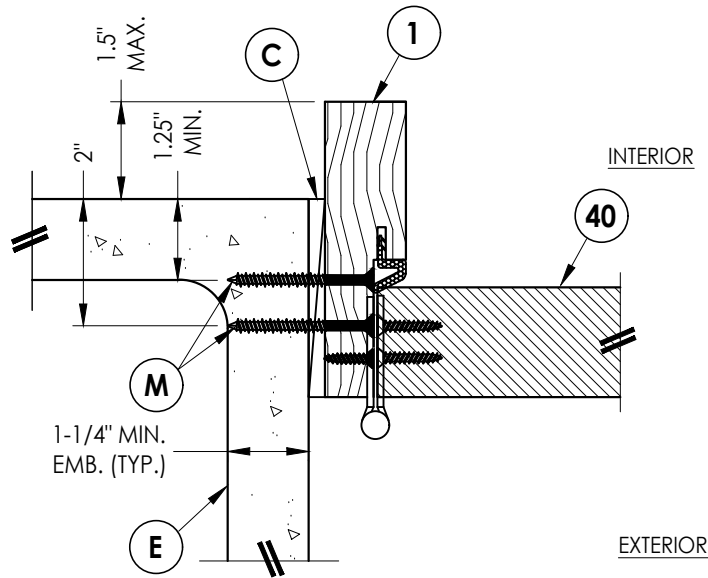
5/7 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



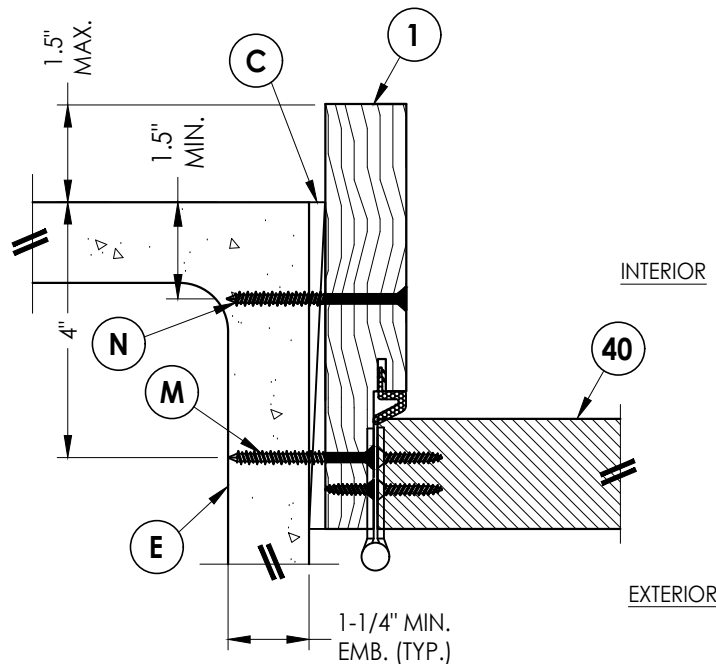
6/7 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

- Notes:
- Sidelite assembly screws located 8" from each end then 2 more equally spaced (4 total).
 - Sidelite assembly screws located 6" from each end (2 total).

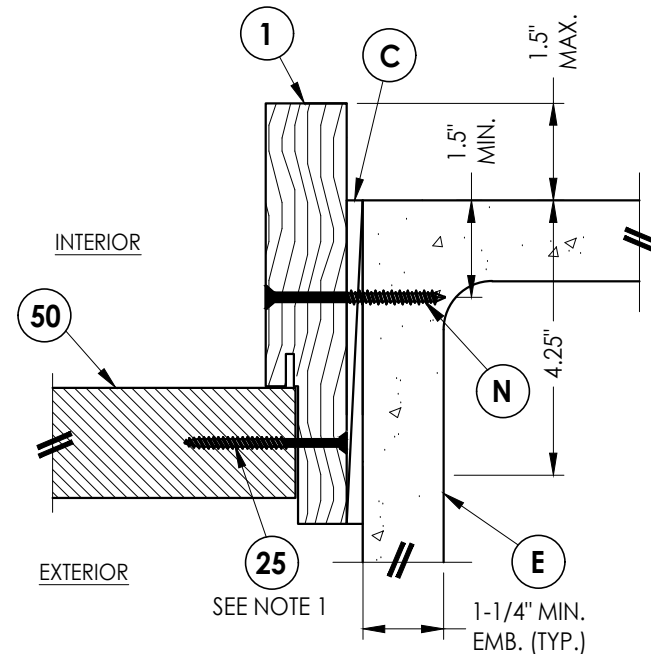
DIRECT TO MASONRY MAX. DESIGN PRESSURE:
± 55 PSF



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
2	7/27/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/15/20	UPDATE TO 7th ED (2020) FBC LFS
NO.	DATE	BY

DATE: 2/11/19

SCALE: N.T.S.

DWG. BY: MT

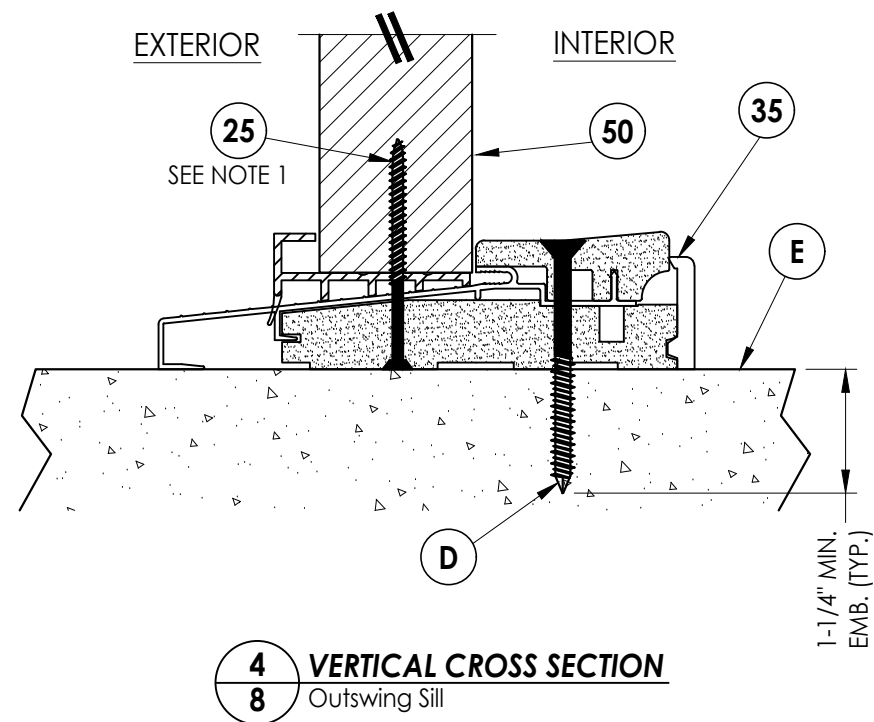
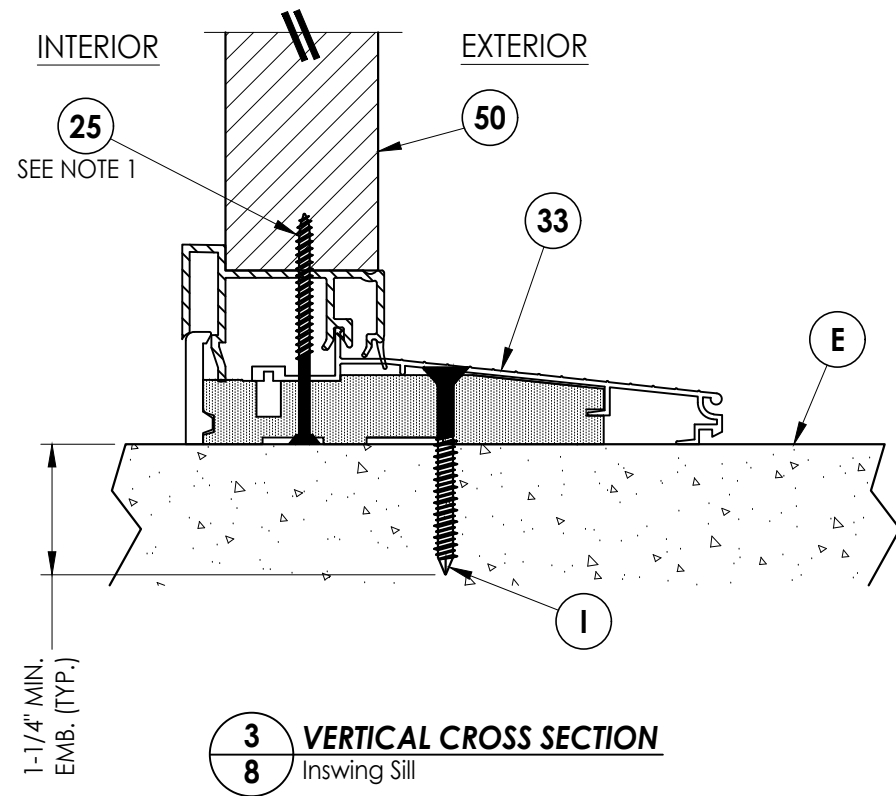
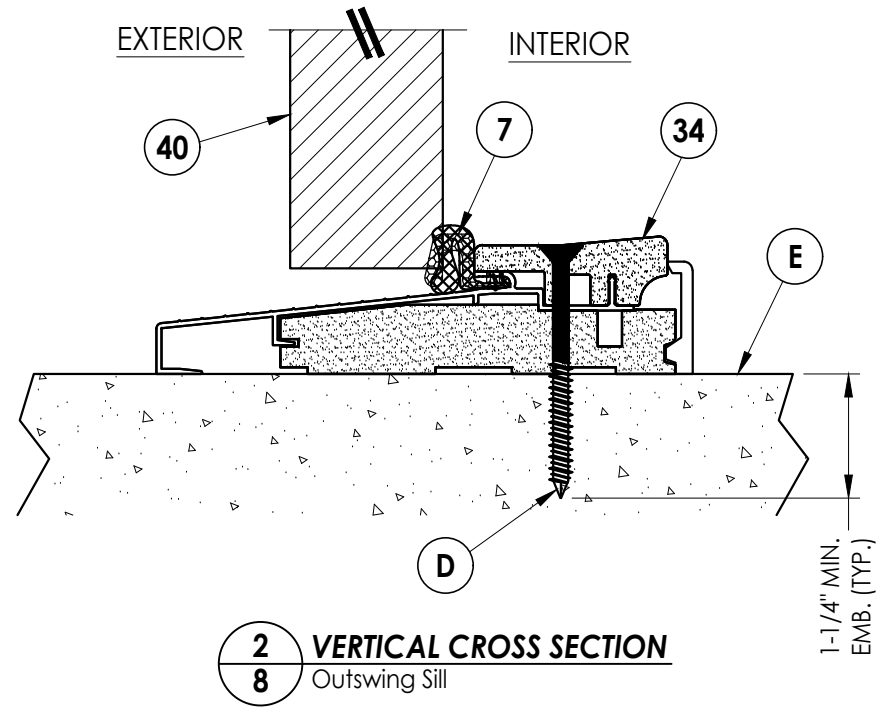
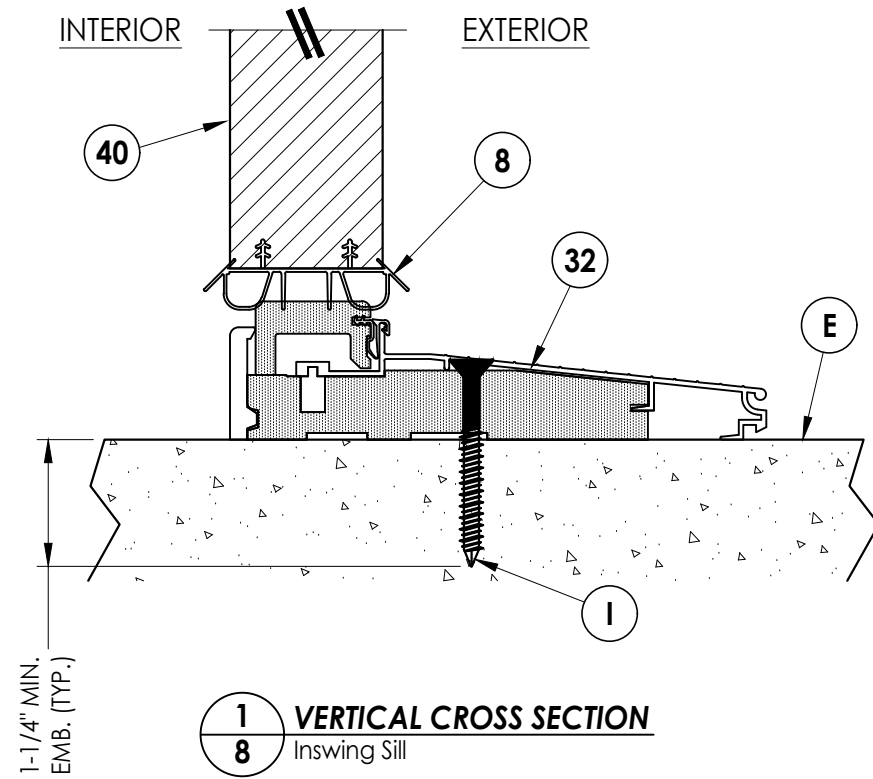
CHK. BY: LFS

DRAWING NO.:

FL-28897.12

SHEET 7 OF 12

1. Sidelite assembly screws located 6" from each end (2 total).

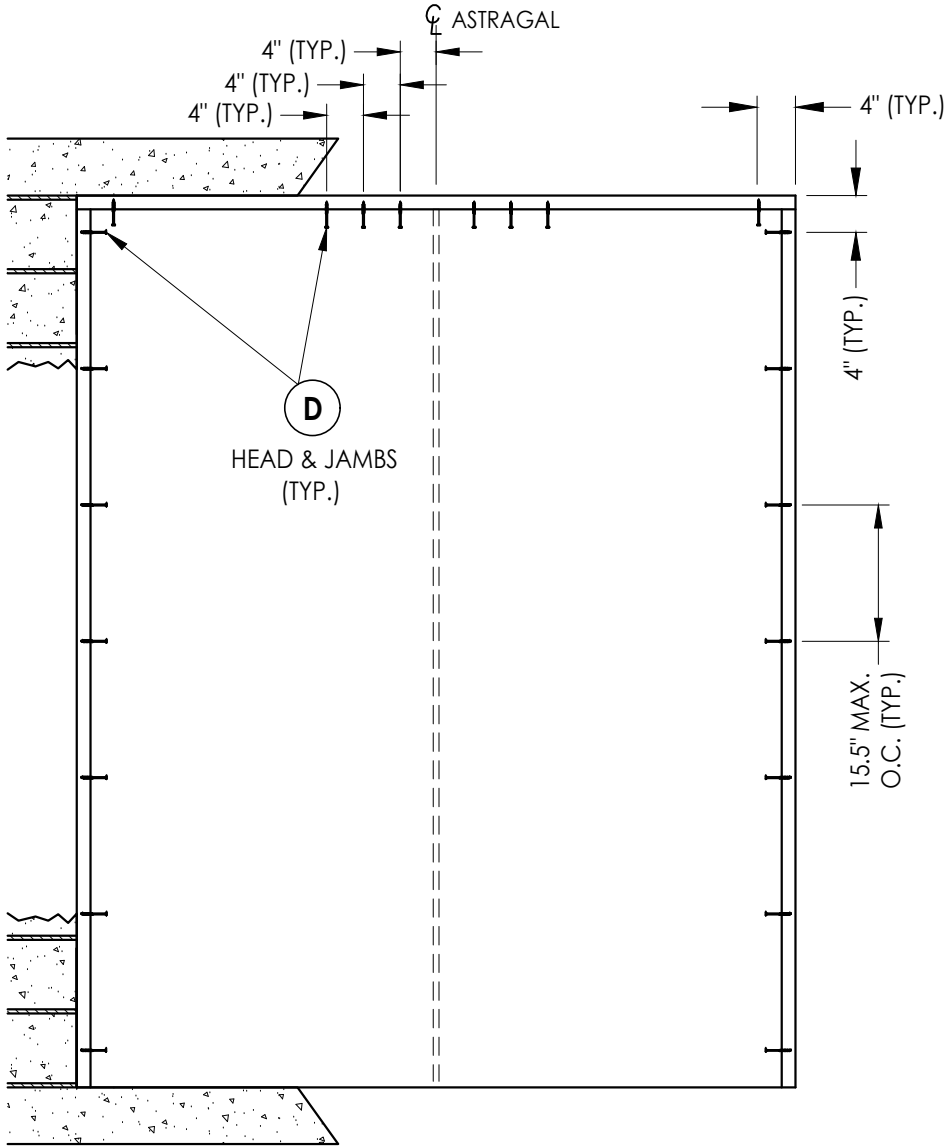


DATE: 2/11/19		PRODUCT: THERMA-TRU FIBERGLASS DOOR	
SCALE: N.T.S.			
DWG. BY: MT			
CHK. BY: LFS			
DRAWING NO.: FL-28897.12			
SHEET 8 OF 12			
		PART OR ASSEMBLY: VERTICAL CROSS SECTIONS (THRESHOLDS)	
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC LFS
1	7/15/20	UPDATE TO 7th ED (2020)	FBC LFS
NO.	DATE		BY
			REVISIONS

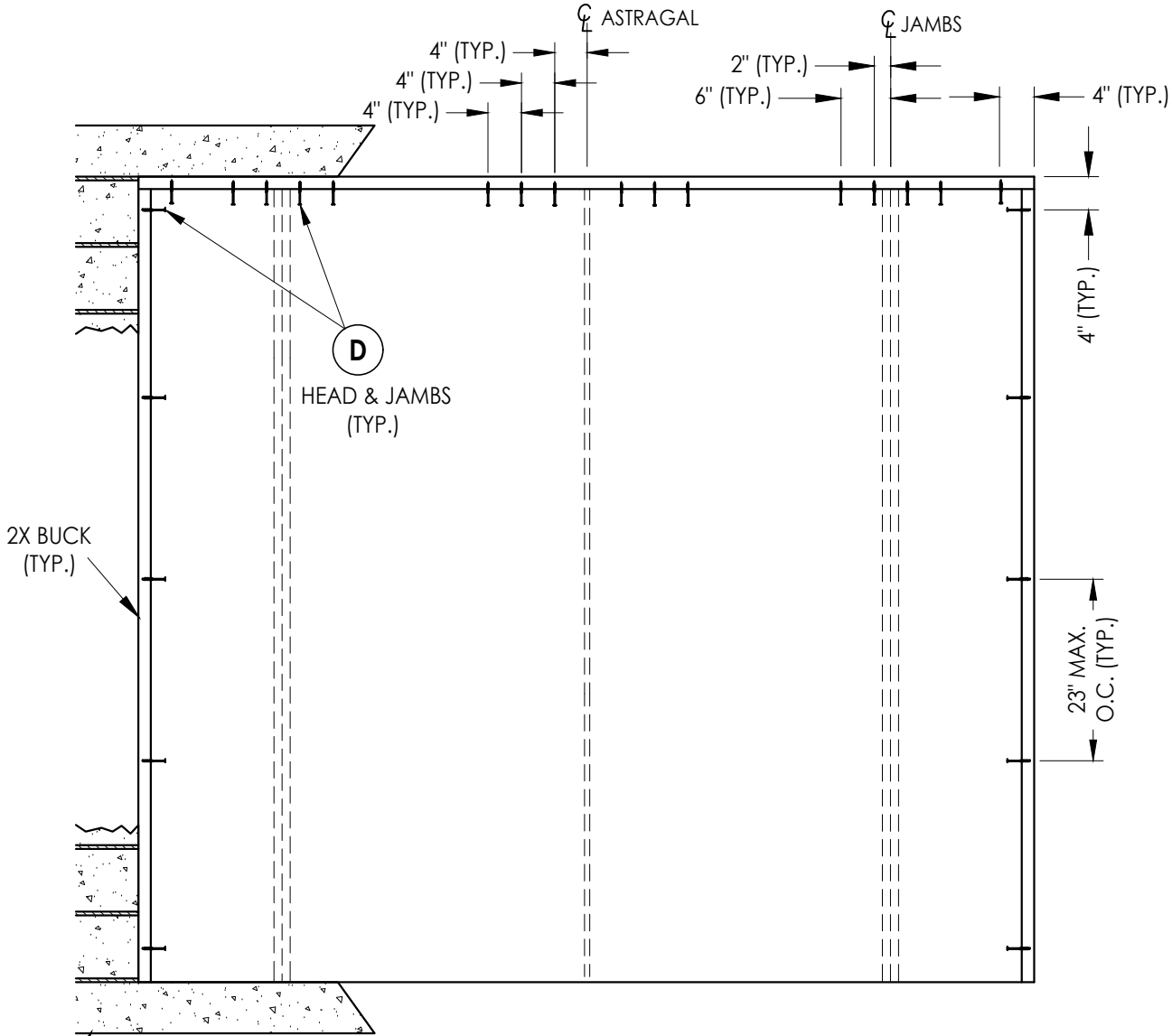
Documents Prepared By:
Lyndon F. Schmidt
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XX



OXXO

2X BUCK ANCHORING

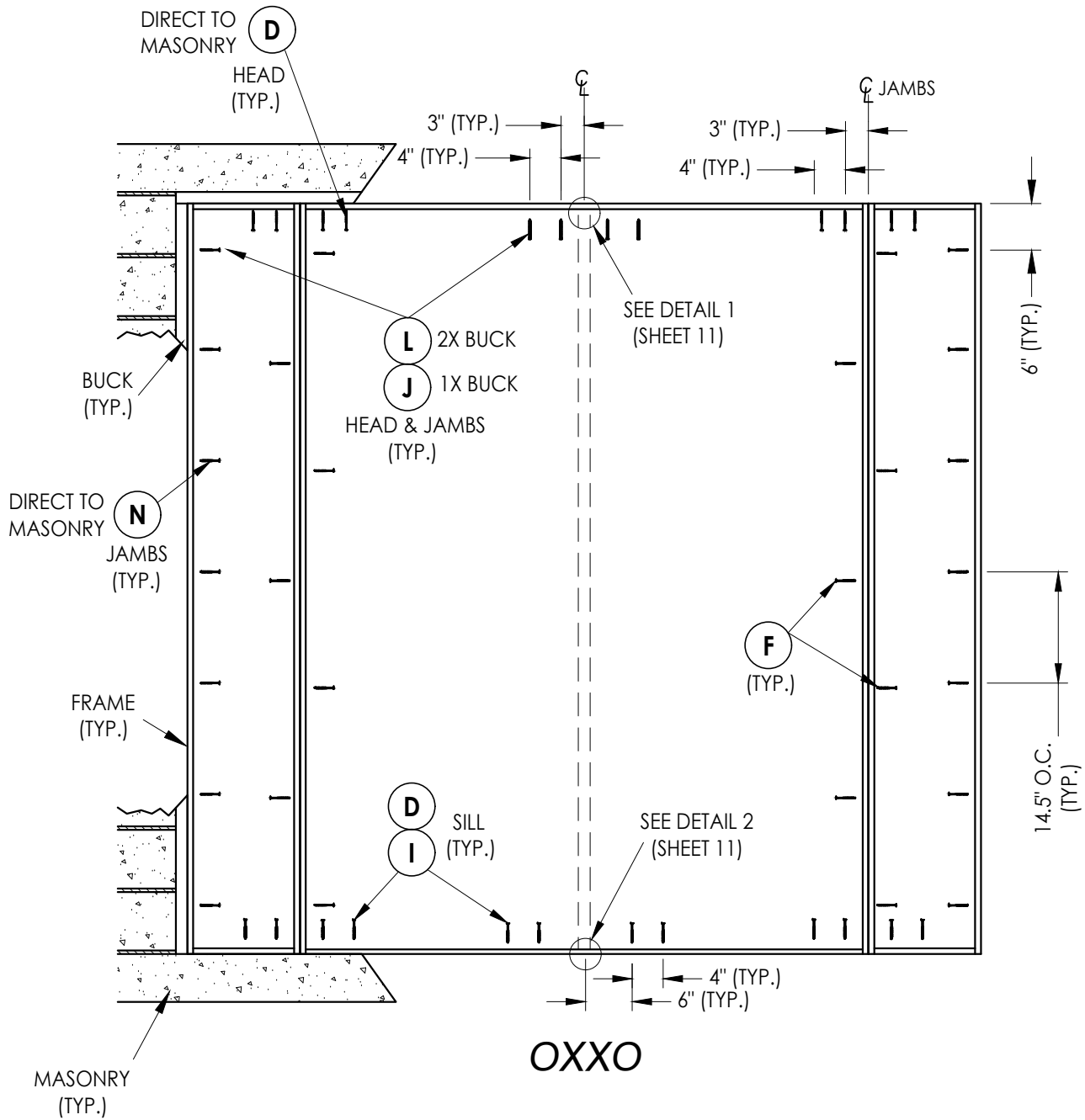
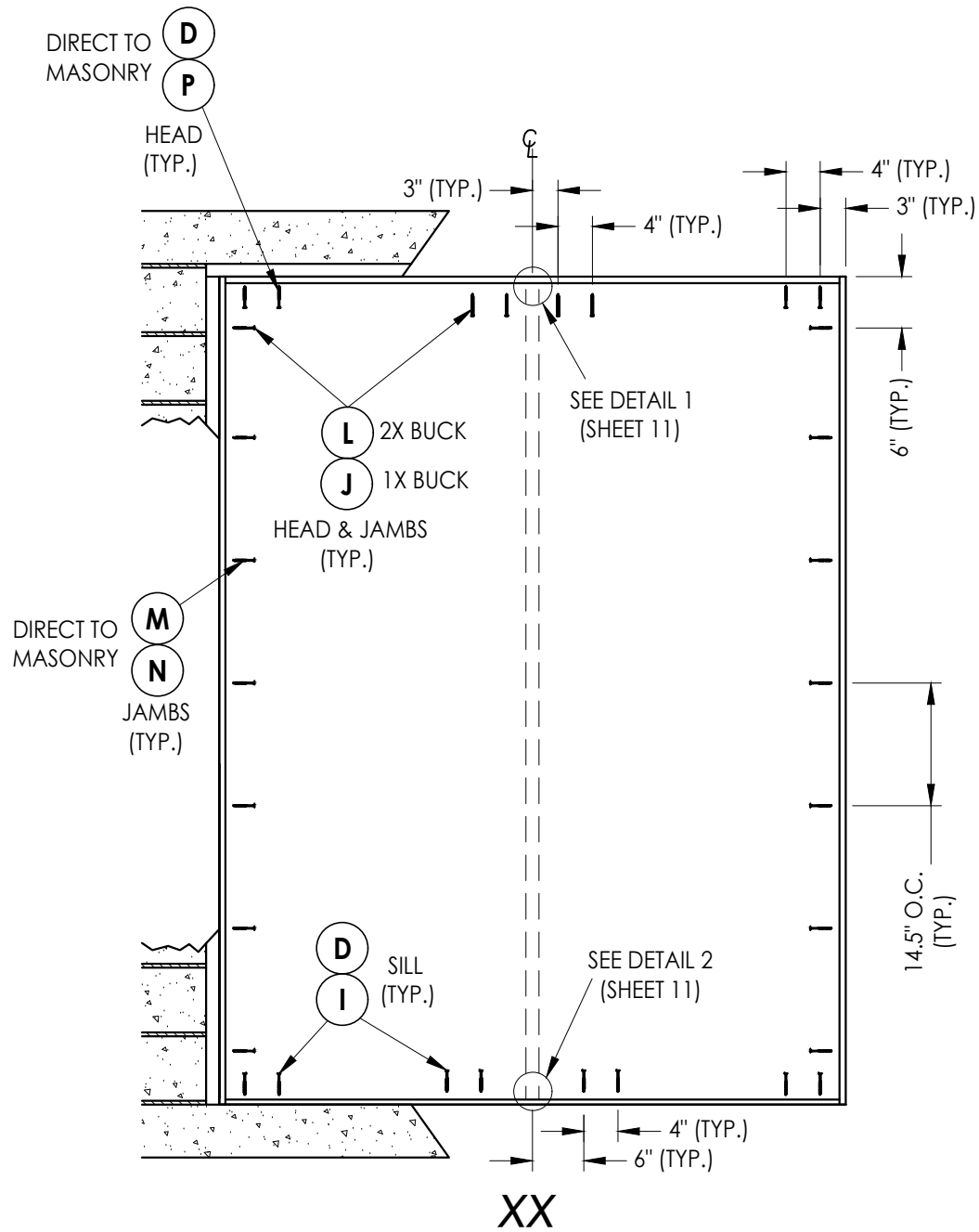
REVISIONS	
NO.	DATE
2	7/27/23
1	7/15/20

DATE:	2/11/19
SCALE:	N.T.S.
DWG. BY:	MT
CHK. BY:	LFS
DRAWING NO.:	FL-28897.12
SHEET	9 OF 12

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

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

* FRAME CORNERS ATTACHED w/ (3) #8 X 2-1/2"
FH DEEP THREAD WOOD SCREWS (TYP.)



FRAME ANCHORING

Documents Prepared By:
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P.E. No. 43409

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

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

PART OR ASSEMBLY:
FRAME ANCHORING

REVISIONS	
NO.	DATE
2	7/27/23
1	7/15/20

DATE: 2/11/19

SCALE: N.T.S.

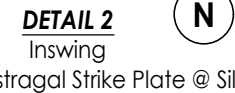
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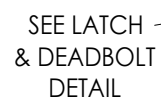
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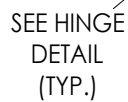
SHEET 10 OF 12



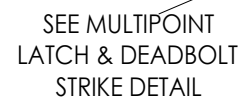
LATCH & DEADBOLT STRIKE DETAILS



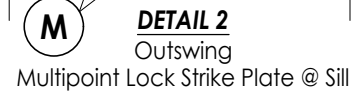
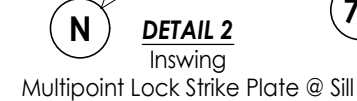
ASTRAGAL
Latch and Deadbolt



HINGE JAMB



ASTRAGAL
Multipoint Lock

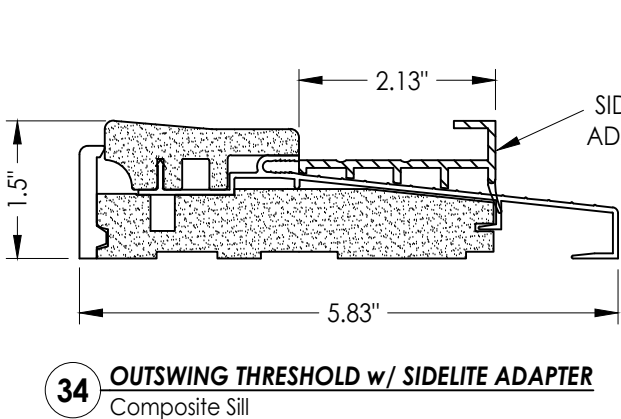
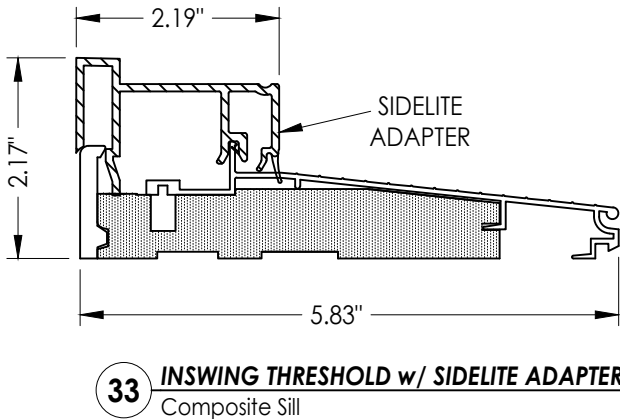
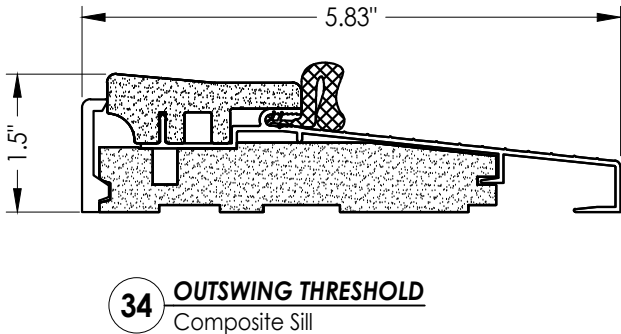
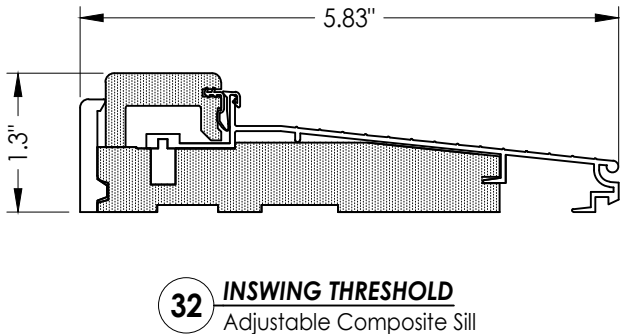
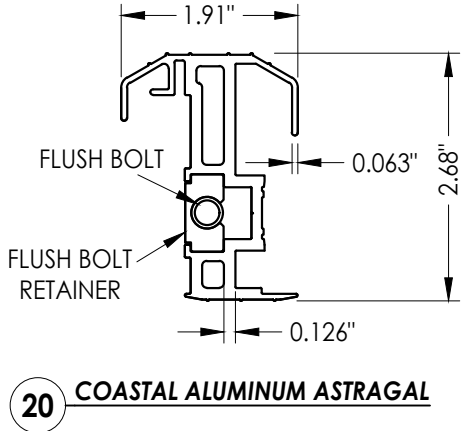
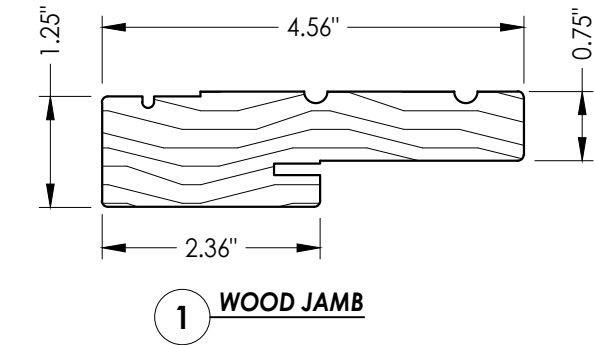


MULTIPOINT LOCK STRIKE DETAILS

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Z:\2023 FBC Drawings\Therma-Tru\FL-28897 R2\FL-28897.10-12.dwg

BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH ELCO 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
I	1/4" X 2-1/4" PFH ELCO OR ITW CONCRETE SCREW	STEEL
J	1/4" X 3-3/4" PFH ELCO 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" ITW CONCRETE SCREW	STEEL
N	3/16" X 2-3/4" ITW CONCRETE SCREW	STEEL
P	1/4" X 2-3/4" PFH ELCO CONCRETE SCREW	STEEL
1	JAMB (FINGER JOINT PINE)	WOOD
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
20	COASTAL ALUMINUM ASTRAGAL	ALUM
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
30	MULTIPOINT LOCK STRIKE PLATE	STEEL
32	INSWING THRESHOLD	ALUM/COMP
33	INSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
34	OUTSWING THRESHOLD	ALUM/COMP
35	OUTSWING THRESHOLD w/ SIDELITE ADAPTER	ALUM/COMP
40	DOOR PANEL	-
50	SIDELITE PANEL	-
78	MULTIPOINT LOCK STRIKE PLATE @ HEAD	STEEL
79	MULTIPOINT LOCK STRIKE PLATE @ SILL	STEEL
80	COASTAL ASTRAGAL STRIKE PLATE	STEEL



- 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"
ELCO 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:
Lyndon F. Schmidt
P.E. No. 43409

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS

DATE: 2/11/19

SCALE: N.T.S.

DWG. BY: MT

CHK. BY: LFS

DRAWING NO.: FL-28897.12

SHEET 12 OF 12

REVISIONS

2	7/27/23	UPDATE TO 8TH ED. (2023) FBC	LFS
1	7/15/20	UPDATE TO 7th ED (2020) FBC	LFS
NO.	DATE		BY

RW BUILDING CONSULTANTS, INC.

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