

THERMA-TRU®
DOORS

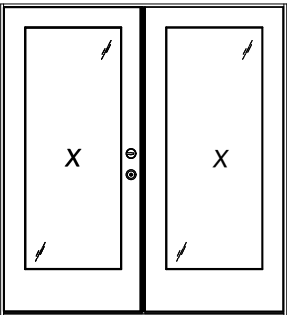
Classic-Craft®

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

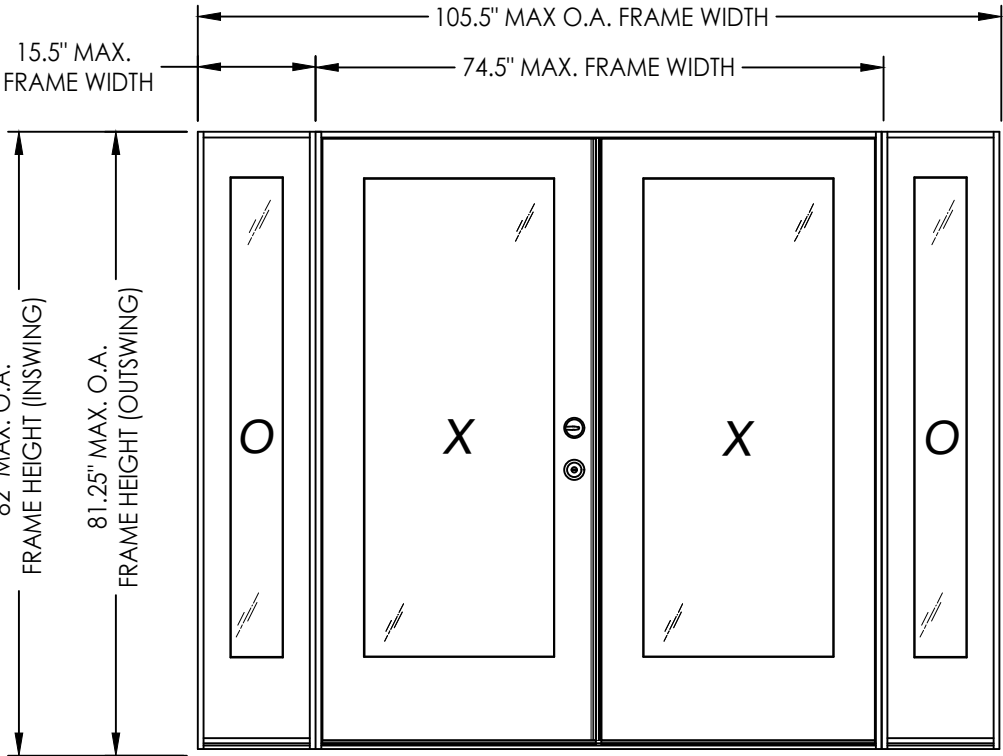
GENERAL NOTES

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.

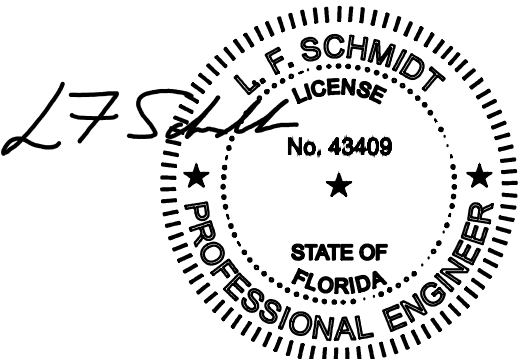
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9	Buck Anchoring
10	Frame Anchoring
11	Hardware Details
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XX



CONFIGURATION	LOCK HARDWARE	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
XX, OXXO	Latch & Deadbolt	+60.0	-70.0	+65.0	-65.0
XX, OXXO	Multipoint	+65.0	-70.0	+80.0	-80.0



Digitally signed by Lyndon F Schmidt
Date: 2023.07.27 16:25:42 -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

1

7/15/20

UPDATE TO 7th ED (2020)

FBC

NO.

DATE

REVISIONS

DATE: 2/05/19

SCALE: N.T.S.

DWG. BY: MT

CHK. BY: LFS

DRAWING NO.: FL-28897.3

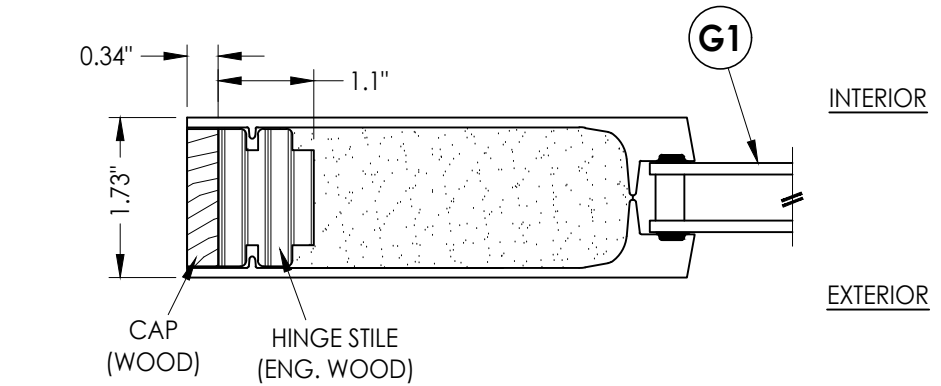
SHEET 1 OF 12

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P.E. No. 43409

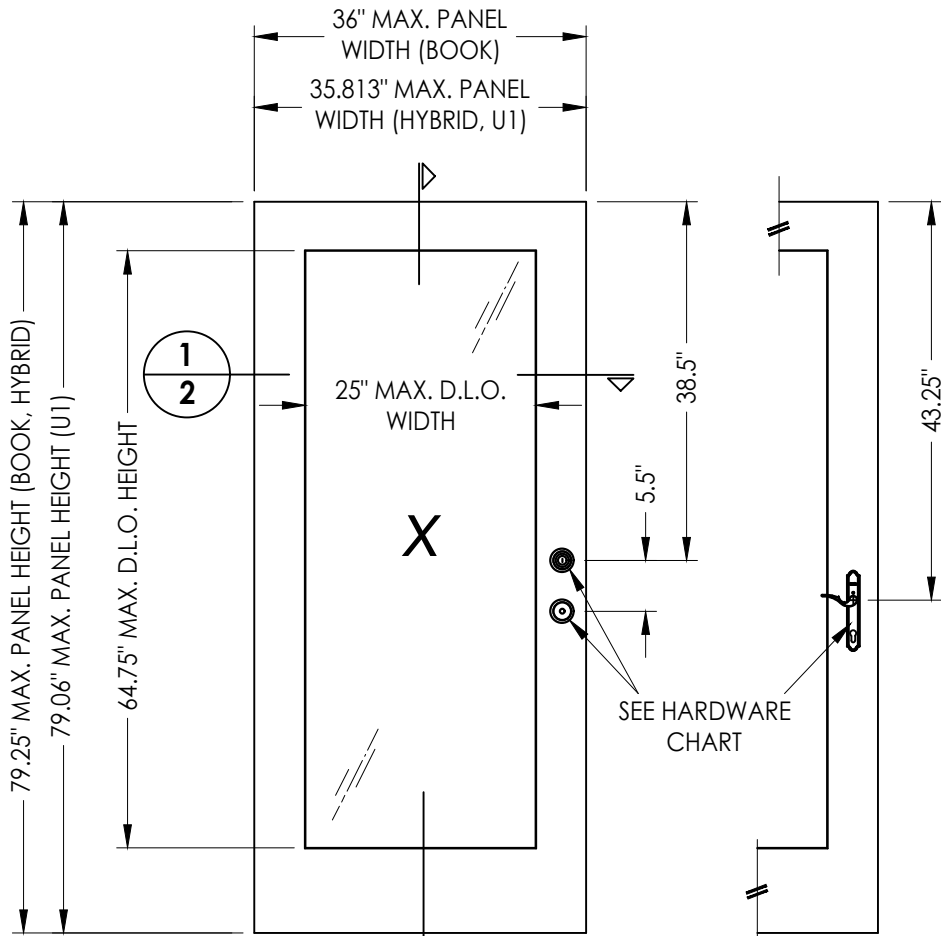
RW

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

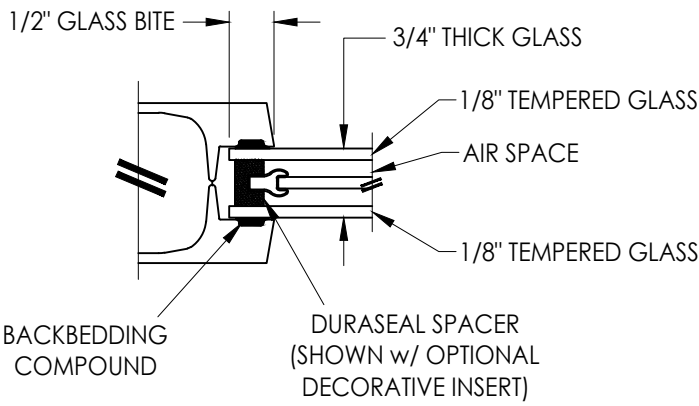
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1
2 **HORIZONTAL CROSS SECTION**

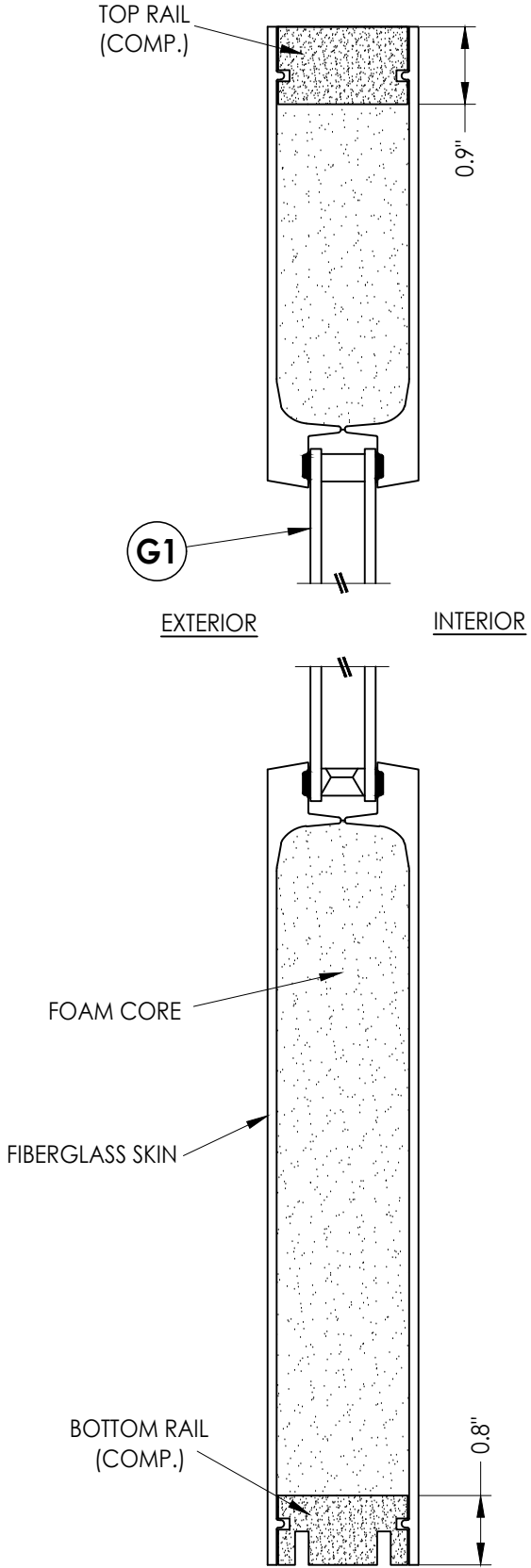


2
2 **DOOR PANEL**
Classic-Craft Shaker



G1 **GLAZING DETAIL**
Flush Glazing

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**

FIBERGLASS SKIN: 0.110" MIN. THICKNESS
FOAM CORE: POLYURETHANE (1.9 PCF)

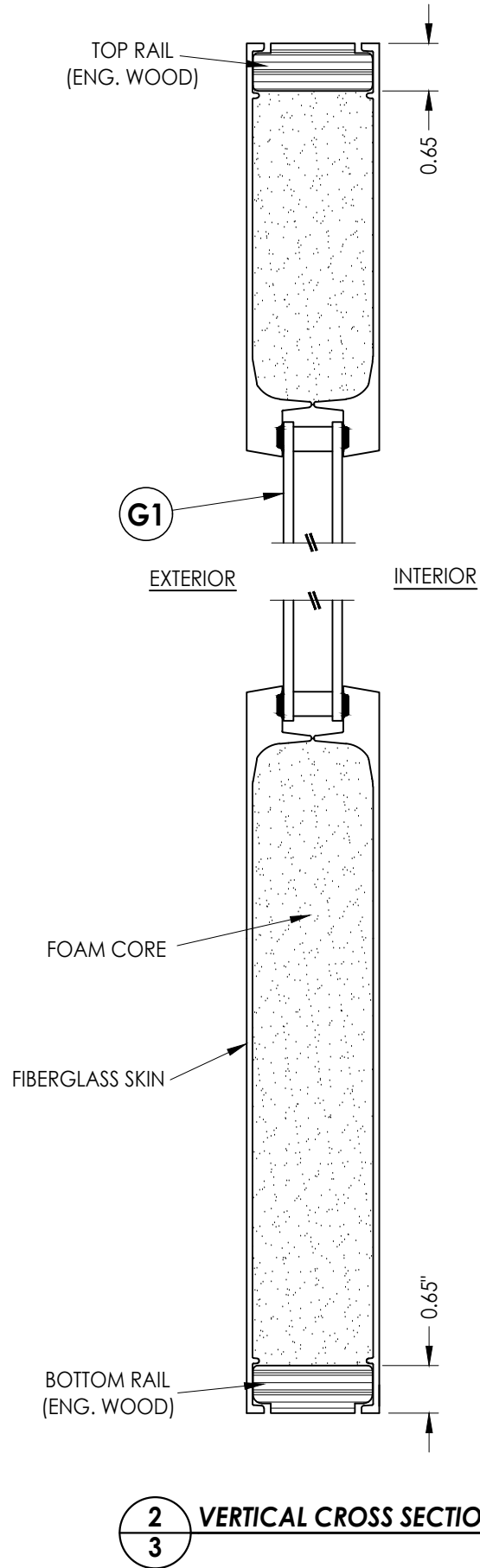
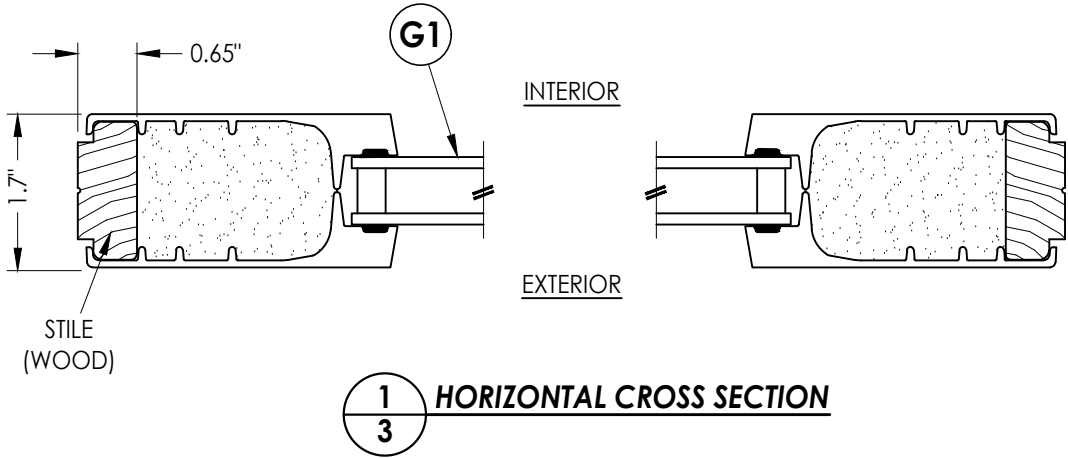
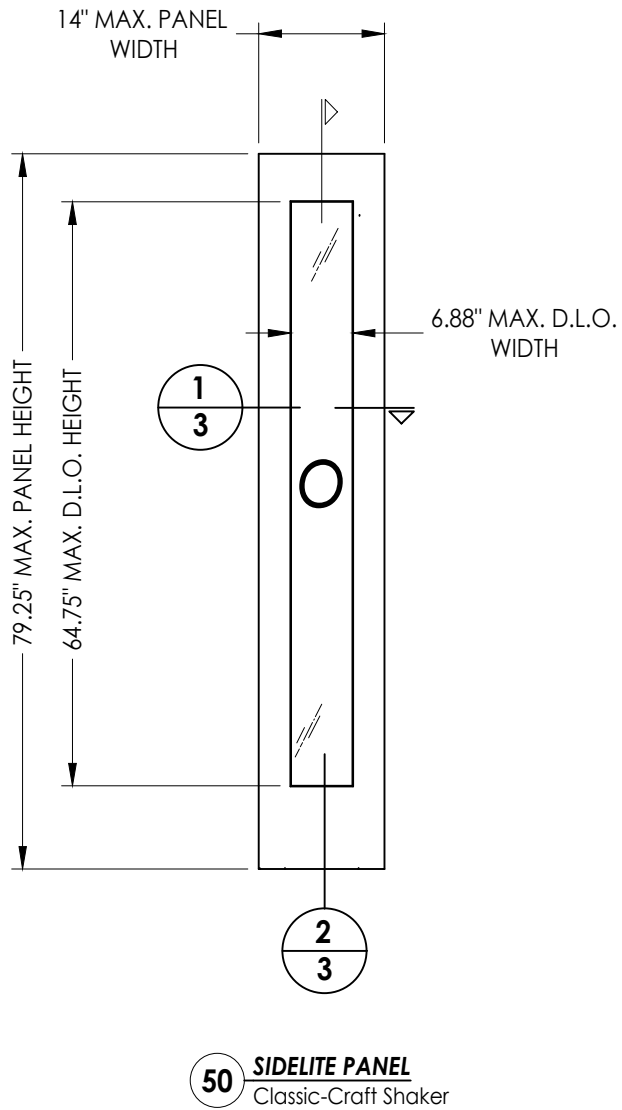
Documents Prepared By:
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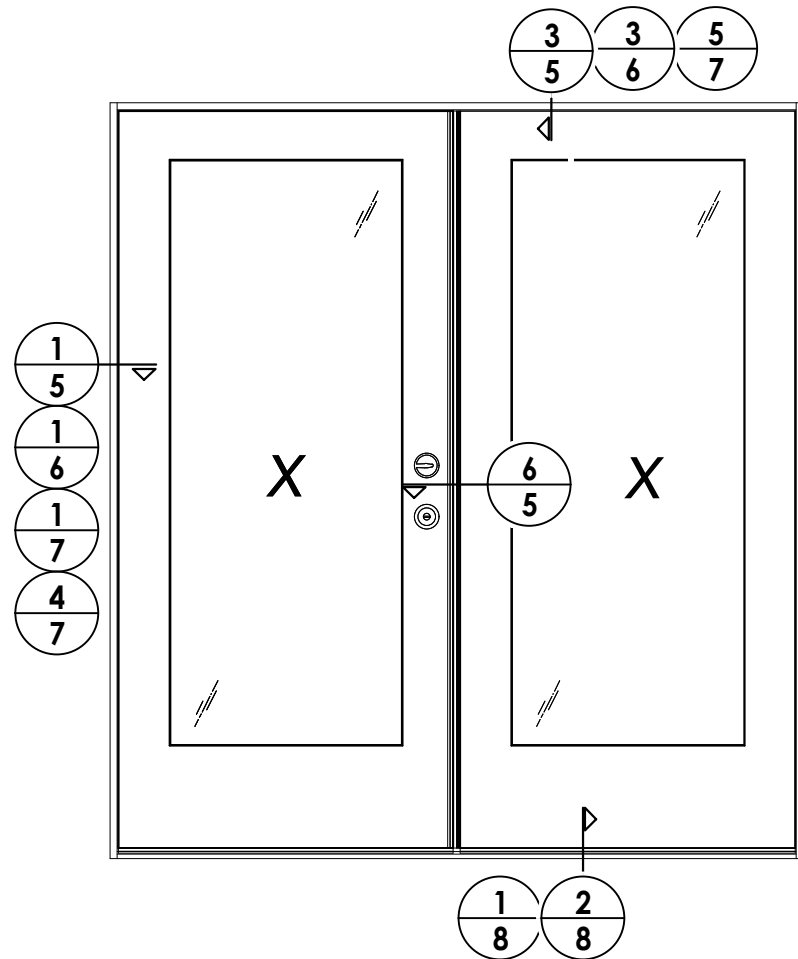
PRODUCT:		THERMA-TRU FIBERGLASS DOOR	
PART OR ASSEMBLY:		DOOR PANEL DETAILS	
NO.	DATE	LFS	BY
2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC
1	7/15/20	UPDATE TO 7th ED (2020)	FBC
REVISIONS			
DATE: 2/05/19			
SCALE: N.T.S.			
DWG. BY: MT			
CHK. BY: LFS			
DRAWING NO.: FL-28897.3			
SHEET 2 OF 12			

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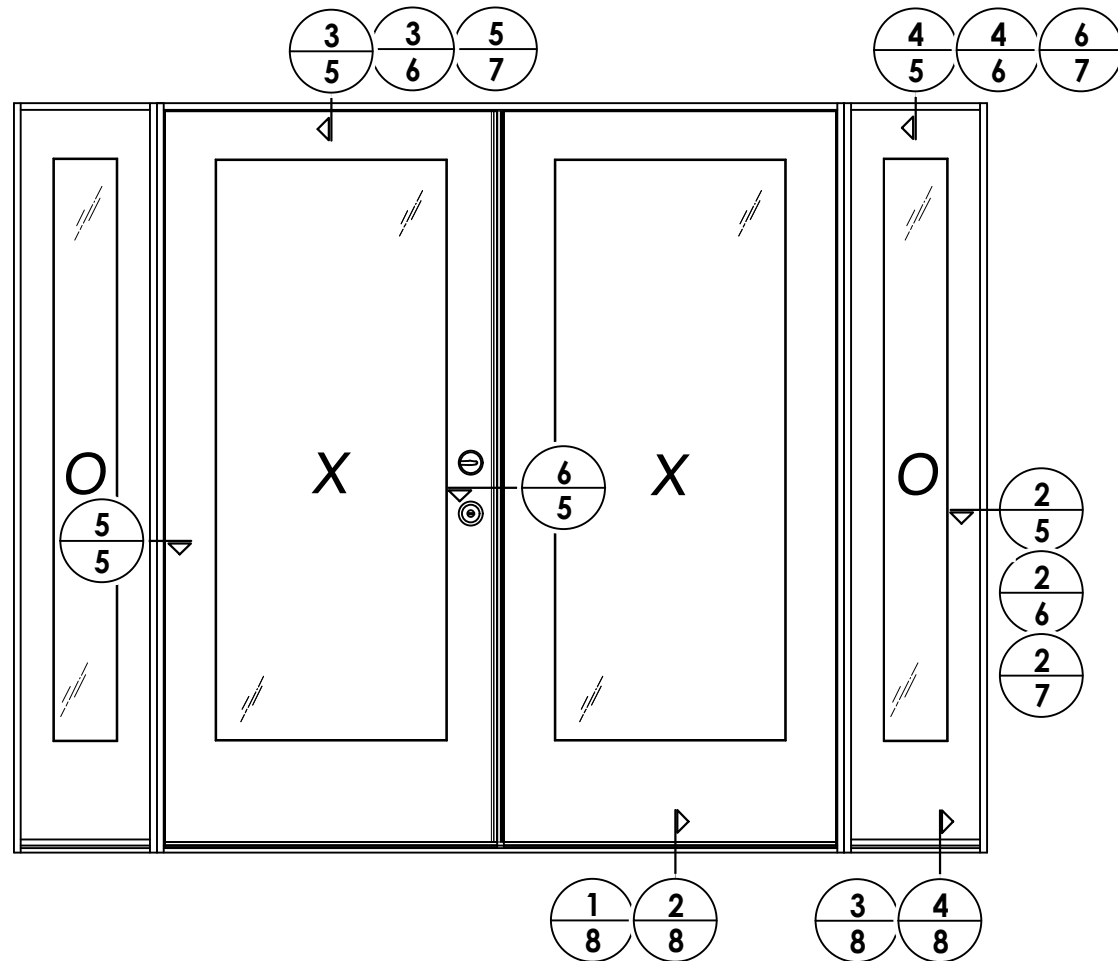
FIBERGLASS SKIN: 0.08" MIN. THICKNESS
FOAM CORE: POLYURETHANE (1.9 PCF)



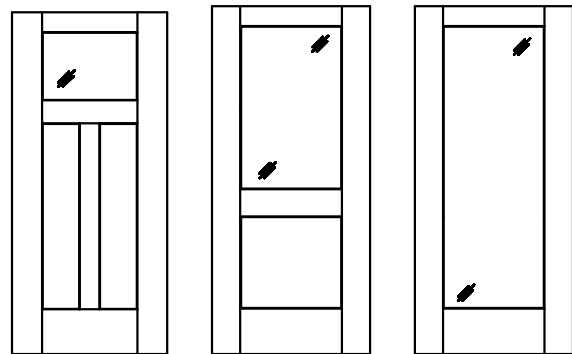
Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409				RWBUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813			
PRODUCT: THERMA-TRU FIBERGLASS DOOR				PART OR ASSEMBLY: SIDELITE PANEL DETAILS			
				LFS	FBC	LFS	BY
		2	7/27/23	UPDATE TO 8TH ED. (2023)	FBC		
		1	7/15/20	UPDATE TO 7th ED (2020)	FBC		
		NO.	DATE				
				REVISIONS			
DATE: 2/05/19							
SCALE: N.T.S.							
DWG. BY: MT							
CHK. BY: LFS							
DRAWING NO.: FL-28897.3							
SHEET 3 OF 12							



ELEVATION
XX



ELEVATION
OXXO



Classic-Craft Shaker Door Panel Options

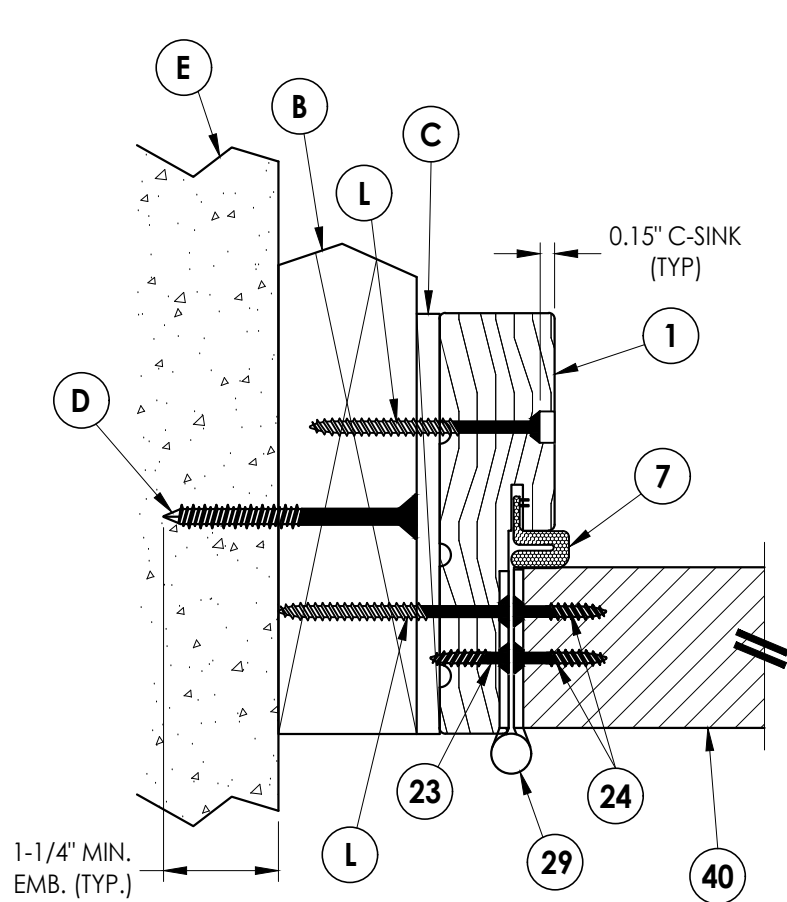
Panel options shown are for illustration and are representative only
(similar glazed panel configurations are allowed)

[illegible]

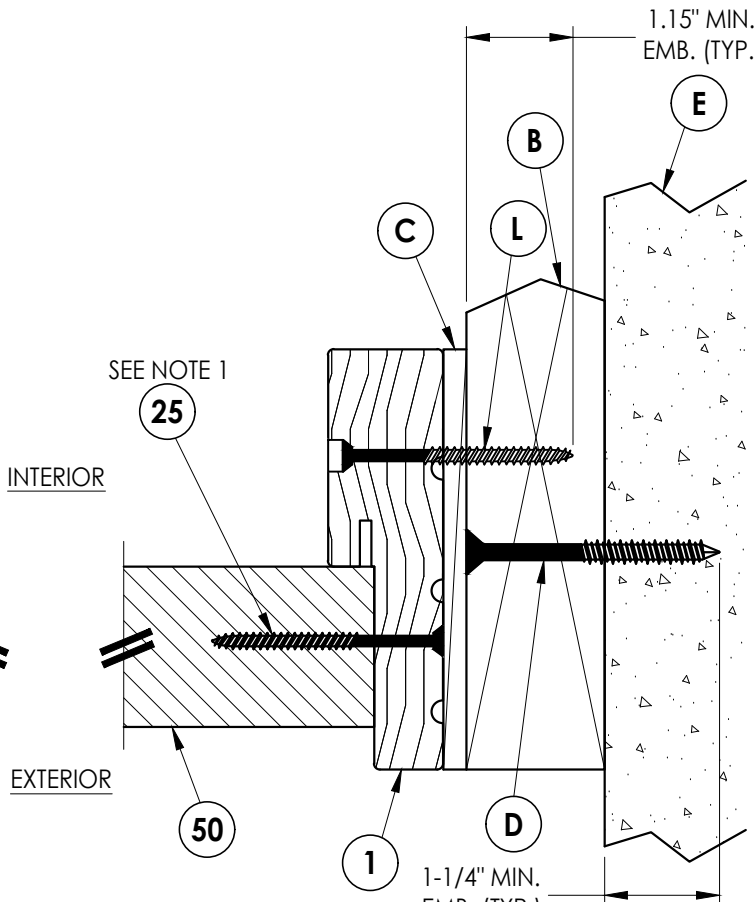
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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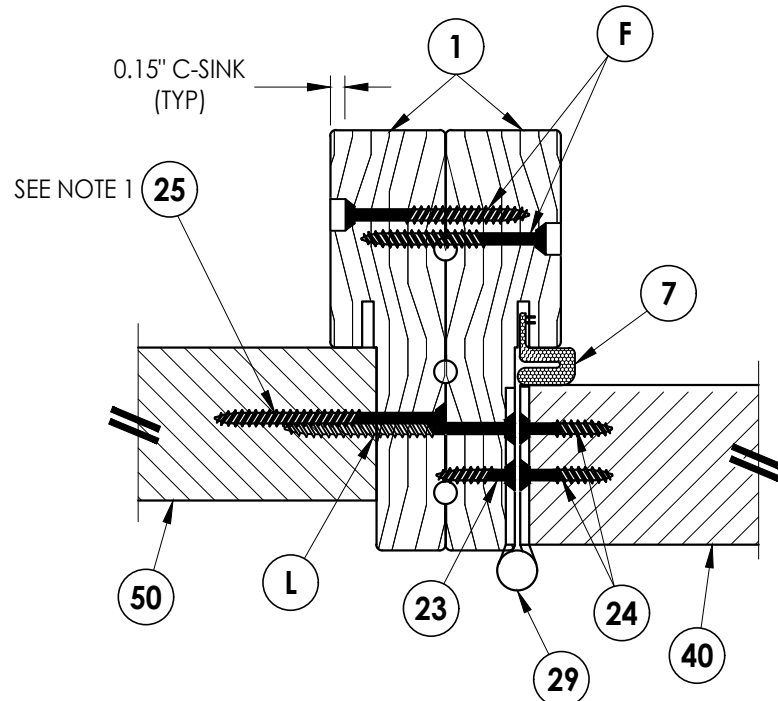
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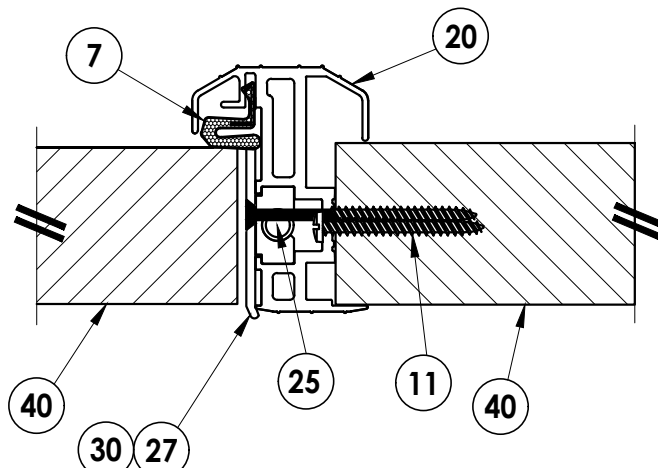
1
5 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



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

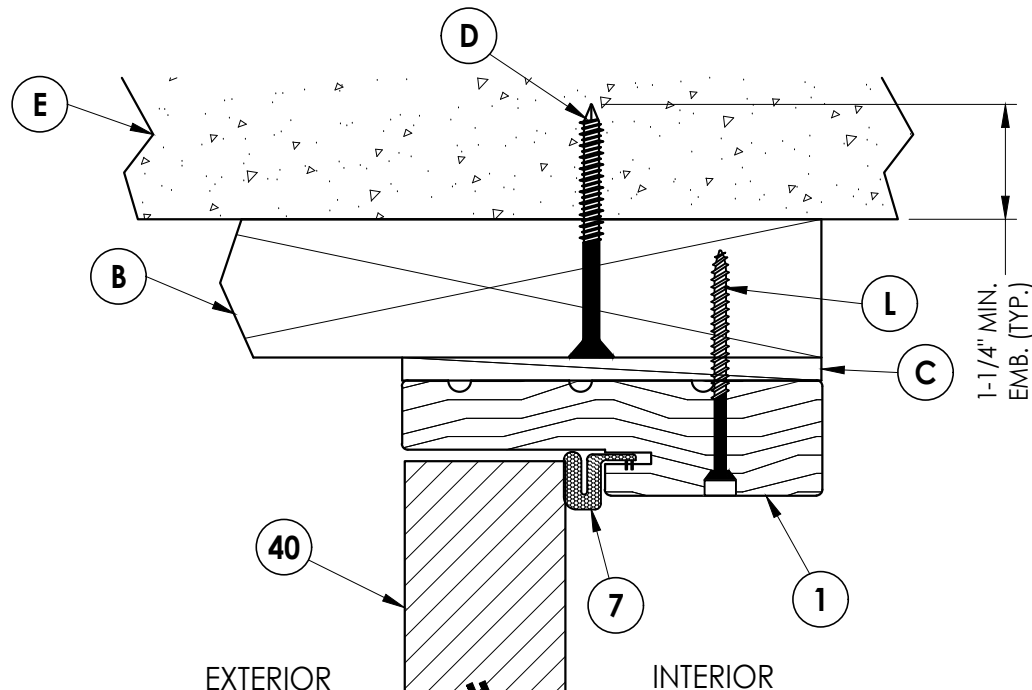


5
5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

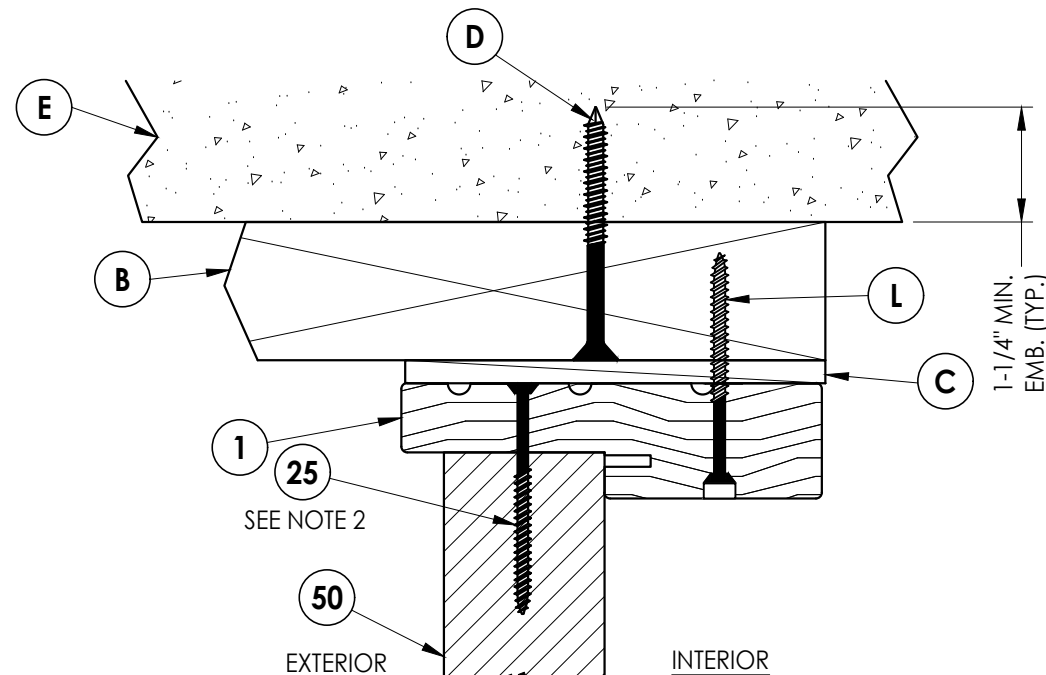


6
5 **HORIZONTAL CROSS SECTION**
Outswing shown (Inswing similar)

- 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).



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



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

Documents Prepared By:
Lyndon F. Schmidt
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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
2	7/27/23	UPDATE TO 8TH ED. (2023) FBC LFS
1	7/15/20	UPDATE TO 7th ED (2020) FBC LFS

DATE: 2/05/19

SCALE: N.T.S.

DWG. BY: MT

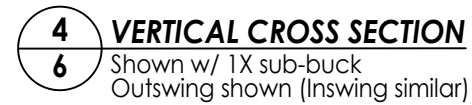
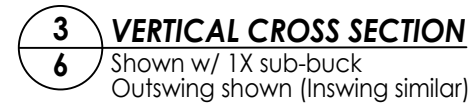
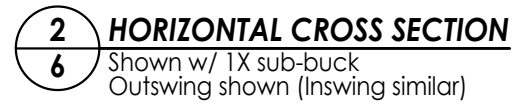
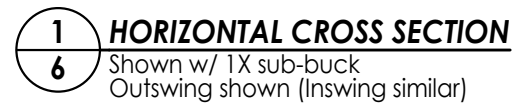
CHK. BY: LFS

DRAWING NO.:

FL-28897.3

SHEET 5 OF 12

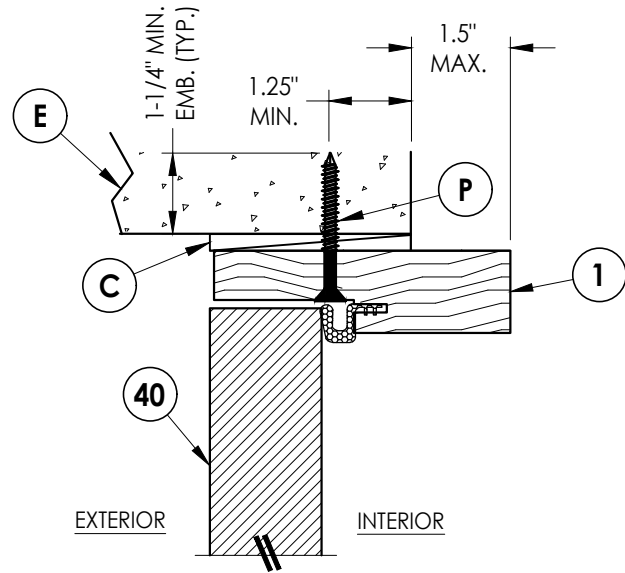
1. Sidelite assembly screws located 8" from each end then 2 more equally spaced (4 total).
2. Sidelite assembly screws located 6" from each end (2 total).

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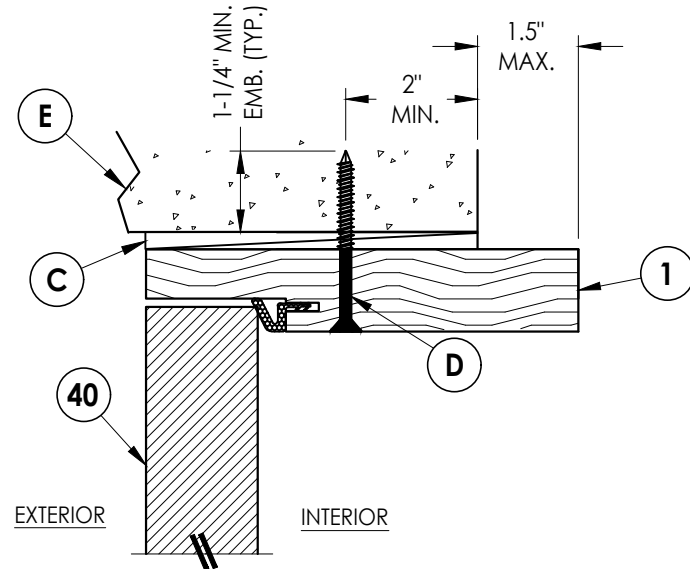
Documents Prepared By:
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P.E. No. 43409

RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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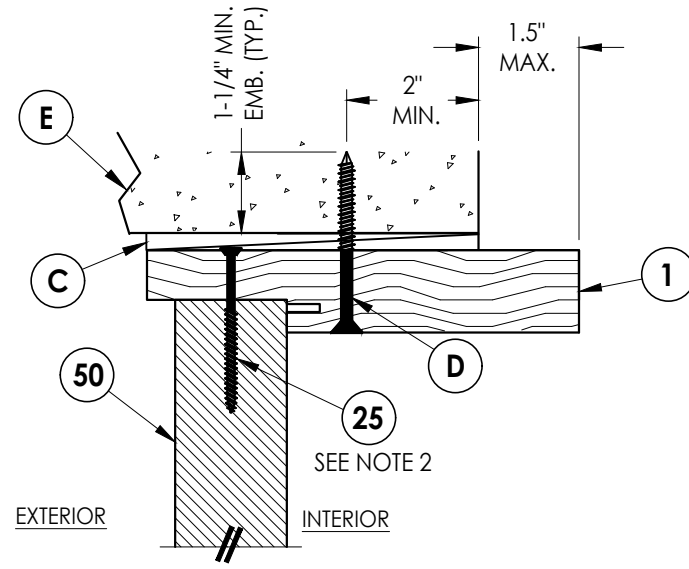
Z:\2023 FBC Drawings\Therma-Tru\FL-28897 R2\FL-28897.1-3.dwg



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



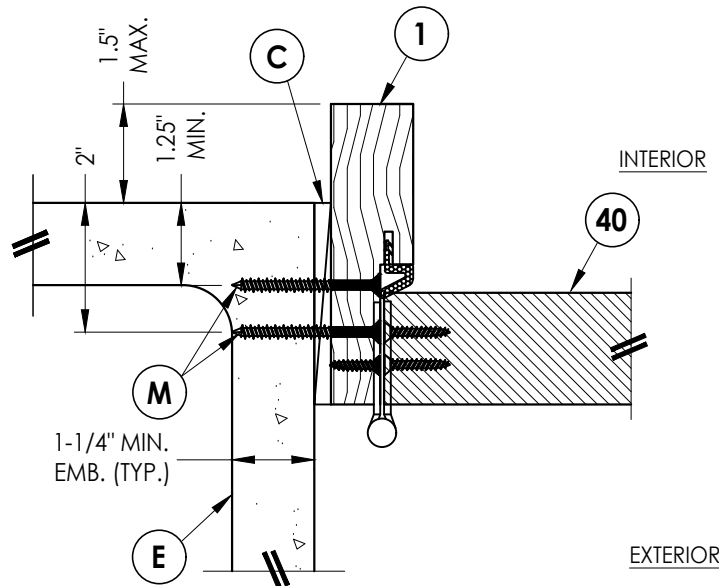
5/7 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb



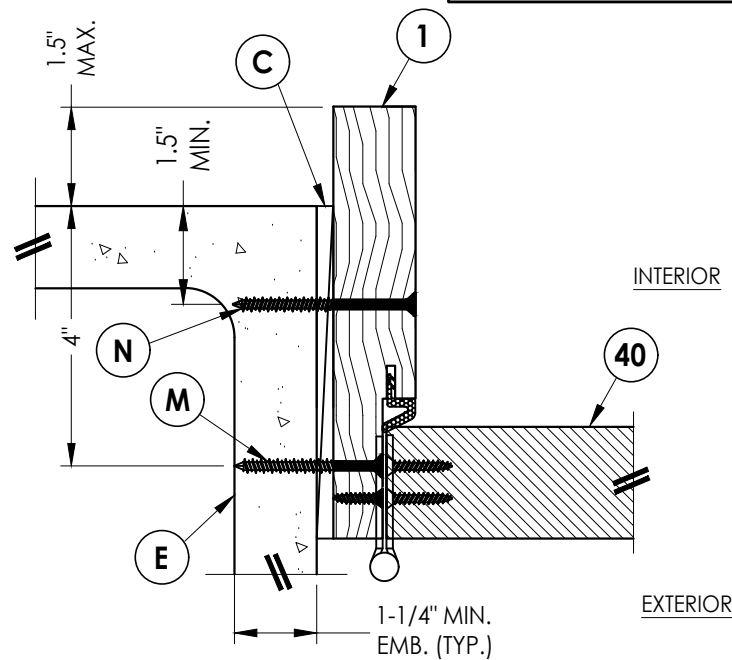
6/7 VERTICAL CROSS SECTION
Shown Direct to Masonry
Outswing only w/ 6-9/16" jamb

- Notes:
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).

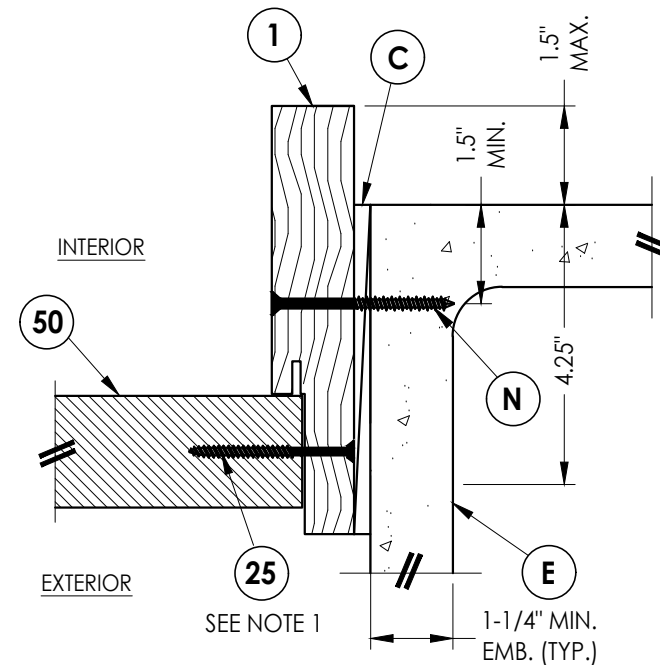
DIRECT TO MASONRY MAX. DESIGN PRESSURE:
± 65 PSF



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)

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: 2/05/19

SCALE: N.T.S.

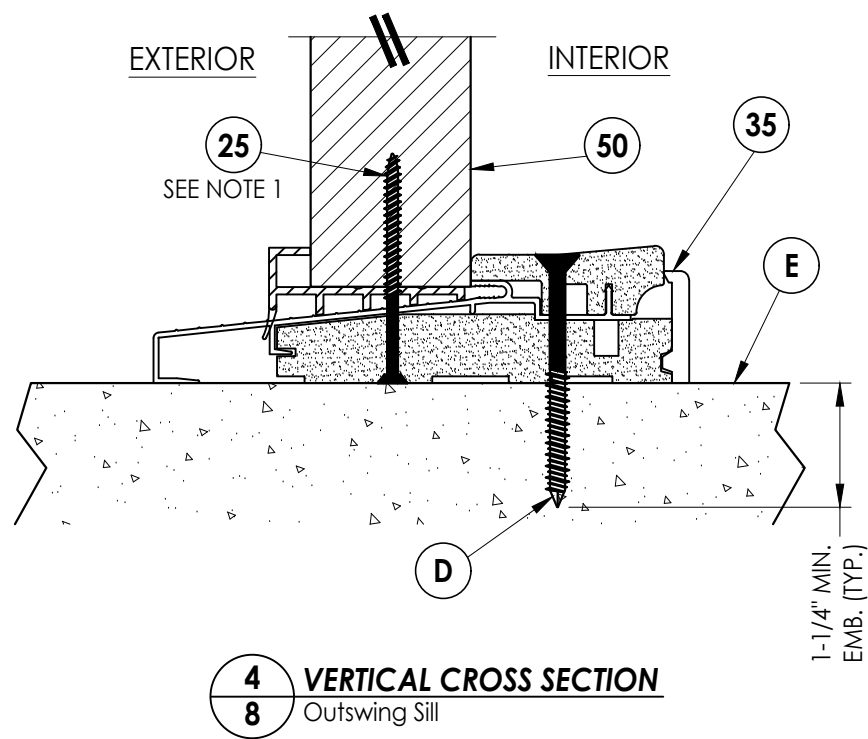
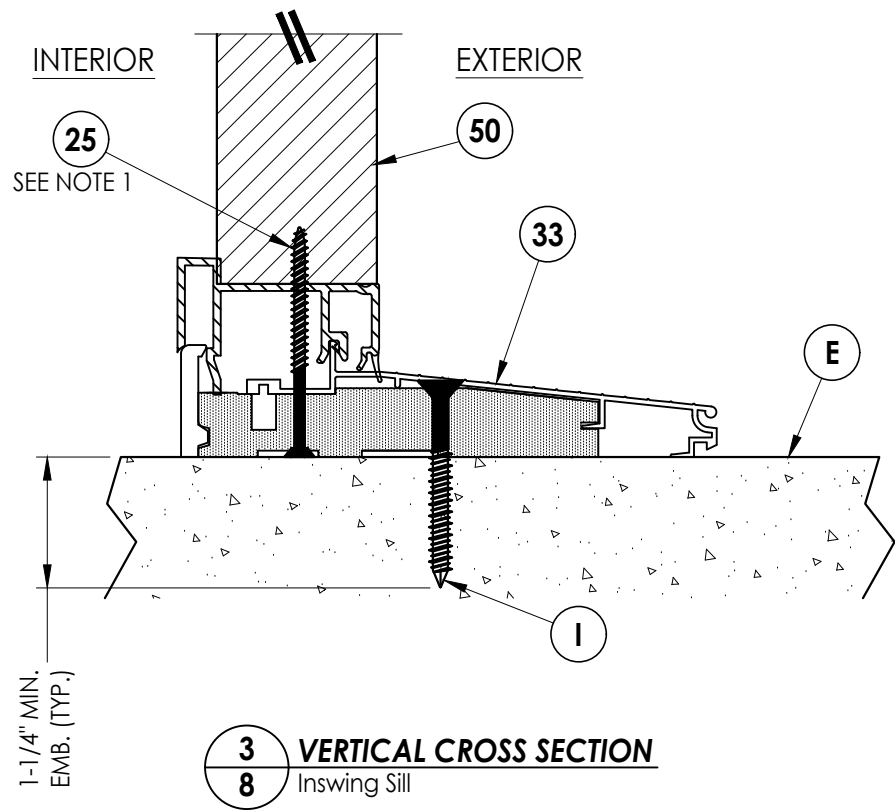
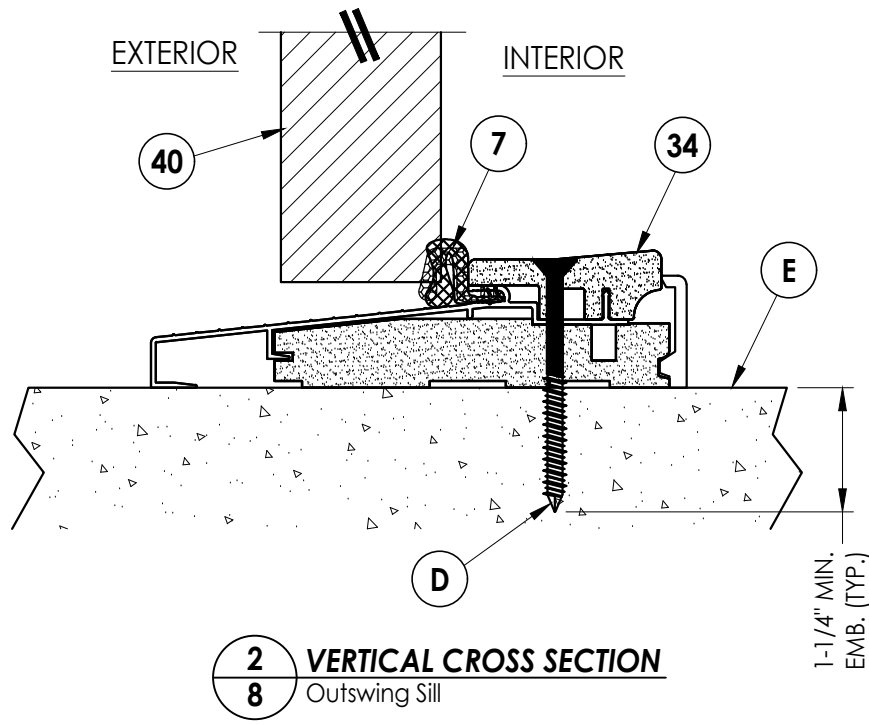
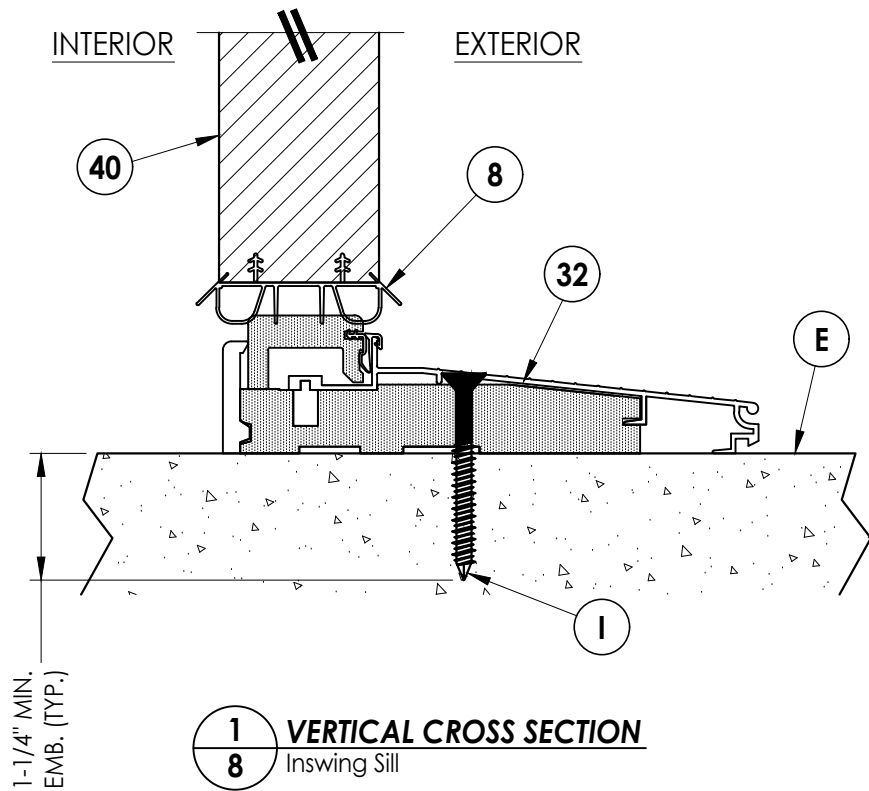
DWG. BY: MT

CHK. BY: LFS

DRAWING NO.: FL-28897.3

SHEET 7 OF 12

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



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P.E. No. 43409

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Phone No.: 813.659.9197
FBPE Registry No. 9813

PRODUCT:
THERMA-TRU
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS (THRESHOLDS)

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

DATE: 2/05/19

SCALE: N.T.S.

DWG. BY: MT

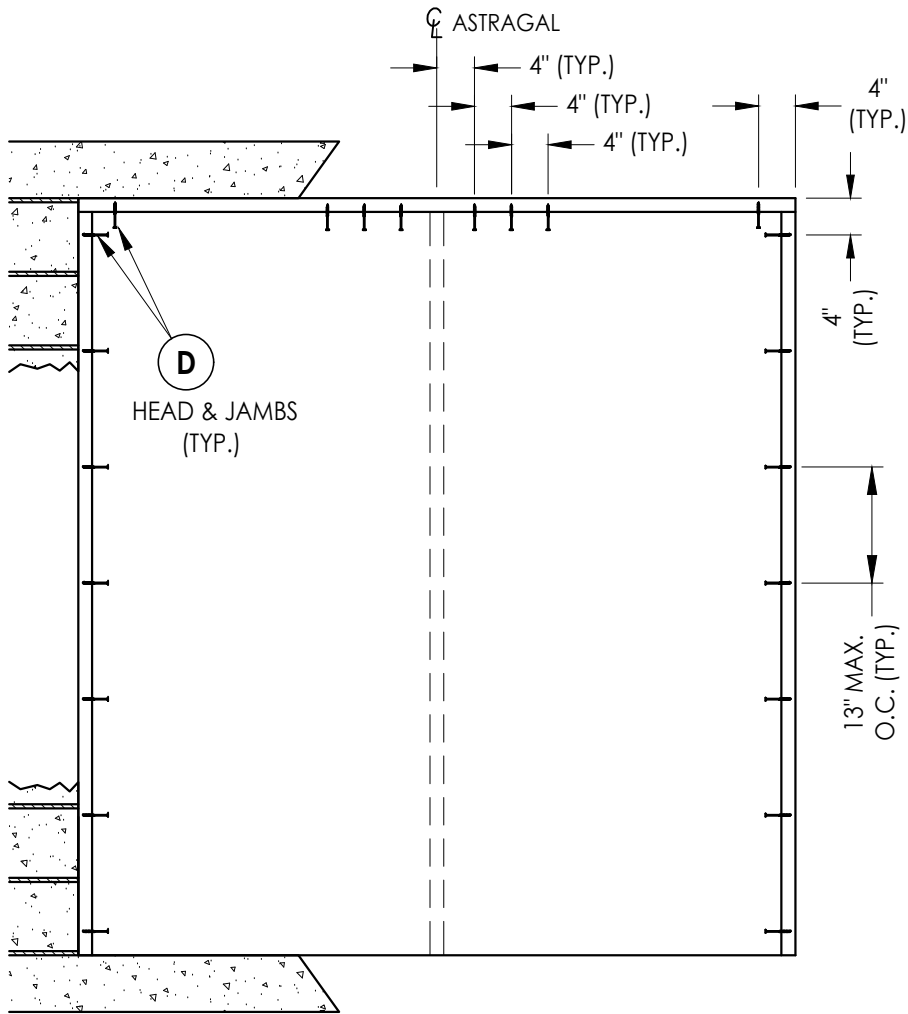
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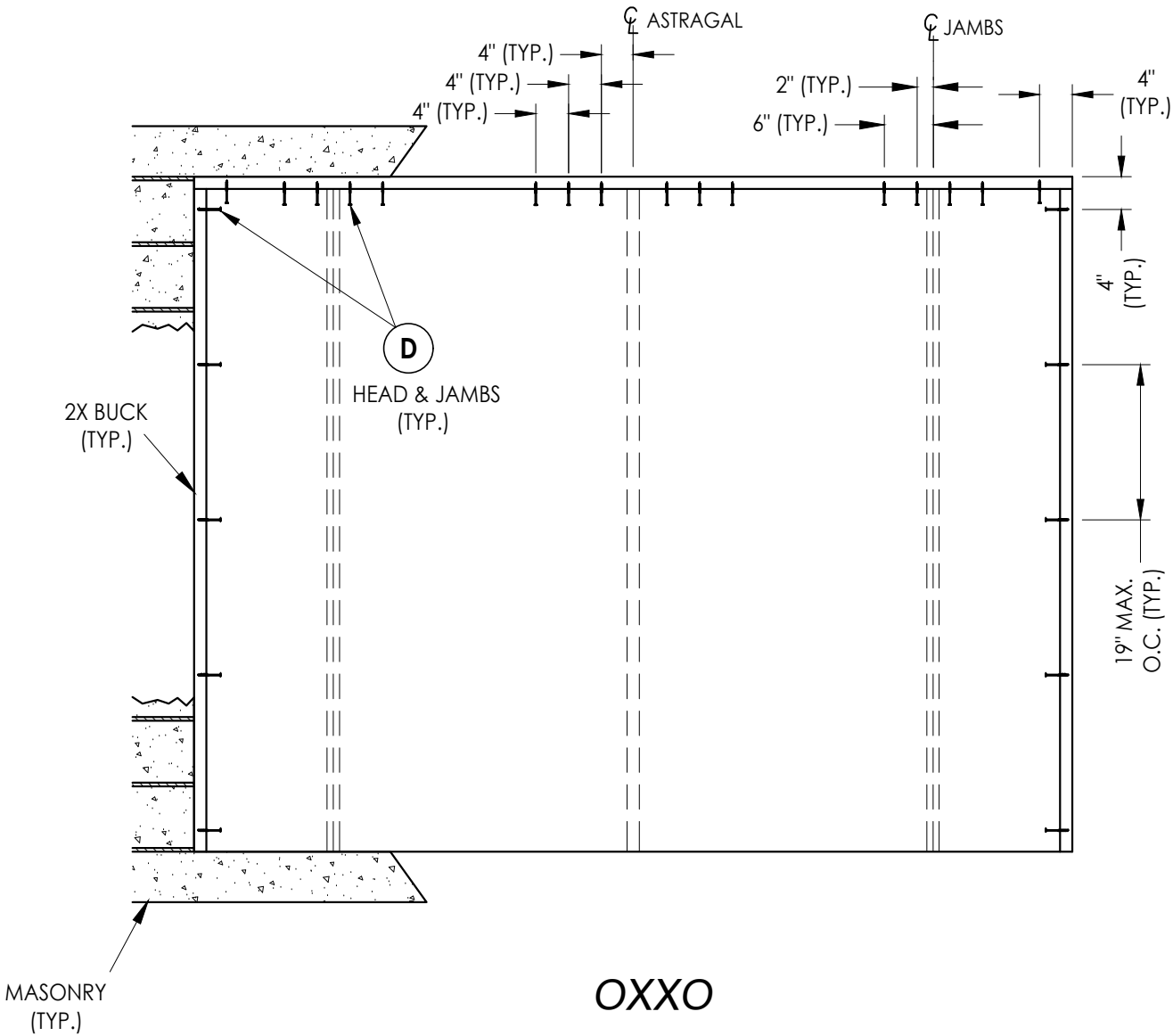
FL-28897.3

SHEET 8 OF 12

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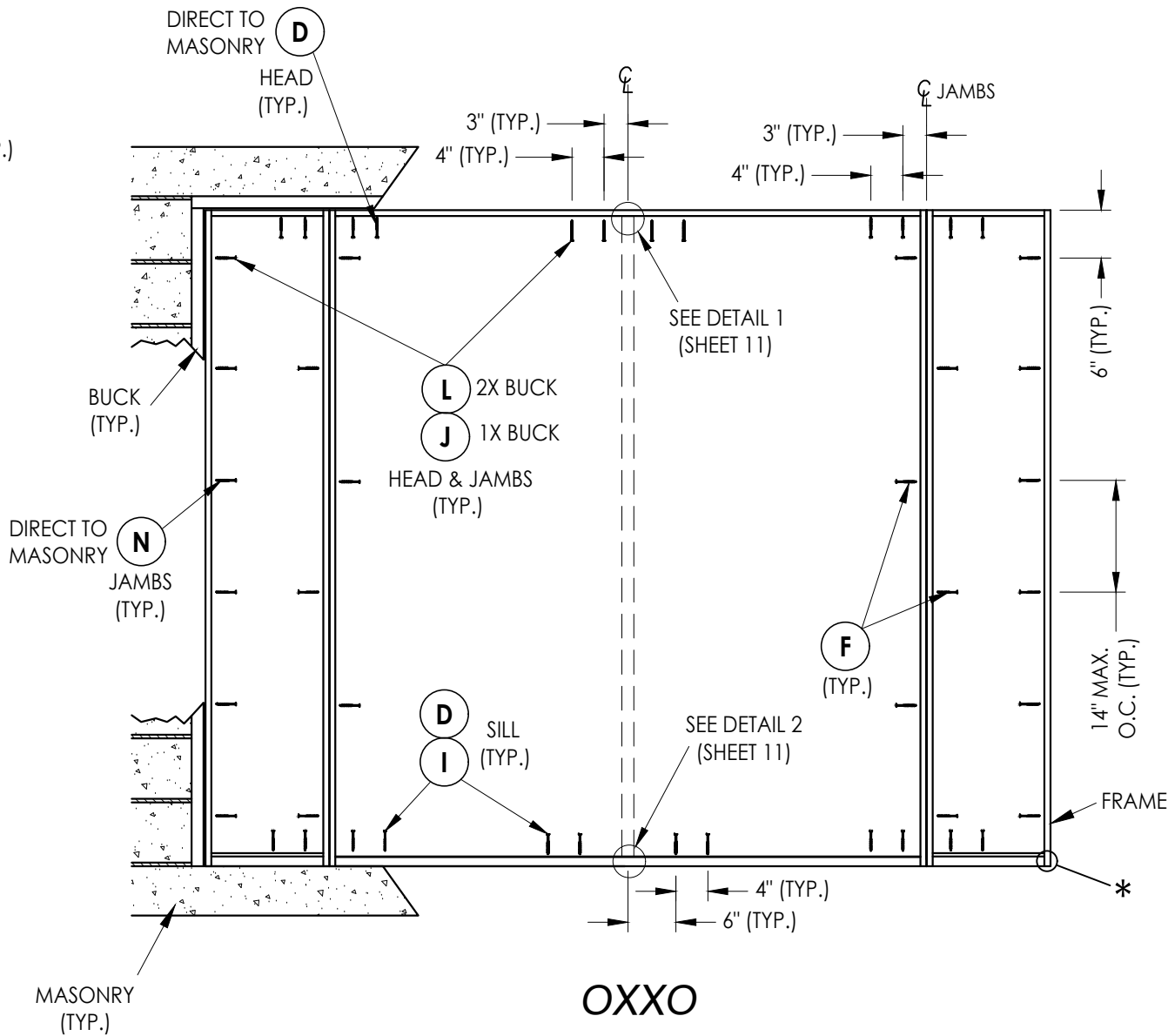
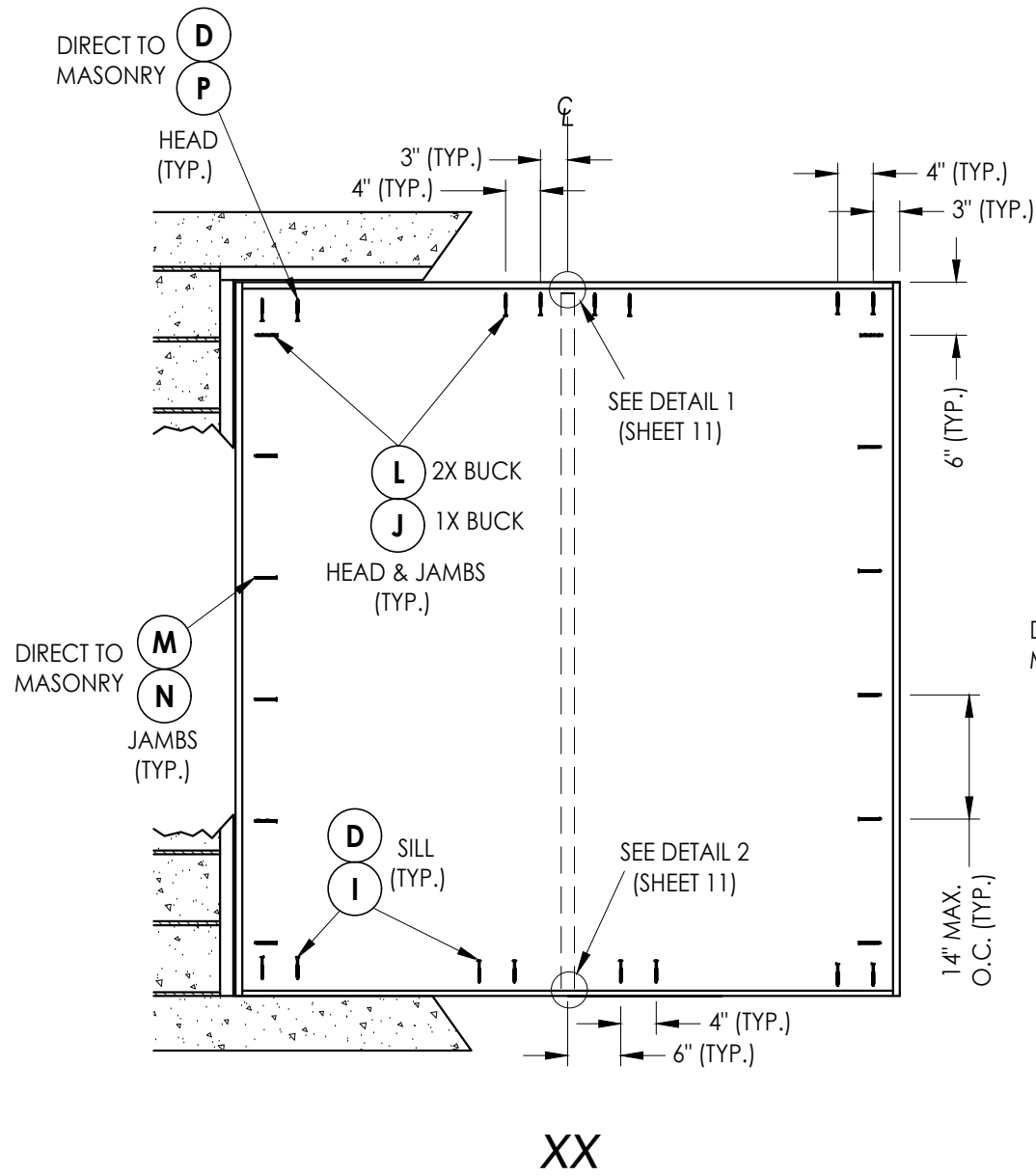


OXXO

2X BUCK ANCHORING

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PRODUCT: THERMA-TRU FIBERGLASS DOOR				PART OR ASSEMBLY: BUCK ANCHORING			
				LFS	FBC	LFS	BY
2	7/27/23	UPDATE TO 8TH ED. (2023)					
1	7/15/20	UPDATE TO 7th ED (2020)					
NO	DATE						
				REVISIONS			
DATE: 2/05/19							
SCALE: N.T.S.							
DWG. BY: MT							
CHK. BY: LFS							
DRAWING NO.: FL-28897.3							
SHEET 9 OF 12							

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



FRAME ANCHORING

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P.E. No. 43409

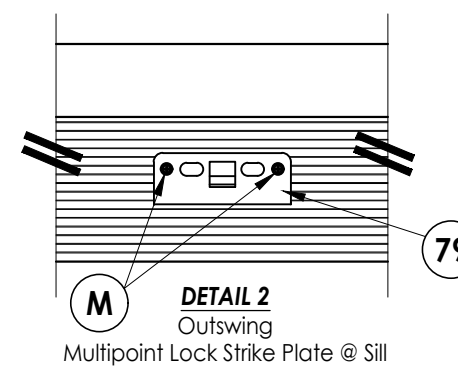
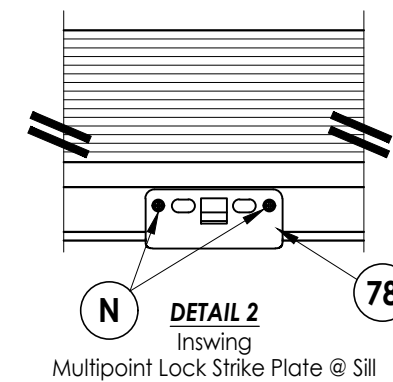
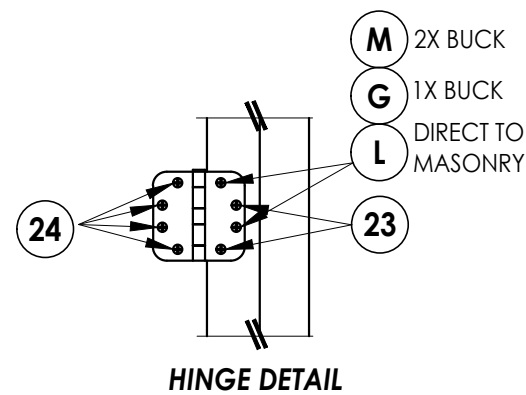
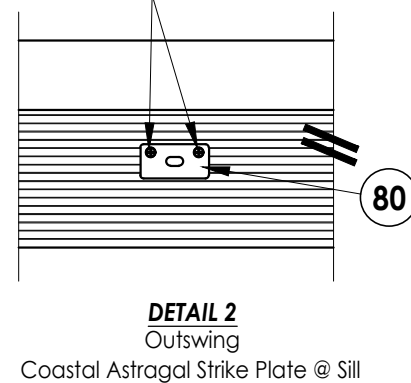
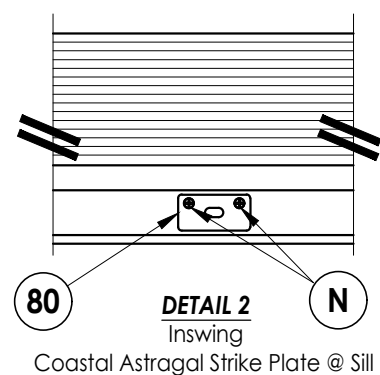
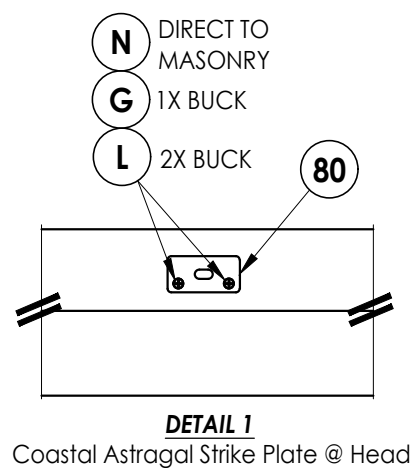
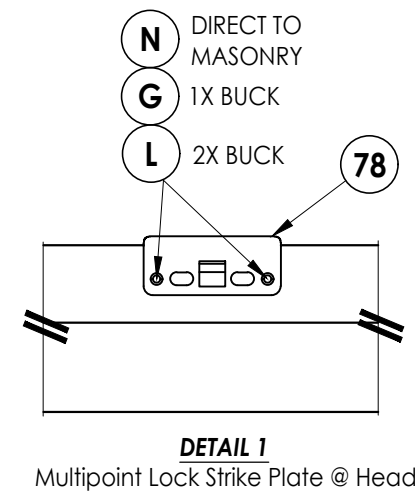
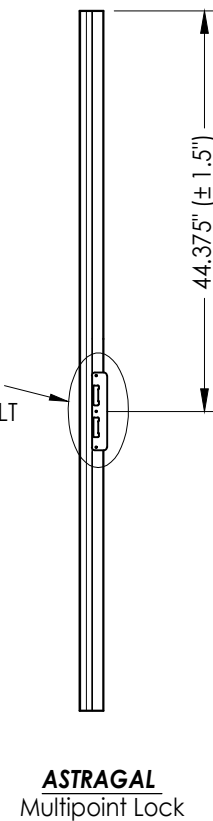
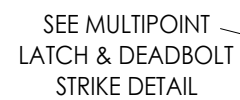
RW BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
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PRODUCT: THERMA-TRU
FIBERGLASS DOOR

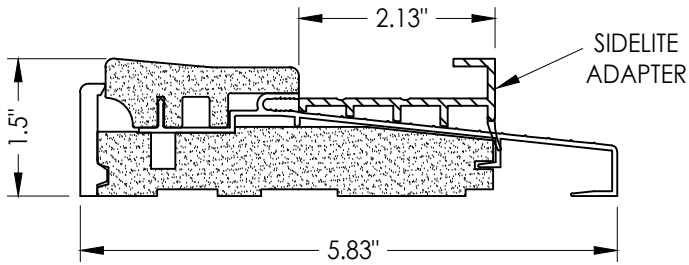
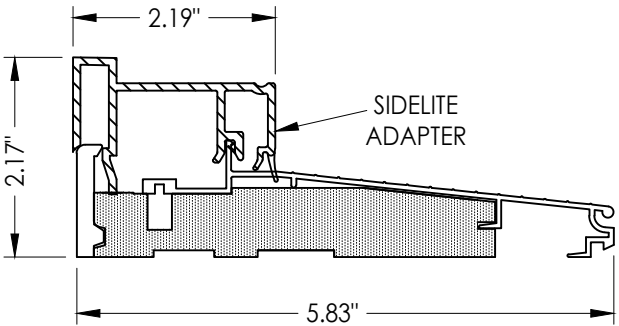
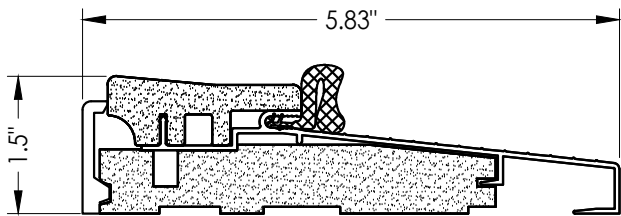
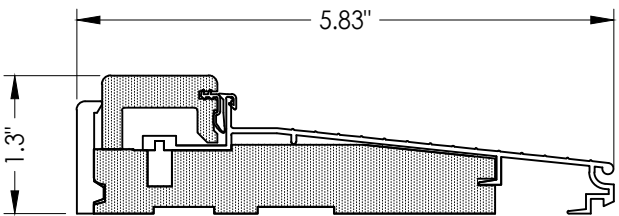
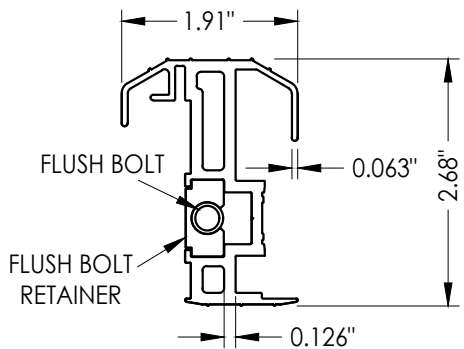
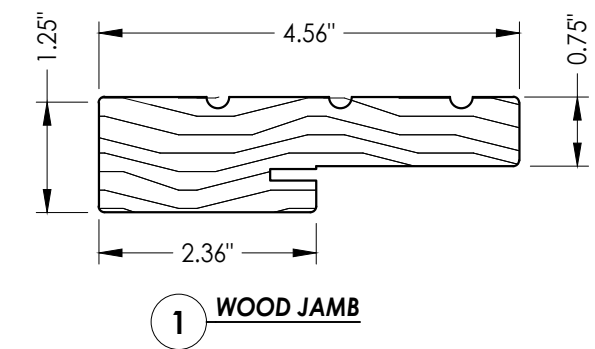
PART OR ASSEMBLY:
FRAME ANCHORING

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

DATE: 2/05/19
SCALE: N.T.S.
DWG. BY: MT
CHK. BY: LFS
DRAWING NO.: FL-28897.3
SHEET 10 OF 12

[illegible]

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



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.

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