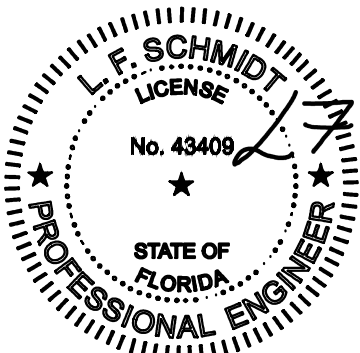
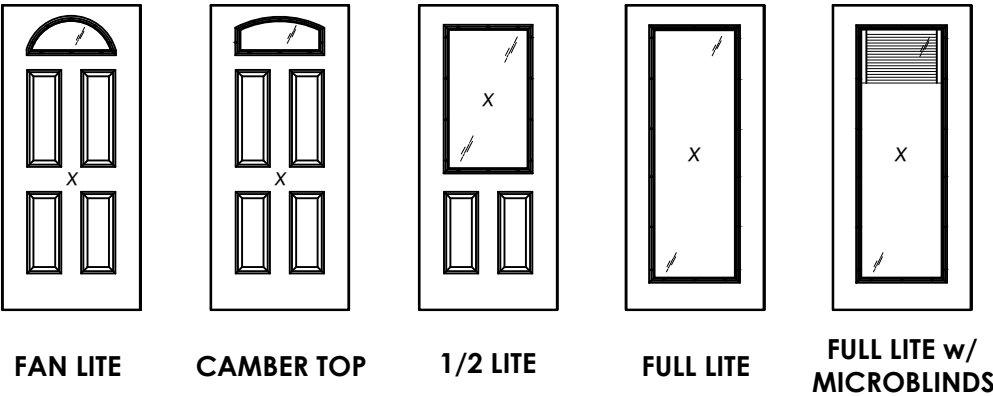




STEVE'S AND SONS

203 Humble Ave.
San Antonio, TX 78225



Digitally signed by Lyndon F Schmidt
Date: 2023.08.02 14:03:12 -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.

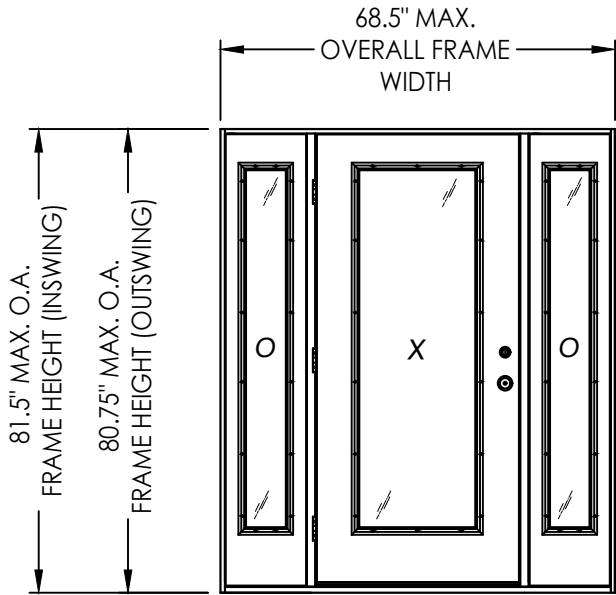
THIS PRODUCT APPROVAL IS VALID
ONLY FOR THE STATE OF FLORIDA

GLAZED FIBERGLASS DOOR
SINGLE
w/ or w/out SIDELITE(S)
INSWING/OUTSWING
"NON-IMPACT"

RELIANT CLEAR GLASS COLLECTION

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 of the FBC.
- 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.



CONTINUOUS HEAD & SILL

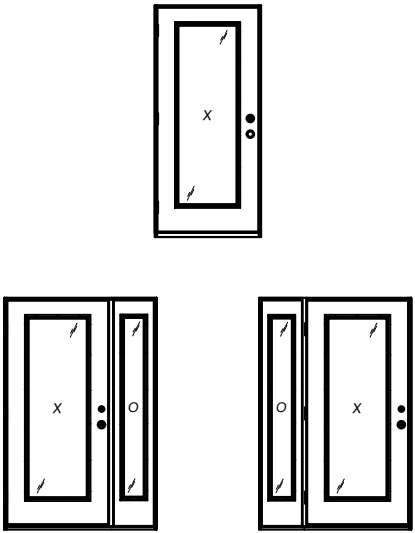
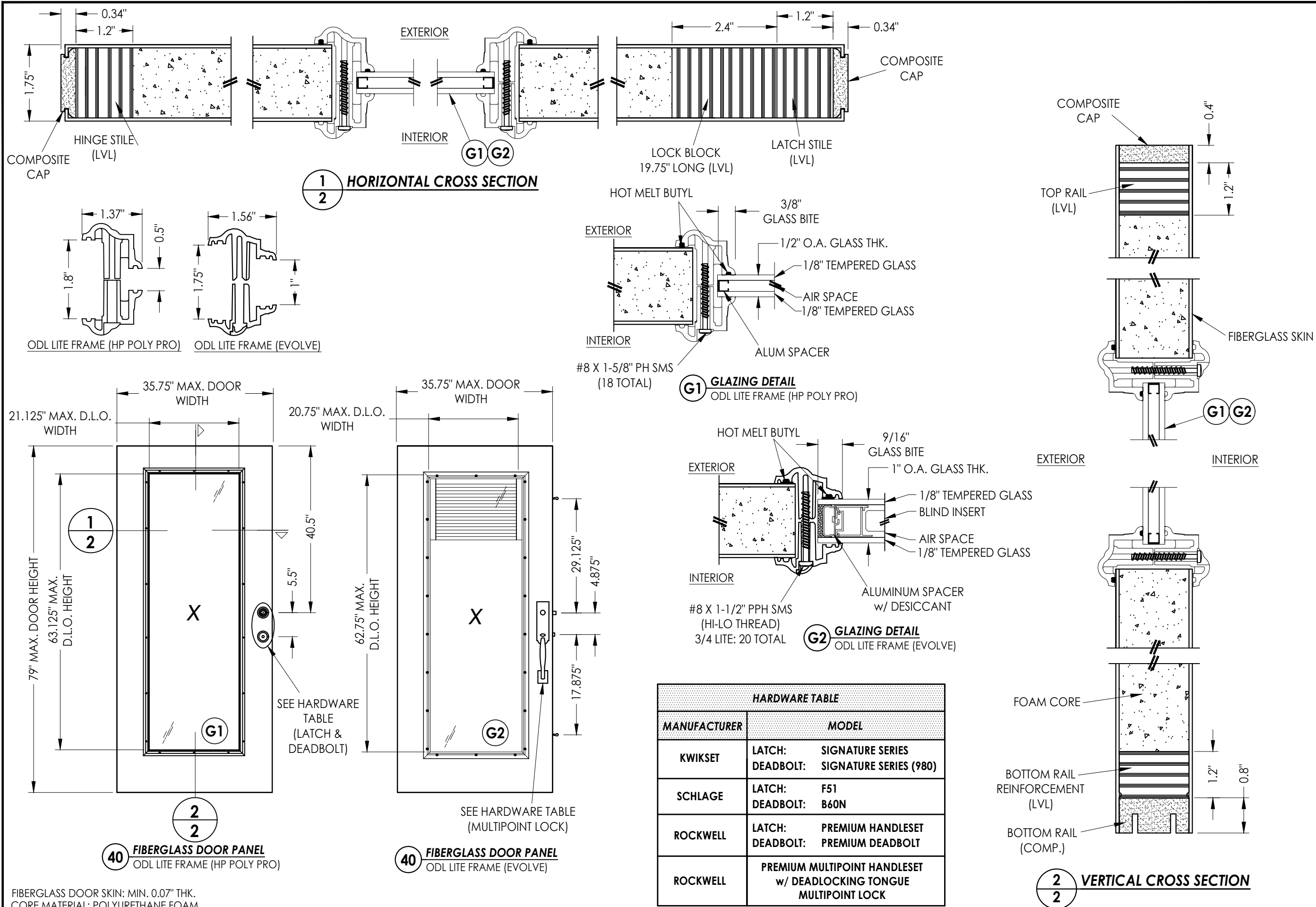


TABLE OF CONTENTS			
SHEET #	DESCRIPTION	SHEET #	
1	Typical Elevations, Design Pressures & General Notes	8	Horizontal & Vertical Cross Sections (1X Buck)
2	Door Panel Details	9	Horizontal & Vertical Cross Sections (Direct to Masonry)
3	Sidelite Panel Details	10	Vertical Cross Sections
4	Panel Options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

CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 81.5"	+40.0	-40.0	+40.0	-40.0
XO, OX, OXO	68.5" x 81.5"	+40.0	-40.0	+40.0	-40.0

PRODUCT: STEVE'S & SONS FIBERGLASS DOOR		PART OR ASSEMBLY: TYPICAL ELEVATION, DESIGN PRESSURES & GENERAL NOTES	
DATE	8/02/23	UPDATE TO	8TH ED. (2023) FBC
NO.	1	BY	LFS
REVISIONS			
DATE: 4/26/22			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-41477.3			
SHEET 1 OF 13			

Z:\2023 FBC Drawings\Steves & Sons\FL-41477 R2\FL-41477.3.dwg



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

STEVE'S & SONS
FIBERGLASS DOOR

PART OR ASSEMBLY:

DOOR
PANEL DETAILS

DATE: 4/26/22

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-41477.3

SHEET 2 OF 13

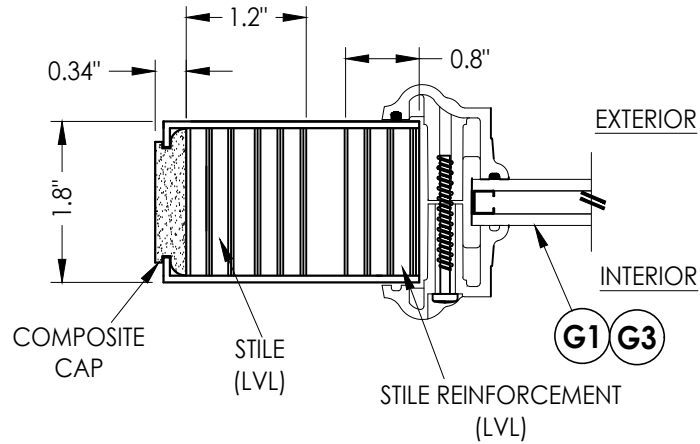
REVISIONS

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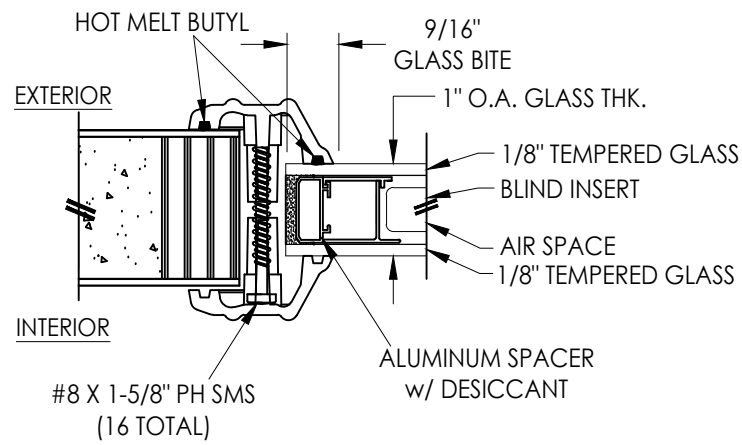
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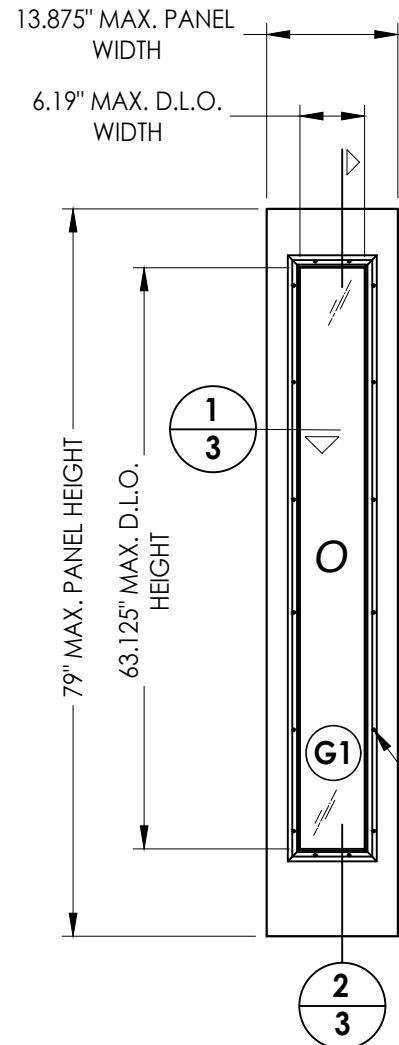
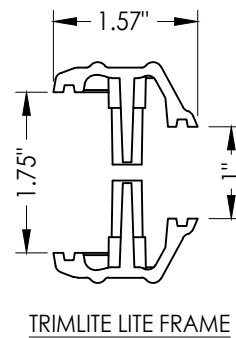
P.O. Box 230, Valrico, FL 33595
Phone No.: 813.659.9197
FBPE Registry No. 9813



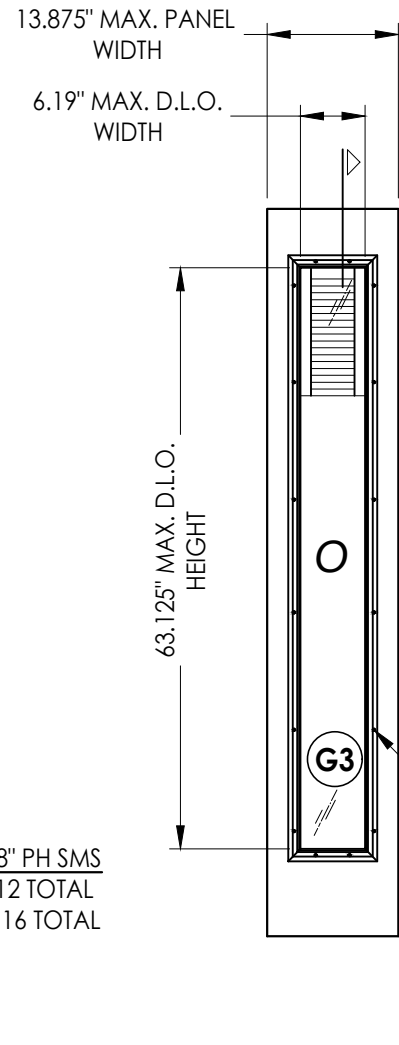
1 **HORIZONTAL CROSS SECTION**
3



G3 GLAZING DETAIL
TRIMLITE LITE FRAME

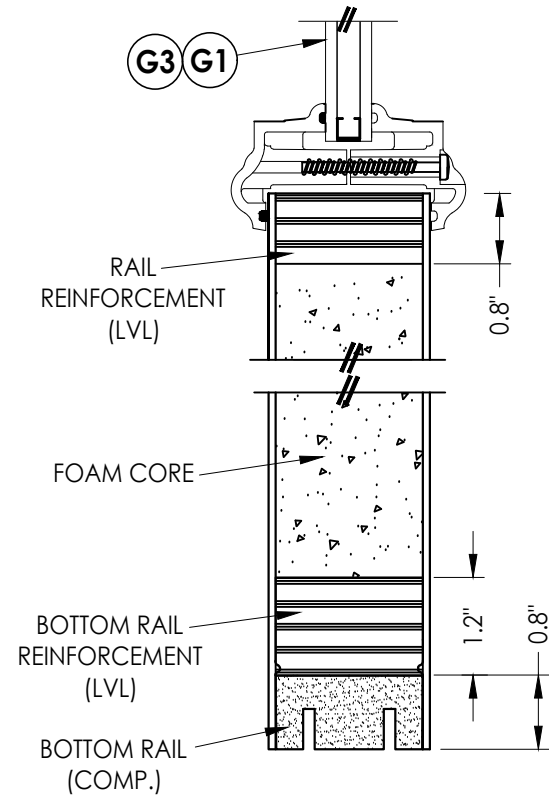
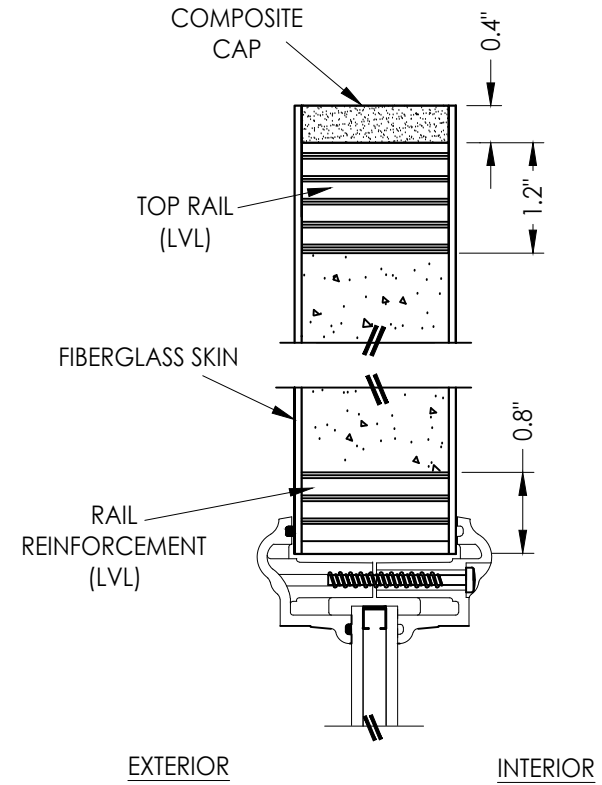


50 FIBERGLASS SIDELITE PANEL
ODL LITE FRAME (HP POLY PRO)



50 FIBERGLASS SIDELITE PANEL
TRIMLITE LITE FRAME

FIBERGLASS SKIN: 0.07" MIN. THK.
FOAM CORE: POLYURETHANE - 1.9 PCF MIN.)



2 VERTICAL CROSS SECTION

[illegible]

DATE: 4/26/22

SCALE: *N.T.S.*

DWG. BY: *RW*

CHK. BY: *LFS*

DRAWING NO.:

FL-41477.3

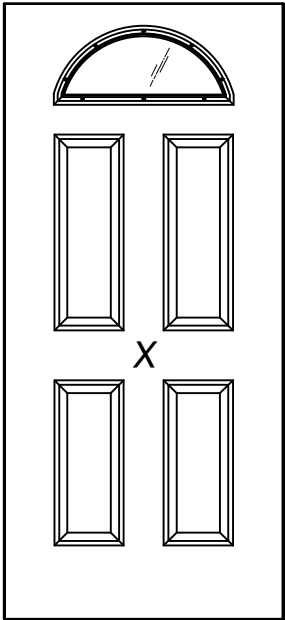
SHEET 3 OF 13

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

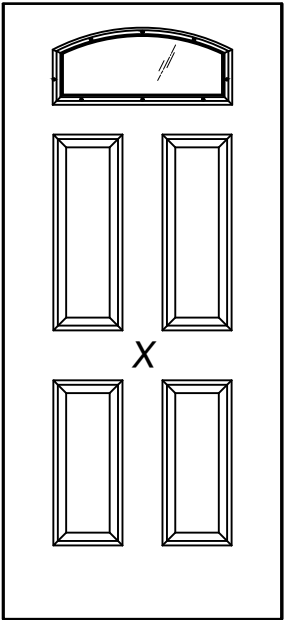
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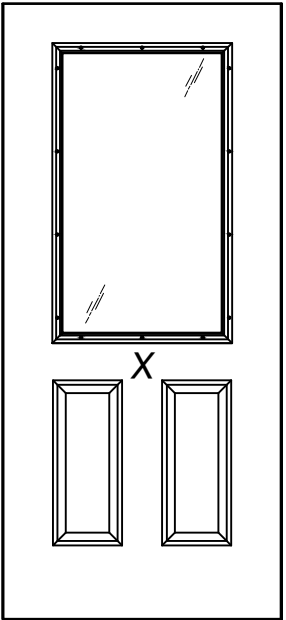
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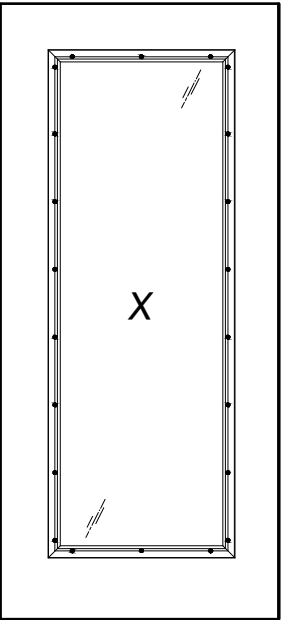
FAN LITE



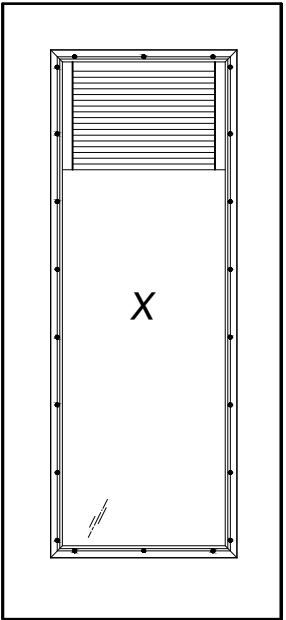
CAMBER TOP



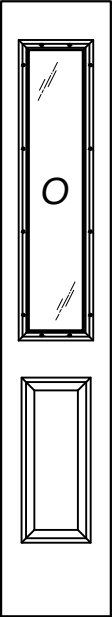
1/2 LITE



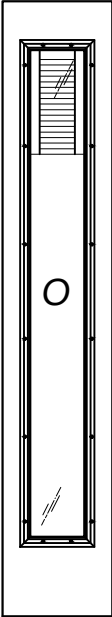
FULL LITE



FULL LITE
w/
MICROBLINDS



1/2 LITE



FULL LITE

RELIANT CLEAR GLASS COLLECTION

RELIANT SIDELITE

DATE: 4/26/22

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:
FL-41477.3

SHEET 4 OF 13

NO.	DATE	UPDATE TO 8TH ED. (2023)	FBC	LFS	BY
1	8/02/23				

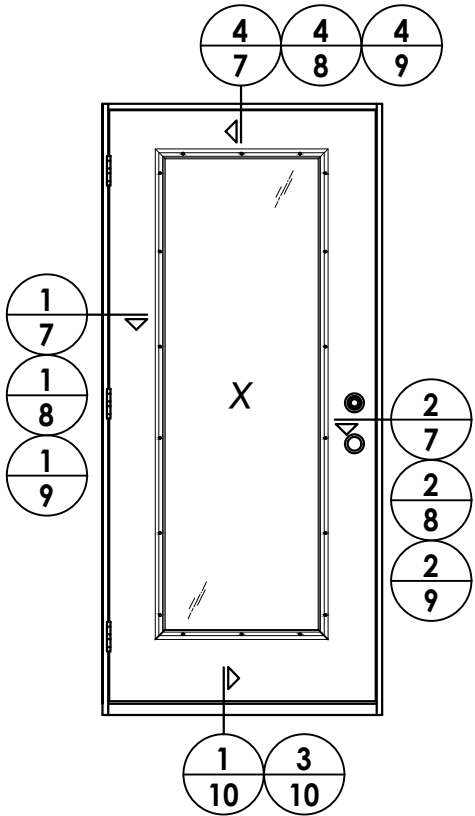
© 2022 R.W. BUILDING CONSULTANTS INC.

PRODUCT:	STEVE'S & SONS FIBERGLASS DOOR
PART OR ASSEMBLY:	DOOR PANLE OPTIONS

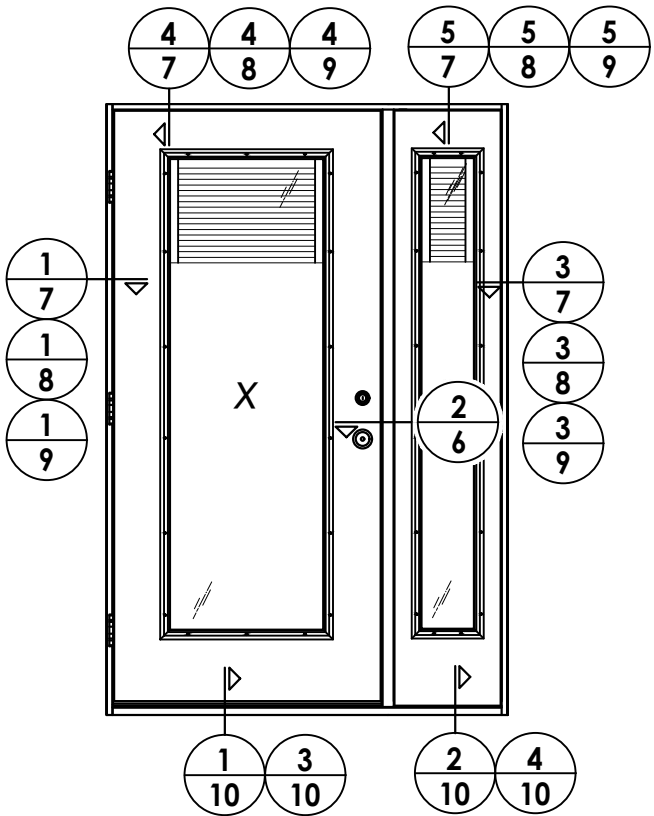
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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

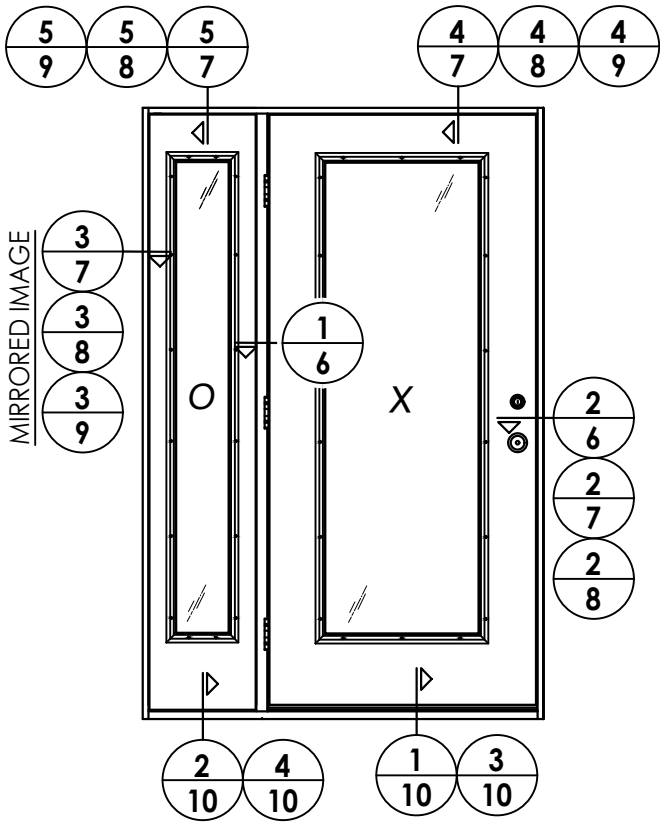
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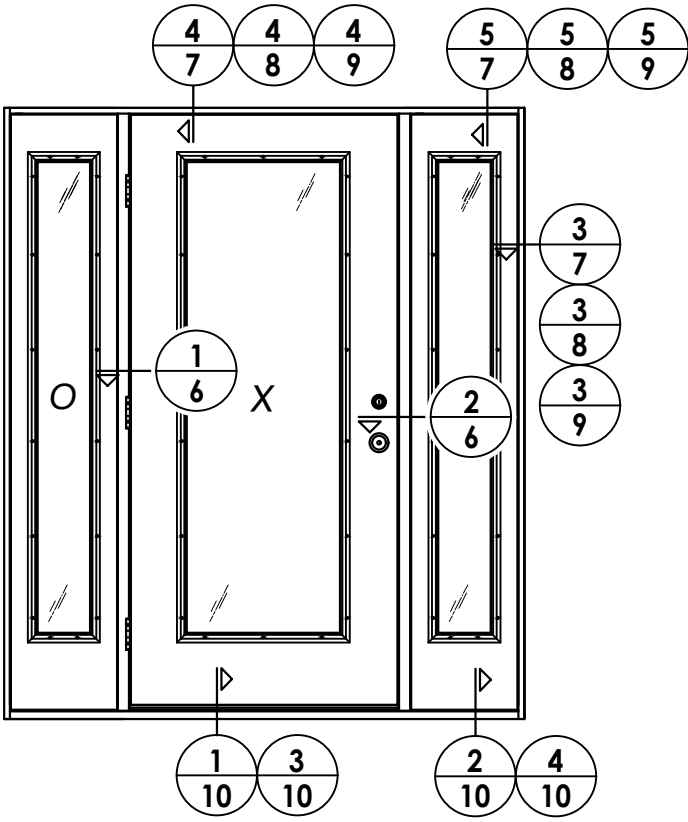
ELEVATION
X



ELEVATION
XO / OX



ELEVATION
OX / XO
(CENTER HINGED)



ELEVATION
OXO

DATE: 4/26/22
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-41477.3
SHEET 5 OF 13

NO.	DATE	DESCRIPTION	BY
1	8/02/23	UPDATE TO 8TH ED. (2023) FBC	LFS

PRODUCT:
STEVE'S & SONS
FIBERGLASS DOOR

PART OR ASSEMBLY:
ELEVATIONS

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

1. Sidelite assembly screws located @ 3" & 19" from each end of mullion (4 total).
2. Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 6" o.c. max.



EXTERIOR

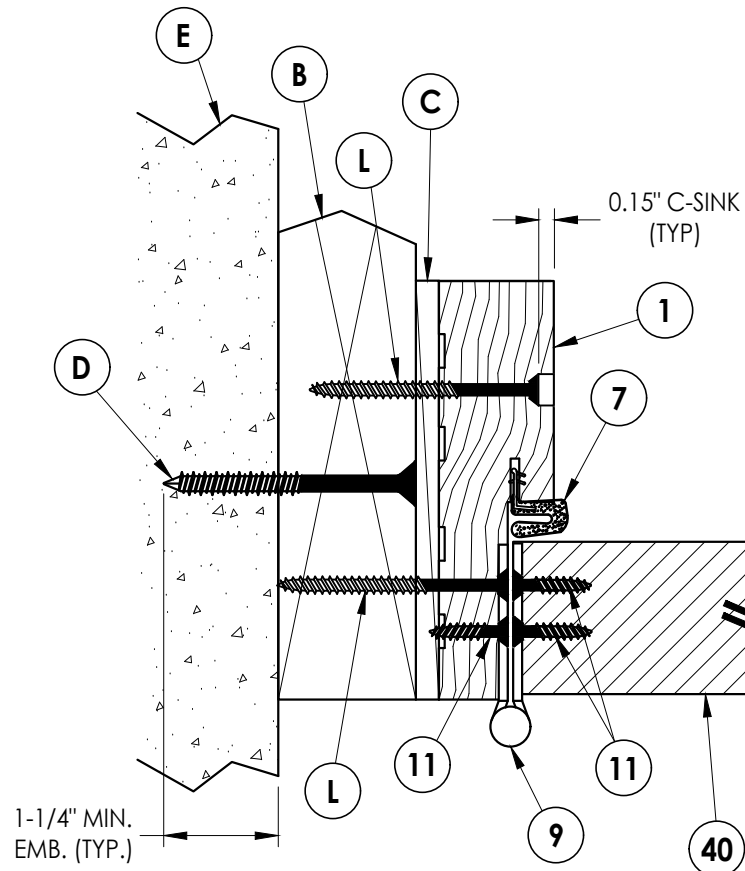


DATE:	4/26/22
SCALE:	N.T.S.
DWG. BY:	RW
CHK. BY:	LFS
DRAWING NO.:	FL-41477.3
SHEET	6 OF 13

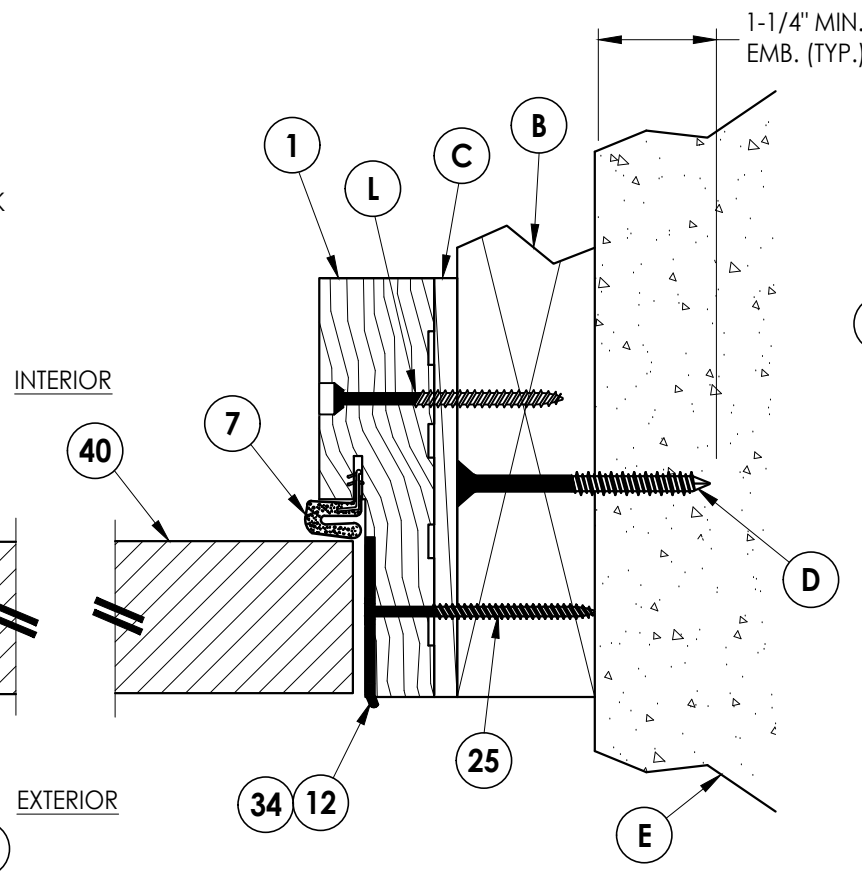
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P.O. Box 230, Valrico, FL 333
Phone No.: 813.659.9197
FBPE Registry No. 9813

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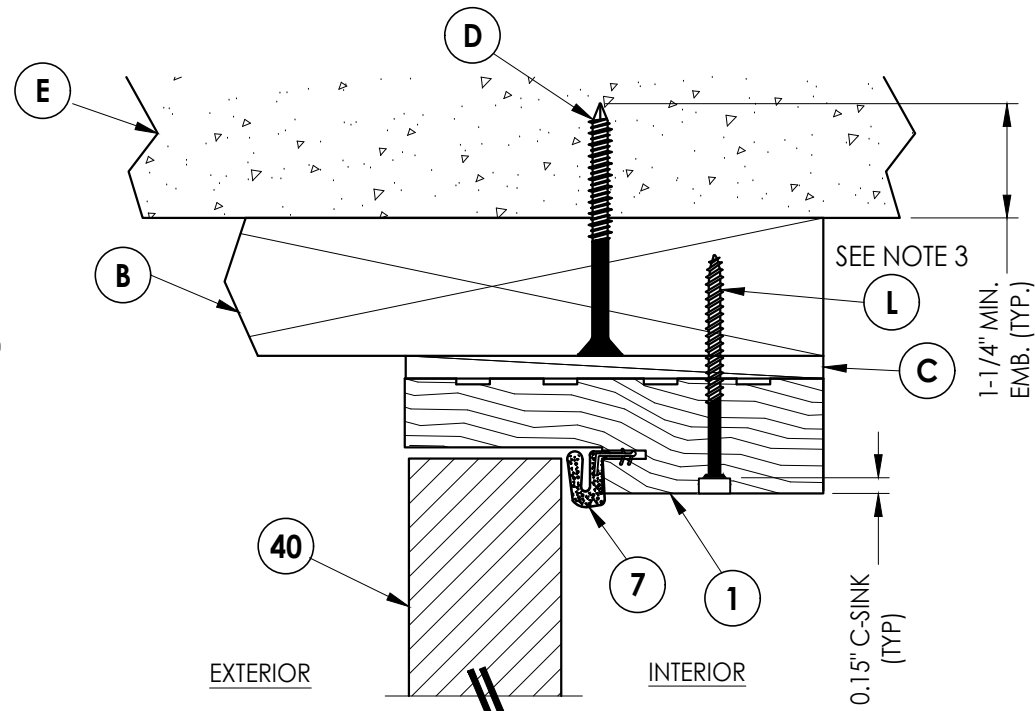
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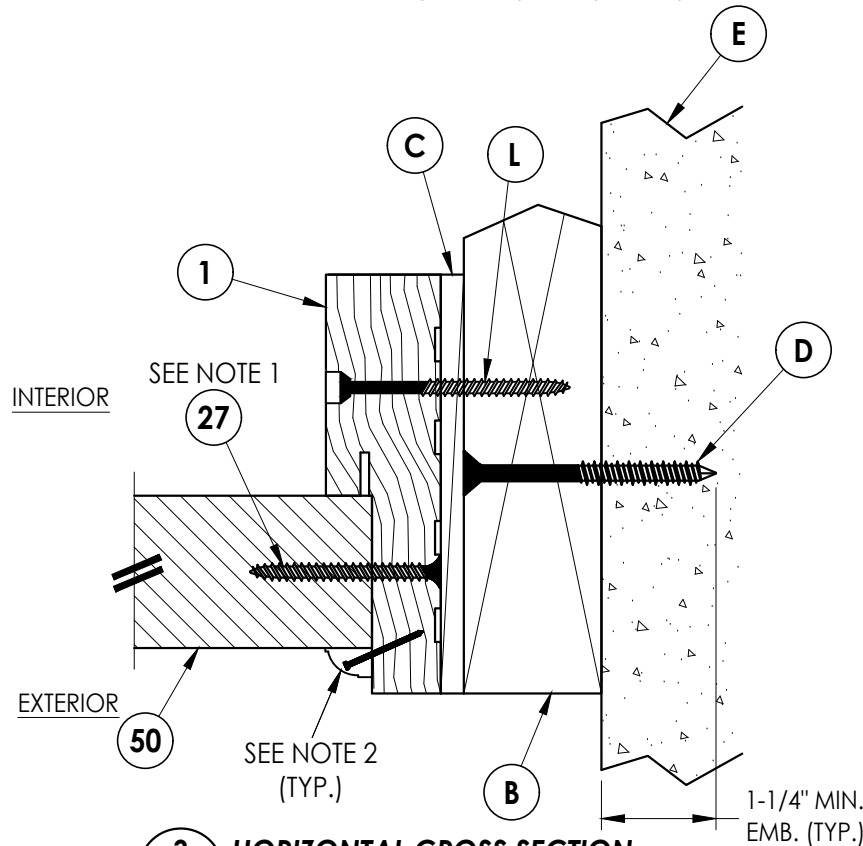
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7 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



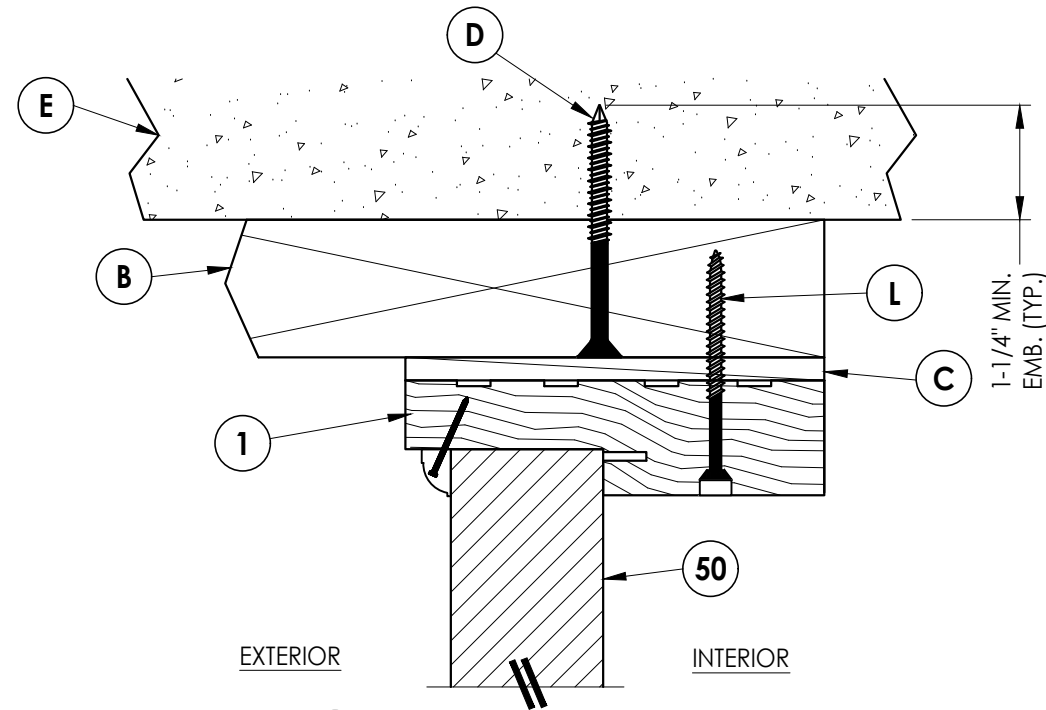
2
7 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing shown (Inswing similar)



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



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



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

NOTES:

1. Sidelite assembly screws located 4" from each end plus 4 more equally spaced along jamb (6 total).
2. Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 6" o.c. max.
3. Anchor @ head is not required for single door (X) only.

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:
STEVE'S & SONS
FIBERGLASS DOOR

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

NO.	DATE	REVISIONS
1	8/02/23	UPDATE TO 8TH ED. (2023) FBC
		LFS
		BY

DATE: 4/26/22

SCALE: N.T.S.

DWG. BY: RW

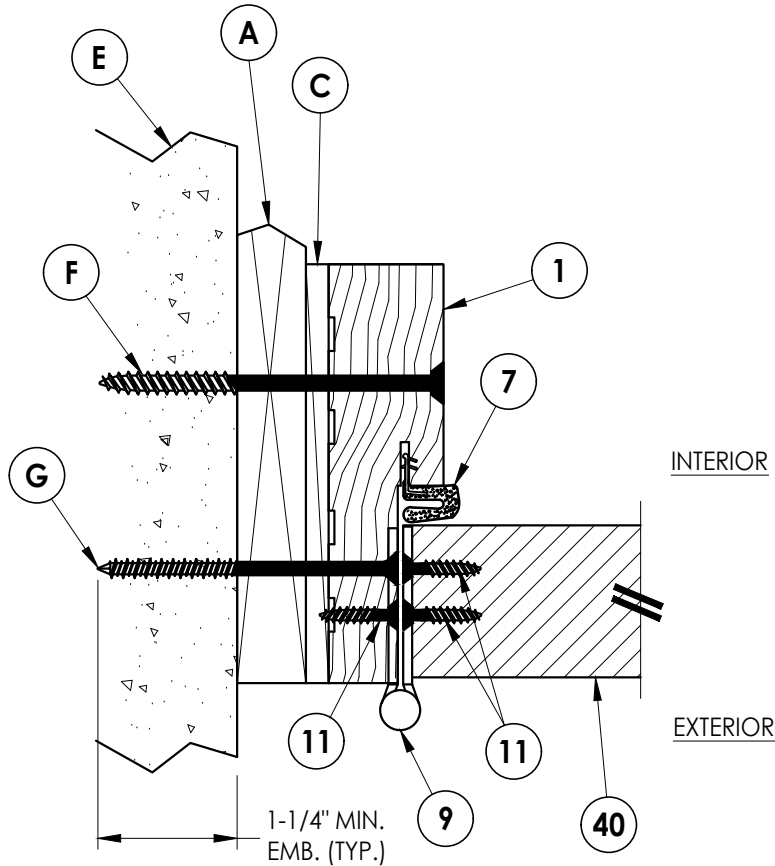
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DRAWING NO.:

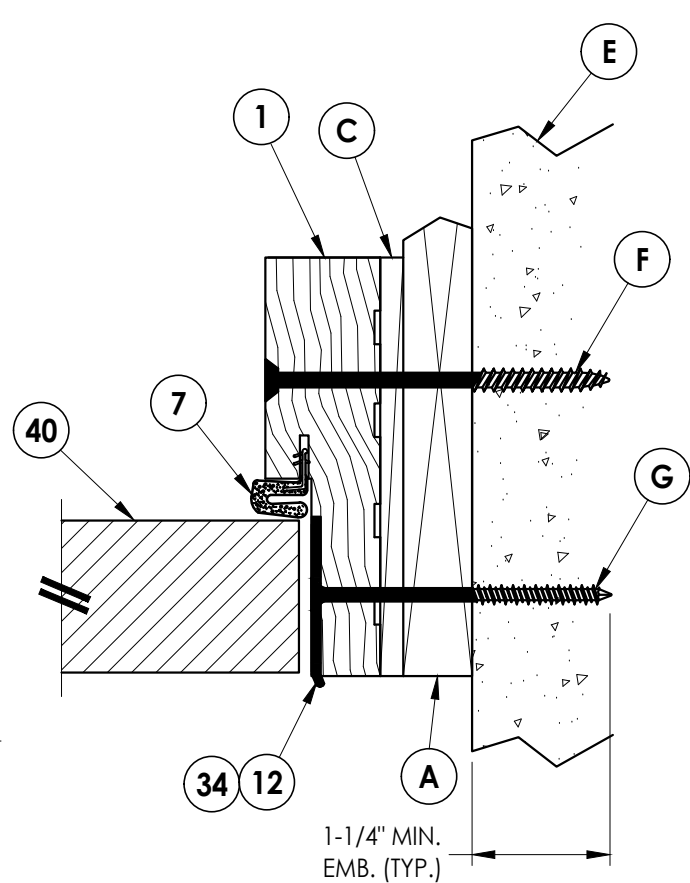
FL-41477.3

SHEET 7 OF 13

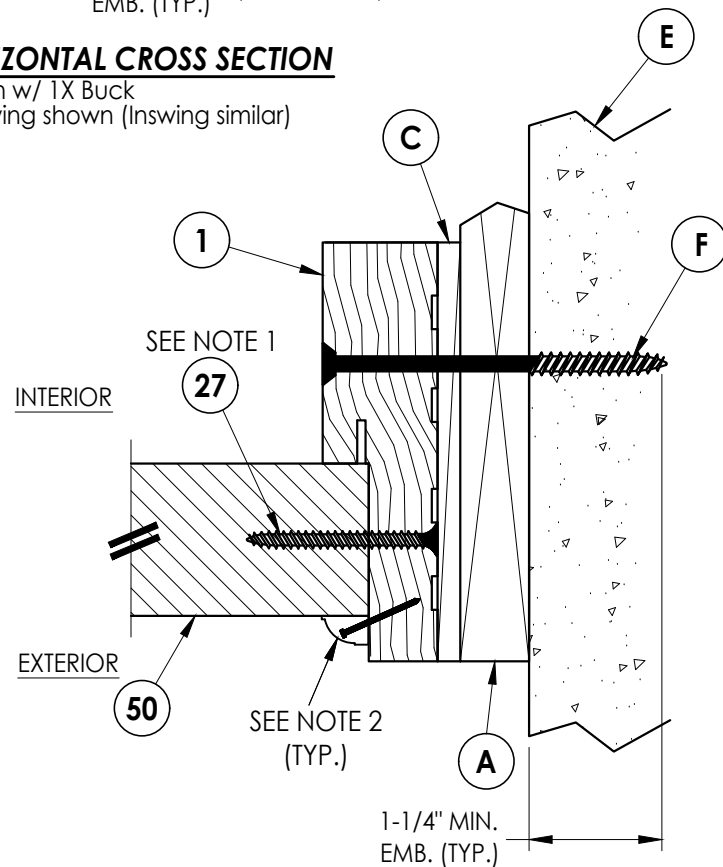
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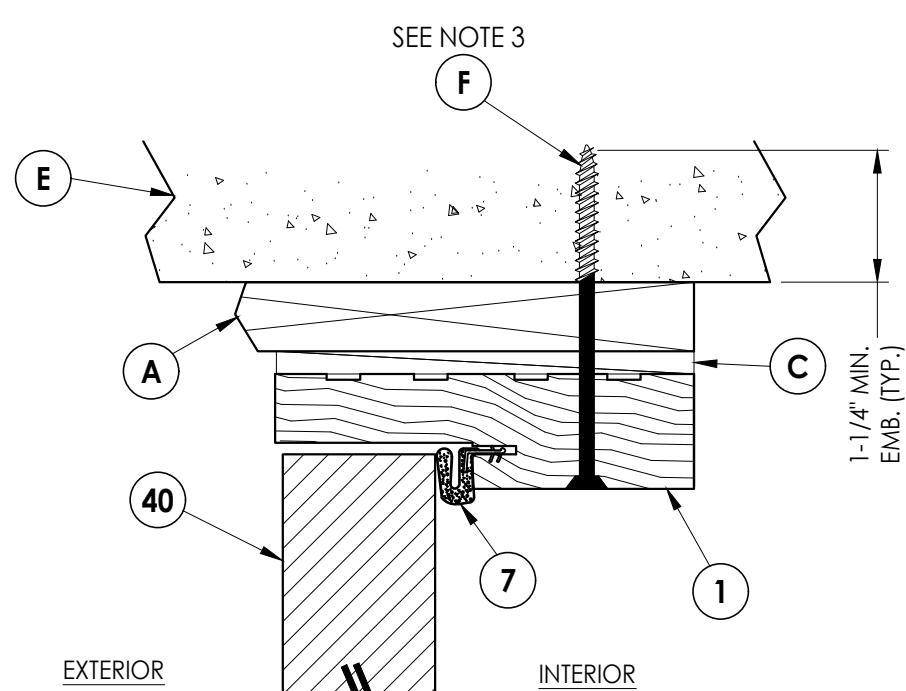
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8 **HORIZONTAL CROSS SECTION**
Shown w/ 1X Buck
Outswing shown (Inswing similar)



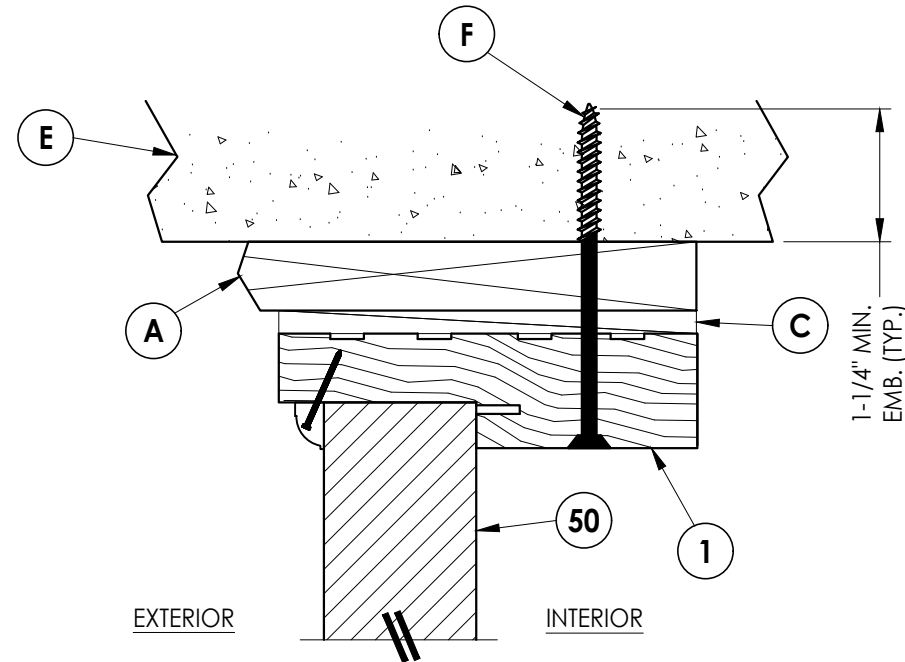
2
8 **HORIZONTAL CROSS SECTION**
Shown w/ 1X Buck
Outswing shown (Inswing similar)



3
8 **HORIZONTAL CROSS SECTION**
Shown w/ 1X Buck
Outswing shown (Inswing similar)



4
8 **VERTICAL CROSS SECTION**
Shown w/ 1X Buck
Outswing shown (Inswing similar)



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

- NOTES:
1. Sidelite assembly screws located 4" from each end plus 4 more equally spaced along jamb (6 total).
 2. Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 6" o.c. max.
 3. Anchor @ head is not required for single door (X) only.

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: STEVES & SONS
FIBERGLASS DOOR

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

NO.	DATE	REVISIONS	LFS	BY
1	8/02/23	UPDATE TO 8TH ED. (2023) FBC		

DATE: 4/26/22

SCALE: N.T.S.

DWG. BY: RW

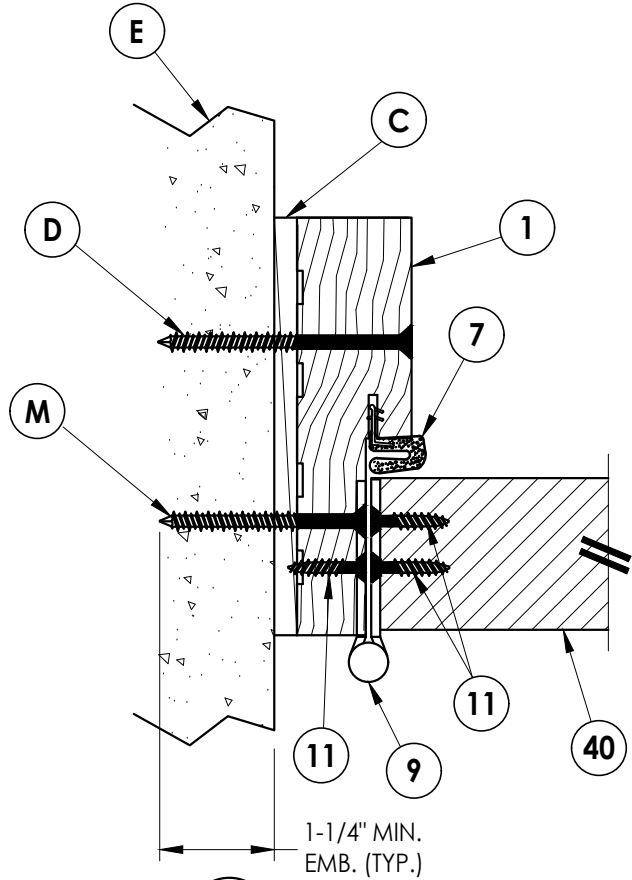
CHK. BY: LFS

DRAWING NO.:

FL-41477.3

SHEET 8 OF 13

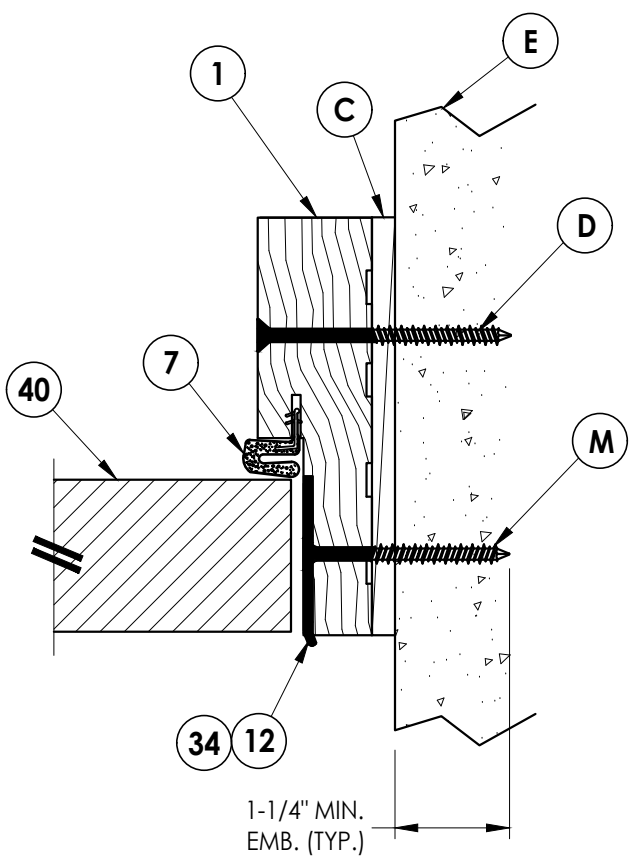
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1
9 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)

INTERIOR

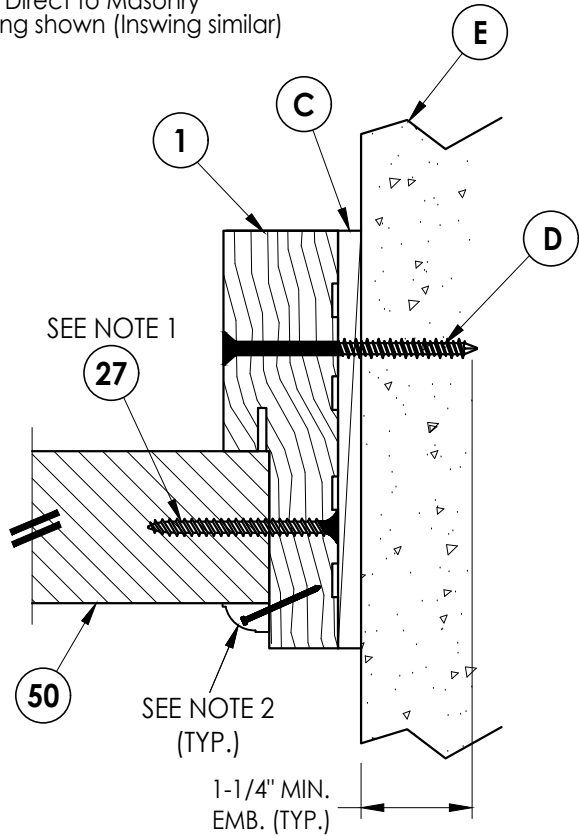
EXTERIOR



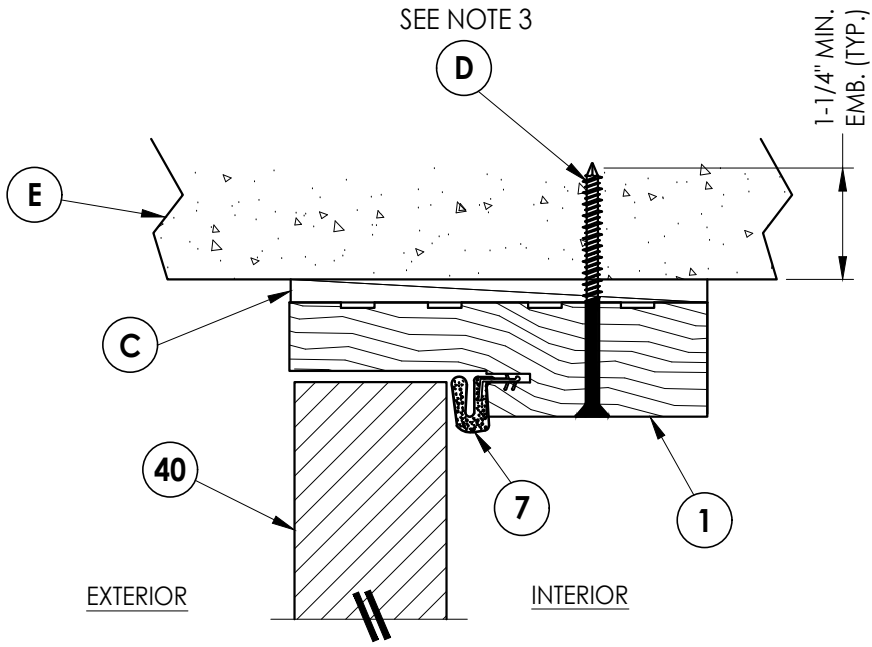
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9 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)

INTERIOR

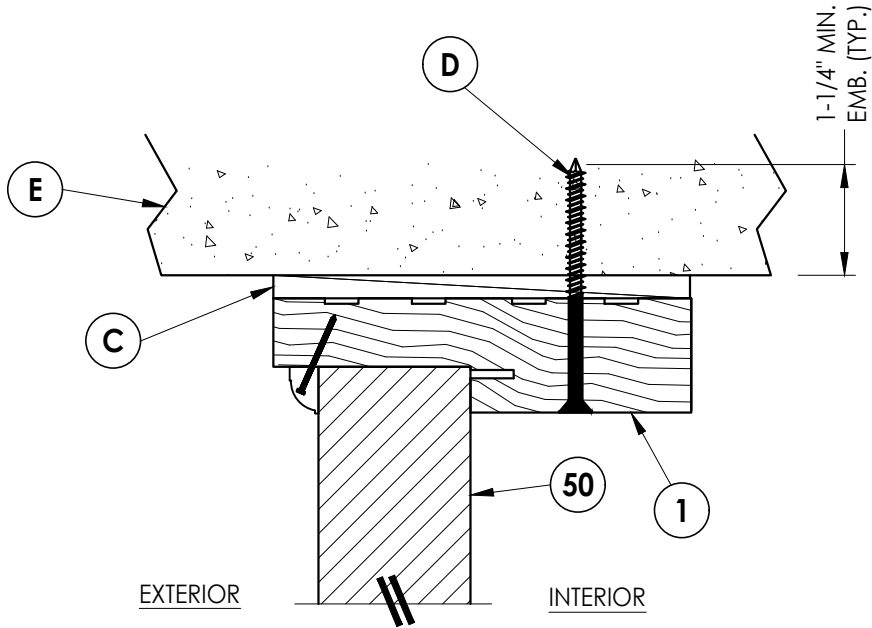
EXTERIOR



3
9 **HORIZONTAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)



4
9 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)



5
9 **VERTICAL CROSS SECTION**
Shown Direct to Masonry
Outswing shown (Inswing similar)

NOTES:

1. Sidelite assembly screws located 4" from each end plus 4 more equally spaced along jamb (6 total).
2. Moulding secured w/ 16 GA. X 1" brad nails located 1" from ends & 6" o.c. max.
3. Anchor @ head is not required for single door (X) only.

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:
STEVE'S & SONS
FIBERGLASS DOOR

PART OR ASSEMBLY:
HORIZONTAL & VERTICAL CROSS
SECTIONS (DIRECT TO MASONRY)

REVISIONS			
NO.	DATE	BY	REVISIONS
1	8/02/23	FBC	UPDATE TO 8TH ED. (2023)

DATE: 4/26/22

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

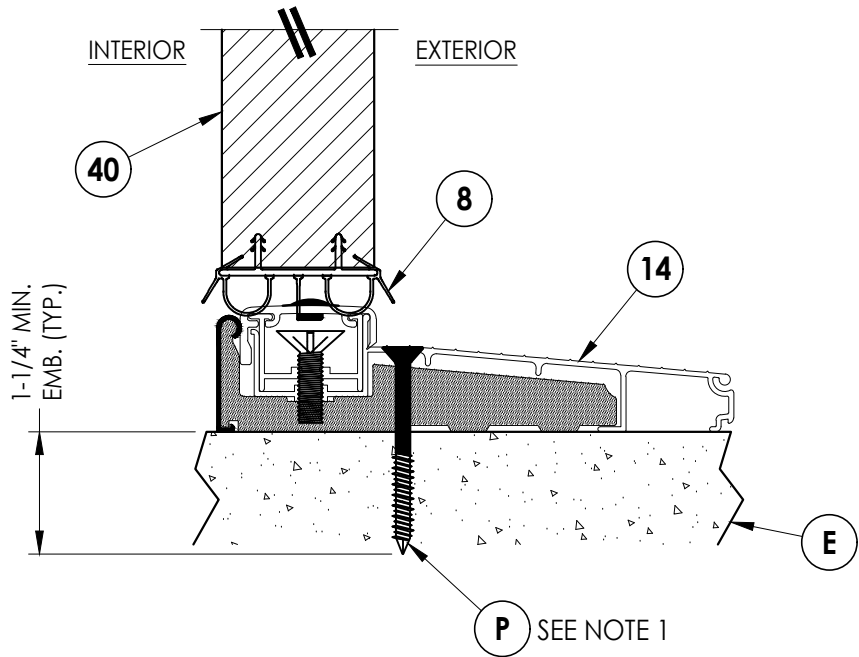
DRAWING NO.:

FL-41477.3

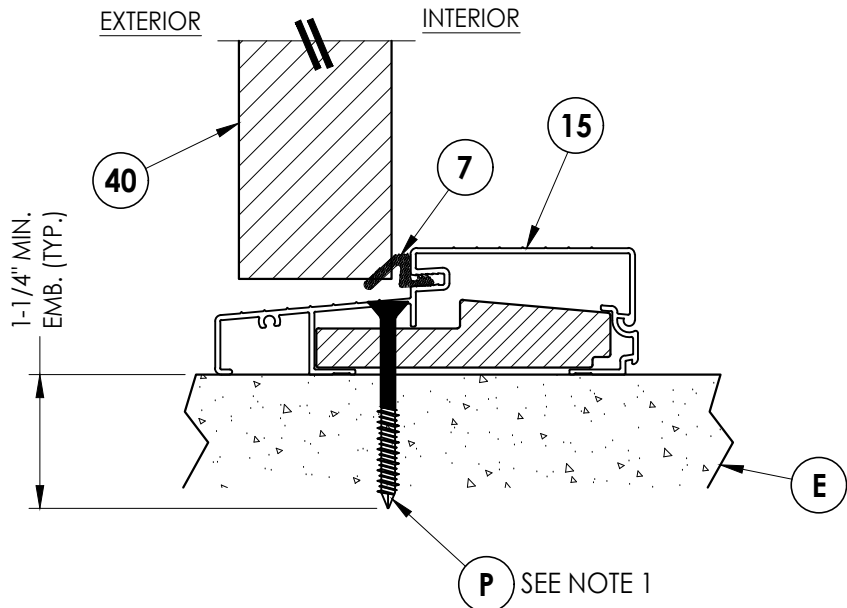
SHEET 9 OF 13

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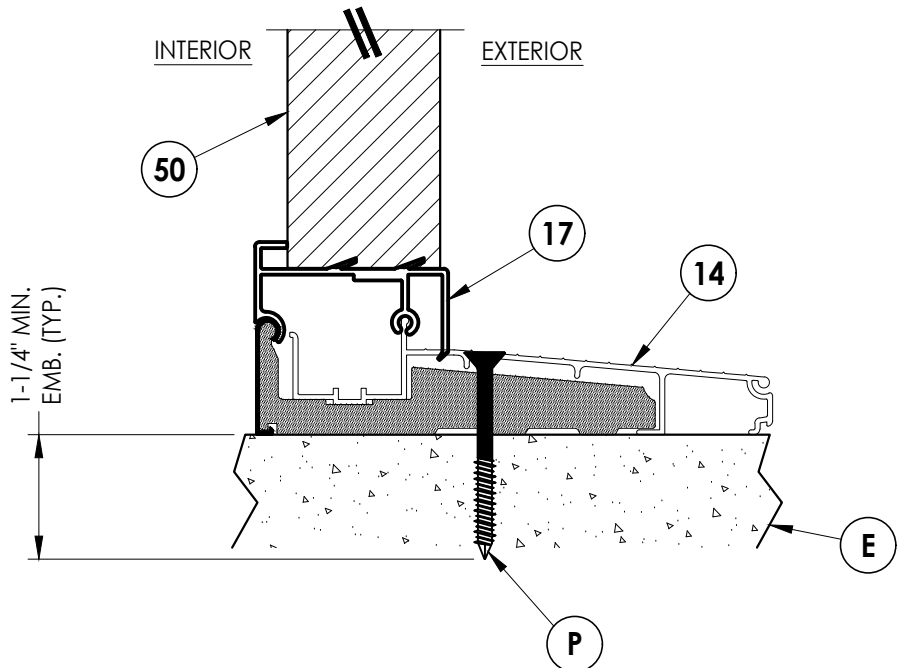
Note:
1. Anchor @ sill is not required for single door (X) only.



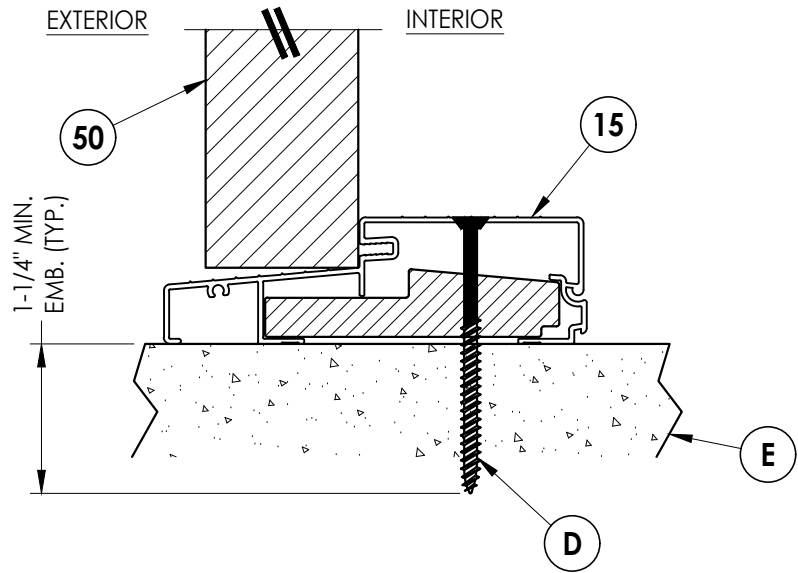
1
10 **VERTICAL CROSS SECTION**
Inswing Threshold



2
10 **VERTICAL CROSS SECTION**
Outswing Threshold



3
10 **VERTICAL CROSS SECTION**
Inswing Threshold



4
10 **VERTICAL CROSS SECTION**
Outswing Threshold

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:
STEVE'S & SONS
FIBERGLASS DOOR

PART OR ASSEMBLY:
VERTICAL CROSS
SECTIONS

NO.	DATE	REVISIONS	
		DESCRIPTION	BY
1	8/02/23	UPDATE TO 8TH ED. (2023) FBC	LFS

DATE: 4/26/22

SCALE: N.T.S.

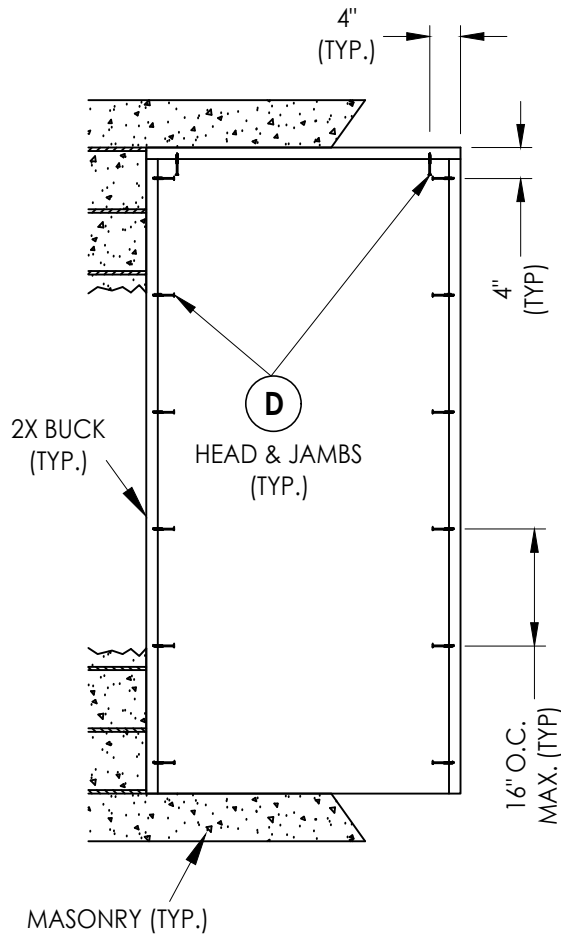
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CHK. BY: LFS

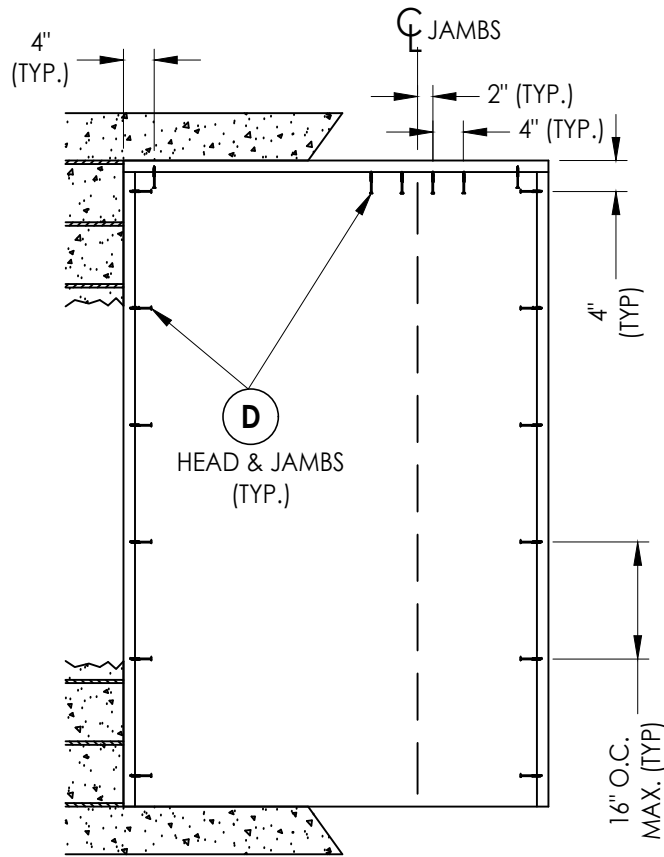
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FL-41477.3

SHEET 10 OF 13

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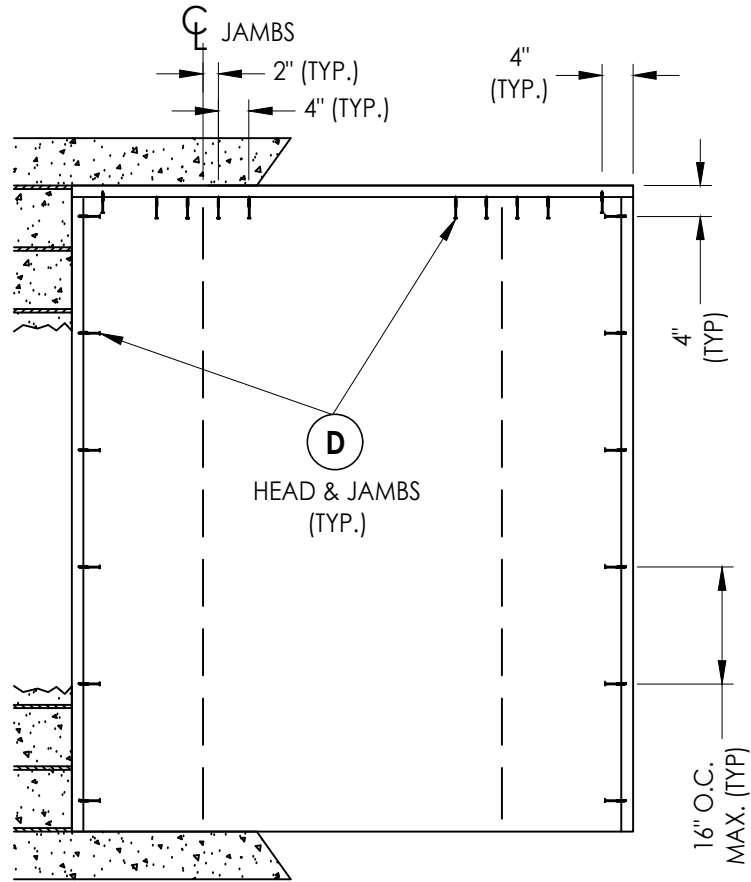


X



XO, OX

2X BUCK ANCHORING



OXO

DATE: 4/26/22

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-41477.3

SHEET 11 OF 13

PRODUCT:
STEVES & SONS
FIBERGLASS DOOR

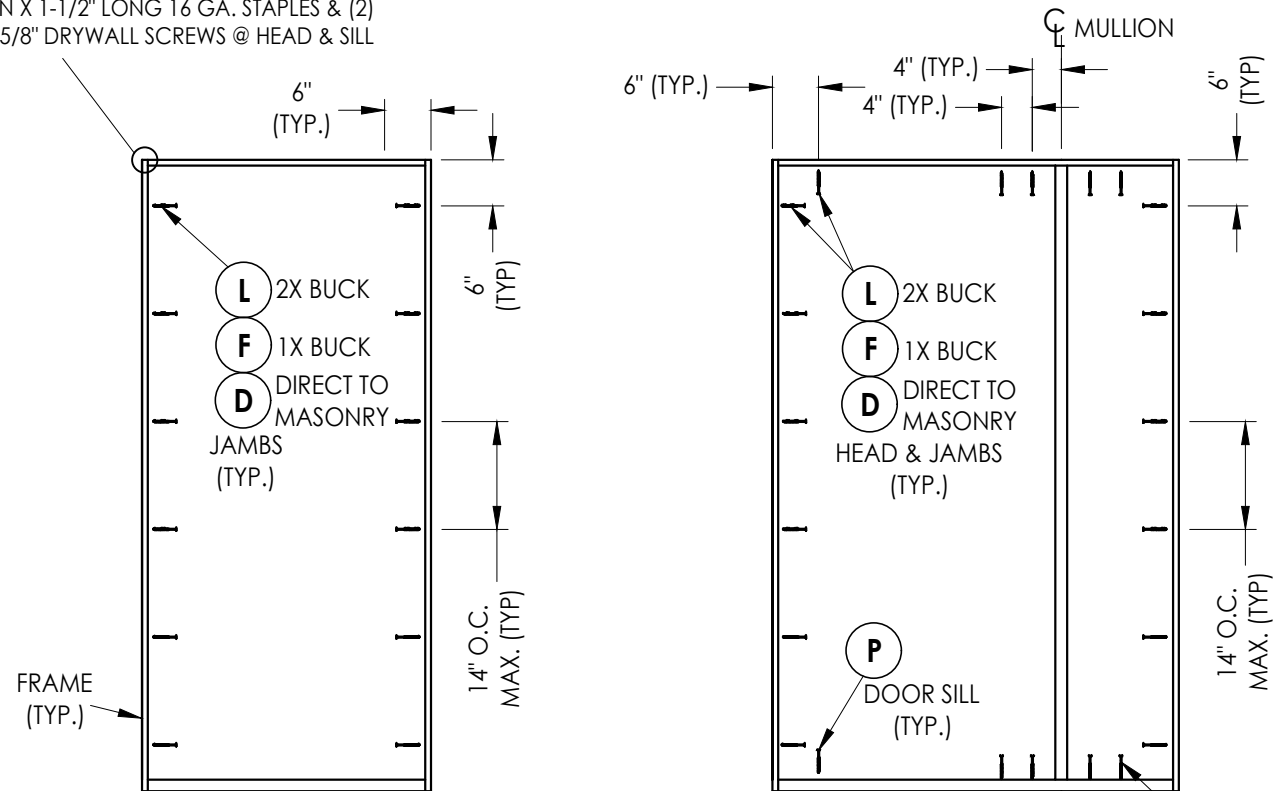
PART OR ASSEMBLY:
BUCK ANCHORING

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

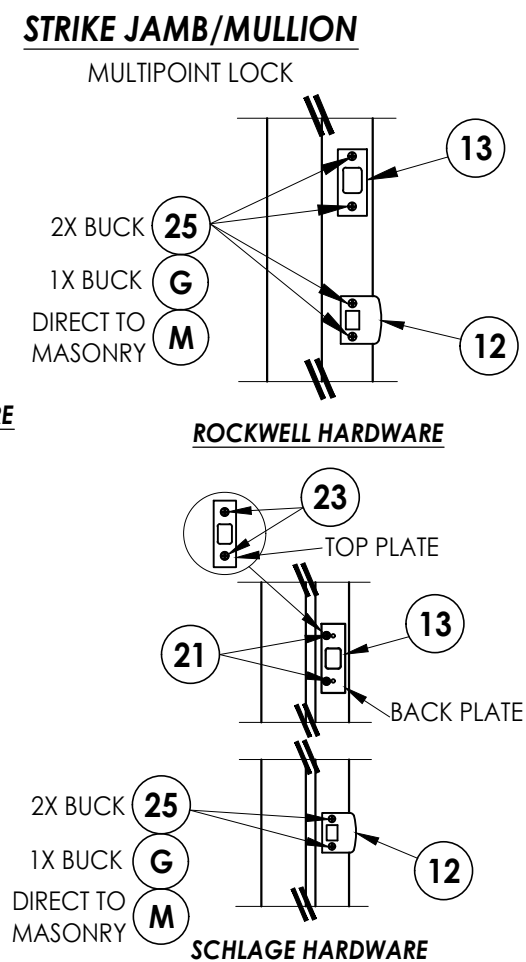
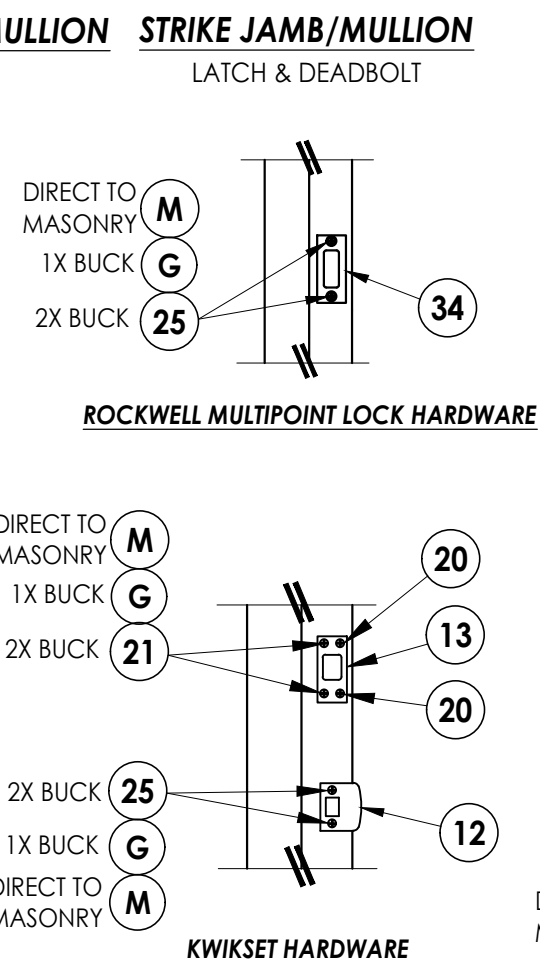
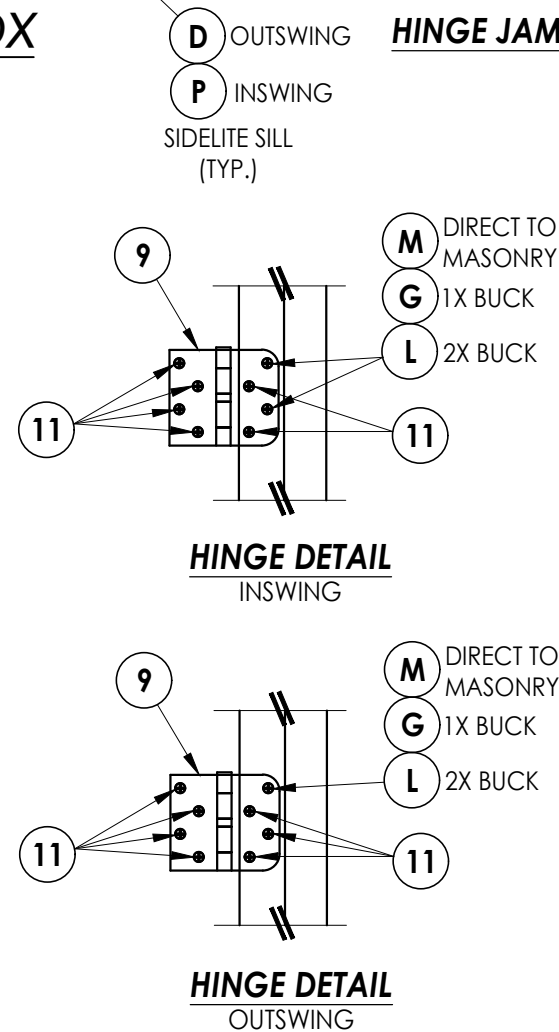
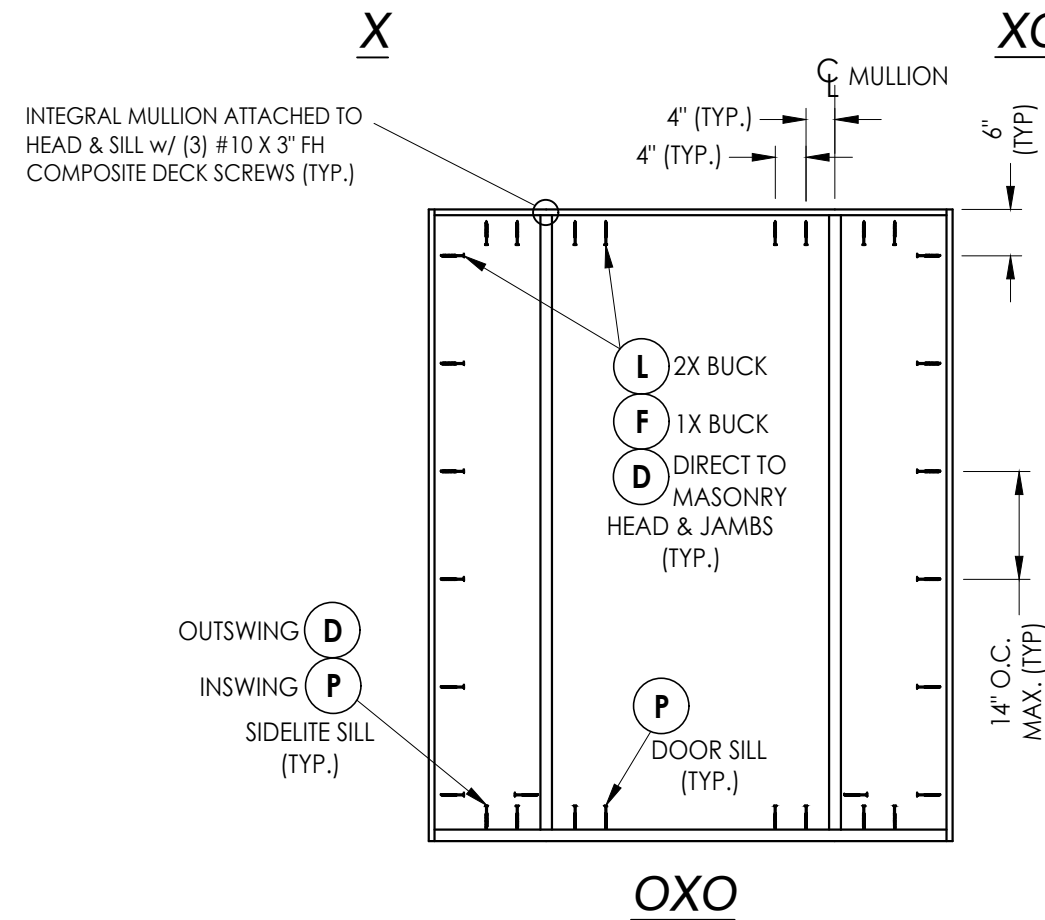
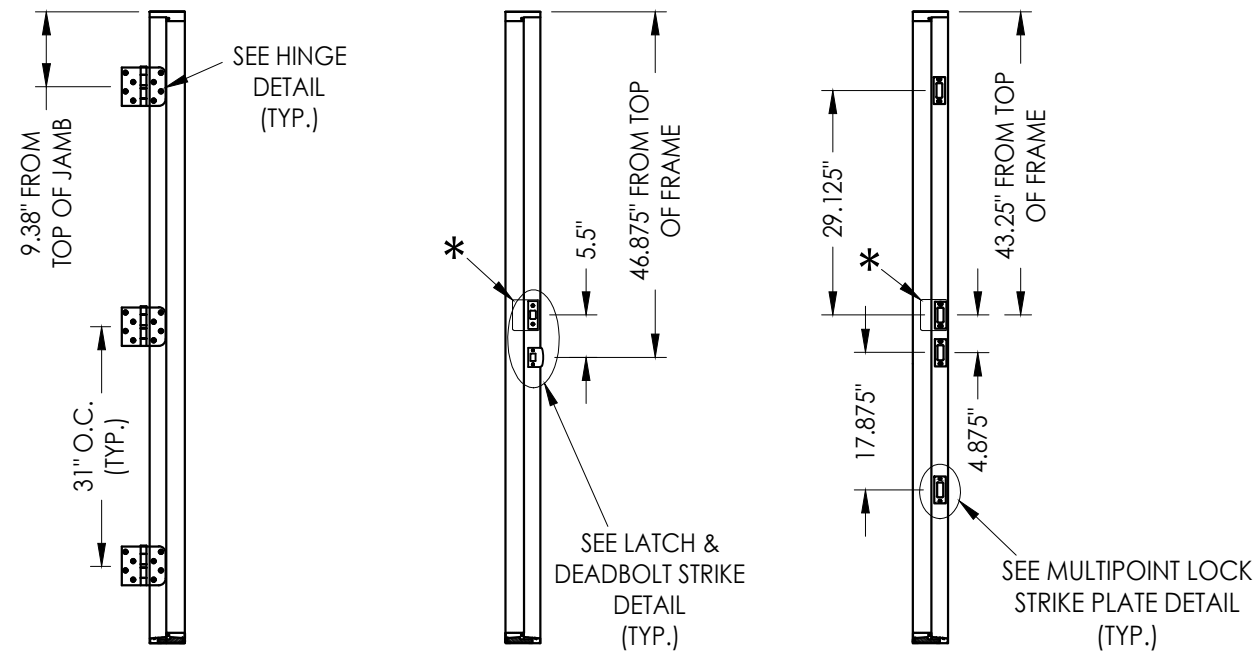
RW

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

FRAME CORNERS ATTACHED w/ (3) 7/16"
CROWN X 1-1/2" LONG 16 GA. STAPLES & (2)
#7 X 1-5/8" DRYWALL SCREWS @ HEAD & SILL
(TYP.)



* 3.5" X 4" 20 GA. STEEL PLATE ATTACHED TO BACK OF LOCK JAMB w/ (4) 1" CROWN X 5/8" LONG 16 GA. STAPLES



FRAME ANCHORING

HARDWARE DETAILS

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

R^W BUILDING CONSULTANTS, INC.
P.O. Box 230, Valrico, FL 333
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FBPE Registry No. 9813

PRODUCT: STEVES & SONS
FIBERGLASS DOOR

PART OR ASSEMBLY:
**FRAME ANCHORING
& HARDWARE DETAILS**

[illegible]

DATE: 4/26/22

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

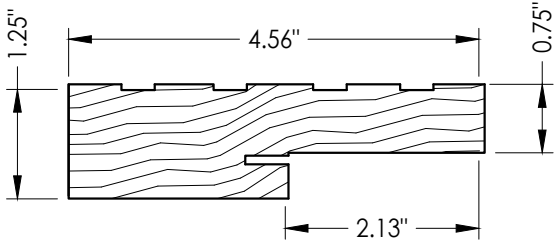
DRAWING NO.:

FL-41477.3

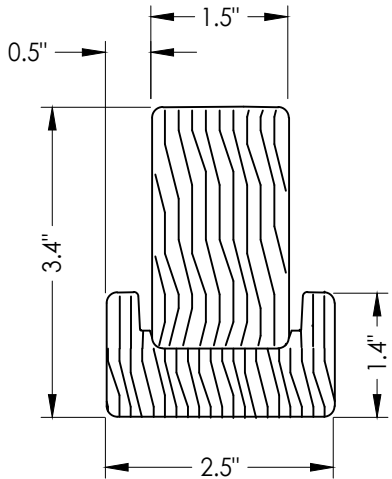
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Z:\2023 FBC Drawings\Steves & Sons\FL-41477 R2\FL-41477 3.dwg

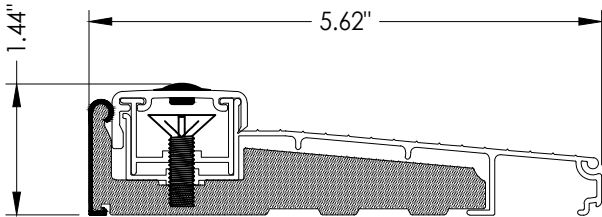
BILL OF MATERIALS		
ITEM #	DESCRIPTION	MATERIAL
A	1X BUCK (G >= 0.42)	WOOD
B	2X BUCK (G >= 0.42)	WOOD
C	1/4" MAX. SHIM SPACE	-
D	1/4" X 2-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
E	MASONRY - 3,000 PSI MIN. CONCRETE CONFORMING TO ACI 301 OR HOLLOW BLOCK CONFORMING TO ASTM C90	CONCRETE
F	1/4" X 3-3/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
G	3/16" X 3-1/4" PFH ITW CONCRETE SCREW	STEEL
L	#10 X 2-1/2" PFH WOOD SCREW (1.15" MIN. EMB.)	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
P	1/4" X 2-1/4" PFH DeWALT OR ITW CONCRETE SCREW	STEEL
1	WOOD JAMB	WOOD
3	WOOD MULLION	WOOD
7	WEATHERSTRIP	FOAM
8	SWEEP	VINYL
9	4" X 4" HINGE	STEEL
11	#9 X 3/4" PFH WOOD SCREW	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
14	INSWING THRESHOLD	ALUM/COMP
15	OUTSWING THRESHOLD	ALUM/COMP
17	INSWING SIDELITE ADAPTER	PVC
18	#8 X 3" SD TRIM SCREW	STEEL
20	#9 X 1/2" PFH WOOD SCREW	STEEL
21	#12 X 2-1/2" PFH WOOD SCREW	STEEL
23	#8 X 3/4" PFH WOOD SCREW	STEEL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
27	#7 X 1-5/8" DRYWALL SCREW	STEEL
34	MULTIPOINT LOCK STRIKE PLATE	STEEL
40	DOOR PANEL	-
50	SIDELITE PANEL	-



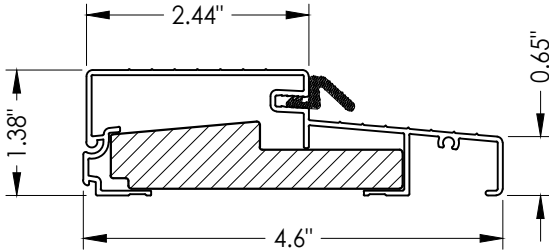
1 WOOD JAMB
FINGER JOINT PINE



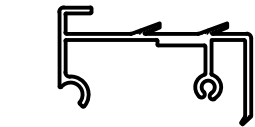
3 WOOD MULLION
CLEAR POPLAR



14 INSWING THRESHOLD
Columbia



15 OUTSWING THRESHOLD
Columbia



17 INSWING SIDELITE SPACER
Columbia

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 BUILDEX TAPCON®	3/16"	1-1/4"	3"	1-1/2"
	1/4"	1-1/4"	2"	4"
DeWALT ULTRACON®	1/4"	1-1/4"	1"	4"

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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P.E. No. 43409

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

PRODUCT:
ALL SEASONS, INC.
FIBERGLASS DOOR

PART OR ASSEMBLY:
BILL OF MATERIALS
& COMPONENTS

NO	DATE	REVISIONS
1	8/02/23	UPDATE TO 8TH ED. (2023) FBC
		LFS BY

DATE: 4/26/22

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-41477.3

SHEET 13 OF 13