



STEVES AND SONS
203 Humble Ave.
San Antonio, TX 78225

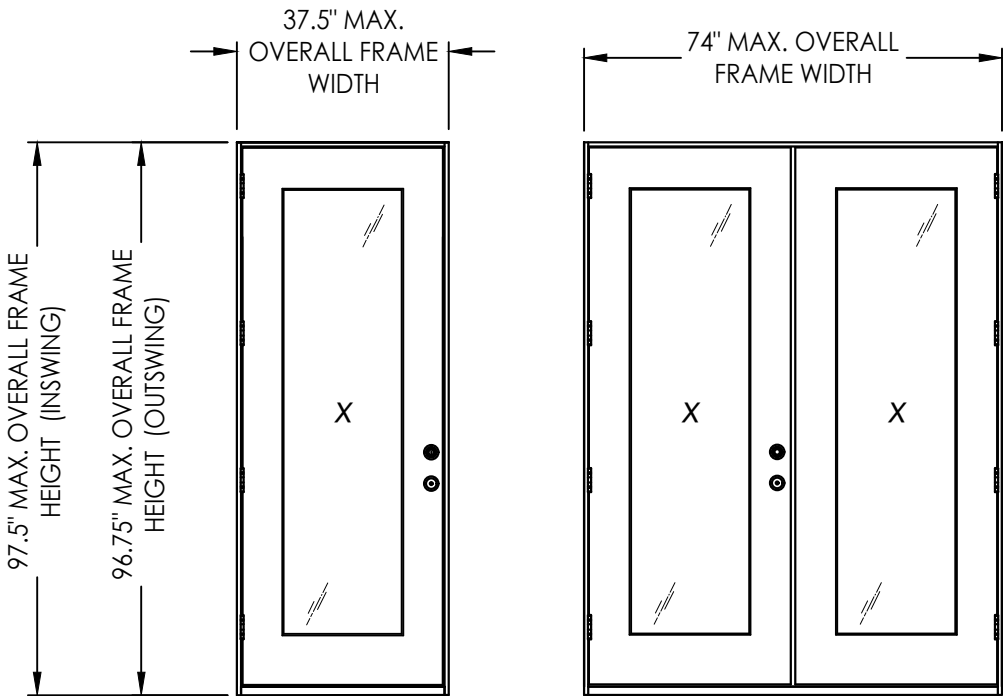
"PALISADE" FLUSH GLAZED FIBERGLASS DOOR SINGLE & DOUBLE

INSWING/OUTSWING
"IMPACT"

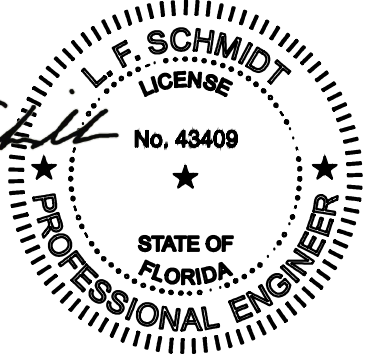
GENERAL NOTES

1. This product anchoring drawing has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) 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 complies with FBC Sections 1609.1.2 & R301.2.1.2. and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 3 as defined in ASTM E1996.
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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SHEET #	DESCRIPTION	SHEET #	
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4	Horizontal & Vertical Cross Sections (2X Buck)	9	Frame Anchoring & Hardware Details
5	Horizontal & Vertical Cross Sections (1X Buck)	10	Bill of Materials & Components



CONFIGURATION	MAX. FRAME DIMENSION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
		POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	37.5" x 97.5"	+50.0	-50.0	+50.0	-50.0
XX	74.0" x 97.5"	+50.0	-50.0	+50.0	-50.0



Digitally signed by Lyndon F Schmidt
Date: 2026.07.20 09:06:50 -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: STEVES & SONS
FIBERGLASS DOOR

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

DATE: 4/29/24

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.: FL-46720.1

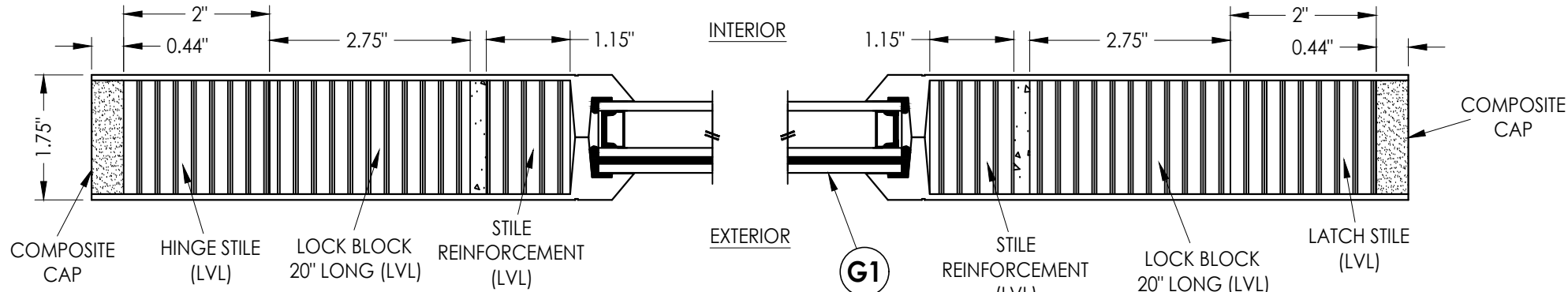
SHEET 1 OF 10

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

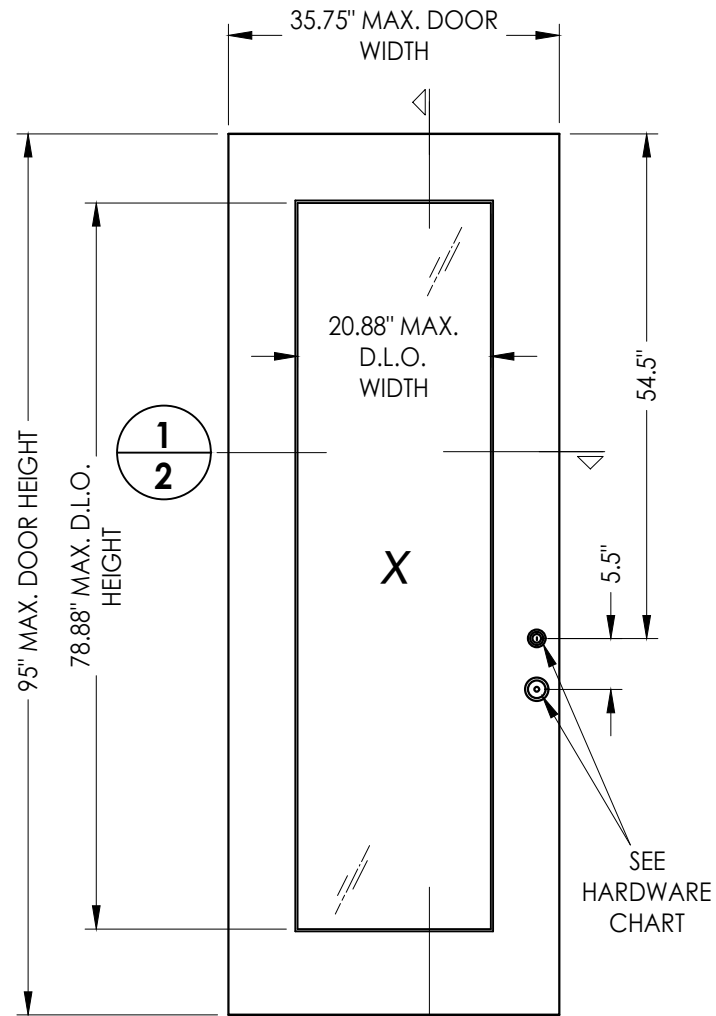
REVISIONS

NO.	DATE	DESCRIPTION
2	7/02/26	UPDATE TO 9TH ED. (2026) FBC
1	8/26/24	ADD INSWING CONFIGURATIONS

Z:\2023 FBC Drawings\Steves & Sons\FL-46720 R2\FL-46720.1.dwg

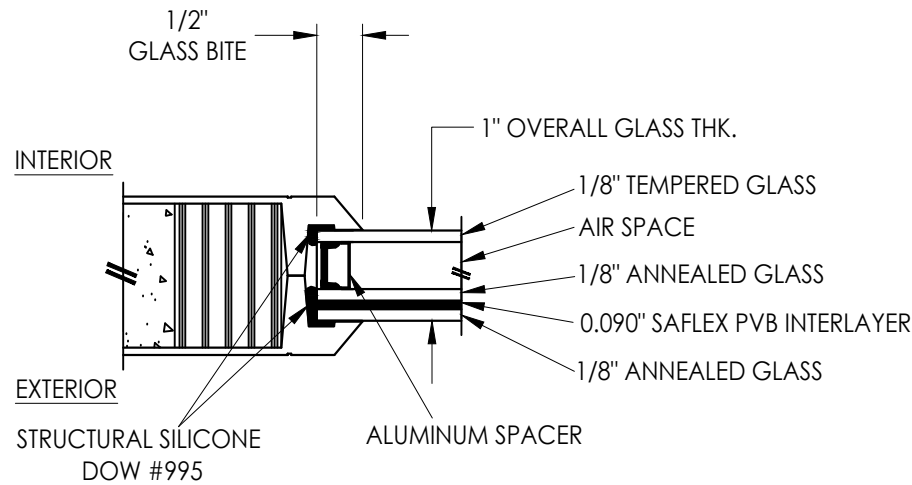


1
2 **HORIZONTAL CROSS SECTION**



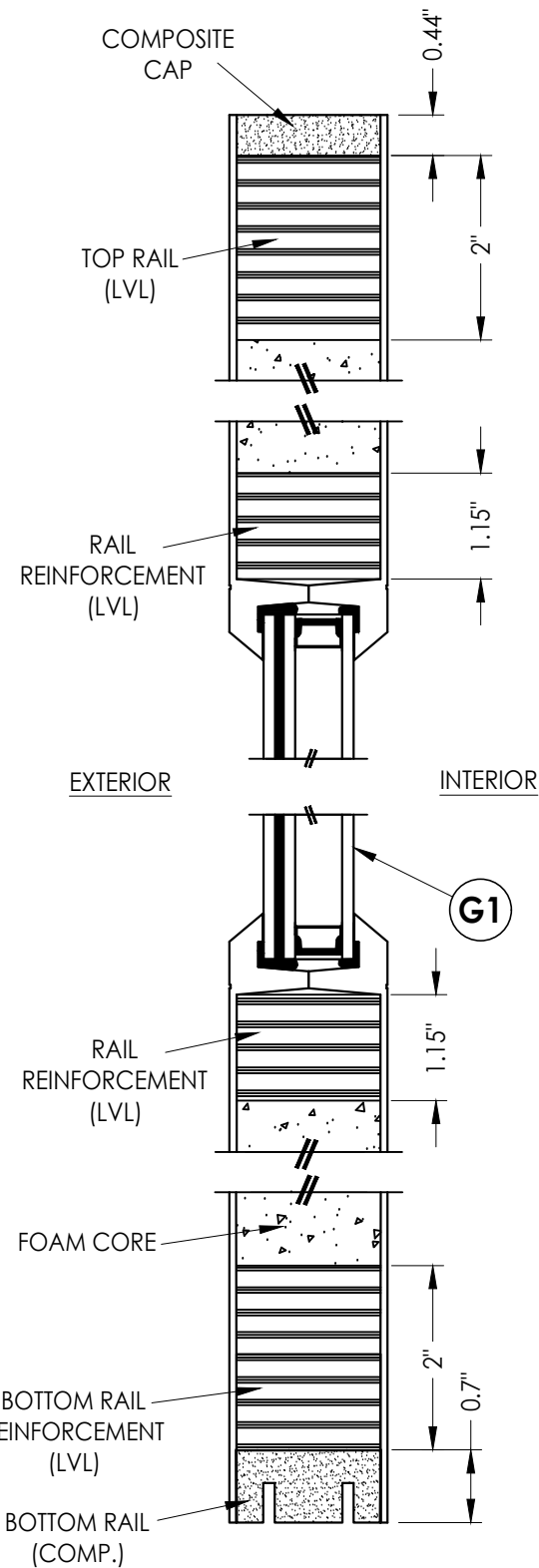
40 **FIBERGLASS DOOR PANEL**
STEVES & SONS - PALISADE SERIES

FIBERGLASS DOOR SKIN: MIN. 0.10" THK.
CORE MATERIAL: POLYURETHANE FOAM



G1 **GLAZING DETAIL**

HARDWARE TABLE		
MANUFACTURER	MODEL	
KWIKSET	LATCH:	SIGNATURE SERIES
	DEADBOLT:	SIGNATURE SERIES (980)



2
2 **VERTICAL CROSS SECTION**

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PRODUCT:
STEVES & SONS
FIBERGLASS DOOR

PART OR ASSEMBLY:
DOOR
PANEL DETAILS

NO.	DATE	REVISIONS	
		BY	DATE
2	7/02/26	LFS	UPDATE TO 9TH ED. (2026) FBC
1	8/26/24	LFS	ADD INSURING CONFIGURATIONS

DATE: 4/29/24

SCALE: N.T.S.

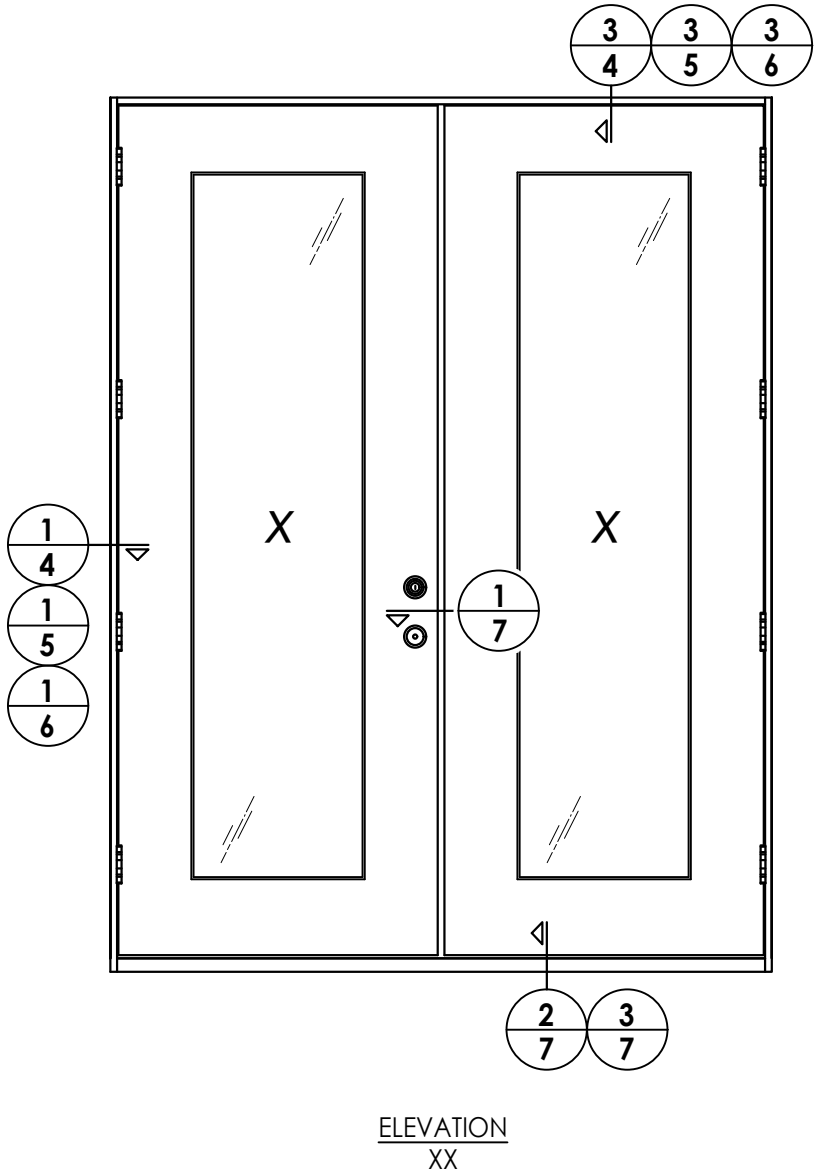
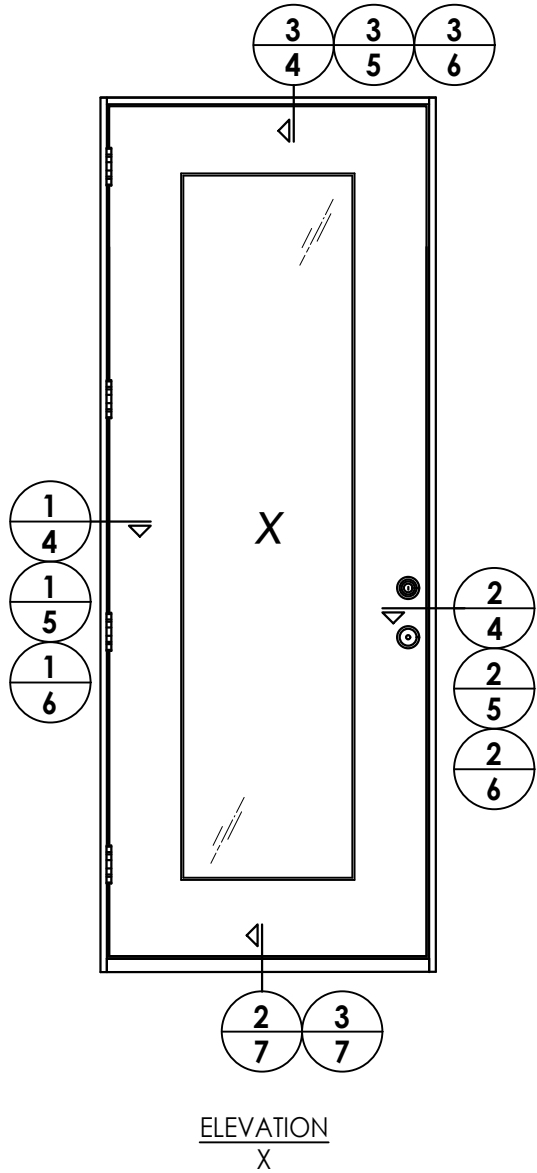
DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-46720.1

SHEET 2 OF 10



DATE: 4/29/24
SCALE: N.T.S.
DWG. BY: RW
CHK. BY: LFS
DRAWING NO.: FL-46720.1
SHEET 3 OF 10

2	7/02/26	UPDATE TO 9TH ED. (2026)	FBC	LFS	
1	8/26/24	ADD INSWING CONFIGURATIONS		LFS	
NO	DATE			BY	

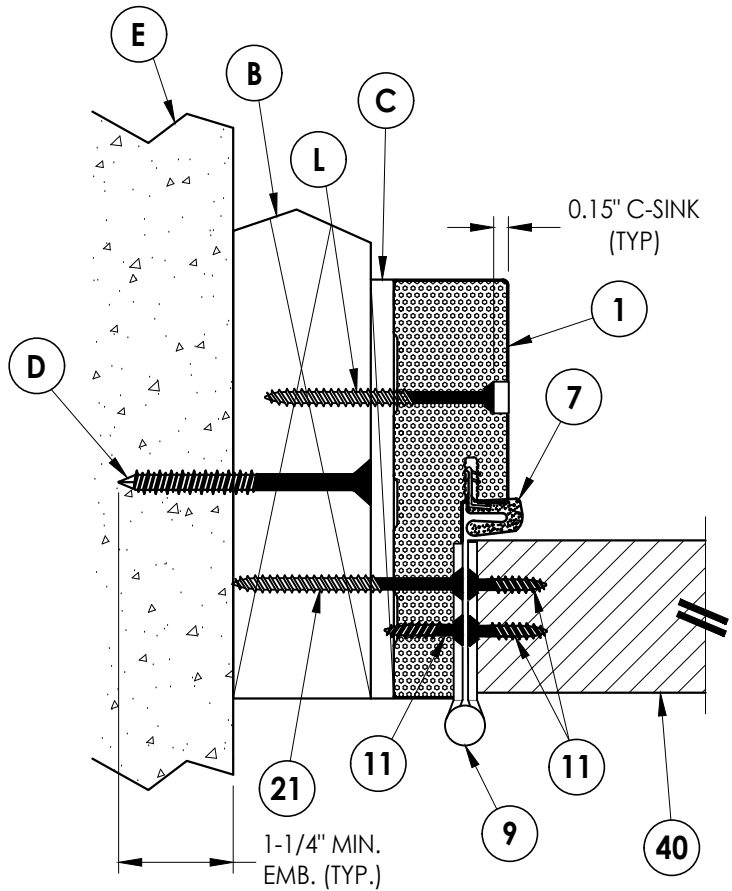
REVISIONS

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

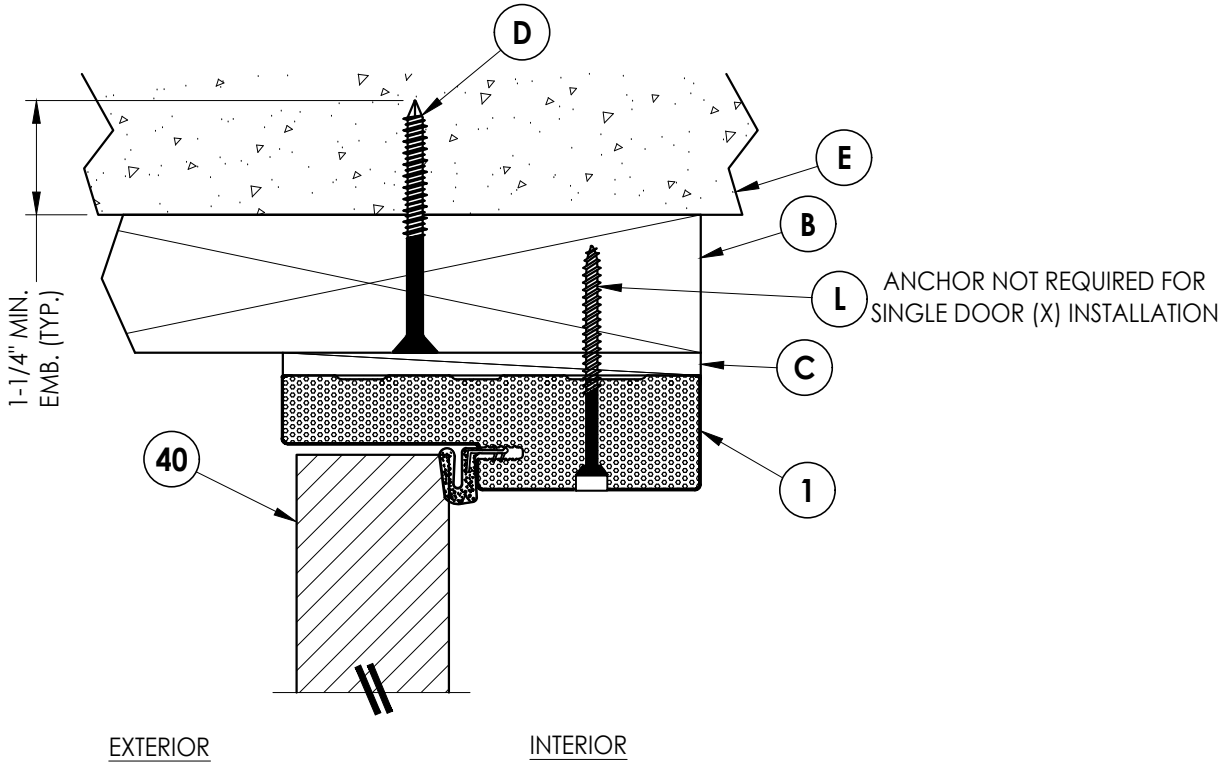
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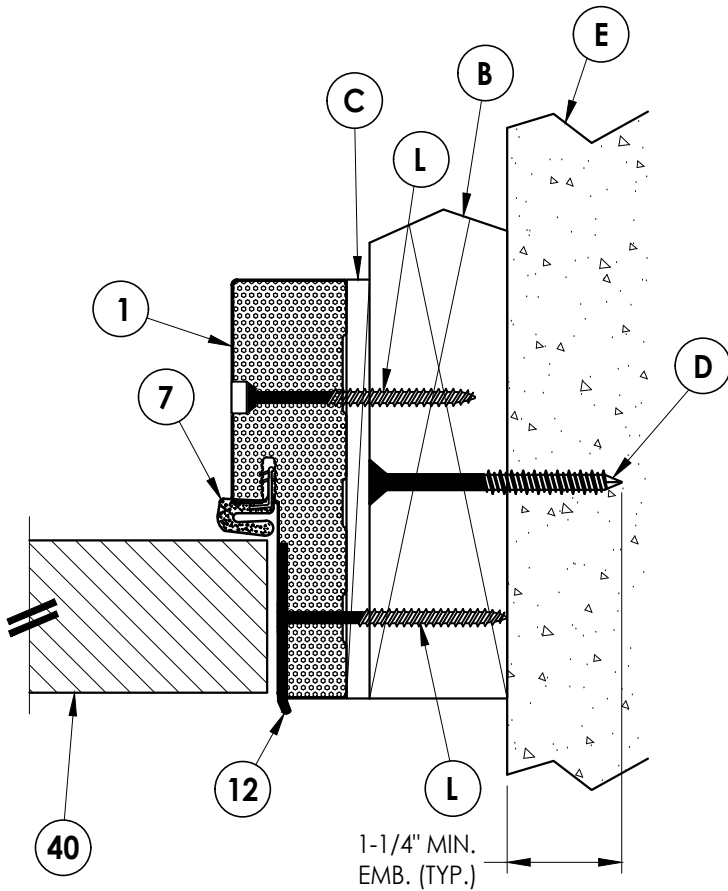
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1
4 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing Shown (Inswing Similar)



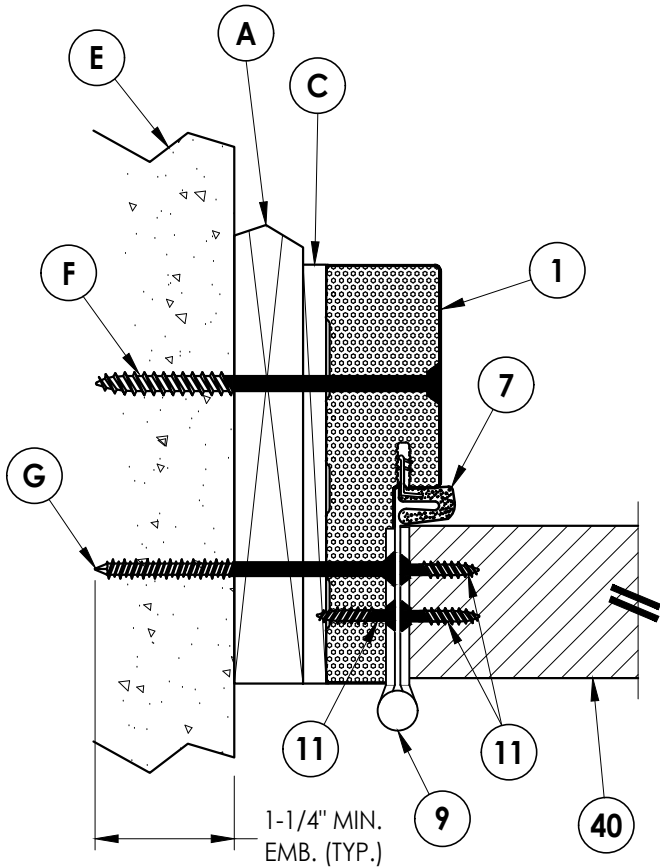
3
4 **VERTICAL CROSS SECTION**
Shown w/ 2X Buck
Outswing Shown (Inswing Similar)



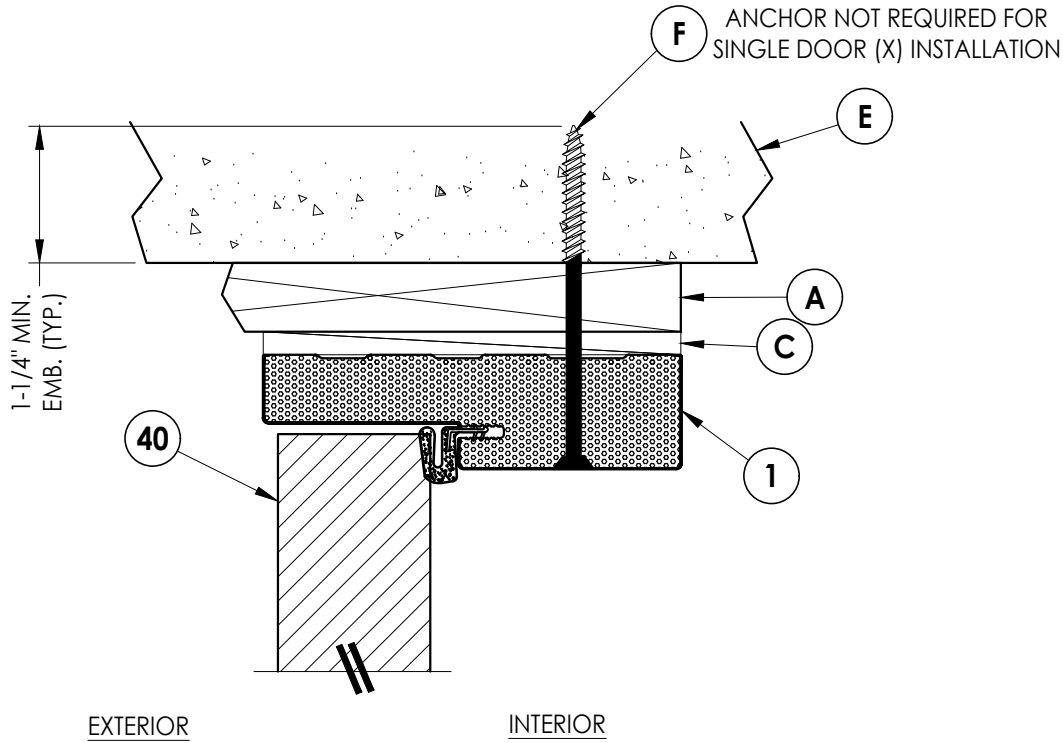
2
4 **HORIZONTAL CROSS SECTION**
Shown w/ 2X Buck
Outswing Shown (Inswing Similar)

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PRODUCT: STEVE'S & SONS FIBERGLASS DOOR		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (2X BUCK)	
		LFS	BY
		FBC	
2	7/02/26	UPDATE TO 9TH ED. (2026)	
1	8/26/24	ADD INSWING CONFIGURATIONS	
NO.	DATE		
REVISIONS			
DATE: 4/29/24			
SCALE: N.T.S.			
DWG. BY: RW			
CHK. BY: LFS			
DRAWING NO.: FL-46720.1			
SHEET 4 OF 10			

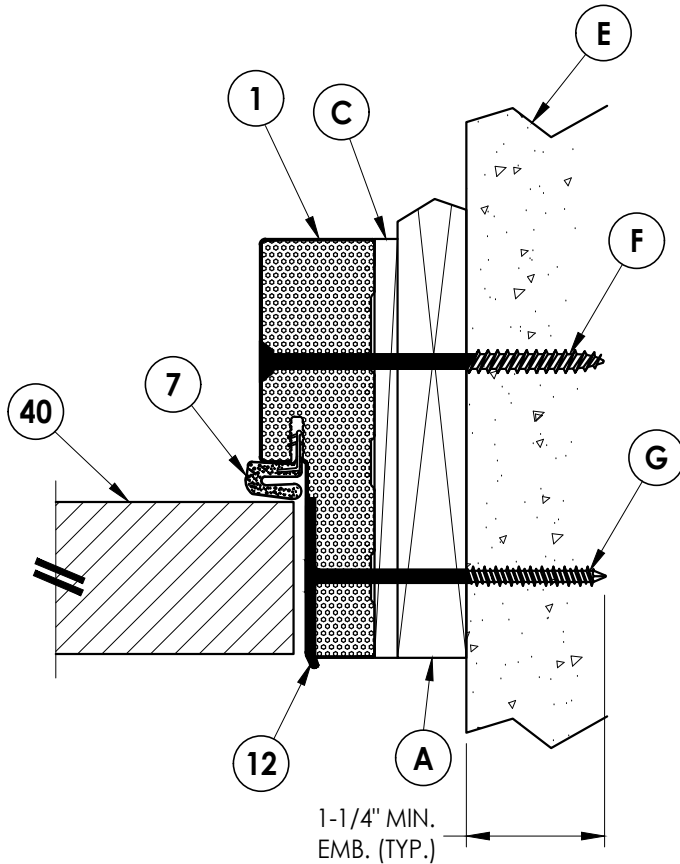
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1
5 **HORIZONTAL CROSS SECTION**
Shown w/ 1X Buck
Outswing Shown (Inswing Similar)



3
5 **VERTICAL CROSS SECTION**
Shown w/ 1X Buck
Outswing Shown (Inswing Similar)



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

DATE: 4/29/24

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-46720.1

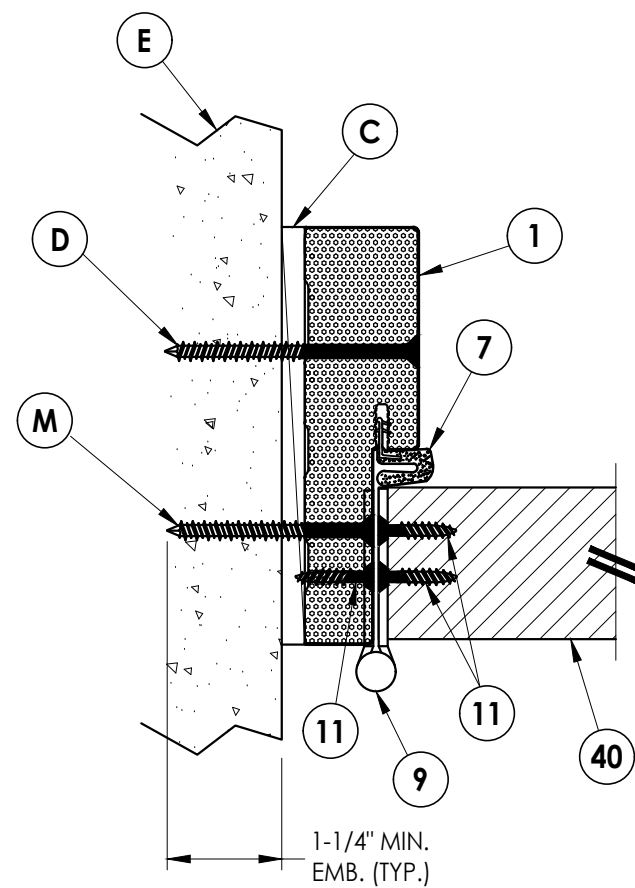
SHEET 5 OF 10

PRODUCT: STEVES & SONS
FIBERGLASS DOOR

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

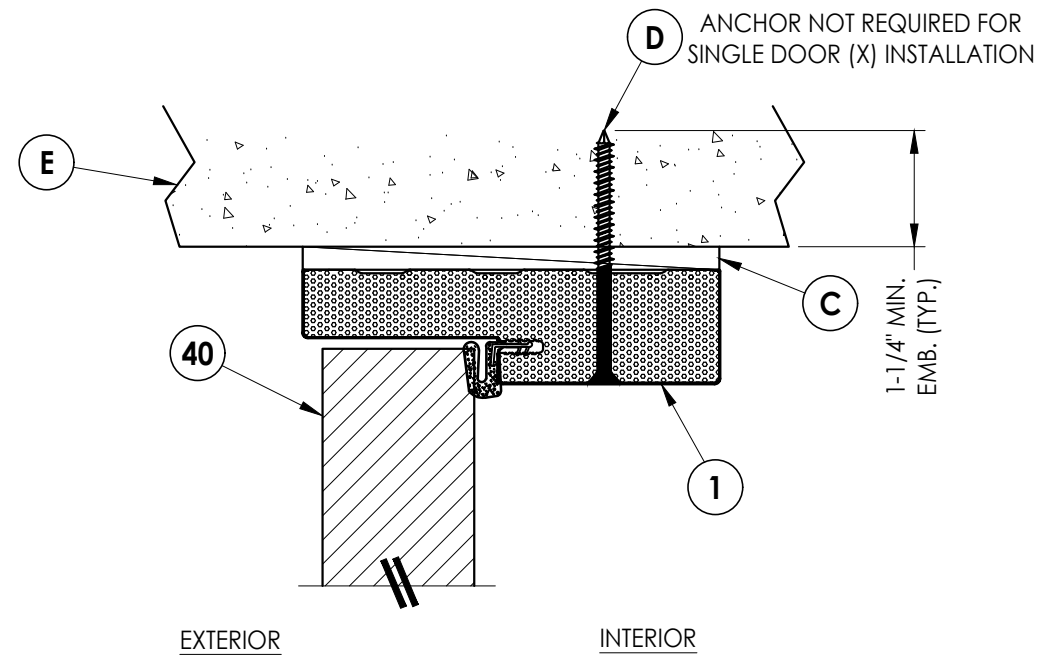
Documents Prepared By:
Lyndon F. Schmidt
P.E. No. 43409

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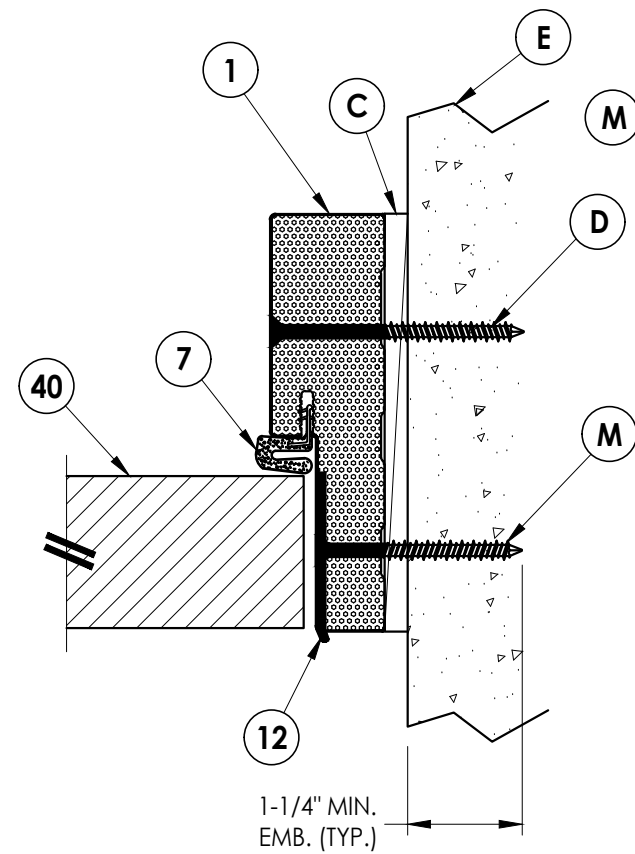


1 **HORIZONTAL CROSS SECTION**

6 Shown Direct to Masonry
Outswing Shown (Inswing Similar)



3 **VERTICAL CROSS SECTION**
6 Shown Direct to Masonry
 Outswing Shown (Inswing Similar)



2 6 **HORIZONTAL CROSS SECTION**

Shown Direct to Masonry
Outswing Shown (Inswing Similar)

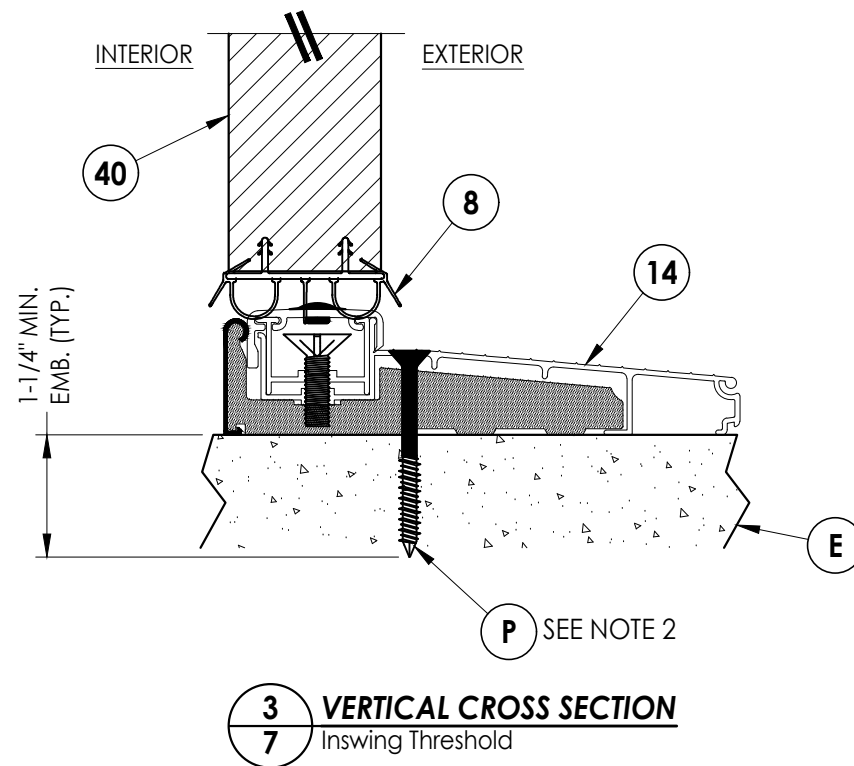
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PRODUCT: STEVES & SONS FIBERGLASS DOOR	PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS (DIRECT TO MASONRY)
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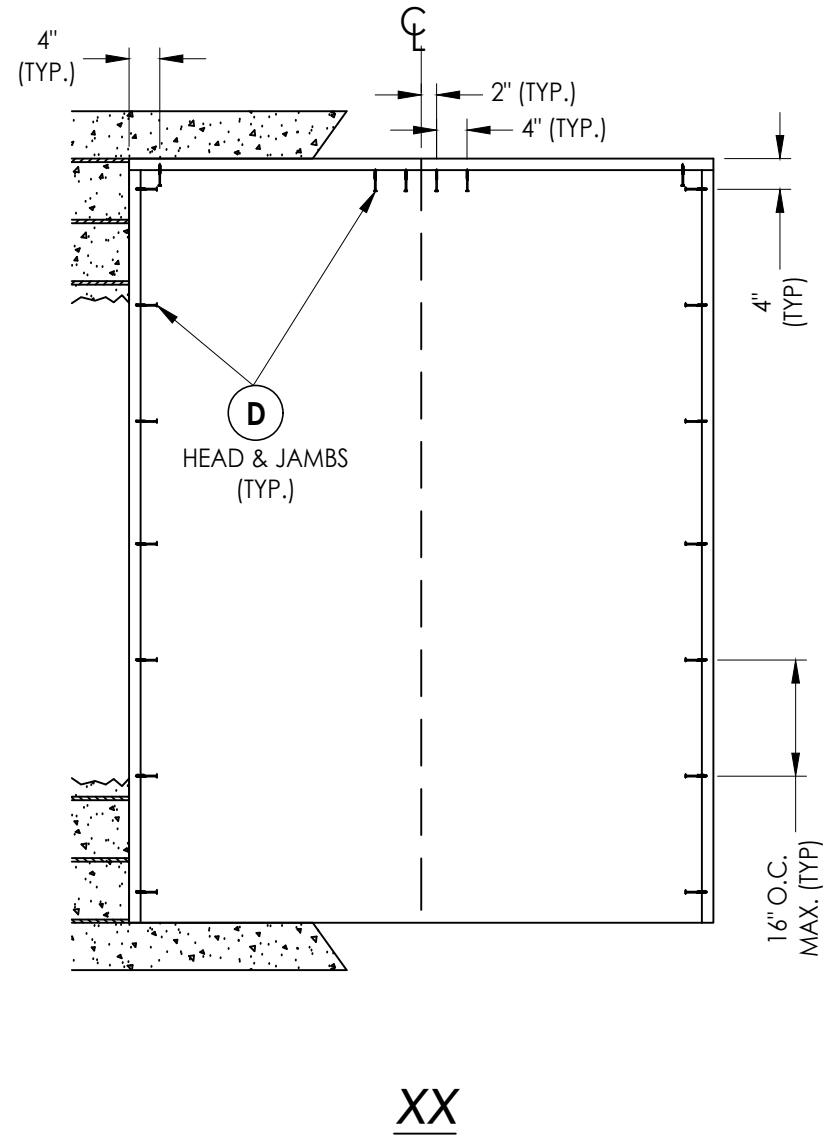
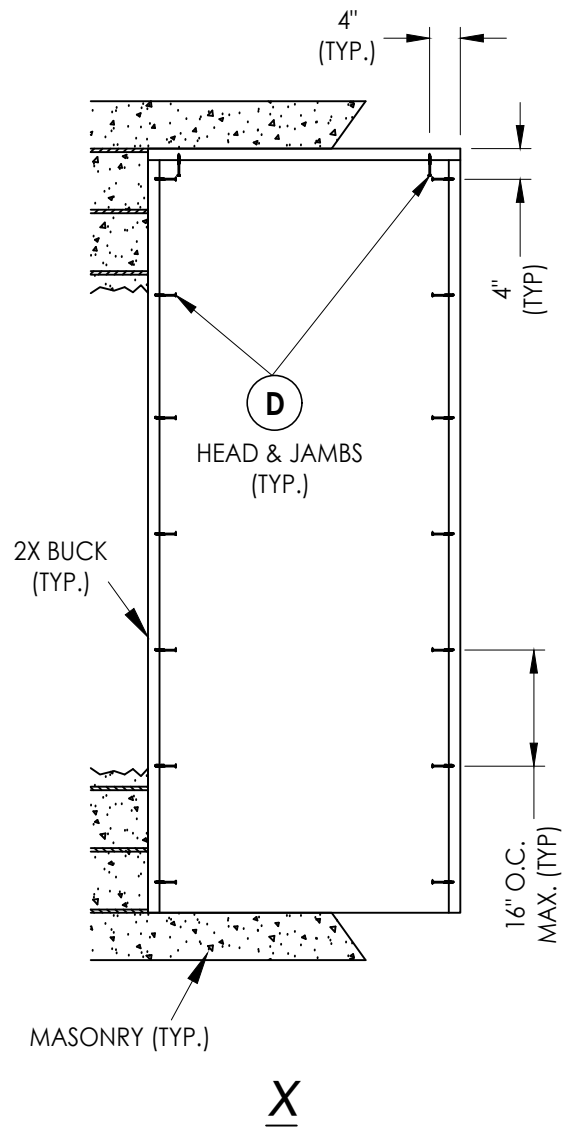
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1. Latch & deadbolt strike plate machine screws installed through strike plate into astragal plastic receiver.
2. Anchor @ sill is not required for single door (X) only.



DATE: 4/29/24		PRODUCT: STEVES & SONS FIBERGLASS DOOR		Documents Prepared By: Lyndon F. Schmidt P.E. No. 43409	
SCALE: N.T.S.		PART OR ASSEMBLY: HORIZONTAL & VERTICAL CROSS SECTIONS		<i>RW</i> BUILDING CONSULTANTS, INC. P.O. Box 230, Valrico, FL 33595 Phone No.: 813.659.9197 FBPE Registry No. 9813	
DWG. BY: RW		LFS			
CHK. BY: LFS		LFS			
DRAWING NO.: FL-46720.1		BY			
SHEET 7 OF 10		REVISIONS			



2X BUCK ANCHORING

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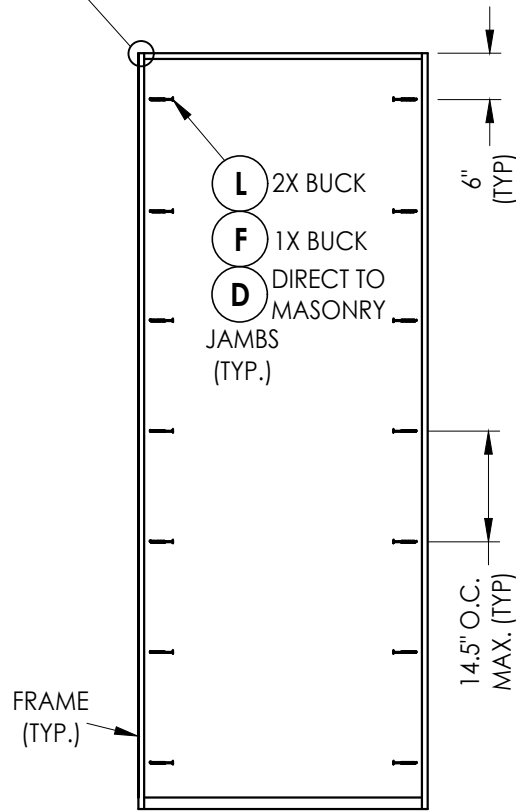
PRODUCT:	STEVES & SONS FIBERGLASS DOOR
PART OR ASSEMBLY:	BUCK ANCHORING

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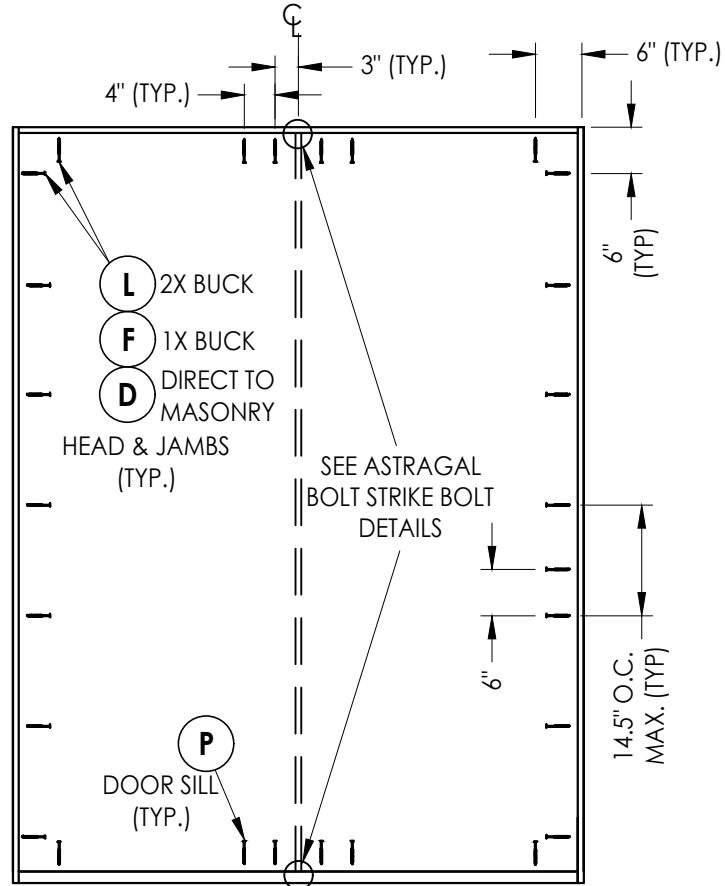
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FRAME CORNERS ATTACHED w/ (3) 7/16" CROWN X 1-1/2" LONG 16 GA. STAPLES & (2) #7 X 2" DRYWALL SCREWS @ HEAD & SILL (TYP.)



X

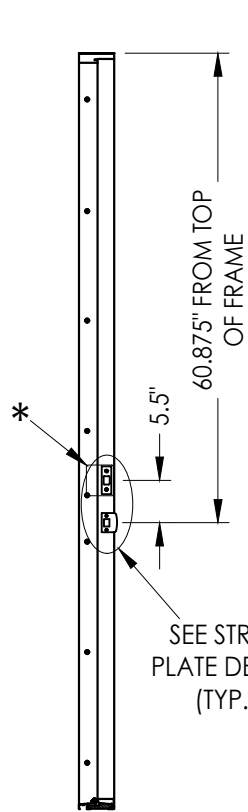


XX

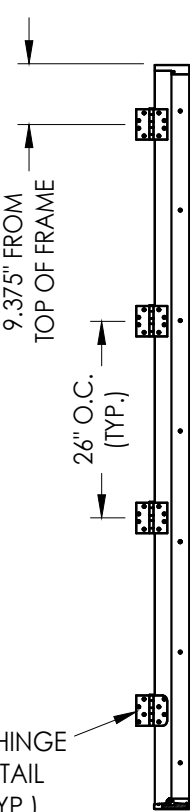
FRAME ANCHORING

* 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

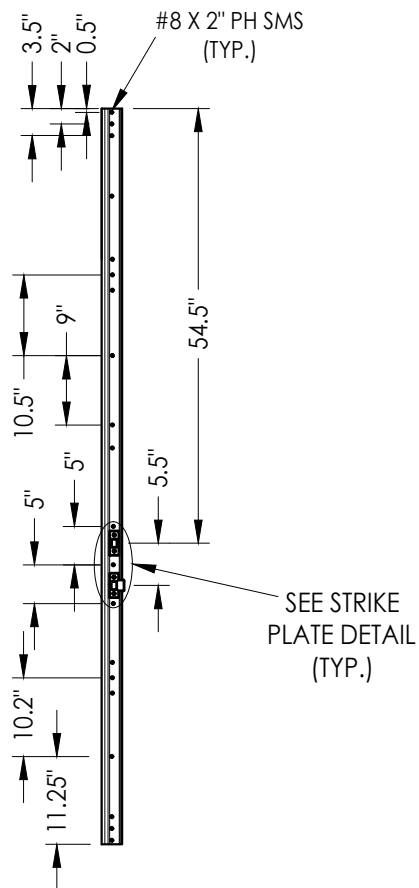
STRIKE JAMB



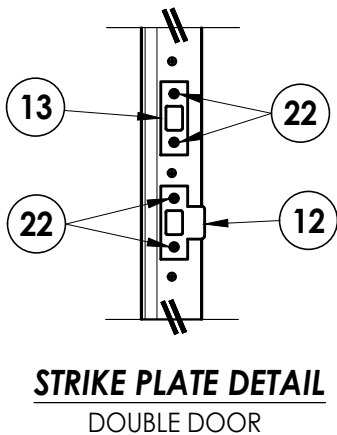
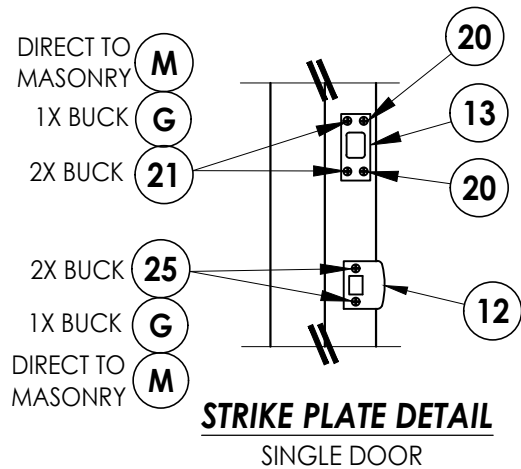
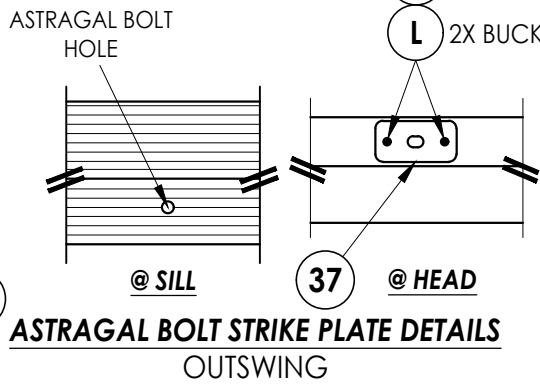
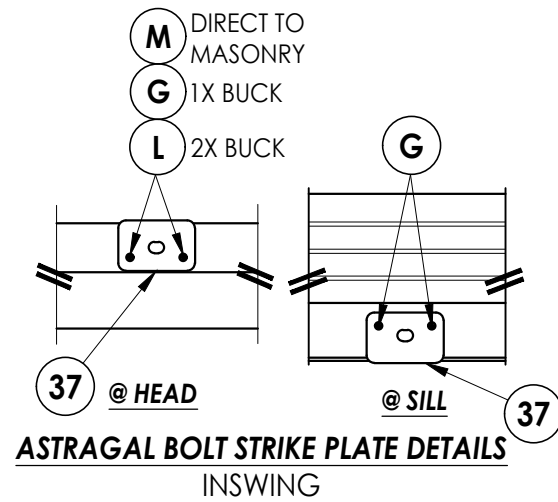
HINGE JAMB



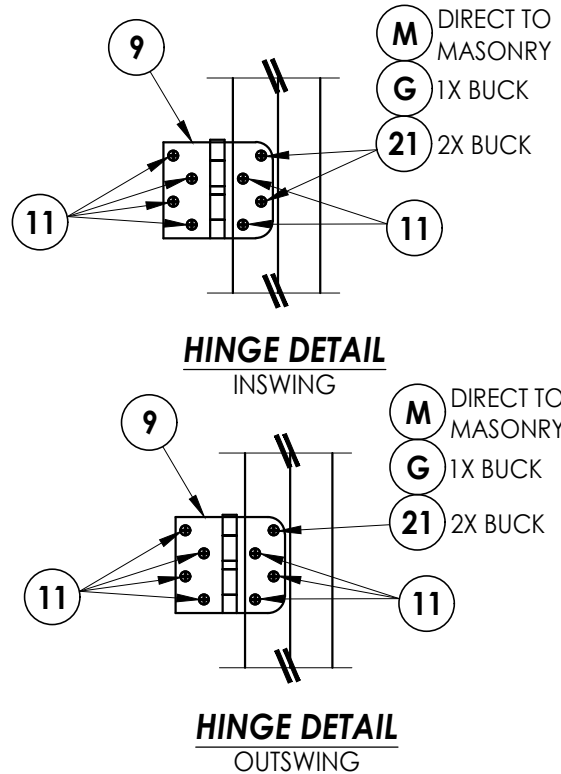
ASTRAGAL



ASTRAGAL SCREWS LOCATED AS SHOWN w/ (3) LOCATED ON EACH SIDE OF LOCK & DEADBOLT STRIKE PLATES (20 SCREWS TOTAL)



HARDWARE DETAILS



Documents Prepared By:
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FBPE Registry No. 9813

PRODUCT: STEVES & SONS
FIBERGLASS DOOR

PART OR ASSEMBLY:
FRAME ANCHORING
& HARDWARE DETAILS

NO.	DATE	REVISIONS
2	7/02/26	UPDATE TO 9TH ED. (2026) FBC
1	8/26/24	ADD INSWING CONFIGURATIONS
		LFS
		BY

DATE: 4/29/24

SCALE: N.T.S.

DWG. BY: RW

CHK. BY: LFS

DRAWING NO.:

FL-46720.1

SHEET 9 OF 10

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	COMPOSITE JAMB	COMP
7	WEATHERSTRIP	FOAM
9	4-1/2" X 4-1/2" HINGE	STEEL
11	#12 X 1-1/4" PFH WOOD SCREW	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
14	INSWING THRESHOLD	ALUM/COMP
15	OUTSWING THRESHOLD	ALUM/COMP
20	#8 X 1/2" PFH WOOD SCREW	STEEL
21	#12 X 2-1/2" PFH WOOD SCREW	STEEL
22	#8 X 5/8" PFH MACHINE SCREW	STEEL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
26	#8 X 2" PH SMS	STEEL
37	ASTRAGAL STRIKE PLATE	STEEL
38	ALUMINUM ASTRAGAL	ALUM
40	DOOR PANEL	-

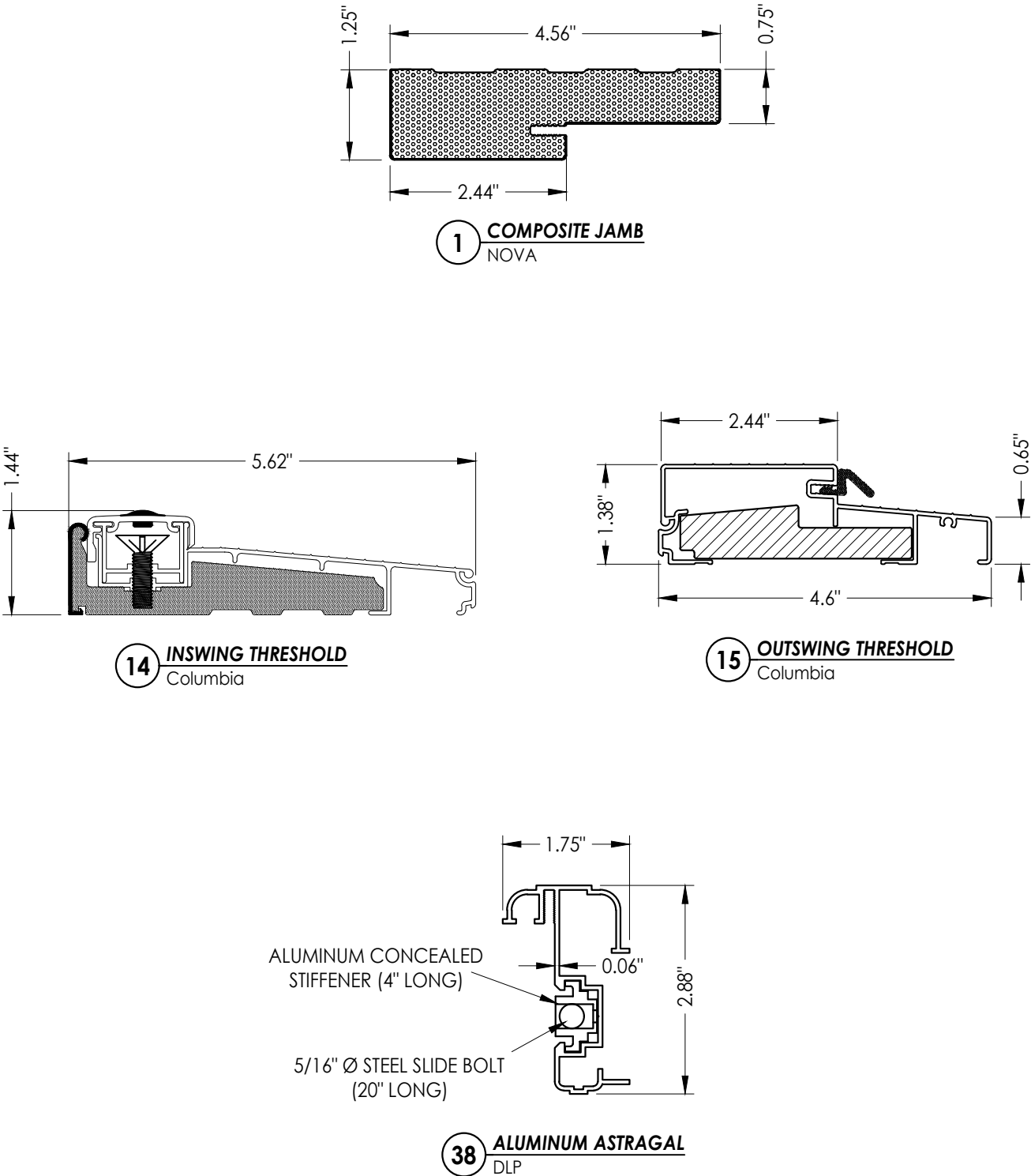
CONCRETE ANCHOR NOTES:

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 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:

1. Maintain a minimum 5/8" edge distance, 1" end distance, & 1" o.c. spacing of wood screws to prevent the splitting of wood.

[illegible]