

WORLDWIDE
Door Components

5017 N. Coolidge
Tampa, FL 33614

OPAQUE FIBERGLASS DOOR
INSWING/OUTSWING
"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.

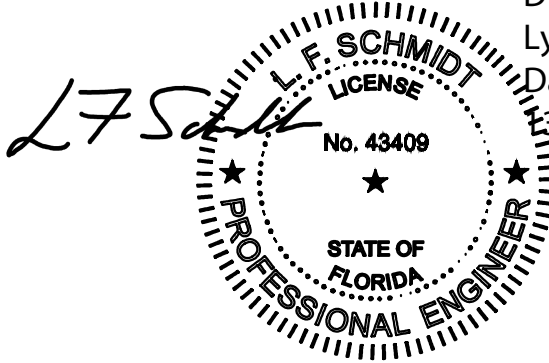
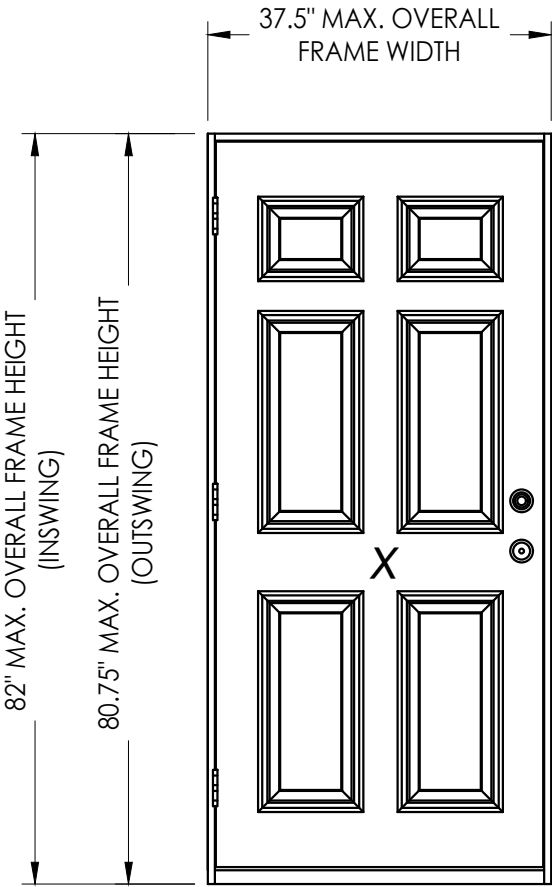
Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3.

When used in areas requiring wind borne debris protection this product 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 excludes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
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.

CONFIGURATION	DESIGN PRESSURE (PSF) INSWING		DESIGN PRESSURE (PSF) OUTSWING	
	POSITIVE	NEGATIVE	POSITIVE	NEGATIVE
X	+60.0	-65.0	+60.0	-60.0



Digitally signed by
Lyndon F Schmidt
Date: 2025.08.19
13:53:16 -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

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

PRODUCT:
WORLDWIDE DOOR COMPONENTS
FIBERGLASS DOOR

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

REVISIONS	
NO.	DATE

DATE: 8/12/25

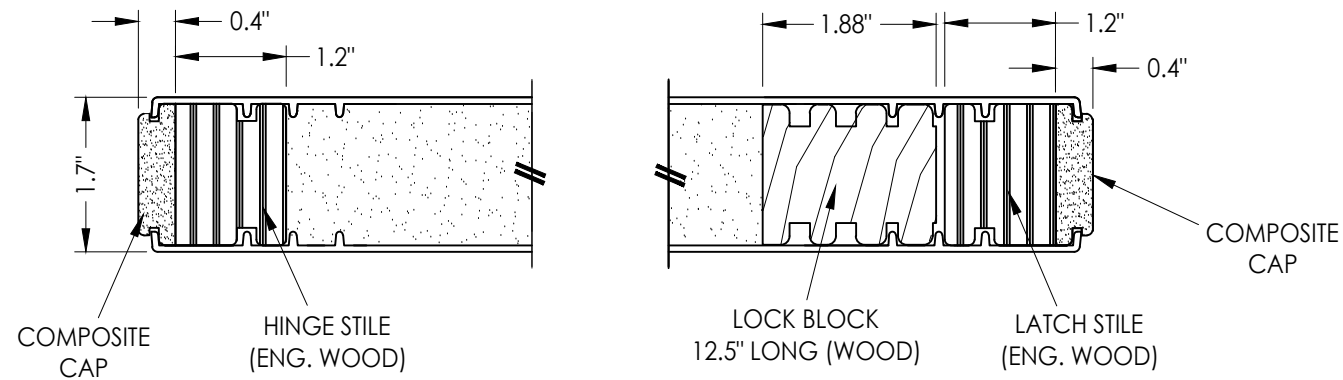
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DWG. BY: RW

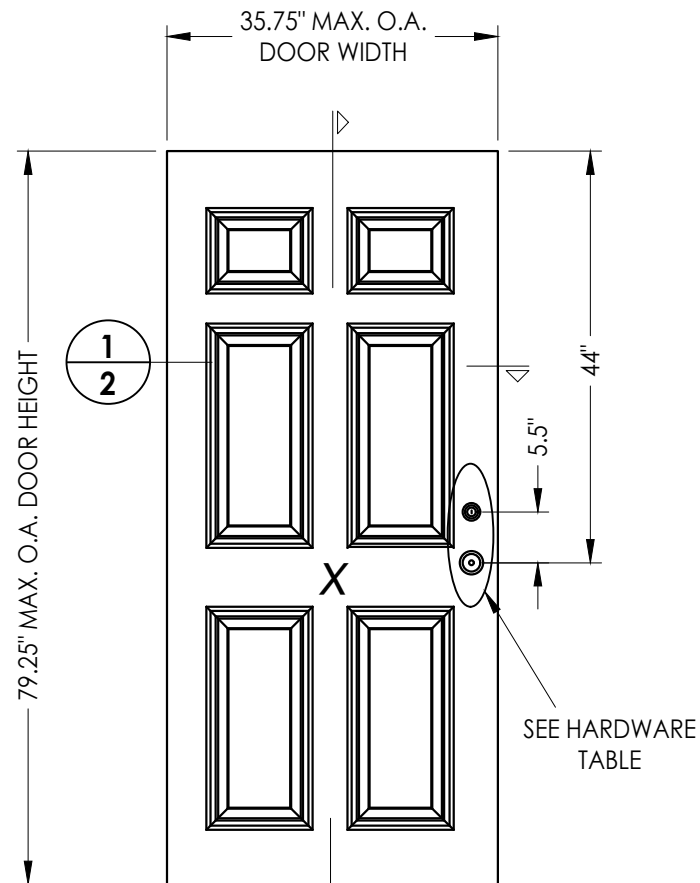
CHK. BY: LFS

DRAWING NO.: FL-12991.6

SHEET 1 OF 8

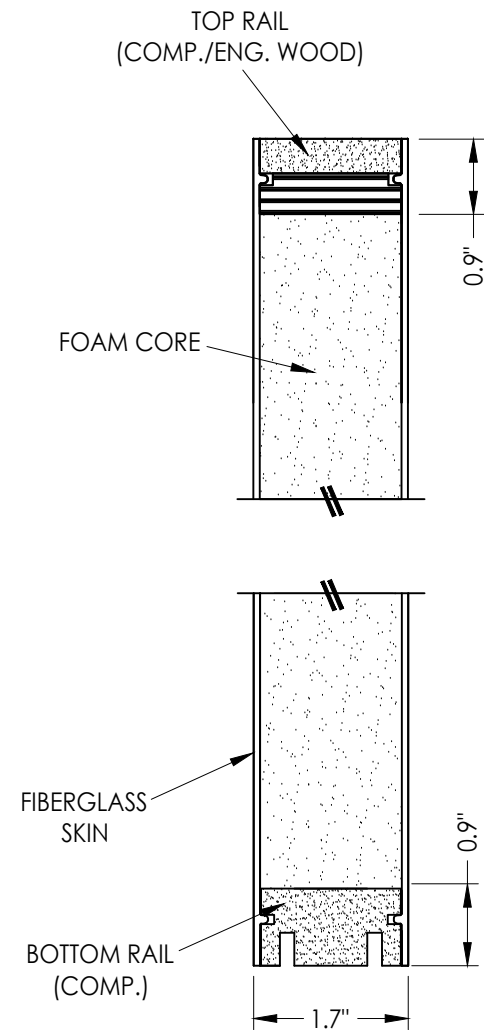


1 **HORIZONTAL CROSS SECTION**



40 FIBERGLASS DOOR PANEL

HARDWARE TABLE	
MANUFACTURER	MODEL
KWIKSET	KNOB: 400 SERIES (400P) DEADBOLT: 600 SERIES (660)



2 VERTICAL CROSS SECTION

FIBERGLASS DOOR SKIN: MIN. 0.070" THK.
FOAM CORE MATERIAL: POLYURETHANE

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PRODUCT:
WORLDWIDE DOOR COMPONENTS
FIRERGLASS DOOR

PART OR ASSEMBLY:

DOOR
PANEL DETAILS

[illegible]

DATE: 8/12/25

SCALE: N.T.S.

DWG. BY: *RW*

CHK. BY: LFS

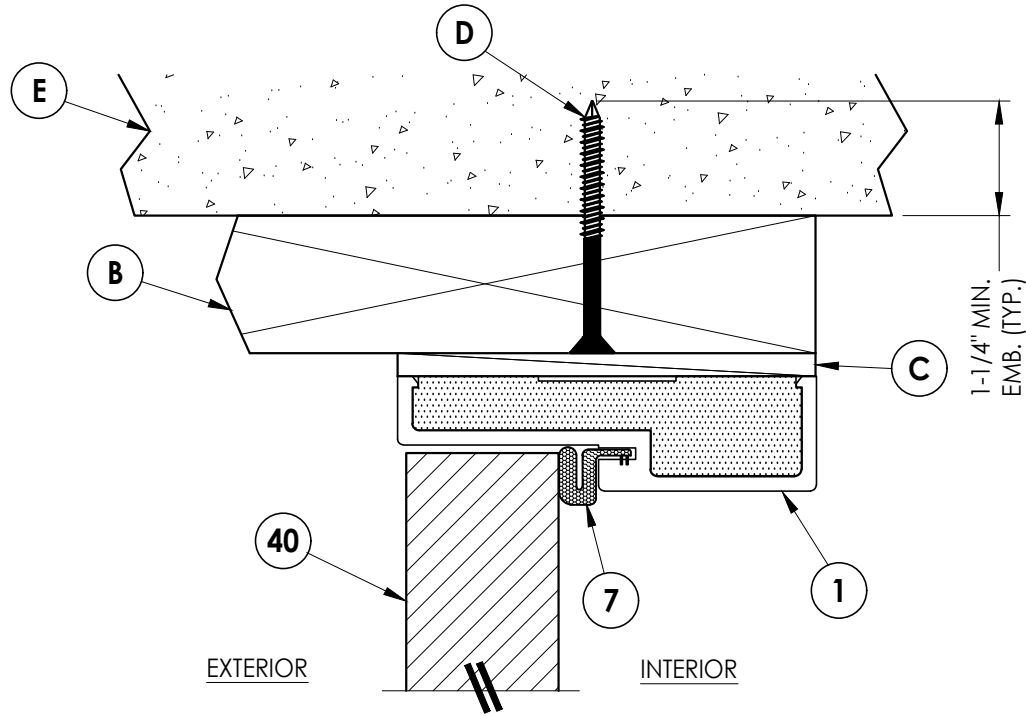
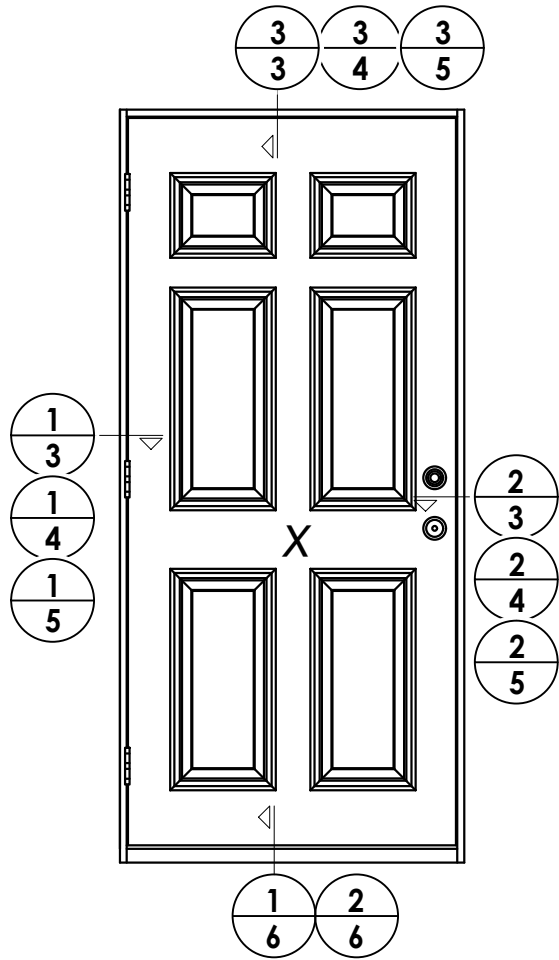
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FL-12991.6

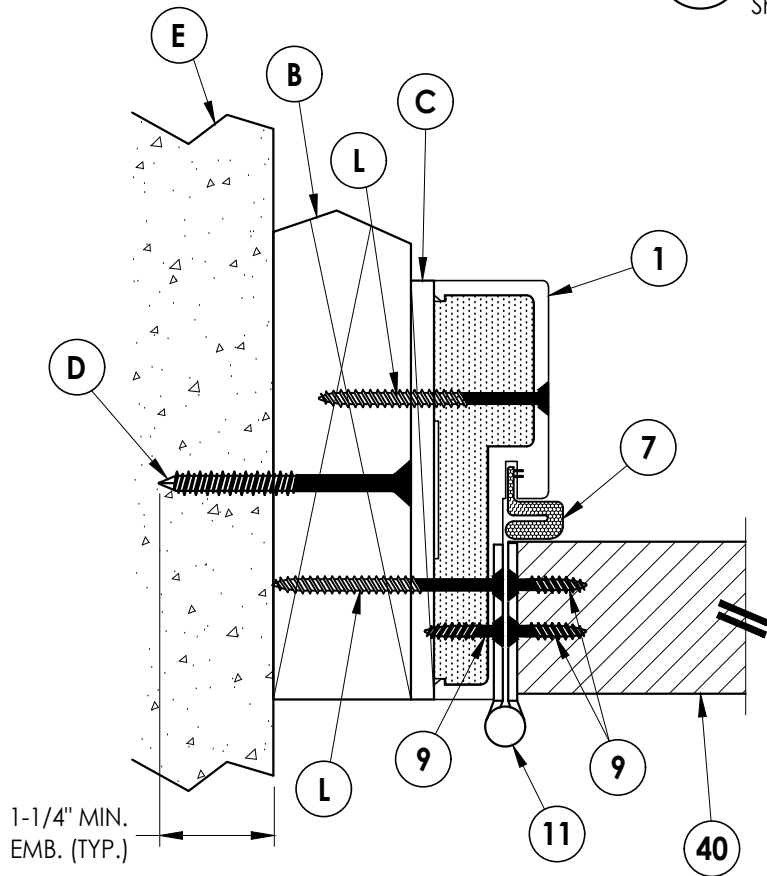
SHEET 2 OF 8

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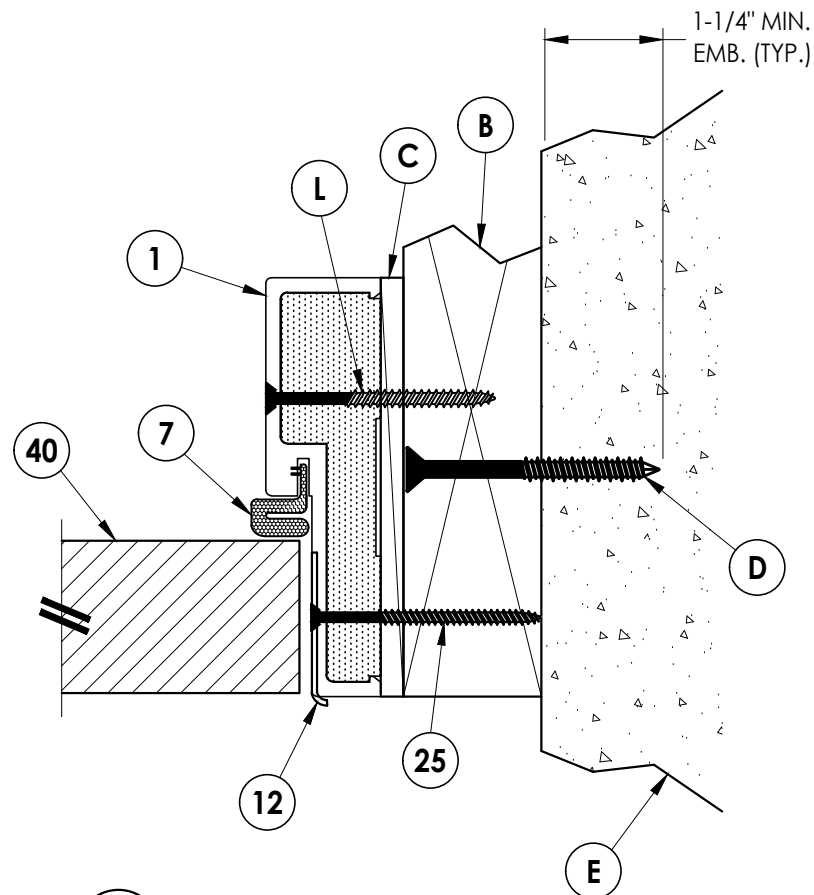
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3 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown w/ 2X Buck



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



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

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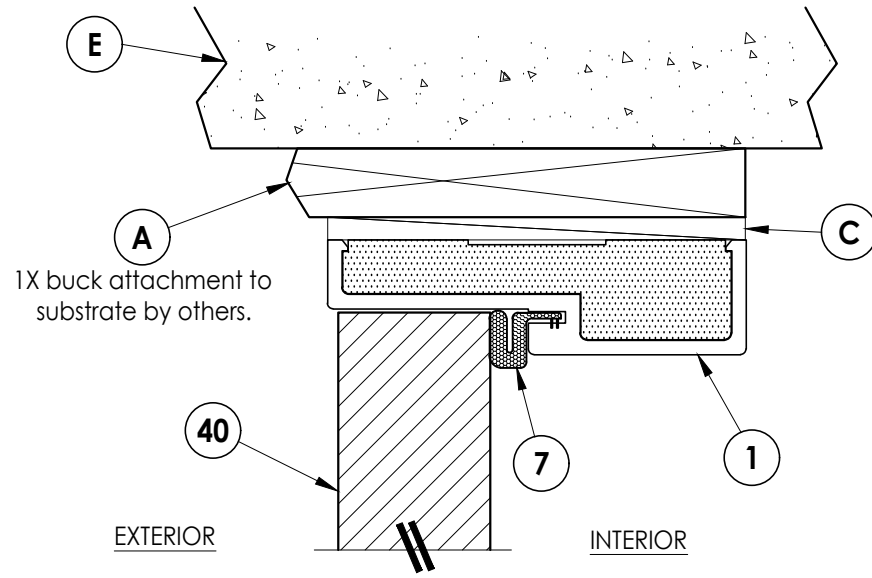
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FIBERGLASS DOOR

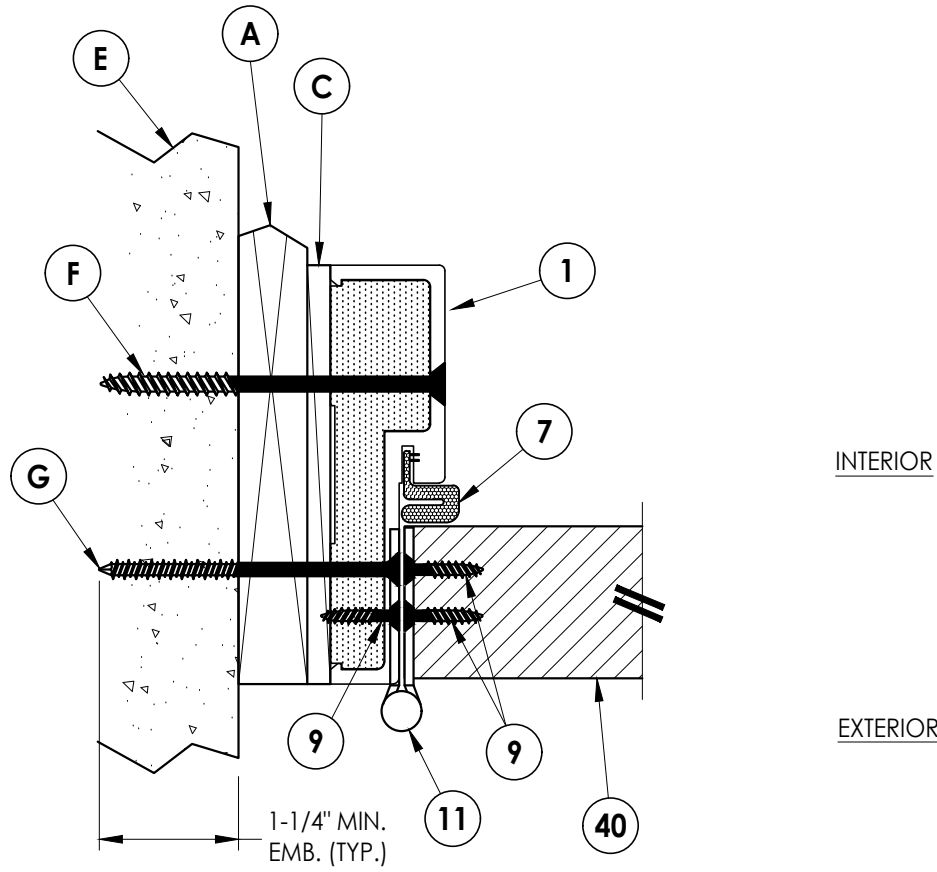
PART OR ASSEMBLY:
HORIZONTAL & VERTICAL
CROSS SECTIONS (2X BUCK)

DATE: 8/12/25
SCALE: N.T.S.
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CHK. BY: LFS
DRAWING NO.: FL-12991.6
SHEET 3 OF 8

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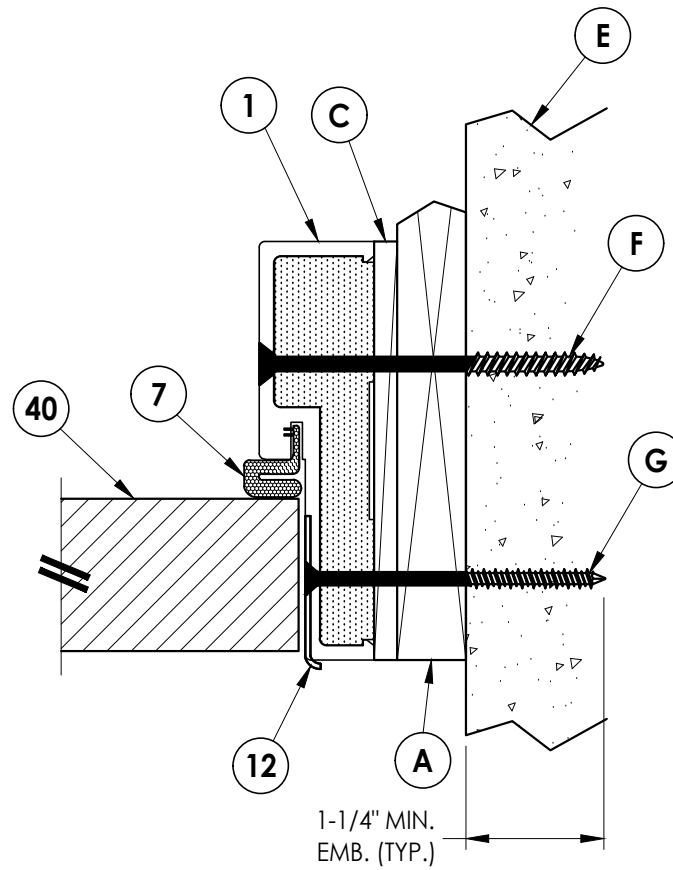


3 VERTICAL CROSS SECTION
4 Outswing Shown (Inswing Similar)
Shown w/ 1X Buck



1 **HORIZONTAL CROSS SECTION**

4 Outswing Shown (Inswing Similar) Shown w/ 1X Buck



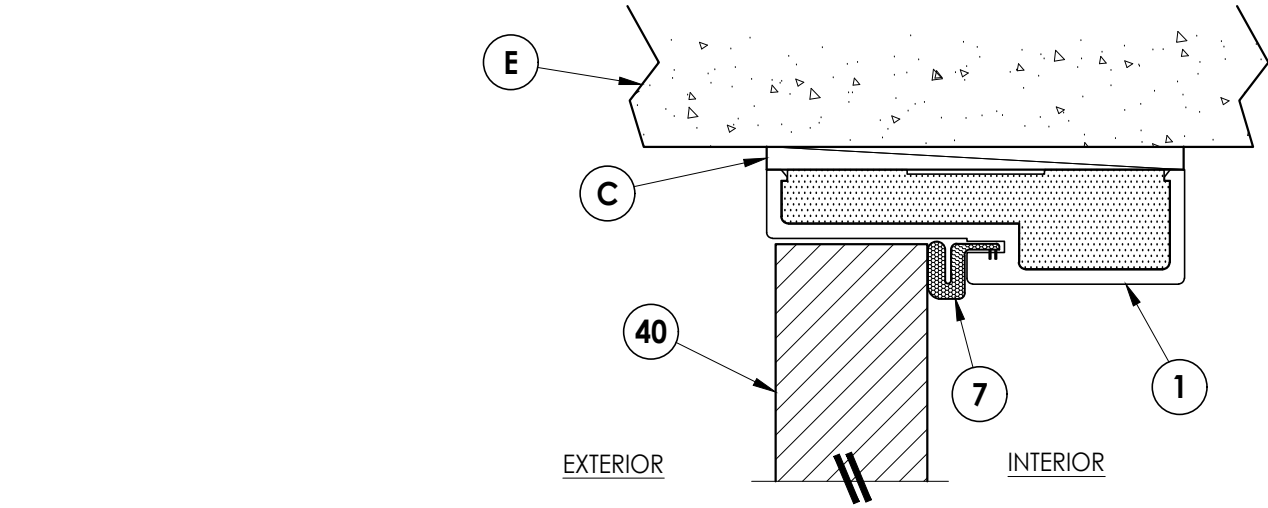
2 **HORIZONTAL CROSS SECTION**
4 Outswing Shown (Inswing Similar)
 Shown w/ 1X Buck

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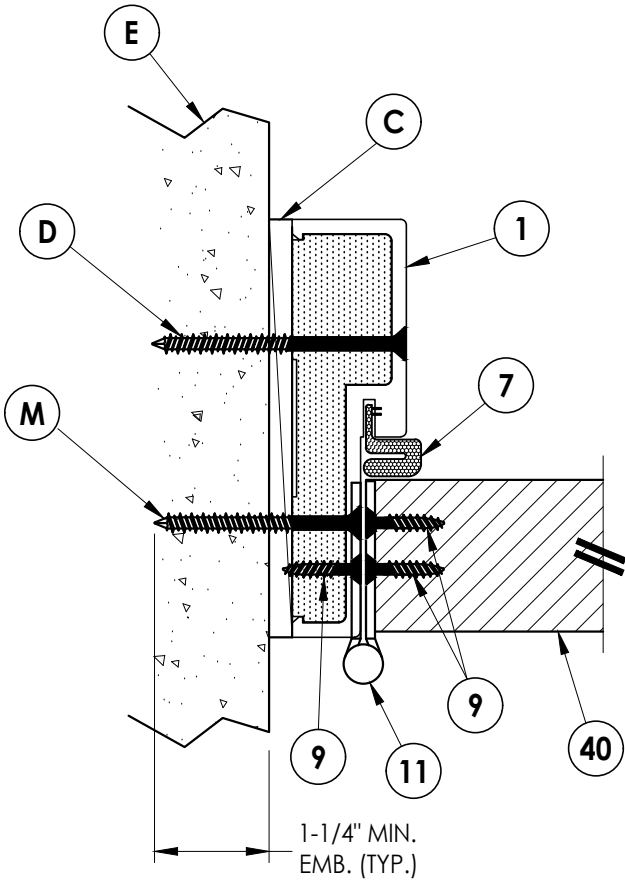
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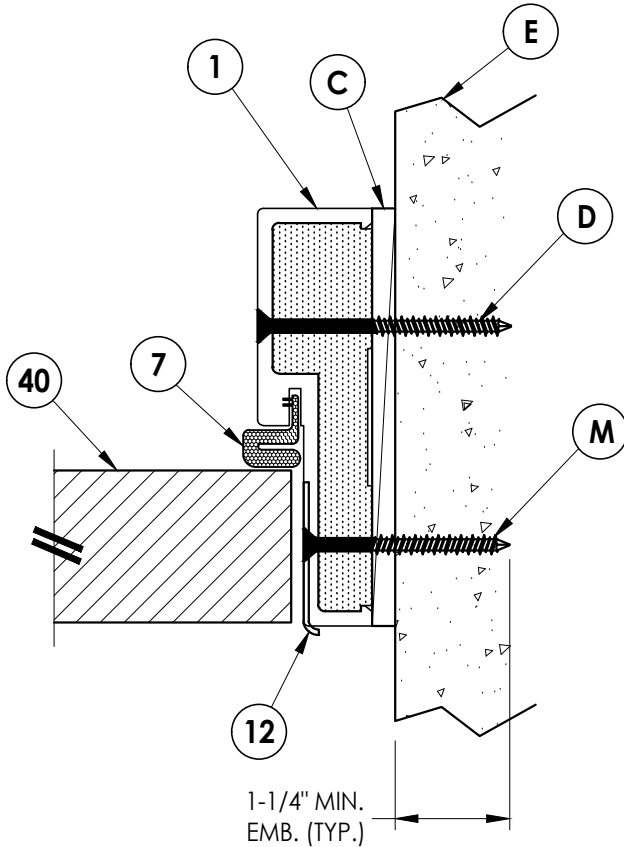
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3
5 **VERTICAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



1
5 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry



2
5 **HORIZONTAL CROSS SECTION**
Outswing Shown (Inswing Similar)
Shown Direct to Masonry

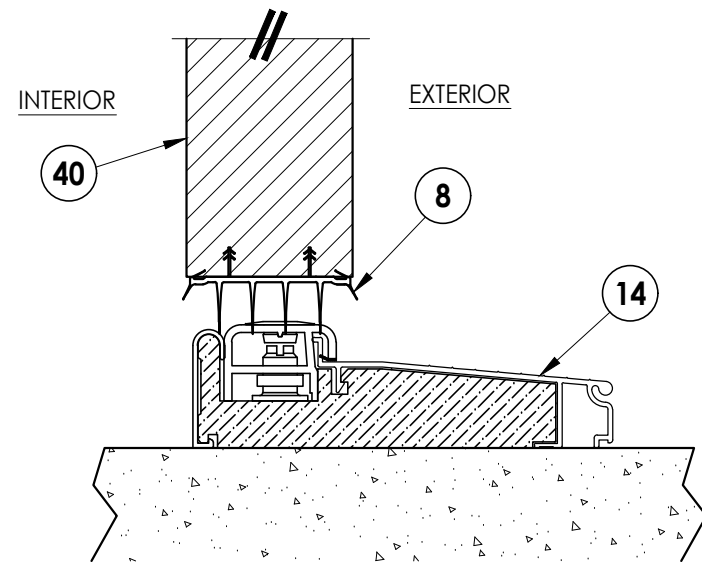
PRODUCT:
WORLDWIDE DOOR COMPONENTS
FIBERGLASS DOOR

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

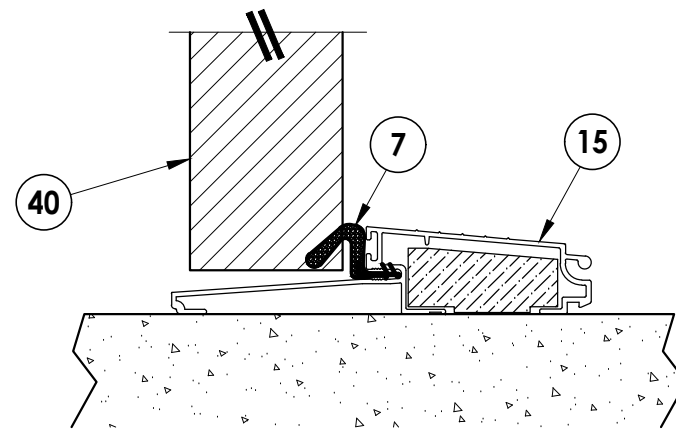
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DWG. BY: RW
CHK. BY: LFS
DRAWING NO.:
FL-12991.6
SHEET 5 OF 8



1 **VERTICAL CROSS SECTION**
6 Inswing Sill

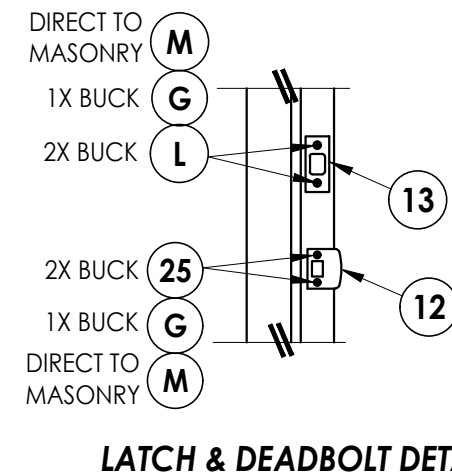
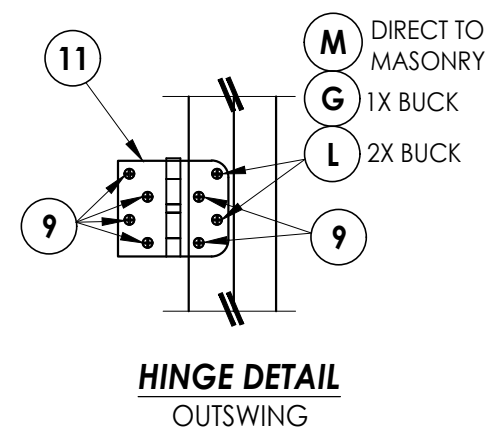
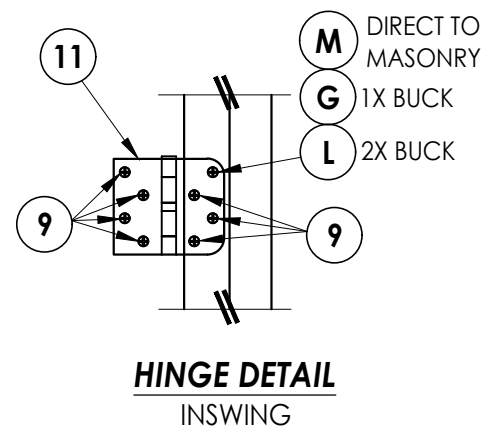
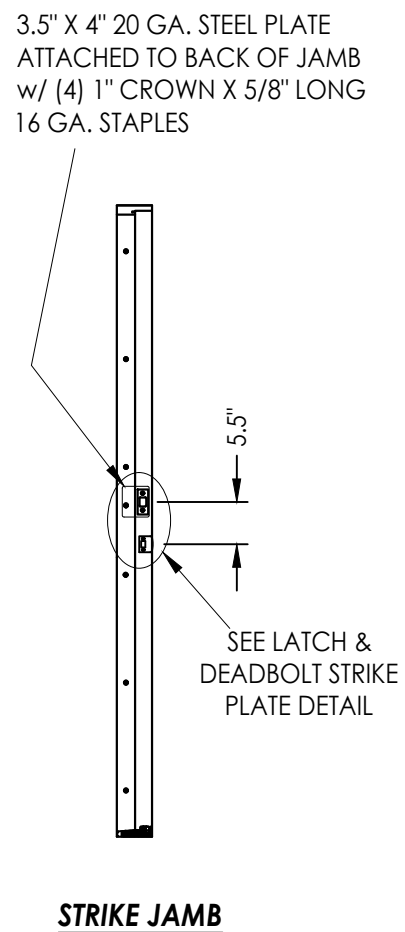
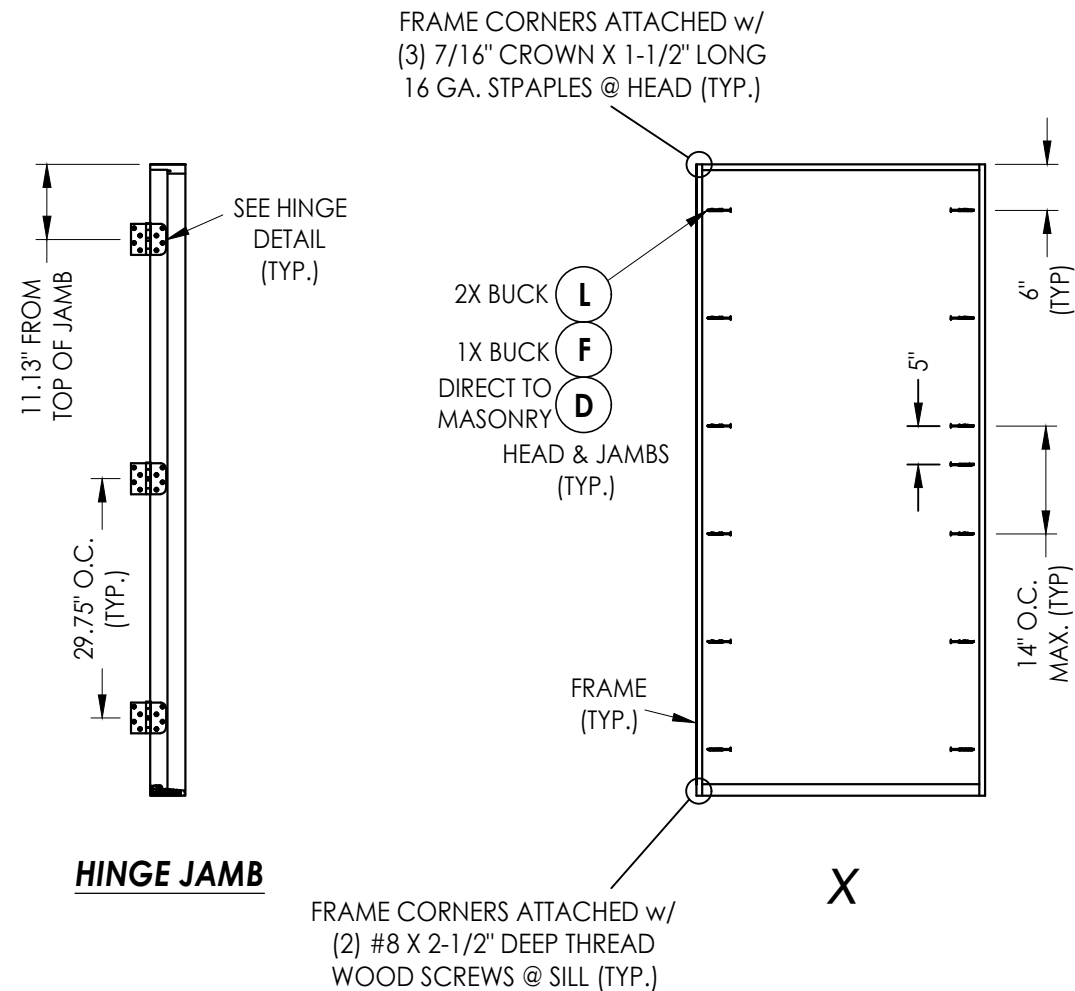
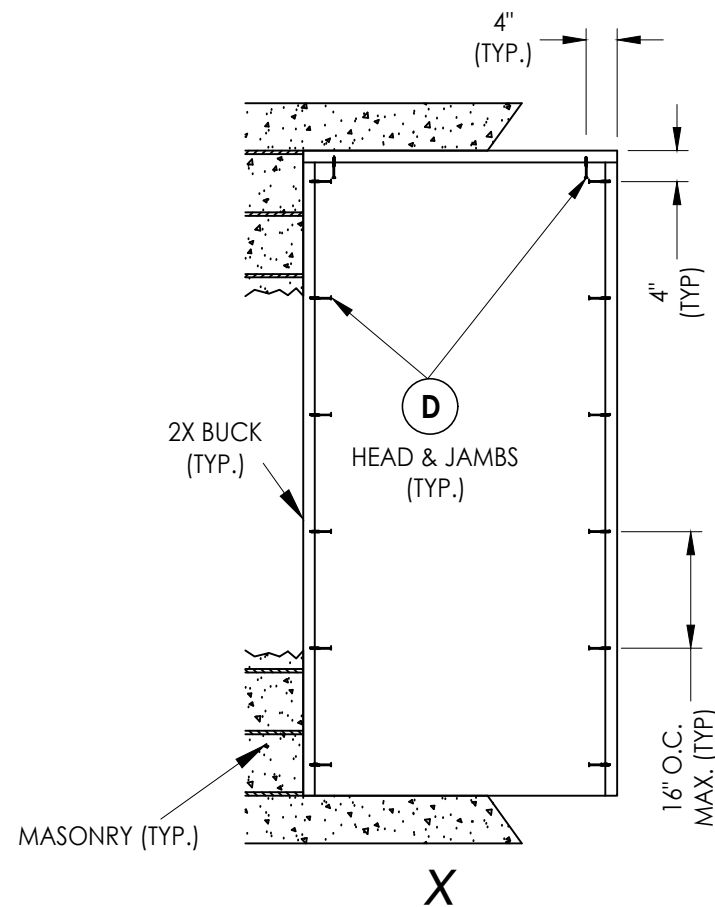


2 VERTICAL CROSS SECTION
6 Outswing Sill

[illegible]

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[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 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" MIN. EMB.)	STEEL
M	3/16" X 2-1/4" PFH ITW CONCRETE SCREW	STEEL
1	COMPOSITE JAMB	COMP
7	WEATHERSTRIP	FOAM
8	DOOR SWEEP	VINYL
9	#9 X 3/4" PFH WOOD SCREW	STEEL
11	4" X 4" HINGE	STEEL
12	LATCH STRIKE PLATE	STEEL
13	DEADBOLT STRIKE PLATE	STEEL
14	INSWING THRESHOLD	ALUM/COMP
15	OUTSWING THRESHOLD	ALUM/COMP
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
40	DOOR PANEL	-

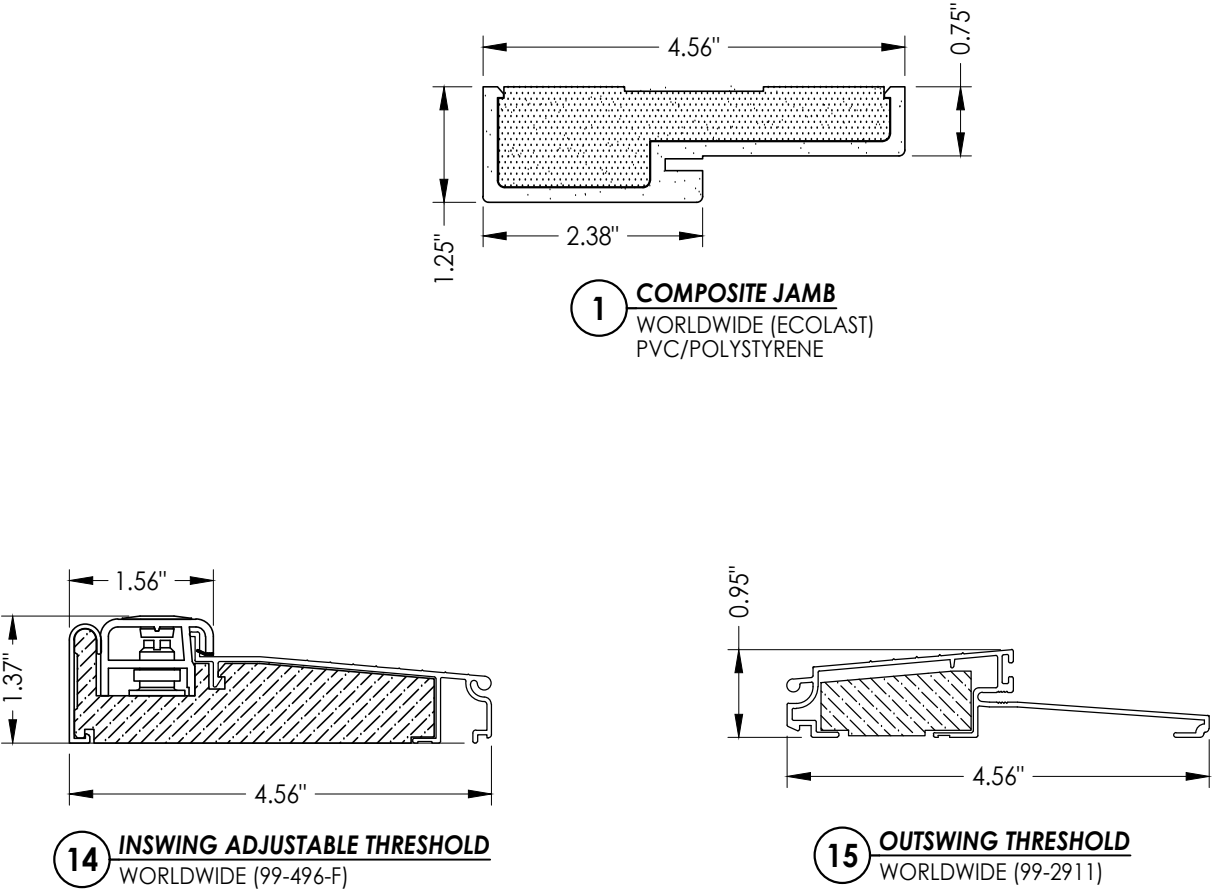
CONCRETE ANCHOR NOTES:

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]

DATE:	8/12/25
SCALE:	N.T.S.
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CHK. BY:	LFS
DRAWING NO.:	FL-12991.6
SHEET	<u>8</u> OF <u>8</u>

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