



The diagrams show the internal structure of a composite panel. The top diagram is the interior view, showing a top rail (LVL) with a cap (PVC) on top, a fiberglass skin, and a foam core. The bottom diagram is the exterior view, showing a bottom rail reinforcement (LVL) and a bottom rail (COMP) at the base, with a foam core in between. Dimensions are provided for the top rail (0.7" and 1") and the bottom rail (1" and 0.6").

Interior View:

- CAP (PVC):** The topmost layer of the interior rail.
- TOP RAIL (LVL):** The interior longitudinal structural member.
- FIBERGLASS SKIN:** The outer layer of the interior rail.
- Dimensions:** 0.7" for the cap and 1" for the total rail height.

Exterior View:

- FOAM CORE:** The central insulating layer.
- BOTTOM RAIL REINFORCEMENT (LVL):** The exterior longitudinal structural member.
- BOTTOM RAIL (COMP):** The exterior base layer.
- Dimensions:** 1" for the rail height and 0.6" for the base layer thickness.

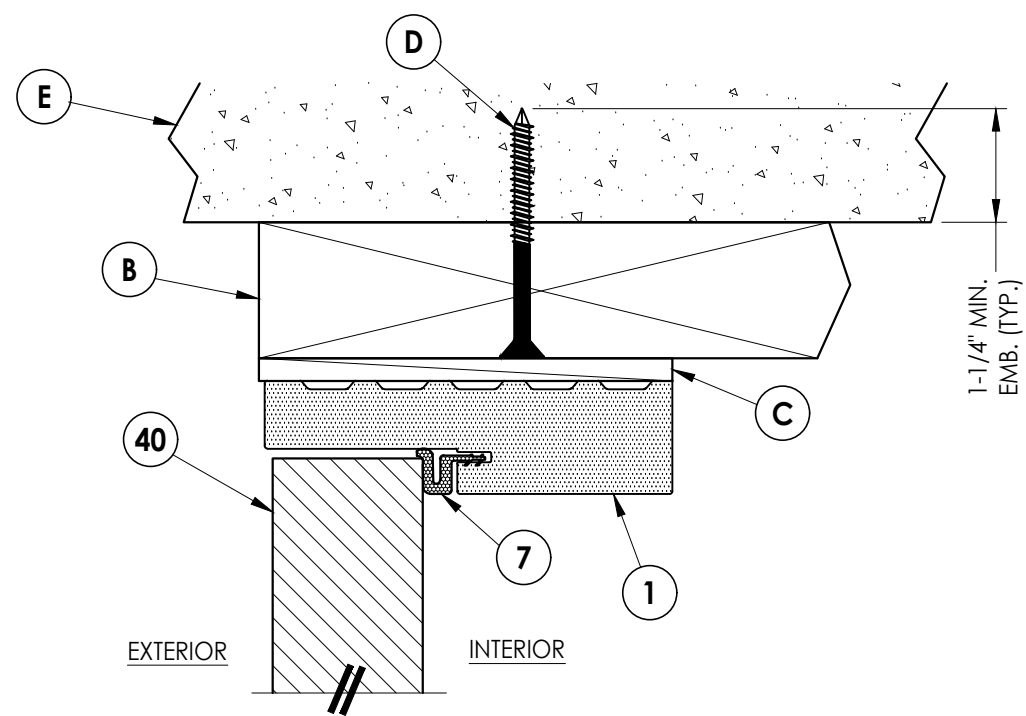
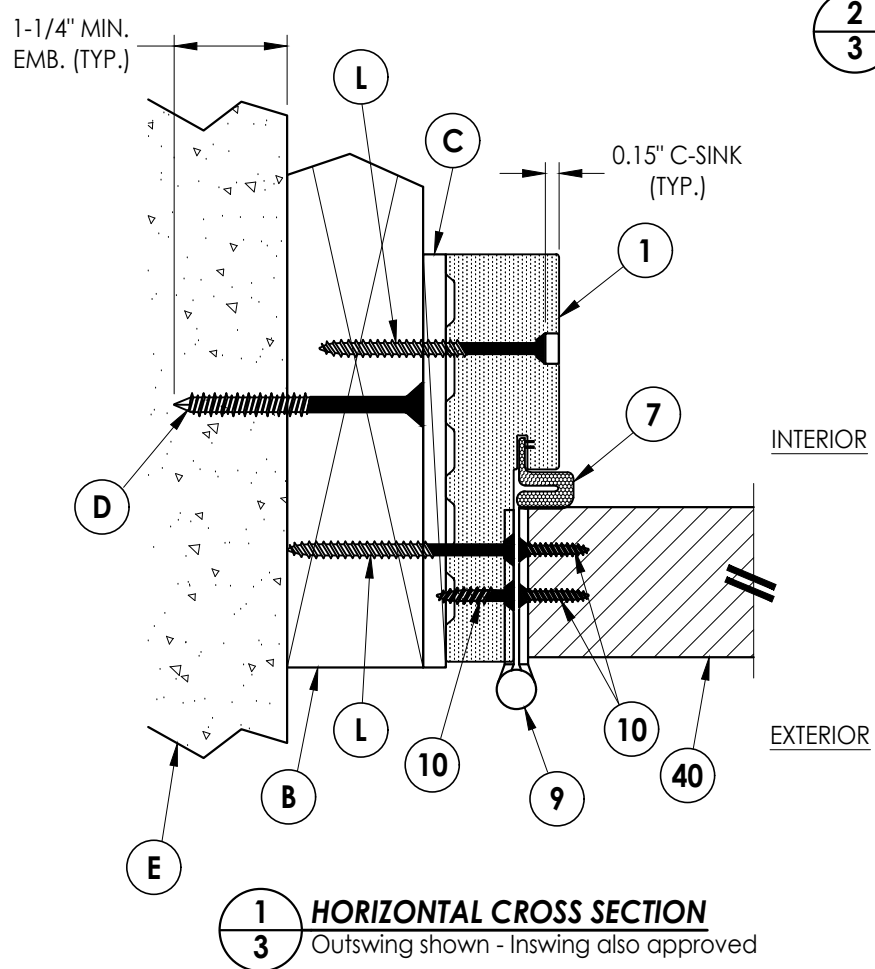
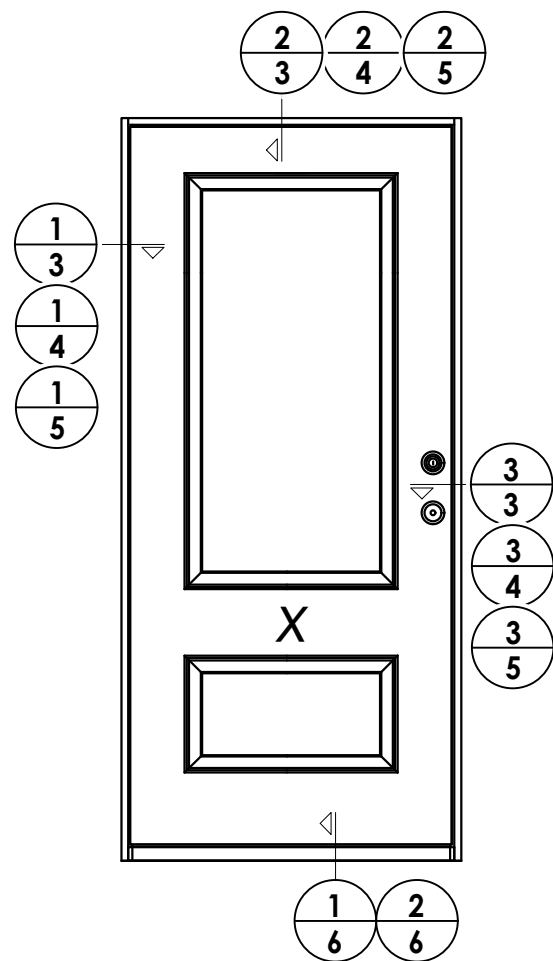
2 VERTICAL CROSS SECTION

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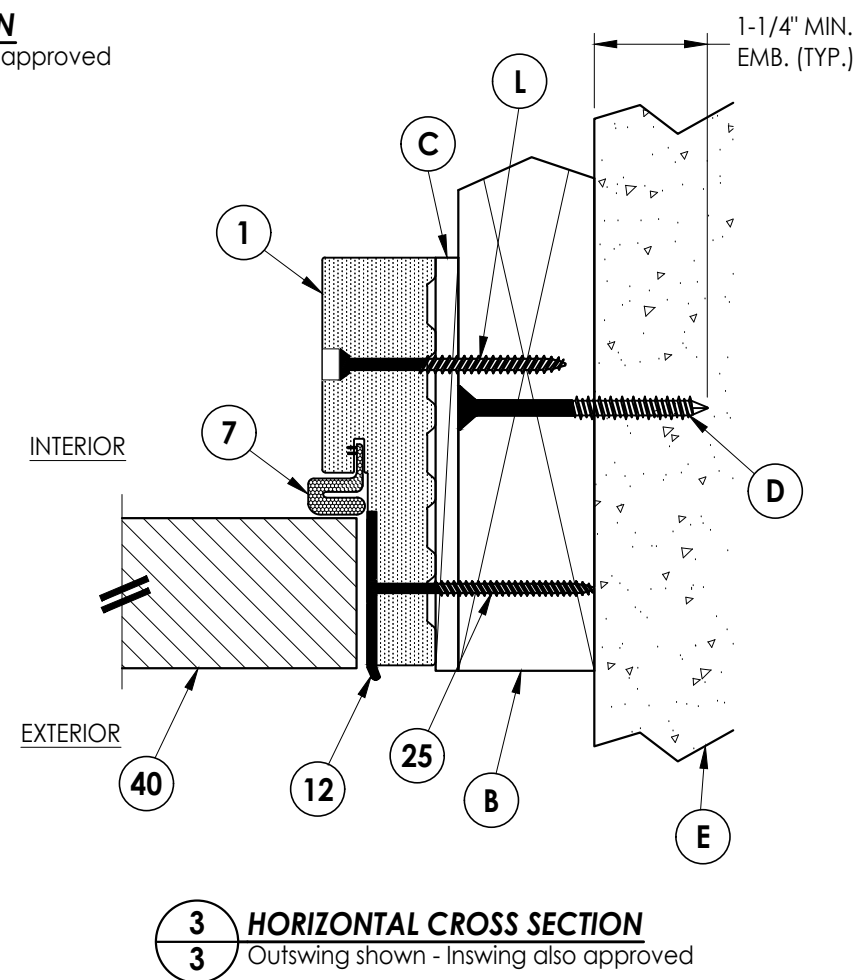
PART OR ASSEMBLY:
DOOR PANEL DETAILS

[illegible]

SHEET 2 OF 8



2 VERTICAL CROSS SECTION
3 Outswing shown - Inswing also approved



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PRODUCT: GLASSCRAFT DOOR CO.

TEST OR ASSEMBLY: HORIZONTAL AND VERTICAL CROSS SECTIONS (2X BUCK)

[illegible]

DATE: 6/18/25

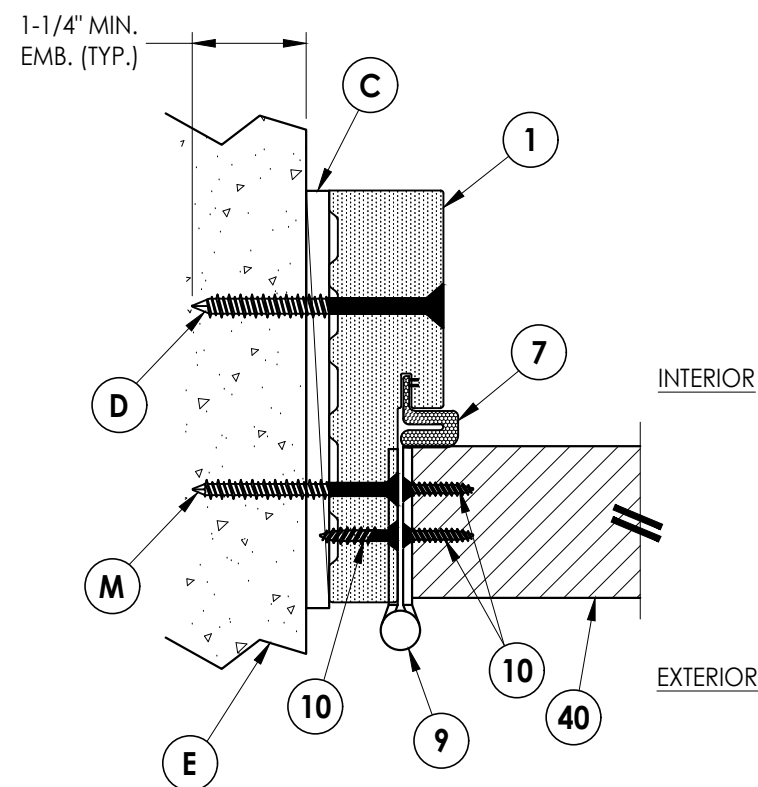
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DWG. BY: *LFS*

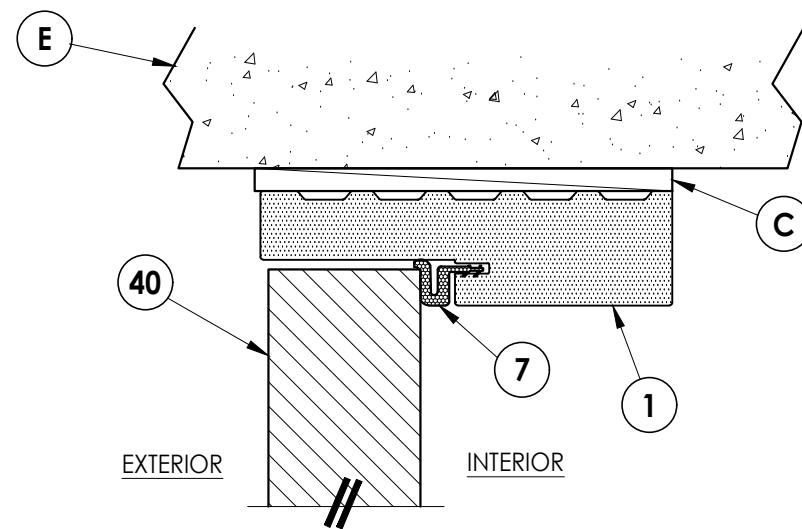
CHK. BY: *RW*

DRAWING NO.:

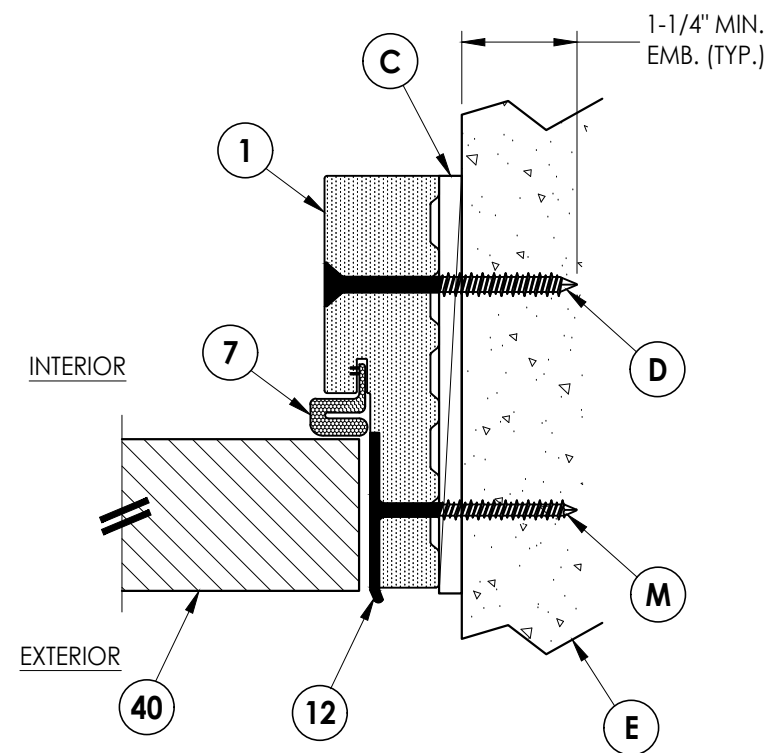
FL-47587.1



1 **HORIZONTAL CROSS SECTION**
5 Outswing shown - Inswing also approved



2 **VERTICAL CROSS SECTION**
5 Outswing shown - Inswing also approved



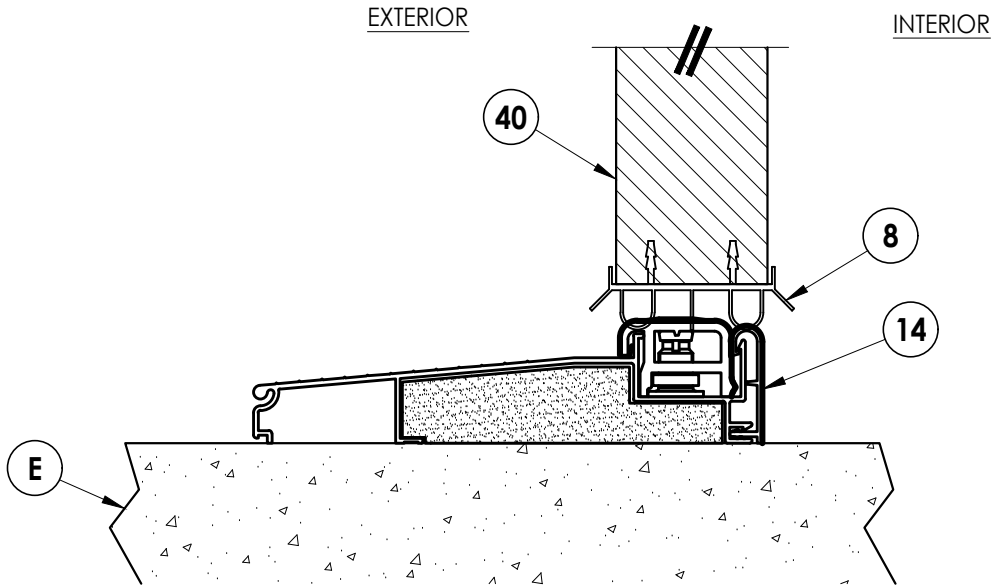
3 **HORIZONTAL CROSS SECTION**
5 Outswing shown - Inswing also approved

[illegible]

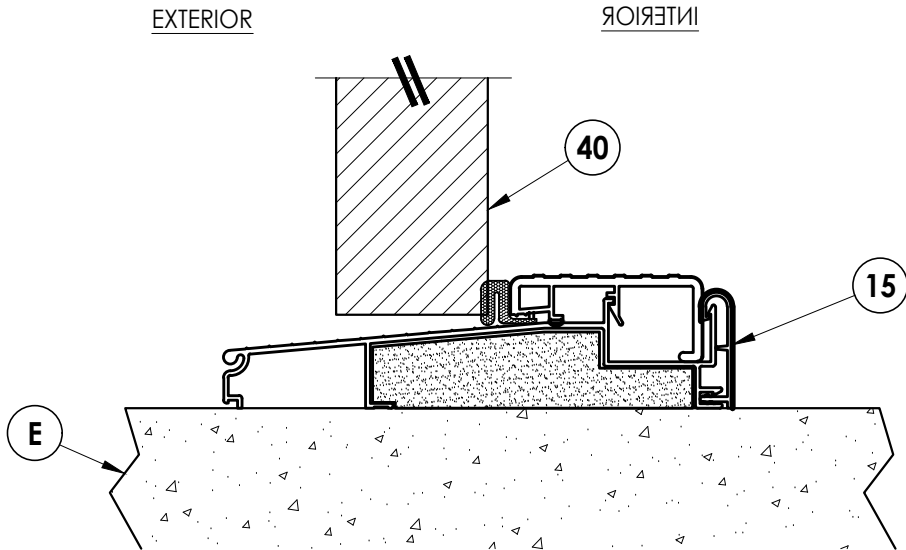
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Z:\2023 FBC Drawings\GlassCraft Door Corp\FL-47587 R1\FL-47587.1.dwg



1 **VERTICAL CROSS SECTION**
6 Inswing sill



2 **VERTICAL CROSS SECTION**
6 Outswing sill

DATE: 6/18/25

SCALE: N.T.S.

DWG. BY: LFS

CHK. BY: RW

DRAWING NO.:
FL-47587.1

SHEET 6 OF 8

PRODUCT:
GLASSCRAFT DOOR CO.

PART OR ASSEMBLY:
VERTICAL CROSS SECTIONS

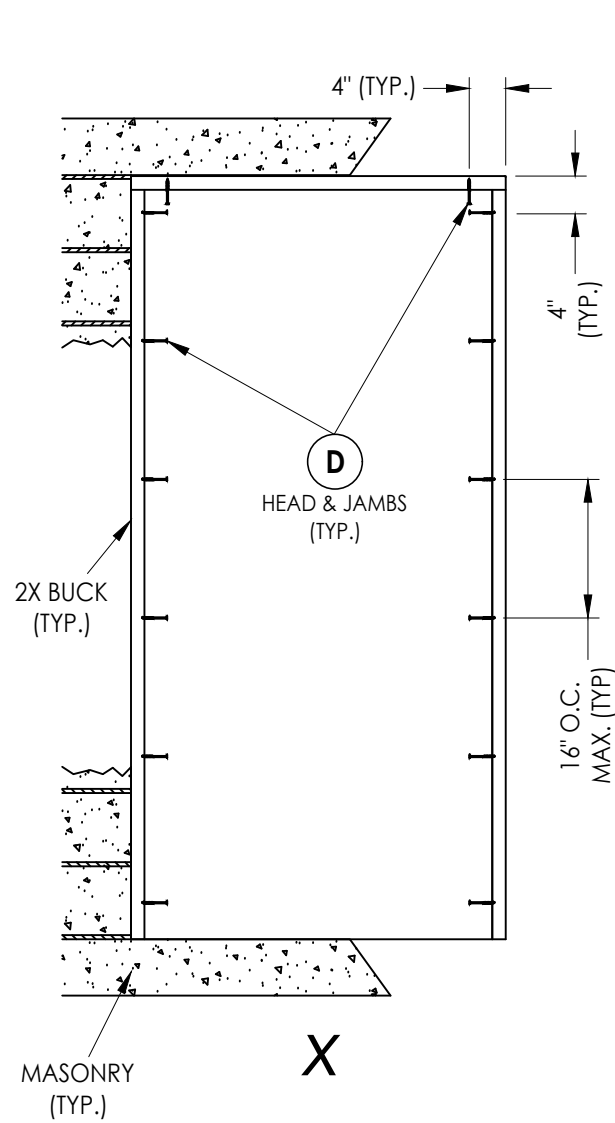
NO.	DATE	DESCRIPTION	BY
1	9/01/26	UPDATE TO 9TH ED. (2026) FBC	LFS

REVISIONS

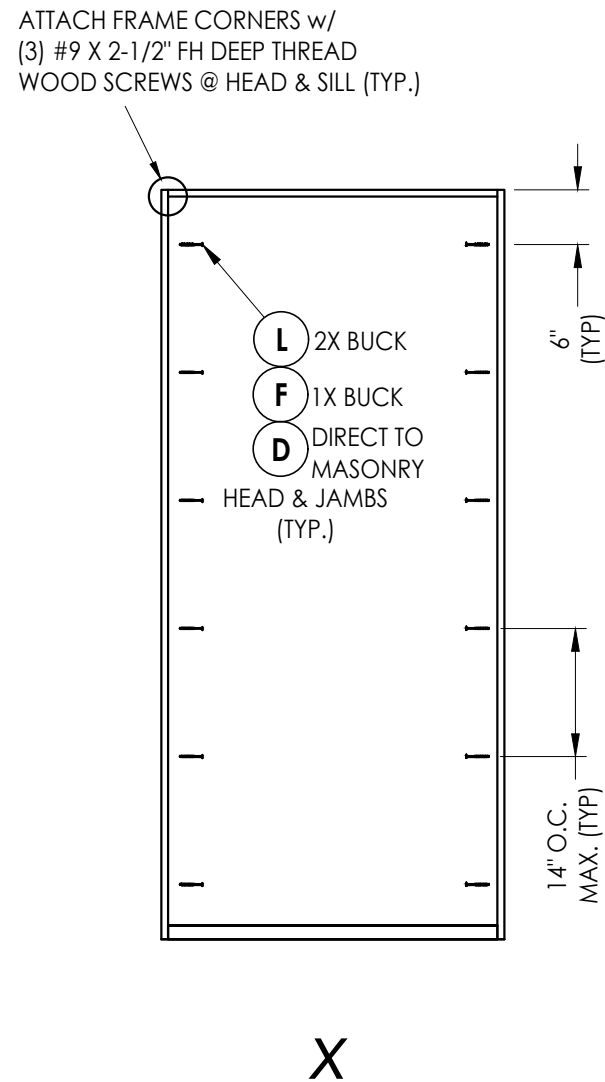
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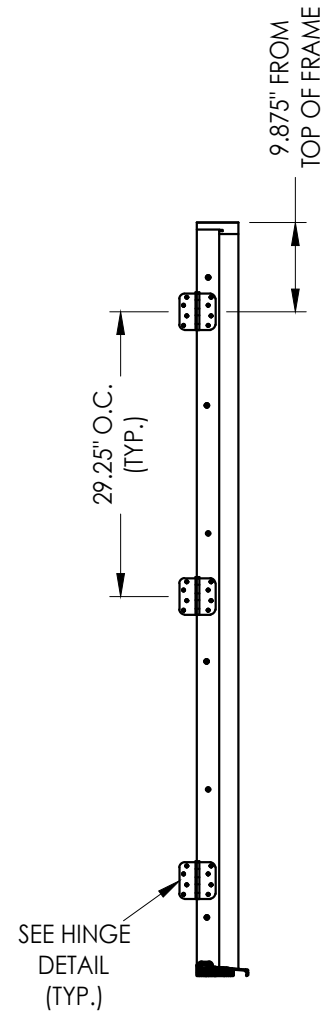
2X BUCK ANCHORING



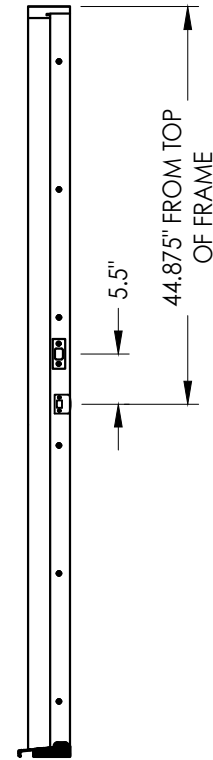
FRAME ANCHORING



HINGE JAMB

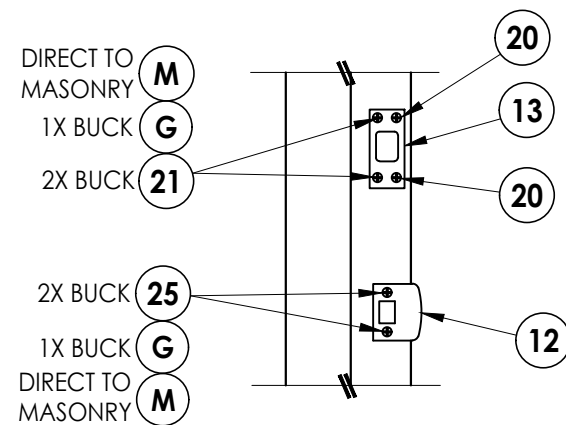


STRIKE JAMB



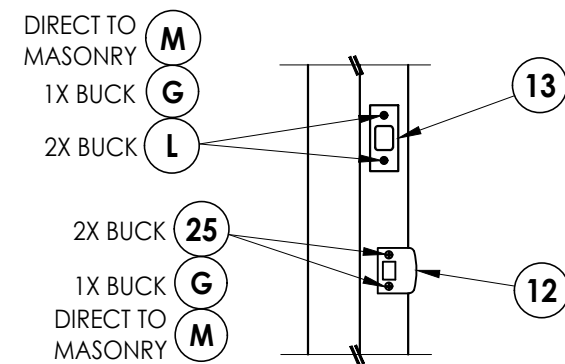
STRIKE PLATE DETAIL

KWIKSET HARDWARE



STRIKE PLATE DETAIL

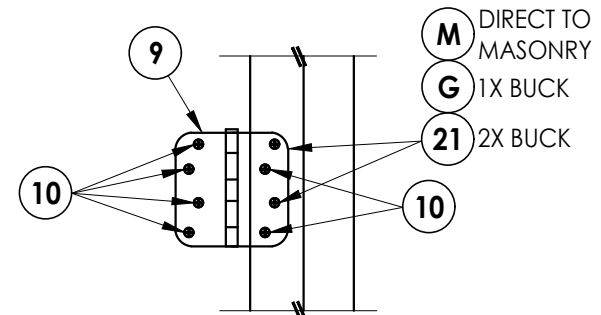
SCHLAGE HARDWARE



HARDWARE DETAILS

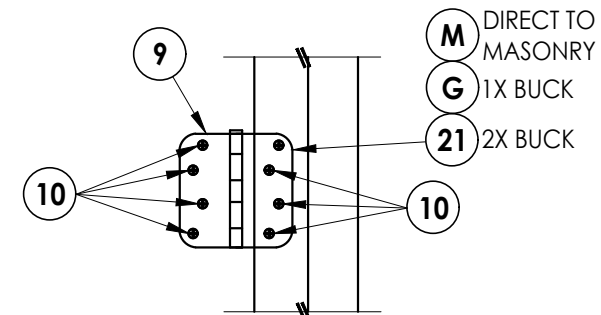
HINGE DETAIL

INSWING



HINGE DETAIL

OUTSWING

[illegible]

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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
8	DOOR SWEEP	VINYL
9	4" X 4" HINGE	STEEL
10	#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
20	#8 X 1/2" PFH WOOD SCREW	STEEL
21	#12 X 2-1/2" PFH WOOD SCREW	STEEL
25	#8 X 2-1/2" PFH WOOD SCREW	STEEL
40	DOOR PANEL	-

CORROSION RESISTANCE - SALTWATER ENVIRONMENTS

Fasteners & connectors in areas within 3000 ft (914 m) of a saltwater coastline shall comply with FBC Sections 1711.1 or R332.1.

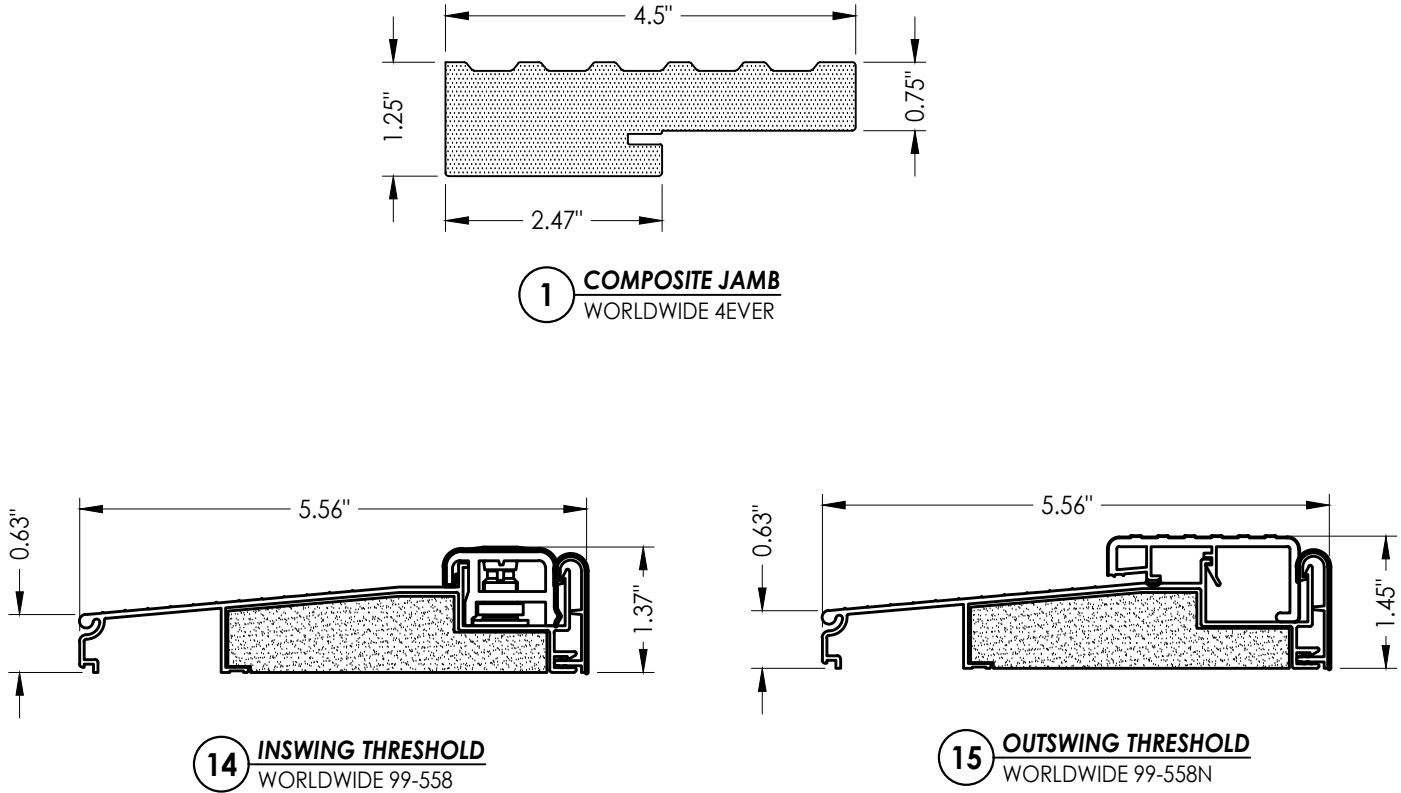
CONCRETE ANCHOR NOTES:

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"	AS SHOWN	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]

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