

1.0 – PRO BUCK INSTALLATION GUIDE

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1.0 – PRODUCT DESCRIPTION

Designed to replace wood bucks for window and door openings, Logix Pro Buck is a durable buck system providing continuous insulation, and a full thermal break at door and window openings.

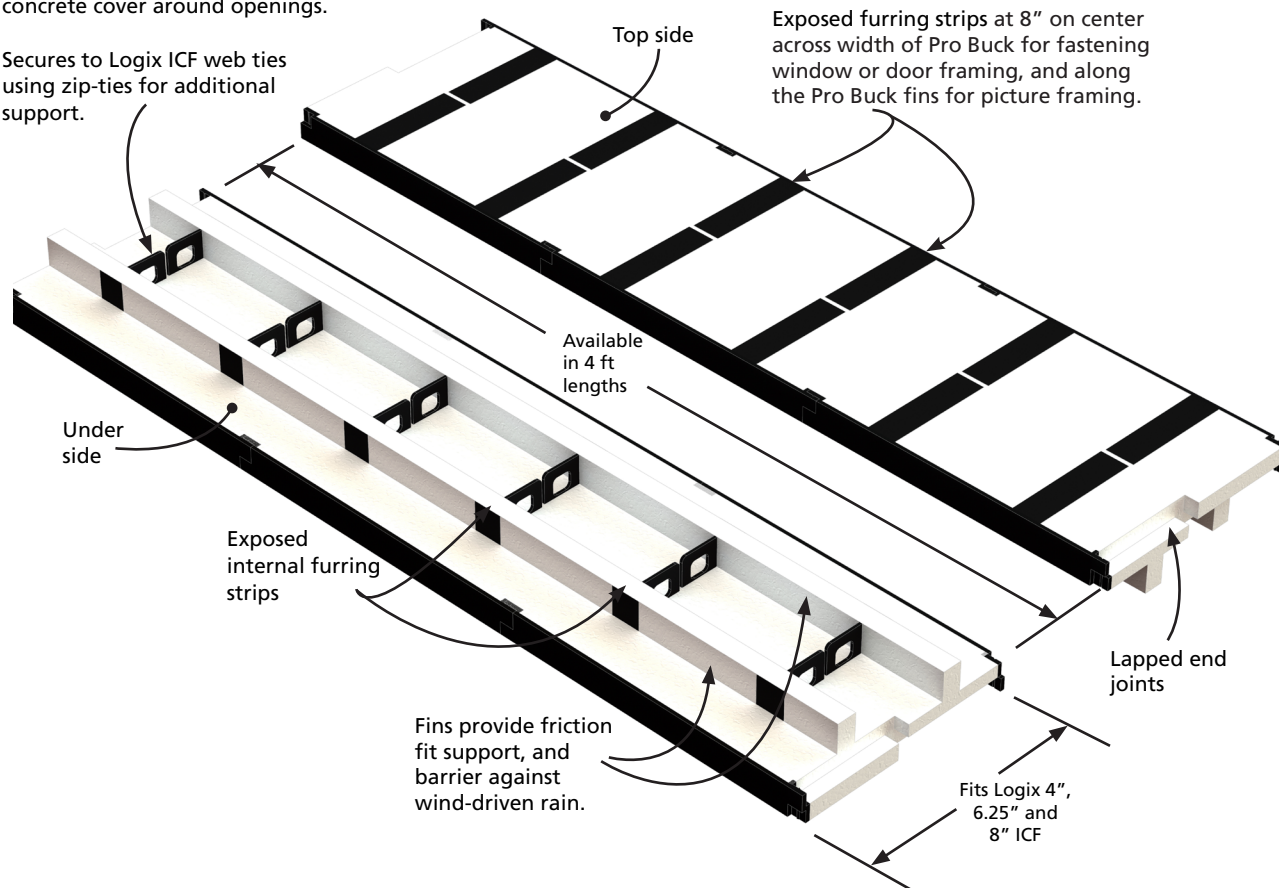
Logix Pro Buck are made of dense molded expanded polystyrene (EPS) foam. Molded into the EPS are dense polypropylene furring strips, which serve as fastening edges for inset and flanged window and doors.

Furring strips are molded with Tie-back Loops.

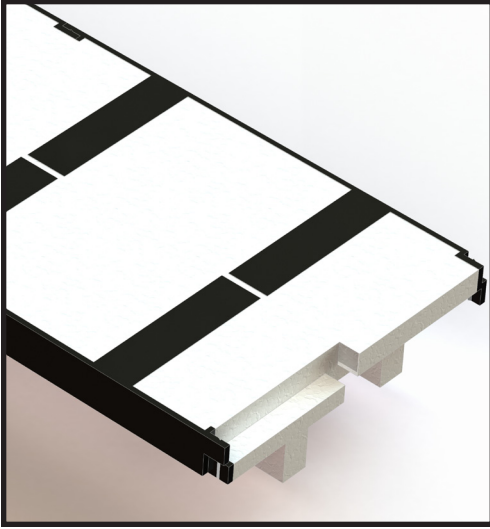
Anchors Pro Buck to concrete providing direct load path for fasteners to concrete.

Acts as rebar chair providing 1.5" concrete cover around openings.

Secures to Logix ICF web ties using zip-ties for additional support.

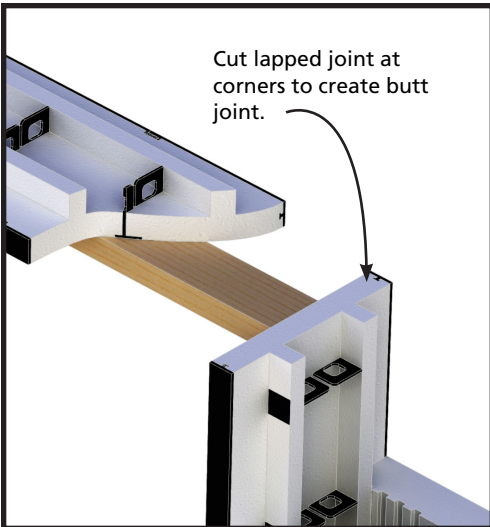


2.0 – ASSEMBLING LOGIX PRO BUCK

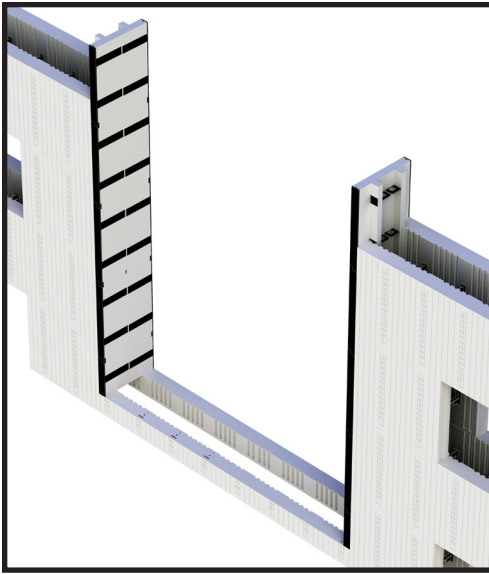


Logix Pro Bucks are designed with lapped joints to create a continuous thermal break when assembled. The lapped ends of an assembled Pro Buck should be cut to create a full contact butt joint at the corners of the opening. Cutting Pro Buck can be done with a hand saw or circular saw.

For efficiency, a table long enough to accommodate connecting and cutting Pro Buck sections together is recommended. This can be done by simply using a pair of sawhorses and a section of plywood, or 2x lumber, such as 2x10 or 2x12 pieces.



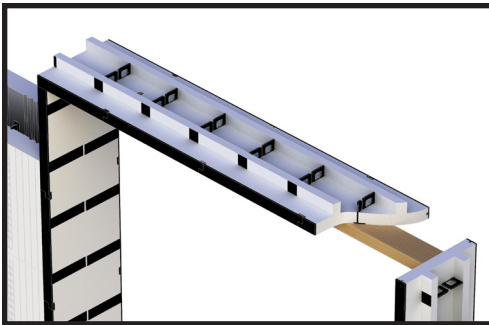
3.0 – INSTALLING LOGIX PRO BUCK



When the walls are built to the height of the opening installation of the Pro Buck can begin. The rough opening is measured between the Pro Bucks. Therefore, to account for the 1.5" thickness of Pro Buck, the opening in the Logix ICF wall should be cut 3" wider and 3" taller than the rough opening.

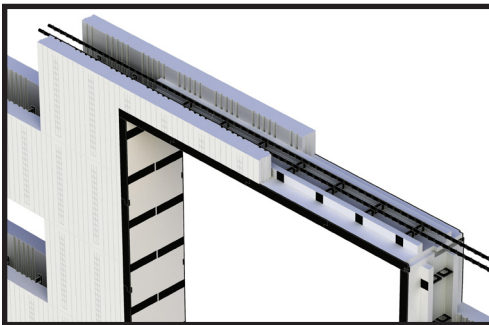
STEP 1: INSTALL LOGIX PRO BUCK SIDE PIECES

- Assemble the Pro Buck and cut the lapped ends to fit the height of the opening minus 1.5", which is the thickness of the top Pro Buck piece. The side pieces will rest directly on top of the bottom opening.

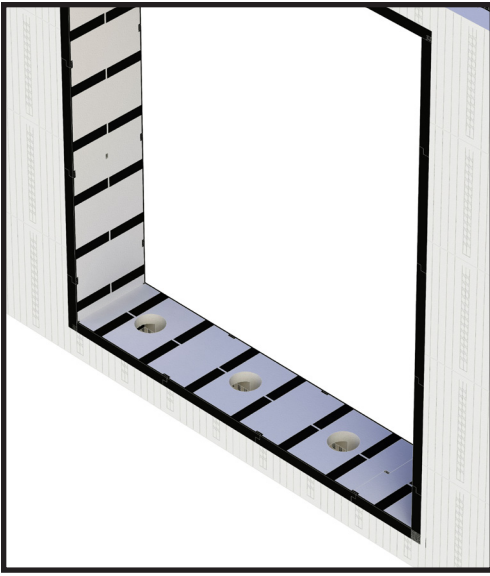


STEP 2: INSTALL LOGIX PRO BUCK TOP PIECE

- Assemble the Pro Buck and cut the lapped ends to fit the entire width of the opening.
- Measure a 2x wood to fit the width of the opening between the two Pro Buck side pieces installed in Step 1. The 2x should be fastened to the Pro Buck top piece before setting into place.
- Center and fasten the 2x wood to the exposed furring strips of the top piece. This will stiffen the top piece and prevent excessive deflection when installed.
- Place the top piece into the opening with the 2x wood fastened to the top piece. The ends of the top piece will sit directly on the Pro Buck side pieces.
- Rebar for the lintel can be placed and tie-wired directly on the tie-back loops of the top piece, providing a 1.5" concrete cover.
- Continue the next course of Logix over the



3.0 – INSTALLING LOGIX PRO BUCK CONT'D

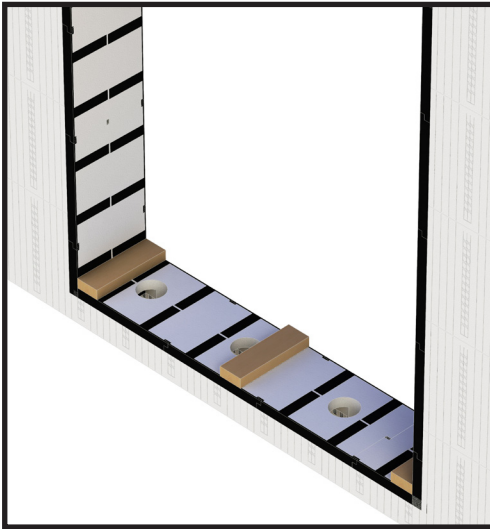


opening. When the next course is laid use zip ties around the tie-back loop to connect the top piece of Pro Buck to the Logix block.

STEP 3: INSTALL LOGIX PRO BUCK BOTTOM PIECE

- Assemble Logix Pro Buck and cut the lapped ends to fit the width of the opening between the Pro Buck sides pieces installed in Step 1.
- Avoid debris in the wall cavity by cutting minimum 4" access ports along the bottom Pro Buck piece before placing in the opening.
- Provide access ports every 16" to allow for adequate concrete placement and consolidation. The foam cut out for the access ports can be replaced after the pour, or the concrete can be brought flush to the face of the opening.
- Using a membrane flashing is recommended to cover the joints between Pro Bucks and the Logix blocks.

4.0 – INSTALLING BRACING



Once the Pro Buck pieces are placed in the opening (See 3.0 Installing Logix Pro Buck) add 2x wood bracing to secure the Pro Bucks during concrete placement.

Wood screws are recommended when fastening wood bracing to Logix Pro Buck.

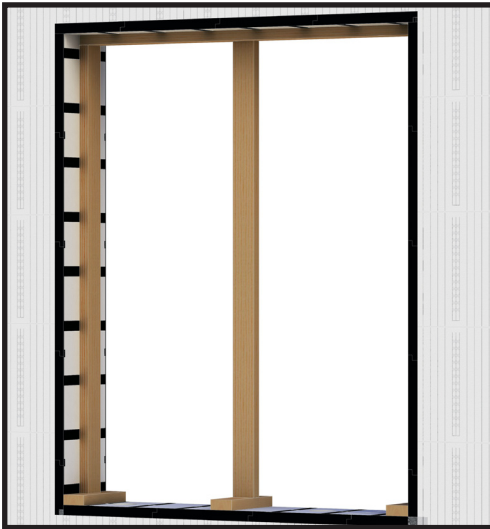
STEP 4: CUT SUPPORT FOR VERTICAL BRACING

- Starting with the bottom of the opening, cut lengths of 2x wood to match the width of Pro Buck.
- Place the cut 2x wood every 2 ft along the bottom of the opening. Make sure to add one at each corner. These cut wood sections will support the vertical wood bracing.



STEP 5: CUT SUPPORT FOR SIDE PRO BUCK PIECES

- At each side of the opening, cut 2x wood so that it fits snug underneath the wood installed at the top of the opening in Step 2, and rests on top of the cut wood sections at the bottom corners from Step 4.
- Center the wood pieces and fasten into the exposed furring strips.



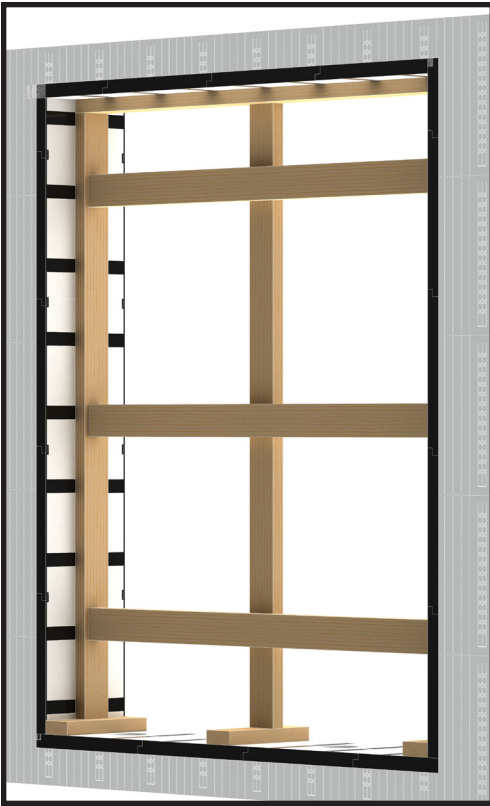
STEP 6: INSTALL VERTICAL BRACING

- Cut 2x wood pieces long enough to fit snug between the wood attached at the top of the opening (from Step 2) and the cut wood sections along the bottom opening (from Step 4). The wood should be centered and toe-nailed to secure in place.

4.0 – INSTALLING BRACING

STEP 7: INSTALL HORIZONTAL BRACING

- Cut 2x wood long enough to fit snug between the wood pieces attached to the side of the opening (from Step 5), and space every 2 ft.
- Fasten the vertical bracing (from Step 6) to the horizontal bracing where they cross, and toenail at the ends.



5.0 – PICTURE FRAMING

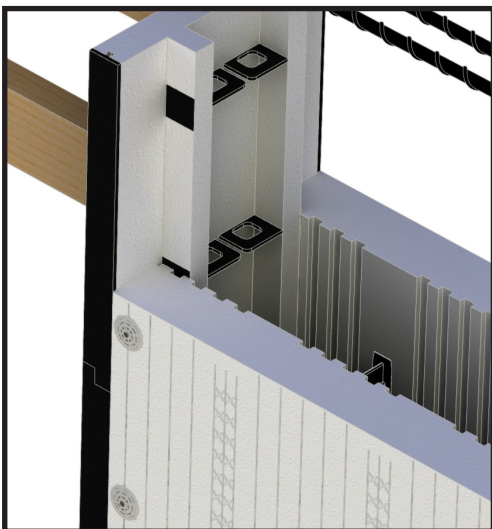


Picture framing is recommended to secure Pro Bucks if:

- there are more than 3 foam bars unsupported by a web along the sides of the opening, or
- the top and bottom of the blocks of the opening has been cut compromising the integrity of the web ties.

STEP 8: INSTALL PICTURE FRAMING

- When required install picture framing every 8" on center by screwing Wind Devils (or equivalent) through the Logix form panels and into the internal furring strips on the Pro Buck fins. Wind Devil fasteners are available from www.wind-lock.com.
- The internal furring strips are easy to locate as they are in the same spot as the exposed furring strips that run across the face of the buck.
- Finishes such as stucco, or acrylic textured finishes can be applied directly over Wind Devil fasteners (or equivalent).



6.0 – HINGE SUPPORT FOR DOORS

Door hinges can be fastened to the exposed furring strips. However, in cases where the screw holes on the door hinge do not align with the exposed furring strips additional backing such as plywood against the hinge side door jamb will provide the support required. The solid backing can be fastened to the exposed furring strips.

When adding a solid backing to the hinge side door frame the thickness of the backing should be accounted for when determining the door rough opening.

7.0 – FASTENING WINDOW/DOOR FRAMES

Non-corrosive wood screws are recommended for the attachment of window or door frames to Logix Pro Buck.

Inset or flanged windows and doors are fastened to the furring strips molded into the Logix Pro Buck. The furring strips are anchored into the concrete providing proper load transfer from the window/door to the concrete substrate.

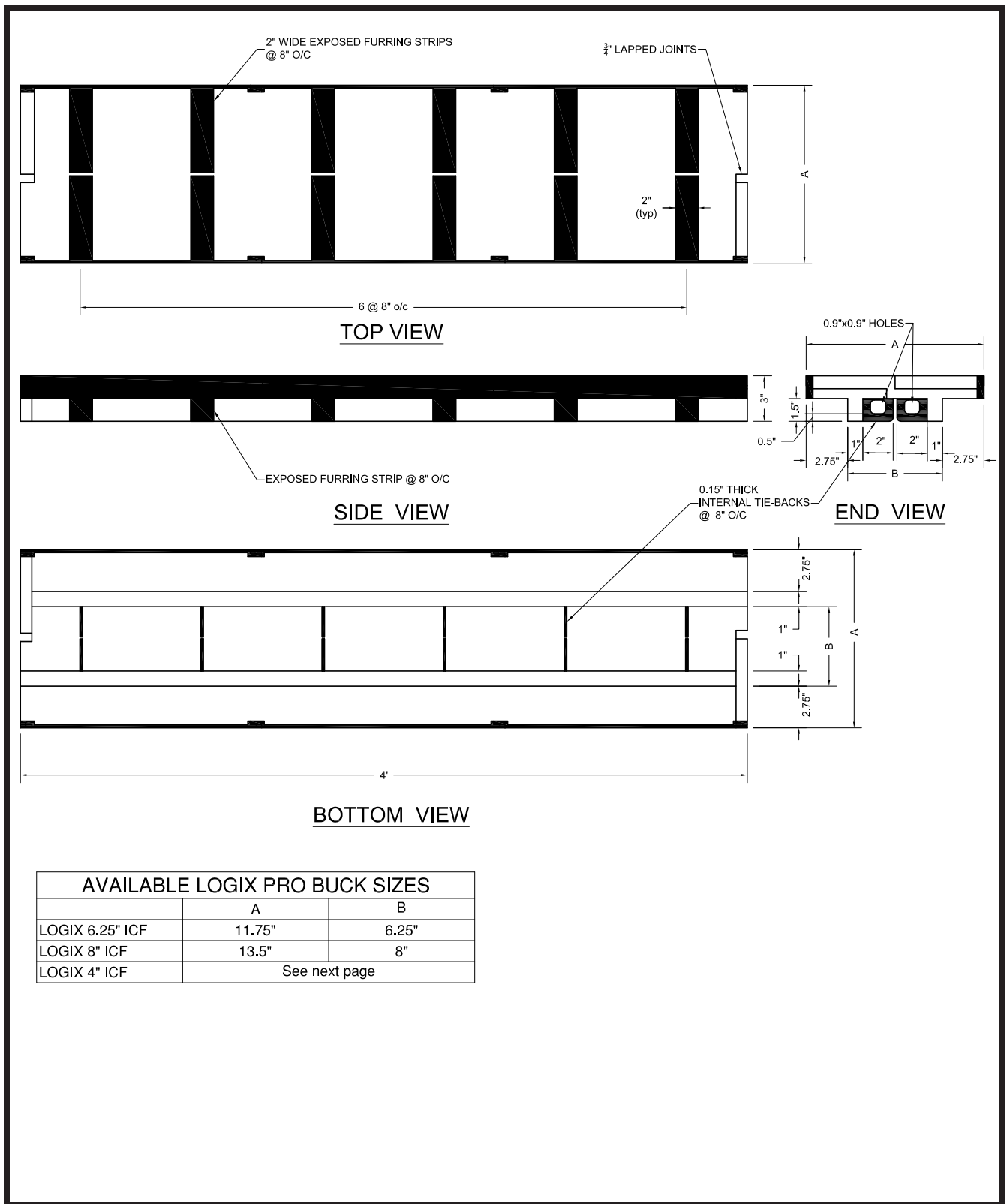
To determine the fastener type and spacing for load rated windows and doors, withdrawal and lateral resistance of specific fasteners are provided below.

	Allowable Withdrawal ¹	Allowable Lateral ¹
#6 wood screw, min 1" long	30 lb	72 lb
#8 wood screw, min 1.25" long	38 lb	188 lb
#10 wood screw, min 1" long	34 lb	90 lb

1. Fastener data based on independent testing conducted by QAI Laboratories, in accordance with ASTM D1761, and ASTM E2634.

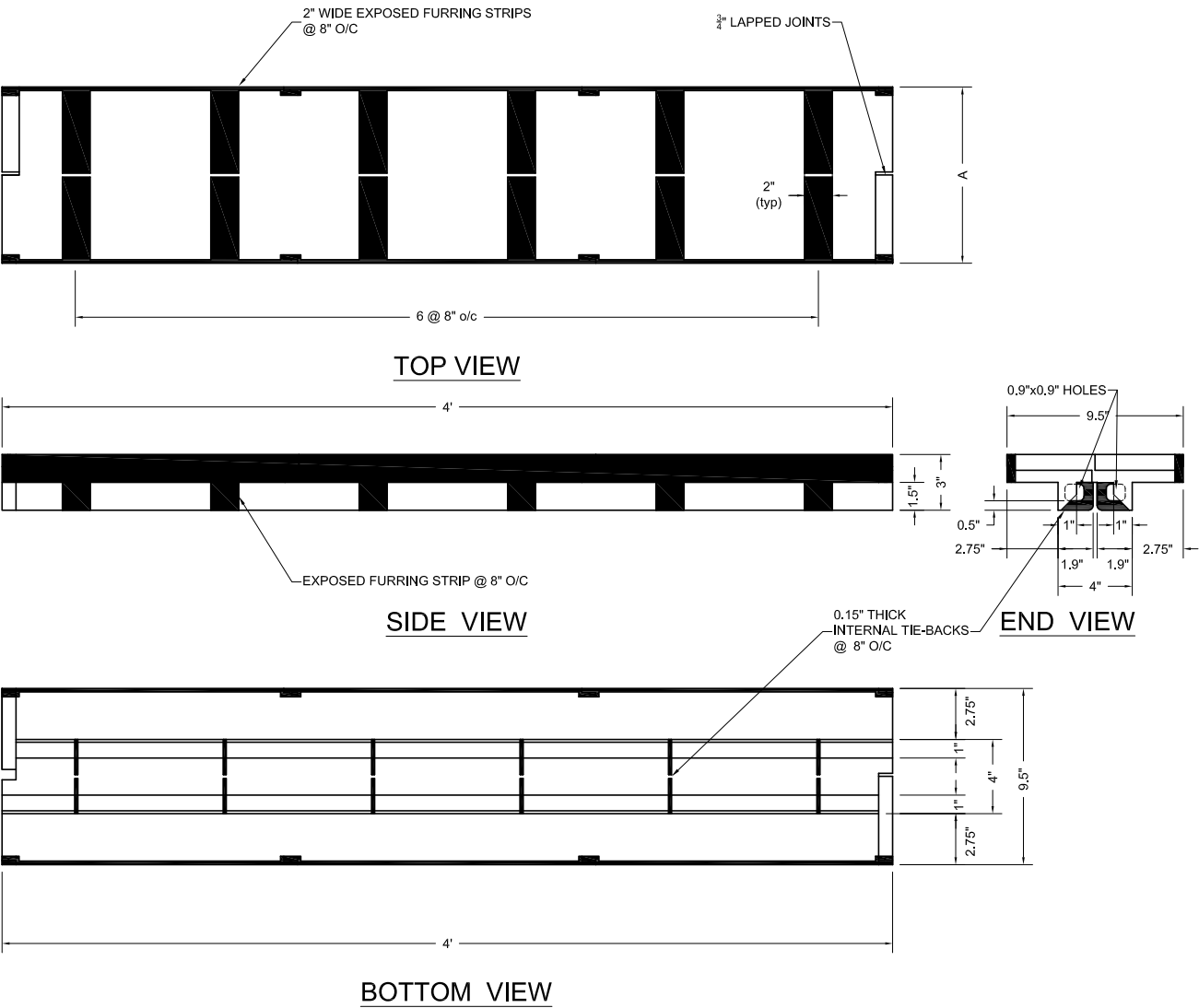
8.0 – LOGIX PRO BUCK CAD DRAWING

8.1 – 6.25" & 8" PRO BUCK



AVAILABLE LOGIX PRO BUCK SIZES		
	A	B
LOGIX 6.25" ICF	11.75"	6.25"
LOGIX 8" ICF	13.5"	8"
LOGIX 4" ICF	See next page	

8.0 – LOGIX PRO BUCK CAD DRAWING CONT'D
8.2 – 4" PRO BUCK



NOTES:

1. Pro Buck is available in sizes designed for 4", 6.25" and 8" Logix. See previous page for Pro Buck product drawings for 6.25" and 8" Logix.