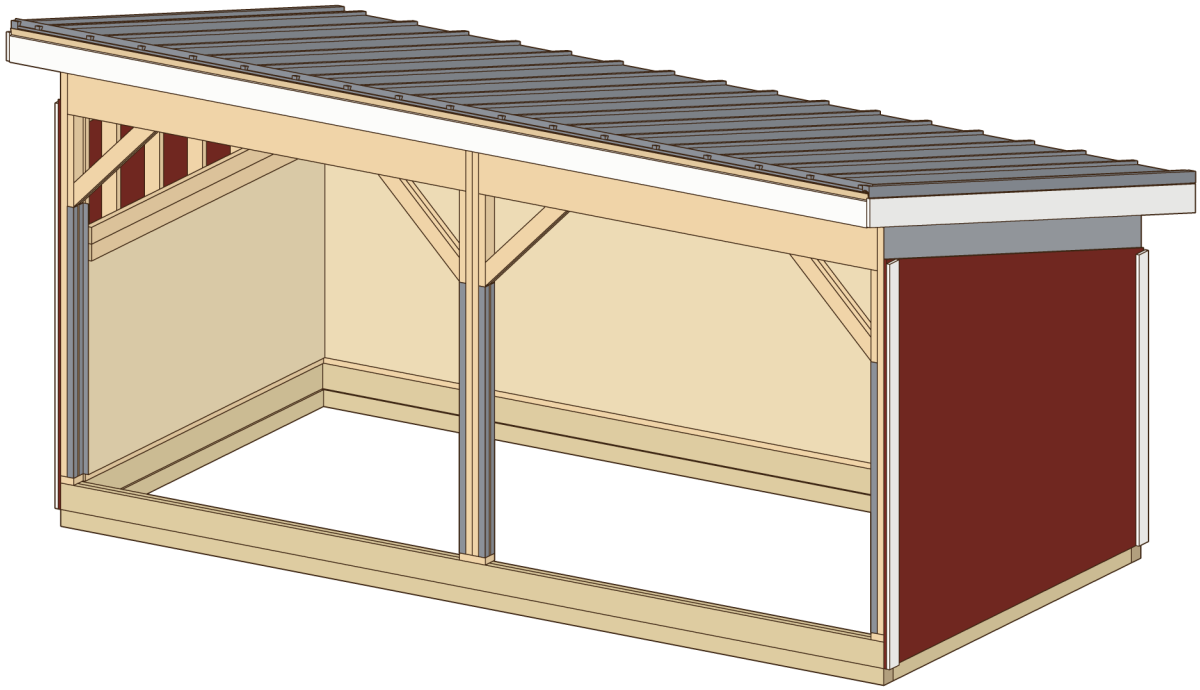
8X16

GOAT RUN-IN SHELTER PLAN

FREE STREAMLINED VERSION



Step overview · Framing previews · 3D views

Get the full plan: material list, cut list and every measurement > www.3dshedplans.com/8x16-goat-run-in-shelter-plan/

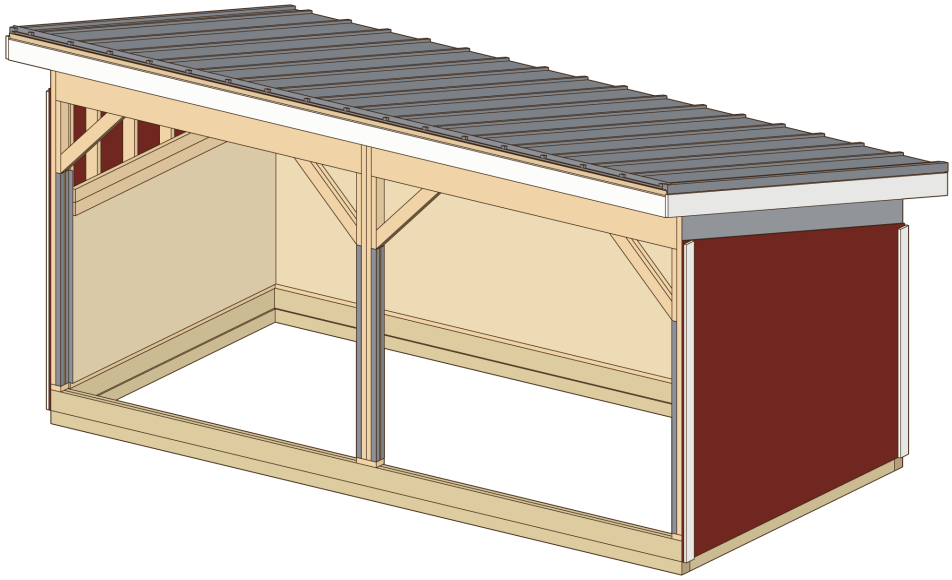
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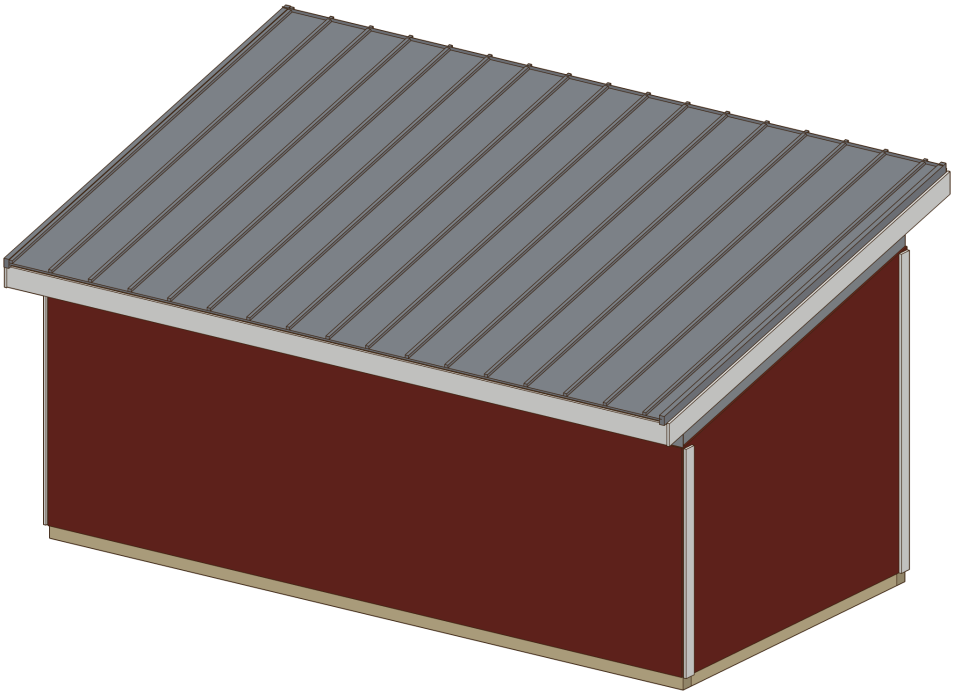
Before you start

Shed rules (size limits, height, setbacks, permits) vary by town and HOA. Check your local permit office before you build.

Safety: wear eye and ear protection, keep blades sharp and guards on, work from a stable step ladder, and stay off open rafters.

This free version walks through the five stages of the 8x16 goat run-in shelter plan with views from the full plan. Below: the finished shelter from the front and from the back.

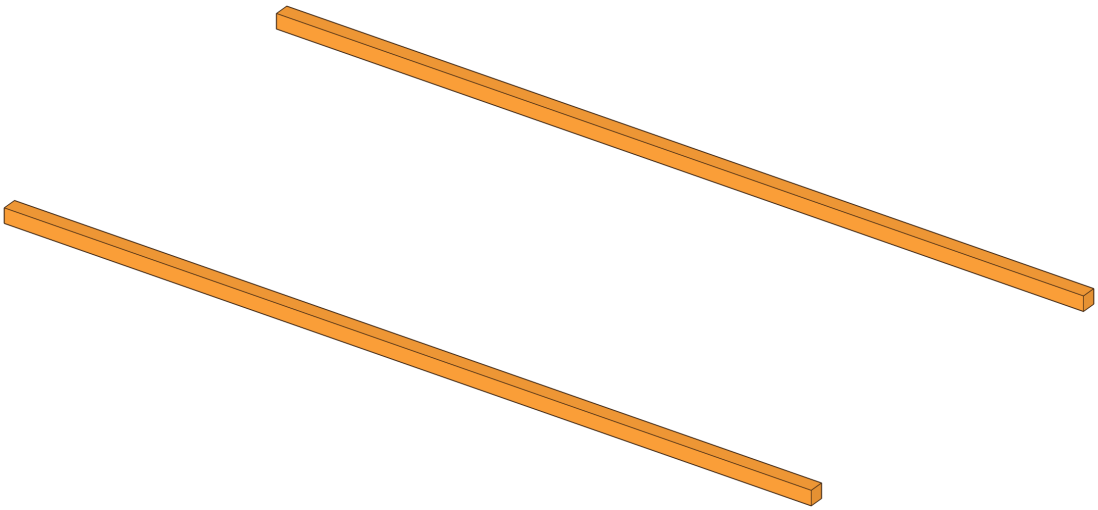




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1 SITE AND FOUNDATION

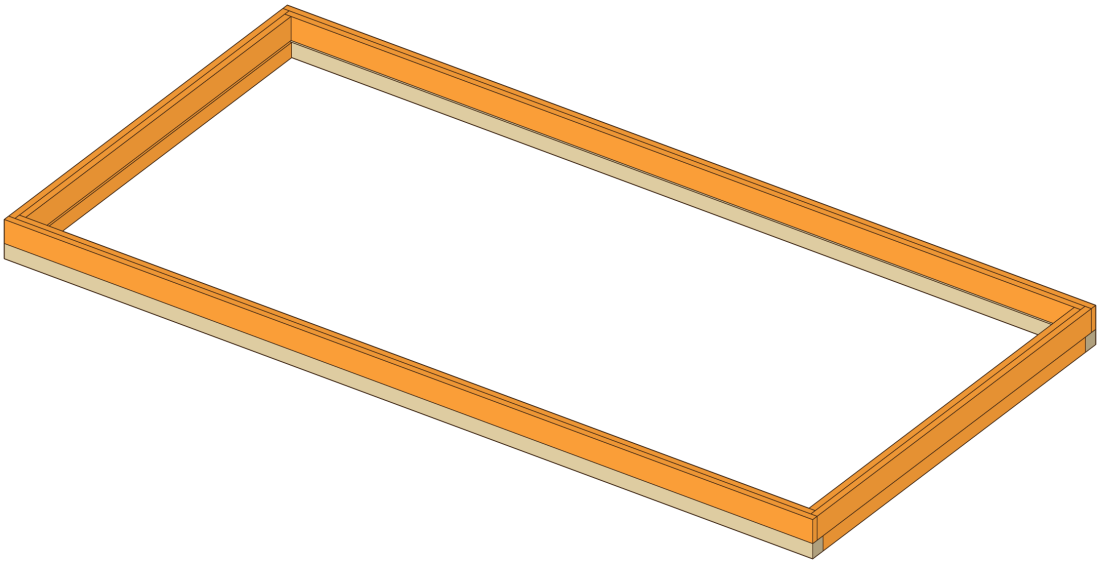
Clear and level the site, lay a compacted gravel pad inside a pressure-treated 4x6 frame and set the pressure-treated 4x4 skids level in both directions.



2 BASE BOX

Stand pressure-treated 2x6 rims on the skids and close the ends with two end joists on pressure-treated 4x4 end sills: a 9 in high box with no floor, closed to the pad all round, doubled inside with a second 2x6 all round, so every wall plate lies on 3 in of wood. Square it, tie the inner corners with framing angles, drill two tow holes through each skid at one end and strap it to four earth anchors. The bedding goes straight on the pad inside.

In the full plan: the site layout with its diagonals, the skid and box cuts, the tow holes and the anchor straps. www.3dshedplans.com/8x16-goat-run-in-shelter-plan/

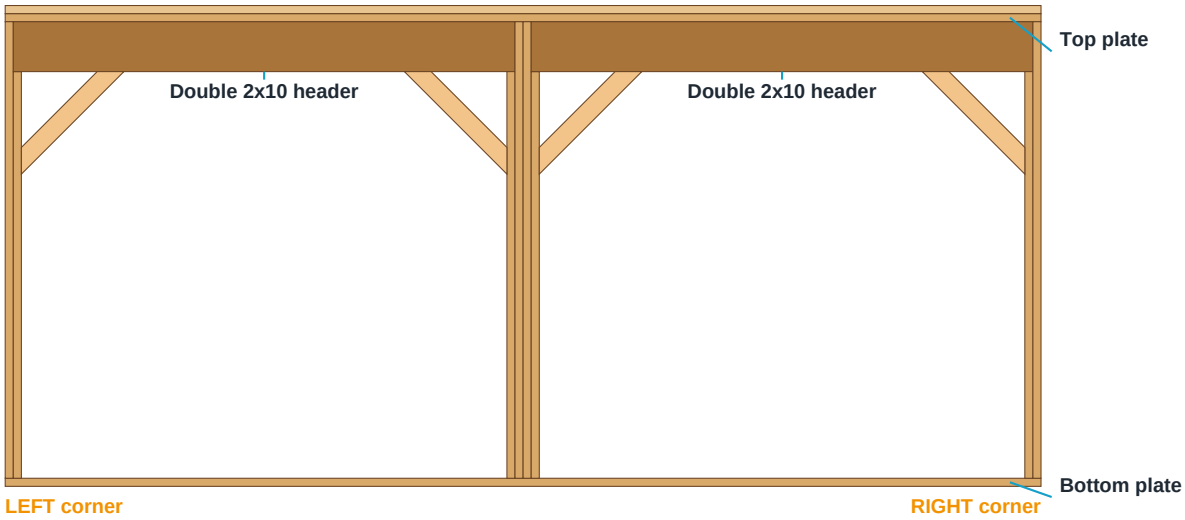


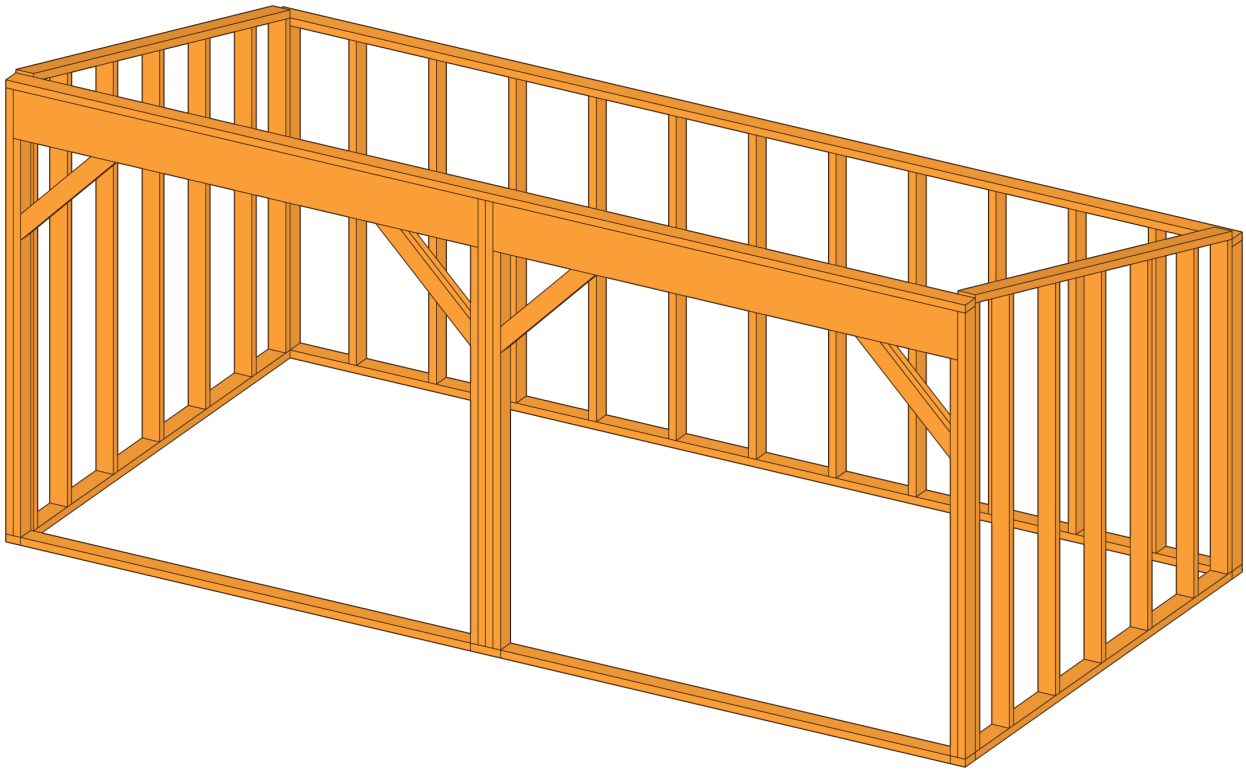
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3 WALLS

Frame the open front bay by bay: end posts, a middle post, a doubled header over each bay and 45 degree knee braces. Frame the back and side walls with 2x4 studs. Square each one, raise it, brace it plumb, and tie the corners together.

In the full plan: every wall drawn stud by stud with a position table, each bay's header, the middle post and knee braces, and how two people lift the back wall onto the box. www.3dshedplans.com/8x16-goat-run-in-shelter-plan/





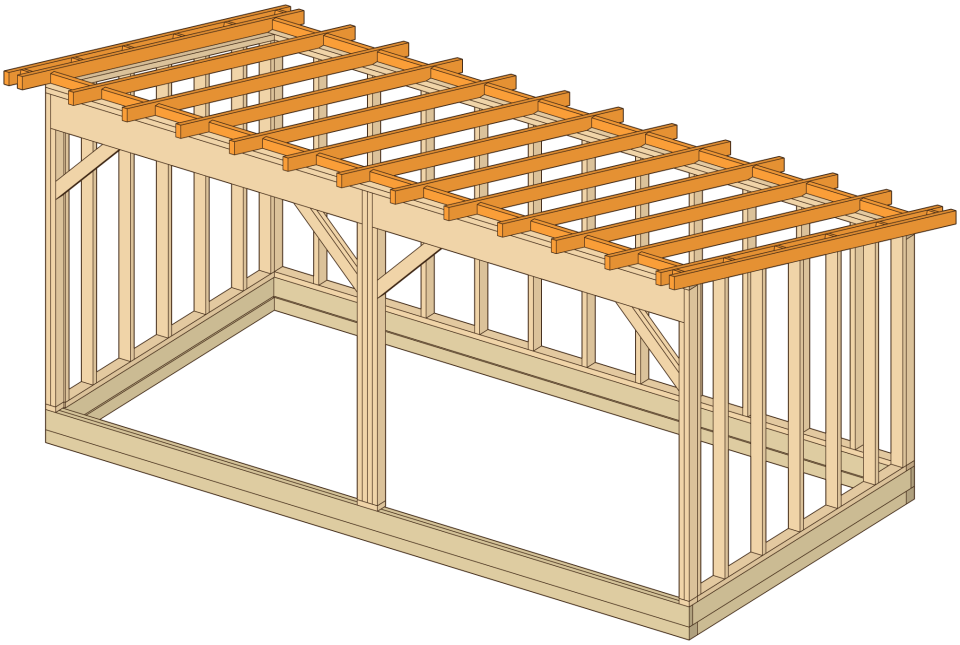
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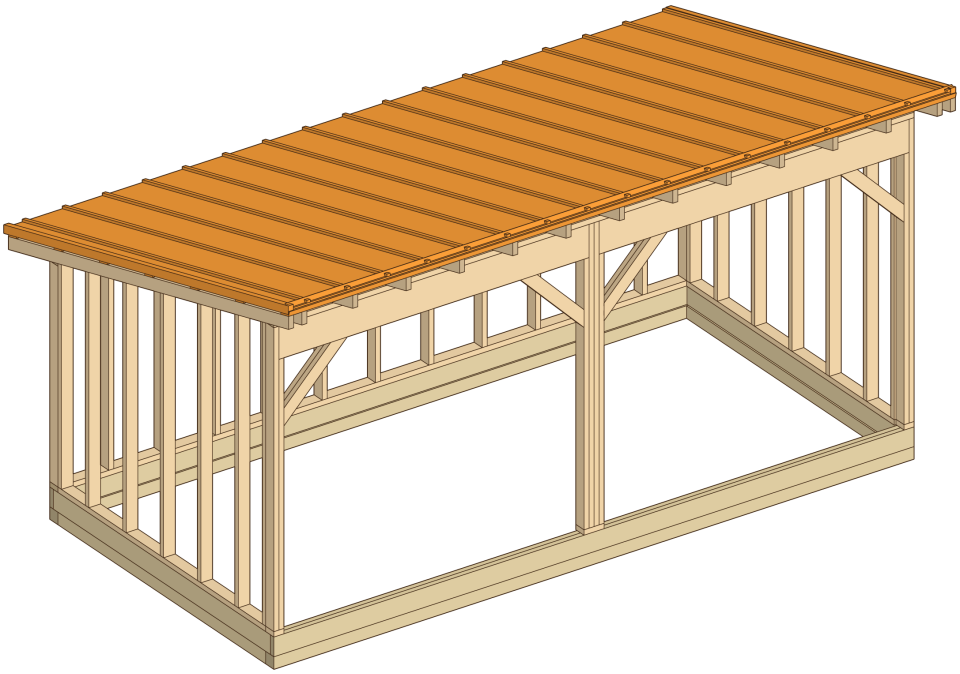
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4 ROOF

The roof is a single slope from the tall open front down to the closed back. Cut a pattern rafter with a birdsmouth over each wall, set the rafters 16 in on center with a hurricane tie on each middle rafter, then screw 2x4 purlins flat across them no more than 24 in apart and roof it with ribbed metal panels on foam closures.

In the full plan: the pattern rafter with every cut, the rafter layout, the purlin marks and the panel count, length and screw pattern. www.3dshedplans.com/8x16-goat-run-in-shelter-plan/



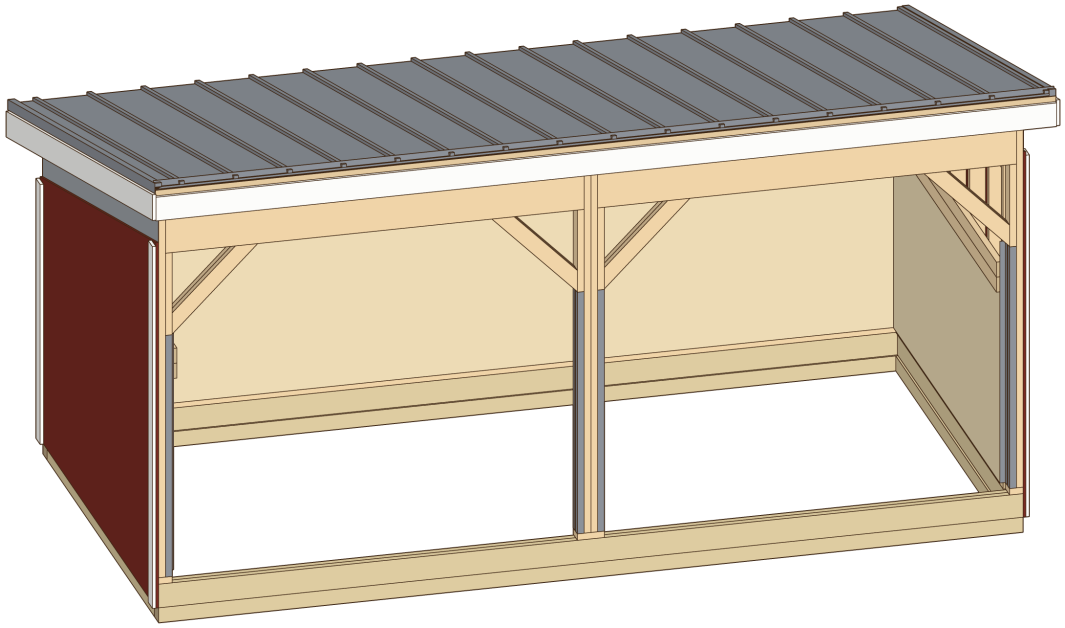


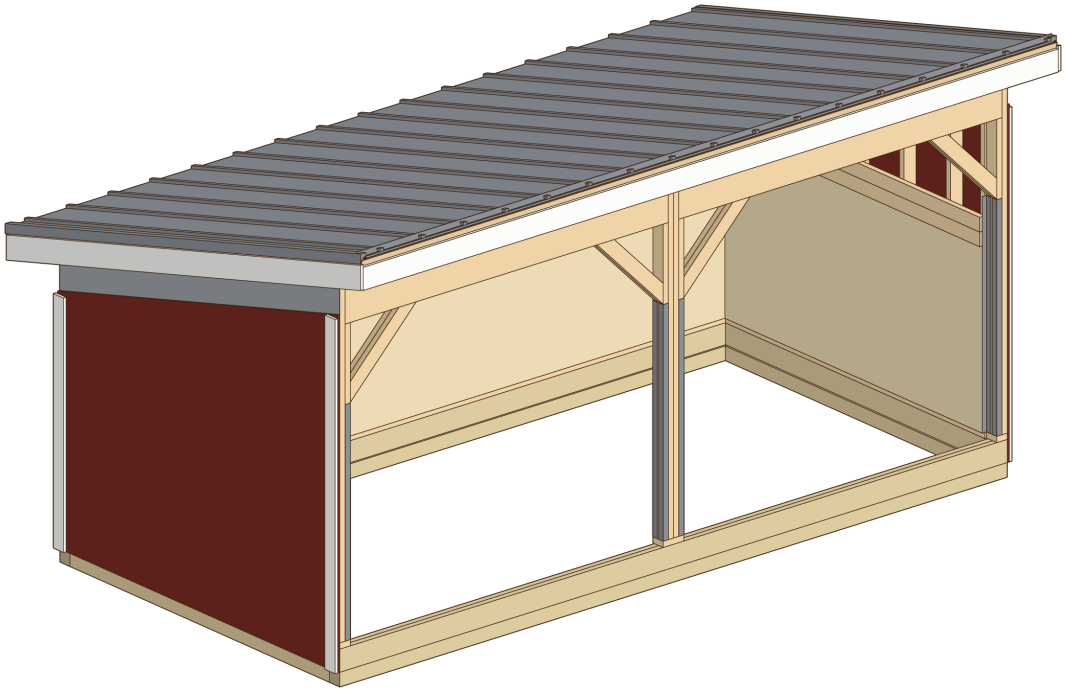
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5 SIDING, LINER AND VENT

Side the back and side walls with T1-11, line them inside with 48 in of untreated plywood that stands up to goats chewing and butting, guard the posts with steel, and cover the 8 in vent gap under the roof with hardware cloth. Then seal the framing and spread the bedding.

In the full plan: the siding cut heights, the liner and rail cuts, the vent nailers and how many goats it shelters.
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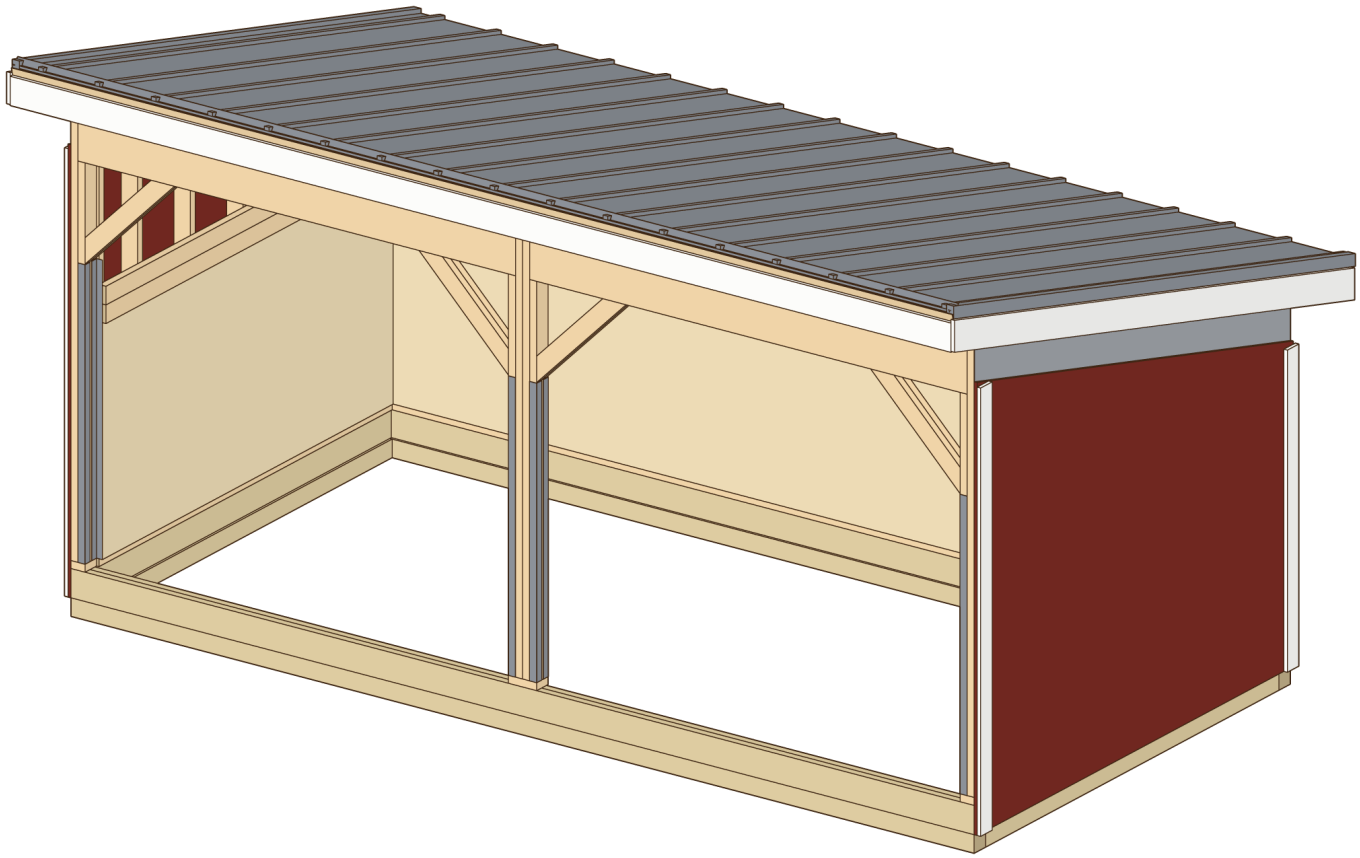


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Ready to build?

The full 8x16 goat run-in shelter plan gives you the shopping list, the cut list, every measurement and dimensioned drawings for the framing steps. Instant PDF download for $14.99: www.3dshedplans.com/8x16-goat-run-in-shelter-plan/

	Free	Full plan
3D views and step overview	Yes	Yes
Material list with quantities	No	Yes
Cut list for every part	No	Yes
Measurements in every step and drawing	No	Yes
Wall framing drawings with openings	Preview	All walls, dimensioned
Rafter pattern with both birdsmouth marks	No	Yes
Base box, liner, vent and metal roof steps	No	Yes
Herd: 5 to 7 goats	Stated	Space per goat, bedding and yard



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