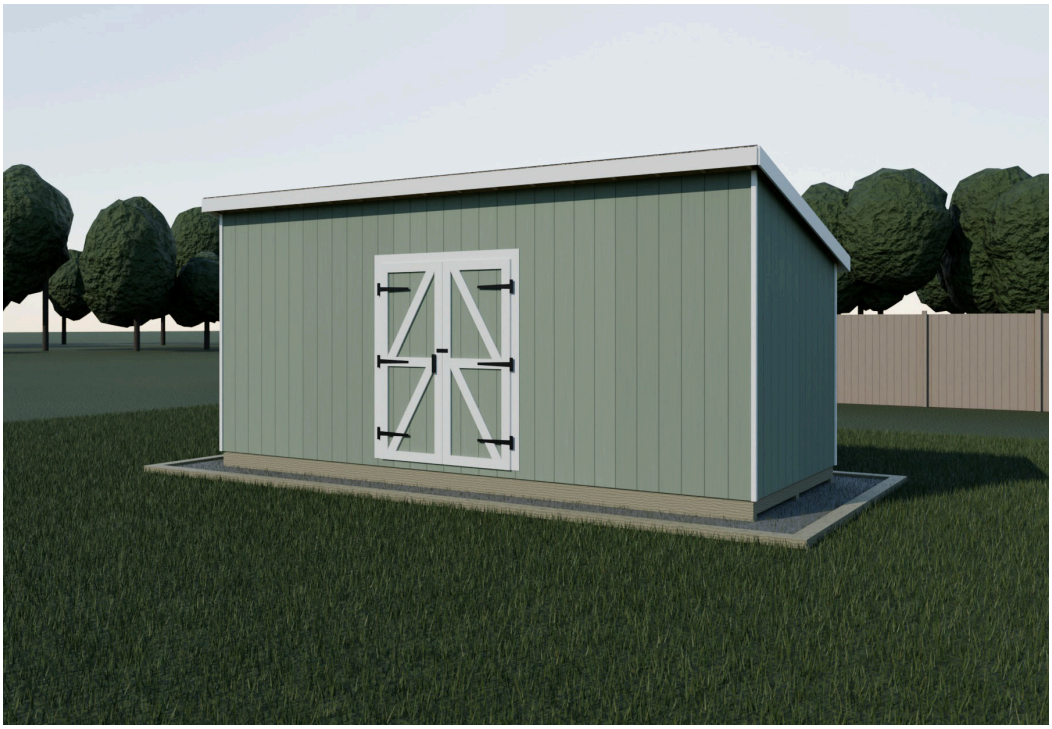
8X20 LEAN-TO SHED PLAN

FREE PREVIEW | Footprint 8 x 20 ft (160 sq ft)



Get the full 8x20 lean-to plan

45 pages: material list, cut list, every measurement and a drawing for each step, from the skids to the shingles. Instant PDF download.

$19.99 one time | 30-day money-back guarantee

Get the full plan

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Look inside the full plan

Real pages from the 45-page 8x20 lean-to plan. The free preview shows the shape of the build; the full plan gives you the numbers to buy and cut once.

FULL PLAN

Front wall

Front wall: item	Qty	Used for
2x4 x 10 ft	17	Front wall stud (17 @ 8' 2 5/8")
2x4 x 14 ft	5	Front wall plate (2 pieces @ 13' 3 1/4"); Front wall plate (2 pieces @ 6' 8 3/4"); Front wall cap plate (1 piece @ 12' 8 1/4"); Front trimmer (2 @ 6' 4 1/2")
2x4 x 8 ft	2	Front wall cap plate (1 piece @ 7' 3 3/4"); Front cripple (4 @ 1' 2 7/8")
2x8 x 12 ft	1	Front header (2x8 doubled + 1/2 ply) (2 @ 5' 3")
Front wall: 1/2 in plywood for the header fillers (sheet 1 of the plywood rip map; keep the rest of it for the soffit strips): sheet 4x8 1/2 plywood	1	Header fillers first (sheet 1 of the plywood rip map), the rest of the sheet for soffit strips
Front header filler: 1/2 plywood strip 2x8 deep, 5' 3" long	-	Not bought separately: rip it from the 1/2 in plywood sheet on this list (sheet 1 of the plywood rip map)

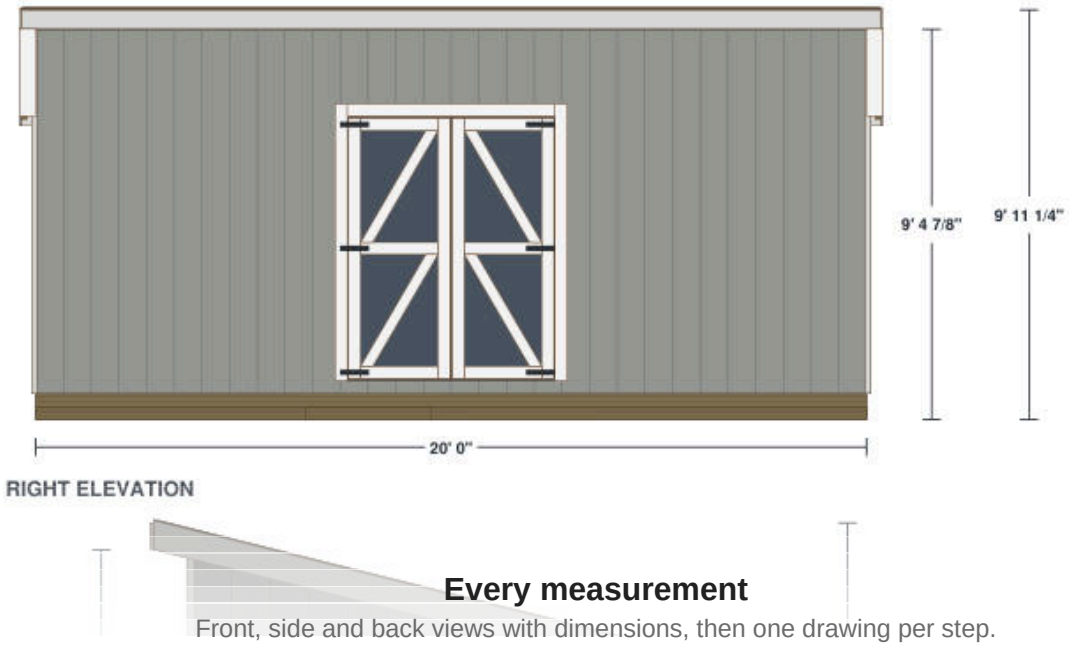
Back wall

Back wall: item	Qty	Used for
2x4 x 10 ft	2	Back wall plate (2 pieces @ 8' 0 3/4")
2x4 x 12 ft	3	Back wall plate (2 pieces @ 11' 11 1/4"); Back trimmer (2 @ 5' 10")
2x4 x 14 ft	11	Back wall cap plate (1 piece @ 13' 4"); Back wall stud (19 @ 6' 3 1/2")
2x4 x 8 ft	3	Back wall cap plate (1 piece @ 6' 8"); Back lower cripple (2 @ 2' 8 1/2"); Back sill (1 @ 3' 0")
2x6 x 8 ft	1	

Material list

Every board, sheet and fastener with quantities. Continues in the full plan.

FULL PLAN



Every measurement

Front, side and back views with dimensions, then one drawing per step.

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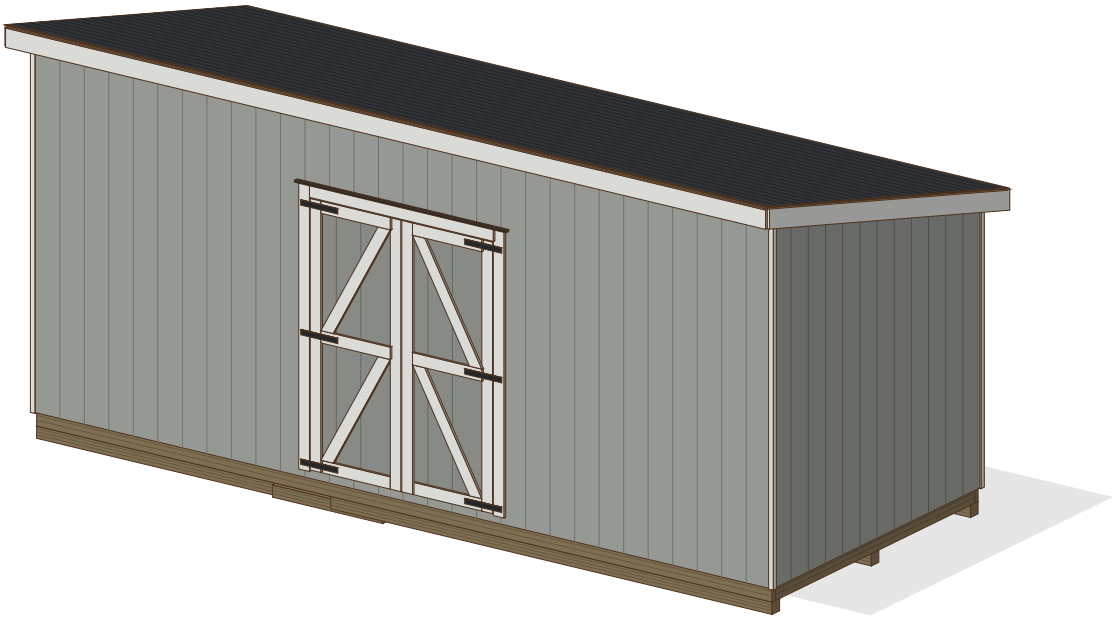
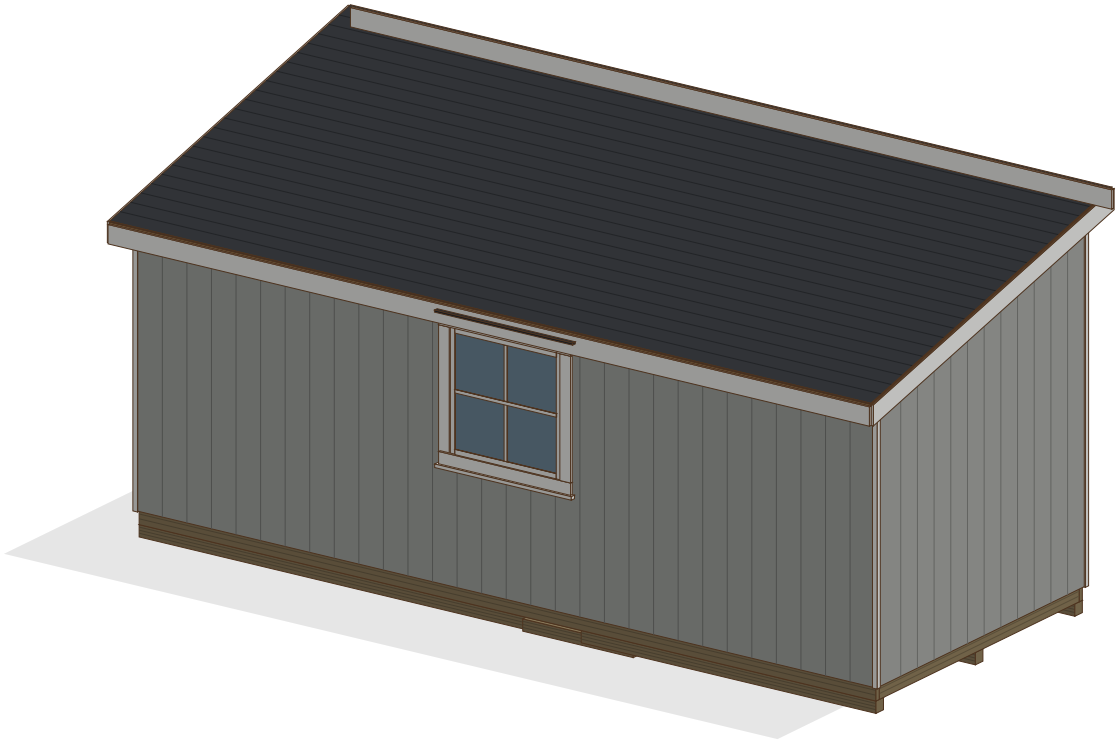
Before you start

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 stable ladders with a helper, and stay off open rafters.

This free version walks through the five stages of the 8x20 lean-to shed plan with views of the same 3D model the full plan is drawn from. Below: the finished shed from the front and from the back.





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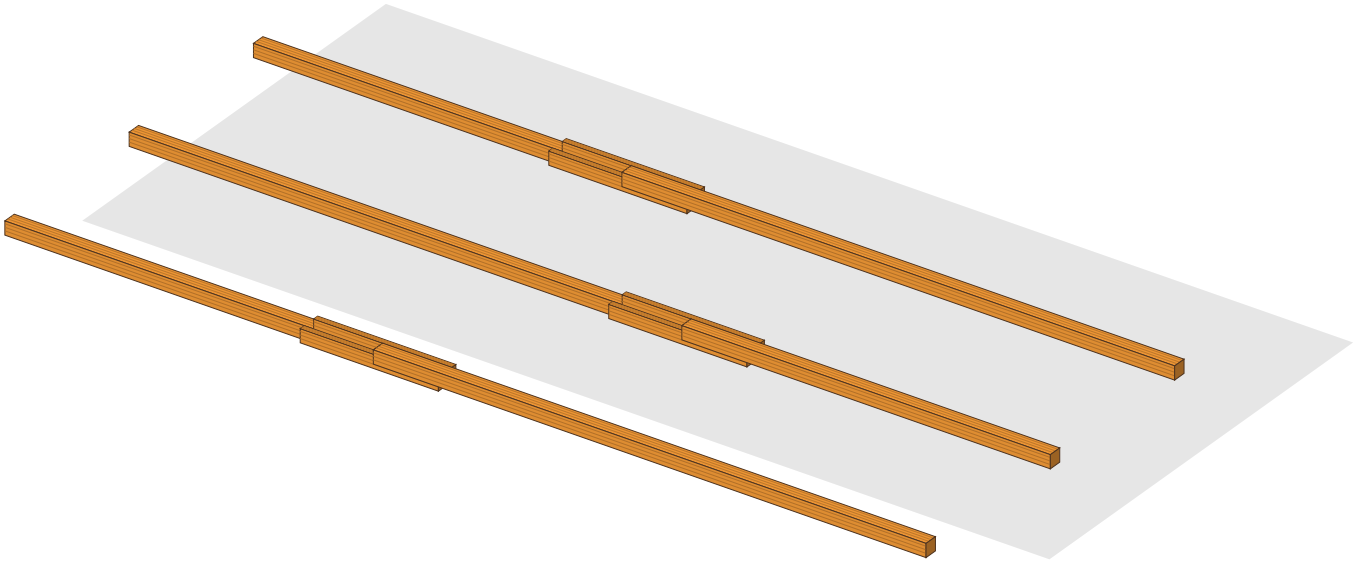
1 SITE AND FOUNDATION

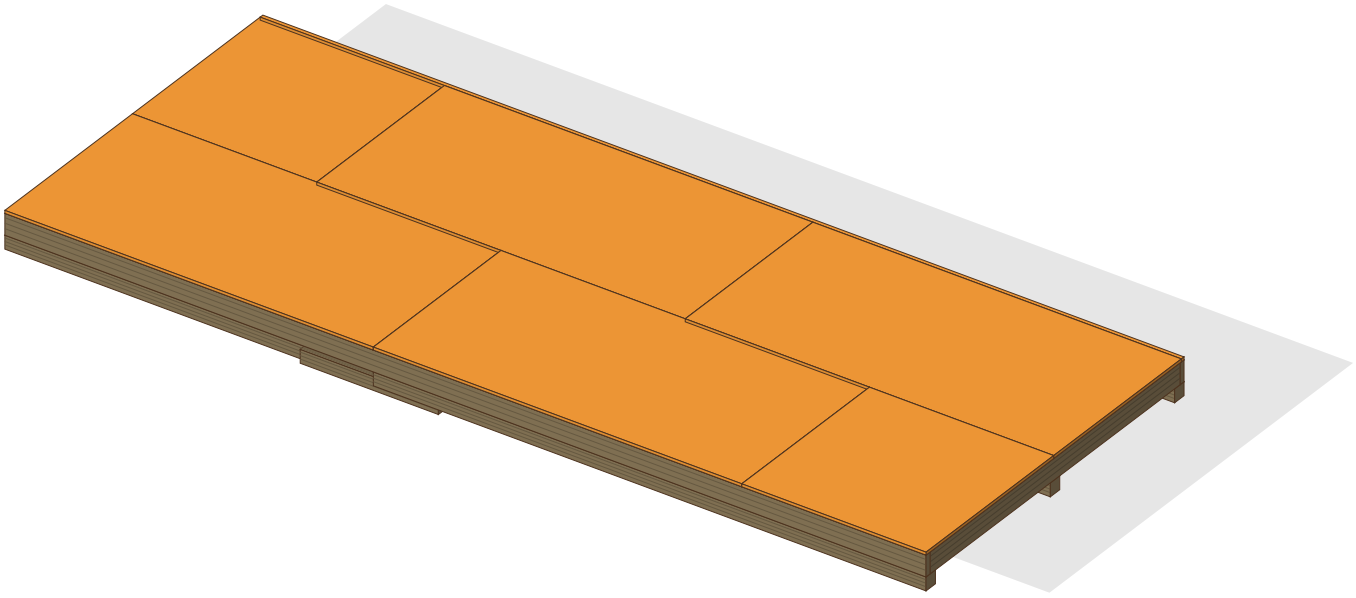
Clear and level the site, lay a compacted gravel pad and set the pressure-treated 4x4 skids level in both directions.



2 FLOOR FRAME AND DECK

Build the floor frame from pressure-treated 2x6 rim joists and joists 16 in on center, square it, fix it to the skids, and glue and screw 3/4 in tongue and groove plywood on top.

In the full plan: the site layout with its diagonals, skid spacing, the joist marks on the rims and a piece map for every decking sheet. www.3dshedplans.com/8x20-lean-to-shed-plan/



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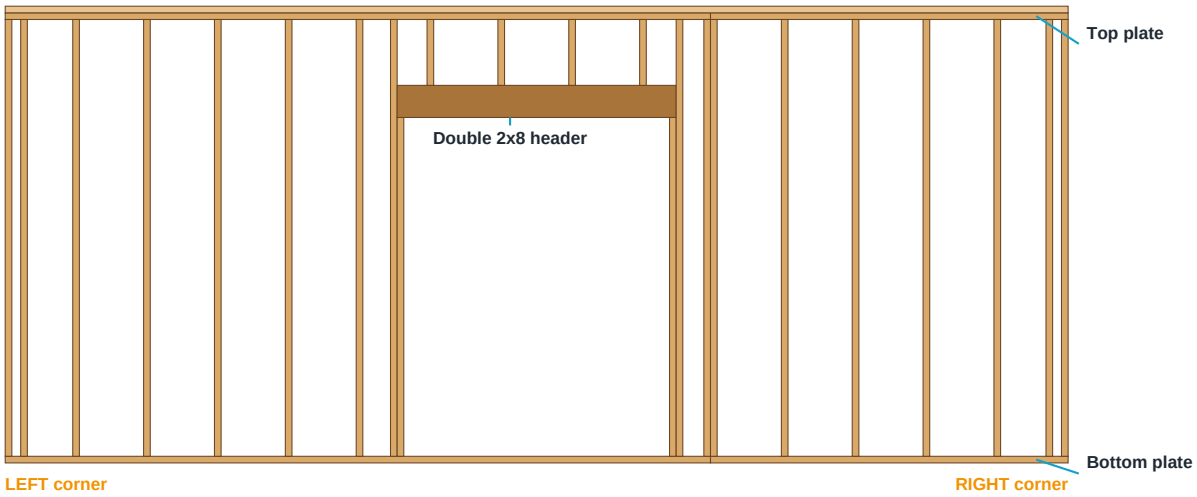
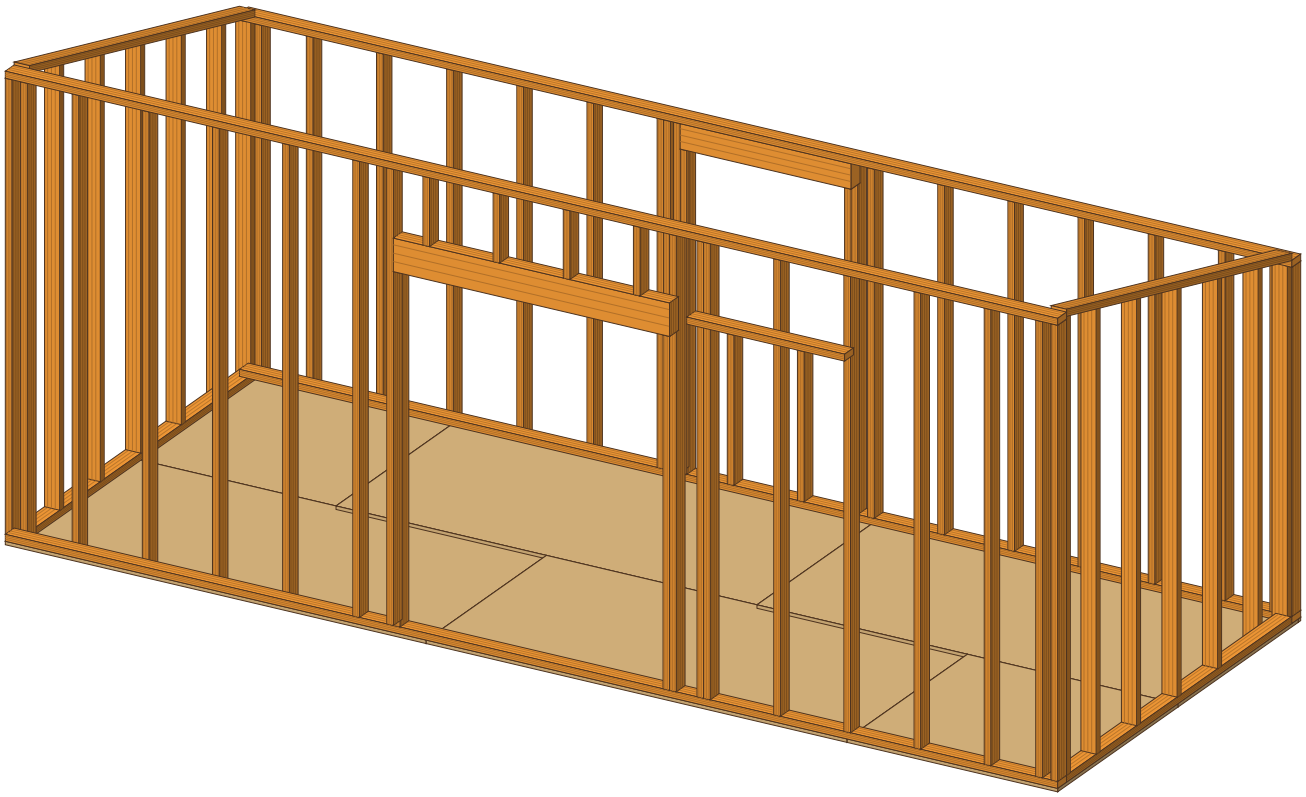
3 WALLS

Frame a tall front wall with the door, a low back wall with the window, and two side walls whose tops follow the roof slope, all with 2x4 studs 16 in on center. Square each one, raise it as a bare frame with a helper (tall front wall first), brace it plumb, and tie the corners together. Then hang the T1-11 siding and build the double door from T1-11 with a 1x4 frame and two Z braces on each leaf, then hang it on T-strap hinges inside a 1x4 casing.

In the full plan: every wall drawn stud by stud with a position table, the headers, the siding sheet layouts, the door leaf with its frame and brace cuts and how to raise each wall safely. www.3dshedplans.com/8x20-lean-to-shed-plan/





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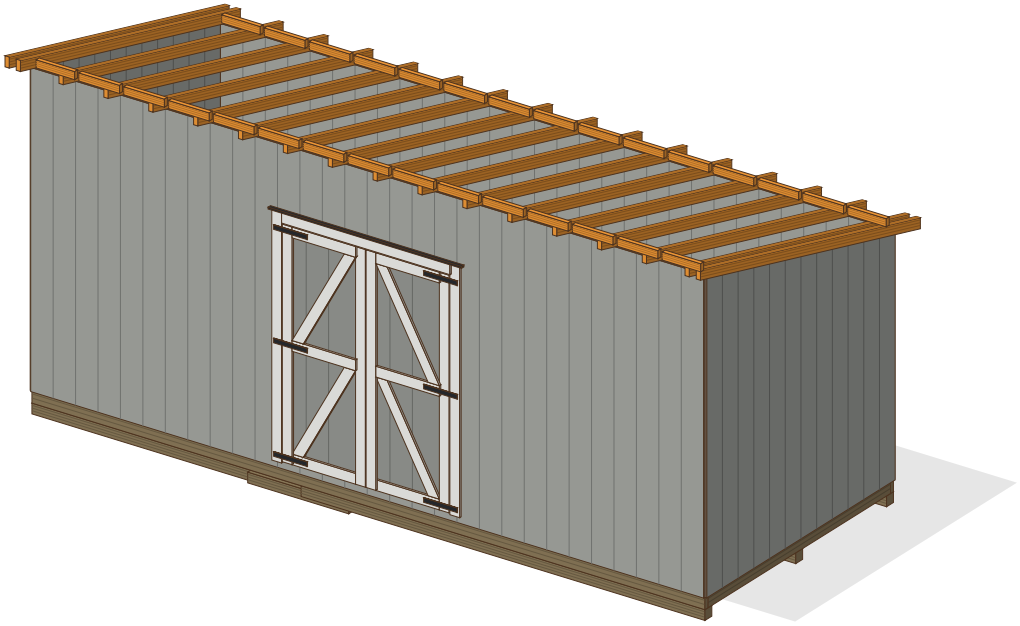
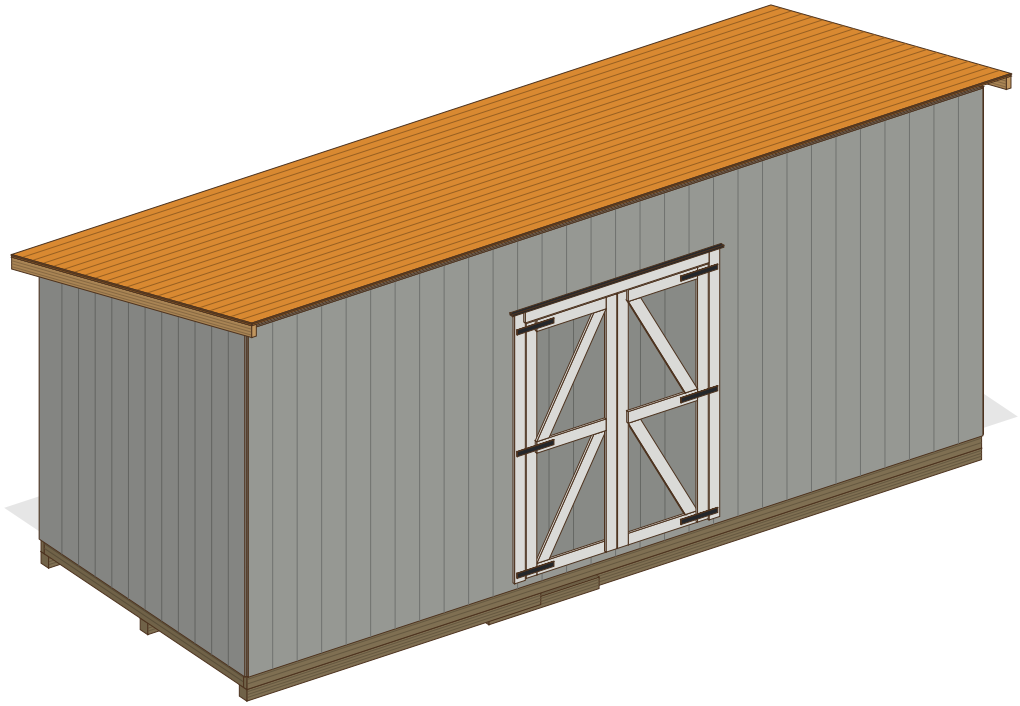
4 ROOF

The roof is a single slope from the tall front wall down to the low back wall. Cut a pattern 2x4 rafter with a birdsmouth over each wall, set the rafters 16 in on center, block between them over the walls, and build the rake overhang on lookout blocks. Then sheath it with OSB and add double felt, drip edge and shingles; the high front edge gets drip edge over the felt.

In the full plan: the pattern rafter with every cut, the rafter layout on the plates, the sheathing map and the shingle courses. www.3dshedplans.com/8x20-lean-to-shed-plan/





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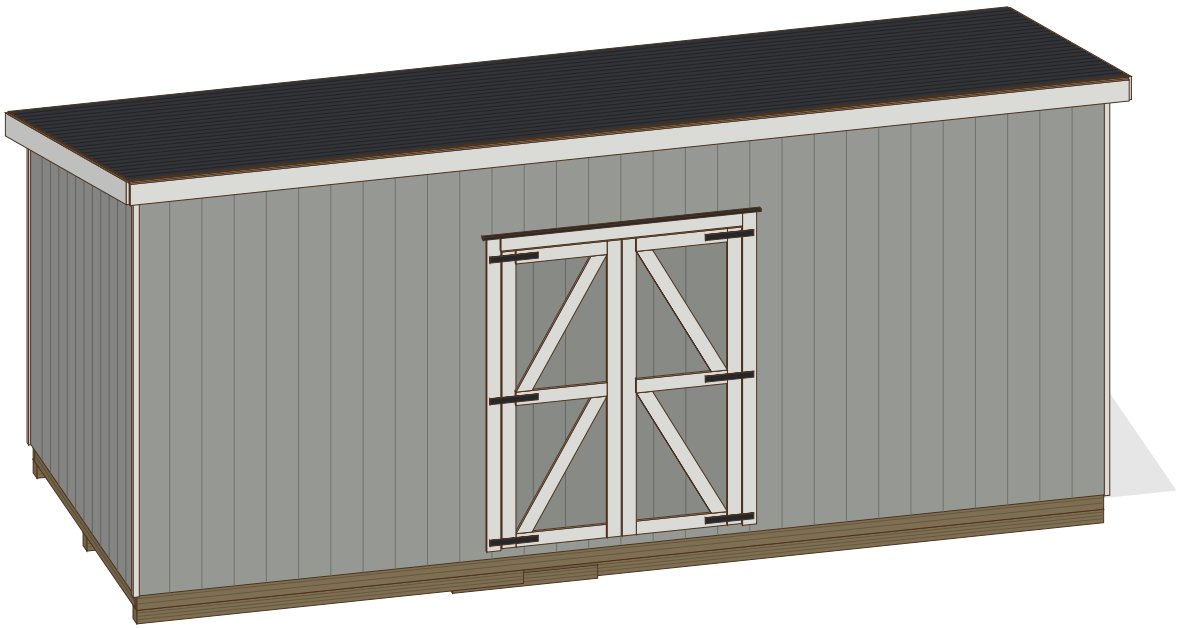
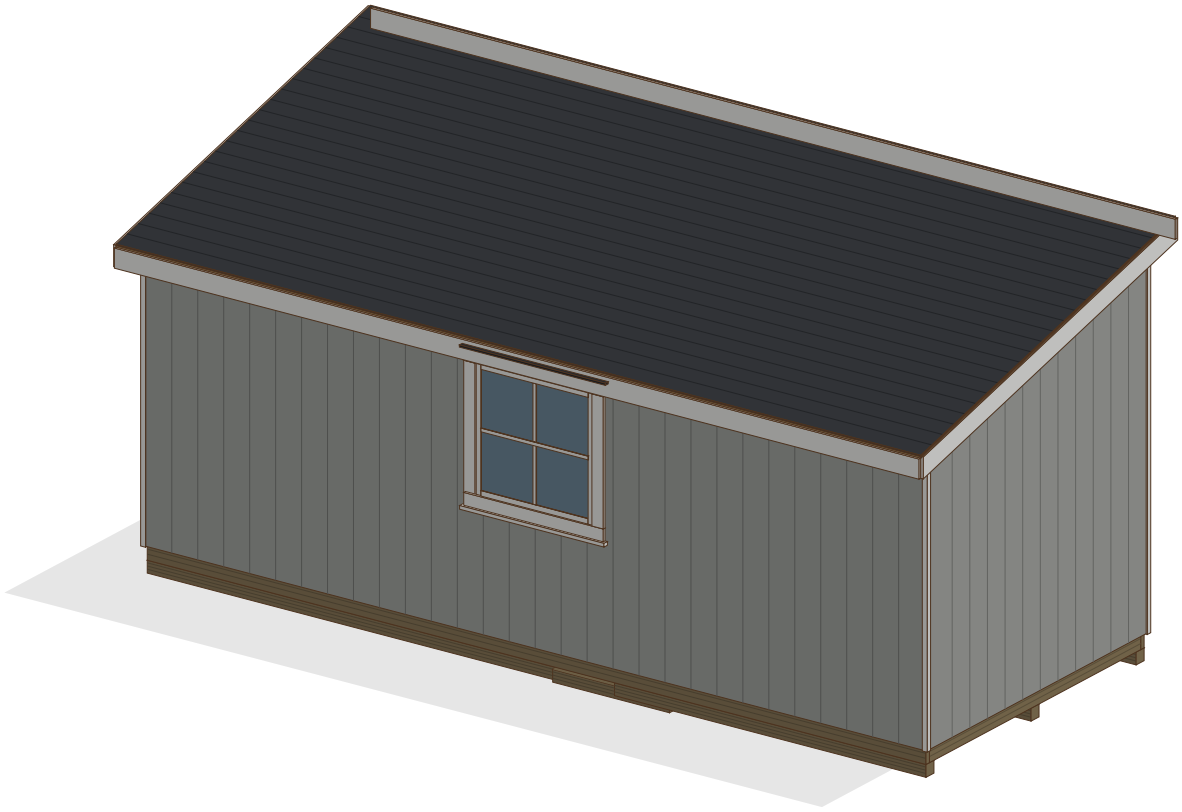
5 TRIM AND PAINT

Add the corner trim, the casing and drip cap around the door (front, top) and the window casing (back wall, below), then prime and paint or stain.

In the full plan: the casing and trim table, the drip caps and the corner trim. www.3dshedplans.com/8x20-lean-to-shed-plan/





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Ready to build your 8x20 lean-to shed?

	Free preview	Full plan
Overview and build stages	Yes	**Yes**
Material list with quantities	No	**Yes**
Cut list for every part	No	**Yes**
Measurements in every step	Overall sizes	**Every part**
Step-by-step drawings	Preview pages	**45 pages**
Pro tips	No	**Yes**
Price	Free	**$19.99**

Save a weekend of guesswork

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