

Shed Plans for  
1900 Highland Drive  
Submitted by  
Geoff & Macee Wilber

## SHED MATERIALS

5 pieces - 4x4 treated boards – 12'

11 pieces - 2x6 boards – 14'

8 pieces - 2x6 boards – 12' (*2 Treated Boards*)

10 pieces - 2x6 *TREATED* boards – 10'

4 pieces - 2x6 boards – 8'

9 pieces - 3/4" plywood – 4'x8'

5 pieces - 2x4 boards – 12'

16 pieces - 2x4 boards – 10'

28 pieces - 2x4 boards – 8'

10 pieces - T1-11 Siding – 4'x8'

2 pieces - T1-11 siding – 4'x10'

14 - Rafter Ties (4 edge ties)

15 - 90 degree Strong Ties (Flooring)

6 - Steel Tie Plates ( Flooring

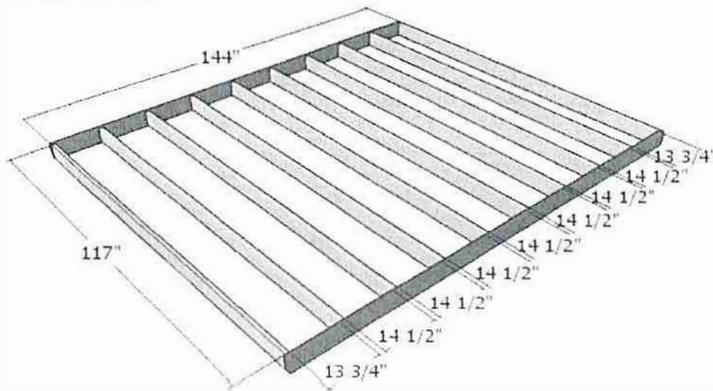
Post Level

Bar Clamps



## STEP 1: Building the shed floor

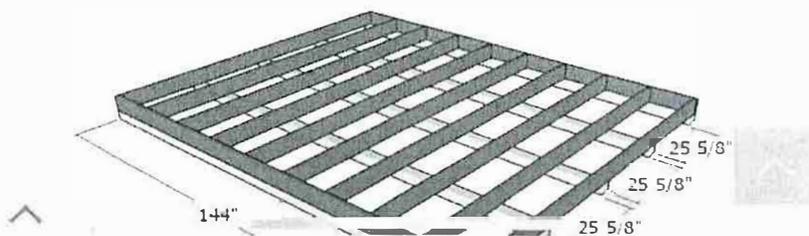
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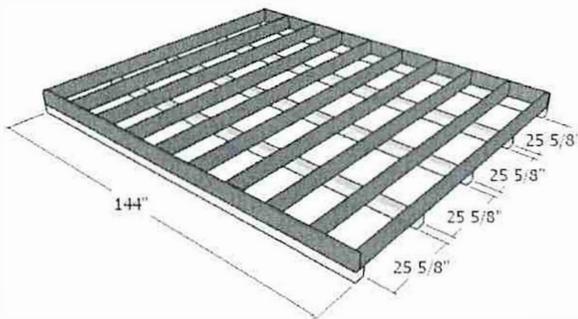


*Building the floor frame*

The first step of the project is to build the floor frame for the lean to shed. As you can see in the diagram, you need to cut the joists from 2x6 lumber. Lay the components on a level surface and align the edges flush. Drill pilot holes and insert 3 1/2" screws to assemble the frame. Make sure the corners are square. Select the location for the lean to shed and remove the vegetation layer. Spread a 2-3" layer of gravel under the shed floor, so you can protect the floor from moisture.

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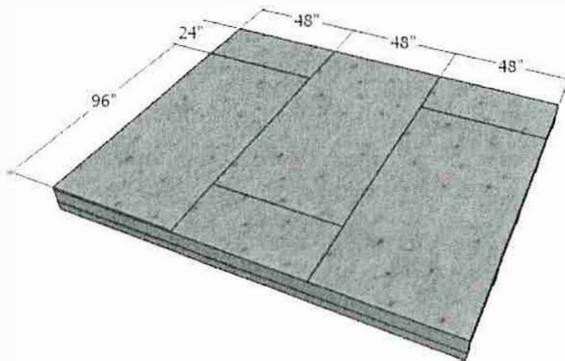


### *Fitting the skids*

Next, lay the 4x4 skids under the floor frame and lock them together with rafter ties. The skids will lift the floor frame from the ground to protect the components from moisture.

You can use 6x6 skids if you want to lift the floor frame more inches. Use pressure treated lumber for the floor frame, as the boards will be exposed to moisture.

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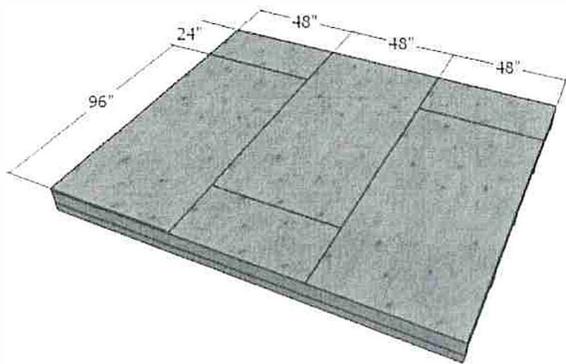
### *Fitting the floor sheets*

^ 3/4" tongue and groove plywood sheets to the floor



inches. Use pressure treated lumber for the floor frame, as the boards will be exposed to moisture.

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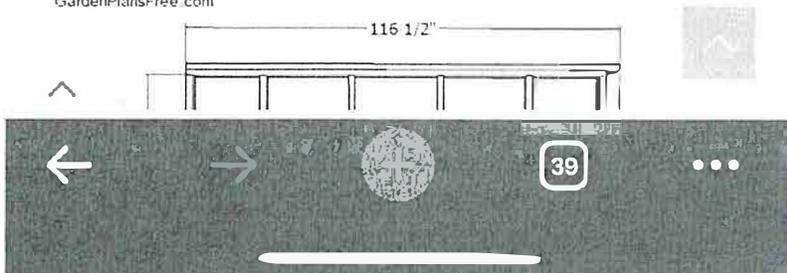


*Fitting the floor sheets*

Fit the 3/4" tongue and groove plywood sheets to the floor frame and align the edges flush. Leave no gaps between the sheets and secure them into place, every 8" along the joists, using 1 5/8 screws. Invest in pressure treated plywood.

## STEP 2: Building the shed frame

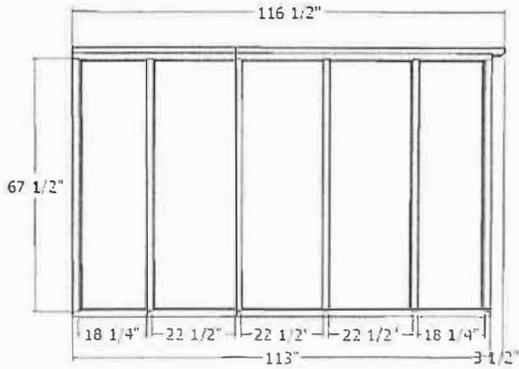
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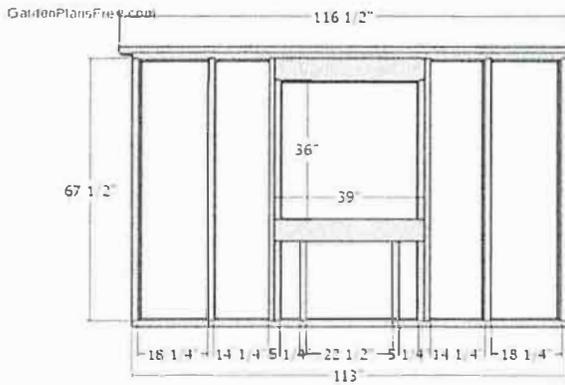
## STEP 2: Building the shed frame

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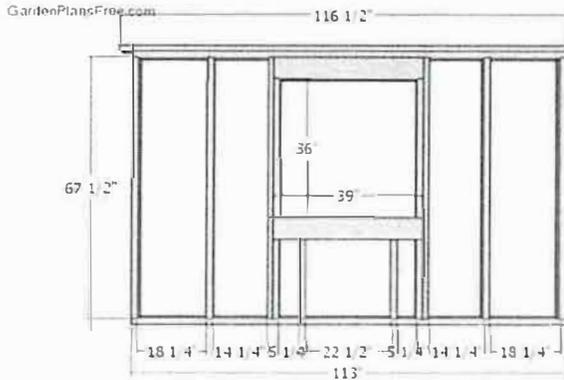
*Side wall frame*

The next step of the project is to build the plain side wall frame. Cut the components at the right dimensions and drill pilot holes through the plates. Insert 3 1/2" screws to lock the plates to the studs. Make sure the corners are square.



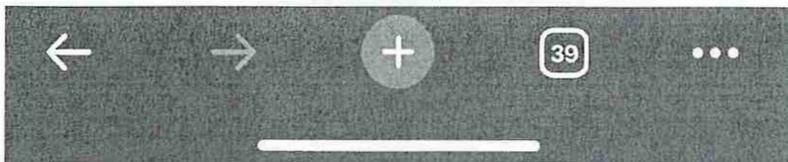
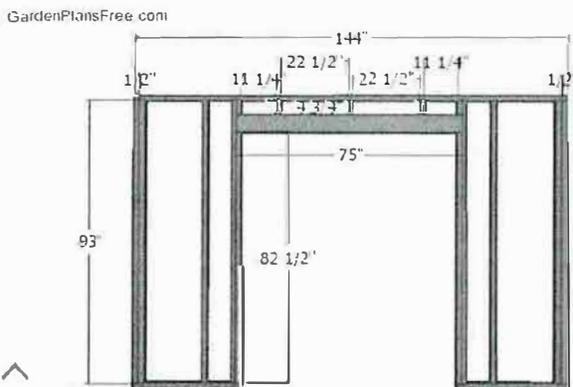
*Side-wall-with-window*





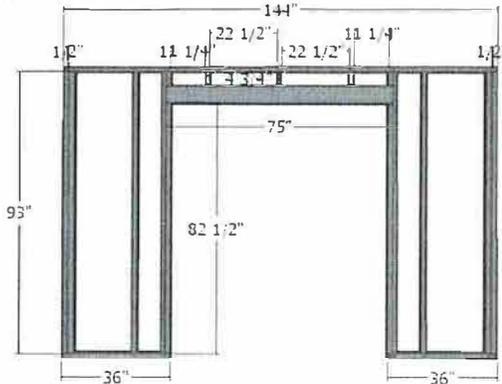
*Sides wall with window*

Use 2x4 lumber for the other side wall. Frame a 3'x3' window so you can have enough light inside the shed. If you want just storage space, you can skip this step and build this wall identical with the opposite one. Notice the double 2x6 header and the jack studs.





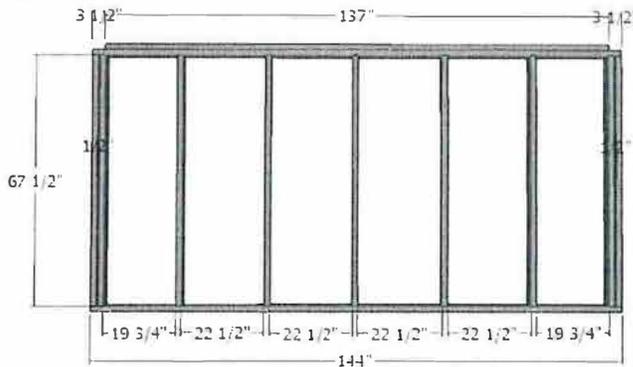
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Front wall frame

Frame the front wall for the 10×12 shed using 2x4s. Place the studs every 24" on center and frame a 6' opening for double doors. Use 2×6 lumber for the double header. Drill pilot holes through the plates and insert 3 1/2" screws into the studs.

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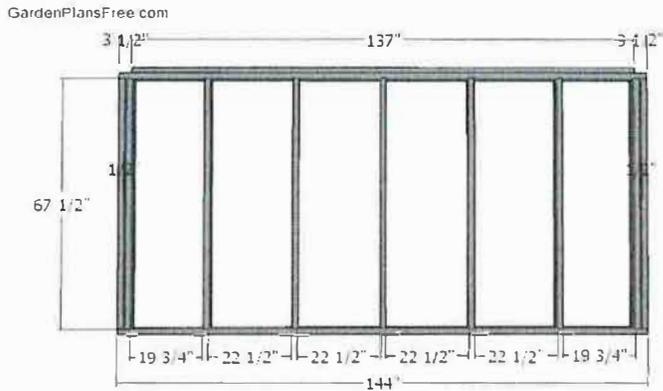


Back wall frame

Build the back wall for the lean to shed, using the same



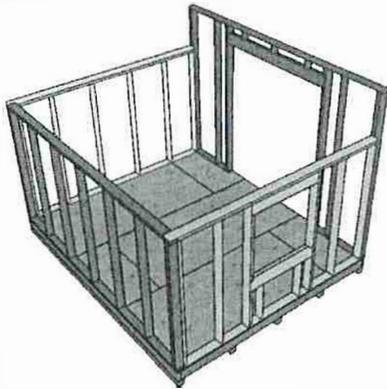
was described above



*Back wall frame*

Build the back wall for the lean to shed, using the same techniques described above.

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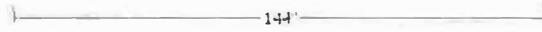


*Assembling the frame of the shed*

Fit the wall frames to the floor and plumb them with a spirit level. Drill pilot holes through the bottom plates and insert 3 1/2" screws into the floor. Lock the adjacent walls together



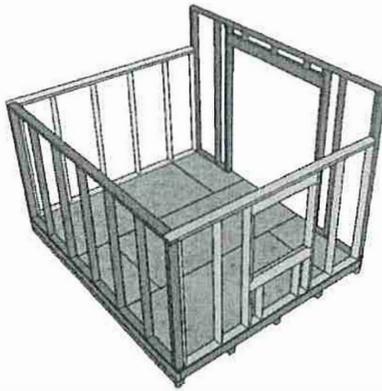
1/2" screws. Make sure the corners are square.



*Back wall frame*

Build the back wall for the lean to shed, using the same techniques described above.

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*Assembling the frame of the shed*

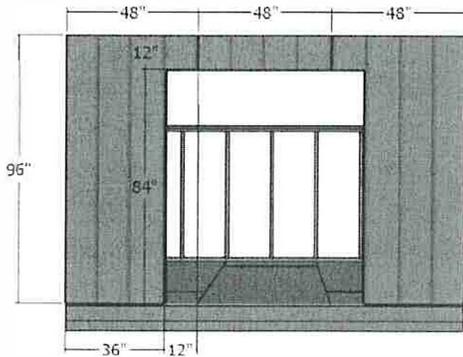
Fit the wall frames to the floor and plumb them with a spirit level. Drill pilot holes through the bottom plates and insert 3 1/2" screws into the floor. Lock the adjacent walls together with 3 1/2" screws. Make sure the corners are square.





### STEP 3: Attaching the shed siding

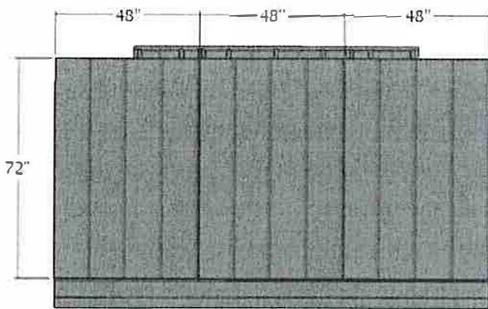
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*Front wall siding sheets*

Attach the 5/8" T1-11 siding sheets to the front of the storage shed. Cut the sheets as shown in the plans and then secure them to the frame with 6d nails, every 8" along the framing. Leave no gaps between the sheets and align them flush with the framing.

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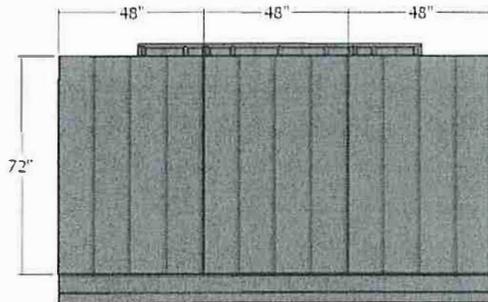
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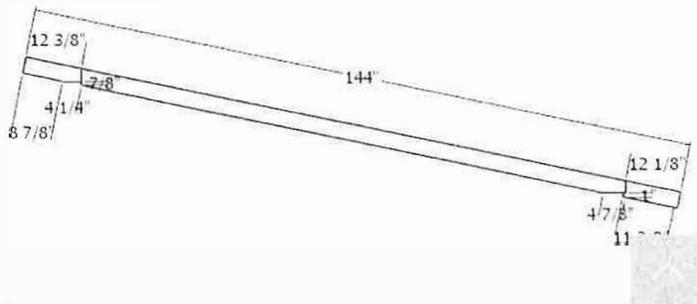


### *Back wall siding sheets*

Attach the T1-11 siding sheets to the back of the shed frame. Align the edges flush and insert 6d nails to secure the sheets, every 8" along the framing. Leave no gaps between the sheets for a professional result.

## STEP 4: Building the lean to shed roof

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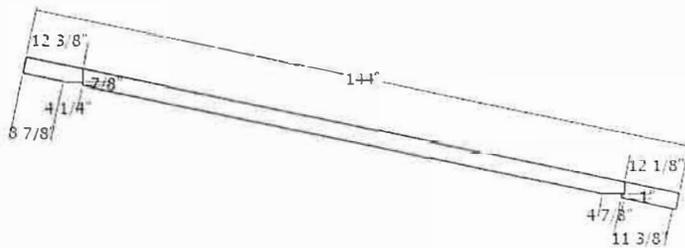
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## STEP 4: Building the lean to shed roof

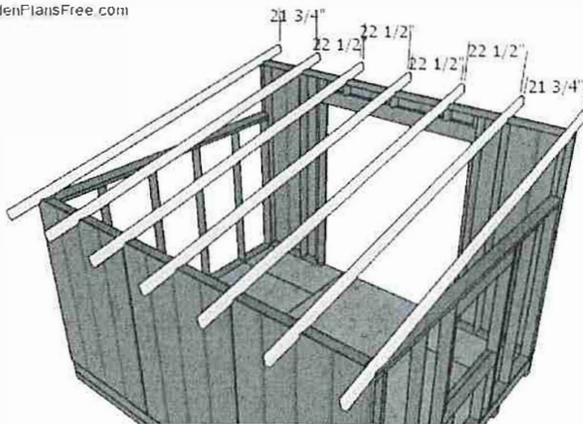
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### *Building the rafters*

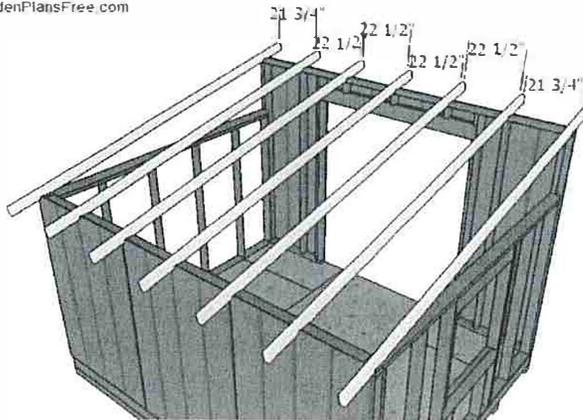
Next, you need to build the rafters from 2x4 lumber. You can use 2x6 beams if you live in an area with heavy precipitations. Mark the cut lines on the beams and then get the job done with circular saw.

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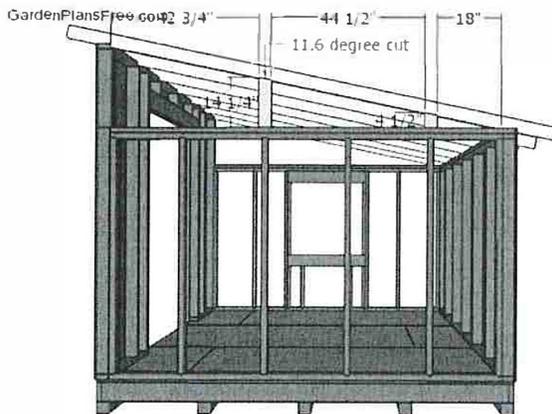


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*Fitting the rafters*

Fit the rafters to the top of the shed and place them every 24" on center. Place the rafters every 16" on center if you live in an area with heavy precipitations. Secure the rafters to the top plates with ties.



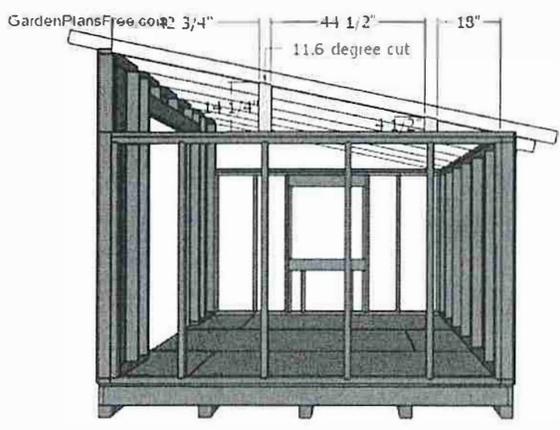
*Side roof supports*

Use 2x4 lumber for the side roof supports. Make the angle



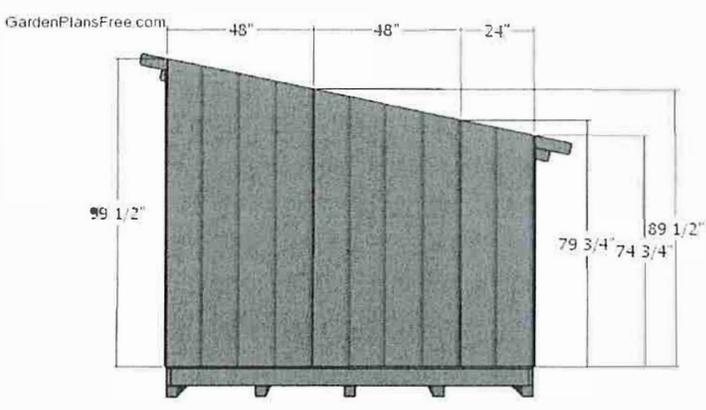
the top of the supports with a miter saw. Fit the





Side roof supports

Use 2x4 lumber for the side roof supports. Make the angle cuts to the top of the supports with a miter saw. Fit the supports to the shed and drill pocket holes at both ends. Insert 2 1/2" screws to secure them into place tightly.



Side siding sheets

Fit the T1-11 siding sheets to the sides of the shed. Align them with attention and insert 6d nails to lock them to the



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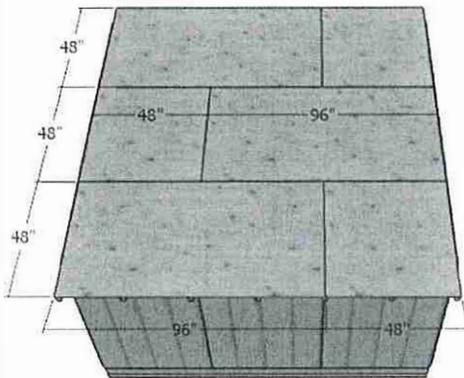
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Fit the T1-11 siding sheets to the sides of the shed. Align the edges with attention and insert 6d nails to lock them to the framing, every 8".

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*Fitting the roof sheets*

Attach the 3/4" plywood sheets to the roof of the shed. Start laying the sheets from the bottom up. Leave no gaps between the sheets and insert 1 5/8" screws, every 8" along the rafters.



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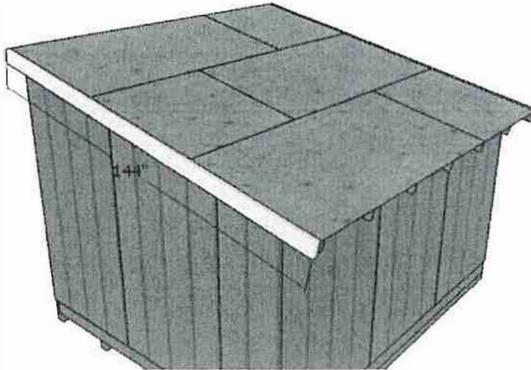
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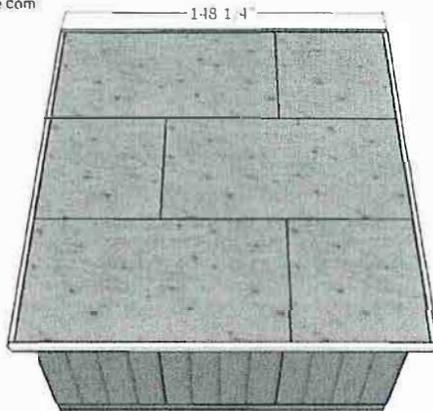
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*Side roof trims*

Fit the 2x6 trims to the sides of the shed. Align the edges with attention and insert 3 1/2" screws to lock them into place tightly.

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*Front and back roof trims*

Fit the 1x6 trims to the front and back roof of the shed. Use 3 1/2" screws to secure the trims into place.



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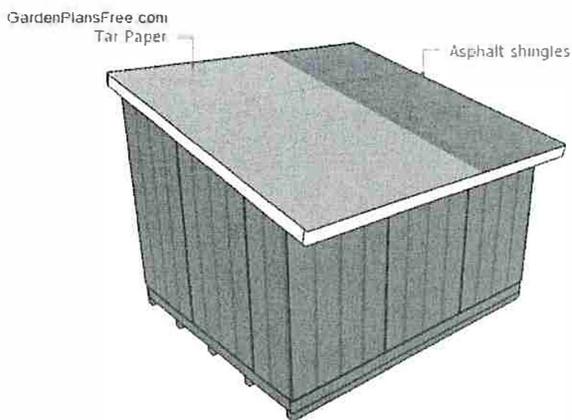
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8 STEPS TO BUILD A GARDEN SHED

Fit the 1×6 trims to the front and back roof of the shed. Use 3 1/2" screws to secure the trims into place.



*Fitting the roofing*

In order to waterproof the shed, you have to cover the roofing sheets with felt. Make sure the strips of roofing felt overlap at least 2-3" and staple them to the plywood sheets every 8".

Continue the project by installing the asphalt shingles. Place the starting course at the bottom of the roof, before fitting the rest of the shingles.

**PRO TIP:** Always read the manufacturer's instructions before installing the shingles. They provide essential information about the installation of the shingles.

