Titan 10'x20' Storage Shed Plan
Compare our Free vs. Premium Shed Plan

This perfectly designed plan will guide you through the entire process of building your very own shed for any backyard or garden.

Check out the benefits you would get with our premium edition:

<table>
<thead>
<tr>
<th>Features</th>
<th>This free plan</th>
<th>Premium edition</th>
</tr>
</thead>
<tbody>
<tr>
<td>Steps count</td>
<td>10</td>
<td>20</td>
</tr>
<tr>
<td>Illustrations for Each Step</td>
<td>✅</td>
<td>✅</td>
</tr>
<tr>
<td>Print Ready</td>
<td>✅</td>
<td>✅</td>
</tr>
<tr>
<td>Step By Step Instructions</td>
<td>✅</td>
<td>✅</td>
</tr>
<tr>
<td>Full Materials and Cuttings List</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Additional Illustrations</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Additional Blueprints</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Tools List</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Fastening Elements List</td>
<td>✗</td>
<td>✓</td>
</tr>
<tr>
<td>Technical Support</td>
<td>✗</td>
<td>✓</td>
</tr>
</tbody>
</table>

BUY PREMIUM PLAN
Disclaimer
The information provided here will show you how to build a chicken coop. However, we at howtoplans.org do not claim that the recommended techniques are the only way to accomplish this task. It will be the responsibility of each customer to ensure the application of the correct construction methods and the use of the proper materials. In addition to the selection of the materials, the customer will be responsible for such construction issues as caulking, flashing, gluing, insulating and nailing, for ensuring adequate workmanship in the areas of installation, roofing and weatherproofing, and for any other items that are beyond the control of the designer. The materials mentioned in the plans do not represent an endorsement or recommendation of any particular product.

The Responsibility of Users
Despite our commitment to presenting accurate information, howtoplans.org is not liable for any errors or omissions appearing in the plans. Furthermore, howtoplans.org will not be liable for any consequential, special, incidental or indirect damages resulting from the use of this information. Our freedom from liability also extends to such issues as the loss of anticipated profits or business opportunities, and economic losses stemming from the use of howtoplans.org, regardless of whether there has been notification of such damage.

Liability
Those who utilize the methods described on howtoplans.org will be responsible for their own actions. We are not liable for any injuries or property damage that may arise from the use of the information appearing on this website. If you decide to use these plans, you should employ only quality materials and should always adhere to good safety practices. In the event that you are unable to complete the project on your own, you should contact a certified contractor to ensure that construction is completed with the highest standards.

Permissions
It is important to understand that planning and permission issues are dependent upon local requirements. Users of these plans are responsible for complying with the appropriate statutes and regulations, and for the proper implementation of the plans or other construction information provided by howtoplans.org. The city or county office in your area should be able to provide you with the relevant information.

Copyright
The text and illustrations that appear here are the exclusive property of howtoplans.org and are protected by federal copyright laws. The one-time use of the plans is limited to anyone who purchases them. The duplication, publication, sale or distribution of any portion of these plans without prior written consent from the original designer will be subject to the appropriate penalties for copyright infringement.
10'x20' Storage Shed Plan Material List

Site Preparation
- Concrete
- Bricks

Bottom Frame
- Pressure-Treated Lumber
- Plywood

Wall Frames
- Pressure-Treated Lumber

Shed's Door
- Pressure-Treated Lumber
- Wood siding boards
- Plywood

Walls Exterior Siding
- Pressure-Treated Lumber
- Wood siding boards

Top Frame
- Pressure-Treated Lumber

Shed's Roof
- Pressure-Treated Lumber
- Pressure-Treated Board
- Plywood
- Building paper
- Asphalt shingles
- Metal drip edge

Fasteners & Hardware
- Door hinges
- Door pulls
- Surface bolt
- Galvanized nails
- Wood screws
Foundation Preparation

1.1 Clear the area where you want to build the shed and layout for the foundation. Use the below illustration as a guide.

1.2 For the foundation, dig the trenches at least 1' wide and 1' deep.

1.3 Fill the trenches to ground level with concrete and let cure, or harden. Since curing times vary between brands, read the packaging for recommended curing times.

1.4 Once the concrete has cured, use standard-sized bricks and lay them across the foundation. You will need roughly 250 bricks for this step.
Framing the Floor

2.1 Assemble the frame using 1 1/2" x 7 1/4" treated lumber. You will need 14 boards cut to 9'-9" to use as floor joist.

2.2 Secure the beams together with 8x5" wood screws.

2.3 Take a few minutes to check the corners to make sure they are 90°.
Assemble Front Wall Frame

3.1 Using 1 1/2” x 3 1/2” and 3 1/2” x 3 1/2” treated lumber, put the front wall frame together using the drawing below for guidance. You will need three boards cut to 11” that will be the cripple studs, one board cut to 5'-4” that for the door header, sixteen boards cut to 6'-11” that for the wall studs, two boards cut to 7'-4” for the bottom plates and one board cut to 20’ for the top plate.

3.2 Use flat head Phillips 2x4” wood screws to connect the beams.

3.3 Use the square to check the corners to verify that each is 90°.
**Assemble Back Wall Frame**

4.1 Using 1 1/2“ x 3 1/2“ and 3 1/2“ x 3 1/2“ pressure-treated lumber, construct the back wall frame. The drawing below provides the construction detail. You will need 16 boards cut to 6'-11" for the studs and two boards cut to 20' for the top and bottom plates.

4.2 Connect the beams with 2x4" wood screws.

4.3 Be sure to check the corners using a square to make sure they are 90°.
Assemble Left and Right Wall Frames

5.1 Using 1 1/2” x 3 1/2” treated lumber, construct the side wall frames using the drawing below as a guide. You will need nine boards cut to 6'-11” for the wall studs and two boards cut to 9'-5” for the top and bottom plates for the garden shed.

5.2 Join all the beams with 2x4” flat head Phillips wood screws.

5.3 Check the corners as you go and when you complete the walls to make sure they are 90°.
Assemble the Roof Frame

6.1 Using 1 1/2 “ x 5 1/2 “ pressure-treated lumber, cut 34 rafters 6‘-11” long according to the angle dimensions.

6.2 Using 1 1/2 “ x 3 1/2 “ treated lumber, cut fifteen collar ties 5‘-11 3/4” long according to the dimensions.

6.3 Using 3/4 “ x 7 1/4 “ pressure-treated board, cut the ridge board 20‘ long according the illustration below.

6.4 Use 2x3” flat head Phillips wood screws to connect the beams.
Assemble and Install Shed Doors

7.1 Build the door frames for the shed using 1 1/2 “ x 3 1/2 “ treated lumber and secure with 5” Phillips flat head wood screws. You will need two boards cut to 5'-11 3/4” for the vertical girts and two boards cut to 2'-3/4” for the horizontal girts.

7.2 Cut the 9/16” plywood sheet with dimensions into two pieces 2'-7 3/4” x 5'-11 3/4” for the doors.

7.3 Use 2 1/2 “ x 3/4 “ treated lumber for the door trim and fasten with 2” Phillips flat head wood screws. You will need two boards cut to 2'-2 3/4” and two boards cut to 5'-11 3/4” to make the trim.

7.4 Use 1/4 “ x 3/4 “ pressure-treated lumber to cut and install a starter course 2'-2 3/4” long.

7.5 For the exterior siding on the door, use 1/2 “ x 6” wood siding board as show in the image below.

7.6 Assemble siding shields with 2” galvanized nails.

7.7 Install three 3” door hinges using 6x1” Phillips flat head wood screws. Finish the door installation by attaching 4” surface bolts and 6” door pulls.
**Shed's Back Wall Ventilation**

8.1 Install the 12” x 12” wood louver gable vent in the opening of the back wall.

8.2 Secure it with 4x3” Phillips flat head wood screws.
Roof Sheathing Installation

9.1 You will need 300 square feet of the asphalt shingle roofing of your choice.
9.2 Add the metal drip edge to the fascias.
9.3 Cover the plywood with building paper (roofing felt).
9.4 Install asphalt shingle roofing using an industrial stapler or roofing nails.
Shed Decoration

Now that your coop is all done, you are ready to decorate it any way you want using your favorite paint, stain, or preservative.