

Birdhouse Project

Materials:

- 1" x 6" x approx. 52" No. 2 SPF
- 16 No. 8 epoxy coated or flooring 1 1/4" Robertson screws

Tools:

- Miter saw or hand saw and carpenter's square, 3/8" cordless drill, 1/8" drill bit, 1" spade bit, cordless impact driver, No. 2 Robertson driver bit, 12" quick grip clamp, tape measure.

Cut list:

- 1- 10" (front with 1" hole centered), 1- 10" (roof), 2-10" (sides-cut one end on both sides to 18 degrees), 1- 7 3/4" (back), 1-4" (bottom)

Assembly:

Working with a partner, safely perform the following steps (using your quick grip clamp to secure your project will help protect you and your partner):

1. Dry fit one side over the bottom balanced upright on your work surface. The square end of the side should be placed on the smaller bottom.
2. Using the 3/8" cordless drill and 1/8" drill bit, carefully drill two evenly spaced holes through the side near the center of the underlying bottom. Ensure your partner is holding the project at the opposite end, with hands well clear of the tool being used before beginning (using your quick grip clamp to secure your project will protect you and your partner).



- Using the cordless driver and #2 Robertson driver bit, drive one screw in each of the two holes to fasten the bottom to the side. Again, ensure that your partner is safely holding the project at the opposite end and clamp before using the tool!



- Flip your birdhouse onto the side you fastened and repeat the procedure to fasten the other side to the bottom (steps 2-3). Ensure your roof angles are sloping in the same direction. Again, drill your holes through the side to land in the center of the bottom, and fasten the side and bottom using two screws. Ensure that your partner is safely holding the project at the opposite end and clamp before using the tool!



- Roll your birdhouse onto to the long open edge (front) in order to fasten the back.
- Fit the back (1" x 6" x 7 3/4") so bottom and sides are flush. Using the 3/8" drill and 1/8" drill bit, drill 2 evenly spaced holes through the back into the center of each side. Always ensure your partner is holding safely from the opposite side you are using the drill and ensure you are clear of the other fasteners holding the bottom. Also, use your clamp to secure your project!



7. Using the impact driver fasten 1 screw through each of the four holes to attach the back to the sides of the bird house.



8. Flip the bird house onto the back and fit the front (1" x 10" with entry hole) so all edges are flush. Repeat steps 6 and 7 to drill then fasten the front of the birdhouse.



9. Finally, rest your birdhouse on the bottom to fit the roof. Ensure you have overhang over the front and back to protect your winged friends! Repeat the drilling and driving procedures (steps 6 and 7) to fasten your roof to the sides of your birdhouse using two screws through the roof into each side.





Birdhouse Project

Roof

Side wall

Side wall

Back wall

Front wall

Roof

1. Fasten a side wall to the floor.

2. Fasten the opposite side wall to the floor.

3. Fasten the back wall to the side walls.

4. Fasten the front wall to the side walls.

5. Fasten the roof to the top of the side walls.