Bat House Plan

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A simple bat house plan is available below. Additional information about bat houses can be found on the Sustainable Resource Development website, [www.srd.alberta.ca](http://www.srd.alberta.ca) or from the Bat Conservation International website, [www.batcon.org](http://www.batcon.org).

Before You Build

Before building your bat house, learn more about the features of a bat house that best attract bats in Alberta and how to report on activities at your bat house.

Refer to the following documents at [www.srd.alberta.ca](http://www.srd.alberta.ca):

- Alberta Bat House Data Report Form
- Bat Houses in Alberta

Structural Materials Needed (also see Figure 1. Front and Side Views, below)

- One 8’ piece of 1” x 8” lumber (front and back pieces, and entry restriction)
- One 5’ piece of 2” x 2” lumber (sides and ceiling)
- One 16 ½” piece of 1” x 4” lumber (roof)
- One piece 15 ½” x 23” fiberglass window screening

Additional Materials Needed

- 20 to 30 coated deck or exterior grade screws (can substitute equivalent nails, particularly if children are assembling the house)
- Flat, water-based, exterior paint or stain of a dark colour (black or brown)
- One tube paintable latex caulkling
- 5/16” stainless staples

Tools Needed

- Table or hand saw
- Hammer or drill (depending on whether screws or nails are used)
- Tape measure
- Yard stick
- Metre stick
- Caulking gun
- Scissors
- Staple gun
- Paintbrush
Instructions

1. Measure and cut all pieces as per the plans (see Figure 1: Front and Side Views; for all other instructions, also see Figure 2: Exploded View). NOTE: Back and front could be modified as single pieces, 21 ¾” and 21”, respectively.

2. Assemble the inner frame, including the entrance restriction.

3. Caulk frame where back will be attached.

4. Attach back boards to frame.

5. Staple screening to inside surface of back. Avoid puckers.

6. Caulk frame where front will be attached.

7. Attach front boards to frame, starting with the top piece.

8. Attach roof.

9. Caulk all exterior joints.

10. Paint or stain two or three times.

Figure 1: Front and Side Views
Figure 2. Exploded View

- Roof
- Back
- Ceiling
- Side
- Front
- Entrance Restriction
- Fiberglass Screening (must be securely attached with staples or small slats)