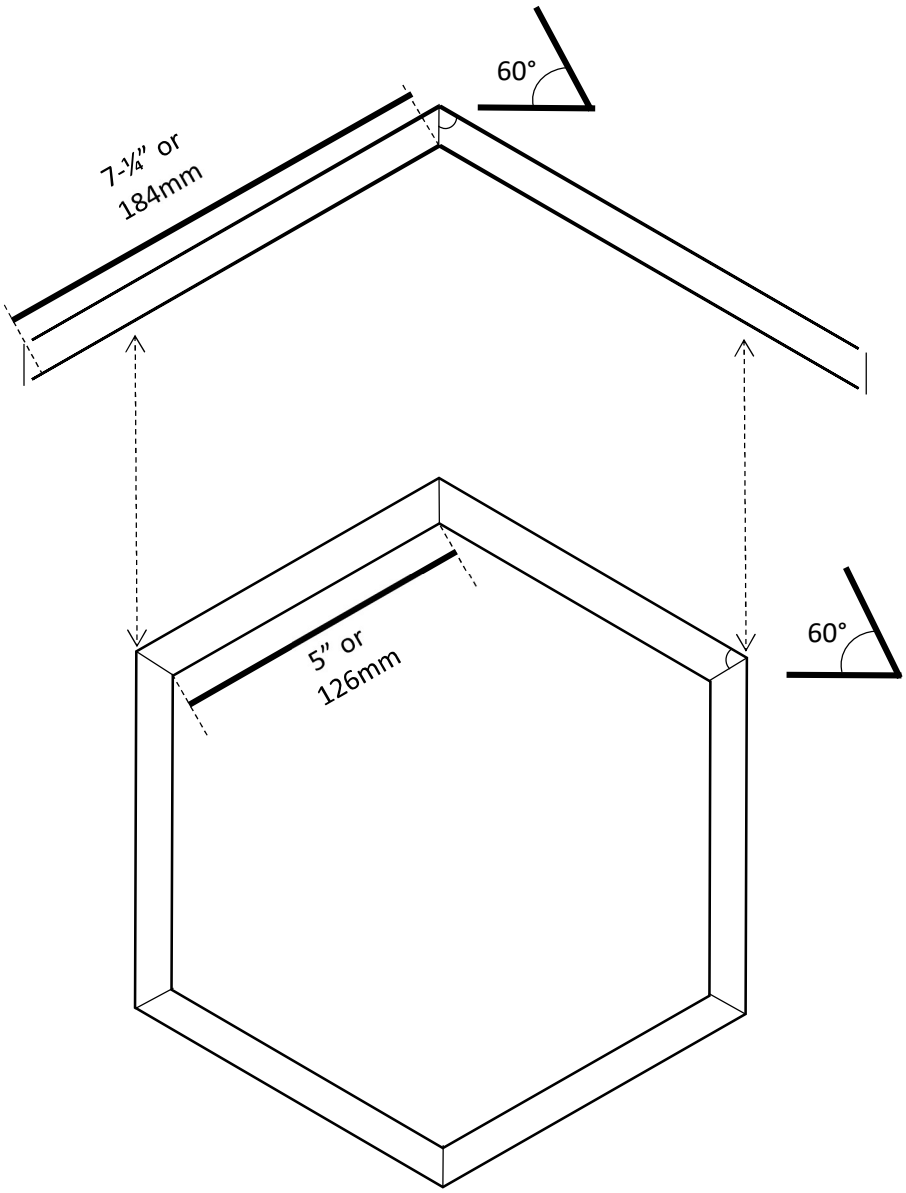
You will need:

- 1 in. x 6 in. x 6 ft. board (x1)
- 1 in. x 8 in. x 6 ft. board (x1)
- 4 in. x 4 in. x 4 ft. post (only if placing in a garden)
- ¾ in. piece of plywood
- Galvanized 1-¼” screws
- Screw driver or drill
- Ruler, protractor, and pencil
- Filler material cut to 5-¾ in. lengths (bamboo, sawn logs, sticks, etc.)
- Drill bits (for drilling holes in wood blocks or logs) – 3/32”, 3/8”, 5/16”
- Wood glue (recommended)
- Insect friendly paint/stain (optional)

Diagram

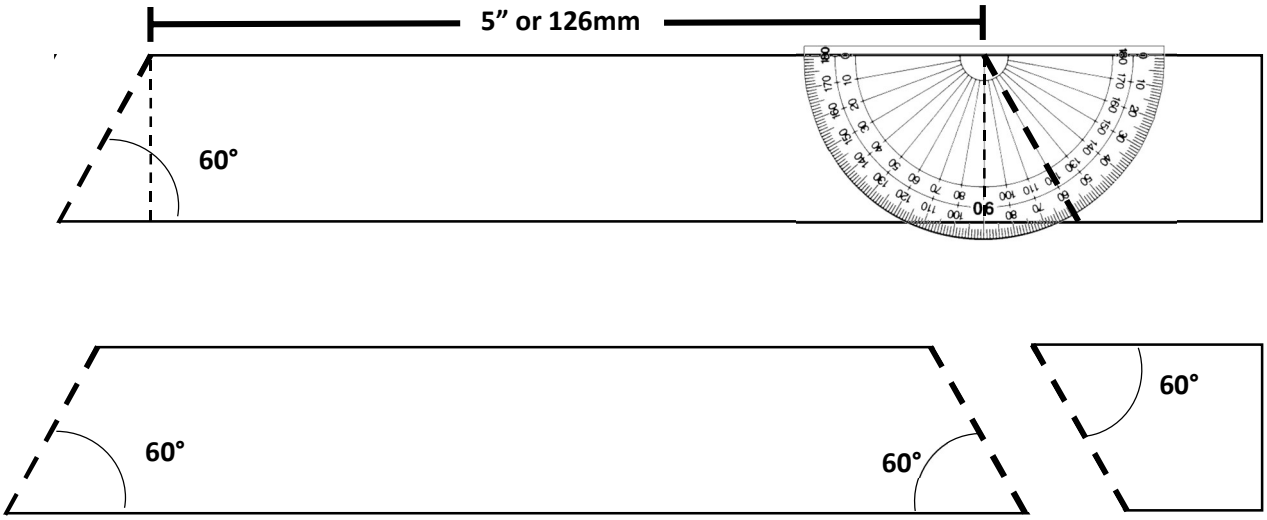


Instructions

Frame:

Step 1. Cut a 60° angle on the 1 in. x 6 in. x 6 ft. board.

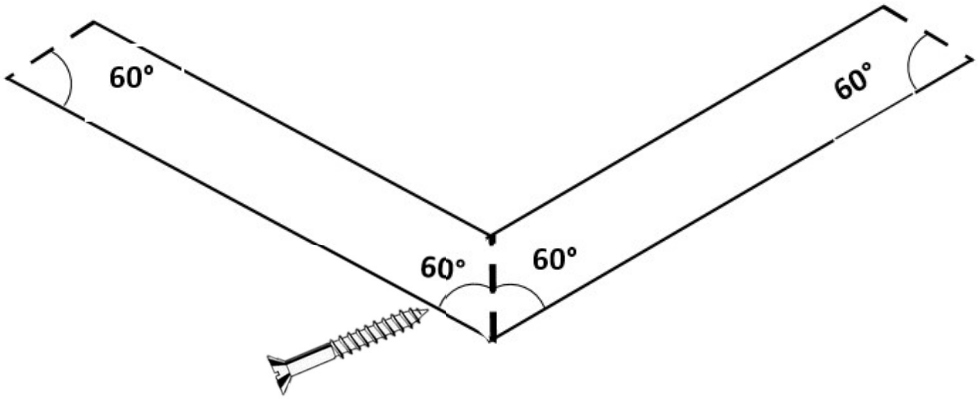
Step 2. Measure and mark 5" (126mm) from the top of the angle (the shorter side). Cut another 60° angle. **This should be <u>opposite</u> of the first**.



Step 3. Repeat steps 1 and 2 until you have a total of 6 pieces. Assemble pieces as shown in diagram on page 2.

Step 4. It is recommended to use a thin line of wood or gorilla glue to add security to the pieces before screwing them together. Make sure the edges are flush with one another (this might require a second pair of hands) and secure the edges together, drilling at an angle to ensure the screws go into *both* pieces of wood.

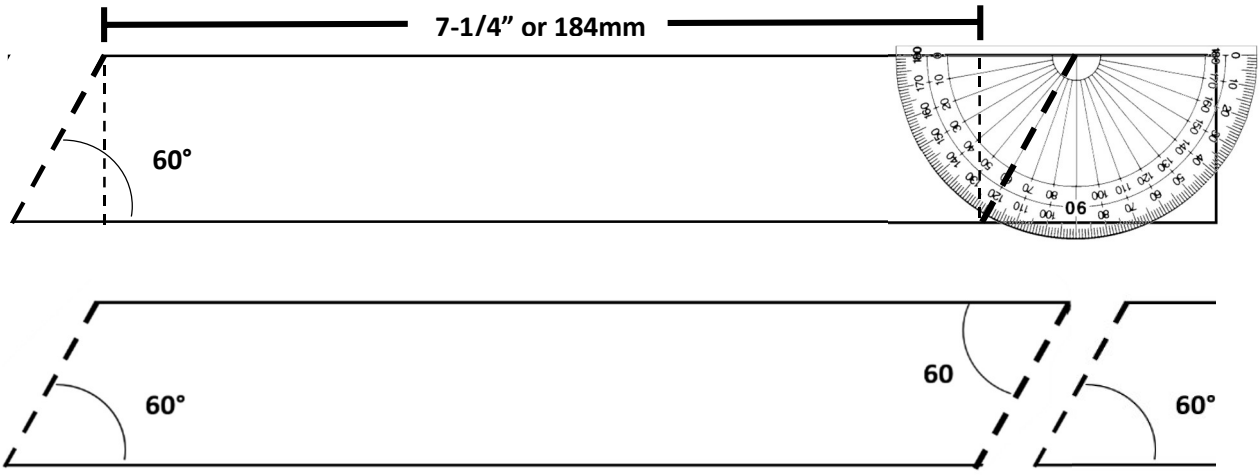
> ***Tip:*** Keep the screws away from the edges and as centered as possible. This reduces the chance of the wood splitting.



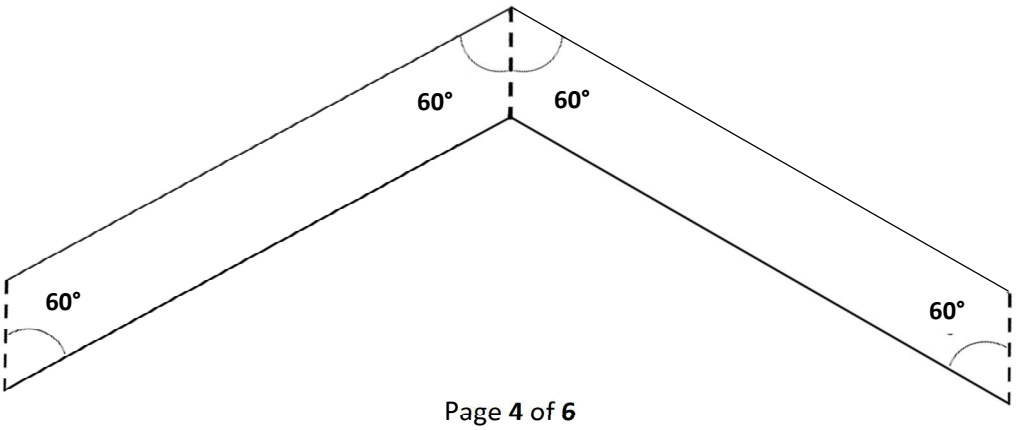
Roof:

Step 1. Mark a 60° angle on the 1 in. x 8 in. x 6 ft. board. Use table saw or manually cut the board along this angle.

Step 2. Measure and mark 7-¼" (184mm) from the top of the angle (the shorter side). Mark another 60° angle. **This angle should be <u>parallel</u> to the first**. Repeat to make two of these pieces.



Step 4. It is recommended to use a thin line of wood glue or gorilla glue to add security to the pieces before screwing/nailing them together. Make sure the edges are flush with one another and secure together, drilling at an angle to ensure the screws go into *both* pieces of wood.



Assembly:

Step 1. Following the diagram on page 2, place roof on top of hexagonal frame. Make sure roof edge (width-wise) is flush with the hexagon frame.

Step 2. Use wood glue or gorilla glue to fasten roof to frame (optional). Secure roof to wooden frame.

Plywood Backing:

Step 1. Place the assembled insect hotel onto the plywood board and trace its outline (follow image for guidance). Cut out the outline.

Step 2. We recommend using wood or gorilla glue to add stability before nailing/screwing on the plywood cutout to the back of the insect hotel.

Placement:

We recommend mounting to the side of a shed or garage or atop a post near a garden. If mounting on a post, use a 4 in. x 4 in. x 4ft. post. Nail or screw a 10-½" plank (you can use the leftover wood from earlier) on to the top and attach the insect hotel to this post. **It is best to place the insect hotel before filling it with nesting material.**

Filler Material:

Different types of material will attract different species. Some examples are given in the table below. If drilling into wood, place the holes about 1 in. apart from one another and approximately 6 in. deep.

Building Item	Possible visitor(s)
sawn logs or wooden blocks with pre-drilled holes	solitary bees, such as mason bees and leaf-cutter bees
bamboo or reed stems	solitary bees, such as mason bees and leaf-cutter bees; wasps, such as thread-waist wasps
dry leaves	centipedes, beetles, harvestmen
sticks	ladybird beetles
strips of bark	beetles, woodlice, centipedes, millipedes, spiders