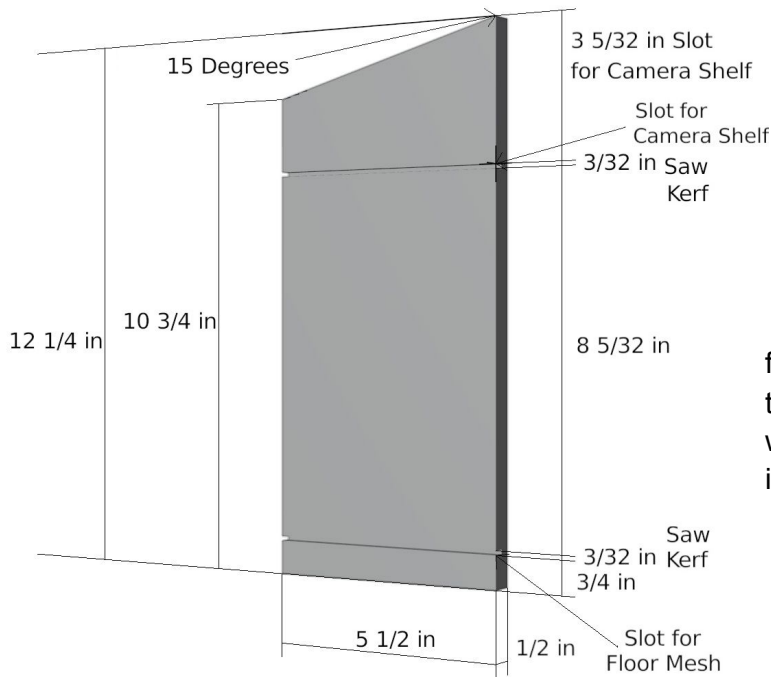# Nest Box - *(birdhouse.walkingdown.com)*

Ideal for Eastern Bluebirds, Chickadees, Tufted Titmouse, and others. Hole diameter can be adjusted for bird preference.

1) Sides: Build the two sides to identical heights. Optional saw slots half way into the wood on the interior for the camera shelf and mesh floor.

15 Degrees
3 5/32 in Slot for Camera Shelf
Slot for Camera Shelf
3/32 in Saw Kerf
12 1/4 in
10 3/4 in
8 5/32 in
Saw 3/32 in Kerf
3/4 in
5 1/2 in
1/2 in
Slot for Floor Mesh

2) Bottom: Build the bottom ¼ inch narrower in one dimension. To create ventilation slots in the front and back of the box, center the bottom, along the 5 ¼ in. sides, to the side boards. Orient the optional saw slots toward the interior.

5 1/2 in
5 1/4 in
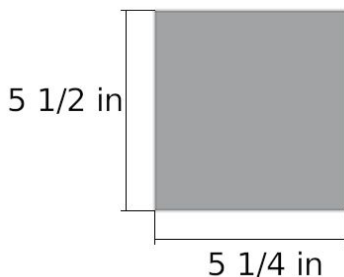
3) Front: Using the sides and bottom, measure the needed height for the front. Build the front ¼ in. short to create a vent under the roof. Saw slots under the hole on the inside make a ladder for fledglings. The hole diameter can be customized for the bird species you'd like to attract.

2 1/2
1 1/2 in
11 in
Saw Slots for Ladder
5 1/2 in
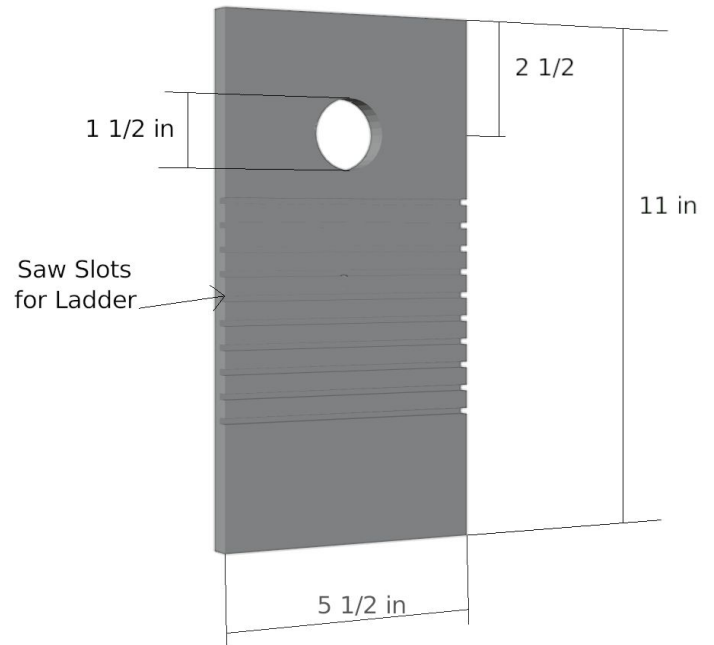
4) Back / Door: Measure the needed height for the back, leaving a ¼ in. gap to for a vent under the roof. Attach the back with screws or optionally with hinges and latches. The door could also be cut into two pieces to give access to a camera.
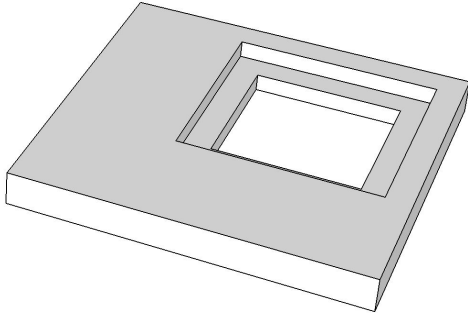
Hinge
Cut For Separate Doors
Hinge
12 5/8 in
5 1/2 in
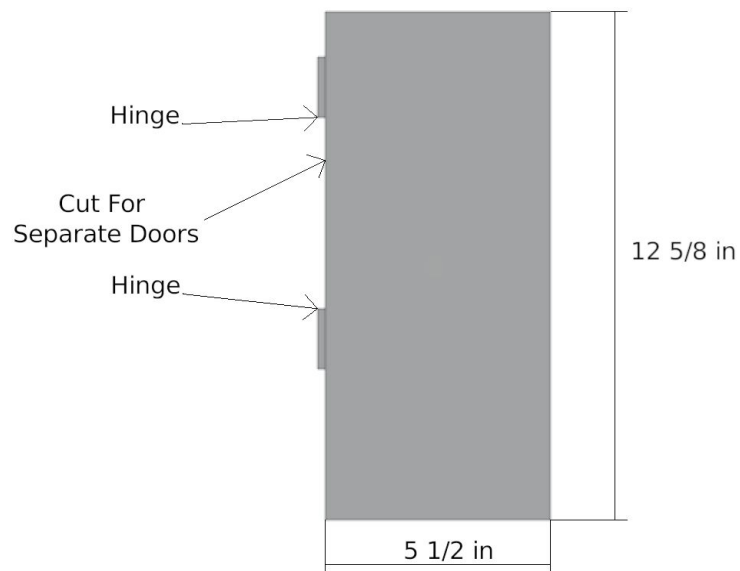
5) Roof: Build the roof by glueing two boards together that is large enough to overhang all sides.

8 1/2 in
11 in
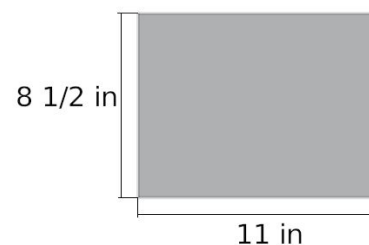
Nest Box Options

Camera Shelf: A **camera shelf** can be made from wood or 3D printed. A wooden version needs a wider slot routed into the sides.
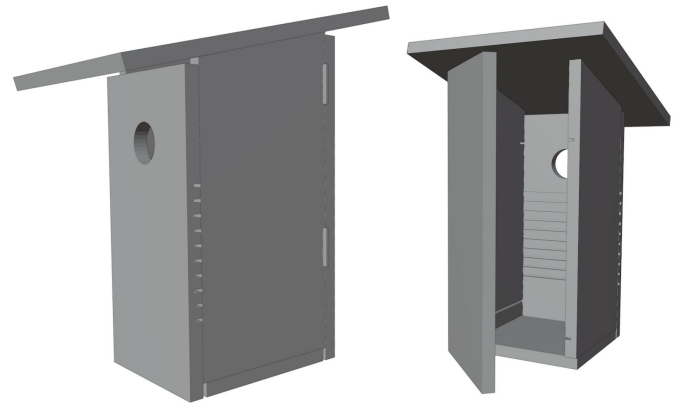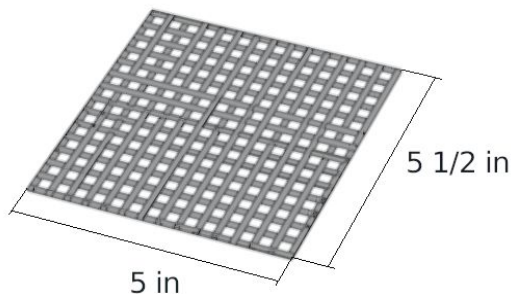

Materials List:

- 6 foot long board 5 ½ in. wide. *(cedar or oak recommended)*
- 1 ½ in. long trim head screws. *(approximate number of screws needed is 12 - 16)*
- Wood glue *(for roof)*
- 1 ½ in. stainless steel butt hinge(s), including ½ in. stainless steel screws.
- Stainless steel spring latch, including stainless steel screws.

Mounting: Because of the door(s) on the back for clean-out and camera access, a good option for mounting is to use a metal L bracket attached to the bottom with screws, and the 90 degree angle attached to a 4x4 post for example.

3D Printing Options:

Mesh Floor: A mesh floor can be made from wire mesh or optionally 3D printed. Both will insert into a slot made by the saw kerf. The wire mesh is easier to insert with the front removed.
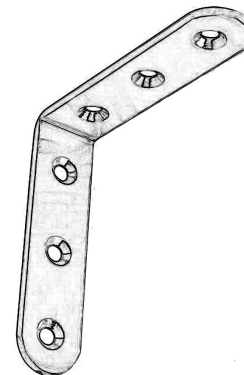
Camera Shelf: The optional 3D printed version can insert into a slot made by the saw kerf.