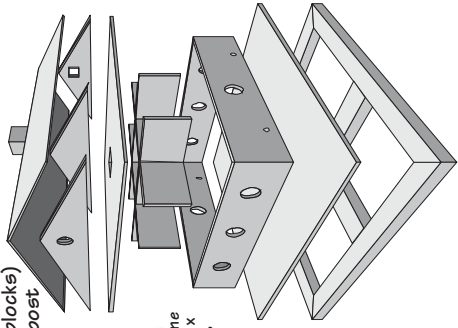


Purple Martin House

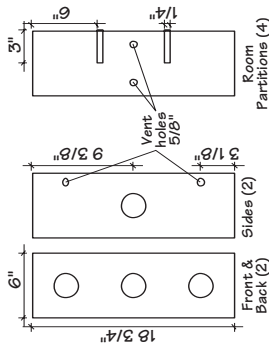
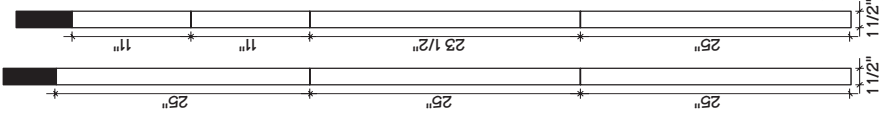
Materials:

- 4' x 8' x 1/4" plywood
- 2" x 2" x 6' for chimney
- 4" x 8" metal window screen
- 1" x 1" x 8' (corner blocks)
- 4" x 4" x 14' cedar post
- 1" x 2" x 14' (base)



NOTE:
This plan is for a one-story house. To add a second story, make the pine ceiling unit (25" x 23"), four more sides, and four more room partitions.

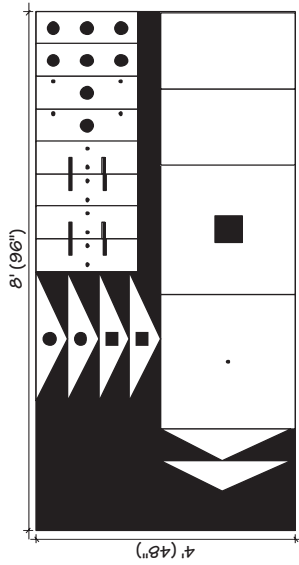
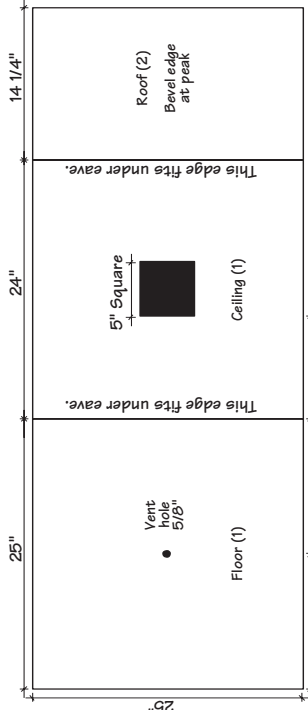
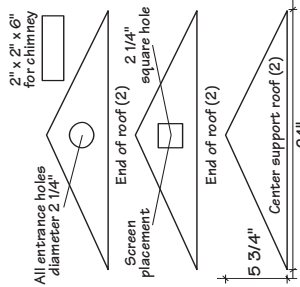
Expanded view of martin house. A threaded rod inserts through the base and up through the chimney.



Locate 5/8" ventilation holes 1" below the top edges of sides.

Place 1/2" dowel railing around balcony to keep young from falling.

Boards for base (shown as two boards, but all can be taken out of one board 14' long).



Nest Box Dimensions for Various Bird Species

	Entrance hole diameter, inches	Height of inside floor, inches	Height of wall panels, inches	Min. height above ground, feet	On pole or tree near shrubs	On pole or tree in open areas
House wren	1	2 1/2 x 2 1/2	6	6	•	•
Chickadee	1 1/8	3 1/4 x 3 1/4	8	6	•	•
Nuthatch	1 1/4					
Downy woodpecker	1 1/4					
Bluebird	1 1/2	4 x 4	10	7		•
Tree sparrow						
Red-headed woodpecker	2	4 1/2 x 4 1/2	12 1/2	10		•
Hairy woodpecker	1 1/2	5 x 5	12 1/2	10		•
Northern flicker	2 1/2	6 x 6	15	10		•
Screech Owl American kestrel	3	7 1/2 x 7 1/2	7	15		•
Purple martin	2 1/4	5 x 5	6	8		•
Wood duck	3x4	10 x 10	20	8		•

For more information, contact:

Kansas Dept. of Wildlife & Parks
 Fisheries & Wildlife Division
 512 SE 25th Ave.
 Pratt, KS 67124

Phone: (620) 672-5911

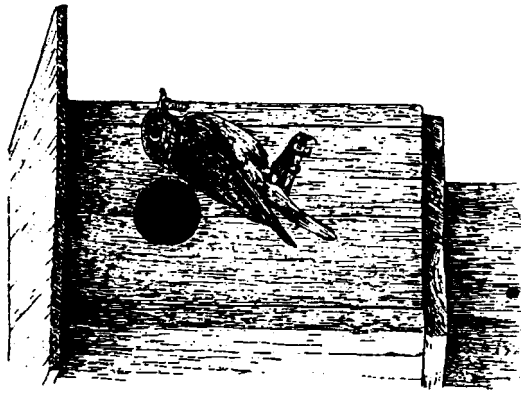
Website Address:
www.kdwp.state.ks.us



Kansas Department of Wildlife & Parks

Department Website:
www.kdwp.state.ks.us

Bird Houses



Equal opportunity to participate in and benefit from programs described herein is available to all individuals without regard to race, color, national origin, sex, religion, age or handicap. Complaints of discrimination should be sent to Office of the Secretary, Kansas Department of Wildlife and Parks, 900 Jackson St., Suite 502, Topeka, KS 66612. 09/02

BIRD HOUSES

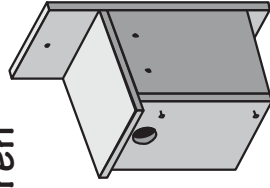
Building and placing bird houses is a popular hobby for thousands of Kansans. This gives many people fulfillment and some satisfaction that they may be helping our feathered friends. In our backyards, there may be several opportunities for bird houses. This brochure gives simple designs for construction of four types of bird houses for species most likely to use your backyard. They include house wrens, American robins, northern flickers, American kestrels, and purple martins. While wrens, flickers, and robins may be attracted to trees and shrubs near your house, kestrels and martins like a little more room.

The bird most people will likely attract will be the house wren. Wren houses should be placed 5 to 10 feet above the ground, under the eaves of a building or hanging in a tree. No perch is needed. Clean the box after each brood.

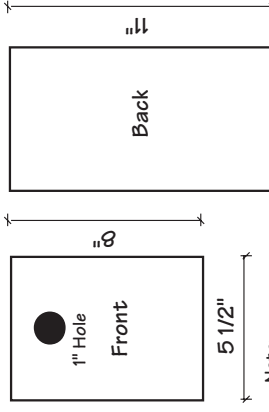
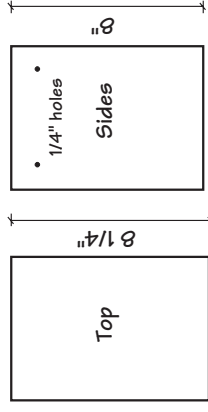
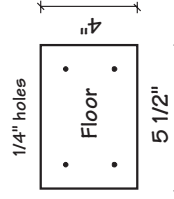
Place a purple martin house about 10 feet high, preferably on a retractable pole, at least 30 feet from any trees. It is important to clean all bird houses very early in the spring. A handful of sawdust may be used in the bottom of each compartment of a martin house along with a small pinch of rotenone to reduce future problems with lice. It is important to keep house sparrows out of martin houses because the desirable birds will not nest with the sparrows. Weekly maintenance is required to remove sparrow nesting material similar to bluebird houses. (See bluebird brochure in this series.)

Put a kestrel box on a tree or post at least 10 feet high (in open country, if you have a large yard or country home). The secret to attracting flickers is to use 1 1/2-inch thick cedar boards for nest boxes and to fill the interior of the box all the way to the top with sawdust. These boxes should be placed 4 to 6 feet high along fence-rows that border crop fields, pastures, or woodlots.

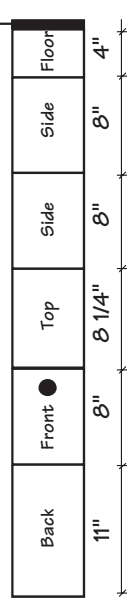
House Wren



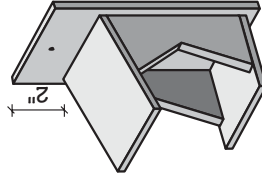
Lumber:
One 1" x 6" x 4'



Note:
Entrance hole diameter is 1"

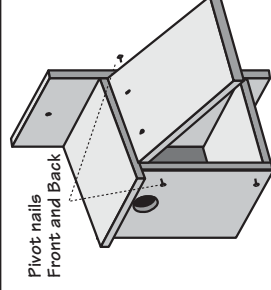
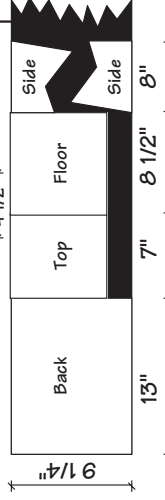
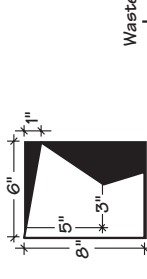


Robin, Barn Swallow



Lumber:
One 1" x 10" x 6'

Back: 9 1/4" x 13"
Floor: 8" x 7"
Sides: 8" x 4 1/2"
Top: 8 1/2" x 8"
(Bevel 18.5 degrees)

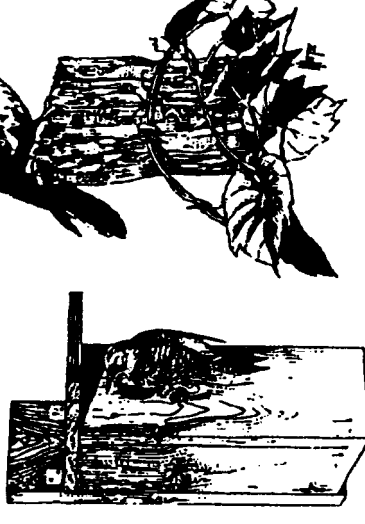


Pivot nails
Front and Back

Nail or screw
holds side closed.

Two removable pivot nails allow side to swing out for cleaning. Use a nail at bottom to close side.

American Kestrel



American Kestrel, Northern Flicker, Eastern Screech Owl

