Overlapping cedar shingles add an element of charm to this medium size doghouse. The walls, floor, and trim are constructed of solid cedar, making it naturally weather resistant and provides excellent insulation. An added benefit of cedar is that it is a natural insect repellent. It also features an easy lift off roof for easy cleaning.

- Height (Including Roof): 32 1/2"
- Width (Including Roof): 26 1/2"
- Depth (Including Roof): 29"
- Height (House Only): 30"
- Width (Including Roof): 22 1/2"
- Depth (Including Roof): 25"
**Cedar Cottage Doghouse Plans**  
**Materials List**  
**Page 1**

**Wood Parts**  
*Except for the floor boards, all wood is 3/4” thick unless otherwise noted.*  
*If your wood is thicker, use your table saw to cut it to the proper thickness before assembly.*

<table>
<thead>
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<th>Size</th>
<th>Material</th>
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## Hardware Required

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Cedar Cottage Doghouse Plans
Floor & Wall Parts Drawings
Page 2

24" Siding (14 Required)

5" Siding (10 Required)

21" Siding (9 Required)

9 3/8" Floor Support (4 Required)

Wall Stud (10 Required)

Door Edge (2 Required)

Center Floor Board (1 Required)

Side Floor Board (2 Required)

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Cedar Cottage Doghouse Plans
Trim Parts Drawings
Page 3

Gable Trim (4 Required)

(16"
1/2"
67\(^\circ\)
45\(^\circ\)
)

(Set your saw to 22 1/2\(^\circ\) to make the 67 1/2\(^\circ\) cuts.)

Side Trim (4 Required)

18 3/4"
1/2"
67\(^\circ\)

Bottom Trim (2 Required)

19 1/2"
2 1/4"

3" Legs (4 Required)

3"
1 1/2"

Door Top Trim (1 Required)

12"
2 1/4"
Door side and top trim parts are 1/2" thick.

A full size pattern is provided for the Door Top Trim.

Door Side Trim (2 Required)

11 1/4"
1"

Roof Trim (4 Required)

18 5/8"
1/2"
45\(^\circ\)

Roof Trim is 1/2" thick.

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Top Gable Board (2 Required)

2nd Gable Board (2 Required)

3rd Gable Board (2 Required)

4th Gable Board (2 Required)

Bottom Gable Board (2 Required)
Sub Roof (2 Required)

Sub Roof is made of 1/2" thick material.

Roof Filler Strip (1 Required)

Roof Filler Strip is made of 1" thick material.

Underlap Roof Cap (1 Required)

Roof Cap is 3/8" thick.

Overlap Roof Cap (1 Required)

Roof Cap is 3/8" thick.

Rafter (4 Required)

Roof Guide (4 Required)

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Drill the Screw Holes

Page 6

Front Bottom Siding Board

Drill three 5/16" diameter holes in one of the 21" siding boards as shown above. These holes will be for Tee Nuts.

Rear Bottom Siding Board

Drill three 1/4" diameter holes in one of the 21" siding boards as shown above. These holes will be for 1/4" bolts.

19" Floor Supports

Drill three 1/4" diameter holes in each of the 19" floor supports as shown above.

Rafters

Drill two 3/16" diameter holes through the wide edge of the rafters as shown above.

Drill two 3/16" diameter holes through the narrow edge of each rafter as shown above.

2nd Gable Board (Rear Only)

Drill several 3/8" diameter vent holes in the 2nd and 3rd rear gable boards as shown above. The gray shaded areas represent the 1 1/2" wide gable trim.

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To make the shingles, start by cutting forty-four 4 1/4" high pieces of wood from an 8" wide cedar board. (The actual width of the board will probably be between 7 1/4" and 7 1/2").

Use your table saw to cut the shingles into the final shape as shown below. We make these cuts before cutting the shingles to the correct width because it’s easier to make the cuts on longer pieces.) You’ll need thirty-six 7" wide shingles and eight 3 1/2" wide ones.

The overlap notch is not needed on the bottom rows of shingles. Set eight shingles aside for the bottom rows and do not make the first two cuts on them. (These are 7" wide shingles.)

---

**Grain Direction**

**Step 1.**
Make a 1" deep cut 5/16" from the edge of each piece as shown by the gray shaded area above.

**Step 2.**
Make a 7/16" deep cut 1" from the edge of each piece to complete the overlap notch as shown by the gray shaded area above.

Make the tapered cut on all shingles.

**Step 3.**
Set your table saw angle to 5° and make the tapered cut 7/16" from the edge of each piece as shown by the gray shaded area above.

**Step 4.**
Set your table saw angle back to 90° and cut thirty-six shingles 7" wide and eight shingles 3 1/2" wide.

---

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The splines are used between adjoining shingles to prevent leaks and for added strength.

Cut the 3/8" by 1/8" spline kerfs as shown by the gray shaded areas in the drawings below. These kerfs are 3/16" from the bottom and parallel to the bottom.

The half shingles only used on the edges of the roof and therefore only require a single spline kerf.
5” Siding (10 Required)

Eight pieces of the 5” siding need both top edges rounded.
Two pieces of the 5” siding need only one top edge rounded.

End View

21” Siding (9 Required)

Twelve pieces of the 21” siding need both front edges rounded.
Two pieces of the 21” siding need only one front edge rounded.

End View

24” Siding (14 Required)

Six pieces of the 21” siding need both front edges rounded.
One piece of the 21” siding needs only one front edge rounded.
Two pieces of the 21” siding need neither of the front edges rounded.

End View

Round over the adjoining edges of the shingles with a 1/8” radius router bit.
Assemble the floor boards and 19" floor supports as shown. Apply glue to mating surfaces between floor supports and floor boards. Secure with 1 1/2" finishing nails.

Apply glue and attach the 9 3/8" floor supports to the floor boards with 1 1/2" finishing nails.
(Predrill nail holes in the wall studs with a 1/16" drill to keep the wall studs from splitting.)

Position the wall studs flush with the ends of the siding boards.

Bottom Board

Rounded Edges

(Be sure the assembly is square as you work.)

Apply glue to the surfaces of the wall studs and 21" siding boards where the wall studs contact the siding boards as shown. Secure with 1 1/4" finishing nails.

Use 1 1/4" nails. 1 1/2" nails may protrude past the front surface of the siding boards.
(Predrill nail holes in the wall studs with a 1/16" drill to keep the wall studs from splitting.)

Position the end wall studs 1 1/2" from ends of the siding boards.

Apply glue to the surfaces of the wall studs and 24" siding boards where the wall studs contact the siding boards as shown. Secure with 1 1/4" finishing nails.

Use 1 1/4" nails. 1 1/2" nails may protrude past the front surface of the siding boards.

(Be sure the assembly is square as you work.)
Cedar Cottage Doghouse Plans
Assemble Front
Page 14

Wall Stud
5" Siding
21" Siding
Door Edge
Bottom Board

(Be sure the assembly is square as you work.)

Arrange the 21" siding, 5" Siding, two wall studs, and the two door edges as shown. Apply glue to wall stud and door edge mating surfaces and secure the assembly with 1 1/4" finishing nails.

Use 1 1/4" nails. 1 1/2" nails may protrude past the front surface of the siding boards.
Position the top door trim with the bottom inside corners lined up with the door opening as shown above. Make a pencil mark along the bottom curved edge of the door trim.

Use your jig saw with a fine tooth blade and cut along the pencil mark as indicated by the dotted line above. Make the cut just barely to bottom of the pencil mark. You can sand it to match the top trim after the trim in attached.

(When working with cedar, a metal cutting blade provides a smooth cut with minimum splintering.)
Insert a Tee Nut into each of the floor mounting holes as shown above.

Apply glue to the mating surfaces and attach the door trim pieces to the front with 1" finishing nails.
Attach the back to the bottom with 1/4" by 2" carriage bolts, nuts, and washers as shown below.

Attach the front to the bottom with 1/4" by 1 1/2" hex head bolts and washers as shown above.
Position the sides in place and secure the corner studs with 1 1/2" wood screws as shown below.
Orient the trim pieces so two have the angles pointing one way and the other two point the opposite way as shown above. Apply glue to mating surfaces and attach the 3" legs to the front & rear trim pieces with 1 1/4" finishing nails.

Apply glue the mating surfaces and attach the front and rear trim with 1 1/4" finishing nails as shown above.
Position two gable trim pieces as shown below with the best looking side facing down. Be sure they form a 90° angle at the top.

![Diagram showing two gable trim pieces forming a 90° angle]  

In the next step, place the gable boards with the rounded over edges facing down. (The boards are nailed from the back side.)

![Diagram showing gable boards placed with rounded edges at the bottom]  

Apply glue to the mating surfaces and attach the gable boards to the gable trim with 1 1/4" finishing nails. Be sure the gable trim pieces remain square as you attach the boards.

Assemble both gables in the same manner.
Shingles must be flush with the sub roof on top and side edges.

After all shingles are in place, make a mark on the sub roof at the top edge of the bottom shingle. Draw a guide line for the bottom row of shingles using the mark as the distance from the bottom of the sub roof.

Apply glue to the top and bottom surfaces and insert a spline between adjoining shingles.

The bottom row uses full width shingles with no overlap notch.

Attach the shingles to the other piece of sub roof in the same way.
Attach the rafters to the under side of the sub roof panels with 2" screws as shown below. The distance between the rafters must be the same as the distance between the inner surfaces of the front and back siding boards.
Attach the Gables to the rafters with 1 1/2" screws as shown below.
Predrill the nail holes, apply glue to mating surfaces and attach the roof filler to the top of the roof as shown below. 1 1/2" finishing nails would be a good choice.
Predrill the nail holes, apply glue to mating surfaces and attach the Roof Caps to the top of the roof as shown below. 1" finishing nails would be good for this.
Predrill the nail holes, apply glue to mating surfaces and attach the Roof Trim to the top of the roof with 1" finishing nails as shown below.
Attach the Roof Guides to the Gables with 1 1/4" screws as shown below.

Use 1 1/4" screws. 1 1/2" screws may protrude past the front surface of the siding boards.
Set the assembled roof in place and your dog house is complete.
More Plans from: www.bobsplans.com

Router Table  Workbench  Dog House  Picnic Table  Octagon Table

6 Foot Bar  Corner Desk  Book Case  Mantel Clock  Redwood Planter

Wheelbarrow  Spoke Wheel  Panel Saw  Trellis  Wheelbarrow

Pocket Hole Jig  Tenoning Jig  Table Saw Sled  Drill Press Table