

# Simple Arch Pediment

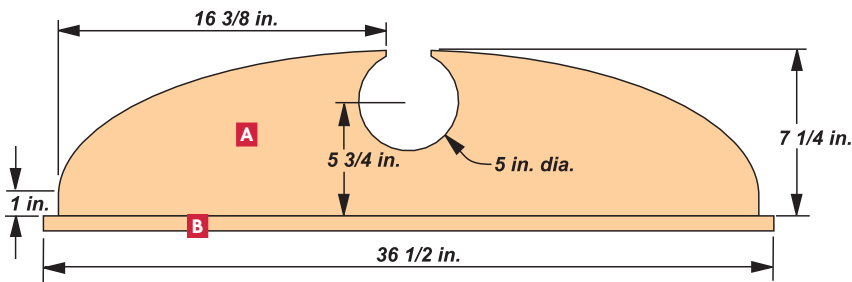
Our first pediment design is made from a 1x8 piece of cedar cut with a curving top edge. It's the fastest and easiest to make.

Start by drawing the outline below onto your 4-foot-long 1x8 to make the cap board (A). Using the handy drawing below will help you get a symmetrical curve, and the 35-inch length will match the width of the trellis. Once you've drawn the outline on the board, use your saber or jig saw to cut it out.

You'll have to rip a wider 1x4 board down to 2 1/4 inches wide to

make the base trim piece (B). Or you can ask the lumberyard to do the ripping for you. Then cut the board to 36 1/2 inches long.

If you're painting your trellis, prime all of the pieces before you assemble them — it'll prevent rot in the joints. After the pieces dry, use three screws to fasten the base trim board to the bottom edge of the cap board. Attach the pediment to the top of the trellis with three screws. Drill down through the base trim board into the trellis, either in front of or behind the cap board, and you're finished. □



## MATERIALS AND TOOLS

### Materials:

1 4-ft. cedar 1x8 to make:

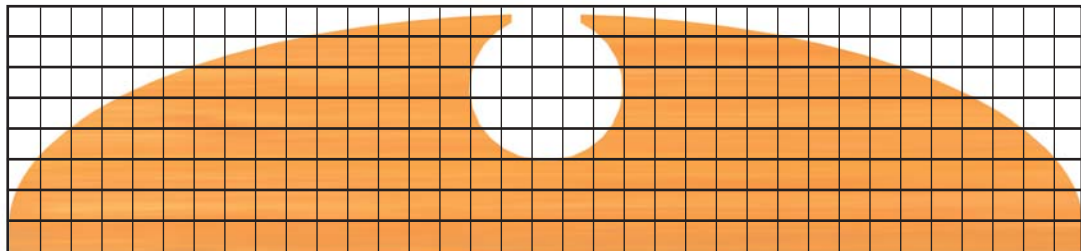
**A** 1 cap board 3/4 x 7 1/2 x 35

1 4-ft. cedar 1x4 to make:

**B** 1 base trim piece 3/4 x 2 1/4 x 36 1/2

6 2 1/2-in. coated screws

**Tools:** Circular saw, saber saw, drill and 3/16-in. bit, screwdriver



Cap board (A)

Scale: 1 square = 1 square inch

# Peaked Cap Pediment



All of the cuts on this pediment are straight, with the exception of the center hole. And, if you feel uncomfortable cutting that hole, just omit it. The pediment will still look fine.

To get started, cut the 1x8 piece of cedar down to 35 inches so it'll match the width of the trellis. Next use the diagram below to draw the cutting lines on your cap board (A). Cut the board using a circular or hand saw. Next mark and cut the hole in the center. The drawing below will help you get it centered. After you have the outline drawn, use a drill to start the hole. Drill with any wide bit so one edge touches the inside edge of the line. That'll give you a place to insert the saber saw blade so you can cut the hole.

To make these pieces you'll have to rip a 1x4 piece of cedar down to size. Cut one 2¼-inch-wide-by-36½-inch-long base trim piece (C). Next cut the two 1½-inch-wide rake trim pieces (B) 19½ inches long.

Using a miter box, cut one end of each rake trim piece at a 20-degree angle so they'll fit together at the top of the pediment.

Prime all of the pieces before you assemble them. Start by attaching the base trim piece to the bottom edge of the cap board using three 1½-inch-long screws. Then fasten each rake trim piece in place using two 1½-inch-long screws each. To fasten the assembled pediment to the trellis, use three 2½-inch-long screws. Screw them down through the base trim piece into the top of the trellis. □

## MATERIALS AND TOOLS

### Materials:

1 4-ft. cedar 1x8 to make:

**A** 1 cap board ¾ x 7½ x 35

1 8-ft. cedar 1x4 to make:

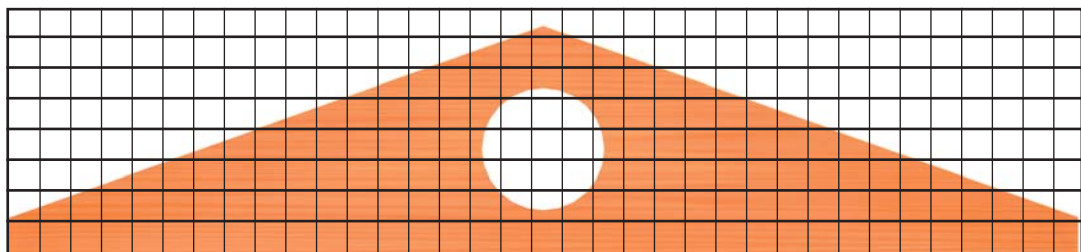
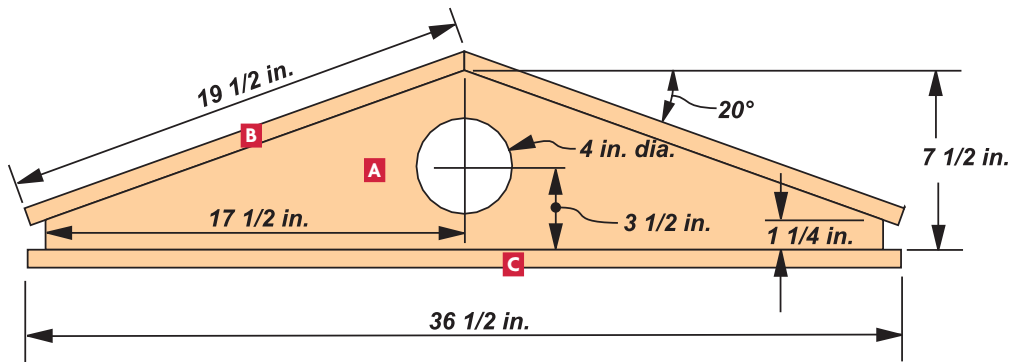
**B** 2 rake trim pieces ¾ x 1½ x 19½

**C** 1 base trim piece ¾ x 2½ x 36½

3 2½-in. coated screws

7 1½-in. coated screws

**Tools:** Circular saw, saber saw, miter box, drill, a ¾-in. and a ⅜-in. bit, screwdriver



Cap board (A)

Scale: 1 square = 1 square inch

# Palladian Pediment

**T**his pediment would make a beautiful top for your trellis. Take your time and follow the directions carefully — it's not as complicated as it might look.

Start by cutting the two arch segments (A) first. Use the arch segment diagram below to draw each one on a 24<sup>3</sup>/<sub>4</sub>-inch-long section of a cedar 1x8. Lay them aside.

Cut the hub (B) next. It's half of a 4<sup>1</sup>/<sub>2</sub>-inch-diameter circle. To make it, use a pushpin and a piece of string. Tie the string to the pin and push it into the edge of a 1x8. Measure out from the pin one half of the diameter of the circle, in this case, 2<sup>1</sup>/<sub>4</sub> inches. Mark the string at that point, and swing the arch, marking the board as you go. Use a saber or jig saw to cut the piece.

The keystone (C), or piece at the top of the arch comes next. It's 5 inches wide at the top and tapers to 3 inches at the bottom. Cut one base trim piece (E) 2<sup>1</sup>/<sub>4</sub> inches wide and 36<sup>1</sup>/<sub>2</sub> inches long.

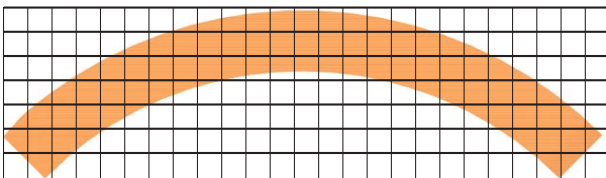
The final pieces to cut are the five spokes (D). Each one is 1<sup>1</sup>/<sub>2</sub> inches wide and 15 inches long. Cut four of them from the 6-foot 1x2 and the

fifth one from what's left of the 8-foot 1x8 that you used earlier.

Start to assemble the pediment by butting the two arch segments together, face down, with the joint centered over the keystone. Use four 1<sup>1</sup>/<sub>2</sub>-inch-long screws to fasten it, driving them in from the back so they won't show from the front. Next, center the arch on the base trim centered over the keystone. Use four 1<sup>1</sup>/<sub>2</sub>-inch-long screws to fasten it, driving them in from the back so they won't show from the front. Next, center the arch on the base trim board, as you see in the illustration. Fasten the arch to the base trim piece with one 2<sup>1</sup>/<sub>2</sub>-inch screw driven up through the base trim into each end of the arch.

Then find the center of both the base trim board and the hub. Center the hub on the board and fasten it on with two 2<sup>1</sup>/<sub>2</sub>-inch screws driven up through the base trim. With the pediment face down on a flat surface, space the five spokes evenly around the arch as you see in the illustration. Fasten them onto the back of the arch and hub using 1<sup>1</sup>/<sub>2</sub>-inch screws, two in each spoke.

Use three 2<sup>1</sup>/<sub>2</sub>-inch screws to fasten the pediment to the top of the trellis. Insert the screw from the top, screwing through the base trim board into the trellis. □



**Arch segment (A)**  
Scale: 1 square = 1 square inch

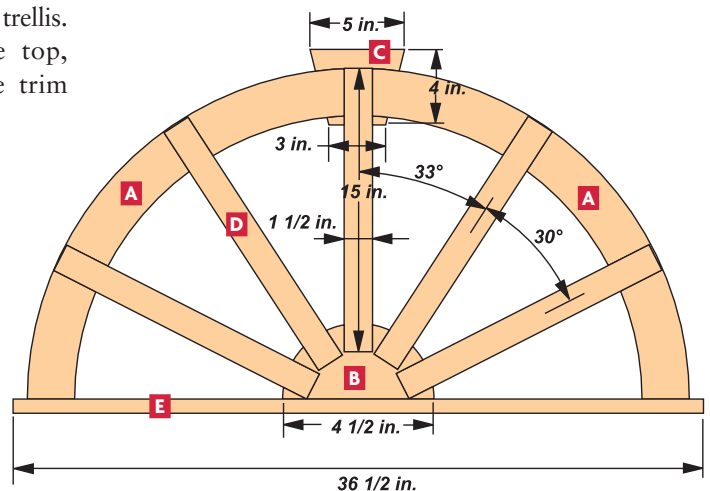


## MATERIALS AND TOOLS

### Materials:

- 1 8-ft. cedar 1x8 to make:
  - A** 2 arch segments  $\frac{3}{4} \times 7 \times 24\frac{3}{4}$
  - B** 1 center hub  $\frac{3}{4} \times 4\frac{1}{2} \times 2\frac{1}{4}$
  - C** 1 keystone  $\frac{3}{4} \times 4 \times 5$
  - E** 1 base trim piece  $\frac{3}{4} \times 2\frac{1}{4} \times 36\frac{1}{2}$
  - D** 1 spoke  $\frac{3}{4} \times 1\frac{1}{2} \times 15$
- 1 6-ft. cedar 1x2 to make:
  - D** 4 spokes  $\frac{3}{4} \times 1\frac{1}{2} \times 15$
- 7 2<sup>1</sup>/<sub>2</sub>-in. coated screws
- 14 1<sup>1</sup>/<sub>2</sub>-in. coated screws

**Tools:** Circular saw, saber or jig saw, drill and  $\frac{3}{16}$ -in. bit, screwdriver



**Back view**