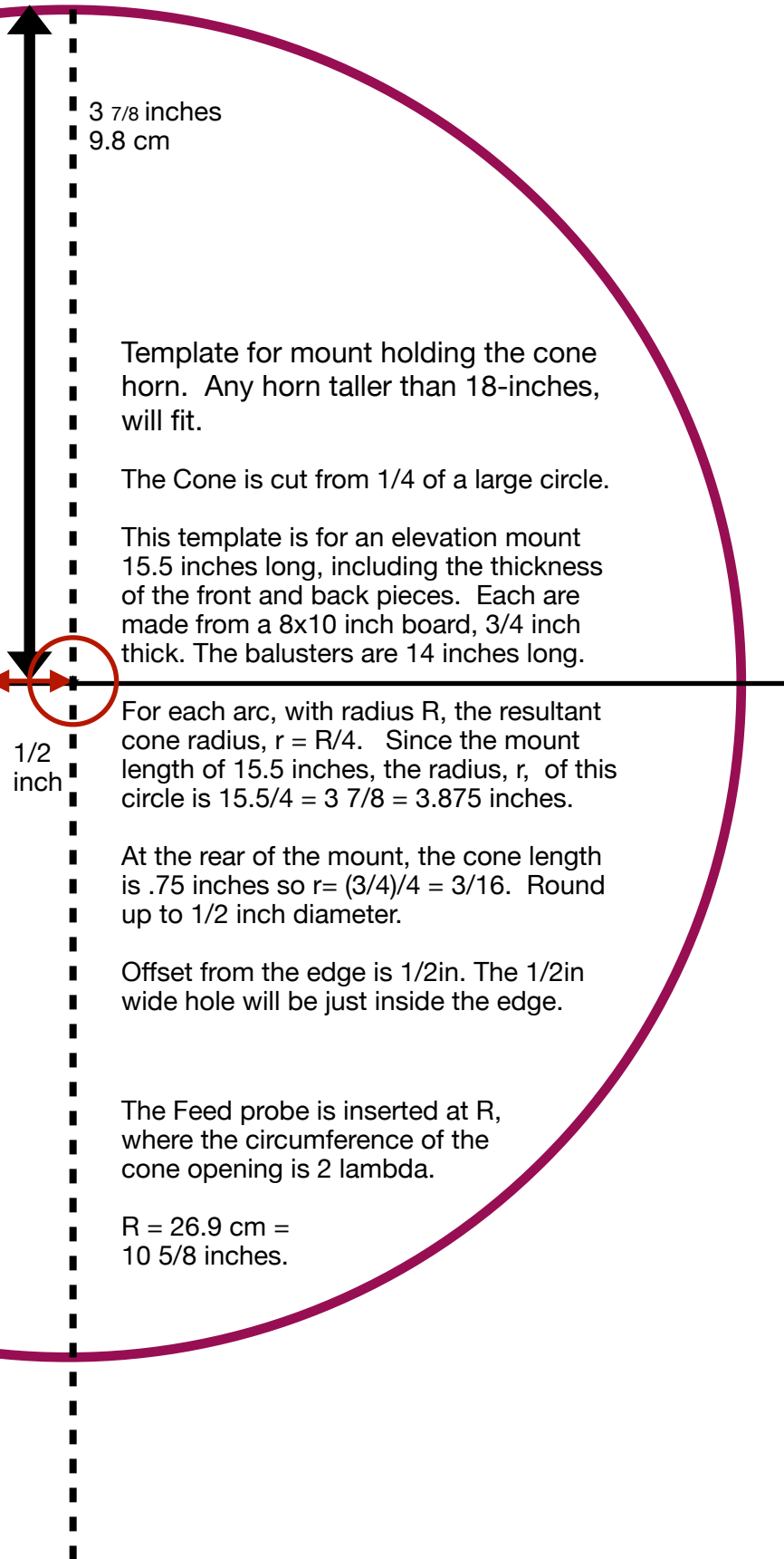


Align with the middle top of the front and rear parts of the elevation mount.



3 7/8 inches
9.8 cm

Template for mount holding the cone horn. Any horn taller than 18-inches, will fit.

The Cone is cut from 1/4 of a large circle.

This template is for an elevation mount 15.5 inches long, including the thickness of the front and back pieces. Each are made from a 8x10 inch board, 3/4 inch thick. The balusters are 14 inches long.

1/2
inch

For each arc, with radius R , the resultant cone radius, $r = R/4$. Since the mount length of 15.5 inches, the radius, r , of this circle is $15.5/4 = 3\ 7/8 = 3.875$ inches.

At the rear of the mount, the cone length is .75 inches so $r = (3/4)/4 = 3/16$. Round up to 1/2 inch diameter.

Offset from the edge is 1/2in. The 1/2in wide hole will be just inside the edge.

The Feed probe is inserted at R , where the circumference of the cone opening is $2\ \lambda$.

$R = 26.9\ \text{cm} = 10\ 5/8$ inches.