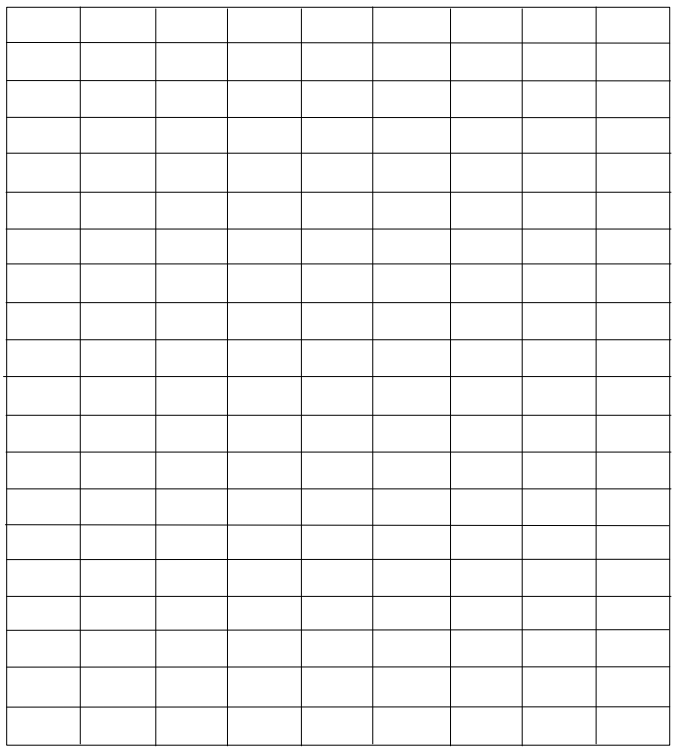
Reflector Screen

Front View dimensions before bending



Wider screens can be used just maintan angle

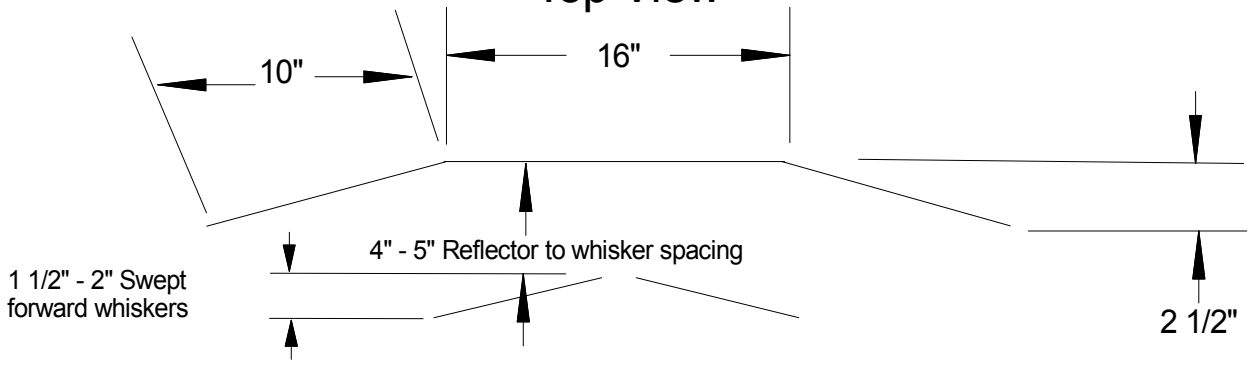
The screen must be made of metal and the wires should be no further than 2" apart vertically for best performance. 1" gives slightly more gain on upper UHF channels and greater rear rejection on all.

The vertical distance between the wires must be less than the horizontal distance.
(example 4" wide and 2" tall)

It's best not to use chicken wire and absolutely no chain link fence.

The angled reflector works best with 1 1/2" - 2" forward swept whiskers

Top View



The reflector screen can be 36" high but 40" is slightly better, the angle of the bends are critical. The reflector can be wider but the angle must be maintained. Wider screens will give slightly better gain, any width from 30" to 48" works well. Spacing can be varied from 4" to 5". For slightly better VHF-Hi performance 14" to 16" reflector spacing can be used but at the expence of some UHF band width.