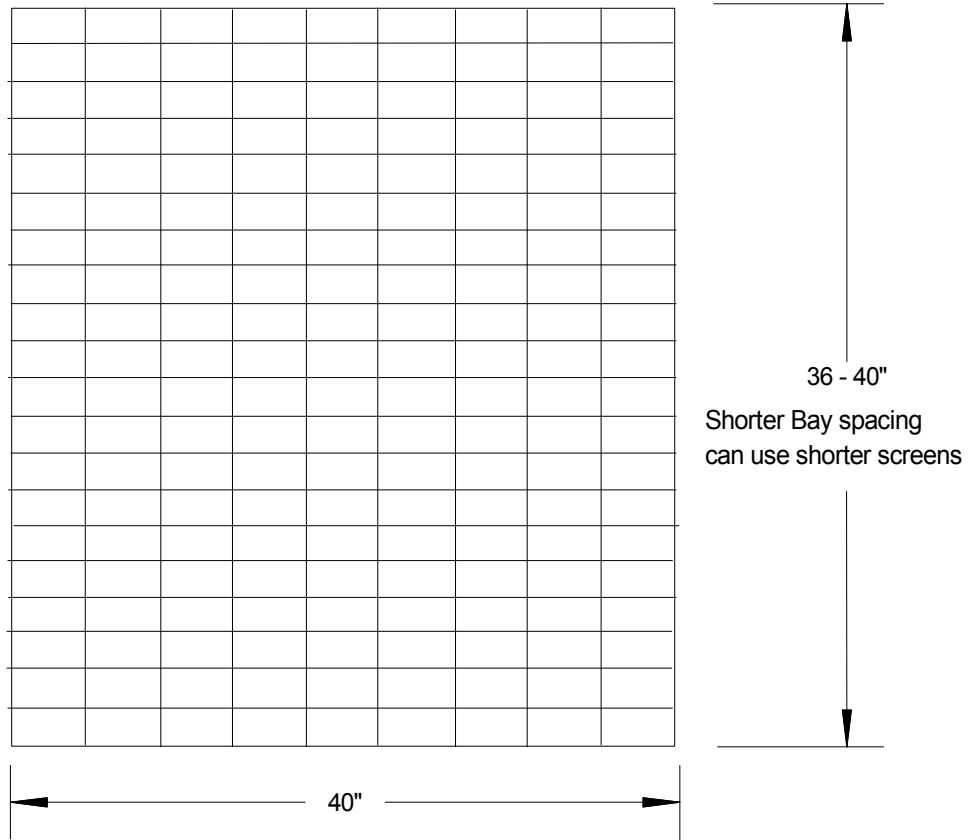


Reflector Screen

Front View Dimensions before bending



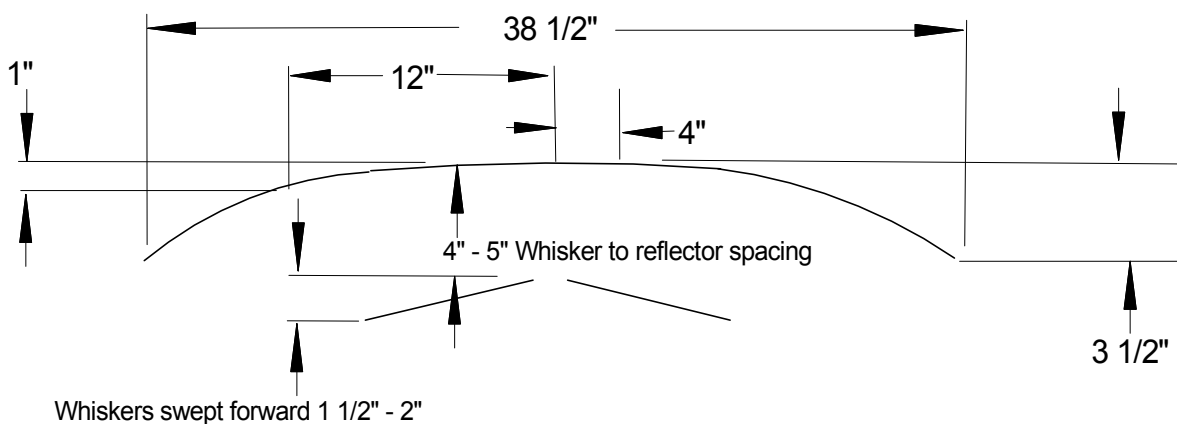
The screen must be made of metal and the wires should be no further than 2" apart vertically for best performance. 1" gives slightly more gain on upper UHF channels and greater rear rejection on all.

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 Curved reflector works best with 1 1/2" - 2" swept forward whiskers.

Top View



The reflector screen can be 36" high but 40" is slightly better. The curve is not super critical, it starts at 4" either side of center increasing to 1" at 12" either side of center. The curve should be 3 1/2" for a 40" screen, notice the steeper curve at the ends. The reflector can be wider just be sure to maintain the curve. Wider screens will give slightly better gain, any width from 30" to 48" works well. Spacing can be varied from 4" to 5" for UHF. For slightly better VHF-Hi performance 14" to 16" reflector spacing can be used but some bandwidth will be lost on UHF.