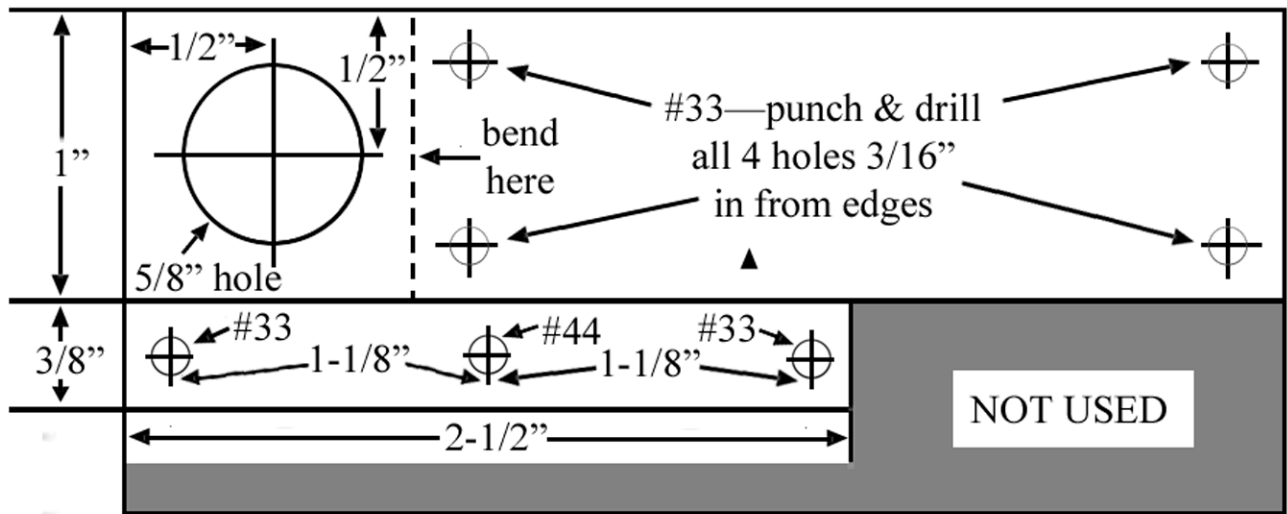


CONSTRUCTING THE FEEDPOINT ASSEMBLY

The diagram and dimensions shown below are for a copper sheet made by cutting open and flattening a 4" length of copper pipe. For better results, use copper or brass sheet available online.



1. Use the ruler and permanent marker to mark off the dimensions shown above on the sheet of copper or brass.
2. Use the hammer and center punch to make a pit where each of the holes in the diagram above will be drilled.
3. Clamp the sheet of copper or brass firmly in the bench vise and drill all the holes with the #33 drill bit except the center hole on the smaller (lower) strip. That hole must be drilled with a #44 drill bit. Also, drill the center of the 5/8" hole with either the #33 or the #44 bit, and then enlarge it by drilling it with the 1/4" drill bit.
4. If you do not have a tapered reamer, then use the 1/4" round file to enlarge the center of the 5/8" hole until the threaded end of the SO-239 or N connector fits freely through it. If you are using a through-hole connector with a retaining hex nut, no further drilling is necessary.
- 4A: If you are using a 4-hole square mount SO-239 or N connector, place it in the 5/8" hole, hold it in place and mark the locations of the 4 mounting holes with the permanent marker, mark them with the hammer and center punch, then drill them with the #33 drill bit.
5. Using a stub length of copper pipe as a form, use the lineman's pliers and gooseneck pliers to bend the copper or brass feedpoint strips into the clamp shapes shown in the photo on the right.
6. Insert the 4-40x3/4" screws through the holes as shown, and attach the hex nuts.
7. Cut a length of 12 gauge solid wire to Dimension D in diagram on page one.

