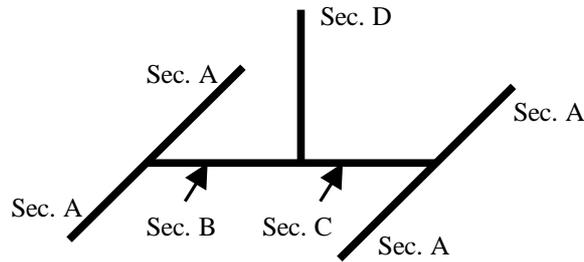


- KDØCA PORTABLE HAM RADIO ANTENNA SUPPORT - PVC BASE TO SUPPORT AN SD-20 TELESCOPING FIBERGLASS MAST

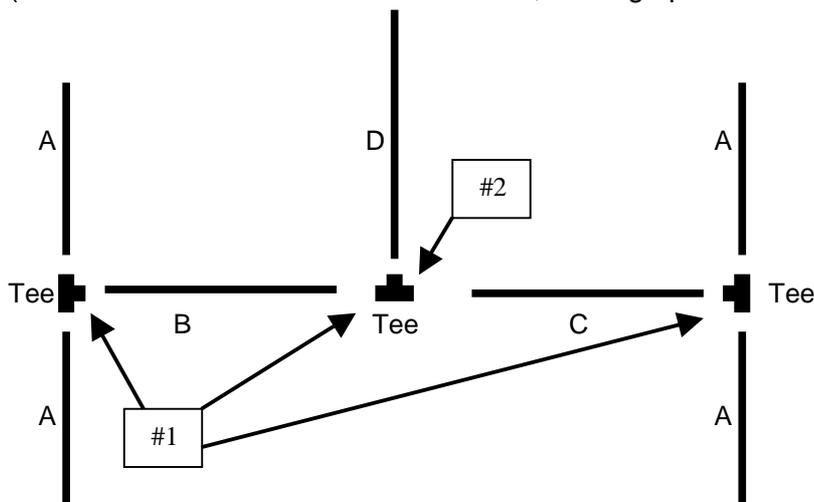


This handy support base breaks down easily for transport and storage. This is NOT intended for backpacking, but rather for RV campground picnic table operations. It visually resembles a 2 element yagi and mast placed upside down on the ground or perhaps the letter "H". There is a PVC Tee at each perpendicular junction of PVC pipes and it is all made of 3/4 inch PVC.

There are 6 pieces of 3/4 inch PVC pipe each 30 inches long to make the "yagi" and "boom" shape, plus a 42 inch long piece of 3/4 inch PVC for the vertical mast to support a Black Widow SD-20 telescoping fiberglass pole. It is designed so you can extend the SD-20, unscrew its base stopper, and then place the SD-20 OVER the top of the 42 inch vertical PVC mast.

CONSTRUCTION:

(Visualize Sec. D and its Tee as Vertical, coming up out of the page)



Pipe Sections A, B, and C are each 30 inches long.

Pipe section D is 42 inches long.

All PVC pipe and Tees are 3/4 inch ID.

Location #1 is where I drilled a 5/16 inch hole (parallel to the ground) through the Tee and through the PVC tubing that inserts into it. I inserted a 1/4 X 1 1/2 inch round head machine screw into each of these holes. I used 1/4 inch acorn nuts on the machine screws.

I also drilled a 5/16 inch hole at Location #2 and so I can insert a 1/4 X 2 inch Wire Lock Pin when assembling the support in the field.

The pieces you carry to the field portable location are 4 PVC pipes (A) each 30 long, one 30 inch pipe (B) with a Tee affixed to both ends [remembering that the Tee where Section D plugs in is perpendicular to the ground], one 30 inch pipe (C) with a Tee on one end [parallel to the ground], and one PVC pipe (D)

To assemble the support structure, first put together sections B and C, insert the wire lock pin, and close the locking wire over the top of the Tee so the pin can't fall out. Next insert (twist-and-push) the 4 "A" section pipes into the Tees on the ends of the structure. Last insert section "D".