

WOODEN SLIM JIM 2-METER, END-FED, FOLDED MONOPOLE

INSTRUCTIONS

PROCURE, the following:

[Maybe you, or your "Elmer" already have these in your/his garage?]

1. Purchase a "one-by-two" pressure treated piece of lumber, eight-feet long (96"). They will show you how to cut it to six-feet or less (66-1/2" min.). (From Lowe's, Home Depot, or a local, well-stocked Hardware Store.)
2. Purchase 12-feet of #14 THHN solid copper, insulated house wire. (Single strand, not "Romex") If you have Romex on hand then strip-out a single wire.

CONSTRUCTION

1. Begin by measuring-off and marking the hole locations on the "thin side" of the stick.
2. Drill 1/4 hole through, as shown on the drawing.
3. Drill 3/16" holes through, in 4-places, as shown on the drawing.
4. Uncoil the #14 wire, and stretch it straight.
5. Beginning at one end of the wire, remove the insulation for 36". Leave the insulation on the remaining wire.
6. Thread the wire through the top and bottom holes in the stick. Secure with electrical tape, zip ties, or duct tape.
7. Prepare a length of RG-58, or RG-8X, with appropriate connector on one end.
8. Carefully remove 4" of the outer jacket from the un-connector end.

MATCHING

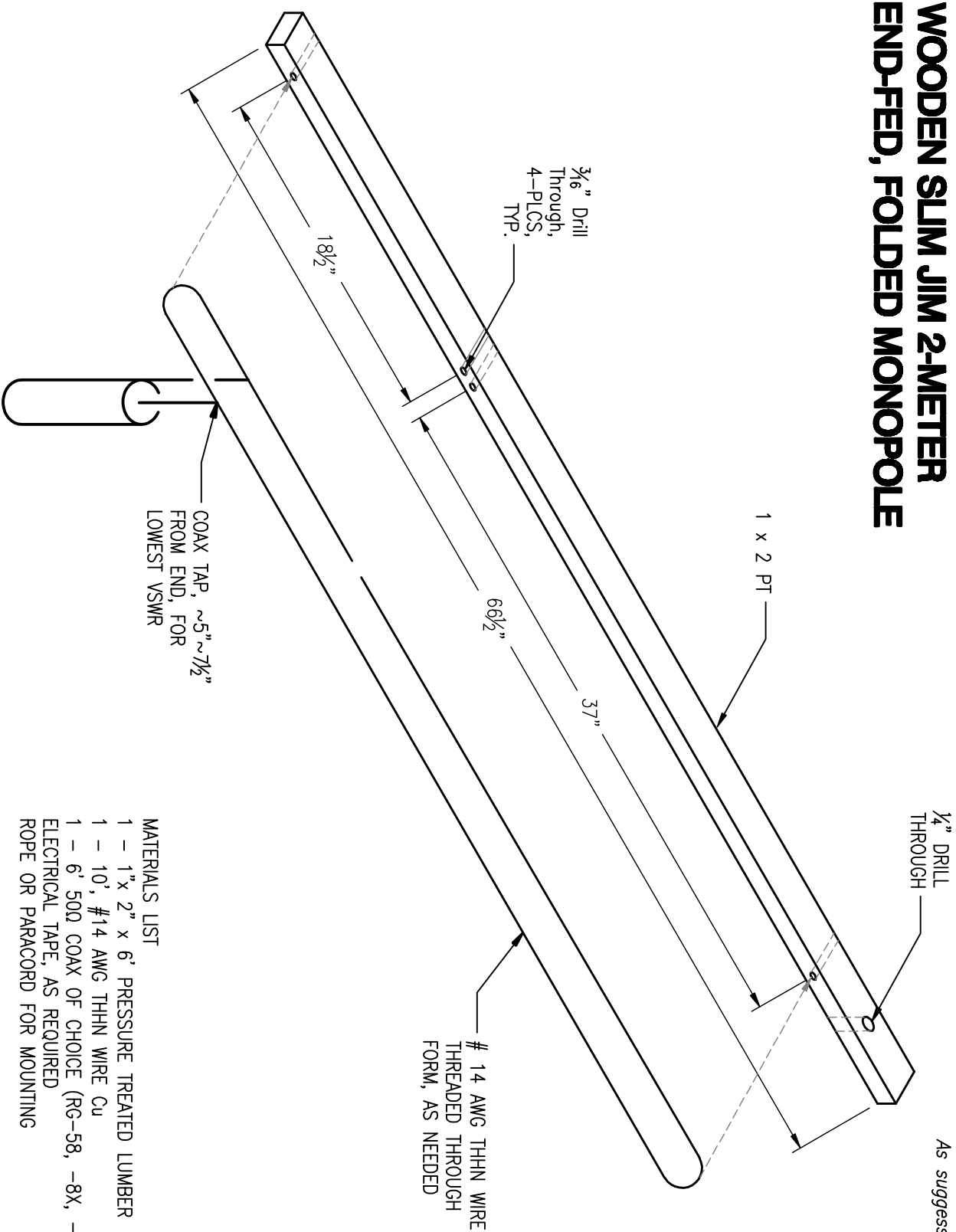
1. Using an antenna analyzer or an SWR meter (with very short connections);
2. Run the connection up and down the matching section, keeping them even.
3. 1:1 VSWR (or nearly) will be quickly found, often about 7" from the shorted end.
4. Mark this locations.
5. Solder the coax to this location: The CENTER CONDUCTOR must be soldered to the longer side; the shield going to the matching stub.

WATERPROOF

Waterproof the prepared coax and soldered joints.

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As suggested by KX4Z



- MATERIALS LIST**
- 1 - 1" x 2" x 6' PRESSURE TREATED LUMBER
 - 1 - 10', #14 AWG THIN WIRE Cu
 - 1 - 6' 50Ω COAX OF CHOICE (RG-58, -8X, -8)
 - ELECTRICAL TAPE, AS REQUIRED
 - ROPE OR PARACORD FOR MOUNTING

n1xp

PART#: XP-1
DESCR: 2-mtr Folded Dipole
MATERIAL: PT Lumber
DATE: 2019-05-17

PROJECT NUMBER
DRAWING NAME

YCARC #1
"SLIM JIM"