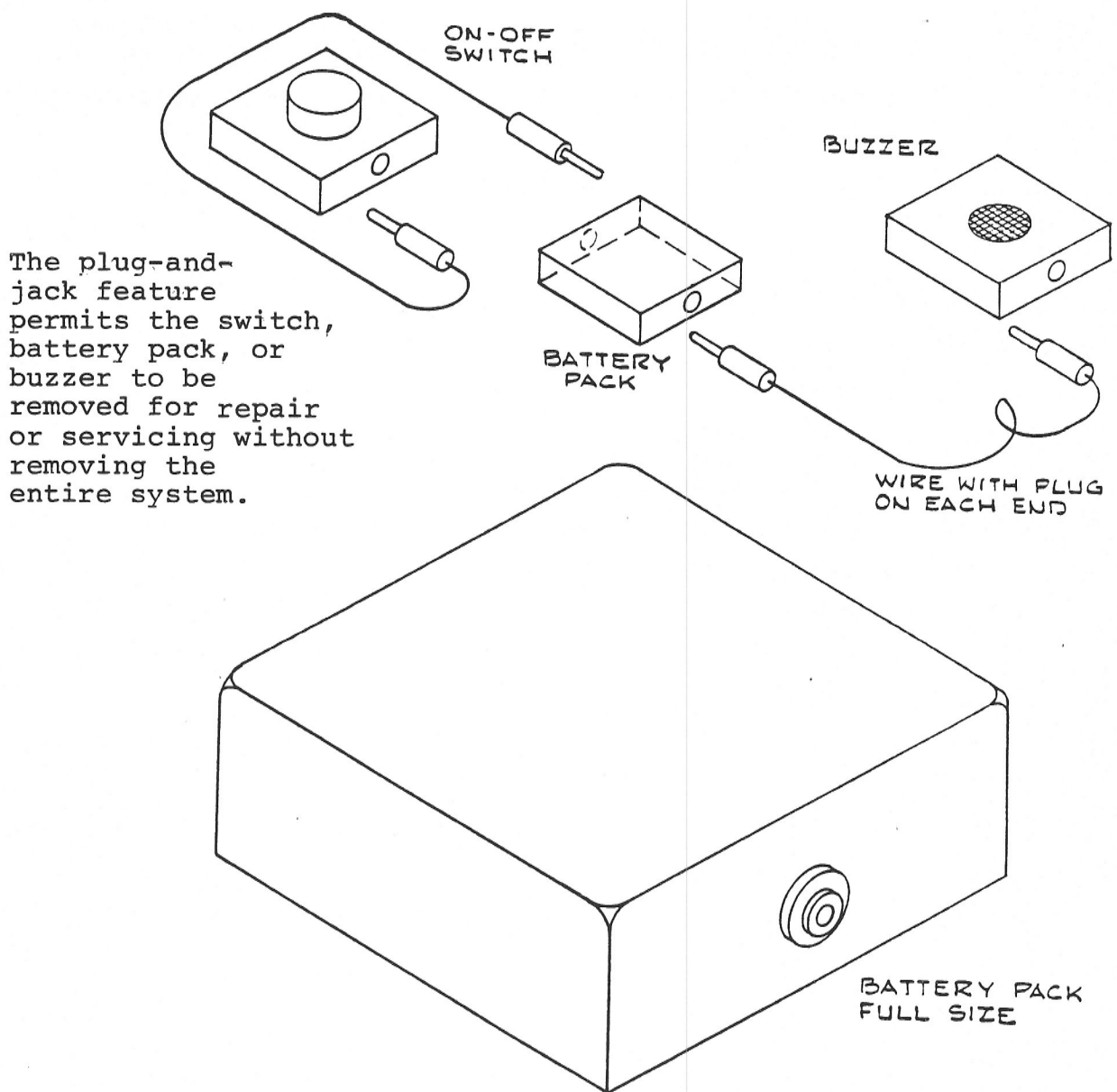


SIGNALING SYSTEM BATTERY PACK

This is a signaling system to be used by a Lekotek child in her room to alert a parent in an adjoining room. The system consists of an on/off switch with a jack, a connecting wire with a plug on each end, a 9-volt battery pack, another connecting wire with a plug on each end, and a buzzer with a jack.

This plan explains the system and details the battery pack. Use Plan #8 for making the on/off switch, Plan #9 for making the two connecting cords with plugs on each end, and Plan #10 for making the buzzer box.



SIGNALING SYSTEM BATTERY PACK

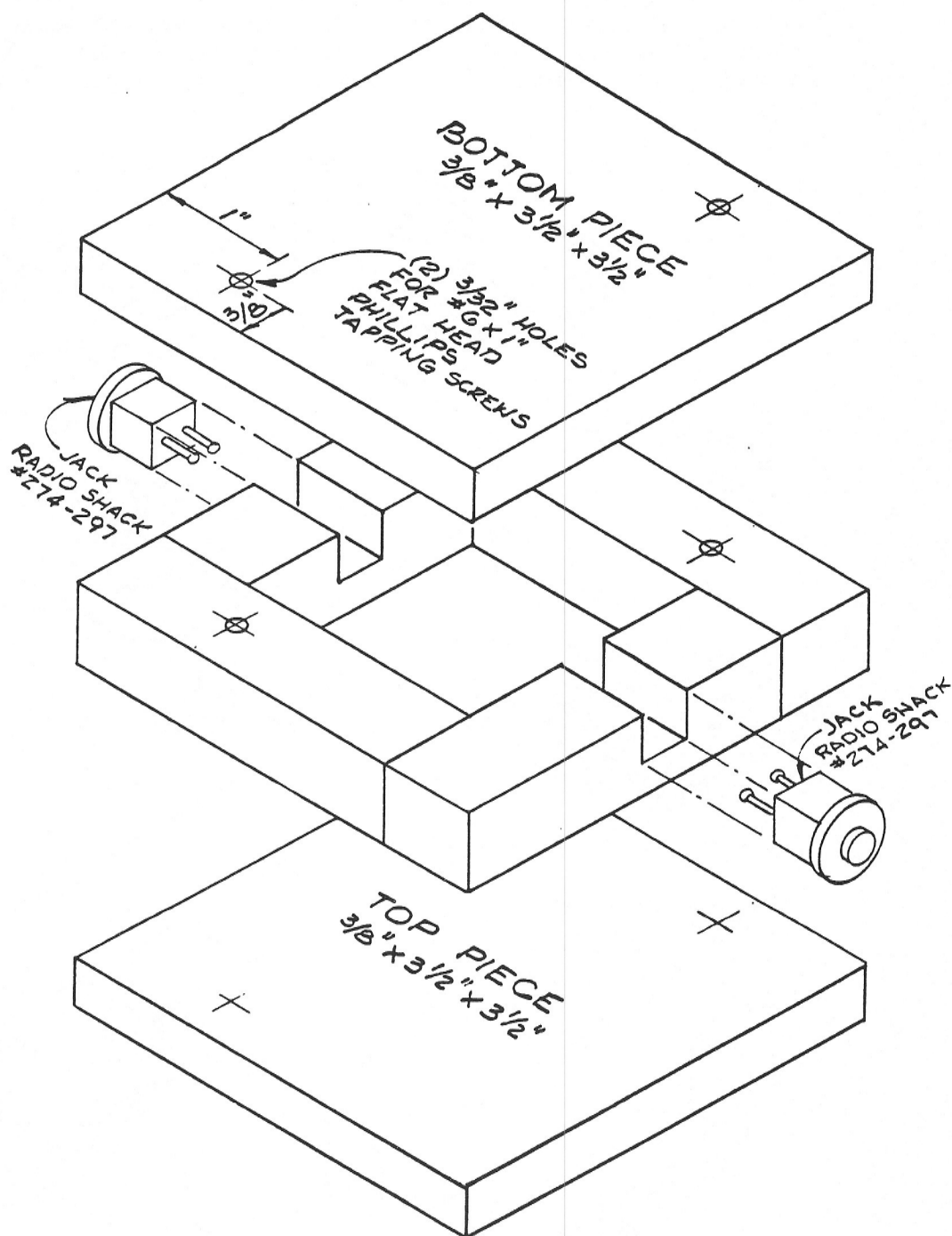
Materials needed:

- 2 pieces of wood: $3\frac{1}{2}$ " x $3\frac{1}{2}$ " x $\frac{3}{8}$ "
- 4 pieces of wood: $2\frac{3}{4}$ " x $\frac{5}{8}$ " x $\frac{3}{4}$ "
- 2 jacks: Radio Shack #274-297
- #20 gauge wire: Radio Shack #278-1307
- 2 9-volt batteries
- 2 4-volt battery snaps (caps) #270-325
- 2 flat-head Phillips tapping screws: 1" x #6
- 4" x 4" x $\frac{3}{16}$ " sponge rubber, cut into pieces as described on drawing (to hold battery snug)
- Varathane or equivalent enamel in a bright color
- 1" x #17 wire brads
- Elmer's Carpenter Glue

Tools needed:

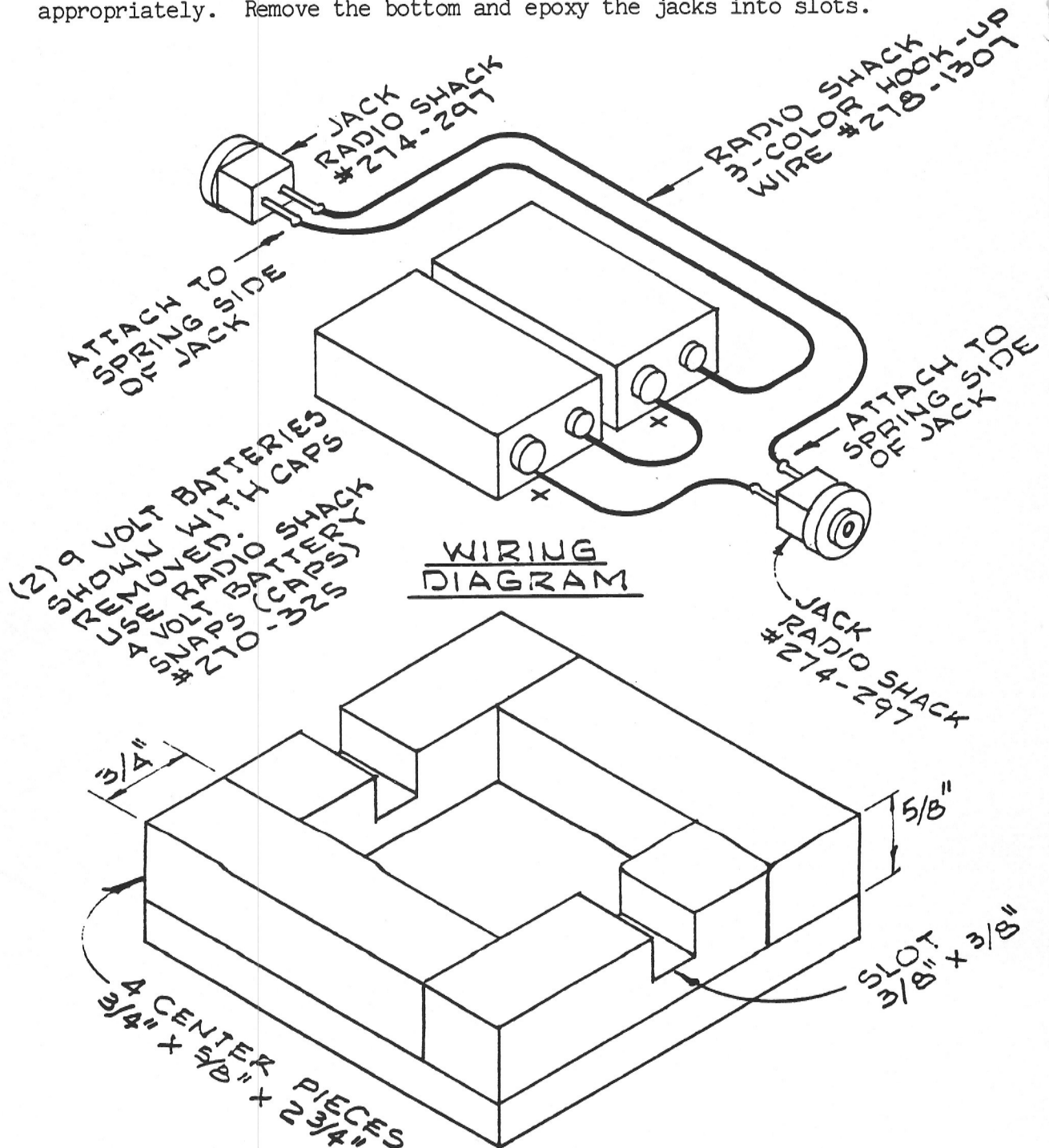
- Table saw
- Sander
- Fine sandpaper
- Small soldering iron
- Electric drill and set of drill bits
- Hammer
- Ruler
- Square
- Brush

SIGNALING SYSTEM BATTERY PACK



SIGNALING SYSTEM BATTERY PACK

Out four center pieces to size. Apply glue and use $\frac{1}{2}$ " x 16 brads to assemble on top piece. Saw $\frac{3}{8}$ " x $\frac{3}{8}$ " slots centered between the sides. Drill holes for the screws and screw the bottom in place. Sand overall and round the corners. Paint appropriately. Remove the bottom and epoxy the jacks into slots.



With the jacks in place, solder the wires to the leads in the jacks as shown. Out $\frac{1}{8}$ " or $\frac{3}{16}$ " thick sponge rubber into one piece $\frac{3}{4}$ " x 2" and one piece 2" x 2" and use these to snug the 2 wired batteries into place in the hollow of the battery pack box. Screw on the bottom piece.