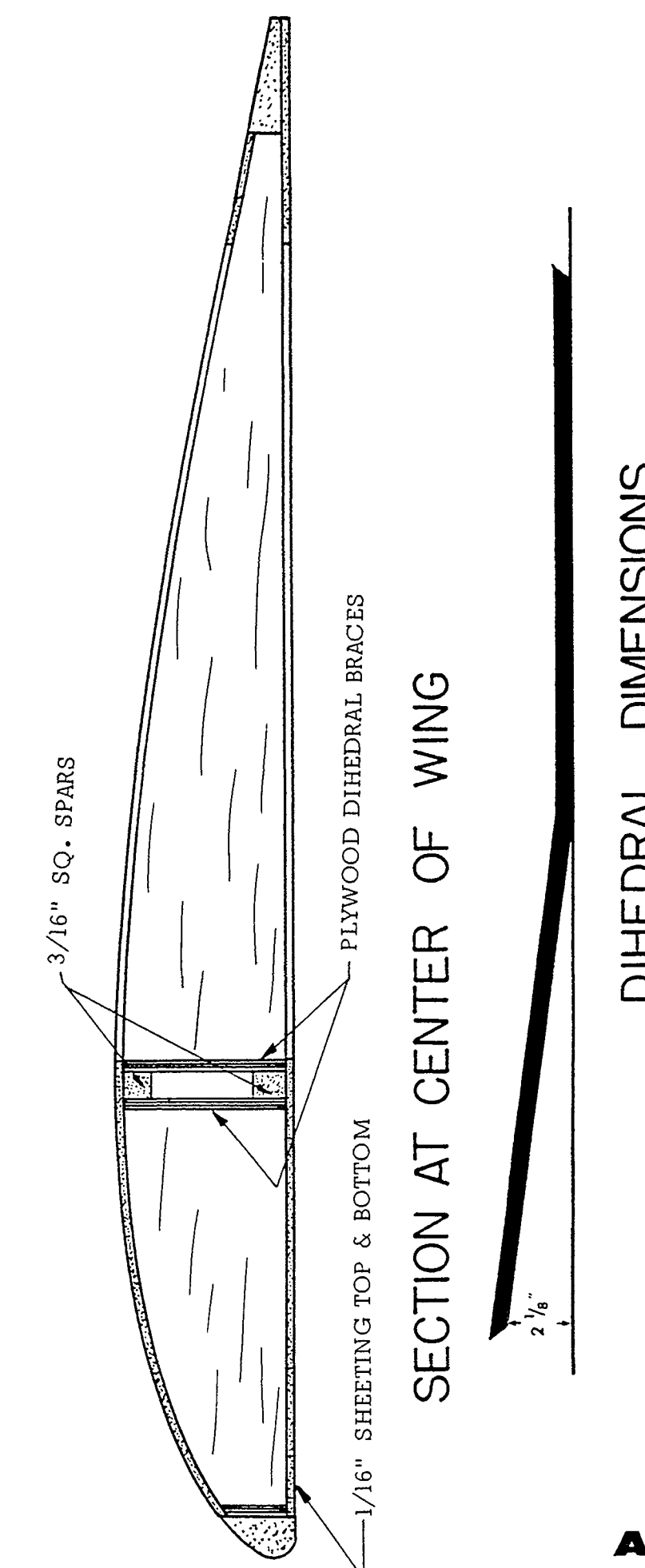
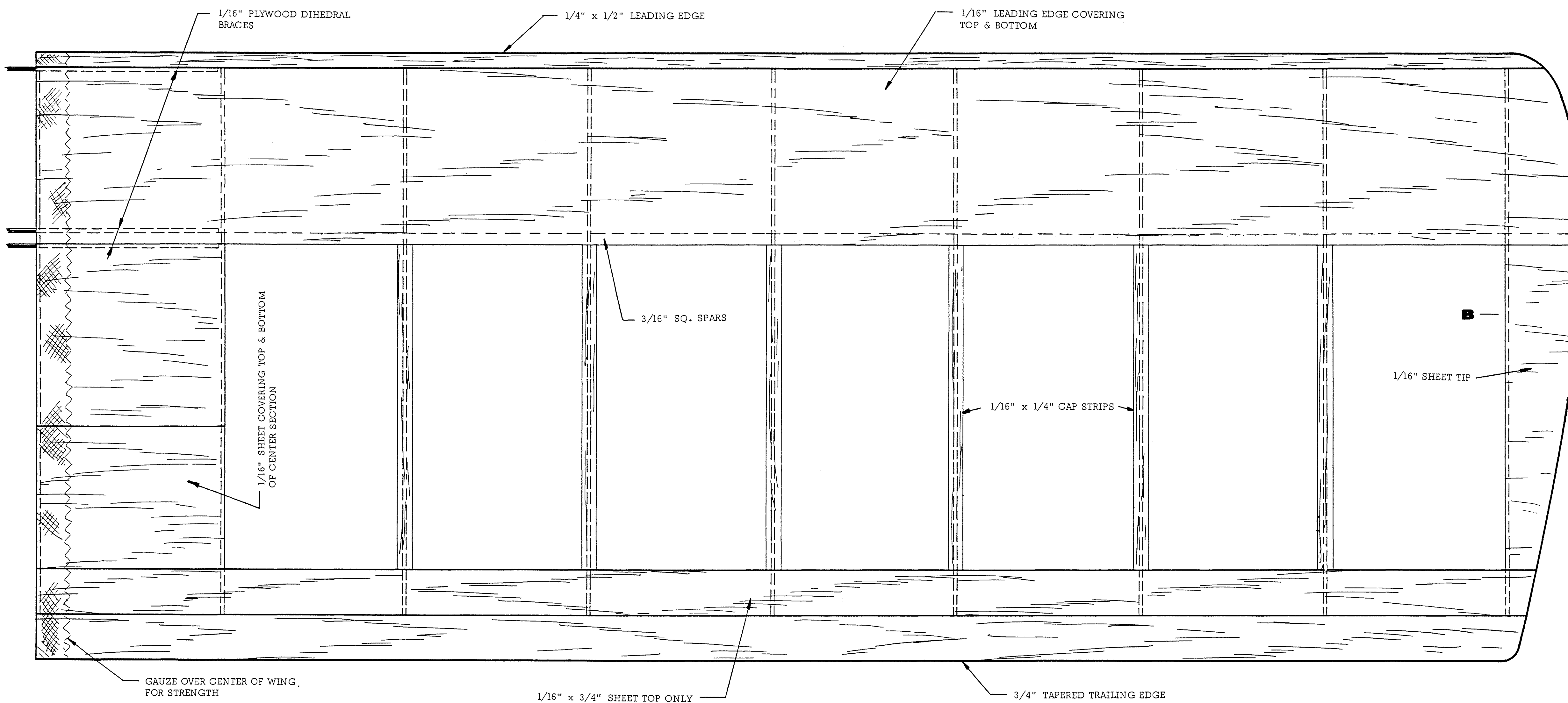
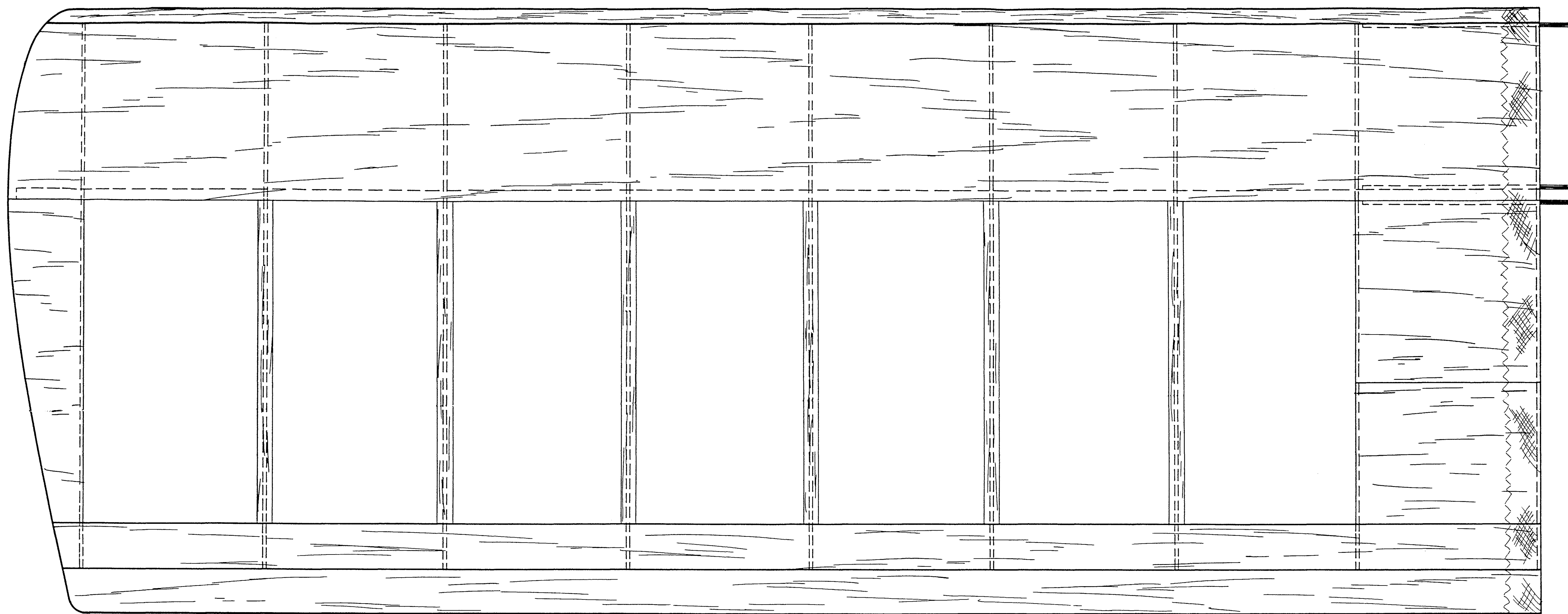
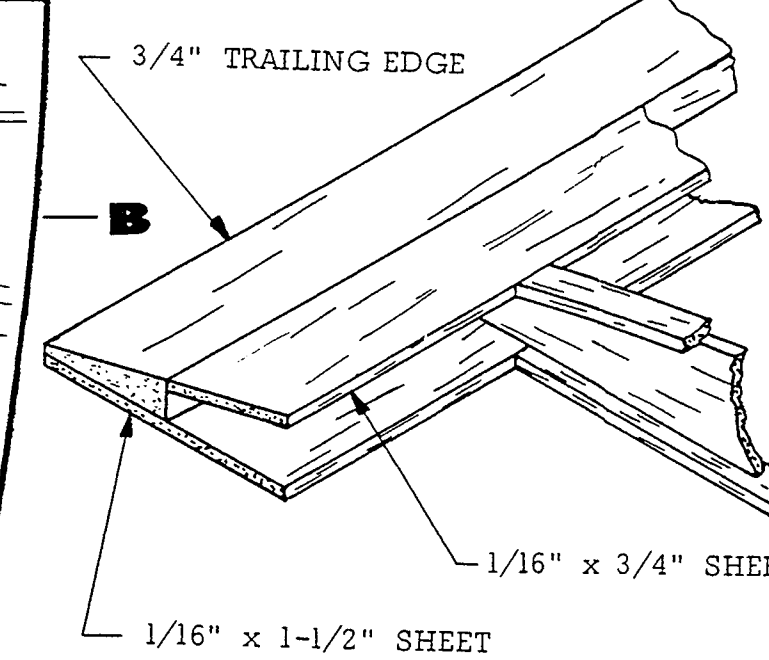
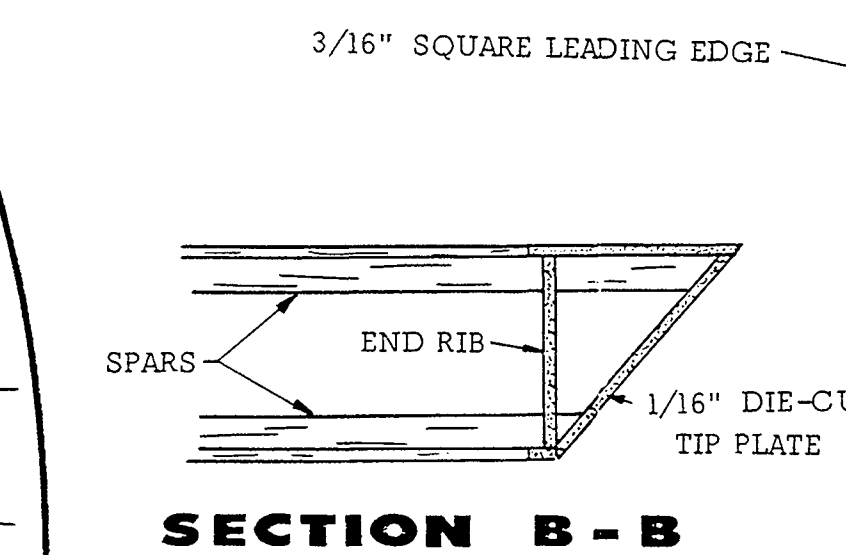
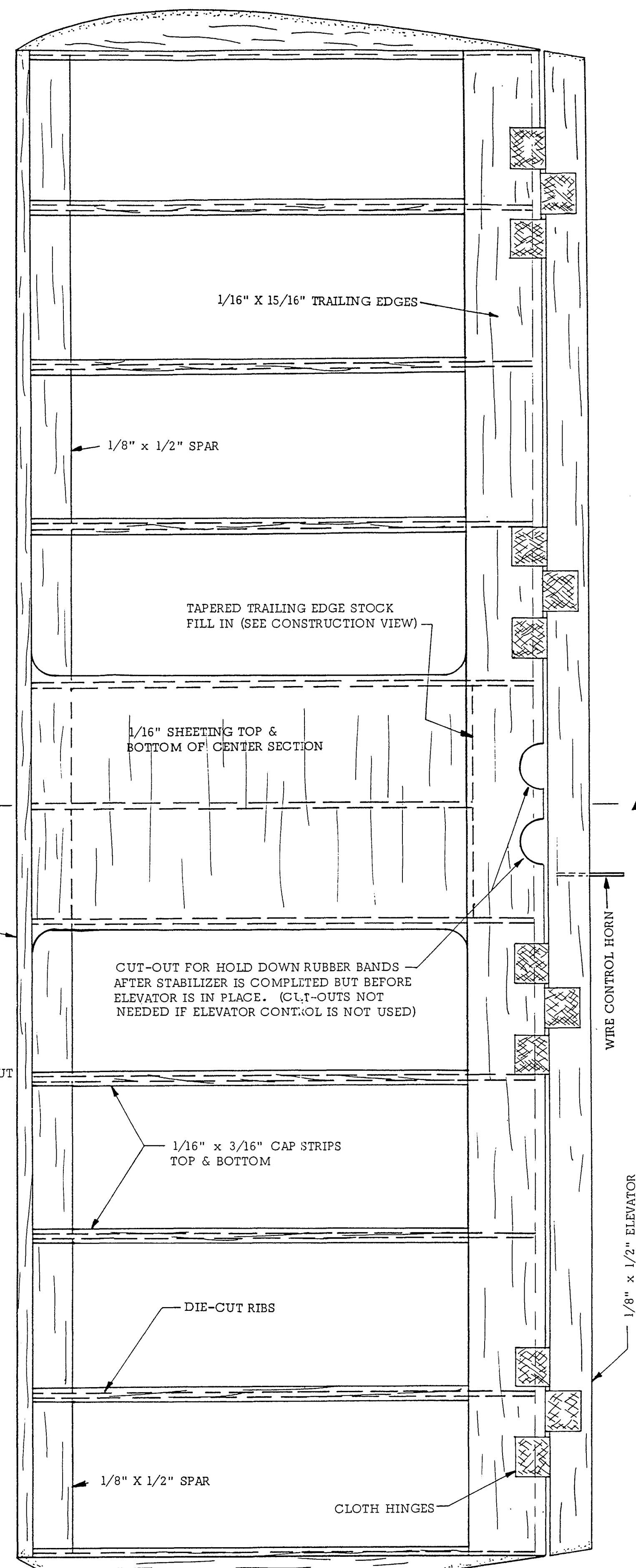


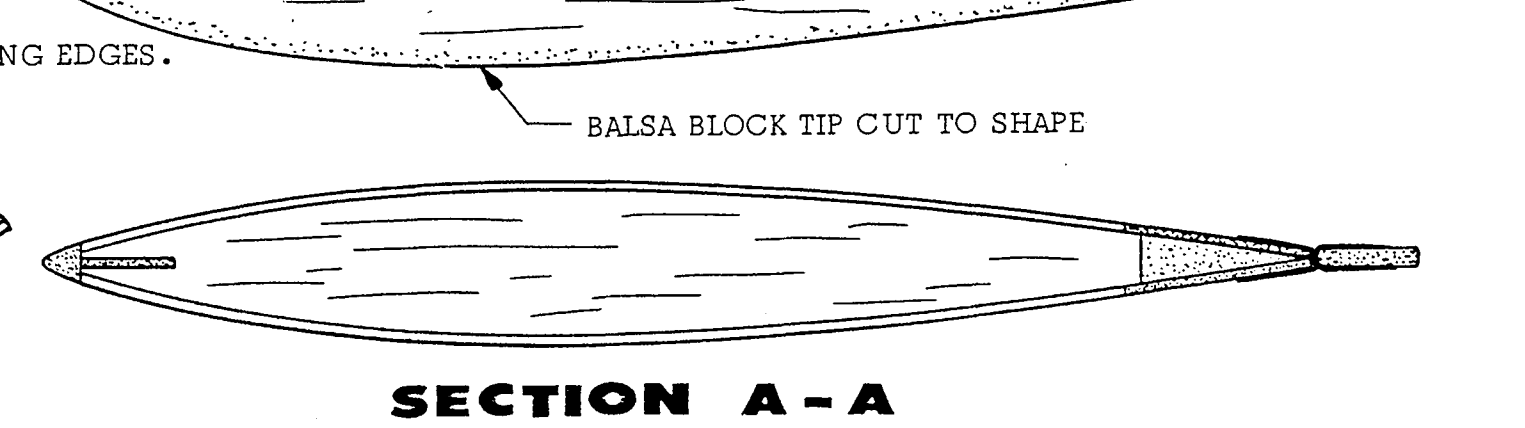
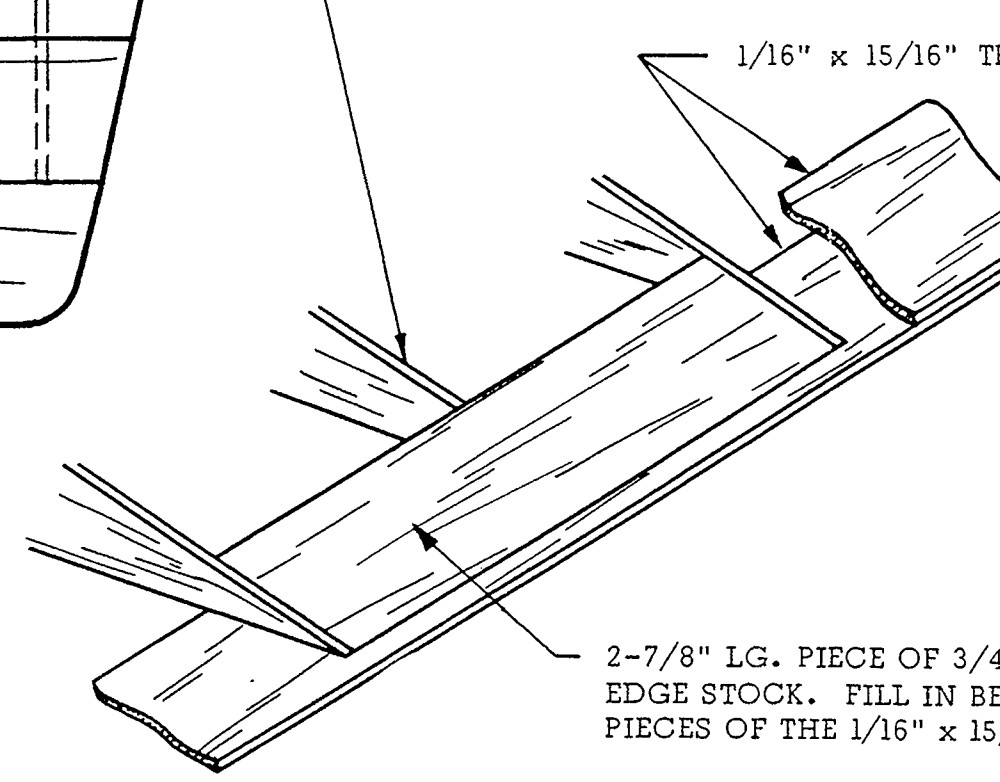
TRI-SQUIRE
DESIGNED VINCENT MICCHIA RADIO CONTROL MODEL
DRAWN DON HARDY & J.C. SMITH
APPROVED J.A. MIDWEST PRODUCTS COMPANY HOBART, INDIANA



DIHEDRAL DIMENSIONS



CENTER RIB OF STABILIZER CUT SHORT AT REAR AS SHOWN



FUSELAGE

- Build two frames from 1/8" x 1/2" balsa on shaded area of side view. Add 1/8" doubler at front of frames leaving space between back of doubler and frame for former No. 3.
- Build former No. 5 out of two die-cut halves strengthening it with 1/8" x 1/4" strips running crosswise on back of former (Top and Bottom).
- Assemble formers 3, 4 and 5 and hardwood gear mount between frames as shown on fuselage plan. Check to make sure assembly is lined up and square. Set aside to dry.
- Build fuselage sides by gluing two sheets of 3/32" balsa together and trimming to shape of plan side view. BE SURE TO USE TEMPLATE (BELOW SIDE VIEW) FOR STABILIZER CUT-OUT. Glue rear doublers (shaded area @ rear of side view) in place as shown.
- Glue sides to frame assembly joining at the rear with spacer block between them. Build formers 6, 7 & 8 on plans and assemble in place. Add 1/8" die-cut gussets on inside in back of former 5.

- Add hardwood mounts, plywood firewall, fuel tank, nose wheel, formers 2, 3A and 1/16" top nose sheeting. Bottom between firewall and former 3 is built up from two blocks 5/8" x 1-5/8" x 5" and trimmed to smooth shape. 1/4" sheet bottom is added front and back of hardwood landing gear mount as shown on side view. Add 1/16" sheet bottom.
- Mount escapement to 1/8" plywood former No. 4. Install torque rod without yokes. (Yokes are soldered to torque rod after assembly is complete). Add eyelets, yokes and solder washers in place as shown on side view.
- After this has been completed and escapement winders have been installed, (if needed) cover top of fuselage with 3/32" sheet. Add rudder and fin.
- Shape 1/8" plywood front wing rubber hooks and cement in place. Add scrap wing stop on top engine mount and glue cowling blocks in place and shape as shown.

- Add all dowel rods, landing gear, wheels, side windows and windshield.
- STABILIZER**
Pin down bottom strip of trailing edge (1/16" x 15/16" x 19") on plans. Add ribs (center rib is cut short at rear) front spar & leading edge. Glue short piece of trailing edge stock in place between center section ribs & add top 1/16" x 15/16" x 19" piece. Add elevator with cloth hinges.
- WING**
Pin 1/4" x 1/2" leading edge to plans. Glue 1/16" x 3" bottom covering to leading edge. Pin down 1/16" x 1-1/2" trailing edge sheet. Glue in 1/16" x 1/4" bottom cap strips. Glue into position 3/16" square bottom spar. 3/4" tapered trailing edge is now cemented in place on 1/16" x 1-1/2" trailing edge sheet. Cement all ribs in position except center rib. Glue top spar in place. When both wing sections are thoroughly dry add wing tip assembly. Pin one wing panel

- to bench. Block up 2 1/2" dihedral in other panel and cement together with dihedral braces. Glue in 1/16" x 3" leading edge covering and 1/16" x 3/4" trailing edge top sheet. Fit and cement 1/16" x 1/4" cap strips also top and bottom center sheeting.
- COVERING AND FINISHING**
Sand model with fine sand paper making sure all surfaces are smooth. Cover with tissue provided and apply three coats of Midwest clear dope. Apply two coats of Midwest color dope. (Spray if possible.) Brush on one coat of Midwest Green Label Fuel Proofer to make model fuel resistant and give it that added gloss.
- *FLYING THE TRI-SQUIRE***
Check your model for warps making sure all warps are removed. Locate the C/G of your Tri-Squire. It should fall within 1/2" of the C/G on plans. Add ballast to correct if necessary. Check out radio receiver carefully following manufacturers recom-

- mended check out procedure. Recheck with engine running. Pre flight receiver checks are vitally important - don't "goof". Select calm weather for first flight. Test glide over tall grass. Tri-Squire should glide straight in a flat glide. Make slight rudder adjustment by binding yoke if necessary. If model stalls or dives in test glide add shim to stabilizer to correct. Plug venturi of engine for steady running in all flight altitudes. A 10-3 Tornado prop gave excellent results on K&B 15. Now you are ready to fly. Start engine and adjust needle valve for steady slightly rich running. Turn on receiver and transmitter and check rudder & elevator action. If action is positive you are ready to launch. If not, stop engine and recheck receiver. If everything is OK launch (don't heave) Tri-Squire from a run. Let Tri-Squire gain altitude before attempting turns. Make turns gradually by pulsing transmitter. Observe flight tendency on neutral rudder carefully and correct if necessary by readjusting engine thrust. Keep ship upwind when flying. After engine cuts, circle model downwind to make landing pattern.

STABILIZER TRAILING EDGE STOCK FILL IN CONSTRUCTION VIEW

TRI-SQUIRE

RADIO CONTROL MODEL

MIDWEST PRODUCTS COMPANY, HOBART, INDIANA

