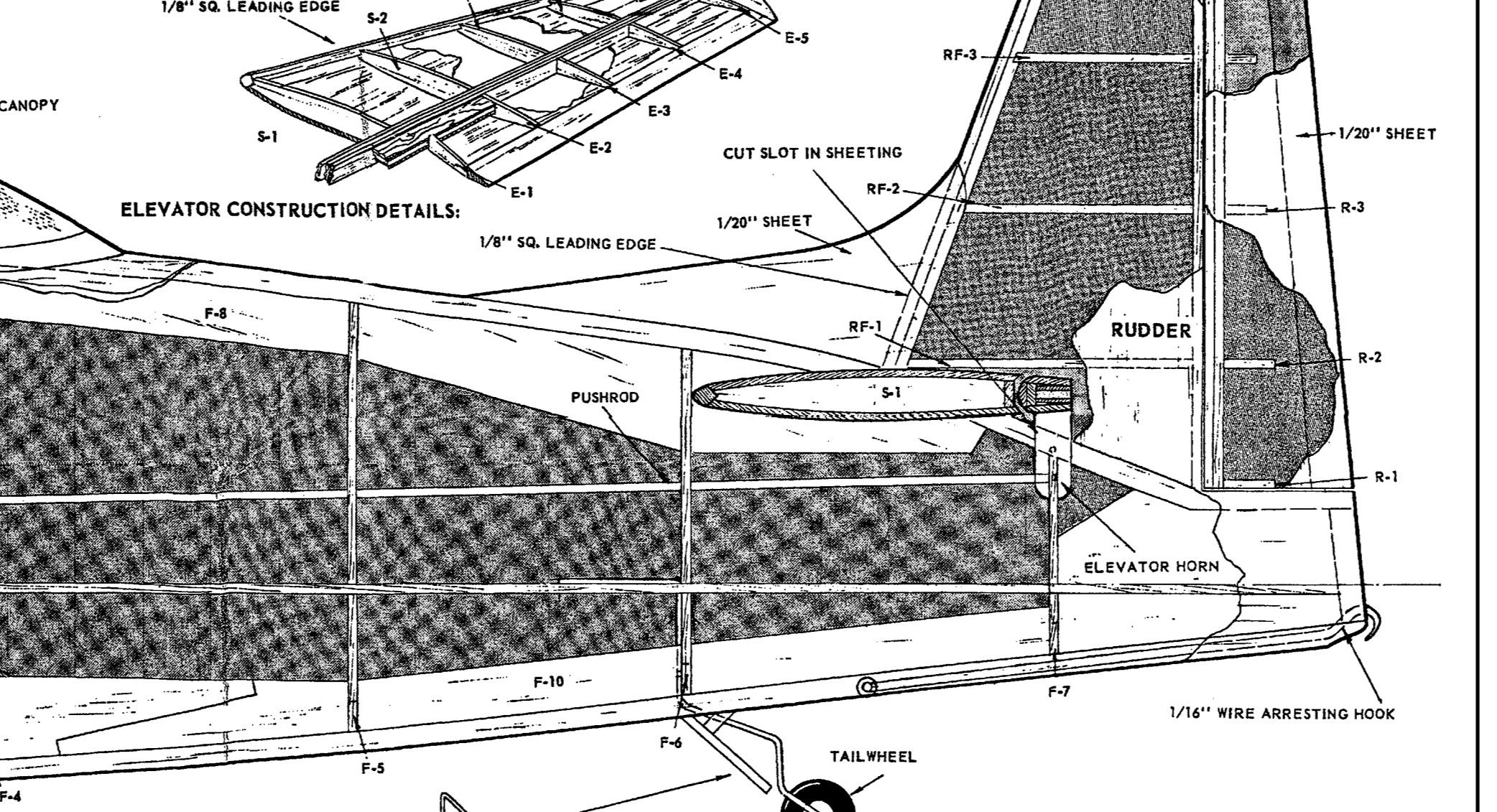
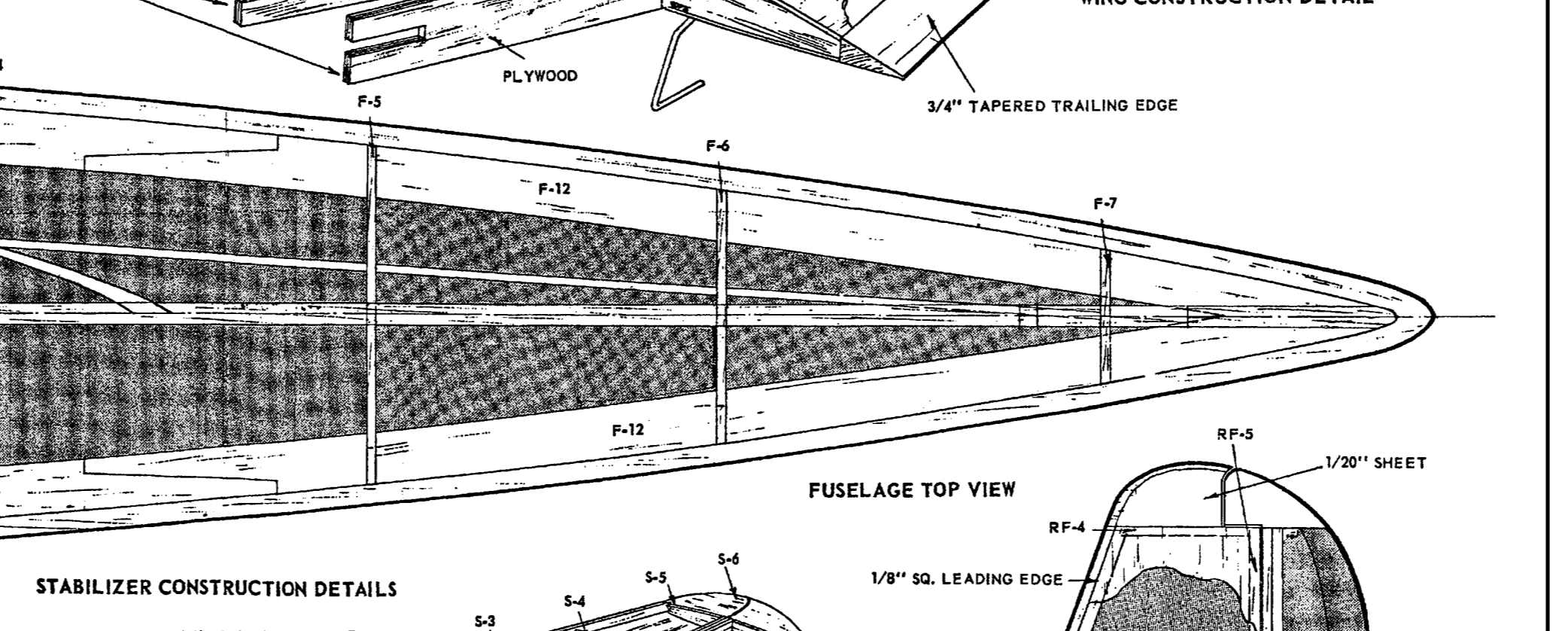
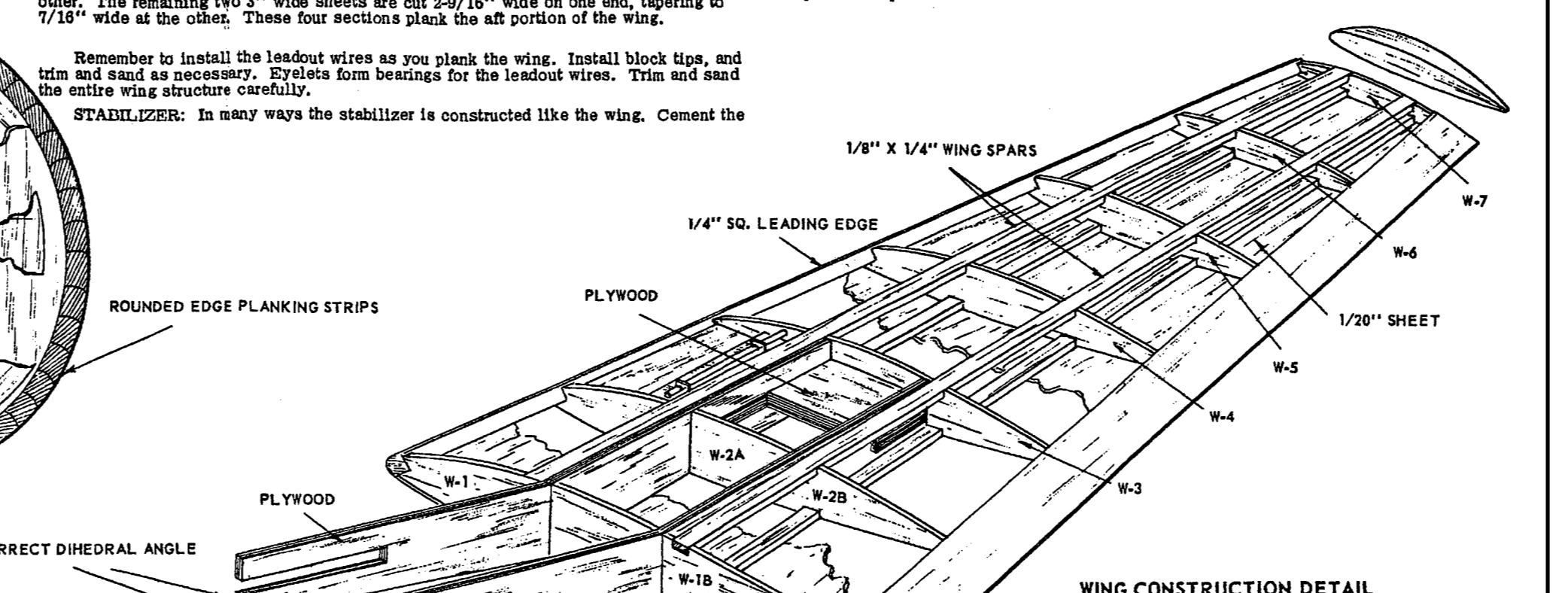


The P-8-F "Bearcat" was in its day, the World's fastest climbing airplane. It is also a wonderful toy in model form. This model has been designed so that it will be easy to build, and quickly assembled. Study the plans carefully, and remove dust spots from the sheet. Group parts according to size, shape, etc. Be sure to assemble as you assemble.

WING CONSTRUCTION: Start construction with the wing, as it must be installed in the fuselage as an early stage. Note each rib is equipped with legs to hold it level over the plan, and pin to prevent movement. The tapered trailing edge is now connected in place, and aligned centrally to insure the proper airfoil.

Once each rib of the structure has been installed, it must be removed from the plan, and the opposite panel assembled in like manner. At this point it is wise to remember that the plywood gear mounts will have to be installed before the structure is drawn out to the full length. Lay the plywood spars together, one short and one long. Remember to make a right angle cut in the 1/2" hole where each rib is to be attached. This hole is for the leading and trailing edge and will be used as a guide in the final assembly. The plywood spars are now ready to be placed in place. This provides a straight length for the plywood lead to connect to. As the bottom spar is added, it is treated in like manner. The two tapered trailing edges are now ready to be placed in place, and allowed to dry well. Once again, test fit the opposite panel to check the dihedral angle. Remove all lead and glue, with cement to fill the pores. After the plywood gear mounts have been carefully fastened, and verified to meet the leading edge, cement each in place, checking position with the forward plywood gear in place. The panel may now be permanently joined, with the forward die-cut plywood gear in place, but not cemented in yet. This will permit the panel to be joined by the glue as a slight angle. When very thoroughly dry, the forward gear may be cemented in place, together with the gear horn. 1/2" hole in the gear horn may be cemented in place.

The gear wire is now installed. Slip sleeves into place in the spade bolts, so as to act as a ballast, and pass gear wire through. Fasten spade bolts in place with nuts and washers. Care will be taken to correct them from loosening. Use a thin small piece of die-cut plywood as a support. An external wire band is used around the gear horn and the gear horn, and probably fill in remaining area below to meet the bottom center of the airfoil with a piece of wire. An external wire band is used around the gear horn and the gear horn, and probably fill in remaining area below to meet the bottom center of the airfoil with a piece of wire. An external wire band is used around the gear horn and the gear horn, and probably fill in remaining area below to meet the bottom center of the airfoil with a piece of wire.



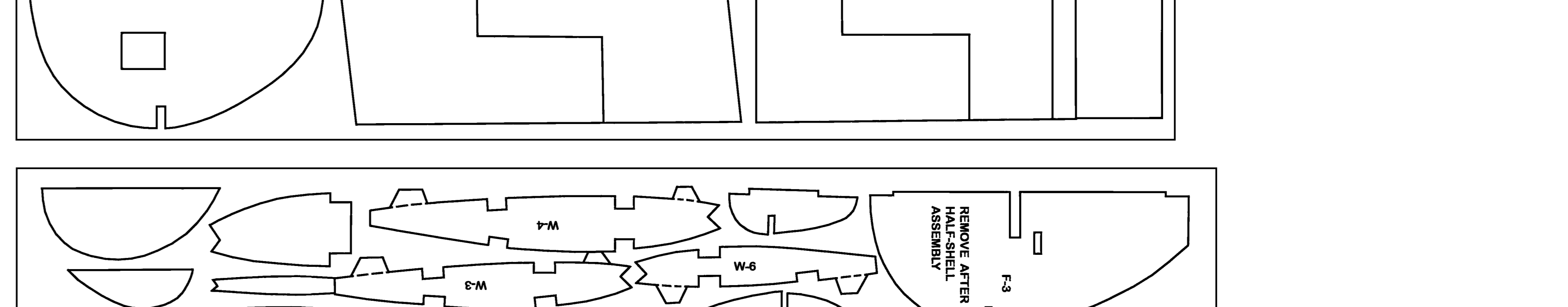
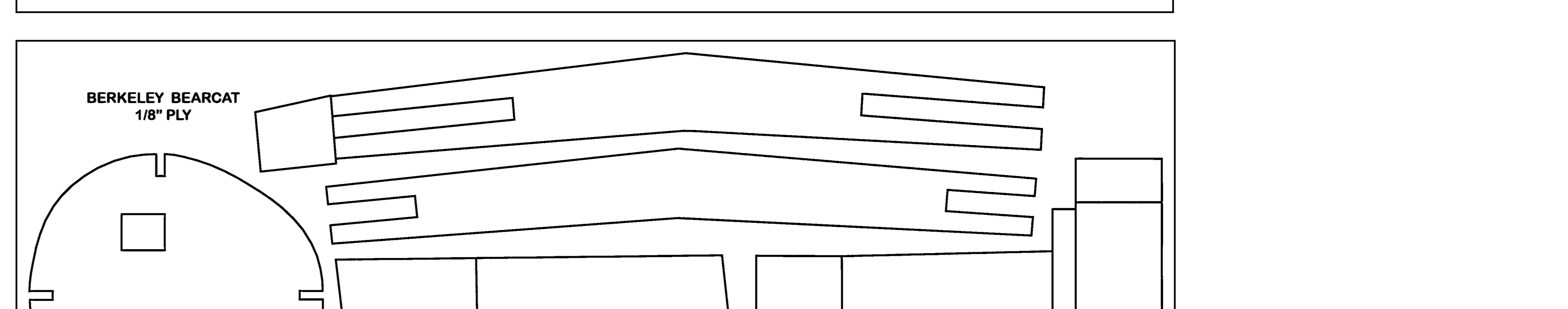
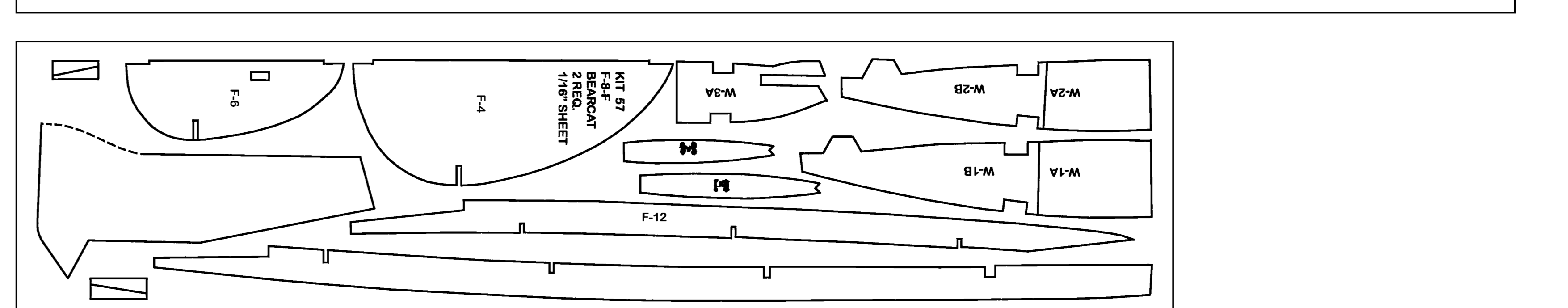
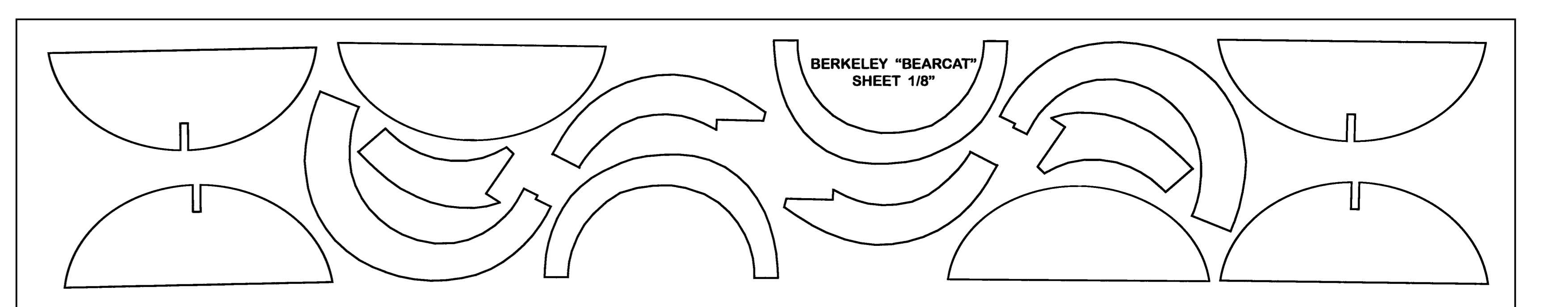
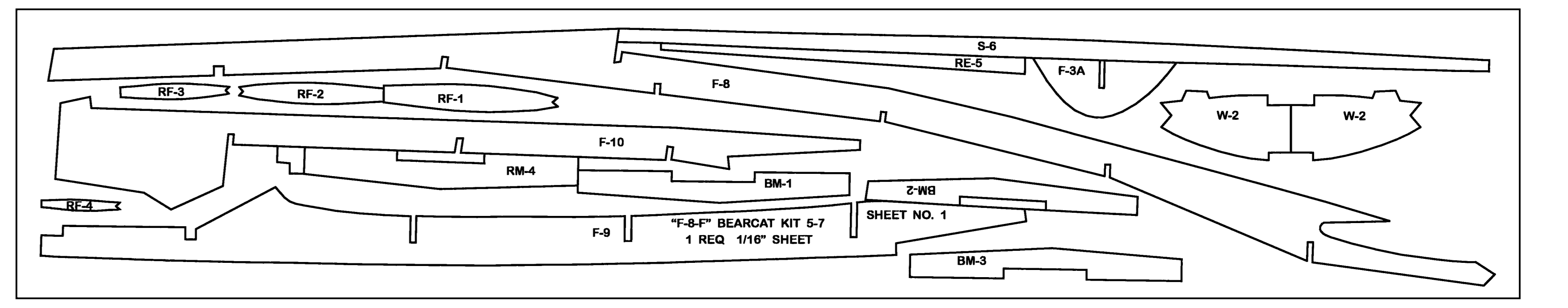
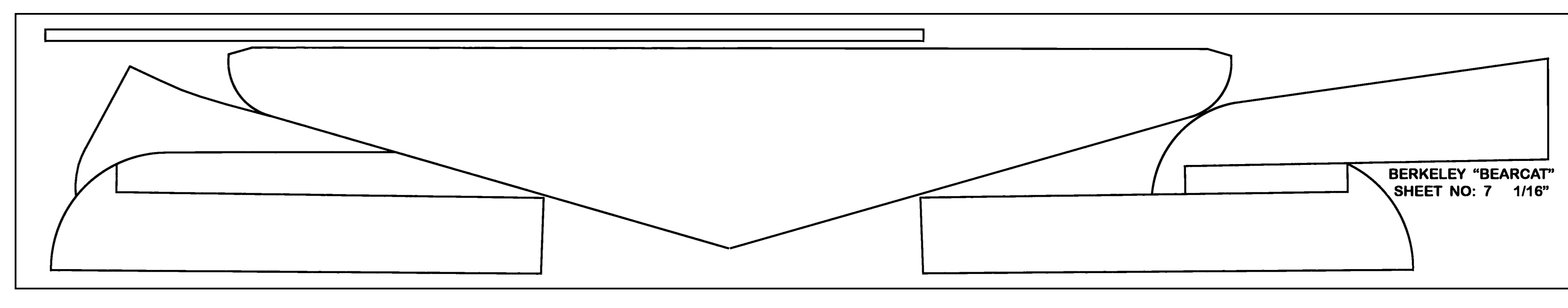
RUDDER: The rudder is easily assembled in much the same manner as the stabilizer and elevator. No frame is required. Use 1/2" hole in the rudder horn should be built in. Tapered edges of 1/20" sheet under planking at rear to line shown, to make a neat trailing edge. Once this is positioned in the fuselage, the leading edge must be mounted on the fuselage. After planking, sand filed as necessary to fit in to the fuselage smoothly.

Lead gear wire as necessary to allow gear to extend straight down as seen from the front view. Add hooks into main fuselage and determine the position of the gear door. The entire model, apply several coats of filler, sanding in between, and follow with Navy Blue, finished with internal buffing.

Remove cowling, install engine etc. (Note: engine mounting nuts should always be hand-tight to avoid slipping in the assembly, to prevent cooling air from being drawn in and out of the propeller. Small down or wire wire should be used to position the cowling with internal buffing.)

FLYING: Select a calm day, a smooth field and a good helper. Check lines for freedom of control action, tight connections etc. Check for proper balance, roller settings and freedom from wobble. Use a strip of adhesive tape, cut into strips, and stick just at wrist and elbow. This gives a very delicate elevator action as the arm is raised for up and lowered for down. Make sure you are in conditions to permit, but do not restrict the model at first. Keep model low as the bank angles, and make the approach with sufficient speed for good control. Plan out gear as the model settles.

Those desiring to fly Navy Center events should install a two speed engine system, either by a third line or by means of a gear and pulley system to refer and escapement. The starting hook is shown on the plan. Anchor securely. Happy landings.



F-8-F "BEARCAT"
Control Line

DESIGNED AND DRAWN BY: DON McGOVERN FOR .09 TO .19 ENGINES 3/4" = 1" SCALE
 KIT ENGINEERED BY: BILL EFFINGER 26-1/4" WINGSPAN CONTROL LINE
 FULL SIZE PLANS KIT NO-57

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