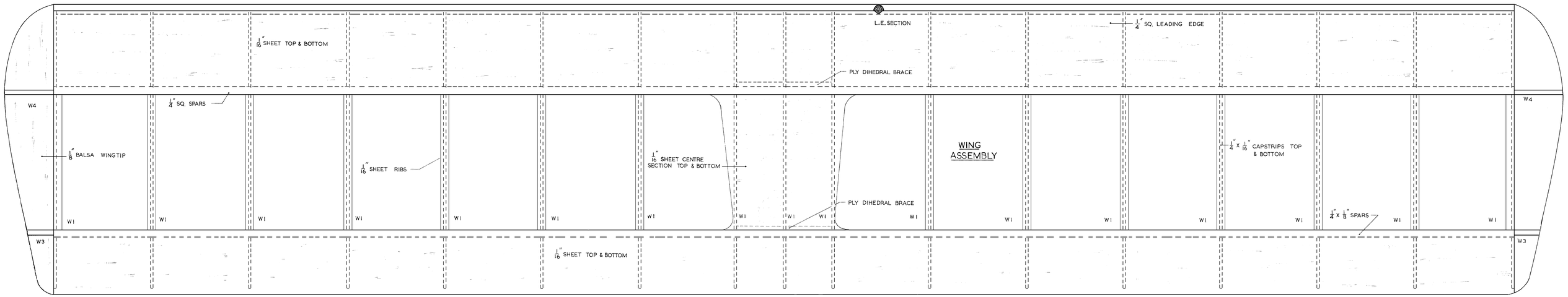
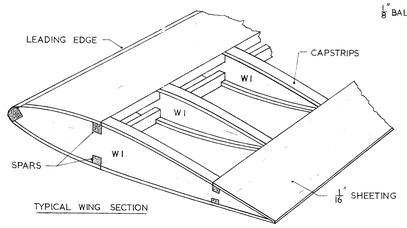


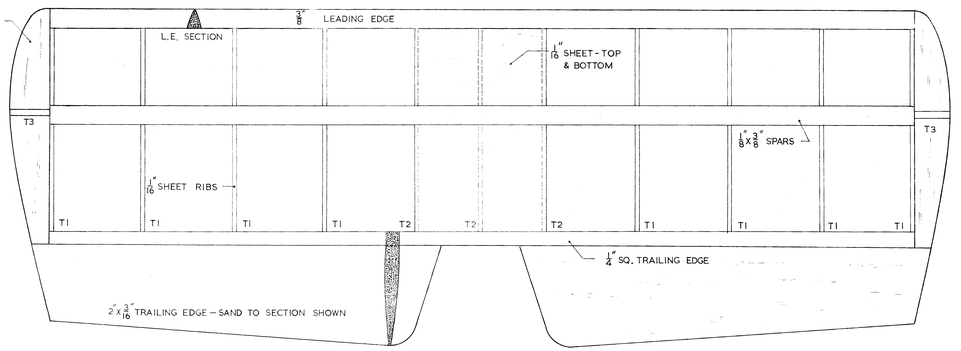
AEROFLYTE

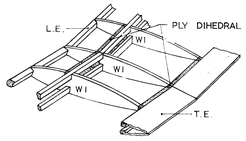
STORMER

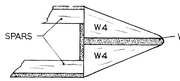
48 INCH WING SPAN

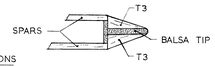
HIGH PEFORMANCE RADIO CONTROL MODEL

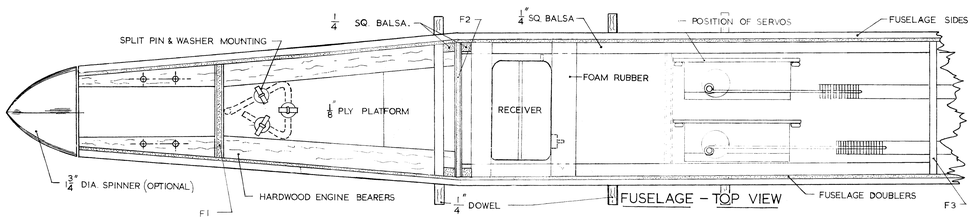


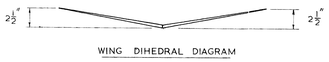


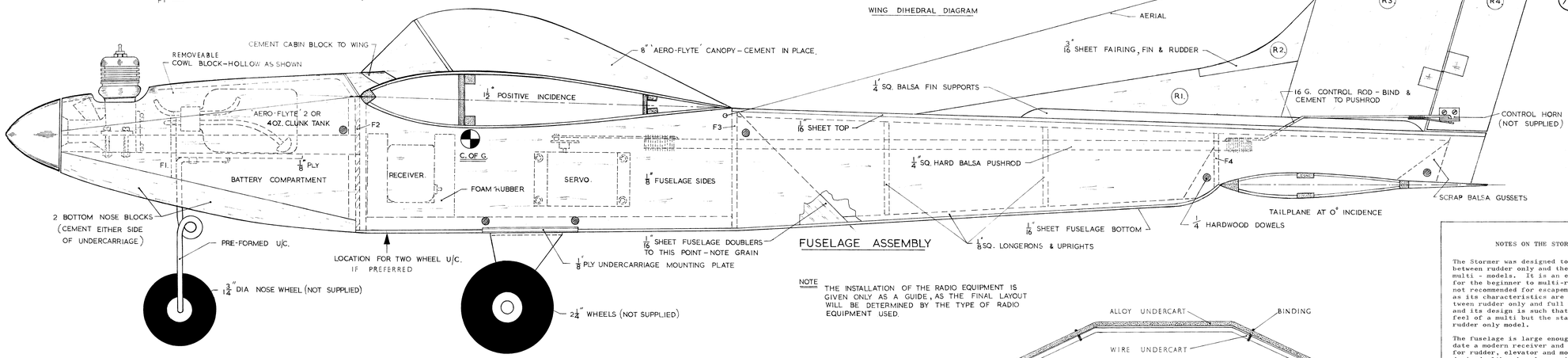








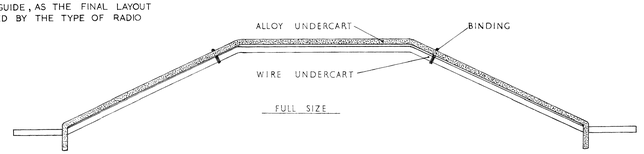




TAILPLANE ASSEMBLY

TAPE RUDDER TO FIN WITH 1/2" TAPE HINGES

NOTE THE INSTALLATION OF THE RADIO EQUIPMENT IS GIVEN ONLY AS A GUIDE, AS THE FINAL LAYOUT WILL BE DETERMINED BY THE TYPE OF RADIO EQUIPMENT USED.



NOTES ON THE STORMER

The Stormer was designed to fill the gap between rudder only and the full house multi - models. It is an excellent model for the beginner to multi-radio. It is not recommended for escapement operation, as its characteristics are a comprise between rudder only and full house multi, and its design is such that it has the feel of a multi but the stability of a rudder only model.

The fuselage is large enough to accomodate a modern receiver and three servos, for rudder, elevator and motor control if desired although only one is shown on the fuselage side view and two on the fuselage top view.

BUILDING INSTRUCTIONS

For maximum strength use only Aero-Flyte Cements especially prepared for use with balsa-wood. Super C23 for maximum strength around motor mounts, formers, etc and Super C17 for the remainder of the airframe.

STEP ONE Taper the engine bearers to suit your motor and cement the bearers to plywood formers F1 and F2. Fit the pre-formed wire undercart to the bearers, and bolt the motor into place. Lay the two fuselage sides down on a flat surface and cement the 1/16" sheet doublers and 1/8" square longerons and uprights into place. When dry, cement the fuselage sides to the engine mount assembly and formers F1 and F4 Make sure that the fuselage does not warp or twist while drying. The fuselage can now be completed by adding all gussetts, blocks, sheeting and dowels as shown on the plan. When cementing the fin (R1, R2, and R3) to the fuselage top sheeting, make sure that it is exactly in the centre.

STEP TWO The wings are built in two halves and joined together with the plywood dihedral brace before being sheet covered. Pin the bottom main - spar over the plan and cement the ribs to it, then add the top main-spar, leading edge and the two 1/4" x 1/8" rear spars. Now join the two wing halves together using the two plywood braces, cutting away the three centre ribs where necessary, cement the bottom and top trailing edge sheeting, leading edge sheeting and centre sheeting into place. Complete the wing by adding the cap strips, wing tips and gussetts.

STEP THREE Build the tail-plane directly over the plan by pinning down the mainspar and cementing the ribs to it, then add the top main-spar, leading edge, trailing edge, tops and gussetts and finally the centre sheet covering. Bend the alloy undercarriage to the shape shown and attatch the wire undercarriage by drilling 1/8" holes either side of the wire and binding with soft wire. Solder 1/8" washers to the wire to retain the wheels.

STEP FOUR Sand the entire model to smooth finish all over and cover the fuselage with tissue (doped on) and the wings and tailplane with silk. Apply several coats of dope all over and finish in the colours desired with fuelproof paint. Finally, cement the canopy into place. The installation of the radio control equipment is not detailed here as this varies with the type of equipment used.