

Simple two function hand launch glider

Design by MIKE PROCTOR

Bend up the tow hook and slide through from the inside reinforcing it with a small piece of bandage

Rudder and elevator push-rods can be from 1/8 in diameter hardwood dowel with very small gauge wire ends — 20s w.g. is fine, which can be fixed on using heat-shrink tube or bound with thread. Clevises and associated fittings, solder, etc. can add up to quite a lot of weight so 'Z' bends are best for

fixings at either end. Servos fit into the under-wing bay, one higher than the other so that adequate clearance is made for push-rods. As a further weight-saving measure, dispense with both receiver case and switch, plug the Ni-Cad directly into receiver to switch on. If you have been careful with wood selection, etc., then very little weight will be needed to balance the model.

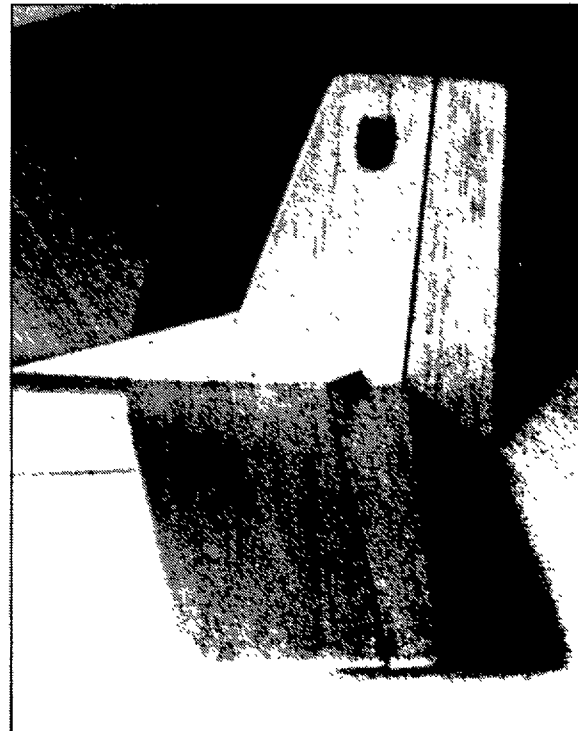
Build up to full blown javelin style launches steadily otherwise we will be reading of a

rash of HLG launchers Shoulder' demanding treatment at the local out-patients department if you just cannot throw, then try the mini bungee idea, it really works. Most flights are likely to be in the order of 30 secs. but when you do find lift, the thrill is tremendous. Bear in mind that these are small models so don't throw caution to the winds if lift is found. Lightly loaded models go up fast and being small can very quickly get out of visual range. Far better to settle for a 3-minute flight than 5 minutes out of sight, out of range and out of pocket!

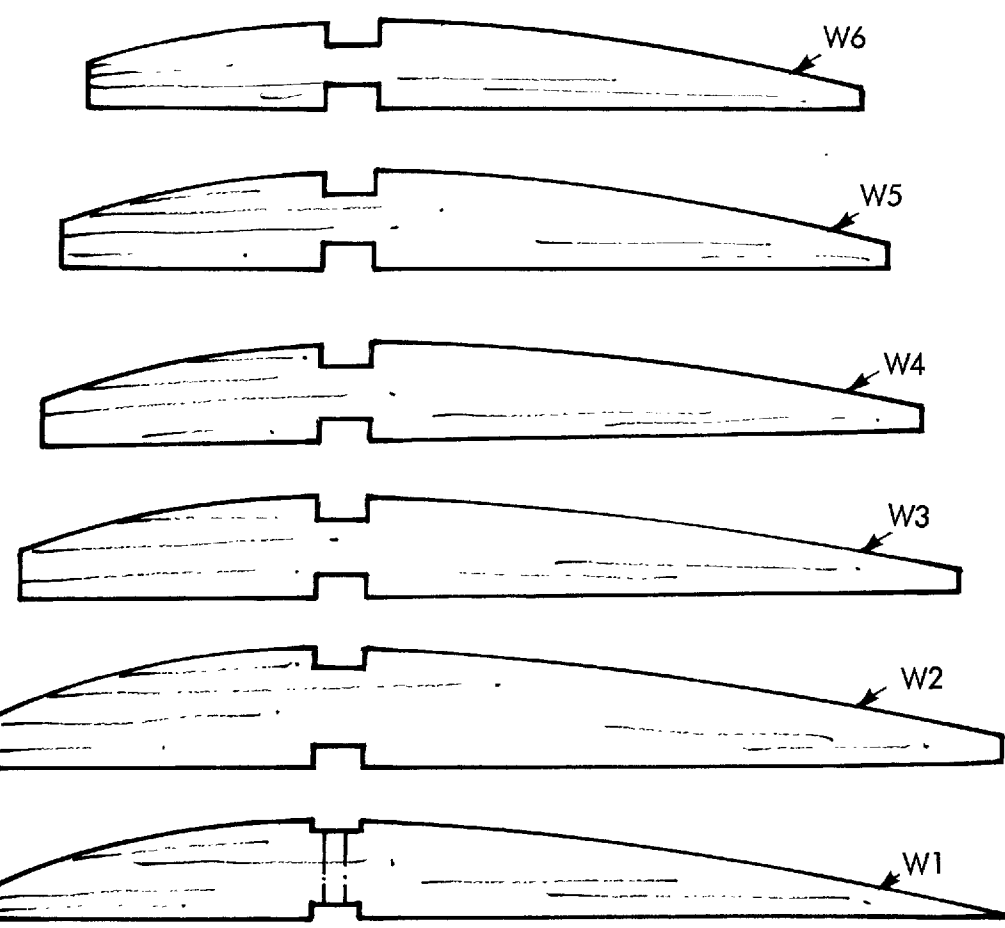
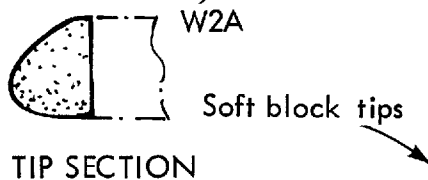
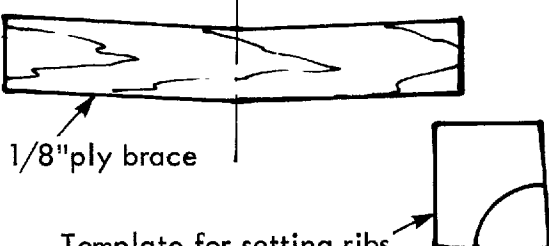
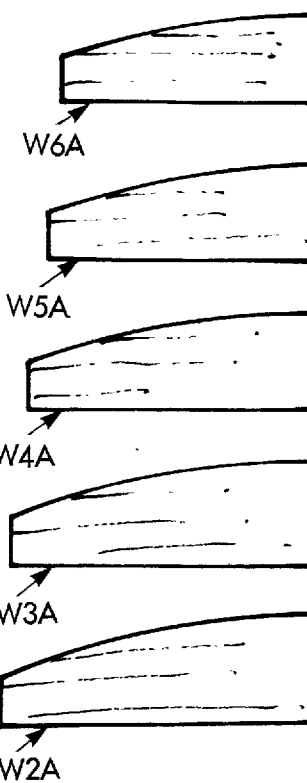
CONTROL THROWS
Rudder as much as possible
Elevator 3/16" each way

PROTOTYPE WEIGHT approx 16oz

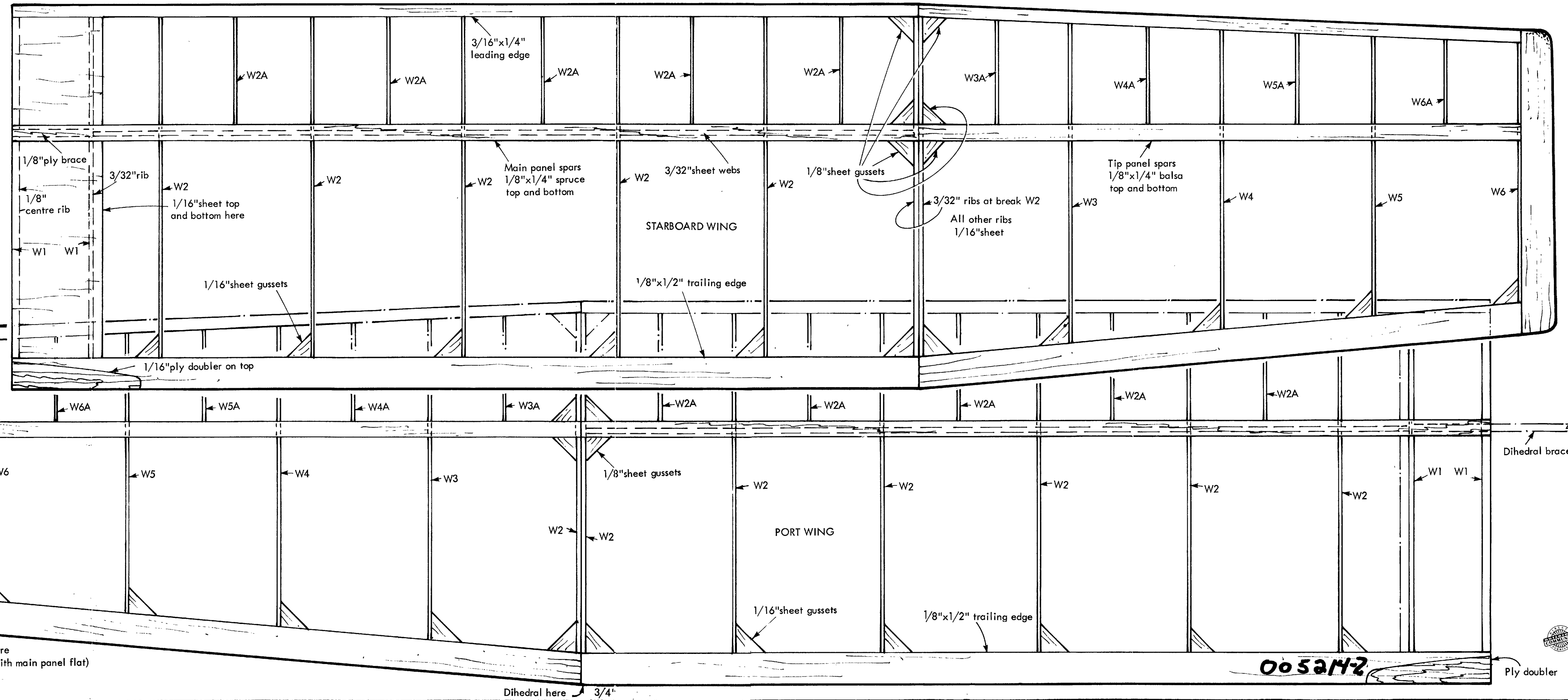




Left: all sheet tail surfaces are simple, hinges can be either mylar strip or sewn



Dihedral here $2\frac{3}{4}''$ ($1\frac{1}{2}''$ with main panel flat)



Ply doubler