

# FLI-WING

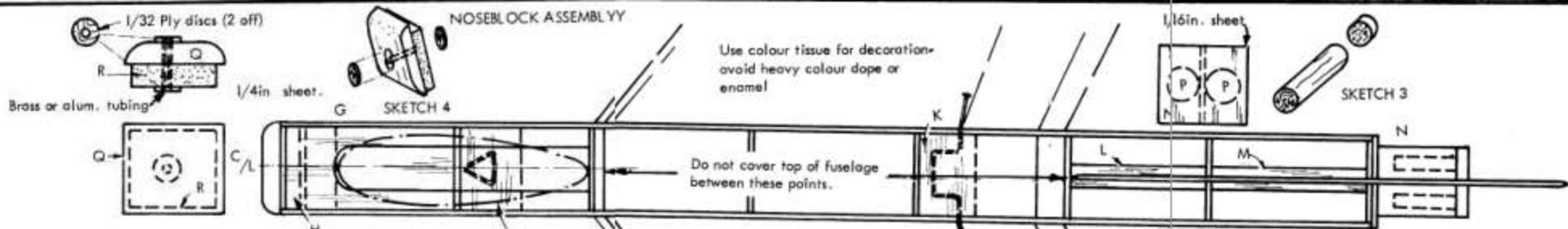
Designed by Ray Malmström

A 17. 1/2in. SPAN RUBBER POWERED FLYING WING

PLAN VALUE

40p

ALL WOODS MEDIUM GRADE Balsa UNLESS OTHERWISE STATED.



If model turns sharply, left under torque, insert 1/32 or 1/16in. sq. strip here

Do not cover top of fuselage between these points.  
Cover fuselage with lightweight tissue. Water shrink and give one coat of 50/50 dope and thinner. Fin and exhaust tubes one coat of clear dope. Noseblock three coats clear dope.

Round-off edges

Veron 5in. dia. balsa prop or Keil Kraft 5in. dia. plastic prop

Canopy from toothbrush container or use small commercial canopy

Balance point.

Grain direction

Free-wheel clutch pin. 22 swg. piano wire

Cup washers

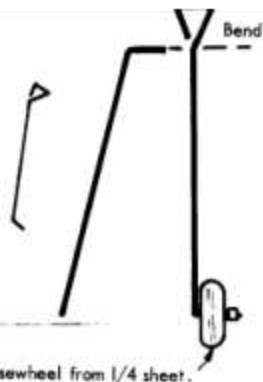
Retain nosewheel and main undercarriage by three layers of tissue doped on.

Fuselage from 1/16in. square strip.

Leave open

1/16in. dia. dowel motor peg.

Exhaust tubes. P. from block



Nosewheel from 1/4 sheet.

3/4in. dia. lightweight plastic wheels

Plastic elec. tubing

NB. Rib R1 (4 off)

Ground line

1/16 sq.

1/16 sq.

Angle ribs to suit dihedral

From 1/16in. sheet

All gusset 1/16in. sheet

Wing dihedral jig. 3/32 sheet (2 off)

STARBOARD ELEVON

Approximate angle of elevons

Tip fin

PORT ELEVON

Cement under trailing edge

1/16in. sheet.

Tip fins (2 off) 1/16 sheet.

POWER

Test motor: 1 loop 9in. long 3/16in. flat rubber strip  
Flight motor: 2 loops 14in. long 1/8in. flat rubber strip  
or 1 loop 14in. long 1/4in. flat rubber strip

Tip fin detail

SKETCH 7

Wing rib jig 3/32in. sheet.

ELEVONS (2 off) Thin card

SKETCH 5

wing dihedral jig

SKETCH 6

Building board

BUILDING BOARD

WING DIHEDRAL JIG

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