Most formers are built from 4 'quarter pieces', cut former quarter pieces from the template on sheet 3 and pin over former details shown above. Glue only the horizontal join such that separate left and right former halves are created. Before removing from plan mark all formers with stringer positions.

The model has flown on rapiers rated from 110m to 220m

Canopy moulded from acetate

Cone carved and hollowed from soft balsa

Spine fanned from soft balsa block carved and hollowed

Form tail by rolling 0.4mm ply over 28.5mm dia former and cladding with 3mm soft balsa

Form tube motor mount with wide retainer clip

Paper tube motor mount

1.5mm doublers each side of upper & lower keels to form slots for fin and vertical fin

Form outlet nozzle by rolling 0.4mm ply over 28mm dia former and cladding with soft 3mm balsa

Scrap detail of fin top

Line through with paper then aluminium foil between F4 & F7

Wing root infill pieces fit above & below side keels between F4 & F7

Paper tube motor mount

Horizontal stabiliser root stringer nail piece

Template for rear nozzle former - from 0.4mm (0.15") ply

Template for front nozzle former - from 0.4mm (0.15") ply

Chamfer overlapping areas

Clad vent, fin with alum, foil, make push fit into trough keel slot to facilitate removal for cleaning.

VF1

VF2

All 1.5mm balsa unok

MIG-21 PFM/BIS 'FISHBED'

244mm (9.6") span for raper L2 power

Sheet 1 of 3

Drawn by Steve Bage
ON PROTOTYPE COVERED WING WAS FITTED TO FUSELAGE BEFORE SHRINKING TISSUE (TO PREVENT "BOWING" OF RIBS)

JIG FOR ROOT RIB ANGLE

COUNTER-BALANCE WEIGHTS FROM SCRAP

WEB 0.8mm ON CENTER LINE, GRAIN AS INDICATED (TO PREVENT COMPRESSION OF LE DUE TO TISSUE SHRINKAGE)

WEB SPARS 0.8mm, GRAIN VERT. OUT TO R3

LE 4mm x 3mm TAPERED TO 1.5mm x 3mm

SHEET 2 OF 3

MIG-21 PFM/BIS 'FISHBED'

244mm (9.6") SPAN FOR RAPIER L2 POWER

Drawn by Steve Bage