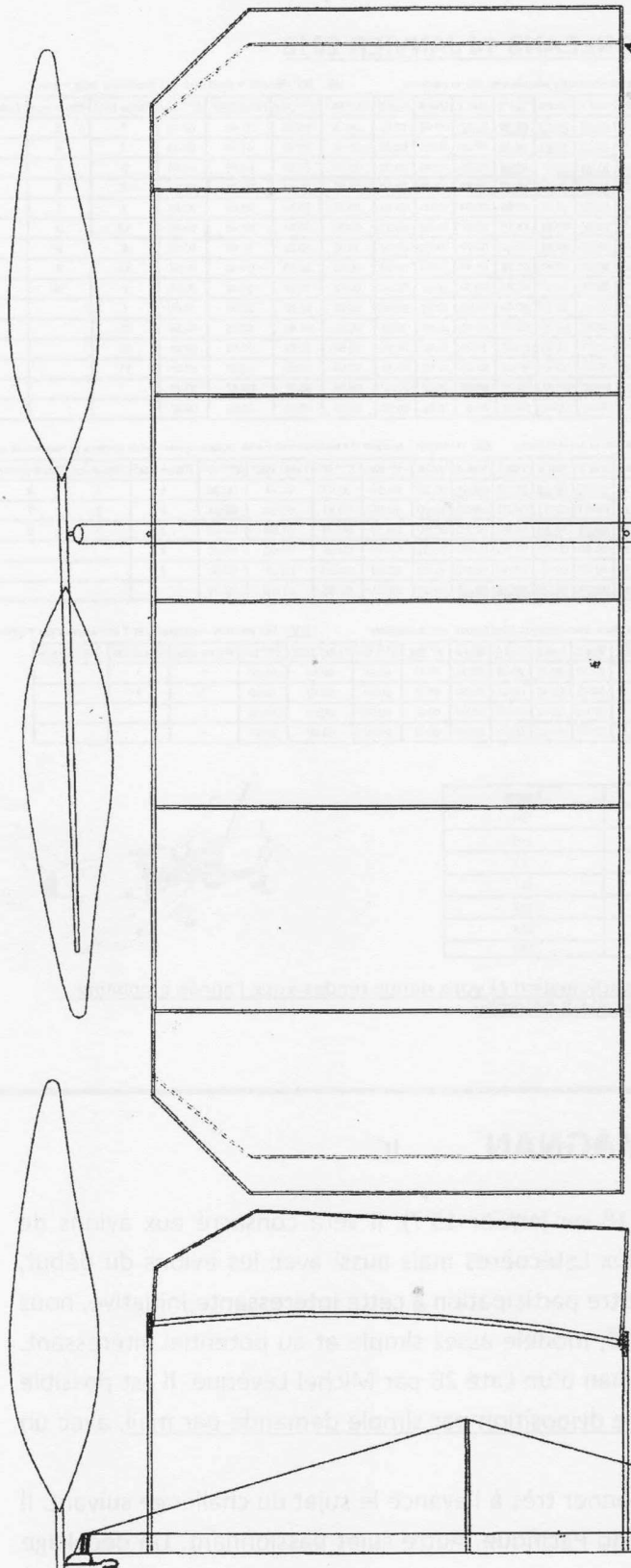
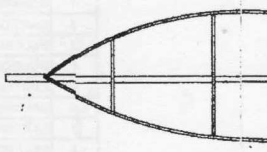


← Dihedral under wing tip 55mm Make sure that projected span is unde 460mm! (red line indicates projected wing tip)

← Dihedral break here



Prop blade layout (flatted

Echelle : 1/3

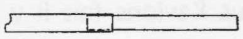
← Wing is set 25mm offset from fuselage center line.

Materials:
Motor tube 0,.4mm (0.025") #6 balsa rolled around a 7mm
finished length 420mm
Tailboom 0.46mm (0.018") #5,5 balsa rolled around Harlan
or a fishing rod tip, length 420mm. If there is a bow on the
install it so that the tail curves down, not side!

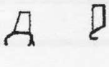
Wing center section spars 3*1.2mm -> 2*1.2 #6 balsa
Wing tip spars 2*1.2mm #6 balsa
Wing ribs 2.5*0.9mm #6 balsa
Tail spars 2*1.2 -> 1.5*1.2mm #6 balsa
Tail ribs 1.8*0.9mm #6 balsaa
Covering 1 micron mylar (Woodhouse).
Wing and tail posts 2*2mm #10 balsa. Wing posts 98 and
tail posts 36 and 33mm tall (ditto).
Thus wing has 2,3° incidence, tail is at -1,3°, and taking in
of 10mm, the overall decalage is 3,5°.
Tail left end of straight section has 5mm wash-in. Wing has

Prop diameter 400mm, pitch 730mm, P/D 1,8. Prop is built
Prop spar D2.5mm -> D1.5 #7 balsa, sanded round and ta
Prop frame 1.2*1.2mm #7 balsa, ribs 1.2*0.9mm #6 balsa,
Prop shaft and rear hook 0,38mm (0.015") piano wire
Prop bearing Harlan PP. , rear hook is 320mm aft from the
Fuselage is rigged with polypropylen thread, rigging pylon

Nose length from front face of bearing to forward wing pos
for sufficient prop clearance.
Center of gravity 22mm behing wing trailing edge, i.e. 11%
Prop thrust 4° left, 2° down.



Fuselage joint: make a 60mm long tube tapering from 6 to 5 mm (snug fit inside front of the tailboom), and glue it 10mm within the motor tube end.



Glue the prop bearing and rear hook into pieces of thin (0.5-1.0mm) balsa (grains vertical), and reinforce by wrapping some polypropylene thread around, glueing with celluloid glue. Cut slots to the motor tube (both upper and lower face and glue to balsa reinforcements with ample glue to the tube.