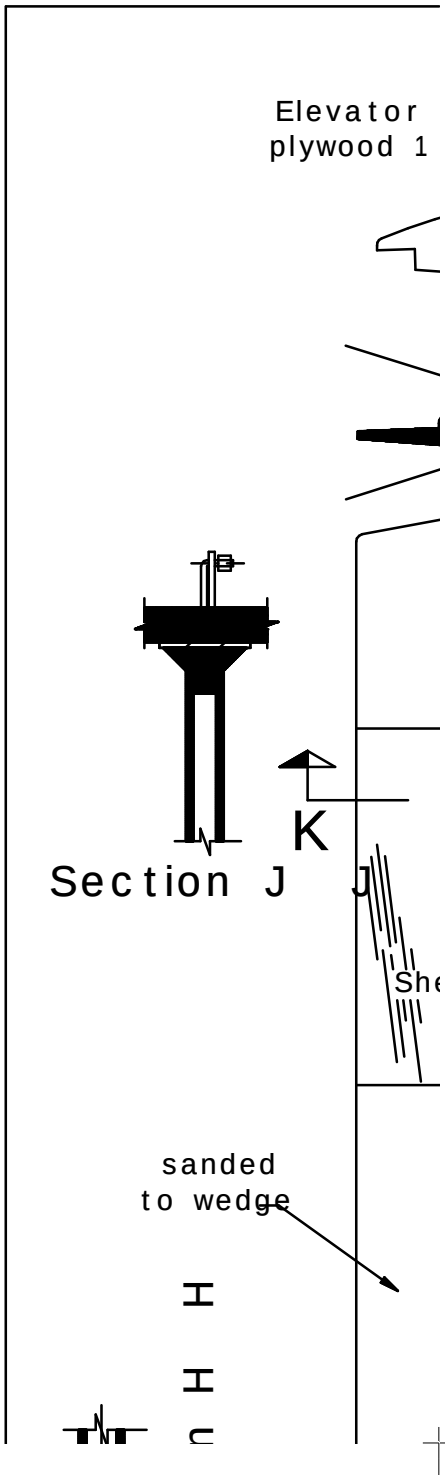
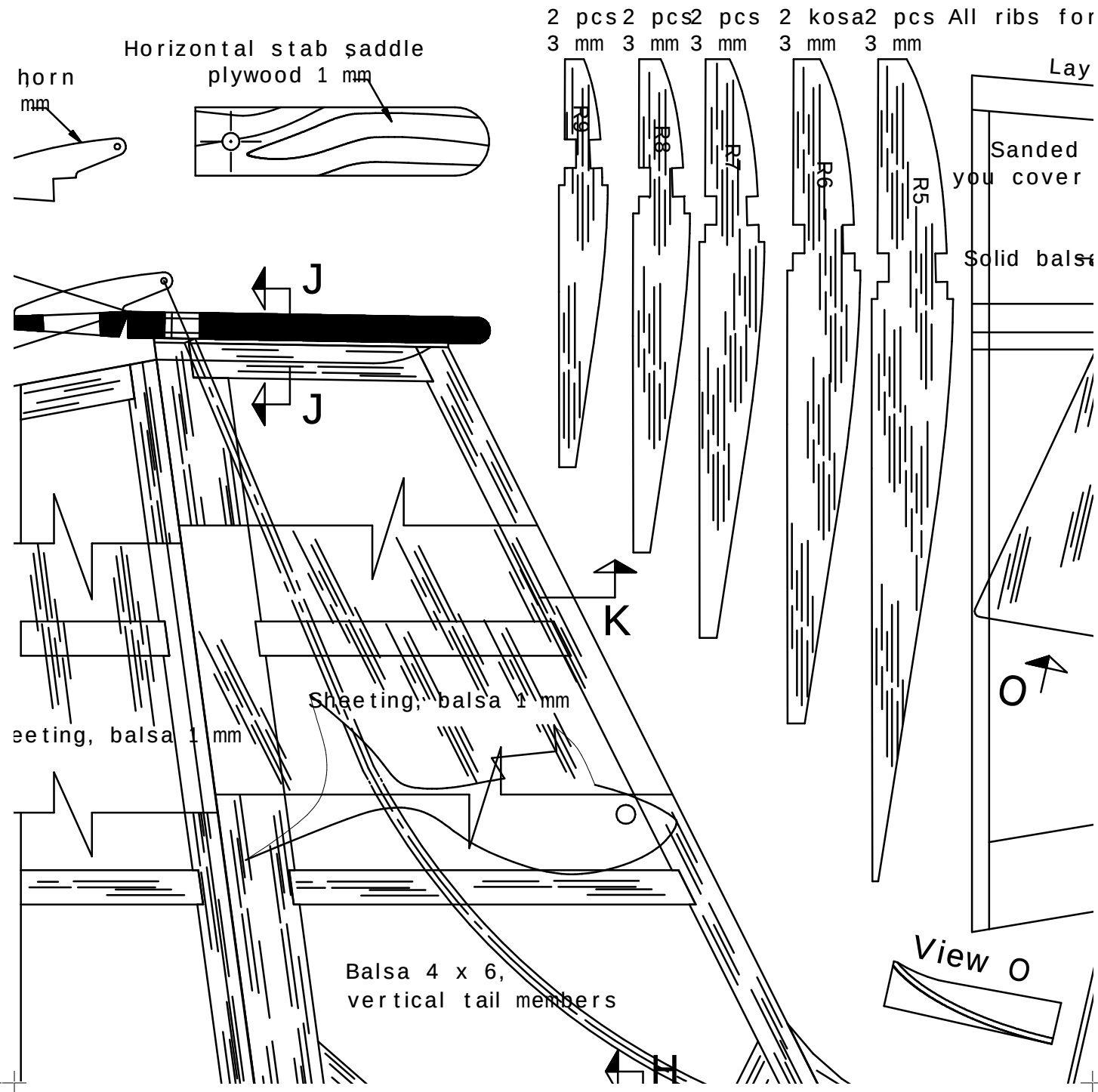
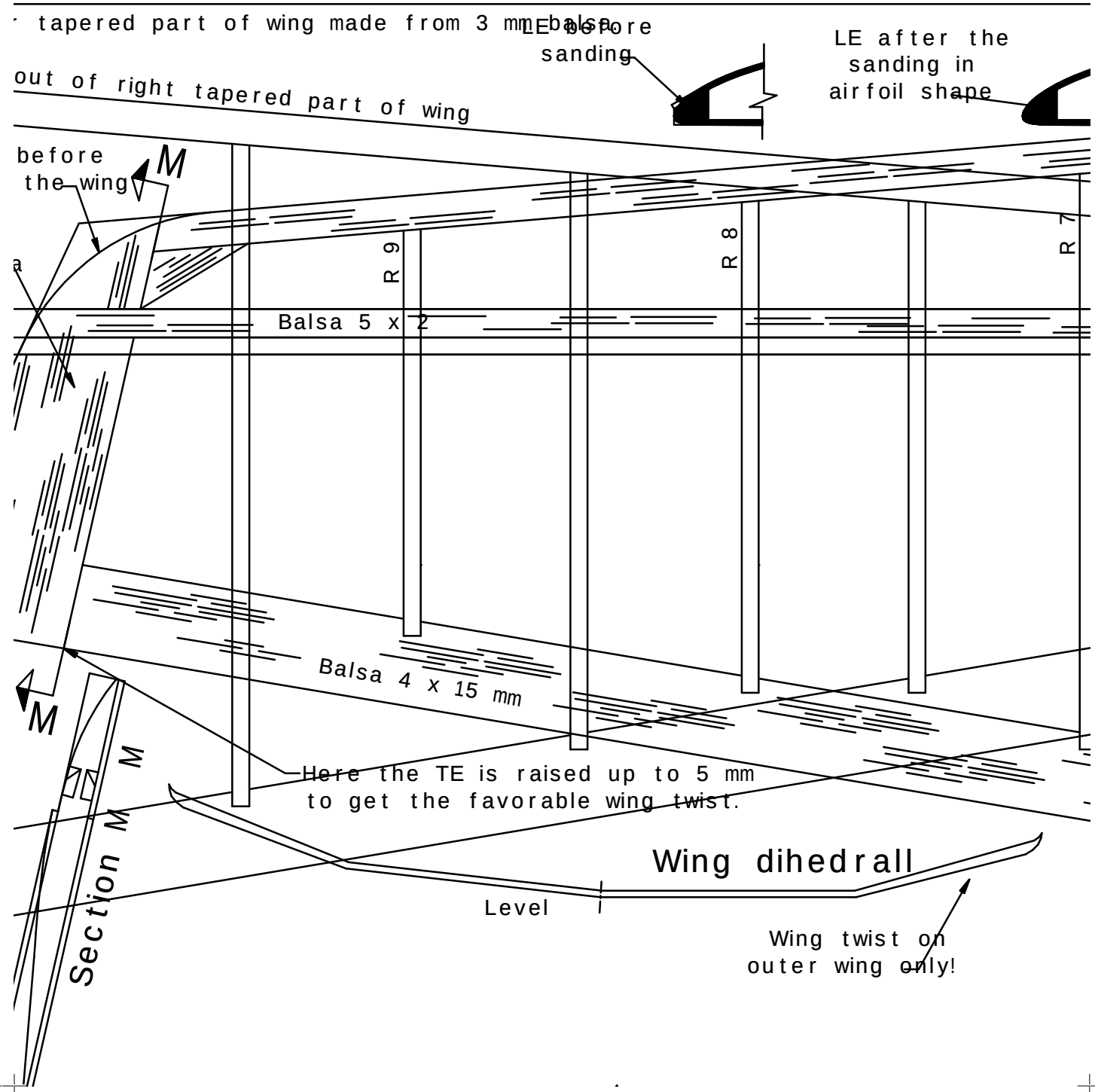
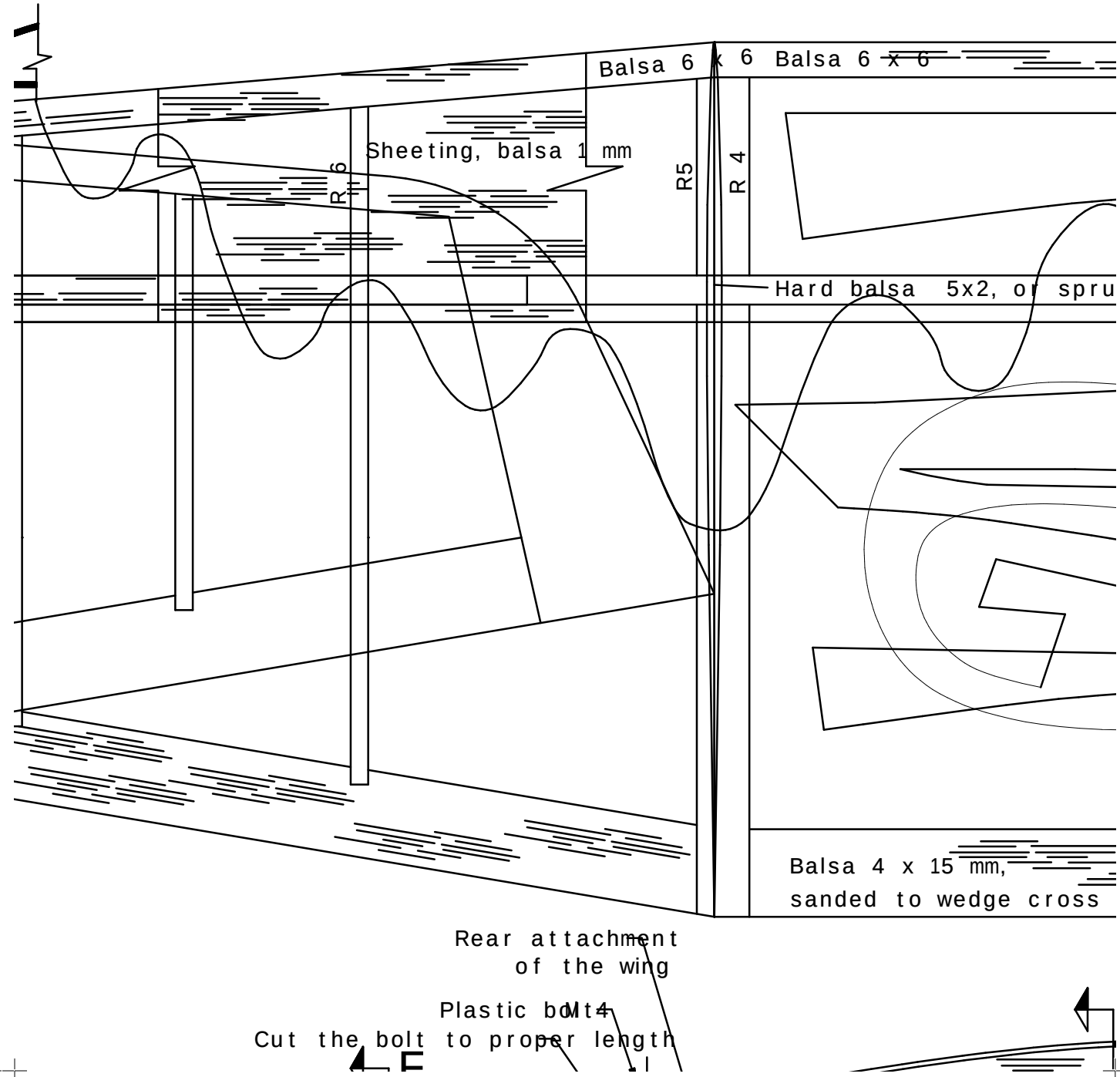
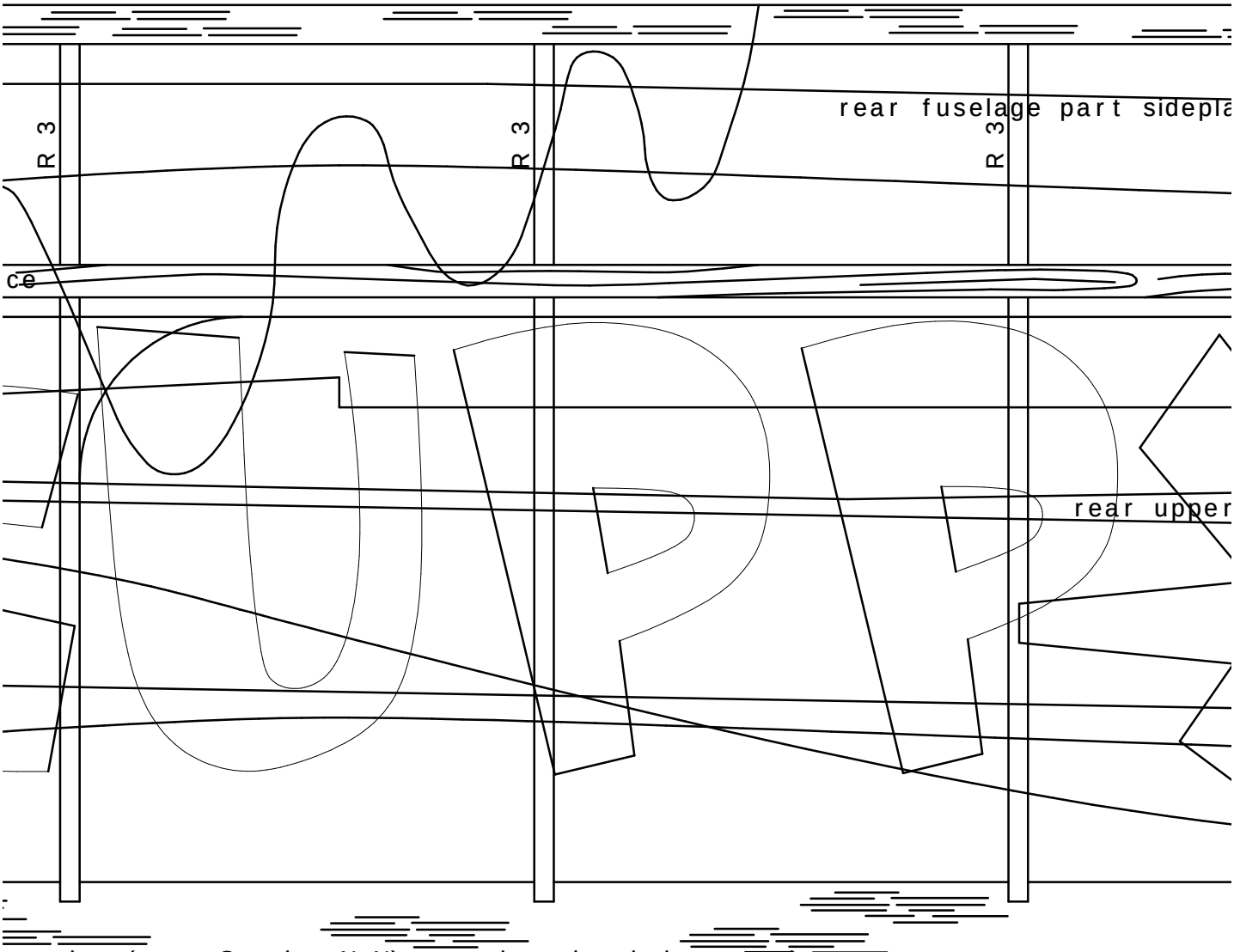

Elevator
plywood 1
K
Section J J
She
sanded
to wedge


2 pcs 2 pcs 2 pcs 2 kosa 2 pcs All ribs for
3 mm 3 mm 3 mm 3 mm 3 mm
Horizontal stab saddle
plywood 1 mm
horn
mm
R6
R8
R7
R6
R5
Lay
Sanded
you cover
Solid bals
J
J
K
O
Sheeting, balsa 1 mm
eeting, balsa 1 mm
O
Balsa 4 x 6,
vertical tail members
H
View O


tapered part of wing made from 3 mm balsa
LE before sanding
LE after the sanding in airfoil shape
out of right tapered part of wing
before the wing
M
R 9
R 8
R 7
Balsa 5 x 2
Balsa 4 x 15 mm
M
Here the TE is raised up to 5 mm to get the favorable wing twist.
Section M M
Wing dihedrall
Level
Wing twist on outer wing only!


Balsa 6 x 6 Balsa 6 x 6
Sheeting, balsa 1 mm
R6
R5
R 4
Hard balsa 5x2, or spru
Balsa 4 x 15 mm,
sanded to wedge cross
Rear attachment
of the wing
Plastic bolt 4
Cut the bolt to proper length



section (note Section N N) or triangular balsa stock.

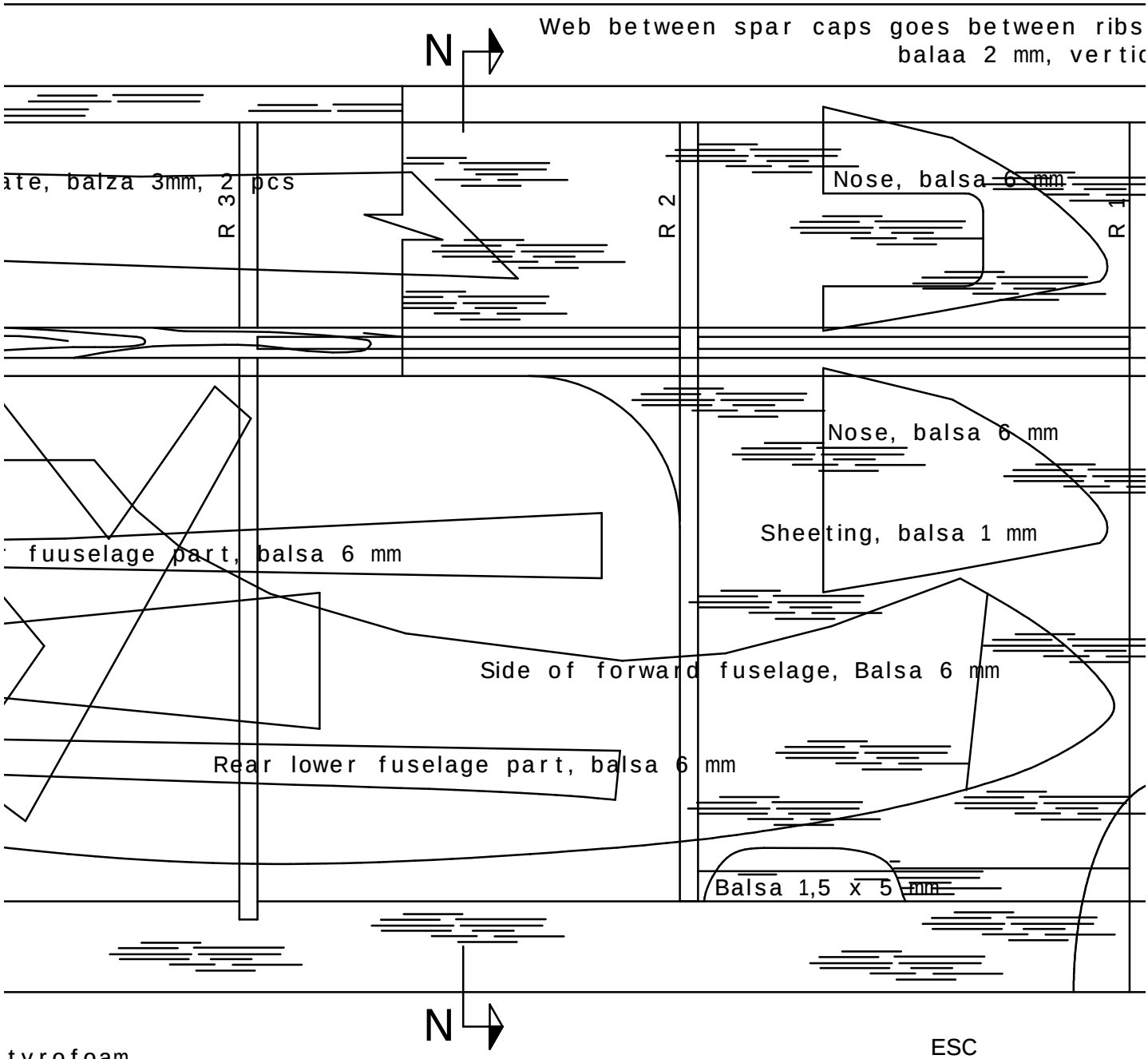
Plastic bolt 4

D

C

Making of the canopy:
make a "positive mold" from s
put it tightly in the PET bot
into boiling water for a minut
shrink and get the "mold" sh

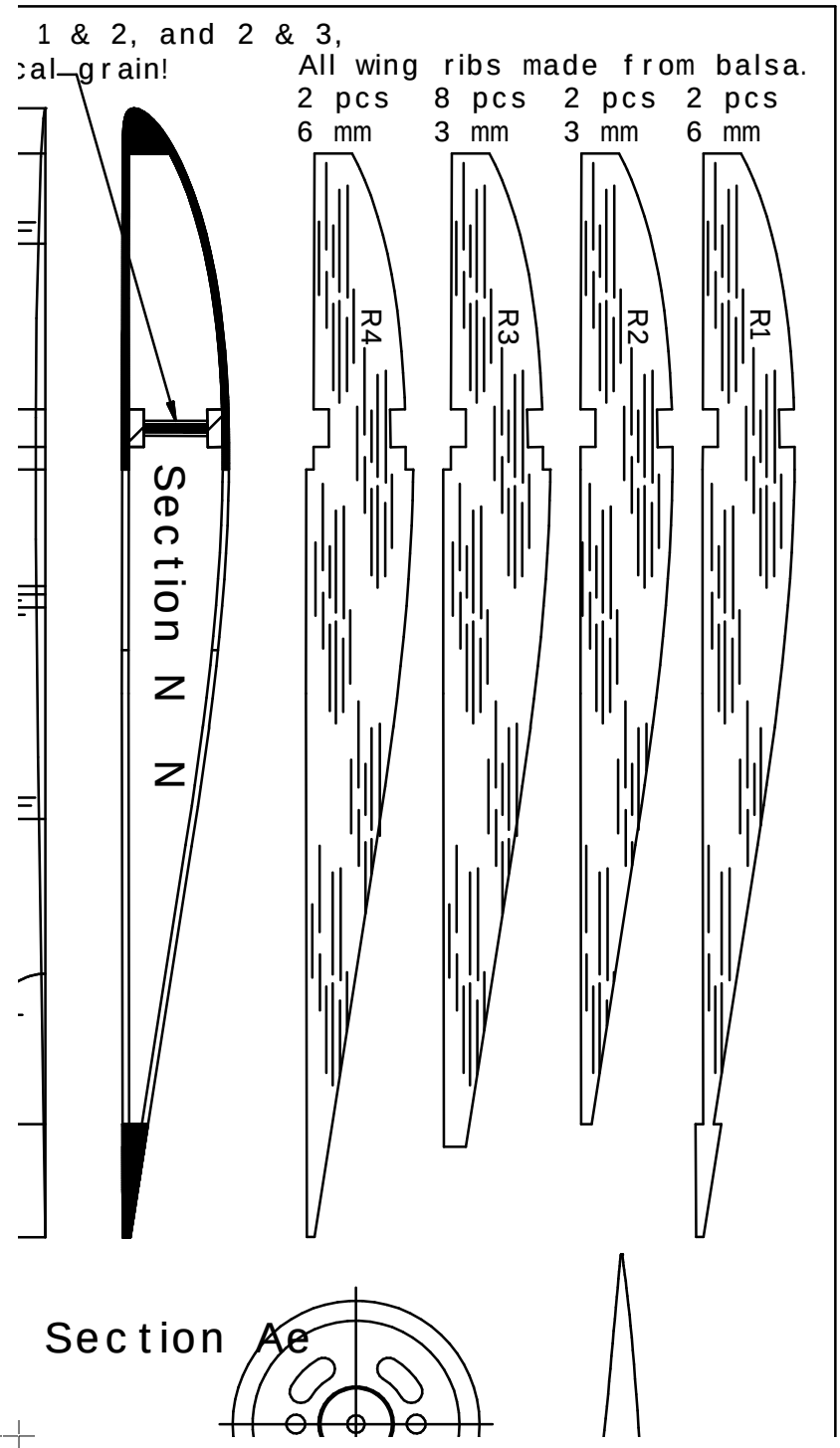
Forward wing



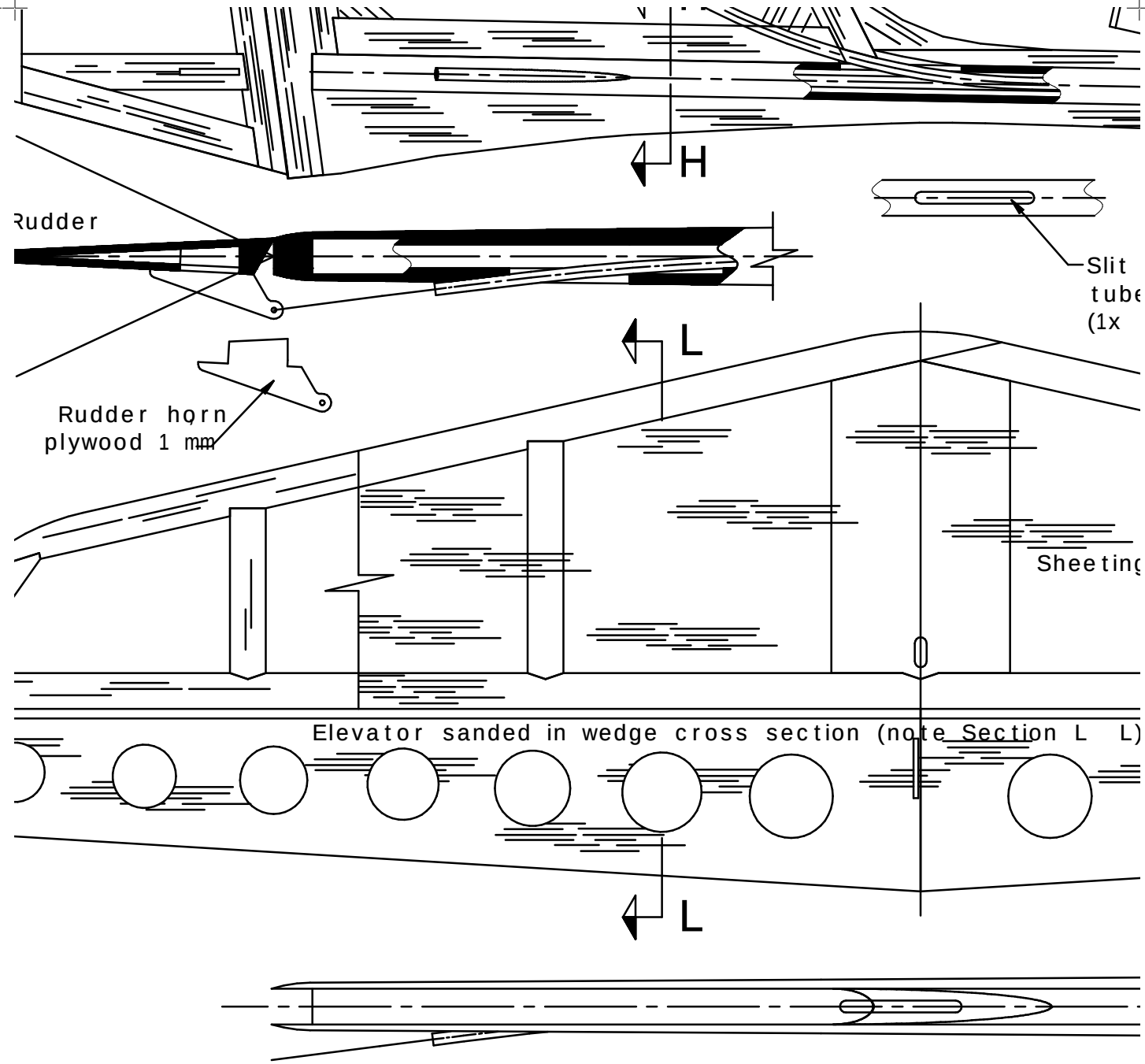
tyrofoam
tle and dip it
e. PET will
ape

Balsa cap, glued in

ESC
18-20A + BEC

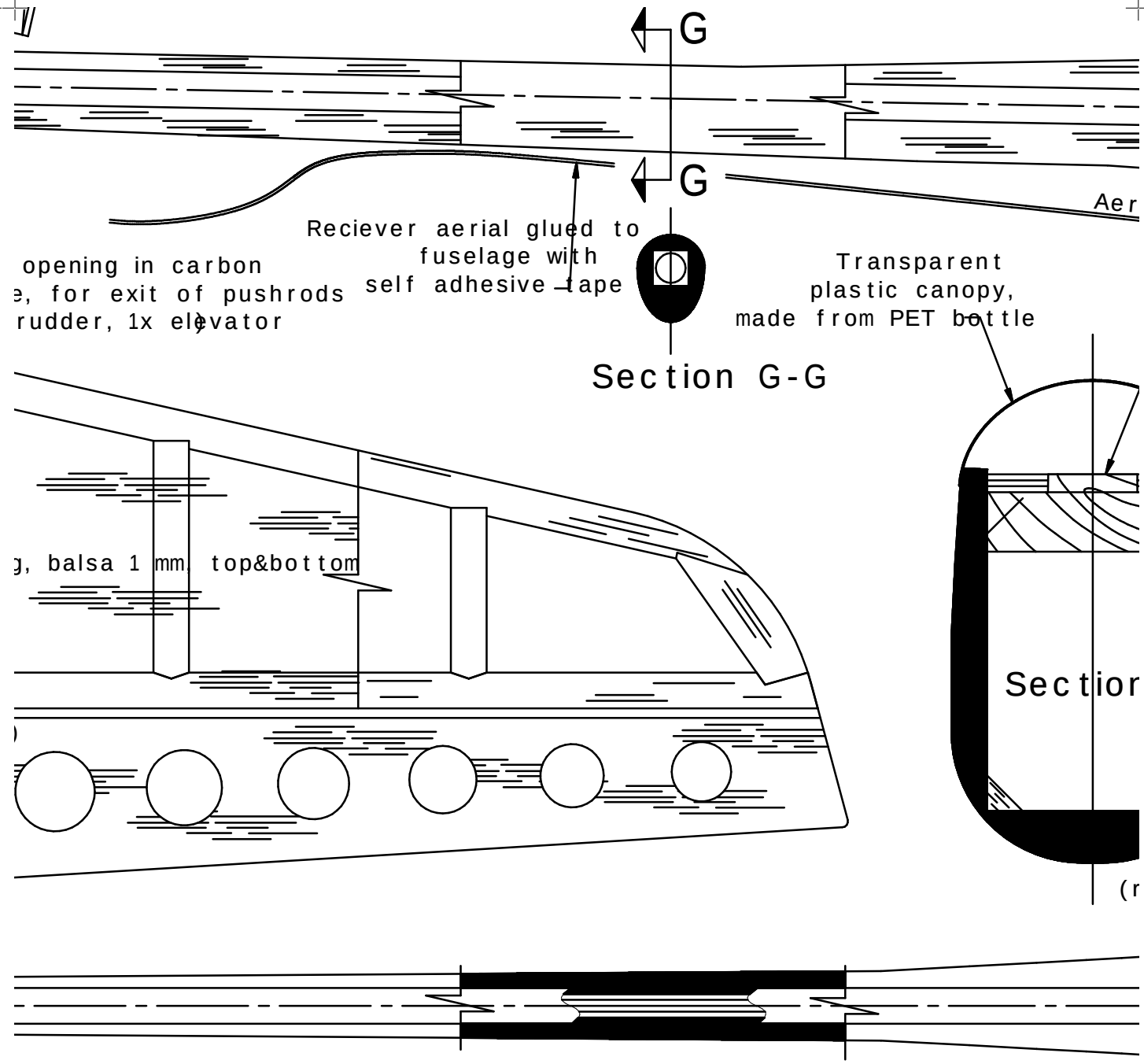

1 & 2, and 2 & 3,
cal grain!
All wing ribs made from balsa.
2 pcs 8 pcs 2 pcs 2 pcs
6 mm 3 mm 3 mm 6 mm
R4
R3
R2
R1
Section N N
Section Ae

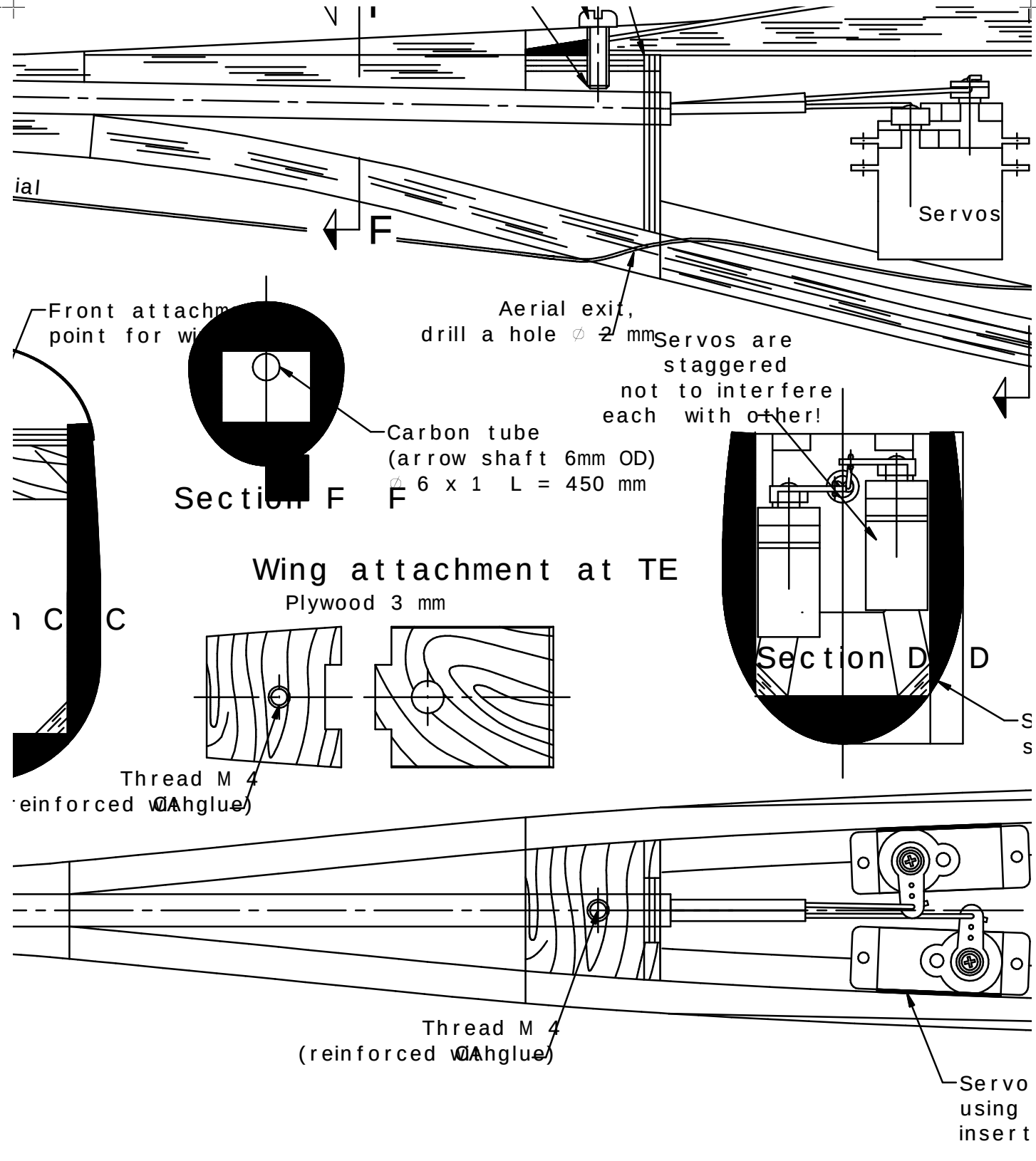
Section
Section L L
down up
Rudder

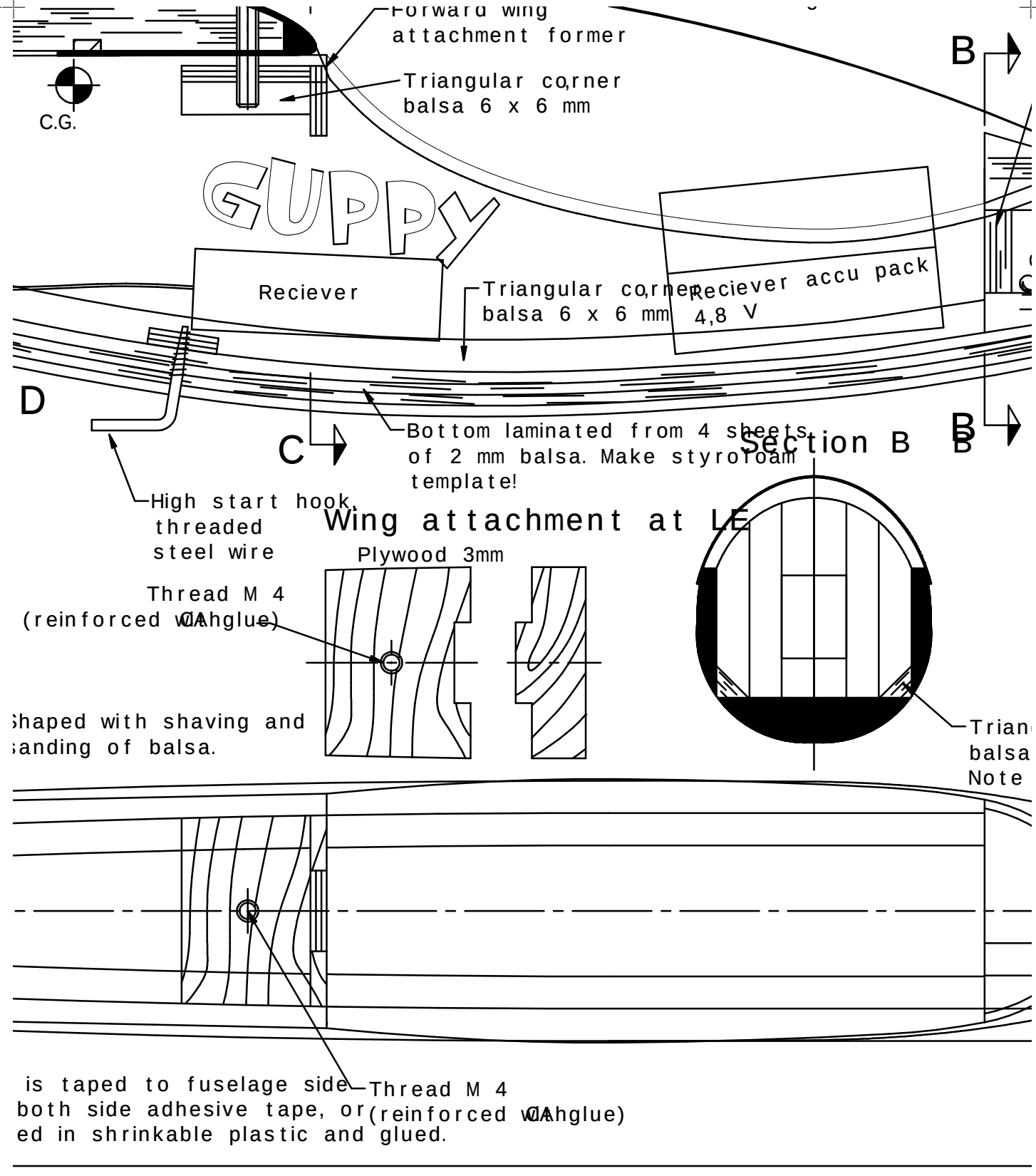


Section K K

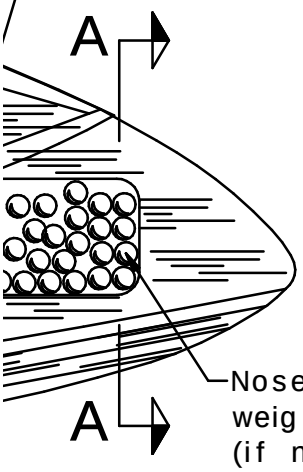
Pushrod vor elevator, ho 12mm rib


G
G
Aer
Reciever aerial glued to
fuselage with
self adhesive tape
opening in carbon
e, for exit of pushrods
rudder, 1x elevator
Transparent
plastic canopy,
made from PET bottle
Section G-G
g, balsa 1 mm, top&bottom
Sectior
(r

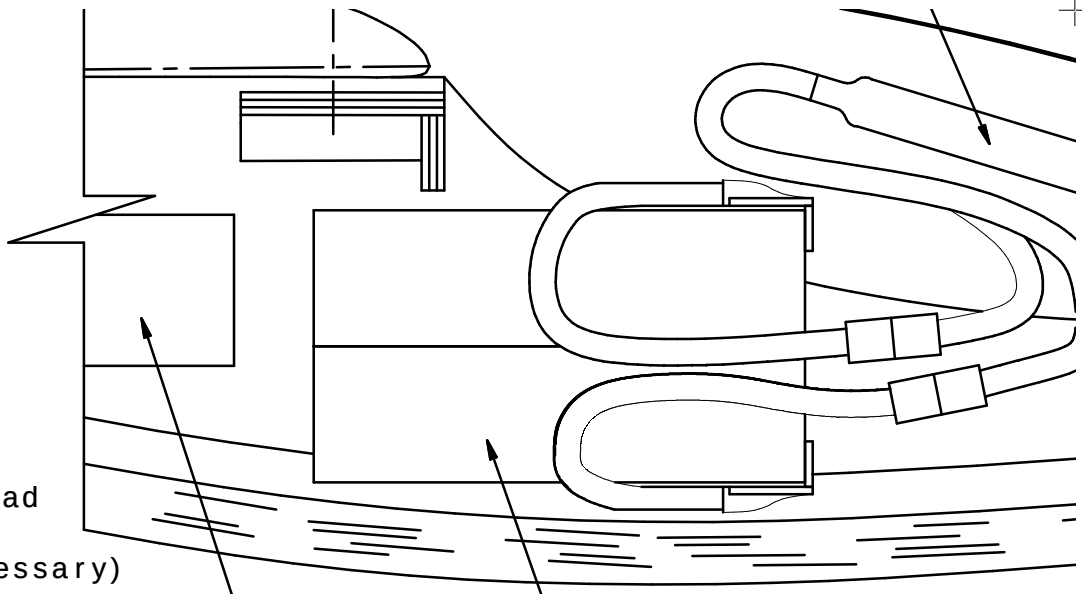

ial
F
Servos
Front attachm
point for wi
Aerial exit,
drill a hole ∅ 2 mm
Servos are
staggered
not to interfere
each with other!
Carbon tube
(arrow shaft 6mm OD)
∅ 6 x 1 L = 450 mm
Section F F
Wing attachment at TE
Plywood 3 mm
Section D D
Thread M 4
(reinforced with CA glue)
Thread M 4
(reinforced with CA glue)
Servo
using
insert


Forward wing attachment former
Triangular corner balsa 6 x 6 mm
C.G.
B
GUPPY
Reciever
Triangular corner balsa 6 x 6 mm
Reciever accu pack 4,8 V
D
C
Bottom laminated from 4 sheets of 2 mm balsa. Make styrofoam template!
Section B
High start hook, threaded steel wire
Wing attachment at LE
Plywood 3mm
Thread M 4 (reinforced with CA glue)
Shaped with shaving and sanding of balsa.
Triang
balsa
Note
is taped to fuselage side
both side adhesive tape, or
ed in shrinkable plastic and glued.
Thread M 4 (reinforced with CA glue)

place after balancing the glider.



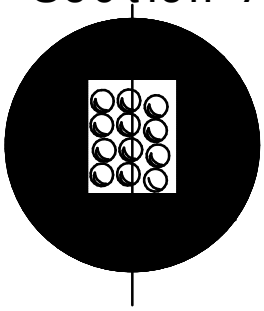
Nose lead weigth (if necessary)



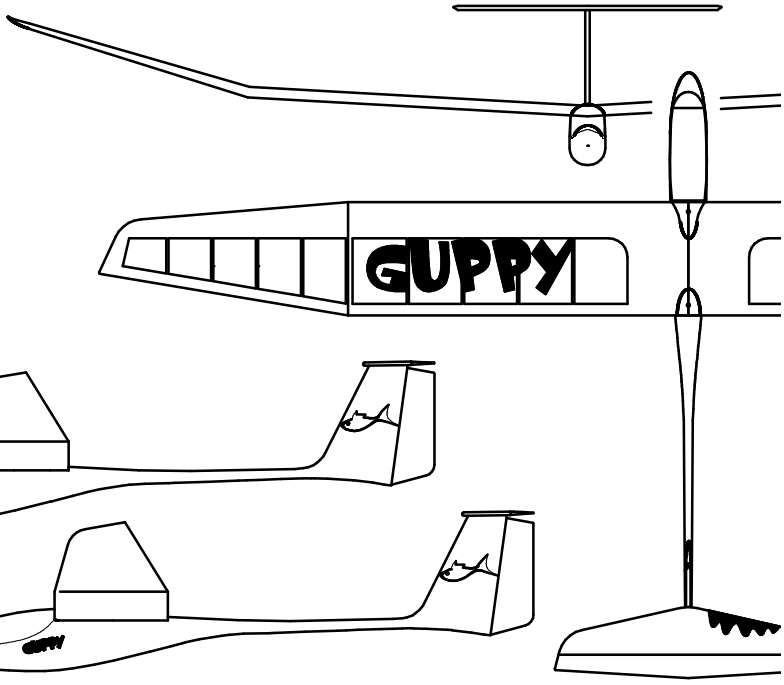
Reciever

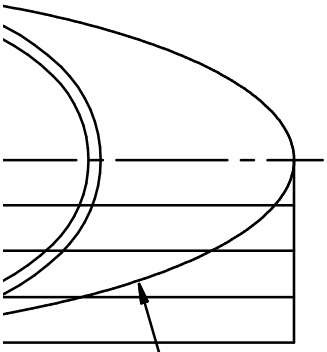
Accu pack

Section A A



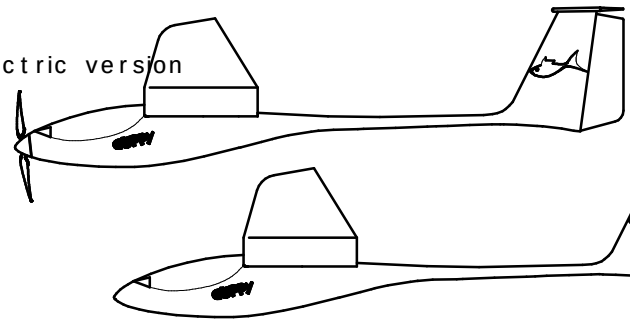
gular corner, filling
6 x 6 mm.
the grain direction!



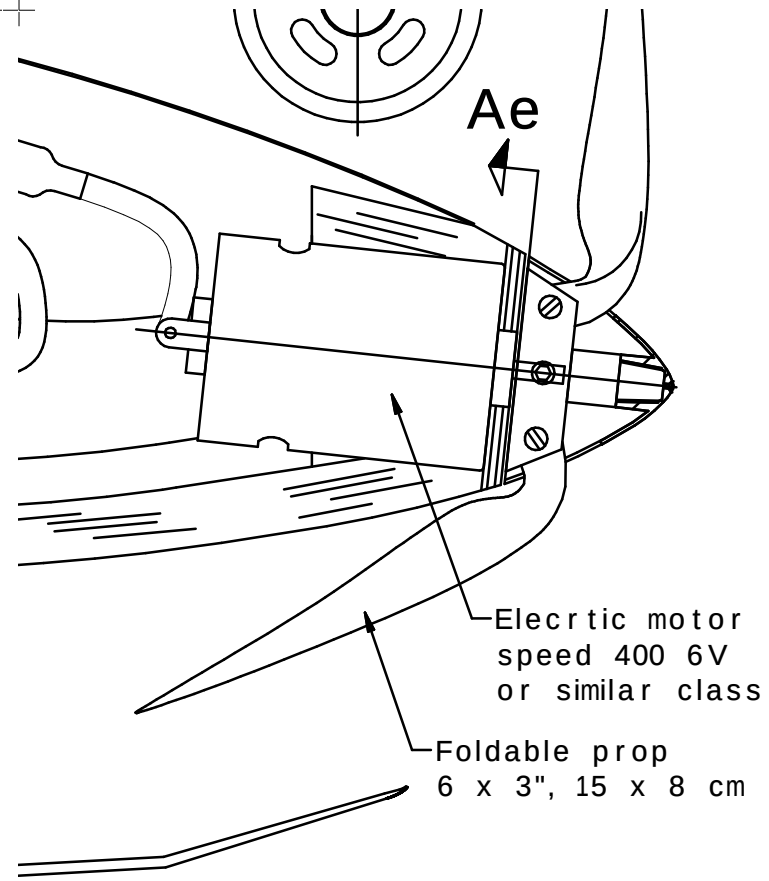


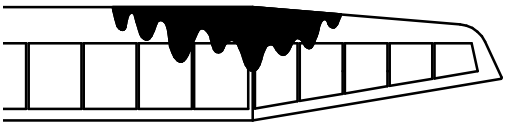
Shaped with shaving and sanding of balsa.

Electric version



Pure glider version





Wing span:	1500 mm
Wing area	20,4 dm^2
Wing AR:	11
Length :	805 mm
Take off mass:	320 (480*) g
Wing loading:	16 (24*) g/dm^2

(Data * are valid for electric version)

Designed by : M. Sersen - Erman

Scale: 1:1

RC MODEL OF GUPPY SAILPLANE