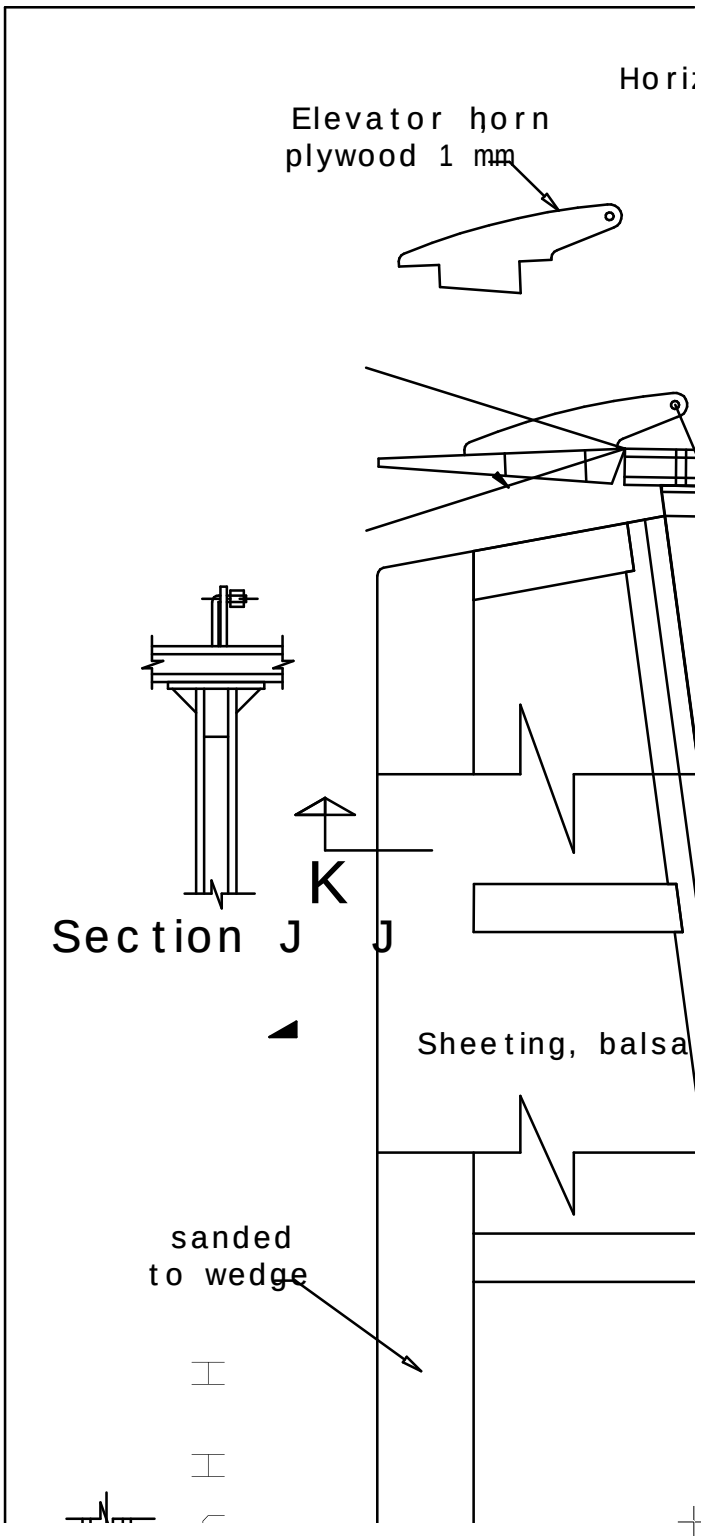
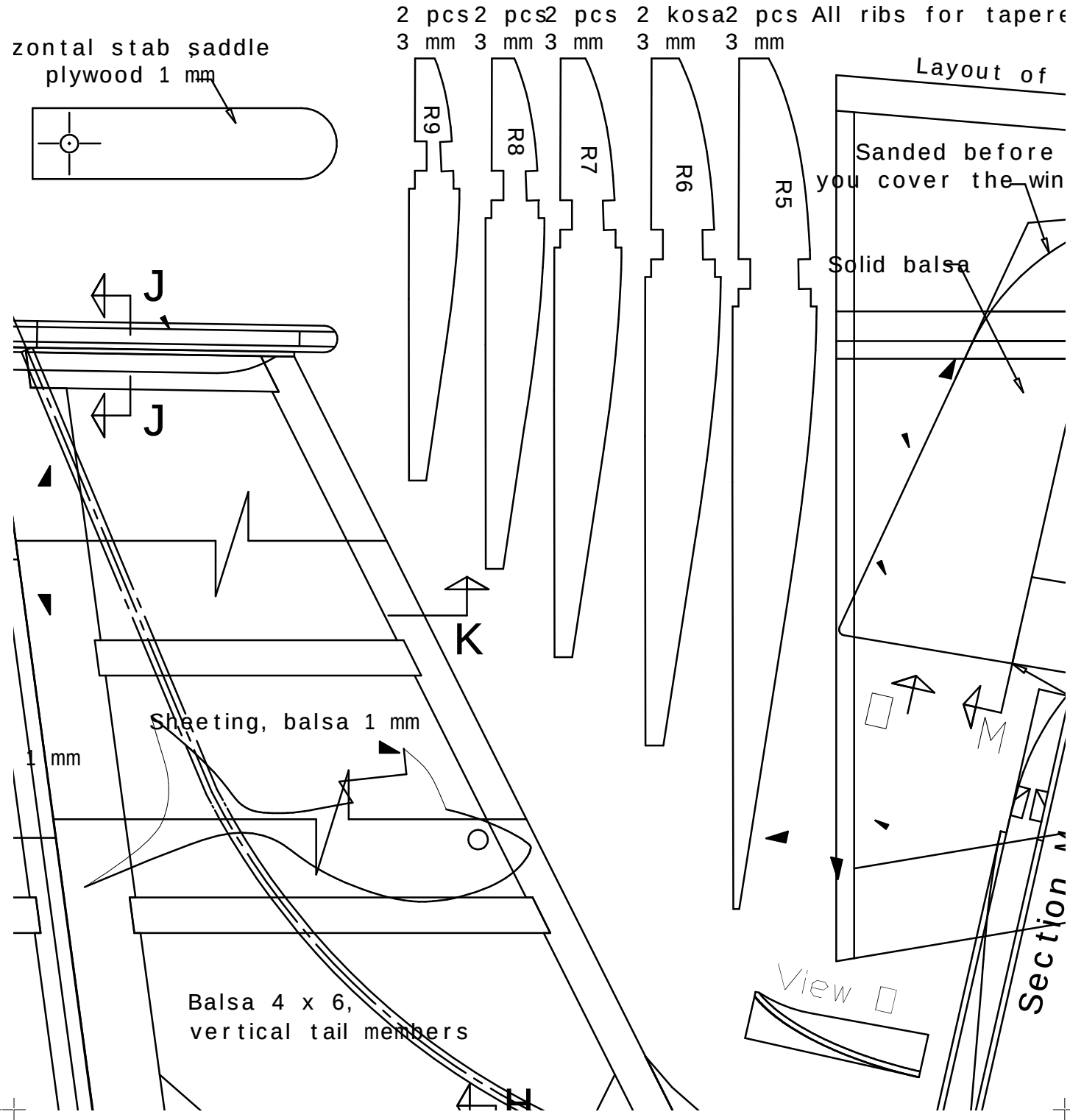
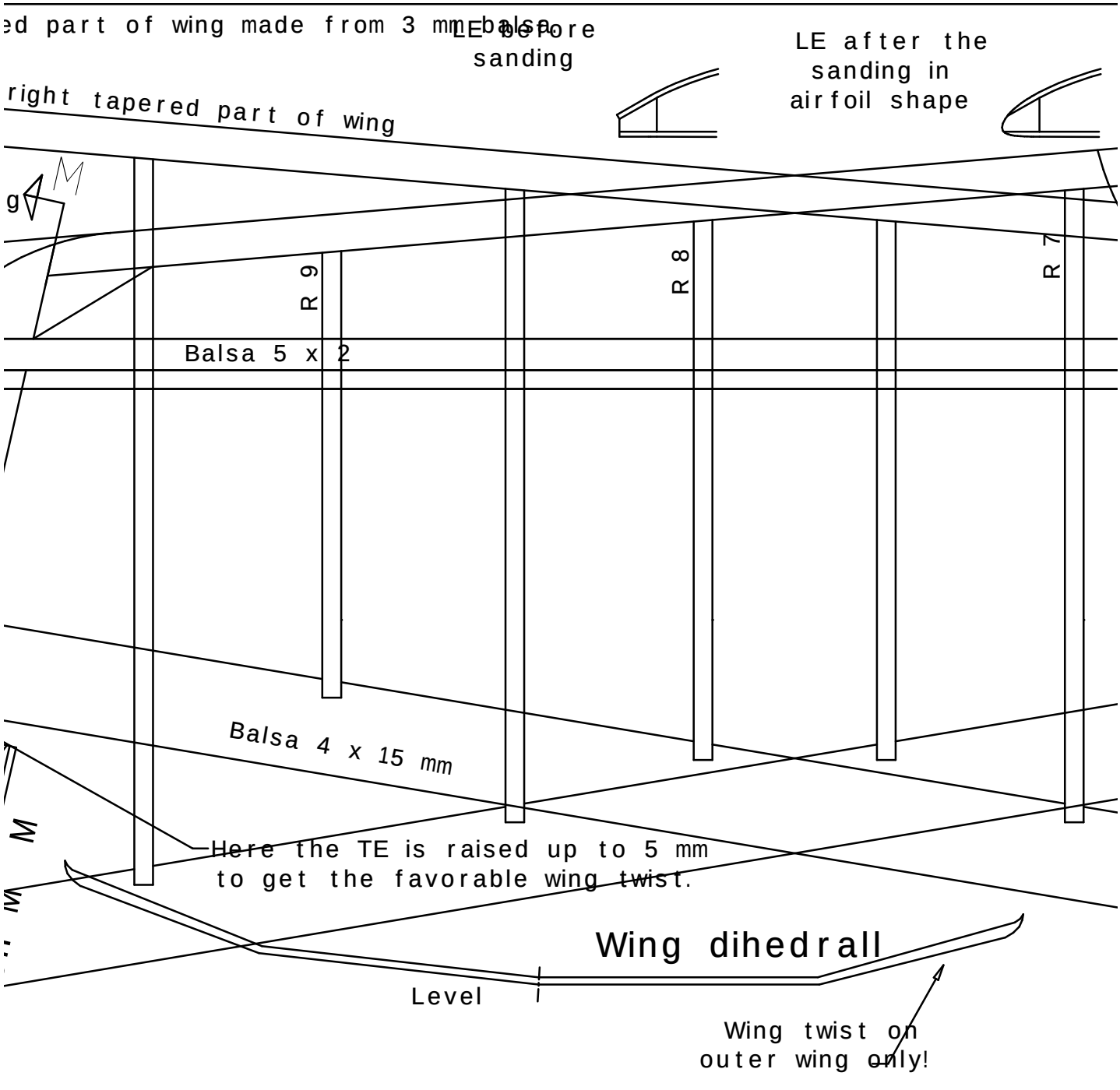
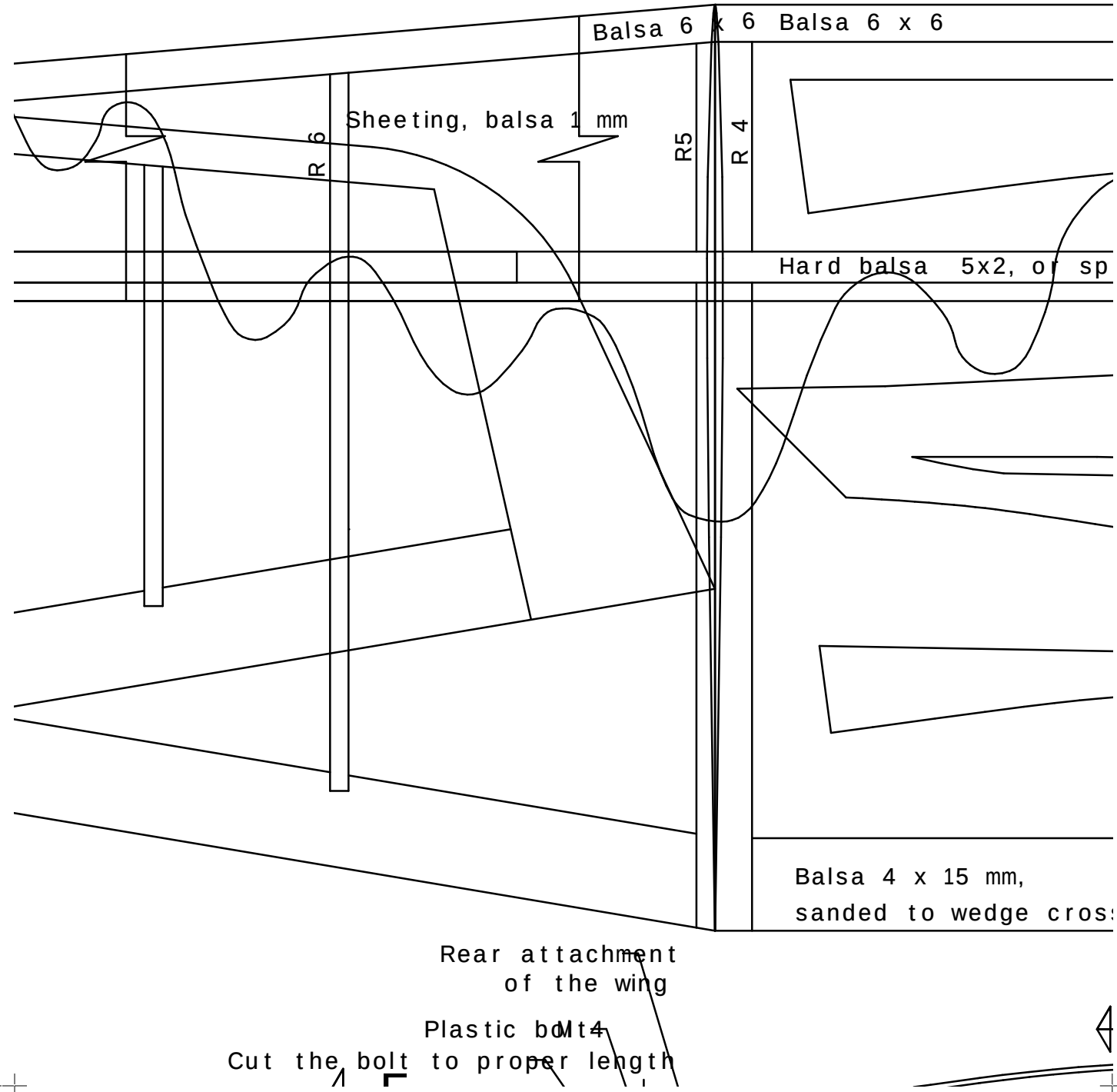
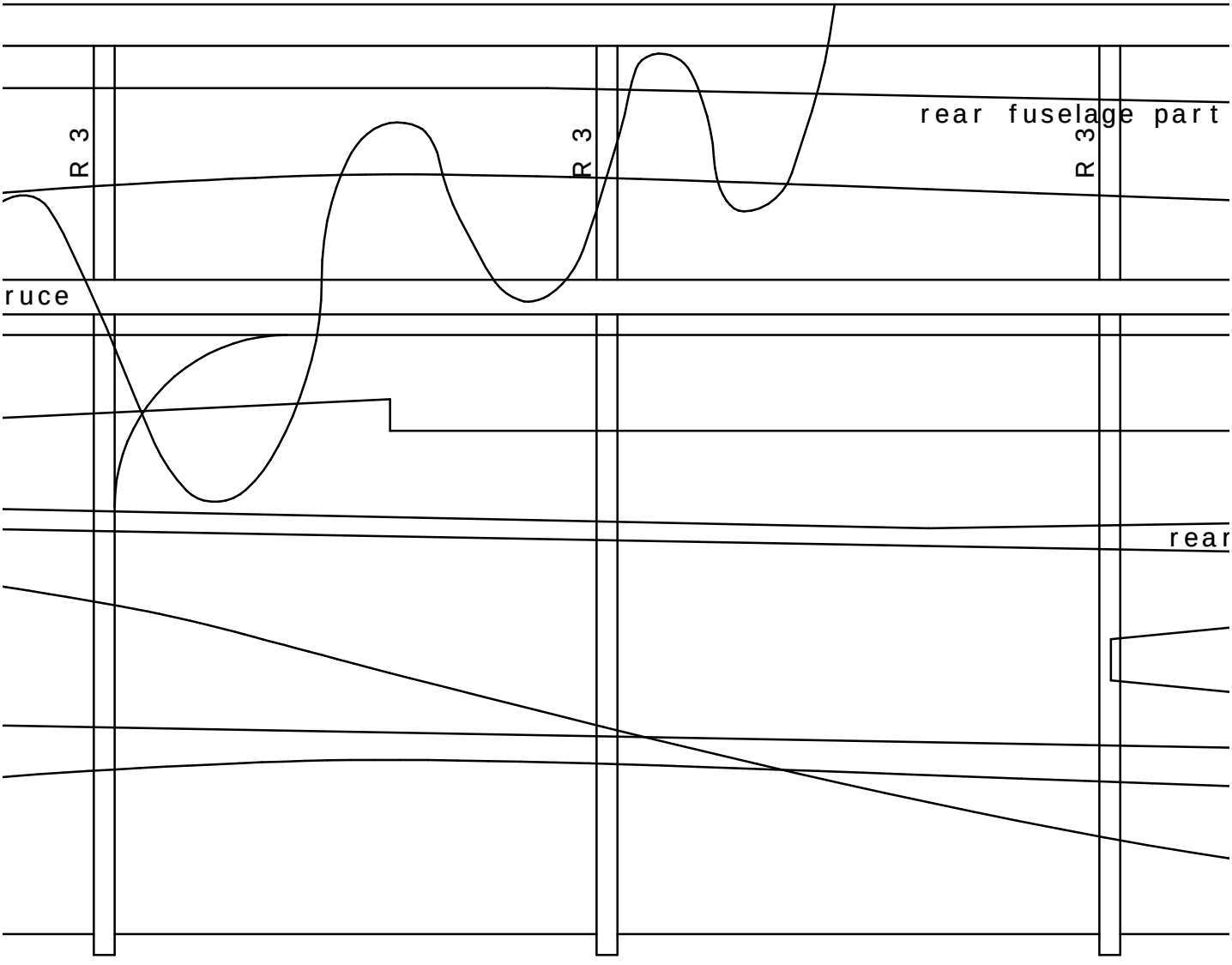

Hori
Elevator horn
plywood 1 mm
K
Section J J
Sheeting, balsa
sanded
to wedge

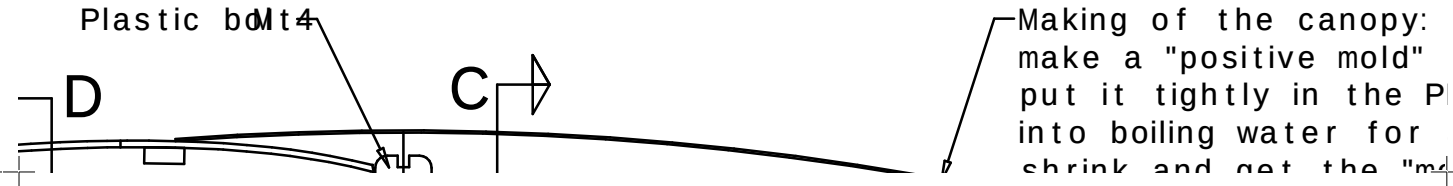

2 pcs 3 mm
2 pcs 3 mm
2 pcs 3 mm
2 kosa 3 mm
2 pcs 3 mm
All ribs for tapere
zontal stab saddle
plywood 1 mm
R9
R8
R7
R6
R5
Layout of
Sanded before
you cover the win
Solid balsa
J
J
K
Sheeting, balsa 1 mm
1 mm
M
View
Section
Balsa 4 x 6,
vertical tail members
N


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

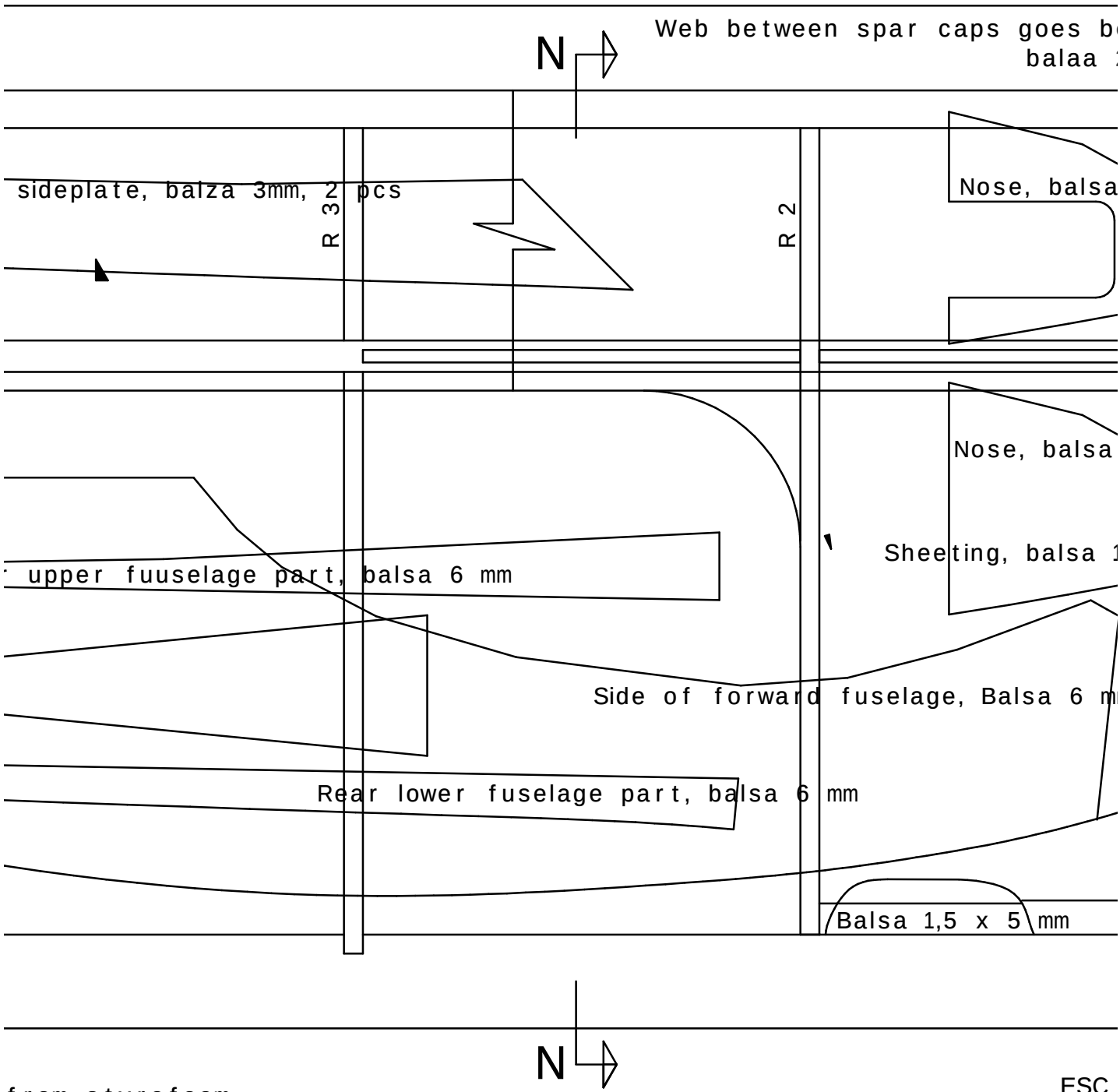

Balsa 6 x 6
Balsa 6 x 6
Sheeting, balsa 1 mm
R 6
R5
R 4
Hard balsa 5x2, or sp
Balsa 4 x 15 mm,
sanded to wedge cross
Rear attachment
of the wing
Plastic bolt M4
Cut the bolt to proper length



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



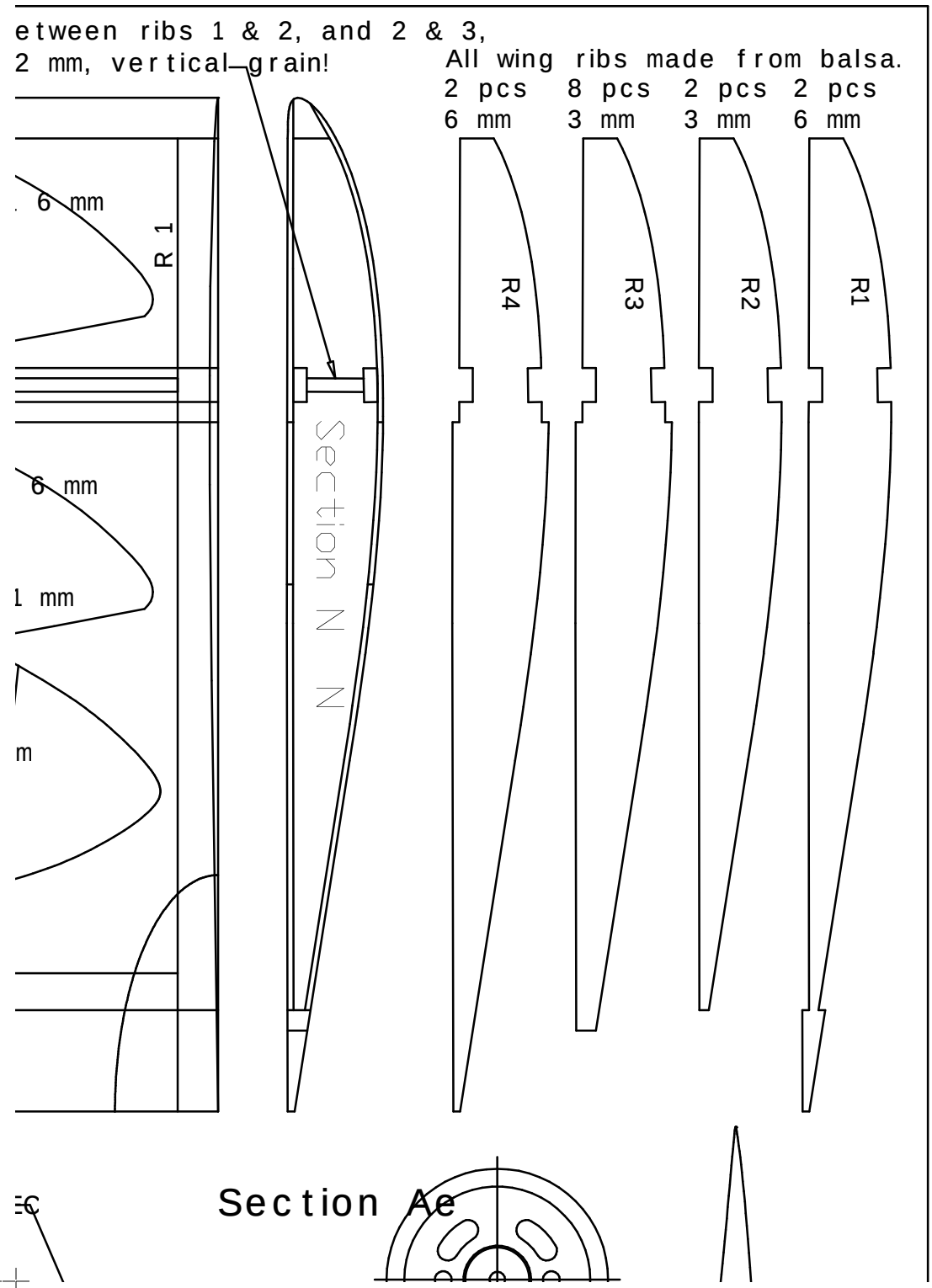
Making of the canopy:
make a "positive mold"
put it tightly in the P
into boiling water for
shrink and get the "m

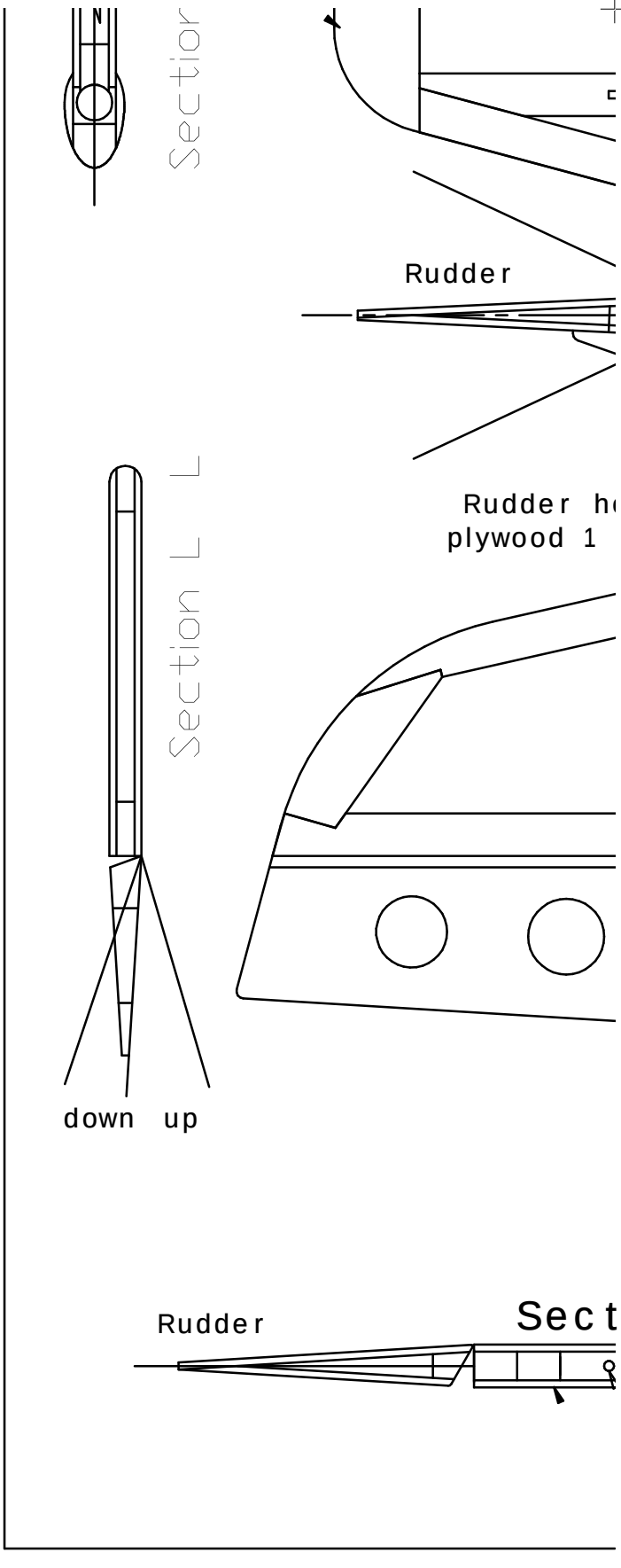


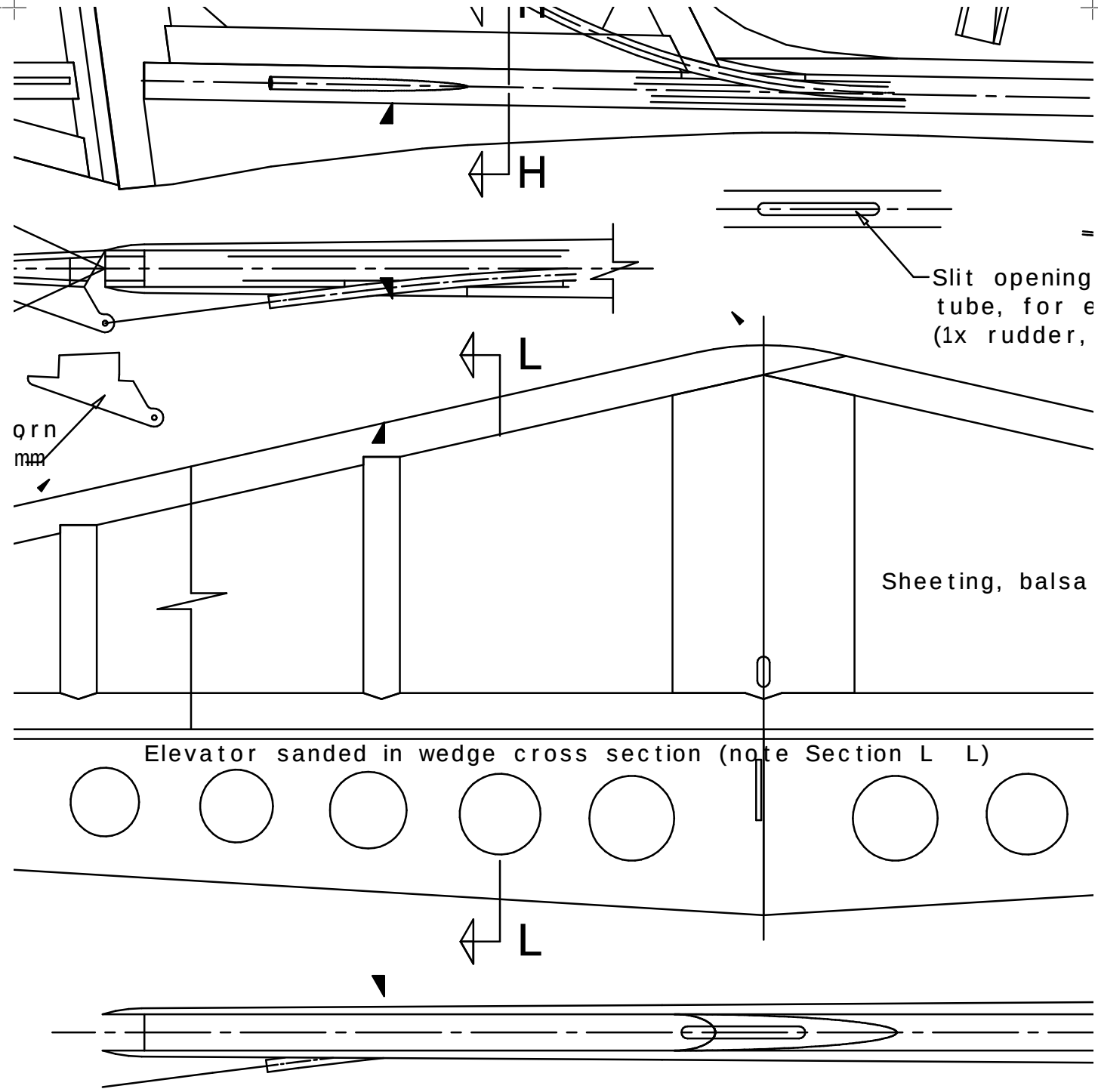
from styrofoam
ET bottle and dip it
a minute. PET will
ld" shape

Balsa cap, glued in

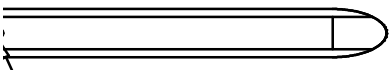
ESC
18-20A + BE


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

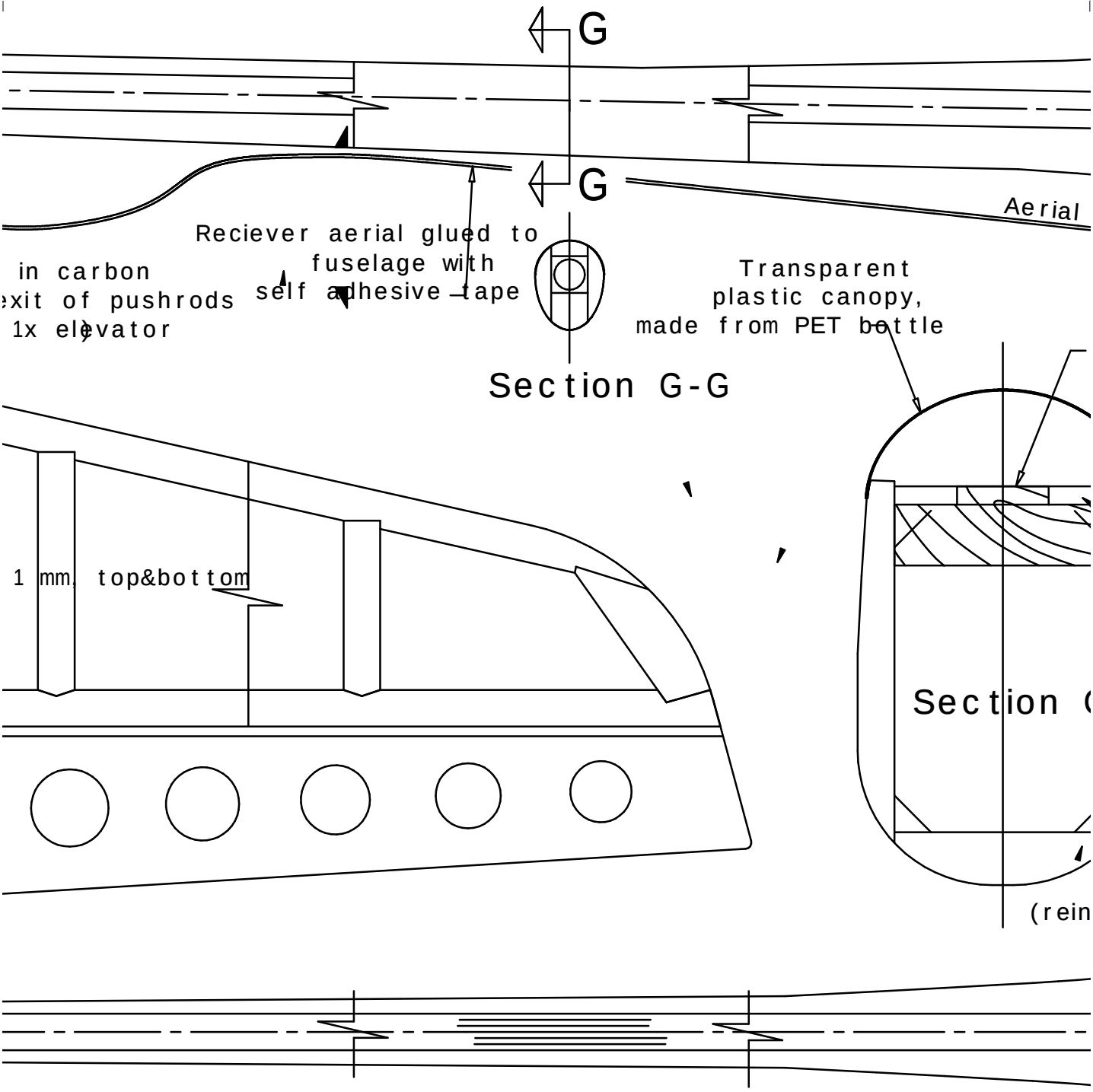

Sectior
Rudder
Section L L
Rudder h
plywood 1
down up
Rudder
Sect

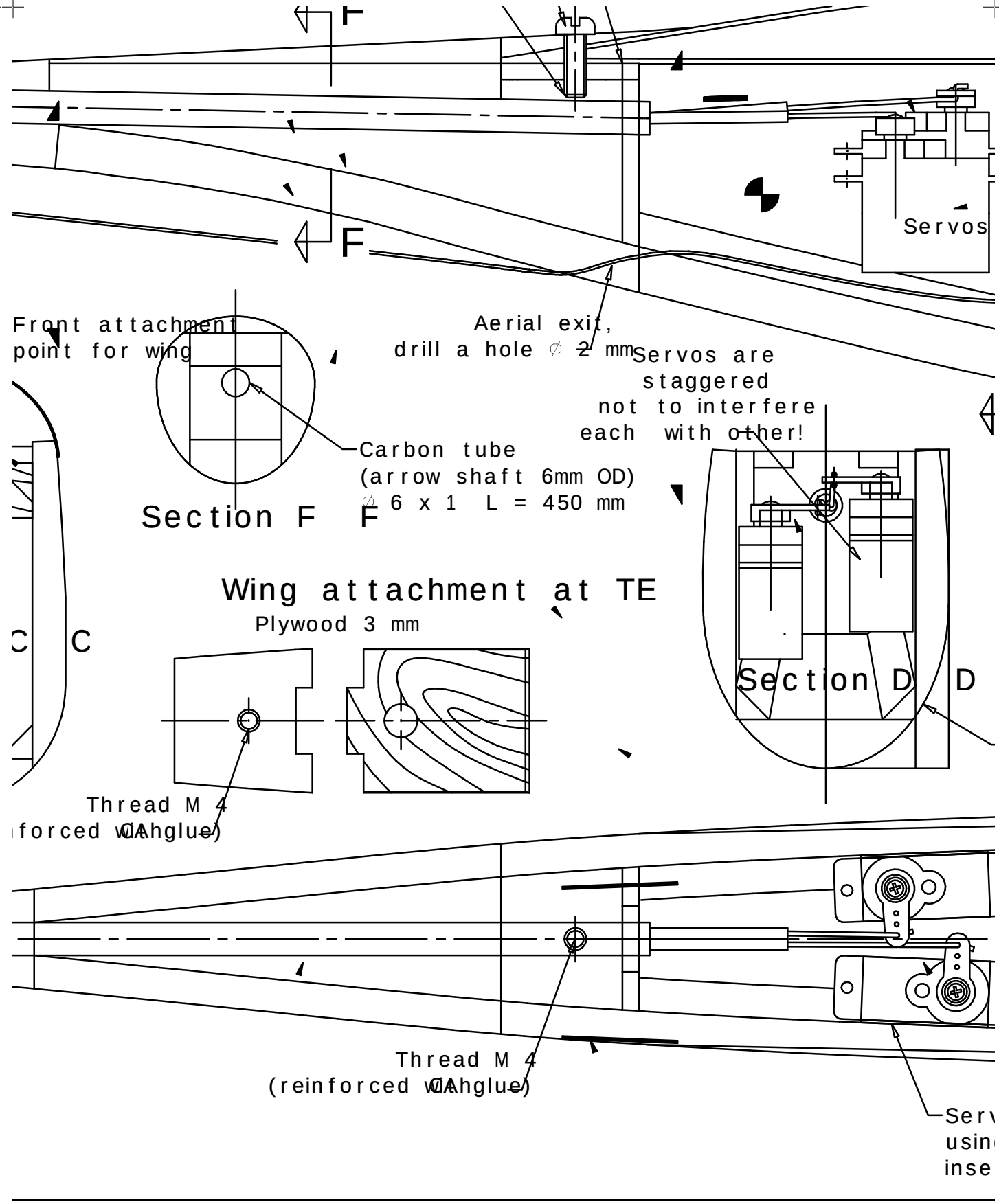


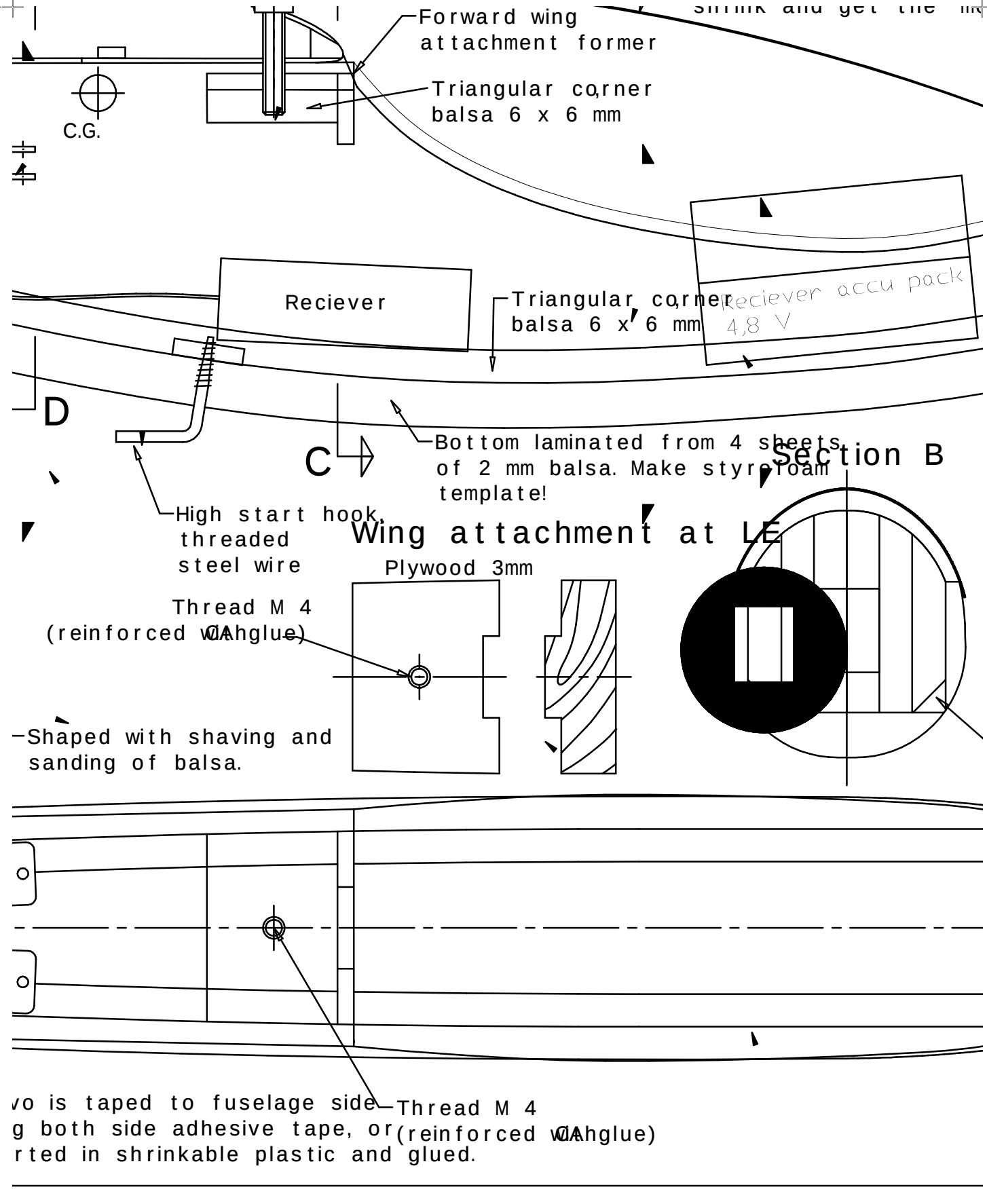
ion K K



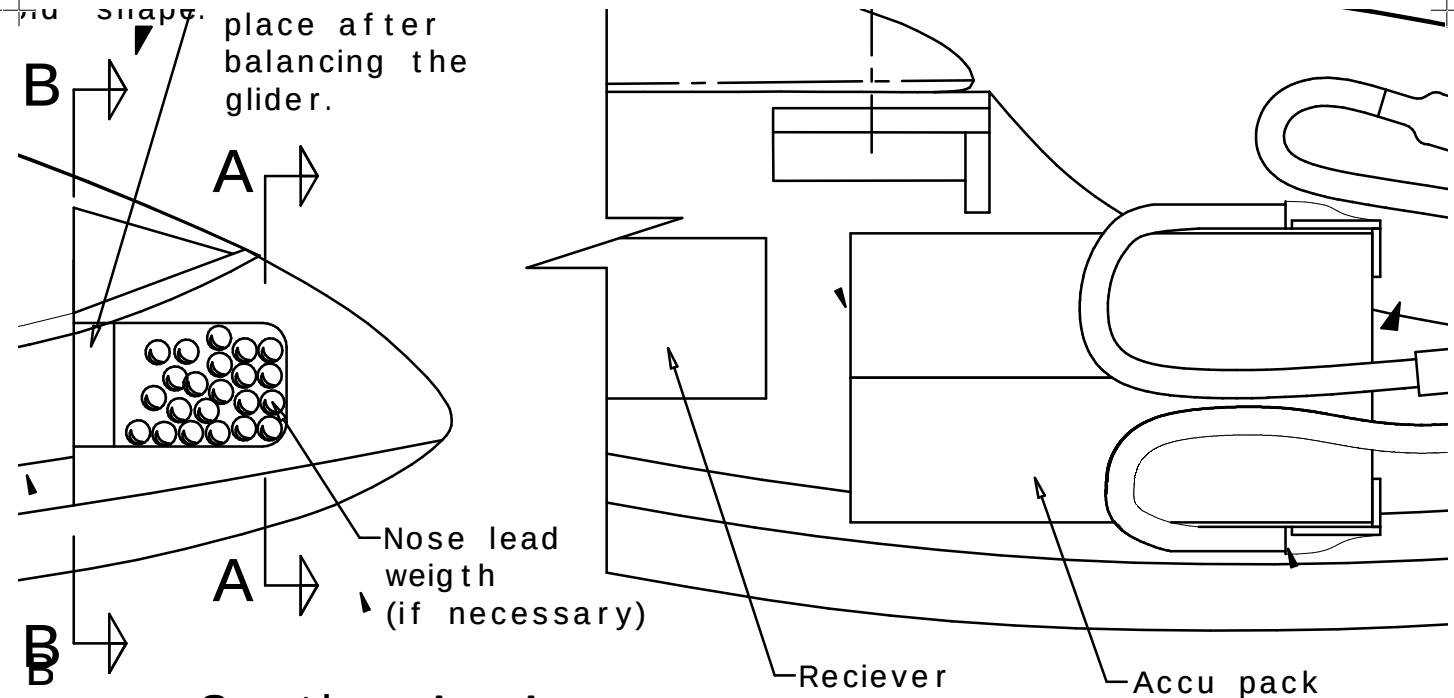
Pushrod vor elevator, ho 2mm in rib


G
G
Aerial
Reciever aerial glued to
fuselage with
self adhesive tape
in carbon
exit of pushrods
1x elevator
Transparent
plastic canopy,
made from PET bottle
Section G-G
1 mm. top&bottom
Section
(rein

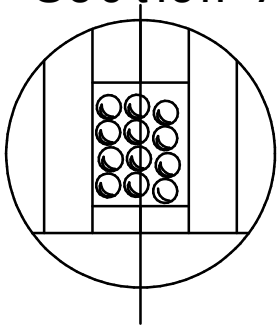

F
F
Servos
Front attachment
point for wing
Aerial exit,
drill a hole ∅ 2 mm
Servos are
staggered
not to interfere
each with other!
Carbon tube
(arrow shaft 6mm OD)
∅ 6 x 1 L = 450 mm
Section F F
Wing attachment at TE
Plywood 3 mm
C C
Section D D
Thread M 4
(reinforced with CA glue)
Thread M 4
(reinforced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



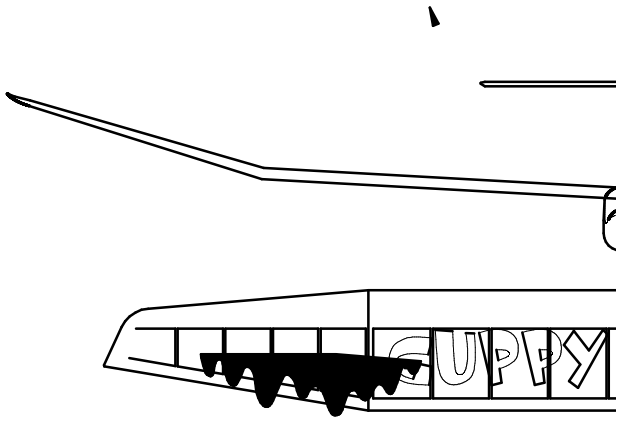
vo is taped to fuselage side
g both side adhesive tape, or
rted in shrinkable plastic and glued.



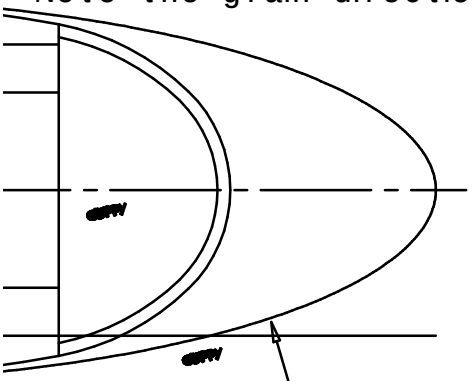
Section A A



Triangular corner, filling
balsa 6 x 6 mm.
Note the grain direction!

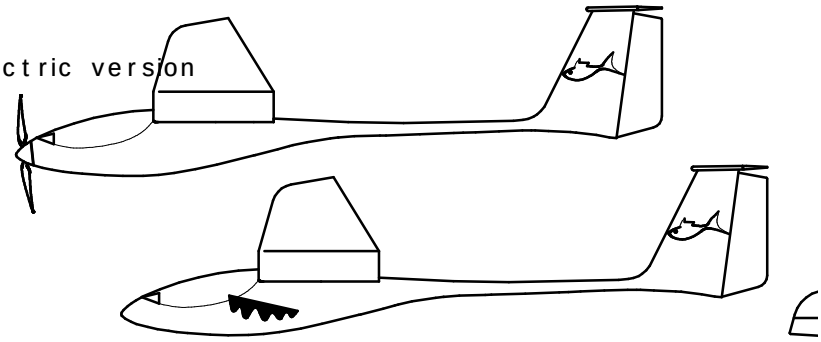


GUPPY

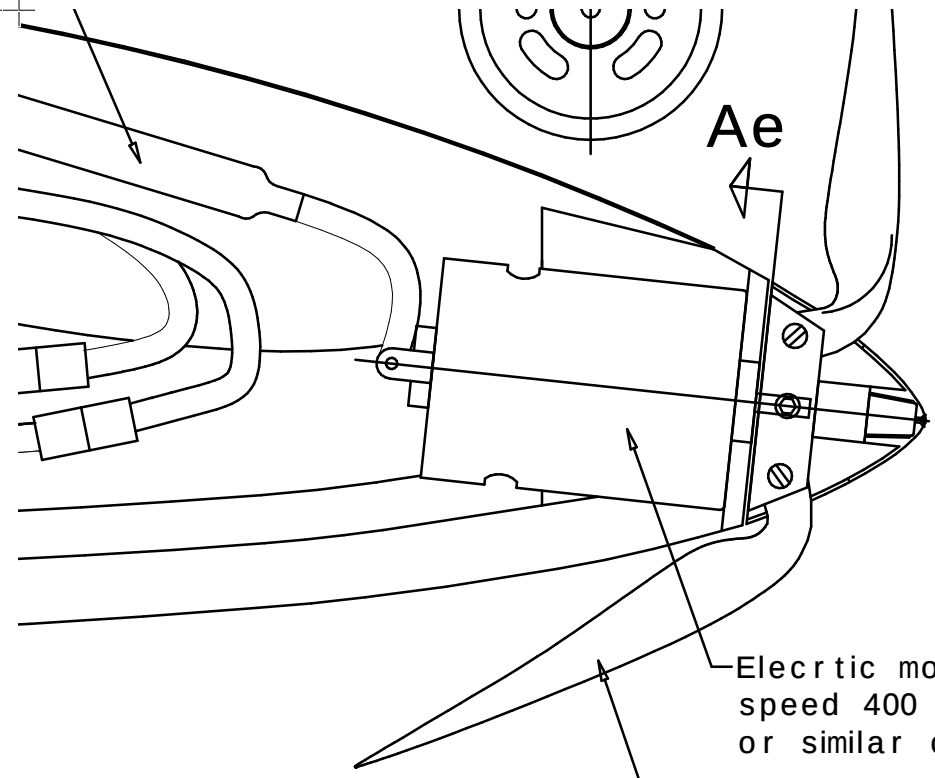


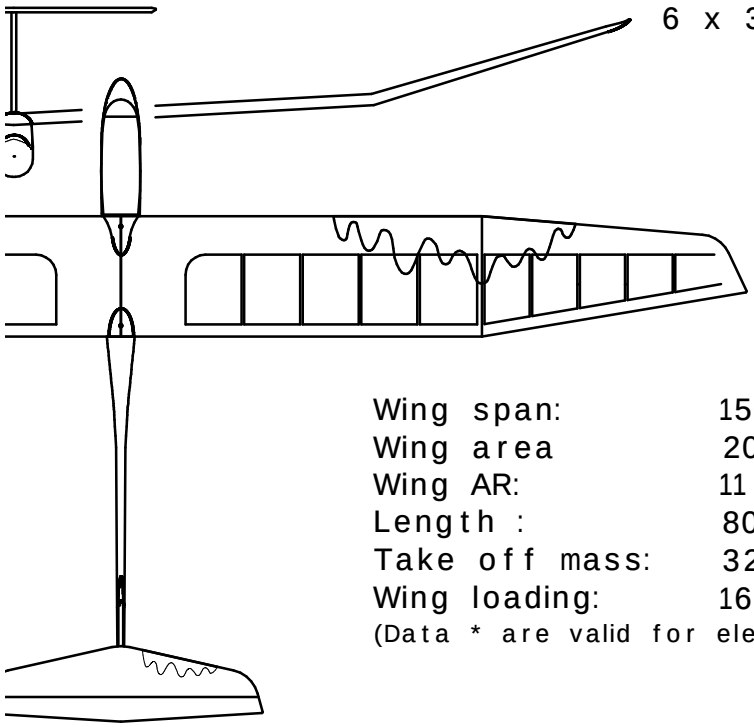
Shaped with shaving and
sanding of balsa.

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