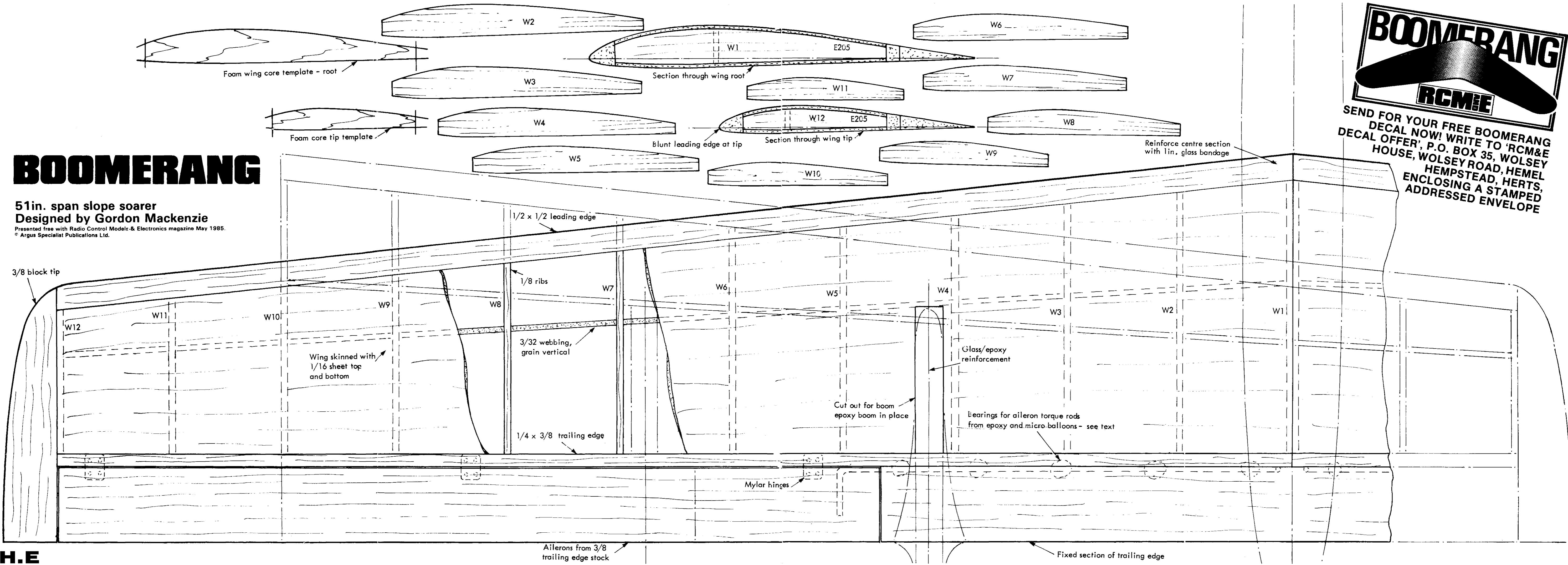


# BOOMERANG

51in. span slope soarer  
Designed by Gordon Mackenzie

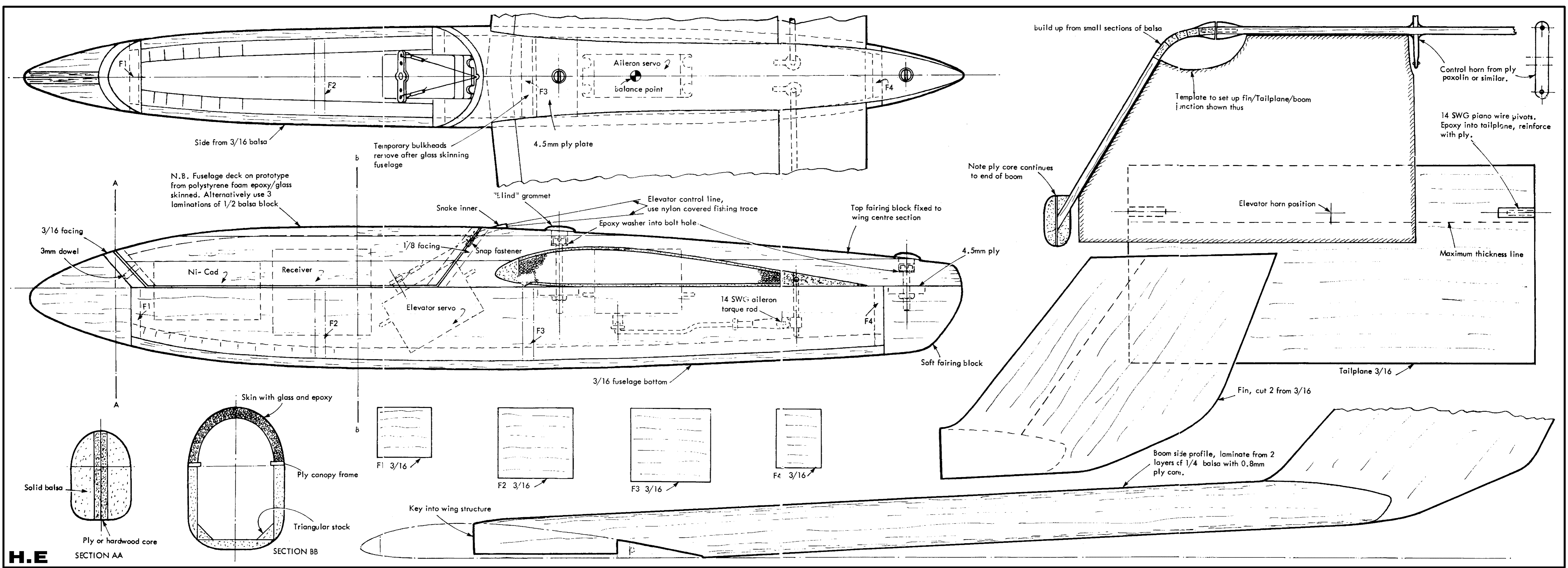
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ENCLOSING A STAMPED  
ADDRESSED ENVELOPE

Ailerons from 3/8 trailing edge stock

Fixed section of trailing edge



N.B. Fuselage deck on prototype from polystyrene foam epoxy/glass skinned. Alternatively use 3 laminations of 1/2 balsa block

Temporary bulkheads remove after glass skinning fuselage

Side from 3/16 balsa

3/16 facing  
3mm dowel

Ni-Cad  
Receiver

Elevator servo

Skin with glass and epoxy  
Ply canopy frame  
Triangular stock

Solid balsa  
Ply or hardwood core

Aileron servo  
balance point

4.5mm ply plate

"blind" grommet

Elevator control line, use nylon covered fishing trace

Epoxy washer into bolt hole

Top fairing block fixed to wing centre section

14 SWG aileron torque rod

Soft fairing block

3/16 fuselage bottom

F1 3/16

F2 3/16

F3 3/16

F4 3/16

Key into wing structure

build up from small sections of balsa

Template to set up fin/Tailplane/boom junction shown thus

Note ply core continues to end of boom

Elevator horn position

Maximum thickness line

Fin, cut 2 from 3/16

Tailplane 3/16

Boom side profile, laminate from 2 layers of 1/4 balsa with 0.8mm ply core.

Control horn from ply paxolin or similar.

14 SWG piano wire pivots. Epoxy into tailplane, reinforce with ply.