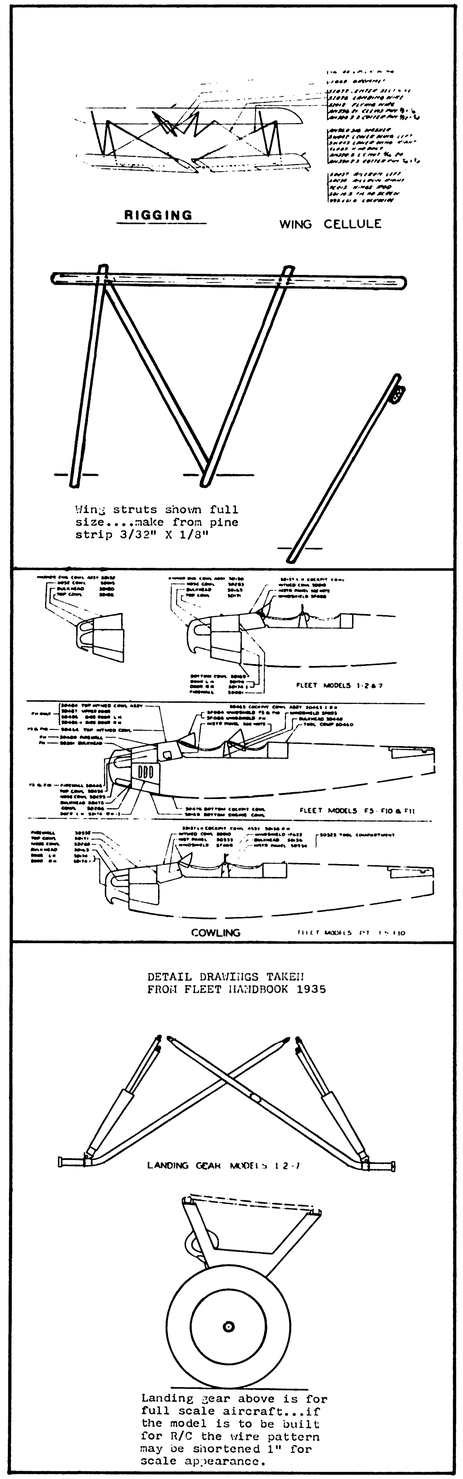

Cut out on lower wing to fit fuselage.

1/4" sq. balsa

1/6" balsa fill in on bottom of top wing and top of lower wing.

1/8" balsa fill in on bottom of top wing only.

1/16" ribs

1/4" balsa

1/3" ribs

1/8" x 3/8"

1/8" x 3/8"

1/8" balsa

1/8" balsa

UPPER

LOWER

Upper and lower panels are the same except as shown by dotted lines. Lower panels are joined together using 1/16" plywood brace. Ailerons are on lower wing only.

Bottom wing dihedral here. Top wing made in one piece. No dihedral in top wing only except for rubber power and free flight.

Space between lower wing panels filled with 1/8" balsa sheet.

1/8" sq.

Top wing spars are 1/16" x 3/16" spruce for R/C only. Balsa for free flight 1/8" x 3/16"

Wing walk
Fill in between ribs with 1/16" balsa.

Lower wing reenforcement strips 1/16" plywood.

1/16" plywood for rubber power
1/8" for COX .020 power & R/C.

1/8" Med. Balsa

Rigging...15# monofilament fising line.

1/8" x 1/4"

1/8" sq. balsa

Use 1/8" hard wood dowel the complete length of elevator for R/C models... Hinges may be installed in the shaded areas.

This area may be filled in with soft balsa block instead of stringers on R/C models.

Longitudinal Axis (level)

All wing struts to fuselage 1/8" plywood strips. Interplane struts 1/16" X 1/8" pine.

Add pine strip 1/8" X 3/16" to side of struts if wing is made removeable..epoxy in place.

All fuselage and tail stock 1/8" medium balsa except as noted. Stringers are 1/16" x 1/8" balsa.

NOTE incidence

Headrest used on some models. Make from soft balsa scrap.

Side view illustrates rubber powered model.

Top cowling 1/8" soft balsa.

Top stringer 1/8" sq.

1/8" balsa

1/8" sq.

1/8" balsa

A B C D E F G H

BAT

REC/ SERVO

1/8" x 1/4"

1/8" balsa

Cut out for wing.

1/8" sq.

Fill in with 1/8" balsa for rubber power or R/C.

1/16" and 3/32" Aluminum tube used for tailwheel post.

Engine made from soft balsa block and WILLIAMS BROS.1" scale plastic cylinders.

Cowling cover 1/16" balsa sides

Fill in bottom with 1/8"balsa

1/16" balsa fill in

1/16" m.w. for R/C models.

FUEL

2" TREXLER air wheels

Bulkhead (A) and Firewall pattern

ONE HALF PATTERN FULL SIZE

Front landing gear pattern .047" H.W.

Rear landing gear pattern .047" H.W.

R/C .020

FLEET 16B

Design & Drawing By ART REINERS

R/N MODELS H.E