

PLAN VALUE
3 1/6

TYRO

45" span sport radio control model for single channel or lightweight multi-channel units.
designed by David Boddington

Assemble all longerons, doublers, uprights, then bearers on fuselage sides before joining together with made up formers and cross members. Finally adding cabin block, ply plates, top and bottom sheet.

FROG 100 shown

3" x 2" x 1/2" block

Balance point

2.3/8" dia. wheels

6 B.A. bolts

18 s.w.g. Torque rod

1 oz. Fuel bottle

Battery area

Receiver area

ELMIC CONQUEST Escapement

Torque rod line

Rubber motor line

18 s.w.g. hook

Small eyelets

3/8" sheet doublers extend from nose to front face of F2. Leave open underneath

1/8" Crossgrain

1/8" ply

1/8" x 3/16" Spruce stop

14 s.w.g. Dural undercarriage

3/16" Longerons

16 s.w.g. Tailskid

3/16" Tailplane dowels

3/16" sq. spar and centre ribs

3/16" Doubler tail supports

F1

F3

3/16" x 3/4" Doubler

F4

R5 3/16" x 1/2"

20 s.w.g. yoke

1/8" Paxolin engine plate

1/8" sheet to underside of bearers

F1

3/8" sq. bearers

F2

3/8" Doubler

3/16" Doubler

1/2" x 3/16" doublers

3/16" sq. Uprights

3/16" x 3/8" Runners to accept plywood plate for escapement

1/2" x 3/16"

3/16" sq. longerons and uprights

Aluminium hinge

3/16" x 3/16"

3/16" x 1/2"

3/16" x 3/8"

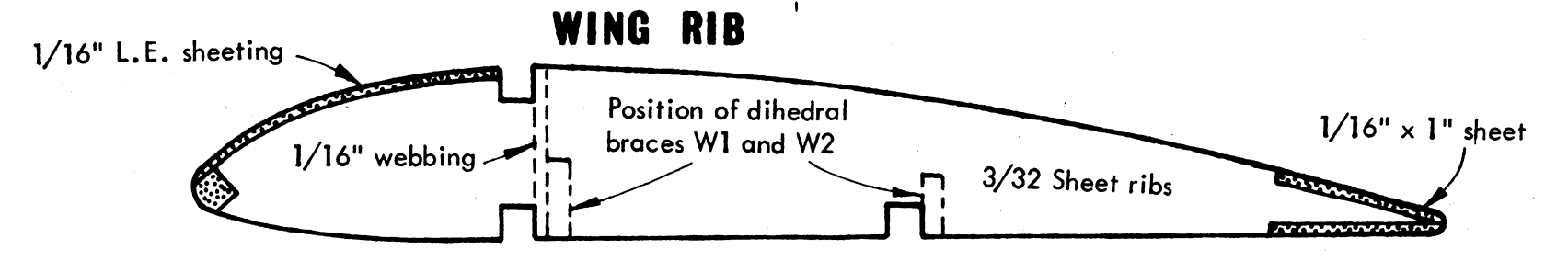
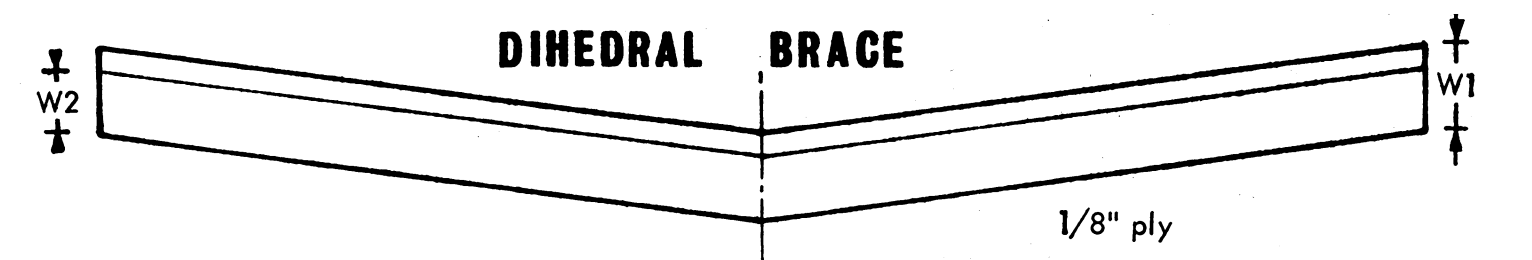
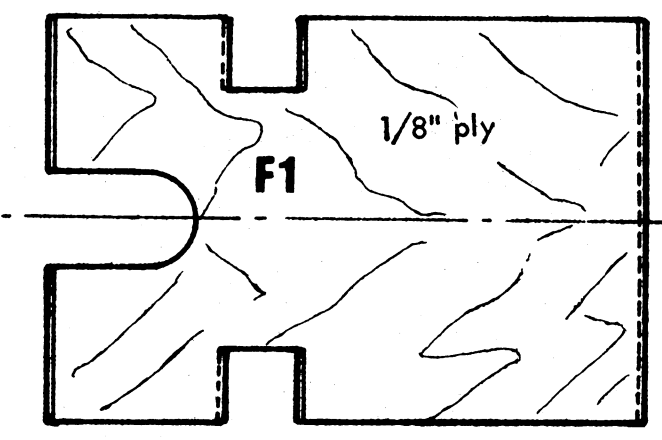
R4 3/16"

1/16" Sheet crossgrain

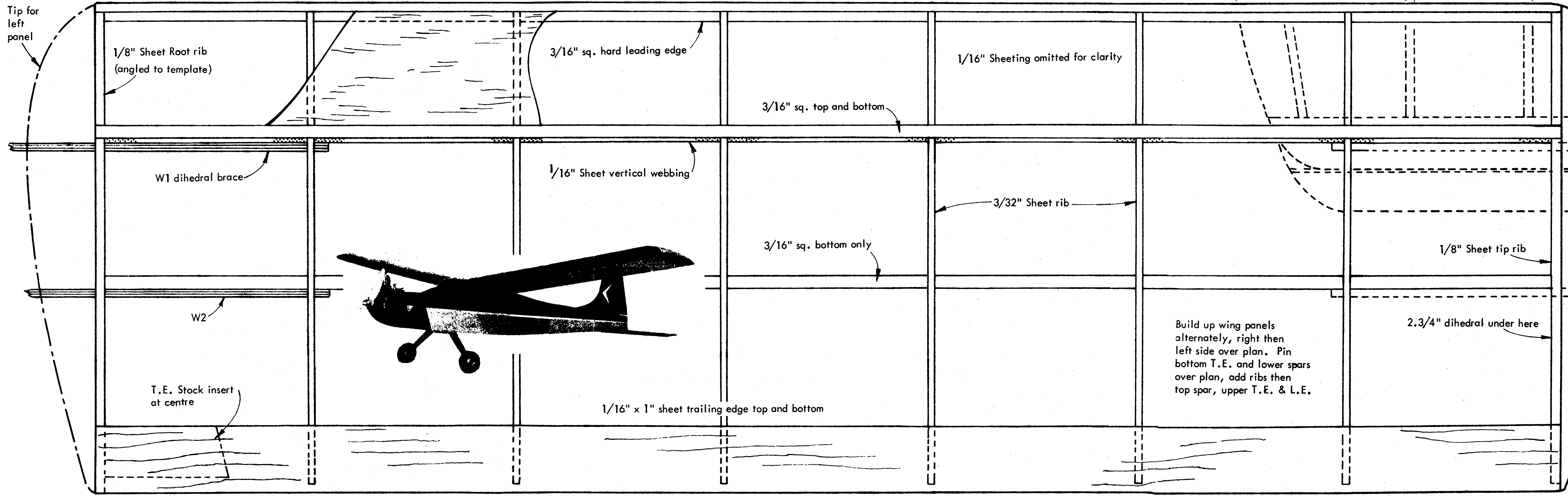
1/16" Sheet sides from extreme nose to tail

1/2" x 1/2" block

DIHEDRAL TEMPLATE



2.3/4" dihedral under each end rib



Build up wing panels alternately, right then left side over plan. Pin bottom T.E. and lower spars over plan, add ribs then top spar, upper T.E. & L.E.

