RWD-8

DESIGNED AND DRAWN BY | MAREK KLIMCZAK

0 1 2 3 4 5 6

By H.E

NOTE: MANY OF THE CONTROL SURFACE FITTINGS CAN BE PURCHASED FROM

PROCTOR ENTERPRISES, CORP.
P.O. BOX 9641, SAN DIEGO, CA. 92109
One dollar for catalogue

NOTE: Cowl and bottom access hatch maybe carved from balsa blocks or carve from urethane foam and cover with 2 layers of 3/4 oz. glass cloth and resin. After curing, sand entire cowl and hatch smooth. The foam can then be dissolved with thinner.

Center of gravity range (8-11/16" to 9-1/2")

C.G.

Aileron servo

1/4" nylon screws

3/64" music wire

Acetate windshields

Fiberglass cowl

Color line

1/8" sheet balsa turtle deck

F1 F2 F3 F4 F5 F6 F7 F8 F9 F10

Battery

Receiver

Servos

Fiberglass cowl

1/8" x 3/8" balsa

1/32" sheet bottom

Cut from 3/32" epoxy board. Epoxy to bearing tube making sure both elevator cranks are aligned.

Fuselage sides 3/32" plywood or 1/8" lite-ply

Cut lightning holes

3/32" ply

3/16" sheet balsa

1/16" steel wire springs

3/16" steel wire

4" dia. wheels

1/16" dural. sheet

1/16" dural. sheet

1/16" dural sheet

1/4" balsa gusset

3/8" balsa

1/32" steel sheet

1/16" sheet balsa

1/4" balsa

3/16" plywood

1/8" balsa

Block balsa

RWD-8

Elevator throw 20° up and 20° down

1/8" sheet balsa

1/8" plywood

3/32" plywood

3/16" x 1/2" balsa

Nylon hinge

1/64" ply gussets

1/16" sheet balsa

3/16" balsa

1/8" balsa

1/4" sheet balsa

Rudder support strap

1/4" sheet balsa

3/32" plywood

3/32" plywood

1/8" sheet balsa

Fiberglass cowl

1

2

Engine mount shown is set up for a Webra speed .61 and is made from hardwood and 1/8" plywood. Any commercial mount can be used.

1/4" dia. duraluminium tube

Rudder cable shroud Block balsa (hollowed)

Elevator servo

1/8" ply

12oz. fuel tank

Throttle cable

Throttle servo

Rudder servo

Wing mounting nuts on dural plates-weld to cabane assembly

3/32" epoxy board horns

Rudder throw 40° each direction

Steel wire

3/32" ply

1/8" ply

Hole for throttle cable

3/16" ply

F1

1/8" sheet balsa

3/32" plywood

Fabric line

1/8" balsa longeron

F8

1/8" sheet balsa (cross-grain)

Cabane struts attached to bulkheads with 1/16" alum. straps.

6-32 screws

1/16" plywood cockpit floor

1/8" plywood

Holes for throttle cable

1/8" balsa longerons

3/16" lower sheet balsa

Wing strut pickup points from 1/16" dural. One req'd front and rear of F4

F4

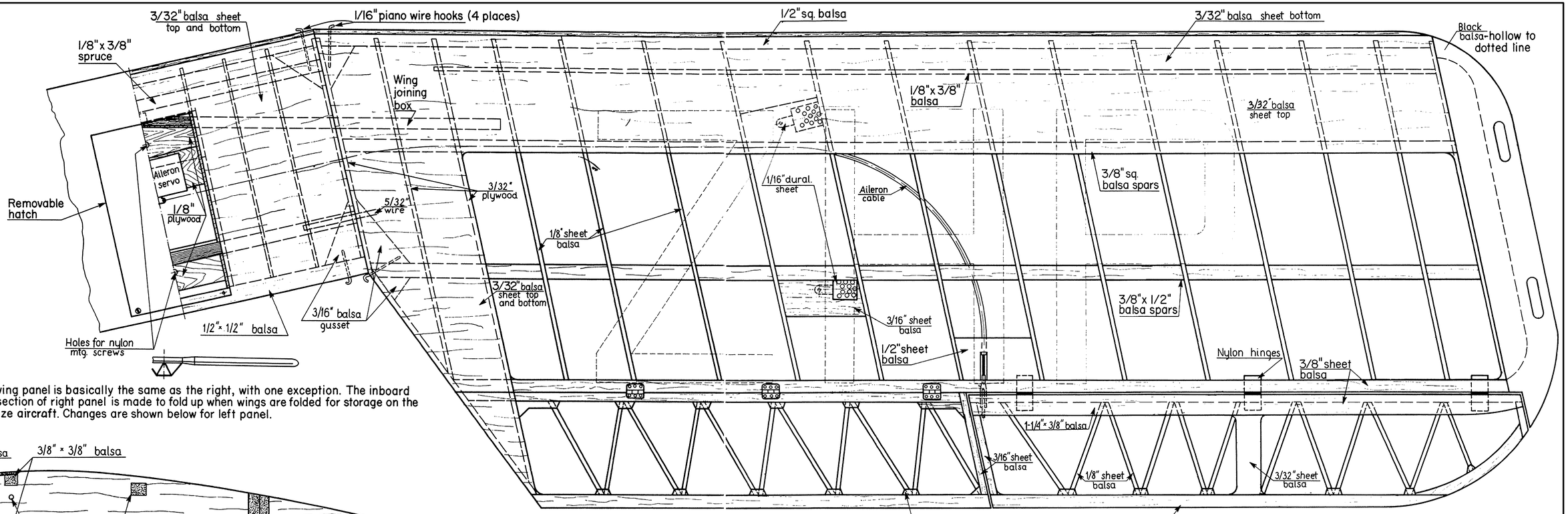
F2

COLOR SCHEME

SILVER···· Top of wing, stab and elevator, entire fin and rudder. Fuselage aft of color line. Registration letters on bottom side of wing.

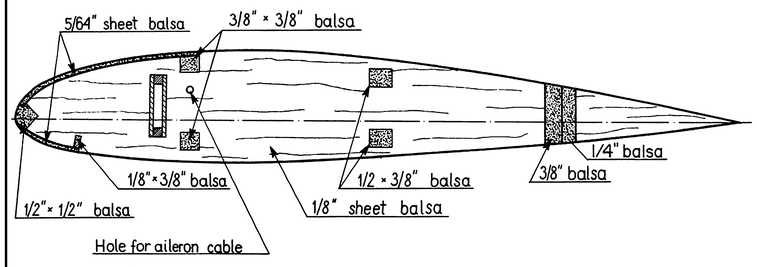
RED····· Bottom of wing, stab and elevator, wing and stab struts, entire landing gear including wheel hubs. Fuselage forward of color line. Lettering on top of wing, on fin and rudder.

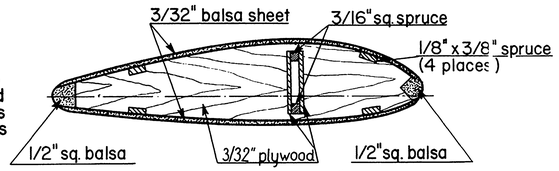
LT. GREY·· Inside of cockpit and instrument panel.



NOTE: Left wing panel is basically the same as the right, with one exception. The inboard rear section of right panel is made to fold up when wings are folded for storage on the full size aircraft. Changes are shown below for left panel.

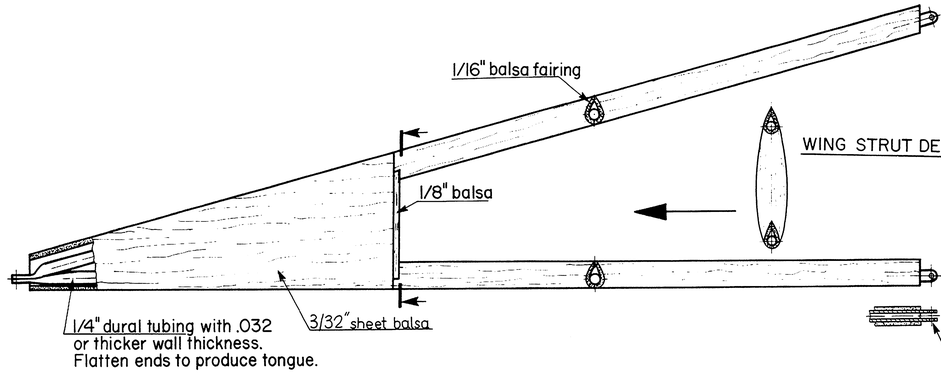
Hinged portion of right wing par el can be made to fold or left as dummy. Builder's choice.





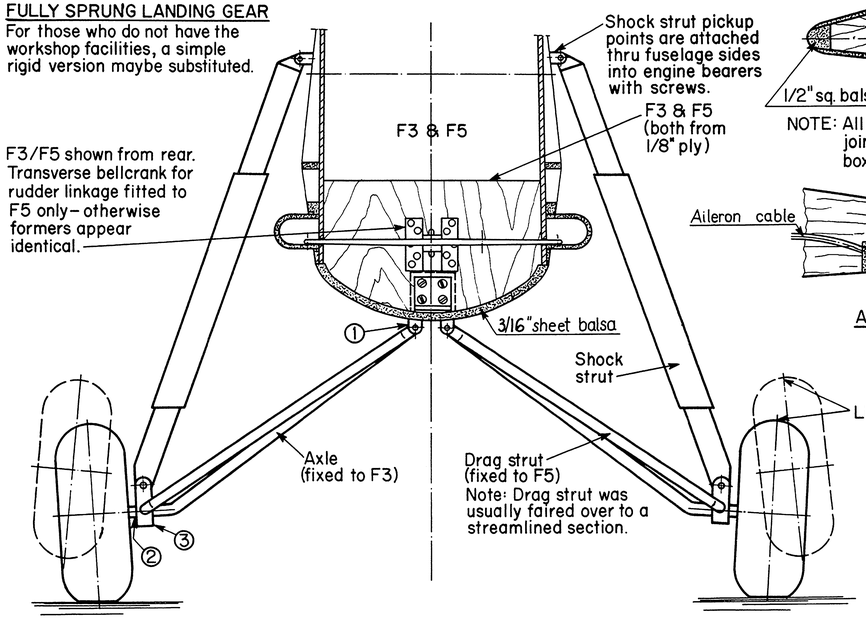
NOTE: All center section ribs are 3/32" ply. Make 4 wing joining boxes from 3/32" ply & 3/16" spruce. Build boxes around 3/16" tongue for snug fit.

AILERON DETAIL



FULLY SPRUNG LANDING GEAR

For those who do not have the workshop facilities, a simple rigid version maybe substituted.

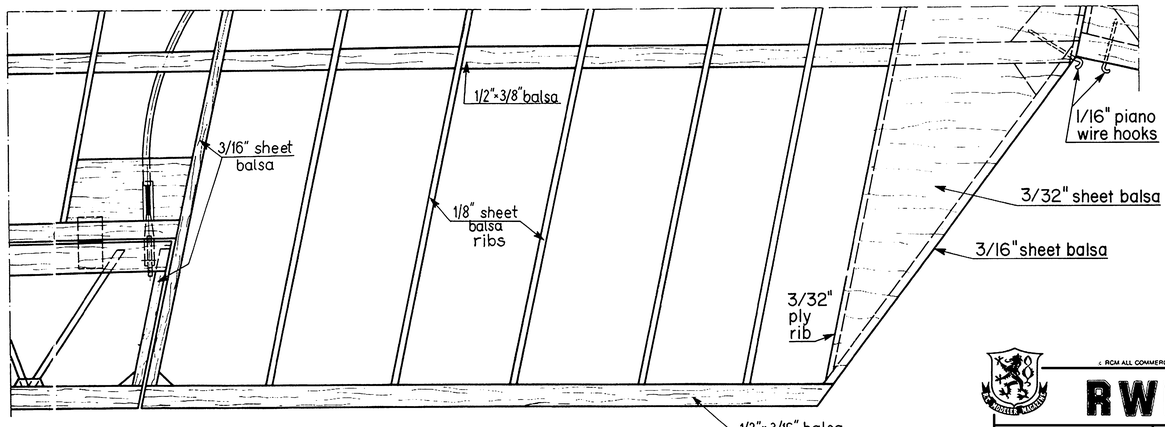


L.G. is built in 3 parts as follows– ①AXLE: Make from 3/16" piano wire. Attach top of axle with steel bolts to support plates on F3. Axle must swing freely.

②SHOCK STRUT: Fabricate from steel & dural. See section on sheet 1 for reference. Axle goes thru bottom end of shock strut.

③DRAG STRUT: Make from 3/16" piano wire. Top of strut is bolted to support plates on F5. (Refer to side view) Bottom end is fitted to rear of shock strut/axle joining block.

NOTE: Wing is built and rigged flat – NO DIHEDRAL



LEFT HAND WING DETAIL

RWD-8

DESIGNED AND DRAWN BY MAREK KLIMCZAK

By H.E