Polikarpov Po-2
Designed by Christian Moes
A 37 3/8" span electric sport-scale model for 80W brushless outrunner & 3 function R/C

Sheet 2 of 2

ALL WOOD IS BALSA
UNLESS OTHERWISE NOTED

Note:
Upper & Lower Wing Panels (outboard of dihedral breaks) are identical - except interplane strut ribs (R4 & R5)

R2 R2 R1 R1 R1 R1 R2 R2 R3 R3 R3 R3 R3 R4 R3 R3 R3

Centre section 1/16" sheet Top & bottom

1/4" x 7/16" Leading edge

3/16" Sq. spars Top & Bottom

1/16" sht gussets

1/4" sheet

Tip rib - 1/16" sheet shape to suit

1/16 sheet ribs

Interplane struts are optional - Use single "R3" rib here if struts are not used

3/16" sheet tip brace

soft balsa laminate to suit

3/32" sheet tip

UPPER WING PLAN
Top sheet omitted for clarity

R1

1/16" sheet - x4

Dihedral break (typ)

1/16" x 1" sheet - Top & bottom

3/8"

Section View at tip rib

Tailplane & elevators
3/32" sheet

3/16" Sq. spars

Interplane struts - bend plastic tabs as shown

Centre section - 1/16 sheet Top & Bottom

REAR FRONT Bend as shown in side view

FRONT REAR

CABANE STRUTS
14 SWG piano wire

UNDERCARRIAGE STRUTS
14 SWG piano wire

FRONT Bend as shown in side view REAR

1/16" sheet

Cabane strut diagonal brace
18 SWG piano wire - x2

3/8" pine x2

3/32" fuselage side

1/32" ply doubler

LitePly Formers

2 mm carbon fibre elevator joiner

Slot for control horn

Wing tip - 3/32" sheet - x4

7/8" dihedral - each tip

R2
1/16" sheet - x11

R4
1/16" sheet - x2

R3
1/16" sheet - x32

R5
1/16" sheet - x2

Tip brace - 3/16" sheet - x4

3/32 ply U/C mounts (laminated)

R5 R3 R3 R3 R3 R3 R2 R2 R2 R2 R2 R2

R3 R3 R3

Aileron outline

Interplane Struts
1/16" x 1/4" spruce or basswood - x2

Soft plastic tabs (typical)- insert & glue in slots

Dihedral break (typ)

LOWER WING PLAN