AERONCA C3
by RALPH FIDANCE

W-1, 2, & 3 USE 3/8" Sheet.
W-3
W-4
W-5
W-6
W-2
W-1
1/16" Sheet covering top and bottom both wing panels.
3/16" Sq. leading edge.
All ribs 1/16" Sheet
1/16" X 3/16" Cap strips- top and bottom
3/16" Sq. spars
Sandwich fitting between 2 pcs. 1/4" sheet balsa (full depth)
W-3 is made to line.
Top trailing edge 1/16" X 1"
Paint aileron outline
Bottom trailing edge 1/16" X 3/4"
1/16" Sheet covering- top and bottom.
1/8"
2" each tip
32 Req
W-6
1/16" Plywood dihedral braces
Epoxy cabane struts between center ribs use scrap balsa to fill open areas between ribs. sand even with and sheath over with 1/16" sheet
Celluloid windows
W-5 2 Req
W-4 2 Req

3/32" Plywood
F2
1/8" Tip dihedral starts here.
3/32" Plywood
F1
3/32" Balsa
F1A
F2A
3/32" Plywood
F3A
1/16" Plywood
Drill small holes- sew on front L.G. fitting- epoxy
Drill small holes- sew on front L.G. fitting- epoxy
1/32" S S Flying wires
S-1, 2 & 3 use 3/32" sheet
S-2
STABILIZER:
Cover both sides with 1/16" sheet (soft) balsa- sand to shape, cover with silk.
Brace wire fitting here.
S-1
3/32" X 1/4"
3/32" Sq.
S-3
Cut out for rudder
3/32" X 1/2"
1/16" Plywood main spar brace- 2 req
S-3
1/8" Dowel
3/32" X 1/2"
S-1
Dummy cylinder.
Vent
Wing support 3/32" s.s. wire- use this view to bend.
ROYAL Rudder Servo
3/32" Doubler
RECEIVER COMP'T.
1/16" Plywood
1/4" Sq. pushrod Thread wrapping- glue well.
1/8" Sq. stringer
1/8" X 1/2" Plywood servo mount.
3/16" Sq. top stringer
Fill Hardwood motor mounts.
Throttle pushrod
Throttle pushrod
3/32" Balsa sides
ROYAL Engine Servo
3/8"
1/8" Brass tubing- flatten and drill end for pushrod.
2"
3/64" S.S. Wire
3/4"
3/8"
THROTTLE CONNECTOR
3/32" Balsa
F8
Hinge rudder to suit.
Rear wing support 3/32" s.s.- true view use to bend to shape.
Drill small holes- sew support to rear of former- epoxy well.
F7
F6
3/32" Plywood
3/32" Plywood
F4
Drill small holes sew on throttle connector- epoxy well.
Cabane strut 1/16" s.s. wire- true size bend to this shape.
1/16" X 3/16" Spruce fairings.
1/8" X 3/16" On back
F9
3/32" X 3/16"
3/32" Sq
3/32" X 1/2"
1/8" X 3/16" on back
3/32" X 1/2"
Cover fin and rudder with 1/16" soft balsa- sand to shape
Cut rudder trailing edge from 3/32" balsa sheet
1/32" s.s. wire
Washer
Solder
2-1/2" Trexler air wheels
Dummy gas cap
C.G.
F1 F1A F2 F3
1/32" Flying wires
1/16" s.s. wires
Wing support
Rear wing support
3/16" Sq. top stringer
F7
F8
F9
Fuel tank
F6
1/8" Hardwood dowel
F4
F2A
F3A
F5
1/8" Sq. glued to fuse. sides.
1/16" s.s. wire tail skid
Rudder & stab fitting for wire brace 3 req.
Brace fitting
Wing brace wire fitting- open or close as req. to fit.
Cabane strut
Rudder
1/16" Plywood rear spar and leading edge brace
Nose is made of balsa blocks under F2A back to F4 one block each side of F3A. blocks are cut to fit around battery compartment.
3/32" Sheet fuselage sides.
Use side view for angles and length.
3/32" Tubing- flatten ends drill for wire
1/8" dowel
Cable fitting- fuselage bottom
1/16" Sheet bottom
Right
Left
Rear flying wire fitting.
3/32" s.s. wire wrap with wire & solder as shown in front and side views.
Wire keeper
1/2" size flying wire pattern- one right, one left
Cross wire here for scale not practical- depart here from scale as shown.
Scrap fill
Front L.G. support one half each side of F3A.
WINDSHIELD PATTERN
F5
Inverted "V" Strut True View
Flying Wire Fitting- 2 req. 1/32" s.s. wire solder to L.G. Fitting
Wire keeper
Drop of solder
1/32" rear flying wire fitting- epoxy in place.
ENYA .09 TV
Bind and solder
3/32" s.s. wire
Louvers made from 1/16" X 1/8" balsa
L.G. front fitting
Dummy cylinder
Main landing gear strut - 1/8" s.s. wire use this view to bend.

AERONCA C3
by RALPH FIDANCE

Scale 0 1 2 3 4 inches