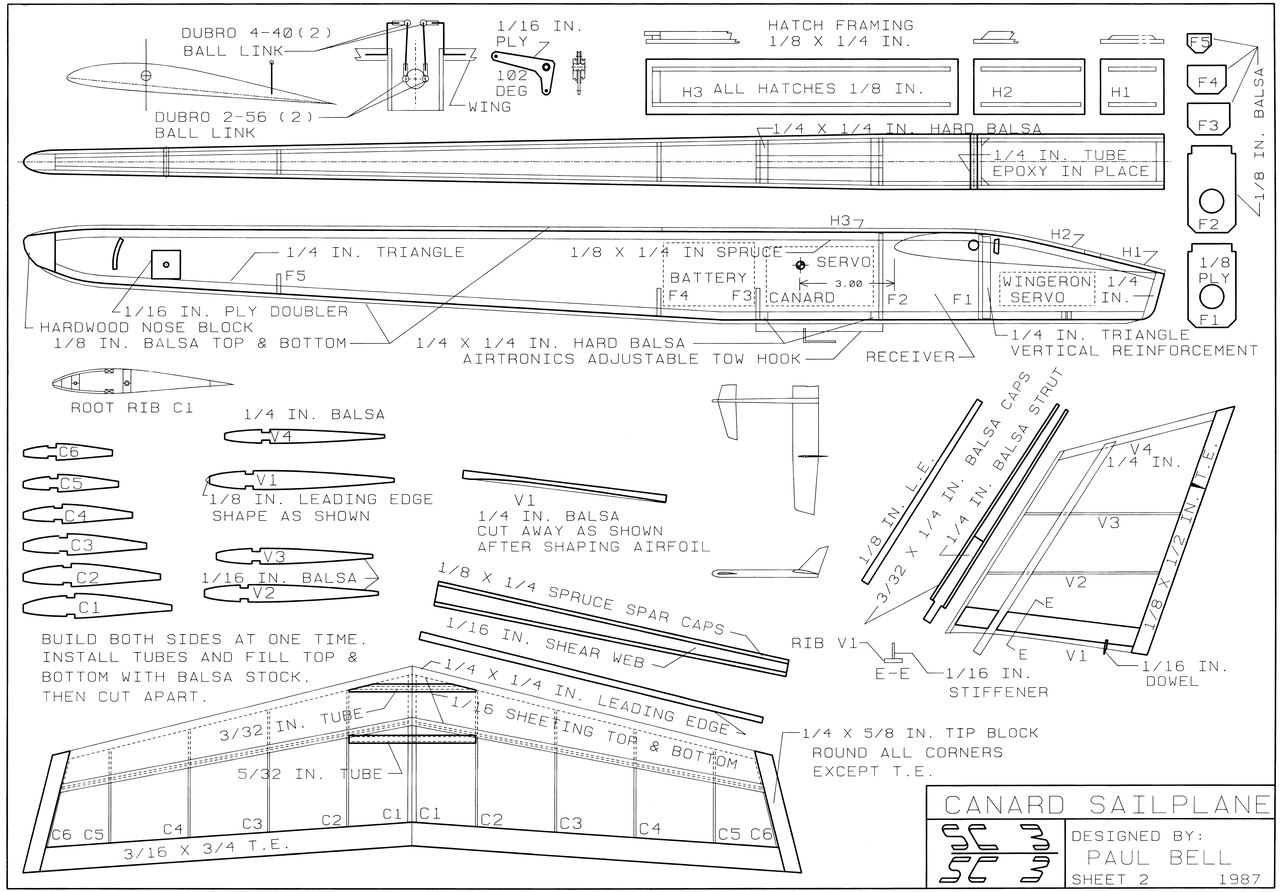
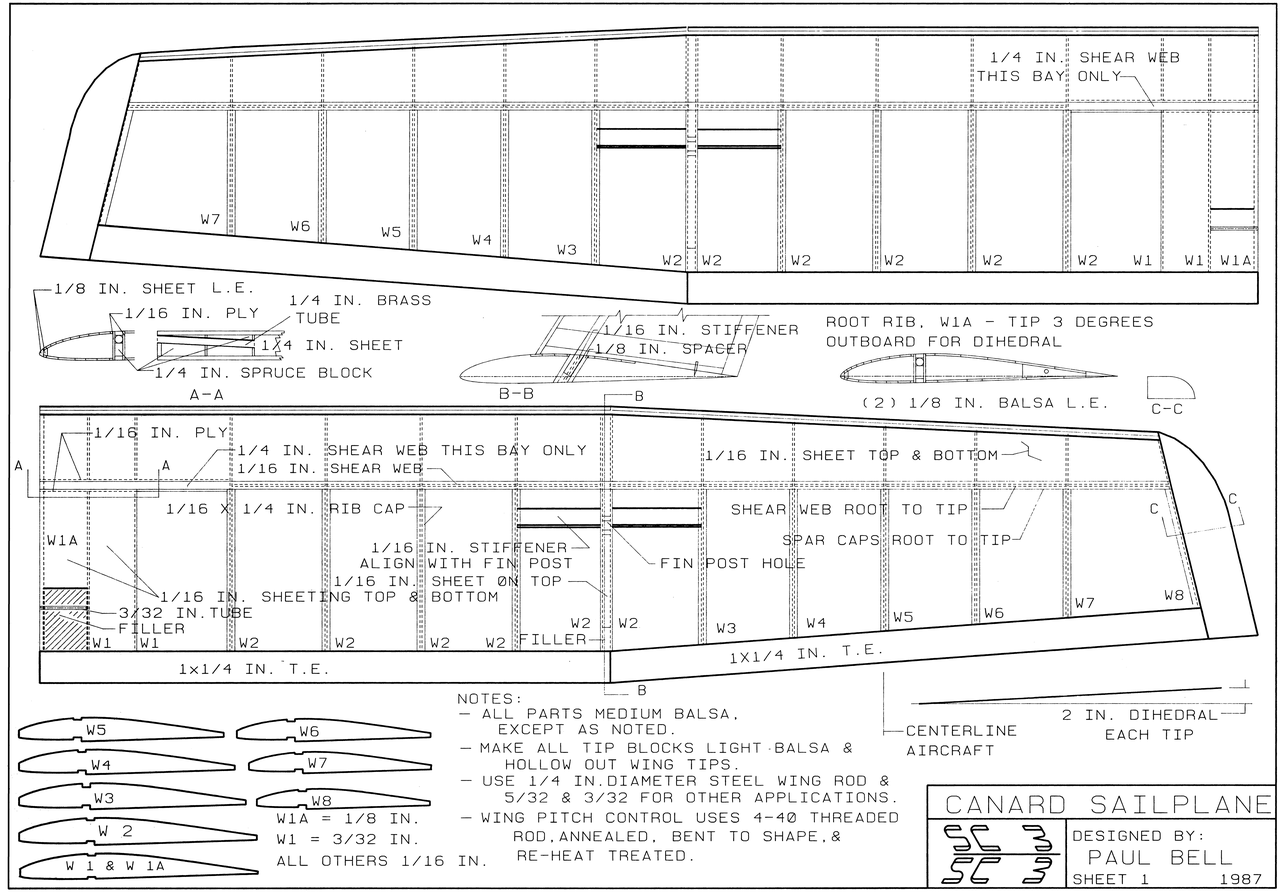

DUBRO 4-40(2)
BALL LINK
DUBRO 2-56 (2)
BALL LINK
1/16 IN.
PLY
102
DEG
WING
HATCH FRAMING
1/8 X 1/4 IN.
H3 ALL HATCHES 1/8 IN.
H2
H1
F5
F4
F3
F2
F1
1/8 IN. BALSA
1/4 X 1/4 IN. HARD BALSA
1/4 IN. TUBE
EPOXY IN PLACE
H3
H2
H1
1/4 IN. TRIANGLE
F5
1/8 X 1/4 IN SPRUCE
SERVO
BATTERY
F4
F3
CANARD
3.00
F2
F1
WINGERON
SERVO
1/4
IN.
1/8
PLY
1/16 IN. PLY DOUBLER
HARDWOOD NOSE BLOCK
1/8 IN. BALSA TOP & BOTTOM
1/4 X 1/4 IN. HARD BALSA
AIRTRONICS ADJUSTABLE TOW HOOK
RECEIVER
1/4 IN. TRIANGLE
VERTICAL REINFORCEMENT
ROOT RIB C1
1/4 IN. BALSA
V4
C6
C5
C4
C3
C2
C1
V1
1/8 IN. LEADING EDGE
SHAPE AS SHOWN
V3
1/16 IN. BALSA
V2
V1
1/4 IN. BALSA
CUT AWAY AS SHOWN
AFTER SHAPING AIRFOIL
1/8 IN. L.E.
3/32 X 1/4 IN. BALSA CAPS
1/4 IN. BALSA STRUT
V4
1/4 IN.
T.E.
V3
V2
E
1/8 X 1/2 IN.
E
V1
1/16 IN.
DOWEL
RIB V1
E-E
1/16 IN.
STIFFENER
BUILD BOTH SIDES AT ONE TIME.
INSTALL TUBES AND FILL TOP &
BOTTOM WITH BALSA STOCK.
THEN CUT APART.
1/8 X 1/4 SPRUCE SPAR CAPS
1/16 IN. SHEAR WEB
1/4 X 1/4 IN. LEADING EDGE
3/32 IN. TUBE
1/16 SHEETING TOP & BOTTOM
5/32 IN. TUBE
1/4 X 5/8 IN. TIP BLOCK
ROUND ALL CORNERS
EXCEPT T.E.
C6 C5
C4
C3
C2
C1
C1
C2
C3
C4
C5 C6
3/16 X 3/4 T.E.
CANARD SAILPLANE
DESIGNED BY:
PAUL BELL
SHEET 2
1987


1/4 IN. SHEAR WEB
THIS BAY ONLY
W7
W6
W5
W4
W3
W2
W2
W2
W2
W2
W2
W1
W1
W1A
1/8 IN. SHEET L.E.
1/16 IN. PLY
1/4 IN. BRASS
TUBE
1/4 IN. SHEET
1/4 IN. SPRUCE BLOCK
A-A
1/16 IN. STIFFENER
1/8 IN. SPACER
B-B
ROOT RIB, W1A - TIP 3 DEGREES
OUTBOARD FOR DIHEDRAL
(2) 1/8 IN. BALSA L.E.
C-C
B
1/16 IN. PLY
A
A
1/4 IN. SHEAR WEB THIS BAY ONLY
1/16 IN. SHEAR WEB
1/16 IN. SHEET TOP & BOTTOM
1/16 X 1/4 IN. RIB CAP
SHEAR WEB ROOT TO TIP
SPAR CAPS ROOT TO TIP
C
C
W1A
1/16 IN. STIFFENER
ALIGN WITH FIN POST
1/16 IN. SHEET ON TOP
FIN POST HOLE
1/16 IN. SHEETING TOP & BOTTOM
3/32 IN. TUBE
FILLER
W1
W1
W2
W2
W2
W2
W2
FILLER
W2
W3
W4
W5
W6
W7
W8
1x1/4 IN. T.E.
1X1/4 IN. T.E.
B
W5
W6
W4
W7
W3
W8
W 2
W 1 & W 1A
W1A = 1/8 IN.
W1 = 3/32 IN.
ALL OTHERS 1/16 IN.
NOTES:
- ALL PARTS MEDIUM BALSA,
EXCEPT AS NOTED.
- MAKE ALL TIP BLOCKS LIGHT BALSA &
HOLLOW OUT WING TIPS.
- USE 1/4 IN.DIAMETER STEEL WING ROD &
5/32 & 3/32 FOR OTHER APPLICATIONS.
- WING PITCH CONTROL USES 4-40 THREADED
ROD,ANNEALED, BENT TO SHAPE,&
RE-HEAT TREATED.
CENTERLINE
AIRCRAFT
2 IN. DIHEDRAL
EACH TIP
CANARD SAILPLANE
DESIGNED BY:
PAUL BELL
SHEET 1
1987