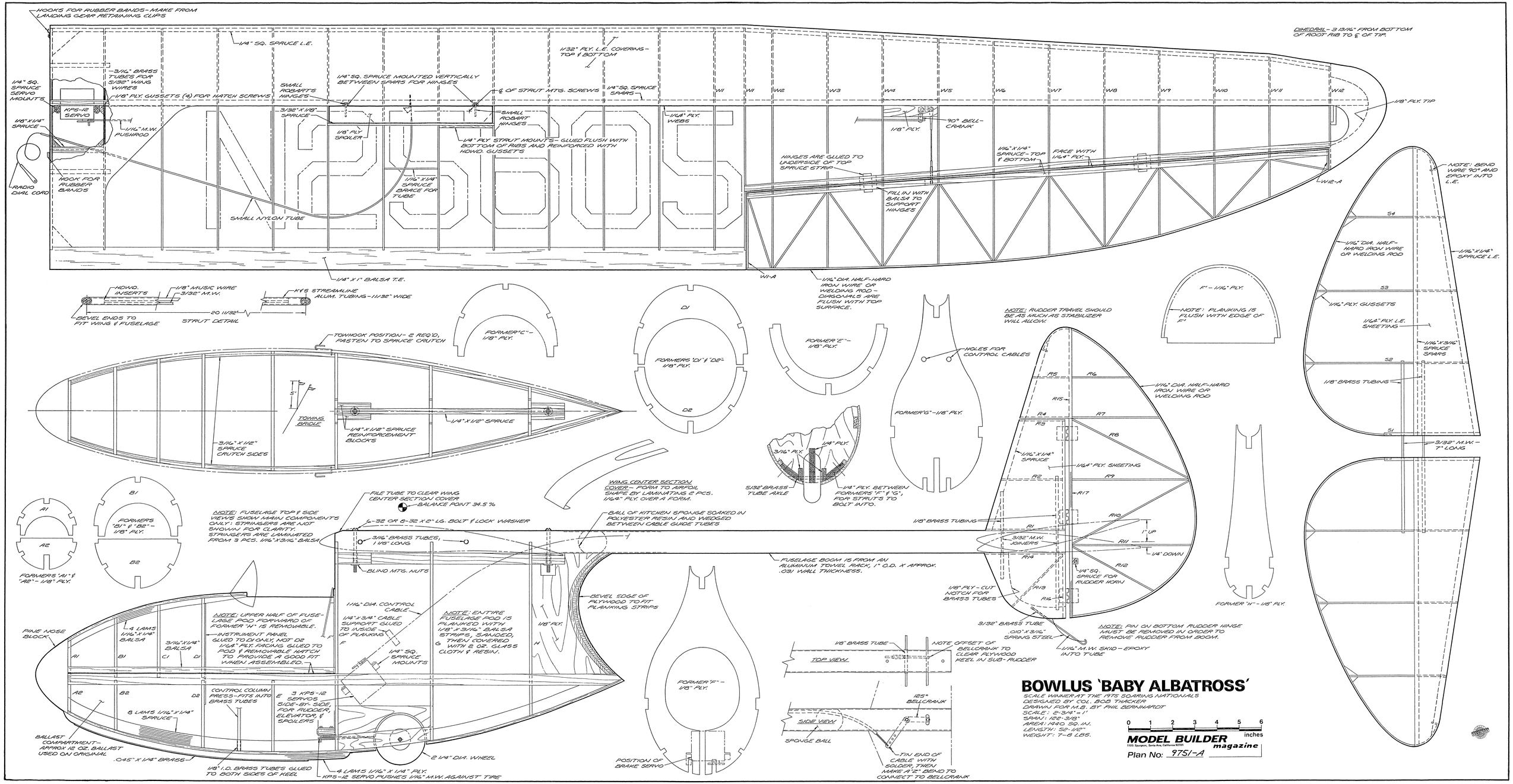
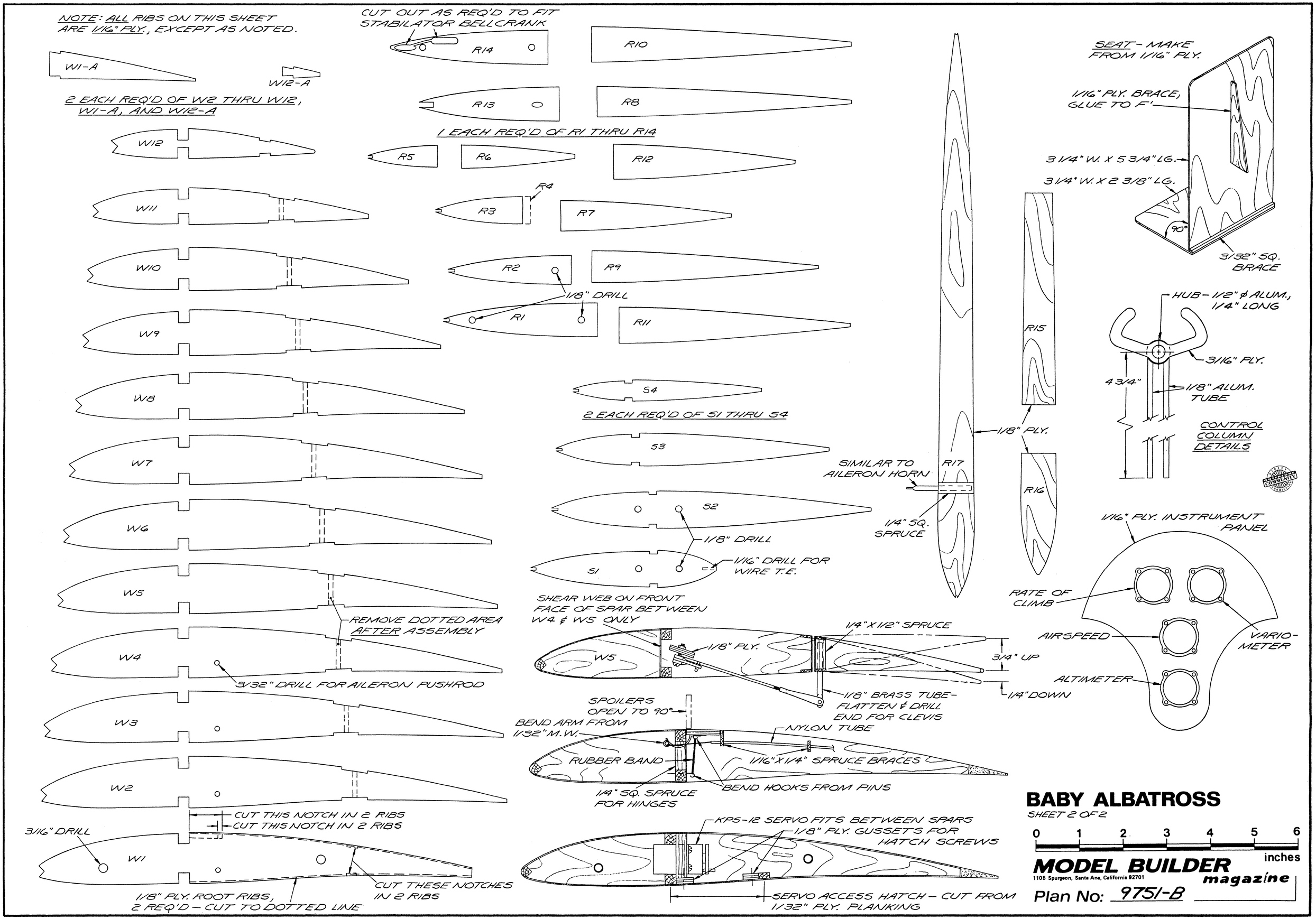

HOOKS FOR RUBBER BANDS - MAKE FROM LANDING GEAR RETAINING CLIPS
1/4" SQ. SPRUCE L.E.
1/32" PLY. L.E. COVERING - TOP & BOTTOM
DIHEDRAL - 3 13/16" FROM BOTTOM OF ROOT RIB TO ℄ OF TIP.
3/16" BRASS TUBES FOR 3/32" WING WIRES
1/4" SQ. SPRUCE SERVO MOUNTS
1/8" PLY. GUSSETS (4) FOR HATCH SCREWS
SMALL ROBART HINGES
1/4" SQ. SPRUCE MOUNTED VERTICALLY BETWEEN SPARS FOR HINGES
℄ OF STRUT MTG. SCREWS
1/4" SQ. SPRUCE SPARS
W1
W2
W3
W4
W5
W6
W7
W8
W9
W10
W11
W12
1/8" PLY. TIP
KPS-12 SERVO
1/16" M.W. PUSHROD
1/8" X 1/4" SPRUCE
3/32" X 1/8" SPRUCE
1/8" PLY SPOILER
1/4" PLY STRUT MOUNTS - GLUED FLUSH WITH BOTTOM OF RIBS AND REINFORCED WITH HDWD. GUSSETS
1/16" X 1/4" SPRUCE WEBS
1/8" PLY.
90° BELL-CRANK
HINGES ARE GLUED TO UNDERSIDE OF TOP SPRUCE STRIP
1/16" X 1/4" SPRUCE - TOP & BOTTOM - FACE WITH 1/64" PLY.
FILL IN WITH BALSA TO SUPPORT HINGES
W12-A
RADIO DIAL CORD
HOOK FOR RUBBER BANDS
1/16" X 1/4" SPRUCE BRACE FOR TUBE
SMALL NYLON TUBE
1/4" X 1" BALSA T.E.
W1-A
1/16" DIA. HALF-HARD IRON WIRE OR WELDING ROD - DIAGONALS ARE FLUSH WITH TOP SURFACE.
NOTE: BEND WIRE 90° AND EPOXY INTO L.E.
S4
1/16" DIA. HALF-HARD IRON WIRE OR WELDING ROD
1/16" X 1/8" SPRUCE L.E.
S3
1/16" PLY. GUSSETS
1/64" PLY. L.E. SHEETING
1/16" X 3/16" SPRUCE SPARS
S2
1/8" BRASS TUBING
S1
3/32" M.W. - 7" LONG
HDWD. INSERTS
1/8" MUSIC WIRE
3/32" M.W.
BEVEL ENDS TO FIT WING & FUSELAGE
20 11/32"
STRUT DETAIL
K & S STREAMLINE ALUM. TUBING - 11/32" WIDE
TOWHOOK POSITION - 2 REQ'D. FASTEN TO SPRUCE CRUTCH
FORMER "C" - 1/8" PLY.
D1
FORMERS "D" & "D2" - 1/8" PLY.
D2
FORMER "E" - 1/8" PLY.
HOLES FOR CONTROL CABLES
NOTE: RUDDER TRAVEL SHOULD BE AS MUCH AS STABILIZER WILL ALLOW.
F - 1/16" PLY.
NOTE: PLANKING IS FLUSH WITH EDGE OF F
S'
TOWING BRIDLE
1/4" X 1/2" SPRUCE
1/4" X 1/2" SPRUCE REINFORCEMENT BLOCKS
3/16" X 1/2" SPRUCE CRUTCH SIDES
FORMER "G" - 1/8" PLY.
R5
R6
R15
R4
R7
R3
R8
1/16" DIA. HALF-HARD IRON WIRE OR WELDING ROD
1/16" X 1/4" SPRUCE
1/64" PLY. SHEETING
R2
R9
R17
3/16" PLY.
1/4" PLY.
5/32" BRASS TUBE AXLE
1/4" PLY. BETWEEN FORMERS "F" & "G", FOR STRUTS TO BOLT INTO.
WING CENTER SECTION COVER - FORM TO AIRFOIL SHAPE BY LAMINATING 2 PCS. 1/64" PLY. OVER A FORM.
A1
A2
FORMERS "A1" & "A2" - 1/8" PLY.
B1
FORMERS "B1" & "B2" - 1/8" PLY.
B2
NOTE: FUSELAGE TOP & SIDE VIEWS SHOW MAIN COMPONENTS ONLY - STRINGERS ARE NOT SHOWN FOR CLARITY. STRINGERS ARE LAMINATED FROM 3 PCS. 1/16" X 3/16" BALSA
FILE TUBE TO CLEAR WING CENTER SECTION COVER
BALANCE POINT 34.5%
6-32 OR 8-32 X 2" LG. BOLT & LOCK WASHER
BALL OF KITCHEN SPONGE SOAKED IN POLYESTER RESIN AND WEDGED BETWEEN CABLE GUIDE TUBES
3/16" BRASS TUBES, 1 1/8" LONG
BLIND MTG. NUTS
FUSELAGE BOOM IS FROM AN ALUMINUM TOWEL RACK, 1" O.D. X APPROX. .031 WALL THICKNESS.
1/8" BRASS TUBING
R1
R10
1" UP
3/32" M.W. JOINERS
R11
1/4" DOWN
R14
R12
1/4" SQ. SPRUCE FOR RUDDER HORN
R13
R16
1/8" PLY - CUT NOTCH FOR BRASS TUBES
3/32" BRASS TUBE
.010" X 3/16" SPRING STEEL
1/16" M.W. SKID - EPOXY INTO TUBE
NOTE: PIN ON BOTTOM RUDDER HINGE MUST BE REMOVED IN ORDER TO REMOVE RUDDER FROM BOOM.
FORMER "H" - 1/8" PLY.
PINE NOSE BLOCK
4 LAMS 1/16" X 1/4" BALSA
3/16" X 1/4" BALSA
NOTE: UPPER HALF OF FUSELAGE POD FORWARD OF FORMER "H" IS REMOVABLE.
INSTRUMENT PANEL GLUED TO D1 ONLY, NOT D2. 1/64" PLY. FACING GLUED TO POD & REMOVABLE HATCH TO PROVIDE A GOOD FIT WHEN ASSEMBLED.
1/16" DIA. CONTROL CABLE
1/4" X 3/4" CABLE SUPPORT GLUED TO INSIDE OF PLANKING
NOTE: ENTIRE FUSELAGE POD IS PLANKED WITH 1/8" X 3/16" BALSA STRIPS, SANDED, THEN COVERED WITH 2 OZ. GLASS CLOTH & RESIN.
1/4" SQ. SPRUCE MOUNTS
BEVEL EDGE OF PLYWOOD TO FIT PLANKING STRIPS
1/8" PLY.
A1
B1
C1
D1
E
F
H
A2
B2
D2
6 LAMS 1/16" X 1/4" SPRUCE
CONTROL COLUMN PRESS-FITS INTO BRASS TUBES
3 KPS-12 SERVOS SIDE-BY-SIDE, FOR RUDDER, ELEVATOR & SPOILERS
BALLAST COMPARTMENT - APPROX. 18 OZ. BALLAST USED ON ORIGINAL
.045" X 1/4" BRASS
1/8" I.D. BRASS TUBES GLUED TO BOTH SIDES OF KEEL
4 LAMS 1/16" X 1/4" PLY.
KPS-12 SERVO PUSHES 1/16" M.W. AGAINST TIRE
2 1/4" DIA. WHEEL
FORMER "F" - 1/8" PLY.
POSITION OF BRAKE SERVO
1/8" BRASS TUBE
NOTE OFFSET OF BELLCRANK TO CLEAR PLYWOOD KEEL IN SUB-RUDDER
TOP VIEW
1.25" BELLCRANK
SIDE VIEW
SPONGE BALL
TIN END OF CABLE WITH SOLDER, THEN MAKE A "L" BEND TO CONNECT TO BELLCRANK.
BOWLUS 'BABY ALBATROSS'
SCALE WINNER AT THE 1975 SOARING NATIONALS
DESIGNED BY COL. BOB THACKER
DRAWN FOR M.B. BY PHIL BERNHARDT
SCALE: 2-3/4" = 1'
SPAN: 122-3/8"
AREA: 1440 SQ. IN.
LENGTH: 52-1/2"
WEIGHT: 7-8 LBS.
0 1 2 3 4 5 6 inches
MODEL BUILDER magazine
1105 Spurgeon, Santa Ana, California 92701
Plan No: 975I-A


NOTE: ALL RIBS ON THIS SHEET ARE 1/16" PLY., EXCEPT AS NOTED.
CUT OUT AS REQ'D TO FIT STABILATOR BELLCRANK
W1-A
W12-A
2 EACH REQ'D OF W2 THRU W12, W1-A, AND W12-A
R14
R10
R13
R8
1 EACH REQ'D OF R1 THRU R14
R5
R6
R12
R4
R3
R7
R2
R9
1/8" DRILL
R1
R11
S4
2 EACH REQ'D OF S1 THRU S4
S3
S2
1/8" DRILL
S1
1/16" DRILL FOR WIRE T.E.
W12
W11
W10
W9
W8
W7
W6
W5
W4
W3
W2
W1
REMOVE DOTTED AREA AFTER ASSEMBLY
3/32" DRILL FOR AILERON PUSHROD
CUT THIS NOTCH IN 2 RIBS
CUT THIS NOTCH IN 2 RIBS
3/16" DRILL
CUT THESE NOTCHES IN 2 RIBS
1/8" PLY. ROOT RIBS, 2 REQ'D – CUT TO DOTTED LINE
R15
R16
R17
1/8" PLY.
SIMILAR TO AILERON HORN
1/4" SQ. SPRUCE
SEAT – MAKE FROM 1/16" PLY.
1/16" PLY. BRACE, GLUE TO F'
3 1/4" W. X 5 3/4" LG.
3 1/4" W. X 2 3/8" LG.
90°
3/32" SQ. BRACE
HUB – 1/2" ø ALUM., 1/4" LONG
3/16" PLY.
4 3/4"
1/8" ALUM. TUBE
CONTROL COLUMN DETAILS
1/16" PLY. INSTRUMENT PANEL
RATE OF CLIMB
AIRSPEED
VARIO-METER
ALTIMETER
SHEAR WEB ON FRONT FACE OF SPAR BETWEEN W4 & W5 ONLY
W5
1/8" PLY.
1/4" X 1/2" SPRUCE
3/4" UP
1/4" DOWN
1/8" BRASS TUBE – FLATTEN & DRILL END FOR CLEVIS
SPOILERS OPEN TO 90°
BEND ARM FROM 1/32" M.W.
NYLON TUBE
RUBBER BAND
1/16" X 1/4" SPRUCE BRACES
1/4" SQ. SPRUCE FOR HINGES
BEND HOOKS FROM PINS
KPS-12 SERVO FITS BETWEEN SPARS
1/8" PLY. GUSSETS FOR HATCH SCREWS
SERVO ACCESS HATCH – CUT FROM 1/32" PLY. PLANKING
BABY ALBATROSS
SHEET 2 OF 2
0 1 2 3 4 5 6
inches
MODEL BUILDER magazine
1105 Spurgeon, Santa Ana, California 92701
Plan No: 9751-B