FIN PATTERN — CUT FROM 1/4" SHEET BALSA. BUTT-JOIN 3" OR 4" WIDTHS TO OBTAIN NECESSARY OVERALL WIDTH.

NOTE SLIGHT BEVEL (COWL IS CONE-SHAPED)

1/8" PLY

A1

A2

1/4" PLY

NOTE:
SOLID FOAM WING NOT USED. SOLID CORE "HOT-WIRE CUT" FOAM WINGS CAN ALSO BE USED.

BALSA LEADING EDGE (SHAPED TO SHAPE)

LEADING EDGE IS SWEPT BACK AS 3/8"

1/8" PLY

W SPAR CAN BE STRAIGHT IF SOLID FOAM WING IS USED

1/8" ALUMINUM SPAR, BENT TO FIT INTO REMAINING L.G. SLOT. FILL IN EXCESS SLOT AREA WITH SCRAP SLICES OF WING FOAM.

HARD WOOD L.G. BLOCKS GLUED NEXT TO FOAM RIB AS SHOWN (SEE PHOTOS AND TEXT)

W1

NOT FUS ARE

POSITION OF MOLDED FOAM RIBS INDICATED BY DOTTED LINES

1/16" X 1/4" CAP STRIPS (8 PLACES, TOP AND BOTTOM) — OR — ALL OF WING CAN BE SHEETED (1/16" STOCK) IF SO DESIRED.

W1

W2

W2 - TRIM TO FIT

HINGE LINE

C.G. PUSHROD CONNECTOR

CONTROL HORN GLUED TO SIDE OF WEDGE

W2

FIN FITS INTO THIS SLOT

1/4"

SILVER SOLDER CONTROL HORN IN PLACE

AILERON WEDGE W2 (8 REQUIRED)

AILERON CONSTRUCTION DETAIL

INSTALL HINGES UNDER TOP SHEETING

AFTER CUTTING AILERON OUT OF WING, INSTALL SMALL WEDGES TO MAINTAIN ANGLE BETWEEN TOP AND BOTTOM SHEETING. THEN CAP FRONT OF AILERON WITH STRIP CUT FROM 1/16" SHEET.

LONG CONTROL HORN TRIMMED TO SIZE SHOWN

NOTE:
LENGTH OF COWL WILL VARY, DEPENDING ON ENGINE USED AND PLACEMENT ON ENGINE MOUNT

"WING" BRAND LONG CANOPY

THREE LDR-2 SERVOS, SIDE BY SIDE (CAN BE SHIFTED TO ADJUST BALANCE)

DRILL 5/32" HOLES VERTICALLY THROUGH MOUNT FOR NOSE GEAR WIRE

FOX 45 ENGINE AND MOUNT ARE SIDE MOUNTED ON CENTER LINE

B1

A2

B2

B3

SPINNER BACKPLATE

3" SPINNER

RST-12 FUEL TANK

REAR OF B2 HOLLOWED OUT TO POSITION FUEL TANK AS FAR FORWARD AS POSSIBLE

BATTERY AND RECEIVER — SIDE BY SIDE

RING NO.1

RING NO.2

ROBART FUELER

A1 (1/8" PLY)

C.G.

1/2" X 3/4" HARD WOOD WING HOLD-DOWN

DOUBLERS (SHADED AREA) ARE MADE FROM TUBE LEFT-OVERS. ATTACH WING, REACH INSIDE FRONT OF TUBE AND GLUE IN PLACE BEFORE INSTALLING FIREWALL COMPONENTS (B1, B2 & B3).

COWL IS MADE UP OF TWO LAYERS OF 1/16" SHEET BALSA (SEE PHOTOS AND TEXT)

DRILL AND TAP FOR 1/4" X 20 BOLT

IMPORTANT NOTE:
AFTER CUTTING OUT WING SADDLE AREA TO ACCEPT 11-1/8" ROOT CHORD OF WING, FASTEN WING TO TUBE WITH RUBBER BANDS SO REAR OF TUBE CAN BE ACCURATELY MARKED FOR FIN AND STABILIZER SLOTS.

5/32" WIRE MAIN L.G. STRUTS (MAKE ONE RIGHT AND ONE LEFT).

1-1/2" DIA. KRAFT "SLIMLINE" NOSE WHEEL

2" DIA. MAIN WHEELS

B1 AND B2

B1 IS CUT FROM 1/4" PLYWOOD, B2 FROM 1/2" SHEET BALSA

1/4" DOWELS (ANY OPEN AREAS IN THIS SECTION CAN BE FILLED IN WITH EXPANDABLE FOAM AFTER 1/8" PLY IS GLUED IN PLACE)

WING CHORD IS 11-1/8" (AT ℄)

FIBERGLASS REINFORCEMENT — TOP AND BOTTOM OF WING CENTER SECTION

1/16" SHEET, TOP AND BOTTOM

NOTCH TOP OF FOAM RIBS TO ACCEPT CABLE TYPE NY-ROD. EXIT AT BOTTOM OF WING, THEN MARK POSITION OF AILERON HORNS. SEE PHOTO.

THROUGH TOP EETING TO FIT RVO IN PLACE

TRAILING EDGE CONSTRUCTION DETAIL

1/16" X 3" BALSA SHEETS

REAR PORTION OF FOAM WING

JOIN AILERON PUSH ROD WIRES WITH SHORT TUBE COUPLER (SOLDERED JOINT)

WING TIPS ARE TWO 1/4" BALSA SHEETS, LAMINATED. (IF MORE ROUNDED TIPS ARE DESIRED, CAN BE SEVERAL LAMINATIONS THICKER)

1/4" HOLD-DOWN HOLE

D FIT DOLE

W1

WEDGE W1 - 4 REQ.

INSTALL AFTER AILERONS ARE CUT OUT

W1

W2

W2

W2

AFTER WING SHEETING HAS BEEN COMPLETED, AILERONS ARE CUT OUT TO SIZE SHOWN. SEE AILERON CONSTRUCTION DETAIL, FAR LEFT.

1/4" SHEET BALSA

1/4" SHEET BALSA

1/4" SHEET BALSA

SECTION A-A (AIR DUCTS DETAIL)

ORIGINAL POSITION

"FLIPPED" POSITION

DUCTS — 3-1/4" X 4-1/4" CUT OUT WITH X-ACTO KNIFE, FLIPPED OVER AND GLUED IN PLACE

SPINE STRIP — 1/4" SHEET (FAIRS CANOPY TO FIN)

FIN SLOT STARTS HERE

STABILIZER SLOT STARTS HERE

RUDDER HORN POSITION

1/16" BALSA SHEETING OVER TUBE (IF TUBE IS TO BE PAINTED, SHEETING IS NOT NECESSARY)

B3 (1/8" PLY)

RING NO.1

1/8" PLY

RING NO.2

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TUBE-A-ROO

DESIGNED BY BILL BALDIGA | TRACED BY PAUL PLECAN

0 1 2 3 4 5 6 7 8

H.E

PLAN NO. 749