



- NOTES**
- TEMPORARILY TRIM FUSELAGE SIDES ALONG "ZERO" BASE OR CONSTRUCTION REFERENCE LINE TO FACILITATE CONSTRUCTION ALIGNMENT. FILL IN SIDE TO FULL DEPTH AFTER INSTALLING BOTTOM SHEETING.
  - CUT WING SADDLE TO SAME CONTOUR AS FUSELAGE SIDE AS SHOWN. SHAPE TO ACCURATELY CRADLE WING AFTER ASSEMBLY.
  - DURING ENTIRE ASSEMBLY, "THINK ACCURATE - THINK LIGHT".
- WING CORE TEMPLATES & ASSEMBLY DETAILS**
- THE CONTOURS SHOWN ARE CORRECT FOR COVERING WITH 1/64" PLYWOOD. CUT TEMPLATES TO THE CONTOURS SHOWN, INCLUDING AILERONS.
  - PLACE THE TEMPLATES ON OPPOSITE ENDS OF A 4 IN. THICK FOAM BLANK THAT IS CUT TO CORE OUTLINE.
  - RAISE THE TIP TEMPLATE 3/8" ABOVE THE 0° ROOT CHORD LINE. ELEVATE THE TIP TEMPLATE TRAILING EDGE AN ADDITIONAL 5/32".
  - COMPLETED WING CORES WILL HAVE CORRECT DIHEDRAL AND WASHOUT CUT INTO THEM. NOTE: TIP TEMPLATE IS HIGHLY UNSYMMETRICAL - DO NOT INVERT!
  - CUT FOAM CORES AND INSTALL 1/2" X 3/4" Balsa HINGE SUPPORT, BEFORE COVERING CORES WITH 1/64" PLYWOOD.
  - COVER CORE WITH SINGLE PIECE OF 1/64" PLYWOOD JOINED AT THE TRAILING EDGE.
  - CUT THRU PLYWOOD & HINGE SUPPORT TO SEPARATE AILERONS. FINISH AILERONS SEPARATELY.
  - BUTT JOIN WING PANELS SO THAT TIP CHORD IS MAINTAINED AT 3/8" ABOVE ROOT CHORD.
  - REINFORCE WING CENTER SECTION WITH 6 OZ. FIBREGLAS CLOTH (11" WIDE) & RESIN. EPOXY MAY BE SUBSTITUTED FOR RESIN.

**DOUBLE EAGLE**

A HIGH-PERFORMANCE AEROBATIC PATTERN AIRCRAFT FOR 61 CU. IN. ENGINES WITH PUMP

SPAN: 62 IN. LENGTH: 57 3/8 IN.  
 AREA: 675 SQ. IN. WEIGHT: 9 1/2 LBS.

DESIGNED & DRAWN BY: GEORGE R. SMITH  
 INKED BY: Bob [Signature]

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