

PREPARED BY LJG
CHECKED BY EJD
APPROVED BY RPH

AERONCA AIRCRAFT CORPORATION
MIDDLETOWN, OHIO

PAGE 2
REPORT 7A-P-4
SECTION .012

.012 WINGS AND STRUTS

The wings are of the conventional two wood spar, single wire drag truss construction with one piece stamped aluminum ribs and fabric covering. The ribs are braced laterally with reinforcing tape. The leading edge of the wing is covered with aluminum alloy with the trailing edge formed of aluminum sheet. The wing tip is made of round steel tubing. The spars are made of spruce with plywood pads at the root end and strut point.

The struts are made of streamlined steel tubing forming a "Vee" with the apex at the fuselage attaching point. The jury struts connect the midpoint of the struts vertically with the spars and are made of oval steel tube.

.013 AILERONS

The ailerons are of the semi-frise type fabricated from formed aluminum ribs, aluminum leading edge, and aluminum trailing edge. The entire assembly is riveted together and covered with fabric.

.014 EMPENNAGE

The stabilizer, elevator, fin, and rudder which make up the empennage, are all made of welded steel construction. The leading and trailing edges which act as spars are made of steel tubing with die stamped