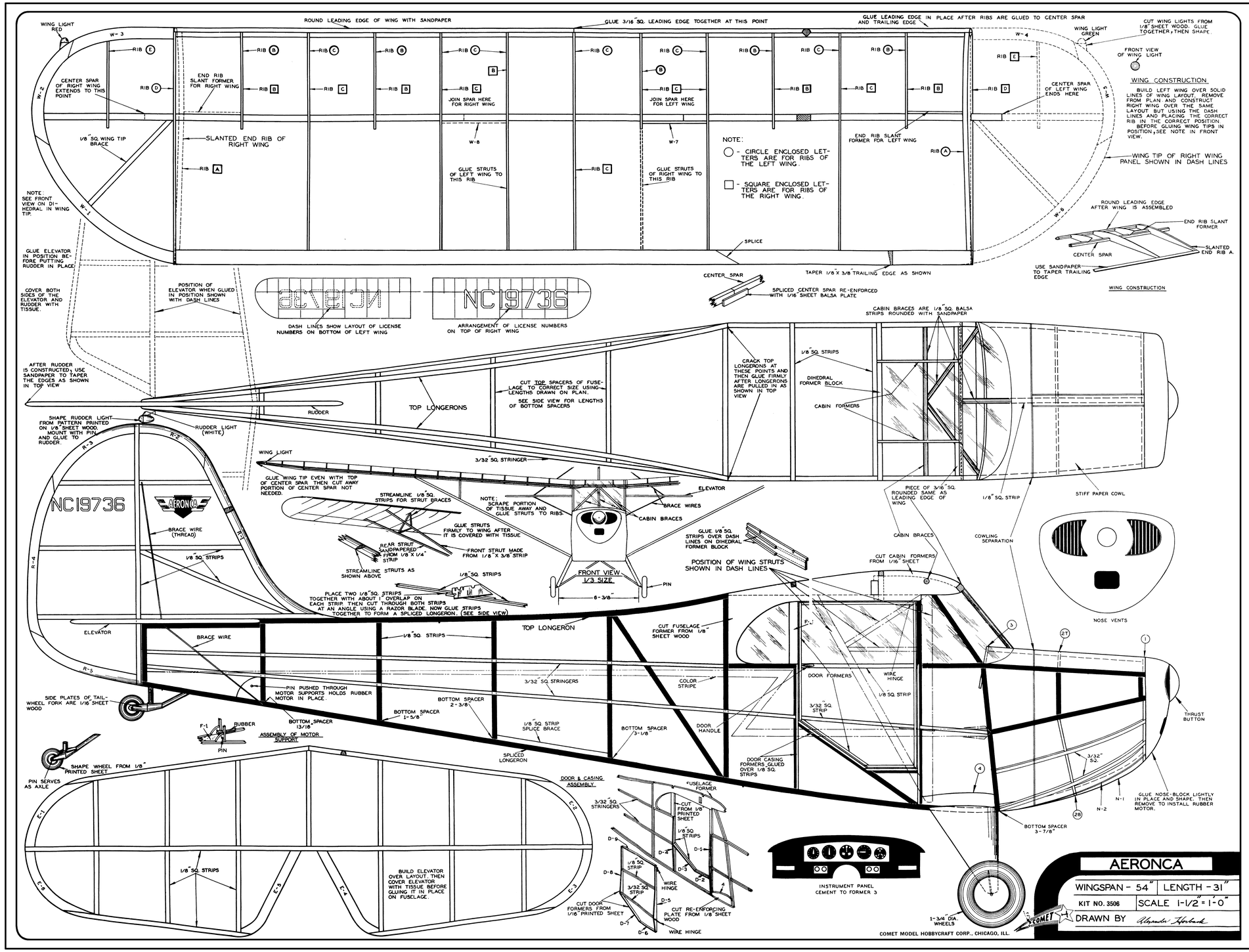
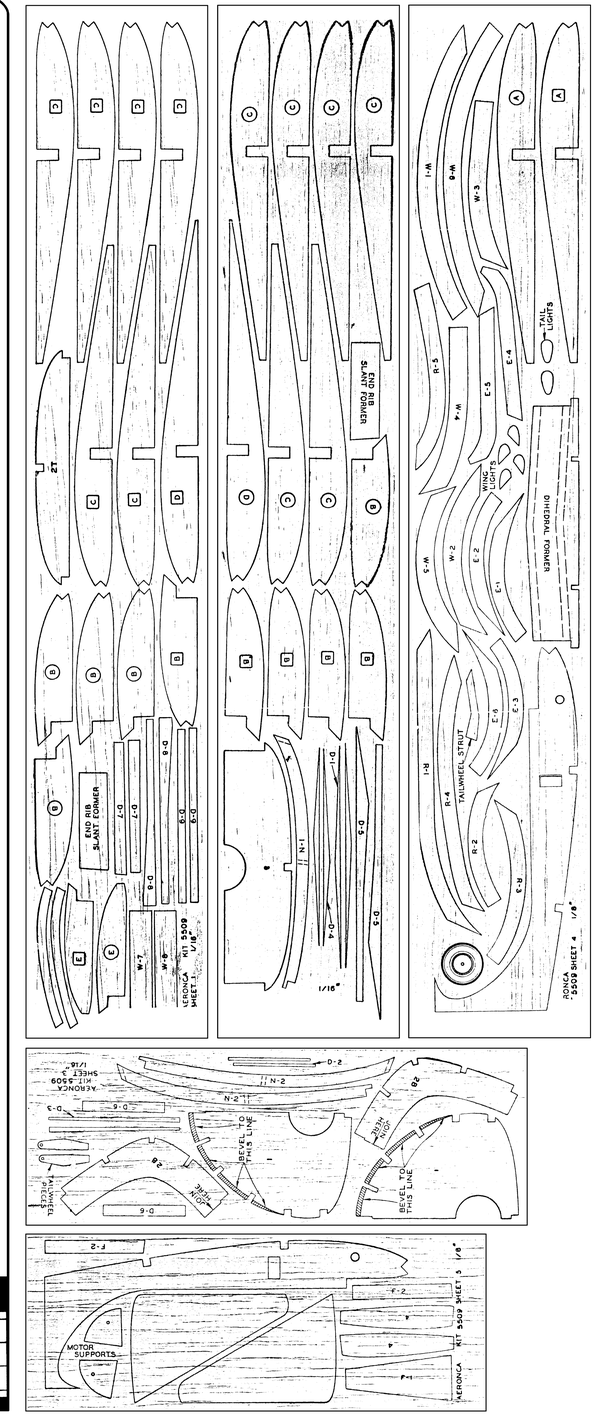

WING LIGHT RED
ROUND LEADING EDGE OF WING WITH SANDPAPER
GLUE 3/16" SQ. LEADING EDGE TOGETHER AT THIS POINT
GLUE LEADING EDGE IN PLACE AFTER RIBS ARE GLUED TO CENTER SPAR AND TRAILING EDGE
CENTER SPAR OF RIGHT WING EXTENDS TO THIS POINT
END RIB SLANT FORMER FOR RIGHT WING
JOIN SPAR HERE FOR RIGHT WING
JOIN SPAR HERE FOR LEFT WING
1/8" SQ. WING TIP BRACE
SLANTED END RIB OF RIGHT WING
GLUE STRUTS OF LEFT WING TO THIS RIB
GLUE STRUTS OF RIGHT WING TO THIS RIB
NOTE: ○ - CIRCLE ENCLOSED LETTERS ARE FOR RIBS OF THE LEFT WING. □ - SQUARE ENCLOSED LETTERS ARE FOR RIBS OF THE RIGHT WING.
END RIB SLANT FORMER FOR LEFT WING
SPLICE
WING LIGHT GREEN
CUT WING LIGHTS FROM 1/8" SHEET WOOD. GLUE TOGETHER, THEN SHAPE.
FRONT VIEW OF WING LIGHT
CENTER SPAR OF LEFT WING ENDS HERE
WING CONSTRUCTION
BUILD LEFT WING OVER SOLID LINES OF WING LAYOUT. REMOVE FROM PLAN AND CONSTRUCT RIGHT WING OVER THE SAME LAYOUT BUT USING THE DASH LINES AND PLACING THE CORRECT RIB IN THE CORRECT POSITION. BEFORE GLUING WING TIPS IN POSITION, SEE NOTE IN FRONT VIEW.
WING TIP OF RIGHT WING PANEL SHOWN IN DASH LINES
NOTE: SEE FRONT VIEW ON DIHEDRAL IN WING TIP.
ROUND LEADING EDGE AFTER WING IS ASSEMBLED
END RIB SLANT FORMER
SLANTED END RIB A.
CENTER SPAR
USE SANDPAPER TO TAPER TRAILING EDGE
WING CONSTRUCTION
GLUE ELEVATOR IN POSITION BEFORE PUTTING RUDDER IN PLACE
COVER BOTH SIDES OF THE ELEVATOR AND RUDDER WITH TISSUE.
POSITION OF ELEVATOR WHEN GLUED IN POSITION SHOWN WITH DASH LINES
NC19736
DASH LINES SHOW LAYOUT OF LICENSE NUMBERS ON BOTTOM OF LEFT WING
ARRANGEMENT OF LICENSE NUMBERS ON TOP OF RIGHT WING
CENTER SPAR
SPLICED CENTER SPAR RE-ENFORCED WITH 1/16" SHEET BALSA PLATE
TAPER 1/8" X 3/8" TRAILING EDGE AS SHOWN
CABIN BRACES ARE 1/8" SQ. BALSA STRIPS ROUNDED WITH SANDPAPER
AFTER RUDDER IS CONSTRUCTED, USE SANDPAPER TO TAPER THE EDGES AS SHOWN IN TOP VIEW
CUT TOP SPACERS OF FUSELAGE TO CORRECT SIZE USING LENGTHS DRAWN ON PLAN.
SEE SIDE VIEW FOR LENGTHS OF BOTTOM SPACERS
CRACK TOP LONGERONS AT THESE POINTS AND THEN GLUE FIRMLY AFTER LONGERONS ARE PULLED IN AS SHOWN IN TOP VIEW
1/8" SQ. STRIPS
DIHEDRAL FORMER BLOCK
CABIN FORMERS
TOP LONGERONS
RUDDER
SHAPE RUDDER LIGHT FROM PATTERN PRINTED ON 1/8" SHEET WOOD. MOUNT WITH PIN AND GLUE TO RUDDER.
RUDDER LIGHT (WHITE)
WING LIGHT
3/32" SQ. STRINGER
GLUE WING TIP EVEN WITH TOP OF CENTER SPAR THEN CUT AWAY PORTION OF CENTER SPAR NOT NEEDED.
STREAMLINE 1/8" SQ. STRIPS FOR STRUT BRACES
NOTE: SCRAPE PORTION OF TISSUE AWAY AND GLUE STRUTS TO RIBS.
ELEVATOR
BRACE WIRES
CABIN BRACES
PIECE OF 3/16" SQ. ROUNDED SAME AS LEADING EDGE OF WING
1/8" SQ. STRIP
STIFF PAPER COWL
NC19736
AERONCA
BRACE WIRE (THREAD)
GLUE STRUTS FIRMLY TO WING AFTER IT IS COVERED WITH TISSUE
REAR STRUT SANDPAPERED FROM 1/8" X 1/4" STRIP
FRONT STRUT MADE FROM 1/8" X 3/8" STRIP
GLUE 1/8" SQ. STRIPS OVER DASH LINES ON DIHEDRAL FORMER BLOCK
CABIN BRACES
COWLING SEPARATION
1/8" SQ. STRIPS
STREAMLINE STRUTS AS SHOWN ABOVE
FRONT VIEW 1/3 SIZE
6-3/8"
PIN
POSITION OF WING STRUTS SHOWN IN DASH LINES
CUT CABIN FORMERS FROM 1/16" SHEET
1/8" SQ. STRIPS
PLACE TWO 1/8" SQ. STRIPS TOGETHER WITH ABOUT 1" OVERLAP ON EACH STRIP. THEN CUT THROUGH BOTH STRIPS AT AN ANGLE USING A RAZOR BLADE. NOW GLUE STRIPS TOGETHER TO FORM A SPLICED LONGERON. (SEE SIDE VIEW)
NOSE VENTS
ELEVATOR
BRACE WIRE
1/8" SQ. STRIPS
TOP LONGERON
CUT FUSELAGE FORMER FROM 1/8" SHEET WOOD
3/32" SQ. STRINGERS
COLOR STRIPE
DOOR FORMERS
WIRE HINGE
1/8" SQ. STRIP
3/32" SQ. STRIP
SIDE PLATES OF TAIL-WHEEL FORK ARE 1/16" SHEET WOOD
PIN PUSHED THROUGH MOTOR SUPPORTS HOLDS RUBBER MOTOR IN PLACE.
BOTTOM SPACER 1-5/8"
BOTTOM SPACER 2-3/8"
BOTTOM SPACER 13/16"
1/8" SQ. STRIP SPLICE BRACE
BOTTOM SPACER 3-1/8"
DOOR HANDLE
THRUST BUTTON
RUBBER
PIN
ASSEMBLY OF MOTOR SUPPORT
SPLICED LONGERON
DOOR CASING FORMERS GLUED OVER 1/8" SQ. STRIPS
3/32" SQ.
GLUE NOSE-BLOCK LIGHTLY IN PLACE AND SHAPE. THEN REMOVE TO INSTALL RUBBER MOTOR.
BOTTOM SPACER 3-7/8"
SHAPE WHEEL FROM 1/8" PRINTED SHEET
PIN SERVES AS AXLE
DOOR & CASING ASSEMBLY
FUSELAGE FORMER
3/32" SQ. STRINGERS
CUT FROM 1/8" PRINTED SHEET
1/8" SQ. STRIPS
1/8" SQ. STRIP
3/32" SQ. STRIP
WIRE HINGE
CUT DOOR FORMERS FROM 1/16" PRINTED SHEET
CUT RE-ENFORCING PLATE FROM 1/8" SHEET WOOD
WIRE HINGE
1/8" SQ. STRIPS
BUILD ELEVATOR OVER LAYOUT. THEN COVER ELEVATOR WITH TISSUE BEFORE GLUING IT IN PLACE ON FUSELAGE.
INSTRUMENT PANEL CEMENT TO FORMER 3
1-3/4" DIA. WHEELS
COMET MODEL HOBBYCRAFT CORP., CHICAGO, ILL.
AERONCA
WINGSPAN - 54"
LENGTH - 31"
KIT NO. 3506
SCALE 1-1/2" = 1'-0"
DRAWN BY


END RIB SLANT FORMER
TAILWHEEL STRUT
TAIL LIGHTS
WING LIGHTS
DIHEDRAL FORMER
AERONCA KIT 3506 SHEET 1 1/16"
AERONCA KIT 3506 SHEET 2 1/16"
AERONCA KIT 3506 SHEET 3 1/16"
AERONCA KIT 3506 SHEET 4 1/8"
AERONCA KIT 3506 SHEET 5 1/8"
MOTOR SUPPORTS
BEVEL TO THIS LINE
RUBBER MOTOR