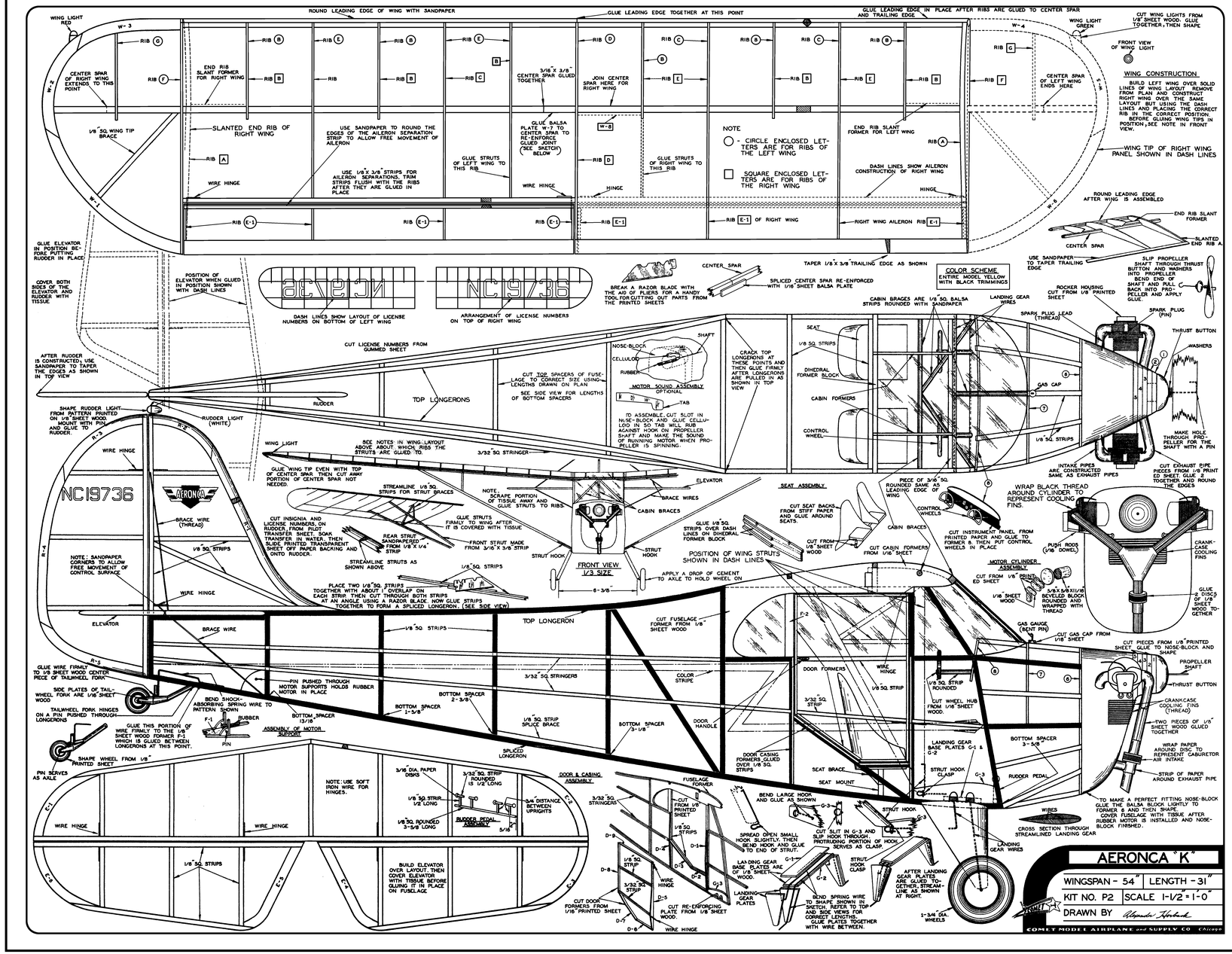
ROUND LEADING EDGE OF WING WITH SANDPAPER
GLUE LEADING EDGE TOGETHER AT THIS POINT
GLUE LEADING EDGE IN PLACE AFTER RIBS ARE GLUED TO CENTER SPAR AND TRAILING EDGE
WING LIGHT RED
WING LIGHT GREEN
CENTER SPAR OF RIGHT WING EXTENDS TO THIS POINT
END RIB SLANT FORMER FOR RIGHT WING
SLANTED END RIB OF RIGHT WING
USE SANDPAPER TO ROUND THE EDGES OF THE AILERON SEPARATION STRIP TO ALLOW FREE MOVEMENT OF AILERON
USE 1/8" X 3/8" STRIPS FOR AILERON SEPARATIONS. TRIM STRIPS FLUSH WITH THE RIBS AFTER THEY ARE GLUED IN PLACE
3/16" X 3/8" CENTER SPAR GLUED TOGETHER
JOIN CENTER SPAR HERE FOR RIGHT WING
GLUE BALSA PLATE W-7 TO CENTER SPAR TO RE-ENFORCE GLUED JOINT (SEE SKETCH) BELOW
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
DASH LINES SHOW AILERON CONSTRUCTION OF RIGHT WING
CENTER SPAR OF LEFT WING ENDS HERE
CUT WING LIGHTS FROM 1/8" SHEET WOOD. GLUE TOGETHER, THEN SHAPE
FRONT VIEW OF WING LIGHT
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
1/8" SQ. WING TIP BRACE
WIRE HINGE
HINGE
RIB E-1 OF RIGHT WING
RIGHT WING AILERON RIB E-1
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
DASH LINES SHOW LAYOUT OF LICENSE NUMBERS ON BOTTOM OF LEFT WING
ARRANGEMENT OF LICENSE NUMBERS ON TOP OF RIGHT WING
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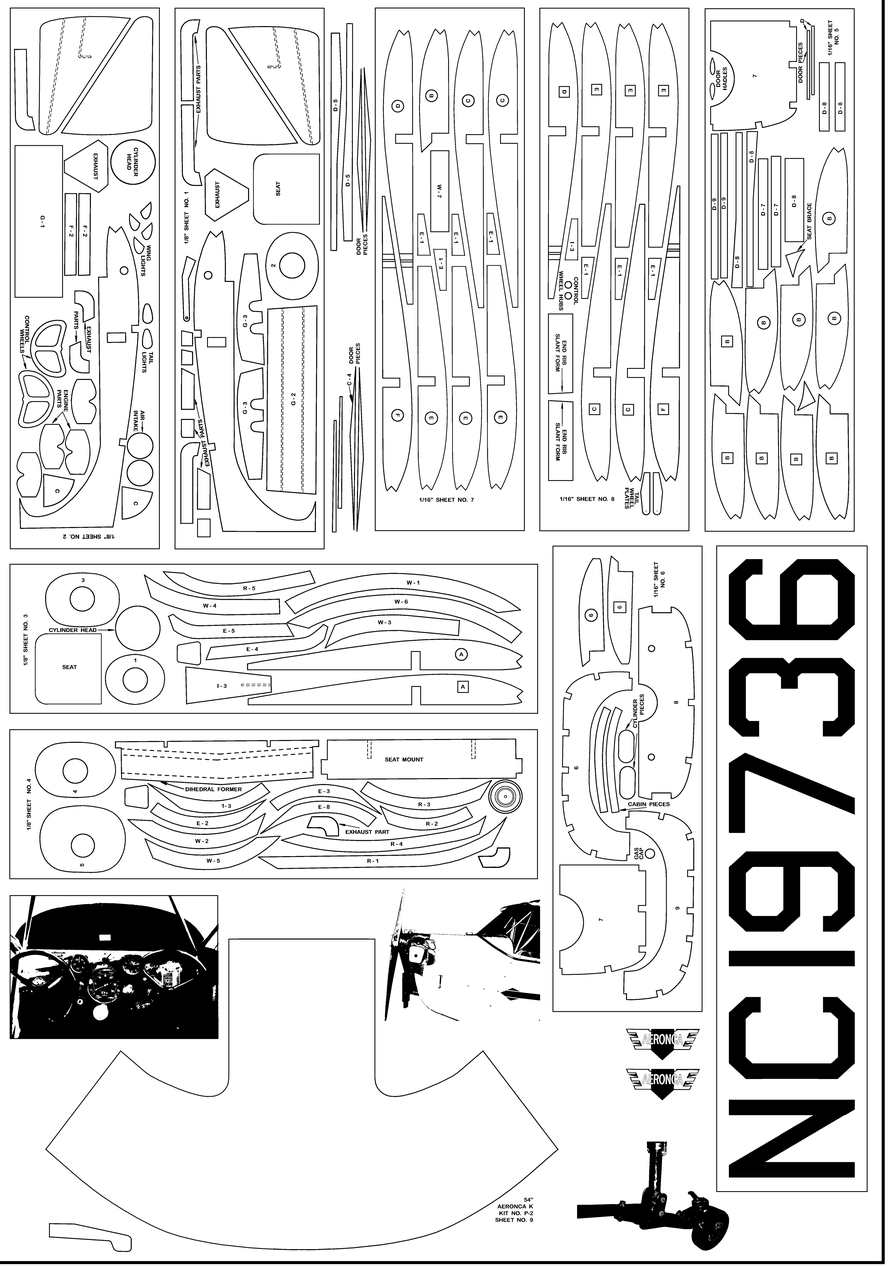
CENTER SPAR
BREAK A RAZOR BLADE WITH THE AID OF PLIERS FOR A HANDY TOOL FOR CUTTING OUT PARTS FROM THE PRINTED SHEETS
SPLICED CENTER SPAR RE-ENFORCED WITH 1/16" SHEET BALSA PLATE
TAPER 1/8" X 3/8" TRAILING EDGE AS SHOWN
COLOR SCHEME
ENTIRE MODEL YELLOW WITH BLACK TRIMMINGS
ROUND LEADING EDGE AFTER WING IS ASSEMBLED
END RIB SLANT FORMER
SLANTED END RIB A
CENTER SPAR
USE SANDPAPER TO TAPER TRAILING EDGE
SLIP PROPELLER SHAFT THROUGH THRUST BUTTON AND WASHERS INTO PROPELLER. SLIP END OF SHAFT AND PULL BACK INTO PROPELLER AND APPLY GLUE.
ROCKER HOUSING CUT FROM 1/8 PRINTED SHEET
CABIN BRACES ARE 1/8 SQ. BALSA STRIPS ROUNDED WITH SANDPAPER
LANDING GEAR WIRES
SPARK PLUG LEAD (THREAD)
SPARK PLUG (PIN)
THRUST BUTTON
WASHERS
AFTER RUDDER IS CONSTRUCTED, USE SANDPAPER TO TAPER THE EDGES AS SHOWN IN TOP VIEW
CUT LICENSE NUMBERS FROM GUMMED SHEET
NOSE-BLOCK
SHAFT
CELLULOID
RUBBER
MOTOR SOUND ASSEMBLY OPTIONAL
TAB
TO ASSEMBLE, CUT SLOT IN NOSE-BLOCK AND GLUE CELLULOID IN SO TAB WILL RUB AGAINST HOOK ON PROPELLER SHAFT AND MAKE THE SOUND OF RUNNING MOTOR WHEN PROPELLER IS SPINNING.
CUT TOP SPACERS OF FUSELAGE TO CORRECT SIZE USING LENGTHS DRAWN ON PLAN
SEE SIDE VIEW FOR LENGTHS OF BOTTOM SPACERS
TOP LONGERONS
RUDDER
CRACK TOP LONGERONS AT THESE POINTS AND THEN GLUE FIRMLY. AFTER LONGERONS ARE PULLED IN AS SHOWN IN TOP VIEW
SEAT
1/8 SQ. STRIPS
DIHEDRAL FORMER BLOCK
CABIN FORMERS
CONTROL WHEEL
GAS CAP
1/8 SQ. STRIPS
MAKE HOLE THROUGH PROPELLER FOR THE SHAFT WITH A PIN
SHAPE RUDDER LIGHT FROM PATTERN PRINTED ON 1/8" SHEET WOOD. MOUNT WITH PIN AND GLUE TO RUDDER.
RUDDER LIGHT (WHITE)
WIRE HINGE
WING LIGHT
SEE NOTES IN WING LAYOUT ABOVE ABOUT WHICH RIBS THE STRUTS ARE GLUED TO.
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
SEAT ASSEMBLY
PIECE OF 3/8" SQ. ROUNDED SAME AS LEADING EDGE OF WING
WRAP BLACK THREAD AROUND CYLINDER TO REPRESENT COOLING FINS.
INTAKE PIPES ARE CONSTRUCTED SAME AS EXHAUST PIPES
CUT EXHAUST PIPE PIECES FROM 1/8 PRINTED SHEET. GLUE 2 TOGETHER AND ROUND THE EDGES
BRACE WIRE (THREAD)
CUT INSIGNIA AND LICENSE NUMBERS ON RUDDER FROM PILOT TRANSFER SHEET. SOAK TRANSFER IN WATER, THEN SLIDE PRINTED TRANSPARENT SHEET OFF PAPER BACKING AND ONTO RUDDER.
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 3/16" X 3/8" STRIP
STREAMLINE STRUTS AS SHOWN ABOVE
STRUT HOOK
FRONT VIEW 1/3 SIZE
8-3/8"
GLUE 1/8" SQ. STRIPS OVER DASH LINES ON DIHEDRAL FORMER BLOCK
CUT SEAT BACKS FROM STIFF PAPER AND GLUE AROUND SEATS.
CONTROL WHEELS
CABIN BRACES
CUT INSTRUMENT PANEL FROM PRINTED PAPER AND GLUE TO FORMER 8. THEN PUT CONTROL WHEELS IN PLACE
CUT FROM 1/8" SHEET WOOD
CUT CABIN FORMERS FROM 1/16" SHEET
PUSH RODS (1/16" DOWEL)
CRANK-CASE COOLING FINS
NOTE: SANDPAPER CORNERS TO ALLOW FREE MOVEMENT OF CONTROL SURFACE
1/8" SQ. STRIPS
WIRE HINGE
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)
POSITION OF WING STRUTS SHOWN IN DASH LINES
APPLY A DROP OF CEMENT TO AXLE TO HOLD WHEEL ON
MOTOR CYLINDER ASSEMBLY
CUT FROM 1/8" PRINTED SHEET
1/16" SHEET WOOD
5/8 X 5/8 X 11/16 BEVELED BLOCK ROUNDED AND WRAPPED WITH THREAD
GLUE 8 DISCS OF 1/8" SHEET WOOD TOGETHER
ELEVATOR
BRACE WIRE
1/8" SQ. STRIPS
TOP LONGERON
CUT FUSELAGE FORMER FROM 1/8" SHEET WOOD
GAS GAUGE (BENT PIN)
CUT GAS CAP FROM 1/8" SHEET
CUT PIECES FROM 1/8" PRINTED SHEET. GLUE TO NOSE-BLOCK AND SHAPE
PROPELLER SHAFT
GLUE WIRE FIRMLY TO 1/8 SHEET WOOD CENTER PIECE OF TAILWHEEL FORK
SIDE PLATES OF TAIL-WHEEL FORK ARE 1/8" SHEET WOOD
TAILWHEEL FORK HINGES ON A PIN PUSHED THROUGH LONGERONS
BEND SHOCK-ABSORBING SPRING WIRE TO PATTERN SHOWN
PIN PUSHED THROUGH MOTOR SUPPORTS HOLDS RUBBER MOTOR IN PLACE
3/32 SQ. STRINGERS
BOTTOM SPACER 2-3/8"
BOTTOM SPACER 1-3/8"
BOTTOM SPACER 13/16"
RUBBER
PIN
ASSEMBLY OF MOTOR SUPPORT
GLUE THIS PORTION OF WIRE FIRMLY TO THE 1/8 SHEET WOOD FORMER F-1 WHICH IS GLUED BETWEEN LONGERONS AT THIS POINT.
1/8" SQ. STRIP SPLICE BRACE
BOTTOM SPACER 3-1/8"
DOOR HANDLE
COLOR STRIPE
DOOR FORMERS
WIRE HINGE
1/8" SQ. STRIP ROUNDED
1/8" SQ. STRIP
3/32" SQ. STRIP
CUT WHEEL HUB FROM 1/16" SHEET WOOD.
THRUST BUTTON
CRANKCASE COOLING FINS (THREAD)
TWO PIECES OF 1/8" SHEET WOOD GLUED TOGETHER
WRAP PAPER AROUND DISC TO REPRESENT CABURETOR AIR INTAKE
STRIP OF PAPER AROUND EXHAUST PIPE
SHAPE WHEEL FROM 1/8" PRINTED SHEET
PIN SERVES AS AXLE
SPLICED LONGERON
DOOR CASING FORMERS GLUED OVER 1/8 SQ. STRIPS
LANDING GEAR BASE PLATES G-1 & G-2
BOTTOM SPACER 3-5/8"
SEAT BRACE
SEAT MOUNT
STRUT HOOK CLASP
RUDDER PEDAL
TO MAKE A PERFECT FITTING NOSE-BLOCK GLUE THE BALSA BLOCK LIGHTLY TO FORMER 8 AND THEN SHAPE. COVER FUSELAGE WITH TISSUE AFTER RUBBER MOTOR IS INSTALLED AND NOSE-BLOCK FINISHED.
NOTE: USE SOFT IRON WIRE FOR HINGES.
3/16" DIA. PAPER DISKS
3/32 SQ. STRIP ROUNDED IS 1/2" LONG
1/8" SQ. STRIP 1/2" LONG
1/8" SQ. ROUNDED 3-5/8" LONG
RUDDER PEDAL ASSEMBLY
3/4" DISTANCE BETWEEN UPRIGHTS
DOOR & CASING ASSEMBLY
3/32 SQ. STRINGERS
FUSELAGE FORMER
CUT FROM 1/8" PRINTED SHEET
1/8" SQ. STRIPS
BEND LARGE HOOK AND GLUE AS SHOWN
SPREAD OPEN SMALL HOOK SLIGHTLY. THEN BEND HOOK AND GLUE TO END OF STRUT.
CUT SLIT IN G-3 AND SLIP HOOK THROUGH. PROTRUDING PORTION OF HOOK SERVES AS CLASP.
STRUT HOOK
WIRES
CROSS SECTION THROUGH STREAMLINED LANDING GEAR
LANDING GEAR WIRES
1/8" SQ. STRIP
3/32" SQ. STRIP
WIRE HINGE
LANDING GEAR BASE PLATES ARE OF 1/8" SHEET WOOD.
STRUT HOOK CLASP
LANDING GEAR PLATES
BEND SPRING WIRE TO SHAPE SHOWN IN SKETCH. REFER TO TOP AND SIDE VIEWS FOR CORRECT LENGTHS. GLUE PLATES TOGETHER WITH WIRE BETWEEN.
AFTER LANDING GEAR PLATES ARE GLUED TOGETHER, STREAMLINE AS SHOWN AT RIGHT.
1-3/4 DIA. WHEELS
BUILD ELEVATOR OVER LAYOUT. THEN COVER ELEVATOR WITH TISSUE BEFORE GLUING IT IN PLACE ON FUSELAGE
CUT DOOR FORMERS FROM 1/16" PRINTED SHEET
CUT RE-ENFORCING PLATE FROM 1/8 SHEET WOOD.
AERONCA "K"
WINGSPAN - 54" | LENGTH - 31"
KIT NO. P2 | SCALE 1-1/2" = 1'-0"
DRAWN BY Alexander Klepchenko
COMET MODEL AIRPLANE and SUPPLY CO. Chicago


1/8" SHEET NO. 2
1/8" SHEET NO. 1
1/16" SHEET NO. 7
1/16" SHEET NO. 8
1/16" SHEET NO. 5
1/16" SHEET NO. 3
1/16" SHEET NO. 4
1/16" SHEET NO. 6
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54" AERONCA K KIT NO. P-2 SHEET NO. 9