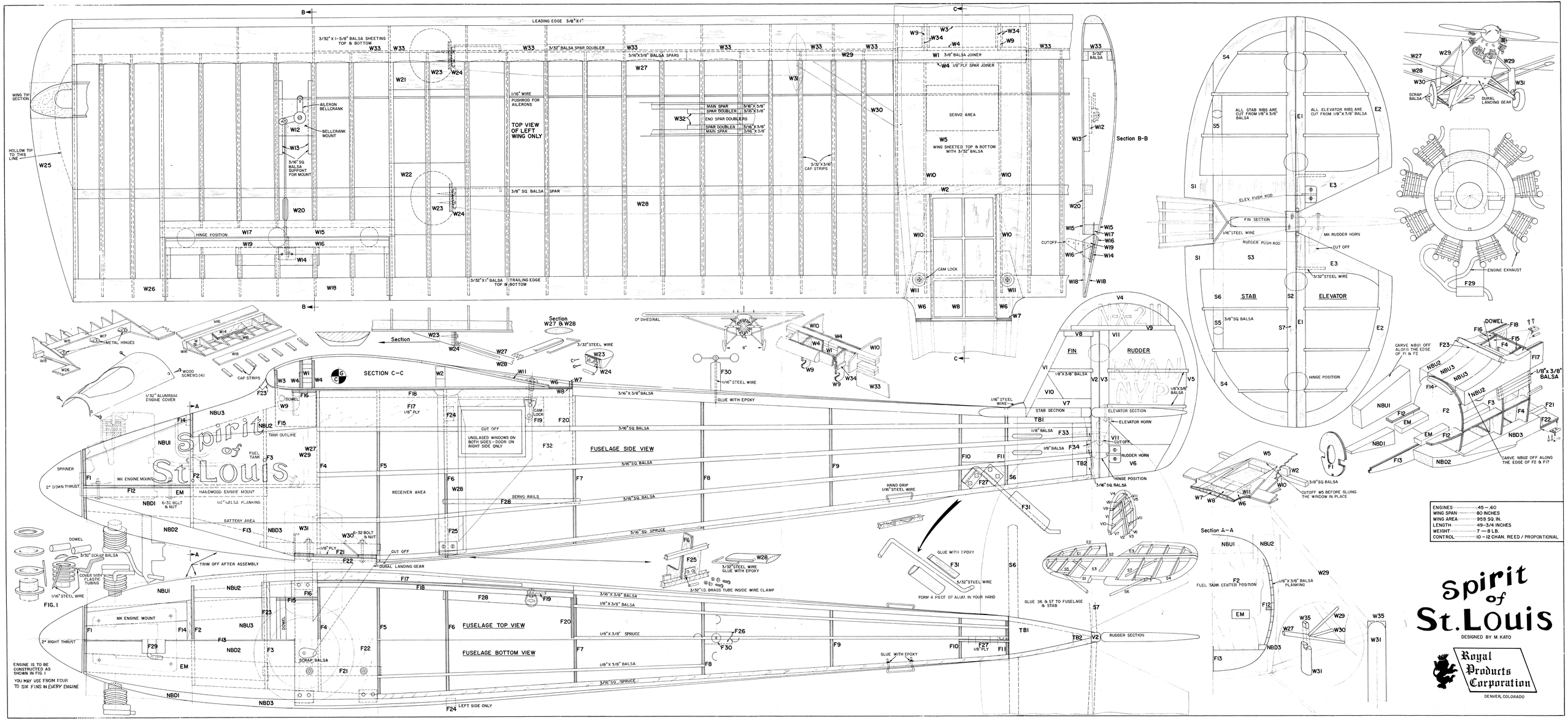
TOP VIEW OF LEFT WING ONLY
LEADING EDGE 3/8"X1"
3/32"X1-5/8" BALSA SHEETING TOP & BOTTOM
3/32" BALSA SPAR DOUBLER
3/16"X3/8" BALSA SPARS
3/8" BALSA JOINER
1/8" PLY SPAR JOINER
WING TIP SECTION
HOLLOW TIP TO THIS LINE
AILERON BELLCRANK
BELLCRANK MOUNT
3/16" SQ BALSA SUPPORT FOR MOUNT
1/16" WIRE PUSHROD FOR AILERONS
MAIN SPAR
SPAR DOUBLER
END SPAR DOUBLERS
SERVO AREA
WING SHEETED TOP & BOTTOM WITH 3/32" BALSA
3/32"X3/16" CAP STRIPS
3/8" SQ. BALSA SPAR
HINGE POSITION
CAM LOCK
CUTOFF
3/32"X1" BALSA TRAILING EDGE TOP & BOTTOM
Section B-B
ALL STAB RIBS ARE CUT FROM 1/8"X 3/8" BALSA
ALL ELEVATOR RIBS ARE CUT FROM 1/8"X 3/8" BALSA
ELEV PUSH ROD
FIN SECTION
1/8" STEEL WIRE
RUDDER PUSH ROD
MK RUDDER HORN
CUT OFF
3/32" STEEL WIRE
STAB
ELEVATOR
3/8" SQ BALSA
SCRAP BALSA
DURAL LANDING GEAR
ENGINE EXHAUST
METAL HINGES
WOOD SCREWS (4)
CAP STRIPS
1/32" ALUMINUM ENGINE COVER
Section W27 & W28
Section
0° DIHEDRAL
8°
3/32" STEEL WIRE
SECTION C-C
1/16" STEEL WIRE
GLUE WITH EPOXY
3/16"X 3/8" BALSA
1/8" PLY
DOWEL
CAM LOCK
TANK OUTLINE
FUEL TANK
CUT OFF
UNGLASED WINDOWS ON BOTH SIDES - DOOR ON RIGHT SIDE ONLY
FUSELAGE SIDE VIEW
3/8" SQ BALSA
SPINNER
2° DOWN THRUST
MK ENGINE MOUNT
HARDWOOD ENGINE MOUNT
1/4" BALSA PLANKING
6-32 BOLT & NUT
BATTERY AREA
RECEIVER AREA
SERVO RAILS
3/8" SQ. SPRUCE
FIN
RUDDER
STAB SECTION
ELEVATOR SECTION
ELEVATOR HORN
RUDDER HORN
HINGE POSITION
HAND GRIP 1/8" STEEL WIRE
GLUE WITH EPOXY
FORM A PIECE OF ALUM. IN YOUR HAND
GLUE S6 & S7 TO FUSELAGE & STAB
RUDDER SECTION
CUTOFF W5 BEFORE GLUING THE WINDOW IN PLACE
CARVE NBU1 OFF ALONG THE EDGE OF F1 & F2
CARVE NBU2 OFF ALONG THE EDGE OF F2 & F17
Section A-A
FUEL TANK CENTER POSITION
1/8"X 3/8" BALSA PLANKING
TRIM OFF AFTER ASSEMBLY
3/32" SCRAP BALSA
COVER WITH PLASTIC TUBING
1/16" STEEL WIRE
FIG. I
2° RIGHT THRUST
FUSELAGE TOP VIEW
FUSELAGE BOTTOM VIEW
1/8"X 3/8" BALSA
1/8"X 3/8" SPRUCE
3/32" I.D. BRASS TUBE INSIDE WIRE CLAMP
LEFT SIDE ONLY
ENGINE IS TO BE CONSTRUCTED AS SHOWN IN FIG. I
YOU MAY USE FROM FOUR TO SIX FINS IN EVERY ENGINE
ENGINES ..... .45 – .60
WING SPAN ..... 80 INCHES
WING AREA ..... 959 SQ. IN.
LENGTH ..... 49-3/4 INCHES
WEIGHT ..... 7 – 8 LB.
CONTROL ..... 10 – 12 CHAN. REED / PROPORTIONAL
Spirit of St. Louis
DESIGNED BY M.KATO
Royal Products Corporation
DENVER, COLORADO