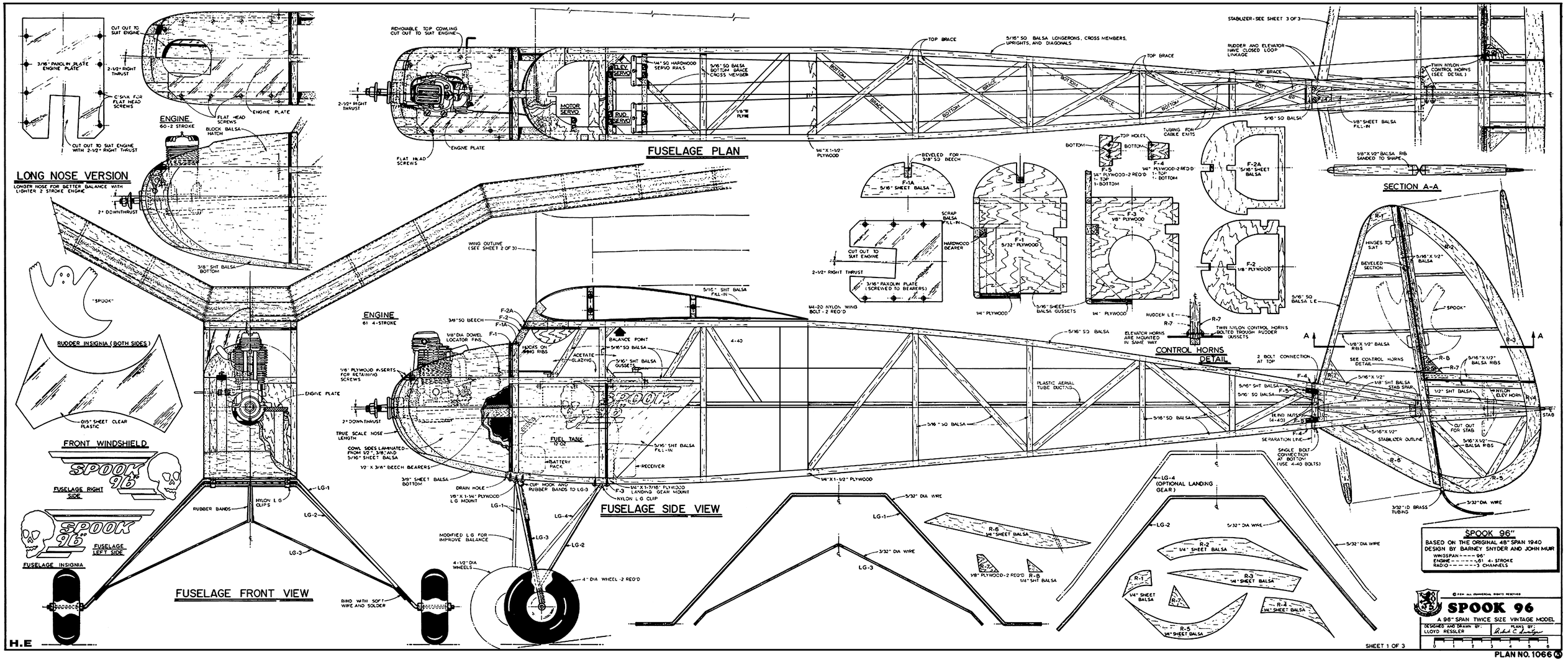
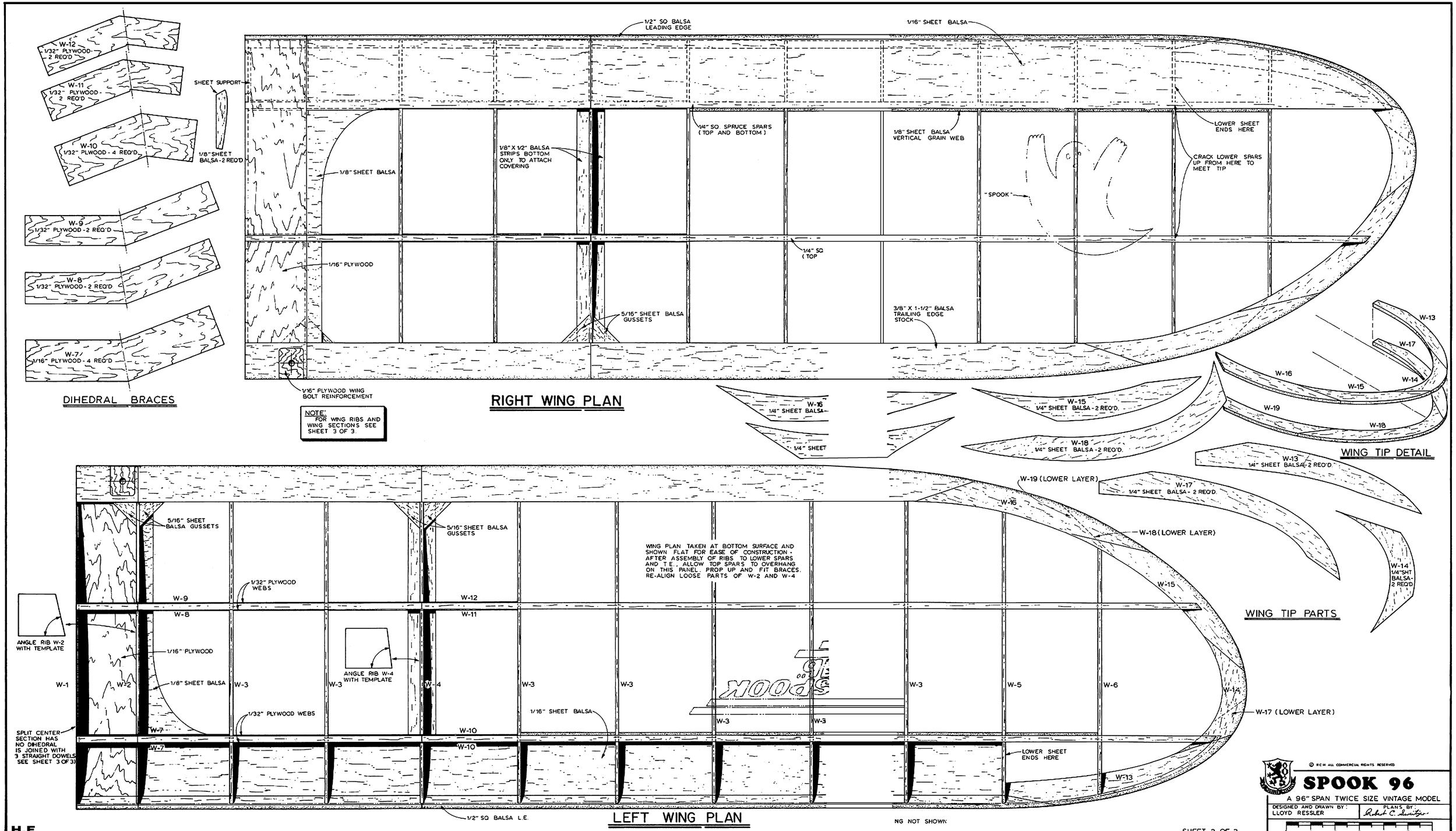

LONG NOSE VERSION
LONGER NOSE FOR BETTER BALANCE WITH LIGHTER 2 STROKE ENGINE
2° DOWNTHRUST
ENGINE
60-2 STROKE
BLOCK BALSA HATCH
FLAT HEAD SCREWS
ENGINE PLATE
CUT OUT TO SUIT ENGINE
3/16" PAXOLIN PLATE ENGINE PLATE
2-1/2° RIGHT THRUST
C'SINK FOR FLAT HEAD SCREWS
CUT OUT TO SUIT ENGINE WITH 2-1/2° RIGHT THRUST
3/8" SHT BALSA BOTTOM
"SPOOK"
RUDDER INSIGNIA (BOTH SIDES)
.015" SHEET CLEAR PLASTIC
FRONT WINDSHIELD
SPOOK 96"
FUSELAGE RIGHT SIDE
FUSELAGE LEFT SIDE
FUSELAGE INSIGNIA
H.E
FUSELAGE FRONT VIEW
RUBBER BANDS
NYLON L G CLIPS
LG-1
LG-2
LG-3
LG-4
MODIFIED L G FOR IMPROVE BALANCE
4-1/2" DIA WHEELS
BIND WITH SOFT WIRE AND SOLDER
4" DIA WHEEL -2 REQ'D
REMOVABLE TOP COWLING CUT OUT TO SUIT ENGINE
ELEV SERVO
RUD SERVO
MOTOR SERVO
1/4" SQ HARDWOOD SERVO RAILS
5/16" SQ BALSA BOTTOM BRACE CROSS MEMBER
1/8" PLYWOOD
FLAT HEAD SCREWS
ENGINE PLATE
FUSELAGE PLAN
TOP BRACE
5/16" SQ BALSA LONGERONS, CROSS MEMBERS, UPRIGHTS, AND DIAGONALS
BOTTOM BRACE
1/4" X 1-1/2" PLYWOOD
STABILIZER-SEE SHEET 3 OF 3
RUDDER AND ELEVATOR HAVE CLOSED LOOP LINKAGE
TWIN NYLON CONTROL HORNS (SEE DETAIL)
5/16" SQ BALSA
1/8" SHEET BALSA FILL-IN
TUBING FOR CABLE EXITS
1/8" X 1/2" BALSA RIB SANDED TO SHAPE
SECTION A-A
BEVELED FOR 3/8" SQ BEECH
F-1A 5/16" SHEET BALSA
SCRAP BALSA FILL-IN
CUT OUT TO SUIT ENGINE
2-1/2° RIGHT THRUST
3/16" PAXOLIN PLATE (SCREWED TO BEARERS)
HARDWOOD BEARER
F-1 5/32" PLYWOOD
1/4-20 NYLON WING BOLT - 2 REQ'D
1/4" PLYWOOD
5/16" SHEET BALSA GUSSETS
F-5 1/4" PLYWOOD-2 REQ'D 1-TOP 1-BOTTOM
TOP HOLES
BOTTOM
F-4 1/4" PLYWOOD-2 REQ'D 1-TOP 1-BOTTOM
F-3 1/8" PLYWOOD
F-2A 5/16" SHEET BALSA
F-2 1/8" PLYWOOD
5/16" SQ BALSA L.E.
WING OUTLINE (SEE SHEET 2 OF 3)
5/16" SHT BALSA FILL-IN
ENGINE
61 4-STROKE
3/8" SQ BEECH
1/8" DIA DOWEL LOCATOR PINS
1/8" PLYWOOD INSERTS FOR RETAINING SCREWS
HOOKS ON WING RIBS
BALANCE POINT
5/16" SQ BALSA
ACETATE GLAZING
5/16" SHT BALSA GUSSET
4-40
2° DOWNTHRUST
TRUE SCALE NOSE LENGTH
COWL SIDES LAMINATED FROM 1/2", 3/8" AND 5/16" SHEET BALSA
1/2" X 3/8" BEECH BEARERS
3/8" SHEET BALSA BOTTOM
DRAIN HOLE
1/8" X 1-3/4" PLYWOOD L G MOUNT
FUEL TANK 10 OZ
BATTERY PACK
RECEIVER
5/16" SHT BALSA FILL-IN
CUP HOOK AND RUBBER BANDS TO LG-3
1/4" X 1-7/16" PLYWOOD F-3 LANDING GEAR MOUNT
NYLON L G CLIP
FUSELAGE SIDE VIEW
1/4" X 1-1/2" PLYWOOD
5/16" SQ BALSA
PLASTIC AERIAL TUBE DUCTING
5/16" SQ BALSA
RUDDER L.E.
R-7
TWIN NYLON CONTROL HORNS BOLTED THROUGH RUDDER GUSSETS
ELEVATOR HORNS ARE MOUNTED IN SAME WAY
CONTROL HORNS DETAIL
2 BOLT CONNECTION AT TOP
SEE CONTROL HORNS DETAIL
5/16" SHT BALSA
5/16" SQ BALSA
BLIND NUTS (4-40)
SEPARATION LINE
SINGLE BOLT CONNECTION AT BOTTOM (USE 4-40 BOLTS)
1/8" X 1/2" BALSA RIBS
5/16" X 1/2" BALSA RIBS
1/8" SHT BALSA STAB SPAR
1/2" SHT BALSA
NYLON ELEV HORN
STAB
CUT OUT FOR STAB
5/16" X 1/2"
STABILIZER OUTLINE
3/32" I.D BRASS TUBING
5/32" DIA WIRE
3/32" DIA WIRE
R-6 1/4" SHEET BALSA
1/8" PLYWOOD-2 REQ'D
R-8 1/4" SHT BALSA
LG-4 (OPTIONAL LANDING GEAR)
R-2 1/4" SHEET BALSA
R-3 1/4" SHEET BALSA
R-1 1/4" SHEET BALSA
R-4 1/4" SHEET BALSA
R-5 1/4" SHEET BALSA
SPOOK 96"
BASED ON THE ORIGINAL 48" SPAN 1940 DESIGN BY BARNEY SNYDER AND JOHN MUIR
WINGSPAN - - - - 96"
ENGINE - - - - - - .61 4-STROKE
RADIO - - - - - - - 3 CHANNELS
© FSM ALL COMMERCIAL RIGHTS RESERVED
SPOOK 96
A 96" SPAN TWICE SIZE VINTAGE MODEL
DESIGNED AND DRAWN BY: LLOYD RESSLER
PLANS BY:
0 1 2 3 4 5 6
SHEET 1 OF 3
PLAN NO. 1066


W-12
1/32" PLYWOOD - 2 REQ'D
W-11
1/32" PLYWOOD - 2 REQ'D
W-10
1/32" PLWOOD - 4 REQ'D
W-9
1/32" PLYWOOD - 2 REQ'D
W-8
1/32" PLYWOOD - 2 REQ'D
W-7
1/16" PLYWOOD - 4 REQ'D
DIHEDRAL BRACES
SHEET SUPPORT
1/8" SHEET BALSA - 2 REQ'D
1/2" SQ BALSA LEADING EDGE
1/16" SHEET BALSA
1/8" X 1/2" BALSA STRIPS BOTTOM ONLY TO ATTACH COVERING
1/4" SQ SPRUCE SPARS (TOP AND BOTTOM)
1/8" SHEET BALSA VERTICAL GRAIN WEB
LOWER SHEET ENDS HERE
CRACK LOWER SPARS UP FROM HERE TO MEET TIP
1/8" SHEET BALSA
"SPOOK"
1/4" SQ (TOP
1/16" PLYWOOD
5/16" SHEET BALSA GUSSETS
3/8" X 1-1/2" BALSA TRAILING EDGE STOCK
1/16" PLYWOOD WING BOLT REINFORCEMENT
RIGHT WING PLAN
NOTE: FOR WING RIBS AND WING SECTIONS SEE SHEET 3 OF 3.
W-16
1/4" SHEET BALSA
1/4" SHEET
W-15
1/4" SHEET BALSA - 2 REQ'D.
W-18
1/4" SHEET BALSA - 2 REQ'D.
W-13
W-17
W-16
W-15
W-14
W-19
W-18
WING TIP DETAIL
W-13
1/4" SHEET BALSA - 2 REQ'D.
W-19 (LOWER LAYER)
W-17
1/4" SHEET BALSA - 2 REQ'D.
W-16
W-18 (LOWER LAYER)
W-14
1/4" SHT BALSA - 2 REQ'D.
W-15
WING TIP PARTS
5/16" SHEET BALSA GUSSETS
5/16" SHEET BALSA GUSSETS
WING PLAN TAKEN AT BOTTOM SURFACE AND SHOWN FLAT FOR EASE OF CONSTRUCTION - AFTER ASSEMBLY OF RIBS TO LOWER SPARS AND T.E., ALLOW TOP SPARS TO OVERHANG ON THIS PANEL. PROP UP AND FIT BRACES. RE-ALIGN LOOSE PARTS OF W-2 AND W-4
1/32" PLYWOOD WEBS
W-9
W-12
W-8
W-11
ANGLE RIB W-2 WITH TEMPLATE
1/16" PLYWOOD
ANGLE RIB W-4 WITH TEMPLATE
W-1
W-2
1/8" SHEET BALSA
W-3
W-3
W-4
W-3
W-3
W-3
W-3
W-3
W-5
W-6
W-14
1/16" SHEET BALSA
1/32" PLYWOOD WEBS
W-17 (LOWER LAYER)
SPLIT CENTER SECTION HAS NO DIHEDRAL IS JOINED WITH 3 STRAIGHT DOWELS (SEE SHEET 3 OF 3)
W-7
W-10
W-7
W-10
LOWER SHEET ENDS HERE
W-13
1/2" SQ BALSA L.E.
LEFT WING PLAN
NG NOT SHOWN
H.E
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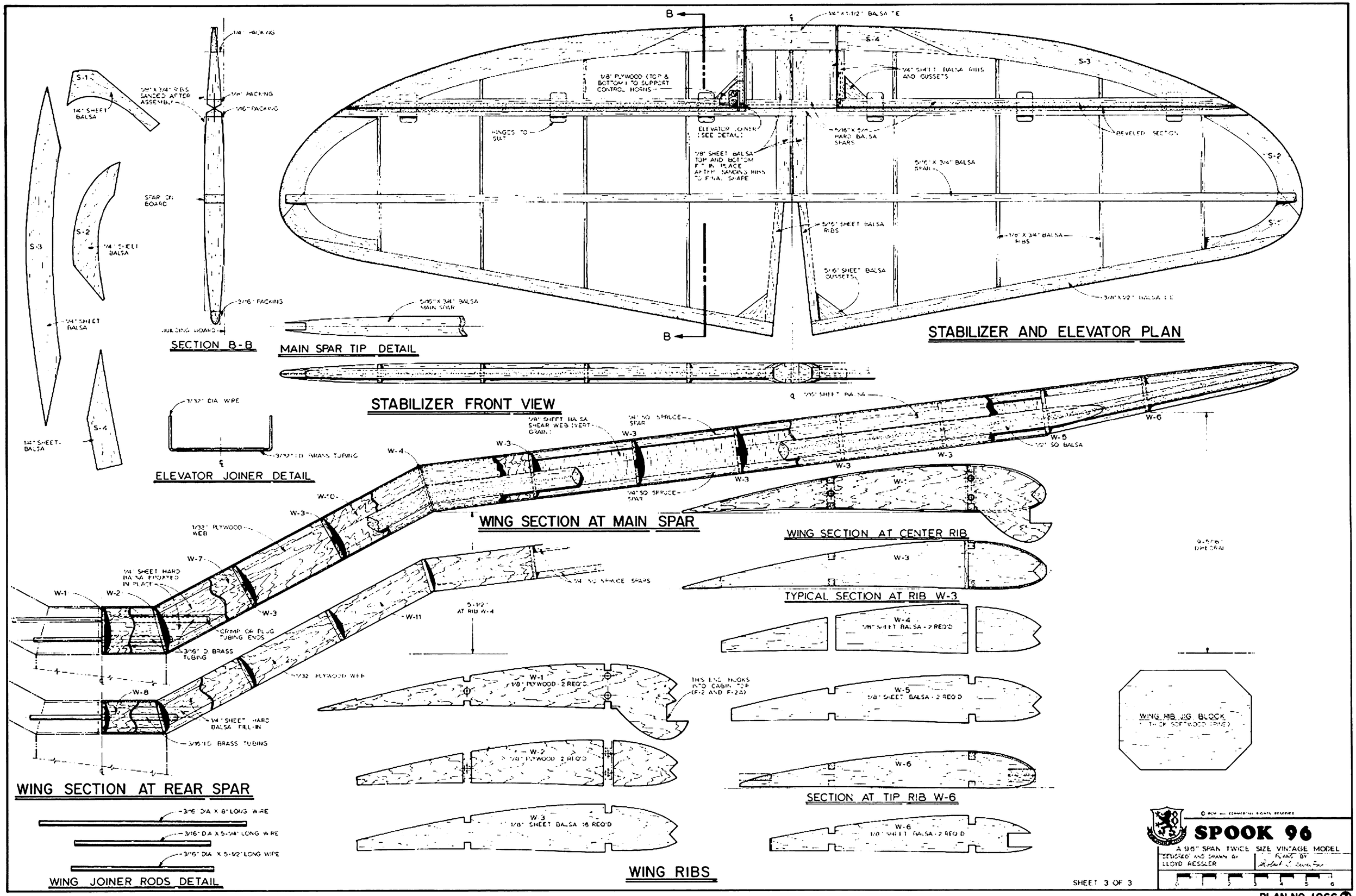
SPOOK 96
A 96" SPAN TWICE SIZE VINTAGE MODEL
DESIGNED AND DRAWN BY: LLOYD RESSLER
PLANS BY: Robert C. Mentzer
0 1 2 3 4 5 6
SHEET 2 OF 3
PLAN NO. 1066 3


STABILIZER AND ELEVATOR PLAN
SECTION B-B
MAIN SPAR TIP DETAIL
STABILIZER FRONT VIEW
ELEVATOR JOINER DETAIL
WING SECTION AT MAIN SPAR
WING SECTION AT CENTER RIB
TYPICAL SECTION AT RIB W-3
WING SECTION AT REAR SPAR
SECTION AT TIP RIB W-6
WING JOINER RODS DETAIL
WING RIBS
WING RIB JIG BLOCK
SPOOK 96
A 96" SPAN TWICE SIZE VINTAGE MODEL
DESIGNED AND DRAWN BY
LLOYD RESSLER
SHEET 3 OF 3
PLAN NO. 1066