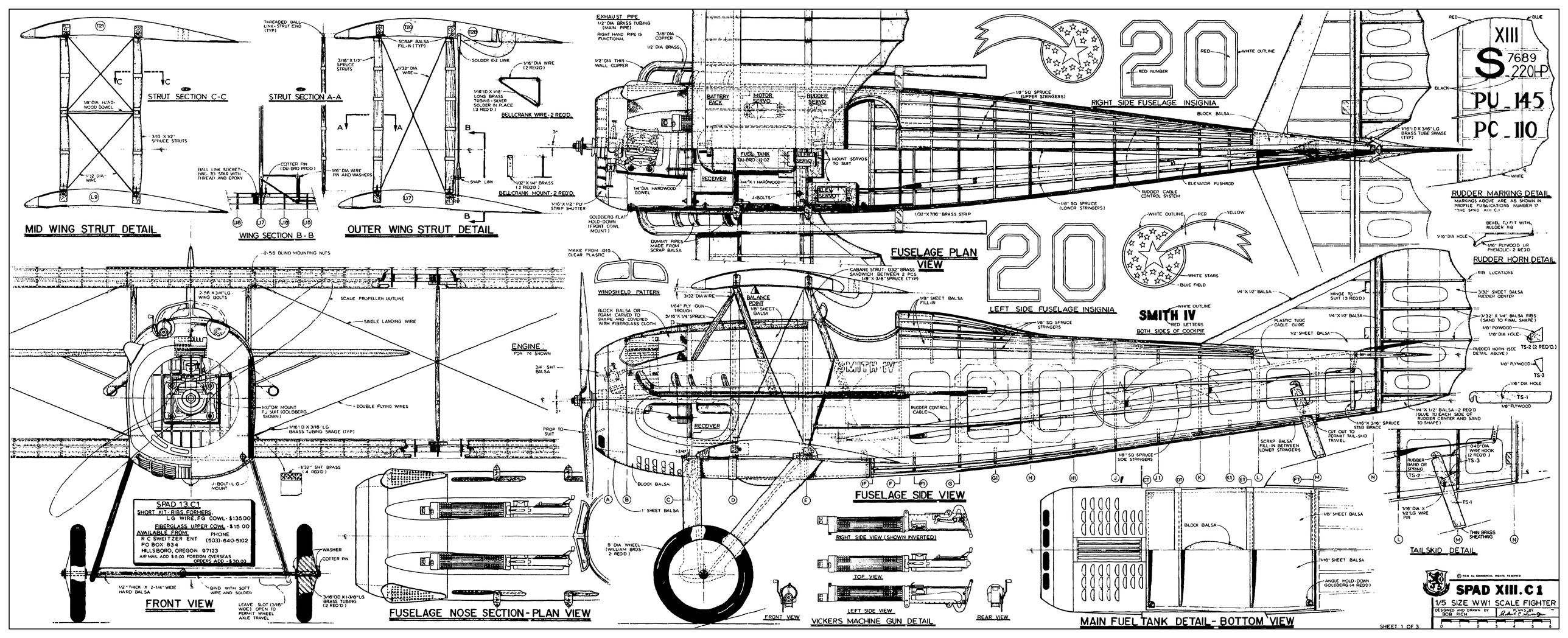
MID WING STRUT DETAIL
STRUT SECTION C-C
STRUT SECTION A-A
WING SECTION B-B
OUTER WING STRUT DETAIL
THREADED BALL LINK - STRUT END (TYP)
3/16" X 1/2" SPRUCE STRUTS
1/8" DIA HARDWOOD DOWEL
1/32" DIA WIRE
BALL LINK SOCKET HNG. TO STRUT WITH THREAD AND EPOXY
COTTER PIN (DU-BRO PROD.)
1/16" DIA WIRE PIN AND WASHERS
SCRAP BALSA FILL-IN (TYP)
SOLDER EZ LINK
SNAP LINK
1/16" DIA WIRE (2 REQ'D)
1/16" ID X 1/16" LONG BRASS TUBING - SILVER SOLDER IN PLACE (3 REQ'D)
BELLCRANK WIRE - 2 REQ'D.
1/32" X 1/4" BRASS (2 REQ'D)
BELLCRANK MOUNT - 2 REQ'D.
1/16" X 1/2" PLY STRIP SHUTTER
EXHAUST PIPE 1/2" DIA BRASS TUBING (MAIN PIPE)
RIGHT HAND PIPE IS FUNCTIONAL
3/8" DIA COPPER
1/2" DIA BRASS
1/2" DIA THIN WALL COPPER
BATTERY PACK
MOTOR SERVO
RUDDER SERVO
FUEL TANK
AILERON SERVO
MOUNT SERVOS TO SUIT
RECEIVER
1/4" X 1 HARDWOOD
J-BOLTS
ELEV. SERVO
1/4" DIA HARDWOOD DOWEL
GOLDBERG FLAT HOLD-DOWN (FRONT COWL MOUNT)
DUMMY PIPES MADE FROM SCRAP BALSA
1/8" SQ SPRUCE (UPPER STRINGERS)
1/8" SQ SPRUCE (LOWER STRINGERS)
1/32" X 7/16" BRASS STRIP
RUDDER CABLE CONTROL SYSTEM
ELEVATOR PUSHROD
BLOCK BALSA
1/16" ID X 3/16" LG BRASS TUBE SWAGE (TYP)
FUSELAGE PLAN VIEW
RIGHT SIDE FUSELAGE INSIGNIA
RED
WHITE OUTLINE
RED NUMBER
BLACK
BLUE
WHITE
XIII
S 7689
220HP
PU 145
PC 110
LEFT SIDE FUSELAGE INSIGNIA
WHITE OUTLINE
RED
YELLOW
WHITE STARS
BLUE FIELD
SMITH IV
RED LETTERS
BOTH SIDES OF COCKPIT
RUDDER MARKING DETAIL
MARKINGS ABOVE ARE AS SHOWN IN PROFILE PUBLICATIONS NUMBER 17 "THE SPAD XIII C1"
BEVEL TO FIT WITH RUDDER HB
1/16" DIA HOLE
1/16" PLYWOOD OR PHENOLIC - 2 REQ'D
RUDDER HORN DETAIL
RIB LOCATIONS
3/32" SHEET BALSA RUDDER CENTER
3/32" X 1/4" BALSA RIBS (SAND TO FINAL SHAPE)
1/8" PLYWOOD
1/16" DIA HOLE
TS-2 (2 REQ'D)
RUDDER HORN (SEE DETAIL ABOVE)
1/8" PLYWOOD
TS-3
1/16" DIA HOLE
TS-1
1/8" PLYWOOD
1/4" X 1/2" BALSA - 2 REQ'D (GLUE TO EACH SIDE OF RUDDER CENTER AND SAND TO SHAPE)
HINGE TO SUIT (3 REQ'D)
1/4" X 1/2" BALSA
PLASTIC TUBE CABLE GUIDE
1/2" SHEET BALSA
1/8" SQ SPRUCE STRINGERS
1/16" X 3/16" SPRUCE STAB BRACE
CUT OUT TO PERMIT TAIL-SKID TRAVEL
SCRAP BALSA FILL-IN BETWEEN LOWER STRINGERS
1/8" SQ SPRUCE SIDE STRINGERS
RUDDER CONTROL CABLE
RECEIVER
BLOCK BALSA
1" SHEET BALSA
5" DIA WHEEL (WILLIAM BROS - 2 REQ'D)
FUSELAGE SIDE VIEW
2-56 BLIND MOUNTING NUTS
2-56 X 3/4" LG WING BOLTS
SCALE PROPELLER OUTLINE
SINGLE LANDING WIRE
ENGINE FOX 74 SHOWN
3/4" SHT BALSA
MOTOR MOUNT TO SUIT (GOLDBERG SHOWN)
DOUBLE FLYING WIRES
1/16" ID X 3/16" LG BRASS TUBING SWAGE (TYP)
PROP TO SUIT
1/32" SHT BRASS (4 REQ'D)
J-BOLT - L G MOUNT
WASHER
COTTER PIN
1/2" THICK X 2-1/4" WIDE HARD BALSA
BIND WITH SOFT WIRE AND SOLDER
LEAVE SLOT (3/16" WIDE) OPEN TO PERMIT WHEEL AXLE TRAVEL
3/8" OD X 1-3/8" LG BRASS TUBING (2 REQ'D)
FRONT VIEW
SPAD 13.C1
SHORT KIT - RIBS FORMERS
LG WIRE, FG COWL - $135.00
FIBERGLASS UPPER COWL - $15.00
AVAILABLE FROM:
R C SWEITZER ENT
PO BOX 834
HILLSBORO, OREGON 97123
PHONE (503)-640-5102
AIR MAIL ADD $6.00 FOREIGN OVERSEAS ORDERS ADD - $30.00
FUSELAGE NOSE SECTION - PLAN VIEW
MAKE FROM .015 CLEAR PLASTIC
WINDSHIELD PATTERN
BLOCK BALSA OR FOAM CARVED TO SHAPE AND COVERED WITH FIBERGLASS CLOTH
1/64" PLY GUN TROUGH
5/16" X 1/4" SPRUCE
3/32" DIA WIRE
BALANCE POINT
1/8" SHEET BALSA
CABANE STRUT - .032" BRASS SANDWICH BETWEEN 2 PCS 1/8" X 3/8" SPRUCE (TYP)
1/8" SHEET BALSA FILL-IN
1/8" SQ SPRUCE STRINGERS
RIGHT SIDE VIEW (SHOWN INVERTED)
TOP VIEW
LEFT SIDE VIEW
FRONT VIEW
VICKERS MACHINE GUN DETAIL
REAR VIEW
BLOCK BALSA
1/8" SHEET BALSA
1/16" SHEET BALSA
ANGLE HOLD-DOWN GOLDBERG (4 REQ'D)
MAIN FUEL TANK DETAIL - BOTTOM VIEW
0-40" DIA WIRE HOOK (2 REQ'D)
TS-3
RUBBER BAND OR SPRING
TS-2
TS-1
1/16" DIA X 1/2" LG WIRE PIN
THIN BRASS SHEATHING
TAILSKID DETAIL
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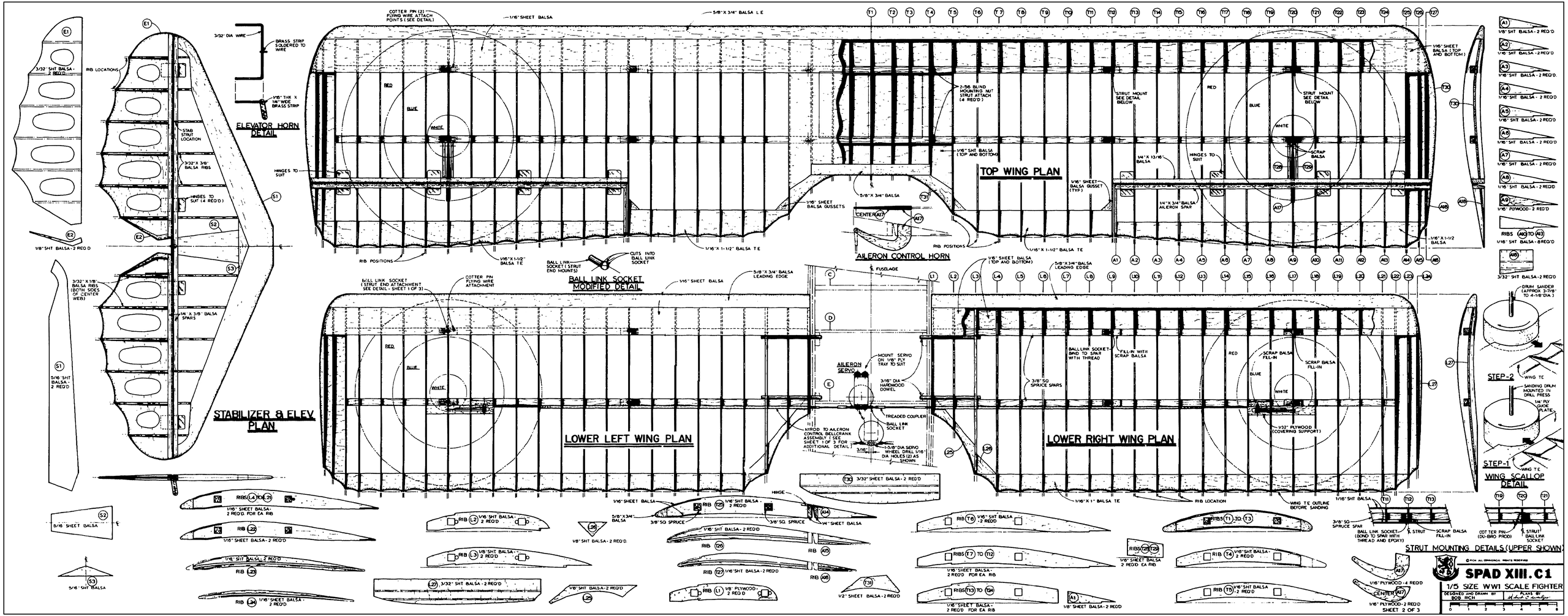
SPAD XIII.C1
1/5 SIZE WW1 SCALE FIGHTER
DESIGNED AND DRAWN BY BOB RICH
PLAN'S BY
SHEET 1 OF 3


STABILIZER & ELEV PLAN
ELEVATOR HORN DETAIL
TOP WING PLAN
AILERON CONTROL HORN
BALL LINK SOCKET MODIFIED DETAIL
LOWER LEFT WING PLAN
LOWER RIGHT WING PLAN
STEP-2
STEP-1
WING SCALLOP DETAIL
STRUT MOUNTING DETAILS (UPPER SHOWN)
SPAD XIII.C1
1/5 SCALE WW1 SCALE FIGHTER
DESIGNED AND DRAWN BY BOB BICH
PLANS BY
SHEET 2 OF 3

STEP-1

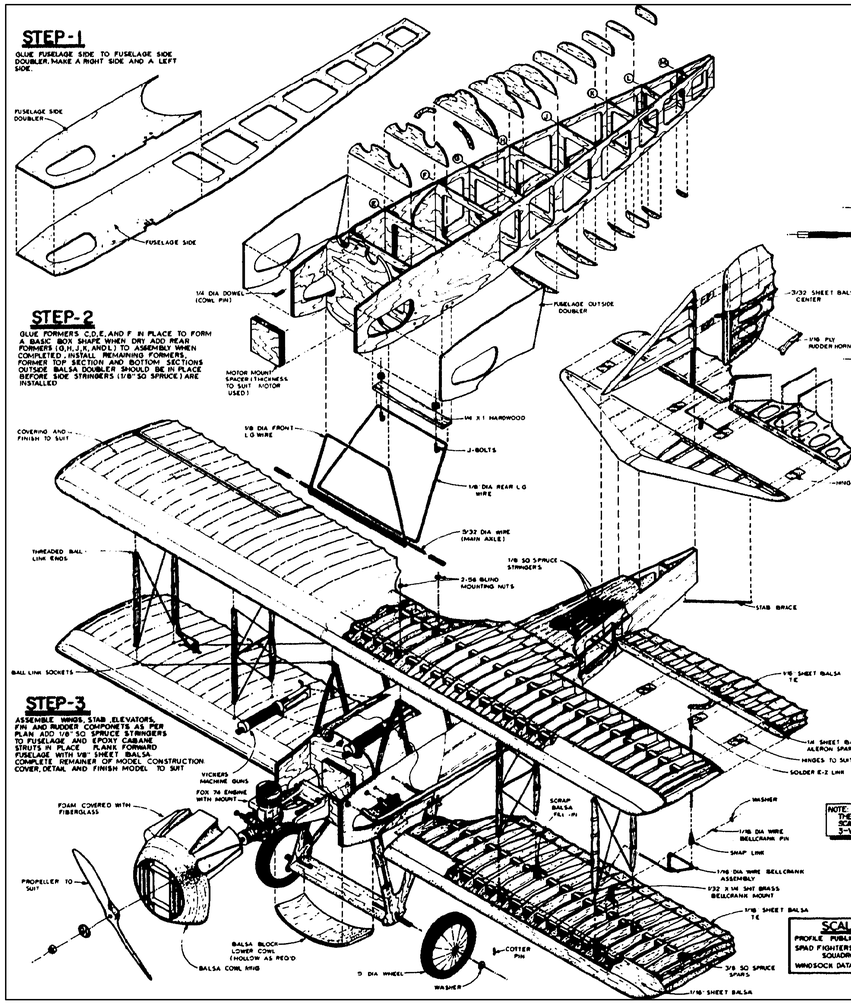
GLUE FUSELAGE SIDE TO FUSELAGE SIDE DOUBLER. MAKE A RIGHT SIDE AND A LEFT SIDE.

STEP-2

GLUE FORMERS C,D,E, AND F IN PLACE TO FORM A BASIC BOX SHAPE WHEN DRY ADD REAR FORMERS (G,H,J,K, AND L) TO ASSEMBLY WHEN COMPLETED. INSTALL REMAINING FORMERS, FORMER TOP SECTION AND BOTTOM SECTIONS OUTSIDE BALSA DOUBLER SHOULD BE IN PLACE BEFORE SIDE STRINGERS (1/8" SQ SPRUCE) ARE INSTALLED

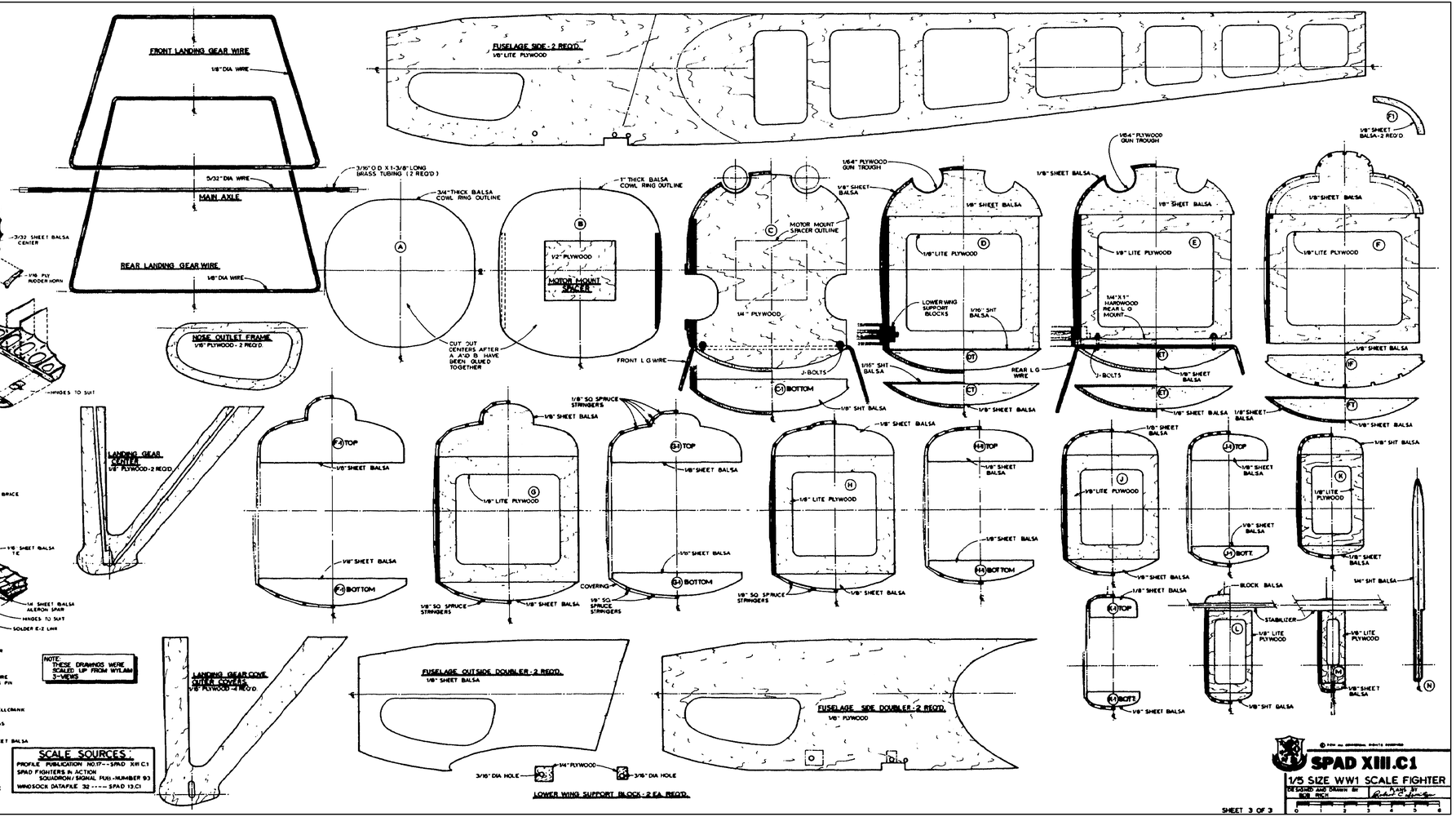
STEP-3

ASSEMBLE WINGS, STAB, ELEVATORS, FIN AND RUDDER COMPONETS AS PER PLAN ADD 1/8" SQ SPRUCE STRINGERS TO FUSELAGE AND EPOXY CABANE STRUTS IN PLACE PLANK FORWARD FUSELAGE WITH 1/8" SHEET BALSA. COMPLETE REMAINER OF MODEL CONSTRUCTION COVER, DETAIL AND FINISH MODEL TO SUIT



NOTE: THESE DRAWINGS WERE SCALED UP FROM WYLAM 3-VIEWS

SCALE SOURCES:
PROFILE PUBLICATION NO.17 - - - SPAD XIII C.1
SPAD FIGHTERS IN ACTION
SQUADRON/SIGNAL PUB.-NUMBER 93
WINDSOCK DATAFILE 32 - - - - SPAD 13.C1


FRONT LANDING GEAR WIRE
1/8" DIA WIRE
5/32" DIA WIRE
MAIN AXLE
REAR LANDING GEAR WIRE
1/8" DIA WIRE
3/16" O.D. X 1-3/8" LONG BRASS TUBING (2 REQ'D)
NOSE OUTLET FRAME
1/8" PLYWOOD - 2 REQ'D.
LANDING GEAR CENTER
1/8" PLYWOOD - 2 REQ'D.
LANDING GEAR COVE OUTER COVERS
1/8" PLYWOOD - 4 REQ'D
FUSELAGE SIDE - 2 REQ'D.
1/8" LITE PLYWOOD
3/4" THICK BALSA COWL RING OUTLINE
1" THICK BALSA COWL RING OUTLINE
1/2" PLYWOOD
MOTOR MOUNT SPACER
CUT OUT CENTERS AFTER A AND B HAVE BEEN GLUED TOGETHER
FRONT L G WIRE
1/8" SHEET BALSA - 2 REQ'D
1/8" SHEET BALSA
1/8" LITE PLYWOOD
1/4" PLYWOOD
MOTOR MOUNT SPACER OUTLINE
LOWER WING SUPPORT BLOCKS
1/16" SHT BALSA
J-BOLTS
BOTTOM
1/8" SHT BALSA
1/8" SQ SPRUCE STRINGERS
1/8" SHEET BALSA
TOP
BOTTOM
COVERING
1/8" SQ SPRUCE STRINGERS
1/8" LITE PLYWOOD
1/8" SHEET BALSA
1/8" SQ SPRUCE STRINGERS
1/8" SHEET BALSA
1/8" LITE PLYWOOD
1/8" SHEET BALSA
1/8" SHT BALSA
1/8" SHEET BALSA
1/8" SHEET BALSA
1/8" SHEET