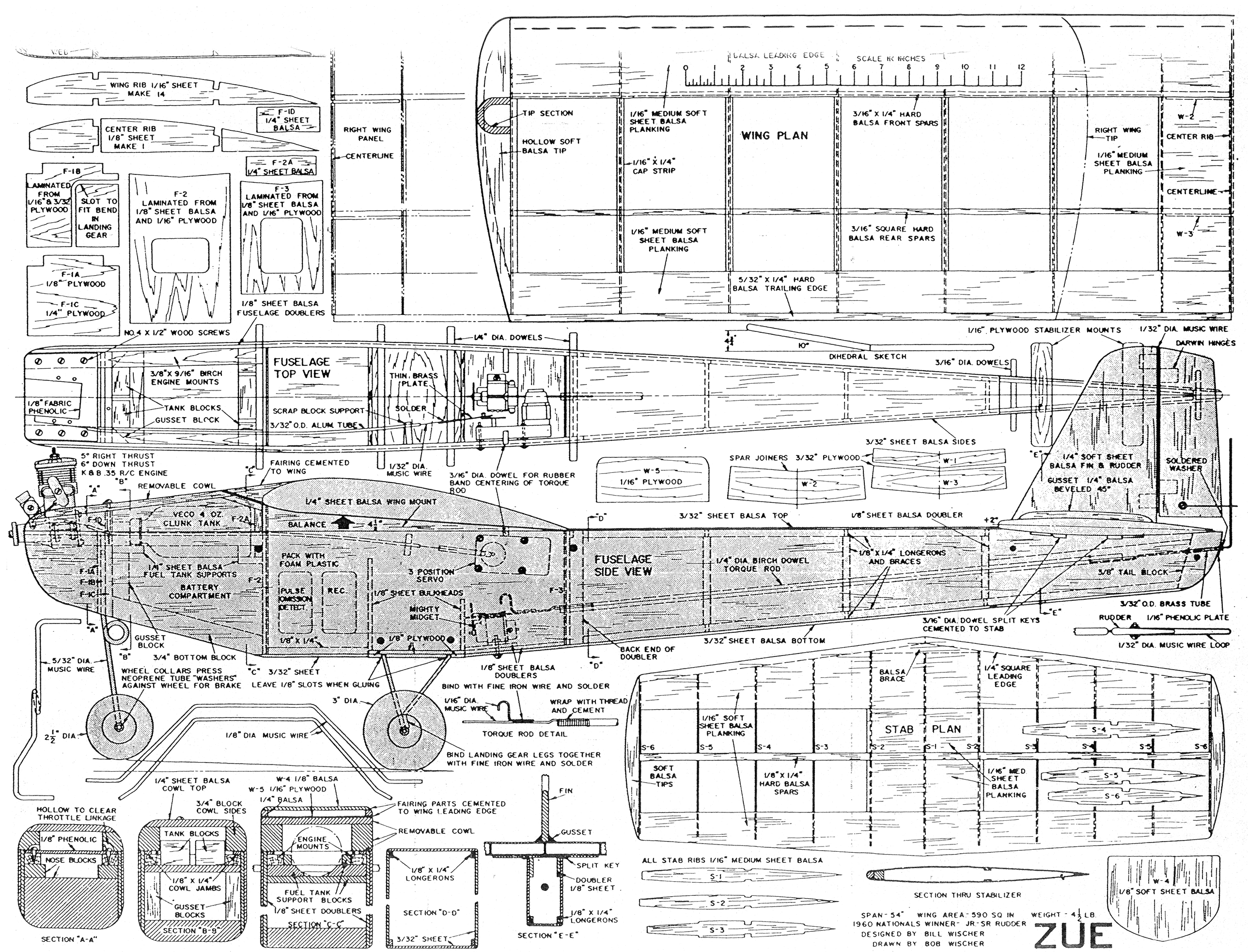
WING RIB 1/16" SHEET MAKE 14
CENTER RIB 1/8" SHEET MAKE 1
F-1D 1/4" SHEET BALSA
F-1B LAMINATED FROM 1/16" & 3/32" PLYWOOD
SLOT TO FIT BEND IN LANDING GEAR
F-2 LAMINATED FROM 1/8" SHEET BALSA AND 1/16" PLYWOOD
F-2A 1/4" SHEET BALSA
F-3 LAMINATED FROM 1/8" SHEET BALSA AND 1/16" PLYWOOD
F-1A 1/8" PLYWOOD
F-1C 1/4" PLYWOOD
1/8" SHEET BALSA FUSELAGE DOUBLERS
RIGHT WING PANEL
CENTERLINE
WING PLAN
BALSA LEADING EDGE
SCALE IN INCHES
TIP SECTION
HOLLOW SOFT BALSA TIP
1/16" MEDIUM SOFT SHEET BALSA PLANKING
1/16" X 1/4" CAP STRIP
1/16" MEDIUM SOFT SHEET BALSA PLANKING
3/16" X 1/4" HARD BALSA FRONT SPARS
3/16" SQUARE HARD BALSA REAR SPARS
5/32" X 1/4" HARD BALSA TRAILING EDGE
RIGHT WING TIP
1/16" MEDIUM SHEET BALSA PLANKING
W-2
CENTER RIB
CENTERLINE
W-3
NO. 4 X 1/2" WOOD SCREWS
1/4" DIA. DOWELS
DIHEDRAL SKETCH
1/16" PLYWOOD STABILIZER MOUNTS
1/32" DIA. MUSIC WIRE
DARWIN HINGES
3/16" DIA. DOWELS
FUSELAGE TOP VIEW
3/8" X 9/16" BIRCH ENGINE MOUNTS
1/8" FABRIC PHENOLIC
TANK BLOCKS
GUSSET BLOCK
SCRAP BLOCK SUPPORT
3/32" O.D. ALUM. TUBE
THIN BRASS PLATE
SOLDER
3/32" SHEET BALSA SIDES
SPAR JOINERS 3/32" PLYWOOD
W-5 1/16" PLYWOOD
W-1
W-2
W-3
5° RIGHT THRUST
6° DOWN THRUST
K & B .35 R/C ENGINE
REMOVABLE COWL
FAIRING CEMENTED TO WING
1/32" DIA. MUSIC WIRE
3/16" DIA. DOWEL FOR RUBBER BAND CENTERING OF TORQUE ROD
1/4" SHEET BALSA WING MOUNT
VECO 4 OZ. CLUNK TANK
BALANCE
3/32" SHEET BALSA TOP
1/8" SHEET BALSA DOUBLER
1/4" SOFT SHEET BALSA FIN & RUDDER
GUSSET 1/4" BALSA BEVELED 45°
SOLDERED WASHER
1/4" SHEET BALSA FUEL TANK SUPPORTS
BATTERY COMPARTMENT
PACK WITH FOAM PLASTIC
PULSE EMISSION DETECT.
REC.
3 POSITION SERVO
1/8" SHEET BULKHEADS
MIGHTY MIDGET
1/8" X 1/4"
1/8" PLYWOOD
FUSELAGE SIDE VIEW
1/4" DIA. BIRCH DOWEL TORQUE ROD
1/8" X 1/4" LONGERONS AND BRACES
3/8" TAIL BLOCK
3/32" O.D. BRASS TUBE
RUDDER
1/16" PHENOLIC PLATE
1/32" DIA. MUSIC WIRE LOOP
3/16" DIA. DOWEL SPLIT KEYS CEMENTED TO STAB
3/32" SHEET BALSA BOTTOM
BACK END OF DOUBLER
1/8" SHEET BALSA DOUBLERS
GUSSET BLOCK
3/4" BOTTOM BLOCK
3/32" SHEET
LEAVE 1/8" SLOTS WHEN GLUING
5/32" DIA. MUSIC WIRE
WHEEL COLLARS PRESS NEOPRENE TUBE "WASHERS" AGAINST WHEEL FOR BRAKE
3" DIA.
2 1/2" DIA.
1/8" DIA. MUSIC WIRE
BIND WITH FINE IRON WIRE AND SOLDER
1/16" DIA. MUSIC WIRE
WRAP WITH THREAD AND CEMENT
TORQUE ROD DETAIL
BIND LANDING GEAR LEGS TOGETHER WITH FINE IRON WIRE AND SOLDER
STAB PLAN
BALSA BRACE
1/4" SQUARE LEADING EDGE
1/16" SOFT SHEET BALSA PLANKING
SOFT BALSA TIPS
1/8" X 1/4" HARD BALSA SPARS
1/16" MED. SHEET BALSA PLANKING
S-1
S-2
S-3
S-4
S-5
S-6
ALL STAB RIBS 1/16" MEDIUM SHEET BALSA
SECTION THRU STABILIZER
W-4 1/8" SOFT SHEET BALSA
HOLLOW TO CLEAR THROTTLE LINKAGE
1/8" PHENOLIC
NOSE BLOCKS
SECTION "A-A"
1/4" SHEET BALSA COWL TOP
3/4" BLOCK COWL SIDES
TANK BLOCKS
1/8" X 1/4" COWL JAMBS
GUSSET BLOCKS
SECTION "B-B"
W-4 1/8" BALSA
W-5 1/16" PLYWOOD
1/4" BALSA
FAIRING PARTS CEMENTED TO WING LEADING EDGE
REMOVABLE COWL
ENGINE MOUNTS
FUEL TANK SUPPORT BLOCKS
1/8" SHEET DOUBLERS
SECTION "C-C"
1/8" X 1/4" LONGERONS
SECTION "D-D"
3/32" SHEET
FIN
GUSSET
SPLIT KEY
DOUBLER 1/8" SHEET
1/8" X 1/4" LONGERONS
SECTION "E-E"
SPAN - 54" WING AREA - 590 SQ IN WEIGHT - 4 1/2 LB.
1960 NATIONALS WINNER - JR-SR RUDDER
DESIGNED BY BILL WISCHER
DRAWN BY BOB WISCHER
ZUE