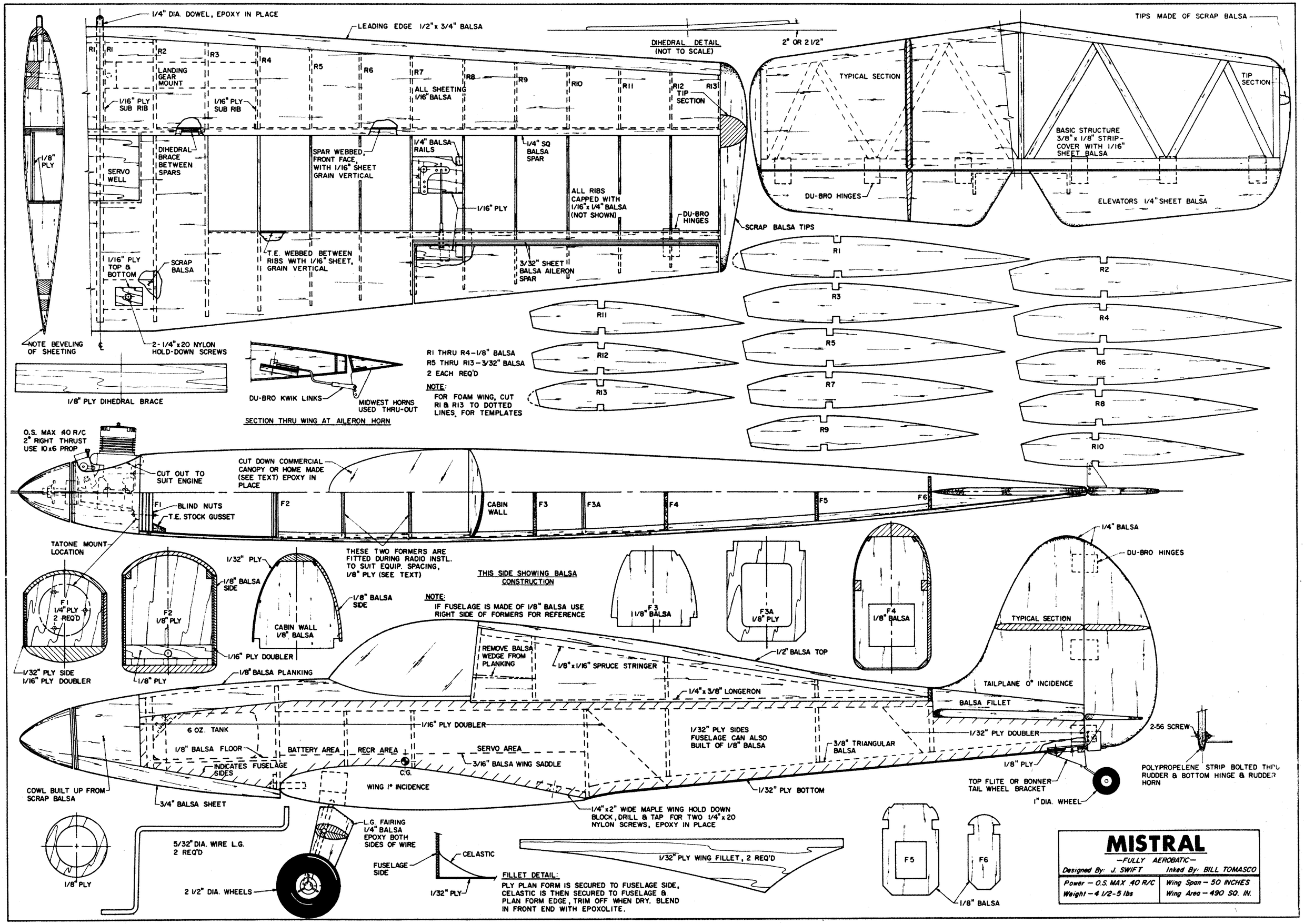
1/4" DIA. DOWEL, EPOXY IN PLACE
LEADING EDGE 1/2"x 3/4" BALSA
DIHEDRAL DETAIL (NOT TO SCALE)
2° OR 2 1/2"
TIPS MADE OF SCRAP BALSA
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
R12
R13
LANDING GEAR MOUNT
1/16" PLY SUB RIB
ALL SHEETING 1/16" BALSA
R12 TIP SECTION
1/8" PLY
SERVO WELL
DIHEDRAL BRACE BETWEEN SPARS
SPAR WEBBED, FRONT FACE, WITH 1/16" SHEET GRAIN VERTICAL
1/4" BALSA RAILS
1/4" SQ BALSA SPAR
1/16" PLY
ALL RIBS CAPPED WITH 1/16"x 1/4" BALSA (NOT SHOWN)
DU-BRO HINGES
SCRAP BALSA TIPS
TYPICAL SECTION
TIP SECTION
BASIC STRUCTURE 3/8"x 1/8" STRIP-COVER WITH 1/16" SHEET BALSA
DU-BRO HINGES
ELEVATORS 1/4" SHEET BALSA
1/16" PLY TOP & BOTTOM
SCRAP BALSA
T.E. WEBBED BETWEEN RIBS WITH 1/16" SHEET, GRAIN VERTICAL
3/32" SHEET BALSA AILERON SPAR
NOTE BEVELING OF SHEETING
2-1/4"x20 NYLON HOLD-DOWN SCREWS
1/8" PLY DIHEDRAL BRACE
DU-BRO KWIK LINKS
MIDWEST HORNS USED THRU-OUT
SECTION THRU WING AT AILERON HORN
R1 THRU R4-1/8" BALSA
R5 THRU R13-3/32" BALSA
2 EACH REQ'D
NOTE:
FOR FOAM WING, CUT R1 & R13 TO DOTTED LINES, FOR TEMPLATES
O.S. MAX .40 R/C
2° RIGHT THRUST
USE 10x6 PROP
CUT OUT TO SUIT ENGINE
CUT DOWN COMMERCIAL CANOPY OR HOME MADE (SEE TEXT) EPOXY IN PLACE
F1
BLIND NUTS
T.E. STOCK GUSSET
F2
CABIN WALL
F3
F3A
F4
F5
F6
TATONE MOUNT LOCATION
F1 1/4" PLY 2 REQ'D
1/32" PLY SIDE
1/16" PLY DOUBLER
F2 1/8" PLY
1/8" PLY
1/32" PLY
1/8" BALSA SIDE
CABIN WALL 1/8" BALSA
1/8" BALSA SIDE
1/16" PLY DOUBLER
THESE TWO FORMERS ARE FITTED DURING RADIO INSTL. TO SUIT EQUIP. SPACING, 1/8" PLY (SEE TEXT)
THIS SIDE SHOWING BALSA CONSTRUCTION
NOTE:
IF FUSELAGE IS MADE OF 1/8" BALSA USE RIGHT SIDE OF FORMERS FOR REFERENCE
F3 1/8" BALSA
F3A 1/8" PLY
F4 1/8" BALSA
1/2" BALSA TOP
1/4" BALSA
DU-BRO HINGES
TYPICAL SECTION
1/8" BALSA PLANKING
REMOVE BALSA WEDGE FROM PLANKING
1/8"x1/16" SPRUCE STRINGER
1/4"x3/8" LONGERON
TAILPLANE 0° INCIDENCE
BALSA FILLET
6 OZ. TANK
1/16" PLY DOUBLER
1/32" PLY SIDES FUSELAGE CAN ALSO BUILT OF 1/8" BALSA
1/32" PLY DOUBLER
2-56 SCREW
1/8" BALSA FLOOR
BATTERY AREA
RECR AREA
SERVO AREA
3/16" BALSA WING SADDLE
3/8" TRIANGULAR BALSA
INDICATES FUSELAGE SIDES
C.G.
WING 1° INCIDENCE
1/8" PLY
TOP FLITE OR BONNER TAIL WHEEL BRACKET
POLYPROPELENE STRIP BOLTED THRU RUDDER & BOTTOM HINGE & RUDDER HORN
COWL BUILT UP FROM SCRAP BALSA
3/4" BALSA SHEET
1/32" PLY BOTTOM
1/4"x2" WIDE MAPLE WING HOLD DOWN BLOCK, DRILL & TAP FOR TWO 1/4"x20 NYLON SCREWS, EPOXY IN PLACE
1" DIA. WHEEL
1/8" PLY
5/32" DIA. WIRE L.G. 2 REQ'D
L.G. FAIRING 1/4" BALSA EPOXY BOTH SIDES OF WIRE
2 1/2" DIA. WHEELS
FUSELAGE SIDE
CELASTIC
1/32" PLY
FILLET DETAIL:
PLY PLAN FORM IS SECURED TO FUSELAGE SIDE, CELASTIC IS THEN SECURED TO FUSELAGE & PLAN FORM EDGE, TRIM OFF WHEN DRY. BLEND IN FRONT END WITH EPOXOLITE.
1/32" PLY WING FILLET, 2 REQ'D
F5
F6
1/8" BALSA
MISTRAL
—FULLY AEROBATIC—
Designed By: J. SWIFT
Inked By: BILL TOMASCO
Power — O.S. MAX .40 R/C
Weight — 4 1/2-5 lbs
Wing Span — 50 INCHES
Wing Area — 490 SQ. IN.