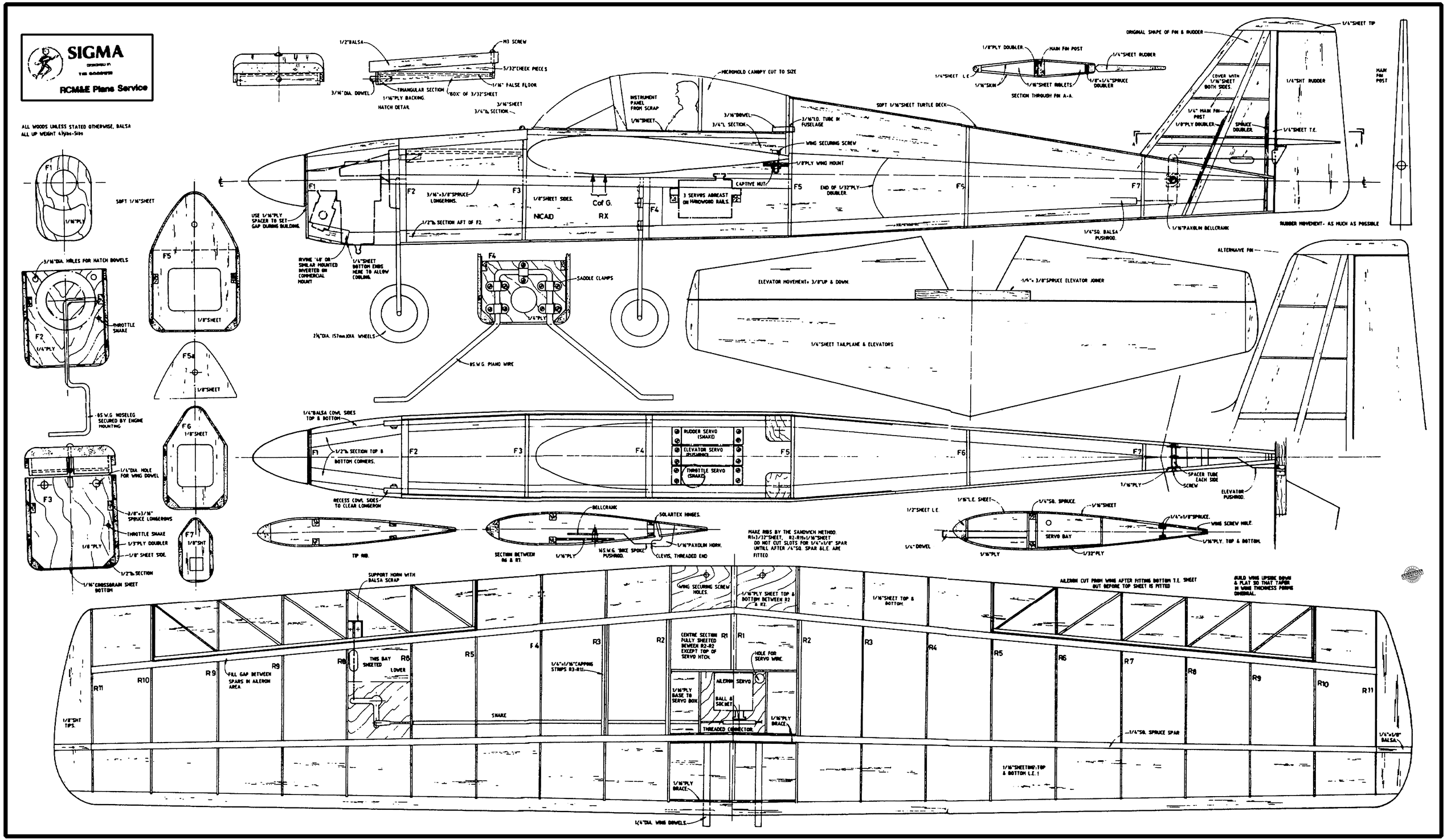
SIGMA
RCM&E Plans Service
ALL WOODS UNLESS STATED OTHERWISE, BALSA
ALL UP WEIGHT 4½lbs-5lbs
1/2"BALSA
M3 SCREW
5/32"CHEEK PIECES
1/16" FALSE FLOOR
3/16"DIA. DOWEL
TRIANGULAR SECTION
1/16"PLY BACKING.
'BOX' OF 3/32"SHEET
HATCH DETAIL
3/16"SHEET
3/4"L SECTION.
MICROMOLD CANOPY CUT TO SIZE
INSTRUMENT PANEL FROM SCRAP
1/16"SHEET.
3/16"DOWEL
3/4"L SECTION.
3/16"I.D. TUBE IN FUSELAGE
SOFT 1/16"SHEET TURTLE DECK
WING SECURING SCREW
1/8"PLY WING MOUNT
CAPTIVE NUT
3 SERVOS ABREAST ON HARDWOOD RAILS.
END OF 1/32"PLY DOUBLER.
1/8"PLY DOUBLER.
MAIN FIN POST
1/4"SHEET RUDDER
1/4"SHEET L.E.
1/16"SKIN
1/16"SHEET RIBLETS
1/8"x1/4"SPRUCE DOUBLER
SECTION THROUGH FIN A-A.
ORIGINAL SHAPE OF FIN & RUDDER
1/4"SHEET TIP
COVER WITH 1/16"SHEET BOTH SIDES.
1/4"SHT RUDDER
MAIN FIN POST
1/4" MAIN FIN POST
1/8"PLY DOUBLER.
SPRUCE DOUBLER
1/4"SHEET T.E.
SOFT 1/16"SHEET
1/16"PLY
F1
F2
F3
F4
F5
F6
F7
3/16"x3/8"SPRUCE LONGERONS.
1/8"SHEET SIDES.
NICAD
Cof G.
RX
USE 1/16"PLY SPACER TO SET GAP DURING BUILDING
1/2"⅁ SECTION AFT OF F2.
IRVINE '68' OR SIMILAR MOUNTED INVERTED ON COMMERCIAL MOUNT
1/4"SHEET BOTTOM ENDS HERE TO ALLOW COWLING
1/4"SQ. BALSA PUSHROD.
1/16"PAXOLIN BELLCRANK
RUBBER MOVEMENT- AS MUCH AS POSSIBLE
ALTERNATIVE FIN
3/16"DIA. HOLES FOR HATCH DOWELS
THROTTLE SNARE
1/8"SHEET
SADDLE CLAMPS
1/4"PLY
2¼"DIA. 157mm JOYA WHEELS
ELEVATOR MOVEMENT= 3/8"UP & DOWN.
1/4"x 3/8"SPRUCE ELEVATOR JOINER
1/4"SHEET TAILPLANE & ELEVATORS
.05 W.G PIANO WIRE
.05 W.G HOSELEG SECURED BY ENGINE MOUNTING
1/4"BALSA COWL SIDES TOP & BOTTOM
1/2"⅁ SECTION TOP & BOTTOM CORNERS.
RECESS COWL SIDES TO CLEAR LONGERON
RUDDER SERVO (SNAKE)
ELEVATOR SERVO (PUSHROD)
THROTTLE SERVO (SNAKE)
SPACER TUBE EACH SIDE
1/16"PLY
SCREW
ELEVATOR PUSHROD.
1/4"DIA. HOLE FOR WING DOWEL
3/8"x3/16" SPRUCE LONGERONS
THROTTLE SNARE
1/8"PLY
1/8"PLY DOUBLER
1/8" SHEET SIDE.
1/2"⅁ SECTION
1/16"CROSSGRAIN SHEET BOTTOM
1/8"SHT
TIP RIB.
BELLCRANK
SOLARTEX HINGES.
SECTION BETWEEN R6 & R7.
1/16"PLY
16 S.W.G "BIKE SPOKE" PUSHROD.
1/16"PAXOLIN HORN.
CLEVIS, THREADED END
MAKE RIBS BY THE SANDWICH METHOD. R1-3/32"SHEET, R2-R11-1/16"SHEET DO NOT CUT SLOTS FOR 1/4"x1/8" SPAR UNTILL AFTER 1/4"SQ. SPAR & L.E. ARE FITTED
1/2"SHEET L.E.
1/16"L.E. SHEET
1/4"SQ. SPRUCE.
1/16"SHEET
1/4"x1/8"SPRUCE.
WING SCREW HOLE.
SERVO BAY
1/16"PLY. TOP & BOTTOM.
1/4"DOWEL
1/16"PLY
1/32"PLY
SUPPORT HORN WITH BALSA SCRAP
WING SECURING SCREW HOLES
1/16"PLY SHEET TOP & BOTTOM BETWEEN R2 & R7.
1/16"SHEET TOP & BOTTOM.
AILERON CUT FROM WING AFTER FITTING BOTTOM T.E. SHEET BUT BEFORE TOP SHEET IS FITTED
BUILD WING UPSIDE DOWN & PLAY SO THAT TAPER IN WING THICKNESS FORMS DIHEDRAL.
CENTRE SECTION FULLY SHEETED BETWEEN R2-R7 EXCEPT TOP OF SERVO HTCH.
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
THIS BAY SHEETED
LOWER
FILL GAP BETWEEN SPARS IN AILERON AREA
1/4"x1/16"CAPPING STRIPS R3-R11.
HOLE FOR SERVO WIRE.
AILERON SERVO
1/16"PLY BASE TO SERVO BOX
BALL & SOCKET
THREADED CONNECTOR.
1/16"PLY BRACE.
SNARE
1/8"SHT TIPS.
1/4"SQ. SPRUCE SPAR
1/16"SHEETING (TOP & BOTTOM L.E.)
1/4"x1/8" BALSA.
1/4"DIA. WING DOWELS.