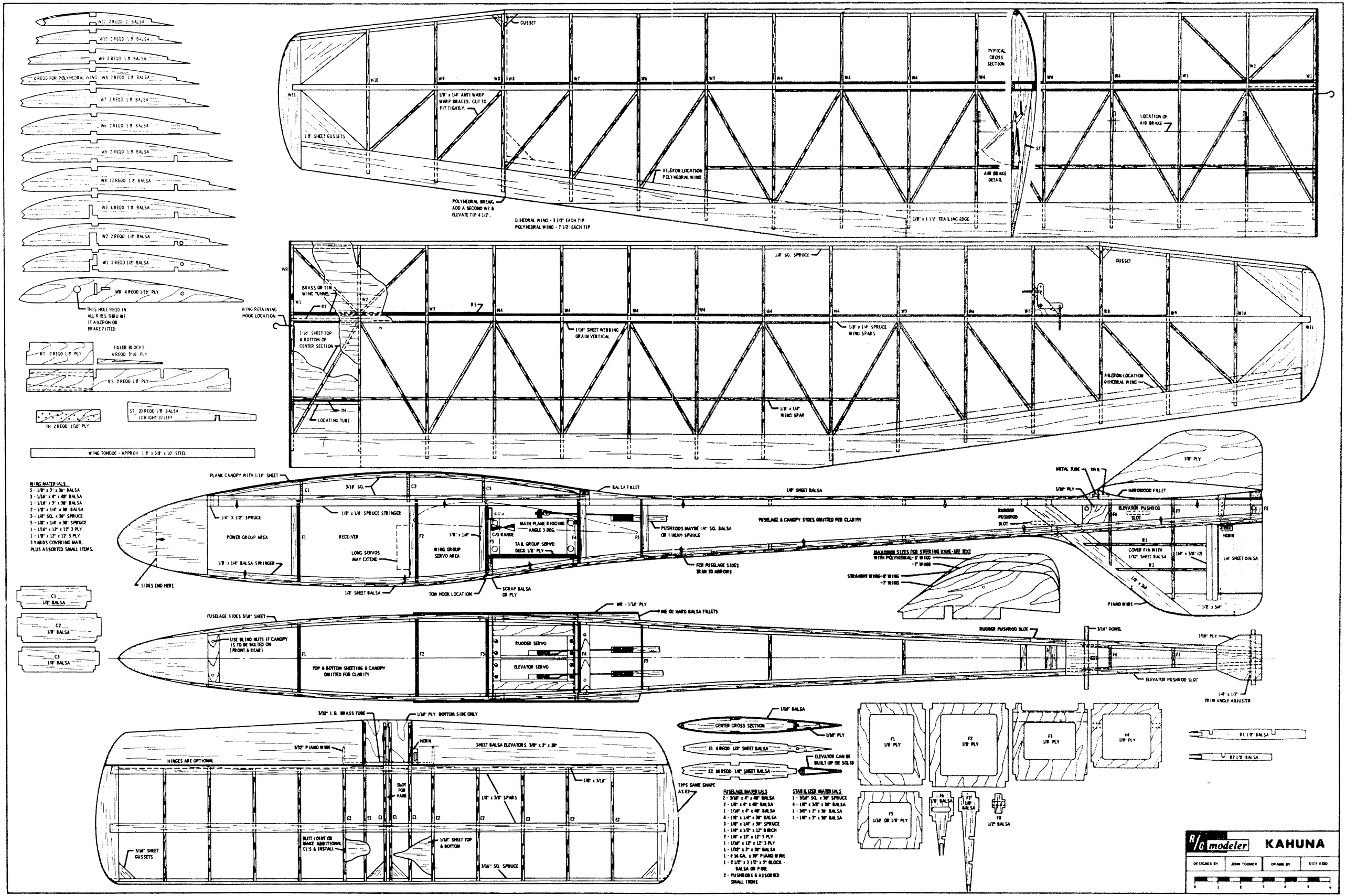
W11 2 REQD 1/8" BALSA
W10 2 REQD 1/8" BALSA
W9 2 REQD 1/8" BALSA
6 REQD FOR POLYHEDRAL WING W8 2 REQD 1/8" BALSA
W7 2 REQD 1/8" BALSA
W6 2 REQD 1/8" BALSA
W5 2 REQD 1/8" BALSA
W4 10 REQD 1/8" BALSA
W3 4 REQD 1/8" BALSA
W2 2 REQD 1/8" BALSA
W1 2 REQD 1/8" BALSA
WR 4 REQD 1/16" PLY
THIS HOLE REQD IN ALL RIBS THRU W7 IF AILERON OR BRAKE FITTED
RT 2 REQD 1/8" PLY
FILLER BLOCKS 4 REQD 3/16" PLY
RS 2 REQD 1/8" PLY
TH 2 REQD 1/16" PLY
ST 20 REQD 1/8" BALSA 10 RIGHT 10 LEFT
WING TONGUE - APPROX. 1/8" x 3/8" x 10" STEEL
GUSSET
TYPICAL CROSS SECTION
1/8" x 1/4" ANTI WARP WARP BRACES, CUT TO FIT TIGHTLY.
1/8" SHEET GUSSETS
LOCATION OF AIR BRAKE
AILERON LOCATION POLYHEDRAL WING
AIR BRAKE DETAIL
POLYHEDRAL BREAK, ADD A SECOND W7 & ELEVATE TIP 4 1/2".
DIHEDRAL WING - 3 1/2" EACH TIP
POLYHEDRAL WING - 7 1/2" EACH TIP
1/8" x 1 1/2" TRAILING EDGE
1/4" SQ. SPRUCE
BRASS OR TIN WING TUNNEL
WING RETAINING HOOK LOCATION
1/16" SHEET TOP & BOTTOM OF CENTER SECTION
1/8" SHEET WEBBING GRAIN VERTICAL
1/8" x 1/4" SPRUCE WING SPARS
AILERON LOCATION DIHEDRAL WING
LOCATING TUBE
1/8" x 1/4" WING SPAR
WING MATERIALS
5 - 1/8" x 3" x 36" BALSA
3 - 1/16" x 4" x 48" BALSA
1 - 1/16" x 3" x 36" BALSA
2 - 1/8" x 1/4" x 36" BALSA
3 - 1/4" SQ. x 36" SPRUCE
5 - 1/8" x 1/4" x 36" SPRUCE
1 - 1/16" x 12" x 12" 3 PLY
1 - 1/8" x 12" x 12" 5 PLY
3 YARDS COVERING MAT'L.
PLUS ASSORTED SMALL ITEMS.
PLANK CANOPY WITH 1/16" SHEET
3/16" SQ.
BALSA FILLET
1/8" SHEET BALSA
1/4" X 1/2" SPRUCE
1/8" x 1/4" SPRUCE STRINGER
POWER GROUP AREA
RECEIVER
LONG SERVOS MAY EXTEND
WING GROUP SERVO AREA
MAIN PLANE HOGGING ANGLE 3 DEG.
C/G RANGE
TAIL GROUP SERVO DECK 1/8" PLY
PUSHRODS MAYBE 1/4" SQ. BALSA OR I BEAM SPRUCE
FUSELAGE & CANOPY SIDES OMITTED FOR CLARITY
RUDDER PUSHROD SLOT
ELEVATOR PUSHROD SLOT
METAL TUBE
HARDWOOD FILLET
1/8" PLY
HORN
COVER FIN WITH 1/32" SHEET BALSA
1/4" SHEET BALSA
PIANO WIRE
1/8" x 1/4" BALSA STRINGER
SIDES END HERE
1/8" SHEET BALSA
TOW HOOK LOCATION
SCRAP BALSA OR PLY
FOR FUSELAGE SIDES TRIM TO ARROWS
MAXIMUM SIZES FOR STABILIZING VANE - SEE TEXT
WITH POLYHEDRAL - 8" WING
- 7" WING
STRAIGHT WING - 8" WING
- 7" WING
C1 1/8" BALSA
C2 1/8" BALSA
C3 1/8" BALSA
FUSELAGE SIDES 3/16" SHEET
WR - 1/16" PLY
PINE OR HARD BALSA FILLETS
USE BLIND NUTS IF CANOPY IS TO BE BOLTED ON (FRONT & REAR)
TOP & BOTTOM SHEETING & CANOPY OMITTED FOR CLARITY
RUDDER SERVO
ELEVATOR SERVO
RUDDER PUSHROD SLOT
3/16" DOWEL
ELEVATOR PUSHROD SLOT
1/4" x 1/2" TRIM ANGLE ADJUSTER
3/32" I.D. BRASS TUBE
1/16" PLY BOTTOM SIDE ONLY
3/32" PIANO WIRE
HORN
SHEET BALSA ELEVATORS 3/8" x 2" x 28"
HINGES ARE OPTIONAL
SLOT FOR VANE
1/8" x 3/16"
1/8" x 3/8" SPARS
BUTT JOINT OR MAKE ADDITIONAL E1'S & INSTALL
1/16" SHEET TOP & BOTTOM
3/16" SHEET GUSSETS
3/16" SQ. SPRUCE
CENTER CROSS SECTION
E1 4 REQD 1/8" SHEET BALSA
E2 16 REQD 1/8" SHEET BALSA
ELEVATOR CAN BE BUILT UP OR SOLID
TIPS SAME SHAPE AS E2
F1 1/8" PLY
F2 1/8" PLY
F3 1/8" PLY
F4 1/8" PLY
F5 1/16" OR 1/8" PLY
F6 1/8" BALSA
F7 1/8" BALSA
F8 1/2" BALSA
R1 1/8" BALSA
R2 1/8" BALSA
FUSELAGE MATERIALS
2 - 3/16" x 4" x 48" BALSA
2 - 1/8" x 4" x 48" BALSA
1 - 1/16" x 4" x 48" BALSA
4 - 1/8" x 1/4" x 36" BALSA
3 - 1/8" x 1/4" x 36" SPRUCE
1 - 1/4" x 1/2" x 12" BIRCH
2 - 1/8" x 12" x 12" 5 PLY
1 - 1/16" x 12" x 12" 3 PLY
1 - 1/32" x 3" x 36" BALSA
1 - # 16 GA. x 36" PIANO WIRE
1 - 2 1/2" x 3 1/2" x 3" BLOCK - BALSA OR PINE
2 - PUSHRODS & ASSORTED SMALL ITEMS
STABILIZER MATERIALS
1 - 3/16" SQ. x 36" SPRUCE
4 - 1/8" x 3/8" x 36" BALSA
1 - 3/8" x 2" x 36" BALSA
1 - 1/8" x 3" x 36" BALSA
R/C modeler
KAHUNA
DESIGNED BY
JOHN TOOMER
DRAWN BY
DICK KOOD