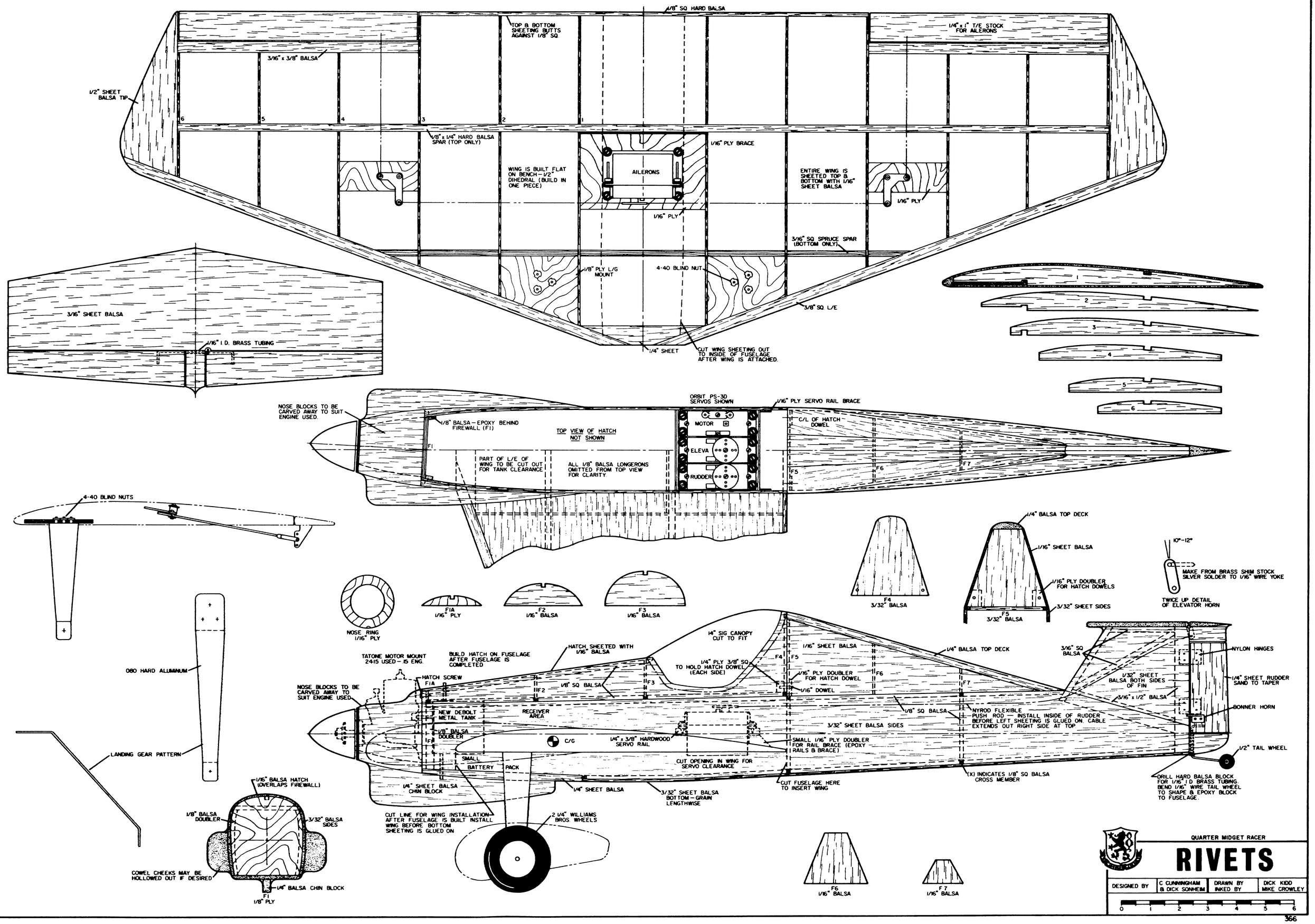
1/8" SQ HARD BALSA
TOP & BOTTOM SHEETING BUTTS AGAINST 1/8" SQ.
1/4" x 1" T/E STOCK FOR AILERONS
3/16" x 3/8" BALSA
1/2" SHEET BALSA TIP
1/8" x 1/4" HARD BALSA SPAR (TOP ONLY)
1/16" PLY BRACE
WING IS BUILT FLAT ON BENCH – 1/2" DIHEDRAL (BUILD IN ONE PIECE)
AILERONS
ENTIRE WING IS SHEETED TOP & BOTTOM WITH 1/16" SHEET BALSA
1/16" PLY
3/16" SQ SPRUCE SPAR (BOTTOM ONLY)
1/8" PLY L/G MOUNT
4-40 BLIND NUT
3/8" SQ L/E
3/16" SHEET BALSA
1/16" I.D. BRASS TUBING
1/4" SHEET
CUT WING SHEETING OUT TO INSIDE OF FUSELAGE AFTER WING IS ATTACHED.
ORBIT PS-3D SERVOS SHOWN
1/16" PLY SERVO RAIL BRACE
NOSE BLOCKS TO BE CARVED AWAY TO SUIT ENGINE USED.
1/8" BALSA – EPOXY BEHIND FIREWALL (F1)
TOP VIEW OF HATCH NOT SHOWN
PART OF L/E OF WING TO BE CUT OUT FOR TANK CLEARANCE
ALL 1/8" BALSA LONGERONS OMITTED FROM TOP VIEW FOR CLARITY.
MOTOR
ELEVA
RUDDER
C/L OF HATCH DOWEL
4-40 BLIND NUTS
1/4" BALSA TOP DECK
1/16" SHEET BALSA
1/16" PLY DOUBLER FOR HATCH DOWELS
3/32" SHEET SIDES
3/32" BALSA
10"-12"
MAKE FROM BRASS SHIM STOCK SILVER SOLDER TO 1/16" WIRE YOKE
TWICE UP DETAIL OF ELEVATOR HORN
NOSE RING 1/16" PLY
F1A 1/16" PLY
F2 1/16" BALSA
F3 1/16" BALSA
14" SIG CANOPY CUT TO FIT
HATCH SHEETED WITH 1/16" BALSA
TATONE MOTOR MOUNT 24-15 USED – .15 ENG.
BUILD HATCH ON FUSELAGE AFTER FUSELAGE IS COMPLETED
1/4" PLY 3/8" SQ TO HOLD HATCH DOWEL (EACH SIDE)
1/16" PLY DOUBLER FOR HATCH DOWEL
1/16" DOWEL
1/8" SQ BALSA
HATCH SCREW
NOSE BLOCKS TO BE CARVED AWAY TO SUIT ENGINE USED.
NEW DEBOLT METAL TANK
RECEIVER AREA
1/8" BALSA DOUBLER
C/G
1/4" x 3/8" HARDWOOD SERVO RAIL
SMALL 1/16" PLY DOUBLER FOR RAIL BRACE (EPOXY RAILS & BRACE)
3/32" SHEET BALSA SIDES
NYROD FLEXIBLE PUSH ROD – INSTALL INSIDE OF RUDDER BEFORE LEFT SHEETING IS GLUED ON. CABLE EXTENDS OUT RIGHT SIDE AT TOP
3/16" SQ BALSA
1/32" SHEET BALSA BOTH SIDES OF FIN
3/16" x 1/2" BALSA
NYLON HINGES
1/4" SHEET RUDDER SAND TO TAPER
BONNER HORN
1/2" TAIL WHEEL
SMALL BATTERY PACK
CUT OPENING IN WING FOR SERVO CLEARANCE
(X) INDICATES 1/8" SQ BALSA CROSS MEMBER
DRILL HARD BALSA BLOCK FOR 1/16" I.D. BRASS TUBING. BEND 1/16" WIRE TAIL WHEEL TO SHAPE & EPOXY BLOCK TO FUSELAGE.
1/4" SHEET BALSA CHIN BLOCK
1/4" SHEET BALSA
3/32" SHEET BALSA BOTTOM – GRAIN LENGTHWISE
CUT FUSELAGE HERE TO INSERT WING
CUT LINE FOR WING INSTALLATION AFTER FUSELAGE IS BUILT INSTALL WING BEFORE BOTTOM SHEETING IS GLUED ON
2 1/4" WILLIAMS BROS. WHEELS
LANDING GEAR PATTERN
.080 HARD ALUMINUM
1/16" BALSA HATCH (OVERLAPS FIREWALL)
1/8" BALSA DOUBLER
3/32" BALSA SIDES
COWEL CHEEKS MAY BE HOLLOWED OUT IF DESIRED
1/4" BALSA CHIN BLOCK
F1 1/8" PLY
F6 1/16" BALSA
F7 1/16" BALSA
QUARTER MIDGET RACER
RIVETS
DESIGNED BY
C CUNNINGHAM & DICK SONNHEIM
DRAWN BY INKED BY
DICK KIDD MIKE CROWLEY
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