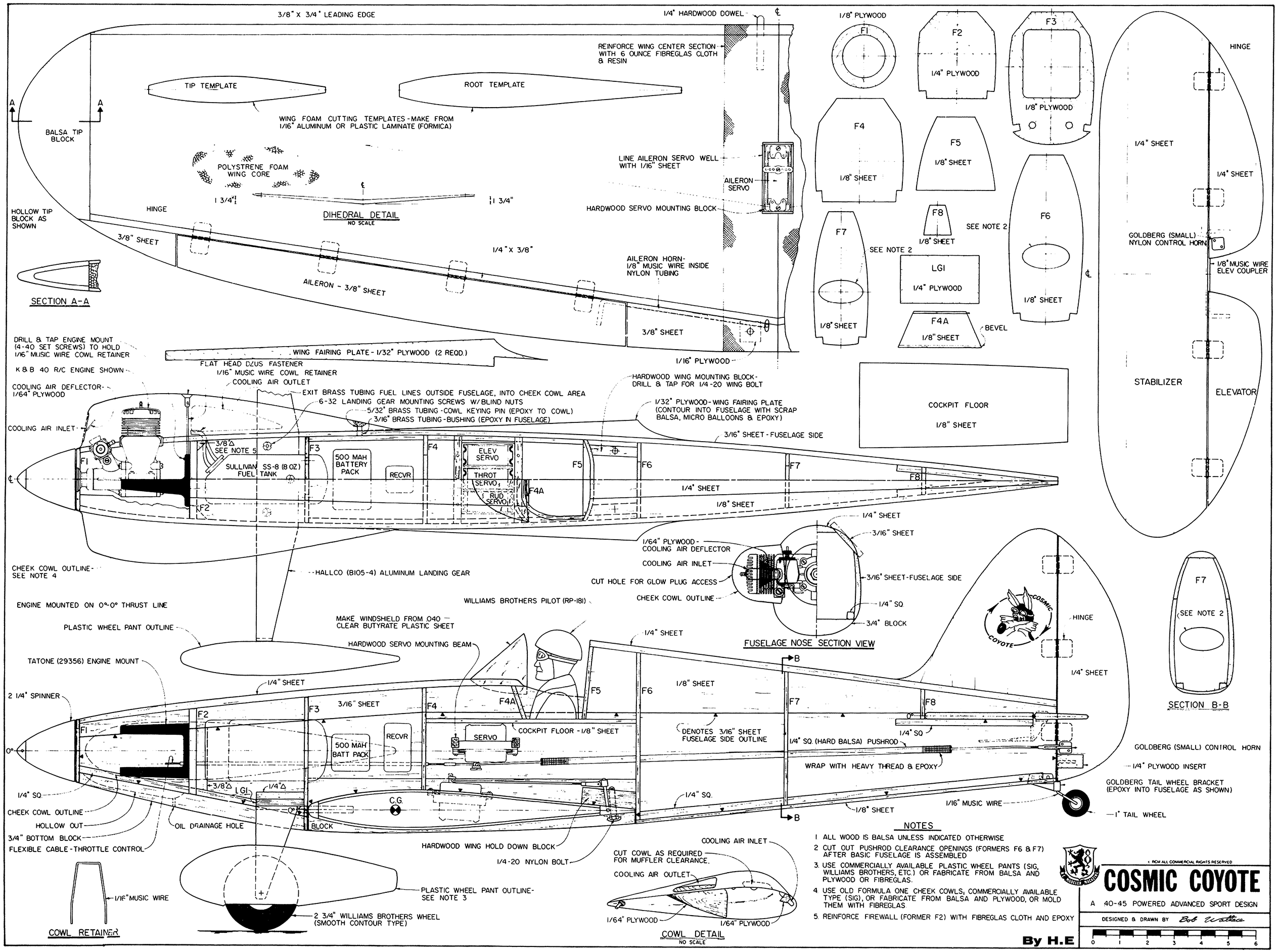
3/8" X 3/4" LEADING EDGE
1/4" HARDWOOD DOWEL
REINFORCE WING CENTER SECTION WITH 6 OUNCE FIBREGLAS CLOTH & RESIN
TIP TEMPLATE
ROOT TEMPLATE
WING FOAM CUTTING TEMPLATES - MAKE FROM 1/16" ALUMINUM OR PLASTIC LAMINATE (FORMICA)
BALSA TIP BLOCK
POLYSTRENE FOAM WING CORE
LINE AILERON SERVO WELL WITH 1/16" SHEET
AILERON SERVO
HARDWOOD SERVO MOUNTING BLOCK
HOLLOW TIP BLOCK AS SHOWN
HINGE
1 3/4"
DIHEDRAL DETAIL
NO SCALE
3/8" SHEET
1/4" X 3/8"
AILERON HORN - 1/8" MUSIC WIRE INSIDE NYLON TUBING
AILERON - 3/8" SHEET
SECTION A-A
3/8" SHEET
1/16" PLYWOOD
WING FAIRING PLATE - 1/32" PLYWOOD (2 REQD.)
1/8" PLYWOOD
F1
F2
1/4" PLYWOOD
F3
1/8" PLYWOOD
F4
1/8" SHEET
F5
1/8" SHEET
F6
1/8" SHEET
F7
1/8" SHEET
SEE NOTE 2
F8
1/8" SHEET
SEE NOTE 2
LGI
1/4" PLYWOOD
F4A
1/8" SHEET
BEVEL
COCKPIT FLOOR
1/8" SHEET
HINGE
1/4" SHEET
1/4" SHEET
GOLDBERG (SMALL) NYLON CONTROL HORN
1/8" MUSIC WIRE ELEV COUPLER
STABILIZER
ELEVATOR
DRILL & TAP ENGINE MOUNT (4-40 SET SCREWS) TO HOLD 1/16" MUSIC WIRE COWL RETAINER
K & B 40 R/C ENGINE SHOWN
COOLING AIR DEFLECTOR - 1/64" PLYWOOD
FLAT HEAD DZUS FASTENER
1/16" MUSIC WIRE COWL RETAINER
COOLING AIR OUTLET
EXIT BRASS TUBING FUEL LINES OUTSIDE FUSELAGE, INTO CHEEK COWL AREA
6-32 LANDING GEAR MOUNTING SCREWS W/ BLIND NUTS
5/32" BRASS TUBING - COWL KEYING PIN (EPOXY TO COWL)
3/16" BRASS TUBING - BUSHING (EPOXY IN FUSELAGE)
HARDWOOD WING MOUNTING BLOCK - DRILL & TAP FOR 1/4-20 WING BOLT
1/32" PLYWOOD - WING FAIRING PLATE (CONTOUR INTO FUSELAGE WITH SCRAP BALSA, MICRO BALLOONS & EPOXY)
COOLING AIR INLET
3/16" SHEET - FUSELAGE SIDE
3/8 SEE NOTE 5
SULLIVAN SS-8 (8 OZ) FUEL TANK
500 MAH BATTERY PACK
RECVR
ELEV SERVO
THROT SERVO
RUD SERVO
F4A
1/4" SHEET
1/8" SHEET
1/4" SHEET
3/16" SHEET
1/64" PLYWOOD - COOLING AIR DEFLECTOR
COOLING AIR INLET
CUT HOLE FOR GLOW PLUG ACCESS
CHEEK COWL OUTLINE
3/16" SHEET - FUSELAGE SIDE
1/4" SQ.
3/4" BLOCK
FUSELAGE NOSE SECTION VIEW
CHEEK COWL OUTLINE - SEE NOTE 4
HALLCO (B105-4) ALUMINUM LANDING GEAR
ENGINE MOUNTED ON 0°-0° THRUST LINE
WILLIAMS BROTHERS PILOT (RP-181)
MAKE WINDSHIELD FROM .040 — CLEAR BUTYRATE PLASTIC SHEET
PLASTIC WHEEL PANT OUTLINE
HARDWOOD SERVO MOUNTING BEAM
1/4" SHEET
COSMIC COYOTE
HINGE
1/4" SHEET
TATONE (29356) ENGINE MOUNT
2 1/4" SPINNER
1/4" SHEET
3/16" SHEET
F4A
1/8" SHEET
F7
F8
SEE NOTE 2
SECTION B-B
500 MAH BATT PACK
RECVR
SERVO
COCKPIT FLOOR - 1/8" SHEET
DENOTES 3/16" SHEET FUSELAGE SIDE OUTLINE
1/4" SQ. (HARD BALSA) PUSHROD
WRAP WITH HEAVY THREAD & EPOXY
GOLDBERG (SMALL) CONTROL HORN
1/4" PLYWOOD INSERT
GOLDBERG TAIL WHEEL BRACKET (EPOXY INTO FUSELAGE AS SHOWN)
1" TAIL WHEEL
1/4" SQ.
CHEEK COWL OUTLINE
HOLLOW OUT
3/4" BOTTOM BLOCK
FLEXIBLE CABLE - THROTTLE CONTROL
OIL DRAINAGE HOLE
3/8 LGI 1/4
C.G.
BLOCK
1/4" SQ.
1/8" SHEET
1/16" MUSIC WIRE
HARDWOOD WING HOLD DOWN BLOCK
1/4-20 NYLON BOLT
1/16" MUSIC WIRE
COWL RETAINER
PLASTIC WHEEL PANT OUTLINE - SEE NOTE 3
2 3/4" WILLIAMS BROTHERS WHEEL (SMOOTH CONTOUR TYPE)
COOLING AIR INLET
CUT COWL AS REQUIRED FOR MUFFLER CLEARANCE.
COOLING AIR OUTLET
1/64" PLYWOOD
1/64" PLYWOOD
COWL DETAIL
NO SCALE
NOTES
1 ALL WOOD IS BALSA UNLESS INDICATED OTHERWISE
2 CUT OUT PUSHROD CLEARANCE OPENINGS (FORMERS F6 & F7) AFTER BASIC FUSELAGE IS ASSEMBLED
3. USE COMMERCIALLY AVAILABLE PLASTIC WHEEL PANTS (SIG, WILLIAMS BROTHERS, ETC.) OR FABRICATE FROM BALSA AND PLYWOOD OR FIBREGLAS.
4. USE OLD FORMULA ONE CHEEK COWLS, COMMERCIALLY AVAILABLE TYPE (SIG), OR FABRICATE FROM BALSA AND PLYWOOD, OR MOLD THEM WITH FIBREGLAS
5. REINFORCE FIREWALL (FORMER F2) WITH FIBREGLAS CLOTH AND EPOXY
By H.E
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COSMIC COYOTE
A 40-45 POWERED ADVANCED SPORT DESIGN
DESIGNED & DRAWN BY Bob Wallace
0 1 2 3 4 5 6