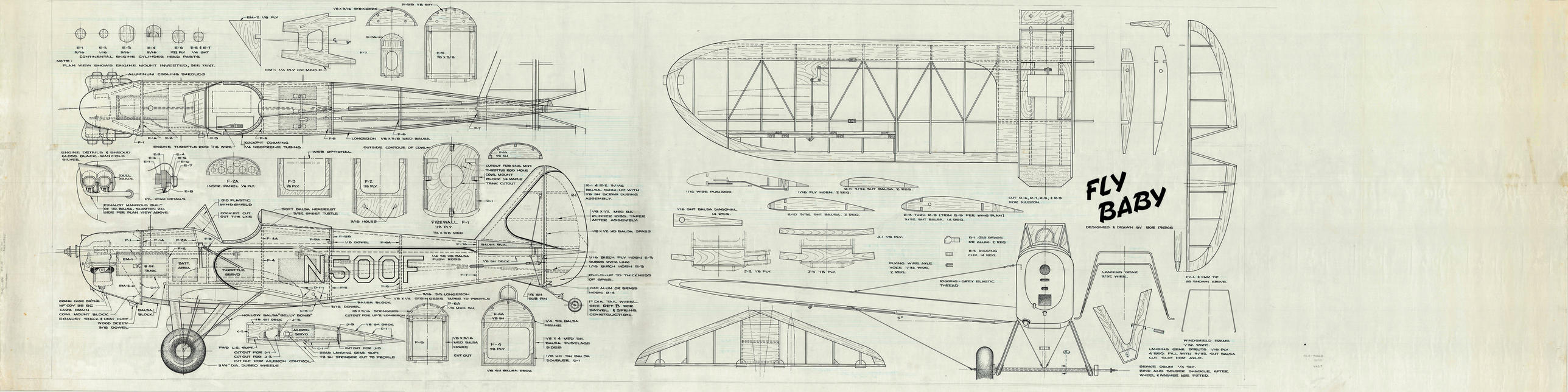
FLY BABY
DESIGNED & DRAWN BY BOB PARKS
N500F
E-1 3/16
E-2 1/16
E-3 3/16
E-4 3/16
E-5 & E-7 1/4 SHT
E-6 1/32 PLY
CONTINENTAL ENGINE CYLINDER HEAD PARTS
NOTE: PLAN VIEW SHOWS ENGINE MOUNT INVERTED, SEE TEXT.
EM-2 1/8 PLY
1/8 x 3/16 STRINGERS
F-9B 1/8 SHT
EM-1 1/4 PLY OR MAPLE
F-7
F-7A
F-9 1/8 x 3/8
ALUMINUM COOLING SHROUDS
ENGINE THROTTLE ROD 1/16 WIRE
COCKPIT COAMING 1/4 NEOPRENE TUBING
LONGERON 1/8 x 3/8 MED BALSA
WEB OPTIONAL
OUTSIDE CONTOUR OF COWL
ENGINE DETAILS & SHROUD GLOSS BLACK, MANIFOLD SILVER.
DULL BLACK
EXHAUST MANIFOLD BUILT OF 1/8 BALSA, SMOTHER EN. INSIDE PER PLAN VIEW ABOVE.
CYL. HEAD DETAILS
F-2A INSTR. PANEL 1/8 PLY.
F-3 1/8 PLY.
F-2 1/8 PLY.
3/16 HOLES
CUTOUT FOR ENG. MNT. THROTTLE ROD HOLE COWL MOUNT BLOCK 1/4 MAPLE TANK CUTOUT
FIREWALL F-1 1/8 PLY. 1/2 x 3/8 MED
F-1A 1/8 SH
D-1
DIO PLASTIC WINDSHIELD
COCKPIT CUT OUT THIS LINE
SOFT BALSA HEADREST 3/32 SHEET TURTLE
1/8 DOWEL
F-5A
F-4A
F-4
F-6A
BALSA BLK.
1/8 SH DECK
1/4 SQ HD BALSA PUSH RODS
1/4 SQ. BALSA FRAME
1/8 x 4 MED SH. BALSA FUSELAGE SIDES
1/8 HD SH BALSA DOUBLER D-1
1/8 SH BALSA DECK
E-2 & E-2 3/16 BALSA. SHIM-UP WITH 1/8 SH SCRAP DURING ASSEMBLY.
1/16 x 1/2 MED BA RUDDER RIBS. TAPER AFTER ASSEMBLY.
1/8 x 1/2 HD BALSA SPARS
1/16 BIRCH PLY HORN E-5
DUBRO KWIK LINK
1/16 BIRCH HORN E-3
BUILD-UP TO THICKNESS OF SPAR.
.020 ALUM OR BRASS HORN E-4
1/2 SH 5/8 PIN
1" DIA. TAIL WHEEL. SEE DET B FOR SWIVEL & SPRING CONSTRUCTION.
B OR TANK
BATT. AREA
THROTTLE SERVO
EM-1
EM-2
D-1
F-1
F-1A
F-2A
F-3
F-5
F-6
F-7
F-8
F-9
CRANK CASE BOTTOM MT. COV. 3/8 EC
CARB DRAIN
COWL MOUNT BLOCK
EXHAUST STACK & HEAT CUFF
WOOD SCREW 3/16 DOWEL
BALSA BLOCK
3/16 DOWEL
3/16 SQ. LONGERON TAPER TO PROFILE
1/8 x 1/4 STRINGERS
F-6A 1/8 MED SH.
HOLLOW BALSA "BELLY BOMB" 1/8 SH DECK
C-5
J-5
1/8 x 3/16 STRINGERS CUTOUT FOR UPSE LONGERON
1/8 SH DECK
AILERON SERVO
C-2
C-1
J-1
J-2
FWD L.G. SUPT.
CUTOUT FOR J-1
CUT OUT FOR J-2
CUT OUT FOR AILERON CONTROL
REAR LANDING GEAR SUPT.
1/8 SH STRINGER CUT TO PROFILE
CUT OUT FOR J-3
3 1/4" DIA. DUBRO WHEELS
F-G
1/8 x 3/16 MED BALSA FRAME
CUT OUT
F-4A 1/8 SH
F-4 1/8 PLY
1/8 SH BALSA DECK
1/16 WIRE PUSHROD
1/16 PLY HORN. 2 REQ.
2-11 3/32 SHT BALSA. 2 REQ.
1/16 SHT BALSA DIAGONAL 14 REQ.
2-10 3/32 SHT BALSA. 2 REQ.
E-5 TRIM E-9 (TRIM E-9 PER WING PLAN) 3/32 SHT BALSA. 14 REQ.
CUT E-6, E-7, E-8, & E-9 FOR AILERON.
J-1 1/8 PLY.
J-2 1/8 PLY.
J-3 1/8 PLY.
B-1 .020 BRASS OR ALUM. 2 REQ
B-2 RIGGING CLIP. 14 REQ.
FLYING WIRE AXLE YOKE. 1/32 WIRE. 2 REQ.
RIGGING - GREY ELASTIC THREAD
LANDING GEAR 3/32 WIRE.
FILL & FAIR TIP AS SHOWN ABOVE.
WINDSHIELD FRAME 1/32 WIRE.
LANDING GEAR STRUTS 1/8 PLY. 4 REQ. FILL WITH 3/32 SHT BALSA CUT SLOT FOR AXLE.
BRAKE DRUM 1/4 SHT. BIND AND SOLDER SHACKLE AFTER WHEEL & WASHER ARE FITTED.