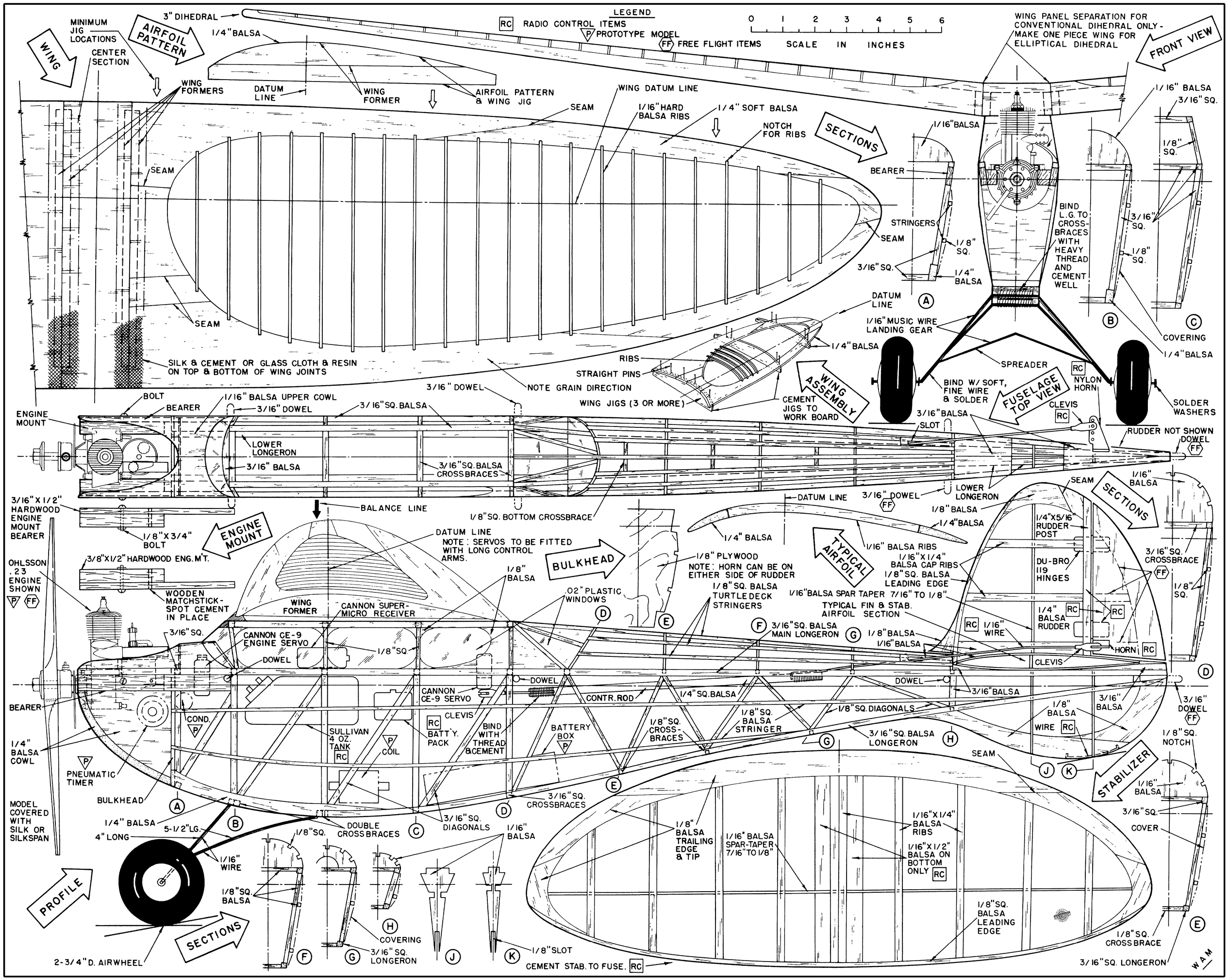
LEGEND
RC RADIO CONTROL ITEMS
P PROTOTYPE MODEL
FF FREE FLIGHT ITEMS
0 1 2 3 4 5 6
SCALE IN INCHES
WING
MINIMUM JIG LOCATIONS
CENTER SECTION
AIRFOIL PATTERN
3" DIHEDRAL
1/4" BALSA
WING FORMERS
DATUM LINE
WING FORMER
AIRFOIL PATTERN & WING JIG
SEAM
WING DATUM LINE
1/16" HARD BALSA RIBS
1/4" SOFT BALSA
NOTCH FOR RIBS
SECTIONS
SEAM
SEAM
SILK & CEMENT OR GLASS CLOTH & RESIN ON TOP & BOTTOM OF WING JOINTS
NOTE GRAIN DIRECTION
3/16" DOWEL
RIBS
STRAIGHT PINS
WING JIGS (3 OR MORE)
DATUM LINE
1/4" BALSA
CEMENT JIGS TO WORK BOARD
WING ASSEMBLY
WING PANEL SEPARATION FOR CONVENTIONAL DIHEDRAL ONLY - MAKE ONE PIECE WING FOR ELLIPTICAL DIHEDRAL
FRONT VIEW
1/16" BALSA
3/16" SQ.
1/16" BALSA
BEARER
STRINGERS
1/8" SQ.
3/16" SQ.
1/4" BALSA
A
BIND L.G. TO CROSS-BRACES WITH HEAVY THREAD AND CEMENT WELL
3/16" SQ.
1/8" SQ.
1/8" SQ.
B
C
COVERING
1/4" BALSA
1/16" MUSIC WIRE LANDING GEAR
SPREADER
BIND W/ SOFT, FINE WIRE & SOLDER
RC
NYLON HORN
SOLDER WASHERS
FUSELAGE TOP VIEW
CLEVIS
RC
3/16" BALSA
SLOT
RUDDER NOT SHOWN
DOWEL
FF
ENGINE MOUNT
BOLT
BEARER
1/16" BALSA UPPER COWL
3/16" DOWEL
3/16" SQ. BALSA
LOWER LONGERON
3/16" BALSA
3/16" SQ. BALSA CROSSBRACES
LOWER LONGERON
3/16" DOWEL
FF
DATUM LINE
1/8" BALSA
1/4" BALSA
SEAM
1/16" BALSA
SECTIONS
3/16" X 1/2" HARDWOOD ENGINE MOUNT BEARER
1/8" X 3/4" BOLT
ENGINE MOUNT
BALANCE LINE
1/8" SQ. BOTTOM CROSSBRACE
DATUM LINE
NOTE: SERVOS TO BE FITTED WITH LONG CONTROL ARMS.
BULKHEAD
1/4" BALSA
TYPICAL AIRFOIL
1/16" BALSA RIBS
1/4" X 5/16" RUDDER POST
3/16" SQ. CROSSBRACE
FF
OHLSSON .23 ENGINE SHOWN
P FF
3/8" X 1/2" HARDWOOD ENG. M'T.
WOODEN MATCHSTICK-SPOT CEMENT IN PLACE
1/8" BALSA
1/8" PLYWOOD
NOTE: HORN CAN BE ON EITHER SIDE OF RUDDER
1/16" X 1/4" BALSA CAP RIBS
1/8" SQ. BALSA LEADING EDGE
DU-BRO 119 HINGES
1/8" SQ.
.02" PLASTIC WINDOWS
1/8" SQ. BALSA TURTLE DECK STRINGERS
1/16" BALSA SPAR TAPER 7/16" TO 1/8"
TYPICAL FIN & STAB. AIRFOIL SECTION
WING FORMER
CANNON SUPER-MICRO RECEIVER
D
E
F
3/16" SQ. BALSA MAIN LONGERON
G
1/8" BALSA
1/16" BALSA
1/4" BALSA RUDDER
RC
RC
RC
1/16" WIRE
HORN
RC
CLEVIS
3/16" SQ.
CANNON CE-9 ENGINE SERVO
1/8" SQ.
DOWEL
DOWEL
DOWEL
3/16" BALSA
CANNON CE-9 SERVO
CONTR. ROD
1/4" SQ. BALSA
D
BEARER
COND.
P
CLEVIS
RC
BATT'Y. PACK
BIND WITH THREAD & CEMENT
BATTERY BOX
P
1/8" SQ. CROSS-BRACES
1/8" SQ. BALSA STRINGER
1/8" SQ. DIAGONALS
1/8" BALSA
3/16" BALSA
3/16" DOWEL
FF
SULLIVAN 4 OZ. TANK
RC
P
COIL
WIRE
RC
3/16" SQ. BALSA LONGERON
H
1/8" SQ. NOTCH
1/4" BALSA COWL
P
PNEUMATIC TIMER
BULKHEAD
A
E
3/16" SQ. CROSSBRACES
D
SEAM
J
K
STABILIZER
1/16" BALSA
3/16" SQ.
COVER
MODEL COVERED WITH SILK OR SILKSPAN
1/4" BALSA
B
5-1/2" LG.
4" LONG
DOUBLE CROSSBRACES
C
3/16" SQ. DIAGONALS
1/16" BALSA
1/8" SQ.
1/16" WIRE
1/8" BALSA TRAILING EDGE & TIP
1/16" BALSA SPAR-TAPER 7/16" TO 1/8"
1/16" X 1/4" BALSA RIBS
1/16" X 1/2" BALSA ON BOTTOM ONLY RC
PROFILE
1/8" SQ. BALSA
SECTIONS
H
COVERING
F
G
3/16" SQ. LONGERON
J
K
1/8" SLOT
CEMENT STAB. TO FUSE. RC
1/8" SQ. BALSA LEADING EDGE
1/8" SQ. CROSS BRACE
E
3/16" SQ. LONGERON
2-3/4" D. AIRWHEEL
W A M