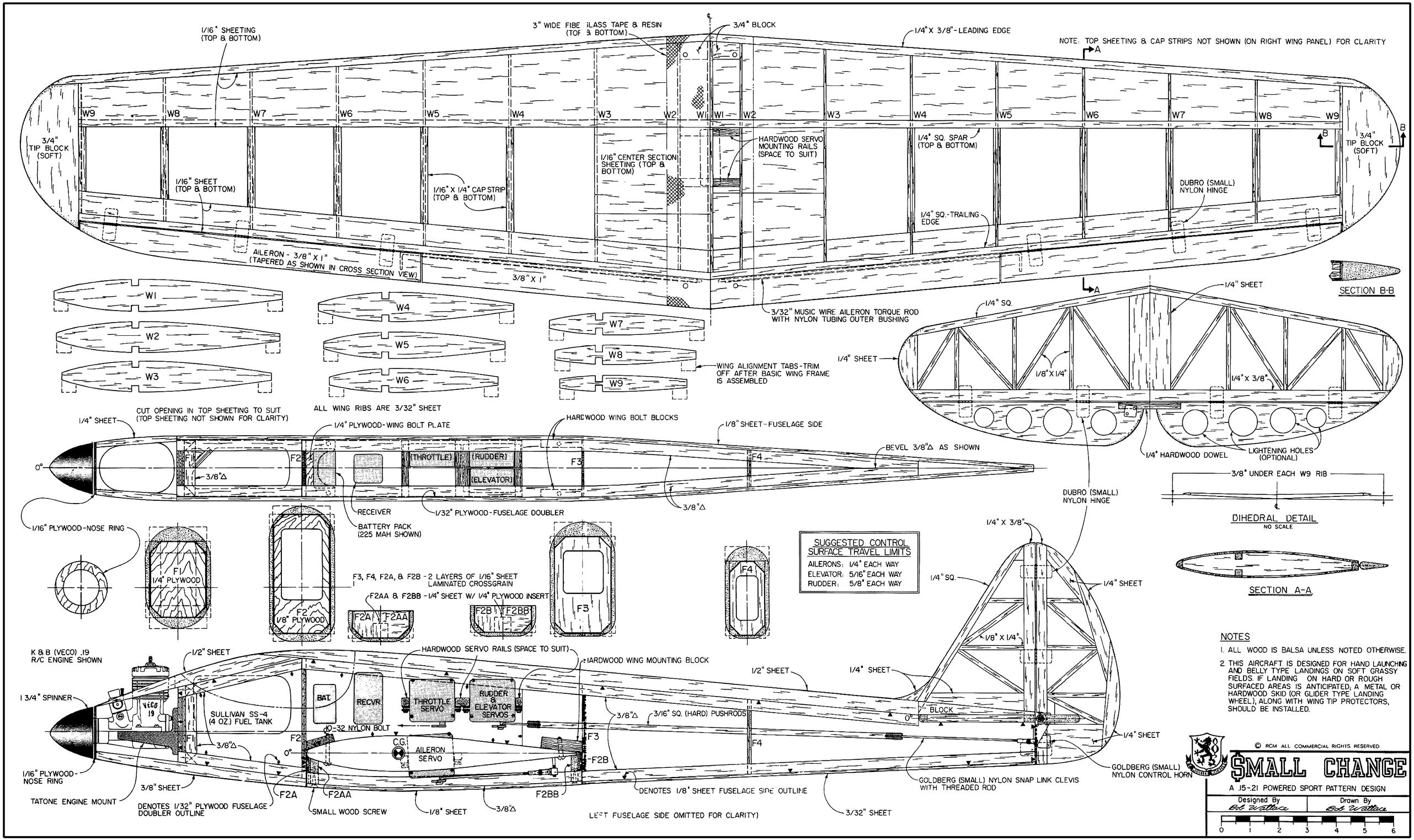
1/16" SHEETING (TOP & BOTTOM)
3" WIDE FIBE GLASS TAPE & RESIN (TOF & BOTTOM)
3/4" BLOCK
1/4" X 3/8" - LEADING EDGE
NOTE: TOP SHEETING & CAP STRIPS NOT SHOWN (ON RIGHT WING PANEL) FOR CLARITY
A
W9
W8
W7
W6
W5
W4
W3
W2
W1
3/4" TIP BLOCK (SOFT)
1/16" SHEET (TOP & BOTTOM)
1/16" X 1/4" CAP STRIP (TOP & BOTTOM)
1/16" CENTER SECTION SHEETING (TOP & BOTTOM)
HARDWOOD SERVO MOUNTING RAILS (SPACE TO SUIT)
1/4" SQ. SPAR (TOP & BOTTOM)
DUBRO (SMALL) NYLON HINGE
1/4" SQ.-TRAILING EDGE
B
AILERON - 3/8" X 1" (TAPERED AS SHOWN IN CROSS SECTION VIEW)
3/8" X 1"
3/32" MUSIC WIRE AILERON TORQUE ROD WITH NYLON TUBING OUTER BUSHING
SECTION B-B
W1
W2
W3
W4
W5
W6
W7
W8
W9
WING ALIGNMENT TABS - TRIM OFF AFTER BASIC WING FRAME IS ASSEMBLED
ALL WING RIBS ARE 3/32" SHEET
1/4" SQ.
1/4" SHEET
1/4" SHEET
1/8" X 1/4"
1/4" X 3/8"
1/4" HARDWOOD DOWEL
LIGHTENING HOLES (OPTIONAL)
CUT OPENING IN TOP SHEETING TO SUIT (TOP SHEETING NOT SHOWN FOR CLARITY)
1/4" SHEET
1/4" PLYWOOD - WING BOLT PLATE
HARDWOOD WING BOLT BLOCKS
1/8" SHEET - FUSELAGE SIDE
BEVEL 3/8"Δ AS SHOWN
0°
F1
F2
F3
F4
3/8"Δ
(THROTTLE)
(RUDDER)
(ELEVATOR)
RECEIVER
BATTERY PACK (225 MAH SHOWN)
1/32" PLYWOOD - FUSELAGE DOUBLER
3/8"Δ
1/16" PLYWOOD - NOSE RING
DUBRO (SMALL) NYLON HINGE
3/8" UNDER EACH W9 RIB
DIHEDRAL DETAIL
NO SCALE
1/4" X 3/8"
SUGGESTED CONTROL SURFACE TRAVEL LIMITS
AILERONS: 1/4" EACH WAY
ELEVATOR: 5/16" EACH WAY
RUDDER: 5/8" EACH WAY
F1 1/4" PLYWOOD
F2 1/8" PLYWOOD
F3, F4, F2A, & F2B - 2 LAYERS OF 1/16" SHEET LAMINATED CROSSGRAIN
F2AA & F2BB - 1/4" SHEET W/ 1/4" PLYWOOD INSERT
F2A
F2AA
F2B
F2BB
F3
F4
1/4" SQ.
1/4" SHEET
SECTION A-A
K & B (VECO) .19 R/C ENGINE SHOWN
1/2" SHEET
HARDWOOD SERVO RAILS (SPACE TO SUIT)
HARDWOOD WING MOUNTING BLOCK
1/2" SHEET
1/4" SHEET
1/8" X 1/4"
1 3/4" SPINNER
VECO 19
SULLIVAN SS-4 (4 OZ.) FUEL TANK
BAT
RECVR
THROTTLE SERVO
RUDDER & ELEVATOR SERVOS
3/8"Δ
3/16" SQ. (HARD) PUSHRODS
BLOCK
0°
10-32 NYLON BOLT
C.G.
AILERON SERVO
F1
F2
F3
F4
F2B
F2A
F2AA
F2BB
1/4" SHEET
1/16" PLYWOOD - NOSE RING
3/8" SHEET
TATONE ENGINE MOUNT
DENOTES 1/32" PLYWOOD FUSELAGE DOUBLER OUTLINE
SMALL WOOD SCREW
1/8" SHEET
3/8"Δ
DENOTES 1/8" SHEET FUSELAGE SIDE OUTLINE
LEFT FUSELAGE SIDE OMITTED FOR CLARITY)
3/32" SHEET
GOLDBERG (SMALL) NYLON SNAP LINK CLEVIS WITH THREADED ROD
GOLDBERG (SMALL) NYLON CONTROL HORN
NOTES
1. ALL WOOD IS BALSA UNLESS NOTED OTHERWISE.
2. THIS AIRCRAFT IS DESIGNED FOR HAND LAUNCHING AND BELLY TYPE LANDINGS ON SOFT GRASSY FIELDS. IF LANDING ON HARD OR ROUGH SURFACED AREAS IS ANTICIPATED; A METAL OR HARDWOOD SKID (OR GLIDER TYPE LANDING WHEEL), ALONG WITH WING TIP PROTECTORS, SHOULD BE INSTALLED.
© RCM ALL COMMERCIAL RIGHTS RESERVED
SMALL CHANGE
A .15-.21 POWERED SPORT PATTERN DESIGN
Designed By Bob Wallace
Drawn By Bob Wallace
0 1 2 3 4 5 6