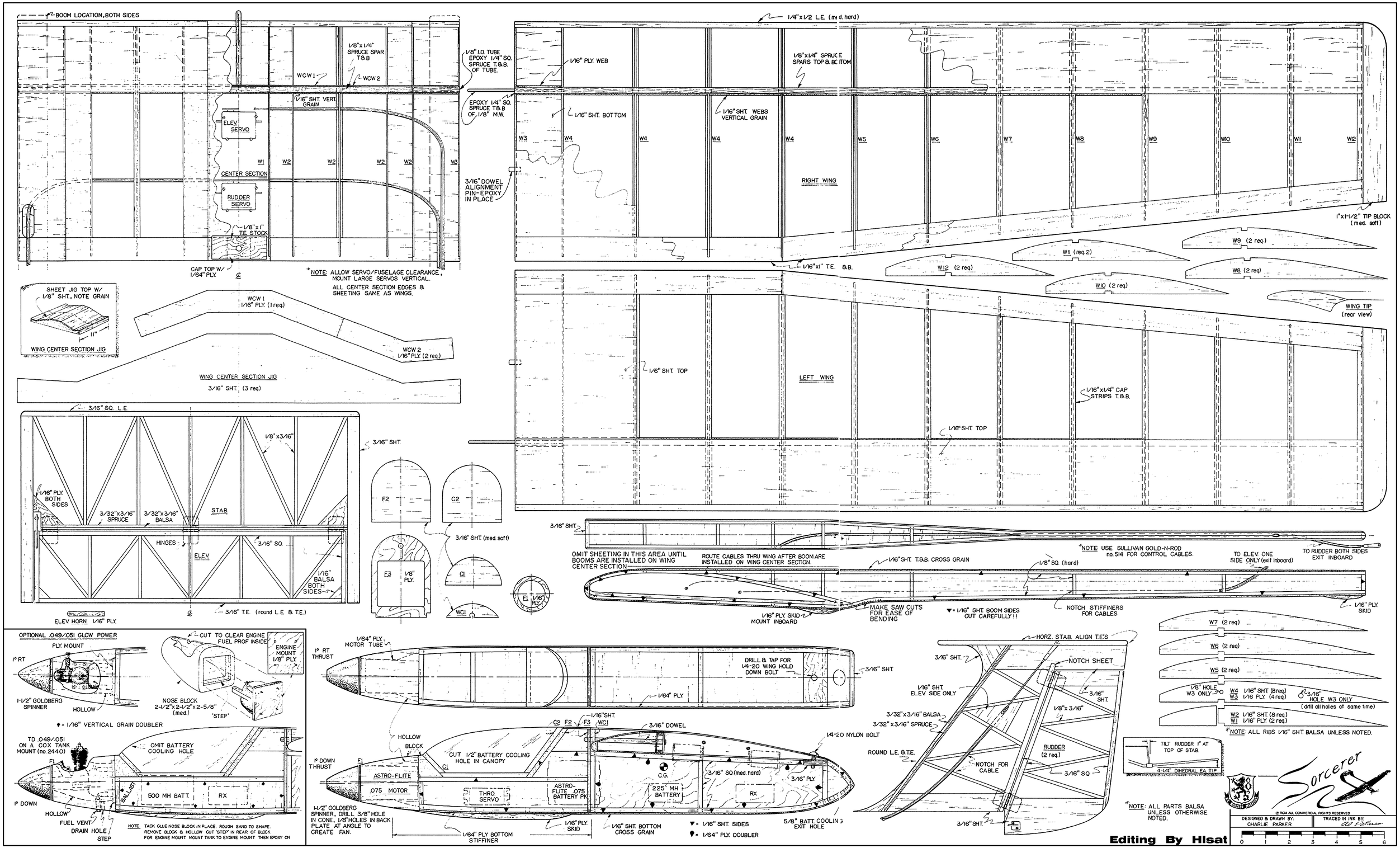
BOOM LOCATION, BOTH SIDES
1/8" x 1/4" SPRUCE SPAR T.&B.
WCW 1
WCW 2
1/16" SHT. VERT. GRAIN
ELEV SERVO
W1
W2
W3
CENTER SECTION
RUDDER SERVO
1/8" x 1" T.E. STOCK
CAP TOP W/ 1/64" PLY.
℄
*NOTE: ALLOW SERVO/FUSELAGE CLEARANCE, MOUNT LARGE SERVOS VERTICAL.
ALL CENTER SECTION EDGES & SHEETING SAME AS WINGS.
1/8" I.D. TUBE EPOXY 1/4" SQ. SPRUCE T.&B. OF TUBE.
EPOXY 1/4" SQ. SPRUCE T.&B OF 1/8" M.W.
3/16" DOWEL ALIGNMENT PIN-EPOXY IN PLACE
1/4" x 1/2 L.E. (med. hard)
1/16" PLY. WEB
1/8" x 1/4" SPRUCE SPARS TOP & BOTTOM
1/16" SHT. BOTTOM
1/16" SHT. WEBS VERTICAL GRAIN
W4
W5
W6
W7
W8
W9
W10
W11
W12
RIGHT WING
1" x 1-1/2" TIP BLOCK (med. soft)
1/16" x 1" T.E. &B.
W9 (2 req.)
W11 (req. 2)
W12 (2 req)
W8 (2 req)
W10 (2 req)
WING TIP (rear view)
SHEET JIG TOP W/ 1/8" SHT., NOTE GRAIN
11"
WING CENTER SECTION JIG
WCW 1 1/16" PLY. (1 req)
WCW 2 1/16" PLY. (2 req.)
WING CENTER SECTION JIG
3/16" SHT. (3 req)
1/16" SHT. TOP
LEFT WING
1/16" x 1/4" CAP STRIPS T.&B.
1/16" SHT. TOP
3/16" SQ. L.E.
1/8" x 3/16"
3/16" SHT.
1/16" PLY. BOTH SIDES
3/32" x 3/16" SPRUCE
3/32" x 3/16" BALSA
STAB.
HINGES
ELEV.
3/16" SQ.
1/16" BALSA BOTH SIDES
ELEV. HORN 1/16" PLY.
3/16" T.E. (round L.E. & T.E.)
F2
C2
3/16" SHT. (med. soft)
F3
1/8" PLY.
C1
WC1
F1
1/16" PLY.
3/16" SHT.
OMIT SHEETING IN THIS AREA UNTIL BOOMS ARE INSTALLED ON WING CENTER SECTION
ROUTE CABLES THRU WING AFTER BOOM ARE INSTALLED ON WING CENTER SECTION.
1/16" SHT. T.&B. CROSS GRAIN
1/8" SQ. (hard)
*NOTE: USE SULLIVAN GOLD-N-ROD no. 514 FOR CONTROL CABLES.
TO ELEV. ONE SIDE ONLY (exit inboard)
TO RUDDER BOTH SIDES EXIT INBOARD
1/16" PLY. SKID MOUNT INBOARD
MAKE SAW CUTS FOR EASE OF BENDING
▼ = 1/16" SHT BOOM SIDES CUT CAREFULLY!!
NOTCH STIFFINERS FOR CABLES
1/16" PLY. SKID
OPTIONAL .049/.051 GLOW POWER
PLY. MOUNT
1° RT
1-1/2" GOLDBERG SPINNER
HOLLOW
CUT TO CLEAR ENGINE FUEL PROF INSIDE
ENGINE MOUNT 1/8" PLY.
NOSE BLOCK 2-1/2" x 2-1/2" x 2-5/8" (med.)
'STEP'
♥ = 1/16" VERTICAL GRAIN DOUBLER
TO .049/.051 ON A COX TANK MOUNT (no. 2440)
OMIT BATTERY COOLING HOLE
F1
BALLAST
500 MH BATT.
RX
1° DOWN
HOLLOW
FUEL VENT
DRAIN HOLE
STEP
NOTE. TACK GLUE NOSE BLOCK IN PLACE. ROUGH SAND TO SHAPE. REMOVE BLOCK & HOLLOW OUT 'STEP' IN REAR OF BLOCK FOR ENGINE MOUNT. MOUNT TANK TO ENGINE MOUNT THEN EPOXY ON
1/64" PLY. MOTOR TUBE
1° RT THRUST
DRILL & TAP FOR 1/4-20 WING HOLD DOWN BOLT
3/16" SHT.
1/64" PLY.
HOLLOW BLOCK
C2 F2 F3 WC1
1/16" SHT.
3/16" DOWEL
1/4-20 NYLON BOLT
CUT 1/2" BATTERY COOLING HOLE IN CANOPY
C1
1° DOWN THRUST
F1
ASTRO-FLITE .075 MOTOR
THRO. SERVO
ASTRO-FLITE .075 BATTERY PK
C.G.
225 MH BATTERY
3/16" SQ. (med. hard)
3/16" PLY.
RX
1-1/2" GOLDBERG SPINNER, DRILL 3/8" HOLE IN CONE, 1/8" HOLES IN BACK PLATE AT ANGLE TO CREATE FAN.
1/64" PLY BOTTOM STIFFINER
1/16" PLY. SKID
1/16" SHT. BOTTOM CROSS GRAIN
▼ = 1/16" SHT. SIDES
♥ = 1/64" PLY. DOUBLER
5/8" BATT. COOLING EXIT HOLE
HORZ. STAB. ALIGN T.E.'S
3/16" SHT.
NOTCH SHEET
1/16" SHT. ELEV. SIDE ONLY
3/16" SHT.
1/8" x 3/16"
3/32" x 3/16" BALSA
3/32" x 3/16" SPRUCE
RUDDER (2 req.)
ROUND L.E. & T.E.
NOTCH FOR CABLE
3/16" SQ.
3/16" SHT.
W7 (2 req)
W6 (2 req)
W5 (2 req)
1/8" HOLE W3 ONLY
W4 1/16" SHT. (8 req.)
W3 1/16 PLY. (4 req)
3/16" HOLE W3 ONLY
(drill all holes at same time)
W2 1/16" SHT. (8 req.)
W1 1/16" PLY. (2 req)
*NOTE: ALL RIBS 1/16" SHT. BALSA UNLESS NOTED.
TILT RUDDER 1" AT TOP OF STAB.
4-1/4" DIHEDRAL EA. TIP
*NOTE: ALL PARTS BALSA UNLESS OTHERWISE NOTED.
Sorcerer
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