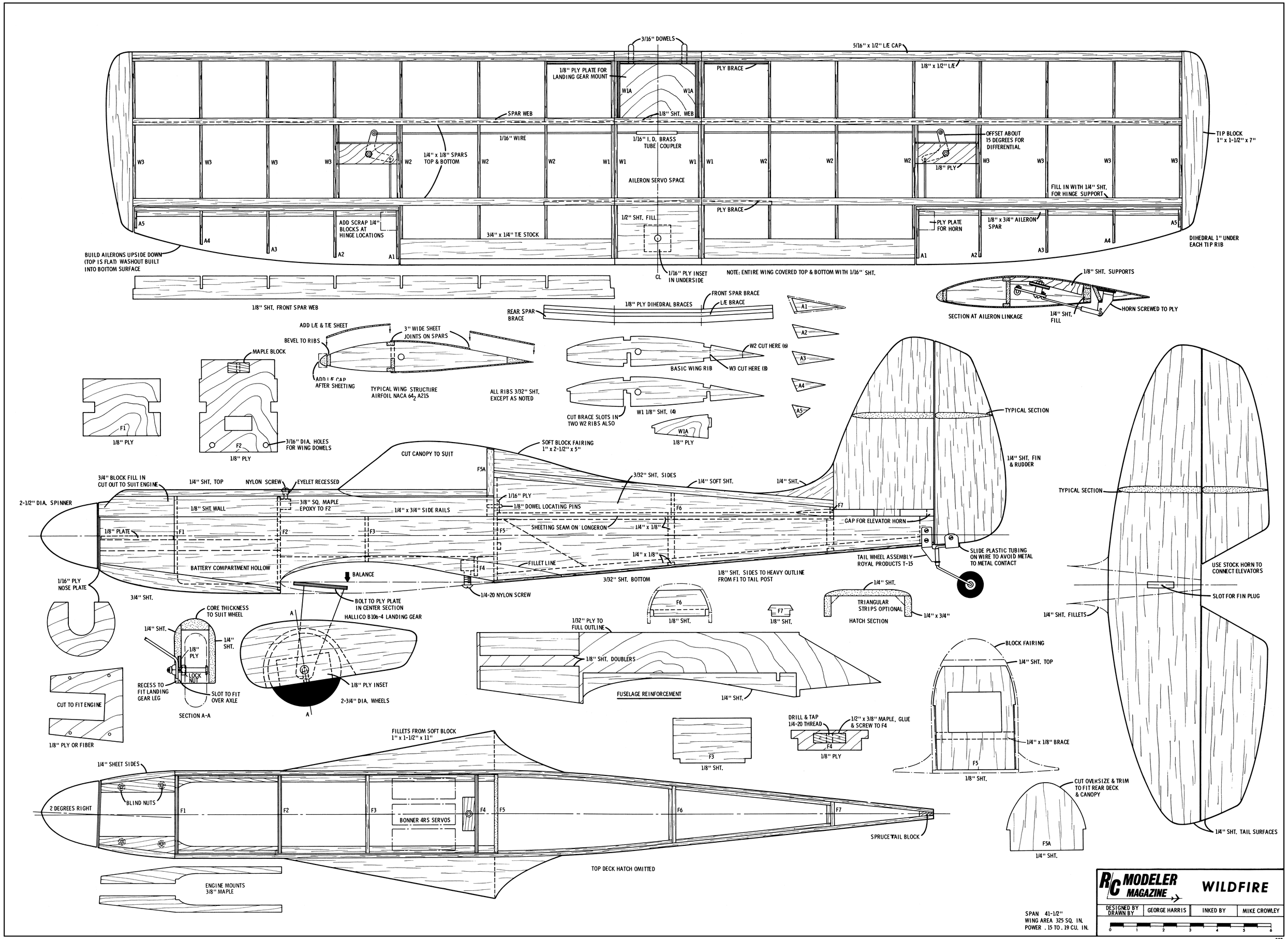
3/16" DOWELS
5/16" x 1/2" L/E CAP
1/8" PLY PLATE FOR LANDING GEAR MOUNT
PLY BRACE
1/8" x 1/2" L/E
W1A
W1A
SPAR WEB
1/8" SHT. WEB
TIP BLOCK 1" x 1-1/2" x 7"
OFFSET ABOUT 15 DEGREES FOR DIFFERENTIAL
1/16" WIRE
1/16" I. D. BRASS TUBE COUPLER
1/4" x 1/8" SPARS TOP & BOTTOM
W3 W3 W3 W3 W2 W2 W2 W1 W1 W1 W1 W2 W2 W2 W3 W3 W3 W3
1/8" PLY
AILERON SERVO SPACE
FILL IN WITH 1/4" SHT. FOR HINGE SUPPORT
PLY BRACE
A5 A4 A3 A2 A1
ADD SCRAP 1/4" BLOCKS AT HINGE LOCATIONS
1/2" SHT. FILL
3/4" x 1/4" T/E STOCK
PLY PLATE FOR HORN
1/8" x 3/4" AILERON SPAR
A1 A2 A3 A4 A5
DIHEDRAL 1" UNDER EACH TIP RIB
BUILD AILERONS UPSIDE DOWN (TOP IS FLAT) WASHOUT BUILT INTO BOTTOM SURFACE
CL
1/16" PLY INSET IN UNDERSIDE
NOTE: ENTIRE WING COVERED TOP & BOTTOM WITH 1/16" SHT.
1/8" SHT. FRONT SPAR WEB
FRONT SPAR BRACE
1/8" PLY DIHEDRAL BRACES
L/E BRACE
REAR SPAR BRACE
1/8" SHT. SUPPORTS
SECTION AT AILERON LINKAGE
1/4" SHT. FILL
HORN SCREWED TO PLY
ADD L/E & T/E SHEET
3" WIDE SHEET JOINTS ON SPARS
BEVEL TO RIBS
ADD L/E CAP AFTER SHEETING
TYPICAL WING STRUCTURE AIRFOIL NACA 64$_2$ A215
ALL RIBS 3/32" SHT. EXCEPT AS NOTED
W2 CUT HERE (6)
BASIC WING RIB
W3 CUT HERE (8)
A1 A2 A3 A4 A5
CUT BRACE SLOTS IN TWO W2 RIBS ALSO
W1 1/8" SHT. (4)
W1A
1/8" PLY
MAPLE BLOCK
F1
1/8" PLY
F2
3/16" DIA. HOLES FOR WING DOWELS
1/8" PLY
TYPICAL SECTION
1/4" SHT. FIN & RUDDER
CUT CANOPY TO SUIT
SOFT BLOCK FAIRING 1" x 2-1/2" x 5"
F5A
3/32" SHT. SIDES
1/4" SOFT SHT.
1/4" SHT.
3/4" BLOCK FILL IN CUT OUT TO SUIT ENGINE
1/4" SHT. TOP
NYLON SCREW
EYELET RECESSED
2-1/2" DIA. SPINNER
1/8" SHT. WALL
3/8" SQ. MAPLE EPOXY TO F2
1/4" x 3/4" SIDE RAILS
1/16" PLY
1/8" DOWEL LOCATING PINS
F6
F7
GAP FOR ELEVATOR HORN
1/8" PLATE
F1
F2
F3
F5
SHEETING SEAM ON LONGERON
1/4" x 1/8"
1/4" x 1/8"
SLIDE PLASTIC TUBING ON WIRE TO AVOID METAL TO METAL CONTACT
TAIL WHEEL ASSEMBLY ROYAL PRODUCTS T-15
BATTERY COMPARTMENT HOLLOW
FILLET LINE
F4
1/16" PLY NOSE PLATE
BALANCE
3/32" SHT. BOTTOM
1/8" SHT. SIDES TO HEAVY OUTLINE FROM F1 TO TAIL POST
1/4-20 NYLON SCREW
3/4" SHT.
BOLT TO PLY PLATE IN CENTER SECTION
HALLICO B106-4 LANDING GEAR
F6
1/8" SHT.
F7
1/8" SHT.
1/4" SHT.
TRIANGULAR STRIPS OPTIONAL
1/4" x 3/4"
HATCH SECTION
TYPICAL SECTION
USE STOCK HORN TO CONNECT ELEVATORS
SLOT FOR FIN PLUG
1/4" SHT. FILLETS
CORE THICKNESS TO SUIT WHEEL
1/4" SHT.
1/4" SHT.
1/8" PLY
LOCK NUT
RECESS TO FIT LANDING GEAR LEG
SLOT TO FIT OVER AXLE
SECTION A-A
A
A
1/8" PLY INSET
2-3/4" DIA. WHEELS
1/32" PLY TO FULL OUTLINE
1/8" SHT. DOUBLERS
FUSELAGE REINFORCEMENT
1/4" SHT.
BLOCK FAIRING
1/4" SHT. TOP
CUT TO FIT ENGINE
1/8" PLY OR FIBER
DRILL & TAP 1/4-20 THREAD
1/2" x 3/8" MAPLE, GLUE & SCREW TO F4
F4
1/8" PLY
F3
1/8" SHT.
1/4" x 1/8" BRACE
F5
1/8" SHT.
FILLETS FROM SOFT BLOCK 1" x 1-1/2" x 11"
1/4" SHEET SIDES
BLIND NUTS
2 DEGREES RIGHT
F1
F2
F3
BONNER 4RS SERVOS
F4
F5
F6
F7
SPRUCE TAIL BLOCK
CUT OVERSIZE & TRIM TO FIT REAR DECK & CANOPY
F5A
1/4" SHT.
1/4" SHT. TAIL SURFACES
TOP DECK HATCH OMITTED
ENGINE MOUNTS 3/8" MAPLE
RC MODELER MAGAZINE
WILDFIRE
DESIGNED BY
DRAWN BY
GEORGE HARRIS
INKED BY
MIKE CROWLEY
0 1 2 3 4 5 6
SPAN 41-1/2"
WING AREA 325 SQ. IN.
POWER .15 TO .19 CU. IN.