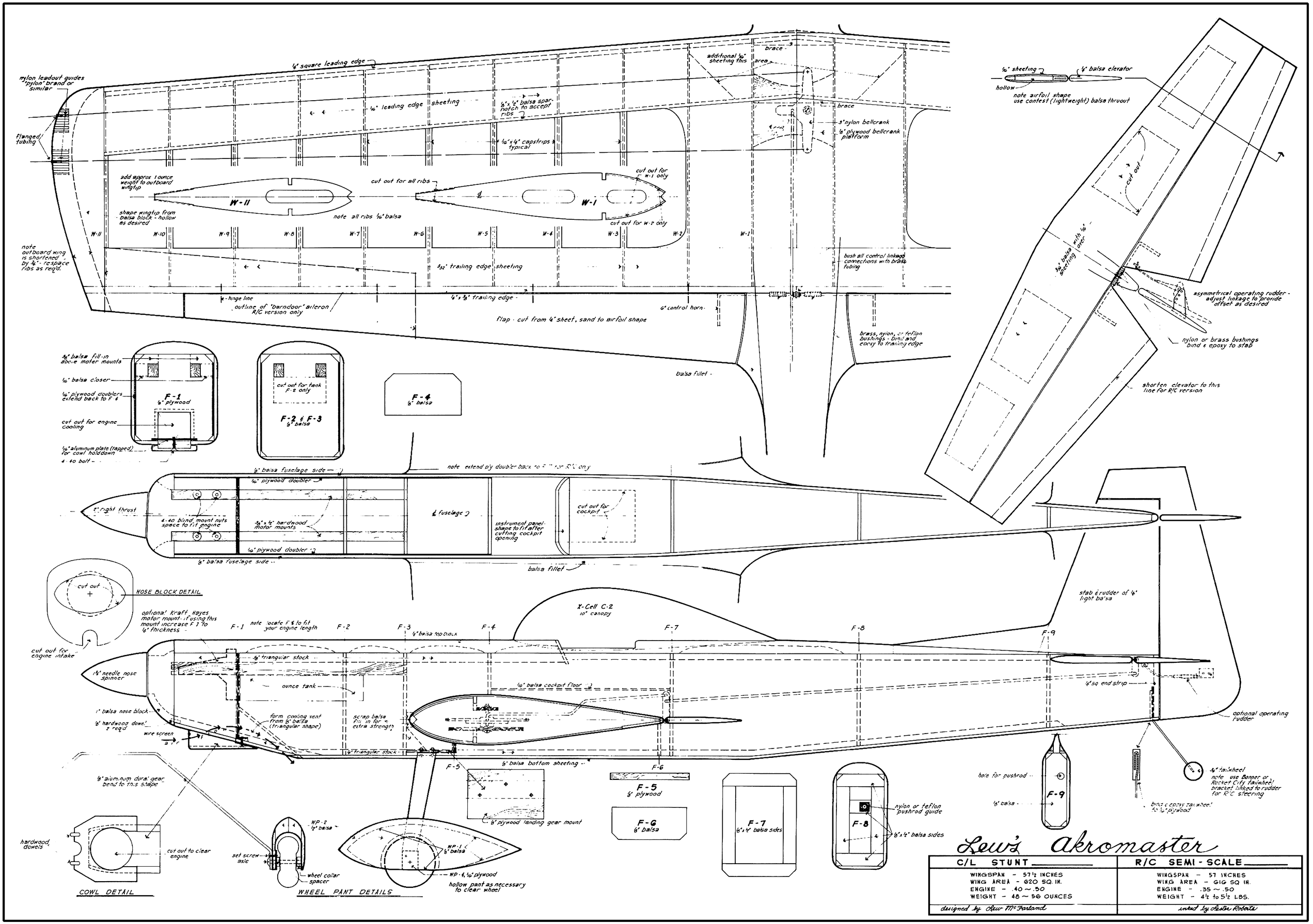
1/4" square leading edge
nylon leadout guides "nylon" brand or similar
flanged tubing
1/16" leading edge sheeting
1/2" x 1/8" balsa spar - notch to accept ribs
1/16" x 1/4" capstrips typical
additional 1/16" sheeting this area
brace
brace
3" nylon bellcrank
1/8" plywood bellcrank platform
add approx 1 ounce weight to outboard wingtip
cut out for all ribs
cut out for W-1 only
W-11
W-1
shape wingtip from balsa block - hollow as desired
note all ribs 1/16" balsa
cut out for W-2 only
W-11
W-10
W-9
W-8
W-7
W-6
W-5
W-4
W-3
W-2
W-1
note outboard wing is shortened by 3/4" - respace ribs as reqd.
3/32" trailing edge sheeting
bush all control linkage connections with brass tubing
hinge line
outline of "barndoor" aileron R/C version only
1/4" x 3/8" trailing edge
6" control horn
flap - cut from 1/4" sheet, sand to airfoil shape
brass, nylon, or teflon bushings - bind and copy to trailing edge
balsa fillet
1/16" sheeting
1/8" balsa elevator
hollow
note airfoil shape use contest (lightweight) balsa thruout
cut out
3/8" balsa with 1/16" sheeting later
asymmetrical operating rudder - adjust linkage to provide offset as desired
nylon or brass bushings bind & epoxy to stab
shorten elevator to this line for R/C version
3/8" balsa fill-in above motor mounts
1/16" balsa closer
1/16" plywood doublers extend back to F-4
F-1
1/8" plywood
cut out for engine cooling
1/16" aluminum plate (tapped) for cowl holddown
4-40 bolt
cut out for tank F-2 only
F-2 & F-3
1/8" balsa
F-4
1/8" balsa
1/8" balsa fuselage side
note extend ply doubler back to F-7 for R/C only
1/16" plywood doubler
2° right thrust
4-40 blind mount nuts space to fit engine
3/8" x 1/4" hardwood motor mounts
fuselage
instrument panel shape to fit after cutting cockpit opening
cut out for cockpit
1/16" plywood doubler
1/8" balsa fuselage side
balsa fillet
cut out
NOSE BLOCK DETAIL
optional Kraft Hayes motor mount - if using this mount increase F-1 to 1/4" thickness
cut out for engine intake
note locate F-4 to fit your engine length
F-1
F-2
F-3
1/4" balsa top block
F-4
X-Cell C-2
10" canopy
F-7
F-8
F-9
stab & rudder of 1/4" light balsa
1/8" triangular stock
1/8" needle nose spinner
ounce tank
1/16" balsa cockpit floor
1/4" sq end strip
1" balsa nose block
1/8" hardwood dowel - 2 reqd
wire screen
form cooling vent from 1/8" balsa (triangular shape)
scrap balsa fill in for extra strength
1/8" triangular stock
1/8" balsa bottom sheeting
optional operating rudder
1/8" aluminum dura. gear bend to this shape
F-5
F-6
F-5
1/8" plywood
1/8" plywood landing gear mount
F-6
1/8" balsa
F-7
1/8" x 1/2" balsa sides
F-8
nylon or teflon pushrod guide
1/8" x 1/2" balsa sides
hole for pushrod
1/8" balsa
F-9
1/4" tailwheel note use Banner or Rocket City tailwheel bracket linked to rudder for R/C steering
bind & copy tailwheel to 1/16" plywood
hardwood dowels
cut out to clear engine
COWL DETAIL
set screw axle
WP-2 1/8" balsa
wheel collar spacer
WP-1 1/8" balsa
WP-1, 1/16" plywood
hollow pant as necessary to clear wheel
WHEEL PANT DETAILS
Lew's Akromaster
C/L STUNT
WINGSPAN - 57 1/2 INCHES
WING AREA - 620 SQ. IN.
ENGINE - .40 ~ .50
WEIGHT - 48 ~ 56 OUNCES
designed by Lew McFarland
R/C SEMI-SCALE
WINGSPAN - 57 INCHES
WING AREA - 616 SQ IN.
ENGINE - .35 ~ .50
WEIGHT - 4 1/2 to 5 1/2 LBS.
inked by Chester Roberts