AERONCA

C-3 C-100

FOR FOUR FUNCTION RADIO & .29 .40 ENGINES
DESIGNED & DRAWN
MODEL SUPPLIES 3
LONDON SE4

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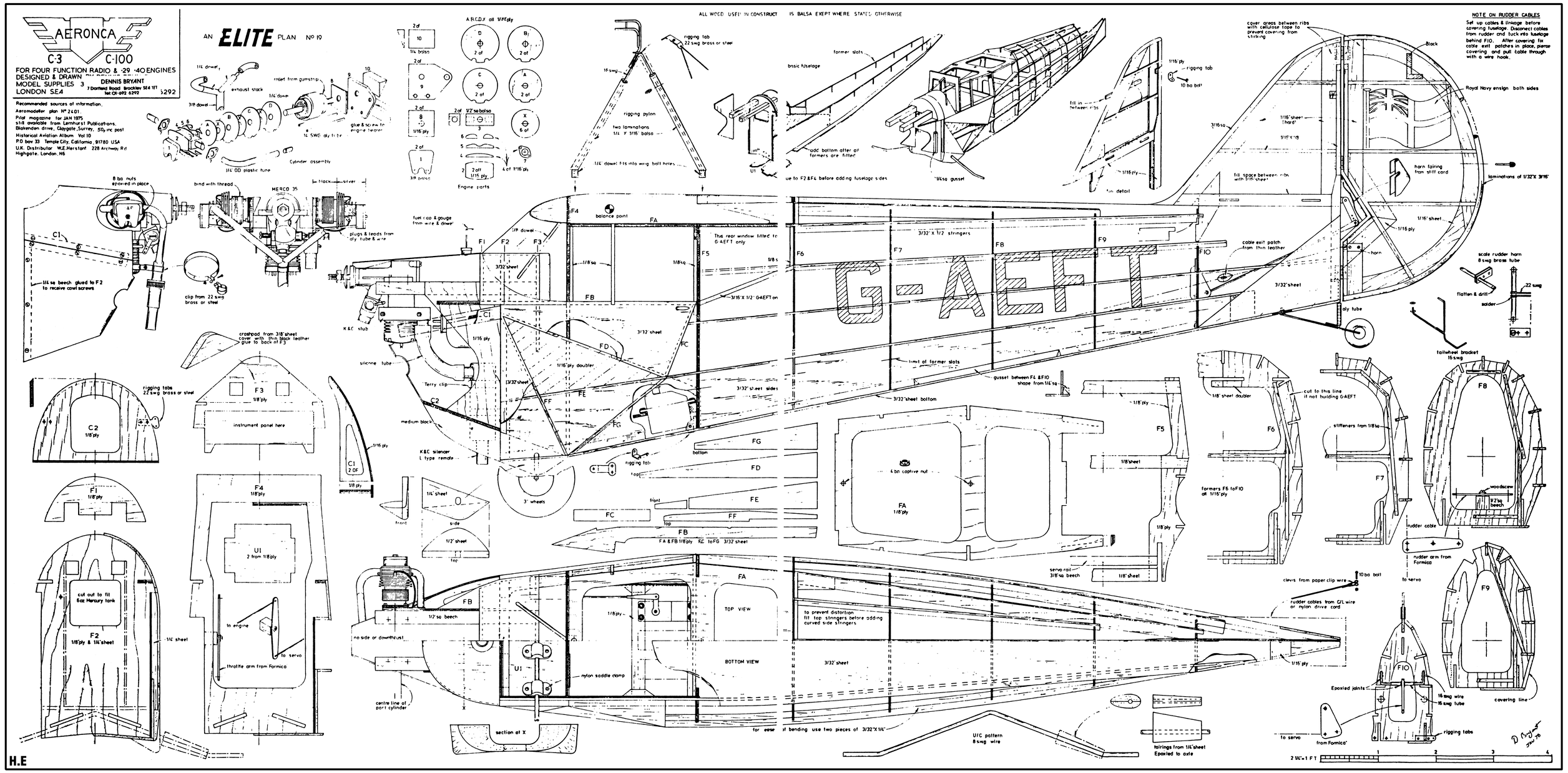
AN ELITE PLAN Nº 19

ALL WOOD USED IN CONSTRUCTION IS BALSA EXEPT WHERE STATED OTHERWISE

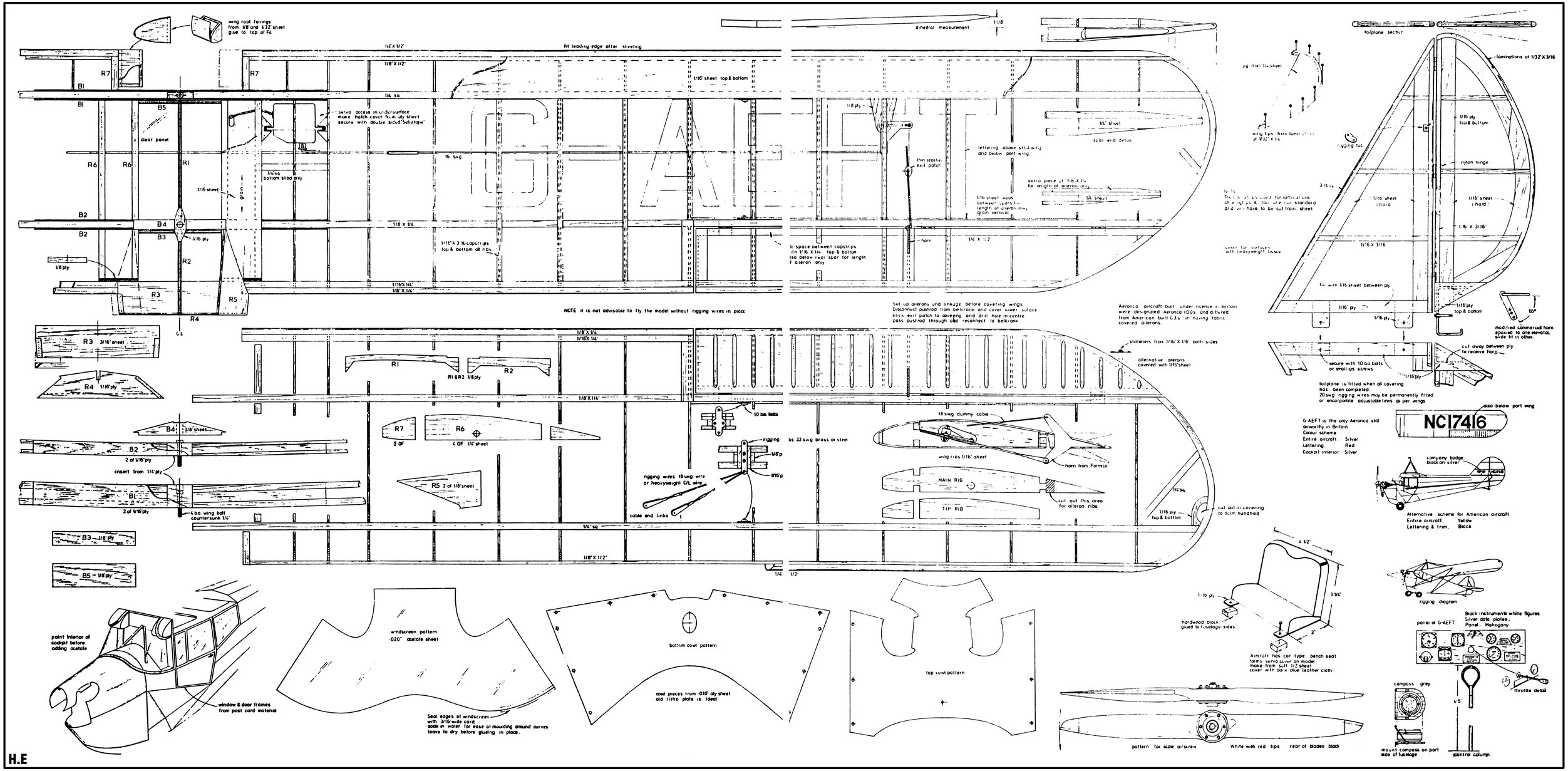
Recommended sources of information.
Aeromodeller plan Nº 2401
Pilot magazine for JAN 1975
still available from Lenhurst Publications, Blakenden drive, Claygate, Surrey. 50p inc post
Historical Aviation Album Vol 10
P.O box 33 Temple City, California 91780 USA
U.K. Distributor W.E.Hersfant 228 Archway Rd Highgate, London, N6

NOTE ON RUDDER CABLES

Set up cables & linkage before covering fuselage. Disconect cables from rudder and tuck into fuselage behind F10. After covering fix cable exit patches in place, pierce covering and pull cable through with a wire hook.



H.E


wing root fairings from 1/8" and 1/32" sheet glue to top of F4
fit leading edge after sheeting
1/16" sheet top & bottom
servo access in underside make hatch cover from ply sheet secure with double sided 'Sellotape'
clear panel
1/16" sheet
grain
1/4" sq
1/8" ply
1/16" X 3/16 capstrips top & bottom all ribs
space between capstrips 1/16 X 1/4 top & bottom also below rear spar for length of aileron only
NOTE it is not advisable to fly the model without rigging wires in place
dihedral measurement
1/8" ply
thin leather exit patch
horn
1/4" sheet
spar and detail
lettering above stbd wing and below port wing
extra piece of 1/8 X 1/4 for length of aileron only
1/16 sheet webs between spars for length of aileron only grain vertical
Set up ailerons and linkage before covering wings. Disconnect pushrod from bellcrank and cover lower surface stick exit patch to covering and drill hole in centre pass pushrod through and reconnect to bellcrank
Aeronca aircraft built under licence in Britain were designated Aeronca 100's and differed from American built C3's in having fabric covered ailerons.
stiffeners from 1/16" X 1/8" both sides
alternative ailerons covered with 1/16" sheet
10 ba bolts
rigging wires 18 swg wire or heavyweight C/L wire
cable end links
18 swg dummy cable
wing ribs 1/16" sheet
horn from Formica
MAIN RIB
TIP RIB
cut out this area for aileron ribs
cut out in covering to form handhold
1/16 ply top & bottom
tailplane section
laminations of 1/32" X 3/16
ply from 1/16 sheet
wing tips from laminations of 1/32" X 1/4
rigging tut
nylon hinge
1/16 ply top & bottom
1/16" sheet 'hard'
1/16" X 3/16"
1/16 X 3/16
fill with 1/16 sheet between ply
secure with 10 ba bolts or small c/s screws
cut away between ply to receive horn
modified commercial horn epoxied to one elevator, slide fit in other.
tailplane is fitted when all covering has been completed. 20 swg rigging wires may be permanently fitted or incorporate adjustable links as per wings
also below port wing
NC17416
G-AEFT is the only Aeronca still airworthy in Britain
Colour scheme
Entire aircraft. Silver
Lettering. Red
Cockpit interior. Silver
Company badge black on silver
Alternative scheme for American aircraft
Entire aircraft. Yellow
Lettering & trim. Black
rigging diagram
Black instruments white figures
Silver dials plates.
Panel. Mahogany
panel of G-AEFT
throttle detail
compass grey
mount compass on port side of fuselage
control column
hardwood block glued to fuselage sides
Aircraft has car type bench seat forms servo cover on model make from soft 1/2" sheet cover with dark blue leather cloth.
paint interior of cockpit before adding acetate
window & door frames from post card material
windscreen pattern .020" acetate sheet
Seal edges of windscreen with 3/16" wide card, soak in water for ease of moulding around curves leave to dry before glueing in place.
bottom cowl pattern
cowl pieces from .010" ply sheet old litho plate is ideal
top cowl pattern
pattern for scale airscrew
White with red tips rear of blades black
H.E