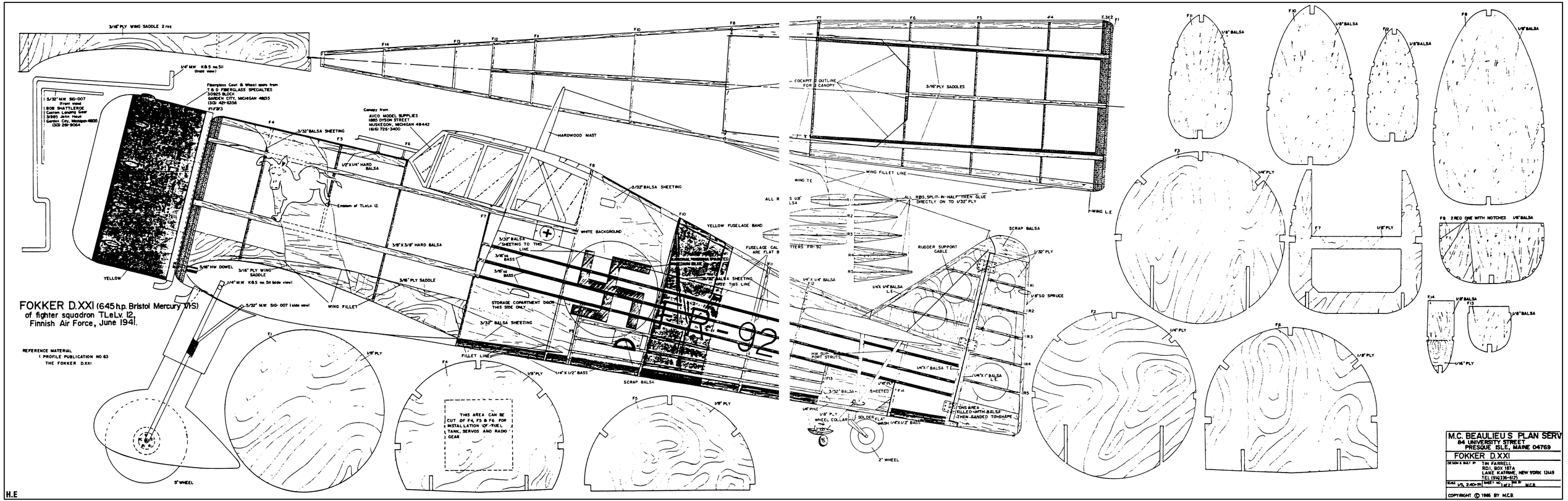
FOKKER D.XXI (645 h.p. Bristol Mercury VI-S)
of fighter squadron TLeLv. 12,
Finnish Air Force, June 1941.
REFERENCE MATERIAL
1 PROFILE PUBLICATION NO 63
THE FOKKER D.XXI
3/16" PLY WING SADDLE 2 req
1/4" MW KBS no.511 (front view)
5/32" MW SIG-007 (front view)
BOB SHATTLEROE
Custom Landing Gear
31985 John Hout
Garden City, Michigan 48135
(313) 261-8064
Fiberglass Cowl & Wheel spats from
T & D FIBERGLASS SPECIALTIES
30925 R.D.X.
GARDEN CITY, MICHIGAN 48135
(313) 421-5358
Canopy from
AVCO MODEL SUPPLIES
1865 DYSON STREET
MUSKEGON, MICHIGAN 49442
(616) 726-3400
3/32" BALSA SHEETING
1/2"X1/4" HARD BALSA
Emblem of TLeLv. 12
1/8"X3/8" HARD BALSA
3/16" PLY WING SADDLE
3/8" PLY SADDLE
5/16" MW DOWEL
1/4" MW KBS no.511 (side view)
5/32" MW SIG-007 (side view)
WING FILLET
HARDWOOD MAST
WHITE BACKGROUND
YELLOW FUSELAGE BAND
FUSELAGE CAMOUFLAGE FLAT B
3/32" BALSA SHEETING TO THIS LINE
3/16" BASS
STORAGE COMPARTMENT DOOR THIS SIDE ONLY
FILLET LINE
1/4" X 1/2" BASS
SCRAP BALSA
YELLOW
5" WHEEL
THIS AREA CAN BE CUT OF F4, F5 & F6 FOR INSTALLATION OF FUEL TANK, SERVOS AND RADIO GEAR
1/8" PLY
COCKPIT OUTLINE FOR 3 CANOPY
3/16" PLY SADDLES
WING TE
WING FILLET LINE
ALL RIBS SPLIT-IN-HALF THEN GLUE DIRECTLY ON TO 1/32" PLY
WING LE
RUDDER SUPPORT CABLE
SCRAP BALSA
1/32" PLY
1/8"50 SPRUCE
1/4"X 1/4" BALSA L.E.
1/4"X 1" BALSA T.E.
1/4"X 1" BALSA L.E.
3/32" BALSA SHEETED
1/4" PINE
1/8" PLY WHEEL COLLAR
SOLDER FLAT
1/4"X1/2" BASS
2" WHEEL
THIS AREA FILLED WITH BALSA THEN SANDED TO SHAPE
1/8" BALSA
1/4" PLY
1/8" PLY
F8 2 REQ ONE WITH NOTCHES 1/8" BALSA
F13
1/16" PLY
M.C. BEAULIEU'S PLAN SERV
84 UNIVERSITY STREET
PRESQUE ISLE, MAINE 04769
FOKKER D.XXI
DESIGN & DRAFT BY TIM FARRELL
RD1, BOX 187A
LAKE KATRINE, NEW YORK 12449
TEL (914) 336-8125
SCALE 1/5, 2.40"=1" SHEET NO. 1 of 2 DRAWN M.C.B.
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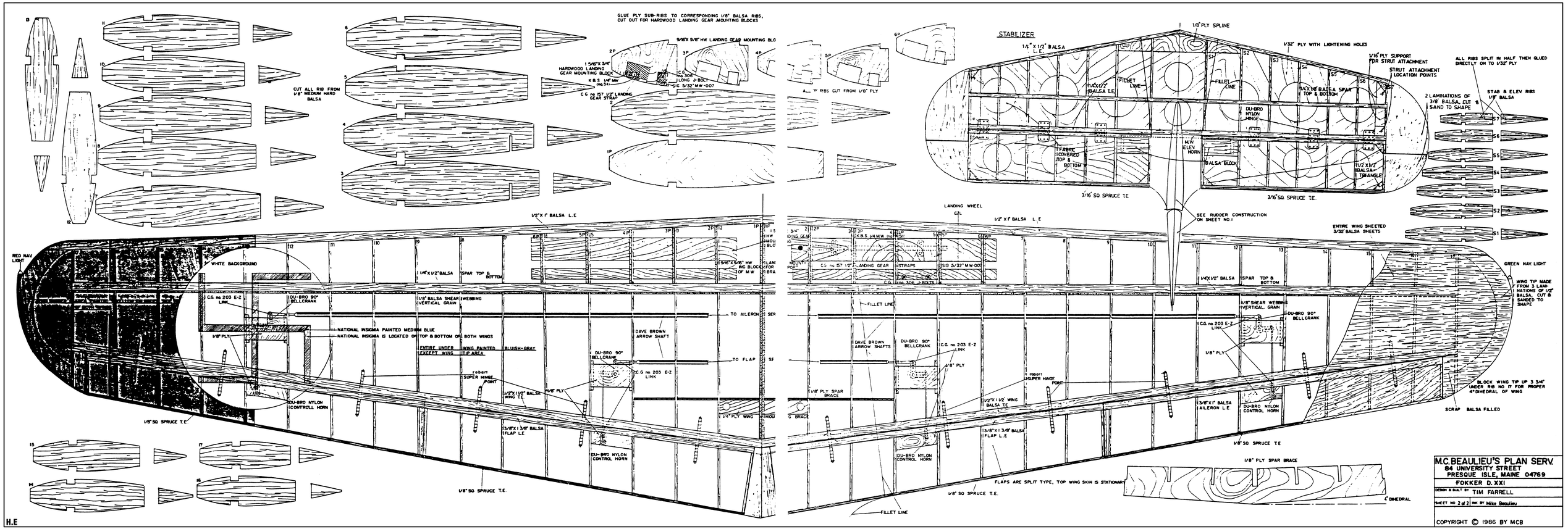
H.E


GLUE PLY SUB-RIBS TO CORRESPONDING 1/8" BALSA RIBS, CUT OUT FOR HARDWOOD LANDING GEAR MOUNTING BLOCKS
CUT ALL RIB FROM 1/8" MEDIUM HARD BALSA
9/16"X 9/16" HW LANDING GEAR MOUNTING BLO
1 5/16"X 3/4" HARDWOOD LANDING GEAR MOUNTING BLOCK
K & S 1/4" MW (no 57)
C.G no 157 1/2" LANDING GEAR STRAP
C.G no 308 LONG J-BOLT
SIG 5/32" MW-007
ALL 'P' RIBS CUT FROM 1/8" PLY
STABILIZER
1/4" X 1/2" BALSA L.E
1/8" PLY SPLINE
1/32" PLY WITH LIGHTENING HOLES
1/16" PLY SUPPORT FOR STRUT ATTACHMENT
STRUT ATTACHMENT LOCATION POINTS
ALL RIBS SPLIT IN HALF THEN GLUED DIRECTLY ON TO 1/32" PLY
STAB & ELEV RIBS 1/8" BALSA
2 LAMINATIONS OF 3/8 BALSA, CUT & SAND TO SHAPE
1/4"X 1/2" BALSA TE
FILLET LINE
1/4"X 1/2" BALSA SPAR TOP & BOTTOM
DU-BRO NYLON HINGE
FABRIC COVERED TOP & BOTTOM
M.W. ELEV HORN
BALSA BLOCK
1 1/2"X 1/2" BALSA TRIANGLE
3/16" SQ SPRUCE TE
3/16" SQ SPRUCE TE.
SEE RUDDER CONSTRUCTION ON SHEET NO 1
ENTIRE WING SHEETED 3/32" BALSA SHEETS
LANDING WHEEL
C/L
1/2"X 1" BALSA L.E
RED NAV LIGHT
WHITE BACKGROUND
1 1/4"X 1/2" BALSA
SPAR TOP & BOTTOM
1 5/16"X 5/16" HW LANDING BLOCK FOR M.W
C.G no 203 E-Z LINK
DU-BRO 90° BELLCRANK
1/8" SHEAR WEBBING VERTICAL GRAIN
TO AILERON
NATIONAL INSIGNIA PAINTED MEDIUM BLUE
NATIONAL INSIGNIA IS LOCATED ON TOP & BOTTOM OF BOTH WINGS
ENTIRE UNDER WING PAINTED BLUISH-GRAY EXCEPT WING TIP AREA
1/8" PLY
DAVE BROWN ARROW SHAFT
TO FLAP
robart SUPER HINGE POINT
1/2"X 1 1/2" BALSA WING TE
1/8" PLY
DU-BRO NYLON CONTROL HORN
1/8" SQ SPRUCE T.E.
3/8"X 1 3/8" BALSA FLAP L.E
1/4" PLY WING
1/8" SQ SPRUCE T.E.
1/2"X 1" BALSA L.E
1/4"X 1/2" BALSA
SPAR TOP & BOTTOM
1/8" SHEAR WEBBING VERTICAL GRAIN
DU-BRO 90° BELLCRANK
C.G no 203 E-Z LINK
1/8" PLY
GREEN NAV LIGHT
WING TIP MADE FROM 3 LAMINATIONS OF 1/2" BALSA, CUT & SANDED TO SHAPE
BLOCK WING TIP UP 3 3/4" UNDER RIB NO 17 FOR PROPER 4° DIHEDRAL OF WING
SCRAP BALSA FILLED
1/8" PLY SPAR BRACE
1/2"X 1 1/2" WING BALSA TE
3/8"X 1" BALSA AILERON L.E
DU-BRO NYLON CONTROL HORN
1/8" SQ SPRUCE TE
1/8" PLY SPAR BRACE
FLAPS ARE SPLIT TYPE, TOP WING SKIN IS STATIONARY
1/8" SQ SPRUCE T.E.
4° DIHEDRAL
FILLET LINE
H.E
M.C. BEAULIEU'S PLAN SERV.
84 UNIVERSITY STREET
PRESQUE ISLE, MAINE 04769
FOKKER D. XXI
DESIGN & BUILT BY TIM FARRELL
SHEET NO 2 of 2 DRW BY Mike Beaulieu
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