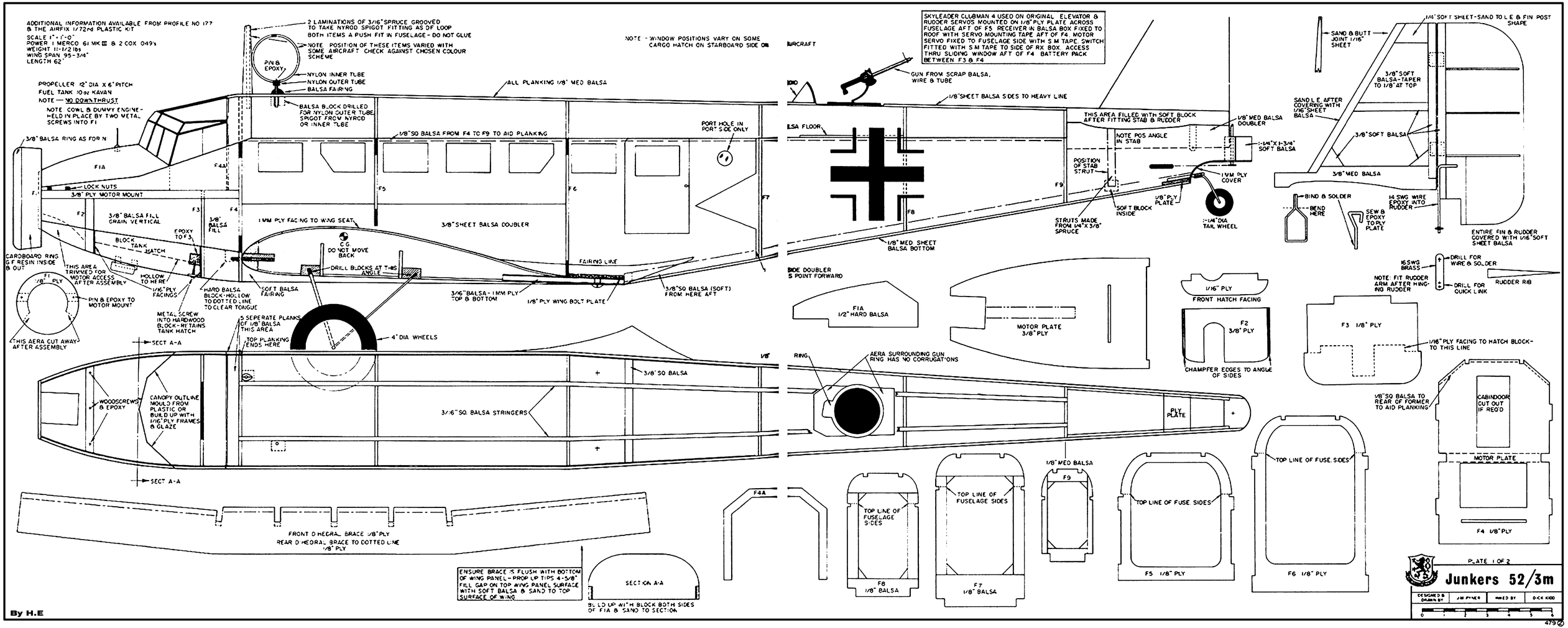
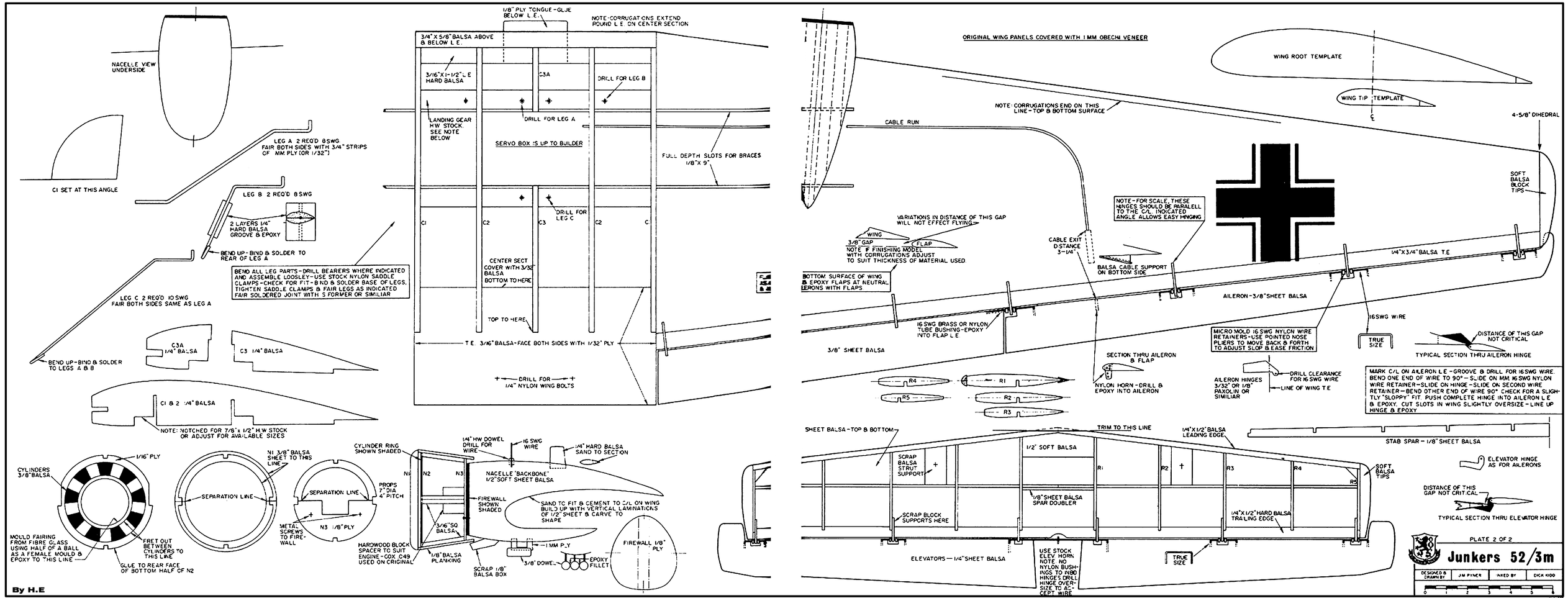

ADDITIONAL INFORMATION AVAILABLE FROM PROFILE NO 177 & THE AIRFIX 1/72nd PLASTIC KIT
SCALE 1"=1'-0"
POWER 1 MERCO 61 MK III & 2 COX 049's
WEIGHT 11-1/2 lbs
WING SPAN 95-3/4"
LENGTH 62"
PROPELLER 12" DIA X 6" PITCH
FUEL TANK 10 oz KAVAN
NOTE — NO DOWNTHRUST
NOTE COWL & DUMMY ENGINE-HELD IN PLACE BY TWO METAL SCREWS INTO F1
2 LAMINATIONS OF 3/16" SPRUCE GROOVED TO TAKE NYROD SPIGOT FITTING AS OF LOOP
BOTH ITEMS A PUSH FIT IN FUSELAGE - DO NOT GLUE
NOTE POSITION OF THESE ITEMS VARIED WITH SOME AIRCRAFT CHECK AGAINST CHOSEN COLOUR SCHEME
PIN & EPOXY
NYLON INNER TUBE
NYLON OUTER TUBE
BALSA FAIRING
BALSA BLOCK DRILLED FOR NYLON OUTER TUBE SPIGOT FROM NYROD OR INNER TUBE
ALL PLANKING 1/8" MED BALSA
NOTE - WINDOW POSITIONS VARY ON SOME AIRCRAFT
CARGO HATCH ON STARBOARD SIDE ONLY
3/8" BALSA RING AS FOR N
F1A
F4A
LOCK NUTS
3/8" PLY MOTOR MOUNT
1/8" SQ BALSA FROM F4 TO F9 TO AID PLANKING
PORT HOLE IN PORT SIDE ONLY
F5
F6
F7
F1
F2
F3
F4
3/8" BALSA FILL GRAIN VERTICAL
3/8" BALSA FILL
EPOXY TO F3
BLOCK TANK HATCH
1MM PLY FACING TO WING SEAT
3/8" SHEET BALSA DOUBLER
CG
DO NOT MOVE BACK
DRILL BLOCKS AT THIS ANGLE
FAIRING LINE
CARDBOARD RING G.F. RESIN INSIDE & OUT
THIS AREA TRIMMED FOR MOTOR ACCESS AFTER ASSEMBLY
HOLLOW TO HERE
1/16" PLY FACINGS
HARD BALSA BLOCK-HOLLOW TO DOTTED LINE TO CLEAR TONGUE
SOFT BALSA FAIRING
3/16" BALSA - 1MM PLY TOP & BOTTOM
1/8" PLY WING BOLT PLATE
3/8" SQ BALSA (SOFT) FROM HERE AFT
F1 1/8" PLY
PIN & EPOXY TO MOTOR MOUNT
METAL SCREW INTO HARDWOOD BLOCK-RETAINS TANK HATCH
THIS AERA CUT AWAY AFTER ASSEMBLY
5 SEPERATE PLANKS OF 1/8" BALSA THIS AREA
TOP PLANKING ENDS HERE
4" DIA WHEELS
SECT A-A
WOODSCREWS & EPOXY
CANOPY OUTLINE MOULD FROM PLASTIC OR BUILD UP WITH 1/16" PLY FRAMES & GLAZE
3/8" SQ BALSA
3/16" SQ. BALSA STRINGERS
SECT A-A
FRONT DIHEDRAL BRACE 1/8" PLY
REAR DIHEDRAL BRACE TO DOTTED LINE 1/8" PLY
F4A
ENSURE BRACE IS FLUSH WITH BOTTOM OF WING PANEL - PROP UP TIPS 4-5/8" FILL GAP ON TOP WING PANEL SURFACE WITH SOFT BALSA & SAND TO TOP SURFACE OF WING
SECTION A-A
BUILD UP WITH BLOCK BOTH SIDES OF F1A & SAND TO SECTION
SKYLEADER CLUBMAN 4 USED ON ORIGINAL. ELEVATOR & RUDDER SERVOS MOUNTED ON 1/8" PLY PLATE ACROSS FUSELAGE AFT OF F5. RECEIVER IN BALSA BOX FIXED TO ROOF WITH SERVO MOUNTING TAPE AFT OF F4. MOTOR SERVO FIXED TO FUSELAGE SIDE WITH S.M. TAPE. SWITCH FITTED WITH S.M. TAPE TO SIDE OF RX BOX. ACCESS THRU SLIDING WINDOW AFT OF F4. BATTERY PACK BETWEEN F3 & F4
GUN FROM SCRAP BALSA, WIRE & TUBE
1/8" SHEET BALSA SIDES TO HEAVY LINE
BALSA FLOOR
THIS AREA FILLED WITH SOFT BLOCK AFTER FITTING STAB & RUDDER
1/8" MED BALSA DOUBLER
NOTE POS ANGLE IN STAB
1-1/4" X 1-3/4" SOFT BALSA
POSITION OF STAB STRUT
1MM PLY COVER
1/8" PLY PLATE
SOFT BLOCK INSIDE
STRUTS MADE FROM 1/4" X 3/8" SPRUCE
1-1/4" DIA TAIL WHEEL
F8
F9
1/8" MED SHEET BALSA BOTTOM
SIDE DOUBLER 5 POINT FORWARD
F1A 1/2" HARD BALSA
MOTOR PLATE 3/8" PLY
1/16" PLY
FRONT HATCH FACING
F2 3/8" PLY
CHAMFER EDGES TO ANGLE OF SIDES
RING
AERA SURROUNDING GUN RING HAS NO CORRUGATIONS
PLY PLATE
1/8" MED BALSA
F9
TOP LINE OF FUSELAGE SIDES
F8 1/8" BALSA
TOP LINE OF FUSELAGE SIDES
F7 1/8" BALSA
TOP LINE OF FUSE. SIDES
F5 1/8" PLY
TOP LINE OF FUSE. SIDES
F6 1/8" PLY
SAND & BUTT JOINT 1/16" SHEET
1/4" SOFT SHEET - SAND TO L.E. & FIN POST SHAPE
3/8" SOFT BALSA - TAPER TO 1/8" AT TOP
SAND L.E. AFTER COVERING WITH 1/16" SHEET BALSA
3/8" SOFT BALSA
3/8" MED BALSA
BIND & SOLDER
BEND HERE
SEW & EPOXY TO PLY PLATE
14 SWG WIRE EPOXY INTO RUDDER
ENTIRE FIN & RUDDER COVERED WITH 1/16" SOFT SHEET BALSA
16 SWG BRASS
DRILL FOR WIRE & SOLDER
NOTE: FIT RUDDER ARM AFTER MINING RUDDER
DRILL FOR QUICK LINK
RUDDER RIB
F3 1/8" PLY
1/16" PLY FACING TO HATCH BLOCK - TO THIS LINE
1/8" SQ BALSA TO REAR OF FORMER TO AID PLANKING
CABIN DOOR CUT OUT IF REQ'D
MOTOR PLATE
F4 1/8" PLY
PLATE 1 OF 2
Junkers 52/3m
DESIGNED & DRAWN BY
J.M. PYNER
INKED BY
DICK KIDD
0 1 2 3 4 5 6
479

By H.E


NACELLE VIEW UNDERSIDE
C1 SET AT THIS ANGLE
LEG A 2 REQ'D 8SWG FAIR BOTH SIDES WITH 3/4" STRIPS OF MM PLY (OR 1/32")
LEG B 2 REQ'D 8SWG
2 LAYERS 1/4" HARD BALSA GROOVE & EPOXY
BEND UP-BIND & SOLDER TO REAR OF LEG A
BEND ALL LEG PARTS-DRILL BEARERS WHERE INDICATED AND ASSEMBLE LOOSLEY-USE STOCK NYLON SADDLE CLAMPS-CHECK FOR FIT-BIND & SOLDER BASE OF LEGS. TIGHTEN SADDLE CLAMPS & FAIR LEGS AS INDICATED FAIR SOLDERED JOINT WITH S FORMER OR SIMILIAR
LEG C 2 REQ'D 10SWG FAIR BOTH SIDES SAME AS LEG A
BEND UP-BIND & SOLDER TO LEGS A & B
C3A 1/4" BALSA
C3 1/4" BALSA
C1 & 2 1/4" BALSA
NOTE: NOTCHED FOR 7/8" x 1/2" H.W STOCK OR ADJUST FOR AVAILABLE SIZES
1/8" PLY TONGUE-GLUE BELOW L.E.
NOTE-CORRUGATIONS EXTEND ROUND L.E. ON CENTER SECTION
3/4" X 5/8" BALSA ABOVE & BELOW L.E.
3/16" X 1-1/2" L.E. HARD BALSA
C3A
DRILL FOR LEG B
LANDING GEAR H.W. STOCK. SEE NOTE BELOW
DRILL FOR LEG A
SERVO BOX IS UP TO BUILDER
FULL DEPTH SLOTS FOR BRACES 1/8" X 9"
DRILL FOR LEG C
C1
C2
C3
C2
C
CENTER SECT COVER WITH 3/32" BALSA BOTTOM TO HERE
TOP TO HERE
T.E. 3/16" BALSA-FACE BOTH SIDES WITH 1/32" PLY
DRILL FOR 1/4" NYLON WING BOLTS
ORIGINAL WING PANELS COVERED WITH 1MM OBECHI VENEER
WING ROOT TEMPLATE
WING TIP TEMPLATE
NOTE: CORRUGATIONS END ON THIS LINE-TOP & BOTTOM SURFACE
CABLE RUN
4-5/8" DIHEDRAL
SOFT BALSA BLOCK TIPS
VARIATIONS IN DISTANCE OF THIS GAP WILL NOT EFFECT FLYING
WING
3/8" GAP
FLAP
NOTE IF FINISHING MODEL WITH CORRUGATIONS ADJUST TO SUIT THICKNESS OF MATERIAL USED
BOTTOM SURFACE OF WING & EPOXY FLAPS AT NEUTRAL. ERONS WITH FLAPS
CABLE EXIT DISTANCE 3-1/4"
NOTE-FOR SCALE, THESE HINGES SHOULD BE PARALELL TO THE C/L. INDICATED ANGLE ALLOWS EASY HINGING
BALSA CABLE SUPPORT ON BOTTOM SIDE
1/4" X 3/4" BALSA T.E.
AILERON-3/8" SHEET BALSA
16 SWG BRASS OR NYLON TUBE BUSHING-EPOXY INTO FLAP L.E.
3/8" SHEET BALSA
16SWG WIRE
MICRO MOLD 16 SWG NYLON WIRE RETAINERS-USE POINTED NOSE PLIERS TO MOVE BACK & FORTH TO ADJUST SLOP & EASE FRICTION
TRUE SIZE
DISTANCE OF THIS GAP NOT CRITICAL
TYPICAL SECTION THRU AILERON HINGE
SECTION THRU AILERON & FLAP
NYLON HORN-DRILL & EPOXY INTO AILERON
AILERON HINGES 3/32" OR 1/8" PAXOLIN OR SIMILIAR
DRILL CLEARANCE FOR 16 SWG WIRE
LINE OF WING T.E.
MARK C/L ON AILERON L.E.-GROOVE & DRILL FOR 16SWG WIRE. BEND ONE END OF WIRE TO 90°-SLIDE ON MM. 16 SWG NYLON WIRE RETAINER-SLIDE ON HINGE-SLIDE ON SECOND WIRE RETAINER-BEND OTHER END OF WIRE 90° CHECK FOR A SLIGHTLY "SLOPPY" FIT. PUSH COMPLETE HINGE INTO AILERON L.E. & EPOXY. CUT SLOTS IN WING SLIGHTLY OVERSIZE-LINE UP HINGE & EPOXY
R4
R1
R5
R2
R3
SHEET BALSA-TOP & BOTTOM
TRIM TO THIS LINE
1/4" X 1/2" BALSA LEADING EDGE
STAB SPAR-1/8" SHEET BALSA
1/2" SOFT BALSA
SCRAP BALSA STRUT SUPPORT
R1
R2
R3
R4
R5
SOFT BALSA TIPS
ELEVATOR HINGE AS FOR AILERONS
1/8" SHEET BALSA SPAR DOUBLER
SCRAP BLOCK SUPPORTS HERE
1/4" X 1/2" HARD BALSA TRAILING EDGE
DISTANCE OF THIS GAP NOT CRITICAL
TYPICAL SECTION THRU ELEVATOR HINGE
ELEVATORS-1/4" SHEET BALSA
USE STOCK ELEV. HORN NOTE NO NYLON BUSHINGS TO NBO HINGES DRILL HINGE OVERSIZE TO ACCEPT WIRE
TRUE SIZE
1/16" PLY
CYLINDERS 3/8" BALSA
N1 3/8" BALSA SHEET TO THIS LINE
SEPARATION LINE
SEPARATION LINE
PROPS 7" DIA 4" PITCH
METAL SCREWS TO FIRE-WALL
N3 1/8" PLY
MOULD FAIRING FROM FIBRE GLASS USING HALF OF A BALL AS A FEMALE MOULD & EPOXY TO THIS LINE
FRET OUT BETWEEN CYLINDERS TO THIS LINE
GLUE TO REAR FACE OF BOTTOM HALF OF N2
CYLINDER RING SHOWN SHADED
N1
N2
N3
1/4" HW DOWEL DRILL FOR WIRE
16 SWG WIRE
1/4" HARD BALSA SAND TO SECTION
NACELLE 'BACKBONE' 1/2" SOFT SHEET BALSA
FIREWALL SHOWN SHADED
SAND TO FIT & CEMENT TO C/L ON WING BUILD UP WITH VERTICAL LAMINATIONS OF 1/2" SHEET & CARVE TO SHAPE
3/16" SQ BALSA
HARDWOOD BLOCK SPACER TO SUIT ENGINE-COX .049 USED ON ORIGINAL
1/8" BALSA PLANKING
1MM PLY
3/8" DOWEL
EPOXY FILLET
SCRAP 1/8" BALSA BOX
FIREWALL 1/8" PLY
By H.E
PLATE 2 OF 2
Junkers 52/3m
DESIGNED & DRAWN BY
JIM PYNER
INKED BY
DICK KIDD
0 1 2 3 4 5 6
479