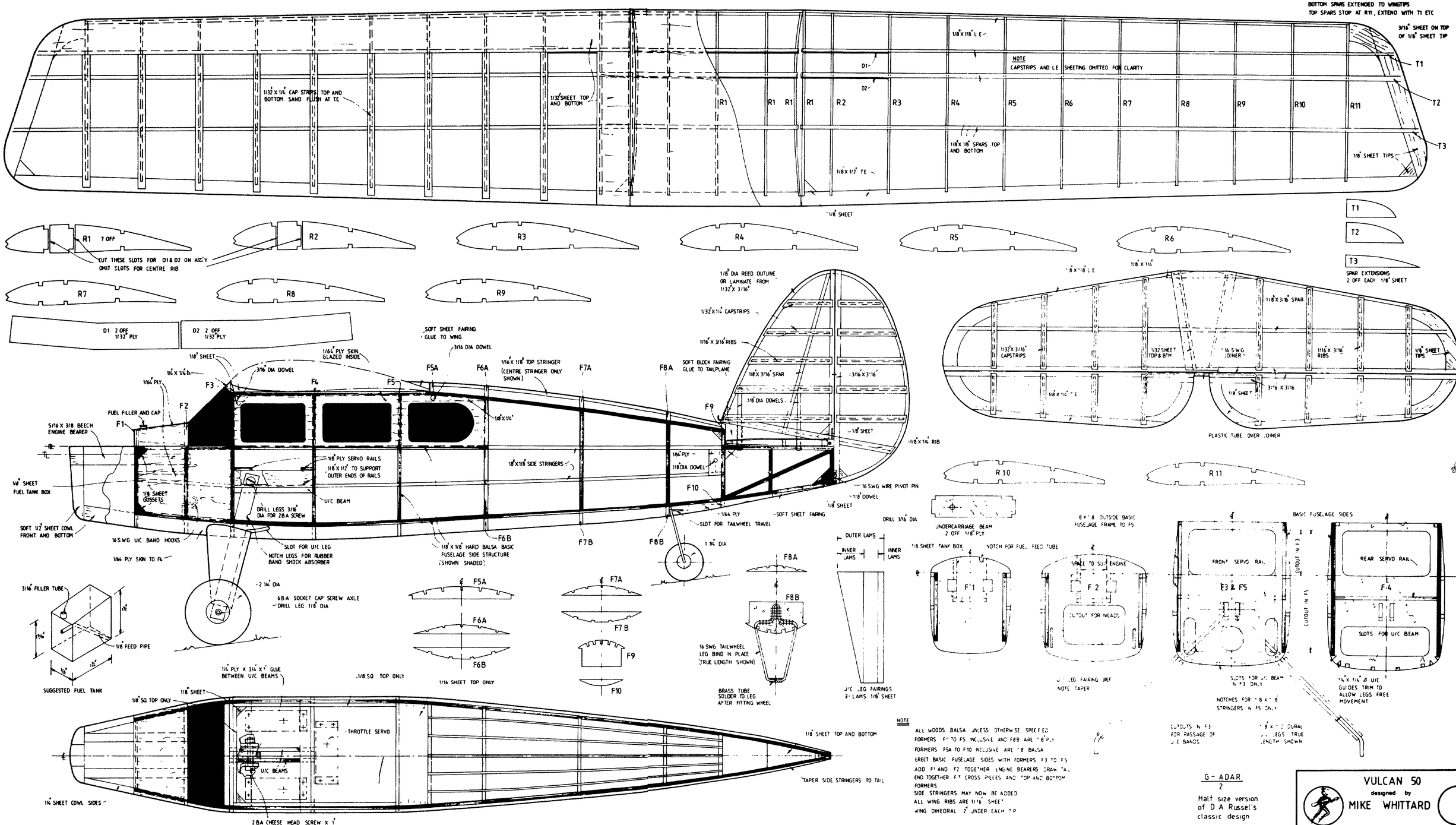
NOTE
BOTTOM SPARS EXTENDED TO WINGTIPS
TOP SPARS STOP AT R11, EXTEND WITH T1 ETC
3/16" SHEET ON TOP OF 1/8" SHEET TIP
1/8" X 1/8" L E
NOTE
CAPSTRIPS AND LE SHEETING OMITTED FOR CLARITY
1/32" X 1/4" CAP STRIPS TOP AND BOTTOM SAND FLUSH AT TE
1/32" SHEET TOP AND BOTTOM
D1
D2
R1
R2
R3
R4
R5
R6
R7
R8
R9
R10
R11
T1
T2
T3
1/8" X 1/8" SPARS TOP AND BOTTOM
1/8" X 1/2" TE
1/8" SHEET TIPS
1/8" SHEET
R1 7 OFF
CUT THESE SLOTS FOR D1 & D2 ON ASS'Y
OMIT SLOTS FOR CENTRE RIB
SPAR EXTENSIONS
2 OFF EACH 1/8" SHEET
D1 2 OFF 1/32" PLY
D2 2 OFF 1/32" PLY
1/8" X 1/4"
1/8" X 3/16" SPAR
1/32" X 3/16" CAPSTRIPS
1/32" SHEET TOP & BTM
16 SWG JOINER
1/16" X 3/16" RIBS
1/8" SHEET TIPS
3/16" X 3/16
PLASTIC TUBE OVER JOINER
1/8" SHEET
SOFT SHEET FAIRING GLUE TO WING
3/16 DIA DOWEL
1/64" PLY SKIN GLAZED INSIDE
1/16" X 1/8" TOP STRINGER (CENTRE STRINGER ONLY SHOWN)
1/8" DIA REED OUTLINE OR LAMINATE FROM 1/32" X 3/16"
1/32" X 1/4" CAPSTRIPS
1/16" X 3/16" RIBS
1/8" X 3/16" SPAR
3/16" X 3/16"
1/8" DIA DOWELS
SOFT BLOCK FAIRING GLUE TO TAILPLANE
1/8" X 1/4"
1/8" X 1/4" RIB
1/64" PLY
F1
F2
F3
F4
F5
F5A
F6A
F7A
F8A
F9
F10
FUEL FILLER AND CAP
5/16 X 3/8 BEECH ENGINE BEARER
1/8" SHEET FUEL TANK BOX
1/8" SHEET GUSSETS
SOFT 1/2" SHEET COWL FRONT AND BOTTOM
1/8" PLY SERVO RAILS
1/8" X 1/2" TO SUPPORT OUTER ENDS OF RAILS
U/C BEAM
1/8" X 1/8" SIDE STRINGERS
1/8" DIA DOWEL
16 SWG WIRE PIVOT PIN
1/8" DOWEL
DRILL LEGS 3/16" DIA FOR 2BA SCREW
16 SWG U/C BAND HOOKS
SLOT FOR U/C LEG
NOTCH LEGS FOR RUBBER BAND SHOCK ABSORBER
1/64 PLY SKIN TO F4
1/8" X 1/8" HARD BALSA BASIC FUSELAGE SIDE STRUCTURE (SHOWN SHADED)
F6B
F7B
F8B
SLOT FOR TAILWHEEL TRAVEL
SOFT SHEET FAIRING
DRILL 3/16" DIA
1 1/4" DIA
2 1/4" DIA
6BA SOCKET CAP SCREW AXLE
DRILL LEG 1/8" DIA
3/16" FILLER TUBE
1/8" FEED PIPE
SUGGESTED FUEL TANK
1/4" PLY X 3/4" X 1" GLUE BETWEEN U/C BEAMS
1/8 SQ TOP ONLY
1/16 SHEET TOP ONLY
16 SWG TAILWHEEL LEG BIND IN PLACE (TRUE LENGTH SHOWN)
BRASS TUBE SOLDER TO LEG AFTER FITTING WHEEL
OUTER LAMS
INNER LAMS
U/C LEG FAIRINGS 3 LAMS 1/8" SHEET
UNDERCARRIAGE BEAM 2 OFF 1/8" PLY
8 X 1/8 OUTSIDE BASIC FUSELAGE FRAME TO F5
1/8 SHEET TANK BOX
NOTCH FOR FUEL FEED TUBE
SPACE TO SUIT ENGINE
CUTOUT FOR HEADS
U/C LEG FAIRING REF NOTE TAPER
BASIC FUSELAGE SIDES
FRONT SERVO RAIL
F3 & F5
CUTOUT IN F3
CUTOUT IN F5
REAR SERVO RAIL
F4
SLOTS FOR U/C BEAM
SLOTS FOR U/C BEAM IN F3 ONLY
NOTCHES FOR 1/8 X 1/8 STRINGERS IN F5 ONLY
1/4" X 1/4" Ø U/C GUIDES TRIM TO ALLOW LEGS FREE MOVEMENT
CUTOUTS IN F3 FOR PASSAGE OF U/C BANDS
1/8" X 1/2" DURAL U/C LEGS TRUE LENGTH SHOWN
1/4" SHEET COWL SIDES
THROTTLE SERVO
U/C BEAMS
1/8" SHEET TOP AND BOTTOM
TAPER SIDE STRINGERS TO TAIL
2BA CHEESE HEAD SCREW X 1" WITH HEX NUT AND WASHERS LOCTITE NUT ON ASSEMBLY
NOTE
ALL WOODS BALSA UNLESS OTHERWISE SPECIFIED
FORMERS F1 TO F5 INCLUSIVE AND F8B ARE 1/8" PLY
FORMERS F5A TO F10 INCLUSIVE ARE 1/8" BALSA
ERECT BASIC FUSELAGE SIDES WITH FORMERS F3 TO F5
ADD F1 AND F2 TOGETHER ENGINE BEARERS DRAW TAIL END TOGETHER FIT CROSS PIECES AND TOP AND BOTTOM FORMERS
SIDE STRINGERS MAY NOW BE ADDED
ALL WING RIBS ARE 1/16" SHEET
WING DIHEDRAL 2" UNDER EACH TIP
G - ADAR
2
Half size version of D A Russel's classic design
VULCAN 50
designed by
MIKE WHITTARD
The R.C.M.&E. Plans Service
WOLSEY HOUSE, WOLSEY ROAD HEMEL HEMPSTEAD, HERTS.