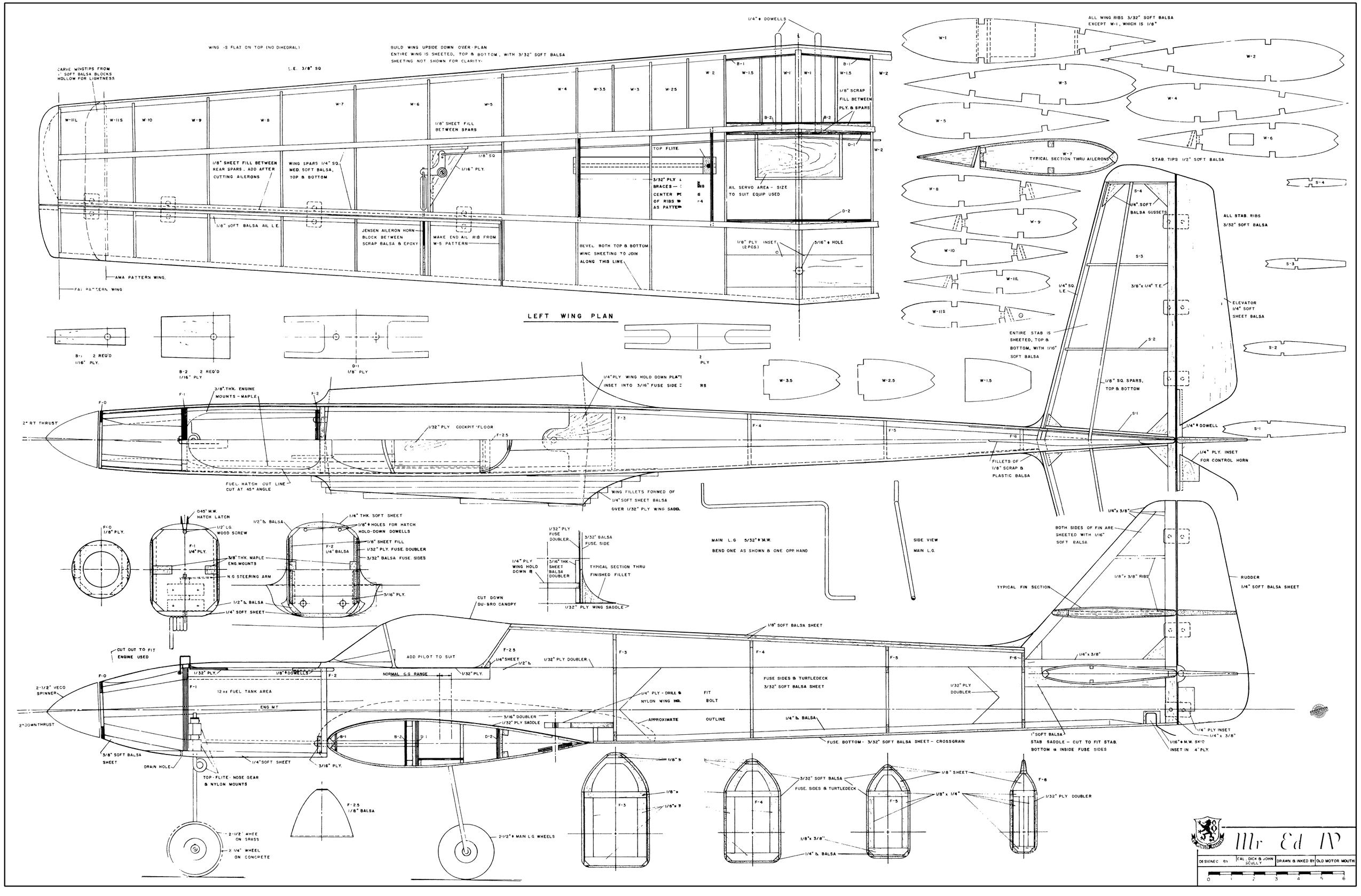
WING IS FLAT ON TOP (NO DIHEDRAL)
BUILD WING UPSIDE DOWN OVER PLAN
ENTIRE WING IS SHEETED, TOP & BOTTOM, WITH 3/32" SOFT BALSA
SHEETING NOT SHOWN FOR CLARITY
1/4" ϕ DOWELLS
L.E. 3/8" SQ
CARVE WINGTIPS FROM 1" SOFT BALSA BLOCKS HOLLOW FOR LIGHTNESS
W-11L
W-11S
W-10
W-9
W-8
W-7
W-6
W-5
W-4
W-3.5
W-3
W-2.5
W-2
W-1.5
W-1
B-1
B-2
D-1
D-2
1/8" SHEET FILL BETWEEN SPARS
1/8" SHEET FILL BETWEEN REAR SPARS, ADD AFTER CUTTING AILERONS
WING SPARS 1/4" SQ. MED. SOFT BALSA, TOP & BOTTOM
1/8" SQ
1/16" PLY.
TOP FLITE
3/32" PLY BRACES — CENTER OF RIBS AS PATTERN
1/8" SCRAP FILL BETWEEN PLY. & SPARS
AIL SERVO AREA - SIZE TO SUIT EQUIP USED
1/8" SOFT BALSA AIL L.E.
JENSEN AILERON HORN BLOCK BETWEEN SCRAP BALSA & EPOXY
MAKE END AIL RIB FROM W-5 PATTERN
BEVEL BOTH TOP & BOTTOM WING SHEETING TO JOIN ALONG THIS LINE
1/8" PLY INSET (2 PCS.)
5/16" ϕ HOLE
AMA PATTERN WING
FAI PATTERN WING
LEFT WING PLAN
ALL WING RIBS 3/32" SOFT BALSA EXCEPT W-1, WHICH IS 1/8"
W-7 TYPICAL SECTION THRU AILERONS
STAB. TIPS 1/2" SOFT BALSA
S-4
S-3
S-2
S-1
1/4" SOFT BALSA GUSSETS
ALL STAB. RIBS 3/32" SOFT BALSA
1/4" SQ. L.E.
3/8" x 1/4" T.E.
ELEVATOR 1/4" SOFT SHEET BALSA
ENTIRE STAB IS SHEETED, TOP & BOTTOM, WITH 1/16" SOFT BALSA
1/8" SQ. SPARS, TOP & BOTTOM
1/4" ϕ DOWELL
1/4" PLY. INSET FOR CONTROL HORN
B-1 2 REQ'D 1/16" PLY.
B-2 2 REQ'D 1/16" PLY
D-1 1/8" PLY
2 PLY
1/4" PLY WING HOLD DOWN PLATE INSET INTO 3/16" FUSE SIDE RS
F-0
F-1
F-2
F-2.5
F-3
F-4
F-5
F-6
3/8" THK. ENGINE MOUNTS - MAPLE
2° RT THRUST
1/32" PLY COCKPIT FLOOR
FILLETS OF 1/8" SCRAP & PLASTIC BALSA
FUEL HATCH CUT LINE CUT AT 45° ANGLE
WING FILLETS FORMED OF 1/4" SOFT SHEET BALSA OVER 1/32" PLY WING SADDL
.045" M.W. HATCH LATCH
1/2" LG. WOOD SCREW
F-1 1/4" PLY.
3/8" THK. MAPLE ENG. MOUNTS
N.G STEERING ARM
1/2" ⊾ BALSA
1/4" SOFT SHEET
1/4" THK. SOFT SHEET
1/8" ϕ HOLES FOR HATCH HOLD-DOWN DOWELLS
1/8" SHEET FILL
1/32" PLY. FUSE. DOUBLER
3/32" BALSA FUSE. SIDES
F-2 1/4" BALSA
3/16" PLY.
1/32" PLY FUSE DOUBLER
3/32" BALSA FUSE. SIDE
1/4" PLY WING HOLD DOWN
3/16" THK SHEET BALSA DOUBLER
TYPICAL SECTION THRU FINISHED FILLET
1/32" PLY WING SADDLE
MAIN L.G 5/32" ϕ M.W.
BEND ONE AS SHOWN & ONE OPP. HAND
SIDE VIEW MAIN L.G.
BOTH SIDES OF FIN ARE SHEETED WITH 1/16" SOFT BALSA
1/4" x 3/8"
1/8" x 3/8" RIBS
TYPICAL FIN SECTION
RUDDER 1/4" SOFT BALSA SHEET
CUT DOWN DU-BRO CANOPY
1/8" SOFT BALSA SHEET
CUT OUT TO FIT ENGINE USED
ADD PILOT TO SUIT
F-2.5
1/4" SHEET
1/2" ⊾
1/32" PLY DOUBLER
1/32" PLY.
1/8" ϕ DOWELLS
NORMAL C.G RANGE
2-1/2" VECO SPINNER
12 oz FUEL TANK AREA
ENG. M.T
2° DOWNTHRUST
1/4" PLY - DRILL & NYLON WING HOLD FIT BOLT
APPROXIMATE OUTLINE
FUSE SIDES & TURTLEDECK 3/32" SOFT BALSA SHEET
1/32" PLY DOUBLER
1/4" ⊾ BALSA
3/16" DOUBLER
1/32" PLY SADDLE
FUSE BOTTOM - 3/32" SOFT BALSA SHEET - CROSSGRAIN
1" SOFT BALSA STAB SADDLE - CUT TO FIT STAB. BOTTOM & INSIDE FUSE SIDES
1/4" PLY INSET
1/4" x 3/8"
1/16" ϕ M.W. SKID INSET IN 4" PLY.
3/8" SOFT BALSA SHEET
DRAIN HOLE
TOP-FLITE NOSE GEAR & NYLON MOUNTS
F-2.5 1/8" BALSA
2-1/2" WHEE ON GRASS
2 1/4" WHEEL ON CONCRETE
2-1/2" ϕ MAIN L.G WHEELS
3/32" SOFT BALSA FUSE. SIDES & TURTLEDECK
1/8" SHEET
1/8" x 1/4"
1/32" PLY DOUBLER
1/8" x 3/8"
1/4" ⊾ BALSA
Mr Ed IV
DESIGNED BY
CAL, DICK & JOHN SCULLY
DRAWN & INKED BY
OLD MOTOR MOUTH
0 1 2 3 4 5 6