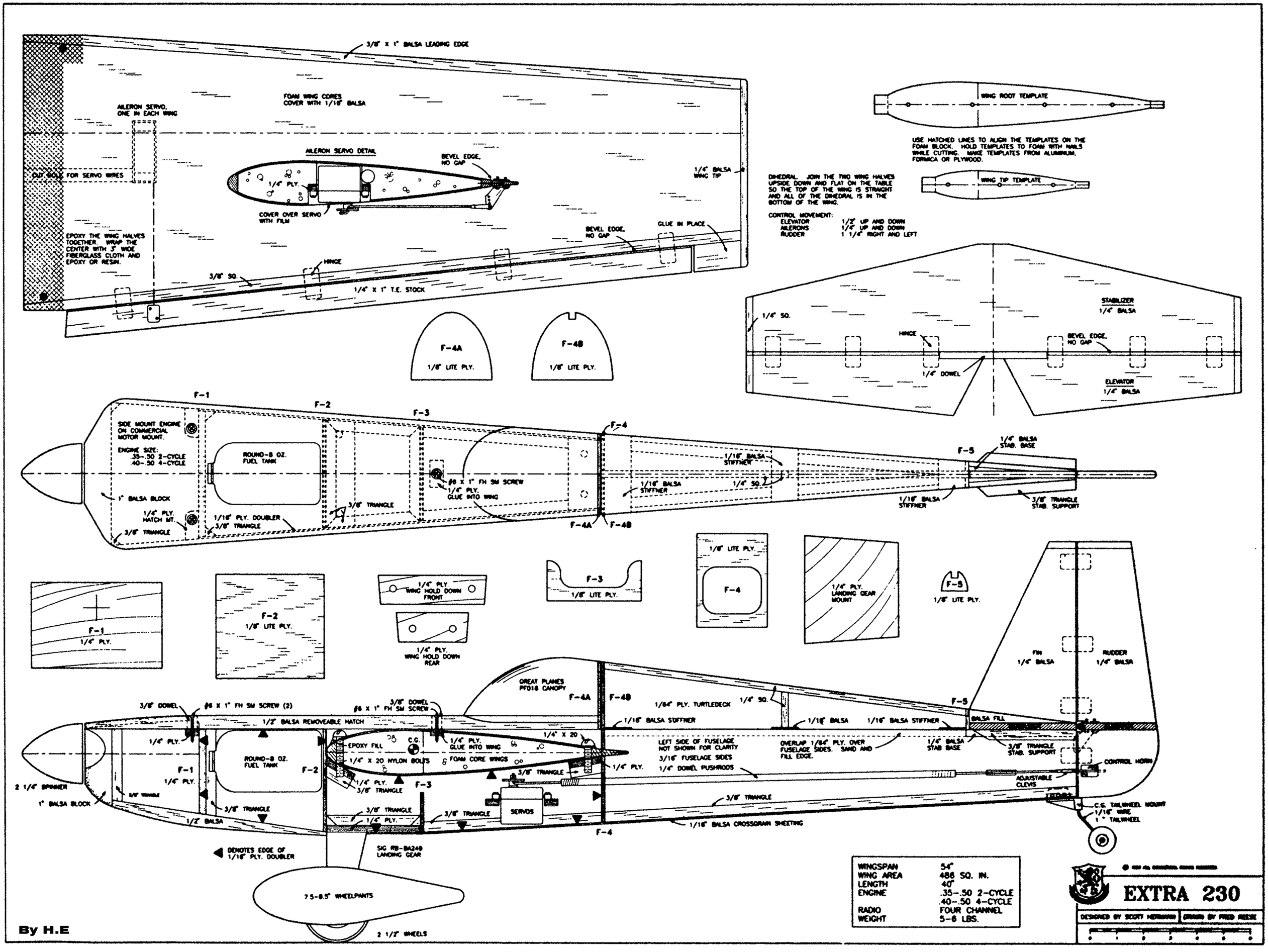
3/8" X 1" BALSA LEADING EDGE
FOAM WING CORES COVER WITH 1/16" BALSA
AILERON SERVO, ONE IN EACH WING
AILERON SERVO DETAIL
BEVEL EDGE, NO GAP
1/4" PLY.
COVER OVER SERVO WITH FILM
CUT HOLE FOR SERVO WIRES
1/4" BALSA WING TIP
EPOXY THE WING HALVES TOGETHER. WRAP THE CENTER WITH 3" WIDE FIBERGLASS CLOTH AND EPOXY OR RESIN.
BEVEL EDGE, NO GAP
GLUE IN PLACE
HINGE
3/8" SQ.
1/4" X 1" T.E. STOCK
WING ROOT TEMPLATE
USE MATCHED LINES TO ALIGN THE TEMPLATES ON THE FOAM BLOCK. HOLD TEMPLATES TO FOAM WITH NAILS WHILE CUTTING. MAKE TEMPLATES FROM ALUMINUM, FORMICA OR PLYWOOD.
WING TIP TEMPLATE
DIHEDRAL. JOIN THE TWO WING HALVES UPSIDE DOWN AND FLAT ON THE TABLE SO THE TOP OF THE WING IS STRAIGHT AND ALL OF THE DIHEDRAL IS IN THE BOTTOM OF THE WING.
CONTROL MOVEMENT:
ELEVATOR 1/2" UP AND DOWN
AILERONS 1/4" UP AND DOWN
RUDDER 1 1/4" RIGHT AND LEFT
STABILIZER 1/4" BALSA
1/4" SQ.
HINGE
BEVEL EDGE, NO GAP
1/4" DOWEL
ELEVATOR 1/4" BALSA
F-4A
1/8" LITE PLY.
F-4B
1/8" LITE PLY.
F-1
F-2
F-3
F-4
F-5
SIDE MOUNT ENGINE ON COMMERCIAL MOTOR MOUNT.
ENGINE SIZE:
.35-.50 2-CYCLE
.40-.50 4-CYCLE
ROUND-8 OZ. FUEL TANK
1" BALSA BLOCK
1/4" PLY. HATCH MT.
3/8" TRIANGLE
1/16" PLY. DOUBLER
3/8" TRIANGLE
3/8" TRIANGLE
#8 X 1" FH SM SCREW
1/4" PLY. GLUE INTO WING
1/16" BALSA STIFFNER
1/16" BALSA STIFFNER
1/4" SQ.
1/16" BALSA STIFFNER
1/4" BALSA STAB. BASE
3/8" TRIANGLE STAB. SUPPORT
F-4A
F-4B
F-1
1/4" PLY.
F-2
1/8" LITE PLY.
1/4" PLY. WING HOLD DOWN FRONT
1/4" PLY. WING HOLD DOWN REAR
F-3
1/8" LITE PLY.
1/8" LITE PLY.
F-4
1/4" PLY. LANDING GEAR MOUNT
F-5
1/8" LITE PLY.
FIN 1/4" BALSA
RUDDER 1/4" BALSA
GREAT PLANES PF016 CANOPY
F-4A
F-4B
1/64" PLY. TURTLEDECK
1/4" SQ.
F-5
3/8" DOWEL
#6 X 1" FH SM SCREW (2)
3/8" DOWEL
#6 X 1" FH SM SCREW
1/2" BALSA REMOVEABLE HATCH
1/16" BALSA STIFFNER
1/16" BALSA
1/16" BALSA STIFFNER
BALSA FILL
1/4" PLY.
EPOXY FILL
C.G.
1/4" PLY. GLUE INTO WING
1/4" X 20
1/4" X 20 NYLON BOLTS
FOAM CORE WINGS
LEFT SIDE OF FUSELAGE NOT SHOWN FOR CLARITY
3/16" FUSELAGE SIDES
1/4" DOWEL PUSHRODS
OVERLAP 1/64" PLY. OVER FUSELAGE SIDES. SAND AND FILL EDGE.
1/4" BALSA STAB BASE
3/8" TRIANGLE STAB. SUPPORT
CONTROL HORN
ADJUSTABLE CLEVIS
ROUND-8 OZ. FUEL TANK
F-1
1/4" PLY.
F-2
1/4" PLY.
3/8" TRIANGLE
F-3
3/8" TRIANGLE
1/4" PLY.
3/8" TRIANGLE
SERVOS
3/8" TRIANGLE
1/4" PLY.
3/8" TRIANGLE
2 1/4" SPINNER
1" BALSA BLOCK
3/8" TRIANGLE
1/2" BALSA
F-4
1/16" BALSA CROSSGRAIN SHEETING
C.G. TAILWHEEL MOUNT
1/16" WIRE
1" TAILWHEEL
DENOTES EDGE OF 1/16" PLY. DOUBLER
SIG RB-BA249 LANDING GEAR
7.5-8.5" WHEELPANTS
2 1/2" WHEELS
WINGSPAN 54"
WING AREA 486 SQ. IN.
LENGTH 40"
ENGINE .35-.50 2-CYCLE
.40-.50 4-CYCLE
RADIO FOUR CHANNEL
WEIGHT 5-6 LBS.
EXTRA 230
DESIGNED BY SCOTT HERMANN
DRAWN BY FRED REEVE
By H.E