PLAN NO. 1134

0 1 2 3 4 5 6

DESIGNED & DRAWN BY ERIC HENDERSON

PLANS BY

A FLYING WING COMBAT DESIGN

COMBAT GREMLIN

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NOTE: ALL WOOD IS BALSA, UNLESS NOTED OTHERWISE

SECTION A-A

(FIN ANGLE NOT CRITICAL)
TRAILING EDGE STOCK
1/8" SHEET-FIN
4-40 MACHINE SCREW & "VELCRO" LOCKNUT
1/16" MUSIC WIRE-INSIDE OF WING TUBING
16" LENGTH OF INNER WING TUBING-ANTENNA GUIDE
OLD SERVO OUTPUT WHEEL (STREAMER ATTACHMENT POINT)

TEMPLATE FOR CENTER SECTION CUTOUT

TIP - FOAM CUTTING TEMPLATE

ROOT - FOAM CUTTING TEMPLATE

1/32" PLYWOOD
3/8" X 1-1/2"- AILERON STOCK
1/8" SHEET
(2 FINS REQUIRED)
1/8" SHEET
1/8" SHEET

5/8" SQ.-PINE WING BOLT MOUNTING BLOCK
1/4-20 TAPPED HOLE
1/8" PLYWOOD
DB2

ALILERON SERVO
ELEVATOR SERVO
BATTERY PACK
4-40 MACHINE SCREWS W/ WASHERS & "VELCRO" LOCKNUTS
PLASTIC TIE WRAP
1/4" PLYWOOD-ENGINE BREAK PLATE
USE "HEAD" FROM SECOND TIE WRAP FOR CONNECTOR
TIE WRAP
SWITCH
RECEIVER
FOAM
4 OUNCE (SS-4) SULLIVAN FUEL TANK

BREAK PLATE - 1/4" PLYWOOD (ENGINE CUTOUT SHOWN IS FOR OS .25 R/C ENGINE)
BATTERY PACK
THROTTLE SERVO
ELEVATOR SERVO
HARDWOOD-SLIDING AILERON RAIL
INNER WROD
AILERON SERVO
OUTER WROD
HARDWOOD CROSS RAILS (WARY SPACING TO SUIT SERVOS TO BE USED)
SWITCH (TAPE TO RECEIVER)
RECEIVER
4 OUNCE (SS-4) SULLIVAN FUEL TANK

OPTIONAL PLASTIC SKID-MAKE FROM FUSELAGE SCRAP
BALSA FILLER BLOCK
USE 2-1/2" SPINNER TO PROTECT ENGINE
(CENTER OF GRAVITY MUST BE BETWEEN 1-5/8 & 1-3/4" FROM LEADING EDGE)
3/8" UP & DOWN-FOR ELEVATOR & AILERONS (ELEVONS)
REAR SPAR
DB2
MAIN SPAR
DB1
C.G.
NYLON CONTROL HORN (LARGE)
FIN BOLT HOLES
A
A
1/8" SHEET
POSITION FOR 3 SERVOS ABREAST WHEN USING RADIO SYSTEM WITH ELEVON CAPABILITY
OS .25 ENGINE SHOWN
2-1/2" PLASTIC DOWN SPOUT LEADER PIPE
1/4-20 TAPPED HOLES
1/2" X 3/4"-PINE WING BOLT MOUNTING BLOCK
1/8" PLYWOOD
DB1
1/8" SHEET

1/4" X 3/4"-LEADING EDGE
(TOP OF WING)
1/8" SHEET-TIP (OPTIONAL)

NYLON CONTROL HORN (LARGE)
3/8" X 1-1/2"- AILERON
NOTE: 48" WING SPAN IS SHOWN, FOR SMALLER ENGINES USE 44" SPAN
1/4" X 1/2"
DB2
DUBRO (SMALL) NYLON HINGE
HARDWOOD WING BOLT BLOCKS
DB1
9 1/4"
4 1/8"
CENTER LINE FOR 2 STRIPS OF 3/4" WIDE FIBREGLAS PACKAGING TAPE
2 OUNCE FIBREGLAS CLOTH & EPOXY RESIN (BOTTOM)
EPS. FOAM WING CORE
ASSEMBLE WING WITH TOP SURFACE FLAT IN ORDER TO ACHIEVE PROPER DIHEDRAL ANGLE.