Mig-25 FOXBAT

DESIGNED BY TONY NIJHUIS

SPECIFICATION:
MOVEMENTS - ELEVATOR - 25mm (AT TIP T.E.)
AILERON - 5mm
WEIGHT - 16 - 25oz (0.45 - 0.75kg)
SPAN - 24" (603mm)
LENGTH - 32.5" (820mm)
LOADING - 20oz/sq.ft. (5.2kg/sq.m.)
3 FUNCTION MICRO RADIO

POWER SET-UP USED ON PROTOTYPE:
MOTOR - 200W IN-RUNNER
CONTROLLER - 30Amp
PROP ADAPTOR - 3.2mm
BATTERY - 3S 2200mAh Li-Po
PROP - 6 x 3 OR 5.5 x 4 OR EQUIV.

F4

HATCHING DENOTES AREA OF CHAMFER

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0.8mm PLY/PLASTIC TORQUE ROD COVER

METAL LINK

ELEVATOR HORN

9mm TRIANGLE BALSA

F1 F2 F3 F4 F5

PLASTIC TUBE USED AS BEARING AND GLUED THROUGH FUSELAGE SIDES

9mm TRIANGLE BALSA

PLASTIC LINK

CHAMFERED AREA TO BE REMOVED

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FINISHED PROFILE

WING SECTION A-A

14SWG ELEVATOR TORQUE ROD NOTE: BEND ONE END ONLY BEFORE INSERTING THROUGH OUTER TUBE THEN BEND OTHER END

LAMINATED 2mm TAILPLANE WITH TORQUE ROD SANDWICHED BETWEEN

6mm PLY REINFORCEMENT AROUND MOTOR MOUNTING HOLES

MOTOR SECURED TO DOWELS USING TIE-WRAPS

6mm MOTOR MOUNTING DOWELS

F5

OUTLINE OF DUMMY EXHAUST TAILPIPES

HOLE FOR MOTOR WIRING

SHEET JOIN LINE

AILERON CONTROL SNAKE TO LIGHT WEIGHT 'SULLIVAN GOLD' TYPE. USING THE THREADED END OF A PUSHROD AS A FILE, CHANNEL OUT A GROOVE FOR THE SNAKE TO RECESS INTO. THE GROOVE SHOULD BE JUST DEEP ENOUGH TO RECESS THE SNAKE INTO FULLY. GLUE IN POSITION

CHAMFER LEADING EDGE OF AILERON

HOW TO PROFILE THE WING:
1. USING A PEN, MARK A CENTRE LINE ALONG THE LEADING & TRAILING EDGES OF THE WING
2. MARK THE SHADED AREA ONTO THE TOP OF THE WING AS SHOWN ON THE PLAN
3. USING A RAZOR PLANE, REMOVE THE SHADED AREA (IN THE FORM OF A CHAMFER) DOWN TO THE LEADING & TRAILING EDGE CENTRE LINES
4. USE A SANDING BLOCK TO ACHIEVE A 'FLOWING' PROFILE AS INDICATED
5. ROUND OFF THE LEADING EDGE & THE WING TIPS

WING MADE FROM 6mm x 100mm MED. BALSA SHEET

ALL FUSELAGE FORMERS FROM 3mm LITEPLY

F2

F1

F3

OUTLINE OF FORWARD FUSELAGE SIDE FROM 3mm BALSA

OUTLINE OF REAR FUSELAGE SIDE FROM 3mm BALSA

8mm WIDE MYLAR HINGE SECURED WITH GLUE AND PINNED

SQUARE-OFF TIP EDGES

FINS FROM 3mm BALSA

ANGLE BOTH FINS OUTWARD AT 100°

NOSE MADE FROM SOLID BALSA

VAC-FORMED CANOPY

CANOPY SECURING SCREW

PROFILE OF RAZORACK AT THIS POINT

'RAZORBACK' MADE FROM LAMINATING 2 x 9mm PIECES OF BALSA SHEET

INFILL PIECE FROM 3mm LITEPLY TO SUPPORT 12G METAL DOWEL

3mm MED. BALSA SHEET X-GRAIN

3mm HARD BALSA

9mm TRIANGLE BALSA F2

BALANCE POINT 75mm FROM L.E. AT WING ROOT

9mm TRIANGLE BALSA

MICRO SERVO

2mm THREADED END PUSHROD

3mm MED. BALSA SHEET X-GRAIN

2200mAh 3S Li-Po

F1 F3 F4 F5

6 x 9mm OBECHI SERVO RAILS

MAKE UP 'Z' BEND CONNECTION TO SERVO

SAW CUTS IN TRIANGLE TO AID BENDING

MICRO RX

ESC

9mm TRIANGLE BALSA

9mm TRIANGLE BALSA

FUSELAGE BOTTOM FROM 3mm HARD BALSA SHEET FROM NOSE TO THIS POINT (LONGITUDINAL SHEETED)

FUSELAGE BOTTOM FROM 3mm MED. BALSA SHEET X-GRAIN