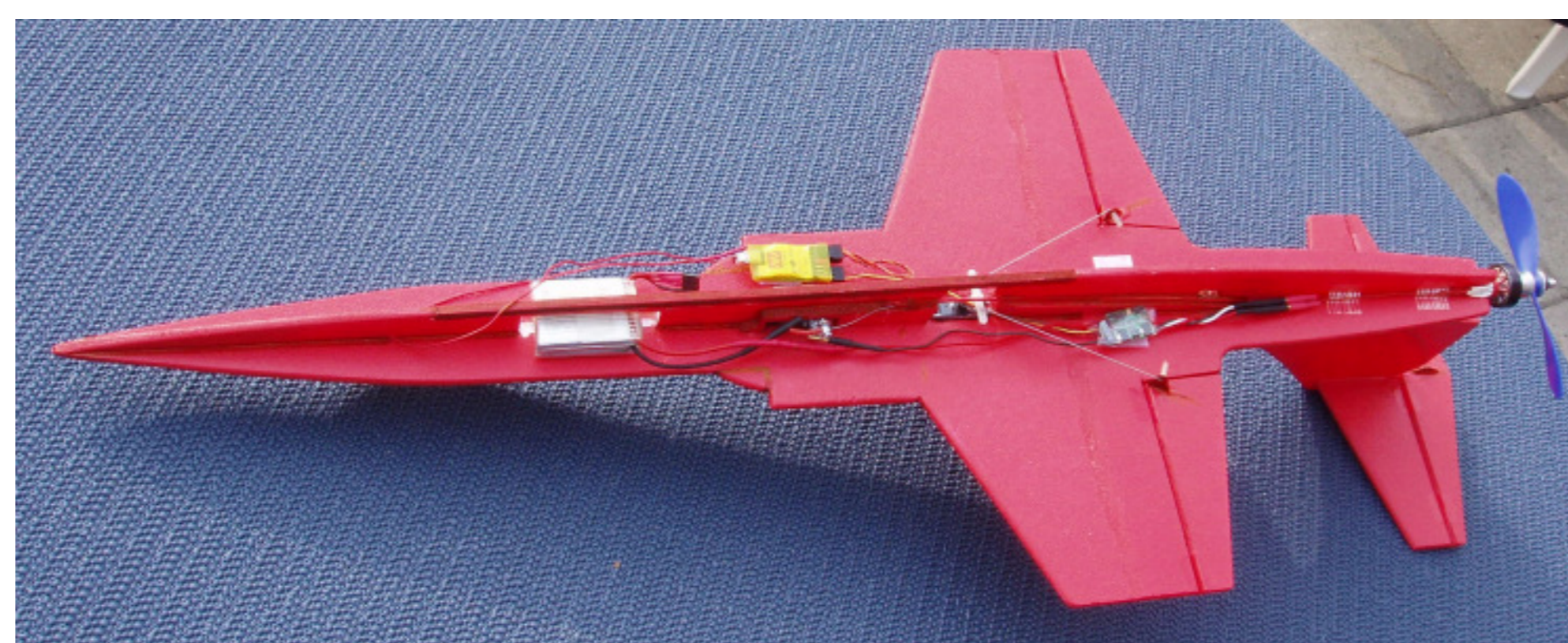




COMPONENT POSITIONS ARE SUGGESTIONS ONLY AS THEY WERE USED IN PROTOTYPE. PLACE SERVO'S AS FAR FORWARD AS PRACTICAL, TO HELP ACHIEVE CORRECT POSITION OF C OF G.



F-104 Starfighter

Material: 5 mm Depron®
 Prototype Power: CD-Rommotor 14turn 0.4 mm + LiPo 3s700 E-Tech
 Propeller: Gunther 125 x 110
 Prototype RTF Weight: 165 grams

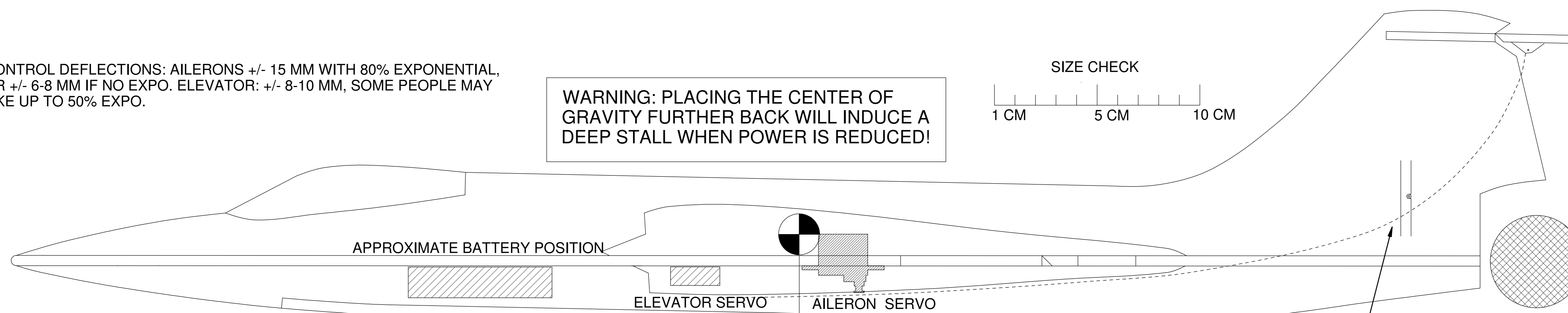
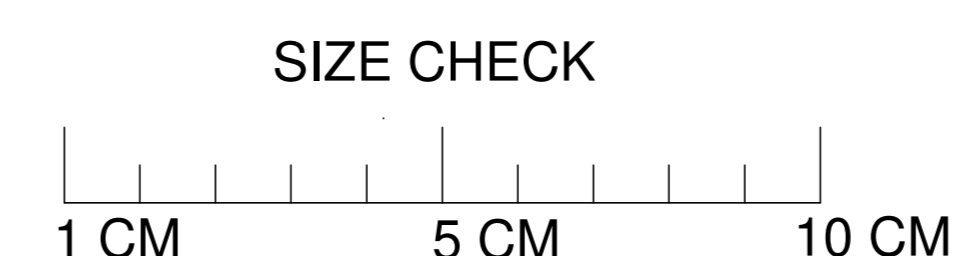
Design and Drawing: Willem Bravenboer
 Sheet #2: Overview, component placement and instructions

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REVISION V 1.2

CONTROL DEFLECTIONS: AILERONS +/- 15 MM WITH 80% EXPONENTIAL, OR +/- 6-8 MM IF NO EXPO. ELEVATOR: +/- 8-10 MM, SOME PEOPLE MAY LIKE UP TO 50% EXPO.

WARNING: PLACING THE CENTER OF GRAVITY FURTHER BACK WILL INDUCE A DEEP STALL WHEN POWER IS REDUCED!

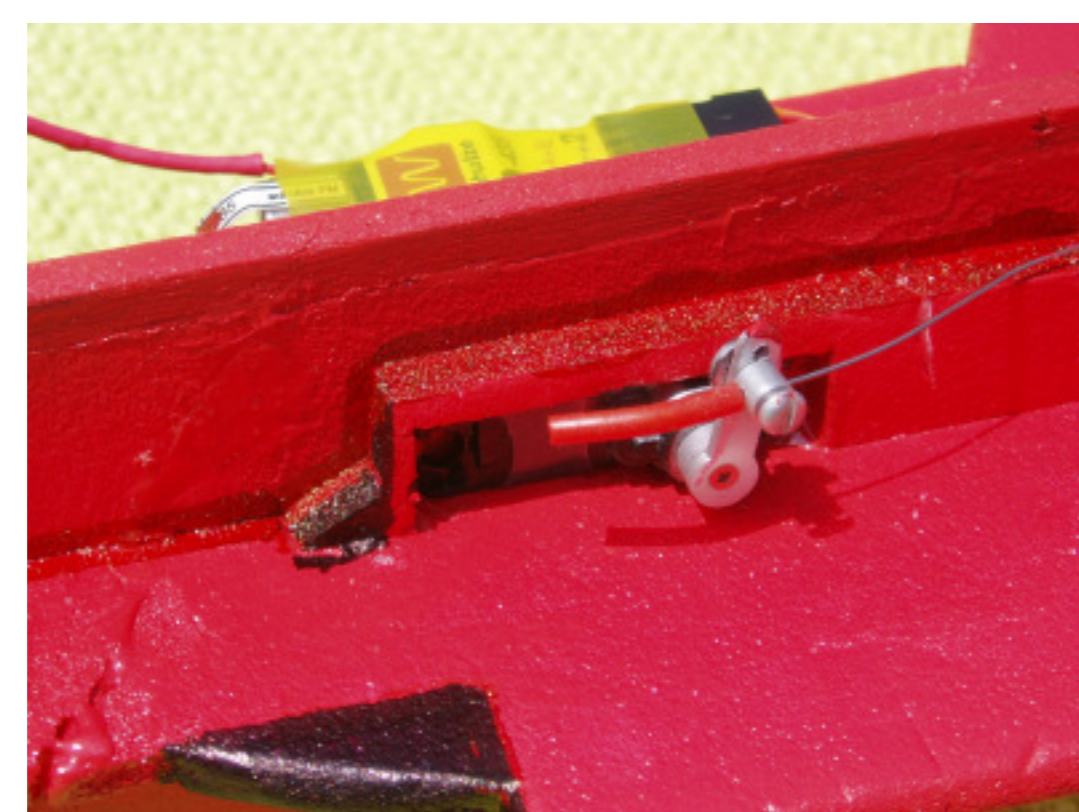


DETERMINE THE BATTERY POSITION ONLY AFTER COMPLETING THE PLANE, I.E. AFTER PAINTING AND INSTALLING RADIO GEAR ETC. THEN CUT THE SLOT FOR THE BATTERY PACK, SLIGHTLY LONGER THAN THE PACK, BUT TRY TO OBTAIN A FAIRLY TIGHT FIT.

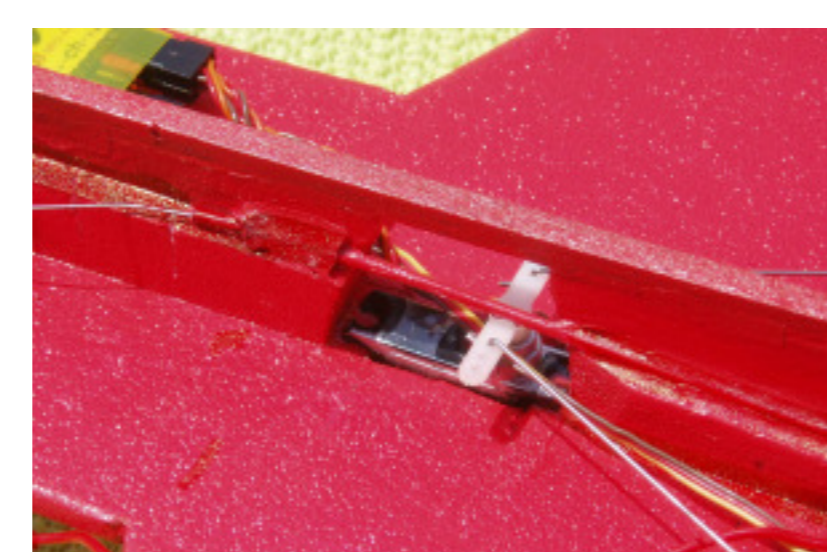
SUGGESTED ROUTING OF ELEVATOR PUSHROD. USE 2 MM X 1 MM OUTER TUBING WITH 0.5 MM PUSHROD. MAKE 2 MM GROOVE INTO ONE SIDE OF DEPRON® AND MOUNT TUBING FLUSH WITH SURFACE.

MOTOR: PROTOTYPE USED CD-ROMMOTOR WITH 14 TURNS OF 0.4 MM WIRE. MOUNT IN YOUR PREFERRED MANNER. EASIEST AND LIGHTEST WAY IS USING TUBE MOUNT. MOTOR USED IS 20 GRAMS.

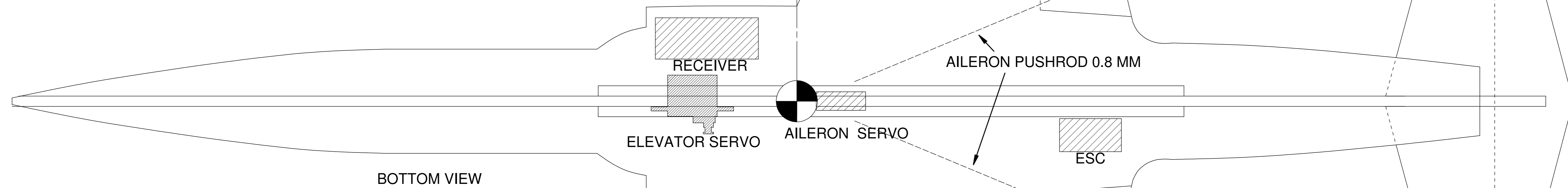
BATTERY USED IN PROTOTYPE: 3S700 E-TECH, WEIGHT IS 52 GRAMS.
 ESC: CASTLE CREATIONS PHOENIX 10
 PROPELLER: GUNTHER 125 X 110



ELEVATOR SERVO DETAIL

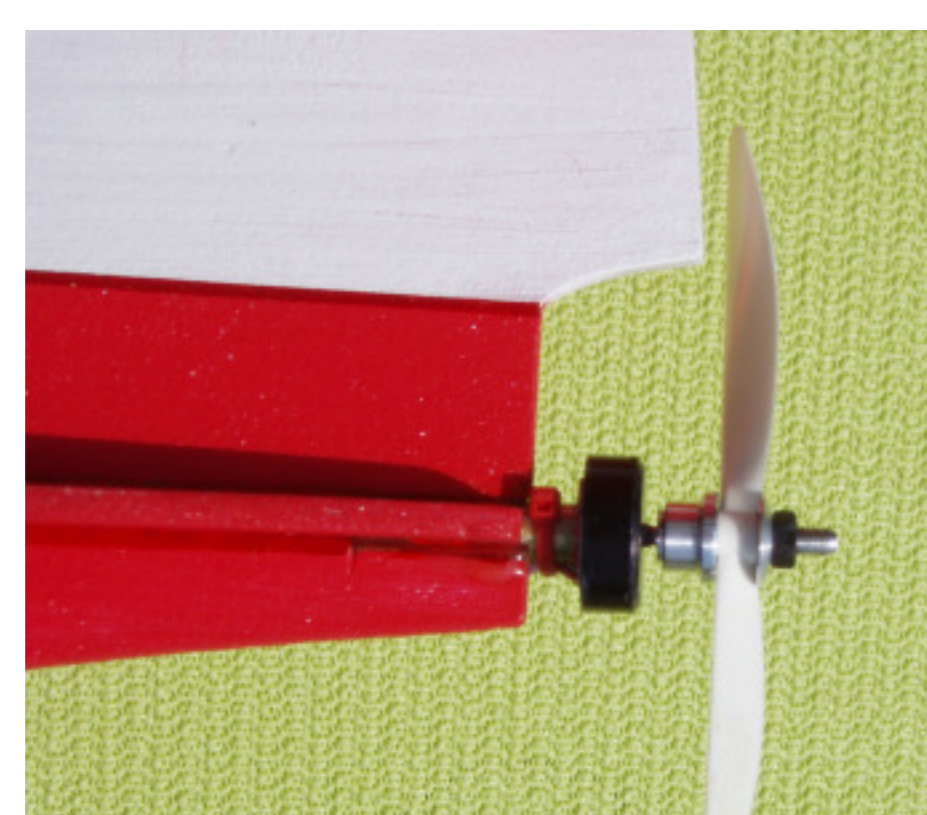


AILERON SERVO DETAIL



BOTTOM VIEW

FLYING: CHECK FOR PROPER SENSE OF CONTROL DEFLECTIONS. CHECK FOR CORRECT C OF G - THIS IS CRITICAL! PERFORM A RADIO RANGE CHECK. THIS IS ALSO CRITICAL BECAUSE OF THE LONG ELECTRICAL WIRING! LAUNCH FIRMLY, NOSE SLIGHTLY UP. THIS MODEL IS RELATIVELY EASY TO FLY, BUT THE SHORT WING SPAN CAN MAKE IT DIFFICULT TO SEE. THIS MODEL IS EXTREMELY STABLE, IT IS SELF-RIGHTING AS IF IT HAD A LARGE WING WITH LOTS OF DIHEDRAL.



MOTOR DETAIL # 1



MOTOR DETAIL # 2