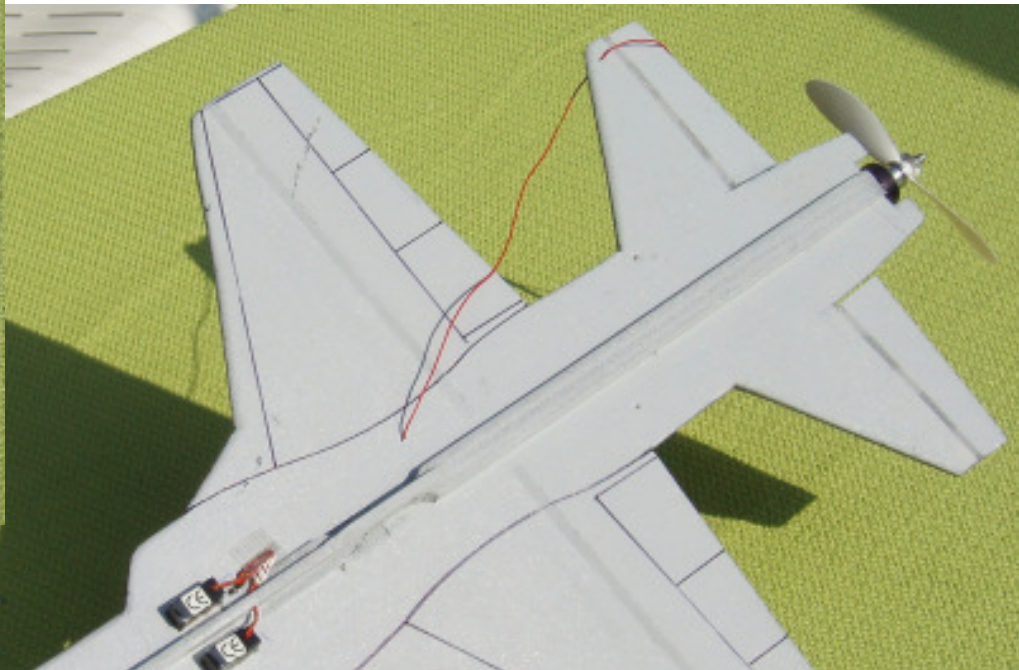
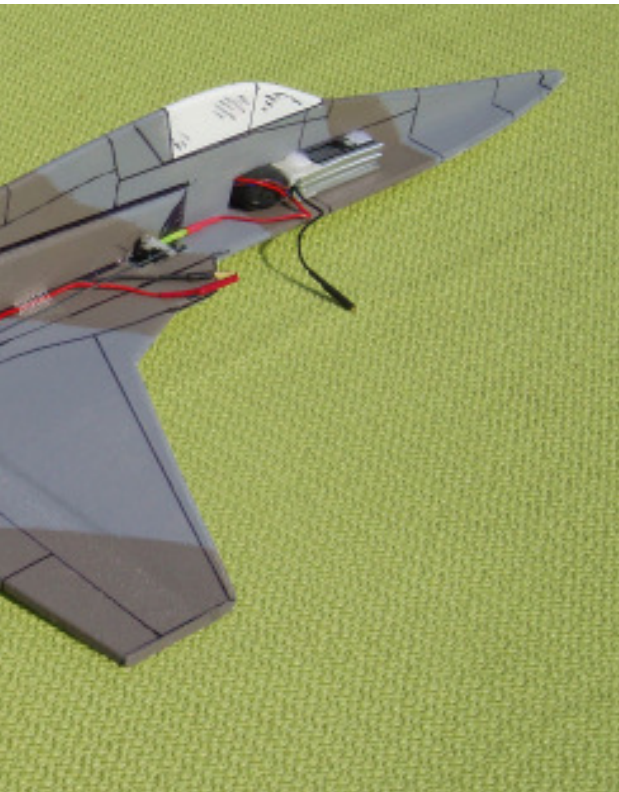


BATTERY USED IN PROTOTYPE: 3S7
ESC: CASTLE CREATIONS PHOENIX
PROPELLER: GUNTHER 125 X 1



(N)F-5 F

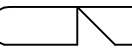
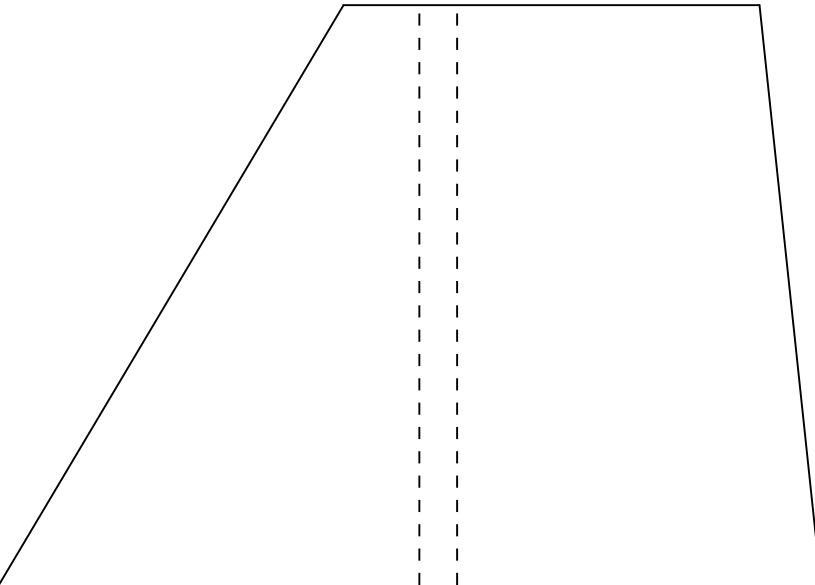
700 KOKAM, WEIGHT IS 52 GRAMS.
NIX 10
10

Material: 5 mm Depron®
Prototype Power: CD-Rommotor 14t
Propeller: Gunther 125 x 110
Prototype RTF Weight: 175 grams

Design and Drawing: Wi
Sheet #2: Overview, con
and instructions

Copyright 2007 Willem Bravenb

REVISION V 1.0 2007-08-04



Freedom Fighter

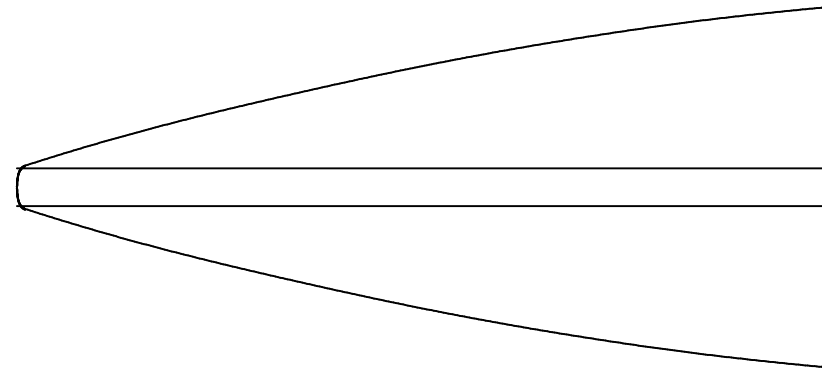
Turn 0.4 mm + LiPo 3s700 Kokam

Illem Bravenboer
Component placement

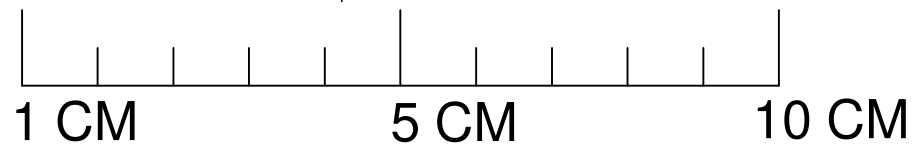
Boer

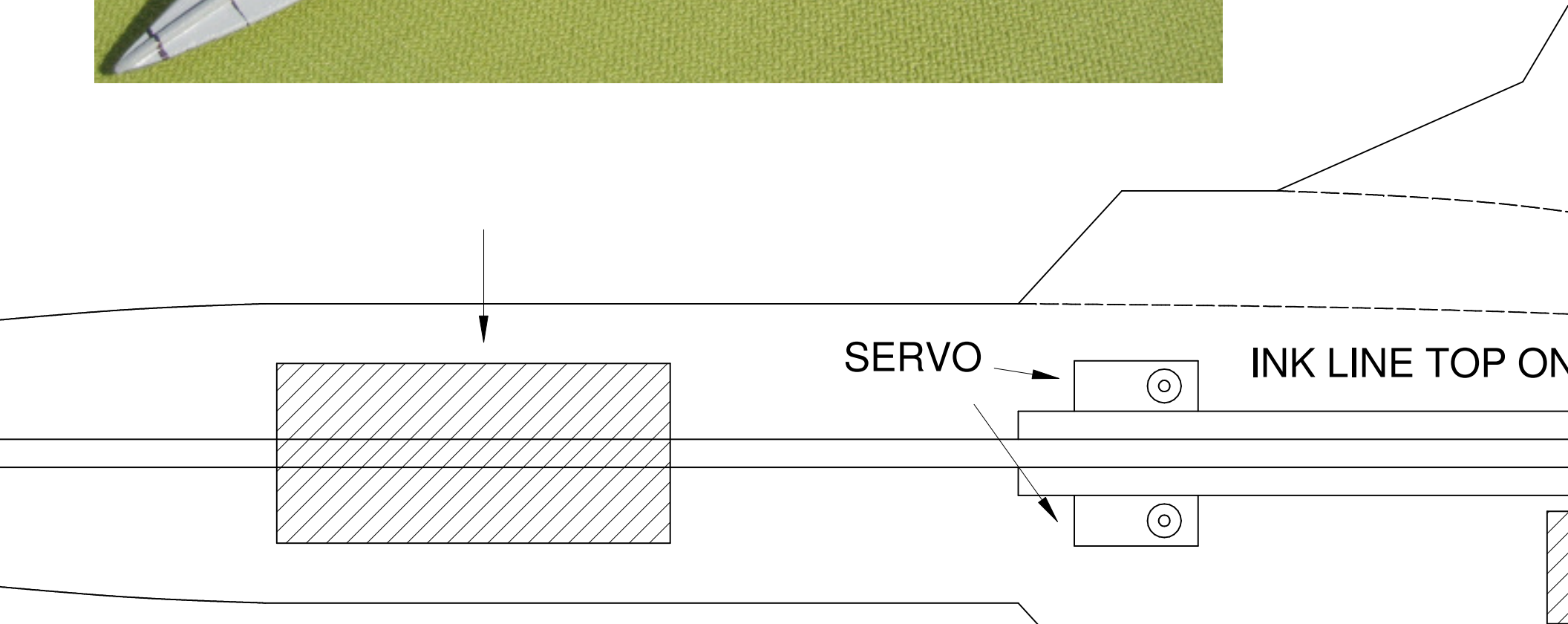
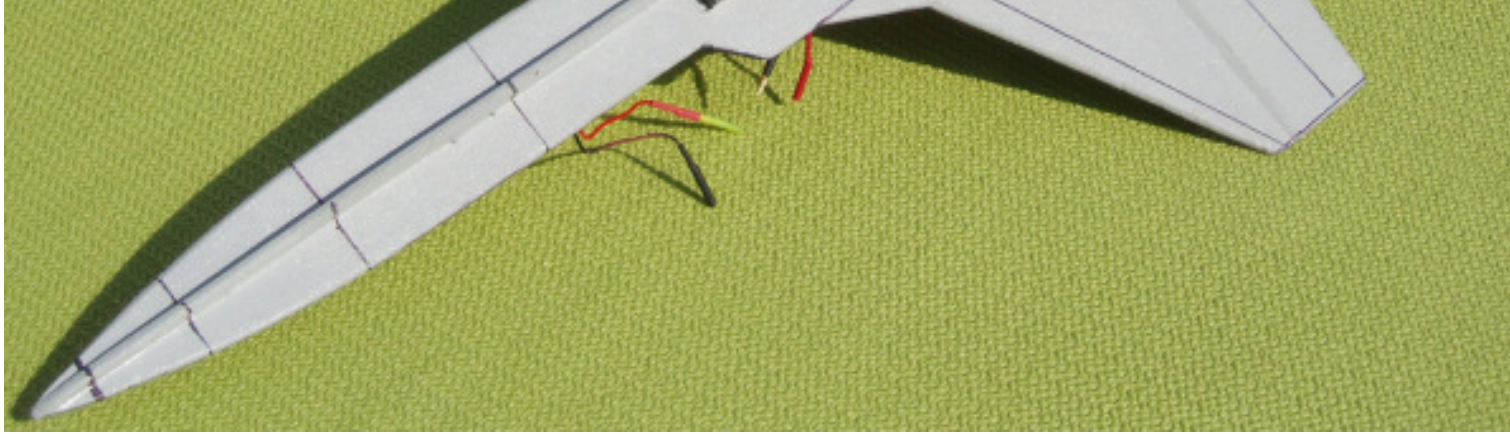


COMPONENT POSITIONS ARE
SUGGESTIONS ONLY AS THEY WERE
USED IN PROTOTYPE. PLACE SERVO'S
AS FAR FORWARD AS PRACTICAL, TO
HELP ACHIEVE CORRECT POSITION
OF C OF G.



SIZE CHECK



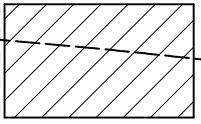


DETERMINE THE BATTERY POSITION ONLY AFTER COMPLETING THE PLANE, I.E. AFTER PAINTING AND INSTALLING RADIO GEAR ETC. THEN CUT THE SLOT FOR THE BATTERY PACK, SLIGHTLY LONGER THAN THE PACK, BUT TRY TO OBTAIN A FAIRLY TIGHT FIT.

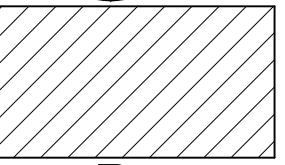
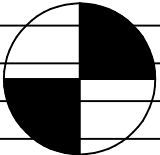
INK LINE TOP AND
BOTTOM



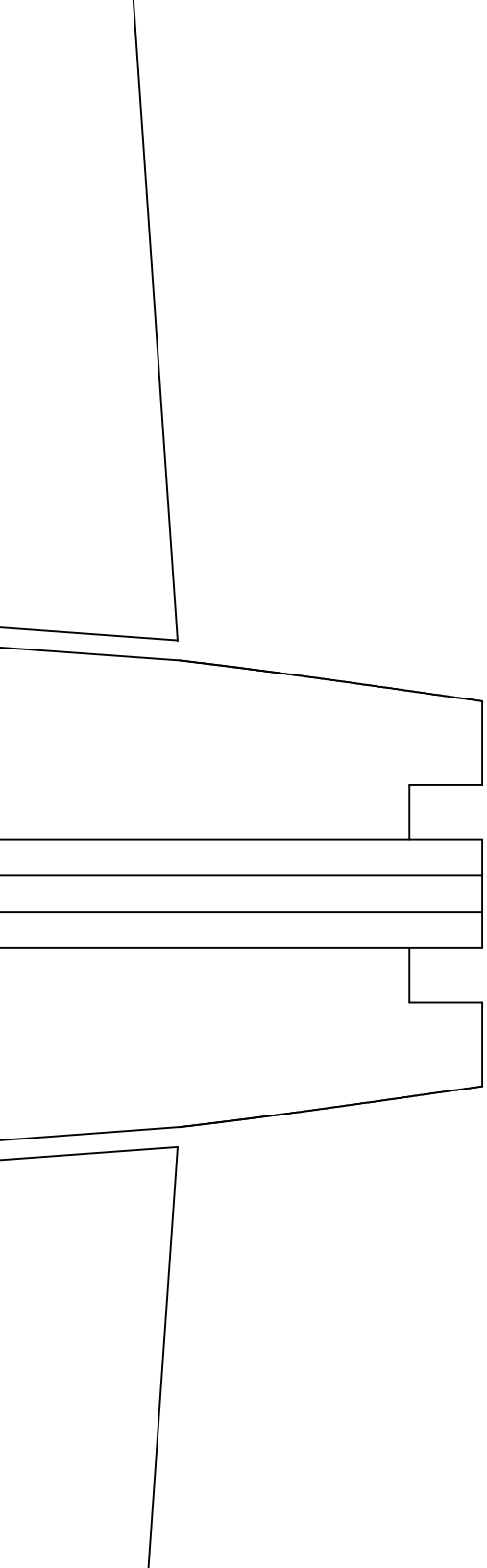
ESC

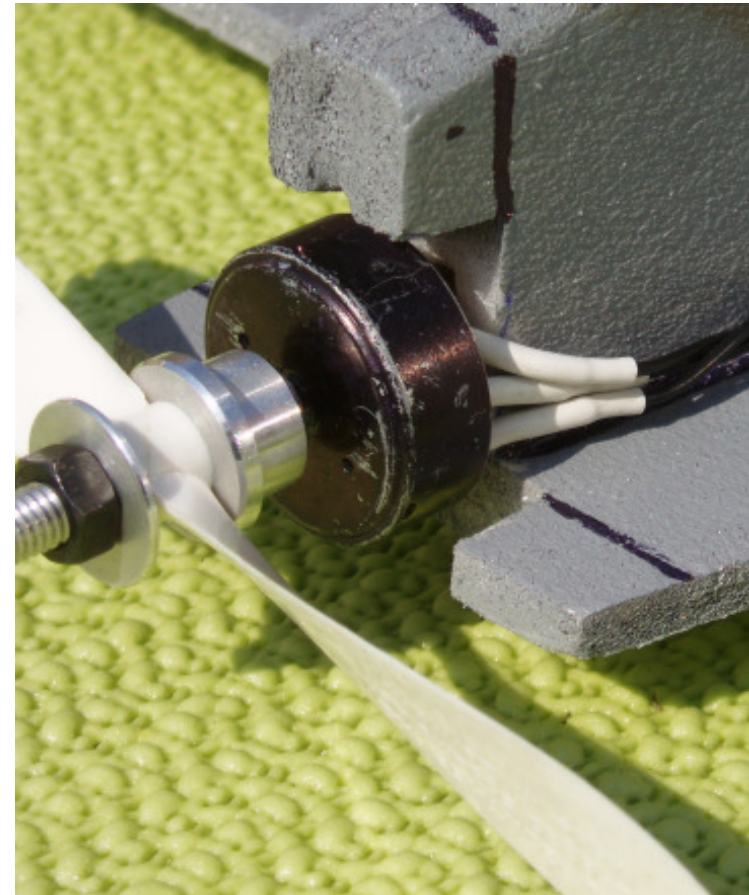


PLY



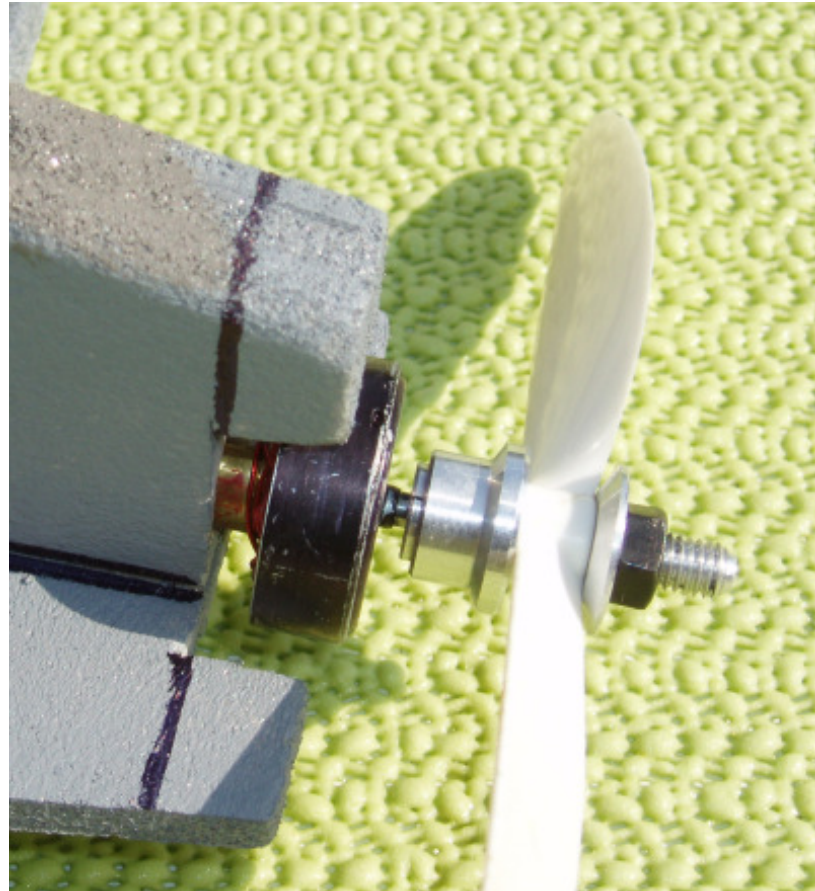
Rx



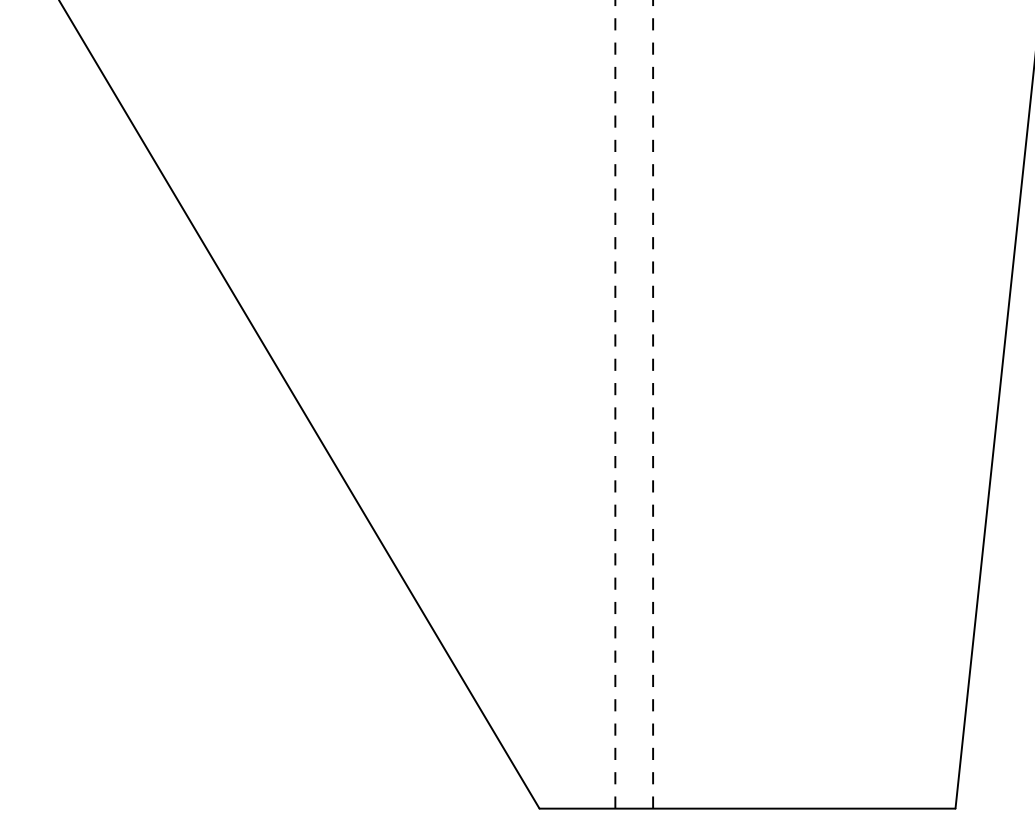


MOTOR DETAIL 1

FLYING: CHECK FOR PROPER
SENSE OF CONTROL DEFLECTIONS.
CHECK FOR CORRECT C OF G.
PERFORM A RADIO RANGE CHECK.
THIS IS CRITICAL BECAUSE OF THE



MOTOR DETAIL 2



CONTROL DEFLECTIONS ON PROTOTYP
(SETTINGS): ELEVATOR FUNCTION +22
EXPONENTIAL, AILERON FUNCTION +2
VERY IMPORTANT: NEUTRAL POSITION

NO AILERONS, USE
ELEVONS (=DELTA)
ON HORIZONTAL

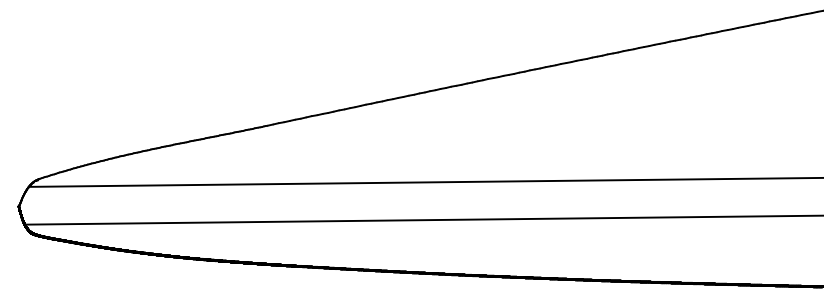


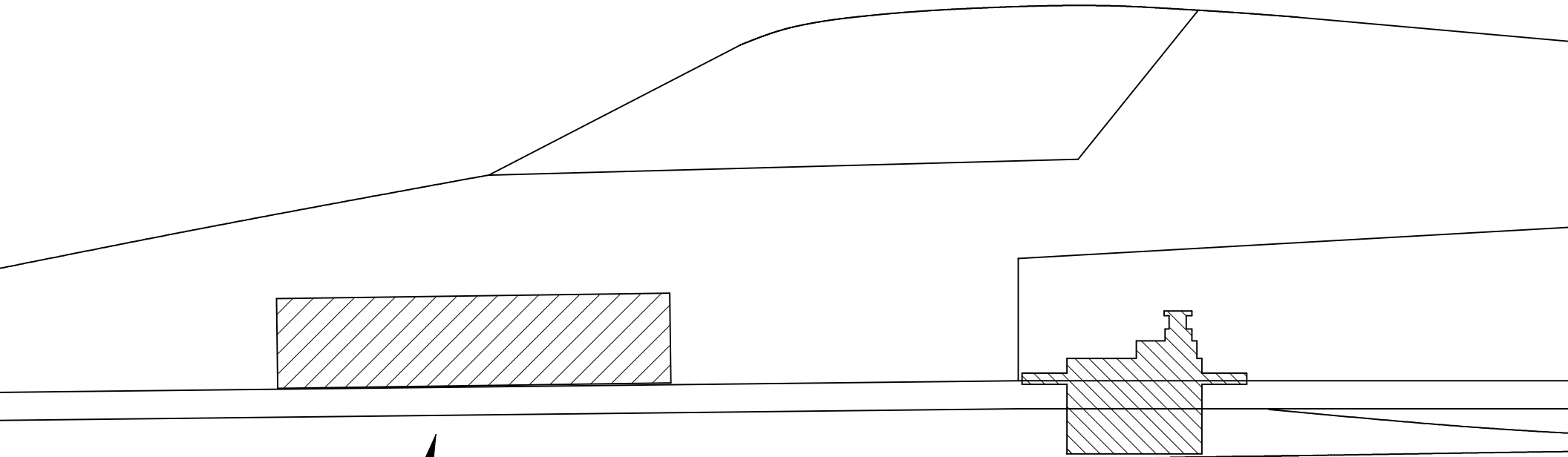
TYPE (ELEVONS USED, SO USE DELTA
MM, -18 MM WITH 50%
24 MM, -20 MM, 50% EXPONENTIAL.
N IS APPROXIMATELY 6 MM UP!

SE ONLY
A MIX FUNCTION
TAIL SURFACES).

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

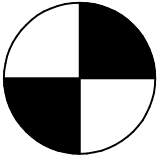
THIS IS CRITICAL BECAUSE OF THE LONG ELECTRICAL WIRING! LAUNCH FIRMLY, NOSE SLIGHTLY UP. THIS MODEL IS RELATIVELY EASY TO FLY, BUT THE SHORT WING SPAN CAN MAKE IT DIFFICULT TO SEE. THIS MODEL IS EXTREMELY STABLE, IT IS SELF-RIGHTING AS IF IT HAD A LARGE WING WITH LOTS OF DIHEDRAL.





APPROXIMATE BATTERY POSITION

REAR VIEW



LIGHTEST WAY IS USING TUBE
MOUNT. MOTOR USED IS 20 GRAMS.

