

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

(N)F-5 Fre

Material: 5 mm Depron®

Prototype Power: CD-Rommotor 14turn 0.4

Propeller: Gunther 125 x 110

Prototype RTF Weight: 175 grams

Design and Drawing: Willem
Sheet #2: Overview, compon
and instructions

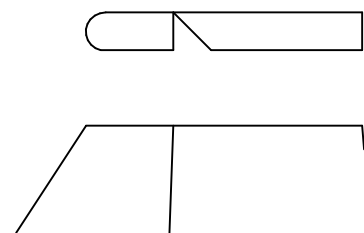
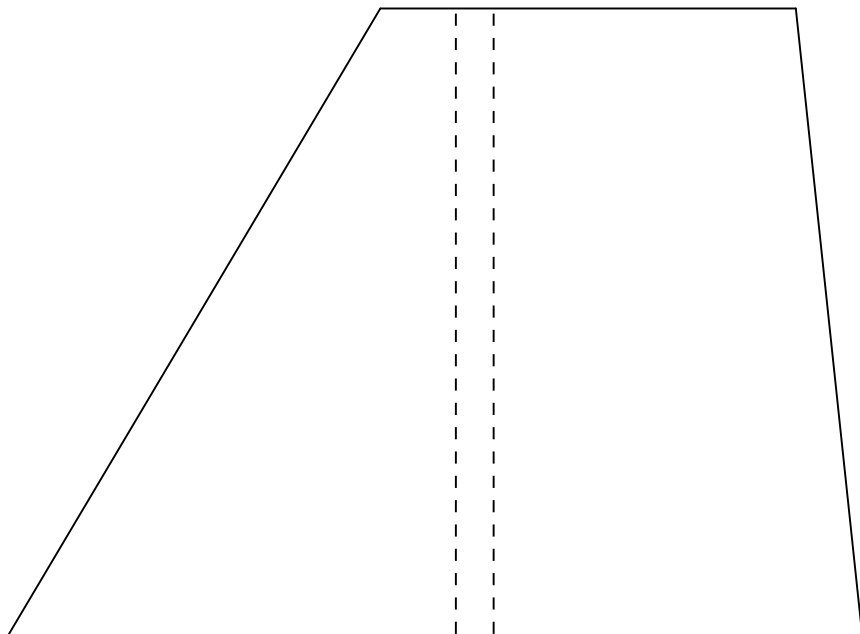
Copyright 2007 Willem Bravenboer

REVISION V 1.0 2007-08-04

700 KOKAM, WEIGHT IS 52 GRAMS.

NIX 10

10

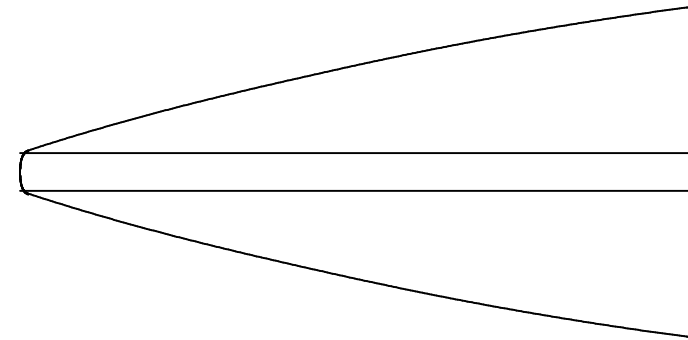


Freedom Fighter

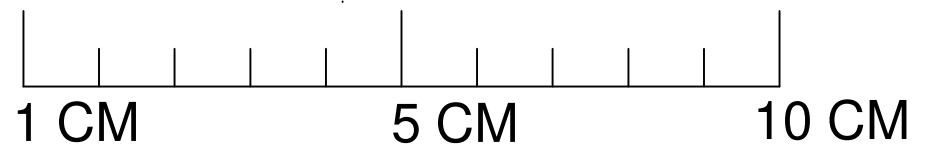
mm + LiPo 3s700 Kokam

Bravenboer
ent placement

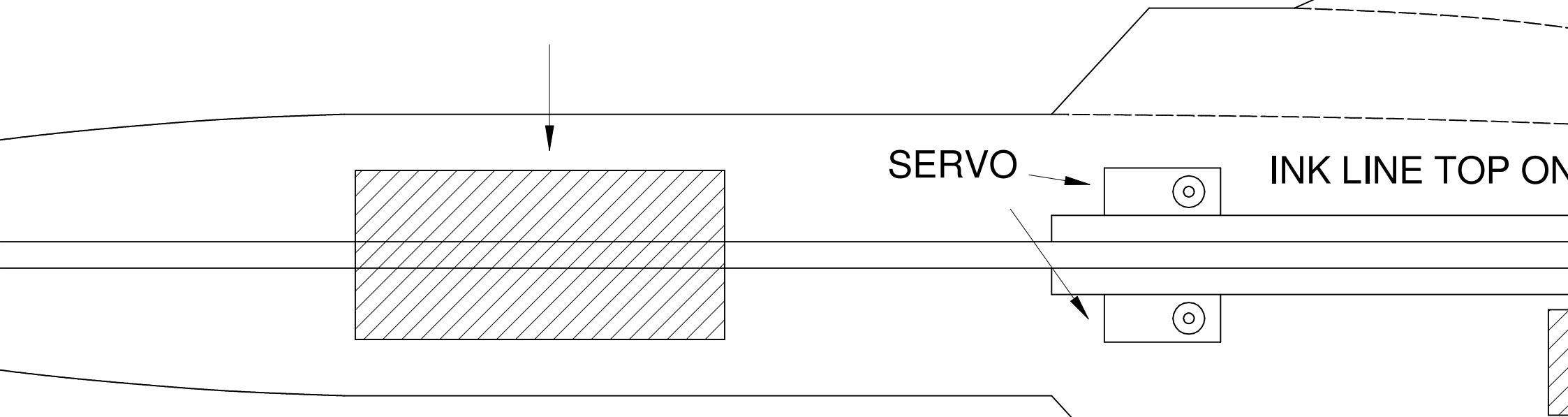
COMPONENT POSITIONS ARE
SUGGESTIONS ONLY AS THEY WERE
USED IN PROTOTYPE. PLACE SERV
AS FAR FORWARD AS PRACTICAL,
HELP ACHIEVE CORRECT POSITION
OF C OF G.



SIZE CHECK



RE
VO'S
TO
N

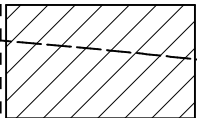


DETERMINE THE BATTERY POSITION ONLY AFTER COMPLETING THE PLANE, I.E. AFTER PAINTING AND INSTALLING RADIO GEAR ETC. THEN CUT THE SLOT FOR THE BATTERY PACK, SLIGHTLY LONGER THAN THE PACK, BUT TRY TO OBTAIN A FAIRLY TIGHT FIT.

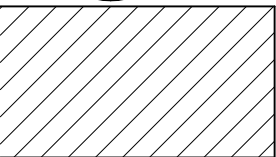
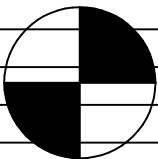
INK LINE TOP AND
BOTTOM



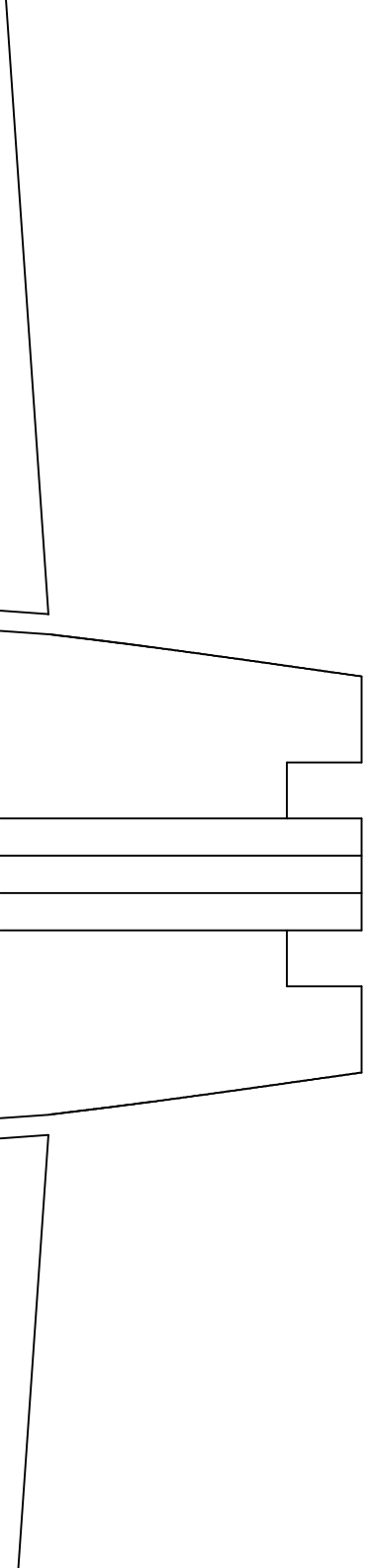
ESC

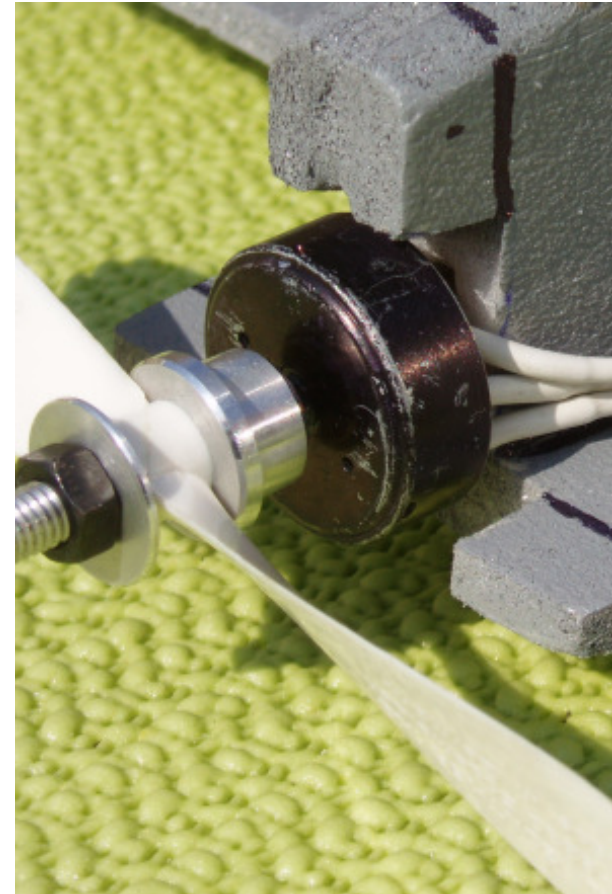


ONLY



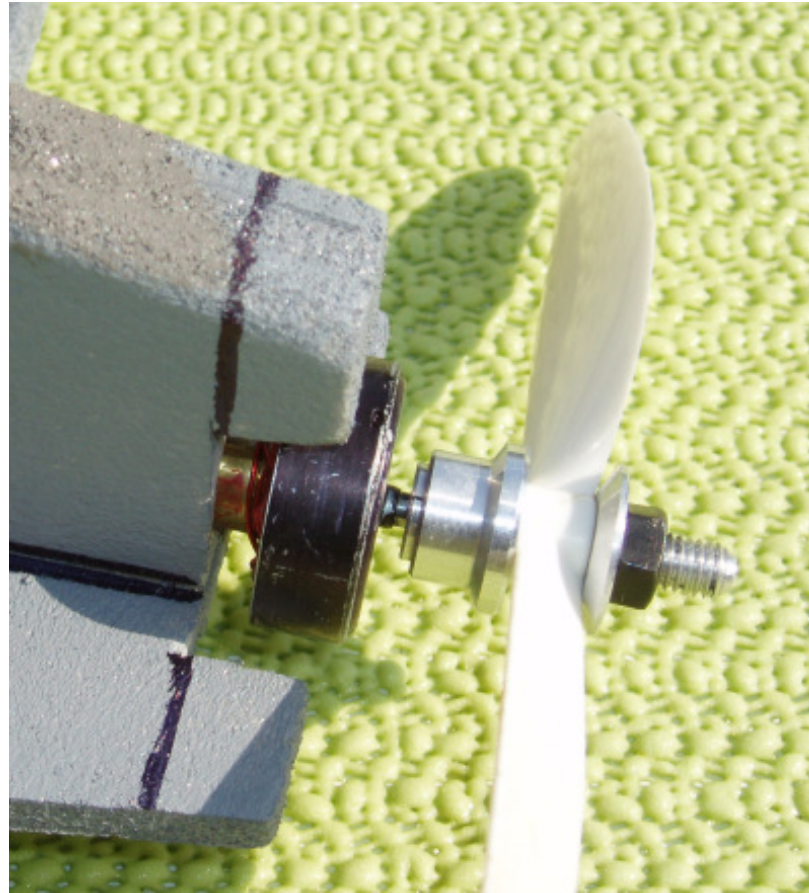
Rx





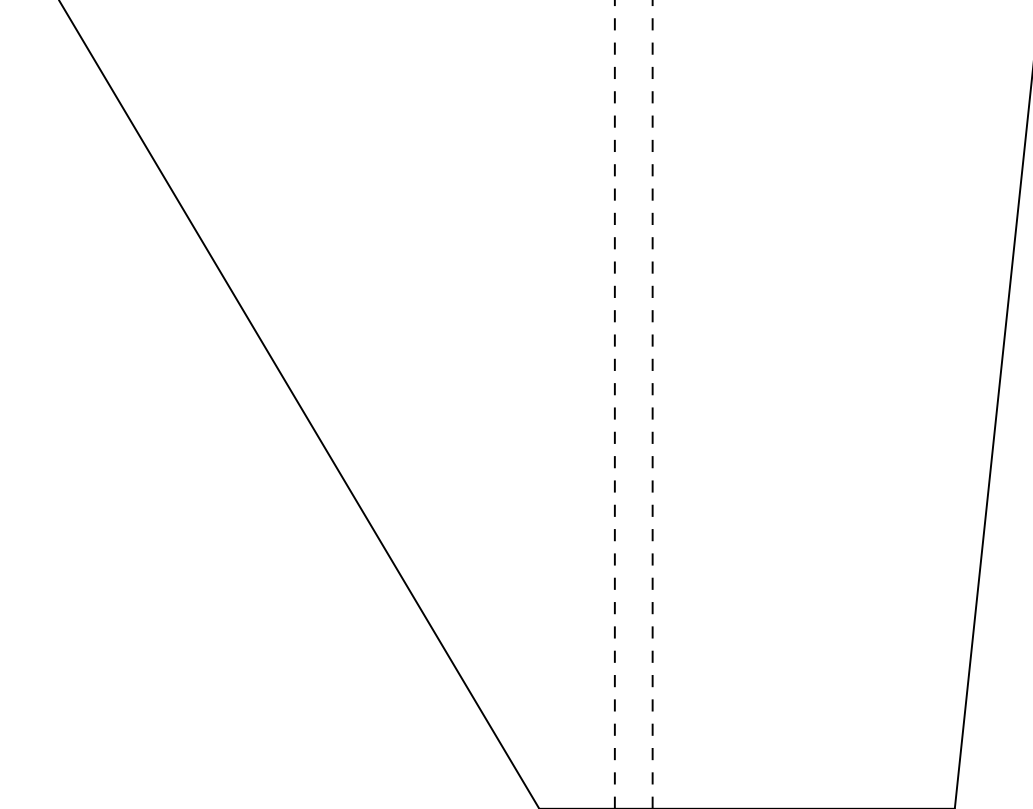
MOTOR DETAIL 1

FLYING: CHECK FOR PROPER
SENSE OF CONTROL DEFLECTIONS.
CHECK FOR CORRECT C OF G.
PERFORM A RADIO RANGE CHECK.



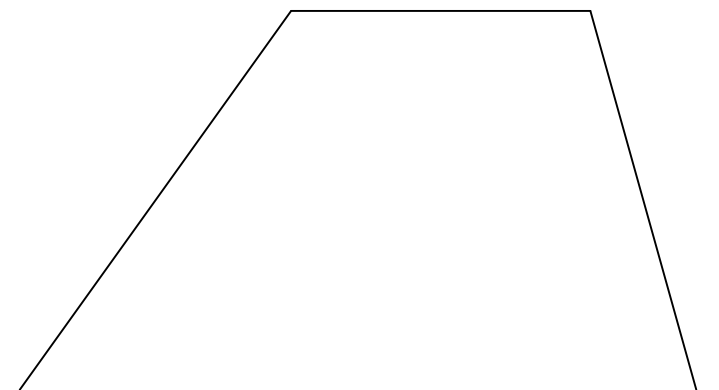
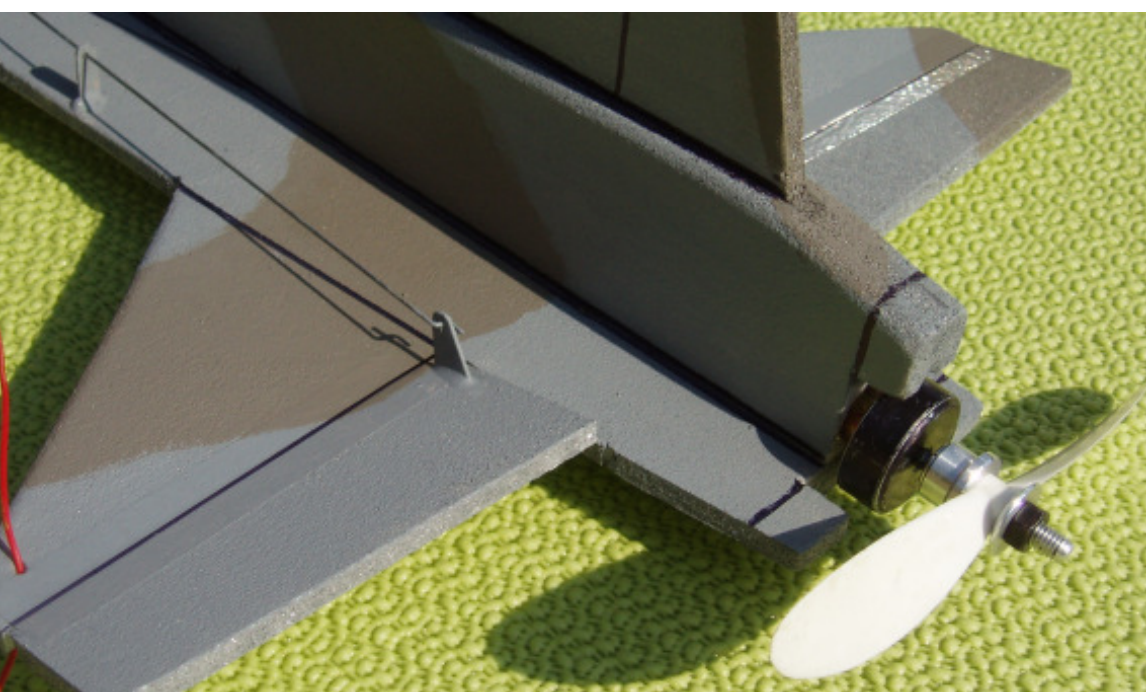
MOTOR DETAIL 2





CONTROL DEFLECTIONS ON PROTOTYPE (IN
SETTINGS): ELEVATOR FUNCTION +22 MM,
EXponential, AILERON FUNCTION +24 MM
VERY IMPORTANT: NEUTRAL POSITION IS A

NO AILERONS, USE ON
ELEVONS (=DELTA MIX
ON HORIZONTAL TAIL S

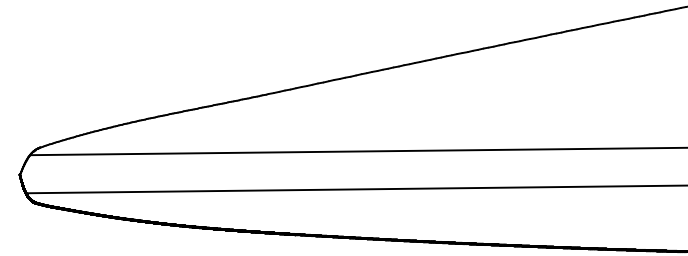


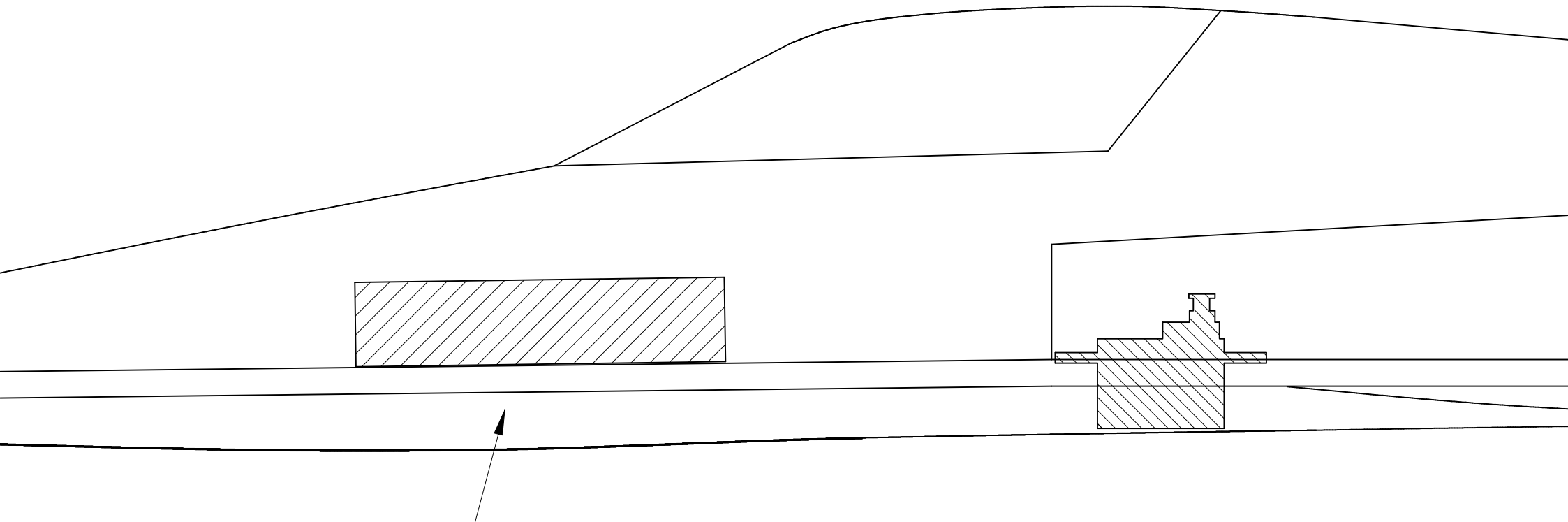
ELEVONS USED, SO USE DELTA
-18 MM WITH 50%
I, -20 MM, 50% EXPONENTIAL.
APPROXIMATELY 6 MM UP!

LY
FUNCTION
SURFACES).

MOTOR: PROTOTYPE USED
CD-ROMMOTOR WITH 14 TURNS OF
0.4 MM WIRE. MOUNT IN YOUR
PREFERRED MANNER. EASIEST AND

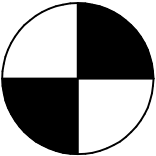
THIS IS CRITICAL BECAUSE OF THE LONG ELECTRICAL WIRING! LAUNCH FIRMLY, NOSE SLIGHTLY UP. THIS MODEL IS RELATIVELY EASY TO FLY, BUT THE SHORT WING SPAN CAN MAKE IT DIFFICULT TO SEE. THIS MODEL IS EXTREMELY STABLE, IT IS SELF-RIGHTING AS IF IT HAD A LARGE WING WITH LOTS OF DIHEDRAL.





APPROXIMATE BATTERY POSITION

REAR VIEW



PREFERRED MANNER. EASIEST AND
LIGHTEST WAY IS USING TUBE
MOUNT. MOTOR USED IS 20 GRAMS.

