



COMPONENT POSITION
SUGGESTIONS ONLY
USED IN PROTOTYPE
AS FAR FORWARD AS
HELP ACHIEVE CORR
OF C OF G.

IONS ARE
AS THEY WERE
. PLACE SERVO'S
S PRACTICAL, TO
ECT POSITION





F-104 Starfighter

Material: 5 mm Depron®

Prototype Power: CD-Rommotor 14turn 0.4 mm + LiPo 3s700 E-Tech

Propeller: Gunther 125 x 110

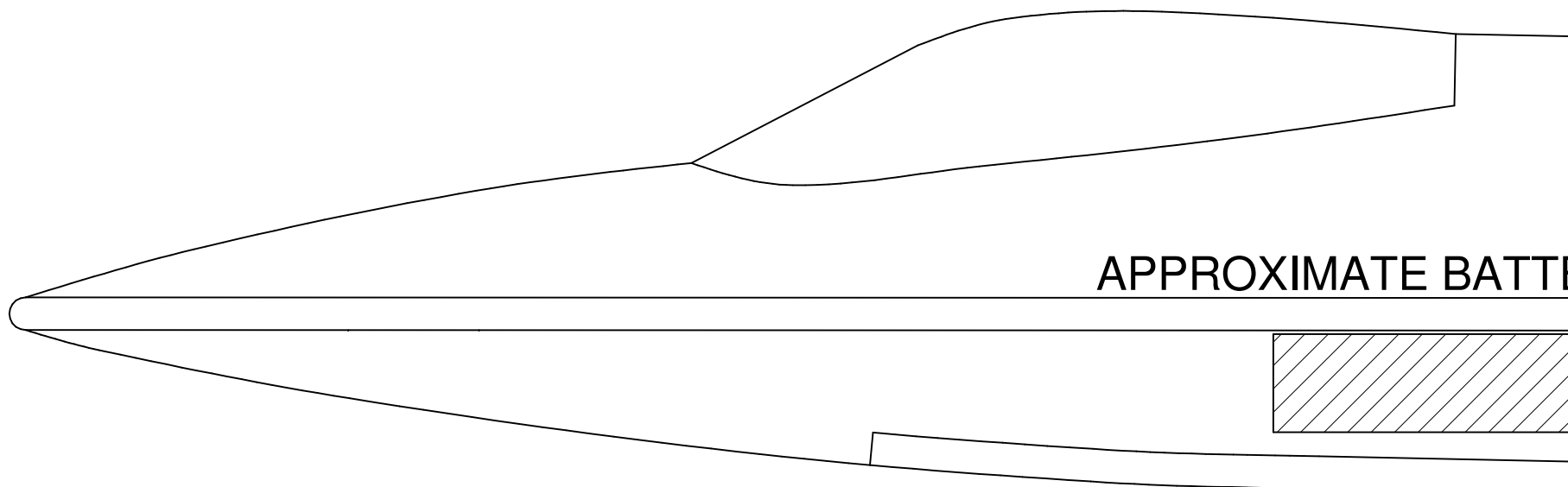
Prototype RTF Weight: 165 grams

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

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REVISION V 1.1

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.

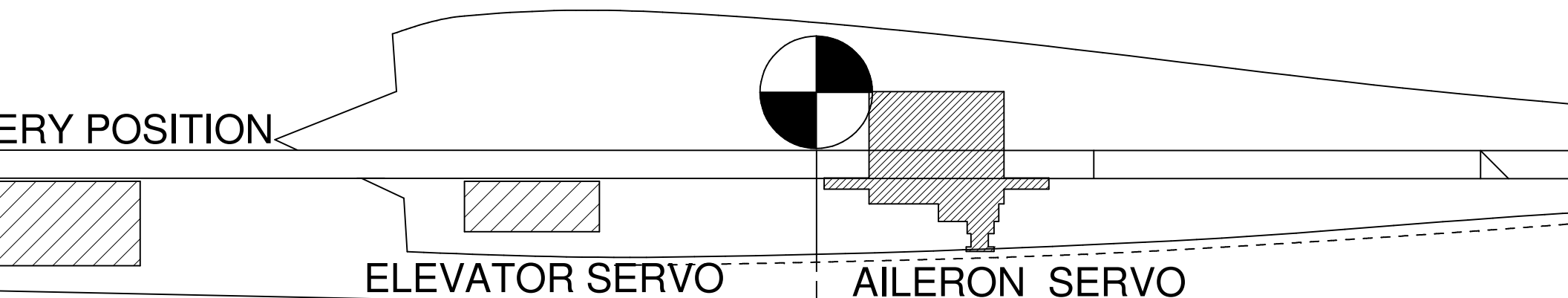
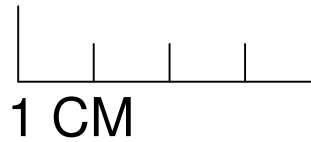


DETERMINE THE BATTERY
AFTER COMPLETING THE
PAINTING AND INSTALLING
THEN CUT THE SLOT FOR
PACK, SLIGHTLY LONGER
BUT TRY TO OBTAIN A FA



SIZ

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



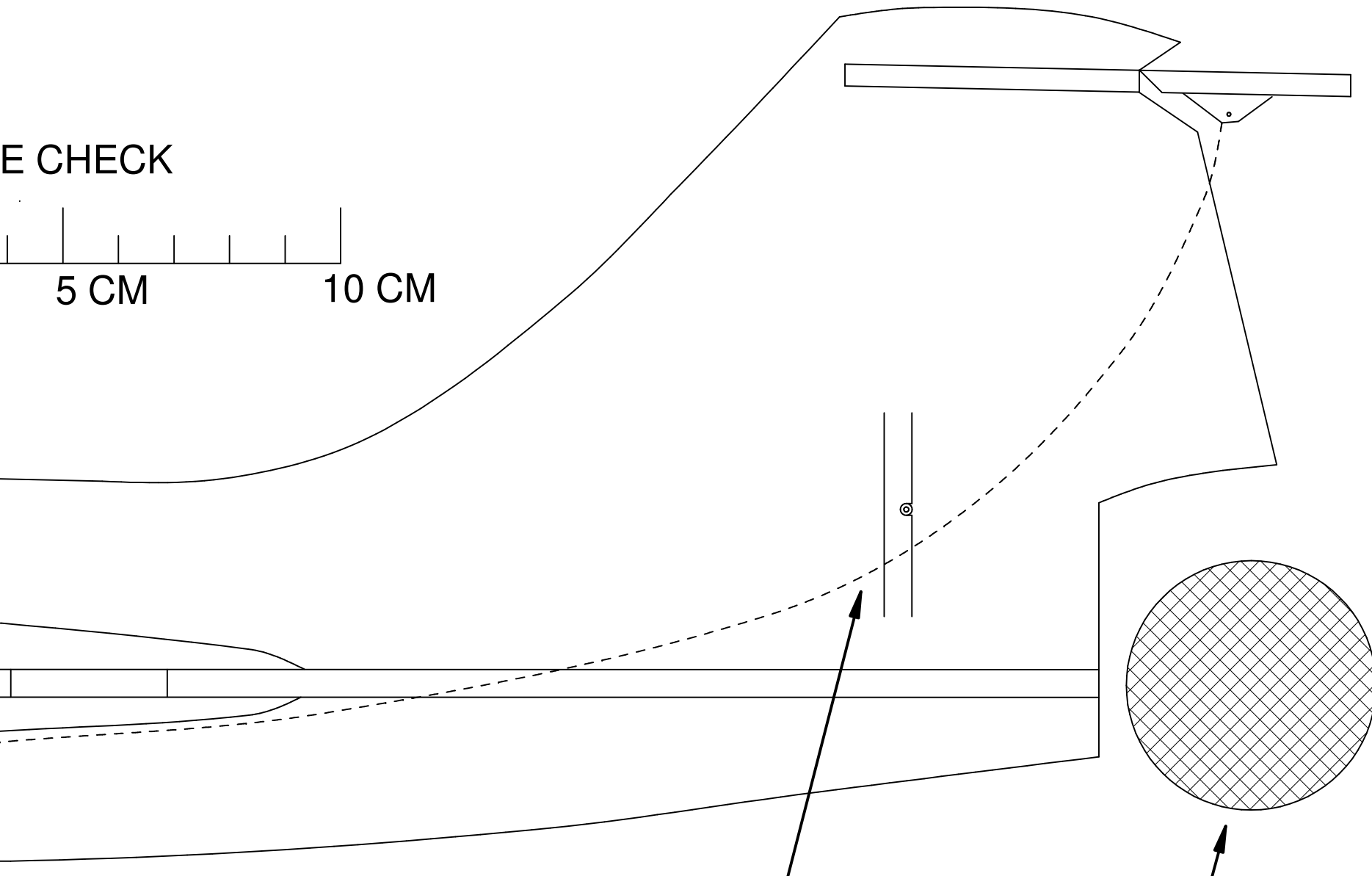
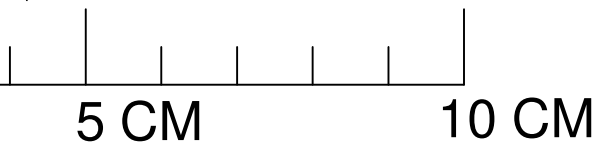
ERY POSITION

ELEVATOR SERVO

AILERON SERVO

RY POSITION ONLY
E PLANE, I.E. AFTER
NG RADIO GEAR ETC.
R THE BATTERY
R THAN THE PACK,
AIRLY TIGHT FIT.

E CHECK



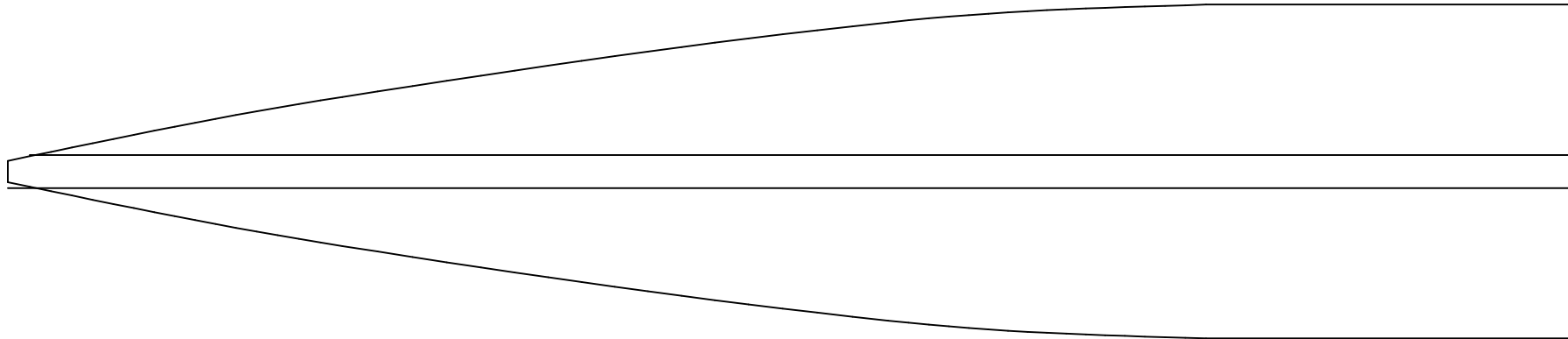
SUGGESTED ROUTING OF ELEVATOR
PUSHROD. USE 2 MM X 1 MM OUTER
TUBING WITH 0.5 MM PUSHROD. MAKE 2
MM GROOVE INTO ONE SIDE OF DEPRON®
AND MOUNT TUBING FLUSH WITH
SURFACE.

MOTOR: USE CD-ROMMOTOR WITH



AILERON

ELEVATOR SERVO DETAIL

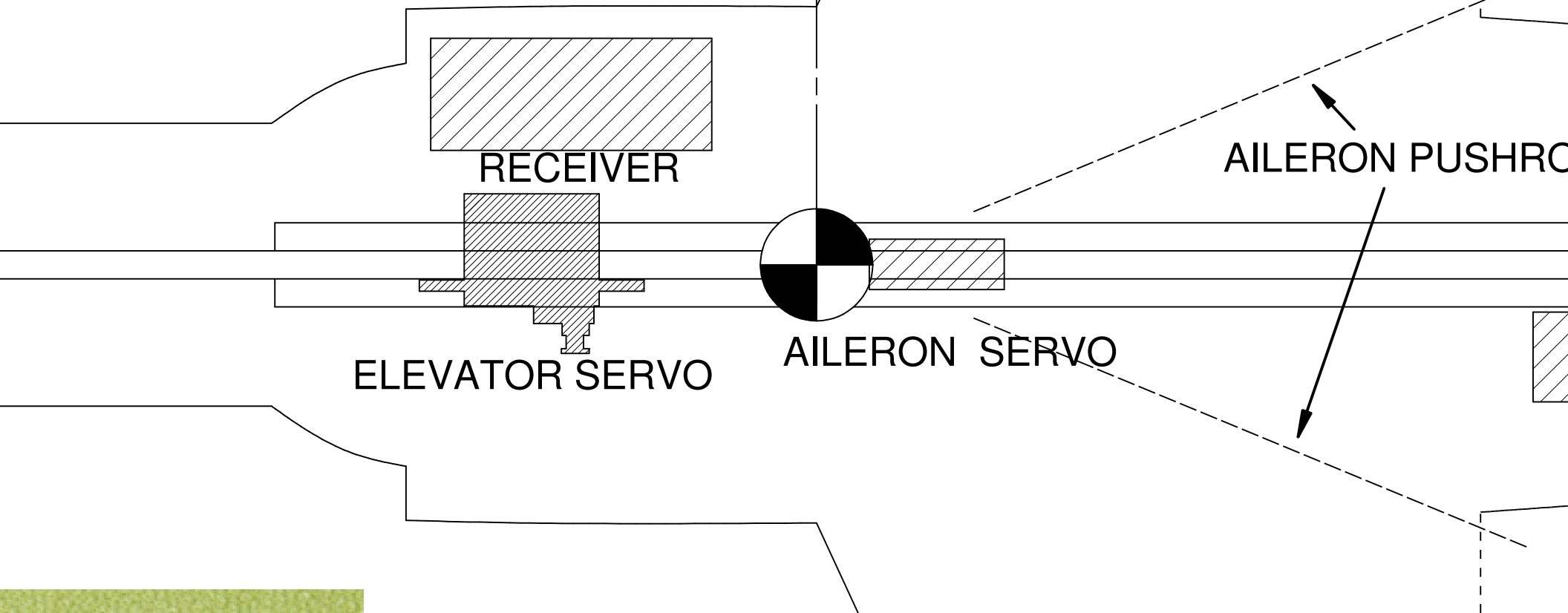


BOTTOM VIEW





SERVO DETAIL



ELEVATOR SERVO

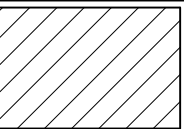
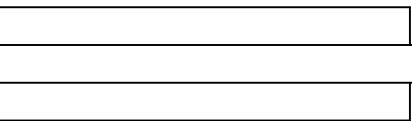
AILERON SERVO

AILERON PUSHROD

14 TURNS OF 0.4 MM WIRE. MOUNT
IN YOUR PREFERRED MANNER.
EASIEST AND LIGHTEST WAY IS
USING TUBE MOUNT.

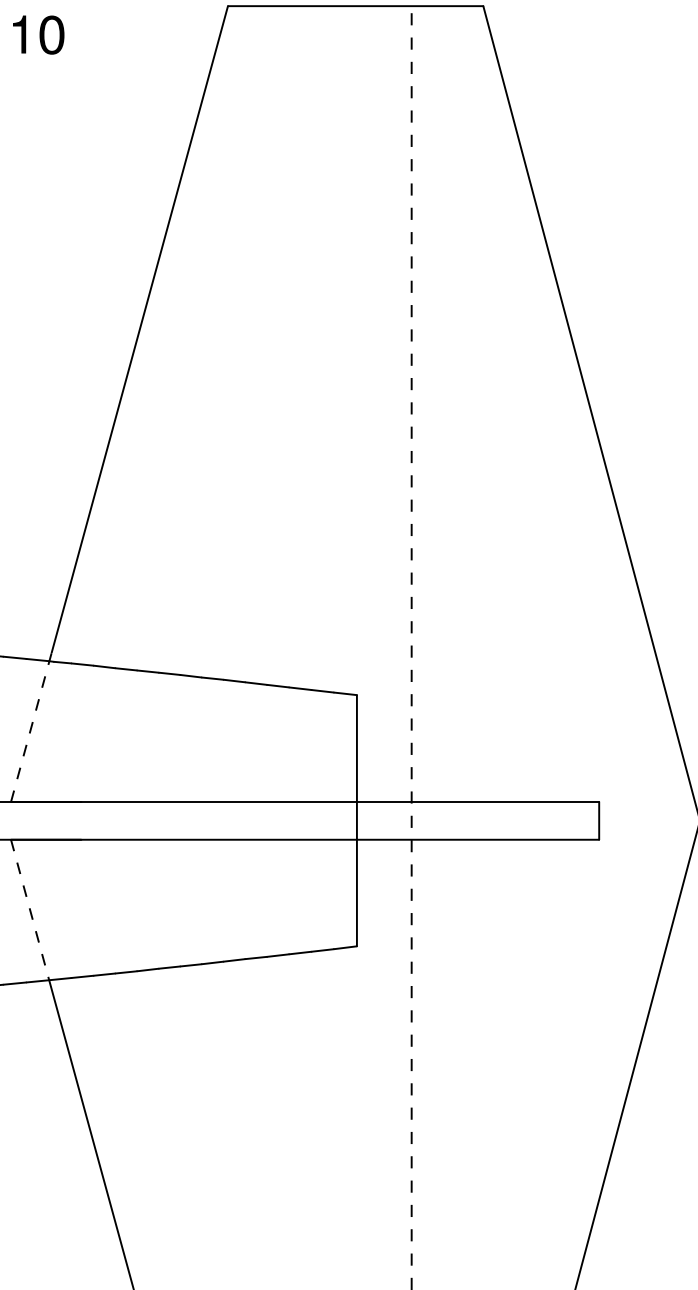
BATTERY USED IN PROTOTYPE: 3S700 E-TECH
ESC: CASTLE CREATIONS PHOENIX 10
PROPELLER: GUNTHER 125 X 110

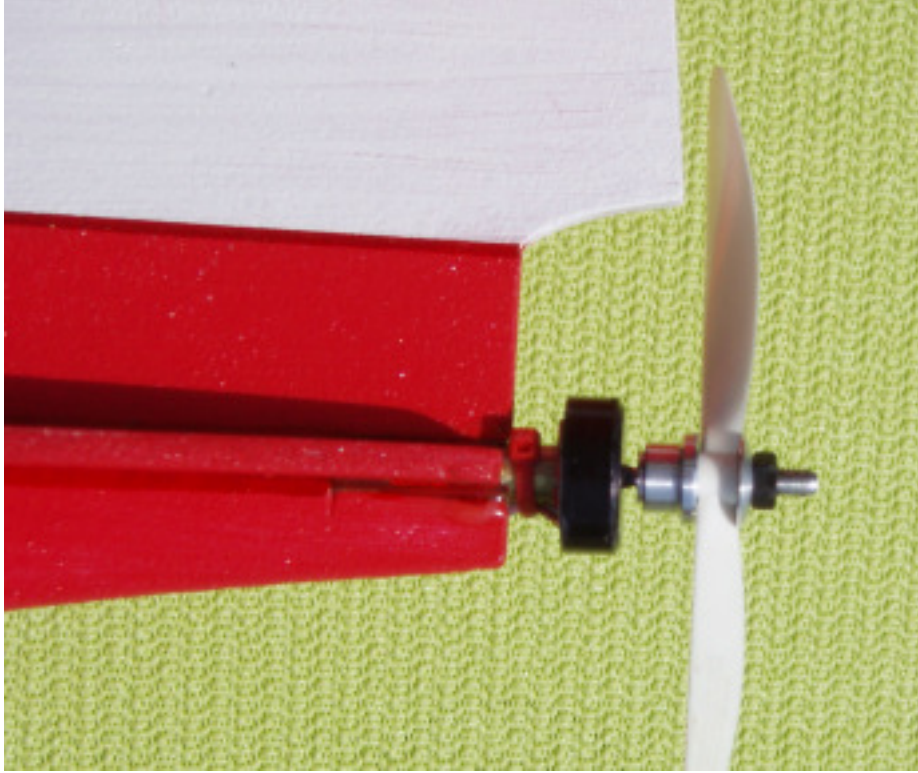
OD 0.8 MM



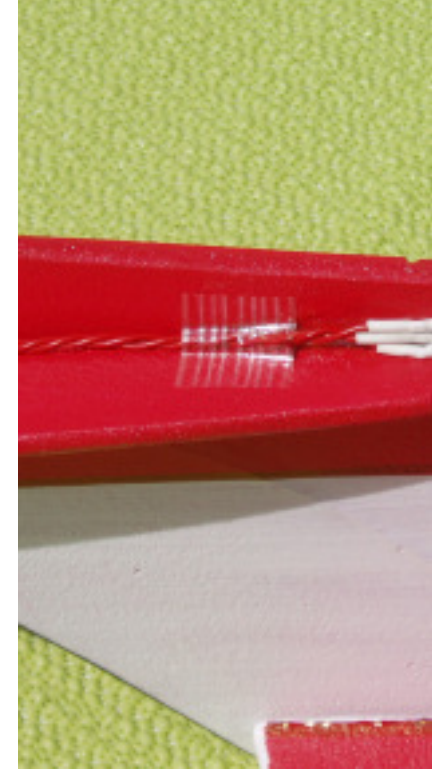
ESC

FLYING: CHECK FOR PROPER





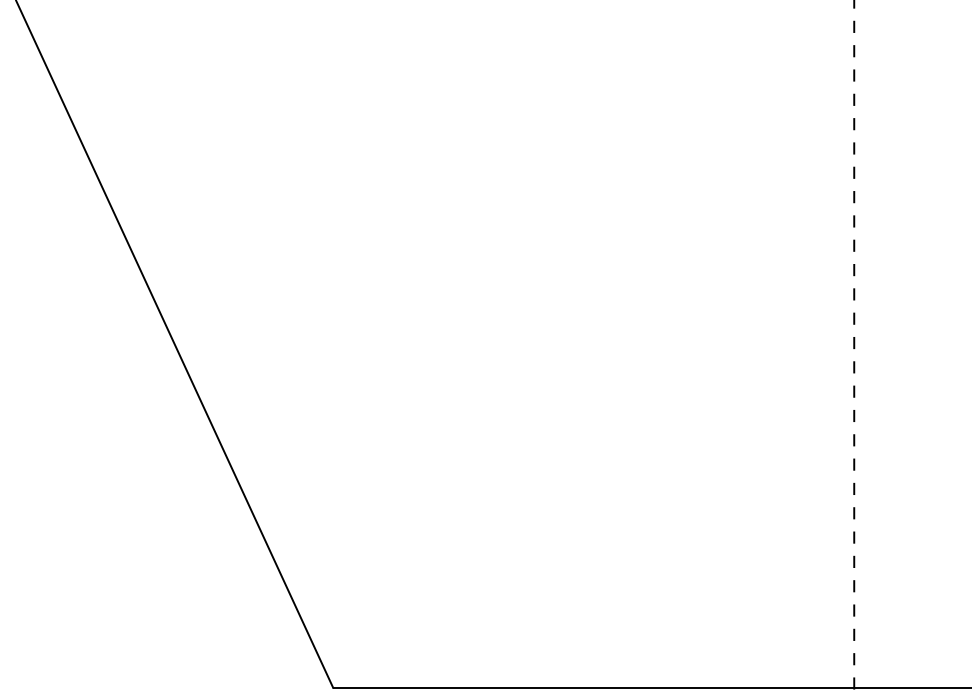
MOTOR DETAIL # 1



MOTOR DETAIL # 2



2



FLYING: CHECK FOR PROPER
SENSE OF CONTROL DEFLECTIONS.
CHECK FOR CORRECT C OF G - THIS
IS CRITICAL! PERFORM A RADIO
RANGECHECK. 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.

