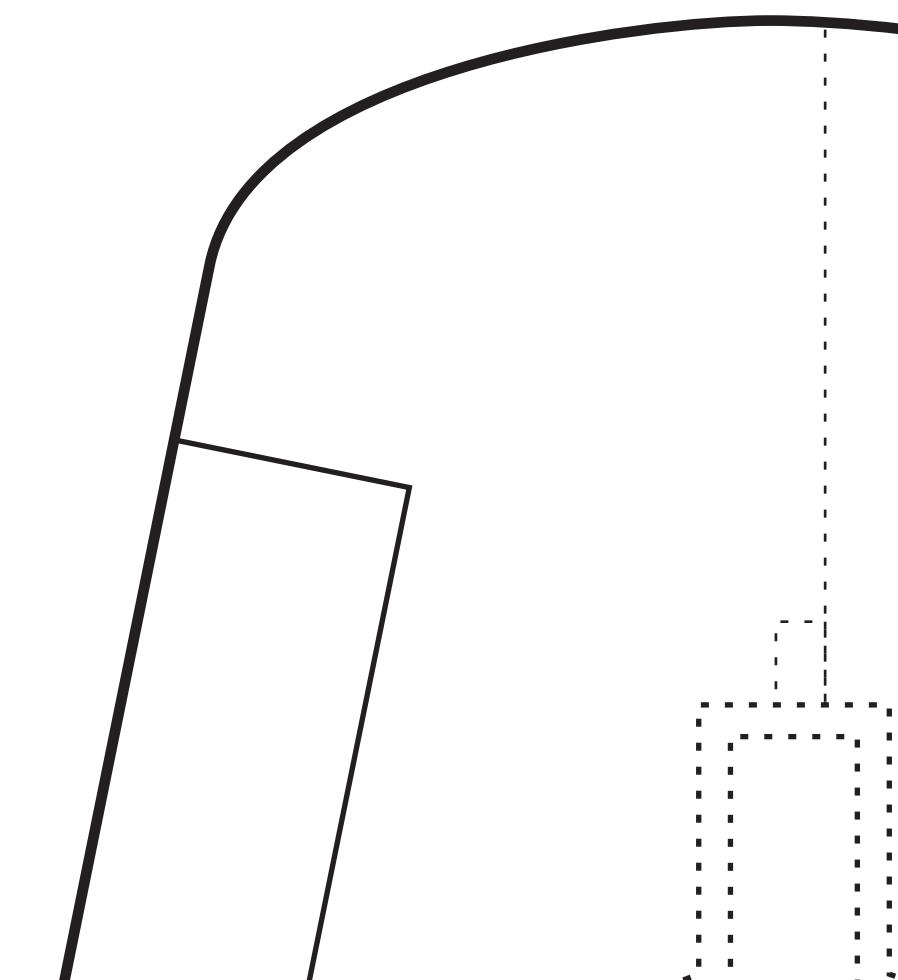


kay, 20+ oz at 10+amps

foam 88 - 5mm sheets.



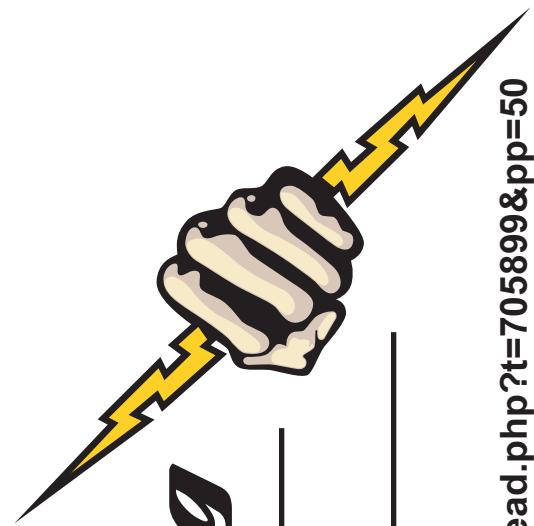
# *Lightning*

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2007 YarSmytheJr / Lee Ray

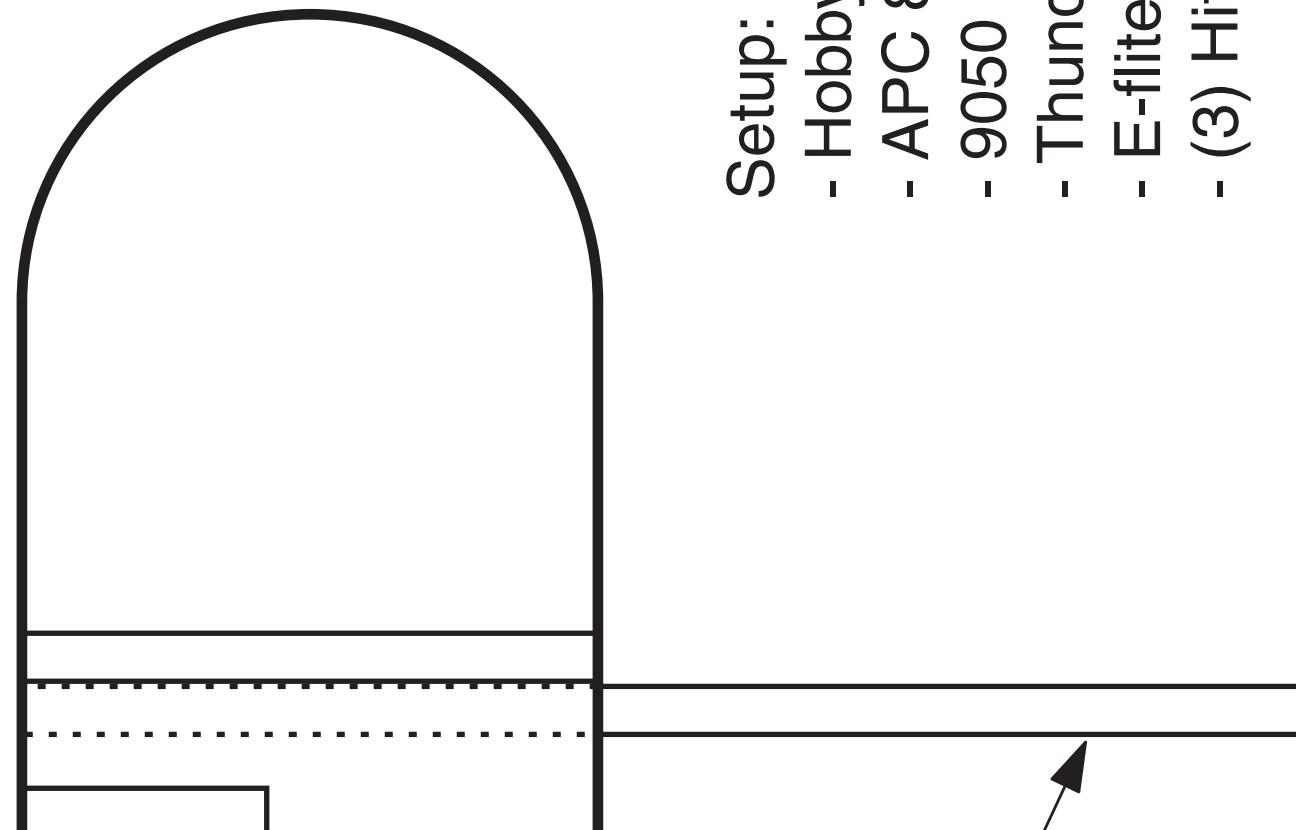
<http://www.rcgroups.com/forums/showthread.php?t=705899&pp=50>

Drawing Courtesy of MadCat Multimedia  
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**Setup:**

- Hobby Lobby 400XT outrunner
- APC 8x6SF / GWS 9x5 HD
- 9050 is the ideal prop for a esskay
- Thunder Power 3S 1320 LiPo
- E-flite 20 amp speed controller
- (3) Hitec HS-55 servos



## - (3) Hitec HS-55 servos

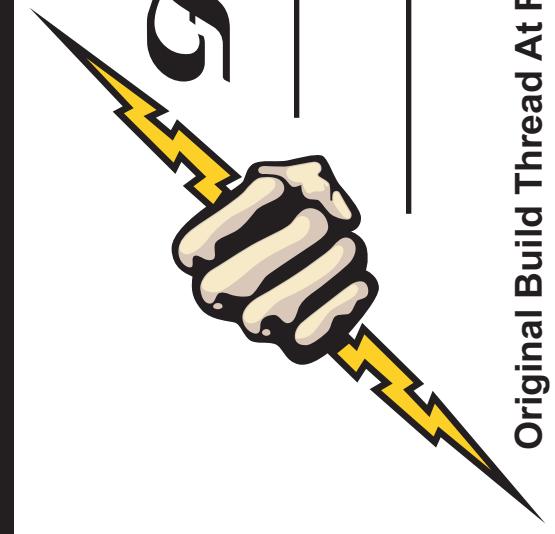
### Build Notes:

- Dow Blue FFF, Midwest CellFoam
- CG Roughly 2.5" inches

### Specs:

- Wingspan 35in/889mm
- Length 22in/559mm
  - AUW: 12.6 ounces/357gr
  - WOT: 12.5 (w/APC 8x6SF)
  - Thrust: 13.9 ounces/394gr

*Thunder'n'*



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Design Copyright 2007

Original Build Thread At RCGROUPS.COM <http://www.rcgroups.com>

6  
5  
4

Drawing Rev.

Date
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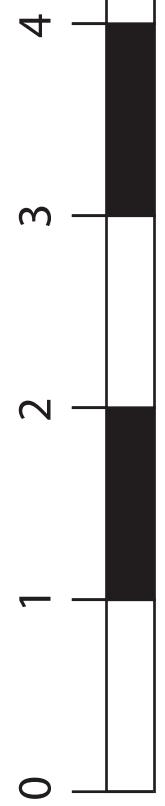
A technical drawing showing a vertical tail boom. It consists of a single vertical line representing the main boom, which has a horizontal rectangular cutout near the top. A second line extends diagonally upwards and to the right from the bottom of the boom, ending in a small triangular arrowhead. This second line is labeled with text describing the material and dimensions.

Tailbooms  
1/4" x 3/8" Spruce

A technical diagram showing a cross-section of a carbon arrow shaft. The shaft is a long, thin, rectangular tube. A single, solid black line extends diagonally upwards from the left side of the shaft, representing a carbon fiber rod. The shaft has a dashed outer boundary and a solid inner boundary. To the right of the shaft, there is a vertical dashed line. The text "Carbon Arrow Shaft" is written vertically along the shaft, and "5" is written at the bottom right corner.

Carbon Arrow Shaft

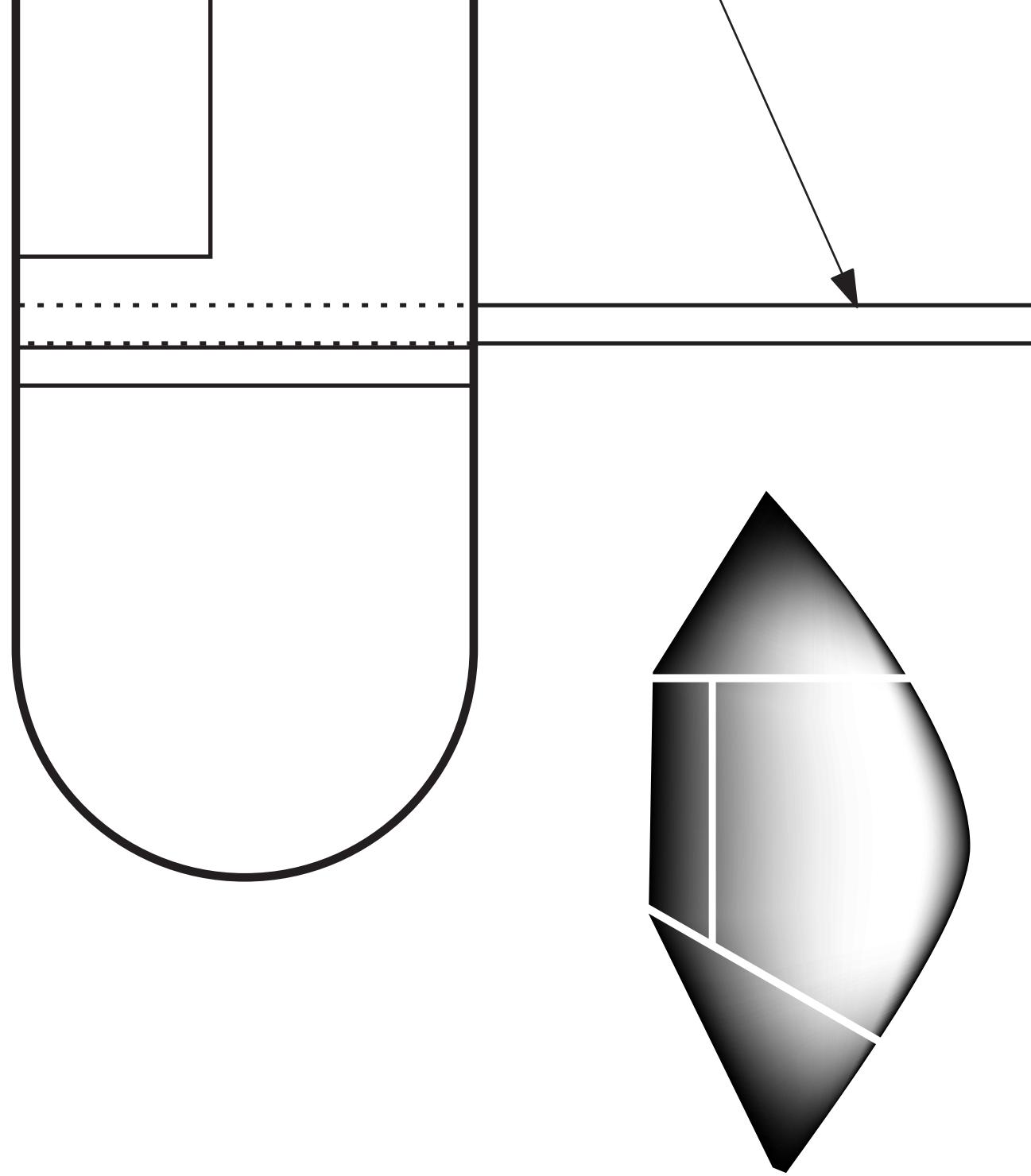
5"



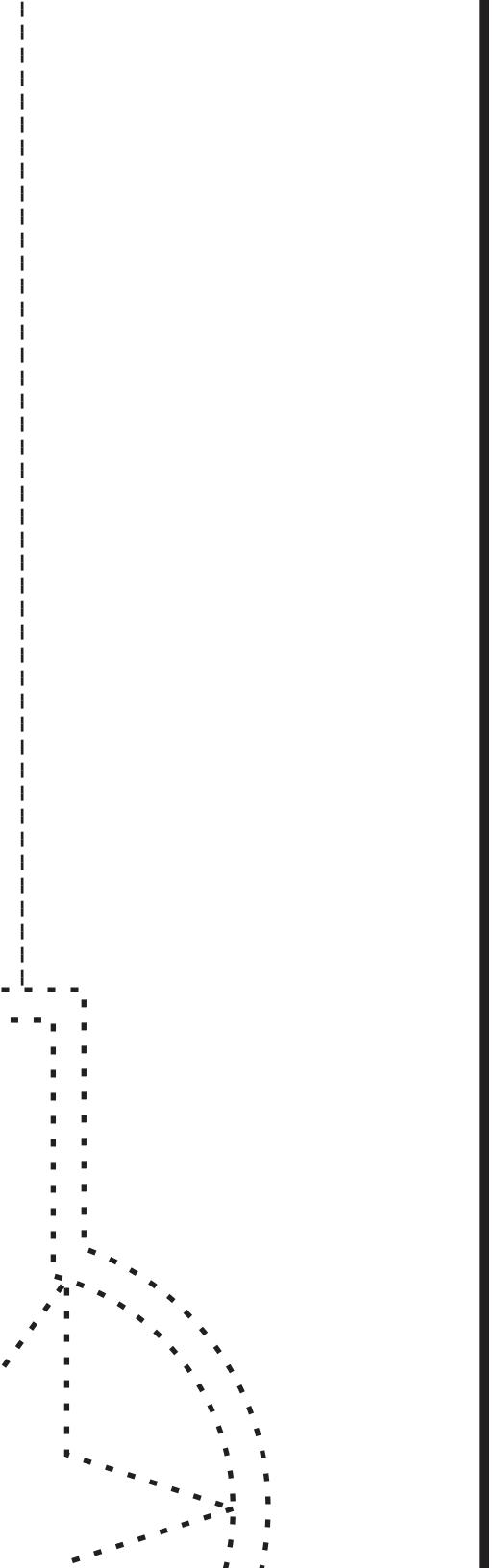
age Or  
iselage

400XT, 400DF

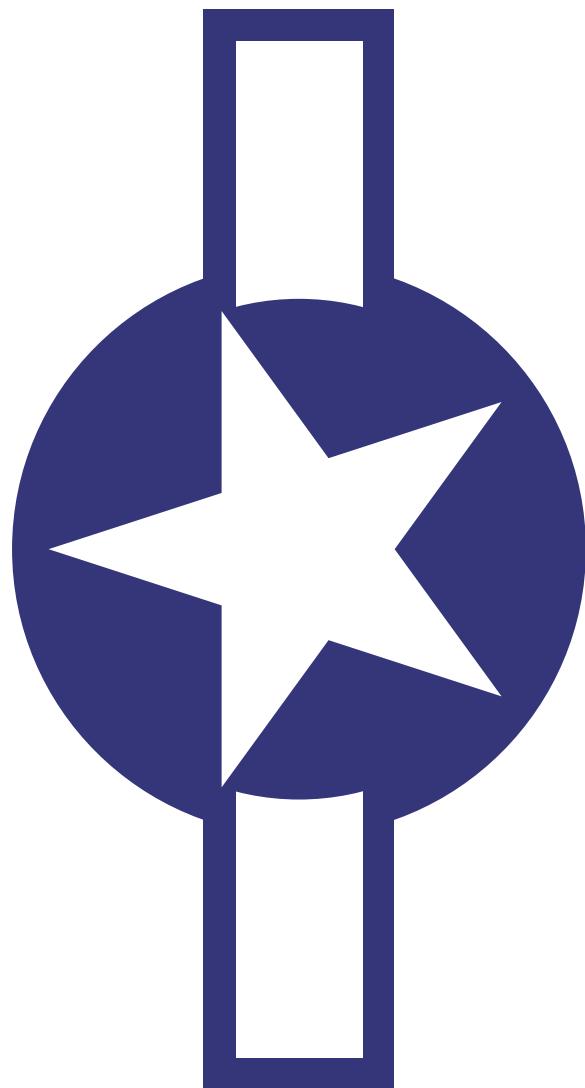
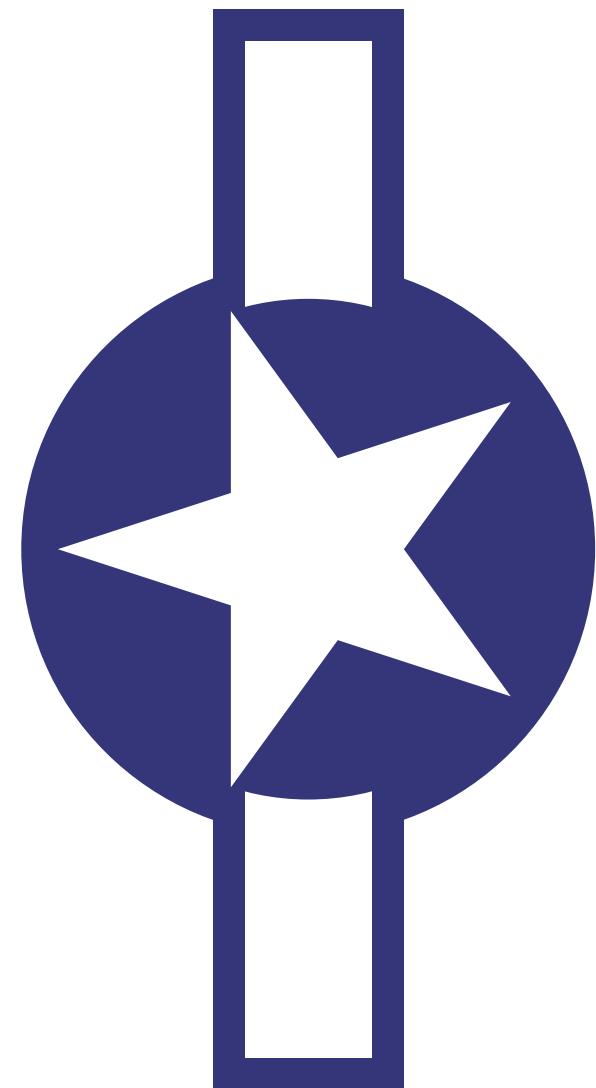




Carbon  
or Carb  
~.25"



Single Thickness Fuselage  
Optional Double Thickness Fusel



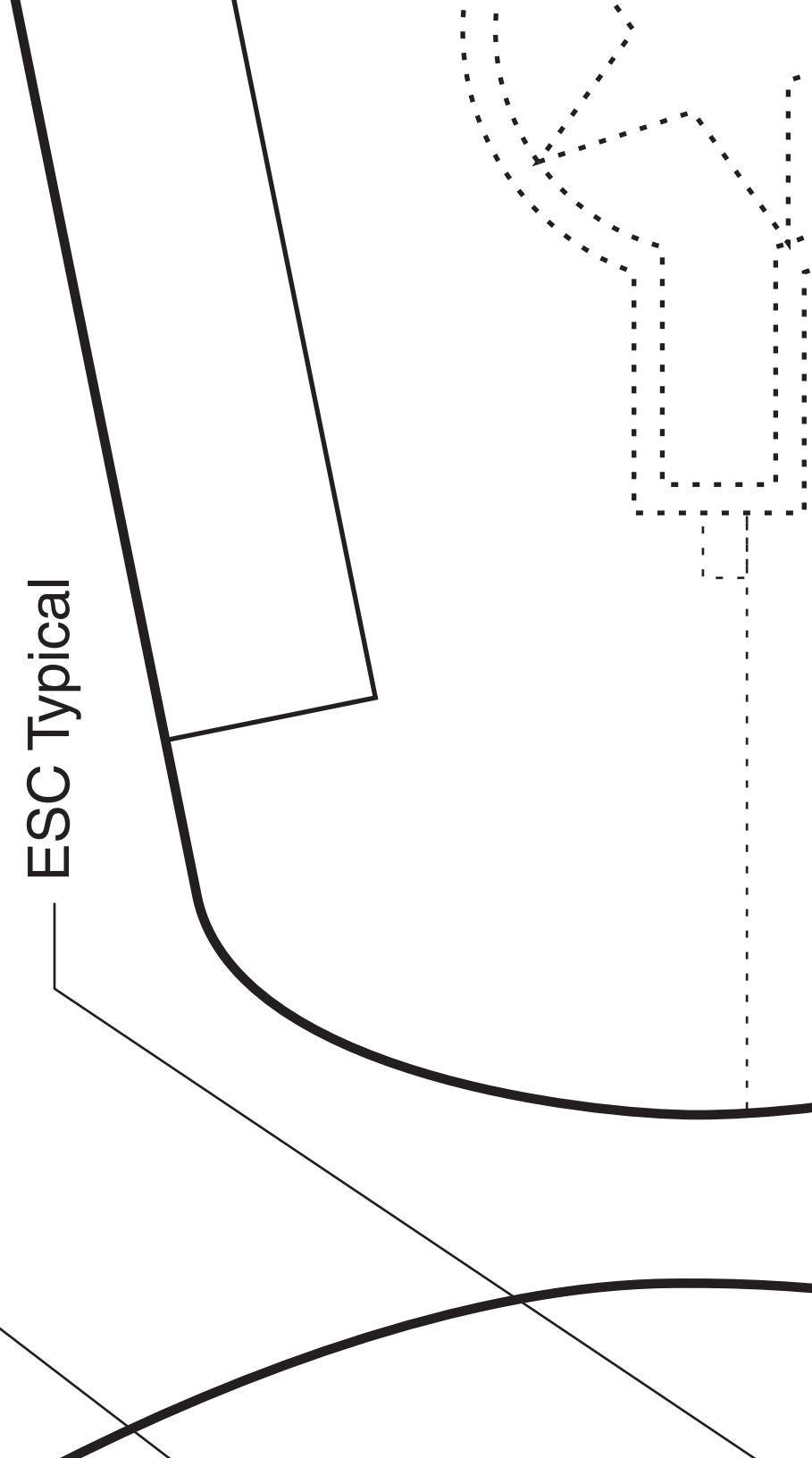
**U.S. AIR FORCE**  
**U.S. MARINES**

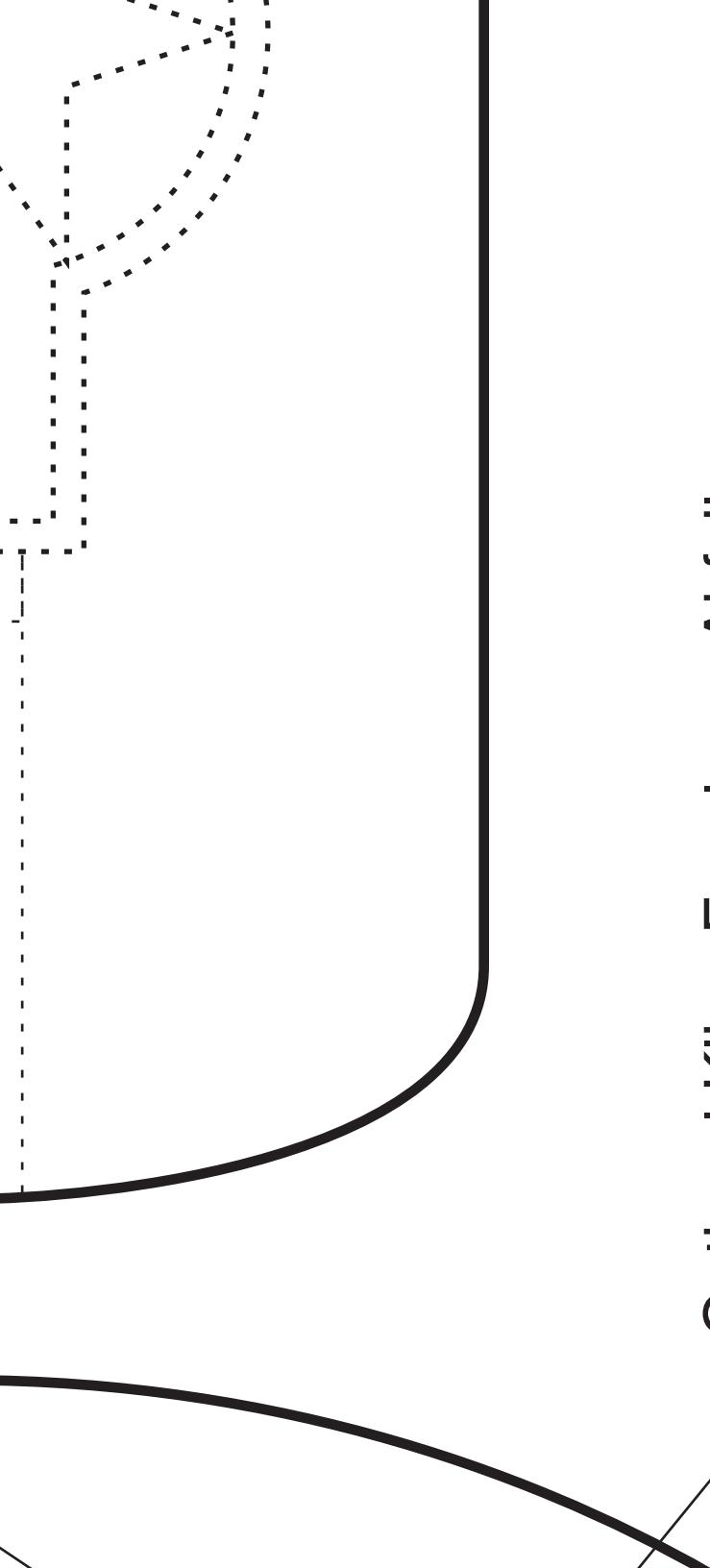
**U.S. AIR FORCE**  
**U.S. MARINES**



Receiver Typical

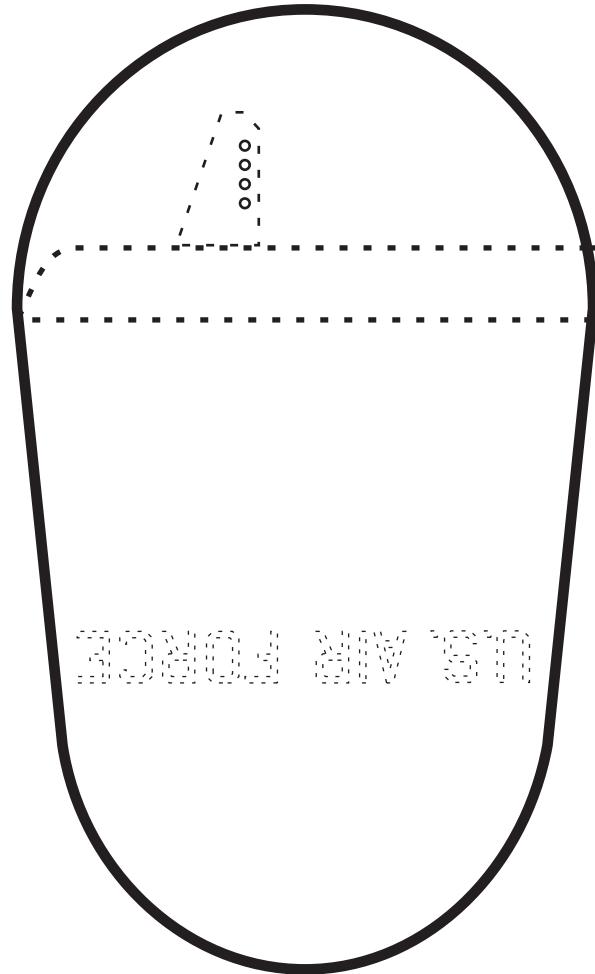
ESC Typical

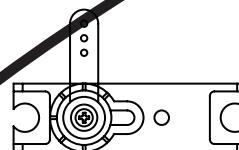
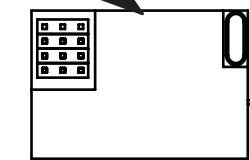




The diagram illustrates an airfoil profile, specifically the Optional Kline-Fogelman Airfoil, which is a double foam thickness version. It features a leading edge at the bottom left, a circular upper surface, and a trailing edge at the top right. A dashed line shows the original airfoil shape, while a solid line shows the modified one. A vertical line on the right side indicates the airfoil's chord length. A callout line points from the text to the trailing edge area.

Optional Kline-Fogelman Airfoil  
Double foam thickness



 CG

CG

