

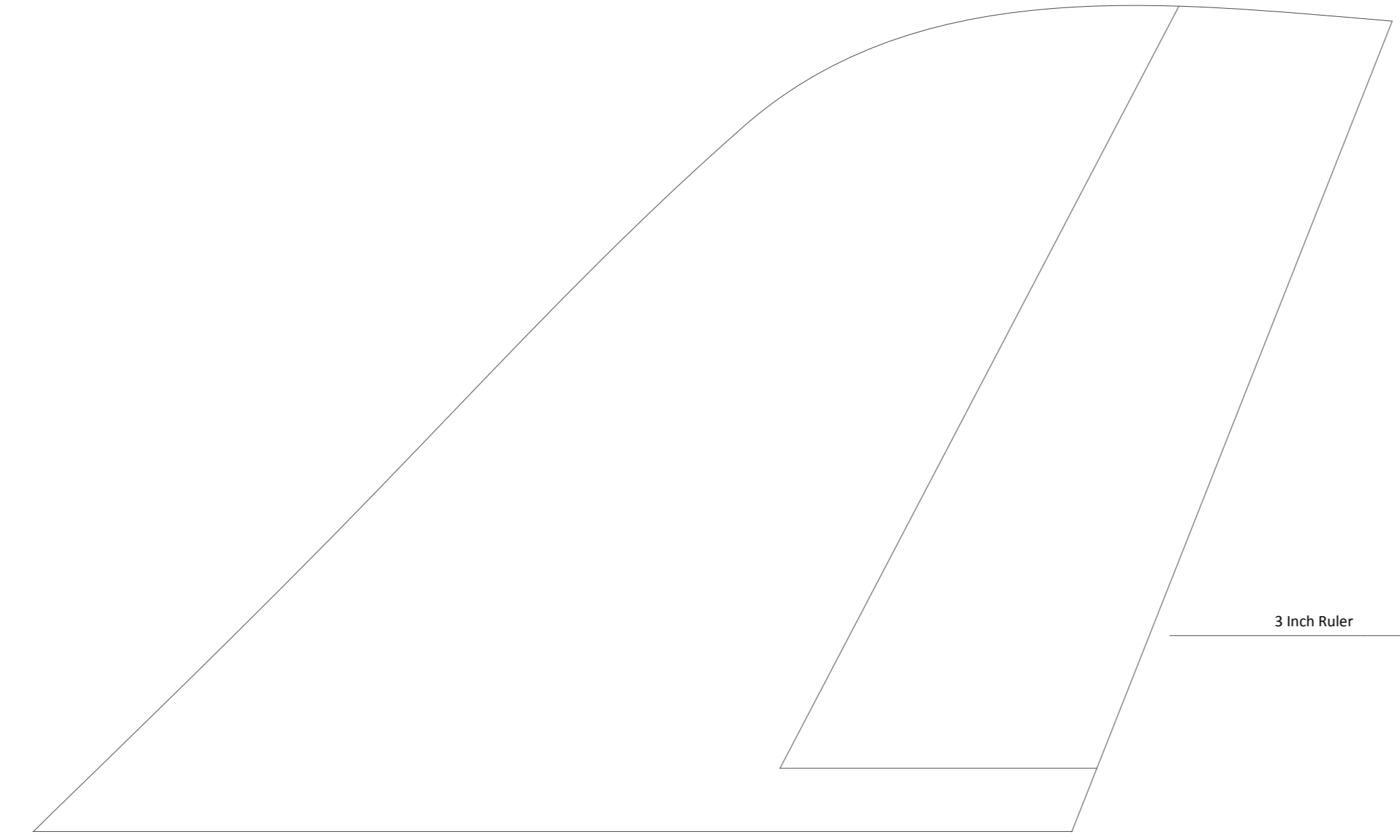
**Orka – Twin Pusher Advanced Trainer**

- Semi scale Foam board quick build plan by Elewon @RCGroups
- Twin pusher plane modeled after Orka EM 11.
- 58" WS, 2.6 sqft wing area, over 14 oz/sqft wing loading with ~8 oz battery
- Electronics Required:
  - Servos: 9g x 7 or 9g x 6 with no landing gear
  - ESCs: 30A x 2
  - Motors: 50g 1400-1800kv x 2
  - Battery: 2200 ~ 3300mAh x 1
  - LEDs: White/Red/Green strips
  - Props: 6x4 or 7x4 or 7x5 x 2 (CW and CCW)
- Other Materials:
  - DT foam board x 3 sheets
  - Low temp hot glue
  - 1/2 x 3/4 x 1/16 Aluminum bar - 15"
  - 1mmx36" music wire for push rods - 3
  - Paint stir stick from Home Depot - 1
  - Screws etc

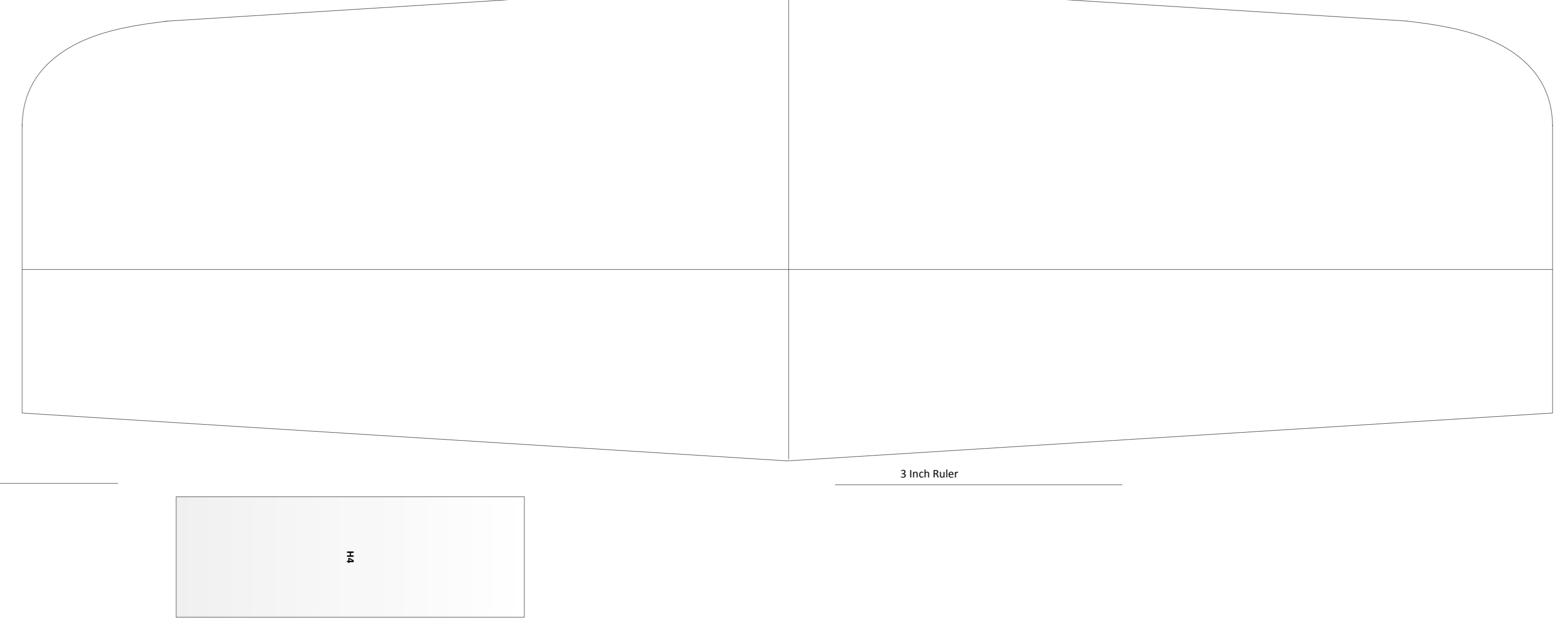


- Notes:
  - Battery capacity (AH) x C rating must be > 90
  - Use 6x4 or 7x4 prop with 1800kv and 7x5 with 1400kv
  - Use ESCs with at least 3A BEC or a separate BEC
- Disclaimer:
  - This is a scale model and requires scratch building experience as well as flight experience on a plane with flaps and landing gear. The plane is very stable, responsive, and easy to handle but it is not forgiving. Recovering from tough spots will be difficult if you don't make right decisions.
  - This is an effort to document detailed plans for the said plane but it is not possible to cover every detail.
  - RC plane building and flying are dangerous activities and you are responsible for all your actions. Be safe and happy flying!

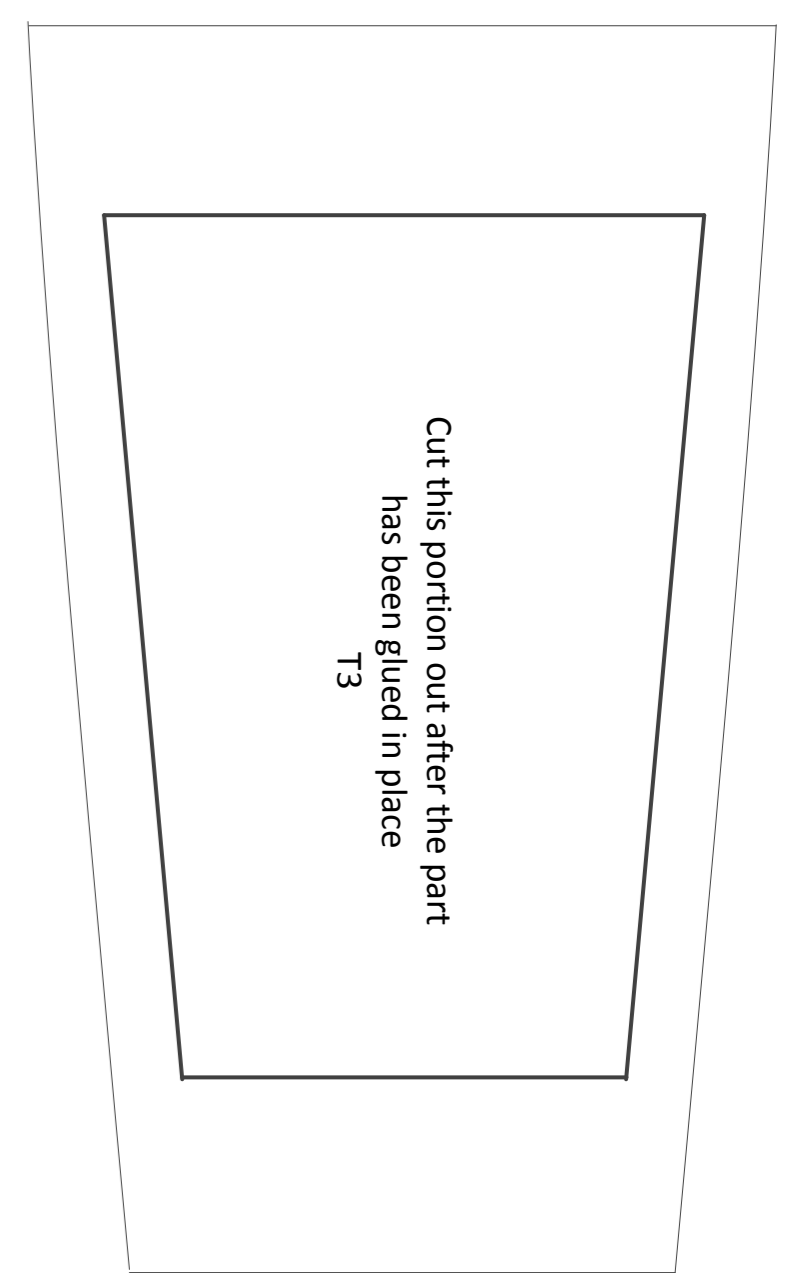
V Stab and Rudder



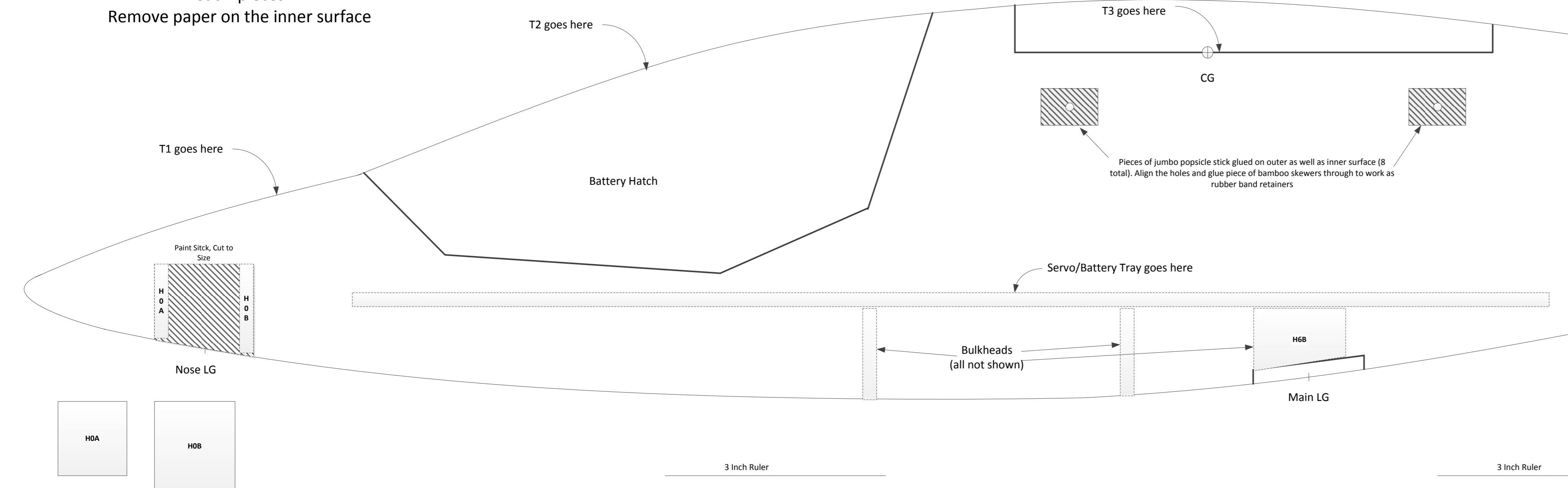
H Stab and Elevator



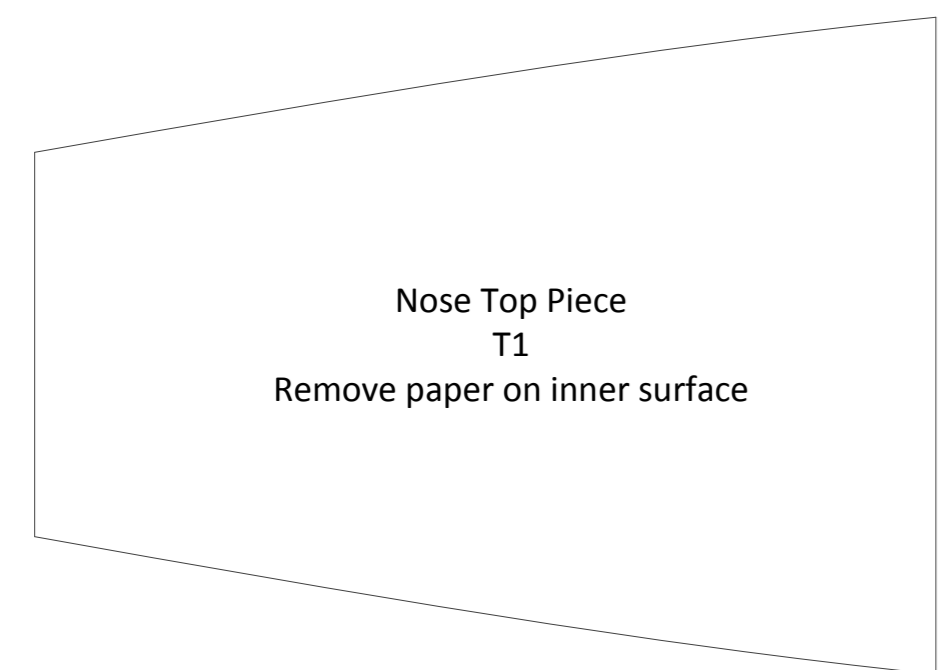
H Stab and Elevator



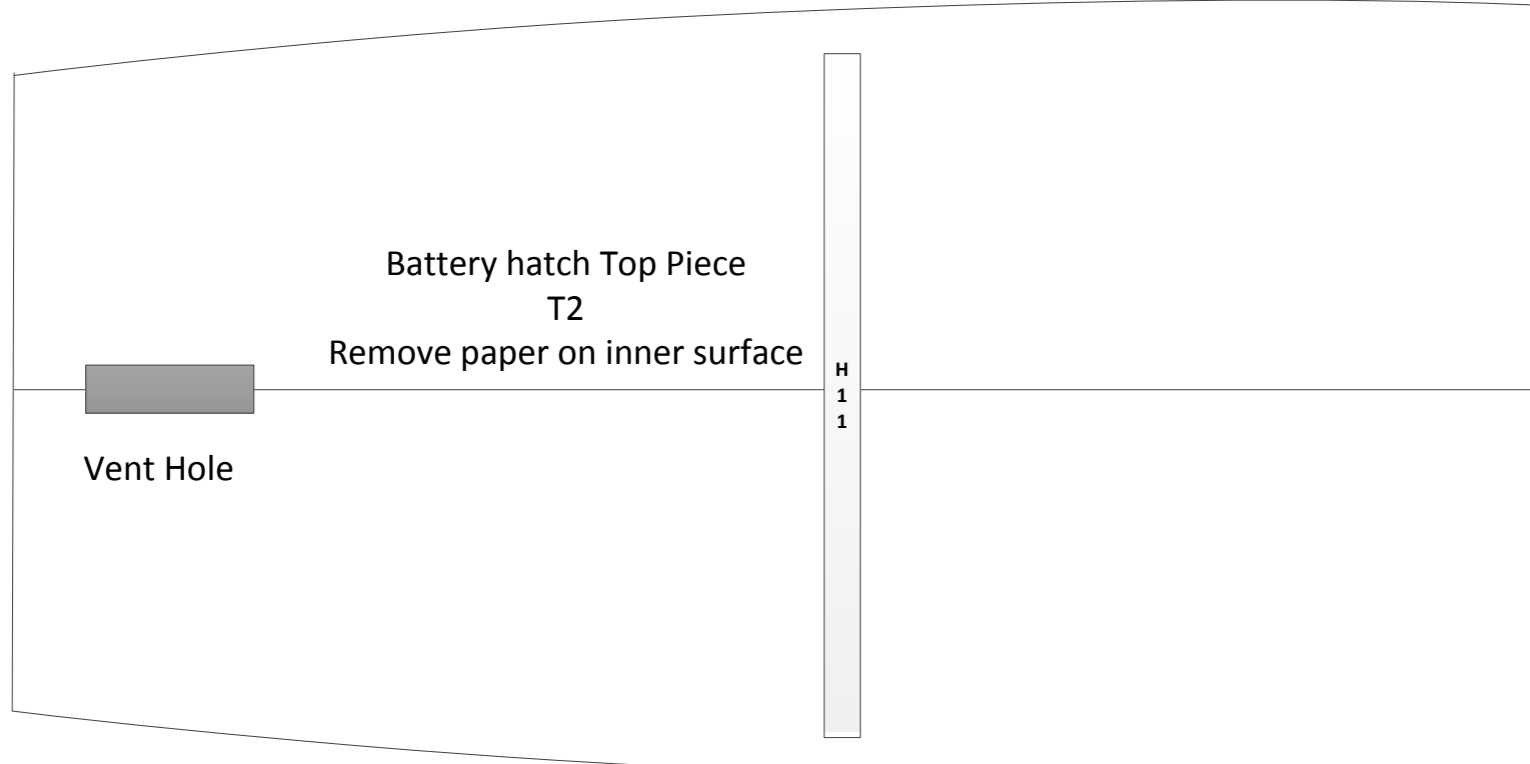
Fuse Side Plate  
Cut 2 pieces  
Remove paper on the inner surface



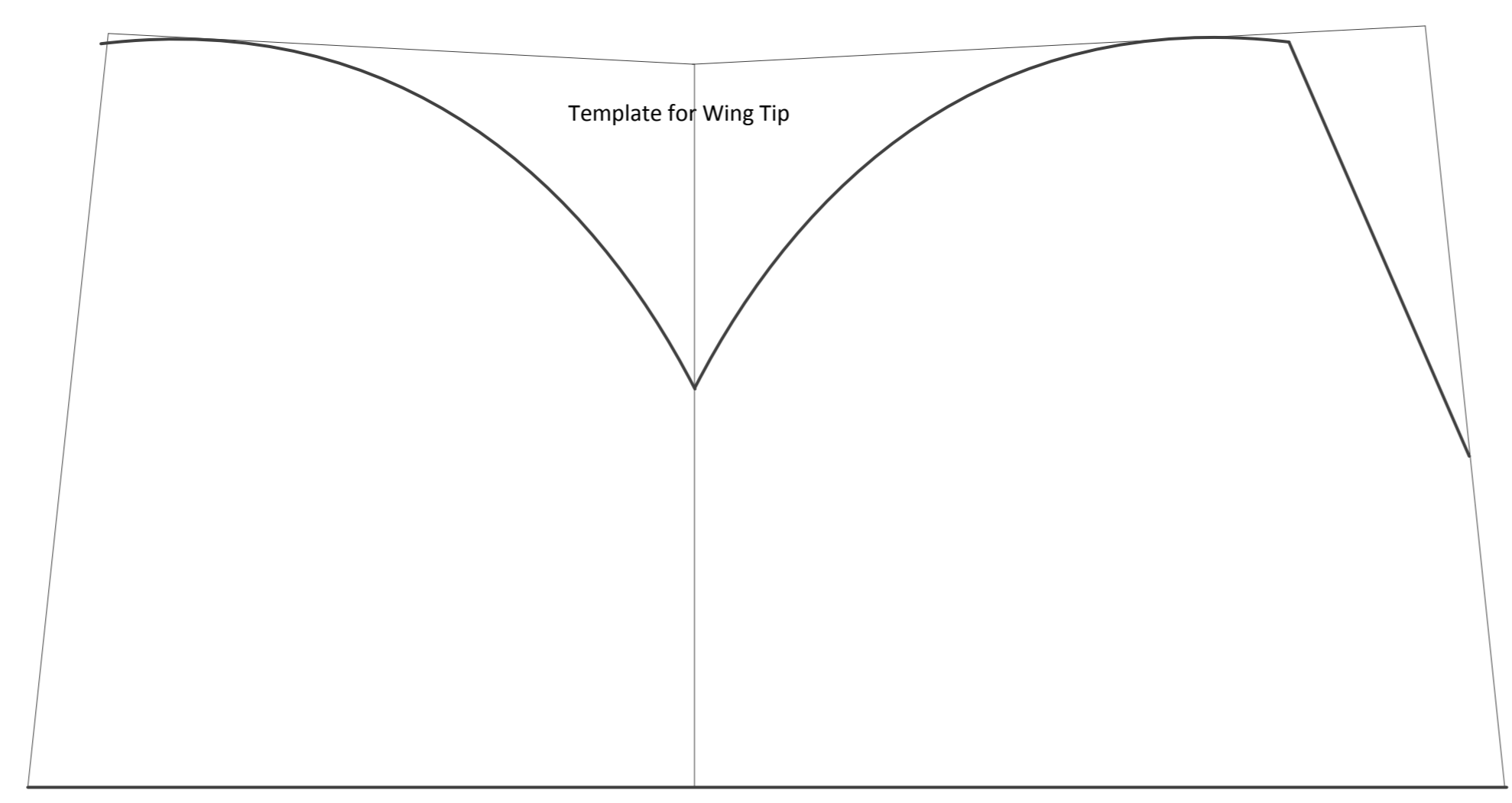
Nose Top Piece  
T1  
Remove paper on inner surface



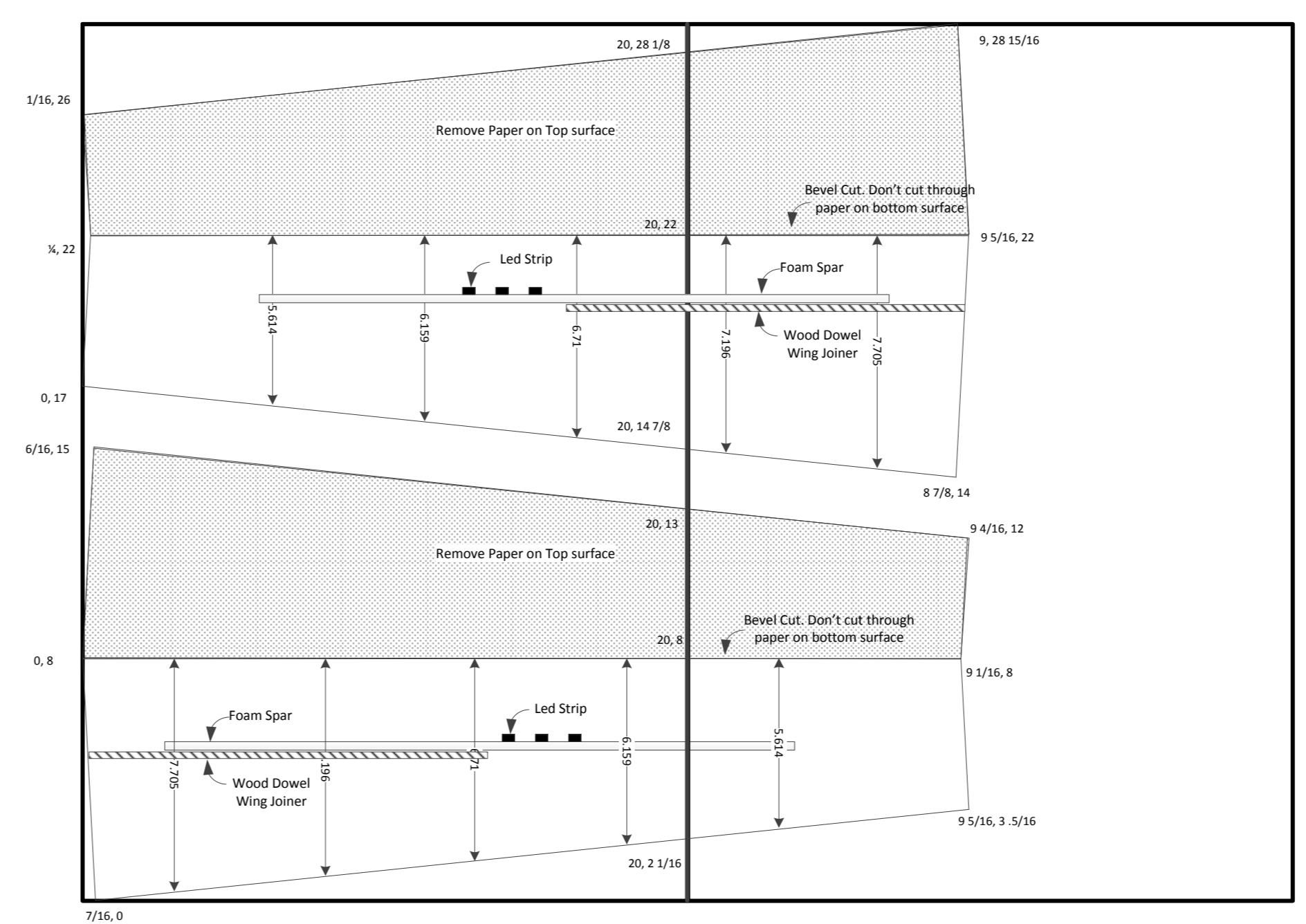
Battery hatch Top Piece  
T2  
Remove paper on inner surface



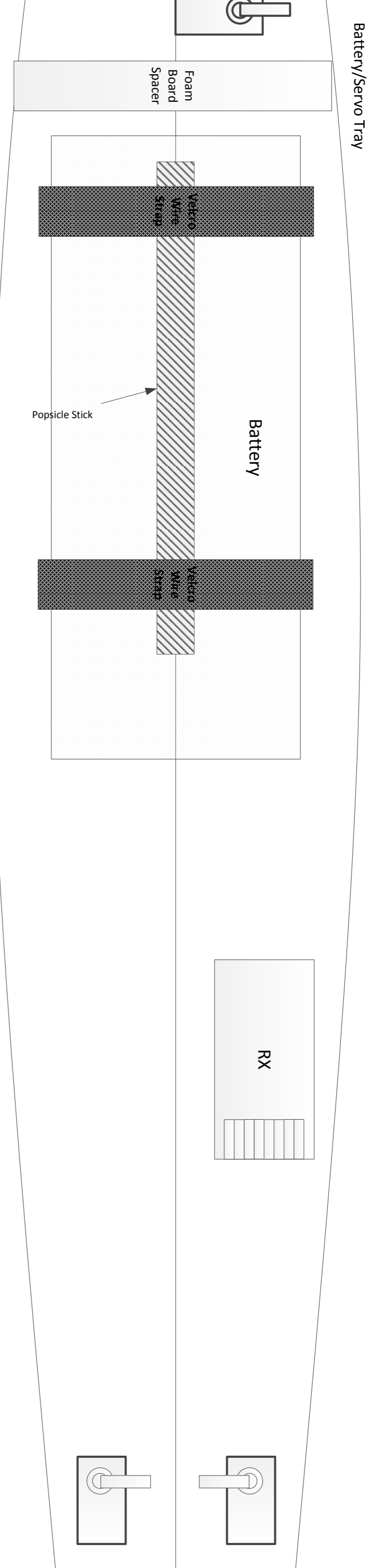
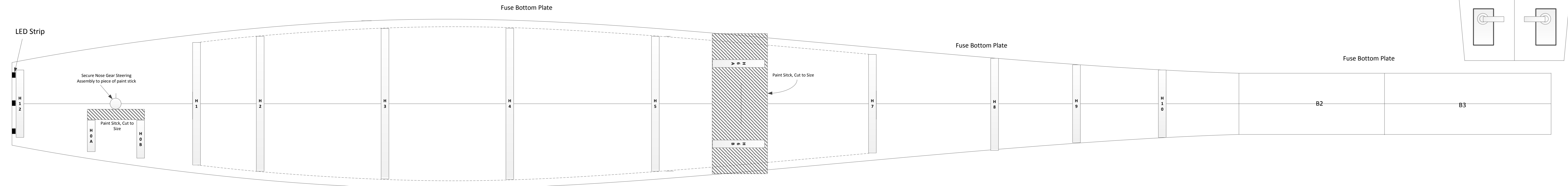
Template for Wing Tip



Wing panel coordinates as laid out on 2 sheets of DT foam boards  
CG is at 2 11/16" from LE



Fuse Bottom Plate  
Remove paper on the inner surface



Aft Fusel/Tail Top piece  
T4  
Remove paper on the inner surface

