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### 3 Sweeper IV - Developing the Sweeper IV Configuration (Part 3)

1 message

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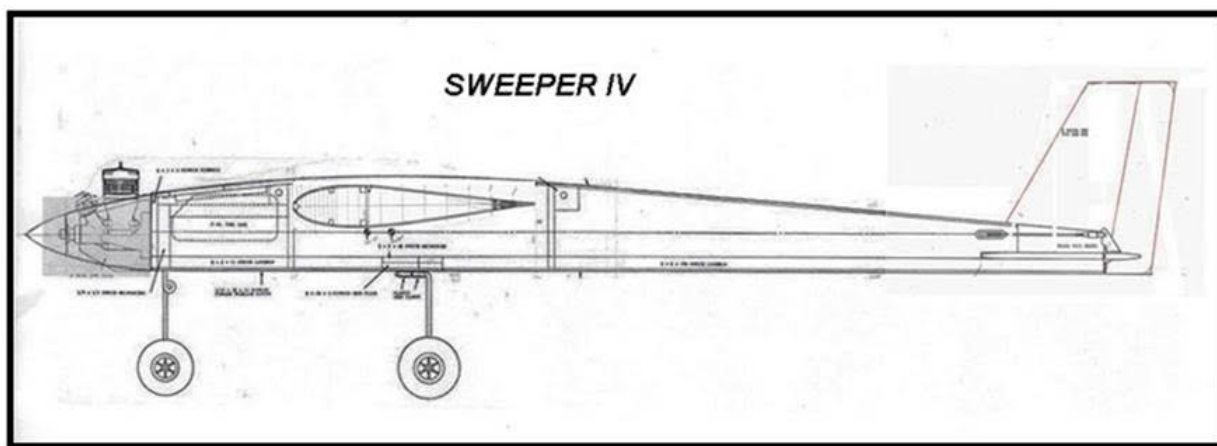
Sun, Nov 4

Report No. 3

*Sweeper IV*

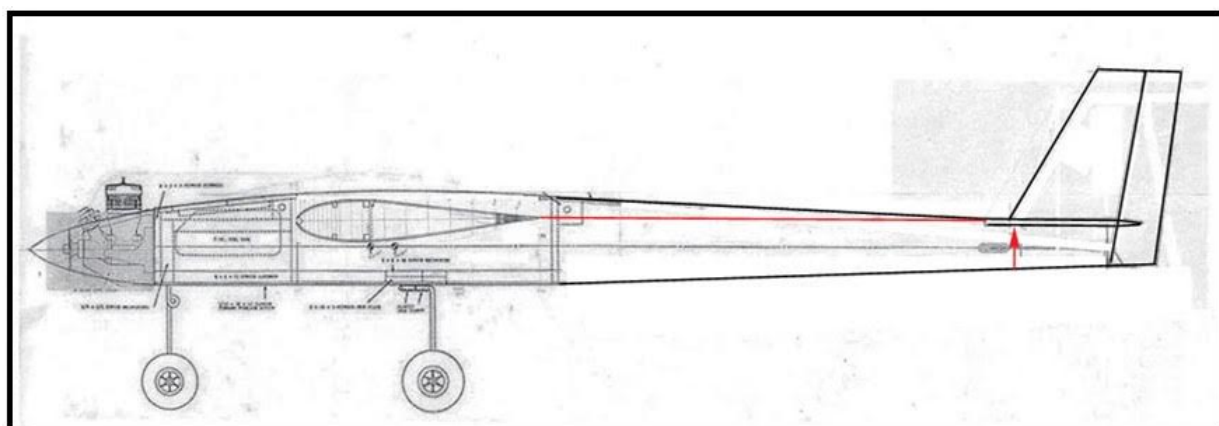
*November 2, 2019*

The Sweeper IV design profile in Report No.2 was preliminary and subject to further changes in the shape of the forward fuselage and height of the wing in the fuselage.



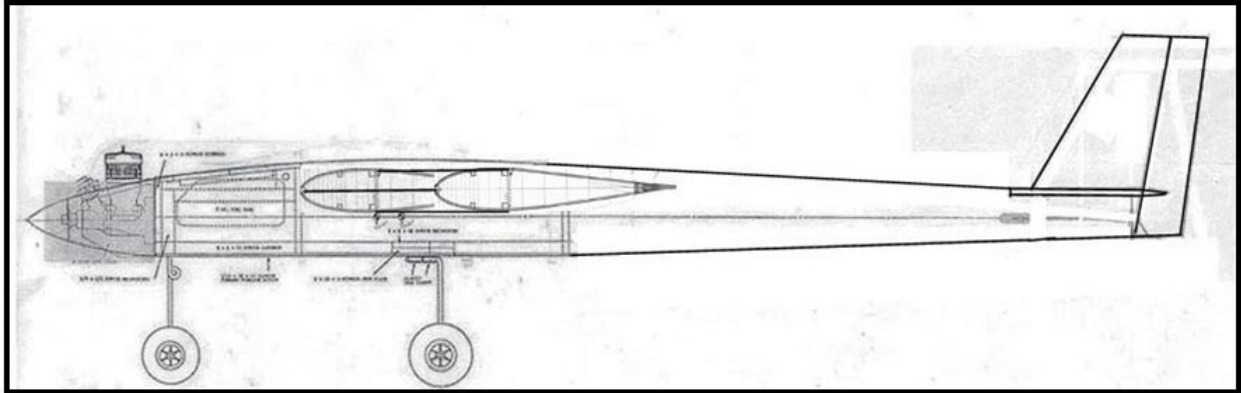
The first adjustment to the profile was to move the stab up to be on the same level as the wing indicated by the red line. The top line of the fuselage was drawn in back to the top of the stab. The bottom line of the fuselage was drawn back to match the depth of the fuselage at the tail post.

Sweeper IV - Adjustment 1



This sketch also shows the location of the swept wing's tip rib.

Sweeper IV



The wing sweep requires a aft shift in the center of gravity (CG). Therefore, the second adjustment to the profile was to shorten the nose and move the main landing gear aft as shown below. This sketch is about what I have in mind for the Sweeper IV's fuselage profile.....Tandy

Sweeper IV - Adjustment 2

