

# Bob's Card Models

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## Cessna 172 'Skyhawk' Scale: 1:24

The Cessna 172 Skyhawk is a four-seat, single-engine, high-wing fixed-wing aircraft. First flown in 1955 and still in production, more Cessna 172s have been built than any other aircraft [Wikipedia

One of the best Cessna 172 paper models is that originally on the web site [www.tehniska-zalozba.si](http://www.tehniska-zalozba.si) which unfortunately no longer exists.

It was felt that a number of improvements could be made (windscreen front and rear corrected, dihedral of wings improved etc etc), and a new livery used, and this is the result.

The livery used is that of the United States Civil Air Patrol, and in fact the aircraft registered as N706CP. The CAP is the official civilian auxiliary of the United States Air Force (USAF), and is a volunteer organization with an aviation-minded membership that includes people from all backgrounds, lifestyles, and occupations.

### **Building Instructions**

Print all sheets on between 160 and 230g card.

**Bright Green areas must be cut out, BUT only after gluing any folds. The Instructions will tell you when!**

Although the model is relatively small, bulkheads have also been used to keep the correct cross-sectional form of the fuselage; therefore, they don't have to be glued all around, but rather tacked in place (do not tack on the green areas, which will anyway be cut off). The bulkheads should not be pressed in firmly, but loosely, otherwise after gluing, an unwanted ribbing effect is seen on the outside.

Make sure that the bulkheads are correctly installed - lined up with the **external** seam.

### **FUSELAGE**

1. Cut out parts **19**, **12** and **1**, and their related tabs.
2. Glue tab **3** on part **1**, tab **11** on part **12**, and the respective side tabs on each part.
3. Close/glue **19** and insert/glue **18**, close/glue **12**.
4. Glue on small front and rear end tabs on part **1**.
5. Glue part **19** to **12**. Insert and glue in place, Bulkhead **R10** (within **19**), and B/H **R2** (within **1**).
6. Glue the 3 parts together, starting from the front.
7. Insert and glue in place, B/H **R4** (see diagram), then **R9**, windscreen **31** and **R8**.

8. Close/glue **13**, and insert B/H **R6**.
9. Glue **13** onto fuselage.
10. Add/glue a weight of at least 10 g in the front of the fuselage

#### **MAIN WING**

11. Cut out parts **27** to **30**, fold and assemble.
12. Before gluing in place on top of fuselage,
13. Glue wing in place on top of fuselage.
14. Wing struts **49**: Cut each one out and roll around/glue cocktail stick for strength. Glue each end in place in the positions marked under the wing and on the side of the fuselage.

#### **REAR WINGS and FIN**

15. Assemble parts **14**, **16**, **17**, **20**, **22** and glue in place.

#### **UNDERCARRIAGE / WHEELS**

16. Main undercarriage: Insert **33** through fuselage in the rectangular holes cut in the fuselage, and glue in place. Attach the 2 larger wheels **38** with glue.
17. Front wheel **34**: cut out front vertical axle **32**, and likewise to the wing struts, roll around/glue a cocktail stick. Cut out **60**, round to a U-shape, and thicken 4x (see diagram). Cut to required length, and glue in place by inserting through hole marked under the fuselage.

#### **EXHAUST**

18. Cut out and roll/glue **50**. Insert and glue in position.

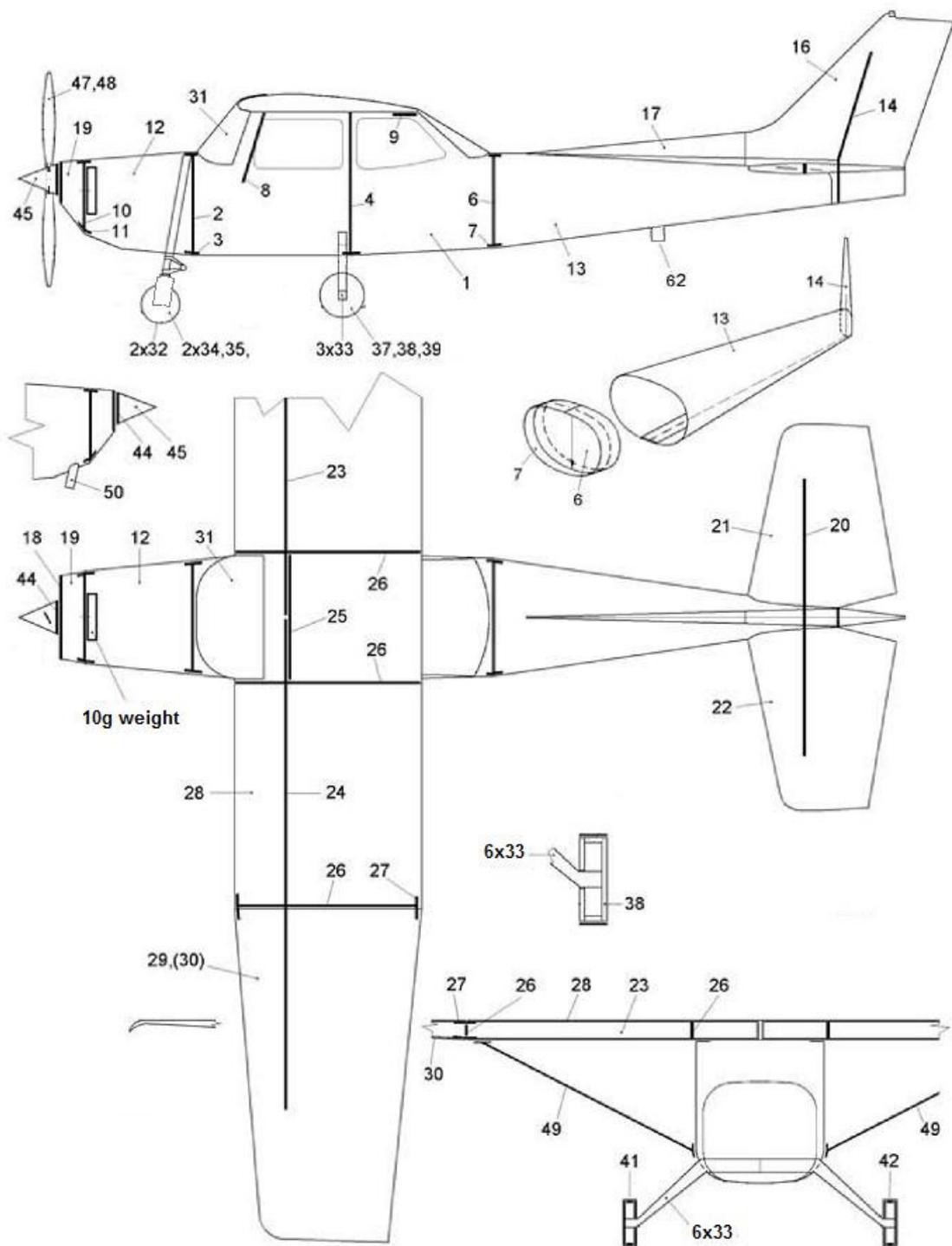
#### **PROPELLER**

19. Cut out parts **45**, **47**, **48**, and assemble/glue on a cocktail stick and insert in position in the fuselage.

#### **ACCESSORIES**

20. Assemble the 2 aerials **61** and attach to the upper wing surface on the positions marked.

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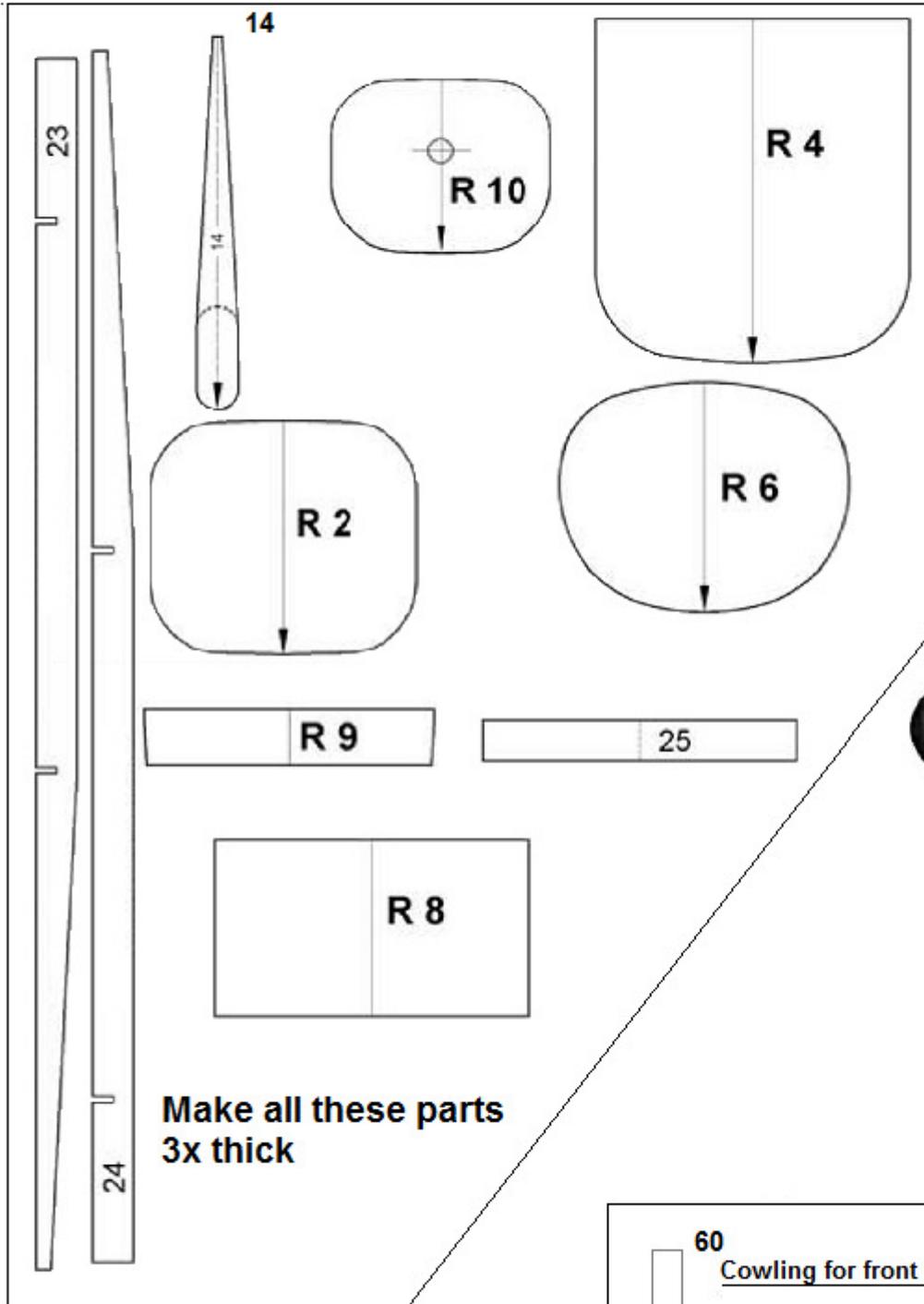
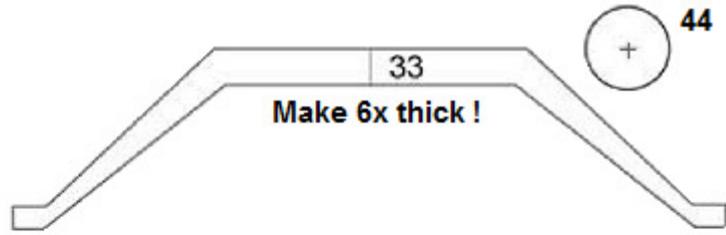
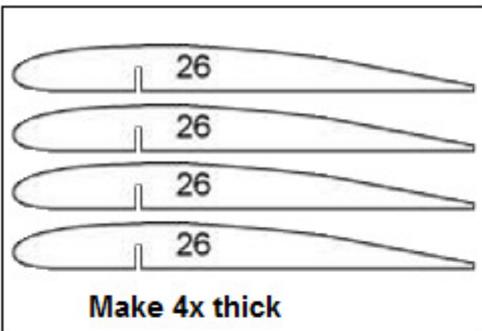


**Cessna 172 Skyhawk**

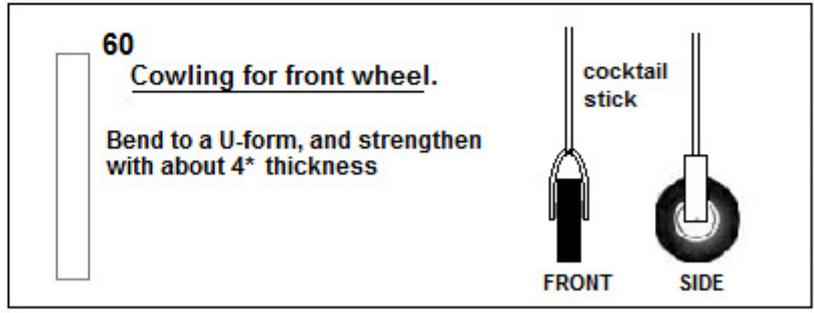
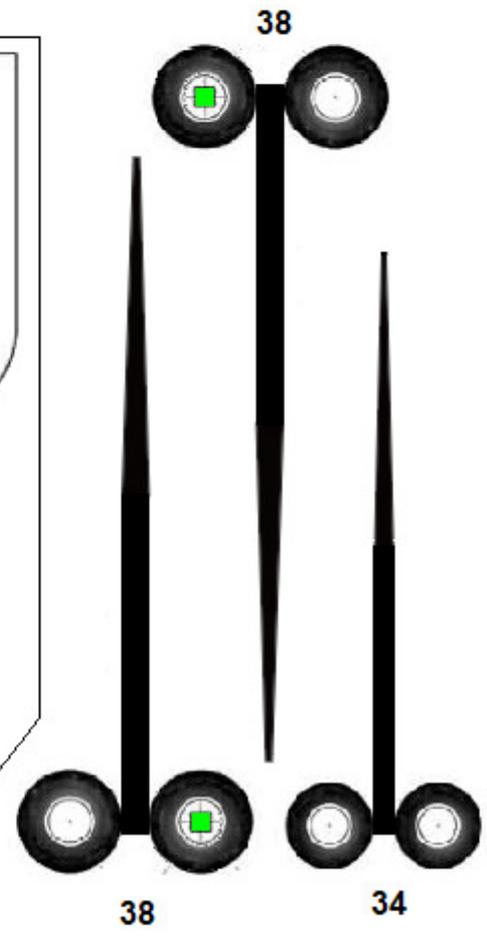




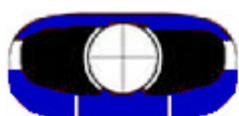




Make all these parts  
3x thick

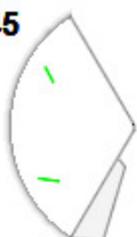


18

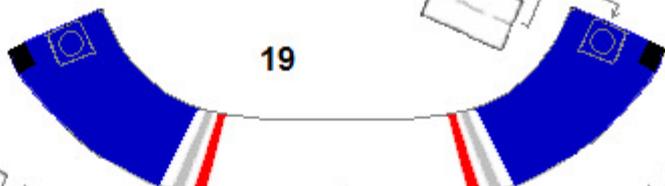


Make 3x thick

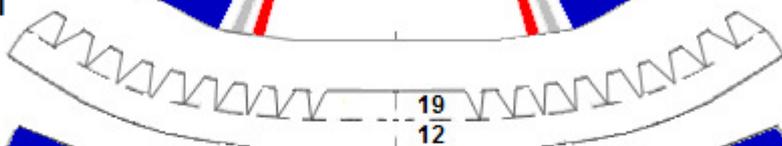
45



19

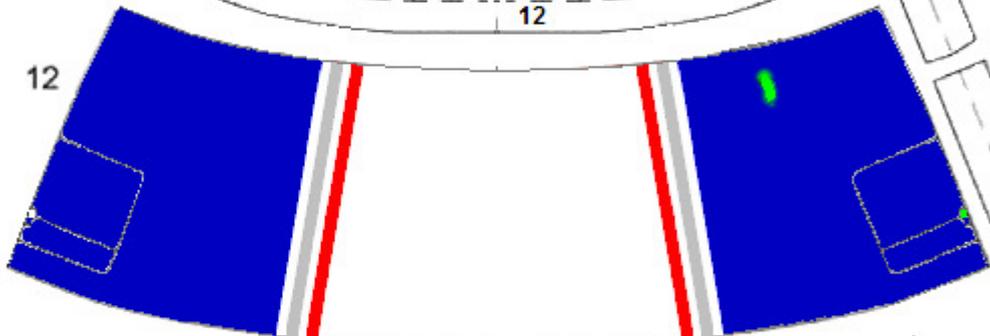


11



19  
12

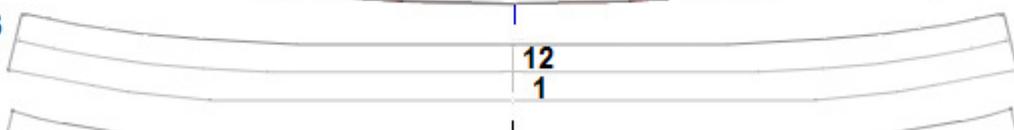
12



50



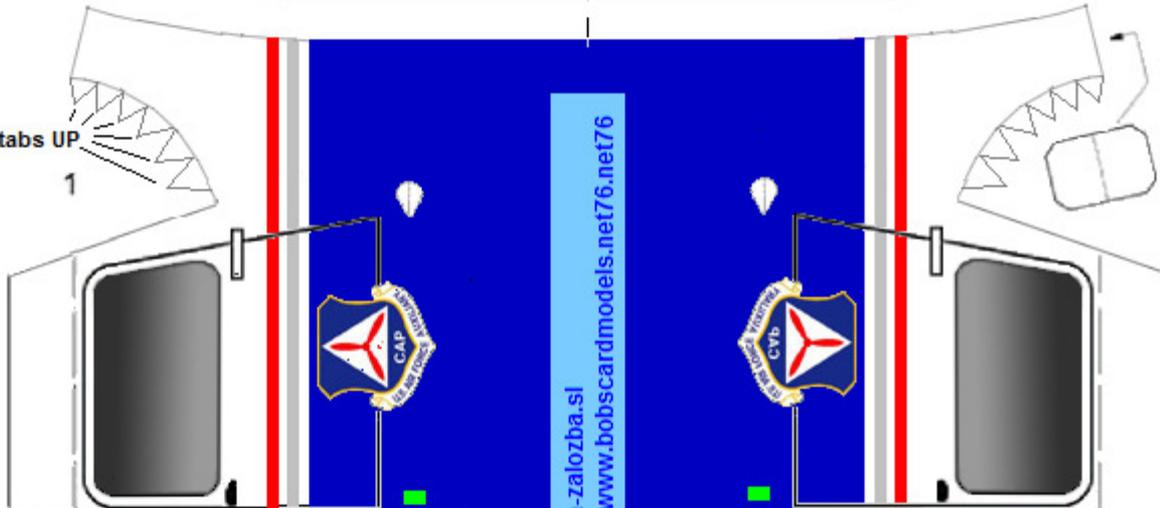
3



12  
1

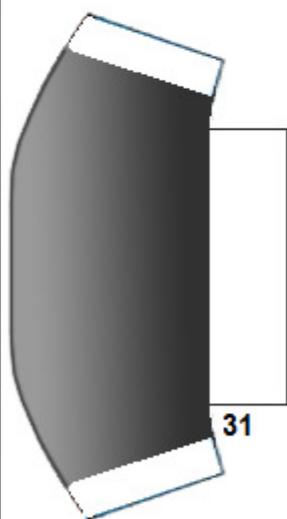
bend tabs UP

1



47

48



31

7



1  
13

# Sheet 2

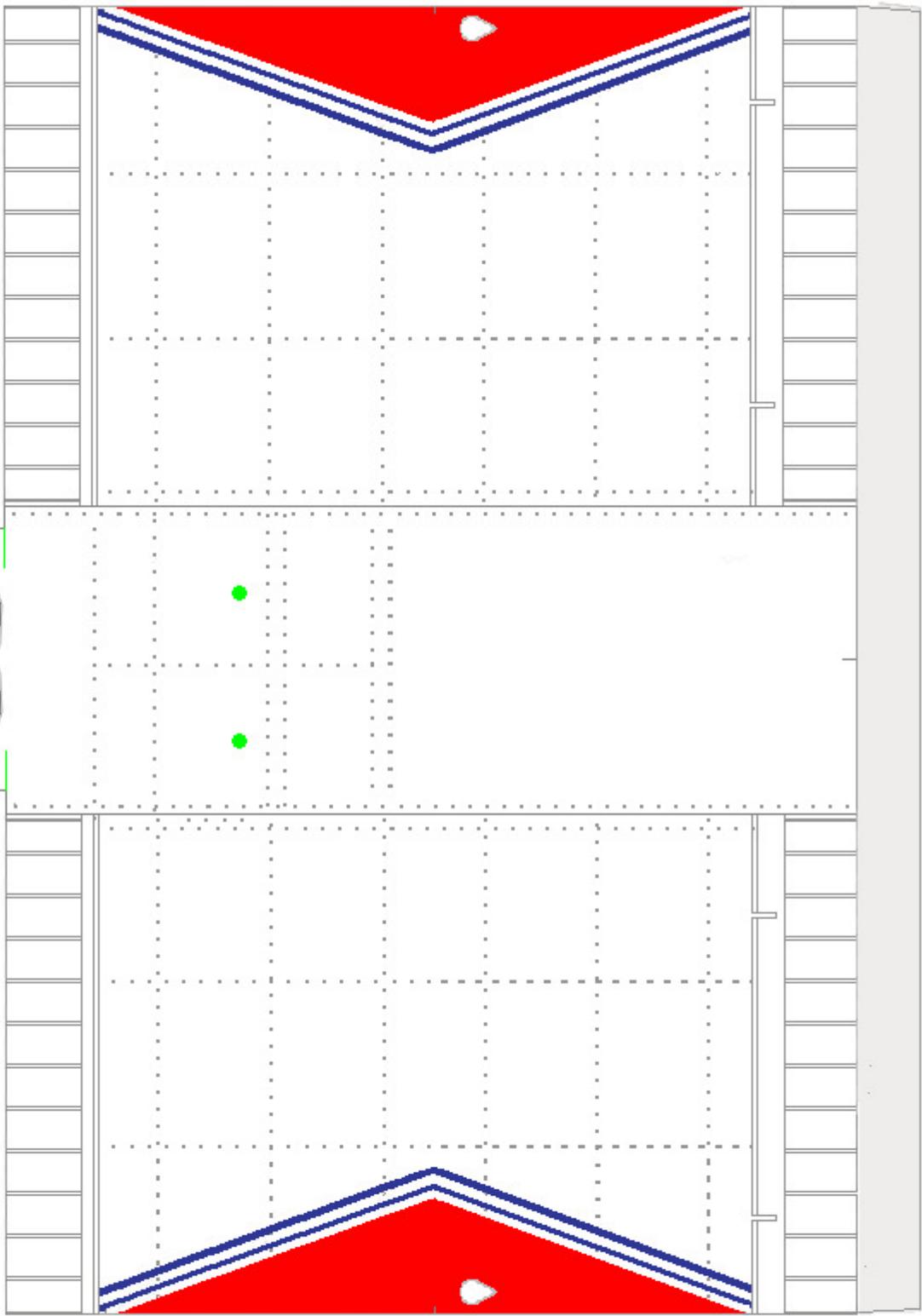
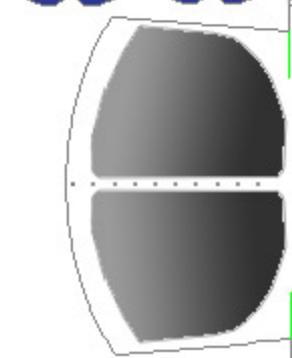
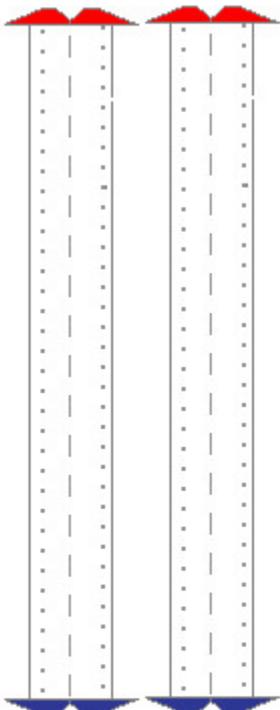
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49

27

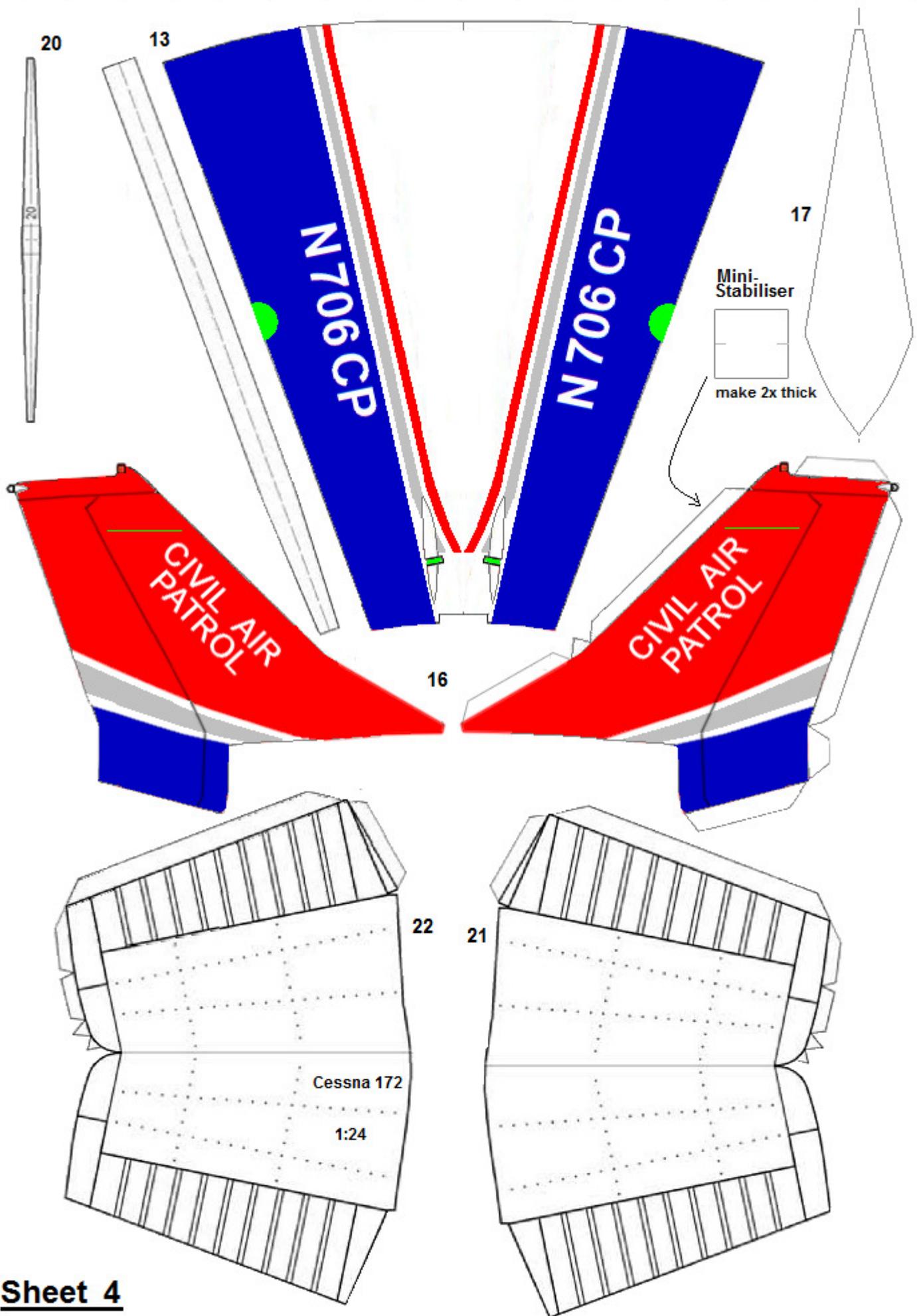
28



27

**Sheet 3**

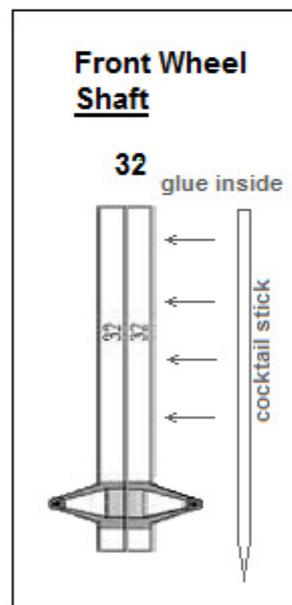
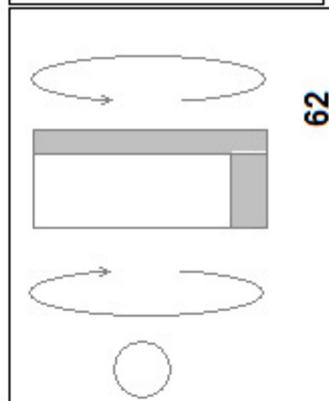
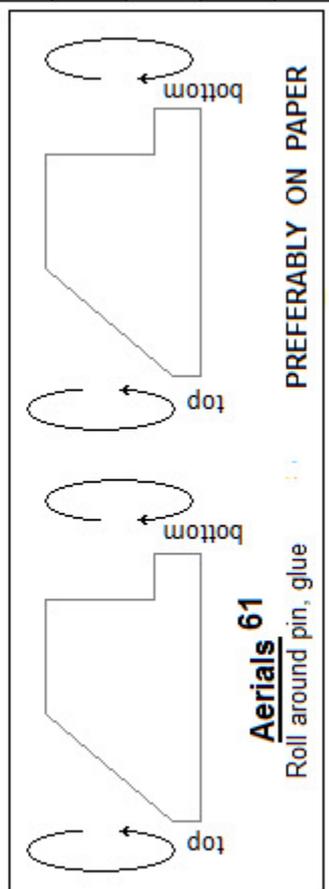
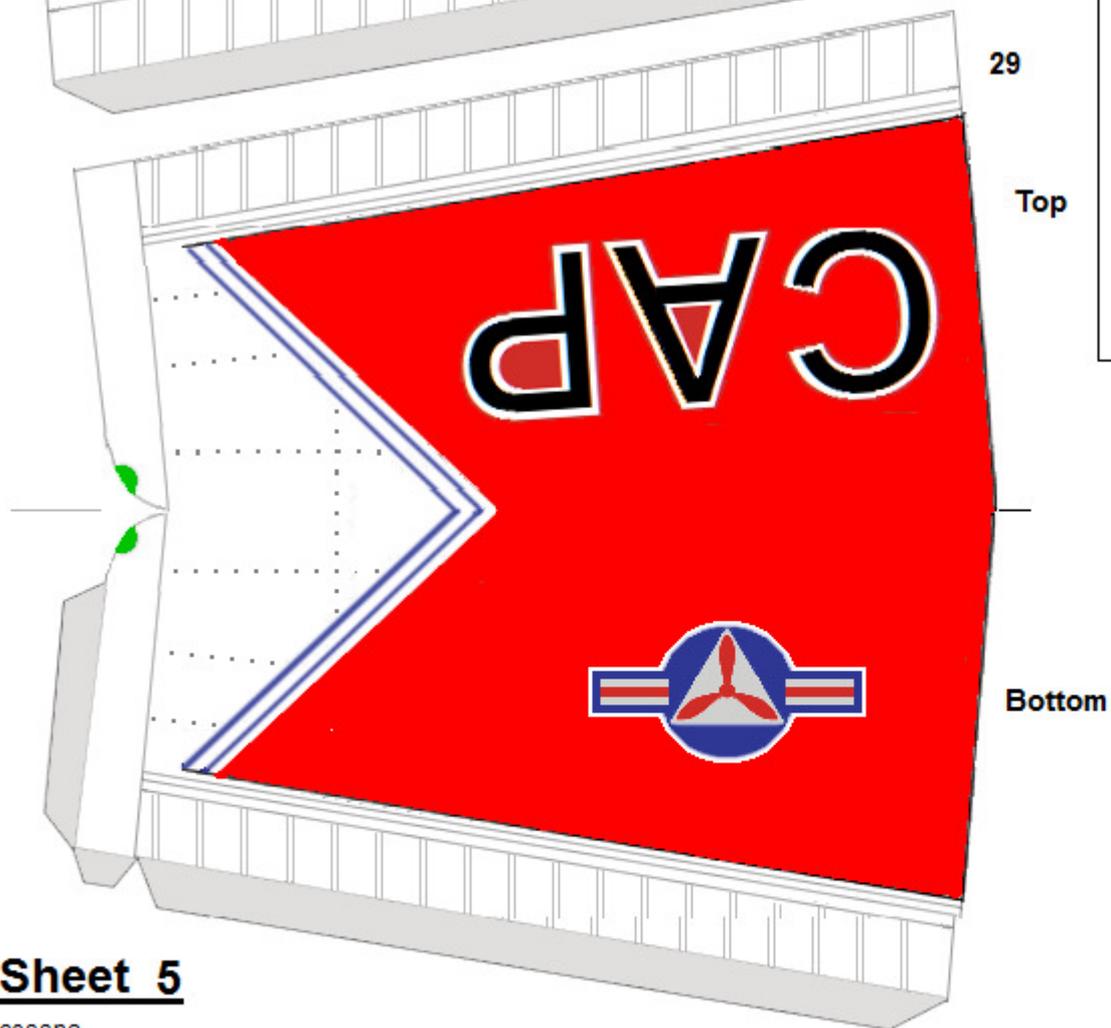
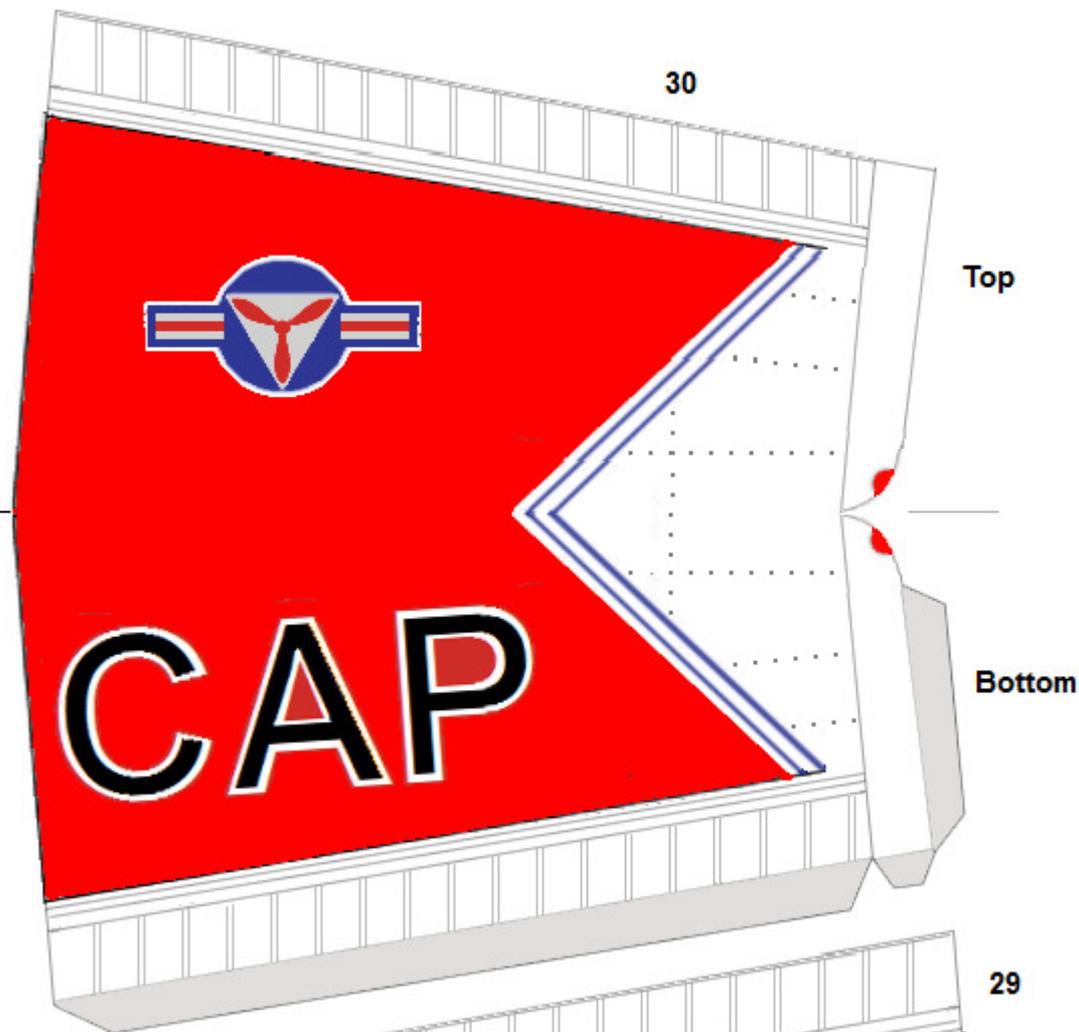
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**Sheet 4**

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**Sheet 5**

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