

Bobs Card Models

www.bobscardmodels.altervista.org and www.zealot.com [Resources]

C-54 / DC4 "Candy Bomber" (Scale 1:72)

Building Instructions

Print all sheets on 160g card or thicker, and only on 90g paper where stipulated.

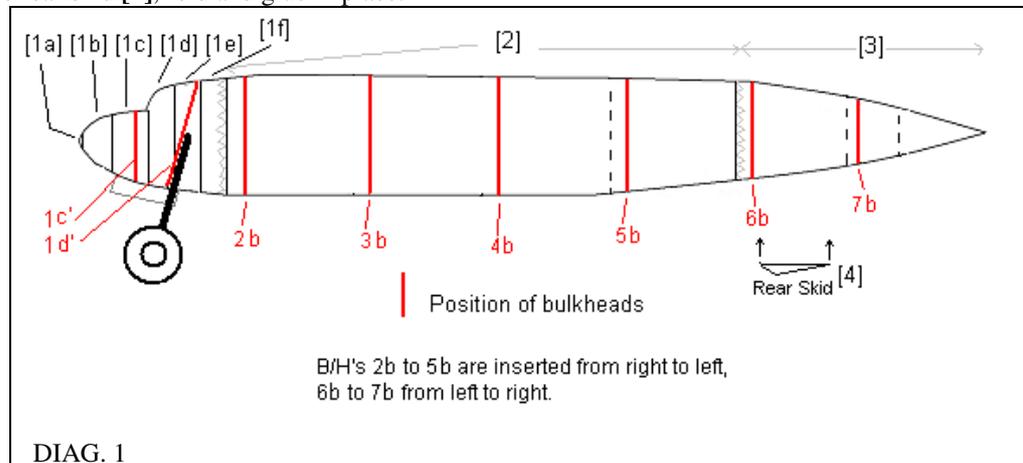
TIP 1: When gluing card parts at right-angles to another piece (eg bulkheads to the outer skin), holding together with fingers until dry usually results in the 'skeleton' image of the bulkheads - not nice! Hold together with 2 flat pieces of wood - I use the flat sides of 2 clothes pegs. Bulkheads should not be forced into the fuselage tubes, but gently inserted with glue.

TIP 2: To result in a good rounded form, when gluing the large serrated tabs to the relevant fuselage part, round the latter in the curve between your index finger and thumb before gluing the tab, add the serrated tab and press until dry. This system should be carried out whenever gluing tabs to rounded parts.

Tip 3: When inserting the bulkheads, pierce a tiny hole in the centre of the b'head, push in a cocktail stick. This helps in placing the b'heads correctly.

Fuselage

1. Cut out all bulkheads **2b - 7b**, glue on card, cut out again, glue on card, cut out, thus strengthening each b'head and making them 3x thick.
2. Cut out parts **[2]** and **[3]**. Glue on the tabs, form each part to a cylinder, and glue. Do NOT yet cut the 2 black slits each in part **[3]**.
3. Insert bulkhead **[7b]** on a cocktail stick into **[3]**, add bead of glue, and carefully retract the cocktail stick. Likewise b/h **[6b]**.
4. Insert b/h **[5b]** from the rear using a cocktail stick, tap it straight with a broad diameter stick or rod from the front end, and glue.
5. Likewise insert b/h's **[4b]**, **[3b]** and **[2b]** from the front end using long thin stick jammed in the centre-hole of the bulkhead as a placement aid, gluing each time.
6. Glue and join the 2 parts **[2]** and **[3]** together.
7. Cut out the rear skid **[4]**, fold and glue in place.



8. Snip a number of 3-5mm slits into the rear of part **[3]** and add glue, mold with your fingers to a rounded point.
9. Cut out nose cone parts **[1a]** to **[1f]** as well as the bulkheads **[1a']** to **[1c']**.
10. Glue the individual cone parts with their respective serrated tabs, and close each by gluing. Work forwards from **[1f]** to **[1a]**.
11. Part **[1a]** nose tip. After gluing to a cone and allowing to dry, pierce the apex with a needle, add a globule of glue, allow to work for half a minute, and then using your fingers, press the tip gently to give a rounded and not sharp apex.
12. Insert bulkhead **[1b']** in place.
13. Cut out and glue the box-form of the nose wheel compartment **[28]**.
14. Cut out the grey areas marked on nose cone parts **[1c]** and **[1d]** to accommodate the nose wheel compartment, insert the latter (with the marked flaps proud of the fuselage) and glue liberally in place.
15. Add bulkheads **[1b']** and **[1c']** - the latter is not vertically but diagonally placed and glued, so that the nose-wheel axle can be glued onto it.

16. Between bulkheads [1c'] and [2b], add a mass of about 15-20g.
17. Glue the nose cone to the main fuselage.
18. Glue the cocktail stick nose-wheel axle in place, so that the top of the cocktail stick protrudes 1cm from the fuselage. Note: envelope the cocktail stick with grey paper part [10] for authenticity (or colour the stick grey).
19. Cut out and form bridge to nose-wheel [29]. Slip onto nose-wheel axle.
20. Drill a 1mm hole into the top of the nose-wheel, push onto the cocktail stick axle and glue in place. Slip down the bridge [29] and glue in place.

Rear Fin

21. Cut out [5], fold, glue to final form.
22. Cut the 2 black slits and 1 black slit in part [3], which will receive and stabilise the rear fin.
23. Glue the stabiliser [6] in the fin, and finally place fin and glue. Fold streamlining part [7] lengthways and glue in place (on top of fuselage and contacting the rear fin).

Rear wings

24. Cut out, fold, glue.
25. Cut out and glue to 4x thickness, the horizontal rear wing stabilising bar, insert through the slots in part [3], slip on the left and right rear wings and glue in place.

Main wings

26. Cut out the 2 main wings [8L] and [8R] and the stabilising bar [9]. Cut out the slit in the fuselage through which the stabilising bar will be inserted. Insert the bar and glue liberally in place.
27. Fold each of the wings (underside to upperside) and close by gluing the long tab. NOTE: For reasons of authenticity, don't SHARPLY fold the leading edge.
28. Where each of the propeller axles will later be inserted, pierce holes in the leading edge of both the wings for each propeller axle.

Engines

29. Cut out parts [14] to [18] as well as the tabs. Glue the tabs on [17], roll [17] to a cylinder and glue. Close each of the parts [15], [16] and [18] by gluing their respective tabs. Glue [16], [17] and [18] together. Insert disc [14] (with its centre already pierced to accommodate the propeller axle) into the front of [17] and glue in place. Glue part [15] onto the front. To accommodate the wing, cut out the grey areas on parts [17] and [18]. Glue the unit on to the outer position of the left wing.
30. Repeat for the outer unit for the right wing with parts [19] to [23].

Main Landing Gear

31. For each of the main double-wheels: Cut off the points on one end of each cocktail stick, glue 2 c'tail sticks at an angle of about 30° on the blunt ends, and sandwich between 2 wheels. Glue liberally.
32. When well dried, cut out the 4 wheel axle sleeves [13], roll around a cocktail stick and glue. Remove from cocktail stick. When dry, slip one each onto each of the 4 wheel axles. No need to glue in place.
33. Cut out the marked hole on the bottom of each wing, just behind the inner engine cowlings, as well as a similar hole 15mm forward - to receive the double suspension of the wheels; carefully insert the 2 suspension struts, and glue liberally.
34. NB: So that the fuselage sits **parallel** to the surface, the distance between the bottom of the wheels to the fuselage bottom (ie the clearance) should be 24mm.
35. Cut out, form and glue the landing gear compartment flaps [25].

Propellers

36. Glue each propeller onto a cocktail stick, and insert through the engine cowling. Glue, if desired.
37. Add the propeller hub caps [28], and glue in place.

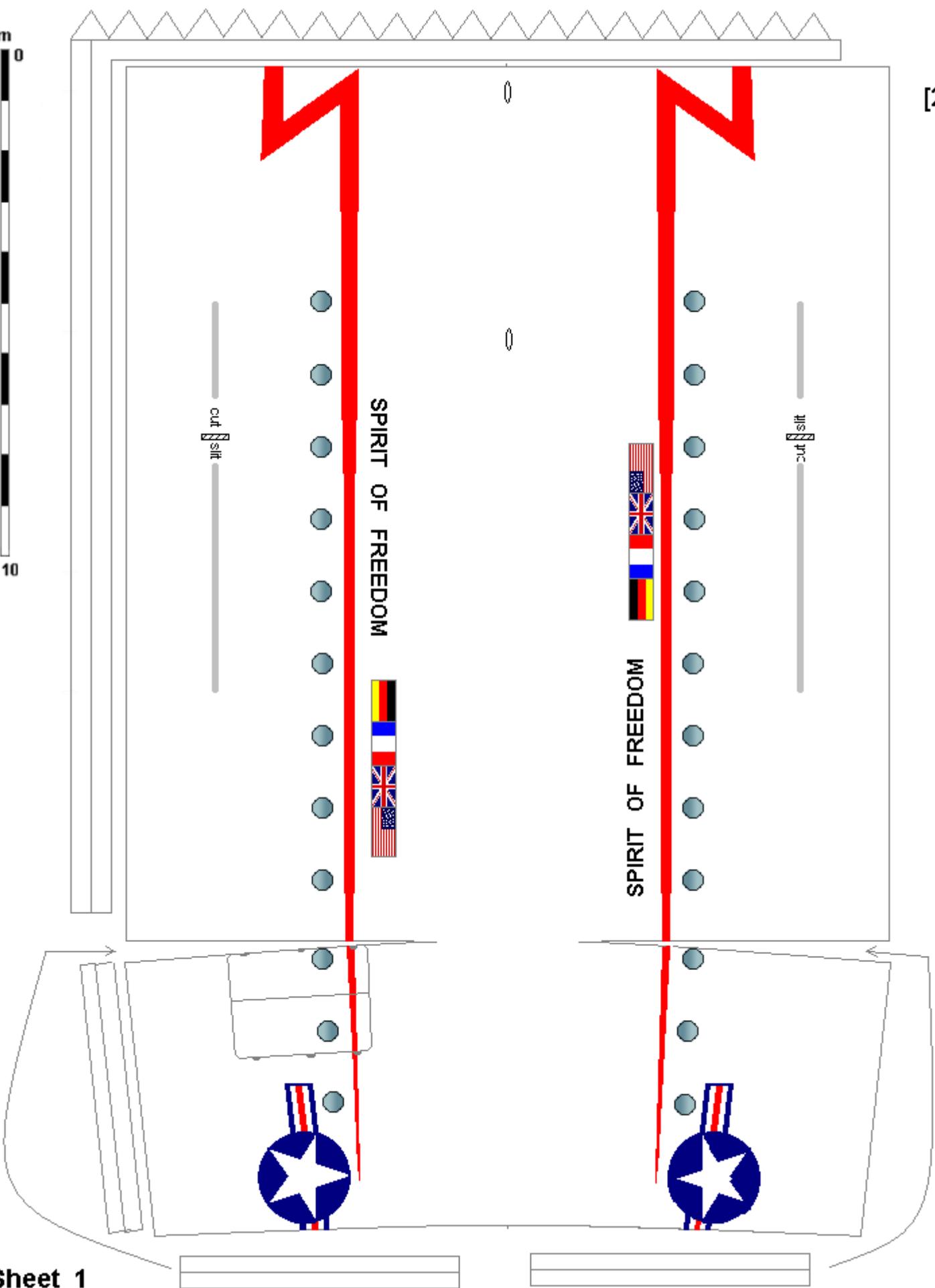
Radio Masts

38. Cut out, fold and glue 3 radio masts - 2 on positions marked on the top of the cockpit ([26]), and [27] on top of the rear fin. Between the latter, and the most forward mast, a fine cotton thread for the aerial can be slung.

---oooOooo---



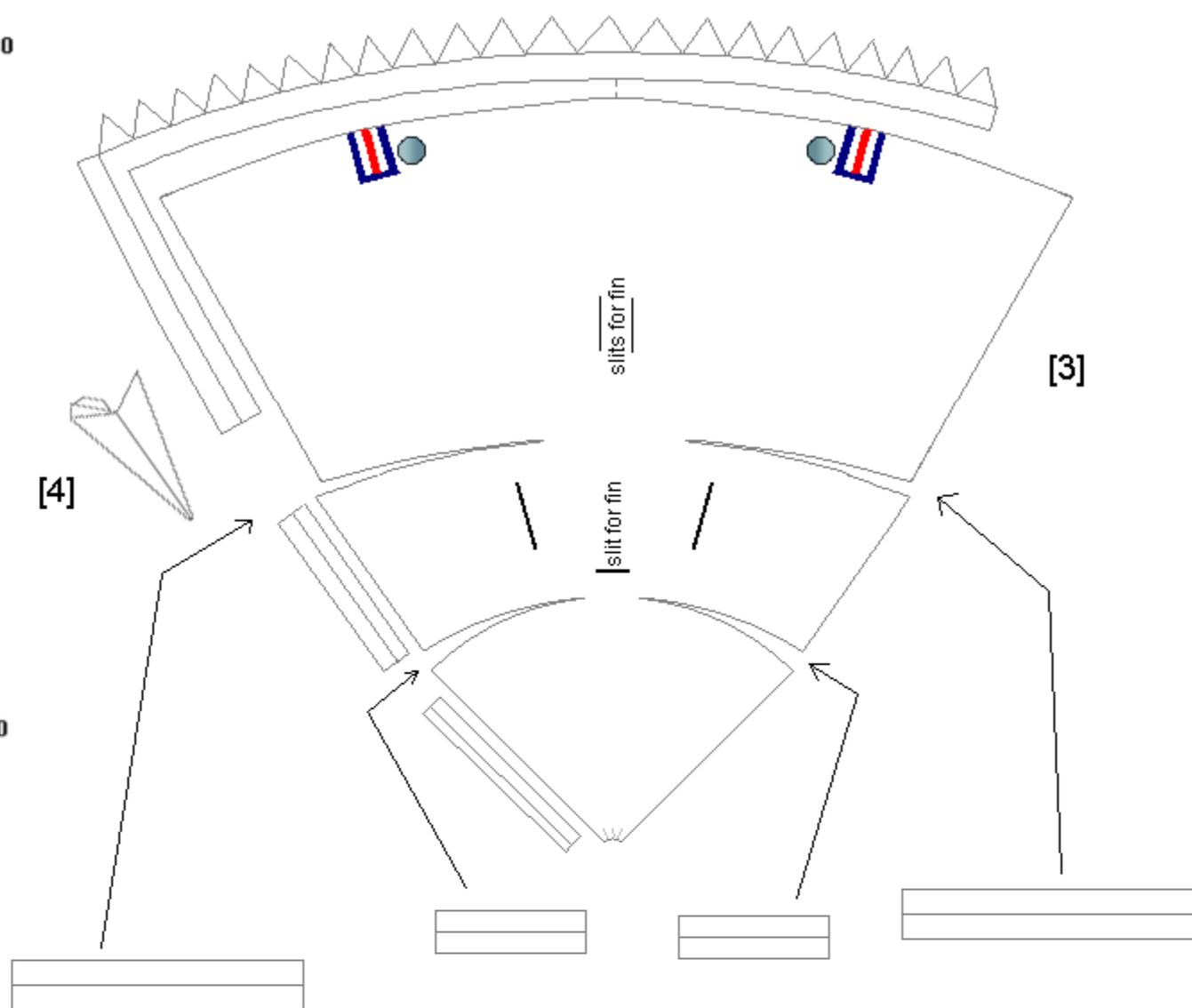
[2]



Sheet 1

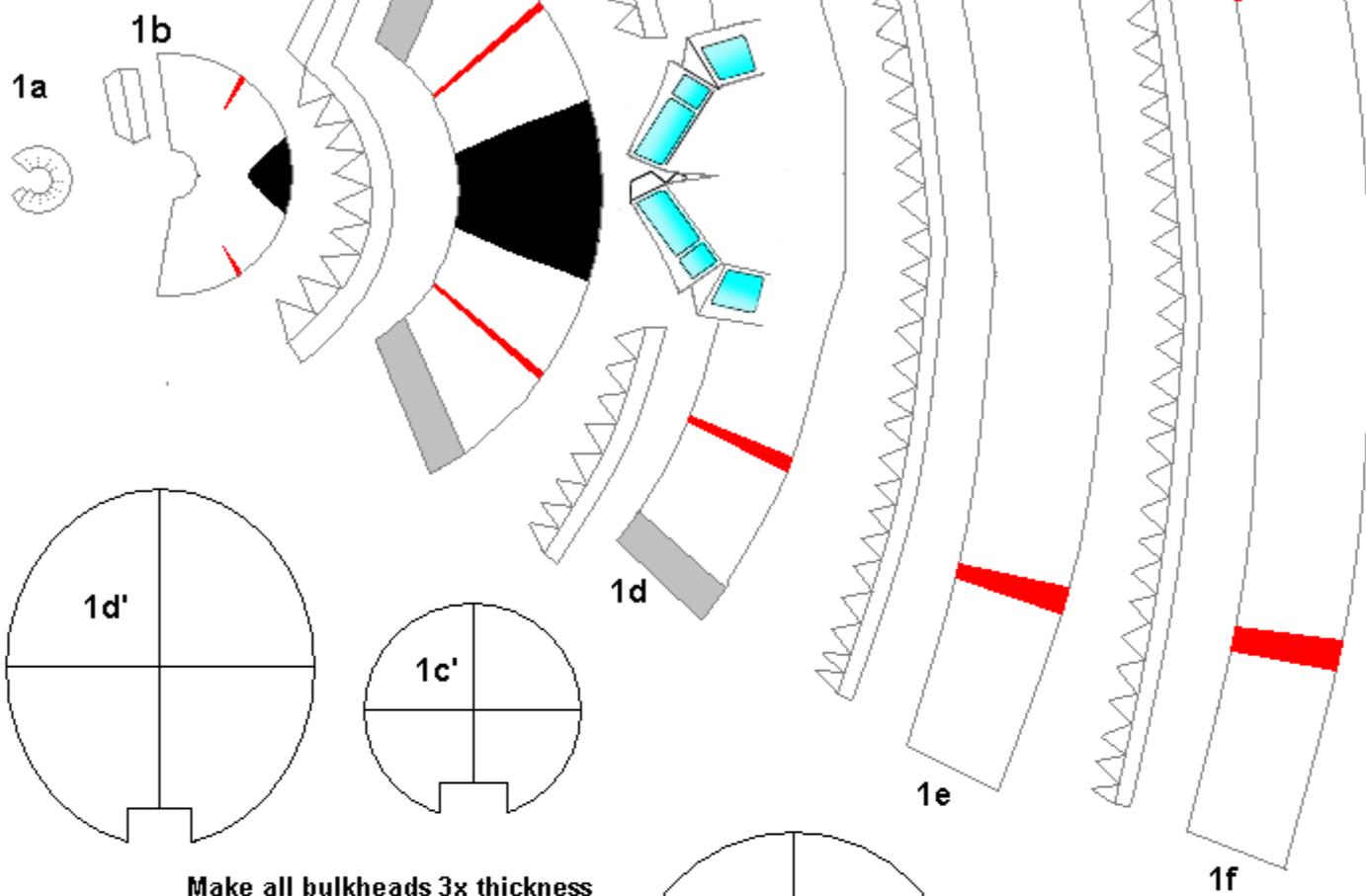
C-54

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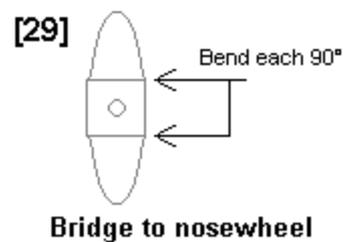
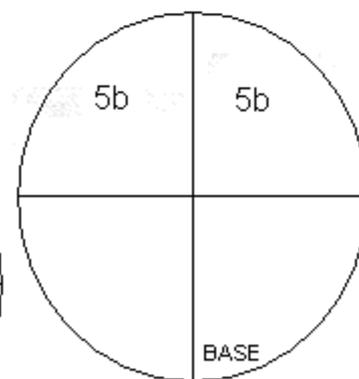
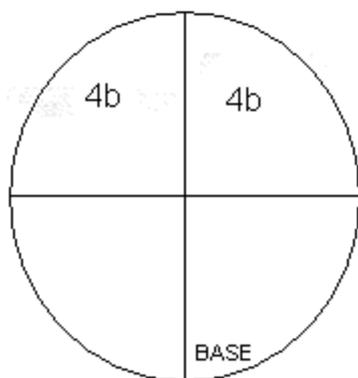
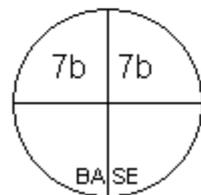
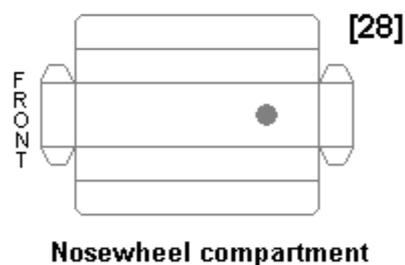
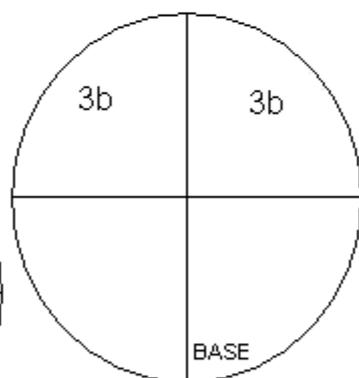
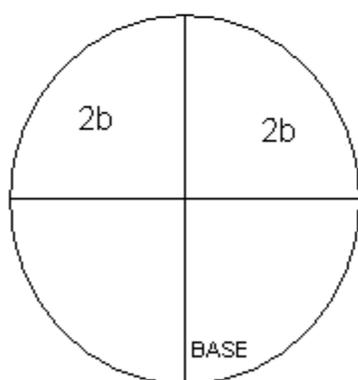
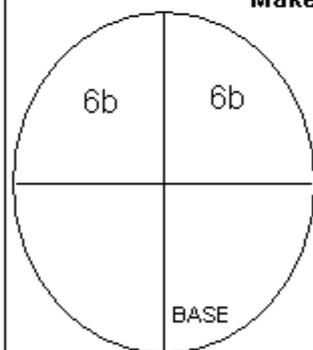


Sheet 2

C-54



Make all bulkheads 3x thickness



Sheet 3

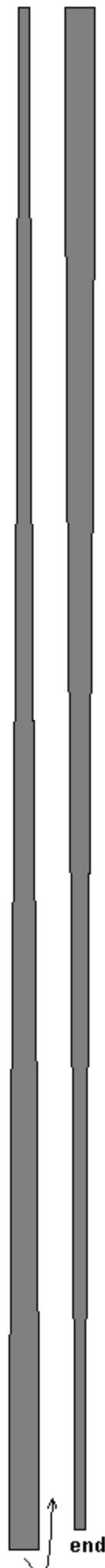
C54

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start

1 x nose wheel



start

4 x main wheels



start

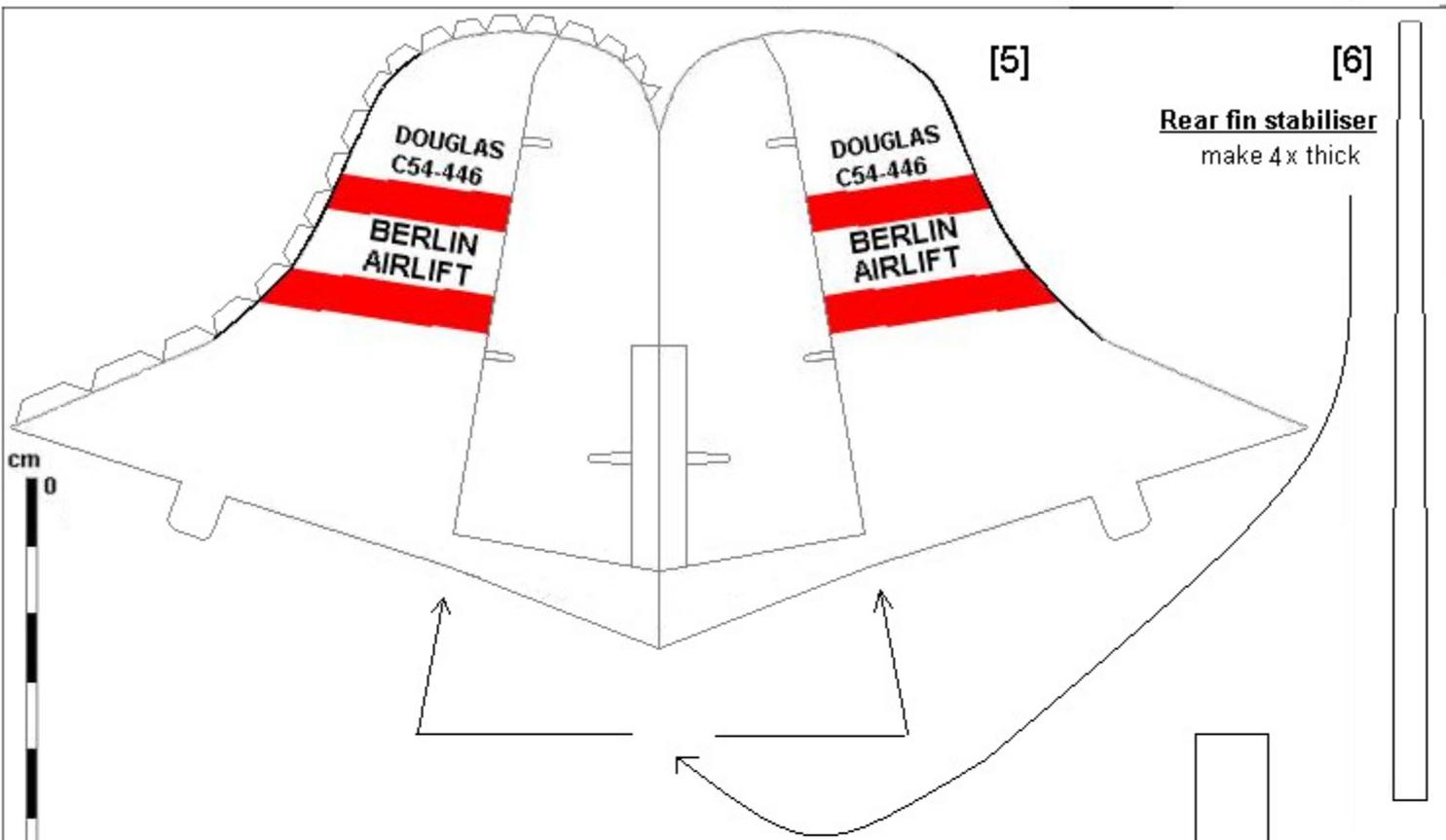


start



start

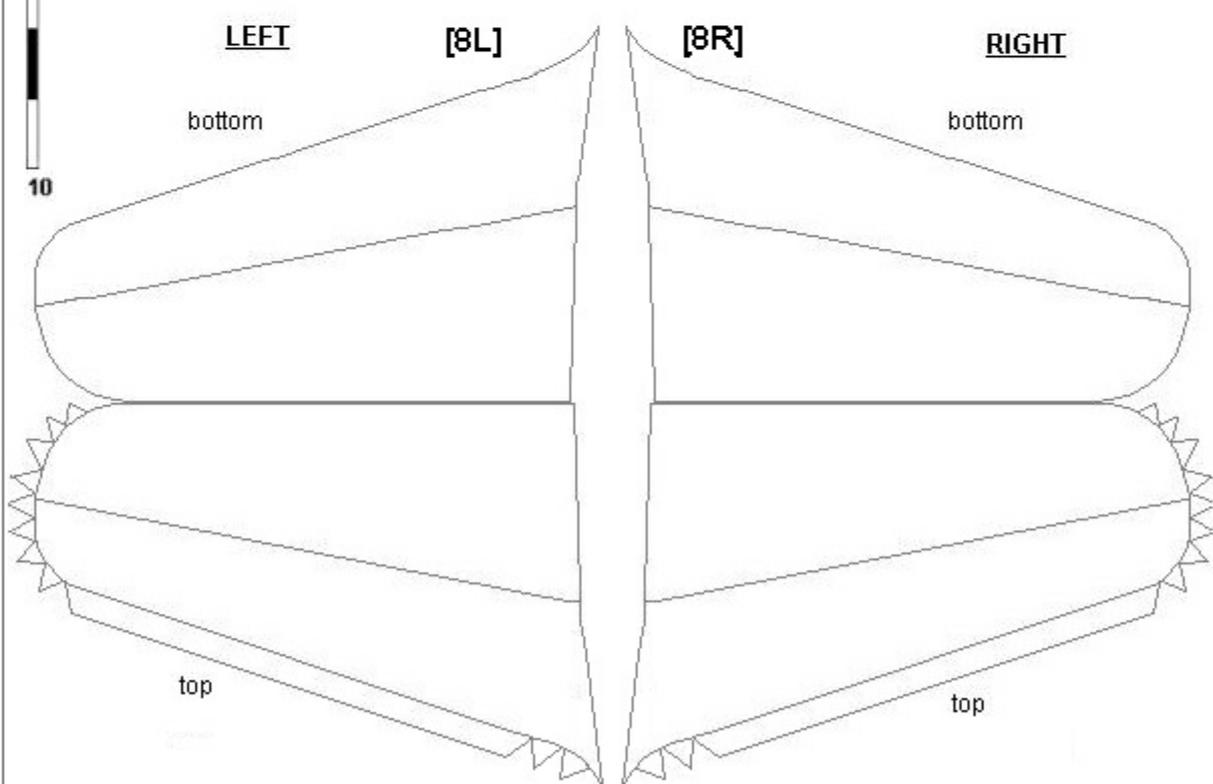




[5]

[6]

Rear fin stabiliser
make 4 x thick



LEFT

[8L]

[8R]

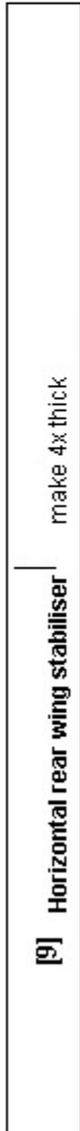
RIGHT

bottom

bottom

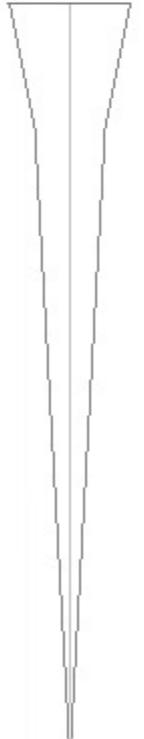
top

top



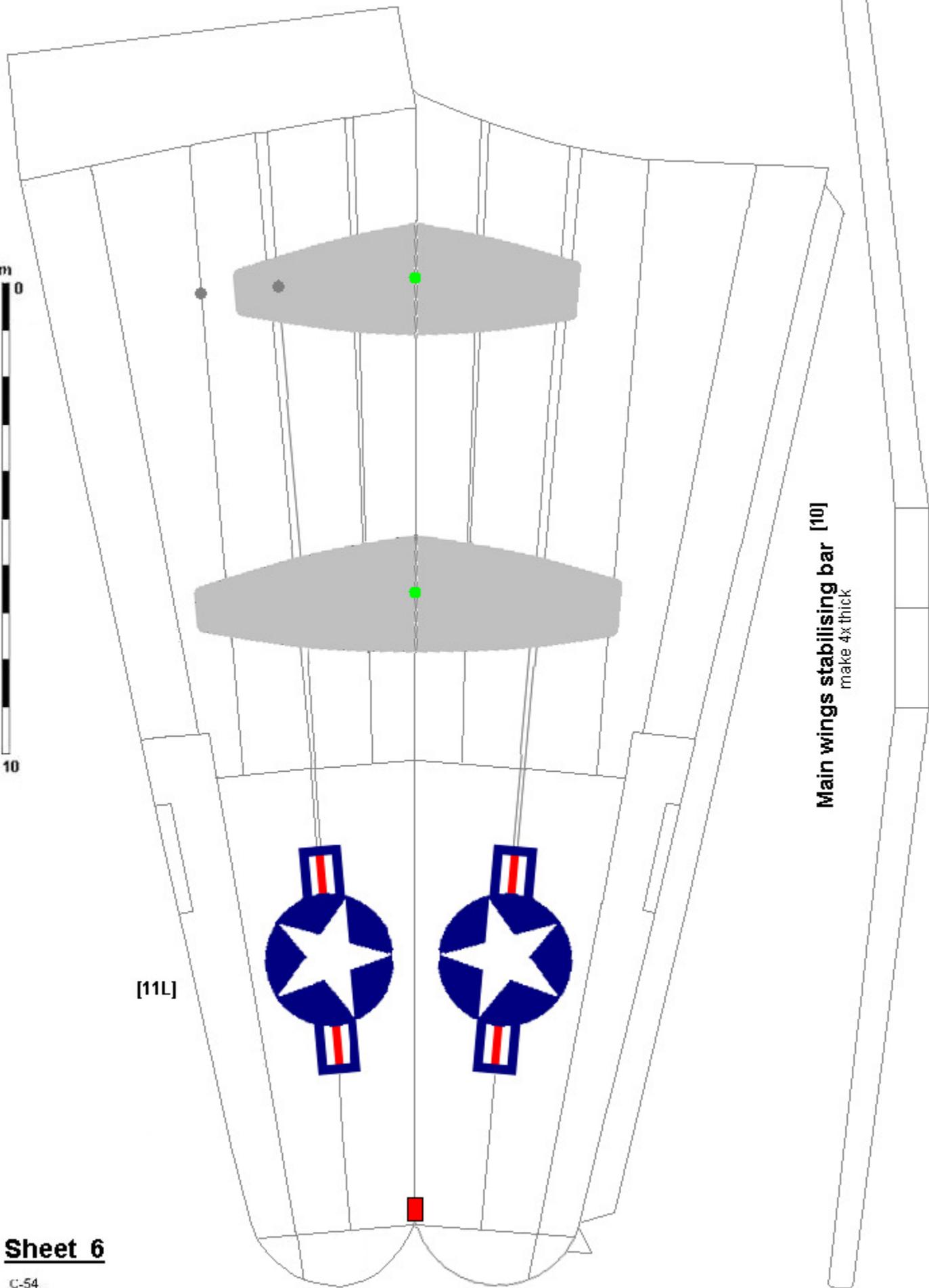
[9] Horizontal rear wing stabiliser
make 4x thick

Rear fin streamliner
[7]



Sheet 5

C-54



Main wings stabilising bar [10]
make 4x thick

[11L]

Bottom Top

Bottom

Top

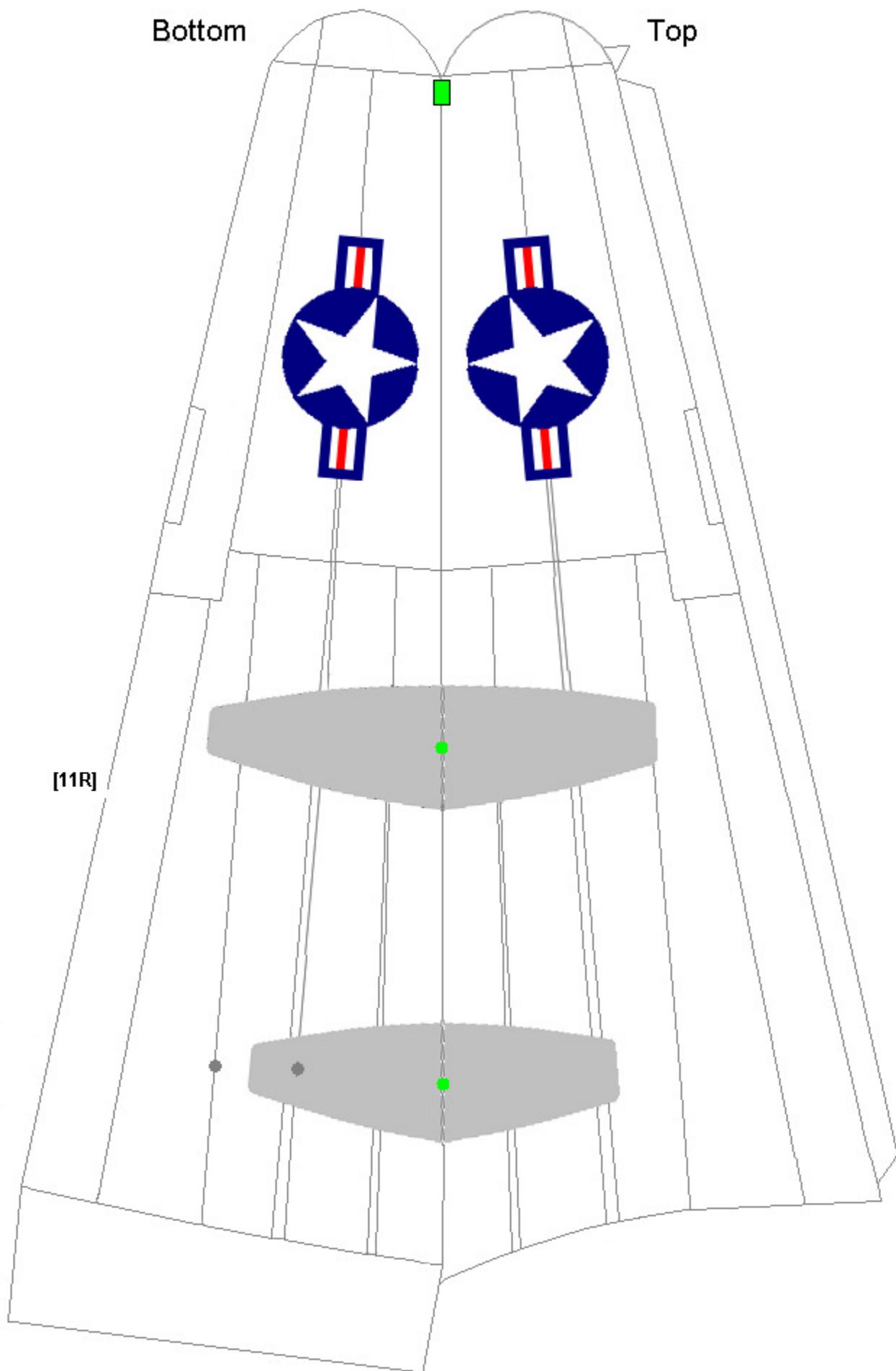


[11R]

Sheet 7

C-54

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[12]

Nose wheel axle sleeve

Roll and glue, slip on
nosewheel axle (cocktail stick)

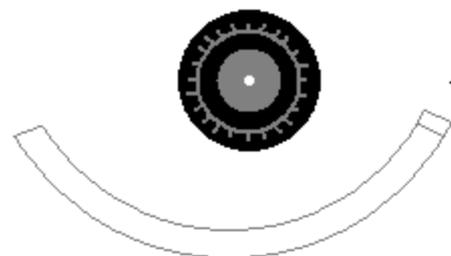


Main wheels axle sleeves [13]

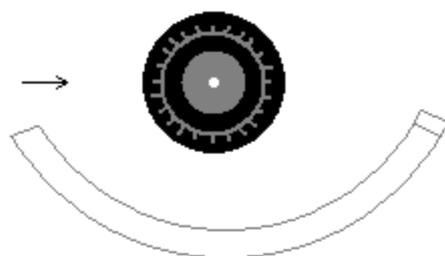
Roll and glue, slip on main wheel axles (cocktail sticks)

Print on Paper

Outer Left



Outer Right



[14]

← make 3x thick →

[15]



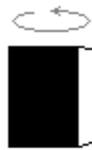
Exhaust

[29]



Air Intake [20]

Fold 90° along dotted lines, & glue in place on top of engine cowling just behind propellers.



Exhaust

[29]

cm

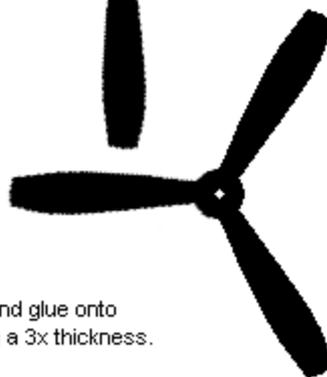
0

10

[16]

[17]

[18]



Glue 2 propellers onto card, cut out, and glue onto each of the 2 propeller backs -- giving a 3x thickness.

cm

0

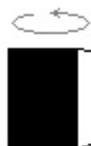
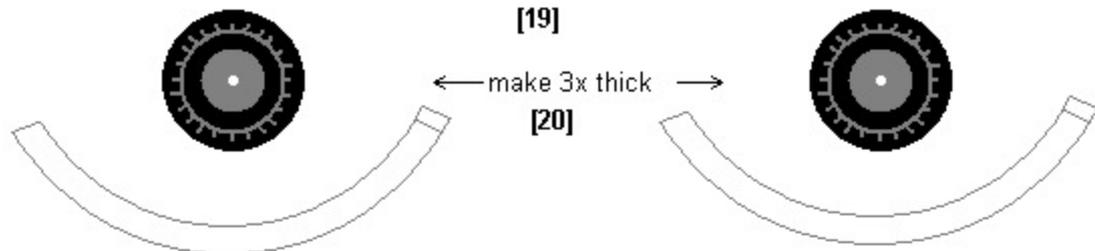
Inner Left

Inner Right

[19]

← make 3x thick →

[20]



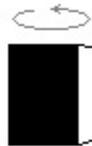
Exhaust

[29]



Air Intake

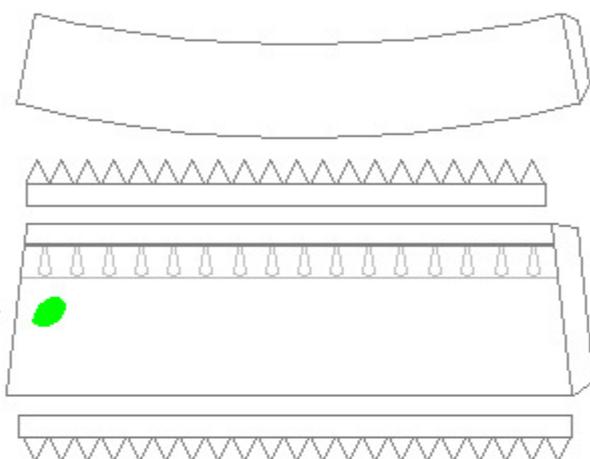
Fold 90° along dotted lines, & glue in place on top of engine cowling just behind propellers.



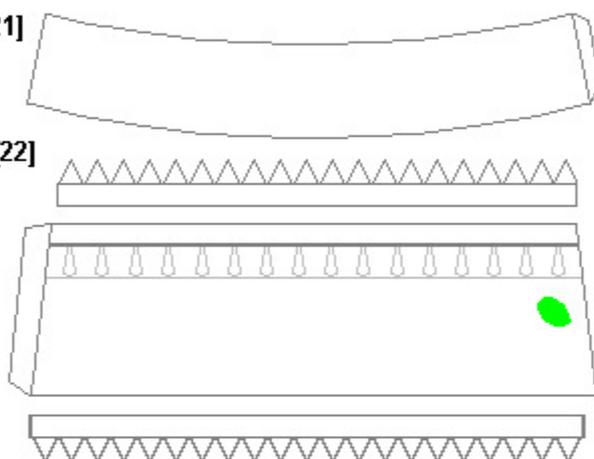
Exhaust

[29]

10



[21]



[22]



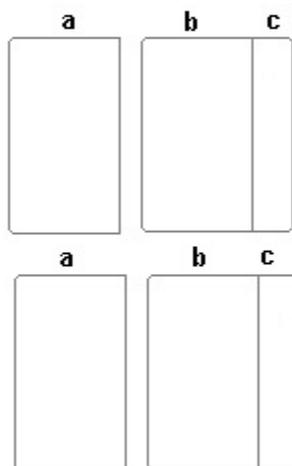
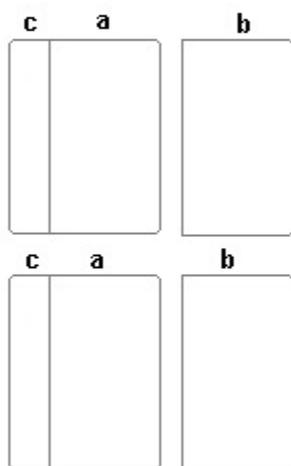
[23]



Glue 2 propellers onto card, cut out, and glue onto each of the 2 propeller backs -- giving a 3x thickness.

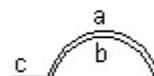


Landing Gear Compartment Flaps [25]



Left and right of each main wheel.
Bend 'c' tab 90°, round 'a' and 'b' longitudinally with a pencil, then glue 'a' on 'b'. Glue tab 'c' onto fuselage.

End profile



Fold and glue →  [27]
Aerial mast on top of rear fin

Fold and glue →  [26]
Communication masts, on top of cockpit

roll and glue on cocktail sticks

Propeller hub caps [28]