Bob's Card Models

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

Britten-Norman BN-2 Islander 1:36 Paper Model

The **Britten-Norman BN-2 Islander** is a 1960s British light utility aircraft, regional airliner and cargo aircraft designed and originally manufactured by Britten-Norman of the United Kingdom. The Islander is one of the best-selling commercial aircraft types produced in Europe. Although designed in the 1960s, over 750 are still in service with commercial operators around the world. The aircraft is also used by the British Army and Police forces in the United Kingdom and is a light transport with over 30 military aviation operators around the world. The model shown here is the BN-2A-26 Islander belonging to Germany's small regional airways "Luftverkehr Friesland Harle". The company's planes fly from Harlesiel throughout the year and nearly hourly. 'island-hopping' to the northern islands, as well as as charter flights throughout Europe.

Specifications (Wikipedia)

General

Crew	:	1 or 2 pilots
Capacity	:	9 passengers
Length	:	10.86 m
Wingspan	:	14.94 m
Height	:	4.18 m
Weight (empty)	:	1 667 kg
Weight (loaded)	:	2 994 kg
Powerplant	:	2 x Lycoming O-540-E4C5 or IO-540

Performance

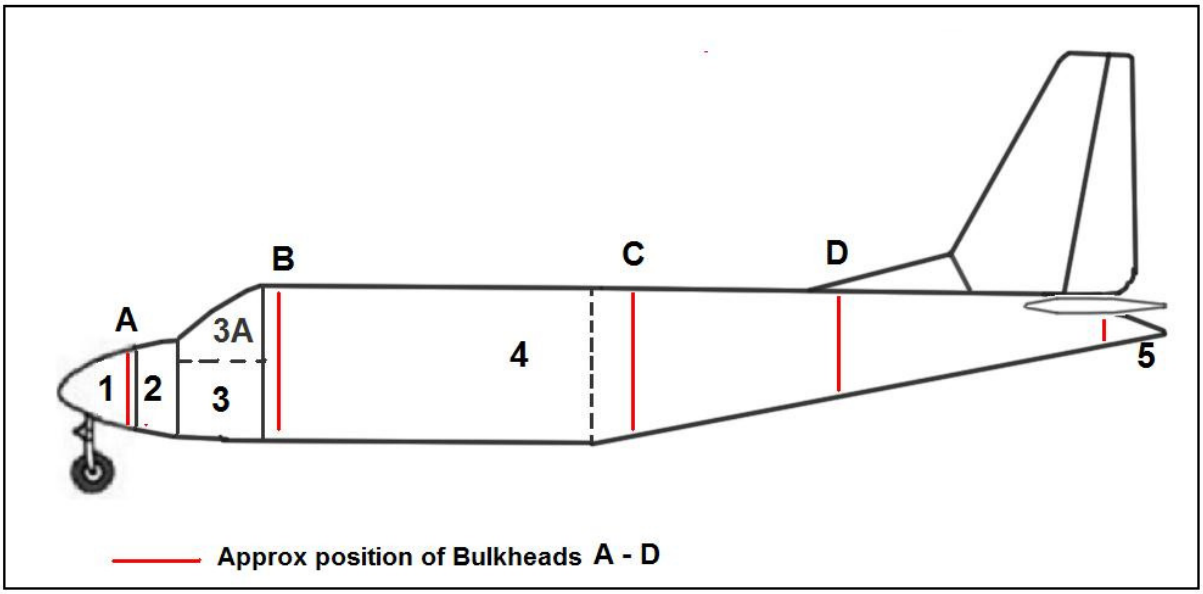
Max. speed	:	273 km/h
Cruise speed	:	257 km/h
Stall speed	:	64 km/h
Range	:	1 400 km
Service ceiling	:	4 024 m

Building Instructions

Print all sheets on between 160 and 230g card, except Instructions and Sheets 10 and 11 which should be printed on 80 - 90g Paper.
Always carefully fit parts together before gluing, and make minor adjustments if necessary.
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.

The plans are based on the model shown on the company'ts web site ….
http://www.inselflieger.de/interaktiv_broschueren.php , an excellent model with few parts , but I wished to reduce the 'boxiness' of the model a little bit, unfortunately thus increasing the number of parts and sheets to cut out... The basic 3D outline of the aircraft I found at
http://greenairdesigns.com/ejcgallery/displayimage.php?album=27&pid=867 and
http://richard.ferriere.free.fr/3vues/islander_bn4_3v.jpg .

Fuselage



1. Cut out part **4**, Glue on tabs of front and rear parts.
2. Round, close and glue rear part.
3. Close/glue cone part **5**, insert through **4** and glue in place at rear end of **4**.
4. Insert bulkhead (BH) **D** in the middle of rear end of **4 -** do not force a tight fit, and glue.
5. On front of rear part of **4**, glue on the 2 side tabs, and glue the front to the rear portion.
6. In front of **4**, glue BH **B** lightly in place. Glue tab **3/4** onto **4**.
7. Close/glue parts **1** and **2**. NB do not yet close front point of **1** – this will be undertaken only after finally inserting balancing weight.
8. Insert/glue BH **A** lightly in place inside part **1**.
9. Cut slit for windscreen in part **2**.
10. Glue **1** onto **2**.
11. Cut out **3**, bend 90° rounded folds on the 2 grey strips, glue part onto **2**, then unit **1/2/3** onto **4**.
12. Glue on cockpit **3A**.
13. Glue a weight of masss 10-20g in the nose cone for stability, and then close nose cone.

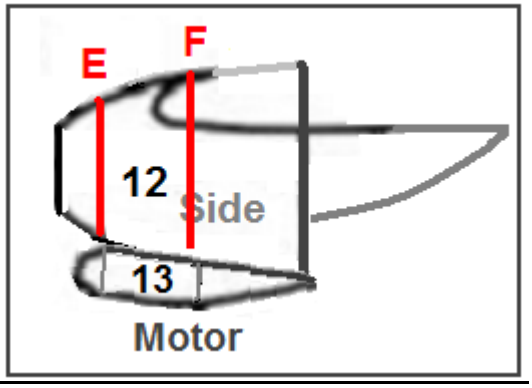
Wings

14. Cut out both wings **6R** and **6L,** fold and glue each tab.
15. Assemble, and fold/glue Spar **7**. To strengthen, insert/glue thick cardboard through the centre.
16. Cut out Wing Join **6M**.
17. Insert and glue Join **6M** into one wing, insert Spar with glue on upper and lower surfaces
18. Put glue on upper and lower surfaces of other end of Spar, and on Join, insert second wing.
19. Glue assembled wing onto fuselage, in position marked.

Tailplane

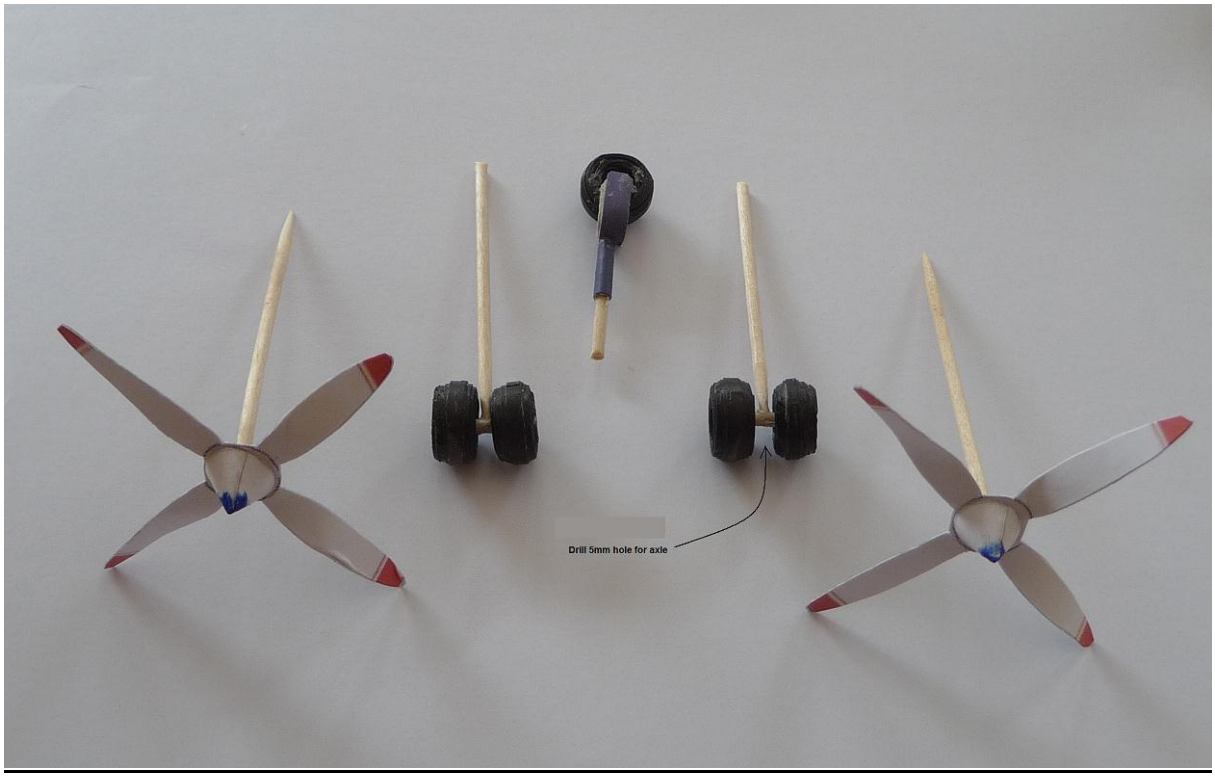
20. Cut out parts **6-11**, and fold and glue all relevant parts.
21. Cut out green area in Stabiliser **6**, insert and glue Fin **7** in place (don't forget red warning lamp **9** on top of fin).
22. If necessary, use paper flash to cover join of fin to stabiliser.
23. When dry, glue assembly in place, on to top of fuselage.

Engines (4)



24. Cut out and assemble parts **12-16.**
25. When motor is assembled, Cut out green area on part **12**, and pierce a hole in the green curved line on part **13**, and cut out slit.
26. Glue motor on wing, on position marked, then glue part **13** in place.
27. Slide part **14** through slit in **13**, and glue in position (Note: wheels/axis will be added later.
28. Part **13** (which is composed of 3 parts) does not exist on the sheet! Fabricate simply by rolling a cylinder for the central part, a cone for the rear, and using thin paper (newspaper, for example), make a round ball by rolling with glue between fingers. This is for the front section. Whiten the grey ball using correction fluid (Tippex), and blacken thecocktails centre with a black felt pen.

Wheels/Undercarriage



29. Cut out the strips for the 5 wheels, roll/glue, and attach to cocktail sticks as shown.
30. Front wheel: cut out Front Wheel Bracket **17**, bend around a rod or pencile, strengthen with card, pierce top for inserting/gluing the vertical axle (cocktail stick)he . Roll/glue a dark blue or black piece of paper around the visible wood part of the cocktail stick. Glue in position in the front portion of the fuselage.

31. 4 Main Wheels: cut out the 2 parts **14**, fold glue. Fit/glue in place in the slit provided in the rear of the motors. Insert the Wheel assemblies, and glue in place.

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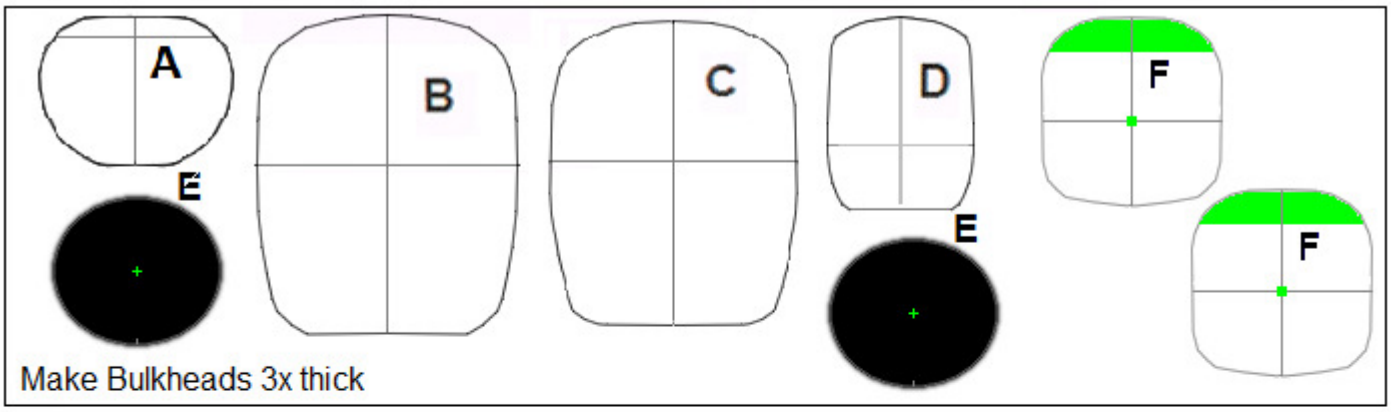
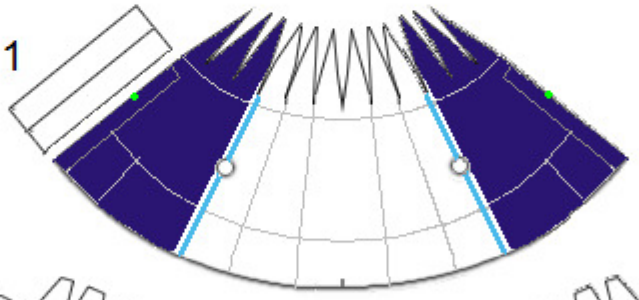
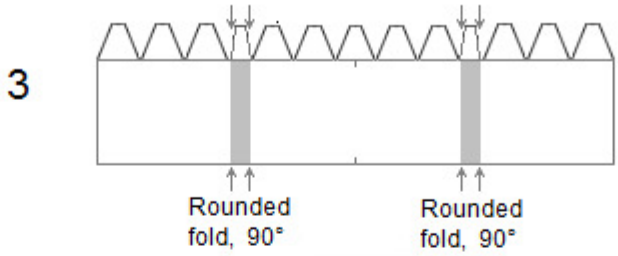
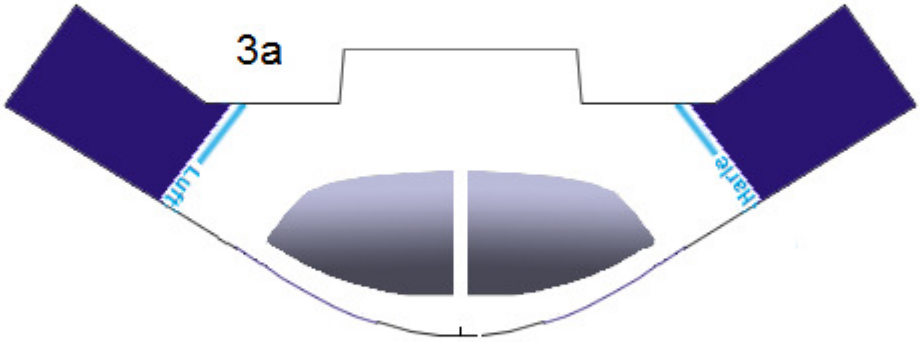


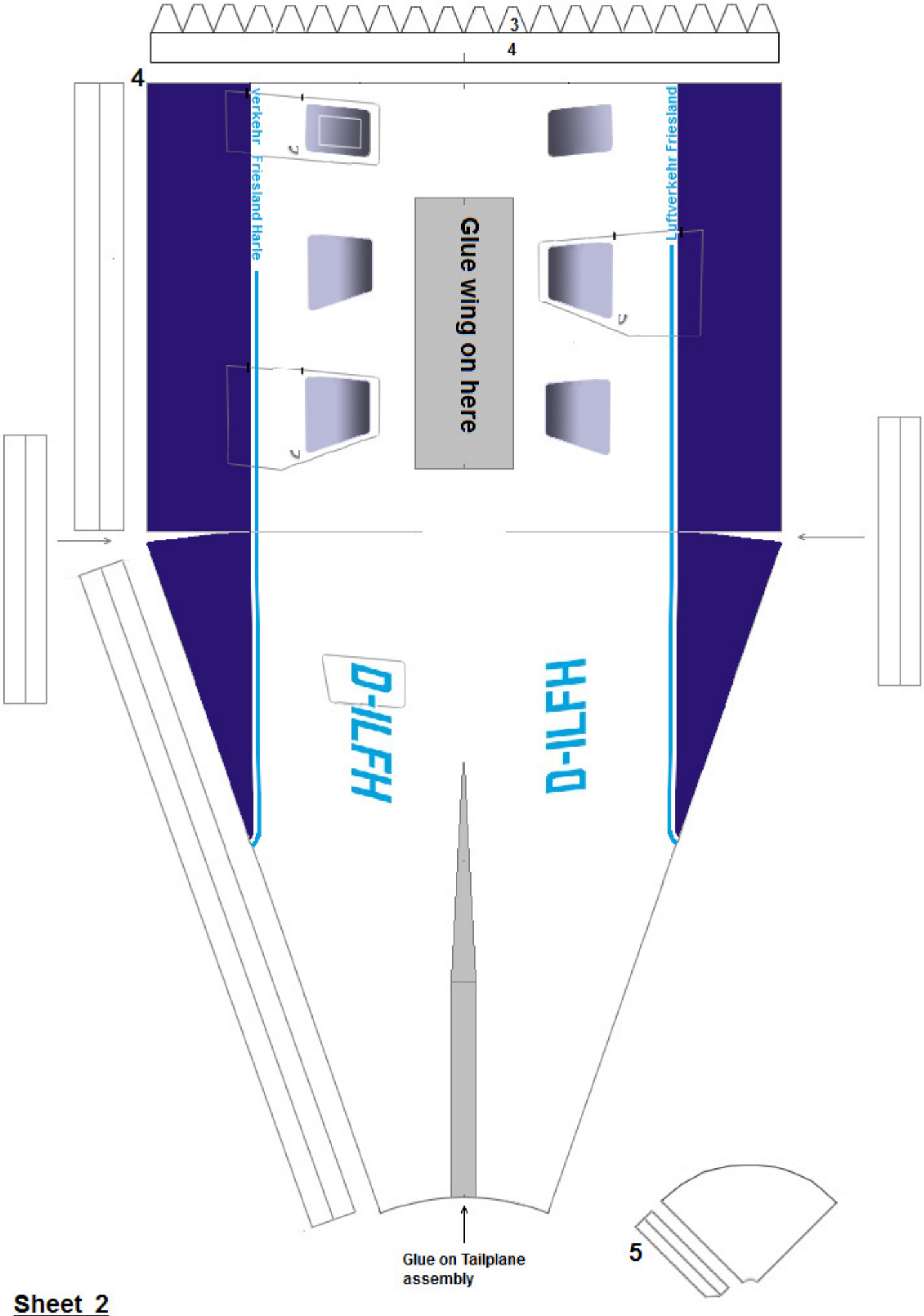






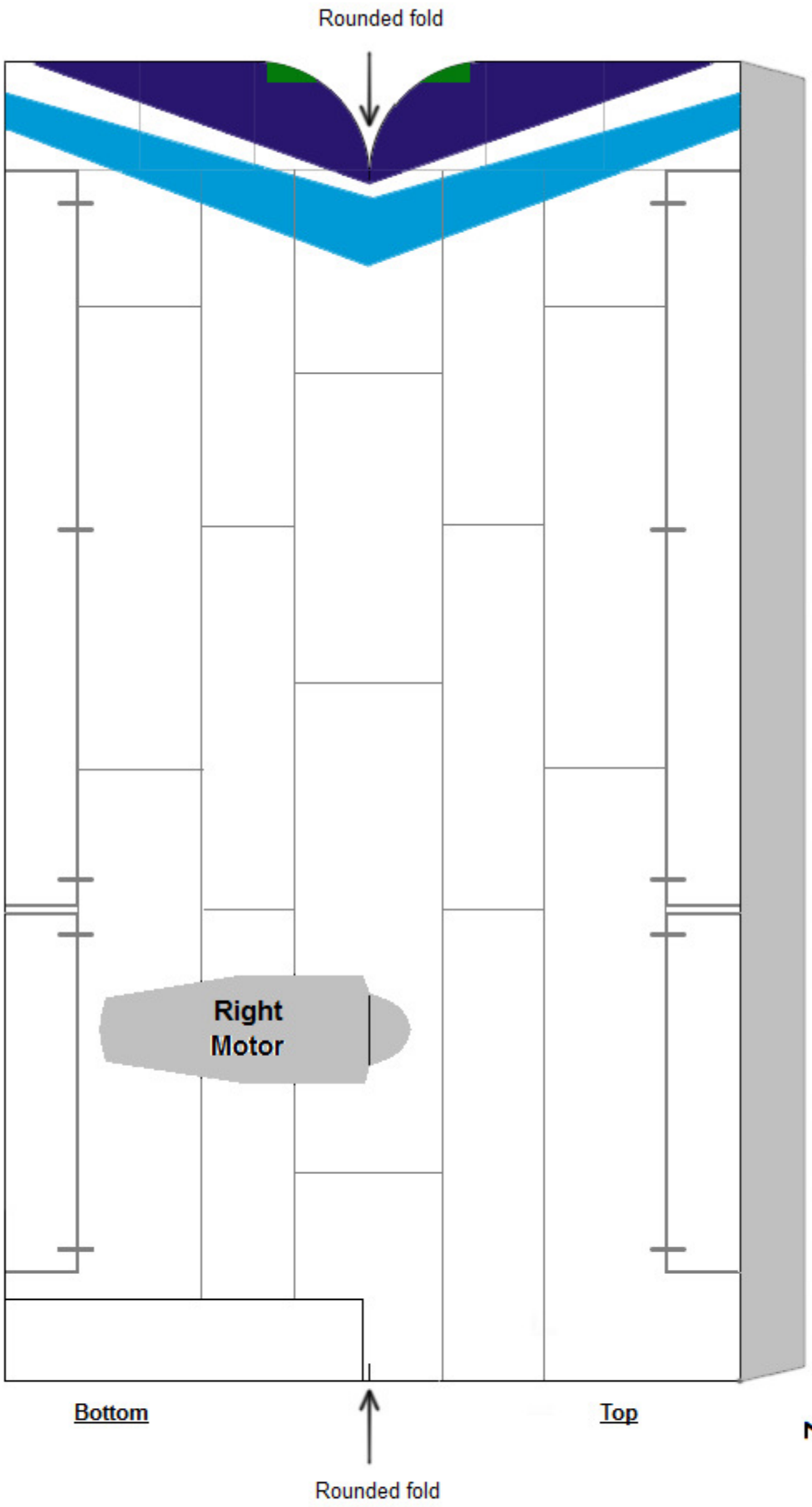
Sheet 1

BritNorman

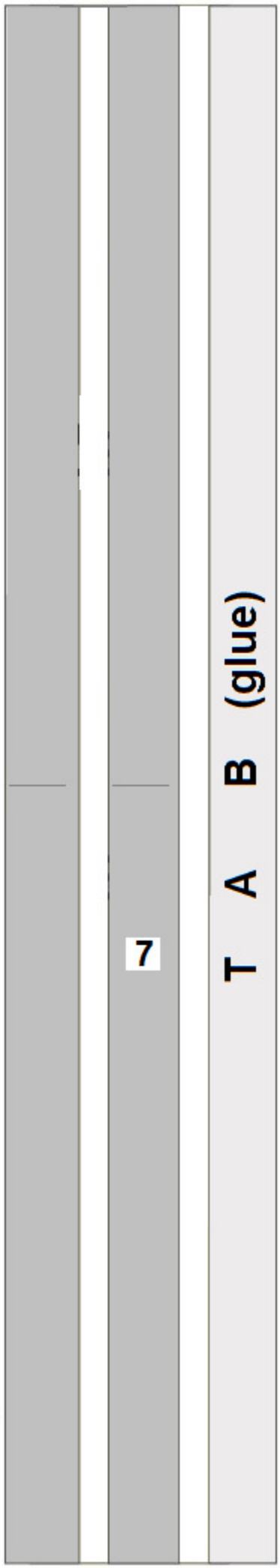


Sheet 2

BritNorman



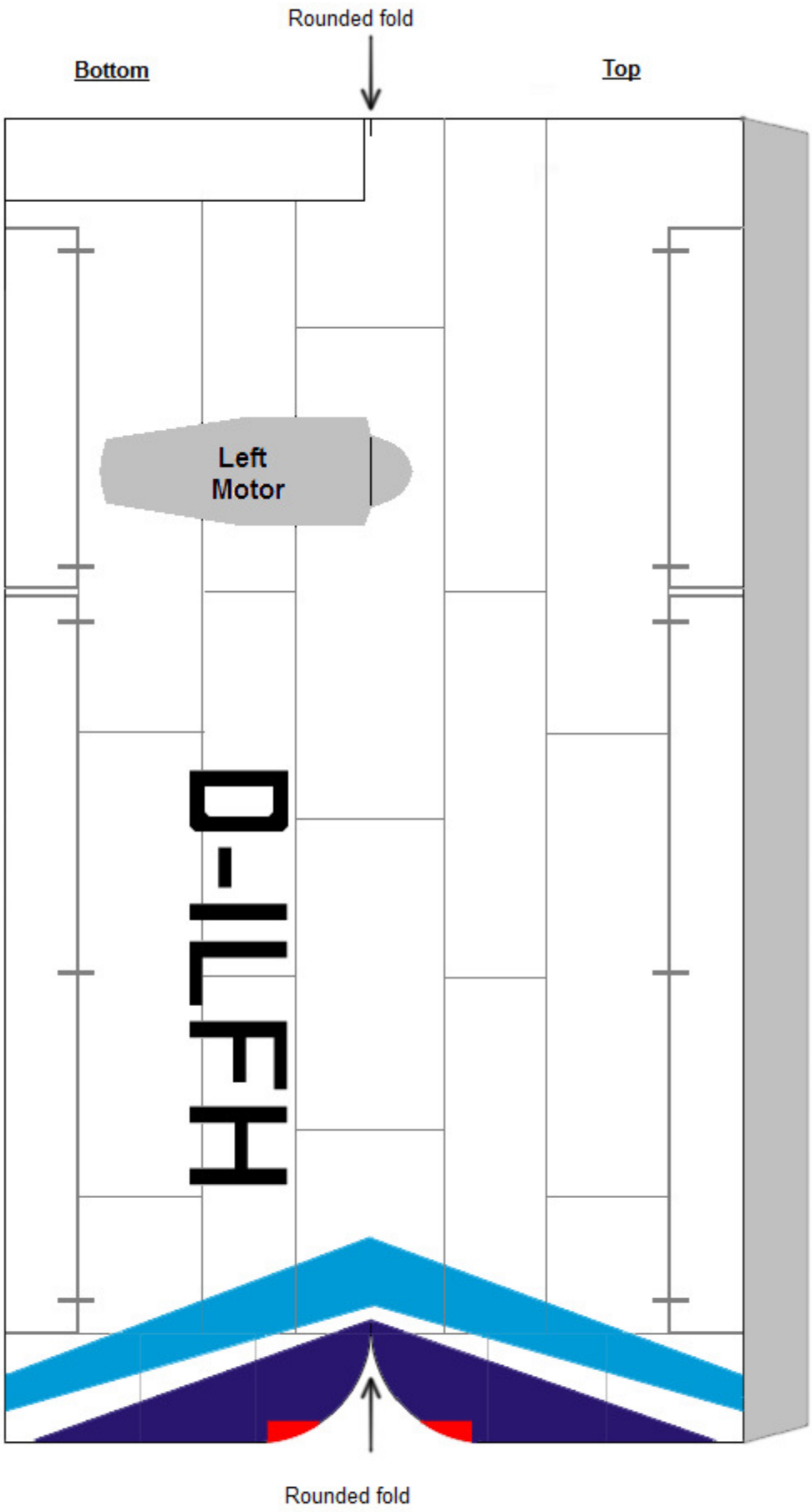
Right Wing **6R**



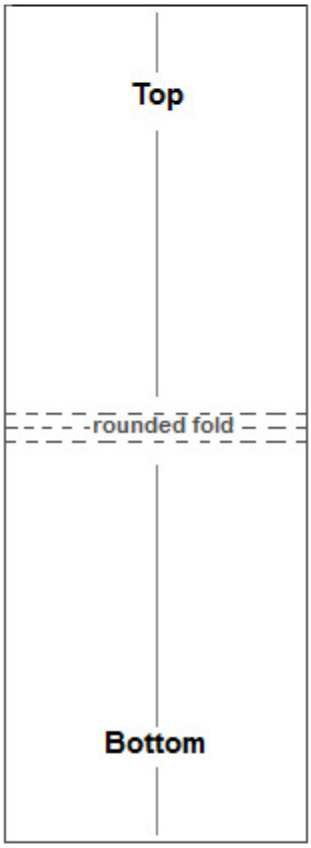
Wing Join 7

Sheet 3

BritNorman



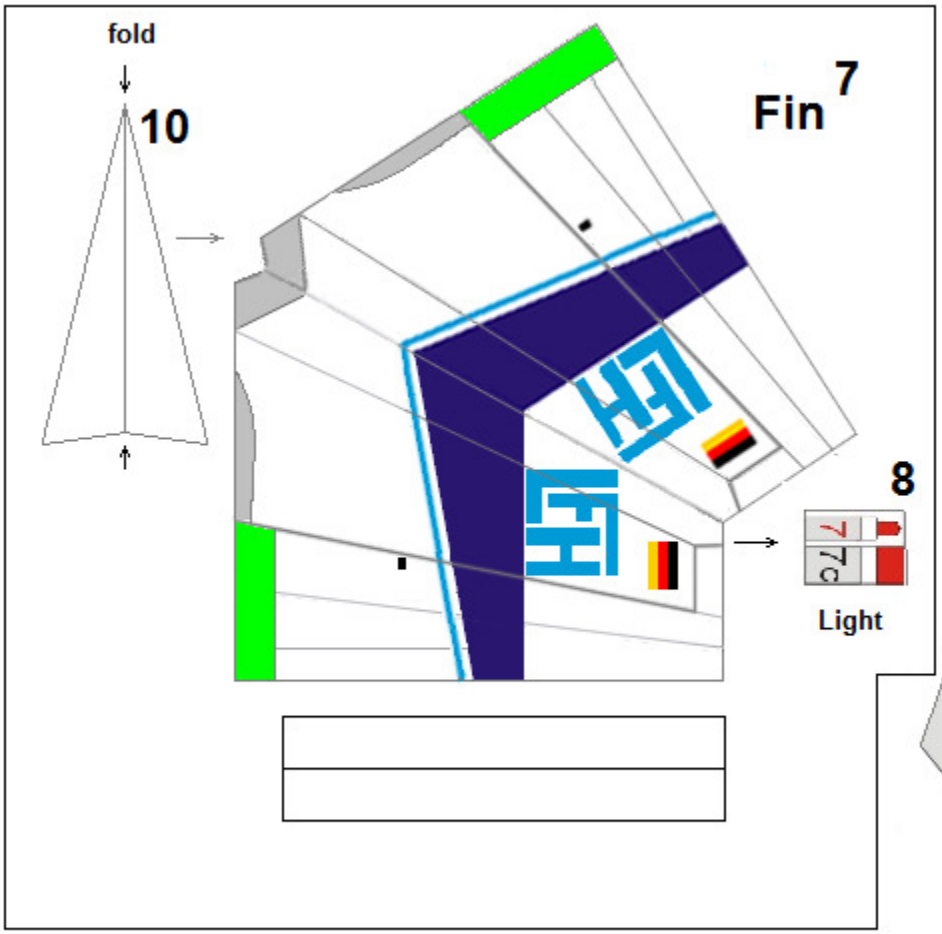
Left Wing 6L

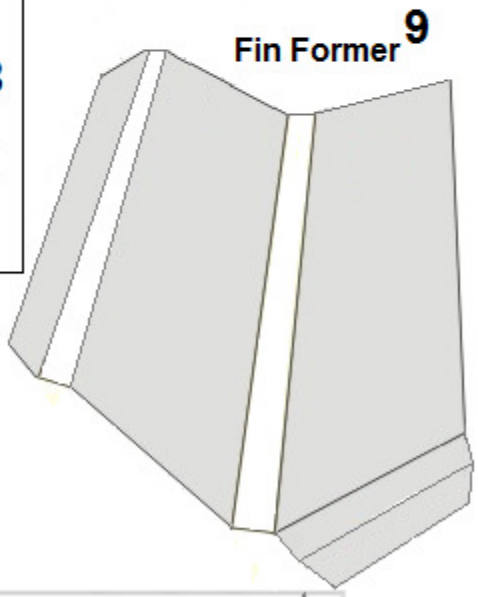


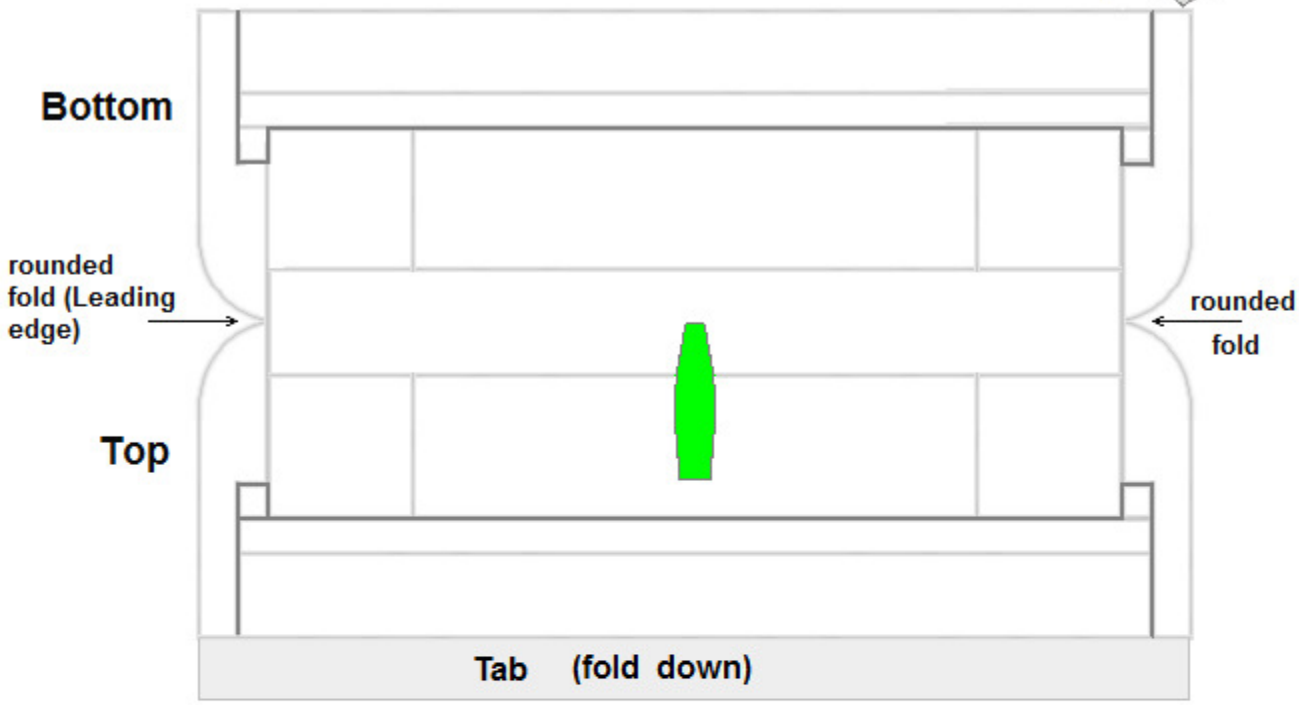
Wing Join 6M

Sheet 4

BritNorman



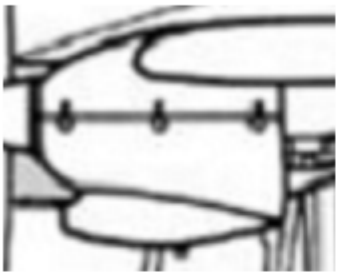




Stabiliser 6

Sheet 5

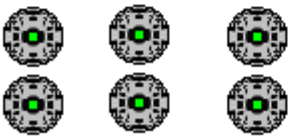
BritNorman

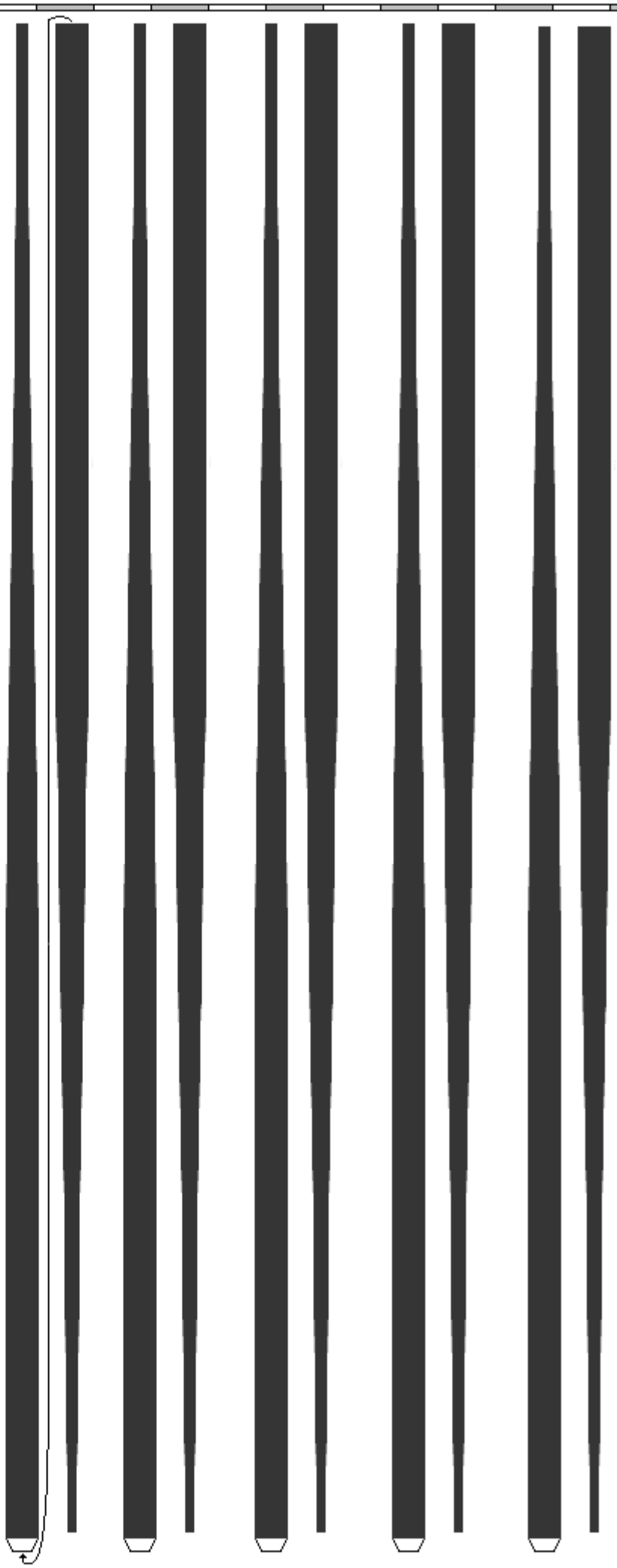


Front wheel bracket 17

Bend to a horseshoe shape,

then strengthen with card





Sheet 6

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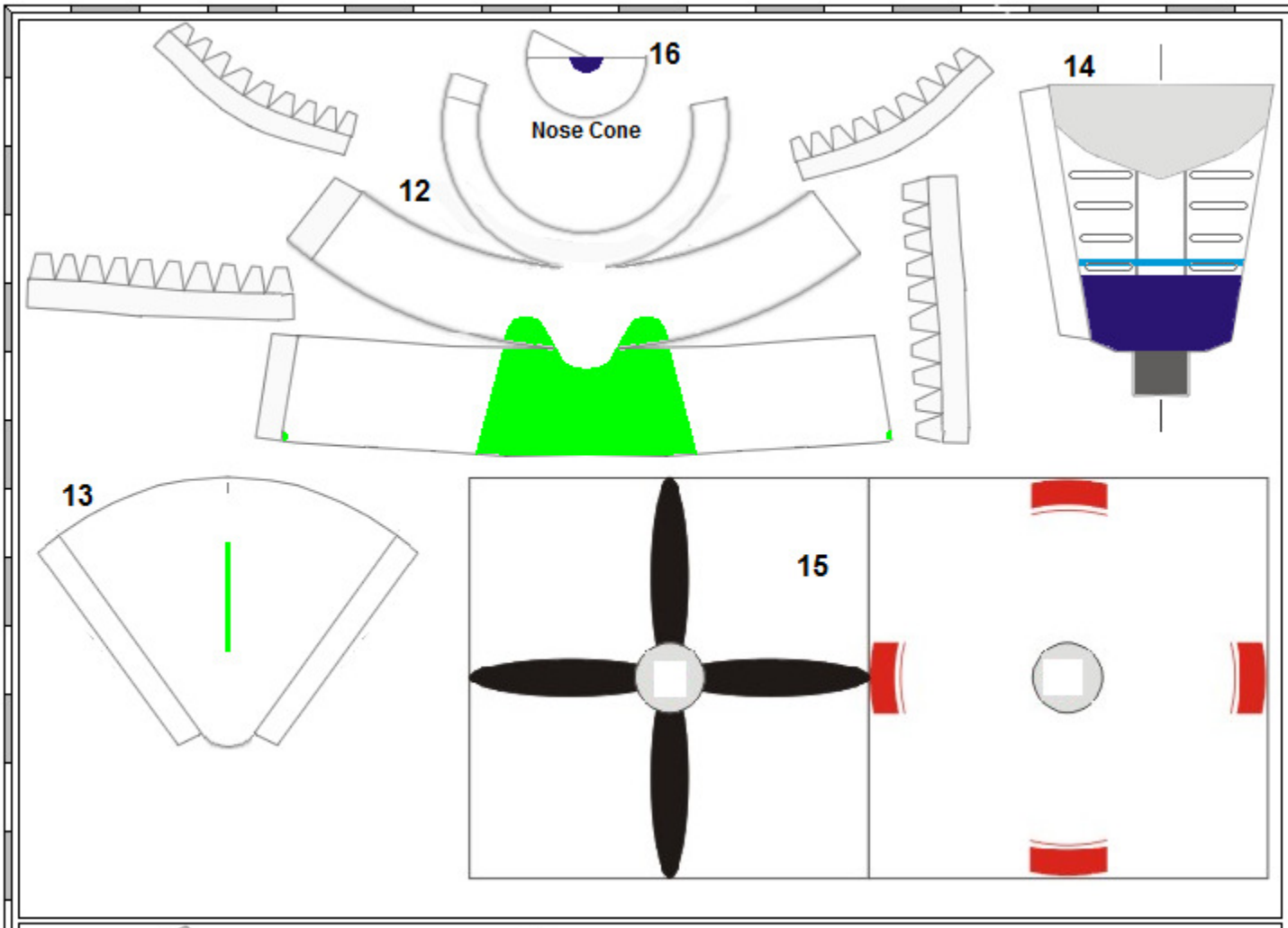

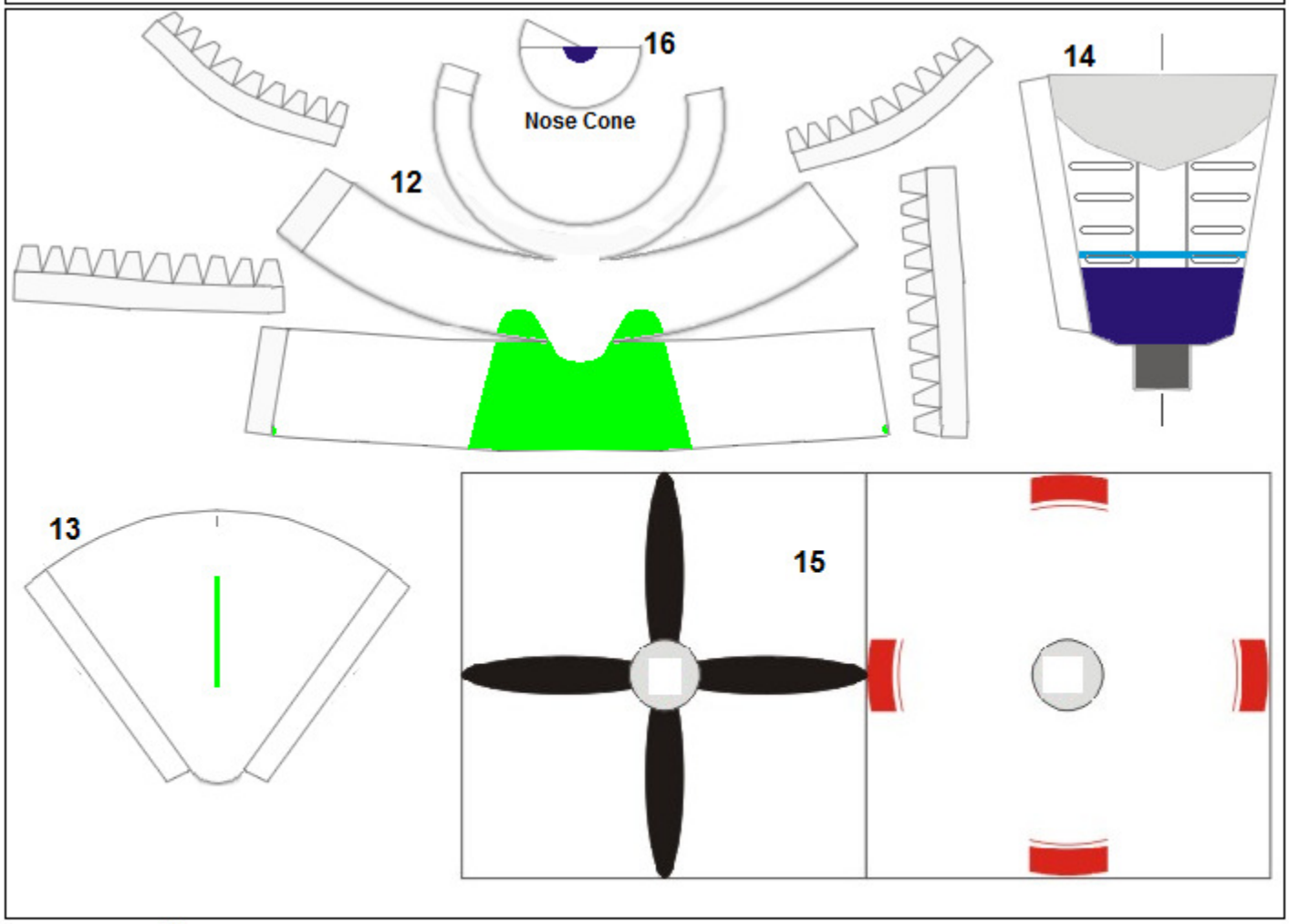

Sheet 7

BritNorman