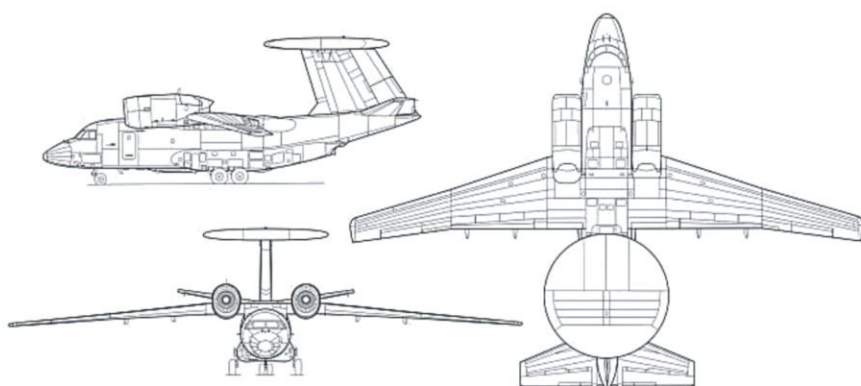


Antonov An-71 'MADCAP'

Card model



SCALE 1:48



Model	An-71
Into Service	1985
Crew	6
Dimensions	
Span	31.89 m
Length	23.5 m
Height	9.2 m
Powerplant	
Type	2*7500kg D-436K turbofans, 1*2900 kg RD-38A
Performance	
Maximum Speed	650 km/h
Cruise Speed	530 km/h
Ceiling	10,800 m
Armament and Equipment	
Armament	none

In 1982 the Soviet Ministries of Defence, Air Industry, Electronic Industry and Communications Industry launched an R&D programme to produce a tactical AWACS platform.

The design of the radar was entrusted to NPO 'Vega' in Moscow and numerous configurations were tested including conformal antennas, fore-and-aft mounted antennas and ones with dishes mounted above the fuselage.

The choice of a platform to carry the radar lay between variants of the An-32, An-12, An-72 or a new dedicated design.

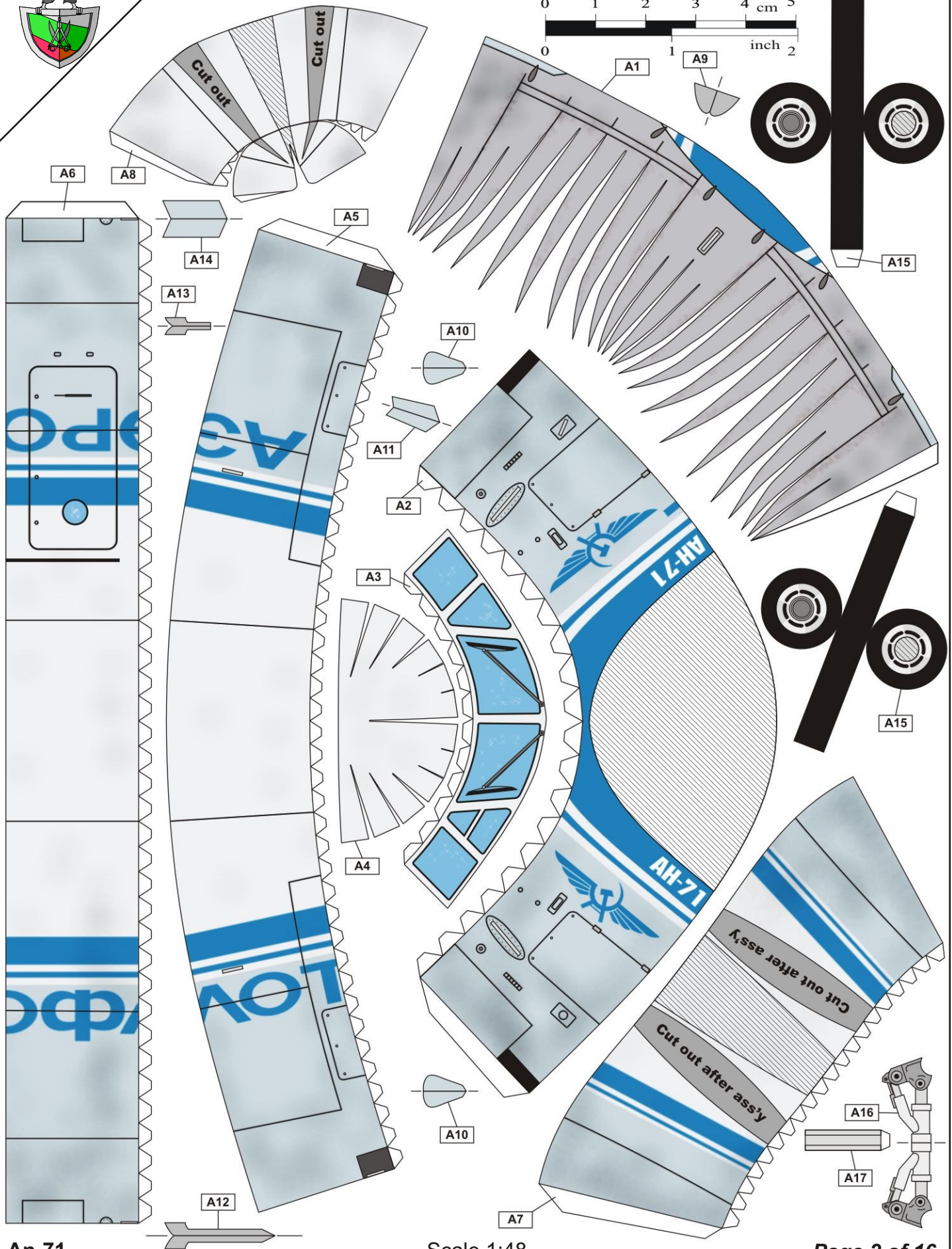
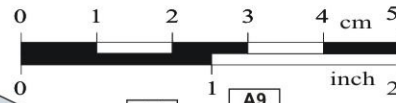
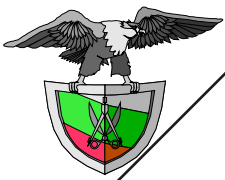
In the final quarter of 1983 the results of all the researches were collated and the decision to adopt a dish antenna on an An-72 platform was taken.

The rear fuselage and tail of the An-72 had to be re-designed. The new fin had forward sweep, greater chord and was thicker. The elevators were moved from the fin tip to the rear fuselage and, in order to move them out of the way of the engine exhaust, they were given dihedral and the whole rear fuselage was tilted up to place them 500 mm higher.

Equipped with more powerful D-436K engines, the An-71 still needed the addition of an RD-36A turbojet mounted under the rear fuselage to provide sufficient takeoff power.

Three aircraft were built - two flight test airframes plus one for static testing.

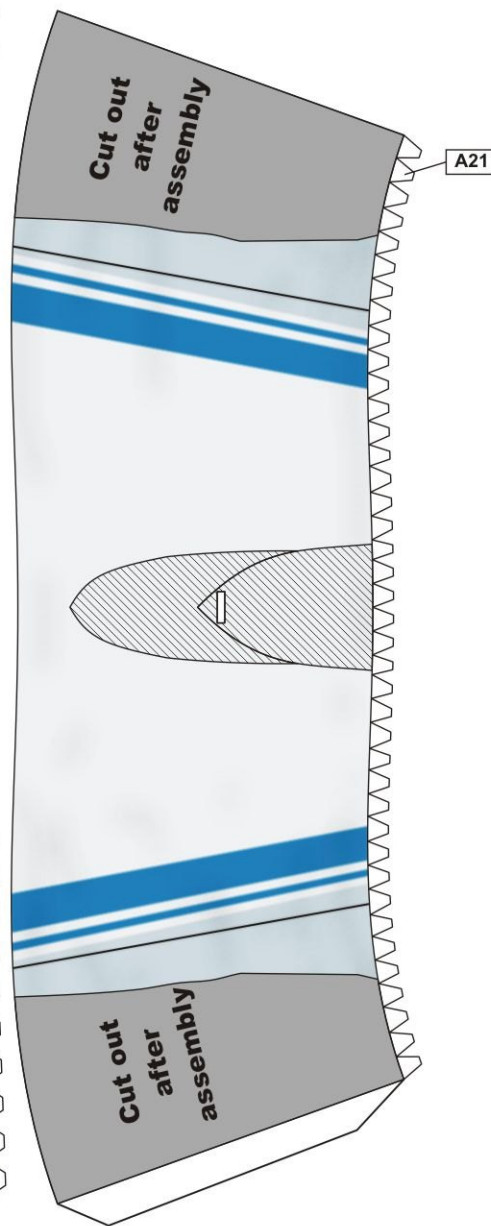
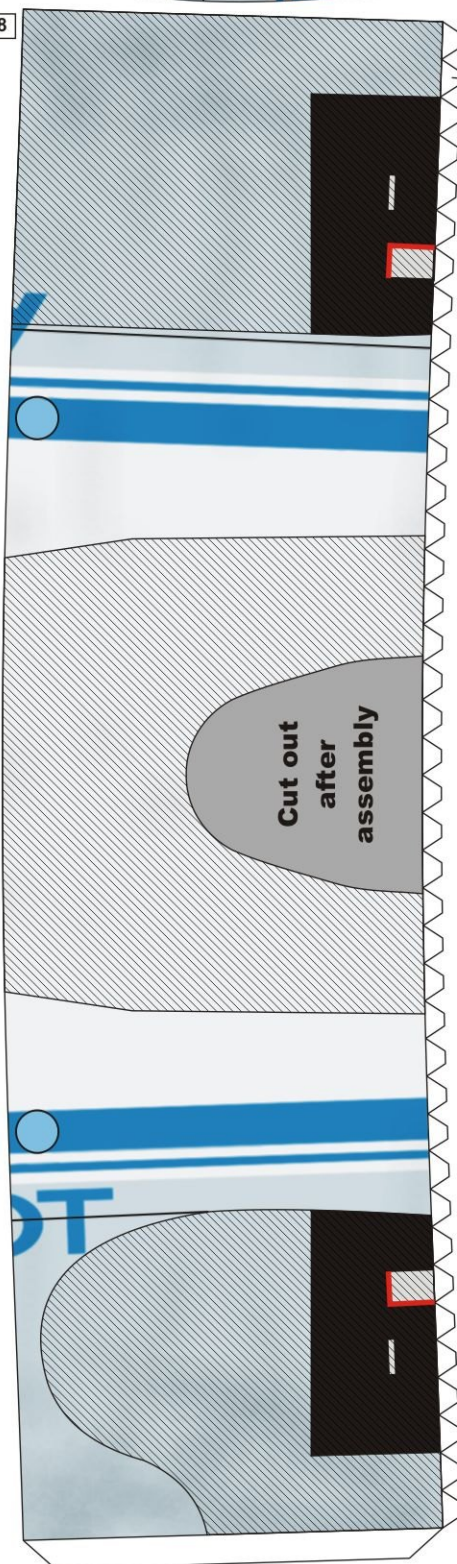
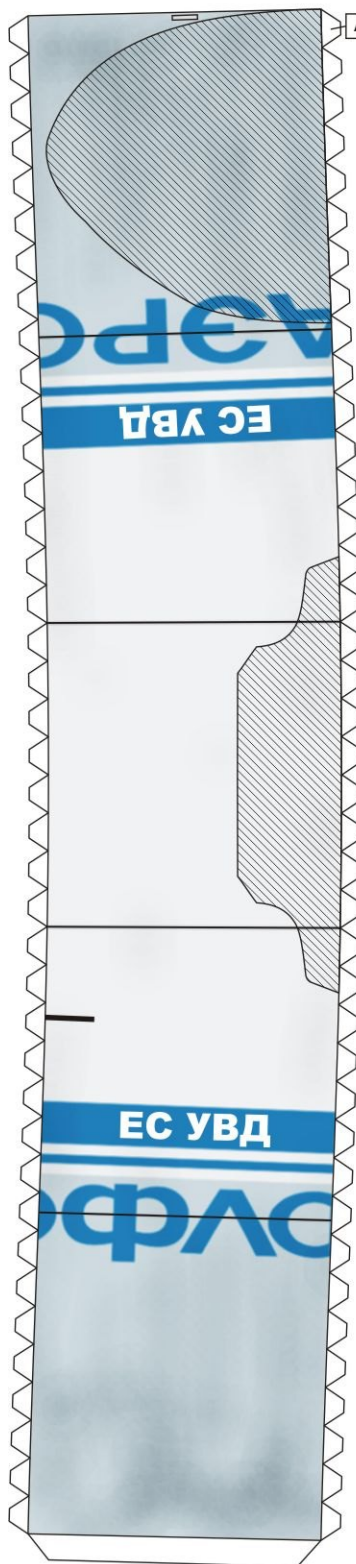
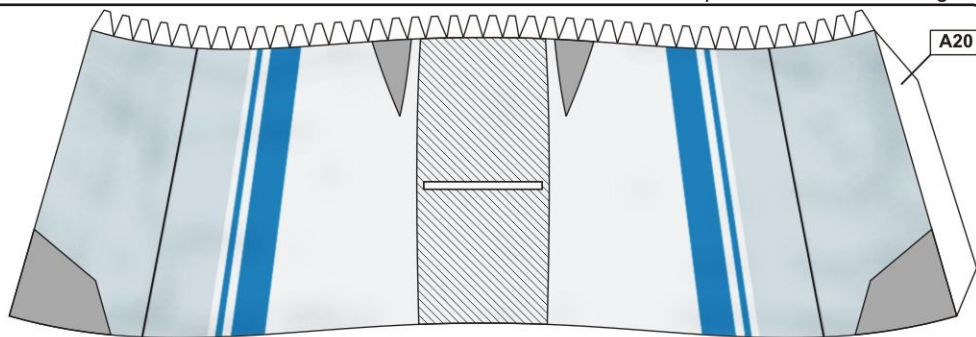
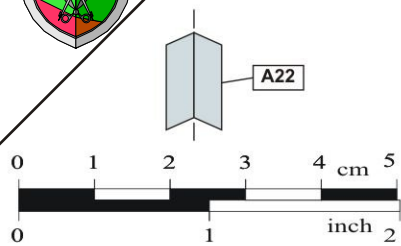
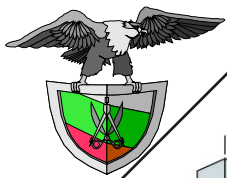
Today the two airframes languish at the Kiev airfield due to lack of funding - a sad testament to the breakup of the Soviet Union. The unusual layout of the basic An-72 - with its overwing mounted engines, coupled with the odd-looking location of the radome on the fin makes the NATO Air Standards Co-ordinating Committee reporting name of MADCAP seem somehow appropriate.

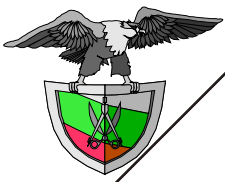


An-71

Scale 1:48

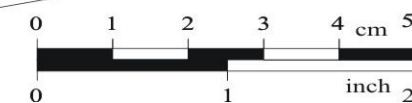
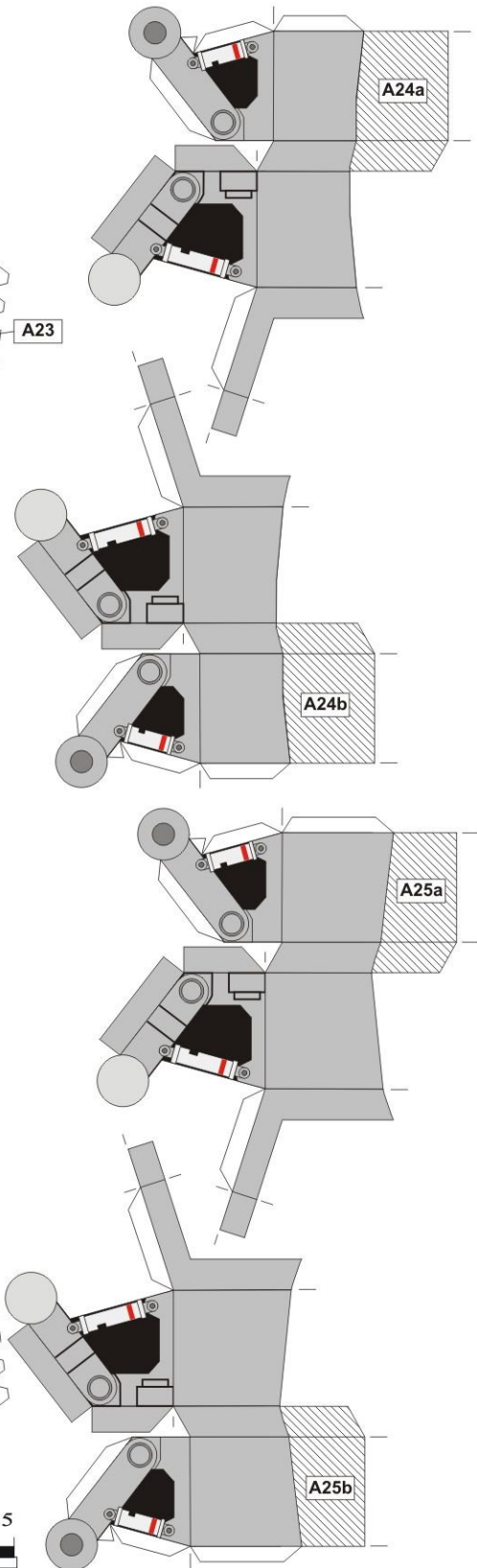
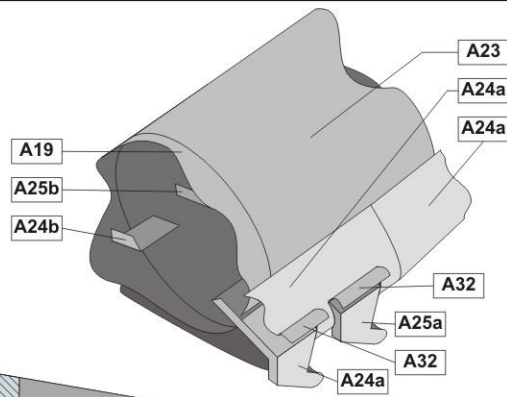
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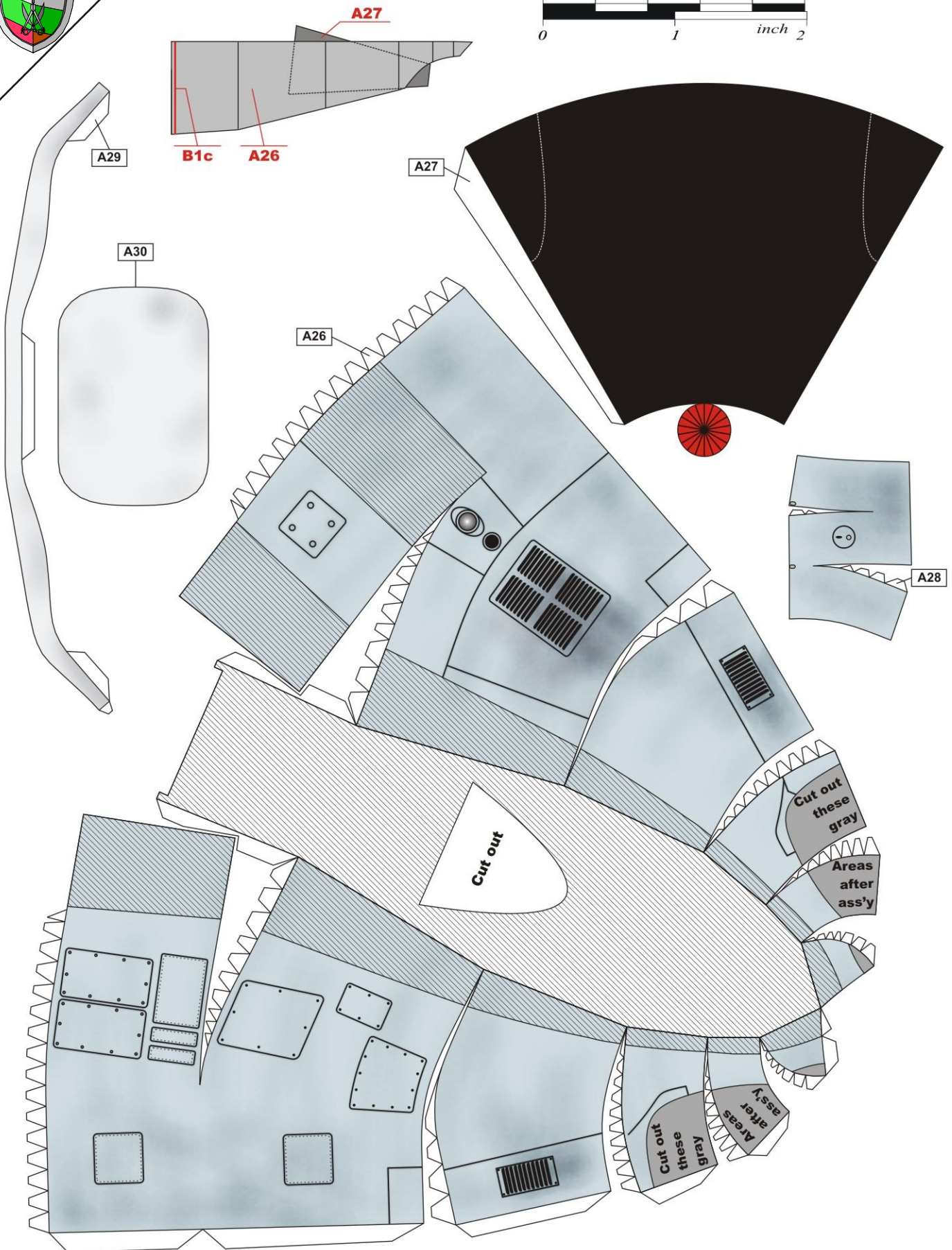
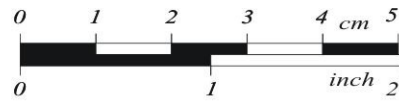
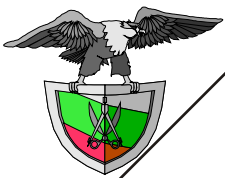


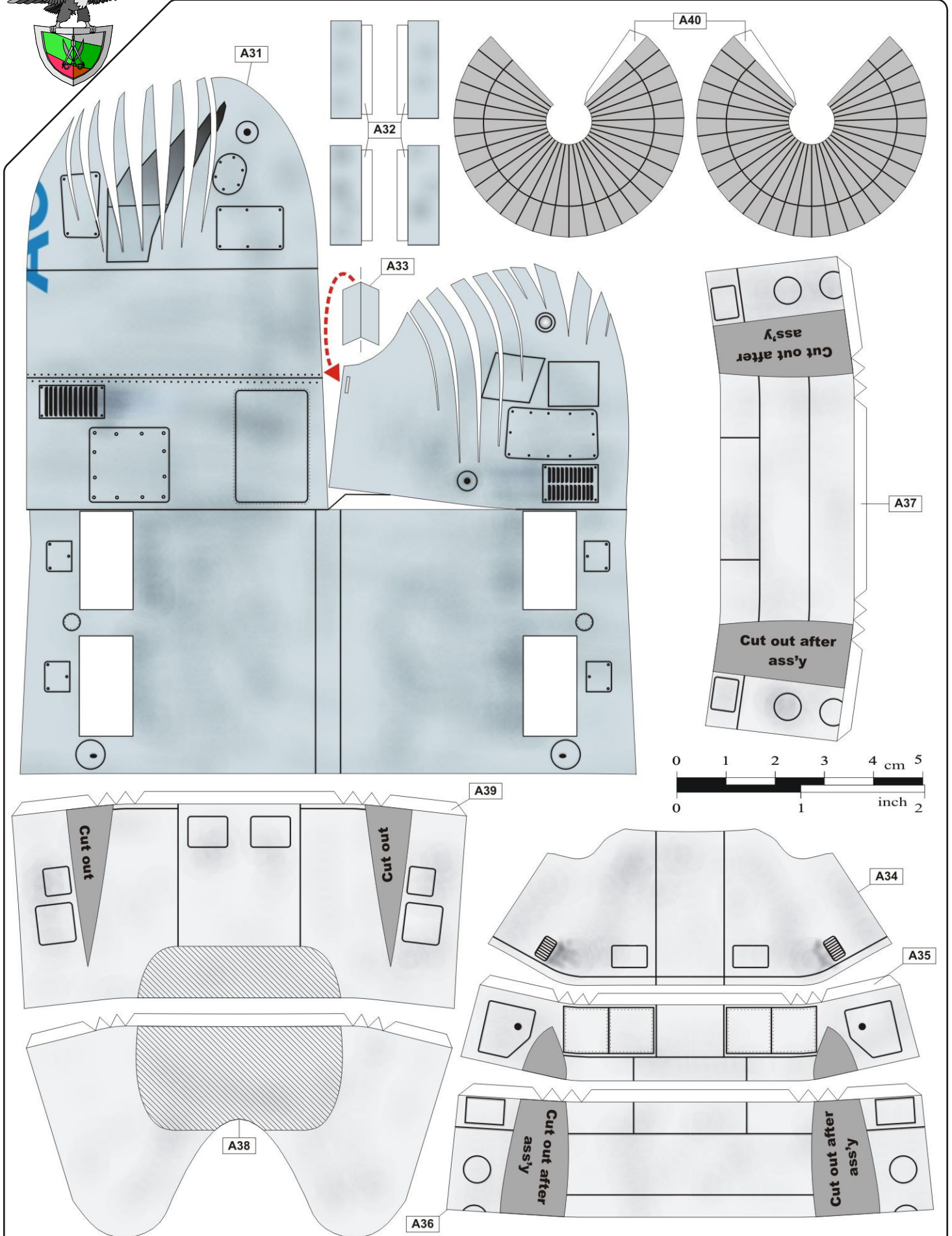
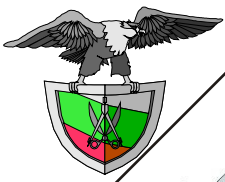


Cleave the red lines after assembly

Cleave the red lines after assembly



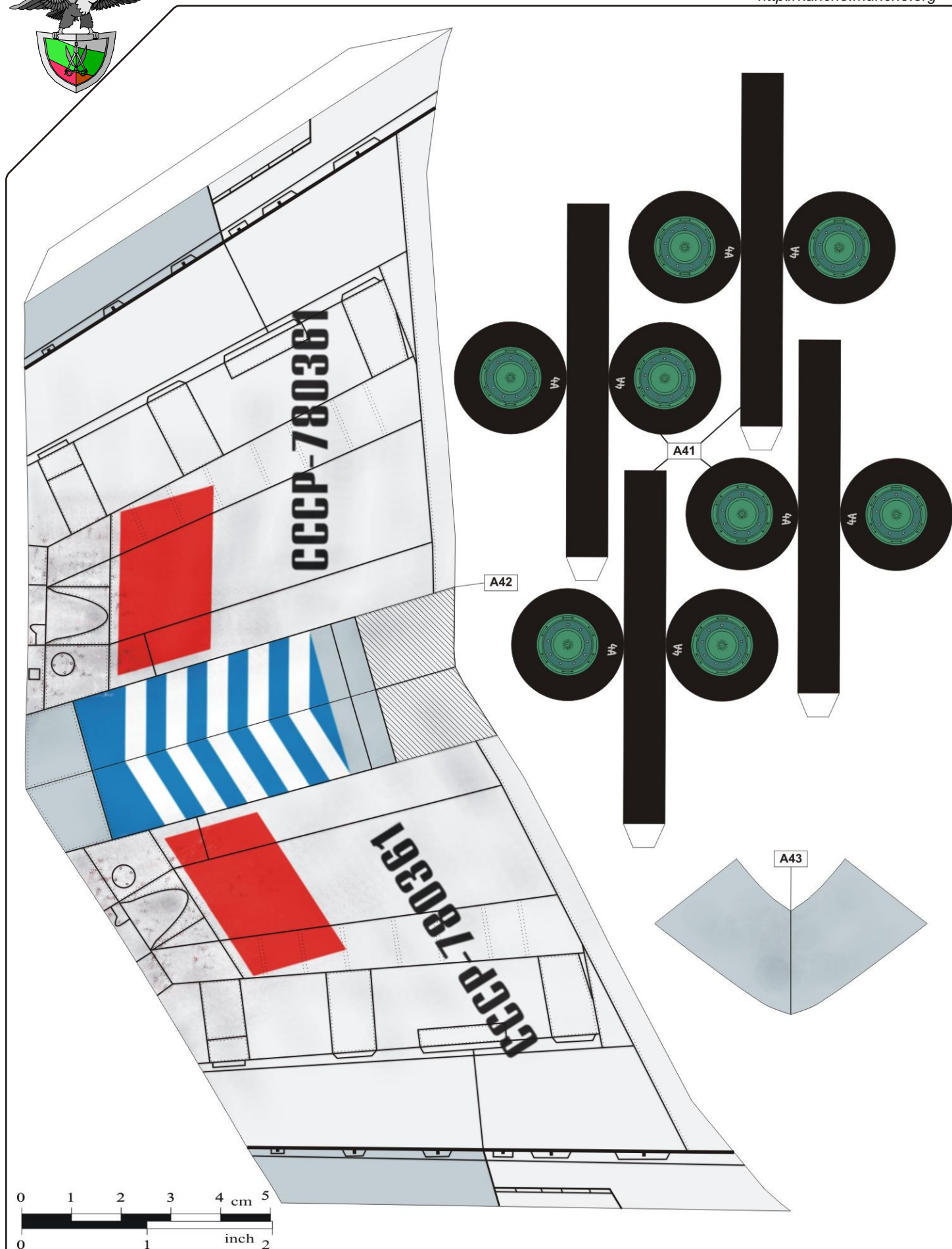
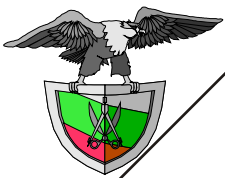




An-71

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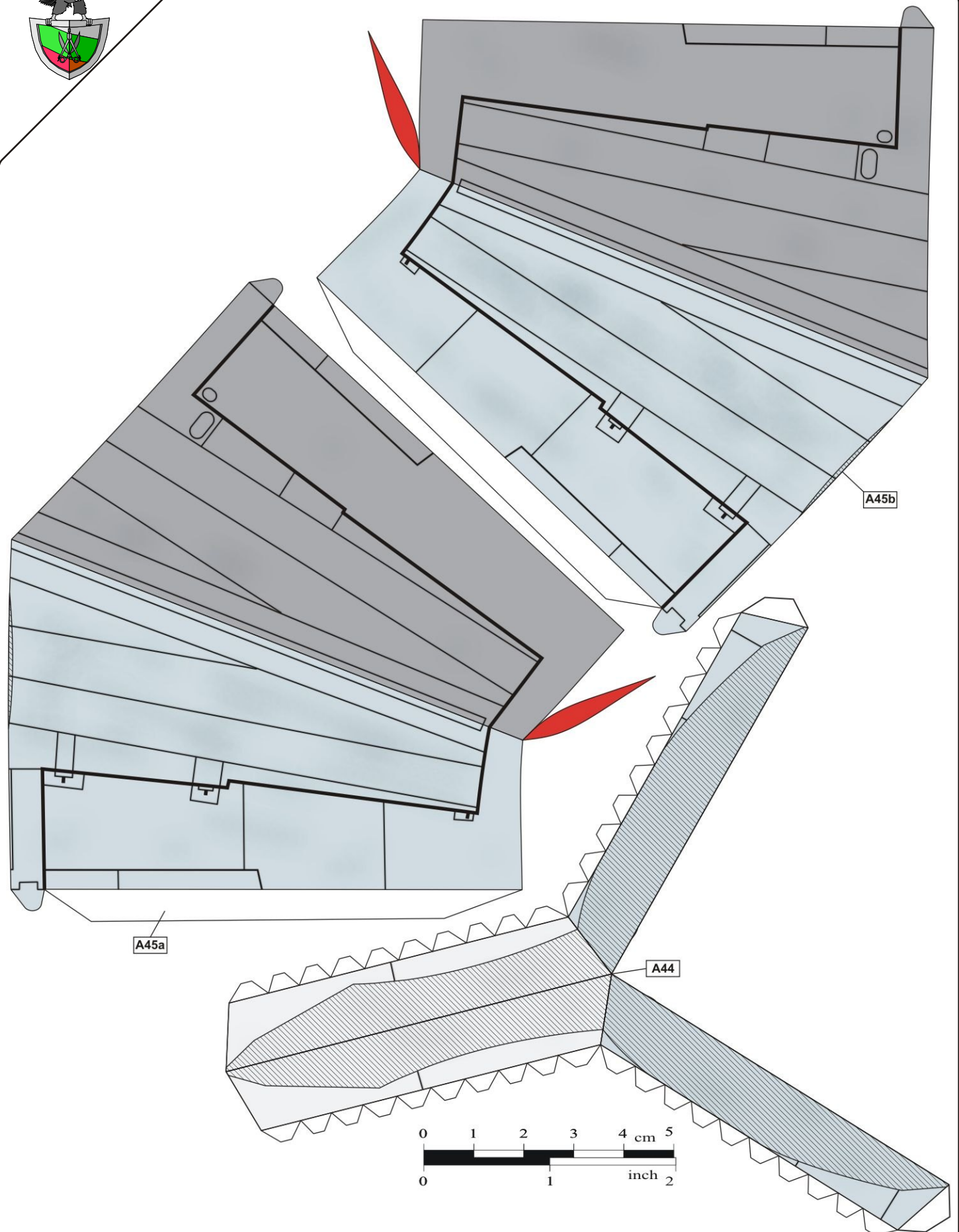
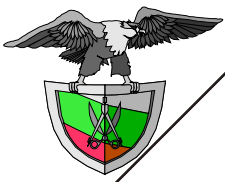
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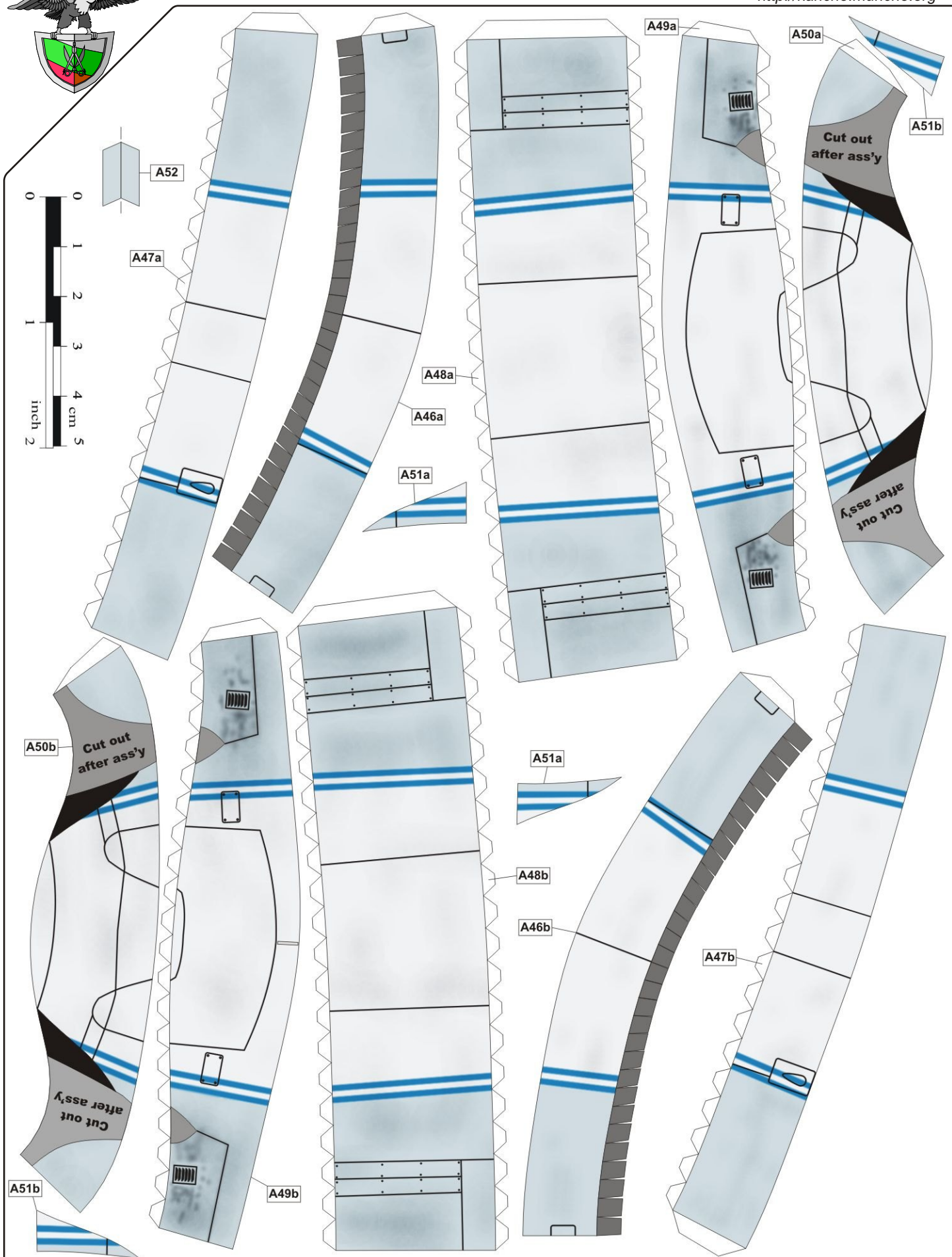
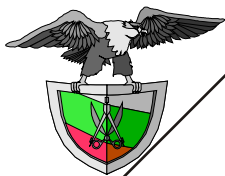


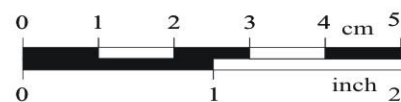
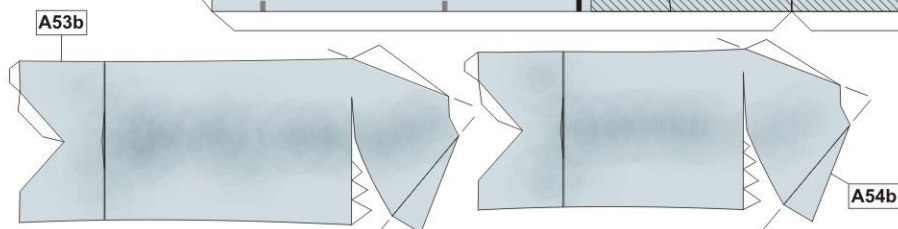
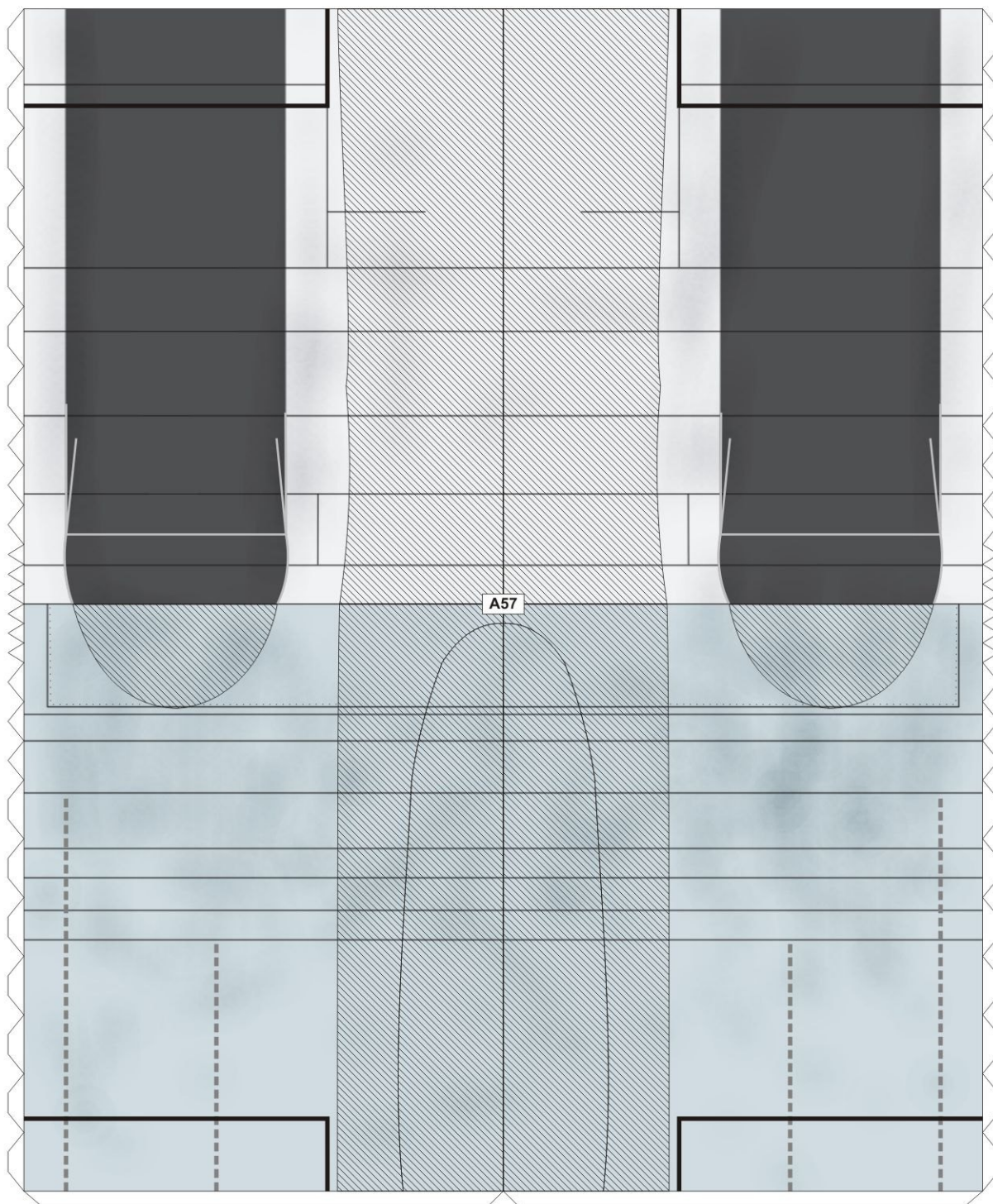
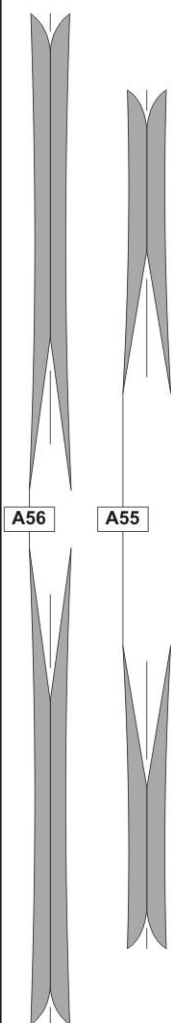
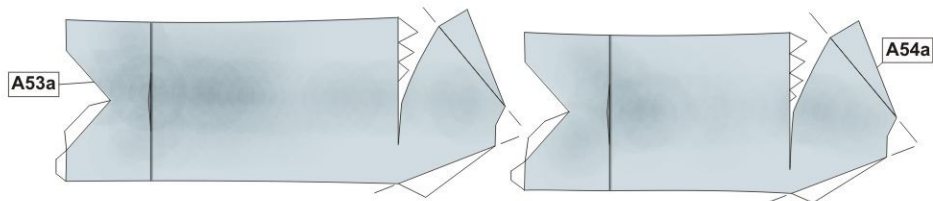
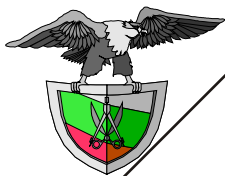
An-71

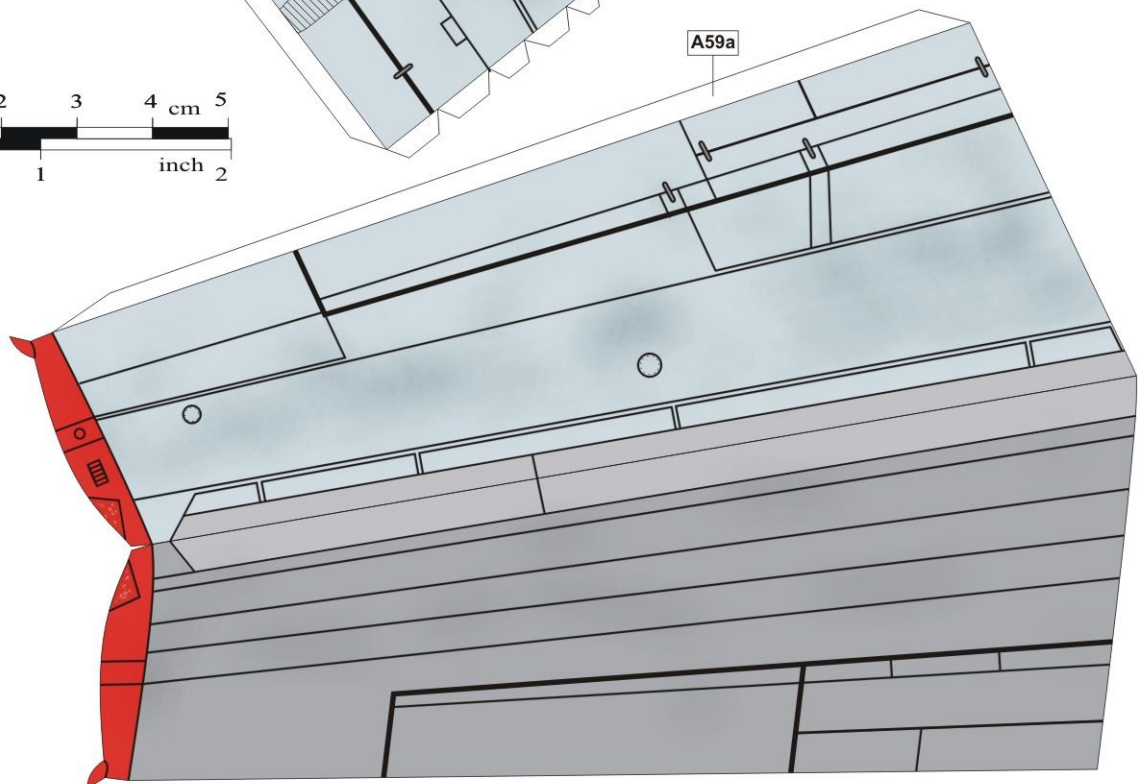
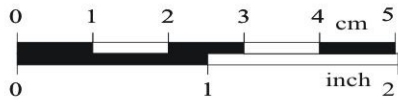
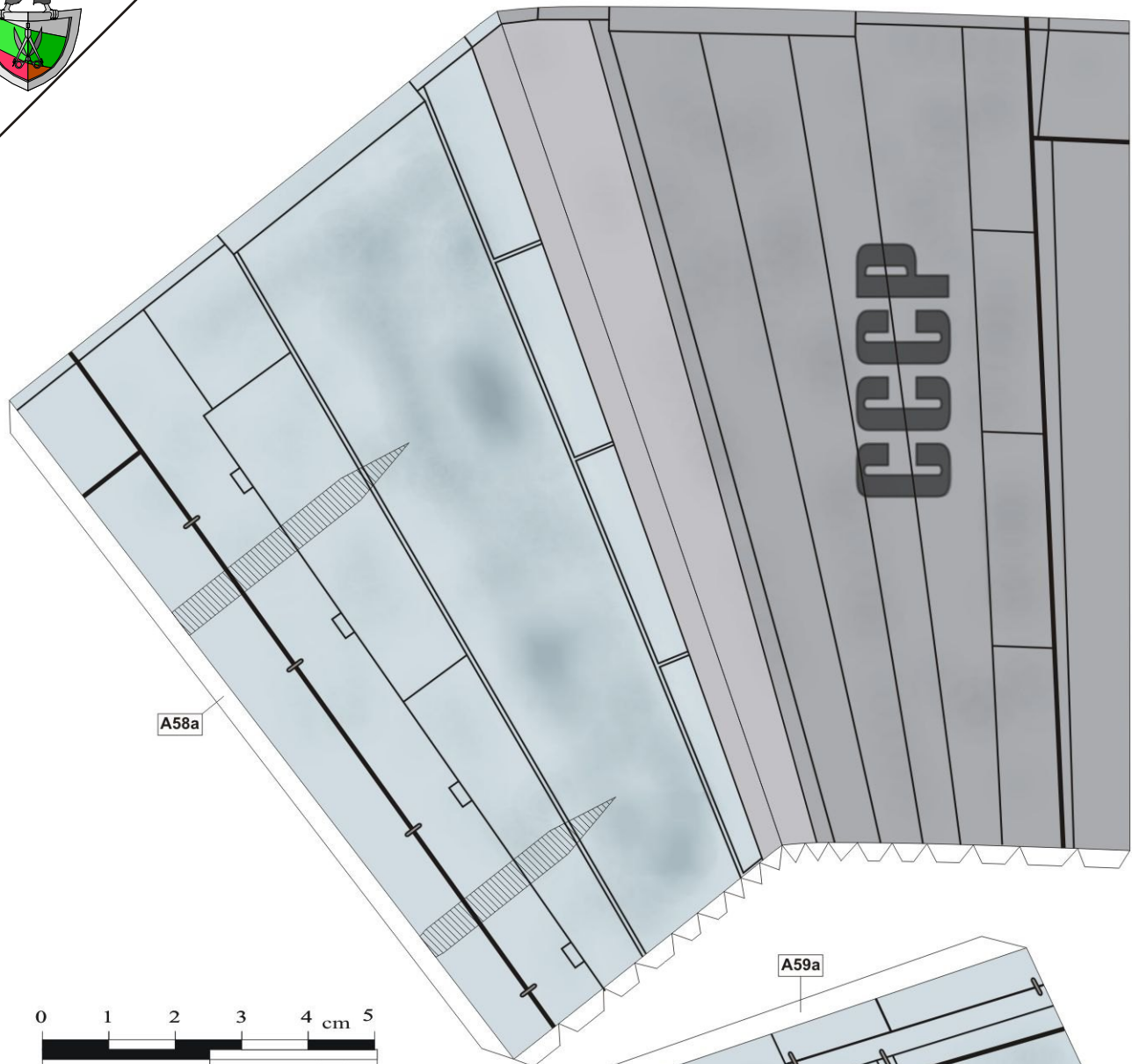
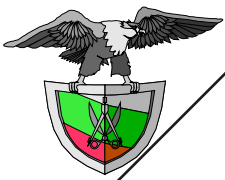
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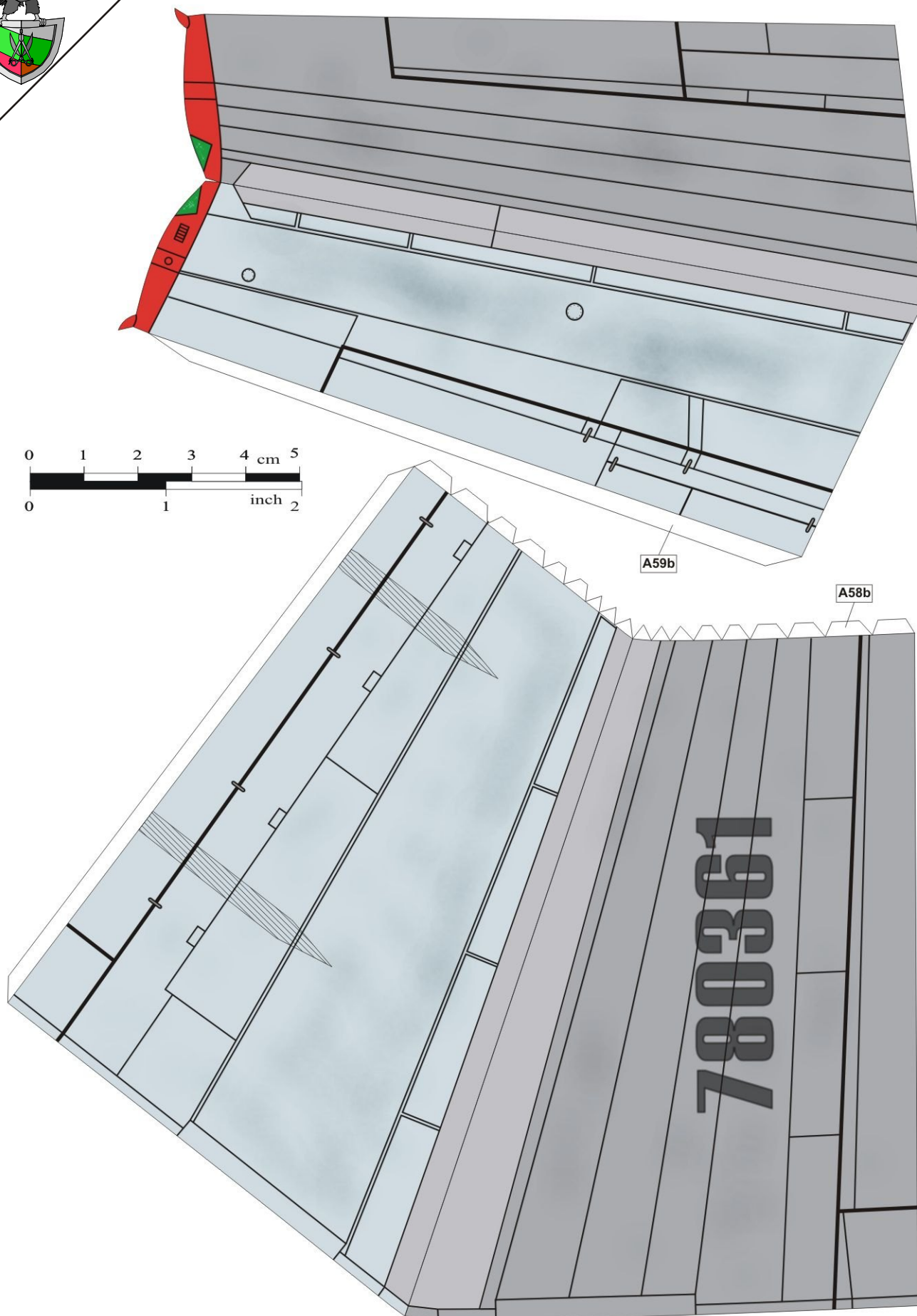
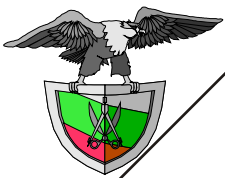
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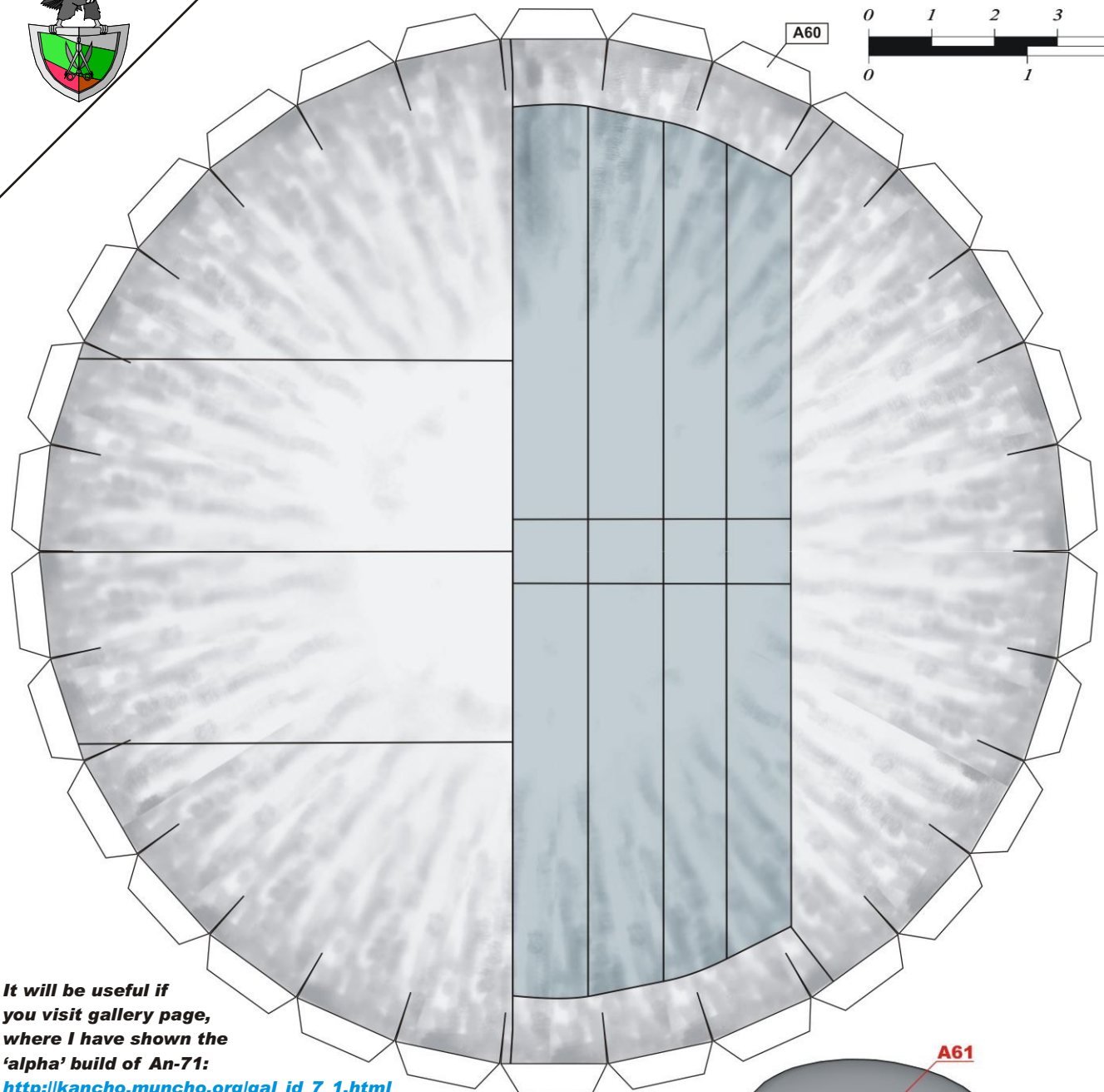
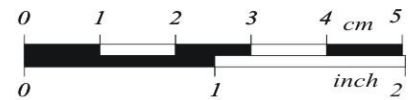
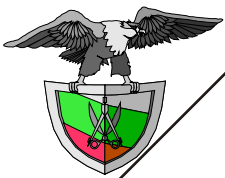






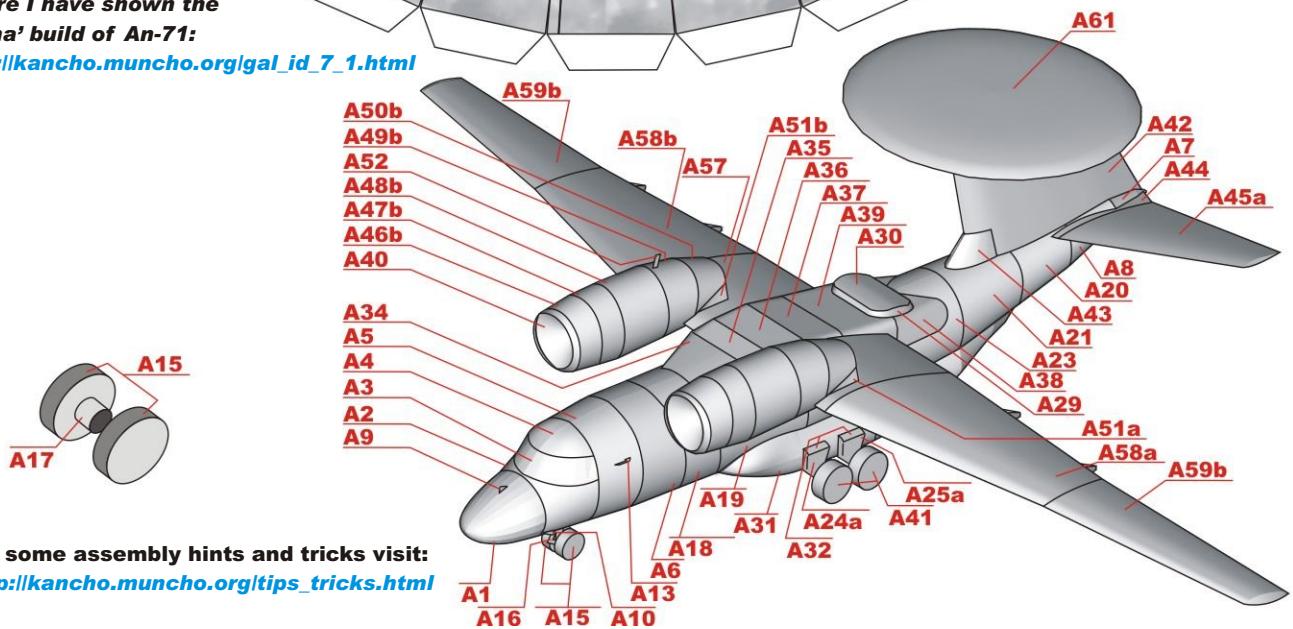




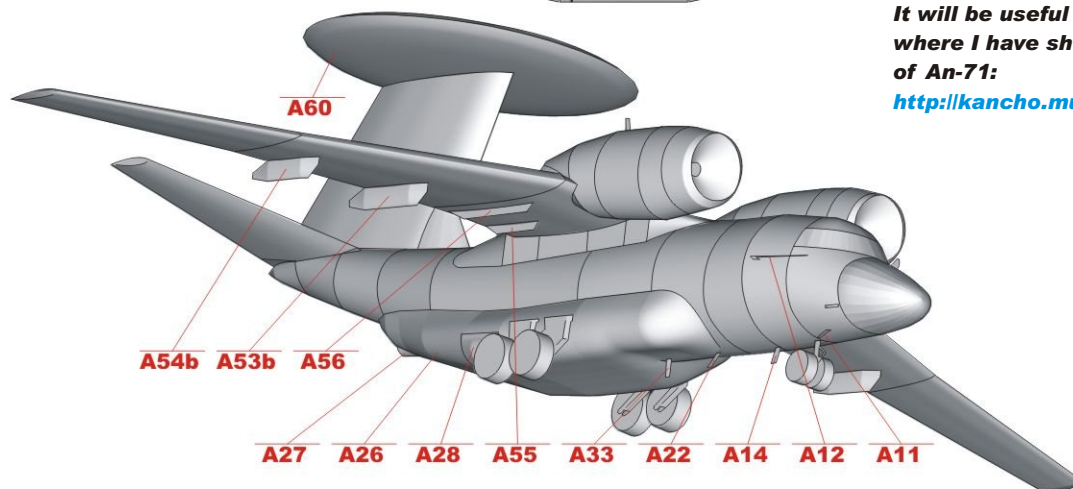
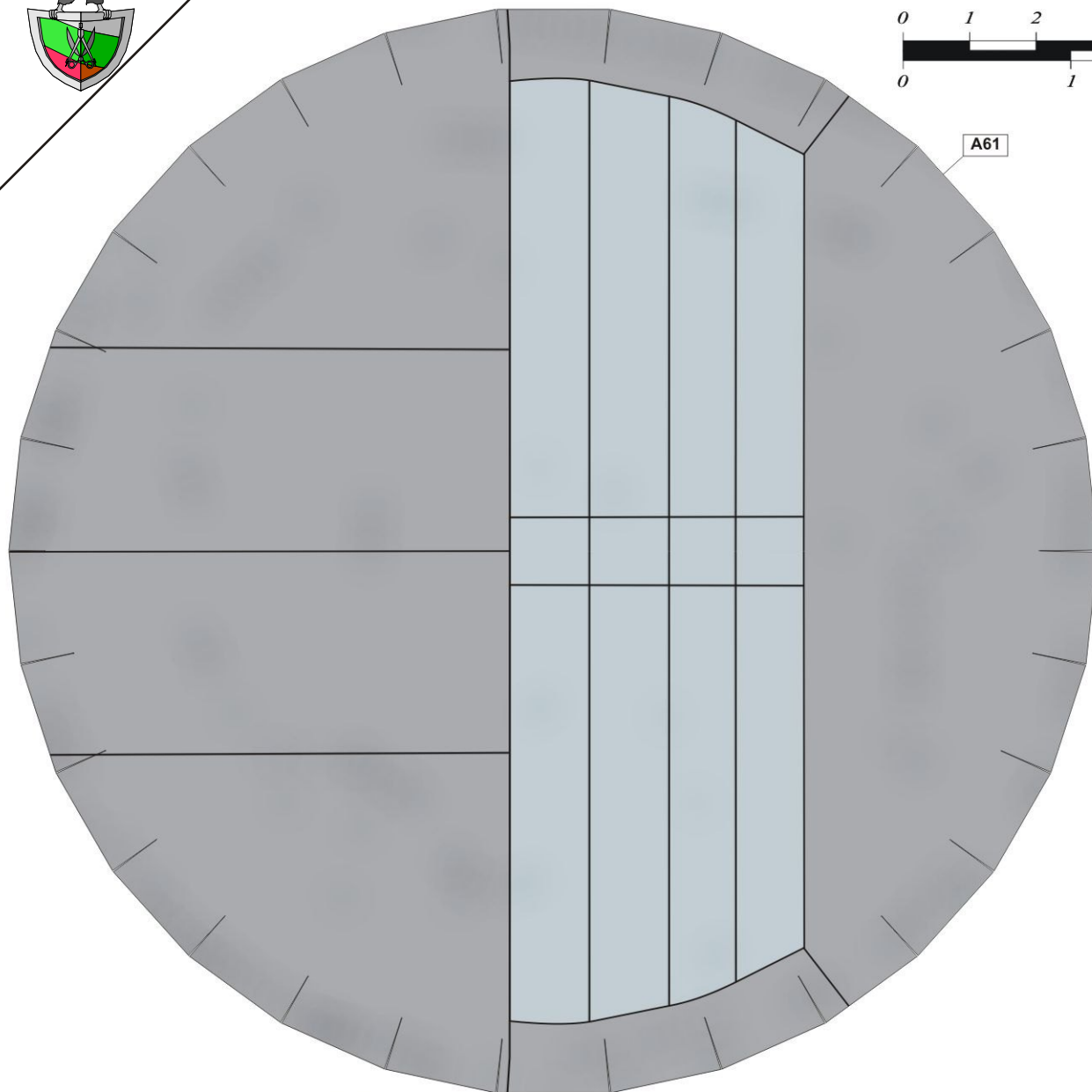
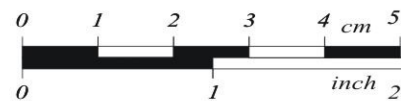
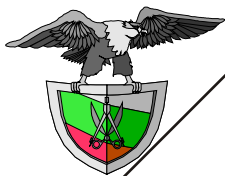


It will be useful if you visit gallery page, where I have shown the 'alpha' build of An-71:

http://kancho.muncho.org/gal_id_7_1.html



For some assembly hints and tricks visit:
http://kancho.muncho.org/tips_tricks.html

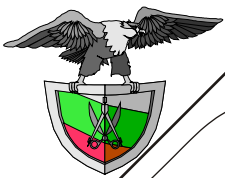


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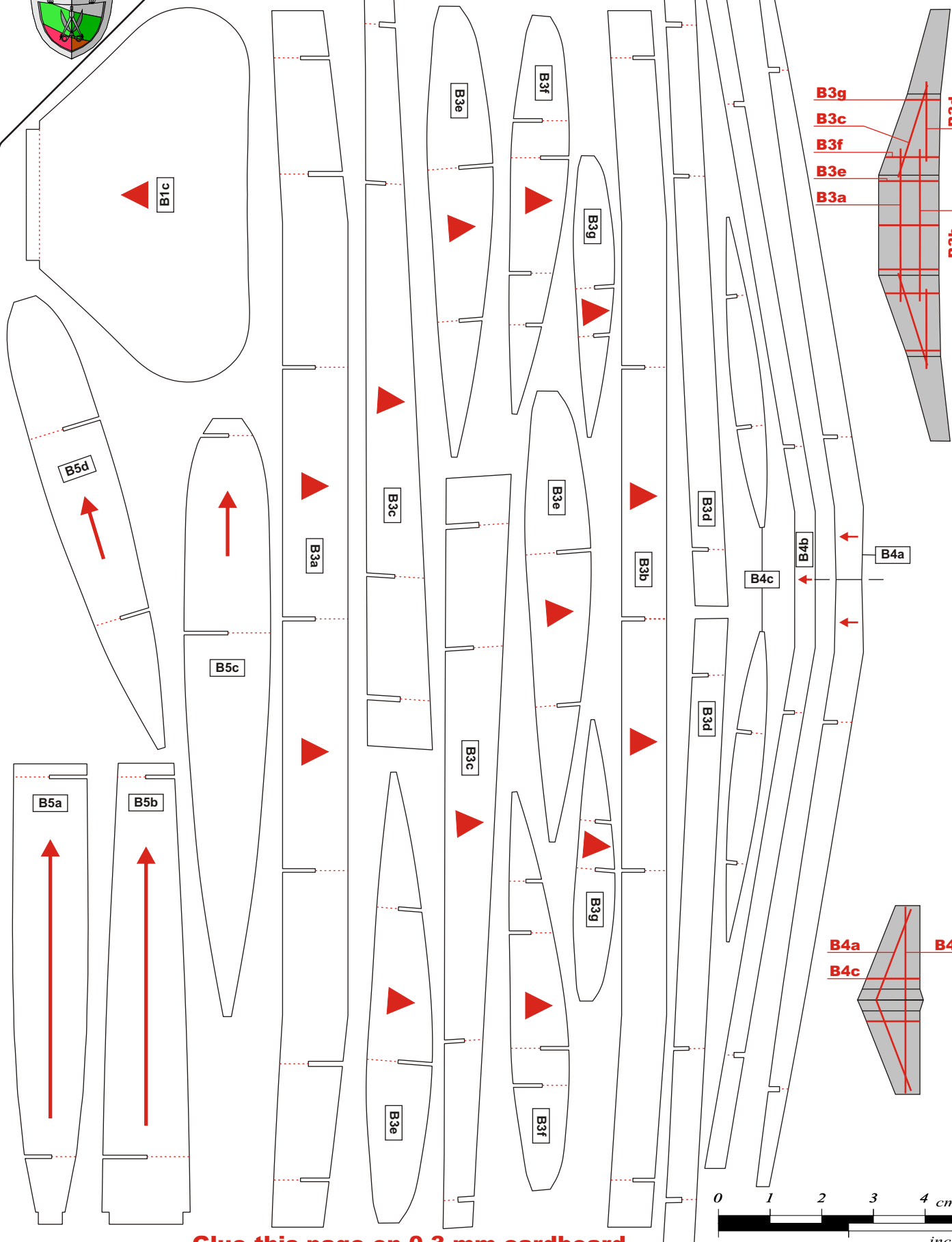
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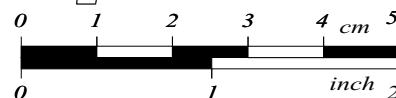


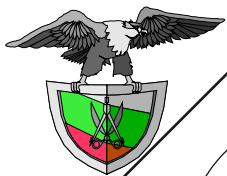
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