



This kit holds all the parts from etsts3.pdf by Alfonso X Moreno as downloadable from his site at <https://www.axmpaperspacescalemodels.com/>

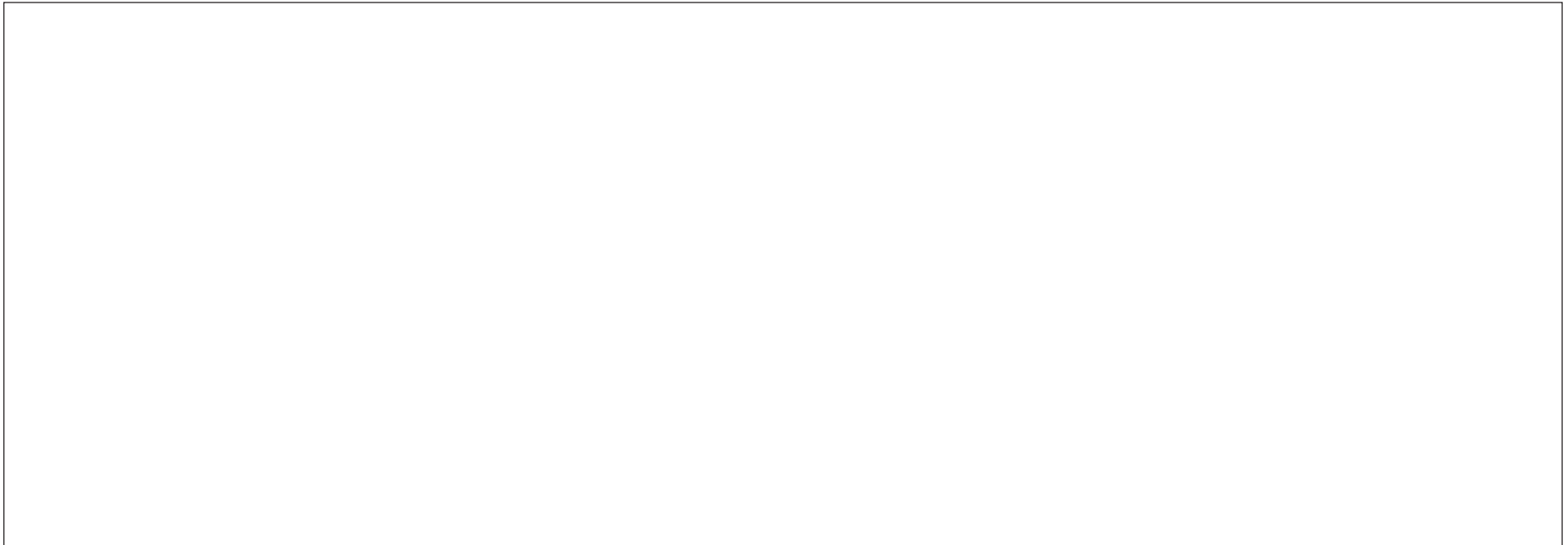
To make his pattern compatible with my rocket garden I have rescaled all parts by 150% to go from 1:144 scale to 1:96 scale. I have then rearranged them on A4 paper.

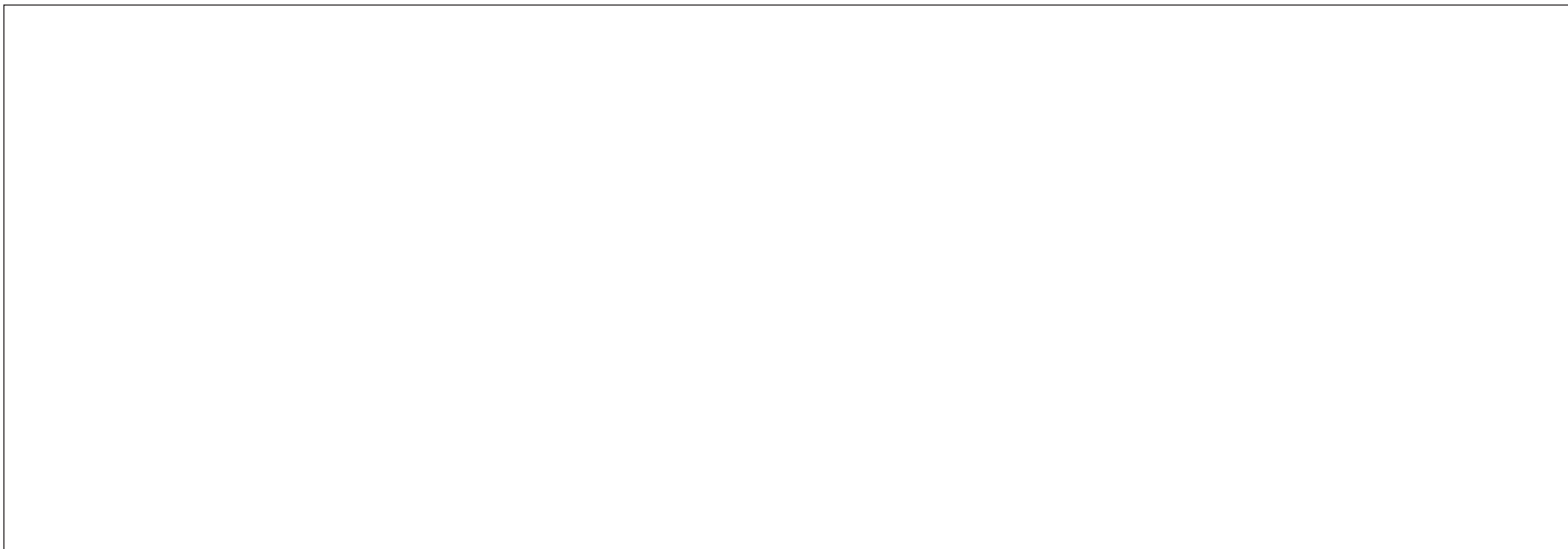
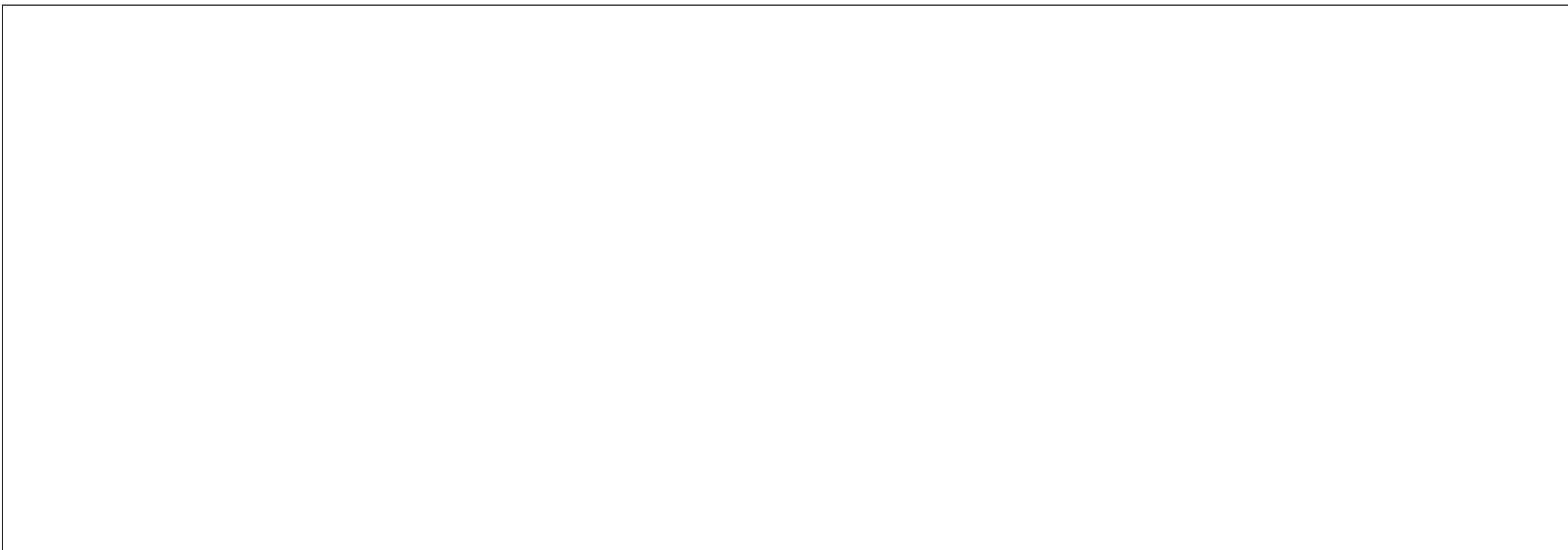
The biggest part of the external tank skin has been split in two and needs a new tab to recombine. Also the intertank structure has been split to fit.

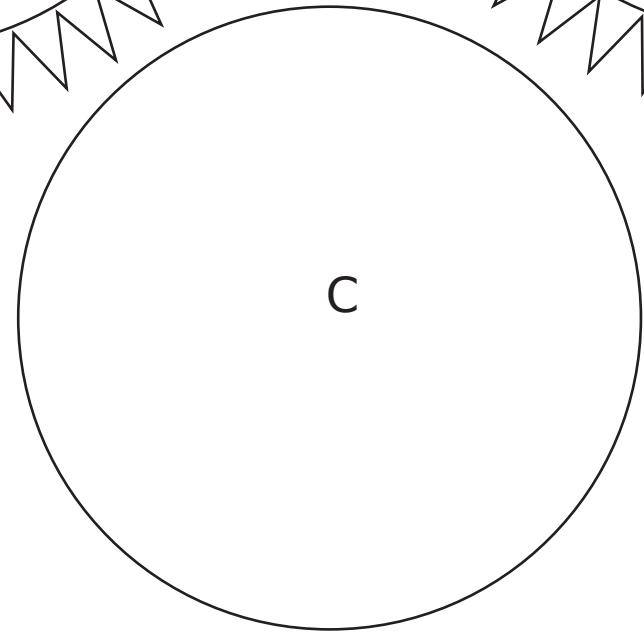
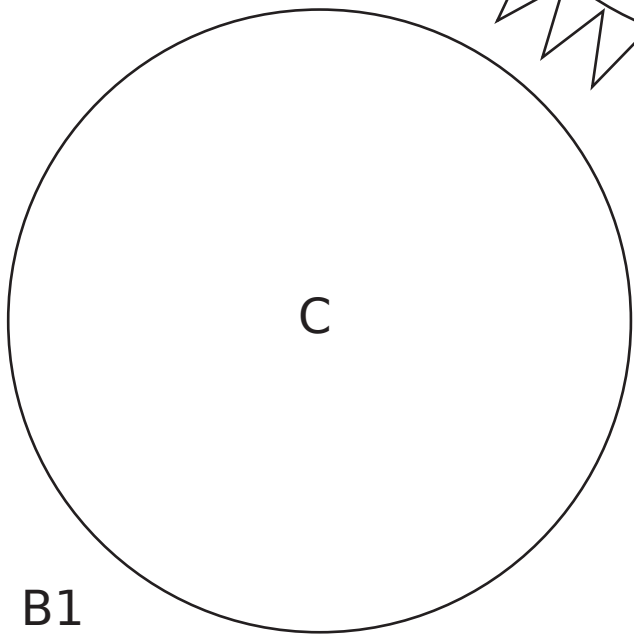
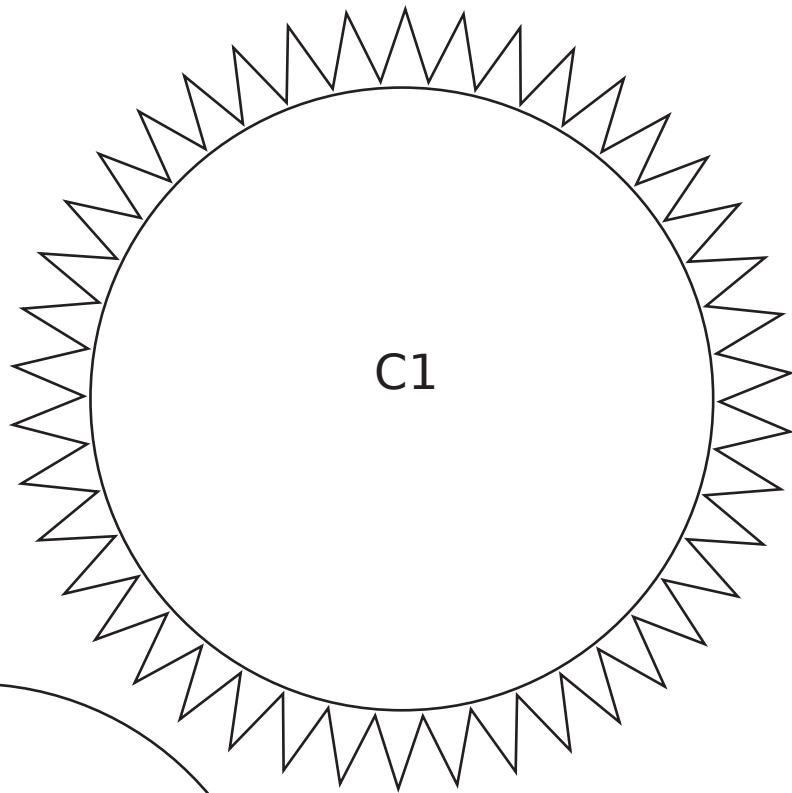
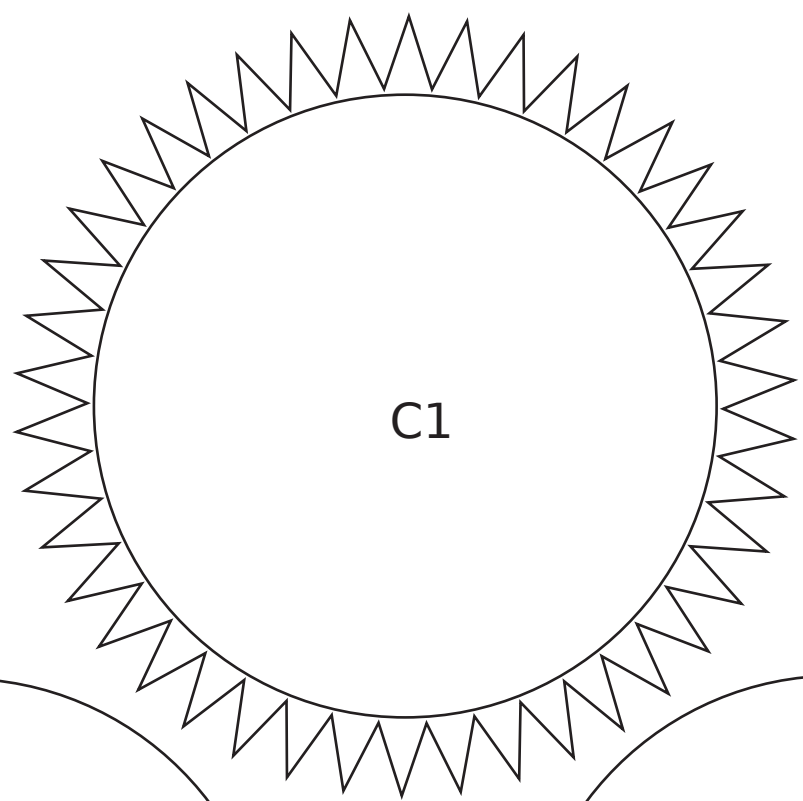
If you plan to build this yourself please reference the original pattern and instructions and use your brain.

All original work is Alfonsos, all errors are mine.

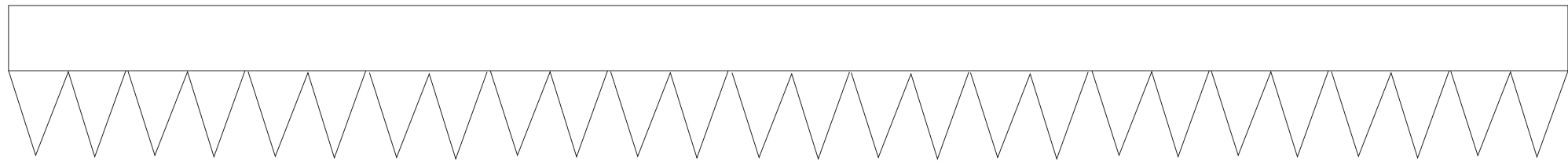
Marian Aldenhövel (marian.aldenhoevel@marian-aldenhoevel.de)



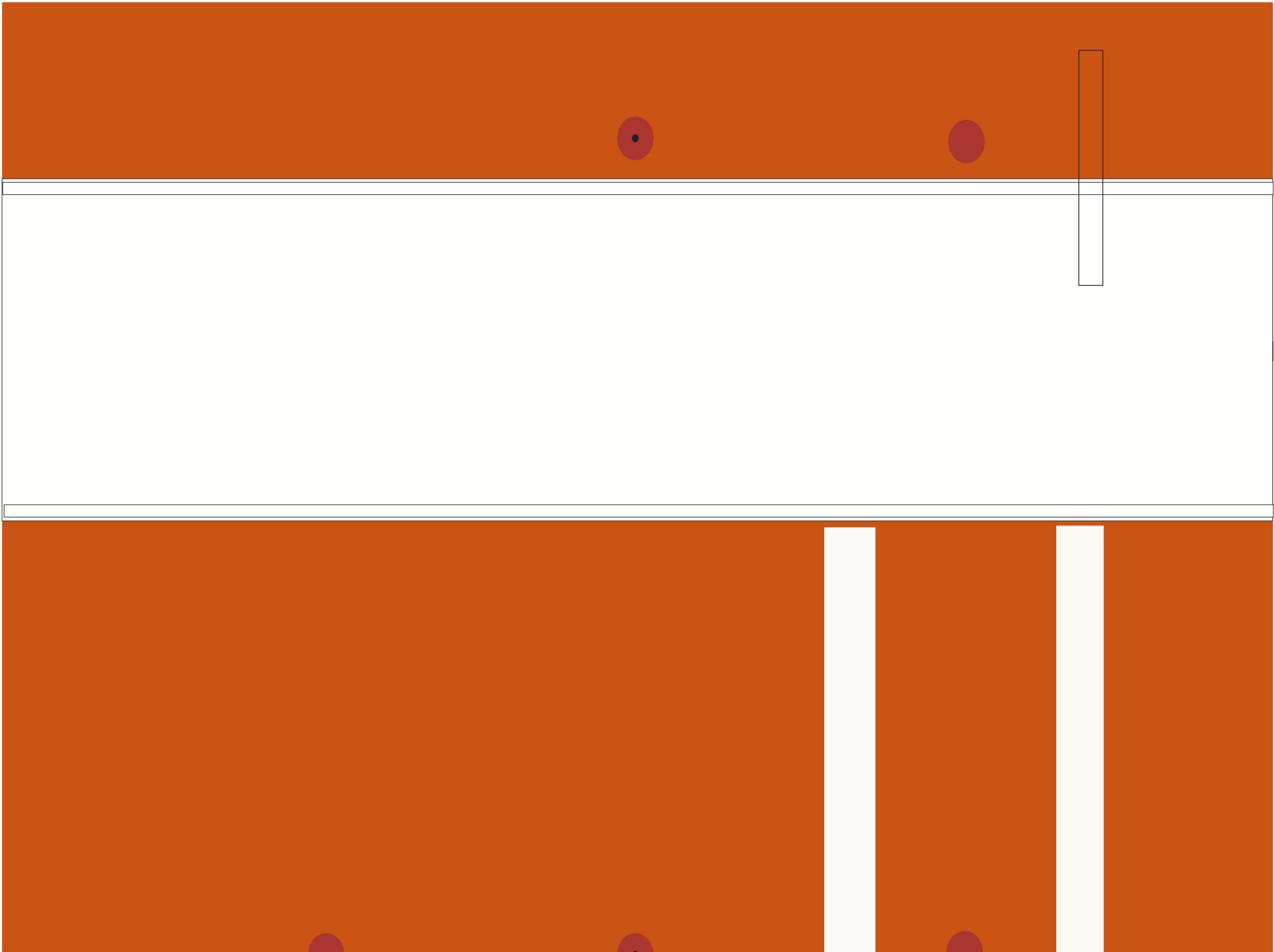




B1



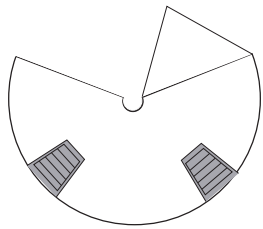






N4

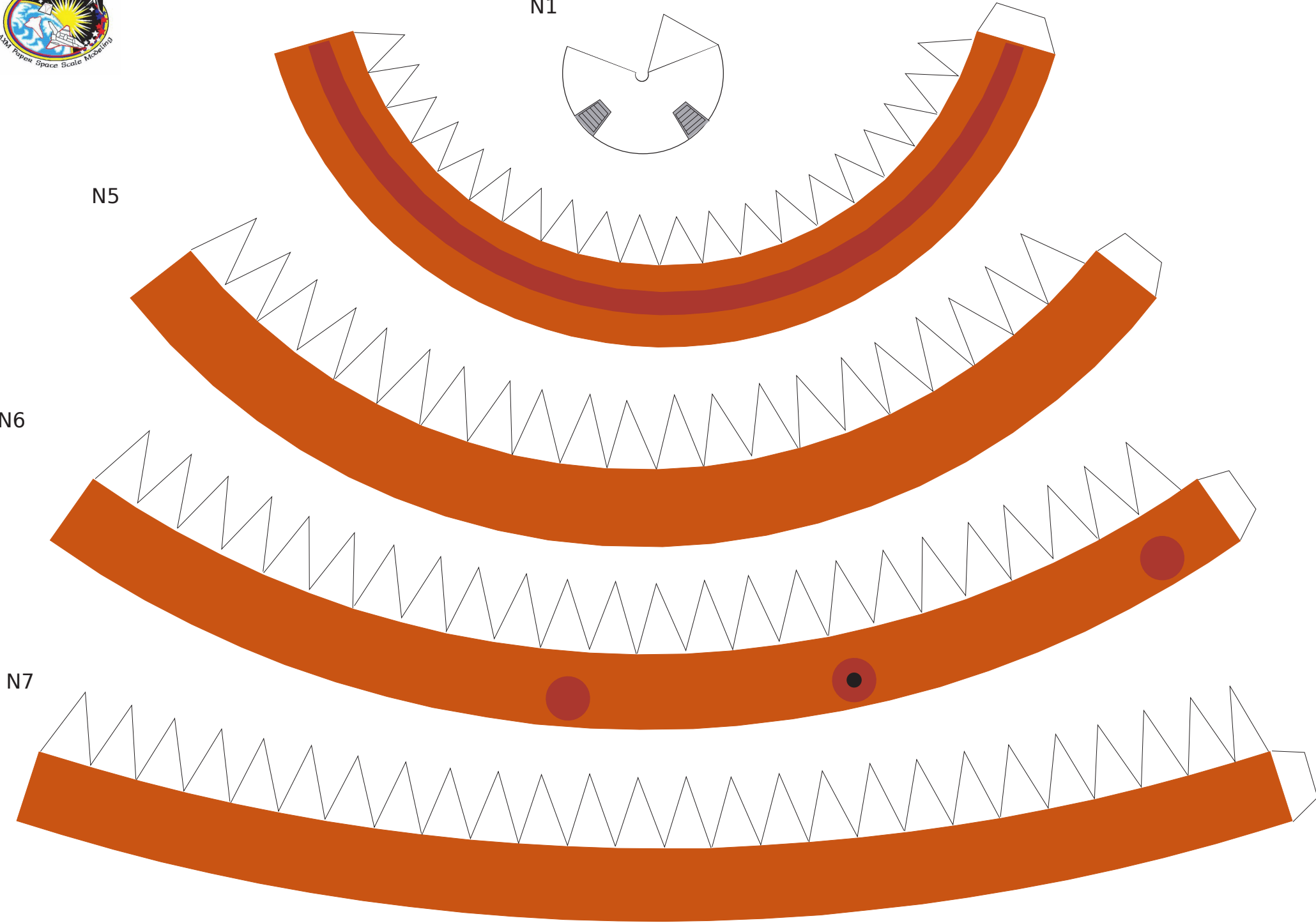
N1

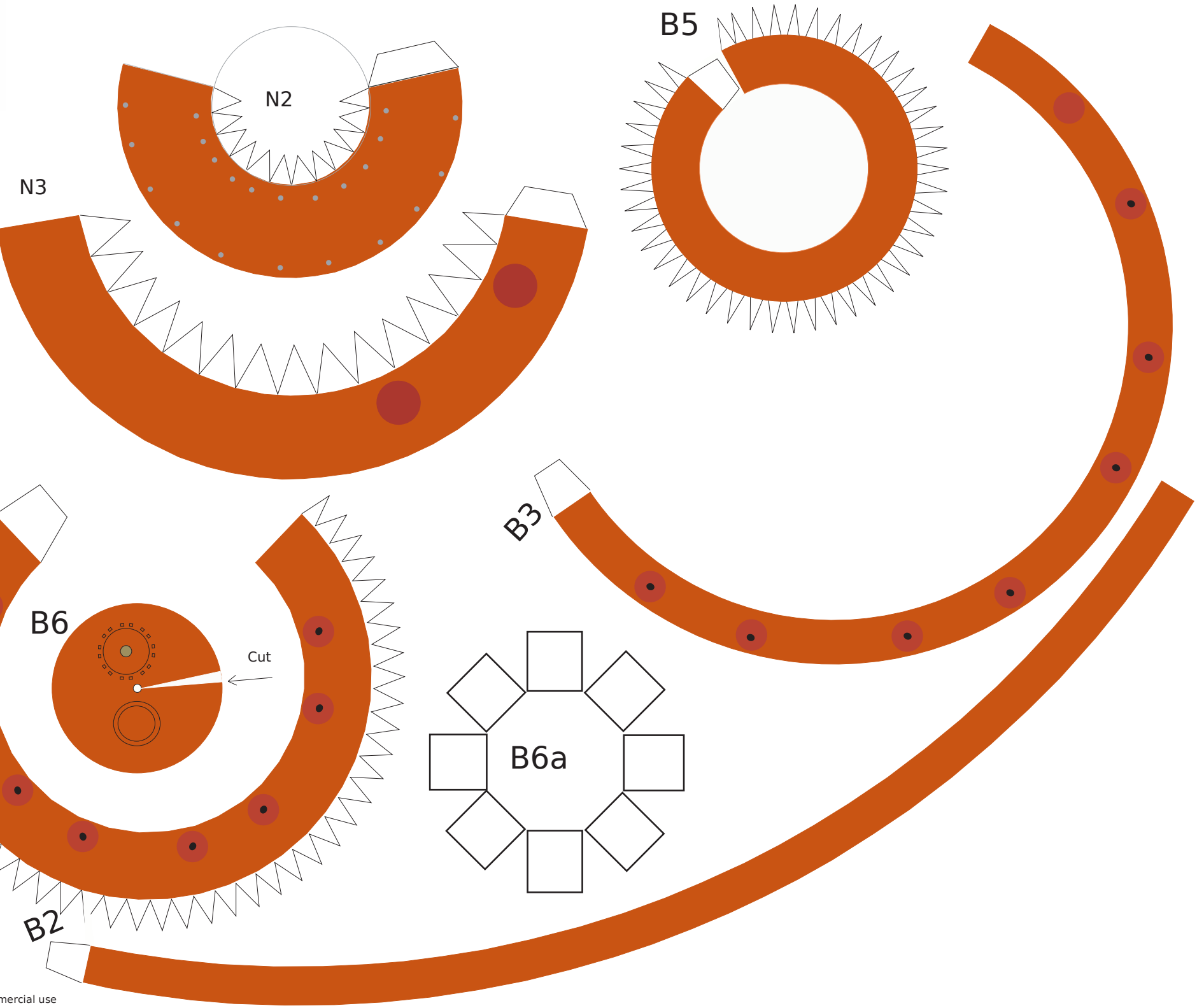


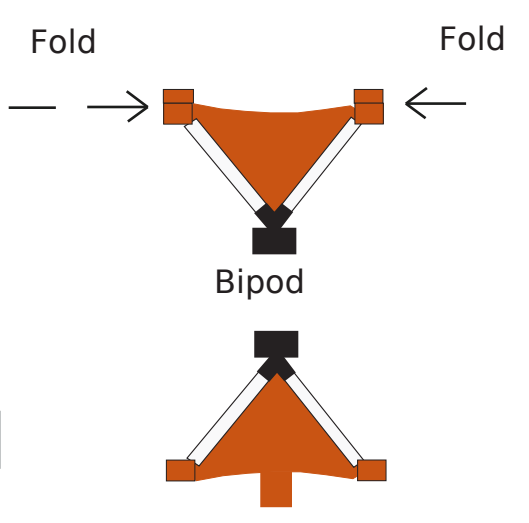
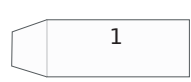
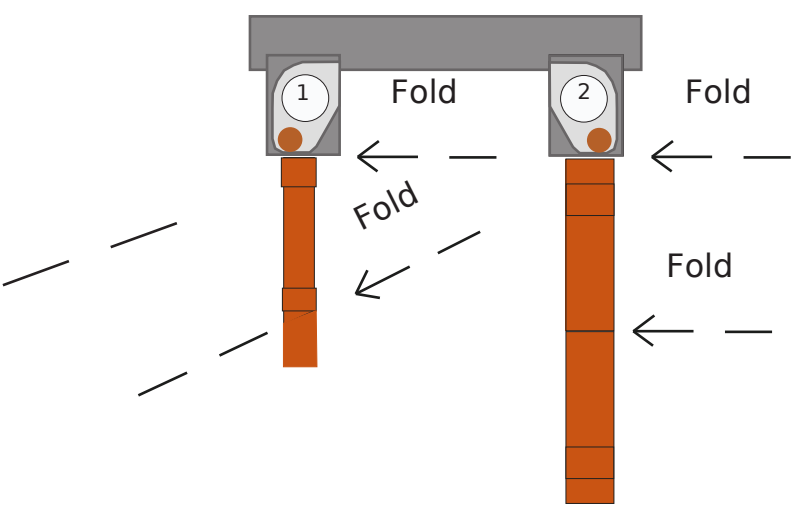
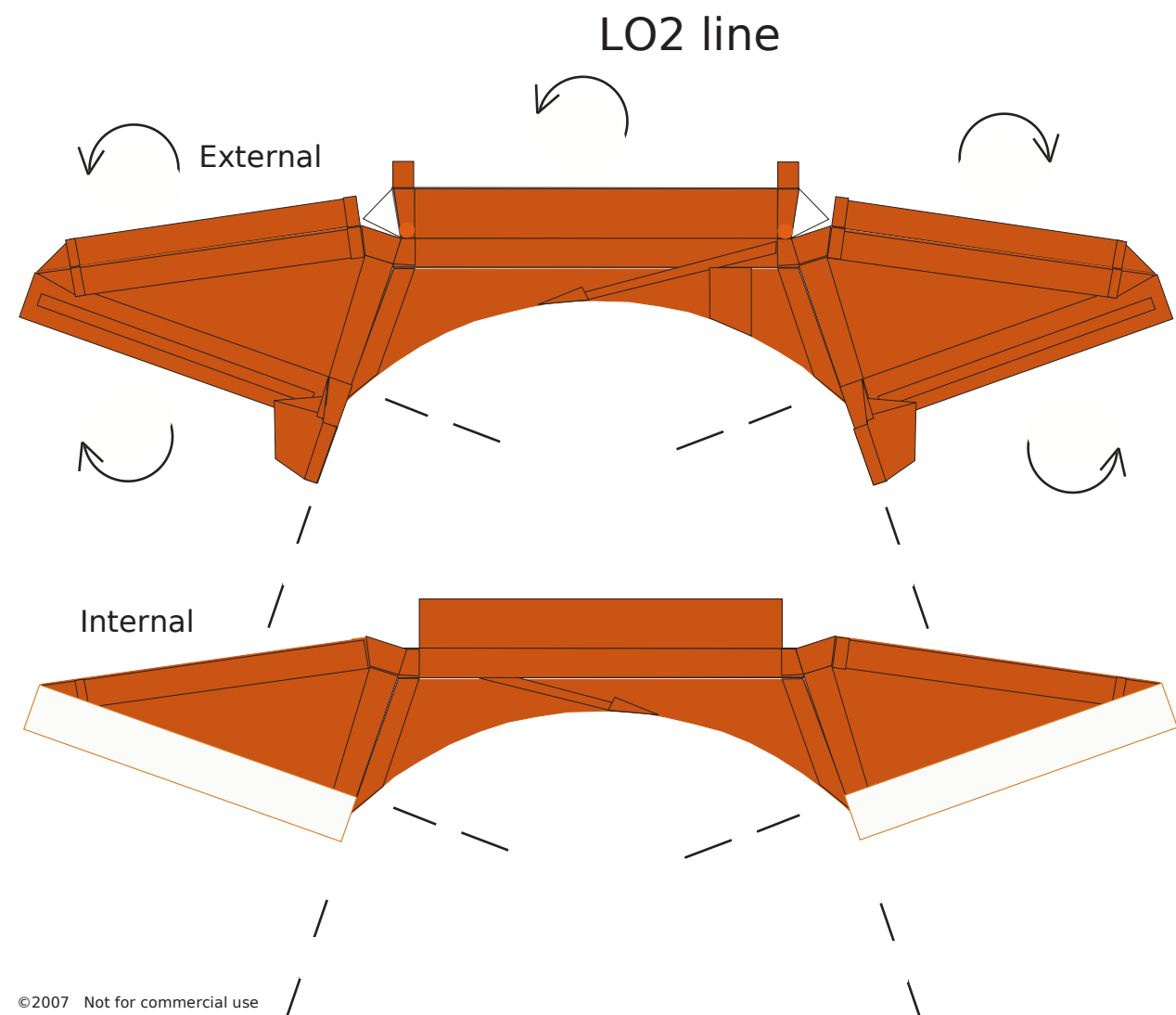
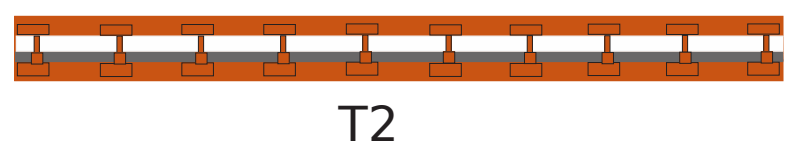
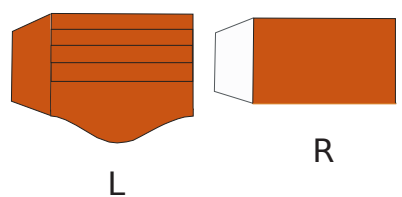
N5

N6

N7

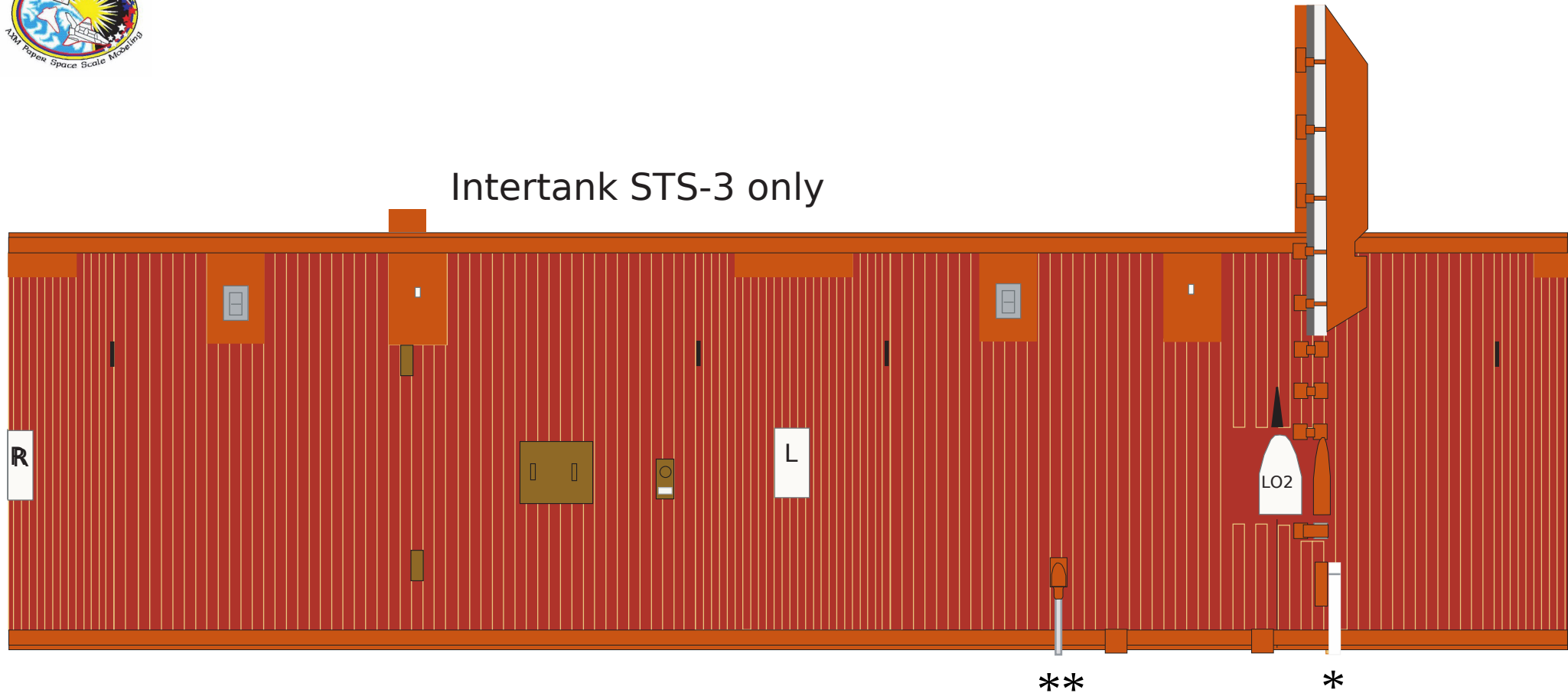








Intertank STS-3 only



Marians notes:

I opened Alfonso's etsts3.pdf in LibreOffice draw. For each page I selected all the parts and scaled them by 150%. Most parts fit OK, those that didn't I rearranged around adding pages where required.

The main skins do not fit A4 paper in the new scale. I cut them apart roughly near half-height. Also the piping was separated and printed as extra parts.

I built up both ends of the tank by cutting off the predesigned tabs. I closed each ring using tabs from scrap paper. I then added more tabs made from thin paper at the narrow ends. To do that I just used short sections of straight strips glued inside and then then after drying cut slits so they can conform to the angle between segments.

For the (now two separate) tubular segments I added formers to taste. The formers from the kit as upscaled were too small for my build, that may be an issue of paper-thickness and is also somewhat expected in upscaling. I just eyeballed them oversize when cutting them out and then sanded them to size. For easier installation I cut out a hole in the center of each former. I ended up using one on each end offset into the tube by an arbitrary amount. In hindsight I would add a third one near the center of each section as my tank turned out a bit soft in that area.

To join the two straight tubes I glued in more tabs made from scrap cardstock. I first mated the two tubular pieces and then added the two caps.

My printer failed to reproduce the color, so I covered the whole tank-assembly in acrylic paint and then added scratch-built pipes and details to taste.