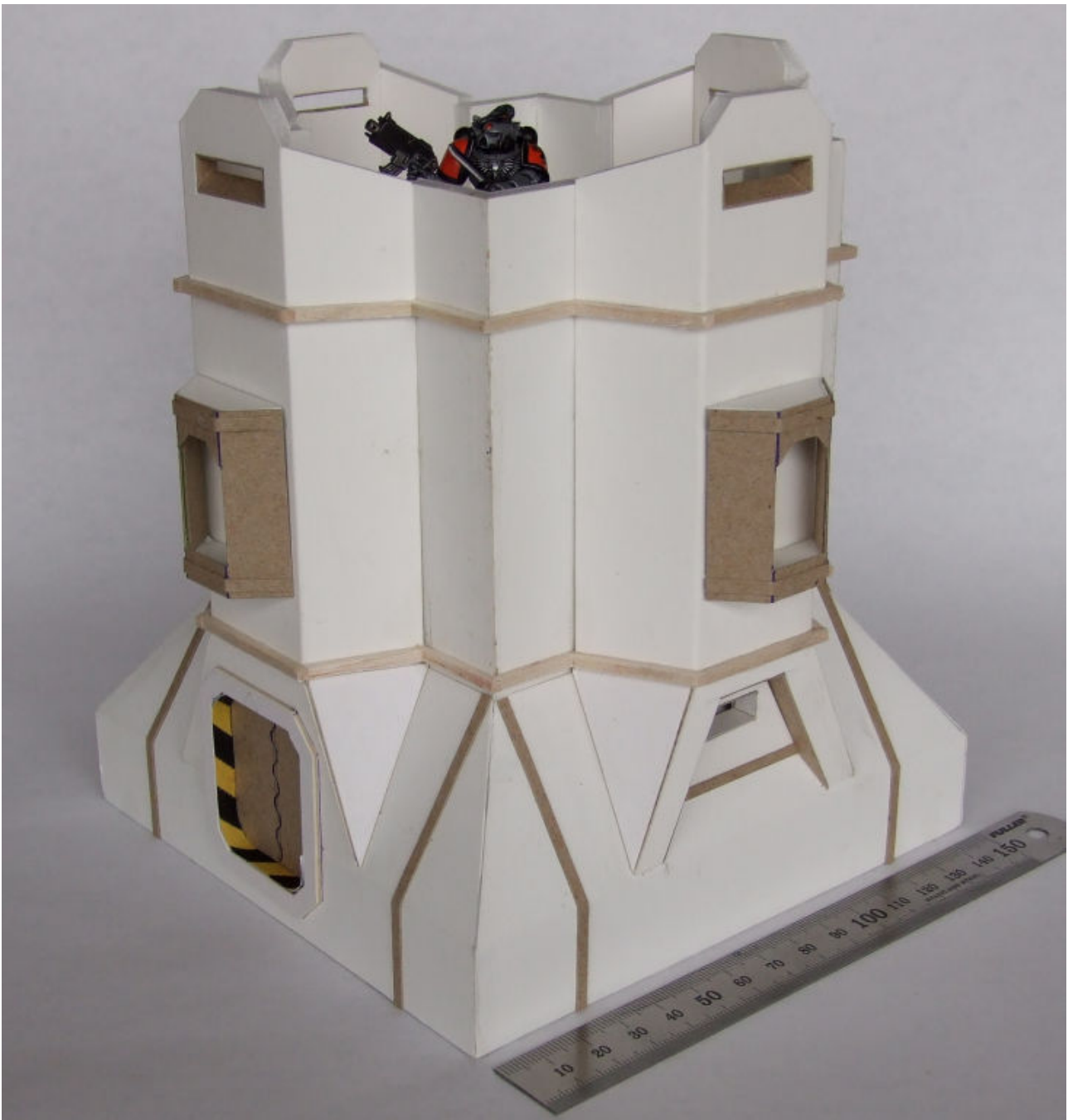


# Bugbait's mini fortress Version 1



This mini fortress stands 180mm high and 150mm wide at the base.

## Materials required

5mm foamboard

Thick card (or three layers of thin card)

Thin card

As with any cutting on foamboard make sure that you have a good “snap-off” blade and spare blades

***FOAMBOARD MUST BE CUT WITH A VERY SHARP KNIFE TO STOP IT TEARING***

Print out the templates on card, cut them out so that none of the outside black lines can be seen.

Small dotted lines are a fold line.

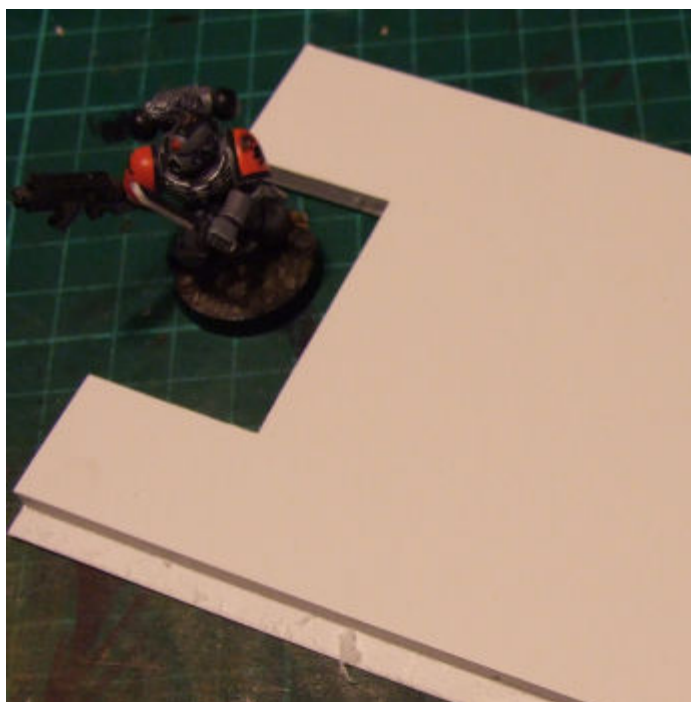
Large dotted lines indicate where the back needs to be cut out to achieve the right bend angle.

I prefer to lay the templates on the foamboard use a scalpel or sharp blade to mark where to cut, I find this more accurate than marking with a pencil.

Template 1 – this is 164mm high and 100mm wide, 4 required - 5mm foamboard.

Note the top area that is cut out is for Template 4 (the top floor) to sit in, if you are not using 5mm material for the floor you should cut out less so that the floor will sit at the right height.

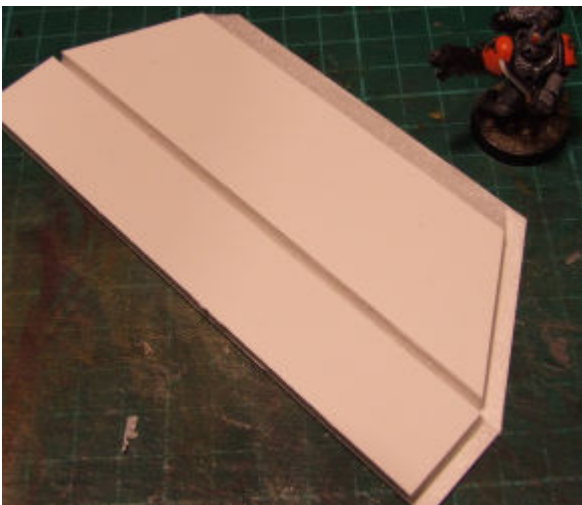
I cut out a 5mm notch down one side on the inside, (cut the first layer of paper and then through the foam but not the bottom layer of paper) so that they will all slot together, or you can cut each side at 45 degrees, your call.



Do not cut a notch out of both sides **ONLY ONE SIDE LIKE THE PICTURE ABOVE**

Glue these four wall sections together with PVA wood glue and leave for 8 hours make sure that **they are square!**

I clamped mine and left them overnight as my foamboard had warped in storage.



Template 2 is 150mm wide, 4 required - 5mm foamboard

The numbers on the template indicate how much to trim out so the they will fold right.

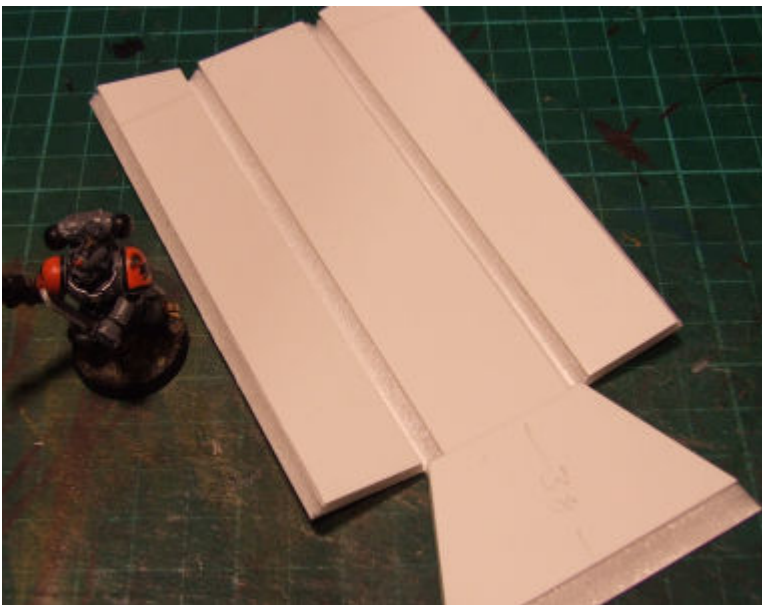
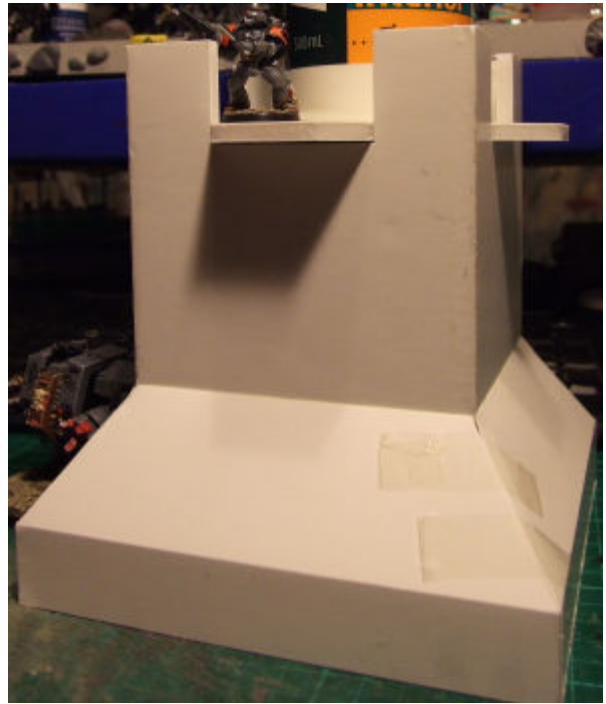
Mark 8.5mm from the top, carefully cut through the first layer of paper and peel it off, shave the foam centre until it looks like this picture.

For the bend, cut along the line then cut 1.5mm on each side of that line, peel the paper and shave the foam, it should now bend, test fit this when all 4 are made.

Cut a 5mm notch down **ONE SIDE ONLY** so that they will fit together.

Glue the sides to the base, use tape to hold it while drying, be patient.

Template 4, top floor – 1 required - 5mm foamboard trim so that it slots into the top like this →



Template 3 - 4 required - 5mm foamboard.

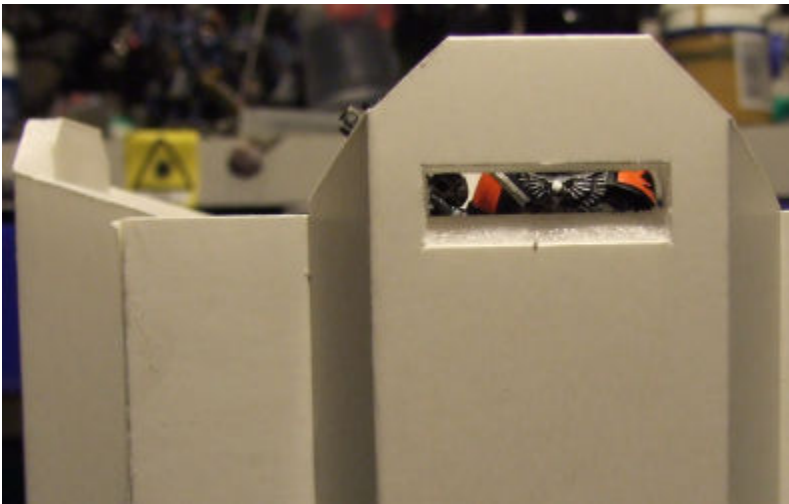
Side edge – cut, peel and shave 2mm

Bend - cut, peel and shave 2mm from each side of a centre line (4mm total is cut out)

Bottom - cut, peel and shave 6mm.

I suggest that you leave the top square for now until you are ready to glue, then cut it into shape so that it lines up correctly with the top of the wall.



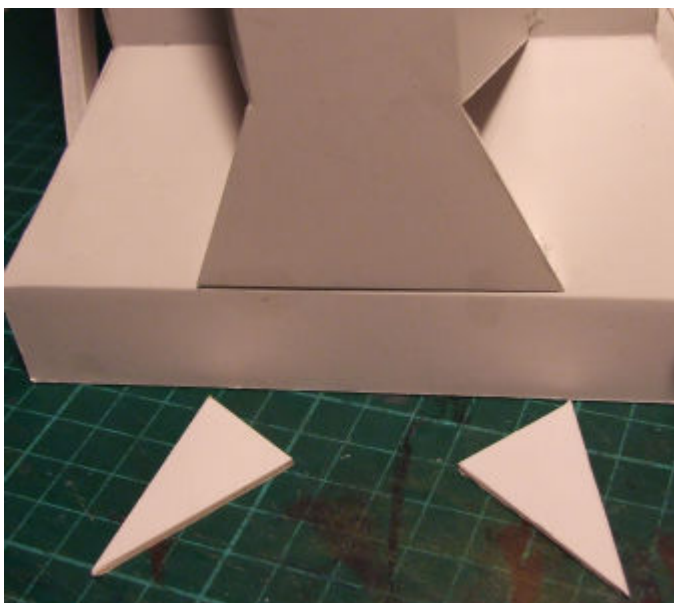
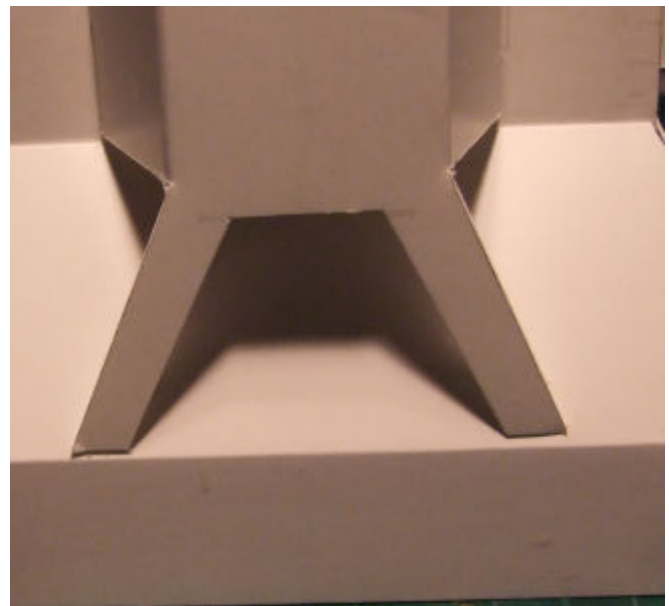


Before gluing cut out the firing slot, the dotted line is only cut in the out side, cut, peel and shave 2mm from the bottom edge.

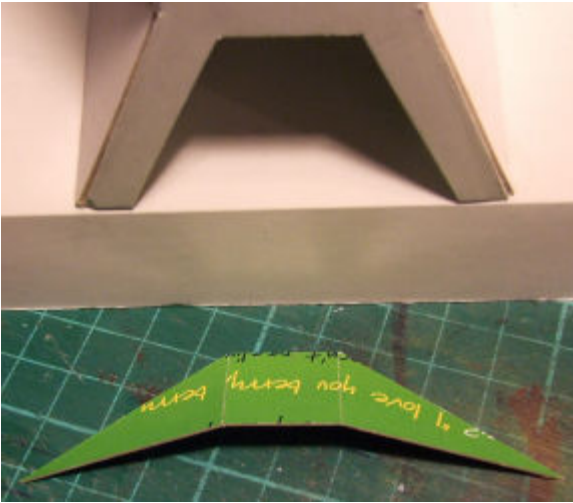
NOTE – before gluing - 3 of these will have this bottom section cut out for a firing point, the 4<sup>th</sup> **WILL NOT BE CUT OUT** as it is for the door.

Save these cut out bits for later.

Ok glue them on now, Blue Tac is good for holding while the glue dries.

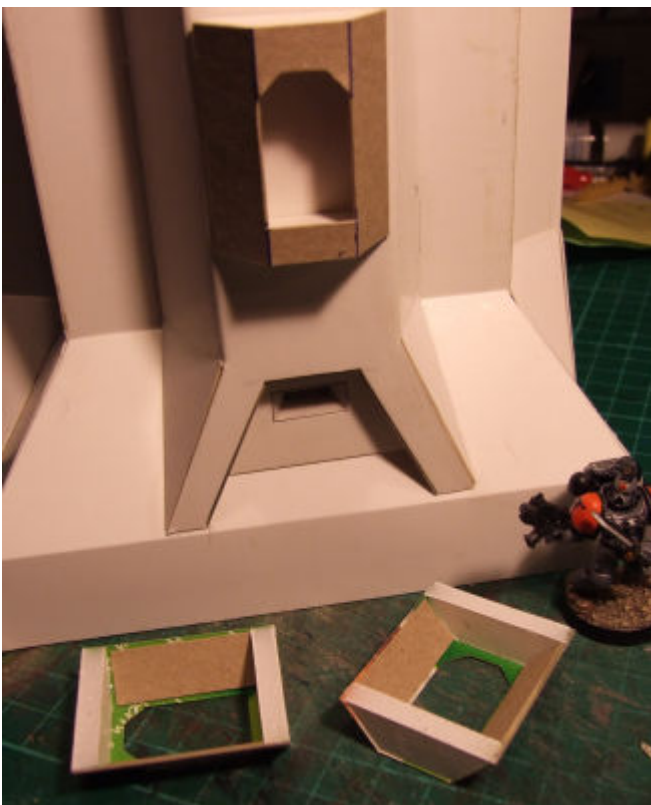
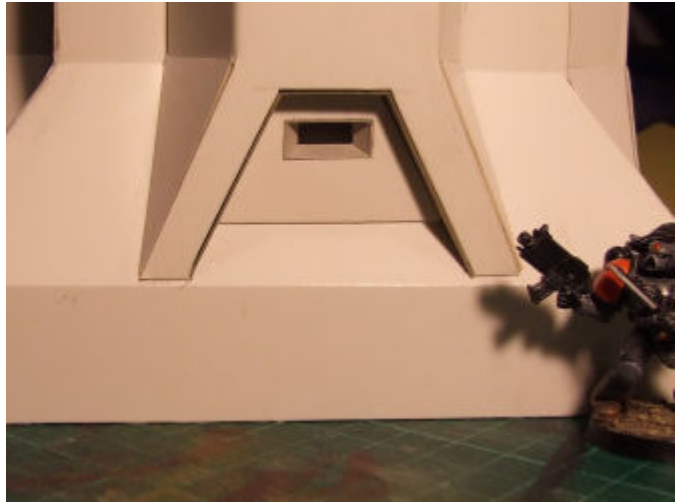


Template 5 – thick card – 8 required to fill the triangular gaps



Template 6 – 3 required – thin card  
Fold and glue inside the lower firing point

Template 7 – 5mm foamboard - 3 required - use that bit I told you to save as it will fit nicely, just need to trim 10mm off **one** side and the top, then cut out the firing slot.



Template 8 – 8 required – 5mm foamboard

Template 9 – 4 required – thin card

I added an extra piece of card on the inside for strength.

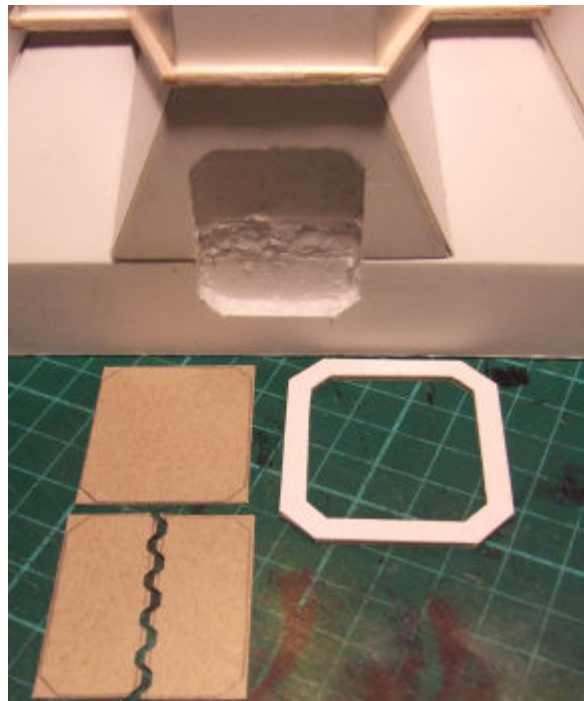


2.5mm thick sheet of balsa wood cut into 2.5mm strips was used as trim

Template 10 – thick card – 1 required

Once this is cut out use it to mark the foamboard wall, cut out the first layer of paper and rip out the foam.

T11 and 12 – thin card – 1 of each, glue to another piece of card, trim to fit the hole in the wall.



To finish add small details and weapons.

Bugbait out.

