Bugbaits Armoury Version 1

This Armoury is 155mm wide, 187mm long and 82mm high (not including antenna)

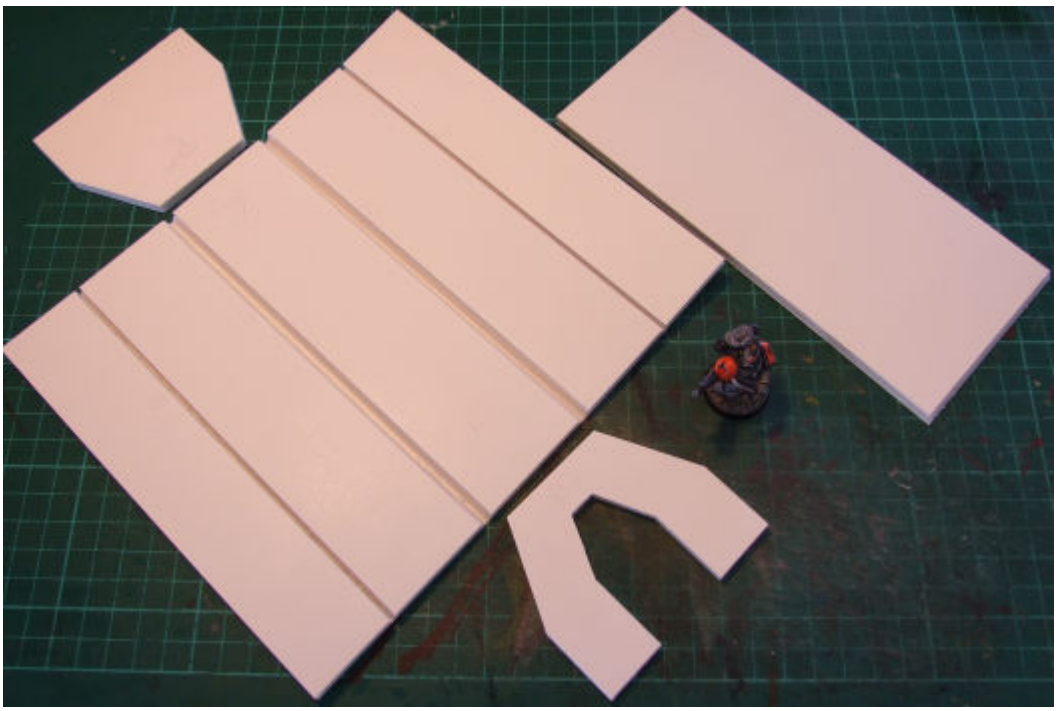
Materials required
5mm foamboard
Thin card – breakfast cereal box
3mm + 4mm Balsa

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, without resizing, cut down the centre of the black lines.

Small dotted lines are a fold line.

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.



BEFORE YOU START CUTTING YOU NEED TO WORK OUT WHAT THIS WILL BE BASED ON.

There is no template for the floor, *if you chose to use only foamboard then you will need to make a rectangle like the one in this picture, 80mm wide 188mm long, you will also need to trim 5mm off the base of Template 2 and 3 so that it fits inside the walls and the small end wall and doorway will sit on top of the floor.*

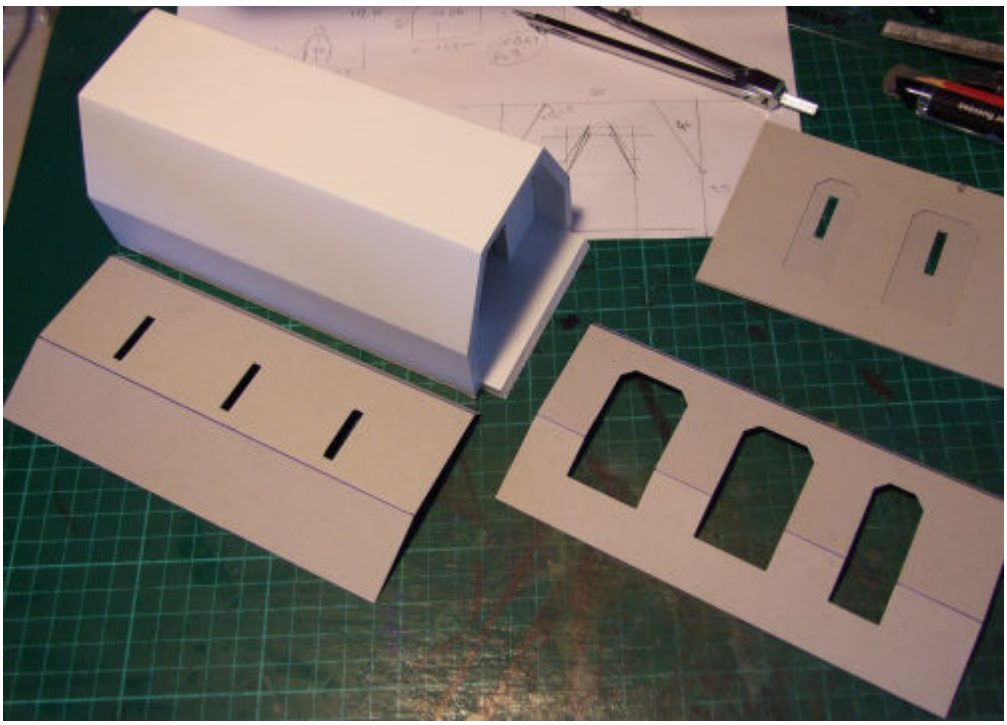
I changed my mind halfway through this, I used 3mm MDF wood instead of foamboard, so I trimmed 3mm off both walls (Template 1) and Template 2 and 3 and sat everything on top of the MDF wood.

Template1 – 1 required - 5mm foamboard – 211mm x 177mm.

For the bends that will be the **top** of the armoury, cut along the dotted lines, only cut through the top layer of paper and the foam, then cut 2.5mm on each side of that line, peal the paper and shave the foam, it should now bend.
For the bends that will be on the sides, cut, peal and shave 1mm on each side of the dotted line.

Template 2 – 2 required – 5mm foamboard.

Only one will have the doorway cut out, there are two lines for the door size, the smaller size is closer to the correct size, I used the larger size because I was not planning on putting a closed door on it so the interior can be easily seen. Don't forget to trim off the bottom edge depending on how you are basing it.
Test fit the ends and glue then with PVA, set the end with the doorway 15mm back from the end like in the picture on the next page – Don't glue on the floor until you have detailed the interior if that is what you want.

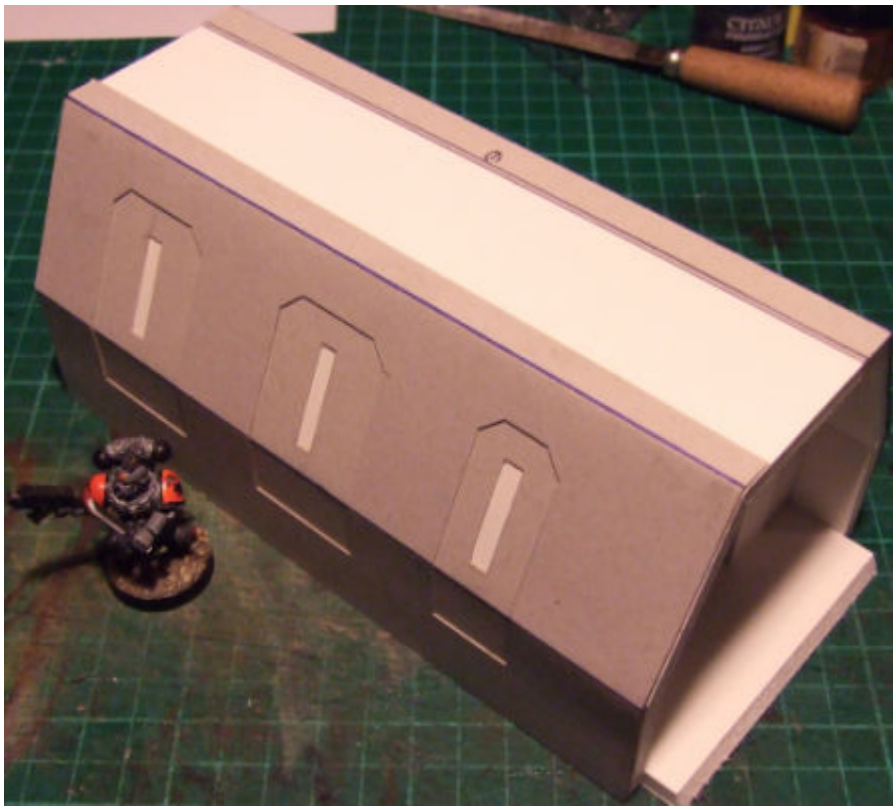


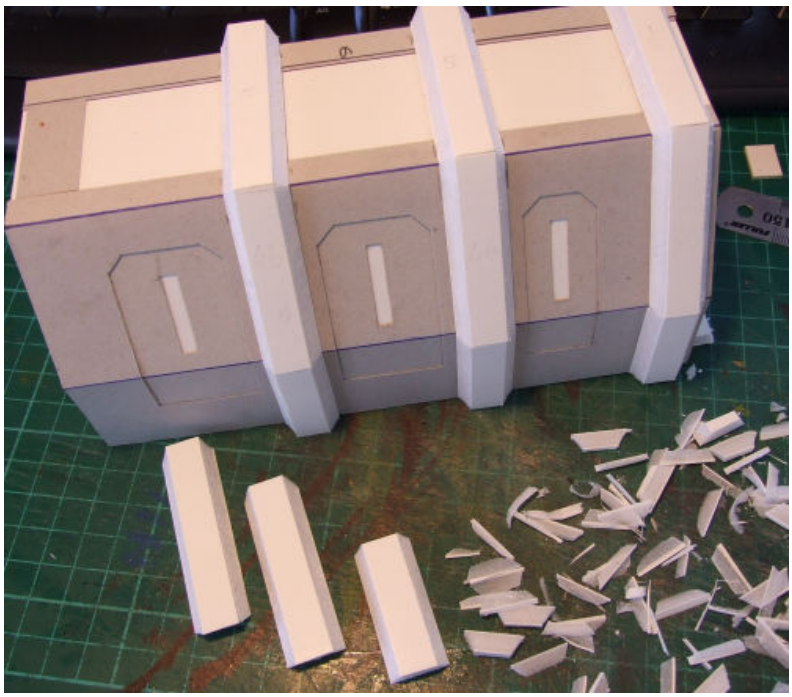
Template 3 and 4 – 2 of each – left and right – thin card.

Double check these before gluing them on (with PVA), the smaller “window” arch goes to the door end, make sure that it lines up with the template 3 “window” slots.

To get the fold line measure up from the base of the wall and mark this on your card, recommend that you glue on template 3 and then measure for the bend on template 4 as it is slightly higher.

Should look like this >





Cut long strips of 5mm foamboard for the ribs – 16mm wide – cut, peal and shave 3mm on each edge. Trim to fit as above, glue with PVA.

The end ones are set back from the outer edge 1.5mm the two middle ones are centralised between the windows, I put card spaces on the roof for something to glue to

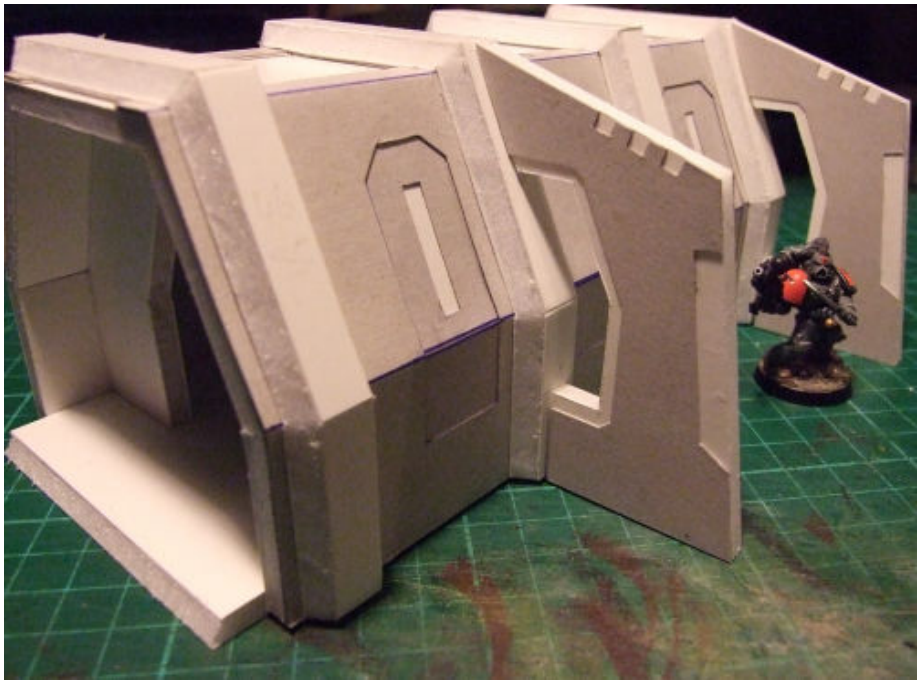
TIP – trimming small bits off foamboard MUST be done in stages, I recommend that you only attempt to cut through the layer of paper that is on the cutting board, then flip the piece over and repeat, then shave the foam core, this stops the foamboard crushing.

Template 5
- 2 required
- 5mm foamboard

Template 6
- 4 required
- thin card

Glue the cards to each side

Like this >



I cover all exposed foam with card, makes it tougher.

TIP – use enough PVA glue so that some squishes out, use your finger to smooth off the excess glue, this also help seal the cut edge of the card and stops it fuzzing up when painted.

Template T7 - 5 required
- 5mm foamboard

Cover exposed foam edges with card

Template T8 – 10 required
– thin card
Glued to both sides of T7

Balsa 4mm – 6mm wide strip cut to fit by the small side window, both sides of the armoury.

8mm squares – thin card - glued to the top of the ribs.

You can see the MDF base, this was roughly trimmed to size and then carefully trimmed with a Dremel and rotary file.

Antenna

Template 9 – 1 required – thin card

This will be wrapped around Template 10 when its completed – glued with PVA.

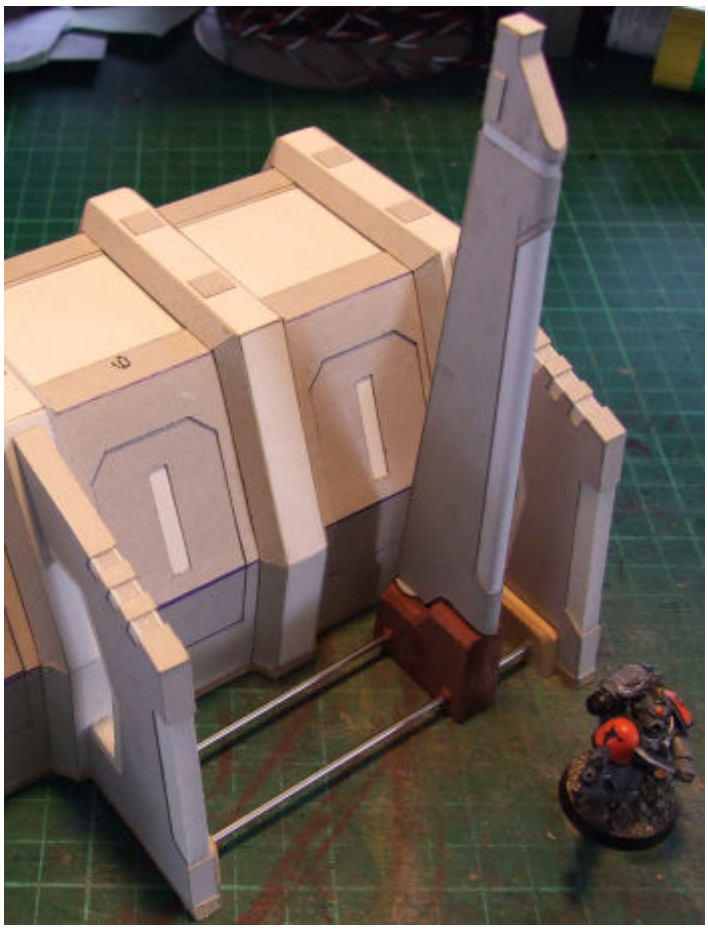
Template 10 – 1 required – 3mm balsa

I rounded the outer edge with sand paper, and covered with one layer of printer paper, then with Template 9

Cap the top with another layer of card leaving 3mm gap to template 9.

Template 11 – 3 required – 3mm balsa

Glue them together with PVA to form the antenna base. I set a rare earth magnet into this and a piece of wire into the antenna.



I used a bike spoke for the antenna to slide on and 3mm MDF to hold the spoke to the walls.

Template 2 – Thin card

Cut 2 window slots
6mm wide 32mm high,
8mm up from the bottom line
20mm between them

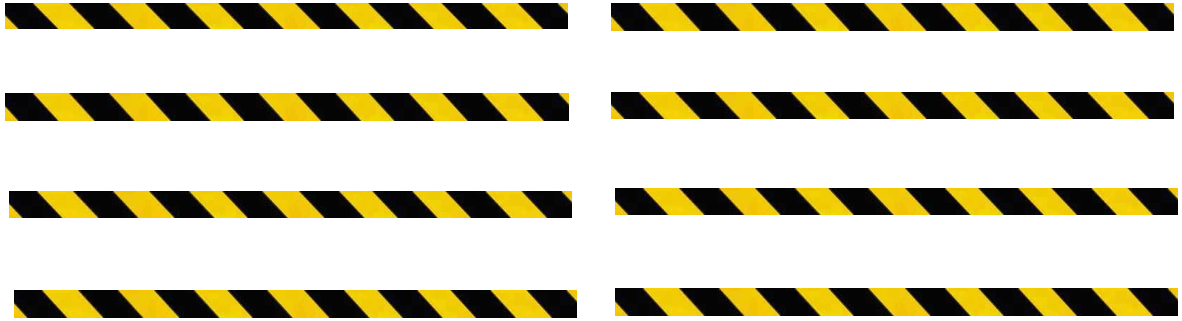
Finished, now go paint it in your favourite chapter colours!

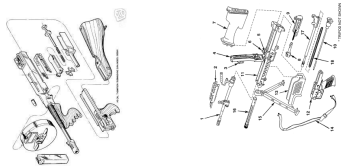
I used automotive primer and GW paints.

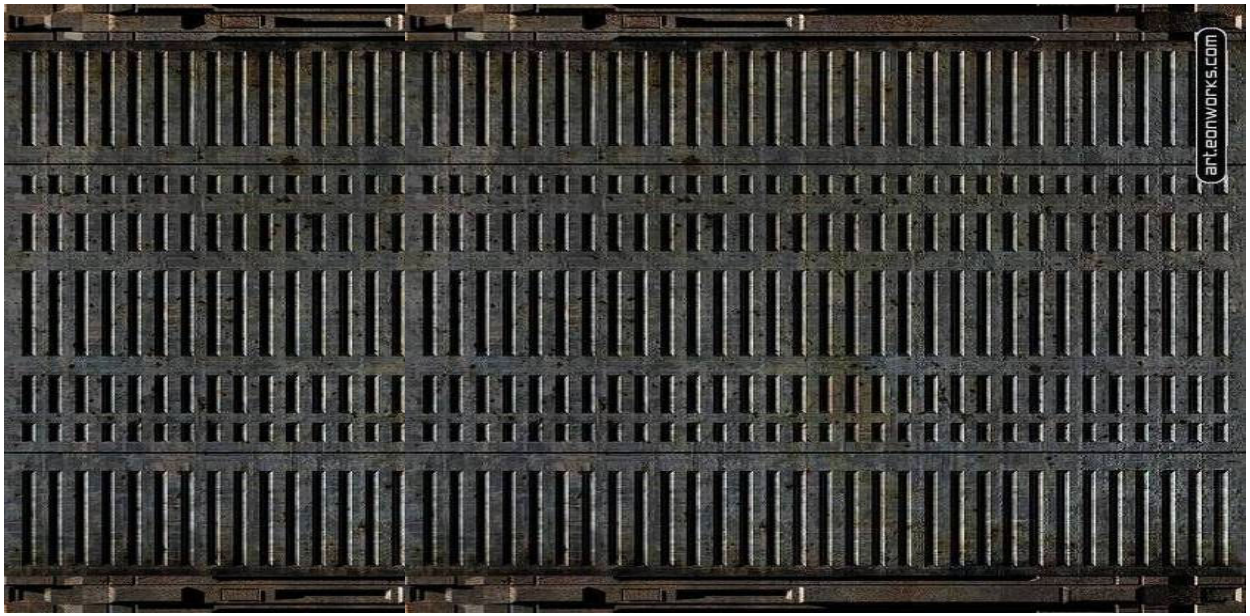
Next page has some handy pics to print out for detailing.

Bugbait out.

Doorway and lower wall warning stripes







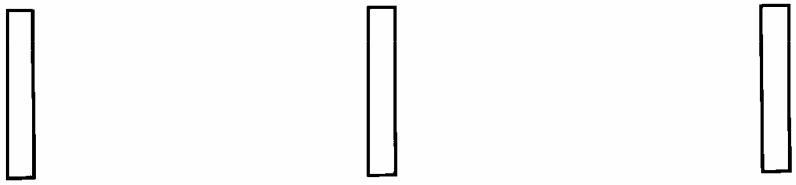
BUGBAITS ARMORY

TEMPLATE1

BUGABITS ARMOURY

THIN CARD

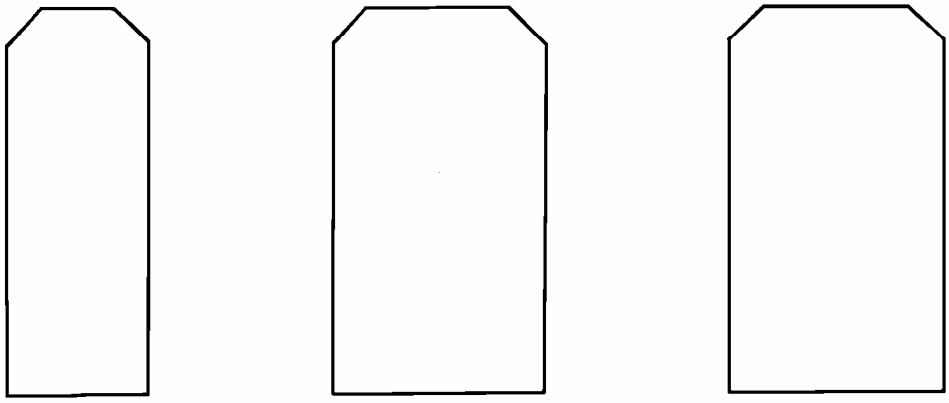
TEMPLATE 3

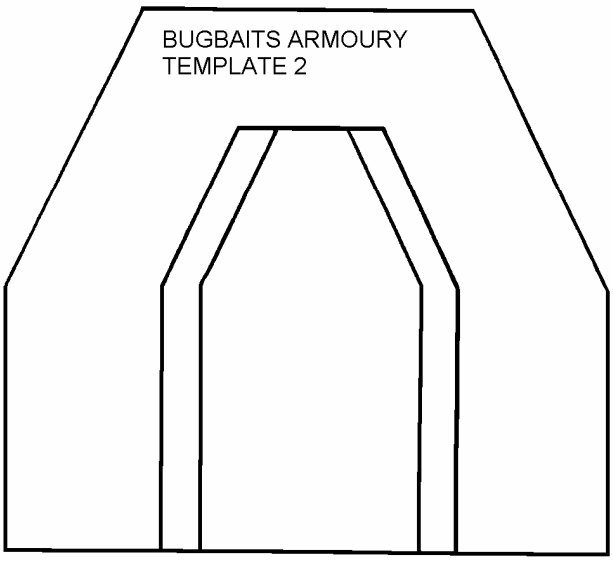


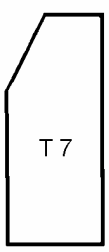
BUGBAITS ARMOURY

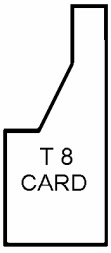
THIN CARD

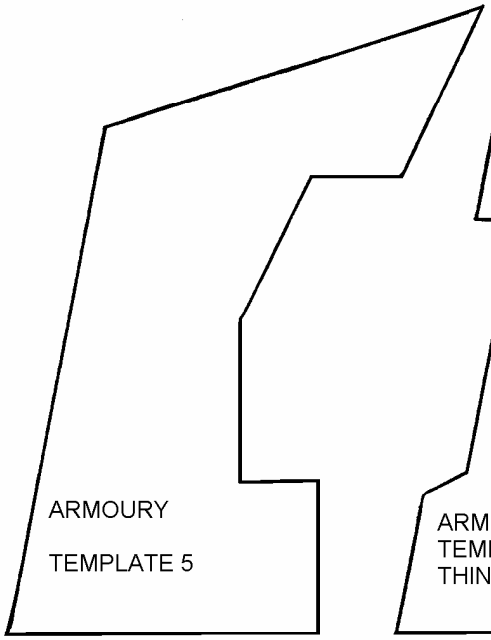
TEMPLATE 4

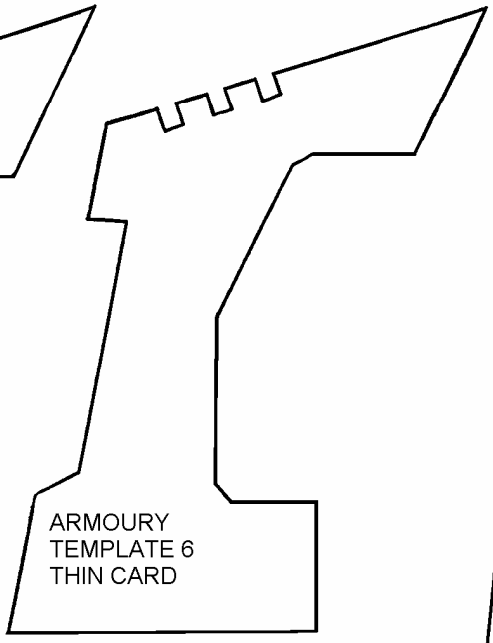


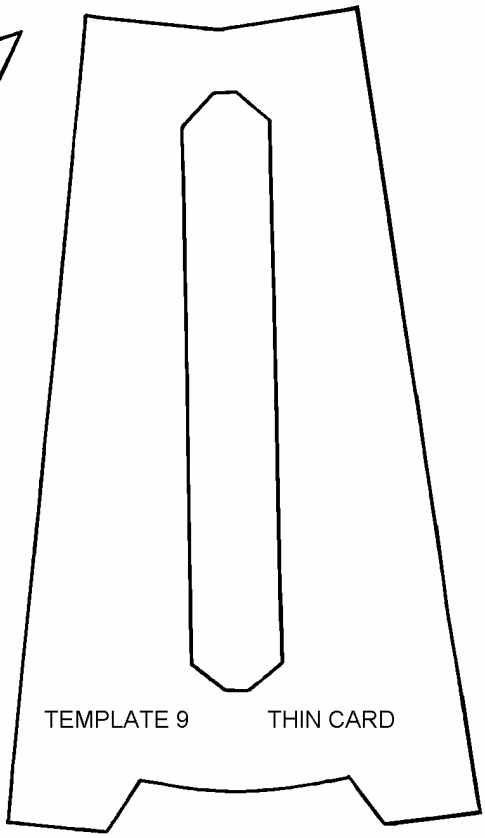

BUGBAITS ARMOURY
TEMPLATE 2

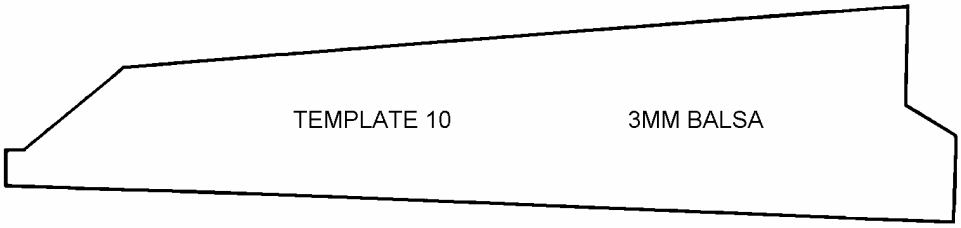

T 7

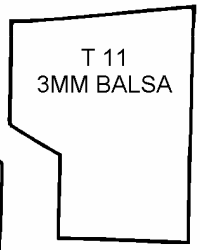

T 8
CARD


ARMOURY
TEMPLATE 5


ARMOURY
TEMPLATE 6
THIN CARD


TEMPLATE 9
THIN CARD


TEMPLATE 10
3MM BALSA


T 11
3MM BALSA