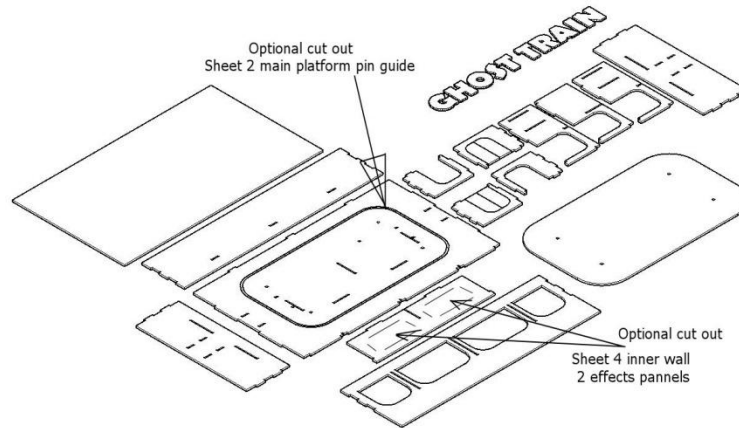


Instructions 1:50 scale

Layout and identify all pieces see ref sheets at end

Cut tabs with a sharp knife on a flat surface to release parts (2 to 4 on each part)

Be aware 3 pieces are optional cut-outs so identify these before cutting out all pieces



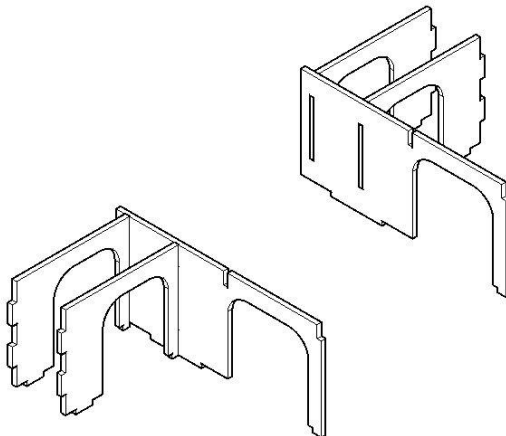
IMPORTANT Do not force piece tabs into slots, slightly sand if needed or file the slot slightly for a snug but not force fit.

Too much force could snap your pieces.

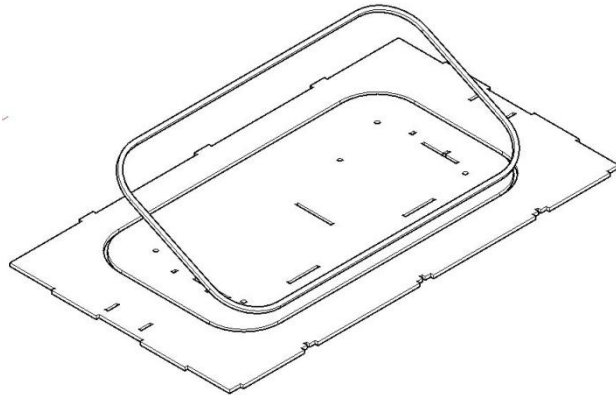
Assemble the left and right door areas Sheet 5

Middle arch left A and 2 x door wall left

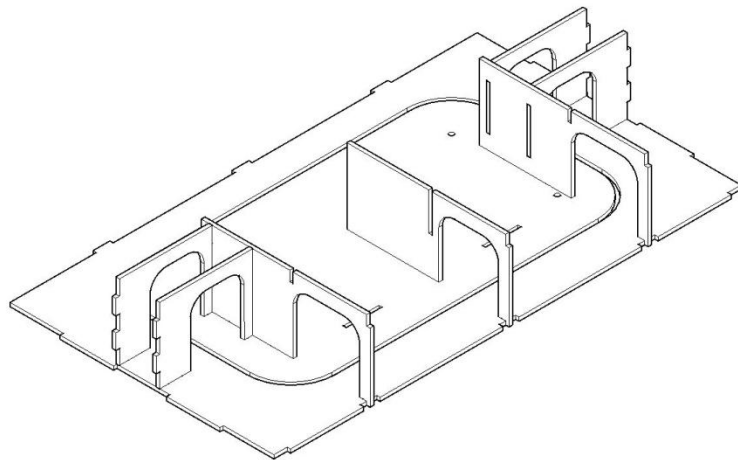
Middle arch Right C and 2 x door walls Right



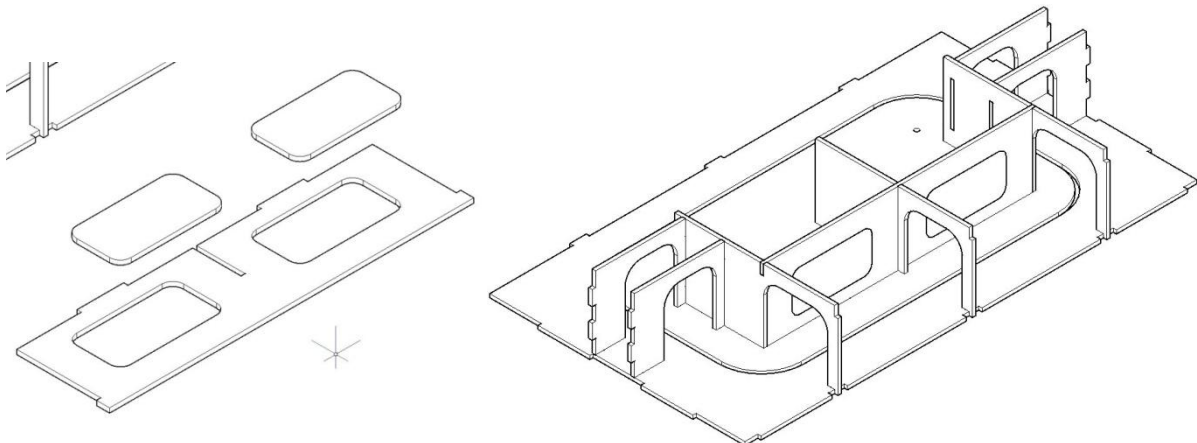
Remove the pin guide or leave in if required dependant on your requirements Sheet 2.



Fit left and right door areas onto main platform along with Middle arch B Sheet 5

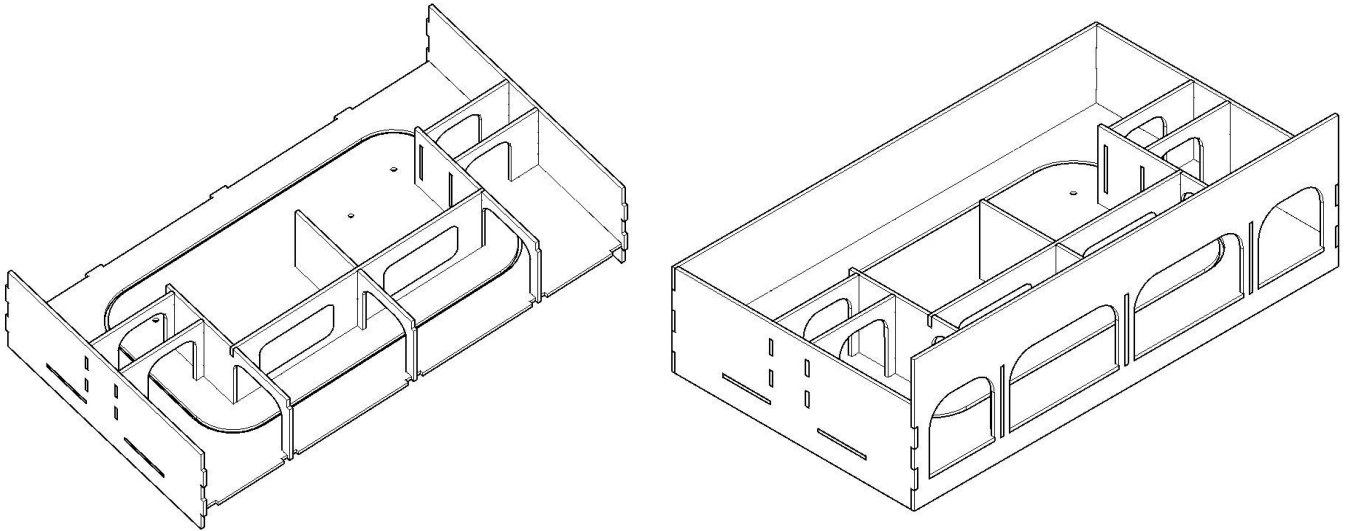


Slide in the inner wall Sheet 5, note the 2 panels can be removed to add effects such as rotating blades or even a small screen etc.

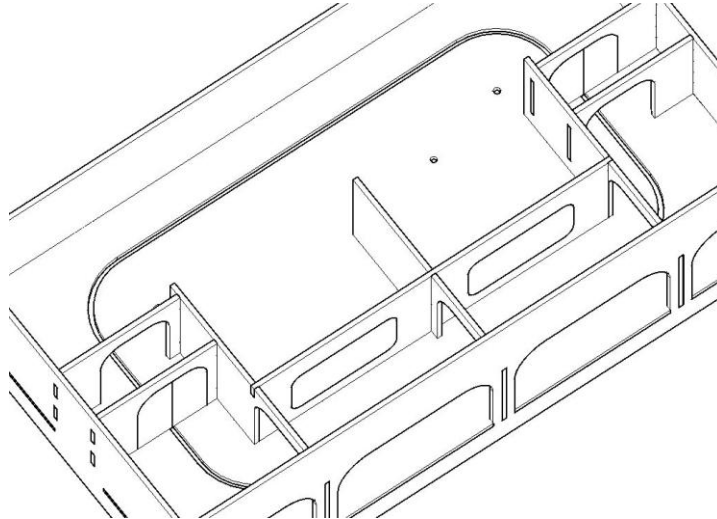


Fit the 2 side walls Sheet 5 and Sheet 4, make sure writing is inside and towards the back.

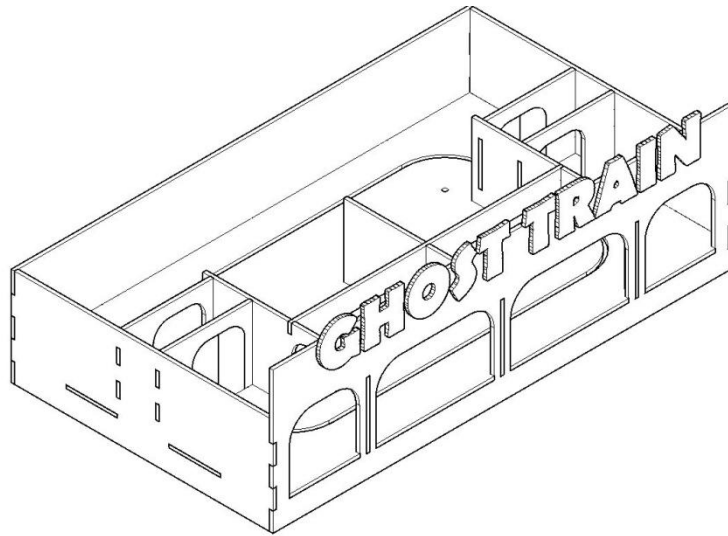
And fit the front and back Sheet 3



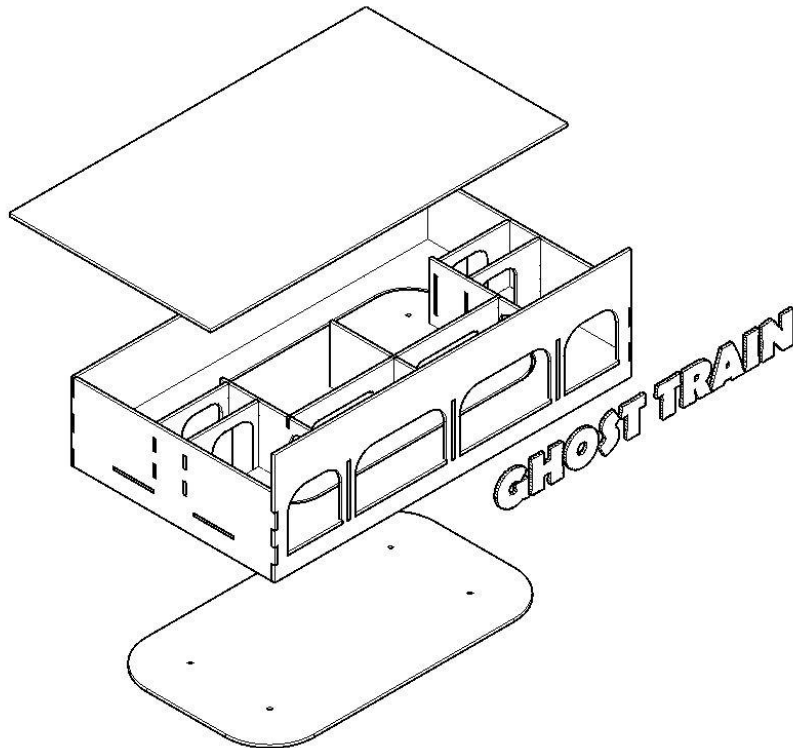
Doors Sheet 1 should be fitted as the picture, if it is a working model doors should be hinged to open into the space between the walls.



Finally fit the letters sheet 1



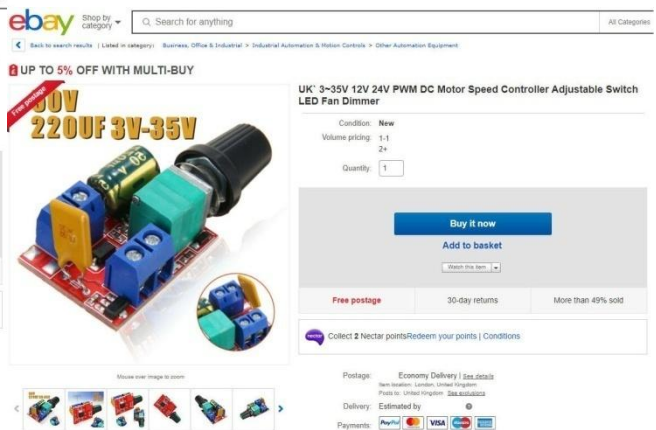
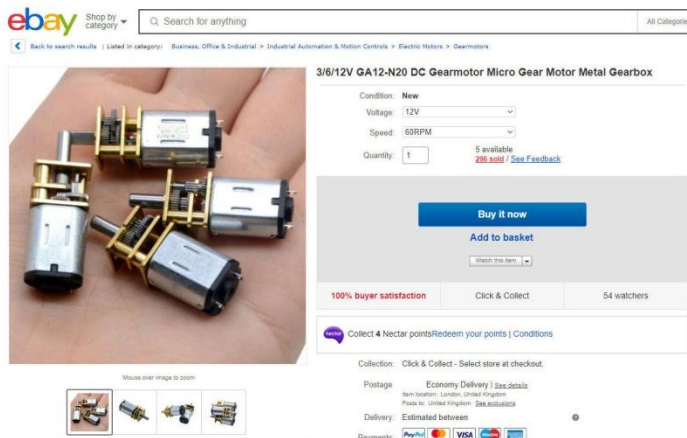
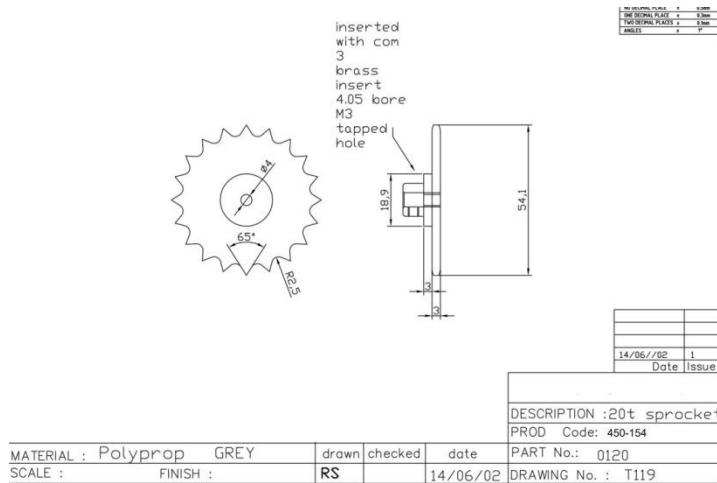
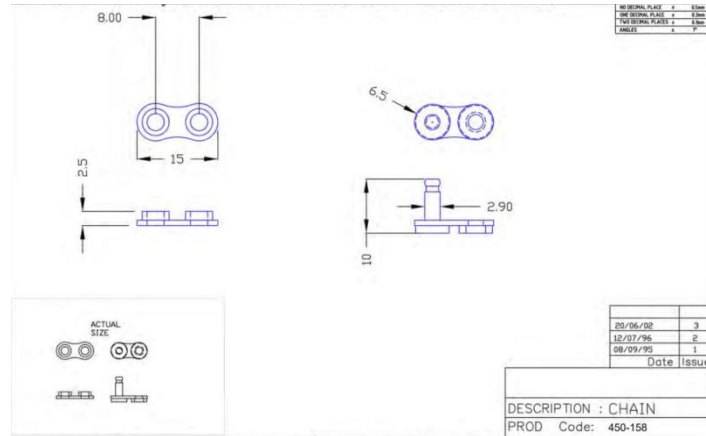
The top should be left loose for access, the optional drive plate Sheet 4 can be used to support gears for chain drive.



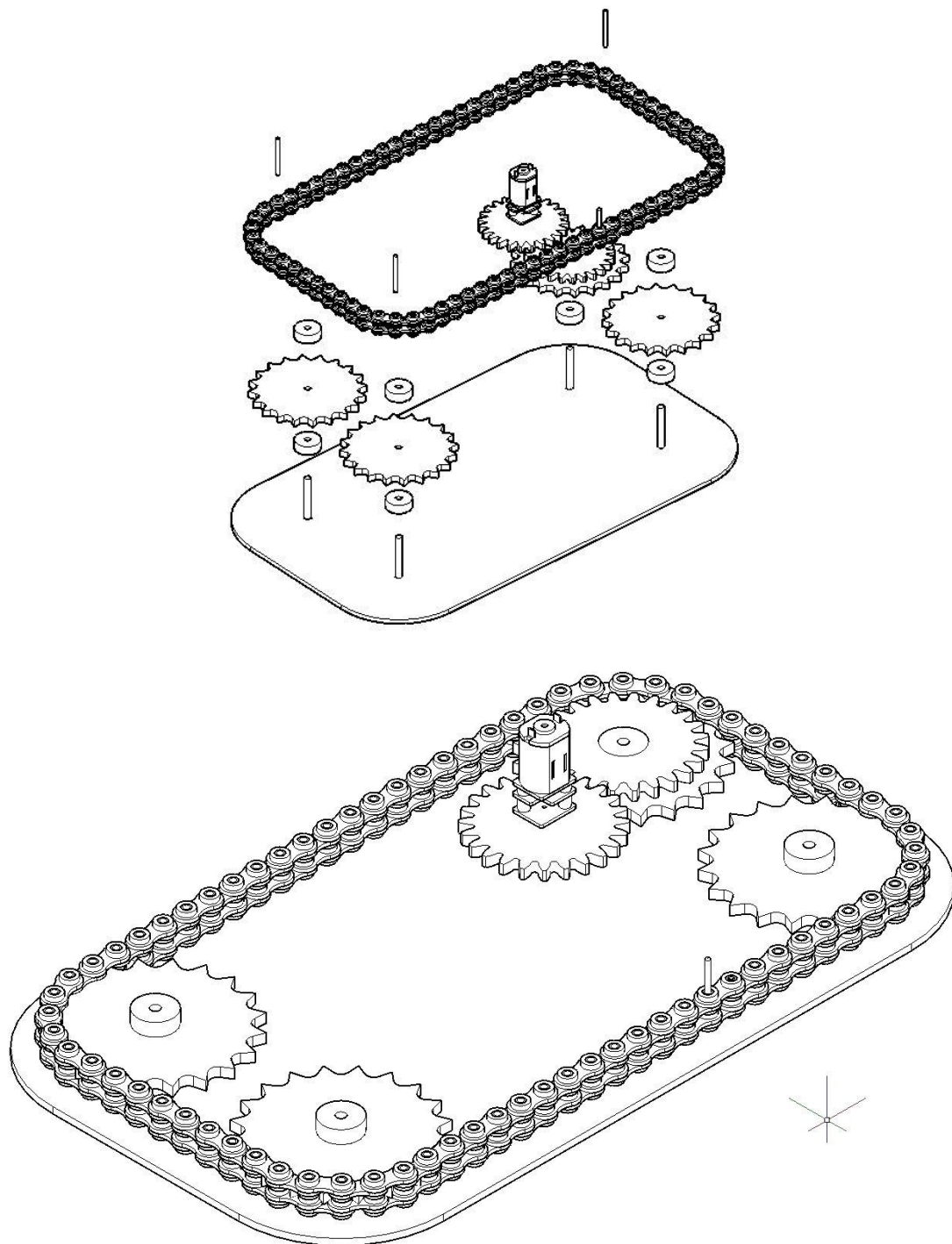
Various drive mechanisms could be used such as magnetic or belt but below is one example of using gears and chain.

My parts that I used below where obtained from eBay, blue plastic chain and 4 gray plastic 20 tooth sprockets plus 2 gears which you will need to source yourself depending on your setup.

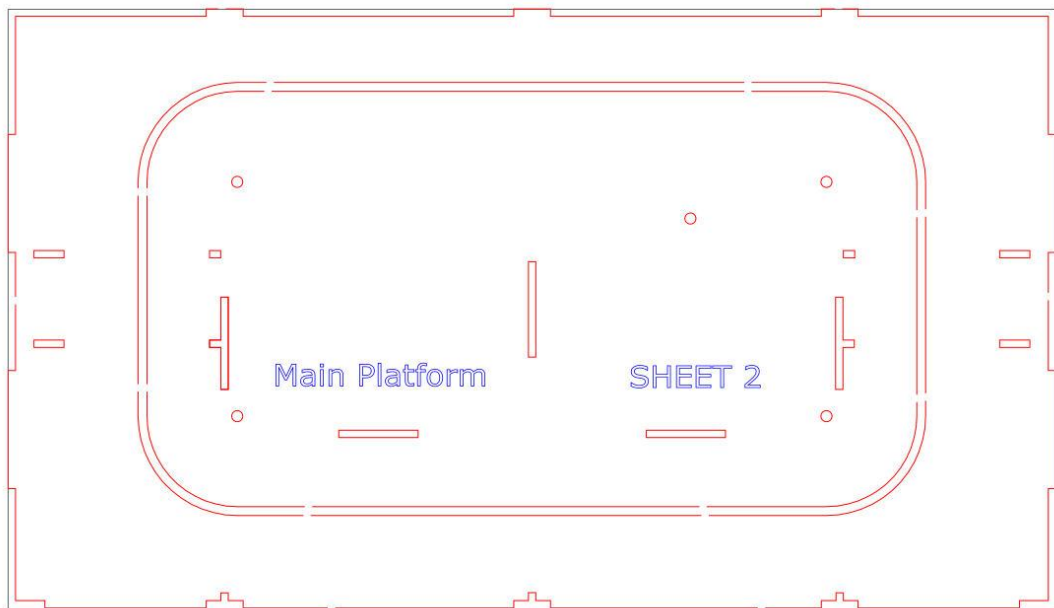
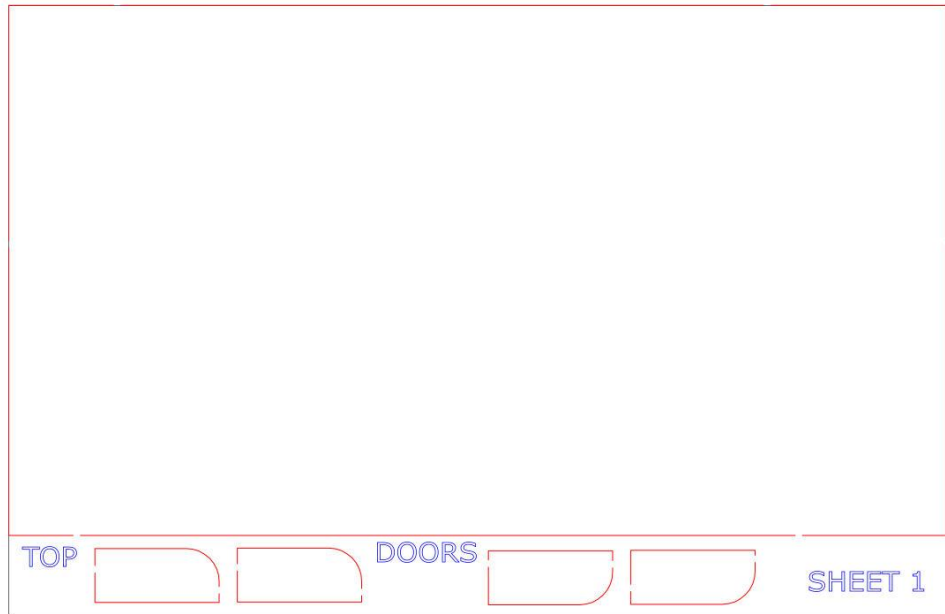
There is a 12v gear motor, I chose the 60 RPM version and a DC motor controller.

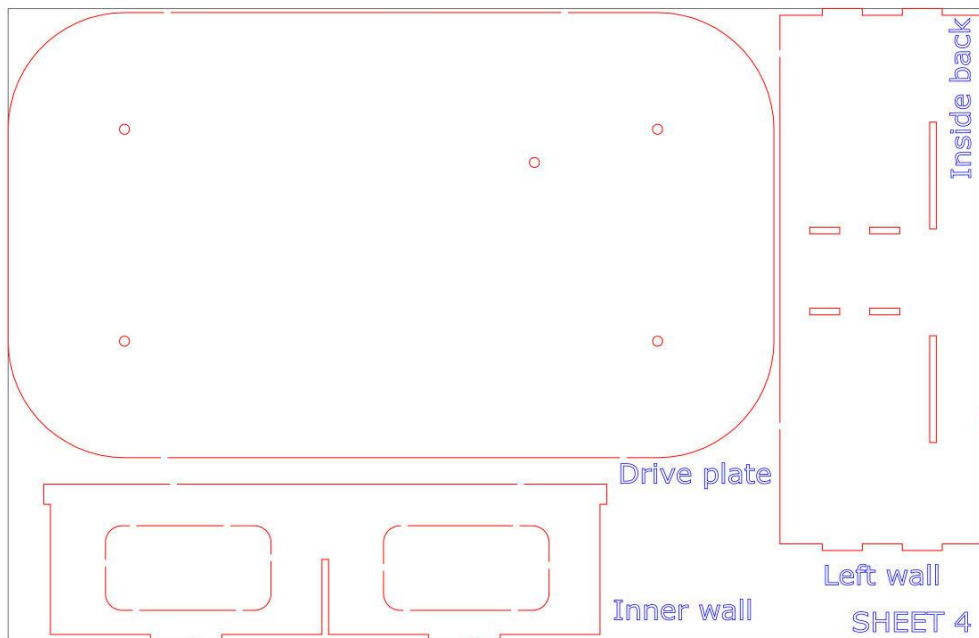


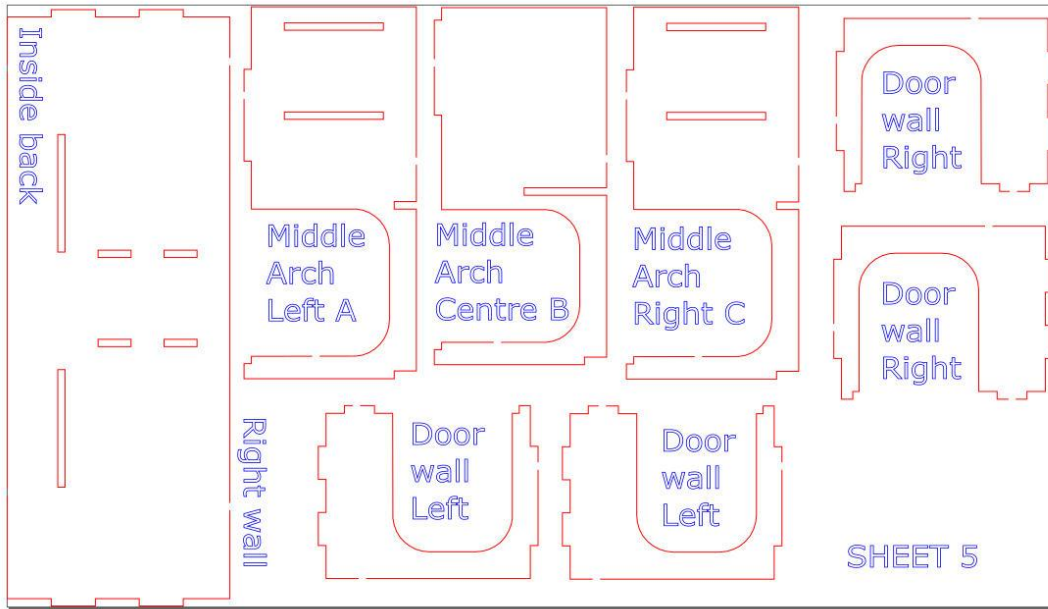
Pins made from dress pins with head cut off, small holes drilled into chain with pins glued in



Reference sheets







Working with Laser cut MDF

If you are new to this type of kit then the following may be useful

The burnt smell is common on all MDF laser cut kits; you can wear gloves if you are concerned about getting charcoal marks on your hands from the edges or the burnt wood smell on your hands

You may wish to spray a primer/undercoat on the sheets before cutting out pieces or if you would rather undercoat the model once assembled.

Cut the holding tabs to free the pieces with a sharp utility knife, snap off blades are good.

File the remnant of the holding tabs with a sanding block or fine file

Make sure you undercoat the burnt edges; you may need more than one coat of primer/undercoat to seal the MDF

You can paint the parts before assembly but either way make sure the parts easily slot together, if not don't force them as small parts easily break – if they are a little tight then file the slot open more.

Once you are satisfied with the fit apply a wood glue or suitable glue and allow parts to set where needed before commencing the rest of the model.

You can use a small stiff bristle brush or old toothbrush to aid removing excess glue as you work, just have some water and a rag to keep cleaning your brush as you go.

Any gaps or places you need to hide the tab edges coming through slots just use ready mixed wood filler and sand/undercoat.

Some edges on corners etc can be made more attractive if rounded slightly with a sanding block or sanding sponge block before painting.