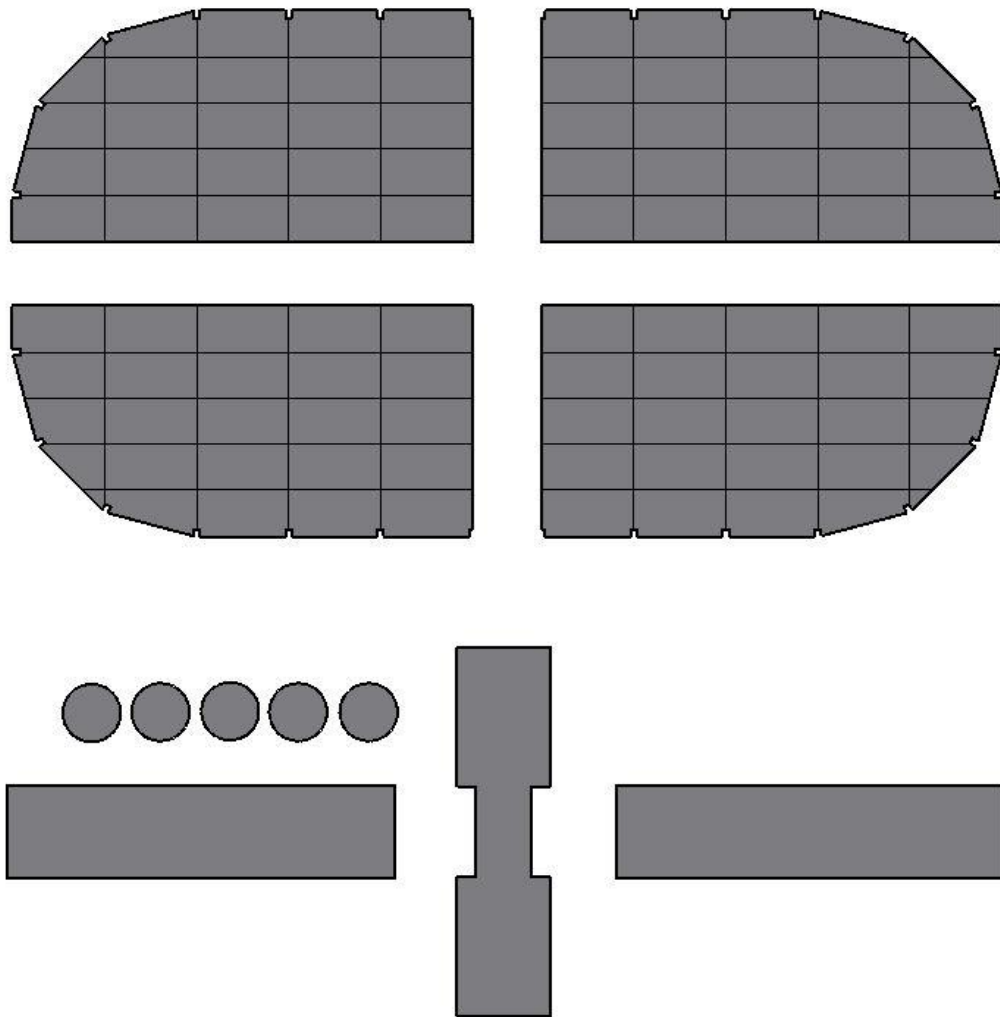


1:50 scale traditional 1950s-1960s 16 car Dodgems

Assembly instructions

Locate the pieces using the part diagrams at the end of the instructions

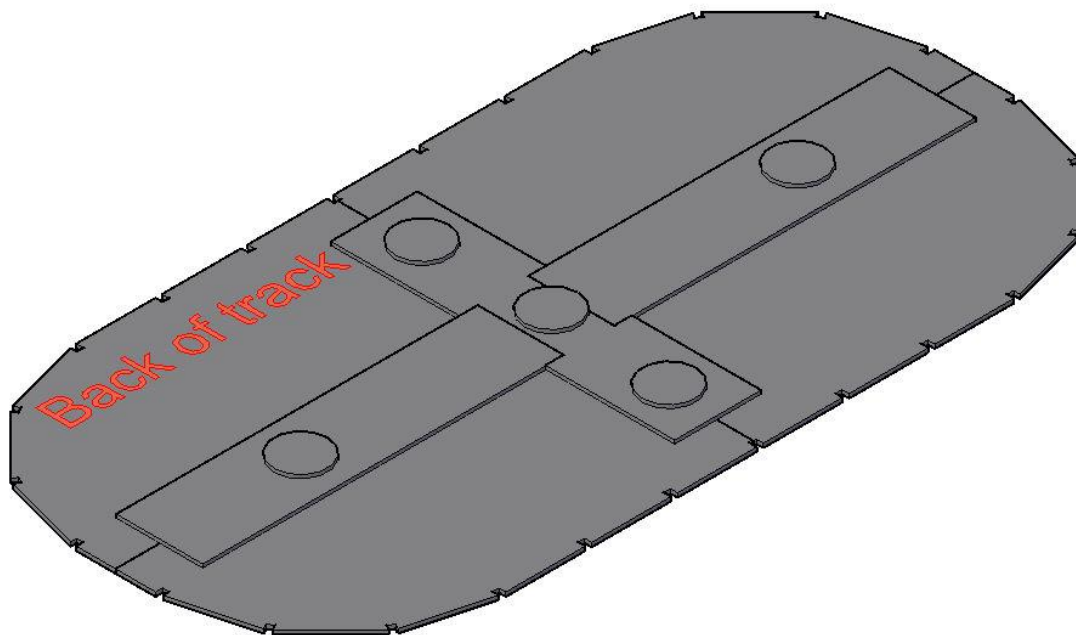
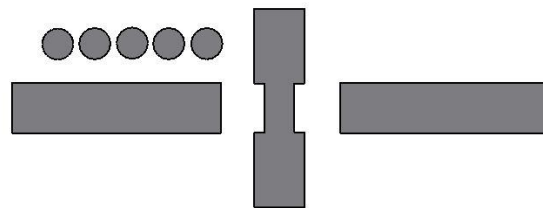
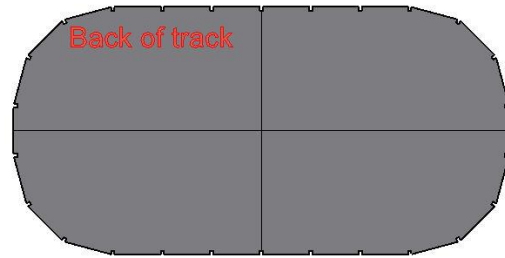
Locate the base pieces and the 3 joiners and 5 round support pieces



Hold the 4 base pieces together temporarily with clear or masking tape; be as accurate as possible to align all parts before taping.

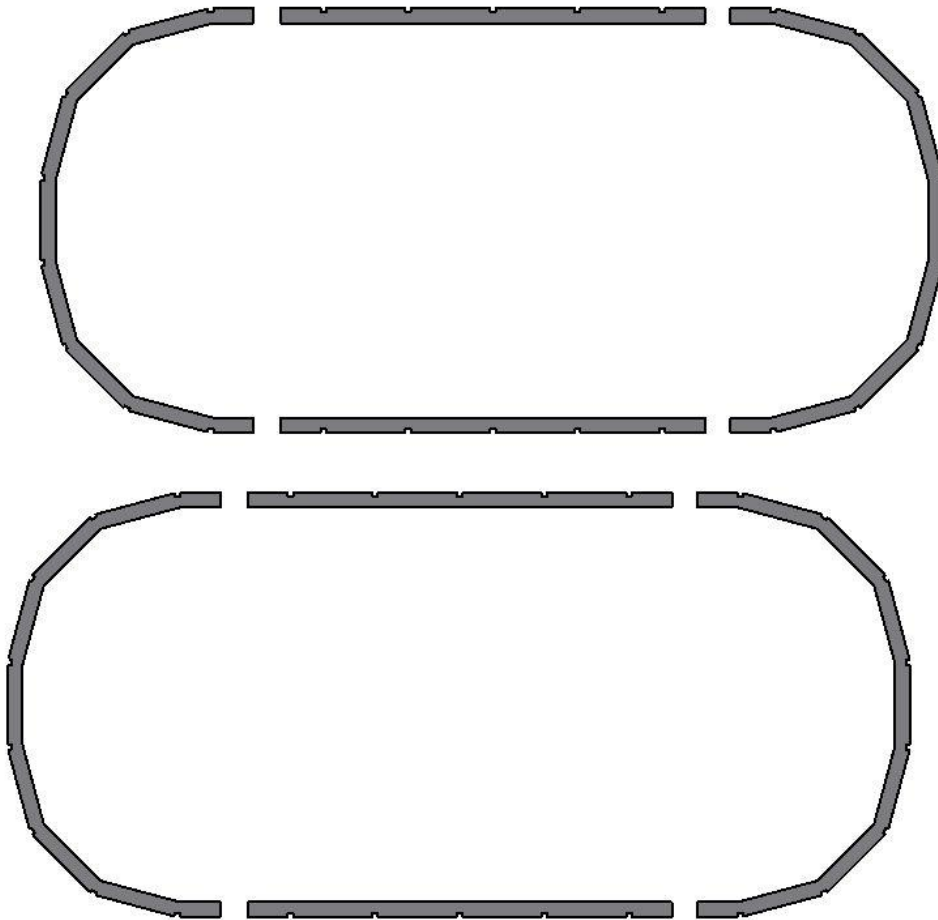
Turn the base over and glue the 3 joint pieces over the joints, these don't need to be precise.

Glue the 5 support pieces on top of the joint pieces, again these don't need to be precise.



Locate the 8 underneath edge frame pieces

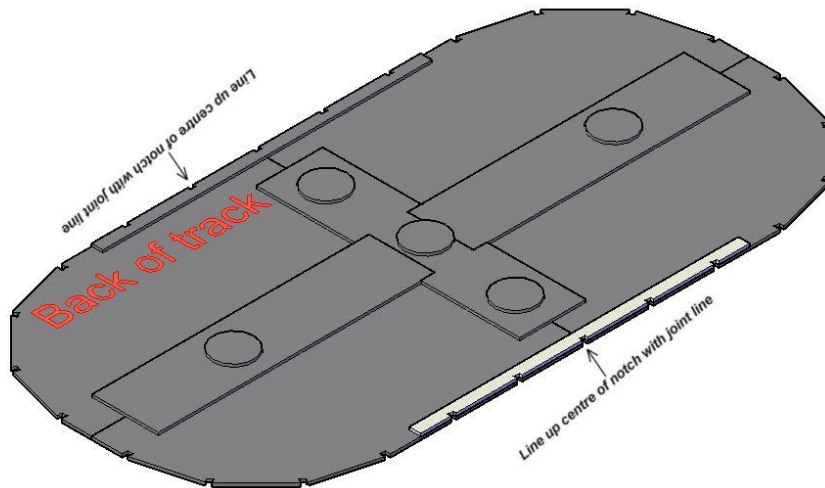
The parts with the cut-outs on the outside edge



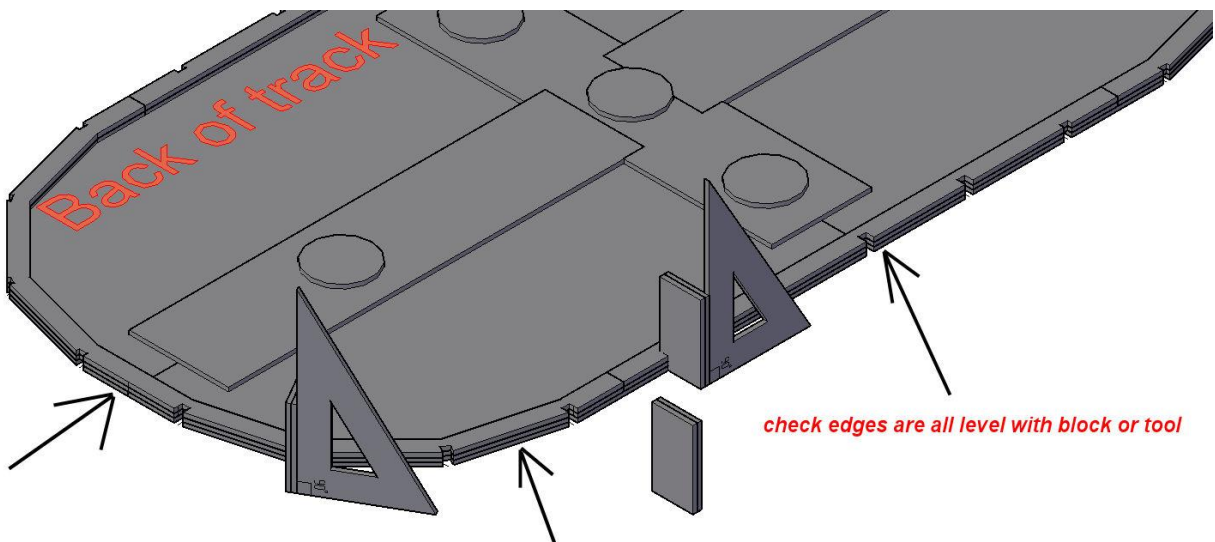
Glue 2 sets of these around the underside edge; again be as accurate as possible with these. Use a block of wood or the supplied right angle tool to help.

It is better to fit the straight pieces first lining up the cut-outs with the base cut-outs.

Use 2 of the small rectangle pieces glued together to align the cut-outs, there are 3 sets of these to aid you.

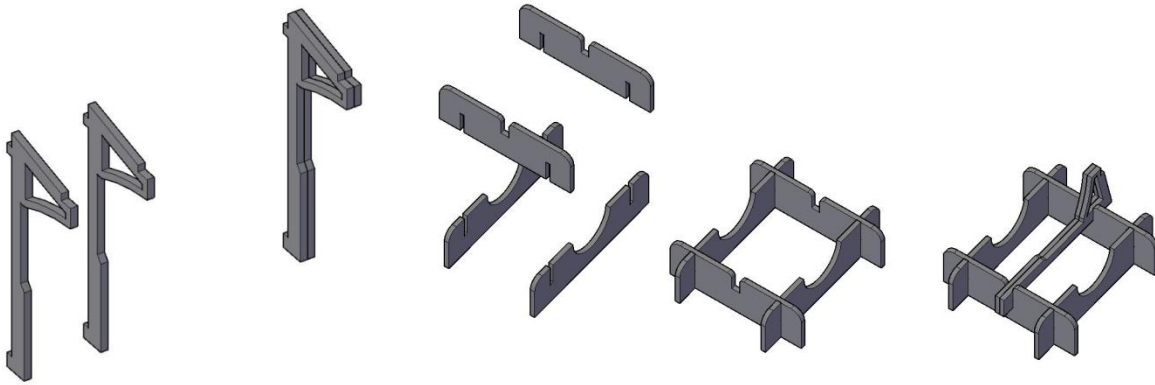


Fit 2 sets, one on top of the other so it is doubled up, using doubled up rectangle pieces from sheet and the square to make sure all parts line up and all is straight, care taken at this stage helps with fitting the upright posts later

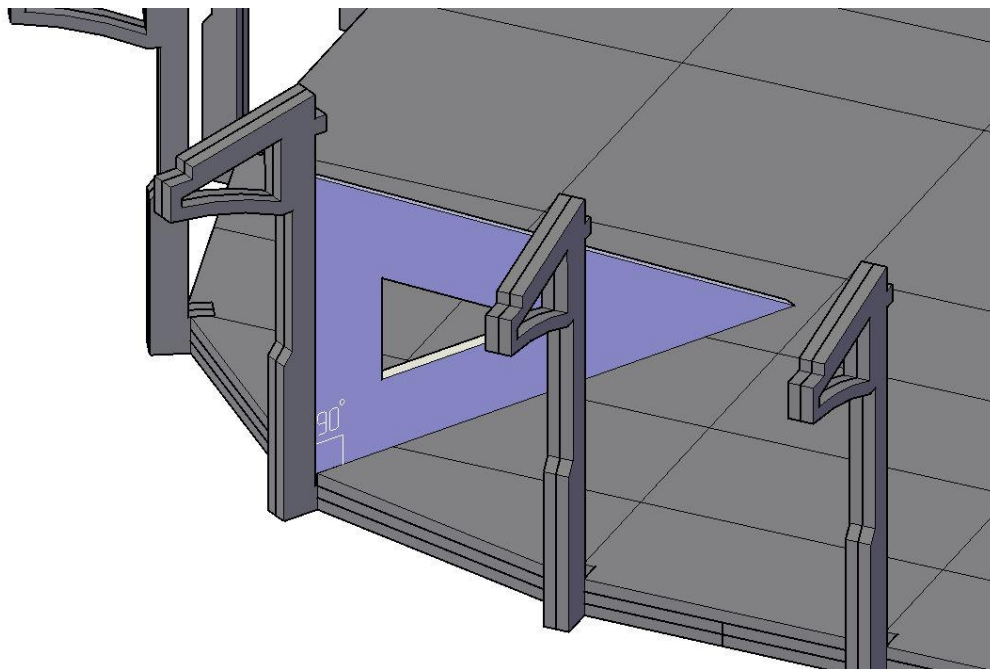


Carefully place some weight on top and allow glue to dry before turning over

Next locate all 52 of the upright posts and glue them in pairs to make 26 of double thickness. Assemble the supplied jig if required to make gluing the posts together easier

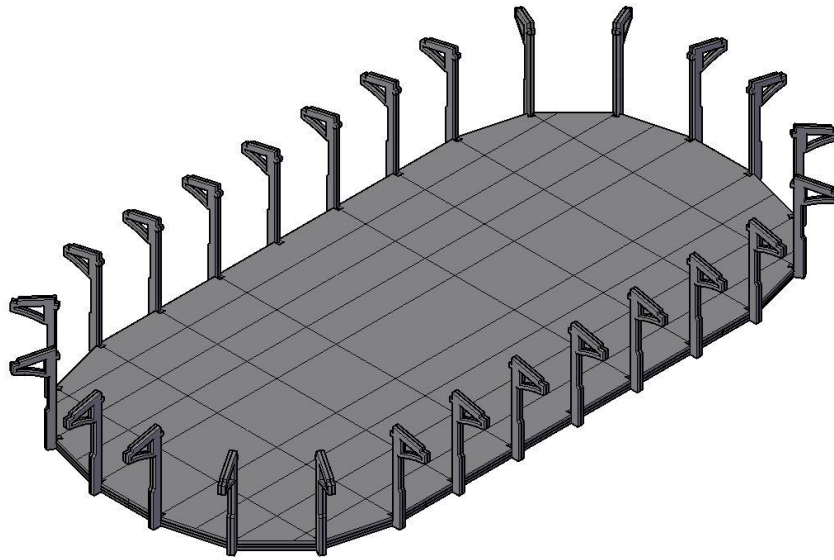


Glue the upright posts into the notches on the base. Use the right angle to keep checking that the posts stay straight with the base as you insert more.

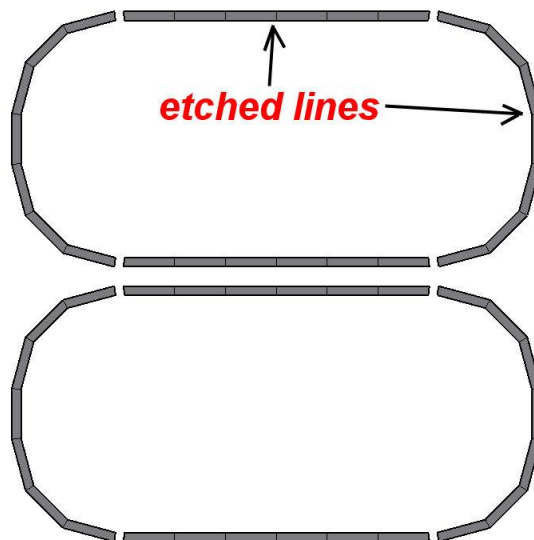


Using waxed paper or a non stick surface will help to not stick it to your table top while these set.

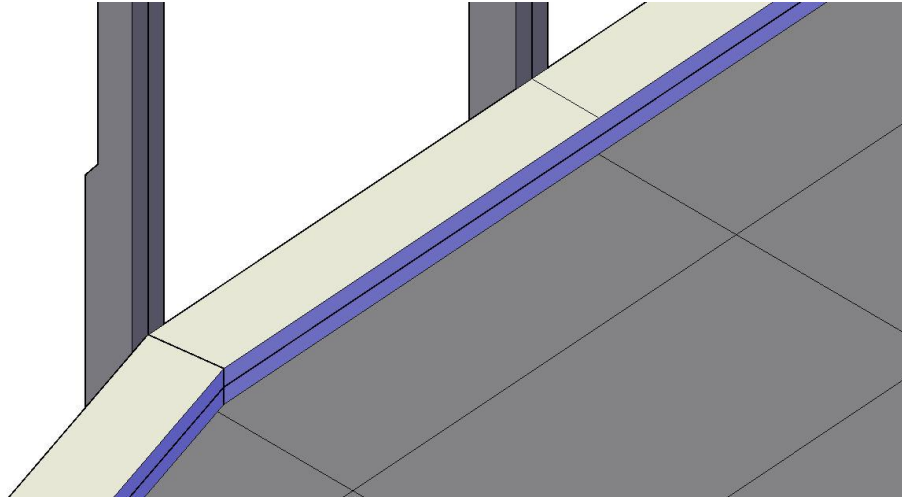
Again care taken to keep the post at right angles to the base accurately will make all the other parts fit much easier.



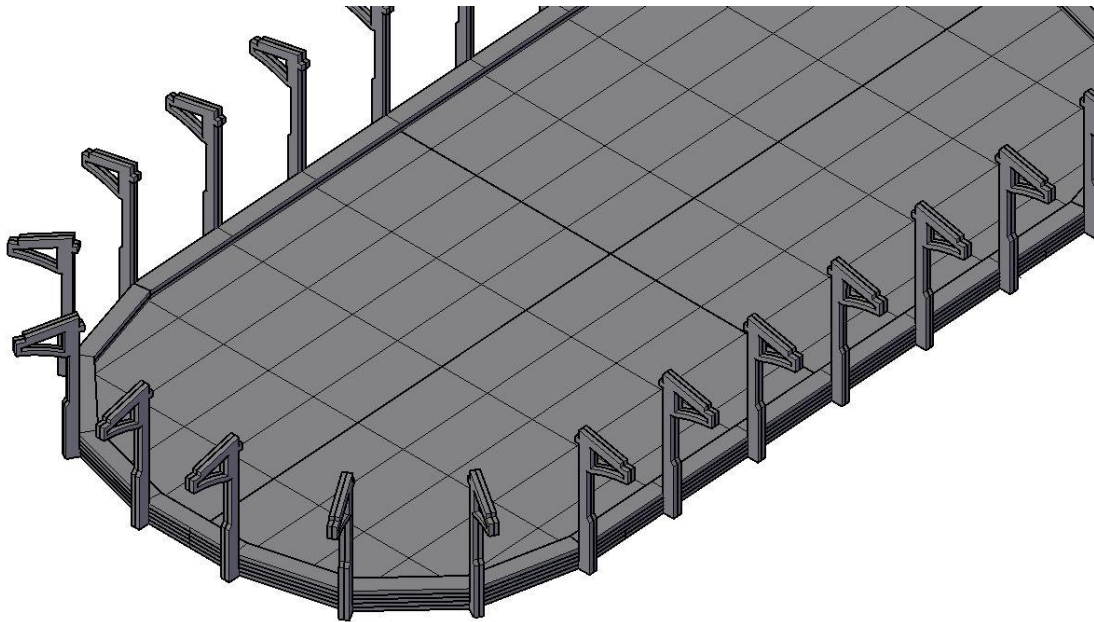
Locate the 2 sets off inner buffers



Fit buffers doubled up around top edge of track up against the posts and flush with the outside of the track

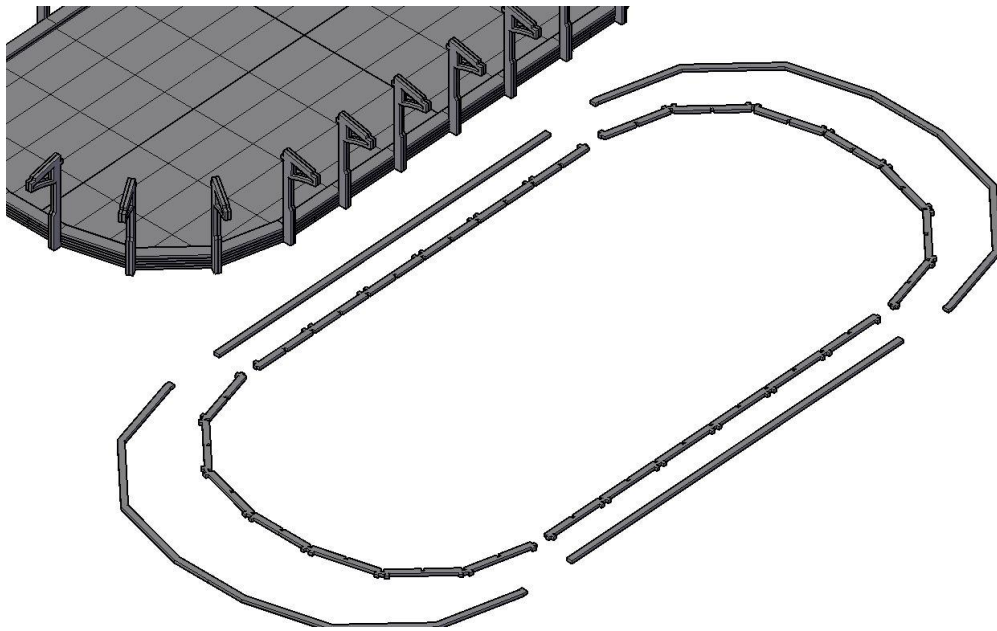


The lines are only etched one 1 side so make sure to check you have them the right way up



Next locate the inner and outer frames that go around the top of the posts.

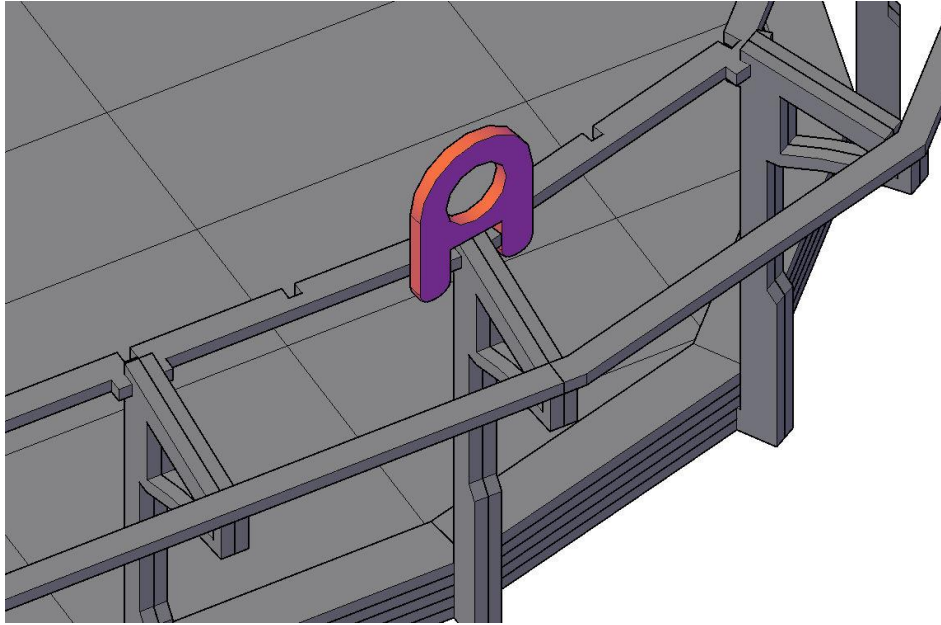
Care must be taken when removing, sanding and working with the inner frame as this is very thin in places and easily breaks, if it does break you will need to glue it on in pieces and hold with clamps or tape until dry



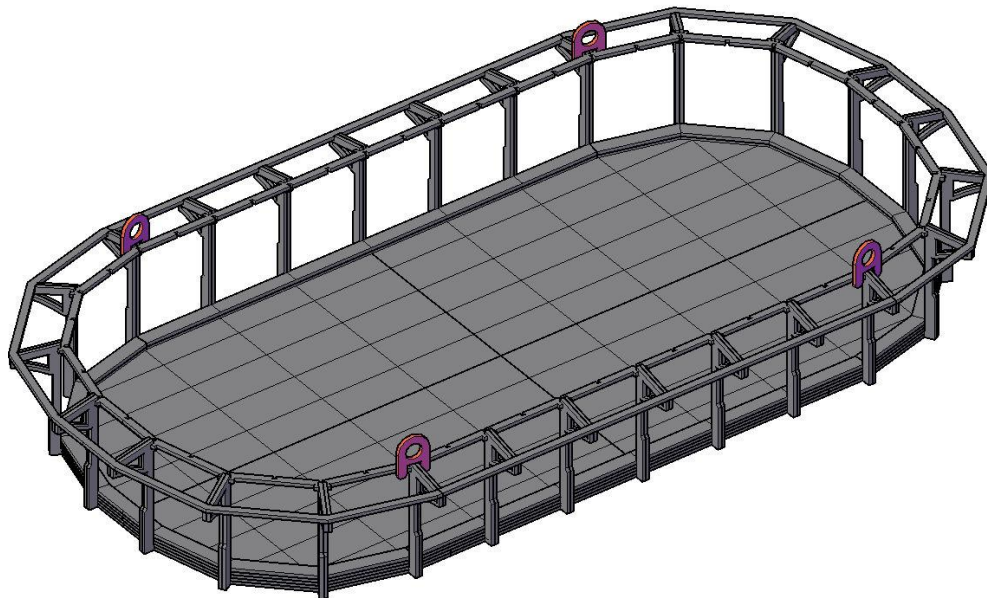
Glue the inner frame on with the numbers upwards and locating the posts in the notches, don't force them in – very carefully file a bit out if needed.

You can use the supplied clips to hold the joints of the inner frame together until dry if required

Once the inner frame is fitted, glue the outer frame in place

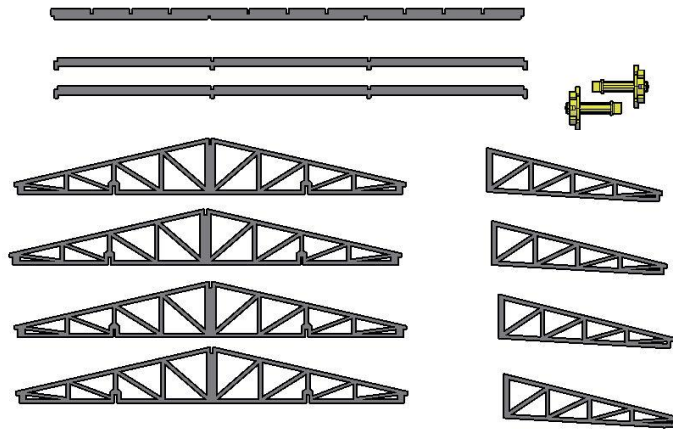


4 temporary clips in place on the 4 joints, make sure not to get glue on these and wiggle them now and again to keep them free until the glue has set

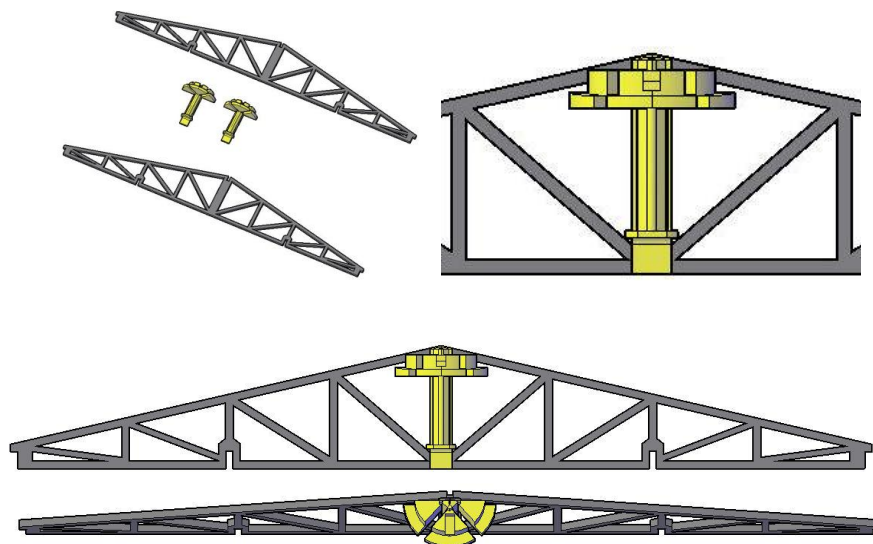


Locate the parts for the main roof support structure

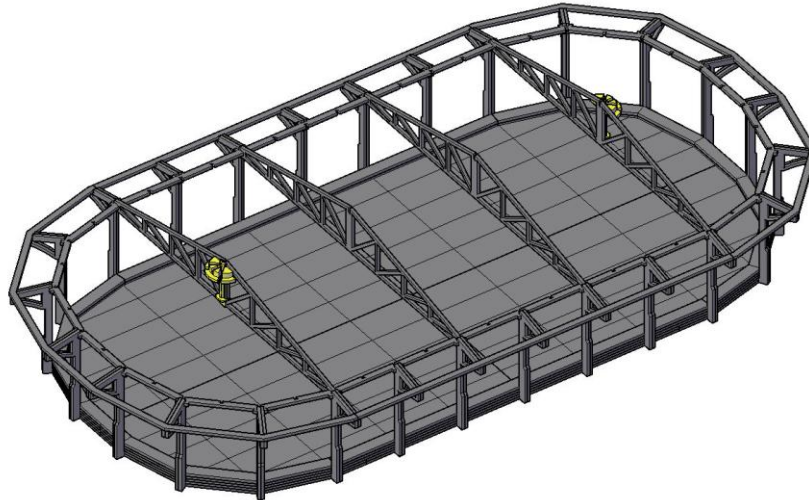
This includes 2 x 3d printed plastic parts that need to be glued onto 2 of the roof sections



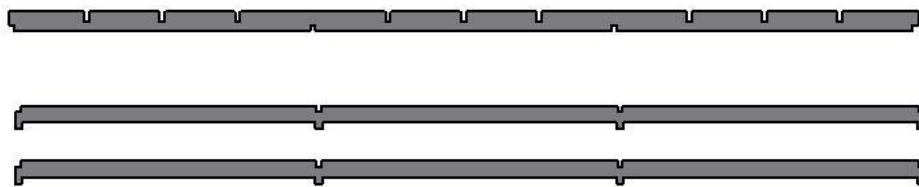
Glue the plastic parts onto the centre of 2 of the roof sections with superglue or similar, make sure they are lined up with the top and bottom and are central on the roof section



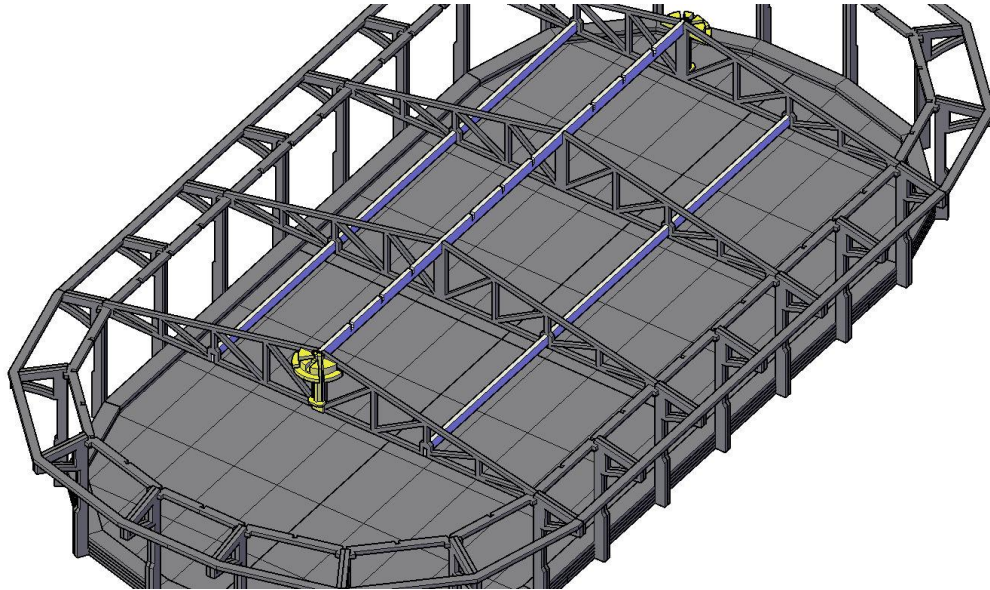
Fit the 4 roof sections as shown with the plastic parts on the end sections



Locate the top ridge piece and 2 tie bars that go across the underside of the roof sections



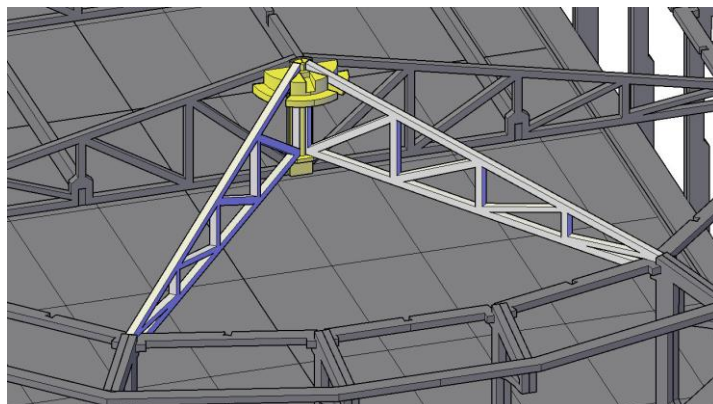
The ridge piece is glued on with side with most notches upwards and the tie bars are glued notches located with roof section notches

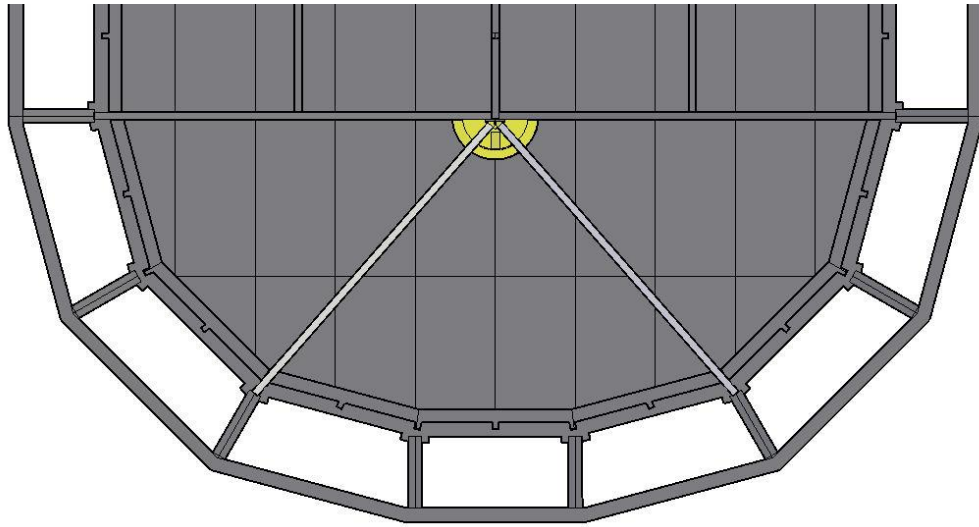


At this point the roof is quite strong so if you intend to fit any wire mesh etc, this is a good time to do it before fitting the half roof sections and remaining rafters.

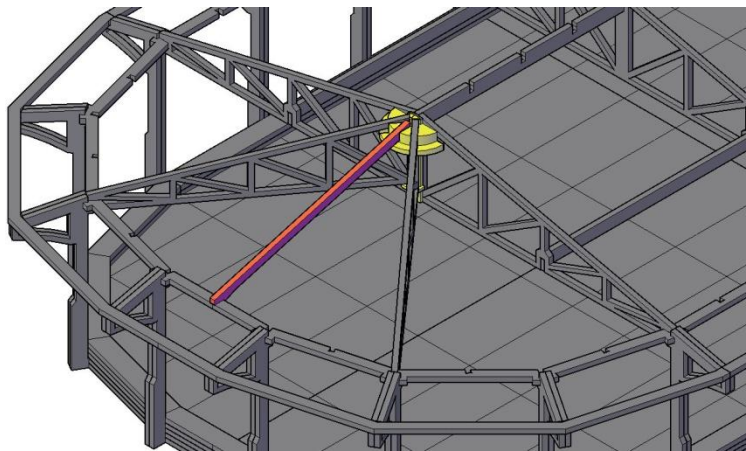
Glue in the 4 half roof sections; slide them down the slits in the plastic parts until they rest on the ridge.

They look a bit strange as they don't run in line with the post but this is correct. You may need to file a slight bit off the end corner of the roof sections if they are too long to fit against the post

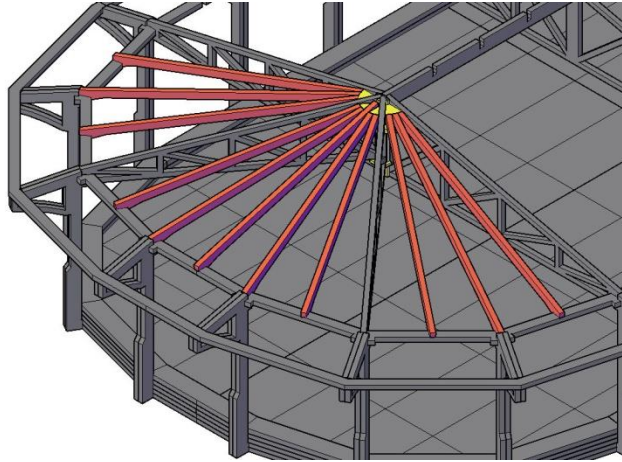




Next glue in the 2 number 1 rafters, these are glued into the sockets on the plastic parts and line up with number 1s on frame.



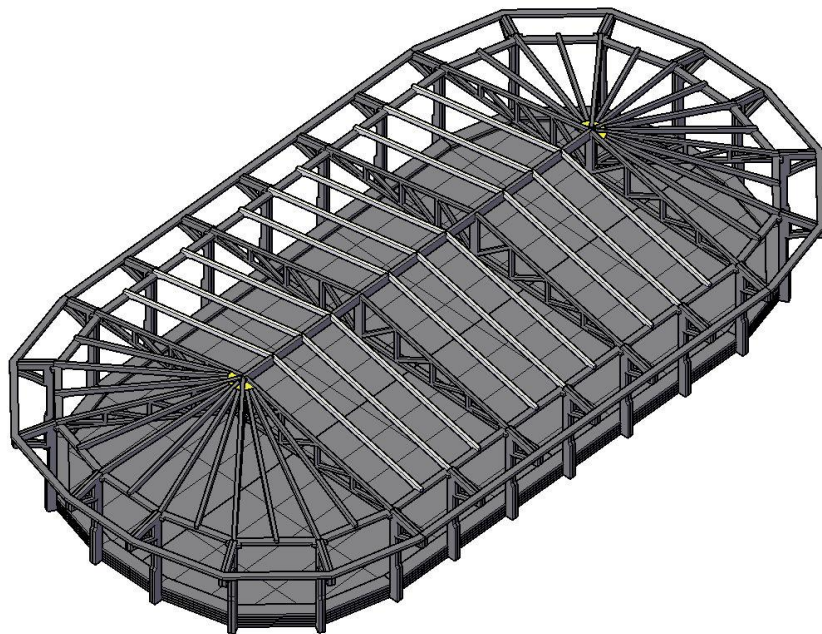
Once dry glue in the remaining numbered rafters around the ends matching to the numbers on the frame, glue is put on the ledge of the plastic piece and the rafters are just sat on the ledge next to each other.



Once in position, you can run some glue on the top of the plastic and between ends of rafters to help secure the rafters in the plastic.

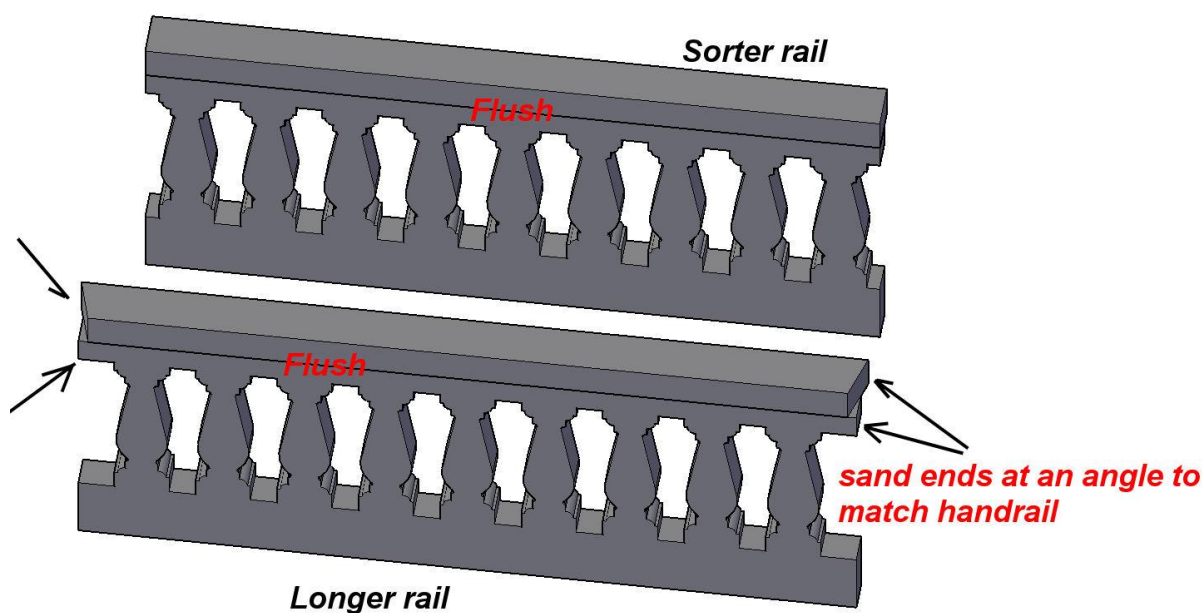
Now the rest of the rafters can be glued in along the length, these are marked with an m.

Locate and glue them into the notches but don't press down hard or you will snap them.

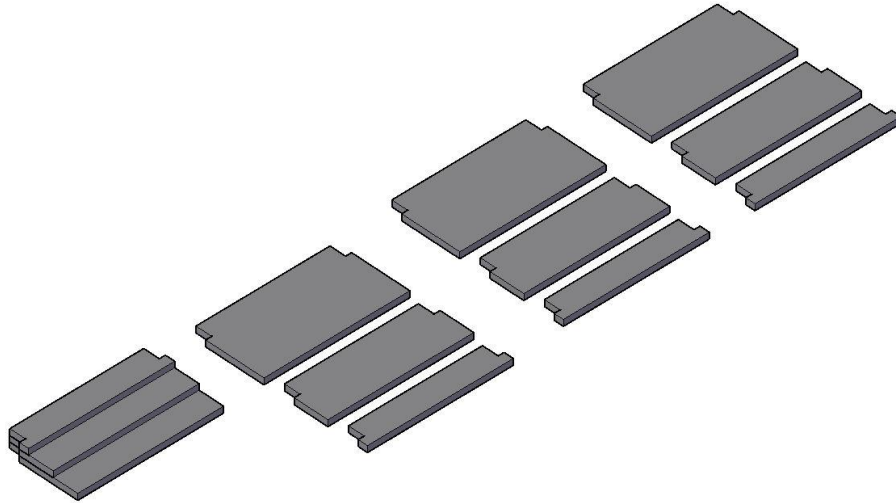


Locate the fences and handrails; there are 14 shorter fences and 12 longer ones. Glue the handrails on top of the fences flush with your chosen back or inside of your fence so they overhang on the front outside. Glue the 14 straight rails on the 14 short fences.

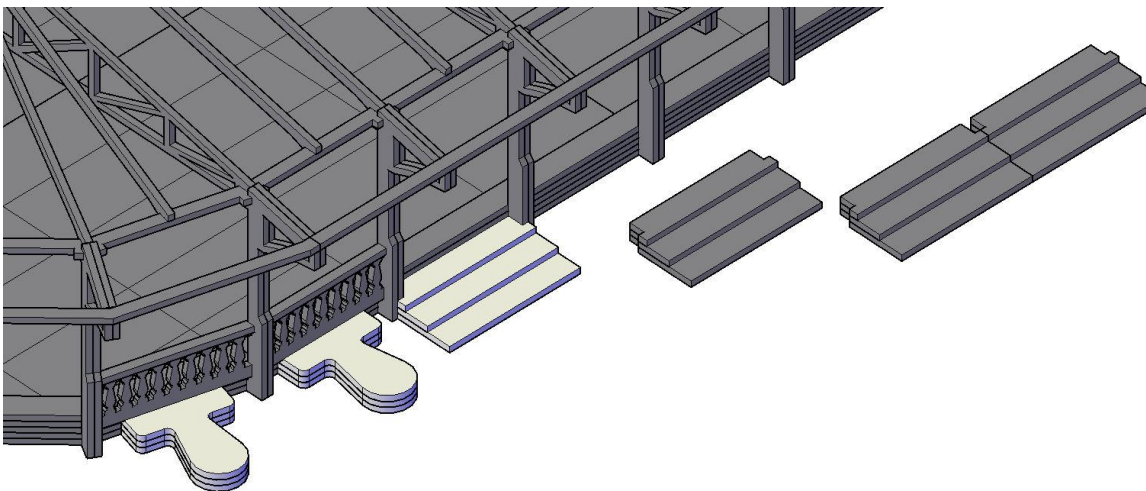
Glue the longer rails on the longer fences, again flush with the back and central on the fence. As these longer fences go around the curved track corners (3 each corner), they will need the ends sanding at an angle to match the handrail you have glued on. Sand until they fit between the posts correctly.



Steps are assembled as shown; there are 4 sets so you can place them where you need.

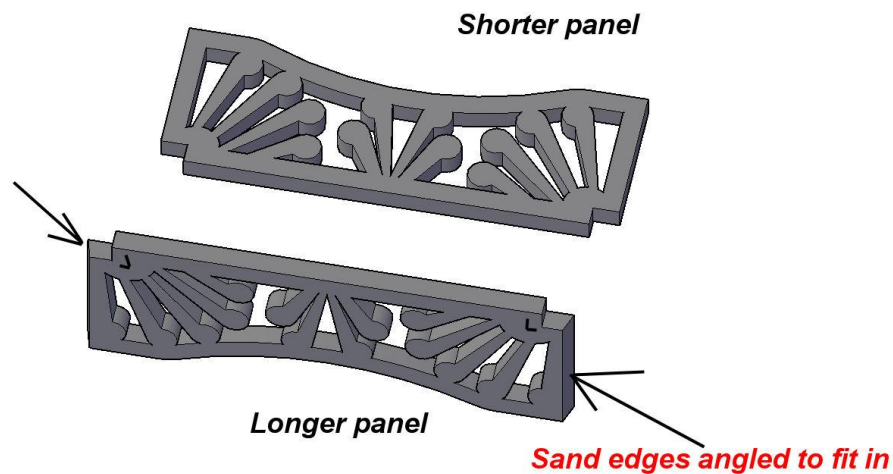


Glue the fences onto the outside of the buffer edge only, no need to glue onto the posts. You can glue together the 3 piece height gauge and use it under fences to position them at the correct height. Don't forget to leave the fence out on the end for the pay box

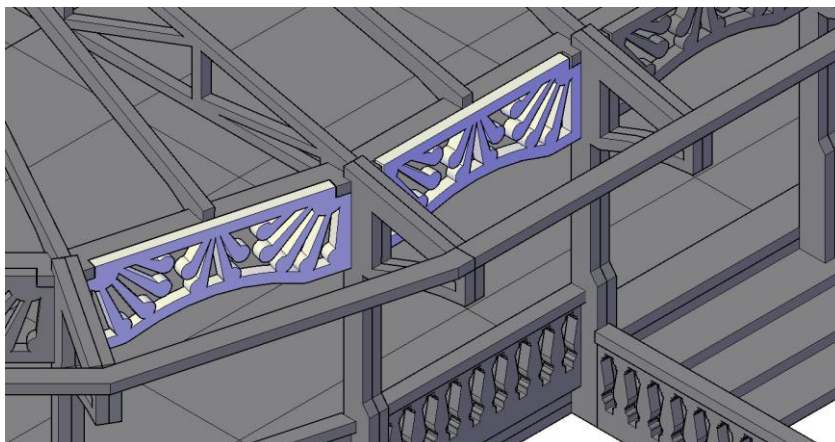


The upper decorative panels come in 2 sizes also, the shorter are glued above the shorter fences and the longer ones which have a small L on them are fitted over the longer fences. Again as the longer ones go around the curved corners of the platform so you will need to sand the edges at an angle to fit.

No need to glue to the posts, just the upper frame is OK.

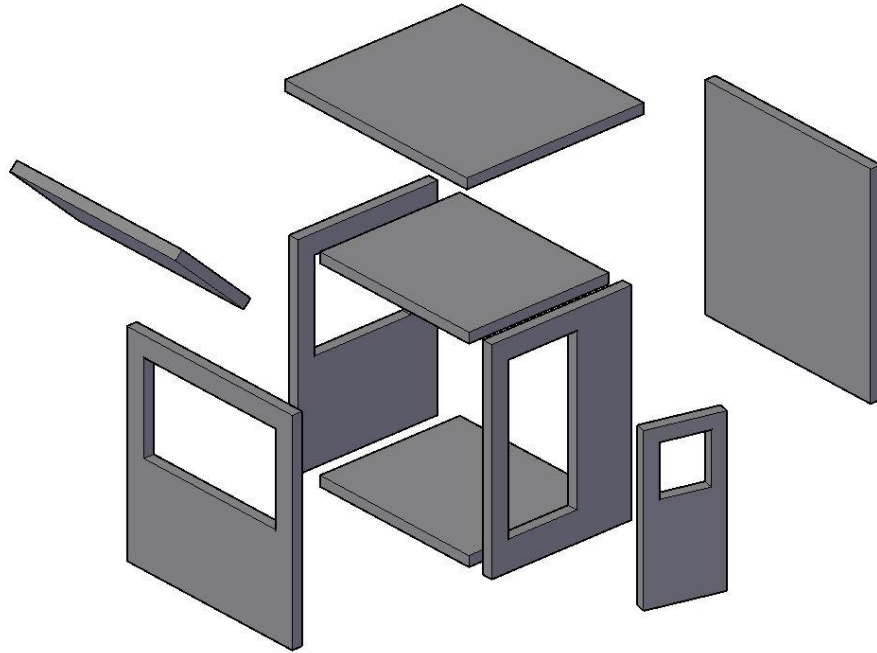


The panels fit in all the way around, fit against the frame between the notches.

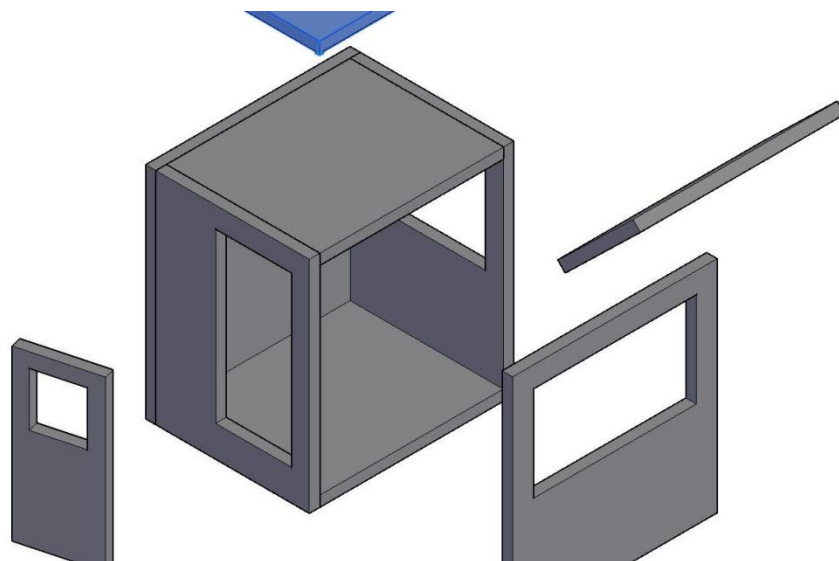


The pay box is assembled as follows

Exploded



Make a box first with the 2 sides, inner top and bottom panels
glued against the back panel

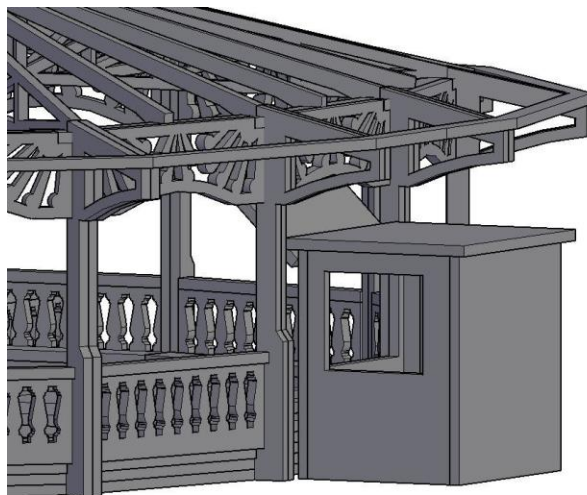
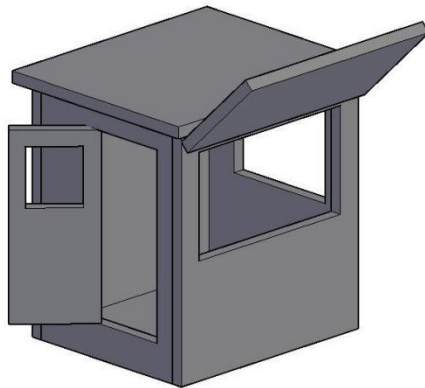


Then finish by adding other parts

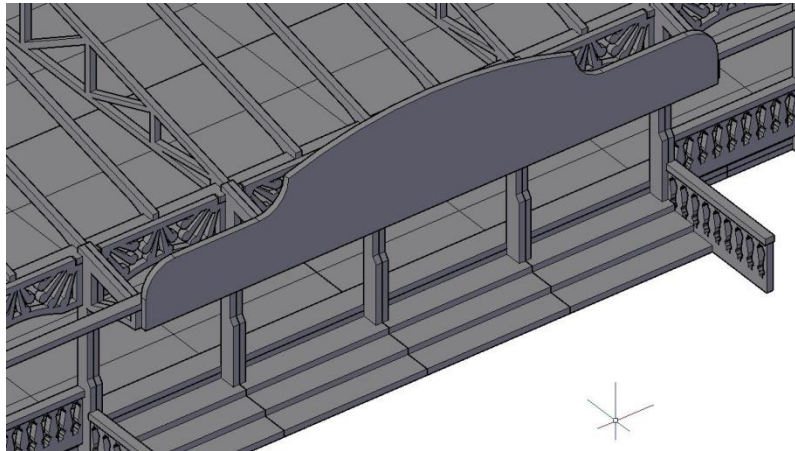
You may need to sand the edge of the flap to glue it onto the box, if the top roof is left overhanging you can glue to this also.

When assembling, place the door wall on whatever side of the pay box that suits you for your layout

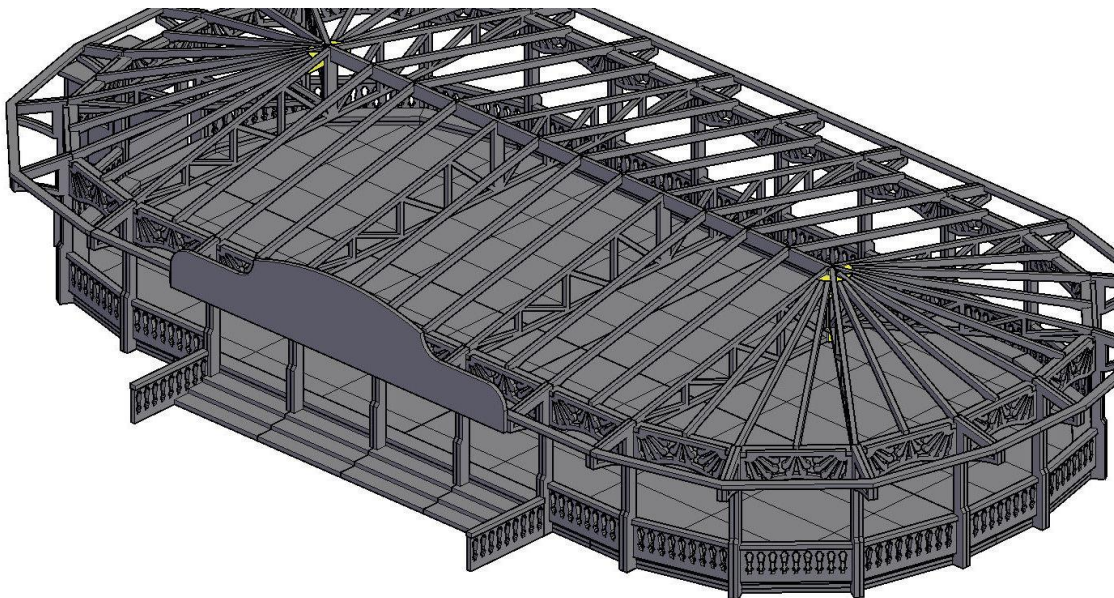
This one below is for the left side so you can see the door from the front of the model; the window flap just hooks under the upper decorative panel on the model.



There is an optional sign that can fit on the front if required,
many of the 50s – 60s did not have one fitted but some did so
your choice



The main model is now finished

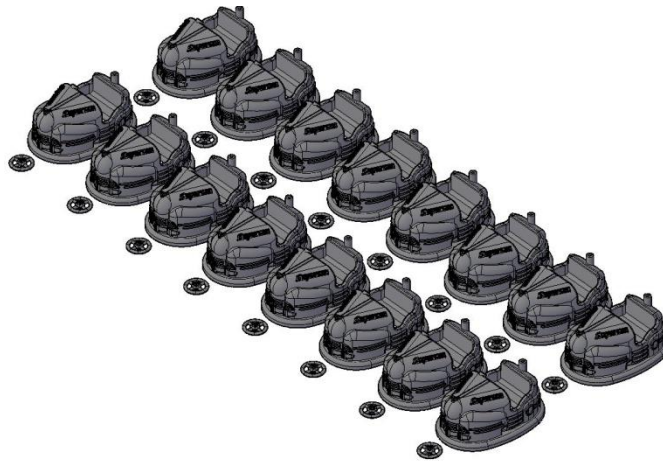


Cars

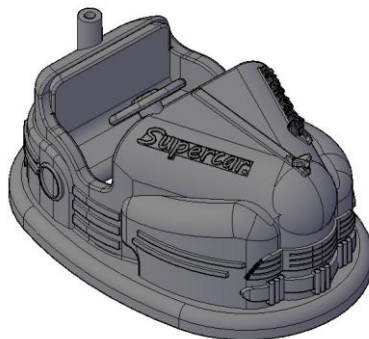
The model comes with 16 high detail cars, 3d printed on a high resolution 3d printer. The cars are the supercar type from the 1950s so are in keeping with the track.

You will need to supply and fit your own pickup poles – you can use straightened paper clips.

The car is flat bottomed so it is best if you glue a piece of card underneath which is smaller than the base, this lifts the car slightly and gives the impression that it is on wheels



the steering wheels are separate and will need gluing on



The free roof tarp

If you have downloaded the roof tarp pdf

Print all the parts using the settings 100% size, don't use fit to page. Printing in standard quality is usually sufficient.

Print the first page first and check the box is the right size with a ruler before printing the rest.

Cut all out and glue together in order as in A to A then B to B, C to C etc

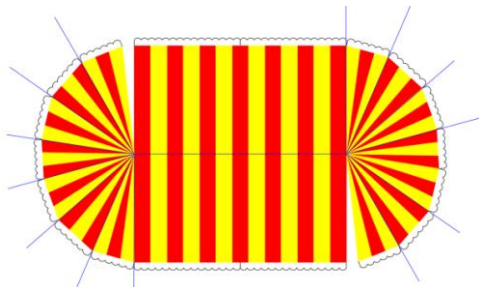
You can if you wish laminate the parts if required and tape together, use matt pouches

You can also once assembled spray with fixer and matt clear lacquer to give some extra strength

Once all parts are together crease the parts for bending with a blunt knife etc bend the paper then straighten it

Don't forget to crease all around the frill edges

Turn the tarp over and glue the remaining 2 joints.



See instructions with roof tarp pdf

Parts reference sheets follow

