

1:76 scale Brooklands speedway assembly instructions

Identify all parts prior to cutting out

Remove parts with a sharp snap off blade type knife and clean the left over tabs with sandpaper or file

Prime and paint parts before assembly and retouch when finished, it can be difficult to paint inner structures if assembled first.

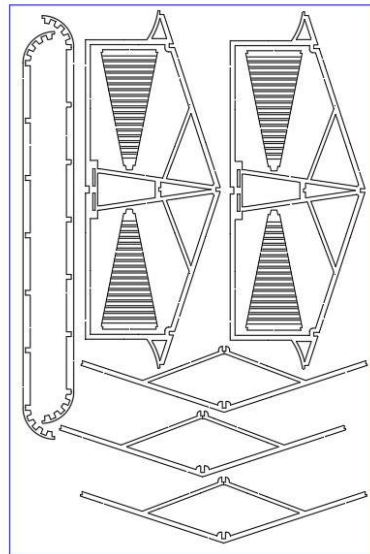
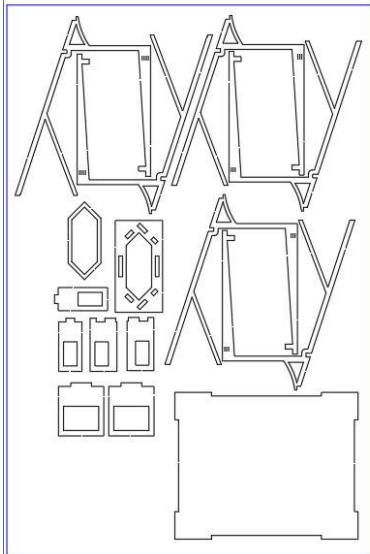
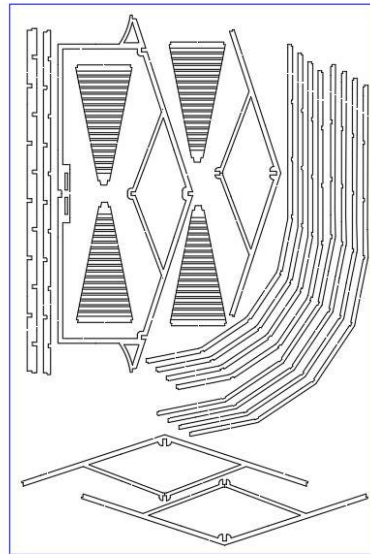
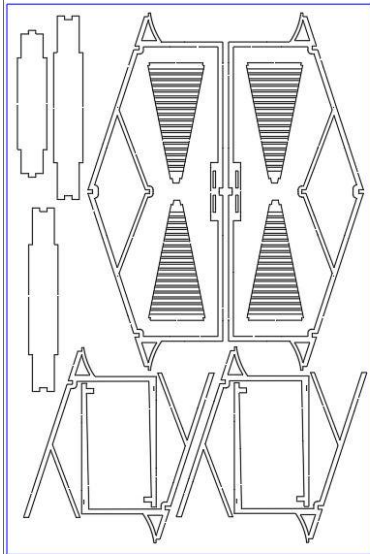
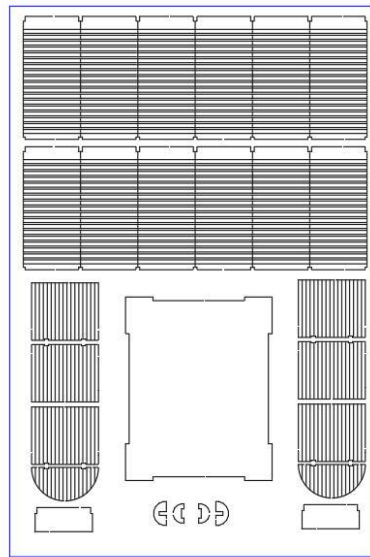
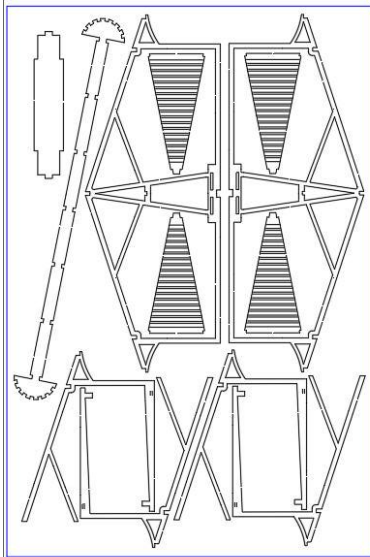
Some parts in this kit small or thin and can break easily so take care and time when removing from the sheets and working with them.

Finally there are a lot of 3D printed parts, these are printed with PLA plastic, this has a lower melting point so any sanding is best done with fine grit wet and dry paper frequently dipped in cold water to keep any heat generated low.

You can use your own combination of glues etc; I have used quick dry wood glue for all the MDF parts and superglue gel for the plastic to wood bits.

Gluing some of the plastic parts to the MDF model can be a little challenging due to the size and nature of 3D printed parts; it does get easier as you progress.

Below are the part sheets for reference



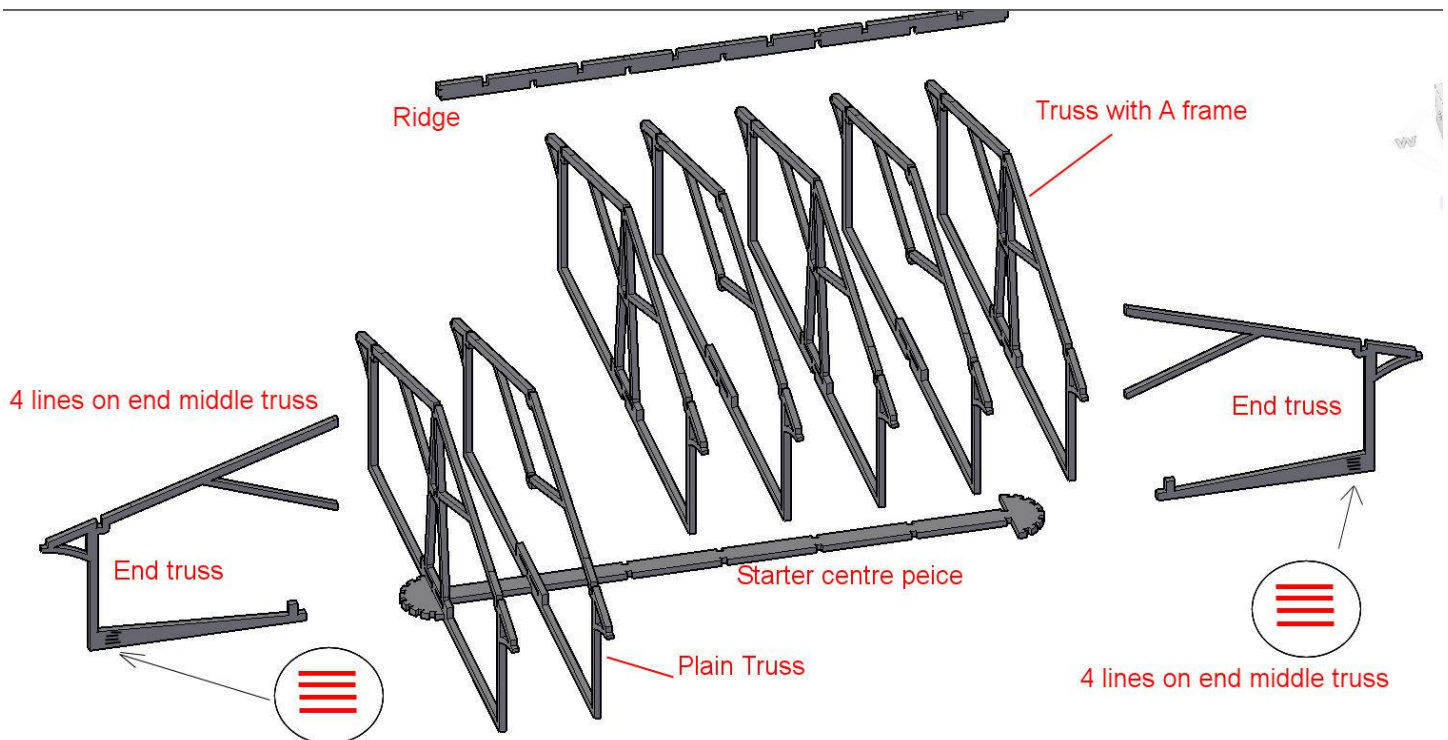
First locate the starter centre piece, the Ridge piece, the 2 centre end trusses with 4 line markings and the 7 main trusses

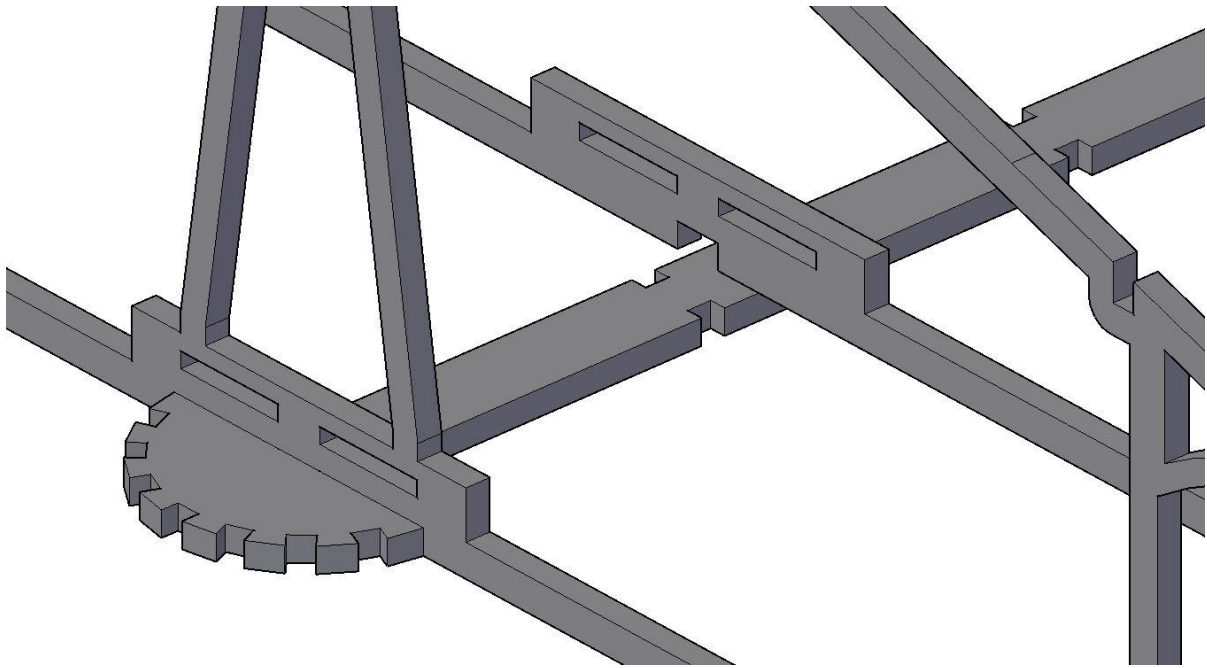
Lay the starter on a flat build surface, if you wish you can put some duct tape or similar under the ends to aid assembly of the end trusses (see photos)

First fit the 2 end trusses, these are the A frame ones, then alternately fill in between with one plain truss then 1 A frame truss

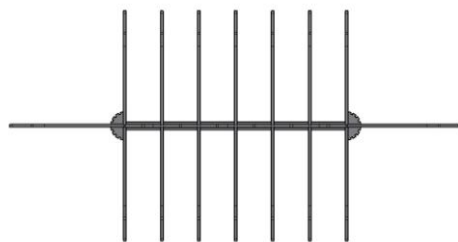
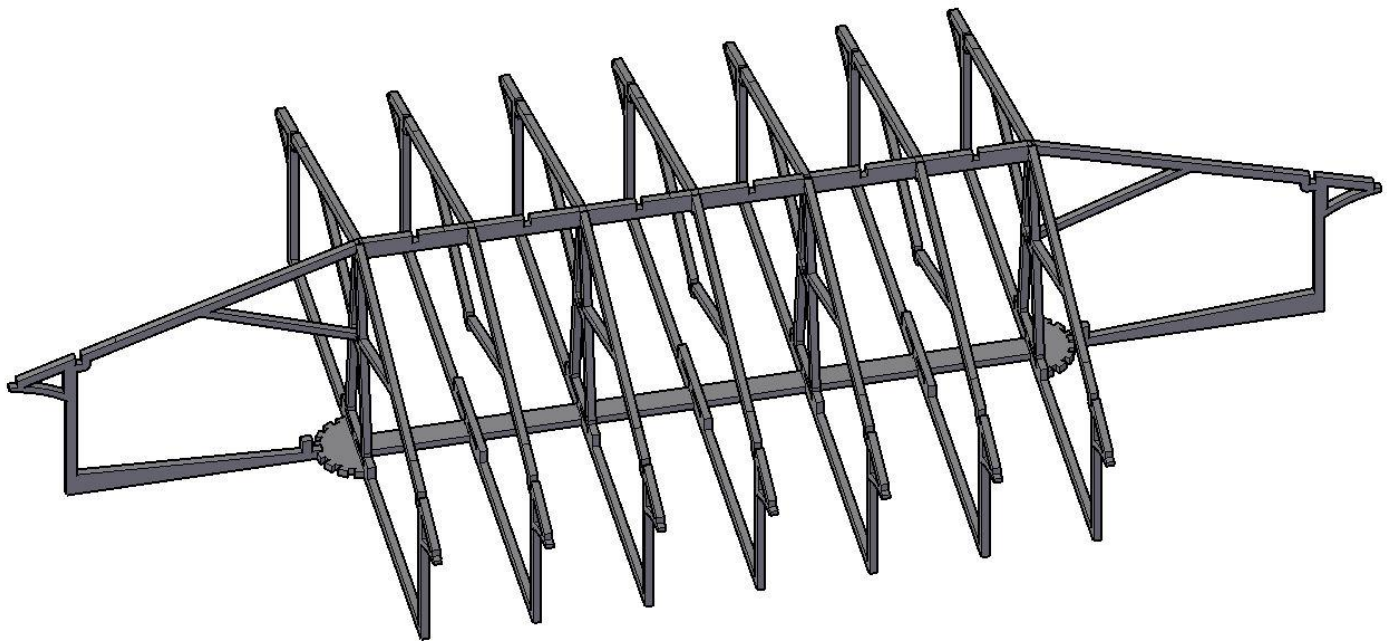
Fit the ridge on top to hold these together, this is the thicker of the 2 longer pieces.

Now glue the 2 centre end trusses (4Lines) in the starter ends and against the ridge ends, make sure all remains straight and inline while the glue sets



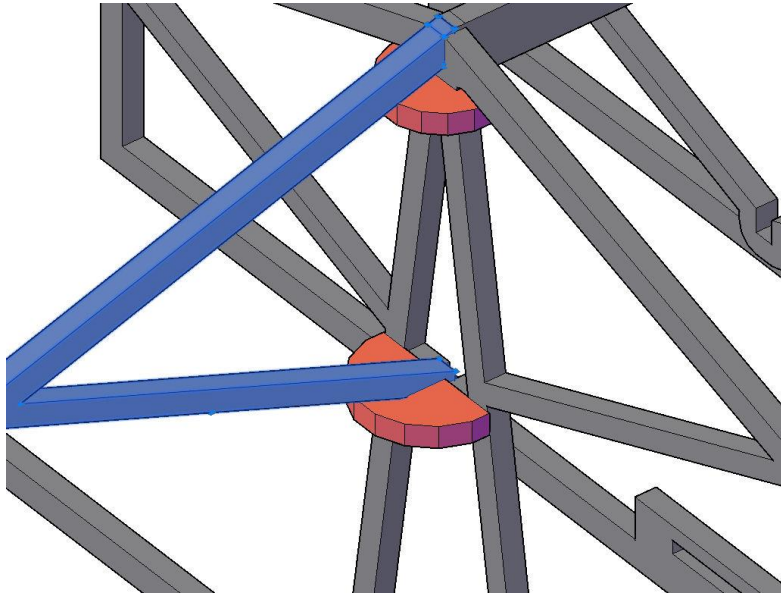


Once complete it should look like this



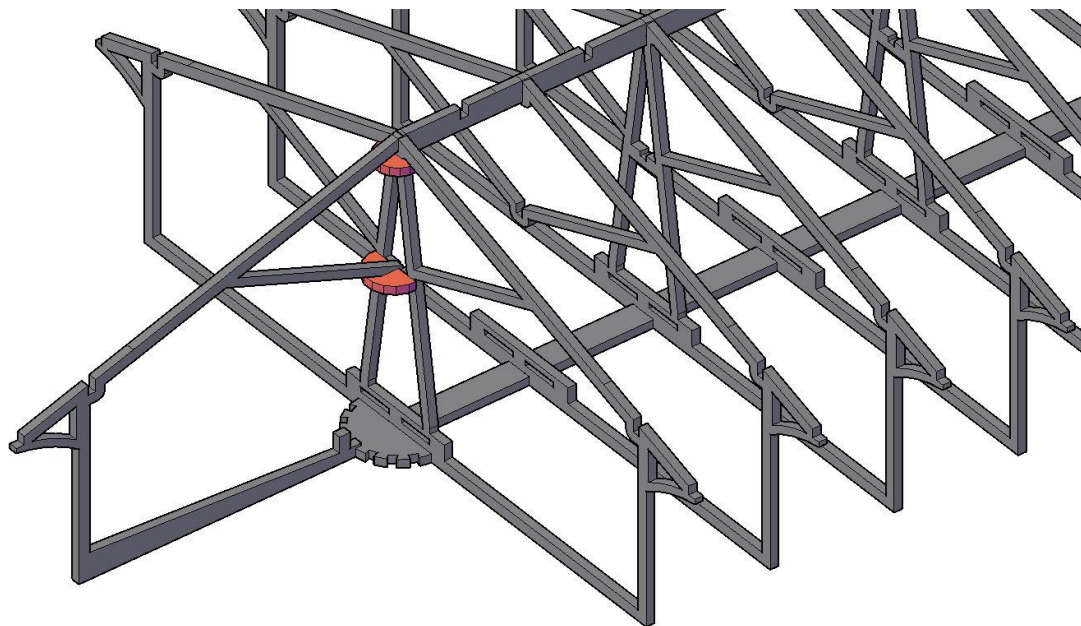
Top view

Next the 4 end rafter support pieces need to be glued to the end A frame trusses

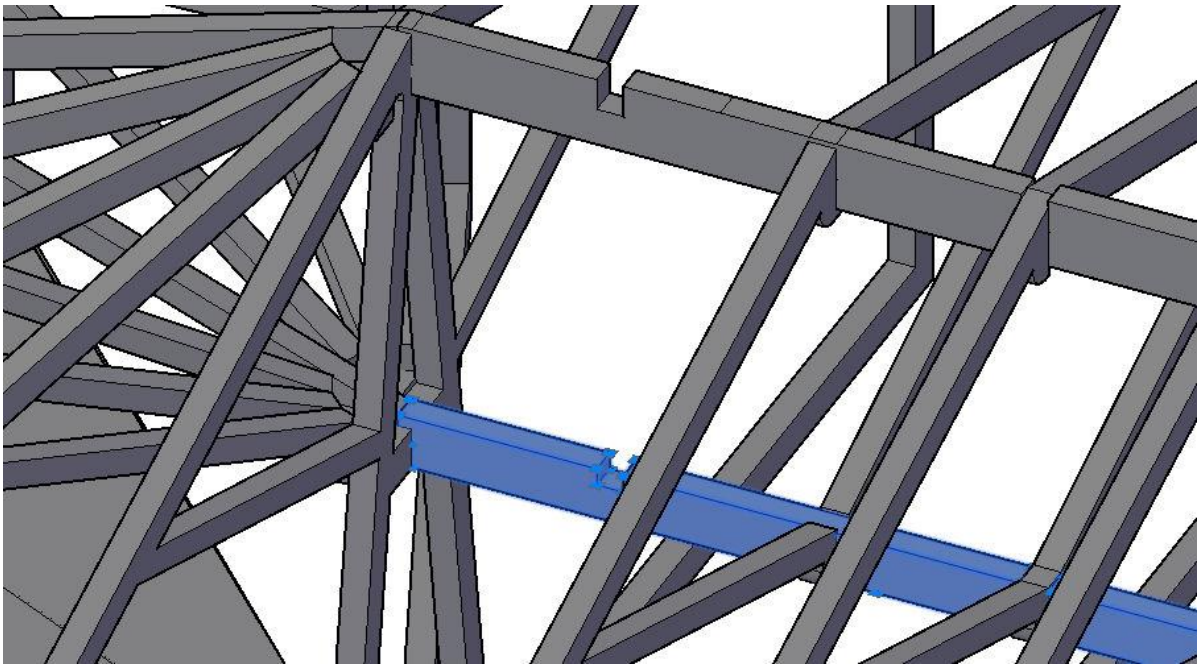
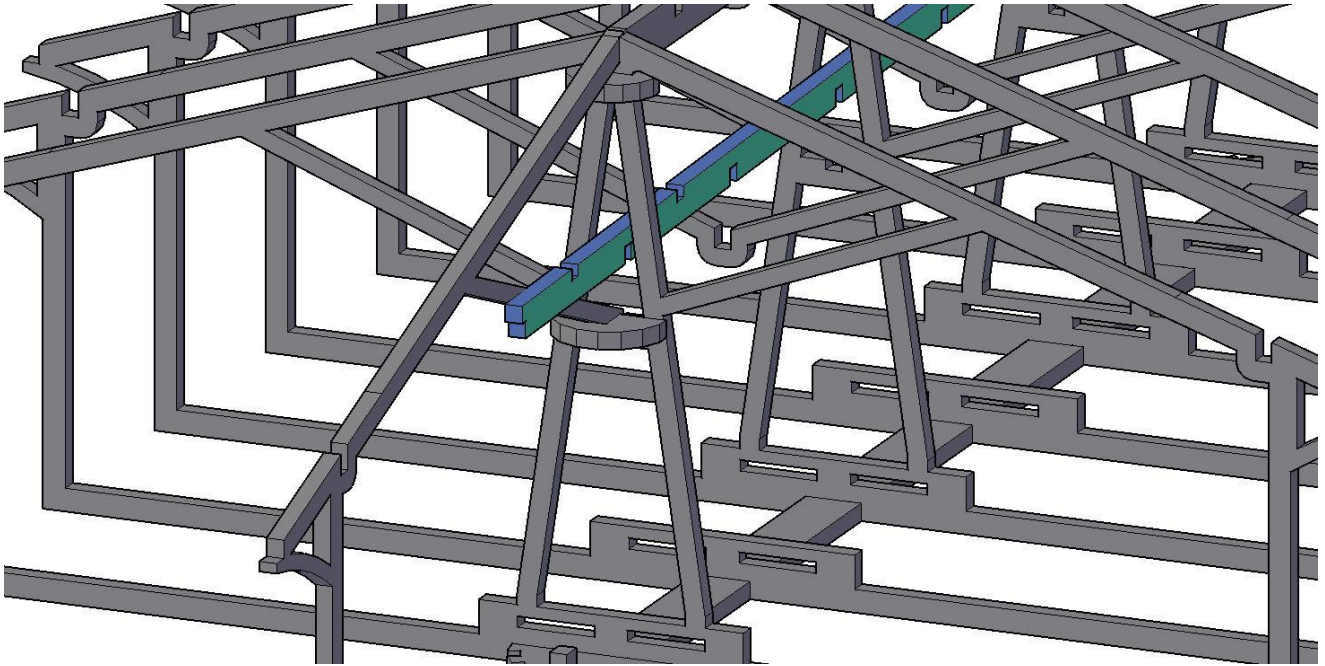


Glue the top support on the A section so it touches the end truss underneath, red and blue above.

Glue the bigger support as the picture so it is over the end truss and against the A frame.



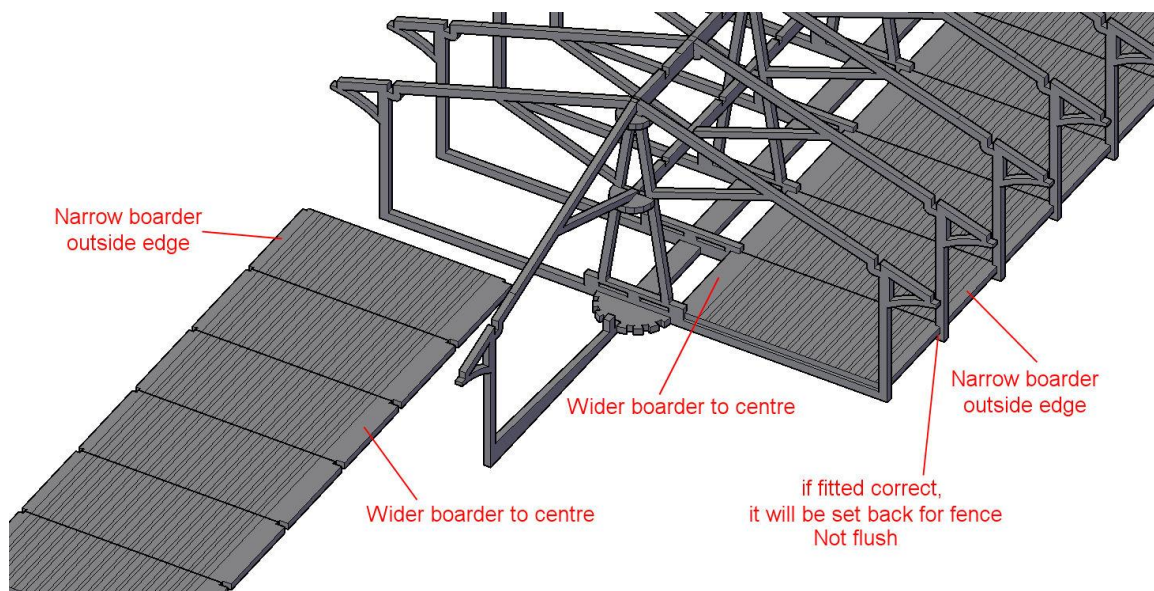
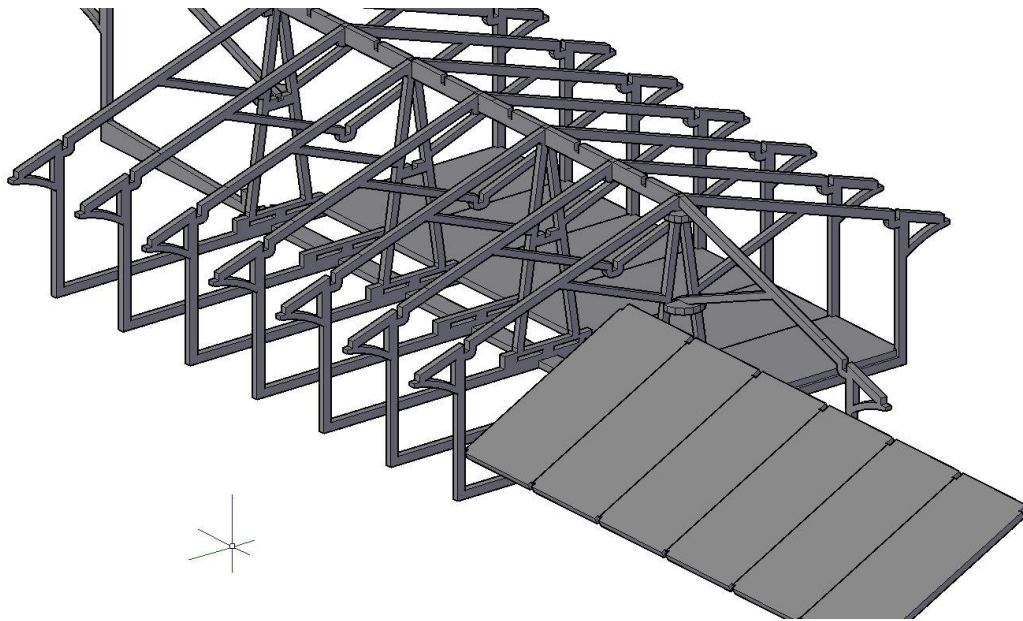
Glue in the centre truss support beam (The thinner of the 2 longer pieces), you will need to feed this in one end so it goes through all the A frame centres



Glue in the long floor sections, it is important to triple check to make sure these are glued the correct way around as this is very hard to get out once glued and results in damage to other parts.(Future design changes may help with this)

Check that the widest band (Boarder) on the floor section is at the centre, not the outside. Check the floor section is not flush with the outer edge of the upright posts but are set in slightly to accommodate the fences.

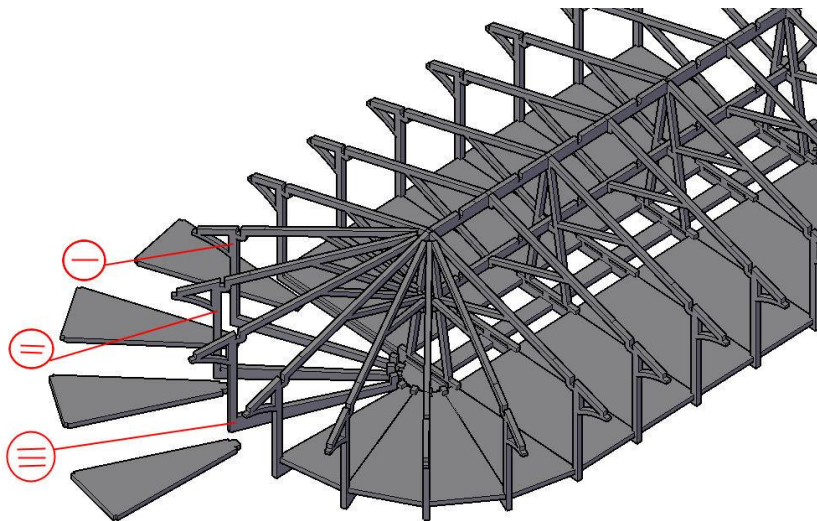
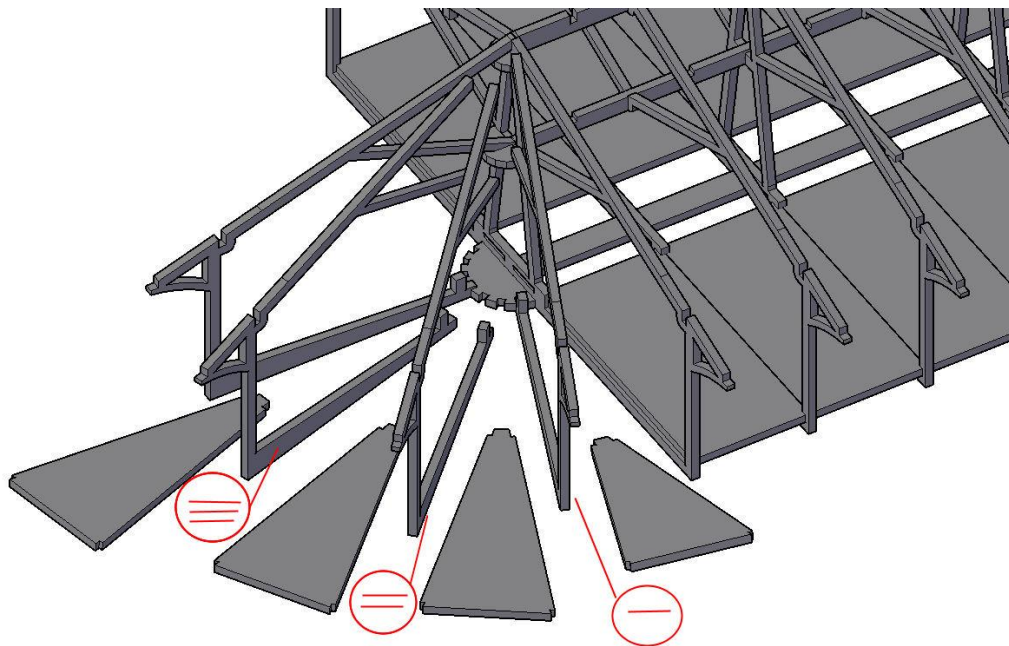
Check against one of the triangle floor sections to make sure all the lines meet correctly. You will need to angle these to get them in.

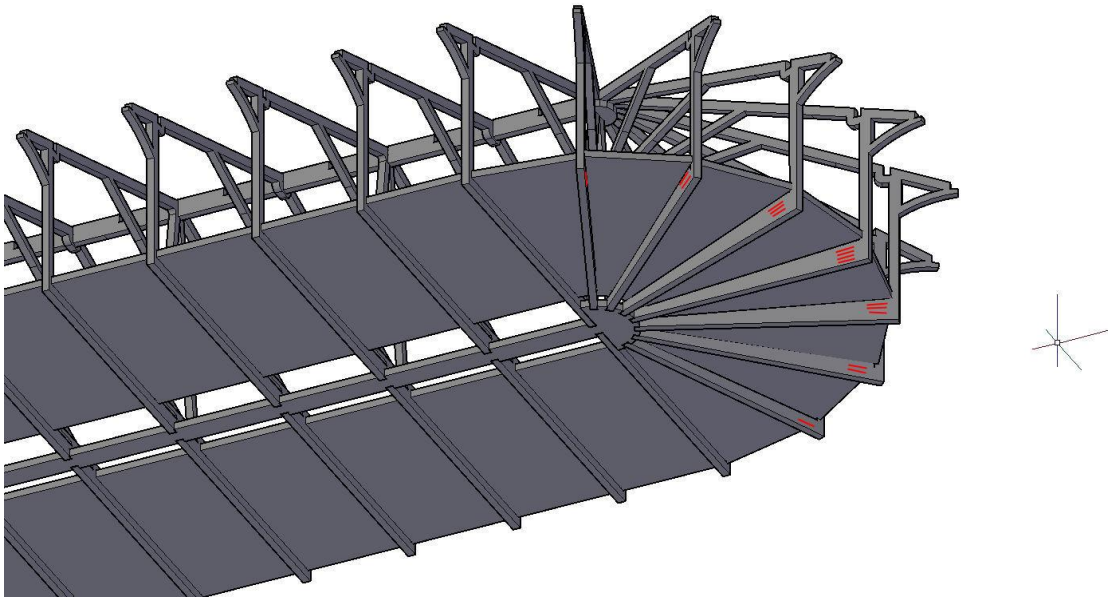


Next fit the end trusses and floor sections, from the straight floor edge fit the first end strut with 1 line and a floor section, fit the next strut with 2 lines and a floor section then the same with the 3 lines strut. Fit the floor section from 3 to the 4 line strut previously fitted. Repeat this on other 3 sections to complete floor

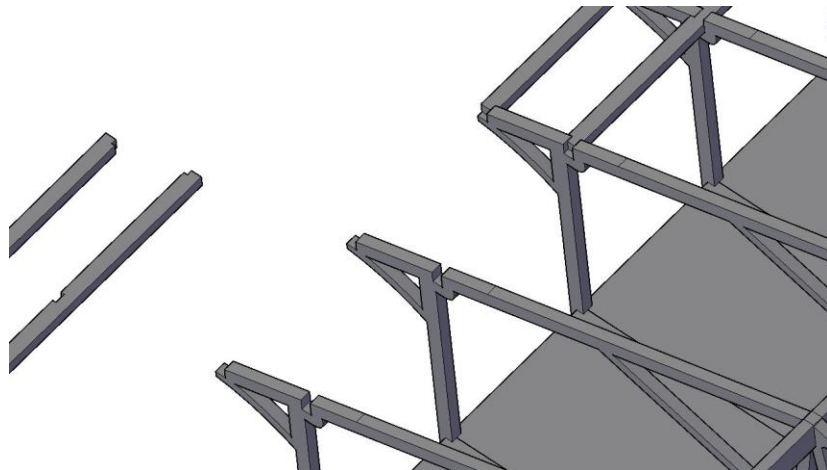
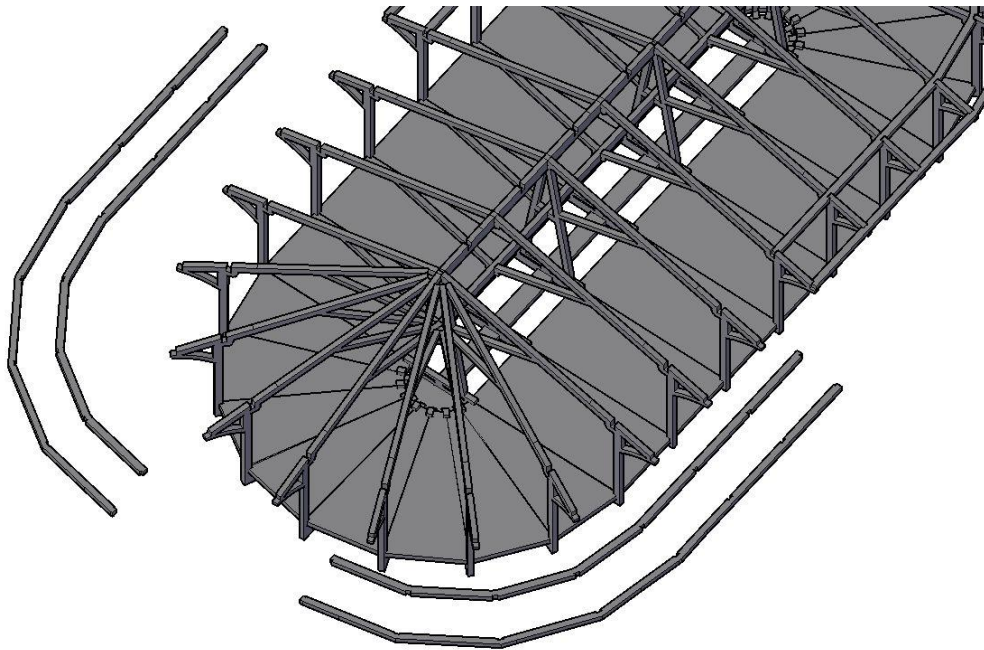
These can be fiddly and fall apart while assembling so use tape, blue tack or whatever to hold things temporary as you go

Each truss is glued into the bottom starter and on top of the 2 supports, more glue can be added to the support area when all trusses are fitted.

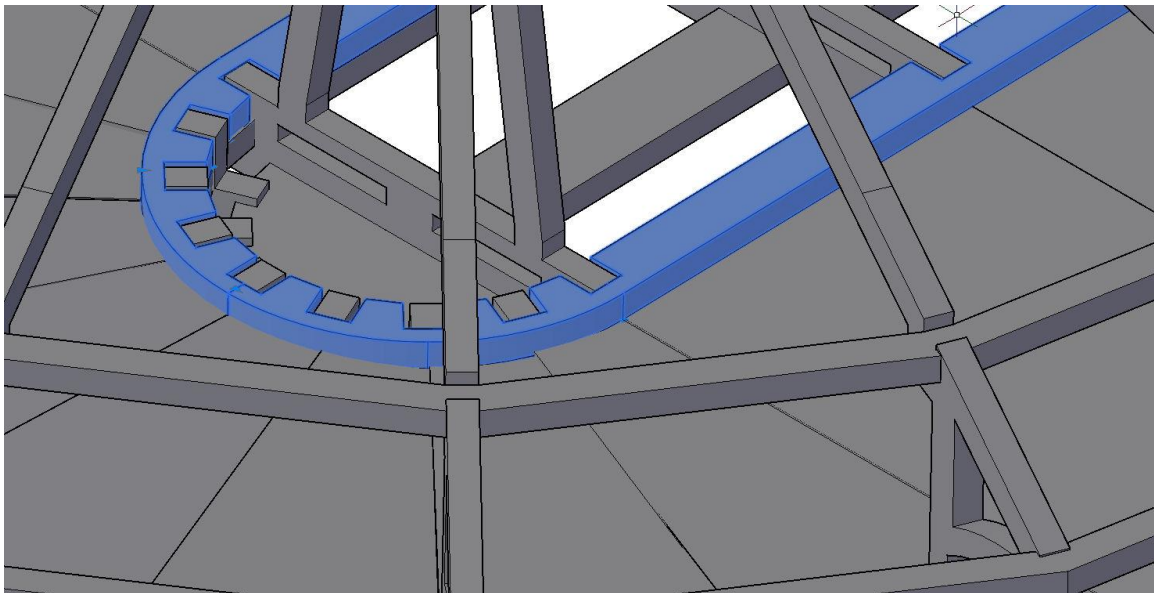
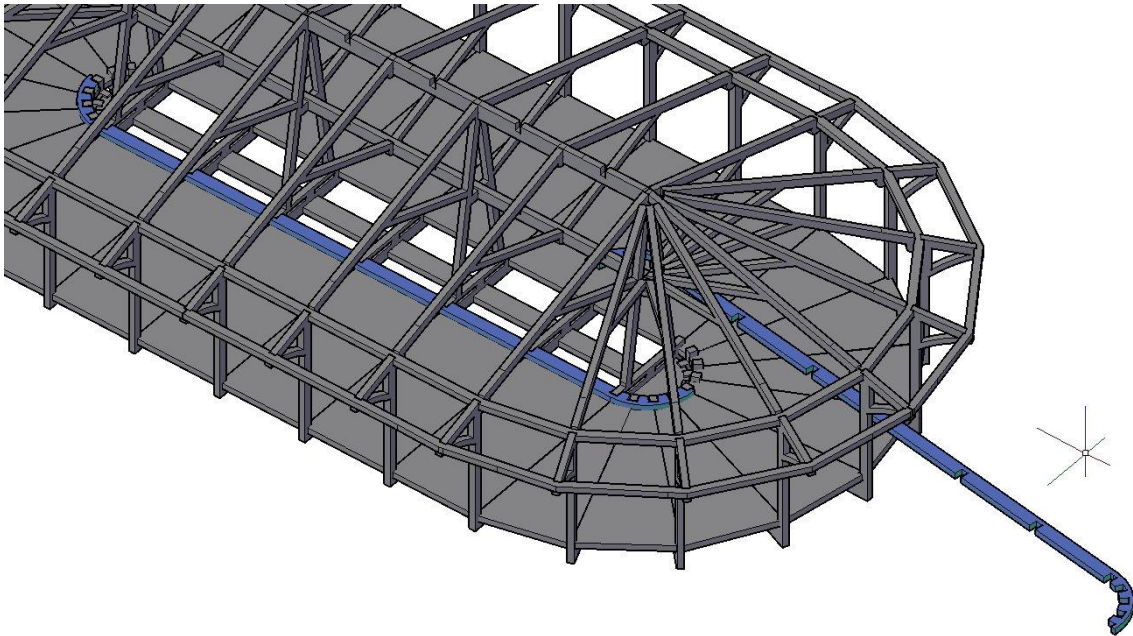




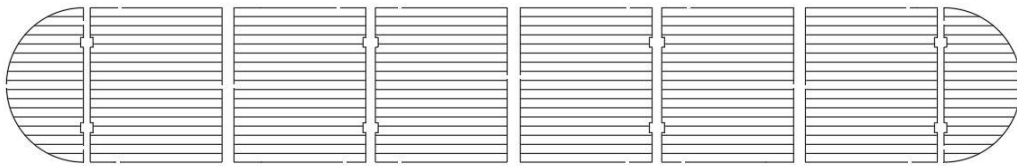
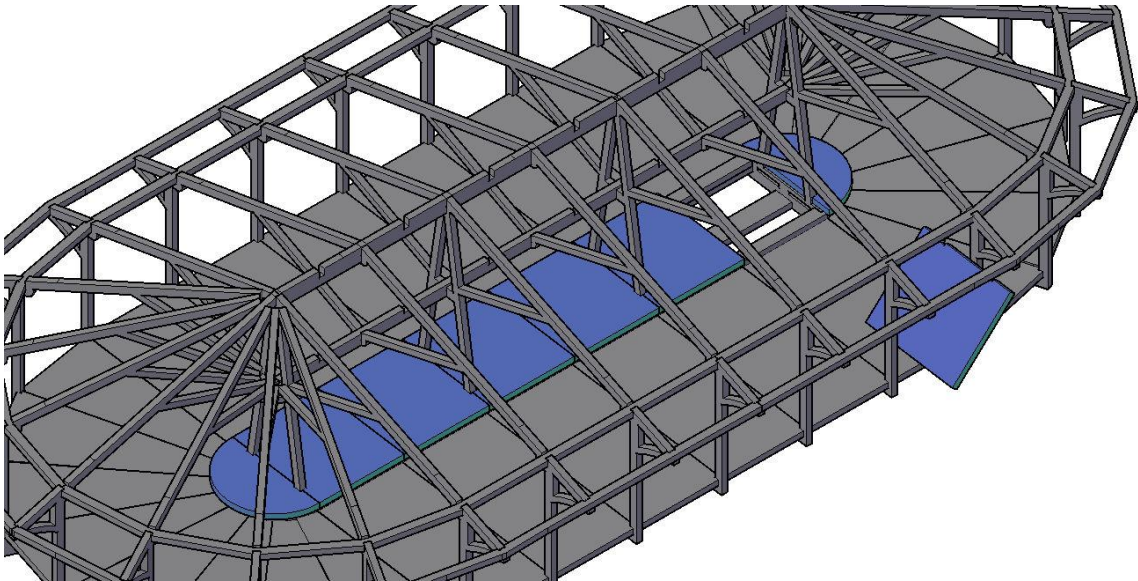
Next fit the 4 inner and 4 outer post spacer pieces



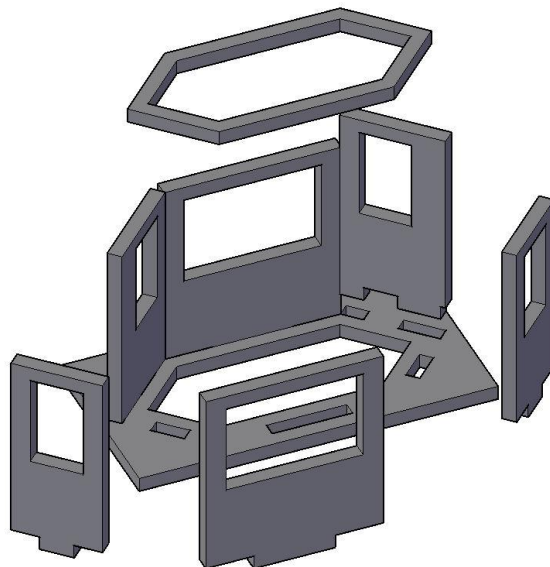
Glue on the 2 centre floor support pieces, you will need to again feed these in from 1 end.

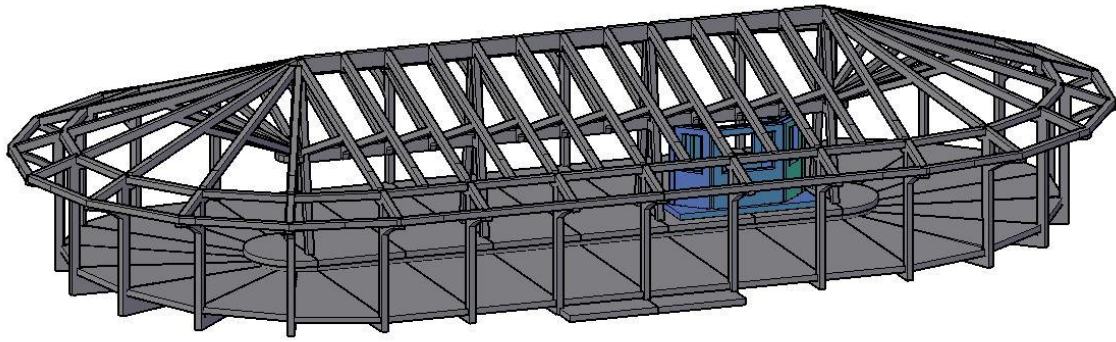


Next fit the centre floor sections, dry fit these first and sand if needed to fit before gluing in, notches fit around the A frames.

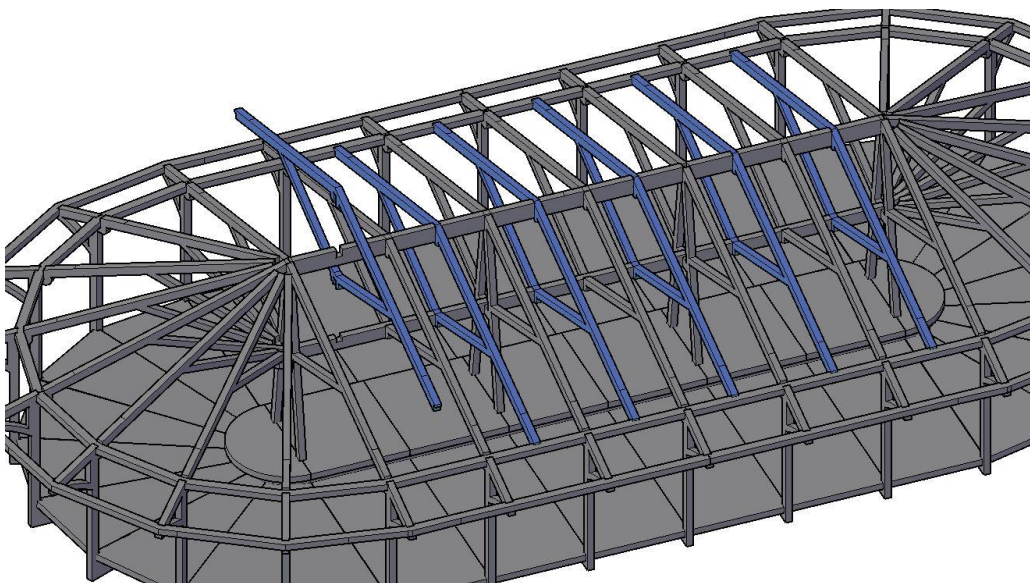
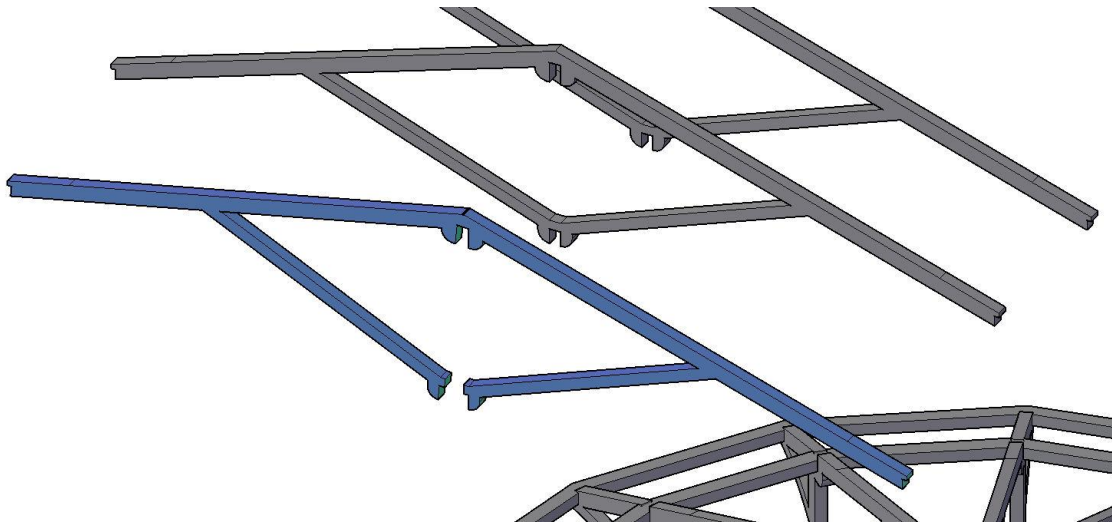


At this point it may be an idea to build the pay box, once built slide it in to make sure it fits on the centre floor and goes under the centre beam, you may need to file a slight bit off the top as it is close.

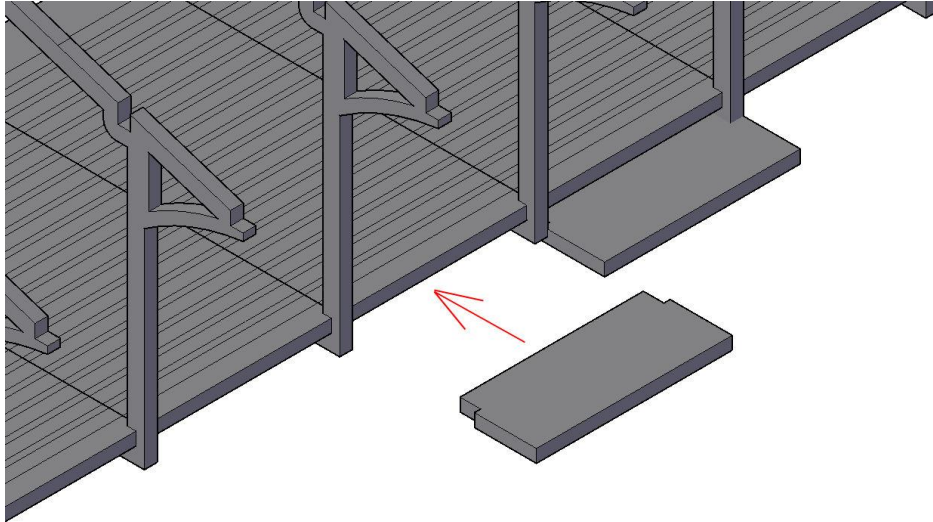




Now the 6 smaller trusses can be fitted between the main trusses, gently pull the bottom of the truss apart to get it around the top ridge piece, glue the truss on both centre beams and central on the inner post spacer



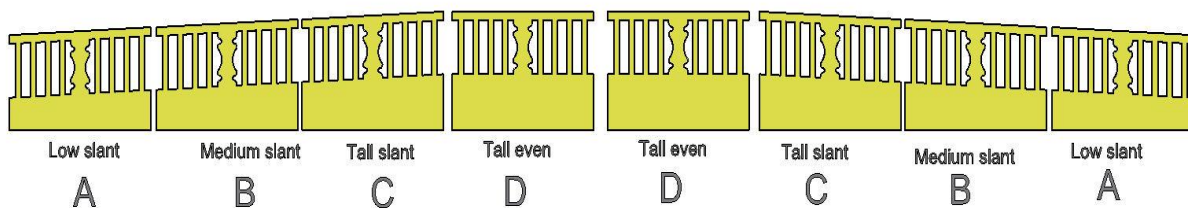
Choose where the steps are going and glue these flat down between the posts



The upper decorative arched panels and fences can now be glued in place.

The arches are all the same but you may need to sand some of them to fit in between the posts, especially going around the ends.

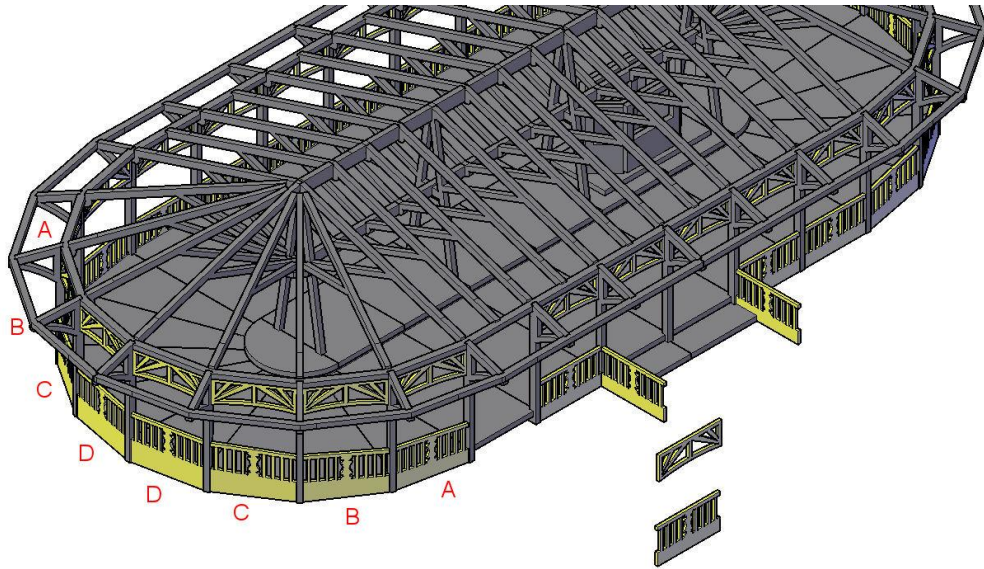
The fences will need to be sorted out first, locate and place them in order like the diagram there should be a set like below for each end



The upper arched panels are better fitted with the model upside down on support,

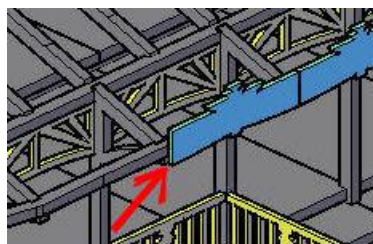
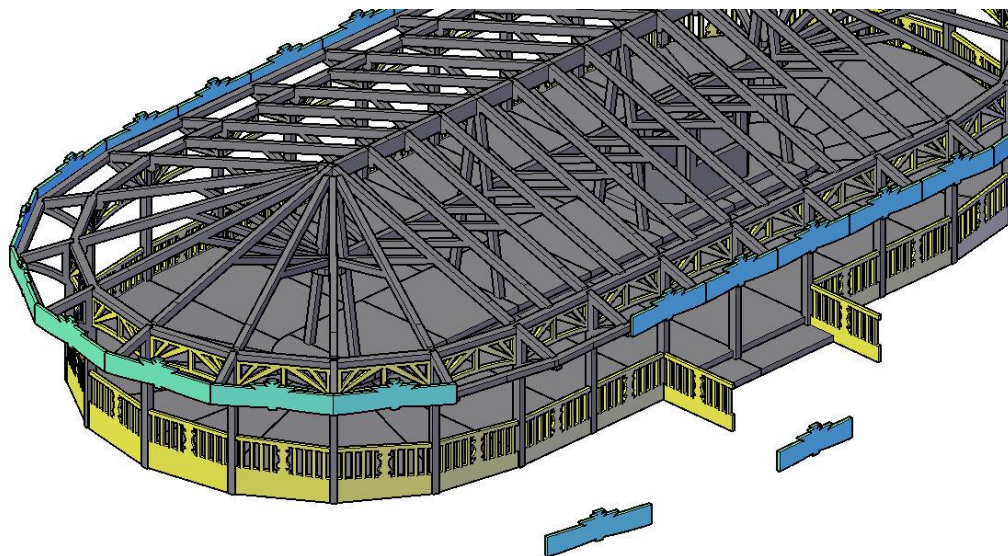
These are just glued to the top inner post spacer – flush with the front.

The fences are just glued to the edges of the floor sections in the below order

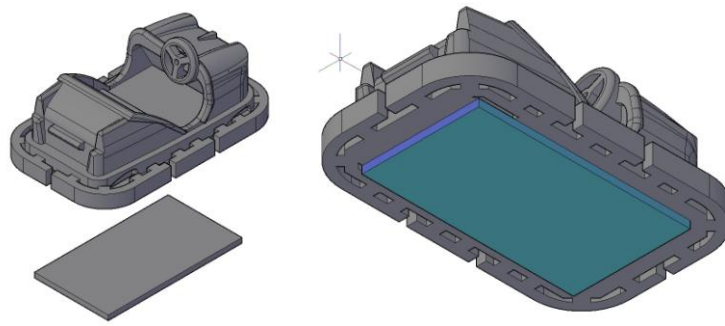


Once all is dry the rounding boards can be fitted, using a file or sanding block carefully sand any of the ends of the posts that are protruding so they are flush with the outer post spacer(see photos). This is just to give a flat surface for the boards to sit against

Glue the rounding boards high on the spacer so the bottom just covers the ends of the posts



If you want to raise the cars slightly to give a better impression of wheels underneath then glue a piece of suitable card to the underside



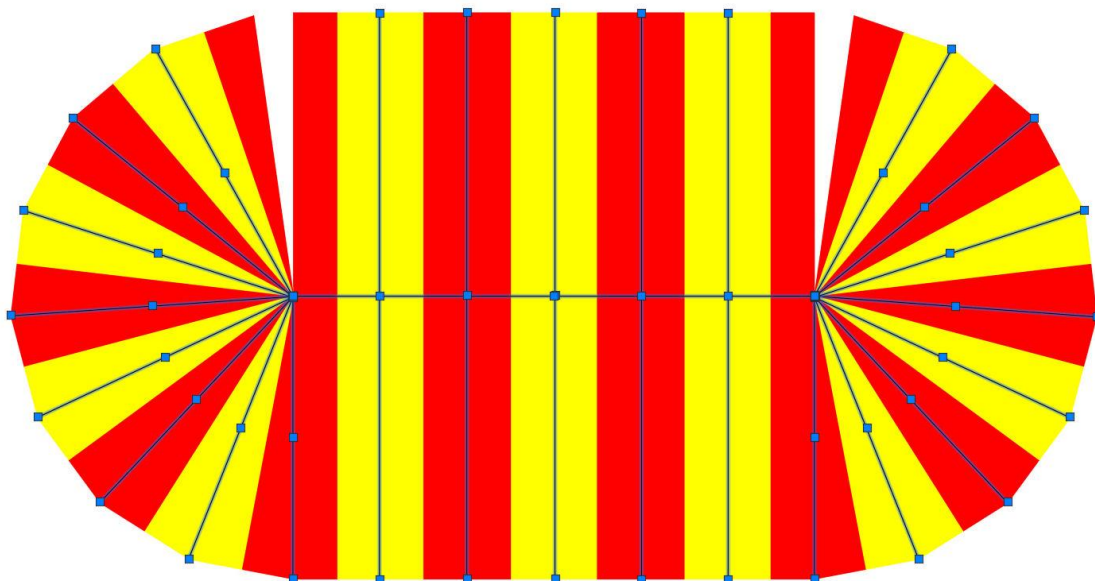
The pay box should fit through the entrance but you will need to move it around once inside with tweezers or long nose pliers etc, glue this to the centre floor.

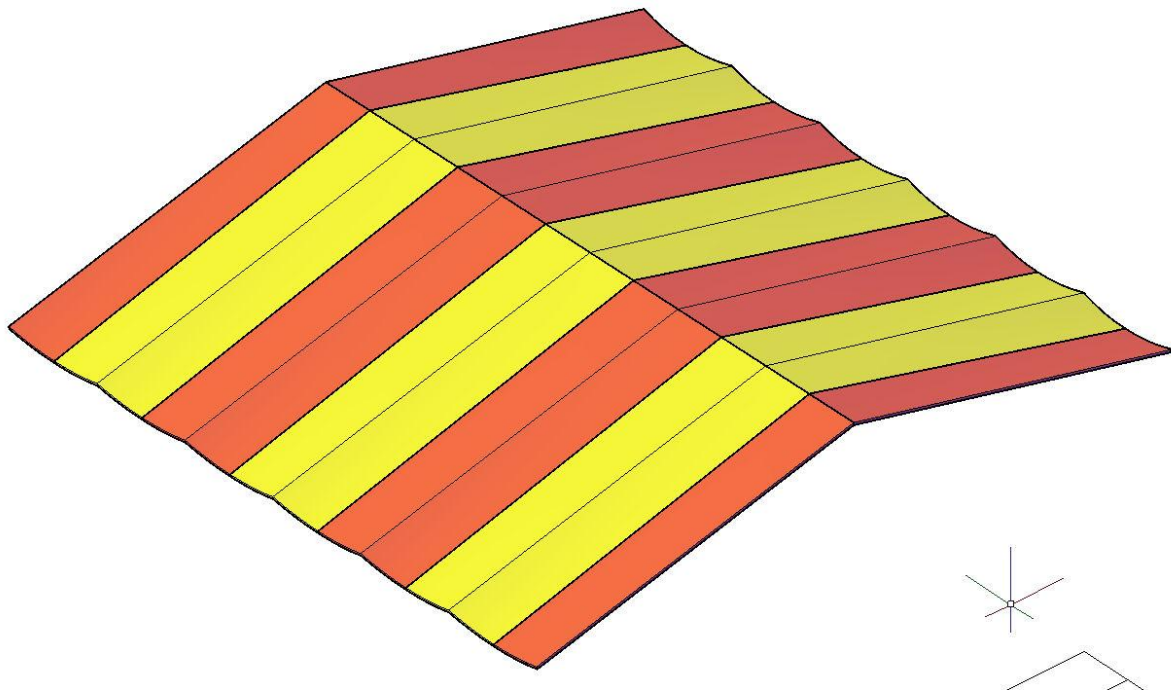
If you have downloaded the roof and decal file then print these out at 100% scale and don't select fit to paper etc

If you wish you can laminate these for durability or just leave as paper or spray with sealer etc.

Cut out the roof leaving small white edges for glue where needed.

Score the roof sections with a blunt implement, fold over then back to form creases see diagrams – crease as in diagram on blue lines not where yellow meets red as you would think.





Tape or glue roof together once sections have been creased, glue last 2 seams when it is sat on the model for support



Check the site www.lobokit.co.uk to see if there are any building aid photos