

ASSEMBLY INSTRUCTIONS

RTS 3P20 MODERN FOUR BAY PIT BUILDING WITH DECK

CONGRATULATIONS

Congratulations in choosing a unique product to enhance your slot car track diorama. This can truly be described as a product born from a love for slot cars. Buying this product have made you a member of a very special family, yes you are not dealing with a faceless business, but rather a family of slot car fanatics.

We put hours of skill and more importantly love into our product and it is wonderful to share our love for slot cars with you. May you enjoy the build and have years of joy having it as part of your trackside diorama.

This structure is not a replica of a specific pit building, but it strives to capture the ambiance of pit buildings with a viewing deck that are found around the raceway tracksidelines of all times. We believe that this building will enhance any trackside diorama and bring some character to the layout. This structure may contribute towards making your pit lane the focal point of your diorama.

WARRANTY

This product is covered by a comprehensive money-back warranty to ensure your absolute satisfaction with your purchase.

WHO ARE WE?

This product is brought to you by racetrackscenics.com. If you have not done so already, please visit our website today. You are also most welcome to visit the Facebook pages “**Race Track Scenics Slot Car Scenery**” and “**Johan Malan**” to keep up to date with the latest developments and the launching of exciting new products that may be in the pipeline.

You can contact Kevin Sharpe on
Email: racetrackscenics@gmail.com
Text in the USA 586 549 2879
WhatsApp 1-586-549-2879

for any assistance that you might require. Your feedback and a photo or two of your trackside addition will really be appreciated. We love to share in your joy!

WHAT IS IN THE KIT?

In this kit you will find all the laser cut pieces needed to assemble this product. The pieces are still intact in the sheets as they were cut to ensure that all the parts are there. Some of the loose bits inside pieces may have been removed, but they are not part of the finished product. In the section “FAMILIARIZE YOURSELF” below, you will find diagram(s) that identify and explain each piece (component) that you are about to assemble. In the section “PREPARING THE CUT PIECES” below, you will learn how to proceed to prepare the pieces for assembly.

In the kit you will also find some optional pre-cut artwork printed on matt photo paper. This can be used to brand your finished product.

WHAT YOU WILL NEED

We have specifically designed this product so that it is easy to assemble with only a few basic tools. You will need the following:

- a screwdriver
- a sharp hobby knife
- some glue
- a few toothpicks
- a few earbuds can be handy
- a paintbrush or sponge roller and paint or a rattle can or two with spray paint.

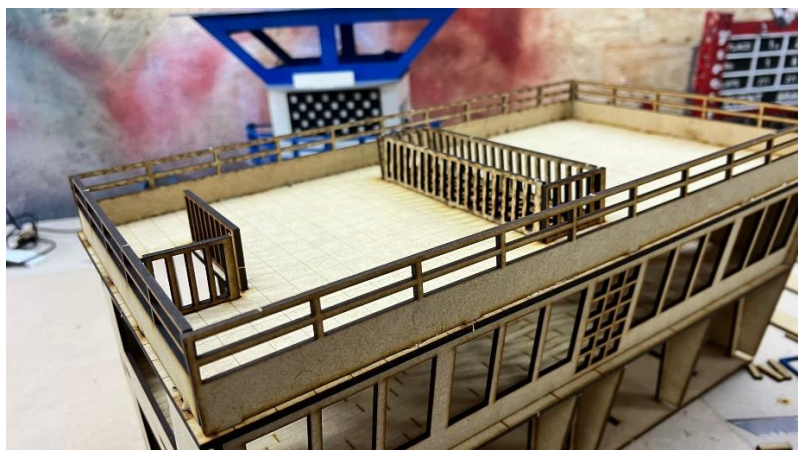
There are really two schools of thought as to the right glue to use. Some people prefer a rapid setting glue like most gel super glues, while others prefer a slower setting glue like ordinary cold wood glue. Sometimes more than one part must be assembled almost simultaneously and then a forgiving glue makes life a bit easier. Other times you may want a quick fit and then the rapid setting glue is the obvious choice. Our advice is to see what works best for you, there are no right or wrong, both types will produce a sturdy structure.

You will only need a small amount of glue and remember to look for the surfaces that will be in contact in the end and do not only apply glue to the lugs and sleeves. The latter restrict movement in one plane, but the glue fix it in the perpendicular plane. Using a toothpick is a handy way to apply glue and an earbud can be used to dab away any excess of glue (especially if you use wood glue).

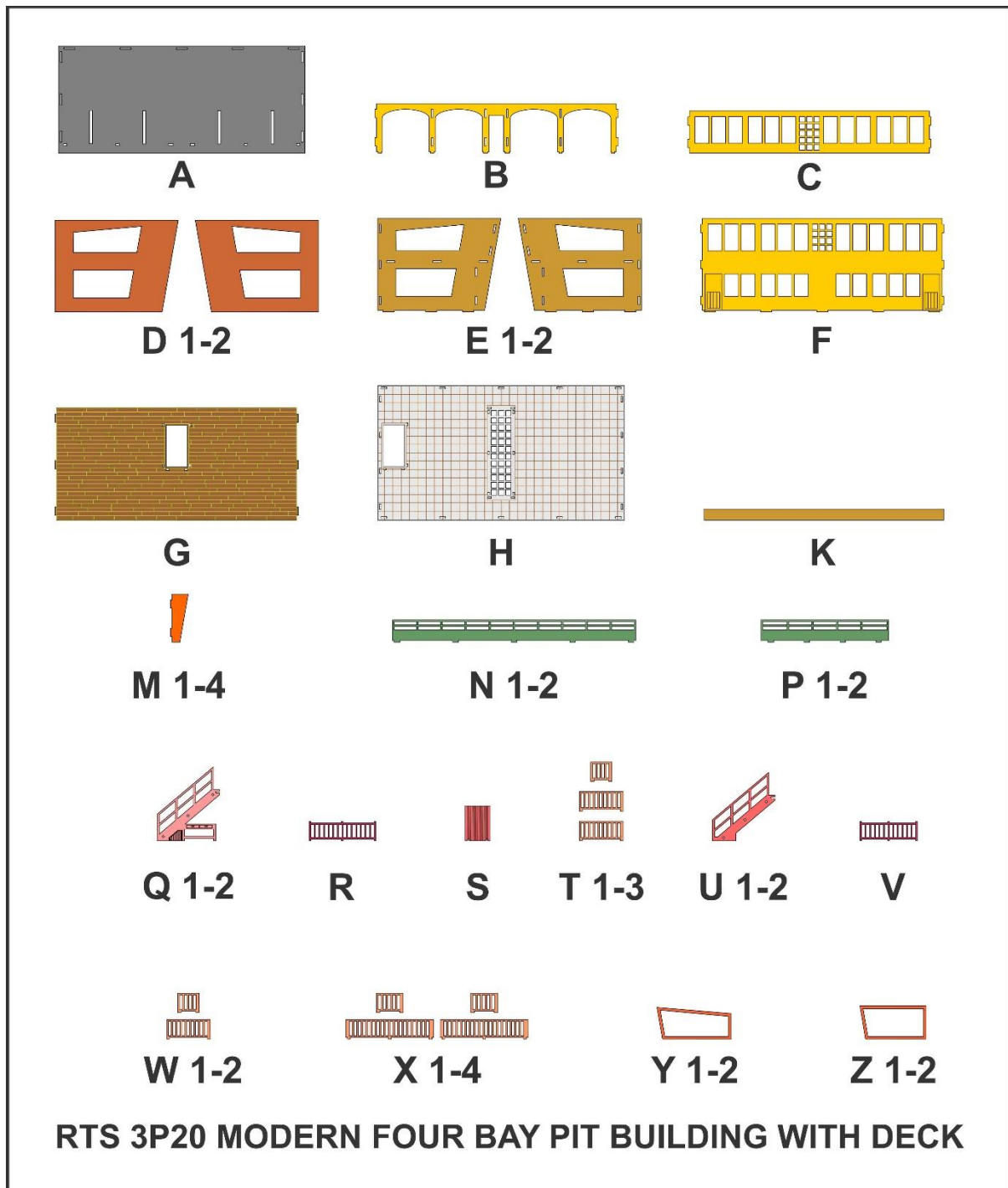
If parts must be at a right angle, you can use any object to assist you in obtaining a square finished product in the end.

FAMILIARIZE YOURSELF

Have a look at photos of the finished product.



Now have a look at the next diagram where all the laser cut parts are shown and numbered from **A** to **Z**. We will identify each piece of the kit and where it fit in.



The front wall (**B**), the two side walls (**E 1-2**) and the rear wall (**F**) all fits into the base plate (ground floor) (**A**). The beam (**K**) fits behind the front wall and this is where the artwork of the different constructors can be fixed. The upper front wall (**C**) fits between the side walls. There are also two side wall covers (**D 1-2**) that can be

added. This will hide the visible nubs, but also ensures a continuous façade if you place more than one pit next to each other.

There is a middle floor (**G**) and the deck/roof (**H**). Around the circumference of the deck there are safety railings (**N 1-2**) and (**P 1-2**). There are four small divider walls (**M 1-4**) that fits into the front wall, as can be seen on the photos.

There is an internal staircase from the ground to the middle floor which is made up of two sides (**Q 1-2**) and the steps (**R**). There is also a workbench top (**S**) that fits between the sides. The opening in the middle floor for the staircase is protected by three safety railings (**T 1-3**). There is a second staircase from the middle floor to the deck which is made up of two sides (**U 1-2**) and the steps (**V**). The opening in the deck for this staircase is protected by two safety railings (**W 1-2**).

The roof light opening in the deck is safeguarded by four railings (**X 1-4**). Lastly there are four window frames that can be fitted around the window openings in the side walls (**Y 1-2**) and (**Z 1-2**).

PREPARING THE CUT PIECES

Firstly, remove all the laser cut parts from the sheets. The sheets can be discarded. Clean the edges of the parts if there are any tiny bits where the parts were fixed to the sheets. This can be done with your knife or even your thumb nail.

We recommend that you start by sanding your finished product with a very light sandpaper to ensure a smooth finish for the end product.

WORD OF ADVICE

We would strongly advise you to do a quick dry assembly before you start gluing the laser cut parts together. Lay out all the parts on your work surface and make sure that the parts are not upside down or mirrored. In most instances it will make no difference, but in others it may be crucial to ensure a perfect product in the end.

Our laser cut parts are specifically cut to very fine tolerances to ensure a snug fit and therefore it is wise to check all fits before gluing parts together. You may need to trim a lug here and there to make assembly easier.

PAINTING YOUR PRODUCT

We would strongly advise you to finish the product with paint or wood stain to make them as appealing as possible. The parts should be primed (2 coats) and painted before final assembly. Spray paint can also be used to get a very smooth finish. Oil or water-based paint can be used and specialised paints like chalk paint can be used to give unique finishes.

Generally, it is highly advisable to paint/spray before gluing. You may not be able to get to the inside of the structure after it is glued together. Covering all the parts that must not be painted or sprayed with the same colour can be a tedious process. Pre-painting will avoid this process.

Please ensure that no paint clog a sleeve where a lug must fit in later. The tolerances are often so tight that too thick a layer of paint may cause problems. It is our experiences that a small foam roller instead of a brush, will produce a better finish and far less clogging of sleeves.

Applying a base or undercoat normally makes life easier afterwards. Two coats of primer are advisable because the MDF absorbs a lot of paint. Using a single colour for the undercoat of all parts works quite well from personal experience. You can choose the paint of your preference, whether it is oil or water based. Cleaning brushes and rollers are just so much easier if you use a water base paint. A chalk paste can give a unique finish to walls and give a weathered look if so desired. If you prefer to protect the paint work of your structure you can always apply a clear spray coat.

LET'S GET STARTED WITH THE ASSEMBLY

It is best to start with the assembly of the two internal staircases. Put one side of the staircase (**Q1**) on your work surface with the engraving facing downwards and glue nubs on one side of the steps (**R**) into the slots of the side of the staircase. Now the next side (**Q2**) can be fixed to the other side of the steps. To finish this first sub-assembly, you can glue the top of the workbench (**S**) on the lower horizontal part of the legs with the engraving facing upwards. The top of the bench will grip around the two legs of the staircase. At this stage, before the glue sets, it is important to assure that the whole staircase is aligned and as square/plumb as possible. You can set this sub-assembly to one side to allow the glue to fully set.

The second staircase is made up of sides (**U 1-2**) and steps (**V**) and can be assembled in the same way (no engraving and no workbench). You can also set this aside for now.

Next you can place the side wall (**E1**) on your work surface. Select the middle floor (**G**), the front wall (**B**), the upper front wall (**C**) and the rear wall (**F**). All that is needed for a proper sturdy assembly is some glue where any two parts touch each other. The nubs that fit into the slots stop any movement, but the glue holds all the parts together. The parts must therefore have glue where they touch another piece (only a little bit of glue is required). Remember to have the engraving on the floor (**G**) to face towards the roof side and the opening for the staircase must be towards the back of the building. Start by gluing the nubs of (**B**), (**C**), (**F**) and (**G**) into the slots in side wall (**E1**). Gently press down on the parts to ensure a snug fit with the side wall. Ensure that the parts are square to each other before the glue fully sets.

Turn the finished sub-assembly around and proceed to glue the nubs of the pieces (**B**), (**C**), (**F**) and (**G**) into the slots of the second side wall (**E2**). Again, apply some

gentle pressure on the second wall to ensure a snug fit. Turn the sub assembly to be upright as in its final position and ensure that all is square and plum. A temporarily dry fit of the sub-assembly into the base plate (**A**) is also a good idea until the glue has set. This will help with the alignment and squareness of the structure.

While the glue is setting you can do a second sub-assembly by gluing the nubs of the railings (**N 1-2**) and (**P 1-2**) on the circumference of the deck; the railings (**X 1-4**) around the roof light opening and the railings (**W 1-2**) around the staircase opening into the relevant slots in the deck/roof (**H**). Ensure that the engraving of the deck is facing upwards. All these railings and their positions can be seen on the third photo above.

Now the sub-assembly that is temporarily dry fitted into the floor can be glued into the slots in the floor (**A**). The beam (**K**) can be glued to the back of the front lower wall and immediately below the middle floor. The two side wall covers (**D 1-2**) can be glued to the outside of the side walls and the four window frames (**Y 1-2**) and (**Z 1-2**) can be glued to the outside of the side wall covers, unless two pits will be positioned next to each other. In this scenario the window frames should be omitted. The nubs of the four small divider walls (**M 1-4**) can be glued into the slots in the lower front wall. The safety railings (**T 1-3**) can be glued into the slots in the middle floor around the opening for the staircase. At this stage the two staircases that were assembled previously can be glued into their final position. The two staircases grip around the floors above them, while their feet can be glued onto the floor below (optional).

The deck/roof sub-assembly can be glued to the top of the walls, but you can also simply position it if you want to add lights, furniture or figurines to the inside of the structure at a later stage.

FINISHING & BRANDING

We leave the finishing to your imagination and your taste. Do whatever you think will transform this into a structure that will compliment your race track diorama. We have included some pre-cut branding that can be used to finish your structure. When you buy the pit building kit you can choose some constructor's logos and also some branding for the top railings. See the images bellow. We recommend that you protect the branding with a clear spray.



CONCLUSION

We sincerely hoped you have enjoyed this assembly and finishing. Please remember to give us some feedback and either send or post some pictures of this product on your track.