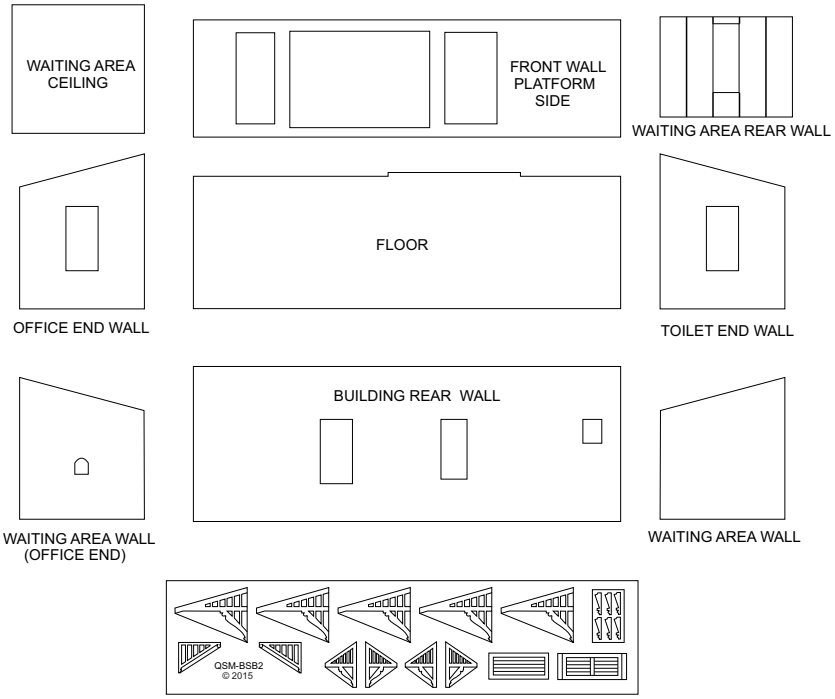
Railway Station Building - “PITTVALE”

Assembly Instructions

MAIN PARTS DIAGRAM



Tools Required

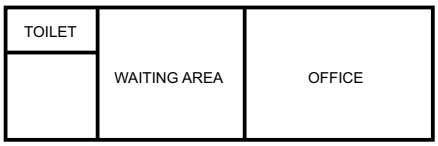
Sharp Craft Knife

Fine Modelling File

Tweezers

Pencil

FLOOR PLAN



Glue

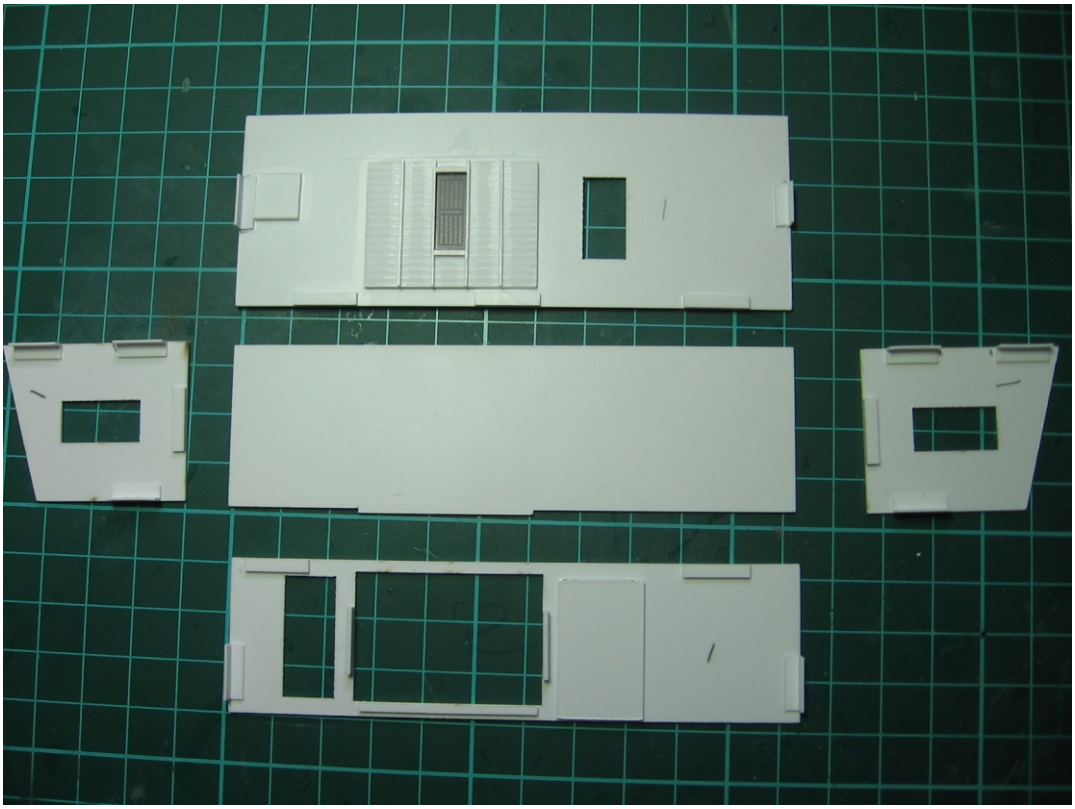
This kit is predominately made up of styrene components. Suitable styrene glue such as MEK is required for the styrene components of this kit. We recommend Microscale Micro Weld as highly suitable styrene glue. The kit also contains various other plastics, which we recommend super glue or equivalent product be used to achieve a good bond between the different materials, and styrene. We recommend Selleys Quick Fix Liquid as suitable super glue. For the clear plastic components of the windows, we recommend Microscale Krystal Kleer be used as the glue.

Assembly Notes

Before starting assembly of your model station building, familiarise yourself with the various components and their names by using the attached diagram and the labelling of the bags containing the detail parts. Do not remove the detail parts from the bags until they are required to be used. The instructions steps will tell you when certain parts are required.

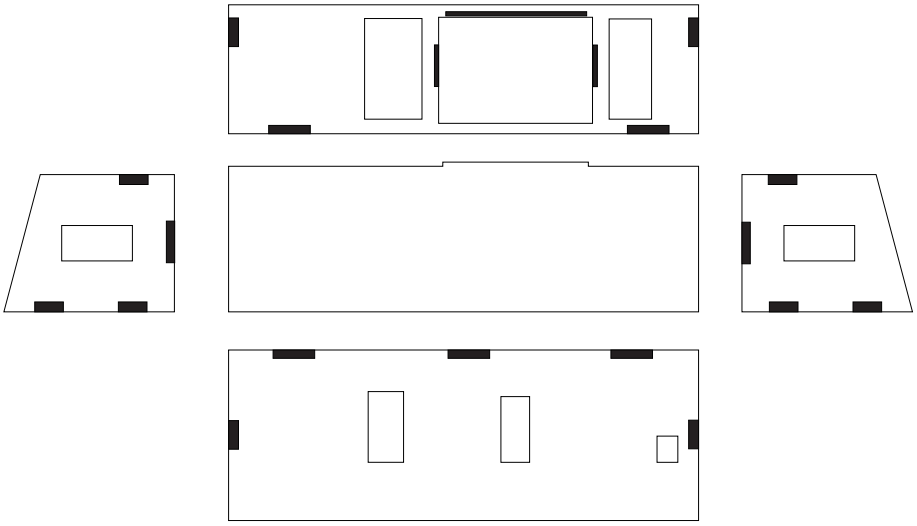
Step 1.

Identify the front and rear walls of the building as well as the two building ends and the waiting area walls. We recommend that the windows **NOT** be fitted at this point, but fitted later, after assembly and painting of the building. Assembly of the windows and doors will be covered in a later step of construction. In the bag containing the windows, you will find a small square white styrene component which has the louver profile for the small toilet window located on the rear of the building. This part is to be fitted from the rear to cover the back of the window opening. Ensure that the louvers are orientated in the correct direction before gluing into place. Ensure that you position the component at least 3.5mm from the end of the wall. This is to allow sufficient space to join the back wall to the end corner wall (refer to photo).



Step 2.

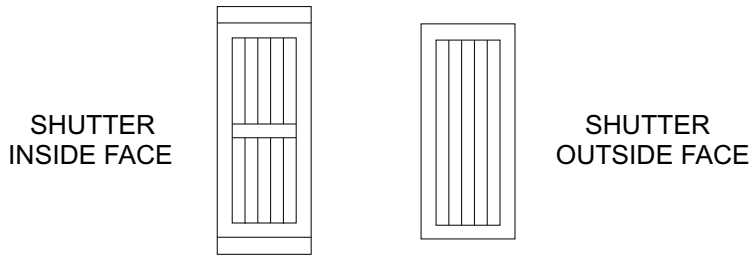
Identify the small bag labelled **STRYENE ANGLE.** The styrene angle is to be used to hold the corners of each side of the building and the base. It is important that the location of the angle pieces will not interfere with any other compoants such as doors, the waiting area floor. Lay the main floor and the external walls of the building out on your work area as shown in the diagram below. Attach the styrene angles at the positions shown as the large black rectangles in the diagram. It is very important that the edge of the styrene angle be aligned exactly with the edge or corner of the building component.

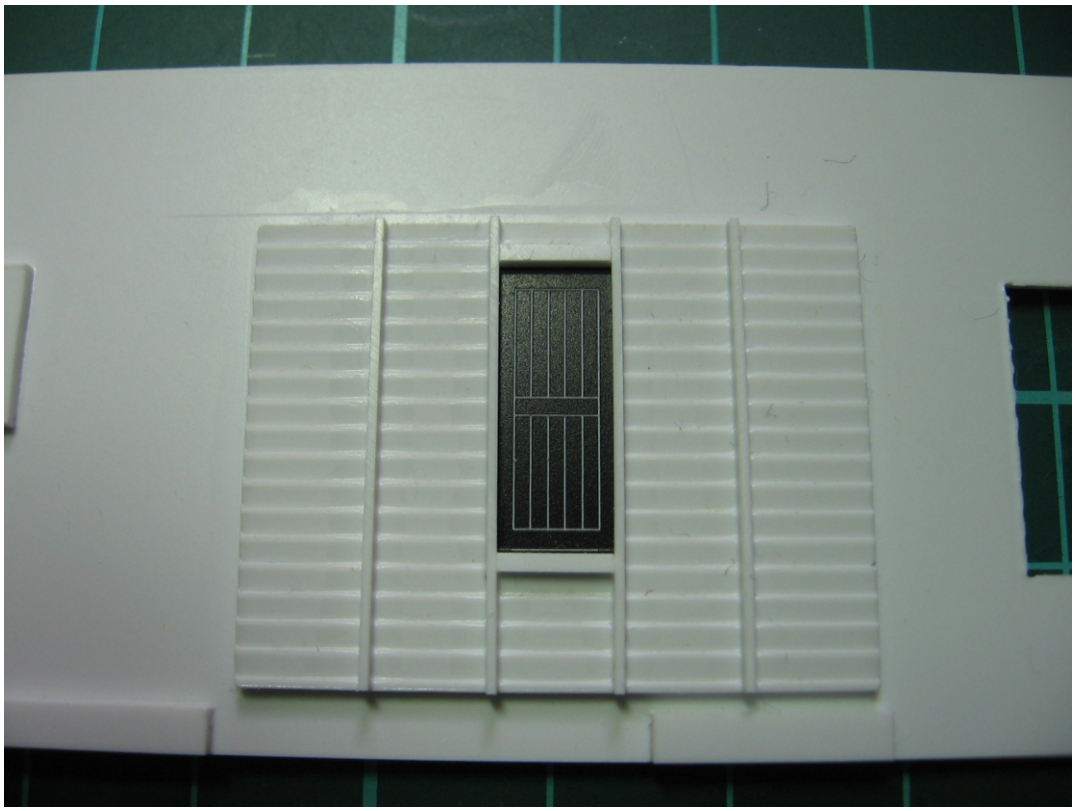


The 2.5mm strips are to be used to support the building floor and should be positioned flush with the bottom of the walls so as to raise the floor 2.5mm from the bottom. Refer to the earlier photo and drawing for the position of these strips. Two of these 2.5mm strips are also to be used to support the side waiting area walls, and need to be glued, narrow side down, flush with the vertical edge of the entrance to the waiting area. The long strip is to be used to support the waiting area ceiling and should be placed just above the entrance to the waiting area. Once again refer to the drawing.

Step 3.

Identify the waiting area rear wall from the bag labelled **WAITING AREA WALLS** and the pre-cut styrene HO scale 3x2 studs. Glue the weatherboard profiled wall to the inside of the building back wall. Ensure that the weatherboard profile runs in the reverse of the outside profile, to replicate the inside of the weatherboard wall. Use the window opening in the building wall as a guide to the location. Ensure that the vertical edges of the window on both pieces are flush and that you have around 1mm clear gap on the bottom and top, ready to receive the ventilation shutter from the inside of the waiting area. Identify the two window shutter parts from the laser cut component sheet. Glue the longer of the two into position on the inside of the wall. The outside face of the shutter can than be glued back to back with the inside face. Refer the drawing and photo below.





Next glue in place the pre-cut 3x2 studs into place. You will find lightly engraved lines on the inside wall to assist you in locating the correct position for each stud. Then glue the 2 thicker pieces of square styrene into place above and below the shutter as shown in the above photo.

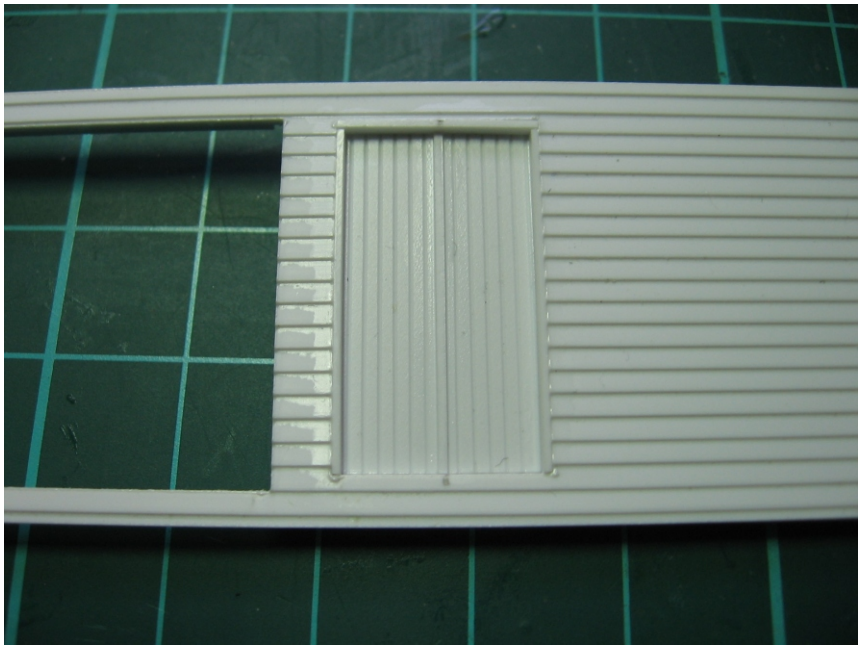
Once the glue has set on the studs, trim or file back any overhanging material on the top and bottom of the internal wall

Step 4

Identify the bag labelled **REAR WALL WINDOW FRAMING.** Identify the small pieces which form the toilet window framing and study the photo below. Dry fit the componants before glueing into place. Start by fitting the top piece into the window opening, and then the two sides, followed by the piece which forms the sill. Next fit the framing around the shutter window. Once again dry fit the pieces first before glueing into place.

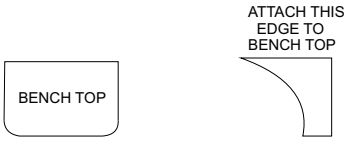
Step 5.

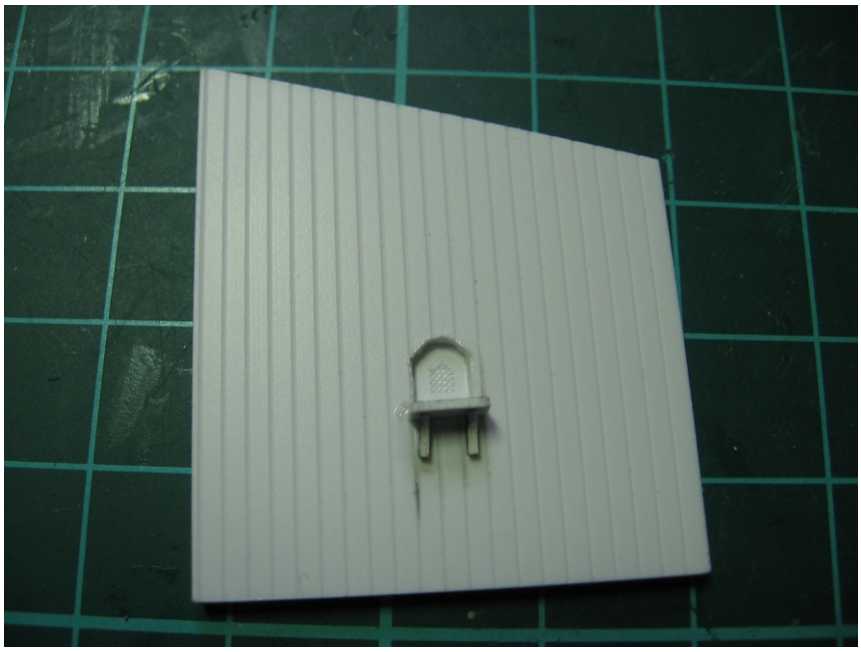
Identify the bag labelled **OFFICE DOOR**. Identify the door and glue into place from the rear of the wall. Position the door so the bottom is exactly in line with the door sill. This allows for the floor to run on the same line as the door sill (refer to photo on Page 2). Next glue the door framing around the door starting with the top, then the two side pieces. Locate the exact centre of the door and glue into place the small styrene strip vertically. Refer to the photo below.



Step 6.

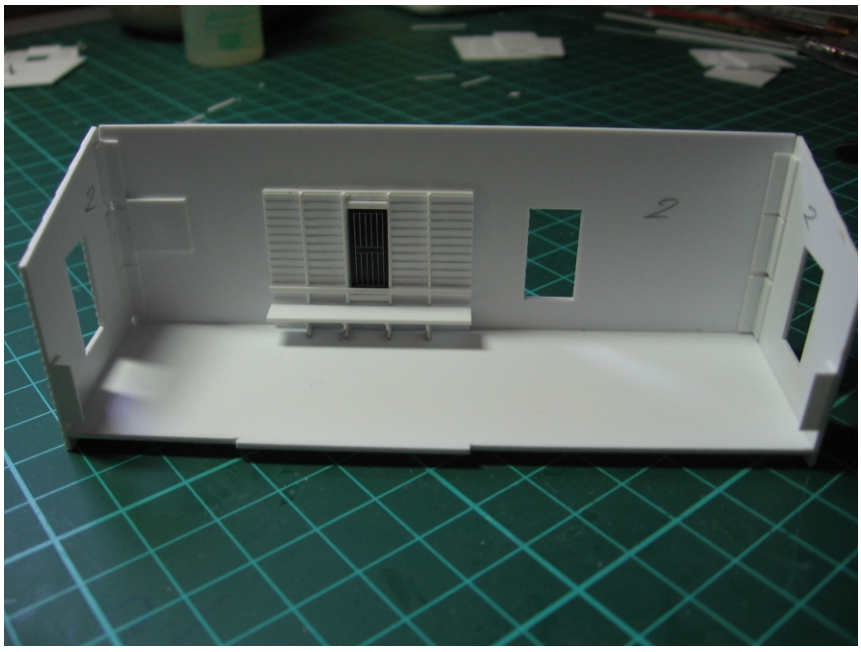
Identify the Waiting Area wall with the ticket window opening. In the bag labelled **TICKET WINDOW** you will find the styrene ticket window that is to be glued into place at the back of the ticket window opening. The window should now be glued into place from the rear. Next glue the small bench in front of the ticket window of the waiting area wall. You will find this bench in the bag labelled **TICKET WINDOW** as well as the two small brackets which are to be glued below the bench. The widest edge of the bracket is to be fitted to the base of the bench as per the diagram below.





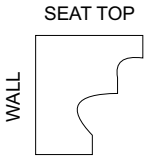
Step 7.

Now it is time to start assembling our building. Start by joining the floor with the rear wall. The floor is supported by the 2.5mm styrene strips fitted earlier to the base of the rear wall, and under the bottom of the waiting area rear wall. Next stand the two end walls and glue them to the floor and the rear wall by the styrene angle fitted earlier. When the two walls are brought together, a 1mm x 1mm section will be left exposed at the corner. This will be later capped with a pre-cut piece of styrene strip. Refer to the photo below (Please Note – Photo below also shows waiting area seat fitted. This procedure is covered in the next step).

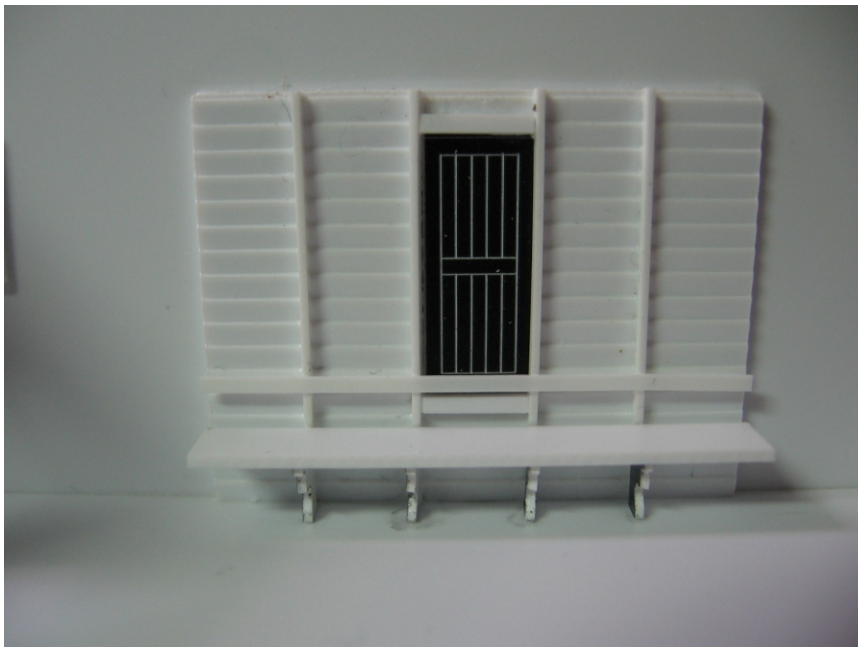


Step 8.

Next fit the chairs for the waiting area bench seats. You will find these parts in the bag labelled **WAITING AREA PARTS.** The chairs have a very distinctive shape, and should be oriented in the manner described in the diagram below. Glue two chairs to the back wall studs.



Next identify the seat bench from the waiting area parts bag, and glue into place on top of the chairs. The seat bench is exactly the same width as the rear wall, so ensure that it is correctly positioned by dry fitting the two side walls. Next fit the seat back rest to the studs. Once again check that it is correctly positioned.



Step 9.

Next stand the front platform side wall. Once again ensure that an even 1mm section is left exposed at the corners.

Step 10.

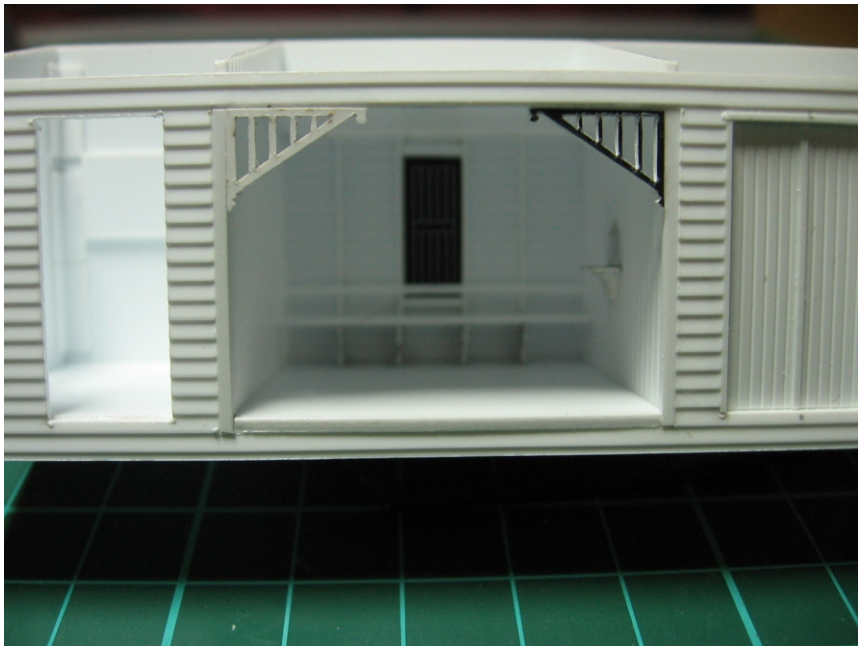
Once the glue has firmly set on the previous step, insert the two waiting area walls. An exposed 1mm gap is to be left at the front of the waiting area which will be capped in a later step. At this stage we strongly suggest that you paint and detail the interior of the waiting area while access from the top and front can be achieved.

Step 11.

From the bag labelled **BUILDING END CAPS** identify the four building wall end caps that will fit each of the four outer corners of the building. Glue into place and once the glue has set, file down any overhang that may occur at the bottom and top of each wall cap. From the bag labelled **WAITING AREA END CAPS** identify the two styrene strips that will fit into place at the corners of the waiting area.

Step 12.

Once you have finished painting the waiting area, glue into place the waiting area ceiling. Next glue into place the two spandrel lattice brackets into each top corner of the waiting area entrance. You will find these spandrel brackets in the sheet of laser cut detail parts for this building. Refer to the photo on the next page.

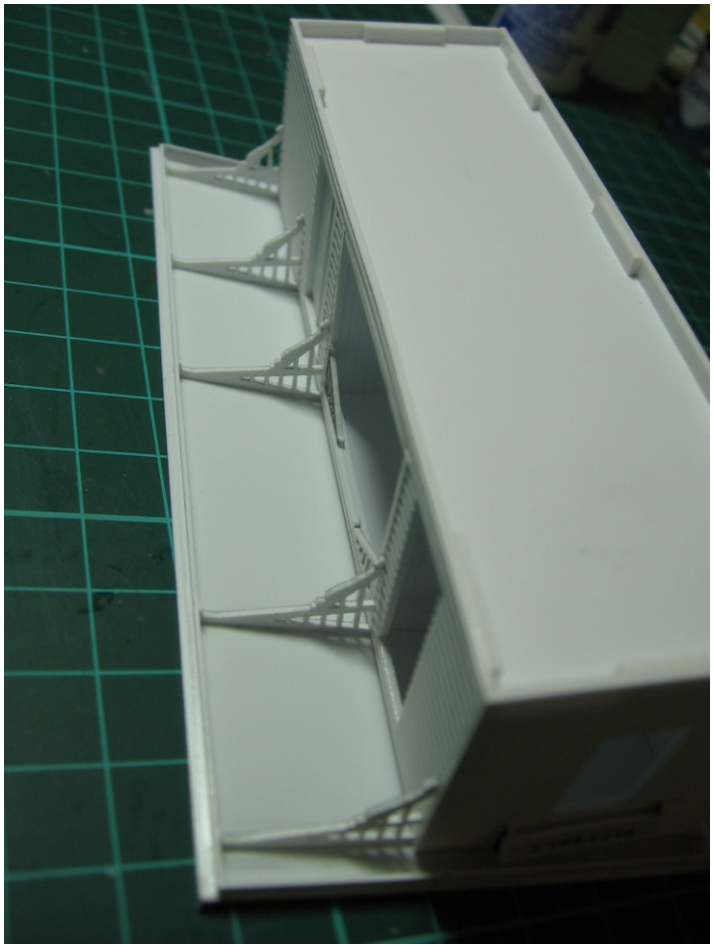


Step 13.

We are now ready to install the roof of the building. With a ruler and a pencil, mark out on the underside of the roof panel 4mm from the ends, and 3mm from the rear. This will assist you in locating the edge of the building walls and provide the building with a roof overhang. Place the roof panel upside down on your work bench, and glue into place the assembled building shell by lowering it into place using the previously marked pencil lines to locate the end and rear walls.

Step 14.

Next identify and remove from the detail parts sheet the five roof trusses for the platform awning. Once removed from the sheet, carefully knock out the unwanted areas of the part with the tip of a craft knife or similar small tool, and glue into place in the positions shown in the photo below.



Step 15.

Next glue into place the facer boards. You will find the main facer boards for the front and rear of the building in the main parts bag and the end facer boards in the bag marked **END FACER BOARDS**. Start with the front facer board, and then the two end facer boards followed by the rear.

Step 16.

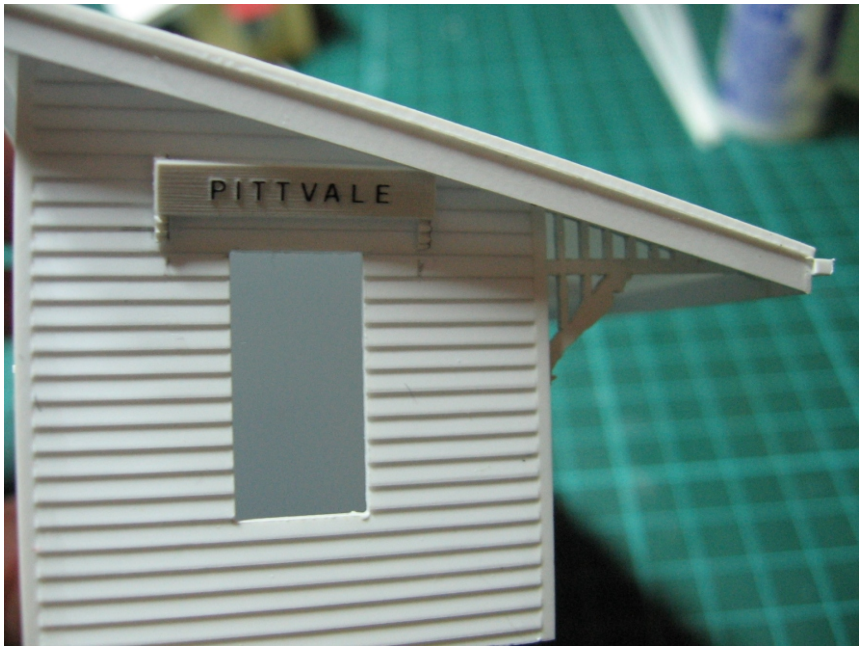
Identify the roof gutter from the main parts bag, and with a piece of styrene found in the bag marked **ADDITIONAL STYRENE**, cut a small piece of 0.29 x 1.09mm strip to cover the end of the piece of channel. Once the glue has set, file down the end pieces to the shape of the channel. Glue the gutter into place against the front facer below the roof panel.

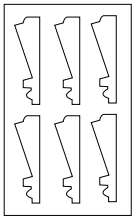
Step 17.

Identify the bag marked WINDOW AWNINGS which contains the small roof sections of the window awnings, and the four awning brackets from the detail parts sheet. Carefully remove the brackets from the sheet. Lay the roof panels flat on your bench, and glue the brackets to the underside edge of each side of the roof panel. When complete glue above the two windows of the ticket office. Check that there is enough clearance to fit your windows later.

Step 18.

Included with the kit are two station name boards bearing the name “PITTVALE”. A feature of this style of QR station was to present the station name board on the two ends of the building. Usually the name board was supported from the wall by brackets, which held the board out from the wall and slightly pointed down. We have included in the detail parts sheet the small brackets used for supporting the name board, and these are designed to fit the Station Name Boards produced by Queensland Scale Models. If you would like a custom name board for you station, these can be ordered separately from us. When ordering, please ensure that you note that the board is intended to be fitted to this station building kit. Two brackets are all that is required to support the name board provided, but if your chosen name is long, three brackets per board may be desired. We have included a total of six brackets into the detail parts sheet for this purpose. We suggest that the brackets only are fitted to the walls at this point, as this will allow for the wall to be painted, and the name board fitted later. We recommend Microscale Krystal Kleer for attaching the name board to the brackets at a later stage. Please refer to the photo on the following pagefor positioning of the brackets.





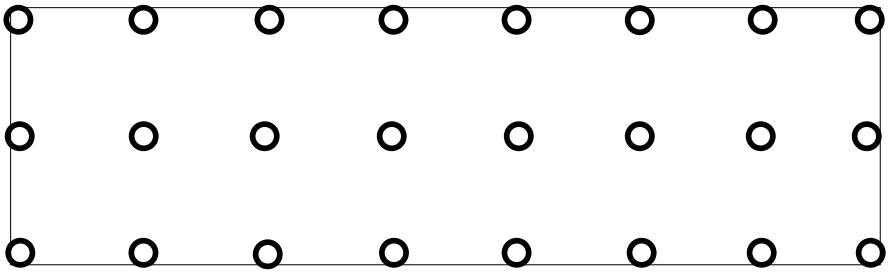
STATION NAME BOARD BRACKETS

Step 19.

Your building is now basically complete and ready for painting in your chosen colour scheme from your respective era. Before painting, you may want to consider fitting down pipes from the roof gutters to wherever you want them to go, such as rainwater tanks etc. A length of 1.0mm styrene rod has been provided with the kit for you to fabricate your down pipes. Prepare your windows and doors by painting them while they are attached to the sprue. When you are finished painting the windows and doors, fit the window glazing and the doors to the frames. One of the windows is to receive a piece of white styrene as glazing, and this window is to be fitted to the rear toilet window. We recommend Microscale Krystal Kleer be used for fitting the clear glazing. Once the building is painted, fit the completed windows and doors to the building using Krystal Kleer.

Step 20.

Planning should also be made on how you intend on mounting your building. A length of 3.2mm rod has been supplied for stumps as well as stump caps which only need to be fitted to the outside stumps. We recommend the following procedure for mounting your building to provide the best appearance when completed. We recommend mounting your model on a base such as plywood, which will be suitable for mounting the completed model onto your layout. Place the building onto the base and mark out with a pencil around the edges of the building. Next mark out your stump plan as shown in the diagram below.



Use a 1/8” (3.17mm) drill for the outer corner stump holes, and a 9/64 (3.57mm) drill for the other holes. Scenic and detail your base under your building before mounting. . A length of 3.2mm rod has been supplied for stumps as well as stump caps which only need to be fitted to the outside stumps. There is enough rod supplied to set your building to a height of around 3.0 to 3.5mm above ground level, providing the individual length of each stump does not exceed 10mm in total length. Cut your stumps from the 3.2mm rod supplied by rolling the rod back and forth under a sharp craft knife. Fit the stump caps to the outer stumps only and file down the edges of the caps to an angle of around 45 degrees to give a bevelled round edge appearance.

Insert all of the outer stumps to their holes before mounting your building, but leave unglued for the moment. Start by setting your four outer stumps at the correct height that will set the building at the required height. Once you have set the height. Glue the four corner stumps in place from below the base. Once the glue has set on the stumps, glue the building into place onto the four corner stumps. Next pull up the outer edge stumps with a set of tweezers and glue to the underside of the building. Cut your inner stumps, and push up from underneath through the base to mount underneath the building. Normally QR stations of this design had no platform Enough styrene has been supplied to construct the steps assuming that the building will be set at a height of around 3.2mm. The step extends the full length of the doors and the waiting area. Five square styrene blocks have been supplied to represent the short concrete supports for the step. They are cut from 2.5mm square material and are 3.0mm in length. Arrange these blocks on your workbench side by side to ensure that you have them orientated the correct way up before glueing into place at even intervals under the step. The blocks should raise the below step level to 3.0mm. A length of 1.0mm styrene rod has also been supplied with the kit to complete the building downpipe, which can be directed to the ground, or a rainwater tank.

PHOTOS & FURTHER INFORMATION CAN BE FOUND ON OUR WEBSITE

www.queenslandscalemodels.com.au