

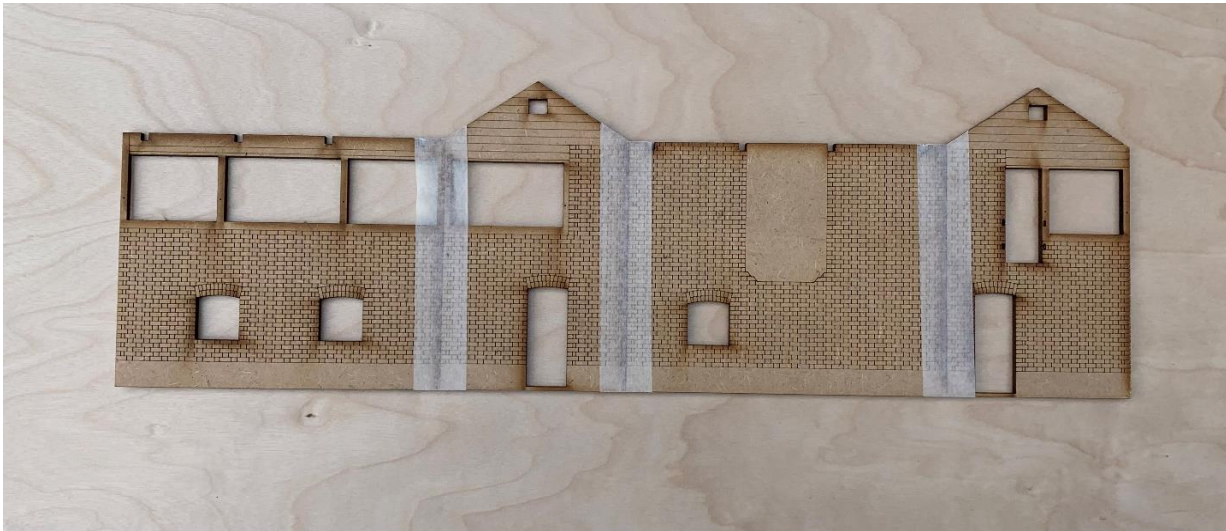
MONK'S GATE MODELS

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GWR 'LECKHAMPTON' SIGNAL BOX 7mm ASSEMBLY INSTRUCTIONS

Warning: This kit is intended for those with a modicum of modelling experience and is not suitable for children due to small parts, the use of hazardous adhesives and sharp blades.

Please read through these instructions before starting construction.



Begin by making up the four sides of the building. These are pre-mitred and are best assembled by laying face up on a flat surface and accurately butting together, making sure the brick courses line up. Secure with masking tape and fold up into a rectangle, then run superglue into the joins. Don't over-do the glue as it may seep through the masking tape. Fit the 3mm MDF base which will ensure it is square.

Remove the tape as soon as it is safe to do so. If any glue has seeped through, then this can usually be cleaned up by vigorously rubbing with thinners. Avoid sandpaper or files as this may quickly remove the mortar lines.



Laminate the three sections of the external chimney breast together thus, and glue onto the rear of the building where indicated. The floor supports and corner fillets can also be added.

Add the window sill paper strips to the locking room windows, and the thin 2mm MDF strips which beef up the continuous window sill for the main windows.

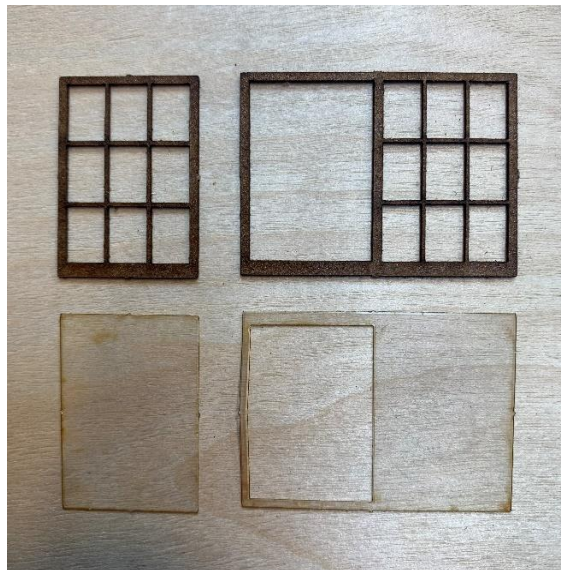
The pre-mitred and pre-chamfered brick plinth strips can be added around the base of the building. Ensure the mitres and brick courses line up accurately, using masking tape on the joins as before. Make them up in two lengths as shown and attach to the building.



I would recommend painting the external brickwork and upper timber at this stage before fitting the doors, windows and internal first floor ply.

Identify the parts for the windows and doors. Note the main windows are made up of external and internal frames and should be painted white prior to assembly. I have found cellulose white primer from Halfords works well. Two coats are usually sufficient. Note - the frames should be left to cure over night as the paint can soften the adhesive backing used on the frames. However, once dry, the liner paper can be removed and the frames stuck down to the relevant piece of acrylic glazing material.

All doors and windows can now be glued in place. I would recommend 'cock-pit glue'; not superglue as this will affect the acrylic glazing turning it cloudy. Some sliding windows can be fixed in an open position if desired.

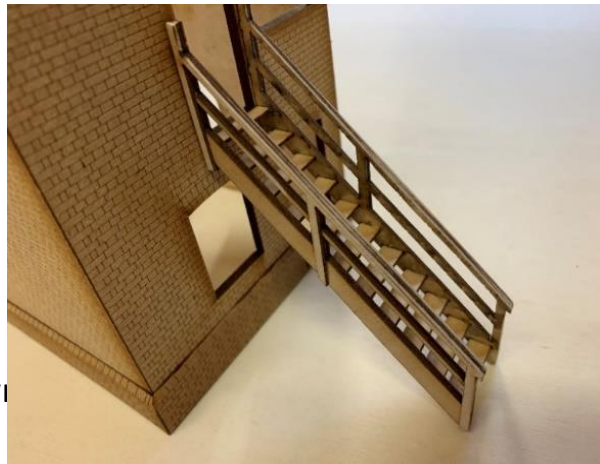


Next, paint and add the internal wall laminations, chimney breast and fireplace.

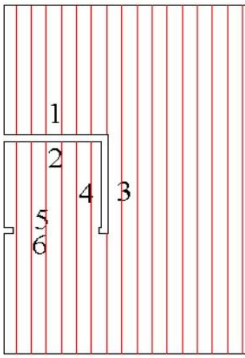
Position the four roof trusses in their slots in the tops of the walls. Some fettling may be necessary if the roof needs to be easily removable, as these trusses are glued to the roof boards rather than the building. Once the roof boards are stuck to the trusses, and you are happy that the roof assembly can be taken off and put back on fairly easily, add the slate strips. These are self-adhesive and you will see faint lines on the boards to guide accurate location of the strips. You will also find one strip of 1 1/2 width slates. These are to be separated and used as the first slate on a row, rather than a half-width slate. The ridge tiles are made by sticking the very thin strips of paper at the marked intervals and trimming once dry. If you stuck slates over the opening for the chimney then trim back to reveal the hole. Make up the chimney stack by gluing up with masking tape in the same manner as the walls. Detail brick strips are included to add around the top of the stack if the earlier fancy chimney is to be modelled.



Make up the staircase. It is best to first assemble the main strings and handrails for each side by laminating the three layers together. Then assemble the staircase treads in their slots but without glue. Note there is one tread which is narrower which goes on the top step. Once assembled dry (three hands are useful!), place upside down gently in a vice, check all is square and parallel and drop superglue on each tread slot. Leave to dry before removing from the vice.



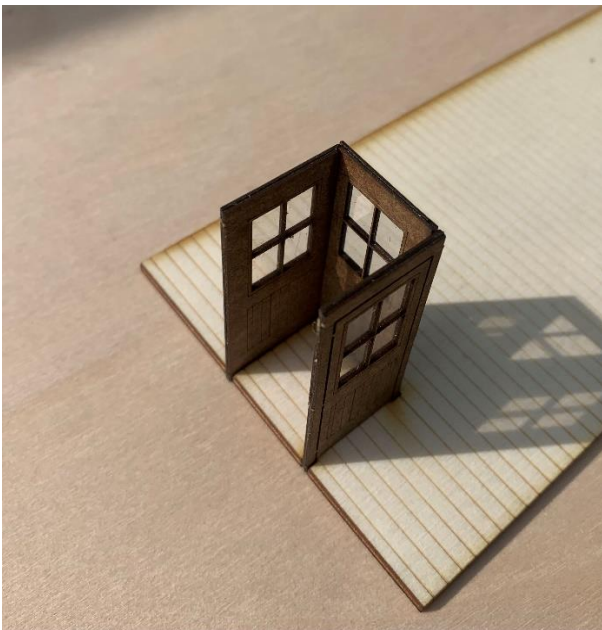
Make up the parts for the vestibule. These are numbered and correspond thus:



Laminate glazing to parts 2 and 4. Please note these are two different sizes. Laminate 1 and 3 to the reverse.

Laminate 5 and 6 with glazing in between. Note 5 and 6 are handed. The door can be modelled in an open position by cutting through the glazing.

Fix to the floor as shown, flush on the underside.



On the top ridge of the roof, divide the length into 3 and drill 2 x 4mm diameter holes to take the 3D printed roof vents. These should leave about 11mm of shank protruding. Add the barge boards and fascias.

You may wish to add guttering and downpipes. I would recommend Modelu for accurate 3D printed parts. Modelu also supply a range of interior detailing parts and furniture etc.

Monk's Gate Modes have no commercial connection with Modelu.

The illustrations above are all shown unpainted but I highly recommend painting the model during the various stages of construction. Eg, paint the brickwork and external timber before adding the doors and windows; similarly, paint the staircase before fitting.

These instructions are intended as a guide only and you may wish to proceed with construction in a slightly different order, to suit your preference.

Prototype painting details for the period 1912-1947 and information can be found in 'Great Western Structure Colours' by Richard North.

Several parts are small and delicate and easily lost or broken. If you require replacements then simply identify the part by emailing a photo of it to me and send me a stamped, addressed envelope and I will post a replacement free of charge.

If you require further assistance in any way, please do not hesitate to contact me at:
monksgate1907@gmail.com

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