

# PN138 N GAUGE WAYSIDE STATION KIT

READ THROUGH ALL THE INSTRUCTIONS BEFORE YOU START.

To construct this kit you will need the following:

1. A Modellers knife.
2. A pair of sharp pointed scissors.
3. A steel ruler.
4. Glue - UHU Clear Adhesive is our favourite.
5. A cutting surface - a sheet of card or a cutting mat.
6. Fine point tweezers to hold the smaller components.
7. Water colour paints and a very fine brush, for painting the edges and corners (optional).

## GETTING STARTED

### 1 EXTRACTING COMPONENTS FROM SHEETS.

To stop the components from falling off the sheets, they are held secure with scorelines. These are cuts that only go about 75% of the way through the card.

To release them simply run the point of your knife along the scorelines and they will come seamlessly away. These scorelines are indicated with blue arrows: →

**WARNING,** Cut with care using a knife that is not too sharp, this will reduce the risk of the blade running out of the score and cutting the kit components.

#### LASER CUT SHEET.

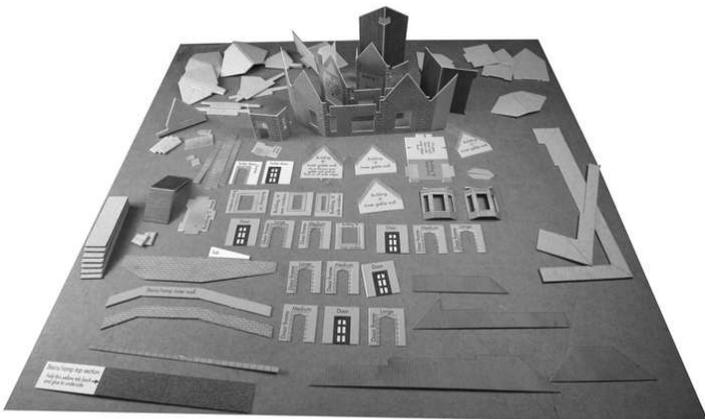
The awnings and brackets have been laser cut for finer detail and are contained on a separate cream coloured sheet. THESE ARE BEST LEFT ALONE ON THIS SHEET UNTIL YOU HAVE BUILT THE MAIN BODY OF THE KIT.

The diagram (Fig. 15.) show the lines that you will need to cut to release the components from the sheet.

### 2 MAKE YOUR 'BUILDERS YARD'.

This is an area kept away from your working surface, where you store ALL components extracted from the base sheets until needed.

Use a piece of thick card or a tray to make your builders yard.



Your WORKING area should have a clean flat surface, and should only contain the kit parts you are actually working on.

EVERYTHING ELSE SHOULD BE KEPT NEATLY ARRANGED IN THE BUILDERS YARD, UNTIL NEEDED.

PLEASE NOTE: Don't throw anything away. Keep all offcuts and waste card in a box until the kit is finished, just in case you can't find anything. The chances are that it will be there.

# INSTRUCTION SHEET 1

## CHECK LIST

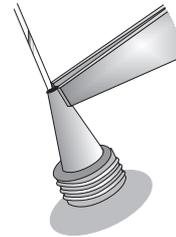
This kit pack should contain the following:

- 1 x PRINTED SHEET - Components for all buildings.
- 1 x PLAIN GREY CARD X - Interior strengthening parts.
- 1 x PLAIN GREY CARD Y - Interior strengthening parts.
- 1 x LASER-CUT CARD - Canopy edging and brackets.
- 1 x GLAZING SHEET.
- 2 x INSTRUCTION SHEETS.
- 1 x Ridge Tile Sheet.
- 1 x Chimney pots, posters and extra doors sheet

## UHU GLUE TUBES

Although the 20ml. tubes of UHU have narrow nozzles, they are still a bit too big

To make the nozzle smaller, put a piece of wire from a medium size paper clip or a large pin inside.



Then with a pair of pliers nip one side of the nozzle tightly, so that it squeezes the soft metal around the pin.

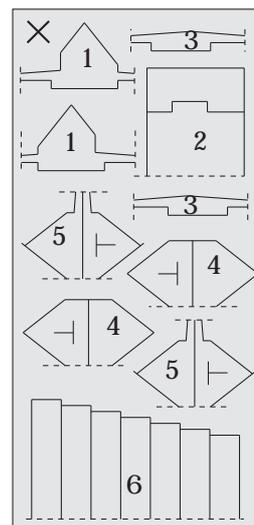
Keep the pin in the nozzle when not in use to stop it from blocking up.

If using the glue frequently, it is not necessary to keep replacing the pin in the nozzle. Simply place the tube upright in an empty cup when not in use.

## PLAIN GREY CARD COMPONENTS.

These thick card pieces are used within the kit to strengthen and thicken parts of the kit. The dotted lines indicate where you need to cut to release from base sheet.

There are two sheets of card, marked top corner X and Y

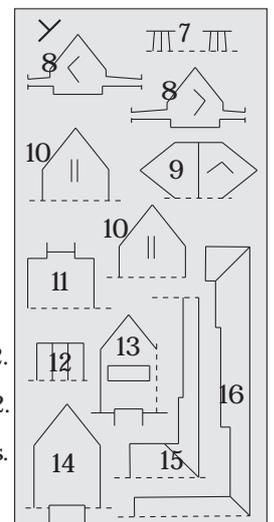


SHEET X.

1. Building B roof & canopy support.
2. Building A inner floor.
3. Building B canopy supports x 2.
4. Building A gable inner wall spacers x 2.
5. Building A roof & canopy supports x 2.
6. Platform steps x 7

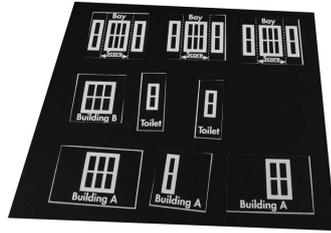
SHEET Y.

7. Small canopy beams x 2
8. Building C roof & canopy supports x 2.
9. Building C gable wall spacer.
10. Building B gable inner wall spacers x 2.
11. Building B inner floor thickener.
12. 3 x Large chimney stack inner formers.
13. Building C inner gable end wall.
14. Building B inner gable end wall.
- 15/16 Canopy lower roof units.



## Fig. 1. START WITH THE WINDOWS.

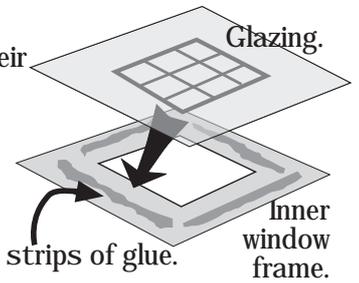
Start by cutting out all the clear plastic window sections. Cut along the thin white lines that mark them out. Place on a dark piece of card so you can see them.



NOTE: Only do the flat windows. Bay windows are dealt with in Fig.2.

ALSO NOTE; The two toilet windows fit directly onto the openings in the side walls FIT THEM NOW.

Fix each of the glazing sheets to the back of their corresponding inner window frames with the mat printed side facing through the openings.



Thin strips of glue.

Place the windows back in your builders yard until needed.

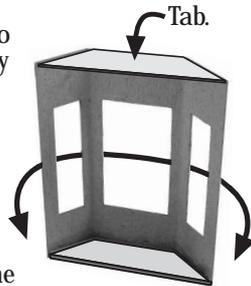
## Fig. 2. BAY WINDOWS.

This is a fiddly bit, so best to get it over with now.

Start by folding the two side sections of the bay window fully back to loosen the scorelines.

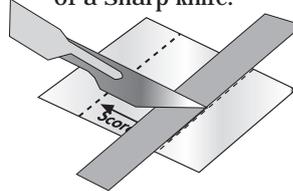
Fold down the top tab and fix the the side windows to it. Fit the small pink tab inside the bottom of the bay window.

Allow the glue to set fully before fitting the glazing.

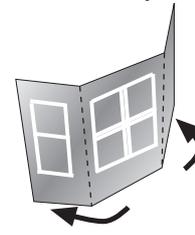


### GLAZING.

Score the glazing along the dotted lines very lightly with the point of a sharp knife.



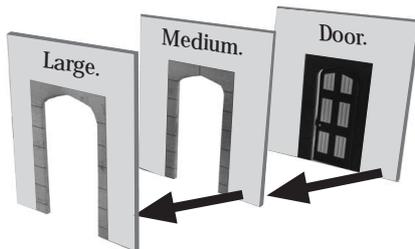
Carefully bend the scorelines to form the same shape as the bay window frame. Fit inside bay with tiny spots of glue.



Place in builders yard until needed.

## Fig. 3. DOORWAYS.

There are four doorways in the main building. They all fit together in the same way



Glue the medium door frame to the back of the large. Then fix the door to back of medium frame to give a stepped relief look like this.

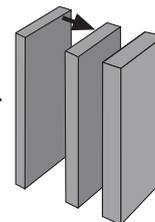


Glue each to the back of the other so all outer edges are flush. The toilet door has only one frame. Place all the completed door units in builders yard until needed.

## Fig. 4. LARGE CHIMNEY STACK.

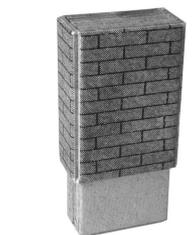
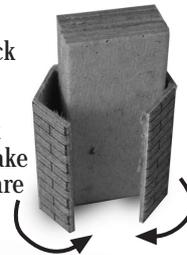
This is another little job to get out of the way before you get stuck into making the main buildings.

Glue the three plain grey chimney stack inner formers together to form a solid block. (No 12 on Grey Sheet)



Like so!

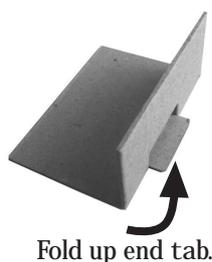
Wrap the large chimney stack around the block tightly so the ends meet. Stand on a flat surface and make sure all edges are pressed down flat against it.



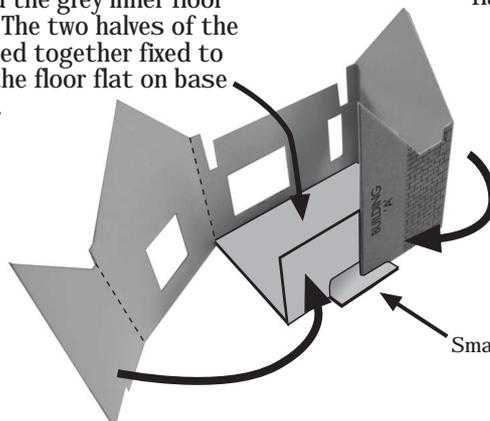
Place in builders yard until needed.

## Fig. 5. BUILDING 'A'.

Building 'A' folds around the grey inner floor (No. 2 on Grey Sheet). The two halves of the back wall meet butt ended together fixed to the vertical tab. Keep the floor flat on base flush with wall bottoms.



Fold up end tab.



Small floor tab.



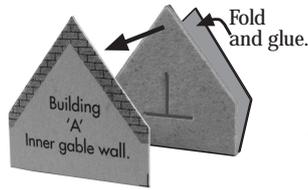
Building should look like this with the small floor tab sticking out through the slot of the back wall.

## Fig. 6. BUILDING 'A' WINDOWS GABLES & BEAMS.

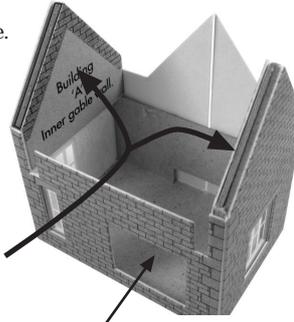
Fit the three windows so they are sitting down on the base card, then slide them into position. Fit the gable windows first.

Fold the two grey spacers in half to make each one double thickness (No 4 on Grey Sheet) marked with a  $\perp$ . Then fix each one to the back of the two inner gable walls.

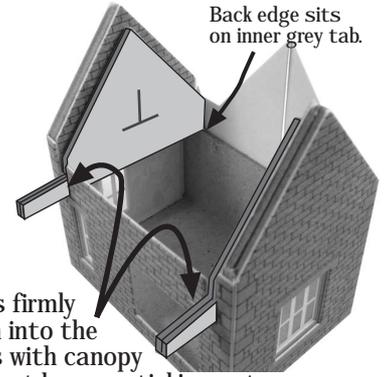
The two grey roof supports fold in half then sit inside the building



The thick gable walls are now fixed to the inside of the end walls. Keep flush with wall tops.



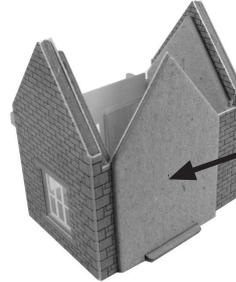
Bay window fits over this opening later.



Press firmly down into the slots with canopy support beams sticking out.

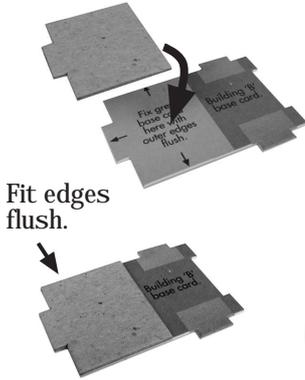
## Fig. 7. BUILDING 'B'.

To make the base card a little more substantial There is a plain grey piece that fits on part of the base card (No 11. on Grey Sheet).



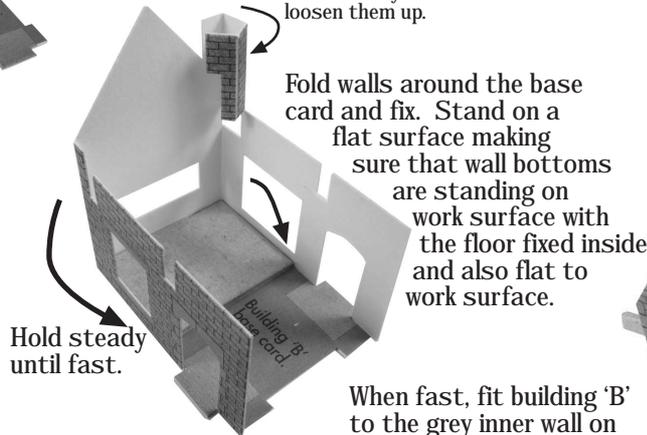
Finally, fit the inner grey gable wall for fixing building 'B' (No. 14 on Grey Sheet)

Fit over the two joining walls on building 'A' Make sure top edges are flush.



Fit edges flush.

Fold the three scores around on chimney to loosen them up.

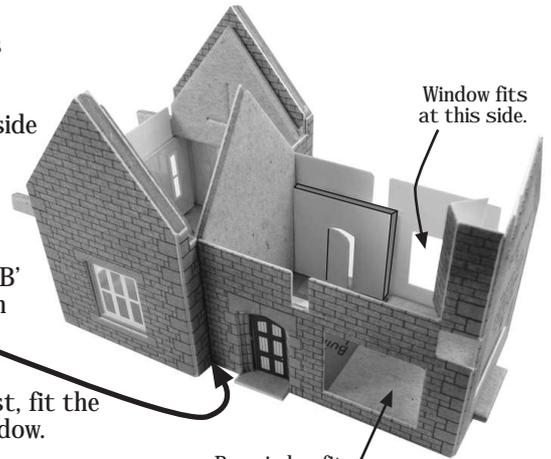


Fold walls around the base card and fix. Stand on a flat surface making sure that wall bottoms are standing on work surface with the floor fixed inside and also flat to work surface.

Hold steady until fast.

When fast, fit building 'B' to the grey inner wall on building 'A'

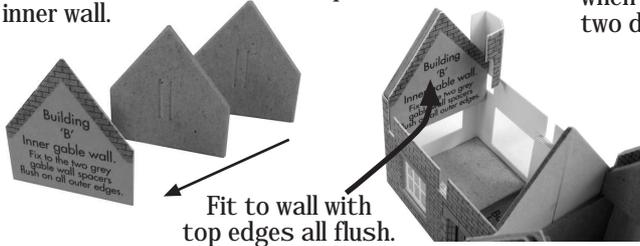
Stand on flat surface when fitting. When fast, fit the two doors and the window.



Window fits at this side.

Bay window fits over this opening later.

Fix the two gable wall inner spacers marked II to the back of the printed inner wall.

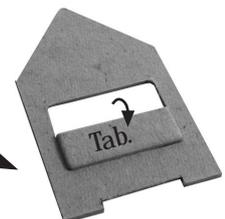
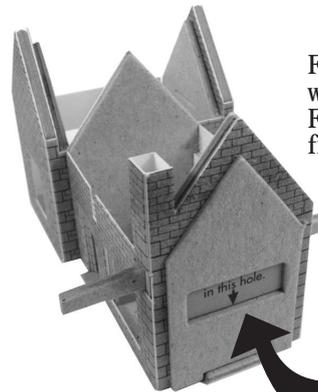


Fit to wall with top edges all flush.

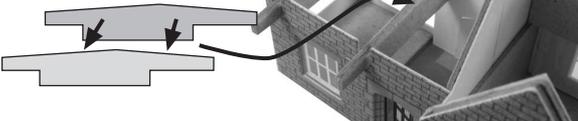
Push the longer canopy support through the hole under the chimney.

Fold the chimney stack around and fit into the recessed part of the inner support.

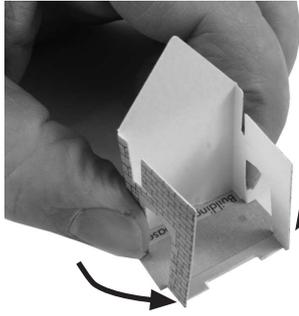
Finish off with the inner gable wall with the small tab. Fold over the tab and fix, then fit the gable to the end of building 'B' with the tab fitting into the slot in the wall.



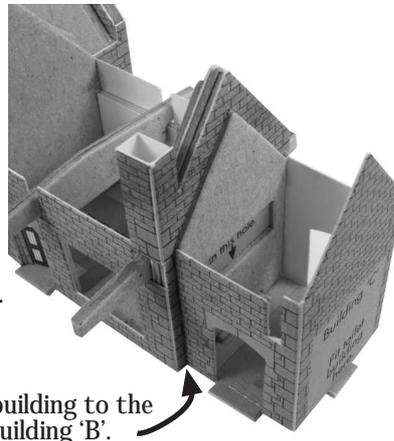
Fix together the two matching grey card roof supports (marked 1 and 3 on grey card X) then fit into the slots in the wall tops.



**Fig. 8. BUILDING 'C'.**

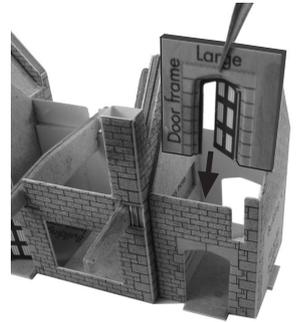


Carefully fold the walls around the small base card and fix as shown. Keep the base flat on your work surface with all bottom edges of walls flush. Hold firmly like this till the glue sets hard.

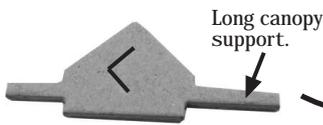


Fix the building to the end of building 'B'.

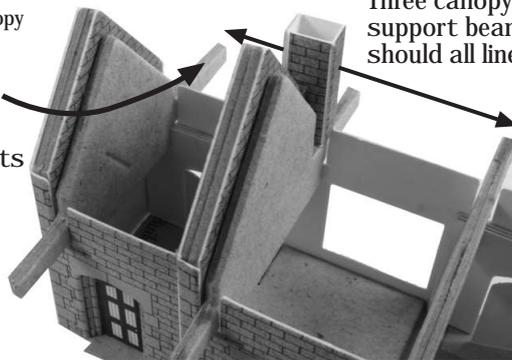
When the building is fast, carefully fit the two door sections that you made earlier.



Glue the two grey inner gable spacers marked < together then attach the back of the inner gable wall, keep all edges flush. Fix to gable wall in same way as with other gables.



Fit two grey roof supports together then fit into building 'C' with long canopy support sticking out as shown so that the three supports on each side of the building all line up with each other.

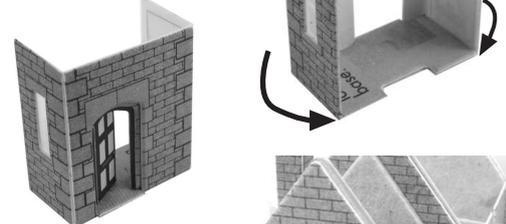


**Fig. 9. TOILET BUILDING.**

The most important bit if you've had a few before waiting for a train!

Fold the side walls around and fit to the base as with the other buildings.

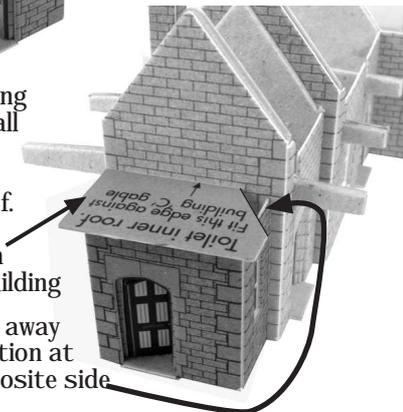
Fit the door when fast.



Fit toilet building to the gable wall of building 'C'. Then fit the small inner roof.

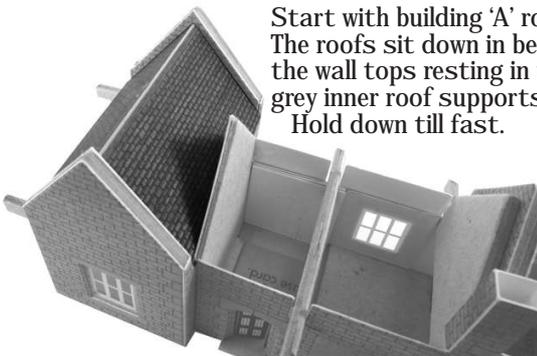
This edge flush to corner of building

Cut away section at opposite side

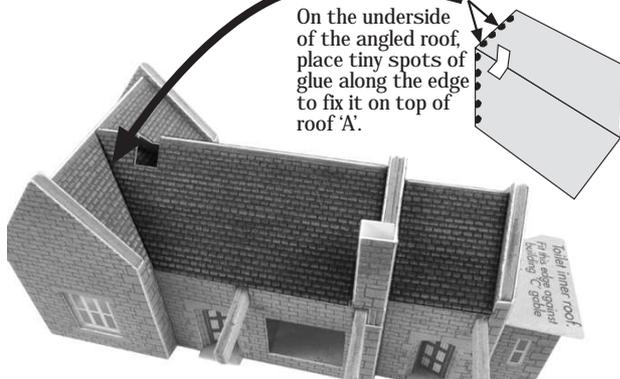


**Fig. 10. ROOF SECTIONS.**

Start with building 'A' roof. The roofs sit down in between the wall tops resting in the grey inner roof supports. Hold down till fast.



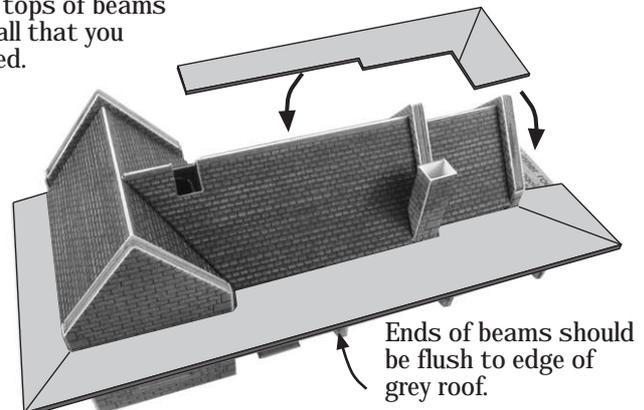
Follow on with the larger roof for building 'B' then 'C'



On the underside of the angled roof, place tiny spots of glue along the edge to fix it on top of roof 'A'.

**Fig. 11. CANOPY ROOF.**

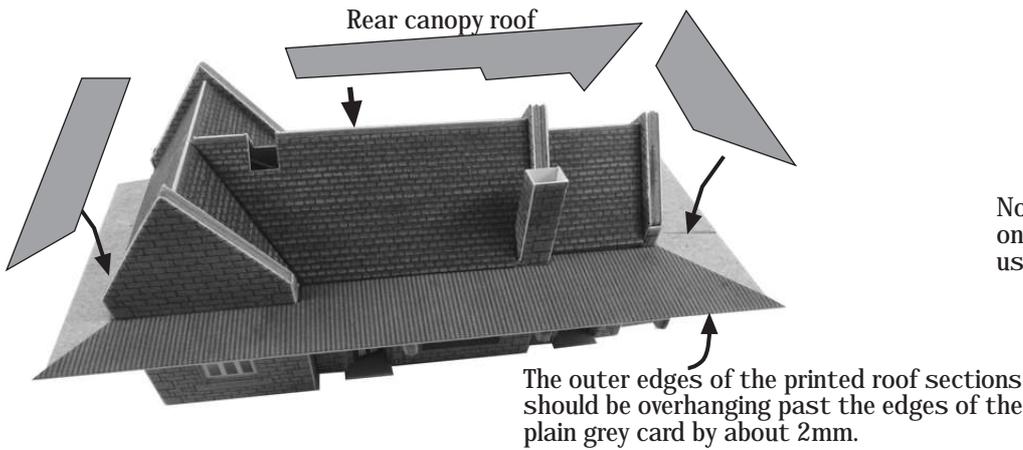
Fit the two grey lower roof units first. They both fit up against the walls sitting on the 8 support beams. Tiny spots of glue placed on tops of beams is all that you need.



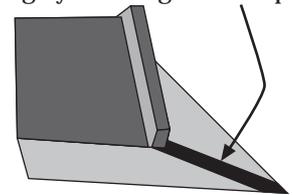
Ends of beams should be flush to edge of grey roof.

## Fig. 12. PRINTED CANOPY ROOF.

Attach the four roof sections starting with the longest front roof, followed by the two end units then the rear roof.  
Glue the grey card all over to stop the top sheets curling up at edges.

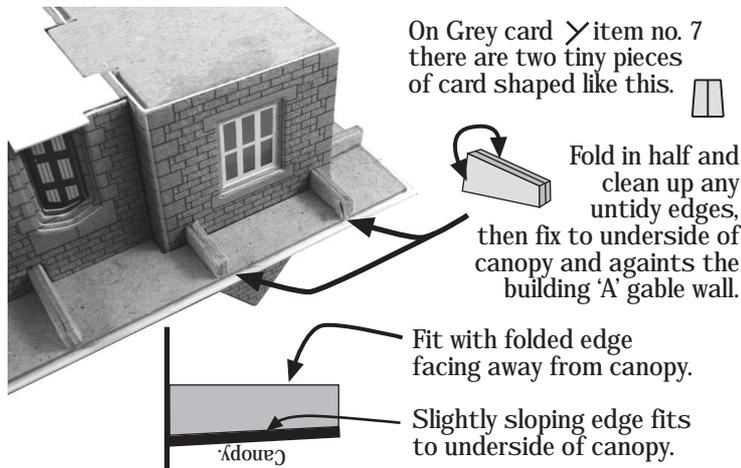


Note: You can cover the joints on the corners of the canopy using the grey roof ridge tile strips.

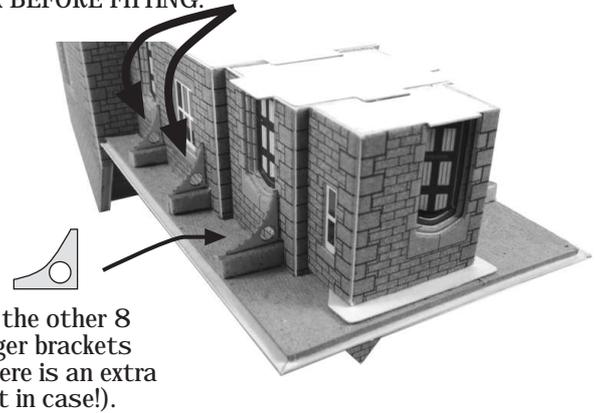


## Fig. 13. UNDERNEATH THE CANOPY.

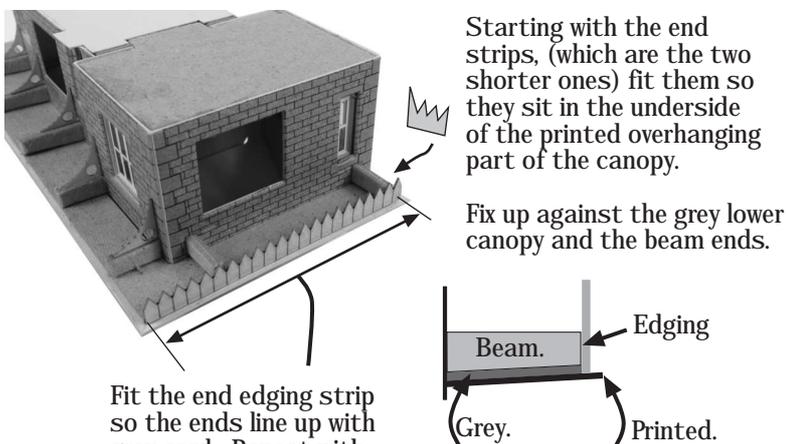
Turn building over and stand on work surface.



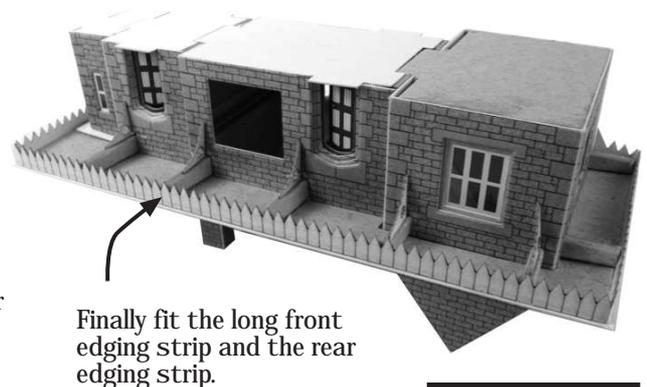
Fit the brackets next.  
PLEASE NOTE: There are two brackets that are slightly smaller than the rest. These fit to the two shortest canopy supports at the rear of the building  
CHECK BEFORE FITTING.



## Fig. 14. CANOPY EDGING.



Fit the end edging strip so the ends line up with grey card. Repeat with other end of building, then fit the short side piece shown above.



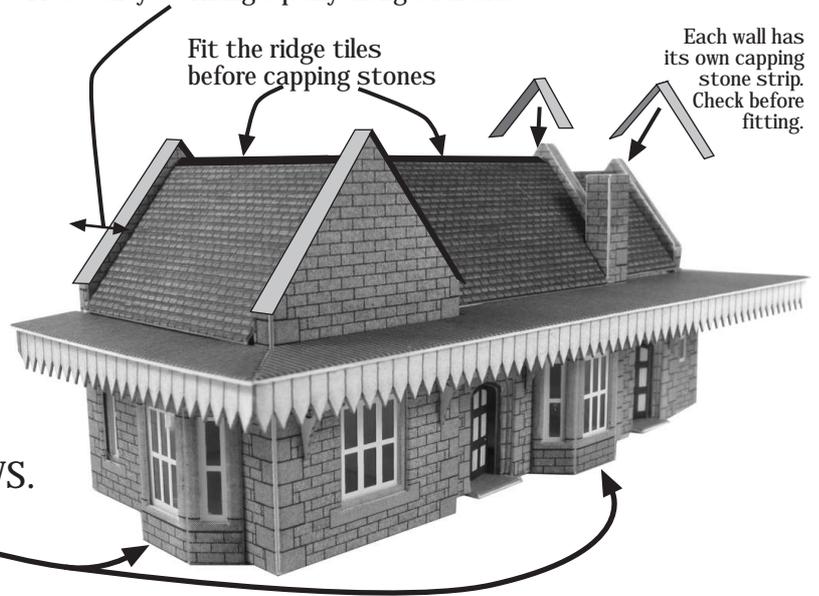
Alternative coloured doors and posters.



Fix doors to card and use instead, if you require GWR. colours

**Fig. 15. CAPPING STONES.**

Each gable wall is topped off with a capping stone strip. Fit so they overhang equally along each side.

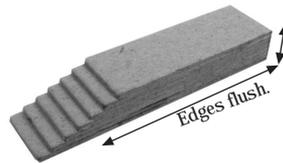


**Fig. 16. FIT THE BAY WINDOWS.**

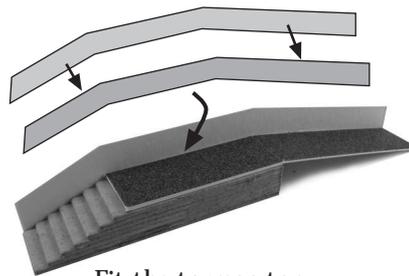
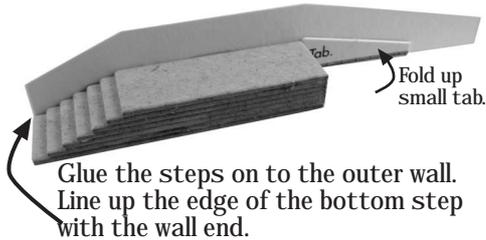
The two bay window units simply fit up to the walls covering the openings in buildings 'A' & 'B'.

**Fig. 17. PLATFORM RAMP/STEPS.**

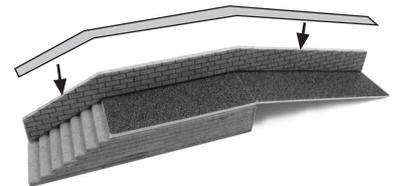
If you are using our PN135 platform kit to stand your station on You will need a way to get your little people up to platform height from street level. So we have included a small ramp-cum steps structure.



There are 7 grey strips (marked 6 on grey card) Glue one on top of the other with back and side edges flush

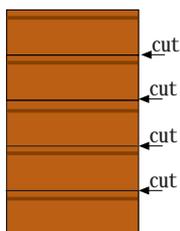


Finally, top off with the capping stone strip. Cut and shape to fit.

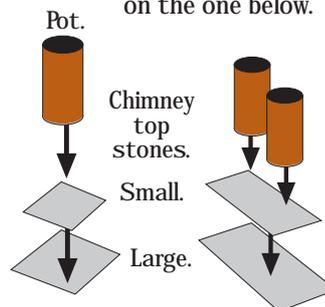


**Fig. 18. CHIMNEY POTS.**

Cut out the terracotta coloured strips below and roll tightly around a nail or drill bit (aprox. 4mm. dia.)



Roll up tight then unroll the end enough to smear with a little glue then roll back up and hold tight until fast.



Glue the two chimney top stones together as shown with each one centred on the one below.

When fast, attach the chimney pots and set to one side to dry thoroughly.

