

PN136 N GAUGE FOOTBRIDGE

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.

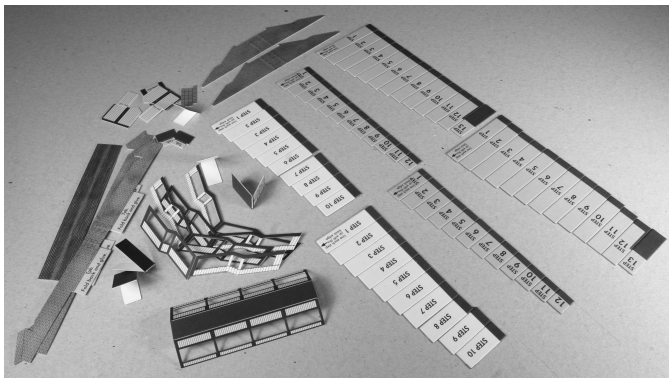
These are indicated with blue arrows:

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. →

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.



When extracting the components, take great care not to rip anything. You may need to clean up any edges that don't come clean away. Fold corners to loosen them up ready for use later on.

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

CHECK LIST

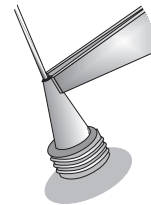
This kit pack should contain the following:

- 1 x SHEET A - Main bridge components.
- 1 x SHEET B - Various steps.
- 1 x GLAZING SHEET.
- 1 x INSTRUCTION SHEET.
- 1 x Ridge Tile Sheet.
- 1 x Extra stone 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.

Fig. 1. THE WINDOWS.

This is a fiddly bit! 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.

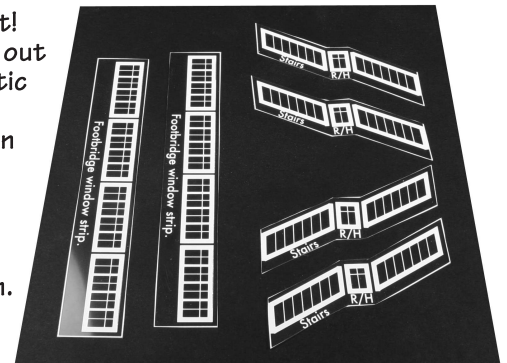
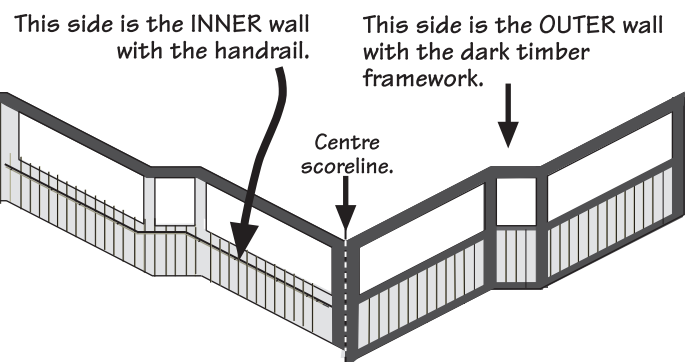


Fig. 2. Stairway UPPER WALLS.

DESCRIPTION.

There are 4 x upper wall sections (2 x right and 2 x left hand).



This is a right hand wall section. The left hand wall sections are just the same but the opposite way round.

The walls fold together on the centre scoreline with the glazing sandwiched in between.

Fig. 3. FIXING THE GLAZING.

The glazing needs to be fitted to the back of the OUTER wall.

First you need to identify the correct window. Remember, matt printed side facing out through the openings of outer wall. Take your time it can be confusing.

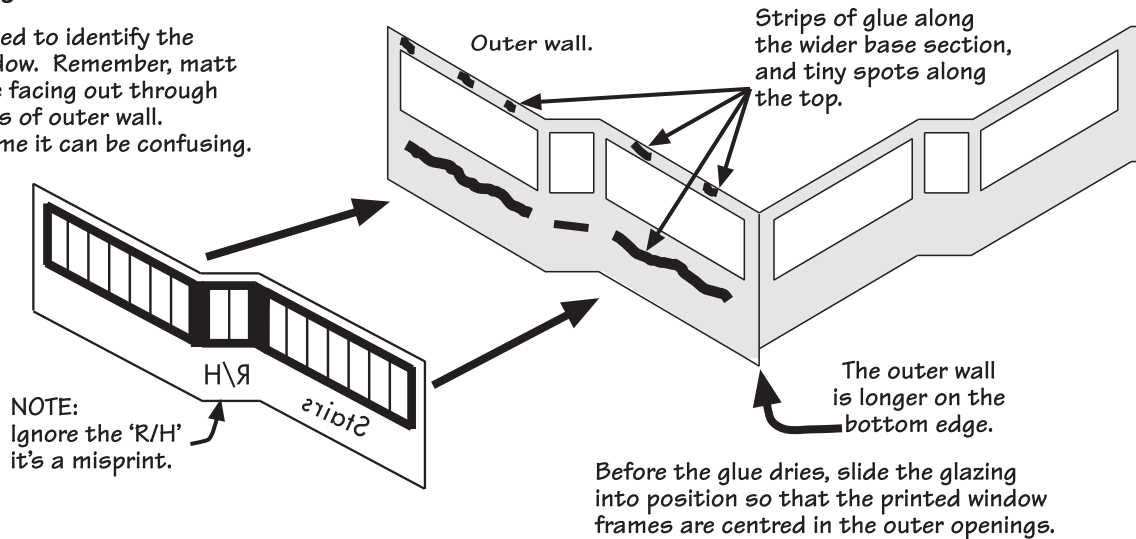
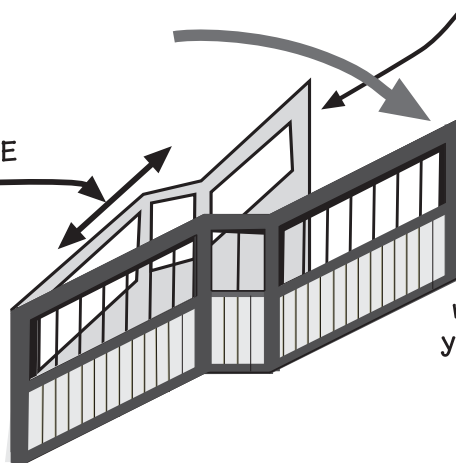


Fig. 4. FOLD THE TWO HALVES TOGETHER.

Fold the two halves of the wall unit together fixing with tiny spots of glue.

MAKING SURE THAT THE TOP EDGES LINE UP EXACTLY



This end of the inner wall should be a tiny fraction longer than the outer wall.

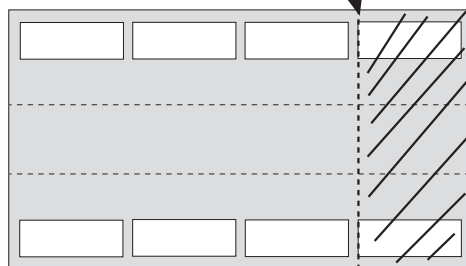
Repeat this process with the remaining three walls, then place them back in your builders yard until needed.

Fig. 5. THE BRIDGE.

HOW LONG DO YOU WANT YOUR BRIDGE ?

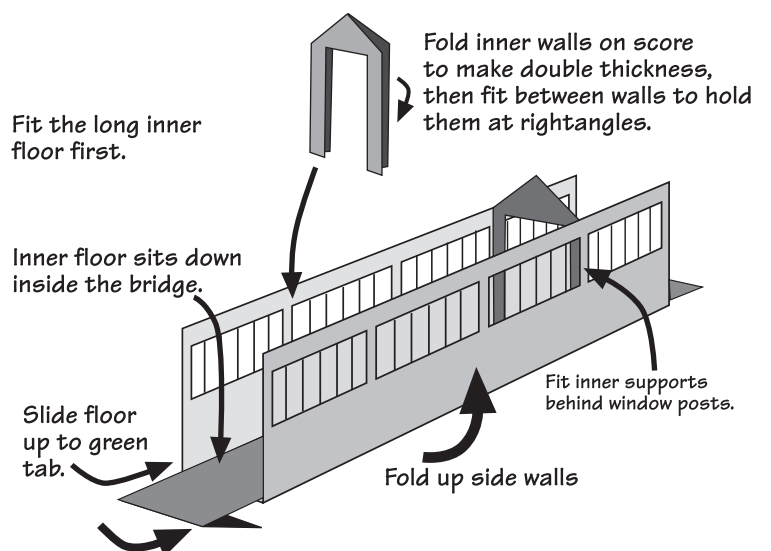
The bridge is long enough to span three tracks. If you want to cut it down to a two track bridge, you need to do it now

Place a rule to guide your knife, and cut up to the first window post.



Fit the two long glazing strips to the window openings with the matt printed sides facing out through the openings.

Fig. 6. BRIDGE FIT INNER FLOOR and INNER WALL SUPPORTS.



Fold the green tab back DON'T GLUE, then slide the floor so the tab butts up to the bridge base. When the floor is fixed to the bridge base, unfold the green tab and cut it off on the scoreline. The inner floor will now be sticking out equally at each end of the bridge.

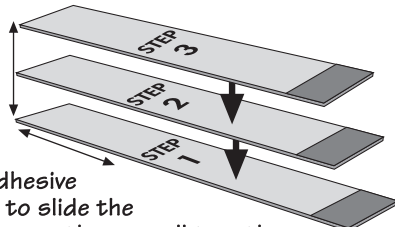
Fig. 7. STEPS.

On each side of the bridge there are three separate flights of steps. Each flight is a different colour and the steps are numbered in order of ascent starting with the bottom step.

START WITH THE BLUE STEPS

Starting with STEP 1, put a few spots of glue on the blue area and fix STEP 2 on top, then the same again and fit STEP 3, and so on.

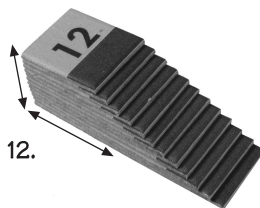
Line up the blue edges flush, so that the brown ends step back on each layer.



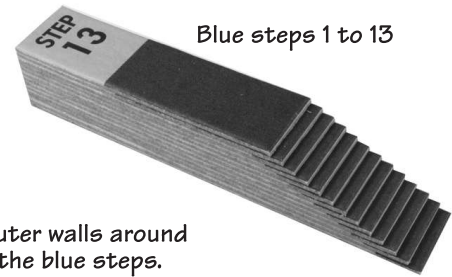
Don't use impact adhesive
You need to be able to slide the steps into position once they are all together.

Next, assemble the PINK set of steps in exactly the same way. Keeping the back and sides dead straight.

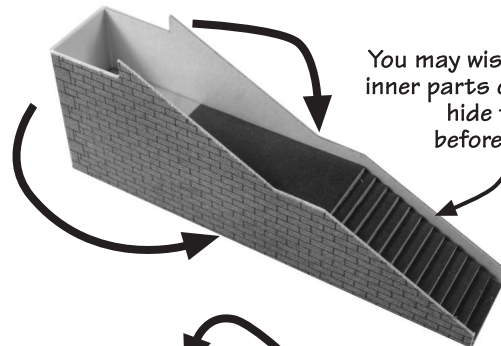
Pink steps 1 to 12.



Blue steps 1 to 13

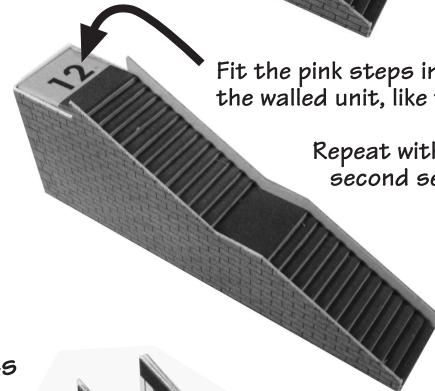


Fold the outer walls around and fix to the blue steps.



You may wish to paint the inner parts of the walls to hide the white card before fitting steps.

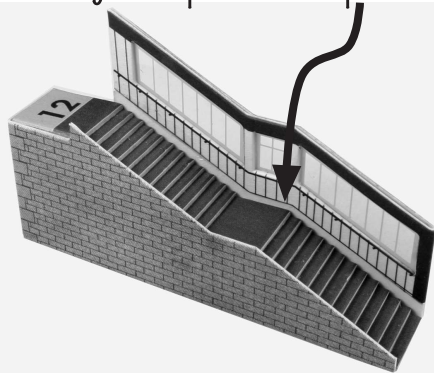
Fit the pink steps into the walled unit, like this.



Repeat with the second set of steps.

Fig. 8. SIDE WALLS SECTIONS.

Attach the side walls so that the inner part of the wall sits directly on top of the steps outer stone wall.



The outer part of the side wall is longer and hangs over the side of the stairs. This is the bit you fix to the wall.

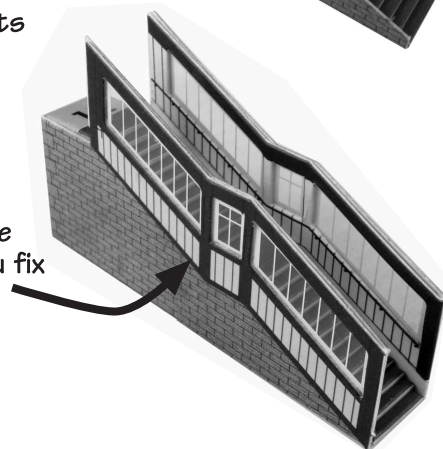
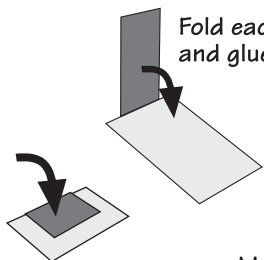


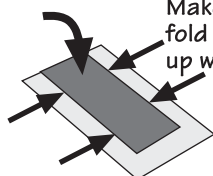
Fig. 9. STAIRS ROOF.

Each of the stairways has a roof that comes in three sections.

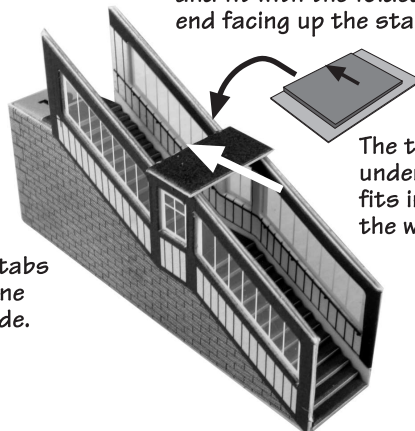
Fold each tab over and glue



Make sure the tabs fold straight, line up with each side.

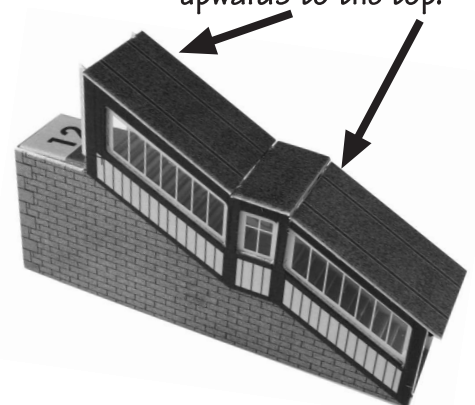


Fit the middle roof section first. Turn over and fit with the folded end facing up the stairs.



The tab on the underside of fits in between the walls.

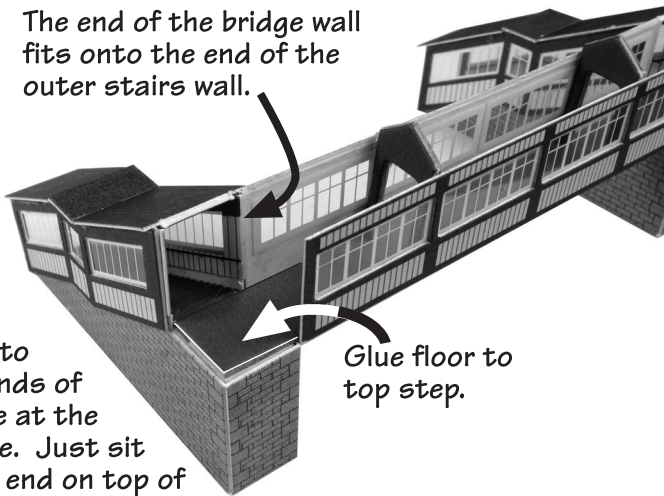
Fit the upper and lower roof sections with the arrows underneath pointing upwards to the top.



It is a good idea to paint the edges of the roof sections with very watered down grey watercolour paints before you fit them. Test the colour on waste card first.

Fig. 10. ATTACH THE BRIDGE.

The floor sticking out from the end of the bridge sits on the top step.

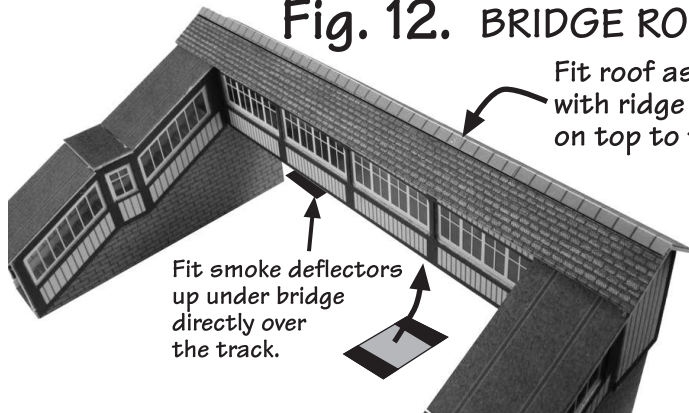


The end of the bridge wall fits onto the end of the outer stairs wall.

Don't try to fix both ends of the bridge at the same time. Just sit the other end on top of the steps to hold at correct height until this end is fast. Then fix the other end.

Glue floor to top step.

Fig. 12. BRIDGE ROOF.



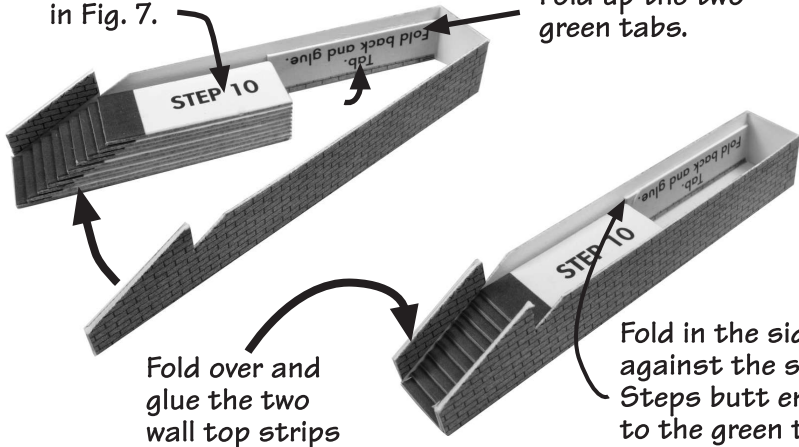
Fit roof as shown with ridge tile strip on top to finish it off.

Fit smoke deflectors up under bridge directly over the track.

Fig. 13. BASE STEPS.

The base steps are an optional extra only needed if you are standing the footbridge at trackbed level or need extra height.

Make the ten yellow steps up in the same way as described in Fig. 7.



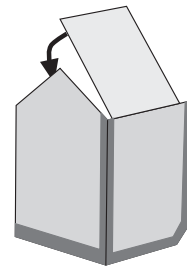
Fold up the two green tabs.

Fold over and glue the two wall top strips

Fold in the side walls against the steps. Steps butt ended up to the green tabs.

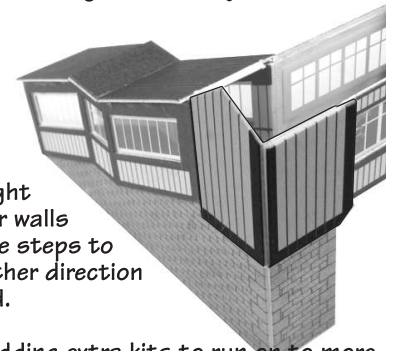
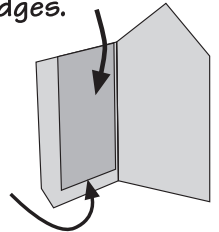
Fig. 11. CORNER WALLS.

This bit sits at the top of the stairs on the corner between the bridge and stairs walls.



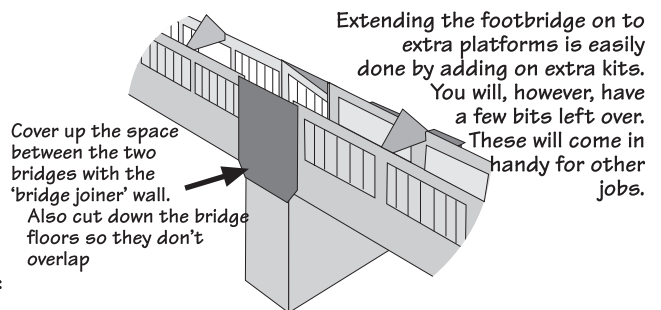
Fold over the inner wall and fix to back of outer wall, make sure it folds down square with other edges.

The inner wall is shorter and sits directly on top of the end wall of the steps. The outer walls fix to the stairs walls in same way as side walls. Test first without glue so that you understand how it fits.



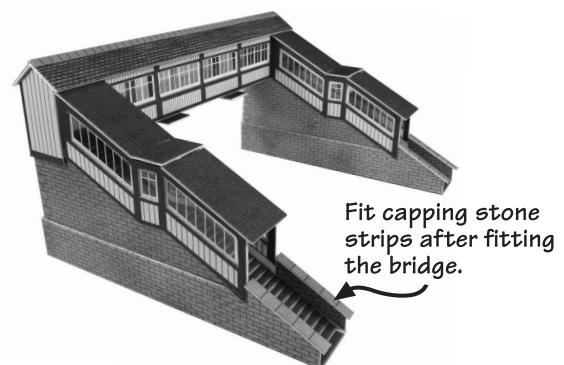
There are Left and right hand corner walls enabling the steps to run of in either direction at each end.

If you are adding extra kits to run on to more platforms there is a small joining wall to fill the gap between the bridges.



Extending the footbridge on to extra platforms is easily done by adding on extra kits. You will, however, have a few bits left over. These will come in handy for other jobs.

Cover up the space between the two bridges with the 'bridge joiner' wall. Also cut down the bridge floors so they don't overlap



Fit capping stone strips after fitting the bridge.

The bridge steps fit tightly inside the walls of the base unit, sitting on top of the yellow steps and the green tabs.

See back of pack for construction combination ideas when using with platforms.