

**Railway Arches  
INSTRUCTIONS**

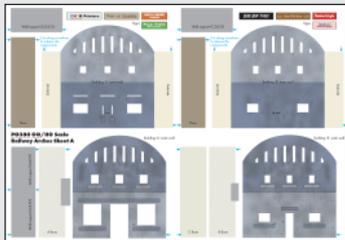
**PLEASE - PAY ATTENTION**  
Read through the instructions and familiarise yourself with the kit before you start any building. Follow these step by step instructions carefully to make this wonderfully detailed kit.

**Kit Component Check List**

The kit contains the following sheets

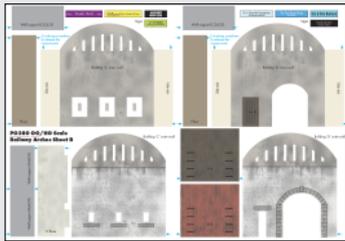
**Sheet A.**

Printed sheets with the components to buildings A & B



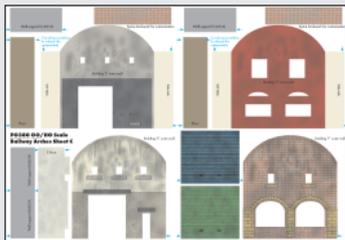
**Sheet B.**

Printed sheets with the components to buildings C & D



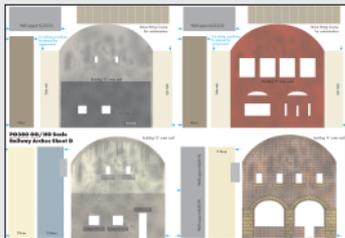
**Sheet C.**

Printed sheets with the components to buildings E & F



**Sheet D.**

Printed sheets with the components to buildings G & H



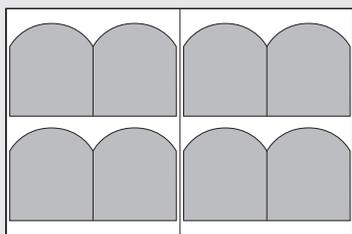
**Glazing sheet.**

Clear plastic glazing to fit behind the window openings.



**Strengthener sheet.**

A thick grey card with rear strengthening parts.



**PRE-BUILD PREPARATIONS**

**Tools you'll need to build this kit**

(all of which are available on our website:  
[www.metcalfe-models.com](http://www.metcalfe-models.com))

1. A modellers knife
2. A cutting mat
3. A steel ruler
4. A pair of fine pointed tweezers
5. Water colour paint set
6. Metcalfe ultra fine tipped glue applicator
7. Glue (see below)

**Glues**

We recommend using a combination of glues, Speed bond and Rokat card glue, both are produced by Deluxe materials.

**Rokat card glue** is an instant, fast drying glue which is great quickly securing components that require little positioning. It also comes with it's own fine tip applicator.

**Speed Bond** is a slightly slower drying glue which is ideal for the components where careful positioning is required.

**UHU solvent free** is also a great all round glue and is excellent for fixing the plastic windows.

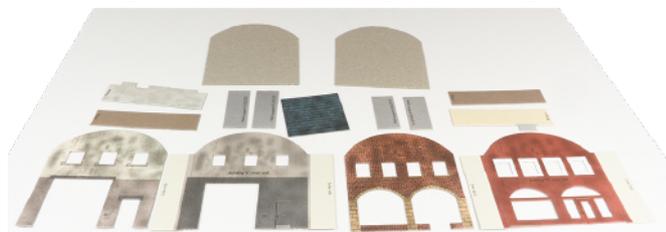
**Metcalfe ultra fine tipped glue applicator** is essential for applying small amounts of glue to the smaller components.

These bottles come in a pack of 3 and are best used with Speed Bond and UHU, simply unscrew the top and fill with the glue.



**Extracting the components**

To prevent the components from falling off the sheets they are held secure with scorelines, marked with a → These are cuts that only go about 75% of the way through the card. To release them carefully run the point of your knife along these scorelines and they will come seamlessly away, be very careful your blade does not run off the score and damage the components. Use a steel ruler as a guide especially if using a new sharp blade. Keep the components organised and away from your work area on a piece of card or tray that we will call your builders yard. Group together the parts for each building, an outer wall, an inner wall, a base, 2 wall supports, a floor and a strengthener back. For buildings D & E a large door.



**Windows**

Carefully cut out the windows along the outer white line from the glazing sheet, organise and place on a dark piece of card (so that you can see them and they don't get lost) and place within your builders yard until required.

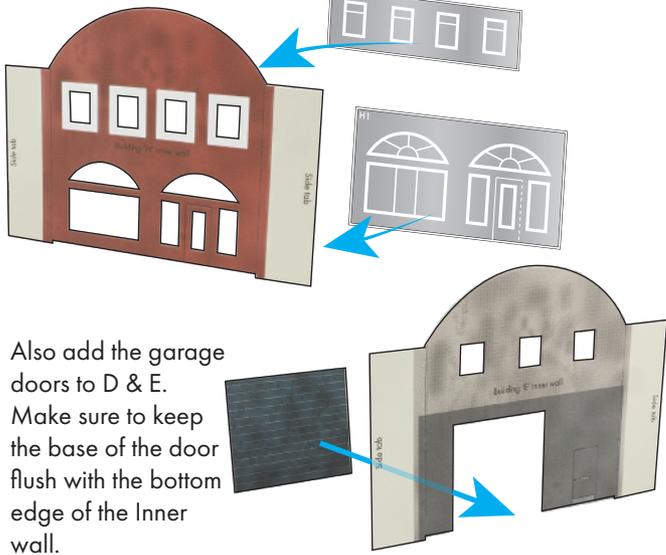


# LET'S START TO BUILD!

Each of the 8 buildings are built the same way.

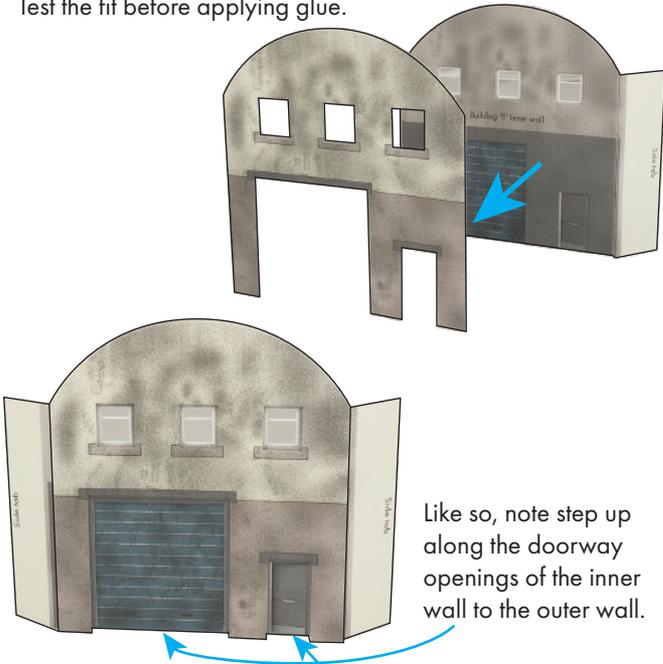
## 1 Main Walls

Start off by matching the windows to the corresponding inner walls, windows A to inner wall A etc. Carefully aligning the white window outlines with the openings.



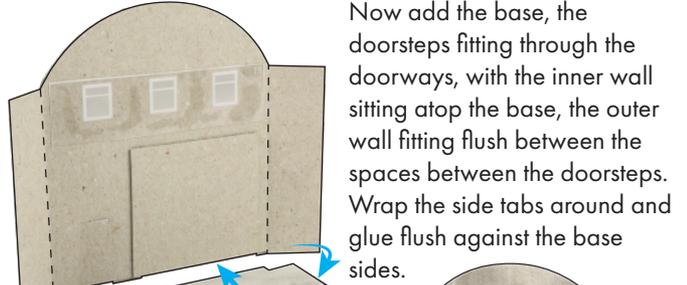
Also add the garage doors to D & E. Make sure to keep the base of the door flush with the bottom edge of the Inner wall.

Now add the inner walls to the outer walls. Keep the arched top edges flush. Fold the side tabs back 90 degrees, keeping the outer side edges flush with the side tabs. The bottom edge of the outer wall should be flush with the bottom edge of the side tabs and 1mm below the inner wall front. See below. Test the fit before applying glue.

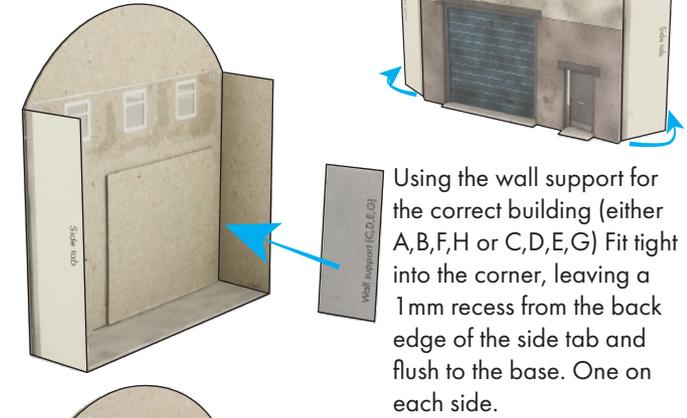


Like so, note step up along the doorway openings of the inner wall to the outer wall.

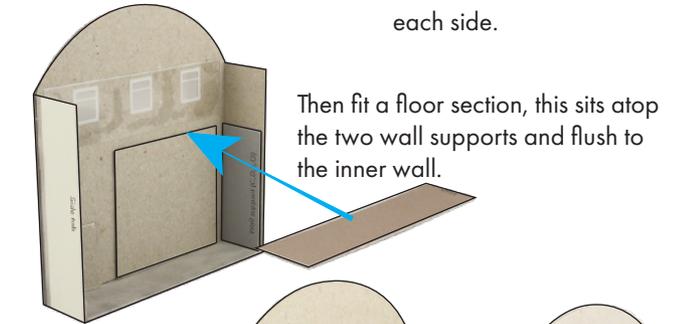
## 2 Internal Support



Now add the base, the doorsteps fitting through the doorways, with the inner wall sitting atop the base, the outer wall fitting flush between the spaces between the doorsteps. Wrap the side tabs around and glue flush against the base sides.

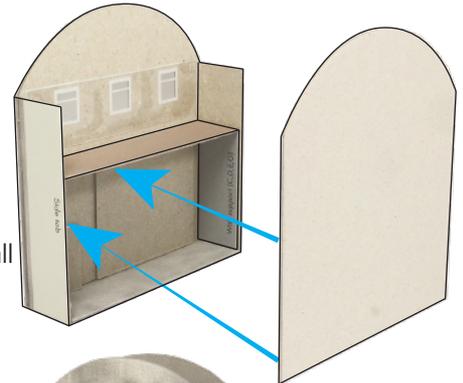


Using the wall support for the correct building (either A,B,F,H or C,D,E,G) Fit tight into the corner, leaving a 1mm recess from the back edge of the side tab and flush to the base. One on each side.



Then fit a floor section, this sits atop the two wall supports and flush to the inner wall.

Then fit a strengthener back, this sits flush on top of the base and against the side wall supports and floor.



Like so.



Add a sign and stone string for extra detail and slot into place in your viaduct.