

# Introduction

January 2020

## About

At ScaleCast we want to provide the best real stone products that go far beyond levels of detail, but also provide an easy and effective product set that help you achieve beautiful scenery that looks as real as possible

# Garage

Building plans for Brick style buildings from [www.scalecast.co.uk](http://www.scalecast.co.uk)



Main View



Side Views.

Our kits provide all the parts needed to make several different buildings and you can extend the designs by adding lots of new add on elements and variations, so as we work through the instructions that follow always keep in mind that nothing here is set in stone, you can replace many parts from our full range available

So, let's get planning and building .....

# Casting

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For casting we have several videos and instruction documents on our website, so will not cover this in any depth here.

Casting in plaster can be a little more of a challenge but in our opinion provide that real stone look and feel and we think is much better for painting and weathering.

Casting in resin is fast and much easier in some respects but you need to take much more care with the gluing and painting.

Why not try both and see what you like best.

## Starting with the parts

### Our Kits

You do not need all of our Brick Range to build this model, however you can always just add a few moulds to your set and extend the possibilities

### The moulds and parts

All our products are silicone and can be cast using either Tuffcast plaster or resins, so the parts themselves will be the same.

However, the gluing will be different, for plaster you should use a good PVA (also known as woodwork adhesive) and for resin parts you would use superglue.

For this model we used a wide range of moulds so we could show off as many part variations as possible, however as mentioned you could easily replace many of the windows and tile sections with the ones you prefer. So, for this build we use the following moulds.

**Moulds used in the making of this building are:- Brick 1 / Brick 2 / Brick 6 / Brick 7 / Brick 10/CM 10 Corrugated Roof Sheet.**

*(Note:- you can use whichever roof style you like from our range)*

**Remember, If you do not like our design you can change the layout of our plans, as all Scalecast moulds are inter changeable.**

**So, if you do not want the double door where our plan shows or any other door or window, simply exchange for a different tile**

Let's look at the individual moulds before we get started on the build.

It is suggested that you make all your parts so as soon as you start building you will have everything you need as you want it and it also gets you to a finished product quicker

### Did you know

When casting in stone you should spray the moulds with water mixed with a drop of washing up liquid.

The casts will look much better as the solution helps the casting mix flow into the mould.

Just get one of those spray misting type bottles, fill with water and add a few ml of washing up liquid, or you can use rinse aid which many people say works even better.

|   |   |
|---|---|
|   | <p><b>Brick 1</b></p> <p>This mould produces doors and windows and we use it on this build in several places</p> <p>KEY MOULD</p> |
|  | <p><b>Brick 2</b></p> <p>We use this mould for the double doors</p> <p>KEY MOULD</p>  |

## Painting

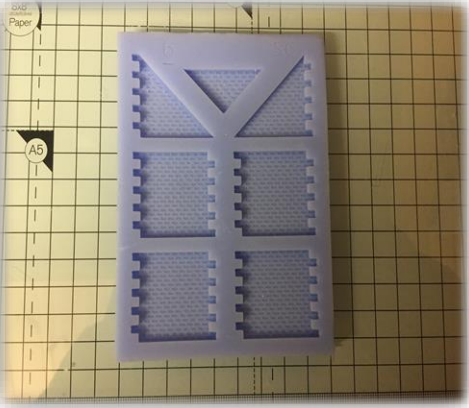
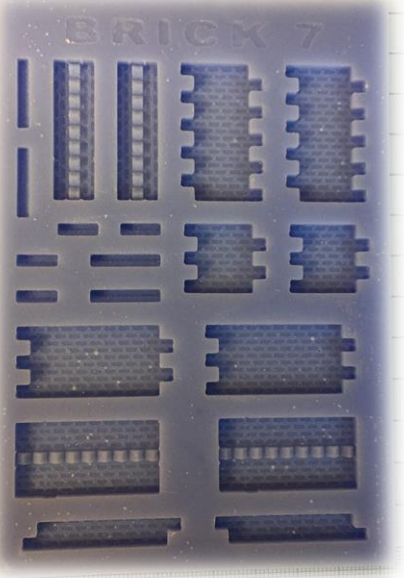
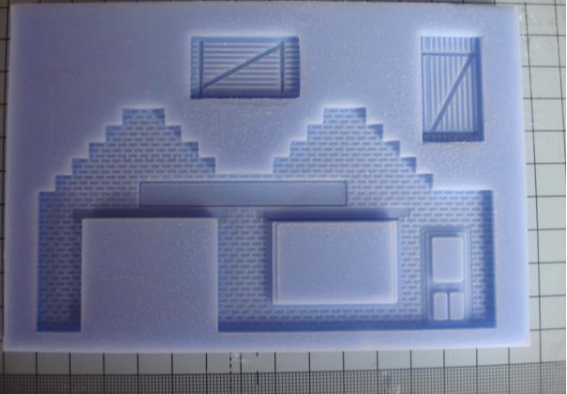
We recommend you use acrylic paints; you can mix 50/50 acrylic and water to thin the mix.

For best results create a thin mix and paint the whole building as this will ensure all the cracks are covered as well as cover any glue that may be on the face of the building.

Now you can mix the colour you want and paint the model.

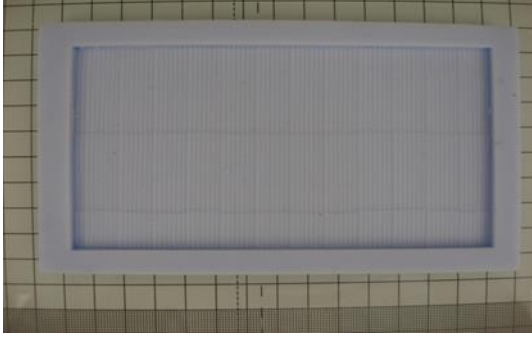
A little practice on a few spare parts is always the best way to test, so you can achieve the desired results.

We have several painting workshop articles on our sister website [www.linkaonline.co.uk](http://www.linkaonline.co.uk)

|  |   |
|--|---|
|    | <p><b>Brick 6</b></p> <p>We use this mould many times as it provides the main brick tiles as well as the end gables</p> <p><b>KEY MOULD</b></p> |
|   | <p><b>Brick 7</b></p> <p>This mould makes :-</p> <p>Half walls</p> <p>Fancy Brick sections</p> <p>Detailing pieces</p>                          |
|  | <p><b>Brick 10</b></p> <p>Garage front Wall mould</p>   |

## Inside Information

Did you know we have several areas where we post updates, we have several Facebook pages, we are also on twitter and you can subscribe to both our websites to get our newsletters and a host of other information

|  |  |
|--|--|
|  | <p>CM 10</p> <p>Corrugated Roof Sheet</p> <p>Note (You can use any of our roof sheets if you prefer)</p> |
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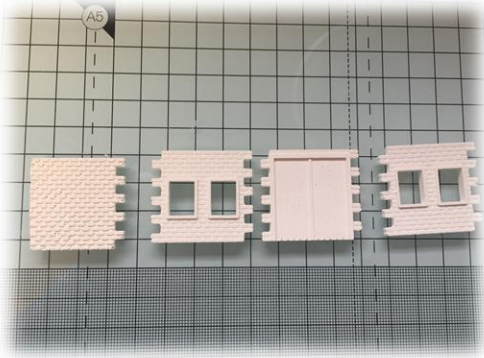
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*So now we have seen all the moulds and what they look like we can get on with a few plans and start our building*

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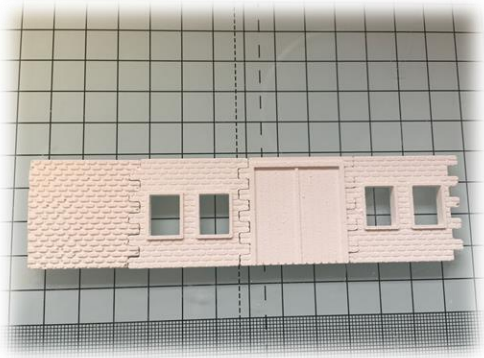
Note- It is a good idea to use a greaseproof paper or clingfilm on your worksurface as it stops any glue that may be on the surface sticking to your workbench.

When gluing the parts, place them face down on the surface as this ensures all the stone is kept perfectly inline, allow to dry and then turn the main parts face up as shown here.



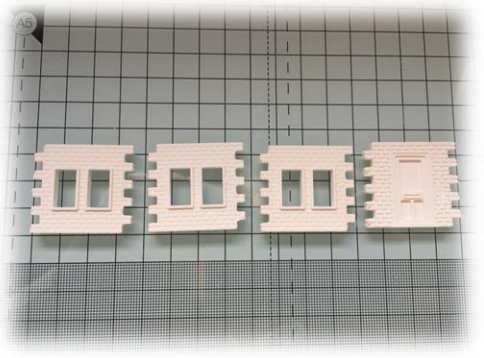
It is best to lay all your tiles out prior to building to ensure you like your design before gluing the pieces together.

This is the righthand wall. (looking from the front of the building)

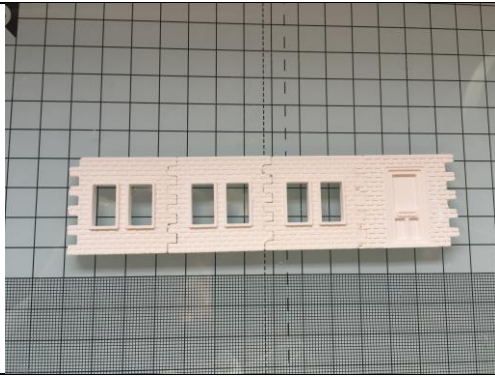


Remove the fingers from the far-left hand tile to fit to the front of the building.

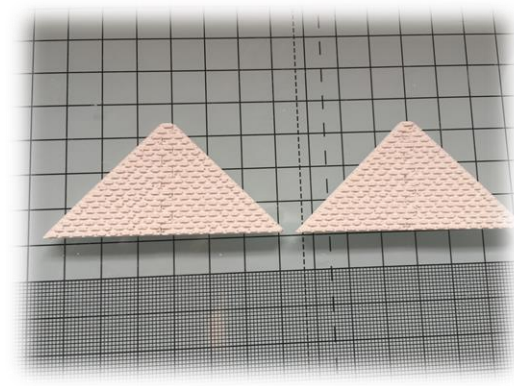
Note- If you are casting with plaster as shown here then you will use a good PVA and if your using resin parts then you need to use superglue



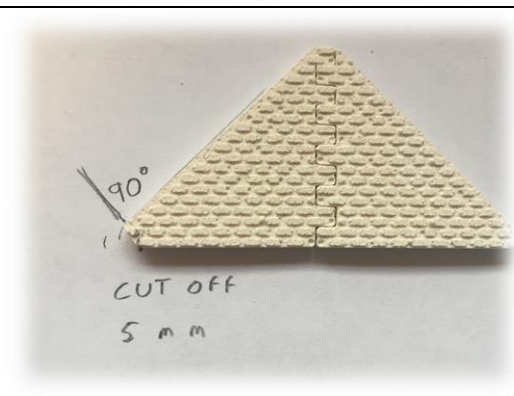
This is the rear wall.



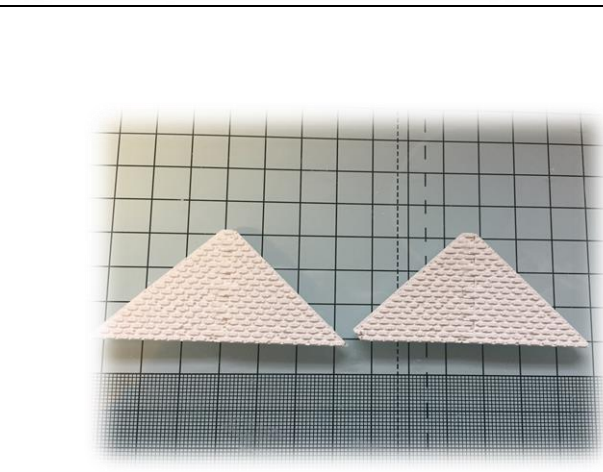
Don't worry if you have a few gaps in the fingers or joints as we will deal with them a little later.



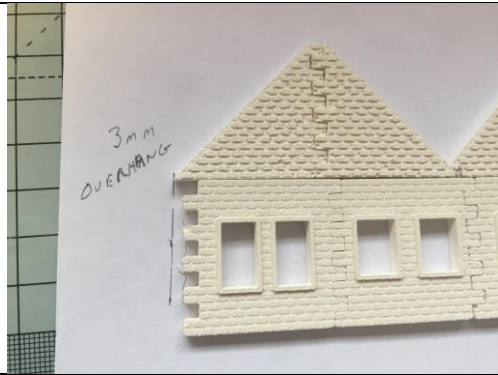
Take 2 pairs of roof apex pieces.



From one set  
cut one from the left side. 5mm from the point  
and at 90 degrees to the angled side as per  
picture.



The 2 pairs should look as per picture.

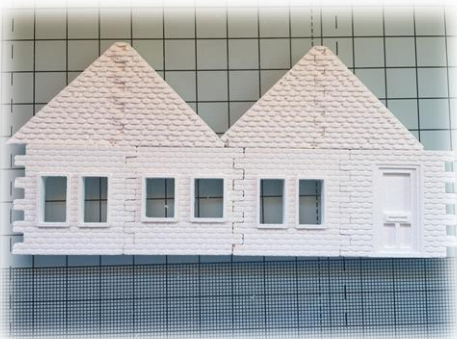
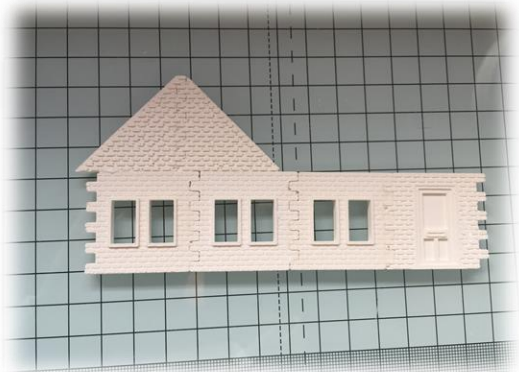


When gluing the apex pieces to the rear wall  
Overhang the left piece by 3mm.







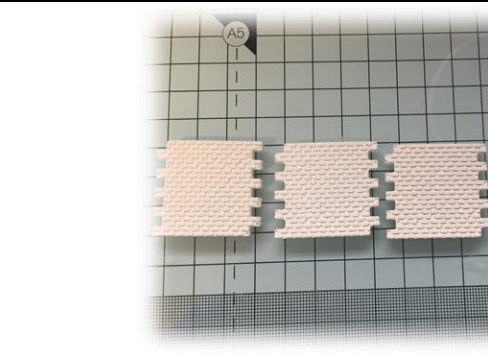
**TOP TIP....**

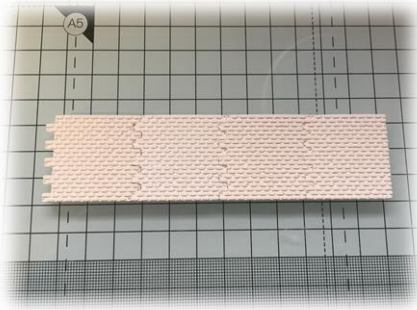
Most of our tiles are 3mm thick so a small piece laid up the side of the lower part should give the correct overhang.



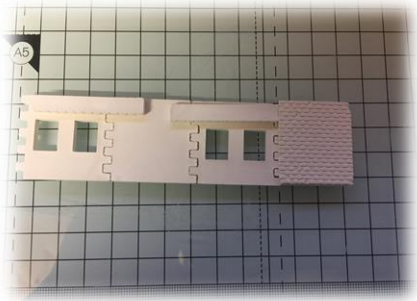
Completed rear wall.



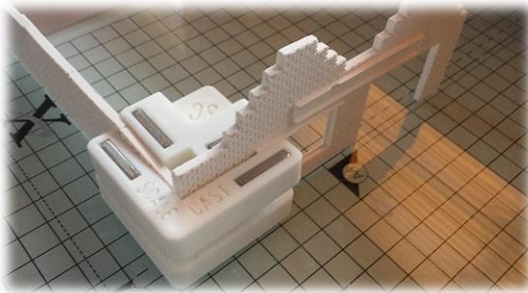
|  |   |
|--|---|
|    | <p>When the rear wall is dry, turn over and mark lines 3mm in from the apex edges as per picture,</p>   |
|    | <p>Then glue 2 small apex pieces on the lines.<br/>This will support the roof sheets.</p>   |
|   | <p>Repeat the process on the front wall.<br/>This time measure from the inner points of the castellations.<br/>As per the picture</p>               |
|  | <p>Then add the small apex pieces.</p>  |
|  | <p>This is the left side wall.<br/>Looking from the front of the building.<br/>Again, remove the fingers this time from the righthand end tile.</p> |



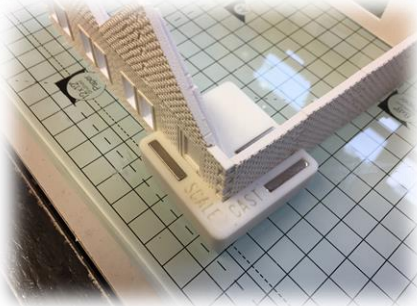
Glue together.



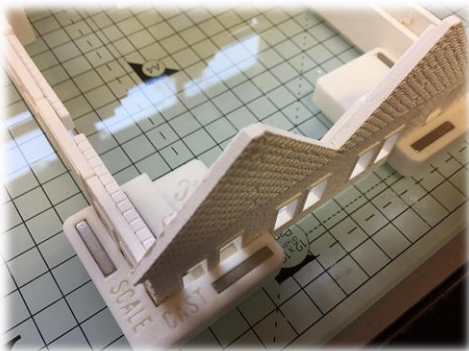
Now take a plain wall tile, cut the fingers off both ends, then glue this to the inside of the right-hand wall at the front end. Ensure that the front edge is level with the front edge of the right-hand wall. This will serve 2 purposes, 1) will re-enforce the corner, 2) when viewed through the doors it will look like a brick wall on the interior.



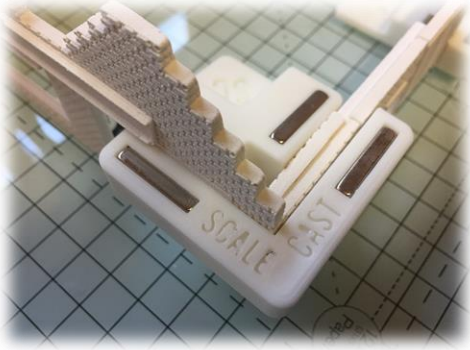
We can now start gluing the walls in place. We have started with the left-hand wall.



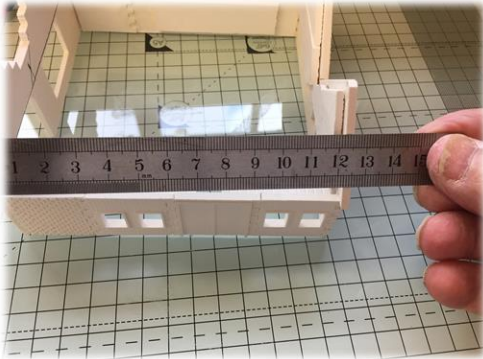
Next add the rear wall.



Now add the right-hand wall.

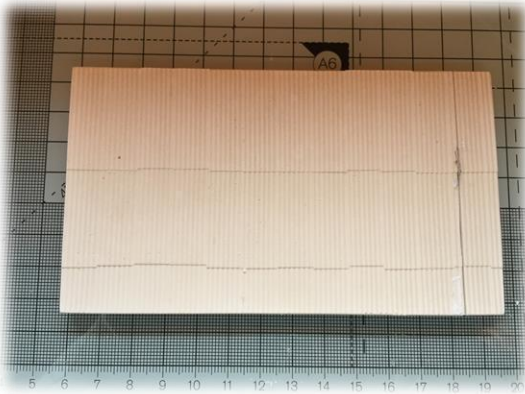


Finally glue the right-hand wall to the front wall.

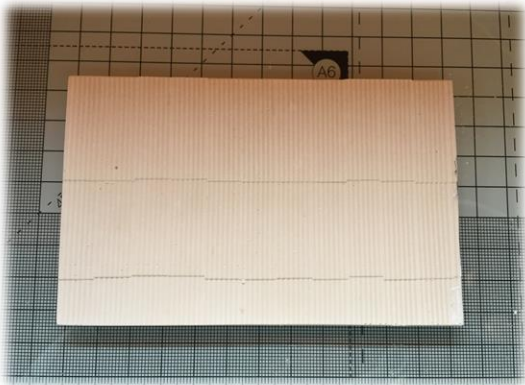


### Roof

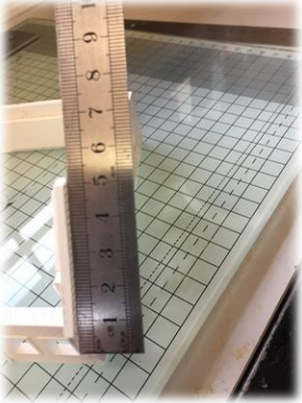

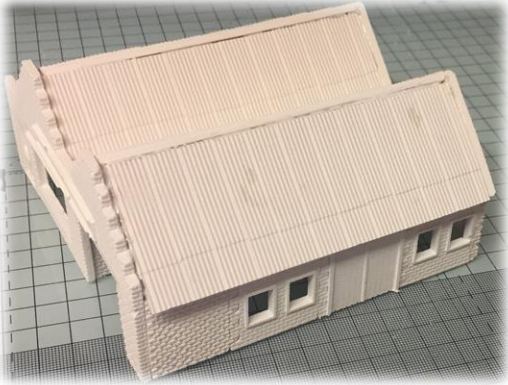
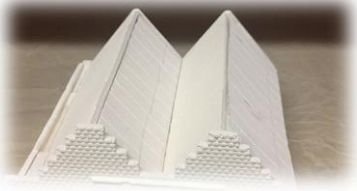
Carefully measure the distance between front and rear walls





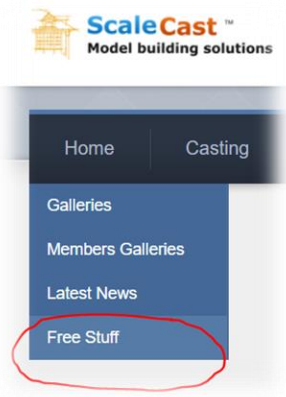


Mark this measurement on a full roof sheet.



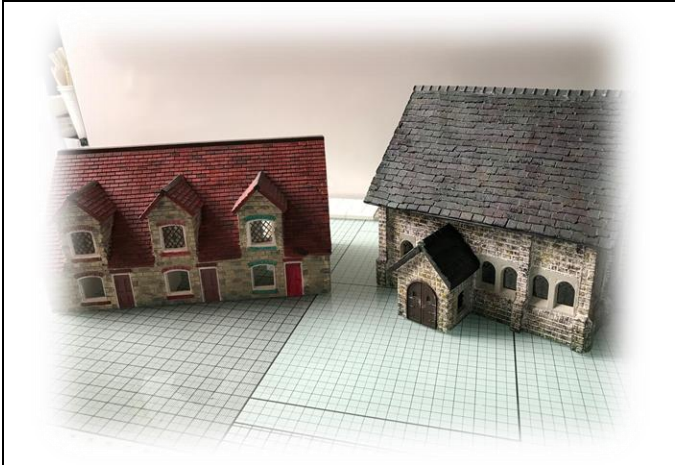
Cut to size.

|   |  |
|---|--|
|    | <p>Now measure the height of the wall piece.</p>   |
|    | <p>Glue to the building</p>  |
|   | <p>Repeat for the other pieces of roof.</p>  |
|    | <p>Complete the roof.</p>  |
| <p>Next we need to fill any gaps in the building</p>  | <p>If you place a small illuminated LED bulb inside the building it will show any holes or gaps. This is called Light Bleed.</p>               |
| <p>Take a small plastic pot or cup and put a small amount of water in it, then add some Tuffcast and mix to a wet creamy consistency.</p> | <p>Then turn the building upside down and using a small paint brush, slowly paint the mixture over all gaps on the inside of the building.</p> |

|   |  |
|---|--|
| <p>Allow the first coat to dry and test again with the light.</p>                   |  |
| <p>Continue to add the mixture until all gaps are sealed.</p>                       | <p><b>ALLOW EACH COAT TO DRY BEFORE ADDING THE NEXT.</b></p>   |
| <p>You should now be ready for the paint shop.</p>                                  | <p>Paint and weather your building to your taste.</p>  |
|    |    |
|   |   |
| <p>Add some of our drum kit parts, Posters, signs</p>                               | <p>and vehicles and your building will be complete.</p>  |
|  | <p><b>All our building plans are FREE.</b></p> <p>If you want more building plans, they are free to download on our website <a href="http://www.scalecast.co.uk">www.scalecast.co.uk</a></p> |
|   |  |

## Inspiration

The great thing is that you can make many variations as well as add several of our other mould products to extend on your ideas.



Adding to your collection of our range you can build literally hundreds of different buildings and the great thing is our moulds will last for many years.

Here is another building this time in stone that shows off our Victorian slate roof. So, by adding our other moulds to your collection you could make something like this.



Low Relief Stone Building



Terrace Houses



Village Shops



Water Wheel

We are continually extending our range of moulds so now you can build many more exciting realistic buildings. All you need is lots of casts and some imagination [www.scalecast.co.uk](http://www.scalecast.co.uk).

**All our moulds are in one place so you can find them easily**

<https://www.scalecast.co.uk>

Happy Building .....