

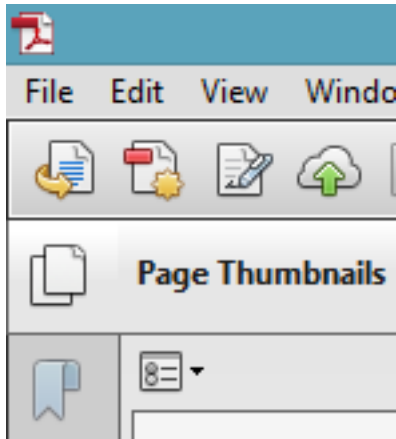
# Tutorial

Please read through this before assembling your buildings

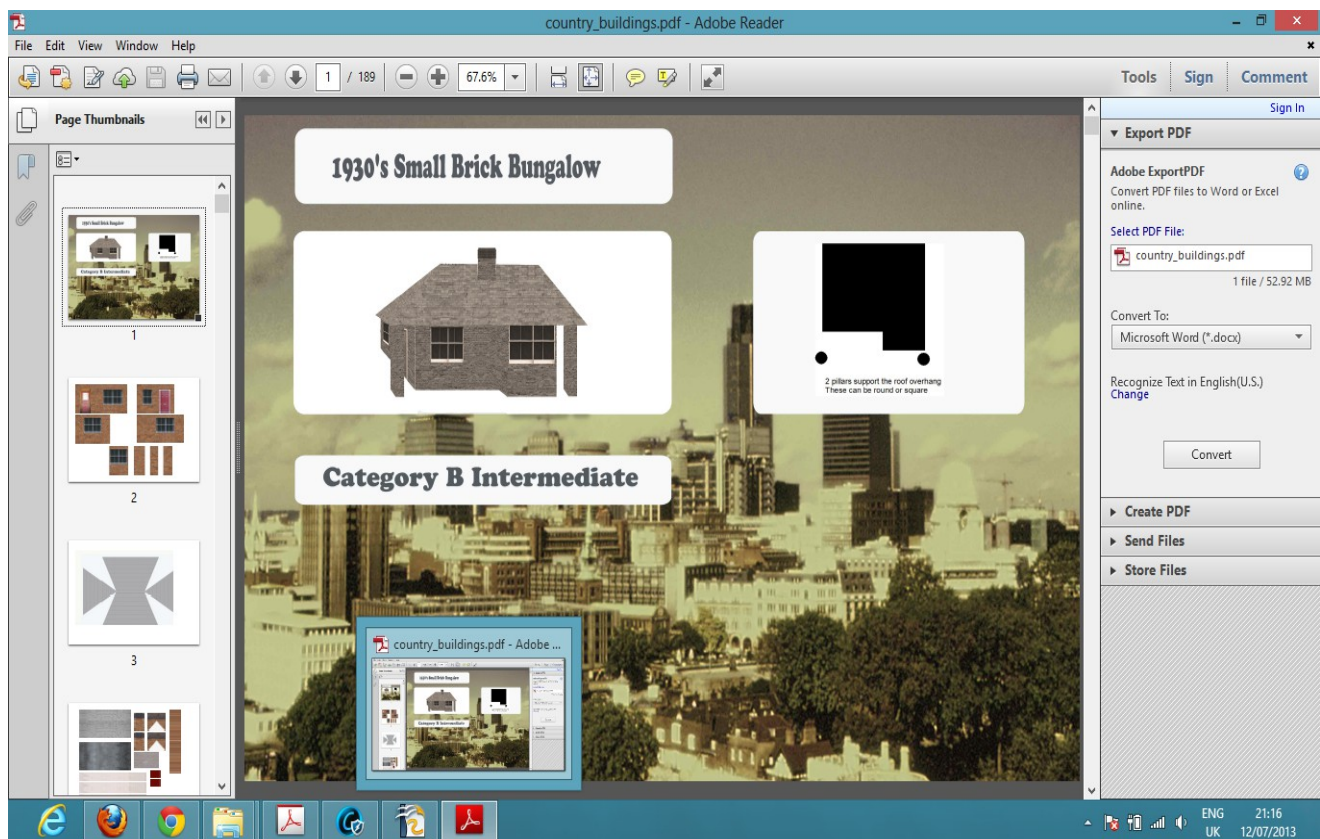
## Viewing the files

Nearly all computers can view pdf files. Most browsers are capable of viewing these files. However With the buildings files containing at least 100 pages they are best viewed in a reader such as acrobat reader from Adobe. If you do not have this program it can be downloaded, a link is available in our download page.

Open up the reader program then open the buildings file. Just below the File Menu on the left hand side is a button that open's the page thumbnails:-



If this is not opened then open it now as it make navigating through large documents a lot easier. Once opened the page should look something like what is shown below:-

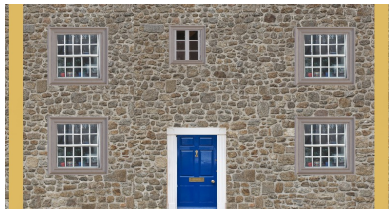


Using the thumbnails you can scroll through the buildings quickly and pick out buildings you would like to build.

There is a variety of ways these building can be built, you can simply print out onto paper and back with cardboard. However for this tutorial we are going to use the materials that give the best results, that is printing onto photo paper and backing with plasticard and strengthened with balsa wood.

For this you will need, a reasonable quality printer (most modern printers give good results). Ordinary A4 paper and photo paper. Plasticard. Square Balsa strips, suitable glue, a craft knife, fixative from an art shop or as a cheaper alternative hair spray (try this first on a print out before spaying an assembled building).

To start with print out the front and back walls of your chosen building on normal A4 paper. Paste these to a sheet of plasticard and allow to dry. Once dry cut these out with a craft knife.



Cut out 2 pieces of Balsa the height of the building as shown left. Then 2 further pieces as cross members to join these 2 leaving about 2 mm at the edge . Arrange one across the top and the other along the middle as shown below.

Cut 2 further pieces to fit between the mid cross-member and the bottom of the building, then 2 to fit from the end of the building to between the door and the window as shown below:-

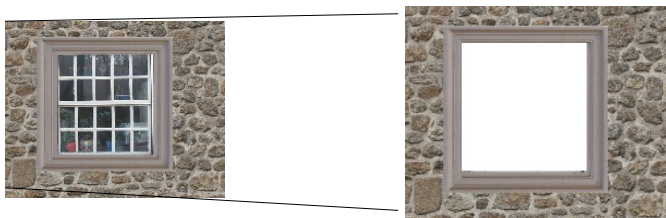


Cut out the windows and door(s) the assemble and paste the balsa to the back of the building. A further cross-member can be added to the bottom running the length of the building to add further strength.

Print out the window sides and arrange around the edge of the plasticard at each window and door

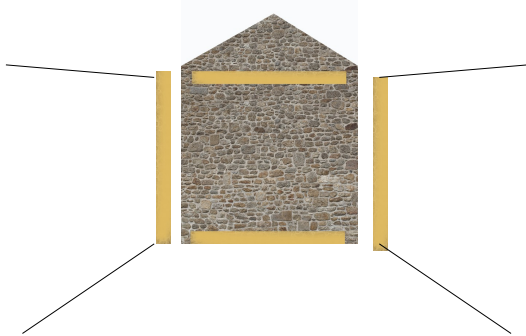
Print out another copy of the front and rear walls this time on photo paper. Cut out each window and some of the surrounding wall as shown below:-

Add plasticard to the back for extra strengthening then line up with the window edges and glue into place



# Main Building

Print out the gable ends and back with plasticard arrange these with the front and back walls, cut 2 pieces of balsa to fit as cross-members top and bottom.



Cut out 2 further pieces of Balsa as roof supports as shown below:-

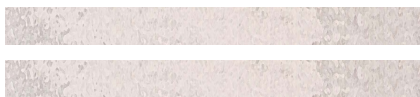


Paste these to the back of the gable the assemble the building by joining the gable with the front and back walls.

Once assembled add at least 2 more cross-members of Balsa to support the roof.

For the best finish print out the walls and gables onto photo paper after cutting out and doors and windows paste to the outside of the building. Spray with fixative or hair spray to protect the print.

If desired window sills can be added. Print these out if not already done so. Cut out a piece of plasticard the desired size and paste the print outs onto these and paste below the windows.



Window Sills



Window Sides



Stair Wall

## Steps

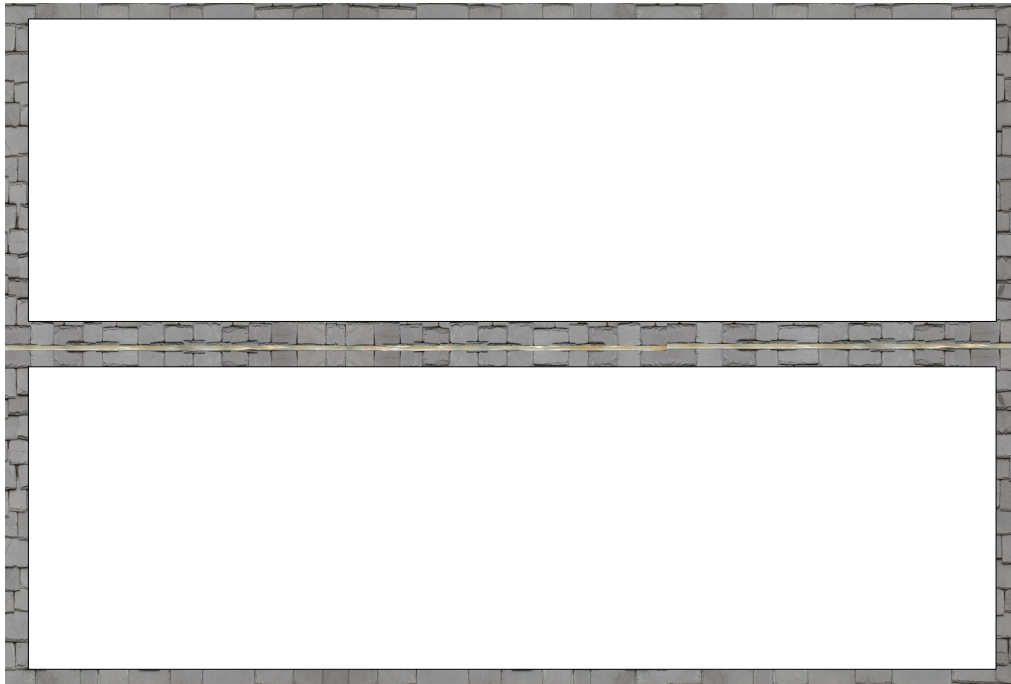
The odd buildings have outside stairs, these usually have a stair wall which folds over to become double sided. The stairs can be made from balsa and arranged as below:-



Once assembled the stair printout (below) can be glued over the balsa to complete the stairs



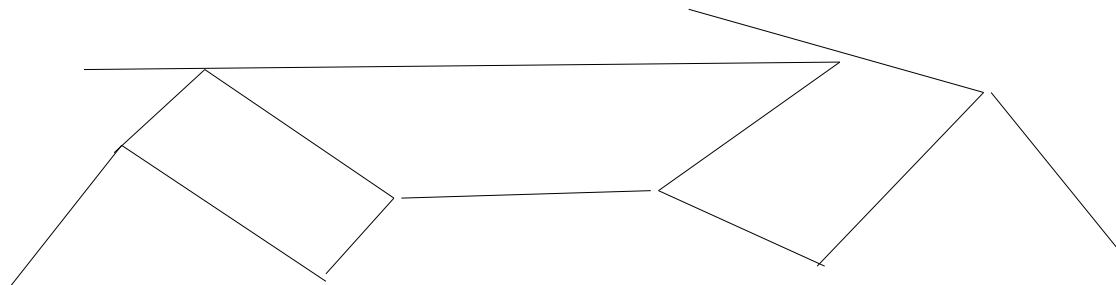
Print out the roof on photo paper, cut 2 pieces of plasticard just slightly smaller than each roof half, but large enough to fit over the building with a small over hang on the 3 sides and just off the middle as shown below:-



Fold the excess underneath the plasticard then attach to the building and spray with fixative.

Chimneys can now be added these should be cut out and pasted to plasticard. The top has excess similar to the roof which should be pasted underneath the card before assembly. Pots should be rolled and pasted in place. Chimneys can be placed at any desired location along the roof top.

Where the building contains a gable roof or similar extension the plasticard should be glued in place before adding the printouts as shown below:-



You need not keep to the suggested form of any building. New designs can be made by adding extensions and parts from other buildings to create your own design.

More building designs are available to download at our web site:-

[www.modelrailwaybuildings.com](http://www.modelrailwaybuildings.com)