

SPOOKY HOUSE

BUILDING INSTRUCTIONS



INTRODUCTION

Build yourself a **Spooky House Clock** inspired by the Norman Bates mansion from the movie Psycho. This clock is the perfect woodworking craft project and will look really great in your home or for your Halloween horror display. It's pretty easy to make using common workshop tools and basic woodworking skills. Plans come as digital PDF files containing detailed instructions on how to cut and assemble the components of the clock. We also give you full sized paper templates to help with the cutting out process. We also supply detailed A4 artwork for you to print out and apply to the outside surface of the clock. You simply supply the wood, the glue and the clock movement and we provide everything else. You can see from the photographs that very good results can be obtained with a little bit of time and effort. If you are an experienced woodworker with a scrollsaw (or bandsaw) and a sander, you can have all the pieces cut out and sanded, ready for assembly, in a couple of hours. The whole process of cutting, assembly, painting and applying graphics can easily be completed in a couple of weekends.

Files Supplied

Your download package contains the following files:-

01-instructions.pdf	(This file)
02-templates.pdf	(A4 Paper templates to help make the pieces)
03-graphics-walls.pdf	(A4 Colour graphics for the walls of the clock)
04-graphics-roof.pdf	(A4 Colour graphics for the roof of the clock)

Materials Required

- 5 x A3 sheets of 3mm MDF sheet (approx)
- 1 x 60ml tube of UHU glue
- 1 x 22g Pritt Stick
- 1 x 80 mm Clock insert (see notes below)
- Inkjet printer paper

Notes about the clock movement.

The clock insert must have an outside diameter of 80mm and an internal clock size of less than 75mm or it will not be correct for this clock. There are a number of suppliers of these type of units and they are readily available on Amazon and eBay.

NB. Clock insert movements are designed to fit into a circular hole with a simple push fit. Because they come in different designs and sizes, and we have no way of knowing which type of movement you have purchased, we have not marked the exact insert hole size on the templates. We have however, marked the suggested OUTSIDE diameter of the clock and the CENTRE point of the clock on the templates. You will have to measure the internal size of your own clock insert and then cut your insertion hole at the correct size to suit the movement that you have purchased

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INSTRUCTIONS

The **Spooky House** clock is not difficult to make as long as you cut out the pieces accurately and fix the graphics carefully. However, the quality of the finished product will depend on how skilfully you make and assemble the component items.

STEP 1 – PRINT THE TEMPLATES

Using your home printer with A4 plain paper, print out the file **02-TEMPLATES.PDF** in landscape format. This will print full sized templates for the clock components. If you are printing from the Adobe Acrobat reader program, make sure that you have set the print output to be **actual size** or you will get incorrectly sized templates. You can check that everything is sized correctly by checking the test square on the first page of the templates. It should measure exactly 5 cm square.

Once you are happy that the template printouts are scaled correctly, cut them out with scissors (as close to the lines as possible) and glue them to the 3mm MDF sheets. Arrange them carefully to minimise wastage. I would recommend Pritt Stick or something similar to stick them onto the MDF. Make sure that you fix them securely, especially under the cut lines, as the scroll saw action can lift the templates off the MDF when cutting.

STEP 2 - CUT & SAND THE COMPONENT PIECES

When your templates are all glued securely, cut out the component pieces carefully with the scroll saw (as close to the lines as possible) and then sand accurately to the lines. Some pieces (mostly roof pieces) will need bevelling at 45 degrees on one, or all, of their edges. The edges that need bevelling are marked on the templates. Be accurate with your cutting and sanding as this will affect the fit of the parts when you start to assemble.

STEP 3 - ASSEMBLY

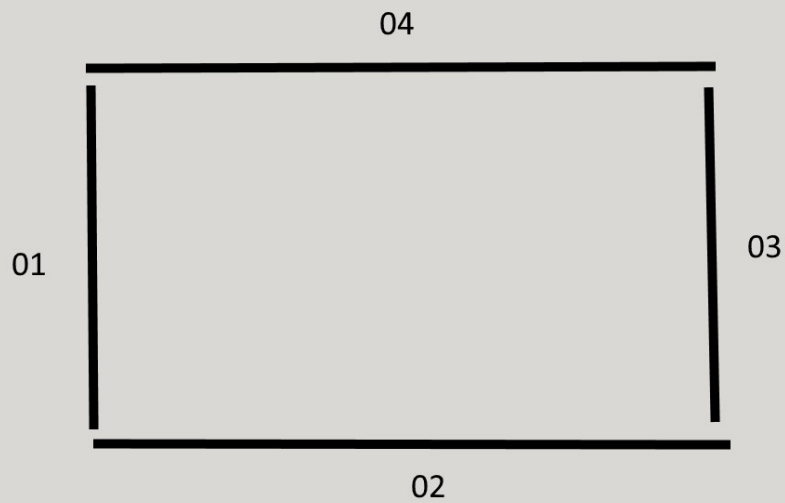
Before you assemble the components remove the paper templates by dabbing them with a damp cloth. This will loosen the glue. Don't use too much water as the MDF will soak it up. Make a note of the numbers on the templates which identify each piece. You can write the identifying numbers on the MDF pieces with a marker pen.

Using the UHU glue, start to assemble the clock starting with the base piece, then building up the walls around the base. Refer to the assembly drawings on the following pages so you know which parts go where and in which order. Make sure that everything is square when gluing.

The roof is a bit more difficult as the pieces are bevelled and the roof has many odd angles. Again, refer to the photographs and assembly diagrams to check that you have got everything in the right place.

ASSEMBLY 1 – BASE UNIT

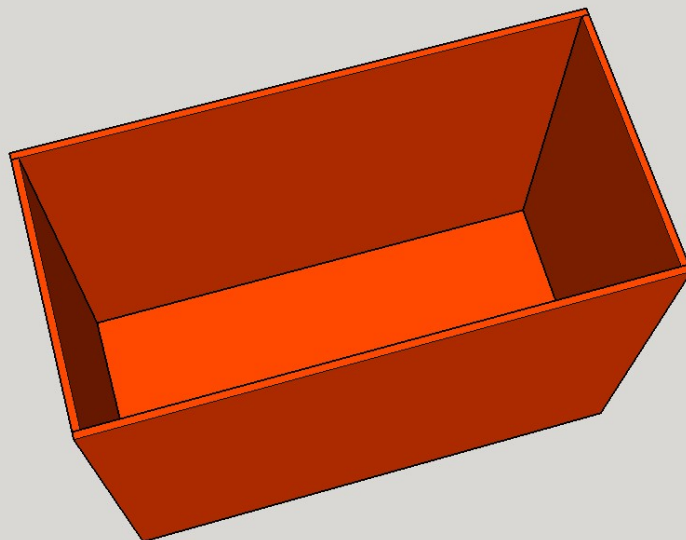
The **base unit** pieces are numbered to aid assembly



Glue them together around the base piece, 00, in the sequence shown making sure that all edges are square

ASSEMBLY 2 – BASE UNIT

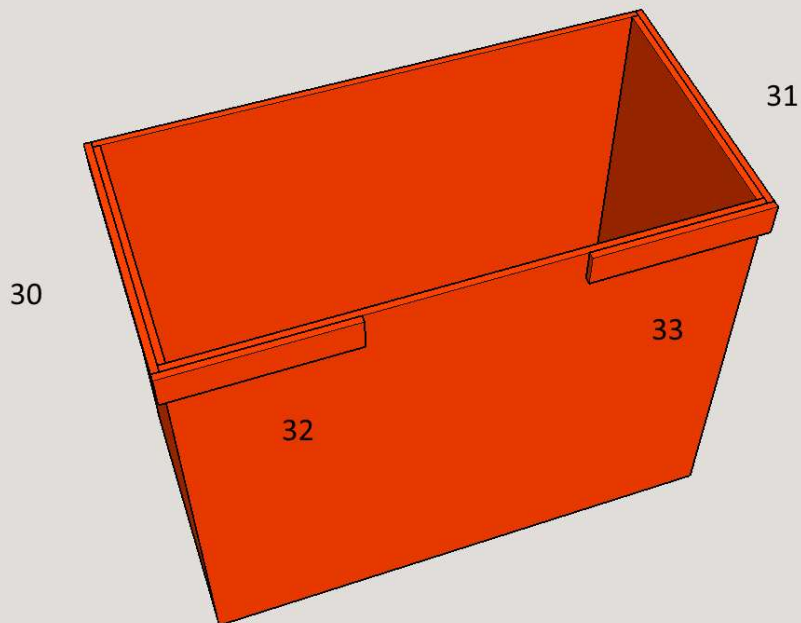
The finished **base unit**



Parts 00, 01, 02 03
and 04 make up the
base unit

ASSEMBLY 3 – CORNICE PIECES

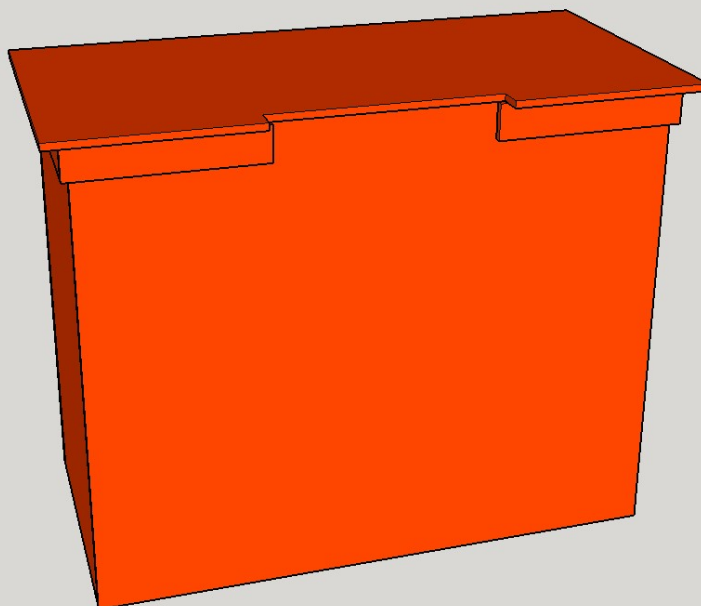
Fix the **cornice** pieces around the top of the base unit as shown



Cornice pieces are 30, 31, 32, and 33

ASSEMBLY 4 – HOUSE TOP

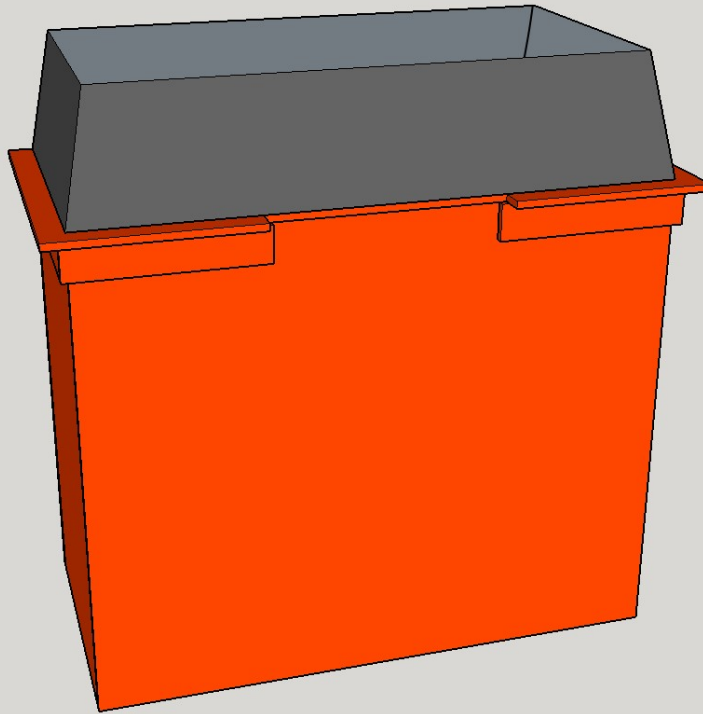
Fit the **house top**, part 05, flush at the back and overhanging equally on both sides



ASSEMBLY 5 – HOUSE ROOF

Construct the **House Roof** from pieces 15, 16, 17, and 18

The roof pieces will need bevelling 45 degrees on the inside edge to make them fit correctly.

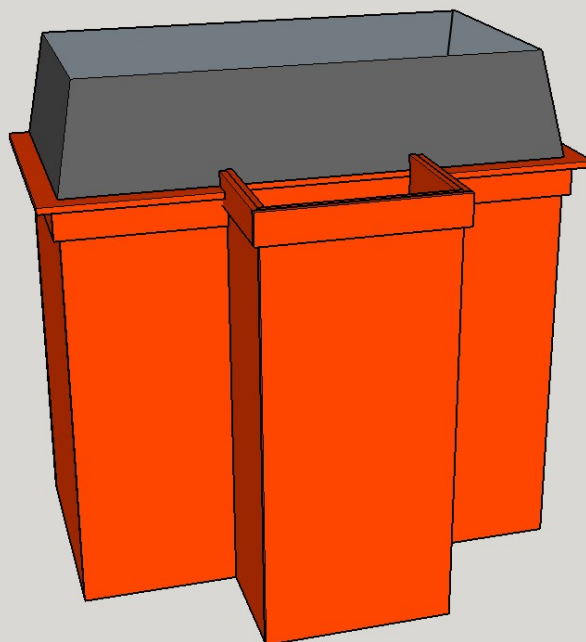


ASSEMBLY 6 – TOWER

Fix the tower in place on the main unit as shown and also fix the tower cornice pieces

The tower is made from 06, 07 and 08 and the tower cornice pieces are 34, 35 and 36

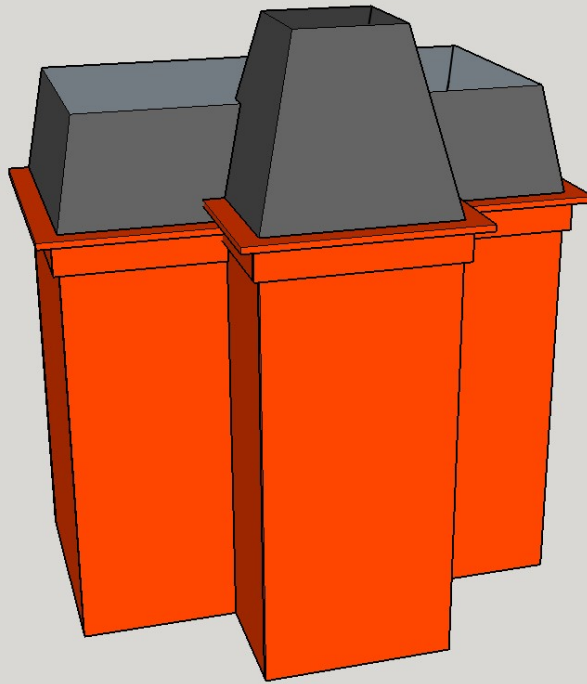
NB. 36 will need cutting slightly to allow for your clock mechanism and the correct sized hole for your clock will need to have been cut before you assemble the tower.



ASSEMBLY 7 – TOWER ROOF

Glue and fix the **Tower Top** and **Tower Roof** pieces

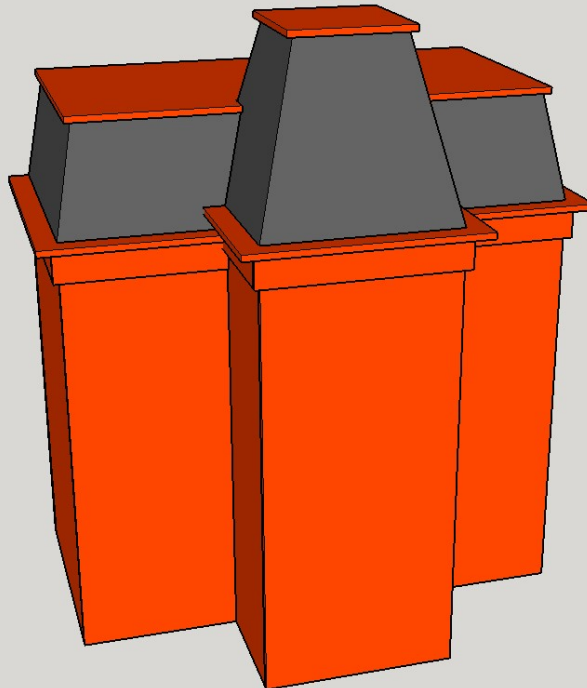
The roof pieces will need bevelling 45 degrees on the inside edge to make them fit correctly.



Pieces 09, 10, 11, 12, and 13

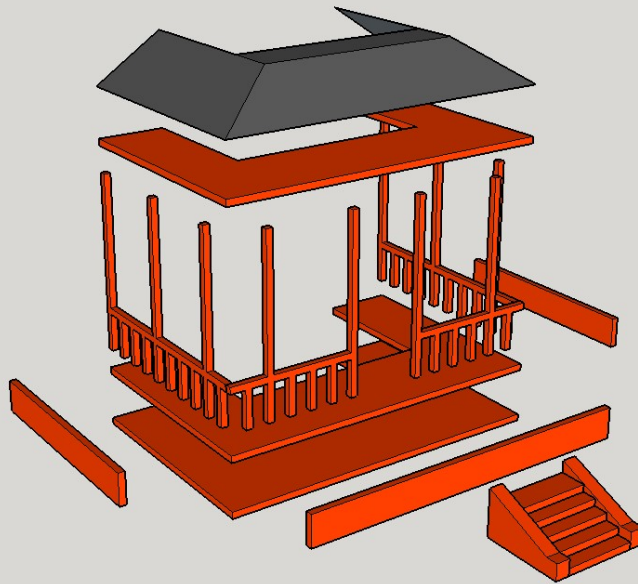
ASSEMBLY 8 – ROOF TOP PIECES

Glue and fix the **Tower Roof Top**, 14 and the **House Roof Top** 19



ASSEMBLY 9 – PORCH

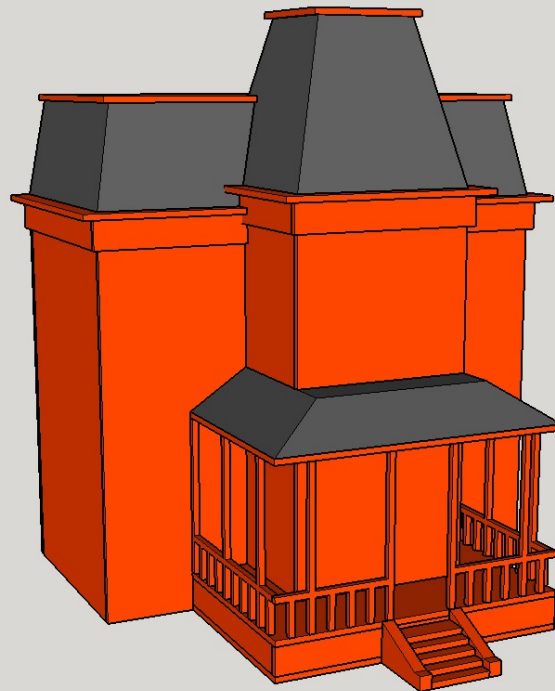
Assemble the **porch**. Pieces 20, 21, 22, 24, 25, 26, 27, 28, 29, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, and 47



NB. Do not fix this item to the base unit just yet

ASSEMBLY 10 – FINISHED PIECES

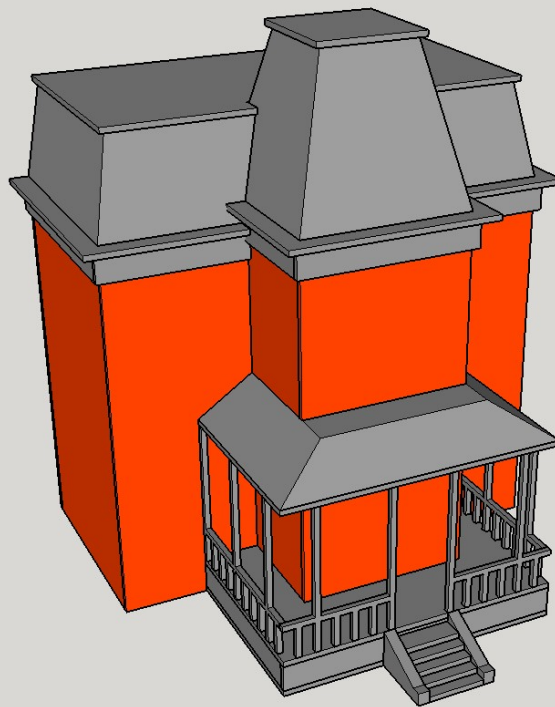
Your completed base unit should look like this



NB. Do not fix the porch assembly on to the house just yet.

STEP 4 – PAINTING

Paint the areas marked in **Light Grey** as shown on the diagram.



Areas marked in the coral colour are bare wood and do not need to be painted. The house and tower roofs do not need to be painted but it is a good idea to do so as it covers the corners and edges. When you apply the graphics this will help if you leave any gaps.

All colours should be matt, silk, or satin finish. Only a small amount of paint is needed so a good idea is to use tester pots from the local hardware store. Apply two coats of paint and sand the wood if necessary to get a good overall finish.

STEP 5 - APPLY THE GRAPHICS

When your paint has dried you can start to apply the artwork.

Print out the two files **03-GRAPHICS-WALLS.PDF** and **04-GRAPHICS-ROOF.PDF** on your colour inkjet printer. Print them on **A4 Matt Inkjet Paper**, or **Thin Inkjet Card**. Make sure that you have set your printer for the correct paper type and at the highest quality setting. Also make sure that the printout is scaled correctly by using the same print settings that you did with the templates. Let the artwork dry out for 20 mins or so, to prevent smudging when you are handling it. If the artwork is damp it is also more difficult to cut out.

Starting with the walls, cut out the artwork, piece by piece, following the numbered sequence shown on the diagram on the artwork. It is better to do each piece in numbered order so as not to get mixed up with the sequence. Note that some pieces can be similar in size but have different artwork on them. Cut slightly **INSIDE** the grey cut lines, so that you don't see the grey line on the cut out piece. Check that the piece fits on the clock and then apply glue to the back of each piece with the Pritt stick. Be careful not to get any glue on the front face of the piece as it will smudge and leave unsightly marks. Apply each piece to the clock carefully and smooth it out, making sure that it is flat and there are no air bubbles or creases. Make sure the artwork is straight and aligned properly. If you make a mistake you can always remove it and print another piece. The corners of the building will be covered with vertical paper strips so don't worry if you leave any small gaps at the edges.

Most of the work is self explanatory and as you progress you will see where the graphics should fit. Please refer to the colour photographs of the finished clock to double check the placement. When the walls are completed you can apply the strips to the edges of the clock to complete the effect of the wooden planking. The roof graphics are applied in the same way, just make sure that the tile patterns line up correctly. Some of the roof pieces are similar in shape and can be applied upside down. Again don't worry about the edges because you will cover them with strips to give a roof edging effect.

When all wall and roof graphics have been applied, and the edging strips, you can move on to the final assembly stage.

STEP 6 – FINAL ASSEMBLY

Porch

Fix the whole porch assembly to the front of the house

Clock Insert

Slide your clock insert into the tower (be careful not to scratch the artwork on the porch)

Make a Base

You can also make a wooden base for the clock if you wish.

WELL DONE!

Your **Spooky House** clock is now complete.