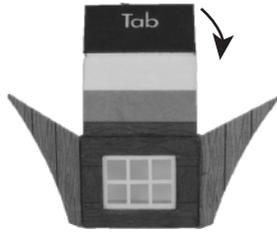
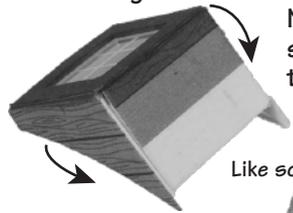


Fig. 6. SIDE WINDOWS

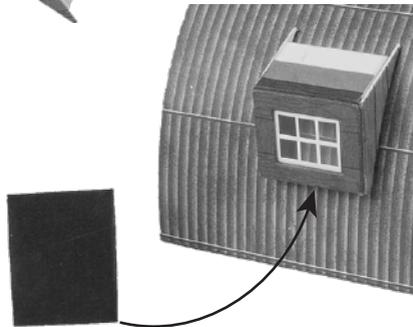
Now onto the side windows, if you haven't already added the glazing do this now (fig. 2).



Fold the black tab over and back onto itself and glue.



Now fold the sides and glue to the roof tab.

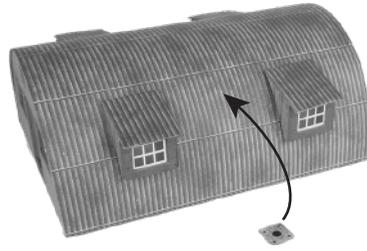


Carefully position the windows to the curved side of the hut. I found carefully counting the 'ridges' and making a small mark with a pencil was crucial to get all the windows at the same level and position. Then add a 'blackout' square (opposite) to mask the roof behind the window - this will slide in from either the top or bottom of the window.

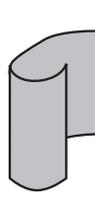
Finally add the window roof.



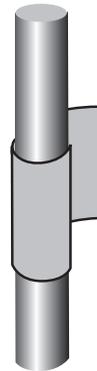
Fig. 7. CHIMNEY



If you'd like a chimney first position a heat plate (see below) into place.

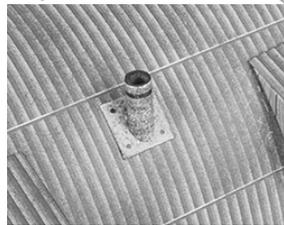
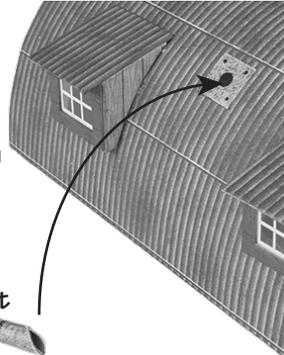


Curl strip slightly first.



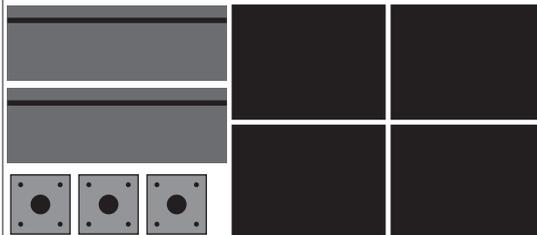
Cut out the chimney strip, gently curl the paper first then wrap around a nail or something with a approx 2mm diameter. Roll up tight, then unroll the end enough to add a little glue, then roll back up until the glue sets.

Now if you have your heat plate on the side you will need to carefully cut the rolled chimney to the correct angle, so it fits straight.



Like so.

Chimneys and heat plates



PO415 00/HO Scale

Nissen Hut

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. Ultra Fine Tip Glue Applicator, see right.
6. A cutting surface - a sheet of card or a cutting mat.
7. Fine point tweezers to hold the smaller components.
8. Water colour paints and a very fine brush, for painting the edges and corners.

GETTING STARTED

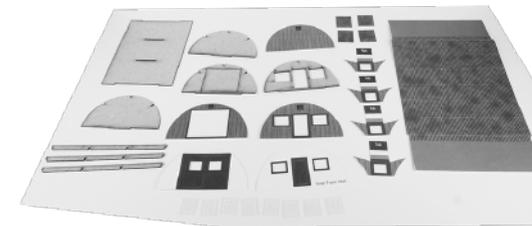
To stop the components from falling off the sheets, they are held secure with score lines. These are cuts that only go about 75% of the way through the card. To release them simply run the point of your knife along the score lines and they will come seamlessly away. →

These score lines 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.

The laser cut card components are held to the base sheet by very small score points, these parts can be carefully pushed free.

Extract all the components from each of the sheets.

Place these components neatly in a tray or separate piece of thick card away from your working area to create your builders yard.



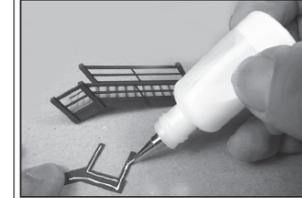
INSTRUCTION SHEET

CHECK LIST

This kit pack should contain the following:

- 1 x SHEET A - Printed card components
- 1 x SHEET B - Roof components
- 1 x Laser Cut GREY SHEET - Laser cut parts
- 1 x INSTRUCTION SHEET.
- 1 x Glazing sheet.

The METCALFE Ultra Fine Tip Glue Bottles are essential for gluing the smaller components in this kit.



Tiny strips or spots of glue can be accurately laid down with precision.



Always replace the pin after use and store the bottles upside down to keep the glue moist.

UHU All Purpose Adhesive Glue

Is available in standard and solvent free. Both types are fine for use in our glue bottles, even though the instructions on the back of the packs warn against solvent based glues, we have tested the UHU solvent based glue and it works fine. The solvent free glue doesn't string as much, but can be a little harder to clean off if it drips onto unwanted areas.

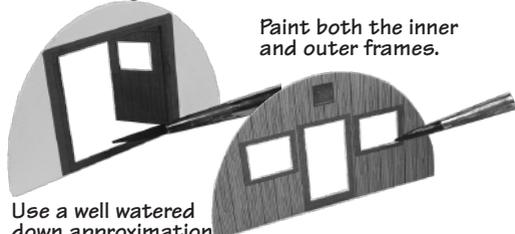
Speed Bond by Deluxe Materials

This is an excellent PVA. based glue that dries quickly, but also allows time to get parts into position. It has the added advantage that it dries clear leaving little evidence if it oozes out of joints etc. Used in our fine glue applicator bottles a 112g bottle lasts for ages. www.deluxematerials.com

Your **WORKING** area should have a clean flat surface, and should only contain the kit parts you are actually working on.

Fig. 1. PAINTING THE EDGES

For best results paint the *exposed white edges* of the windows and doors before assembling the model.

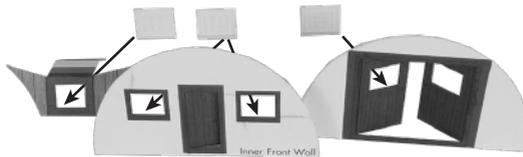


Paint both the inner and outer frames.

Use a well watered down approximation of the colour - you can always add more paint to darken. Test on some waste card first. For help, check out Metcalfe Models on YouTube

Fig. 2. WINDOWS

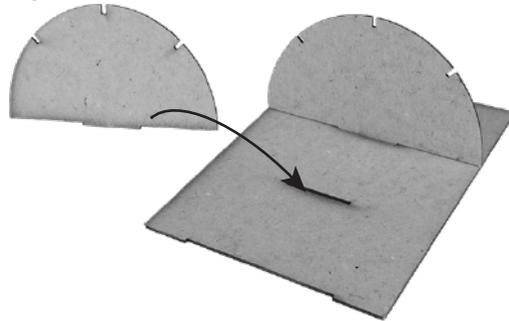
Now glue into place the windows. All the windows are the same.



Be sure to affix the windows to the **INNER** walls as shown above, along with the 4 side windows.

Put the completed door and windows back into the builders yard until needed.

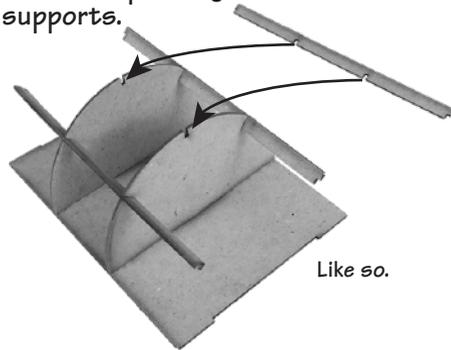
Fig. 3. BASE & FRAME



The 2 'whole' semi circular inner supports have a tab that slots neatly into the main base card.

Fig. 3. BASE & FRAME cont'd

Now take the 3 beams and slot them into the corresponding slots on the inner supports.

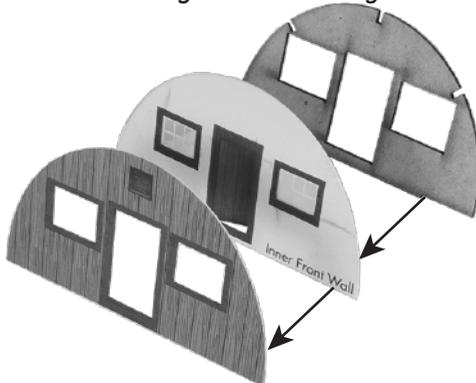


Like so.

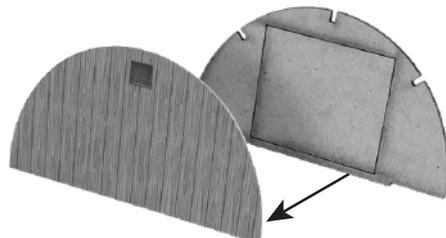
Fig. 4. WALLS

First decide which style of doors your hut is going to have. Now pay close attention! If you decide on the single door, then it's quite straight forward. The Double doors requires a bit of tweaking the strengtheners.

First the straight forward single door...



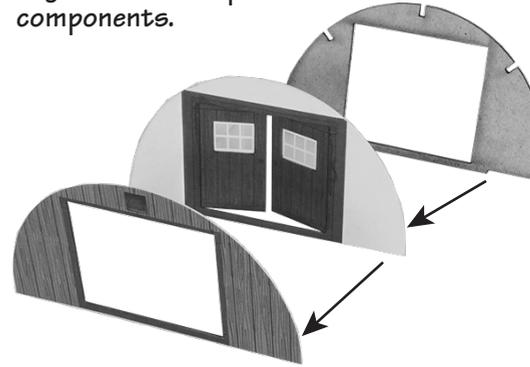
Fix the inner front wall to the matching outer wall then the inner strengthener keeping the curved outer edges flush.



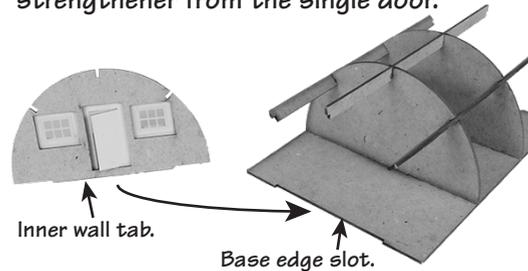
The same with the rear wall.

Fig. 4. WALLS cont'd

For the double door version, remove the square from the inner strengthener and align and fix into place the door components.



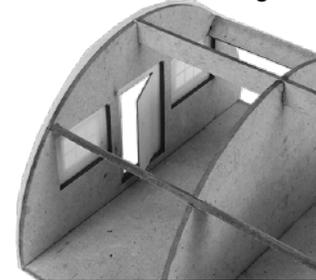
For the rear wall use the left over inner strengthener from the single door.



Inner wall tab.

Base edge slot.

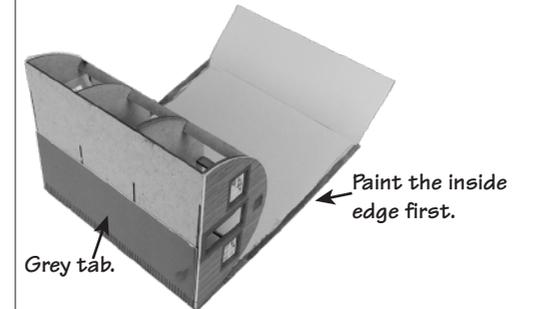
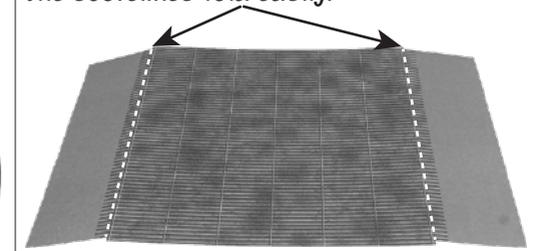
Now add the walls to the frame. The 3 beams slot into the inner strengtheners and the inner wall tab fits flush to the slot on the base edge.



Like so.

Fig. 5. ROOF

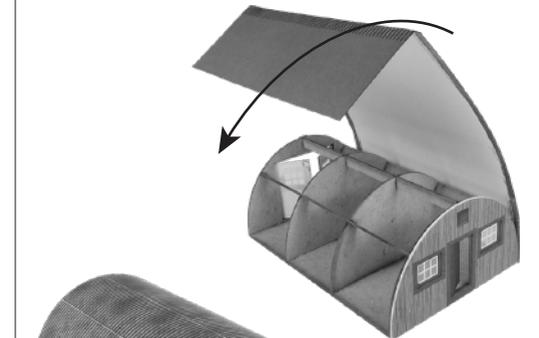
Now the roof. First carefully check that the scorelines fold easily.



Paint the inside edge first.

Grey tab.

Position the solid grey tab of the roof section central on the underside of the base. Then fold the roof over the frame with the opposite grey tab folding to the opposite side of the base underside. **TEST THE POSITION BEFORE GLUING.**



Like so.