

# PO236 OO FOOTBRIDGE

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 - See glues lower down on sheet.
5. Ultra Fine Tip Glue Applicator - see below
6. A cutting surface - a sheet of card or a cutting mat.
7. Tweezers to hold the smaller components

**READ THROUGH ALL THE INSTRUCTIONS BEFORE YOU START. This is complex kit that requires particular attention to fine details.**

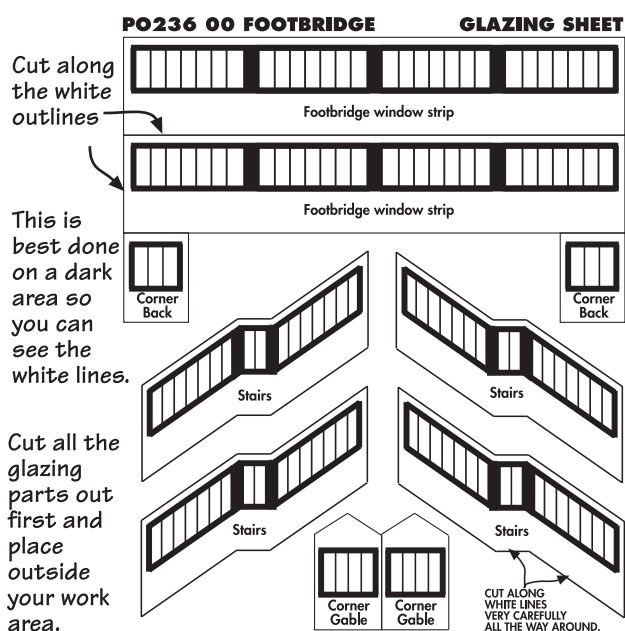
Each component is fastened to the sheet by means of a score line. These are cut lines that have only gone about three quarters of the way through the card.

To detach each component from the sheet, locate the score line that is holding it in place (these are clearly marked with blue arrows) and carefully run the point of your knife along the scoreline and the item will come seamlessly away. CAUTION - be very careful when running the point of your knife along these score lines. It is easy to run out of the groove and cut something you shouldn't.

## GLAZING

It is important that these windows are cut out EXACTLY along the white outer lines.

The glazing units are to be attached to the OUTER walls with the matt printed side facing through the openings.



## SHEET 1

### Your Work Surface

Keep offcuts to one side.

A clean flat working area

Kit bits ready for assembly.



Keep it tidy. When you have extracted components from the sheet, place them neatly to one side, FACE UP so you don't lose them.

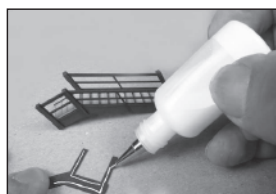
**DON'T THROW ANYTHING AWAY.**

Offcuts can come in handy for bracing etc. and it also reduces the risk of accidentally throwing anything away.

### CHECK LIST This kit pack should contain the following:

- 1 x SHEET **A** - Side walls for steps and bridge.
- 1 x SHEET **B1** - } B1 & B2 contain identical components
- 1 x SHEET **B2** - } for the stairway walls and bases.
- 1 x SHEET **C** - Various components inc. roof sections.
- 1 x GLAZING SHEET.
- 1 x A3 INSTRUCTION SHEET 1 (this sheet).
- 1 x A3 INSTRUCTION SHEET 2.
- 1 x Small sheet of Ridge tiles.

**The METCALFE Ultra Fine Tip Glue Bottles** are essential for gluing the fine window frame parts 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, but the solvent free glue doesn't string as much, but can be a little harder to clean off if it drips onto your work surface or oozes onto unwanted areas of your kit.

### Speed Bond by Deluxe Materials

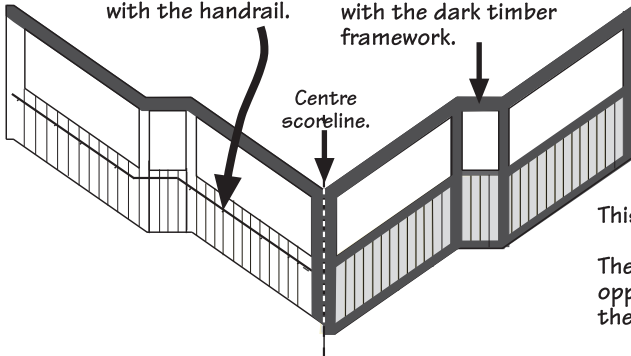
This is an excellent PVA. based glue that dries quickly, but also allows time to get parts into position. It has the added advantage that it dries clear leaving little evidence if it oozes out of joints etc. Used in our fine glue applicator bottles a 112g bottle lasts for ages. [www.deluxematerials.com](http://www.deluxematerials.com)

## Fig. 1. Stairway UPPER WALLS.

### DESCRIPTION.

This side is the INNER wall with the handrail.

This side is the OUTER wall with the dark timber framework.



This is a right hand wall section. There are two of them.

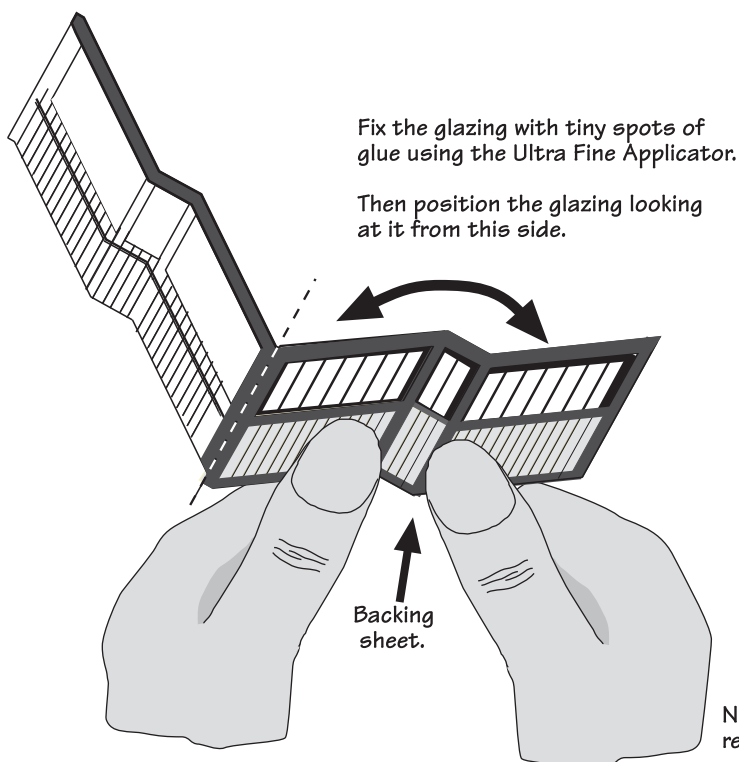
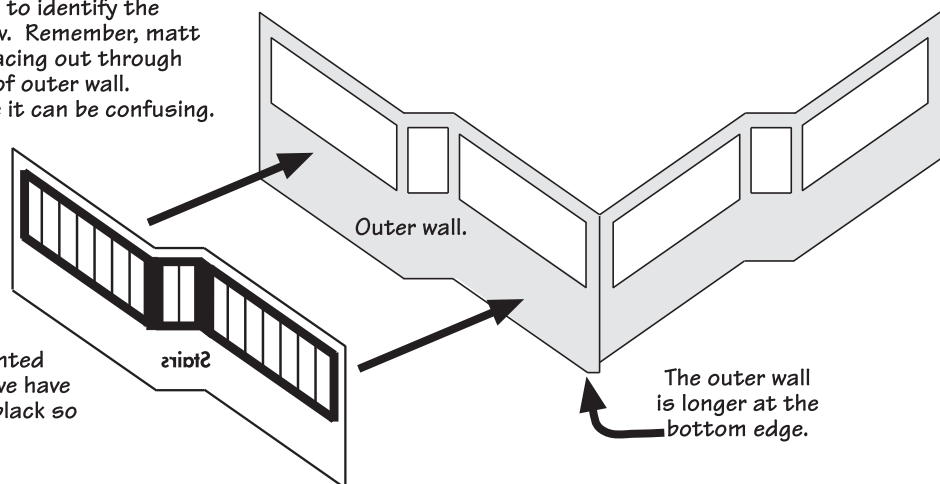
The left hand wall sections are just the same but the opposite way round. Take care when fixing the glazing to the back of the outer walls it is easy to get confused.

## Fig. 2. FIXING THE GLAZING.

The glazing needs to be fitted to the back of the OUTER wall.

First you need to identify the correct window. Remember, matt printed side facing out through the openings of outer wall. Take your time it can be confusing.

Yes we know... The glazing is printed in white ink, but we have shown it here in black so you can see it.

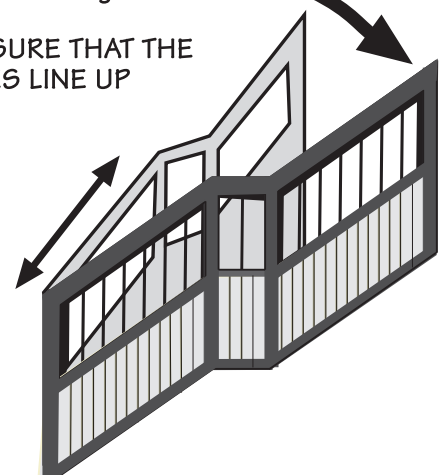


Fix the glazing with tiny spots of glue using the Ultra Fine Applicator.

Then position the glazing looking at it from this side.

Fold the two halves of the wall unit together.

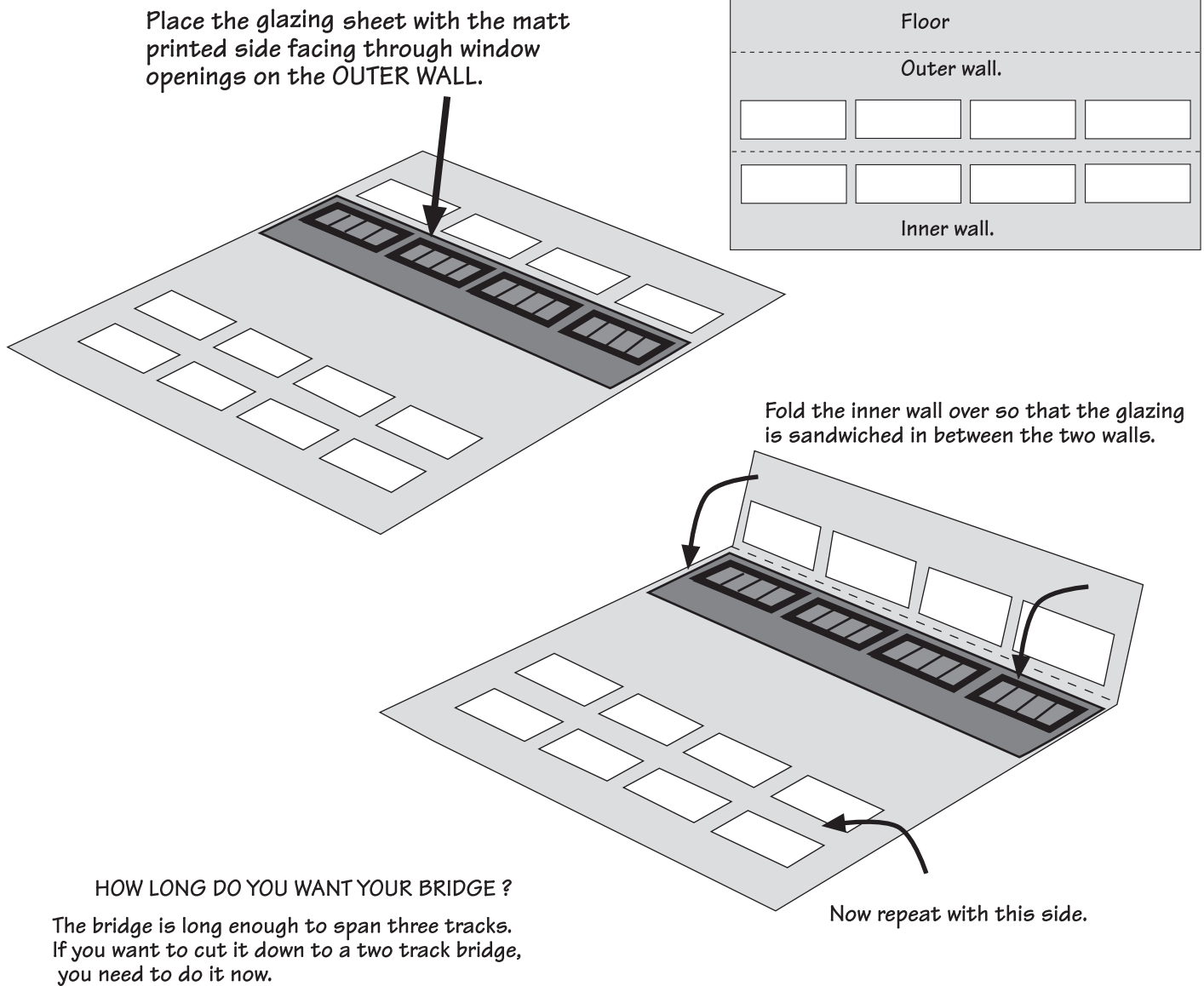
MAKING SURE THAT THE TOP EDGES LINE UP EXACTLY



Now that you have got the hang of it, you can go on and repeat this procedure with the other three upper stairs walls.

When all four walls are done, put them to one side until needed.

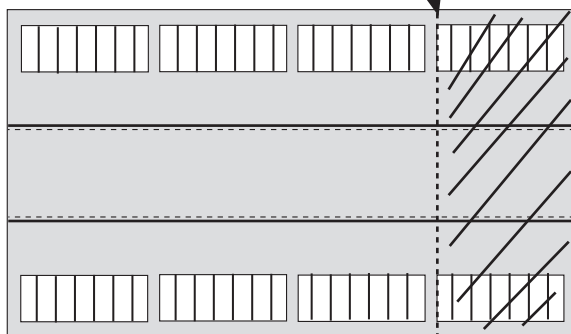
**Fig. 3. THE BRIDGE WALLS & FLOOR.**



#### HOW LONG DO YOU WANT YOUR BRIDGE ?

The bridge is long enough to span three tracks. If you want to cut it down to a two track bridge, you need to do it now.

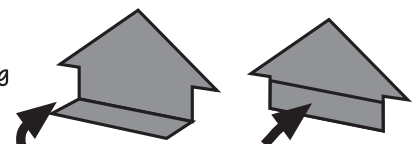
Place a rule to guide your knife, and cut up to the first window post.



The grey inner floor has a scoreline that indicates the correct length to cut it to match the bridge (see Fig.5.).

**Fig. 7. ROOF TRUSSES.**

There are four roof trusses that fit along the wall tops of the bridge (located on sheet 'C').



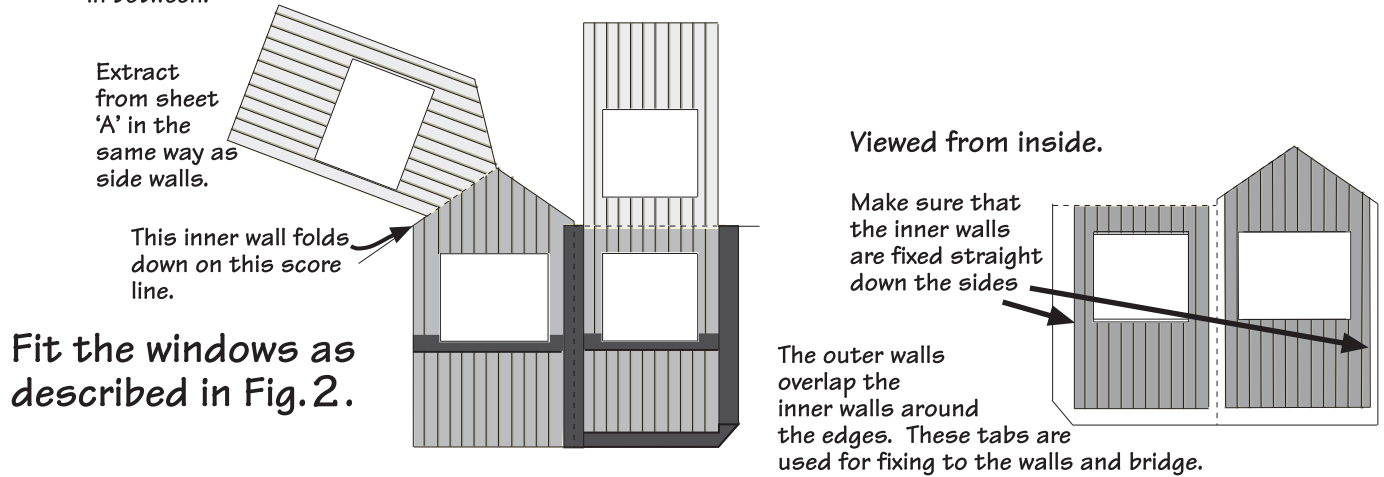
Fold up tabs.

Glue flat.

See Fig. 6. for fitting instructions.

## Fig. 4. CORNER WALLS 'A' & 'B'.

These are the upper wall sections that fit at the top of the stairs. There are two outer wall sections with inner walls that fold down from the top and stick together back to back, in the same way as the side walls, with the glazing sandwiched in between.

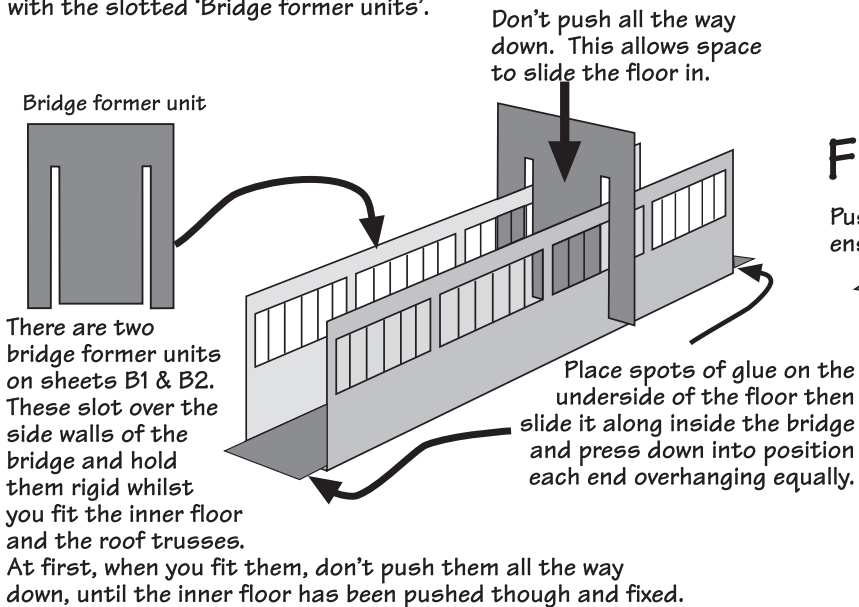


When assembled, put to one side until needed.

There is also an extra bridge joiner wall located at the top of sheet 'A'. This is only to be used when you are adding on an extra kit to extend the footbridge over to an extra platform (see Fig. 20.). It is a single wall section that assembles the same way as walls above.

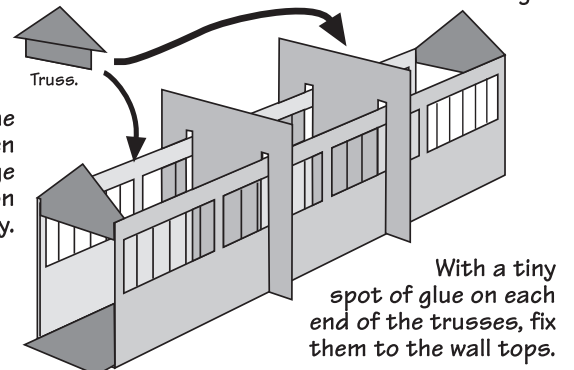
## Fig. 5 FIT INNER FLOOR.

The inner floor (located on sheet 'C') is to be fitted after the side walls have been folded up at right angles and held in place with the slotted 'Bridge former units'.



## Fig. 6 FIT ROOF TRUSSES.

Push the inner former units to the bottom, this will ensure that the walls are held at the correct angle.



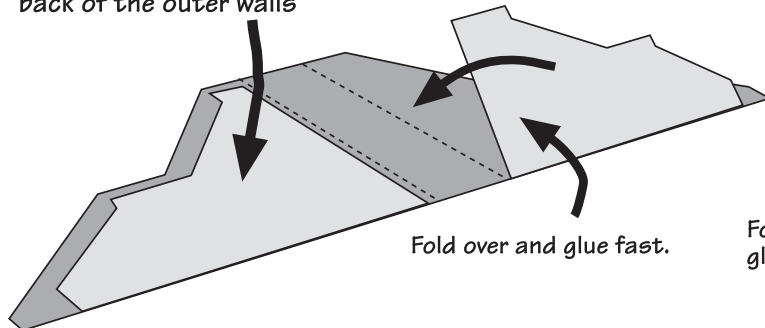
Don't remove the former units yet.

NOW PLACE THE WHOLE UNIT TO ONE SIDE UNTIL YOU NEED IT.

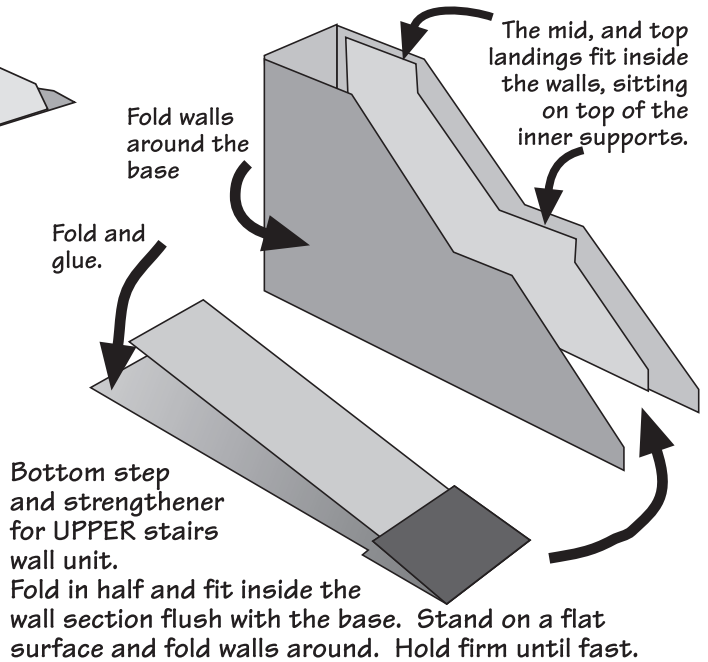
## Fig.7 UPPER STAIRS WALL UNITS.

This is the wall unit that houses the main flights of steps. There are two identical sets (located on sheets B1 & B2).

Start by folding the two grey inner supports over and glue flat to the back of the outer walls

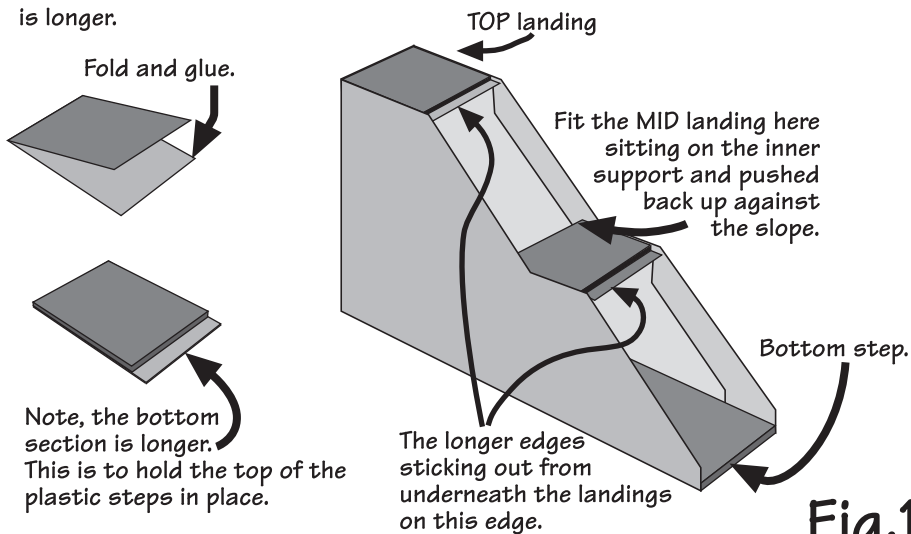


## Fig.8 UPPER STAIRS WALL UNIT.



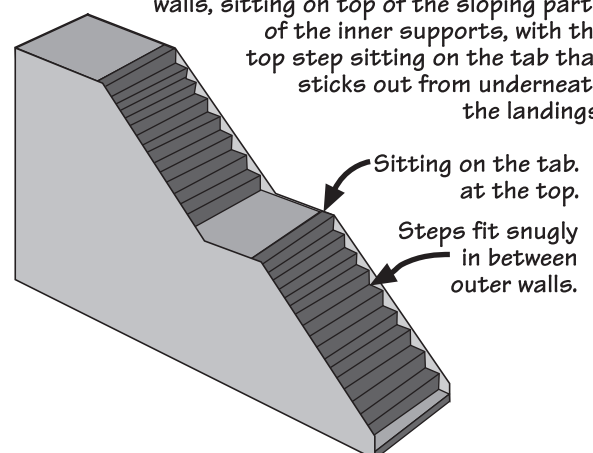
## Fig.9 FITTING THE LANDINGS.

The two landings (located on sheets B1 & B2) fold in half to make them double thickness. The bottom half of each unit is longer.



## Fig.10 FITTING THE STEPS.

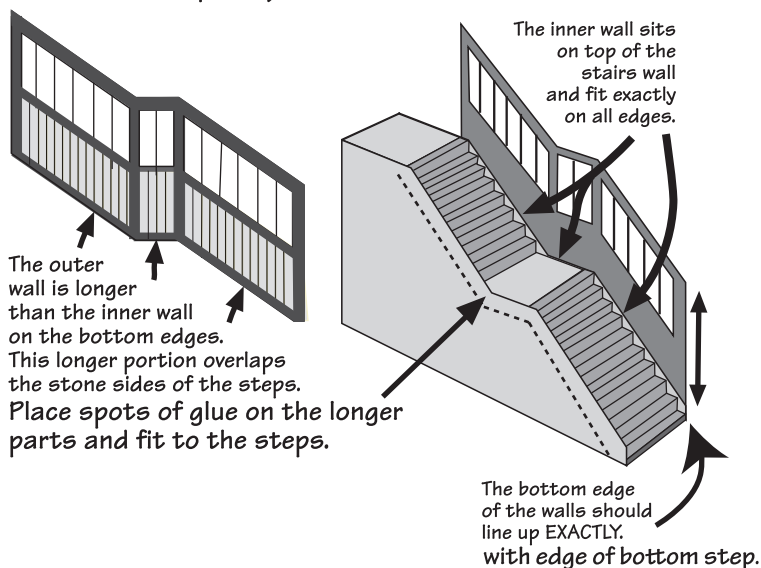
The two longer flights of plastic steps fit inside the walls, sitting on top of the sloping parts of the inner supports, with the top step sitting on the tab that sticks out from underneath the landings.





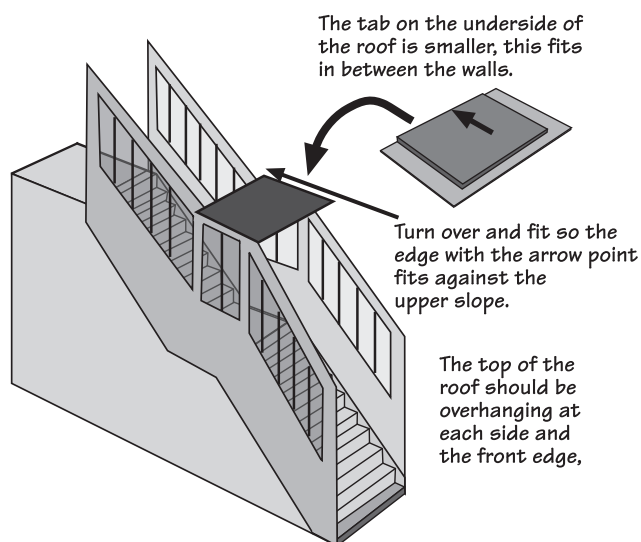
## Fig.11 FITTING THE SIDE WALLS.

Remember the stairs walls you made earlier? You can fit them to the steps now. There are two left hand and two right hand walls. Each set of steps requires one of each.



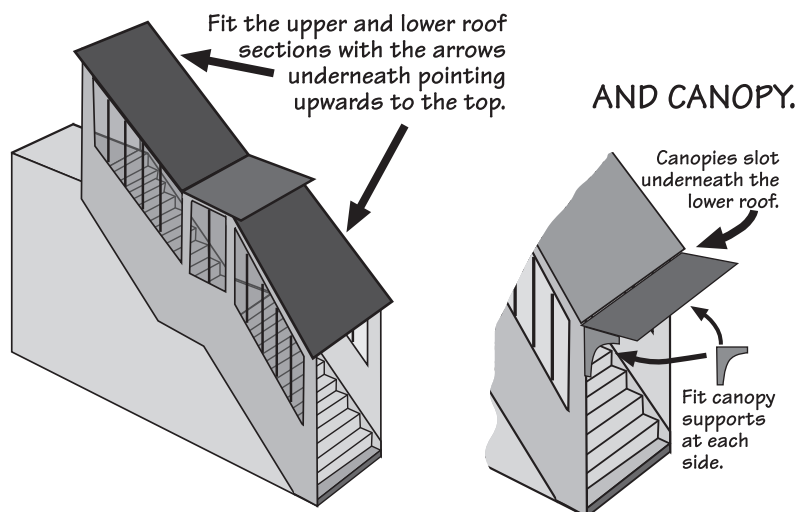
## Fig.12 STAIRS ROOF.

There are three roof sections to each stairway START WITH THE 'MID LANDING ROOF'.



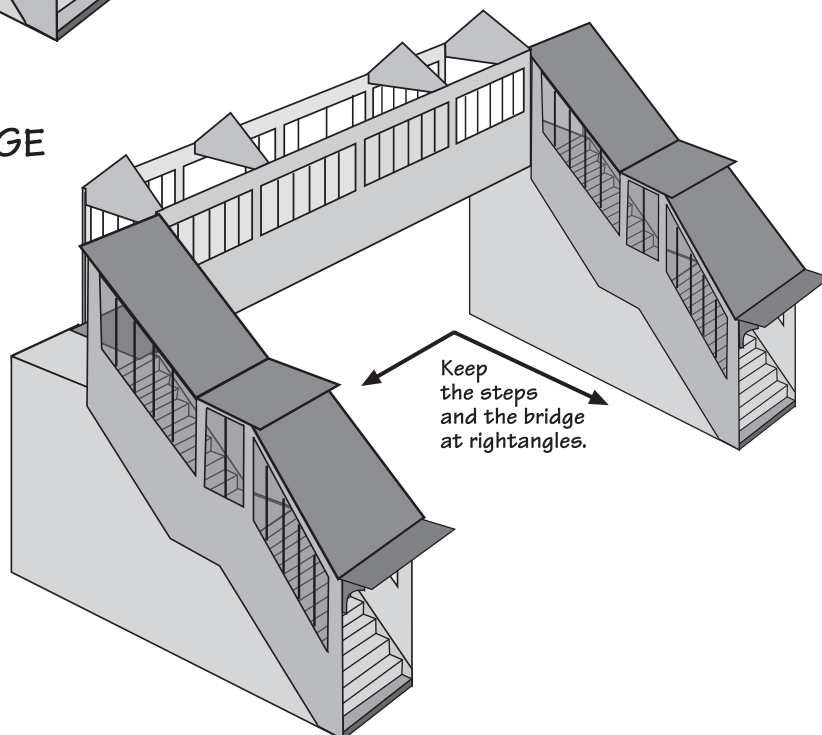
## Fig.13 UPPER & LOWER STAIRS ROOF.

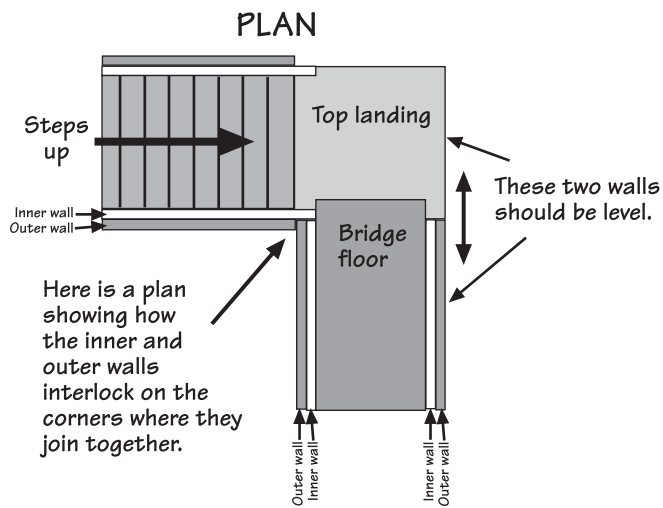
TAKE NOTE, the upper roof is slightly shorter than the lower roof.



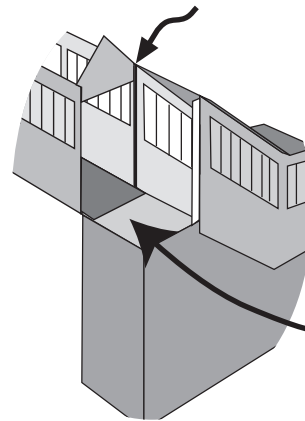
## Fig.14 FIXING THE BRIDGE TO THE STAIRS.

When you fit the bridge to the steps you will need to stand the steps on a flat surface and fix both sets of steps to the bridge at the same time.

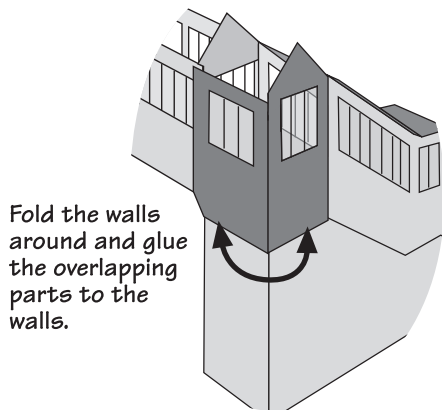




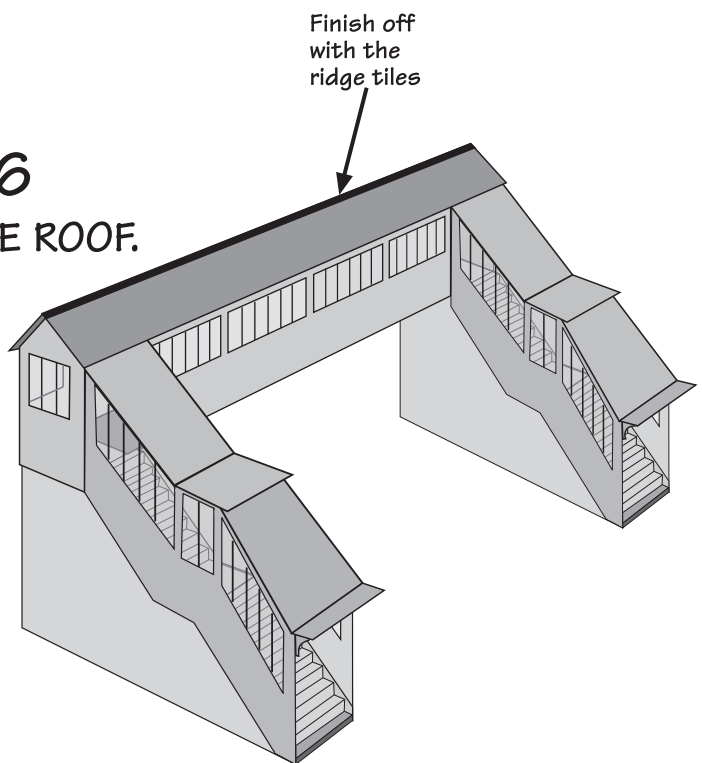
The end of the bridge wall fits into the recess up against the inner stairs wall. fix with tiny spots of glue.



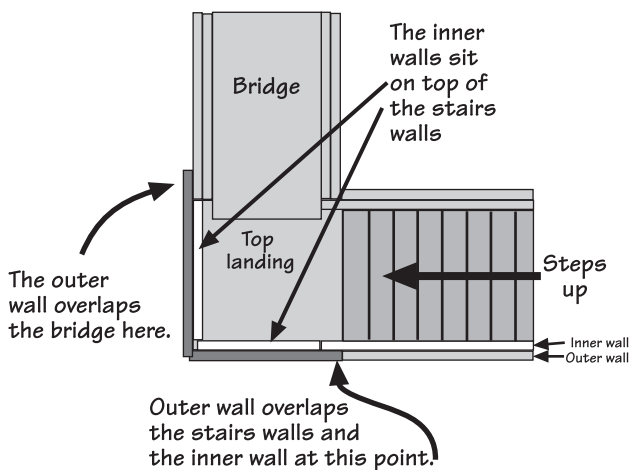
**Fig.15**  
FIXING CORNER WALLS.



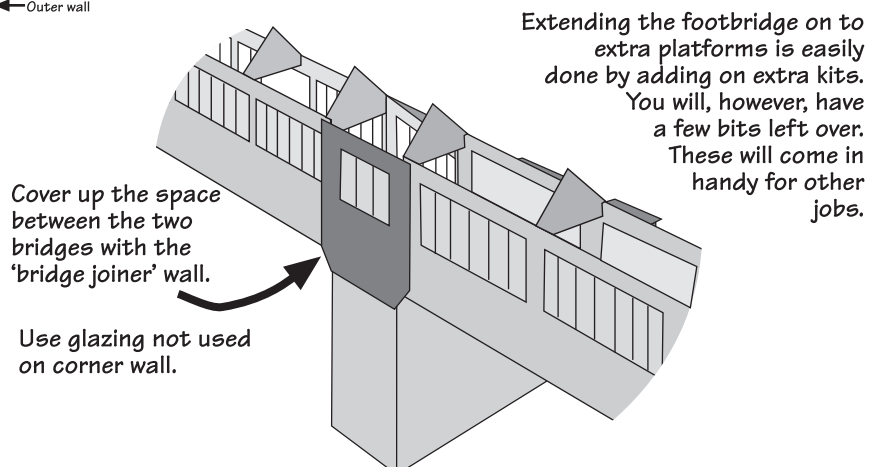
**Fig.16**  
FIT THE ROOF.



**CORNER WALL PLAN.**



**Fig.17** ADDING ON EXTRA KITS.

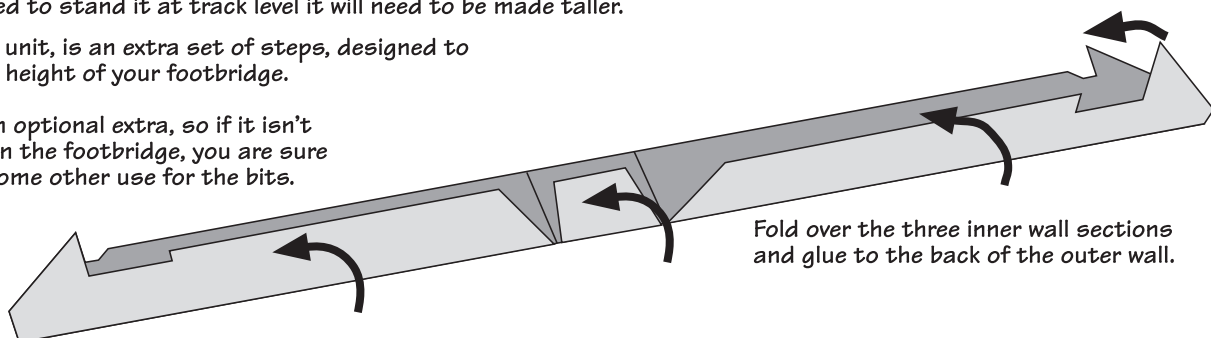


## Fig.18 BASE UNIT.

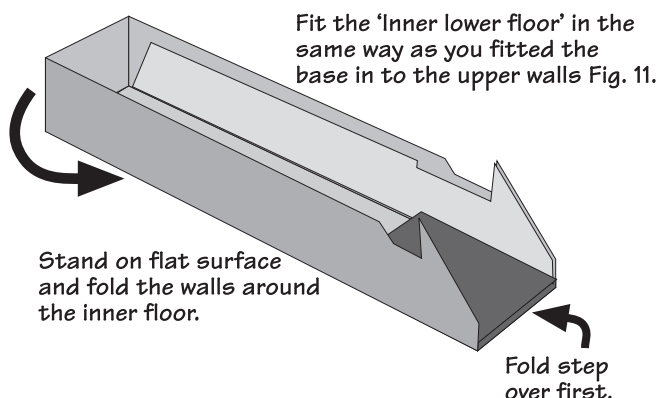
The footbridge as it stands so far, is designed to stand at platform level. If you need to stand it at track level it will need to be made taller.

The base unit, is an extra set of steps, designed to raise the height of your footbridge.

This is an optional extra, so if it isn't needed on the footbridge, you are sure to find some other use for the bits.



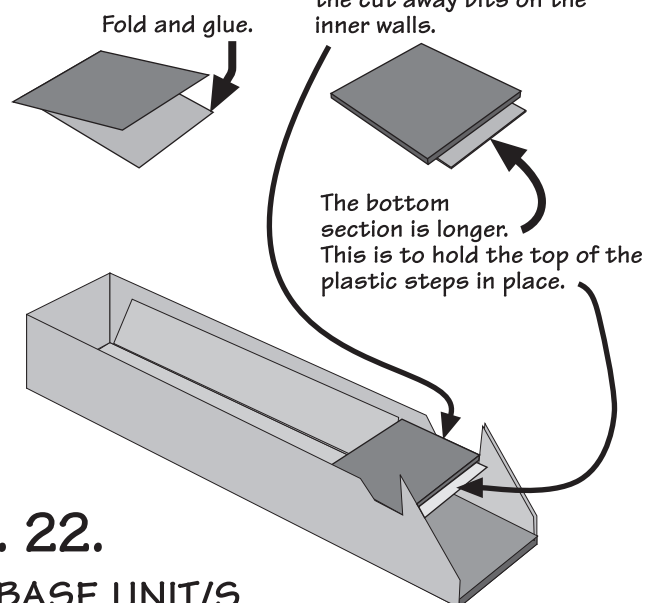
## Fig.19 INNER FLOOR.



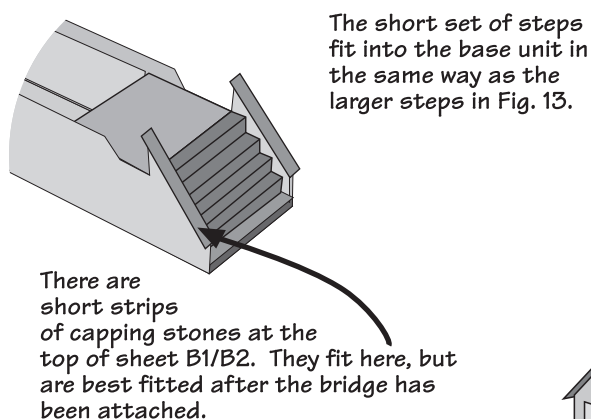
## Fig.20 TOP STEP.

The top step is located on sheets B1/B2

Note: the sides on the top section are wider than the lower part. They slot into the cut away bits on the inner walls.



## Fig. 21. PLASTIC STEPS.



## Fig. 22. FIT BASE UNIT/S TO THE MAIN BRIDGE.

