

STONEYBRIDGE STRUCTURES

03-316

NER Style Brick Base Water Tower



INTRODUCTION

Thank you for purchasing one of our products. We hope this information sheet will prove useful in the construction of this model. We have endeavoured to design this kit so assembly will be straightforward and logical to construct. Trial fit of parts is always recommended before fixing. In some cases, the individual parts will benefit from sanding, filing, painting etc. before the model is finally glued together.

It is not our intention to give a blow by blow written account of how the tank or building is constructed but a diagrammatic list of parts with photographs of the model to assist in what goes where together with hints & tips along the way.

The model is designed to sit on the baseboard (base sleeper level) and ballast or other infill made up to bottom of door height.

Background

Water towers were to be found predominantly across the steam age railway for replenishing the boilers with water. There was sometimes a treatment plant nearby to soften the water before it entered the tanks. This was dependant on the water source.

The size of the tank was determined by the storage required to fulfil the servicing of locomotive boilers.

Our tank is of the size required at a small single road locomotive shed or service point.

Orientation

For the sake of these instructions, we will describe the faces of the model with regard to the photograph above

Side 1 – left hand end with window

Front – long side

Side 2 – right hand end with door

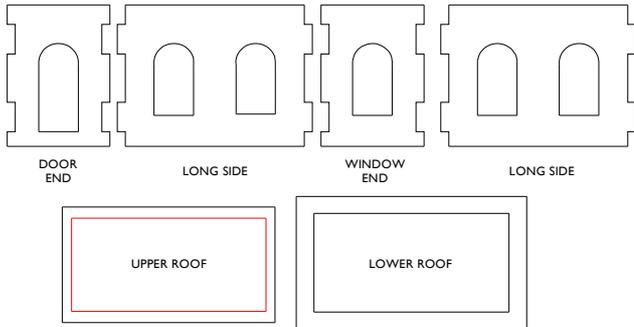
Back – long side

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CONSTRUCTION

Carcase

This forms the core of the model building part.



Form the carcase sides into a box and glue together. Put the lower roof over the top of the 'box' (it will be a tight fit and may need trimming on the inside surface). This will ensure the 'box' is 'square'.

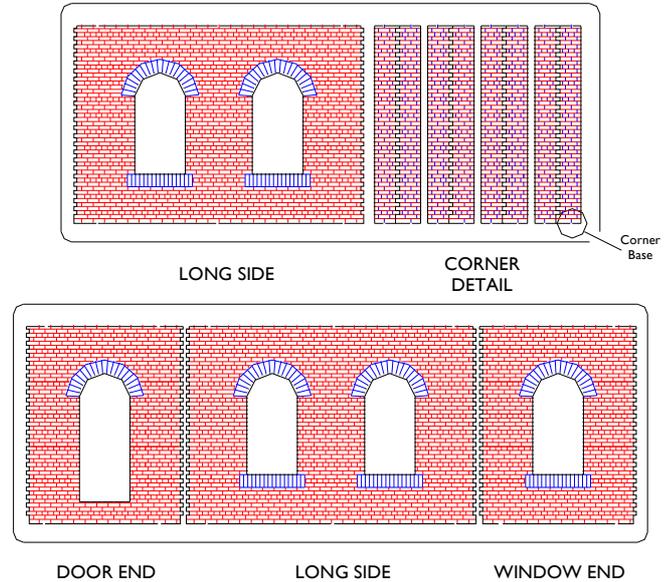


The upper roof can be glued on top.

Note! There is an additional layer of roof in the 7mm kit.

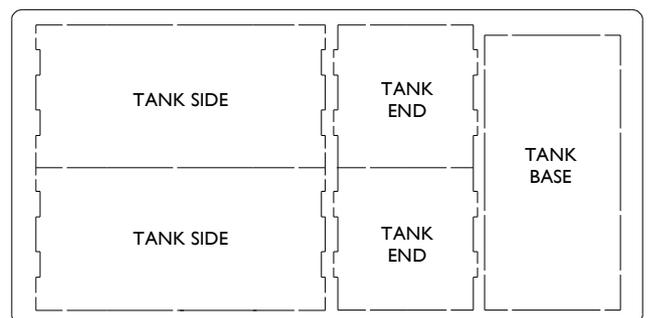
Cladding

This forms the detail on the outer side of the tank base.



Please note the orientation of the corner pieces. The bottom brick is higher than the top. This will ensure the mortar is horizontal and uniform on all parts.

Tank

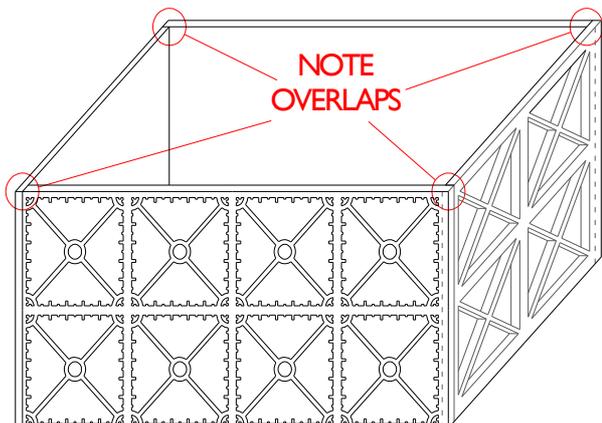


The base can be at the top, bottom or central when assembled depending on how the tank is to be displayed i.e. covered, half full or empty

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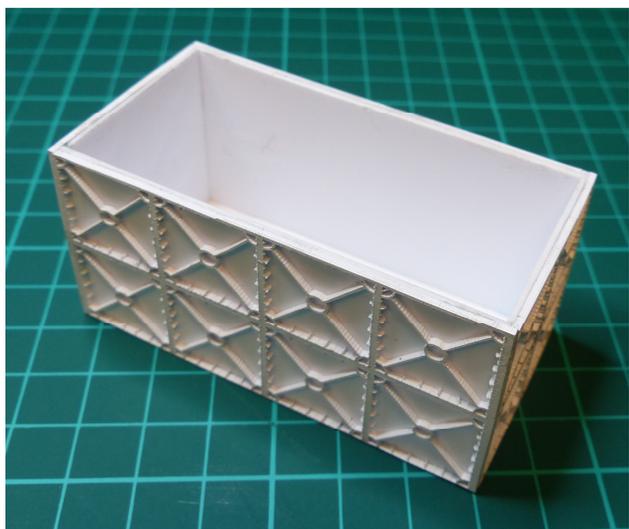
Tank Ribs

Tank Rib are mounted offset around the tank, see diagram below. The end with the corner pieces overlaps the end of the next rib

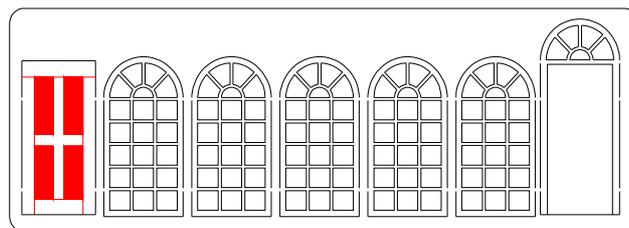


Tank plastic not shown for clarity.

The dotted line denotes the corner piece which is attached.



Windows and Door



The windows and the door frame is glued behind the cladding. The door is glued behind the door frame.



The completed 4mm model

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ADDITIONAL INFORMATION

Modified acrylic plastics (Rowmark, Trolase)

We use this material for most models. We use a white, black, red or grey as standard for both models and detailing parts.

We recommend this material be glued using Slaters Mek-Pak or stronger solvent weld.

Before gluing or painting it is recommend to wash down plastics with warm slightly soapy water to remove any cleaner that may have been used to prepare this for sale.

It is also essential to rub down the material with a fine sandpaper such as wet and dry or steel wool. This will give the glue or paint a key to adhere to. As this is a harder material than polystyrene, it may be beneficial to soften it by first painting on a layer of your chosen solvent weld and letting it stand for a few minutes.

Use a spray primer (such as Halfords) for best results before final colour. Use of acrylic paints is preferable.

MDF (Medite)

A laserable MDF material used for the carcass of larger models, nameplates etc.

This material is best glued with a quality wood glue.

Plywood

We use this material for smaller wooden parts such as platform supports and steps.

This material is best glued with a quality wood glue.

Styrene sheet (Slaters Plastikard)

We use this material for glazing. This material is best cut by hand so final trimming will be required to fit.

Can be glued with EMA Plastic Weld, Slaters Mek-Pak, and Limonene.

Please note polystyrene cement will not stick modified acrylics.

Superglue is to be avoided as it will leave a residue on the plastics.

Gluing dissimilar materials

Acrylic plastics can be glued to MDF or ply by using either No More Nails (recommended) or Butanone,

HEALTH and SAFETY

Our products are laser cut wood and plastic model kits and as such are not toys. They are not suitable for children.

We have tried to design our products to be as easy to assemble as possible. However, our products will require the use of sharp cutting implements such as knives and saws etc, sanding equipment, glues and paints to complete.

Always wear suitable personal protection equipment (PPE) and avoid breathing in dust particles and fumes from any material, glues or paints whilst sanding, cutting, gluing or painting any of our products.

Always follow any health and safety advice given on product labels or available via product websites. Please enquire if you are not certain with regards using any of our materials or products.

Every care and precaution should be taken when assembling our products.

We will take no responsibility or liability for any injury or costs incurred howsoever caused whilst using our products.