

The 2mm Scale Association. Annual Model Competition 2020

Buildings, Signals and Other Items

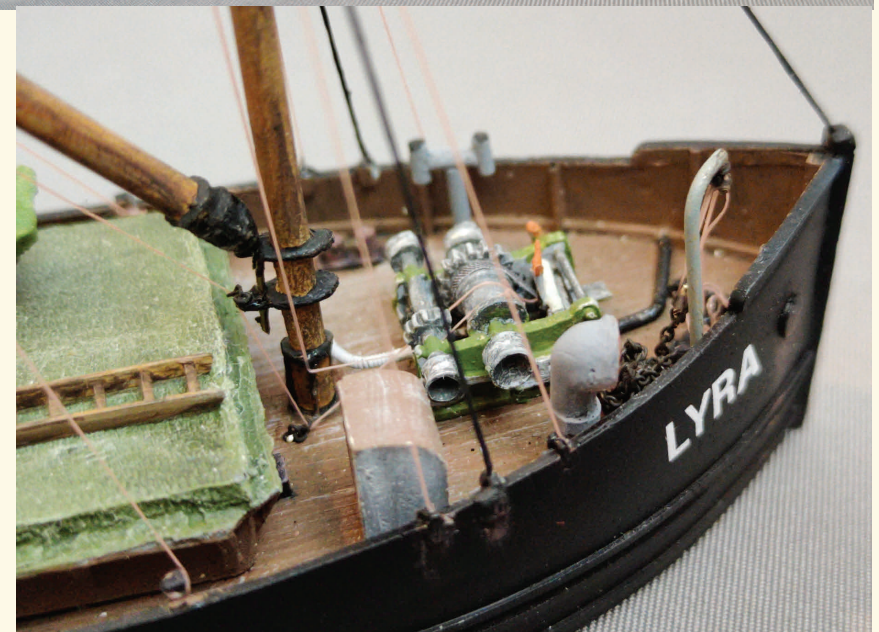
The following pages show the entries in the Buildings, Signals and Other Items category of the 2020 model competition. Voting takes place online in early September 2020, and all members will be emailed voting instructions and a unique voting ID.

To make your choice, look through the pages, and select your choice of best entry, note its number (eg. M05) and select that choice on the online voting form.

Photograph copyright is held by the individual entrants to the competition.

M03 Clyde Puffer.

This model of a Clyde Puffer is based on the Gramodels kit. This is mostly cast resin with reinforced white metal mast and jib. Resin was not the best material for some of the finer details. The bridge house was a solid block, so this was replaced with one built from transparent plastic, with interior detail and a captain at the wheel. The winch was replaced with a white metal one from Langley Models, with added details and steam and exhaust piping. Funnel stays were added using nickel-silver wire, and a brass whistle was added, fabricated from brass tube and wire. Rigging was formed using nickel-silver wire, fine chain and EzyLine. An anchor davit and chain was added with a Langley Models white metal anchor.



M06 GWR Pagoda Shelter.

Plasticard structure, home-made corrugated aluminium sheeting from food tray, formed around corrugated Mekpak bottle top, windows drawn in white ink on clear plastic, painted with emulsion, acrylic and enamel.



M08 GNR Belle Isle Down Signal Box.

Belle Isle Down signal box (and privy and coal bunker). Scratchbuilt from Plasticard, painted with emulsion and enamels.



M09 Santa and Sleigh.

A "seasonal" road vehicle: Santa and his sleigh. Preiser reindeer, figure modified with Miliput, Miliput sacks, sleigh scratchbuilt from plasticard and soldered wire.

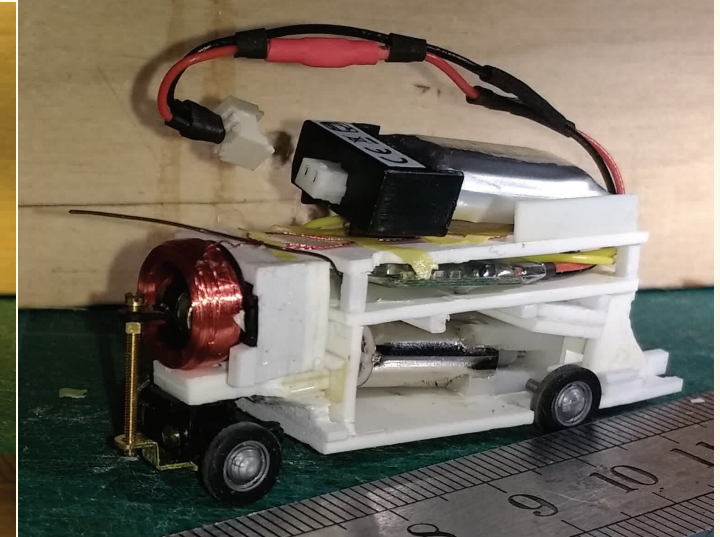
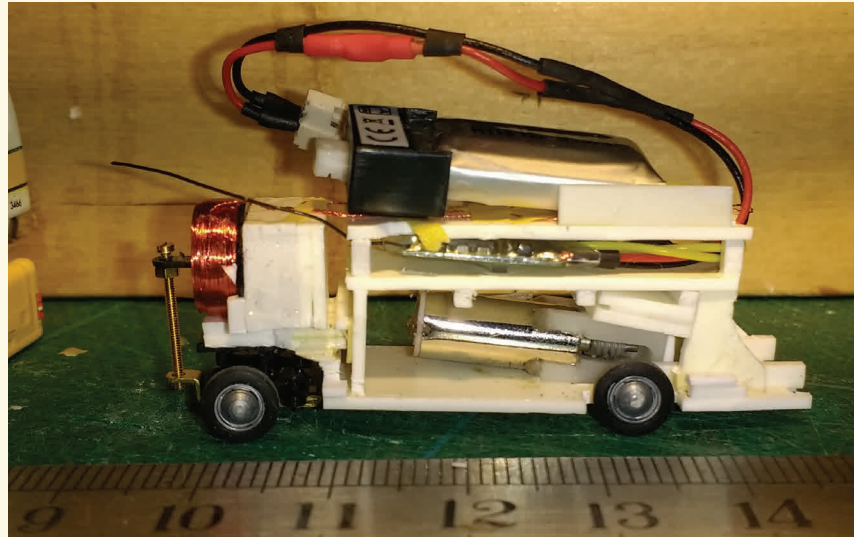


M10 Radio Controlled Bus.

Radio controlled bus, with proportional steering, speed and direction control. Deltang radio receiver, Plantraco steering coil, KKPMO motor/gearbox, Faller steering axle.

Body is commercial Newcastle bus.

Built primarily as proof of concept that radio controlled buses and lorries are practical in 2mm Scale.

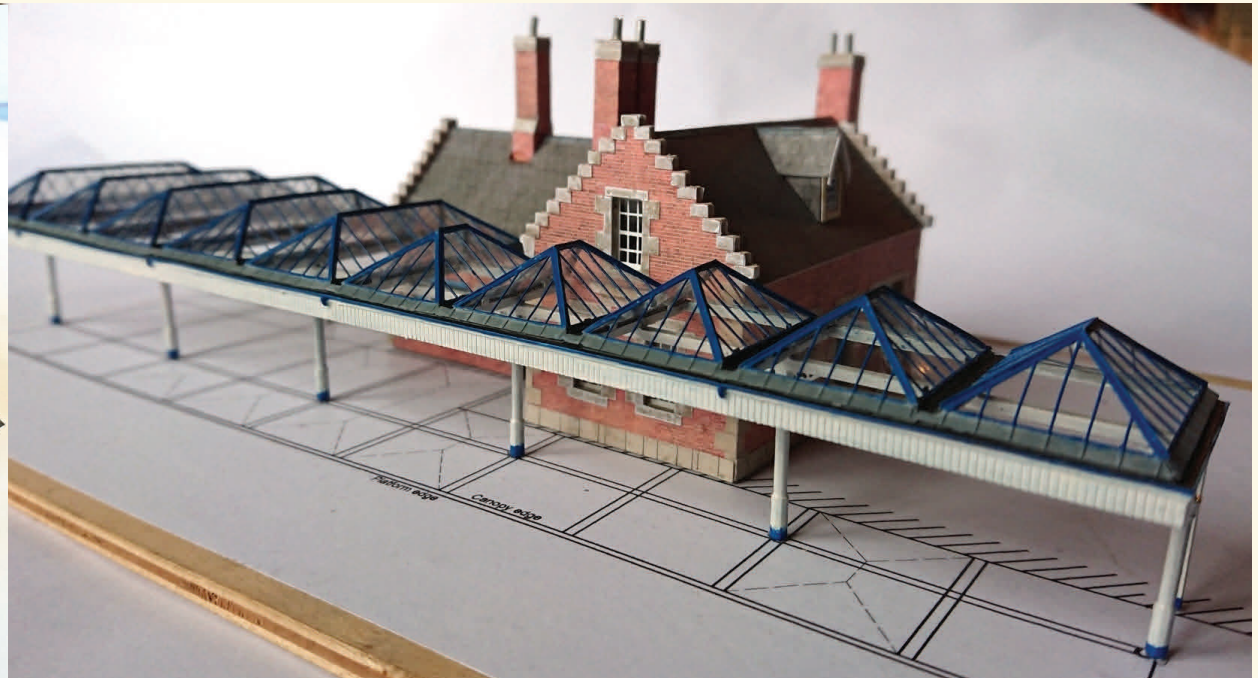
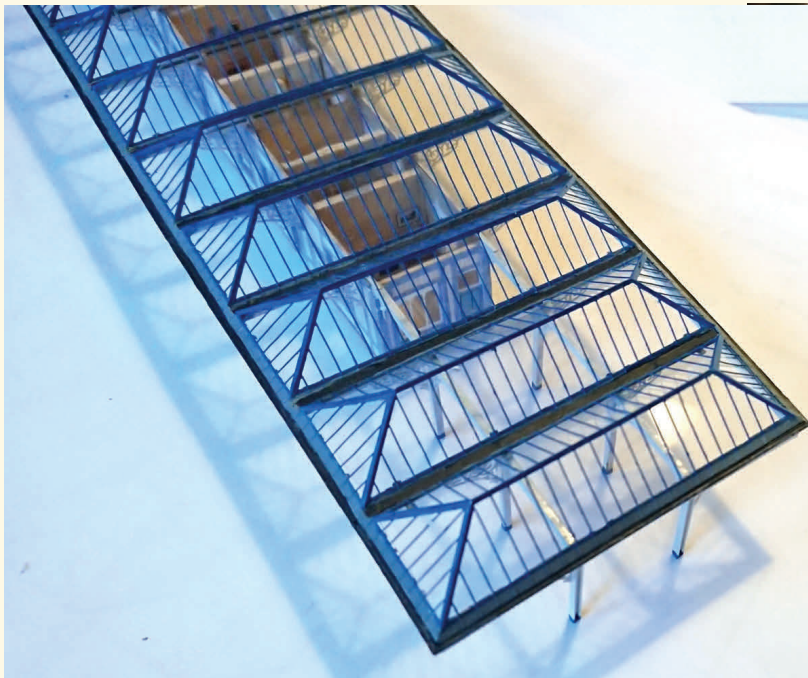
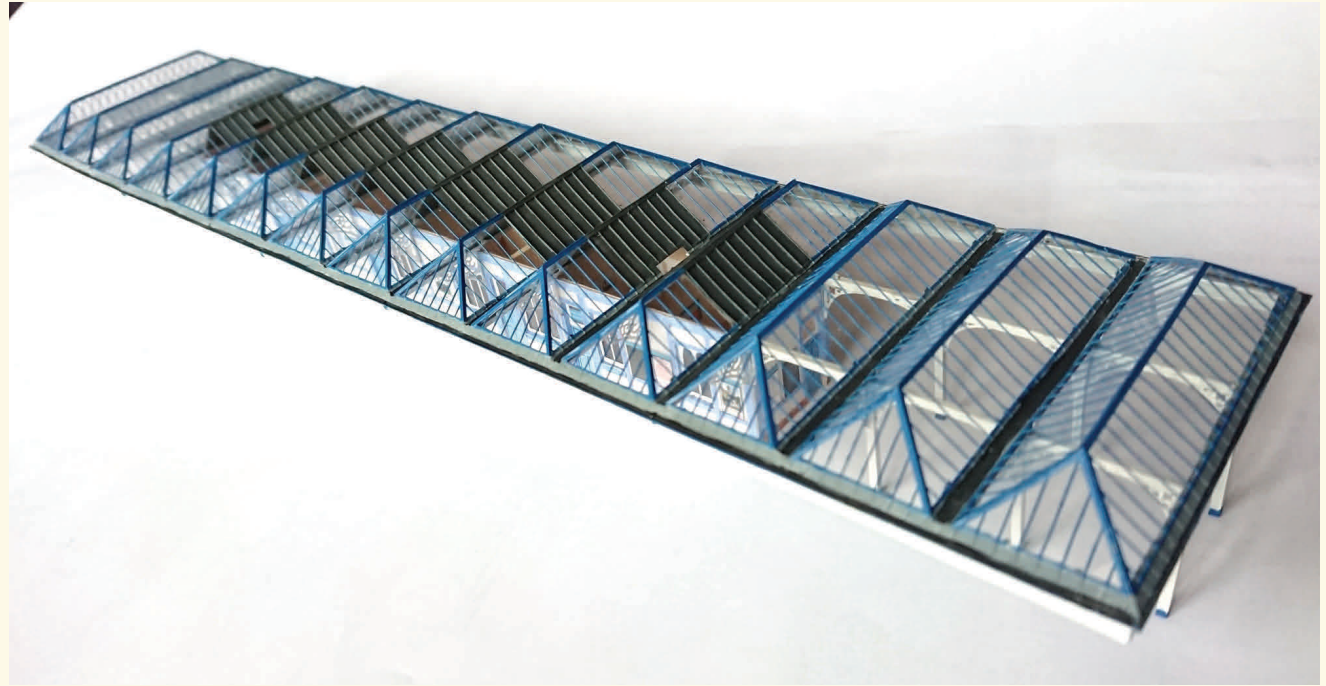


M13 Platform Canopies for Dunallander.

The platform canopies are for the Dunallander layout, begun by the late Neil Ballantyne and now being completed by the Grampian Area group. They are closely based on those at Dunblane as they were in the early 1960's.

They are constructed from etches of my own design with brackets from Scalelink Fretcetera. The pillars for the up platform were 3D printed for me by a friend from my own drawing and the glazing cut from OHP film by Alisdair Campbell on his Silhouette cutter.

The buildings are by Mike Rasmussen of the Grampian AG, are incomplete and are not part of the entry, but there to put the canopies in context.





M29 Midland Railway Loco Shed.

Midland railway two road shed, coal stage and water tower. Built almost entirely in plasticard with etched windows. The water tank is 3D printed. Painting is mainly enamels with weathering using a combination of washes, dry brushing and powders.



M36 Truman's Brewery.

One of the buildings from my DJLC entry. This was designed on Autodesk Inventor then broken down into various parts which were printed on a PLA 3D Printer. The resulting kit was glued together with the resulting structure skinned with Plastruct Brick sheet and Ratio roof tiles. Windows glazed with microcope slide covers and the bars cut from vinyl sticker which was painted after cutting but before removal. Cutting was done using a Silhouette Cameo cutter with the windows designed on the accompanying software. Airbrushed in enamals. The sign was printed on the resin printer and whilst Truman's was a brewery in Burton-on-Trent between the Wars (I can't remember who took it over but I think it is now part of the Bass empire) I don't think they ever had an Emu Ale!



M39 Dolvin Road Cottages , Tavistock

These buildings were built from card with printed paper overlays. The printing was done in Photoshop, merging brick surrounds with Scalesscenes stonework. The windows are a mixture of images of the real windows from Google street view and other windows from sites such as Shutterstock. Separate layers were created for the stone/brickwork window surrounds and for the windows. This allowed the windows to be recessed behind the brick window surrounds that were wrapped round the window recess to create an appropriate 3D look. Slate roofs are from Ian Barefoot's Clearolutions range of printed adhesive labels. They are enhanced with Indian ink and weathering powders. The decorative chimney pots are scratch built from metal and plastic. Garden details are mostly Woodland Scenics products. The garden shed and greenhouse are etched Langley models.



M40 Tavistock GWR Station Building and Train Shed

The main building was built using Ratio embossed stone and brick sheets. Windows and doors are custom etches from Bill Bedford. The roof slates are printed adhesive label by Ian Barefoot's Clearolutions, weathered with India ink and a variety of brown powders. The train shed roof and 13 support trusses are soldered from brass section and various thickness steel guitar strings. The under roof planking is scribed plastic

and the slate surface is again printed adhesive labels. The outside wooden wall of the trainshed is made from layers of scribed plasticard on the side facing the platform and the timber planking on the outside is made from strips of adhesive label. The overall roof is removable for track cleaning but in the photograph has not quite been clipped fully in place, leaving a gap that is not usually there.



M48 Brunel style station building, based on Culham GWR

ArchLaser – laser cut plywood/card kit.

Built, more or less according to the instructions, but end extensions swapped end for end. Glued together with Cyano superglue.

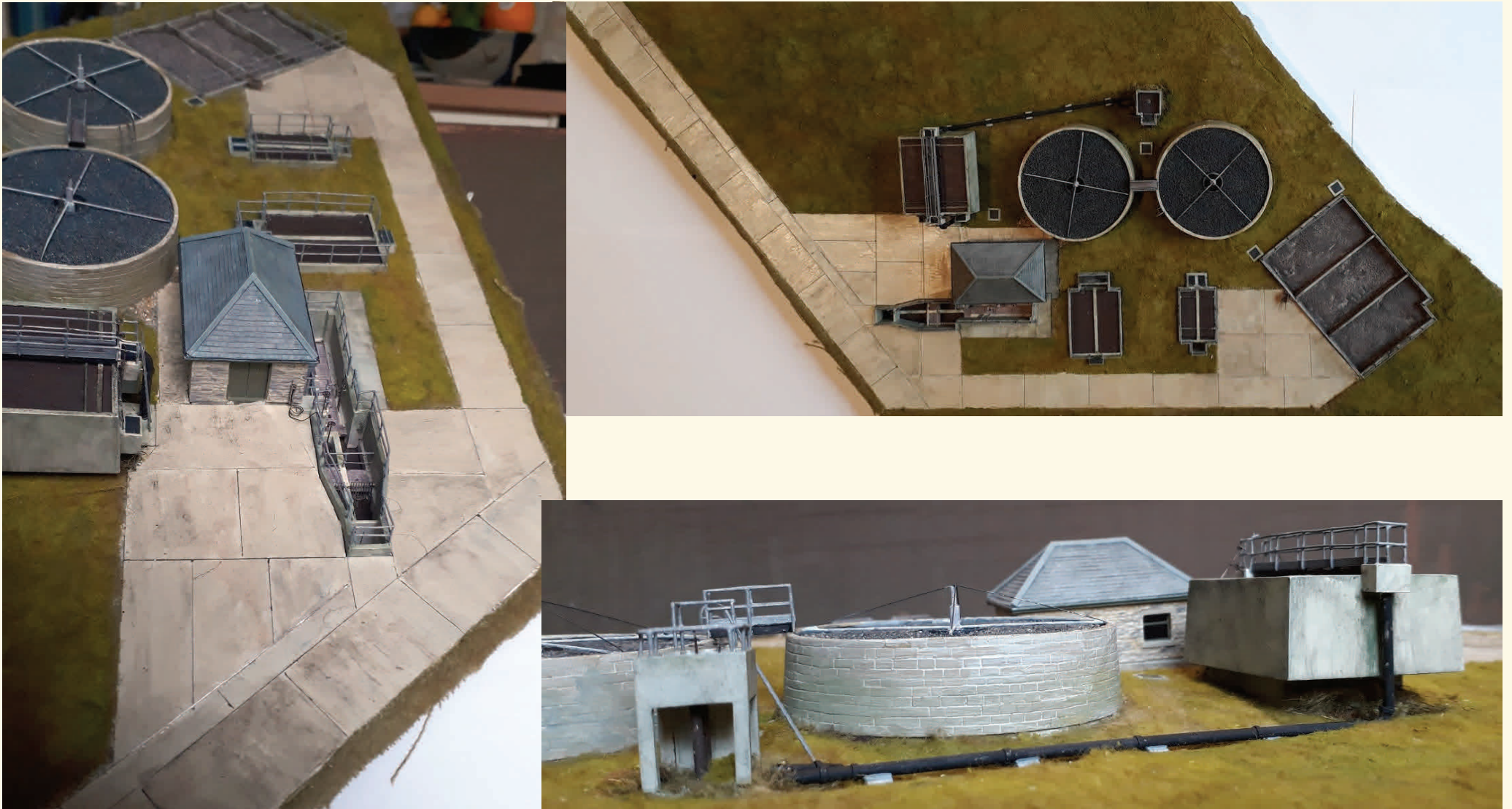
Amazing laser cut brickwork – but tricky to paint. Brickwork sprayed with red car primer aerosol, and then tester emulsion brushed over and wiped off with kitchen towel to leave mortar infill. Some dry brushing afterwards. Stone corners painted with tester pot emulsion. Roof painted with acrylics. Light weathering washes, especially on the chimneys.



M49 Hest Bank Sewage Works, as in early 1960s

Foamboard base with kitchen towel "contours". Inlet chamber, pumphouse, tanks and filter beds all from styrene sheet, with handrails soldered up from wire. Valve control wheels from N Brass narrow gauge wagon wheels. Slaters embossed stone on sides of filter beds. Finecast SE embossed stone on pumphouse. Concrete hardstandings and road from black card scribed through paint to show joints. Roof slates self-adhesive paper cut on Silhouette.

(Scenery colouration is temporary. To be redone when installed on layout.)



M51 Hadley Wood station

Hadley Wood station as on the East Coast Mainline circa 1937. The cross-over was removed from the prototype in the 20s or 30s meaning there are no turn-outs on the up line. This enables me to run N-Gauge and finescale trains on the up-line. The fiddle yard for the up line has N/2mm compatible points following the method described by Brian Tilbury in the April 1989 2mm Magazine. In the down platform sits an N2 based on the Langley body with a scratch-built chassis. It pulls a Quad-Art set built from a Bill Bedford etch sadly no longer available. Much work remains to be done including linking up the semaphore up starter.



M54 Harry Gall's cottage and shop

Harry Gall's Cottage and roadside shop stood opposite the station entrance at St Erth until late 1960's.

The model captures the rustic charm and spirit of a humble enterprise and family dwelling in typical Cornish style.

I only had the use of two B&W images to accurately interpret and represent the structures.

Special details include a unique method to produce roof lichen and age the roofs, folded curtains, precise representation of shop signage, shop interior relief, authentic gates and flower boxes. Fine flower beds and rambling roses adorn the cottage

In researching the model, I received stories from elderly St Erth locals who had visited the shop in their youth. I'm also connected with Harry's grandsons who are delighted with the modelled family history. I believe that connecting with the buildings people history helps to get a sense of its character which carries through into the model.

