

**Zeitschrift:** Swiss express : the Swiss Railways Society journal  
**Herausgeber:** Swiss Railways Society  
**Band:** - (2016)  
**Heft:** 128

**Artikel:** Boyd Misstear describes how he used 12 Peco "Manyways" train shed kits to derive an intervention centre for his BLS 'Weston Division' HO scale alpine layout  
**Autor:** Misstear, Boyd  
**DOI:** <https://doi.org/10.5169/seals-854092>

### **Nutzungsbedingungen**

Die ETH-Bibliothek ist die Anbieterin der digitalisierten Zeitschriften auf E-Periodica. Sie besitzt keine Urheberrechte an den Zeitschriften und ist nicht verantwortlich für deren Inhalte. Die Rechte liegen in der Regel bei den Herausgebern beziehungsweise den externen Rechteinhabern. Das Veröffentlichen von Bildern in Print- und Online-Publikationen sowie auf Social Media-Kanälen oder Webseiten ist nur mit vorheriger Genehmigung der Rechteinhaber erlaubt. [Mehr erfahren](#)

### **Conditions d'utilisation**

L'ETH Library est le fournisseur des revues numérisées. Elle ne détient aucun droit d'auteur sur les revues et n'est pas responsable de leur contenu. En règle générale, les droits sont détenus par les éditeurs ou les détenteurs de droits externes. La reproduction d'images dans des publications imprimées ou en ligne ainsi que sur des canaux de médias sociaux ou des sites web n'est autorisée qu'avec l'accord préalable des détenteurs des droits. [En savoir plus](#)

### **Terms of use**

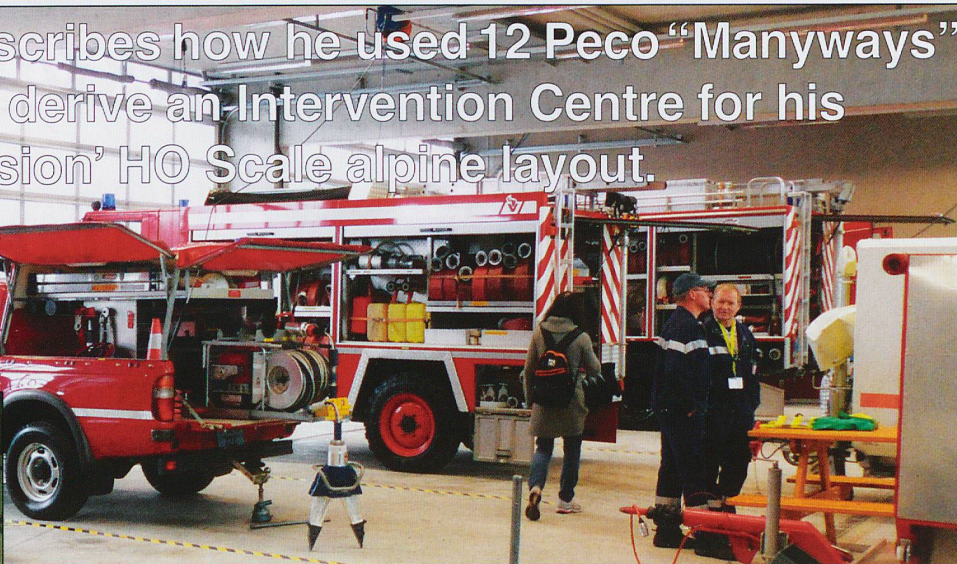
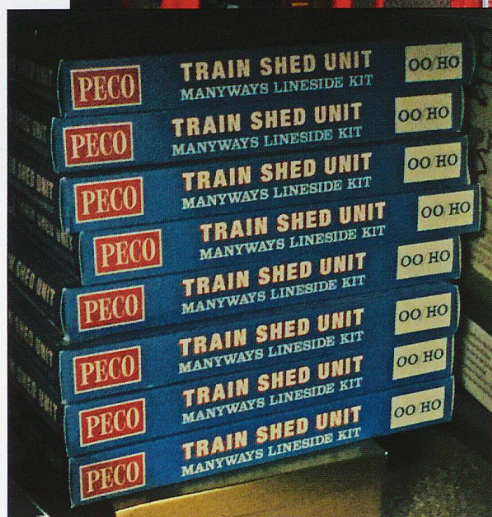
The ETH Library is the provider of the digitised journals. It does not own any copyrights to the journals and is not responsible for their content. The rights usually lie with the publishers or the external rights holders. Publishing images in print and online publications, as well as on social media channels or websites, is only permitted with the prior consent of the rights holders. [Find out more](#)

**Download PDF:** 09.08.2025

**ETH-Bibliothek Zürich, E-Periodica, <https://www.e-periodica.ch>**



Boyd Misstear describes how he used 12 Peco "Manyways" Train Shed kits to derive an Intervention Centre for his BLS 'Weston Division' HO Scale alpine layout.




ABOVE: Inside the BLS IC facility.

Photos: Boyd Misstear

LEFT: Step 1 - Plan and source kits, materials and tools.

the BLS Intervention Centre. This centre is responsible for tunnel incident response. We were welcomed graciously and the BLS guides, Cornelia Grossen and Christian Senn, provided a very informative look into the preparations and constant readiness of the rescue team, and their impressive equipment and this was followed by a conducted trip inside the mountain. It inspired me to see if I could replicate, in some form, but allowing for modelling licence due to limitations of space and scale, the prototype. The prototype rescue train is some 60m in length, equivalent to some 690mm in HO (1:87) scale. I was also trying to accommodate multiple-unit servicing and so this would increase the scale length to some 2000mm. The challenge had been set in my mind to one day make this become a reality. Although I considered scratch building in entirety, I decided to take an easier approach and make use of Peco's "Manyways" LK-80 train shed unit, which measures 350mm long by 170mm wide. This kit is designed to be extended in both length and width. What follows is a pictorial essay on the steps taken to achieve the desired result during the summer months of 2016 – a very modern four track shed sufficiently large to store and 'service' both a rescue train, as well as other items of BLS 'Weston Division' multiple-unit consists. It is

in no-way meant to be an exact replica. For instance, the side wall service door roller shutters were formed from the wall cut-outs turned through 90 degrees, along with discarded plastic 'sprue' cut to size to represent the over-door roller winding mechanism. The shutters were deliberately installed with tacky glue to be removable in case a need arises and cut to different vertical heights to improve realism and offer visibility. The end train shed door brackets were deliberately press fitted (not glued), along with the 50 roof assemblies, to allow for ease of access to individual areas. The main structure is in two parts to facilitate ease of installation. The two-storey end unit was assembled from plastic kit 'left-overs'! A total of 12 x LK-80s kits were assembled, and using LED warm white strips applied to the basswood formed into L girder strengthening frames approaching 600 LEDs were installed at a fraction of the cost or complexity of using individual items! The inexpensive in-line RF dimmer mechanism provides additional realism, as it allows the light intensity to be altered to match day or night conditions on the layout.

Borrowing culinary terms, suggested "ingredients" and "tools" have been assembled into tables to accompany the twelve steps undertaken. These ingredients and tools can be modified to suit your own circumstances. It is assumed for this article normal safety precautions are applied, for example, spray painting is undertaken outside, or in a suitably well-ventilated facility. Particular attention should be taken to instructions 4(a) and 4(b) in the well-designed kit. 

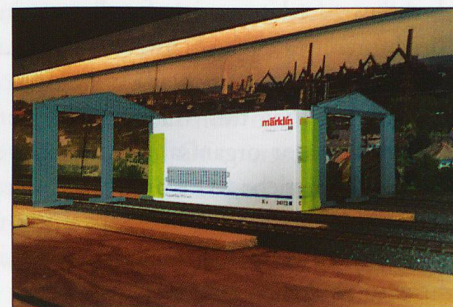
**Editor's Note:** Boyd lives in the community of Weston, Connecticut, and in US Railroad parlance, operating sections of the route are called Divisions, hence the layout's non-Swiss name.



Step 2 - Read the Instructions.



Step 3 - Unpack & Familiarize the parts.

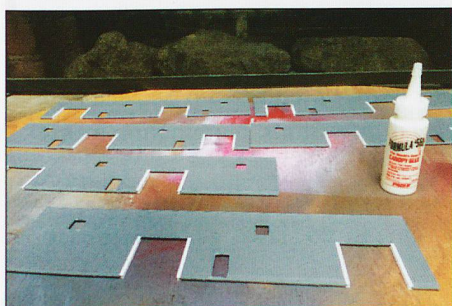


Step 4 - Prepare a mock-up for size.



# MODELLING NEWS

| Ingredients                                                                                                                                                                                                                                                                                                                                                                                                                   | Suitable Modelling Tools                               |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------|
| Peco "Manyways" Train Sheds LK-80 (# as required)                                                                                                                                                                                                                                                                                                                                                                             | Mitre cut-off saw                                      |
| Pacer PT-56 Canopy Glue                                                                                                                                                                                                                                                                                                                                                                                                       | Wire and Sprue Cutters                                 |
| Tacky Glue                                                                                                                                                                                                                                                                                                                                                                                                                    | Selection of screw drivers                             |
| Solder + Flux                                                                                                                                                                                                                                                                                                                                                                                                                 | Pencils and Eraser (rubber)                            |
| Basswood strips (select dimensions e.g. 1/8" x 1/2" x 24 or 36" to provide strength and lighting mounts                                                                                                                                                                                                                                                                                                                       | Paint brushes (various) & Stirrer                      |
| Styrene 'L' and 'H' styles & sizes to suit                                                                                                                                                                                                                                                                                                                                                                                    | Fine antistatic tweezers                               |
| 'Concrete' Colour paint (e.g. Woodland Scenics ST1454)                                                                                                                                                                                                                                                                                                                                                                        | Measuring tape/ruler                                   |
| 'Asphalt' Colour paint (e.g. Woodland Scenics ST 1453)                                                                                                                                                                                                                                                                                                                                                                        | Fine tipped soldering iron                             |
| Tamiya X-4 Blue Acrylic                                                                                                                                                                                                                                                                                                                                                                                                       | Spring clips/clamps                                    |
| Tamiya X-15 Light Green Acrylic                                                                                                                                                                                                                                                                                                                                                                                               | Scissors                                               |
| Vinyl masking tape – 1/8th yellow and white for floor marking                                                                                                                                                                                                                                                                                                                                                                 | Sharp knife + blades                                   |
| Canton Shields (from Swiss Post cards!)                                                                                                                                                                                                                                                                                                                                                                                       | 5/16" Corner Punch (Micro Mark #81652) or similar      |
| Selection of quality spray paints to accentuate building details, e.g. Tamiya range<br>AS-15 Tan (Weathering bottom train doors)<br>TS-1 Red Brown (Rail rust, shutters vents and roof weathering)<br>TS-15 Blue (Internal building frame and external band)<br>TS-17 Gloss Aluminium (building sides)<br>TS-22 Light Green ('human' doors – leave some ajar!)<br>TS-34 Camel Yellow (vehicle pillar protectors and shutters) | Cutting mat<br>Straight edge and flat working surface! |
| LED Lighting<br>LE4100057-WW (Warm White) – 5 metres x 2<br>LE RF Wireless Remote LED Controller<br>12v PSU as recommended by LE for number of LEDs<br>Cut LED strips to desired length at marked locations<br><a href="http://www.lightingever.de">www.lightingever.de</a>                                                                                                                                                   | Suitable colour coded wire – 22 or 26awg or equivalent |
| Track/Gleis/Voie/Binarie of choice!                                                                                                                                                                                                                                                                                                                                                                                           |                                                        |
| Figures, automobiles and other "bits-n-bobs" to complete the ambience and bring to life                                                                                                                                                                                                                                                                                                                                       |                                                        |



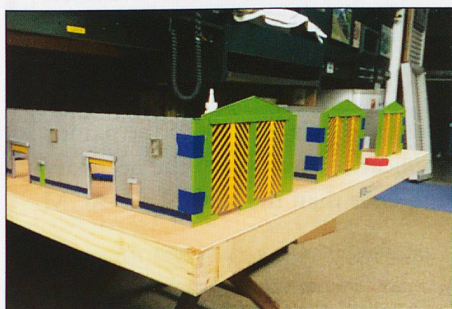
Step 5 - Cut out windows & doors.



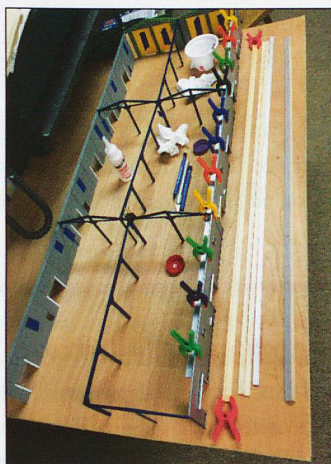
Step 6 - Paint & weather outside for ventilation.



Step 7 - Choose flat assembly surface



Step 8 - Assemble units into manageable modules.



Step 9 - Scratch build and install support frame.



Step 10 - Install LED lighting and test each area.



Step 11 - Move into position and install roofing.



Step 12 - Provide enlivened environment.