

Gatehouse KFNB – construction's instruction

LAS 3001 N; LAS 4001 TT; LAS 5001 HO



The Gatehouse is located between Brno and Šternberk (Moravia-Silesia North railway). It is owned by KFNB and was opened in 1869-1870. The Gatehouse was built in two designs and we offer one of them. If a landscape did not allow building on a plain, the Gatehouse was built on an artificially created embankment. A entrance to a cellar had to remain. These gatehouses were also built on other KFNB railways. The gatehouses served as railway stations, selling railway tickets. Original design: ochre facade plastering, grey retaining wall. The windows open to the outside, the doors to the inside. The color of the doors and windows are brown. The roof was coated with slate, later eternit. The chimney was not plastered.

Preparatory works: First read the instructions carefully and look at all parts of the construction set. Think over each step of construction process and prepare all necessary tools and materials. Carefully remove all parts of the construction set from the cardboard – including the small bridge and all incisions which are throughout the cardboard. Prevent any undesirable breakage by carefully removing any parts that may not have been correctly created during the laser-cutting.

Necessary tools and materials: wooden scantling 2x2mm and 3x3mm on the inside stiffeners of the corners, tempera's, alcohol's and synthetic paints, dispersed and seconds glue, neutral matt lacquer on a furniture in a sprej, wire (diameter 1.5mm or 1mm) on the eaves, aluminium foil, knife for modellers, scalpel, cutting backplatte, steel rule, eraser, forceps, brushes numer 4-6, sandpaper granularity 320-400.

Set building: Glue part 1 and 2 together (facing each other) so that the niche is created around the window (upper edges of the apertures facing). Later glue part 3 on parts 2 and 4 (one window is blinded) and part 5 into the lower part. Likewise, glue part 7 on part 8 and part 15 on part 16. The areal parts are prepared for construction of the gatehouse. Put the perimeter walls together from the completing parts 1, 3, 6, and 7 with the help of the floor 10 and the ceiling 11. Subsequently set the recess of the entrance from parts 15 and 17. Proceed by gluing the stuccos 35 around the windows and door, stuccos 33 and 34 in the shields and stuccos 32 according to upper edge of wall. The gatehouse is prepared for painting.

Before painting, seal up the corners by the abrupt stripe of the newspaper. Alternatively impregnate the corners with the seconds glue which prevents any soaking of water to the cardboard via painting.

Painting: A mixture of painter's color with toning colors or tempera is right with a few drops of a dispersed glue. Regrinding the drops is recommended, crossing over the newspaper in the reinforced corners and then filing the corners of windows. The second painting (little thinner) should occur after the first painting has completely dried.

The retaining wall should be painted in stone colour. There after glue the doors of the cellar from two parts 26 from the inside.

Complete the windows from parts 21, 22, 23 and 24 and the door from parts 18, 19 and 20. Glue a transparent foil below the windows. Complete the big windows into two with the help of window lining (Nr.38) and glue these into the gatehouse. Put a stair compound of parts 14 in front of the gatehouse and paint by shade of the retaining wall. Glue the door into an attic (Nr.28).

Set roof of building: Insert the lengthwise roof bracing Nr.12 between the gables. Bend over the roof 36 and paint the indication tamping from the inside (also part 37) in a grey-brown color. Alternatively, create the boards (which represent wood subfloor of roof) from the balsa or colored cardboard. Glue the shorter traverse part of the roof Nr.37. Complete the supporting beam from the gable side. Produce the tinsmith components from colored paper. Further cover up the roof by eternit (the first line must be down by straight edge). A turndown strip is used like a ridge tile. Glue the windward boards, sheet metal from paper or colored balsa from the gable side. Produce a chimney from a scantling 5x5mm for H0 (alternatively 4x4mm for TT, 3x3 for N) and eaves (twisted aluminium folio or colored paper bended to profile V).

Glue the scantlings carrying the gallery at the door to the attic, a platform with banisters Nr.29 (the banisters are bended up), boards Nr.30 on the floor and carrying scantlings. Complete the stairs from parts 31 and put it on the edge of the gallery and wall.

The model of house is possible to complete e.g. antenna mast, electric mast, electric distributing box, curtains, railway-track telephone etc.

Size of model: scale H0: 81x92x95mm (width, depth, height)
scale TT: 59x67x70mm
scale N: 38x45x42mm

The construction's instruction is only orientational which more so describes the individual construction steps of the building, not a concrete modeller's technology. Each modeller has their own methods of working. It depends on the modeller how the final product will look like. Have fun with this project! If you have any questions or would like further models of buildings, please contact me (domecky.info@centrum.cz). Further models of railway buildings are offered on the website www.kb-model.eu. You can download this construction's instruction there, too.

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