

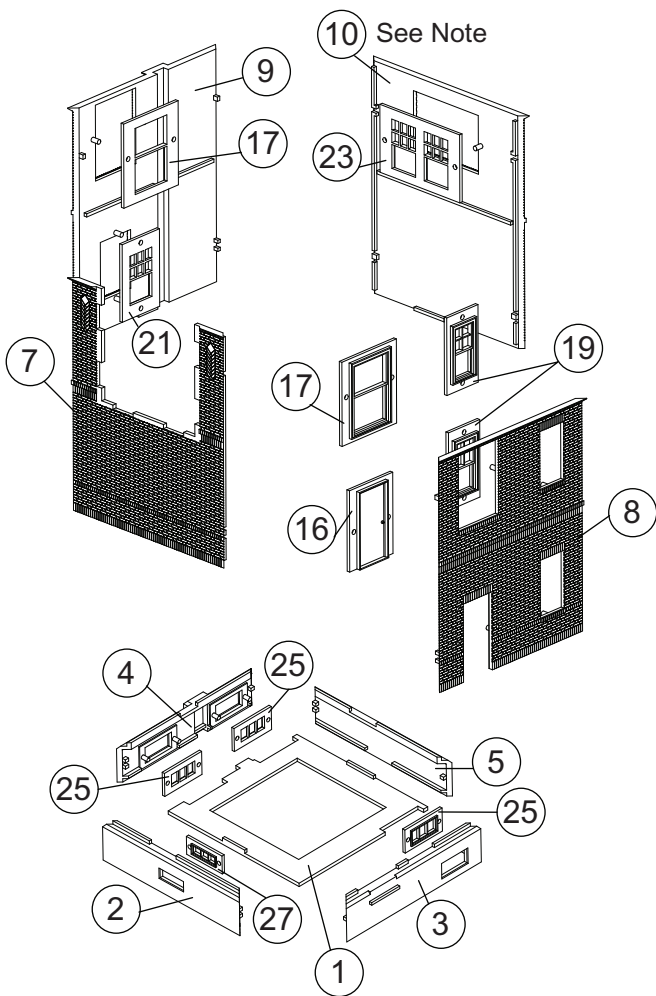


HO Scale Structure Kit PENNSYLVANIA BLOCK AND INTERLOCKING STATION

933-2982

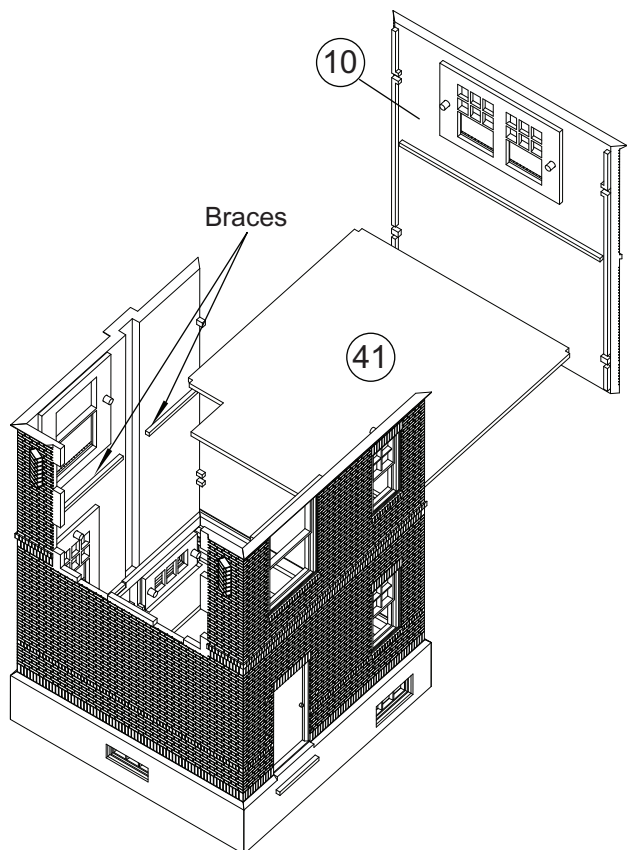
Thanks for purchasing this Cornerstone Series® kit. Please read these instructions and study the drawings before starting construction. Most parts are made of styrene, so use compatible paint and glue where noted. This model is based on a standard design adopted by the Pennsylvania Railroad after 1912 when brick became the preferred construction material. Towers based on this plan were constructed at several locations and other roads used similar designs.

From the 1880s to the 1980s, two-story interlocking towers could be found alongside nearly every major crossing, junction or yard. Using a mechanical (later electrical or pneumatic) interlocking machine on the upper floor, an operator could throw switches, operate locks or derails and set signals to control train movements. The lower level housed the mechanical connections, as well as a furnace and workroom for a signal maintainer. As Centralized Traffic Control and better communication systems took over, fewer and fewer towers were needed. Many were torn down, while others were boarded up but left standing to house relays or other equipment. A few are still in use today, and several have been preserved and restored.

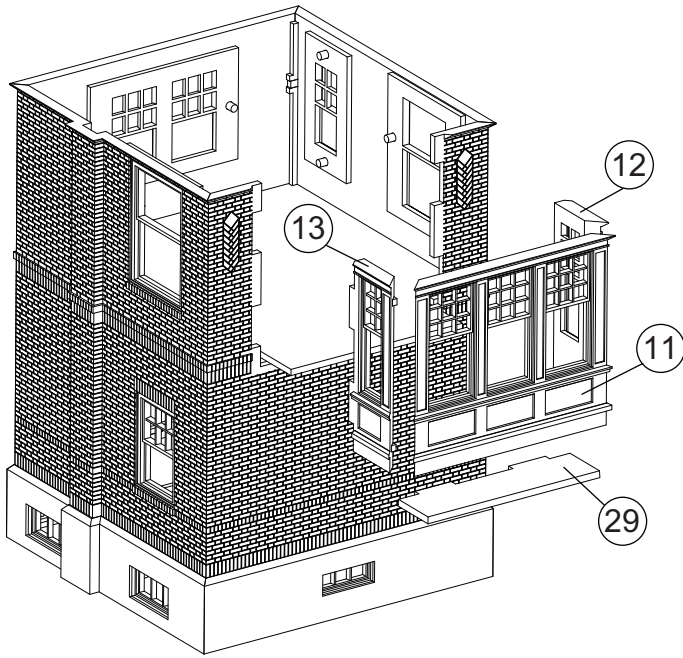


1) Begin assembly by gluing parts (1, 2, 3, 4, 5, 25, 27) . When this assembly dries - cut the acetate sheet provided to match the window sizes. Add the acetate to the backs of the window frames using a water-based contact cement, or clear parts glue.

2) Complete the four upper wall assemblies next, by gluing the Door (16) and Window Frames (17, 19, 21, 23) to the backs of the respective Walls (8, 9, 10) as shown. Like Step 1, cut the acetate sheet to size and glue to the backs of the windows. NOTE: glue Walls 7, 8, 9 together and to the base completed in Step 1, but DO NOT glue wall 10 in place at this time.

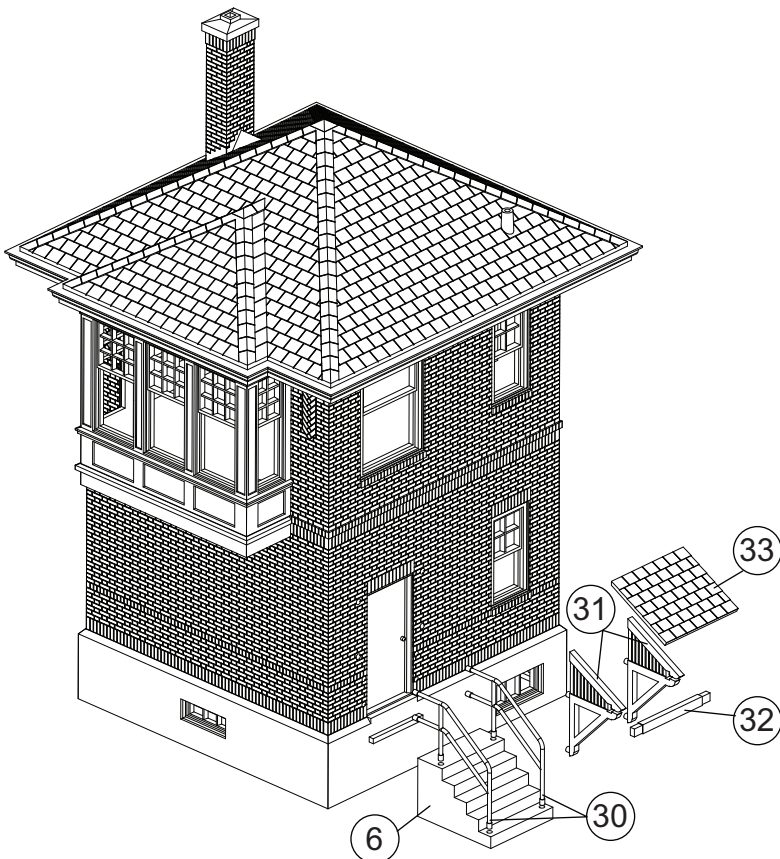
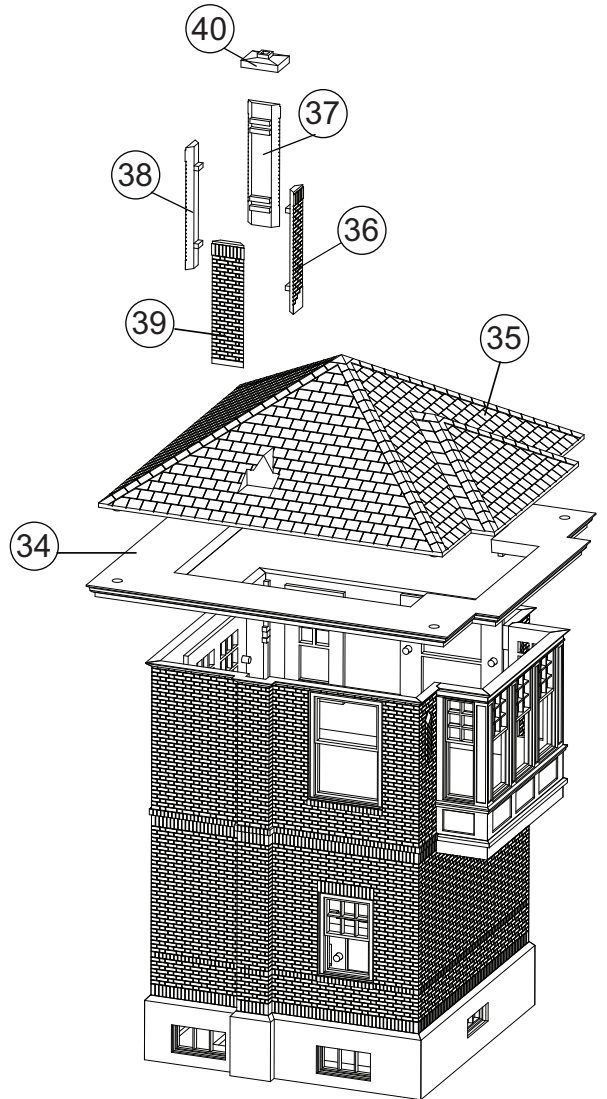


3) The Second Story Floor (41) rests on braces as shown, and slides into position from the back of the structure. Glue the floor in place, and add the Rear Wall (10) assembly at this time.



4) Assemble the Bay Window (11, 12, 13, 29) as shown. Add acetate to the window backs. When dry, place this assembly into the Front Wall and glue in position.

5) Add Roof Eave (34) to the wall tops first. Then glue the Roof (35) to the Eave using the four locating holes and pins for alignment. Glue the Chimney (parts 36, 37, 38, 39, 40) together and to the roof.



6) Glue Stair Railings (30) to the Staircase (6), then glue this assembly to the Side Wall. Slide Cross Brace (32) into each roof bracket (31) and glue to roof (33), keeping all parts square during assembly. Add this assembly to the Side Wall to complete the model.

PRINTED SIGNS

Printed paper signs are provided for a number of prototypes towers. Cut out desired sign and secure to building with a drop of white glue.