



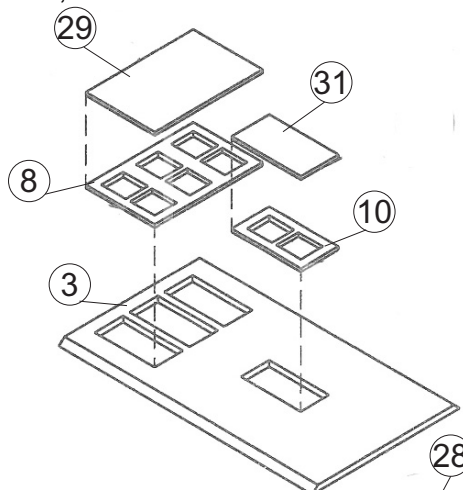
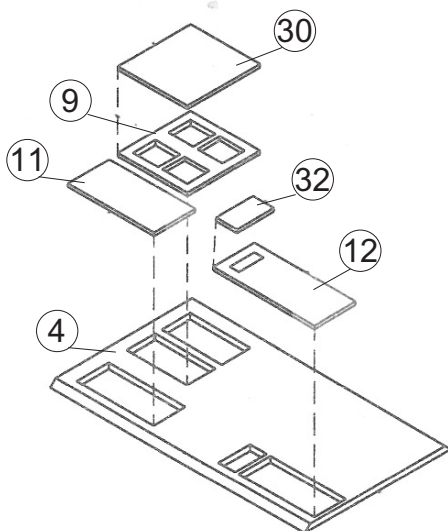
HO Structure Kit

INTERLOCKING TOWER

933-3071

Thanks for purchasing this Cornerstone® kit. All parts are made of styrene, so use compatible paint and glue. Please read these instructions and study the drawings before starting construction. If you wish to paint your model, do so before starting construction. Buildings of this type were usually painted in a railroad's standard color schemes as used on depots and other buildings seen by the public.

As railroads grew, operation became more complicated and dangerous, especially at yards, stations, junctions and crossings where there were numerous switches. A train would be forced to stop while the crew threw each switch, or a switchman would have to be on duty at every turnout. In 1856, John Saxby patented a machine to operate several switches at once. Designed as a cost-cutting device, it also had interlocking controls so only switches on a selected route could be operated. The system was later refined to operate both turnouts and signals several hundred yards away using mechanical levers, rods and cranks. To protect the lever mechanisms, and provide better visibility for the operator, two-story interlocking towers were constructed with the controls on the second floor, while the first housed the lead-out from the interlocking machine and a furnace. Interlocking towers often doubled as train order stations and were equipped with train order signals, as well as telegraph, and telephone equipment. From the 1880s to the 1980s, interlocking towers could be found at most major crossings, interchanges or yards and were also used to safely control train movements over draw and swing bridges. Although electrical technology gradually made life easier for operators, it eventually spelled an end to the familiar trackside towers. With the adoption of centralized traffic control and relay systems, many of the functions were automated and the towers retired. Some remained standing long after, housing relays or other equipment. Your dealer can provide figures, vehicles, track, signals and other details to complete the scene around your new tower, and since they operated 24 hours a day, you may wish to add working lights too. For more ideas, see the current Walther's Model Railroad Reference Book or visit us online at walthers.com



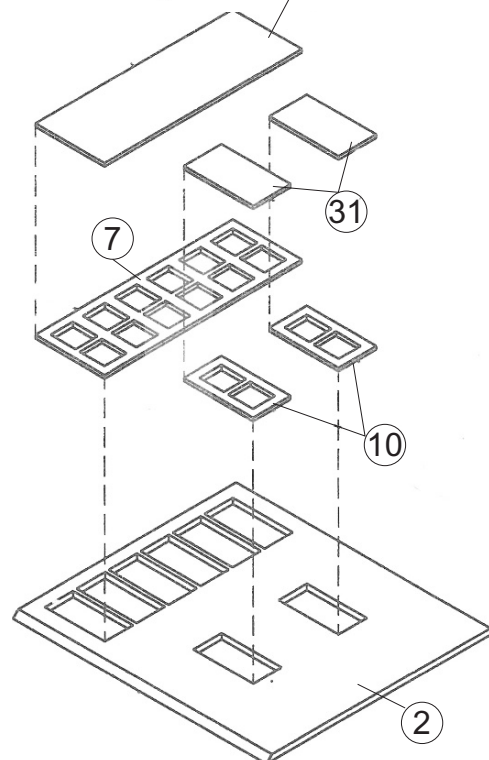
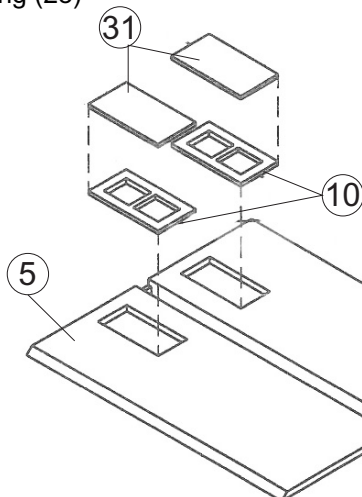
1) Glue Windows, Doors and Glazing to the inside of each Wall as shown:

Front Wall (2): Small Windows (2x 10), Small Glazing (2x 31), Large Front Window (7), Large Front Window Glazing (28)

Right Wall (4): Lower Door (12), Lower Door Glass (32), Upper Door (11), Twin Window (9), Twin Window Glazing (30)

Left Wall (3): Small Window (10), Small Glazing (31), Triple Window (8), Triple Window Glazing (29)

Rear Wall (5): Small Windows (2x 10), Small Glazing (2x 31)



2) Using the raised ridges to help with alignment, glue Walls (2, 3, 4, 5) together and to Base (1) as shown. Glue Soffit (23) to tops of Walls.

3) Note the flat front on the first step of the Large Stairs (13) should be at the bottom as shown in the drawing. Note the small locating pins on the bottom of the Left (17) and Right (18) Handrails and carefully cut from sprues. Begin assembly by gluing Left and Right Handrails to Large Stairs. Test fit the Lower Platform (15) to the stairway; carefully file or sand the inset mounting points if needed, then glue to Left and Right Handrail. When dry, glue to mounting holes in Base and raised ridge on Left Wall.

4) Note the flat front on the first step of the Small Stairs (14) should be at the bottom, facing the Lower Platform (15). Note the small locating pins on the bottom of the Platform Railing (19) and carefully cut from sprues. Test fit the Upper Platform (16) to the Upper Platform Railing; carefully file or sand the inset mounting points if needed, then glue to Railing. Glue End Railing (20) to Platform and Railing. PLEASE NOTE: Glue Small Stairs (14) to inside of Platform Railing, test fit these parts to the Base and the Side Wall (the Upper Platform fits in the small recessed area on the Side Wall, directly below the doorsill and above the mounting ledge) and adjust Stairs so they rest on the Lower Platform before the glue dries. Glue completed assembly to Base and Side Wall.

5) If you wish to have the Roof (6) removable to add other details or lighting, sold separately, set it in place on the Soffit. Glue the Chimney Walls (4x 22) together. Using the open area in the Roof as a guide, carefully glue the completed Chimney to the Back Wall.

6) Glue Downspout (21) to edge of Rear Wall and Soffit as shown. Center the Interlocking Rods (25) between the Tower and your tracks; these can be glued in place on your layout if desired. Center the Interlocking Leadout (26) over the Rods, with the edge facing the Tower.

DECALING

1. After cutting out the decal, dip in water for 10 seconds, remove and let stand for 1 minute. Slide decal onto surface, position and then blot off any excess water.
2. Lightly brush Micro Sol® on top. This will soften the decal allowing it to conform to irregular surfaces. DO NOT TOUCH DECAL while wet!
3. When the decal is thoroughly dry, check for any trapped air bubbles. Prick them with the point of a small pin or hobby knife blade and apply more Micro Sol®.