



HO Structure Kit

ELEVATED CROSSING TOWER

933-2945

Thanks for purchasing this Cornerstone kit. Please take a few minutes to read these instructions and study the drawings before starting construction. All parts are made of styrene, so use compatible paint and glue to finish and assemble your model. You may find it easier to build and paint some parts as subassemblies.

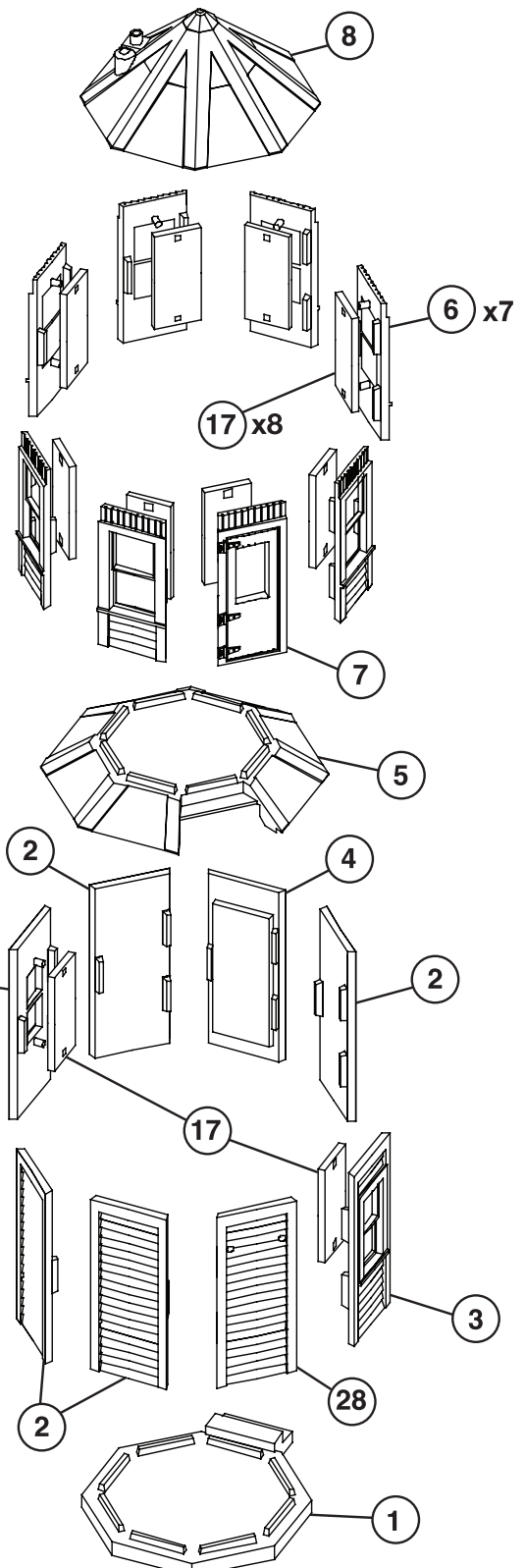
Built to be functional and fancy, these tiny buildings once protected street and highway crossings at many locations across the Chicago, Milwaukee, St. Paul & Pacific system. Used in both urban and rural locations, the octagonal shape provided the gateman stationed on the upper level with a clear view of oncoming trains and traffic from any direction. From his lofty perch, a pneumatic control system (many were built well before electricity was available or reliable) consisting of a hand-pumped air piston and valves allowed him to raise and lower crossing gates as needed. Some towers were also equipped with a manually operated warning bell similar to those on locomotives that he rang with his free hand, although powered versions appeared in the 1950s. As they were highly visible to the public, and often located near passenger and freight operations, the towers were well maintained and painted in standard colors (the Milwaukee used light gray with dark gray trim for many years). Tools, spare parts for the gates and pneumatic equipment plus fusees (red-burning flares) and flags for manually stopping traffic if the need ever arose, were kept outside in a small shed, while a coal bin provided fuel for heating during colder weather. Typical of crossing towers in use since the 1900s, your new model will be right at home alongside steam or early diesels, and many remained in regular use into the 1970s when they were finally replaced by automated gates and flashers. For additional scenery materials, signals figures and more to detail your scene, see your local hobby shop, check out the current Walthers Model Railroad Reference Book or visit us online at walthers.com.

1) Insert square openings on backs of all Window Glass (10x 17; two on first floor, eight on second floor) over pegs on backs of windows in Lower (2x 3) and Upper (7x 6) Walls, and Upper Entry Door (7): secure with white glue to prevent damage.

2) Align tabs and slots on backs of each wall, glue to Base (1) and at inside corners where parts meet from right to left as shown: Plain Lower Wall (2), Wall with Stair Support (28), Lower Window Wall (3), Plain Lower Wall (2), Entry Door (4) directly in front of molded step, Plain Lower Wall (2) Lower Window Wall (3), Plain Lower Wall (2).

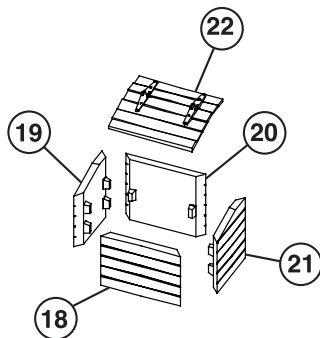
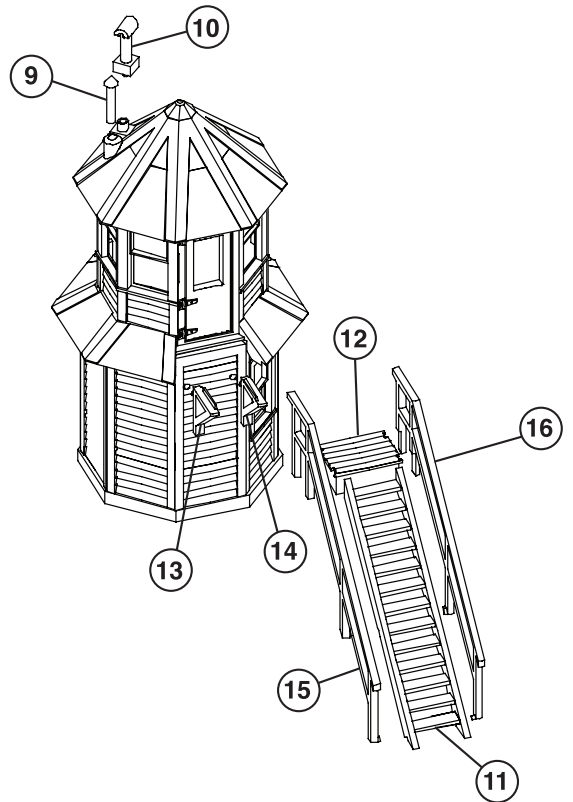
3) Align Lower Roof (5) as shown, with open area above Lower Wall with Stair Support, and glue to top of lower wall assembly.

4) Glue Upper Entry Door (7) to raised ridge on Lower Roof directly above Lower Wall with Stair Support as shown. Align tabs and slots and glue Upper Walls (7x 6) to Lower Roof and at inside corners where parts meet.



5) Glue Upper Roof (8) to top of upper wall assembly. Glue Smokejack (10) and Vent Pipe (9) to Upper Roof as shown.

6) Glue pins on backs of Left (13) and Right (14) Brackets into mounting points in Lower Wall with Stair Support (28). Note the correct alignment of the Stairway (11) and glue Left (15) and Right (16) Railings to outside edge. Note the correct placement of Landing (12) on the flat portion of each bracket, glue where parts meet and allow to dry. Align completed stairway as shown and glue upper edge to front of Landing.



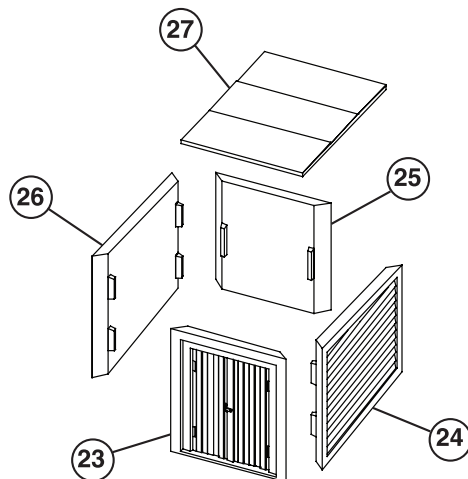
Coal Bin

7) Align tabs and slots on back of Front (18), Left (19), Rear (20) and Right Walls (21), and glue at inside corners where parts meet. Align inset area on underside of Cover (22) with top of wall assembly and glue where parts meet.

Storage Shed

8) Align tabs and slots on back of Front (23), Right (24), Rear (25) and Left Walls (26), and glue at inside corners where parts meet. Align inset area on underside of Roof (27) with top of wall assembly and glue where parts meet.

Repeat these steps to assemble the second Crossing 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®.