

COLORADO MODEL STRUCTURES

Design Hints and General Instructions

1/24 Scale Building - Washow Valley Water Tank - CMS3009

PLEASE READ ALL DIRECTIONS BEFORE BEGINNING ASSEMBLY

Tools and Supplies Required are a razor knife, file, scissors, tweezers, 18" square, masking or edging tape and a glue suitable for hi-impact styrene. Flat back clippers, sand paper, and other model building tools are helpful.

As with any project involving the use of sharp objects, hand and power tools, and adhesives, It is recommended that extreme care be exercised in assembling this kit. It is recommended that no one under the age of 12 be allowed to work with this kit and that all minors be supervised at all times. Because some of the trimmings from this kit can be very small, it is recommended that children less than 6 not be allowed in the working area.

If your project is to be painted take care not to get fingerprints, oily substances, or glues on the parts, as the paint will not stick as well or may cover differently. As some oils are inherent in the manufacturing process it is recommended that all parts be washed thoroughly with a mild soapy solution and then rinsed several time.

Before assembly begins, each piece should be carefully trimmed to remove any excess flash. Flash is the very thin plastic that extends in an irregular pattern from the edge of the piece. Flash should be removed from the outside edge of the roof and wall sections. There is a .045" x approximate .045" overlap at the right end of each side wall. Do NOT trim this overlap until all parts are fitted as the overlap matches left end of the adjoining side wall. Be especially careful trimming the matching 45 degree corners of the side walls, end caps, and roof sections. Pay particular attention to trimming the gate area(the small piece of plastic coming out of the wall and roof sections) so that the part is trimmed or filed flush but none of the detail is taken off of the outside surface of the part. The parts may now be painted if desired.

Cement only two sides of the water tower at a time and allow to dry as the weight of the pieces can pull the building out of square. Use the 18" square to ensure square corners. When all four side walls are assembled, the roof can be assembled according to the directions on the drawing on the reverse. The assembly should be set aside with the peak side up to dry. Do not cement the roof in place until the Spout assembly is complete.

Locate the spout stationary section in the location show by the dotted outline on the drawing. This location may be changed, if necessary, to accommodate terrain or rolling stock. Mark the two hole locations using the two small holes at the top of this section as a guide in the position desired on the tank side. Drill the hole locations on the tank side with an 1/8" drill. Assemble the stationary piece to the tank side by cementing the back side and placing on the tank side aligning the two holes. Place the two 2-56 x 5/8" brass bolts with the hex head out thru the hinge and with hinge pivot hanging down and out, thru the stationary spout section, thru the tank side drilled holes, and fasten with two of the brass nuts provided. Place a drop of cement on the nut for a thread lock if desired and let dry completely.

Cement the two spout halves together being careful to match the two sides and bind together with clamps or rubber bands. Let dry completely.



Enlarge the opening in the spout hinge section gradually until the large curved end of the spout fits snugly into the opening. Position the spout in the opening where you are satisfied with the angle of the spout downward from the hinge section. Cement in place and allow to completely dry. Remove any excess plastic from the rear end of the spout behind the hinge section. Some excess will fit into the hole in the stationary section..

With the loose end of the hinge at a 90 degree angle to the side, place the two 2-56 x 1/4" brass bolts with the hex head out thru the hinge, then through the hinge section, and fasten from behind with the two brass nuts provided. Cement the nuts for a thread lock if desired. The two nuts should fit into the two small holes beneath the hinge pivot and any excess spout protruding from the back should fit into the large hole.

Finish as above and your tower is complete. Add your own touches for a structure that is uniquely yours.