

IX. Structure Kits

Structure kits are made in a variety of materials including resin, hydrocal, paper, and wood. All yield very interesting models, but construction methods are different.

Stone Mill Models



Engine House
(constructed by Stone Mill Models)

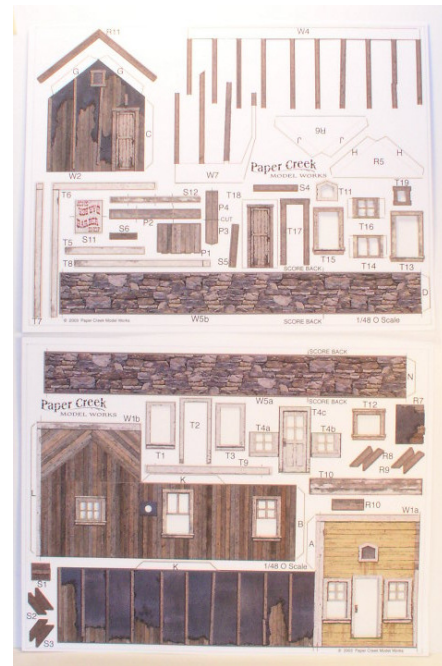


Store
(Model constructed by Stone Mill Models)

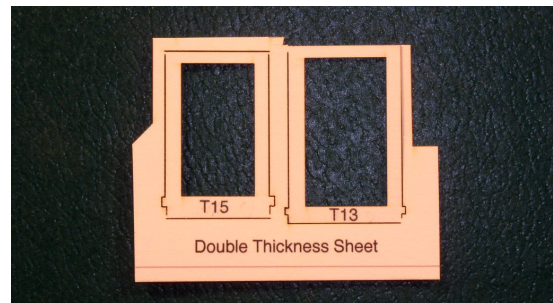
Paper Creek Model Works

Randsburg Barbershop

A unique concept is the laser cut paper kit. Kit parts are printed in color on a sheet of paper and almost cut out. The modeler only has to make a few cuts to remove the pieces. When thicker pieces are needed, several layers of paper are glued together.



One of the printed laser cut sheets included in the kit.



These double thickness pieces are in the O scale kits to give greater depth to areas like windows.



The completed major subassemblies.



The completed Barbershop shown with optional base.

Thomas A. Yorke
Painless Dentist

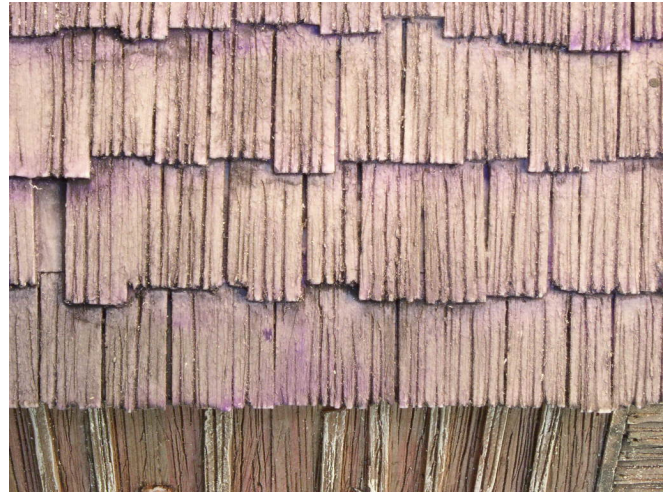


This kit represents a western building in a run down condition. Walls and roof are resin, base is hydrocal, rear roof is cardstock, porch and trim are basswood.



The hydrocal base was stained with thin gray acrylic, then thin black was painted over the stone faces, and white into the cracks. Highlights are added to the stones with green and purple.

The resin parts were sanded to remove the glossy surfaces and then washed in soapy water.



The roof was painted with flat gray enamel and allowed to thoroughly dry. Then water and a bit of black acrylic was brushed on. This causes the black to flow into the cracks, creating depth. Next, a mix of acrylic black and purple were brushed along the edge of the shingles for highlights.



Walls are painted with brown, thinned just enough to run off of the highlights. The rear section (with horizontal boards) was painted a different color of brown in order to contrast with the main walls. When the brown was dry, a thin wash of black was used to create shadows. When the black dried, ivory was dry brushed over the raised areas to provide highlights.



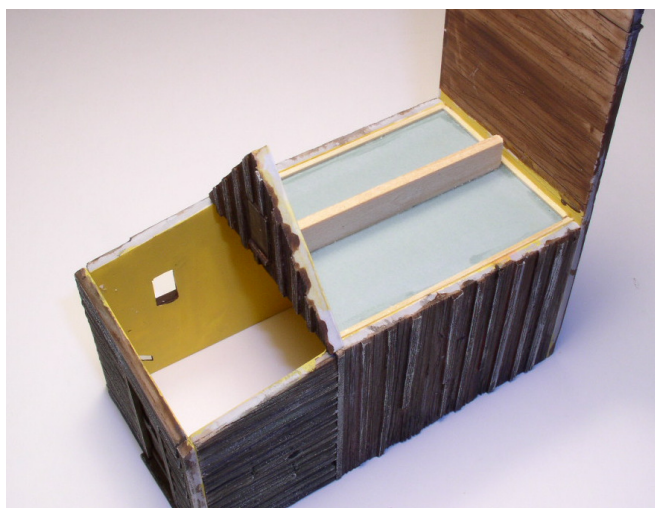
The front doors were cast as a solid piece, but were cut into two pieces so they could be open.



Paper Creek Model Works #208 Wood Wall or Floor is glued to the base and fits between the walls. Basswood triangles keep the walls in place. The sidewalk was reinforced with basswood and glued to the hydrocal base.



A front/side view of completed building. Testors Copper was used to highlight the details on the false front. The sign is painted with splotches of various colors to look like an old weathered sign.



The walls were glued to each other while sitting on the base. A cardstock ceiling was scratchbuilt and reinforced with basswood. The interior is painted yellow.



Thomas A. Yorke
Bank/Jail



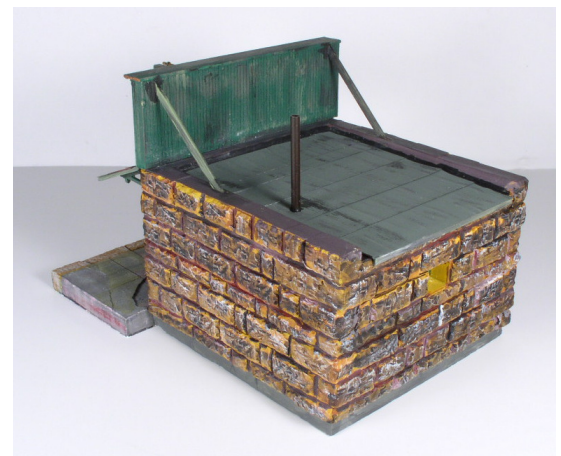
This hydrocal kit includes enough parts to make a bank or jail. Walls intersect with each other to create a strong structure.



Walls were assembled without glue to make sure they fit well. Then they were disassembled and glued together using Duco Cement.



The gaps were filled with Fast 'N Final Lightweight Spackling by DAP. This was rubbed into the joints and then given a light application of water to cause it to melt and run into the cracks.



Color was added by painting the stonework a yellow and using red and black for mortar. Light gray was dry brushed over the rough spots. A sign pole was made from a piece of brass tubing and the hangers made from brass wire. The sign is made of basswood.

Railway Design Associates Firehouse & Buck's Bathhouse

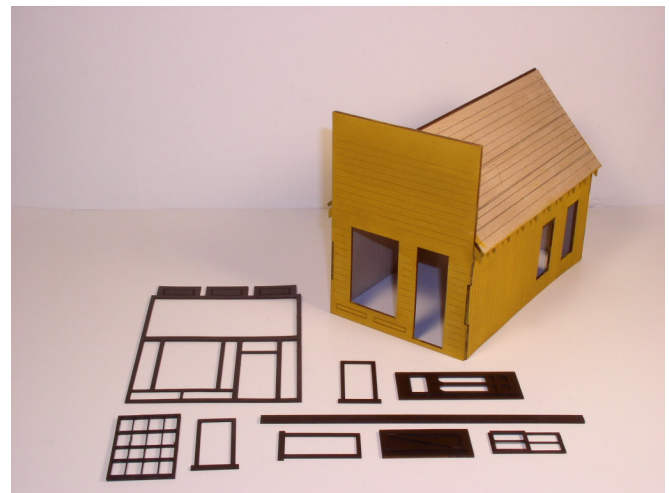
Laser cut wood kits. Walls are notched to fit together easily. The trim pieces and windows are cut from a single sheet of wood so they don't have to be built board-by-board



Buck's Bathhouse



Firehouse



Trim is painted dark brown for contrast. This brown was made from Testors Flat Black and Flat Red.



The firehouse walls and roof are assembled and painted with a mix of blue and antique white.



The trim was painted to produce a three color scheme using acrylic paint.



Lines are drawn on both roofs to help align the shingles.



Builders In Scale shingles were used on both buildings. Terra Cotta on the Firehouse and green on the bathhouse.



Both kits completed.



This shed was attached to the bathhouse kit, but was built as a stand alone building. White acrylic paint was tinted with red to create a light pink color. Builders In Scale Truewood Red Cedar Shingles are applied to the roof.