



## Overview

Bakers Country Store is a craftsman structure kit made from wood, paper, plastic and Hydrocal plaster. If you take your time, and follow these instructions, you will be pleased with the final results.

### Tools

You will need the following tools to assemble this kit:

- X-Acto knives with # 11 and #17 blades
- Curved and straight tweezers
- Metal HO scale ruler
- Metal modelers square
- Rubber cutting mat
- Wood file
- Northwest Short Line Chopper
- Pounce Wheel
- Pencil

### Adhesives:

You will need the following adhesives to assemble this kit:

- Pacer Industries Formula 560 Canopy Glue or white glue
- Medium viscosity ACC with accelerator

### Paints and Paint Brushes

You will need the following paints and paint brushes to assemble this kit:

- Polly Scale Reefer White
- Polly Scale Coach Green
- Polly Scale Reefer Gray
- Polly Scale Grimy Black
- Gray automotive spray primer
- Red automotive Spray primer
- Polly Scale Depot Olive
- Polly Scale Aged White
  
- ¼ " nylon flat brush
- 1/8" nylon flat brush
- #000 fine detail brush

You will also need:

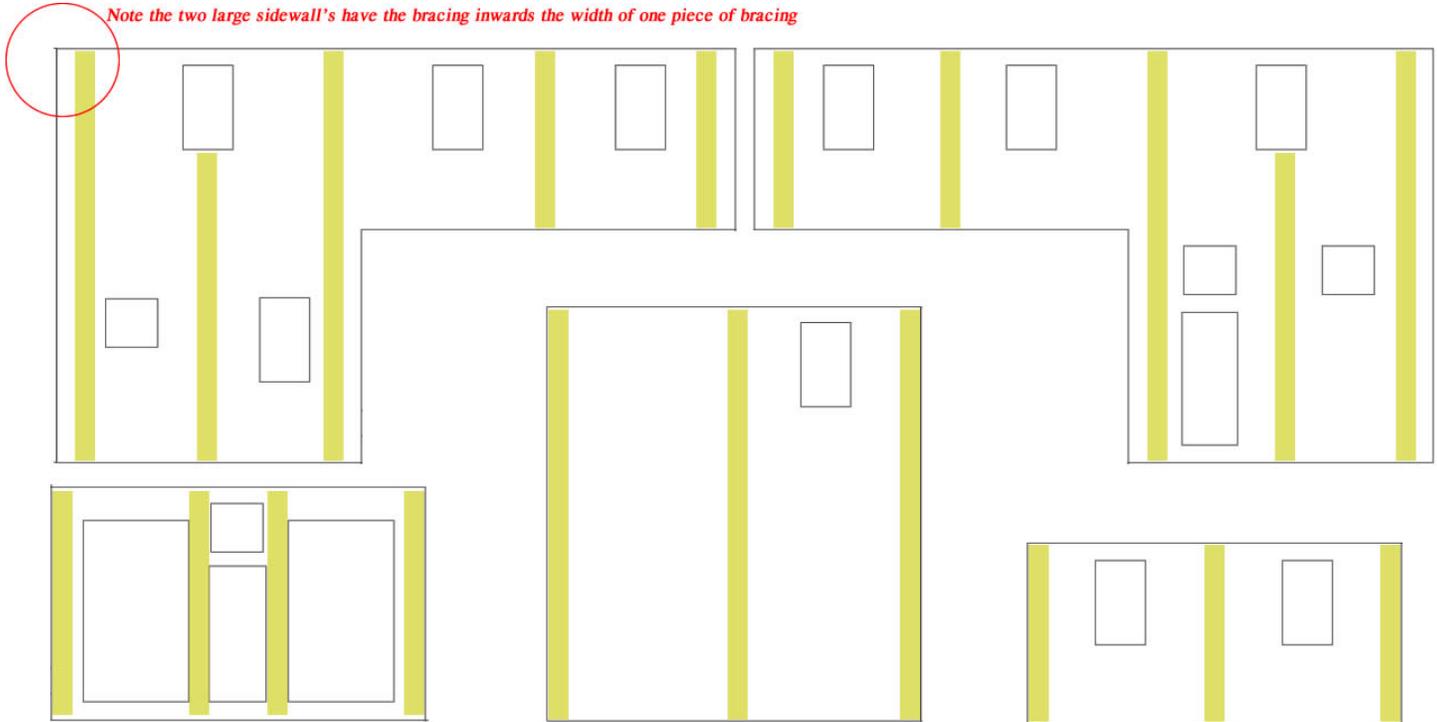
Medium strength rubbing alcohol and India Ink:

1 pint 90-percent Isopropyl alcohol mixed with two teaspoons of waterproof India ink

## Let's Get Started

### Working with Wood

Locate the five walls to the structure and following the bracing diagram below, brace the backs of each wall using 1/8" square strip wood provided in the kit. Glue the wood to the walls with Canopy Glue or white glue and let dry for one hour. You may need to place the walls under weights so they do not warp.



**Bracing Diagram NOT TO SCALE**

After the glue has dried, stain all five walls with the alcohol and India Ink mix, and let dry. The walls will appear dark at first, but will lighten considerably as the alcohol dries. Allow ½ hour for the stain to dry.

After the stain has dried completely, paint all five walls with full strength Polly Scale Reefer White paint, using your ¼" flat brush. Paint in a horizontal direction, following the grain of the walls. Allow the paint to dry thoroughly.

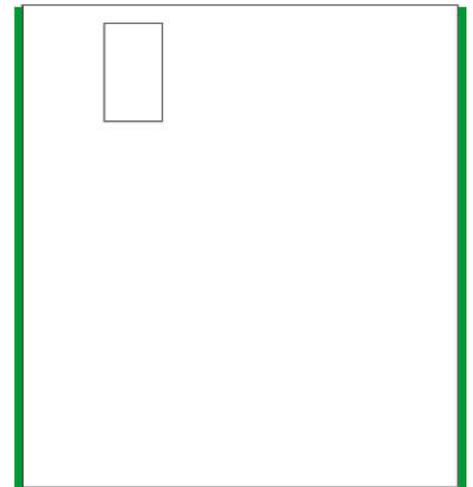
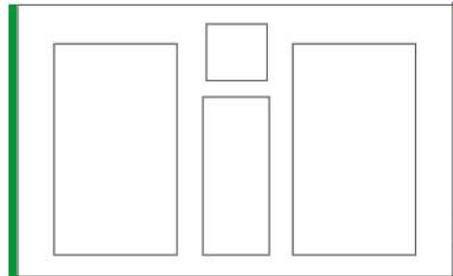
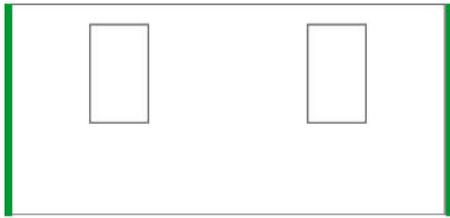
After the paint has dried, use the scale ruler and your pencil to make a light pencil mark every three scale feet on the top and bottom of each wall. Use the ruler as a straightedge, and roll the pounce wheel along the ruler to make rows of nail holes. Line the ruler up with the top and bottom pencil marks.

Coat the walls with the alcohol stain, and let dry.

While you're waiting for the paint to dry, locate the 1/16" square strip wood, stain it with the India Ink, and paint it with Polly Scale Coach Green and allow to dry. When the paint is dry, brush the stain on the pieces and let them dry.

When the wood walls, and the 1/16" square trim pieces are dry, follow the diagram on the next page, cut and glue the trim pieces to the appropriate walls. Make sure that any paint that has crept onto the edges of the walls is lightly sanded or scraped away before gluing on the trim pieces in order ensure a tight fit. You may wish to test fit these pieces before gluing.

## Corner Trim Diagram NOT TO SCALE



*Here is a look at the 5 walls assembled showing the chipboard underside roof as well.*

*In this photo the corner trim is red.*

Next, glue the five walls together. Use your metal square to make sure the walls are square and plumb. Glue the two long side walls to the rear wall first, then glue the two smaller front walls to the side walls. Make sure there are no gaps where the walls meet the wall trim. Square everything up, and let dry thoroughly. You may want to use some rubber bands to hold everything together.

### Windows and Doors

First, prime all the plastic windows and doors by spraying them with gray automotive primer. Let this paint dry overnight. When dry, brush paint the doors with Polly Scale Coach Green, and allow to dry.

When the windows are dry, glaze the back of each with a thin coat of Canopy Glue. After the glue has dried, you may wish to create the appearance of window shades by painting the top half of the back of each window with a neutral color such as Polly Scale Aged White.

Glue all the windows and doors into the corresponding openings.

### Add the Chipboard Underside Roof

Locate the chipboard roof that goes on the underside of the building, above the gas pumps, and glue in place.

### Working with Plaster

Locate the Hydrocal brick column. Measure the distance between the underside roof, and the ground, and cut two pieces to that length. Paint the two pieces with red automotive primer. When they're dry, coat them with the alcohol stain, and let dry again.

Finally, using the lightest gray chalk from the Weber-Costello Hi-Fi Gray pastel chalk set, brush some chalk onto the pieces and remove by rubbing your thumb over them.

Glue the two castings on either end of the front of the store.

## Roof



*Bracing the Hip Roof*

Locate the rectangle, chipboard sub-roof, position it evenly and glue it to the top of the four walls.

Cut the roof out of the chipboard sheet and score along the lines. Fold the roof to the appropriate shape and glue together. Brace the inside of each of the four sides with 1/8" square strip wood. Glue the assembled roof onto the building.

Cut the tarpaper strips and glue them to the roof, working from the bottom up, and overlapping each sheet about six scale inches. When you have finished all four sides, cut the tarpaper 1/4" wide to make the five ridge cap pieces, and glue in place using Canopy or white glue.

Weather the roof with the Hi-Fi Gray chalks, brushing them in a vertical direction.

## Add the Chimney

Locate the plastic chimney, and paint the same way you did the plaster. Paint the top concrete cap with Polly Scale Concrete paint, and weather with the darkest gray chalk in your set. Position the chimney on the roof, and draw a light pencil outline around it. Use your X-Acto knife to cut out the hole, and glue the chimney in place.

## Rear Stairwell Casting

Locate the rear stairwell resin casting. Prime it with the gray automotive primer and allow to dry overnight. Paint the trim coach green, and the roof Polly Scale Depot Olive. Drybrush the walls and roof with Aged White, and glue the windows and door in place.

Glue the casting to the rear wall with Canopy Glue. Line the left edge of the casting up with the left edge of the rear wall. You may need to use something to keep the casting from falling down while the glue dries.

## Bulkhead Casting

Locate the bulkhead casting, and prime with gray automotive primer. When dry, brush paint with Coach Green, and weather with the alcohol stain. Do not glue the casting to the building until you glue the building to the base, or to your layout.

## Signs

You may choose to follow our sign placement, or find your own sign locations. We picked what we believe are logical spots for our signs. In any case, stain the signs with the alcohol, and cut them out of the sheets. When the stain has dried. Glue them to the building with Canopy Glue.

## Castings

Prime all the metal detail castings with the gray automotive primer and allow to dry for 24 hours.

Paint the gas pumps red and the faces of the pumps with reefer white. Fashion the pump hoses out of a piece of very fine solder, or phosphor bronze wire (not included) and paint black. Glue the hoses to the pumps with ACC. Glue each pump to the Pump Island as shown in the photo. We glued a water barrel in between the two pumps.

Paint the soda machine red, the soda case red, and the bottles green. We painted the trash can silver and weathered it with the alcohol stain.

## Lamps

Locate the lamp castings. Paint the lampshades coach green. Glue the wires to each shade with ACC and paint the wires grimy black. Drill a #80 hole in the three spots indicated in the photos and glue the lamps in place with canopy Glue.

## Building a Base

We build a small display base for our Store. You can do the same, or you may choose to add it to your layout. We cut a piece of pink foam insulation 1" thick by 7" wide and 9" long.

Place the structure on the base and trace its desired location. Mark the location of the pavement or dirt area in the front of the building. We simulated a concrete driveway by simply painting the Styrofoam with an earth-colored latex craft paint. You could also use Polly Scale Concrete if you prefer.

After the concrete has dried, add some oil, grease and rust stains on the surface with various colors of chalks and paints. Give the whole area a coat of alcohol stain when you're done.

Glue the building in place, and add dirt and various ground materials on either side, and the back of the building. Glue everything down with white glue diluted 4:1 with tap water and a drop of dish washing detergent.

We hope you have enjoyed building Baker's Country Store!