

Pinales Petrol is a small gas station with great service and prices. The Pinales family has been in the petroleum dispensary business for decades. In the 1910s, Pappy Pinales was fascinated by that new-fangled contraption called the AUTOMOBILE. He decided to open a gas station on the main road through Mapleton, Utah. Quickly word spread of Pappy's great service and pricing. Now decades later Pappy's great grandson Adam has taken over as head honcho. When you are cruising late at night with your special someone, and notice the gas gauge is getting low, roll on up to Pinales Petrol and topper off. And ALWAYS remember to say, "Fill her up with Pappy Power!"

This kit is a beautiful representation of a small-town gas station. It can be built easily in a few nights. Take your time and enjoy the process. You can build it into Pinales or use your imagination to see what you can come up with for your railroad!

Tools & Supplies

- | | | |
|--|----------------------------|--------------------|
| ✓ Hobby knife, with an #11 Xacto Blade | ✓ 1-2-3 blocks (optional) | ✓ Paints & Brushes |
| ✓ Fine File | ✓ Small magnets (optional) | ✓ Tweezers |
| ✓ Square & Ruler | ✓ NWSL Chopper (optional) | ✓ Patience |
| ✓ Pounce tool or T-Pin/Needle | ✓ PVA glue or wood glue | ✓ Fun |
| | ✓ Cyanoacrylate glue (CA) | |

Pre-assembly

1. Inspect all sheets of laser cut materials against the diagrams provided in the instructions checking for any missing pieces or damaged parts. Please reach out to us with any issue.
2. Before starting your model, read through these instructions completely to become familiar with the parts and assembly sequence.

Bracing & Corner Molding

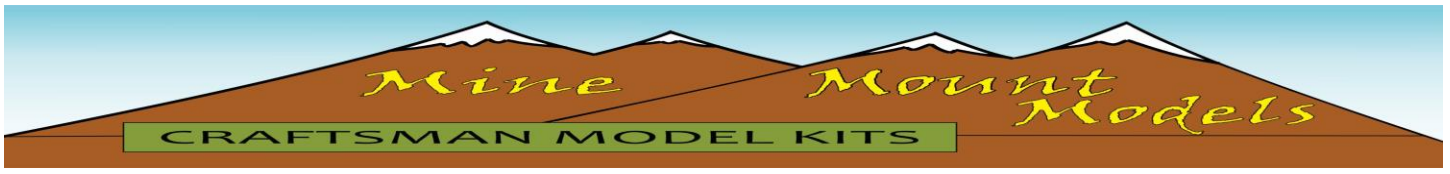
3. In the kit we provide 1/8"x1/8" basswood if you wish to brace the backside of the clapboard pieces. It is not necessary to brace these small pieces, but it is there if you insist. Remove parts #1-4 from clapboard sheet. We suggest you paint the walls and corner molding your desired color before adding the corner molding. Add the corner molding using the 1/16"x1/16" stripwood provided in the kit. The 4 corner moldings are glued to the sides of parts 3 & 4. Cut the 1/16" corner molding about 1/8" longer than the edge of the wall that it will be glued to. Use 1-2-3 blocks or other squared weights to hold it in place while the glue dries. Trim the corner molding flush to top and bottom edges of walls.



Main Building

4. The main building requires parts #1-4. This is the time you want to use 1-2-3 blocks and small magnets to assure the walls are glued together square. Start with part #1, laying clapboard side down. Glue on the 2 square sides (parts #3 & 4). Allow to dry. Then lay down part #2, clapboard side down. Flip over the assembly of parts #1,3&4, and glue the assembly to the edges of part #2 along the corner moldings. Again, square up walls using 1-2-3 blocks and magnets.





Windows & Doors

5. The windows and doors on Pinales are by Tichy Train Group. Just like any plastic kit, the plastic windows and doors need to be washed off with mild dish detergent and warm water. Paint them your desired color. The kit includes a sheet of clear acrylic glazing. Cut the acrylic to match the sizes of the different windows. Use an appropriate glue to stick the glazing to the back of the windows.
6. Install the window and door frames into the clapboard structure. Then use the 1/32"x3/32" stripwood and add trim around the top of the windows and doors.



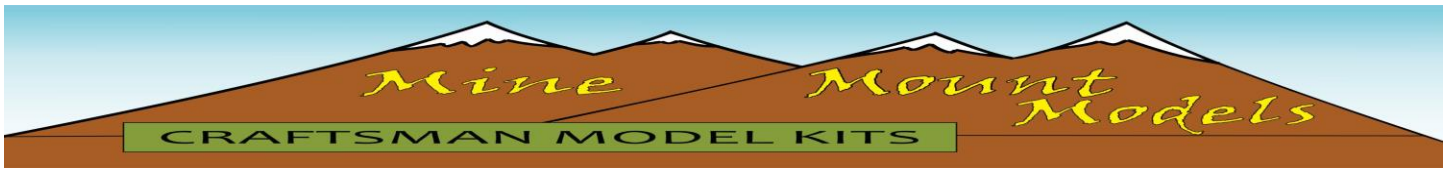
Roof & Rafters

7. Included in the kit is our fixture/jig for assembling for rafters, joists, and stairs. For ensuring PINALES roof rafters are straight, use the fixture to hold 25 rafters vertical in a row. Be sure to apply adhesive to each top edge of the rafters. Then attach the 2 roof panels (parts #5, 6). There are lines engraved on one side of the pieces. Face these up. They will help you align the strips of rolled roofing in the next step. Allow this assembly to thoroughly dry before removing from the jig. Then carefully remove it by gently prying along one side of the rafter tails. This will allow you to pivot the roof out of the jig.



8. Paint the sheet of adhesive rolled roofing included in the kit. We like to use grimy black and brown colors to achieve a tarpaper or rubber roofing effect. You can stick the strips on directly to parts 5&6 or add double stick mounting tape for even better adhesion. Use the engraved lines on the roof to ensure the strips stay straight.

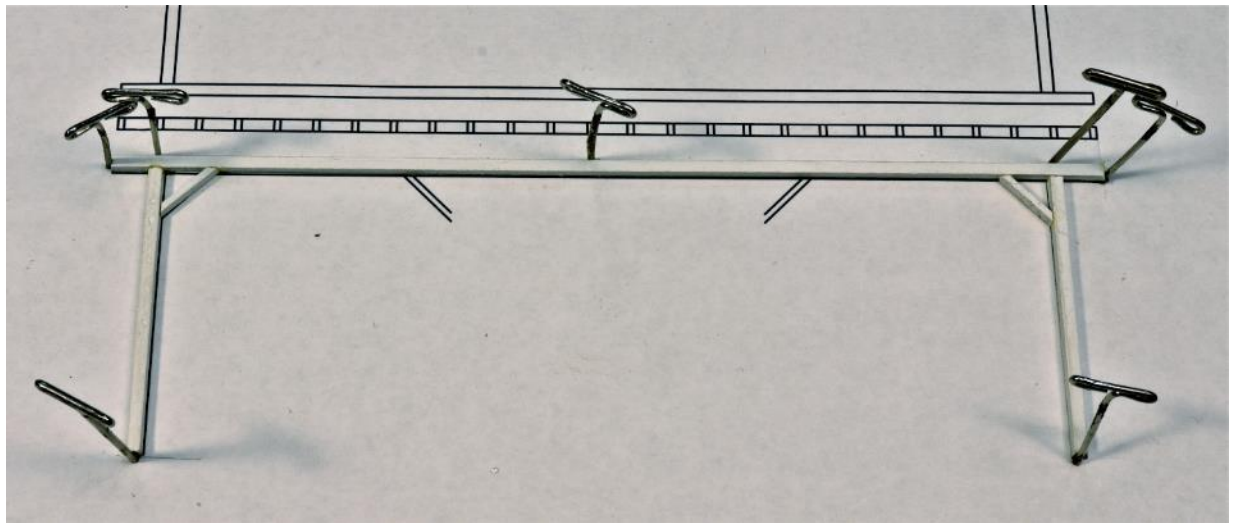




Roof Support Beams

A delicate but vital part of Pinales that gives the kit its open airy feel are the spindly legs that support the roof overhangs. Take your time constructing them, cutting precise lengths and angles will make final assembly easy.

9. Refer to the sheet that has all the signs on it. There is a full size HO scale template "ROOF SUPPORT COLUMNS" that you use to cut the 1/16"x1/16" stripwood to the sizes needed. Mount the template to a surface that you can push T-pins into to hold the stripwood in place while the glue dries. Start by assembling 2 sets of long legs on the SIDE VIEW template. The 45 degree corner braces are made using the 1/32" x 1/16" stripwood.

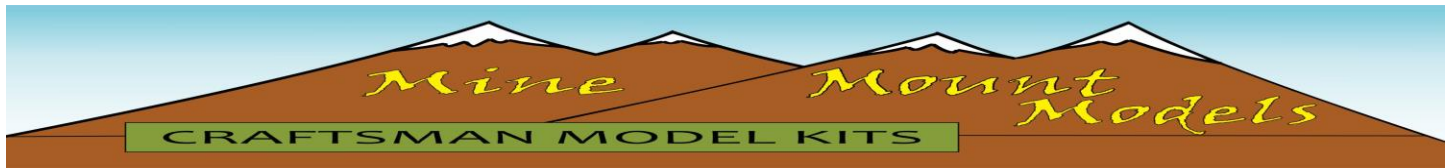


10. Once the 2 long leg supports are dry, cut 2 lengths of 1/16"x1/16" stripwood to fit in between them. Stand the 2 leg assemblies vertical on the TOP VIEW template so the top beam is flat on the surface and the legs stick up in the air. Use T-Pins to hold the legs vertical while the short cross beam dries between them.

11. Glue on 4 of the 45 degree 1/32" x 1/16" braces in the corners created by the cross beams and the long leg assemblies. You should end up with a long rectangular pergola type structure.

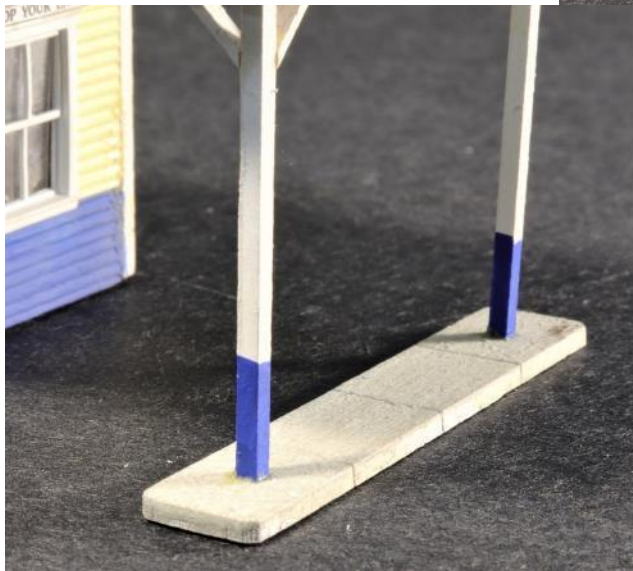
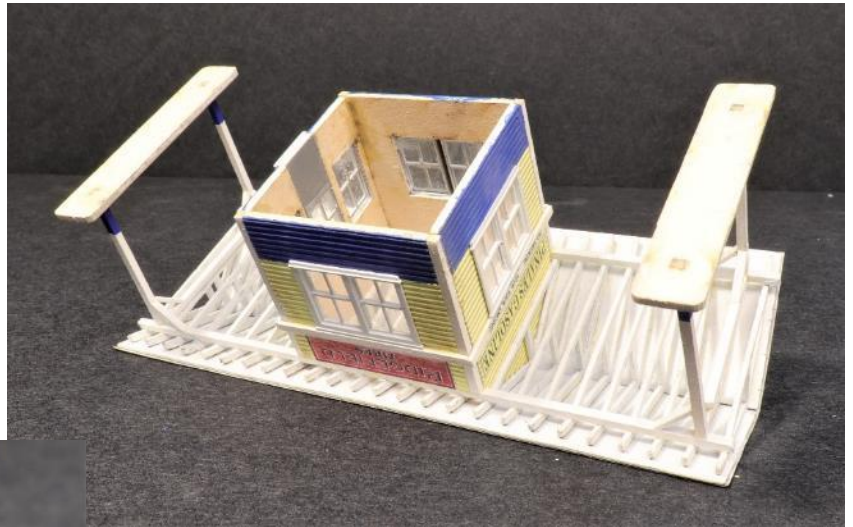
12. The rectangular leg structure is glued to the underneath of the roof rafters. Be sure it is centered with all the rafters. The end of the 2 long horizontal beams should be even with the outside edges of the roof sheathing pieces.





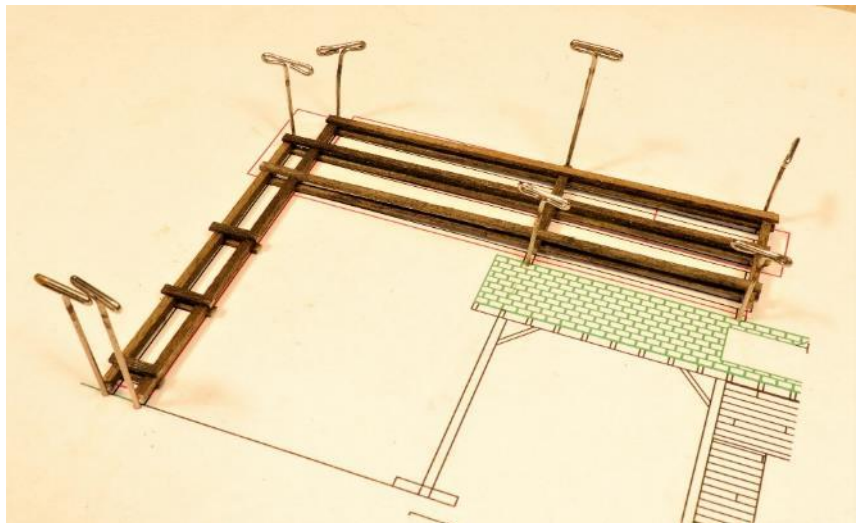
Main Structure & Roof Assembly

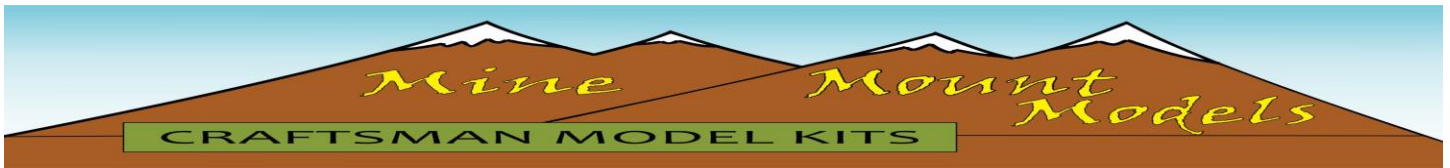
13. The main square structure can now be glued to the underside of the roof structure. Be sure to center the main building in the middle of the rafters. There should be 9 rafters on each side of the outside walls, and 7 rafters inside the small square structure.
14. Attach parts #15 (qty2) to the base of each pair of legs. Flip the assembly over and allow to dry on a level surface.



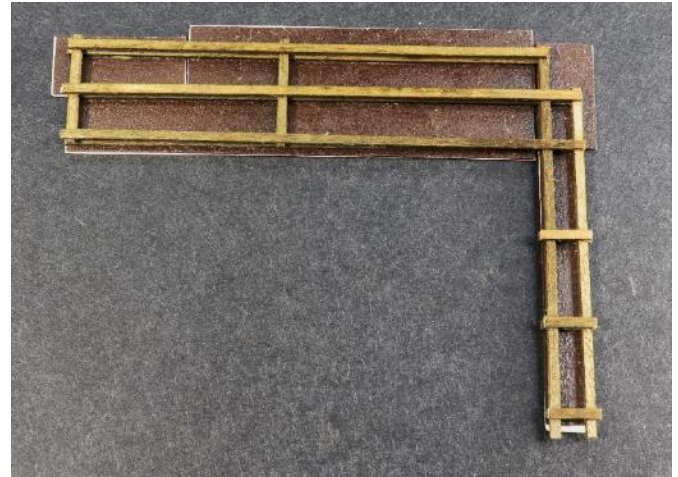
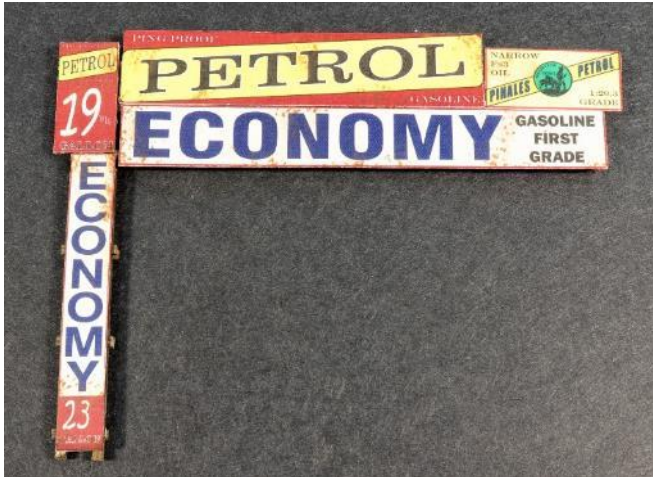
Billboard & Signs

15. The delicately intricate road sign is a standout feature of Pinales. It is a simple build with dramatic results. Use the provided template found on the parts list sheet to guide the assembly. The sign is printed in full HO scale. Tape the template to a piece of Homasote or soft wood. This allows you to use T-pins to hold the stripwood secure while the glue dries.
16. Stain or paint all stripwood for the billboard before starting assembly. You will achieve cleaner results.
17. Start with the 4 upright legs. The vertical legs are 1/16"x1/16" stripwood. The horizontal cross-bracing is 1/16"x1/32" stripwood. Use the template to measure the lengths of each piece. Glue the top of the vertical and angled legs together. Add the 1/16"x1/32" bracing across the legs. Flip leg assembly over and glue on the other 1/16"x1/32" bracing so it matches the first side.





18. Remove all the laser pieces for the sign backers (parts# 10-14 x 2sets). There are 2 sets of identical sign backers. Carefully cut out the colored signs from the paper sheet provided. Then adhere the signs to the backer boards. The sizes will match exactly. Adhere the signs with backer boards to the previous step's structure. Use the template as a placement guide. Flip over the signs and apply the other set of identical signs. You can even change up the arrangement of the sign to achieve your own unique look. Below is shown 1 side with the signs applied. You will be covering both sides. Save this assembly for after completing the rest of the kit build. Waiting to attach this will make it easier to apply the smaller details around the rest of the structure.



19. The 2 arched roof signs are a quick addition that adds great character...and ACTUALLY has the name of the business. 😊 To build the signs you need parts #7, 8, 9. Cut out the paper signs that say "PINALES PETROL" with the green circle in the middle. Attach them to the laser board backer pieces #7 & 8, making sure to NOT stick them on the side with the 4 engraved lines. The lines are guides to attach the angle brackets #9. There are eight #9 brackets to support the signs on the pitched roof. Each sign gets 4 brackets.



Gas Pumps

The kit is provided with 2 different styles of gas pumps to cover eras ranging from the 1920s-1960s.

The tall glass top pumps were used in the early range of that time period. The rectangular pumps started appearing in the 1940s until the end of that time period.

20. To build the tall glass top pumps it requires the 2 grey 3D printed pieces: the taller base, and the short top dome. Clean them with soap and water. Prime them and paint them with your favorite colors. We used an old Richfield pump as a reference.



Mine Mount Models

CRAFTSMAN MODEL KITS

21. The “glass” section of the pump is created using the 3.9mm x 2” clear tubing, and the 1/8” x 2” aluminum tubing. Cut each of them into 1/4” long pieces. Glue the aluminum tube onto the small post that is on top of the base. Follow that by gluing the clear tube over the aluminum tube. We found that CA glue works the best to attach all these different materials. Next add the small dome top on the clear tube.



22. The sheet with all the signs includes several different small round signs. These are placed on both sides of the top dome. They can also be added midway up the base. Be sure to not cover up the small holes molded into the base. These holes are for the nozzle hose and the brass lever.

23. Speaking of the brass lever, use the .020” x 2” brass rod to create it. Cut the brass down to 3/8”. Bend one end to a 90 degrees so you end up with an exceptionally long “L” shaped lever. You can keep it brass or paint it. We chose to paint it black. Glue this lever into the molded hole that is closer to the bottom of the base.

24. In the kit we provided a thin black plastic thread. This is used to create the nozzle hoses on all the pumps, and in a later step it is used to create the hose that attaches to the warning bell. Cut a piece about 1-1/2’ long (you may need to trim the length once it is attached to the base, so it is not too long.) We used a hairdryer to warm up the plastic thread. Use tweezers to pinch the thread into a long “U” shape, then hit it with the heat from the hairdryer. It sets the thread into this shape, making it easier to attach to the hole found at the top of the base piece. Glue the nozzle (part#18) to the front of the pump, just below the “glass” section. Attach the other end of the curved thread to the back of the nozzle to make it look like they are connected.

25. The more “modern” 1950s pumps are easier to assemble. Start by cleaning, priming, and painting them your chosen colors.

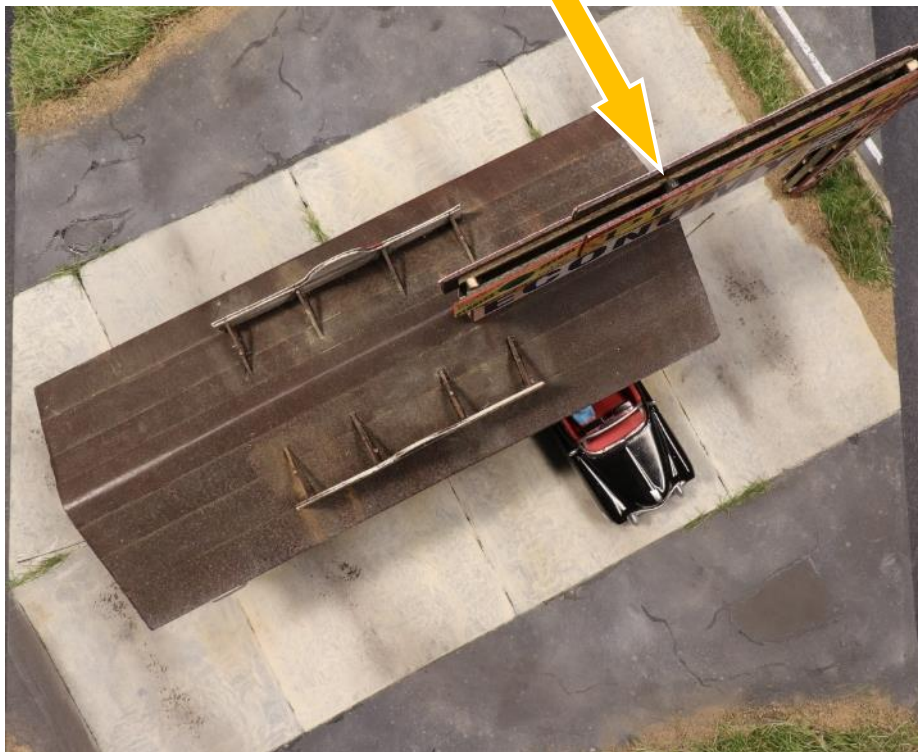
26. Then using similar techniques found in steps 21 & 22 for attaching the signs and the black plastic thread. You need a shorter piece of the thread because they are shorter pumps. There are meter faces printed on the sign sheet. Attach these to the small rectangular recess found on the front of the pump.

27. The 2 warning bells are made using parts #16 & 17 (a small square and circle). Paint them, then glue the circle centered on the square. Glue 1 on each side of the main center structure. Use the remainder of the black plastic thread to create the rubber hoses that run along the ground. Again, use the hairdryer to bend one end high enough to reach from the ground on your scene to the bottom of the circle bell assembly. Then run it in between the pumps on each side and glue in place with small drops of CA glue.



Mine Mount Models
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28. Now that the small details are pretty much done... you can FINALLY attach the big sign assembly to the peak of the roof. This can go on either side of the roof, we chose to attach it to the same side as the door. The 1/16" x 1/16" vertical brace on the inside of the sign should line up with the end of the roof. This makes it look like the weight of the sign is transferred down to the 1/16" support legs below.



The model will be complete at this point. Add as many details as you would like. Create a wonderful scene on your model railroad or diorama. We want to thank you for enjoying the building of **Pinales Petrol**. Please share your finished build by sending good quality pictures to info@MineMountModels.com and we will post them in the "Customer Build Gallery" section of our website. Also, checkout our other products by visiting www.MineMountModels.com.

Thank you,
Ron & Michelle

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