

Wiley's is the local hot spot for nightly entertainment in the town. Old man Wiley "bartended" at many of his friend's parties. After seeing the lack of a locally owned bar in his town, he decided to open Good Times Tavern. The locals flocked to the place for the good food but stayed for the great friends. Wiley's quickly outgrew the original tavern and added an extension off the back selling packaged goods. The generous drink size, hardy food portions, and great live entertainment make Wiley's the place to be.

This kit is a beautiful representation of a small-town, family owned watering hole. It can be built in a few nights. Take your time and enjoy the process. You can build it into Wiley's or use your imagination to see what you can come up with for your railroad!

Tools & Supplies needed

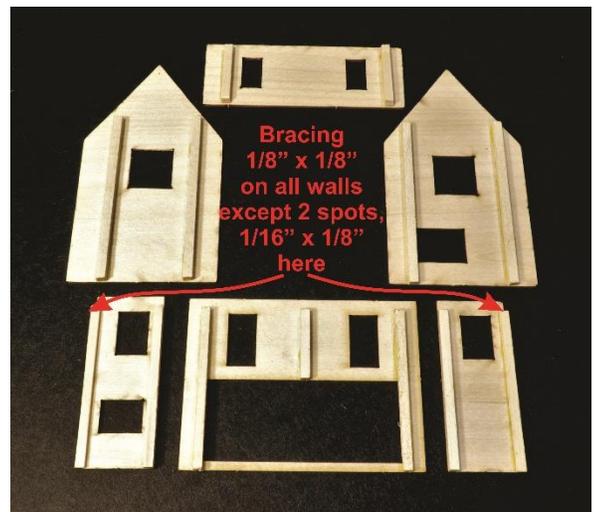
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| <ul style="list-style-type: none"> ✓ Hobby knife, with an #11 Xacto Blade ✓ Fine File ✓ Square & Ruler ✓ Pounce tool or T-Pin/Needle | <ul style="list-style-type: none"> ✓ 1-2-3 blocks (optional) ✓ Small magnets (optional) ✓ NWSL Chopper (optional) ✓ PVA glue or wood glue ✓ Cyanoacrylate glue (CA glue) | <ul style="list-style-type: none"> ✓ Paints & Brushes ✓ Tweezers ✓ Patience ✓ Fun |
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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. Also look over the bracing charts and parts list.

Bracing & Corner Molding

3. Remove the parts #1,2,3 from the clapboard wood spew and clean up/file the edges. Use the 1/8"x1/8" stripwood to brace the backside (non-clapboard texture). Reference the parts sheet and picture (right) for suggested locations. Be sure to keep the bracing at least 1/8" from corner so they don't interfere when assembling the walls. Allow glue to thoroughly dry.
4. Add the 1/16"x1/8" bracing to the back along one long side of parts #5&6. The bracing on parts #5&6 are half lapped. This helps support the joints between #1&6 and #2&5. The other long sides of #5&6 have 1/8"x1/8" bracing attached flush to the edge. They help support the corner connection between side walls#5&6 and the front wall #4. Reference the parts sheet and picture (right) for suggested location.

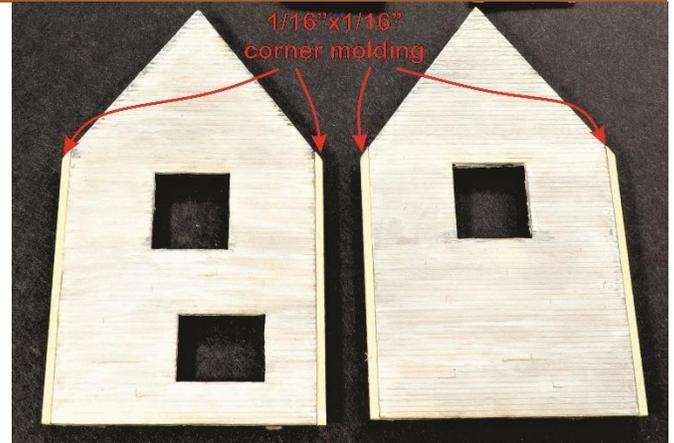


5. After the bracing dries, it is a good time to paint or stain the clapboard walls. Be sure to paint the back side of the walls black to help minimize warping. Also, a dark inside of a building helps hide the fake interior. The smooth 1/16" walls #4,5,6 we painted to look like stucco. To achieve this, we first painted with a white primer on the outside, and black primer on the inside. To get the textured, gritty look of stucco use Rustoleum "MULTICOLOR TEXTURED" spray in a Caribbean Sand #239121. You can leave it that color or paint it your own exterior color. Follow it up with some weather paints and chinks, and it becomes convincing stucco walls. VERY EASY



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6. We suggest you paint the corner molding your desired color before adding it to parts #1, 2. Add the corner molding using the 1/16"x1/16" stripwood provided in the kit. Reference the parts sheet and picture (left) for location of the corner molding. 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 flush to top and bottom edges of walls.

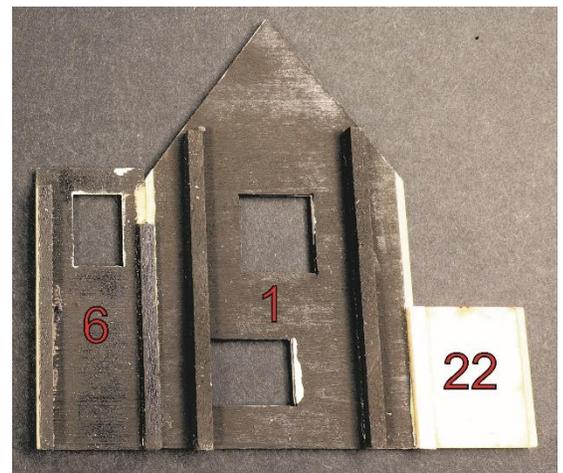


Wall Assembly

7. The main building requires a combination of clapboard, scribed, and plain 1/16" basswood. To create the 1st assembly you need parts #1, 6, 22. Place the 3 pieces on your worksurface with the textured sides down. The bracing should be facing up. Reference the photo to see how to attach the 3 walls in the proper configuration. The 1/2 lapped boards on parts #6 & 22 should lay on the back of part#1. This reinforces the joint between the 3 pieces. Place weights on top of this assembly and let dry.

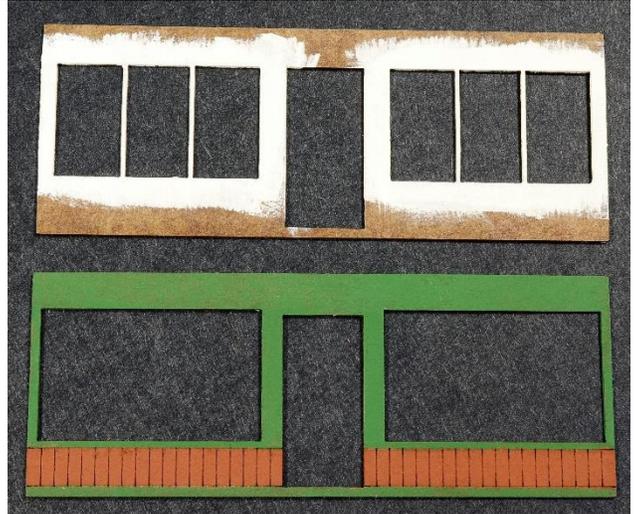
***** SEE SIDENOTE AFTER STEP 19 FOR OPTIONAL WALL CONFIGURATION*****

8. Repeat step 7 process for the opposite walls, parts# 2, 5, 22. The two assemblies should be mirror images of each other.



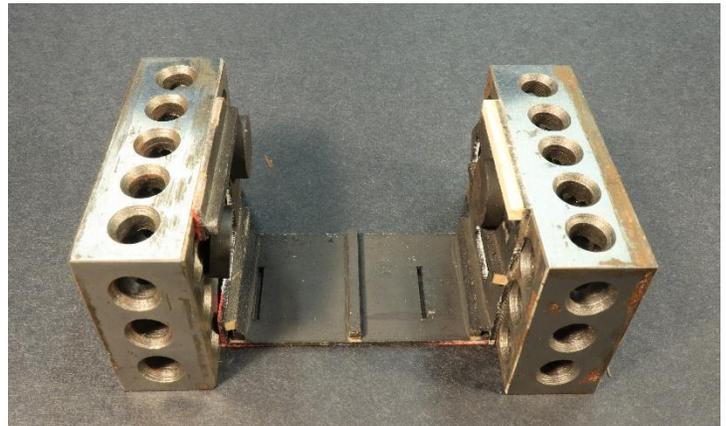
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9. The next assembly is the first story wall that will be the entrance to the liquor store side of Wiley's. The wall is laminated using parts #23,24. You will want to paint the parts separate to achieve crisp lines between the different colors you choose. Place part 24 down and glue part 23 on top, being sure to align the bottom and side edges. The window frames should be even all the way around. When dry, cut a piece of glazing to size of each window and glue to the back of the assembly. Here you can see we added the curtains and "WINE ALES LIQUOR" sign to the front.



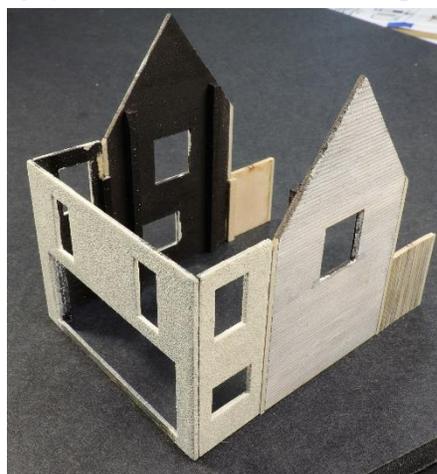
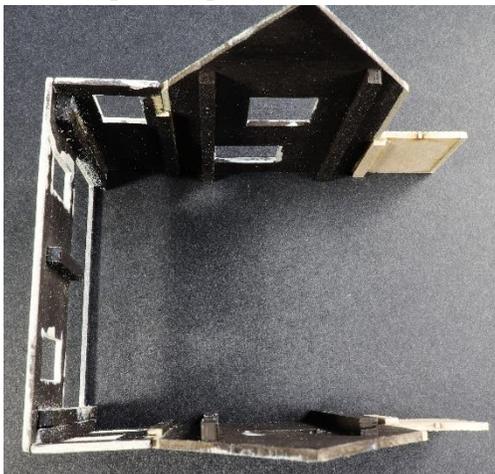
Set this assembly aside and let us start gluing up the main wall.

10. Now is the time to use 1-2-3 blocks and magnets to help you ensure that the walls glue up square. If you do not own 1-2-3 blocks... WHY NOT?! Just kidding, but they do help A LOT in a great model finish. You can use other square object on your workbench to achieve a good result. Picture to the right is just demonstrating the use of 1-2-3 blocks.



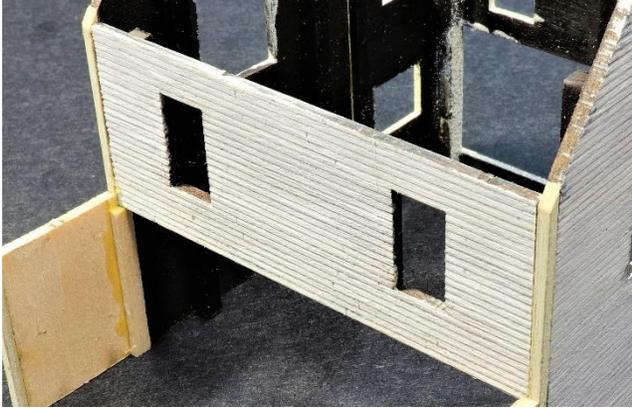
Start by putting part #4 with the finished side down. Glue the triple wall assembly (1,6,22) from step 7 so the tall edge of part #6 is on the back side of #4. The corners should be even to help hide the joint on the stucco surface. You can touch up the joint once the main walls are assembled.

11. Repeat step 10 with the wall assembly (2,5,22) to the other side of part #4.



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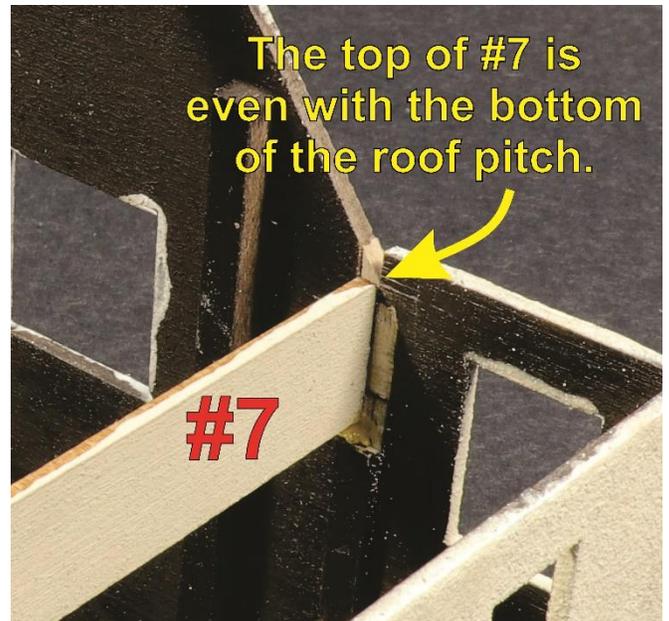
12. Next add the 2nd floor clapboard part #3 to the top of walls #1 & 2. Part #3 should fit inside of 1 & 2, even with the 1/16"x1/16" corner molding. BE VERY CAREFUL to have the clapboard facing the right direction. Do not turn it upside down. Use clamps to hold the walls together while the glue dries.

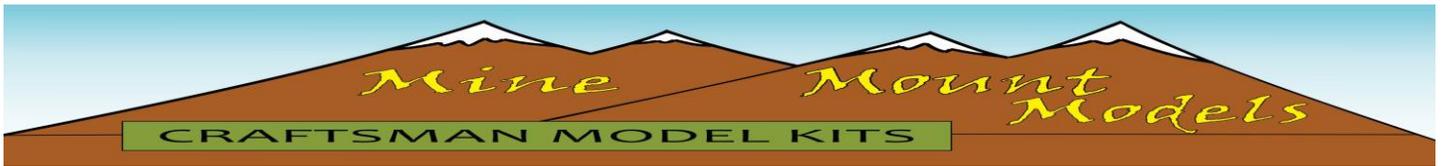


13. Take the laminated wall assembly from step 9 and glue it in between the short wall sections of parts 22. Be sure the front is even with the 1/16"x1/16" corner molding. Again, use 1-2-3 blocks to square the assembly.



14. Attach part #7 in between the upper part of walls #1 & 2. This acts like a short knee wall below the roofline of the main building and the flat roof above the stucco section.





Windows & Doors

15. Most of the windows and doors on Wiley's 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. Below you will see the positions of all the windows. Match up the size of the windows to each of the cutouts in the walls. The wood frame windows go into the walls from the front, while the masonry frame windows look better if they are recessed into the opening, even with the back of the walls. The 2 doors are used on the laminated store front



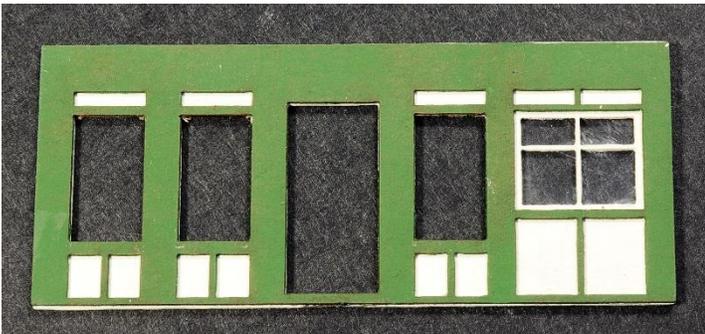
walls.

16. Use the pictures included in the kit to determine the correct location of the windows and doors.



Storefront

17. The final step of the wall assembly is the laminated store front. The multiple layers of trim and moldings are a standout feature of Wiley's. There are 2 laminated assemblies, a long and a short one. The long one requires parts #8, 25, 26, 29, 30, 31. Again, it is best to pre-paint all the parts to achieve a crisp, clean line between the colors you choose. First glue #26 on top of #25. Next glue the windows and doors in place. This makes spacing the vertical columns (part #8) easier. Be sure the bottoms of the columns are even with the bottom of the wall. Add the narrow horizontal piece #31 on top of the columns. Add the dental molding (part #29) to the top of the wall. Cut out the clear glazing for the window and adhere to the backside. This completes the long laminated wall.



18. Repeat step 17 for the short, laminated wall, but with parts #8, 27, 28, 32, 33, 34.

19. Adhere the long laminate wall assembly to the bottom of the stucco wall #4, and the short laminate wall to the bottom of the stucco wall #5.





*****SIDENOTE – OPTIONAL WALL CONFIGURATION*****

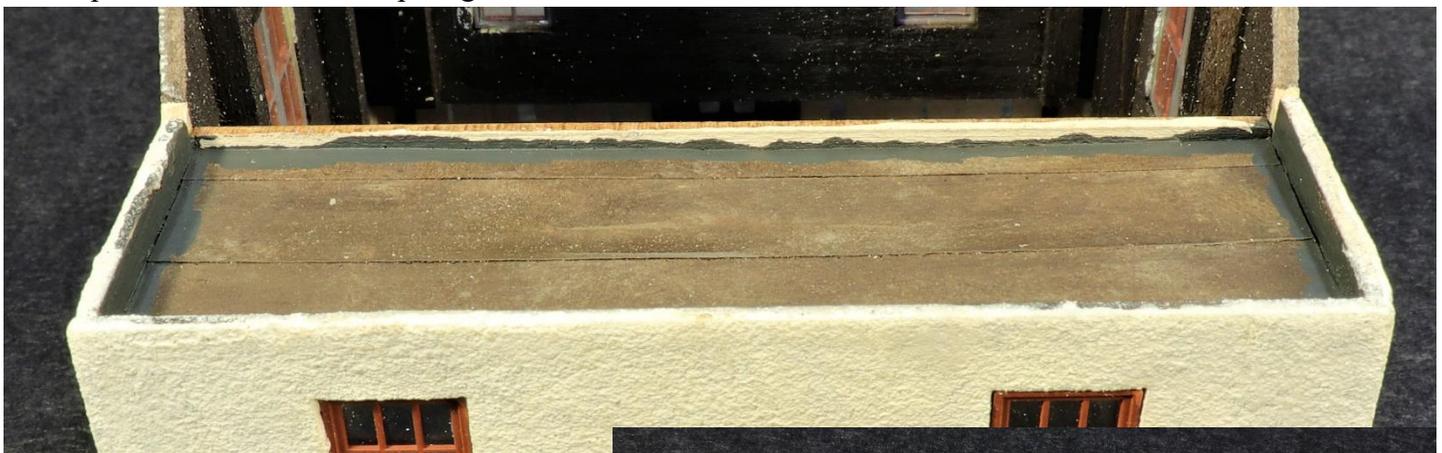
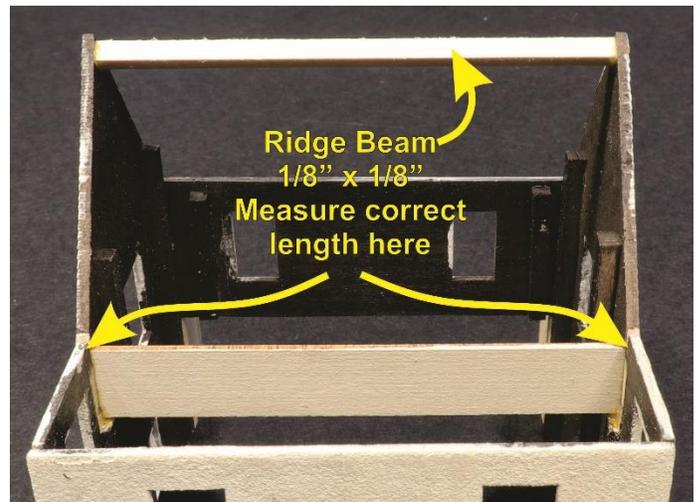
If you want to make your Wiley's situated on the opposite street corner, with the short laminated wall on the left side of the building, just flip over parts #25, 26 and reverse stucco walls # 5, 6. This will create a mirrored image of the front of Wiley's.

Add the remaining laminations as per step 17.

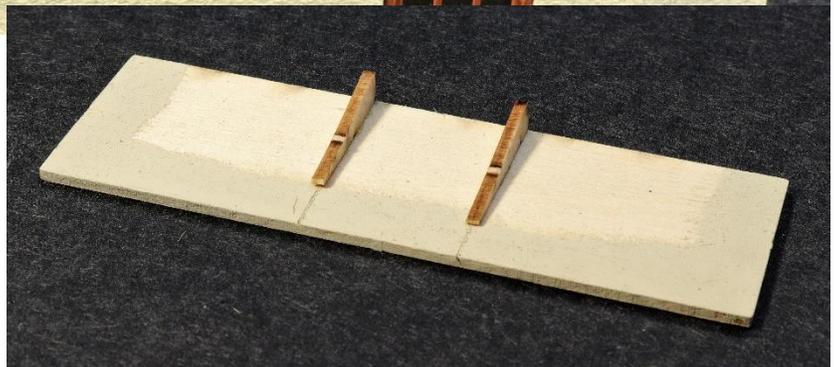


Roof

20. Use a lengths of 1/8" square stripwood to add a ridge beam to the top ridge of the rooflines. Determine the correct length of each beam by measuring the distance between the 2 inside walls of the section. (YELLOW arrowed lines) This squares up and strengthens the top of the roof.
21. The first roof you will want to install is the flat roof (part #42) on top of the stucco section. Use the sheet of stick-on rolled roofing to create a tarpaper covering for it. Paint the stick-on sheets to simulate weathered tarpaper. Apply 3 rows of the strips lengthwise. Slightly overlap each row. Glue #42 to the inside of walls #4, 5, 6, 7. It should end up 1/8" down from the top ledge of the walls.

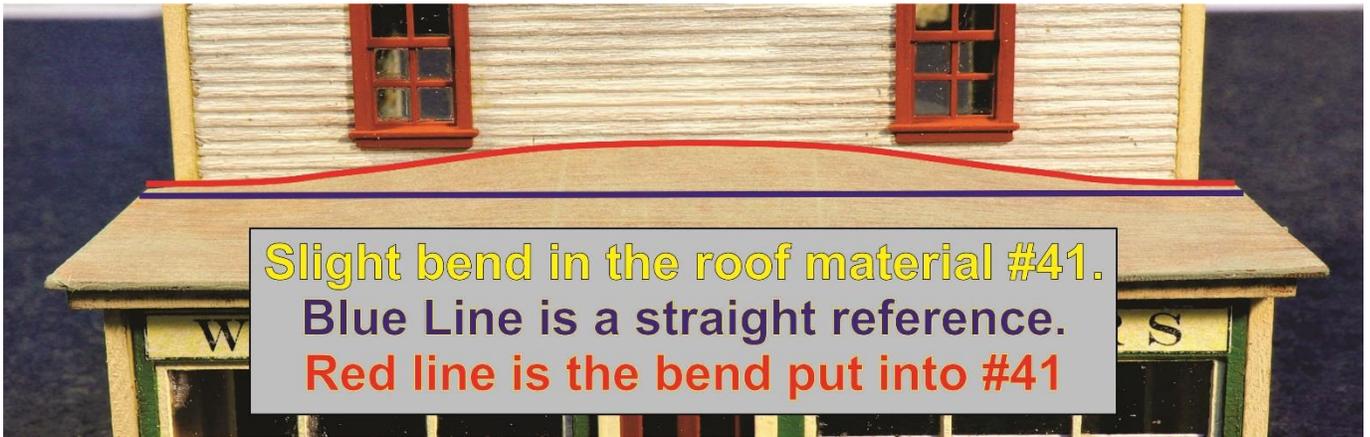


22. Next roof is above the back entrance section (Right). It requires parts #9, 10(x2). Parts #10 are long narrow triangles that are glued on #9. There are 2 lines engraved on #9 that are where the triangles are positioned. Be sure they are even with one long side of #9.

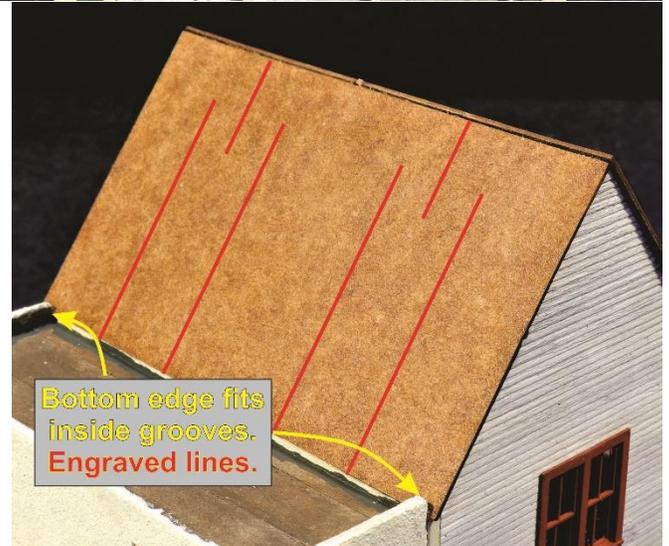


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23. Attach the assembly from step 22 on top of the back entrance section of the main building. Add some weights to ensure it is glued securely.
24. Before adding part #41, you need to introduce a slight bow or bend into it. This will allow #41 to lay on the #9/10 assembly more evenly. Do not over bend it to cause a crease. Just kind of run it in between your fingers to create a bow. Reference the picture below. Now you can add part #41 on top of the back section. Clamp along the 3 edges so it is a thinner profile, while the 2 triangles #10 maintain the proper bow. Cover the roof with more of the self-adhesive rolled roofing, and trim it to the edges.

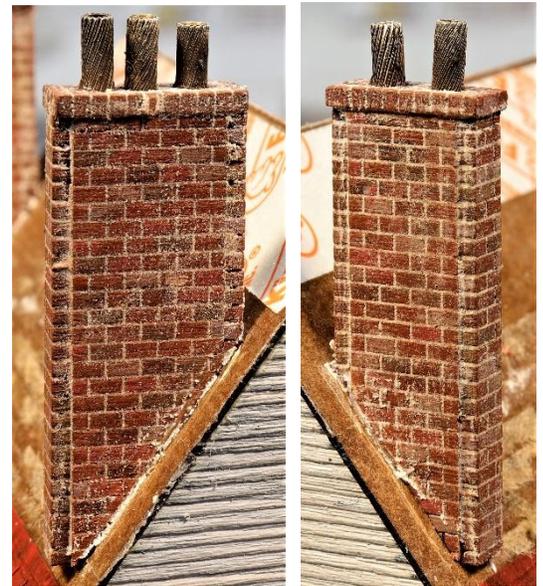
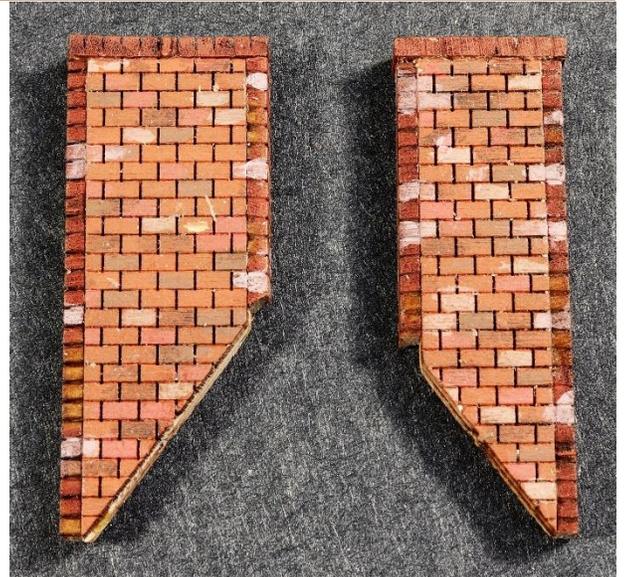


25. (Right) Adding the main roof “sheathing” is next. Start with part #40 on the side with the stucco. The bottom edge fits into the small grooves created by the side walls #2&5, 1&6. The top edge, along the ridge, should be even with the peak. Be sure the engraved lines face up. They will be guides to position the 2 dormers if you wish to add them to your structure.



26. (Left) Now add part #39 to the other side of the peaked roof. It is longer than the 1st side because it overlaps the top ridge beam and overhangs the bottom eaves.

27. Time for the 2 chimneys. There is a wide and narrow chimney. The wide chimney uses parts #12, 13, 14, & one of #18. They are built like an Oreo cookie. There is a smooth middle #14, and 2 outside textured brick parts #12, 13. Glue all 3 together. Add one of the long skinny brick parts #18 to one of the narrow sides of the assembly. Make sure the top and sides are even. Trim to the correct length. Use the trimmed off piece to cover the other exposed side of the assembly. There is a shorter narrow brick face with 3 holes lined up in it. This is for the top of the wide chimney with 3 chimney flues.
28. Repeat similar assembly from step 27 for the narrow chimney using parts #15, 16, 17, 18, & the short brick face top with 2 hole in it for flues.
29. Paint the 2 chimney assemblies. Spray the chimneys with a clear dull coat to keep the paint pigments from bleeding into the mortar. We use light weight spackle to simulate mortar. Rub the spackle in the brick lines with your finger. Wipe off any excess spackle.
30. Cut 5 pieces of the 3/32" aluminum tube to approximately 1/4" long. Use these for the chimney flues on top. They glue into the 5 holes (2 in the narrow, 3 in the wide chimney). To achieve a fluted pipe look, we rolled them under a file against the worksurface to texture the surface of the tubes.
31. Position the chimneys on each side of the roof with the engraved line on it. They should be approximately 3/16" from the side edge of the roof, and approximately 1/2" from the bottom edge. It does not matter which chimney, the 2 flue or 3 flue version, goes on which side.



32. The two scribed siding dormers are next. These can be omitted if you wish. The walls of the dormer use part #19, 20, 21. Part #21 has an open in it, one side of this opening is wider than the other. Make the wider side the top of the wall. Attach the triangular side walls #20 & 21 to the BACK of the front wall #19. Use 1-2-3 blocks to ensure they are square. Glue this assembly to the roof using the 4 long engraved lines on the roof as a guide for spacing. The bottom of the front wall should be approximately 3/16" from the bottom edge of the roof.





33. Now is the time to start the shingled roof. Start by applying double stick tape [not included]) to the roofs #39 & 40.
34. Paint or stain laser cut shingle materials. You will want to vary the color of the shingles. We achieved the red color by first lightly spraying the shingle sheet with a dark brown color. After that dries, we dry brushed a few coats of red on top of the brown in a vertical pattern. It is best to do 2 or 3 light coats than 1 heavy coat. It creates a more varied depth of color.
35. We suggest applying the shingles on the roof that DOESN'T have the chimneys and dormers. This will build your skills and confidence to tackle the other, more complicated side. Cut the shingles into long strips from the large sheet. Peel off the covering from the bottom row of double stick tape. Apply the first row of strip shingles, allow it to overhang the bottom edge by 1/16". Also letting both sides overhang slightly. The sides can be trimmed up after the shingles are completed. The next row should be offset by 1/2 the width of a shingle and overlapping the first row so that it covers the non-cut top part of the previous row. Continue this process up to the peak of the roof. It will take patience, especially around the dormers and chimneys.



36. **SPECIAL NOTE** – While working on the dormer side, when the row of shingles reach the top of the dormer walls, NOW is the time to attach the peaked roof parts #35, 36, 37. These parts are left off until now to make it easier to attach the shingles, and also to allow the shingles to run up under the small roof overhangs. Parts #35 & 36 are mirror images of each other. They have two slightly different angled edges. The more acute angled side should be the front of the dormer. The shorter engraved lines on the top of the roof is the center of the peak of these small roofs. Use them as a guide. Then apply the triangular from #37. Cover both dormer roofs with some of the paper rolled roofing material. Use some of the thin strips on the rolled roof sheet to cover over the edges and peak of the dormers.



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37. Now it is time to attach the ridge cap shingles. Use the thin long strips from the rolled roofing sheet to cover the top row of shingles at the peak.
38. One of the dormers features a window converted into a roof access door. This is created with part #44 and some 1/32" x 1/16" basswood as cross bracing. Cut the basswood to match the photo below. Now adhere the door to either of the dormers' openings.

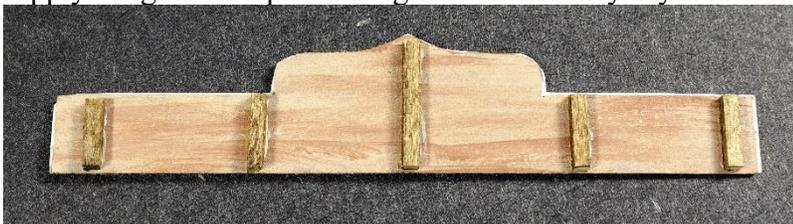


39. We provide a short ladder part #47, or a small set of stairs parts #45,46. These can be added below the door on the dormer.



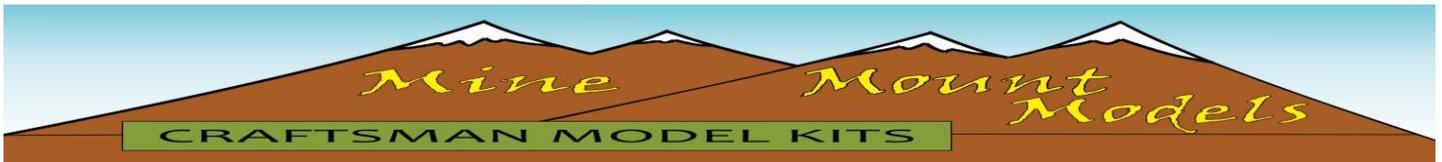
Billboard Roof Signs

40. Another standout feature of Wiley's are the 3 large signs that wrap around the building. Use part #38x3 and 1/16" x 1/16" basswood. Use the 3 color Wiley's signs from the parts list sheets. Apply signs to #38. Cut lengths of 1/16" x 1/16" to match the location of the bracing on the back of the sign. Apply weights on top of the signs to ensure they dry flat.



41. The 3 sign assemblies are applied to walls featuring the stucco and clapboard siding. The bottom of the signs should be just slightly over the second floor windows. First glue on the sign that is on the front of the building (The long stucco wall). Center it on the wall. This front sign will help you locate where the 2 side signs are to be placed. The bracing on the side signs may need to be trimmed a bit to clear the rooflines.





42. We provide a couple shutters if you wish to add them to the first floor window on part #1. Use part #43x2 and 1/32" x 1/16" basswood as cross bracing.



43. It is a good time to add the wall signs and posters to the rest of the structure. Use all the photos provide to get some suggestions of where to place the signs.

The Lanterns

A few people have mentioned that the lanterns look a little BIG. But in reality, we actual reduced the size of them compared to the prototype they were inspired by.

In the small town that Wiley's is located, EVERYONE knows the "tavern with the BIG LANTERNS!"

They are finicky to build, but with patience and a good glue, they become a key feature on the structure.

44. There is a sheet labeled "LANTERNS" with enough parts to build 2 of them. Parts #48-53.

45. Part #48 is the center hub where all the other lantern pieces attach to. The top of the lantern four part #49, and these are glued to the perimeter of #48 in the shape of a pyramid. Add part #52 (a little square with a hole in the center) to the top of the pyramid shape.

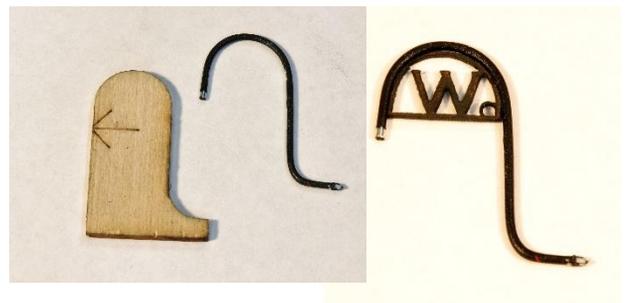
46. Add part #50(x4) to the other side of #48 to create another pyramid shape. Cap off the bottom this open bottom with part #51.



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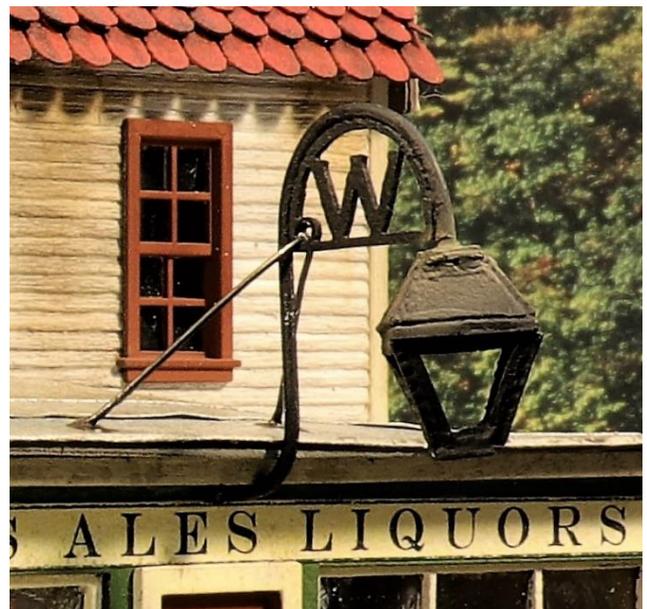
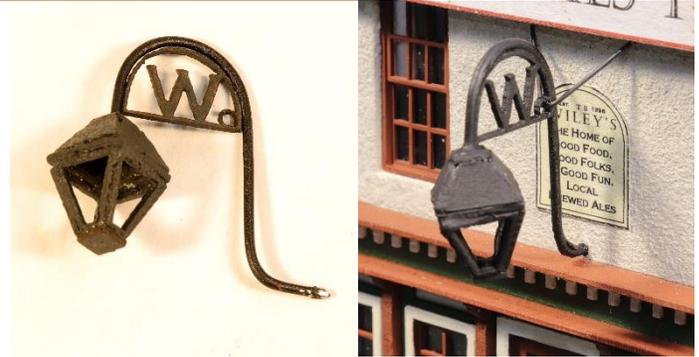


47. Now to create the loong gooseneck bracket for the lantern use the 1/32" brass rod provided. The kit comes with a shaping jig to help you bend the rod to the correct shape. The engraved arrow on the jig is where the top of the gooseneck begins. We find it easier to make the rod longer than needed and trim it back to the arrow. The bottom end of the rod can run long because it is glued into stucco wall. Add the curved "W" to the inside of the gooseneck. There is a small circle in a corner of the "W". This circle should be closest to the wall.





48. Attach the lantern assembly to the gooseneck assembly.
49. Drill a 1/32" hole centered in the stucco wall #4 just above the laminated wall. Glue the gooseneck into the hole, being sure that it is vertical/plumb to the wall. On the parts list sheet there is guide "Lamp support bent wire" to aid in bending the 28ga. black wire. After you bend the wire, trim it to length by the guide. Carefully pass the wire through the small circle in the "W" bracket. Adhere the 2 tips of the wire to the stucco wall.
50. Repeat steps 44-48 for the second lantern. This one is attached to the other side of the building. It is centered above the door. Drill the 1/32" hole above the "wines ales liquors" sign, and under the roof overhang. The black support wire is longer than the first one you made. The two tips of the wire are attached to the flat roof.



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 **Wiley's Good Times Tavern**. 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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