Mine Mount Models
CRAFTSMAN MODEL KITS

KOONING Rope & Pulley

Kooning Rope & Pulley is there when you're at the end of your rope. Quality supplies for over 140yrs. Keeping the residents and shipmen from all over the region tied up with rope, pulleys, and other boating supplies.

This kit is a beautiful representation of a waterfront supply shop. It can be built easily in a few nights. Take your time and enjoy the process. You can build it into Kooning's or use your imagination to see what you can come up with for your railroad!

Tools & Supplies

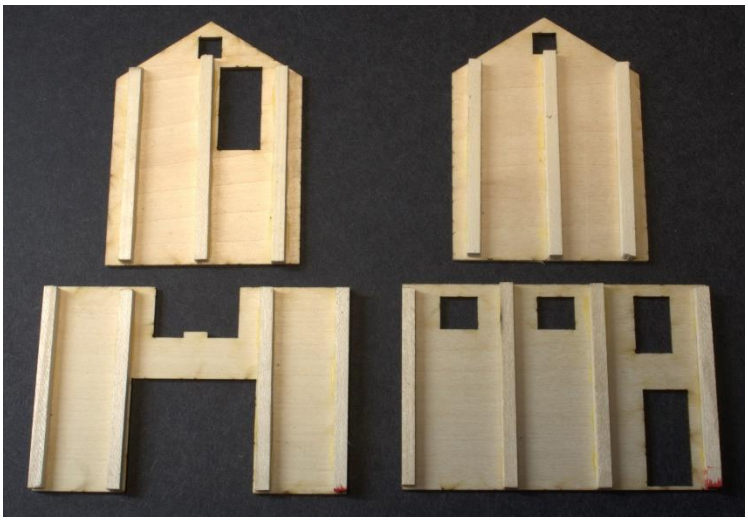
- ✓ Hobby knife, with an #11 Xacto Blade
- ✓ Fine File
- ✓ Square & Ruler
- ✓ Pounce tool or T-Pin/Needle
- ✓ 1-2-3 blocks (optional)
- ✓ Small magnets (optional)
- ✓ NWSL Chopper (optional)
- ✓ PVA glue or wood glue
- ✓ Cyanoacrylate glue (CA)
- ✓ Paints & Brushes
- ✓ Tweezers
- ✓ Patience
- ✓ Fun

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" stripwood (RED tip) to brace the backside of the clapboard pieces. Remove parts #1-4 from clapboard sheet. Cut the 1/8" stripwood to fit on the smooth side of the parts. Reference the parts list for bracing location.
4. We suggest you paint the walls and corner molding your desired color before adding the corner molding. Add the corner molding using the

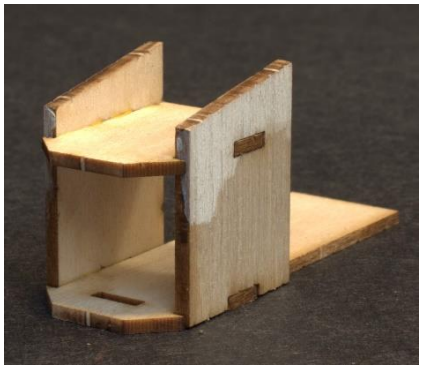


1/16"x1/16" stripwood (GREEN tip) provided in the kit. The 4 corner moldings are glued to the sides of parts# 1,2. Cut the 1/16" corner molding about 1/8" longer than the edge of the wall that it will be glued to. Use 1-2-3 blocks or other squared weights to hold it in place while the glue dries. Trim the corner molding flush to top and bottom edges of walls.

Main Building

5. The main building needs 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 #3, laying clapboard side down. Glue on the 2 short sides (parts #1,2). Allow it to dry. Then lay down part #4, clapboard side down. Flip over the assembly of parts #1,2,3, and glue the assembly to the edges of part #4 along the corner moldings. Again, square up walls using 1-2-3 blocks and magnets.

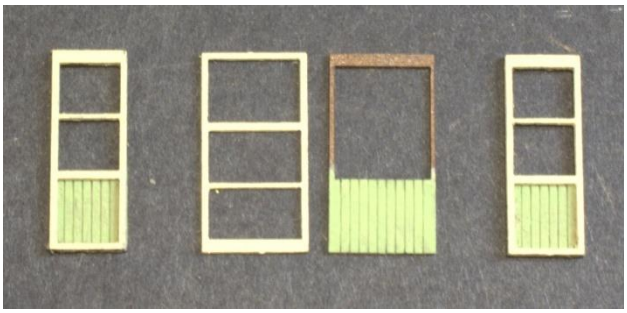
6. The 2nd floor bay window assembly is an insert. It is easy to build, install, and strengthens the structure. It requires parts #12,13,14,15. The slots and tab align together easily. The base (#12) has two sidewalls (#14,15) added. Making sure the scribed siding pattern is facing outward. The top (#13) is glued in place, aligning the tabs and slots. You will want to paint the top of the scribed walls before inserting the assembly into the main structure.



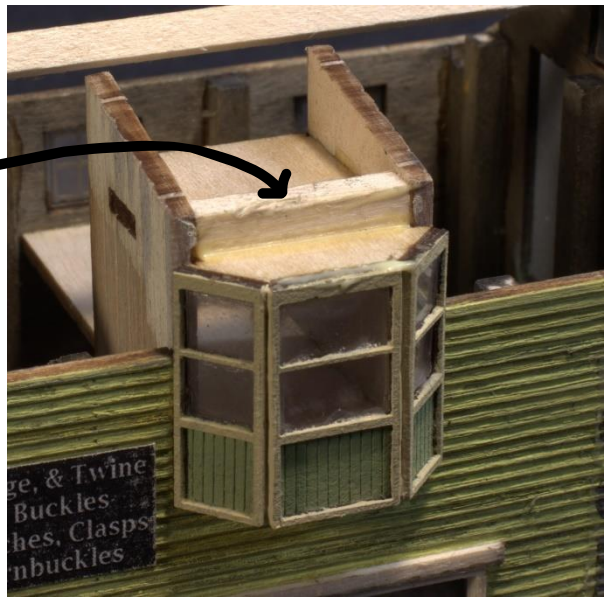
7. Once it is completely dry, slide it into the top opening of front wall (#4). There is a tab and slot for alignment. The backside of #12 is wedged into the back of the backwall (#3) and glued into position about 1/16" below the small window opening.

8. Use a piece of 1/8" x 1/8" stripwood (RED tip) to create the roof ridge beam at the peak.

9. The bay window is made with one wide center panel, and two narrow side panels. Use parts #23,24 together and parts #25,26 together to create the panels. Insert the precut clear acetate to the back for the "glass".

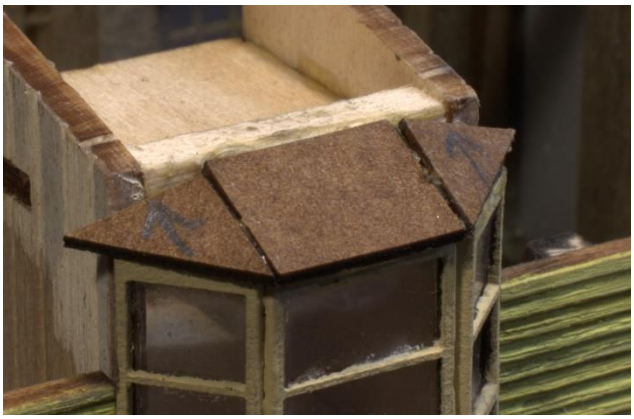


10. Attach the middle panel to the two horizontal faces of #12,13. Now add the two narrow panels to each side.
11. Cut a piece of 1/8"x1/8" stripwood (RED tip) to fit in between #14,15 above the bay window. This will help support the bay roof panels.



Roof

12. Add the three roof panels parts#19,20,21 on top of the bay window. A little fiddling may be needed to get them to align.
13. It is time to add the large roof panels parts#16,17. #16 is straight forward, just center it on the backside of the building. Part #17 has a wide slot that fits around the bay window insert.



14. Now is a great time to paint and attach the straight edge shake shingles to the main roof.

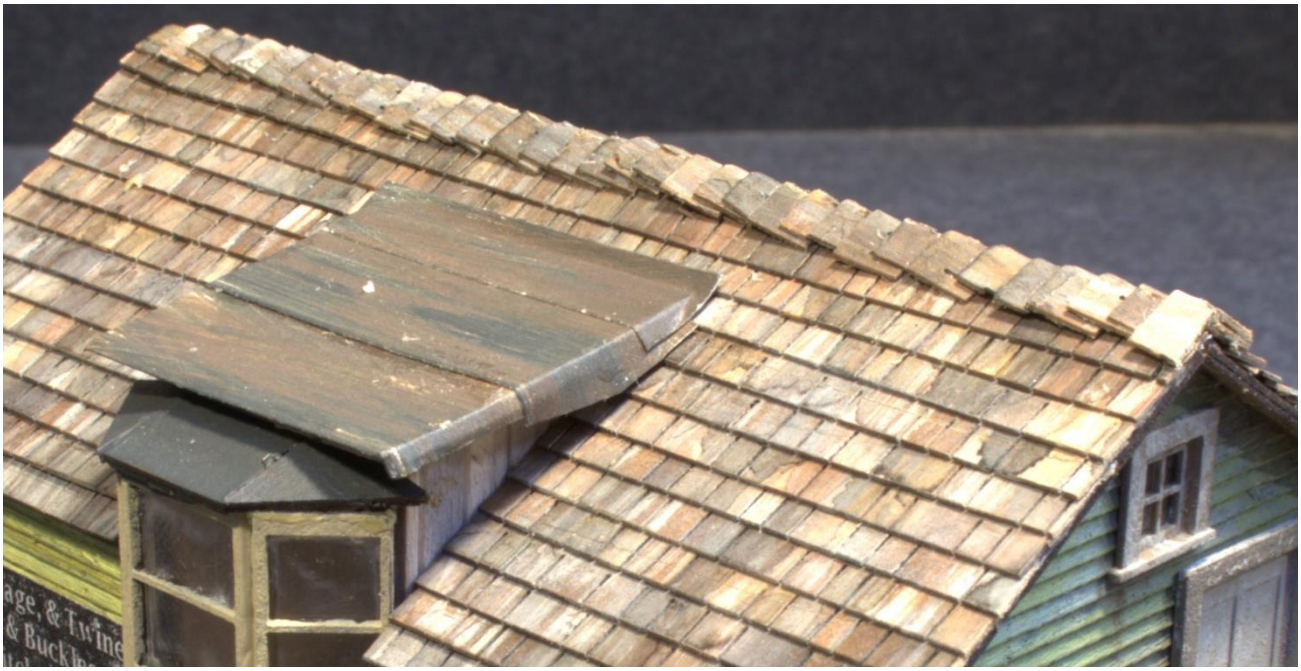
On our website is a Mine Mount Minute how-to on painting convincing shingle colors, easily and quickly.

15. You can use double stick tape or glue to attach the strips of shingles. I prefer the double stick tape method. Start at the bottom of #17 and place the first strip slightly overhanging the bottom edge. The next row of strip shingles overlaps the previous row just above the vertical slots of each shingle. Keep the rows nice and straight (unless you want a worn and weathered roof).

16. When the shingles reach the intersection on the bay insert and the main roof, add the insert roof (part #22), centering it on the sidewalls. Now continue adding the shingles to the peak of the roof.

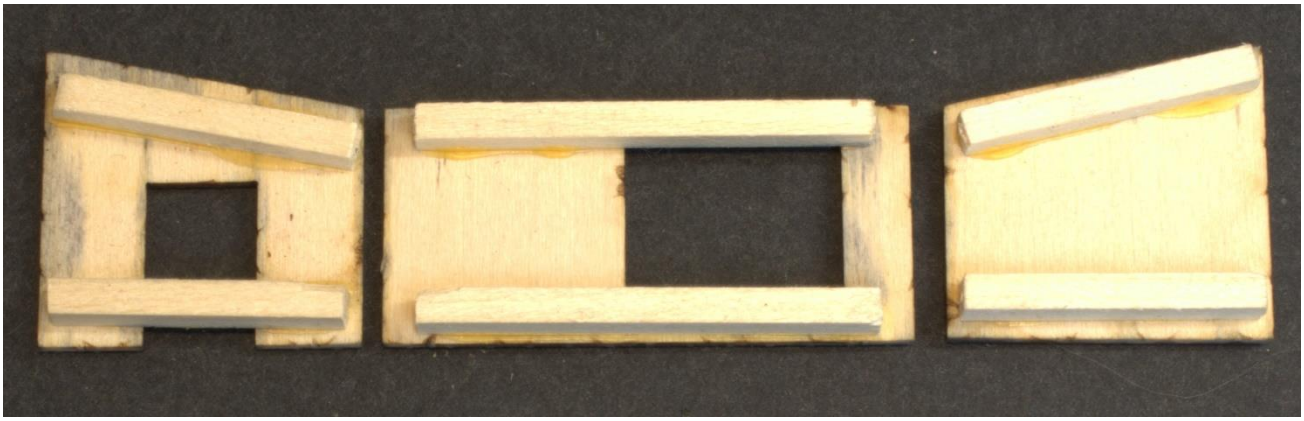
17. With the shingles installed on both sides of the roof, you can add the ridge cap shingles to the peak. Take your painted strips of shingles and cut a bunch of them into ¼" long pieces. Fold these pieces in half to fit over the peak. Start on one end of the roof and layer the small ridge cap pieces across the length. It is overlapping the strips on the main roof, but just going horizontally.

18. Now add the rolled tarpaper sheets to the small bay window roof and insert roof.

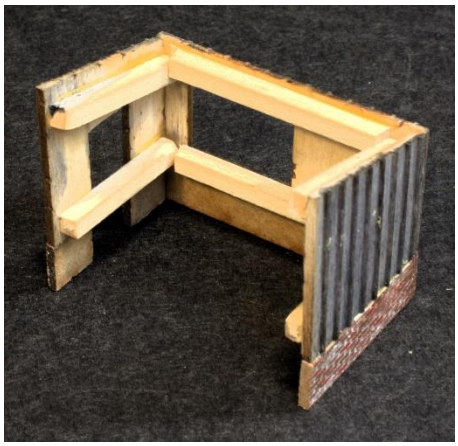


The Extension Rear Bump Out

19. This is an easy assembly that adds nice character to Koonings. It is also able to be placed on the blank end wall (#1), or completely omitted for a different look. The walls are board-n-batten parts #5,6,7. Add the 1/8"x1/8" stripwood (RED tip) bracing. Reference the bracing chart for locations. The critical area is keeping the center wall (#5) bracing about 3/16" from the edge. This allows the sidewalls (#6,7) to fit into the corners.



20. Paint the engraved brick parts #8,9,10,11 and glue them to the bottom edges of the extension walls #5,6,7.
21. Glue the sidewalls to the backside of #5 at the corners.



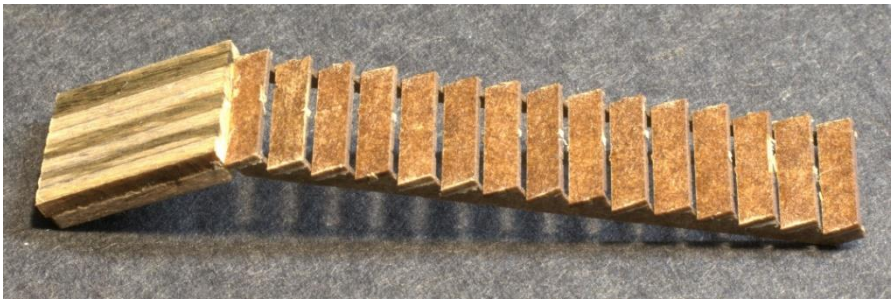
22. The last step to prep the main building for the foundation is to add trim around the large triple front door. Use 1/32" x 1/16" stripwood (BLUE tip) to create trim.

<u>The Foundation & Stairwell</u>

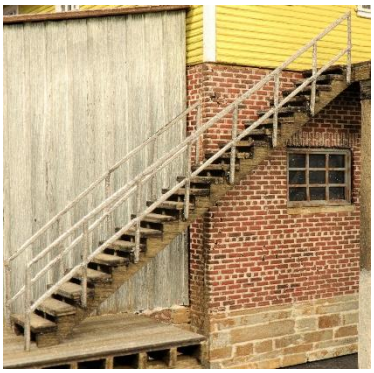
23. The foundation (part #41) is an optional part, but it does help keep the walls sqaure, and raises the whole structure off the ground like it is built on a poured slab foundation. Paint or stain both sides of the foundation to help it from warping. We painted it a concrete color. This makes it look like a poured concrete slab from the outside. The foundation includes an intigrated sidewalk with a sloped driveway entrance to the main doors.Once it is dry, glue it to the bottom of the 4 walls.

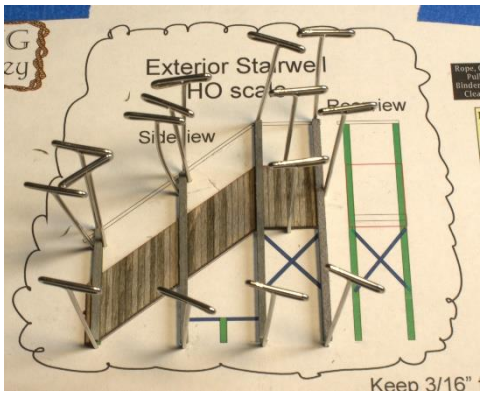
Let's raise this model to the next level… Time to build the stairwell!

24. The stairwell has two options to build. You can build it with plain railings or the half-enclosed version (shown in pictures).
25. The first parts to assemble are the stair stringers and treads (part#31,32). Also, the top platform (part#33,34). Both versions need these built. Once all are dry, glue the narrow side of the platform to the top of the stair stringer assembly.

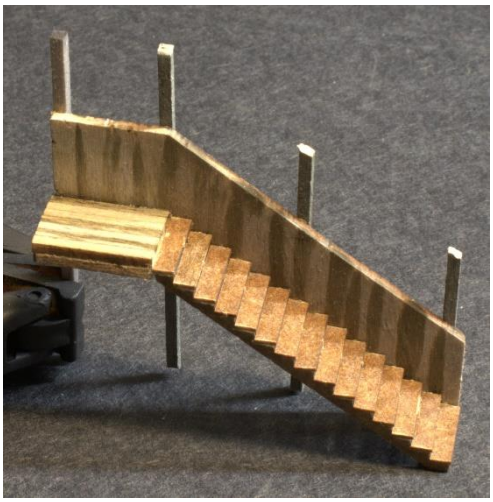


26. If you choose to have the simple railings, follow this step. Otherwise, skip to step26 for the enclosed stairwell. Just attach railing part #35,36,37 to the edge of the stair assembly (a similar installation is shown in this picture). Then glue the top platform under the bottom threshold of the 2nd floor door.



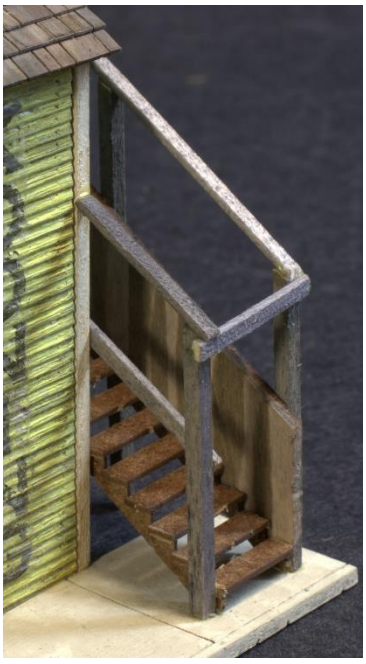


27. If you decide to create the half-enclosed stairwell, you will need sidewalls part #39,40. Use the scale drawing on the "Bracing" instructions page. It is in HO scale. It shows you the position of the stairwell supports, and height of the roof line for the stairs. Mount the schematic to a piece of wood or Homasote. Then use T-pins to hold the sidewalls and stripwood in position while your glue dries. The vertical posts are 1/16"x1/16" stripwood (GREEN tip).



28. Attach the stair and platform assembly from step 24 to the non-scribed backside of the sidewall assembly.

29. Use a length of 1/16"x1/16" stripwood (GREEN tip) the same as the bottom, short vertical support. This is attached to the left side of the bottom step. A short piece of 1/32"x1/16" stripwood (BLUE tip) creates the horizontal beam to support the roof sheathing, in a later step.



30. Paint and install the 2nd floor door prior to attaching the stair assembly.

31. Now you can glue the whole stair assembly to the sidewall #2. The top platform fits under the 2nd floor door's threshold, and the bottom stair should rest on the sidewalk. You may need to file the vertical support legs of the stair to have it rest evenly on your surface.

32. With that in place, you can add a piece of 1/32"x1/16" stripwood (BLUE tip) that fits on top of the left side step support from step 28 to the corner post trim of the main building.

33. Glue the short backwall part #40 to the backside of the top platform.

34. Add a short piece of 1/32"x1/16" stripwood (BLUE tip) that fits across the top platform. Again, to support the roof sheathing.

35. You can add cross braces to the two longest legs using 1/32”x1/16” stripwood (BLUE tip). The same stripwood can be used to create a wooden benchtop under the stairwell. Just cut a couple of pieces as shown in the stair schematic. Then attach one to the clapboard wall, and the other between legs holding up the stairwell.

36. Then cut lengths of stripwood to cover across the two supports to create the tabletop.

37. Glue on the roof sheathing for the stairwell Part #44,45. Then cover it with the “rolled tarpaper” self-adhesive strips provided.

The Rear Extension Roof

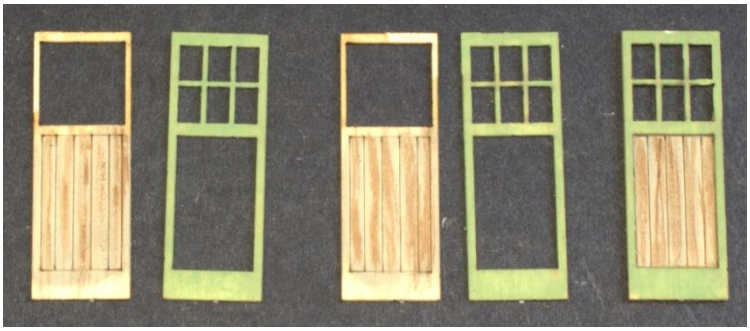
38. Now with all the main building foundation and attachments in place you can add the back extension on the back wall #3. As mentioned earlier, it can be attached to the sidewall #1 for a different look. Once you decide the location of the extension, add the roof sheathing part #18. The kit is provided with our *Corrugated Roofing Material,* which is also available at MineMountModels.com. I recommend painting, weathering, and cutting into 4ft wide HO scale pieces. Before applying to the extension roof.

Windows & Doors

39. The windows are by Tichy Train Group. Just like any plastic kit, the plastic doors need to be washed off with mild dish detergent and warm water. Paint them your desired color. There is a sheet of clear acetate that has the glazing for doors and windows already precut to the correct sizes.

40. Now just test fit them into the different openings, and glue them once happy with the fit. Use all the pictures provided to help with locations.

41. The three main front doors require a little more construction. Again, the kit offers two options for the triple doors. They can be built as one solid assembly, or in three individual doors that can be positioned in different configurations. The single, solid door is made with parts #27,28. After painting the two pieces, glue #28 on top of #27. Add the clear glazing and then glue the triple door assembly to the large front opening.



42. The three individual doors are built in a similar fashion. Just use part #29,30. Add the glazing and glue them into a variety of open positions.

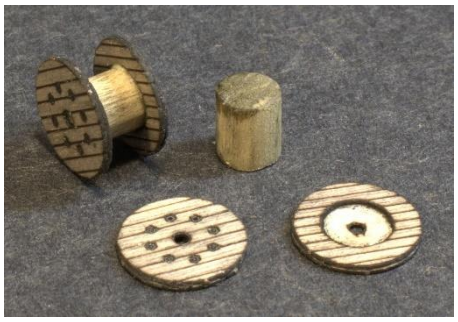
Signs & Details

43. The kit comes with a variety of signs that can add life to your model. There are no specific spots for any of the signs… except for the one "KOONING Rope & Pulley" wall sign, which uses the mounting board part #46.

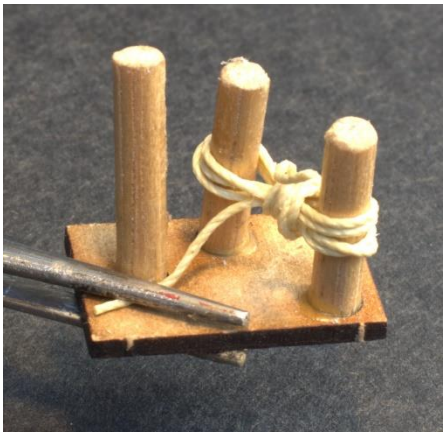
44. Another unique sign is the vertical "KOONING" sign that is on the right side of the front wall #4. We provide a regular view sign if you want to cut it out and apply it directly to the wall. We also provide a mirrored version of the sign if you want to use a *Photo Transfer Solution* like the Rustoleum brand we use mfg. #350457. We have also heard of people using Modge Podge paste, but we have no experience with that technique. The solution magically transfers the printer ink directly to the surface you apply it to.

45. The remaining signs can be cut out and applied to the walls by whatever technique you normally use.

46. The resin detail parts should be rinsed off with warm soapy water and dried before painting. The straight roof vent and the brick chimney are installed by filing the bottoms to match the pitch of the roofs. Glue them into the locations you like. Paint around the base with a grimy black color to simulate tar sealant. The trashcans, rope spools, and other resin details can be placed around the building and on the sidewalk where you see fit.



47. Other details we provide are a couple wooden rope spools laser cut from 1/64" plywood. Use part #47,48 and ¼" wood dowel provided. Glue the smooth sides of #47,48 together. Cut the ¼" dowel to approximately ¼" long. This length can vary depending on the size spool you want.
48. And what rope supplier is good without having… ROPE! In the kit we provide a small jig for wrapping the rigging twine (two sizes) into small bundles. Use the 1/8" wooden dowel and cut it into three ¾" long pieces. Glue them into the three holes in the jig. The dowels are spaced so that if you use any 2 posts, you get different sized rope bundles. Take the rigging twine and wrap it about 4-5 times. Then perpendicularly loop it 2-3 times around the first larger loops. Add a small amount of glue to hold it together. Keep them a natural color or use stains to make them look like different types of rope material or weathered bundles.



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 **KOONING Rope & Pulley** . 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