

Mine Mount Models

CRAFTSMAN MODEL KITS



The Pier is where your boat docks in a safe harbor. It can also be a peaceful place to catch the BIG ONE!

This kit is a beautiful representation of a waterfront multipurpose pier. It can be built easily in a few nights. Take your time and enjoy the process. You can build it into The Pier or add your own structure and use your imagination to see what you can come up with for your railroad!

Tools & Supplies

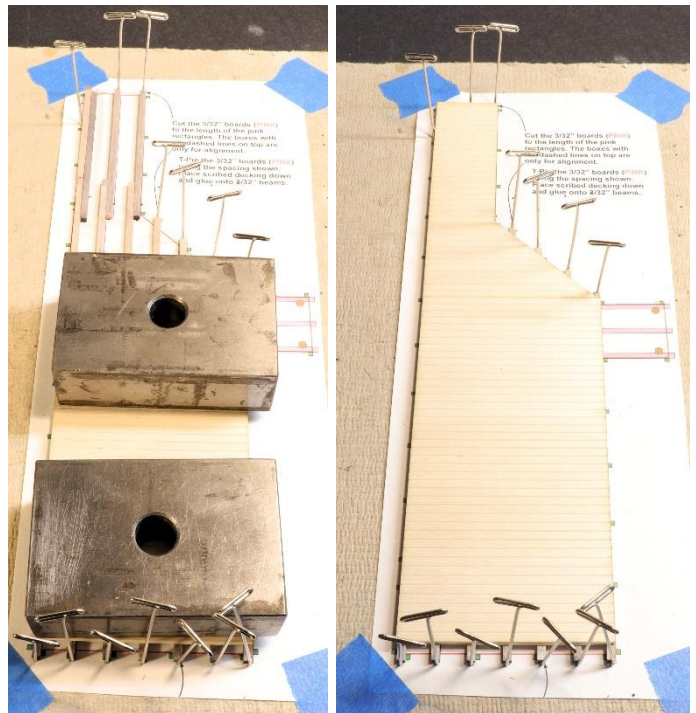
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|--|----------------------------|--------------------|
| ✓ Hobby knife, with an #11 Xacto Blade | ✓ 1-2-3 blocks (optional) | ✓ Paints & Brushes |
| ✓ Fine File | ✓ Small magnets (optional) | ✓ Tweezers |
| ✓ Square & Ruler | ✓ NWSL Chopper (optional)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

Pre-assembly

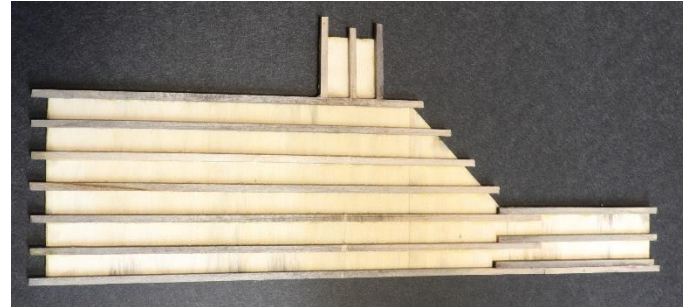
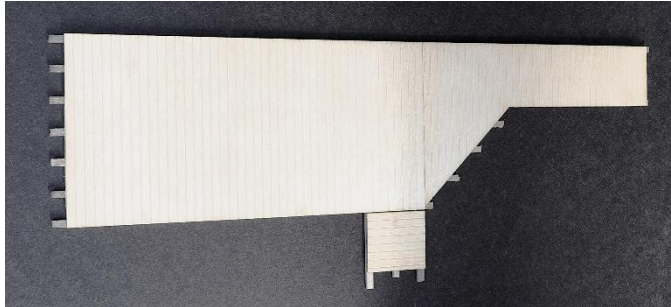
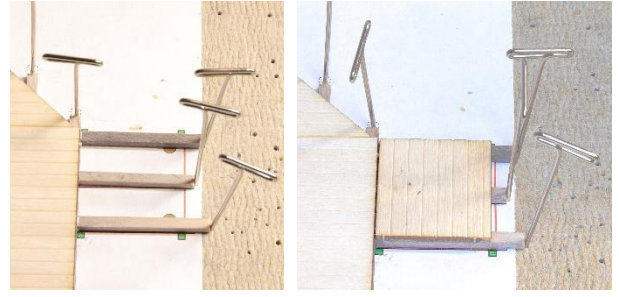
1. Inspect all sheets of laser cut materials against the diagrams provided in the instructions, checking for any missing pieces or damaged parts. Please reach out to us with any issue.
2. Before starting your model, read through these instructions completely to become familiar with the parts and assembly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

Bracing Main Decking

3. The kit can be configured in a few different profiles. The main dock that we show in our directions is the long straight version shown in our pictures. We show a couple other versions on the schematic sheets. If you chose to build your dock in a variant other than the main one, you could use the same techniques shown in the directions. But you will have to adjust to fit your version. Reference the parts list for bracing location.
4. We suggest you stain all the wood parts before assembly. The glue could block your stain or paint from penetrating into the wood. I use a Homasote base to tape the dock schematic onto. You could also use a softwood. This allows you to use T-pins to hold the parts in position while you glue them together.
5. Start by cutting the 3/32"x 3/32" stripwood (PINK tip) to the length of your dock. Pin it onto the schematic. You can see in the picture that some boards will have to be doubled up, because the material is only 8" long.
6. Glue on the main decking part #6. The short edge of the decking is set back from the ends of the 3/32" beams by about 1/8" Follow it up with the tapered decking part #15. Use weights to keep them flat while they dry.
7. Once it is dry, you can add nail holes with a pounce wheel if you prefer. Just use a straight edge to line them up with the beams

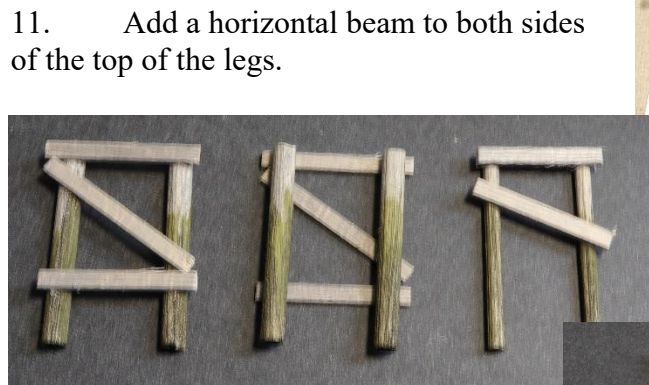
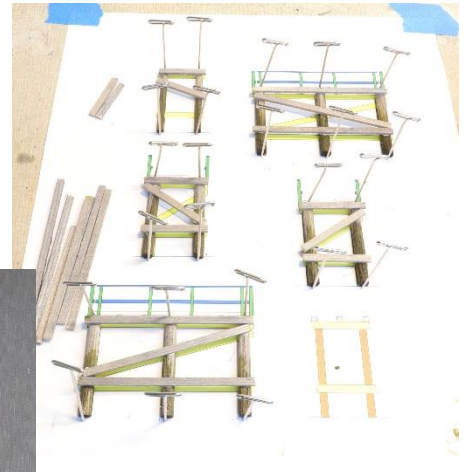


8. The small deck on the side was created with the same technique. 3/32"x 3/32" stripwood (PINK tip) beams with the deck part #16. Again, the beams protrude from the edge of the decking by about 1/8". This small deck supports the top of the ramp that leads to the floating dock.



Piling Leg Supports

9. Start by determining the height of your dock. You will have to adjust the length of dowels and cross bracing if you change the height. The schematic shows three different sized piling supports. The number of each depends on how large you decided to build your dock. Our version has qty 4 of the three leg 3/16" dowels, qty 2 of the two leg 3/16" dowels, and qty 1 of the two leg 1/8" dowels. The smaller legs support the small platform that the ramp is attached to. Also, some of the legs have one angled beam, while a couple of others have two angled X-bracing.
10. I suggest you stain and add the water marks and algae rings before gluing the parts together. Use the T-Pins to hold the 3/16" wood dowels while you glue on the 1/16" x 1/8" stripwood (YELLOW tip) horizontal and angled cross beams.



11. Add a horizontal beam to both sides of the top of the legs.

12. I added dabs of glue and crushed gray ballast to represent barnacles on the bottom of the pilings and lower beams. Then add the same color watermarks and algae rings on the cross beams at the same planes as on the vertical legs. This ties the whole assembly together.



13. With the main deck facedown, beams facing up. Use the schematic to help align and space the legs. This step is helped out with a few 1-2-3 blocks and magnets to keep everything square and vertical. We suggest starting at the wide side of the deck and working your way across to the narrow end of the deck.

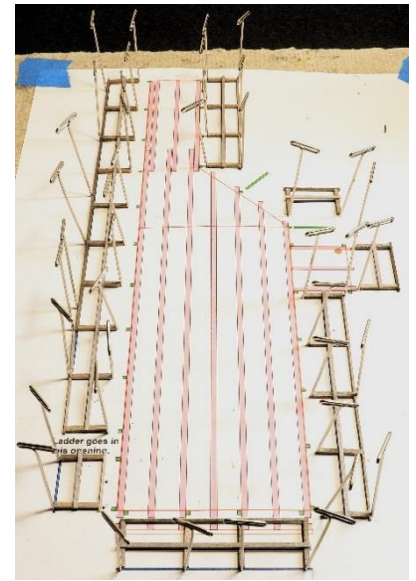
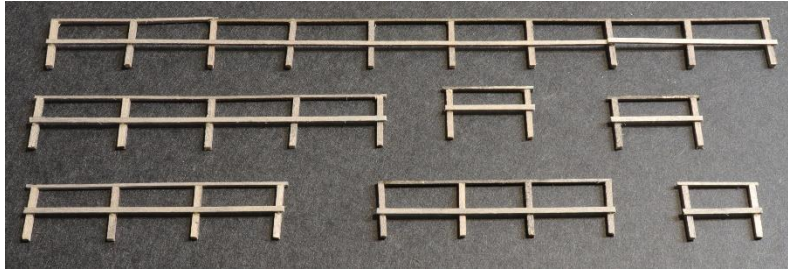


14. Now for most of this step you will use 1/32" x 3/32" stripwood (PURPLE tip) to add a variety of cross bracing between the different leg assemblies. But it can be different sized stripwood to fit the situation. Now is a good time to use up some of your scrap cutoffs. It all adds variety, just as in the prototype. They would use whatever was available if the dock were moving around and they needed to sure it up.

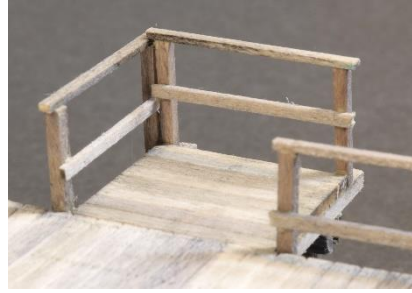


The Railings

15. This is a delicate step because of the many small, light pieces in tight quarters. But build them in small groups and it is manageable. Use the schematic with all the railing around the main deck. Again, these may vary if you change the dock configuration.
16. Use the T-pins to keep all the vertical legs of the railings 1/16" x 1/16" stripwood (**GREEN** tip) in place while you glue the horizontal railings 1/32" x 1/16" stripwood (**BLUE** tip) across the tops and midway up the legs.



17. After you have the different railing assemblies built, you can add them around the main deck. Some of them fit in between the 3/32" beams, while others will glue against the long sides of the beams. There are a couple spots where you must build the railings in place. The main railing would be along the angled section. Just even space the verticals. Then measure, cut, and glue on the top rail. Then finish with the middle rail. You can change up the railings any way you want to fit your scene.



18. Paint and add the laser board ladder to the location you chose. In the picture you see we add a bunch of horizontal boards to function as a boat bump. Where small craft can dock and climb up to the pier. (RIGHT)



Float Dock

19. The floating dock is an easy build using parts #4 & 6, and qty 6 of the 1/8" dowel cut to 3/4" long. After staining the scribe deck, attach #6 to the top. The dowels are painted and glued evenly spaced to the bottom of the deck. They function as floating drums. I seen them a variety of colors, but usually blue or black.



20. To keep the float dock "in place" you need vertical pilings. Create them using the 3/16" dowels. To keep the dock moored to the pilings cut short lengths of the brass rod and bend them around the piling to make a U-shape. Determine where you want the pilings and drill and glue the brass Us in those spots.



21. To finish the floating dock cut two short pieces of the 1/32" x 3/32" stripwood (PURPLE tip) to function as glides where the ramp will rest.

The Ramp

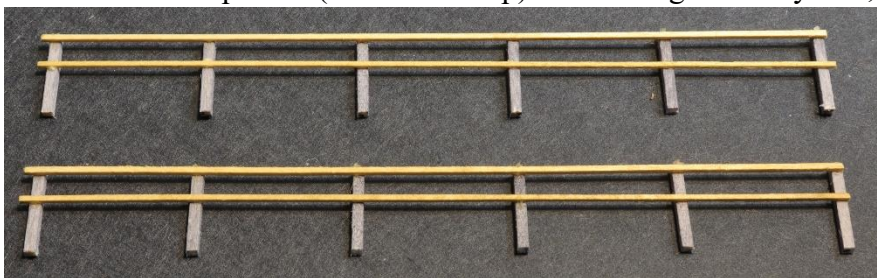
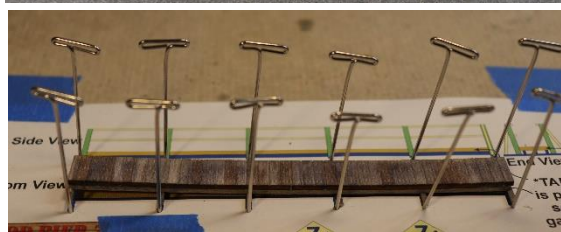
22. The ramp is a delicate build but looks great once complete. The scribed deck is part #5. The rest is different stripwood. The schematics to build it are on the signs page. There are three views to help you align the parts.

23. Start with the bottom view and T-pin the two 1/32" x 1/16" stripwood (BLUE tip) and the one 1/16" x 1/16" stripwood (GREEN tip) cut to length. If you chose to change the height of your dock, you may need to shorten or lengthen the ramp. The picture is the bottom view of this step once dry.

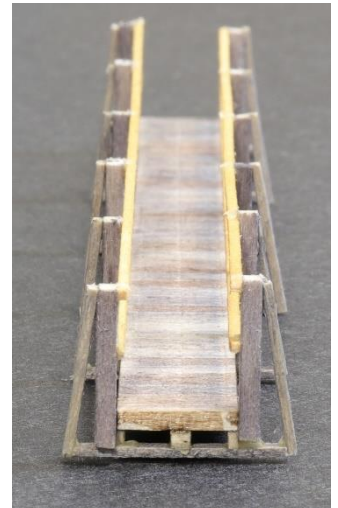
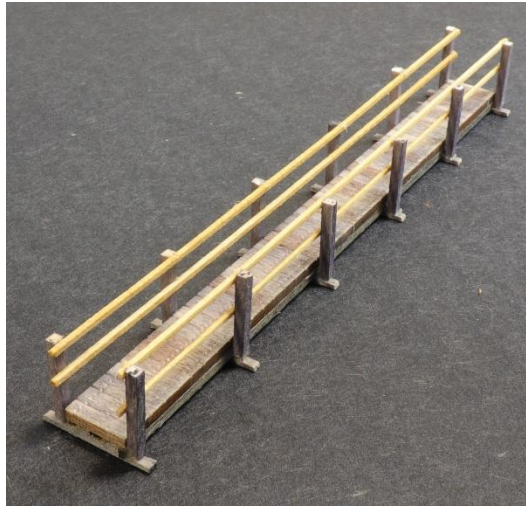


24. The six 1/32" x 1/16" stripwood (BLUE tip) are glued perpendicular to the ramp. They will support the vertical railing posts.

25. Now build two side railing assemblies. The vertical posts are 1/16" x 1/16" stripwood (GREEN tip), and the horizontal railings are 1/32" x 1/32" stripwood (NATURAL tip). The railings are very thin, so be careful.



26. Glue the two railing assemblies on each side of the deck. Be sure to have horizontal railings on the inside.
27. Add the angled bracing on the outside of each leg. This is the trickiest part of the build. Once you understand the two different angles on each end, they become easier.
28. The ramp is complete at this point. Now you have the 3 assemblies needed to finish The Pier.



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 **The Pier**.

. 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**