

Echo Point Charters is inspired by the Portland Schooner Co. registration kiosk in Maine. It's a small structure with a lot of character and potential. The sub-structure is an easy build, but the challenge comes when you apply the shingles on the siding and roof. The signpost is delicate but creates a believable entryway onto the docks. Use your imagination to see what you can come up with for your railroad or diorama!

**Tools & Supplies needed**

- ✓ Hobby knife, with an #11 Xacto Blade
- ✓ Fine File
- ✓ Square & Ruler
- ✓ 1-2-3 blocks (optional)
- ✓ Small magnets (optional)
- ✓ NWSL Chopper (optional)
- ✓ PVA glue or wood glue
- ✓ Cyanoacrylate glue (CA glue)
- ✓ 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.

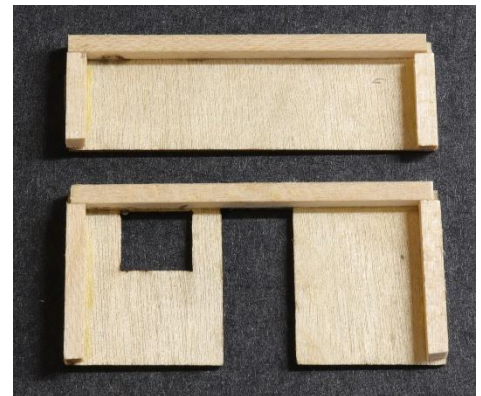
**Walls**

3. The 1<sup>st</sup> step in building EP Charters is properly bracing the main walls #1,2. These are the most important pieces of the structure and getting this right will ensure a great build. Add 1/8"x1/8" stripwood (RED tip) to the short edges of parts 1, 2. Add bracing to the center areas of 1&2 along the top edges. Also, reference the bracing chart provided in the instructions. **Be sure the bracing is on the smooth side, not the scribed line side.** The lines are used to help you align the shingles in the future steps.

Every great journey starts with a first step...

Amazing things are just ahead!

4. Cut out end wall parts #3,4 and file the edges smoothly. Glue the end walls #3,4 to the sides of #1,2 on the 1/8" bracing you added in step 3. If you have 1-2-3 machinist blocks and magnets, now is the time to use them to insure a square building.



**The Shingle Siding**



The kit includes a sheet of our Straight Shake Shingles to cover the walls and roof. To achieve a convincing, detailed, and easy way to get your shingles to look great, check out our Mine Mount Minute How-Tos on our website.

*MineMountModels.com*



## MINE MOUNT MODELS

5. You can use double sided mount tape or glue to attach the strips of shingles to the walls. We prefer the tape method for most of the process. We applied the tape completely around the walls, following up with cutting out the door and window openings with a new, sharp #11 blade. The strips of tape and the engraved lines on the siding help you keep the rows from wandering all over the place.
6. . Start by peeling off a small section of the protective cover on the tape. The first row starts at the bottom. Use the lowest scribed line to apply the shingle strip. The 2<sup>nd</sup> row of shingles should overlap the previous by approximately half. Continue this process around the whole structure. **It is best to keep the tape cover on until you are ready for the next section.**



7. Now you can glue on the roof part #5. There is a scribed line on one side of the sheet. Carefully bend the roof sheet to about 45 degrees to match the roof pitch. Apply glue to the top edge of the walls and attach the sheet.

8. Once the glue is dry, you can apply double stick tape to the roof sheet so you can apply the roof shingles in the same manner as the walls.



9. Start at the bottom of the roof and apply the 1<sup>st</sup> strip of shingles. Half-lap the next row and so on until you reach the top.





## MINE MOUNT MODELS



10. After both sides are covered with the shingles, it's time to cap off the top ridges. To create the shingles for this, use a strip of the shingles and cut them into approximately 5/16" long sections. Start at one end of the peak, working towards the opposite edge, overlapping each shingle 1/16".

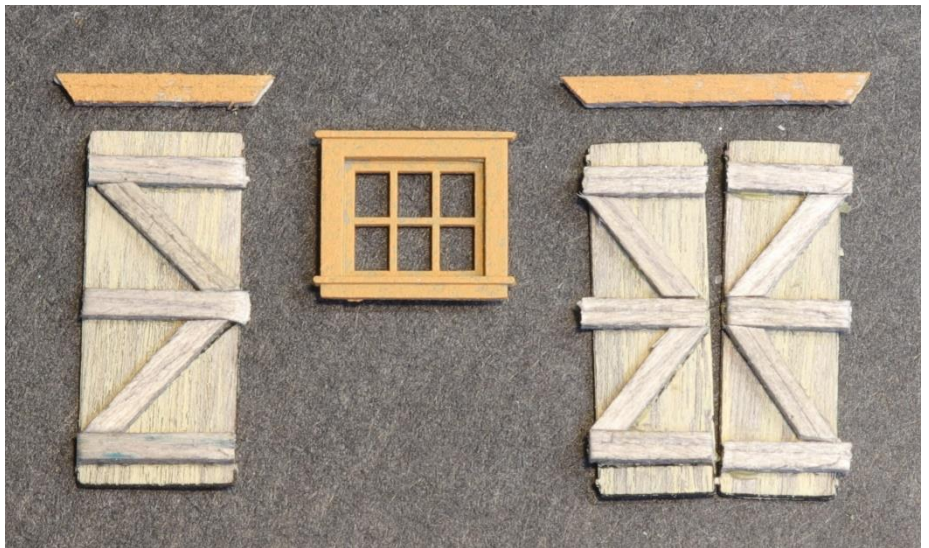


11. There are two pieces of eave trim parts #8,9. They are glued under the eaves of the end walls. (who woulda thought.)



### The Doors & Window

12. The window is a Tichy plastic frame. The kit comes with a small piece of clear acetate. Cut it to fit into the recess on the back of the window frame. Glue into place.
13. There are two narrow door parts #6, and one wider door part #7. Use the 1/32" x 1/16" stripwood (BLUE tip) to create the crossbuck pattern. Use the scribed lines to cut to length and position. I find it easiest to attach the three horizontal boards first. Then cut the diagonal boards to fit.
14. Above each door is a simple trim piece created with the same stripwood as the crossbucks.





## MINE MOUNT MODELS

15. Now just attach the #6 doors to the peaked end wall, along with its top trim piece.
16. The single door #7 to the long wall #1.
17. Also glue in the Tichy window assembly into the opening. You might have to fine tune the shingles around the opening for a good fit.



### The Overhead Sign

18. Use the schematic provided to build the ECHO POINT overhead sign. The two paper signs are cut from the sheet and applied to both sides of the sign backer part #10. The two vertical posts are cut from 1/16" x 1/16" stripwood (GREEN tip). The left side is long and has a small base plate. The short piece is for the roof side and has a bevel to match the angle of the roof. After the sign assembly is dry, glue it to the area you want it on the roof. It can be positioned in a variety of configurations. Use a couple 1-2-3 blocks to keep it vertical while it dries. Next add a short piece of stripwood cut to 45 degrees. It is placed against the short vertical post on the roof to add support.

### Details

19. Now you need to rinse off the resin details with warm water and soap. Paint and prime them. Then use them around the structure to bring it to life.
20. The last thing to do is use the tan (ROPE) twine provided to create the nautical flags banner. Cut each of the double flag and fold it in half to make the flag double sided. Place the twine into the crease of the flags and apply a small tab of glue. You can attach the flags anywhere you think looks good. Maybe even attach it to the top of the vertical posts of the overhead sign and run the rope to another nearby structure or post.



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 **Echo Point Charters**.



Please share your finished build by sending good quality pictures to [info@MineMountModels.com](mailto:info@MineMountModels.com) and we will post them in the "Customer Build Gallery" section of our website. Also, check out our other products by visiting [www.MineMountModels.com](http://www.MineMountModels.com).

**Thank you,  
Ron & Michelle**