

See us in Section 47 of the BLC!



Nothing looks as good as wood!



About Me – Chris Coarse



Conowingomodels.com

- Air National Guard C-130H Loadmaster
- Married with two daughters
- Residing in Conowingo, MD – 3 miles from the dam
- Tyco Silver Streak train set as a kid
- Returned to model railroading in 2012 thanks to Polar Express
- Conowingo Models was started in 2019
- Logo is Pentaquod from James Michener's novel "Chesapeake", which references Conowingo
- Will eventually model the Rutland Railroad





WHAT YOU WILL NEED TO BRING WITH YOU

Qty

Item

ALL TOOLS, GLUE AND PAINT PROVIDED
Paint is only needed for touch-ups

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Conowingo Models Repurposed 24-Foot Boxcar Clinic



The structure you are about to build is semi-fictional.

The concept has been done many times, however the 24-Foot Boxcar is a conglomeration of several boxcar designs

Included is signage for an ice cream shop and a coffee shop





WARNING

THESE INSTRUCTIONS SKIP AROUND TO
KEEP THE MODELER MOVING FORWARD.

DO NOT GET TOO FAR AHEAD AS YOU MAY MISS SOMETHING.





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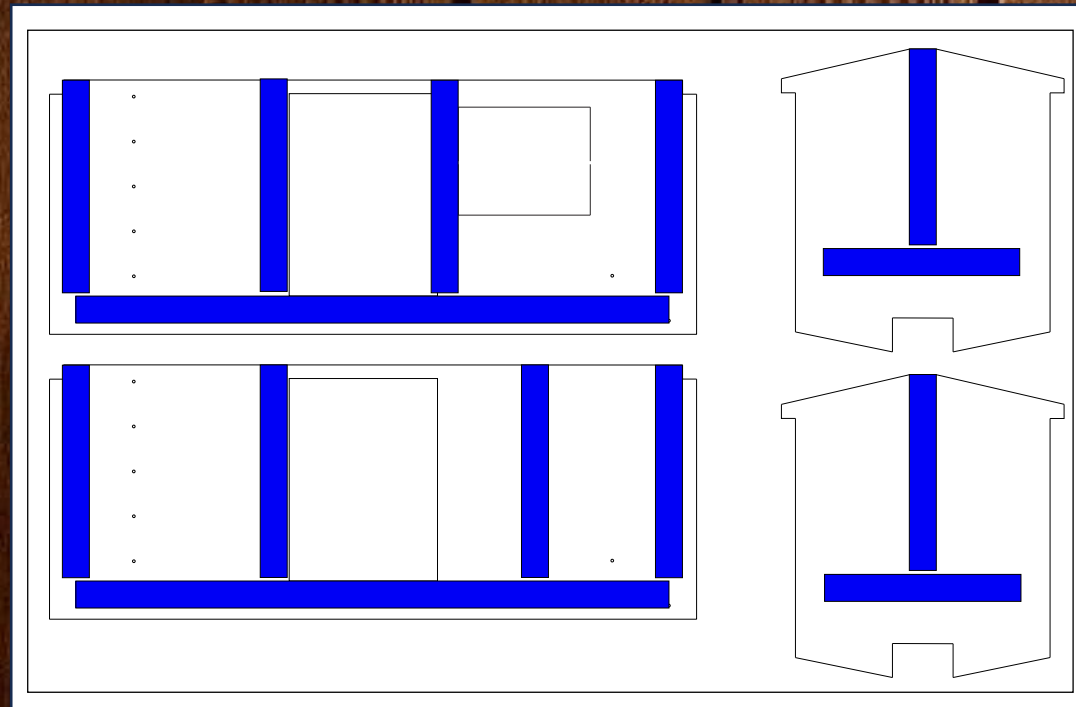
1. Cut the stripwood

Stripwood Cut Chart				
<u>Size</u>	<u>Color</u>	<u>Length</u>	<u>Quantity</u>	<u>Nomenclature</u>
1/8 inch	Black	1.25 inches	4	Base Supports
1/8 inch	Black	.7 inches	2	Deck Supports
1/16 inch	Brown	1.58 inches	2	Door Track
1/16 inch	Brown	1.78 inches	1	Step Base
1/32 x 3/32	Stain Grey	.83 inches	7	Decking
1/8 inch	None	1 inch	12	Bracing
1/8 inch	None	3 inches	2	Bracing



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2. Brace the walls



Do Not brace all the way to the edges- Doing so would prevent the walls from fitting together.



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3. Assemble the windows and doors

- Glue acetate into the windows x3
- Glue the doors into the doorways x2
- Glue the slider window into the desired location on the window

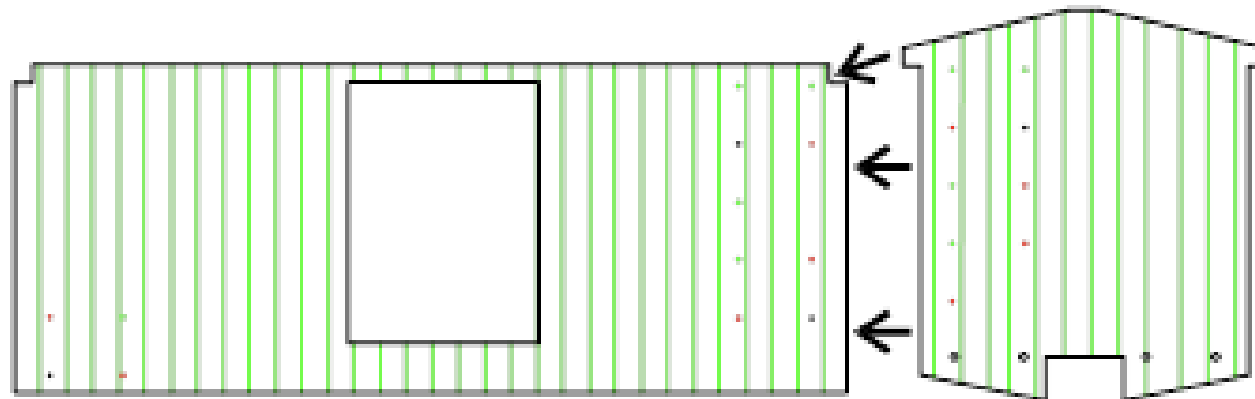




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4. Assemble the building halves

- Note the tenon on the top of the end wall
- Glue the corners together so that the tenon fits in the notch
 - Ensure there is no end bulging out
 - Repeat for the other half

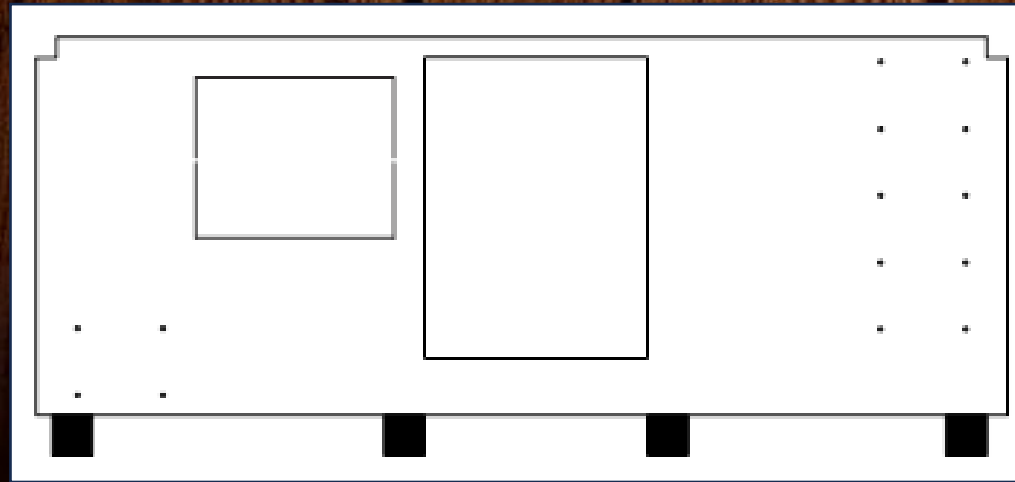




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5. Assemble the building

- Take two halves and glue the corners together so that the tenons fit in the notches
- Ensure there is no end bulging out
 - Hold square until tacky
- Add the 1/8 base supports as shown below. This should hold the building square

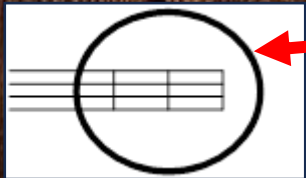




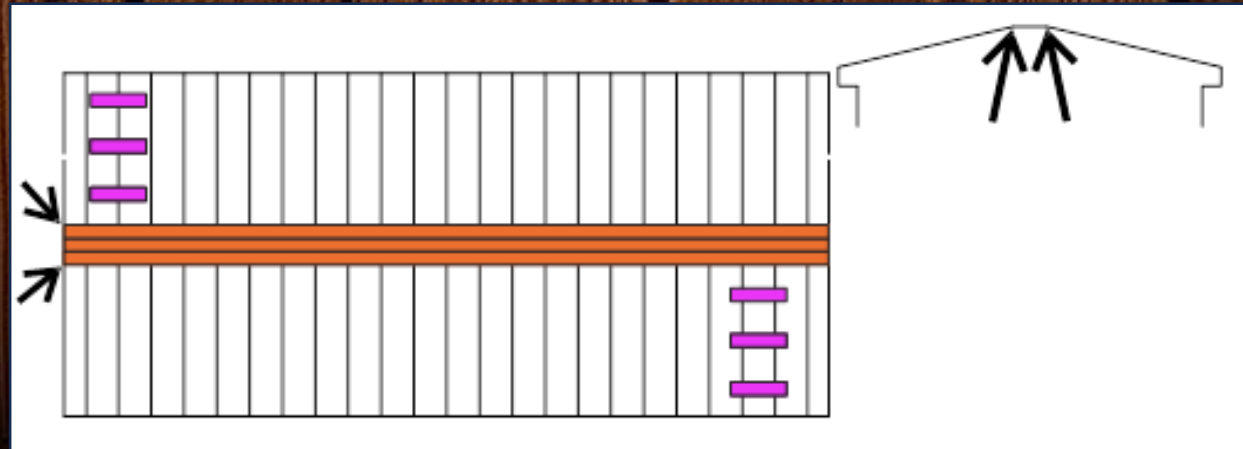
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6. Prepping the Roof

- Cut the two pieces that look like this from the roof walk. These are the roof steps. Cut each down so you have a total of six pieces



- Bend the roof as shown.
- Glue the roof into position on the boxcar as evenly as you can. Note the flat spot.
- Apply the roof walks as shown





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6Aish. Roof Details

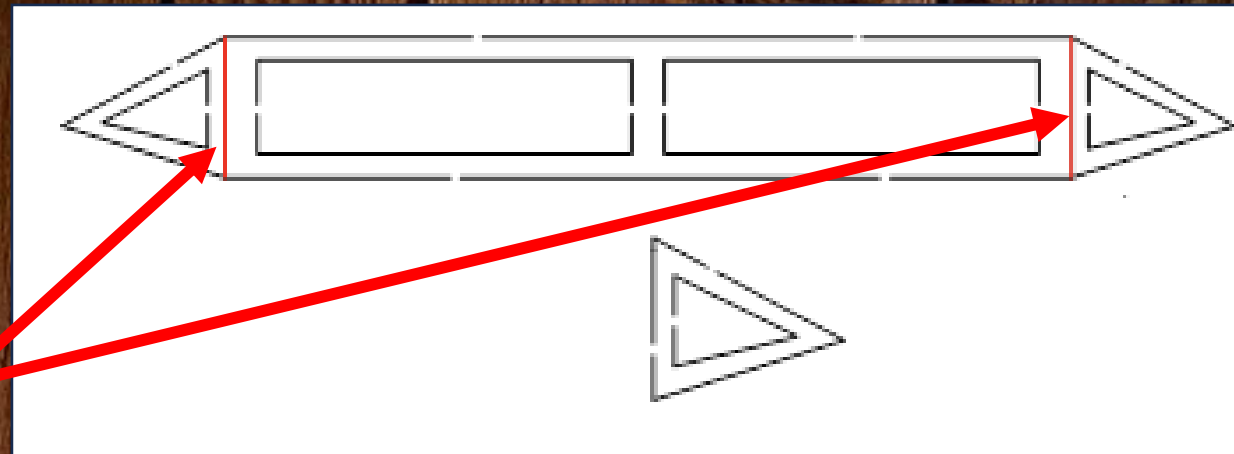
- If you build the roof at home, you have options –
- The roof will either be in really bad shape or in great shape as it was replaced at one time.
- You could install a tar paper roof. Look up Jason Jensen Trains episode 010 if you would like some great instructions on how to do this.
- You could take a razor saw and rough up the roof.
- Patches are easy to do. Simply cut out a piece of cardstock in the size and shape you desire, paint it, add nail holes with a hobby knife and glue in place.
- Also you can put a much or as little of the roof walks on the roof as they want.



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7. Building The Sign

- Cut out the frame for the sign and the center support
- DO NOT CUT OFF THE END SUPPORTS
- Carefully deepen the grooves for the end supports. You want them to bend
- Bend the two supports at a 90° angle
- Glue the center support in the middle, also at a 90° angle

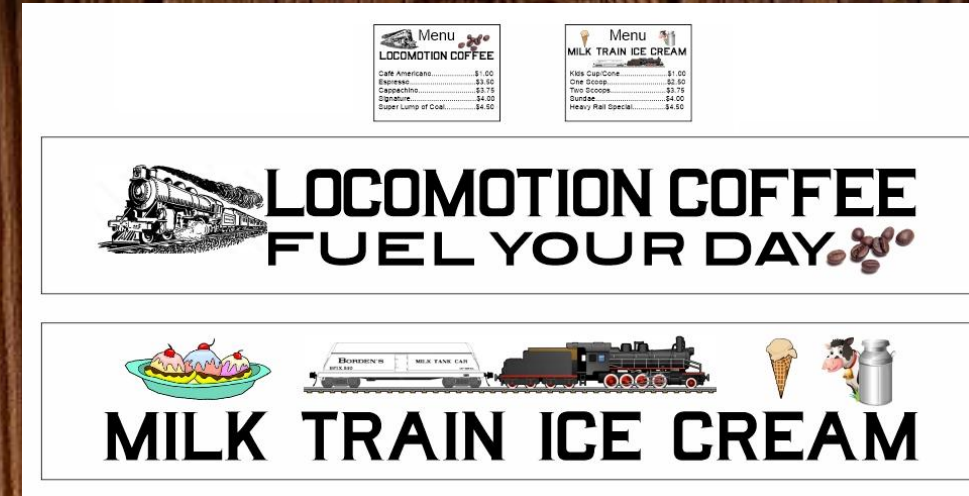




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8. Adding Signage

- Cut out the sign and menu board from the laserboard sheet
- Decide which of the signs you would like to use for your shop
- Cut the respective sign and menu from the paper sheet
- Make the cut a little bit bigger than the outline
- Add a layer of glue to the white side of the sign board and menu
- Carefully apply the sign and menu to their respective boards, ensuring they are level and centered
- Glue the sign to the sign frame

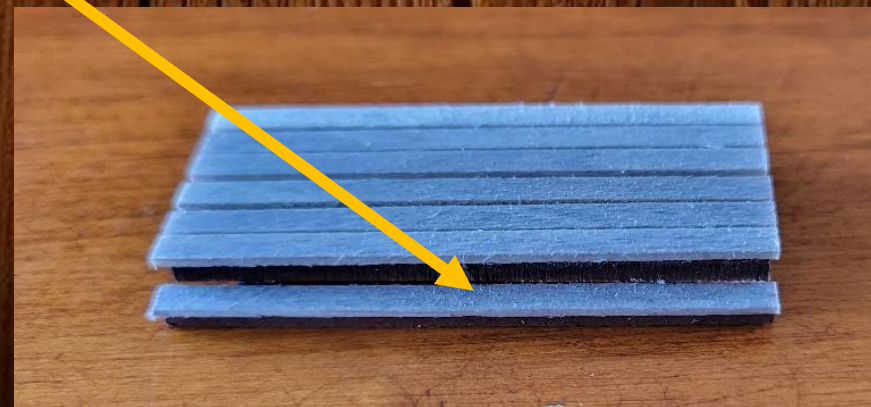
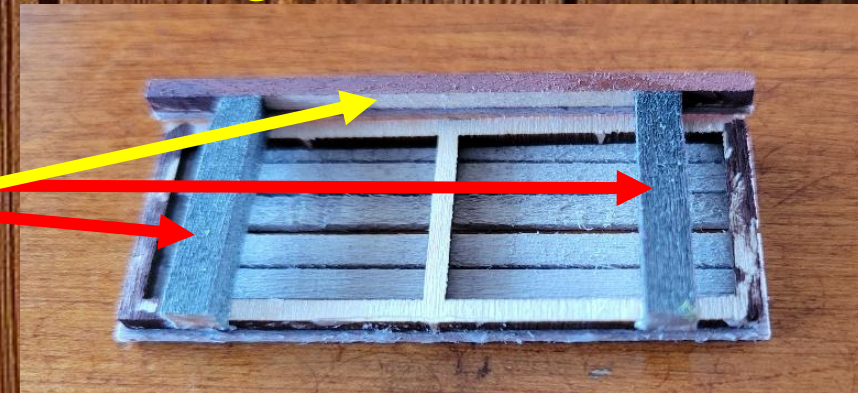
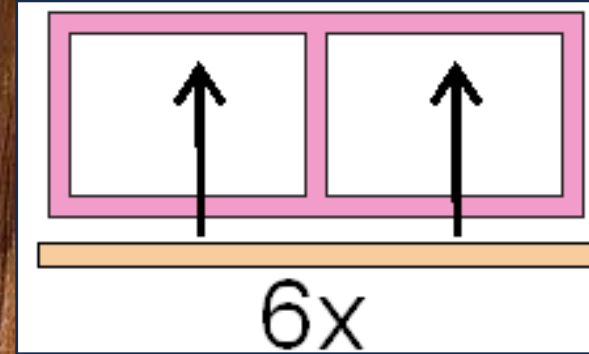




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9. Building The Deck

- Glue the $\frac{1}{32} \times \frac{3}{32}$ deck boards to the deck base as shown. Reserve one for the step.
- Space them as evenly as possible and ensure there is a slight overhang on each side.
- Glue the $\frac{1}{8}$ -inch deck supports into position
- Glue the $\frac{1}{16}$ -inch step base into position
- Glue the last piece of $\frac{1}{32} \times \frac{3}{32}$ into place





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10. Details

- Install the door tracks on both sides as shown below. Note the left side of the door tracks lines up with the scribe line because of the window clearance
- Glue the window into place
- Glue the sign and menu into place
- Glue the deck into place. We matched up the right edge of the deck with the right edge of the door frame
- Decide where you want the smoke jack and poke a hole there with your knife
- Glue the smoke jack into place





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11. Finishing Touches

- Do paint touch-ups
- Weather as appropriate
- The grabirons were “removed” when this was converted from a boxcar into a shop. You could-
 1. Add wire grabirons – some were “broken off”, so you will have to add the holes
 2. Weather with black paint to simulate rot.
 3. Weather with orange paint to simulate rust. (like we did)



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Thank you!

One of these days...
I'm coming to a train show....
If I can stay awake that long...



Would you like some Conowingo
Models Swag?

Scan the QR code to see available
t-shirts, hats, sweatshirts, etc.



We Use Quality Products From These Vendors

