Conowingo Models

KELLOW STATION

In HO and O scale

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Thank you for purchasing this kit.

Kellow Station is named after New Tracks Modeling newtracksmodeling.com founder and host Jim Kellow. Jim is an avid traction modeler and this fictional station is intended to bring modelers back to the glory days of traction.

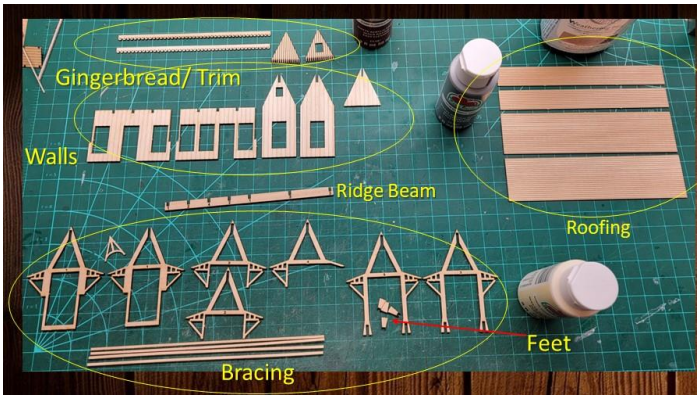
We used both the HO and O scale pilot models as well as the Eliminator Depot pilot model for the instructions. Some parts have been changed between the pilot models and the model you have. This is also true of the different building techniques. We figured out better ways to build as we put the pilot models together. Don't get hung up if some parts look different than in the photos.

Hopefully, this will be slightly challenging, but not hard. It is imperative that you follow the directions, because even I got thrown off while building the prototypes. There is an order to these that should be followed.

1. **Cut out the parts**. Be extremely careful with the wrought iron piece. Do not cut the cleats off of the feet.

2. **Do your research**. This structure is fictional, so the paint choices are endless. We found it's best to use three colors (plus concrete and wrought iron) as shown on the HO scale pilot model (pictured). However, two colors will work. The pilot model uses white, red and grey.

3. **Sort the parts** as shown below. Sign parts not shown- group them together

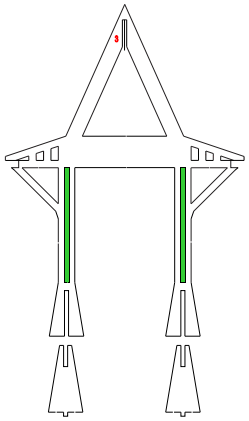


4. **Brace the gingerbread**
   Take two pieces of 1/16 stripwood (HO) or the two long pieces of 1/8 stripwood (O) and glue them to the two long pieces of gingerbread. The stripwood attaches to the non-rosetted side at the top. Trim as necessary to ensure a proper fit.

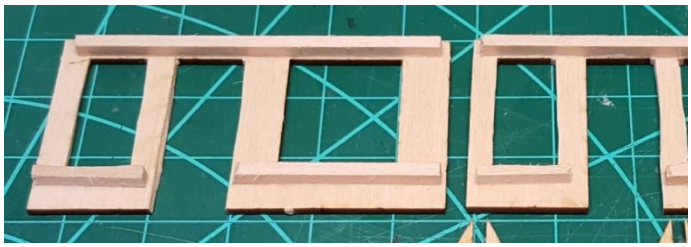
5. **Trim the excess Board and Batten (BnB) from the walls**.
   The purpose is so that the doors and windows sit flush with the walls. Use an example door and widows to identify where cuts need to be made. Use a pencil to mark it and a hobby knife with a straight blade or razor blade to remove the excess. Do the same with the triangles on the ends where the triangular gingerbread will cover.

6. **Add the feet and brace the braces**

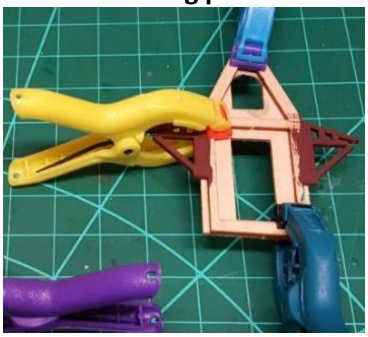
Take the support pieces numbered 3 and glue the feet into the slots as shown below. They should fit nicely into place. Fit and glue into place a piece of 1/16 stripwood (Shown in green) below. Be sure to do this with both sides of the support. One of the #3 pieces will need to have the 1/16 shorter than the other. This only needs to be done on one side of the outermost piece. Use the triangle to determine where to cut the 1/16, so the triangle fits into place. Fill any gaps with putty. Paint when dry.



7. **Add internal bracing** using pieces of 1/16 (1/8 for O) across the tops and bottoms of the walls. It can go behind the door holes (HO), but not the windows. There will need to be a gap on the O scale version. Leave a 1/16 gap on each end.



8. **Glue the internal bracing pieces to the ends.**

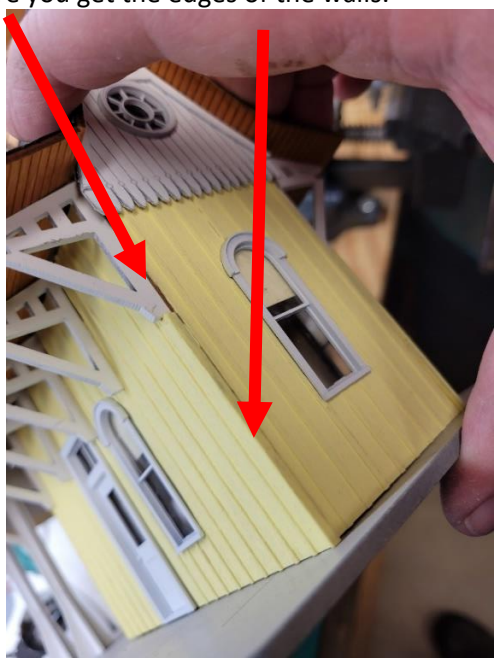


9. **Prepare the wood roof**

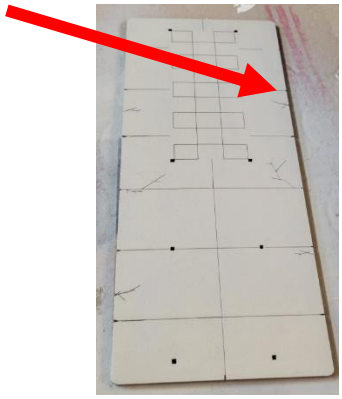
- Add a scribed mark on both sides of the scribed roof pieces (2 roof pieces). This will be the centerline for the hinge. This step is not required if your kit came with four pieces of roof wood.
- If your kit has four pieces of roof wood, butt one narrow piece to one wide piece lengthwise. Do NOT glue them together
- Brace the non-scribed side with the shorter piece of pre-cut black construction paper. It will act as a hinge when the roof is applied to the structure. Do NOT apply glue to the mid-section.

Do not glue the pieces at the seam.

10. **Paint/stain all parts as required/desired.** Ensure you get the edges of the walls.



11. As you're painting the parts, keep in mind that there is also a tile floor inside the building. You might want to paint that as well.



12. Window and Door Prep

- Add the included acetate to the doors and windows
- Cut the cardstock for the window shades
- Vary the heights
- Do not cut shades for the door transom or decorative upper windows
- Door shades are optional, but add “proof of life”
- Shades can also be used to hide an empty interior

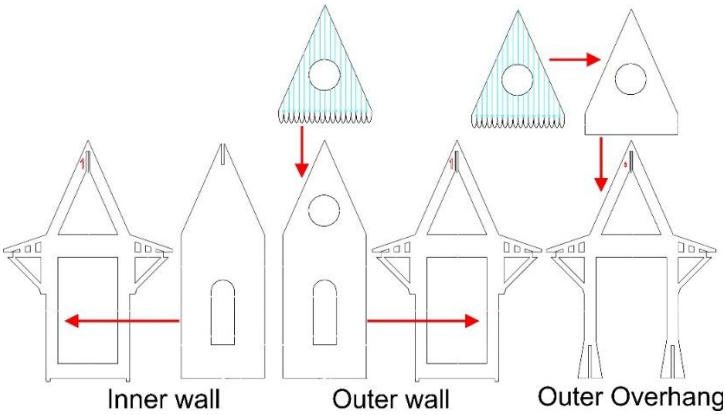
13. Installing the windows and doors

We’ve found that gluing the shades, doors and windows into place before construction will make your life a little easier.

- Glue the window shades into place. Vary the height and possibly occasionally angle one or two to show “proof of life”
- Glue the doors and windows into their respective openings

14. End Wall Assembly

The graphic below is a little busy. Glue the Inner and Outer board and batten walls to the support pieces marked 1. Be sure to line up the roof line with the external wall pieces. The triangular decorative piece is optional. If you use it, be sure to line up the window holes**. Do NOT glue the inner wall to support #1 yet.**



15. Shingle the roof

- Some sheets have adhesive backing, some do not. We apologize for those that do not. There is a shortage of the backing material. If yours doesn’t have the backing, you will need to add a glue in place of it. CA or slow-drying work equally well
- Put the scribe side down and the shorter piece towards you, add a starter strip from the construction paper provided
- Some people recommend adding cheater lines to each side to keep the rows straight. We forgot to do that, but it came out fairly straight without it
- Add one layer straight across with the straight edge at the top. The bottom of each V should line up with the top of another V, forming an X pattern. I’m a lefty, so I started at the right, moving to the left and staggered each row.
- Shingle all the way to the top, ensuring that you only see Vs at the top
- The HO scale kit contains EXACTLY the right amount, so don’t waste any
- The O scale kit has some left over.
- To purchase different styles or colors, please see https://www.rail-scale-models.com/
- Once complete, use a brand-new #11 blade, flip the sheet scribe side up and cut straight down each side. You may need to do a vertical cut and some pressure as opposed to a horizontal cut to prevent the shingles from sliding as the glue isn’t dry yet
- Repeat for the other side

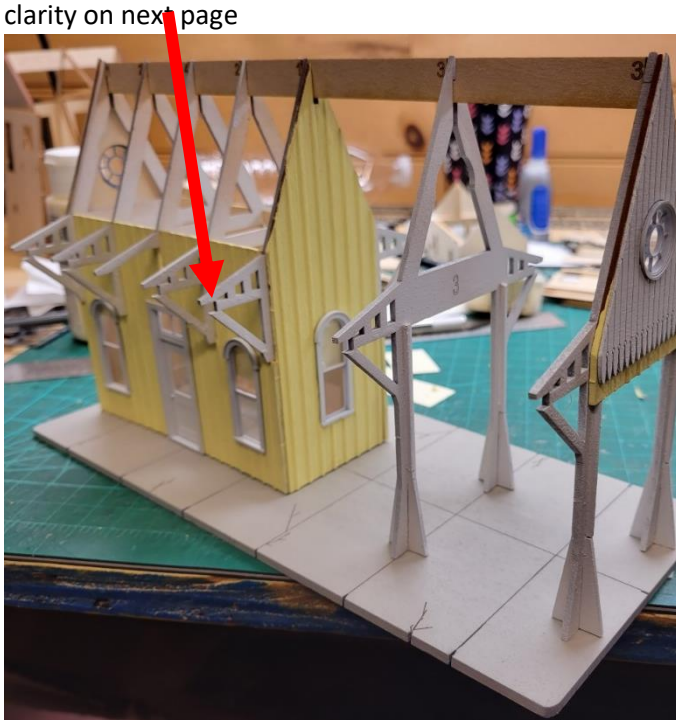
16. Assembly

- Using CA, attach the Brace #1 with the upper window to the corresponding tab on the ridge beam as shown on the photo below, ensuring it is seated at a 90’ angle. Photo lacks outer wall.

- Plan which side Brace #4 will face. The single, unsupported beam will go over the centered door.

- Hook the remainder of the rafters (except for the #3s) onto the ridge beam in their corresponding order, but DO NOT let them drop into their slots yet.
- Insert the inner wall brace #1 into its' respective slot and glue the inner wall to it
- Dry fit and glue into place the two long walls, ensuring the building is squared off
- We used a slower-drying glue to ensure it fits together properly
- Drop the #2s and #4 into their slots. Gluing isn't necessary, but recommended
- Add the Brace #3s to the ridge beam
- Dry fit and glue the bottom cleats into place on the concrete pad
- You may need to add some weights to convince the building of its' place

- Add the long gingerbread pieces to the cut-out notches in the bracing (x2). Only one shown for clarity on next page



- Let dry

17. <u>Roof Attachment</u>

- Use a metal ruler or the edge of a table to bend the crease in the two roof halves
- Dry fit to ensure the roof is where you want it and that it's centered.
- The pilot model roof was a little short, so we've extended the top piece some. You will need to trim it to your liking
- Apply glue to the tops of the braces and clamp the roof into place. Ensure it contacts the braces, is centered and the bend in the roof matches the bend in the braces
- We recommend letting it dry before adding the other side
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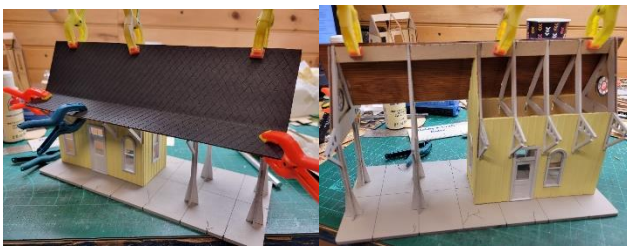


18. Finishing Touches

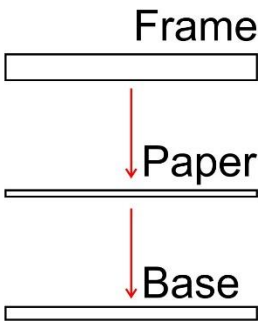
- Using CA, glue the wrought iron finial into place
- Assemble the sign supports. There are four, which have two halves
- We used some Hunterline Driftwood stain to age the sign supports

19. Signage

There is sufficient material to make:
2 Large Kellow Signs
2 Small Kellow Signs
2 Timetable Signs
1 clock

See the diagram below for layering

- Signs and clock are three pieces each
- Paint the frame (probably black)
- Cut out the paper sign or clock
- Alternatively, you could paint the sign by hand
- We used Modge Podge to glue the paper to the base, but white glue should work just fine. Ensure its' flat with no bubbles
- When the frame is dry, glue it to the base
- Cut/sand down the edges
- Paint the edges
- When dry, apply as desired



Please share your completed photos on
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Many thanks to Steve Milley, Jeff Grove, Greg Cassidy and Mark Schreier for their help!

….and of course thank you to my family for the support!

See Conowingomodels.com for our other products as well as updated instructions.