

HO Scale



# P.R.R. Small Freighthouse

## **Kit Basics:**

This kit consists of laser-cut wood parts. Some of the parts are backed with a peel and stick coating to ease assembly. To apply these parts simply remove the backing sheet from the part and press into place. The peel and stick adhesive allows the part locations to be adjusted slightly when first applied, but will set up to a permanent bond in a few hours.

Components are held on the larger sheets with small tabs. Use a sharp knife or razor to remove the parts by cutting through the tabs. We recommend you remove the parts as you use them. It's easier to keep track of them this way.

You will need a few basic tools and supplies such as a sharp hobby knife, a ruler, and masking tape. For gluing, we use white glue (Elmer's or similar) for wood-to-wood joints. A gap filling CA ("Super Glue") can also be used. It can be helpful to use bits of masking tape to hold the corners together while the glue dries.

## **Painting and Weathering tips:**

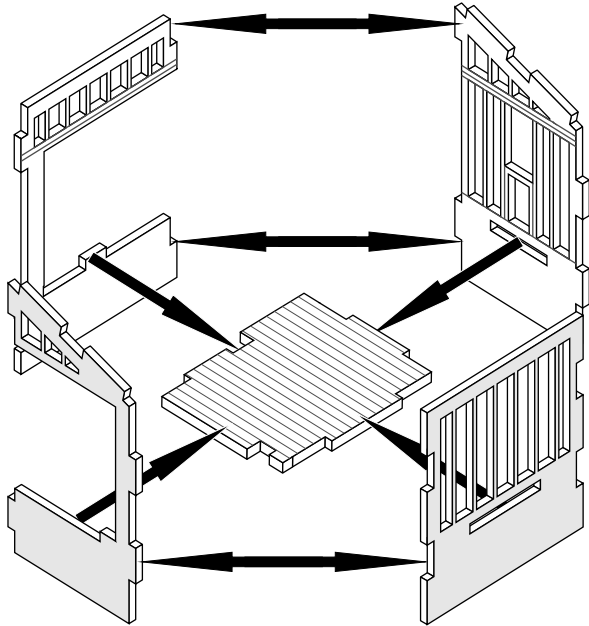
We find it easier to paint many of the parts before or during assembly. If you choose to use water based paints, make sure you use a solvent based primer (automotive primer will work) to seal the wood. This will minimize the wood warping when painted with water based paints.

For an aged look, lightly dry brushing a lighter or darker color onto your original base coat will give your kit a nice weathered look. The heavier the dry brushing, the more of an aged look you will achieve. This technique can also be used on the roofing shingles.

## **Before you begin:**

We strongly recommend that you take a few minutes to read through the instructions and diagrams to familiarize yourself with all of the parts before beginning construction. We also recommend dry fitting pieces before gluing them in to place to help prevent assembly mistakes.

1



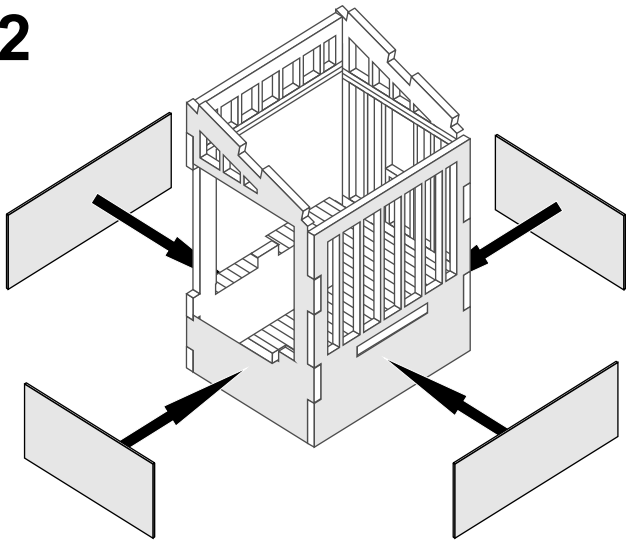
**Constructing the inner framing:**

1) We'll start with construction of the inner framed walls. Locate the four sections of walls that form the inner core as well as the flooring section. The wall sections have a peel-and-stick backing on them. The side with the backing will face outwards when you assemble them. The four walls will glue together by aligning the tabs on the ends of each wall section. The floor section will need to be inserted into the slots in the wall section while you assemble the walls. You can start by gluing the two end walls to the front and rear walls as shown. You can tape the corners of the side walls until they dry.

**Foundation pieces:**

2) Starting with the smaller side walls, first you can remove the peel-and-stick backing from the four wall pieces and the foundation pieces and press them evenly on the bottoms of the wall sections. These should line up with both sides as well as the bottom. Once you have the two side walls installed, you can apply the front and rear sections in the same fashion. These two pieces are longer and will overlap the side foundation pieces you just installed. Trim any extra overlap with a hobby knife. A little putty can be used to fill in the small gaps on the corners of the pieces if desired. Paint your foundation a dark base coat. When dry, you can lightly dry brush a few lighter and darker colors to highlight the bricks.

2



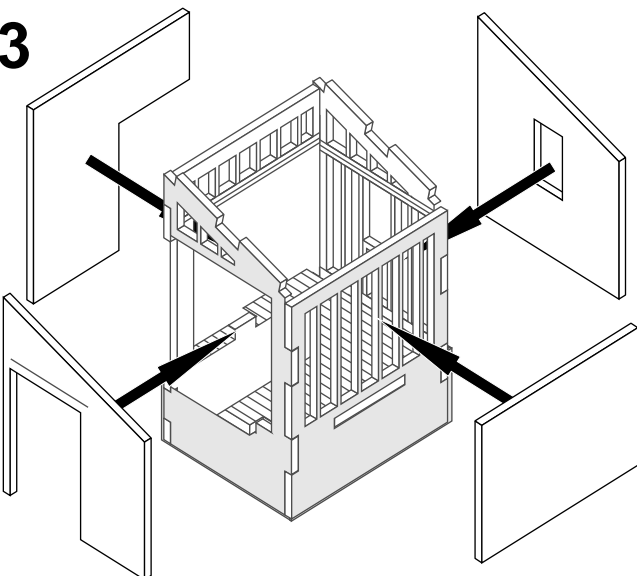
**Wall panels:**

3) Locate the four outer wall panels. Starting with the side walls, press the panels evenly onto the main core. Follow with the front and rear walls. These will overlap the side wall, giving you a clean corner. Putty any gaps as needed. Paint your walls at this point

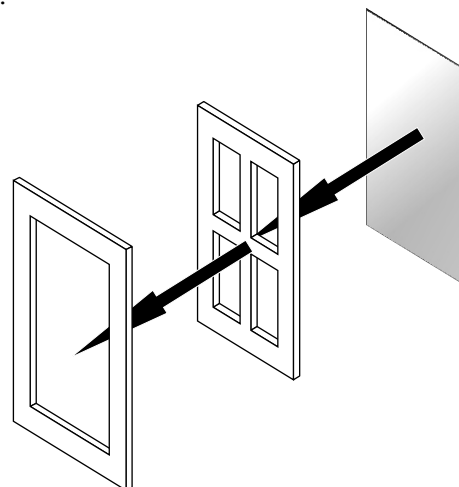
**Wall panels:**

4) Assemble the window as shown. Remove the peel-and-stick backing from the main window and apply the piece of clear glazing to it. Next remove the peel-and-stick backing from the window frame. You will now need to press the window assembly into the frame making sure it is centered on all sides. Once ready, set it aside for a moment and proceed onto step 5.

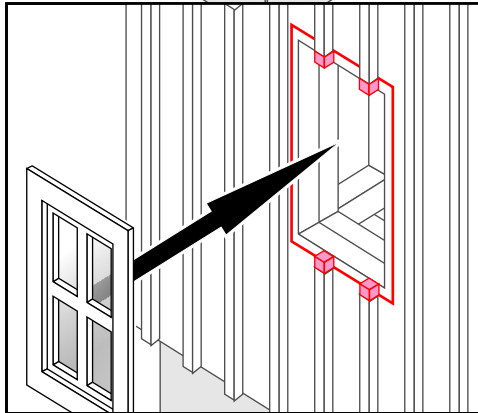
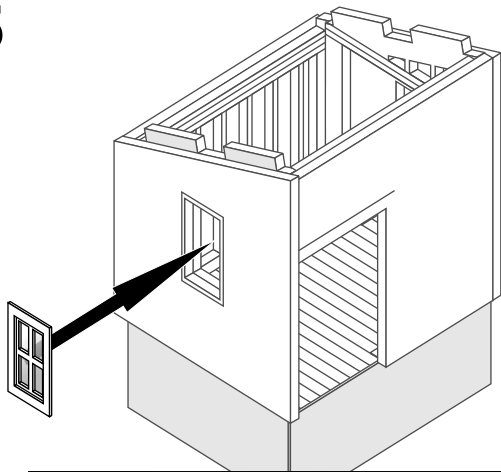
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**Adding the window:**

5) Before you install the window, you will need to trim the vertical boards around the window to allow the frame to sit flat against the wall panels. You will notice a scribed line around the window opening. This shows you where the frame will sit when in place. Using a sharp hobby knife, you can cut away the vertical board between the scribed line and the window opening. See diagram showing what to cut off. Run your blade sideways across the wall panel, just under the vertical board. This should flick it right off evenly. Do this on any board that is within that scribed line. Once that area is clear, you can apply the window into place.

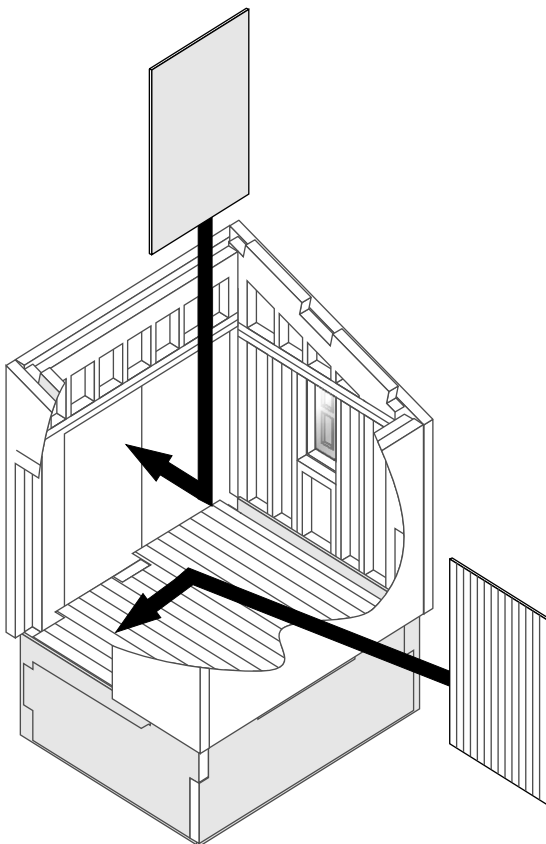
**Adding the doors:**

6) The doors in this kit represent sliding doors. Paint the door panels prior to installation. These will need to be glued into place in any position, opened, half opened or closed. Your choice. Repeat this step for both doors.

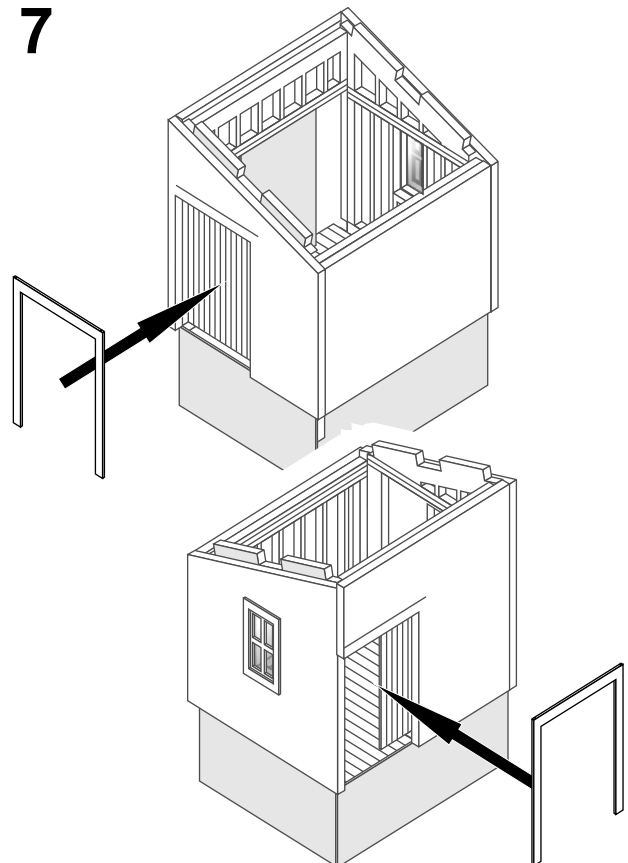
**Door frames:**

7) The doors frames will install like the window frame. You first need to remove any vertical boards under the scribed line as well as on the sides if they interfere with the frame sitting flush against the wall panels. Paint your frames and press them into place by removing the peel-and-stick from them. To help the frames blend with the structure, paint the inside openings of the doorways the same color you did the frames after they are installed. Putty any gaps first if needed.

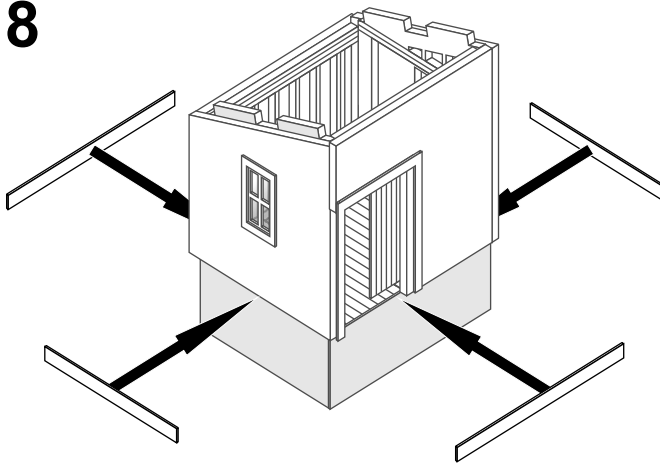
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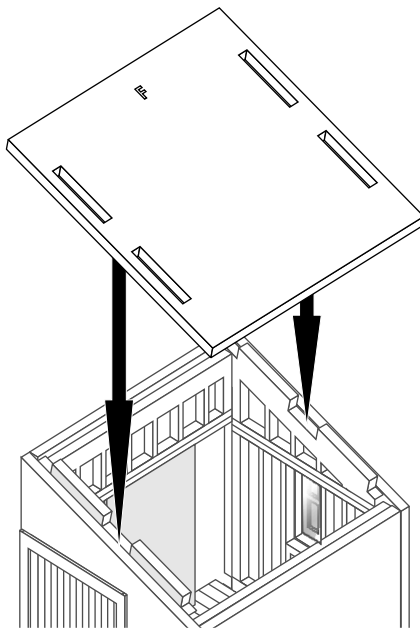
**Adding the lower trim boards:**

8) To add the lower trim boards, first remove them from the parts sheet. Lay them out on a piece of paper and paint them prior to installing them. Once dry, remove the peel-and-stick backing from the smaller side boards and press them onto the top of the foundation, just under the wall panels. These should fit flush with the sides of the foundation. Trim any excess off as needed. Once these are in place, you can apply the front and rear trim boards in the same manner. These two boards should overlap the end boards, giving you a clean corner. Again, trim any overhang as needed. Touch up any painting once installed.

**Adding the sub roof panel:**

9) Before you add your sub roof panel, first paint the edges and the underside of the panel where the panel will be seen when applied. This is the side that has the scribed lines on it. You can test fit this to see how much overhang you have. Once painted, glue the roof panel down onto the tabs on the walls. Make sure you put the painted side down. Make sure the panel is all the way down and sitting flush with the tops of the wall sections. Allow the panel to dry.

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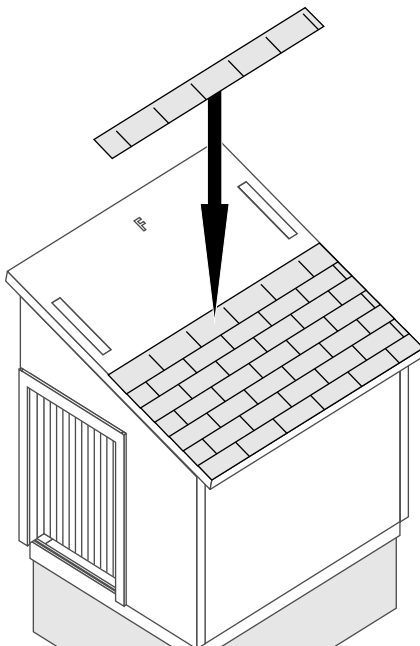


**Applying the shingles:**

10) The roof shingles come to you on a sheet. You may notice that the sheet may have some light brown staining on them. These are NOT wet spots. This is caused by the laser cutting method. Your shingles will need to be painted. You can do this by painting them while still on the sheet or after you have applied them to the structure.

To apply the shingles, cut and remove several strips of shingles from the sheet. Apply a small thin layer of white glue (or glue stick) to the back of each strip and apply it to the bottom edge of each roof panel. Work your way up each panel, staggering the rows a bit as you work upward. See illustration 10 for details.

10



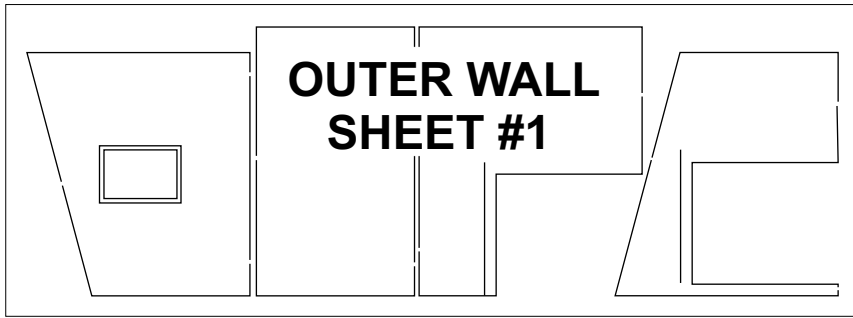
Your kit is now complete. We hope you have enjoyed this kit. If you have any questions or comments, please contact us at:

**[branchlinelaserart@gmail.com](mailto:branchlinelaserart@gmail.com)**

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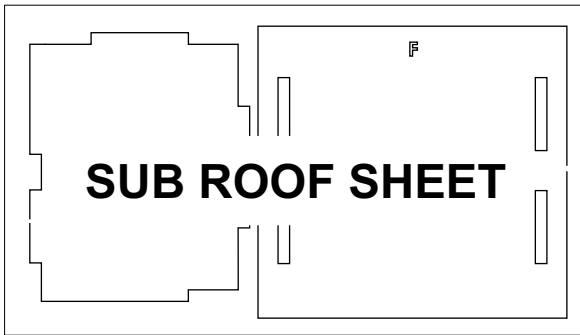
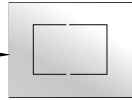
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**Structures**

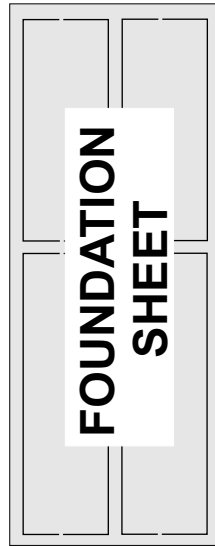


**OUTER WALL SHEET #1**

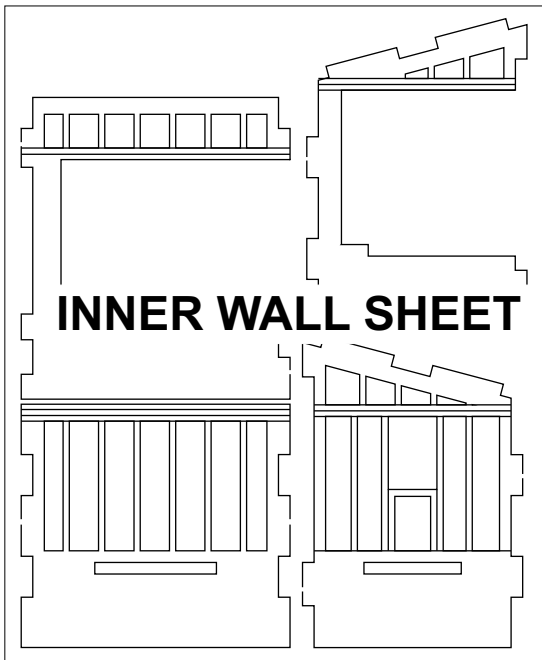
**GLAZING SHEET** →



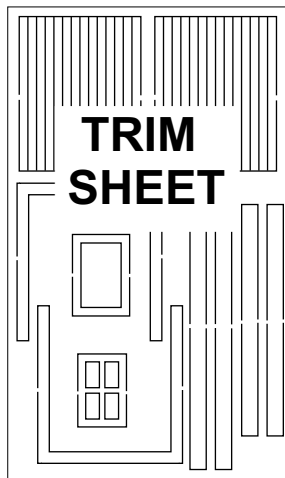
**SUB ROOF SHEET**



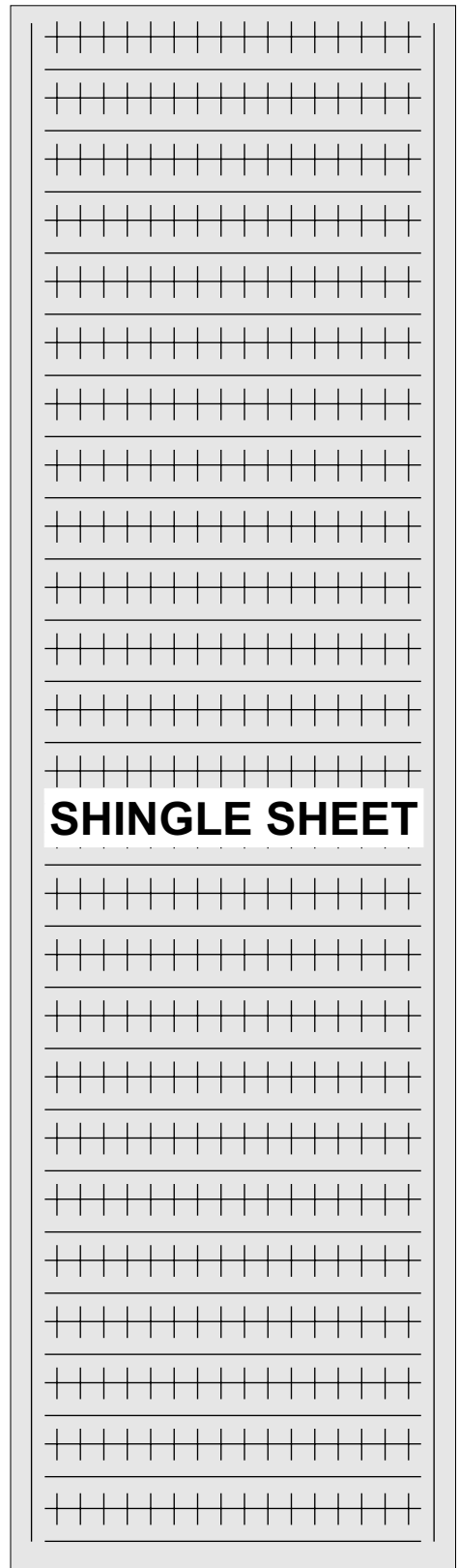
**FOUNDATION SHEET**



**INNER WALL SHEET**



**TRIM SHEET**



**SHINGLE SHEET**

We will be happy to replace damaged or missing parts.  
Please contact our customer service department at:

**(860) 512-0546**

Please be sure to reference the kit number, Kit scale, and these part descriptions when asking for replacement parts.

**LASER - ART**  
Structures

# P.R.R. Baggage Building #1

