

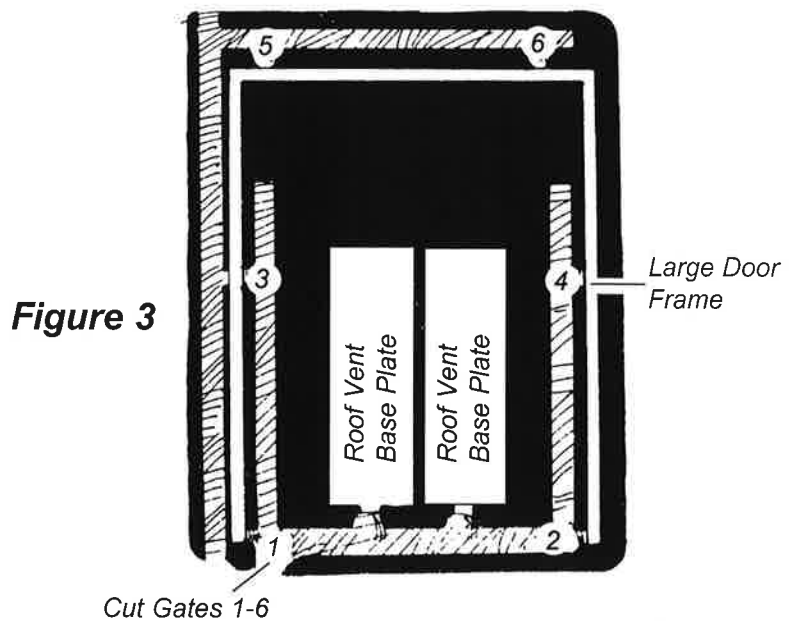
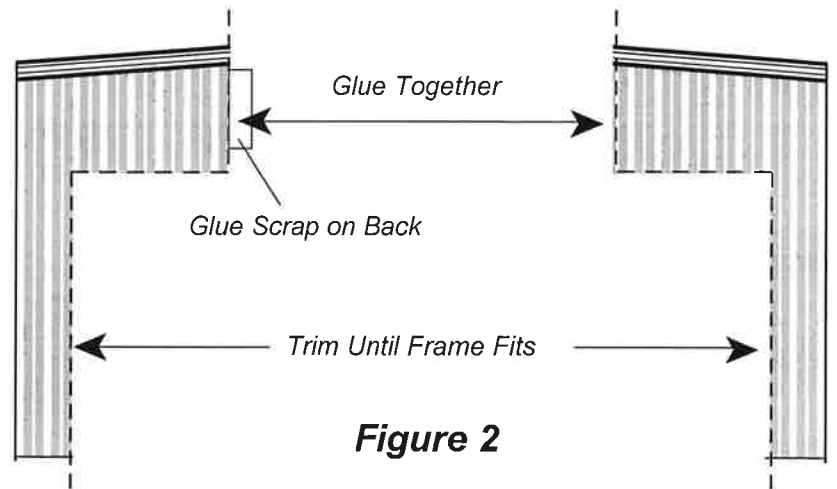
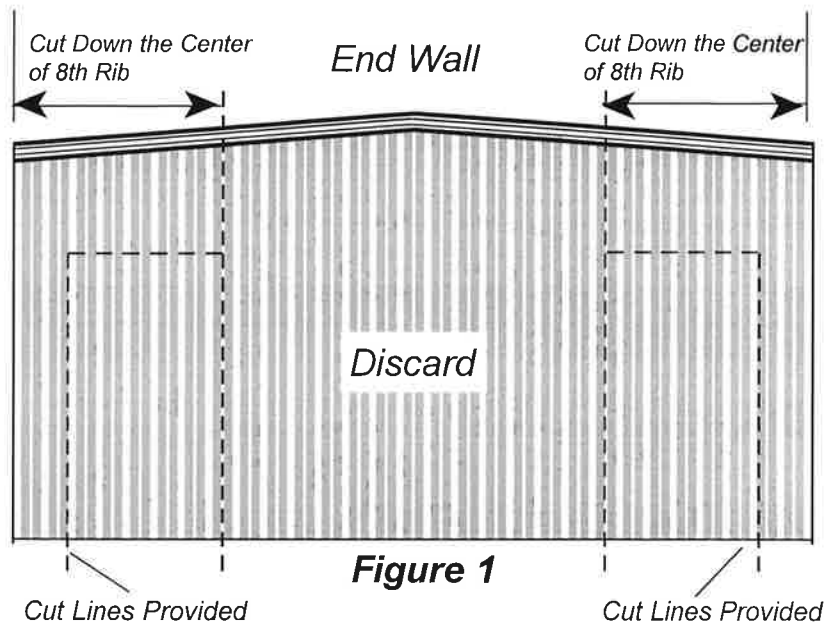
Pikestuff Atkinson Engine Facility Instructions. Stock No. 541-5007

The Atkinson Engine Facility was a structure build from existing pikestuff kits by Keith Kittinger. Keith models the L&N and also works at the Atkinson Engine Facility for the CSX railroad (formally the L&N).

Lets start with the engine shed portion of the structure. Looking at the figures to the right, cut the wall sections as shown. In most cases we will be using scale measurements so I hope you have a scale ruler. A regular household ruler is not fine enough for these measurements. We will also be using the vertical ribbing on the walls as reference points. The success of this kit depends on how straight and accurate your cuts are. When cutting use a new blade and hold the blade 90 degrees from the part your cutting. (don't let the blade lean left or right)

On the first end wall cut down the center of the eight rib and then cut out the large door opens (cut lines provided) as shown in figure 1. Discard the center piece and test fit the two ends together. (Figure 2) In this kit you will find a large door and door frame. (Figure 3) Also on this sprue is the roof vents and vent base plate's. Set these item aside until later. Remove the frame from the sprue at points 1 through 6, then test fit the door frame in the opening. You may need to trim out a bit more on each side until the frame fits.

Now glue the two wall section together. (Most any type plastic cement will work. I prefer a liquid cement.) A small piece of scrap plastic can be glue over the seam on the back side to help reinforce. Repeat on the other engine shed end wall. (If your not going to paint the structure glue in the large door frame.)



Engine shed: Cut out opening as shown in figure 4. (This opening is optional, if your modeling a colder area and feel the wall would be solid, then leave it solid.) Measure up 11-1/2 feet and over to the center of the 5th rib, remove and discard center piece. Figure 5 shows the piece that will serve as the upper back wall of the engine shed and the front wall of the office section. Cut the 13'-6" as shown. The office section will be cut later. You can now glue the four walls of the engine shed together. The rear wall of the engine shed will be way up off the ground to provide room for the office section below. Use the gutter trim as a way to line the four walls up. The roof will need to be cut down to fit the engine shed. (No figure) Cut 2 of the roof panels down to 10'-9". (You may want to measure for yourself just in case your engine shed came out a bit different than ours.) Glue the two pieces together. Reinforcing strips for the roof are provided. (figure 6) Once the glue sets up test fit the roof on the engine shed, you may need to shave a little off the length to make it fit easier between the end walls. The roof should have a little gap between the gutter and the roof. (Figure 7) Now glue the roof on and let dry.

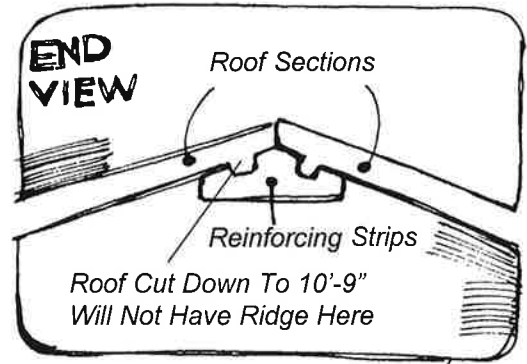


Figure 6

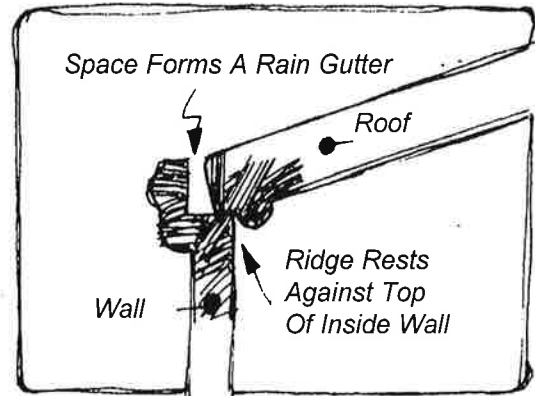


Figure 7

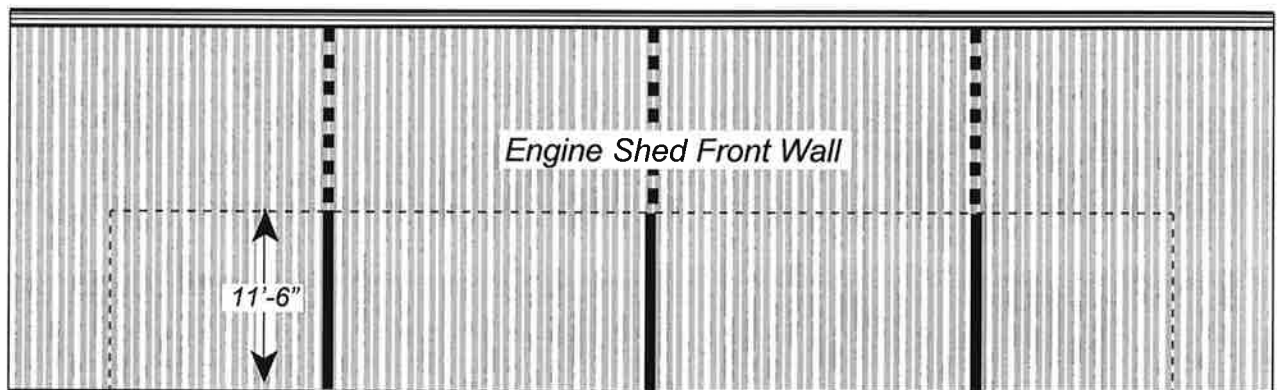


Figure 4

Cut Down the Center of 5th Rib

Support Post (square post) Glued On The Back Side Located At The 15, 30 And 45th Rib.

Cut Down the Center of 5th Rib

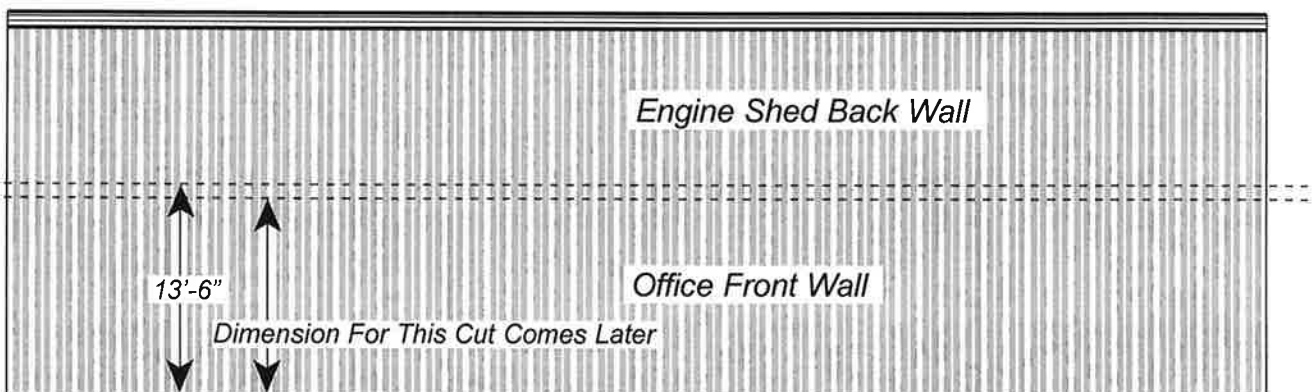


Figure 5

Office rear wall:

Cut the rear office wall as shown below. (Figure 8) **Notice:** If you plan to have door and window opening on the rear wall then we're going to show you a (Keith Kittinger) trick so that you'll still have all the door and window cut line to use. Take your hobby knife and place it directly below the gutter. (Figure 9) Make sure it's tight up against the bottom of the gutter, and that the blade is 90 degrees from the wall surface. Lightly cut along the bottom of the gutter all the across the wall. Repeat applying more force each time, until you cut all the way through the plastic. What you will have, is a gutter section free from the wall.

Now cut the wall 10'-9" up from the bottom. (Figure 10) Once you've cut the wall down to 10'-9" set the gutter section on top of your 10'-9" wall and if in needs filling or sanding do it now and once you have a good fit, (**Stop, jump ahead and cut window openings first**) glue the gutter section on. (gutter section should be flush

with the wall on the backside and an over hang on the front side) You've now made a new wall 10'-9" with door and window cut lines with gutter. Cool! Now that you know how to do this, the kit bashing possibilities are unlimited on what else can be done.

But if you do not need door and window openings on the back wall cut the wall 10'-9" measuring from the bottom of the gutter, and discard the lower piece with door and window opening.

Now your ready to cut the door and window openings in the front and rear office walls. Cut window and door openings out by holding the hobby knife blade against the outside edge of the cut lines. (Figure 10)

Start with light pressure and add more pressure on each stroke. After cutting, test fit the doors and windows in the openings. You may need to file (emery board) the corners out if the windows fit to tight. (install them now if your not going to paint the building)

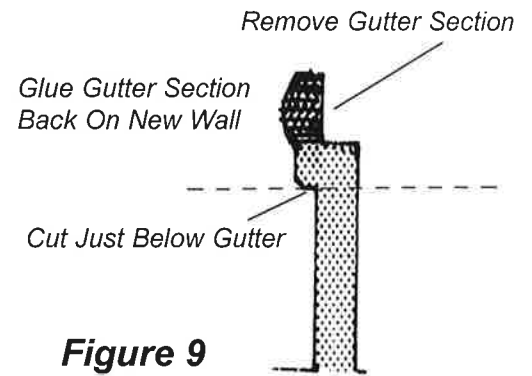


Figure 9

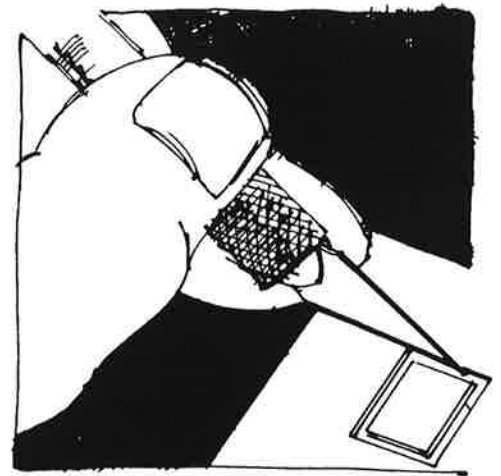


Figure 10

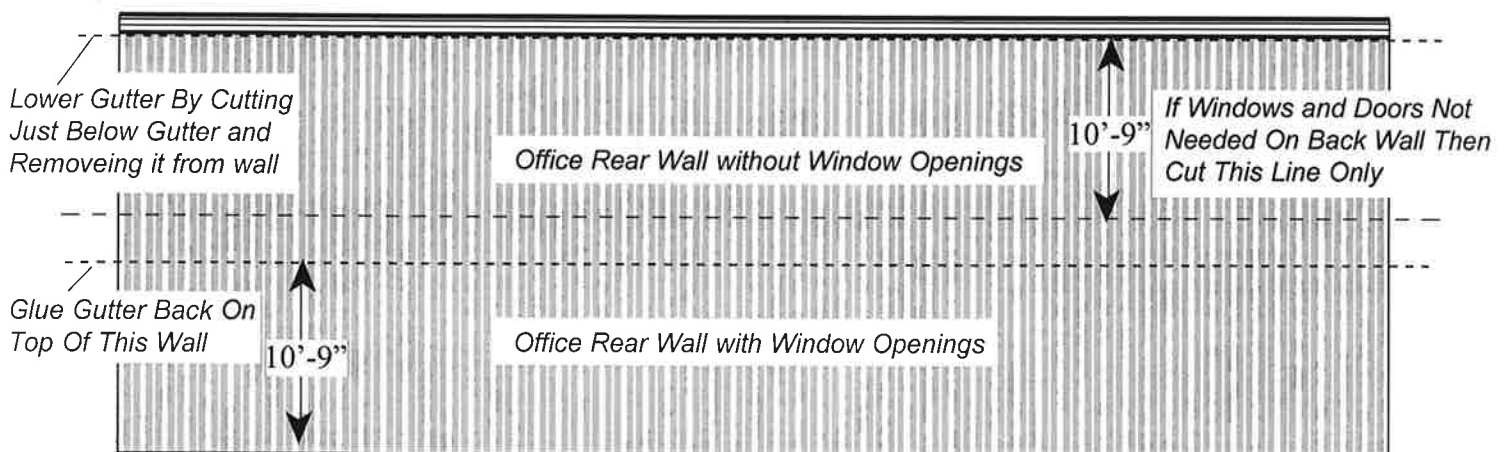


Figure 8

Office Side Walls: Cut down the center of the 5th rib as shown in figure 11. Do both side walls as shown. **Notice:** Since your measurements may have varied from ours, I'm not going to give you a dimension on cutting the height of the side wall. Set the right side wall up against the right side of the rear wall (as if you were going to glue them together) so that the top of the gutters are lined up. Now mark the bottom of the rear wall where it ends against the side wall, then cut off the remainder of the side wall. Now do the same to the left side wall. The front office wall will need 3 scale inches trimmed off of each end so that the length of the wall is 79'-3". To find the height of the front wall, take the front wall and stand it on a flat surface, take one of the side walls and stand in on the flat surface back to back with the front wall. (figure 12) Mark the front wall where the side walls (tall end) roof will set (roof seat). Now cut the front wall to that height. Now glue the rear office wall to the two side walls and glue the front office wall on to the two side walls so that it slides inside the side walls. The side walls should come up flush with the front of the front wall. (figure 13) The roof is next, this roof will be used full size, (no cutting) again like the engine shed, you may need to trim a bit off the edge of the roof so that it will fit down between the side walls. Also, you will need to notch two of the corners of the roof out so that it will allow the office to fit tight up against the engine shed. (Figure 13) All that is left is to add the small details to the building. The engine shed open side needs support post. Glue three square post as shown in figure 4, to the back side of the open wall. Cut the post so that they just touch the ground. The engine shed should have 4 vents installed on the roof. Glue the vent base (Figure 3) to the vent, and space evenly across the roof. Next you will find some white down spouts, cut and glue down spout in each corner of the building. All you have to do now is glue the engine shed to the office section. To provide a better glue joint take some of the square post and glue in the corners where the engine shed meets the office. (Figure 13) Now install on your layout.

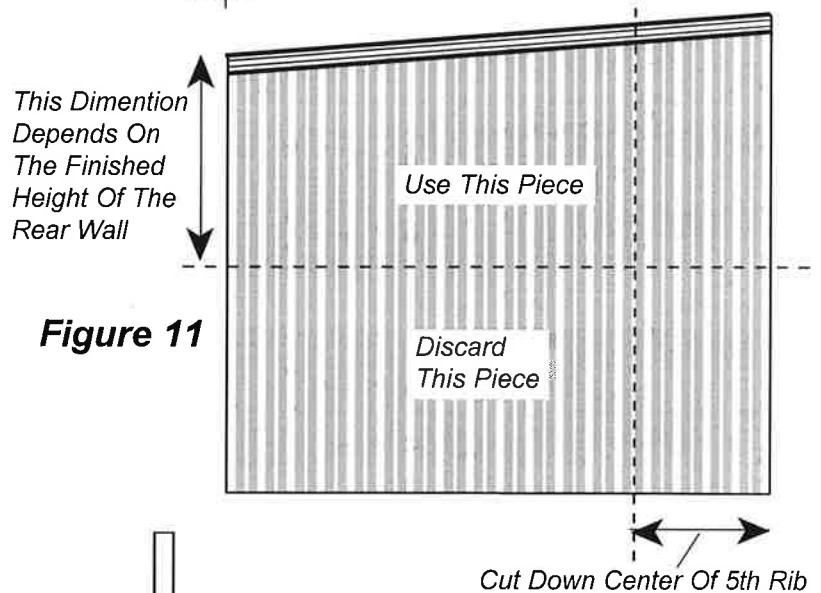
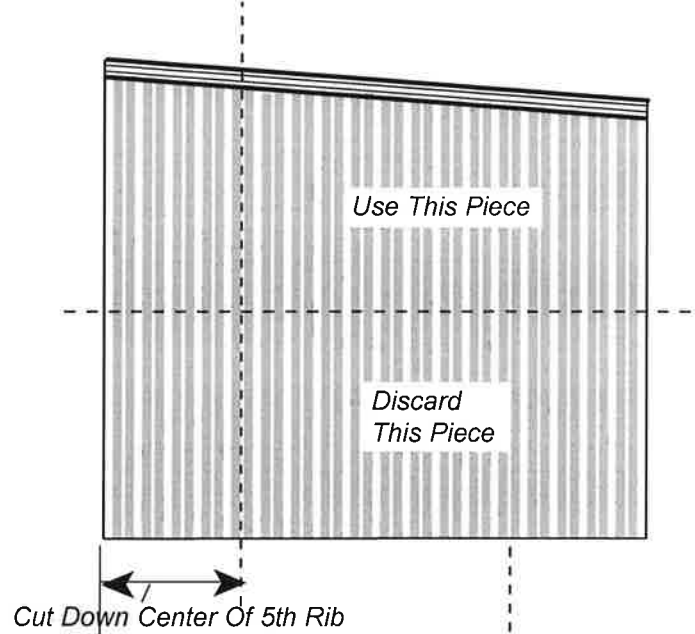


Figure 11

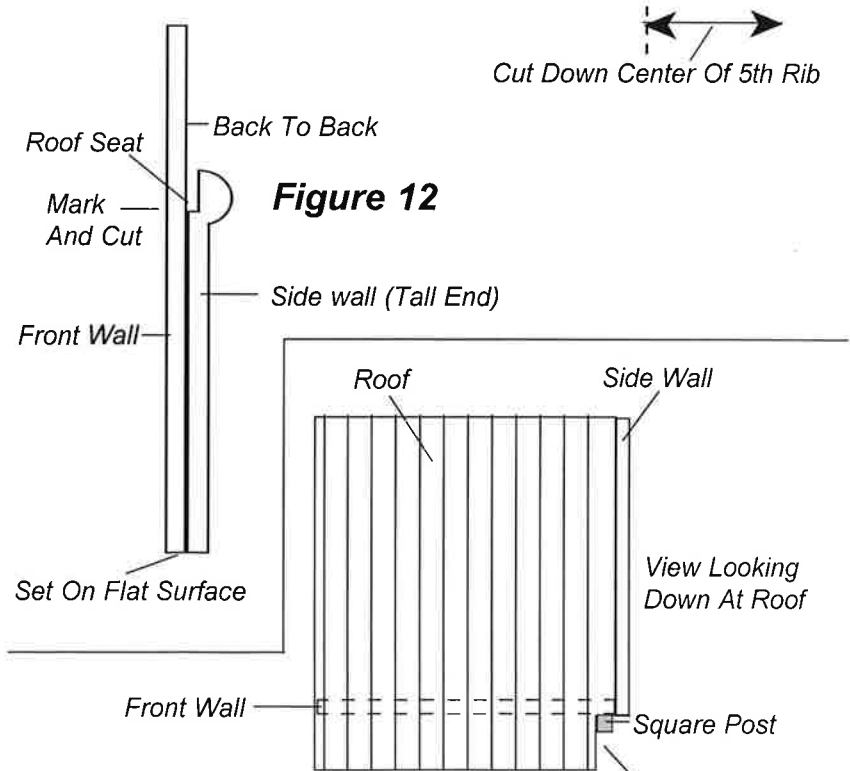


Figure 12

Figure 13