A man with a mustache, wearing a white t-shirt and a black baseball cap, stands with his arms crossed in front of a large, detailed model railroad layout. The layout features a town with various buildings, a gas station, a car wash, and a helicopter on a landing pad. In the background, a large mural depicts a mountain range and a blue sky with clouds. A technical diagram of a railroad track layout is visible on the wall behind the man.

**My name is Bob
and I am a Model
Railroader.**

**I'm also a 3D
Model Designer**



The purpose of this presentation is to show you how to build an HO Scale Wood Rail Livestock Fence. I will acquaint you with my fencing products which provides quite a few fencing options. These options include a variety of fence sections and parts to build your own fences. We will organize and order the fence parts we need and collect some basic support materials.

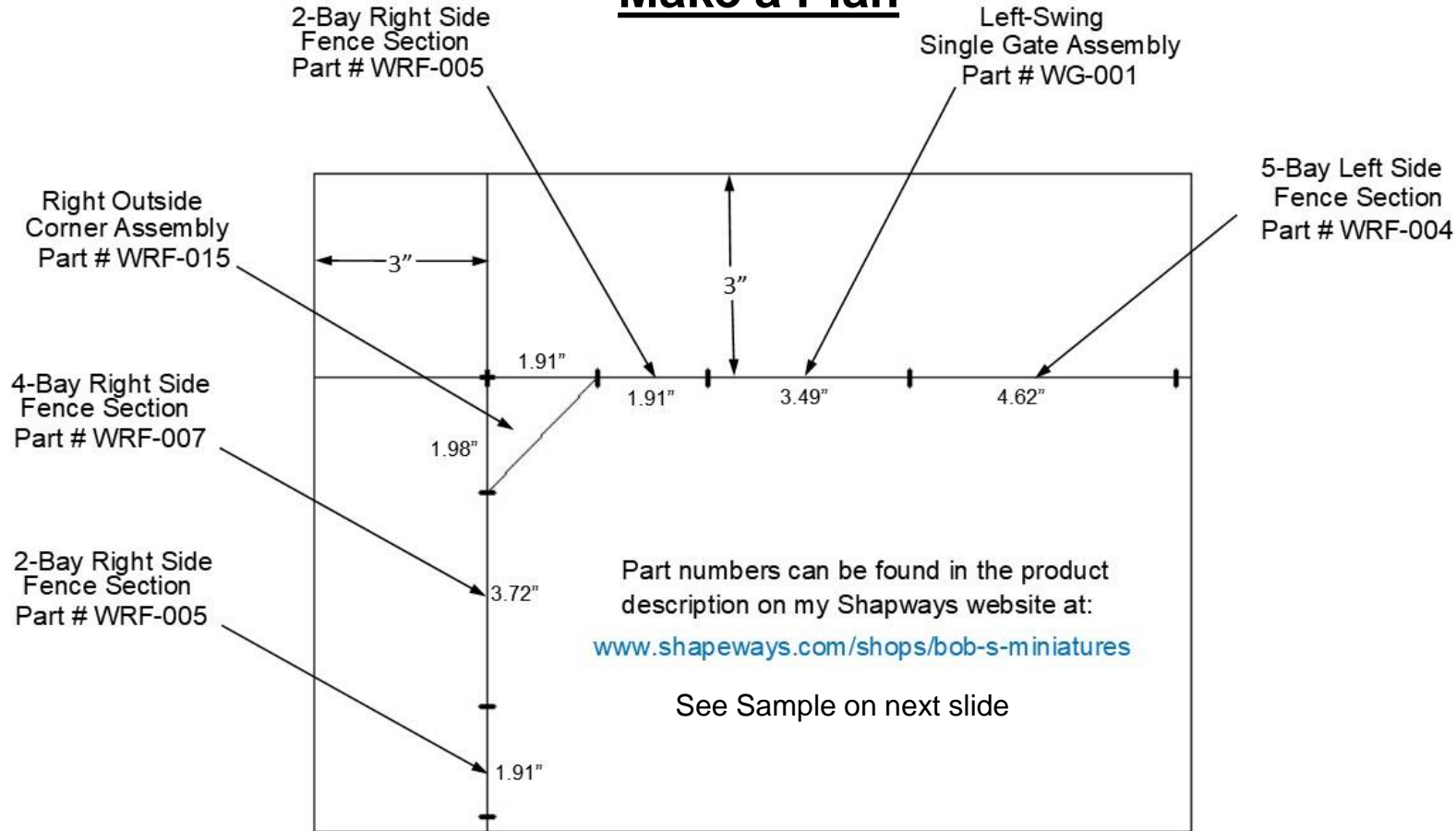


The following instructions are geared for the beginner or the layman with new bench work. You seasoned model railroaders have built, torn down layouts, built again and already pretty much know what you are doing. But tag along anyway, you may glean something.

Don't worry if the video gets a little too fast for taking notes. It will be available on my information website as an Adobe .pdf file that you can down-load and print.

<https://bobsminiatures.com/>

Make a Plan



- Sketch out your fence perimeter on a piece of paper. It doesn't have to be neat, however it needs to contain all of the pertinent information. (Mine is neat since I want it to look spiffy for this presentation.)
- Review my products page on my information website at:
www.bobsminiatures.com
- Make a list of fence parts that you will need to go around your perimeter and record the lengths of each piece.
- Pre-order the parts you need from my Shapeways website. It takes at least a week to receive your order.



DIGITAL PREVIEW
Not a Photo

Part # WRF-005



Wood Rail Livestock Fence - 2R (HO)

Made by
[Bob's Miniatures](#)

\$2.92

Ships in 4 days

3D printed in white nylon plastic with a matte finish and slight grainy feel.



All orders are backed by our
Money Back Guarantee.

Sample Web Page on my Shapeways Shop

PRODUCT DESCRIPTION

1-Wood Rail Fence Section with 2-Right Side Bays; HO (187) Scale; approx. 1.91"L x 0.10"W x 0.96"H; arrives unpainted with a white, strong and flexible plastic finish only. The mounting stud on one of the posts can be removed with an Exacto knife if not needed. Paint the section a color of your choice with a plastic bonding paint. I suggest brown or white Rust-oleum 2X Ultra Cover spray paint.

DETAILS

What's in the box:

Wood Rail Livestock
Fence (2R)



Dimensions:

4.85 x 2.44 x 0.25 cm
[Switch to inches](#)

Suggested parts for this project



Wood Rail Livestock Fence
2-Bay Right Side Section (2 ea.)
Part # WRF-005



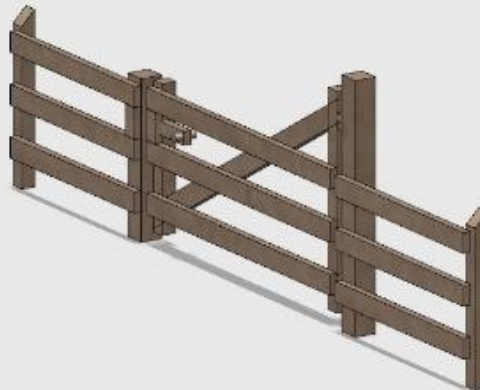
Wood Rail Livestock Fence
4-Bay Right Side Section
Part # WRF-007



Wood Rail Livestock Fence
5-Bay Left Side Section
Part # WRF-004



Wood Rail Livestock Fence
Right Outside Corner
Part # WRF-015



Wooden Swing Gate
5-Bay Left Side Section
Part # WG-001

Found at:

bobsminiatures.com

or

Shapeways.com/shops/bob-s-miniatures

Suggested materials for this project



White Glue
(Most Hardware Stores)



1/2" x 12" x 12" Pieces of
Foam Insulation
(Builders Supply)



Rust-oleum 2x
Brown
(Most Hardware Stores)



Model Glue
(with a fine tip applicator)



1" wide Blue Painter's Tape
(Most Hardware Stores)



Exacto Knife

At this time you should pretty much have received all of your fence parts and have your support material at hand.

So, let's get to work and build a fence.

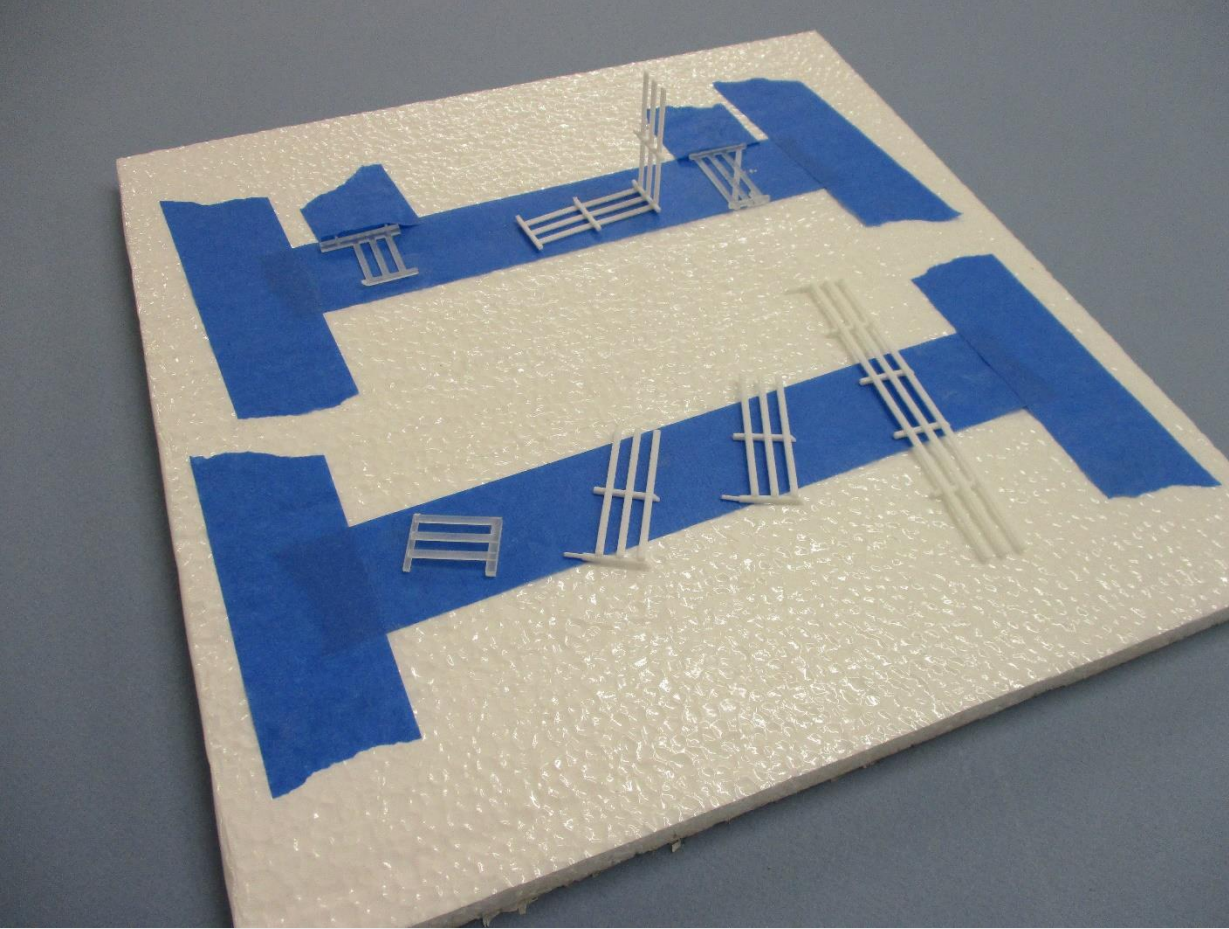
First, prepare a painting board to paint your fence parts as shown on the next slide . . .

Paint Board

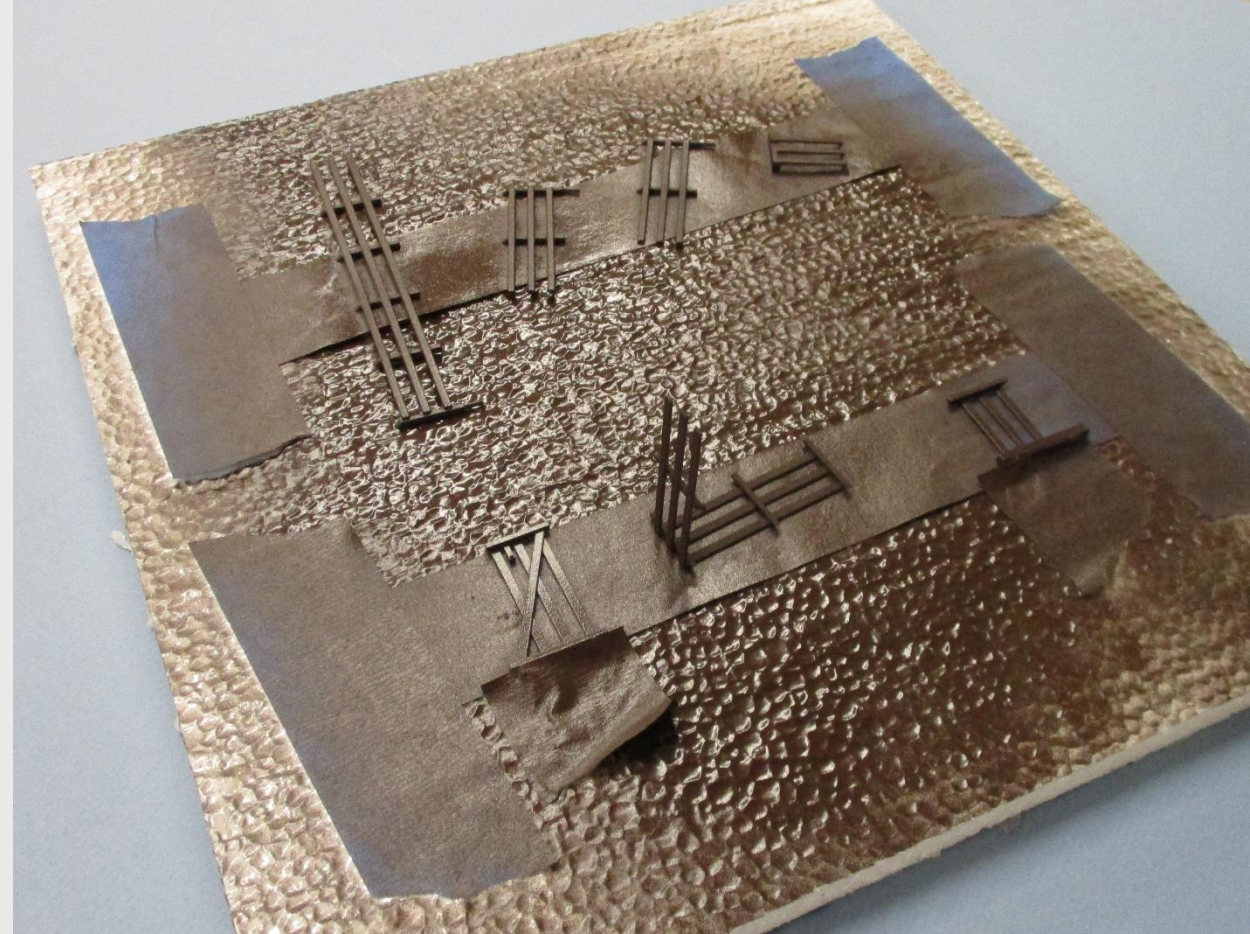


This is my way of painting fence posts and corners:

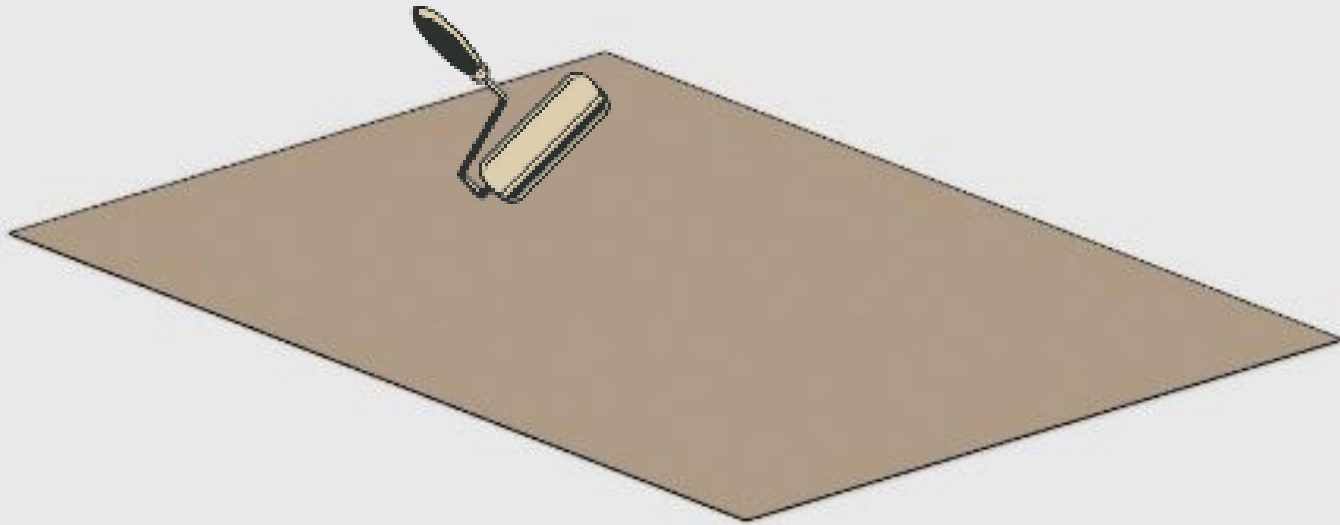
- Cut out a couple pieces of $\frac{1}{2}$ " foam insulation about 12" wide x 12" long to use as a part holder while painting your fence. Lay one of the pieces flat on your work bench.
- Only prepare the number of strips that you need as they become unusable after painting. In this example, I'll prepare 3 of the tack strips. Tear off about 6 pieces of 1" wide blue painter's tape that are about 3" long and tack them to the edge of your work bench.
- Tear off a piece of blue tape about 7-8" long and place it along the middle of the piece of insulation with the sticky side up. Using one of the short pieces of tape, tape one end down onto the insulation. Stretch the long tape across the center and tape the other end down with another short piece of tape. Tear off two more pieces of blue tape about 7-8" long and repeat the process, placing them parallel to the first piece and somewhere between it and the edge of the insulation.
- Now you have a sticky surface to hold your work while you spray paint.



Press each fence sections onto the tape,
Step outside and give each section a
coat of brown or white plastic bonding
paint.

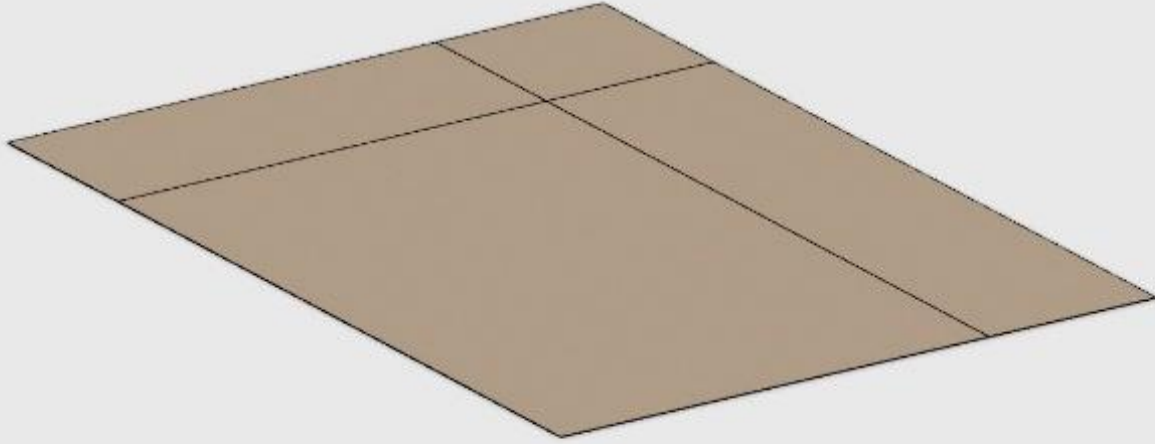


Avoid getting paint onto the hinge pins or
the hinge holes as the tolerance is within
Thousandths of an inch and the parts
may not fit properly. You can touchup
missed spots later with a small brush.

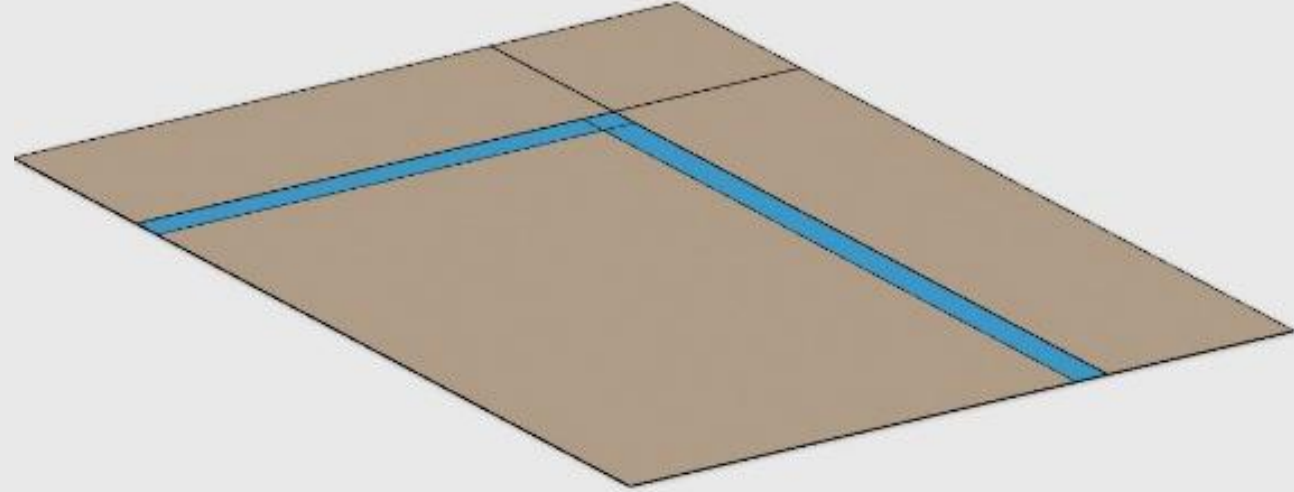


- I don't need another wood rail livestock fence at this time, so I have prepared a scrap of hard board for a presentation diorama. I'm not much of a photographer, so I digitized most of the detail views.
- I painted my board tan for contrast.

Prepare Your Layout for Fencing

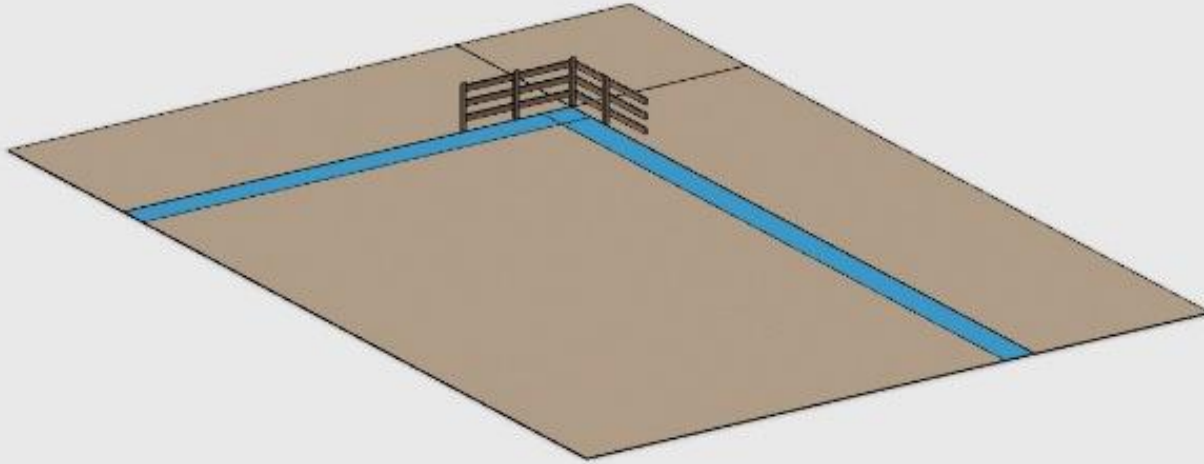


- Begin by drawing the perimeter of your fence onto your layout with a pencil. Here we have one of the corners. Make the 2-lines perpendicular.

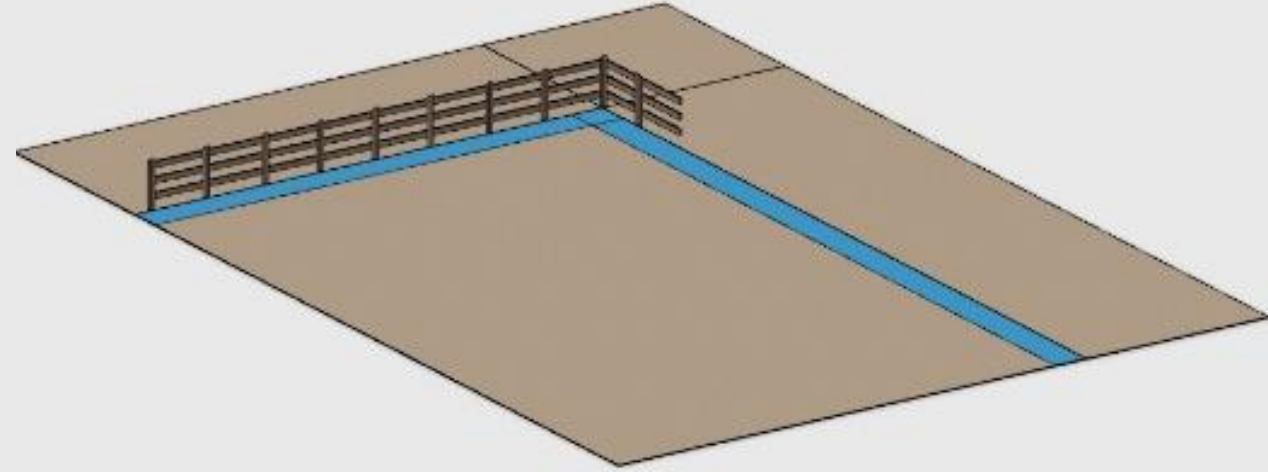


- Apply a 1/2" wide strip of blue painter's tape along the inside edge of each line. Be sure the corner is square and flush with the lines. This will provide a "bump-up-against" edge for the bases of your fence posts to keep them accurately aligned.

Installing Your Fence Parts

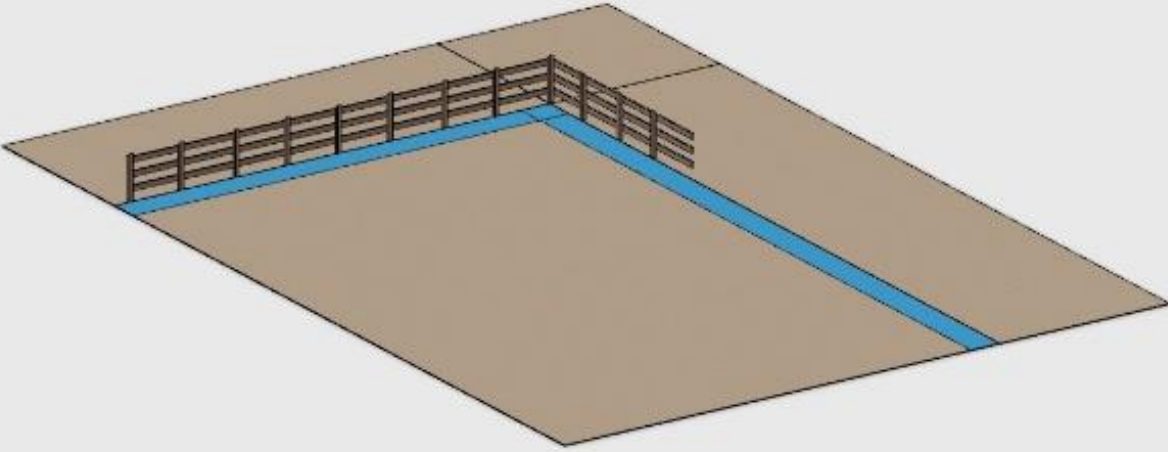


- Use a white glue to install the corner post assembly along outside edge of the tape/line. Doesn't need much glue. I use either Elmer's or Woodland Scenics Scenic Glue.

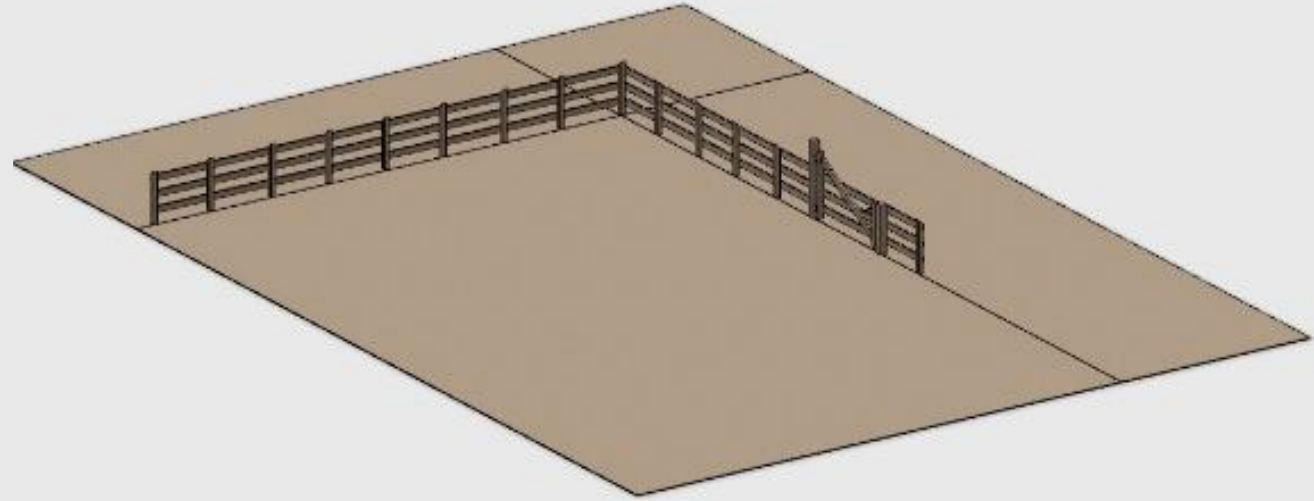


- Use a white glue to install one of the fence lines. In this case, I chose the line without the gate.

Installing a Wooden Gate

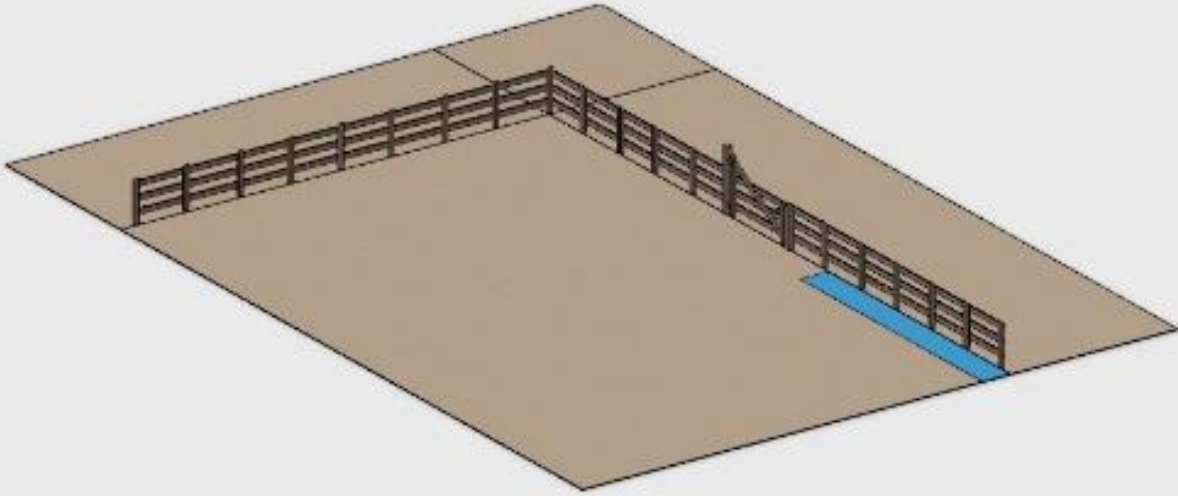


- If desired, install a wooden gate. I use small blocks of wood on both sides of the fence to hold the sections vertical while the glue dries.



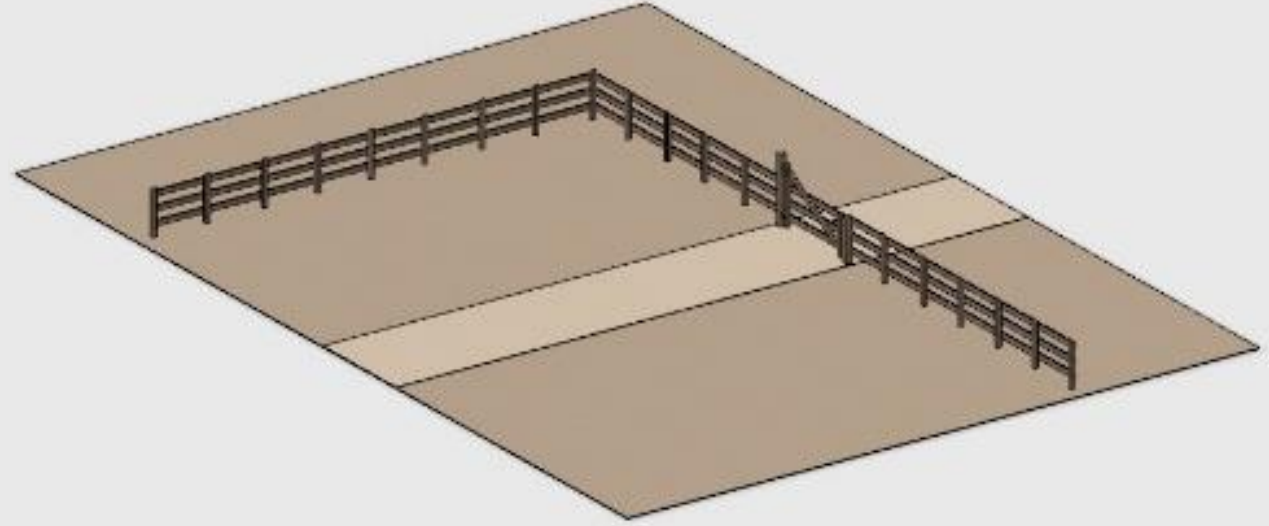
- Remove all of the blue tape the main posts of the gate are wider than the fence posts and the tape will hinder the gate's installation. Then install the gate using white glue.

Complete fencing



- Continue adding more tape and fencing until your perimeter is complete.
- Fudging off the line is permissible along as it is done uniform and straight.
- Cutting the fence is not recommended, but can be done as long as it's done squarely and carefully. Use a sharp blade. I recommend using a radial arm saw with a carbide tipped blade if you have access to one.

Add a Road

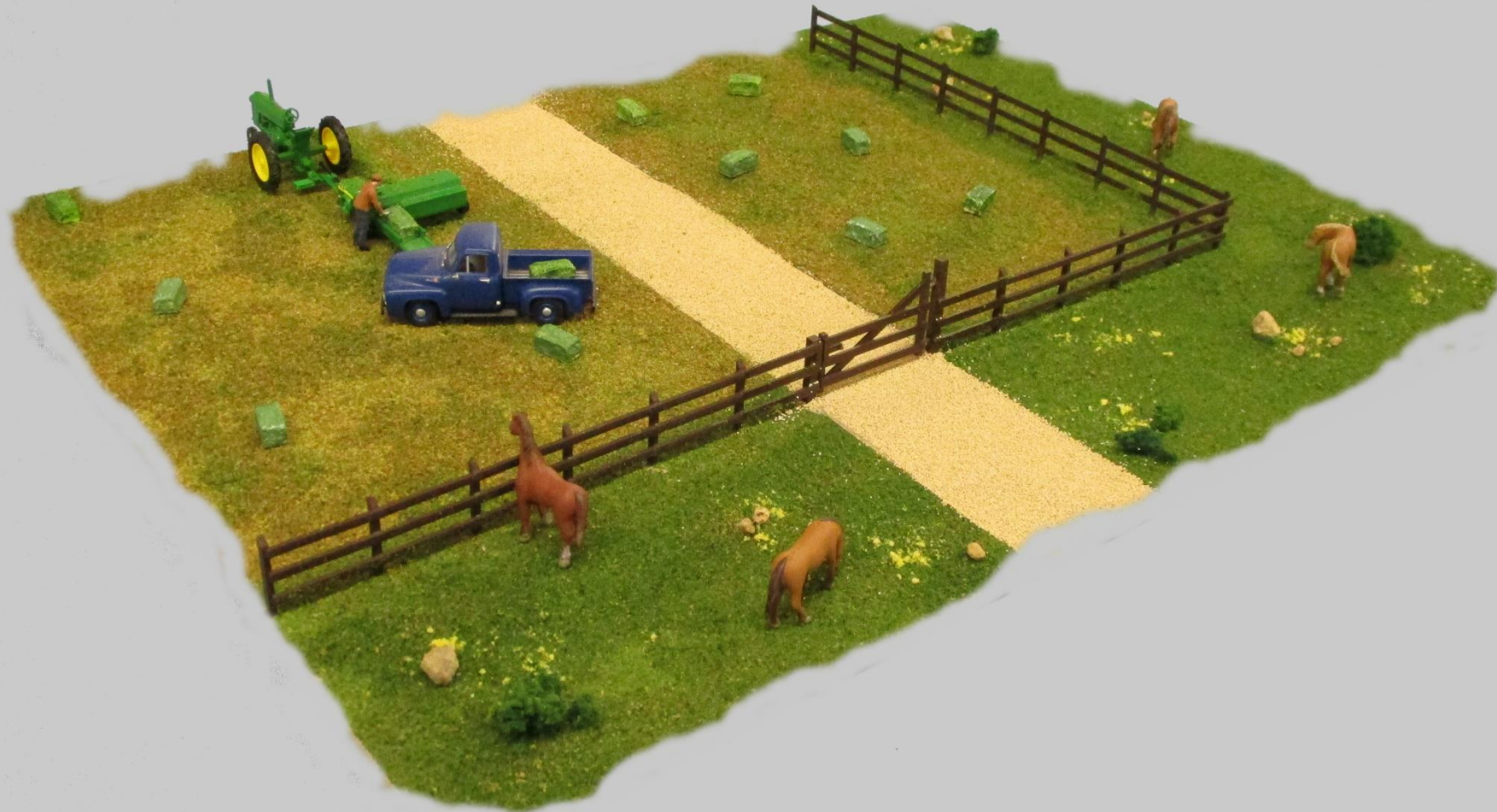


- Pencil-in a road through your gate.

Add Some Turf & Accessories



Add Some Turf & Accessories



Please Visit My Shop at:

<https://www.bobsminiatures.com>

OR

<https://www.shapeways.com/shops/bob-s-miniatures>

