

B uilding your L aysout



In a hostile
environment

Considerations for
building your lay-
out in a less than ideal
space

What
we
dream of
having,



What we usually
end
up with.





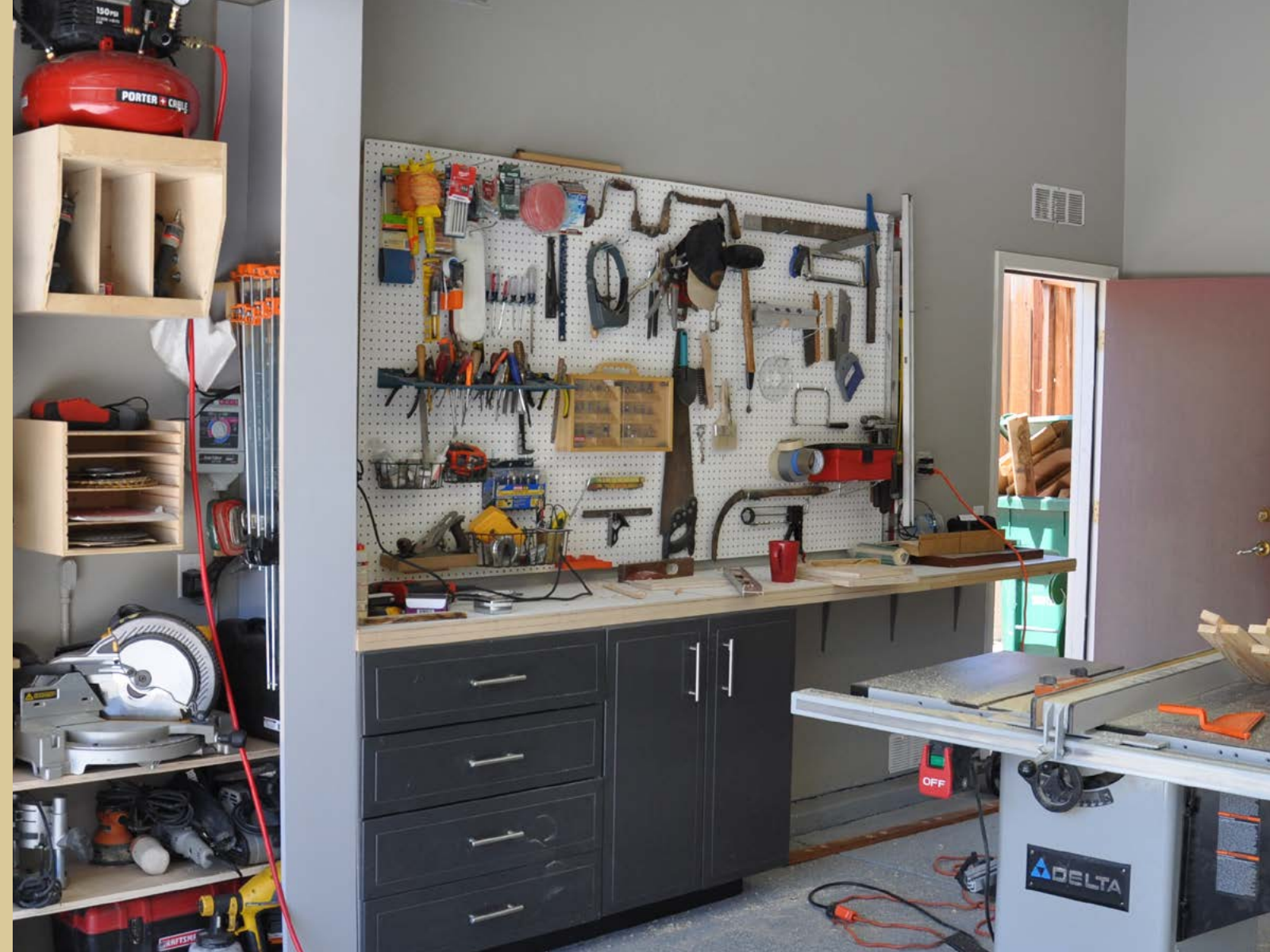
The only space available at my home for the layout was my garage.



I took time to build storage above the garage door and paint the walls a light gray.



No matter where your layout is, take the time and effort to prepare the space, including painting the floor.



Wood working is a passion. The table saw, router, and sander are not friendly to the layout,



And the projects take up space in the garage

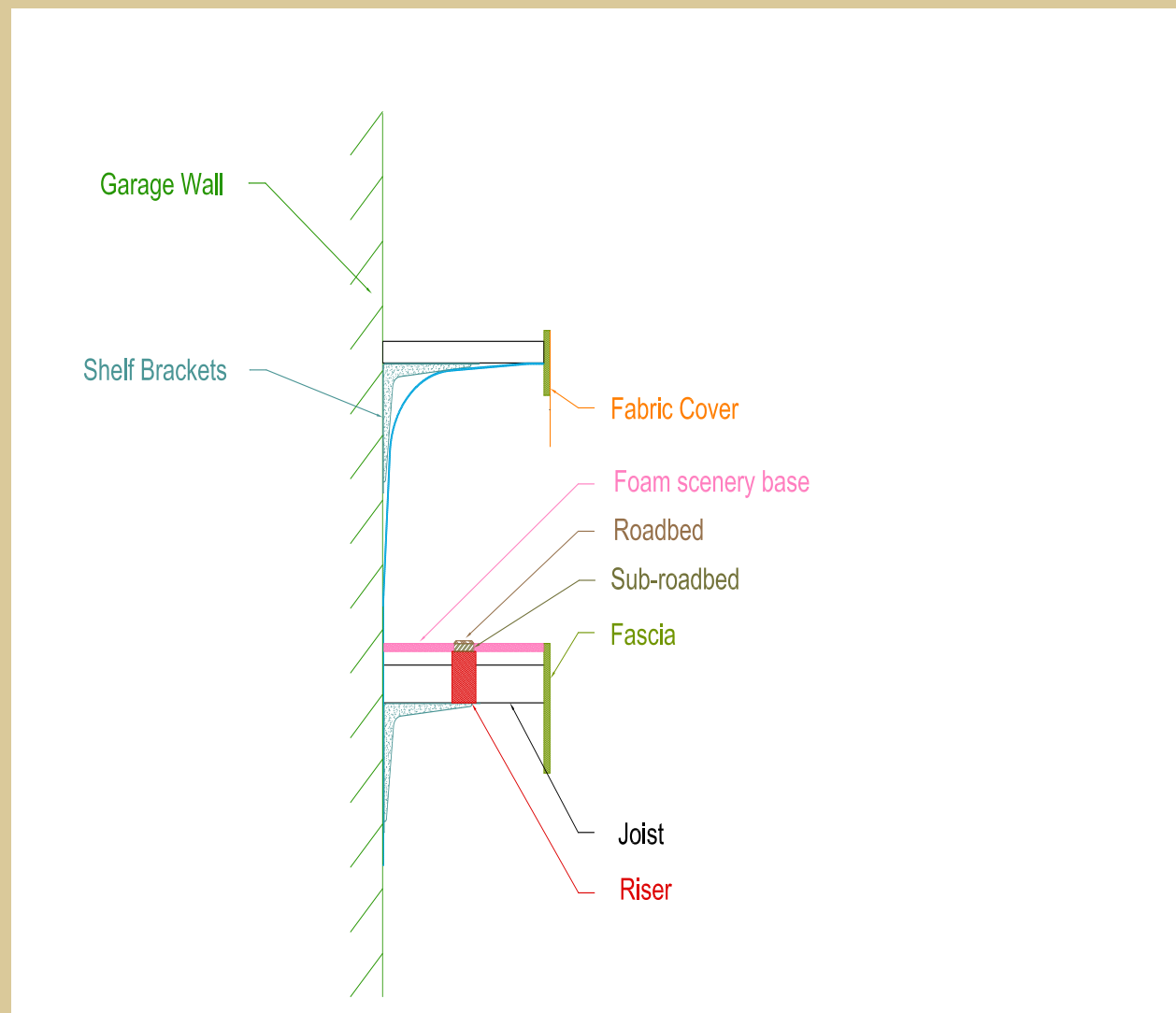


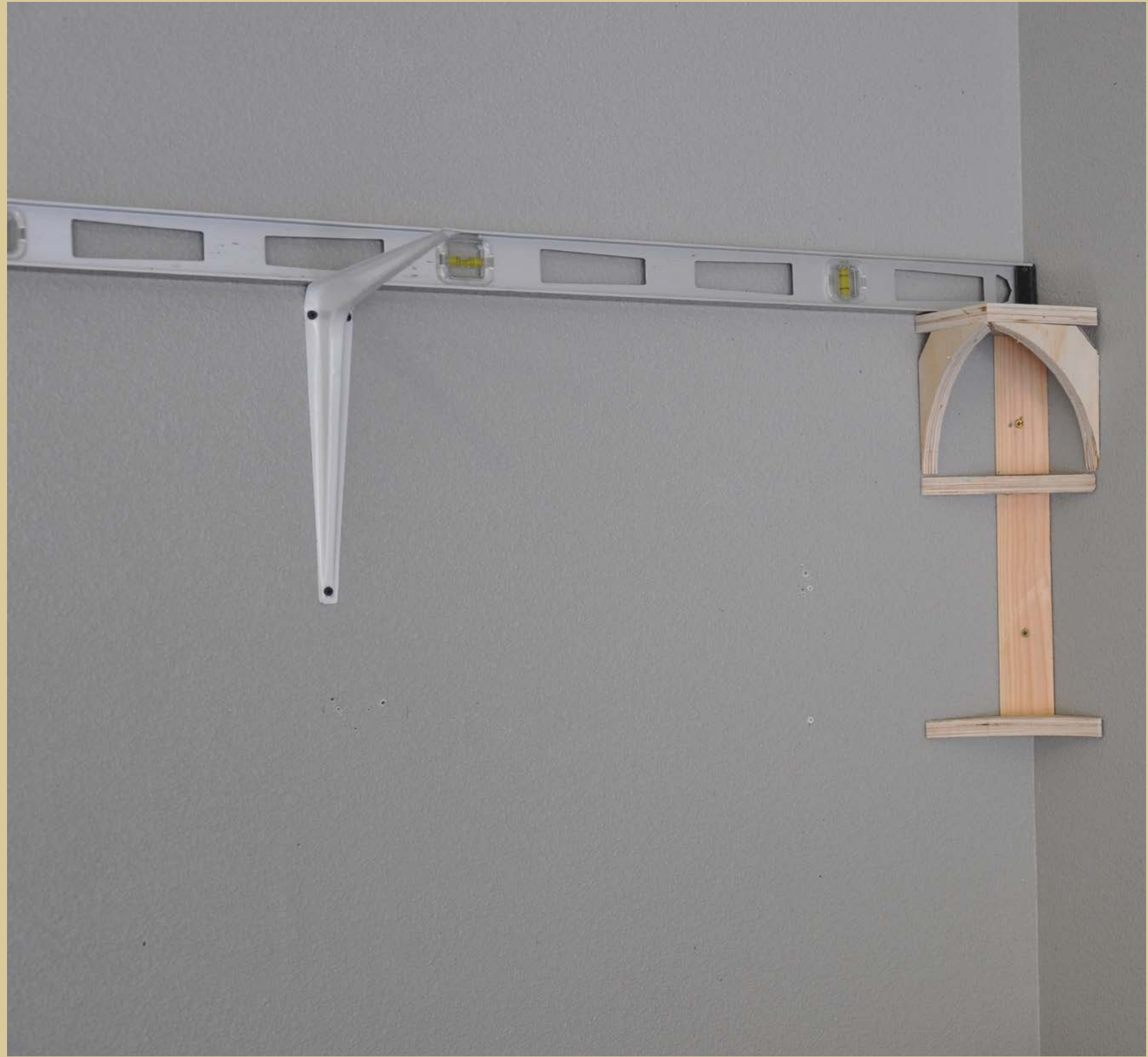
With the wood working half of the garage finished I can begin working on the layout.

Design considerations

1. Temperature can range from 10° to over 100° .
2. Wood working creates lots of sawdust and other dirt.
3. Family car must be able to be parked in the garage.
4. Must have clear space underneath the layout for storage.

To control the dust on the layout a shadow box design was chosen.





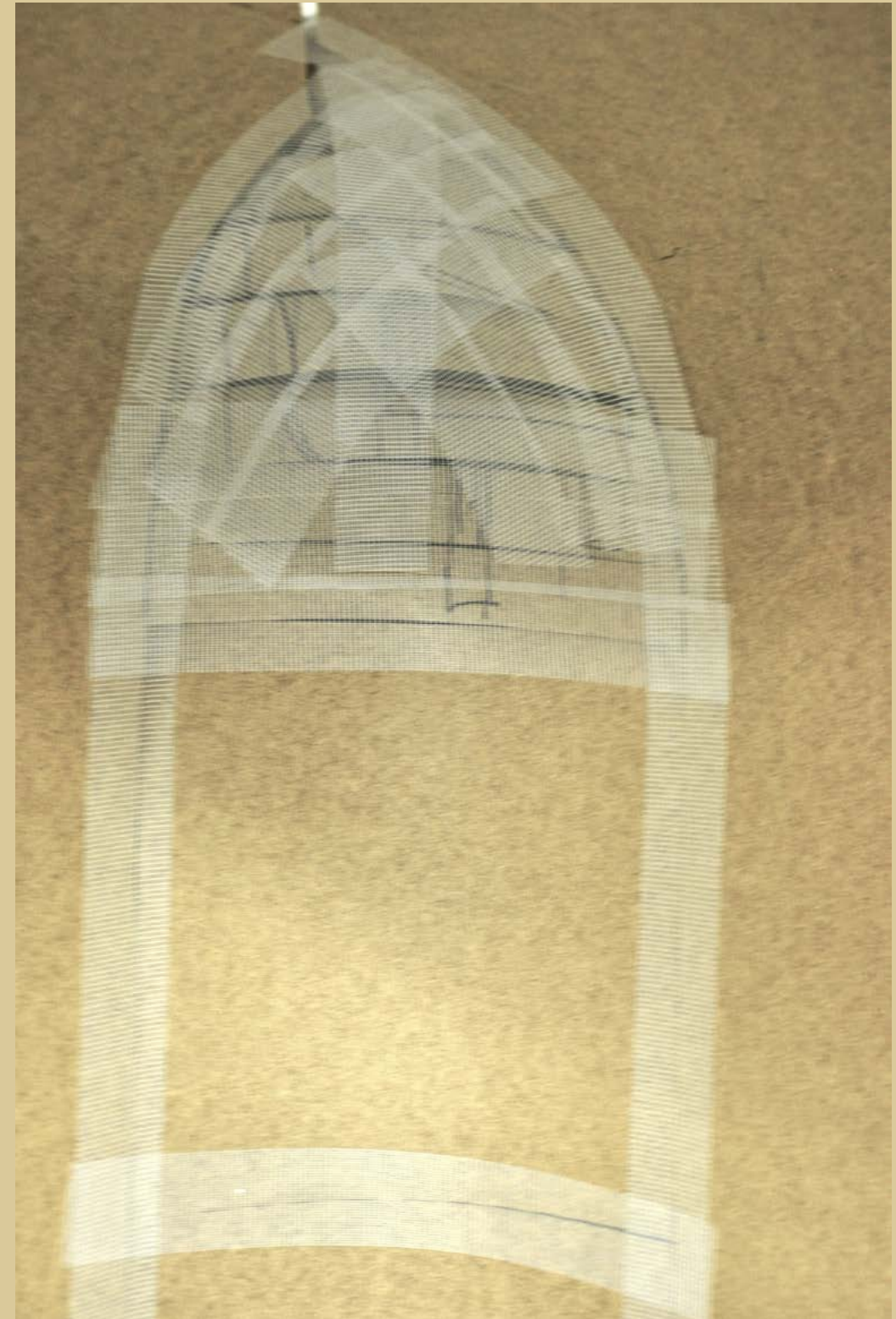


Shelf bracket with 2" x 2" to create the top of the shadow box.



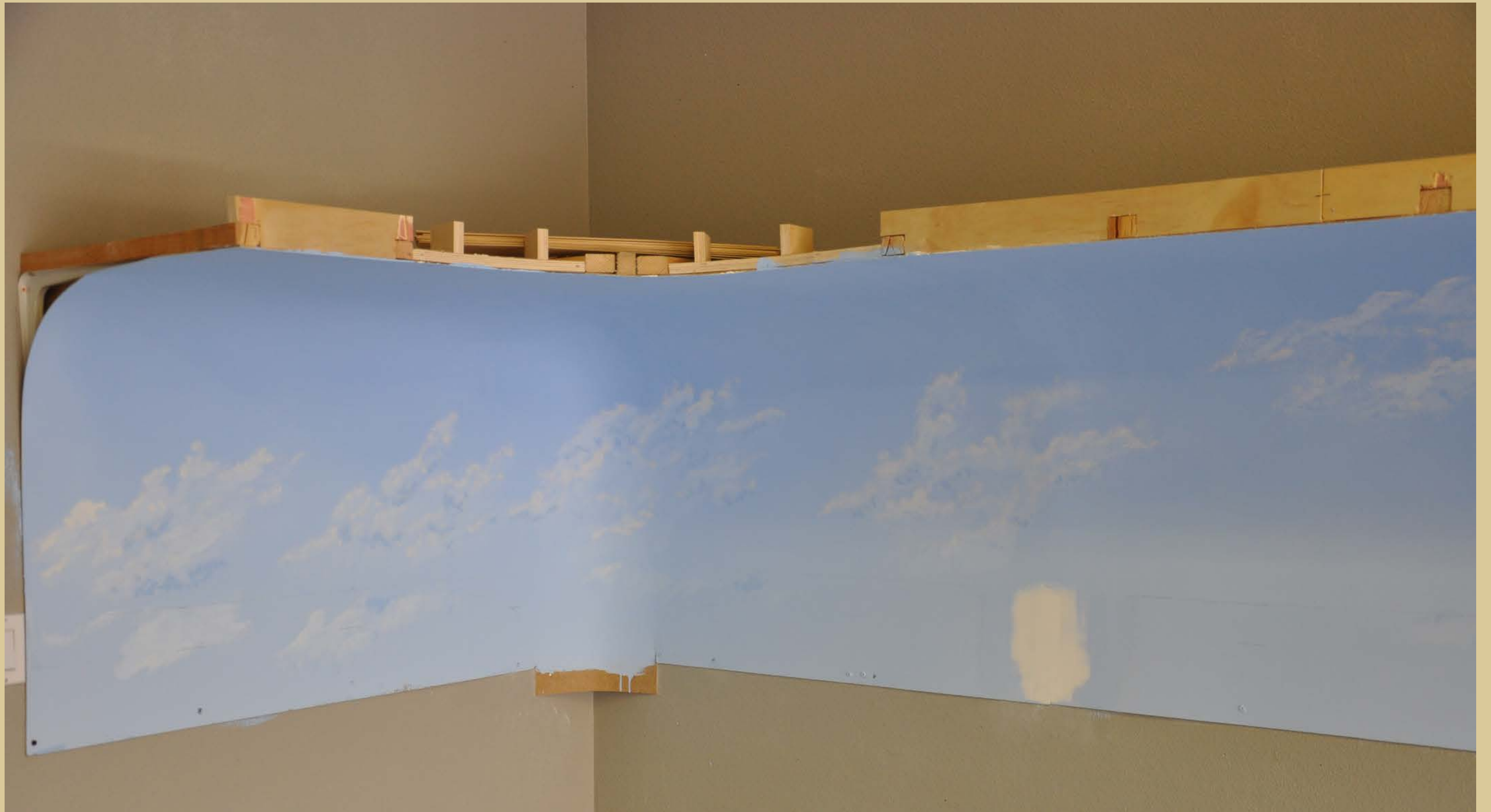
Masonite was used for the back drop, a better choice would have been 1/4" drywall.

The corner was filled in with small pieces of Masonite, taped, and filled in with all purpose mud.



Two joints had the tape come loose and the joint crack. The joint was re-taped and new all purpose mud applied, and then re-painted.





With the valance completed it is time to begin construction of the layout proper.

The same construction methods were used for the layout as the valance.

I purchased 23/32" 7 ply plywood at my local Home Depot store.





Plywood sub road-bed was cut. Because of the numerous switches, I chose to use biscuits to join the wood together.

The use of biscuits only to join the plywood ended up not being the best choice, I had so warping due to temperate change.







I cut homosote roadbed on my table saw and then paint it prior to any trackwork.



Foam board was used for the scenery sub-base. Spackling compound was used between pieces of foam.



The repair

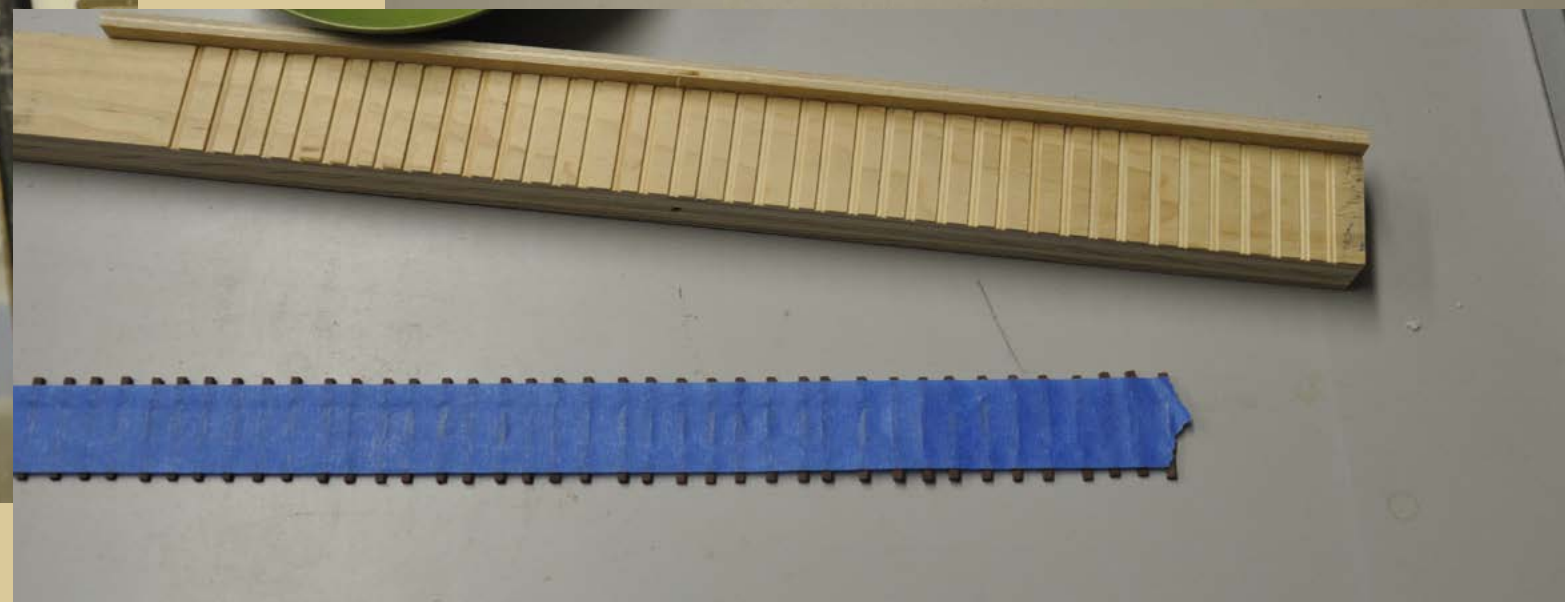
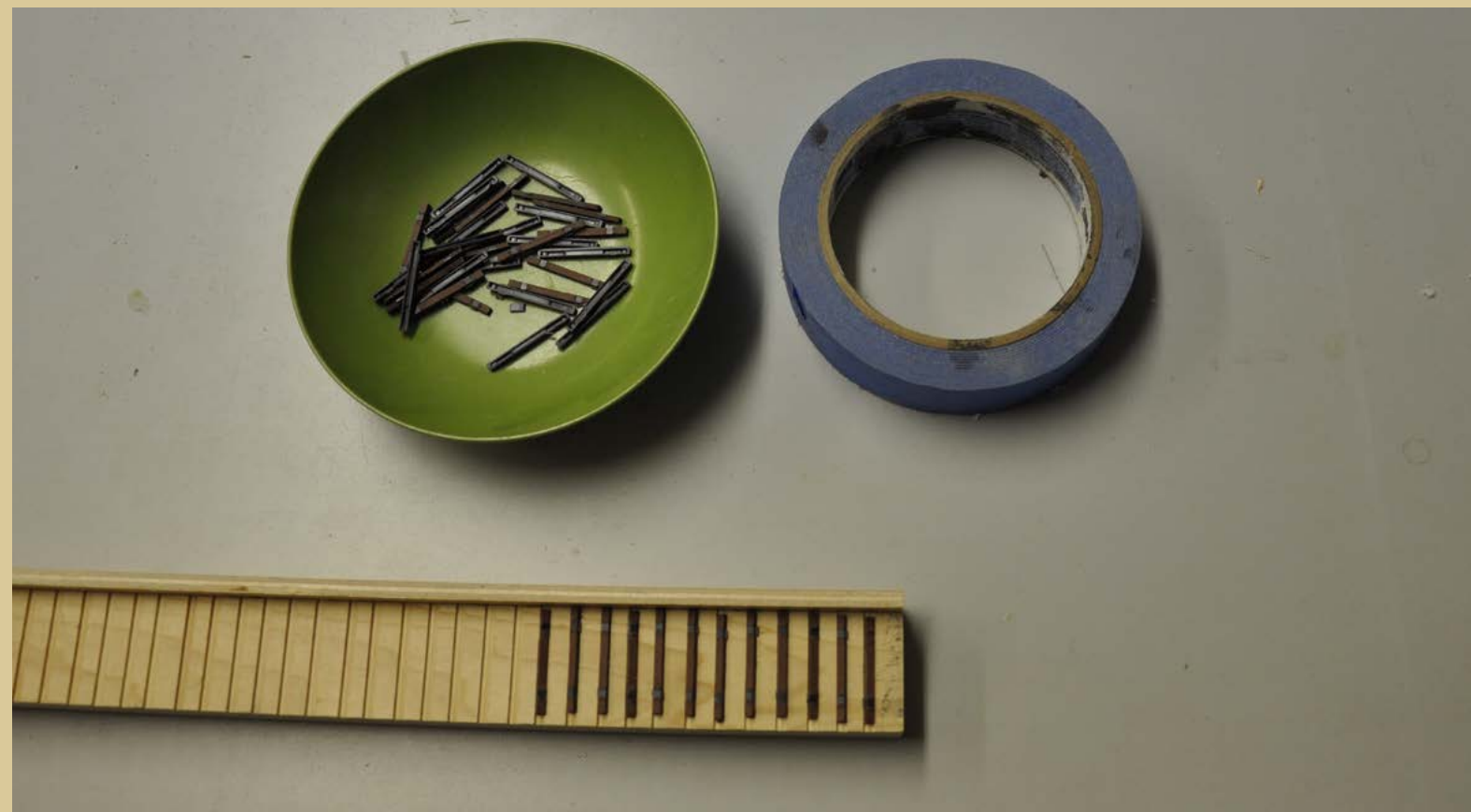
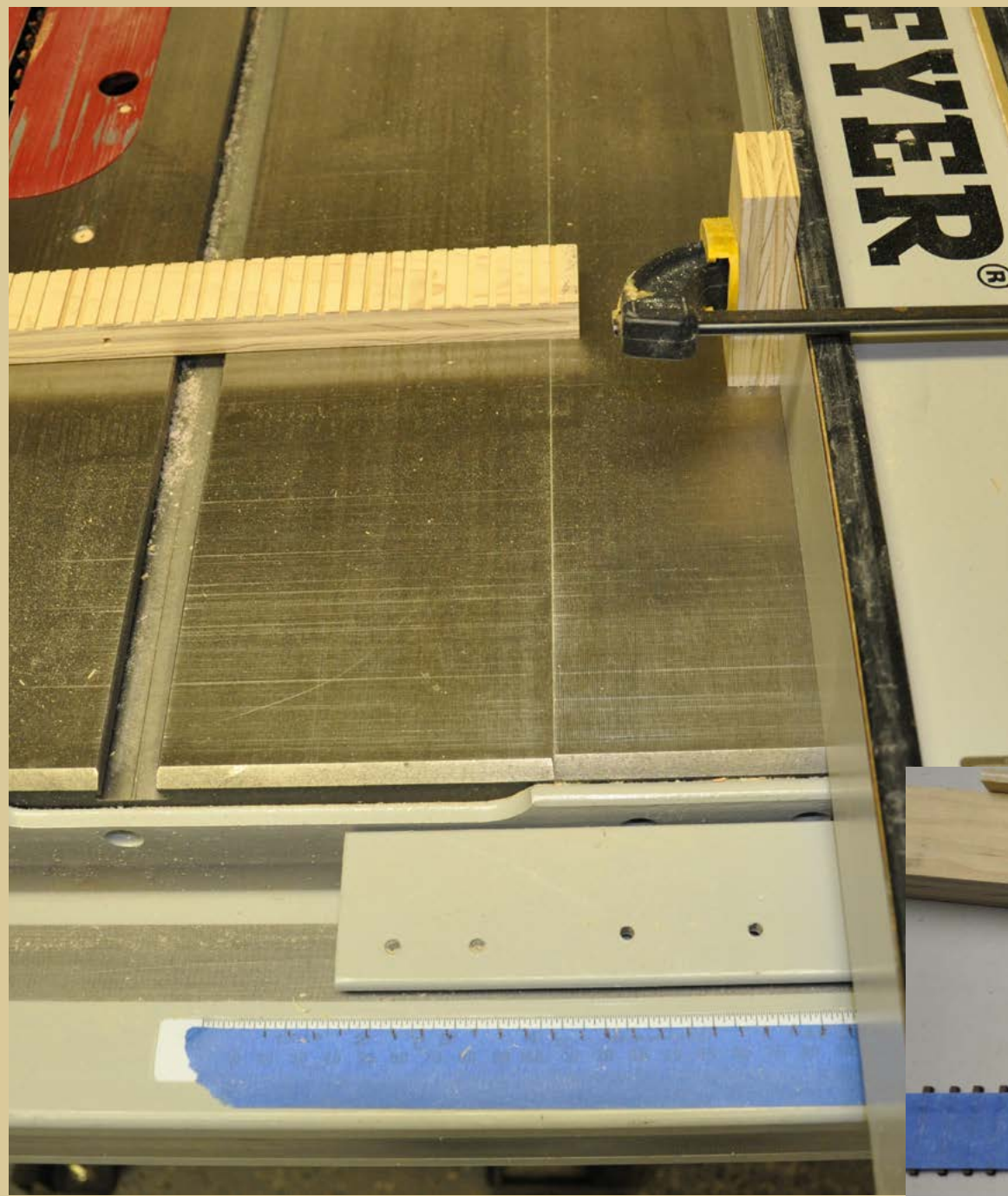


Two roadways are blocked in placed. The masonite board is for future photo backdrop.

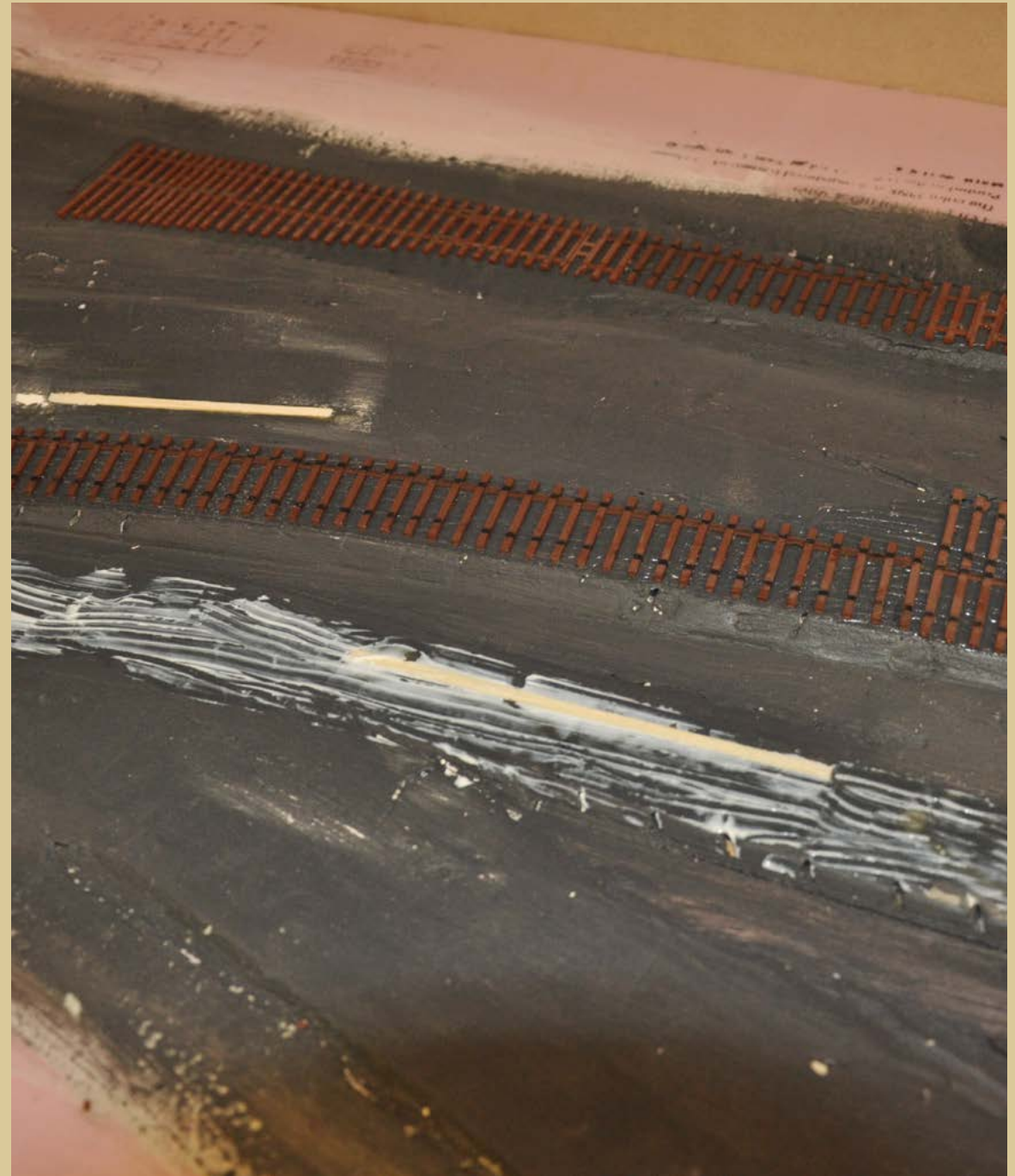


Two thru girder bridges were scratch built to fit the roadways.





Central Valley tie strips were used on the layout. A jig was made for the proper spacing of industrial track.



Ties are glued down with bath and tile caulk





Partially completed scene around the bridges



Dust control is important and a shop-vac is a must have tool.

This is a future purpose and a good system to have in any layout area.





The End