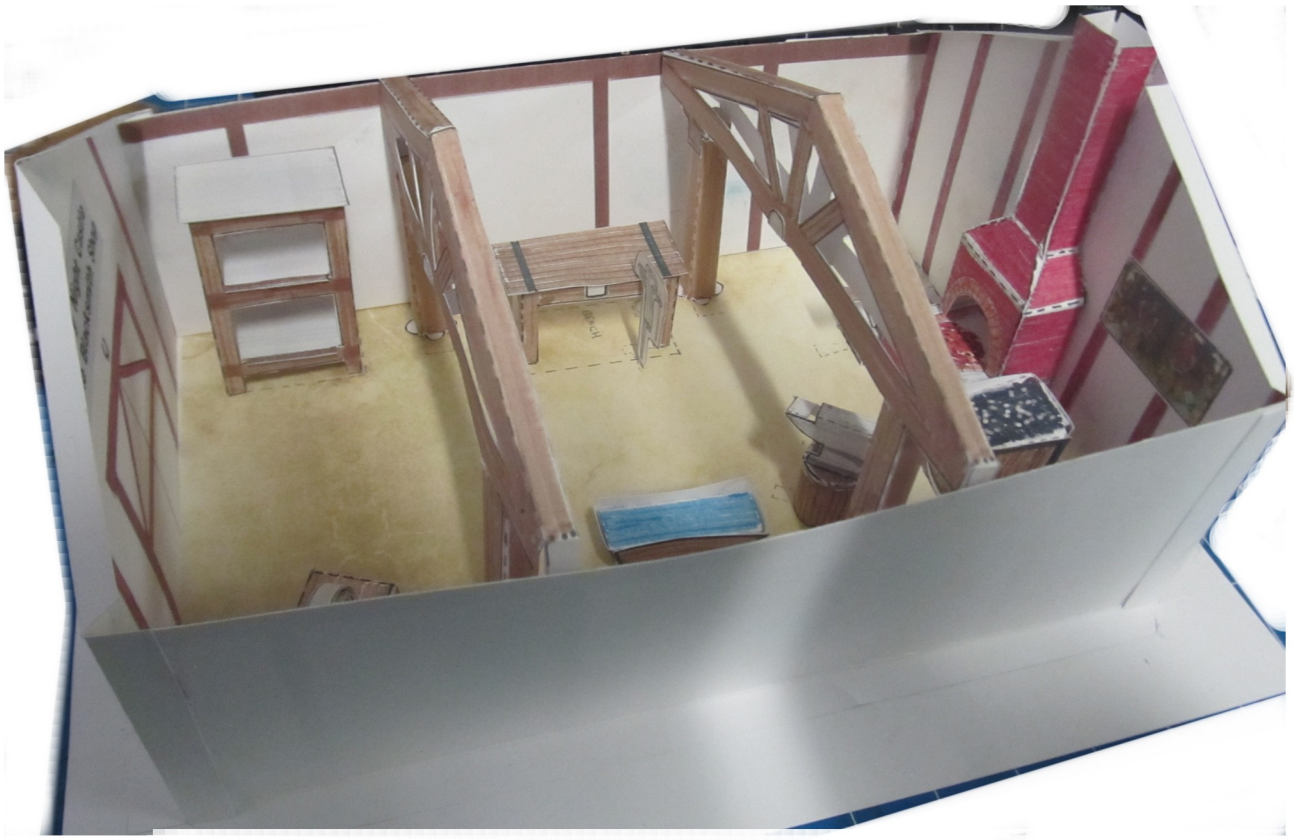
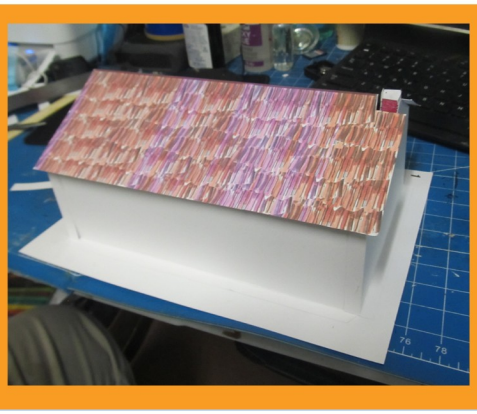
Starry Night Castle

Blacksmith Shop





Download it, Print it, Put it together.

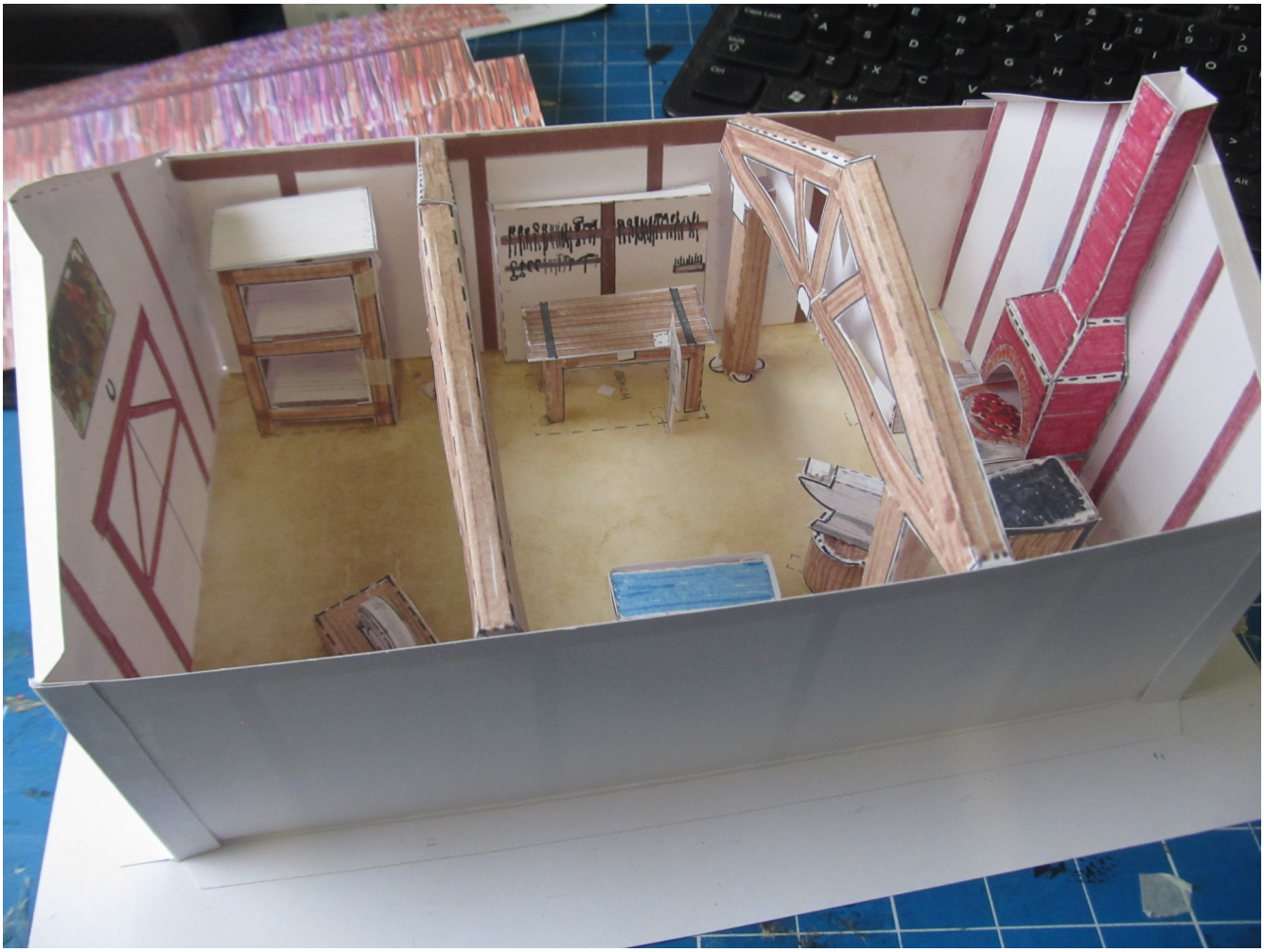
Ages 12 and up

An easy to make yet unique paper project.
A portion of the proceeds from this project go to the making of a real castle.

$9.95

Follow along at StarryNightCastle.com

Starry Night Castle – (Paper Castle)
Part 2: The Blacksmith Shop



This paper project is part of a series of projects for StarryNightCastle.com. It is a project to build a real castle. A portion of the proceeds from the sale of this paper project will go toward the building of the castle.
The series of paper projects are representative of the real castle. The real castle will have a mead cellar. And here we have it! So, in a small way you are contributing to the financing of the castle with this purchase and you are owning a little paper version of part of it. Look for more paper projects and follow along with the building of the castle at StarryNightCastle.com

About this project:

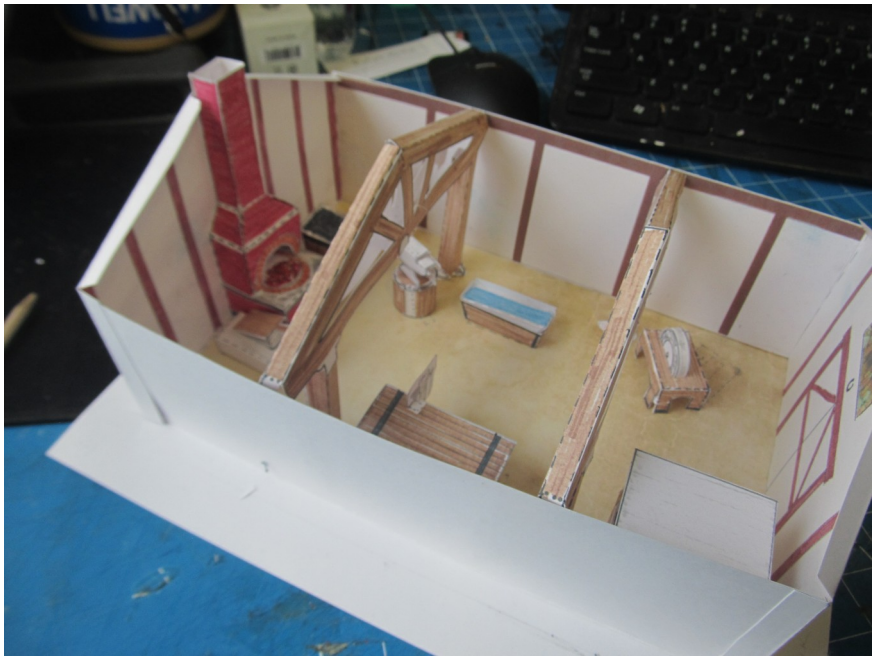
This is a paper project that you print up, cut out, and glue together. It is a mead cellar or wine cellar. We call it a mead cellar because it is mostly about mead which is a type of wine made from honey rather than from grapes. The art work is all hand drawn and this is not a mass produced or machine produced product. It is part of a series of products for the Starry Night Castle project.

About Starry Night Castle:
It is a project to build an actual castle and community here in the United States. This paper project and other projects are designed to raise funds for the building of the castle. This project is of particular note because it parallels the castle. The castle itself will have a mead cellar similar to this one. We are first envisioning the castle in paper version. Then we will build it in stone.
You can learn more on the website at: StarryNightCastle.com

About the blacksmith shop:
It is an age old tradition and every castle had a blacksmith and Starry Night Castle will have one too! So, once the castle is built you can learn how to blacksmith!

You can follow along and contribute to the project in a variety of ways. First off, purchasing this paper kit is a great way to contribute. Secondly there are crowd funding options for you including Patreon here:

https://Patreon.com/starrynightcastle



Assembly Procedure:

Review this packet. Insure that everything appears to be complete. There should be ten pages of parts for the mead cellar. You will be cutting out these parts and gluing them together in certain ways. This assembly procedure will show you how to do it step-by-step.

Tools and Materials Needed:

As a bare minimum you can complete this project with four things:

A ruler or straight edge
Some kind of glue that is suitable for paper
a Pair of scissors
Some 110 Pound paper (eight sheets)

You have received or purchased this project as a file. It is a PDF. It needs to be printed on your printer in order for you to put it together.

You should print it up on 110# card stock paper. This is paper that is thicker than normal printer paper. It is about as thick as index cards or recipe cards. You can purchase a package of this card stock at most stores that carry office supplies including Walmart. Here is a picture of the package I purchased at Walmart. It cost me about five dollars.

You put this 110# paper in your printer just as you would normal printer paper.

If you want to be economical with this card stock paper you just need to print up the eight pages of parts with it. The rest of this booklet can be printed on usual printer or copy paper. Or you can also not print up the assembly part of this booklet. You can view it on your computer. This will save you ink.

If you are unfamiliar with card stock here are some quick tips for you. Generally It comes in the same size as printer paper. So, Get it 8 ½ x 11 inches and look for the pound on the paper. It will say 110# or 110 pound paper. This is an indicator of the thickness.

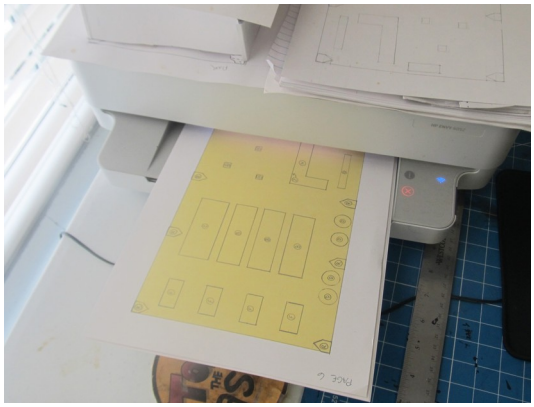
Here is a link to purchase 110# paper on Amazon: https://amzn.to/3mYFI8y

A little bit more about tools and materials

You really can put this whole thing together with a ruler, glue and scissors. That's all you need. But let me expand on that a bit to make it easier and more fun for you.

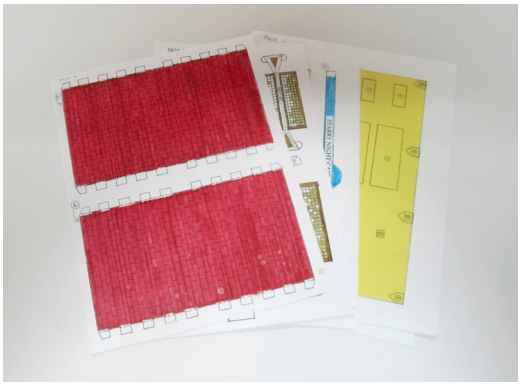
Adhesives: You can use any adhesive that is suitable for paper. The quickest and easiest would be glue sticks! It works very well for this project.
Scissors: There isn't much for small precision cutting in this project but I did make use of a regular pair of scissors and small pair of precision scissors which I love. Other adhesive include white PVA glue and white Elmer's glue. And some kind of tacky glue. When it comes to a tacky glue I prefer Beacon 3 in 1 glue. It is like a jelly and it has good tack and holding power.

The ruler and triangle are a great help to keep cuts and bends very straight. And the yellowish thing in the middle of the picture is something called a bone folder. It is a terrific tool for folding and creasing paper. I love my bone folder. It is called a bone folder because they used to be made out of actual bone. But…. I think it is some kind of synthetic now.
This project is not intense or demanding on glue. Just about any paper glue will be more than adequate.



Ok, Put some card stock in your printer and print up this packet. Or at least print up the pages that make up the Blacksmith shop. (Pages 29 thru 36)

If you want to save ink you can read the instructions on your computer (pages 1 thru 28) and just print up the blacksmith shop parts (pages 29 thru 36)



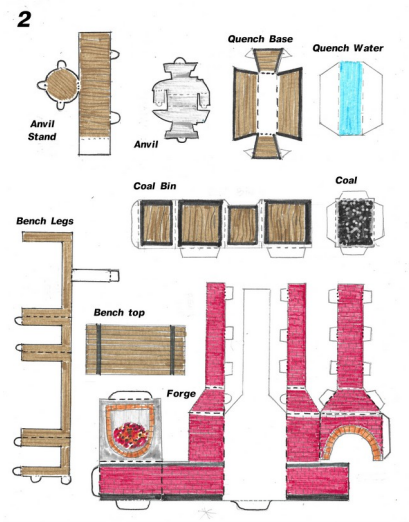
Inspect the sheets looking for any printing issues.

When cutting and assembling:

All of the pieces will be cut out of the pages. **Dashed lines** are not cut lines they are fold lines so do not cut them!

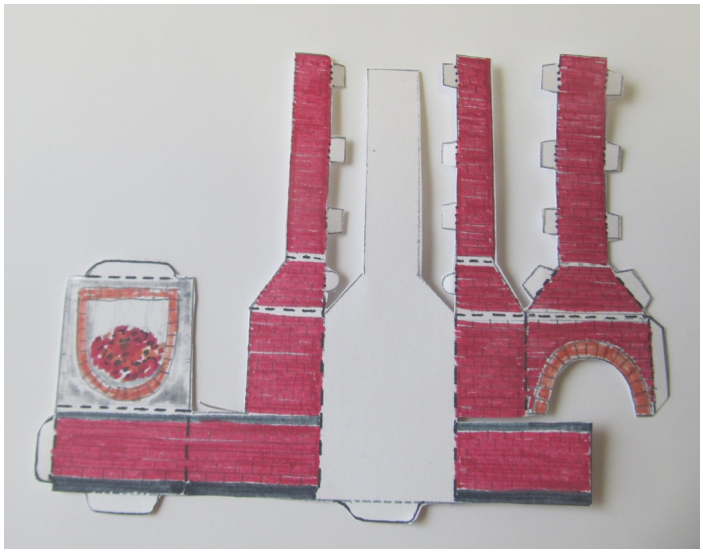
Let’s Get Started

Lay out page 1. It is the floor of the blacksmith shop. Lay it so the space for the forge is on the right. In the rest of this assembly procedure we will refer to this as “page 1”.

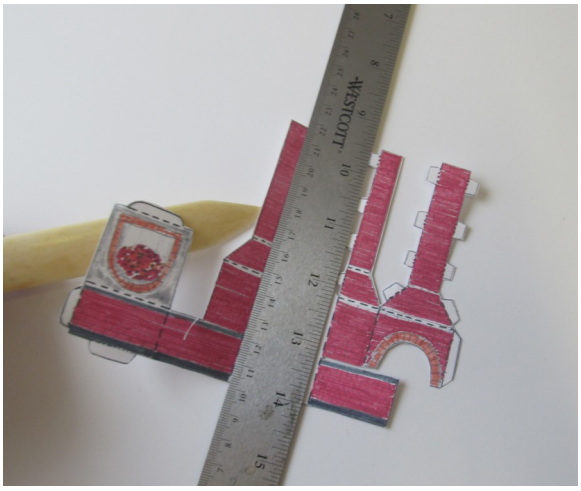


1. Each piece is labeled with a name. You will be cutting each of them out. To keep things organized I recommend you cut a piece out, assemble it, then glue it onto page one before moving on to the next piece. I will walk you through all of these pieces one at a time.

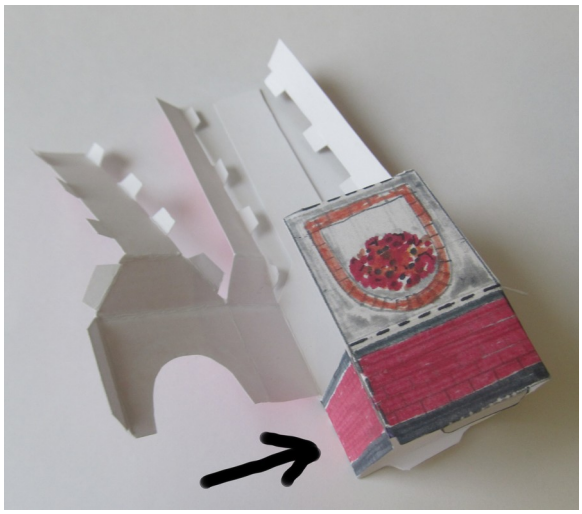
Start with the red forge unit.



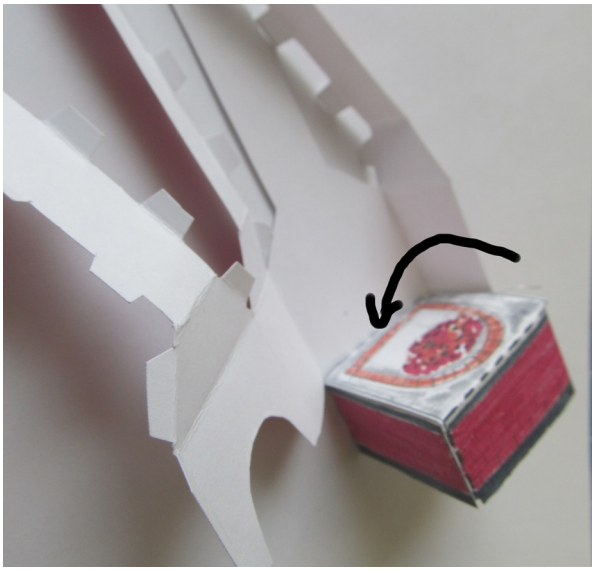
Cut out the part labeled forge.



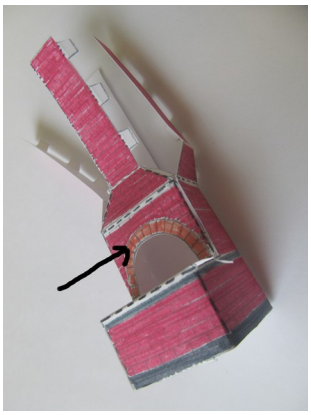
Fold and crease the various dashed lines. Using a ruler or straight edge will help keep the creases/folds very straight. In this picture you see that I am using a ruler and a bone folder.



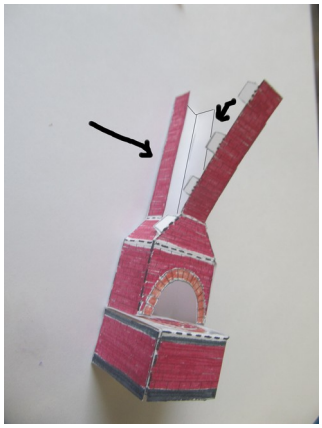
Fold and glue the lower half like this.



Then fold down and glue the part with the fire pit.



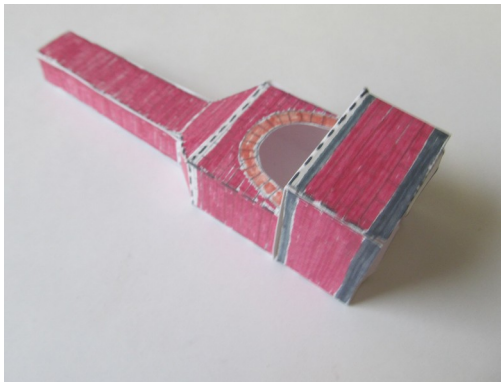
Fold the front part of the forge into place and glue the lower [art like you see in the picture.



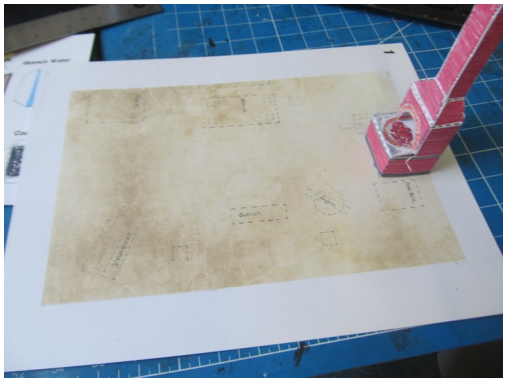
Glue the two side pieces into place against the back piece.

This picture shows the back of the forge. The tabs on those side pieces glue around the back like this.

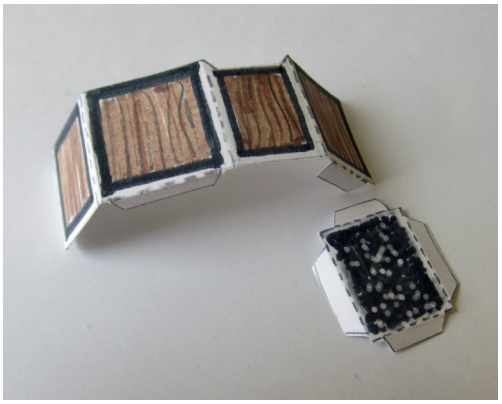
Finish the forge by gluing the front piece to the side pieces. Do it so the tabs are on the inside.



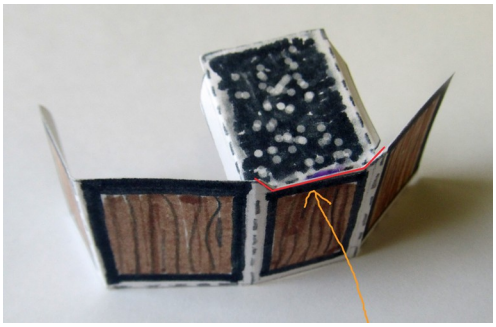
This is what it looks like completed.



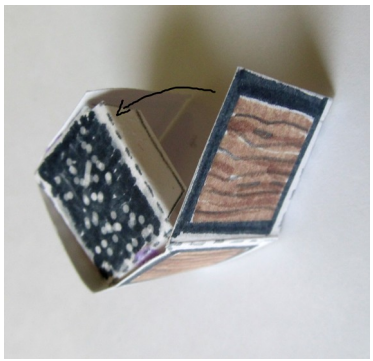
Glue it into place on the base plate (Page1).



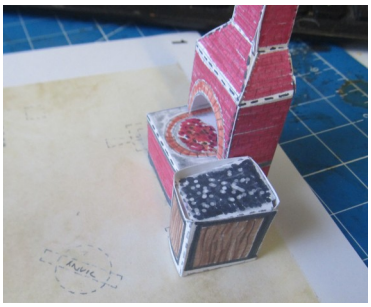
Cut out the two parts that make the coal bin and crease them on the dashed lines.



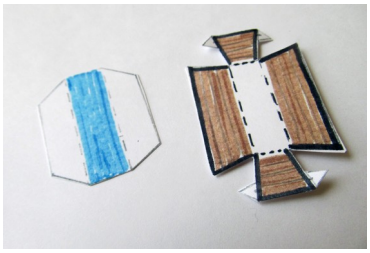
Glue the coal piece into the bin like shown in this picture. Notice the red line. This rectangle is smaller than the other three that make up the bin. It is the front of the bin.



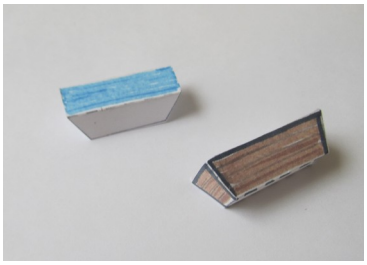
Finish it off by wrapping the bin around the coal and gluing it closed.



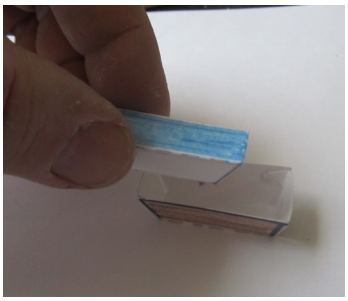
Glue it into place along side the forge.



Cut out the two parts that make up the quench.

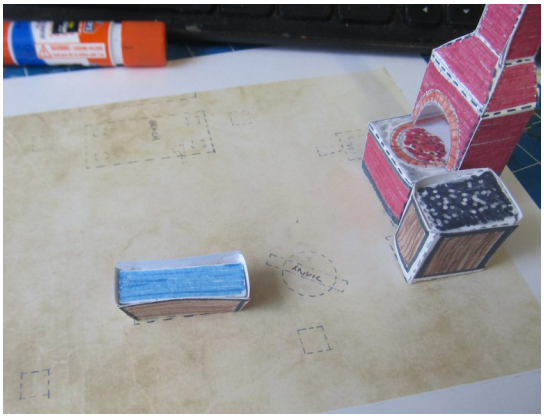


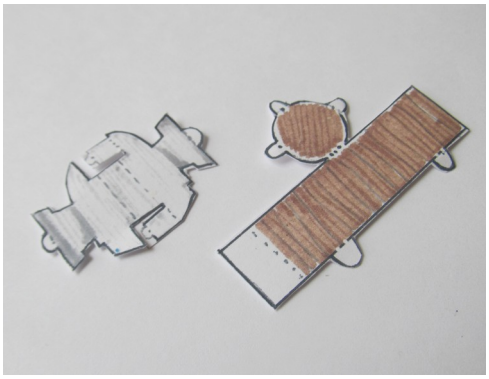
Fold them into shape. The Wooden part is glued to form the trough shape.



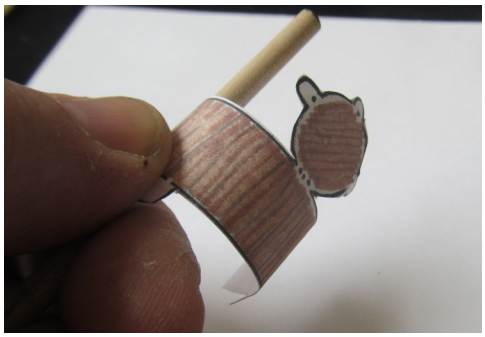
Glue the water part into the trough.

Then Glue it to the base (Page 1).

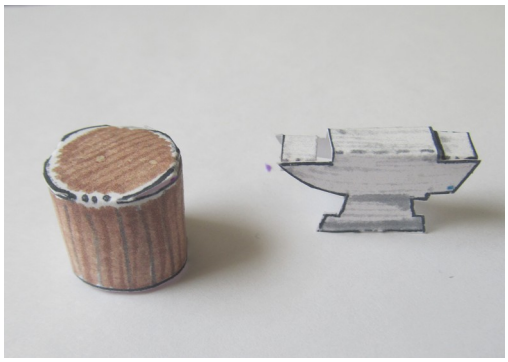




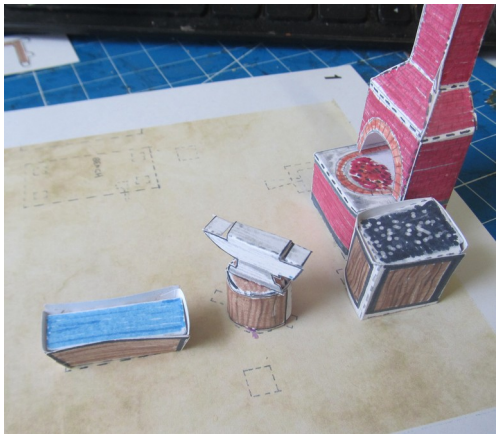
Cut out the two parts that make up the anvil set up. They are the anvil and the anvil stand.



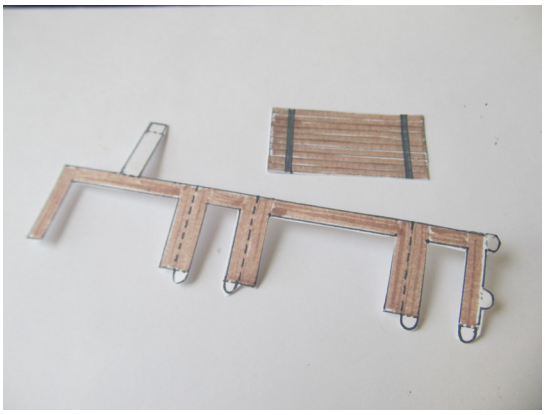
First glue together the anvil stand. You can curl it into a round shape with a pencil or dowel.



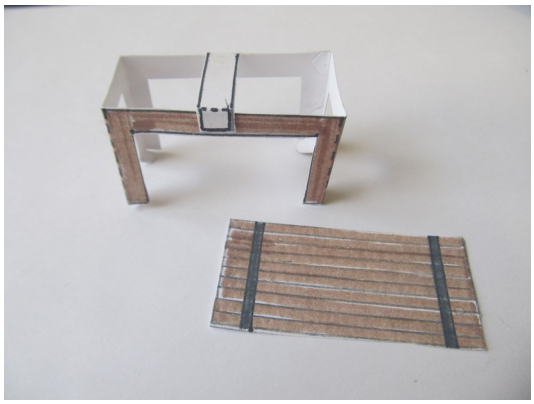
Fold and glue the stand and the anvil. Then glue the anvil onto the stand.



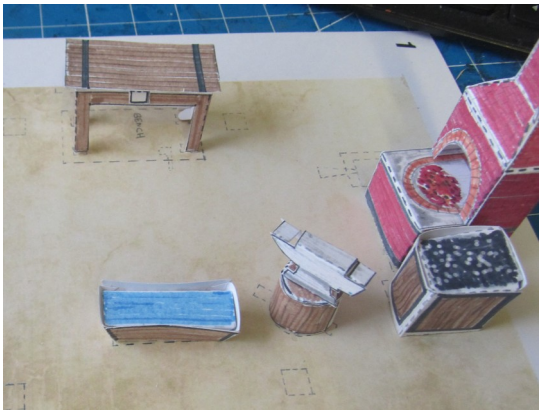
And glue it into place.



Cut out the two parts that make up the work bench.

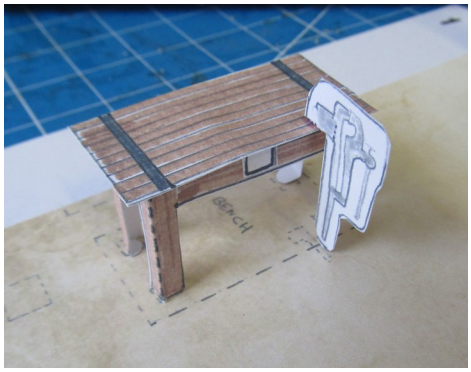


Fold and glue the leg portion like you see here.

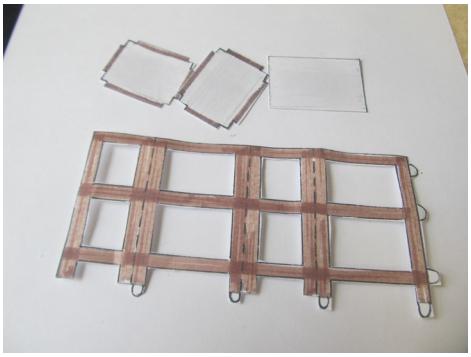


Glue the leg portion onto page 1 like you see here. Then glue the top of the work bench onto it.

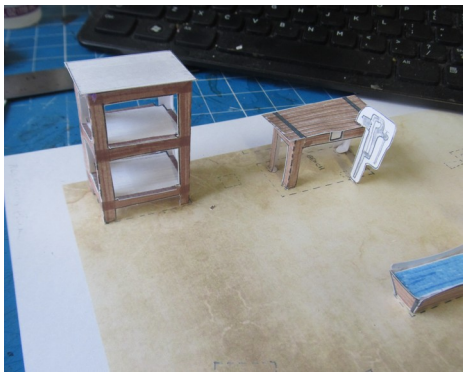
Cut out the leg vise.



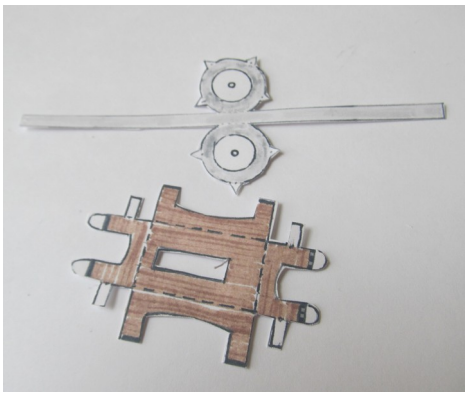
And glue it to the work bench like this.



Cut out the four parts that make up the storage rack and glue them all together. The plain colored shelf with no brown on it goes on the very top of the rack.



Glue the storage rack into place.

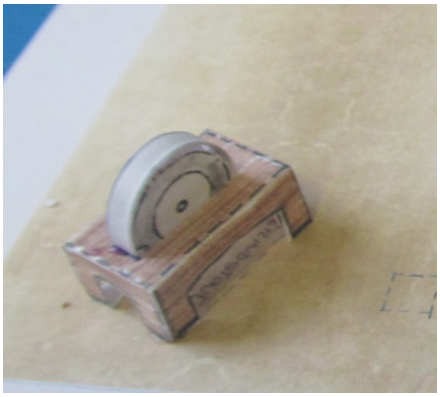


Let’s make the grinding stone next. Cut out the two parts. Notice that the slot is also cut in the middle of the wooden stand.

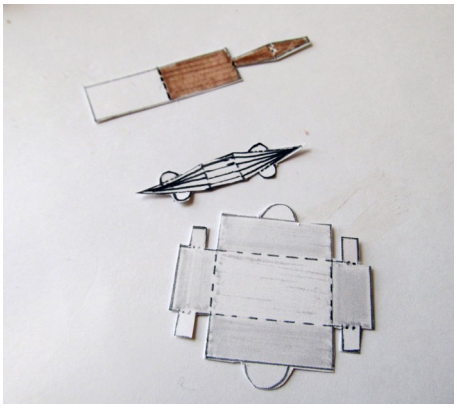
Fold and glue the wooden part of the grinding stone and glue it into place on page 1.

Fold and glue the actual grinding stone together.

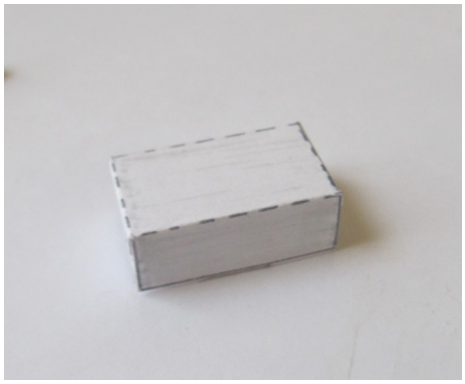
It can be a bit tricky to put this together. Use a pencil or wooden dowel to curve the thin strips just like you did with the anvil stand.



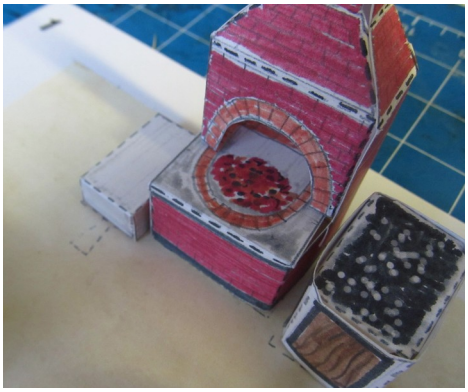
Glue the grindstone into the stand. If you need to you can cut away more of the slot in the stand so the stone will fit nicely like you see here.



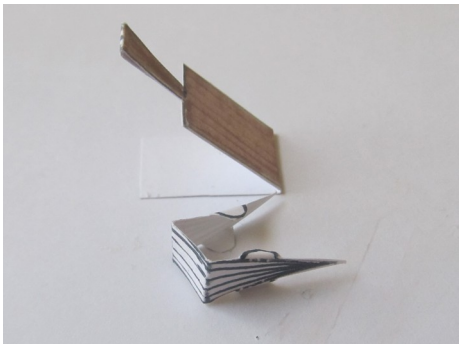
Cut out the three pieces that make up the bellows.



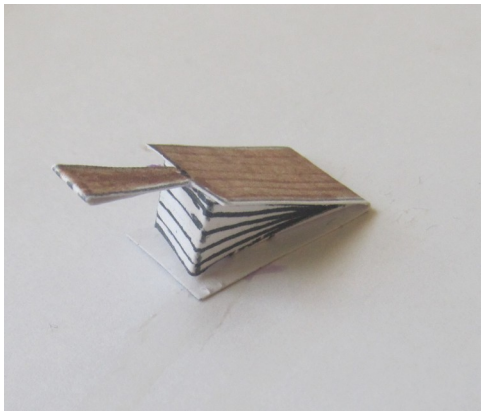
Assemble and glue the bellow base into shape.



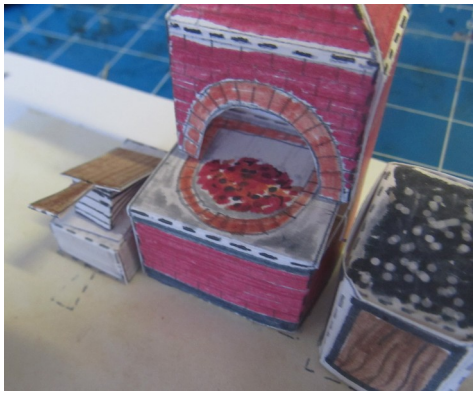
Then glue it onto Page 1 along side the forge.



Fold the bellow handle and the bellow like this.

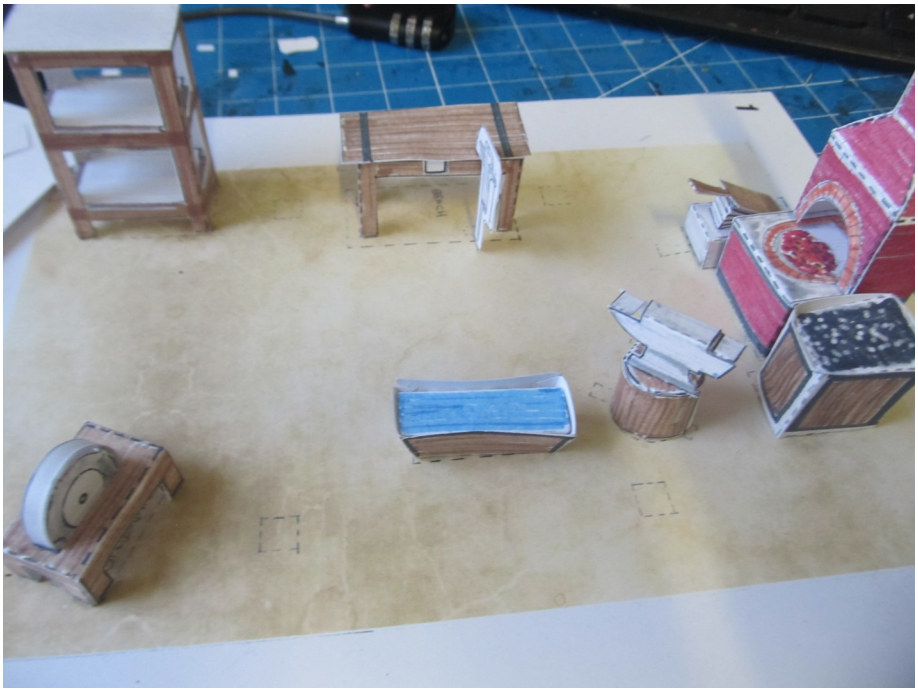


Glue the bellow into the bellow handle.

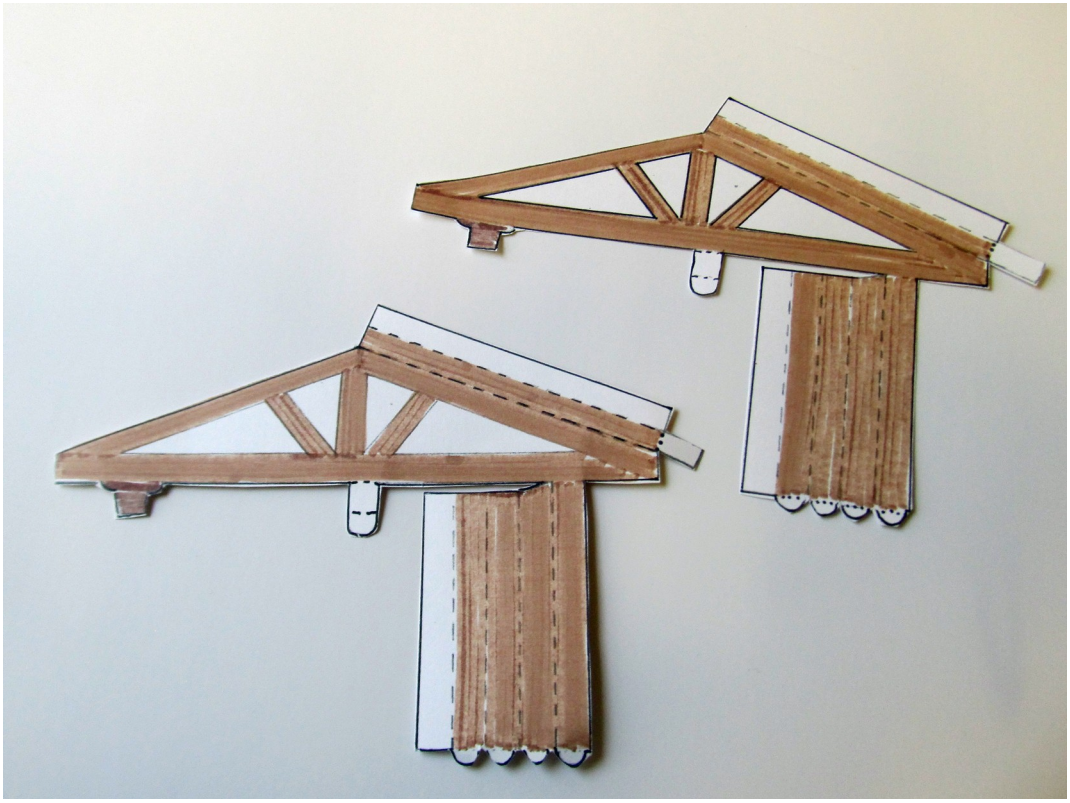


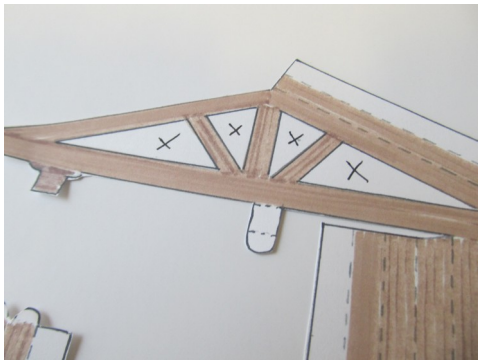
Glue the bellow assembly right onto the top of the bellow base.

Okay! The components are all in your blacksmith shop. Next we will do the structural elements. But first take a look at your shop. It should look like this:

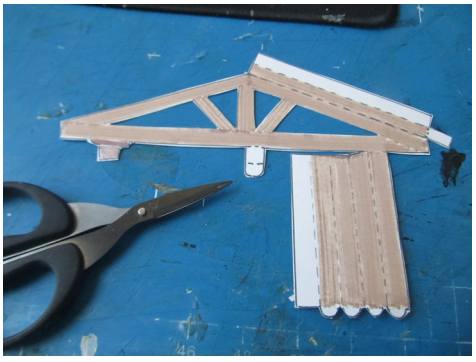


Let’s make the beam structures. These are on pages 4 and 5. There are a total of four pieces and they are all identical. Cut out two pieces like you see here. These will be put together to make up one beam structure.

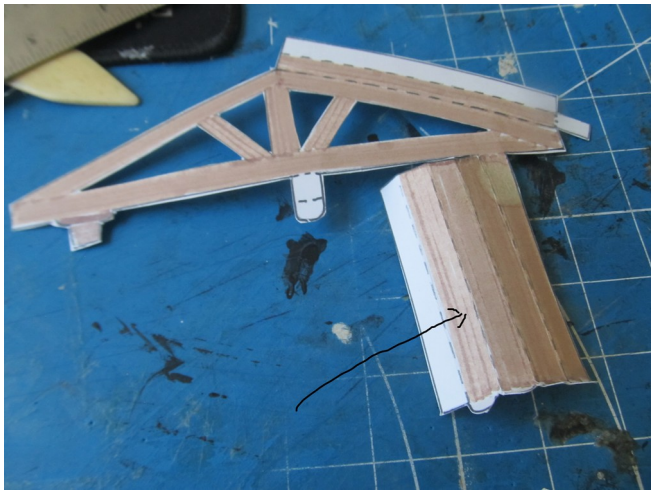




Note that you have an option here. See in this picture that there are four small white areas marked with an “X”. Optionally you can cut these four areas out. Cutting them out will make the beam structure look better and more interesting. But you can also leave them be and not cut them out. This will make your beam structure stronger. Your choice.

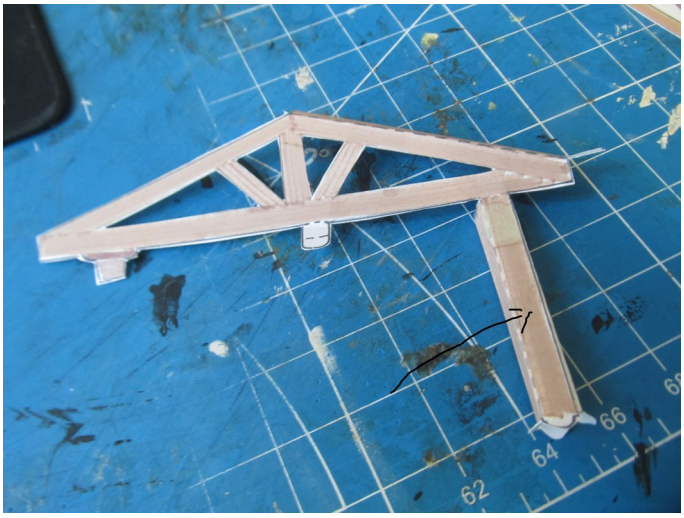


This picture shows those four areas cut out.



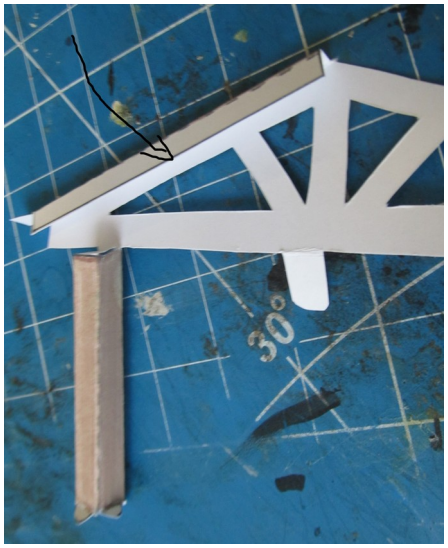
Use a ruler to sharply crease the four dashed lines on the beam. The black arrow shows you the beam.

Apply glue to the uncolored portion.

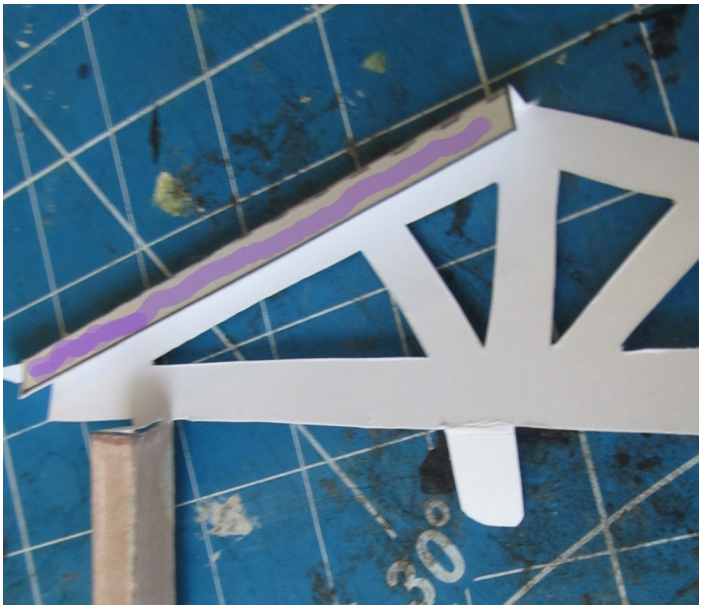


The fold it up along the creases and glue it in place. The uncolored portion is on the inside of the beam.

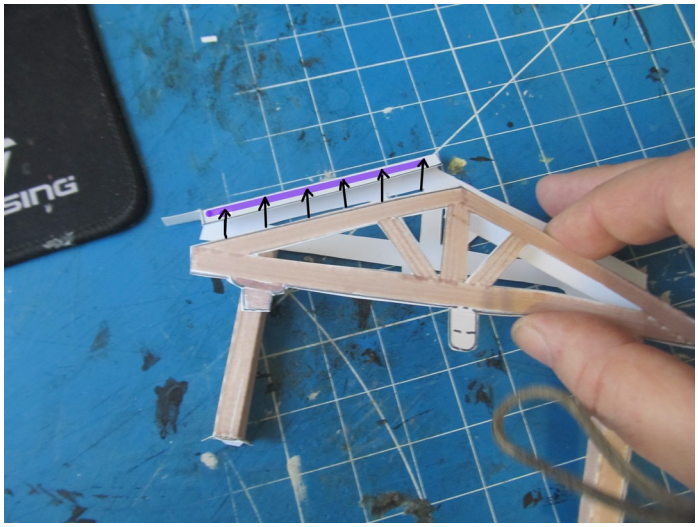
Use a ruler to fold along the dashed lines of the top part of the beam structure. There are only two dashed lines. This part doesn't form a beam. It only forms half a beam.
This process of folding up the beam and then folding the top part is great. Do it again with a second beam unit.



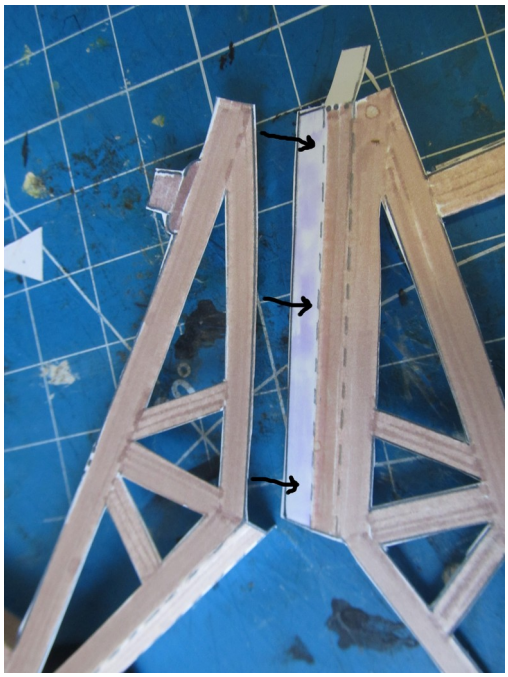
Next we glue two of these beam units together. Apply glue to this area **of only one of them.** This next picture shows where the glue is applied. It's marked with a purple color.



This next picture gives you the idea of how the two beam pieces will go together. They are almost lined up. Notice the purple area where the glue is.

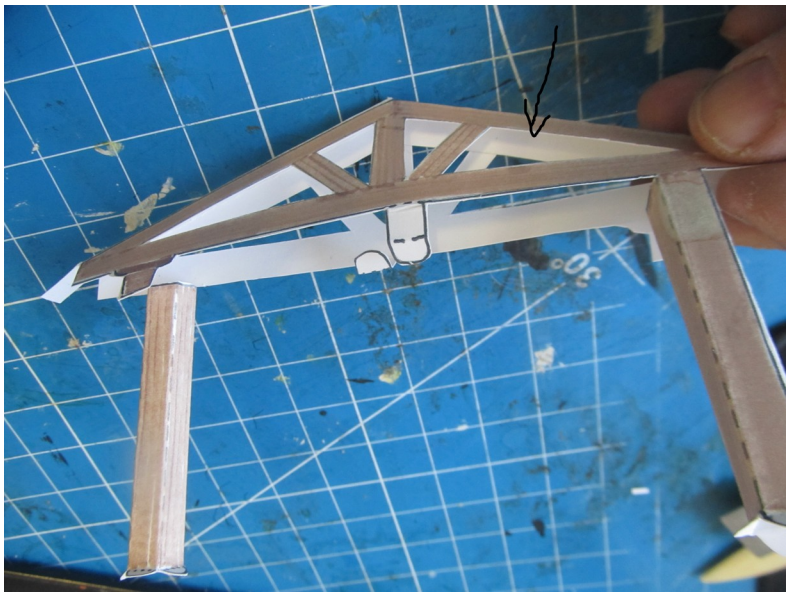


Glue them together.

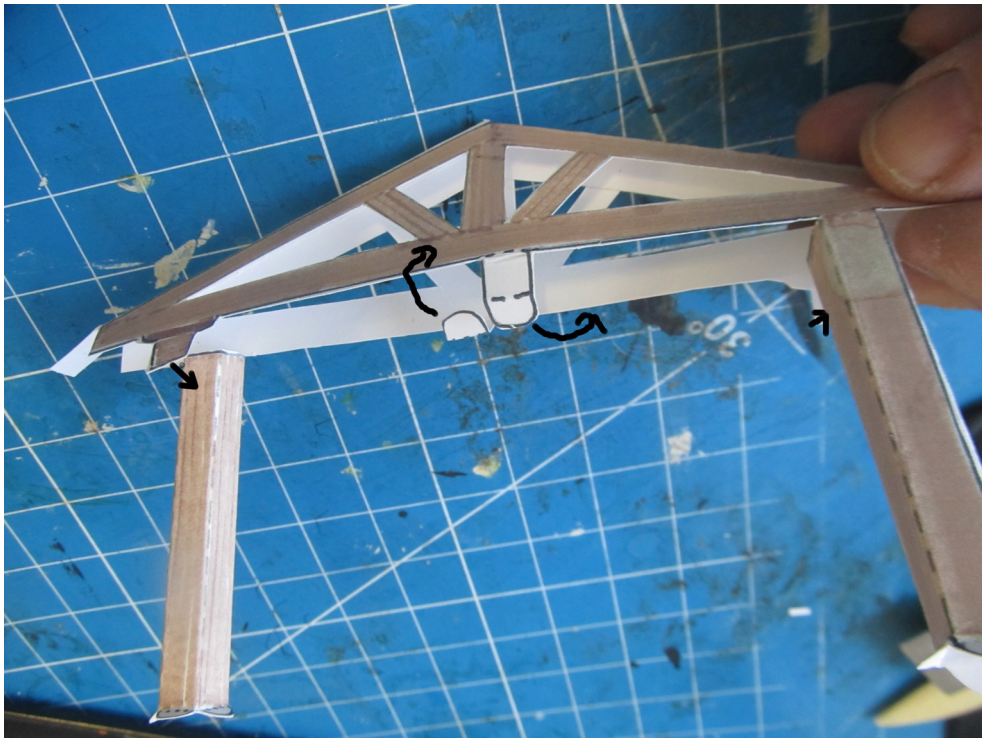


For this first gluing you don’t have to keep the 3d shape of the beams. You can lay them out flat like this. Makes it easy. We are going to repeat this process although you won’t be able to lay it flat for that second gluing.

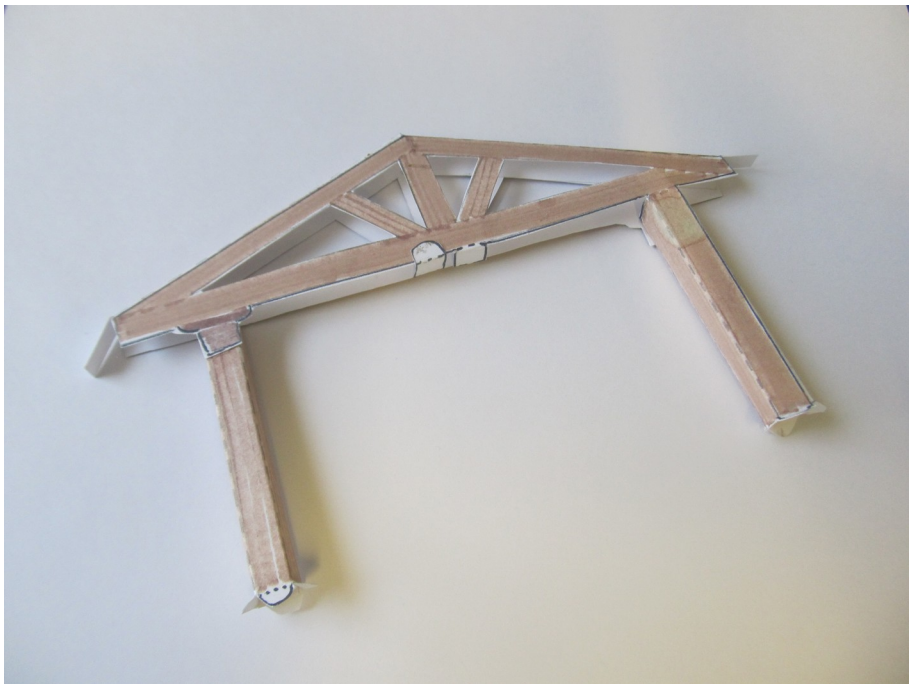
Repeat the gluing process on the other half of the beam assembly and it comes into shape.



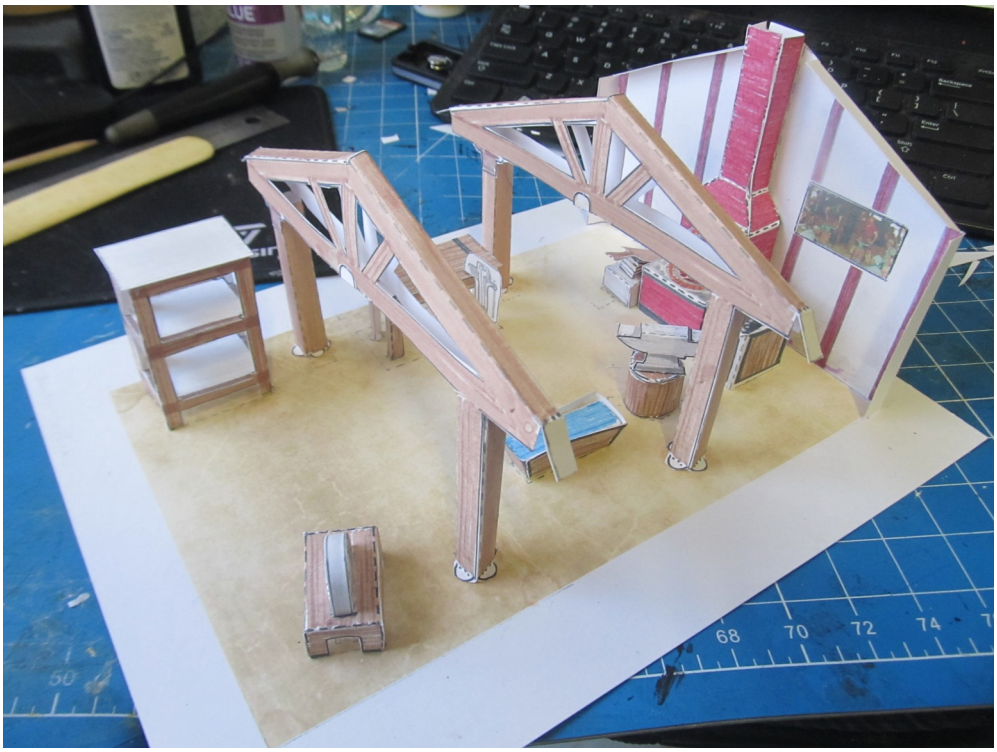
We can now finish off this beam structure by gluing the four tabs. Marked in the picture by black arrows.



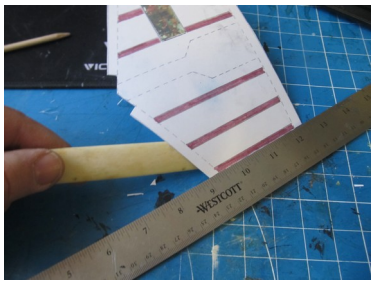
It looks terrific! Repeat this whole process to make another beam assembly.



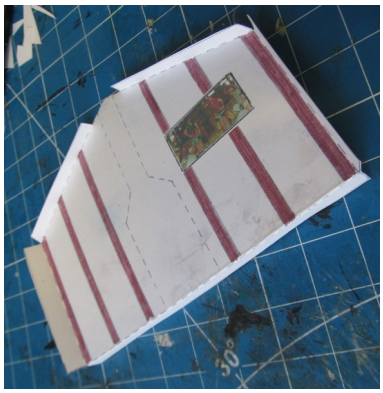
And then glue them into place on page 1.



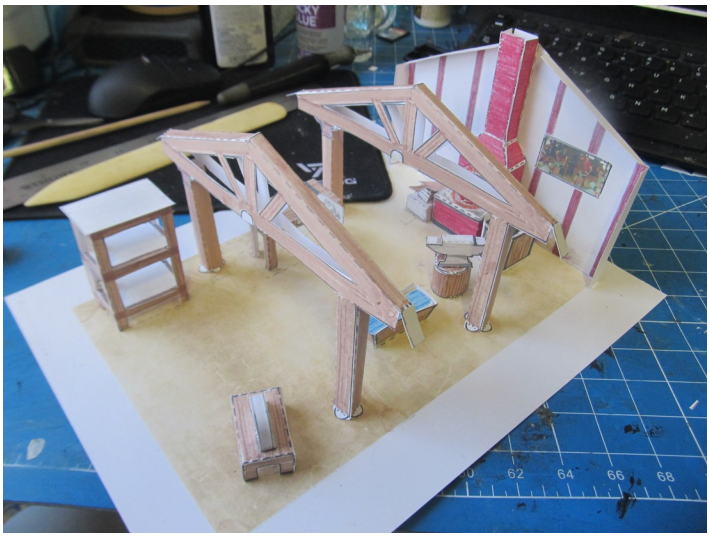
Cut out the two end walls. (Page 7)



Use a ruler or straight edge to crease and fold along the dashed lines. Note that on one of the end walls there are dashed lines showing where the forge is glued. Do not fold those dashed lines!



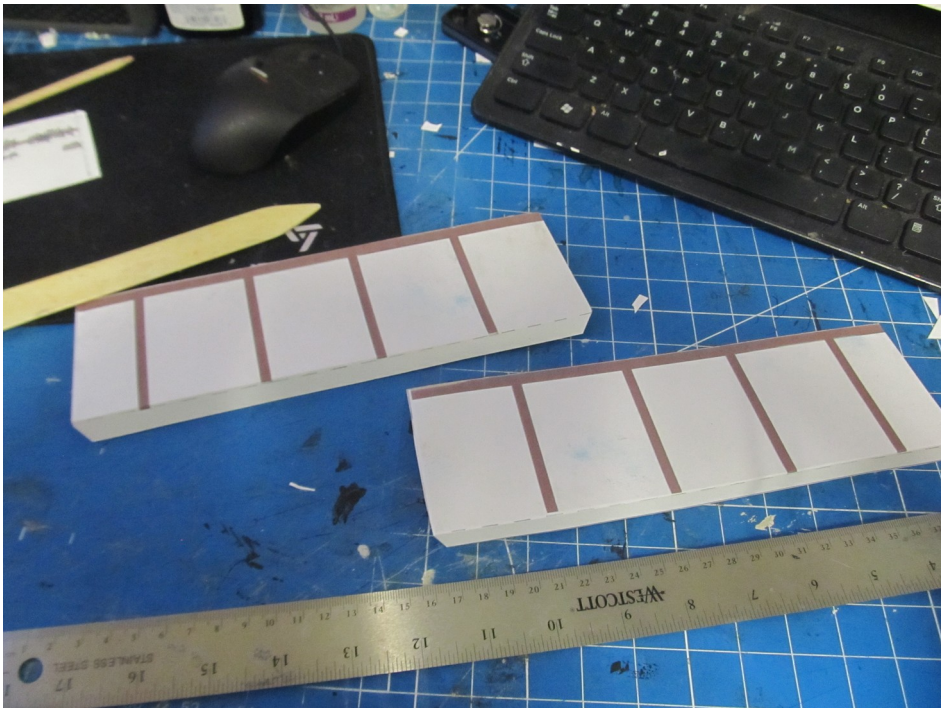
This is what you end up with.



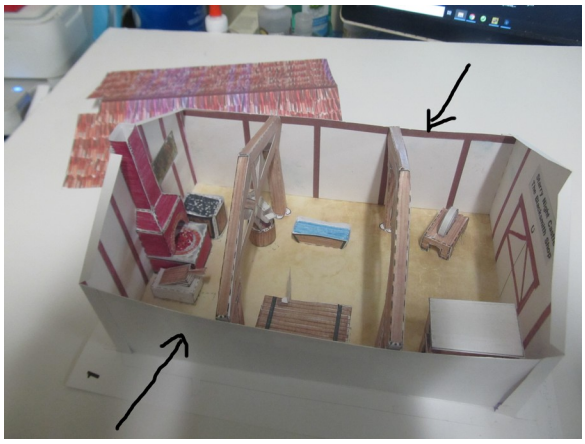
Glue them both in place onto page 1. This picture shows the first wall glued in. It is the one with the Norman Rockwell painting and the dashed lines for the forge. Be sure to put some glue on the back of the forge and glue it to the end wall. This will give it stability and strength.

And this is what we end up with after both end walls are glued in.

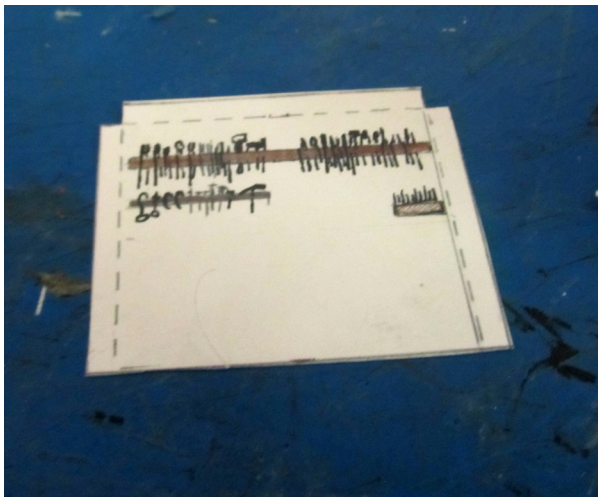
Cut out the sidewalls on page 8. Using a straight edge fold them on the dashed line. There is only one dashed line on each. It is along the bottom.



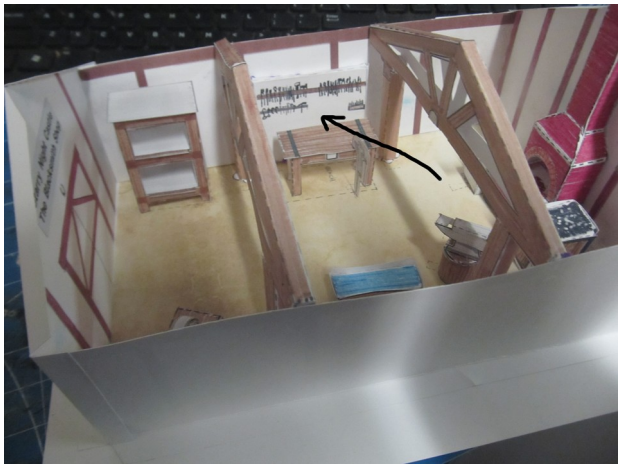
Glue both side walls in place. Be sure to glue them at each end onto the flaps of the end walls. And glue them at each beam section where there are flaps.



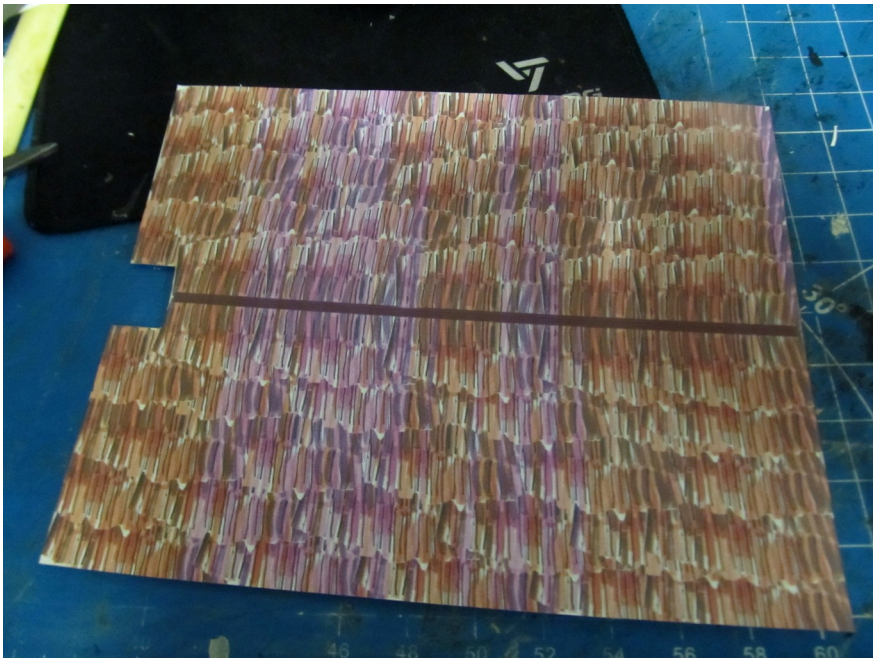
Cut out the tool wall on page 3 and fold it on the dashed lines along three sides.

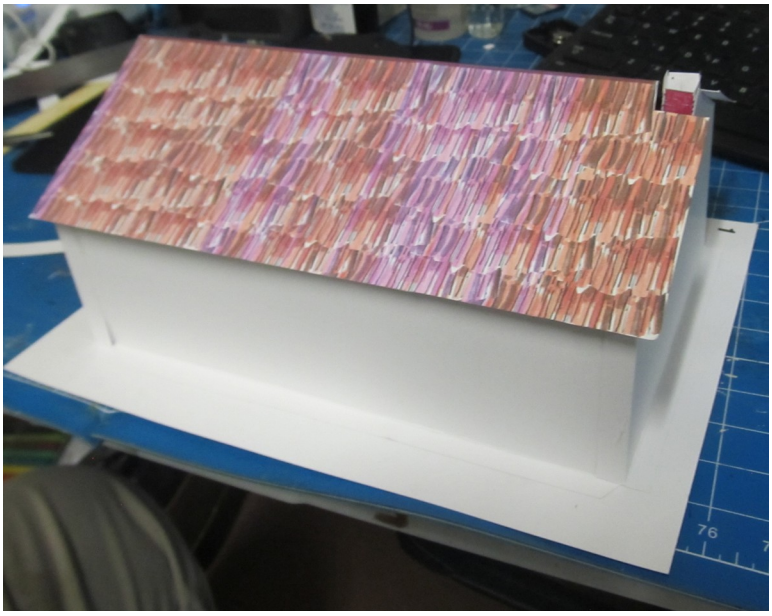


Then glue it to the wall behind the work bench.



Now lets finish off the blacksmith shop by cutting and installing the roof.



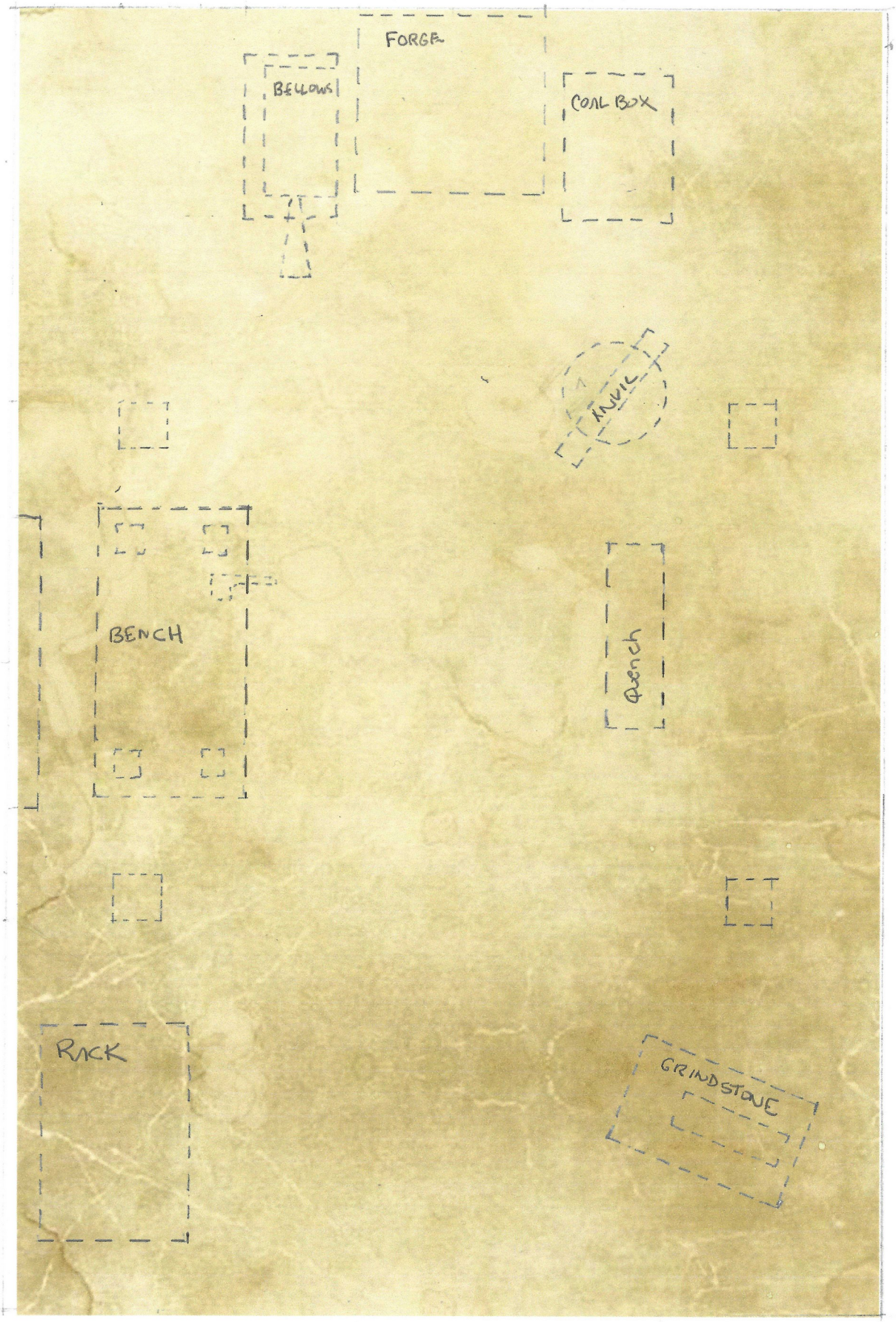


You have finished the Starry Night Castle Blacksmith Shop!

Congratulations on completing this paper project! Enjoy and share it with your friends. They are going to love it! This is project 2 of a series of paper projects for the Starry Night Castle. A portion of the proceeds for this project goes to the building of an actual castle (with a blacksmith shop!)

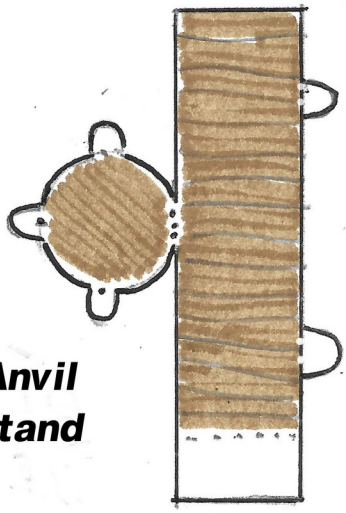
The following pages are the parts you print up and assemble together.
(8 pages)
These next eight pages should be printed on card stock or #110 pound paper.

1

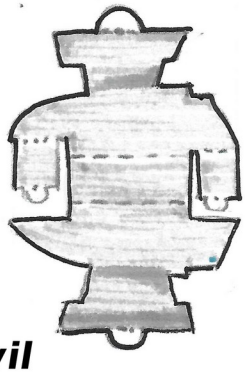


BLACKSMITH FLOOR

2

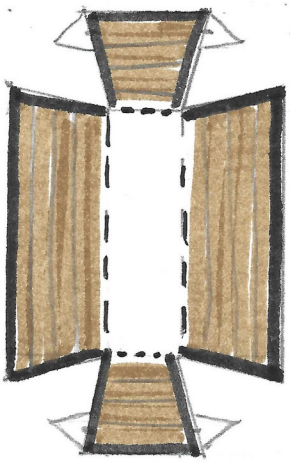


Anvil Stand

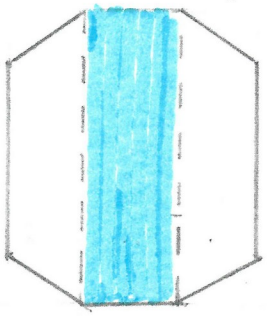


Anvil

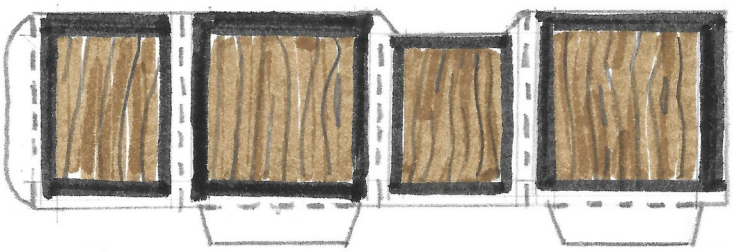
Quench Base



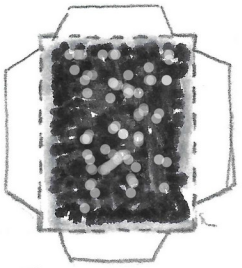
Quench Water



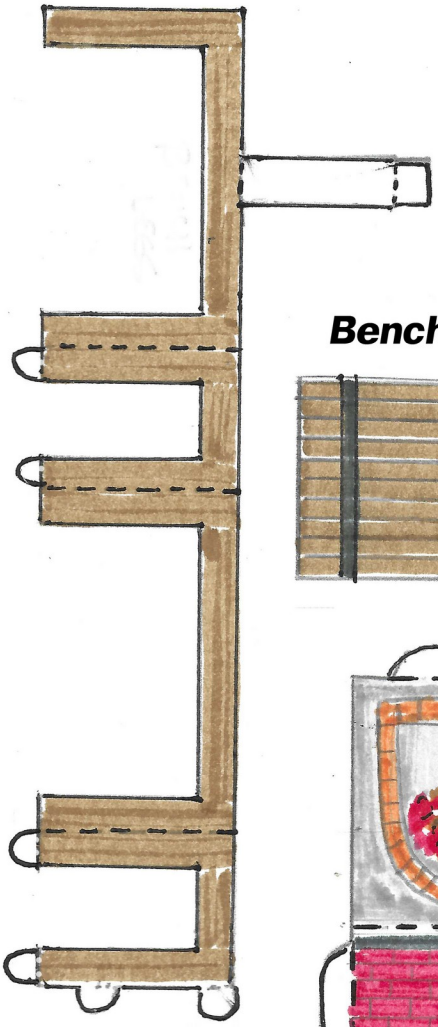
Coal Bin



Coal

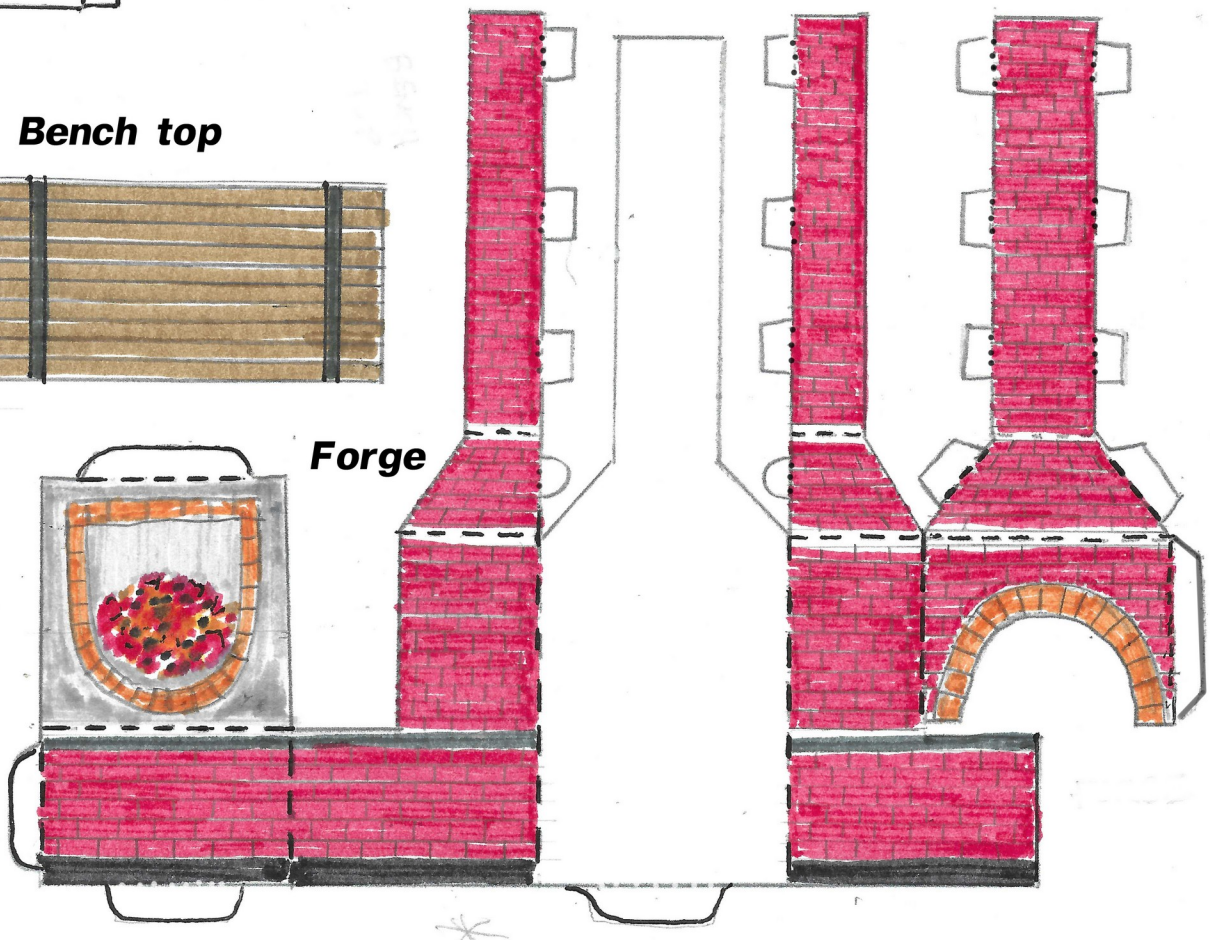


Bench Legs



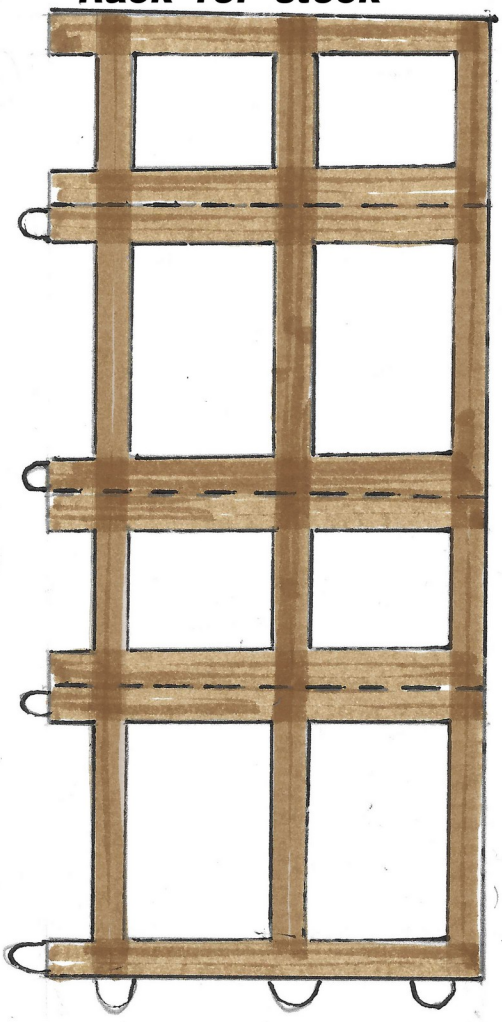
Bench top

Forge

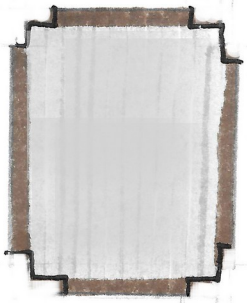


3

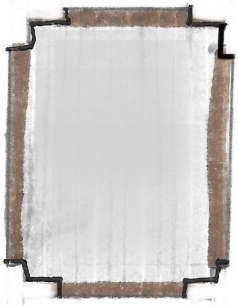
Rack for stock



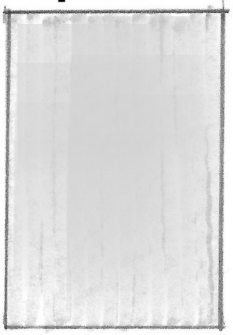
Bottom shelf



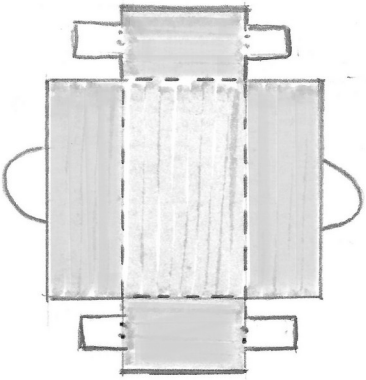
Middle shelf



Top shelf

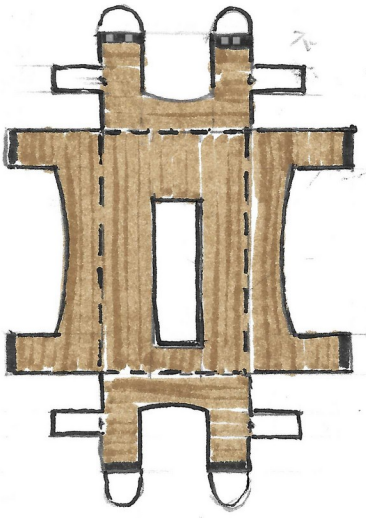


Bellows Box

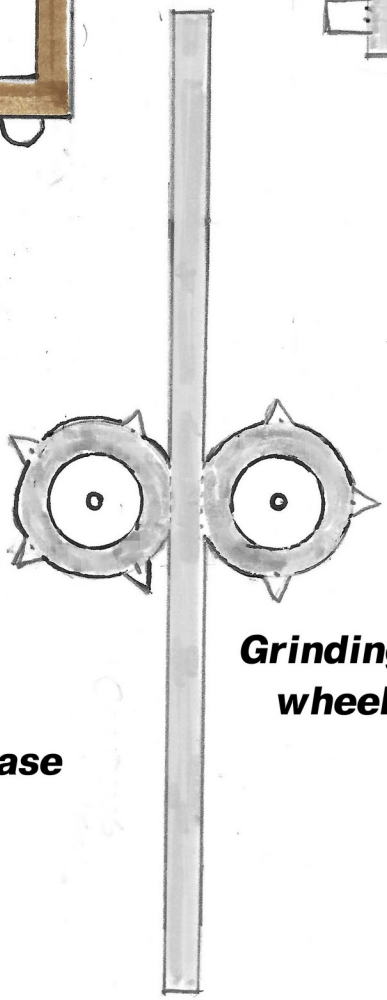


Bellow frame

Bellow

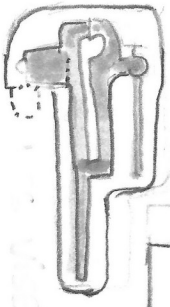


Grinding wheel base

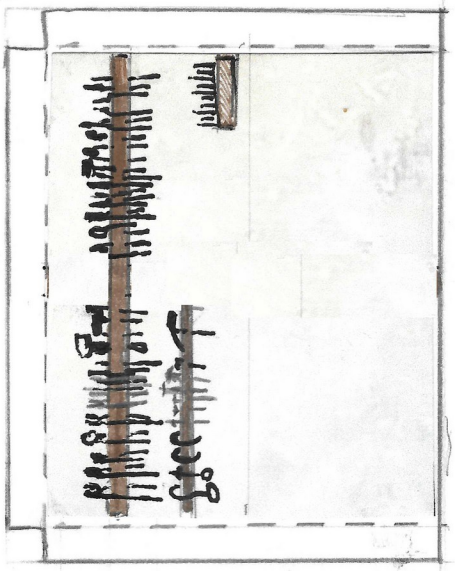


Grinding wheel

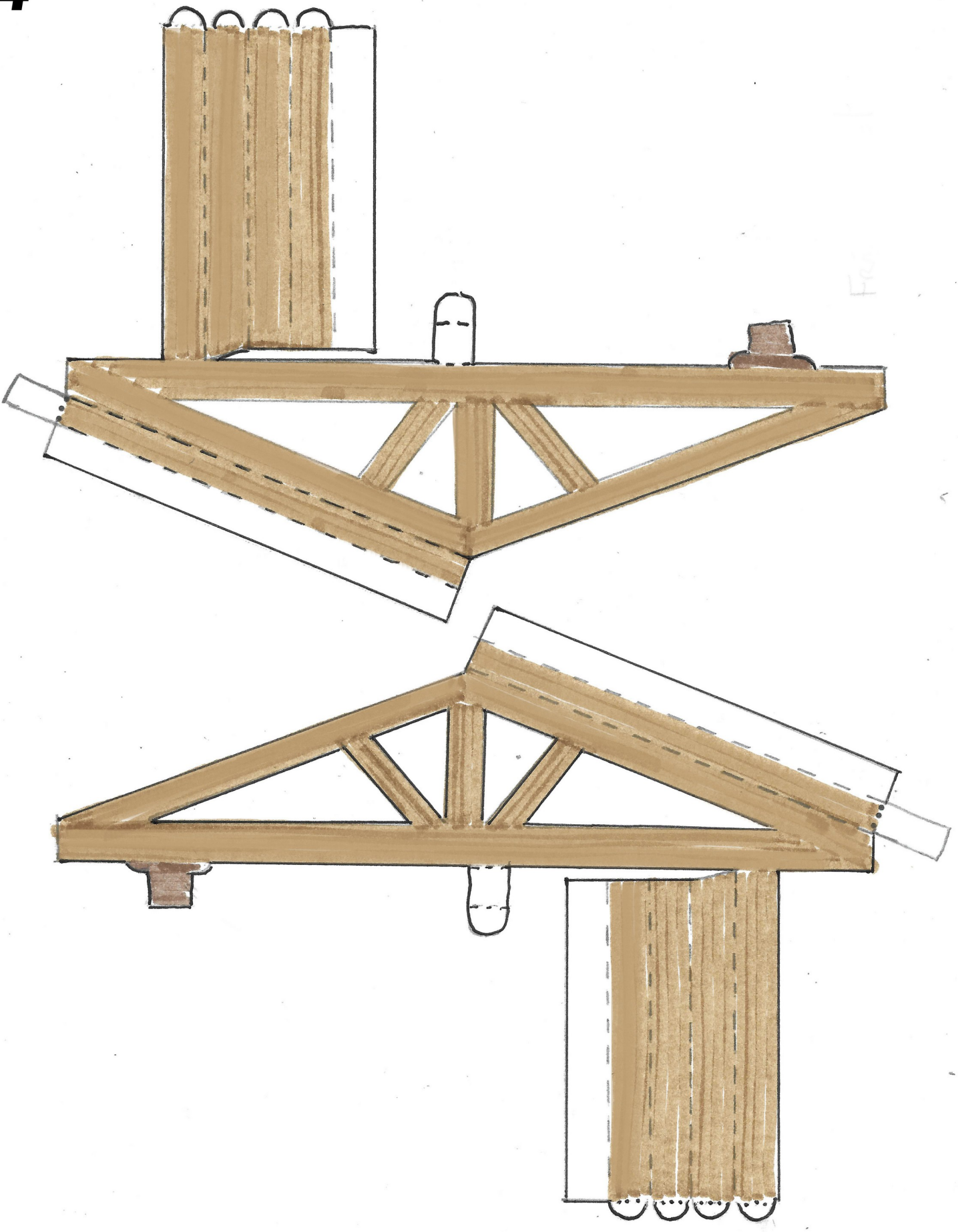
Leg vise



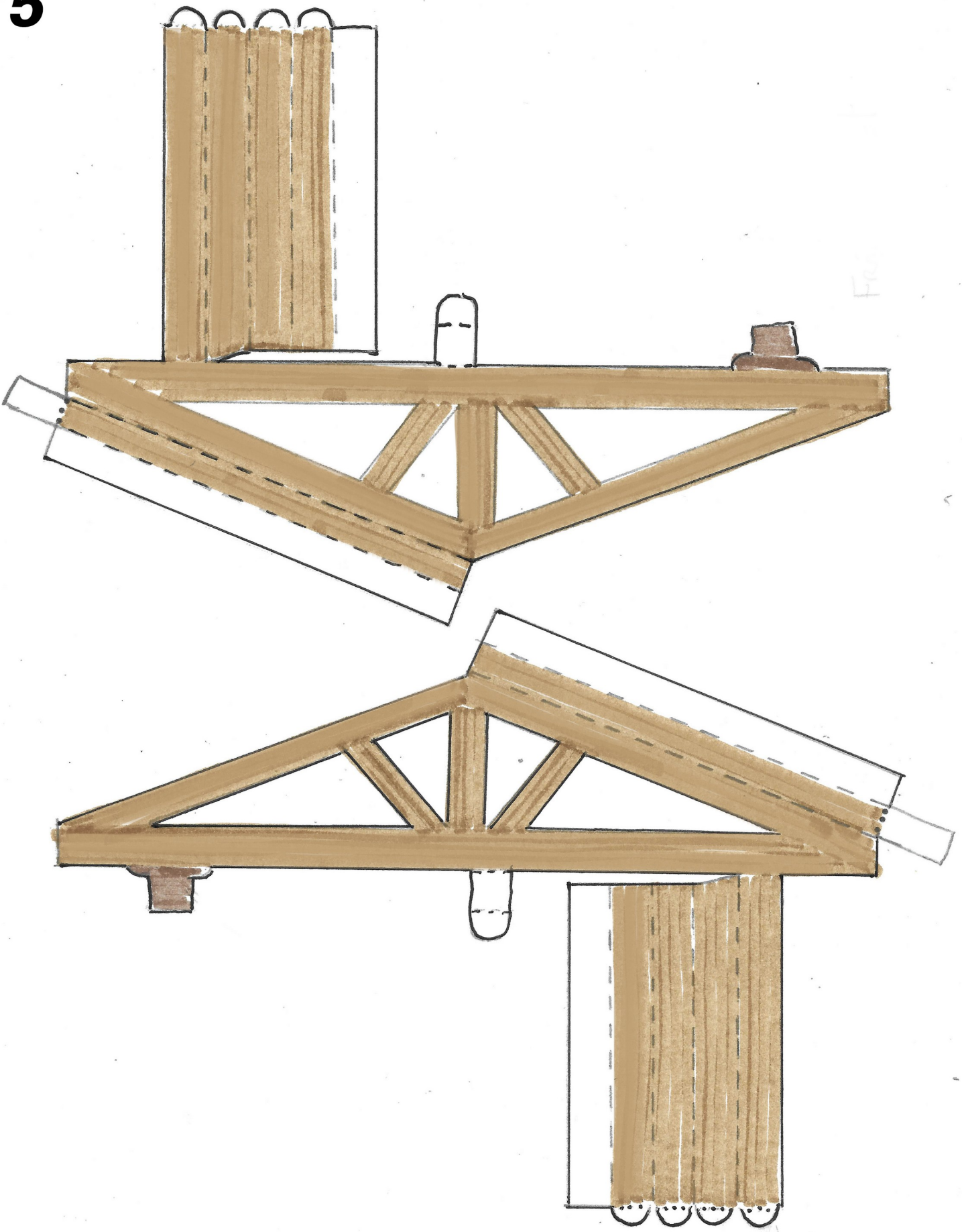
Tool wall

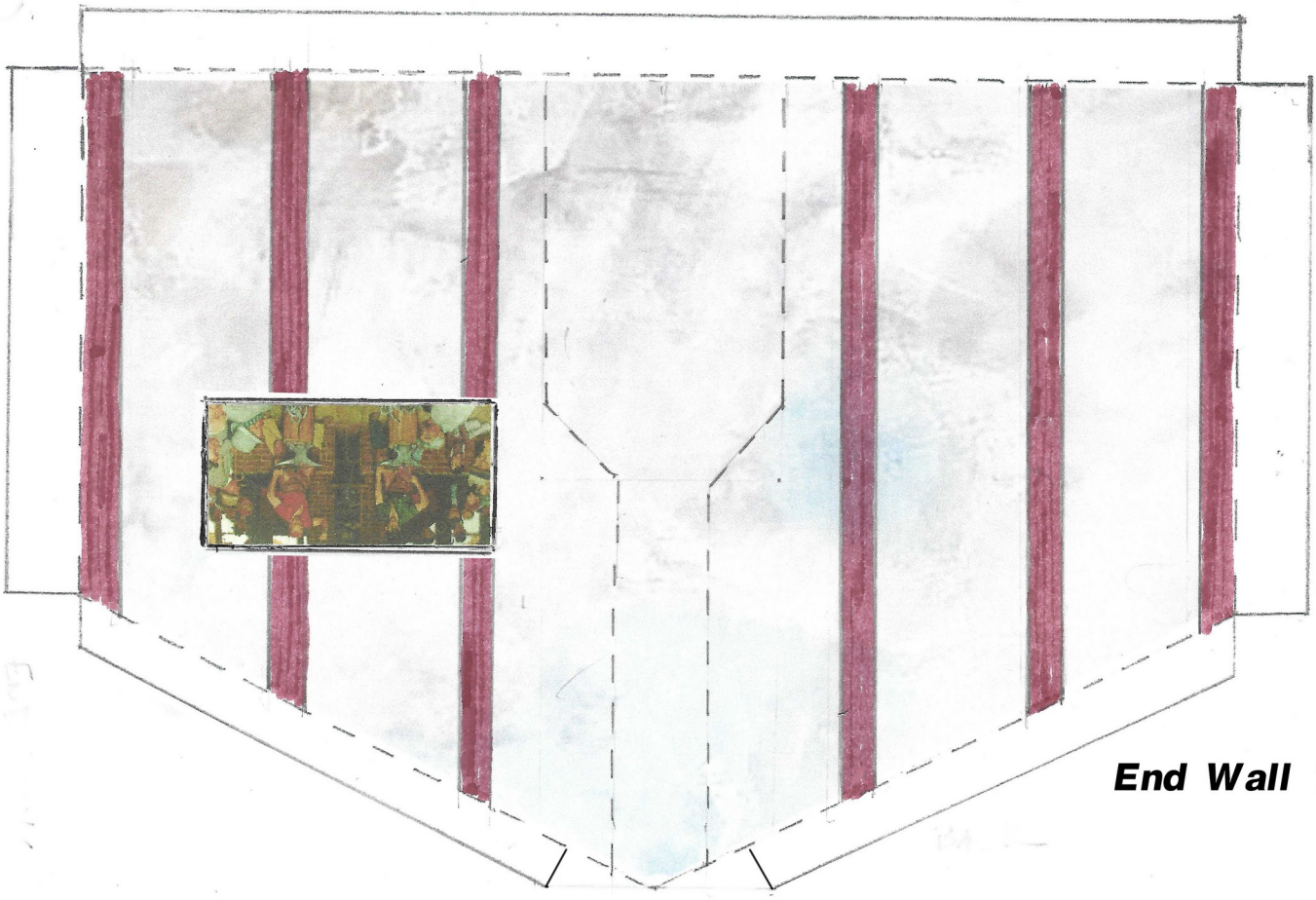


4



5

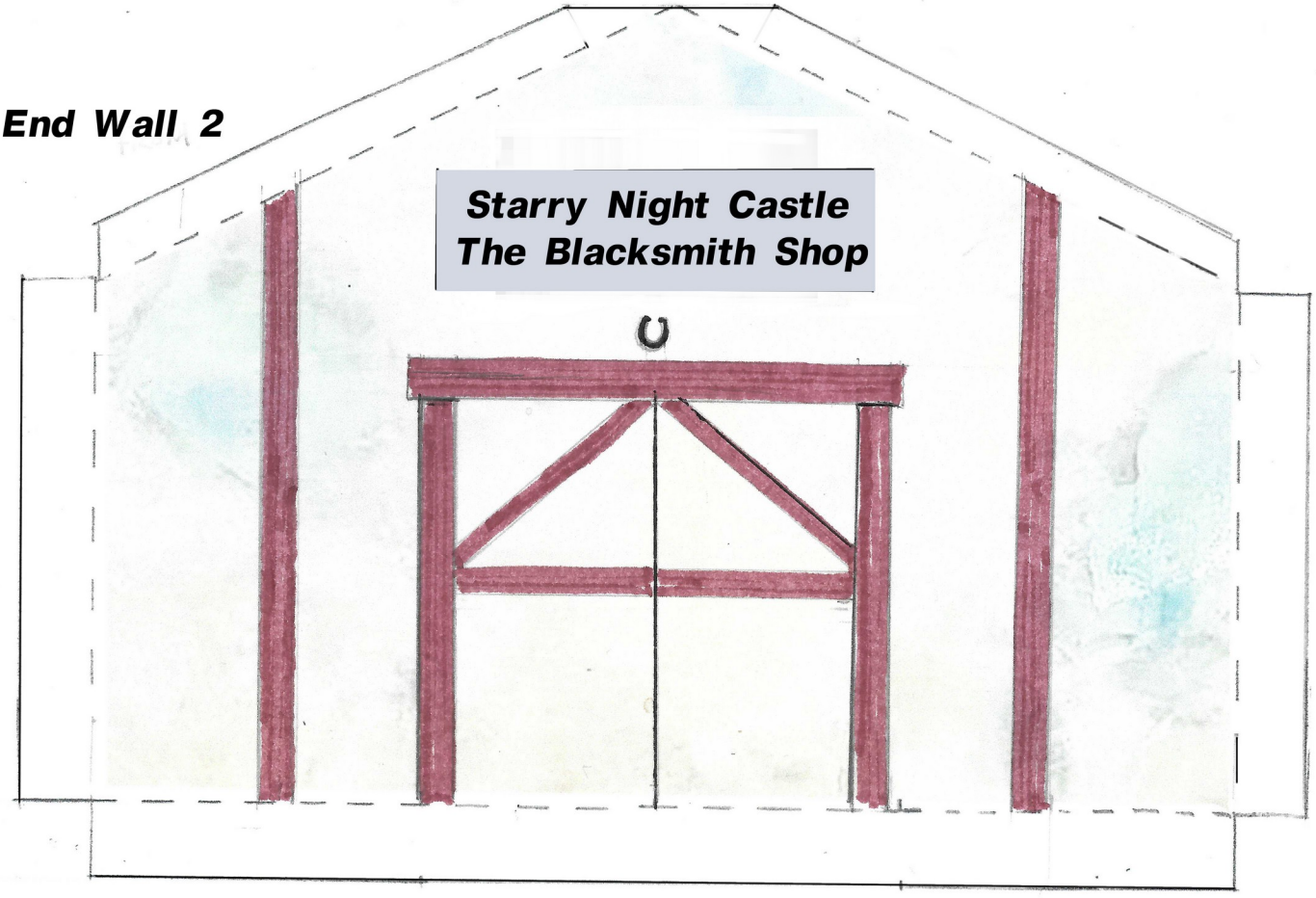




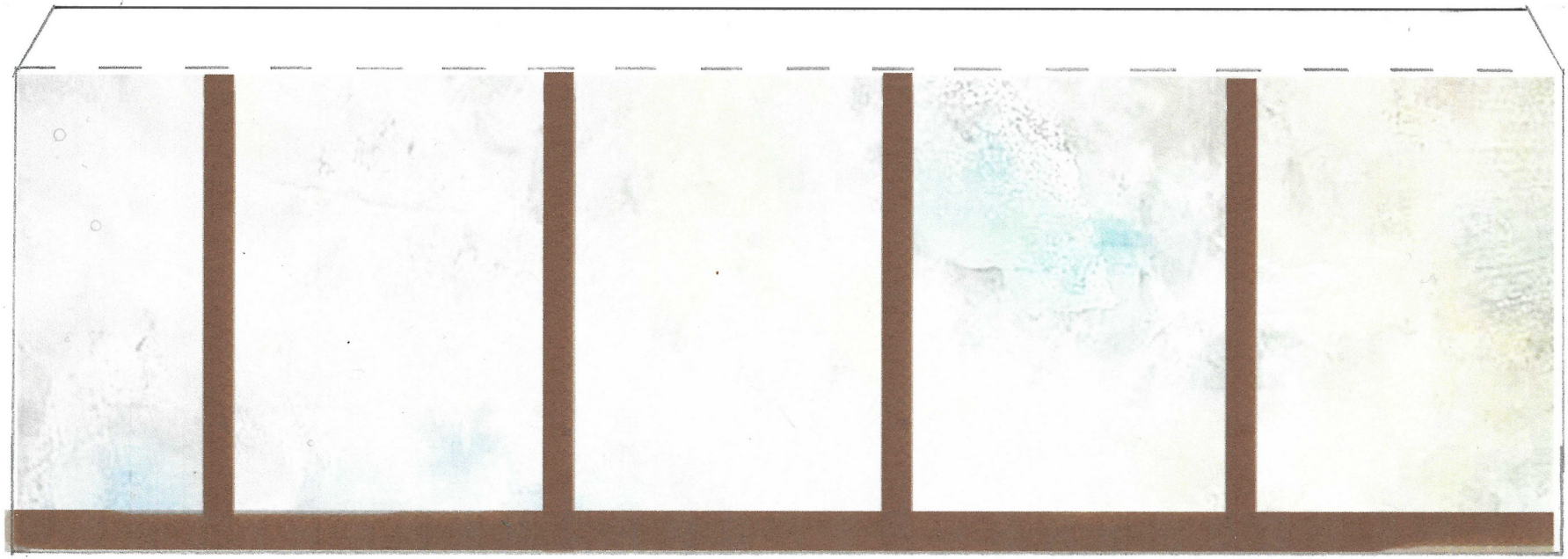
End Wall 1

End Wall 2

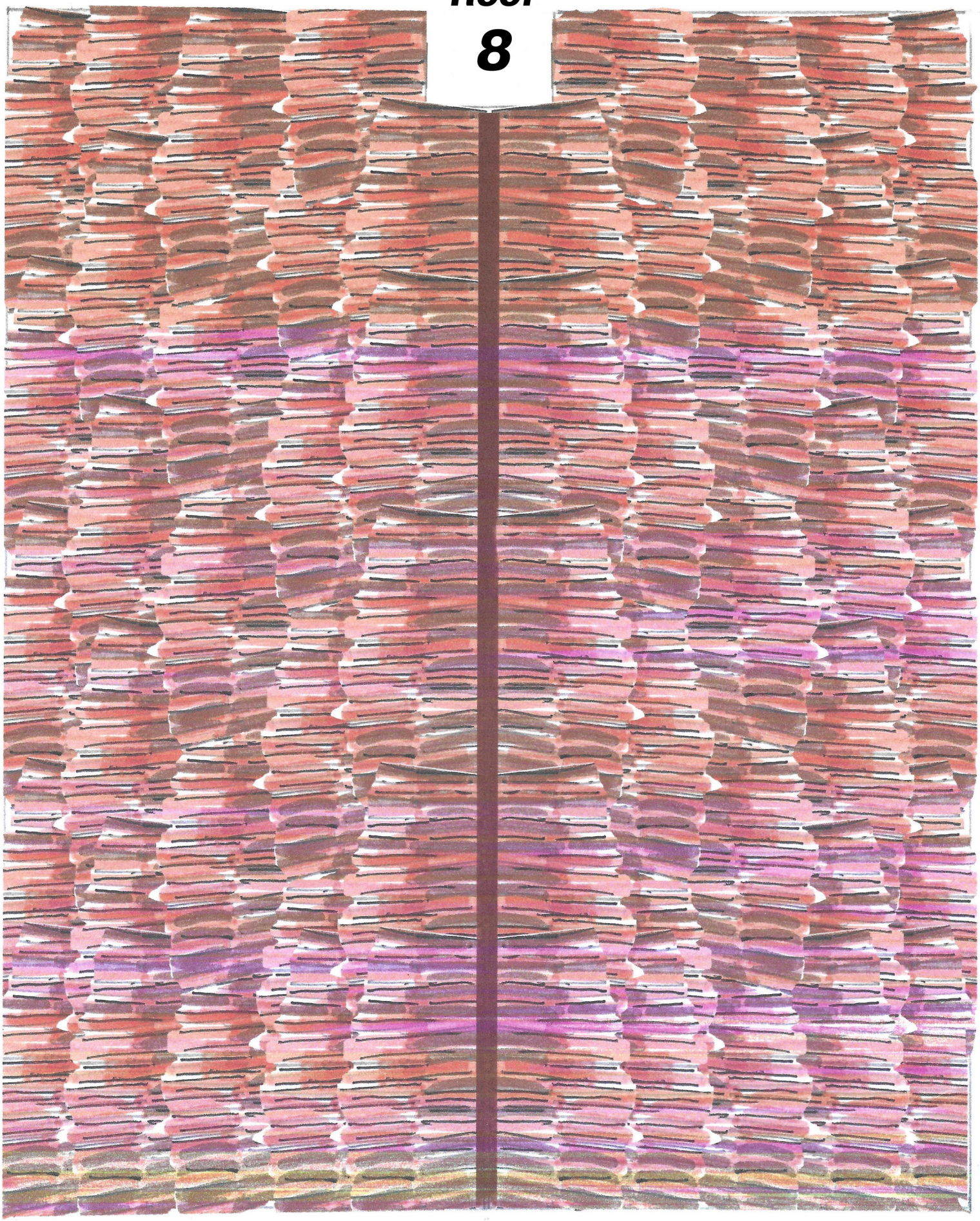
Starry Night Castle
The Blacksmith Shop



Side Walls



Roof 8



About this paper project.

Because you have purchased this product you have automatically contributed to the building of a castle.

You can learn more about that project and follow along in it's progress on the website here: www.StarryNightCastle.com

If you like this paper project you also might like the Paper Wine/Mead Cellar project.
It is available through various online shops. Go to StarryNightCastle.com for more information about this project and others.

LETS DO SOMETHING SPECIAL — YOU AND ME.
LETS BUILD A CASTLE. BIG AND BEAUTIFUL.

WE DON'T BUILD ANYTHING BEAUTIFUL ANYMORE.
EVERYTHING IS EFFICIENT AND FUNCTIONAL.
BUT NOT BEAUTIFUL.

LETS BUILD A CASTLE — YOU AND ME.
WE WILL MAKE IT BEAUTIFUL.
AND IT WILL STAND FOR A THOUSAND YEARS.

IT WILL BE A PLACE OF COMMUNITY
WHERE PEOPLE GATHER
TO LEARN, LIVE, LOVE, AND PLAY.

AND AT THE HEART OF IT WILL BE A CHAPEL
WHERE WE CAN PRAY
AND GIVE THANKS TO GOD
FOR THIS BEAUTIFUL GIFT OF LIFE
AND THIS BEAUTIFUL CASTLE

LETS DO SOMETHING SPECIAL — YOU AND ME.
LETS BUILD A CASTLE.

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