







# 3D Houses & Barns (In-the-Hoop)

Craft idyllic scenes in your home with 3D in-the-hoop houses and barns! Stitch each piece of this type of design in-the-hoop, then glue together using the embroidered tabs to assemble. If you like, you can add lights inside for a charming glow! This type of project is fun to create, and is a timeless addition to your decor. We'll show you how to make your own!

## Supplies

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### Project Needs & Notes:

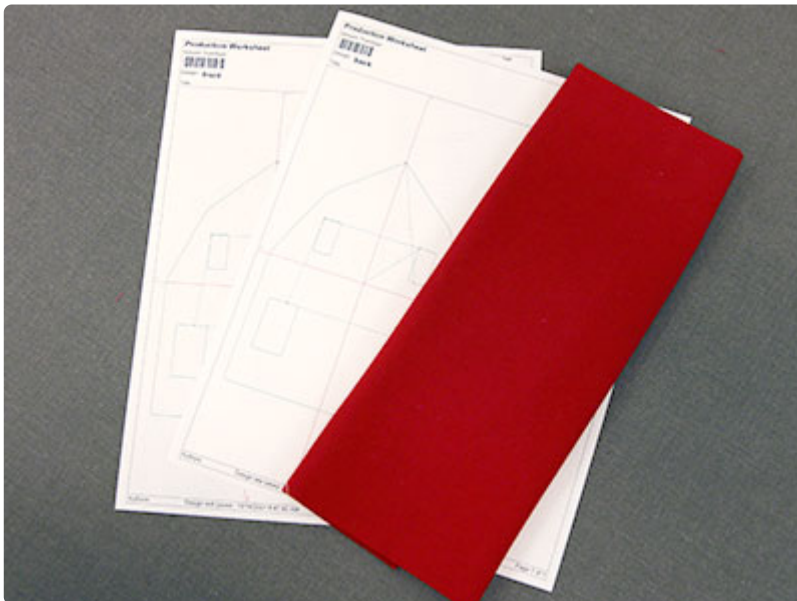
- 1/2 yard quilter's cotton, flannel, or similar fabric (for sides of barn)
- 1/2 yard quilter's cotton, flannel, or similar fabric (for roof and base)
- Temporary spray adhesive (such as Gunold KK100)
- Medium weight cutaway stabilizer
- Tear-away stabilizer



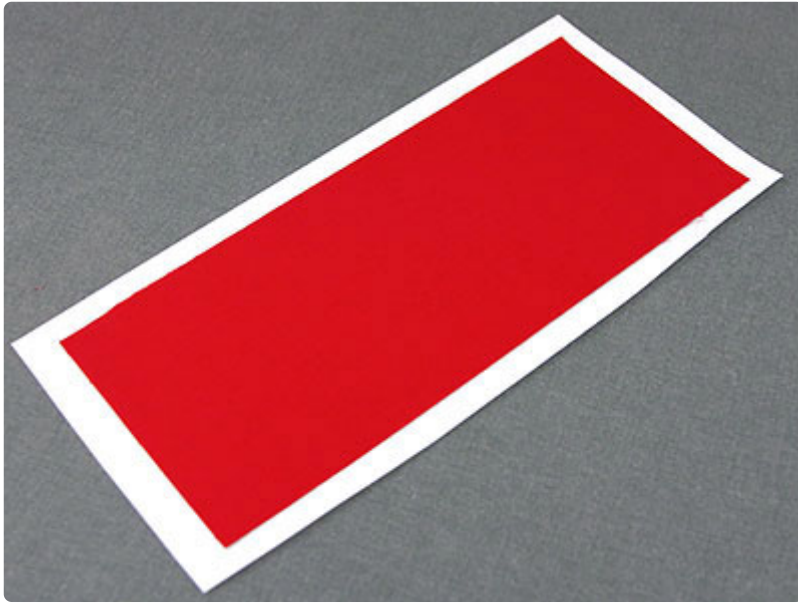
# Steps To Complete



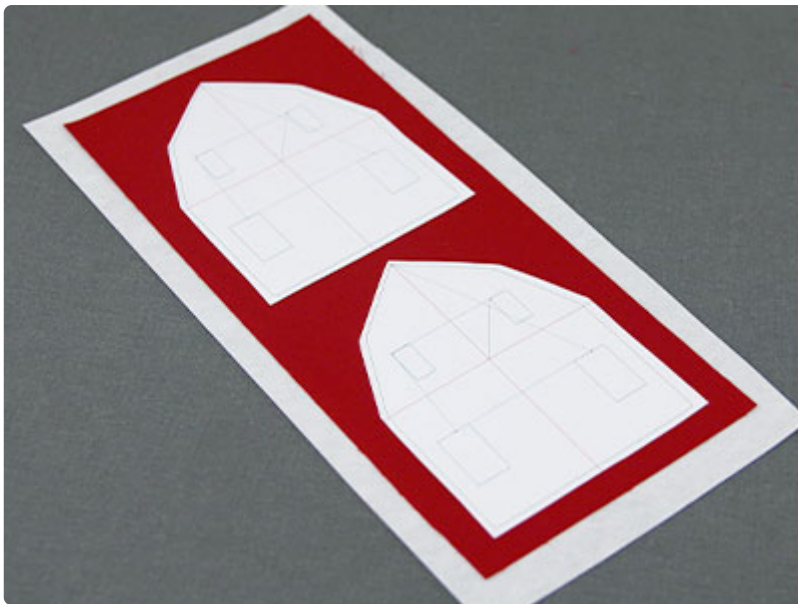
This type of in-the-hoop design has been specially digitized for tear-away stabilizer. After the stabilizer is removed, beautiful fabric and embroidery remains.



When you download a 3D barn or house design, you will find multiple files. Some are the embroidery files, and the others are dieline files marked with the letters "DL". Dielines are used to cut the fabric to the correct shape and size. Open and print each dieline file using an embroidery software. If you do not have an embroidery software, take a look at our [helpful video](#) on using dielines.



First, spray one side of a piece of cutaway stabilizer with temporary adhesive. Smooth the stabilizer onto the wrong side of all the fabric pieces.



Then, spray the backside of the printed dieline pieces with temporary adhesive, and smooth them onto the right side of the fabric. For this design, every fabric piece of every file needs to have cutaway stabilizer on them (do this for both the front and back pieces).



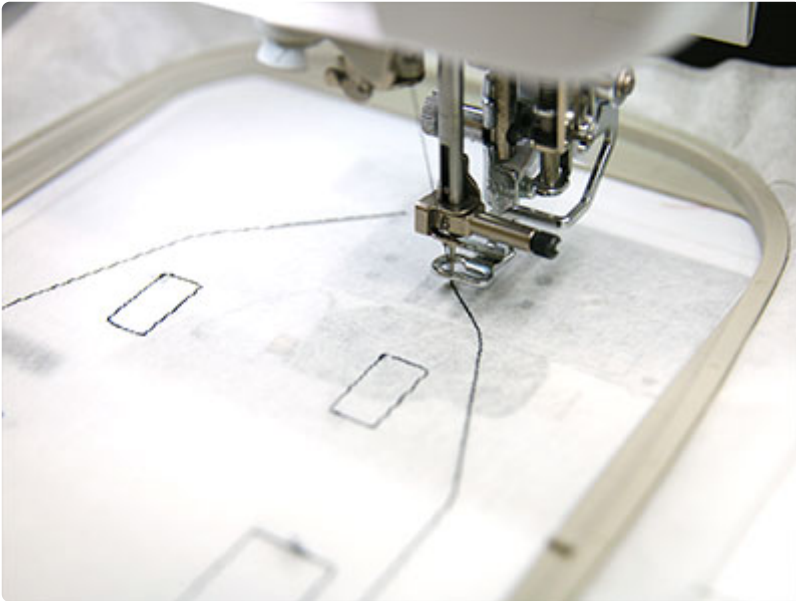
Cut the dieline shapes out of the adhered fabric and cutaway stabilizer. Some of the fabric pieces may have openings that need to be cut with a craft knife on a cutting mat. Cut these out as well, then remove the paper dieline.



Hoop a piece of tear-away stabilizer firmly. Make sure it is nice and tight with no wrinkles.



Attach the hoop onto the machine and load the first embroidery file (not the dieline files).



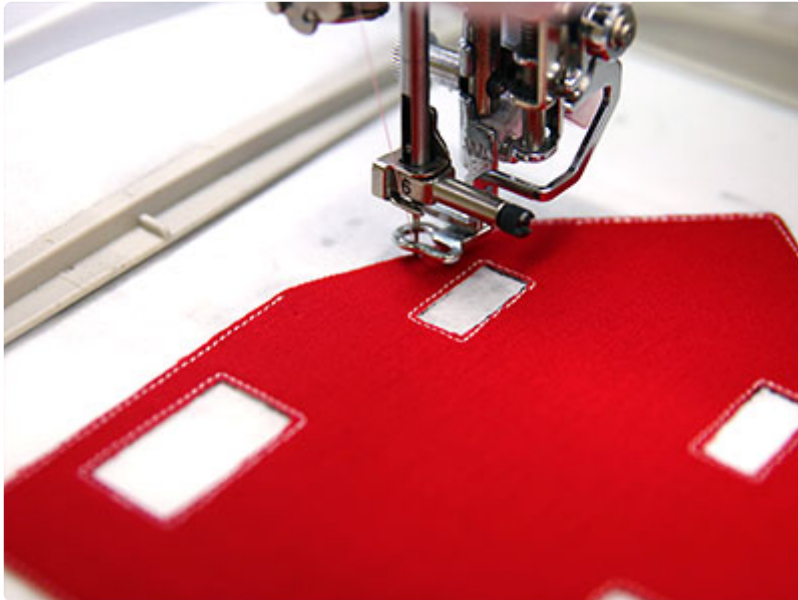
Use a 75/11 sharp sewing needle instead of an embroidery needle. The sharp sewing needle has a finer point and it will make smaller perforations in the stabilizer.

Now you can embroider the design! The first thing to embroider will be the "front piece dieline" (or outline stitch). This marks the area on the stabilizer where the fabric piece will be placed.



After the dieline has sewn, remove the hoop from the machine, but do not unhoop the stabilizer. Spray the stabilizer side of the front fabric piece with temporary adhesive. Smooth the front fabric piece onto the stabilizer inside of the sewn dieline.

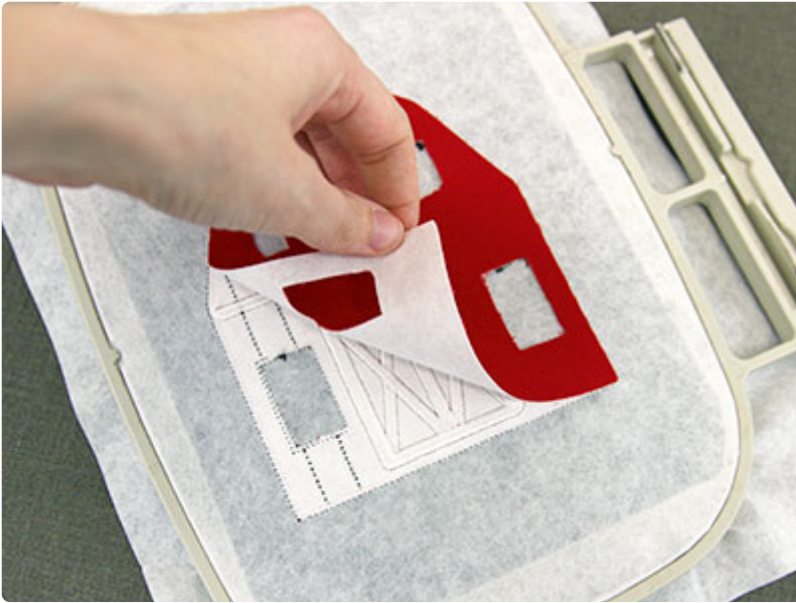




Then place the hoop back onto the machine and embroider the tackdown for the front fabric piece. The tackdown will hold the fabric piece in place for the remainder of the design.



After the front fabric piece is in place, all of the inner details of the embroidery will sew out. Stop before sewing the "back piece tackdown" step.



Before sewing the "back piece tackdown" step, remove the hoop from the machine and turn it over so the back side of the embroidery is facing up. Spray the stabilizer side of the back fabric piece with temporary adhesive, and smooth it into place on the back side of the embroidery.



Then place the hoop back onto the machine and embroider the "back piece tackdown" step. This will adhere the back piece in place on the back side of the hooped stabilizer. For this design, you only need to match bobbins if desired. The bobbin sides of the pieces will not be easily visible once the barn is assembled.



Follow the color change sheet to embroider the remaining tabs, windows, and finishing borders.



After embroidering, tear away the excess stabilizer. Also make sure to remove the stabilizer from any and all the window openings.

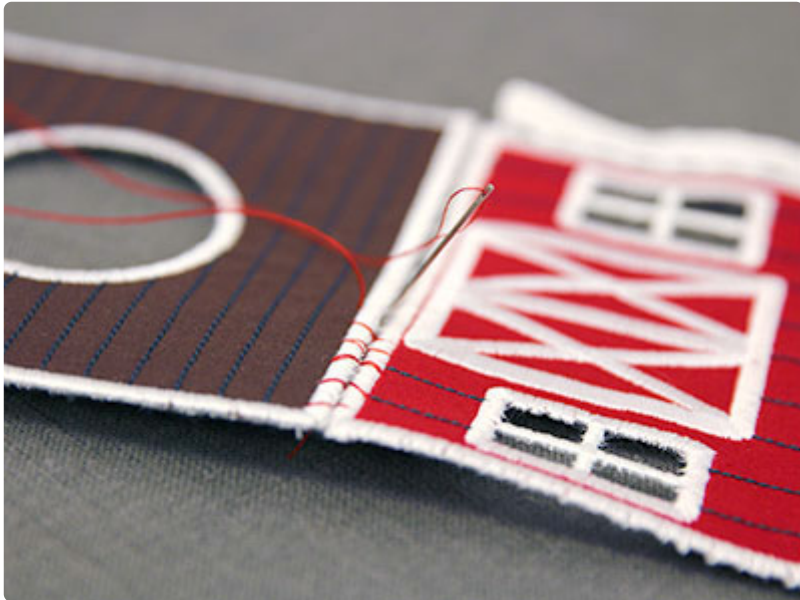




Many of the pieces have small openings between the fabric pieces and the embroidered tabs. Use a small scissor or tweezers to remove the small pieces of stabilizer from these small areas.



Repeat these steps to embroider all the pieces of your chosen design (files "a"-"g"). To make a completed house or barn, embroider two of the sides (file "c") and two of the lower roofs (file "g"). Make sure to place cutaway on the back of every fabric piece as it will make the pieces sturdy enough to hold themselves up when completed.



In this tutorial, our barn is designed to use glue and embroidered glue tabs for assembly. If preferred, however, you can hand sew all the pieces together in the same order as listed below. Simply use thread matching the embroidery, and sew the pieces together along the outer borders, ignoring the glue tabs.



To make gluing together your project as easy as possible, glue tabs have been added to the file. These will embroider with the rest of the design.



To use these tabs, simply apply a generous amount of hot glue on the tab. For best results, glue long tabs in small sections, so the glue does not dry faster than you can line up the pieces.

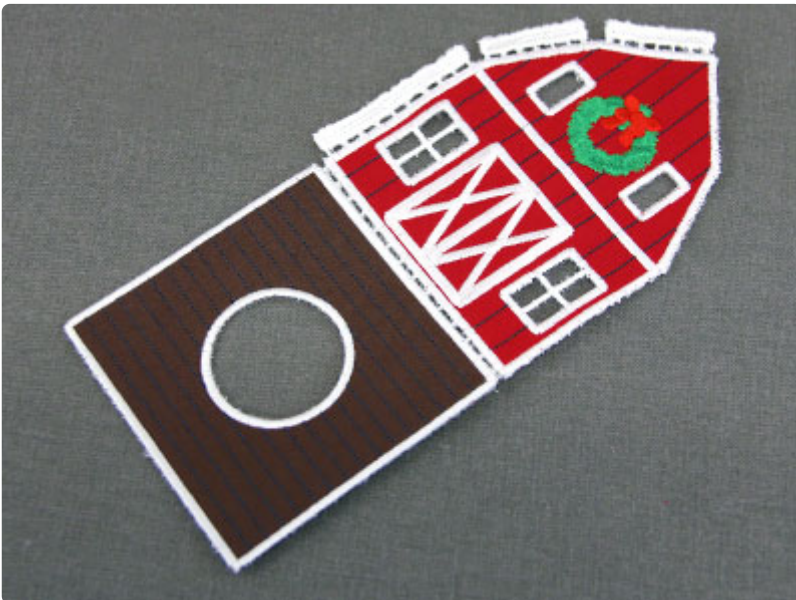


Once glue is on the tab, you will place tabs against the wrong side of the appropriate adjacent piece where it will not be seen. Make sure to line up the inner edge of the glue tab (the edge closest to the small connecting lines) with the outer edge of the other piece. This will leave a small gap between the pieces where you can see the small connecting lines. This gap creates a hinge of sorts and allows for the pieces to fold easily together. Always hold the pieces together until the glue dries.





To begin assembly, take the front piece (piece "a"), and place glue along the bottom tab.

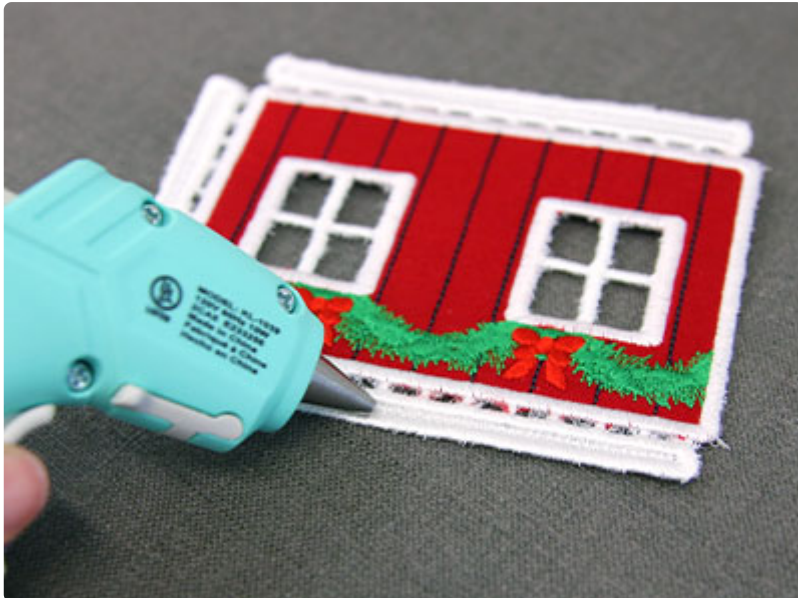


Then glue the front piece onto any of the four edges of the base (piece "d") with the tab glued on the wrong side of the base.

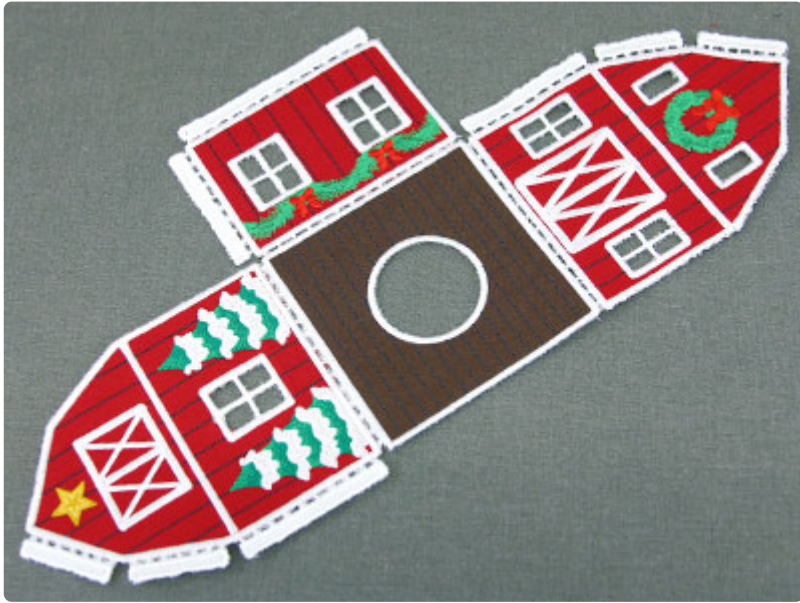
Make sure to line up the outer edges of the two pieces and leave a small gap between them to allow for folding. The right sides of the embroidery should all be facing the same way.



Repeat to glue the back piece (piece "b") onto the opposite side of the base from the front. Spread glue on the bottom tab of the back piece as we did with the first, and glue it onto the wrong side of the base. Match up the outer edges of the pieces, leave a small gap between the edges for folding, and make sure that the embroidery is all facing the same way.



Next, take one of the two side pieces (piece "c"). Place glue along the bottom tab of the side piece (closest to the garland detail).



Glue the side piece to either of the two open edges of the base (piece "d") with the tab glued onto the wrong side of the base. Make sure to line up the outer edges of the two pieces, and leave a small gap between them to allow for folding. Once again, all right sides of the embroidery should be facing the same way.



Repeat the above step to glue the second side (piece "c") onto the opposite side of the base (piece "d").





On the front piece (piece "a"), place glue on the bottom most side tab.



Fold up the front piece (piece "a") and the side piece (piece "c") that is adjacent to the glued tab. It is at this point that the building's 3D shape will start to take form.

Press the front piece's glued tab onto the back side of piece "c". As in previous steps, line up the outer edges of the two pieces and leave a small gap between them to allow for folding.



Repeat the previous step to glue the remaining lower tabs for both the front piece (piece "a") and the back piece (piece "b"), adhering those tabs to the appropriate edges of both side pieces (piece "c"). In the end, all four sides of the house or barn will be standing up.



To assemble the roof, start by placing glue on the top most side tab of piece "a".



Press the tab onto the wrong side of the short edge of the upper roof piece (piece "e"). The long upper tab of piece "e" should be facing the point of the roof.

In this step, it is very important that the edge of the roof piece being adhered to the glued tab of piece "a" lines up perfectly with the top point of piece "a". Leave a small gap between them for folding, and make sure the right sides of the embroidery face the same way.



Now take one of the lower roof pieces (piece "g"), and place glue on the long top tab.





Then adhere that tab onto the long, bottom edge of the upper roof piece (piece "e") that was previously adhered to piece "a".

As in previous steps, you will want to make sure the side edges match up and that you leave a small gap between the pieces for folding. The right side of all embroidery pieces should be facing the same way.



Next, place glue on the remaining side tab of piece "a".



Allow the roof to lay down naturally to see how it should sit over the front, back, and side pieces. Once laying well, press the glued tab onto the backside of the lower roof piece (piece "g") and secure it in place. As always, make sure to leave a gap for folding.



To secure the other side of these roof pieces, first place glue on the remaining short tab of the upper roof piece (piece "e"). Press that tab onto the wrong side of the back piece (piece "b").

Like before, it is very important that the top edge (not the tab) of the upper roof lines up with the top peak of the back piece. Make sure to leave a gap for folding.

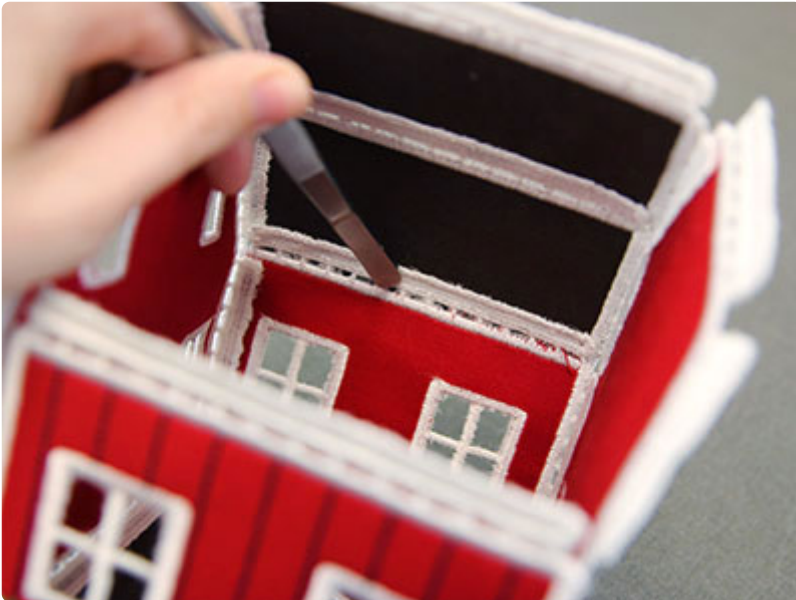


Then place glue on the remaining lower roof tab (piece "g"). Glue that tab onto wrong side the back (piece "b") as well. Allow the roof to fall naturally when positioning, and leave a gap for folding.



Next, look inside of the house or barn and locate the top tab of the side piece (piece "c") that is below the roof pieces. This tab glues onto the wrong side of the lower roof (piece "g"), and adds structural integrity to the finished project. Place a 2-3 patches of glue across the tab. It does not need glue all the way across.





Press the tab against the lower roof piece (piece "g") until dry. For best results, press on the tab from both inside and outside at the same time. If it's hard to reach the tab, use a long thin tool like a tweezers or paintbrush to hold it in place inside the building.



To add the other half of the roof, place glue on the upper tab of the back piece (piece "b"). Glue the tab onto the wrong side of the upper roof piece that does not have a top tab (piece "f"). Again, make sure to match up the top edge with the top peak/point of the back piece, and leave a gap for folding. All embroidery should be facing the same way.



Then, place glue on the top tab of your second lower roof piece (piece "g"). Adhere it to the lower edge of the upper roof piece (piece "f"). Make sure to match up the side edges, and leave a gap for folding. Also make sure the embroidery is facing the same way.



Place glue on the remaining tab of the back piece (piece "b"). Allow the roof to lay naturally, and press the tab onto the back of the lower roof piece (piece "g"). Make sure to leave a gap for folding.



Then, place glue on the two short tabs found on the upper roof piece (piece "f") and the lower roof piece (piece "g"), and adhere them to the front piece. Glue the upper roof first, matching the edge with the top peak of the front piece before gluing the lower roof piece. As always, leave a gap for folding.



The top tab of the side piece (piece "c") below these roof pieces can be hard to reach. Lay the barn on its side, and gently press down to create an opening where you can see the top tab. Place 2-3 patches of glue on that tab.





Press the tab against the lower roof piece (piece "g") until dry. For best results, press on the tab from both the inside and outside at the same time. If it's hard to reach the tab on the inside, reach with a long thin tool like a tweezers or paintbrush through the upper or lower openings to hold it in place inside.



Place glue on the top tab of the upper roof piece (piece "e").



Press that tab onto the wrong side of the opposite upper roof piece (piece "f"). This will close up the top of the roof. Pinching the two roof pieces together, or pressing on the tab with a long tool through the bottom opening, can help the tab adhere all the way across. Make sure to leave a small gap for folding.



The large round opening in the base (piece "d") is used to place an electric candle or fairy lights inside your finished house or barn. Make sure to use only electric or battery powered lights. Do not use actual flames as the fabric is flammable.