

6" Round Fieldstone Tower

This page contains instructions on how to use **mold #73 to build the round fieldstone tower**. You will have to **cast the mold 24 times** to build the tower. I know that sounds like a lot of castings but this is a **big tower**.

This round tower is **slightly more difficult** to build than the average model. The pieces are easy to cast and the plans are easy to follow, but the difficulty lies in **keeping the tower round**.



About Mold #73

Some of the pieces on this mold (such as the arrow slits) are **difficult to cast without air bubbles** in the pieces. The best method of casting these pieces is to use the **"wet water"** method shown on the Advanced Casting

1. Instructions page.

Using this method, most of the air bubbles will be eliminated giving you nearly perfect castings.



Now to describe the pieces on this mold.

2. Connect the numbers on the mold to the blocks.

This will show you which pockets in the mold will make certain blocks.

<p>6" flat blocks</p> <p>Floor tiles</p>	<p>6" regular blocks</p>	<p>6" small blocks</p>
<p>Stair pieces</p>		<p>7" regular blocks</p>

This photo shows the location of the **arrow slit block** and **decorative pieces**.

3. The **decorative teeth braces** can be place a couple of ways. You can place 4 of them on a section of the 6" wall, or you can place 4 of them with the large decorative teeth in between on a 7" wall.

The **top crenellations** can be spaced apart whatever distance you want on either diameter of wall.

<p>Arrow slit blocks</p>	
<p>7" circle 6" circle</p> <p>Tooth shaped braces</p>	<p>7" circle 6" circle</p> <p>Decorative top pieces</p>

The last piece shown is the **transition piece**.

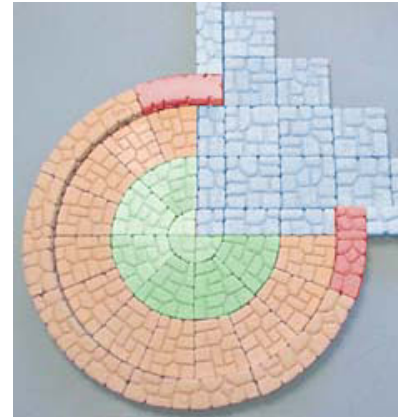
4. You could make this piece yourself by gluing a curved block to a square block, but you would have a seam down the middle.

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This **transition piece** allows you to attach a curved wall to a straight wall with no obvious seams. The **blocks shown in red** are the transition blocks. The blocks shown in **blue** are from mold #70 and #260. The **blocks shown in green** are from mold #72.

5.

You'll have to **flip one of the transition blocks upside down** to get this to work. You won't see it because the next layer of blocks will alternate with regular circular and straight blocks.



I'm sure some of you will be disappointed that the **center floor tiles** (shown in green) were not on this mold. I really tried, but there was **no extra space** on the mold for them. I could have dropped some of the other decorative pieces, but then the tower would have looked very plain without them.

6.

Since you **need very few center tiles** (compared to the rest of the blocks), people would have had **lots of these center tiles left over** if I had added them. My assumption was that if anyone wanted use the mold for a variety of other projects, they would most likely have mold #72 as well.

Building Instructions

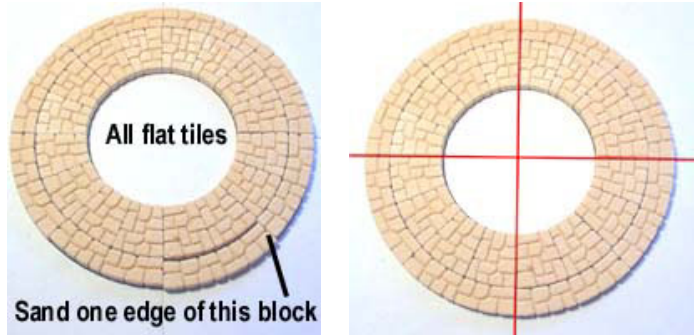
You will need to **cast this mold 24 times** to have enough blocks to build the circular tower. Be sure the blocks are **completely dry** before gluing them together.

When you order this mold, I'll send you a print out of the **building plans**. It shows the exact position of every block in each row. You can also **download the plans** from the Building Plans Page and print them out yourself. You'll want the plans labeled **"6" Circular Fieldstone Plans"**.

The building plans will have a full-size layout that you can place the blocks directly on.

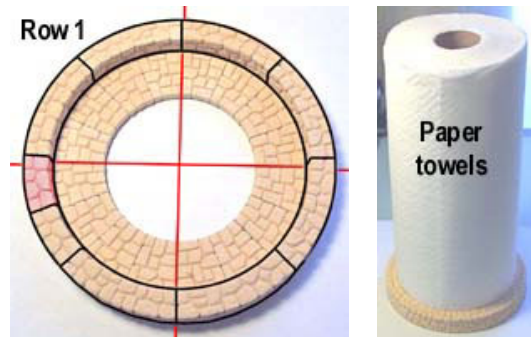
1. Start by **gluing the floor tiles together** but **don't glue them down to the layout!** We will need to use this layout sheet several more times.

The outside ring of tiles will be a **little large**, so sand one of the ends and it will fit correctly.



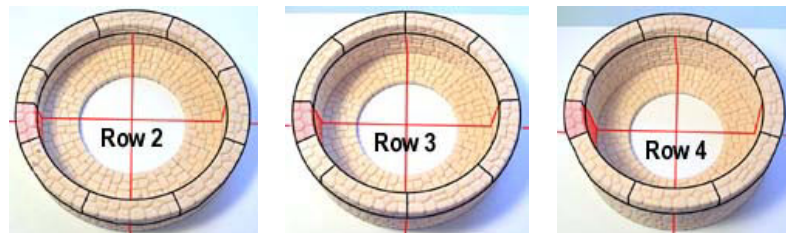
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2. **Here's row 1. Do not glue the block shown in red!** This block is used to hold the place of the doorway and it will be removed once the glue dries.

To help keep the tower round, **place a roll of paper towels inside of the tower.** You may to remove a few sheets to get the diameter small enough to fit. As you assemble and glue the remaining rows, **leave the paper towels in.** This will help all of the rows line up and keep your tower circular round.

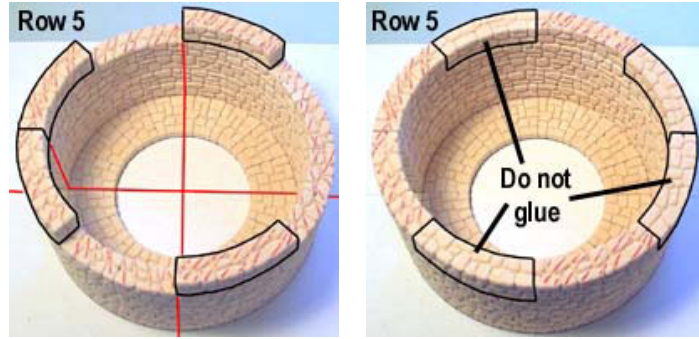


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3. **Leave the paper towels in** while you're gluing the rows on.

Here's row 2, 3 and 4. The blocks **shown in red** are small blocks used to hold the place of the doorway. **These blocks will be removed** once the glue dries.

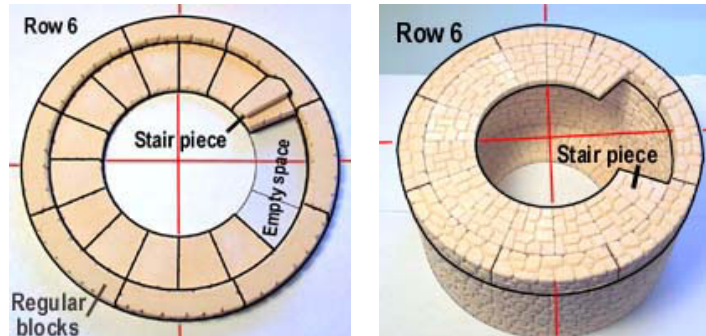


4. **Here's row 5.** Only glue down the blocks in the first photo. We want this tower to come apart in sections, so we will only glue certain blocks. I drew lines on these blocks with a marker to remind me **not to glue any blocks to this surface.**



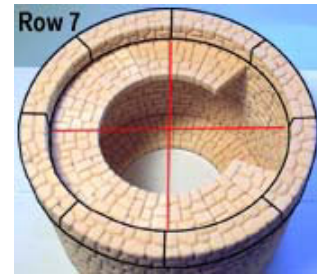
Complete **row 5** by setting the blocks on but **do not glue them down!**

5. We're going to assemble **row 6 upside down.** Glue these blocks together but **not to the layout sheet.** Make sure this row is **completely dry** before you try to move it.



Flip this row over and glue it onto the tower but **do not glue where the marked lines are!** Remember, you want to remove this section later on.

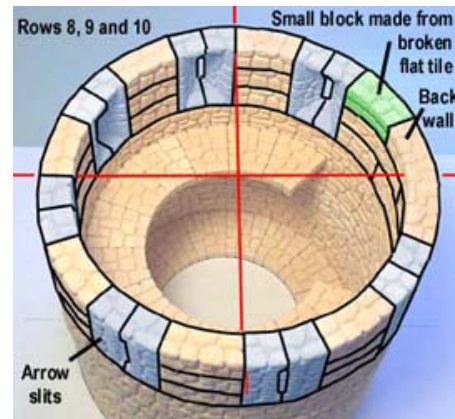
6. **Remove row 6.** Lay the tower on its side. Glue 5 step pieces together but **do not glue them to the wall!** We'll glue the stairs into position **after we paint the model.**



Row 7 is pretty simple. Just glue the blocks down as the photo shows.

Here's **row 8, 9 and 10.** The **arrow slits** are shown in blue.

7. If you cast the mold **exactly 24 times** you will end up **missing one of the small regular blocks.** To fix this, simply **snap one of the long flat blocks in half** and stack the pieces. This represents what the **green block** is.

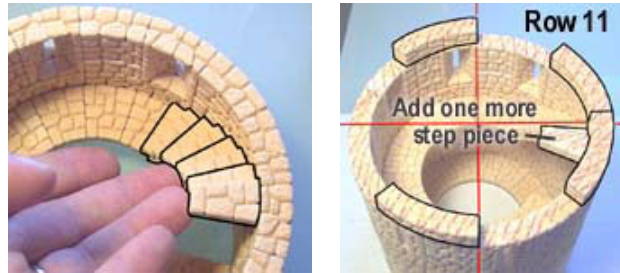


Here's a photo of the **back wall.** I added it here so you can get a good look at what blocks make up this solid area. It needs to be solid because a **staircase will eventually go here.**



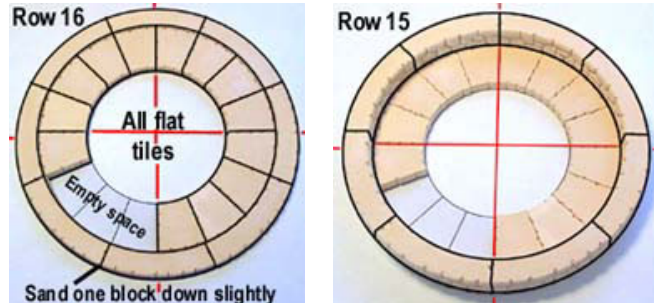
This part takes a lot of patience. **Glue the step blocks in** as shown. You will have to **hold them in place** until they dry, about 5 minutes.

- Be sure the **top of each step section** lines up with the **top of each row**. Then glue on **row 11** and mark the blocks (and step piece) as shown. This will **remind you where not to glue** for the next row.



For the final levels of the tower, we'll **work from the top down** starting with **row 16**. Glue these flat blocks together upside down, but **not to the layout sheet**.

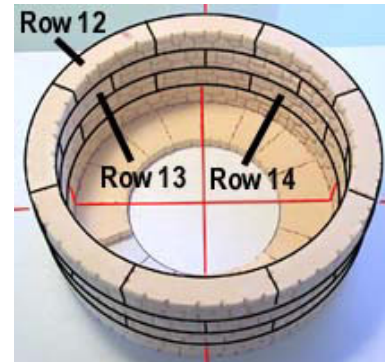
- Sand the edge** of an outside block to make the outside circle slightly smaller, **just like we did in step 1**. Add **row 15** with the blocks **upside down** as the photo shows.



This photo shows **row 14, 13 and 12**.

- Just glue the blocks in an alternating pattern like you have been doing. Also be sure that you're gluing the **blocks on upside down** as the photo shows.

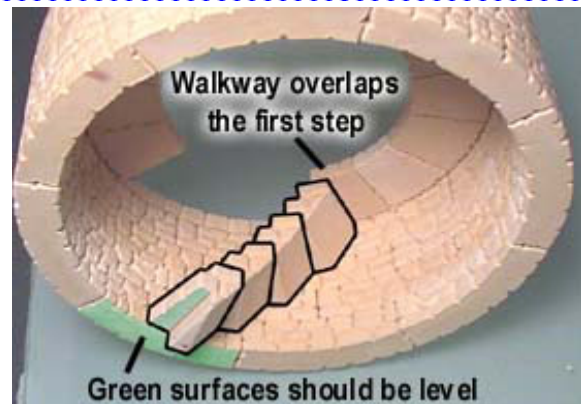
Let this section **dry completely!** Once dry, we will have to turn this section onto it's side to put the stairs in.



Place the tower **on its side** with its smooth surface facing you. Glue **4 step blocks** inside the tower, making sure that the **first step** gets overlapped by the walkway tiles as shown in the photo.

- Be sure that the **last step** gets positioned so that the **green surfaces are level** with each other. This will ensure that the stairs will seamlessly mesh with the tower section below.

Let the **steps dry completely!**

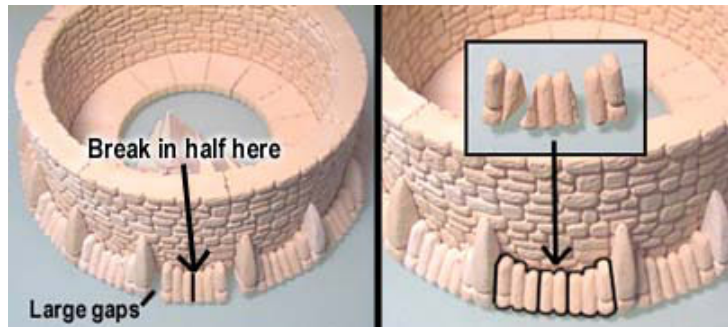


Lay the tower section down again (rows 15-12). Place an alternating ring of large and small teeth around the outside of the tower. **Here's where I screwed up.** The teeth should have lined up perfectly, but instead there are **gaps on one side.** I was sure they lined up correctly while testing the pieces.

This is fairly easy to fix. Take one of the **small tooth sections and break it in half.** This is easy to do just using your hands.

Now **break another** small tooth section into thirds as the small photo shows. Use a hobby knife to trim down any excess.

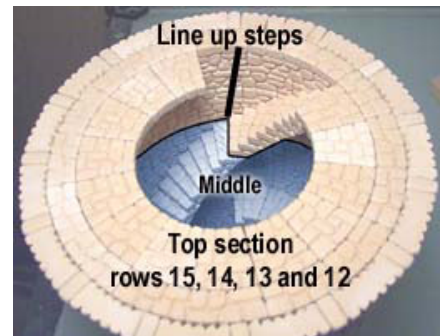
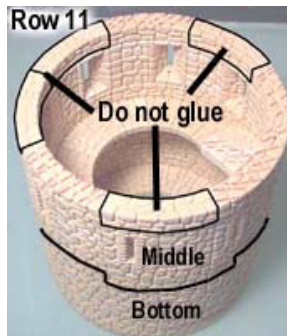
12. Place the middle third from one tooth block in between the two halves of the first tooth block to fill the gap in that section.



This part is very tricky. **Remember row 11?** We had glued a few blocks down, but hadn't completed the row.

13. Place blocks down to fill up the row but **do not glue them down!**

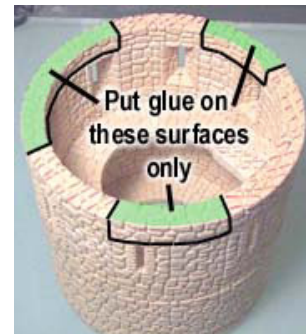
Temporarily **set the top section on** so that the stairs join together properly.



Using a marker, **draw a line down the side.** This will help you line up the sections quickly once you apply the glue for the final fit.

14. Apply **glue to the loose blocks on row 11 only.**

Now **set the top section back on** so that your mark lines up. This will glue the loose blocks to the top section and **the steps should line up.**



Now that the top is back on the tower, glue **row 17** on. It's a **ring of 7" block**.

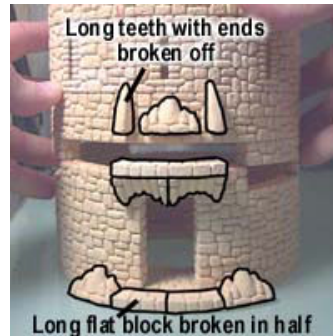
15. **Row 18** (the very last row), uses the top decorative teeth for the crenellations. I **centred these teeth over the arches**, but you can space them out as you like.



The door dressings are optional. You don't have to add them if you would prefer a simple opening in your tower.

16. The bottom is a **flat tile snapped in half** along with **two top decorations**.

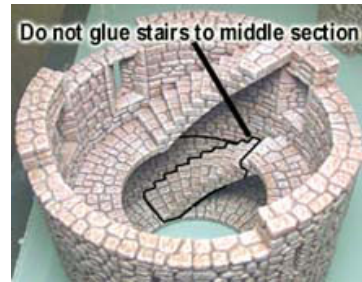
The **long teeth on the top** have the ends broken off so they're not quite so long. Also take note on which section of the tower these pieces are glued to.



Here are the finished pieces to the tower. **After you paint the tower**, glue the stairway to the bottom section of the tower.

- 17.

Be sure you **don't glue it to the middle section** or you won't be able to get the tower apart again.



Here are a few photos of the finished tower. The first photo shows a close-up of the doorway. The second photo is what the inside of the tower looks like when you remove the top section.

If you like, you can use the floor tiles from mold #72 to fill in the roof, so you don't have a hole in the center. The orc figures are from Games Workshop(TM). The other figures are from Holistic Design(TM).

