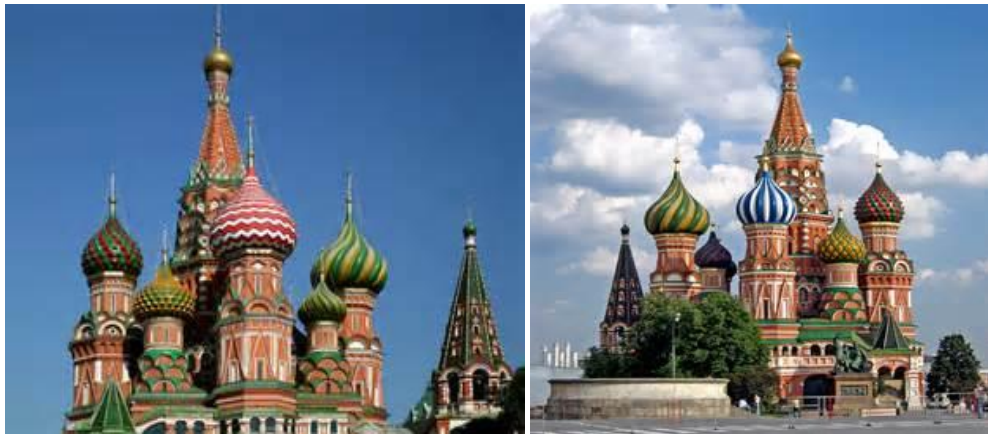


Personal CAD Project: St. Basil's Cathedral

For my personal CAD project, I chose to build a replica of St. Basil's cathedral. I chose to make this cathedral for two reasons. The first is because it is in Moscow, Russia, which has personal significance to me. This is because three of my siblings were adopted from Russia. And second reason is because it is a beautiful church that has a unique orthodox design that includes many colors on the domes and in the architecture. While this project took a lot of time to create, I had a lot of fun making everything from the multiple domes with little crosses on top of each all the way to the different designs for nearly every tower. For the most part, I tried to replicate the pictures I found online as best I could, but there were times where I did add in my own designs.

Pictures of St. Basil's Cathedral in Moscow, Russia

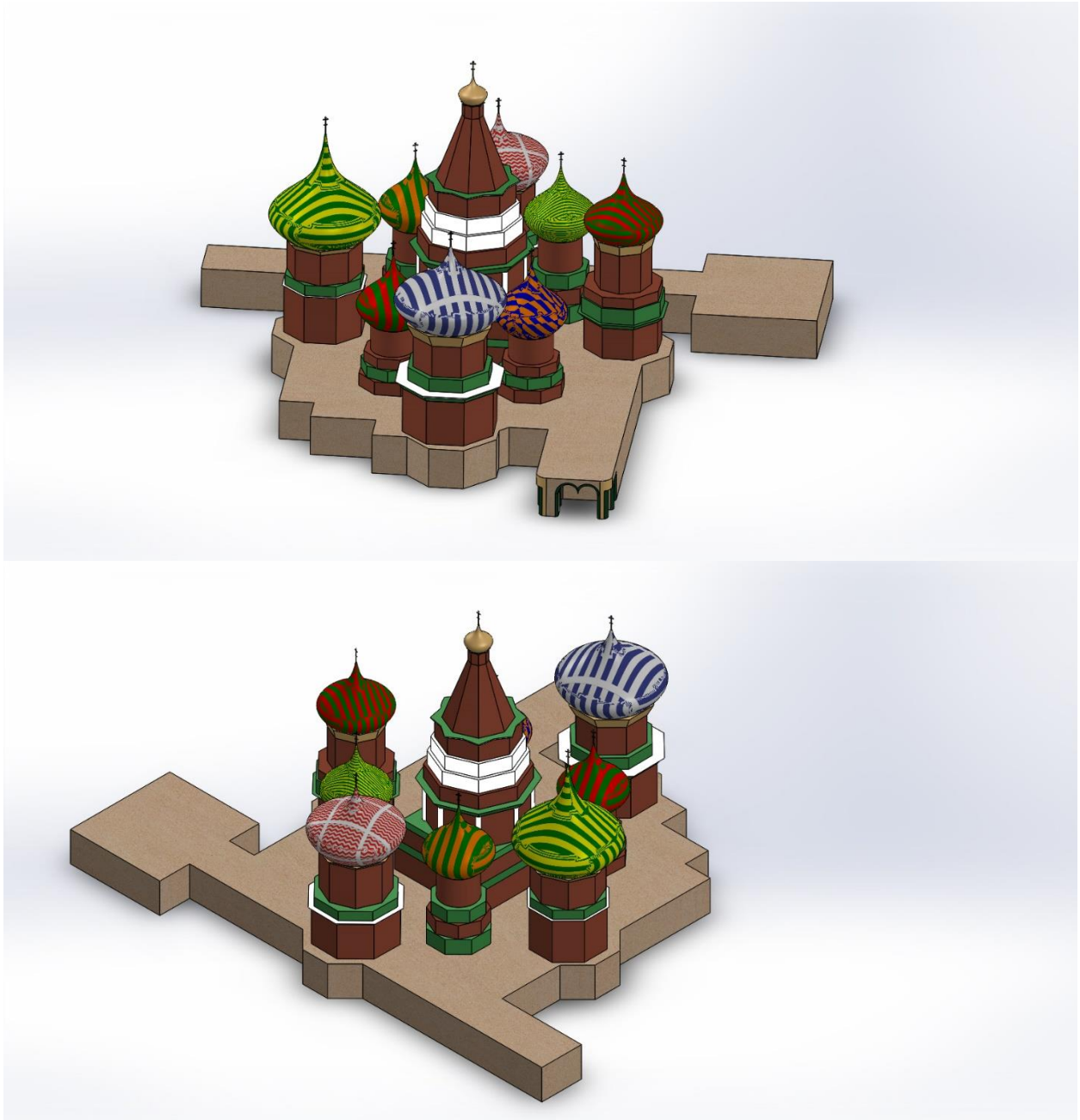


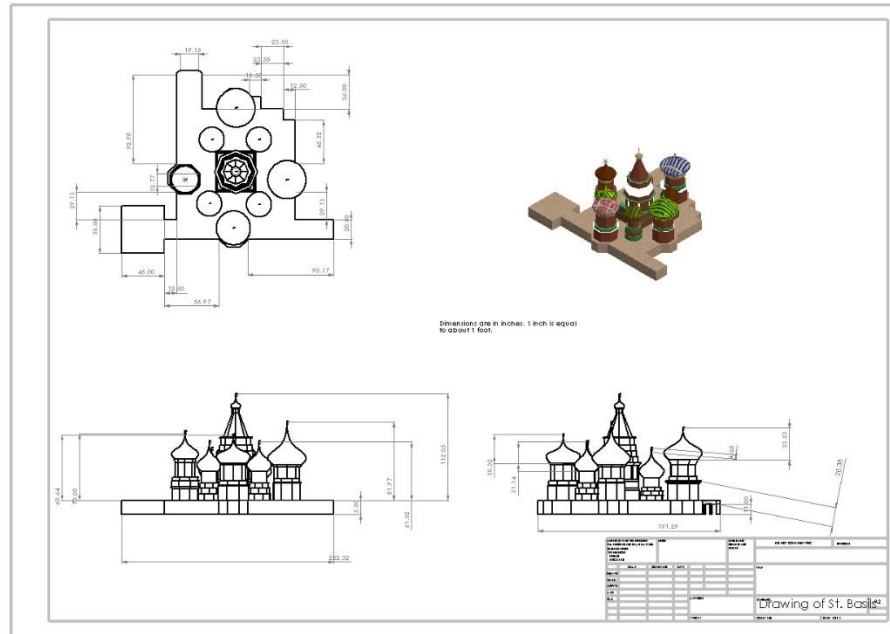
- Picture 1: <http://www.ogrensek.com/st-basils-cathedral.html>
- Picture 2: <http://www.wondermondo.com/Countries/E/RUS/Moscow/StBasils.htm>

I loved working on this project and I actually wish I could work on it longer because I was only barely able to start on the details of the architecture. There are hundreds upon hundreds of little tiny details all over the structure that would have taken a lot of time to make on SolidWorks. I think the hardest part was making the domes look like the domes on the real cathedral. The color schemes didn't fit very well on the domes, giving it a somewhat warped look. But other than the colors, I think that with all that SolidWorks can do, my project came out quite nicely. Solidworks as a program can be hard to work with at first, but after I used it for

awhile, the various tools on the program were very helpful in making my project. Overall, I believe my version of St. Basil's Cathedral on SolidWorks turned out very well, even without all the small details. Below are pictures of my design both in a picture and in a drawing form.

Pictures of CAD St. Basil's Cathedral: Pictures and Drawing





- Drawing can be hard to read, dimensions are in inches, 1 inch is equal to 1 foot.

In the pictures above, the first two pictures are two different isometric angles of my project. The first is of front of the building and the second is of the back. The third is the drawing form of my design. This includes dimensions and an estimated unit scale of St. Basil's Cathedral.