

Chris Chesko

cwc5426@psu.edu

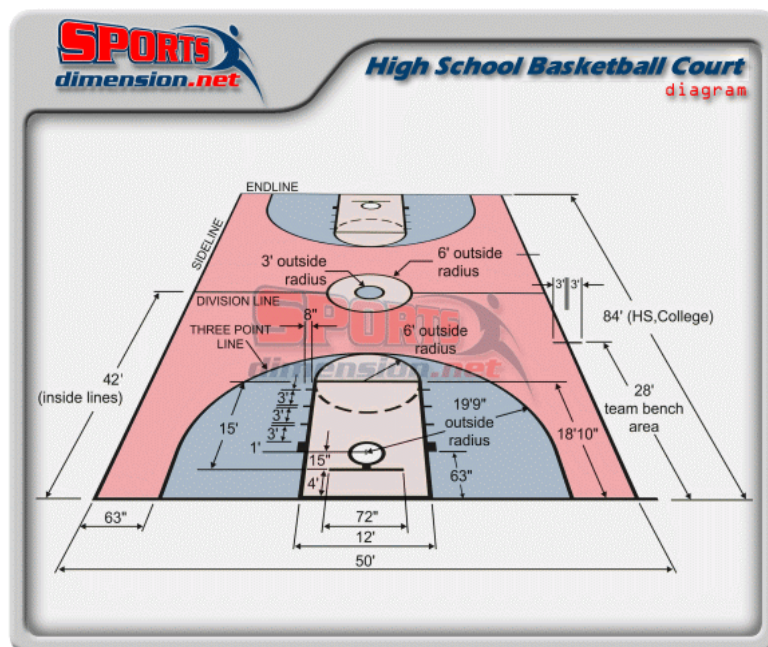
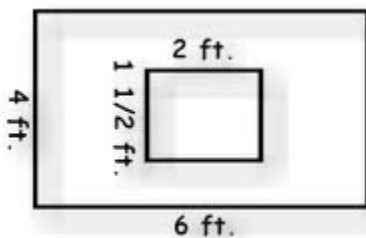
Pennsylvania State University

College of Engineering

EDSGN 100 Fall 2012

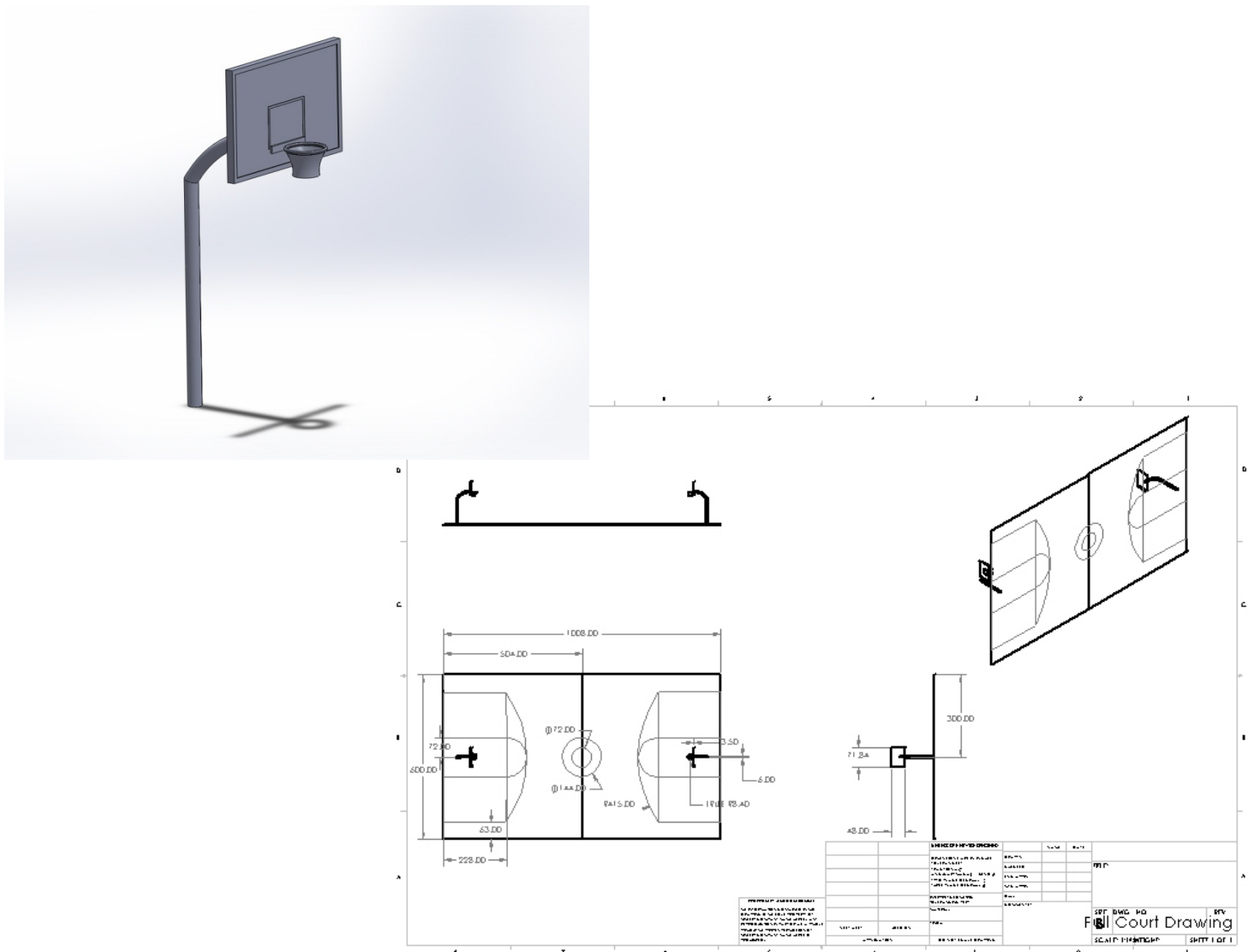
Personal CAD Project: The Full Court Finale

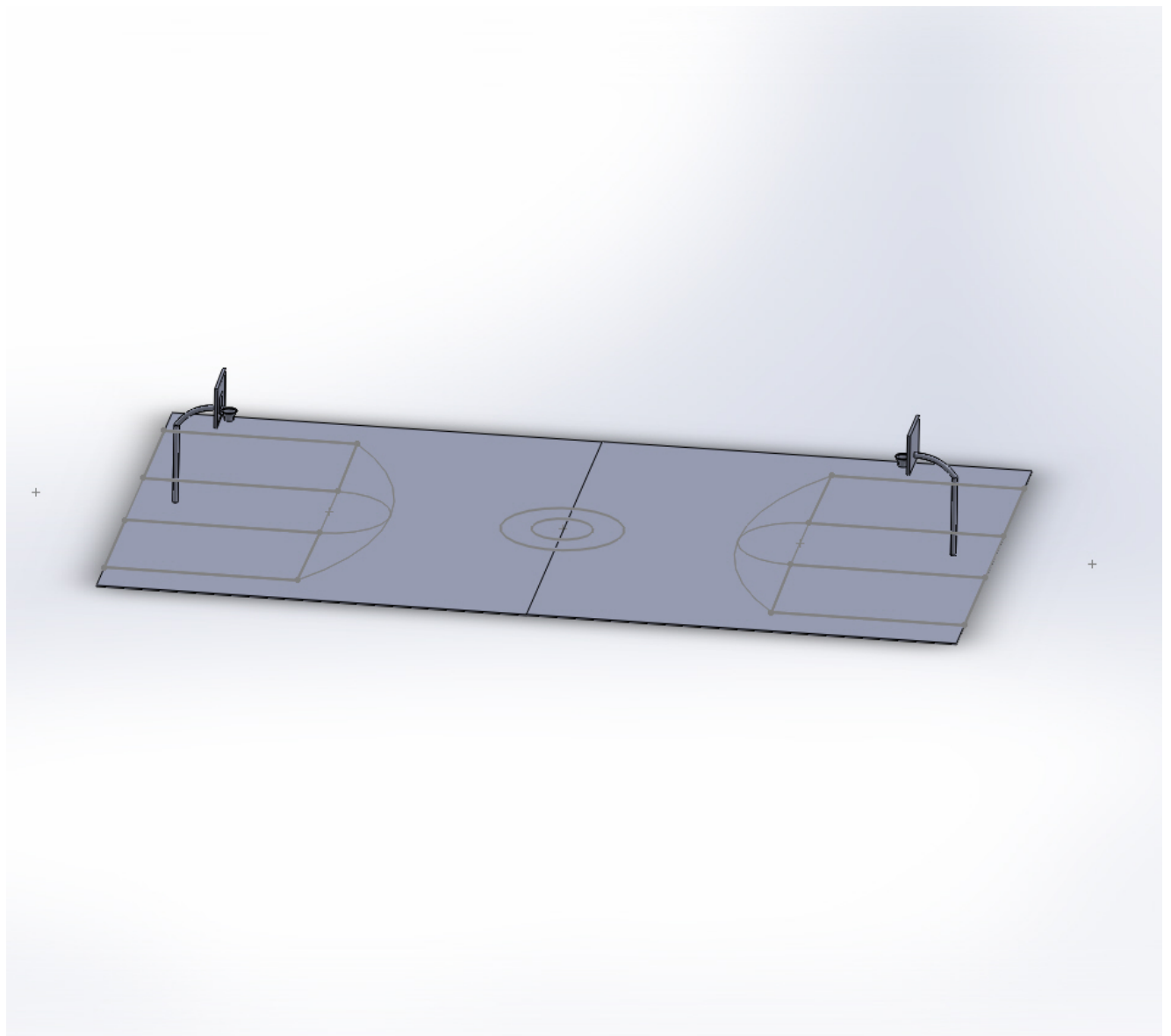
Basketball is one of the most popular sports in the entire world. For my final CAD project, I wanted to design something that everyone could relate to. So, I took something I was interested in and decided that many other people might find my project interesting as well. I designed a full, high school length basketball court. Now, I've been playing basketball since I was three years old, but I still needed some pictures to help me visualize the individual pieces of a basketball court. Below are a few pictures and websites which I used for reference.



<http://www.livestrong.com/article/351069-what-are-the-dimensions-of-a-basketball-backboard/>

Creating a basketball court, equipped with lines and hoops, proved to be a little more difficult than I thought it would be. I thought I would be able to create the floor with lines in a very short amount of time, when in reality it took I lot longer than I thought it would. The hoop was not exactly easy to design either, as it required multiple different Solidworks operations in order to perfect it. Sketching on multiple planes was an integral part of this project, but I had a lot of fun designing it. The fact that there isn't a singular basketball hoop design on the market also gave me some leeway and allowed me to be create the hoop how I wanted it to look.





All-in-all, this project was a lot of fun to design. Designing something I love definitely made it more interesting, and kept me motivated. While working on this project, I've learned that sometimes it may take a while to get all the details designed and everything perfect. But, if the time is taken to perfect the design, the end result will reflect it and it will look good!