

LAURA MARSH

SHED TERM PROJECT

CAD 251 / FA-2010

Kishwaukee College

CAD Technology Program

With Credit to Instructor Mark Schwendau

THE PURPOSE

- **The purpose of my project was to design a 3-D shed model in CAD, making it look as real as possible then placing an image behind the shed to see how it would look if it was actually built in the location desired.**
- **After completing this task, I experimented with the lighting to show the progression of daylight and how the image changes throughout the day.**

THE PROCESS

- Given a 2-D plan of the shed and a raster image of where it is to be built, I started modeling the shed in CAD in two vertical viewports setting one in realistic view the other in 3-D wire to keep control of the drawing. I used the materials library to set the different materials in the drawing.
- After completing the 3-D shed model, I set a camera view and inserted a raster image and placed it in the location provided.
- I then set the lighting inside the shed and set one pointing at the shed and raster image to lighten them both by finding the right intensity (don't be afraid to change the settings).
- ❖ Note: Shutting off isolines before rendering the 3-D model makes the image more realistic.

Raster Image File (18mm Digital)

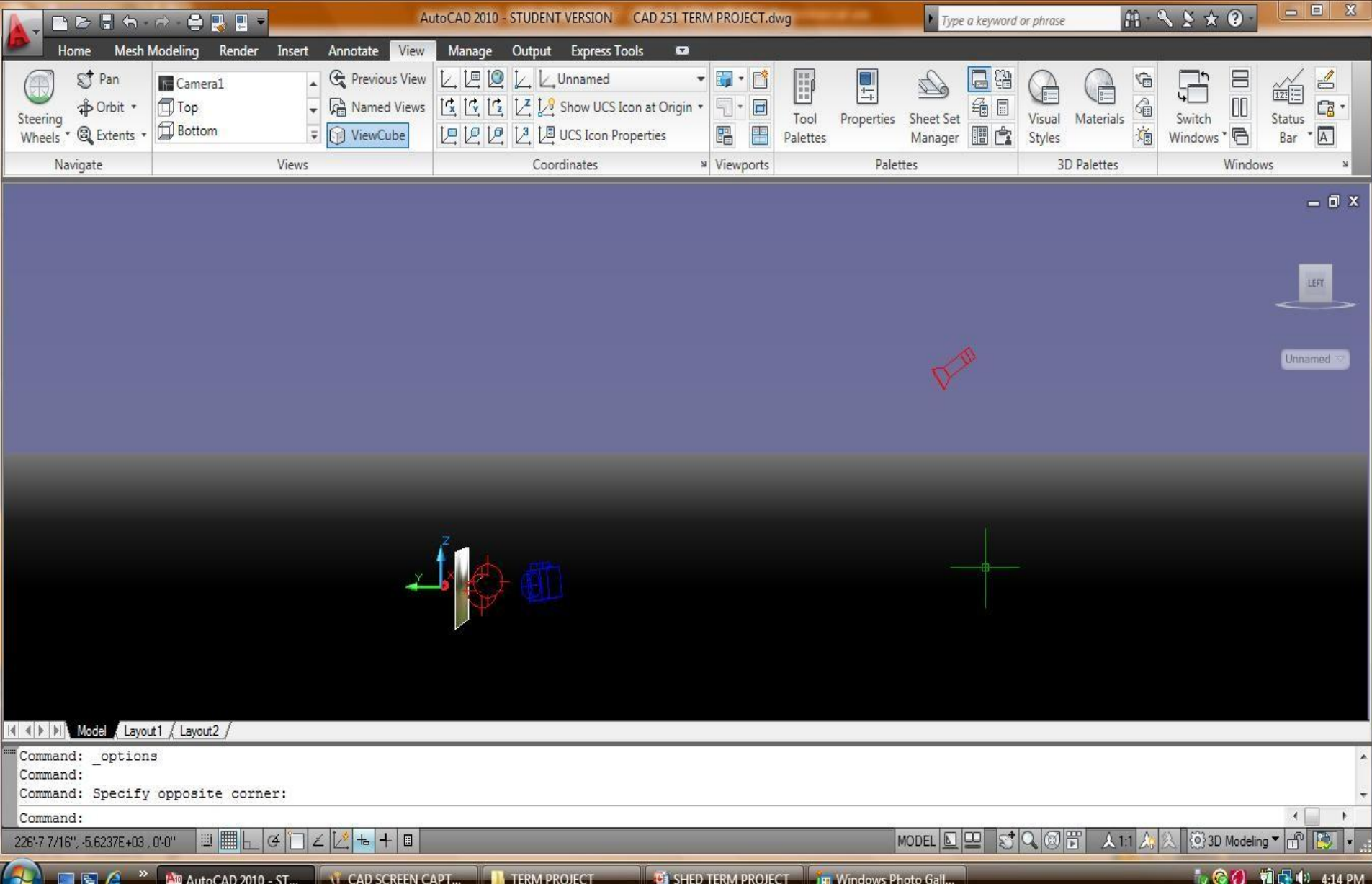


3-D CAD Model Vector Image File

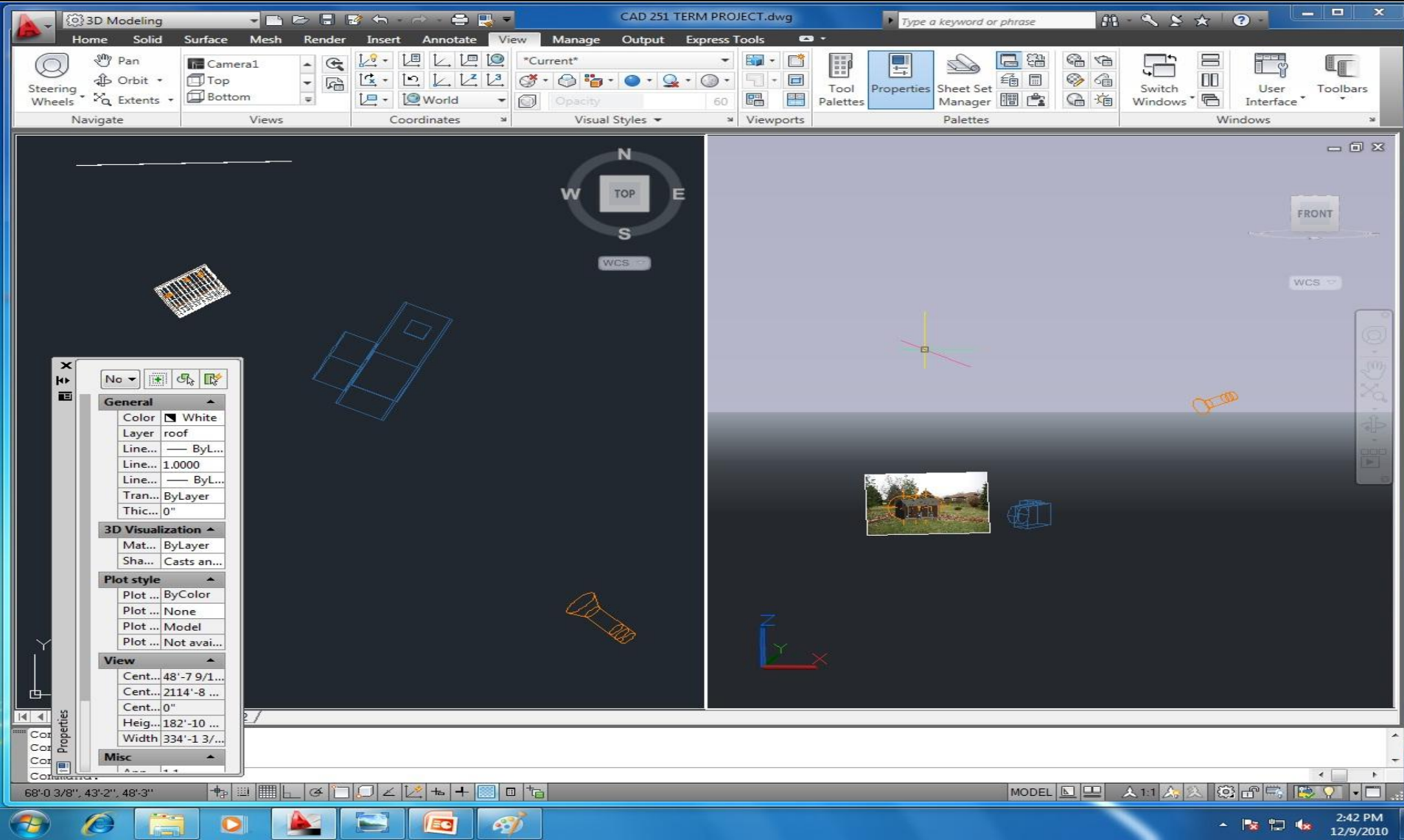


Reverse Image Model by Fellow Student Carrie Groen

SCREEN SHOT OF THE PLACEMENT OF THE CAMERA AND THE LIGHTING



Placement of camera and lights















PROJECT COMPLETION

- I took many steps in completing this project and even started from scratch several times only to learn something new each time to make the task a little easier. I have learned throughout this semester that sometimes it's just easier to start the drawing over than trying to fix it.
- Through research I found some helpful resources on the internet, they are helpful tools:
http://www.tutorialguide.net/raster_images_tutorial.html
http://www.ellenfinkelstein.com/AutoCAD_tips.html
http://www.we-r-here.com/cad/tutorials/level_3/3-9.htm
http://www.we-r-here.com/cad/tutorials/level_3/3-17.htm
- By saving the drawings I had made mistakes in I was able to use them to test out different ways of setting the images and the lighting resulting in my final term project.