DREAM HOUSE ROUGH CAD FLOOR PLAN

1. Open up the CAD file "Standard Residential CAD Drawing". Do a **SAVE AS** and rename it "**STUDENT LAST NAME-RESIDENCE.dwg** and save it into **your** ARCH I folder.

2. Draw a Rough Floor plan in CAD. This means only draw walls at this point. *(No doors/ window/ fixtures/ ect.)* Show only walls at this point and do not hatch/fill them in.

3. Draw walls on the **WALL LAYER.** The following are the dimensions for walls.

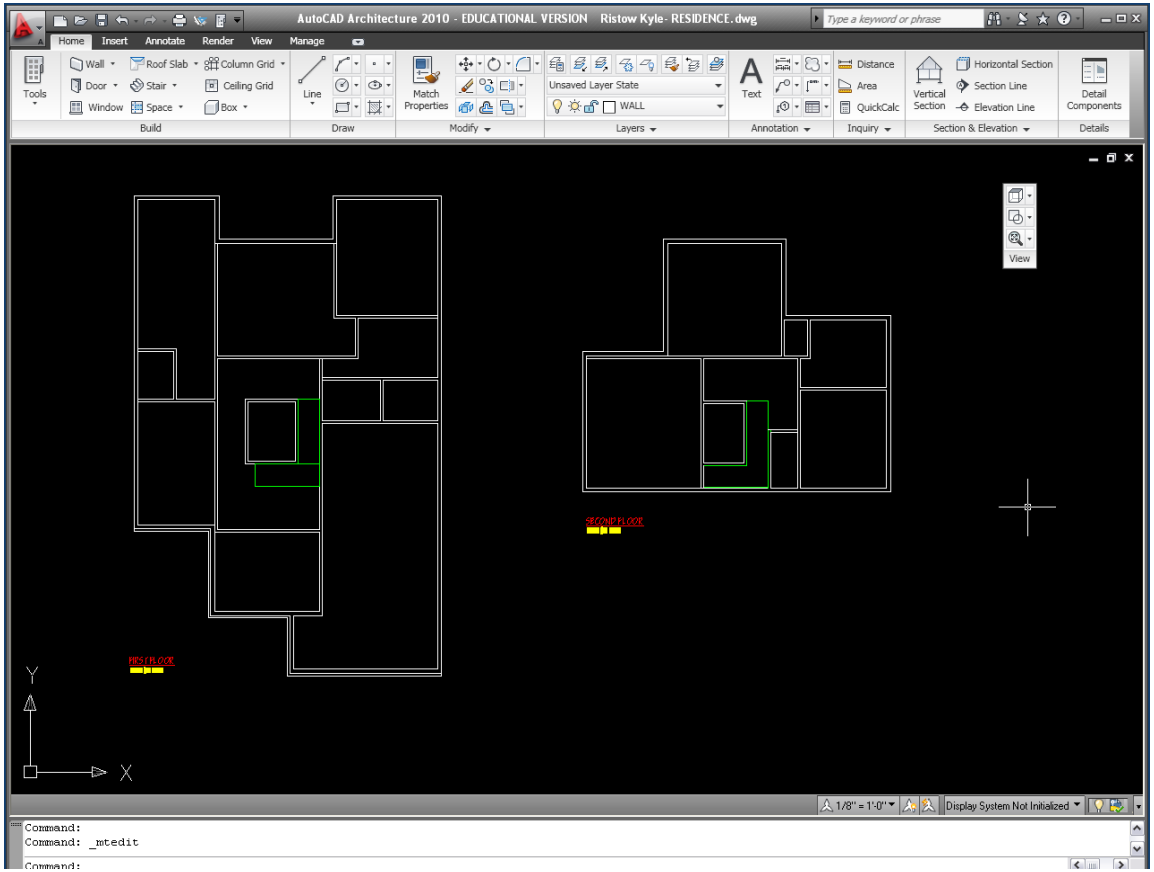
Exterior Brick Walls: 11" (4"Brick on the outside, 7" on the inside)
Exterior Siding Walls: 7"
Interior Partition Walls: 4.5"

Type in all dimensions; do not "eyeball" them. All dimensions should be to an inch (9'-7") or half inch (9'-7 ½").

Refer to the example floor plan you brought in for your dream house to give you a rough idea of room sizes. Also refer back to your bubble, rough and block floor plans for how you wanted to lay out your house.

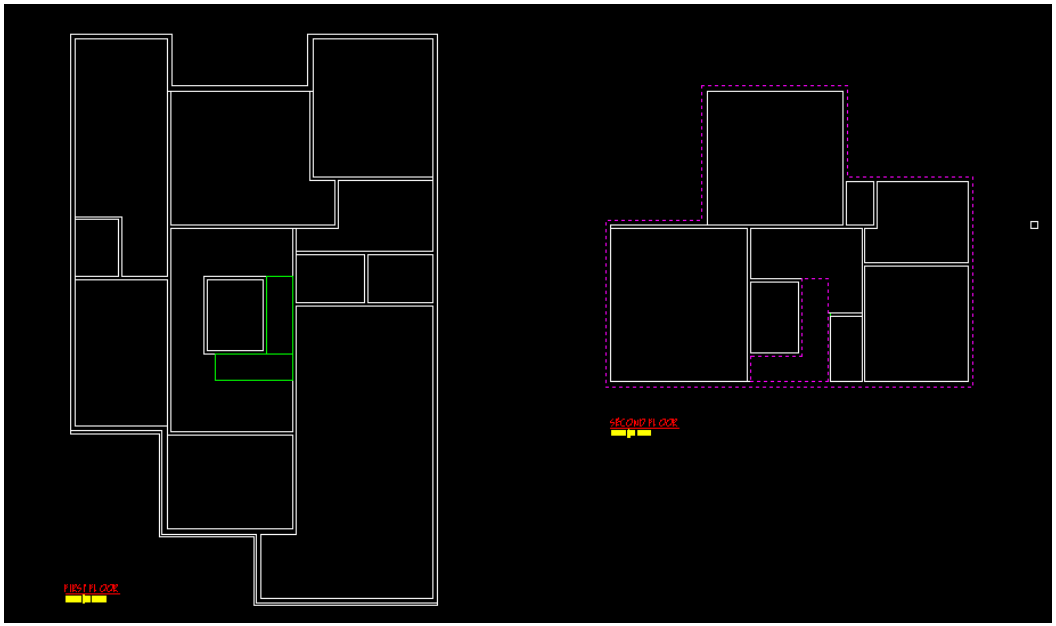
4. Print your Rough CAD Floor Plan with the walls scaled to fit to an 8.5x11, one floor per sheet. Hand sketch in Room Names, where you want doors, windows, fixtures, counters, etc. Be sure to put your name and date on your plans and turn them in.

To the side is an example of the simple level you want to take your first and second floor CAD drawing at this point.

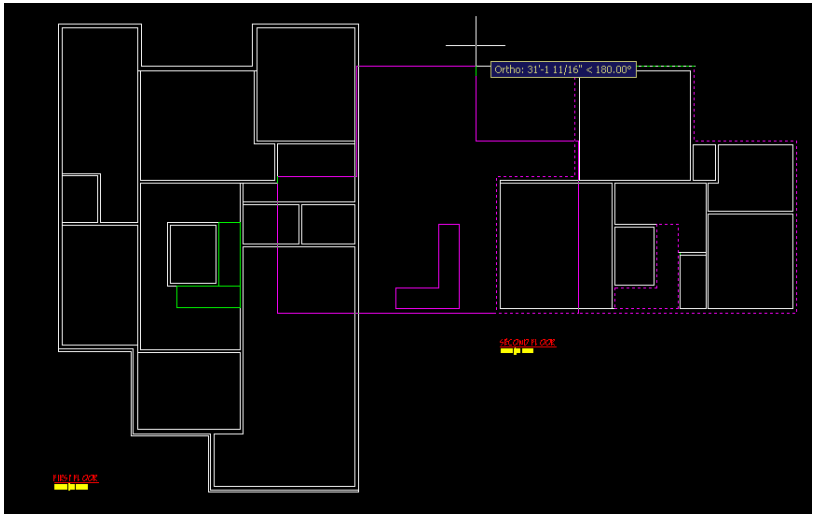


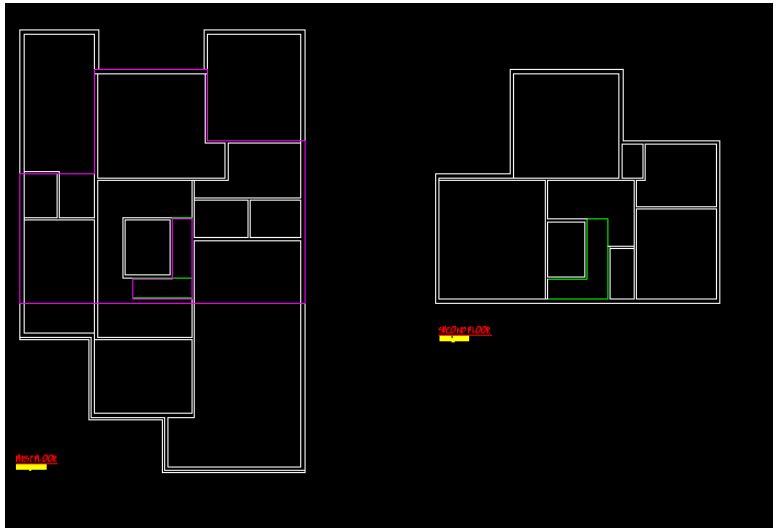
When you are drawing out the 2nd floor plan be sure it aligns with the 1st floor walls below and your staircase matches from the 1st floor to 2nd floor.

A good way to check this is to draw a Polyline (PL) around the perimeter of your second floor and then another around the perimeter of your staircase. Draw this is a color such as magenta that will be easy to see.

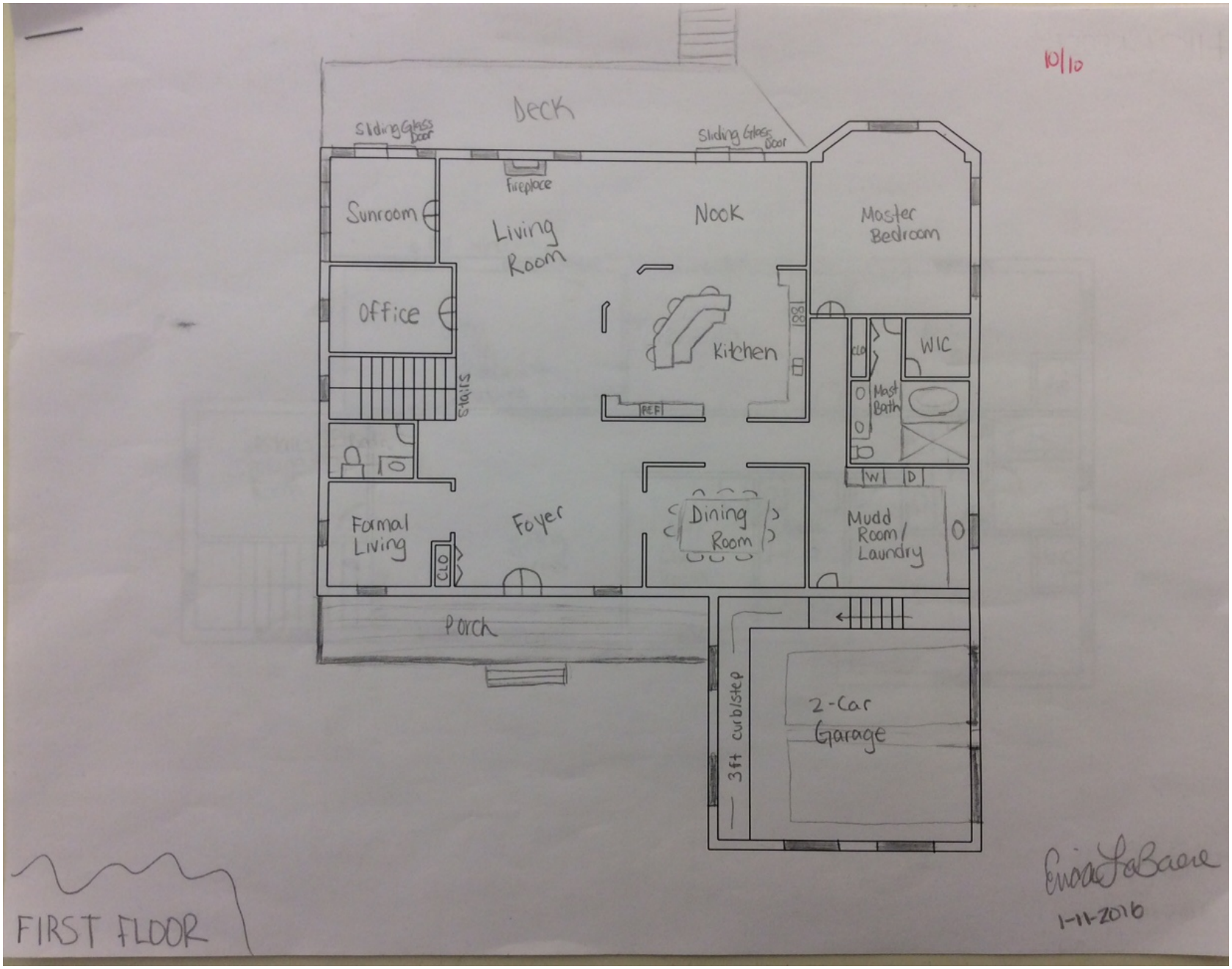


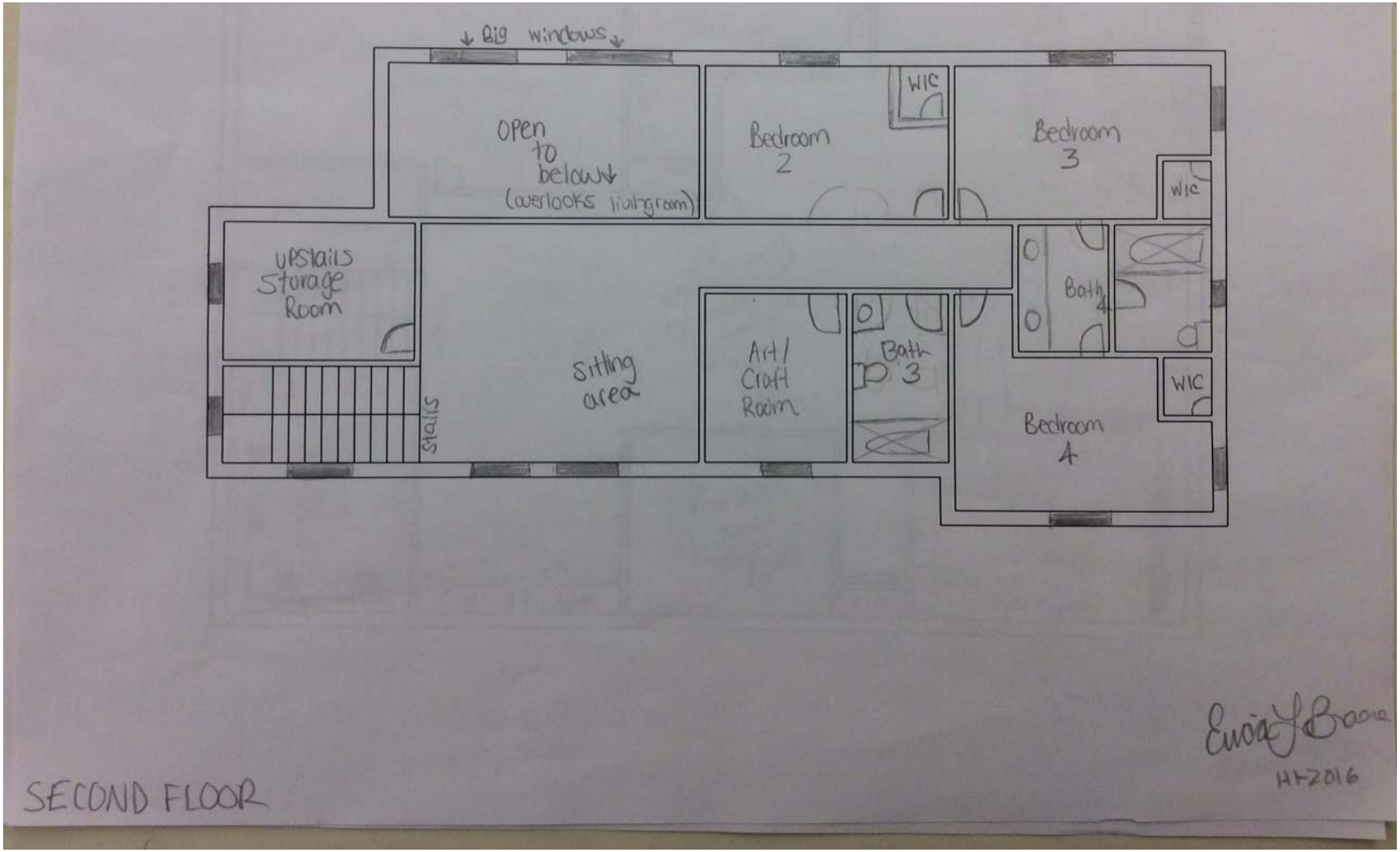
Move the polyline (PL) perimeter outlines over to the first floor. Check to see the walls and staircase align as needed.





Below is an example of the hand sketching to be done on the Rough CAD Floor Plan. Do one floor per sheet.





Once your sketched plan is approved you will add those elements into CAD. You will then get red-marks that will help you further develop your plan.