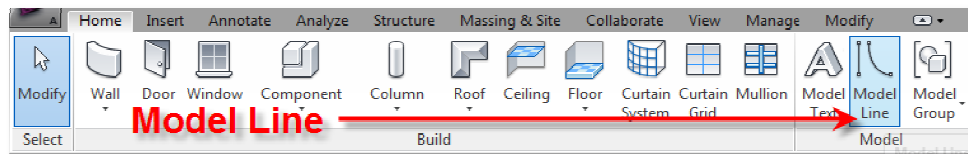


Fall 2011

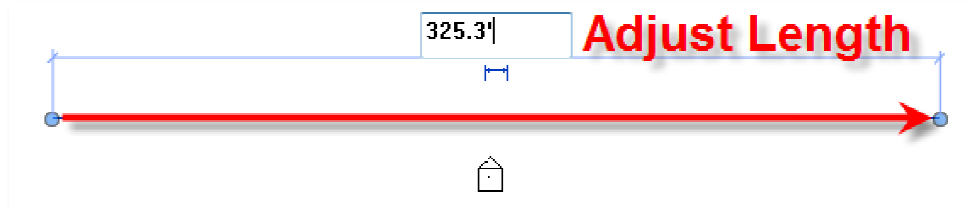
Bldg: Outlines **DRAWING THE SITE PROPERTY LINES AND LOCATING THE BUILDING MASSES**

Overview: Begin by drawing the property line outlines and then locate the edges of the three main building masses by using the project setback distances.

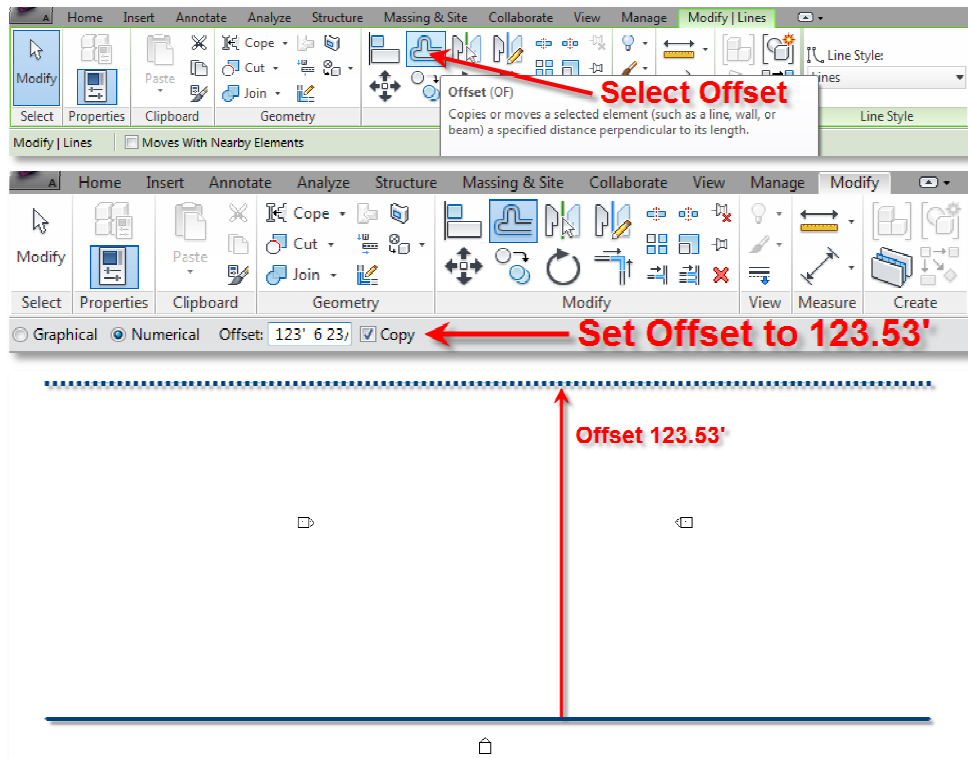
Select Level 1: From the project browser select "**Level 1**"



Draw First Line: Draw a horizontal line of any length and then select "**Modify**" to finish. Select the line again and then highlight the dimension. **Set it to 325.3'**



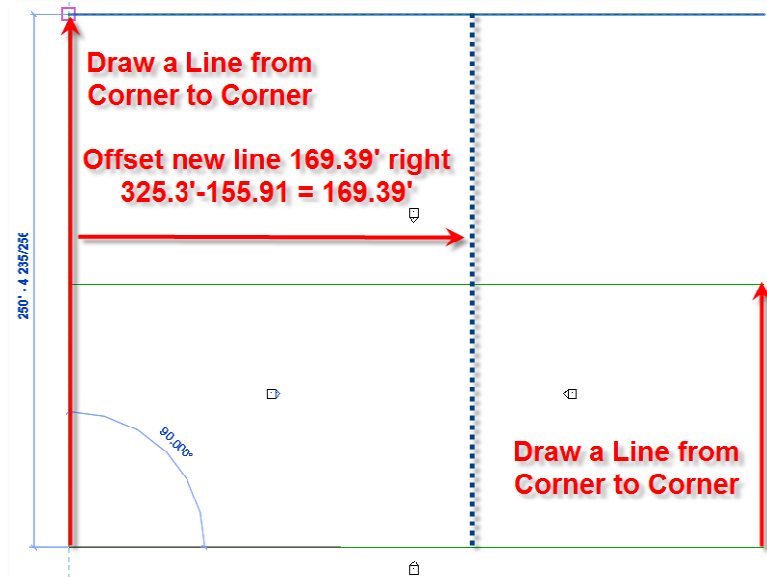
Offset: Offset the first line 123.53'



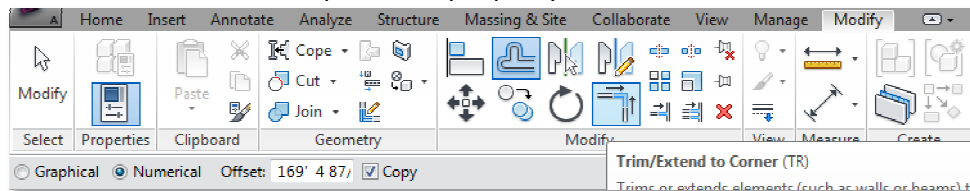
Repeat Offset: Offset the second line up another **126.88'**

Fall 2011

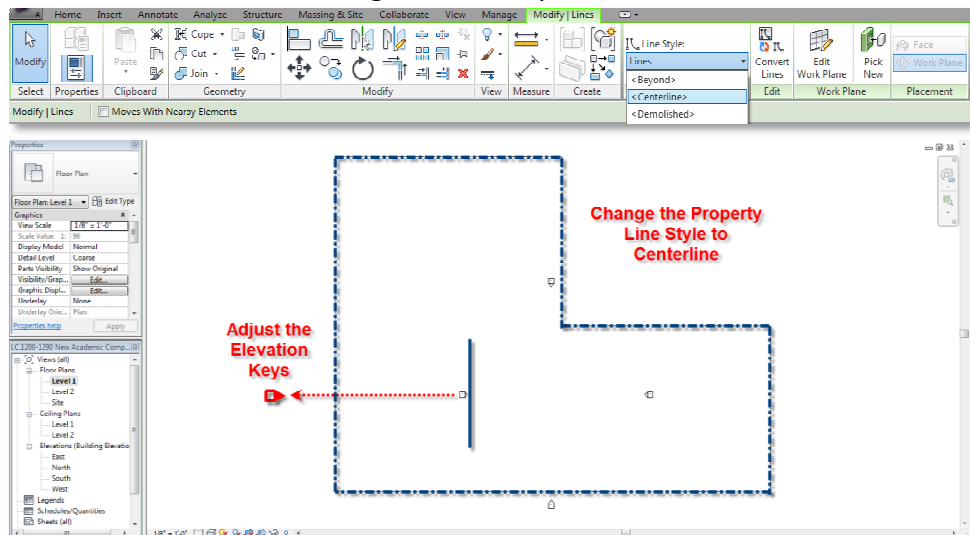
Draw Lines: Draw lines from corner to corner on both the left and right sides.
Then offset the left line **169.39'** to the right. ($325.3' - 155.91' = 169.39'$)



Trim Corners: Trim all the lines to complete the property lines



Line Style: Select all the lines and change the line style to **Centerline**

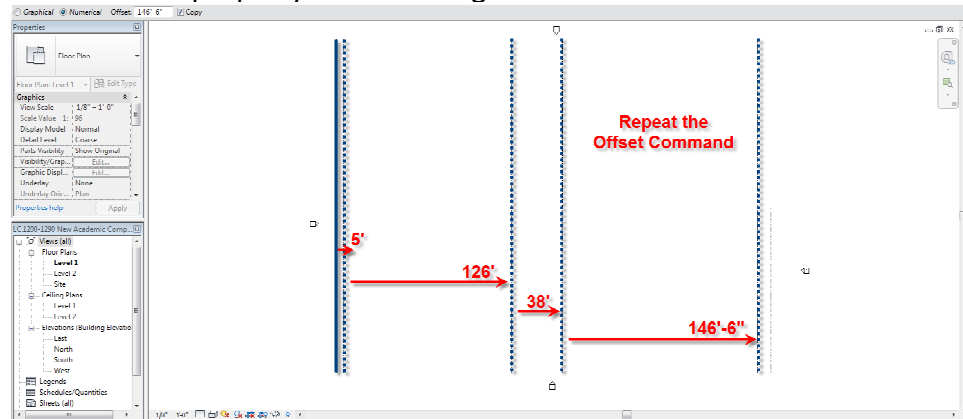


Elevation Keys: You will need to adjust the building elevation keys to be outside the extents of the completed property lines so that elevation views will display properly.

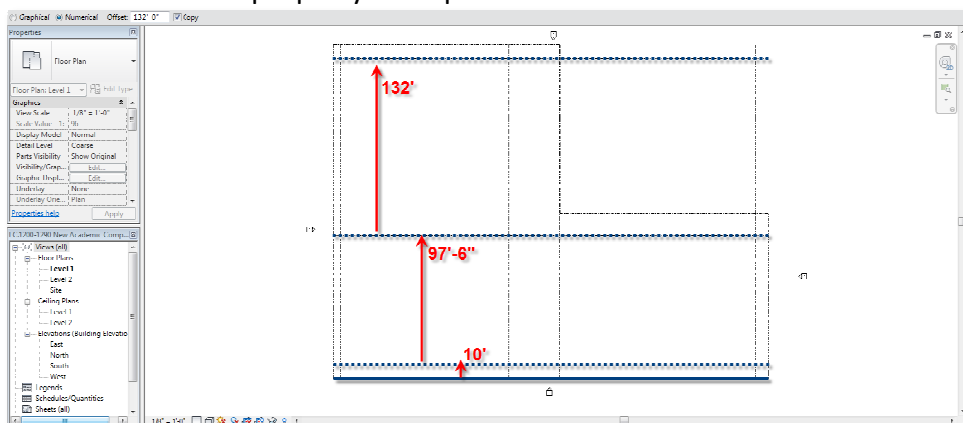
Fall 2011

Building Setbacks: Next we will create setback guidelines that we will use to draw the outlines of the 3 main buildings, the Atrium, the Multiuse Gym/Auditorium Space and the Lab/Teaching Facility.

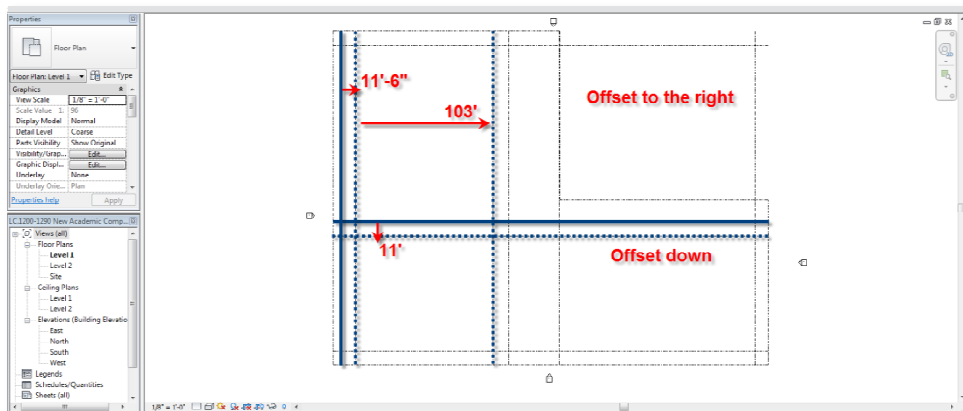
Repeat Offset: Offset the left property line to the right 4 times. $5' > 126' > 38' > 146'-6''$



Repeat Offset: Offset the bottom property line up 3 times. $10' > 97'-6'' > 132'$



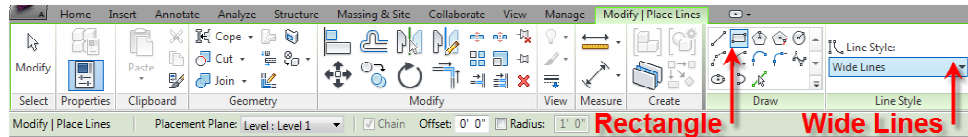
Repeat Offset: Offset the second line from the left $11'-6'' > 103'$ to the right
Offset the third line from the bottom $11'$ downward



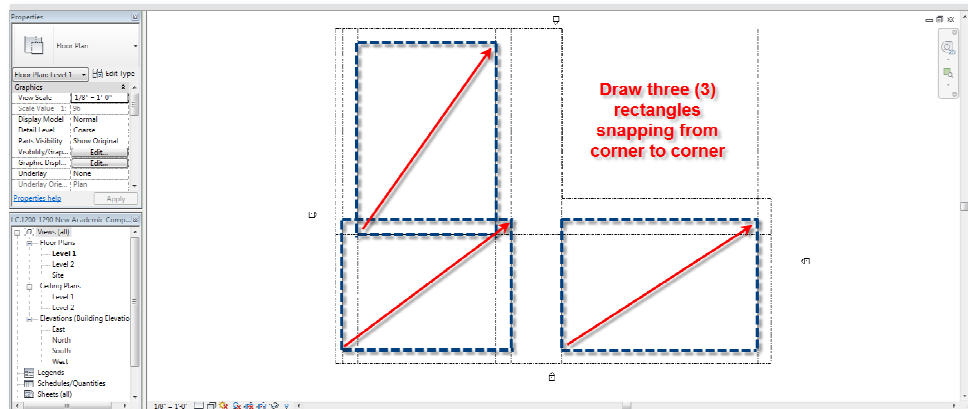
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Building Outlines: Now using the guidelines we created, draw the rectangles that represent the three buildings. We will set the line style to be “**thicker**” to increase readability.

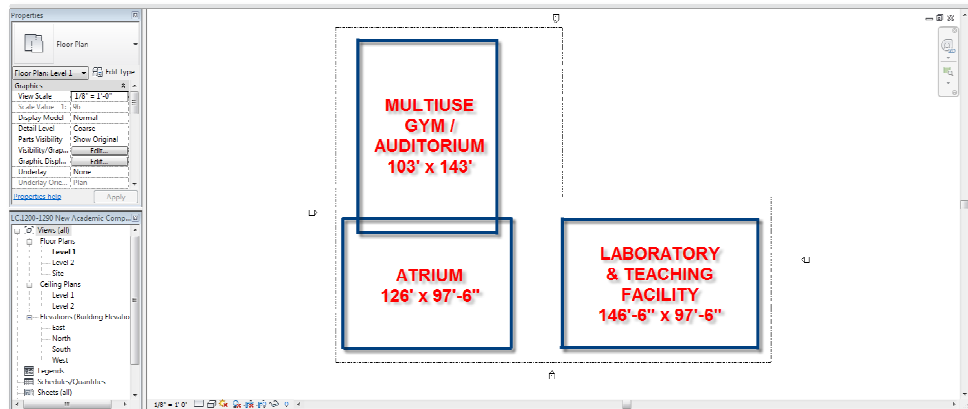
Change Line Style: Set the **Line Style** to **Wide Lines** and then draw using the **Rectangle** command



Rectangle: Using the guidelines draw three rectangles for the Atrium, Gym and Lab



Cleanup: Erase the setback guidelines. Property lines and building outlines will remain



Save your File: Remember to save your file. Use a name that makes sense and identifies you, the professor and the course. For example if Louis Sullivan were a student in Professor King’s Learning Community course the file might be named:

King.LC.1200-1290.Louis.Sullivan.NewAcademicBldg.rvt

USB Drive: Never work directly from your USB drive or save a file directly to the USB. Instead work from the hard drive and save to the hard drive. When you are done use the Operating System to copy the file to your USB.