ARCH 2330   BUILDING TECHNOLOGY III

Assignment Name: **Zoning Analysis Diagrams, Text & Calculations**

Computer Program(s):   **AutoCAD,** Revit, Web Browser and Blackboard

Student Learning Objectives:
Upon successful completion of this assignment, the student will:
1. Develop an understanding of NYC zoning codes and be able to interpret for a specific location.
2. Construct scaled site plan showing block and lot site and format on Titleblock.
3. Construct scaled Isometric drawing showing zoning

Student Skills Learning Objectives: (AutoCAD)
Upon successful completion of this assignment, the student will:
1. Be able to draw an isometric line drawing using isometric grids
2. Be able to draw an isometric 3d model
3. Be able to add annotation and dimensions
4. Understand the use of Paperspace/Modelspace and External References
5. Under the use of layers, lineweights and linetypes
6. Understand the use of variables including LTscale & PSLtScale

Assessment:
To evaluate the student's achievement of the learning objectives, the professor will do the following:
1. Evaluate the student's site plan and zoning diagrams drawings.
2. Evaluate the students use of annotation including drawing titles, notes and dimensions.
3. Evaluate the student's understanding and correct interpretation of relevant zoning regulations.
4. Drawing will be evaluated on its own and as part of the AutoCAD drawing set submission.

Project Description:
Students will develop a zoning study for the project site incorporating factors including but not limited to OSR, FAR, Setbacks, Sky Exposure Plane, Street wall requirements, available bonuses, use/type, etc. Students will be required to read and identify NYC Zoning code and determine what is relevant to the project and will produce an accurate zoning sheet for their drawing set.

Process:
1. Locate Site using Oasisnyc.net
2. Locate all relevant zoning related resources at NYC.gov. Site all sources (ie. ZR 33-12.3)
3. Complete all necessary calculations.
4. Produce Zoning sheet including site plan (1:20 or 1:30), Isometric Zoning Diagrams, sections and notes.
5. Keep all relevant sections of the zoning code in your teams' project binder.
6. Post completed sheet as a pdf and as a drawing file by the assigned deadline & add description.

References:
1. NYC Zoning   http://www.nyc.gov/html/dcp/html/subcats/zoning.shtml
2. Zoning Diagram Guide http://www.nyc.gov/html/dob/downloads/pdf/zd1_guide.pdf
3. Oasis NYC Maps   http://oasisnyc.net/map.aspx