



ARCH 2430

BUILDING TECHNOLOGY IV

February 2014

**Assignment Number:** 3      Building Zoning Information

**Computer Program(s):** Revit, Snagit, Photoshop, and Internet Browser

**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 envelope.
4. Construct scaled Isometric drawing showing building massing options.
5. Develop facility with Revit conceptual masses
6. Create parametric Revit mass

**Project Description:**

Each student will research and document the zoning information related to their semester long project. The goal of the assignment is to document the zoning envelope of the selected site by means of a Building Information Model with parameters that are associated with the zoning constraints.

**Related topics**

Topics to consider are:

1. Identify zoning map.
2. Label block and lot information.
3. Calculate site area and F.A.R.
4. Understand setbacks and sky exposure planes.
5. Document maximum buildable volume using the NYC building department guidelines.

Along with creating the project zoning envelope, each student will design two massing studies of their project which will satisfy the applied program and fit within the zoning envelope.

**Submittals**

Each student will submit two massing studies and a zoning envelope in the form of a Building Information Model as well as document the process by using the NYC building department templates which could be found:

<http://www.nyc.gov/html/dob/downloads/pdf/zd1.pdf>

[http://www.nyc.gov/html/dob/downloads/pdf/zd1\\_guide.pdf](http://www.nyc.gov/html/dob/downloads/pdf/zd1_guide.pdf)

The submission will be posted to the Gteam site and will be evaluated for the level of accuracy, completeness and clarity in documentation.

This project is due before the next class after the assignment is handed out.