

About Zoning

Zoning shapes the city. Compared with architecture and planning, zoning has a relatively short history as a means of organizing the way land is used. Yet zoning determines the size and use of buildings, where they are located and, in large measure, the density of the city's diverse neighborhoods. Along with the city's power to budget, tax, and condemn property, zoning is a key tool for carrying out planning policy. New York City has been a pioneer in the field of zoning since it enacted the nation's first comprehensive zoning ordinance in 1916.

Department of City Planning

http://www.nyc.gov/html/dcp/html/zone/zonehis.shtml

ARCH 2430

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STRUCTURE OF THE ZONING RESOLUTION

Articles I - VII - Zoning Regulations.

•Article II - Residential Districts use, bulk, off-street parking and loading; Inclusionary Housing; urban design guidelines; Quality Housing program. (§21-00 to 28-53)



• Article III - Commercial Districts use, bulk, off-street parking and loading; urban design guidelines. (§31-00 to 37-06)

• Article IV - Manufacturing Districts use, bulk, off-street parking and loading. (§41-00 to 44-585)

Articles VIII - XII - Special District Regulations

From, "Zoning 101" John Lee & Fatma Amer, DOB 25 May 20



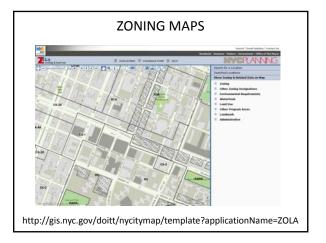
STRUCTURE OF THE ZONING RESOLUTION



Equitable Life Building 537ft tall (40 story)

- Zoning District
- Use Use Groups Signs
- Bulk: Floor Area Ratio (FAR) Maximum Lot Coverage Yard Regulations Height & Setback Regulations Courts
- Parking and Loading
- Other

ZONING



13

ZONING MAPS

The 126 City Planning base maps are made up of 35 sections, each identified by a number from 1 to 35.

Zoning maps are further divided into four quarters, each identified by letter: a, b, c or d.

Each zoning section map covers approximately 8,000 feet (N-S) by 12,500 feet (E-W)

ZONING MAPS



- Each zoning district is designated by a letter indicating the general use classification -- R for Residence, C for Commercial and **M** for Manufacturing -- followed by a
- Heavy solid lines indicate the boundaries of zoning districts. Certain districts (such as Special Districts or C1 or C2 districts) are mapped as overlays, modifying-but not totally supplanting-the controls of the underlying district.
- •Article VII, Chapter 6 (§76-00 through 76-148) establishes the location of district boundaries.

ZONING DISTRICTS



In **R** districts, the first number indicates permitted bulk and parking.

Most C districts have two numbers in their designation:

- the second number indicates permitted bulk. required parking or both

All $\boldsymbol{\mathsf{M}}$ districts have two numbers in their designation:

- the first number indicates permitted uses
- the second number, after a hyphen, indicates permitted bulk, required parking or both ZONING

SPECIAL PURPOSE DISTRICTS Have superimposed on underlying districts.

USE GROUPS

The uses listed in each use group have common functional or nuisance characteristics.

Use Groups 1 - 2 residential

Use Groups 17 - I8

community facilities Use Groups 3 - 4 Use Groups 5 - 9 local retail and services

Use Groups 10 - 12 regional shopping centers/amusement

Use Groups 13 - 15 waterfront/recreation uses Use Group 16 heavy automotive service

manufacturing The text identifies which use groups are permitted in each zoning district.

Index of Uses in Appendix A of the Zoning Resolution



BULK

The maximum size (or bulk) of a building on a lot is determined by the floor area ratio (FAR) assigned to each zoning district.

DETERMINE AREA OF ZONING LOT

• The FAR expresses the relationship between the amount of usable floor area permitted in a building and the area of the lot on which the building stands.

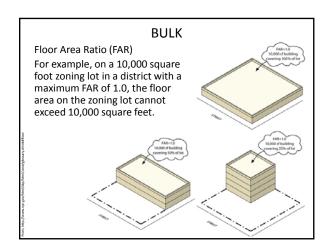
CALCULATE PERMITTED FLOOR AREA

• A building can contain FAR to the lot area multiplied by FAR of the district in which the lot is located.

BONUSES

• In certain districts, the basic FAR permitted on a lot can be increased if certain public amenities are provided

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BULK

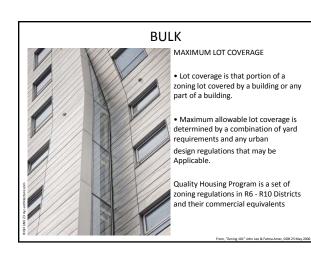
OPEN SPACE RATIO

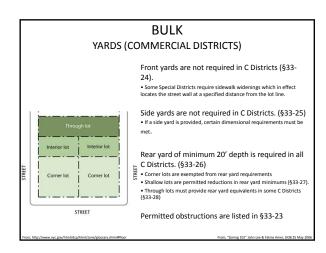
 In certain residence districts, residential development must provide open space on the zoning lot (\$27-14).

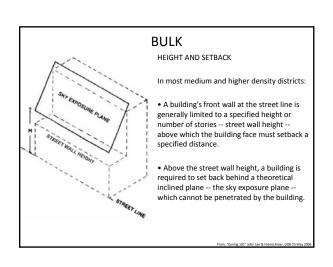
- In some districts, the amount of open space required is determined by the open space ratio (OSR) which expresses the percentage of total floor area of a building that must be provided as open space on a development parcel.
- In other residence districts, open space is determined by yard

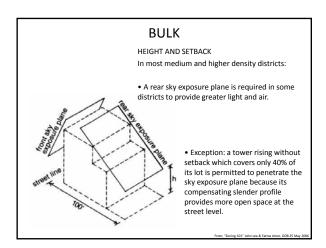
regulations or by limiting development to a maximum lot coverage.

m, "Zoning 101" John Lee & Fatma Amer, DOB 25 May 2006











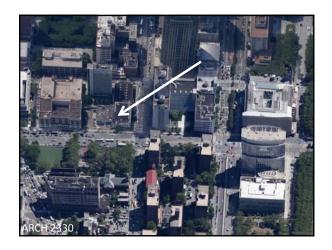


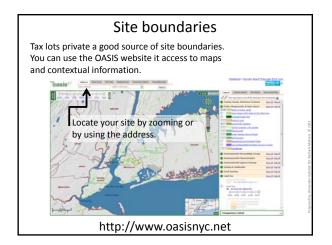


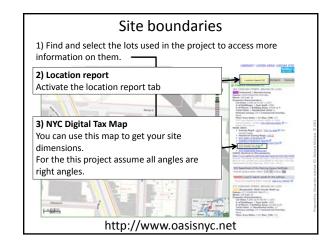


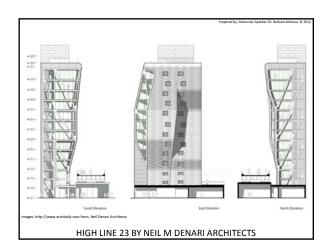












Class assignment

Your team as a whole should evaluate your zoning documentation. Double check its accuracy and ensure that you have all the required information to create detailed zoning sheets. You should create a zoning file in a Word document that contains notes and information on your zoning requirements and largest possible building envelope. This documentation should quote the sections of the zoning texts in which you get the data from.

Be sure to use as reference the New York City zoning diagram [http://www.nyc.gov/html/dob/downloads/pdf/zd1.pdf] and the zoning diagram guide

[http://www.nyc.gov/html/dob/downloads/pdf/zd1_guide.pdf].

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Class assignment

Each student will need to develop their own maximum building envelope area. This diagram will show how far the building is allowed to extend and rise according to the sites zoning requirements. This massing diagram should be completed as a massing family and Revit

Each student will develop a massing diagram showing the extents of the building as designed. The student team member each need interpret the project files to develop there on version of the massing of their project. Once these design massing's diagrams are completed they can be compared to the maximum allowable envelope.

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Class assignment

Each team member must then propose at least two different massing design options. These options must be based on the project design and must fit within the zoning boundary and maximize the usable FAR.

Please note: that next class developing parametric massing models to ensure a variety of massing options that maximize the buildings size in relationship to its FAR and massing.

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Zoning Analysis

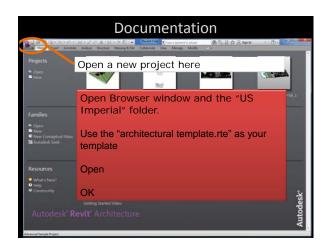
Your client is a University and they are requesting a building with a footprint of extending out to the property lines.

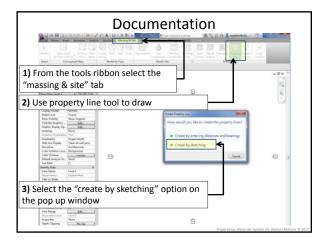
Keep your zoning calculations you will need them for your project documentation in a Word document.

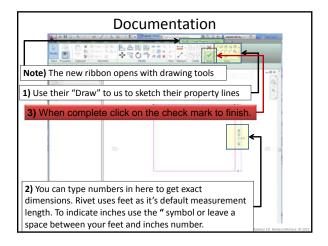
You will also use your results to your site plans.

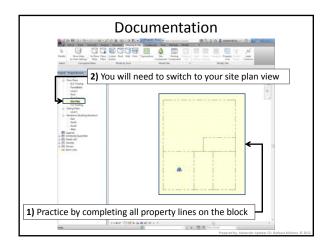


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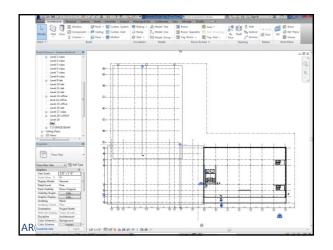


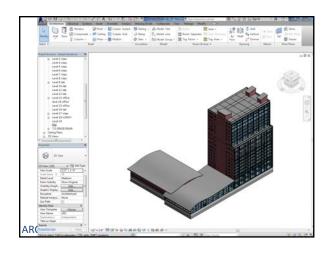


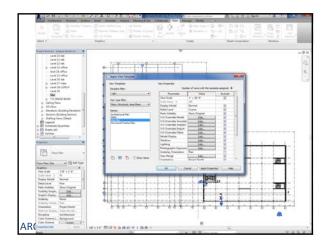


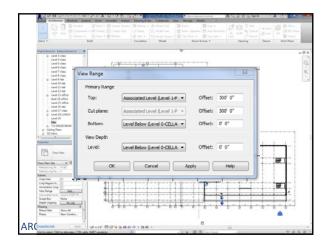


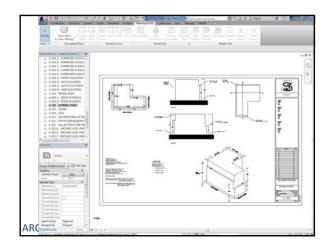


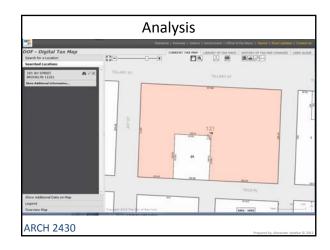


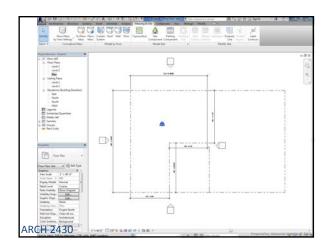


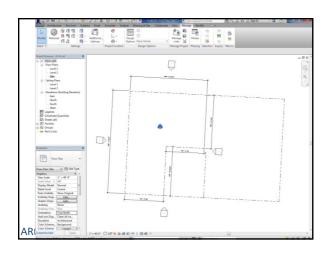


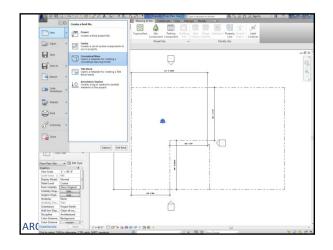


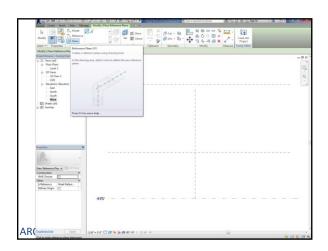


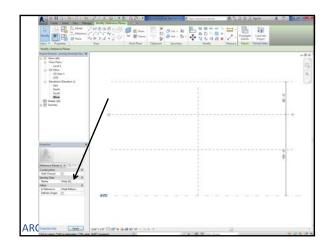


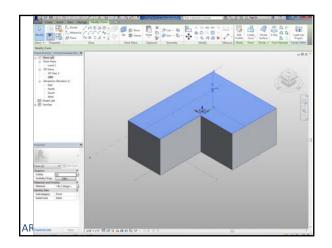


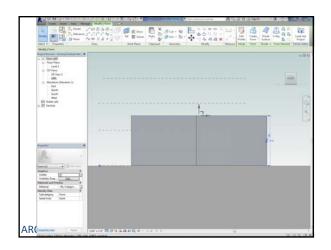


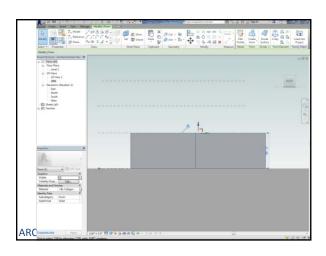


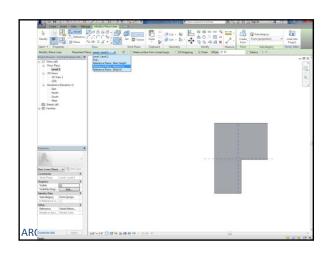


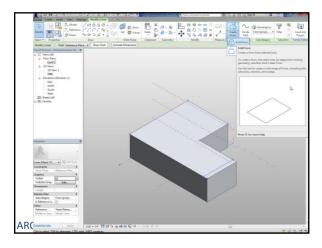


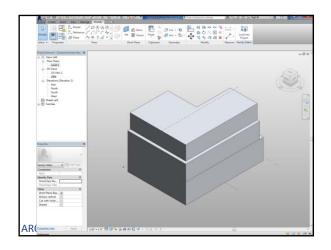


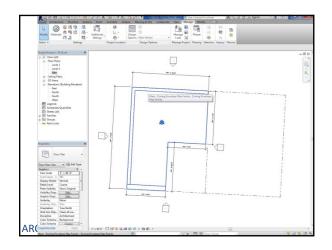


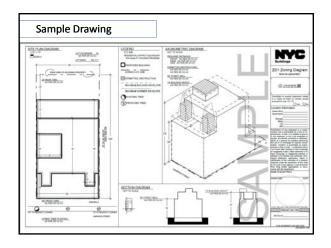


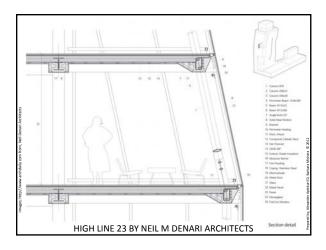














Be sure to bring into next class: 1. A rough draft of your concrete research to date 2. A minimum of two Revit massing families that show different massing solutions. They should be based on: i. Your selected team project interior plans ii. In design that creates three component building iii. With areas that roughly match the zoning thFAR