

Lecture:

1. Building Restrictions
SHIPPING CONTAINER:

You will receive **9 shipping containers**.

The shipping container dimensions are:

Inside length	Inside width	Inside height	Outside length	Outside width	Outside height
19'- 5"	7'-8"	8'-10"	20'-0"	8'-0"	9'5"

In addition to these 9 shipping containers, you will be able to use **400sf** of construction. The shipping containers may be cut, rotated horizontally and vertically. Pieces of the shipping container may be removed, but only 50% of any 20' long side can be removed total. The short ends can be completely removed.

2. SITE: 41-43 Dean Street (53'x42') **or** 92 Boerum Place (25'x75') **or** 242 Pacific Street
3. Precedent studies for container architecture

HOMEWORK: Concept + Site Analysis Boards - DUE: SEPTEMBER 6TH – PIN UP

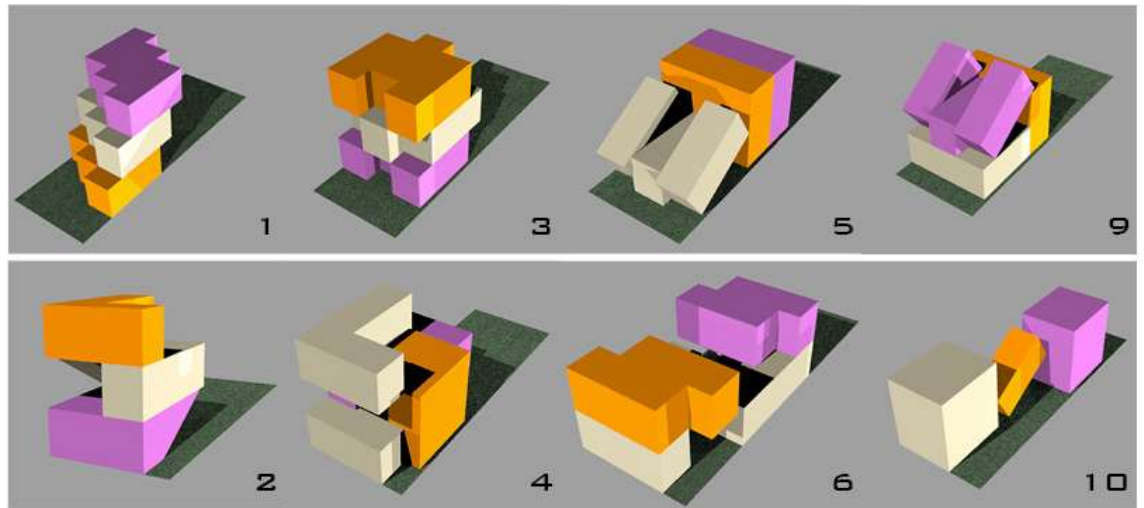
Board 5: 11" x 17" – Precedent Study

- Do research on buildings that contain shipping containers. How are spaces created from shipping containers? Show examples that can help you design using shipping containers.

Board 6: 11" x 17" – Diagrams of Massing

- Generate a series of diagrams showing different variations of the shipping containers organized to create your house. There should be at least ten different massings. They should be color coded or noted of which program is located in each container. These shipping containers can be cut into smaller units, rotated, sunk into the earth, raised, stacked, cantilevered up to 1/3 of its length.

These shipping containers must keep at least 50% of the long side. This is of total area and must not be in one piece, but many pieces or strips. This is to ensure that the shipping containers will keep their structural integrity.



Cellar: This is 50% below the sidewalk level. The Building Department does not count the floor area towards the total square footage. Living spaces such as bedrooms and living rooms are not allowed in a cellar.

Basement: This is more than 50% above the sidewalk level. This area is counted in the total square footage and may contain living spaces.

All living spaces must have natural light and fresh air. These spaces are living rooms, dining rooms, and bedrooms. The windows must be a minimum of 30' from the face of another building.

These two posts are due September 23, 2013.