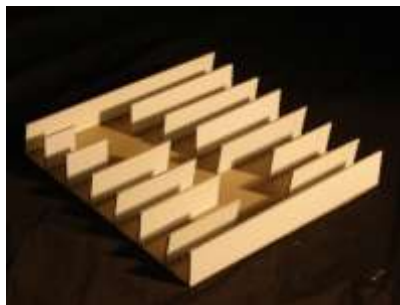
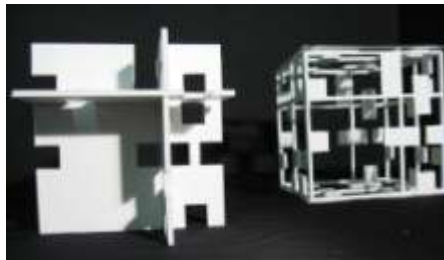


P O R T F O L I O



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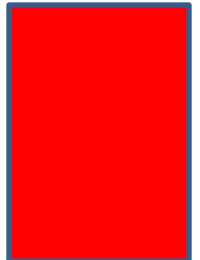
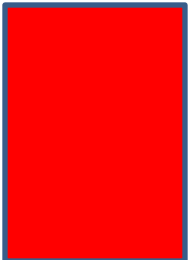




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3

Non-Parallel Planes Within a cube



1 . 3 non- parallel planes with cut outs to allow circulation

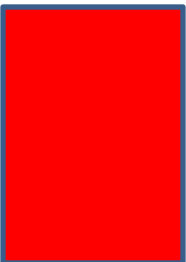
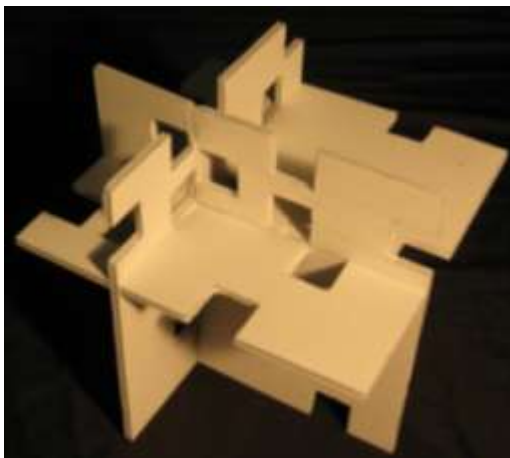
Each plane has 1" squares cut in them to allow circulation is maintained no matter witch way the construct is oriented

2. The planes can be flipped

The planes are able to be flipped on to all six sides and still the plane that is parallel to the floor has circulation as if a person could walk through and get to all 4 separate spaces

3. The cube

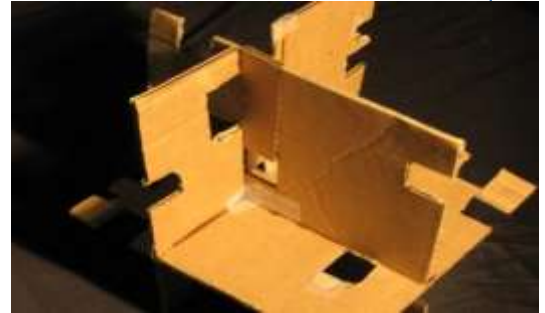
The cube is the negative of the planes, the spaces what were voids on the planes are now solids on the cube that boxes in the planes



Step One

Understanding the project and the basic requirements

I have three planes, each with a dimension of 8" x 8". The planes must fit in the cube that is oriented in the X, Y, and Z axes. The construction is to be viewed from any direction. The visual integrity of each plane must be maintained. Within your project there should be at least one defined space.



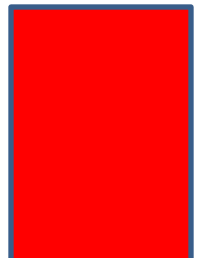
Step Two

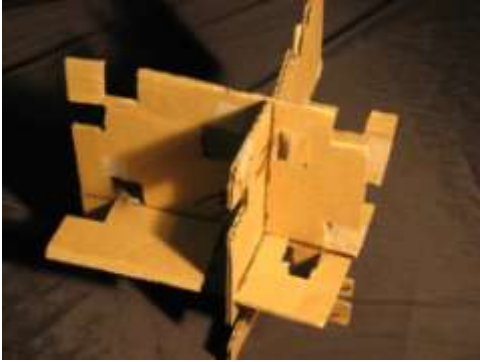
IDEA

come up with a basic Idea and incorporate circulation on the two planes that are parallel to the floor. (the floor and the one that its elevated)

Step Three

FINALIZE Complete the model in its final form and make sure that the planes all have proper circulation to all the spaces





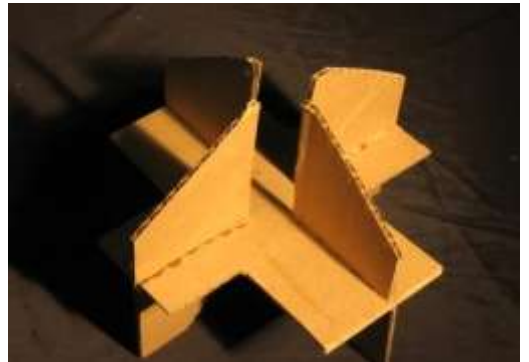
Sketch model 1



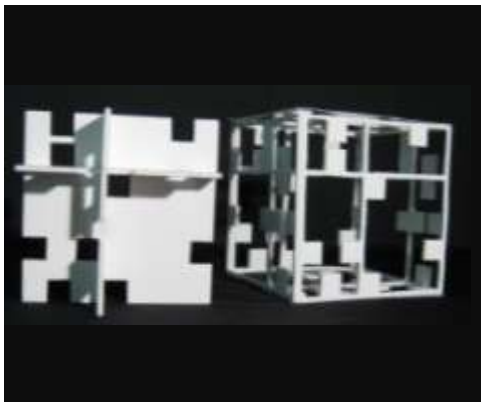
Sketch model 2



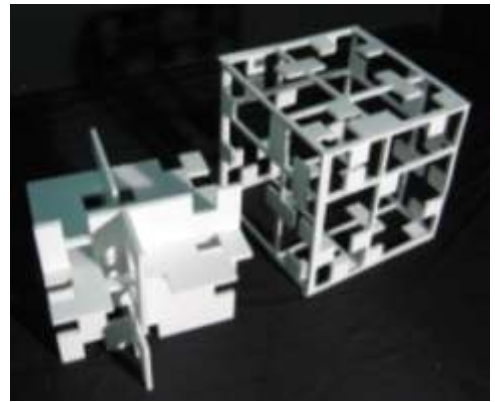
Sketch model 2



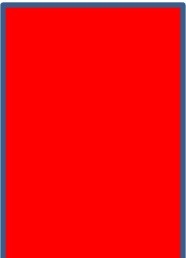
Sketch model 3



final

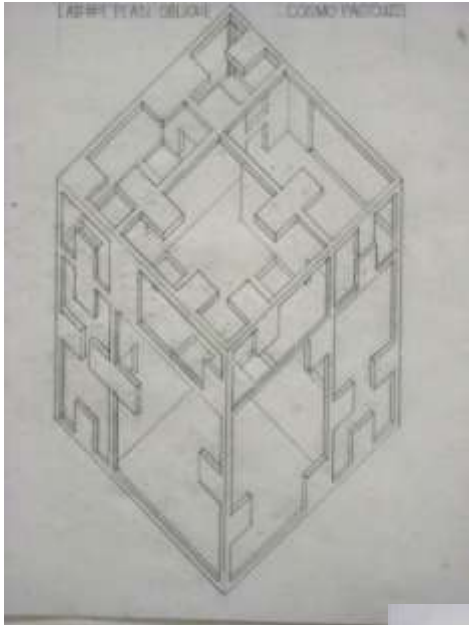


final

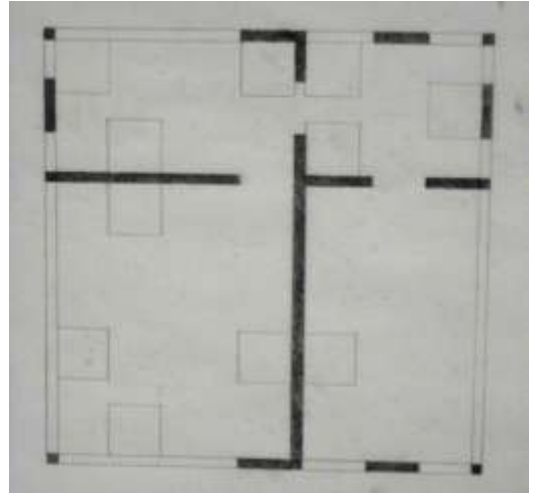




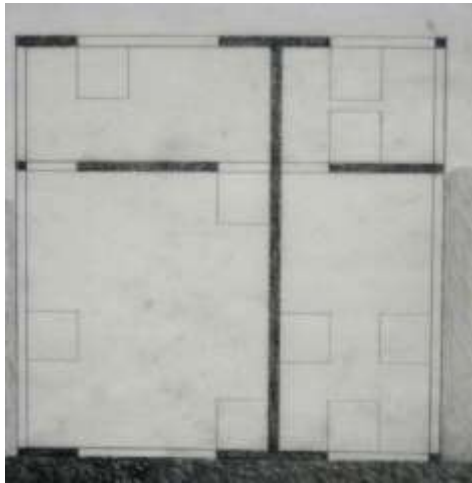
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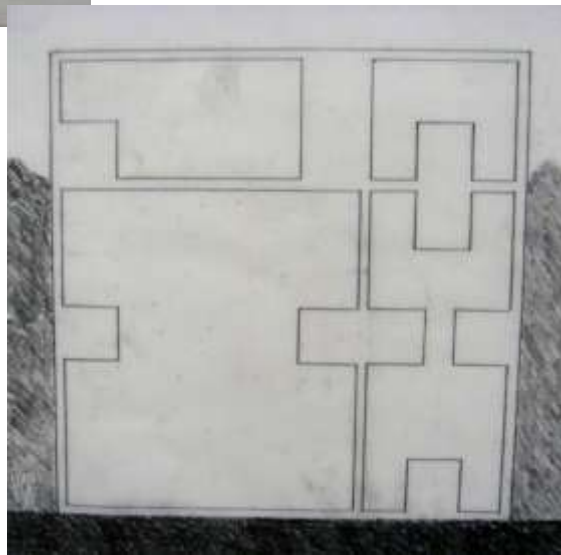
3D
View



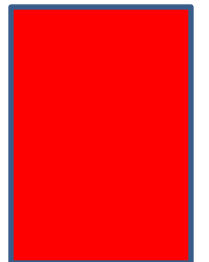
Floor plan



Section



Elevation



project 2

FAÇAD & Co- habitati



The façade

Project was to design the façade of a town house on an infill site in New York City

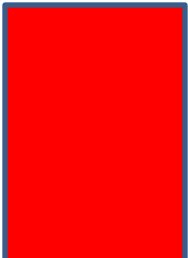
Style

We had to make the façade so it would match the style and structure of our town house. But still be able to fit in a big city setting with out obstructing the other buildings located to either side on the street



Design

The design of the façade is very important to how the structure will look once finished. The more unique and eye catching the building the more it will attract attention to the structure.



P Step one

R We had to design a townhouse that was suitable for two different people that
O had different lifestyles and we had to make a unique home for them to live in
C together. For this stage I found a precedent and I chose Habitat '67 in
E Montreal Québec by Moshe Safdie



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S

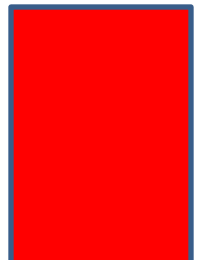


Step two

We were given a program that listed rooms for each person in the house. Some rooms in the townhouse were shared and others were specific to a single person. Each room had to be a specific size as not exceed the limits of the lot

Step three

Arrange the rooms in a functional manor so that two people could live in the same place and still be able to have their privacy . Rooms were arranged in levels instead of floors. This made for a more unique-looking structure .





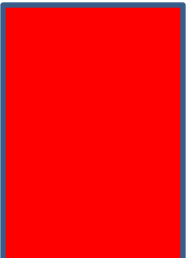
Step four

For the second part of the project we were asked to make a façade that would complement our building and yet still fit in a big city setting. I decided to adjust my plan by taking some of the rooms along the back of the building and pulling each one out a different distance so I could break up the levels better.



Step five

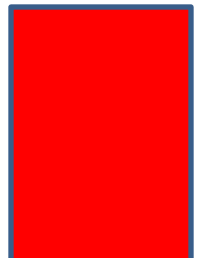
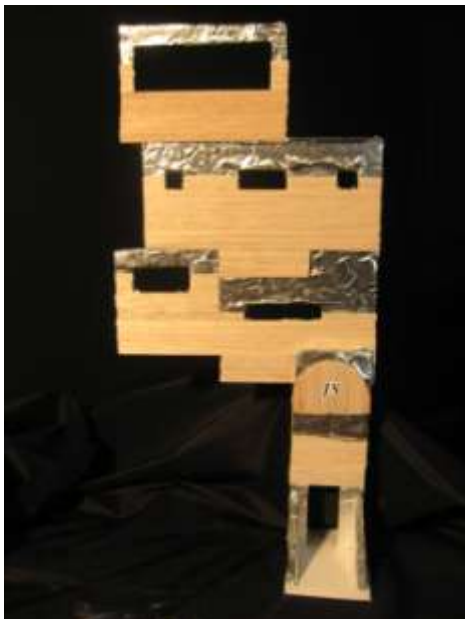
After I pulled the rooms out I liked the way it made the building look deeper. I knew that horizontal lines make things look bigger than what they are. I liked the look of steel bands and the way they could wrap the building and make it look industrial while still adding structure to the building.





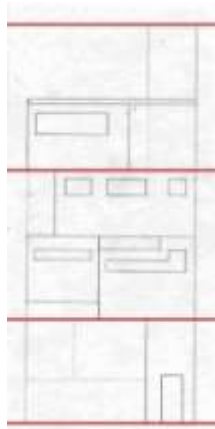
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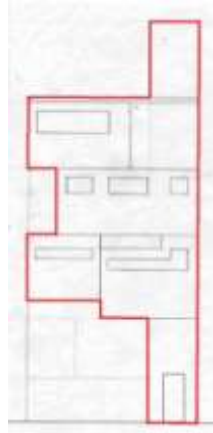
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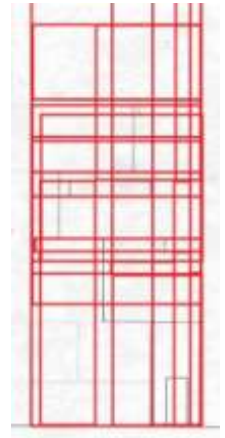
TOP

MIDDLE

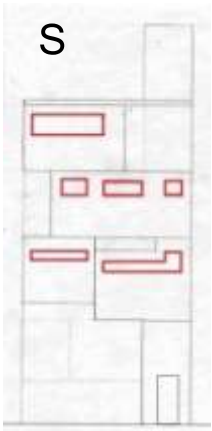
BASE



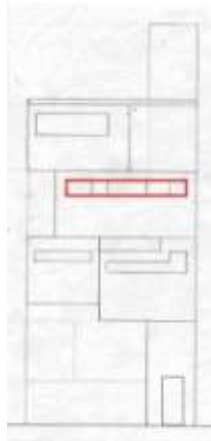
Massing



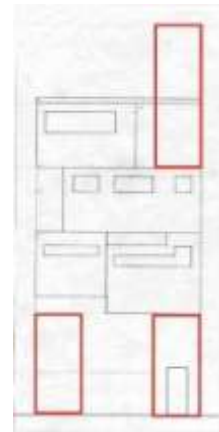
Grid



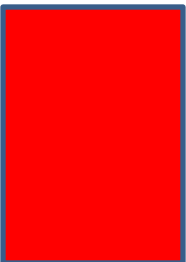
FENESTRATION



**PHENOMENAL
TRANSPARENCY**



**VERTICAL
ELEMENTS**





The goal of this project was to create a structure that could house a person for a day or a night.

The program included a court yard, bedroom, toilet room, entry and relaxation space

The Modular Unit

The structure was to be made of a modular unit that was 2'x2'x5', the whole structure had to be constructed mad up of the unit from the floor to the roof



Step one

We had to come up with a modular unit that could be used to construct everything from the floor all the way up to the roof. I chose a 2'X5' modular unit for mine because it was a big block so I would not need a lot of them but yet it will still fit with in the lot provided

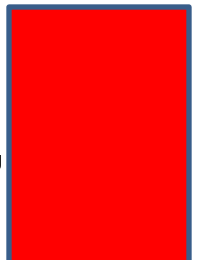
Step two

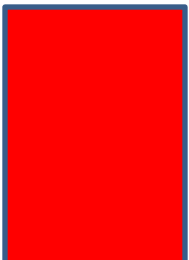
Now that the modular has been made we have to figure out a way to break up the whole lot into six separate defined spaces. These spaces will be used as a bedroom, bathroom, kitchen, entry, courtyard and a meditation space



Step three

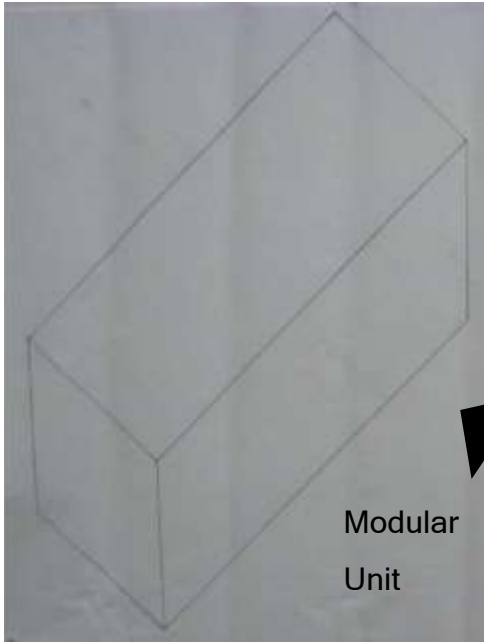
You must take the modular unit and construct the walls to the building and the walls the separate the rooms inside. Then we had to construct small pieces of furniture of the building





project 3

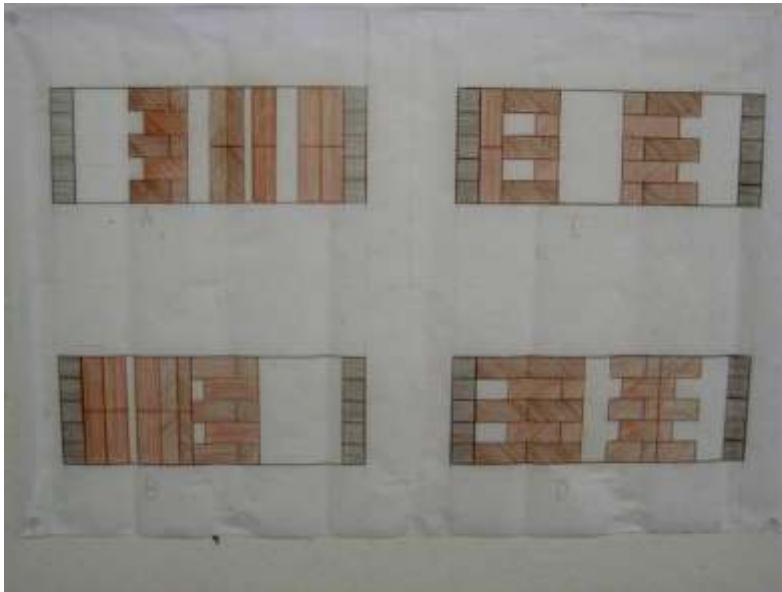
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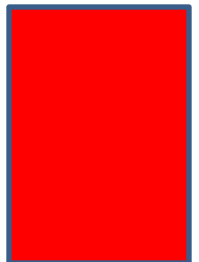
Modular
Unit



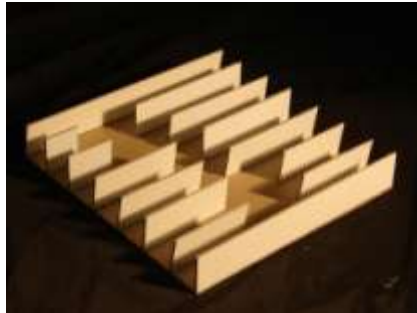
Floor plan



Sections



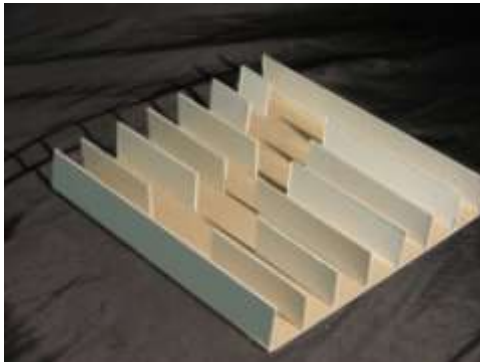
8



The 8 planes

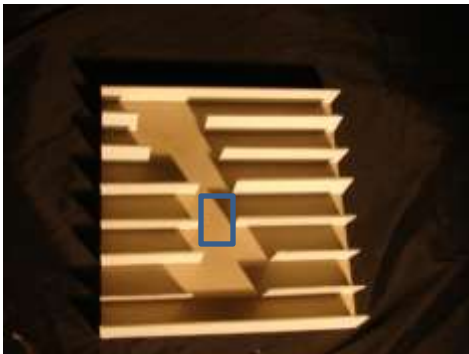
Are to define a 10 1/2" field. Openings are to be cut into the 8 planes to allow circulation but also create hierarchy within the spaces.

Parallel Planes



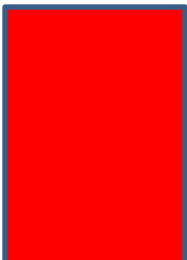
Openings

The opening in the planes can not remove more than 50% of the plane. The openings still need to provide hierarchy somewhere in the field



Hierarchy

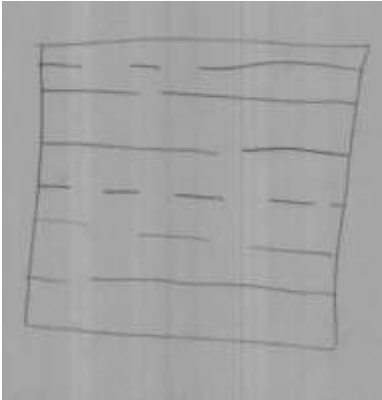
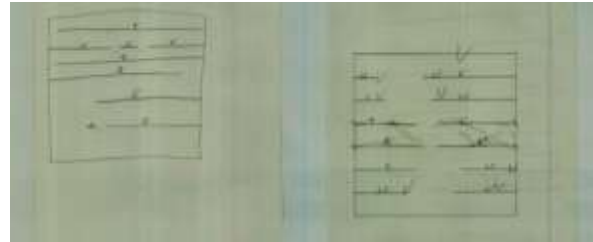
Is the most important space in a building it should be defined by eight points. The hierarchy for my project was the small space in the center of the field



P
R
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E
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S

Step one

Decide the spacing of the planes as they cover the plane. I decided to space mine every 1.5 inches so it was the same all the way from end to end



Step two

Once I had figured out how far apart I wanted each plane I had to determine the size of the cut outs I would put in my planes

Step three

Within the cut outs I had to establish a Hierarchy with the planes. I made the cutouts different sizes because it made the path of circulation different. I also used my Hierarchy space as a axis that I mirrored the planes over

