

**NICHOLAS HEDLUND**

**ARCHITECTURAL PORTFOLIO - BSAS**

Fall 2018 - Spring 2020

# THORNCROWN CHAPEL

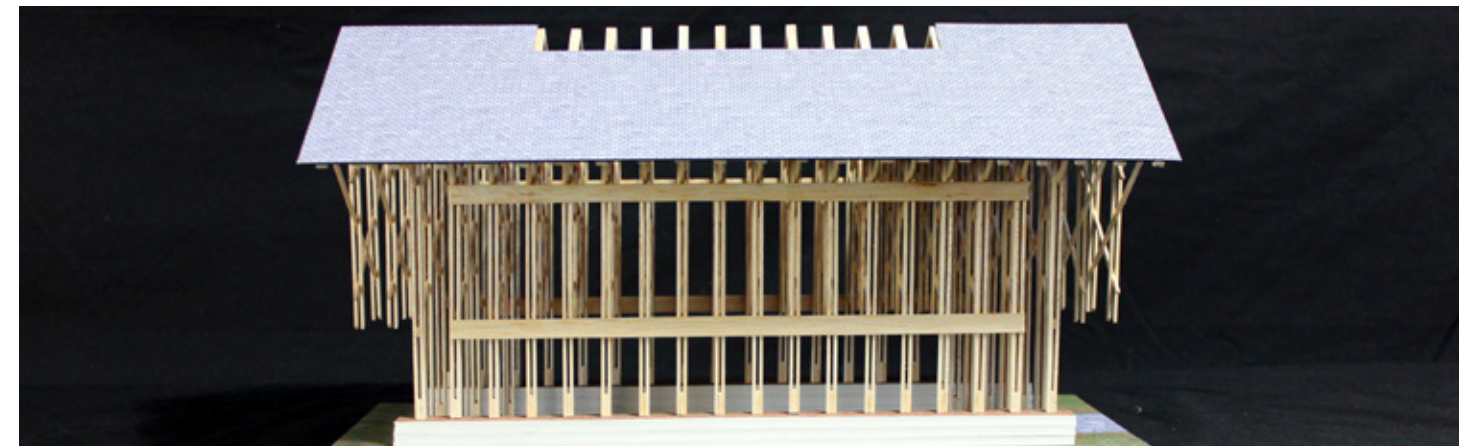
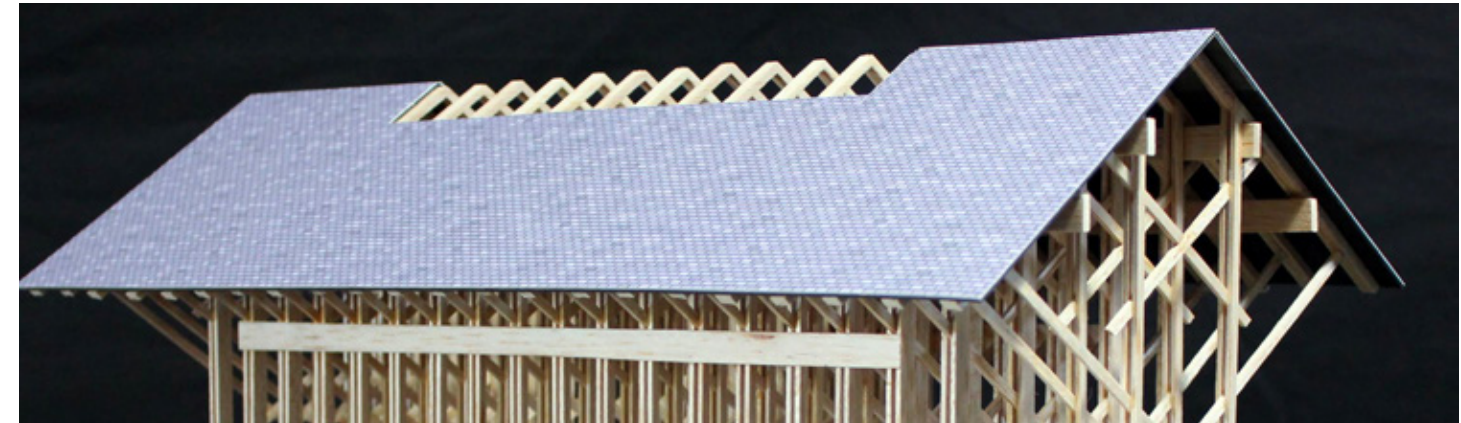
## Assignment:

Create an accurate depiction of the Thorncrown Chapel to demonstrate model making skills.

Materials used: balsa wood, foam core, matboard  
Scale: 1/8" = 1'

ARCH 1100: INTRO TO ARCHITECTURE

TERM: FALL 2018  
INSTRUCTOR: JANE OSTERGAARD  
DURATION: 3 WEEKS





# THORNCROWN CHAPEL

ARCH 2220: ARCH COMPUTER MODELING

TERM: SUMMER 2019  
INSTRUCTOR: MARK PEARSON  
DURATION: 3 WEEKS

## Assignment:

Create an accurate replication of the Thorncrown Chapel to demonstrate three-dimensional computer modeling skills.





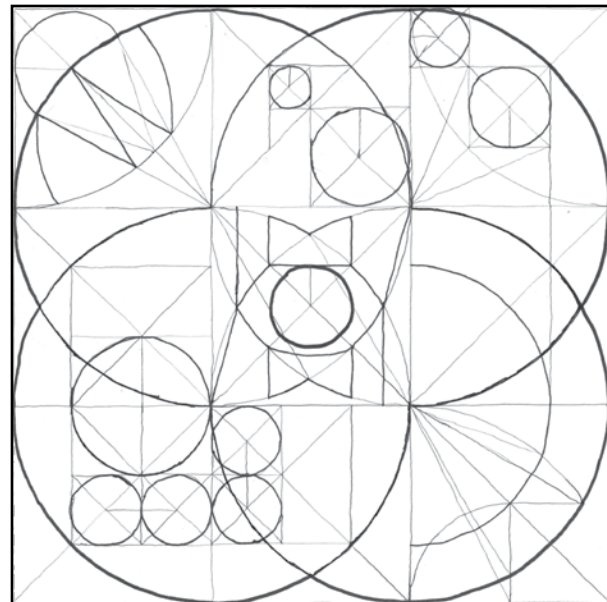
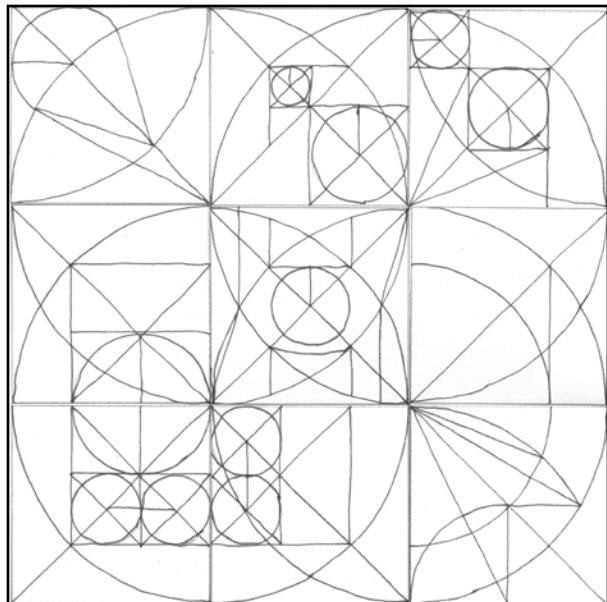
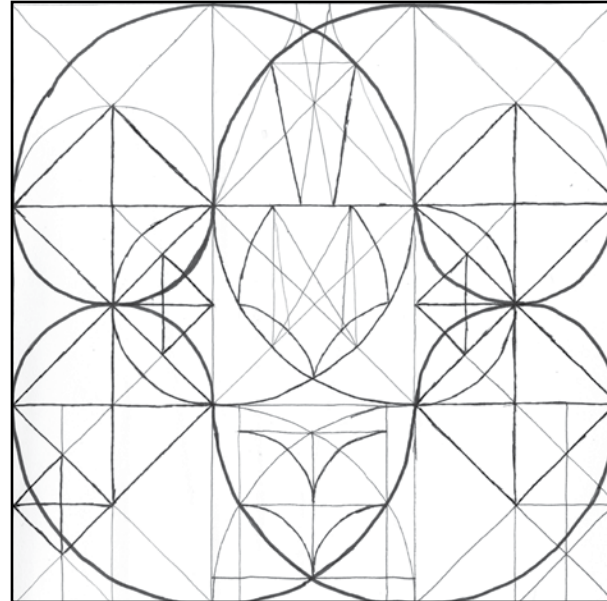
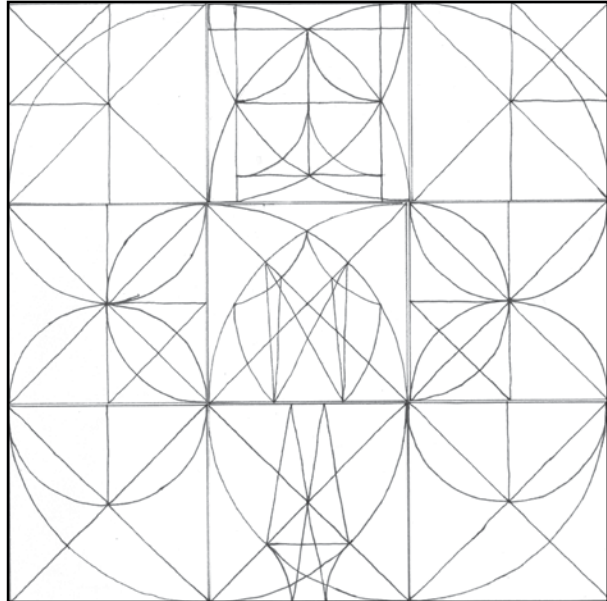
# HIERARCHY AND FORM

ARCH 1131: INTRO TO ARCHITECTURAL DESIGN

TERM: SPRING 2019  
INSTRUCTOR: JANE OSTERGAARD  
DURATION: 3 WEEKS

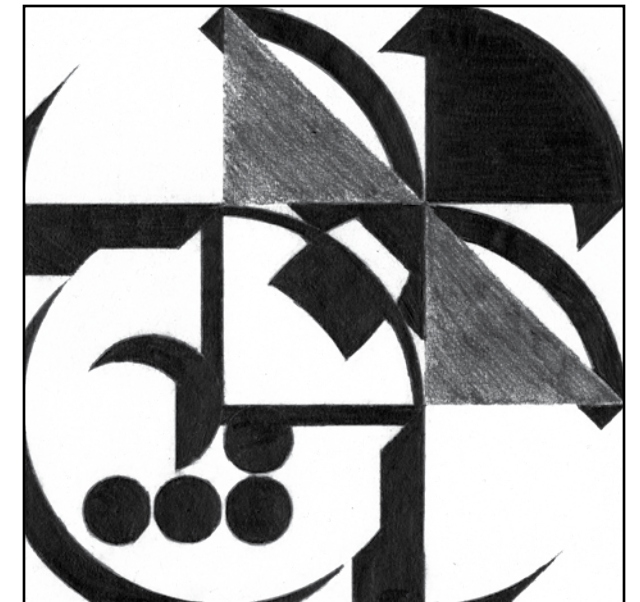
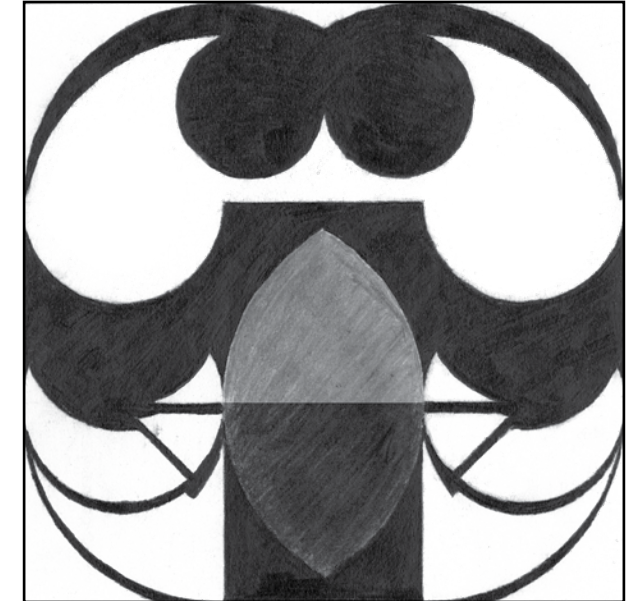
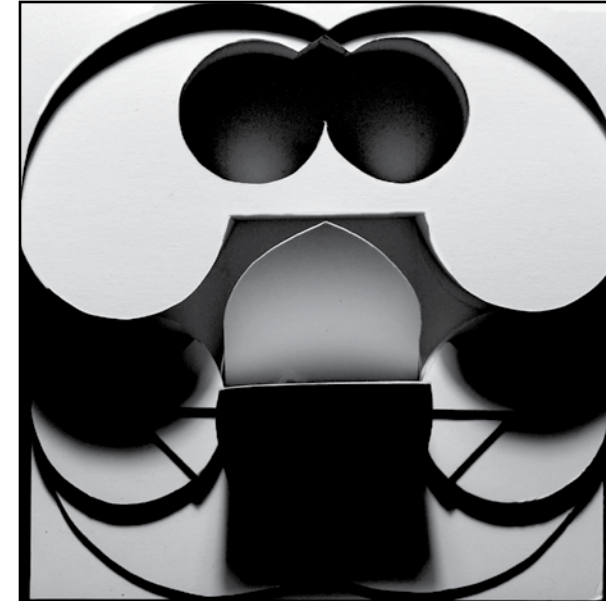
## Assignment:

Create an asymmetrical and symmetrical composition in free-hand ink then highlight new line weights.



## Assignment:

Use both previous compositions to create two three-dimensional models and hand renderings.





# SPATIAL SEQUENCE

ARCH 1131: INTRO TO ARCHITECTURAL DESIGN

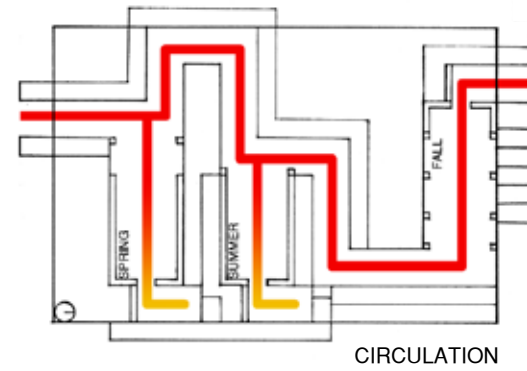
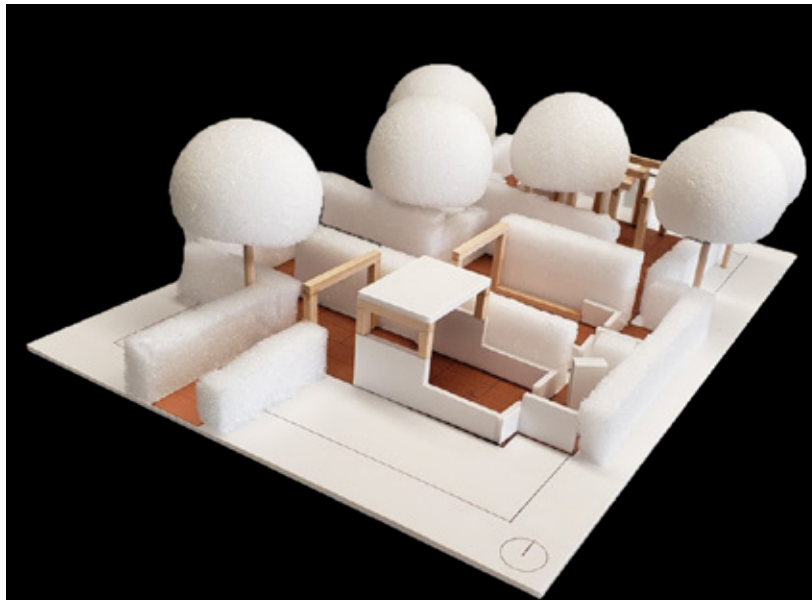
TERM: SPRING 2019  
INSTRUCTOR: JANE OSTERGAARD  
DURATION: 3 WEEKS

## Assignment:

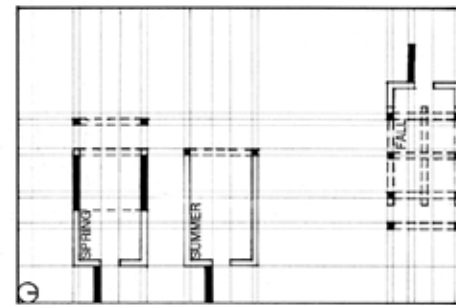
Using a kit of parts, create a sequence of three spaces, connected by a path, each space corresponding to a specific season (Spring, Summer, Fall).

## Concept:

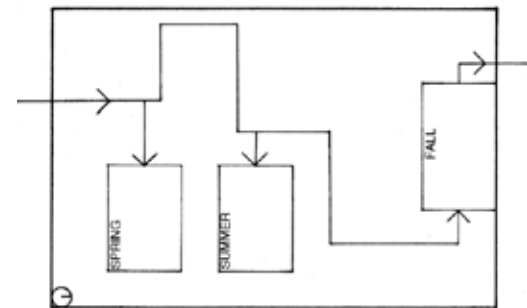
The design uses the concept of discovery as a means to make the viewer curious and move toward the end. This is accomplished by including tall hedges to limit the views into creating glimpses of the next space. This creates a memorable space to be enjoyed. The Spring space uses roofing to both allow protection from the elements while also bringing in the sun; the Summer space brings in even more sun while the Fall space resembles a tree-like roofing pattern further reinforced by the tree placement.



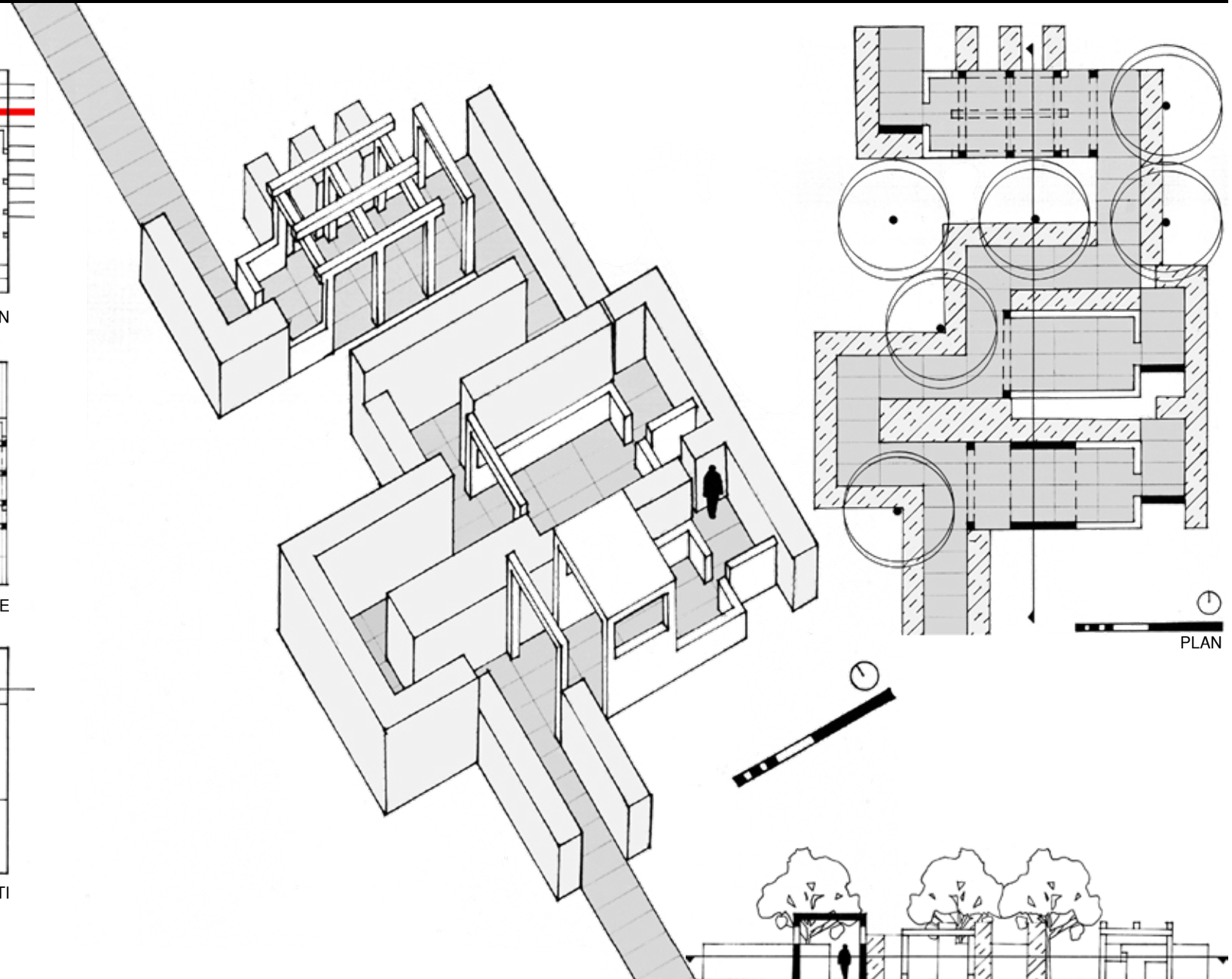
CIRCULATION



STRUCTURE



PARTI



SECTION



# NATURE OF MATERIALS

## Assignment:

Create an abstract composition that embodies the ideas of HSBC by Foster & Partners using wood, glass, concrete, and steel.

## Concept:

The concepts discovered were structural expressionism, Feng Shui, and community gathering. The structural aspect is seen in the composition of the three steel panels continuing into each other. Feng Shui is seen with using concrete as the base in an organic shape to represent the city in the natural world with the wood representing the organic element the building provides. The clear glass towards the base represents the ability to come together in a transparent environment.



## ARCH 1131: INTRO TO ARCHITECTURAL DESIGN

TERM: SPRING 2019  
INSTRUCTOR: JANE OSTERGAARD  
DURATION: 2 WEEKS





# INSPIRATIONS COLLAGE

## Assignment:

Create a composition of inspirations that embody a concept, reinforced by its use of compelling images, beautiful materials, and a found object.

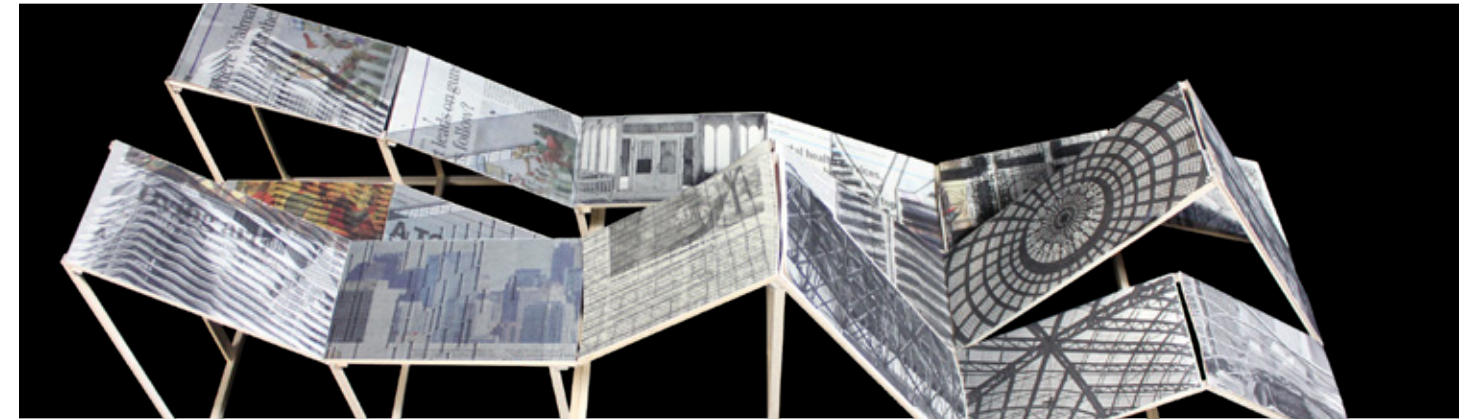
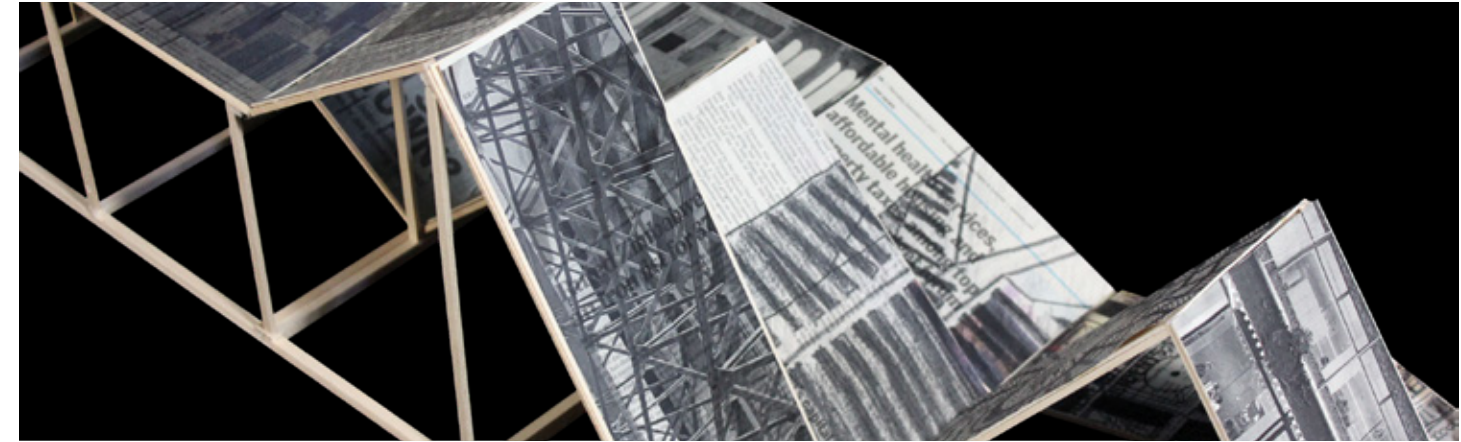
## Concept:

The concept is that the city is more than just buildings and structures. While the form fragments upward, it results in more intense cultural and societal issues. The materials used are wood and newspaper, the wood being a representation of the structural grid Chicago was built on. The newspaper is accentuated as a beautiful material by setting it as the canvas.



## ARCH 2201: ARCHITECTURAL DESIGN I

TERM: FALL 2019  
INSTRUCTOR: MARK PEARSON  
DURATION: 2 WEEKS





# CENTER FOR GREAT LAKES ECOLOGY

ARCH 2201: ARCHITECTURAL DESIGN I

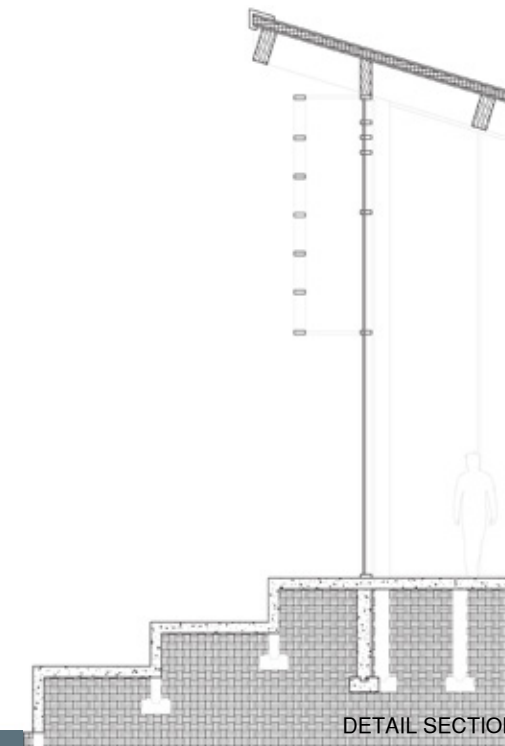
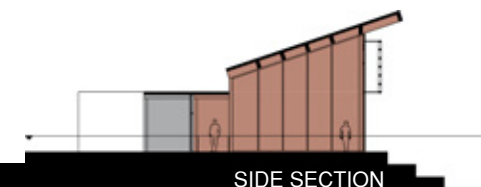
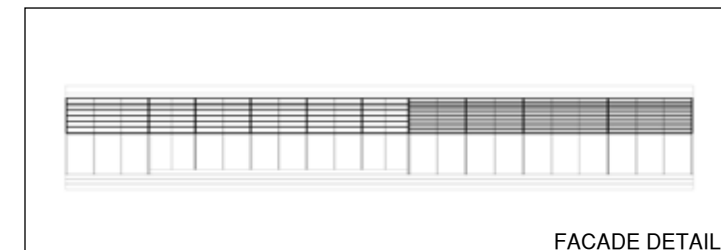
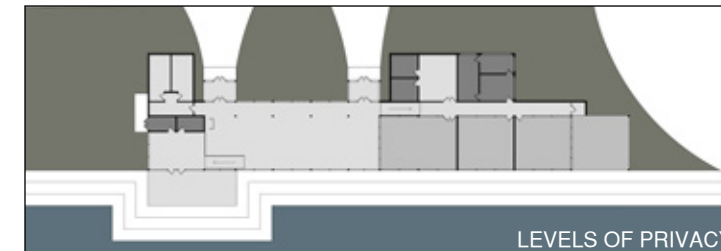
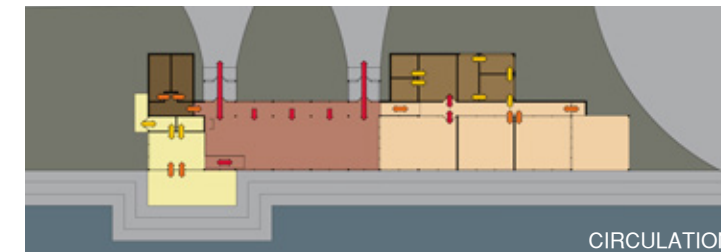
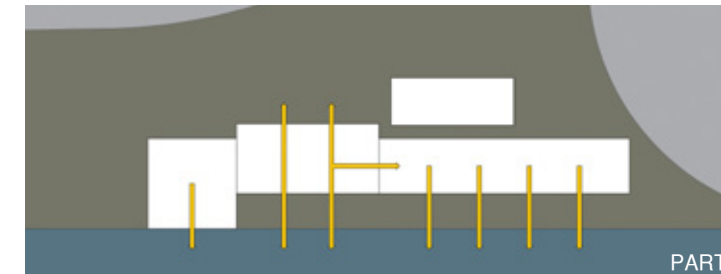
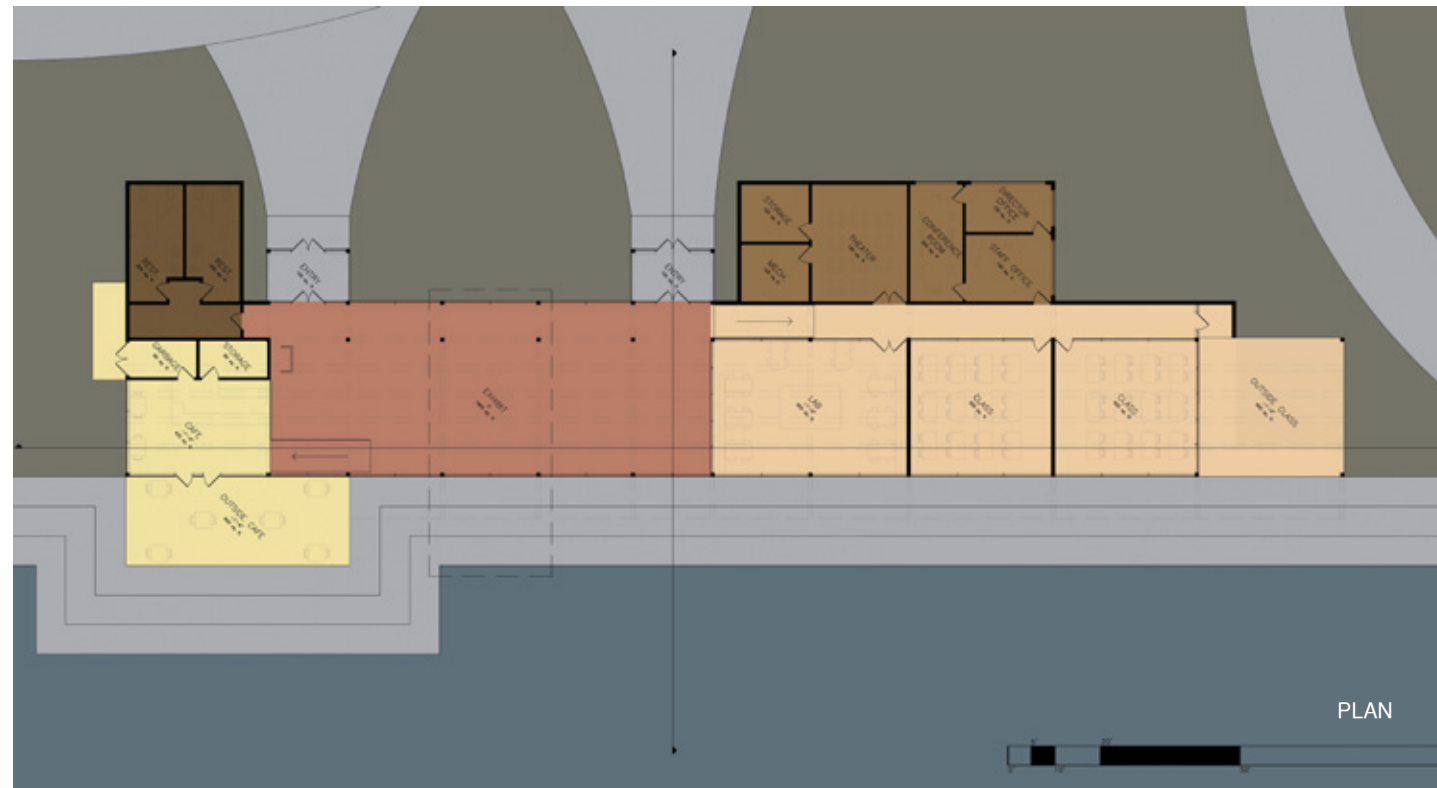
TERM: FALL 2019  
INSTRUCTOR: MARK PEARSON  
DURATION: 12 WEEKS

## Assignment:

To create an environmental education center located on the Chicago lakefront near North Avenue beach with a specific design concept.

## Concept:

This project embodies the idea of transparency. The glass walls on the front and back of the building allow for views of both nature and urban areas. Sitting between the Chicago skyline and Lake Michigan; one would be educated about environmental issues within this space. The exhibit, cafe, and classroom spaces of the building sit closest to the water to experience nature more directly.

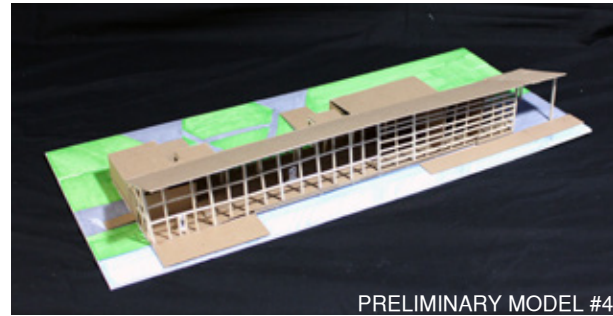
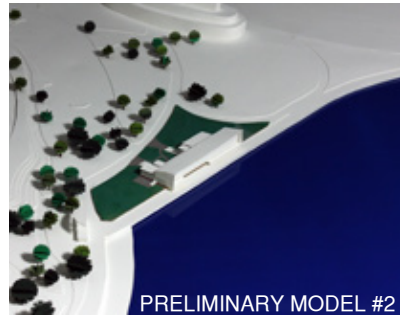
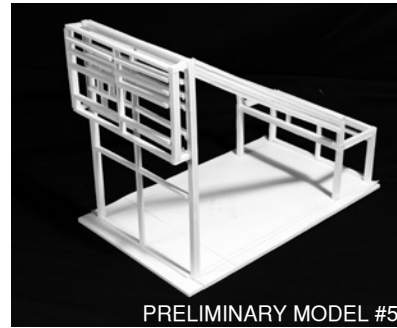
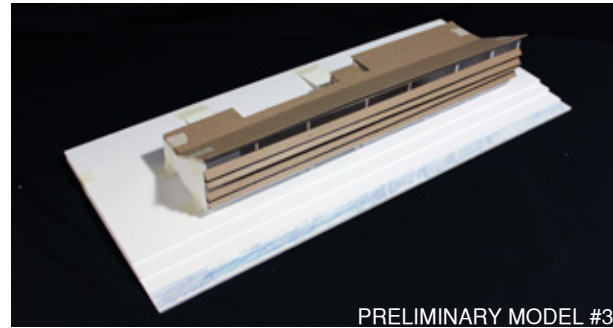
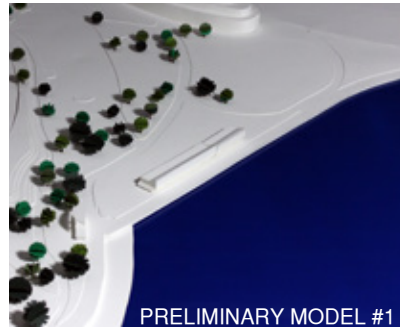




# CENTER FOR GREAT LAKES ECOLOGY

ARCH 2201: ARCHITECTURAL DESIGN I

TERM: FALL 2019  
INSTRUCTOR: MARK PEARSON  
DURATION: 12 WEEKS

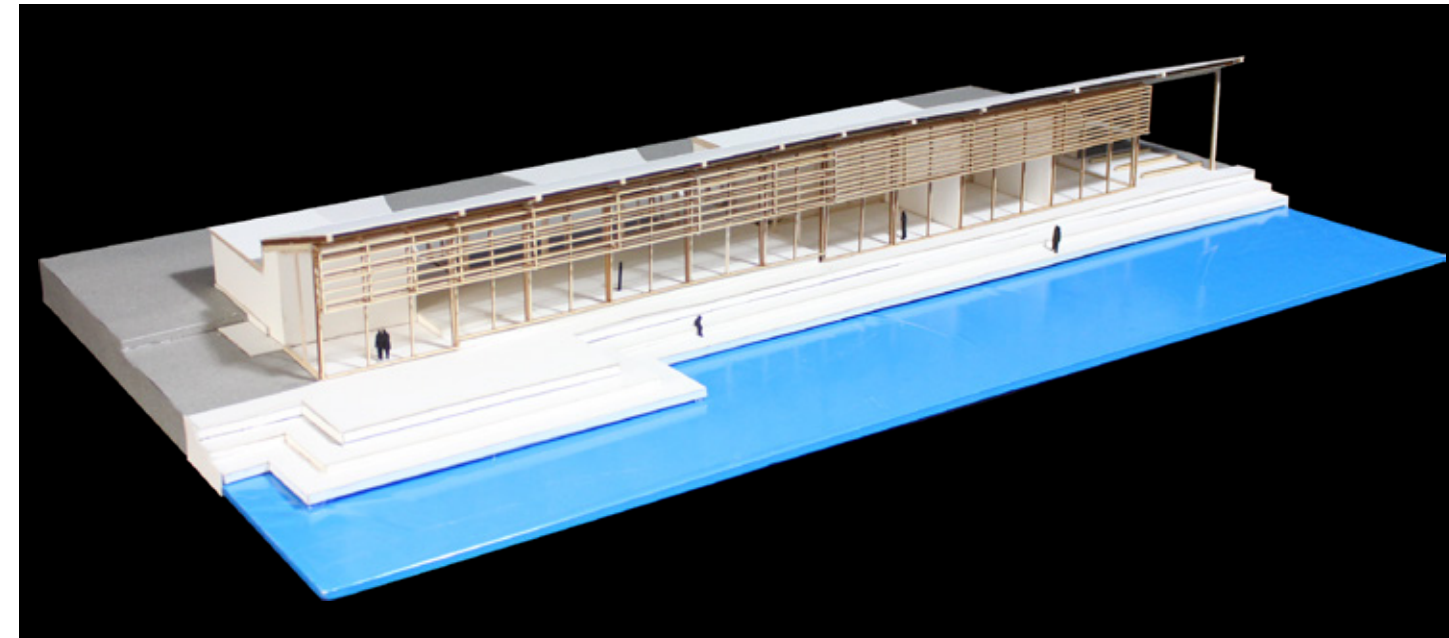
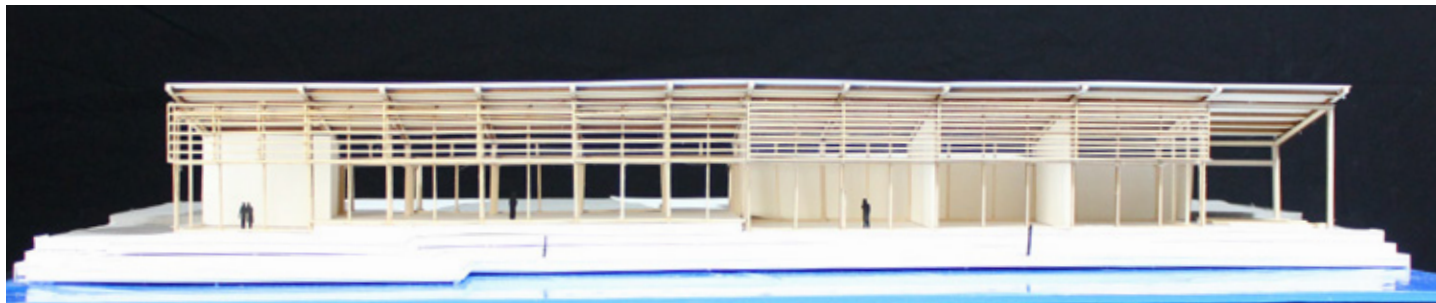
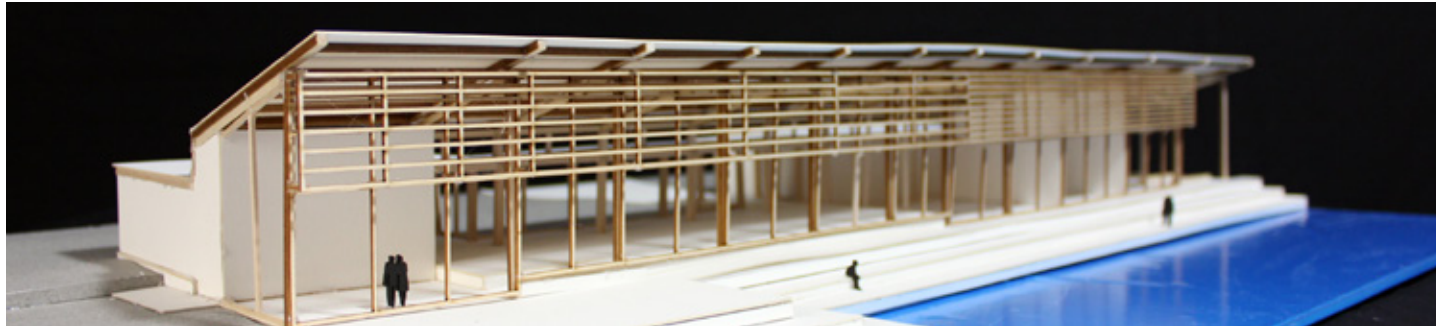




# CENTER FOR GREAT LAKES ECOLOGY

ARCH 2201: ARCHITECTURAL DESIGN I

TERM: FALL 2019  
INSTRUCTOR: MARK PEARSON  
DURATION: 12 WEEKS





# LIGHT WALL

ARCH 2202: ARCHITECTURAL DESIGN II

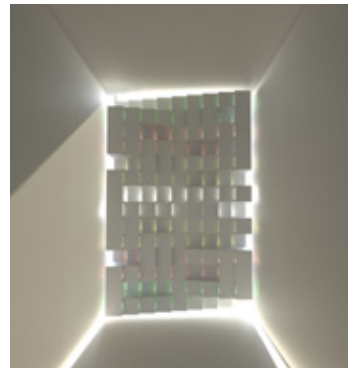
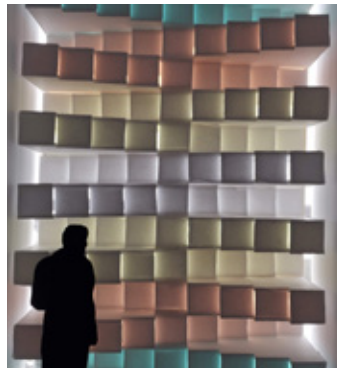
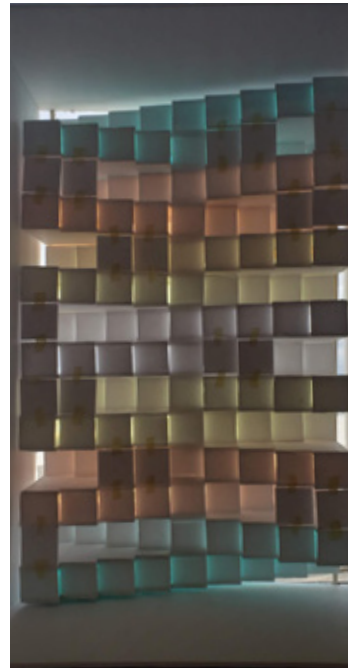
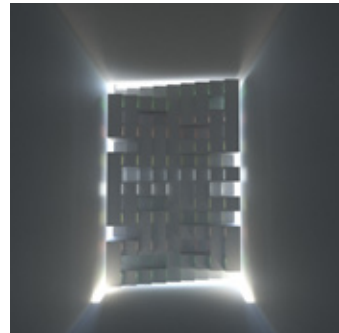
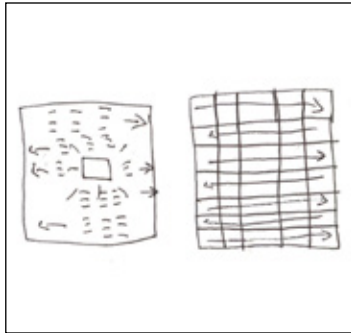
TERM: SPRING 2020  
INSTRUCTOR: MARK PEARSON  
DURATION: 3 WEEKS

## Assignment:

Create a composition in the section view of a wall that embodies a concept, reinforced by its use of natural lighting. This was a group project where I was responsible for the concept direction, initial design, grid assembly, color selection, and served as a group leader.

## Concept:

The wall gives off an omniscient, ambient glow that makes the viewer question where the light is coming from. This may be a meditative space embodied by the glowing perimeter and casting lights on the panels. The colors are used to create a calming atmosphere that reacts to the sun's position throughout the day and season.





# URBAN INFIL

## ARCH 2202: ARCHITECTURAL DESIGN II

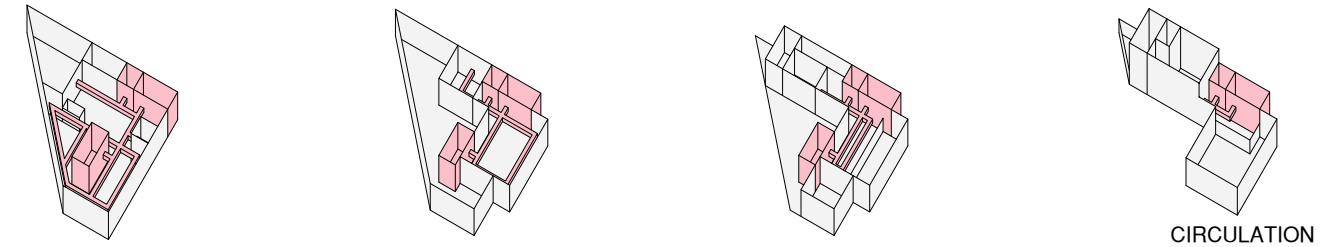
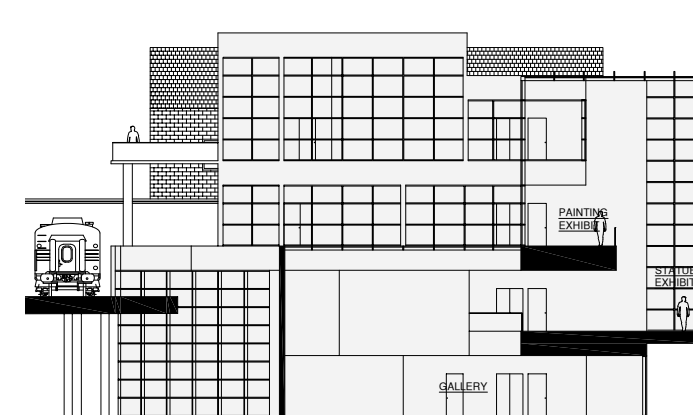
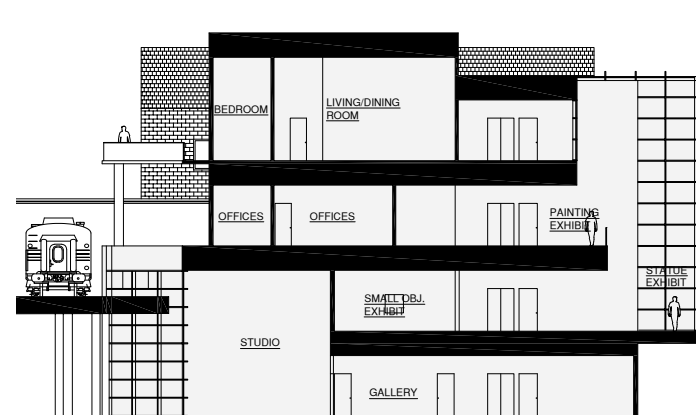
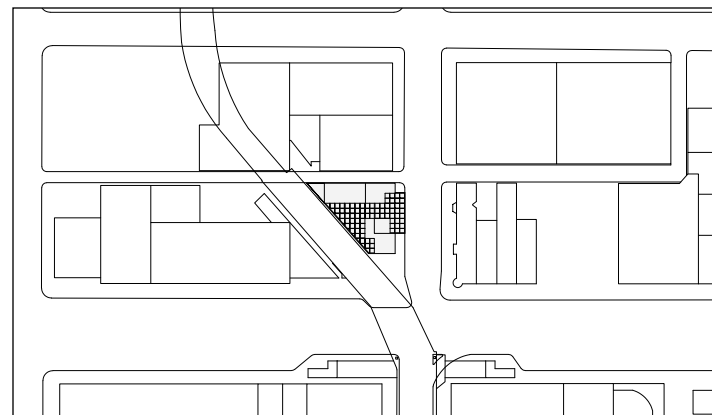
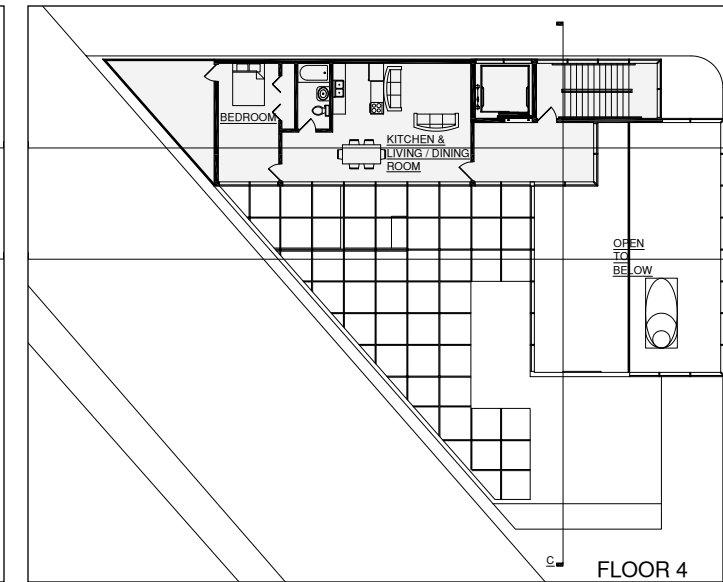
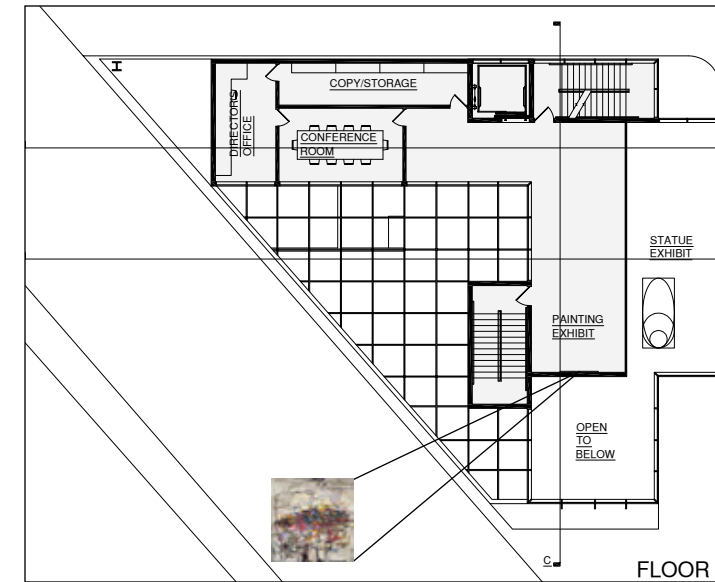
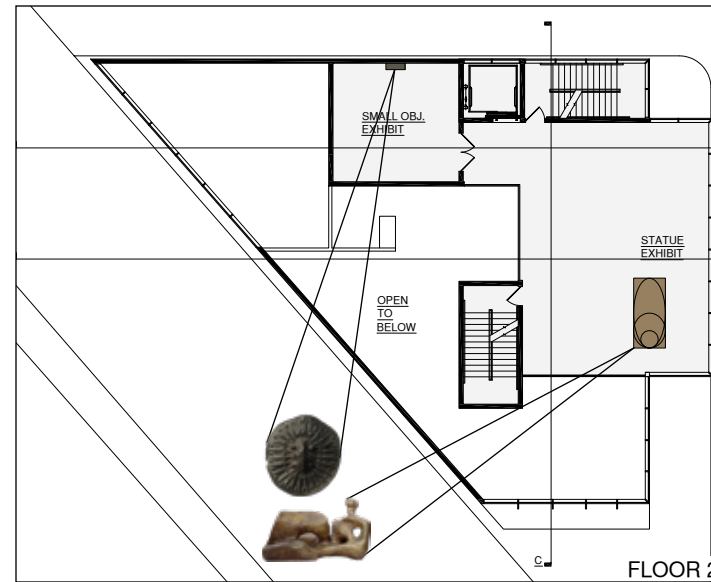
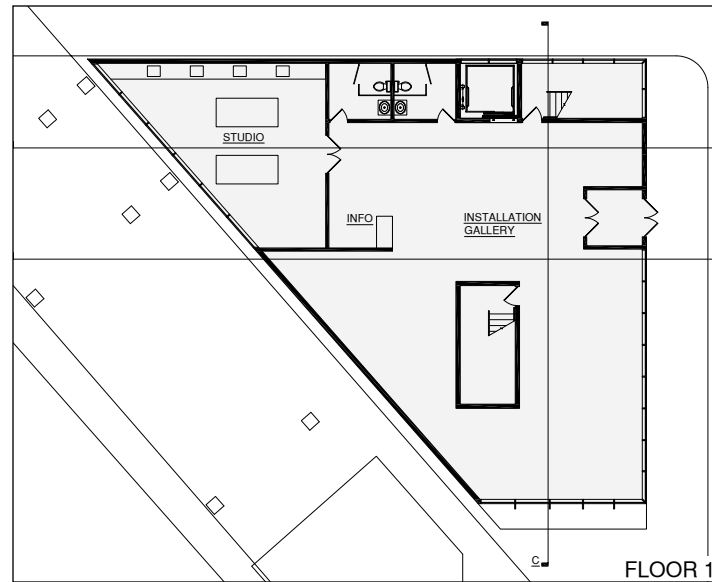
TERM: SPRING 2020  
INSTRUCTOR: MARK PEARSON  
DURATION: 12 WEEKS

### Assignment:

Create a building in Chicago's river north gallery district that functions with public gallery spaces, a private art studio, and a residential space. The building must be responsive to its environment while functioning for urban living. The exhibits must house three art pieces from the Art Institute of Chicago

### Concept:

The building aims to reflect Chicago in its use of the grid system seen through a block-like structure. By being cubic, the building reflects the environment around it with the general essence of the thin site and broader city. The artworks chosen are Reclining Figure (statue), Sheild (small object), and City Landscape (painting).

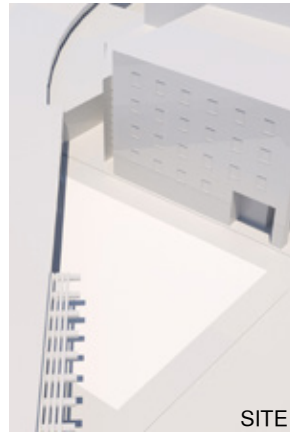




# URBAN INFIL

## ARCH 2202: ARCHITECTURAL DESIGN II

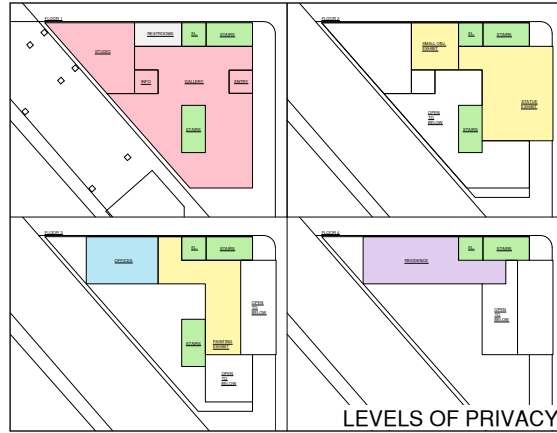
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INSTRUCTOR: MARK PEARSON  
DURATION: 12 WEEKS



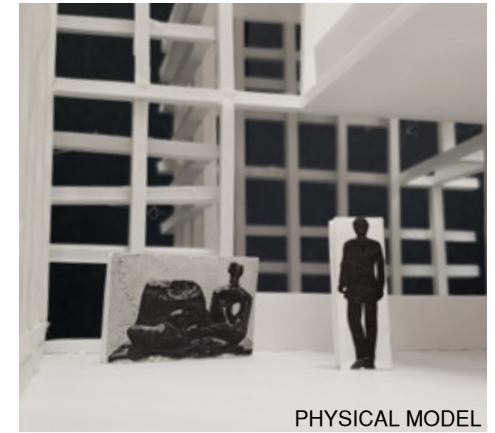
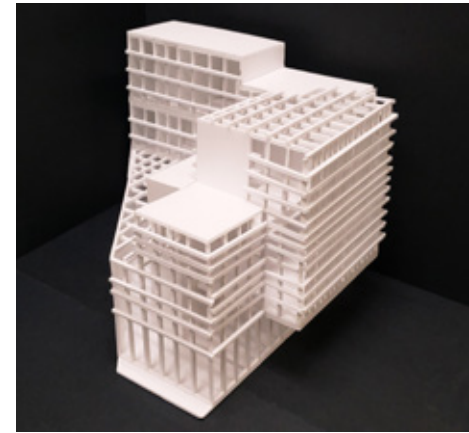
SITE



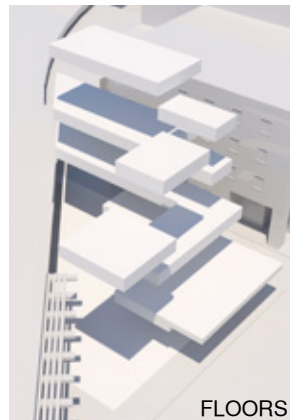
PARTI



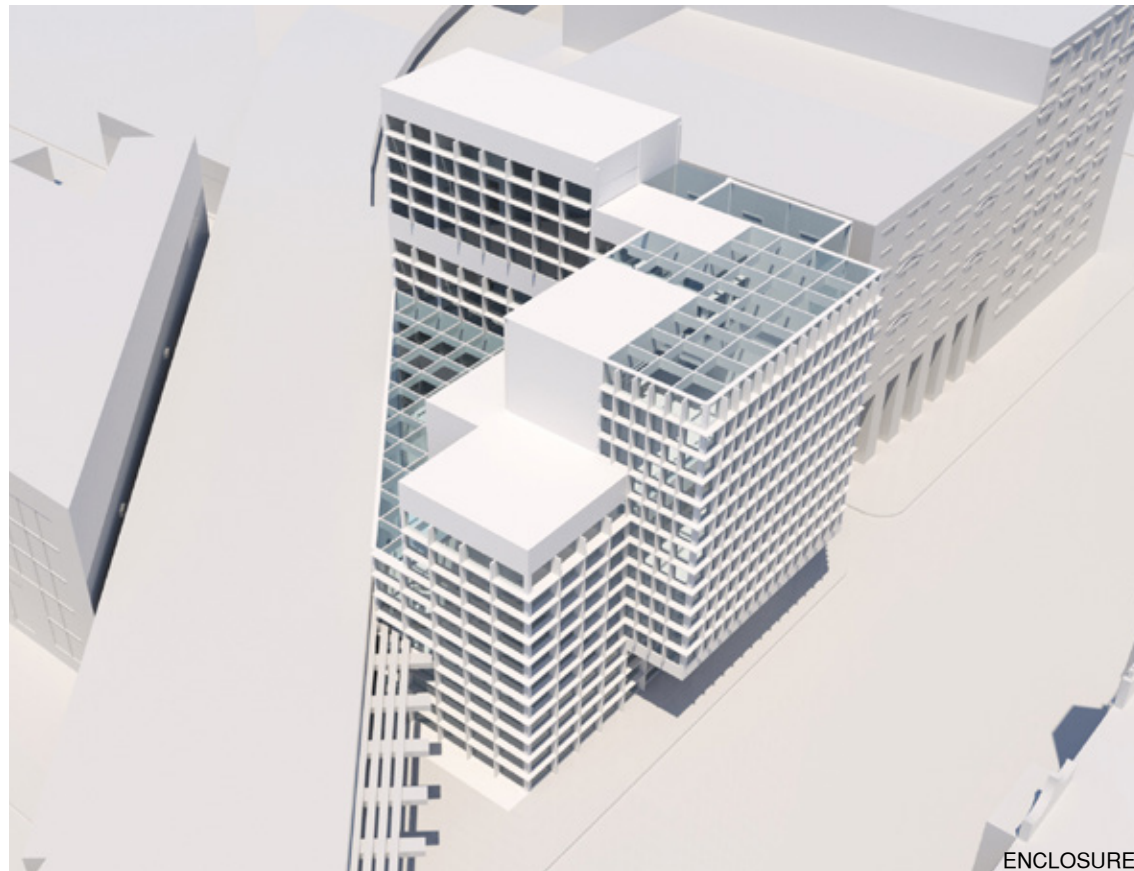
LEVELS OF PRIVACY



PHYSICAL MODEL



FLOORS



ENCLOSURE



WALLS



STREET VIEW



