

DAVID ZIETEK  
PORTFOLIO

# ORTHOGRAPHIC AND PARALINE DRAWING

COURSE: Architecture design Communication (ARCH 1121)

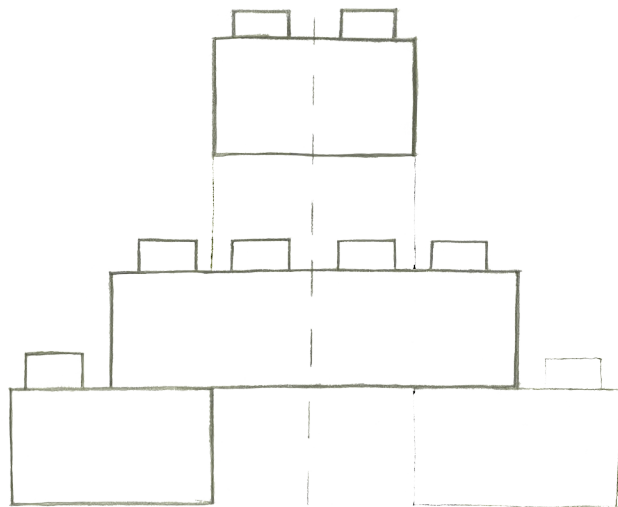
INSTRUCTOR: Mark Pearson

DURATION: 3 week

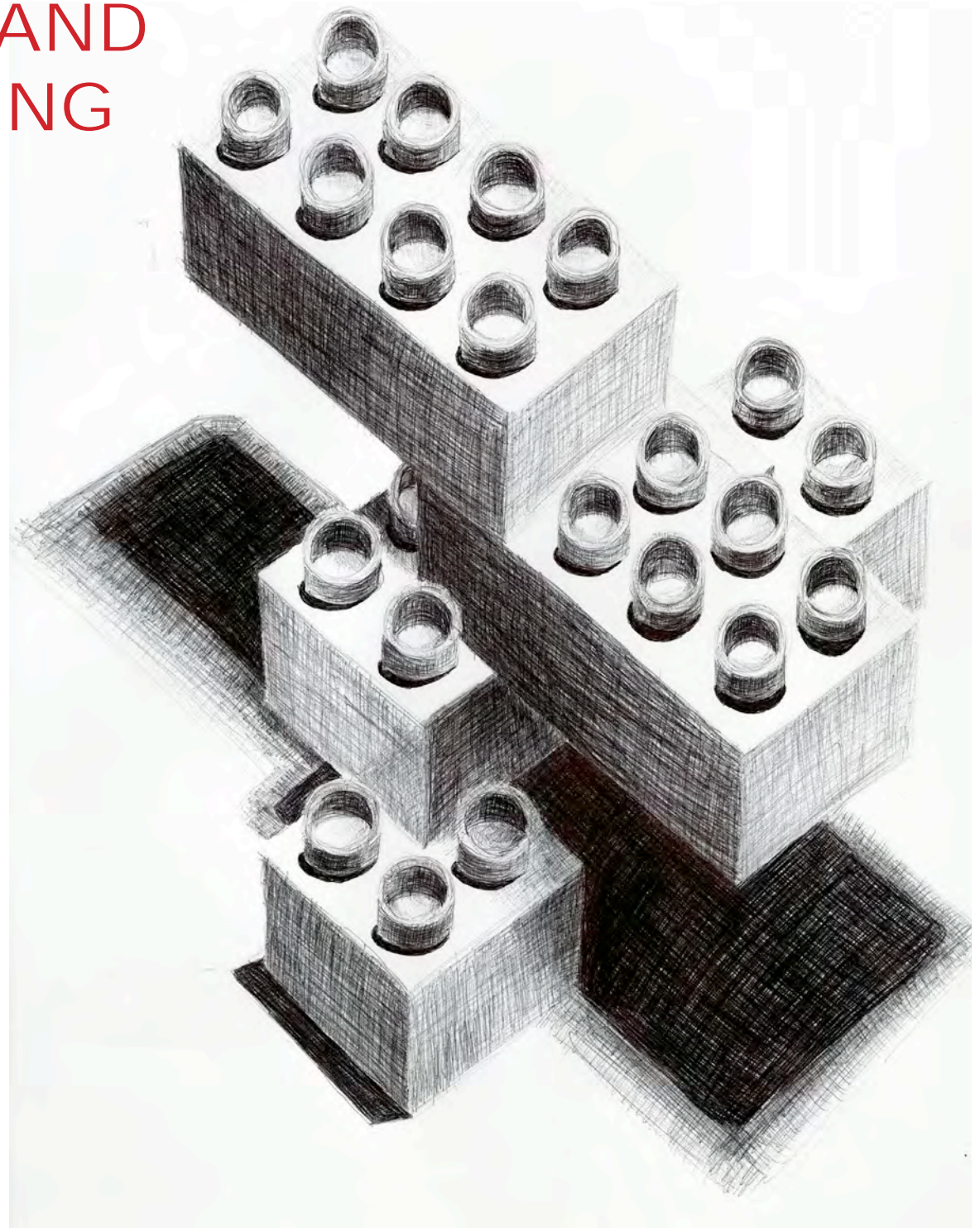
## PROJECT DESCRIPTION:

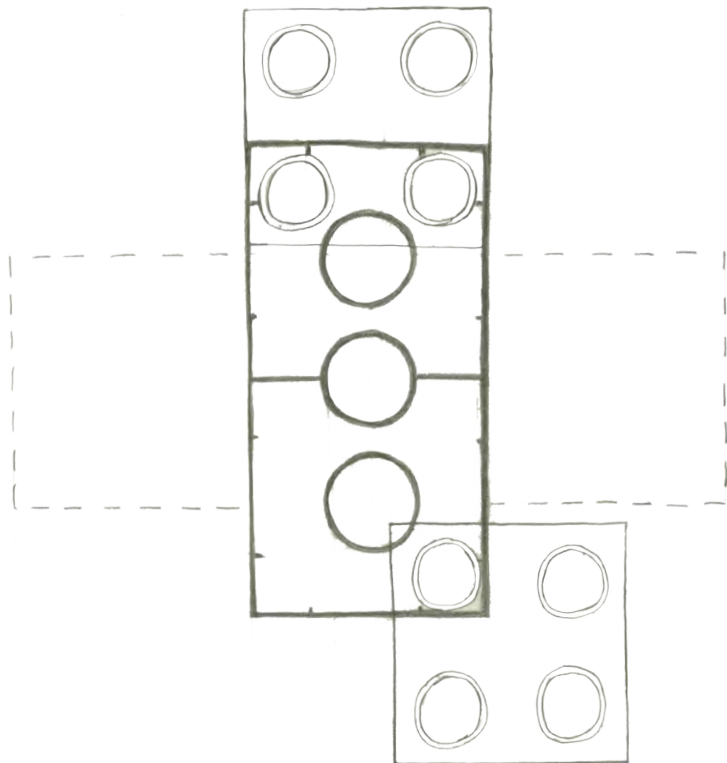
The project consisted of 5 Duplo Blocks; all of which were connected into one unique composition. A set of comprehensive drawings were then created using freehand or ink methods.

Orthographic and parallel views were utilized for each respective drawing.

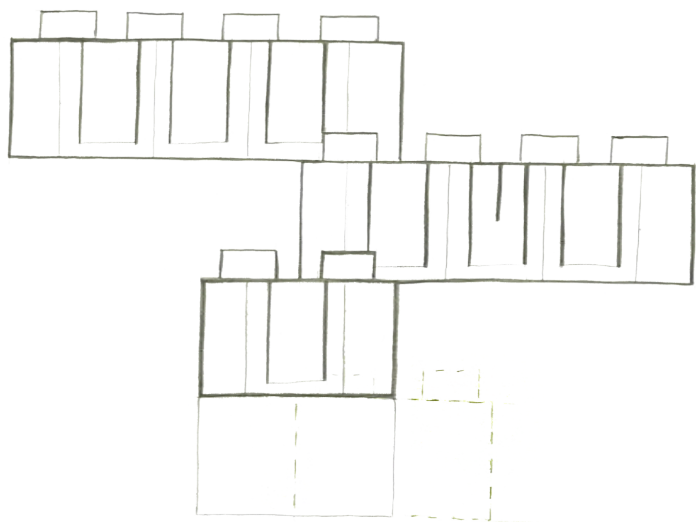


Elevation

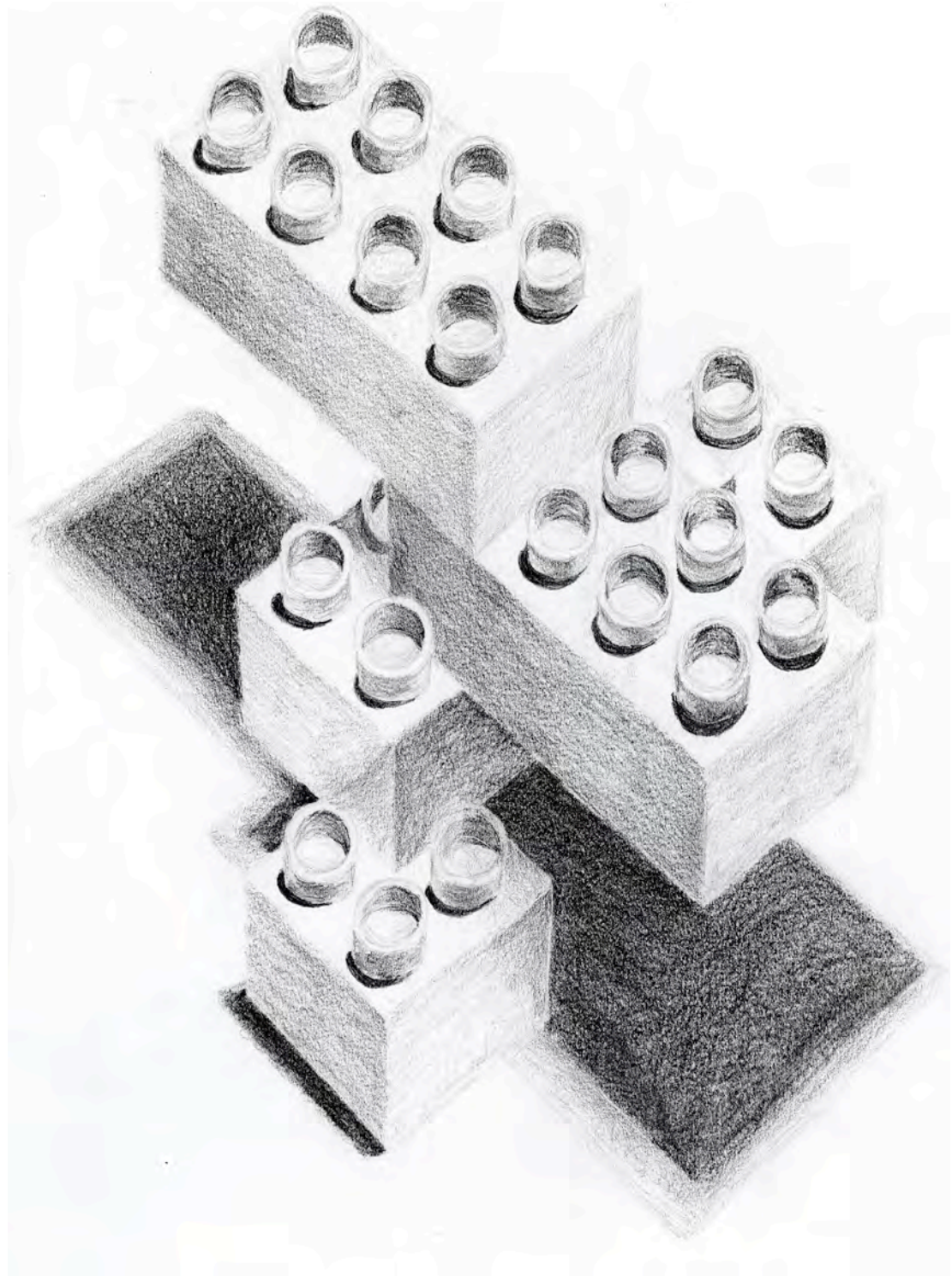




Plan



Section





# STILL LIFE DRAWINGS

COURSE: Architecture design Communication (ARCH 1121)

INSTRUCTOR: Mark Pearson

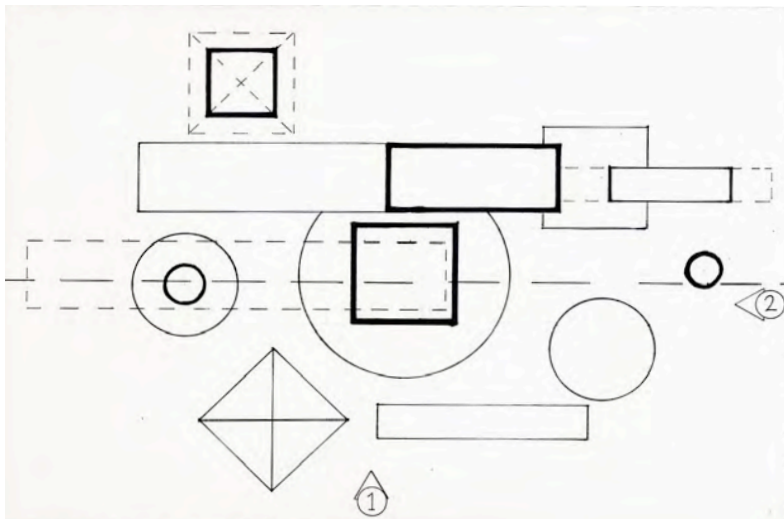
DURATION: 4 week

## PROJECT DESCRIPTION:

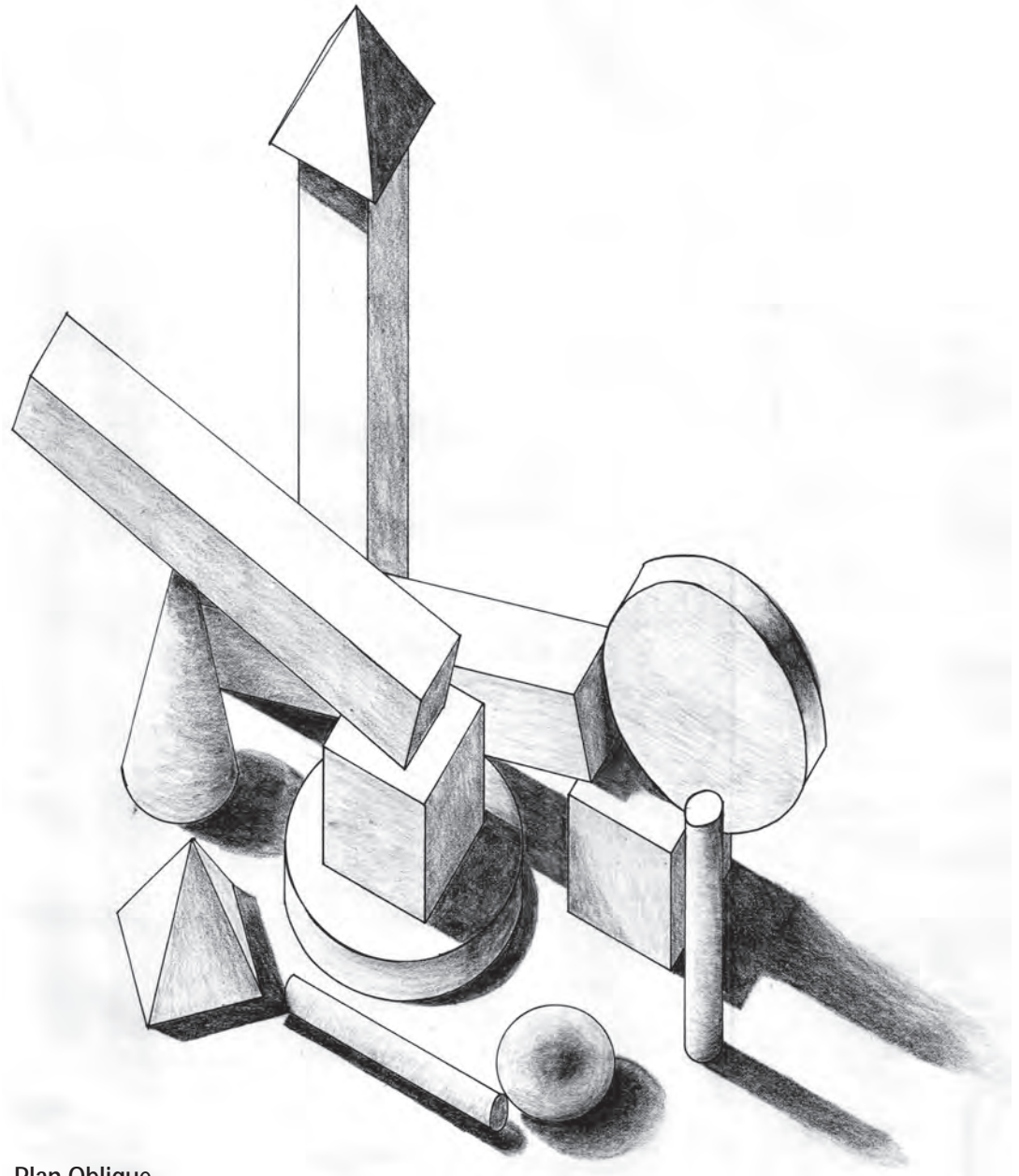
Still life is an assembly of simple geometric forms which include cubes, cones, spheres, pyramids, disks, columns, and towers. The construction involves various materials which were developed into one single geometric form while working in a group setting.

Using the form to hand-draw technique, 3 contour drawings were created. These included a tone outline, white tone on black paper, and ink with tonal value.

Additionally, a plan, 2 elevations, section, and oblique plan were drafted. Lastly, the project required to design and construct a case which was used to carry the modeled pieces and other necessary materials.



Plan

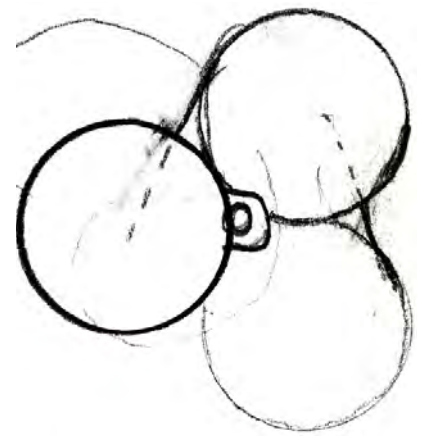
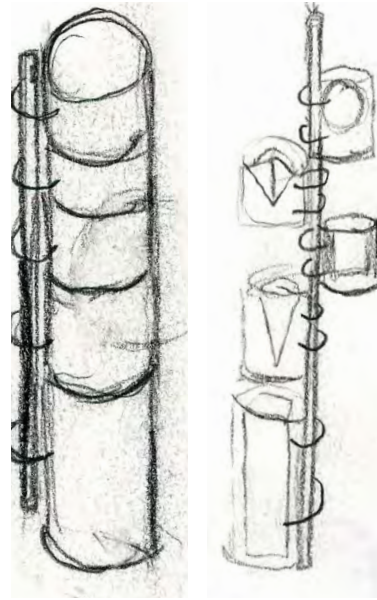


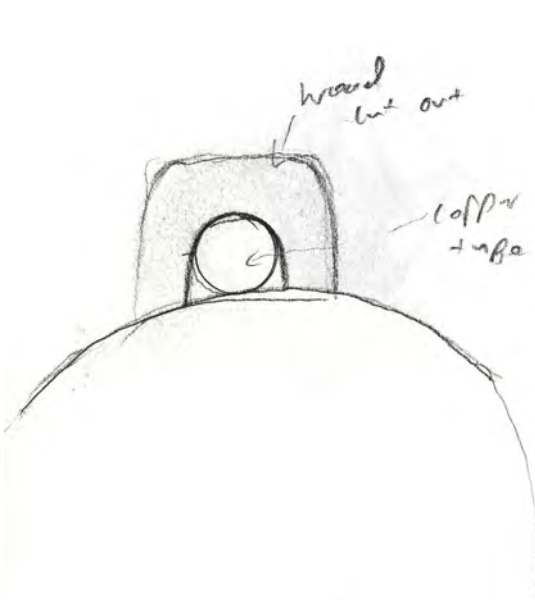
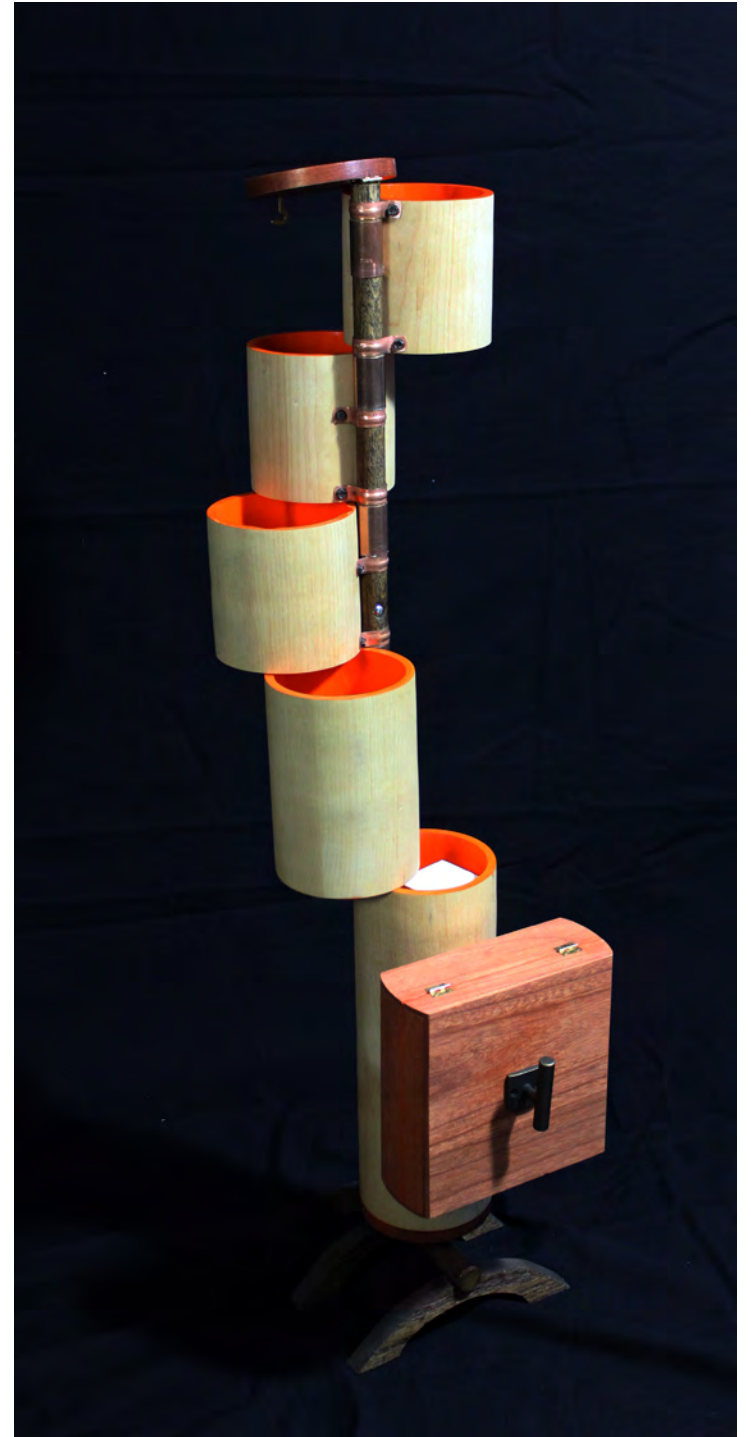
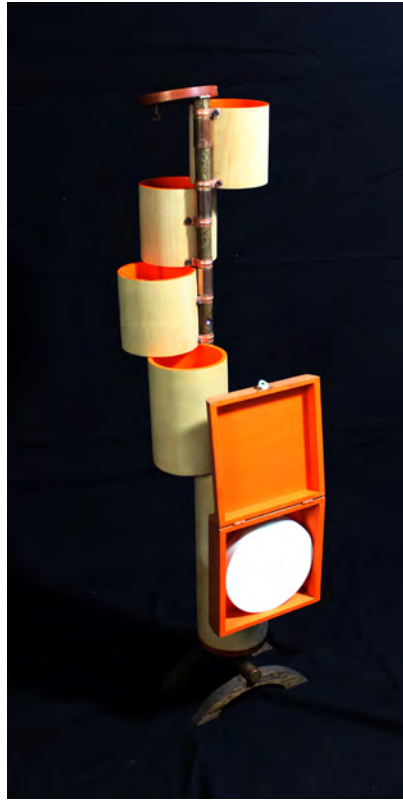
Plan Oblique



B&W Contour









# TEXTURE DRAWING

COURSE: Architecture design Communication (ARCH 1121)

INSTRUCTOR: Mark Pearson

DURATION: 4 week

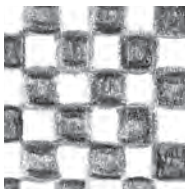
## PROJECT DESCRIPTION:

For this assignment, a 6" square collage was created using a number of different materials; all of which have their own unique texture.

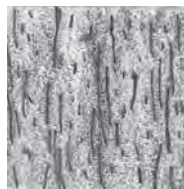
**In order for the textures to look realistic, the final step required for the collage to be hand-drawn with utmost accuracy.**



Ruber Mat



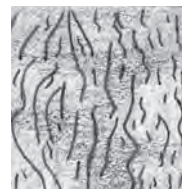
Walnut wood



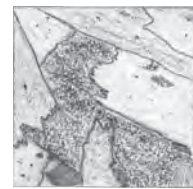
Grass



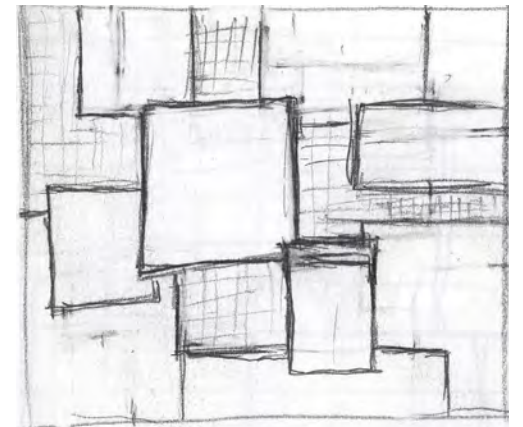
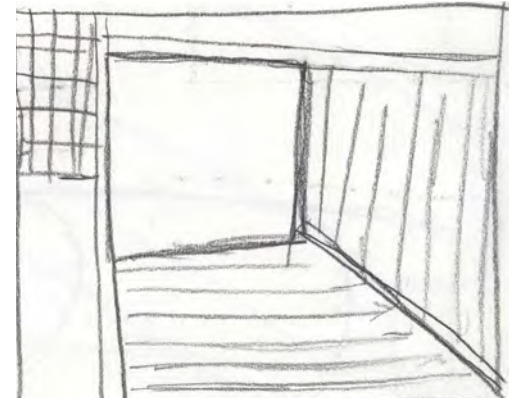
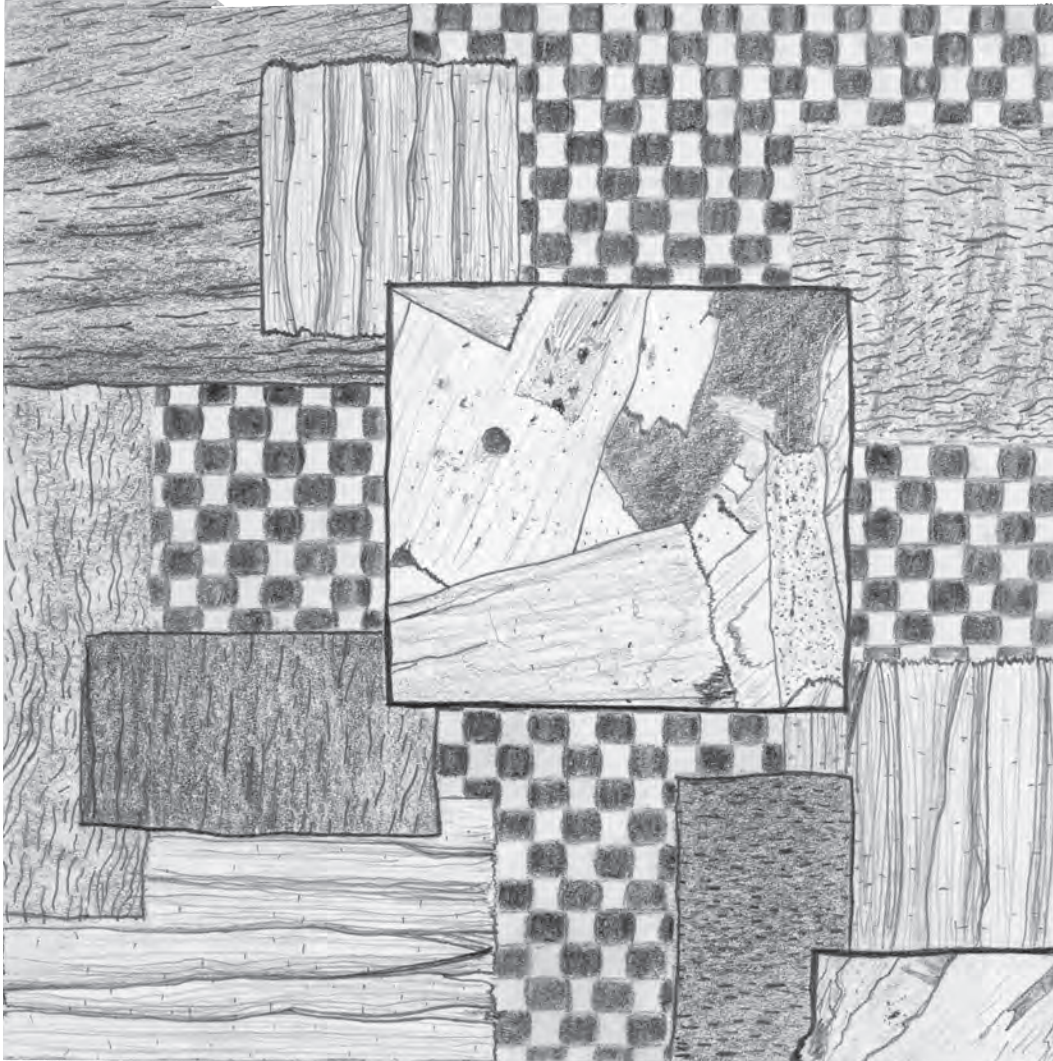
Cherry wood



OSB







# BARCELONA PAVILION

COURSE: Architecture design Communication (ARCH 1121)

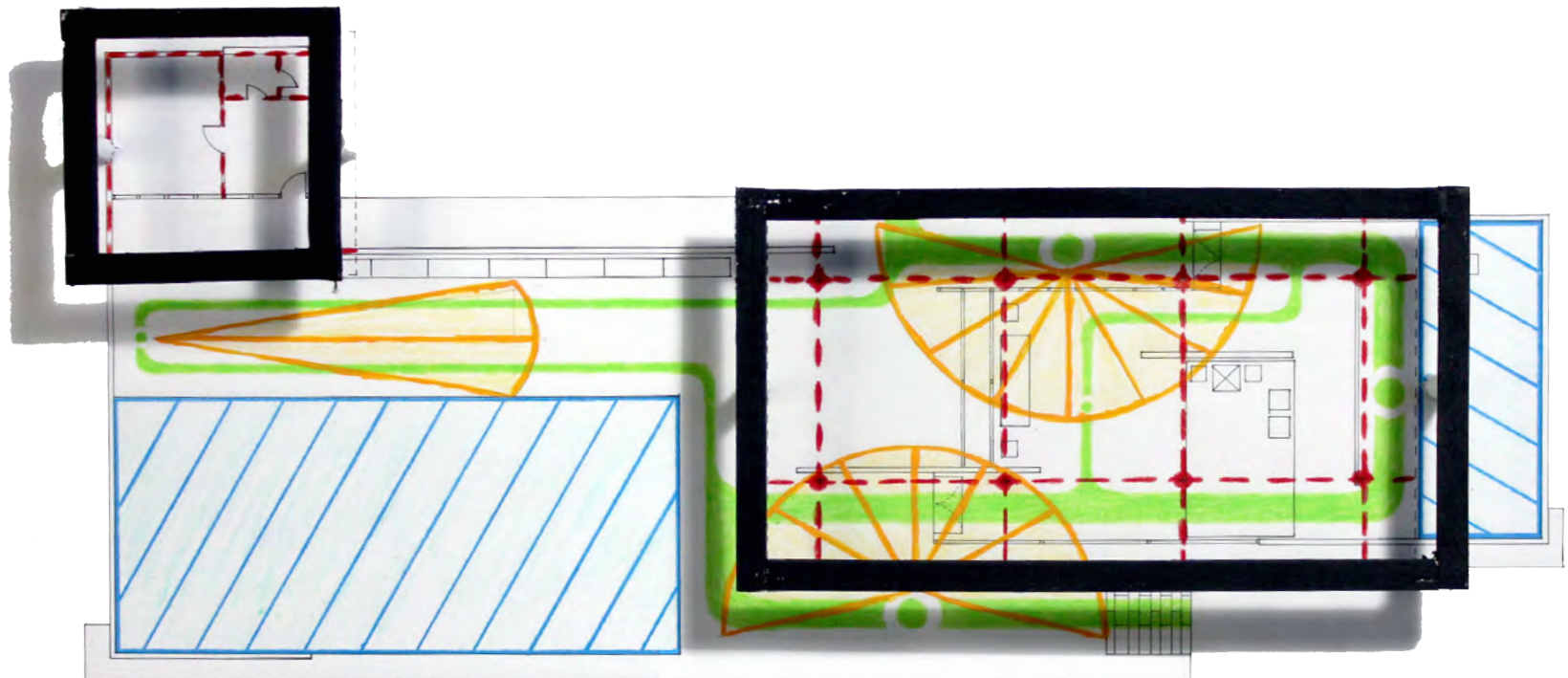
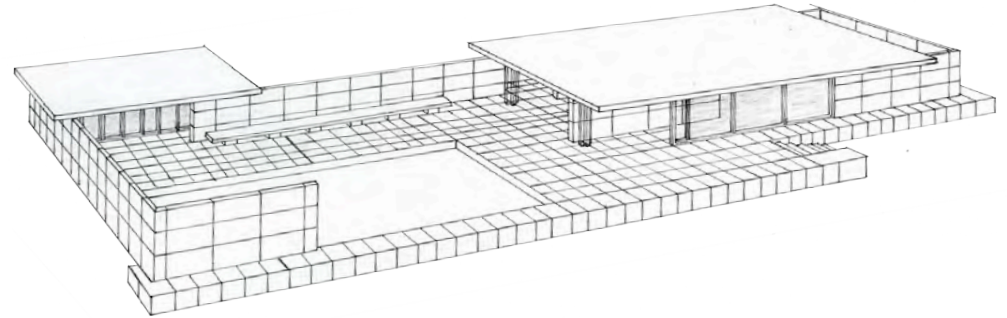
INSTRUCTOR: Mark Pearson

DURATION: 4 week

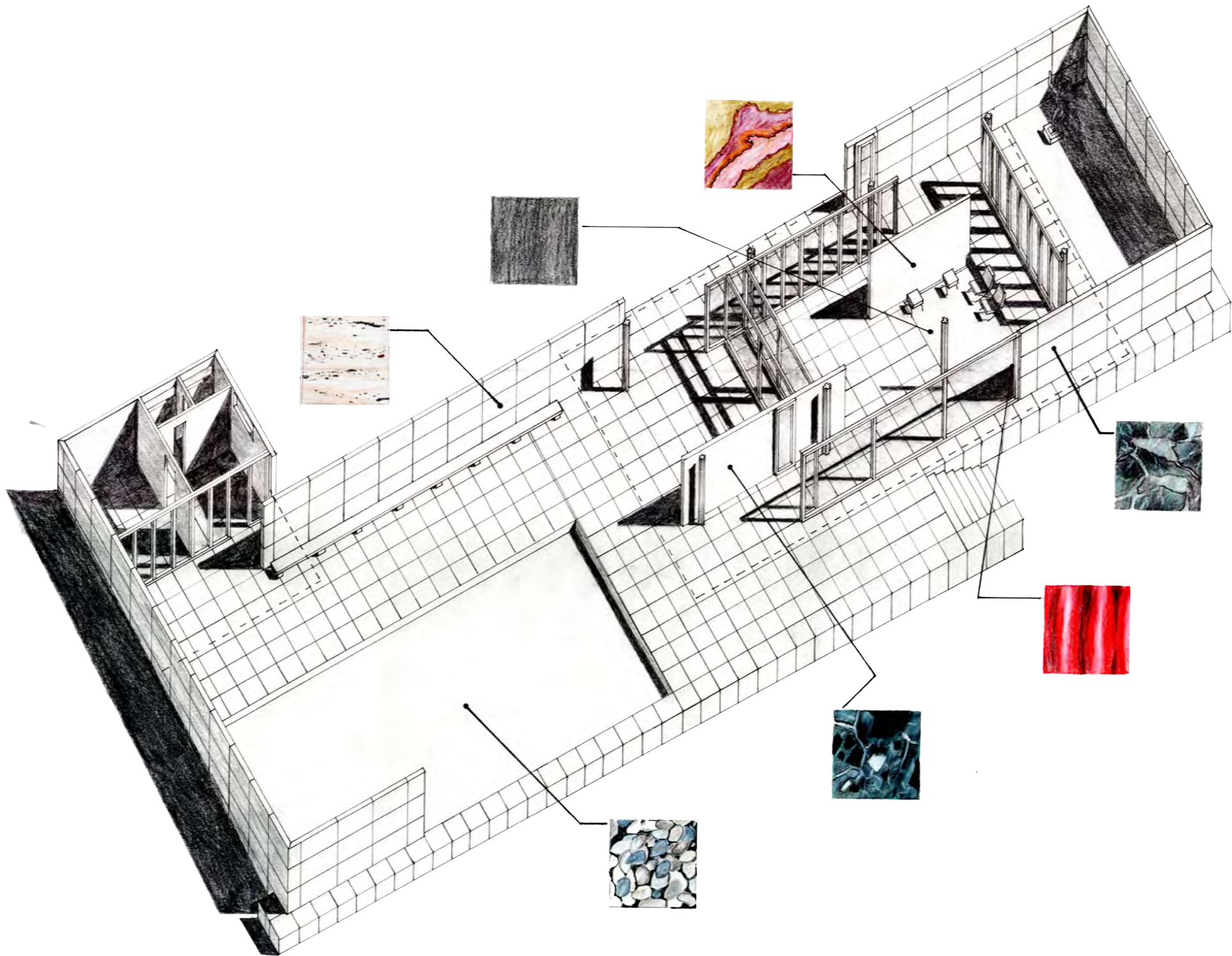
## PROJECT DESCRIPTION:

Using Mies van der Rohe's famous work of "The Barcelona Pavilion" as a foundation, a detailed analysis of the work was derived in order to construct a hand drafted plan oblique drawing at a scale of  $1/8" = 1' - 0"$ .

Furthermore, the project required to analyze and graphically describe the circulation paths, lines of sight, solids, voids, and structural systems conveyed in Mies' abstract idea.







# PERSPECTIVE JOURNEY

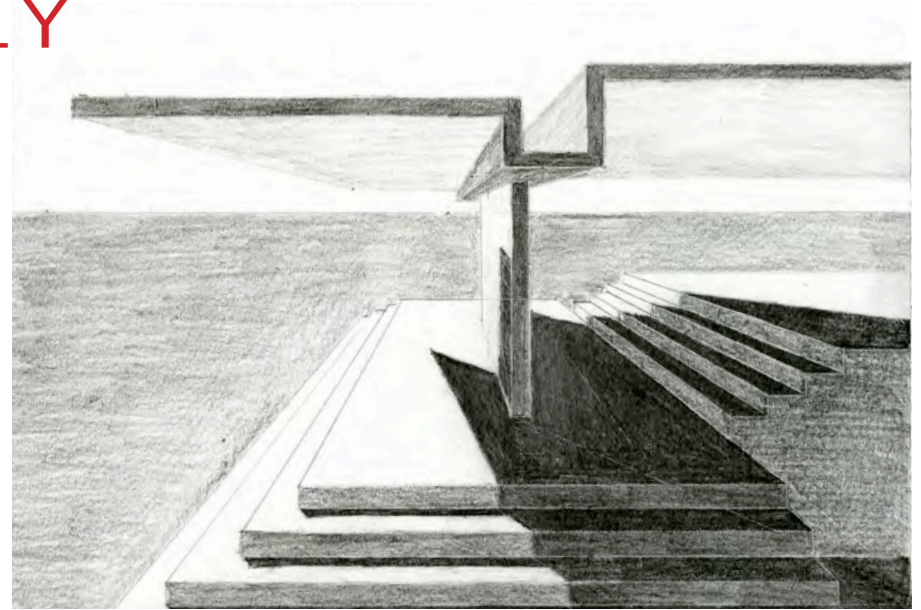
COURSE: Architecture design Communication (ARCH 1121)

INSTRUCTOR: Mark Pearson

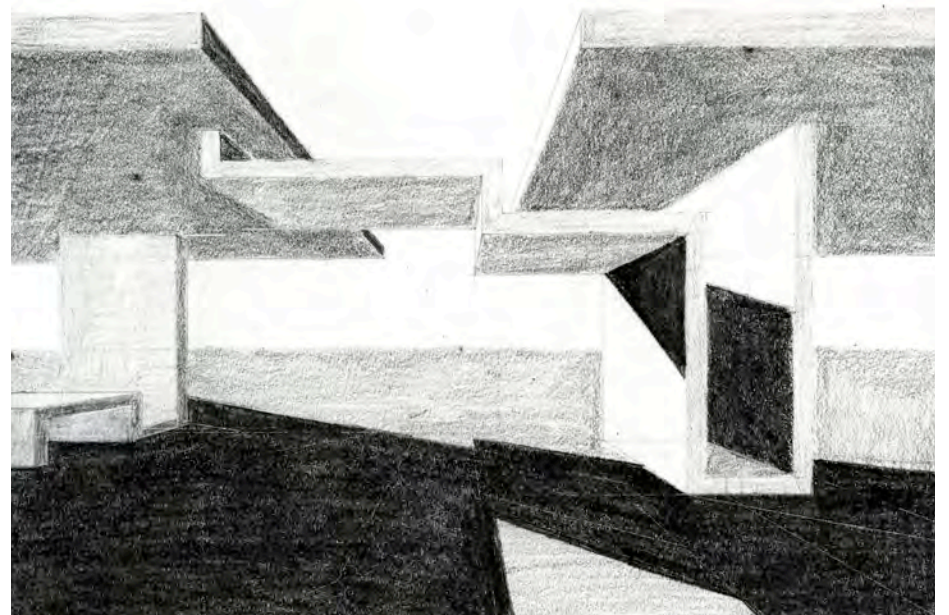
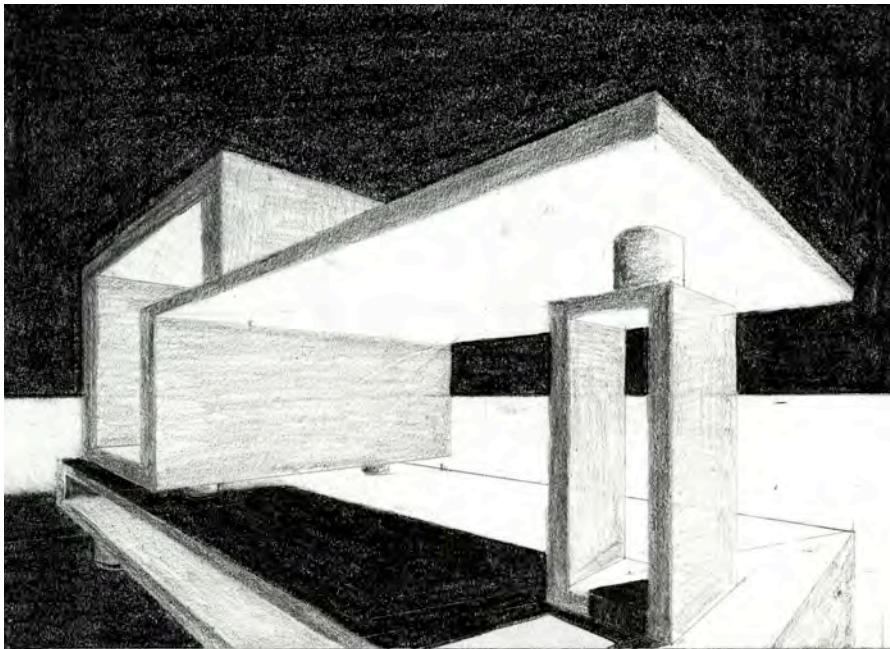
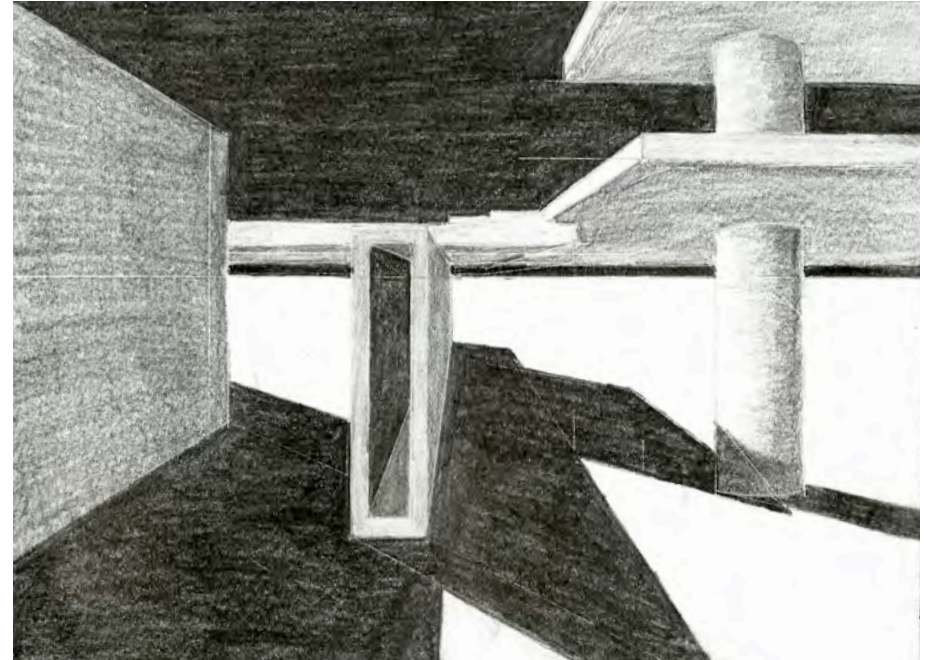
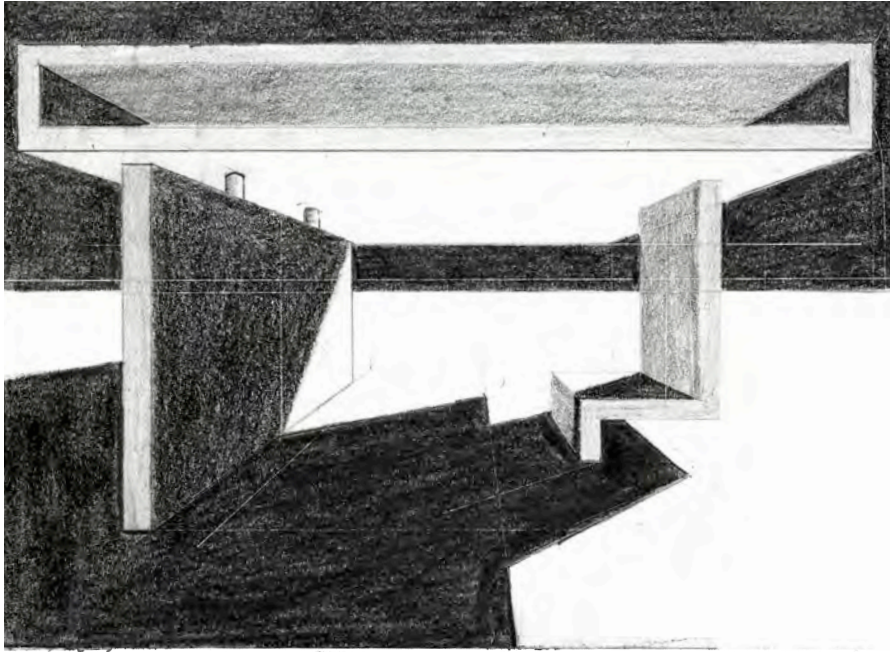
DURATION: 4 week

## PROJECT DESCRIPTION:

In this project, space and form was explored using perspective drawings. A total of 8 vignette drawings were produced, 4 two-point perspectives, and 4 one-point perspectives. To make the space seem more realistic, tones and shadows were also drawn. At the end, a model was developed using one of the vignettes that was deemed most interesting.









# SPATIAL SEQUENCE

COURSE: Introduction to architecture design Communication  
(ARCH 1131)

INSTRUCTOR: Jane Ostergaard

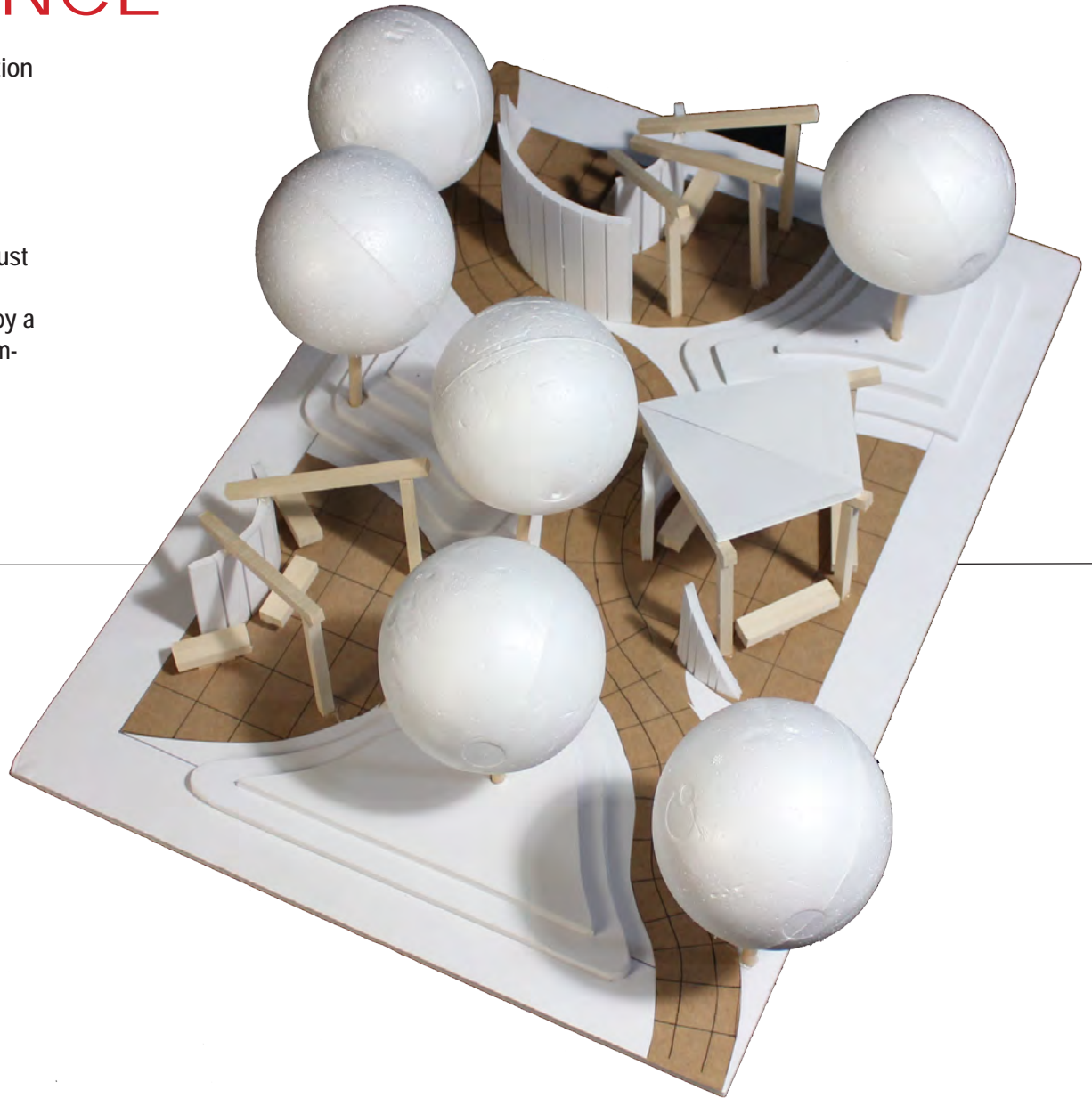
DURATION: 2 week

## PROJECT DESCRIPTION:

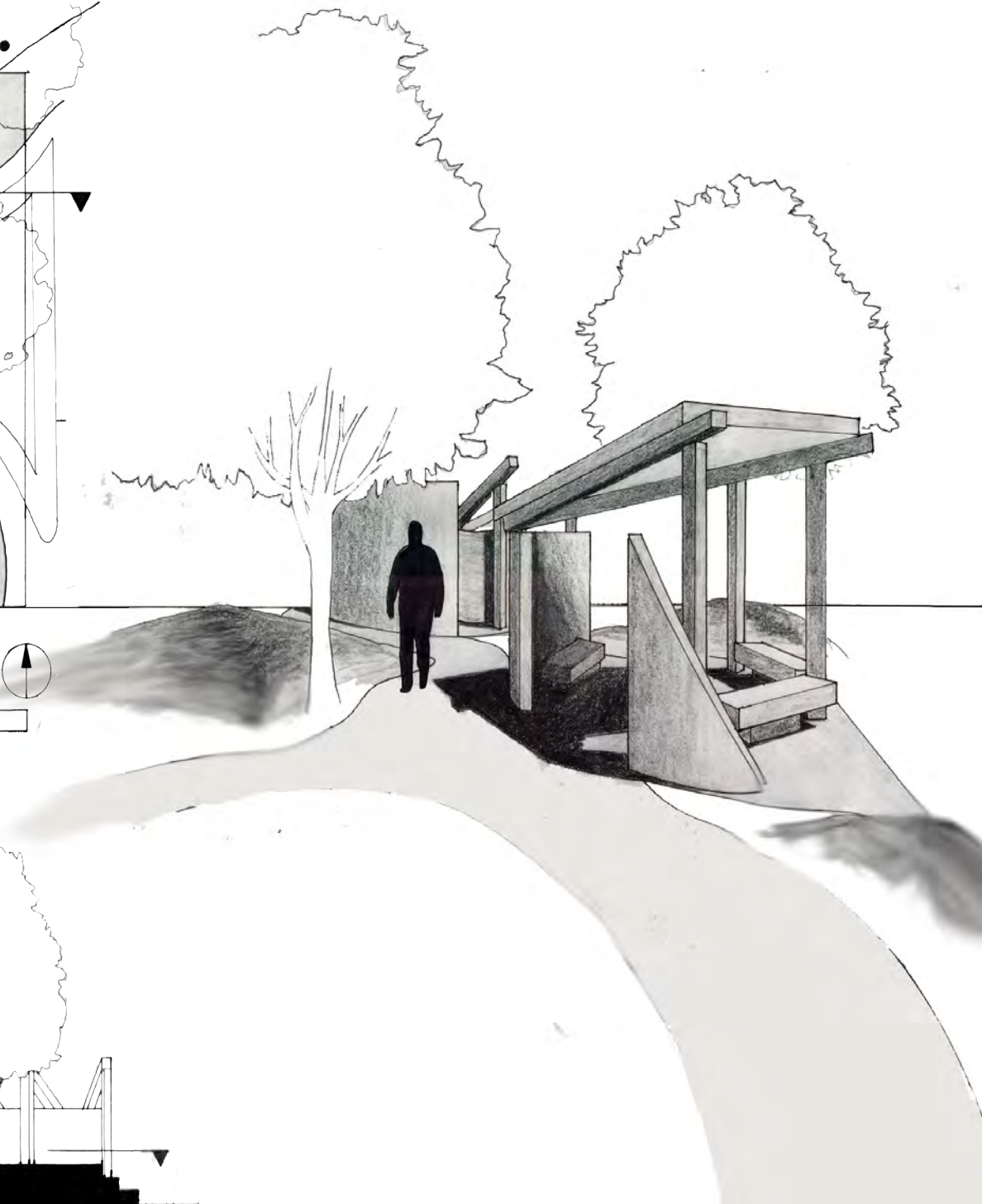
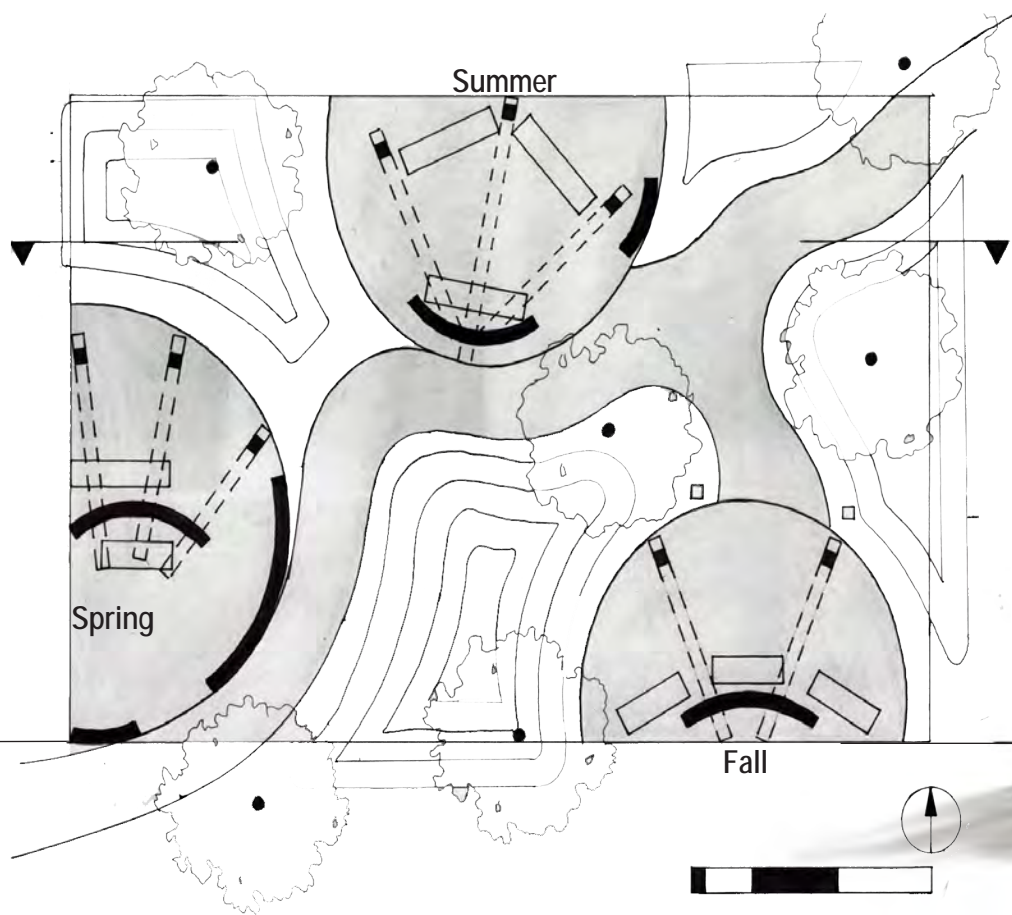
This project required a sequence of 3 spaces which design must **be specifically suited for spring, summer, and fall while using only a limited supply of parts.** All spaces must be connected by a single path and the architecture should share a common geometry.

## CONCEPT:

A river can be rapid, aggressive, and relaxing just like the seasons







# INSPIRATIONS COLLAGE

COURSE: Architecture design 1 (ARCH 2201)

INSTRUCTOR: Mark Pearson

DURATION: 3 week

## PROJECT DESCRIPTION:

Using the city of Chicago as inspiration, a total of 15 photos of architectural examples were taken and a total of 5 corresponding sketches were created.

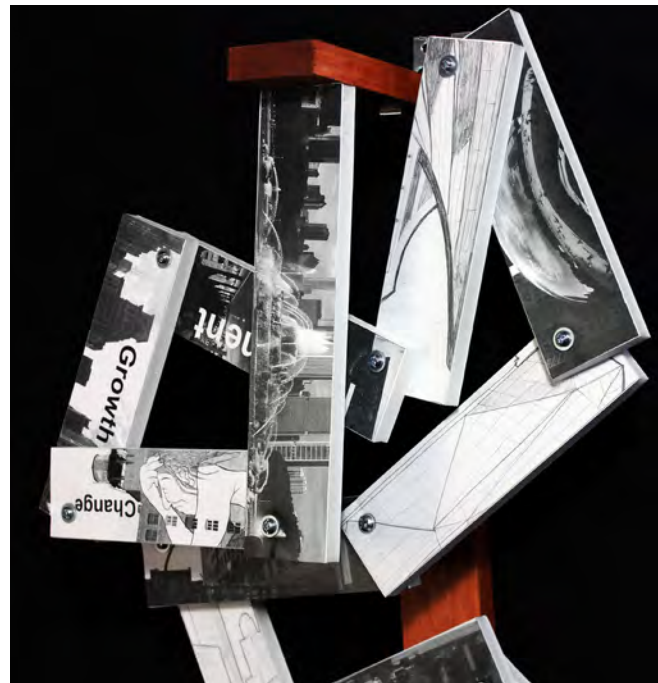
A collage was then developed into a single 3-dimensional **compositional element** and a **final 3-dimensional form**.

The overall collage included 4 sketches, text of the concept, and a total of 8 inspirational photos.

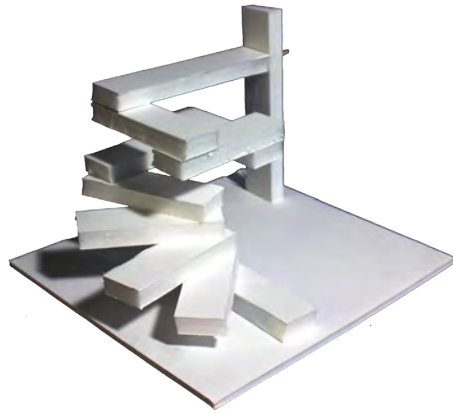
To emphasize the beauty of the inspirations, wood was used as the primary element.

## CONCEPT:

The change, growth, and movement of the city of Chicago.



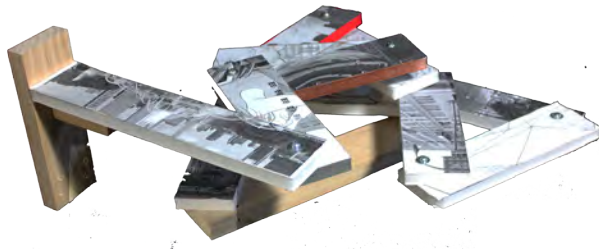




Study 1



Study 2



Study 3



# ECOLOGY CENTER

COURSE: Architecture design 1 (ARCH 2201)

INSTRUCTOR: Mark Pearson

DURATION: 3 months

## PROJECT DESCRIPTION:

The overall project required to develop an innovative and thoughtfully conceived interpretative center aimed to house exhibits and educational programs on sustainability, environmental stewardship, and water ecology.

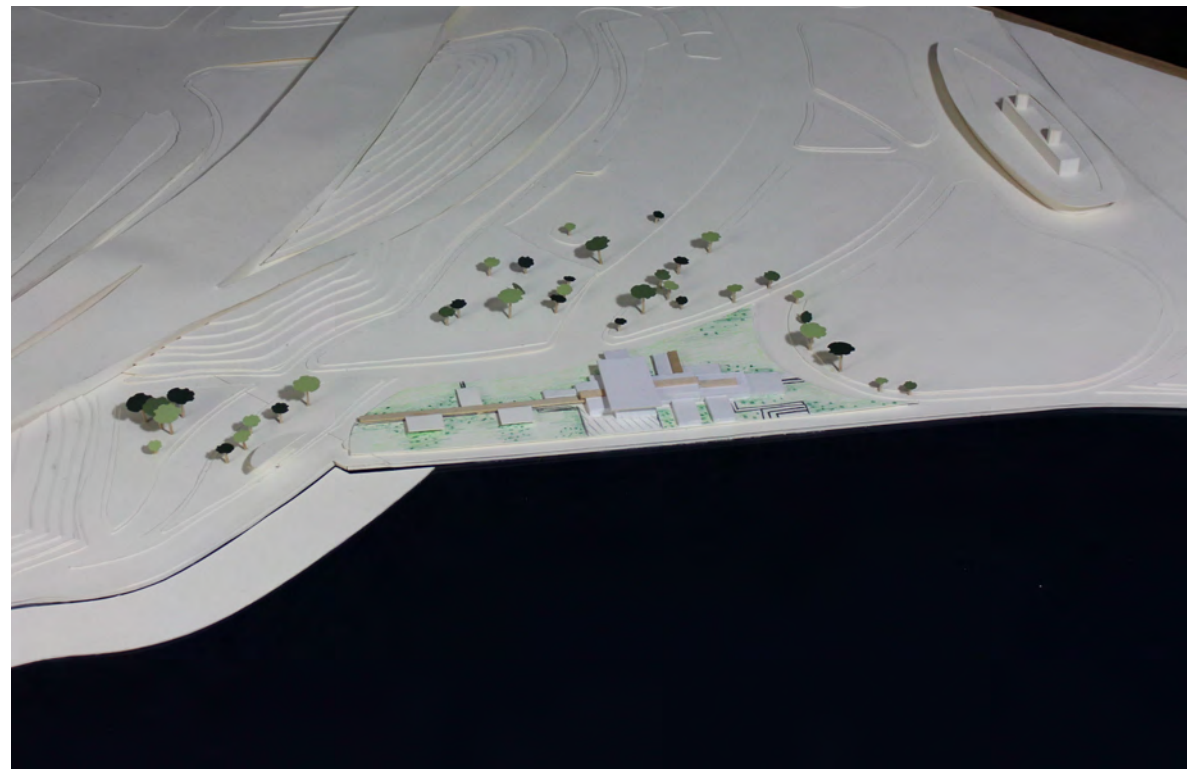
This ecology center will educate its visitors on water ecology within the Great Lakes region and provide space for education, research, and outreach. Additionally, the program required ramps and level changes to emphasize movement throughout the space.

To better understand the building, a 1" = 1/8" model, 1" = 1/2" detailed model, and a 1" = 1/30" site model were constructed on proper scales.

Finally, various drawings which included the plan, section diagrams, and additional renderings were drawn for the same reason.

## CONCEPT:

Re-introducing nature where it is lost by incorporating pockets of natural biology throughout the space. Therefore, when inside we are next to nature and when outside we can interact and get close to nature.



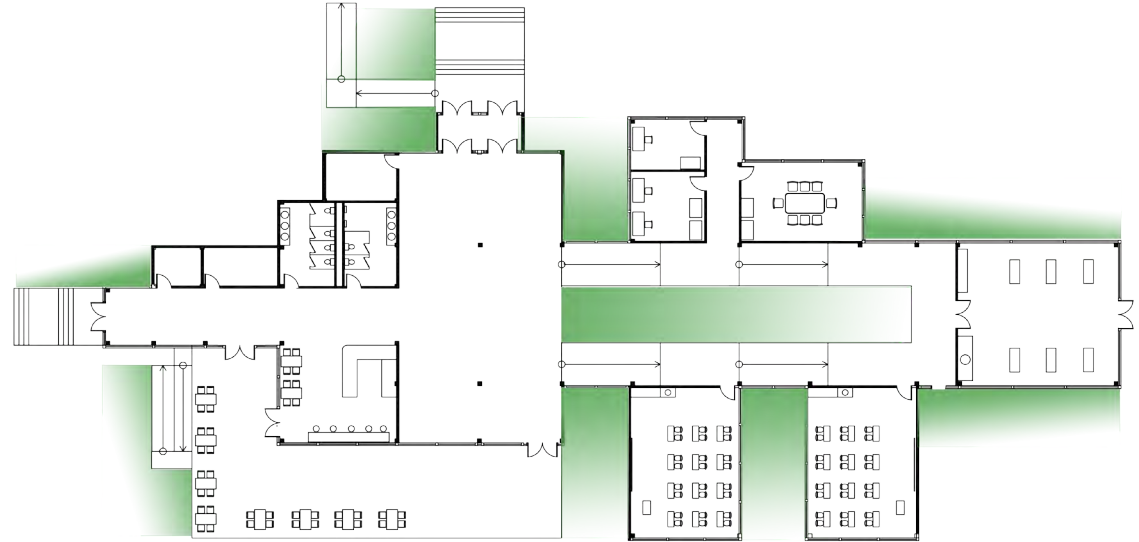
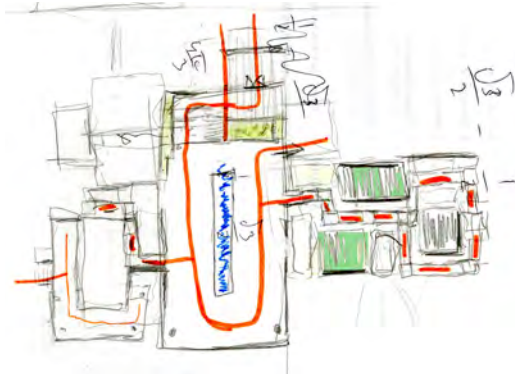




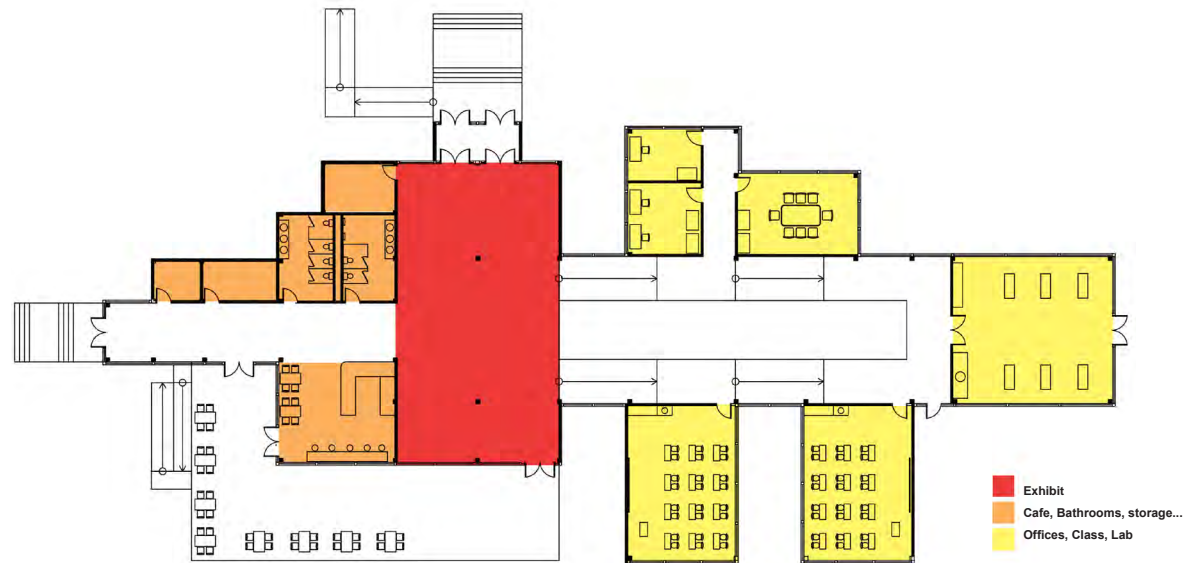
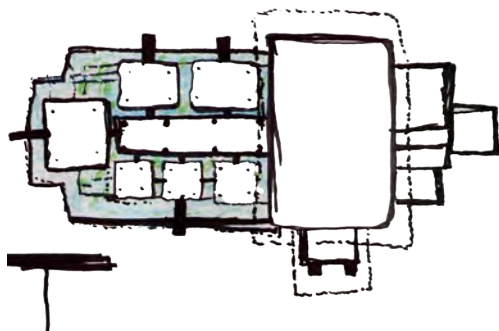








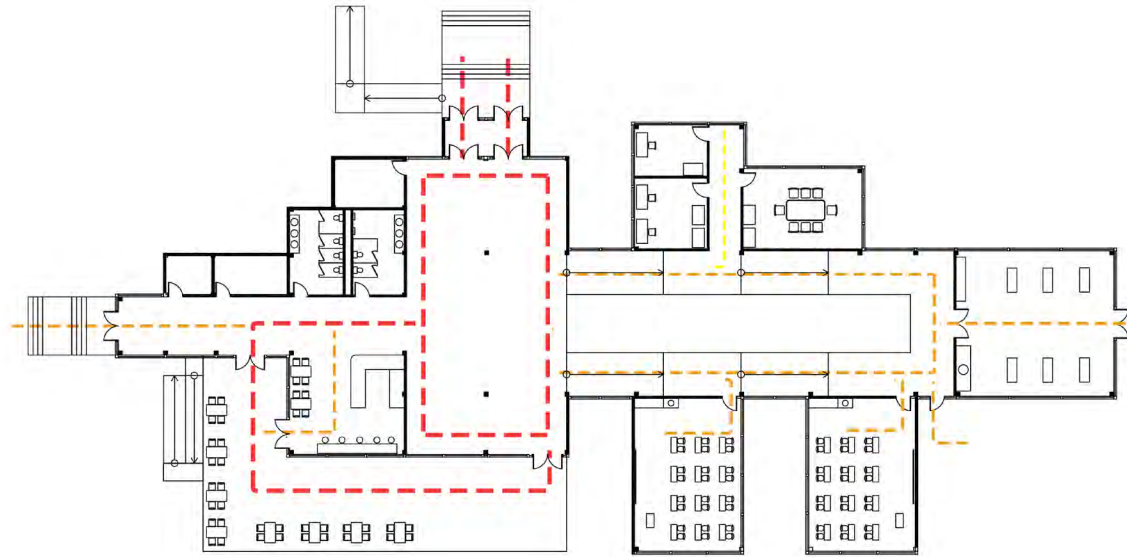
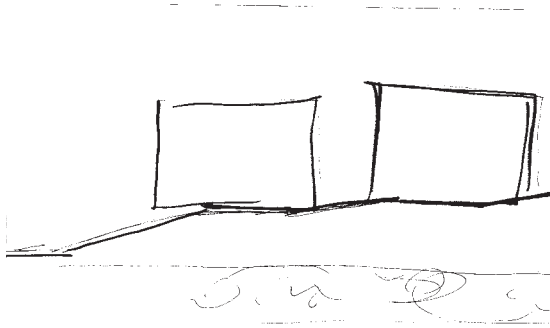
Concept



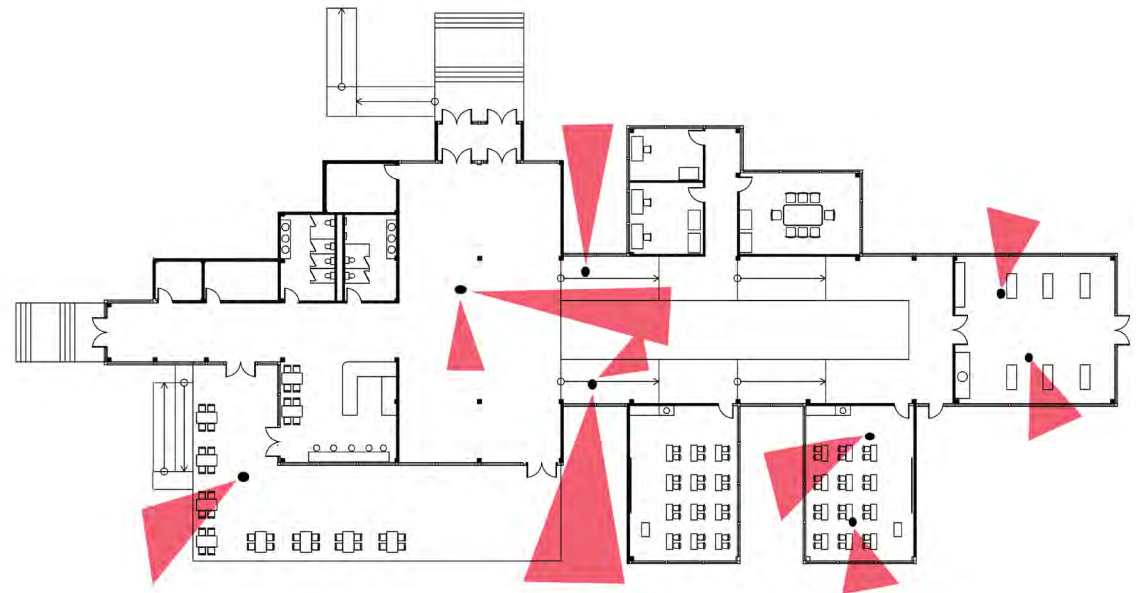
Parti







Circulation



Lines of sight



