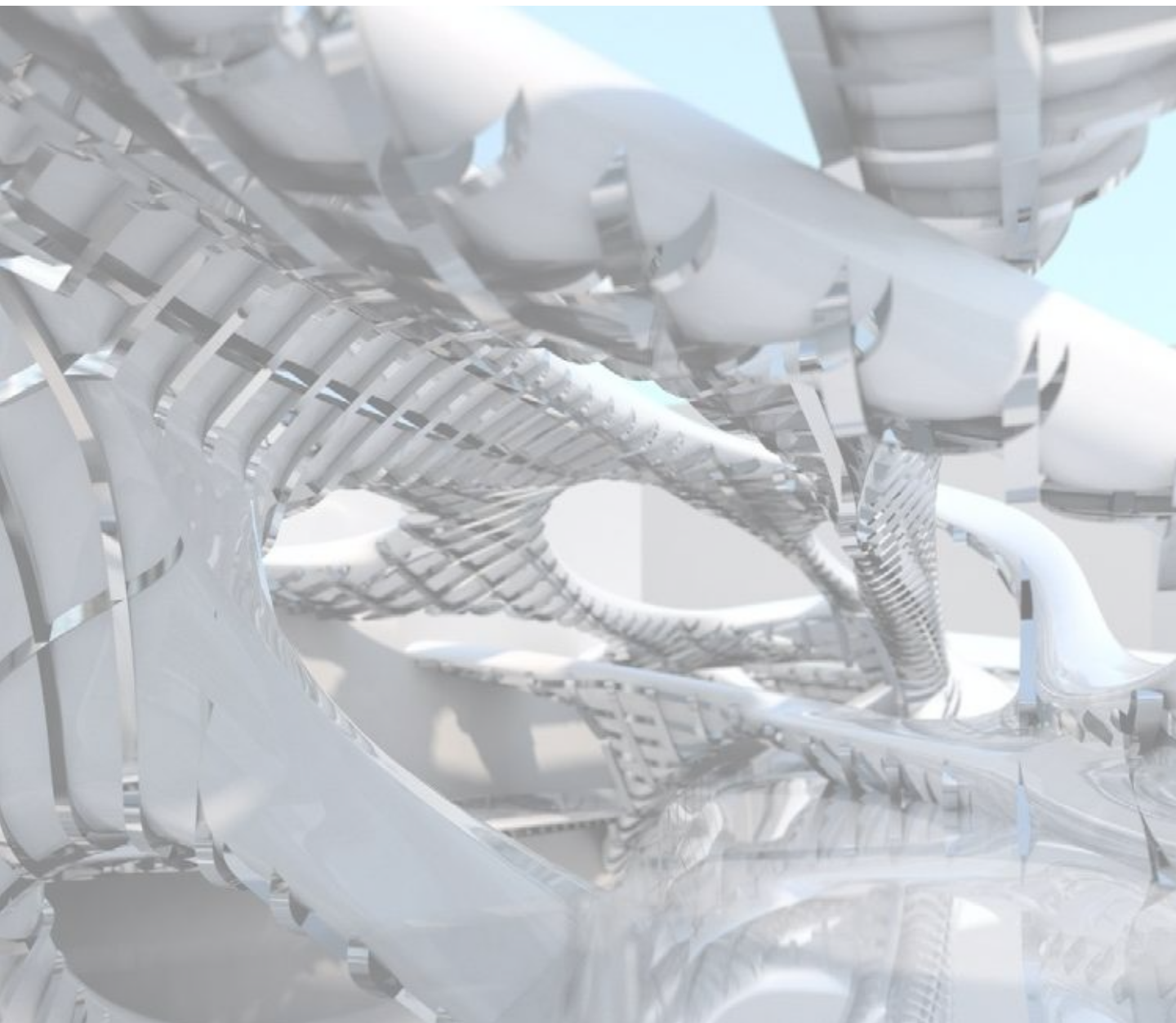


Kevan Kasmai
Architecture Portfolio



Fall 2014 - Present

Masters of Architecture

New York, New York



Hello,

My name is Kevan Kasmai

I'm a graduate of Florida International University with a Masters in Architecture. The projects contained in this portfolio represent a sample of some of the work I've done throughout my education in Architecture and design. They exhibit examples of projects spanning my entire 5 years in the program. I have a passion for Architecture, design and fabrication. My education has allowed me to continually expand on my knowledge of these. I look forward to continuing my journey.

Thank you

kevankasmai@gmail.com
7862714269

Kevan Kasmai

kevankasmai@gmail.com
7862714269

Work Experience

Deluxe Modular New York, New York May 2019 - Present	Intermediate Architectural Designer Worked on multiple phases of projects involving modular steel construction. Put together complete sets and details and coordinated with contractors on a variety of project types. Designed multiple iterations of modular homes to be developed upon purchase. Worked closely together with engineers and architects to coordinate drawings for production in our factory and ensured correct detailing of connections and overall building assembly throughout the various stages of fabrication.
Florida International University Miami, Florida Dec 2017 - May 2019	Graduate Assistant Managed multiple levels of Structural Engineering courses with over 140 students each working under Shahin Vassigh. Instructed multiple weekly lab sessions in which students were asked to apply concepts learned in lecture to real world problems, and were often asked to conduct experiments to better grasp key concepts. Created exams and quizzes to test students knowledge of the subject and held office hours to answer any questions on the material.
Kraftwerk Competition Shoppingen, Germany May 2017 - Jul 2017	Head Designer Worked as head designer for Thomas Spiegelhalter and Peter Drecker to propose an entry for a competition in which participants were asked to redesign a street and its surroundings in a village in Germany. The street was transformed into a location for vendors and artists, and a power generating water playground for children was designed in Fusion 360, featuring complex organic geometries and high tech power generating techniques.
Franchise Creator Miami, Florida May 2015 - Dec 2016	Manager + Graphic Design Consultant Franchise Creator is a company which helps other businesses transform themselves into franchises. I worked to ensure that employees were performing up to company standards and maintaining good client relationships. My responsibilities also included consultations with clients to generate ideas for graphic design solutions. These designs were ultimately used for marketing and distribution materials used to sell franchises for the company.

Awards and Achievements

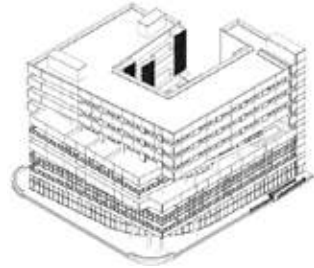
AIA Florida Aug 2019	AIA Bronze Metal Award Awarded to one thesis student from each of 6 Florida schools
Florida International University May 2019	Excellence in Masters Thesis Awarded for best Masters Thesis project in class
Florida International University Aug 2012	University Honors College Member Membership offered to those with excellent academic standing
Florida International University Feb 2019	Tau Sigma Delta National Honors Society Member Sigma Xi Chapter, personal Selection by chair and faculty
Florida International University Aug 2012	Presidential Scholarship Recipient Highest scholarship in the University, for excellent academics
Florida International University May 2019	Summa Cum Laude Awarded to those graduating with above 3.90 GPA
Florida International University Dec 2018	AIAS Member Member of the AIAS Florida International Chapter ID 38833517

Education

Florida International University Miami, Florida Aug 2014 - May 2019	Masters of Architecture Accepted into the highly competitive accelerated masters of architecture program. Graduated with a 3.91 GPA. Typical courses included Design Studio, Graphics Studio, Structural Engineering, Environmental Building Design, Architectural History, Architectural Theory, Advanced Computational Design, Business Communication and Professional office Practice
University of Miami Miami, Florida Jan 2013 - May 2014	Bachelors of Biology Track Completed 40 credits of Biology with a minor in Chemistry on a Pre-Med track while earning a high GPA before deciding to study Architecture at FIU due to their higher ranked program. Typical Courses included Advanced Biology, Chemistry, Evolution and Biodiversity, Calculus II, and Genetics.
Florida International University Miami, Florida Aug 2012 - Dec 2012	Bachelors of Biology Track Studied Biology with a minor in Chemistry on a premed track before deciding to transfer to University of Miami for a better chance of acceptance into a medical school after graduation

Technical Proficiency

Fabrication + Misc English, Spanish, Farsi, Italian Woodworking 3D Printing Metal Work Laser Cutting CNC Milling Model Making Guitar, Drums, Piano	Software Revit AutoCAD Rhino Grasshopper Maya 3DS Max VRay Sketchup	Photoshop InDesign Illustrator Premier Pro Fusion 360
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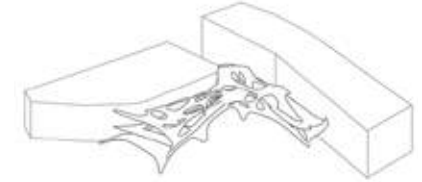
1 | Workforce Housing
IBS + Comprehensive
05 | Summer 2018



2 | Concrete Kindergarten
Masters Thesis
12 | Spring 2019



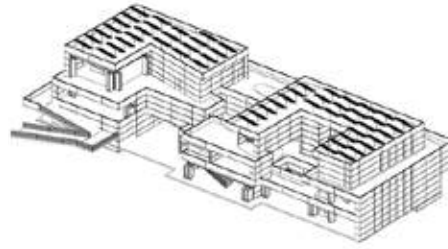
5 | Work Samples
Deluxe Modular
30 | Spring 2019



6 | Tokyo Pavilion
Design 7
37 | Summer 2017



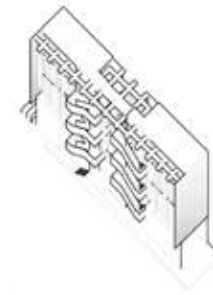
3 | Linear Highrise
Design 10
21 | Fall 2018



4 | Sustainability Studio
Design 9
25 | Spring 2018



7 | Bagni Scogliera
Design 8
41 | Fall 2017



8 | Infill Housing
Design 6
45 | Spring 2017

Workforce Housing

Comprehensive + IBS

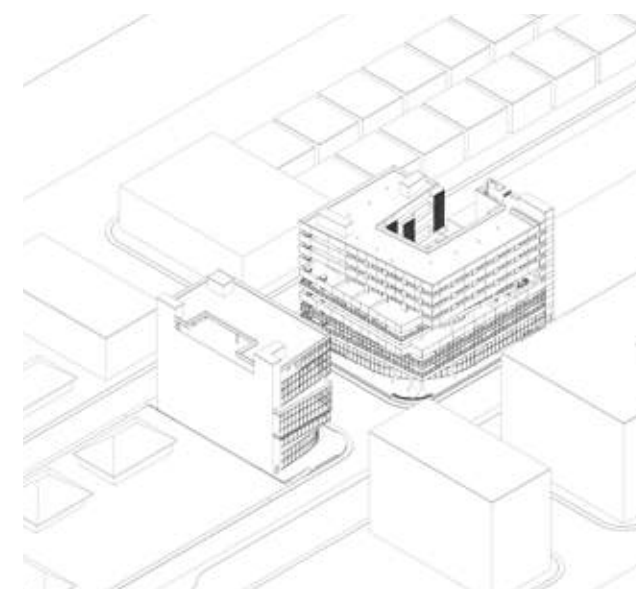
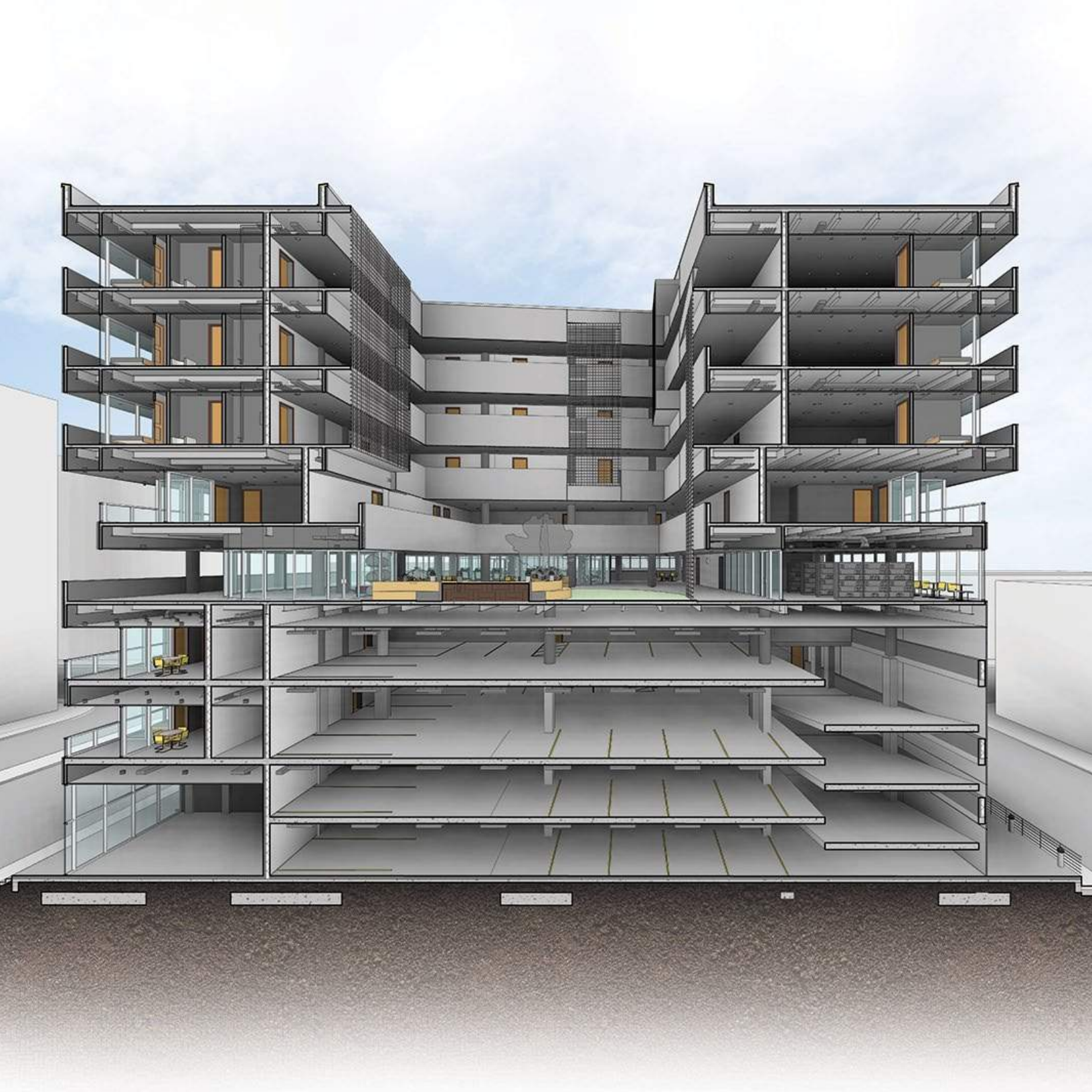
Juan Alayo | Summer 2018

Description | Comprehensive studio and Integrated building systems are separate classes taken together which ask students to design a building and include all of its working systems. The building was to be located in Miami's Overtown; a historically black neighborhood whose residents are beginning to be displaced by rapid gentrification. Students were to design a building for the working class families who are finding it increasingly challenging to find an affordable place to live.

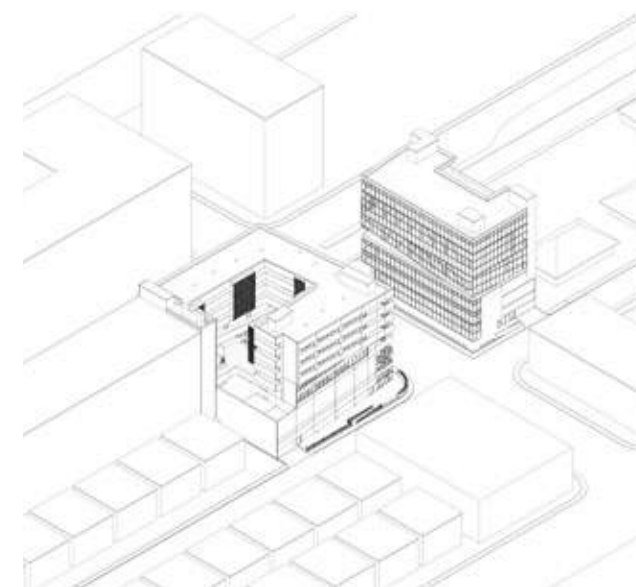
Concept | By incorporating personal terraces into every unit, the building emphasizes the idea that every individual deserves access to outdoor space. The inclusion of a large public courtyard, library, gym and other amenities, a sense of community is created amongst the building's residence, strengthening the health of the neighborhood at large. Each unit of the building features expansive amounts of glass and a narrow section to promote natural light and cross ventilation.

Program | The 8 story project features 58 affordable housing units, a multipurpose ground floor with two lobbies and retail spaces, a large central courtyard, smaller courtyards on each floor, a gym, library and parking for 90 cars.

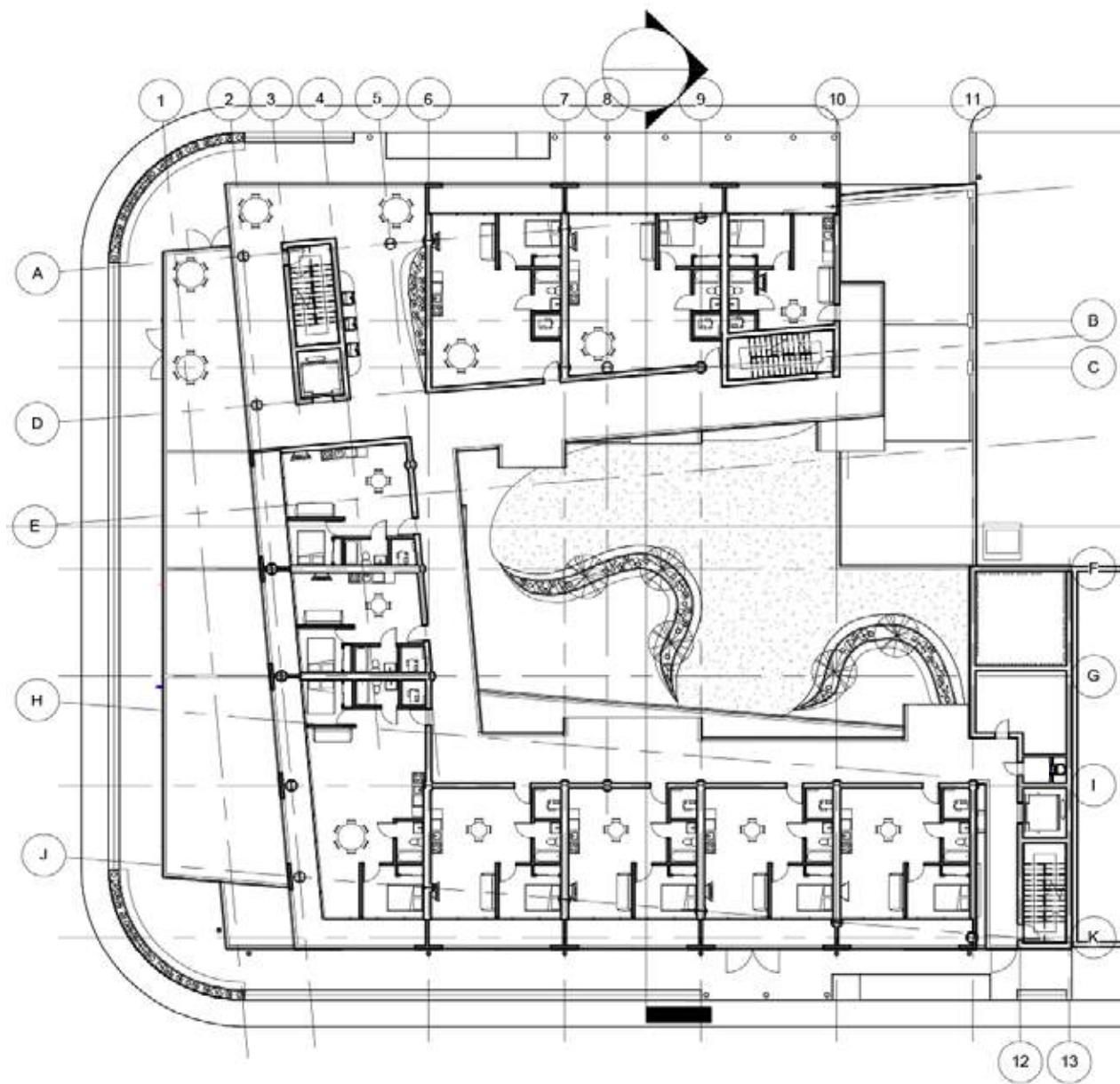




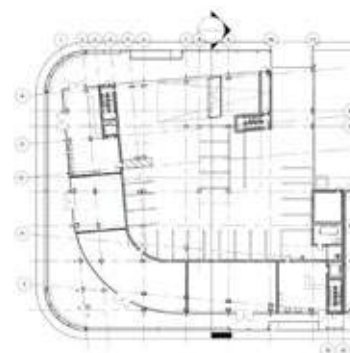
NE Axo



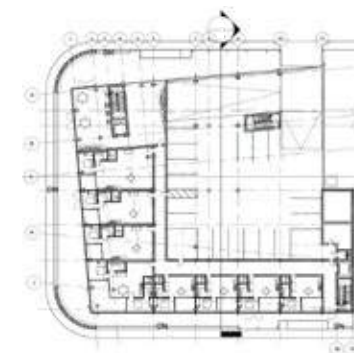
SW Axo



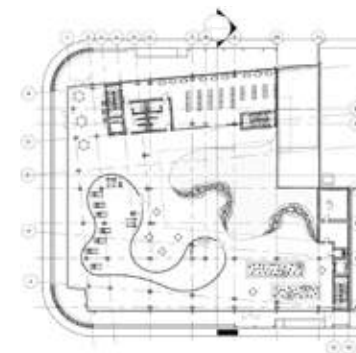
6th - 8th Floor



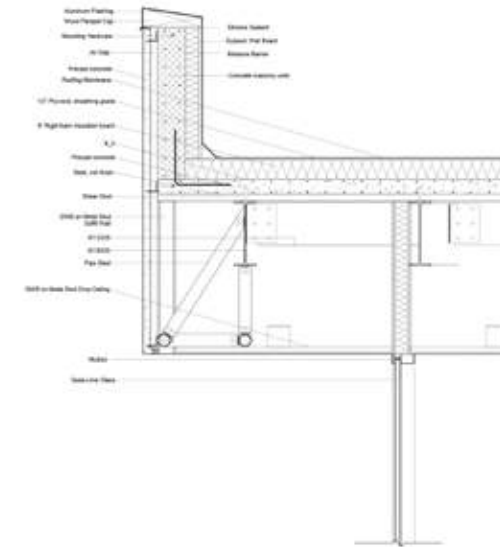
1st Floor



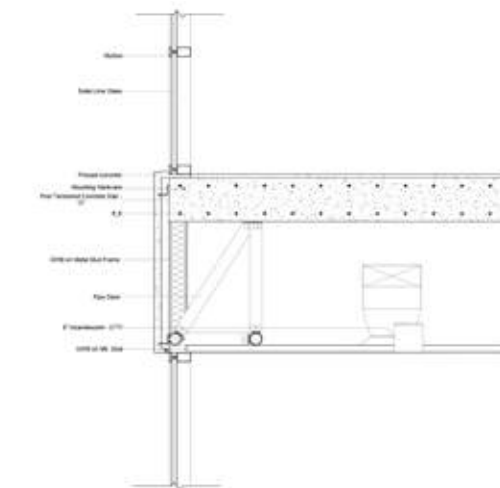
3rd Floor



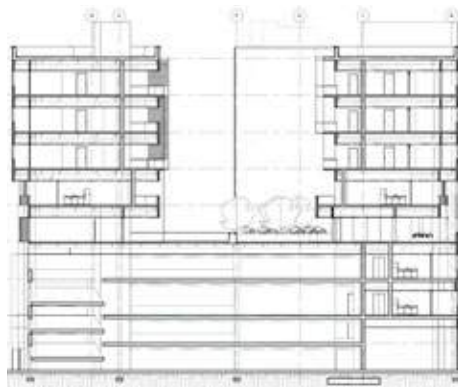
4th Floor



Parapet Detail



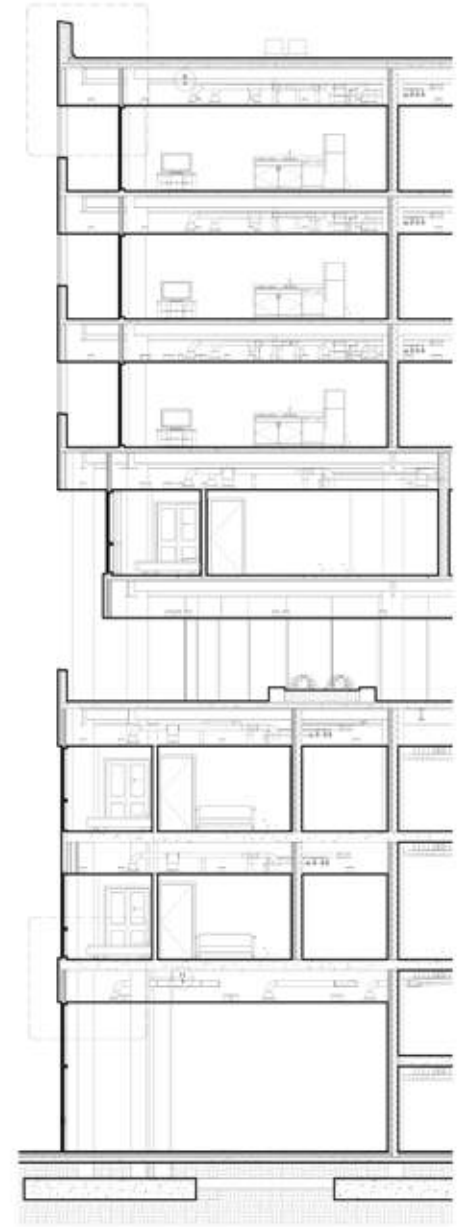
Floor to Floor Detail



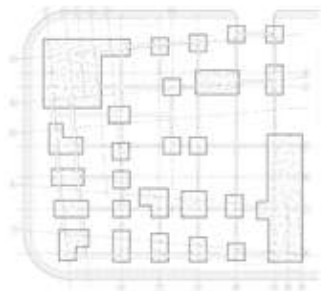
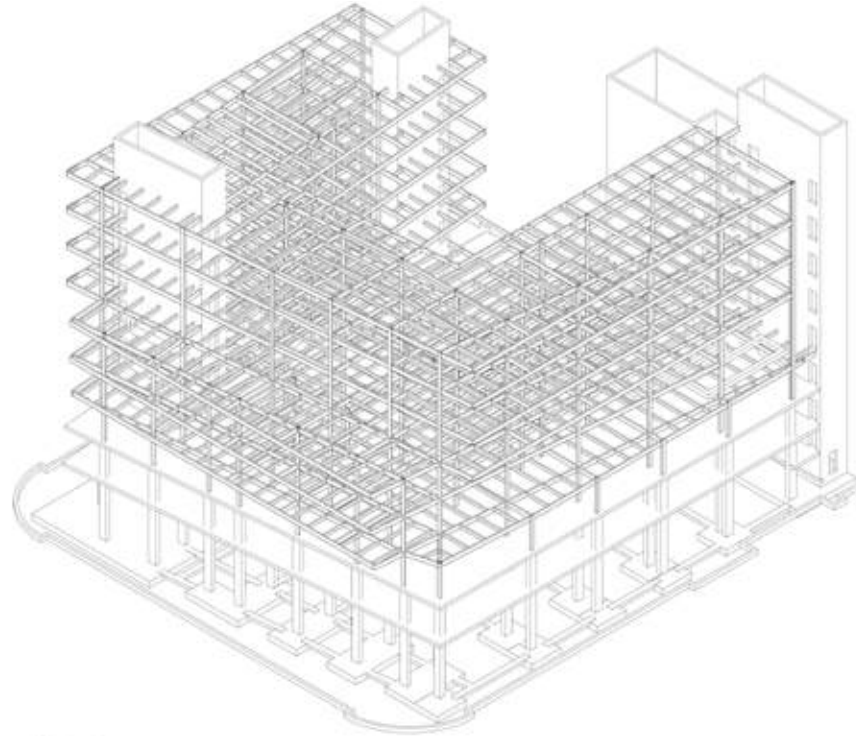
East / West Section



North / South Section



Detail Wall Section



Foundation Plan



Typical Floor Structural Plan



Typical Floor Electrical Plan



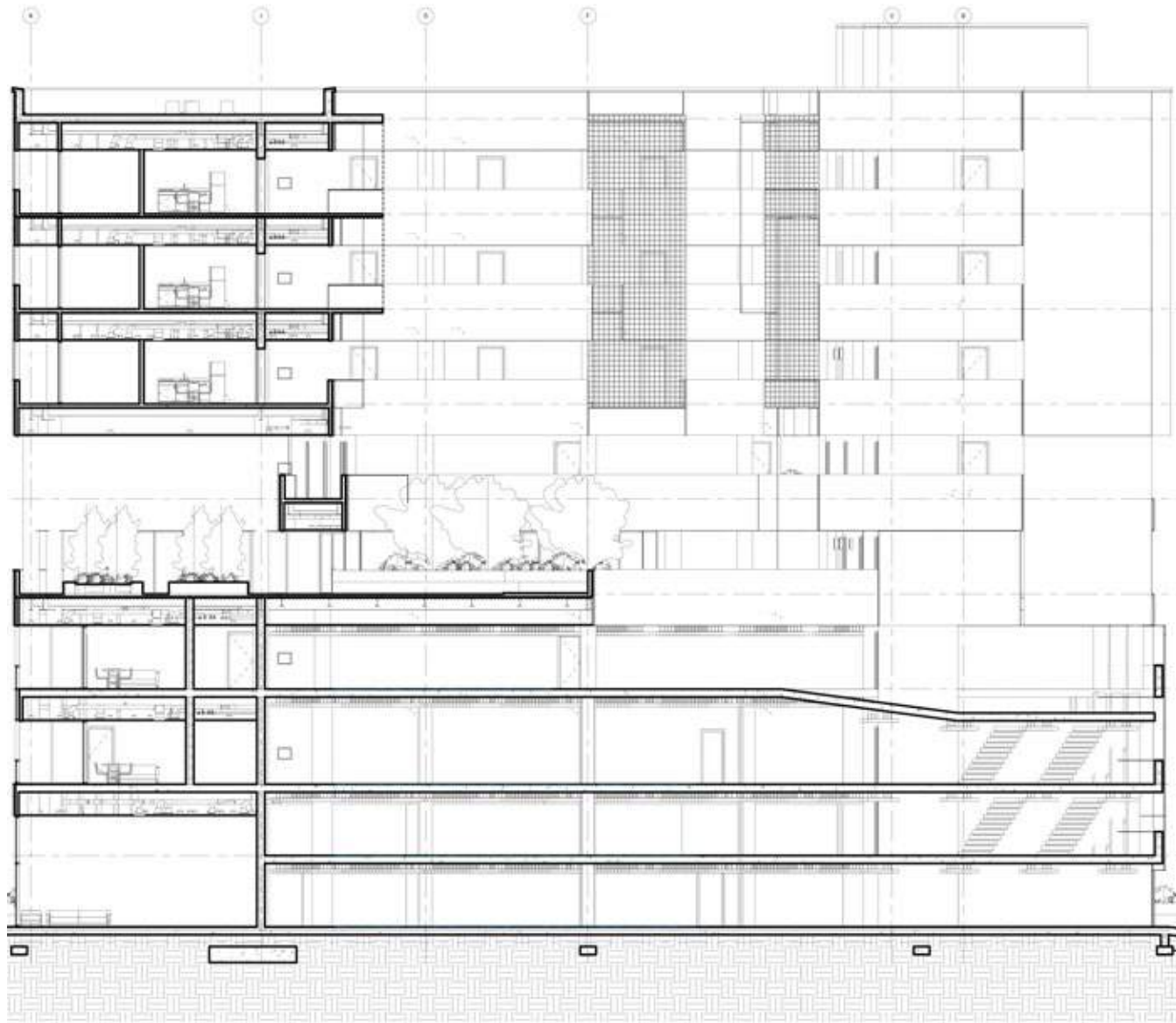
Typical Floor Egress Plan



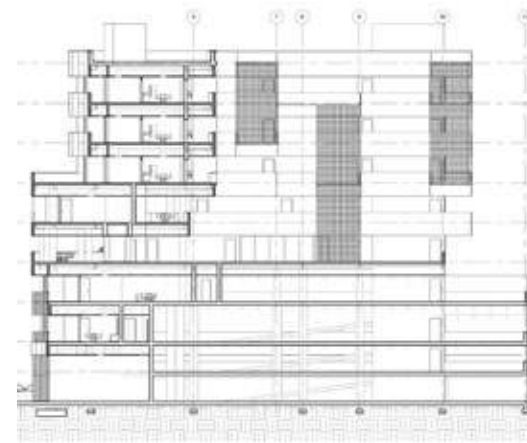
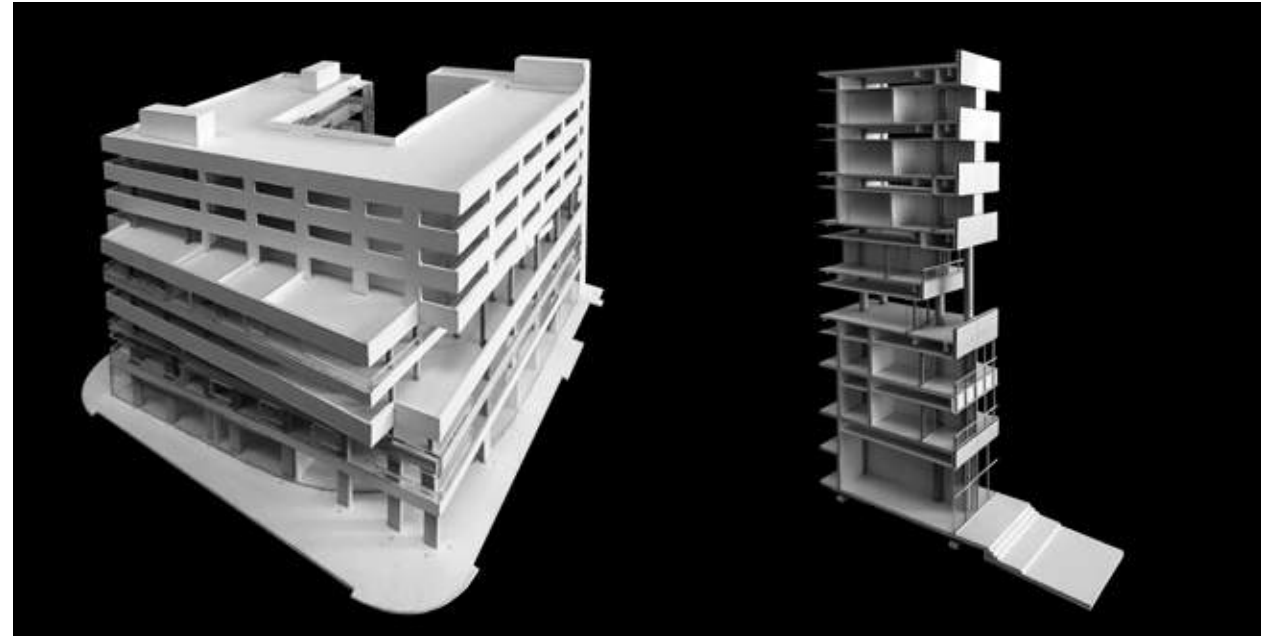
Typical Floor HVAC Plan



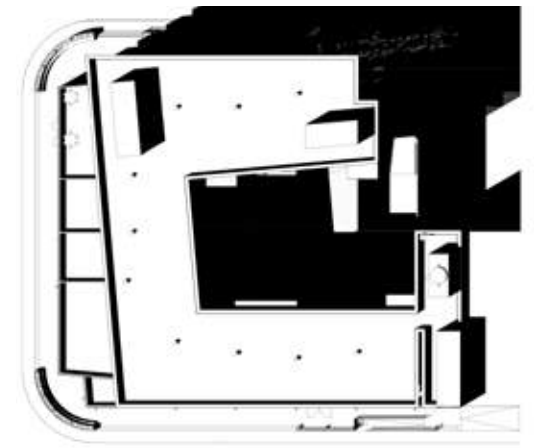
Typical Floor RCP



North / South Section



North / South Section



Shaded Roof Plan

Concrete Kindergarten

Masters Thesis

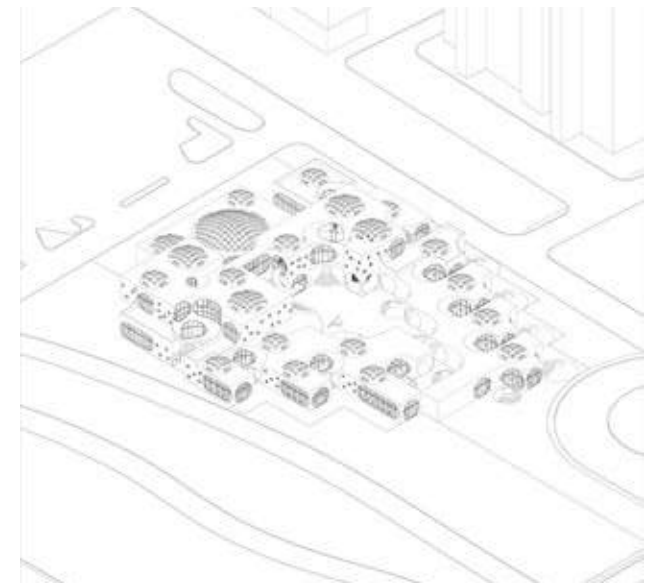
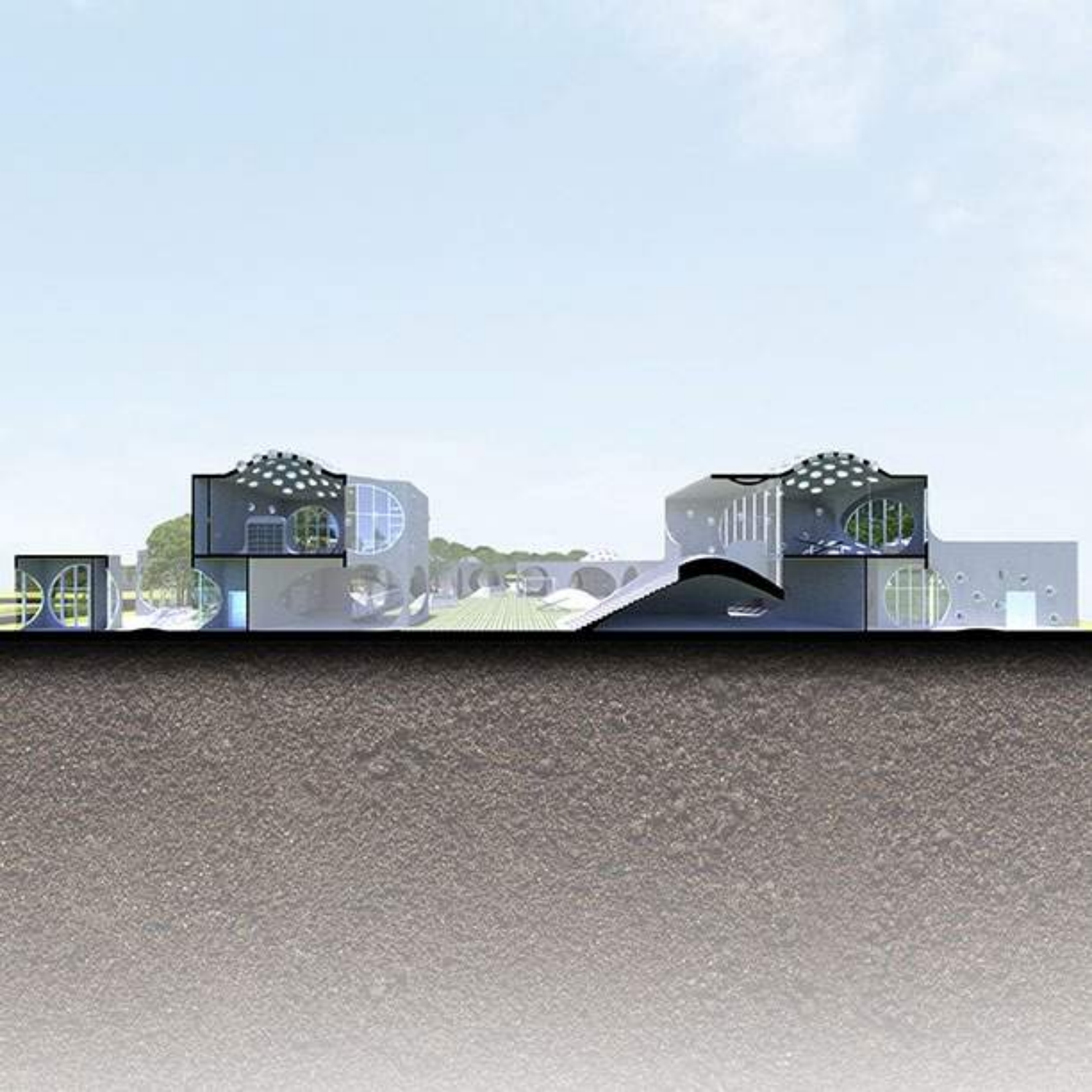
Nick Gelpi | Spring 2019

Description | Through the study of Isamu Noguchi's playgrounds, Aldo Van Eyck's Amsterdam Orphanage, and Mark West's Jacket and Liner technique for fabric forming concrete, our thesis studio was tasked with creating a seemingly oxymoronic building: A concrete Kindergarten in New Orleans Audubon Park. Through the use of physical models and intensive research, I was able to recreate the protrusions and bulges from West's work and reinterpret them, as well as Noguchi's signature play mounds, into the form of the building at varying scales. Noguchi's work, Lunar landscape, and West's fabric formed concrete come together to create a conceptual playground cube, which was then used as a starting point for the design of the building.

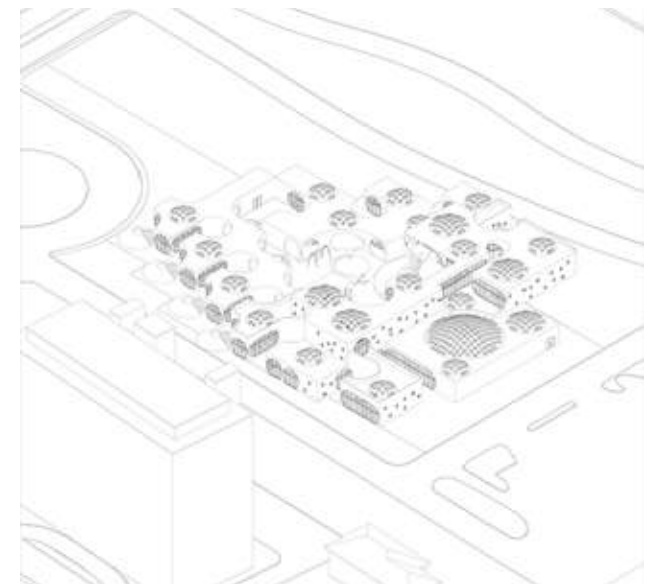
Concept | By using techniques of fabric formed concrete, The overall building is able to be softened to allow for a more welcoming and safer space for young school children to inhabit. Scaling this down creates domed skylights in rooftop mounds to draw playful light into many of the buildings spaces. Fusing Noguchi's play mounds with these techniques produces areas for play in the school's interior courtyard, while the overall organizational strategy of Van Eyck's Amsterdam Orphanage drives the layout of the building. By Creating non-conventional spaces for learning and play, young children's minds can be challenged and given a jump start in their cognitive development.

Program | The 2 story project features 10 classrooms for kindergarten children, a library, lab space, reading room, cafeteria, administrative spaces an interior playground and large courtyard space.

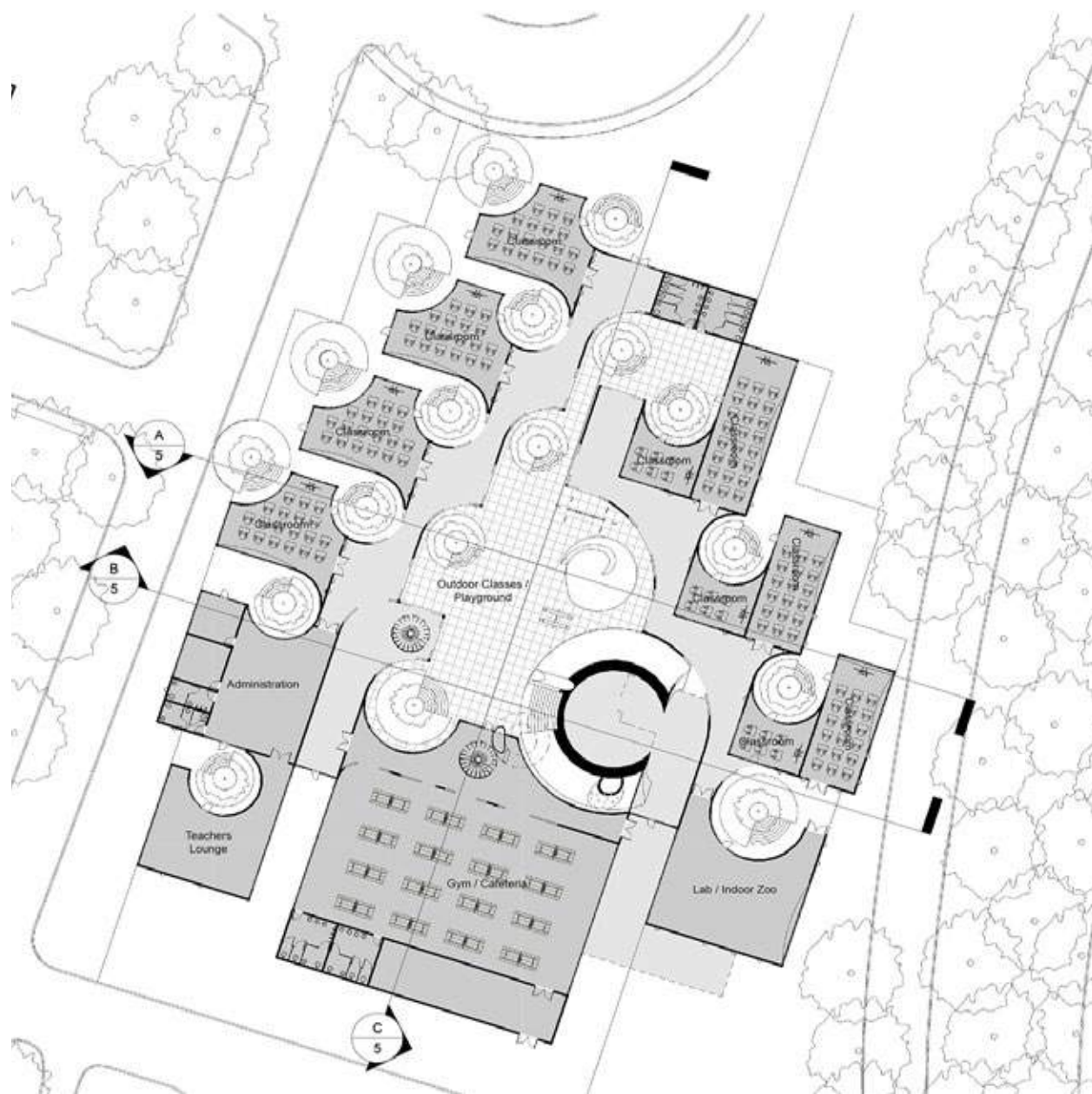




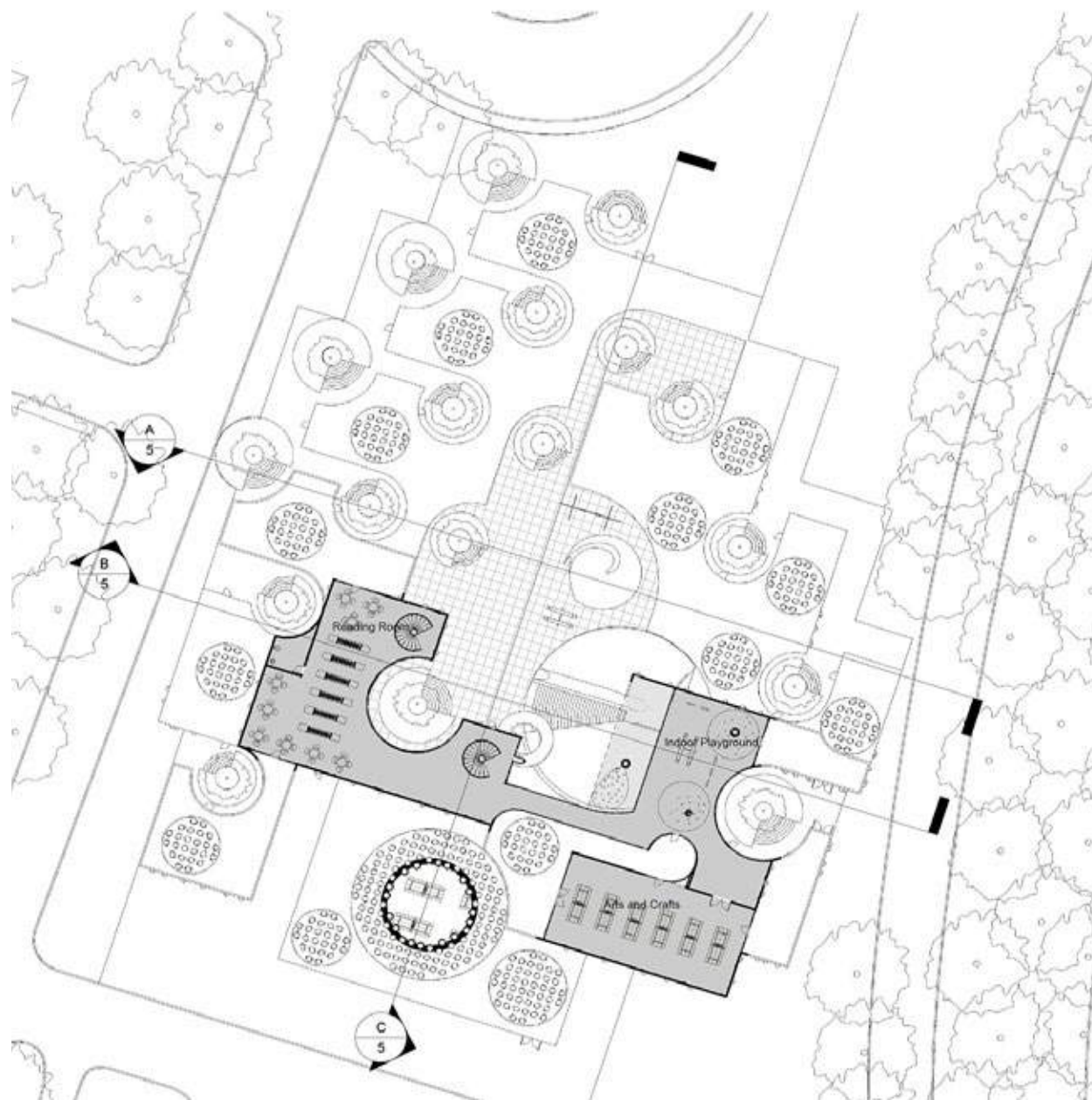
NE Axo



SW Axo



1st Floor



2nd Floor





Jacket



Jacket + Liner



Resulting Form



Jacket

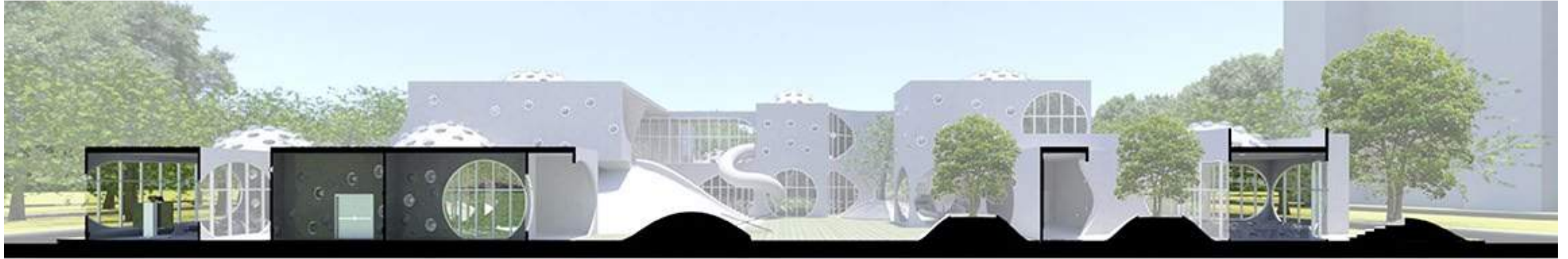


Jacket + Liner



Resulting Form

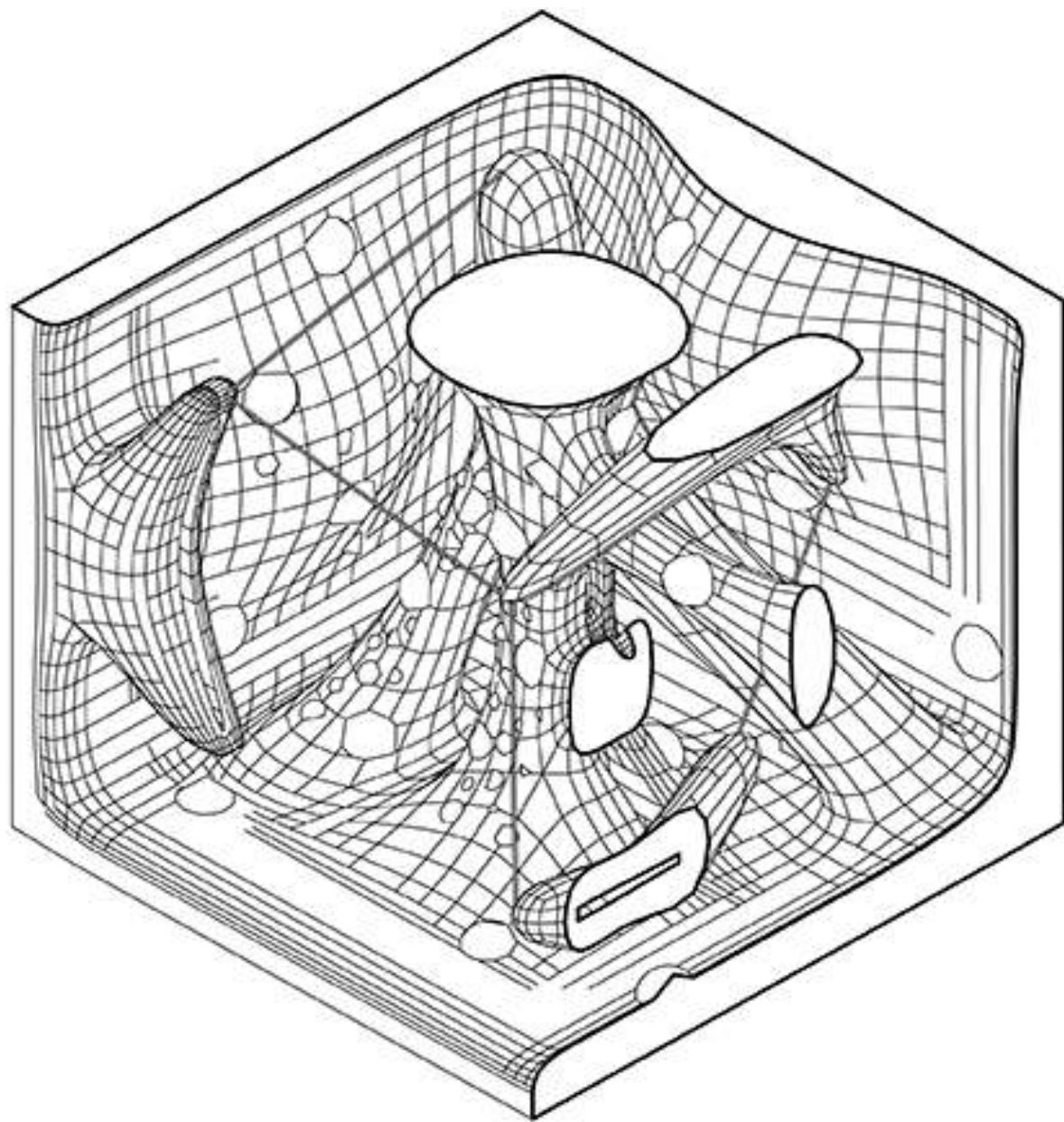




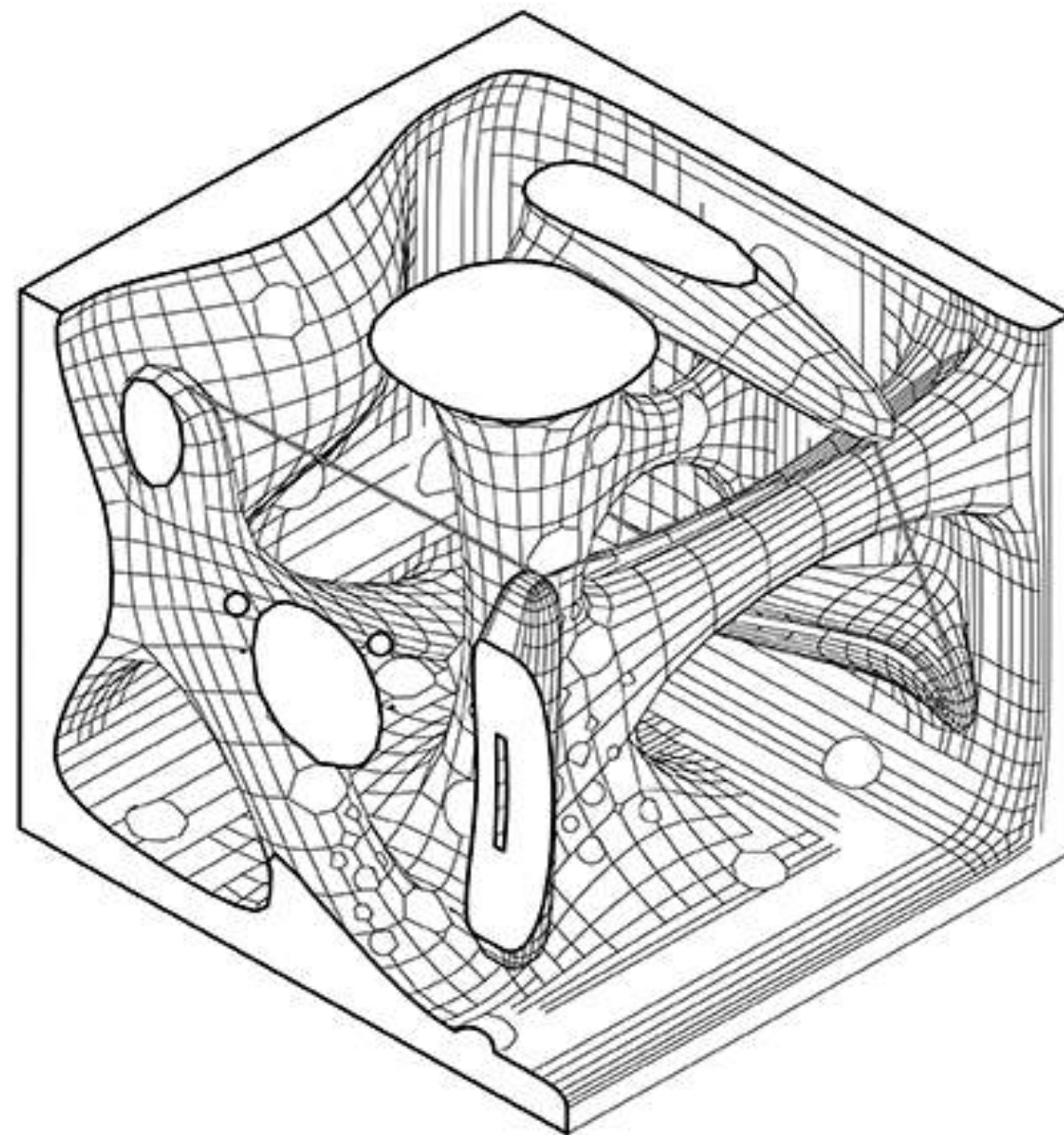
Section Perspective A



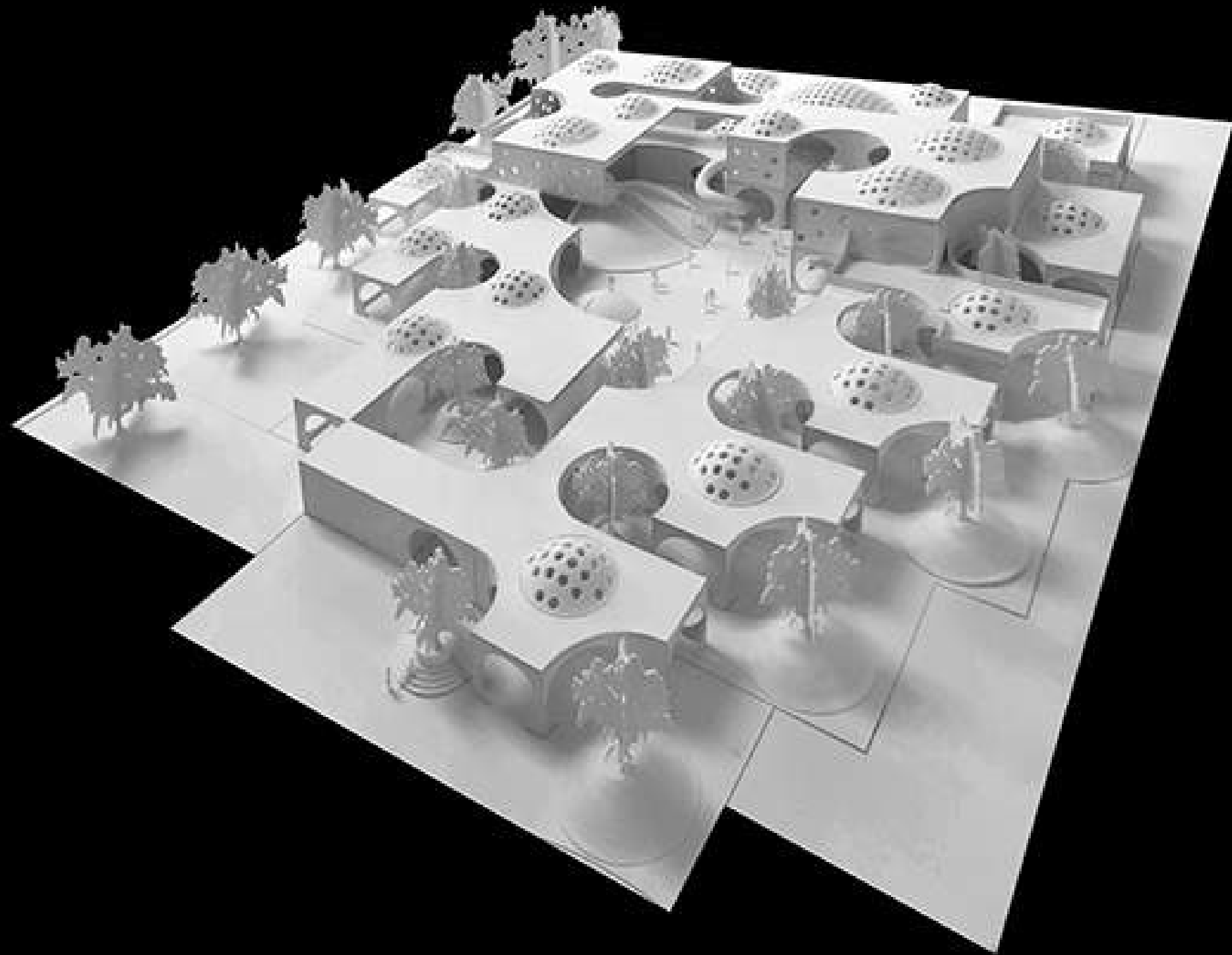
Section Perspective C



Playground Cube Double Cut Axo



Playground Cube Double Cut Axo



Linear Highrise

Design Studio 10

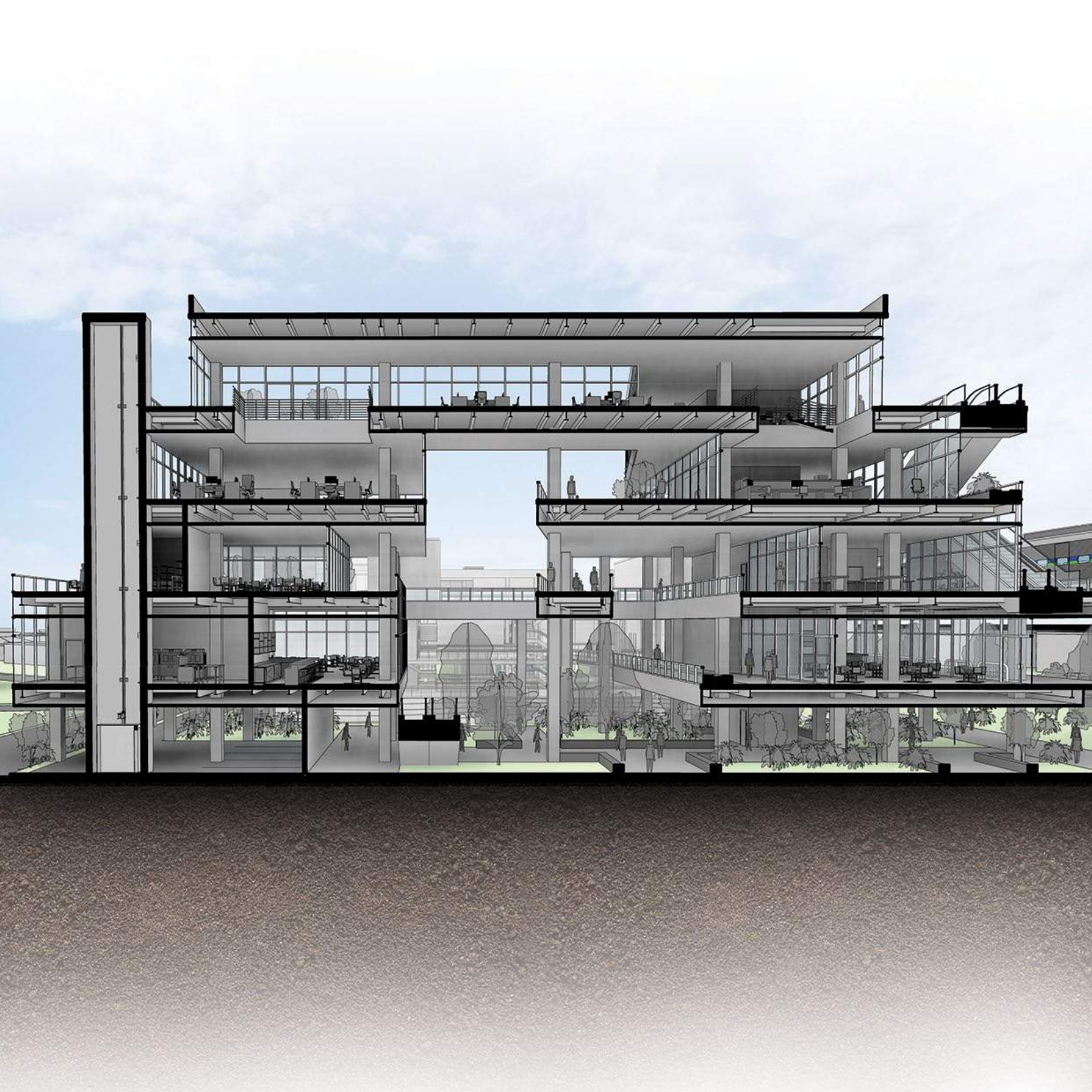
Jaime Canaves | Fall 2018

Description | Working together with 14 other students in the studio, this project sought out to create a network of buildings set side by side along a very long and narrow site in South Miami. Each student was tasked with creating a building with a unique program which complimented those of the students around them. People can walk freely along paths which weave through the buildings

Concept | Because each building shares 2 facades with its neighbors, Creating a central courtyard was essential to maximize natural light. The inclusion of trees and greenery throughout the project create outdoor shading and create a cooling effect in exterior areas, inviting people to spend a greater amount of time in unconditioned spaces.

Program | The 5 story project features multiple cafe / restaurant spaces, areas for retail, exterior courtyards, rooftop terraces, and 2 floors of office space.





SE Axo



NE Section Axo



3rd Floor



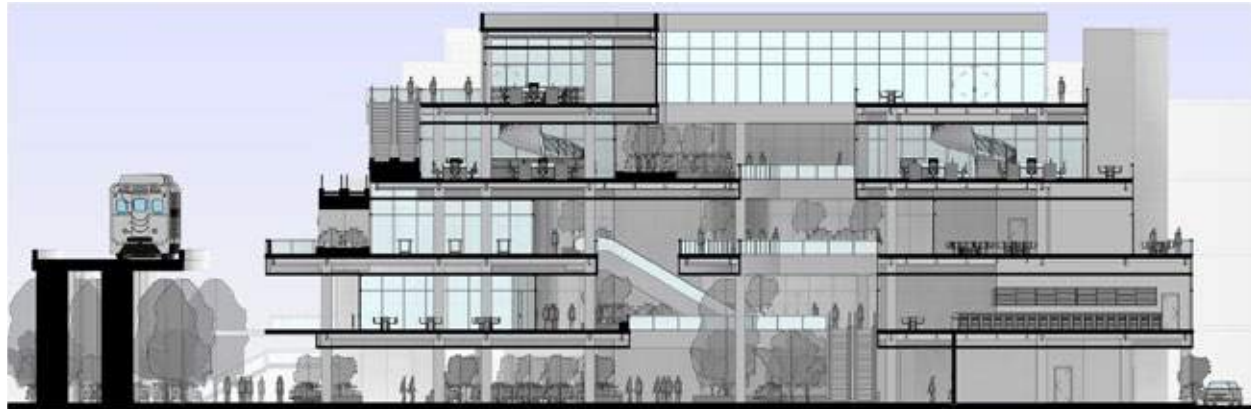
2nd Floor



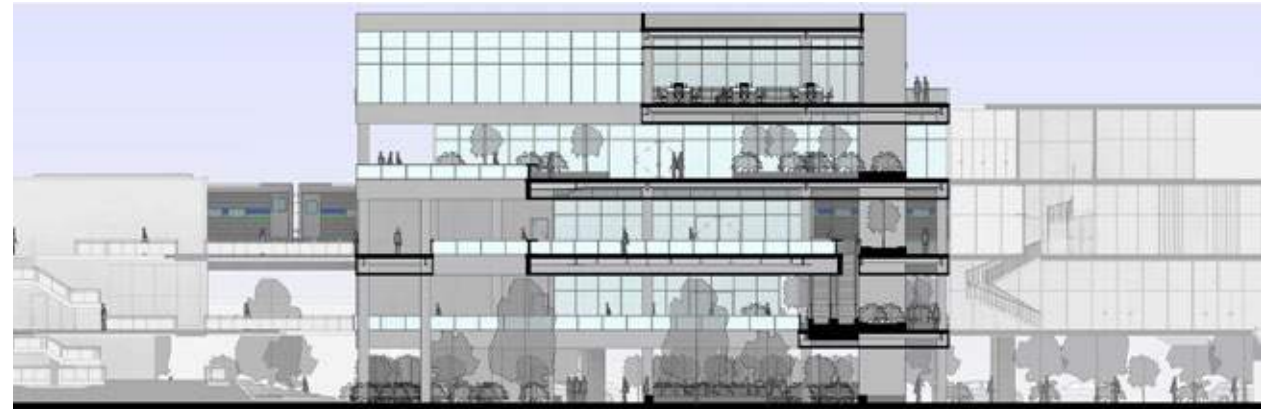
4th Floor



5th Floor



North / South Section



East / West Section

Sustainability Studio

Design Studio 9

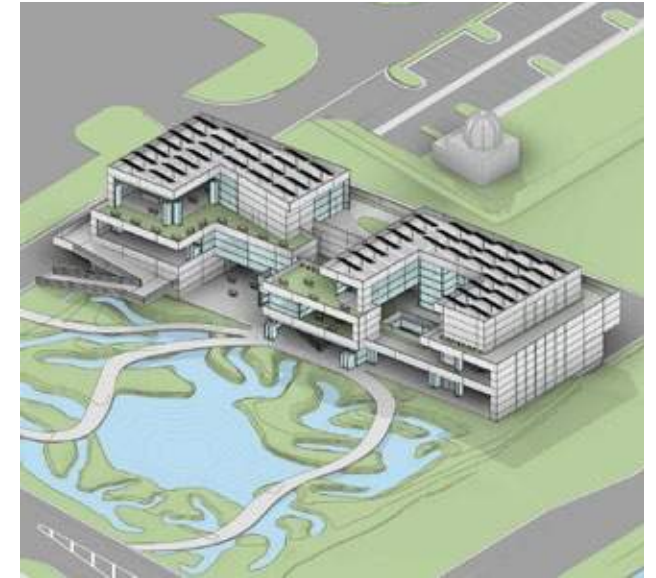
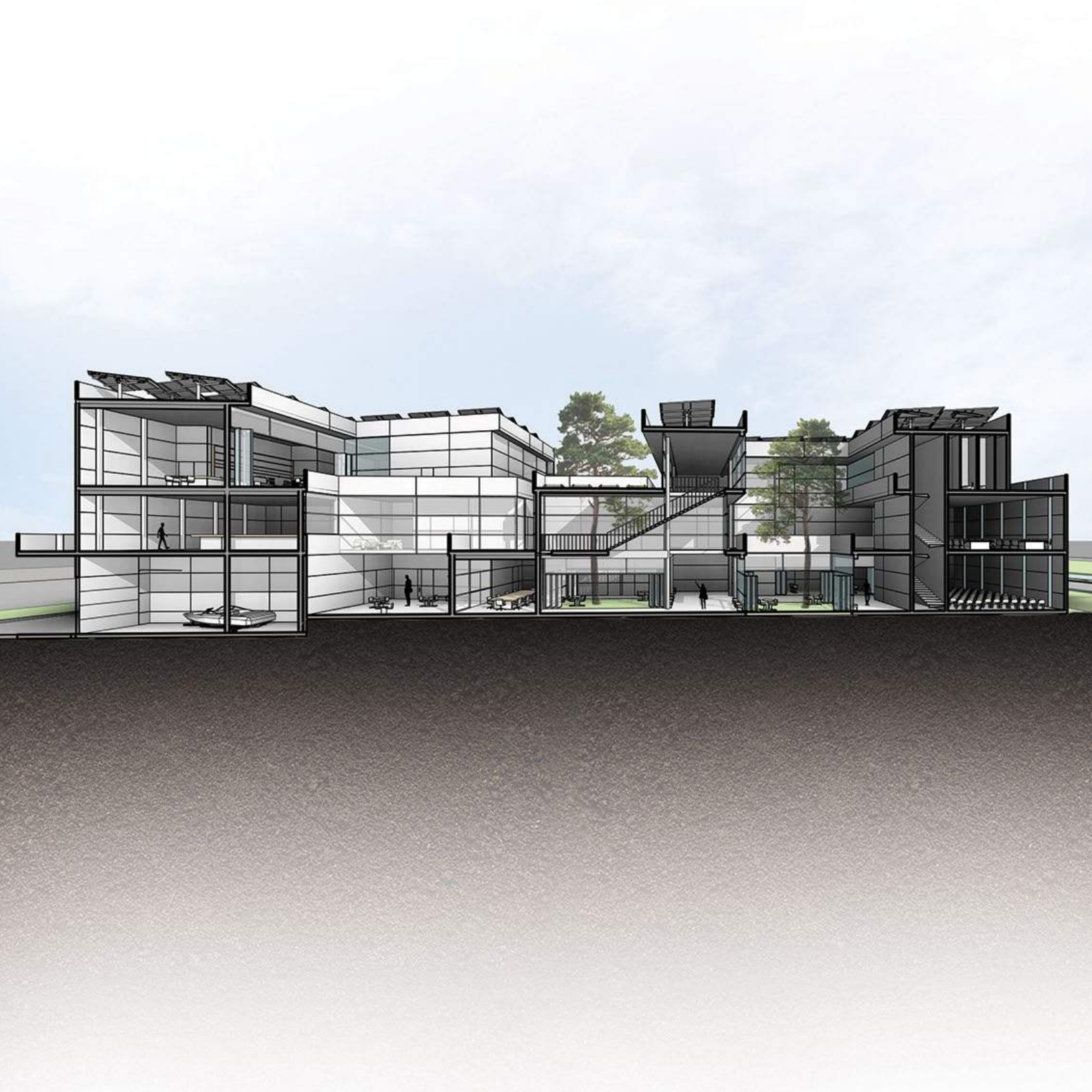
M. Nepomechie | Spring 2018

Description | In an effort to achieve a carbon neutral building, SERC (an on campus organization dedicated to Everglades research) approached the school of architecture for ideas on a new headquarters at Florida International University. The site in which it was to be located rested on a large empty piece of land on one edge of the university campus. This placed the building in a prime location to be viewed by passing cars on the nearby highway, calling for the building to be a landmark of the university. The project also was to respond to sea level rise, accounting for water levels expected over the next 100 years.

Concept | Due to the year round warmth and high solar radiation in South Florida, Many steps needed to be taken to ensure maximum sustainability for the project. These included a maximizing the North and South facade lengths while shading the South. Large expanses of glass to the North allows for diffused natural light to filter throughout the building. Accordion style glass doors and multiple interior courtyards open the building up completely to cross ventilation, while inhabitable green roofs and terraces insulate the building and provide people with exterior spaces to congregate. Solar panels on the roof generate the majority of the electricity needed to power the buildings systems, while an artificial wetland cools the ambient air around it. By elevating the buildings main programmatic spaces while keeping boat parking on the ground level, the project remains functional despite the predicted sea level rise through 2100.

Program | The 4 story project features interior parking for 26 boats and trucks, an auditorium, gallery space, 2 loading bays, boat wash and repair garages, classrooms, a cafe and storage spaces. A large driveway in the back allows for a truck with a boat on a trailer to back a boat into the garage, unhitch it, and then proceed to the truck parking on a higher level.

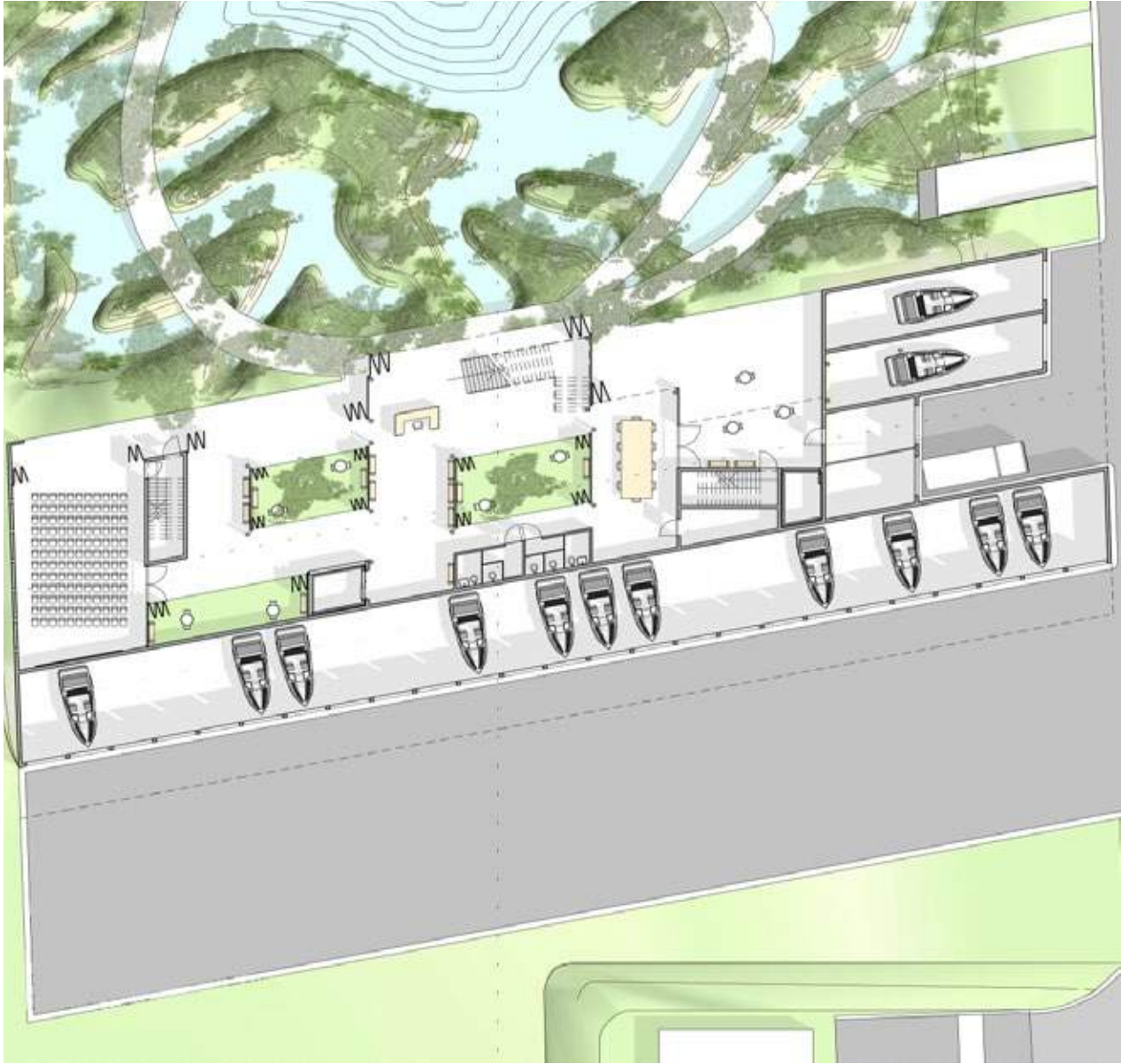




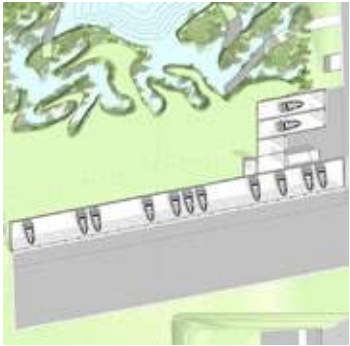
NE Axo



SW Axo



2nd Floor



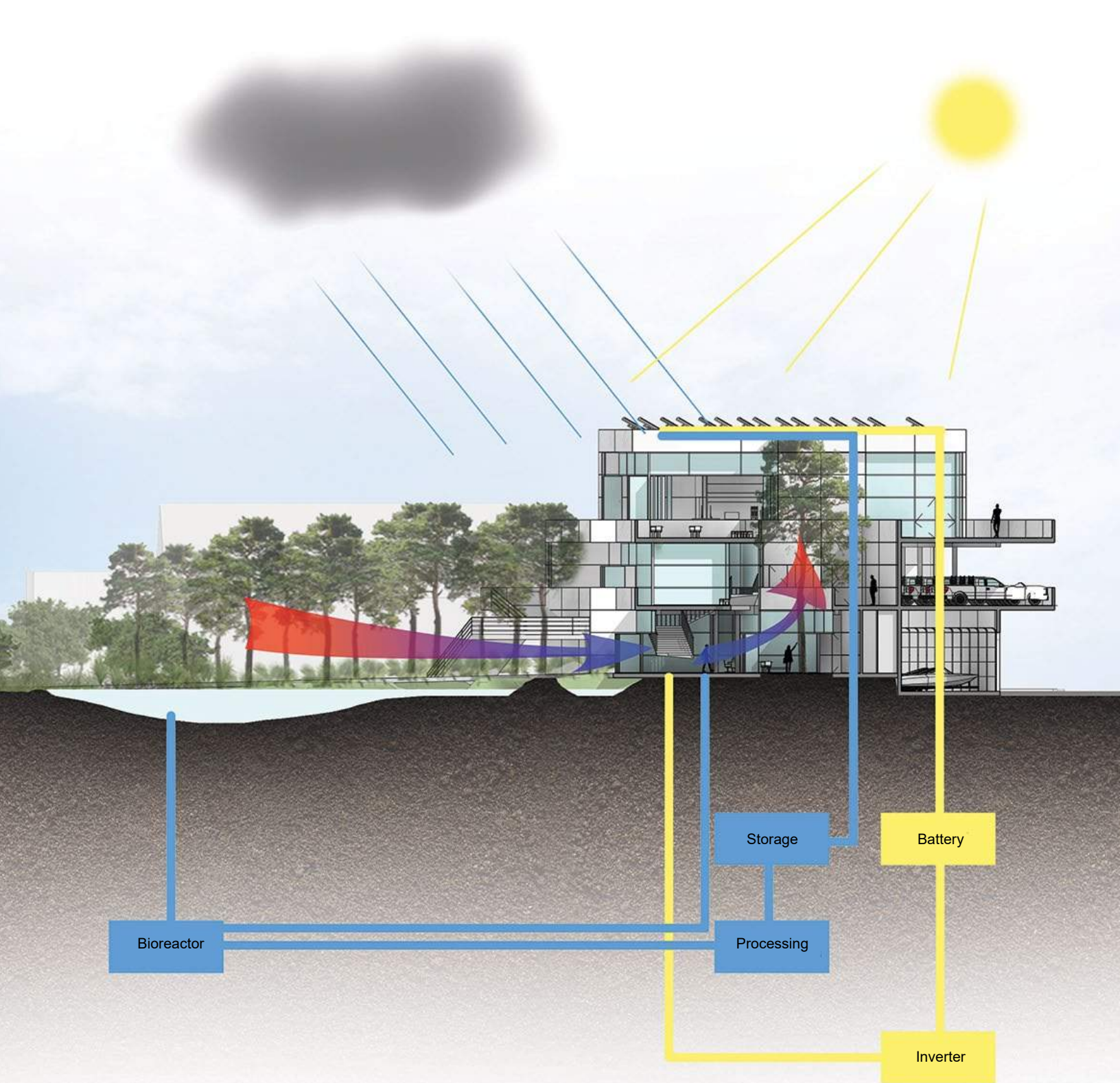
1st Floor



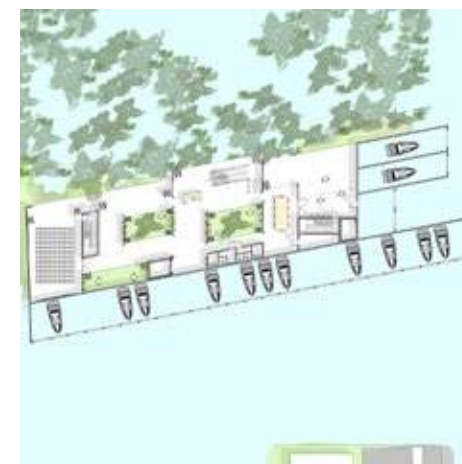
3rd Floor



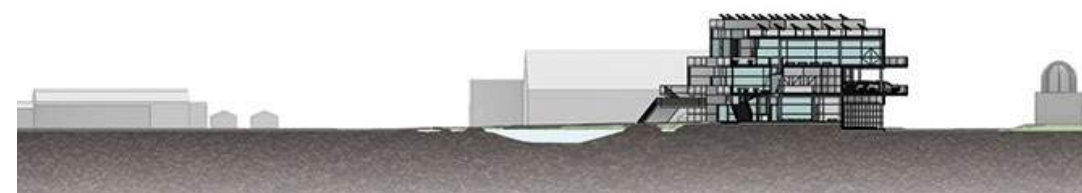
4th Floor



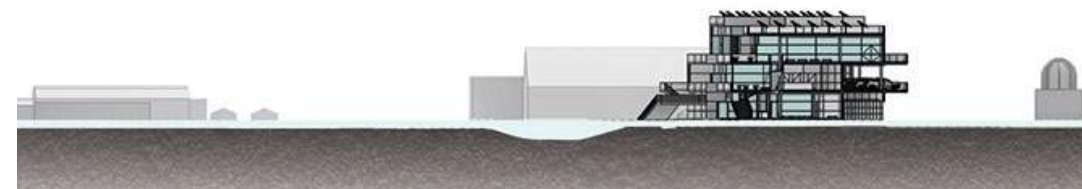
Main Floor 2018



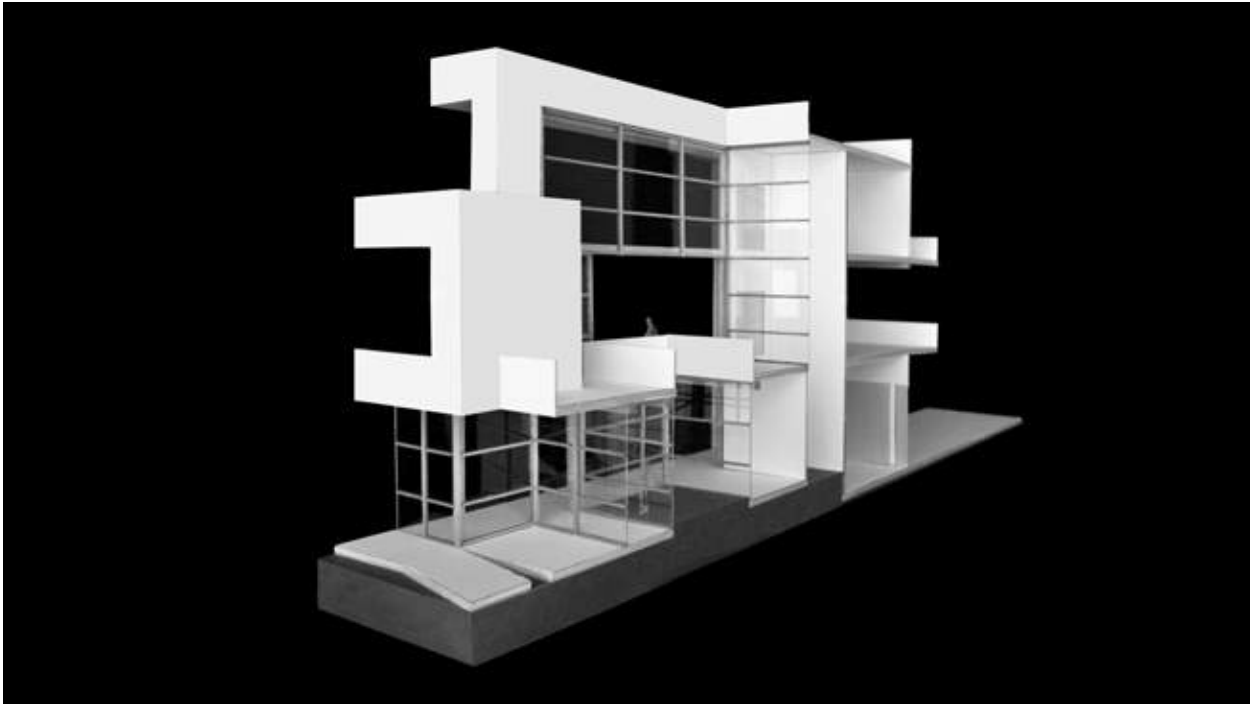
Main Floor 2100



Site Section 2018



Site Section 2100



North / South Section



East / West Section

Work Samples

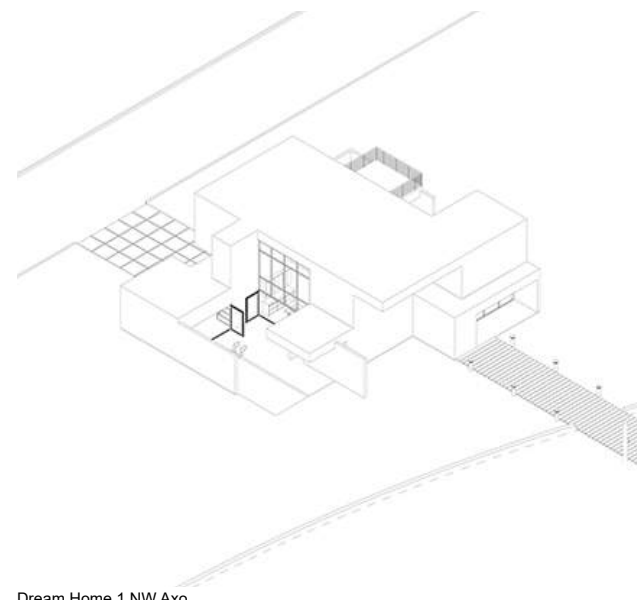
Deluxe Modular New York, NY | Spring 2019

Dream Homes | Deluxe Modular established a Dream Home program in which the company would offer 50 separate home designs available to be purchased for modular construction at our factory. The projects were to be schematically designed and to be further developed upon interest from a customer. Those featured are ones which I was able to design.

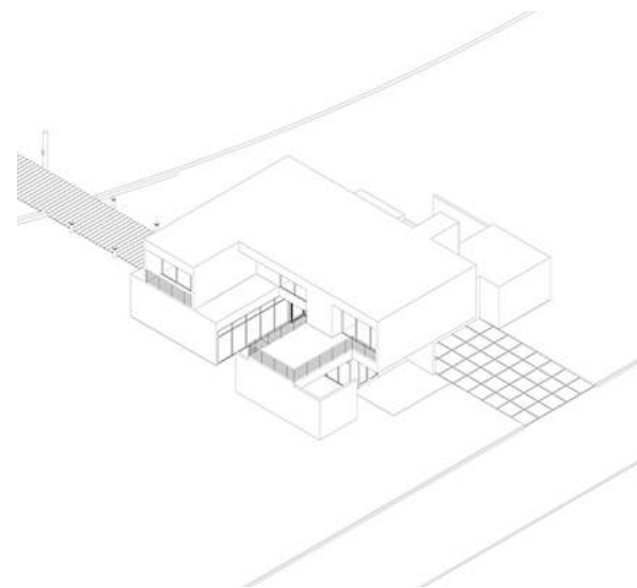
Conference Room | During my time at Deluxe, the NYC office moved and was in need of a new conference room. I was tasked with putting together the set for its construction. The samples featured are extracted from the completed drawing set

Modular Marriott | Our company was approached by the Marriott Hotels brand and was asked to work with them to possibly build their hotels modularly in the future. I was tasked with putting together a set for a sample of a single hotel room built on an existing modular box leftover from a previous project. Much care was taken to ensure that the sample met Marriott quality standards, as well as incorporated the proper finishes and furnishings used in Marriott Hotels. The samples featured are extracted from the completed drawings set.





Dream Home 1 NW Axo

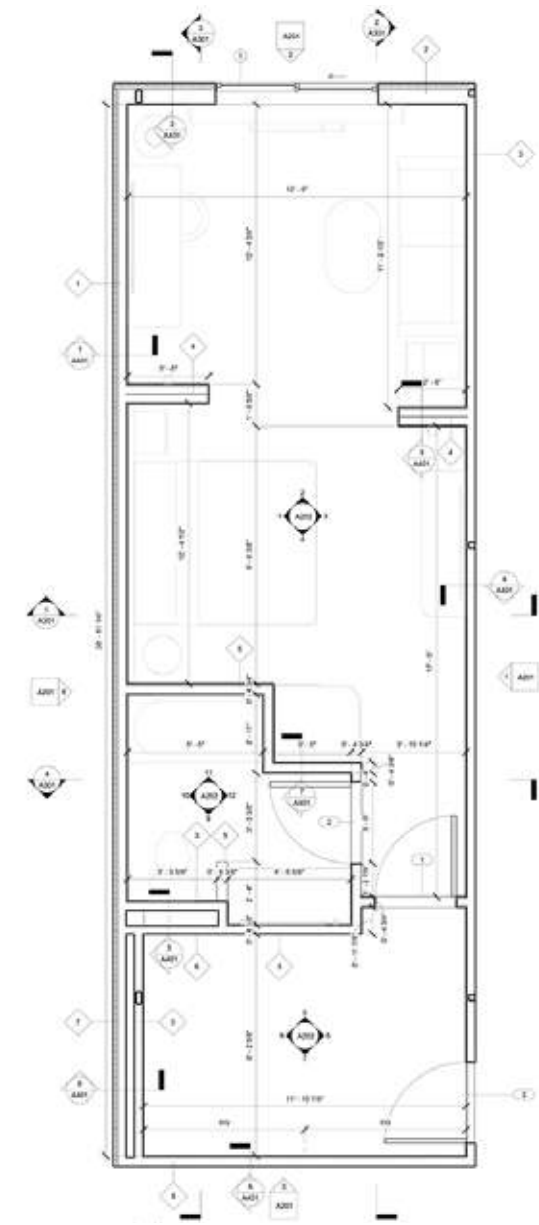


Dream Home 1 SE Axo

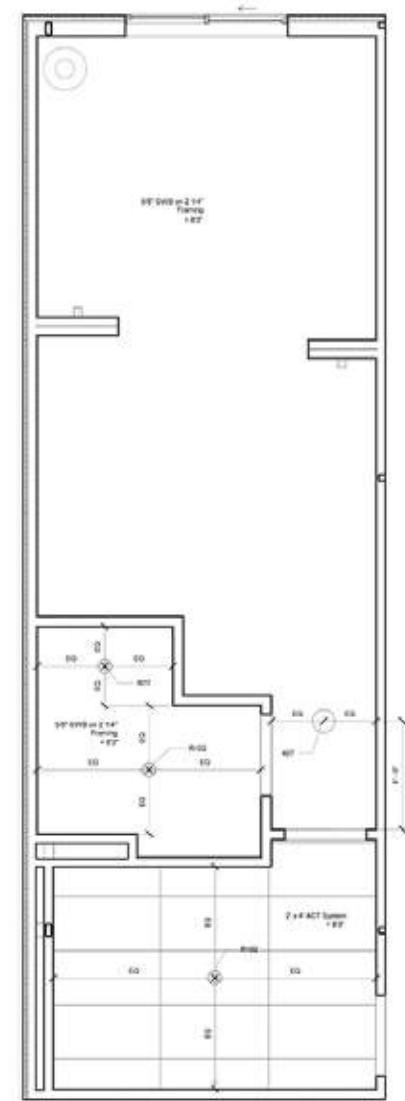




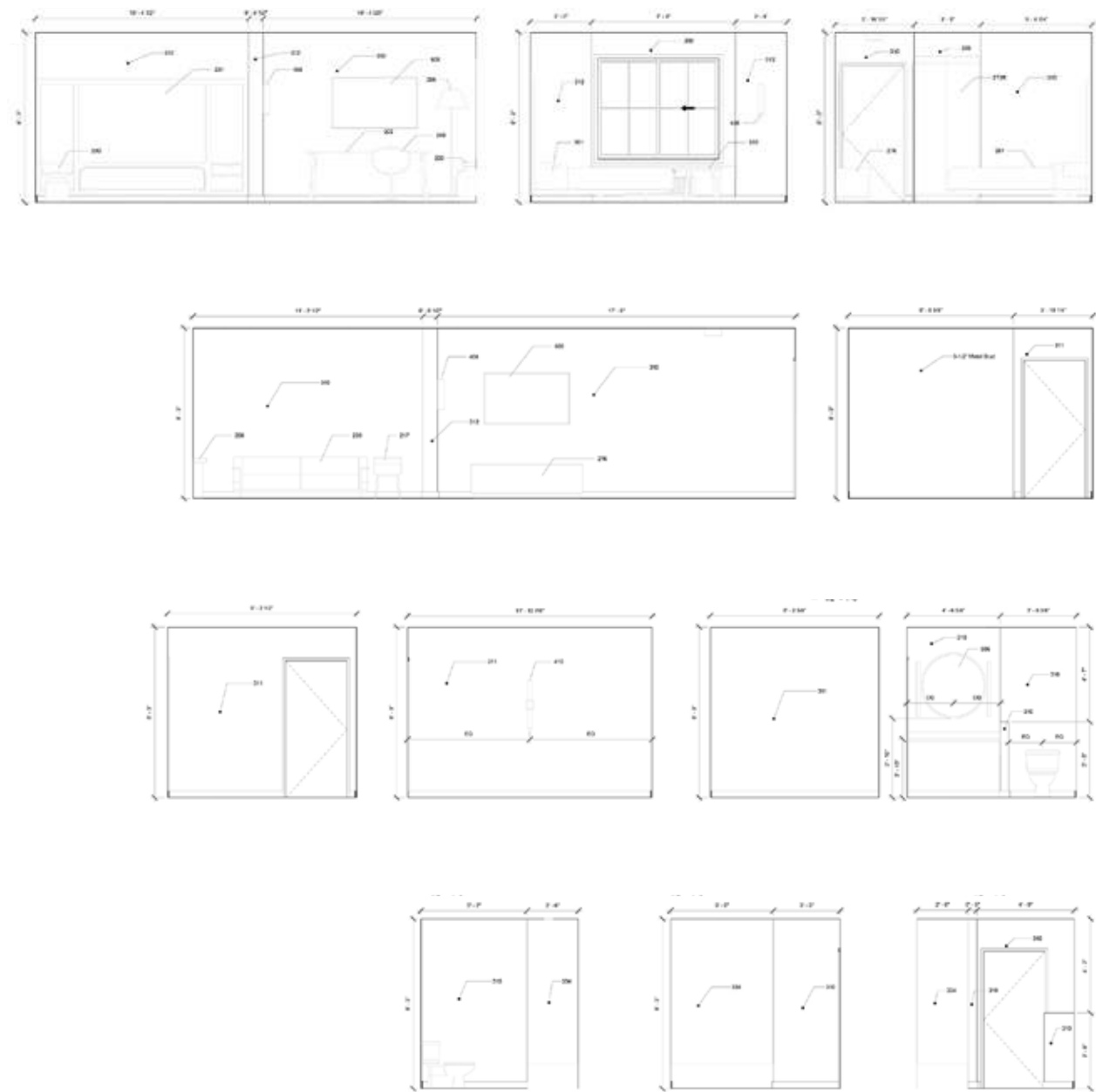




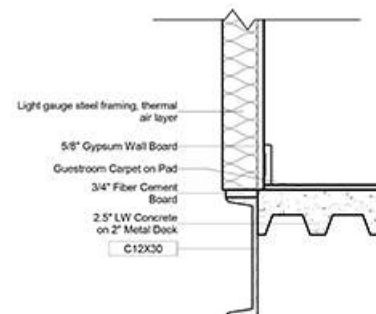
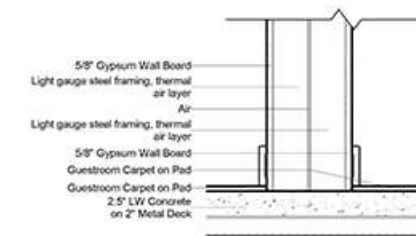
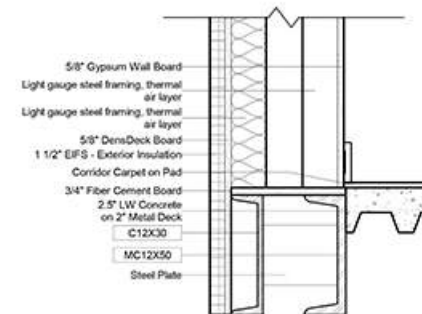
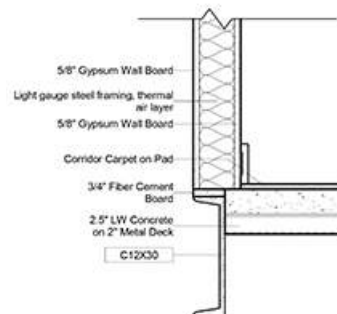
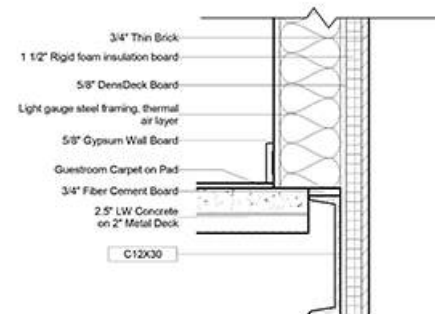
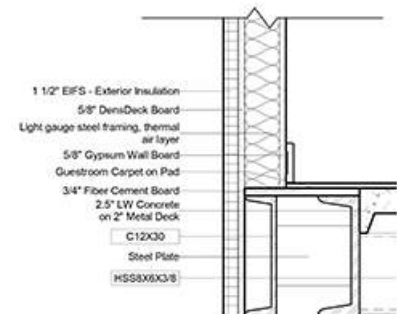
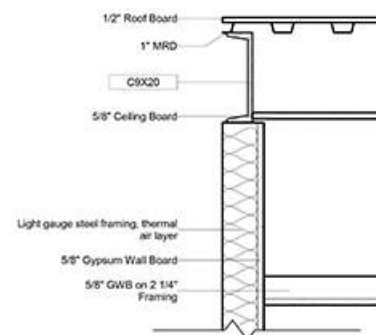
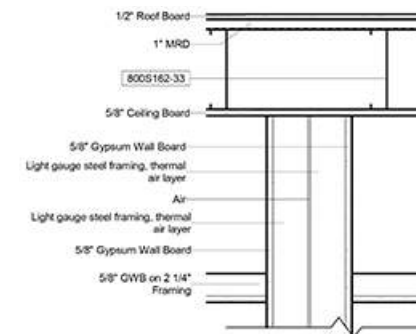
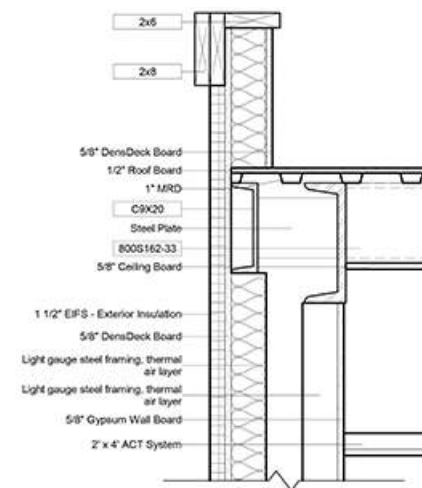
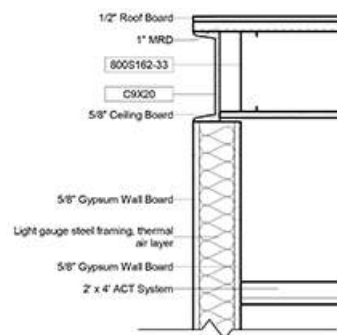
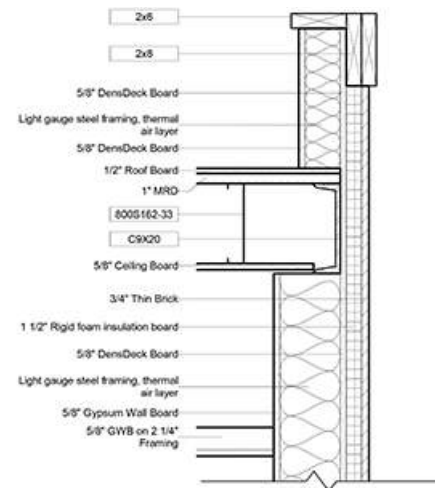
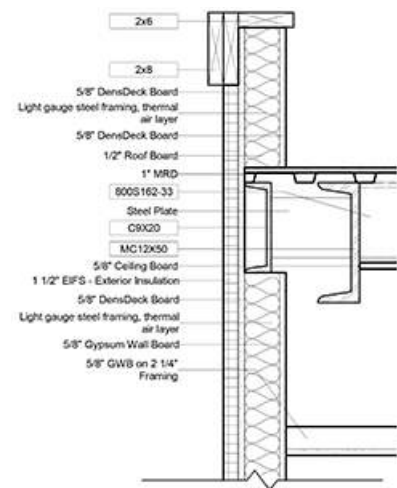
Marriott Plan



Marriott RCP



Marriott Interior Elevations



Tokyo Pavilion

Design Studio 7

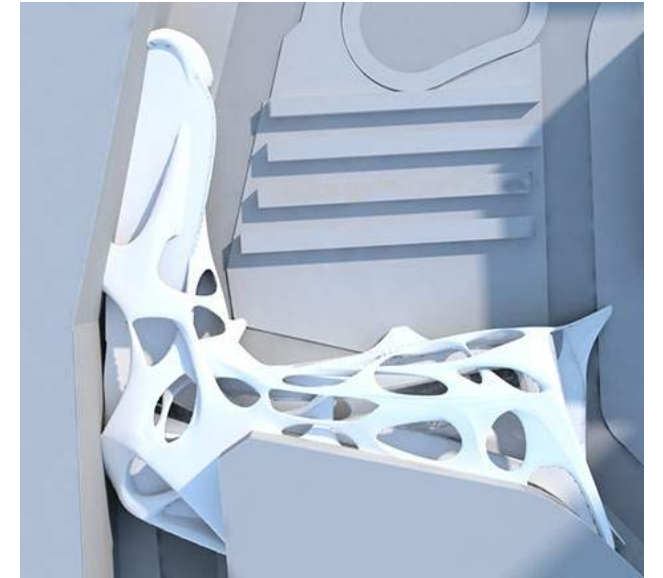
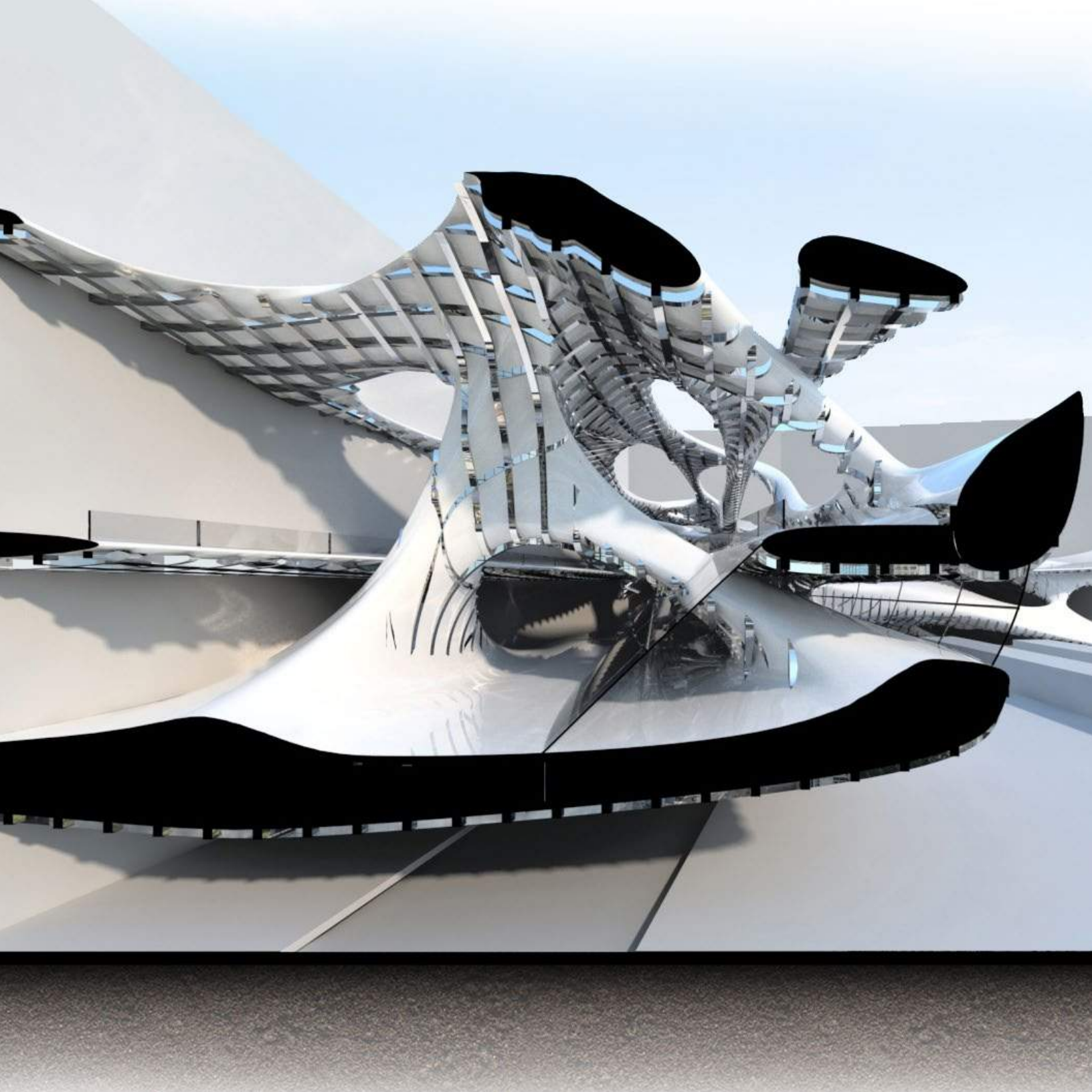
T. Spiegelhalter | Summer 2017

Description | The project featured was designed after a study abroad trip to Tokyo, Japan. In the High density Shinjuku neighborhood of Tokyo, a pavilion was to be designed to represent an assigned brand. The pavilion needed to serve as both a beacon of the city and a pedestrian bridge to help people navigate around the busy streets of Shinjuku.

Concept | In order to best represent the brand Puma and its affinity for technology driven design, a sleek organic contemporary shape was chosen for the pavilion. Large openings in the form allow for light to penetrate despite the density of the surrounding city. Exposing stainless steel structural ribs emphasize a high tech appearance for the brand

Program | The 2 Story pavilion features both interior and exterior spaces designated for a variety of different uses. Some possibilities include a running track on the second floor, and interior retail spaces on the bottom level. The entire pavilion also serves as a pedestrian bridge to allow people to safely cross the busy streets.

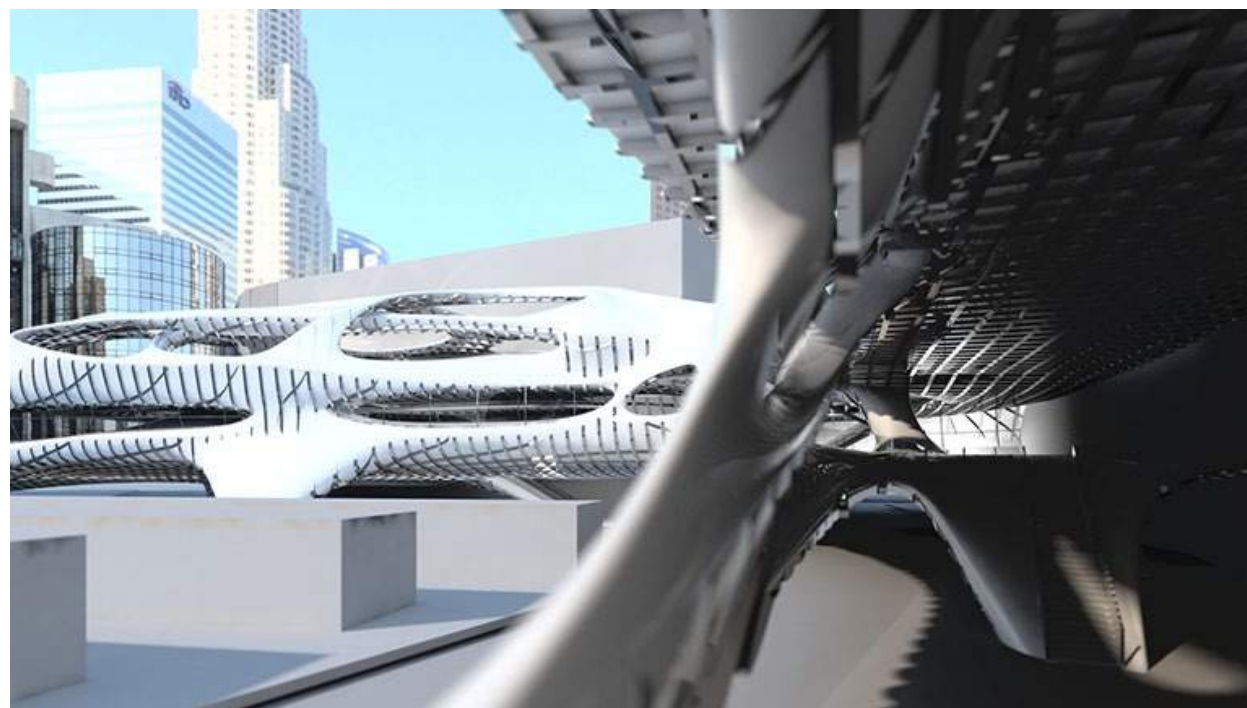
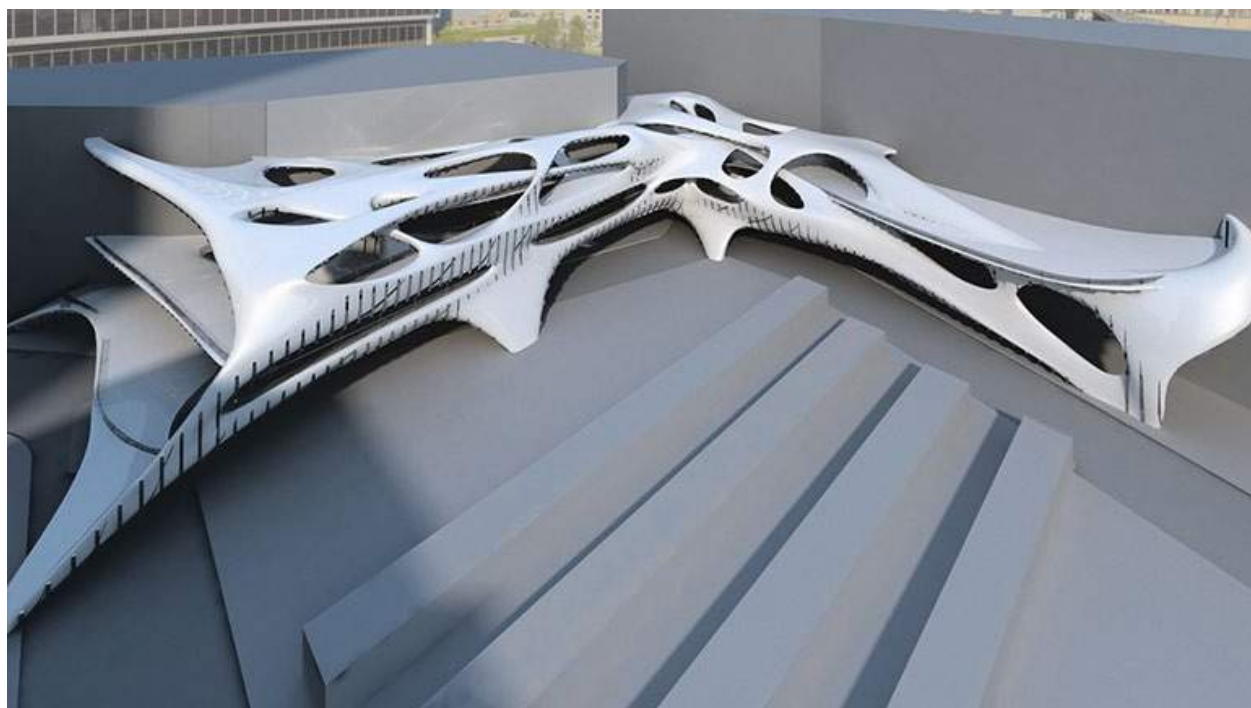




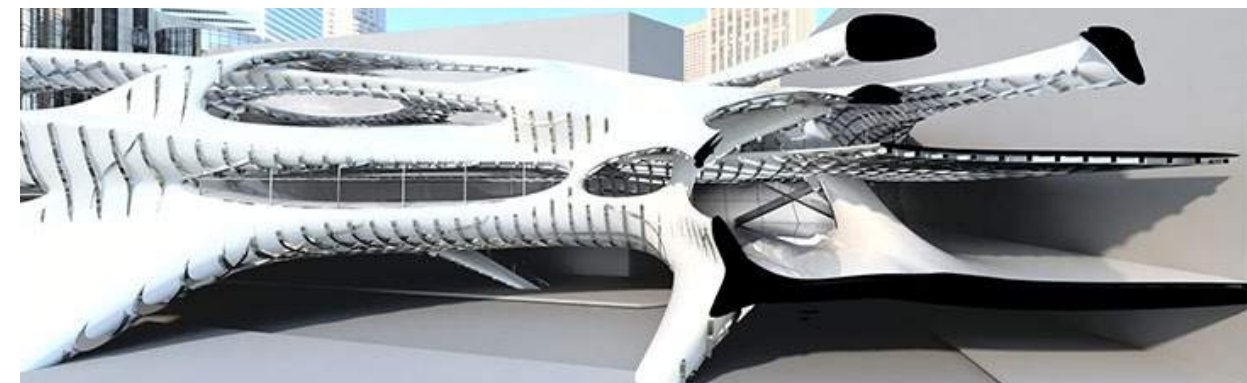
Roof Plan



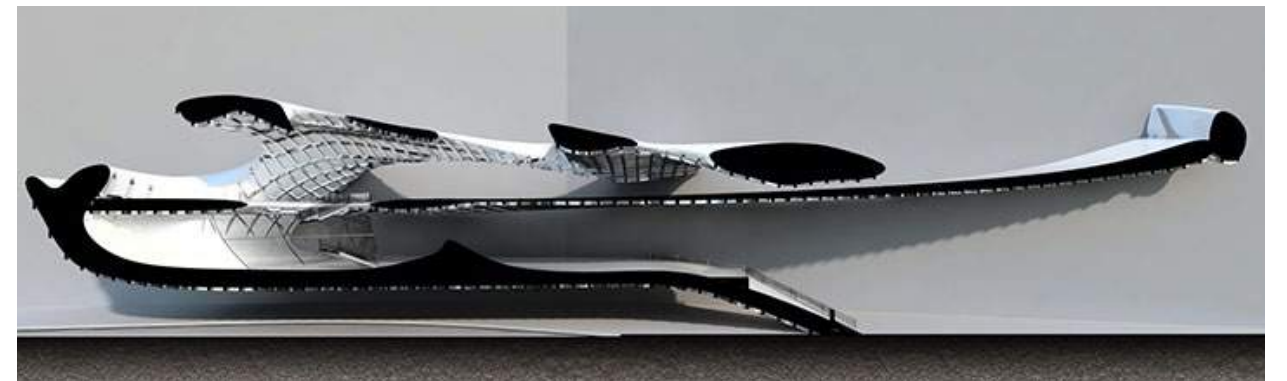
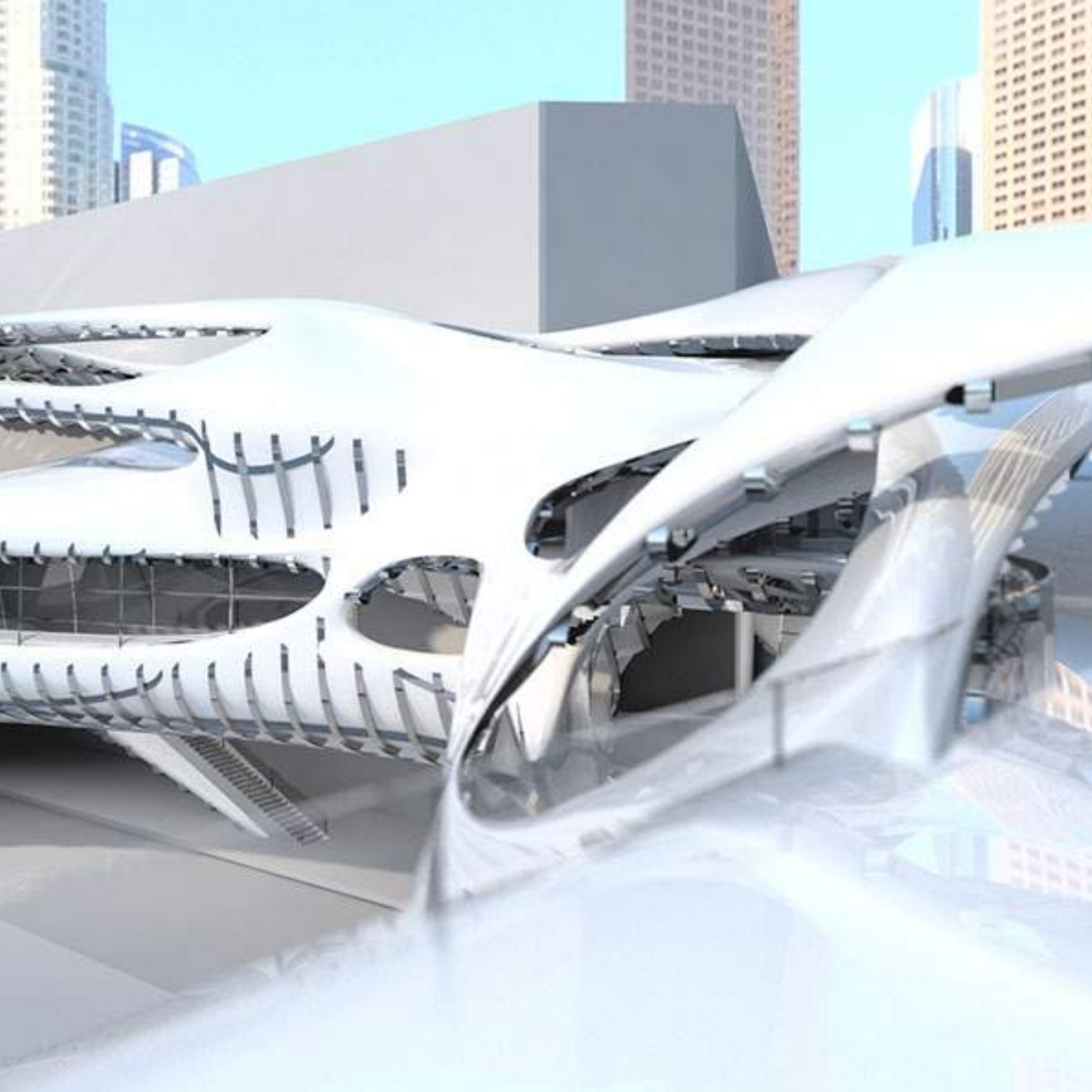
2nd Floor



North / South Section



East / West Section



East / West Section

Bagni Scogliera

Design Studio 8

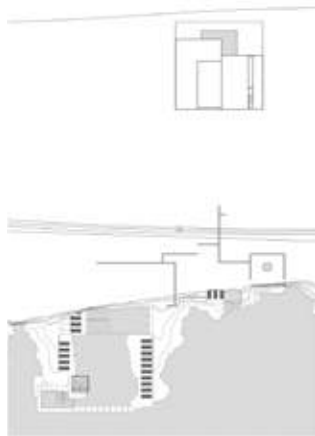
Alfredo Andia | Fall 2017

Description | Bagni Scogliera (cliff spa) was designed in the cliff side Italian city of Nervi on a study abroad trip to Genoa, Italy. Each student was allowed to pick their own site and program for their project. The dramatic seaside cliffs and elegant stone created the perfect location for an outdoor spa.

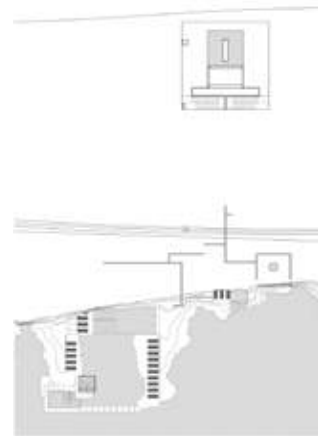
Concept | By carving the project into the stone of the cliffs, its visitors are constantly surrounded by the natural beauty of the site. Huge vistas direct guests view to the calming Mediterranean sea, while slits of light penetrate spaces and flow streams of water as they proceed from pool to pool and eventually spill over the cliff and into the sea.

Program | The project features a check in room above ground. The remainder of the project is carved into the cliff and includes changing / locker rooms with showers and bathrooms, multiple pools and areas for relaxation.

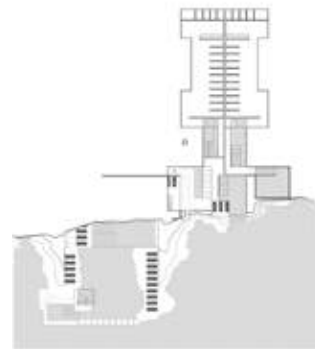




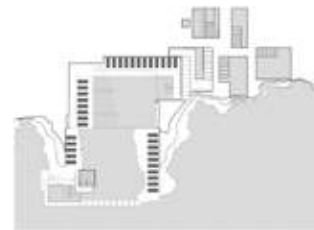
Plan 1



Plan 2



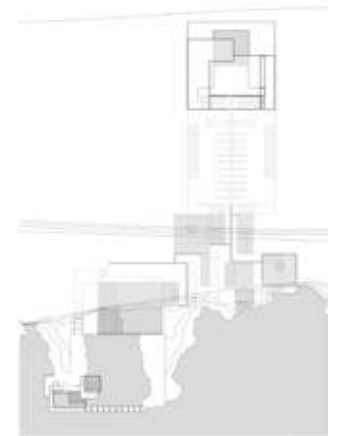
Plan 3



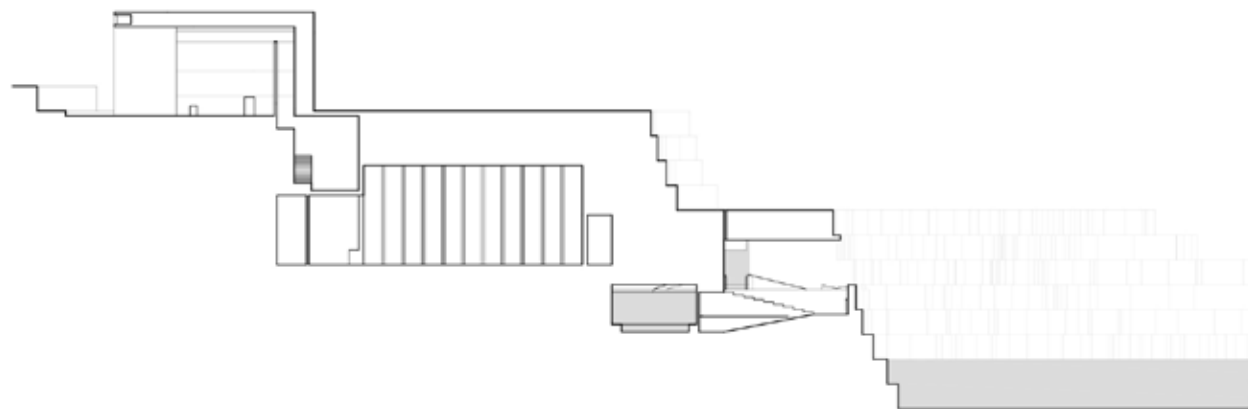
Plan 4



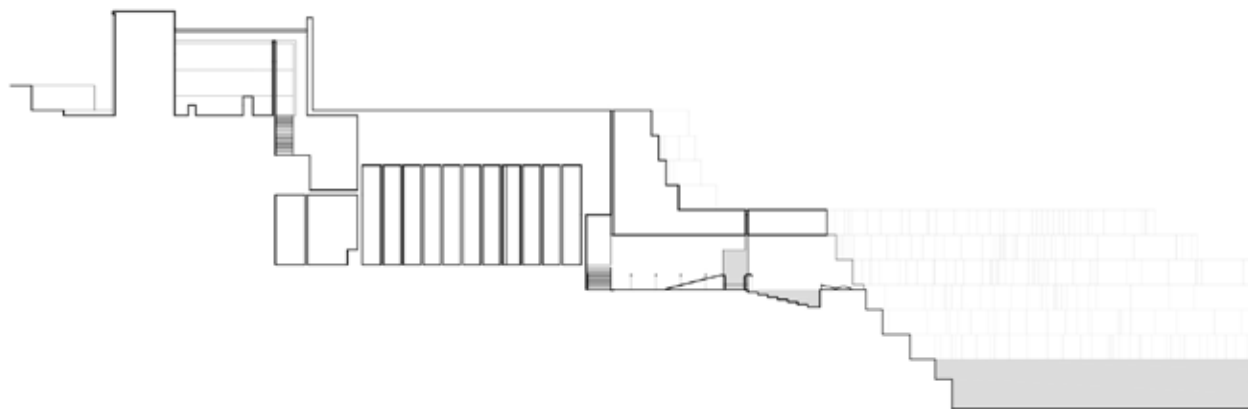
Plan 5



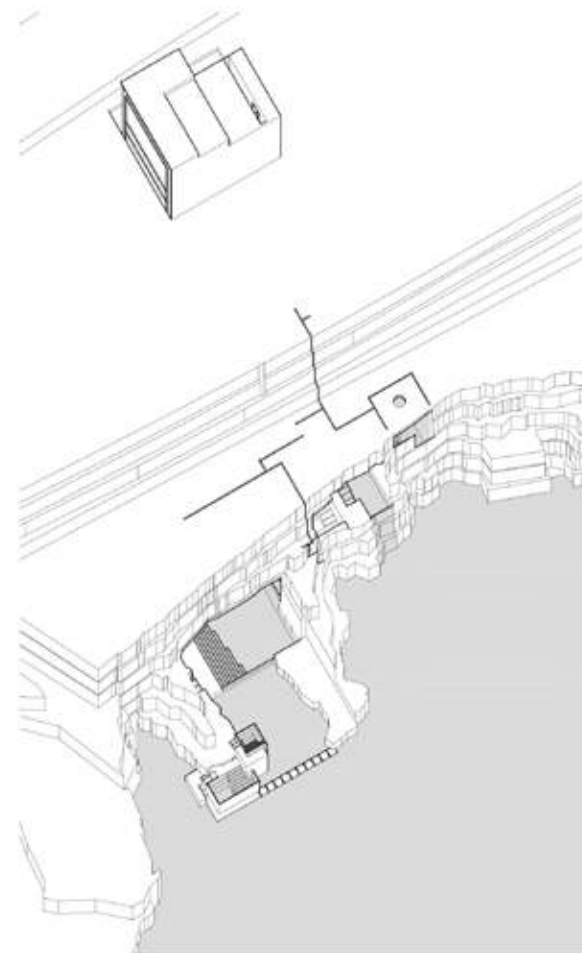
Plan Wire frame



Section 1



Section 2



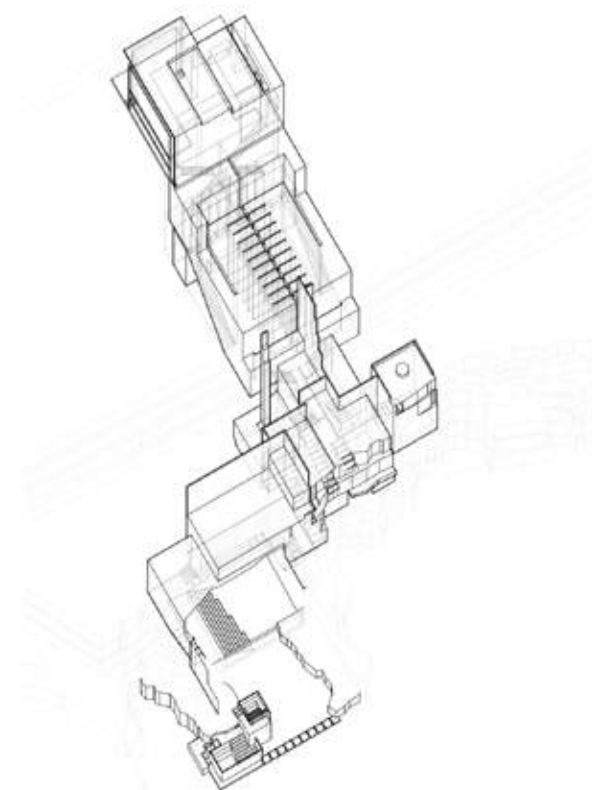
NE Axo



Section 3



Section 4



NE Axo Wire frame

Infill Housing

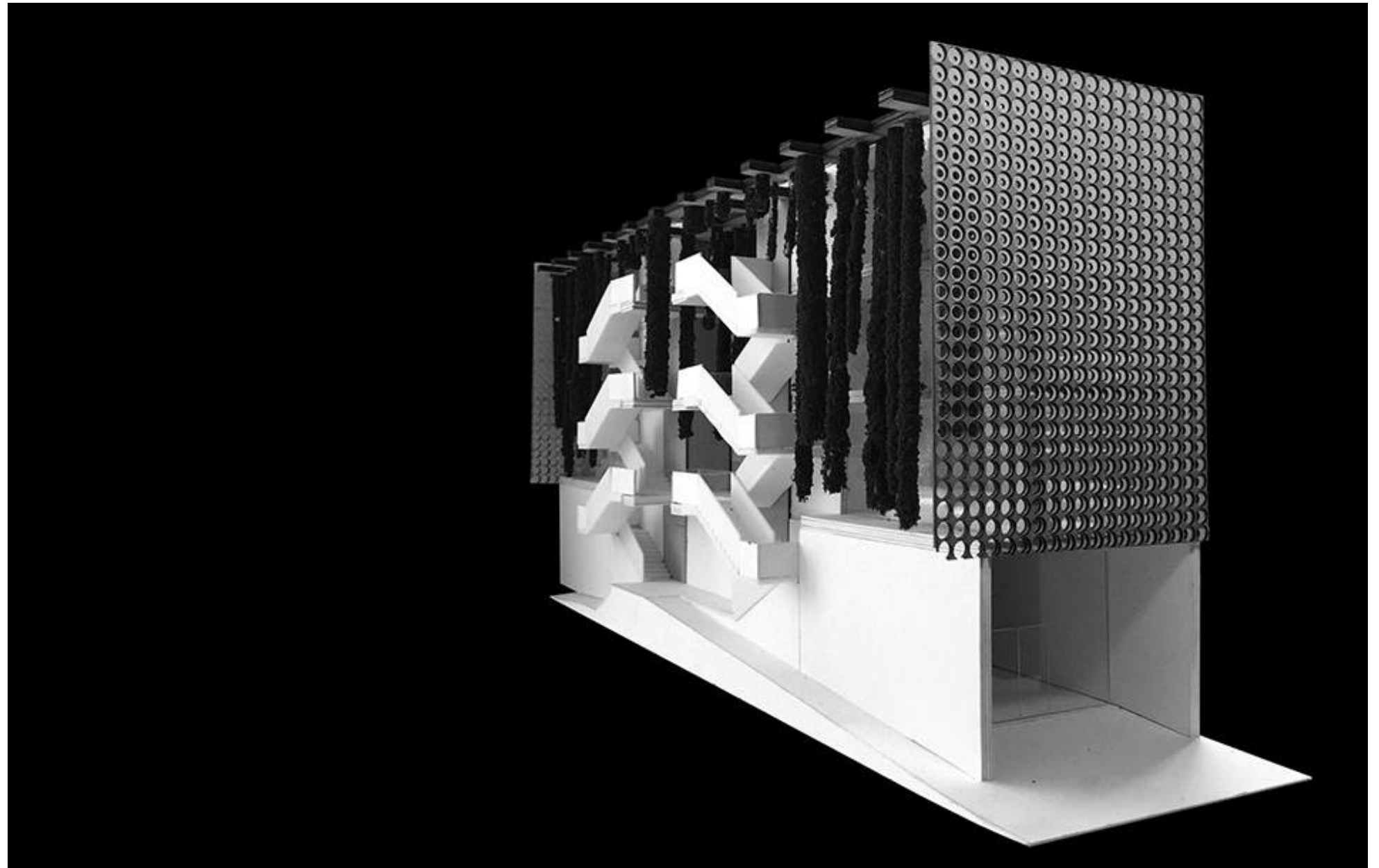
Design Studio 6

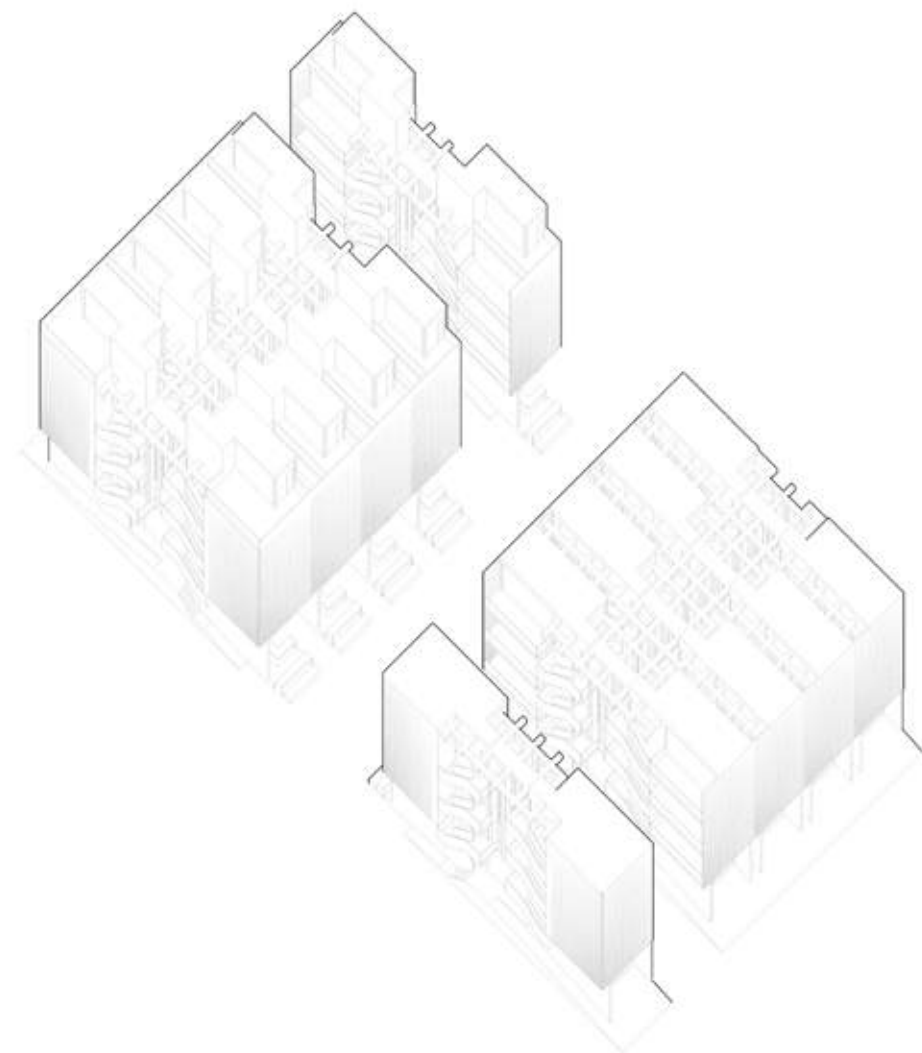
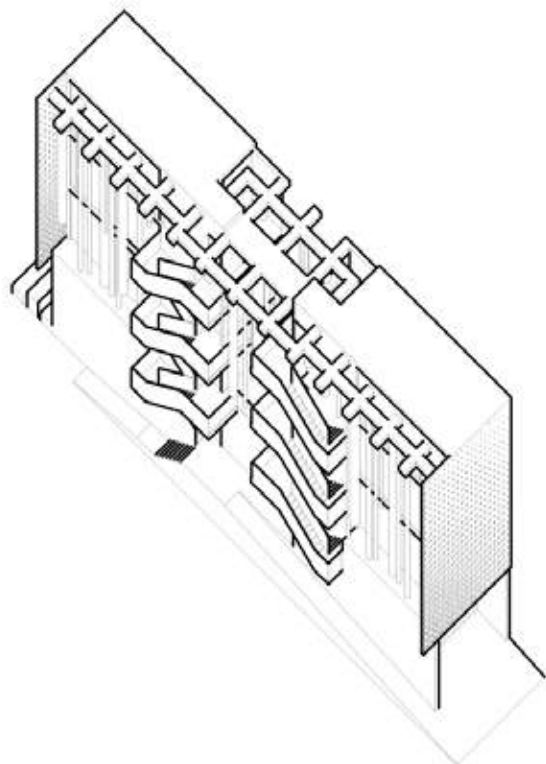
Cynthia Ottchen | Spring 2017

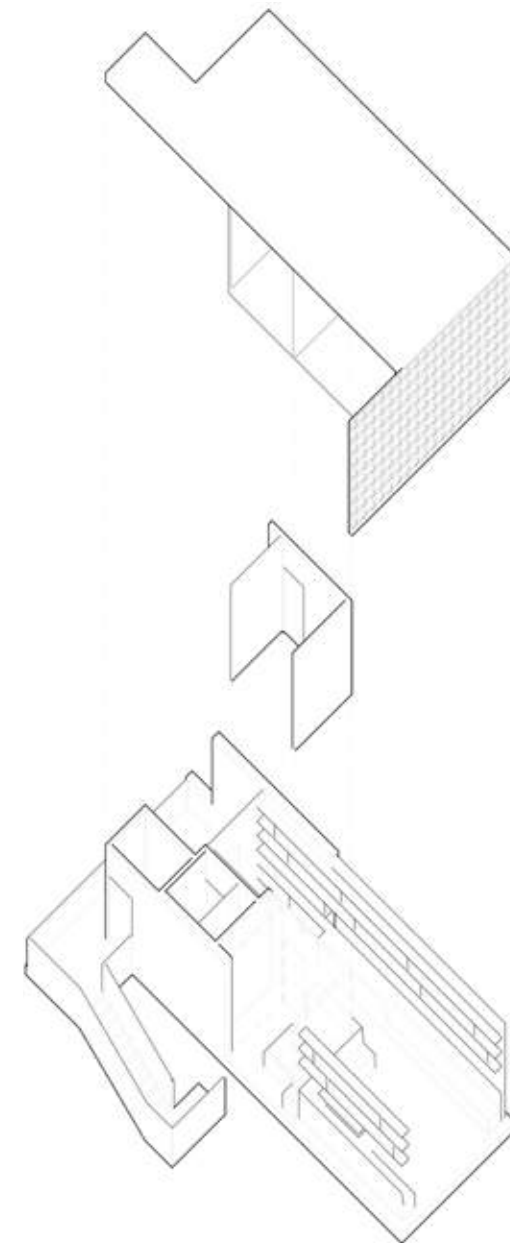
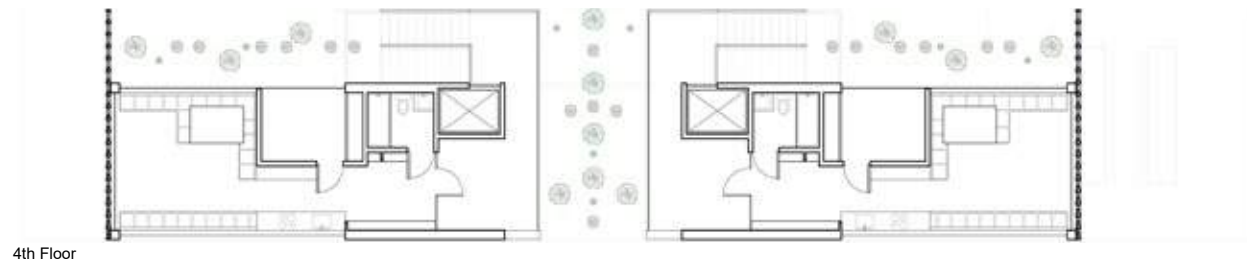
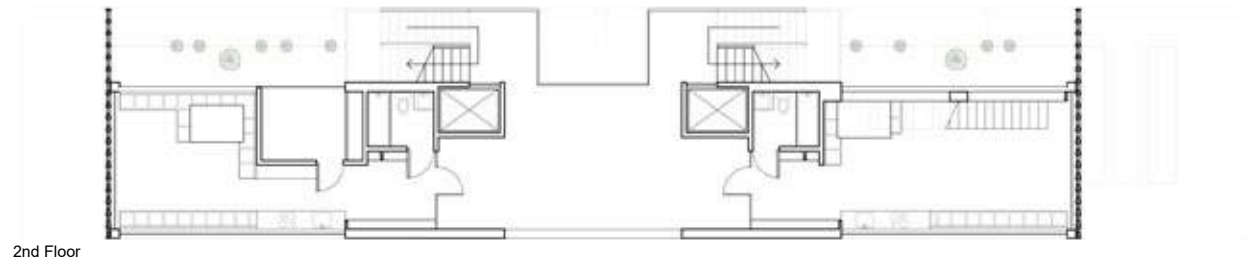
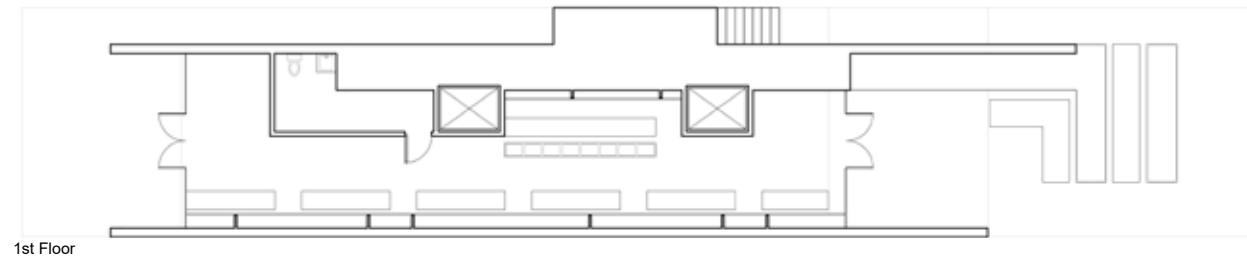
Description | Students were asked to design infill housing for a large lot in Miami Beach. Due to the long and narrow nature of infill houses and parti walls between units demanded innovation to get natural light throughout.

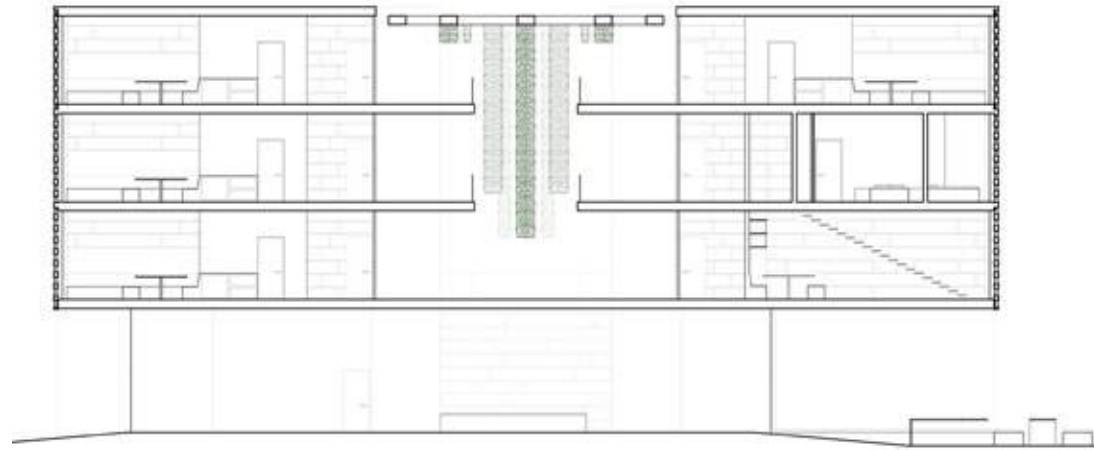
Concept | By locating exterior egress stairs on one side of the project, a separation is created between neighboring buildings. This and the inclusion of an interior courtyard allow natural light to penetrate the building from multiple sides. Hanging gardens help to cool the air and allow for cross ventilation in the rooms. Kinetic apertures on the buildings facades open and close in response to the location of the sun, eliminating solar heat gain on its edges.

Program | The 4 story project features a large retail space on the ground floor and 6 housing units on the remaining 3.

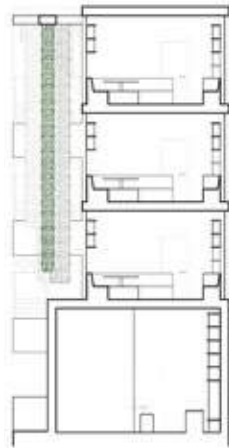








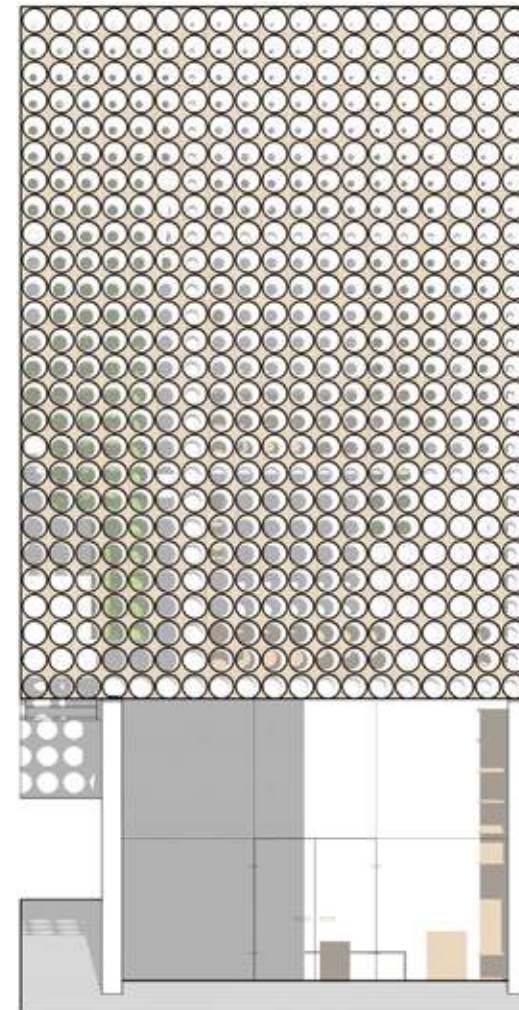
Longitudinal Section



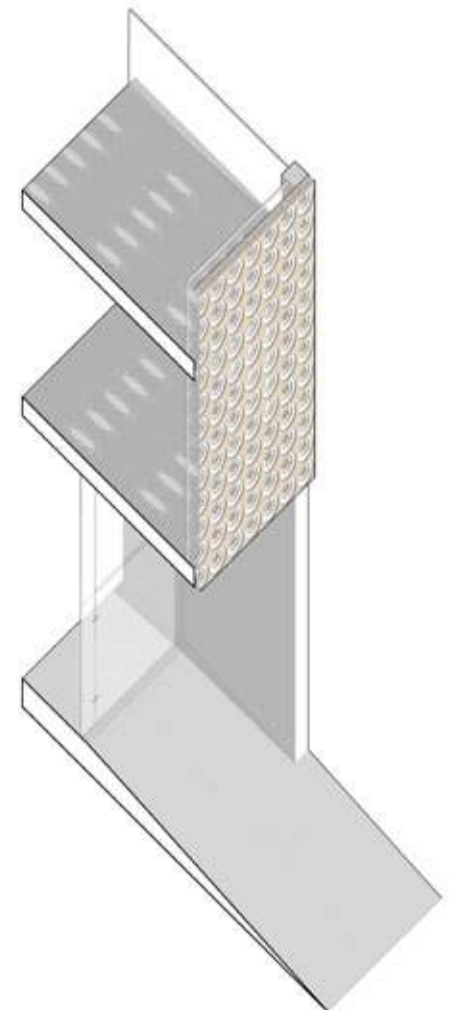
Transverse Section 1



Transverse Section 2



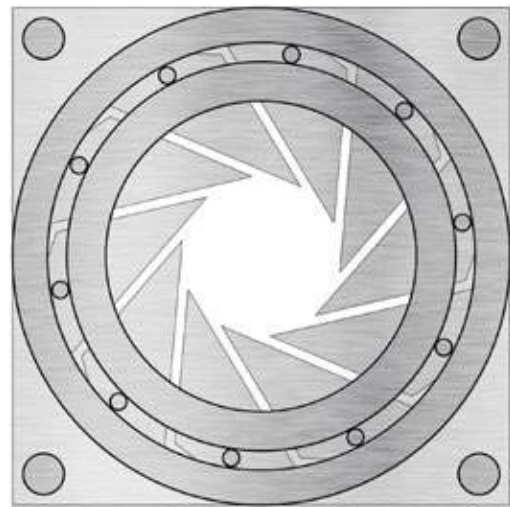
Facade Elevation



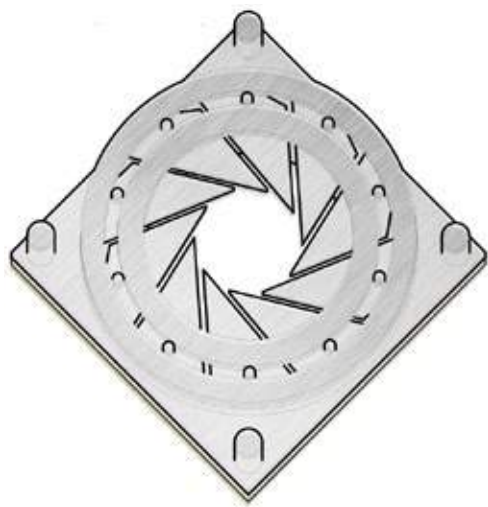
Facade Section Axo



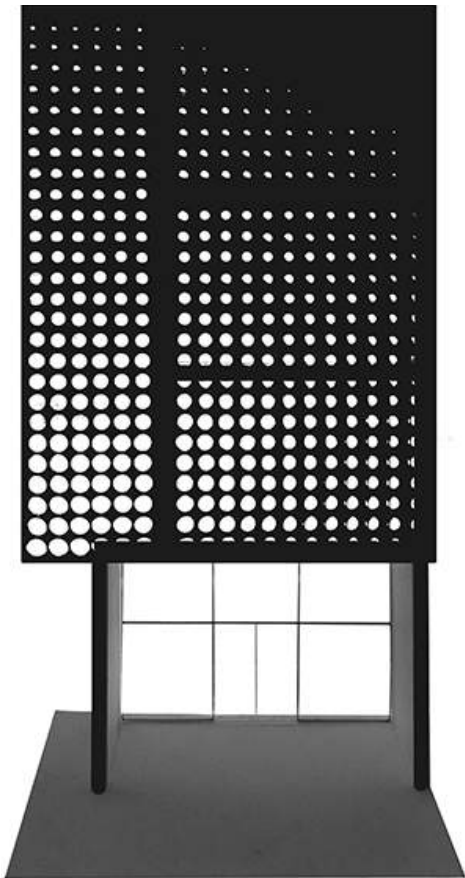
Grasshopper Script + Facade Response to Solar Angle



Aperture Plan



Aperture Axo



Facade Model

Kevan Kasmai Has a masters of Architecture from Florida International University. He graduated in Spring of 2019 with the honor of Summa Cum Laude, an award reserved for those students who achieve a 3.9 GPA or higher.

Throughout his time at Florida International University, Kevan also worked as a Graduate Assistant for Structural Engineering Courses, as well as hold the role of Head Designer in an international design Competition In Germany.

He has developed his knowledge of many fundamental computer design softwares as well as fabrication skills in many fields such as CNC milling, 3D printing and laser cutting.

The projects shown in this book are examples of Kevan's work spanning his 5 years in Architecture school. They aim to demonstrate his design, drawing, and software capabilities.

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