

ARCHITECTURE

# PORTFOLIO

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Fahriye Betul Caliskan  
*Bachelor of Architecture 2027*



# RESUME

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## EDUCATION

### Present-05/2027: UNIVERSITY OF HOUSTON, TX

(Honor Student, Sophomore, Architecture Major, Construction Management Minor)

- Awards earned: Won Future Women in Architecture (FWIA) drawing competition (Fall 2024).  
Nominated for Prospectus (Fall 2021)

### 08/2021-07/2022: KENNESAW STATE UNIVERSITY, GA

(Honor Student, Freshman, Architecture Major, Construction Management Minor)

3.87 GPA-33 credits

### 08/2020-05/2021: GEORGIA SOUTHERN UNIVERSITY, GA

(Dual Enrollment, High School Student)

4.0 GPA- 9 credits

### 08/2020-05/2021: FORSYTH CENTRAL HIGH SCHOOL, GA

- Awards earned: Congressional Art Competition winner at Georgia District 12 (see page 26).  
Capitol Art Competition winner at Georgia District 12 (see page 27).

## WORK EXPERIENCE

### Architecture Studio Mentor (2024-present)

- Collaborated with FWIA to help freshmans with softwares, studio life, and adjust architecture school.

### Computer Lab Assistant (2022-present)

- Helping architecture and engineering students with any issues related to computer, printing or software issues.

### Summer Camp Teacher (2021)

- Collaborated with K12 student counselors to design fun and enriching learning activities.

## SOFTWARE

- |                     |                  |                   |                     |
|---------------------|------------------|-------------------|---------------------|
| o Autodesk Inventor | o Autodesk Revit | o Rhinoceros      | o Adobe Illustrator |
| o AutoCAD           | o MS Office      | o Adobe Indesign  |                     |
| o Microsoft Outlook | o Bluebeam Revu  | o Adobe Photoshop |                     |

## LANGUAGES

- o English
- o Turkish

## CONTENT



### ARCH 3500

#### LINEAR LAYERS

6

The project analyzes Texas City's layered residential and industrial development, integrating a layered front technology for cooling and ventilation, interconnected buildings with dispersed programs, kinetic solar panels, and a visible linear grid reflected in the site design.

### ARCH 2501

#### CLOVERLEAF

16



Cloverleaf, inspired by Le Corbusier's Carpenter Center, integrates dynamic shapes, botanical charm, and thoughtful connectivity, featuring curvilinear forms, a welcoming water-surrounded entrance, a central gathering area with a bar, and an accessible kitchen view, reflecting an evolution of architectural concepts.

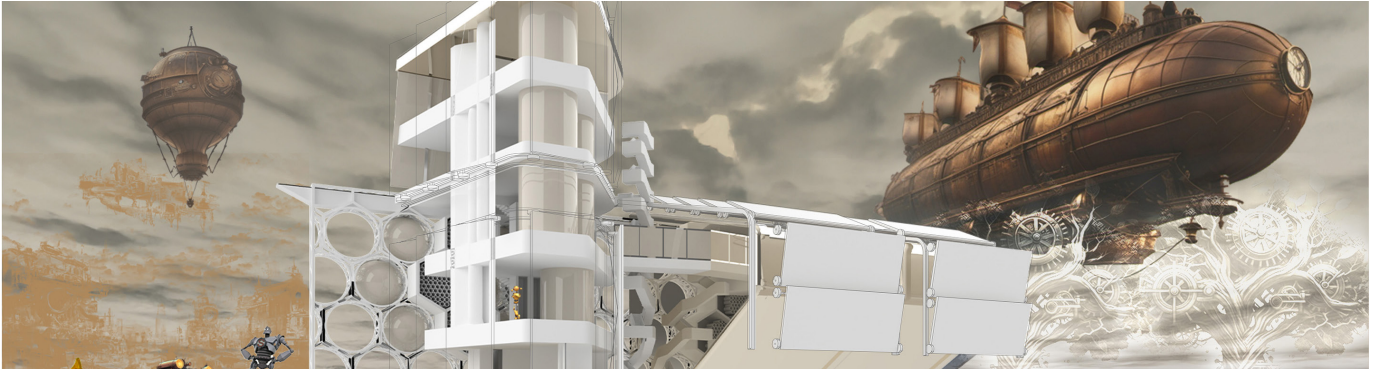
### ARCH 2500

#### SIPHON: Where Art Meets Science

24



The design of 110 Milam Street integrates art and science into a single immersive water experience, with water flowing through tubes from the roof to the second floor, enhancing both aesthetic and functional elements, and providing interactive public and private spaces.

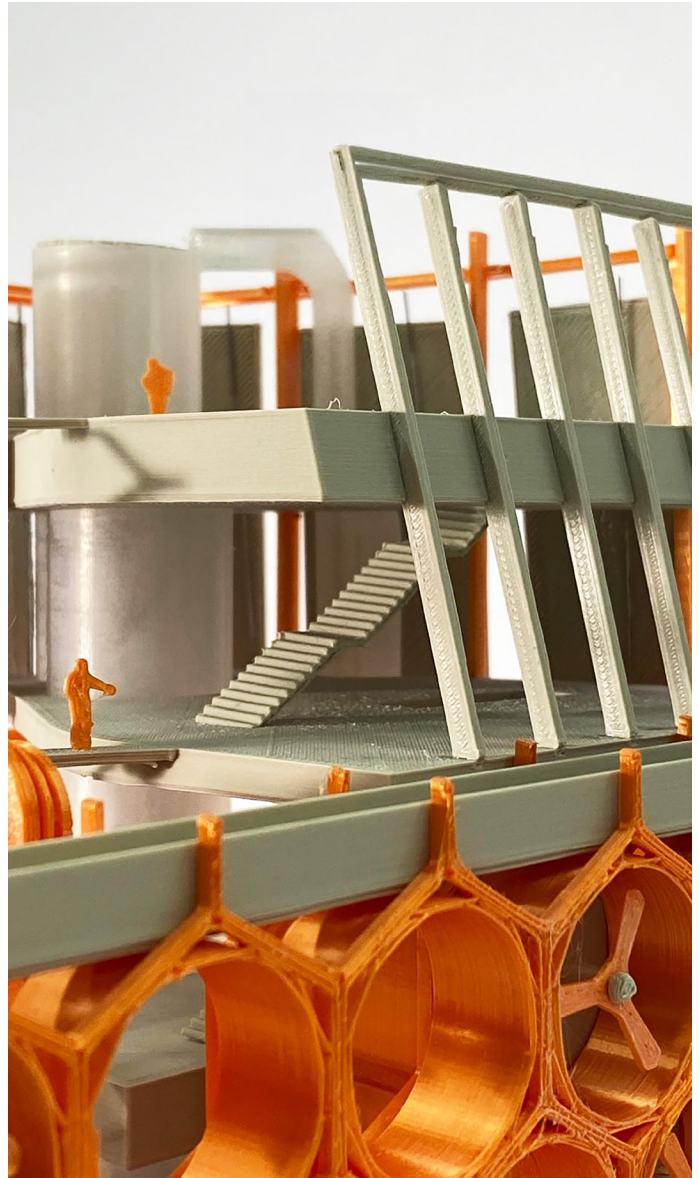


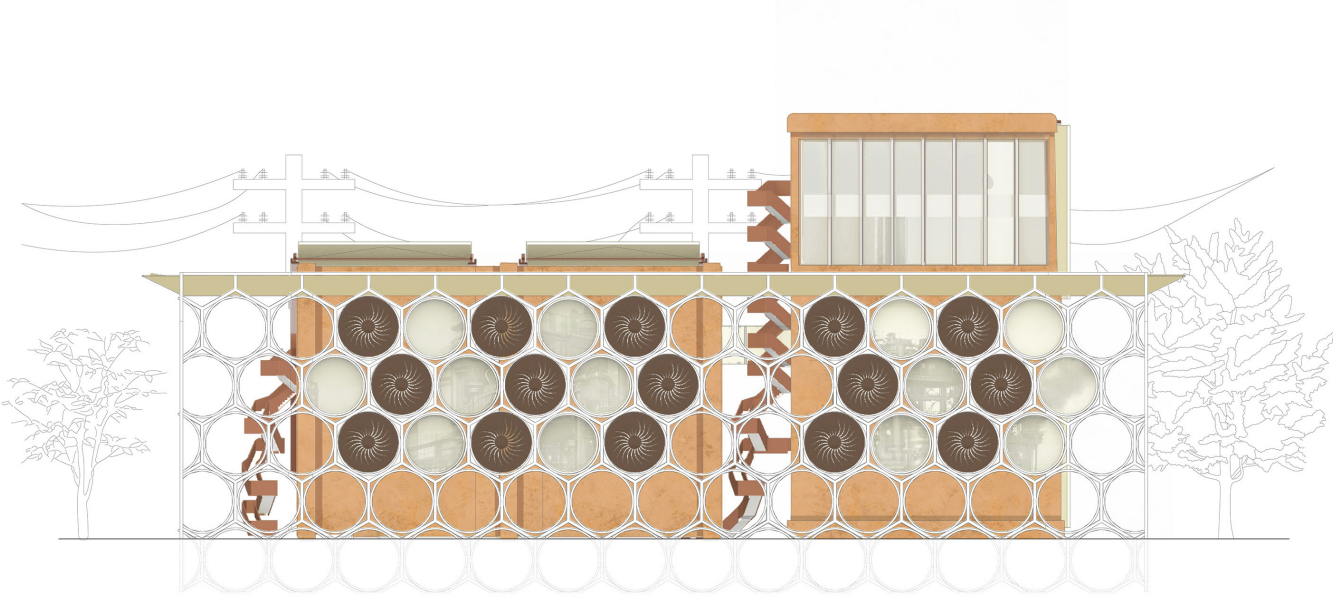
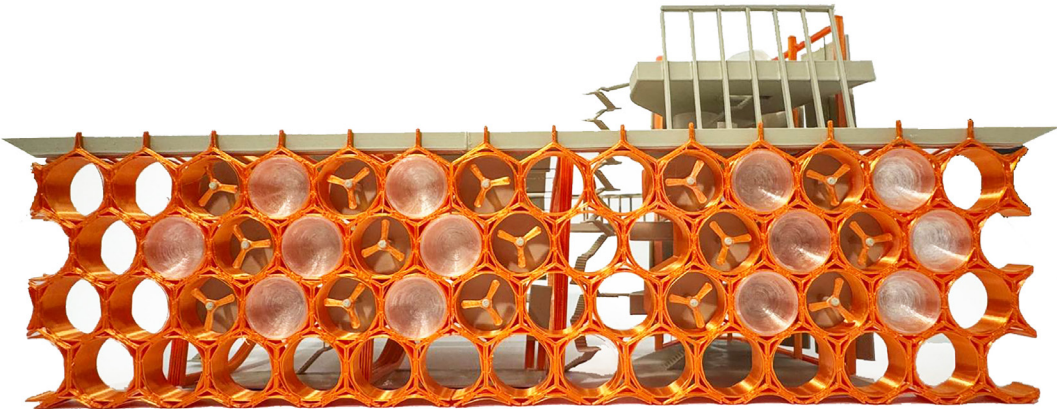
# LINEAR LAYERS

William Truitt- Fall 2024

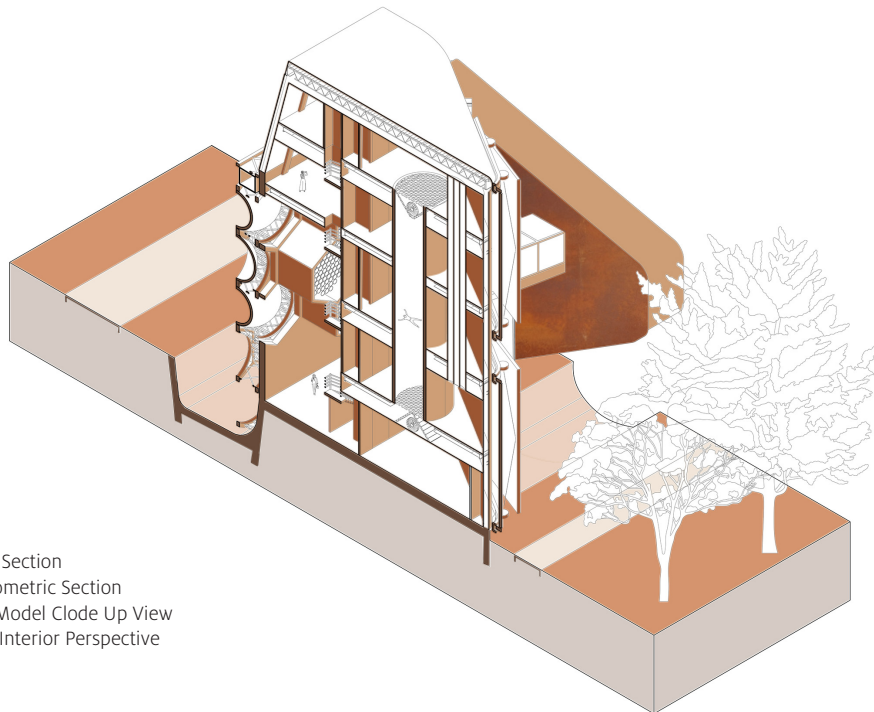
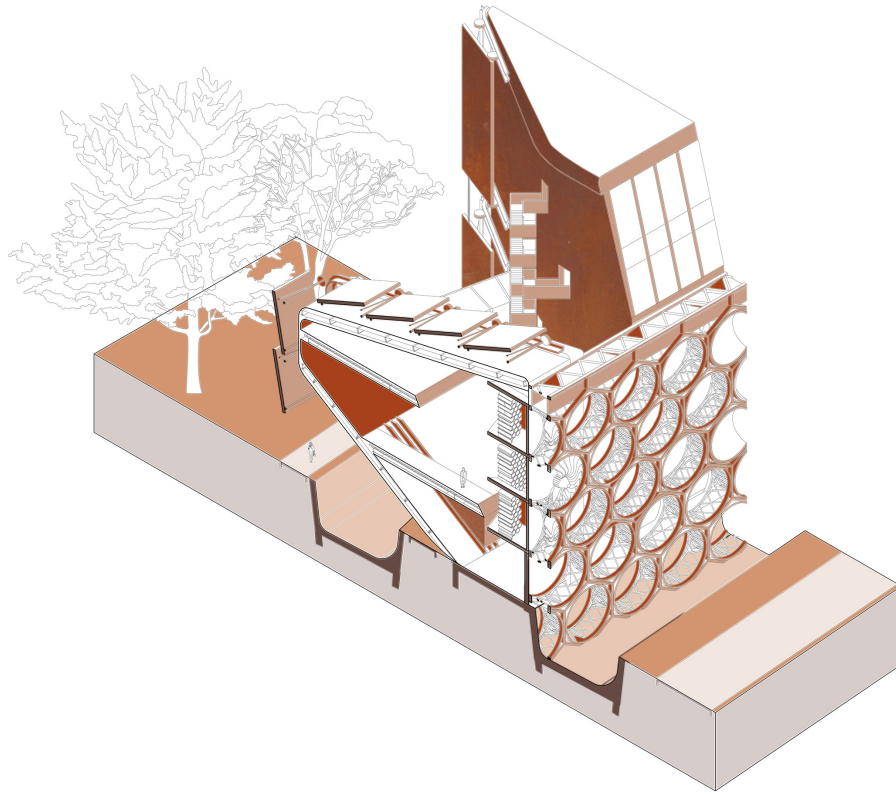
FWIA Drawing Competition Winning Project

Through Texas City analysis, I discovered three layers of residential and industrial layers moving over the years. As the industrial area has moved north, the residential grew towards northwest. I took the concept of layering and specifically on the front technology. In this front technology, there are several layers creating a pathway for air. First these exterior fans take in the air to the building where it meets honeycomb shaped filters. These filters are located on the end of structural honeycomb extensions. From then, the air meets the domed pottery beehive cooling system. Once the hot air goes through damped pottery tubes. it comes out cooled down. And with that, air finds its way to the building. This technology acts as an individual structure and the buildings are connected to each other through a bridge and all of the floor plates are cut off to highlight the technology. While the main program is an I-FLY, all corresponding programs are dispersed to keep the visitors interactive within the two buildings. Additionally, the building has kinetic solar panels that can be adjusted for the sun's direction. As an emphasis to the layers, there is a visible linear grid within my programs. This is also visible on the site, though the trees, pathways, and bodies of water.



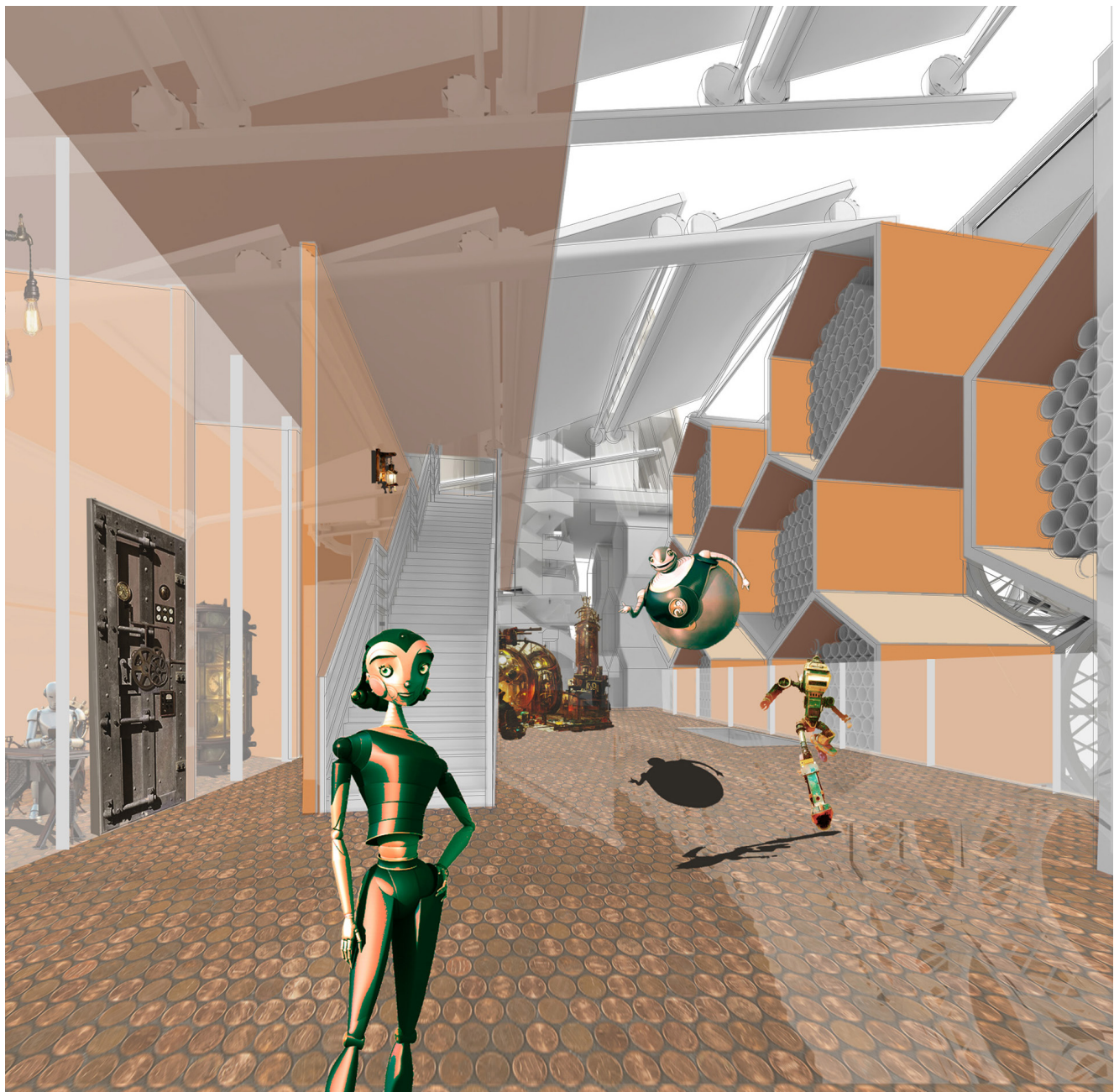


**Left:** Final Model Close Up View  
**Right Above:** Final Model Front View  
**Above Next:** East Elevation Drawing



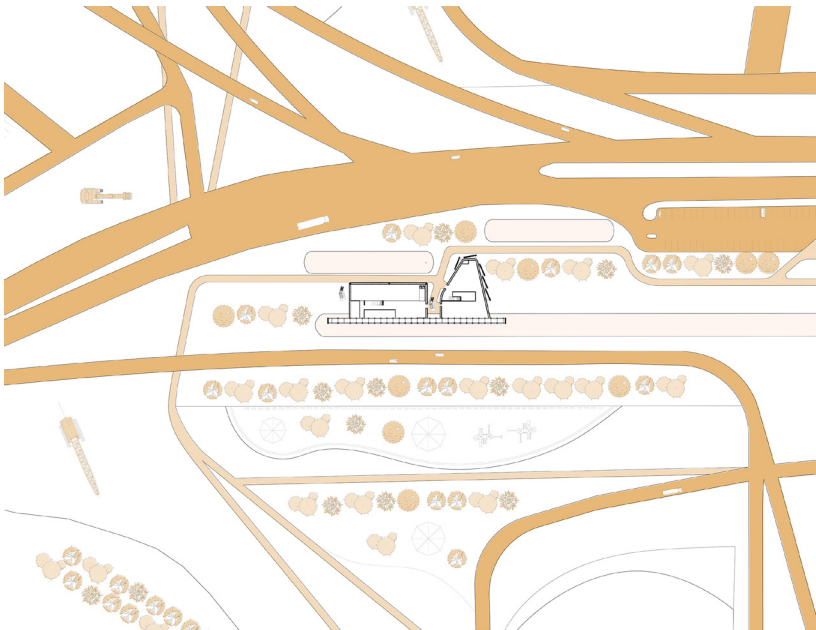
**Above:** SE Isometric Section  
**Above Next:** NW Isometric Section  
**Right Above:** Final Model Clode Up View  
**Right Above Next:** Interior Perspective Drawing

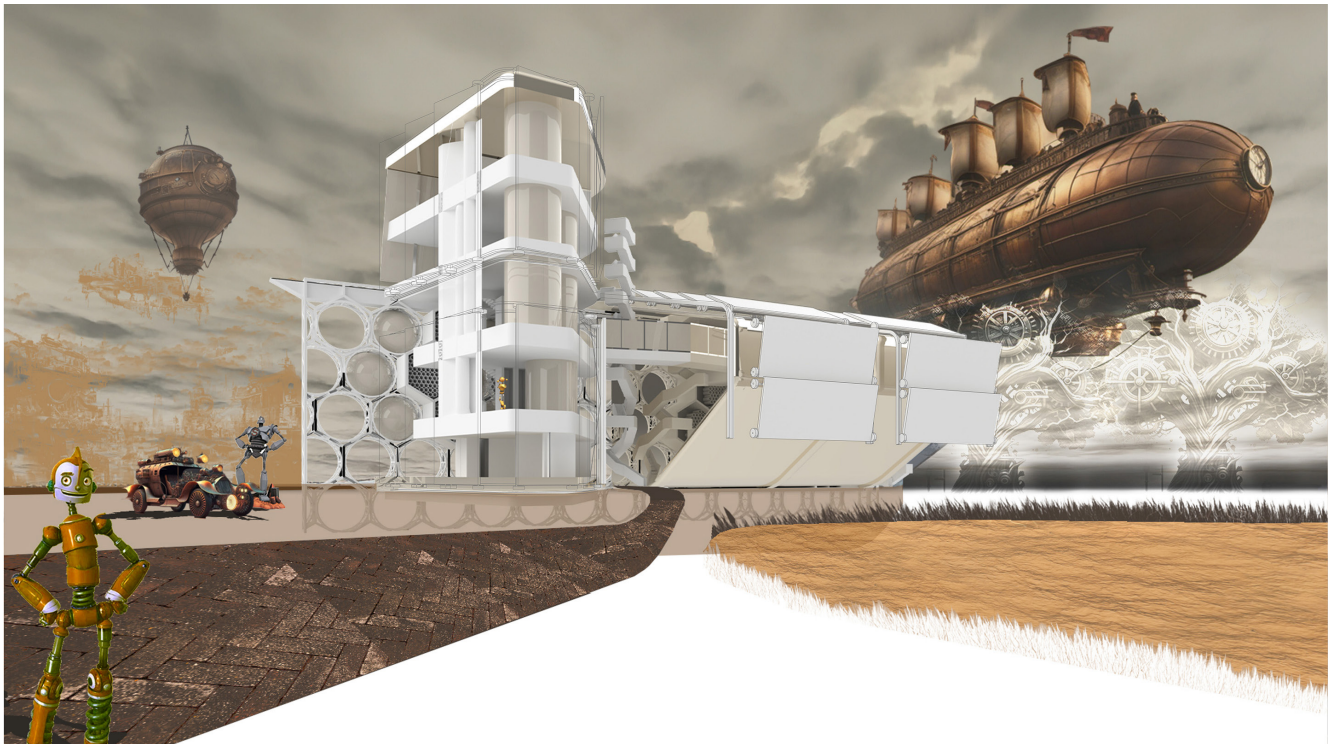
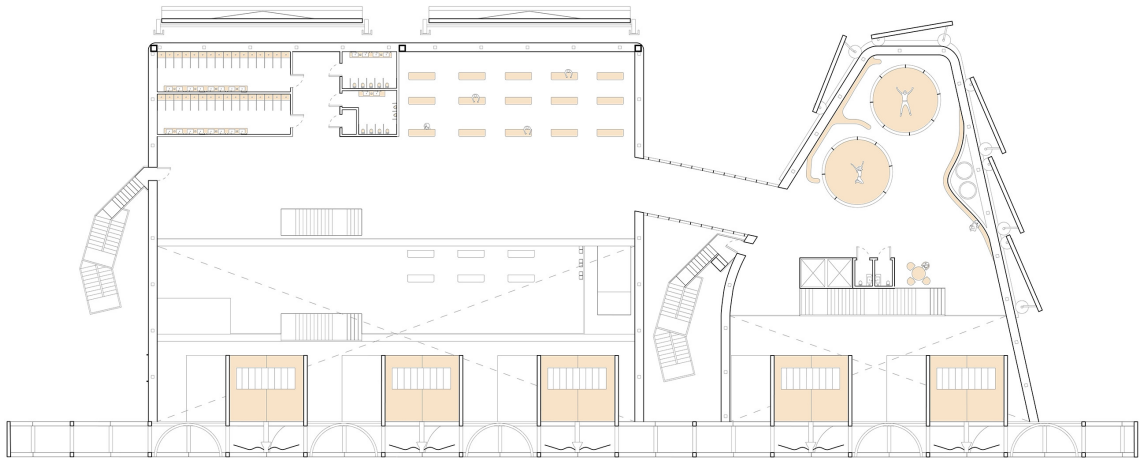


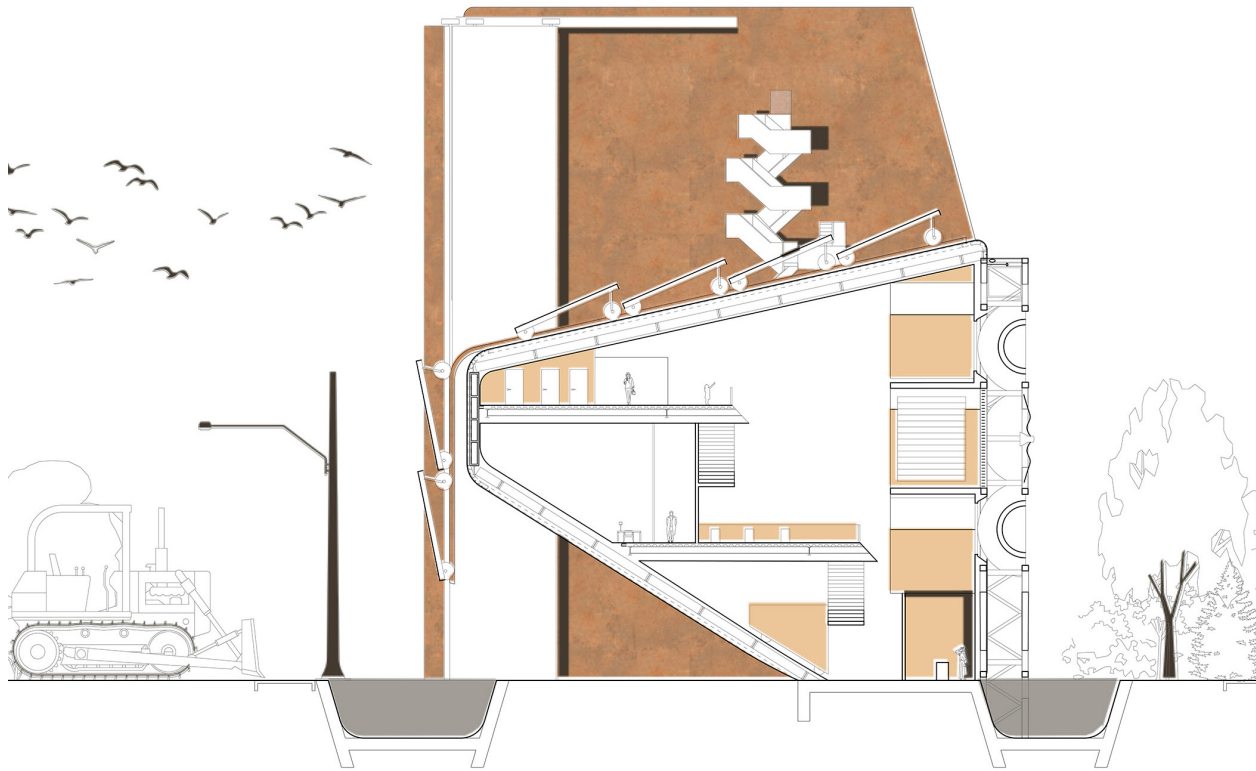
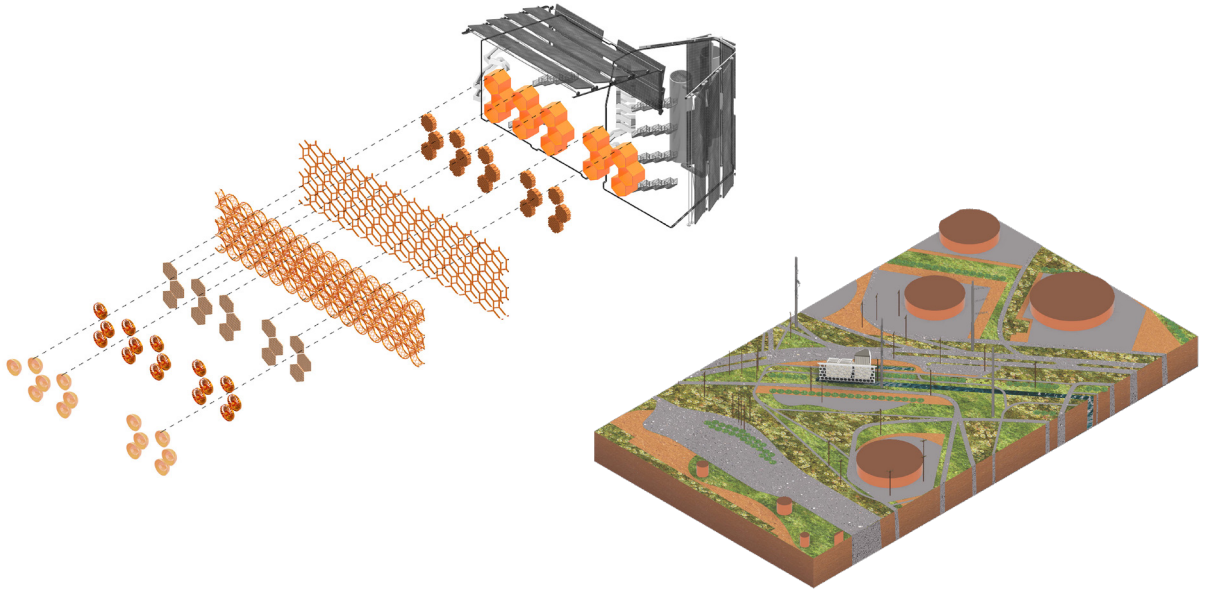


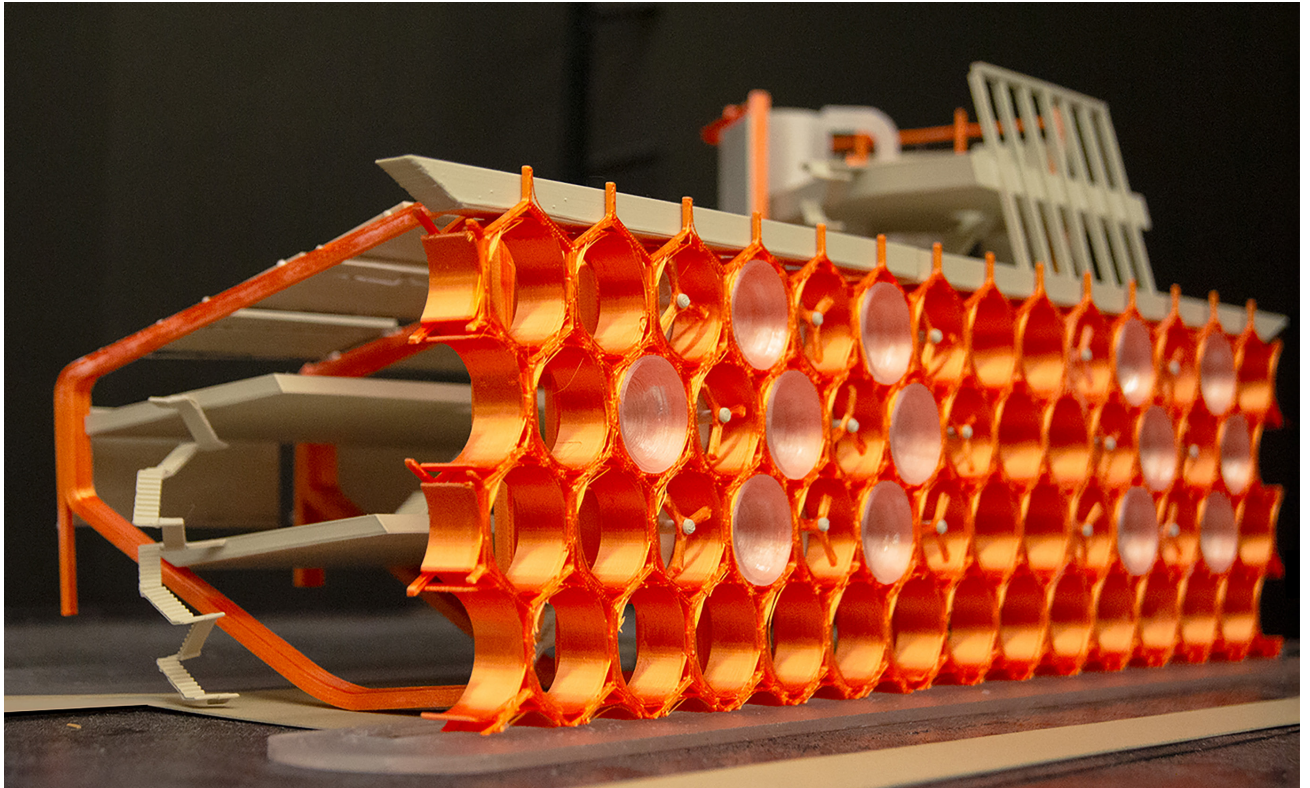


**Left:** Final Model Perspective View  
**Below:** Site Plan  
**Right Above:** Third Floor Plan  
**Above Next:** Final Model Close Up View  
**Right Below:** Exterior Perspective Drawing









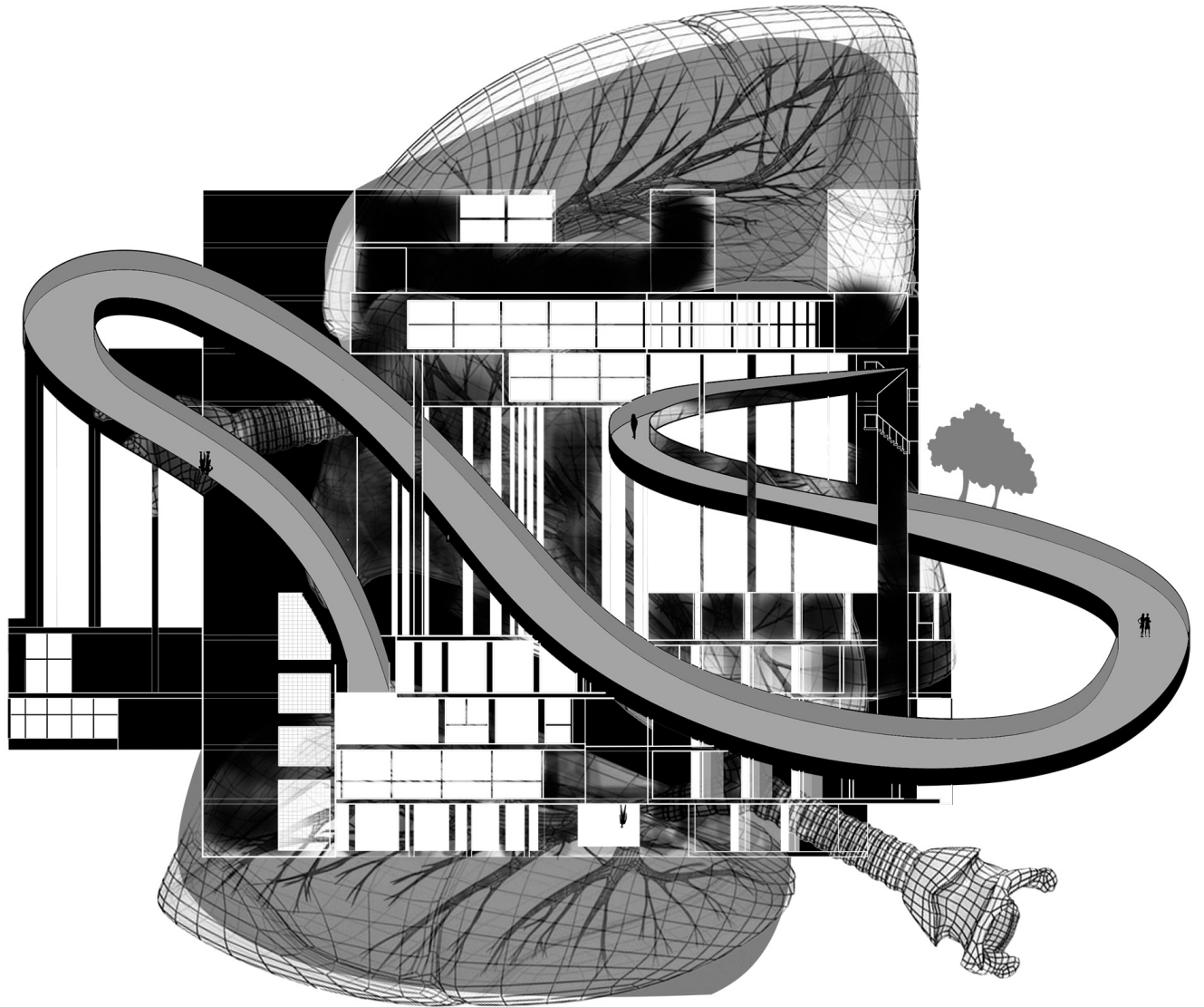
**Left Above:** Zoomed In Isometric Site Map  
**Left Next:** Exploded Isometric Layer Drawing  
**Left Below:** Section A  
**Above:** Final Model Perspective View on Site

# CLOVERLEAF

Ozan Sen - Spring 2024

Cloverleaf, inspired by Le Corbusier's Carpenter Center, creatively incorporates architectural concepts reminiscent of the iconic structure. It diverges by introducing dynamic shapes that overlap, creating a curvilinear form distinct from the Carpenter Center's rigid grid. Embracing the public, Cloverleaf features a welcoming entrance with water beds surrounding all the entrances. Upon entering the botanic garden, visitors seamlessly transition from the outside to the interior with an integrated library. The entrance showcases a captivating fusion of design elements, including a curved staircase and elevator guiding individuals through different building levels. The central gathering area, equipped with a bar, encourages collaboration and warmth. A deliberate architectural opening provides a transparent view into the kitchen, demystifying the culinary process and fostering accessibility. As visitors ascend through the building, the space transforms into offices, blending functionality with contemporary design sensibilities. Cloverleaf, with its botanical charm, dynamic configuration, and thoughtful connectivity, reflects the evolution of architectural concepts inspired by Le Corbusier's Carpenter Center.

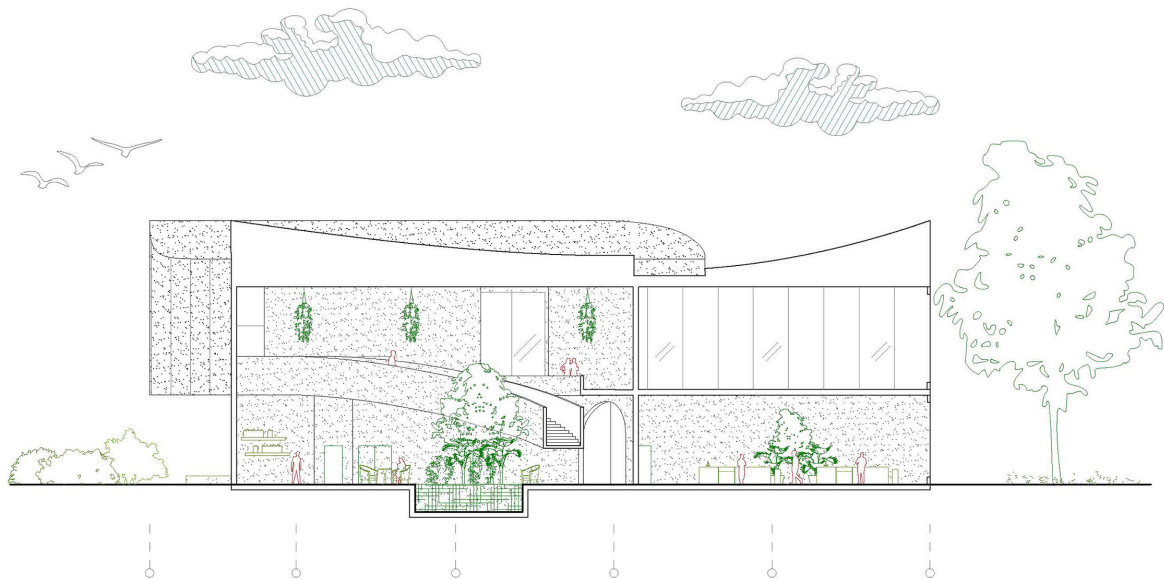




**Left Above:** Exterior perspective 01

**Left Below:** Interior perspective

**Above:** Concept Collage



**Above:** Final Model Exterior

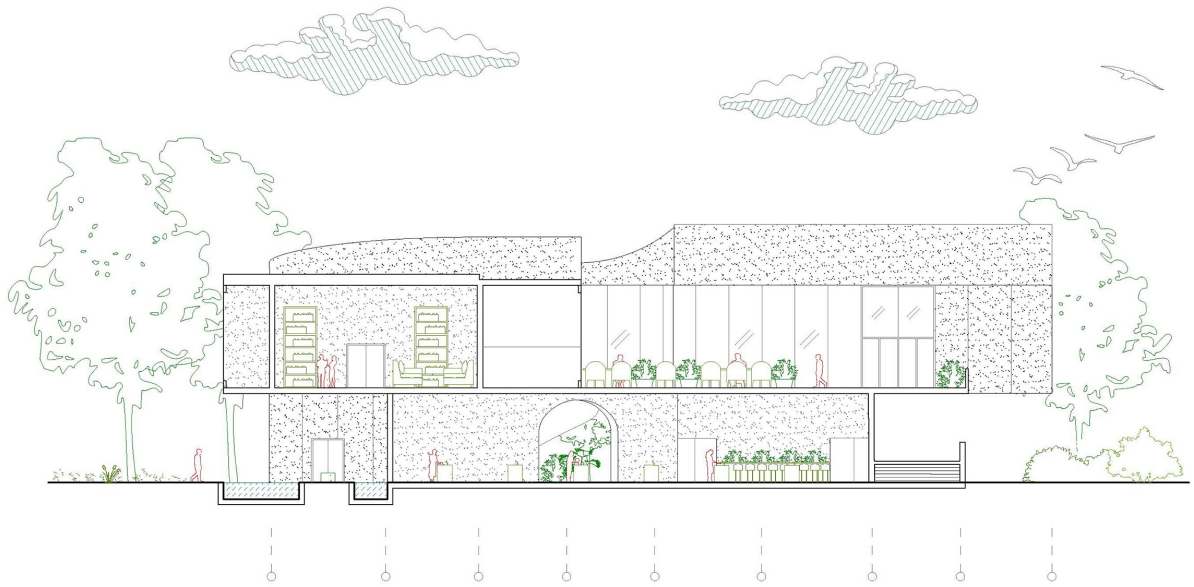
**Below:** Section A

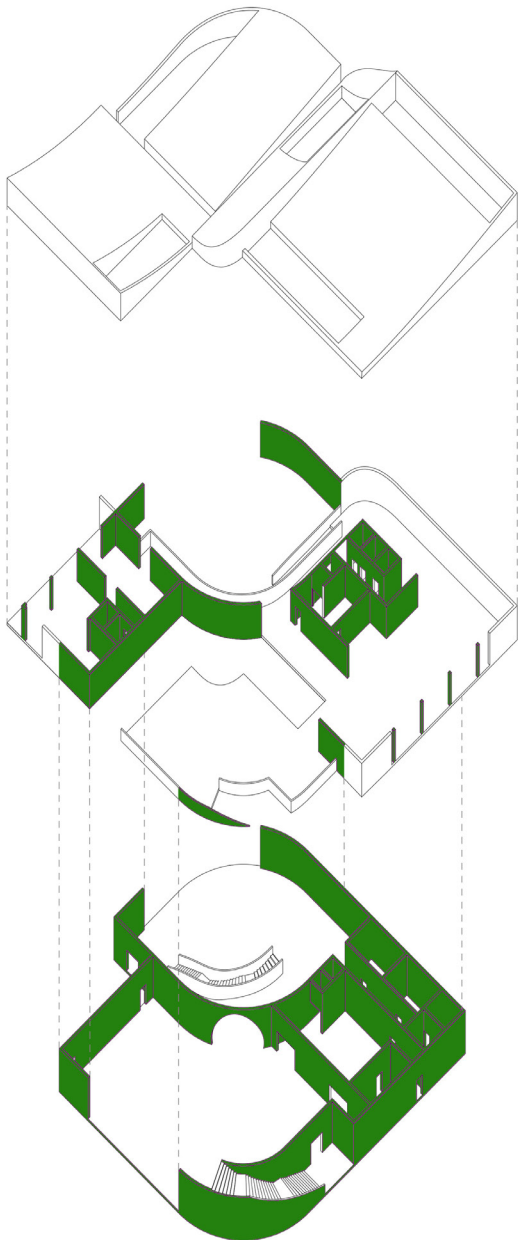
**Right Above:** Section B

**Right Below:** Final Model Exterior Close-Up

**Right Below Next:** Final Model Interior Close-Up









**Left Above:** Primary Load Exploded Axonometric

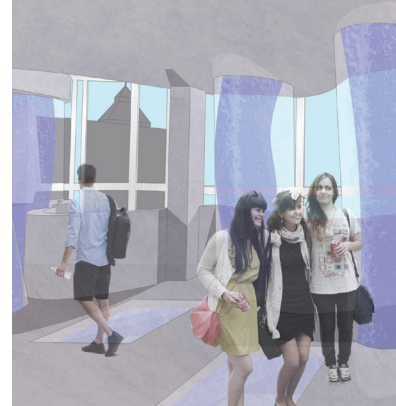
**Left Above Next:** Final Model Interior Close-Up

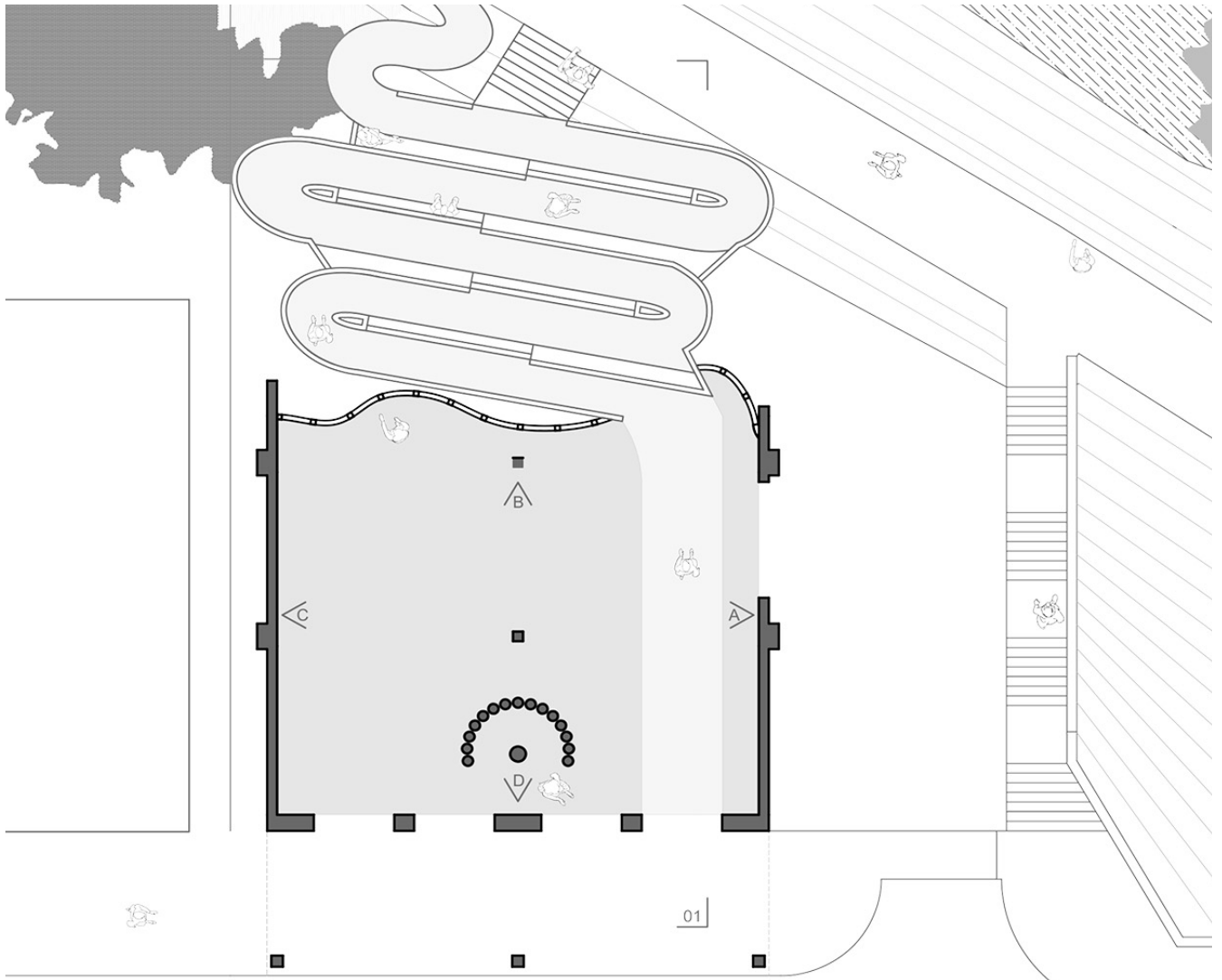
**Above:** Exterior Perspective 02

# SIPHON: Where Art Meets Science

Katie LaRose - Fall 2023

Siphon designed for 110 Milam Street is an experience where the water connects art and science into one building. The tubes that intersect the entire building, from the roof to the second floor, provide the water to interact with the whole building. The concept is to create an immersive water experience, where Houston indicates a gallery and the building is an artwork. On the fourth floor, the water starts its journey. The openings from the roof welcome water into the fourth-floor ceilings: on this floor, the water experiences different obstacles, creating an immersive experience for the public. However, these obstacles end on the third floor, where the tubes start forming branches towards the second floor. The third also includes art walls between these tubes and branches to display artwork. The branches land on the lab desks on the second floor. While providing water to individual desks, it also adds a design feature. The lab areas can be private, with the spiral staircase closing, or public, for people to interact with science.





**Left Above:** Perspective 01

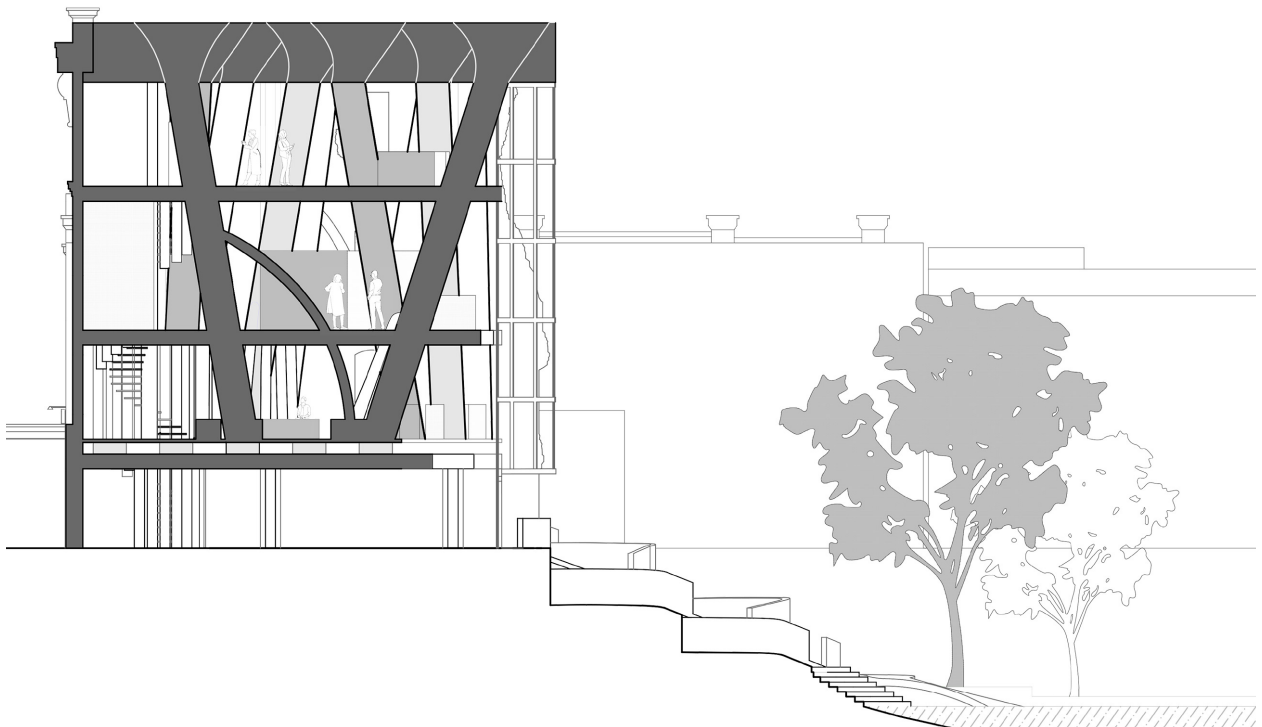
**Left Middle:** Detail Collage

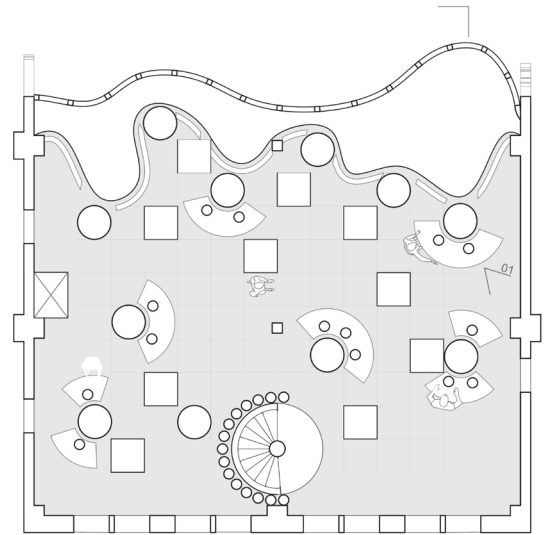
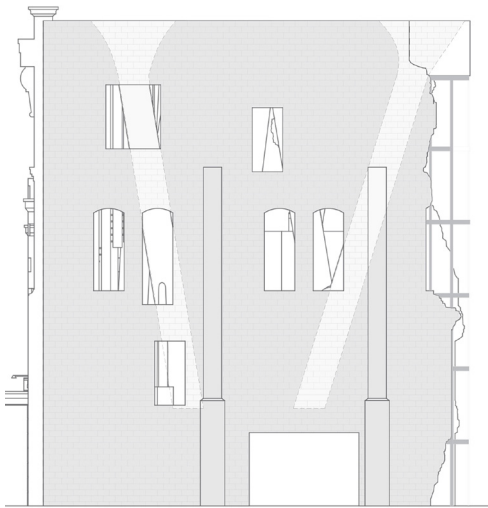
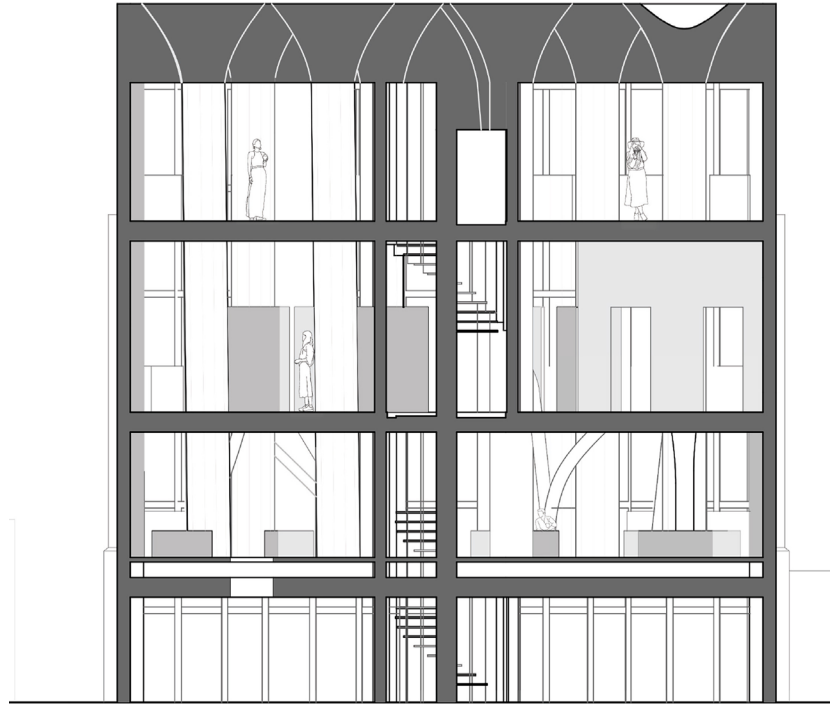
**Left Below:** Perspective 02

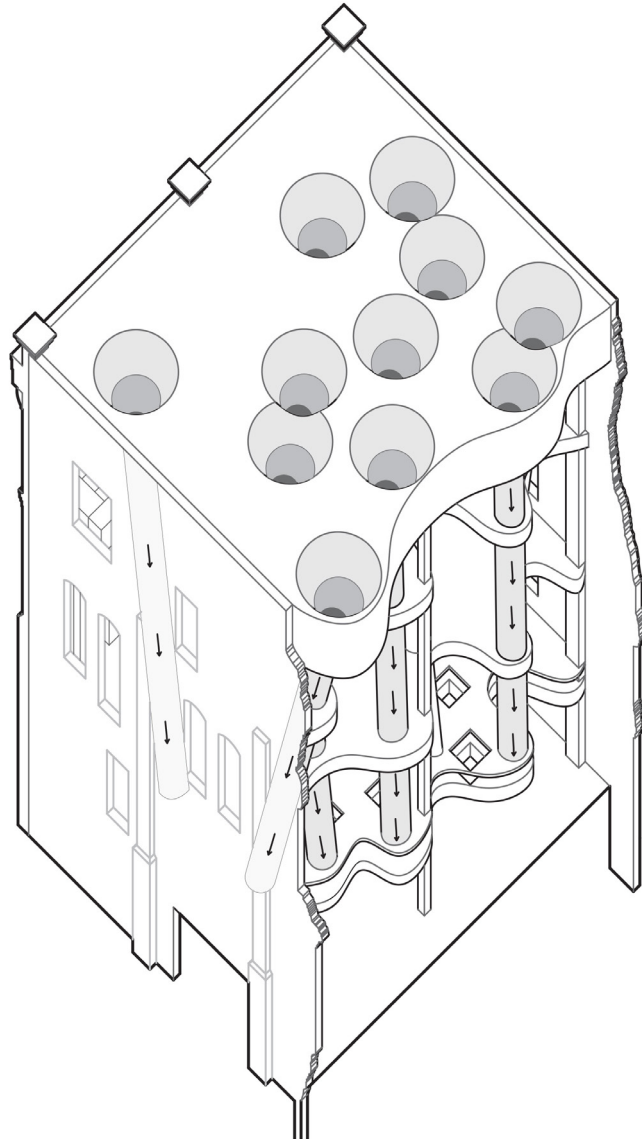
**Above:** Site Plan



**Left Above:** Final Model Level 3 Interior  
**Left Below:** Section 01  
**Right above:** Section 02  
**Right Below:** SE Elevation  
**Right Below Next:** Level 2 Floor Plan











**Left:** Axonometric  
**Right above:** Draft Model  
**Right below:** Final Model

## Awarded Artworks



**Painting of Georgia Southern University-Lake Ruby**

Painting was displayed in Congress at Washington DC for a year (2020-2021)



**Vizcaya Museum & Gardens**  
Painting was displayed in Georgia Capitol Museum (2020)