

# Miguelangel Murillo

Undergraduate Selected Works

2022-2025

## About Me

Miguelangel Murillo

A designer and architecture student, currently pursuing his Bachelor of Science in Architecture with a minor in Environmental and Sustainability Studies at the University of Texas at Arlington. His background in graphic design informs his architectural work, blending technical skill with creative vision.

## Education

The University of Texas at Arlington

College of Architecture, Planning and Public Affairs  
Bachelor of Science in Architecture / May 2025  
Minor in Environment and Sustainability Studies

## Relevant Experience

Your Signs World

Designer | Versatile role combining graphic design, fabrication, and customer service—drove sales of signage and promotional materials while designing and producing creative solutions to help businesses stand out.  
2022 - 2024

## Awards, Exhibition

2024

Fall Semester CAPPA Dean's List  
"Ring Master" People's Choice Award, uni.xyz  
"Tensegrity Blackbox" Shortlisted, uni.xyz  
"The Fabric of Life" Exhibition, UTA, Max W. Sullivan Gallery

2023

Certificate of Excellence, Construction Materials/Methods  
"From the Roots" Exhibition, UTA, Max W. Sullivan Gallery  
"Interlocked Flow" Exhibition, UTA, Max W. Sullivan Gallery

2022

Spring Semester Freshman Distinction Roll

## Technical Skills

3D & 2D Design

Revit, Rhino, Grasshopper, Sketchup, AutoCAD

3D Visualization

Lumion, D5 Render, Enscape

Post Production

Photoshop, Illustrator, Lightroom, InDesign, Premier Pro

AI Programs

Midjourney, PromeAI, Runway

## Languages

English (Fluent), Spanish (Fluent)

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A system of follies

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# 01 The Fabric of Life

2025 World Expo | Oman Pavilion

Site: Osaka, Japan

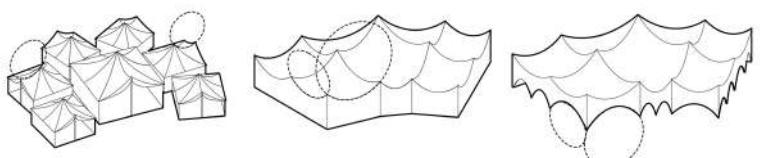
Professors Carlos Alba, Eduardo Castaneda, and Jason Wheeler

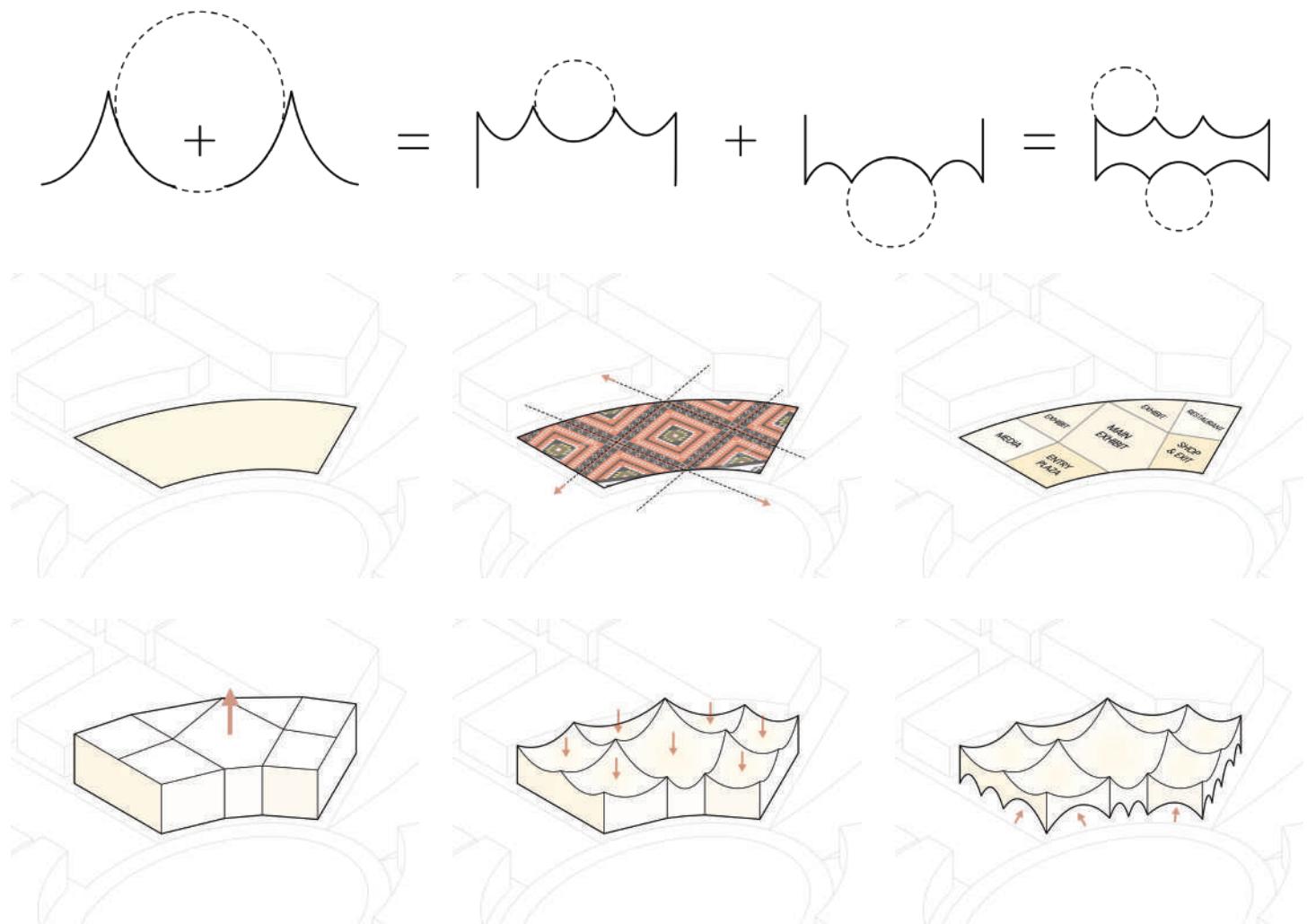
Year 3 Design Studio, Spring 2024

Collaboration with Haley Degidio

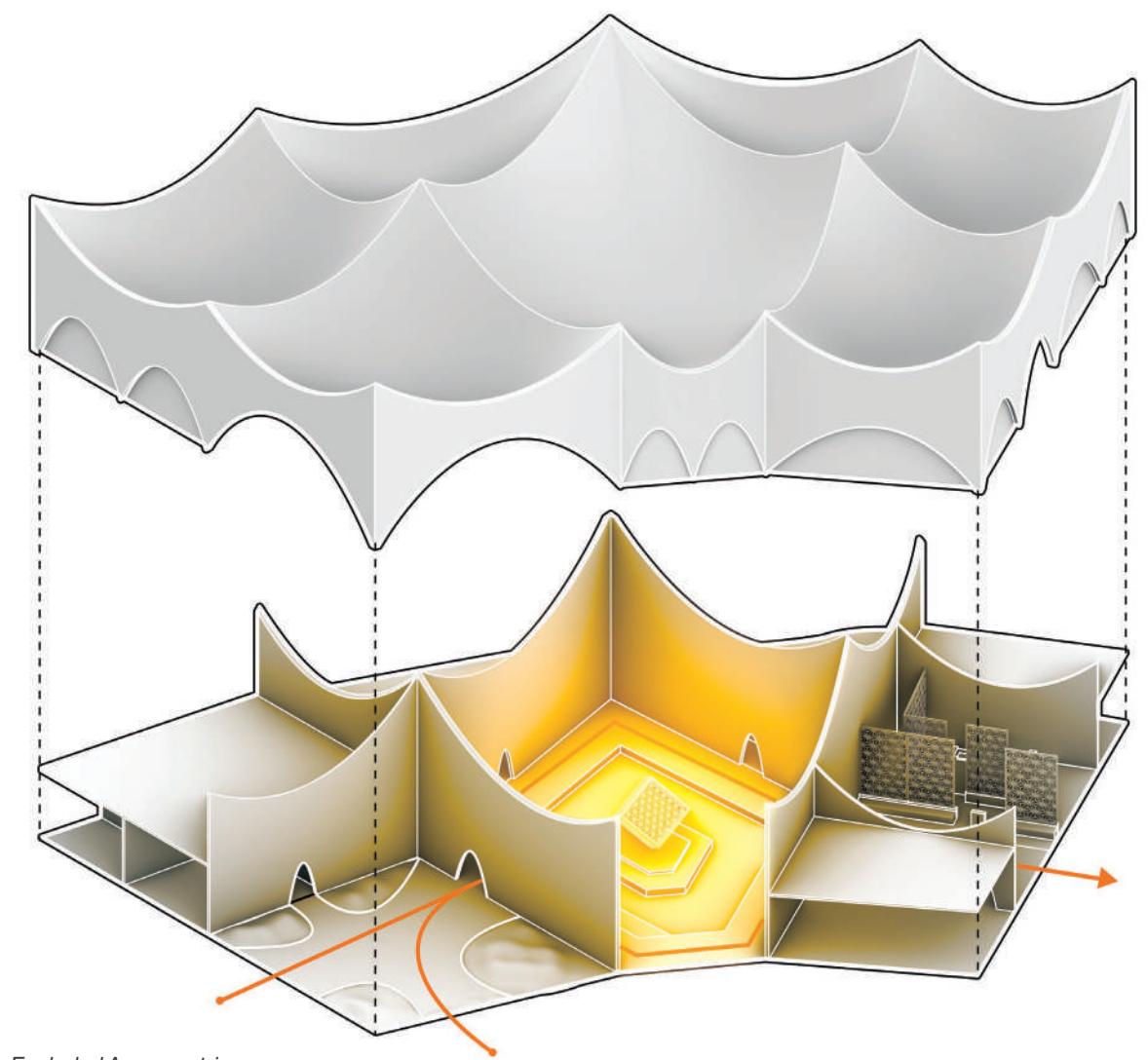
Inspired by Bedouin hospitality and its deep-rooted sense of community, the Fabric of Life Pavilion transforms into a vibrant social oasis, embodying the essence of the Bedouin way of life in Oman's desert. This space celebrates warmth, connection, and tradition, offering visitors an immersive experience of Bedouin culture.

By examining fabric both literally and metaphorically, we extract the prominent diamond patterns found in traditional Bedouin textiles and use them to shape spaces that reflect the fabric of Bedouin life. Additionally, the pavilion reinterprets the form of the Bedouin shelter, incorporating tent-like peaks and undulating roofs to evoke the familiar language of a tent, both inside and out.

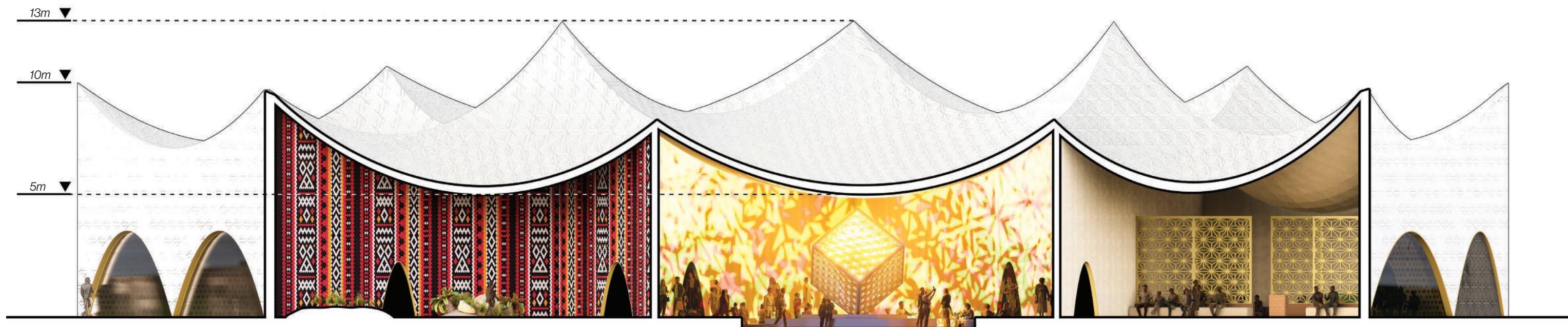


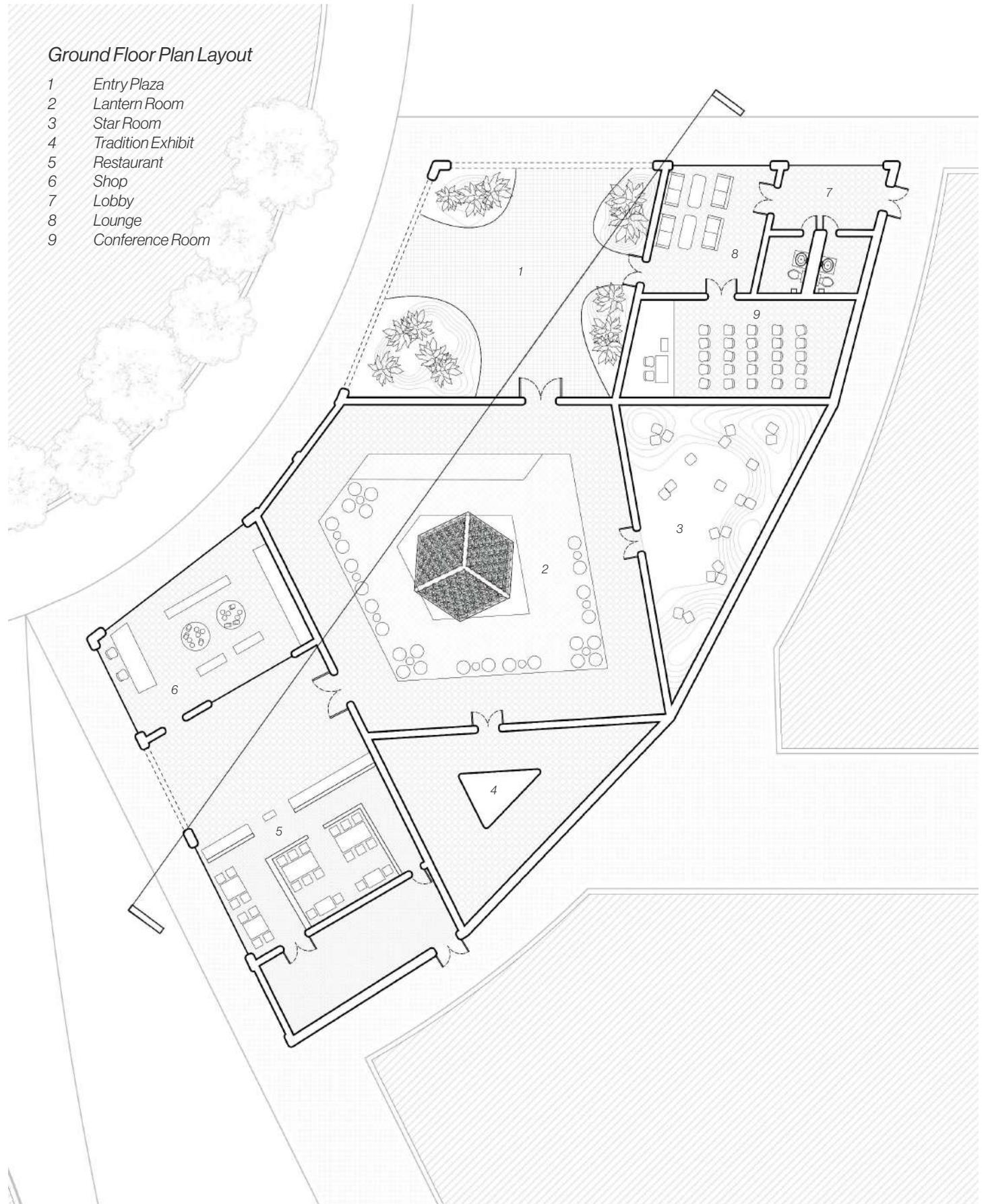


Tent Profile Analysis + Concept Diagram



Exploded Axonometric



**Lantern Room**

Inspired by the tradition of gathering around a fire, this space serves as the heart of a Bedouin tent, with vibrant patterns from traditional fabrics creating a warm, welcoming atmosphere that encourages connection.

**Star Room**

This space recreates a desert night under a starry sky, with an undulating, dune-like floor forming natural seating areas, evoking the feeling of resting on a rug in the open desert.

**Tradition Room**

Media walls in this space immerse visitors in Bedouin daily life, vividly showcasing their rich culture and traditions.



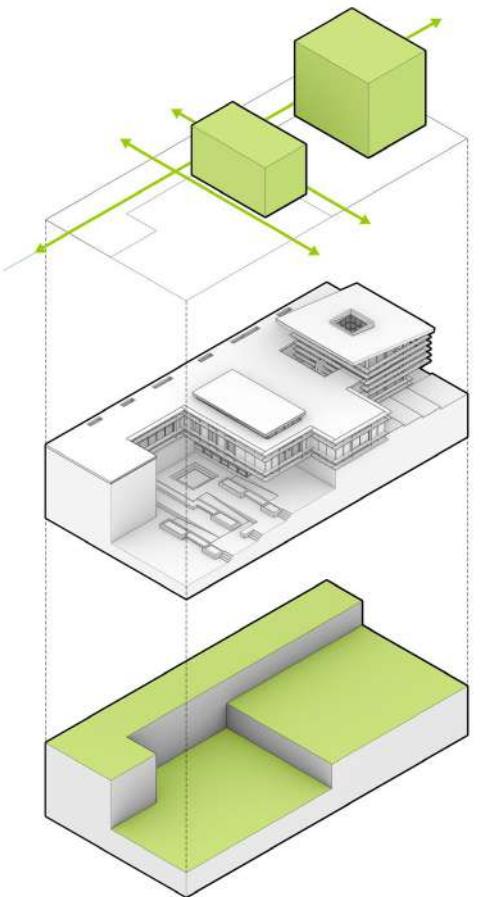
## 02 From The Roots

### Educational Research Facility

Site: Geometric Mass  
Professor Dustin Wheat  
Year 3 Design Studio, Fall 2023

The educational research facility serves as a crossroads between plant life research and education, seamlessly integrating laboratory spaces, classrooms, and a multi-level biome. Designed as a harmonious blend of nature and learning, the facility provides an immersive experience where research and education coexist.

The entry plaza is intentionally eroded, creating a sculpted landscape that enhances accessibility through a circulation system interwoven with green planting spaces. This design choice not only symbolizes the facility's purpose but also sets the tone for the research and discovery that unfold within its walls.

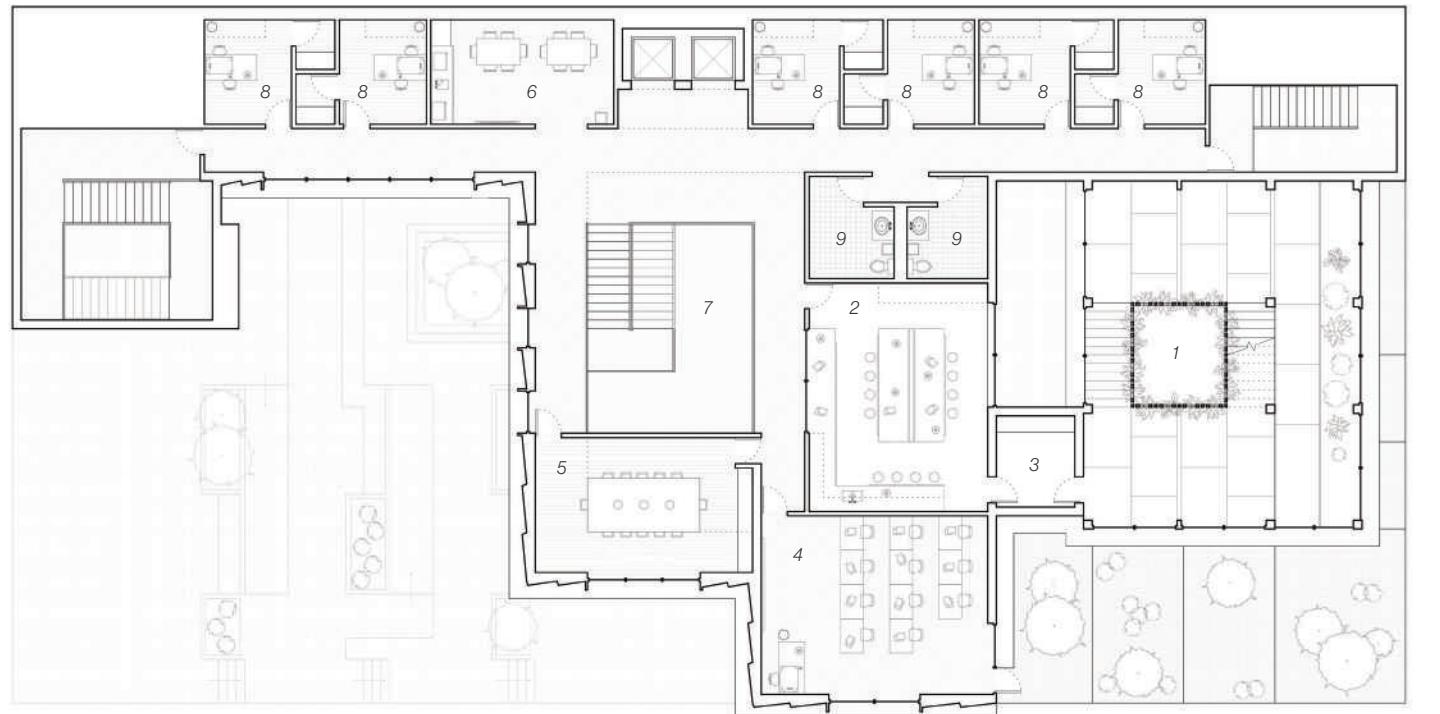


Zones + Circulation

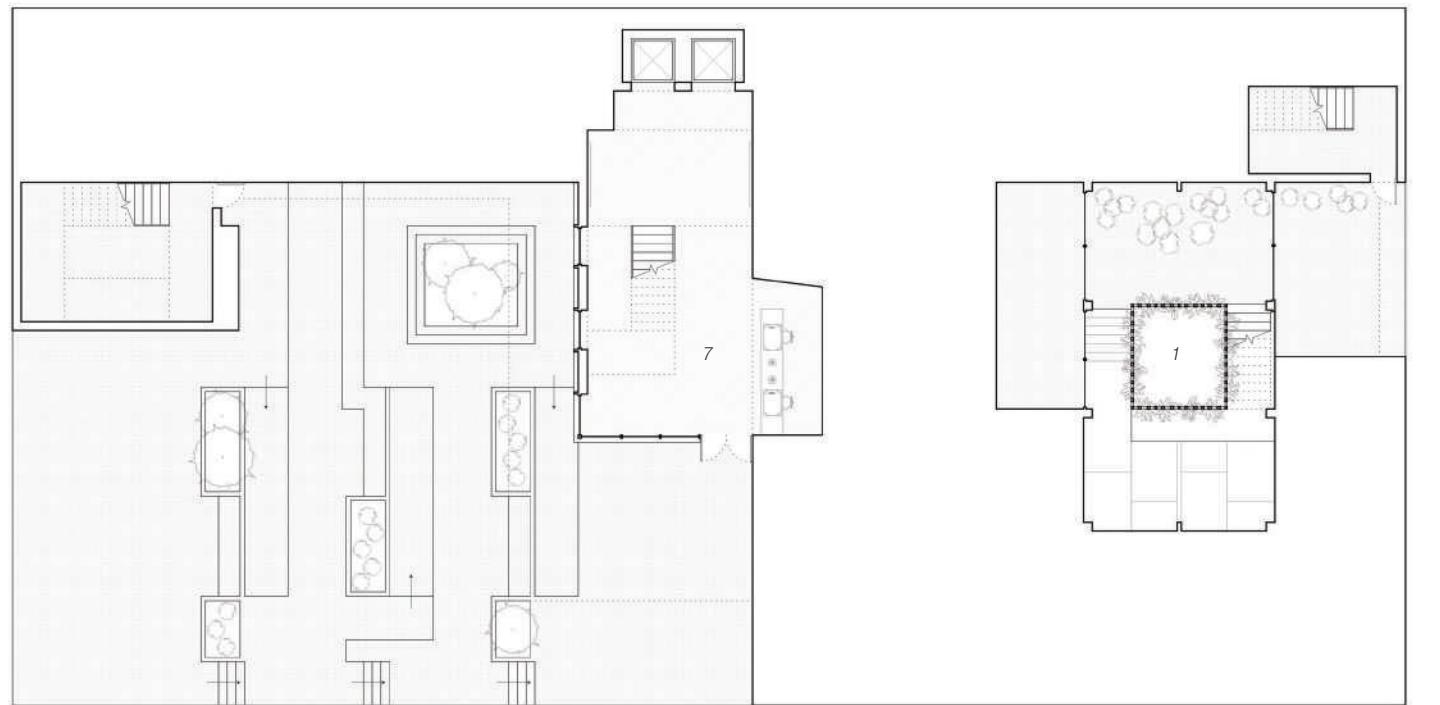
From the Roots

Site





Level One Floor Plan

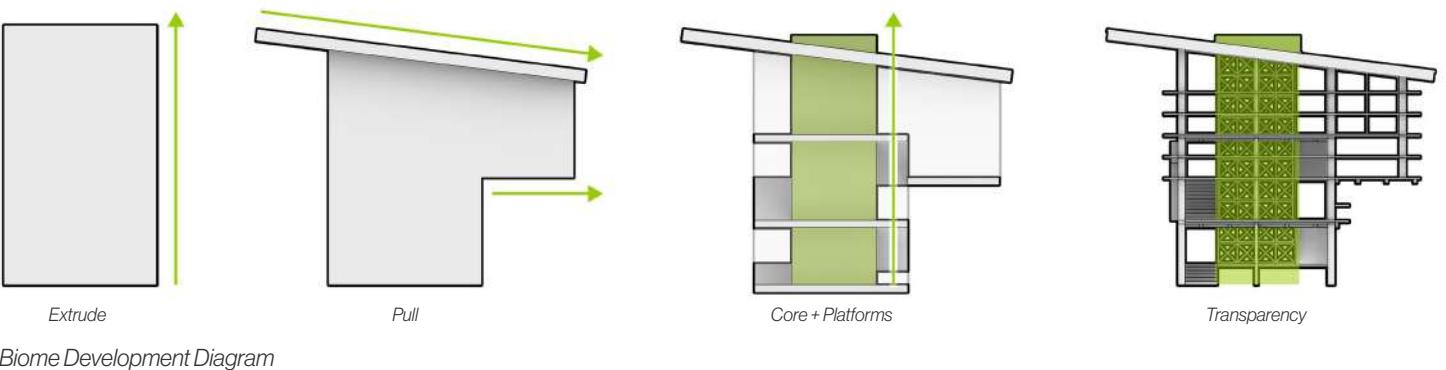


Ground Floor Plan

### Efficient Design Approach

Research areas near the biome ensure easy access, while opposite workspaces provide focused zones, enhancing collaboration and efficiency.

1	Biome	4	Classroom	7	Reception
2	Laboratory	5	Conference	8	Office
3	Airlock	6	Break Room	9	Restrooms



Biome Development Diagram



### Vertical Garden Research

The multi-layered biome is designed to support diverse plants by strategically varying light levels; decreasing light as researchers descend creates optimal conditions. This controlled environment is vital for plant research, simulating precise conditions to study growth, adaptation, and ecological interactions.



Moss

Thrives in low light, ideal for photosynthesis and moisture retention research.



Aroid Palm

Tolerates low light and is used for drought tolerance and air purification research.



Spider Plant

Favors moderate light and is often used for air quality research development.



Tomato Plant

Needs moderate to high light to fruit and is used in genetic and developmental studies.

Thale Cress

Needs high light for best growth and is widely used in genetic research.



## 03 Interlocked Flow

### Tower Study

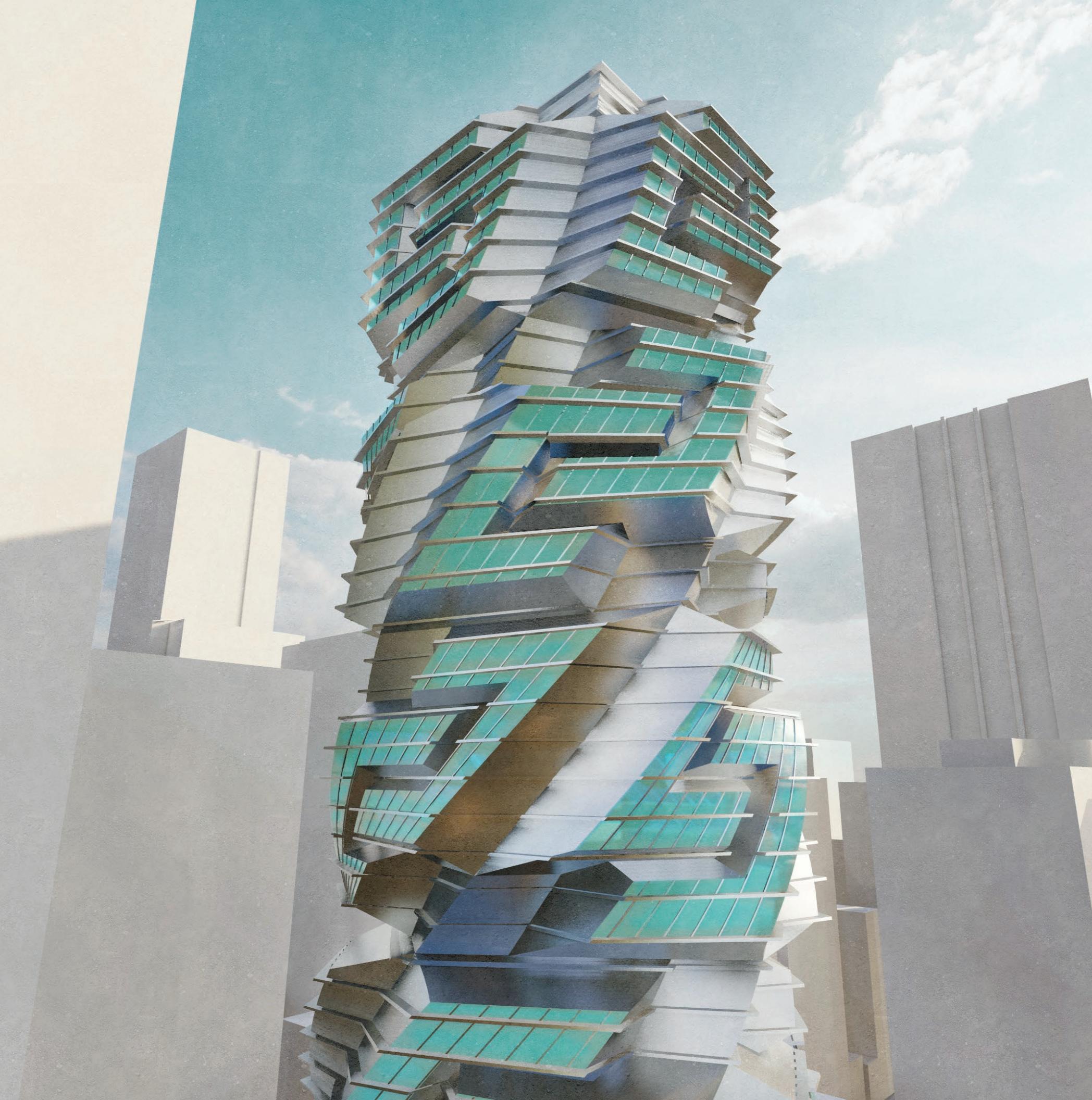
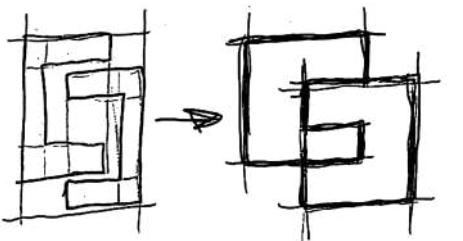
Site: Chicago, Illinois, USA

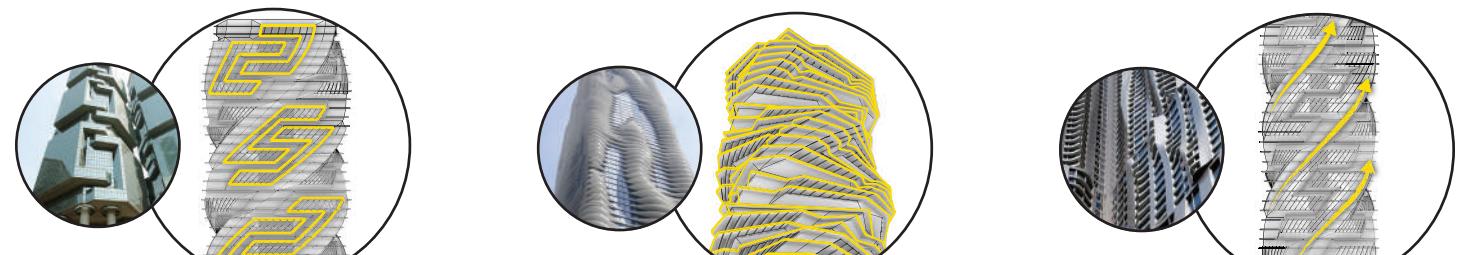
Professor Jason Wheeler

Year 3 Computer Graphics, Fall 2023

This study extracts the core gestural concepts from three precedent towers and merges them into a single cohesive composition. With a singular design, the workflow shifts to Grasshopper, where a script is developed to parametrically recreate the newly composed tower design.

With the final script in place, 12 rapid design iterations were created, leveraging Grasshopper's capabilities to explore variations in form and composition. This process allowed for an in-depth analysis of structural possibilities, ultimately refining the design through an iterative and data-driven approach.

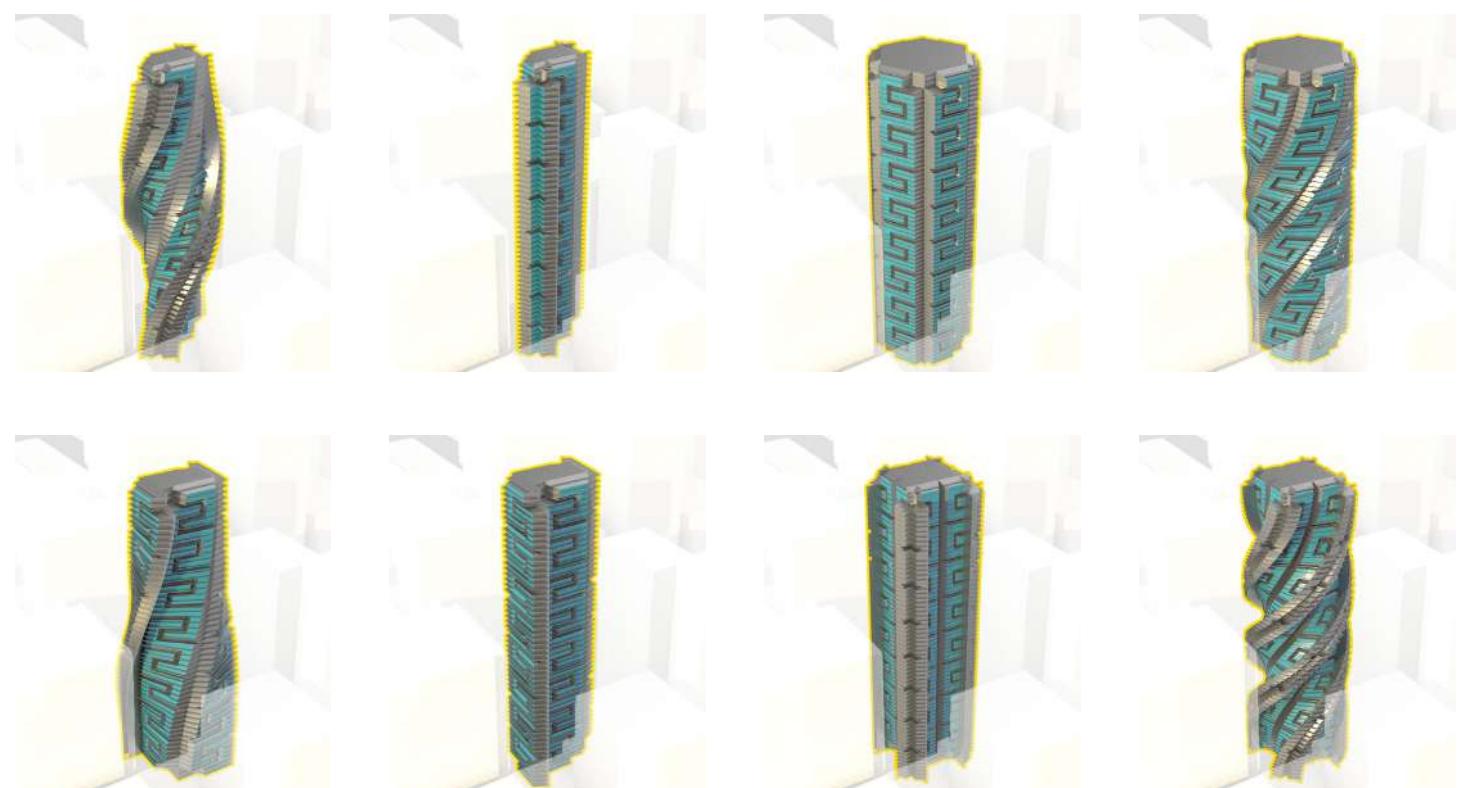
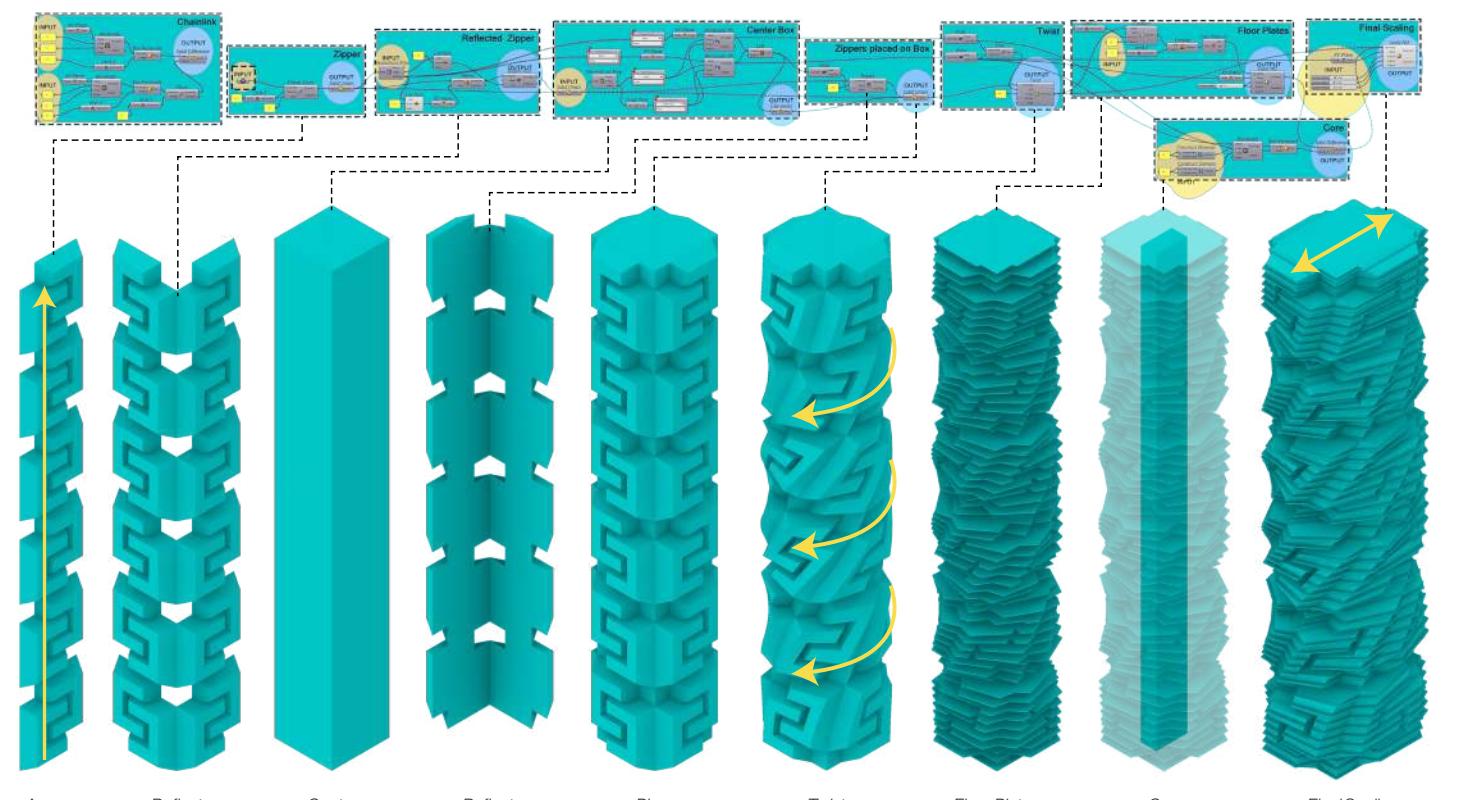




Lippo Centre | Interlocking

Aqua Tower | Overlapping

8 Spruce | Flowing



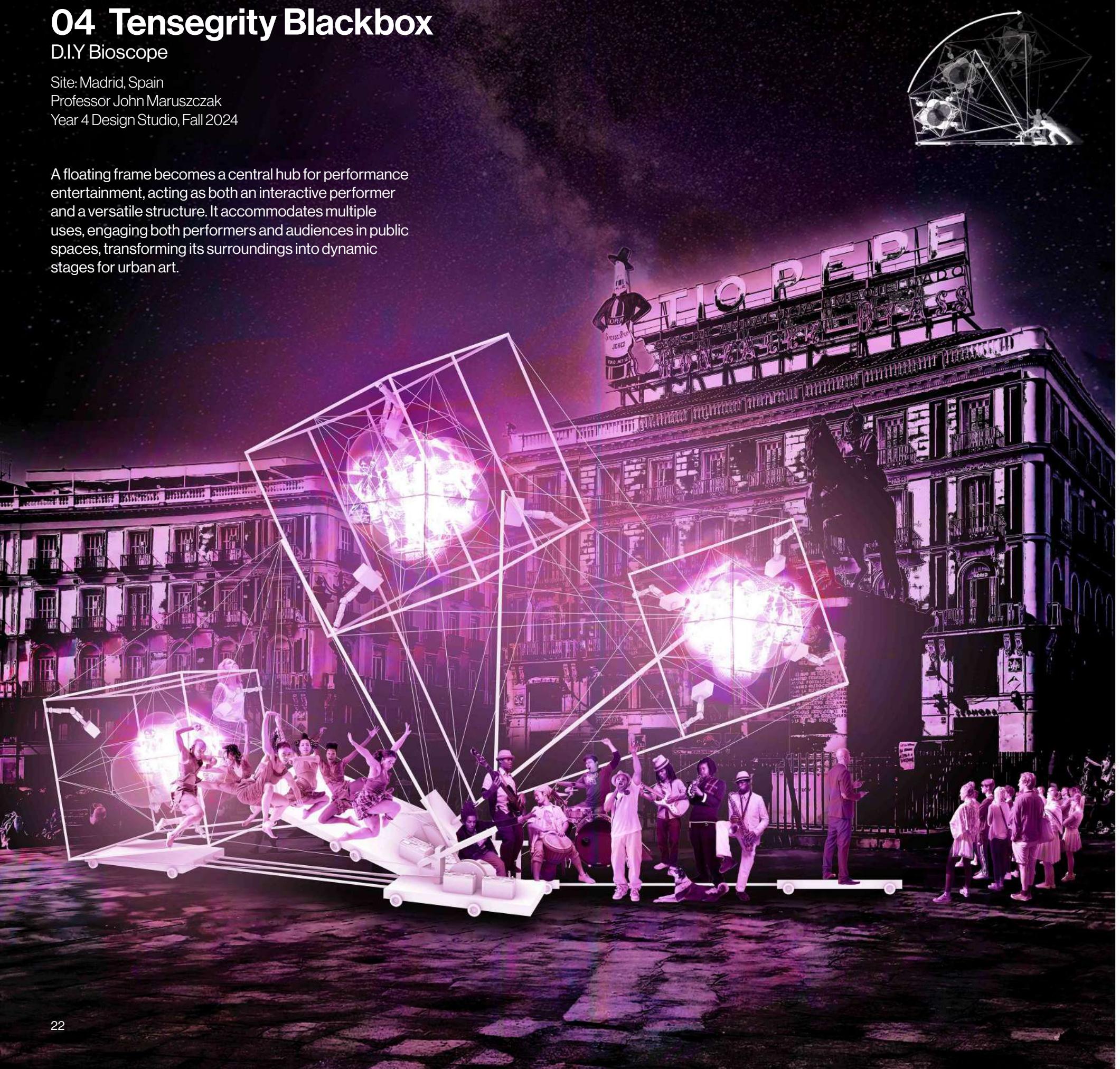
Rapid Design Iterations

# 04 Tensegrity Blackbox

D.I.Y Bioscope

Site: Madrid, Spain  
Professor John Maruszczak  
Year 4 Design Studio, Fall 2024

A floating frame becomes a central hub for performance entertainment, acting as both an interactive performer and a versatile structure. It accommodates multiple uses, engaging both performers and audiences in public spaces, transforming its surroundings into dynamic stages for urban art.



Assembly Axonometric

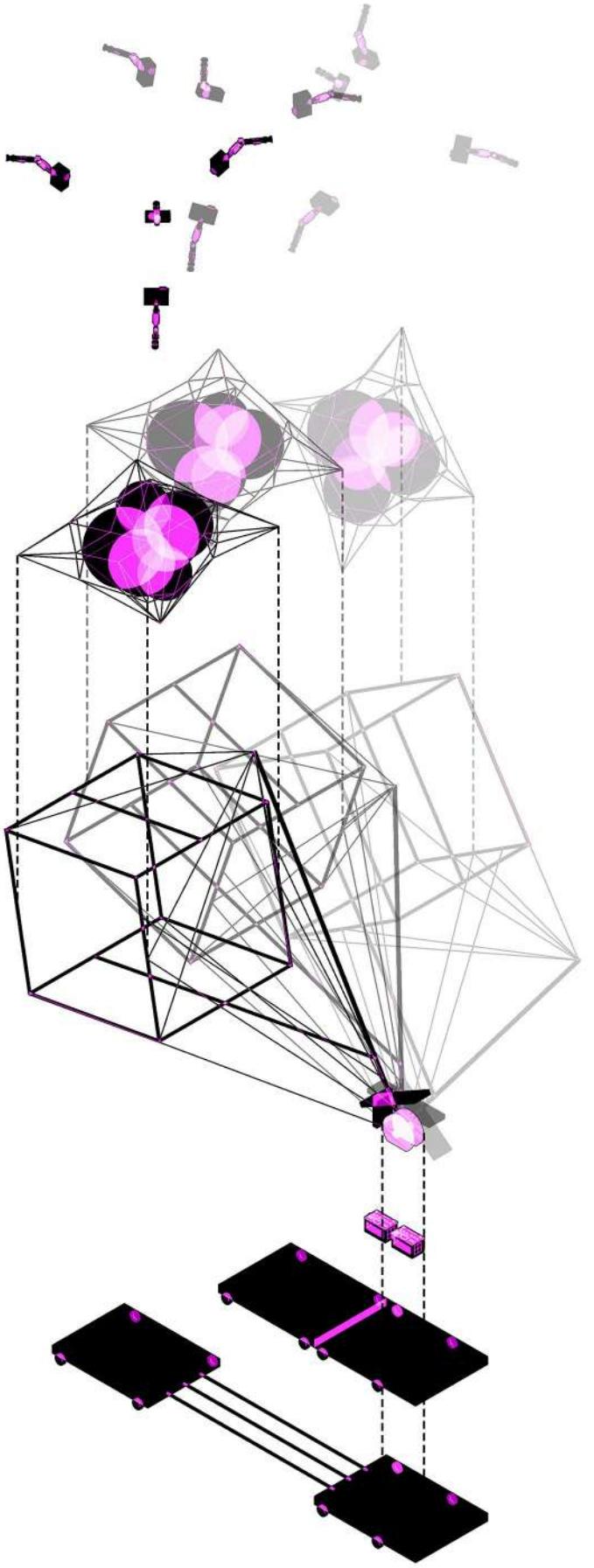
Projectors & Sound

Inflatables & String

Structural Frame & Tensioned Cable

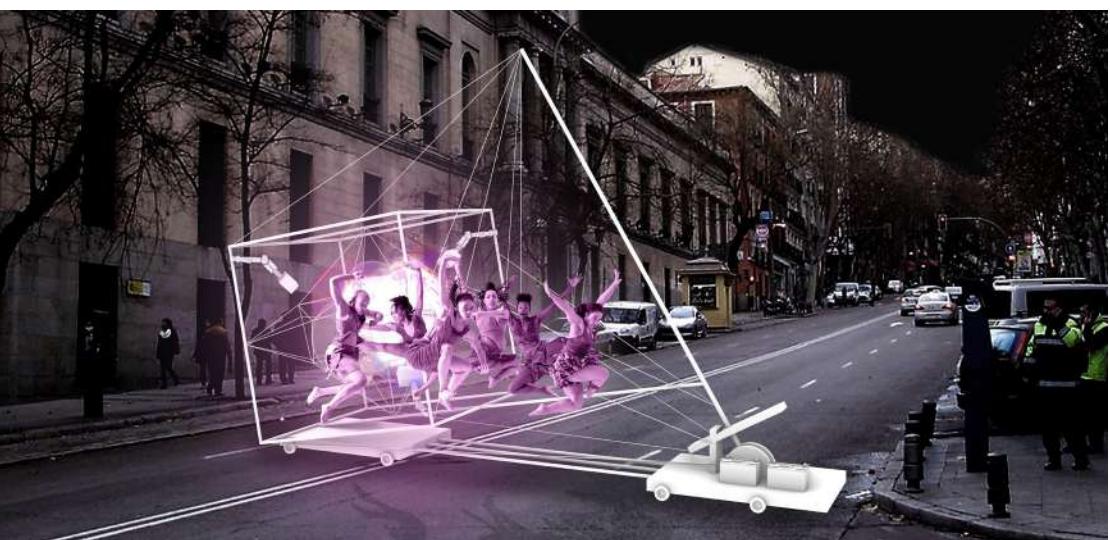
Hinge Joint & Battery

Platform System

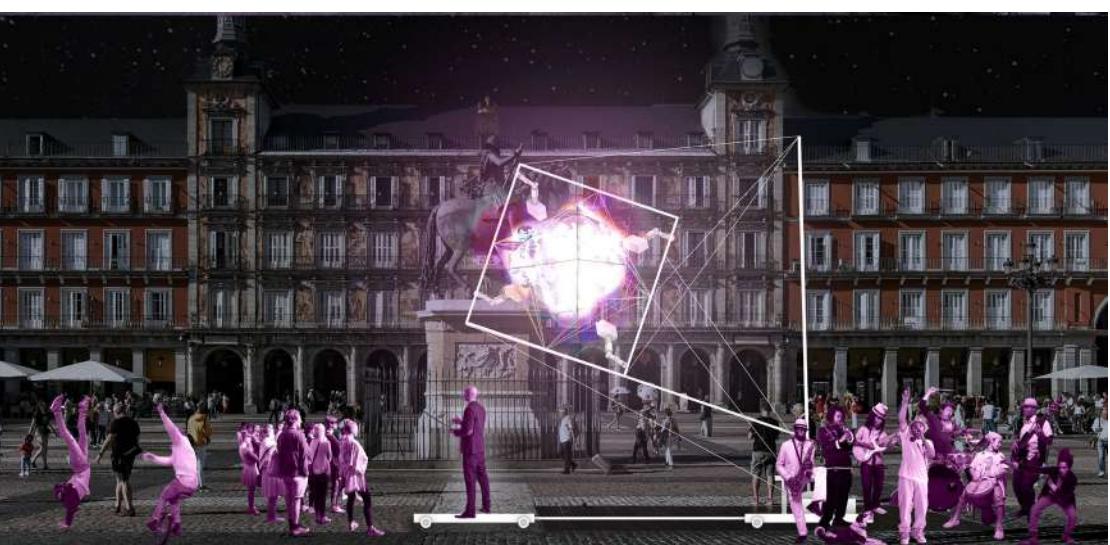




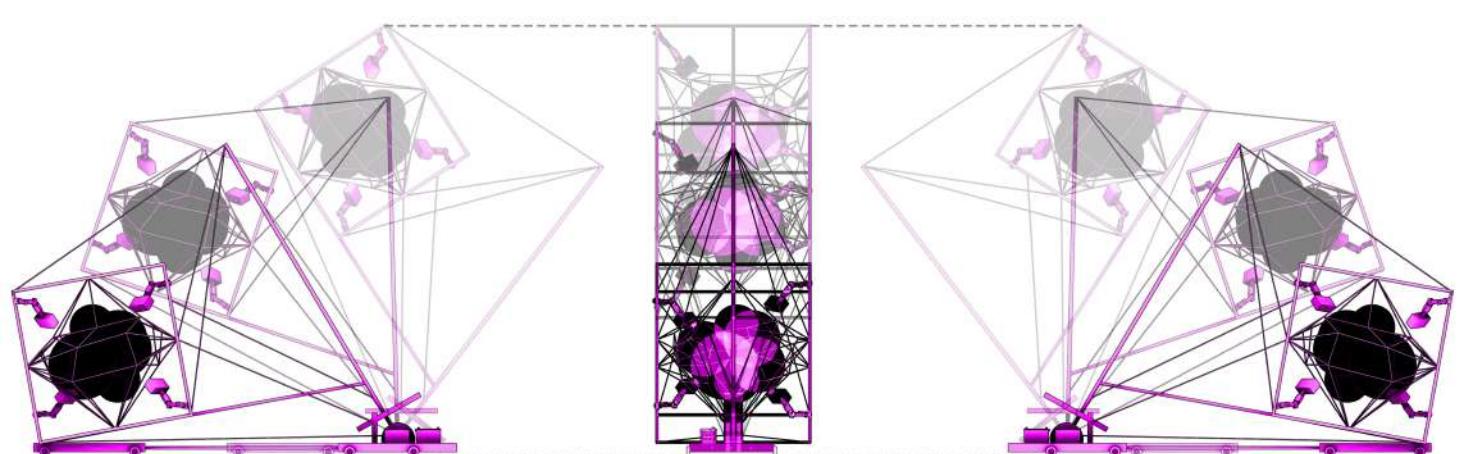
Ideogram Render



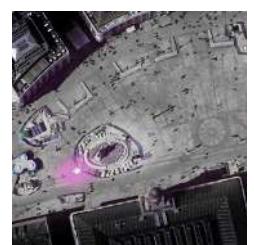
**Pop-Up Roadblock**  
Quickly deploys onto streets, forcing a connection between performers and the public.



**Point of Interest**  
Offers an urban art performance hub in a popular tourist destination.



Morphing Elevations



**Wayfinder**  
Guides tourists and locals to nearby performance hubs.

# 05 Ring Master

## Highway Intervention

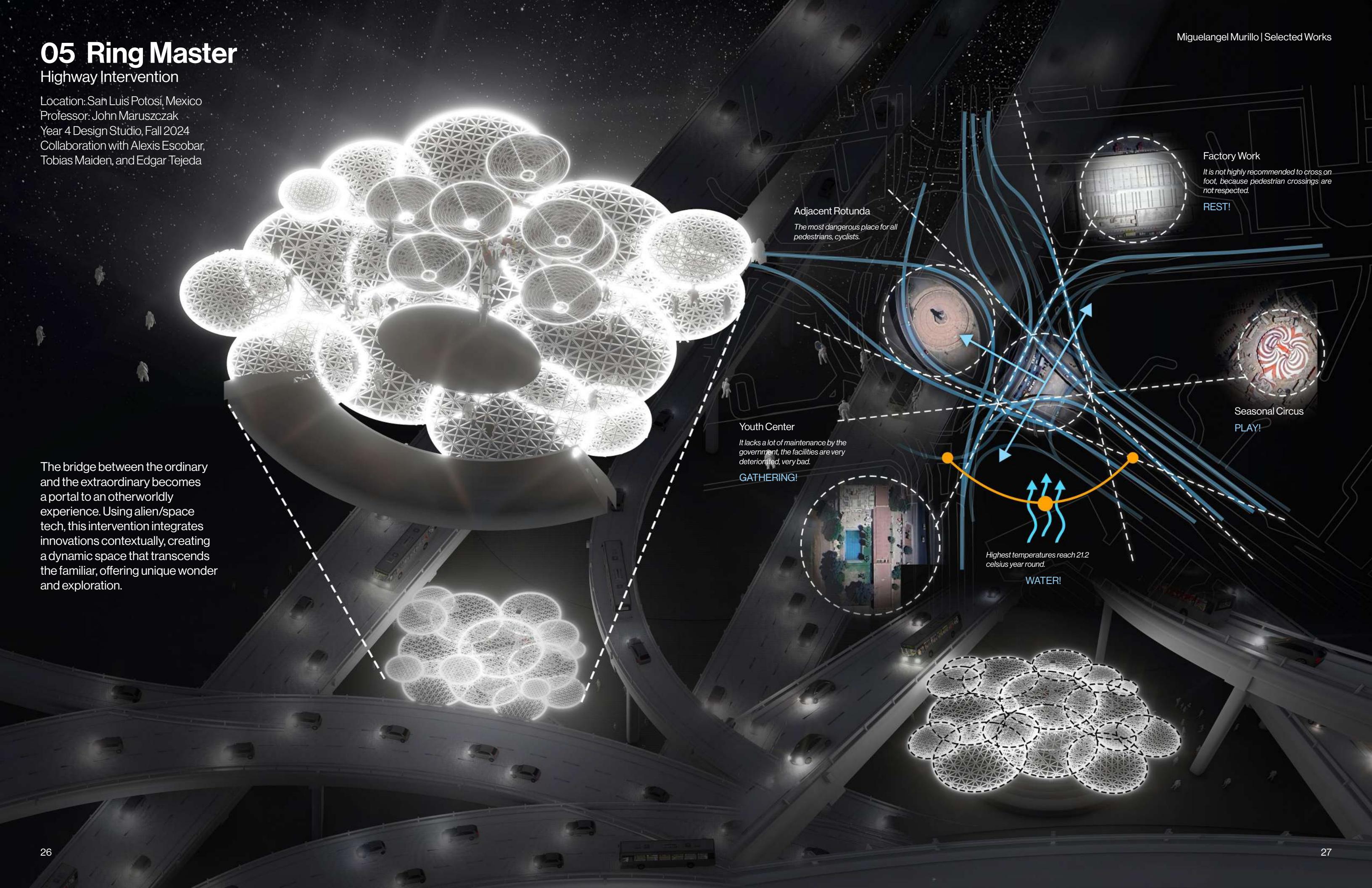
Location: San Luis Potosi, Mexico

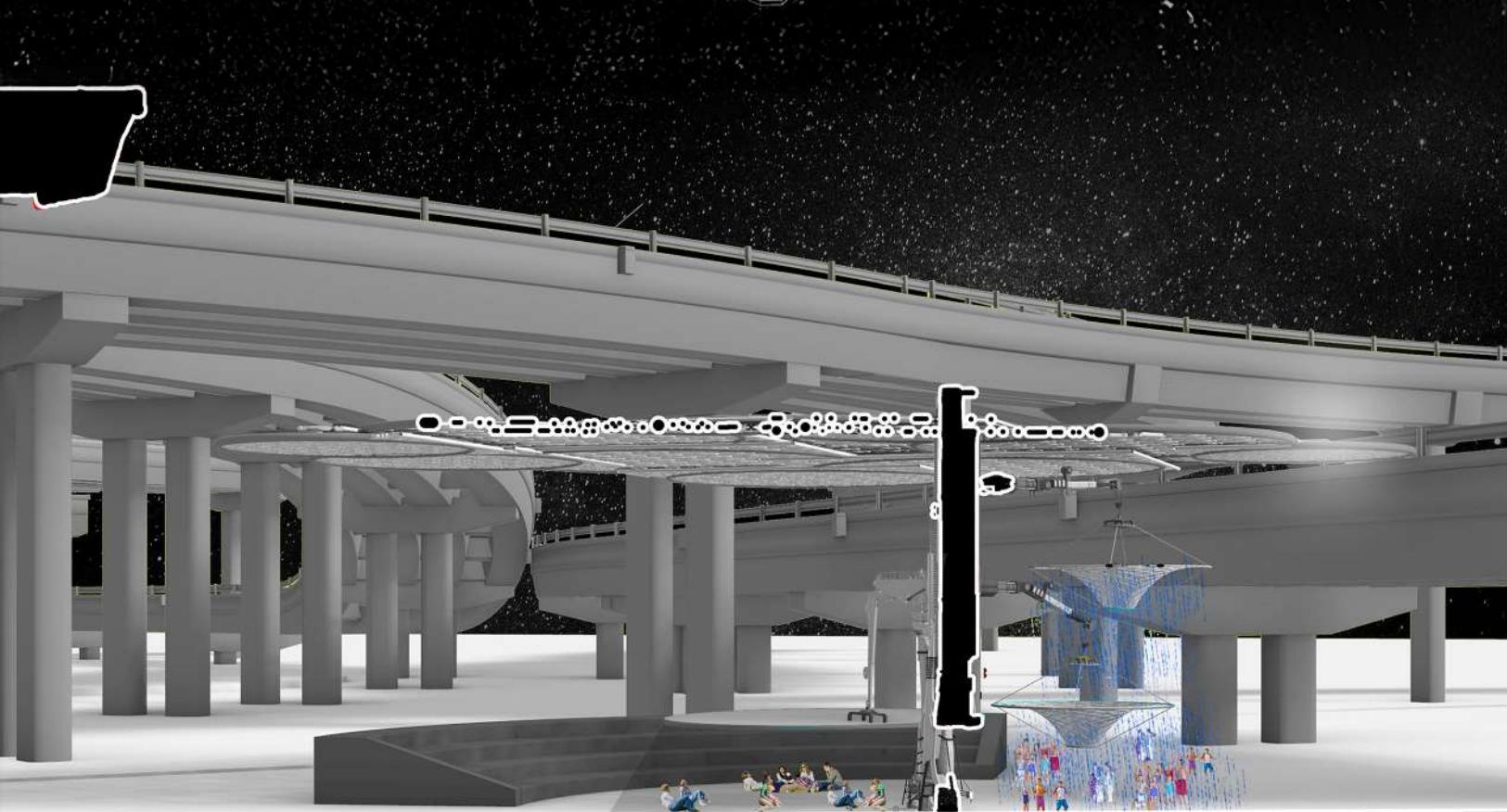
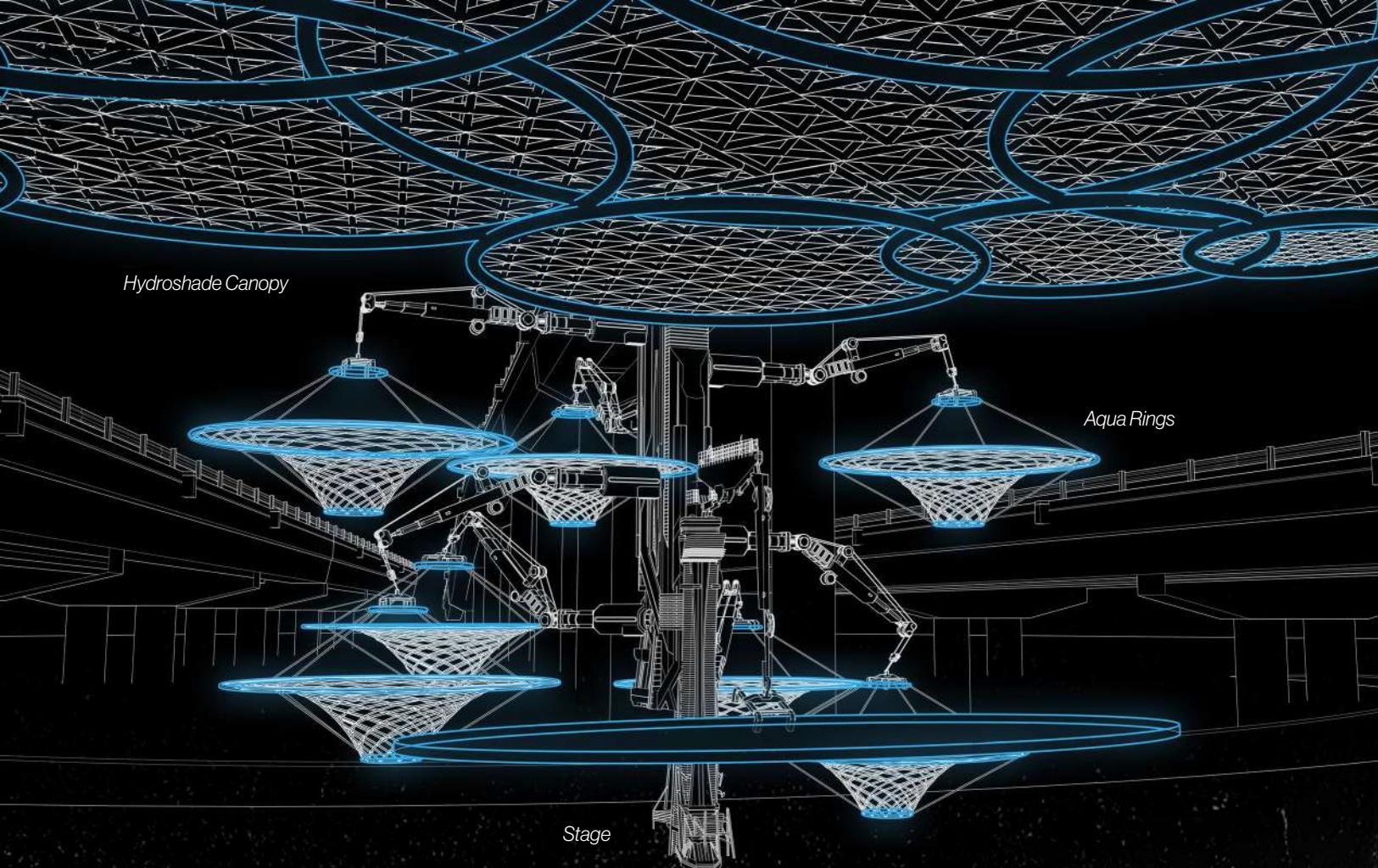
Professor: John Maruszczak

Year 4 Design Studio, Fall 2024

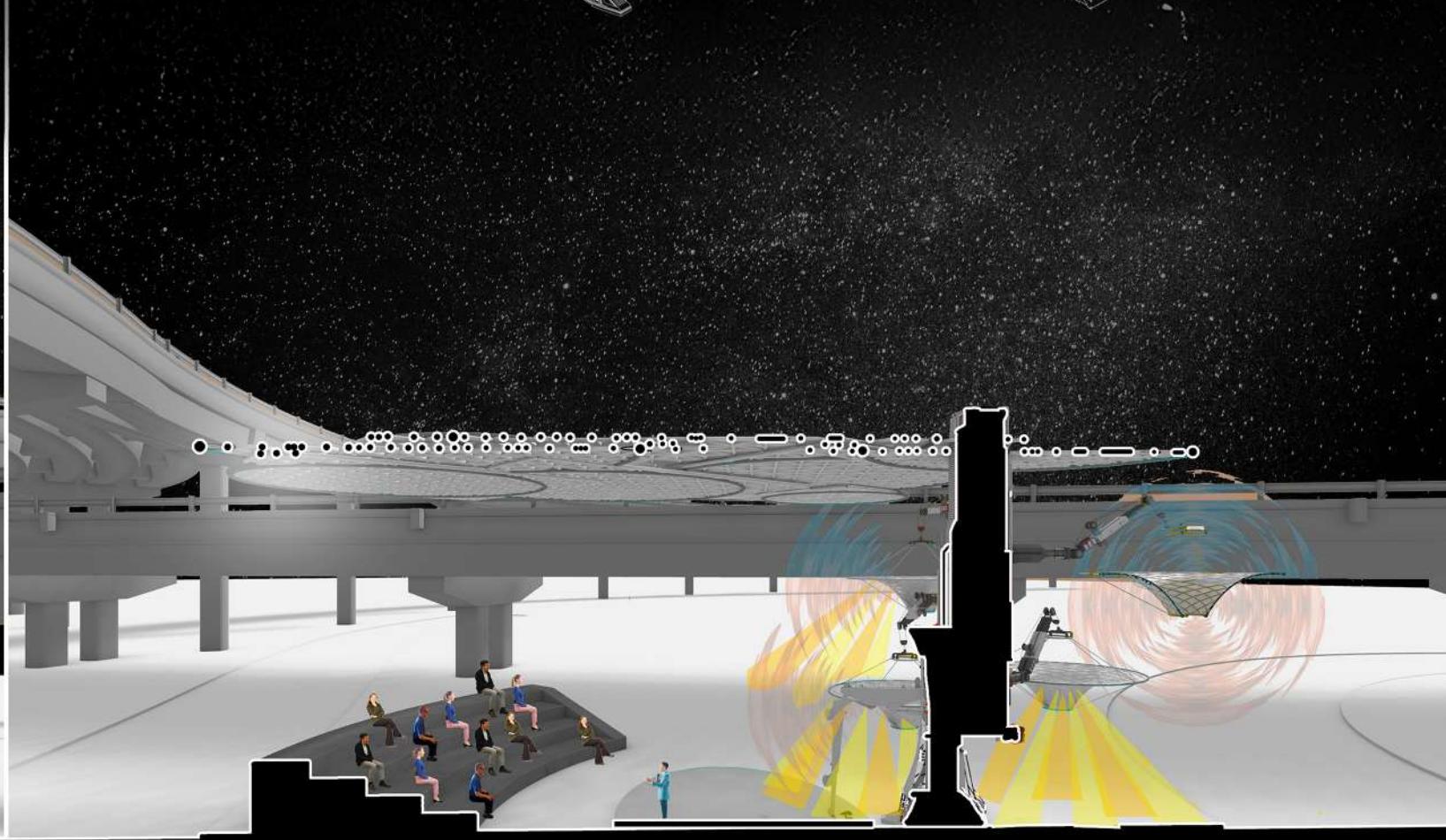
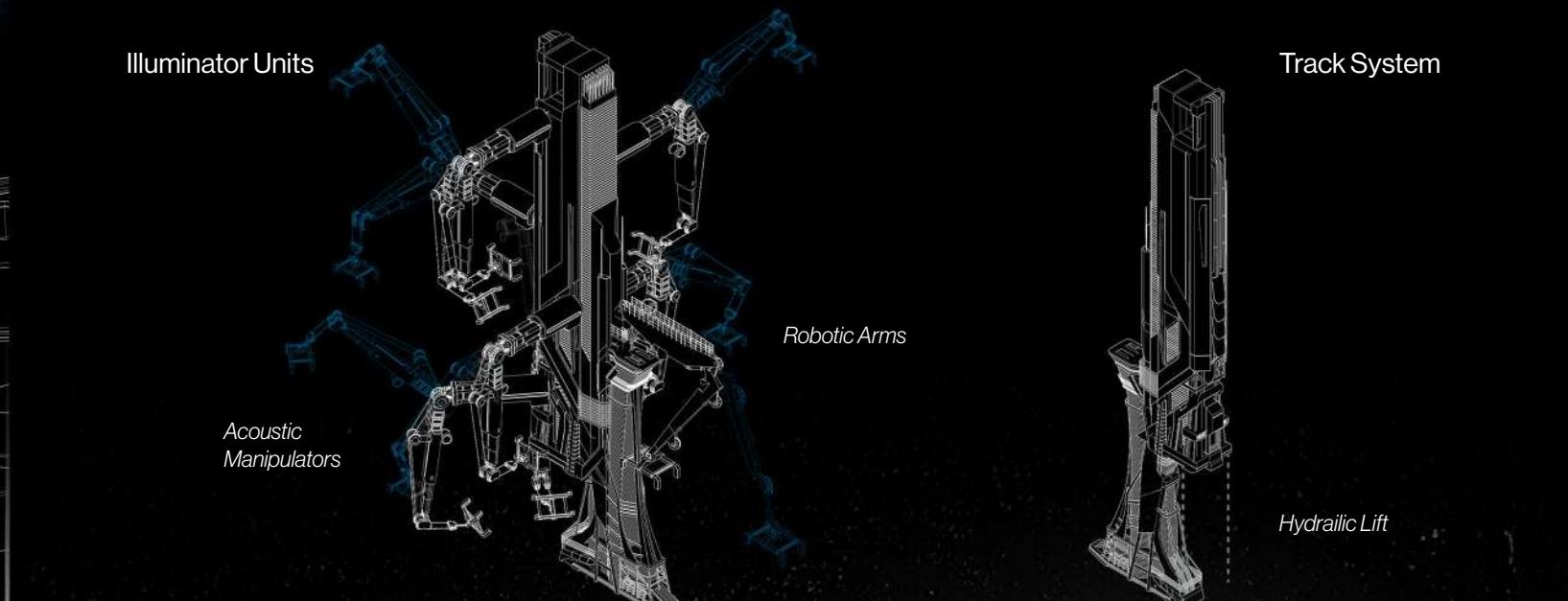
Collaboration with Alexis Escobar,

Tobias Maiden, and Edgar Tejeda





Community Activity Section



Social Gathering Section

# 06 Inbetween Artifacts

A system of follies

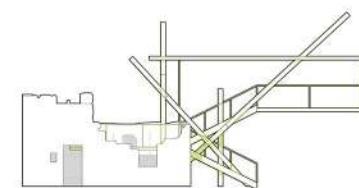
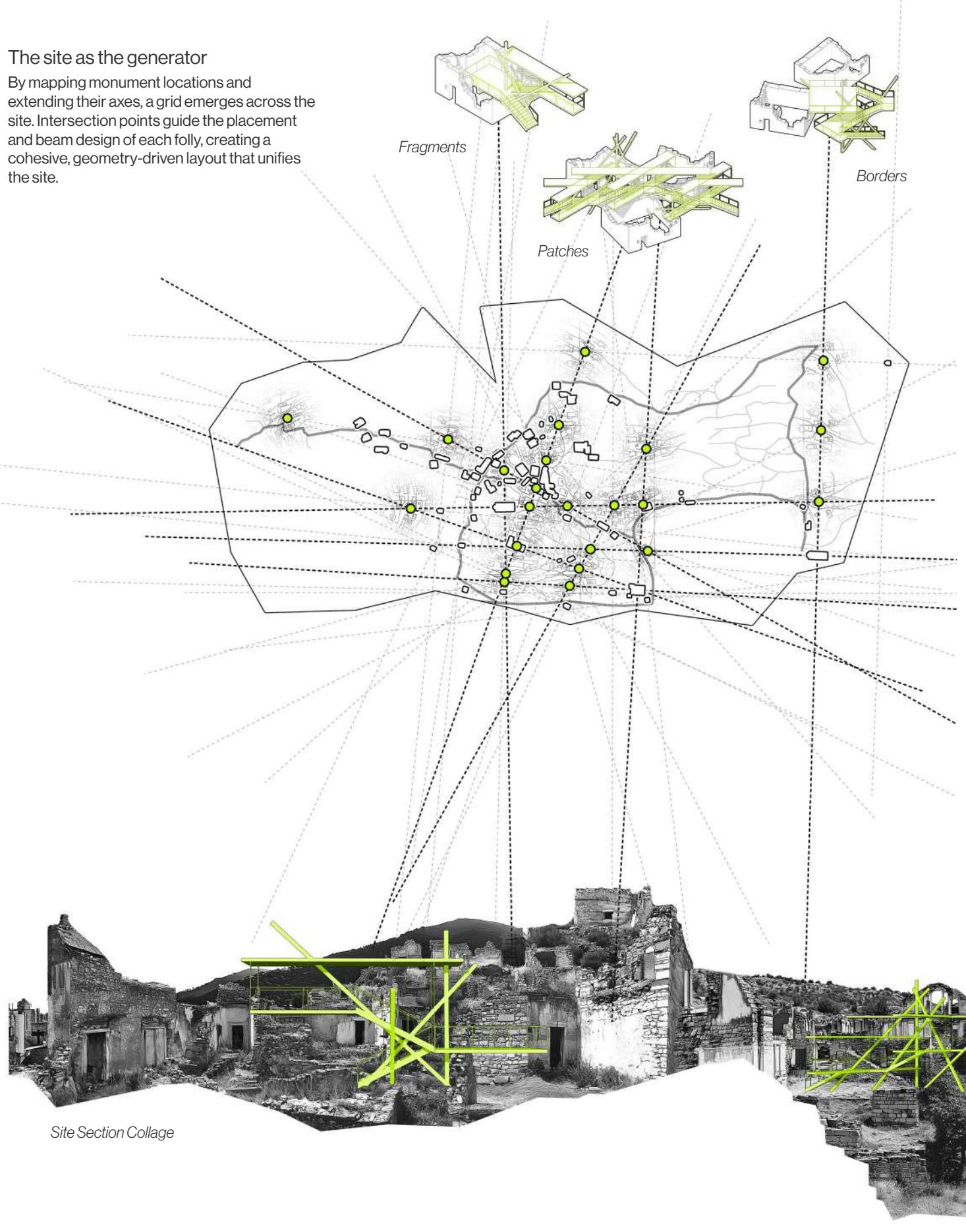
Site: Kayakoy, Turkey  
 Professor John Maruszczak  
 Year 4 Design Studio, Fall 2024

This project is a architectural intervention at Kayakoy's ruins that explores the site's historical layers through fragments, patches, and borders. These elements, placed at intersecting axes, enhance visitor engagement by creating points of connection across the landscape. Each intervention invites reflection, emphasizing the connection between the site's historic, cultural, and natural aspects.

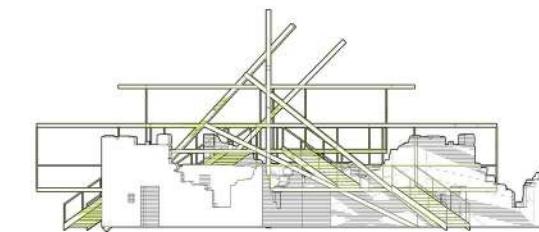


### The site as the generator

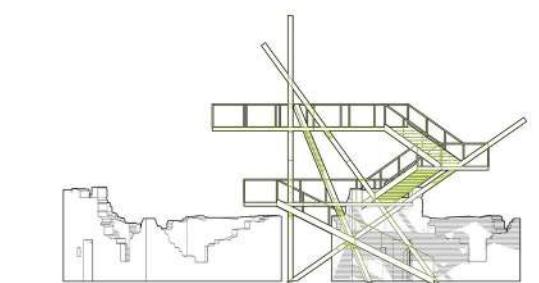
By mapping monument locations and extending their axes, a grid emerges across the site. Intersection points guide the placement and beam design of each folly, creating a cohesive, geometry-driven layout that unifies the site.



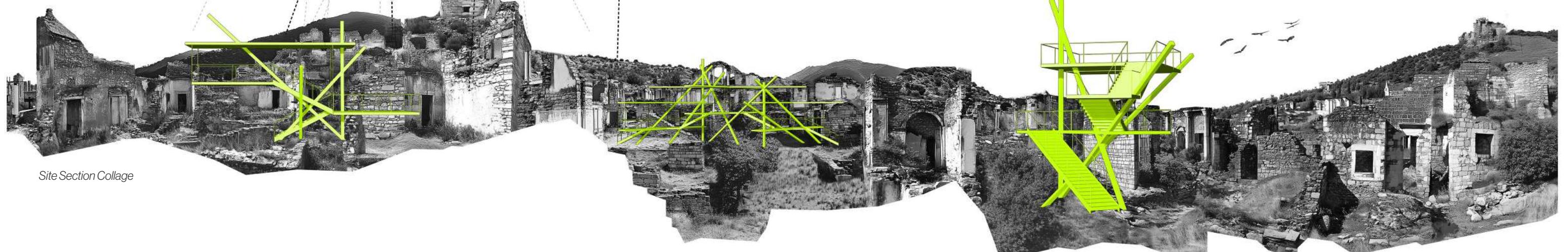
**Fragment**  
Freestanding stairs attached to individual ruins, allowing visitors to explore distinct architectural details.



**Patch**  
Light, minimal bridges that connect clusters of ruins, encouraging movement and continuity within the space.



**Border**  
Standalone viewing structures at the site's periphery, providing elevated perspectives of Kayaköy's ruinescape.



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**Thank you**  
For your time