



Jack
Shannon
Architectural Portfolio

Jack Shannon

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Recent Grad

After graduating from the University of Kansas with my Master of Architecture degree, I am eager to put my skills to use on new innovative projects, problem solve, and foster creativity.

A detail oriented, driven, and creative recent architecture graduate with a strong foundation in design, seeking a full time opportunity with a collaborative team that values thoughtful, user focused environments. I'm passionate about bringing imaginative, forward thinking ideas to life and eager to contribute to projects as they develop from concept through execution. With academic experience and projects focused on residential and lifestyle oriented design, I'm especially interested in roles that bridge design and implementation where coordination, problem solving, and clear communication are essential to delivering meaningful results.

Education

University of Kansas

Graduate Degree 4.0 GPA
Undergrad Degree 3.3 GPA

Experience

Intern at Aria Group

Contributed to documentation for restaurant and hospitality projects. I worked through SD, DD, and CD phases across various projects.

Studio 804

1040 New York Lawrence, KS was my thesis design-build project where I worked from SD to complete home.

Strengths

Creative/Critical Thinking, Attention to Detail, Intuitive, Strong Visualization Skills, Problem Solving, Flexible, Independent and Collaborative, Drawing/Modeling, Quick Learner, Construction, Architectural Design, Woodworking, Metal Fabrication



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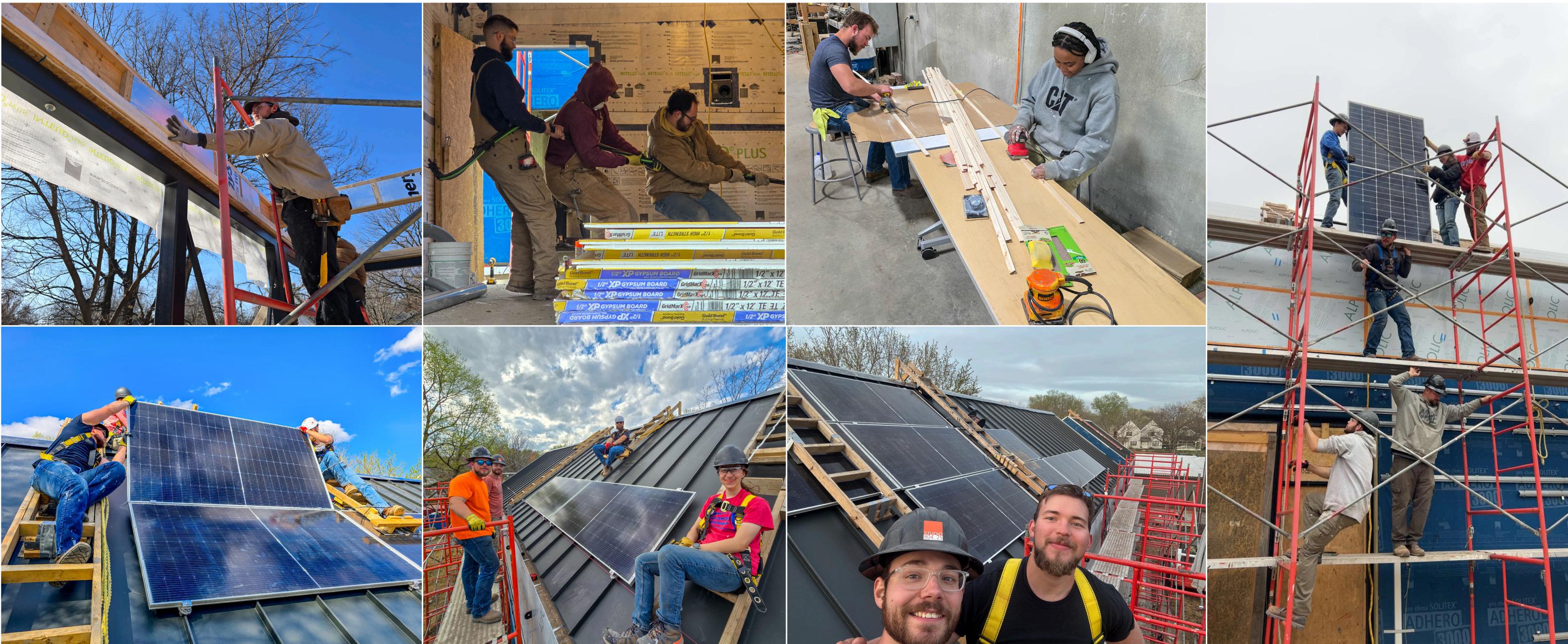
studio 804

Studio 804 is a comprehensive, design-build graduate program that immerses students in every phase of architectural practice from initial design to final construction. During the 10-month 1040 New York project, I collaborated with a team of 20 students, contributing to all stages of the process: developing the design, coordinating with city officials and material manufacturers, and physically constructing the home. This immersive experience allowed me to merge my design skills and problem-solving abilities daily, tackling complex challenges and managing diverse responsibilities.

While every student engaged with the full scope of the project, we each held specific primary and secondary roles. My key responsibilities included budget management, designing and fabricating the steel handrail, and participating on the solar installation team.

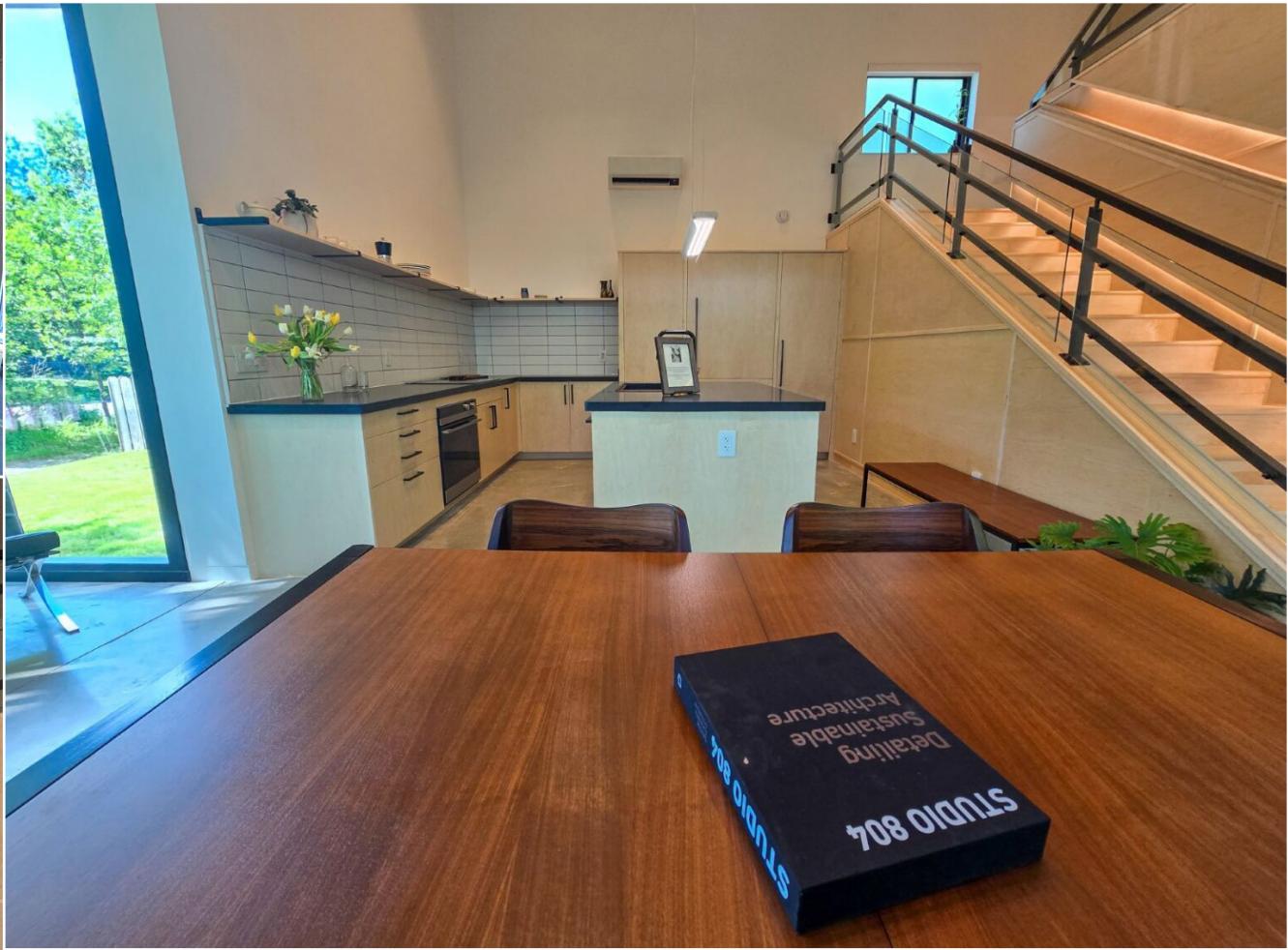
- Budget Management: I oversaw the checkbook, paid invoices, managed credit card statements, processed student reimbursements, and maintained meticulous accounting records for audits and subcontractor documentation. I also prepared cost estimates, tracked deposits and credits, and coordinated material donations and discounts. This responsibility began on day one and continued throughout the project until it was handed off to the following year's class.
- Steel Handrail: I led the design and fabrication of the steel handrail, creating shop drawings, cut sheets, and mock-ups. I performed welding and collaborated with manufacturers to source glass and hardware. This was my first time working extensively with steel, and I successfully delivered a precise, well-installed final product.
- Solar Panel Installation: As part of a six-person solar team, I helped install and wire 16 rooftop solar panels. We ensured proper placement, fastening, and tested each panel to verify full functionality.

1040 New York brings light to the neighborhood through its modern sustainable design and urban strategy. The home includes two suite-style bedrooms with private bathrooms and closets, a half bath, a full kitchen, and a lofted living space. Above the garage is an accessory dwelling unit (ADU) complete with a bedroom, full bathroom, and a kitchenette designed to support multigenerational living, guest accommodations, or rental income in an effort to increase density and reduce the cost of living. The house is currently awaiting a LEED certification.

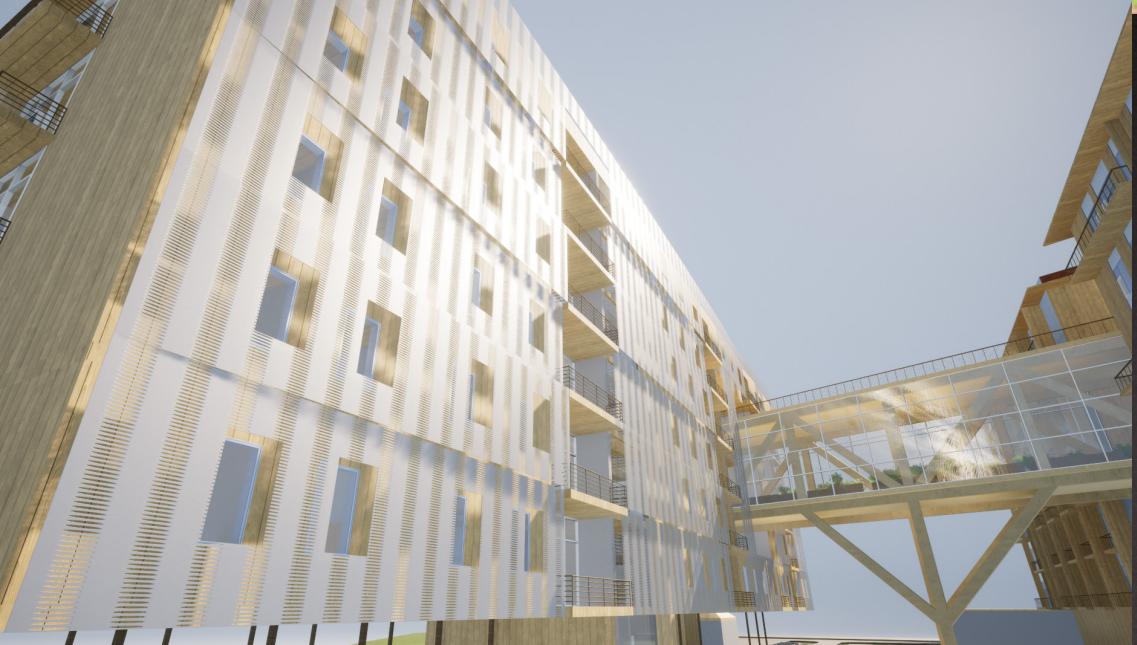




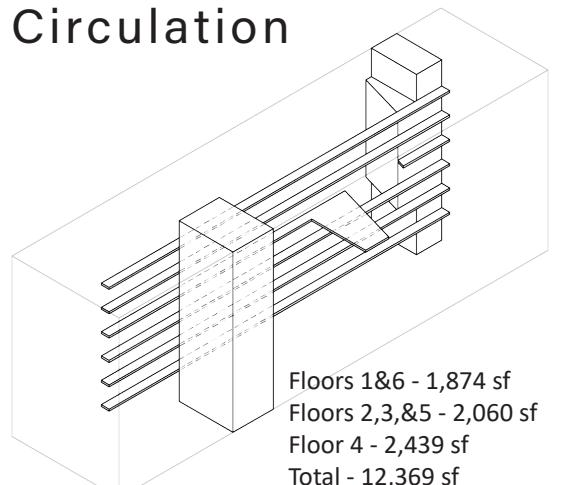




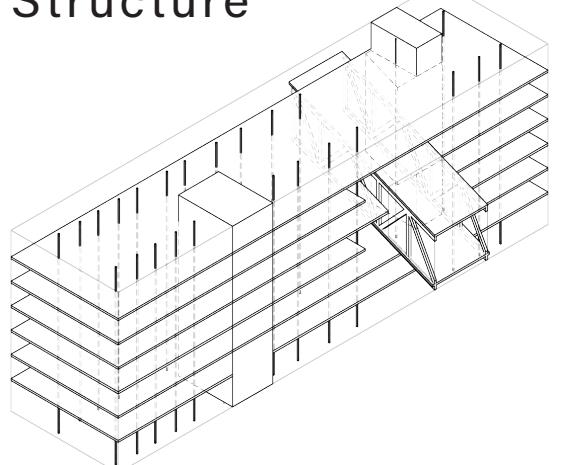
SHARED STORIES



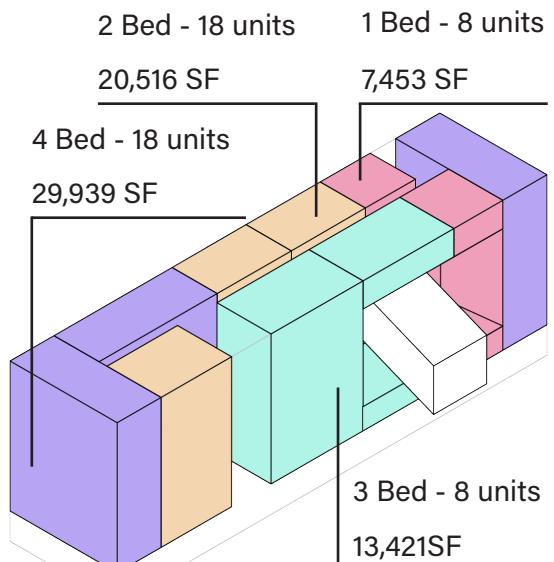
Circulation



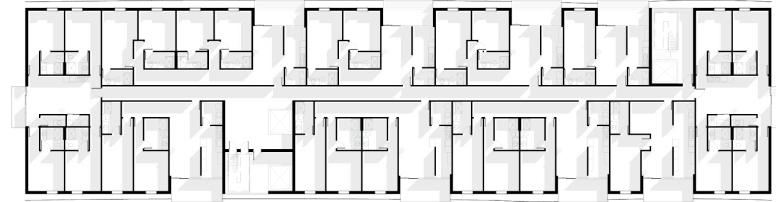
Structure



Units



Typical Floor Plans



Individual

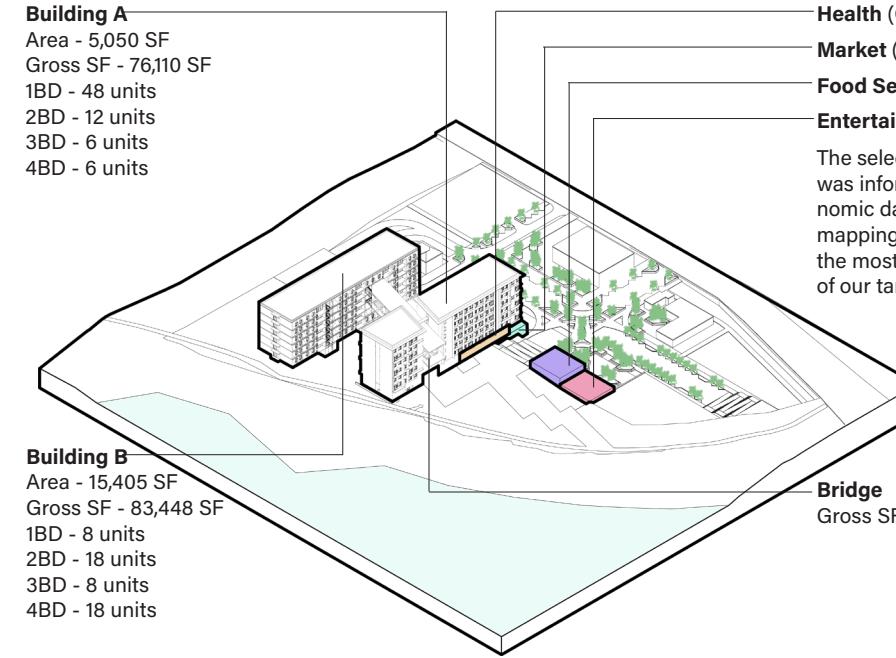
Building A
Area - 5,050 SF
Gross SF - 76,110 SF
1BD - 48 units
2BD - 12 units
3BD - 6 units
4BD - 6 units

Building B
Area - 15,405 SF
Gross SF - 83,448 SF
1BD - 8 units
2BD - 18 units
3BD - 8 units
4BD - 18 units

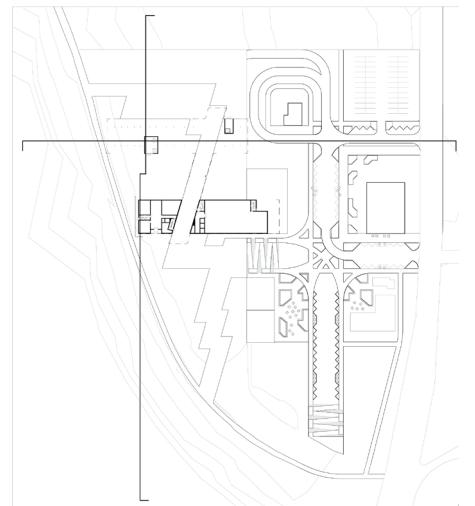
Coordinated Design

Health (Gym) - 5,200 SF
Market (Grocery Store) - 7,800 SF
Food Servicing (Bar) - 2,800 SF
Entertainment (Venue) - 2,800 SF

The selection of these amenities was informed by our socio-economic data analysis and isochrone mapping, which identified them as the most appropriate for the needs of our target demographic.



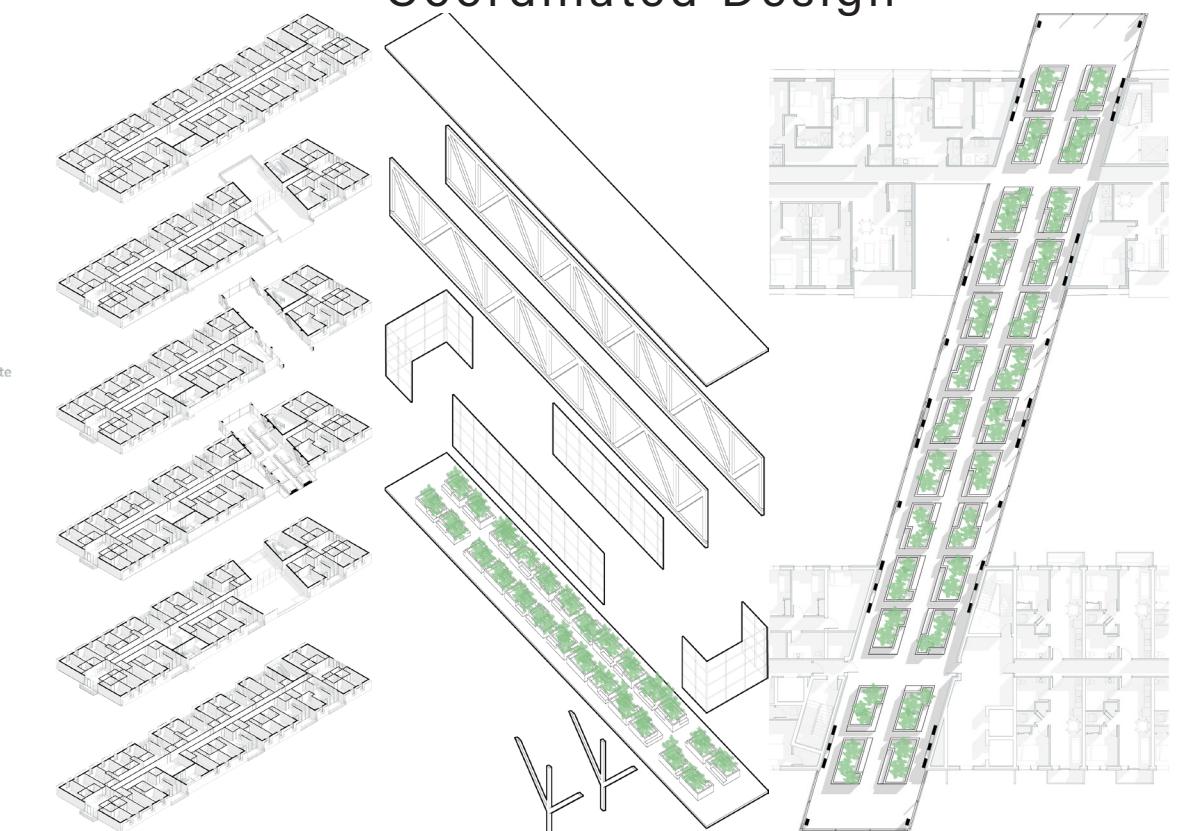
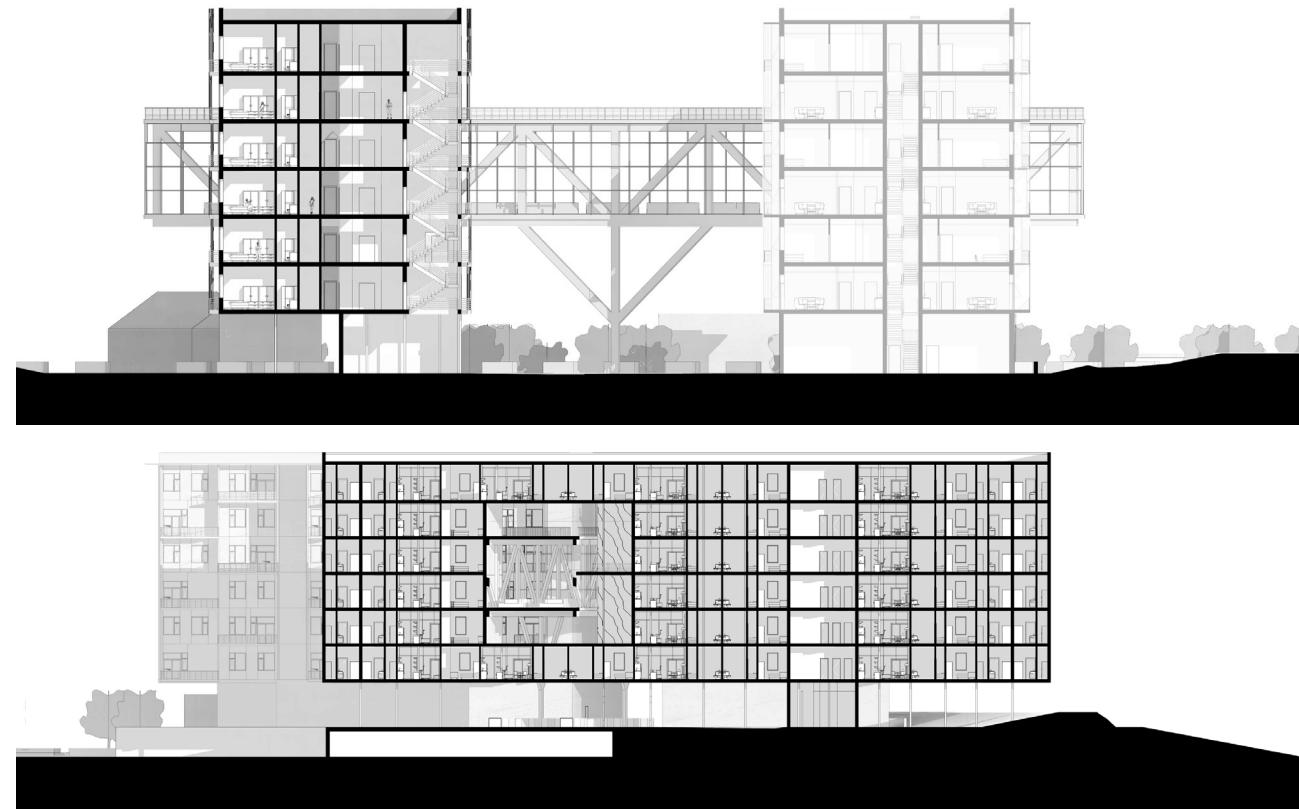
Bridge
Gross SF - 7,640 SF



Plan Key

In this collaborative project, I worked closely with Isaac Hamblin to design a mixed-use development featuring two individually designed apartment buildings. Our shared goal was to create an intergenerational community where seniors and young adults could live and grow together in a mutually supportive environment. This experience taught me the value of teamwork and compromise, as we worked together to develop a cohesive design vision. Collaborating allowed us to exchange ideas, overcome design challenges more efficiently, and ultimately enhance the quality of our proposal.

Coordinated Design





Dirt Works Studio

HAVEN
University of Kansas

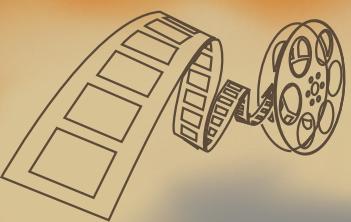




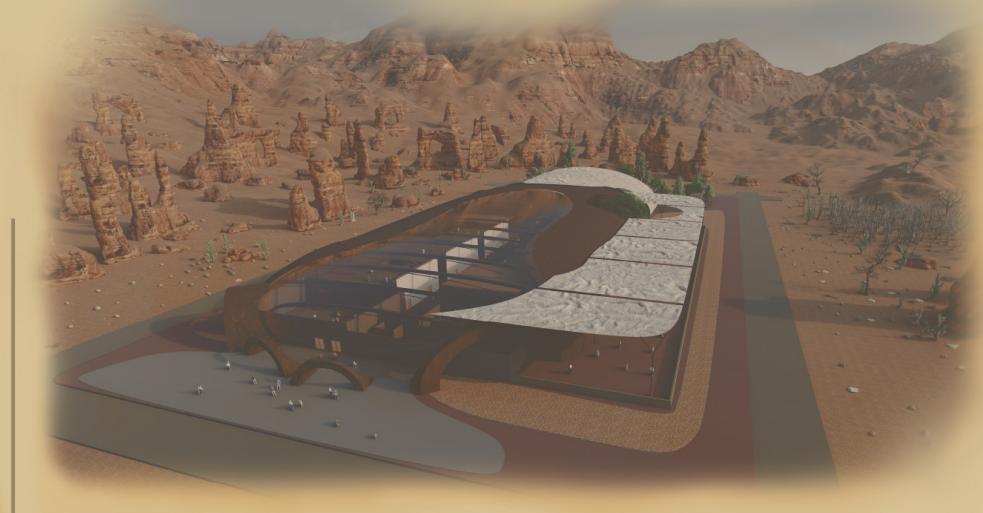
In Spring semester Design Build, I was fortunate to be a part of the Haven Studio project that was accepted into the US Department of Energy 2023 Solar Decathlon Build Challenge competition. Haven Studio is a 500 square foot, solar powered home designed and constructed by KU students. The home showcases net-zero energy and sustainable living. It operates with minimal energy consumption allowing its twelve-panel solar display to generate a surplus of energy than the home would consume annually. The home's sleek and slender layout is flooded with natural light thus minimizing the reliance on artificial lighting. The walls and floors used predominantly bio-based materials to reduce embodied carbon.

My contributions to Haven Studio began just after the foundation was poured. Although I was not part of the original design process, I was involved with design adaptations and helped solve problems throughout construction. A typical day was 9 hours. I was able to experience and be involved in not only the construction but also aspects of the electrical, plumbing, competition tests, and mechanical set-ups. We passed all inspections. This was an exhilarating experience to be a part of and to witness one of the largest third year projects KU students have ever completed.

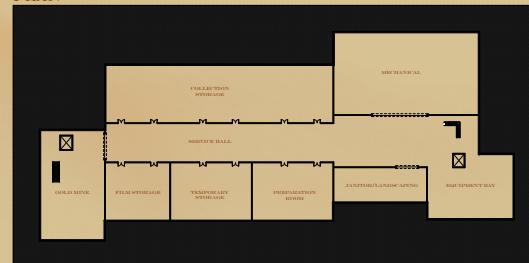




MUSEUM OF WESTERN FILM FORT WORTH, TEXAS

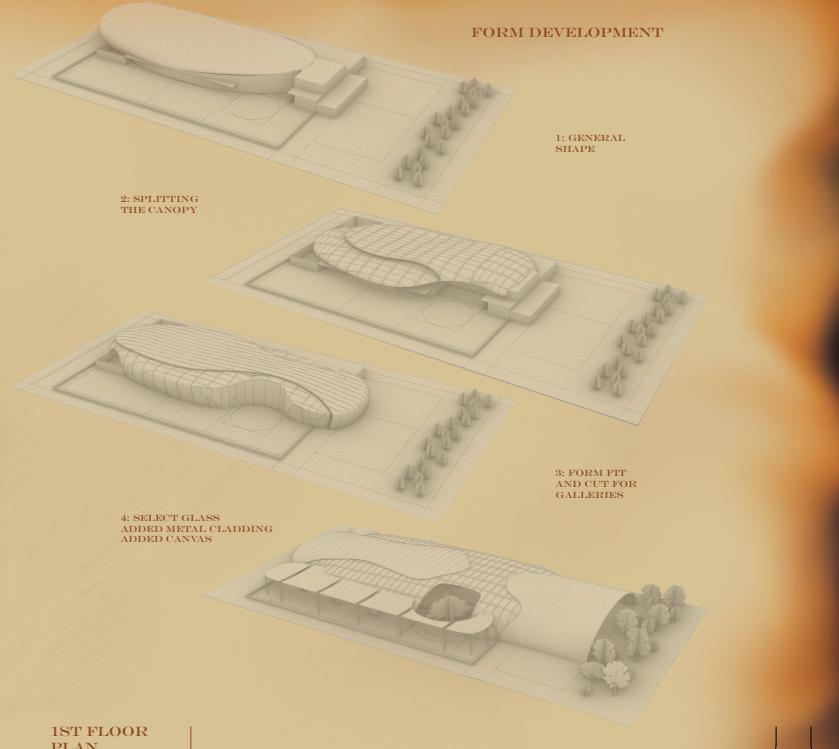
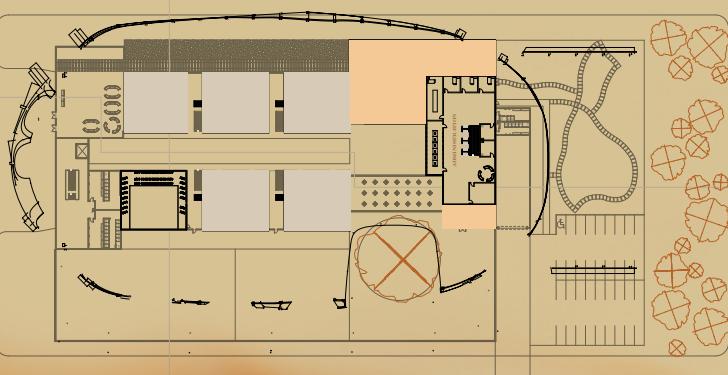


BASEMENT PLAN

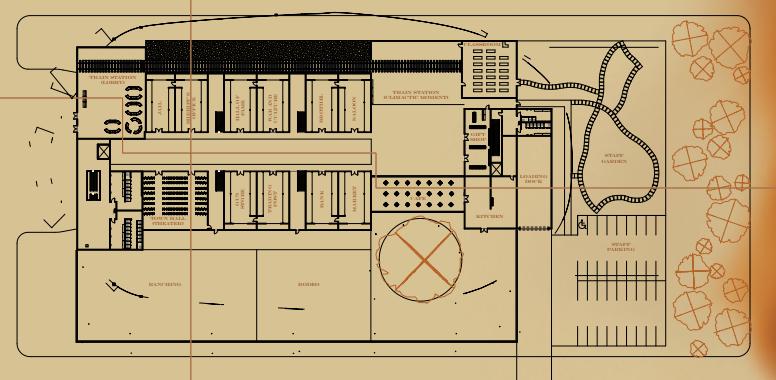


SCALE: 1"

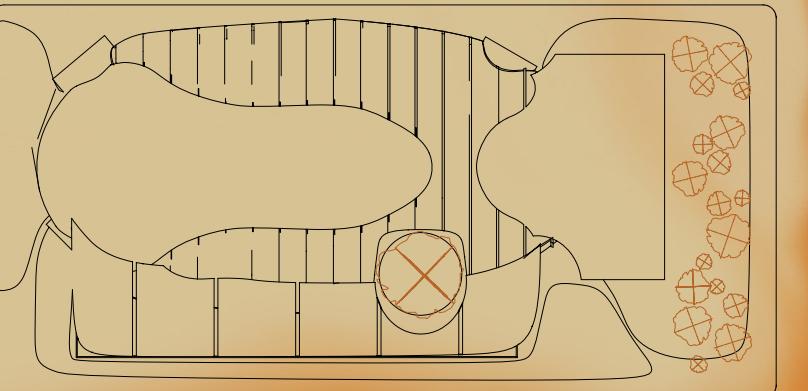
**2ND FLOOR
PLAN**



1ST FLOOR PLAN



SITE PLAN



For this project, I chose to design a museum exhibit on a meaningful topic connected to my home state. I chose to focus on the Wild West, specifically the area around Fort Worth, Texas, which I visited. Unfamiliar with the region, I learned about it by researching its culture and attractions, quickly discovering that Fort Worth is often called "the place where the West begins." This topic interested me deeply, as I grew up watching Western movies with my father. While the region is home to many Western-themed museums, there is one specifically on the legend of the Wild West. This inspired me to create an exhibit that immerses visitors into the world of the Wild West, bringing them into that time.

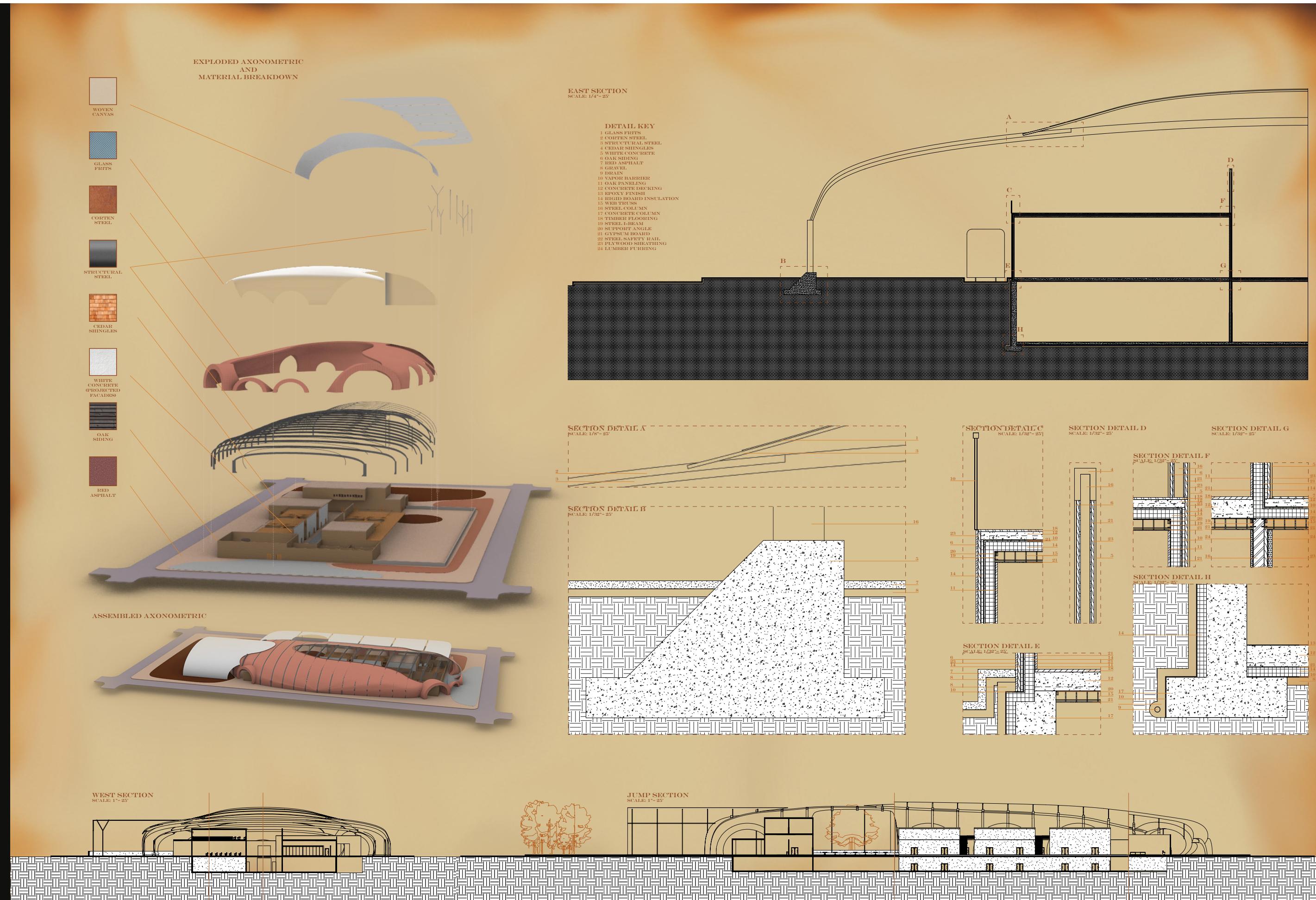
The experience begins with a board a functioning train station lobby, symbolizing the transition from the present day to the past. The train moves slowly, while windows display a illusion of high-speed travel. The interior of the train is a battles, setting the stage for the adventure ahead. When the train arrives at the disembark, they emerge into the heart of an Old West town, the center of a living museum. Here, iconic characters from famous Western films, fully costumed and interacting with visitors, projections of film scenes are displayed on large screens. Artifacts, including hats, rifles, and other items from the era, are displayed throughout the town, immersing visitors in the spirit of the Old West.

Above the towering canopy structure inspired by a covered wagon spans the site, it frames views west, echoing the iconic film Westerns. Constructed of glass, and woven canvas, it offers shade and protection while maintaining an atmosphere, bridging the authenticity of the past with modern materials and techniques.

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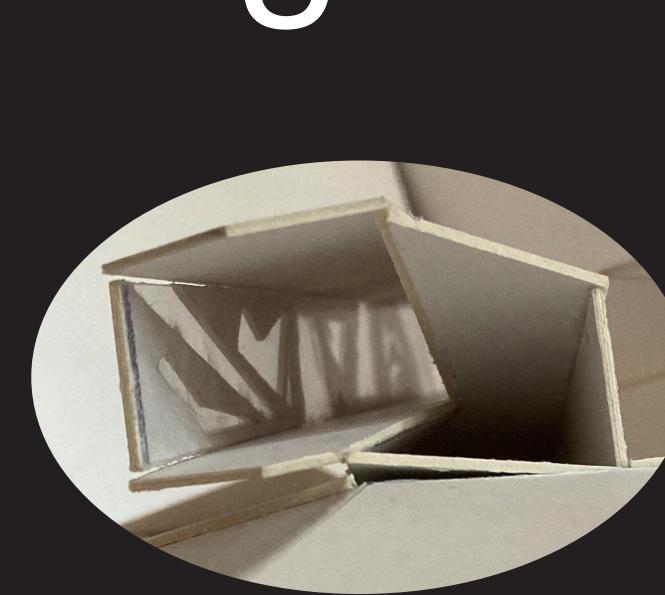
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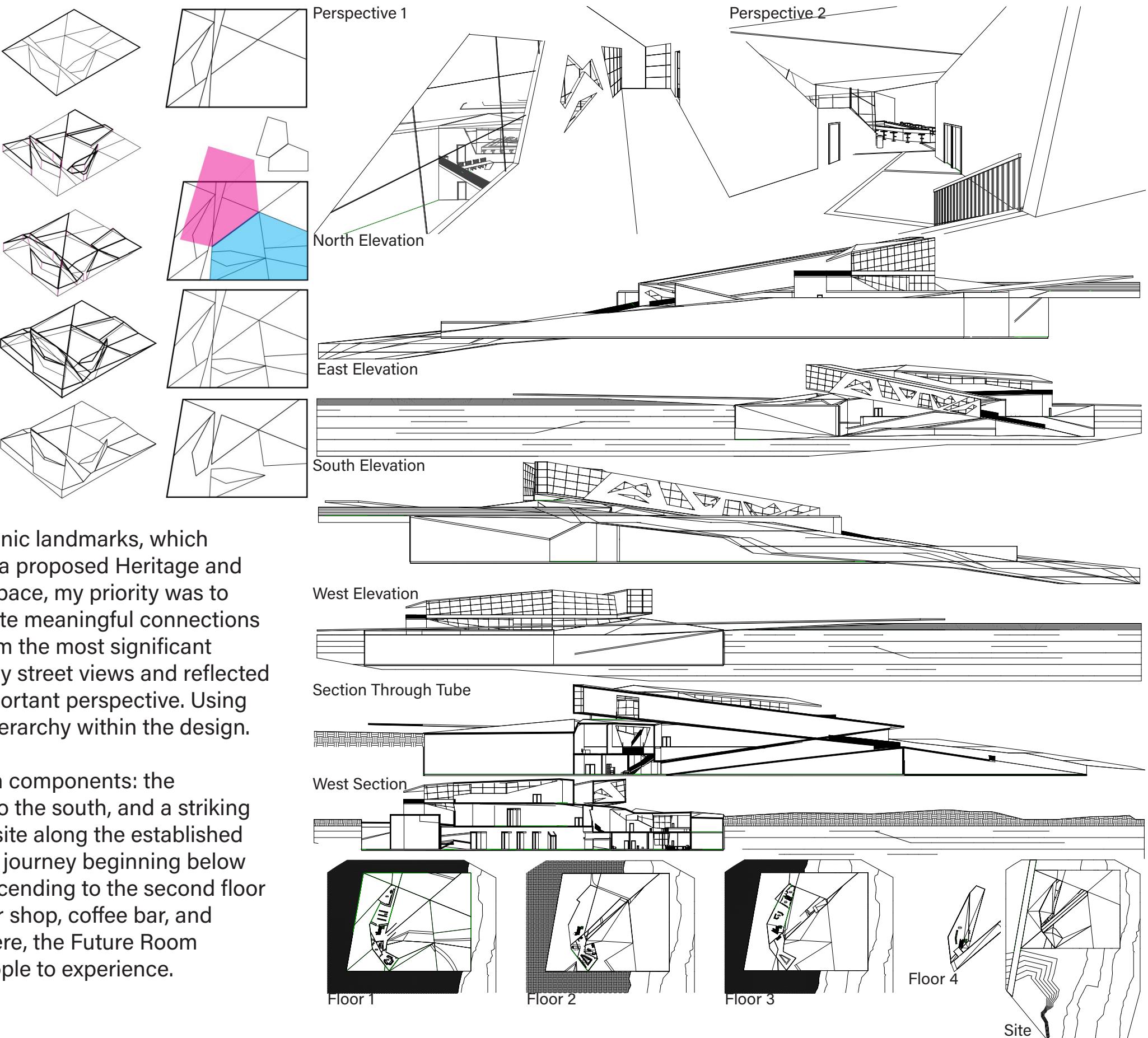
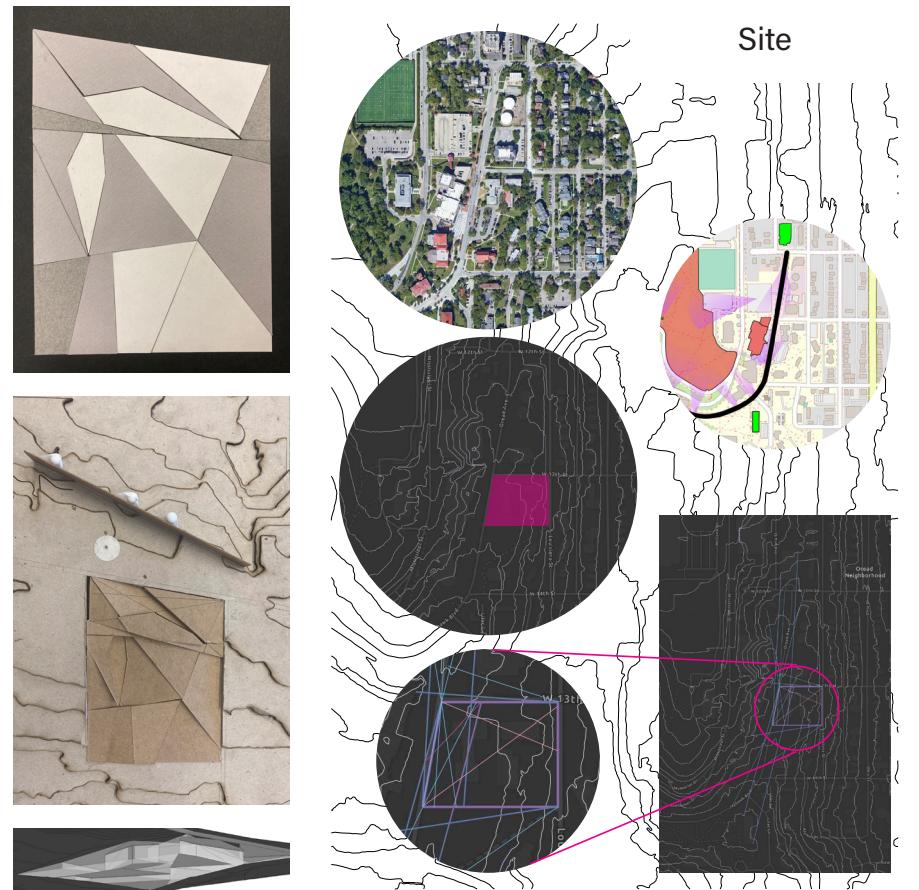
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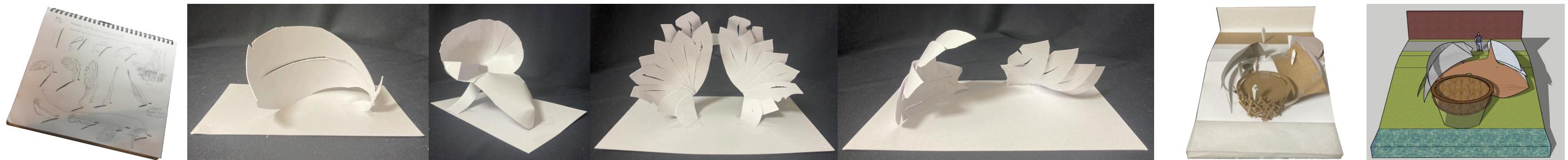
KU Heritage Center



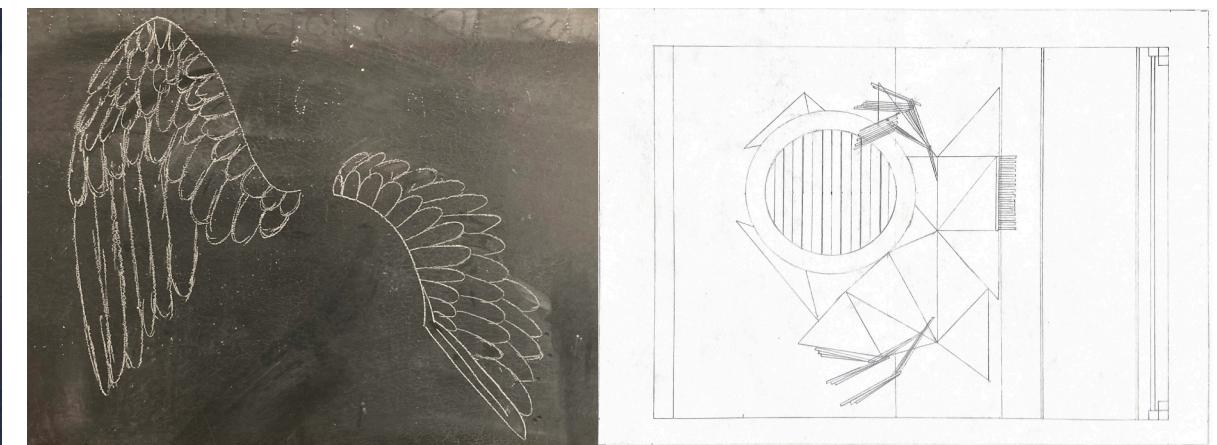
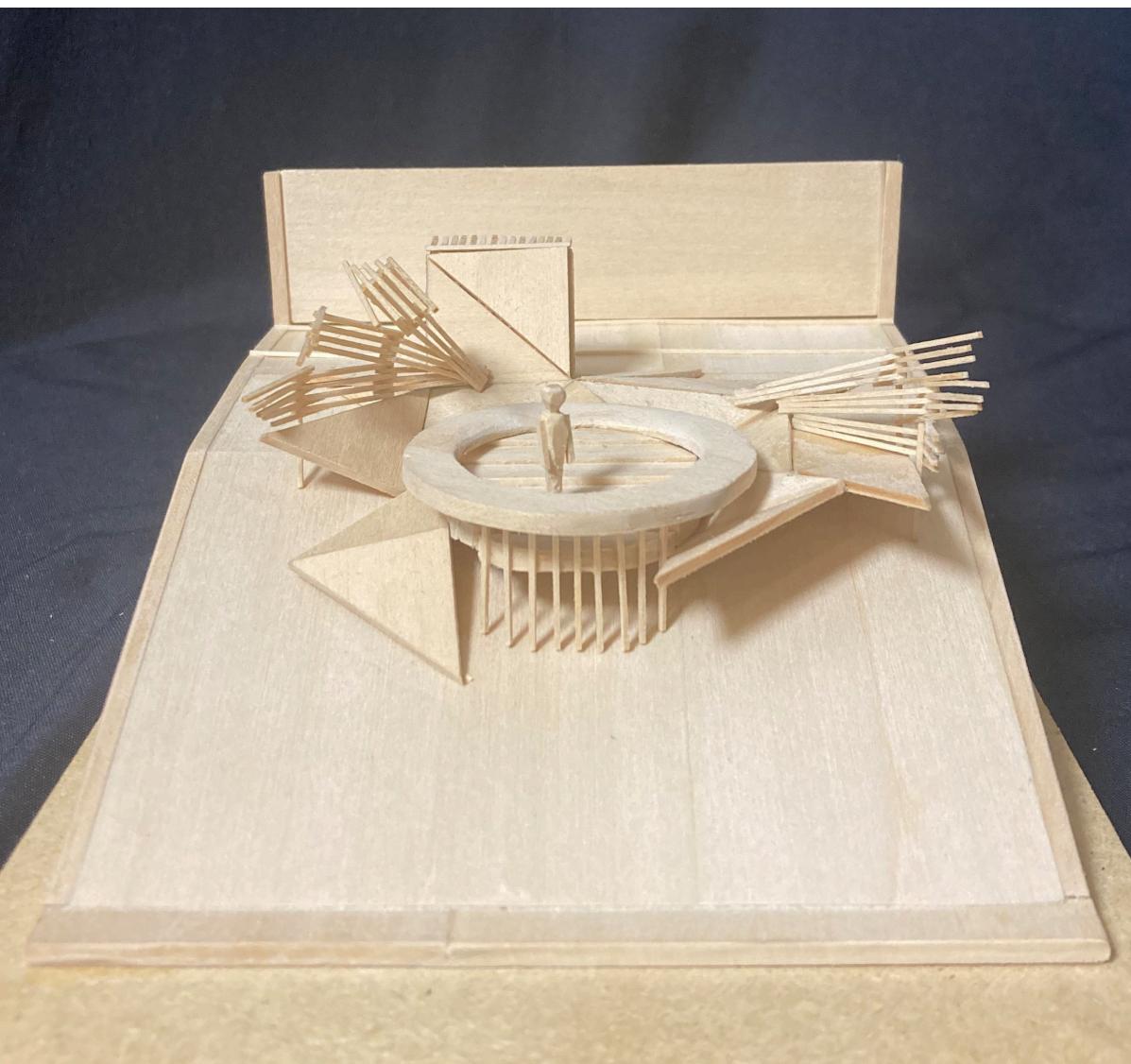


The University of Kansas is defined by its many iconic landmarks, which became the foundation of my design approach for a proposed Heritage and Welcome Center. When tasked with creating this space, my priority was to orient the building around these landmarks to create meaningful connections for visitors. First, I established sightlines drawn from the most significant landmarks visible from the site. Then, I analyzed key street views and reflected them along a central axis to highlight the most important perspective. Using these sightlines, I extruded platforms to create a hierarchy within the design.

The resulting structure is organized into three main components: the Visitor Center at the north end, functional spaces to the south, and a striking geometric tube that divides both the building and site along the established axis. The Visitor Center guides guests on a vertical journey beginning below ground level with the lobby and Memory Room, ascending to the second floor where the Location Room sits alongside a souvenir shop, coffee bar, and outdoor patio and culminating on the top level. There, the Future Room offers the most prominent views of campus for people to experience.

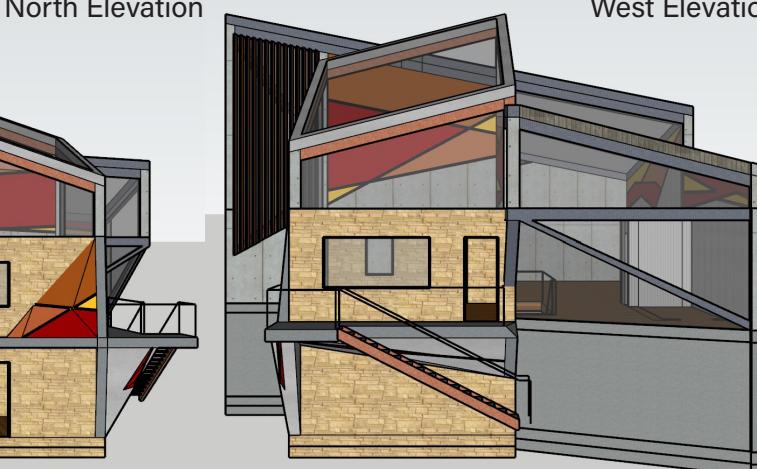


Eagle's Nest Bike Stop

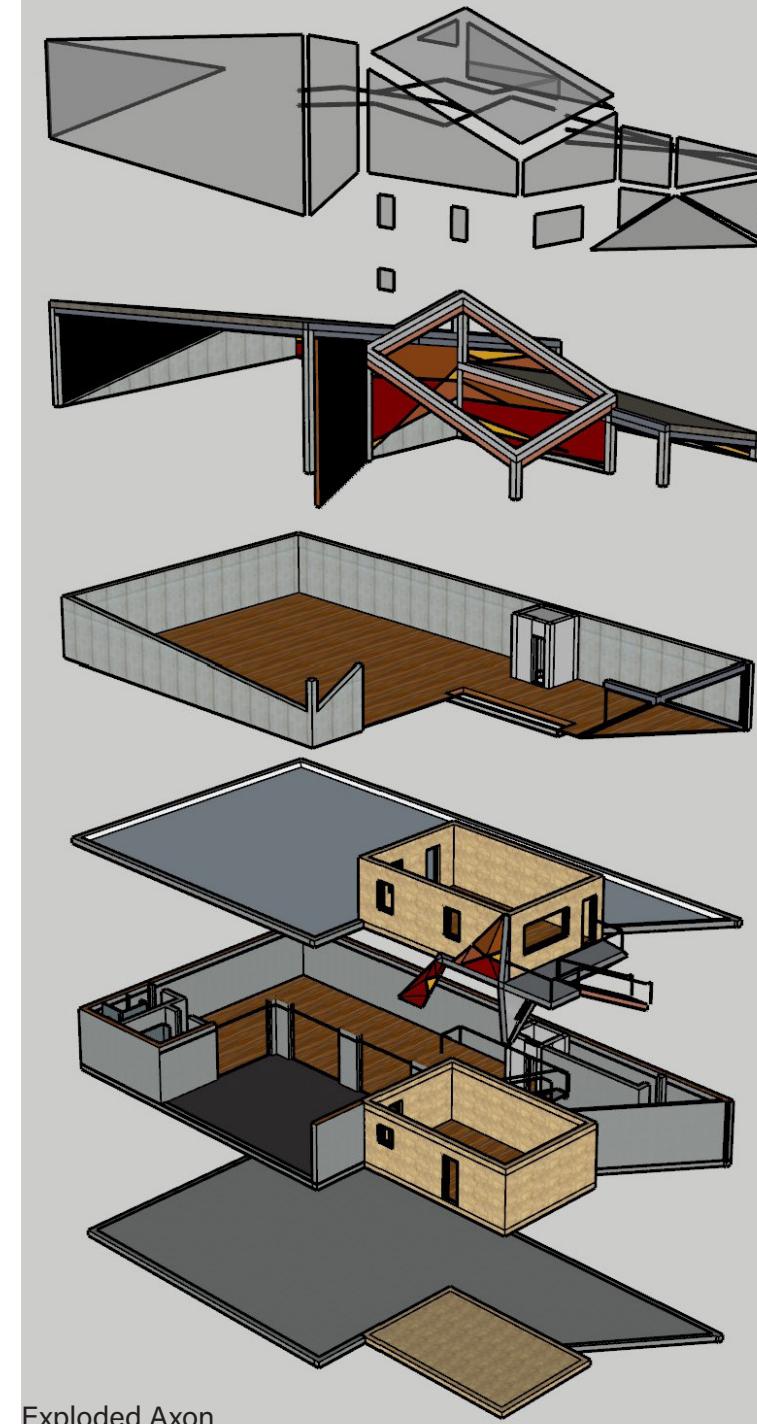


The objective of this project was to design a rest stop along a bike trail situated on a wetland ridge, a habitat rich in wildlife throughout the year. My goal was to create a structure that mimicked natural forms and integrated seamlessly with its surroundings. Inspired by organic shapes, I began exploring the form of a feather, then wings, ultimately settling on the concept of an eagle's nest incorporating wing like elements to serve as sheltered gathering spaces. The final design features a geometric pattern of interlocking triangles that echo the texture of a nest. At its highest point, the form connects with the restroom facilities, while the wing like structures frame views of the wetlands, encouraging a reflective, immersive experience. The material palette was chosen to harmonize with the natural environment, ensuring the structure enhances rather than disrupts the landscape.

Comedy Club Art Gallery

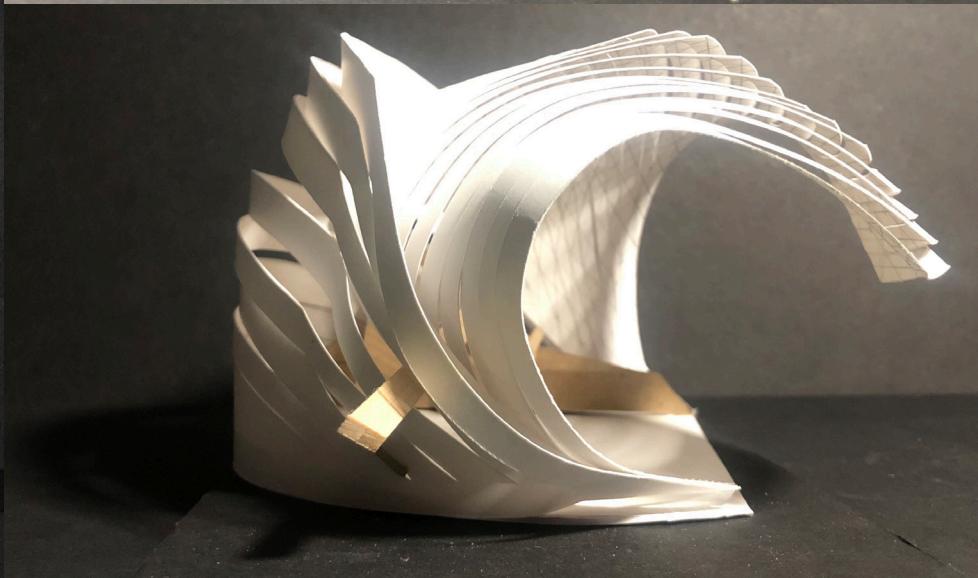
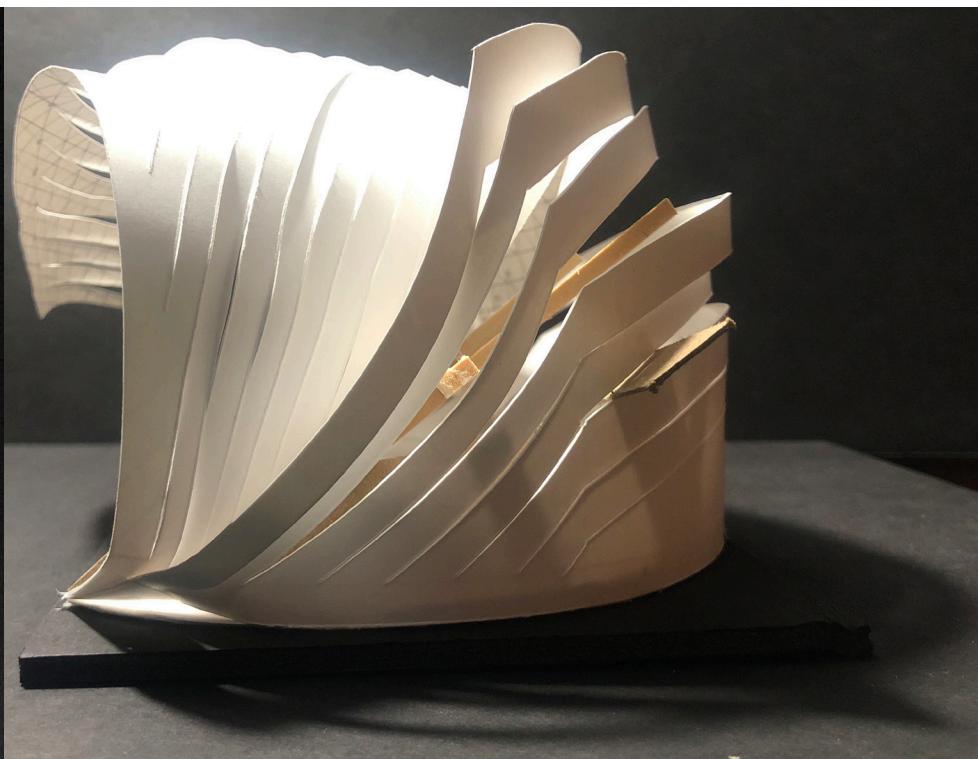
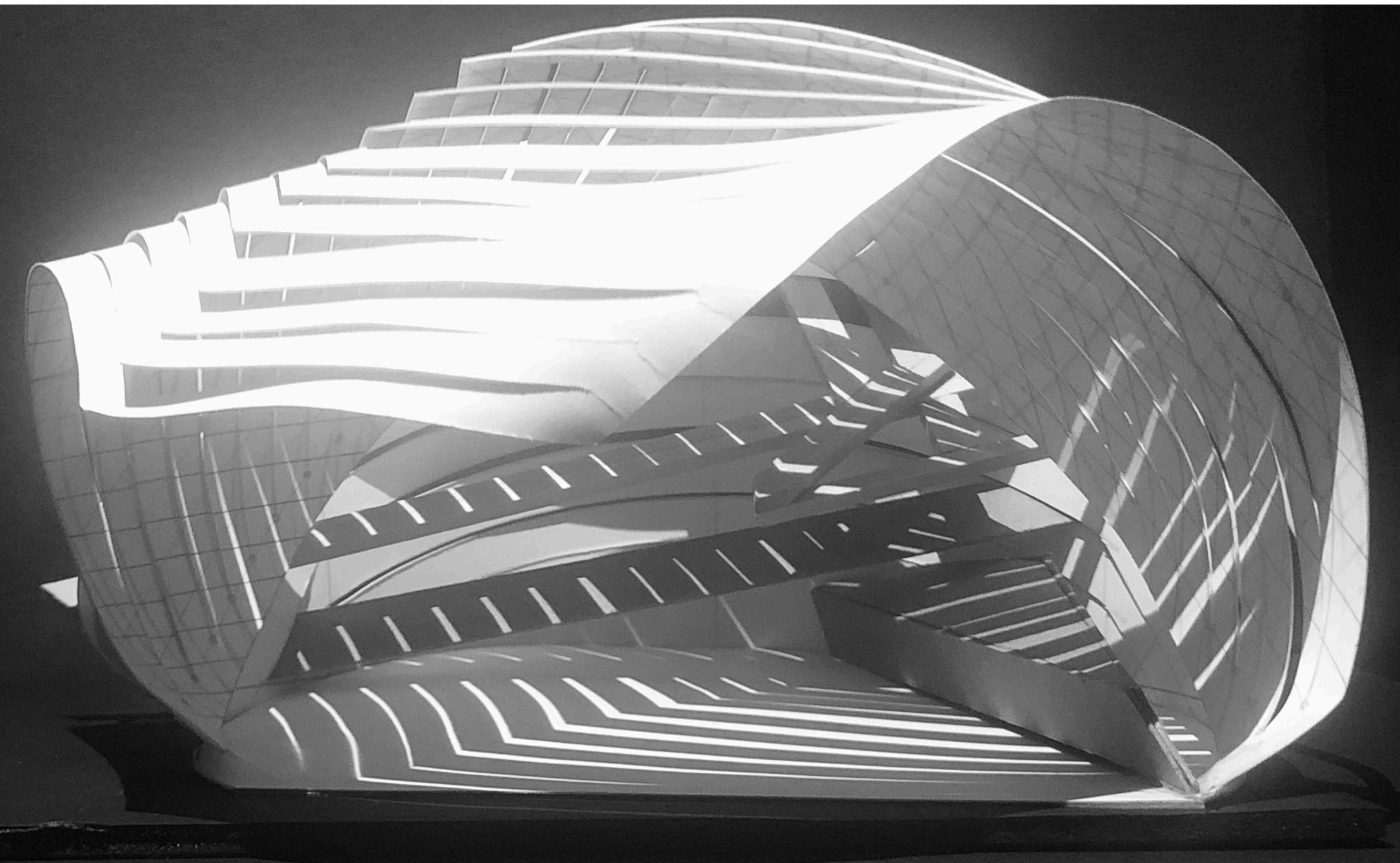
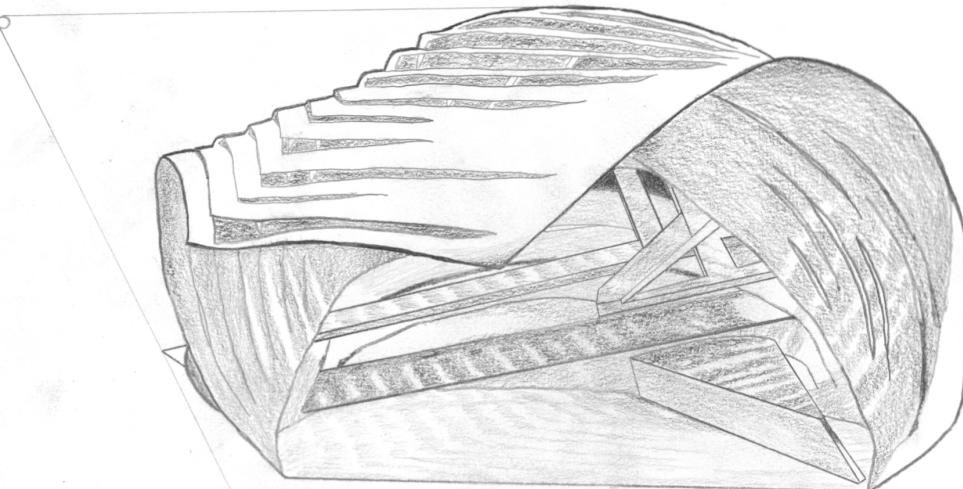


The goal of this project was to repurpose an abandoned 2 story brick bar into a vibrant space where people could gather to enjoy comedy performances and view local artwork. I preserved the original structure and introduced a programmatic separation between the two uses: the first floor functions as an art gallery, while the second floor houses the comedy club's lobby and ticket booth. The gallery features garage style doors to visually engage passersby and allow for easy installation of large scale artwork. On the second level, I designed a spacious auditorium for performances, complemented by an angled glass ceiling above the lobby to create a sense of openness and architectural interest. The building's facade is designed to resemble a glowing lantern, wrapped in a geometric, cage like structure that evokes the shape and movement of a flame.

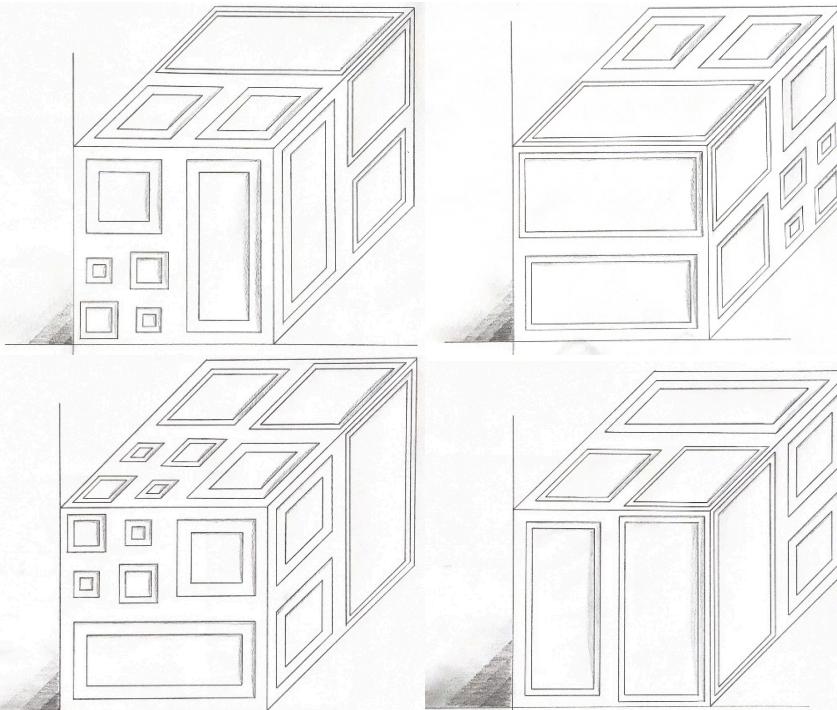


LightBox

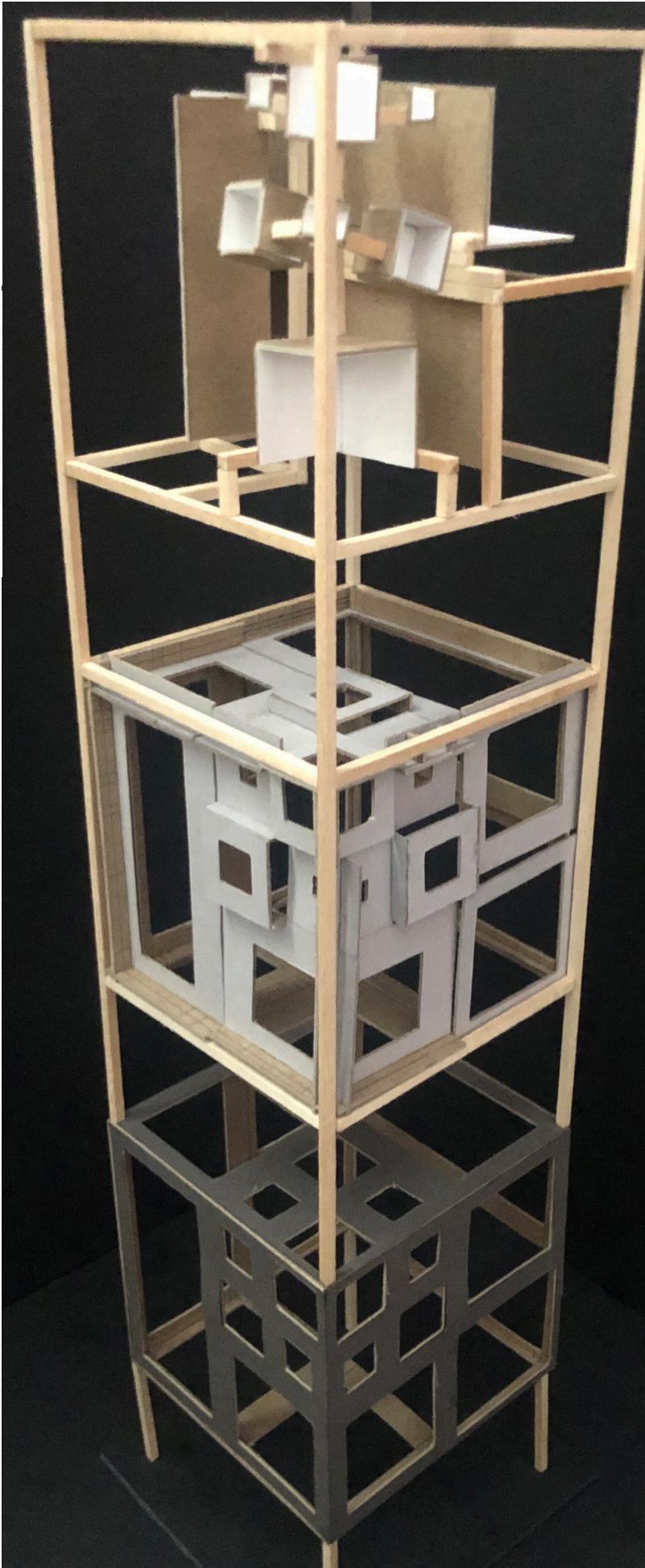
This conceptual project was focused on how light is projected onto and through gaps within surfaces. My design started with two different split extrusions which I merged to create a dome like structure. Once I had set those in place, I inserted other geometric shapes to capture the projection of light in different ways as well as to create more shadow projections.



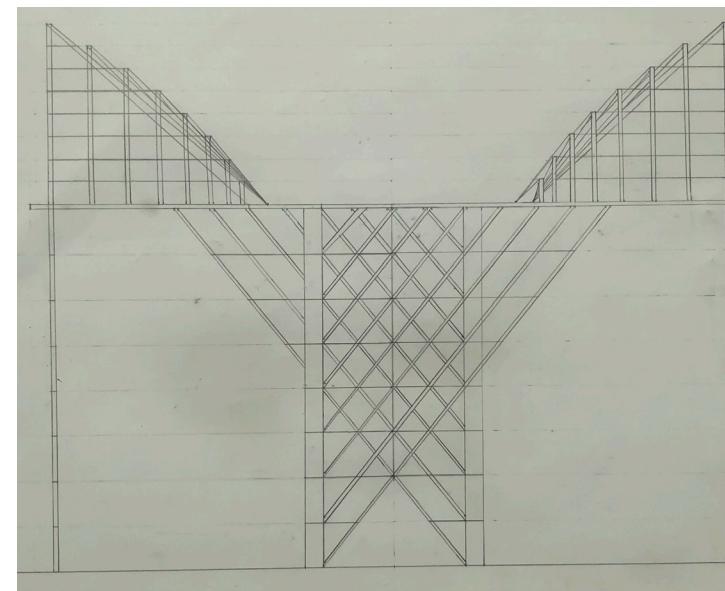
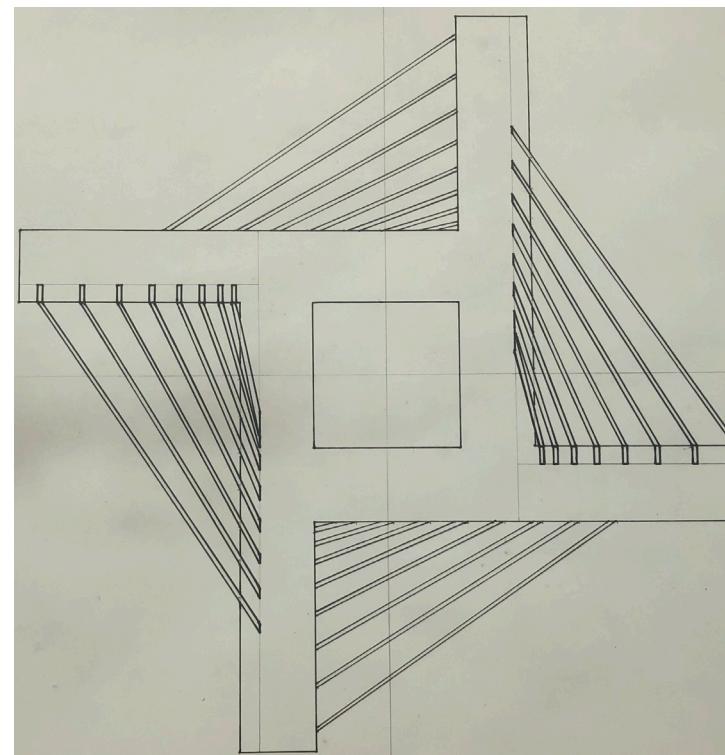
Cube Extrusion



A play on Rubik's Cube, this conceptual exercise was meant to experiment with differences in materials like the colors on the famous puzzle. From this, my aim was to have a cube with layers like an onion.



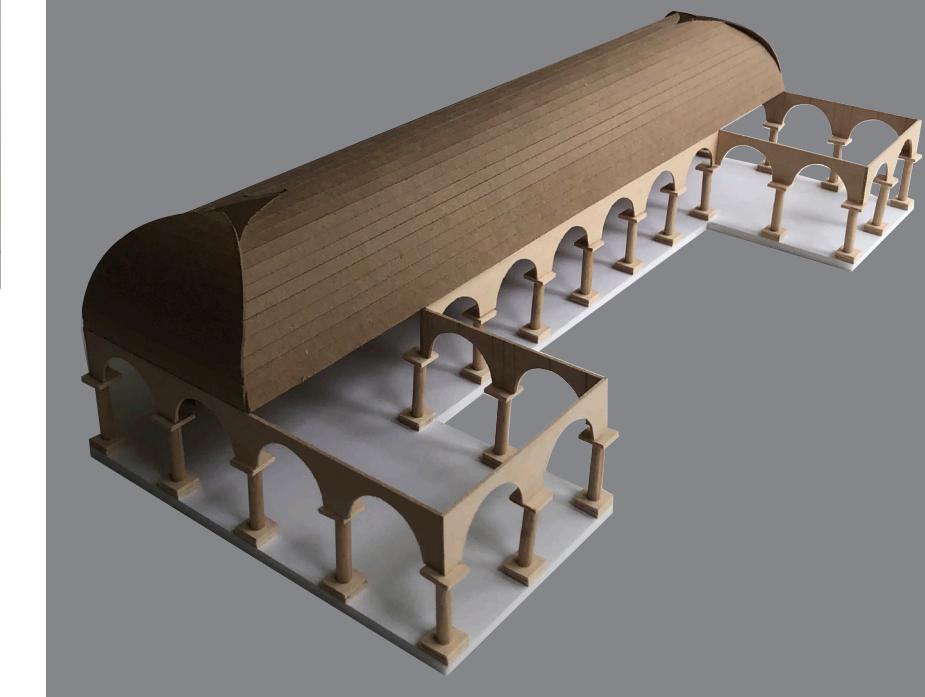
Pavilion



This structure was meant to serve as a focal point in a public park. My design for this project focused on peoples' perspectives. With an array of angles, I created a prominent visual structure from all sides. My goal was to attract attention to a visual spectacle and serve as an easily recognizable landmark.

Glass House

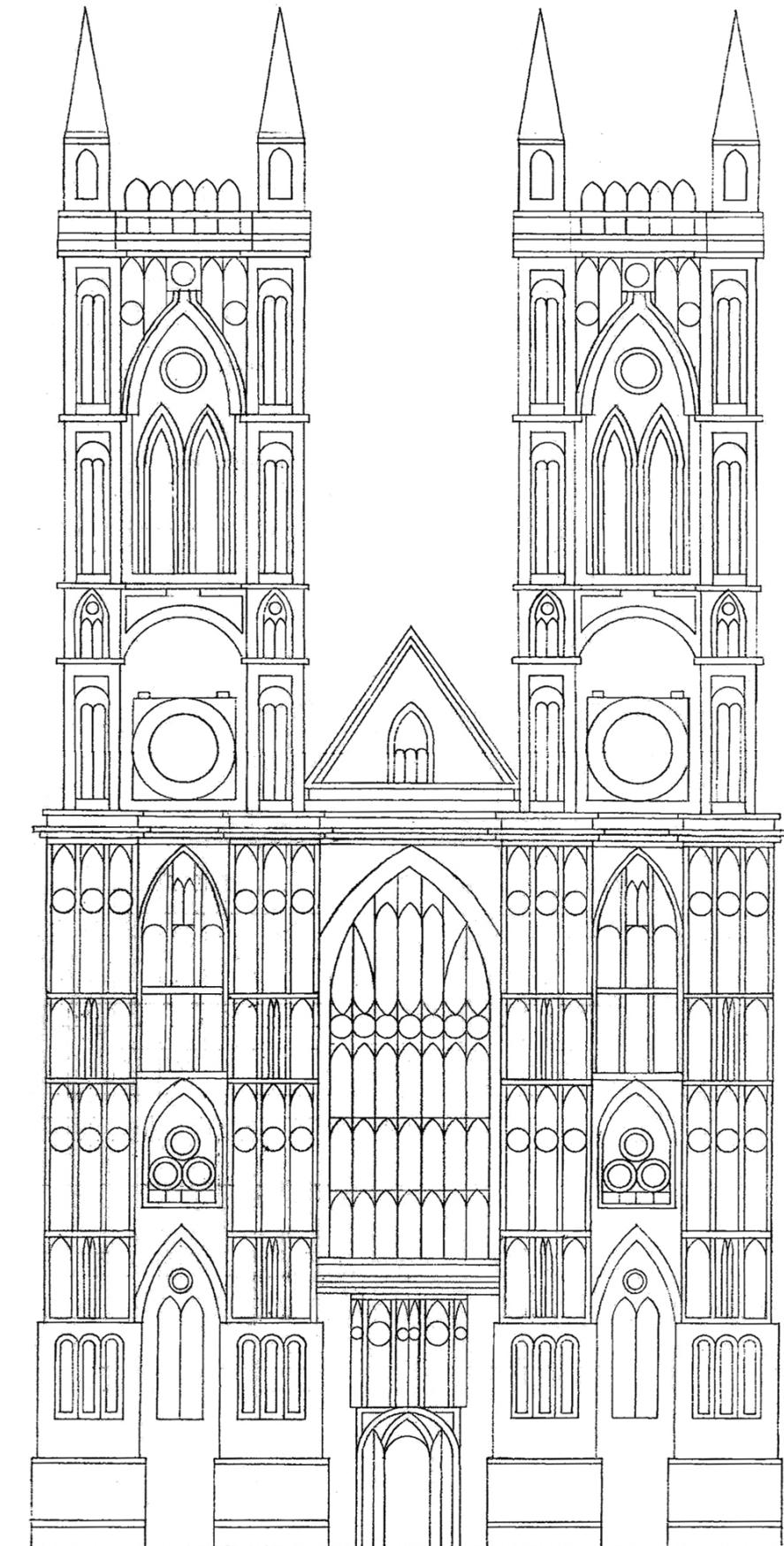
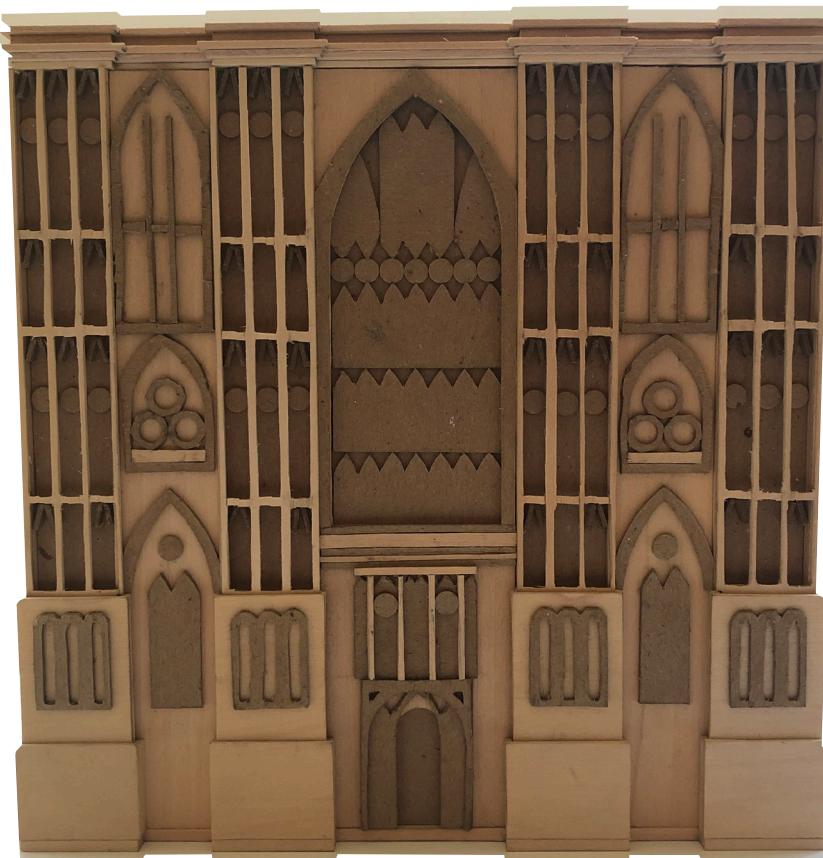
In this design intensive course, this project was to mimic the Phillip Johnson Glass House with my choice of adaptation. Here I pushed myself to experiment with more fundamental forms. I became interested in incorporating arches and columns of classic architecture into a mid-century modern glass structure.



Westminster Abbey

Since a young age I have been interested in architecture and would spontaneously create things with whatever material I had around.

Fortunately, I finally had the opportunity to take my first architecture class my Junior year of high school. Recreating the Westminster Abbey facade was one of my first formal projects that validated my dedication to the field of architectural design.



Dream Home



In this course, I was challenged to design my first theoretical “dream home,” giving me the opportunity to explore and express my own architectural ideas for the first time in class. Through the process of developing this 2 story model, I gained an early understanding as to the importance of circulation and human scale when shaping spatial experiences. The design separates private and public spaces by floor and is envisioned as a mountain retreat, oriented to capture views of the sunset.

