

GINA FAGLIARONE

Associate AIA



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SOFTWARE



Photoshop



InDesign



Illustrator



Rhino



Revit



Sketchup



Grasshopper



AutoCAD



TwinMotion



Enscape



MidJourney



Microsoft Office

PUBLICATIONS

David J. Sailor, Gina Fagliarone, Tim Hebrink, and Deepak Amaripadath. **"Field Evaluation of the Efficacy of Passive Radiative Cooling Infrastructure: A Case Study in Phoenix Arizona"**. Building and Environment (2024). <http://dx.doi.org/10.2139/ssrn.4893105>.

Alysha Helmrich, David J. Sailor, Gina Fagliarone, et.al. **"Developing Long-Term Risk & Resilience Management Strategies for Physical Asset and Critical Infrastructure Portfolios"**. Climate Risk Management (2023). <https://dx.doi.org/10.2139/ssrn.4480000>.

Jewelry Yep, Madison Brown, Gina Fagliarone and Jason Shulman. **"Influential Players in Twitter Networks of Libraries at Primarily Undergraduate Institutions"**. The Journal of Academic Librarianship. Vol. 43, Issue 3. (2017) p. 193-200. <https://doi.org/10.1016/j.jacalib.2017.03.005>.

EDUCATION

Arizona State University Design School | M. Arch 2021-2024

- AIA AZ State Conference Poster Exhibitor
- Thesis Prize Award
- ARCC King Award for Excellence in Architectural & Environmental Design Research
- Design Excellence Award

Stockton University | B.S. Environmental Sciences & B.S. Sustainability 2014-2019

- Minor in economics
- Stockton University Foundation Scholarship
- Certificate of Energy Studies
- Dean's List

EXPERIENCE

Graduate Student Researcher | Arizona State University 2021-2024

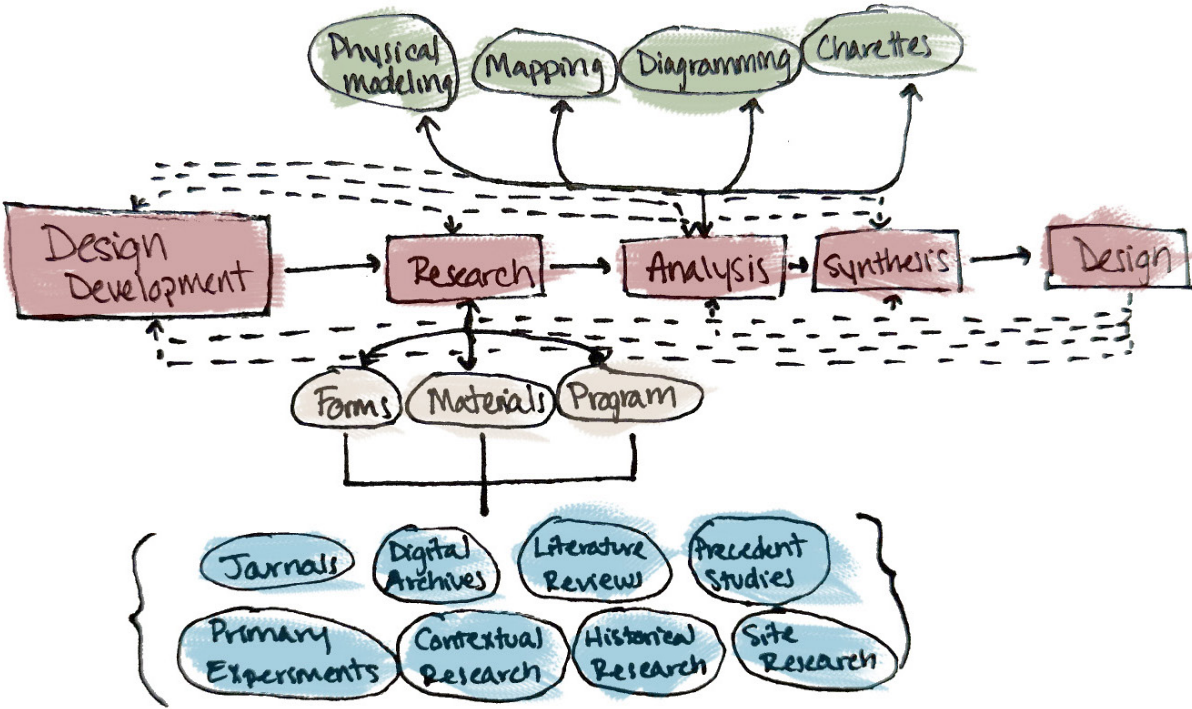
- Collaborated with the Urban Climate Research Center to investigate urban heat patterns and develop innovative solutions for the Phoenix area.
- Led projects with global industry partners, applying research findings to address real-world challenges.
- Actively participated in the field observations team for the Southwest Urban Integrated Field Laboratory, contributing to data collection and analysis.
- Engaged in interdisciplinary discussions to communicate research outcomes and propose actionable strategies for urban climate resilience.

Asst. Dir. of Marketing, Public Relations, & Govt. Affairs | UMH Properties 2019-2021

- Developed and implemented strategic marketing and public relations initiatives to enhance brand visibility and engagement.
- Collaborated with government agencies and community stakeholders to advocate for company interests and support regulatory compliance for manufactured homes.
- Led marketing campaigns across multiple channels, driving growth in property occupancy and revenue.

GINA FAGLIARONE

PORTFOLIO



I am a recent M.Arch graduate, actively pursuing licensure with a commitment to designing ethical and sustainable solutions for the built environment. My thesis, "Regenerative Shelter: Biomaterials and Post-Disaster Humanitarian Housing," earned a thesis prize and reflects my passion for using innovative materials and design solutions to address complex real-world challenges.

Drawing inspiration from architects like Neri Oxman, Shigeru Ban, and Norman Foster, I integrate research into every stage of the design process. My academic background includes dual degrees in Sustainability and Environmental Science, alongside a minor in Economics and a Certificate in Energy Studies. This multidisciplinary approach has equipped me with the skills to merge environmental and social justice with creative, resilient design solutions.

Professionally, I have experience as a lab technician, teaching assistant in sustainable design, and most recently as a Graduate Research Assistant at Arizona State University's Urban Climate Research Center. In this role, I worked to analyze urban heat patterns and develop innovative climate solutions. Now, I am eager to apply my skills and experience by joining a collaborative team of designers who share my values of excellence, community, integrity, and safety.

01. CACOON 6 – 11
adaptive. regenerative. resilient.

02. LŌKAHI 12 – 15
restorative. accessible. collaborative.

03. SANCTUM 16 – 21
tranquil. introspective. rejuvenating.

04. WATERMARK LEARNING CENTER 22 – 27
responsive. engaging. sustainable.

05. UNITYCRAFT 28 – 31
reflective. community-driven. respectful.

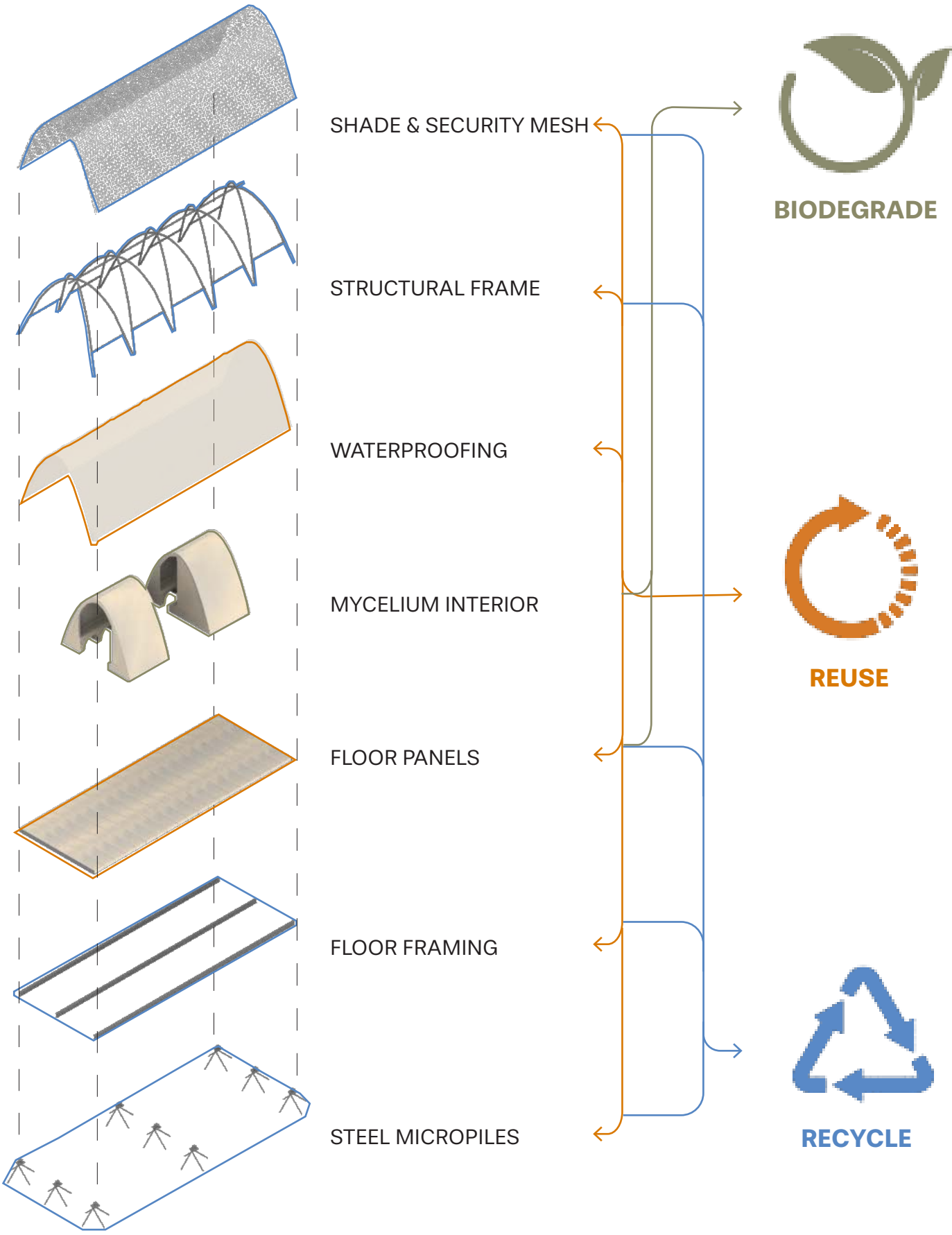
01. CACOON

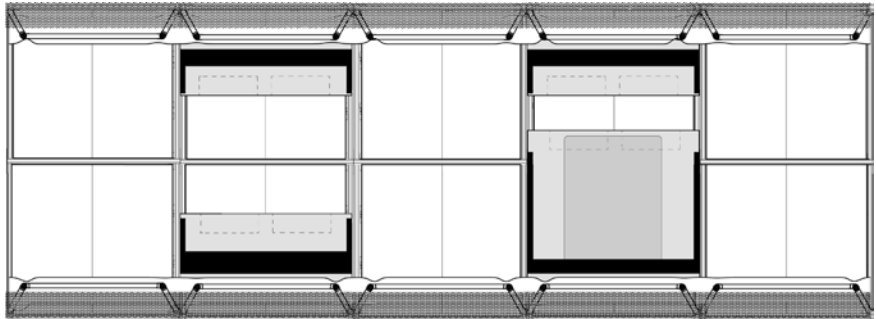
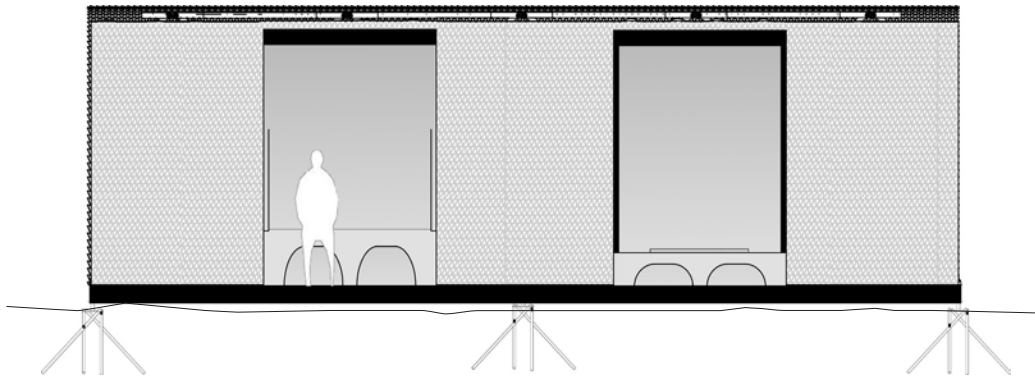
Year: 2023 – 2024
Team: Gina Fagliarone
Design Focus: biomaterials & refugee housing

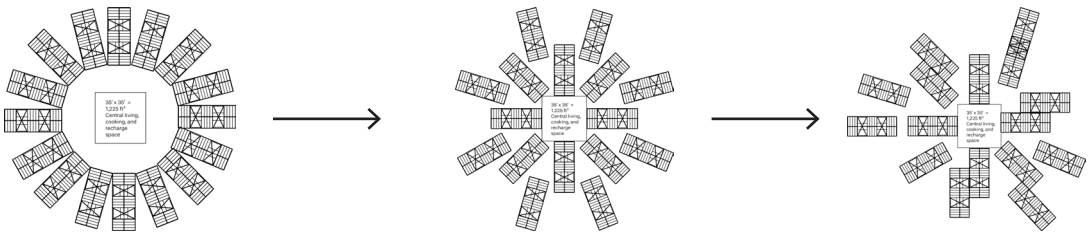
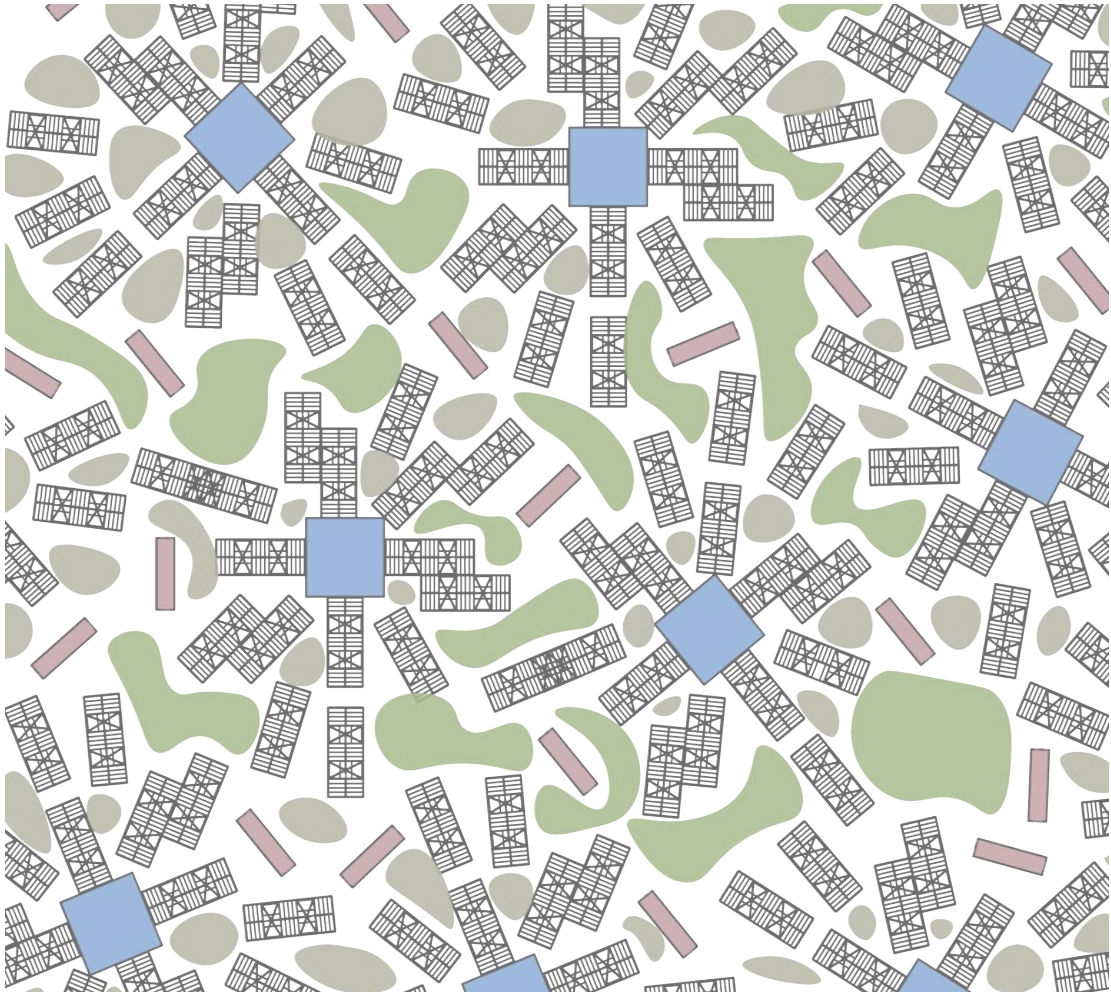
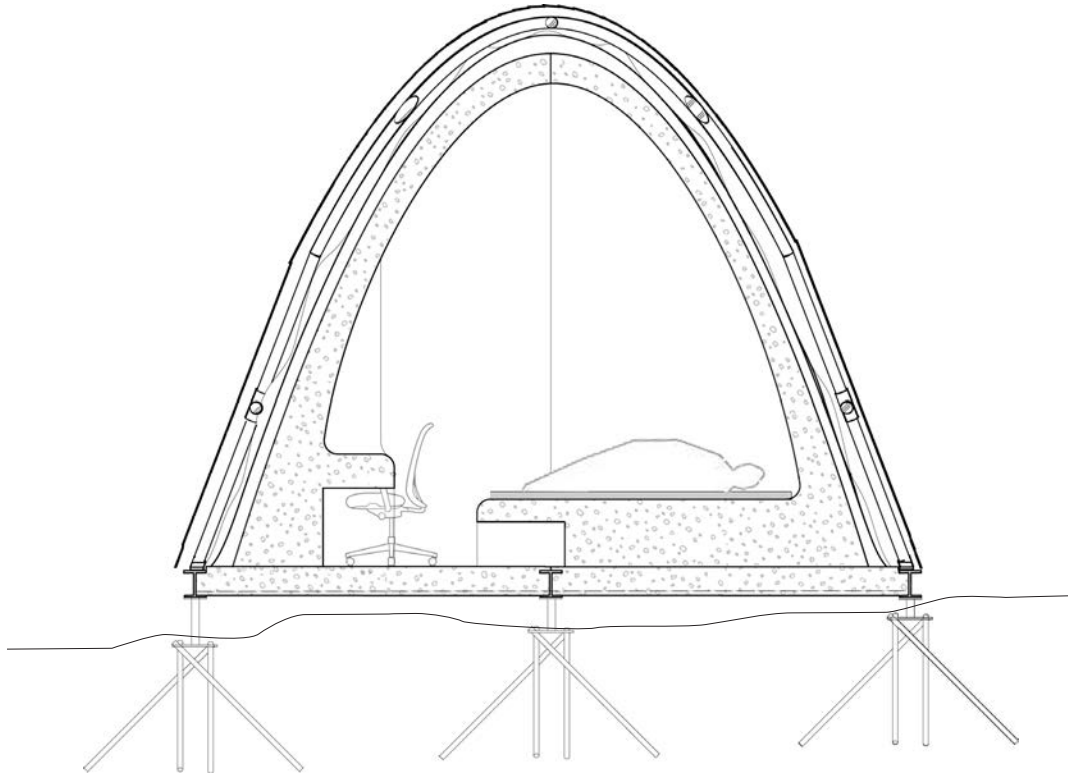
CACOON (Climate Adaptive Configurable Organically Organized Network) is a transitional space designed for reemergence. It features a soft interior containing essential resources, protected by a more rigid exterior, offering safety and comfort for vulnerable refugees affected by environmental or conflict-driven disasters. Once no longer in use, CACOON can be repurposed or returned to the earth, ensuring a closed-loop, regenerative material cycle that benefits both people and the environment.

The design incorporates a series of separate yet layered systems, creating inherently resilient structures. This layering allows for material isolation, making repair, disassembly, and shipping of component parts simple and efficient. Each component can be multifunctional, finding alternative uses in communities with limited resources. If a component is damaged during shipping, it can be easily replaced.

Inspired by the barrel cactus, CACOON's self-shading, protective exterior and soft interior mimic the cactus's natural properties. Its curved form promotes better airflow, serving as a passive cooling strategy optimized for arid climates.







02. LŌKAHI

Year: 2023

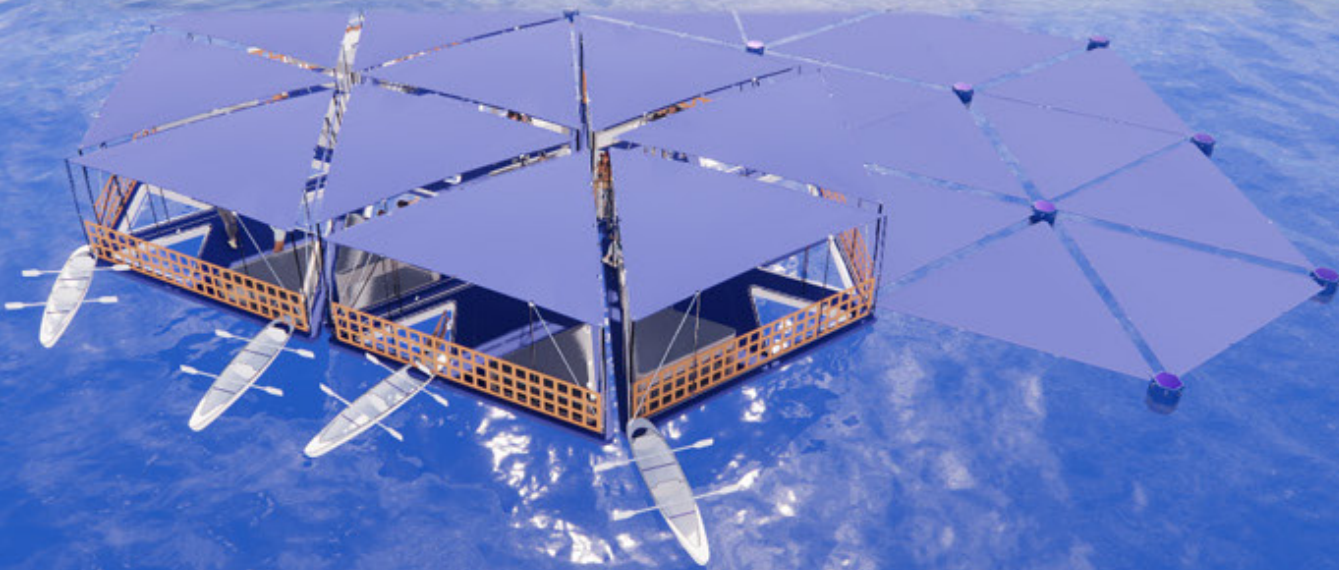
Team: Gina Fagliarone, Joey Werble, Noor Jassal, Aman Jaiswal, Karan Parikh

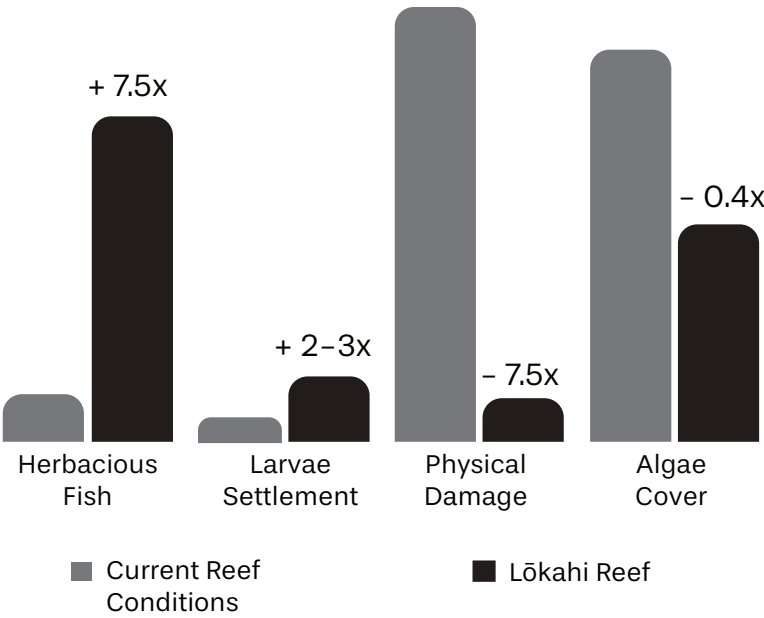
Design Focus: coral restoration and regenerative tourism

Lōkahi is a customizable, scalable, bio-based design deployed over high-risk reefs to offer multiple benefits. It protects reefs from UV exposure and physical contact, suppresses algae growth through shading, provides artificial structures for coral attachment via its anchor design, and uses sound technology to attract coral larvae and herbivorous fish populations.

Coral explorers can view the reefs through glass modules without needing to enter the water, making the Lōkahi experience safer and more accessible than snorkeling for both humans and corals. The floating platforms create a space for visitors to engage with local researchers to learn about ongoing efforts to preserve reef ecosystems.

Lōkahi serves tourists by offering a snorkeling alternative, benefits local communities by protecting vital resources, and supports researchers by providing a boat-free platform for equipment deployment and long-term monitoring.





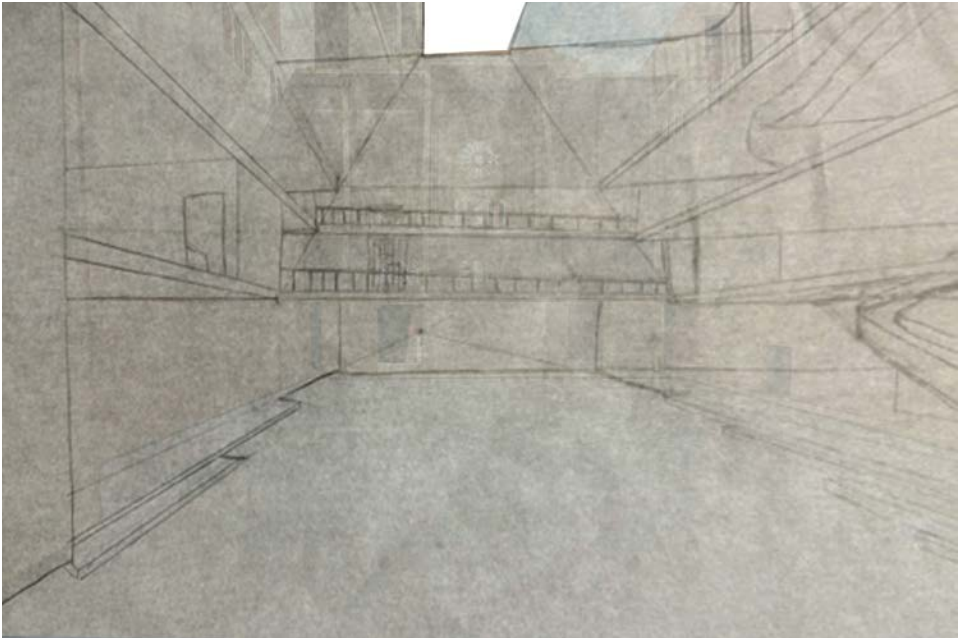
03. SANCTUM

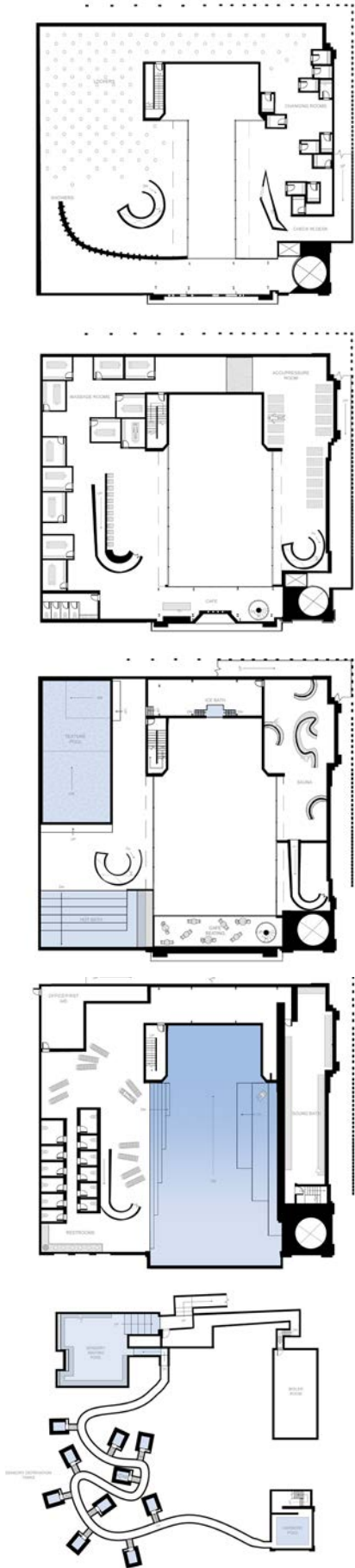
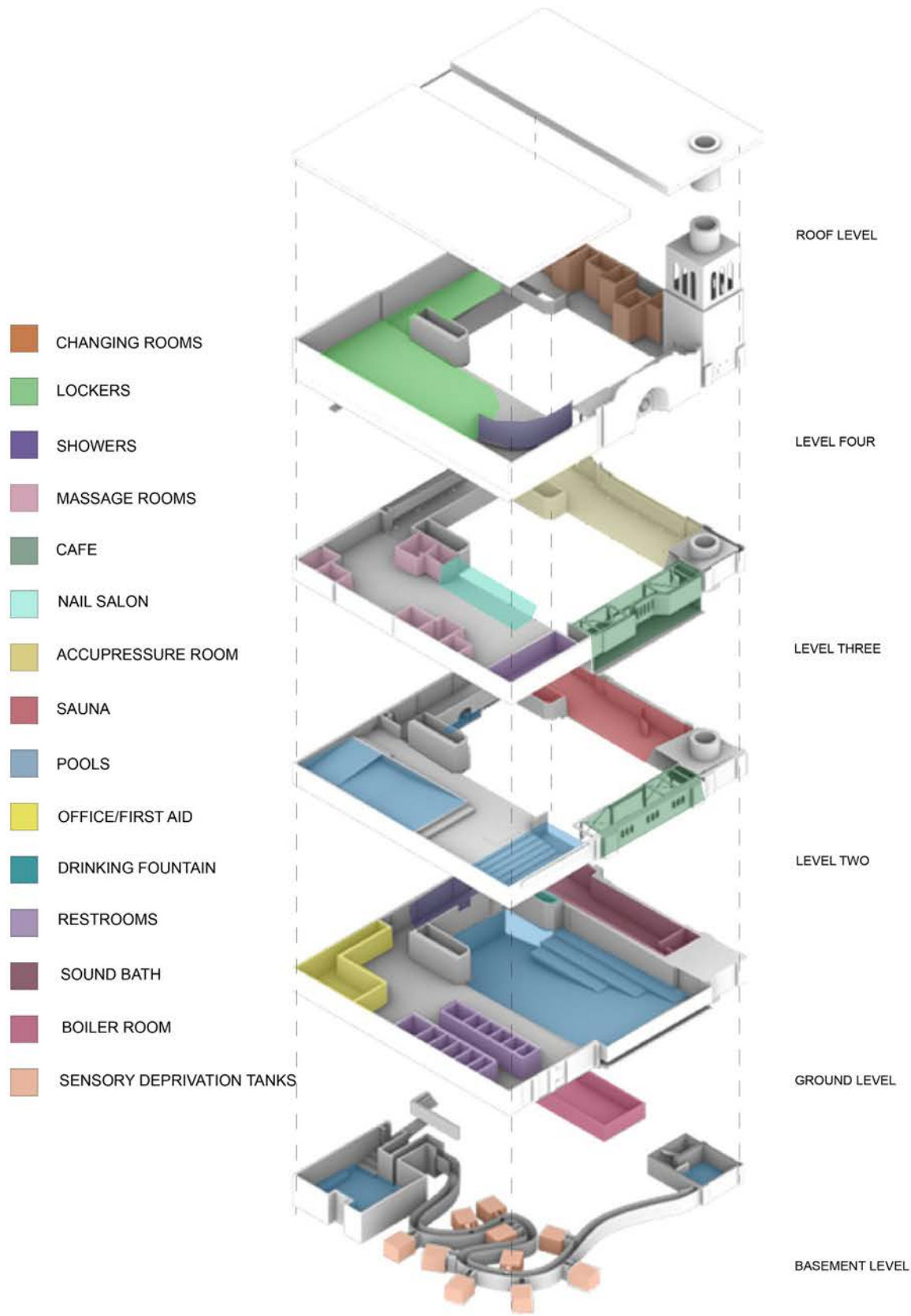
Year: 2022
Team: Gina Fagliarone
Design Focus: adaptive reuse

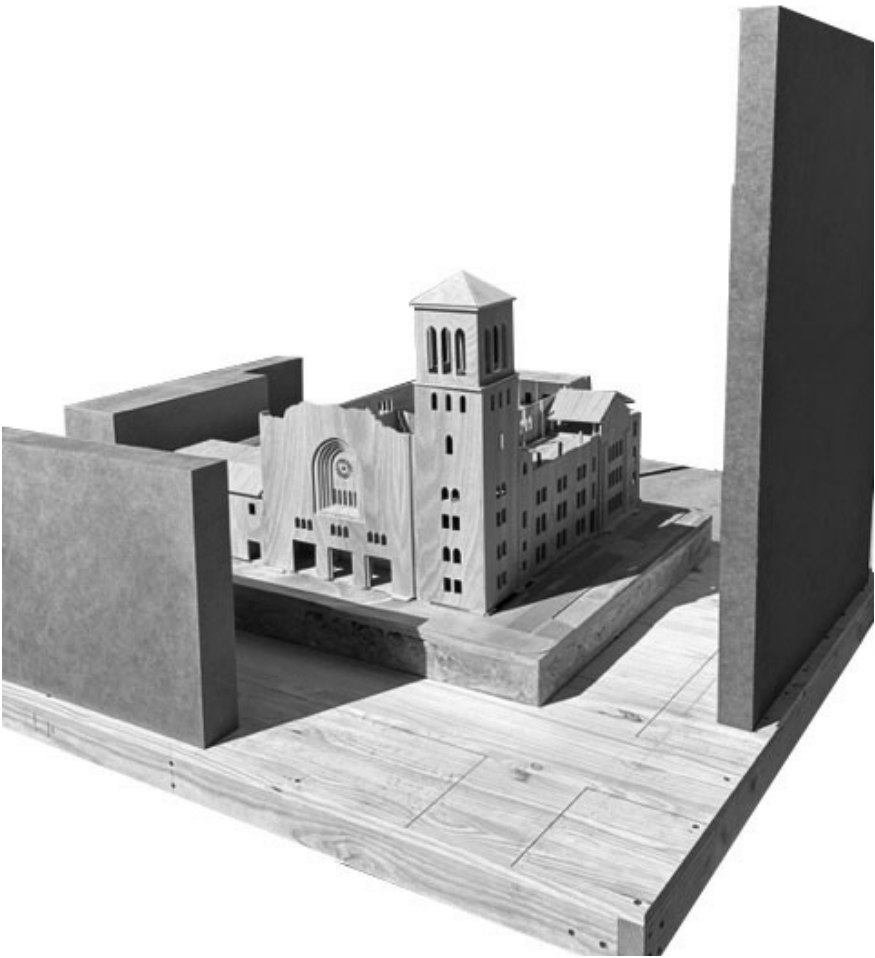
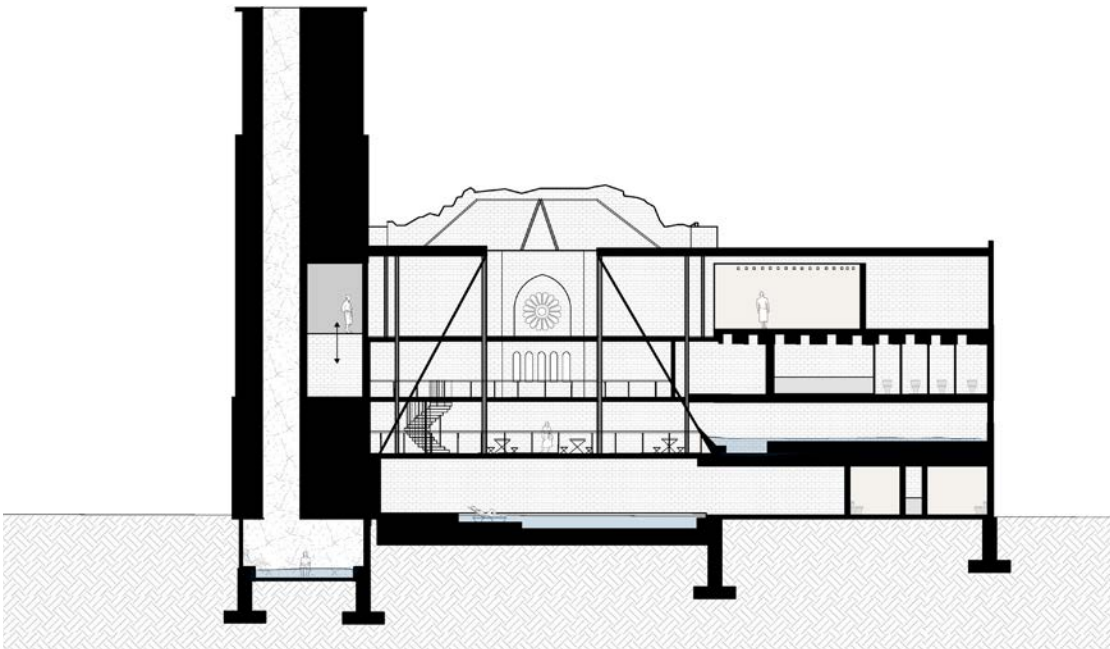
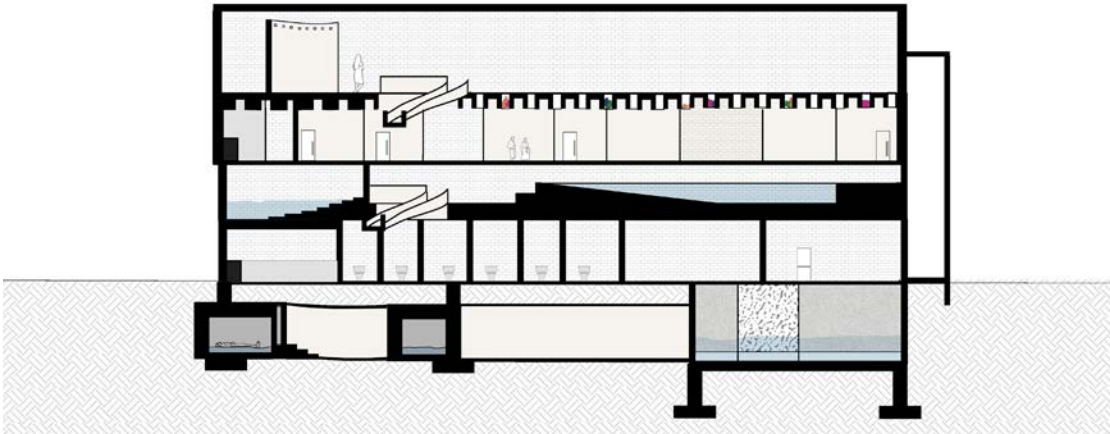
This adaptive reuse project transforms a 48,712 sq. ft. historic church in downtown Phoenix into a modern bathhouse, offering an introspective and tranquil escape in the heart of the city. The design reimagines the traditional bathhouse experience, shifting the focus from social interaction to personal reflection and sensory immersion.

Through a carefully choreographed spatial sequence, visitors are guided on a journey that begins with an elevated approach and arrival, evoking a sense of ascent and anticipation. The design incorporates a corkscrew circulation pattern, allowing users to experience the space in a gradual, layered manner. This spiral movement enhances the sense of discovery and progression, engaging all the senses as users move through varying atmospheres of light, sound, temperature, and texture.

The bathhouse's quiet, inward-focused design contrasts with its urban surroundings, offering a peaceful retreat that encourages mindfulness and self-care. This reinterpretation of the space honors the spiritual roots of the building while creating a modern sanctuary for solitude and rejuvenation in downtown Phoenix.







04. WATERMARK LEARNING CENTER

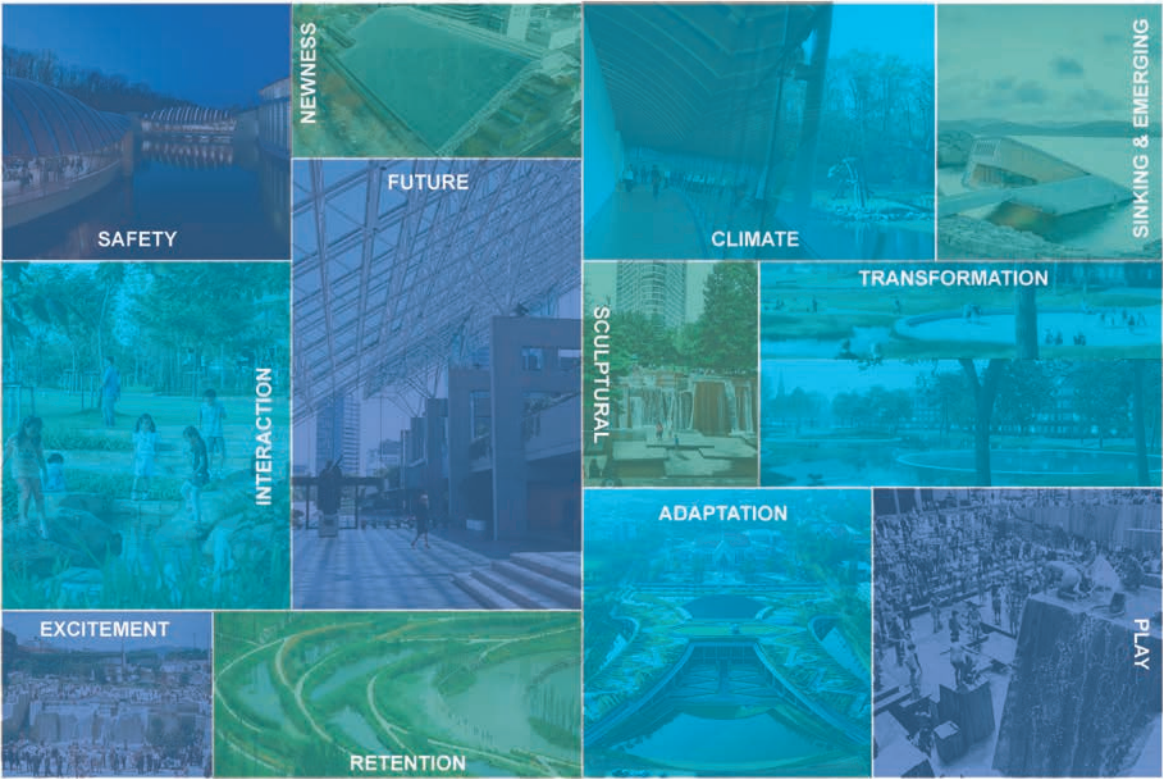
Year: 2023
Team: Gina Fagliarone, Jay Li
Design Focus: educational facility

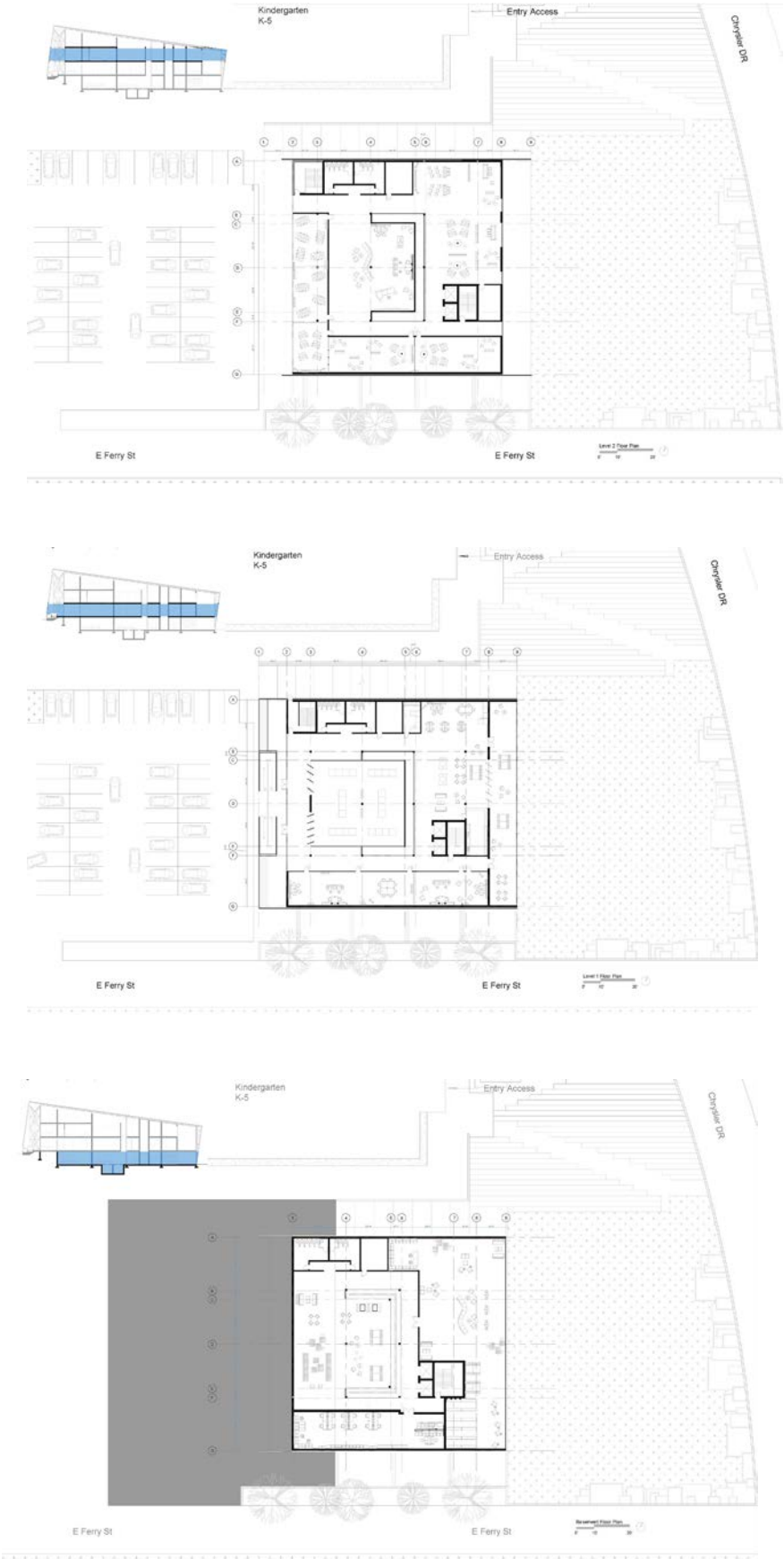
This adult education facility, located on a shared site with an existing primary and middle school, is designed to be a community anchor in Detroit. The project addresses the city's ongoing challenges with urban flooding by reimagining the relationship between people and floodwater—from one of conflict to celebration.

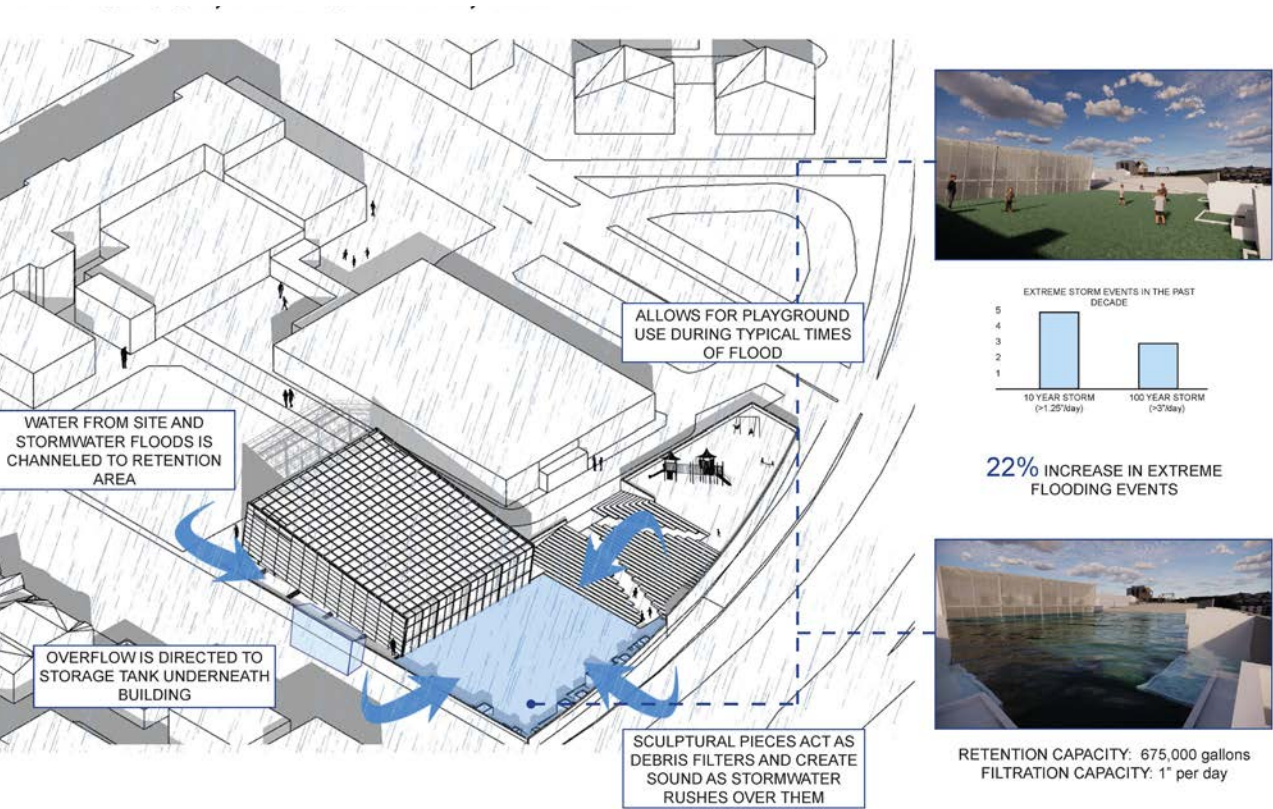
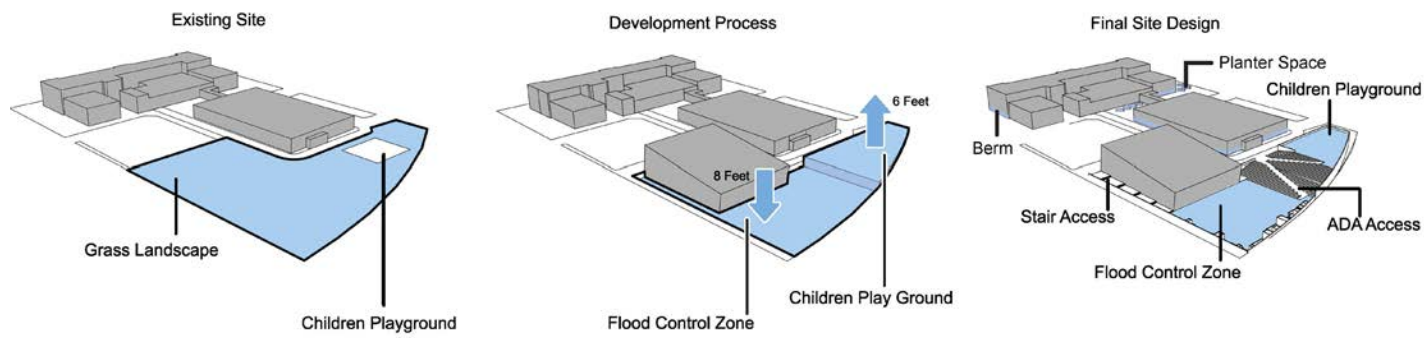
The design integrates water as both a functional and aesthetic element. Sculptural water filters and retention basins are woven throughout the landscape, managing stormwater while creating engaging public spaces. These features not only mitigate flood risks but also transform water into a visible and celebrated resource within the urban environment.

Sustainability is a core focus of the facility, with passive heating and cooling strategies integrated into the architecture. The most prominent feature is a double-glazed roof system with operable louvers, which allows for natural ventilation and light regulation, enhancing energy efficiency. This system, combined with other visible sustainable strategies, serves as an educational tool for the community, promoting environmental stewardship and resilience.

Through its thoughtful design, the facility strengthens the bond between education, sustainability, and community resilience, fostering a deeper connection to both the built environment and the natural systems that sustain it.







05. UNITYCRAFT

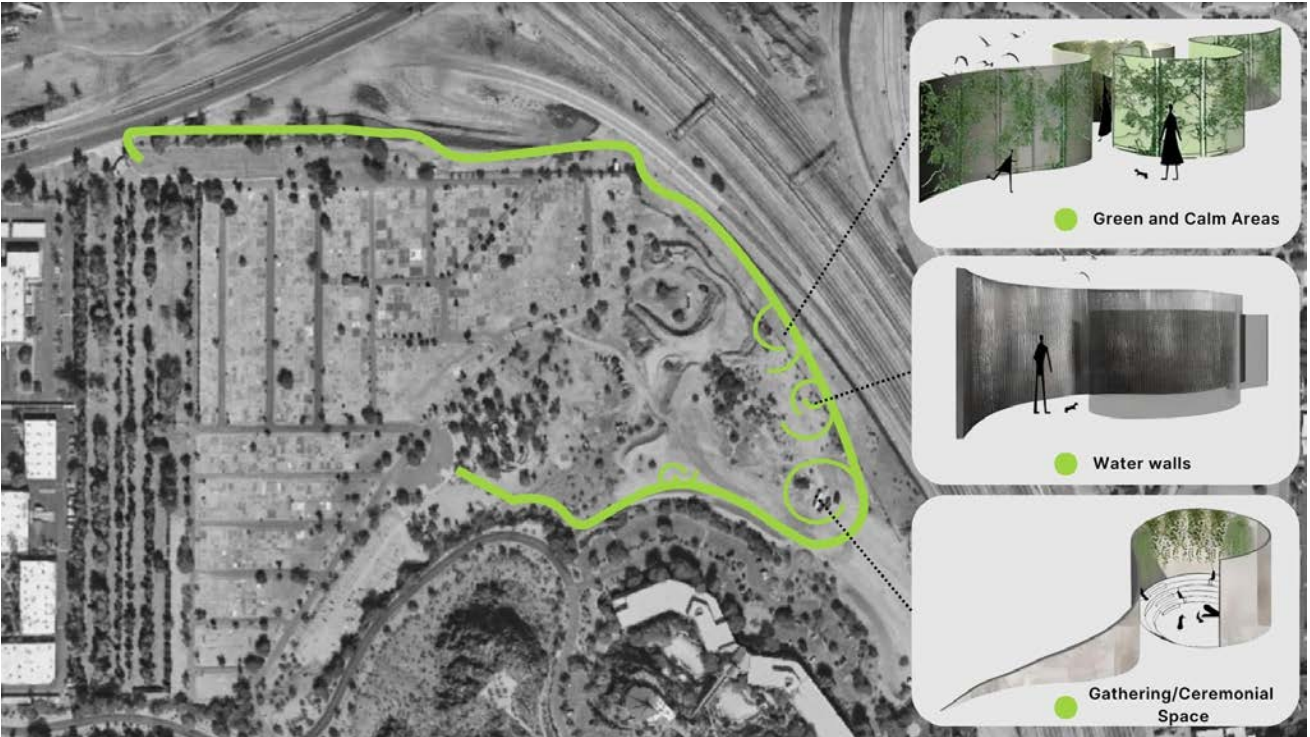
Year: 2023
Team: Gina Fagliarone, Anastasiia Konovalova, Ayah Alkhatib, Phil Leveque
Design Focus: historic cemetery rennovation

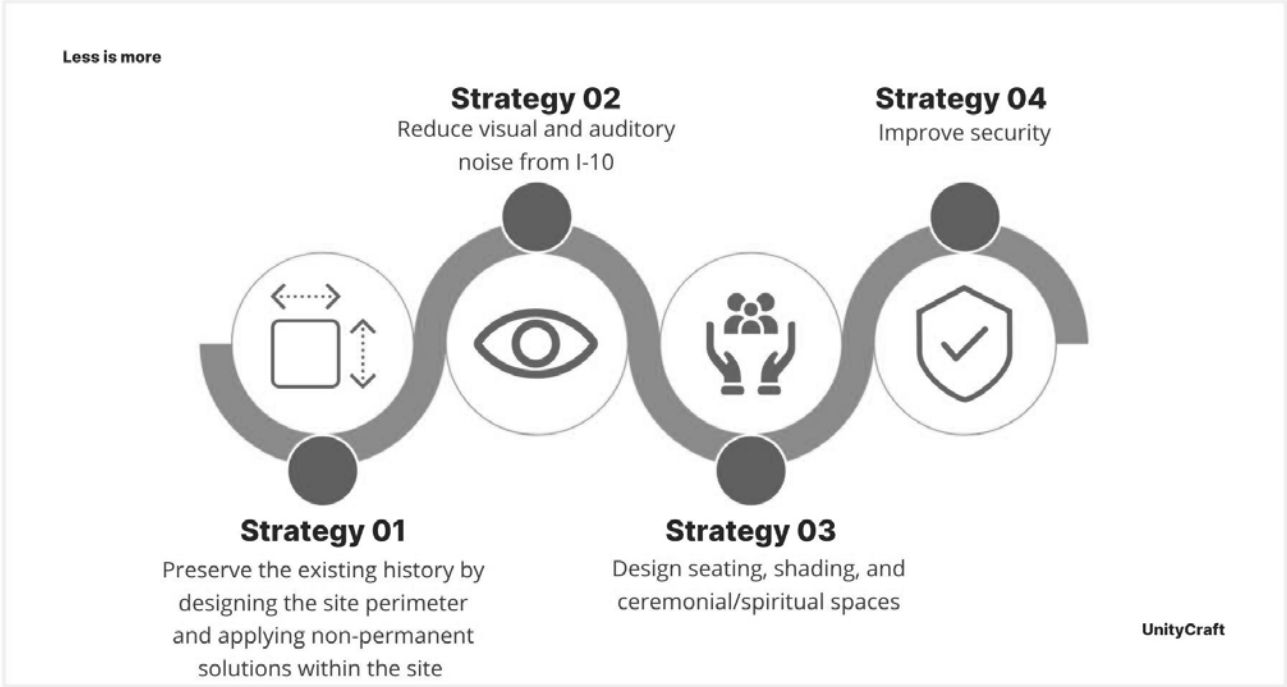
This project was a part of an elective course titled Architecture of Success Empathy: Win Work. Students were placed into groups that were to act as a firm and present a bid proposal to a board that represented our client.

UnityCraft was awarded the historic cemetery renovation project with a proposal that prioritized community-driven design and cost-effective solutions. Our mission is to create spaces that reflect the identity and aspirations of our clients, focusing on resilience for past, present, and future generations.

Our process began by surveying the needs of family members, employees, and visitors to ensure the design met their needs. We proposed a simple raised wall to block noise and visual distractions from the highway, coupled with an elevated walking path where visitors could hang wind chimes—honoring an existing memorial tradition. Additionally, we suggested the creation of a mobile app to provide a historical tour and aid site navigation, enhancing the cemetery's accessibility and engagement.

By balancing thoughtful design with budgetary constraints, our proposal offers a respectful, reflective space that honors the site's history while addressing practical needs.





SURVEY

NAME: _____ DATE OF BIRTH: _____ EMAIL ADDRESS: _____

GENDER: ☐ Male ☐ Female ☐ Not Listed ☐ Prefer Not to Answer

ADDRESS: _____

INSTRUCTIONS:

We value your perspective and invite you to participate in our community-driven survey. Please read each question carefully and provide your honest and thoughtful responses. If you are completing the survey in person, kindly place the form in the bin when you are finished. For those completing the survey online, click Submit to ensure your responses are recorded. Thank you.

QUESTIONS: **ANSWERS:**

RATING SCALE:

How frequently do you visit the cemetery?

How important is the preservation of historical elements within the cemetery to you?

How secure do you feel when visiting the cemetery, considering factors such as lighting, visibility, and overall safety?

How important are amenities like seating, lighting, and landscaping to your overall experience at the cemetery?

How would you rate the cemetery's current level of engagement with the local community?

FILL IN THE BLANK:

How much time do you spend during your visit? _____

What is your connection to the cemetery? (e.g., family member, resident, visitor) _____

Take the survey online at www.futureofdoublebutte.com

UnityCraft

Design Manual

Double Butte Cemetery

Navigation Manual for Shared Memories and Meaningful Spaces

BUILD AN ECOLOGICAL INFRASTRUCTURE

MANAGE ECOSYSTEM SERVICES