Architectural
Designs
2023–2025

Natasha Overn

FIU Architecture
College of Communication, Architecture + The Arts

Natasha Overn

Architectural Portfolio
Graduate Work 2023–2025

NATASHA OVERN

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OverLine Designs

EDUCATION

Master of Architecture
Florida International University (FIU)
Miami, FL
GPA 3.91/4.0

Minor in Mathematics
University of Central Florida
Orlando, FL
GPA 3.7/4.0

Pre-requisite courses for Master of Architecture
Valencia College
Orlando, FL
GPA 4.0/4.0

Associates in Arts Degree (Dual Enrollment)
College Academy at Broward College
Davie,FL
GPA 5.3/5.0

WORK EXPERIENCE

Architectural Intern
CPH inc. Architecture and Engineering Firm
Miami, FL
August 2023- Present

- Aided Senior Architects- Ilker Uzun and Brandan Decaro- on various Walmart, Munipical buildings, and Community park projects using Revit and Autocad to create construcution documents.

Architectural Intern
CPH inc. Architecture and Engineering Firm
Sanford,FL
May 2022-June2022

- Assisted Brook Sherrard in a design-build project for the Florida School of the Deaf and Blind (FSBD) in St. Augustine
- Supported the firm's vice president and principal architect (Brook Sherrard) on various Chick-fil-A, and Walmart project's creating designs using Revit, adding in necessary equipment, and creating material templates on Photoshop

Tax Recorder (Remote)
AT Plus Miami
December 2023- March 2023

- Record clients taxes using QuickBooks
- Compute accurate bank statements for tax purposes

RESEARCH EXPERIENCE

Graduate Research Assistant under Professor Alice Gray Read
Department of Architecture, FIU
Jan 2023- May 2023

- Research about the history of Coconut Grove, FL (specifically Grand Avenue in the 1950s) to preserve the Bahamian identity in West Grove
- Collaborate and coordinate with faculty, fellow graduate students, and Coconut Grove locals to develop visualizations and record findings to create a digital walkthrough of of the infrastructure and portray cultural identity of what the Grove used to look like

MASTER'S OF ARCHITECTURE (MArch) THESIS EXPERIENCE

School of Architecture Practice (SOAP), Jaime Canaves, in Cordination with Bermello Ajamil & Partners Inc.

Collaborated with Bermello Ajami Partners Inc. under the guidance of Professor Jaime Canaves for Master's thesis project. Worked alongside licensed architects, including Willy A. Bermello (Principal), Jorge Ferrer (Director of Architecture), Alfredo Sanchez (Architect), and Daisy Fernandez (Senior Architectural Designer), who provided expert consultation and insights in the development of the thesis project.

HONORABLE SOCIETIES

- Sigma Xi Chapter of the Tau Sigma Delta National Honor Society for Architecture and the Allied Arts, FIU
  Ranked top 20% academically amungst graduating class
- American Institute of Architecture Students (AIAS) member, Valencia College
- Co-founder and Treasurer of first UNICEF Chapter, Broward College

STUDY ABROAD

- Berlin & Portugal - Design studio 7 — May 2023
- Tokyo, Japan- Design studio 10 — May 2024

AWARDS

Accessory Dwelling Unit (ADU) Competition
The Miami Center for Architecture and Design (MCAD)
Honorable Winner: FIU Student Team
Partners: Natalie Overn & Luis Rodriguez
2024

Archiol: Yearning to Breathe
Biophillic Housing
International Design Competition
Shortlist Winner
2023

SKILLS

AUTODESK Revit · AUTODESK AutoCAD · Rhinoceros · Ps · Ai · Id

KA HALE KAMELEONA (The Chameleon House) is an urban-housing project inspired by the biology of the Veiled Chameleon. The home was designed for a couple who are scientists that study this beautiful speices.

PROJECT OBRIVIDA a comprehensive retrofit initiative, that emphasizes sustainability through a thoughtful redesign of the existing building's façade and a revitalization of the surrounding park.

THE RENEWED RESIDENCE is an Accessory Dwelling Unit created for a couple over the age of 50 focused on sustainability and caters to functionality, while framing views of the surrounding environment.

THE BRICK & BREW composed of a café, four apartments, and a carriage house. The perforated brick was used as a means of privacy in hopes to still optimize natural lighting for infill housing.

THE LANGSTON HUGHES LITERACY CENTER emphasizes the dynamic relationship between its architecture and the human experiences it nurtures. By considering New York's seasonal variations, the design ensures that the center remains vibrant and inviting throughout the year.

OCTO-IKE is a miminalistic rural housing design for a couple and their daughter. It is designed with the intent to be fully immersed in nature and where functionally meets simplicity.

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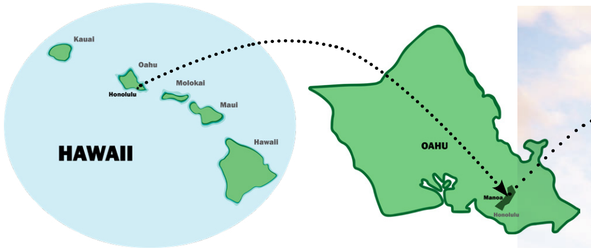
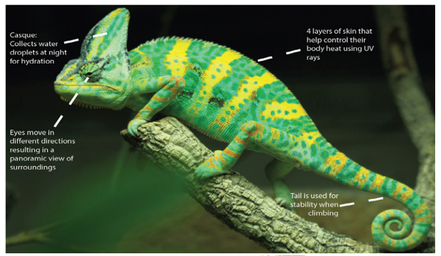
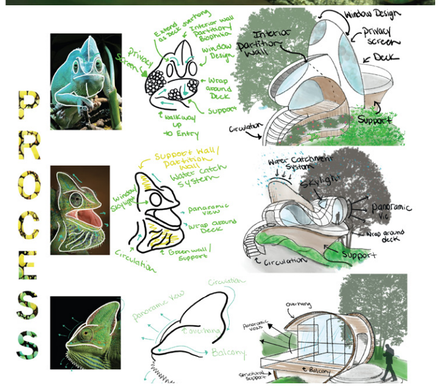
Ka Hale Kameleona (The Chameleon House) is an urban-housing project inspired by the biology of the Veiled Chameleon. The home is in Manoa Hawaii, which is on the outskirts of Honolulu, Oahu, the biggest urban city in Hawaii. The area receives little rainwater and harsh UV rays throughout the day and the design takes advantage of these instances. This site was chosen because the veiled chameleon is native to the area.

Focusing on the Veiled chameleon's skin, eyes, and means of hydration, these features are centered around the design's color-changing façade, 180-degree views from every space, and water catchment and vertical planting system, ensuring a design of both biophilic and sustainable means. The home is effective in how it interacts with outside circumstances i.e., collecting rainwater and reading UV radiation. It becomes user friendly as the electrochromatic glass moves with the individual in the home, but also creates an indication of when the UV ray can be harmful for us. Each subspace is separated by a movement of vertical circulation, or a branching system, like how the chameleon lives, so that the couple that resides here can extensively understand how it lives in nature.

At first glance your eyes go to the statement piece which is the replication of the chameleon Casque. The Casque helps chameleons collect water droplets at night. Understanding what the project was inspired by you understand what that statement piece is. Growing up, I've always been intrigued by the chameleon, but diving deeper into the species makes me value it more. I appreciated my progression with this design and will refer to it when doing future projects. We can take a lot of inspiration from nature and natural phenomena, as architects we have a responsibility to recognize this when designing architecture in a biophilic matter.



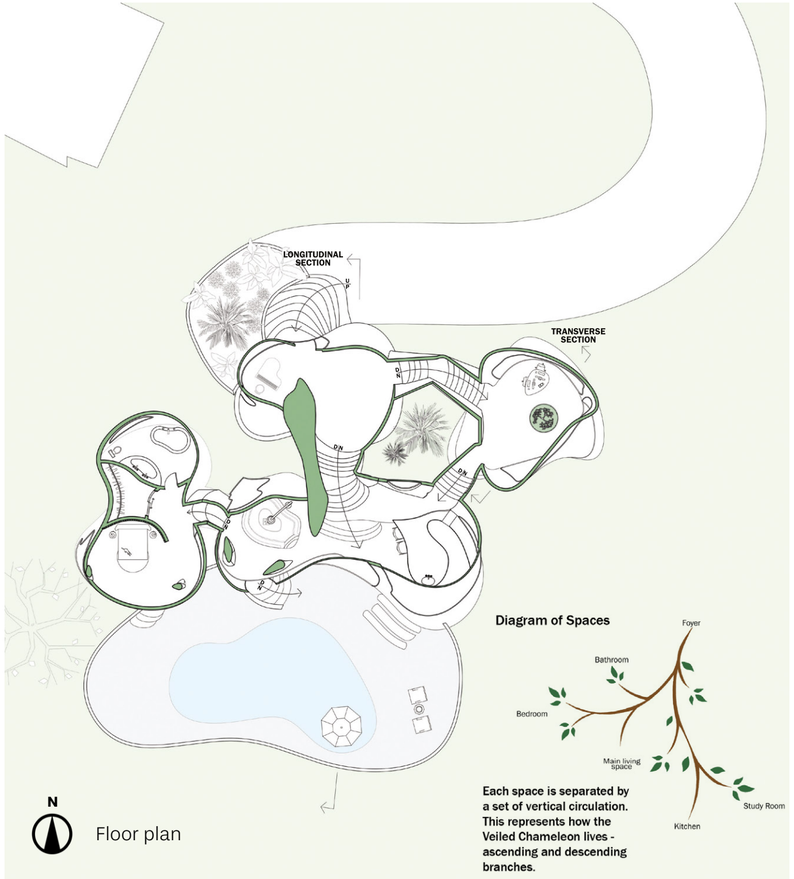


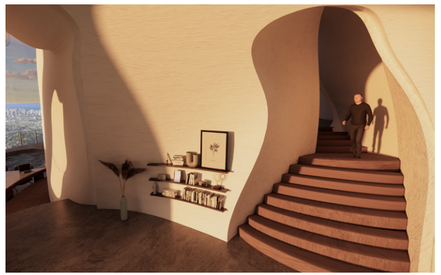


Ka Hale Kameleona

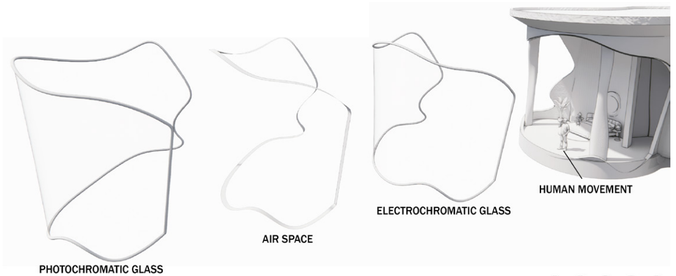
A home for a couple who study the population of Veiled Chameleons that reside in Manoa, Honolulu, Hawaii. The design was inspried by several of the Veiled Chameleon's biological features.

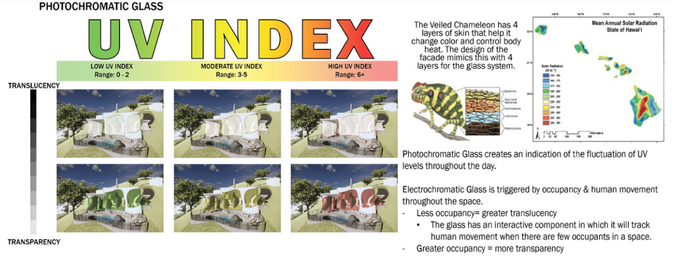
Archiol
Yearning to Breathe Competition 2023
Biophiliic Housing
Shortlist Winner





Glass Facade System



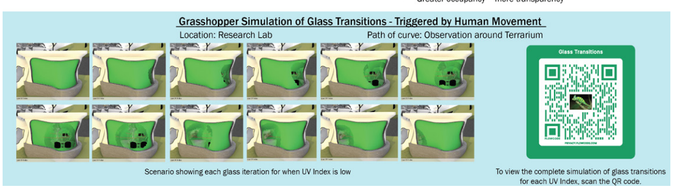


The Veiled Chameleon has 4 layers of skin that help it change color and control body heat. The design of the facade mimics this with 4 layers for the glass system.

Photochromatic Glass creates an indication of the fluctuation of UV levels throughout the day.

Electrochromatic Glass is triggered by occupancy & human movement throughout the space.

- Less occupancy= greater translucency
  - The glass has an interactive component in which it will track human movement when there are few occupants in a space.
- Greater occupancy = more transparency

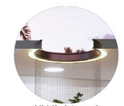


Site Model

Research Lab with Indoor Terrarium

Study Model of the Exterior Form

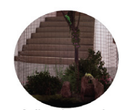
Study Model of the Interiors



UV light and Skylight

Screen

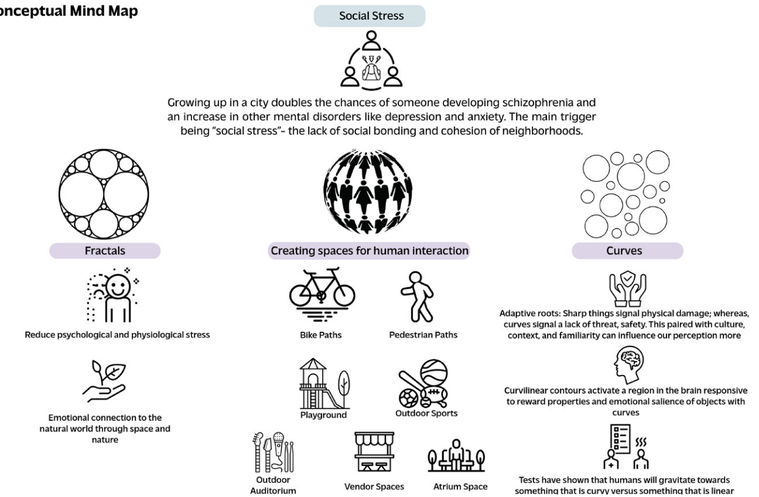
Branches for climbing

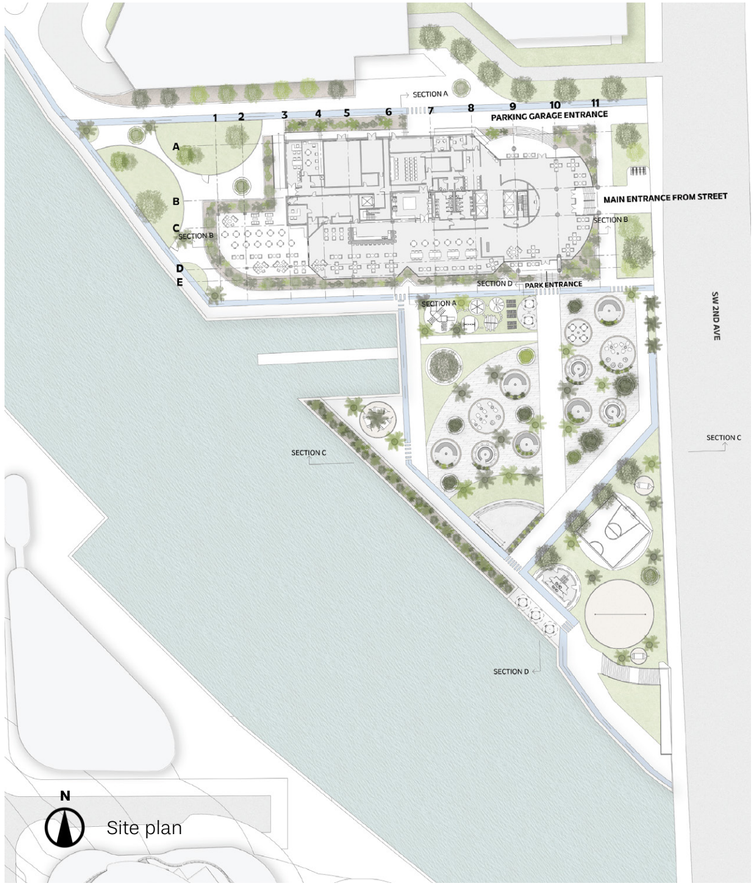


Soil and ground cover for added moisture and soft landing

Project Obrivida is a comprehensive retrofit initiative located along the Miami River at 444 SW 2nd Ave, 4th Floor, Miami, FL 33130. This project emphasizes sustainability through a thoughtful redesign of the existing building's façade and a revitalization of the surrounding park. Extensive environmental studies were conducted to inform strategies for transforming the property into an environmentally conscious space that fosters both ecological responsibility and community engagement. The design preserves the core elements of the City of Miami's building department's existing programs, refining and enhancing them to align with contemporary needs. The park, in particular, has been reimagined as a vibrant social hub, fostering greater interaction and serving as a venue for community events, thus enriching the local cultural fabric.

Conceptual Mind Map

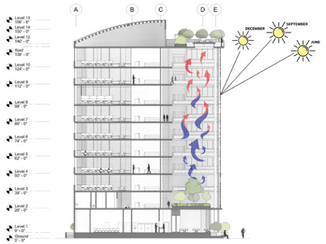




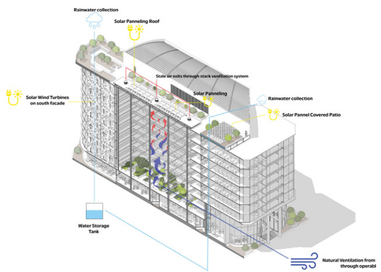
Site plan

2nd Floor plan
Scale: 1/32 = 1'-0"

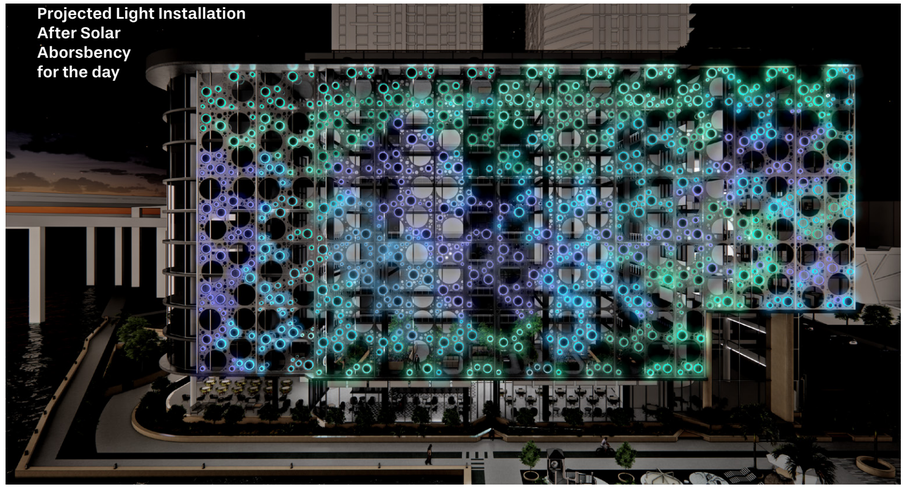
8th Floor plan
Scale: 1/32 = 1'-0"

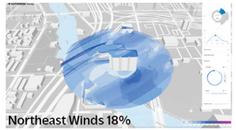


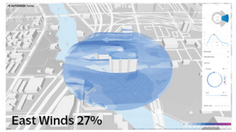
Section A
Scale: 1/16 = 1'-0"

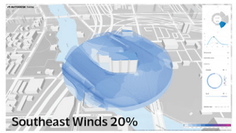


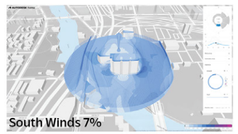
Section B Perspective
NTS





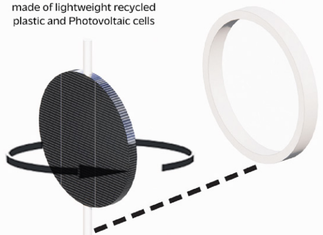






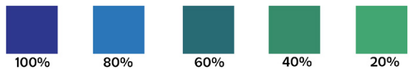
Solar Wind Turbine:
made of lightweight recycled plastic and Photovoltaic cells

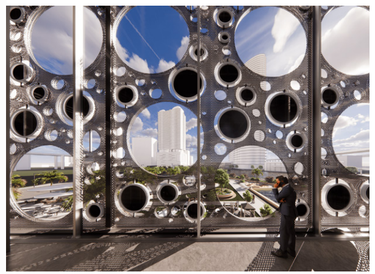
LED Frame:
Solar-absorption LED sensored Frame



Solar Wind Turbine Detail

Solar Absorbency LED Color

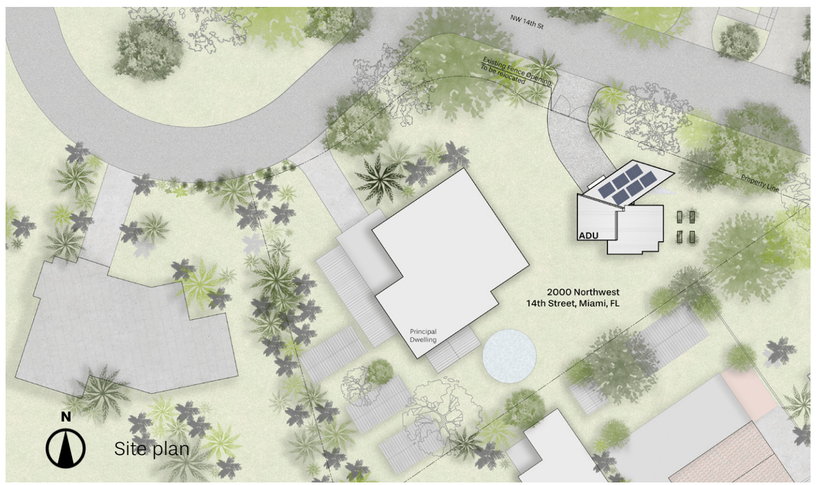




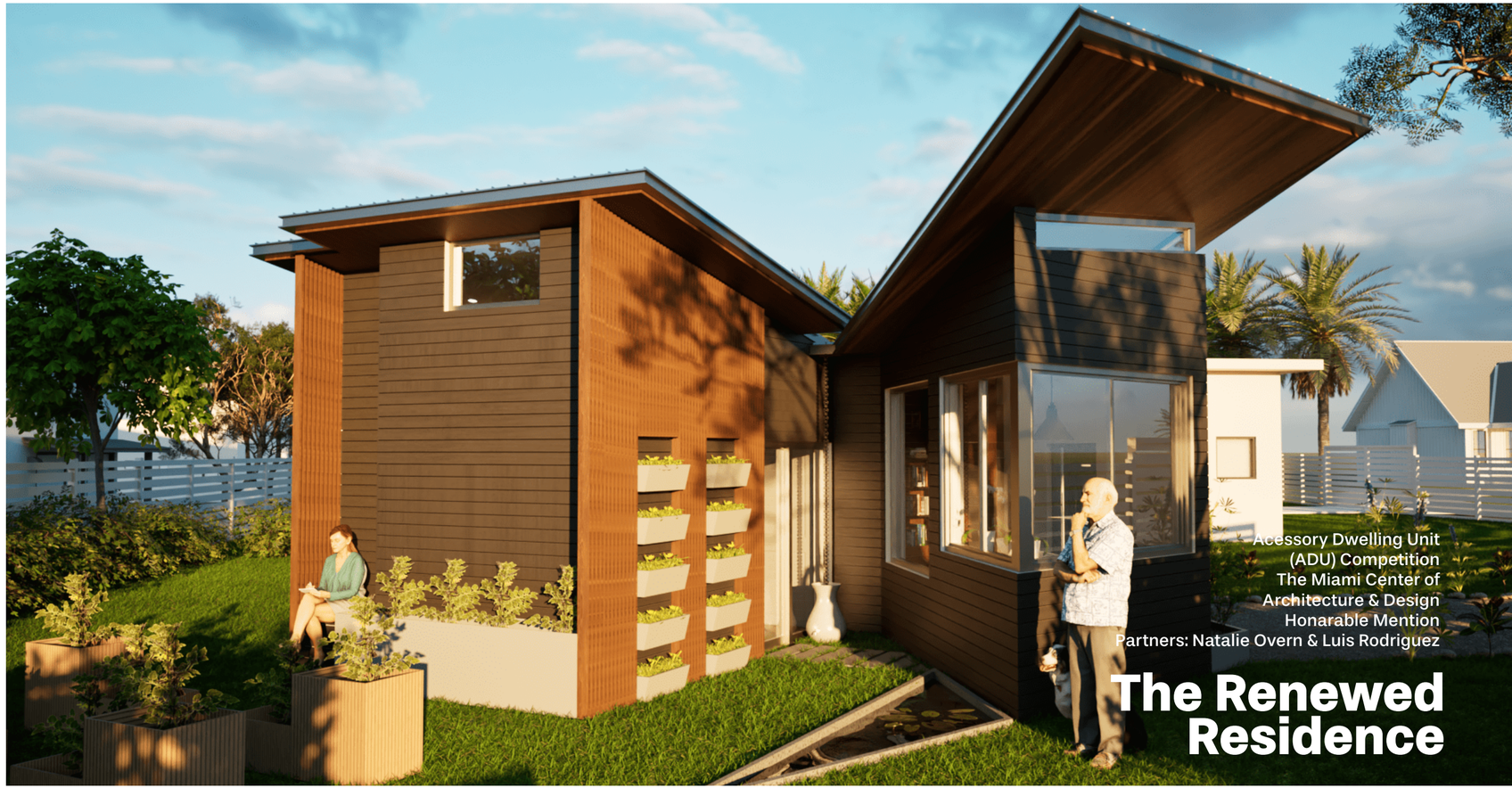
Located at 2000 NW 14th Street, this neighborhood offers a serene and homely atmosphere, perfectly suited for our target demographic. Our design is rooted in sustainability, driven by the question: how can we create an environment that works for us and remains sustainable? By embracing the sharp angles of our site, we devised a layout that addresses these challenges head-on.

The Renewed Reisidence is an Accessory Dwelling Unit created for a couple over the age of 50. Our design includes a dining nook, reading bench, kitchen, bedroom, bathroom, a courtyard, and gardening space. A key theme of this design is integrated furniture. At the main entrance, a small sofa with a louver shading system welcomes the couple as they step inside, greeted by abundant natural light filtering through a built-in reading bench and dining nook. The built-in dining nook can open to the outdoors, inviting cool breezes and showcasing the existing greenery on the site. The kitchen boasts a sleek design with hidden fixtures, a window behind the counter top for natural light, and a small window near the front door to see when someone is approaching. Overall, the ADU encompasses 397 square feet: 377 square feet within the exterior walls, plus an additional 20 square feet for an exterior slab at the front entrance.

Adjacent to our courtyard, a reflection pond absorbs heat from the surrounding air, creating a cooling effect similar to the way sweating cools the body. The pond also generates a microclimate, where the cooler, more humid air helps reduce temperatures in nearby areas, especially in urban settings where heat tends to get trapped by buildings and pavements. The exterior materials selected also play a significant role in sustainability, such as horizontal and vertical paneling, garden beds, and front louver paneling. These materials also reduce carbon footprint by minimizing waste and conserving energy.

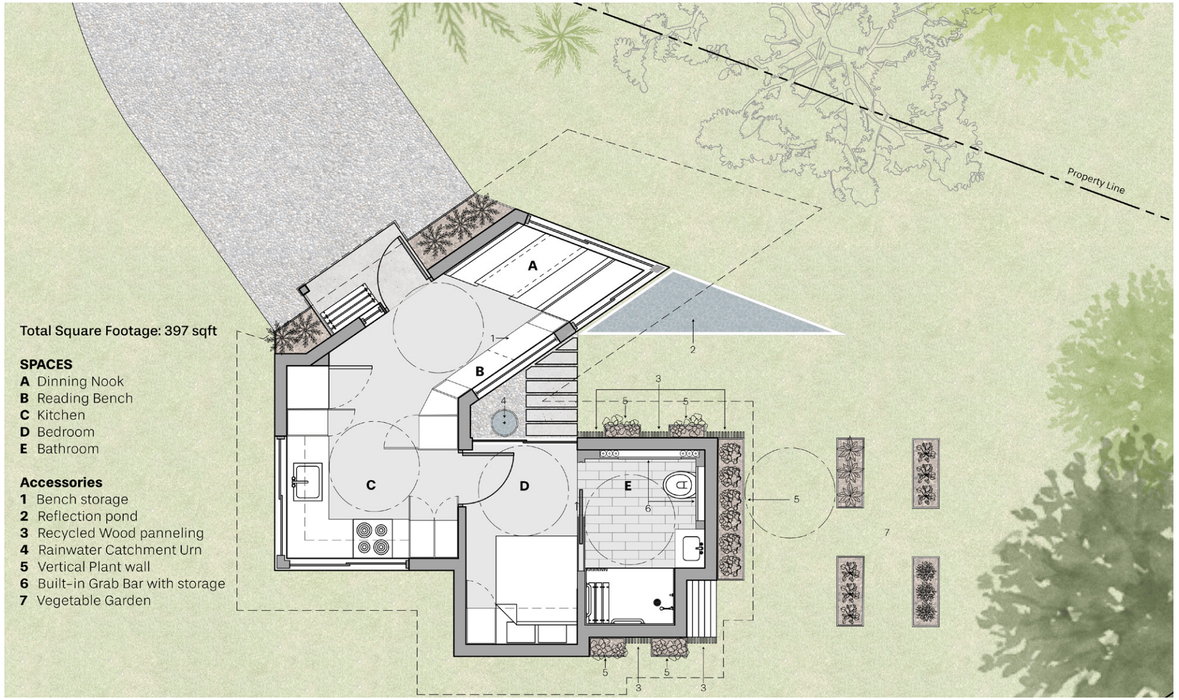


Site plan



Accessory Dwelling Unit (ADU) Competition
The Miami Center of Architecture & Design
Honarable Mention
Partners: Natalie Overn & Luis Rodriguez

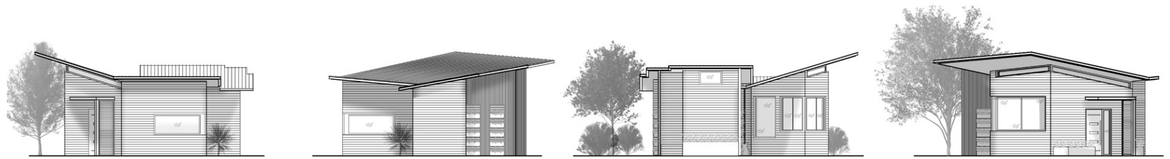
The Renewed Residence



Total Square Footage: 397 sqft

SPACES
- **A** Dinning Nook
- **B** Reading Bench
- **C** Kitchen
- **D** Bedroom
- **E** Bathroom

Accessories
- **1** Bench storage
- **2** Reflection pond
- **3** Recycled Wood panneling
- **4** Rainwater Catchment Urn
- **5** Vertical Plant wall
- **6** Built-in Grab Bar with storage
- **7** Vegetable Garden



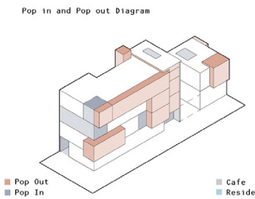
The Savannah Infill housing design is composed of a café, 4 apartments, and a carriage house. The cafe is situated on the first and part of the second floor. A one-bedroom unit is located on the second floor, the two-bedroom unit on the third level, and the fourth level is shared between the 2nd one bedroom and the studio units.

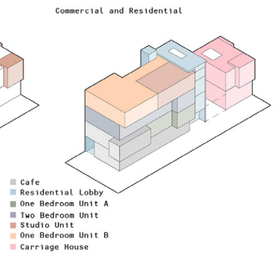
During site analysis, it was observed that Jones St. is a primary street, and Abercorn St. is a secondary street. Jones st. also has parallel parking down it, so I knew I needed to place a residential entrance on both streets. Both receive vehicle and foot traffic. The entrances are signified with a pop in. The other pop ins became balconies to stay within the zoning regulations. The pop outs were used to create these larger moments. Specifically, one for the café, and another for the residential lobby. You will notice that the café pop out and balcony starts to wrap around the corner of the structure.

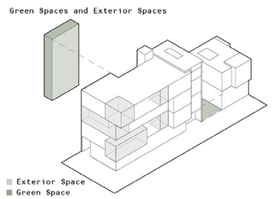
The perforated brick was used as a means of privacy. Wanting to take advantage of natural lighting, I knew I was going to include a lot of floor to ceiling windows. To prevent the apartments from being seen into easily, the perforated brick acts as a screen of privacy without limiting the intake of natural lighting.

Site Plot

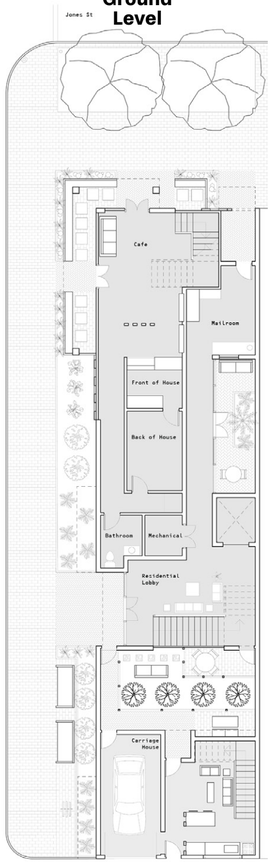
Conceptual Diagrams



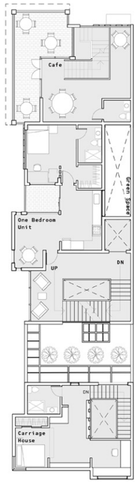




Ground Level



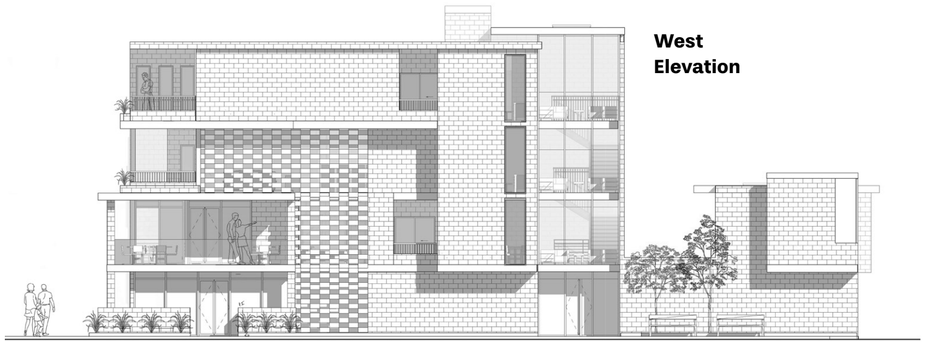
Level 2



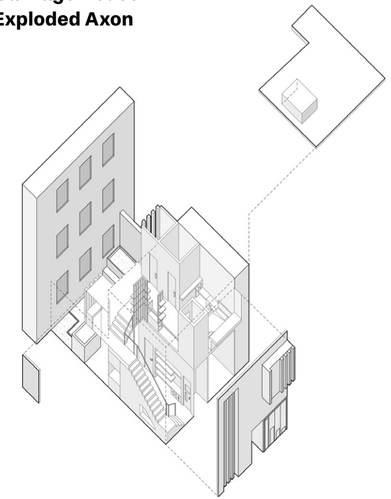
Level 3

Level 4

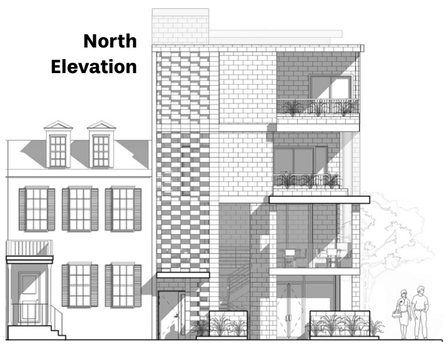
West Elevation



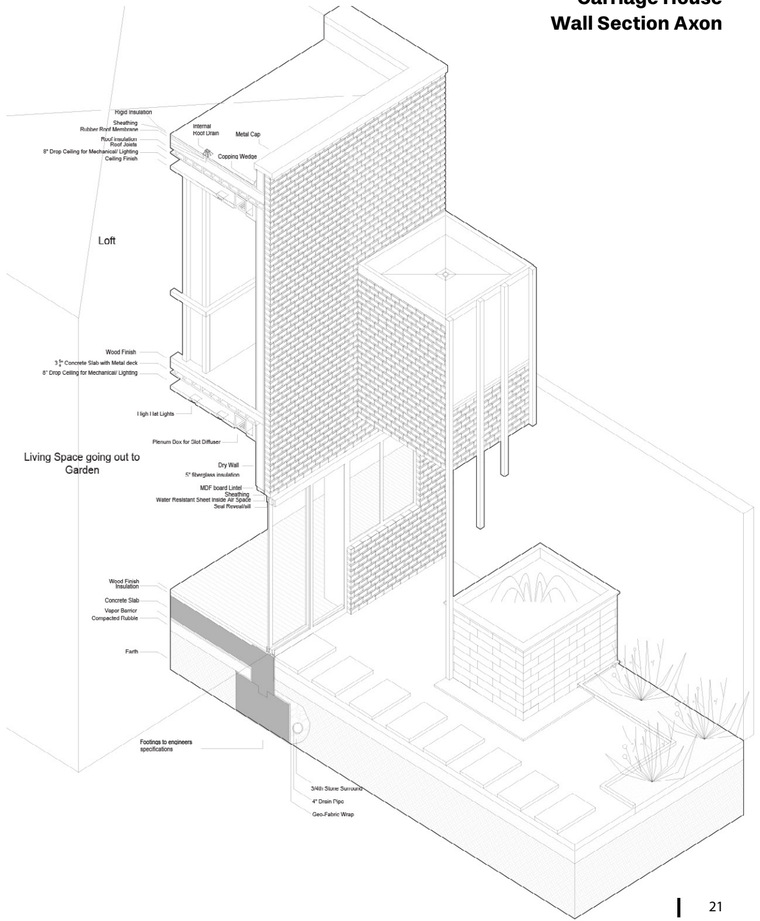
Carriage House Exploded Axon



North Elevation



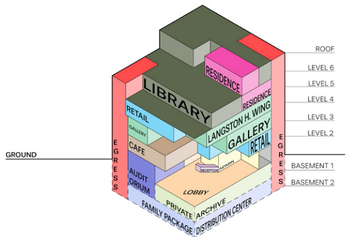
Carriage House Wall Section Axon



The Langston Hughes Literacy Center emphasizes the dynamic relationship between its architecture and the human experiences it nurtures. By considering New York's seasonal variations, the design ensures that the center remains vibrant and inviting throughout the year. The facade was solely meant to be this threshold that envelopes the programs and activities protecting them from New York's environment.

Once inside, the open layout promotes interaction and engagement, with sightlines that allow users to connect with other spaces within the center. This visual connectivity enhances the sense of community and encourages exploration. The thoughtful circulation routes guide visitors through diverse areas, fostering discovery and interaction.

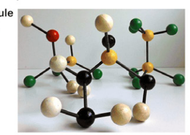
Positioned above the atrium, the library offers a tranquil retreat, providing an elevated perspective of Harlem while still maintaining a sense of connection to the bustling activities below. This layered design not only enhances privacy but also enriches the overall experience of the center, ensuring it remains a lively hub regardless of the season or time of day.

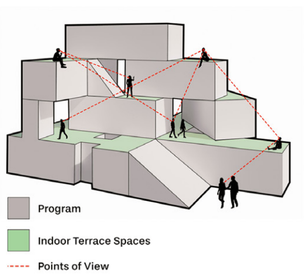


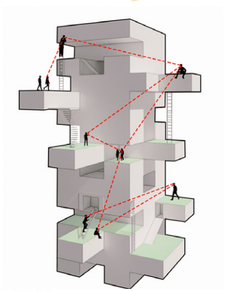
Legos

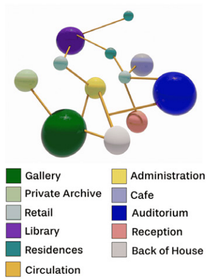
Jenga Blocks

Molecule Model

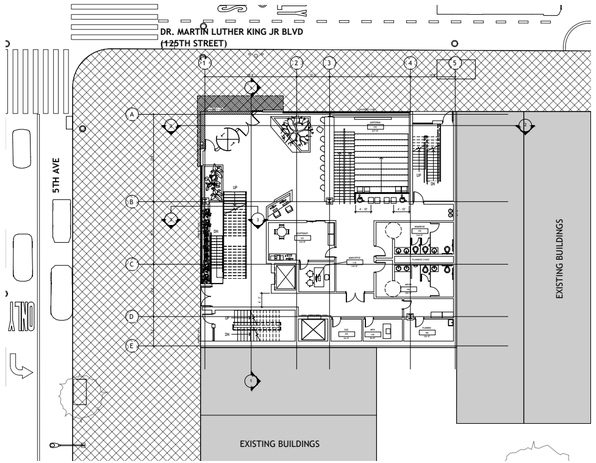








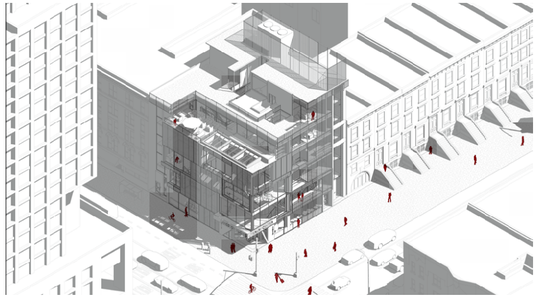
The Langston Hughes Literacy Center

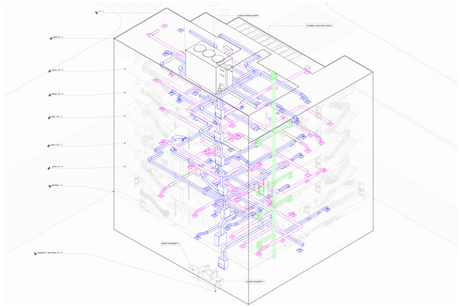

DR. MARTIN LUTHER KING JR BLVD
(125TH STREET)
5TH AVE
EXISTING BUILDINGS
EXISTING BUILDINGS

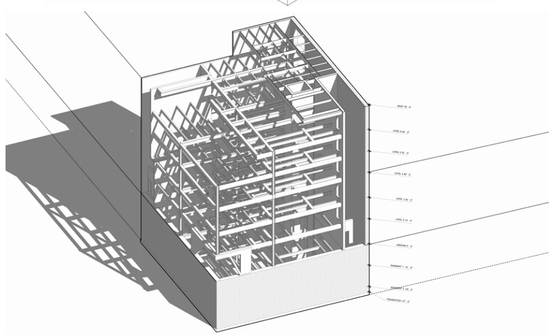

LANGSTON HUGHES
LITERARY CENTER

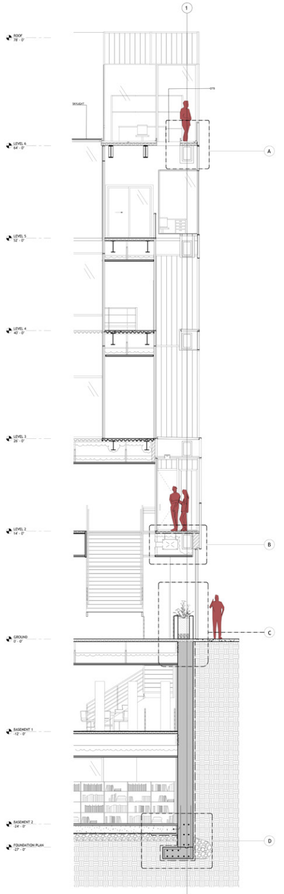

LANGSTON HUGHES

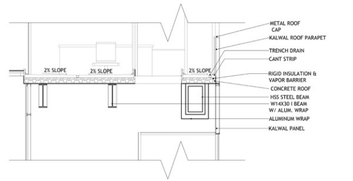

LITERARY CENTER

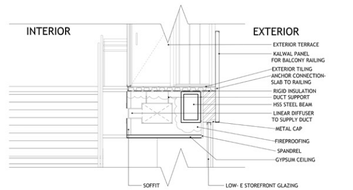


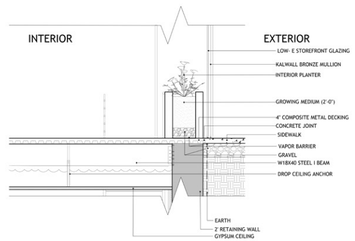


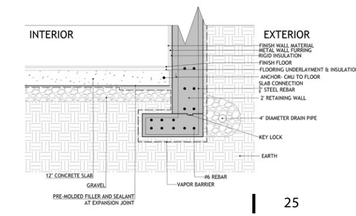





25 SLOPE
25 SLOPE
25 SLOPE
METAL ROOF CAP
KALWALL ROOF PARAPET
TRENCH DRAIN
CANT STRIP
RIGID INSULATION & VAPOR BARRIER
CONCRETE ROOF
HSS STEEL BEAM
W14X30 I BEAM
W/ ALUM. WRAP
ALUMINUM WRAP
KALWAL PANEL


INTERIOR
EXTERIOR
EXTERIOR TERRACE
KALWAL PANEL FOR BALCONY RAILING
EXTERIOR TILING
ANCHOR CONNECTION- SLAB TO RAILING
RIGID INSULATION
DUCT SUPPORT
HSS STEEL BEAM
LINEAR DIFFUSER TO SUPPLY DUCT
METAL CAP
FIREPROOFING
SPANDREL
GYPSUM CEILING
SOFFIT
LOW- E STOREFRONT GLAZING

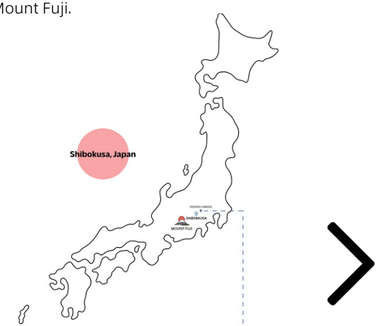

INTERIOR
EXTERIOR
LOW- E STOREFRONT GLAZING
KALWALL BRONZE MULLION
INTERIOR PLANTER
GROWING MEDIUM (2'-0")
4" COMPOSITE METAL DECKING
CONCRETE JOINT
SIDEWALK
VAPOR BARRIER
GRAVEL
W18X40 STEEL I BEAM
DROP CEILING ANCHOR
EARTH
2' RETAINING WALL
GYPSUM CEILING


INTERIOR
EXTERIOR
FINISH WALL MATERIAL
RIGID INSULATION
FINISH FLOOR
FLOORING UNDERLAYMENT & INSULATION
ANCHOR- CMU TO FLOOR SLAB CONNECTION
1" STEEL REBAR
2' RETAINING WALL
4" DIAMETER DRAIN PIPE
KEY LOCK
EARTH
12" CONCRETE SLAB
GRAVEL
#6 REBAR
VAPOR BARRIER
PRE-MOLDED FILLER AND SEALANT AT EXPANSION JOINT

Octo-Ike is a minimalist home nestled in Shibokusa, Japan, near the sacred Oshino Hakkai area with views overlooking Mount Fuji. Inspired by a study abroad experience at Oshino Hakkai, we discovered the significance of its eight ike, meaning ponds in Japanese, designated a UNESCO World Cultural Heritage Site in 2013. These ponds are fed by snow melt from Mount Fuji, purified through porous volcanic rock, resulting in mineral-rich, pristine waters.

Octo-Ike is strategically positioned along the Katsura River, which flows directly to these eight ponds. Drawing inspiration from their beauty, we designed eight distinct spaces along a scenic exterior path with panoramic views of Mount Fuji. These spaces are divided into four exterior and four interior pods, creating an immersive experience with nature. The interior pods collectively make up just over 36 square meters.

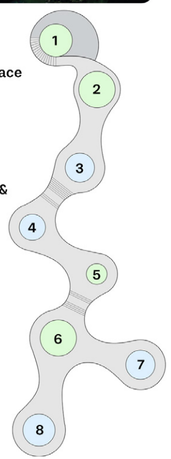
This design aims to convey the elegance and cultural significance of the area, weaving in its inspiration from the natural beauty and appreciation of Oshino Hakkai and Mount Fuji.



1-Port Cochere
2- Outdoor Living Space
3-Kitchen
4-Workspace
5-Outdoor Seating
6- Outdoor space
7- Girl's Bathroom & Lofted Bed
8- Master Bathroom & Lofted Bed

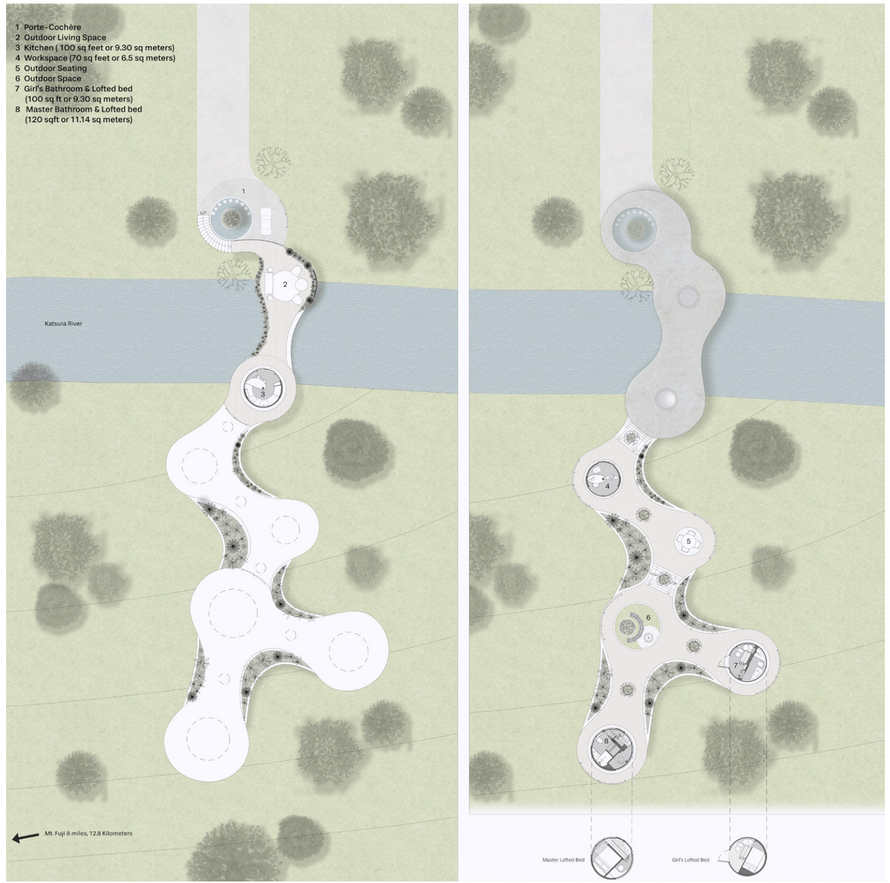
Interior

Exterior

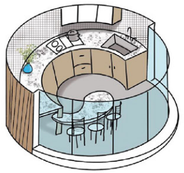


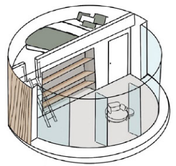
Octo-Ike

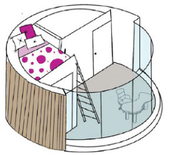
Partner: Natalie Overn


1 Porte-Cochère
2 Outdoor Living Space
3 Kitchen (100 sq feet or 9.30 sq meters)
4 Workspace (70 sq feet or 6.5 sq meters)
5 Outdoor Seating
6 Outdoor Space
7 Girl's Bathroom & Lofted bed
(100 sq ft or 9.30 sq meters)
8 Master Bathroom & Lofted bed
(120 sqft or 11.14 sq meters)
Katsura River
Mt. Fuji 8 miles, 12.8 Kilometers

Master Lofted Bed
Girl's Lofted Bed







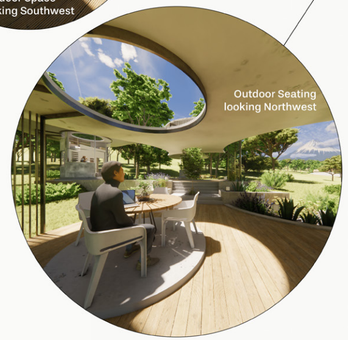

Girl's
Room


Mother's
Beauty Space


Master
Room


Outdoor Space
looking Southwest


Retaining wall
embedded into
topography


Outdoor Seating
looking Northwest