



Nandita Rajesh

Selected Works: 2022 - 2023

New Jersey Institute of Technology



NANDITA RAJESH

ARCHITECTURE STUDENT

908-821-8024 | BERKELEY HEIGHTS, NJ | nanditar12w@gmail.com

Objective

To obtain an internship position or co-op opportunity in the field of architecture and design to further develop my expertise while leveraging my proficiency in design, technical acumen in software like Revit and Rhino, and creative abilities. Eager to contribute innovative ideas, collaborate effectively, and gain hands-on experience in architectural project development.

Skills and abilities

ARCHITECTURAL DESIGN SOFTWARES: Revit, Rhinoceros, AutoCAD, SketchUp, Lumion, V-Ray,
CREATIVE SOFTWARE PROFICIENCY: Adobe Suite – InDesign, Illustrator, Photoshop, Lightroom
OFFICE PROFICIENCY: Microsoft Suite - Excel, PowerPoint, Word

Education

NEW JERSEY INSTITUTE OF TECHNOLOGY

Newark, NJ | Bachelor of Architecture (Expected Graduation:2027) Key Courses Taken : Architecture Studio, Tools & Technology, Statistics, Research Writing, Economics, Creative writing, Physics

Experience

CHILDREN'S COUNSELOR, CENTERCOURT ATHLETIC CLUB, CHATHAM NJ

- Orchestrated engaging and educational activities, fostering personal growth and teamwork among campers aged 6-12. Nurtured a supportive and inclusive environment, promoting emotional well-being and conflict resolution skills.

- Demonstrated leadership by leading group hikes, teaching outdoor skills, and supervising daily routines for a diverse group of children.

TEAM MEMBER, DUNKIN' DONUTS, BERKELEY HEIGHTS NJ

- Excelled in a fast-paced, customer-focused environment, consistently delivering exceptional service. Collaborated with a diverse team to ensure smooth operations during high-demand periods.

- Demonstrated efficiency in order processing, cash handling, and maintaining an organized workspace.

Organizations

Alpha Rho Chi (APX)

American institute of Architecture Students (AIAS)

National Organization of Minority Architecture Students (NOMAS)

Leadership

Head of Chapter Advancement -APX

Treasurer - NOMAS



Table of Contents

- Residential Project (pg 1-4)
- Architectural “Diagramming” (pg7,8)
- Ordering systems (pg 9,10)
- Photography Gallery + Studio (pg11-14)



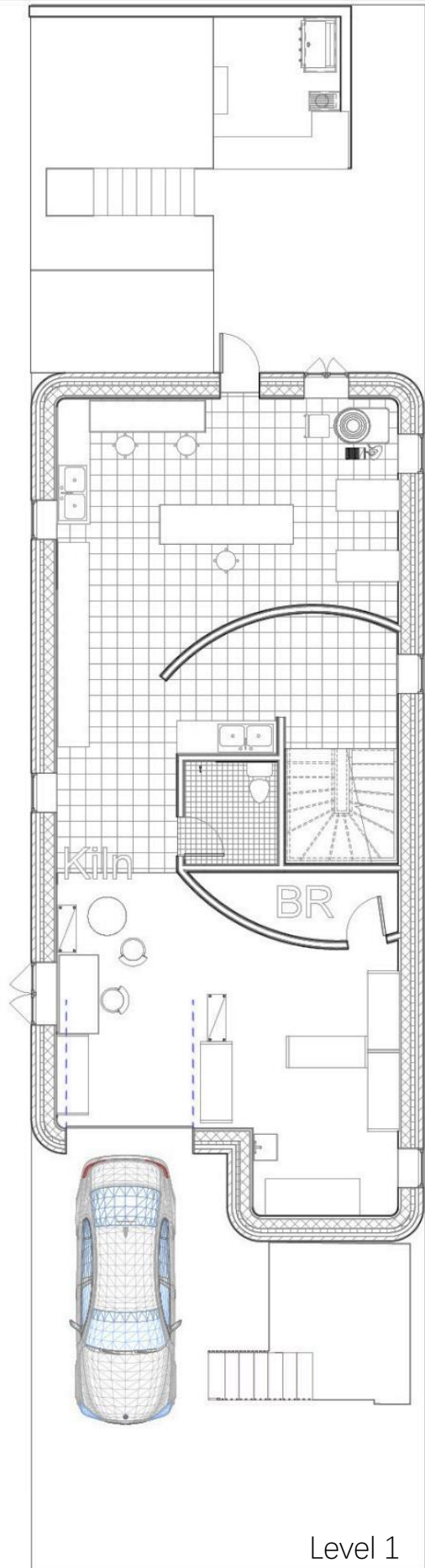
Residential Project: Ceramic Reverie

Ceramic Reverie Artful Fusion of Space and Form

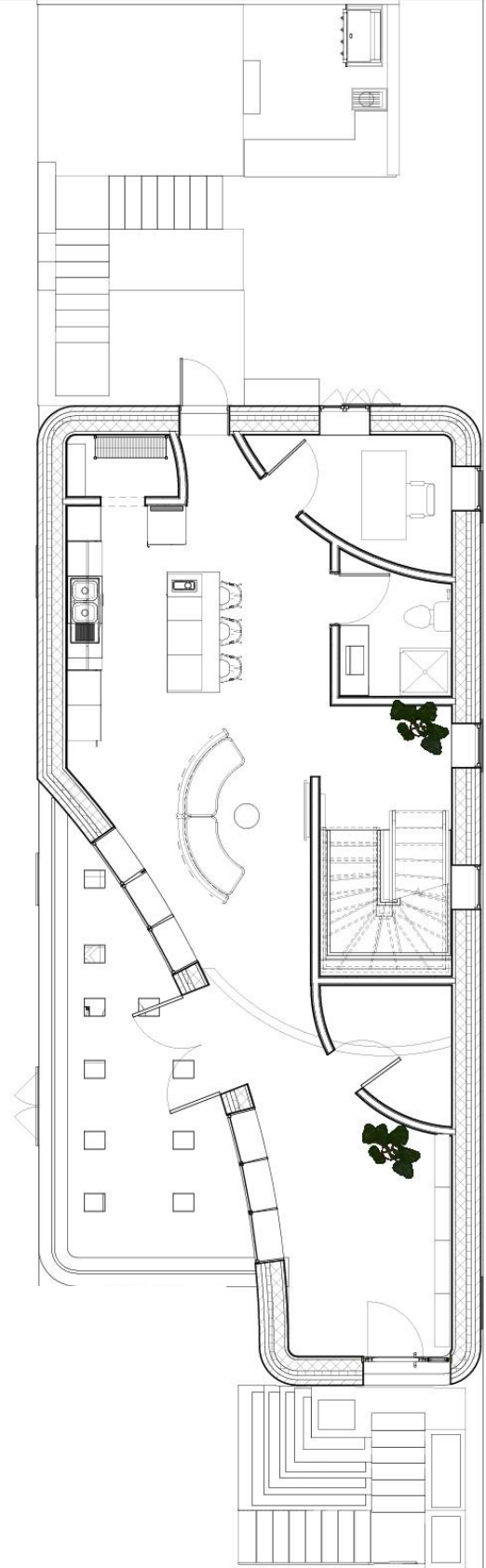


My inaugural residential project involved crafting a home tailored for a ceramist named Mr. Tim. Dubbed "Ceramic Reverie: Artful Fusion of Space and Form," the project spans three meticulously planned levels, each catering to distinct functions. The ground floor is dedicated entirely to Mr. Tim's studio, where his creative pursuits take center stage.

Working on a 25ft x 100ft plot of land, the final design manifested as a three-story structure. It encompassed two bedrooms and bathrooms on each level, designated for primary and guest use respectively. Fulfilling the client's desires, the design also integrated a luxurious studio space into his residence.

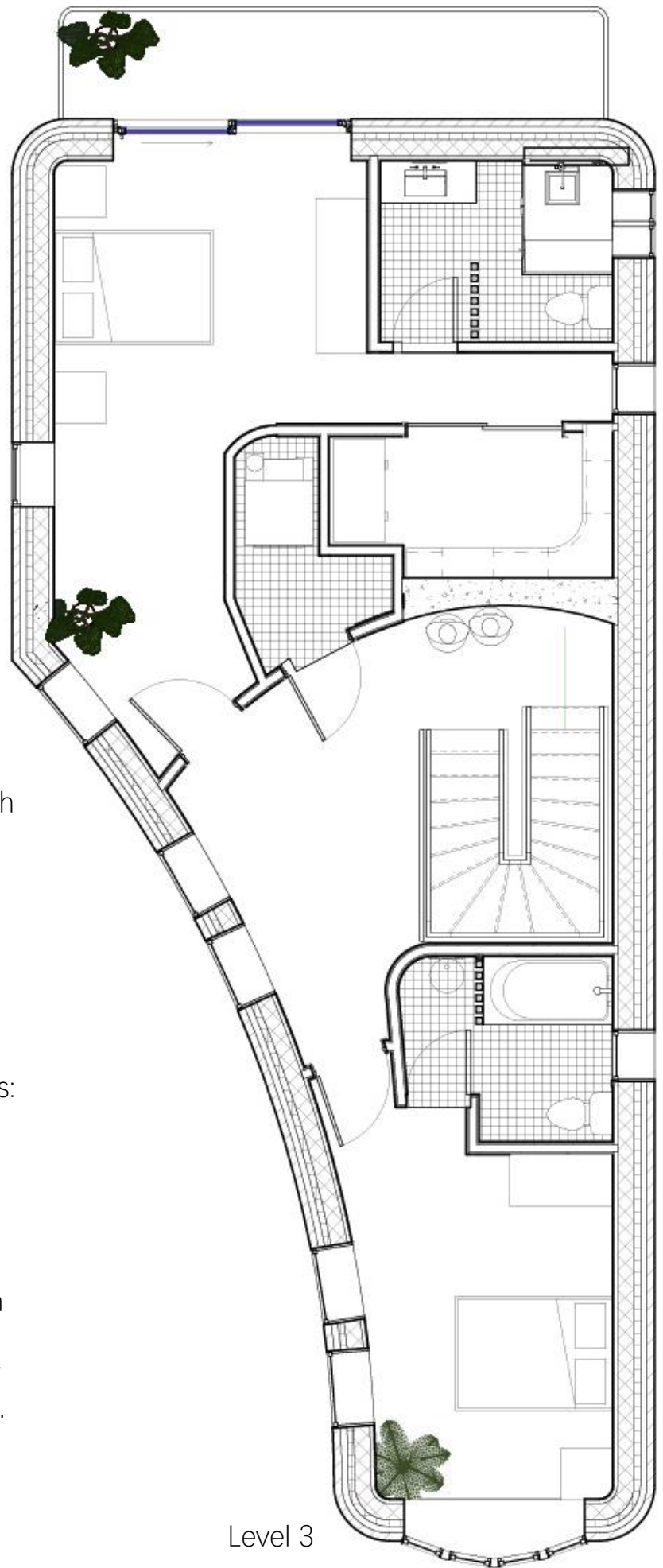


Level 1



Level 2

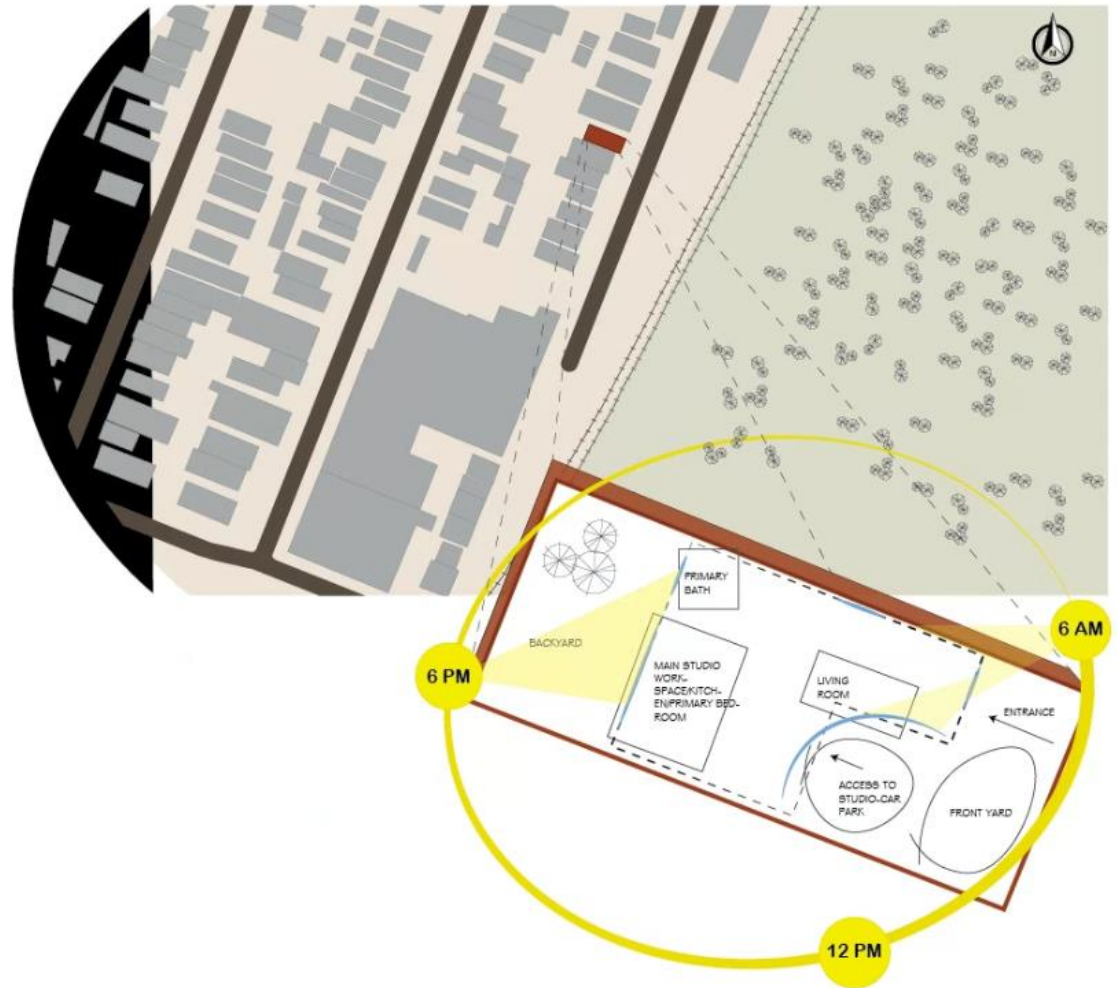
The project primarily took shape through the creation of floor plans, focusing on aspects like wall curvature, circulation flow, and the allocation of requested spaces. Following numerous sketches and iterations both on paper and in Rhino software, the final plans were developed using Revit. The three levels were carefully assigned distinct purposes: the first level designated as the client's private studio space, the second floor serving as the main living area comprising the living room, kitchen, gallery space, and office, providing ample room for entertaining guests with its spacious and lavish open design. Lastly, the third floor was designated for private bedrooms and gathering spaces.



Level 3

Floor Plan

The site plan, along with the expanded conceptual site drawing, illustrates the house's integration with its environment. Emphasizing natural lighting was crucial in the overall design as the client aimed to maximize its presence in the house's public areas and primary workspaces.



Section



Physical Model Exploration



Exterior Front Facade



Interior View (3rd Floor)

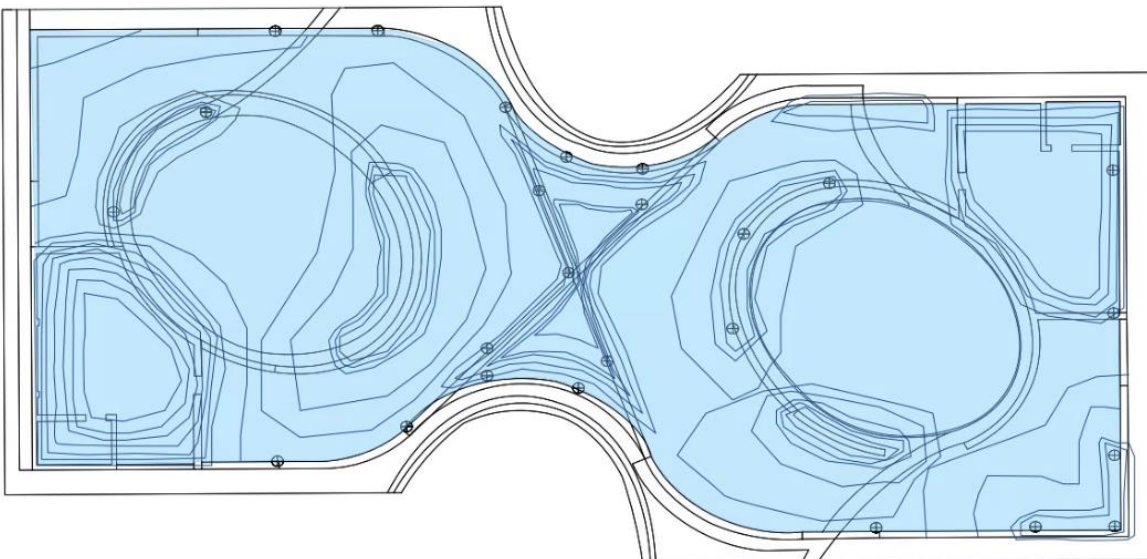
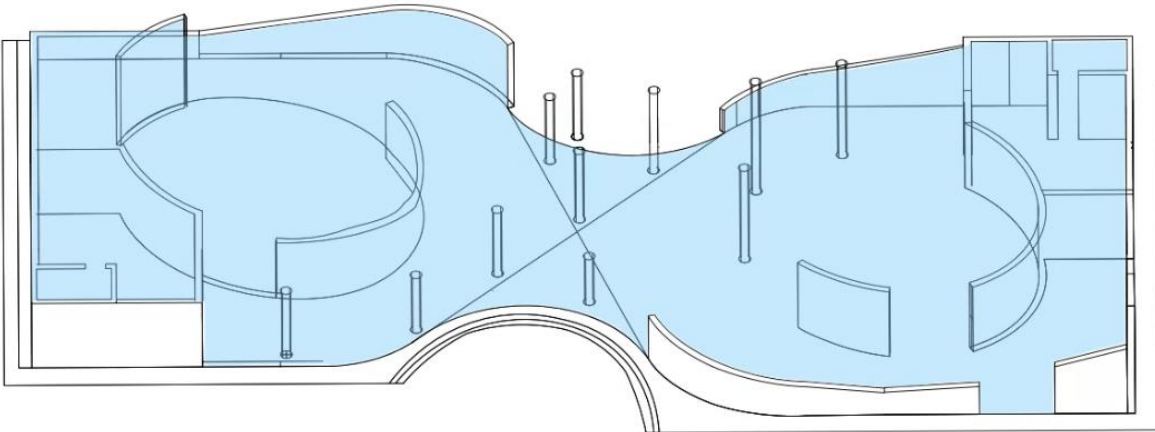
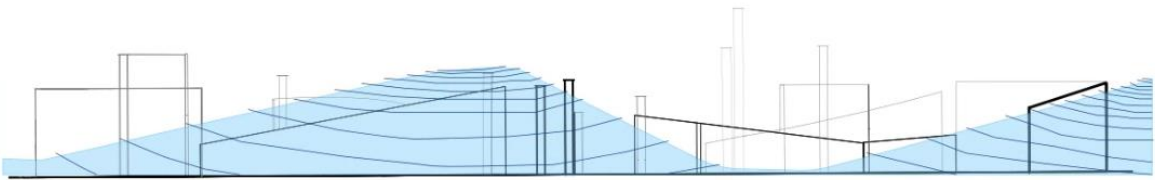
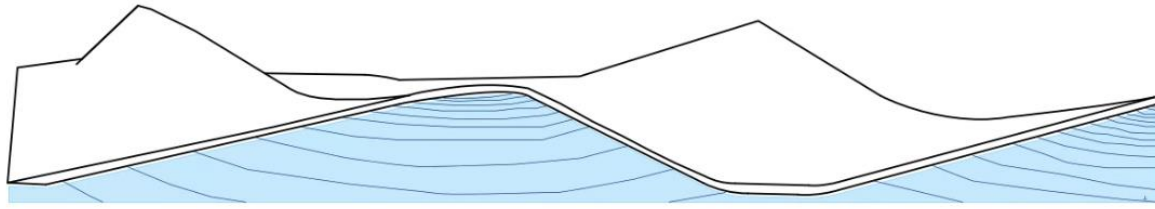
For the residential project, a physical model was constructed to grasp the spatial characteristics of the space. Tailored for a nuclear family, the model served to elucidate these qualities to the client. It is divided into three sections, each representing a floor. The exterior walls, resembling "thick walls," are crafted from cardboard, while the interior, mimicking "thin walls," is fashioned from foam sheets.



Interior View (2nd Floor)



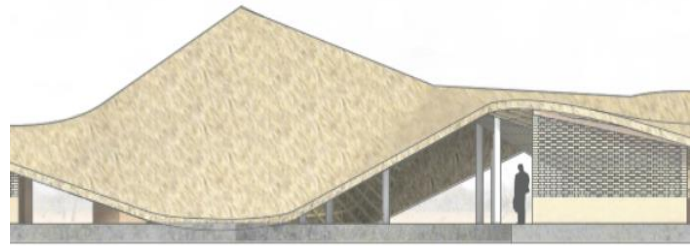
Architectural "Diagramming"



Mastering the art of crafting clear and purposeful diagrams holds immense significance within the realm of architecture. It's a crucial skill that requires practice and refinement. In this particular assignment, the objective was to select a project from a curated list of groundbreaking and intelligently designed architectural endeavors worldwide. The aim was not only to pick a project but also to extract its core concept and translate it into a visually compelling diagram. This task involved delving into innovative designs, distilling their essence, and skillfully communicating their underlying ideas through diagrams that resonate and elucidate the architectural concepts effectively.

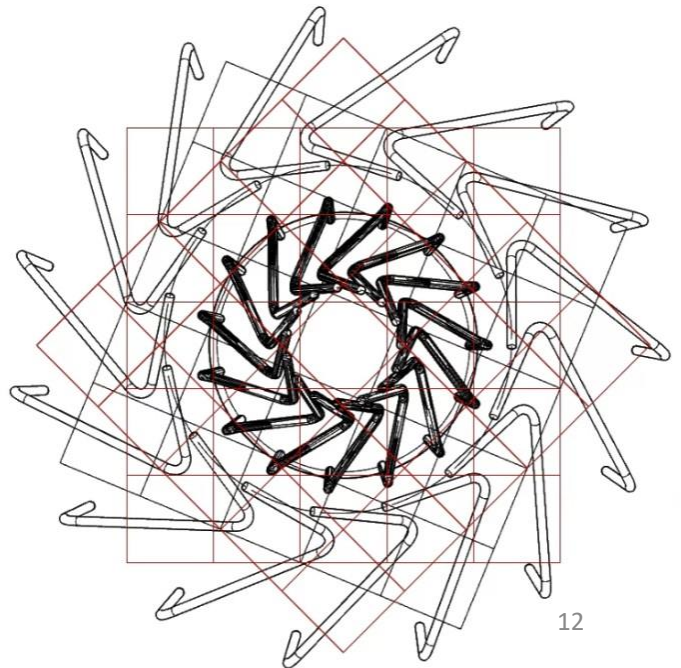
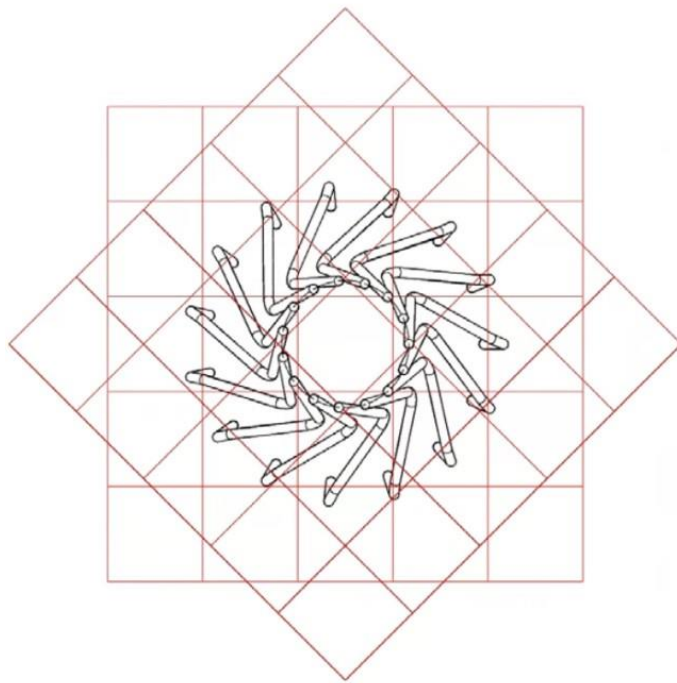
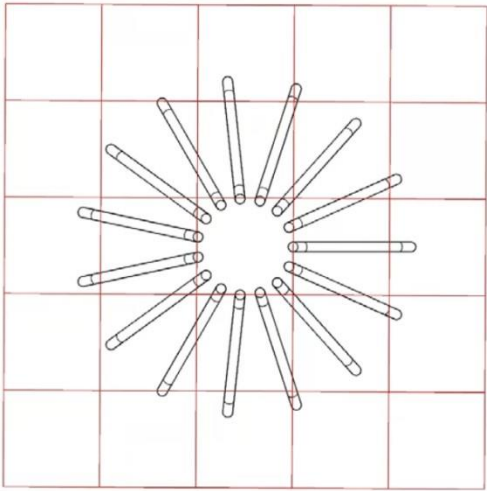


New Artist Residency - Toshiko Mori Architects (2014) Sinthian, Senegal



The precedent analysis of the architectural marvel designed by Toshiko Mori, focuses on the unique, curvature pattern of the bamboo, thatched roof. When a plan of such in the diagram is presented the design of the roof (supported by the walls and pillars) control the circulation in the structure. This aspect of the design is the program of the analysis presented.

The diagram on the previous page aims to communicate the differences of the design of the roof and the foundation that results in a distinctive, airy, multifunctional space in between.



Ordering Systems

In the midst of my second semester as an architecture student, I encountered the intricate world of ordering systems. This pivotal moment didn't merely mark a project in my academic journey; it was a profound lesson in the fundamental significance of these systems in shaping spatial design.

The project I undertook became a canvas for understanding the profound impact of these rules on architectural spaces. Yet, beyond the immediate project, this experience became a catalyst, altering my perception of the intrinsic role that ordering systems play in the creation and formation of buildings.

This exploration isn't just a retrospective glance at a single project; it's a narrative that unravels the profound influence that these systems wield in the realm of architecture. It's about grasping the essence of ordering systems, understanding their nuances, and appreciating their substantial impact on the built environment. This journey draws upon the lessons gleaned from my earliest foray into architecture, providing a guiding light to comprehend why these principles matter significantly in the architectural sphere.

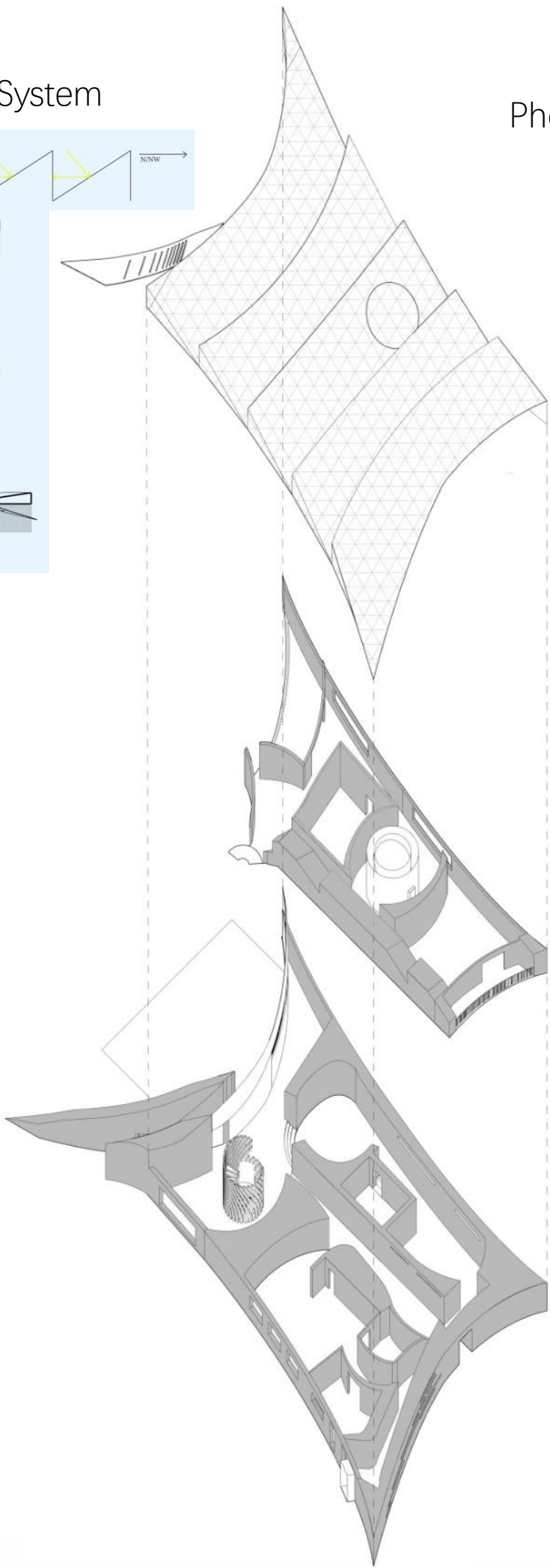
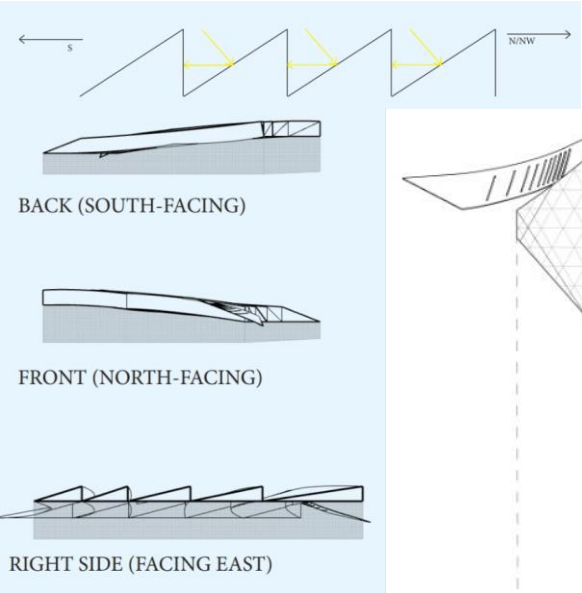
Photography Gallery-Studio



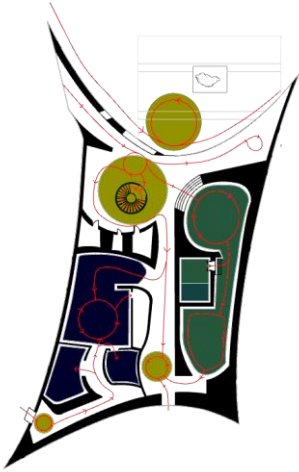
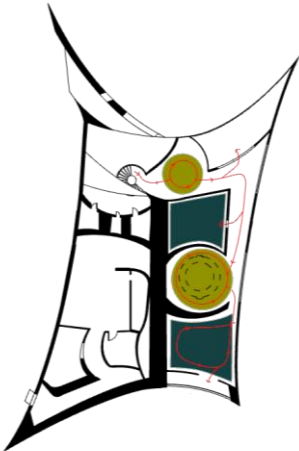
The final project of first-year studio was to design a structure for a specific program at the Liberty State Park, NJ. Developing the program and concept of the elements and technicality of photography, I used the curvature in the walls, apertures, light, shadow, illusions and compositions through aspects of the building such as Framing(view from the building and interior/exterior spaces), Transparency(using materials such as glass, stained glass and concrete walls) and framing to compose the structure. Along with private office spaces and bathrooms, the design includes a photography gallery and public/private studios for photographers. and apertures.

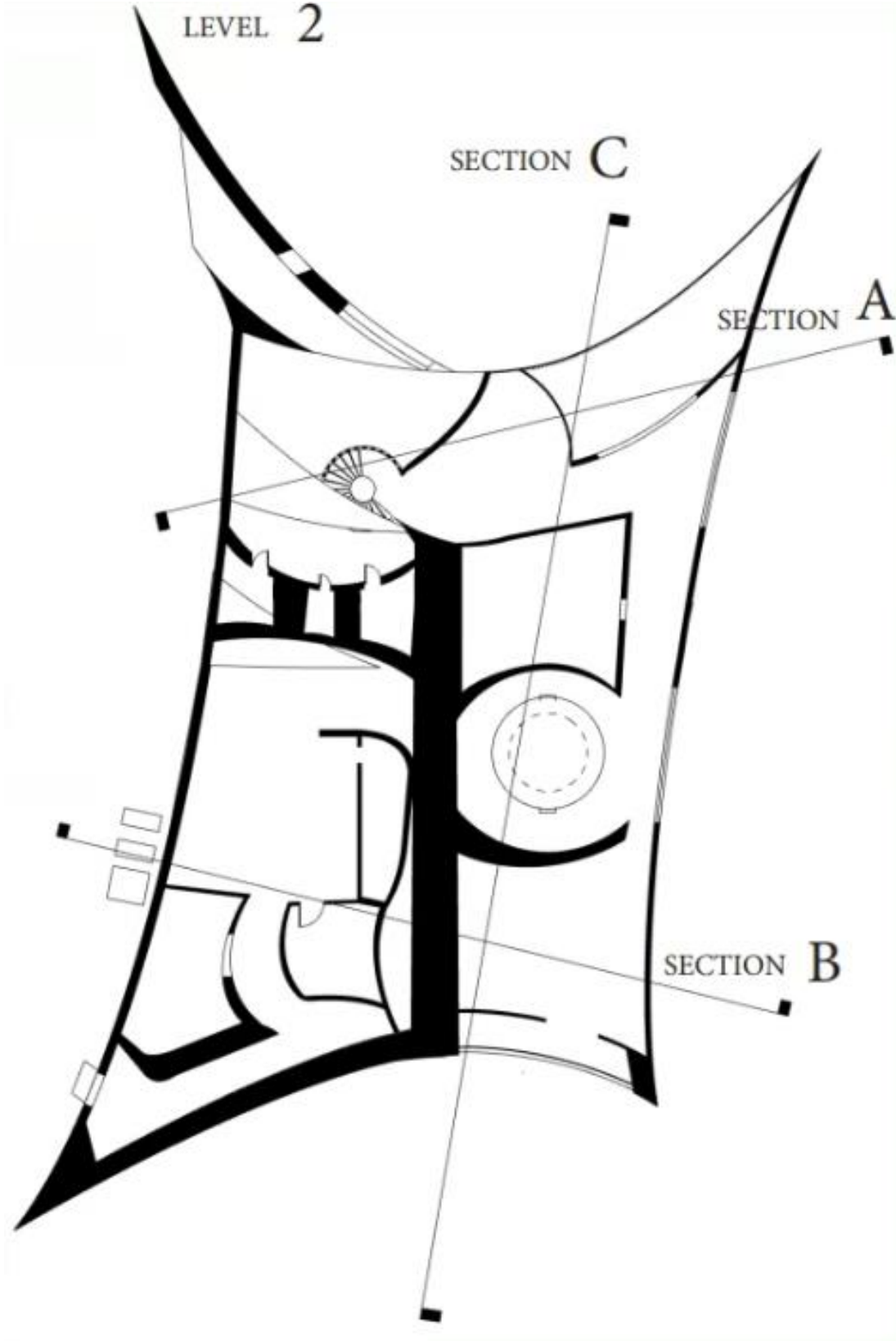


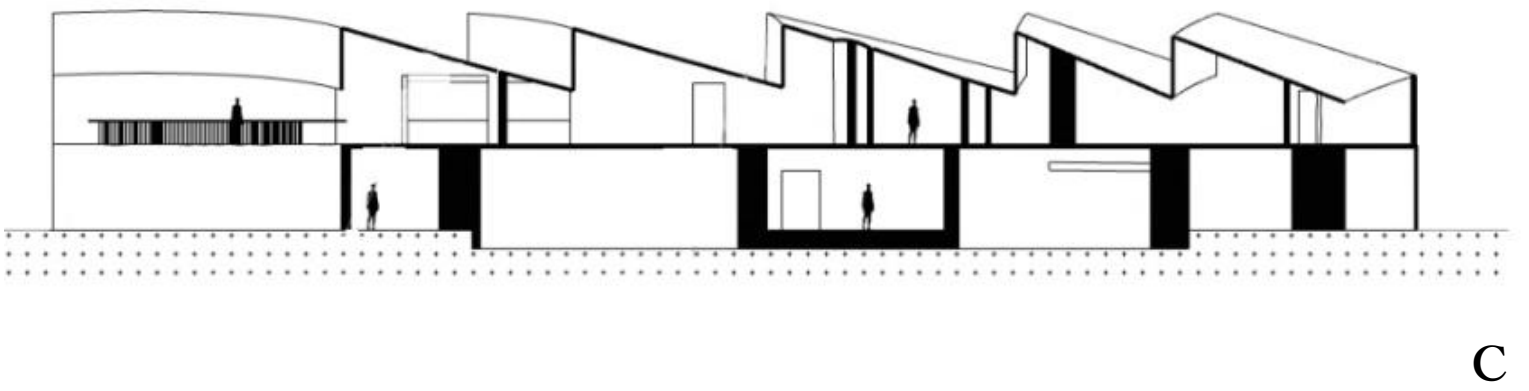
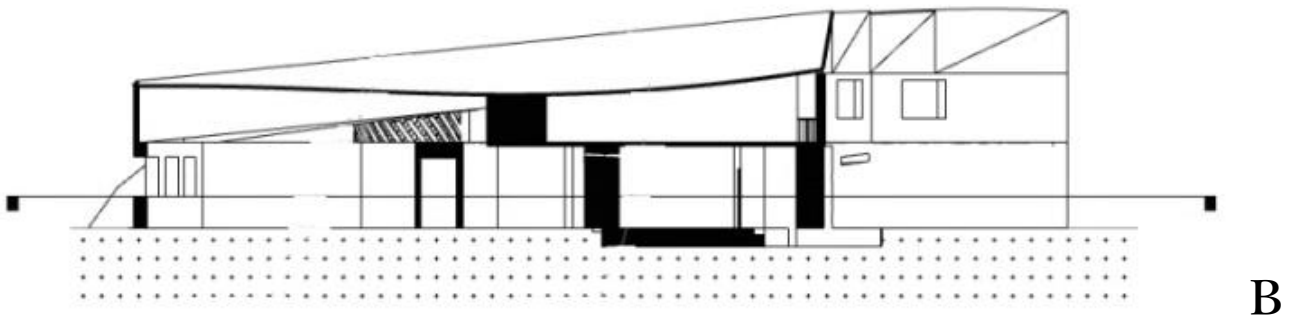
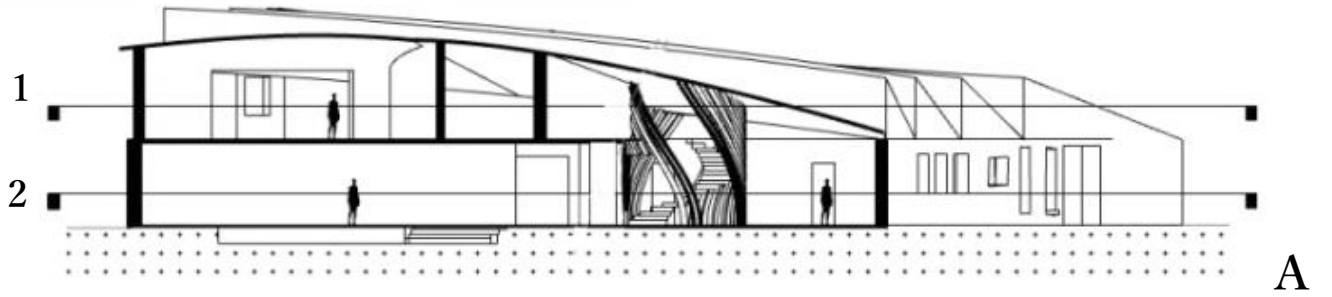
Roof and Wall System



Photography Gallery-Studio







Sections