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MARIA JOSE GARCIA CORADO



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Maria Jose Garcia

Maria Jose is a designer from Guatemala City, currently living in Lynchburg, VA. She graduated Summa Cum Laude with a B.F.A in Architecture and a minor in Business Management and Entrepreneurship from SCAD (Savannah College of Art and Design). A year later she graduated with a Master of Arts in Visual Communication in Design from Liberty University, and she now teaches as a full-time professor in their Interior Design program. Maria Jose has a passion for artistic design, paintings, and graphics. She is interested in residential and lifestyle design.

When I was a little girl, my mother decided to have her dream house built. Being fascinated by the blueprints, I asked her, 'Who helped you achieve your dream house?' She responded with the answer that would later become my dream career. Since then, I found myself sketching floorplans of all the places I could envision of. This vision of helping others achieve their dreams soon became my driven passion. I believe that architecture is a powerful tool to transmit emotion and helping others. My value statement is finding significance in simple experiences and enhancing them by using natural qualities to provide human wellness.

Selected Works 2016-2026 ©



Tian Tower _____

42-02 _____

TIJ _____

Narratorium _____

GoDesign _____

Visual Experience _____

2016-2026

COON TENT



TIAN TOWER

Kowloon, Hong Kong



The Biophilia hypothesis outlines a fundamental tendency in human beings to be attracted to nature and emulate its processes and structures in everyday life. Biophilia advocates believe that humans have developed a lifestyle far removed from what may be considered natural, and biophilic design fosters happiness and well-being. Thus, when applied to architecture, it is indeed a welcome call for more sustainable and human centric design. The challenge was to design a residential tower with 75 housing units on the site provided, incorporating biophilic design principles. The size of the unit was 2.5 BHK unit making the overall design have a clear impetus on biophilia. The program development considers the advantages of biophilic design for multistory living in where access to space, light and nature beyond the individual apartment is critical.

The design is based on a sequential concept that allows for a significant impact beyond the site context. Regarding Biophilia's primary purpose of providing human wellness, the project focuses on fulfilling several personal engagement instances with nature through modular customizable design.

Drawing from China's cultural, philosophical, and intellectual traditions, it is clear that there is a sequence to reach harmony between man and nature. When man, Ren, directly engages with Nature, Tian, it can lead to a particular strategy called the Tian-Ren-He-Yi, which means the harmony between humanity and nature. Accordingly, the focus is on the sequential wellness system that the user acquires from untouched nature, personal interaction with nature, and a collective community experience of nature.

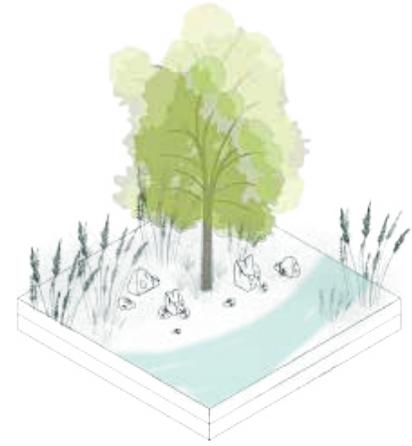




Overall the design aims to balance all the different interactions and perspectives of nature that humans have. The three categories of untouched nature, personal interaction with nature, and community interaction areas have to operate systematically in order to respond for the many needs that humans respond to from Biophilia.

天

TIAN, NATURE



人

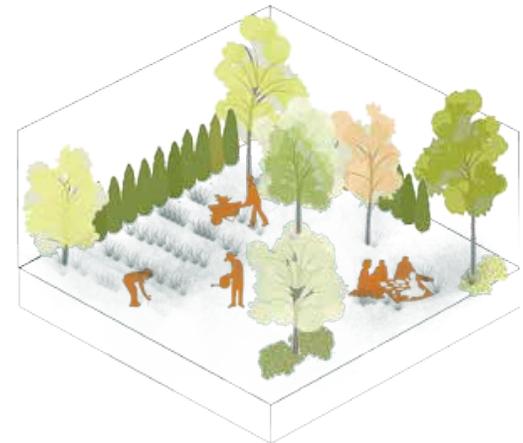
REN, MAN



天人合一

TIAN REN HE YI

THE HARMONY BETWEEN MAN AND NATURE





Bio philia

The primary function is to help humans connect more with nature.

How do people connect with nature?



The Kowloon Bay area consists of the body of water and the city named so, located at the east of the Kowloon Peninsula and north of Hong Kong Island. The city has primarily

been built on reclaimed land, and the bay too has undergone massive reclamation of land from the sea. The rapid development that Hong Kong has experienced has rendered the

city into a concrete jungle with increasingly shrinking green pockets. The site proves to be an interesting testing ground for Biophilia in architecture.

Different INTERACTIONS that provide WELLNESS

Incorporating personal and community interactions with nature was essential when generating building forms responsive to the human needs and natural requirements of diversity, adaptation, change, and the conservative use of natural resources.

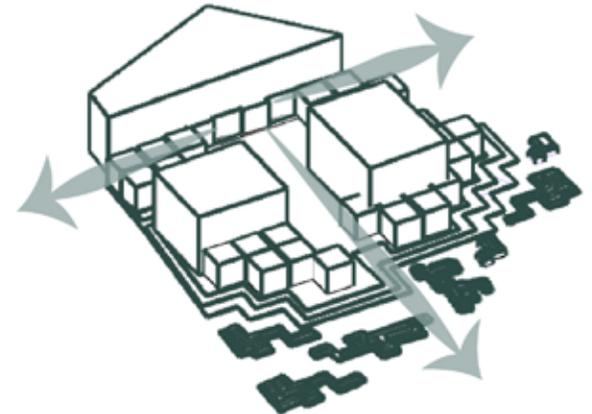
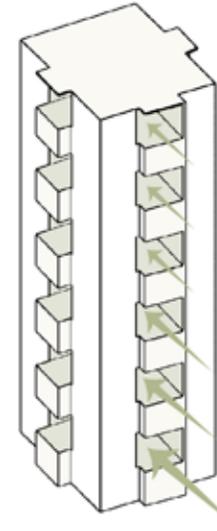
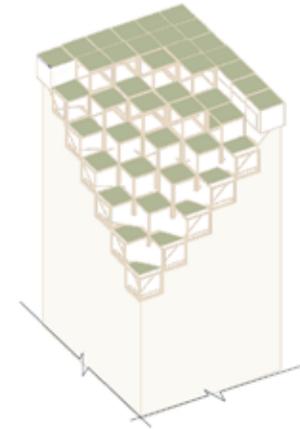
untouched nature

+

personal interaction with nature

+

community interaction



Roof Garden



Allows a connection with untouched nature

Residential



Green spaces in residential units are modifiable and allow a personal interaction with nature.

Ground Floor



Designated Area for community interaction in a Biophilic Environment.

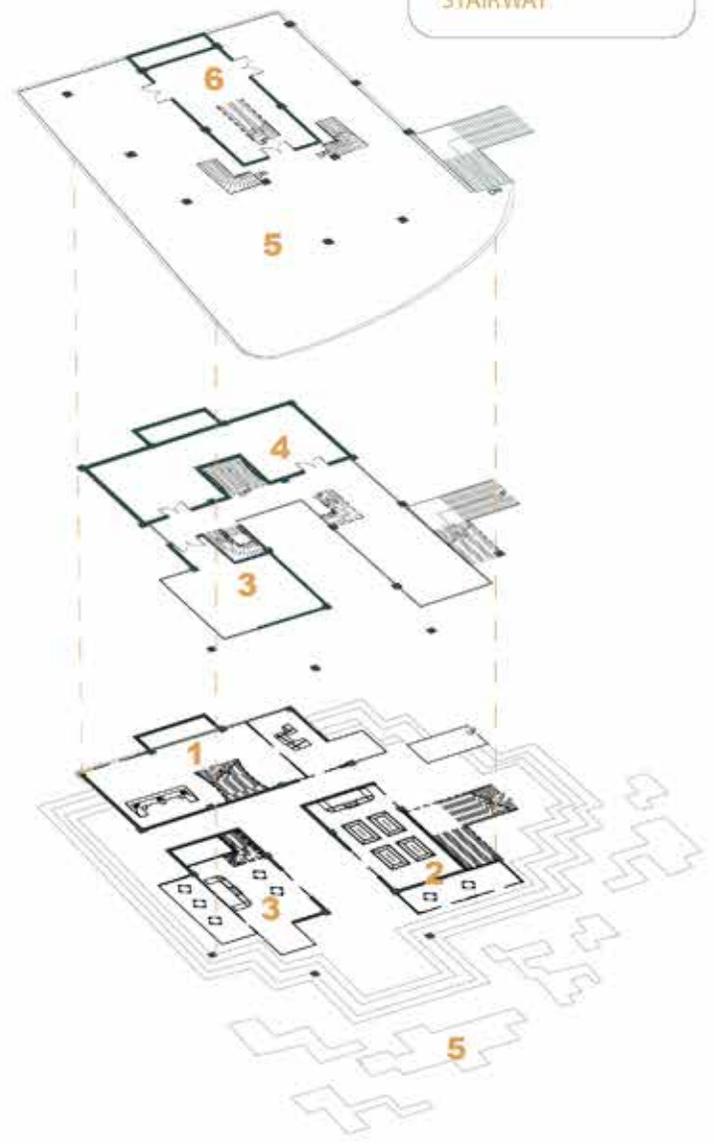


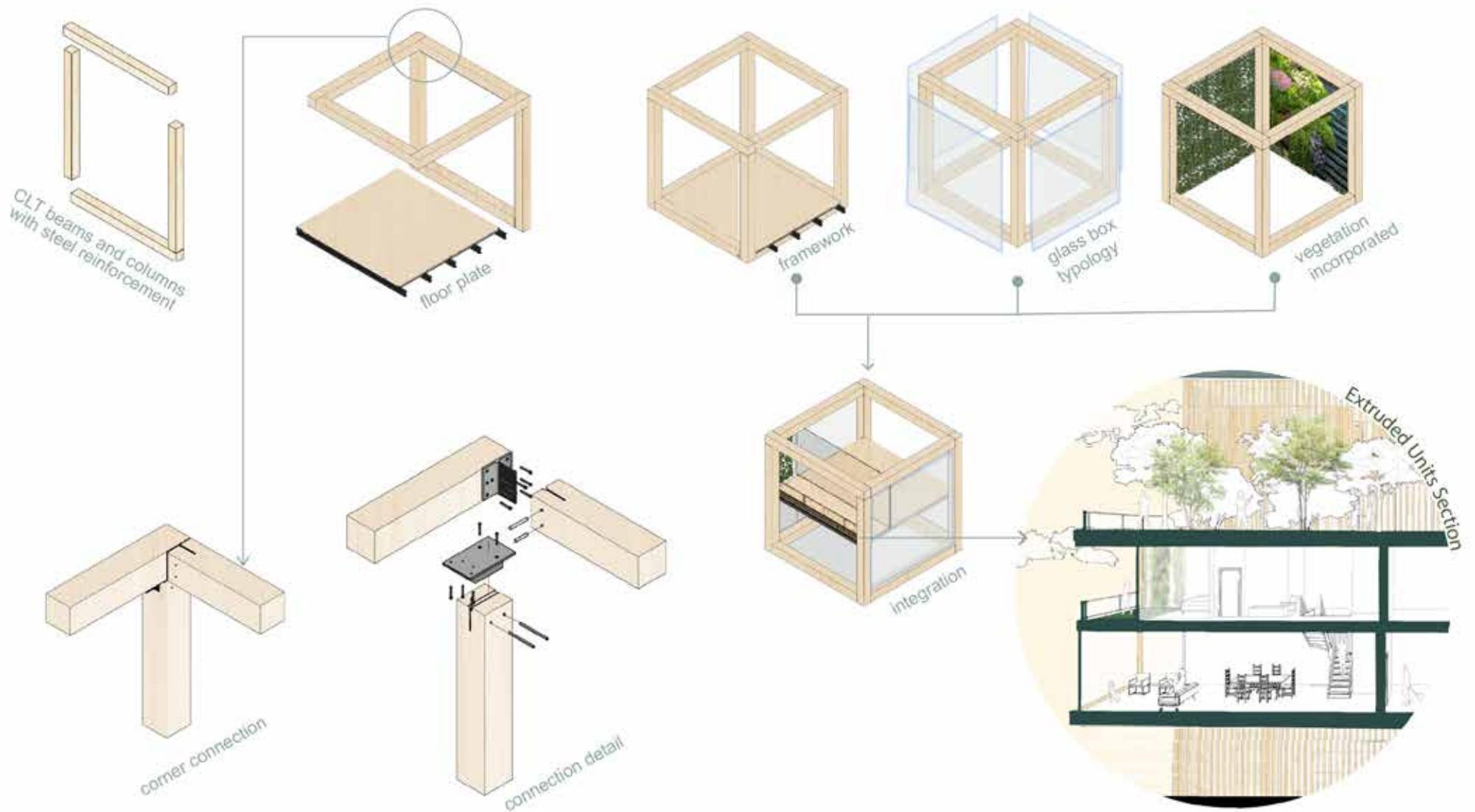
longitudinal section cut

ground plan



- 1. LOBBY
- 2. MARKET
- 3. CAFFE
- 4. FITNESS CENTER
- 5. COMMUNITY GARDENS
- 6. RESIDENTIAL AREA STAIRWAY

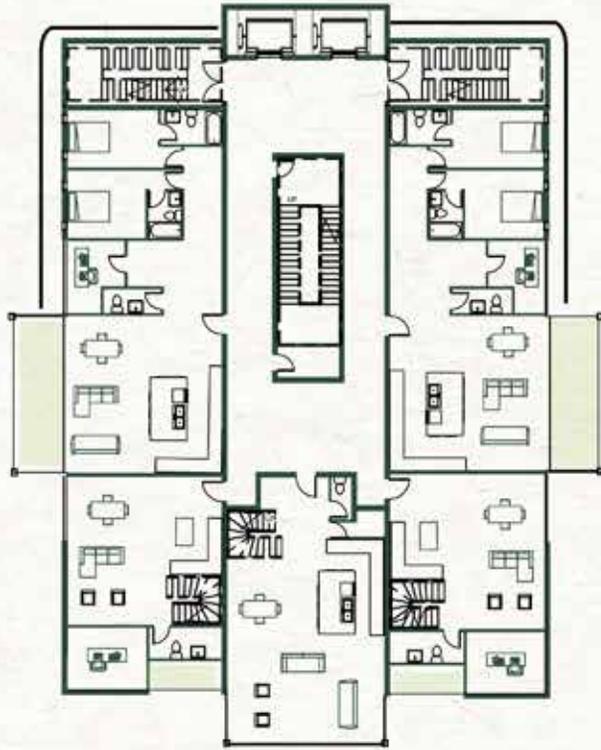




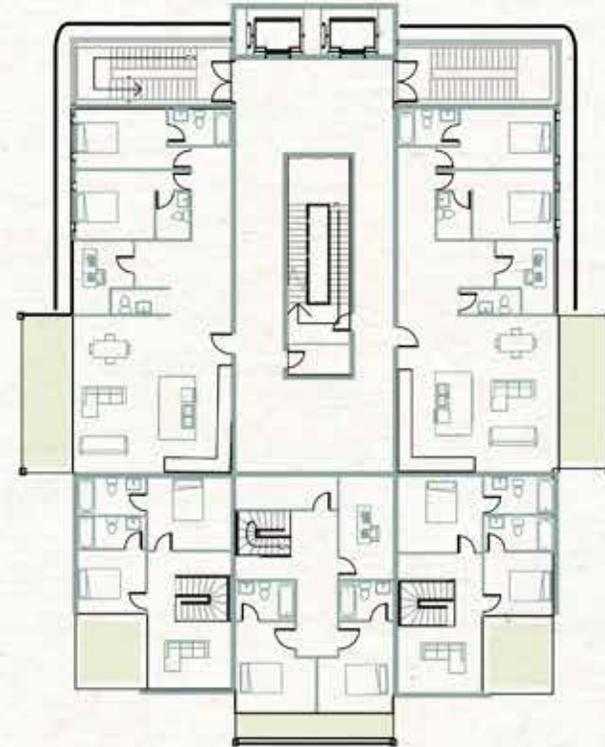
MODULAR UNITS FOR EXTRUDED FACADE

Built of cross-laminated timber beams fabricated off site and assembled in place, the structures can grow horizontally and vertically to accommodate an increased need for space.

THE GOAL IS TO USE A MODULAR BUILDING PROCESS, WHERE PRE-FABRICATED AND PRE-CUT CLT PANELS ARE ASSEMBLED INTO MODULES OFF-SITE. AFTER WORK ON-SITE WITH FOUNDATIONS GROUND FLOOR AND A BASE CORE IS DONE, THE FLOOR PLAN MODULES ARE DELIVERED TO THE SITE AND CRANED INTO PLACE.



① Level 1

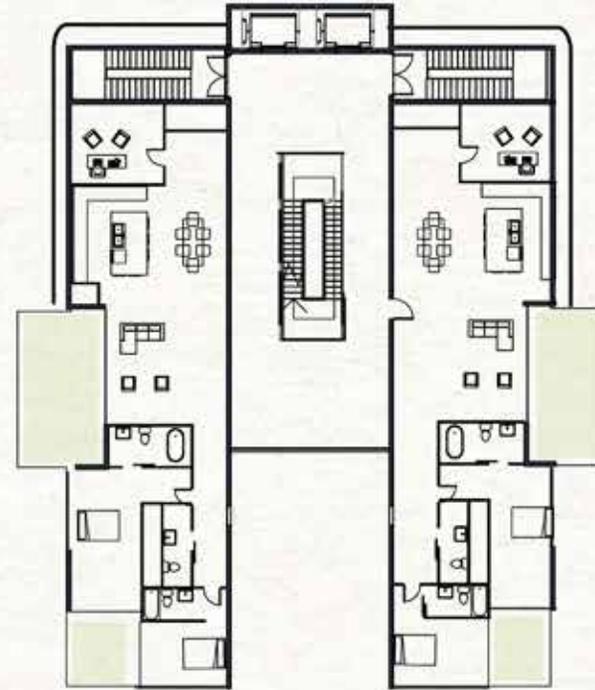


② Level 2

DURING THE PROCESS OF STACKING THE MODULES, THE TIMBER-CLAD FACADE PANELS ARE INSTALLED AND SEALED. THE BUILDING'S STRUCTURE IS MAINLY MASSIVE TIMBER PANELS WITH A HYBRID OF CLT, CONCRETE, AND STEEL-ELEMENTS WHERE NEEDED.



3 Level 3



4 Level 4

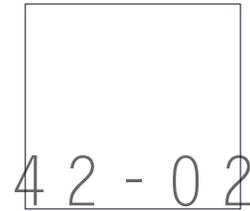




The materiality of the building plays a huge part in the design. If you walk through the city and suddenly see a tower made of wood and plants, it will create an exciting contrast.



Incorporating the warm, natural appearance of wood and the plants growing on its facade brings the building to life.



Queens, NY

42-02 is cultural center, education facility, and housing waterfront urban development located in Queens, NY. The architecture aims to highlight diversity, equity, and inclusion. Queens, NY was recognized as the "Most Ethnically Diverse Urban Area on the Planet" by the Guinness Book of World Records.

The project consists of three different buildings connected to each other by bridges. The Learning Facility will serve a space in which classes for different activities will be hosted. The Cultural Center, which acts like a museum, will inform visitors of Queens about the diversity found in the area and make it a cultural experience. As a way to give back to the community, the development includes a housing high rise building

to provide a better way of living for Queen's residents and immigrants as well. The design is based on a sequential concept that allows for a significant impact beyond the site context.

The building incorporates the "inclusion and diversity" theme in a structural manner through the use of minimal surface. A minimal surface is the surface of minimal area between any given boundaries. In nature such shapes result from an equilibrium of homogeneous tension.

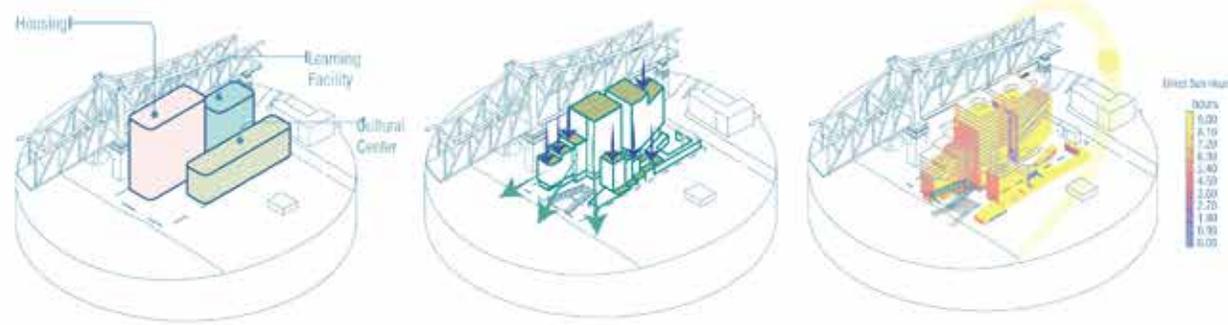
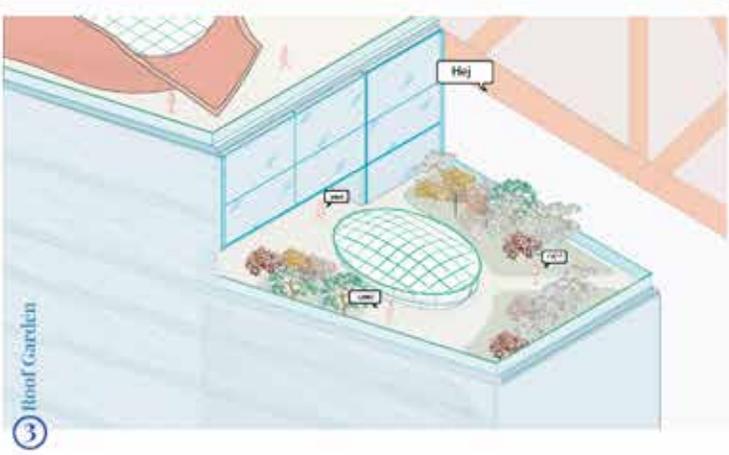
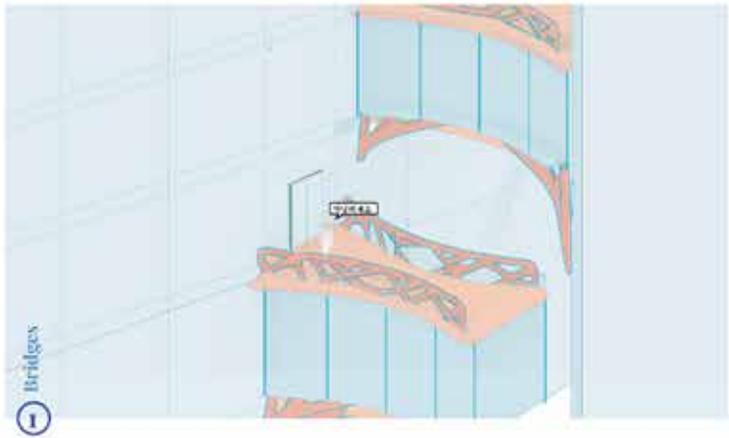
The structure is self-supporting and the organic shape will allow for natural light and user interactivity with the building. The layout of each floor is defined by the minimal surface structure.

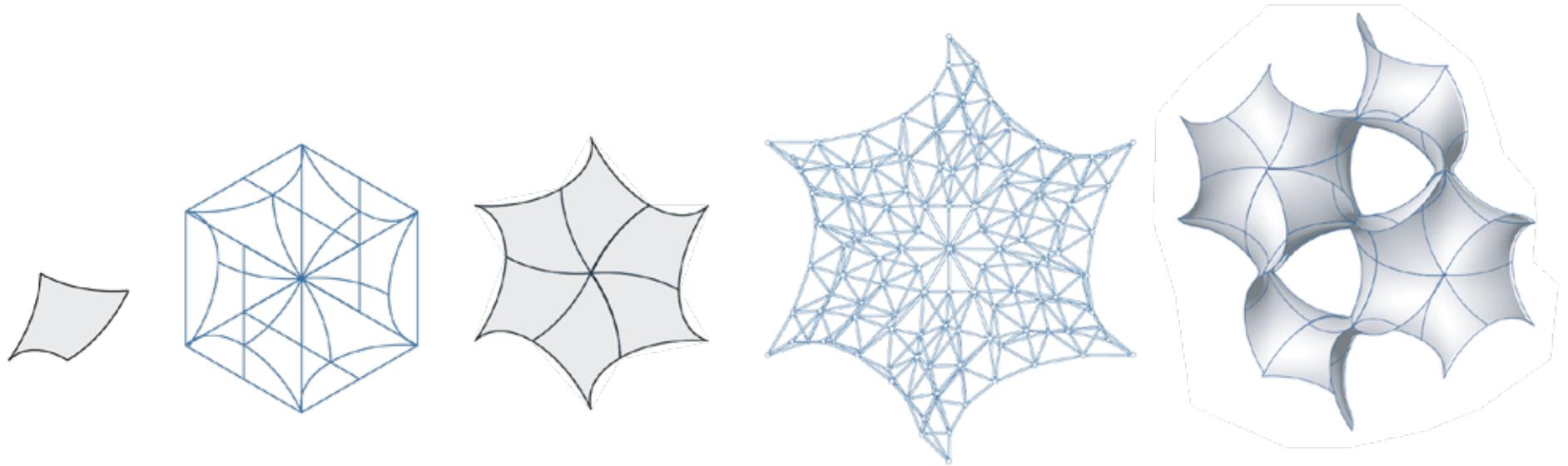


LONGITUDINAL SECTION OF HOUSING TOWER AND LEARNING FACILITY

Queens, NY Site Map

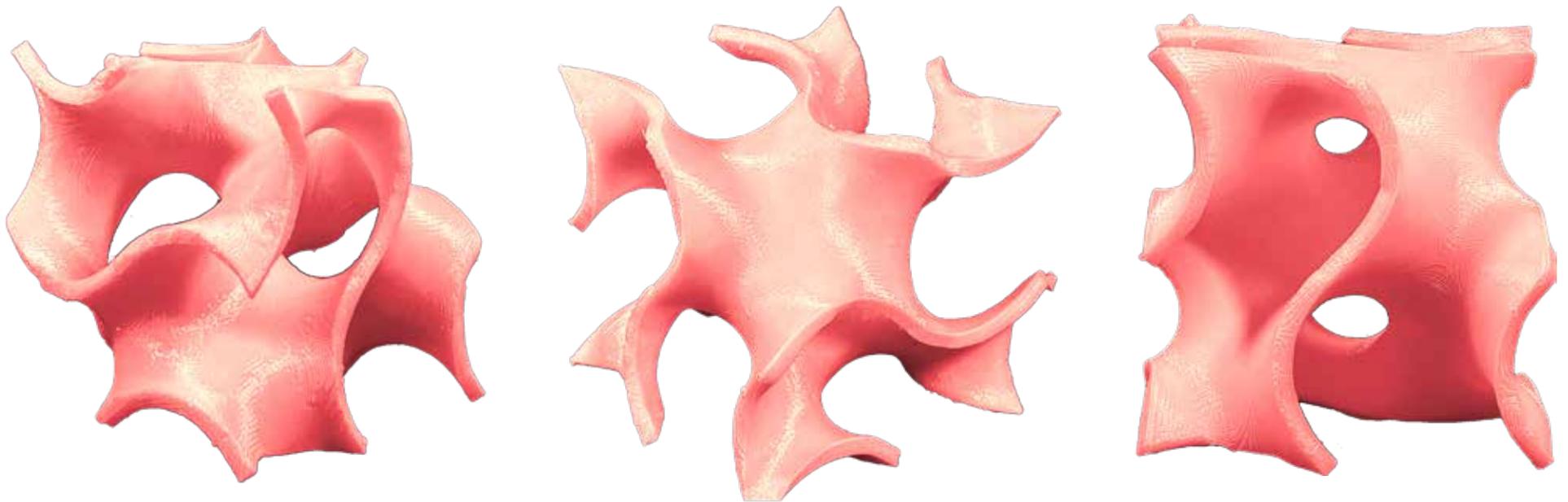




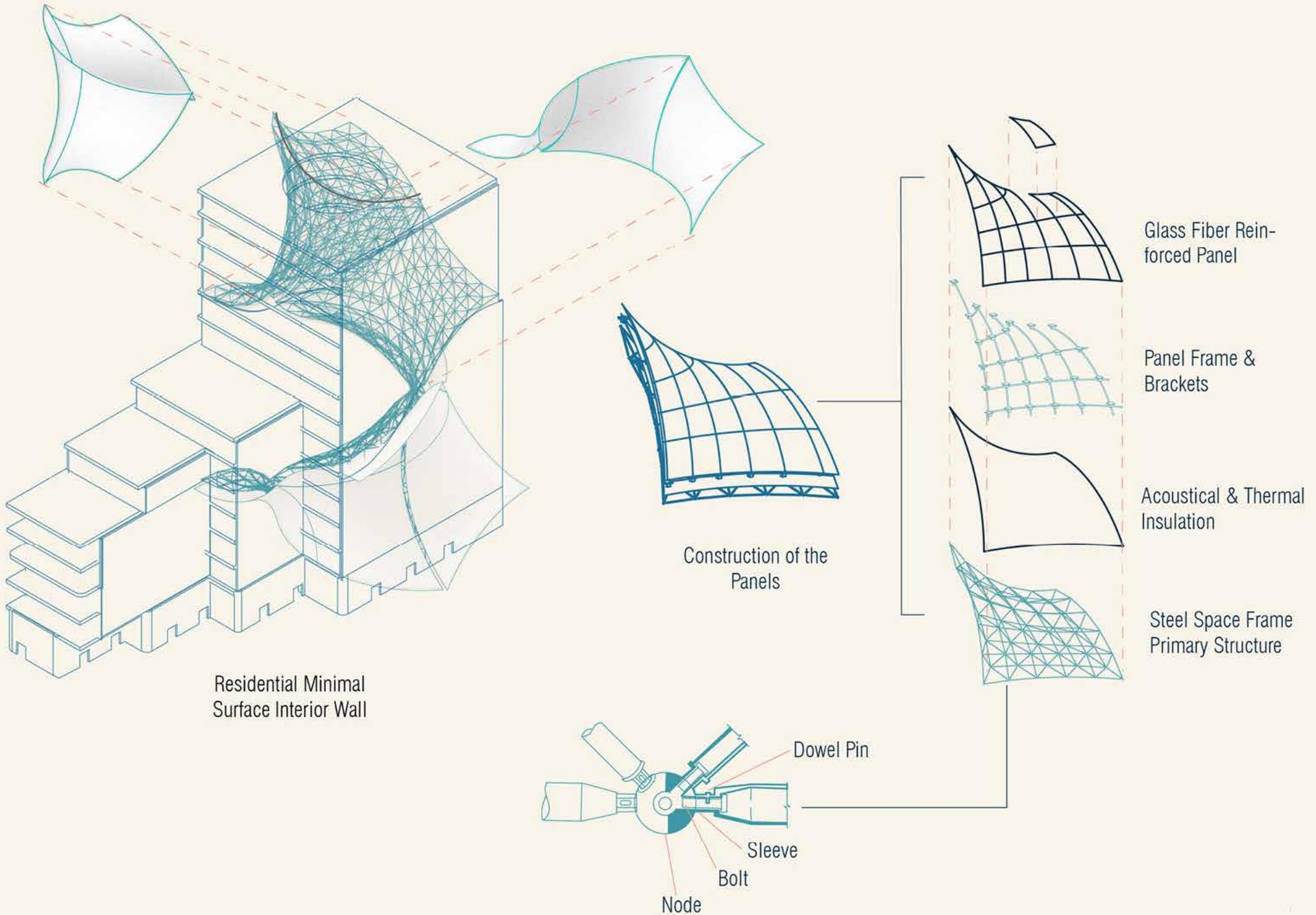


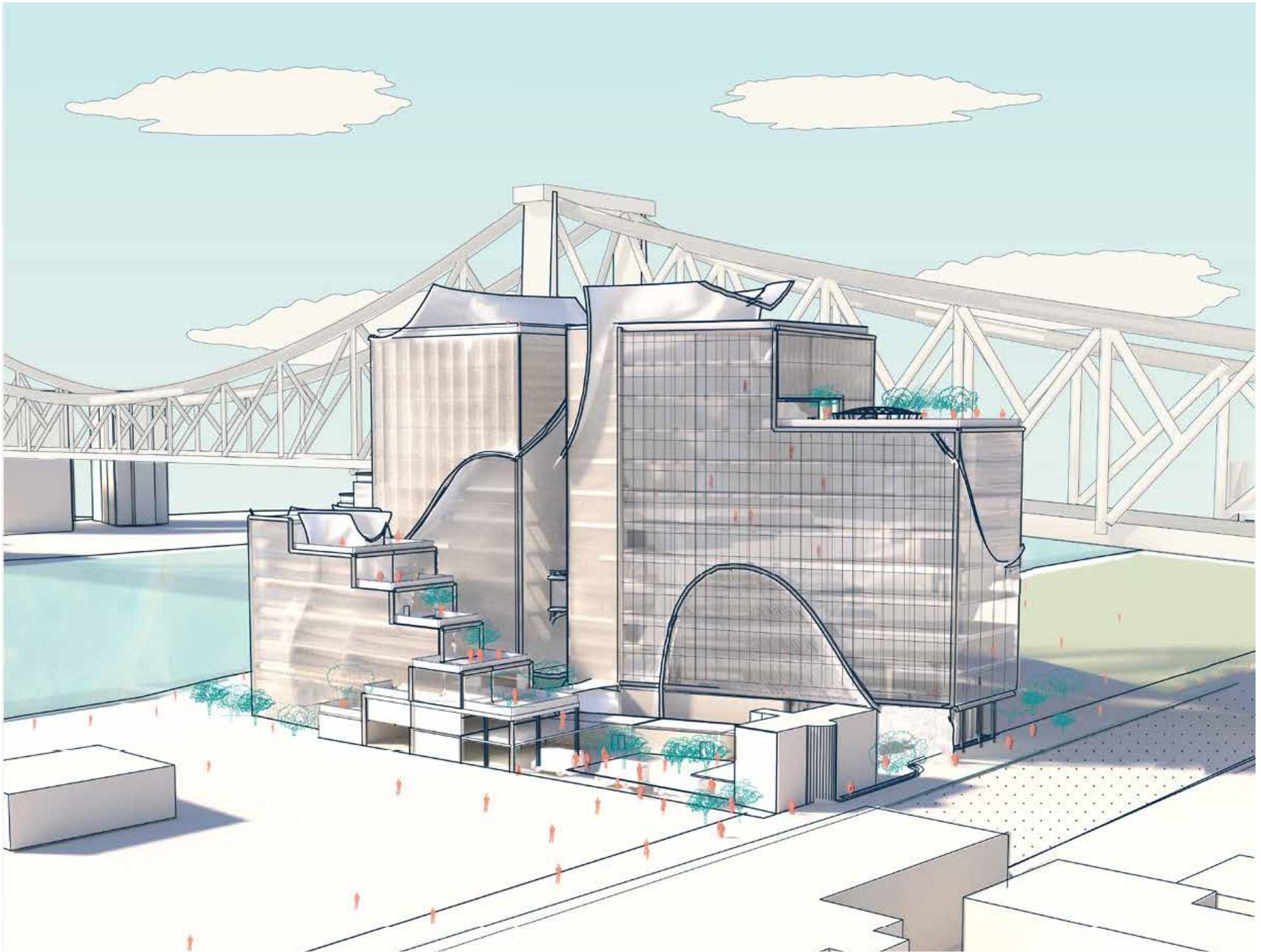
Minimal surfaces have a constant mean curvature of zero, i.e. the sum of the principal curvatures at each point is zero. Particularly fascinating are minimal surfaces that have a crystalline structure, in the sense of repeating themselves in three dimensions, in other words being triply periodic.

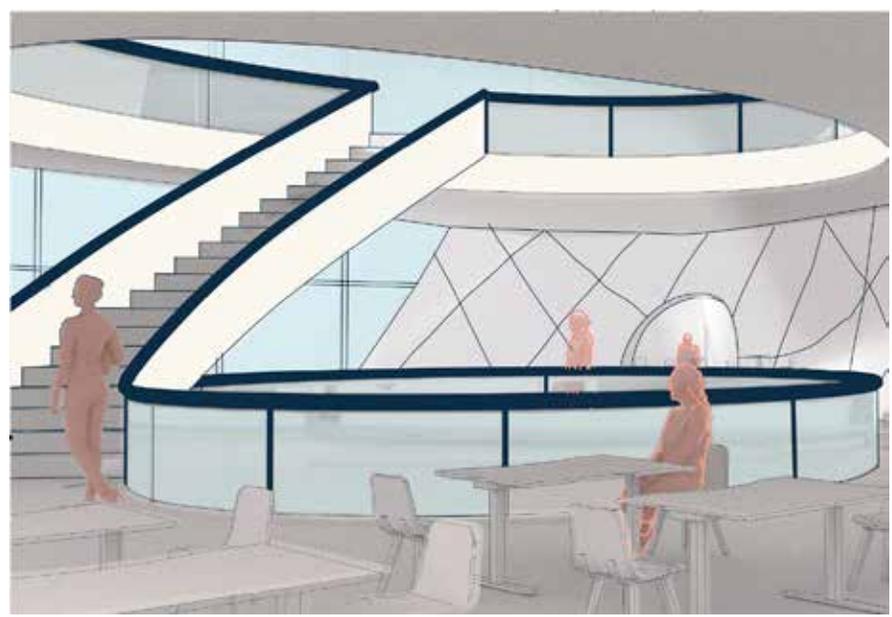
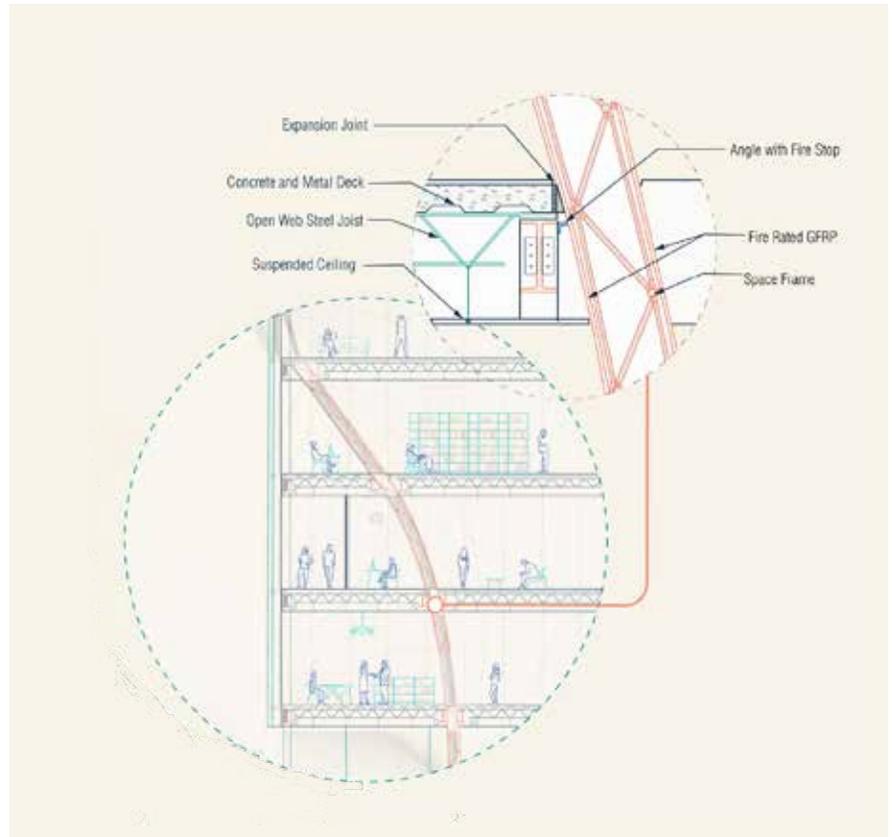
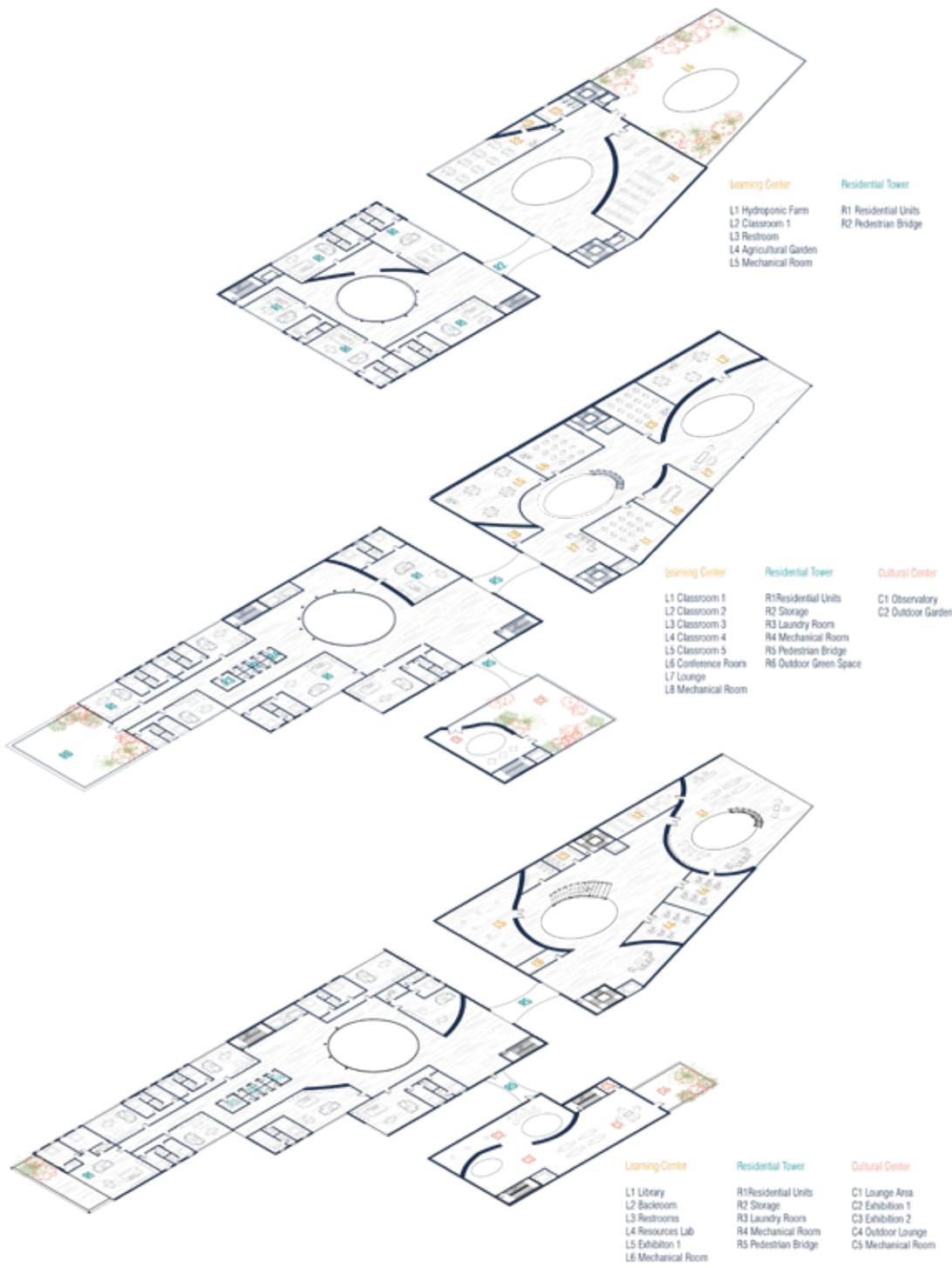
The gyroid is an infinitely connected periodic minimal surface discovered by Schoen in 1970. It has three-fold rotational symmetry but no embedded straight lines or mirror symmetries. The boundary of the surface patch is based on the six faces of a cube. Eight of the surface patch forms the cubic unit cell of a Gyroid



3 D P R I N T E D M O D E L S T U D Y







LIBRARY VIGNETTE AND SECTION CUT



QUEENSBORO BRIDGE

EAST RIVER

- | Outdoor Amnities | Learning Center |
|------------------------|-----------------|
| 01 Amphitheatre | L1 Foyer |
| 02 Underground Parking | L2 Retail |
| 03 Observatory | L3 Coffe Shop |
| 04 Garden | L4 Restrooms |
| 05 Ferry Stop | |

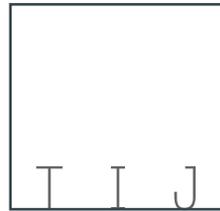


Cultural Center

- C1 Front Desk
- C2 Auditorium
- C3 Employees Lounge Area
- C4 Offices
- C5 Kitchen
- C6 Food Truck Courtyard

Residential Tower

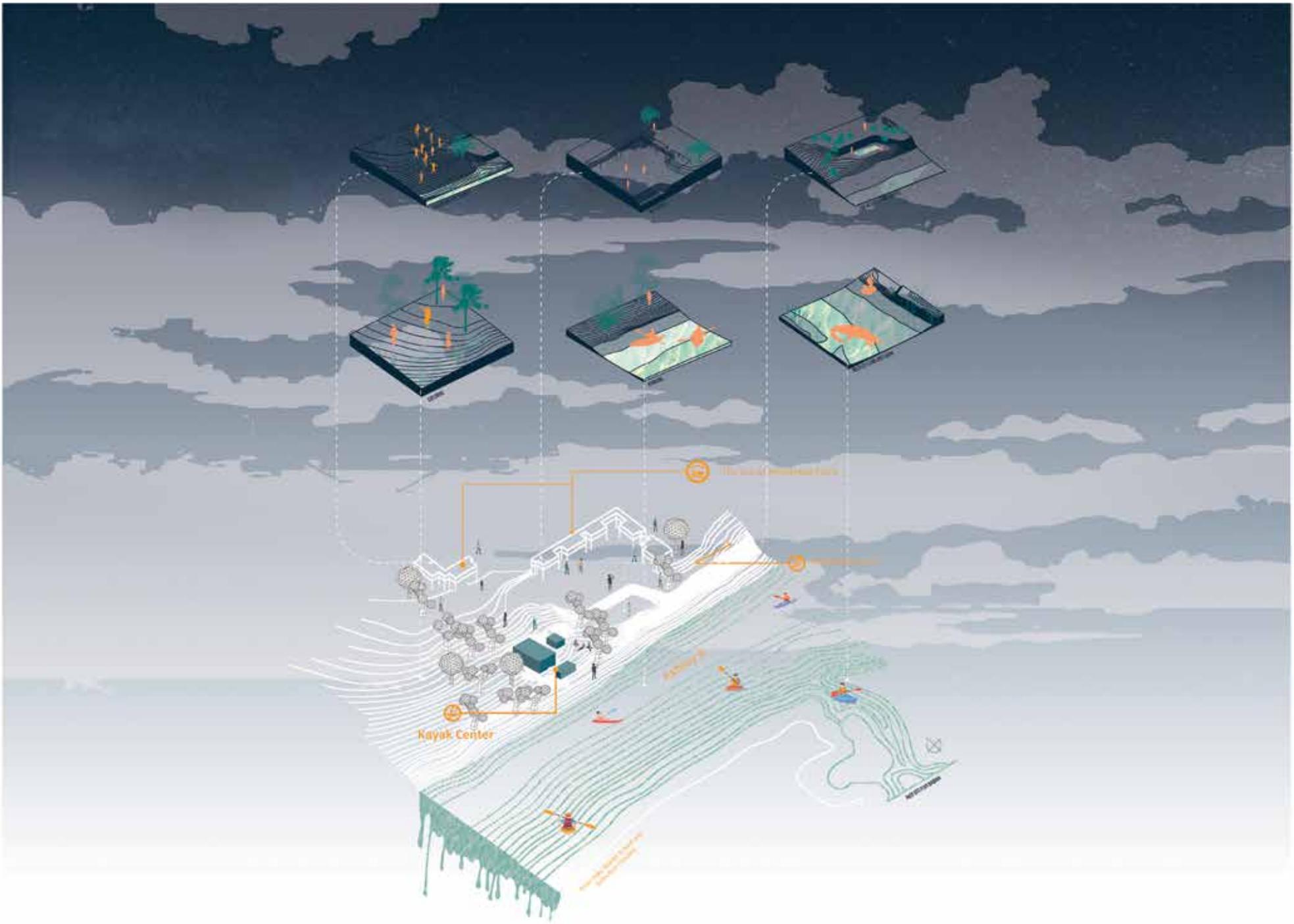
- R1 Lobby
- R2 Mailroom
- R3 Fitness Center
- R4 Spinning Room
- R5 Lockers
- R6 Lounge
- R7 Retail
- R8 Spa
- R9 Restaurants
- R10 Conference Room

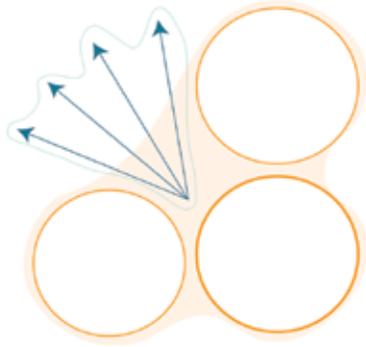


K A Y A K C E N T E R

Charleston, South Carolina

Tij functions as a kayak and ecological learning center. The location of the site was on the historical Middleton Place in Charleston, South Carolina. Programming of the site and facility displays how natural systems and architecture can be established to integrate and amplify the place's ecology. The project design or "process" ran through two phases; how analysis and synthesis about site and environment establish the notion of "a sense of place." The composition will vary from human-made, such as architecture, to natural phenomena. This design is a regenerative system that uses architecture as a catalyst to establish a "sense of place"; it is tectonic, ecologically, and participates in its everyday life through democratic means.

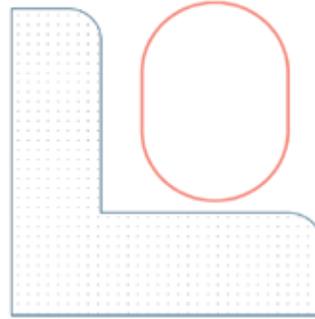




redirecting views

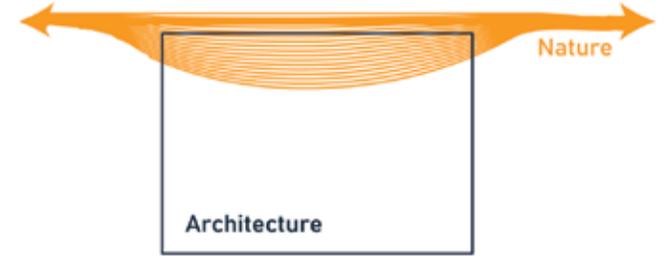
Showcase different aspects of nature to allow a human to nature appreciation

GOALS



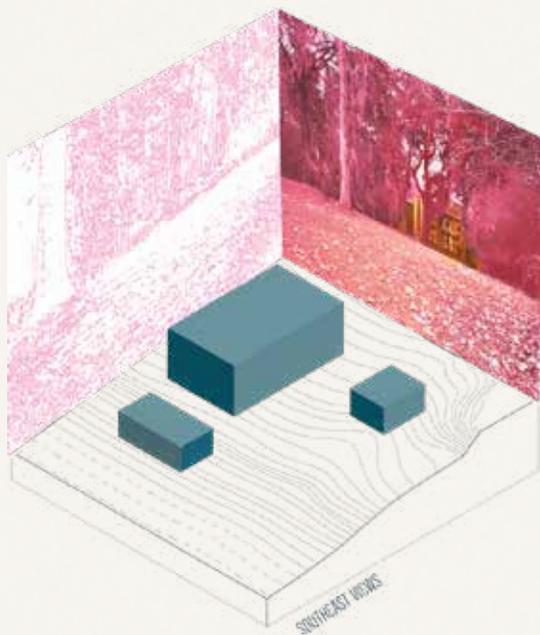
embracing qualities

Just like W.G. Clark did with Middleton Place Inn, the design seeks to embrace the best qualities of the site

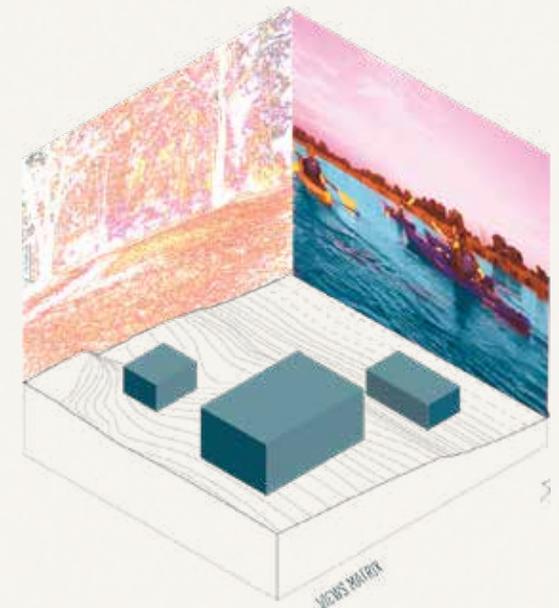
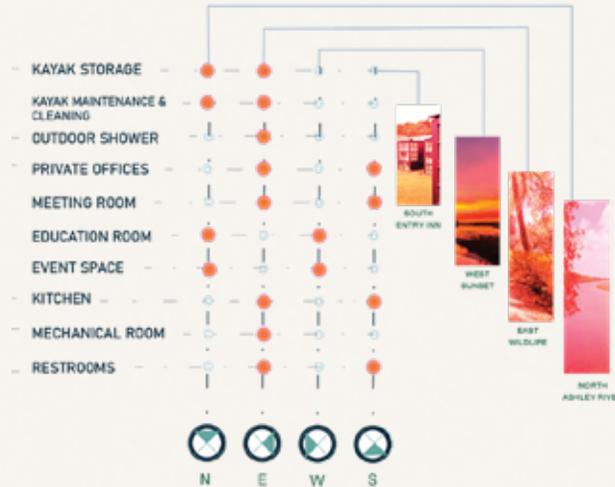


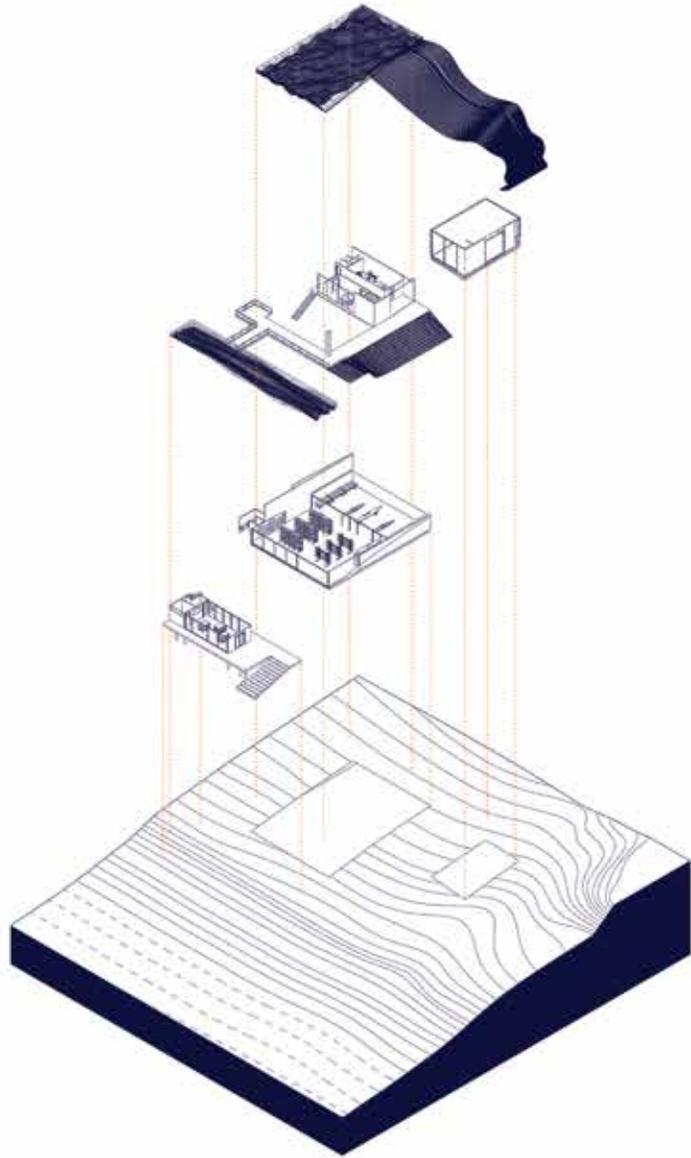
connection to nature

Allow the flow of natural cycles of life through raw elements formed in an asymmetrical pattern

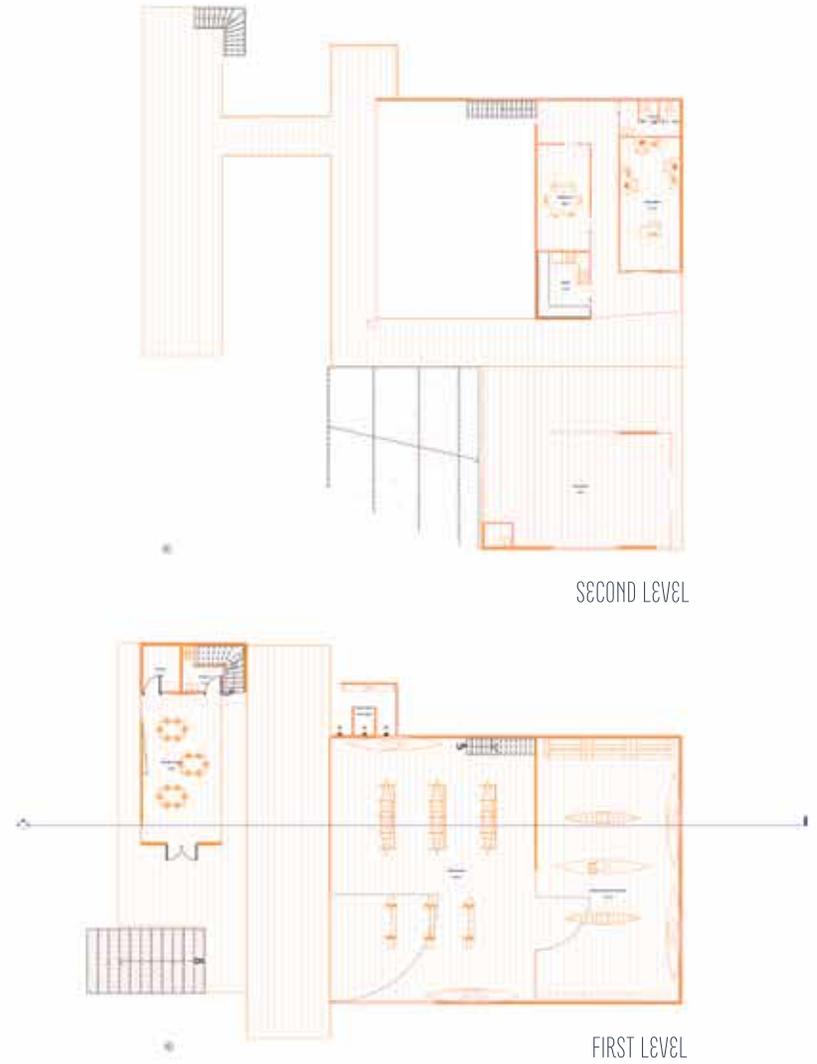


vista



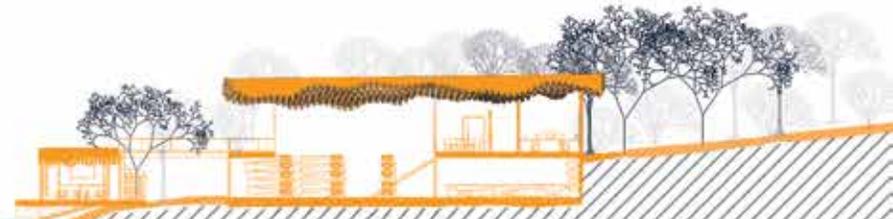


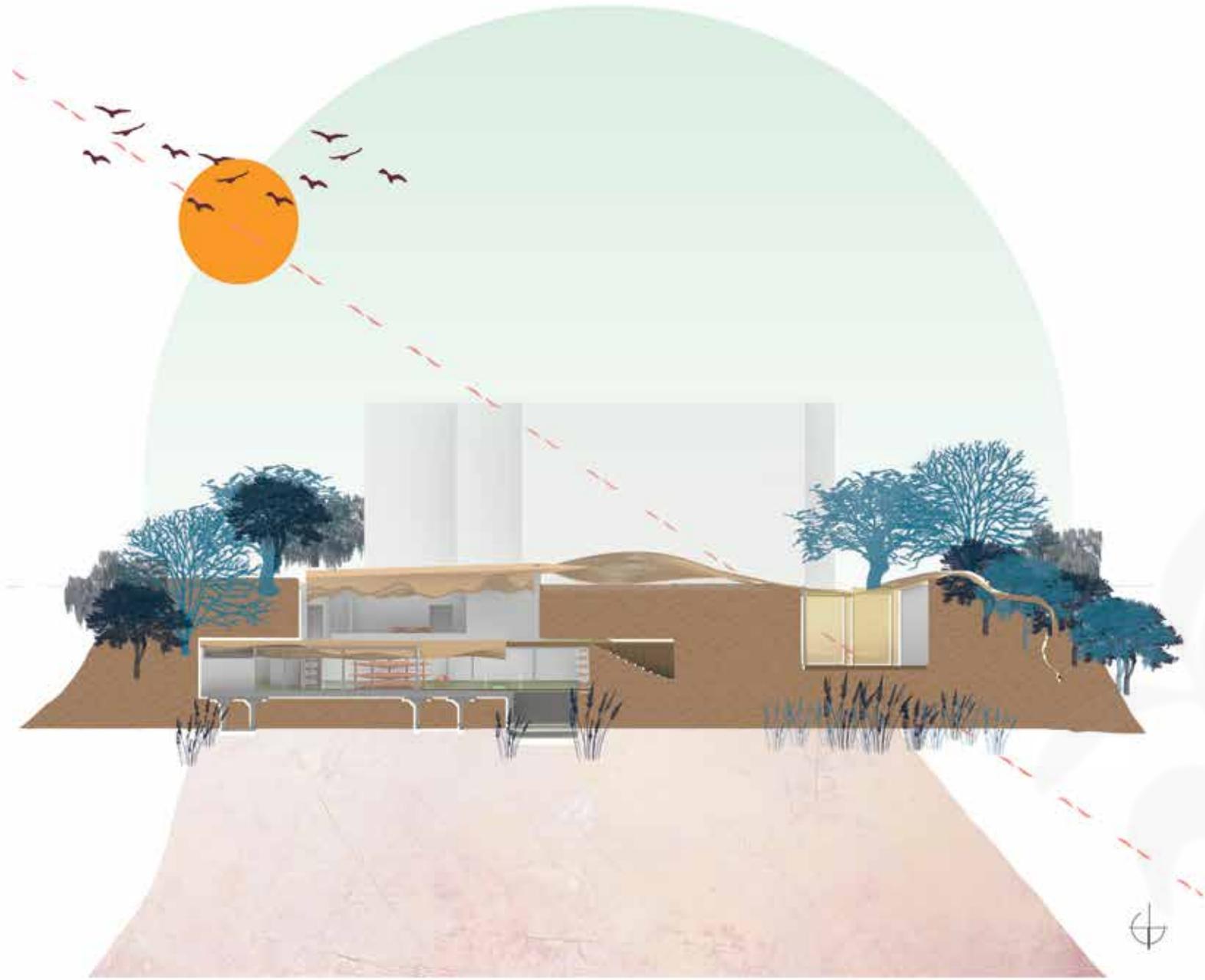
SECTION CUT



SECOND LEVEL

FIRST LEVEL





EXPERIENTIAL DIORAMAS



This particular project allowed me to recognize what I value about architecture and the “why” of most of my overall immediate design decisions. My value statement and what I stand for is: Finding significance in simple experiences and enhancing them by using natural qualities to provide human wellness.

STAFF BREAK ROOM



THRESHOLD



Tij was inspired by the tides, periodic oscillations in the sea level, which come about as a result of the attraction of the sun and the Moon on the liquid particles of oceans.

EVENTS FACILITY



CLASSROOM AND RESEARCH FACILITY



According to the law of universal gravitation (Isaac Newton), the force of attraction between these two celestial bodies is proportional to the celestial body's mass. The movement of the roof is representative of the tides .

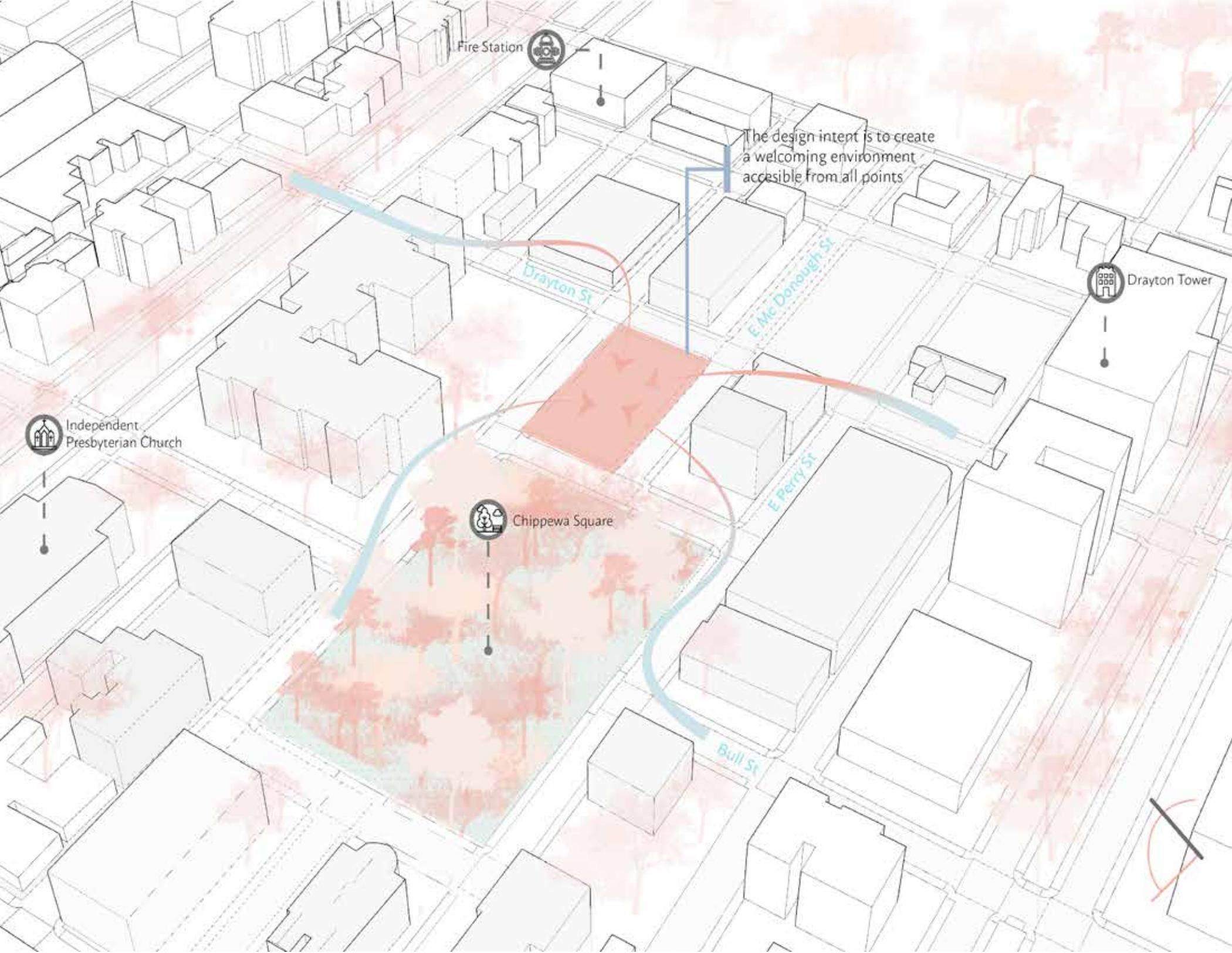


NARRATORIUM:
INTERSECTION
+ INTERACTION

Savannah, Georgia

The Narratorium is an architectural concept that is applied to a building program resembling theatre. Storytelling and narrative are projected, and observed, and therefore program elements include spaces for the telling, listening, and recording of narration. The Narratorium is located on the City of Savannah and the trust lot site which utilizes the restrictions and characterizations of the conditions to expand the conversation on narration. Just like there are people that enjoy going out to crowded public spaces and socialize, there is another end to that spectrum. There are people that go to parks just to watch people go by, and in their mind, they create their own narrative about the people they watch. The design resembles a reinvention of a public space.





Fire Station



The design intent is to create a welcoming environment accessible from all points

Drayton St

E Mc Donough St

Drayton Tower



Independent Presbyterian Church



Chippewa Square



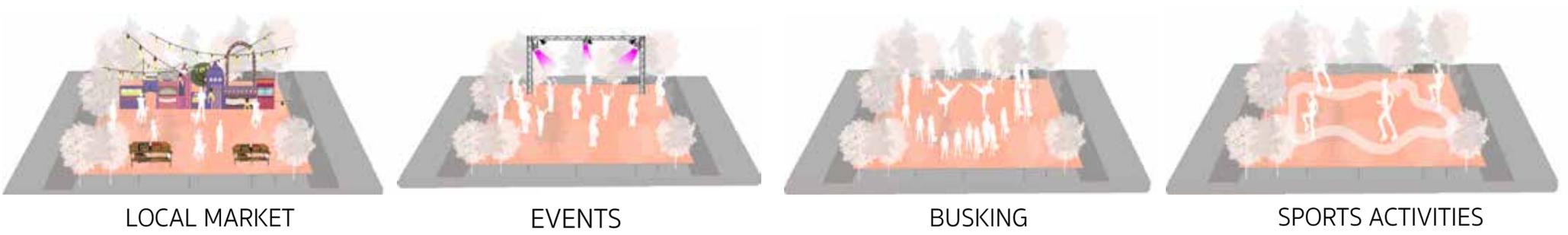
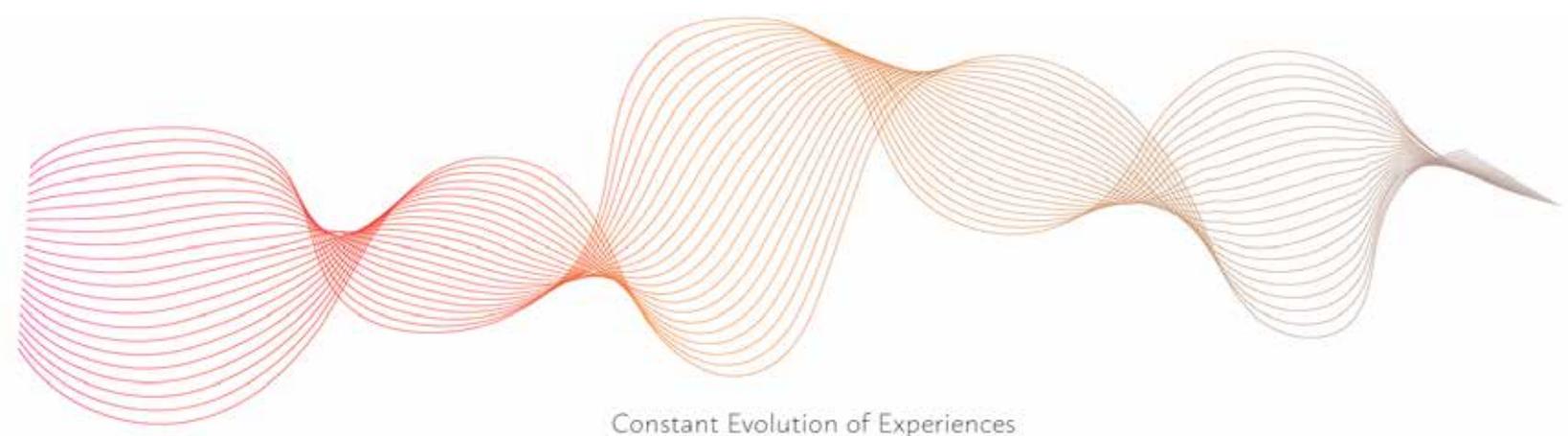
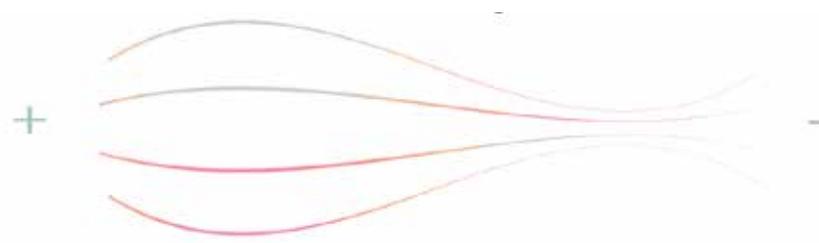
E Perry St

Bull St



ANALYSIS OF EXPERI-

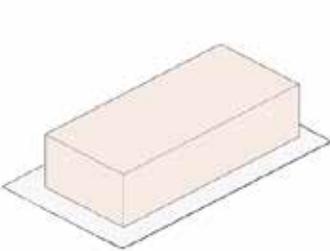
The juxtaposition of environments can guide occupants through them, to experience architectural storylines that bring them closer to each other, and their surrounding contexts. It is the meaning behind the story that architecture conveys that can make all the difference to occupants who experience the design.



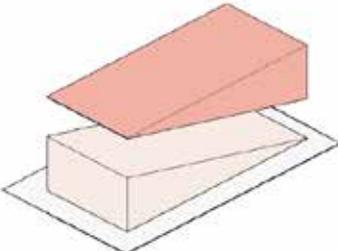
URBAN SQUARE USER SCENARIOS

INTERSECTION & INTERAC-

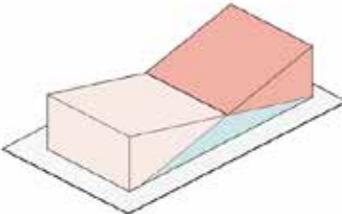
A place where people of different backgrounds, social, economic status, personalities come together as one, and interact as a peaceful community.



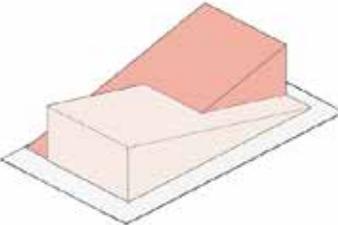
Primitive



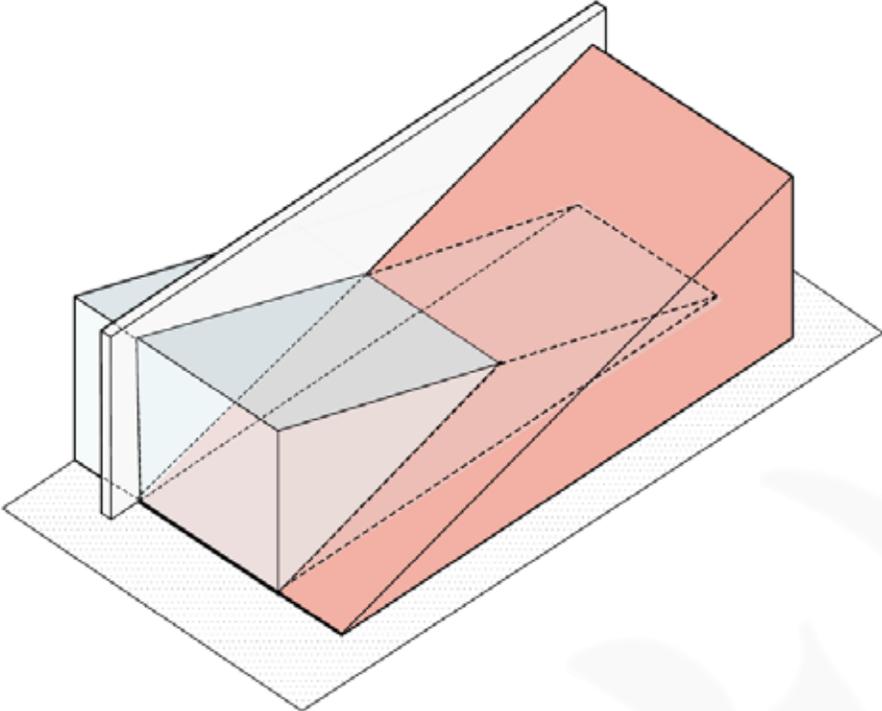
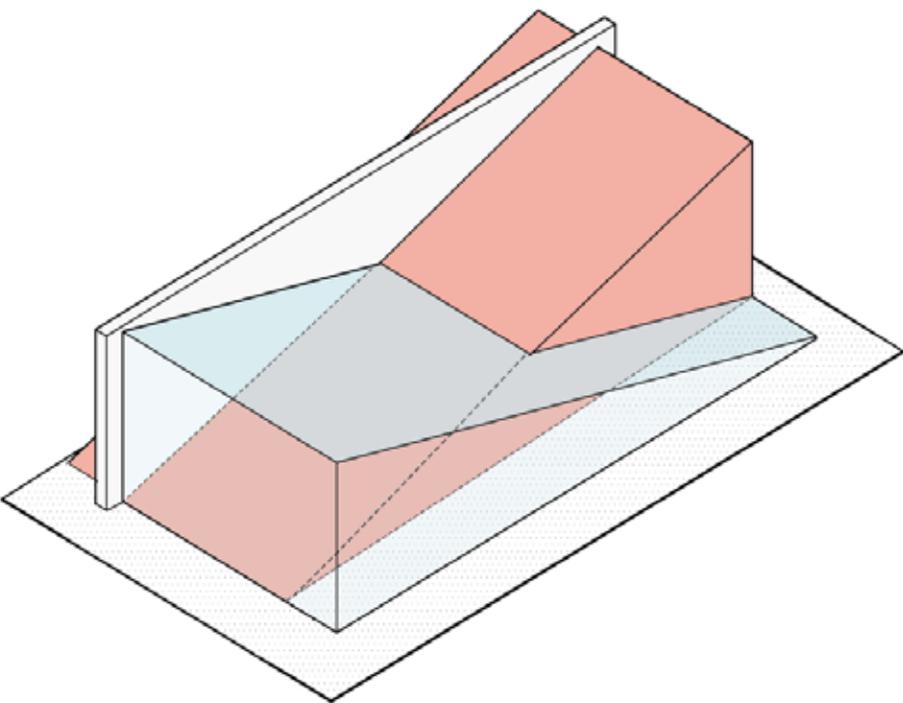
Division

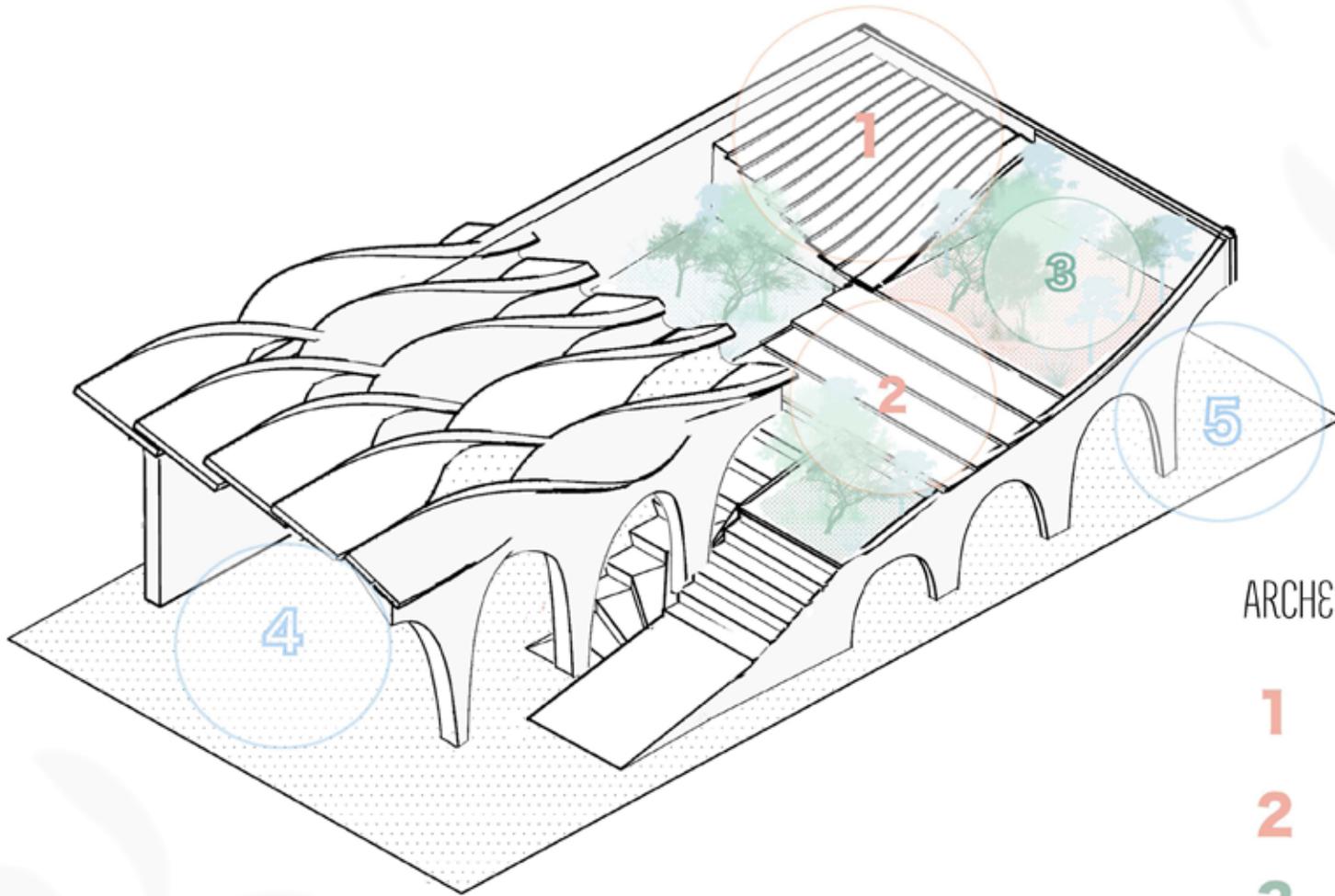


Intersection



Integrity





ARCHES AS A FORMAL ARTICULATION

- 1** Interactive Stairs
- 2** Stationary Stairs
- 3** Vegetated Rooftop Terrace
- 4** Performance Space
- 5** Market/Event Space

longitudinal **section cut**



NARRATORIUM





G O D E S I G N
S C H O O L A N D
M A R K E T P L A C E

In charge of developing digital models in SketchUp for a school project proposal to be constructed in Uganda. GoDesign is a non-profit organization that aims to apply design knowledge to our research to improve building integrity, quality, and sustainability while preserving cultural heritage. The architectural firm is based in Savannah, Georgia but they do their projects mainly in Africa.



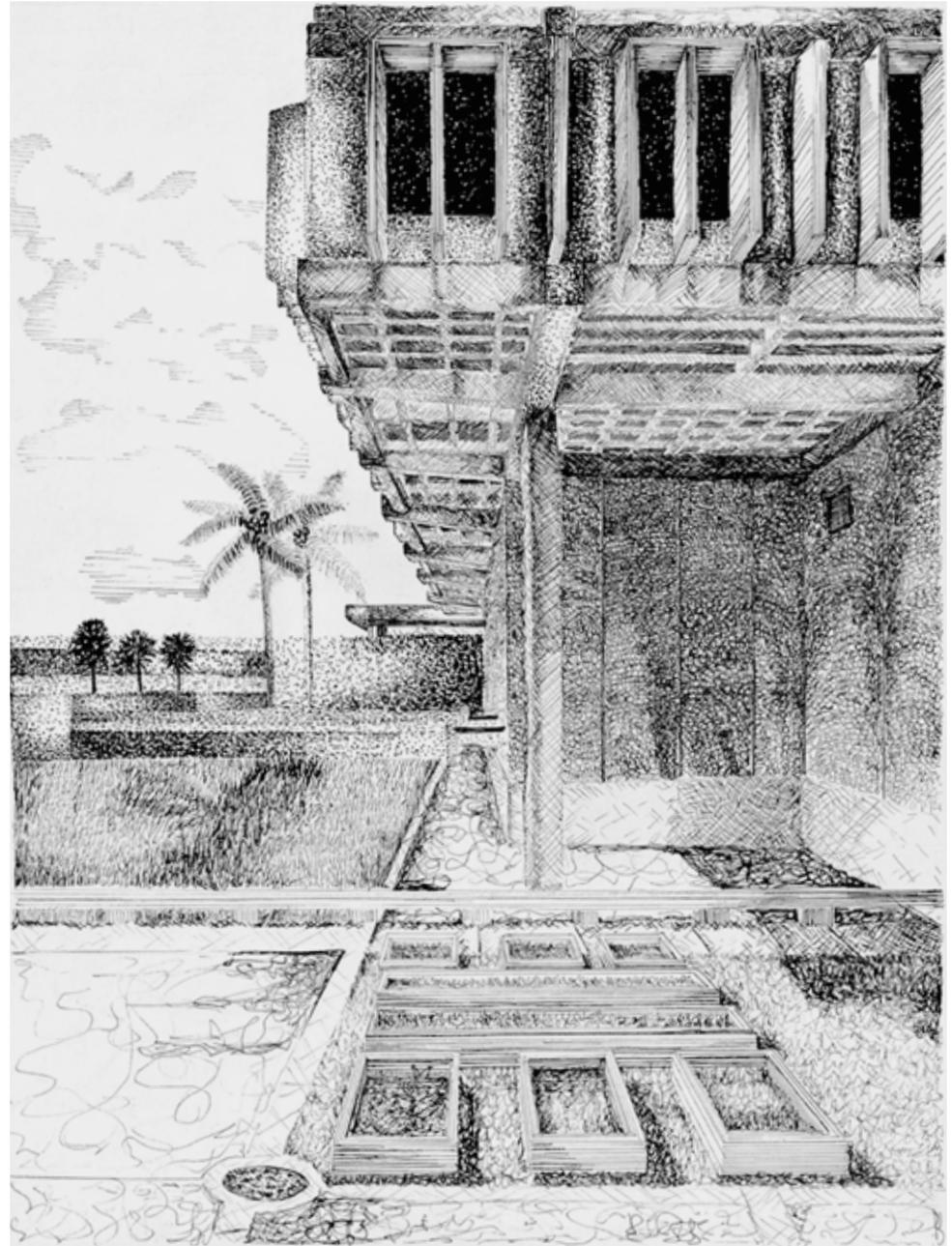




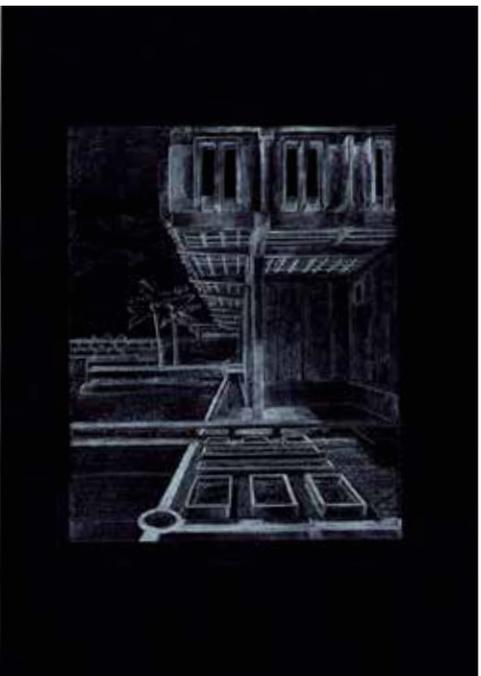
A N A L Y S I S O F
V I S U A L
E X P E R I E N C E

Miami, Florida

Visual experiences like social experiences are complex. The typical reaction to complexity is a process of reduction to operation necessities. Analysis involves the separation of complex phenomena into components, which can be understood. Light, shade and shadow, color, texture, form/space, and perspective and the interaction of components, are explored in this project.



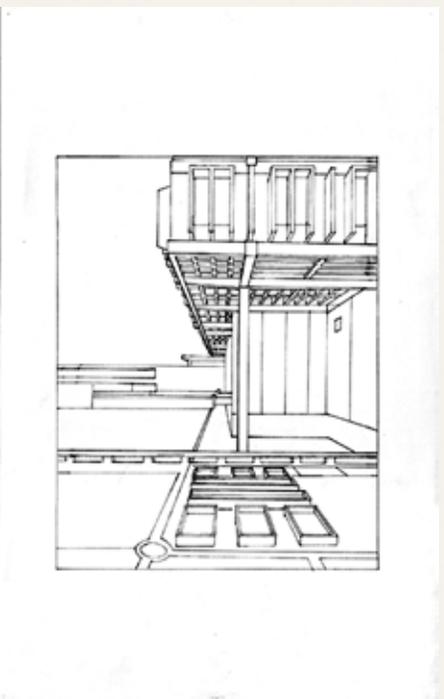
TEXTURE Rapidograph (0.25) with black indian ink Paper Size 12" x 18



LIGHT White Pencil



SPLIT COMPLEMENTARY COLOR SCHEME



LINE Micron 0.5



NEGATIVE SPACE

ART AND DESIGN
/

WITH
GT PUR MIA
POSE

MARIA JOSE GARCIA
yj