

A

A u s t i n h o c l l y

L A N D S C A P E
ARCHITECTURE

C L I C K M E <https://austinhoccllyresume.wixsite.com/portfolio>

POR

TFO

LIO

W E L C O M E

Proficient Resume

AUSTINE HOCLLY OTIENO

" In a world of dreams, the most vivid ones seem to contain a profound meaning and appear like an attempt by a voiceless unconscious to communicate with the sublime conscious mind. "

<https://austinhoccllyresume.wixsite.com/portfolio/resume>

← see portfolio

PROFILE

An accomplished Architectural designer and modern artist with 5 years of experience with extensive knowledge and proficiency in the construction industry. My work celebrates humble materials, subtle contrasts and finely-crafted details. I have a strong interest in modern regionalist and cultural design, local materials, and familiar building forms juxtaposed against modern and contemporary, open floor plans. I employ a minimalist, Shaker-like palette of details inspired by the site and natural surroundings. I believe that having a visual stimulus in your environment is important. Architecture as a whole fascinates me. With a desire to explore how science, art, and technology can be used to improve the performance of buildings and landscapes both socially and environmentally.

PROFESSIONAL EXPERIENCE

Junior architect for SPACIAL MODULAS LTD 2015 - 2016

Professional Duties

- Production of measured and construction drawings.
- Site inspection and approval of building plans through the national construction authorities.
- Production of presentation drawings from sketches to fully resolved and designed solutions.
- Worked with other disciplines like Engineers, Landscape Architects, and Surveyors.
- Involved in designing malls, residential, flats and landscape works within the city of Nairobi.

Golf Course Architect for Kenya Golf Union (KGU) 2017 - 2018

Kasarani golf course | Client - Kenya Golf Union (KGU)

Professional Duties

- Lead consultant of the project
- Lead designer for the golf course.
- Site supervision, inspection, and approval of buildings plan through the national construction authorities.
- Worked with other disciplines like Engineers, Landscape Architects, and Surveyors.

Award winning Bus Terminal project 2017 - 2018

Kiambu Town, Nairobi Kenya | Client - Kiambu County

Professional Duties

- Lead consultant for the project
- Lead designer for the project.
- Liaising with local authorities and regulatory bodies.
- Site supervision, inspection, and approval of buildings plan through the national construction authorities.
- Responsible for specifying the nature and quality of materials required
- Ensuring the project is completed within the schedule and budget

Award winning farmers market in Tala, kenya 2018 - 2019

The floating shell market | Client - Machakos County

Professional Duties

- Lead consultant of the project
- Lead designer for the project.
- Responsible for specifying the nature and quality of materials required
- Production of presentation drawings from sketches to fully resolved and designed solutions.
- Worked with other disciplines like Engineers, Landscape Architects, and Surveyors.
- Involved in designing malls, residential, flats and landscape works within the city of Nairobi.
- Liaising with local authorities and regulatory bodies.
- Site supervision, inspection, and approval of building plans through the national construction authorities.
- Ensuring the project is completed within the schedule and budget

Golf Course Architect for Kenya Golf Union (KGU) 2018 - 2019

The national golf course academy (LENANA GOLF COURSE) | Client - KGU

Professional Duties

- Lead consultant of the project
- Lead designer for the golf course.
- Site supervision, inspection, and approval of building plans through the national construction authorities.
- Worked with other disciplines like Engineers, Landscape Architects, and Surveyors.

Shelly beach Aquatic Centre in Mombasa, Kenya 2019 - present

The Sailing Lagoon | Client - Mombasa County

Professional Duties

- Lead consultant for the project



SOFTWARE SKILLS AMONG OTHERS



TECHNICAL SKILLS

- Have the knowledge of Building Regulations and required Standards. Proficient with 3D vector
- Having the ability to visualize and create in three dimensions.
- Able to work as part of a team and individually.
- Ability to prioritize and plan effectively.
- The ability to withstand a pressured team.
- Ensuring confidentiality at all times.
- Able to communicate effectively both verbally and in writing. In-depth understanding of the construction industry.
- Able to solve problems and issues that arise during construction. Competent with dealing with, emails and telephone queries.
- Fully aware of the Health & Safety regulations and requirements.

EXPERTISE

- HTML/CSS
- Structural designs
- Planning Regulations
- Health Regulations
- Architectural Detailing
- Feasibility study
- Landscape Design / Landscape Grading
- Structure & Building Regulations
- Sustainable Environmental Solutions
- Site Inspection

ABOUT ME

- Bachelor of L. Architecture , JKUAT University 2012-2018
- Certified Oracle Database
- SQL Fundamentals Kenya, Nairobi
- 15th January 1994

STRENGTHS

Problem solving

Communication

Team work

Timing

Responsibility

LANGUAGE

English

Swahili

PRESENTATIONS

- Best presented project on Aquatic Architecture within ocean landscapes in A.S.K (Agricultural society of Kenya) .2019
- Winning design project with KGU (Kenya Golf Union) on the design of National Golf Course Academy (Lenana Golf Course) in Nairobi, Kenya. 2018
- Winning Thesis project representing the School of Architecture and Building Science In (Landscape Architecture) 2016.

CONTACTS

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SOCIALS



@artstinehocclly



The Simba ecolodge

TSAVO WILDLIFE CENTER

ELEVATION
SCALE 1:350



PLAN
SCALE 1:350

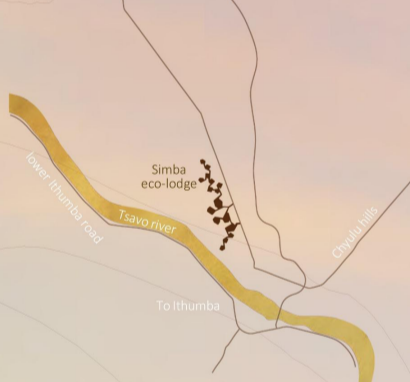


Tsavo National Park is one of the oldest and largest parks in Kenya at 13,747 square kilometres. Situated in a semi-arid area previously known as the Taru Desert it opened in April 1948, and is located near the town of Voi in the Taita-Taveta County of the former Coast Province. The park is divided into east and west sections by the A109 road and a railway. Named for the Tsavo River, which flows west to east through the national park, it borders the Chyulu Hills National Park, and the Mkomazi Game Reserve in Tanzania.

LONGITUDINAL SECTION
SCALE 1:100



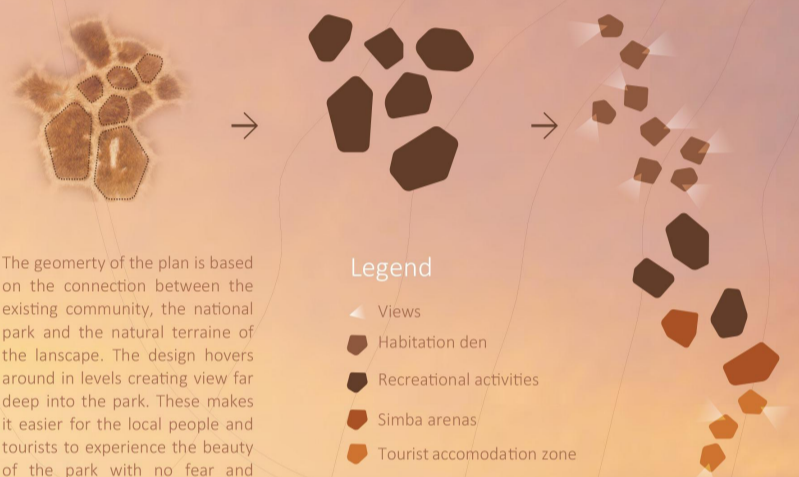
ZONE DISTRIBUTION
Tsavo National Park



1. ORGANIC GEOMETRY

2. ADAPTATION PIECES

3. FORMALIZATION



The geometry of the plan is based on the connection between the existing community, the national park and the natural terrain of the landscape. The design hovers around in levels creating view far deep into the park. These makes it easier for the local people and tourists to experience the beauty of the park with no fear and connect with some of the most dangerous animals. A series of huge timber and steel biopyramids will also be used to breed and raise endangered birds like the blackfaced spoonbill. "The form of the bird cage was decided through studies of the spoonbill's flight paths, which tend to be in circles."

Legend

- Views
- Habitation den
- Recreational activities
- Simba arenas
- Tourist accomodation zone

DESIGN STRUCTURE

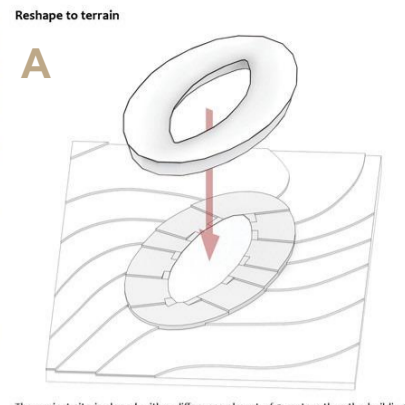


The Simba ecolodge will also study and protect variety of species the lions, buffalos, freshwater tortoise, which are threatened in part by illegal sales to places like China for meat, and animals like the rhinos, snakes, and blue duiker, which are threatened most by loss of habitat. Ideally, the ecolodge will also bring more people to the wild park, since it includes a community recreational center for visitors. The design also minimizes human impacts on the local environment by including as many sustainable features as possible, like viewing decks, a miniaturaquatic centre with a geothermal heating and cooling system, and building locations chosen to maximize recreational experiences and research. It's also designed to blend into the surrounding terrain and wild forest – or at least as much as is possible for tall timber and steel structures.

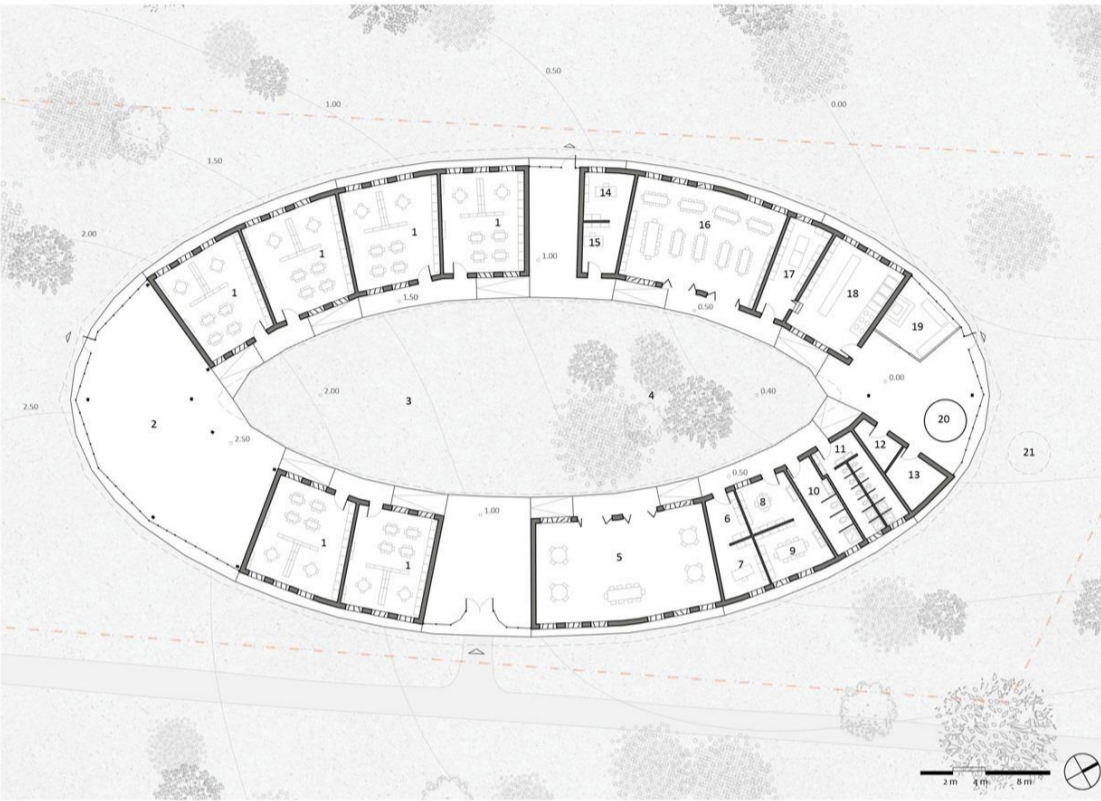
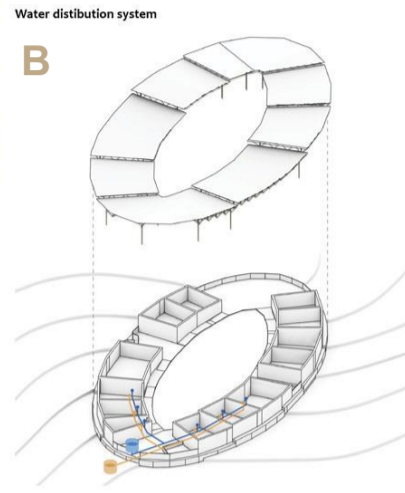


K A P E N G U R I A

NEW PRESCHOOL PROPOSAL



The project site is sloped with a difference almost of 3 meters thus the building is adapted to it and creates stepped building which enhances the functional organization.



New Preschool PROPOSAL

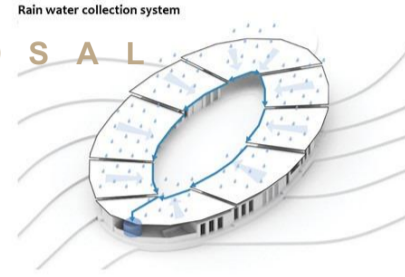
The necessity of a new preschool is urgent for the area, therefore, it is proposed a new project for the district which can provide for disadvantaged children. The propose is to build an oval preschool to fit the plot, this form protects within children and gives a quiet and secure space, allowing to reach quickly every place. The possibility to overview all areas and direct contact between each class can enhance the sense of community and belonging. The continuity of the body of the building is divided into four pieces hence the four opened points create open space and are allocated the emergency exits.

The continuing roof forms space for playing where it does not cover the building and, besides, all center is a courtyard which hosts many activities and provides an area for an orchard to make an educative and relaxing space.

The preschool provides a place for the child where he can learn and play with other children, feeling protected.

Plan Legend

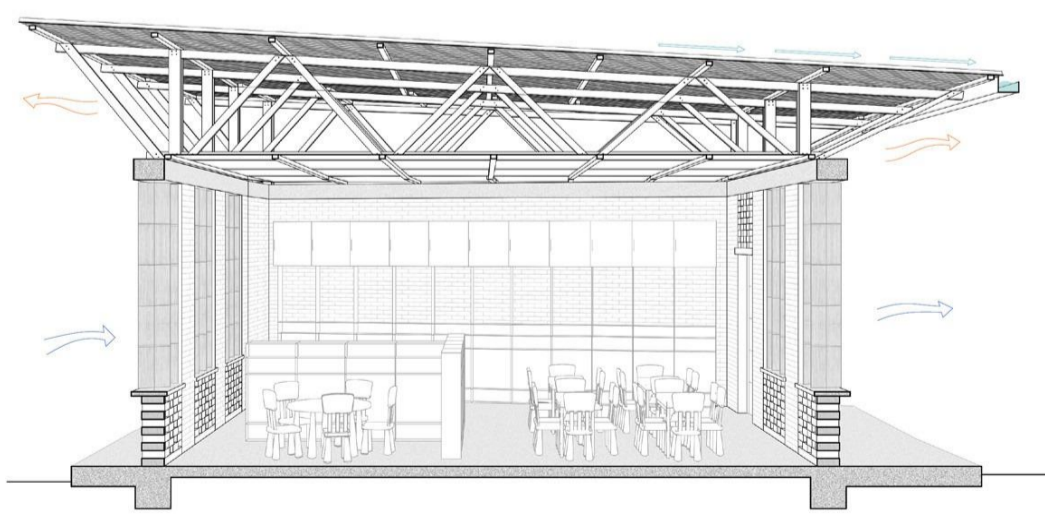
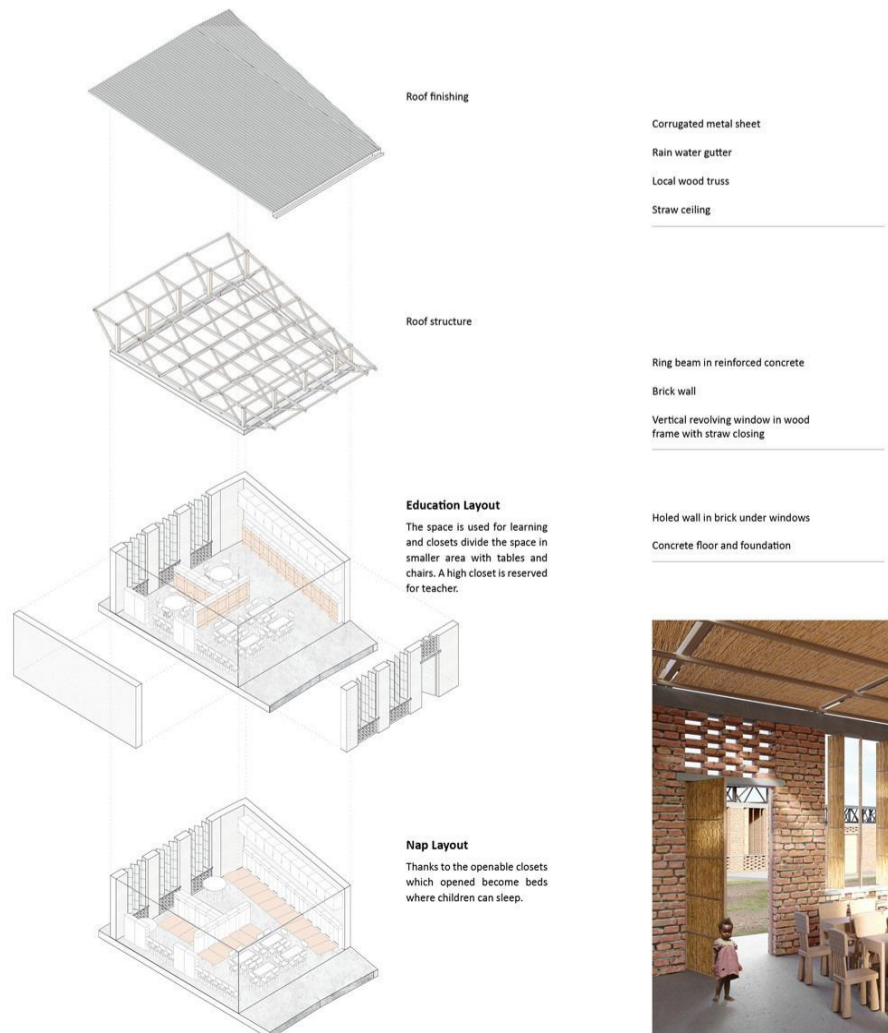
1. Classroom
2. Covered open space
3. Courtyard
4. Orchard
5. Multi purpose space
6. Janitor office
7. School management office
8. Infirmary
9. Teacher's room
10. Adult toilet
11. Children toilet
12. Cleaning material storage
13. School material storage
14. Principal office
15. Secretary office
16. Dining room
17. Pantry
18. Kitchen
19. Open kitchen
20. Water tank
21. Septic tank



The stepped roofing that allows to gather of the rainwater and leads it to the water tank in the lowest point of area thanks to gravity. There is the septic tank near the water tank but outside the perimeter wall to avoid smell.



Longitudinal section 1m 2m 4m



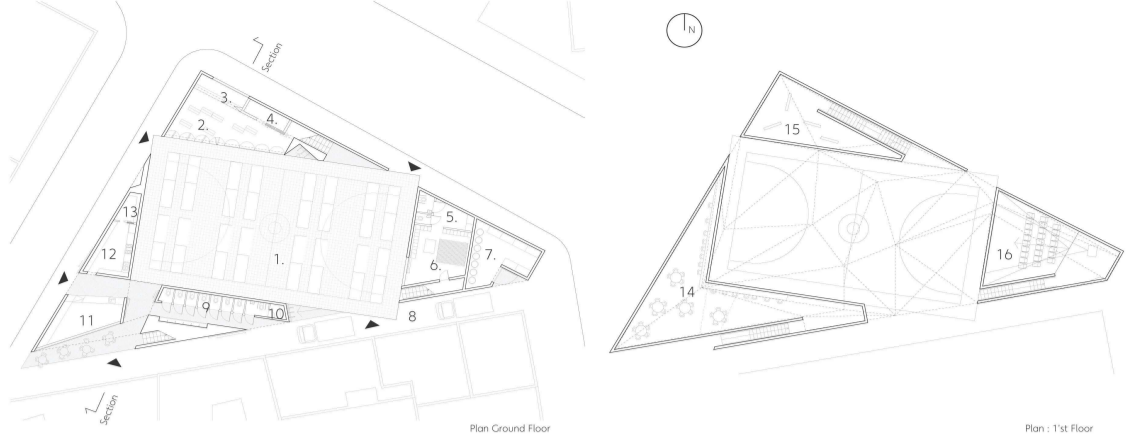
Construction system

The aim is to project a build with easier and known technology system and choose materials available in the local area to be sustainable by the community. So the wall is in brick to protect and obstruct the heat come in, a double roof with waterproof corrugated metal sheet to block the sunray and gather water. The wood is used in columns and horizontal truss to bear the load, even solar panels, and make free space for ventilation. To make a solid floor that can lay on sloped terrain a layer of concrete forms the base of the building. The classroom has high windows to facilitate natural ventilation from one side to another and they are made in wood and straw.



MACKINNON MARIKITI

M O M B A S A



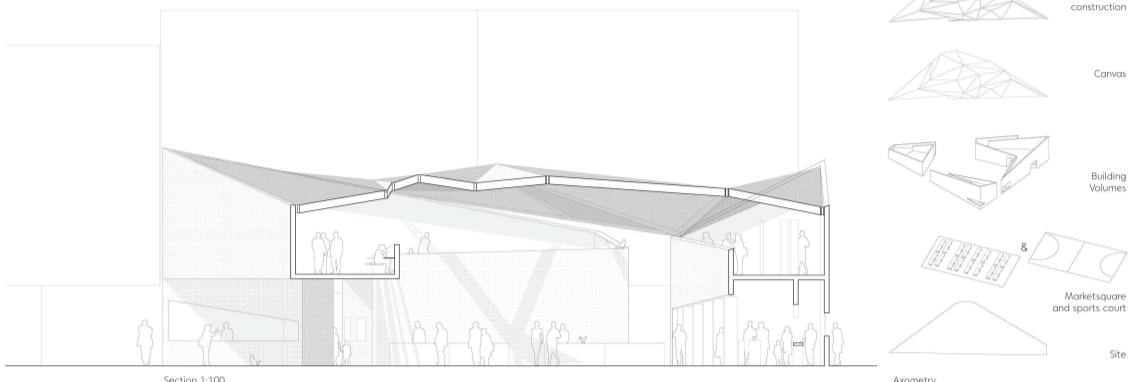
- 1. Market square and basketball court
- 2. Kiosk and info
- 3. Cashier serving inside and outside to the street
- 4. Storage for kiosk and info
- 5. Staff restroom and toilets
- 6. Staff lockers and storage for market tables
- 7. Waste
- 8. Backstreet for service and access to the court
- 9. Public toilets
- 10. Storage for cleaning articles
- 11. Cafe desk
- 12. Kitchen and scullery
- 13. Fridgeroom
- 14. Cafe seating area
- 15. Gallery for local artists / information area
- 16. Outdoor, covered cinema

CONCEPT: The market hall is given precedence on the site. A 22.5m x 12.8m rectangular square is placed on the site and angled so that the corners create controlled entrance points to the north, south and west. The building volumes are placed in the remaining spaces protecting the market space from traffic noise. The volumes appear as a continuous wall which is wrapped around itself with a clear inside and outside. People can move around, through and on top of each of the three volumes.

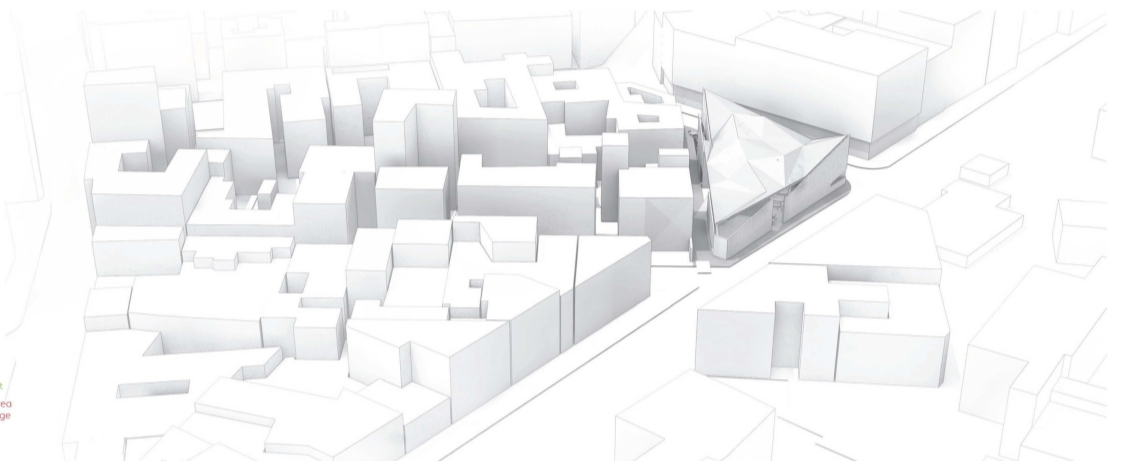
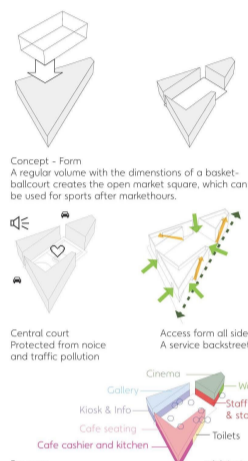
SITE AND CONTEXT: The market has three main entrances which lead you directly into the market square from the adjacent streets and two secondary entrances which lead you through the cafe volume. By creating a pedestrianised passage on the south end of the site people are able to circulate around all three facades. It acts as a buffer space to the market and functions as a service route, in which delivery vehicles can drive through without difficulty.

DESIGN: The design is composed of 3 main elements. The square - which can be used for sports and recreation after the market is closed. The building volumes - which house the main functions on two levels. The walls are angled so that visitors are able to peer down into the market when standing on top of the volumes. The roof - a light canvas clad structure which will let light through yet protect visitors and employees against the heat from the sun.

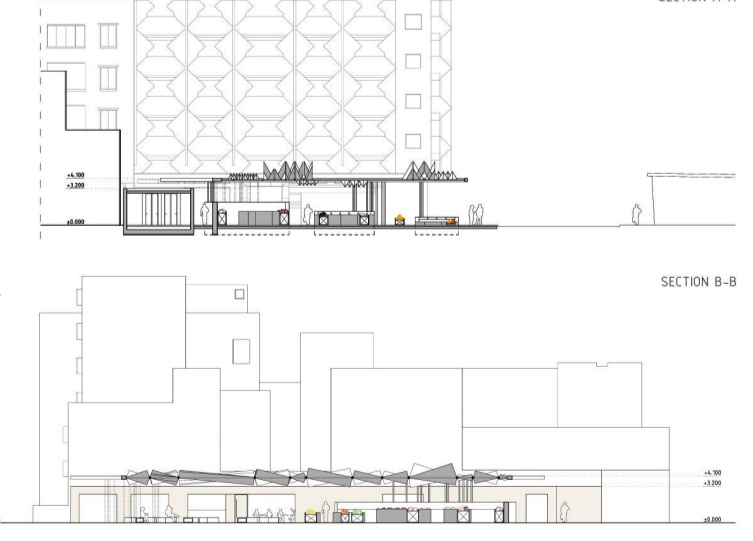
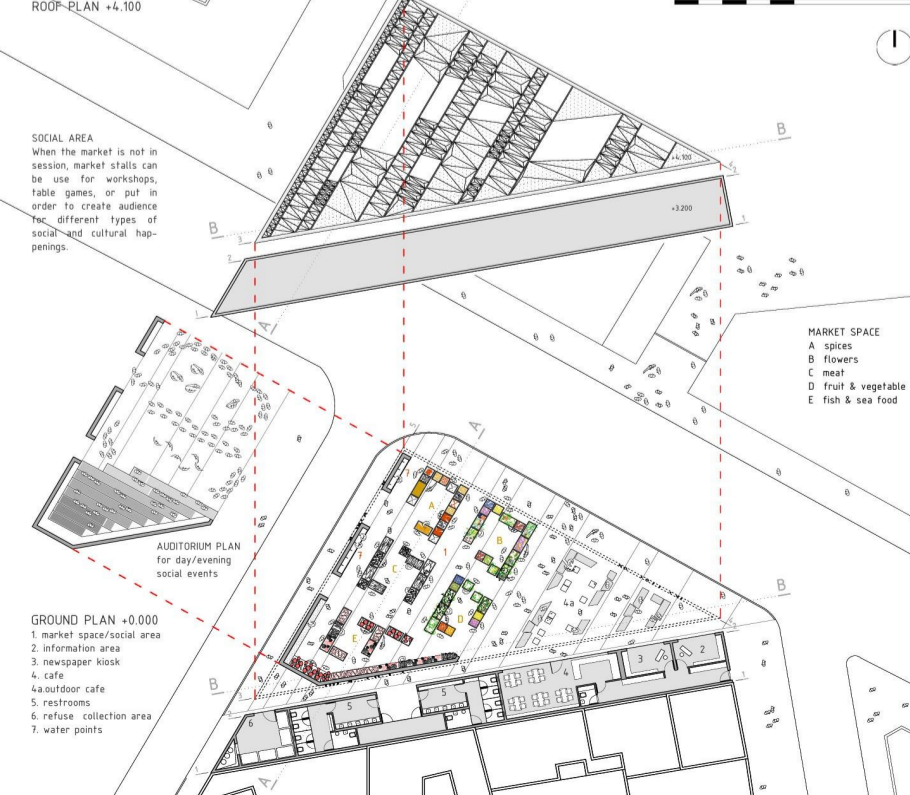
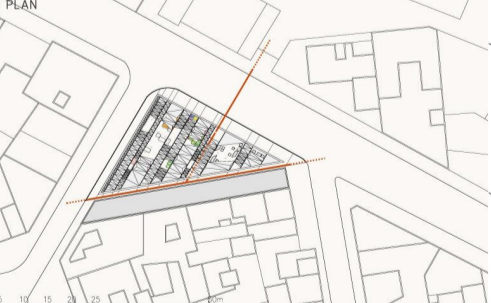
SUSTAINABILITY: The project is based on the reuse and recycling of local materials. The roof is fitted with photovoltaics which will be the market's main source of renewable energy and can be used to illuminate the roof at night. The use of massive walls and natural ventilation will ensure a pleasant climate within the building.



MARKET COURT



MARKET SQUARE



Design Concept is based on ideas of flexibility, sustainability and heritage continuity. Proposed design considers those principles in a different scale and various aspects, emphasizing the character of a site, local customs and specific functional needs of this particular moment.

Volumetric approach is based on gradient shift from solid to transparent volumes. Concept is developed through process of volume decoupling, from solid forms at the back plane to the transparent character of the main street.

Aesthetical aspect is developed by transforming traditional Moroccan design into contemporary architecture expression. Traditional Moroccan pattern, that consists the repetition of triangular shapes, become a main part of design concept. Depending of volume where pattern is applied, rectangular shapes are developed in different ways. On canopy structure is three-dimensional, on furniture is two-dimensional, like texture, while on the facilities objects and pavements is more abstract.

The structure concept

The structure folding system

traditional Moroccan carpet
triangular net in horizontal plane
spatial folding of triangles
folding all in gables
linear elements triangulation
triangular net folded in vertical plane
principle of mobility: roof and ground structure

shape of folding phases

phase 1_solid roof
phase 2_semi-open roof
phase 3_open roof

TRANSFORMABILITY is dominant part of functional aspect. All of the facilities (such as informational area, cafe, restrooms...) are designed at the back of the location, to leave open space orientated to the main street. Market place is designed with removable stalls that can be transformed in to the auditorium to support different kinds of day/evening events.



DESIGN PROPOSAL

UPCYCLE PARK: RIVER NYANDO

HISTORY

The master plan was inspired by Kai Tak airport in Kowloon city. The low flying plane casting shadow onto the street created a visual phenomenon that connect the neighborhood. It was a generational experience for the neighborhood. The design reinterpreted this thrilling memory in a contemporary way. Several platforms were created as an abstract form of an airplane. They served as a bridge, a pool and a stair above the canal.

SUSTAINABILITY

Upcycle Park is an urban oasis that is contextual, functional, and entertaining. The park has recycled parts from old airplane and create ecology for various native species. It is a futurist park that reminds it's users of the history of Ahero Airport.

LOCATION: AHERO TOWN

CLIENT: KISUMU COUNTY GOVERNMENT

DESIGNER: AUSTINE HOCLLY

SECTOR: PUBLIC URBAN PLANNING

PROJECT COST: \$8,000,000

ADDITIONAL CREDITS: VICKY CHAN, ALEX MAILLOUX, AIME VALES

Shadow of the airplanes landing at old Kisumu Airport created an interesting shadow which appeared as an urban connection between multiple buildings in Kisumu City.



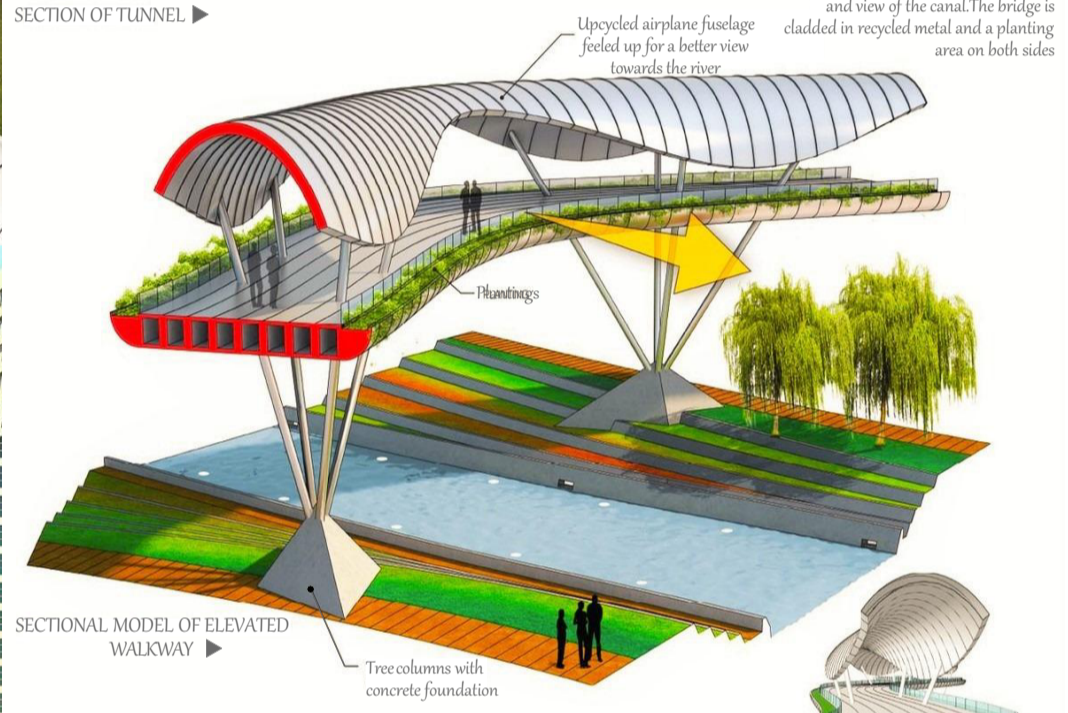
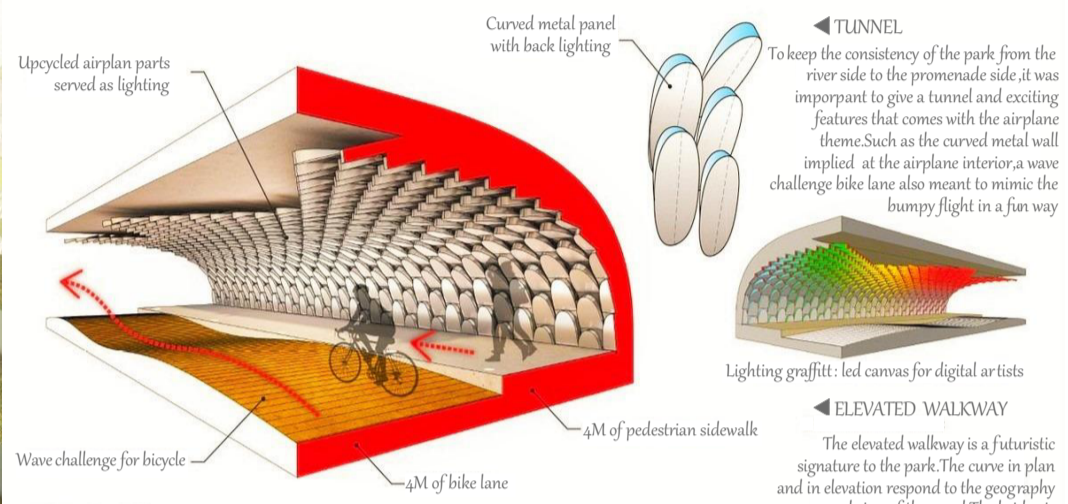
IDEA & OBJECTIVE

It is a new brand identity that respects the history of Ahero's development. At the tip of the harbor-front promenade, the platform extends into the harbor and creates a bigger area for recreation. The promenade is in alignment with river/rock, which makes this park design consistent to the Ahero master plan but also consistent to the spirit of the historic Nyanza region.

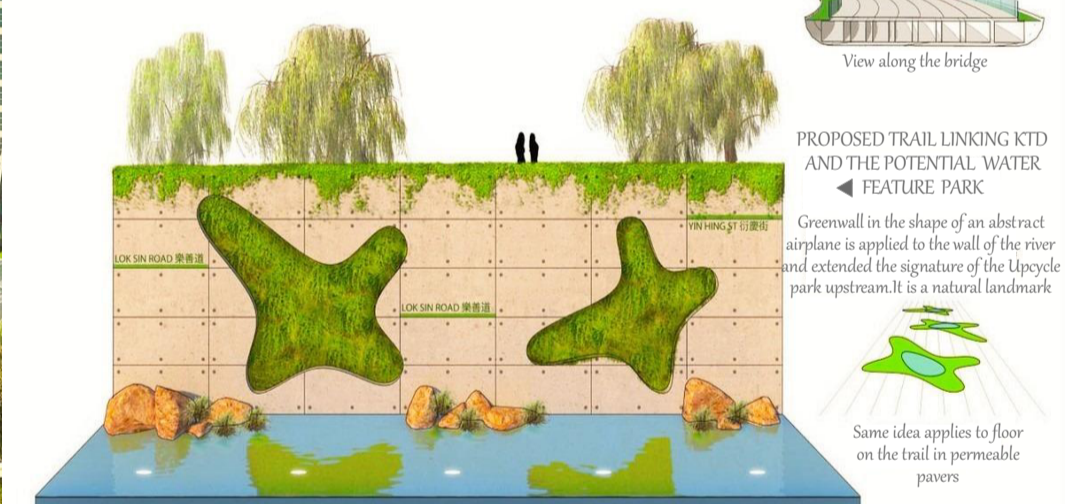
WATER FRONT



FLYING BRIDGE

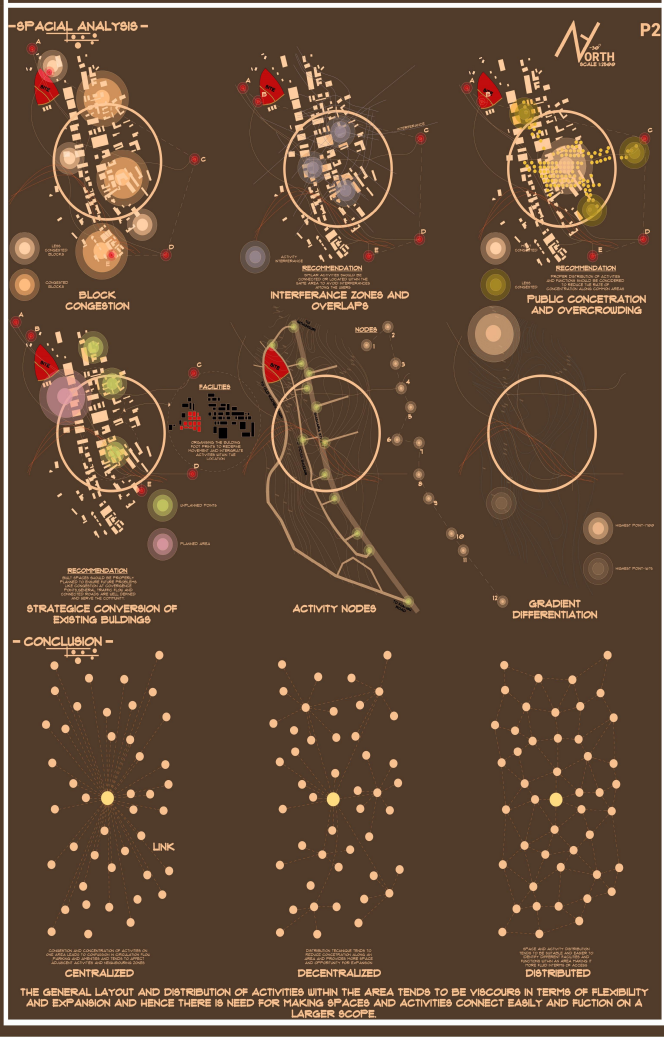
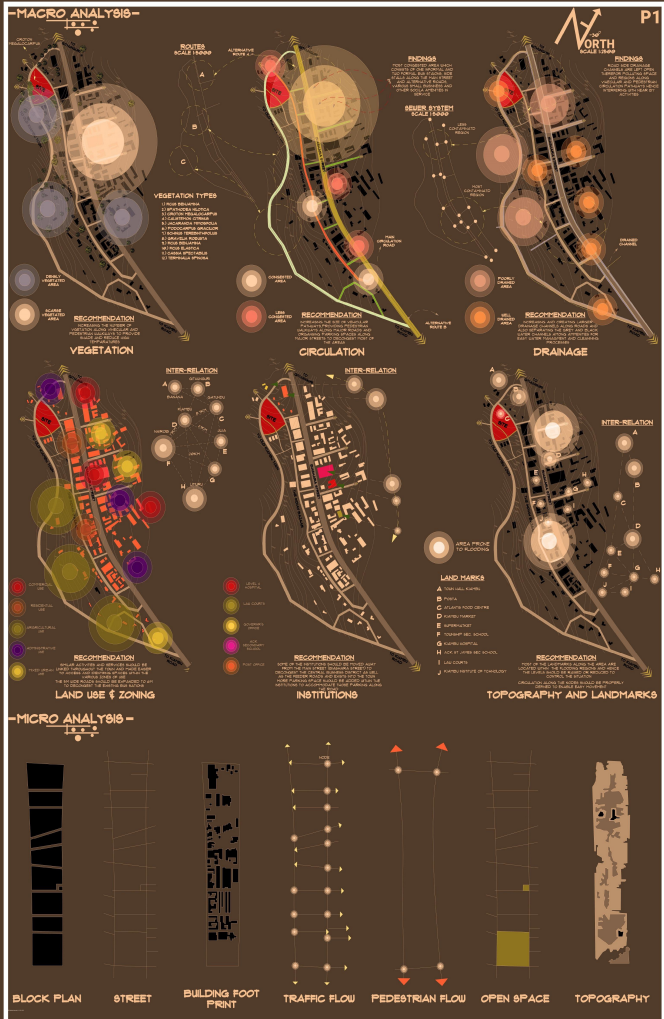


AERIAL VIEW



FLYING THEATRE





DESIGN CONCEPT

THE ZIG-ZAG TERMINAL KIAMBU

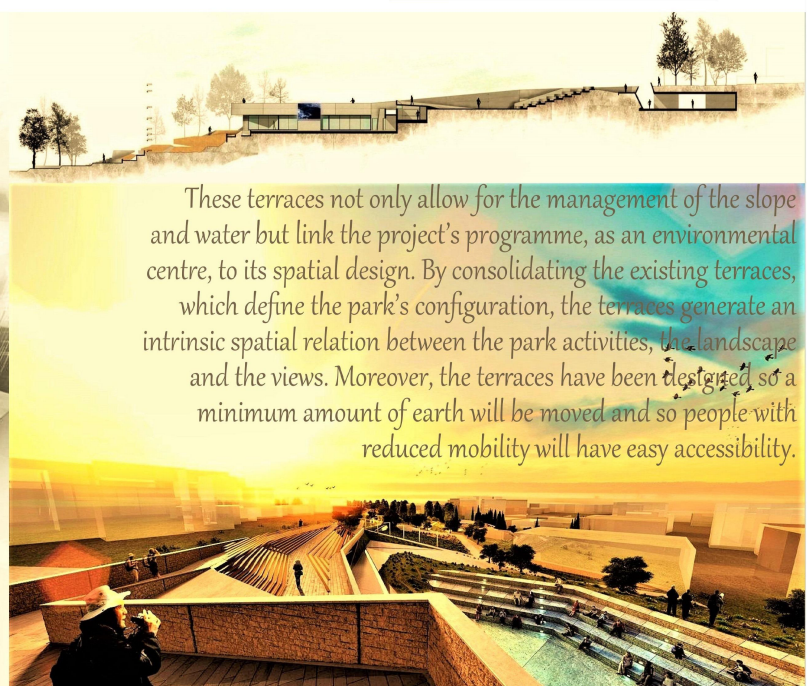
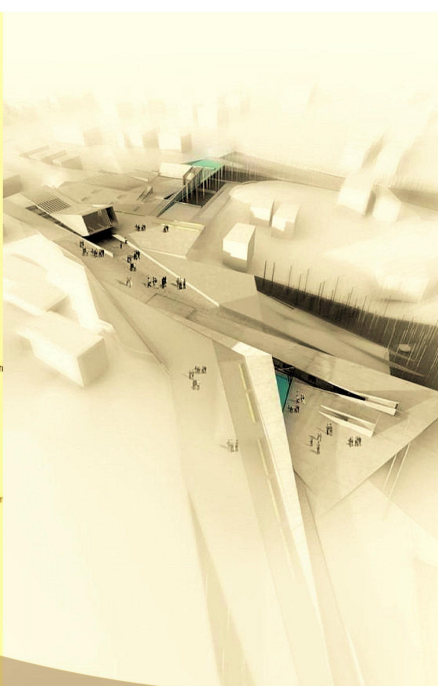
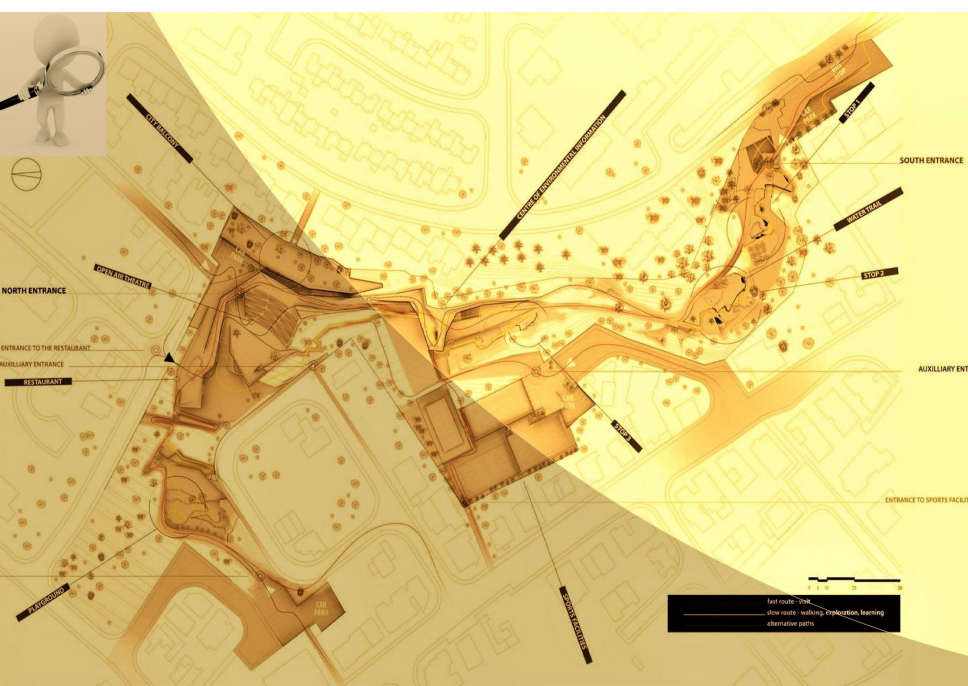
The vegetation in the park has been selected from native species to make it more sustainable, as well as preserving the majority of existing trees in Kiambu. The bush giving its name and character, olive and lemon trees, grapevines, agricultural species, eucalyptus, etc, play significant roles.



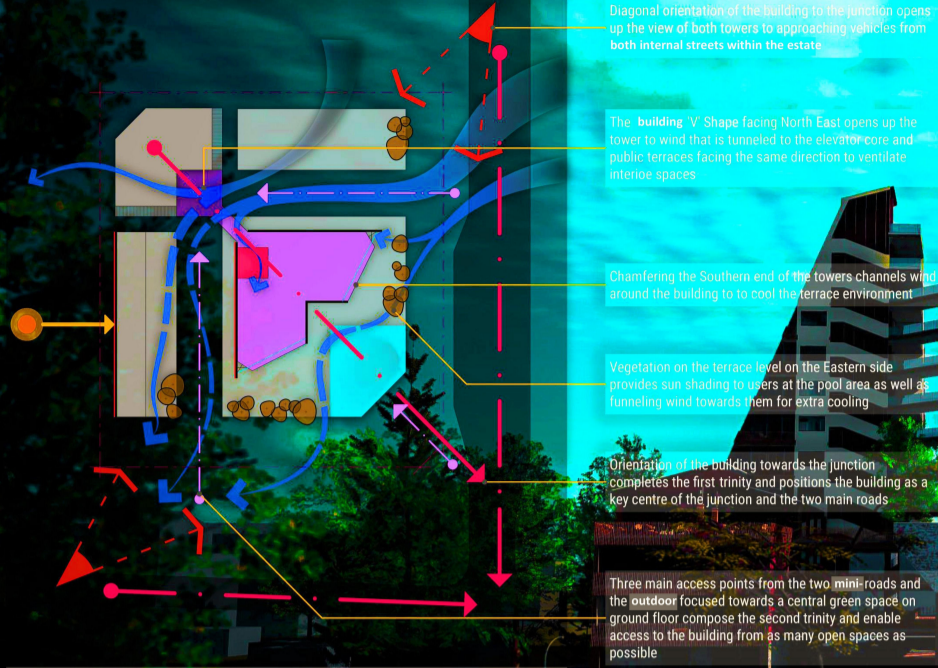
DESIGN CONCEPT

THE ZIG-ZAG TERMINAL KIAMBU

The main building serves as an entrance that connects various access points of the site with the bus park in two different levels allowing visitors to access the open air terrace of the above facilities (roof gardens, restaurants etc) to enjoy the views and sit facing the entire park.



1 TRINITY OF SPACE

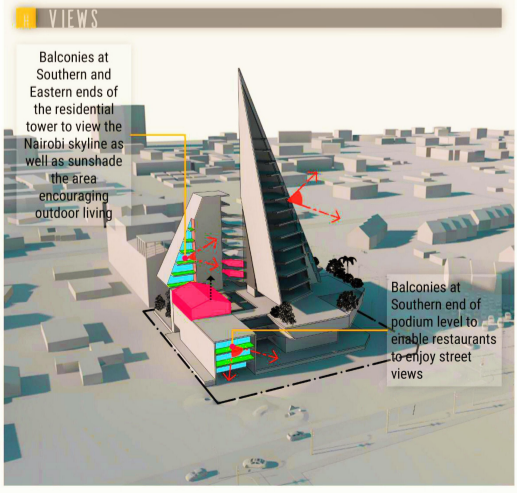
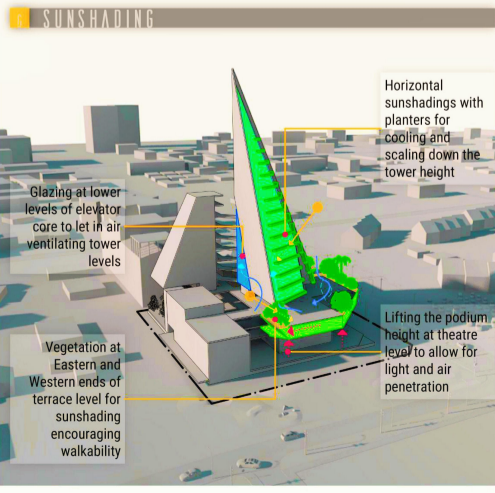
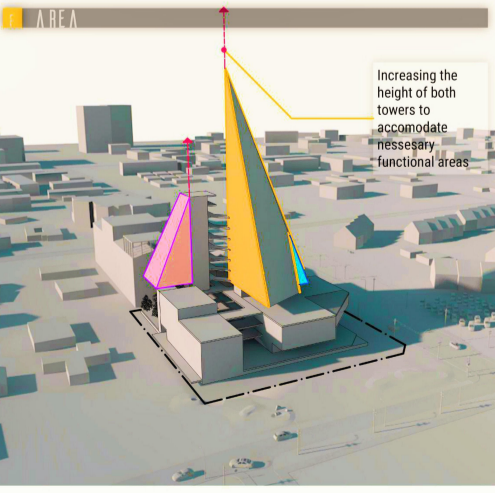
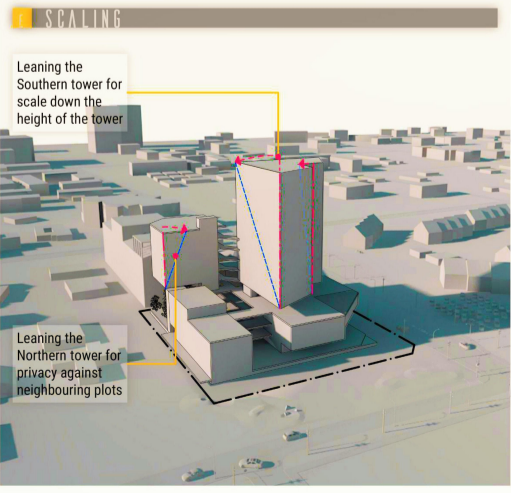
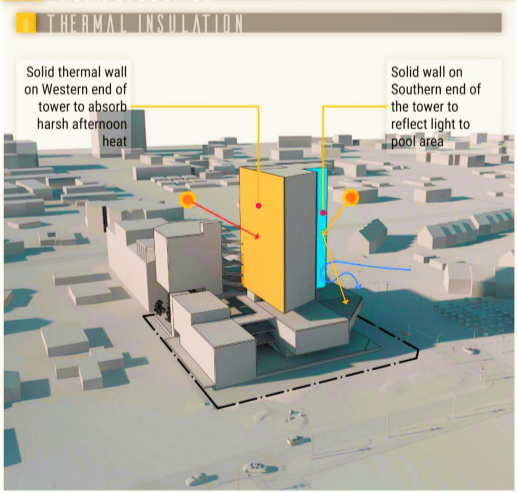
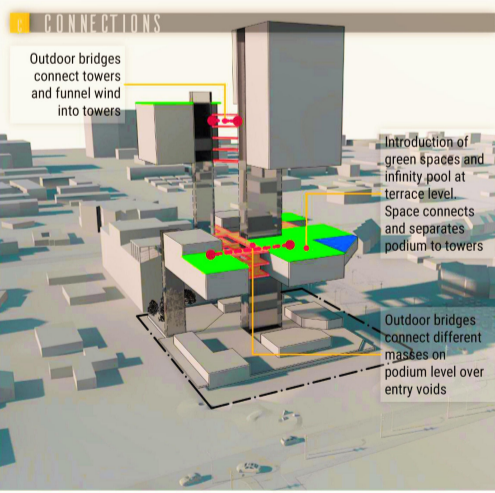
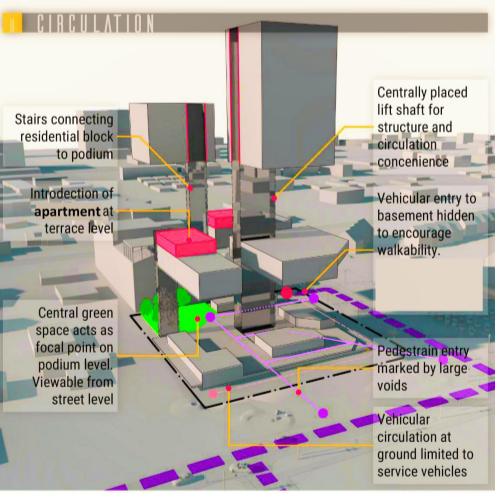
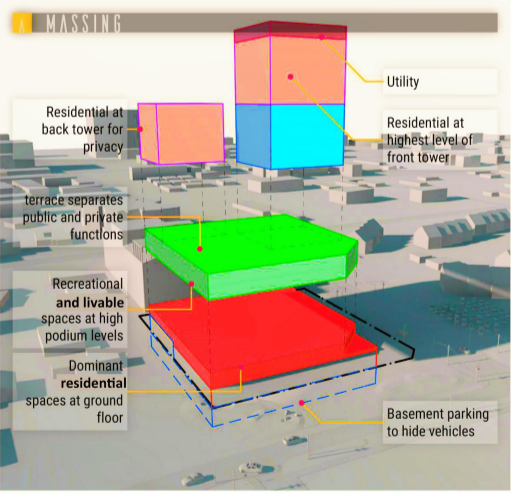
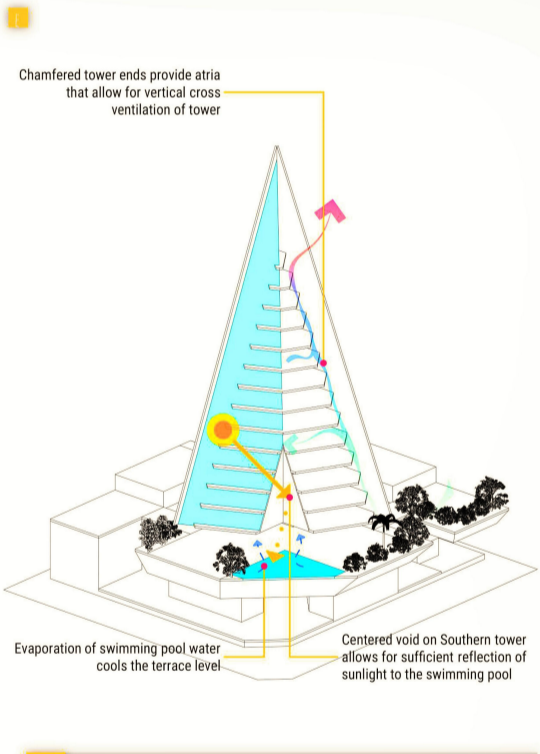
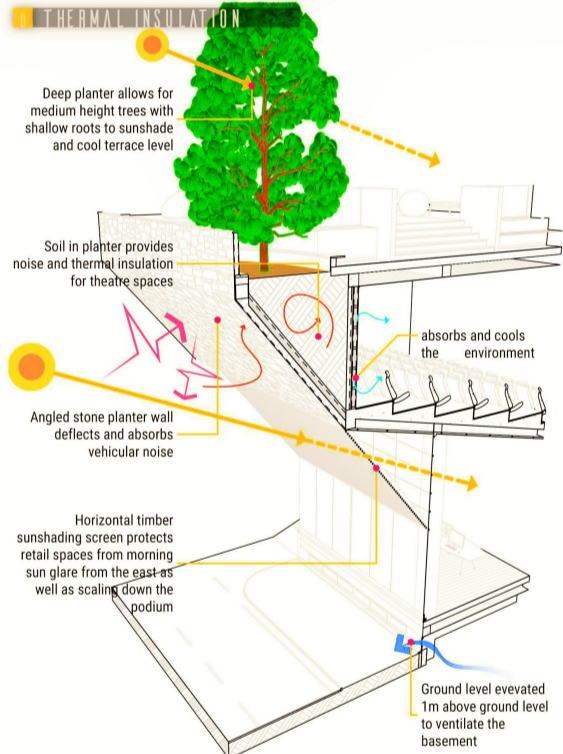
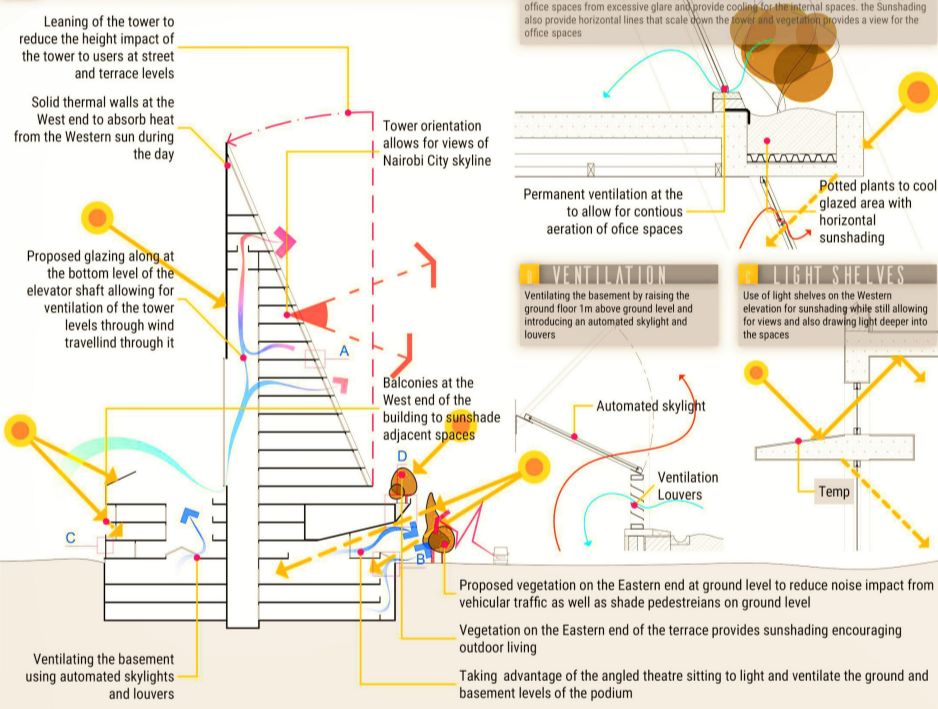


Trinity of space is a trilogy of trinities that aim to position the building as a key element focused towards the outdoor open spaces. The design's focus towards the building is important as this is the primary source of both pedestrian and vehicular traffic, opening it up for commercial viability and influence over the general area.

- TRINITY 1** - Orienting the building towards the west completes the first trinity between the indoor outdoor green spaces & now the building.
- TRINITY 2** - The design proposes 3 main pedestrian accesses from which the neighbouring towers and relaxation space all focused towards a central green space and marked by large voids and atria completing the second trinity.
- TRINITY 3** - Massing the building into 3 distinct solids; the podium, green spaces and residential towers all connected by outdoor spaces for privacy and environmental reasons such as a recreational terrace and bridges.

Trinity in transformability is an important part of functional aspects within a MIXED URBAN DEVELOPMENT structure. All the facilities such as lobbies, living rooms, are at the front of the location to leave open recreational roof level and other spaces oriented to the main streets. The structure is placed and designed with removable decks (sliding doors to offer that indoor outdoor experience between levels/floors) that can be transformed into an auditorium to support different kinds of day and night events within a block

2 COMPOSITE CONCEPT

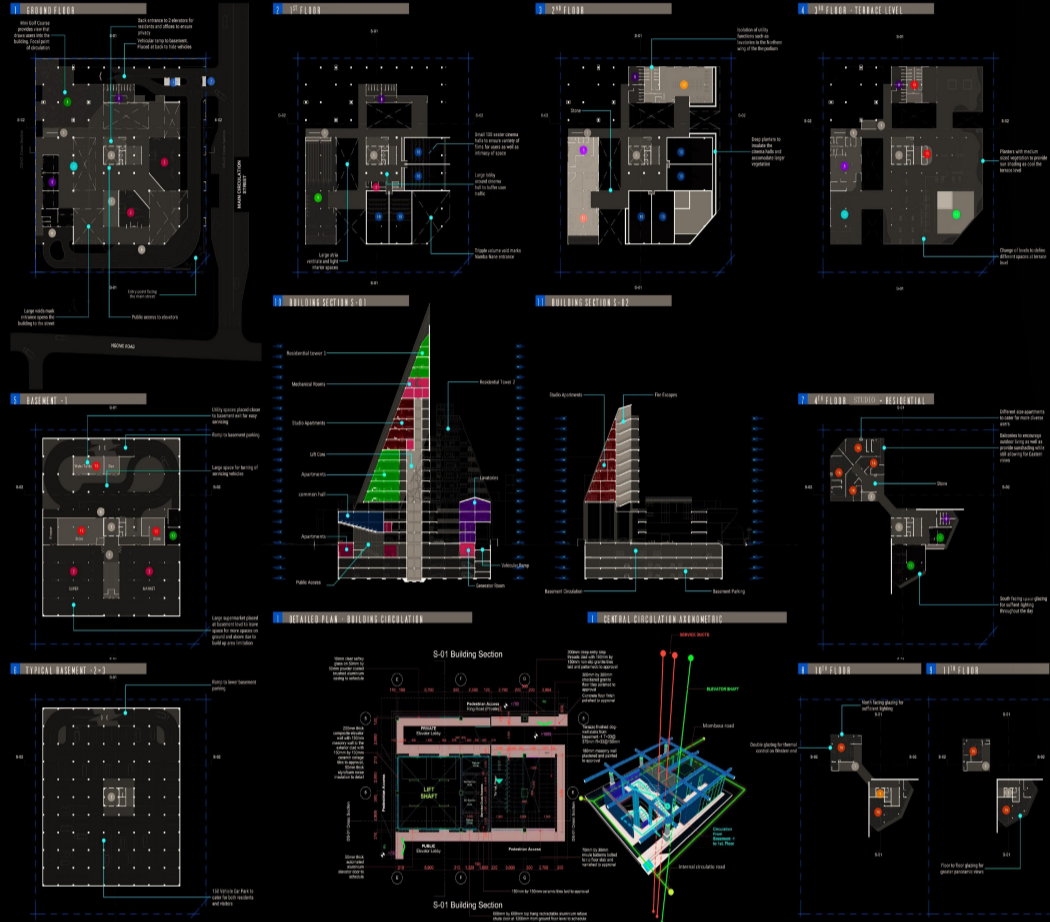


DESIGN PROPOSAL

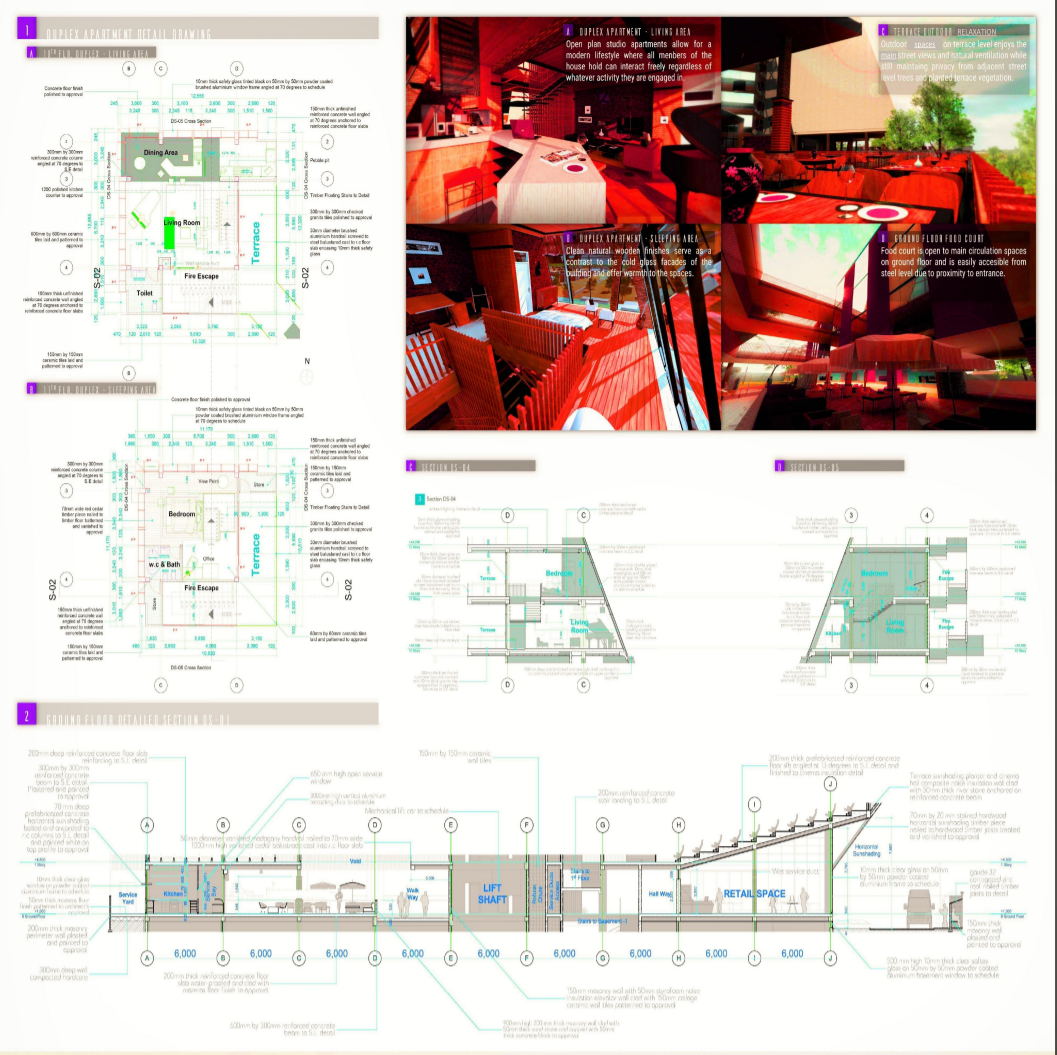
MIXED URBAN DEVELOPMENT

Ahero urban renewal concept

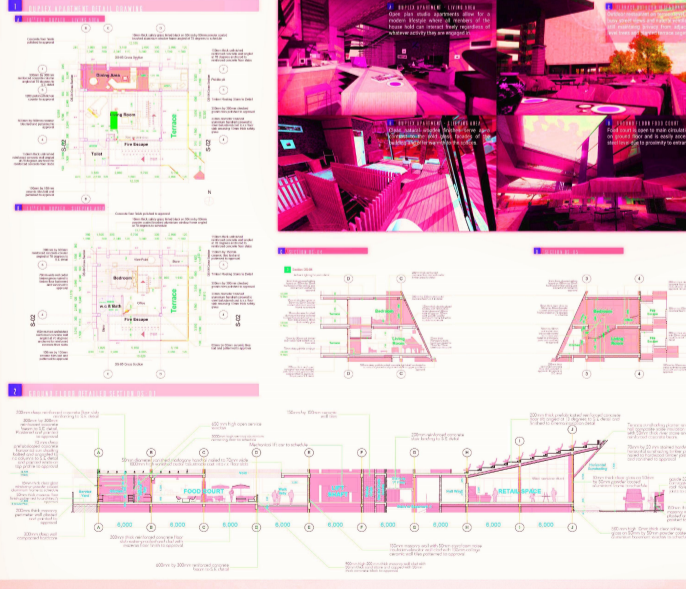
- LEGEND**
- Lift Core/Fire Escape/Vertical Circulation
 - Retail
 - Food Court/Restaurant
 - Mini Golf Course
 - Kitchen
 - Loading Zone
 - Security
 - Library
 - Games Arcade
 - Cinema Hall
 - Sports Bar
 - Gym
 - Offices
 - Swimming Pool
 - Utility
 - Apartment



PLANNING CONCEPTS 3



PLANNING CONCEPTS 3



DESIGN PROPOSAL

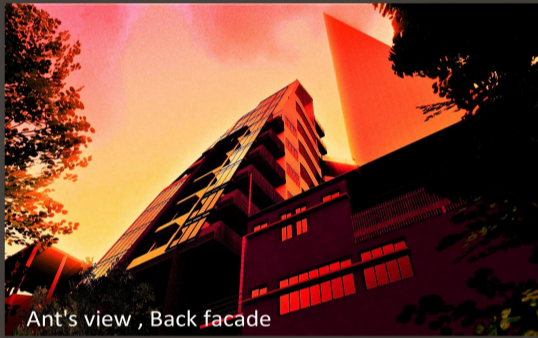
MIXED URBAN DEVELOPMENT

Ahero urban renewal concept



SUSTAINABILITY

Transformability is a dormant part of functional aspects within a residential structure. All the facilities such as lobbies, living rooms, are at the front of the location to leave open recreational roof level and other spaces oriented to the main streets. The structure is placed and designed with removable decks (sliding doors to offer that indoor outdoor experience between levels/floors) that can be transformed into an auditorium to support different kinds of day and night events within a block



Ant's view , Back facade



Living room



Outdoor leveled pool



Attic bedroom



3 Bedroom apartments option 1 view 1



3 Bedroom apartments option 2 view 1



3 Bedroom apartments option 3 view 1



3 Bedroom apartments option 4 view 2



Cross sectional view of the structure showing the multi-level basement and the connected areas around it

DESIGN PROPOSAL

MIXED URBAN DEVELOPMENT

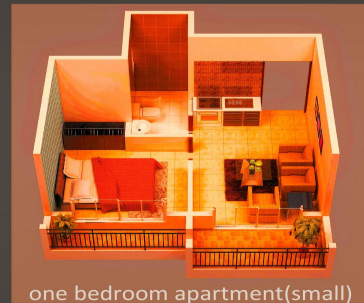
Ahero urban renewal concept

ENERGY AND OUTDOOR CLIMATE

The aim was to design a self-sufficient unit that responds to the outdoor environment and would not require any connection to any local infrastructure and could be placed anywhere in the world without disturbing the environment



one bedroom apartment(large) view 1



one bedroom apartment(small)



one bedroom apartment(large) view 2



one bedroom apartment(small) view



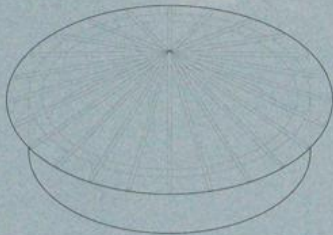
Axonometric view

T H E

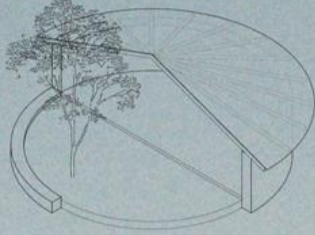
half. COMMUNITY CENTER

concept

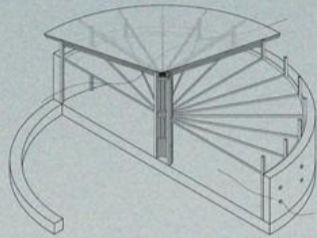
tradition The proposal finds its origin in the round, **traditional huts** found all over the country. This does not only make the user **relate** to it **culturally**, but it also makes its construction easier, since the circle is a simple geometrical shape, **easy to set on site** and **self supporting**. Such shape does also help against water and wind, since there is never a flat plane those can clash against.



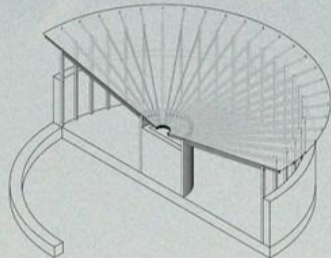
nature The round house is **split in half** to allow **nature inside**, letting the users participate of their surroundings.



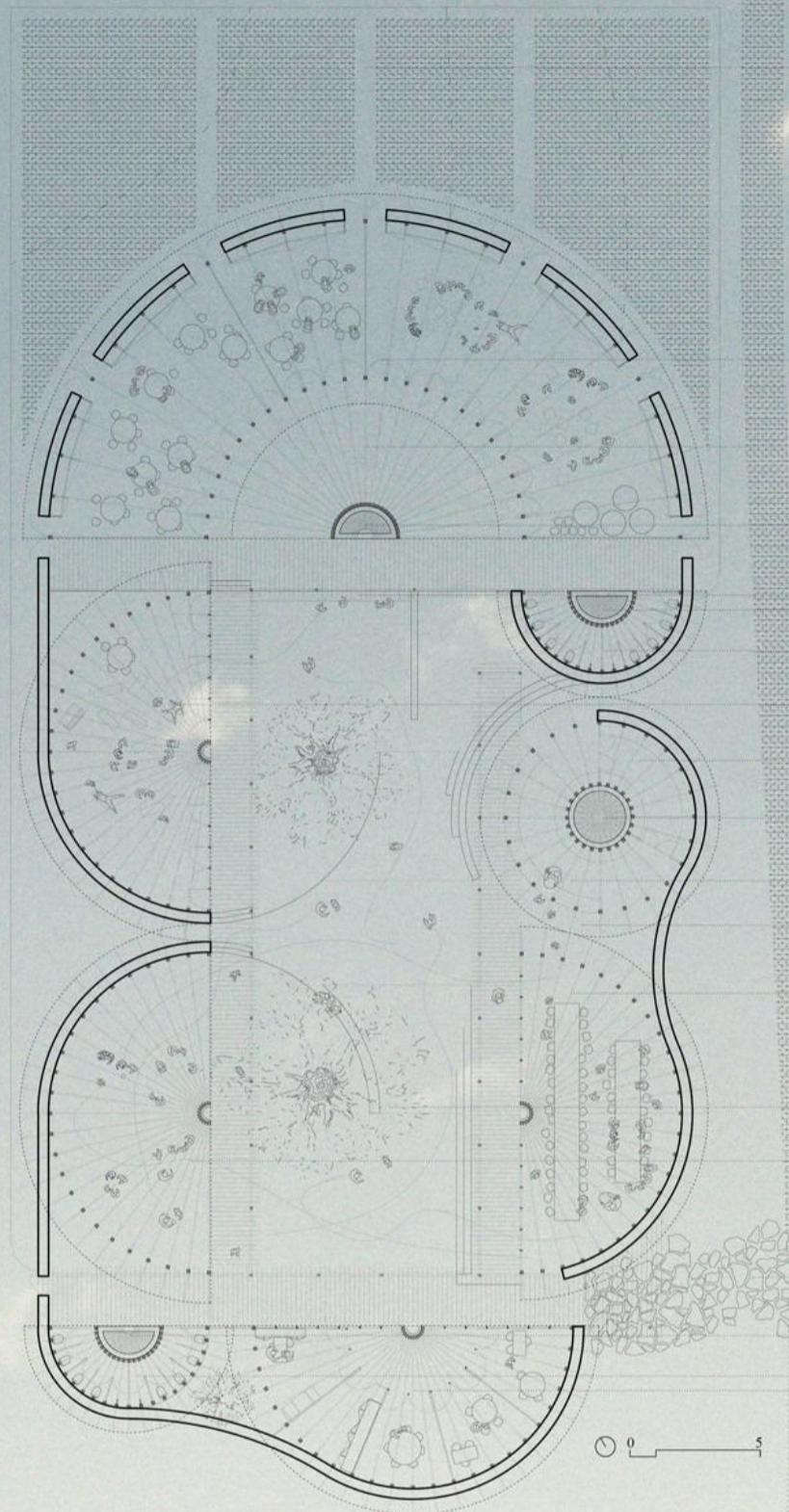
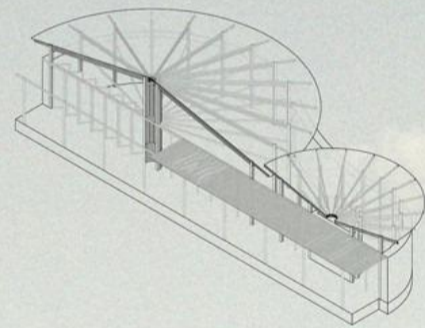
comfort The traditional roof is revised and divided into two to create a higher level of comfort inside. An **outer roof** stops the sun, heating it. An **inner roof** creates an **air chamber** where the hot air can travel through and is dissipated due to convection, keeping the **interior fresh**. The walls are also perforated to create **air circulation** inside the rooms.



water Where water is needed, the **roof is inverted** and a water tank is placed at the center, above ground level. This does not only allow **water collection**, but also grants access to it without the need of a pump, **reducing the energy demand**. Four water tanks supply the school with **29,000 litres of water** when full.



space The original unit is flexible and can be closed or not depending on the needs. Such units are placed next to each other around an open space creating a **courtyard**, safe and easy to watch from every point. The wall is detached from the structure allowing to group the units and creating a perimeter wall with four exits surrounding the whole school. To tie everything together, a **pergola** is added on the inside, connecting all the units with a **shaded path around the courtyard**.



crops
Outside the main school wall the crops are found, protected by a stick fence. That way, and since the crops are part of the educational program, every time the kids are taken there, they will 'leave' the school, feeling they are going on a little adventure.

classrooms
6x42 m²

common space
90 m²

water tank
5,800 L

handwashing station

water tank
5,800 L

kids' bathrooms
30 m²

multipurpose space
120 m²

pantry
30 m²

water tank
11,600 L

kitchen
60 m²

serving spot

dining room
100 m²

yard
350 m²

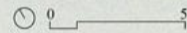
covered yard
120 m²

entrance from existing path

water tank
5,800 L

bathrooms
30 m²

administration
infirmary 22 m²
storage 17 m²
offices 3x22 m²



TRADITIONAL ARCHITECTURE

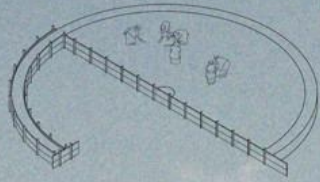


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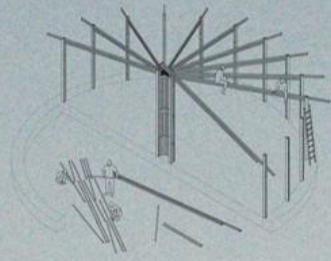
half. COMMUNITY CENTER

construction process

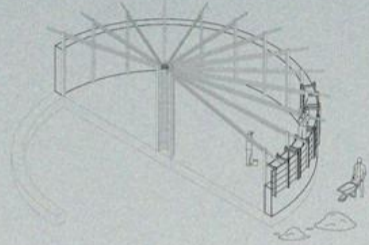
footings & floors Along the footprint of the wall and the structure, a **concrete footing** is placed for them to sit. Such footing also delimits the floor area, which will be formed by **compacting earth in the traditional way**, creating a thick slab that will capture and transmit the fresh temperature of the night during the day.



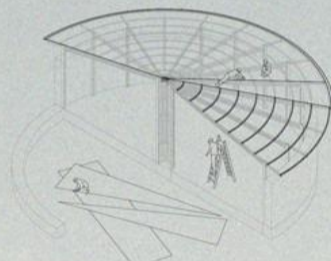
structure On top of the footing sits the structure. A **radiating** succession of porticos formed by timber posts and beams. The long beams are formed by **pinning short and thin sections of timber** all together to form a beam long and thick enough to cover the span. At the heart of the unit, all the posts come together, joint by intermediate pieces, in a **big central column** which will become a **bench** for both kids and grownups to sit and rest.



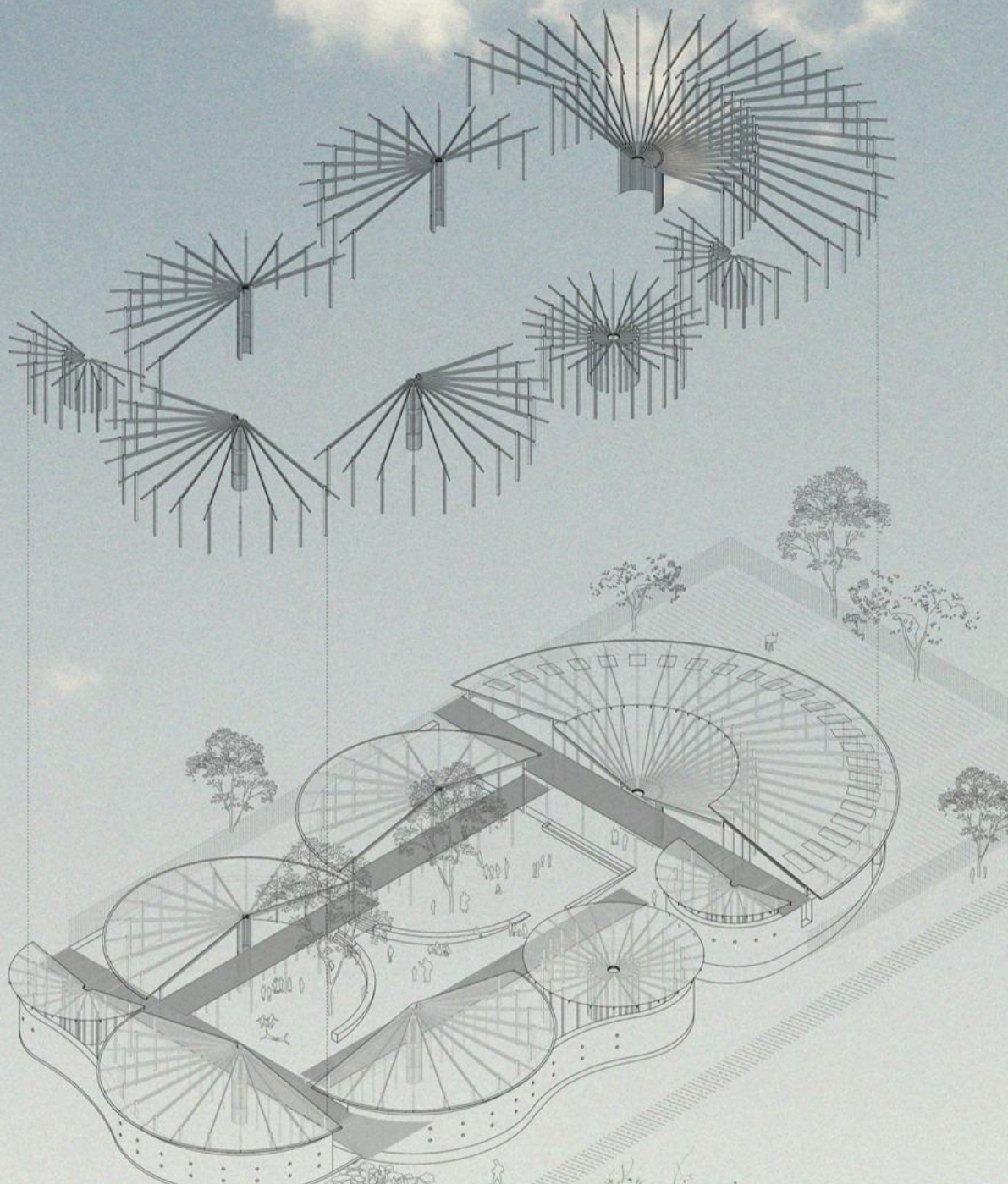
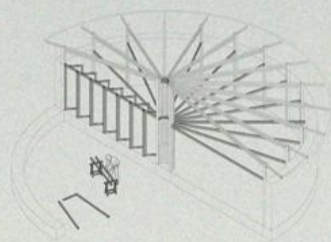
walls Once the structure is in place, it is used to set and support the formwork for the **rammed earth walls**. Small **clay pots** are cut and set within the walls to allow some **air circulation inside** the rooms.



roof The outer roof, formed by **metal sheets**, is added on top of the structure. The inner roof, a **white fabric to diffuse the light inside**, is added to the spaces that need it. However, other areas, like the covered yard, are **left open**.



space When a unit is closed, not only the inner roof is added but there is also the possibility to **add doors** or some sort of filter. The aim of the proposal is that any panel, curtain or door is **manufactured by the community** with whatever skills the local artisans have (tapis, plastic or palm leaves weaving...) to **fill the school with colour** and make everyone part of it.



C O U R T Y A R D

