2025

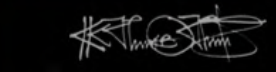
ARCHITECTURE PORTFOLIO

MICHAEL MAWUENA BACCAH

baccahmike@gmail.com

+233 24 554 5057

December 7, 2025



Content...



BEPO S.T.E.A.M NEST

Living-Learning Community STEAM Hub — Asikam, Kyebi



Aboabo-Orgafert Factory

Organic Fertilizer Factory — Aboabo-Kumasi



Airport-view Nsaa

Adaptable Home Design
Manhyia-Kumasi

Osoro Wellness Centre

Family Medicine and Hospice Centre — Bekwai Municipality



Academic Work

Extra-Curricular Work

Shells of Elegance

A Workshop on Spatial Intelligence & Emotional Spaces
KNUST-Kumasi





Light of Day Oasis

International VELUX Award for Students of Architecture
Bongo-Upper East

Seeds of Teranga

Nurturing Early Education with Community, Culture and Nature
Bongo-Upper East





Curating in the Wake of the Sea

Reimagining the Keta Library as a Site of Eve Cultural and Ecological Knowledge
Keta-Volta Region

01

"BEPO S.T.E.A.M NEST"

Living-Learning Community STEAM Hub

Type:	Thesis Design Proposal
	Individual Academic Project Work, Master of Architecture Year 2...
Location:	Kyebi – Asikam, Eastern Region, Ghana
Date:	August, 2024
Participation:	I executed the entire project, from conception to the production of 3D representations.
Skills	Floor Plans & 3D model — Revit Autodesk
	3D Impression — Lumion
	Post Rendering — Adobe Photoshop

3D Aerial View



Introduction

Despite initiatives to promote STEAM at the basic school level in Kyebi, the absence of STEAM programs at higher educational levels and the lack of facilities hinder the full realization of its benefits in Kyebi and Ghana.

This research aims to address this gap by designing a sustainable Living-Learning Community STEAM Hub, using Biomimicry Architecture. The hub will provide the necessary infrastructure for events, educator training, and raising interest in STEAM.

Research Summary

Worldview

Transformative Paradigm

An umbrella term that encompasses **paradigmatic** perspectives that are meant to **impact change** and are **participatory** and **inclusive**

Research Design

Mixed Methods

Questionnaire

Survey

Interviews

Sampling Techniques

Purposive Sampling (Interviews)

Snowballing Sampling (Questionnaires)

Kyebi Locals

Tertiary Students

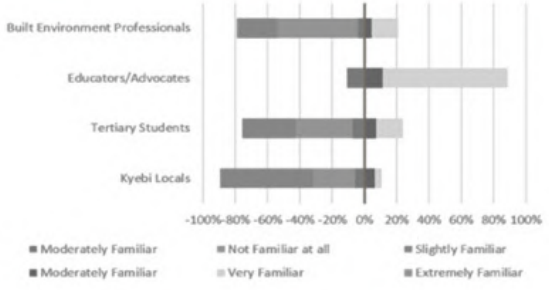
Educators

Advocates

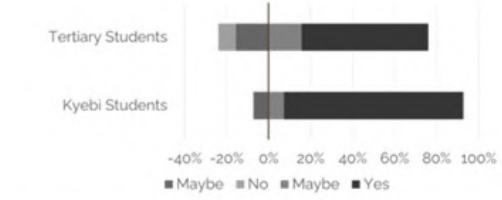
Built Environment Professional

Key Findings

Respondents' Level of Familiarity with STEAM Education

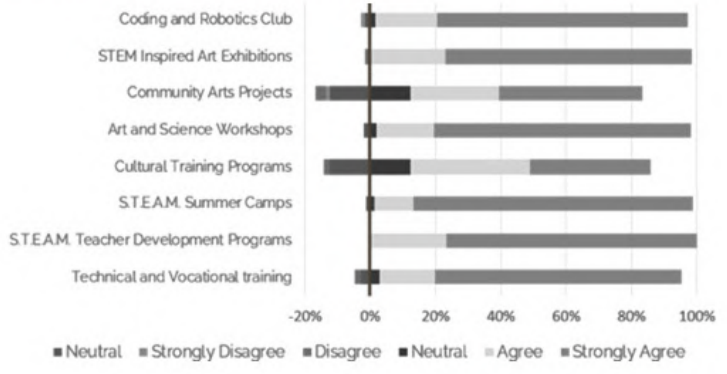


Stakeholder Interest in Participating in a STEAM Program



Design Implications

Stakeholders' Opinions on Programs/Activities to be Considered for the Design



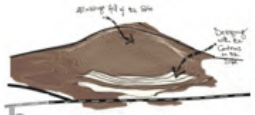
Research Conclusions

- Stakeholders exhibit high interest in participating in STEAM programs, with a majority expressing willingness to recommend them to others
- Collaboration among stakeholders, including community members, educators, and advocates, is essential for designing and implementing effective programs

Form Development - Ecomimicry



a. Mountain range of Kyebi



b. The Hill on the site



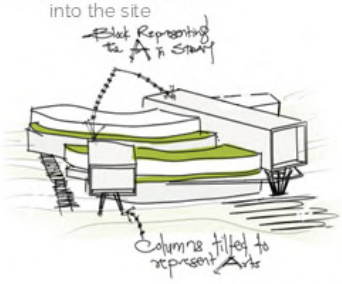
c. Contours used to develop the form of the building



d. Site graded at different levels



e. Green Roofs Utilised to integrate the building into the site

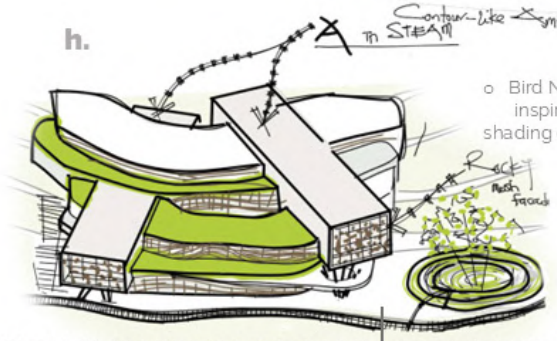


f. Two Rectangular Blocks tiled at different Angles

g. Adinkra Inspired Facade Treatment for Cultural Significance



h.



Bird Nest inspired shading device

Concept

This STEAM Hub design draws from Frank Lloyd Wright's **organic architecture**, blending **biomimicry** with Kyebi's landscape. The building mirrors the local ecosystem, with a hill in Asikam guiding site selection and incorporating natural rocks. The façade's materiality, inspired by the Adinkra symbol "Obohemaa" (Queen of Stones), reflects cultural richness. Natural vegetation, a green roof, and motifs of a beehive and bird's nest emphasize sustainability, collaboration, and community, integrating nature, culture, and innovation in a functional space for education.

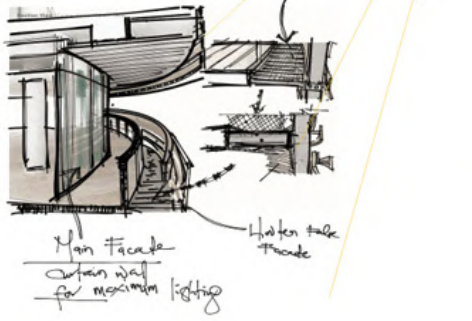
Bird Nest Facade - Biomimicry

A.

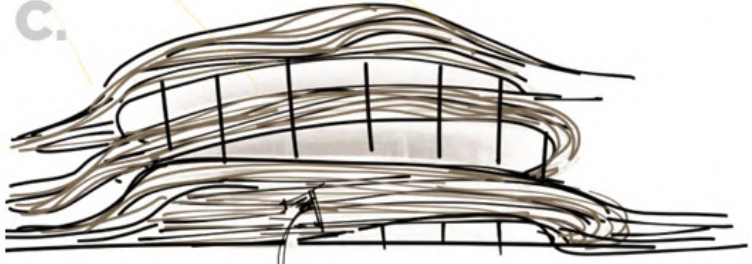


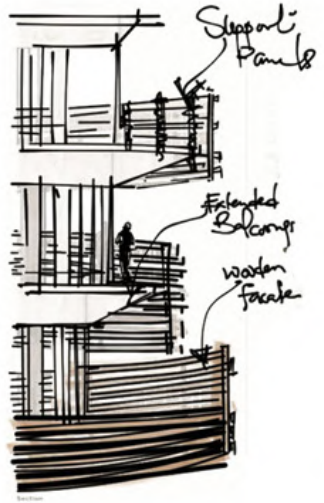
B.





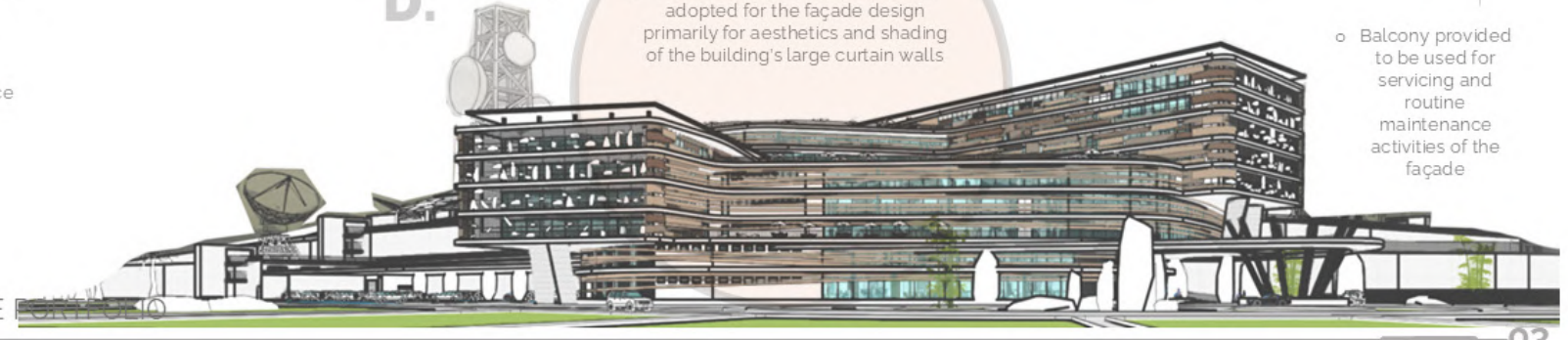
C.



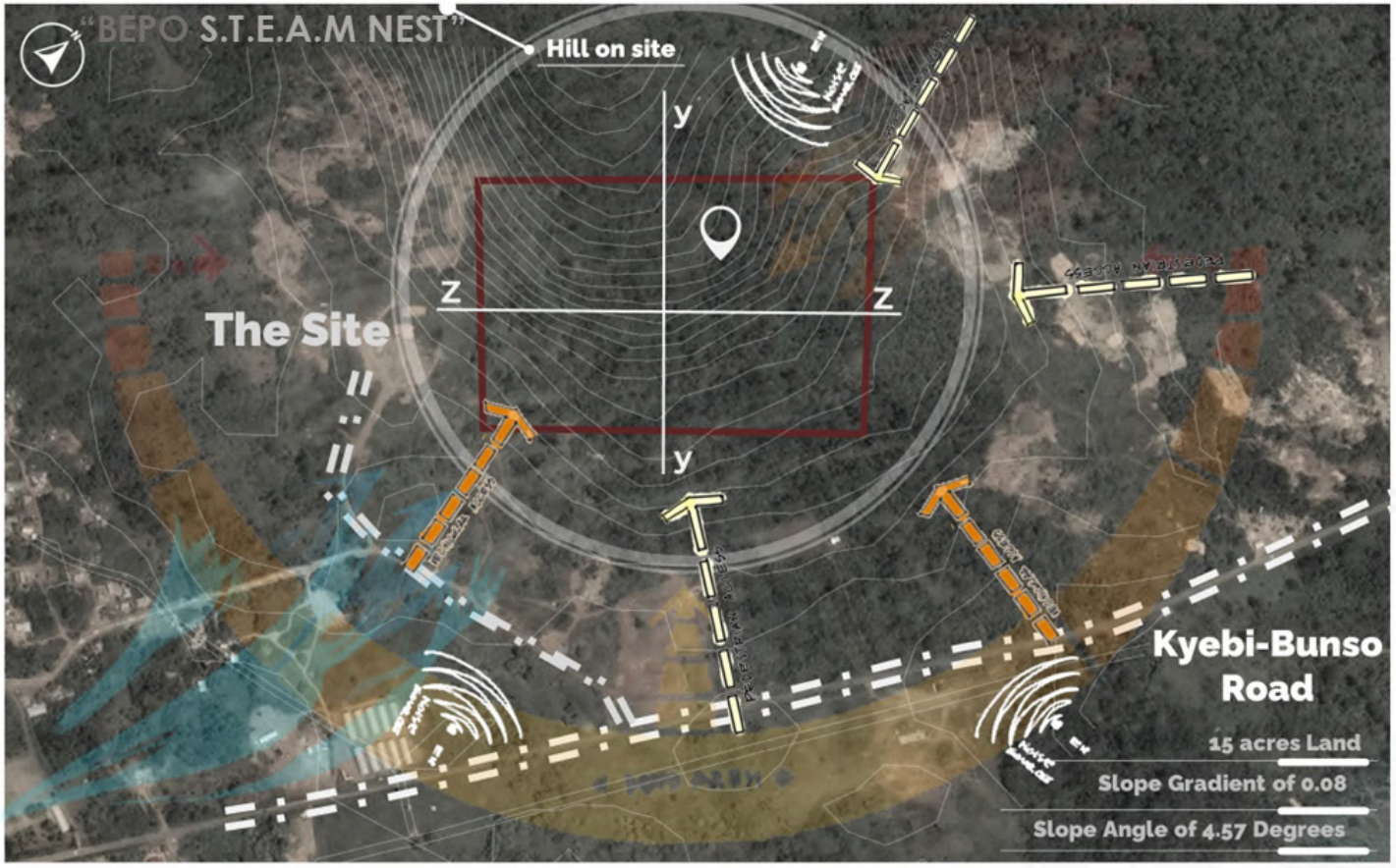


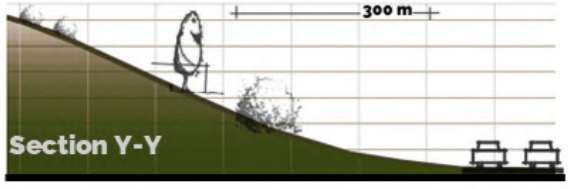
D.

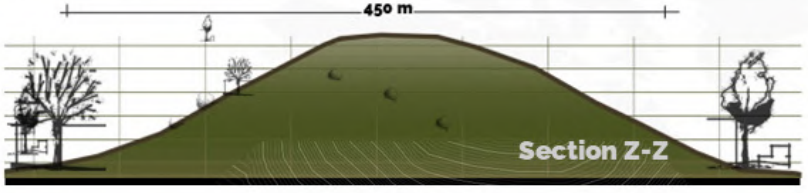
The patterns of the bird nest was adopted for the façade design primarily for aesthetics and shading of the building's large curtain walls



Balcony provided to be used for servicing and routine maintenance activities of the façade







Site Inventory


Existing Vegetation on site


Image showing the steepness of the site


Existing Farmland close to site


Kyebi – Bunsu Road

LEGEND

- SUN PATH
- VEGETATION
- VIEWS
- NOISE
- PEDESTRIAN ACCESS
- VEHICULAR ACCESS
- EXISTING BUILDINGS
- SOUTH-WEST WIND
- NORTH-EAST WIND

Characteristics

Site mainly a Virgin Site

Site close to Main Arterial Road

Strength

Easy Access from main Arterial Road

Site a Virgin land

Existing Vegetation

Views Due to site being in a Hill

No Limit to Site Boundary

Easy Access from main Arterial Road

Opportunities

Ease of incorporating Landscaping

Available Biodiversity for Inspiration


Soft Landscape


Pedestrian Flow

Cyclist Path

Pedestrian /Vehicular Considerations


Vehicular Flow

Site Plan

"BEPO S.T.E.A.M NEST"



Legend

1. Asikam
2. Kyebi-Bunso Rd
3. Bus Stops
4. Buffer Zone
5. Bus Parking
6. Tropical Garden
7. Plaza
8. Playground
9. Football field
10. Skating Park
11. Basket ball/Tennis Court
12. Solar Farm
13. Service Yard
14. Utility/Services Zone
15. STEAM Hub (Main Building)

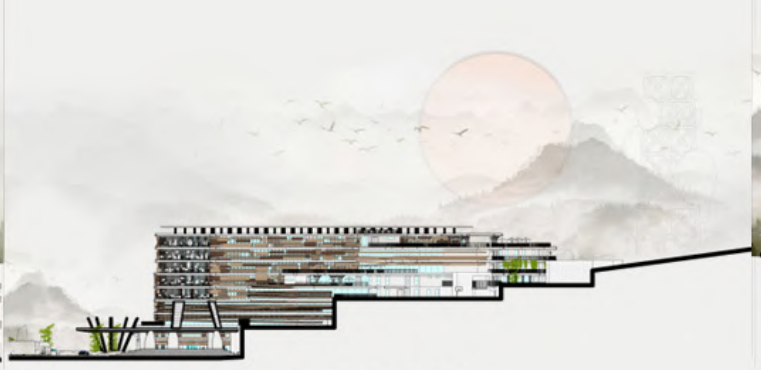


Legend

- Access Control Area
- Auditorium
- Conference Room
- Seminar Hall (20-30 Seatings)
- Control Room
- General Washroom (Female)
- General Washroom (Male)
- Gift Shop
- Judges Lounge
- Lobby
- Office
- Open Exhibition Area
- Reception/Waiting Area
- Sound Lobby
- Stairwell
- Storage
- Waiting Area
- Washroom



Front View



Left-Side View



Right-Side View



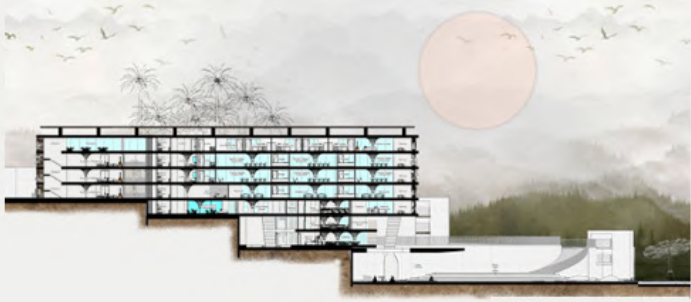
Second Floor

Legend

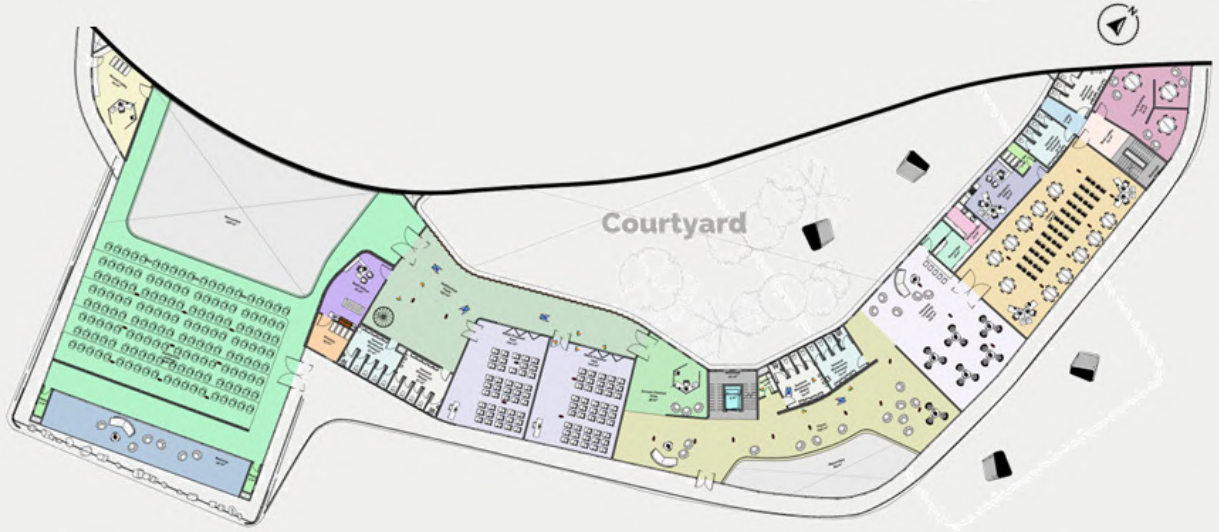
- Access Control Area
- Auditorium
- Auditorium Foyer
- Balcony
- Changing Room
- Control Room
- Corridor
- Eating Area
- Elevator
- Foyer/Exhibition Area
- General Washroom (Female)
- General Washroom (Male)
- Janitor's
- Main Kitchen
- Matron's Office
- Multi-Purpose Hall
- Scullery
- Servery
- Staff Office
- Stair Lobby
- Stairwell
- Storage
- Store
- Supporting Kitchen



Section R-R



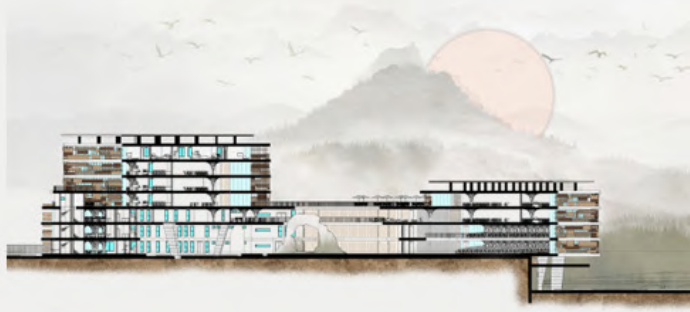
Section S-S



Third Floor

Legend

- Access Control Area
- Archive
- Auditorium Foyer
- Auditorium Gallery
- Balcony
- Elevator
- Foyer/Exhibition Area
- General Washroom (Female)
- General Washroom (Male)
- Janitor's
- Kitchenette
- Librarian's Office
- Library
- Lobby
- Mezzanine
- Multi-Purpose Hall
- Server Room
- Snack Bar
- Sound Lobby
- Staff Office
- Stair Lobby
- Stairwell
- Storage
- Store
- Team Working Area



Section T-T



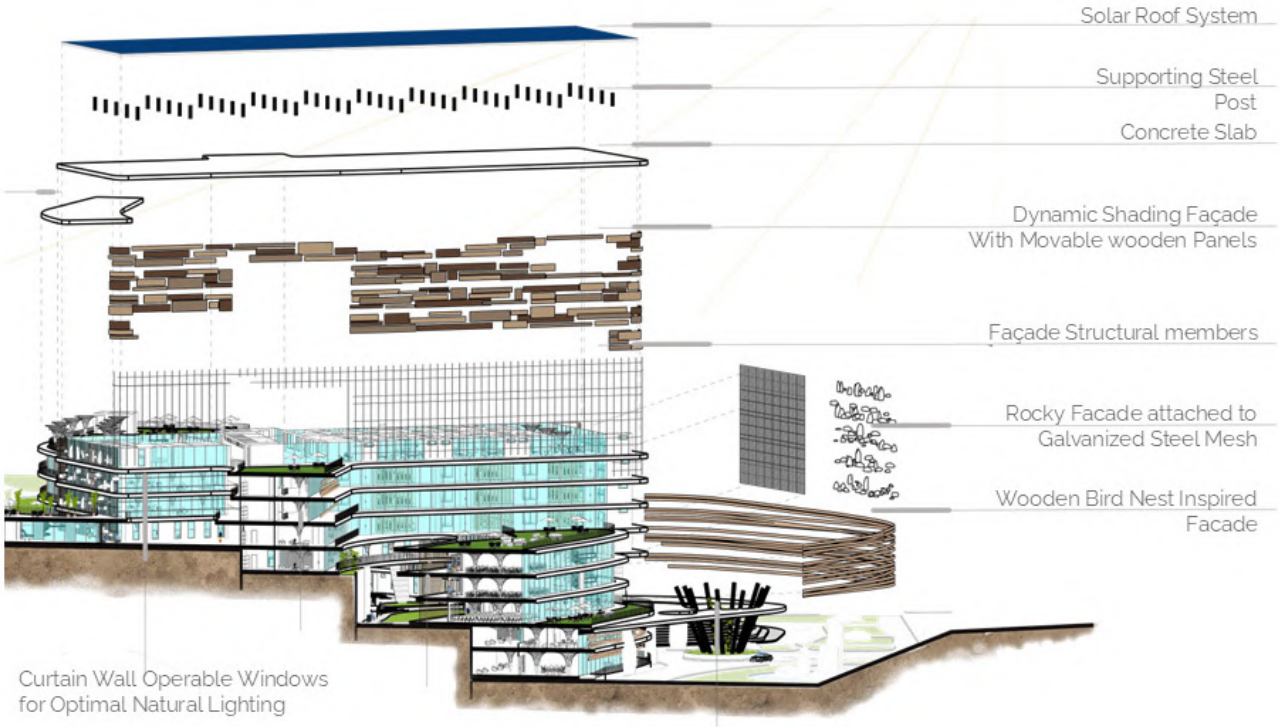
Section U-U

Legend

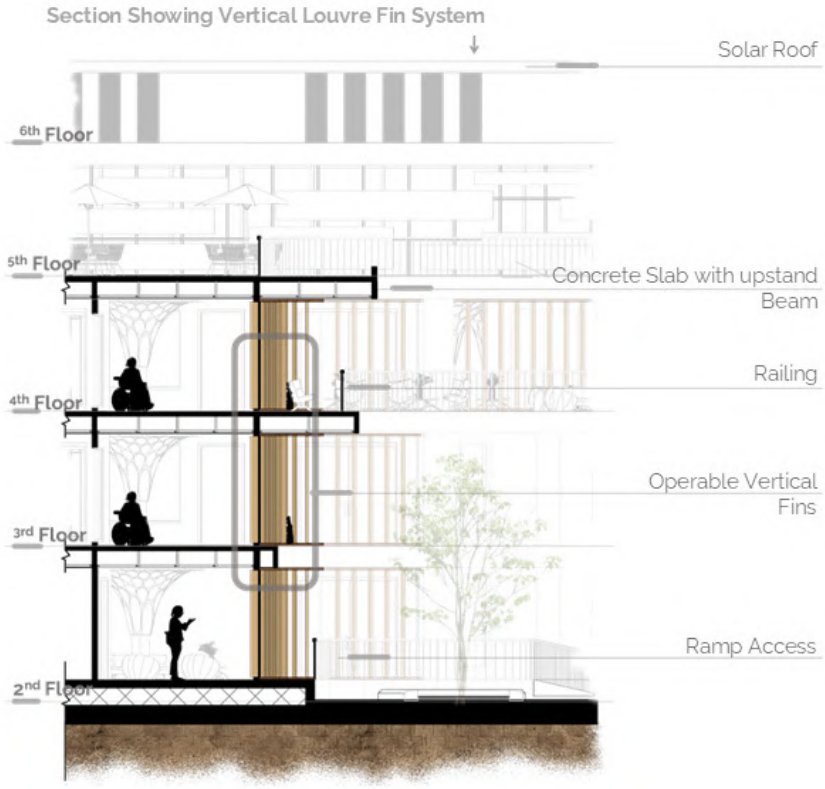
- 2-1 Female Dorm
- 2-1 Male Dorm
- 3-1 Female Dorm
- 3-1 Male Dorm
- Archive
- Balcony
- Biology Lab
- Changing Room
- Chemistry Lab
- Chief Administrator's Office
- Classroom/Lecture Hall
- Conference Room
- Corridor
- Existing Area
- Elevator
- First Aid Consulting Room
- General Washroom (Female)
- General Washroom (Male)
- Gift Shop
- Residency Management Office
- Lab Technician's Office
- Librarian's Office
- Library
- LLC Lounge
- Lobby
- Main Kitchen
- Outdoor Terrace/Eating Area
- Physics Lab
- Reception/Waiting Area
- Scullery/Storage
- Secretary's Office (STEAM Initiatives)
- Server Room
- Staff Common Room
- Staff Lounge
- Staff Washroom (Female)
- Staff Washroom (Male)
- Stairwell
- Storage
- Store
- Supporting Kitchen
- Staff Office (STEAM Initiatives)
- Veranda
- Waiting Area
- Washroom (Female)
- Washroom (Male)



Fifth Floor



Exploded Axonometric Sectional Detail



Passive Design Considerations



02

"ABOABO-ORGAFERT FACTORY"

Organic Fertilizer Factory

Type:	Industrial Park Design
	Individual Academic Project Work, Master of Architecture Year 1...
Location:	Aboabo-Kumasi, Ashanti Region, Ghana
Date:	May, 2023
Participation:	I executed the entire project, from conception to the production of 3D representations.
Skills	Floor Plans & 3D model — Revit Autodesk
	3D Impression — Lumion
	Post Rendering — Adobe Photoshop



Introduction

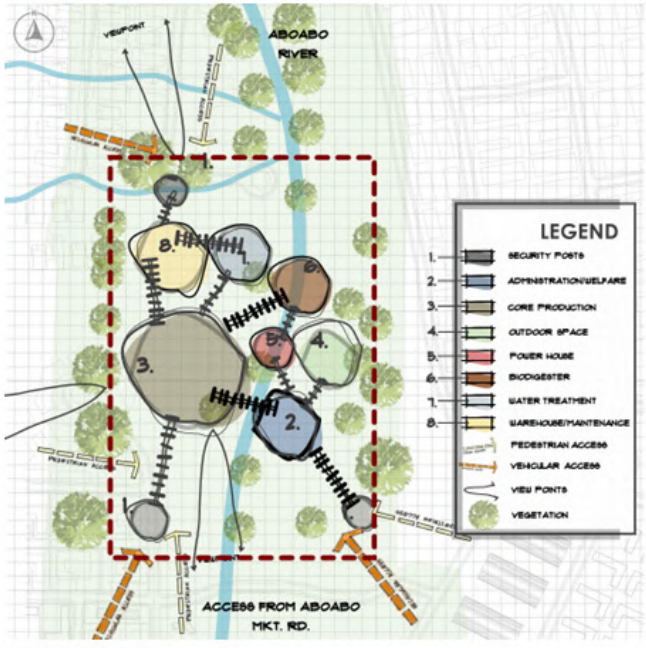
Ghana's current **demand for organic fertilizer is about 0.7 million tons** per year, with potential growth to 2.7 million tons (Bidzakin et al., 2023). Commercializing organic fertilizer offers a sustainable solution to **solid waste management** and declining soil quality.

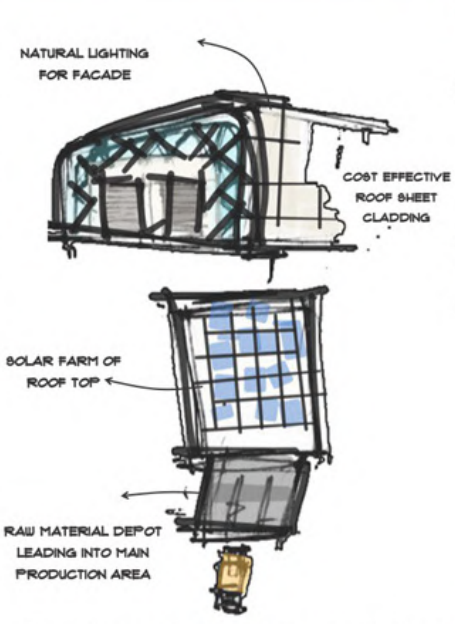
The Orgafert Factory in Aboabo, a community facing waste management challenges, serves as a source of raw materials for producing organic fertilizer to support farmers in Aboabo, neighboring communities, and the Ashanti Region.

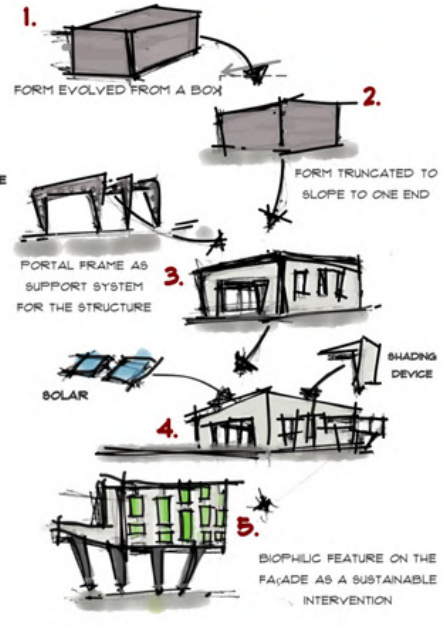
Concept

The Aboabo-Orgafert Factory integrates **SDG 9** (Industry, Innovation & Infrastructure), **SDG 6** (Clean Water & Sanitation), **SDG 7** (Affordable & Clean Energy), and **SDG 11** (Sustainable Cities & Communities).

Positioned on both sides of the Aboabo River, the design addresses site issues like flooding with green infrastructure and discourages open defecation. Electricity is generated on-site via biogas and solar panels, with excess power directed to the national grid.







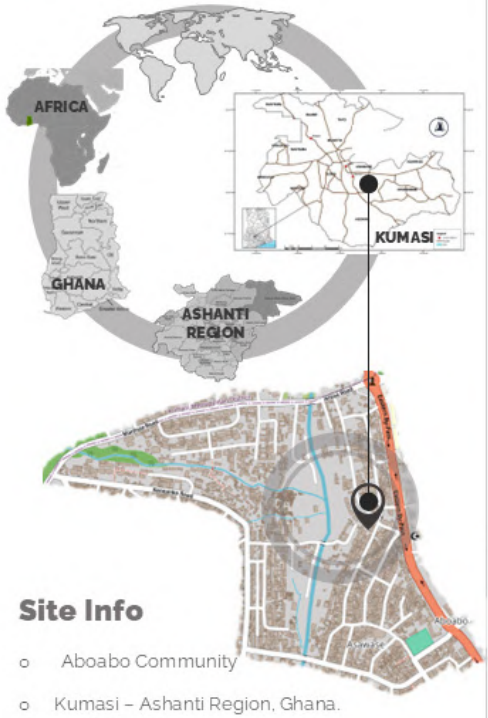
Materials & Construction:

Industrial Roofing Sheets Construction
Recycled Steel Portal Frame Construction
Large Windows for Natural Lighting

All Materials are to be locally sourced ..

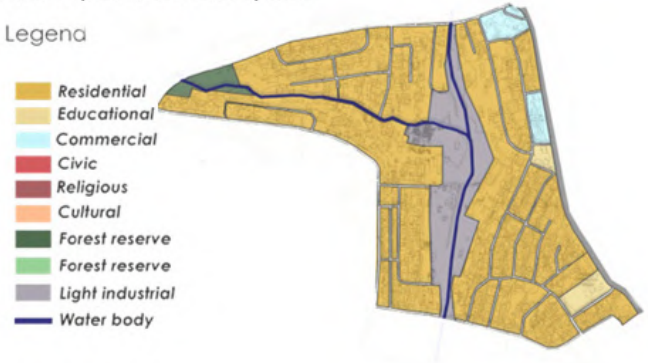
Form developed from the concept of **" form follows function "** – louis Sullivan

Site Analysis



Site Info

- Aboabo Community
- Kumasi – Ashanti Region, Ghana.
- Longitude: 1°36'0.32"W
- Latitude: 6°42'24.26"N
- Site Perimeter: 2 247.00 m
- Site Area: 224,185.96 m²
- Currently 16,228 residents (2023 survey)
- Approximately 25,258 residents by 2030



Existing Land-Use Map

Interventions Site-scale



Proposed Land-Use Map



1. Proposed green infrastructure to mitigate the issue of flooding along the Aboabo River
2. Orgafert Factory to support in the maintenance of the green infrastructure

Proposed Green Infrastructure Map



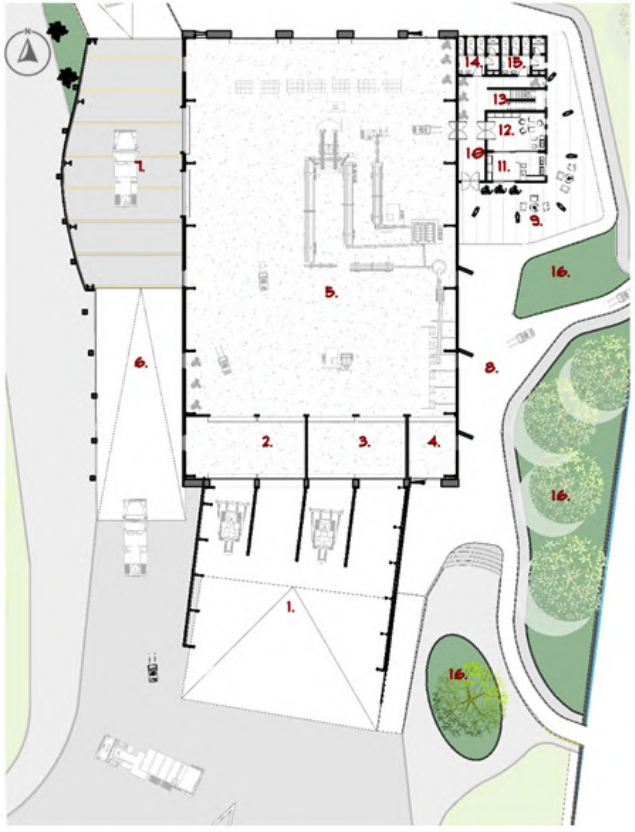
Site Plan

Block Plan Legend

1. Primary Production Entrance (Entry)
2. Parking For Delivery Trucks/Buses
3. Outdoor Seating Area
4. Raw Material Depot
5. Main Production Unit
6. Primary Weighing Bridge
7. Production Area Supporting Facility
8. Water Treatment Facility
9. Warehouse/Maintenance
10. Secondary Weighing Bridge
11. Parking For Raw Material Trucks
12. Secondary Entrance (Exit)
13. Administration Entrance (Entry & Exit)
14. Parking (Staff And Customers)
15. Outdoor Seating (Social Events)
16. Main Administration
17. Powerhouse
18. Temporary Service Parking
19. Biogas Treatment Depot (Digestate Source)
20. Secondary Service Parking

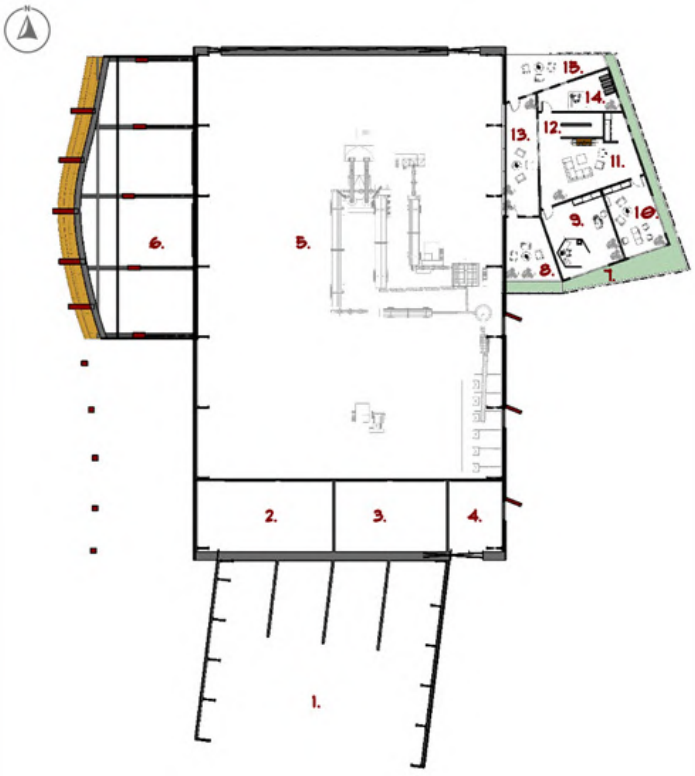


Block Plan



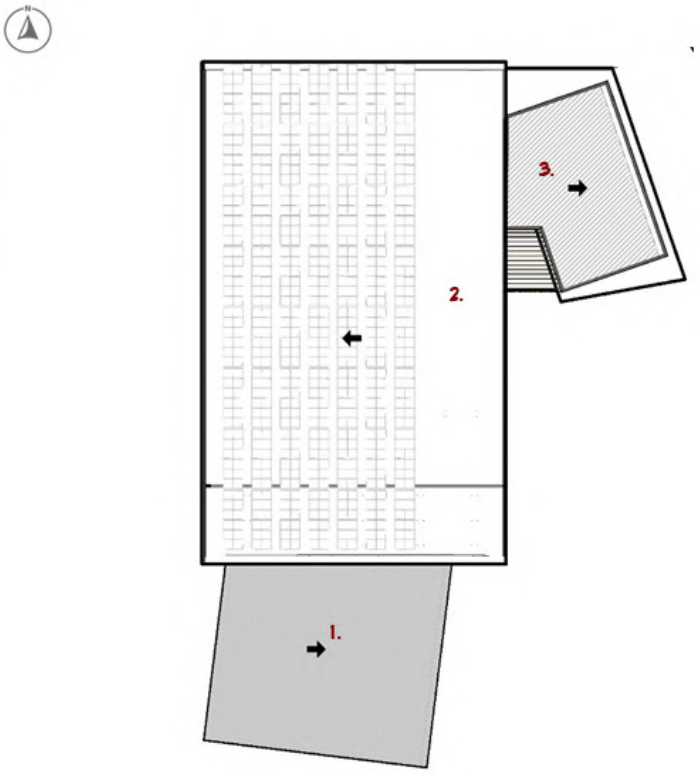
Production Area – Ground Floor Plan

1. Raw Material Depot
2. Municipal Waste Sorting Point
3. Industrial Waste Sorting Point
4. Sterilization Zone
5. Main Production Area
6. Weighing Bridge Access
7. Weighing Bridge
8. Veranda
9. Ground Floor Lobby
10. Corridor
11. Quality Control Lab 1
12. Quality Control Lab 11
13. Stairwell
14. Washroom (Male)
15. Washroom (Female)
16. Garden



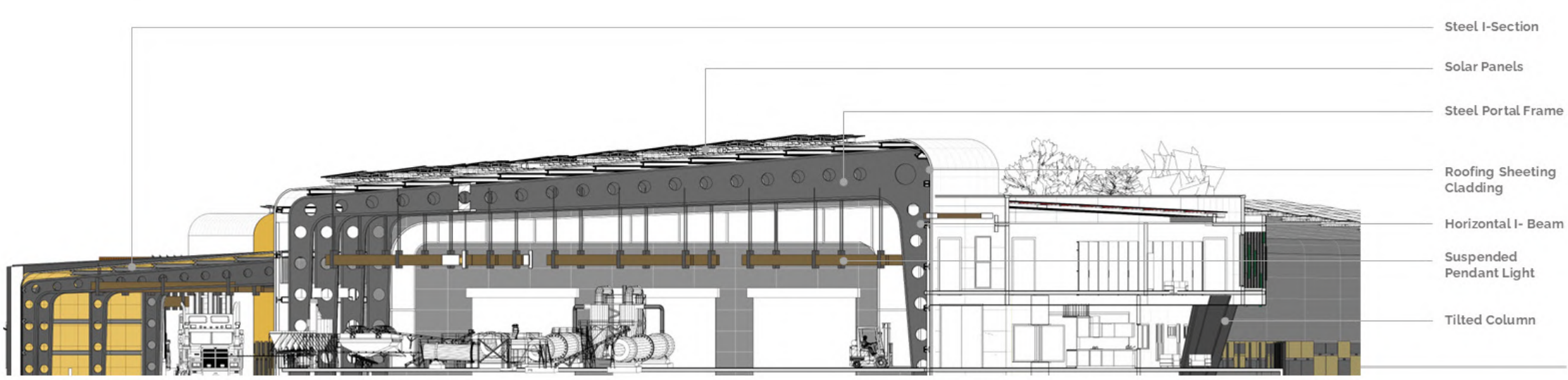
Production Area – First Floor Plan

1. Raw Material Depot
2. Municipal Waste Sorting Point
3. Industrial Waste Sorting Point
4. Sterilization Zone
5. Main Production Area
6. Weighing Bridge
7. Planter
8. Balcony 1
9. Surveillance Room
10. Supervisor's Office
11. Lounge
12. Stairwell
13. Supervision DECK
14. Server/Archive
15. Balcony 11



Production Area – Roof Plan

1. Shed Roof
2. Utility Roof
3. Rainwater Harvesting Roof



Sample Sections







03

"AIRPORT-VIEW NSAA"

Adaptable Home Design

Type:	Domestic Housing Design Scheme
	Individual Academic Project Work, Master of Architecture Year 1...
Location:	Manhyia - Kumasi, Ashanti Region, Ghana
Date:	July, 2023
Participation:	I executed the entire project, from conception to the production of 3D representations.
Skills	Floor Plans & 3D model — Revit Autodesk
	3D Impression — Lumion
	Post Rendering — Adobe Photoshop



Introduction

Manhyia, the royal capital of Kumasi, faces a housing deficit of 2 million units (Atta-Akyea, 2019), worsened by the expansion of Kumasi airport into an international hub, which is expected to drive economic growth and population influx.

The adaptable apartment design aims to provide flexible living spaces that meet changing occupant needs, addressing the housing shortage while offering affordable accommodation for those near the airport.

Concept

The design concept of Airport-View Nsaa sought to embody Kumasi's cultural essence, home to the Ashanti royal family, drawing inspiration from the Adinkra symbol 'Nsaa.'

This symbolizes woven cloth and reflecting the vibrant heritage of Ashanti's Kente cloths, realized through carefully selected colors and facade extrusions that evoke the intricate patterns of traditional weaving.

The preservation of the site's green infrastructure not only underscores Kumasi's identity as a garden city but also serves as a testament to its commitment to environmental sustainability.

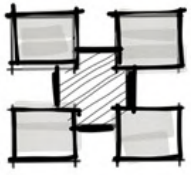
Materials & Construction: All Materials are to be locally sourced ..

Sandcrete Block Construction
Large Glass Windows for Natural Lighting

Concept of Adinkratecture

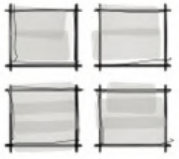
An elision of adinkra architecture derived from adinkra iconography used for architectural design for expression of cultural elements --Aalii to Zygomorphic, Prof. R. A. Oppong

NSAA –Woven Cloth

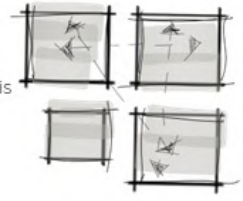


Symbol of Excellence, Authenticity, & Genuineness

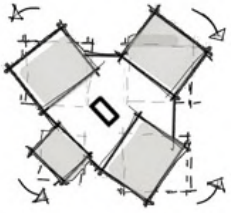
a.
The four aspect of the symbol used as the main sections of apartments



b.
The entrance section is reduced in proportion

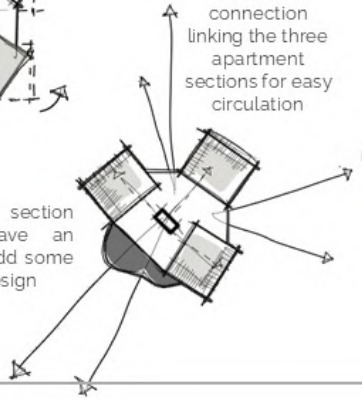


c.
The various sections tilted to face different directions for views

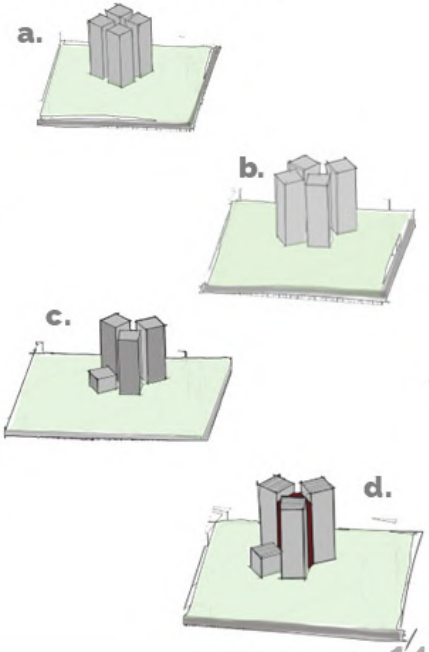


d.
The entrance section modified to have an organic form to add some contrast to the Design

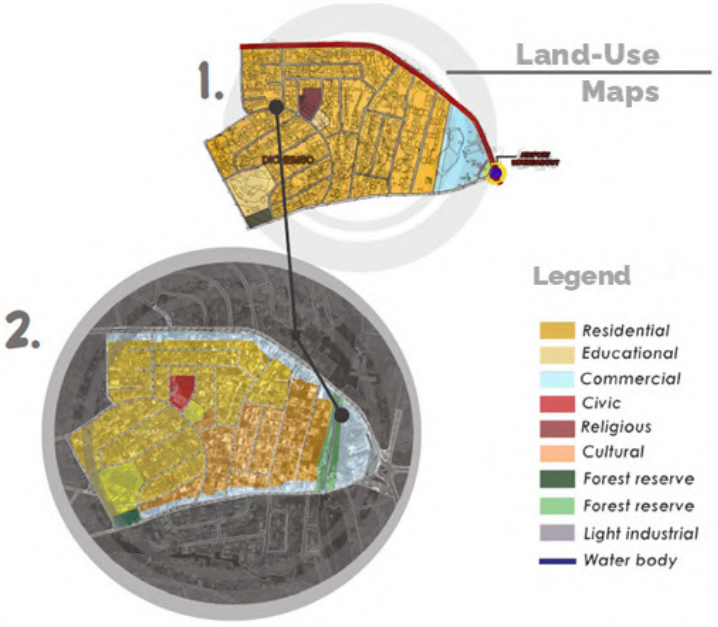
A Central section derived from the Adinkra symbol to serve as a connection linking the three apartment sections for easy circulation



Form Development



1. Land-Use Maps

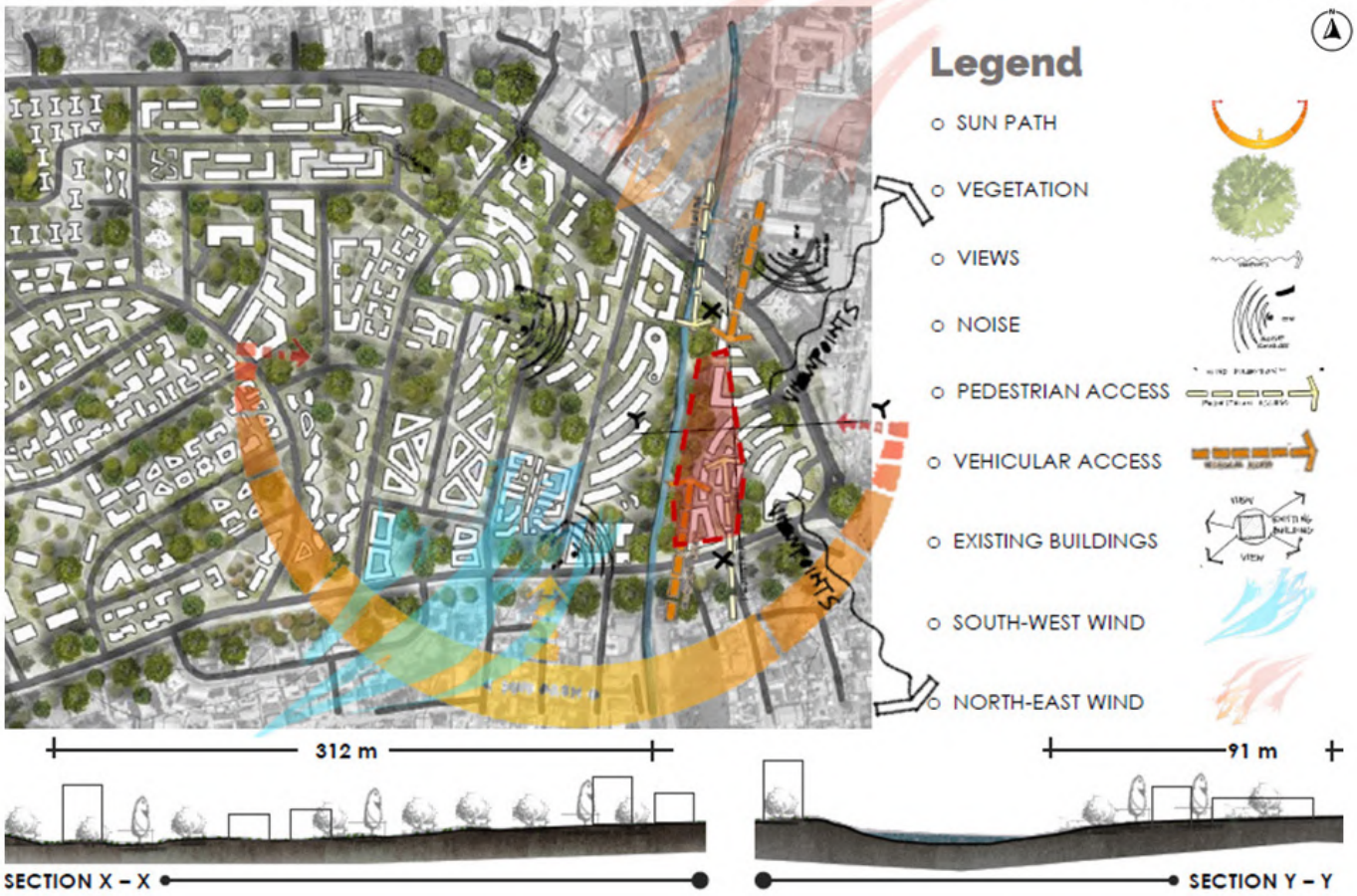


1. Existing land-use **2. Proposed Land-use**

Legend

Site Info

- Dichemso, Airport Round-about
- Kumasi – Ashanti Region, Ghana.
- Longitude: 1°36'1.23"W
- Latitude: 6°42'35.18"N
- Site Perimeter: 5 8263.00m
- Site Area: 12,845.56m²
- Currently 16,228 residents (2023 survey)
- Approximately 25,258 residents by 2030



Site Inventory



Existing Drain



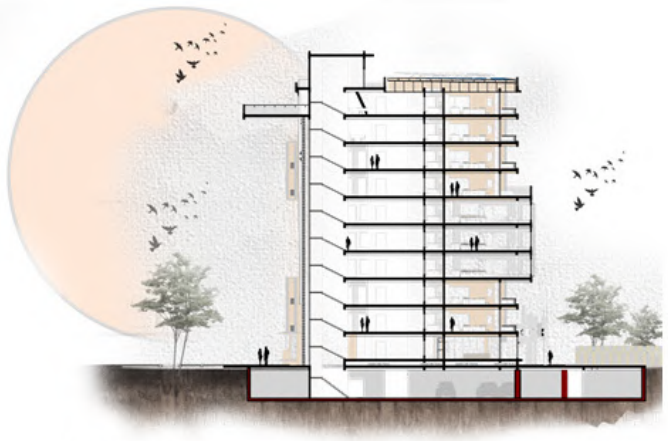
Site Showing Existing Vegetation



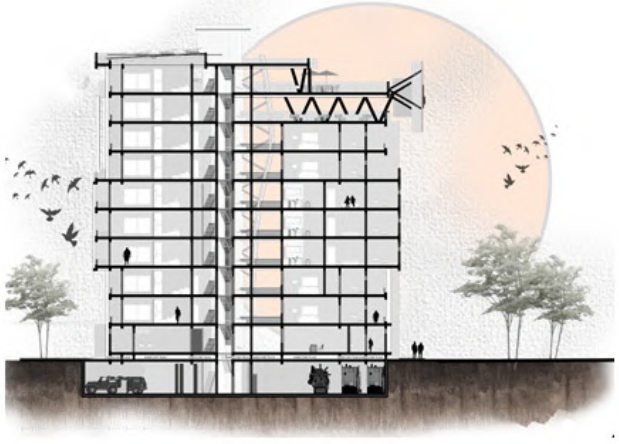
Unauthorised Auto-Mechanic Activities



Ground Floor Plan



Section 1



Section 2

AIRPORT-VIEW NSAA



First Floor

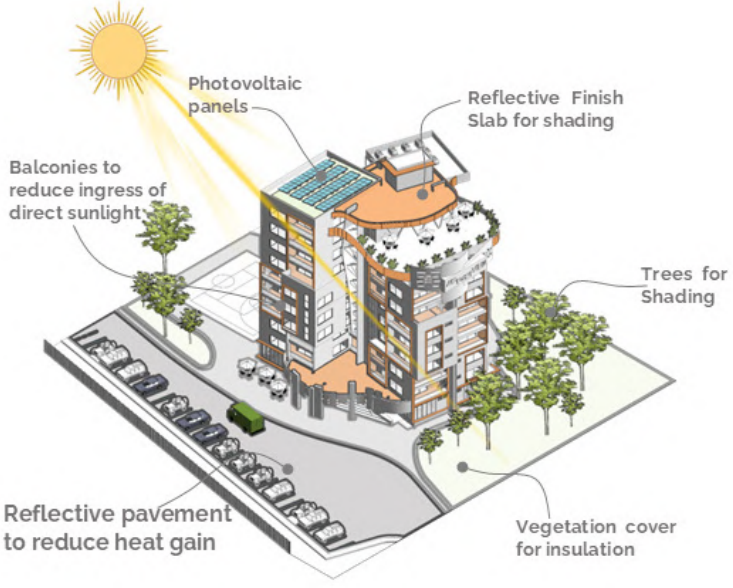


Nineth Floor

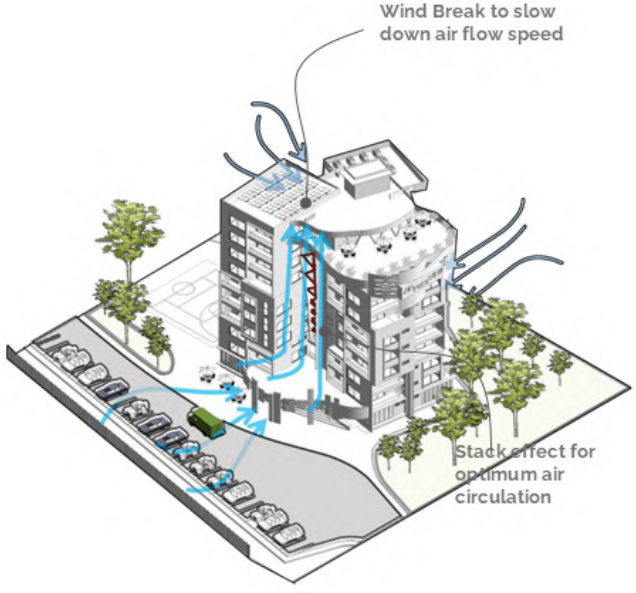




Sustainability Considerations







Vegetation Cover | Shading devices | Photovoltaic

Rainwater collection Channel | Treated water distribution Channel

04

SORO WELLNESS CENTRE

Family Medicine and Hospice Centre

Type:	Non-Domestic Design Scheme
	Individual Academic Project Work, BSc. Architecture Year 4...
Location:	Bekwai Municipality, Ashanti Region, Ghana
Date:	June, 2022
Participation:	I executed the entire project, from conception to the production of 3D representations.
Skills	Floor Plans & 3D model — Revit Autodesk
	3D Impression — Lumion
	Post Rendering — Adobe Photoshop



Introduction

The increasing prevalence of chronic diseases and aging in Ghana highlights the need for a family medicine center offering rehabilitation, palliative, and geriatric care.

This holistic approach enhances patient quality of life, reduces hospitalizations, and promotes wellness. By providing culturally tailored care, the center can build community trust and improve health outcomes.

Concept

The facility's organic design blends with its environment, using natural shapes and locally sourced materials to reduce its carbon footprint.

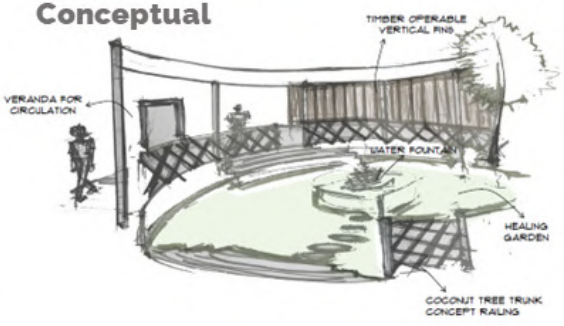
Interiors maximize natural light and ventilation through semi-enclosed verandas and green courtyards for relaxation, promoting sustainability and well-being for both occupants and the ecosystem.

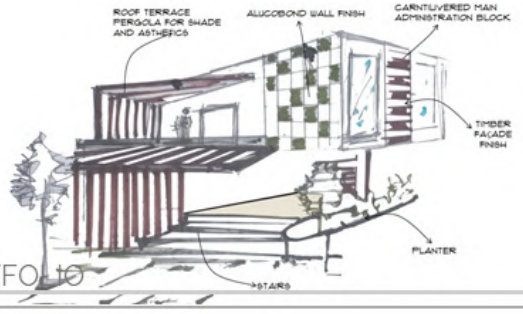
Materials & Construction:

Brick Work Construction
Large Louvre Blade Windows for maximum Natural Lighting and Ventilation
Bamboo Construction

All Materials are to be locally sourced ..

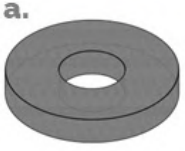
Conceptual





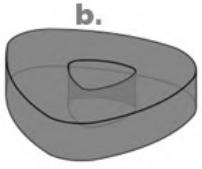
Form Development

a.



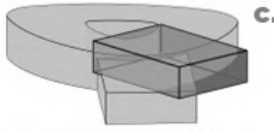
A circular shape was utilized at the central part of the building to represent life as a continuous cycle

b.



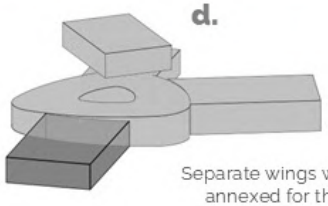
The form was altered to emphasize that life is a not a perfect journey.

c.



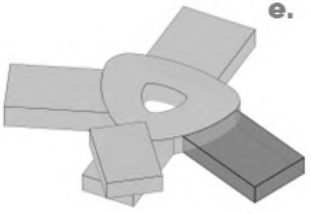
The main administration space was slanted to symbolize life's imperfections.

d.

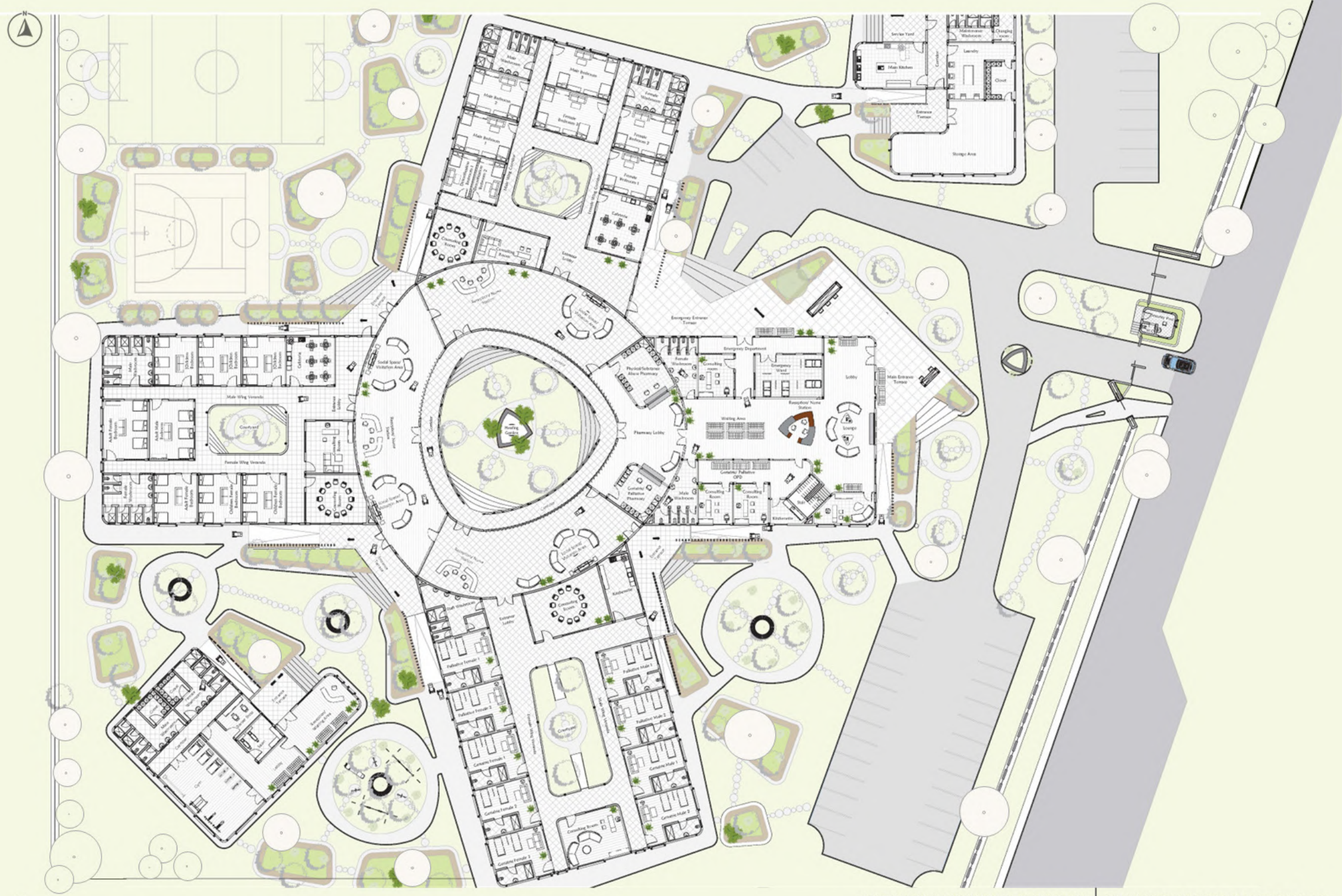


Separate wings were annexed for the various departments, aiming to enhance the ease of facility management.

e.



Final form features four departments symbolizing life's stages (Birth, Puberty, Marriage, Death), emanating from the building's center.

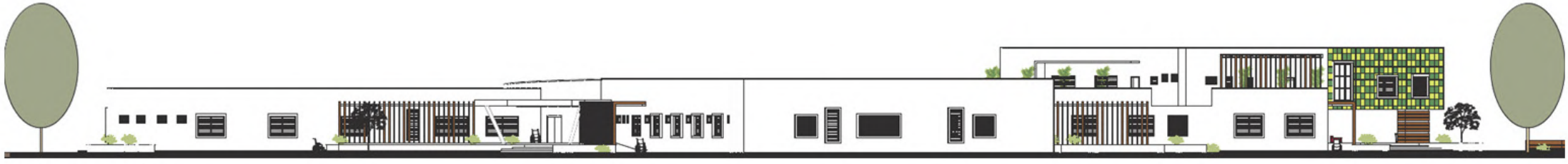


Ground Floor Plan

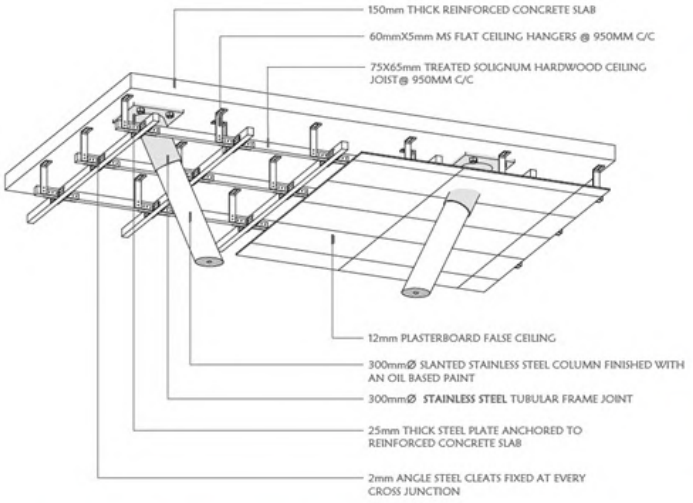
3D View of the children playground



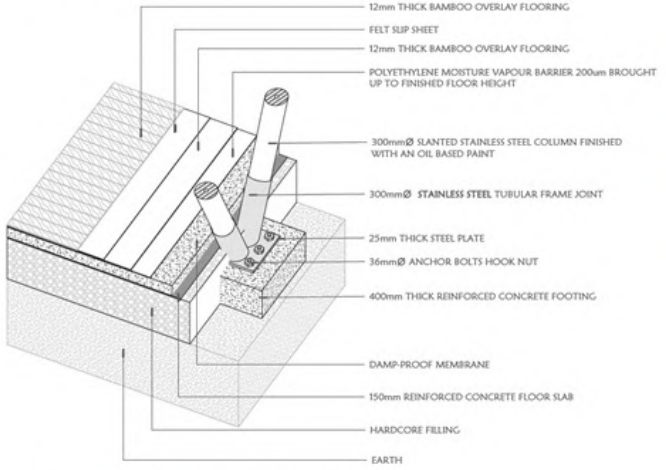
East Elevation



South Elevation



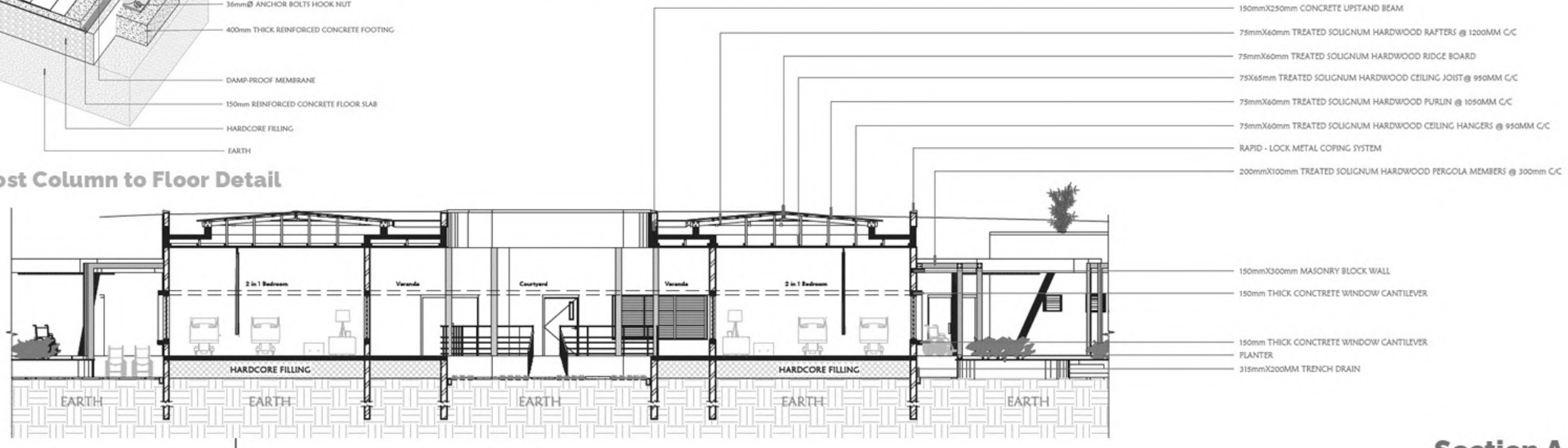
V-Post Column to Ceiling Detail



V-Post Column to Floor Detail



3D View of the OPD/Administration



Section A

05

Shells of Elegance

A Workshop on Spatial Intelligence and Emotional Spaces Part 1

Type:	Academic Workshop
	Coordinator/Participant
Main Project Activity:	Construction of a 1: 10 version Wooden Organic Cube
Location:	KNUST Campus, Kumasi, Ashanti Region, Ghana
Date:	November, 2024
Participation:	Was part of the organization Team of the workshop and one of the 5 participant groups of 5 members each.
Skills	Presentations — PowerPoint
	Physical Model Construction
	Post Production — Adobe Photoshop



Introduction

The Shells of Elegance integrates spatial intelligence and emotional design principles to transform urban environments into spaces that enhance well-being.

With distinct zones tailored for introspection, creativity, and social connection, the goal is to craft vibrant, emotionally resonant urban spaces that meet diverse user needs while promoting sustainability and inclusivity with adaptive lighting and soundscapes to create a calming and engaging atmospheres as the curved forms and textured materials provide visual and tactile comfort. The 1 : 1 Structure is to be built at three locations on KNUST Campus in March, 2025.

Concept

At its core is the idea that thoughtfully designed environments influence well-being, creativity, and connection. Using the Organic Cube as a prototype, the workshop explored how natural, organic forms, textures, adaptive lighting, and strategic spatial layouts can create environments that inspire calmness, introspection, and mindfulness.

The "shells" represent protective and nurturing forms, embodying elegance through simplicity and fluidity. By leveraging spatial intelligence—the ability to understand and manipulate spatial relationships—the concept seeks to craft spaces that resonate emotionally, enhance user experience, and align with sustainable and inclusive design principles.

Materials & Construction: Treated Wood

Form Development

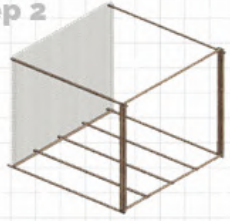
Major Step-Step approach to the construction of the organic Cube

Step 1



Back Panel Construction using already created wood pieces

Step 2



Creation of the Structural framework

Step 3



Construction of the Side and Top Panels

Step 4



Distribution of Laths as Cross Struts

Step 5



Creation of the defined Cut-Out Boundary





Images of the construction process





Images of the construction process

06

Light of Day **Oasis**

Light and Form: Integrating Natural Illumination with Vernacular Architecture

Type:	Architectural Competition
	Group of 2 individuals
Competition Name:	International VELUX Award for Students of Architecture
Location:	Bongo, Upper East Region, Ghana
Date:	May, 2024
Participation:	I executed the conception phase of the project with my colleague, the production of 3D representations individually and the detailing representation with my colleague.
Skills	3D model — Revit Autodesk/SketchUp
	3D Impression — Lumion
	Post Rendering — Adobe Photoshop



Introduction

The International VELUX Award, held biennially, celebrates its 11th edition in 2024 with the theme "Light of Tomorrow." The "Day of Light Oasis Pavilion," submitted in the Daylight in Buildings category, is a community hub for Bongo in Ghana's Upper East Region.

Designed to be replicated in areas with unreliable electricity, it leverages natural light and sustainable principles. Inspired by Francis Kere's Gandos Primary School and ant mounds, the pavilion offers a space for learning, social events, and spiritual healing.

Concept

The design mimics ant mounds' temperature regulation and natural light maximization, updating traditional elements with modern solutions. Using locally sourced materials like mud and honeycomb bricks ensures sustainability.

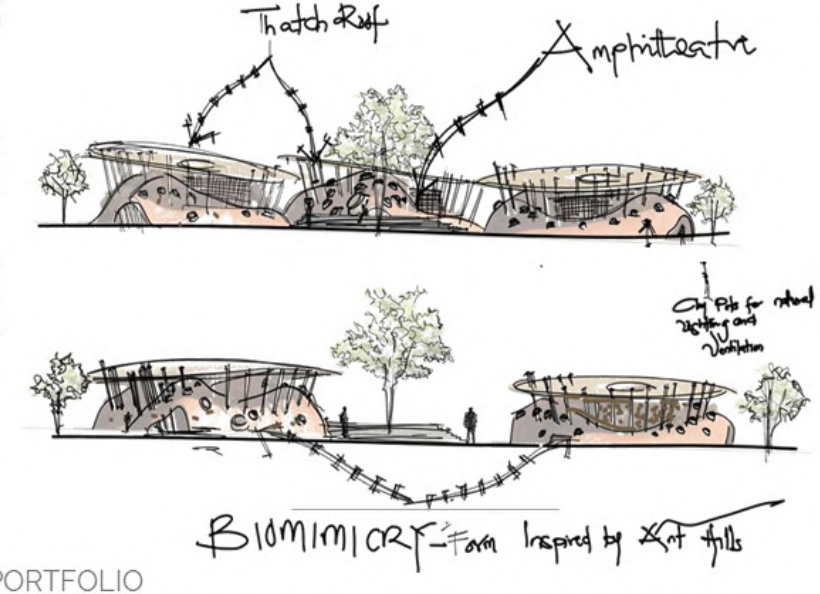
The roof features engineered clay pots and VELUX sun tunnels to channel natural light and maintain color, enhancing illumination on cloudy days and supporting passive air circulation. Passive cooling techniques, including honeycomb brick walls and strategic vegetation, create a microclimate that naturally cools the air.

Materials & Construction:

Brick Construction, Bamboo, VELUX sun tunnels, Steel, Concrete

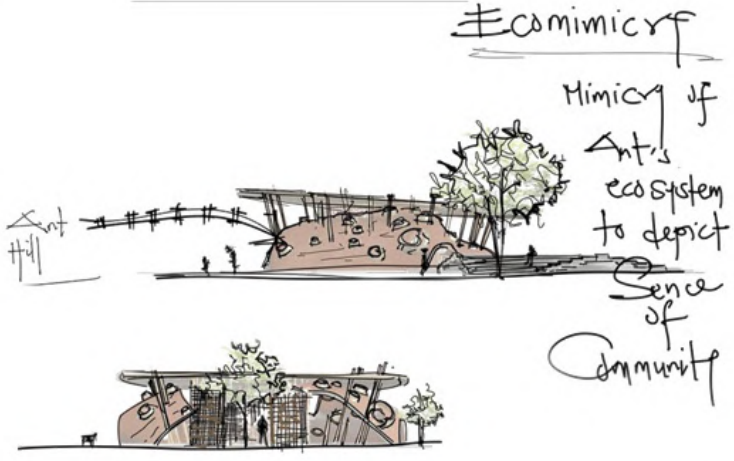
All Materials are to be locally sourced ..

Form Development



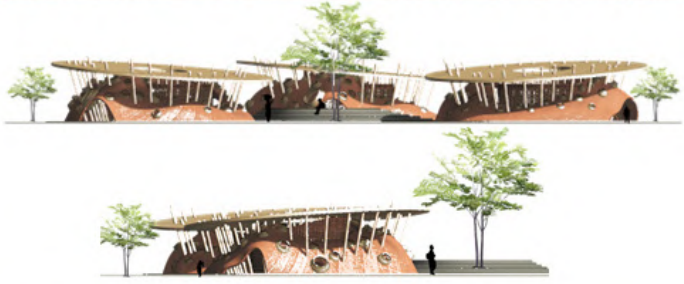
Concept of Biomimicry Architecture

Biomimicry "from bios, meaning life and mimesis to imitate" (Benyus 1997) was adopted for the design drawing inspiration from Ant mound for the form development.





3D View showing the three Pavilions



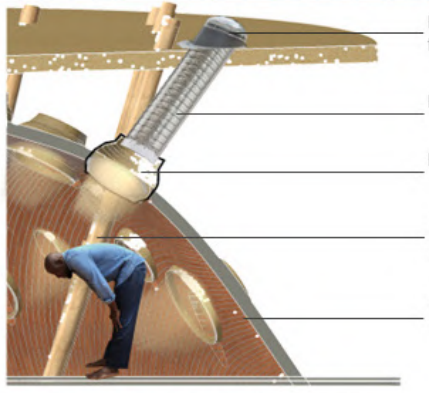
Sample Elevations of the Pavilion



Section through the Amphitheatre



Sample Sections



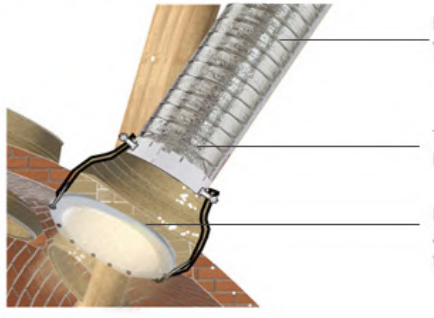
Sectional Detail of the Pavilion



Impression of the Central Courtyard Garden



Space being used for Prayers



Sun Tunnel Detail

07

SEEDS OF TERANGA

Nurturing Early Education with Community, Culture and Nature

Type:	Architectural Competition
	Group of 2 individuals
Competition Name:	Kaira Looro 2025 Competition: Nursery School Design
Location:	Rural Southern Senegal
Date:	June, 2025
Participation:	I executed the conception phase of the project with my colleague, the production of 3D representations individually and the detailing representation with my colleague.
Skills	3D model — Revit Autodesk/SketchUp
	3D Impression — Lumion
	Post Rendering — Adobe Photoshop



Introduction

The Kaira Looro 2025 Architecture Competition invites young designers to create a nursery school for rural communities in southern Senegal, where access to safe and stimulating early education is limited.

The competition focuses on simple, sustainable construction using local materials and self-build methods, aiming to provide children with spaces for learning, play, and community support while responding to real social and environmental conditions in the region

Concept

'Seeds of Teranga' is a nursery school concept inspired by the Senegalese value of Teranga, emphasizing hospitality, care, and belonging. Circular forms reflect traditional village compounds and the symbolic shape of a fetus, creating a safe and inclusive learning space. A central courtyard with a storytelling tree evokes the arbre à palabres, encouraging dialogue and shared learning.

Sustainable, locally sourced materials such as rammed earth, thatch, and bamboo provide thermal comfort and support community-led construction. Classrooms are flexible and play-focused, with modular furniture that adapts to different activities. Natural ventilation, rainwater harvesting, and vibrant colors further enhance wellbeing and environmental harmony.

Materials & Construction: All Materials are to be locally sourced ..

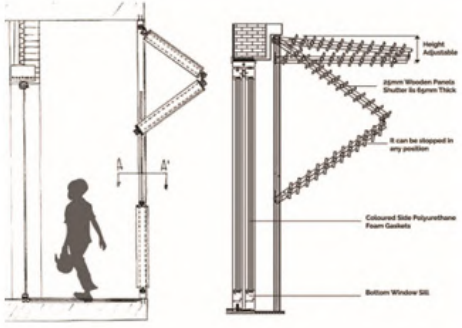
Brick Construction, Bamboo, VELUX sun tunnels, Steel, Concrete

Form Development

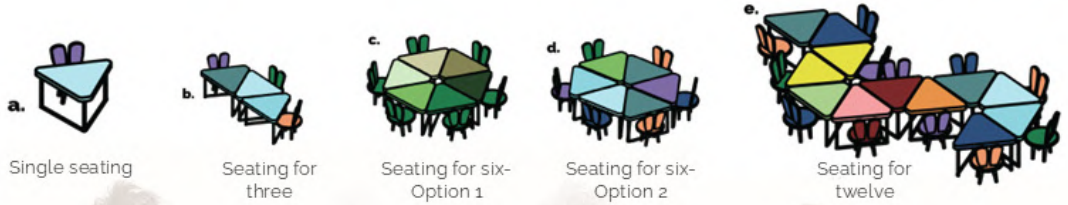


1. Segmented circular geometry is adapted for community and openness
2. Form is further evolved to symbolize a fetus, conveying the themes of nurture
3. An opening is incorporated into the roof to enhance natural light within the space.
4. A truncated cone-shaped roof is used as a modern interpretation on traditional Senegalese thatched huts, providing both cultural significance and climatic efficiency

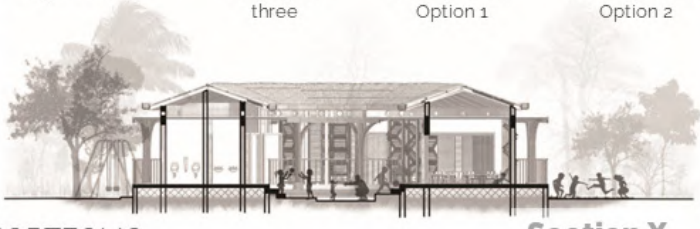
Foldable Vertical Jalousie Window



Seating Configurations



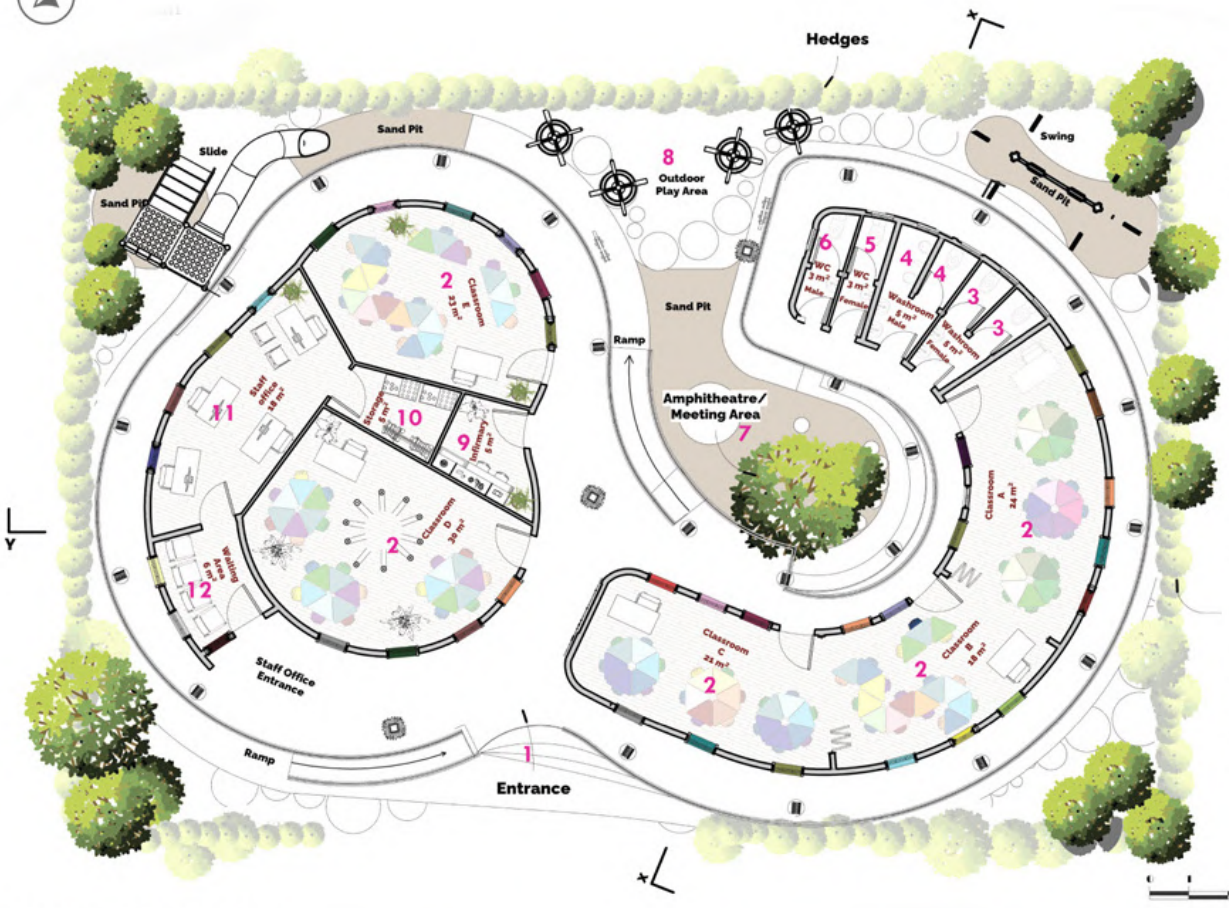
a. Single seating
b. Seating for three
c. Seating for six-Option 1
d. Seating for six-Option 2
e. Seating for twelve



Section X



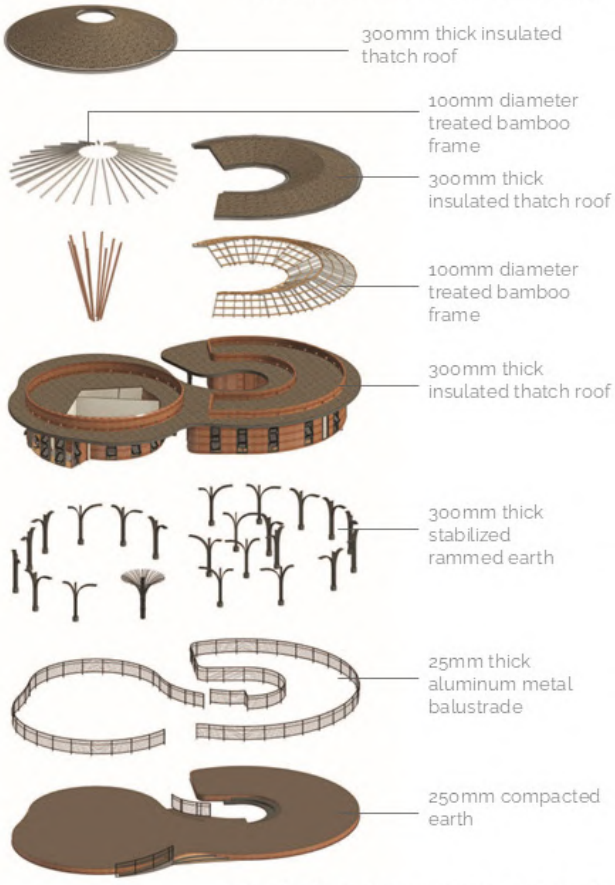
Section Y



Legend

1. Main entrance
2. Classroom
3. Female washroom for children
4. Male washroom for children
5. Female staff washroom
6. Male staff washroom
7. Amphitheatre/Meeting area
8. Outdoor play area
9. Infirmary
10. Storage
11. Staff office
12. Waiting area

Ground Floor Plan



Exploded Axonometric Detail



Aerial View Showing Children Play Area



View of the Courtyard of the Nursery



Veranda with Railing for keeping the Kids safe



Interior View of sample Learning Space

08

Curating in the **Wake of the Sea**

Reimagining the Keta Library as a Site of Eʋe Cultural and Ecological Knowledge

Type:	Pro Bono Architectural Design Group of 2 individuals
Academic/Charity	Master of Arts in Geography Research– University of North Carolina, Chapel Hill
Location:	Keta, Volta Region, Ghana
Date:	October, 2025
Participation:	I executed the conception phase of the project with my colleague, the production of 3D representations individually and the detailing representation with my colleague.
Skills	3D model: Revit Autodesk/SketchUp 3D Impression: Lumion Post Rendering: Adobe Photoshop

About the project

Curating in the Wake of the Sea: Reimagining the Keta Library as a Site of Eʋe Cultural and Ecological Knowledge started as an MA research project in Geography at the University of North Carolina, Chapel Hill. It has now shifted from academic study to a real-life project seeking grants to renovate the library and build some outdoor learning huts for reading and social interaction.

The library, once a colonial courthouse and now a public library, is in poor condition and frequently affected by flooding from the Keta Lagoon. The project aims to revive it as a center for cultural memory and environmental learning. Plans include exhibitions and an archive of photographs, videos, and oral histories documenting Keta's lost settlements, which continue to disappear due to coastal erosion.

The goal is to create a space for education, preservation, and community life—a place where children play, residents gather, and the history of Keta is actively remembered and shared.

Materials & Construction: All Materials are to be locally sourced .. Rammed Earth, Bamboo, Woodwork, Thatch, Steel, Concrete



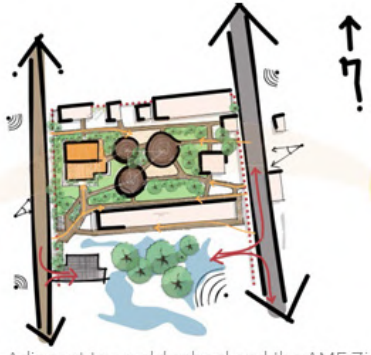
Form Development



- Site located between Keta Lagoon and the sea, exposed to flooding and erosion



- Concept aims to revive the library as a resilient cultural space



- Adjacent to an old school and the AME Zion Church, forming a community learning cluster

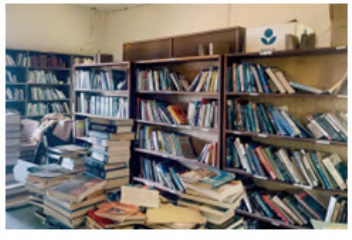
Culture & Ecology

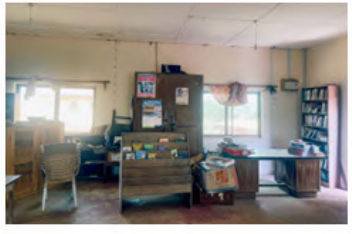


- Focus on preserving local history, documenting lost settlements, and supporting outdoor learning

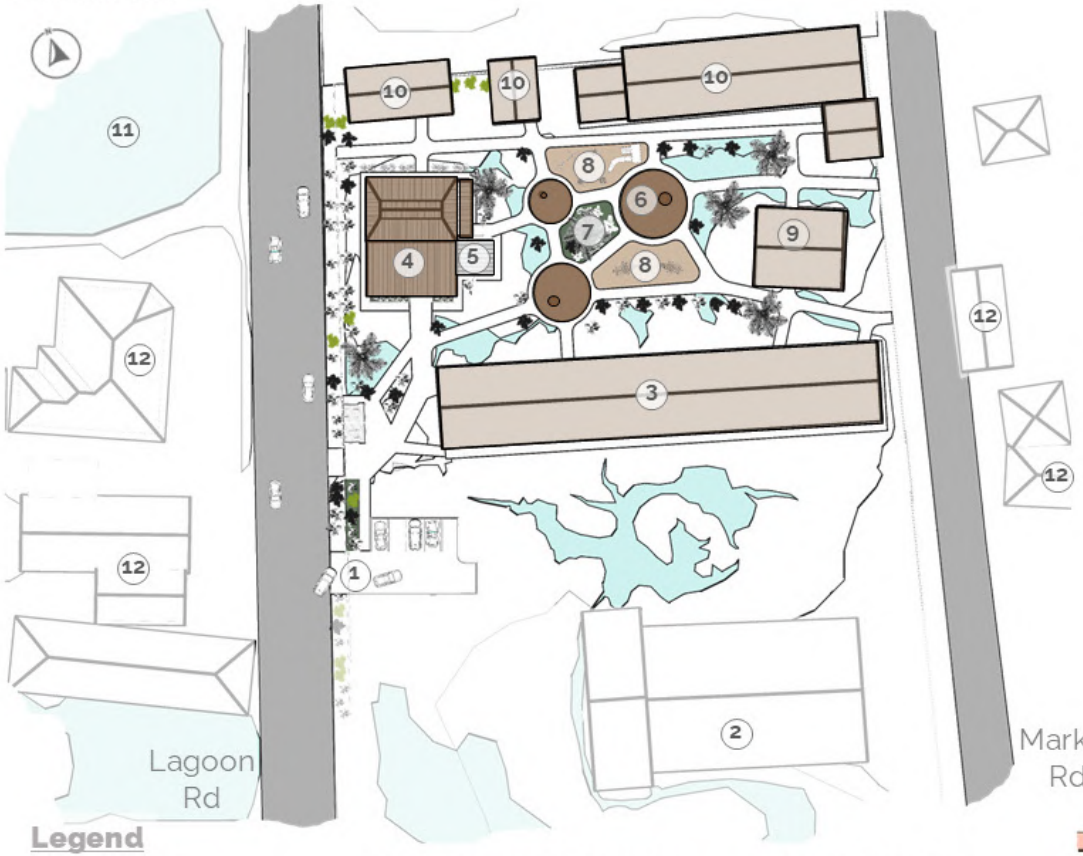
Existing Condition of the Library





Block Plan

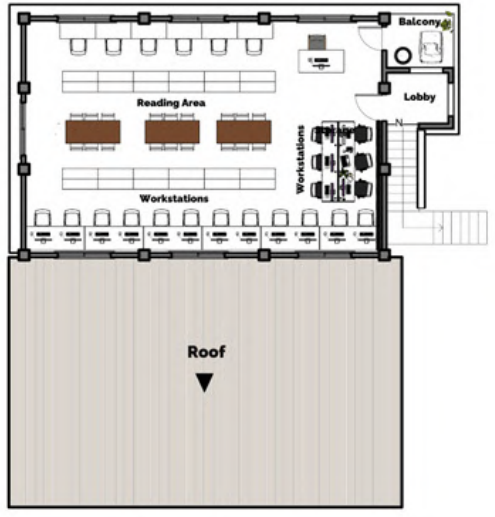


Legend

1. Main entrance
2. A.M.E Zion Church
3. Classroom Block
4. Main Library Block
5. Out-door Lounge Extension
6. Out-door Learning Huts
7. Garden
8. Play Area Sand Pit
9. Convenience Store
10. Abandoned Structures
11. Keta Lagoon
12. Houses



Ground Floor Plan



First Floor



:e Section



A Section through the Library



Front View of the Library with Gardens and Ground Cover incorporated into landscape



Entrance Foyer of the Library Renovate to Encourage Outdoor Use & Exhibitions



Learning Huts proposed for Out-door Reading and Socialization



Interior of the Library Renovated Accommodate Modern Library Activities

2025

Thank ...You

MICHAEL MAWUENA BACCAH
baccahmike@gmail.com
+233 24 554 5057
December 7, 2025

