

PORTFOLIO



CHARLES NJORI



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GRADUATE ARCHITECT

CONTACT



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NATIONALITY

Kenyan

Date of Birth

03.08.1999

Gender

Male

HOBBIES | INTERESTS



EDUCATION

May 2024–December 2025

Technical University of Mombasa.

Tudor, Mombasa County

Bachelor of Architecture

September 2019- December 2023

Technical University of Mombasa.

Tudor, Mombasa County

Bachelor of Architectural Studies.

November 2018

Annestar Boys High School

Nakuru County

Kenya Certificate of Secondary Education.

Achievement B+

November 2014

Hilltop Academy.

Nakuru County

Kenya Certificate of Primary Education.

Achievement B+

WORK EXPERIENCE

Jan - April 2024

Locus Studios.

Architectural Intern.

- Developing architectural drawings and drafting
- Developed exterior renders and post production images
- Developed and designed presentation documents for clients
- Worked closely with team to communicate project needs

Jan - April 2023

Ministry of Public Works, Mombasa

Architectural Intern.

- Developing architectural drawings and drafting
- Developed exterior renders and post production images
- Site inspection

SKILLS AND EXPERTISE

- Architectural Design
- 3D Modelling and rendering
- Graphic Design
- Supervision
- Teamwork

SOFTWARE PROFICIENCY



Photoshop



Lumion



Archicad



Sketchup.



D5 RENDER



Twinmotion



D5 render.

Twinmotion

Rhinoceros

REFERENCES

Arch. Willis Nyange

Principal Architect

Locus Studios.

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Arch. Onesmus Mwatu

**Chairman of Department of Architecture
and Built Environment**

Technical University of Mombasa

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C O N T E N T S

01

**SWAHILI
CONSERVATION**

02

**MIXED URBAN
DEVELOPMENT**

03

**AFFORDABLE
HOUSING**

04

**ART GALLERY
CENTRE**

05

**PERSONAL
PROJECTS**

SWAHILI CONSERVATION

The goal was to apply skills and expertise in architecture, coupled with a profound understanding of the delicate balance

between conservation and modern design.

This Centre will comprise of shops, a swahili restaurant to spark the economy, offices and a short term rental apartments

on the upper floors for a panoramic view of the sea.

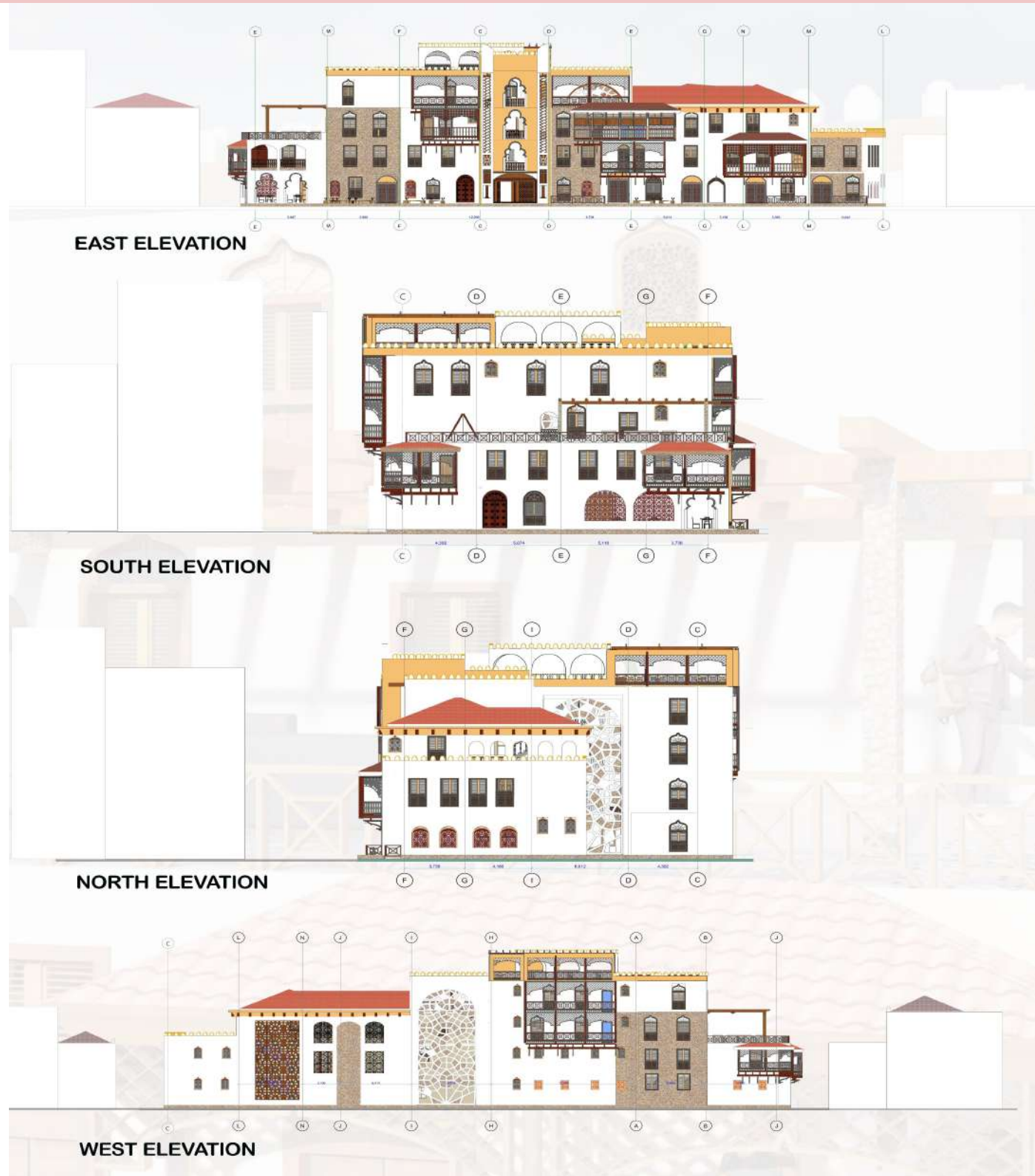
One notable aspect of the proposal is the designation of the government square fronting the site as an outstanding

baraza area. This strategic decision is intended to create a vibrant and communal space, contributing to the overall cultural and economic enrichment of the area



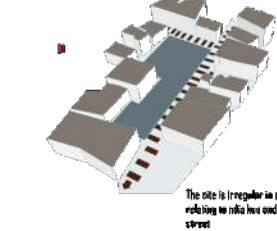
Porous facades and fenestrations

Cross ventilation- The choice of fenestrations features louvered openings coupled with mashrubiya screens to allow air flow while maintaining privacy. Stack ventilation- Ventilation relies on the temperature difference between the air inside the building and outdoors to drive the flow.

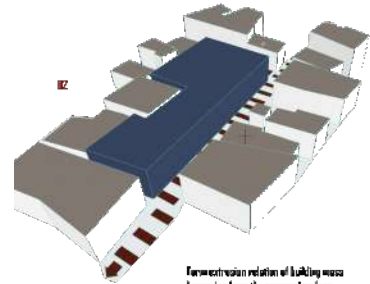


DESIGN CONCEPT: MUTUALISM

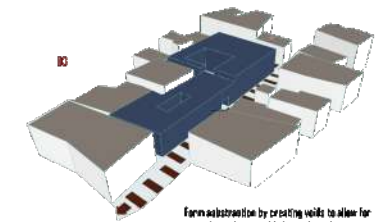
Looking at the design project from a perspective of inclusiveness that allows for diversity and integration of the built environment and the new-built environment. Design should focus on the relation of one space to another and how they can benefit from each other to ensure the building's function.



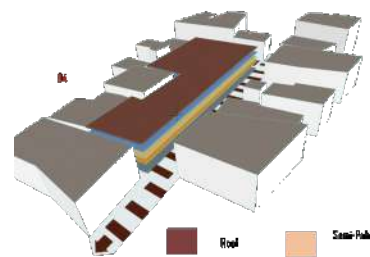
The site is irregular in shape, reflecting the old and new street.



Form extraction relation of building mass borrowing from the surrounding from surrounding neighbourhoods.

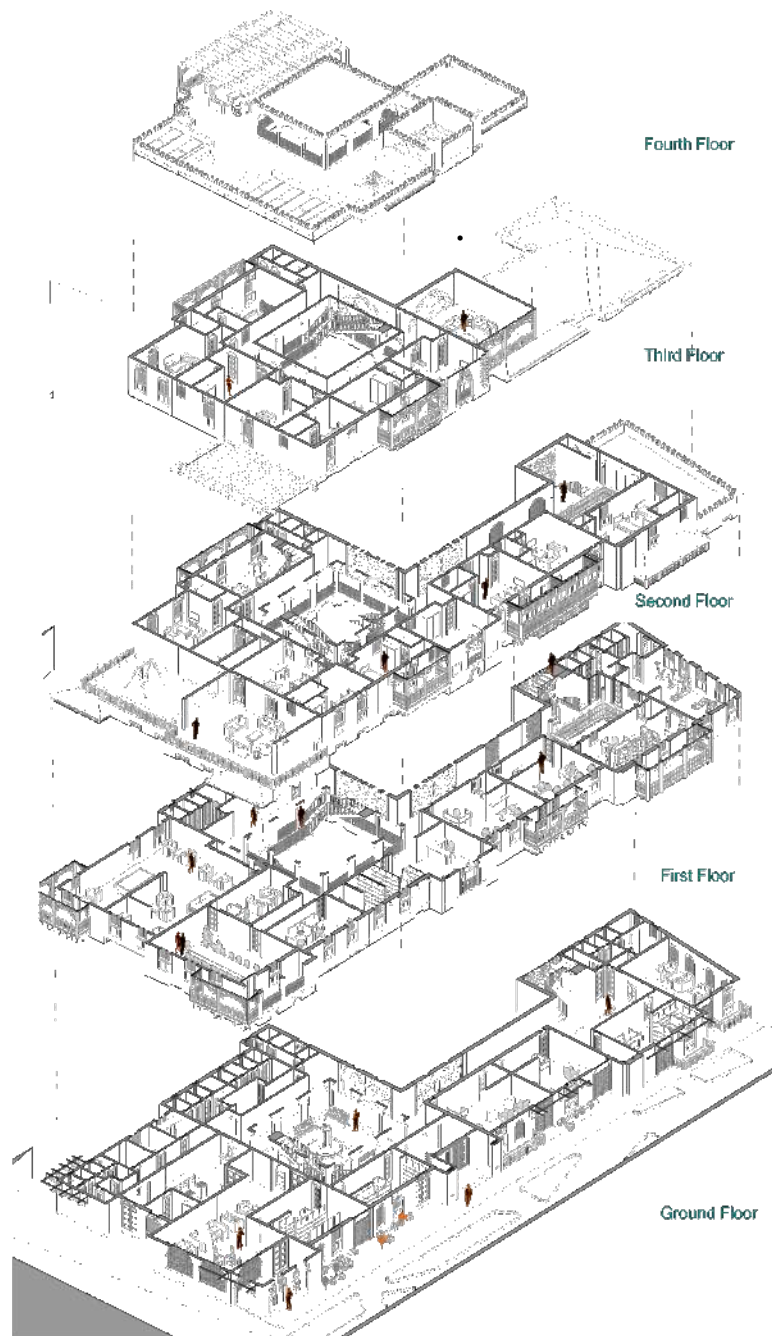


Form abstraction by creating voids to allow for natural ventilation and lighting. Introducing a courtyard to act as a linkage between the spaces. Defining the entrance with a void to show how the building relates to the roads.



■ Road
■ Residential
■ Semi-public space
■ Public space

3D AXONOMETRIC BLOW UP



Front View Render



GROUND FLOOR PLAN



Restaurant Exterior View



Restaurant Render

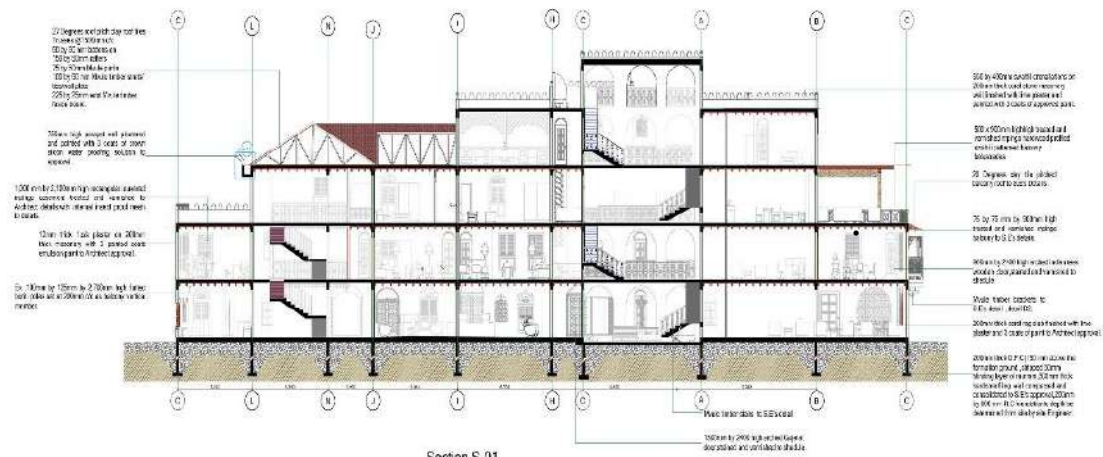


Courtyard Render

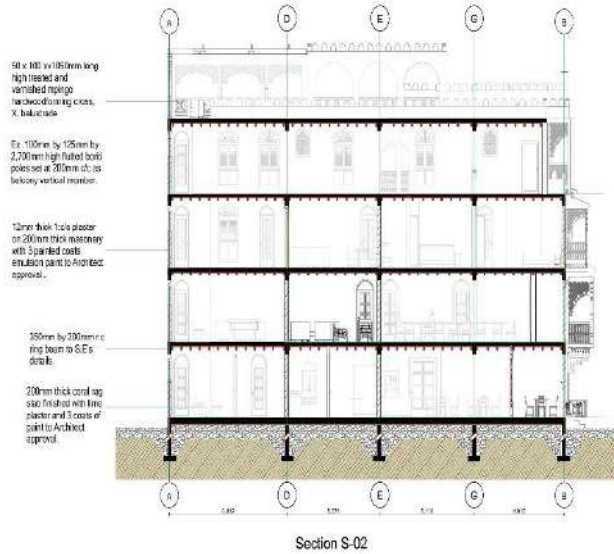


FIRST FLOOR PLAN

CONSERVATION PROJECT OLD TOWN MOMBASA



Section S-01

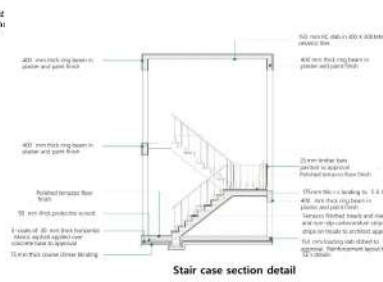
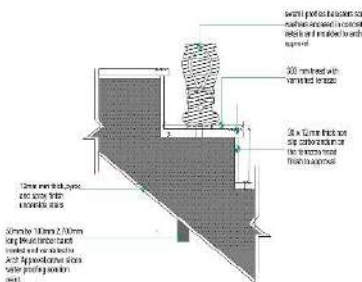
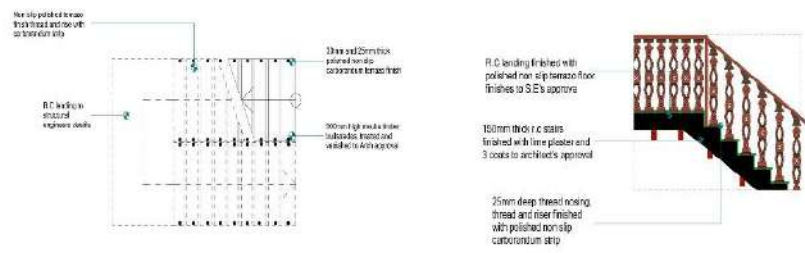


Section S-02

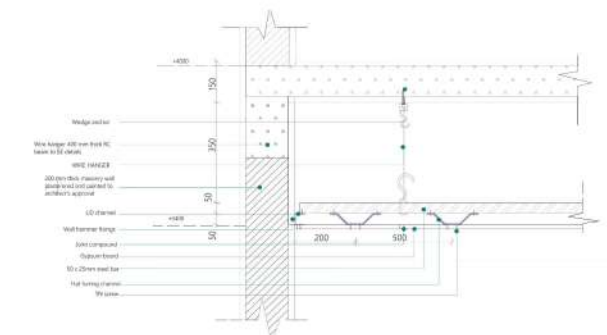


3d Cut Out Showing the spaces interaction with the courtyard

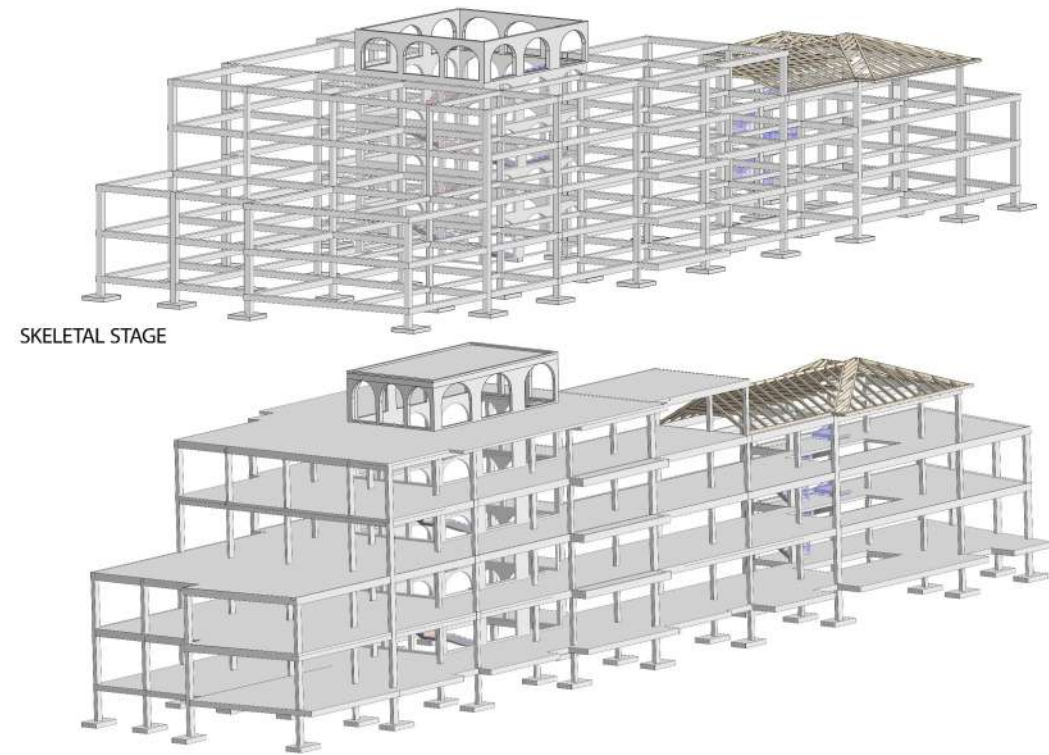
Stair Case Functional Details



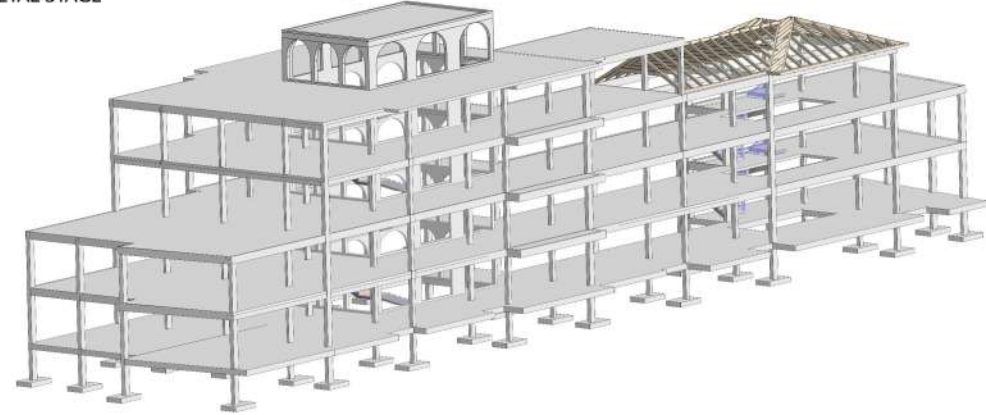
Stair case section
scale:50



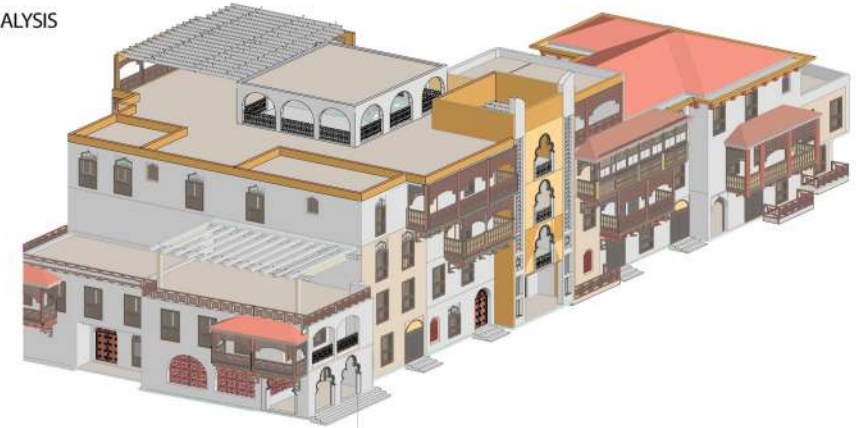
GYPSIUM FIXING TO WALL AND
SLAB to wall detail
SCALE 1:5



SKELETAL STAGE



STRUCTURE ANALYSIS



3D MODEL

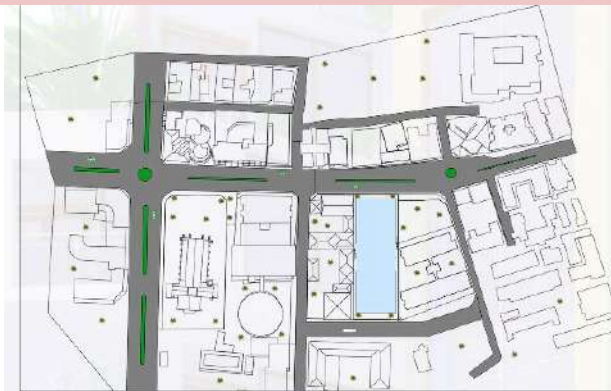
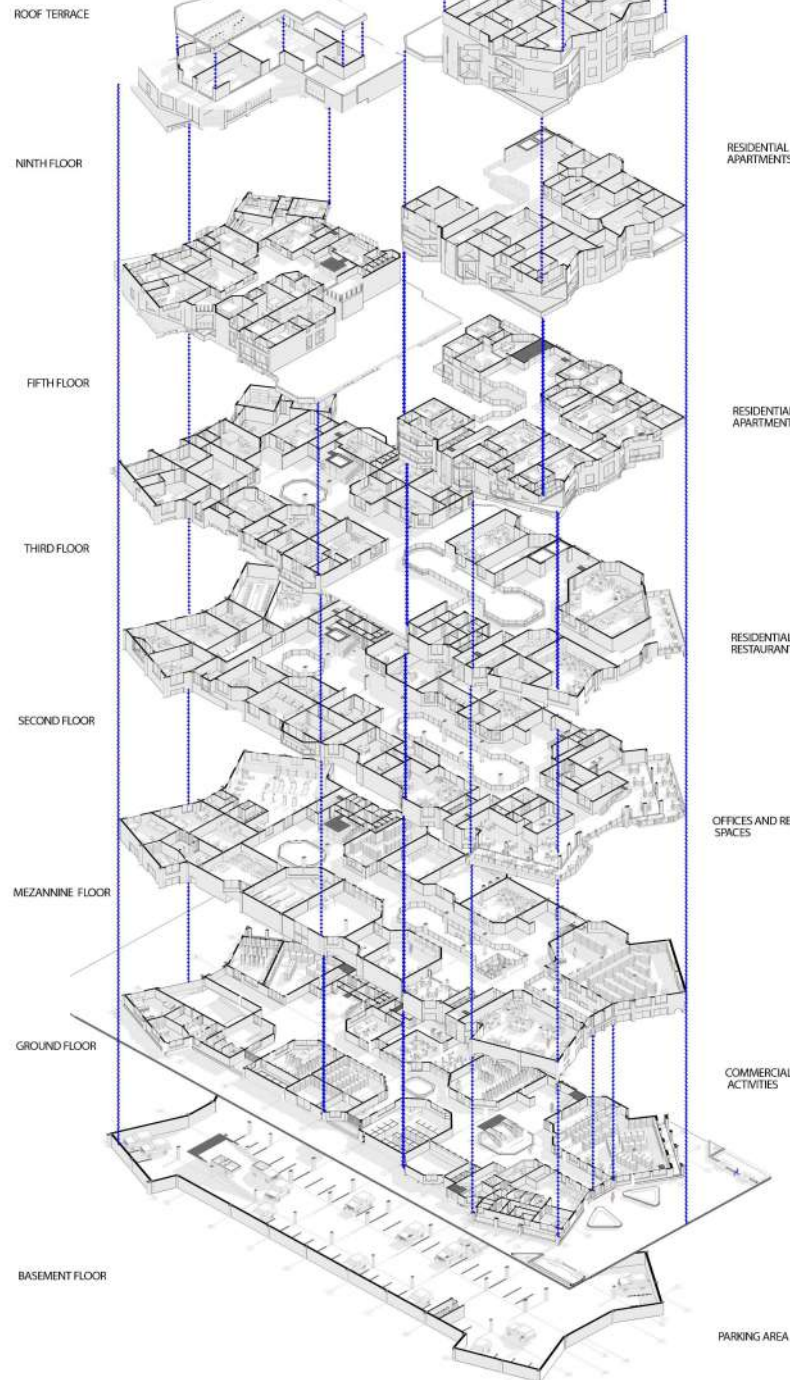
A MIXED URBAN DESIGN

The project involves designing a rich and complex milieu by exploring opportunities, challenges and obstacles at hand and providing solutions to the design.

Among the requirements was to incorporate commercial activities, offices and residential spaces in the design. Coming up with a design that will enhance business and learning activities hence making Nkrumah Road a 24 hr economy street as mentioned in Mombasa vision 2035.



ISOMETRIC ILLUSTRATION VIEW



SITE LOCATION 1: 1000

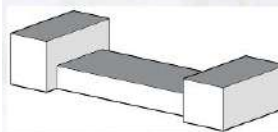
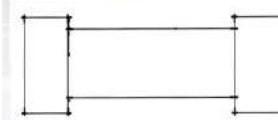
Site Plan



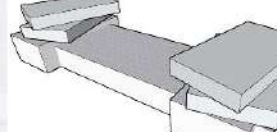
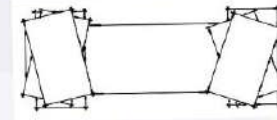
SITE PLAN 1: 500

CONCEPT DECONSTRUCTIVISM

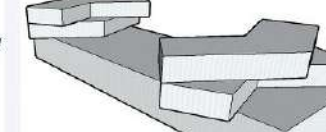
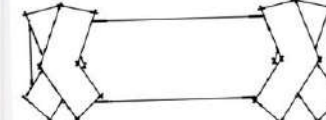
FORM EXTRUSION



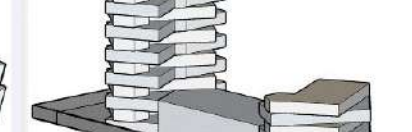
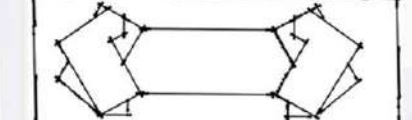
FORM FRAGMENTATION CREATING VIEWS



FORM DISPOSITION CREATING TERRACES AND SUNSHADING ELEMENTS



FORM ABSTRACTION CREATING A FUNDAMENTAL AND DISINCTIVE STRUCTURE



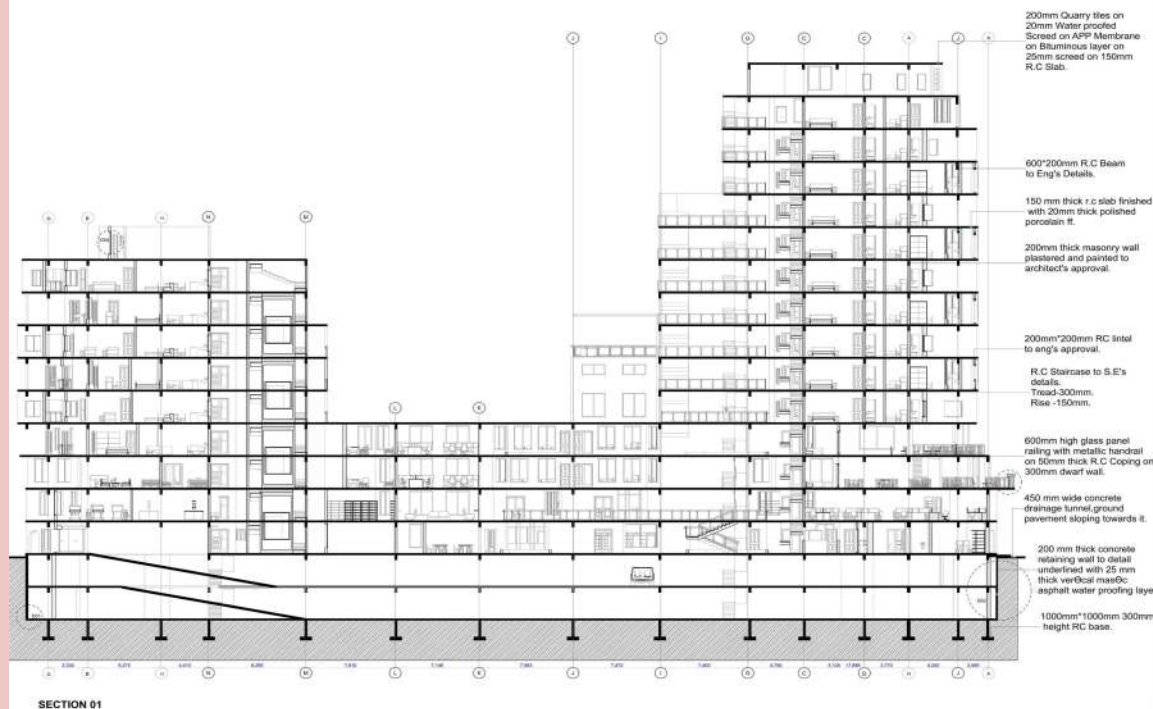
EXTERNAL RENDERS



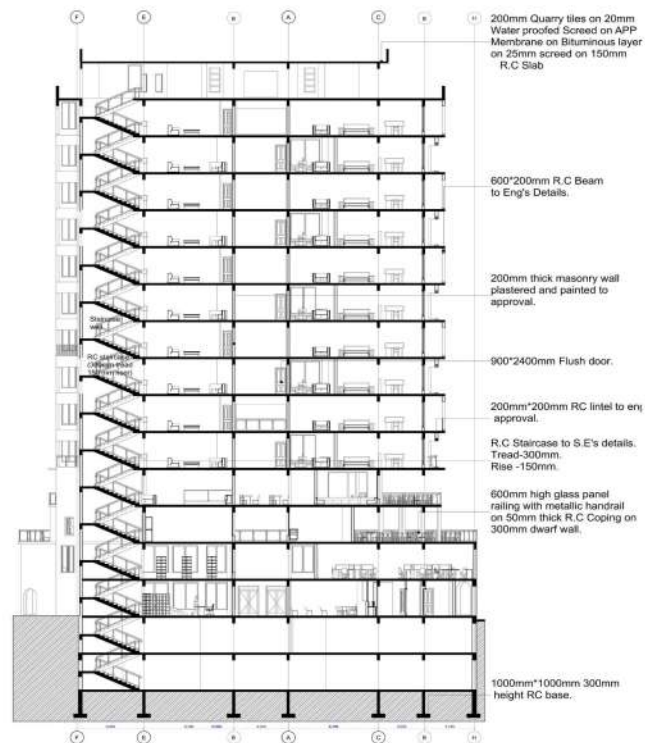
REAR EAST RENDER



REAR WEST RENDER



SECTION 01



SECTION 02





AFFORDABLE HOUSING.

The project involves redevelopment of Mombasa CBD, with the specific area being bound by Ronald Ngala road, Mombasa road and Swale Ngala Road. This ensures that Mombasa residents will have access to sound and affordable modern housing with upgraded and greatly renewed support infrastructure.

The task was revival and uplifting of urban housing to meet the rising demand for housing in Mombasa.



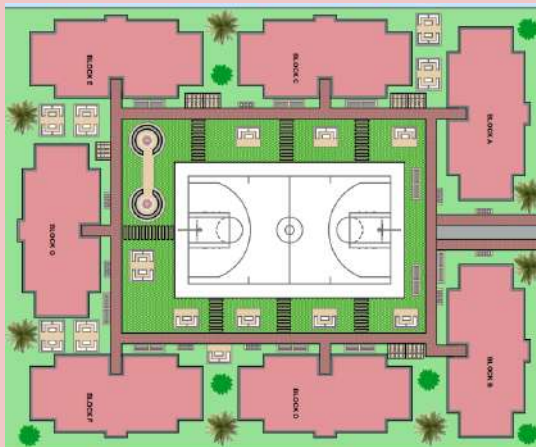
Main road elevation view



CLUSTER A



JOGGING TRACK



CLUSTER B



WATER TREATMENT PLANT



AFFORDABLE HOUSING

BLOCK TYPOLOGIES

STUDIO UNIT 26 SQM



1 BEDROOM UNIT 45 SQM



2 BEDROOM UNIT 65 SQM



3 BEDROOM UNIT 82 SQM



BLOCK TYPOLOGY A

5 One Bedroom
Apartments and 5 Three
Bedroom Apartments

TYPICAL CLUSTER



AFFORDABLE HOUSING

TYPICAL CLUSTER



ART GALLERY CENTRE.

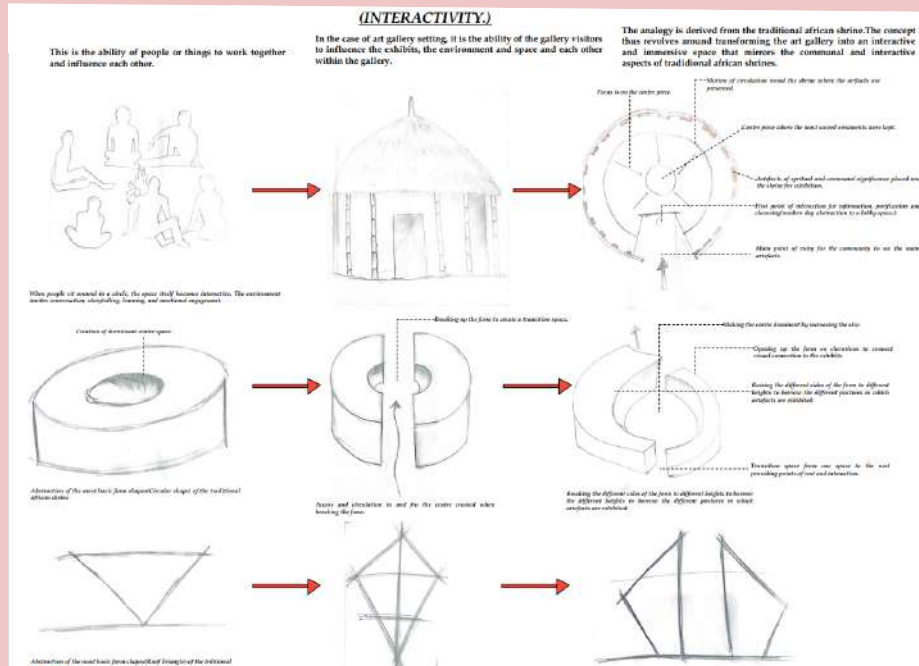
Thesis Title

The role of built form in enhancing the user experience in art galleries.

Located in Nanyuki, Laikipia, the Bobs Art Gallery is an art's centre that hosts multiple facilities such as craft workshops, exhibition spaces, administrative, curio shop and restaurant.

Concept: *Interactivity.*

Interactivity is the guiding concept of the art gallery, where architecture becomes an active participant rather than a passive backdrop.



Relationship to thesis.

Interactivity places the user at the center of the design. This aligns perfectly with the thesis focus on "enhancing user experience," because it ensures that every design decision responds to how visitors behave, learn, and emotionally connect with art.





FRONT ELEVATION SCALE 1:100



ELEVATION

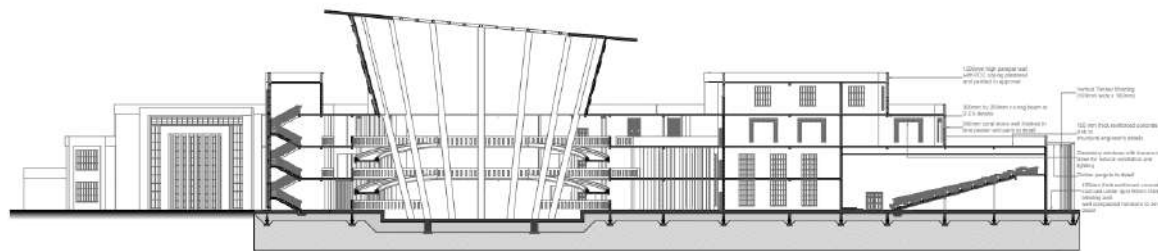


SIDE ELEVATION SCALE 1:100

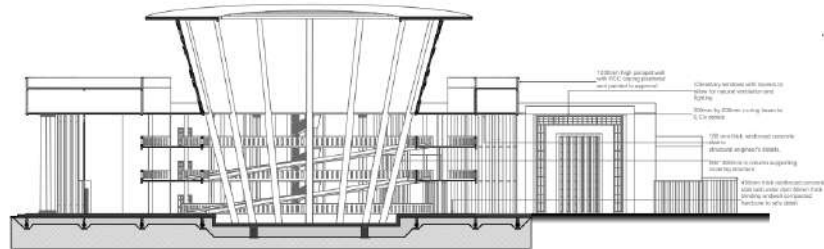


ELEVATION

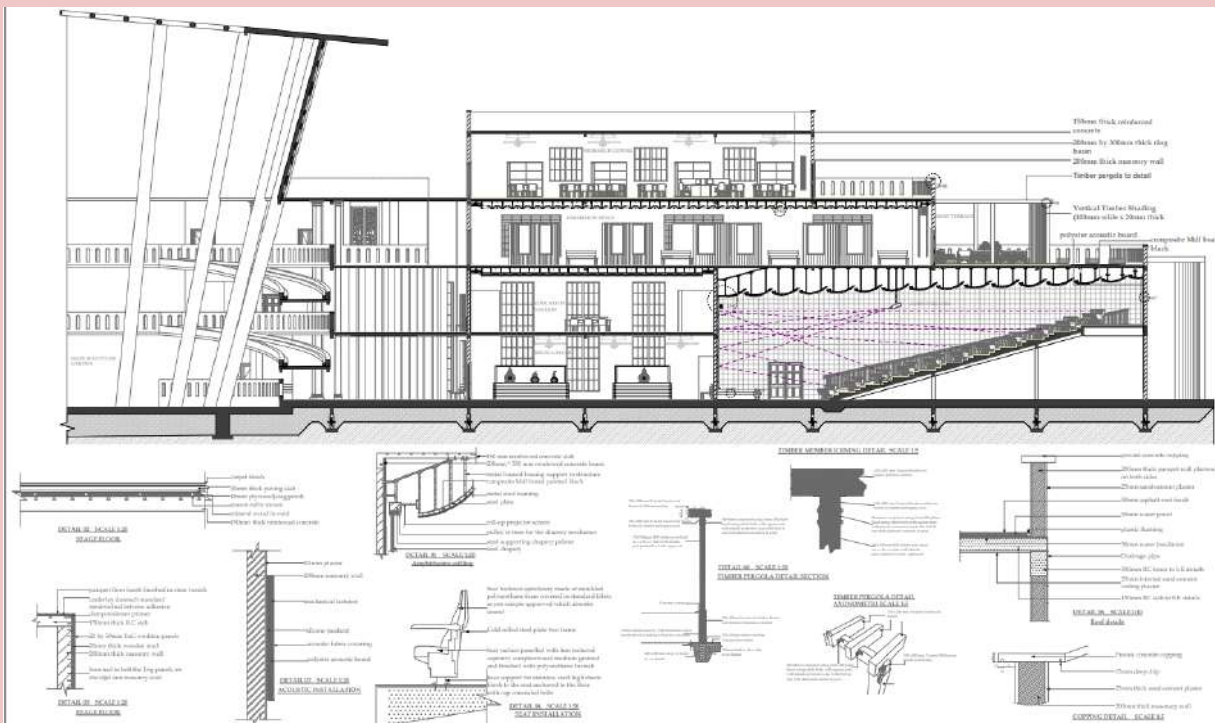




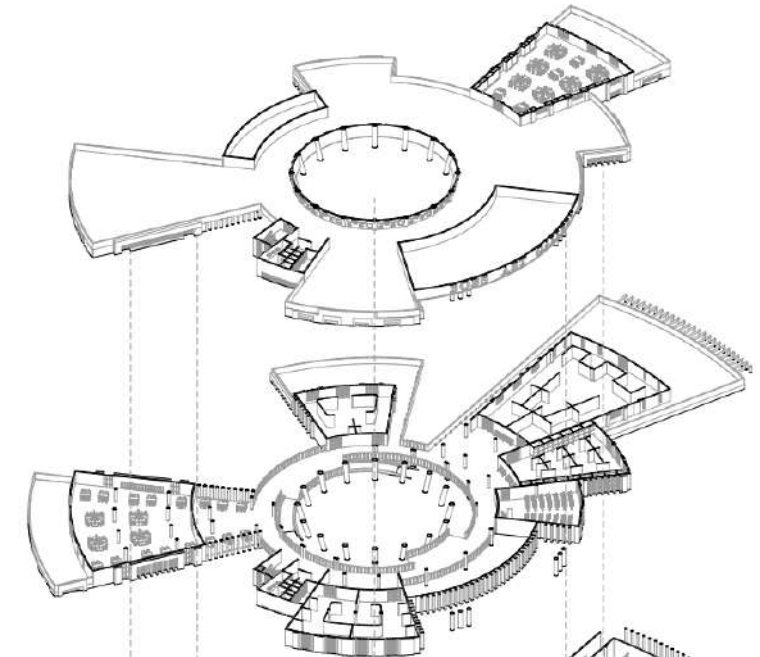
SECTION A-A SCALE 1:100



SECTION



CUT OUT SECTION AND DETAILS.



CUT OUT SECTION



SCULPTURE GARDEN.



SCULPTURE GARDEN.



RESTAURANT INTERIOR.



INTERIOR



EXHIBITION SPACE INTERIOR



RECEPTION AREA.



EXHIBITION SPACE INTERIOR

PERSONAL PROJECTS.

This section contains a compilation of some of the projects I have engaged in both at a personal level and through partnerships.







BOBS ART GALLERY

CHARLES NJORI
ARCHITECTURE + DESIGN



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THANK YOU