



ARCHITECTURE PORTFOLIO

Aden Saitabau Kumary
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Aden Saitabau Kumary

I'm a Graduate Architect with Medium level experience looking to broaden my experience and skills.

I'm equipped with knowledge in the field of Architecture, Interior design and Landscape architecture. I can handle a project from the Inception/ concept stage to production of detail drawings.

I'm looking for a position where my knowledge and skills will be an asset to the organization, whilst exposing me to the industry and furthering my experience especially on how to run and manage Architectural projects. I'm an enthusiastic and competent individual with strong work ethics and integrity.



@the_lordcommander



@kiungakumary



Aden saitabau kumary

Personal Information

Tel:0726-057201 | 0751-057201
e-mail:adenkumary@gmail.com
www.carbonstudio.com

Career Objectives

To work in a challenging environment that will foster growth of both skills and knowledge. To grow into a dependable individual with capacity, who's qualifications and aptitude will be an asset to the organization and help in the achievement of the organization's goals and visions.

Education

2017 - 2019

University of Nairobi
Bachelor of Architecture

2013 - 2016

University of Nairobi
Bachelor of Architectural studies

2011 - 2013

Kenya Institute of Highways & Building Technology
Higher Diploma in Structural Engineering

2008 - 2010

Kabete National Polytechnic
Diploma in Architecture

2003- 2006

Ilkisonko Boys High school
Kenya Certificate of Secondary Education

1995- 2002

D.E.B Primary School Oloitokitok
Kenya Certificate of Primary Education



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School projects

- Kajiado west Technical Training college
- The River Front (MUD in downtown Nrb)
- Low cost Housing- Kariakor,Nairobi
- Malindi Tourist Terminal
- Architecture school



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- National Assembly & County Hall
- Kenya Insitute of supplies & management
- Kiambu traders market
- Community Centre
- Ngong Road Apartments



Private Commissions

- Oldonyo Oibor Sacco Hotel
- Mashua Business Complex
- Leonard Mpaayo Residence
- Maxwell Kimeu Residence
- Odeke kirapa residence



Architectural Visualization

- Arch.Collins Atego Town houses
- Naomi Wangari
- Reagan Wege
- Julius Mburu

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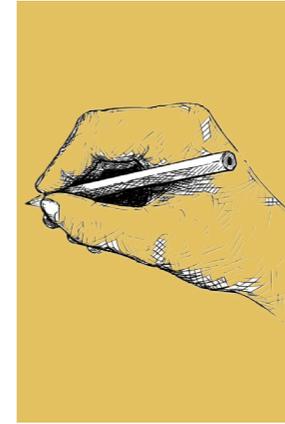
Interior design projects

I have carried out several interior design projects from Small Residential Projects to Office interior designs

- Kenya Institute of supplies & management (Ngong road)
- Shilpa Choudari Villa Residence (Gachibowli, India)
- Arch Collins Atego Town Houses



SCHOOL PROJECTS



Dissertation Project :Kajiado west Technical & vocational college

PROJECT BACKGROUND

For significant economic growth a country has to invest in human development. A prudent government assigns priority to human development in its policy formulation. One of the important component in HD is the technical vocational education and training (TVET).

TVET refers to education and training that prepares you for employment. In 2013 Kenya established the Technical and Vocation Training Act, to provide for establishment of technical and vocational education training system and to provide governance and management of institutions offering technical and vocational training.

Vision 2030, the country's development blue print, aims to transform Kenya into a newly industrializing "middle income economy by the year 2030.To Meet this target Kenya must avail a work force that is highly skilled, creative and innovative. TVET is recognized to play a major role in the preparation of such man power.

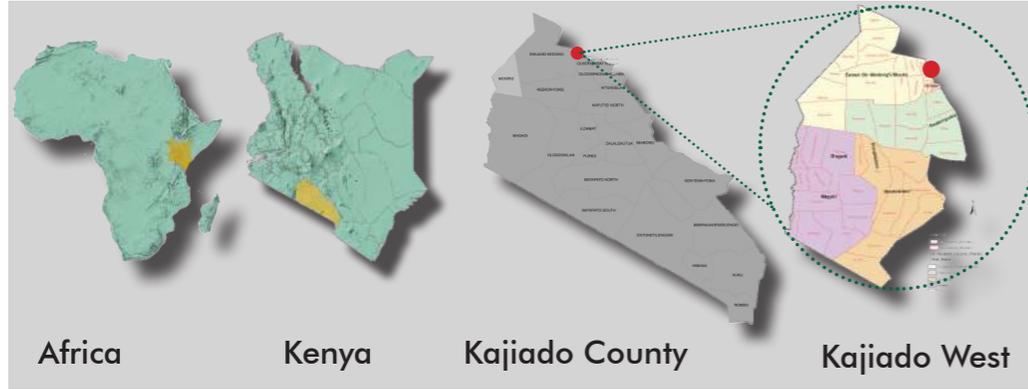
With the introduction of the Act in 2013,the government has shifted its focus on building and equipping new technical schools that conforms to international standards, infrastructural development that is a prerequisite for development of this skills.

PROJECT BRIEF

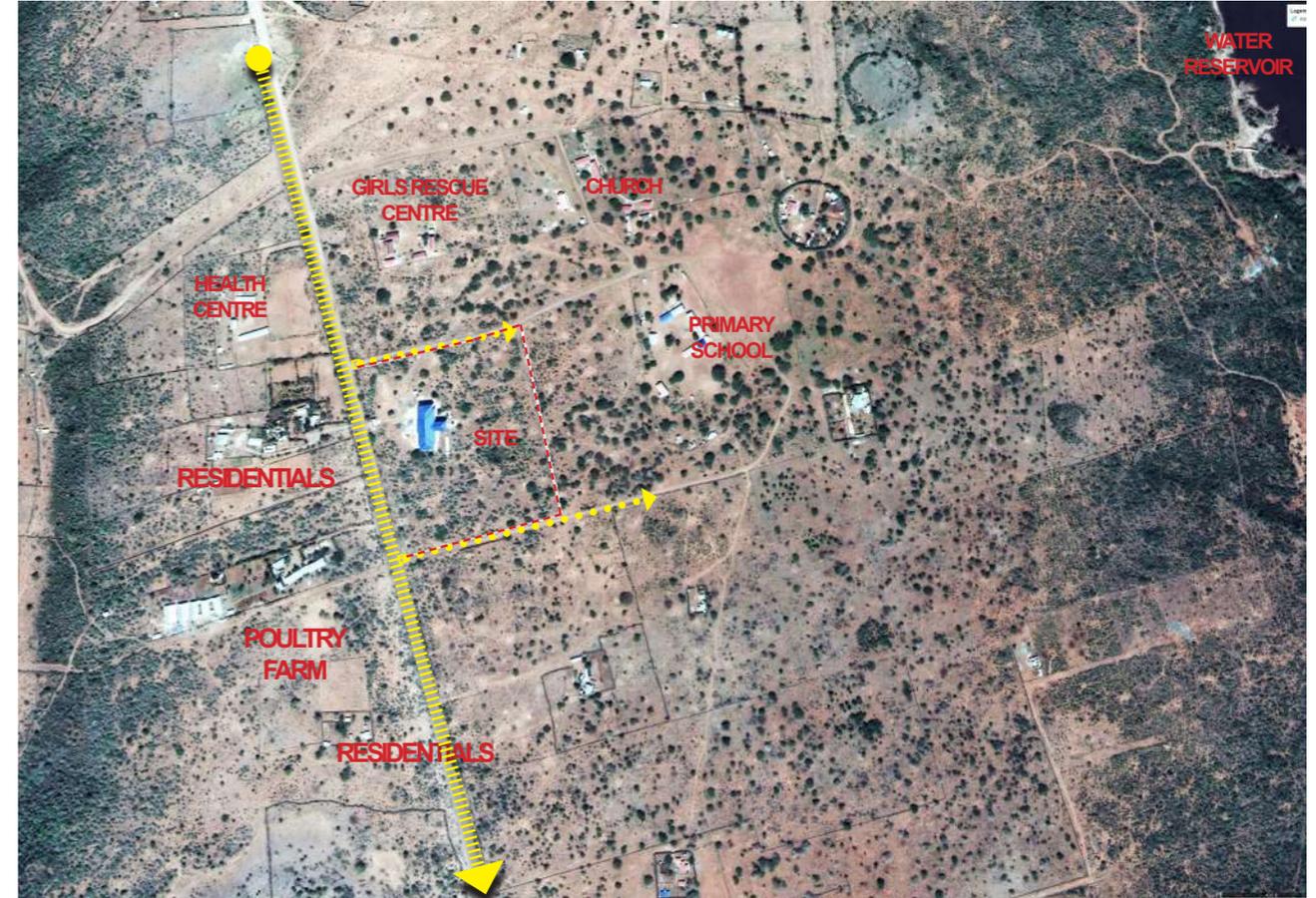
Design of a technical training college, one of its kind in Kajiado West,and fully equip it with proper equipment necessary for dissemination of skills that meets the demands of the job market. The college is going to be a spring board for the country's vision 2030, in recent times the government has identified 4 pillars that will catalyze growth this are Affordable Housing, Manufacturing, Food security and universal health care,for attainment and realization of this targets skilled man power is a prerequisite, thus provision of infrastructure where attainment of necessary skills needed to fuel the above mentioned sector is of much importance.



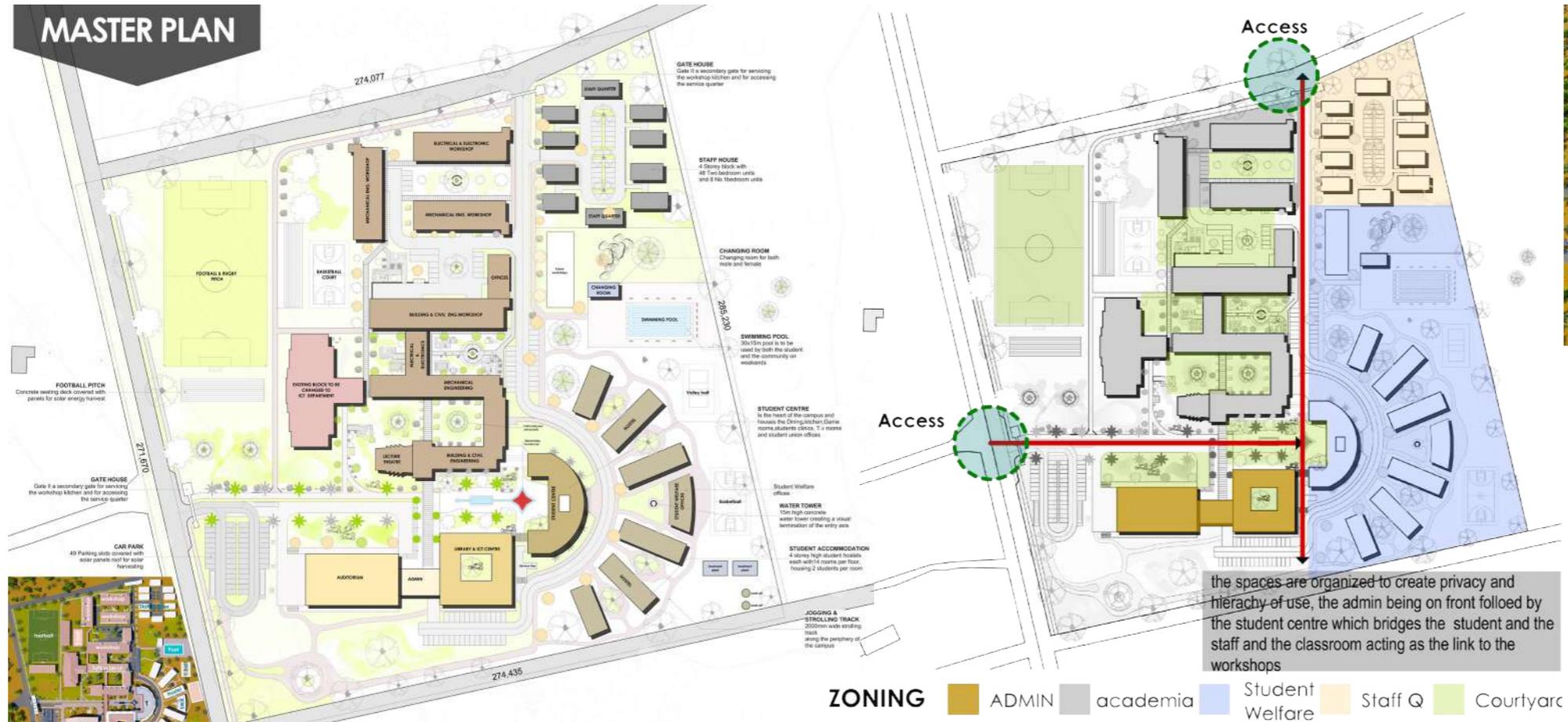
Kajiado west Technical & vocational college | Dissertation Project



The site is located in an area called Oloshoor Oibor Along Kimuka-Kisames road and apprx. 4 kilometres from Kimuka town in kajiado west constituency, Kimuka is approximately 18 Kilometres from Ngong town. The site is an 18 Acres piece of land along the Ngong-Magadi Road an all-weather road which is currently being tarmacked. The site is flat and dotted with shrubs and Acacia trees.

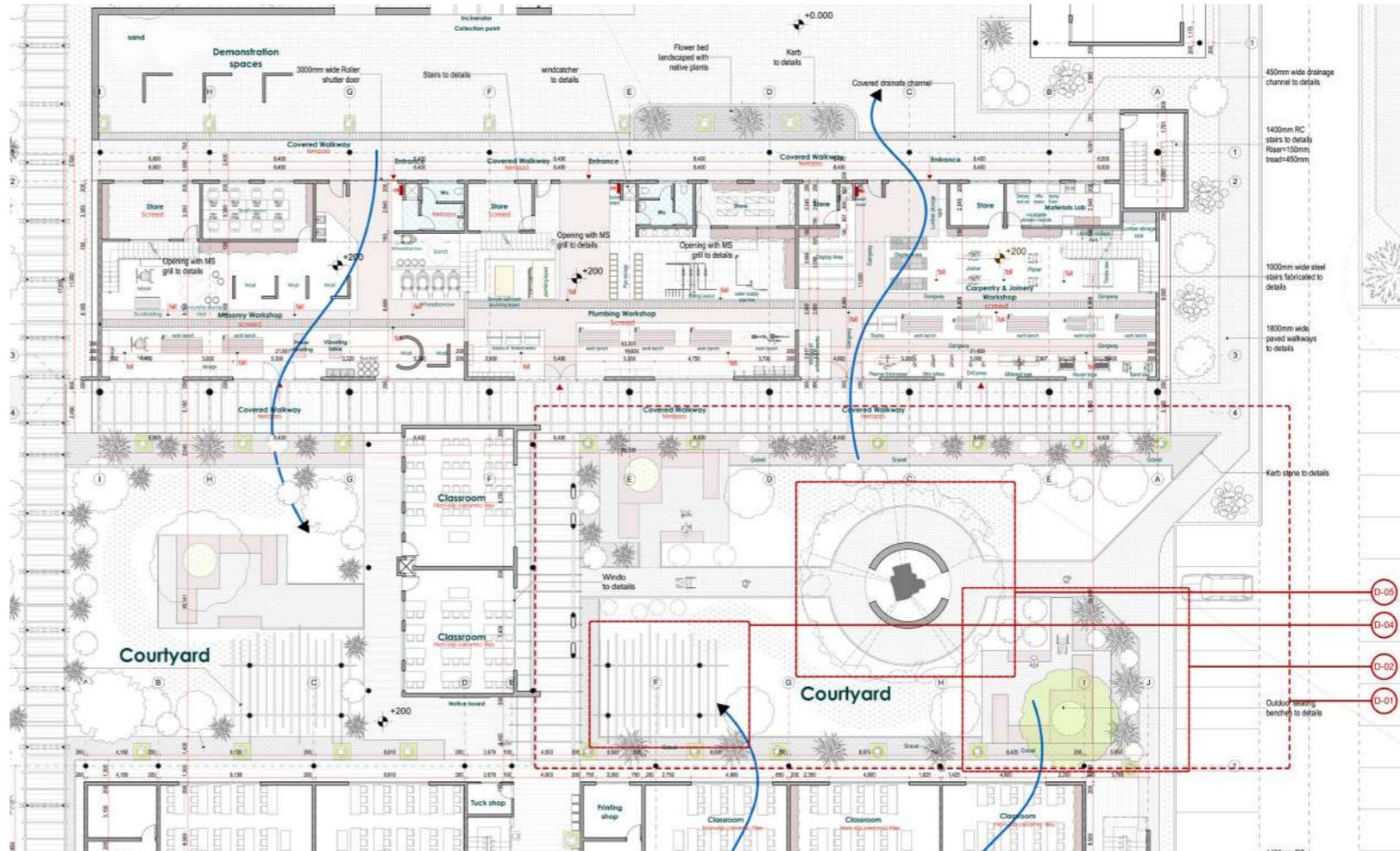
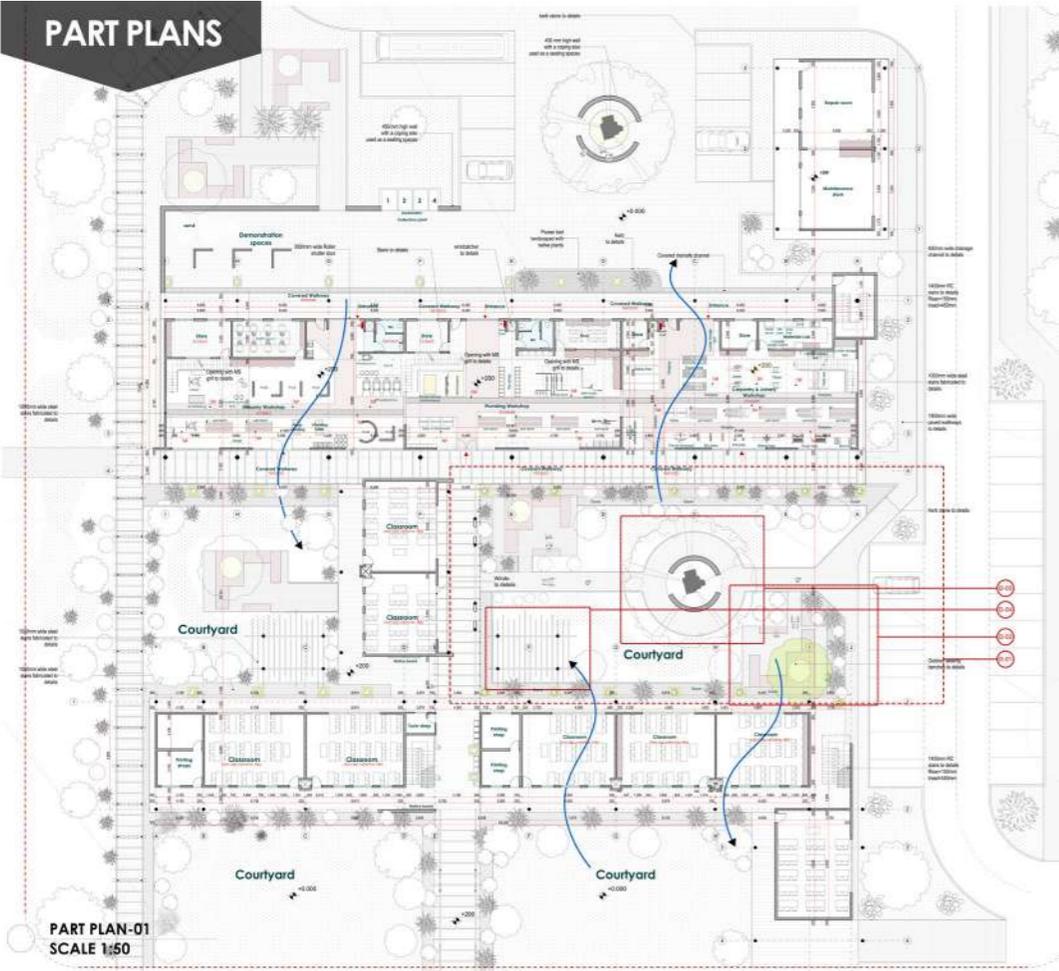


MASTER PLAN



setup in a rural center with hot dry climate the designer intended to design a school which offers the learners with an apt and conducive learning environment. The design sought to pave the way and give direction in matters design and construction in the region. The concept is having the learning spaces around pockets of landscaped courtyards, these courtyards are intended to foster and encourage out of class discussion and interactions between students of different faculties, it also improves the experience of movement through campus. The buildings are narrow and elongated this helps reduce surface area exposed to solar radiation thus minimized heat gains. The planning zones the school into four zones namely; Academia, Student welfare, Administration, and staff area. the layout is design to create a sequence is both heirarchy of spaces and privacy with the administration and more public spaces fronting the road and the more private spaces on the rear as can be seen from the layouts above

PART PLANS



KWTVC RENDERS



Simple facade design with light colored finishes, recessed glazing and repeated vertical sunshades. The repeated vertical sunshade unifies the campus and gives it a distinct character and pattern language



PASSIVE STRATEGIES USED

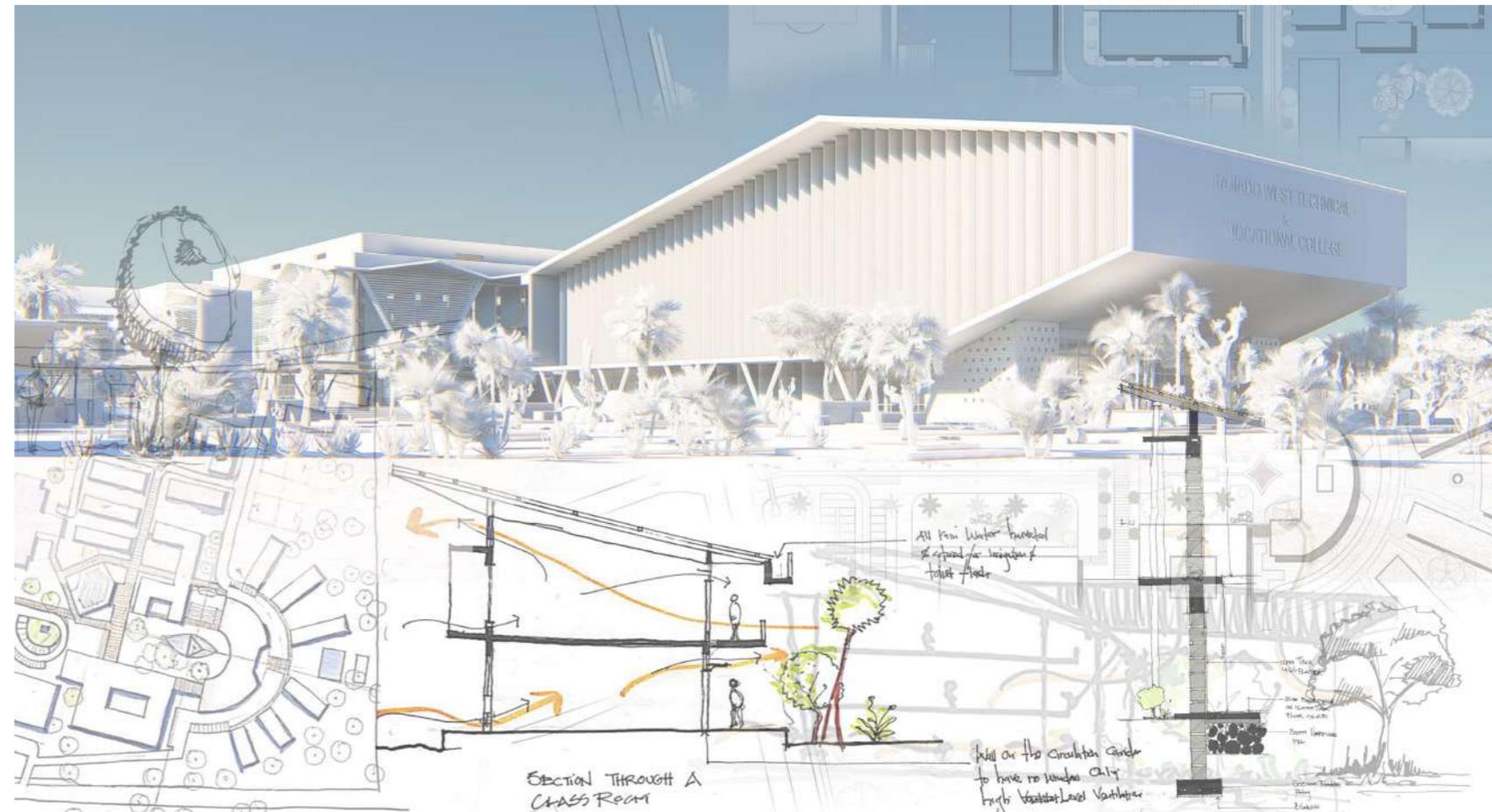
- Compact planning
- Orientation
- Use of courtyards
- Smooth light colored finishes
- walls with high thermal mass
- Deep overhangs
- sunshading devices
- Rain water harvest
- Solar energy
- use of native plants for landscaping
- Wind catcher(malqafs)



TUITION & WORKSHOPS BLOCK



AUDITORIUM



STUDENT CENTRE



ELEVATIONS



WORKSHOP

This is one of the most important spaces in this institution it is where hands on skills are acquired. Apart from the stores, open workspaces the workshop also has classrooms staff rooms and laboratories.

TUITION BLOCK

There are about 30 classrooms distributed to different departments. The classrooms are made of masonry wall, columns, beams and covered with ITS iron sheets.

STUDENT CENTRE

The student centre is strategically positioned to bridge the more formal administration square and the student accommodation. It houses several functions which includes dining spaces games rooms student leaders offices among others.

AUDITORIUM

The auditorium is the most prominent building on campus both by design and size it has a capacity of 800 and has been design to fit in the hot and dry climate of Kajiado west the coffee lounge on the main entrance serves as a waiting space.

ELEVATION 01 1:100



LIBRARY

The library is a 3 storey block housing different functions on ground floor is the reception/leasing desk reading space and carrels. The first floor accommodates more reading spaces staff offices and the staff lounge. Second floor is the college ICT data centre.

FORECOURT

The forecourt is a democratic space designed to boost spontaneous interaction between students of different department and member of staff. It fronts the library and student centre creating a focal breakout space which essentially forms the heart of the college.

TUITION BLOCK

The tuition block is a two level building with classrooms on both levels. The circulation is on one side this makes which faces the courtyard on this side the designer deliberately avoided large opening to control noise level. The windows are sunshaded and design to boost cross ventilation.

COURTYARD

The courtyard bridges the quiet classrooms and the workshops. It is landscaped to create pocket of relaxation spaces which are ideal for continuation of discussion of lectures and practical sessions.

WORKSHOP

This is one of the most important spaces of this institution its where hands on skills are acquired. Apart from the stores, working, the open workspaces the workshop also has classrooms, staff rooms and laboratories.

GATE HOUSE

The gate house is the main entry to the college it houses the security office, holding cell and waiting space.

ITS iron sheet on masonry wall on 300mm upper panels on 150mm upper supports by masonry panel frame.

Thermal strategy to details

Some brick coping on 200mm brick brick walls.

Wall finished with light colors to reflect sunlight.

ELEVATION 02 1:100



GATE

The gate house is the main entry to the college it houses the security office, holding cell and waiting space.

AUDITORIUM

The auditorium is the most prominent building on campus both by design and size it has a capacity of 800 and has been design to fit in the hot and dry climate of Kajiado west the coffee lounge on the main entrance serves as a waiting space.

ADMINISTRATION

The admin is sandwiched between the library with some functions overflowing to either buildings its visible from the main entrance for ease of access by the public.

LIBRARY

The library is a 3 storey block housing different functions on ground floor is the reception/leasing desk reading space and carrels. The first floor accommodates more reading spaces staff offices and the staff lounge. Second floor is the college ICT data centre.

STUDENT CENTRE

The admin is sandwiched between the library with some functions overflowing to either buildings its visible from the main entrance for ease of access by the public.

Some brick coping on 200mm brick brick walls.

Wall finished with light colors to reflect sunlight.

Wall finished with light colors to reflect sunlight.

Structuring steel beam to 1" sheet metal.

Column walling with special panels for ventilation.

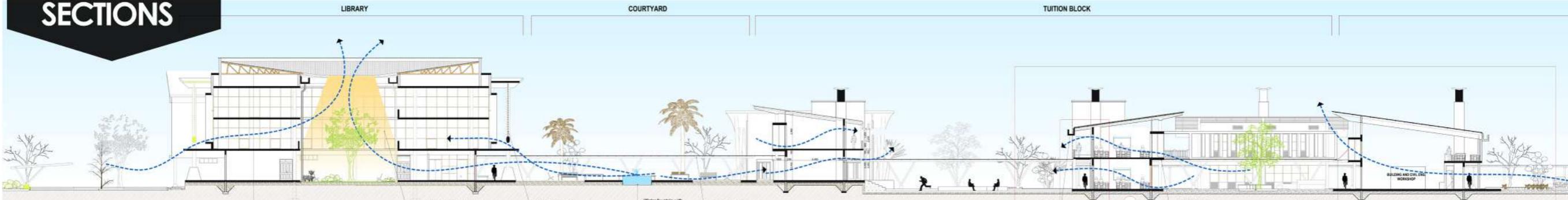
ITS/ITS iron sheet concrete base.

WATER TOWER

15metre high water tower

ELEVATION 03 1:100

SECTIONS



SECTION X-X

LIBRARY

The library is a skeleton frame structure with beams and columns forming the main frame. masonry walls together with aluminium partitions are used to divide the spaces. The main openings are on the north and south facade and are sunshaded with 'V' shaped lattice. The central part is an atrium which ventilates and light the interior spaces its also used as a reading space.

FORECOURT

The forecourt is an important focal with relaxation spaces parked with benches and a water feature, the spaces has both soft and hard landscape. the water fountain helps cool the library, student centre and the Classrooms as dry air passes through before entering the adjacent spaces.

TUITION BLOCK

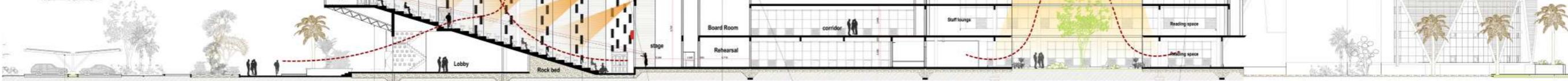
The tuition block is a two level building which is narrow in plan, this allows for cross ventilation and adequate daylighting which are much needed in a study space the windows on the lower level is sunshade by a protrusion on the first floor this together with the thermal chimney keeps the interior spaces cool throughout the day.

COURTYARD

The courtyard is landscaped with native trees which create suitable shaded spaces to be enjoyed during the day. The trees cuts of the sun from reaching the ground thereby reducing radiant heat and glare. The trees also cools the warm air before entering the classrooms.

WORKSHOP

Is a double volume spaces, with a mezzanine floor towards the shorter end the headroom helps keep the space cool despite the heavy machinery. Thermal chimney and wide shaded windows allows for cross ventilation and quick dissipation of heat.



SECTION Y-Y

FORECOURT

The forecourt is a breakout space for interaction and chats after a lecture in the auditorium

AUDITORIUM

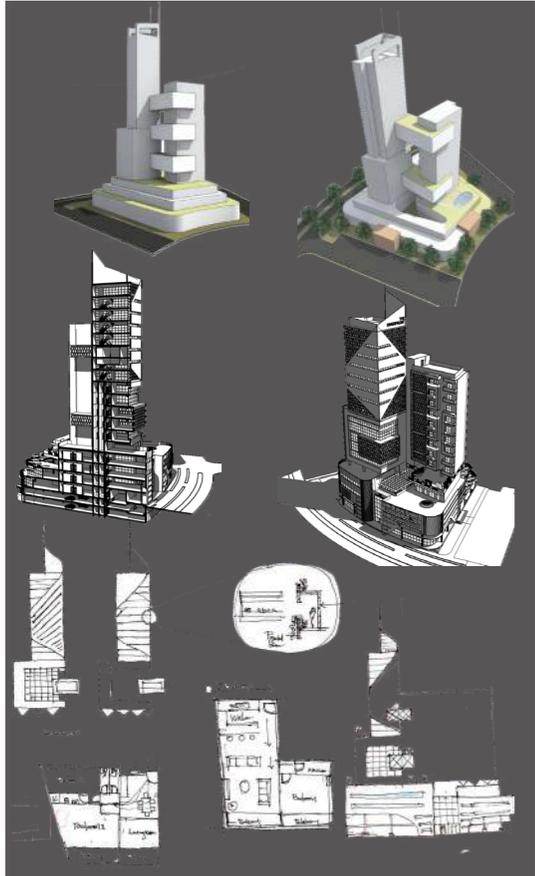
The Auditorium has a capacity of 800. It is massive structure made of masonry wall, columns and Steel girder as the roof structure. The internal walls have been designed to improve the acoustic of the space.

LIBRARY

The library is a skeleton frame structure with beams and columns forming the main frame. masonry walls together with aluminium partitions are used to divide the spaces. The main openings are on the north and south facade and are sunshaded with 'V' shaped lattice. The central part is an atrium which ventilates and light the interior spaces its also used as a reading space.

CLASSROOMS

MUD -YR 5



An iconic Mixed urban development of its kind in downtown Nairobi, The project involved densification of Kariakoo area in Downtown Nairobi this involved Master planning to re-organize circulation arteries, introduce order and to open up the area. With Nairobi river cutting through site the Architect was able to revitalize the river and redesigned the area to have river front developments. a strip of green belt along the river gave the area a breathe of life and a comfortable relaxation park and circulation route for pedestrian

PLOT AREA: 1000m²-2000m²
 GROUND COVER: 80%
 PLOT RATIO: 200
 TYPE OF DEVELOPMENT ALLOWED:
 COMMERCIAL/RESIDENTIAL/LIGHT INDUSTRIES

1. RETAIL AND WHOLESALE
2. ACCOMMODATION (Furnished apartments)
3. consultancy & professional services

The new development will be on a 2500sqm area and will comprise retail, wholesale, recrea, entertainment, and accommodation i.e both hotel rooms and furnished apartments, creating 'New CBD' in downtown Nairobi. Located in the heart of the Development the projects Aims to create vibrance and bring life to this part of town, this will be through revitalization of the neglected Nairobi river through creation of ponds, gardens and activities aimed at attracting people to the area are the key concerns of the project.

The river will be cleaned up and used as a major movement corridor for pedestrian moving from the neighbouring estates and the busy Gikomba Market to Ngara CBD and downtown Nairobi, The projects Capitalizes on this huge human transport create a busy hub with amenities, furnished apartments, retail shops, Luxury hotel suites, parking e.t.c this will be captured through the design of an open podium with arcades and thorough fares to invite the pedestrians into the building.
 Functionality, sustainability and openness (to the public) forms the project backbone.

RETAIL AND WHOLESALE

- Restaurant
- M-pesa
- Safaricom shop
- Chemist
- Gift shop
- Boutique
- Cafe
- super market
- Departmental Stores
- Atm's lobby
- Gaming arcade
- Curio shop
- Convenience store
- Cosmetic shops
- Florist
- Electronics shop

RECREATION AND ENTERTAINMENT

- Cinema Halls
- Gaming Arcades
- Bowling
- Food courts
- Swimming pool



FURNISHED APARTMENT

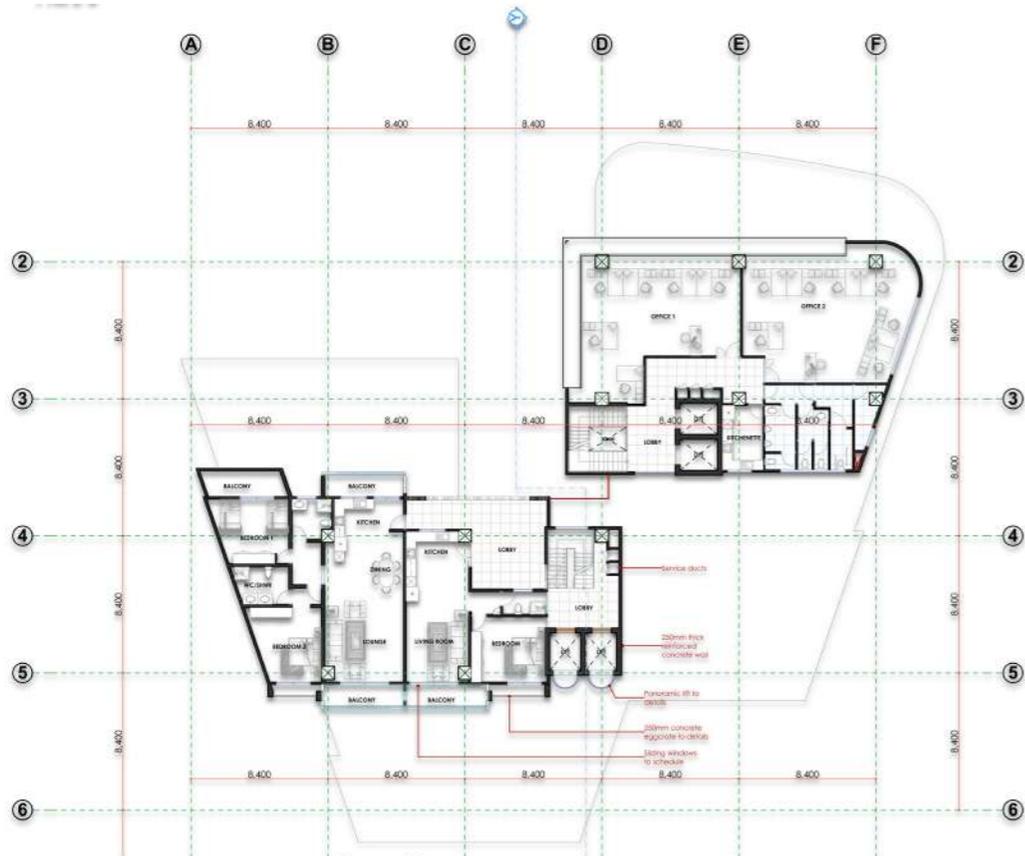
1 Bedroom

2 Bedroom



MUD with assorted commercial activities on the lower ground

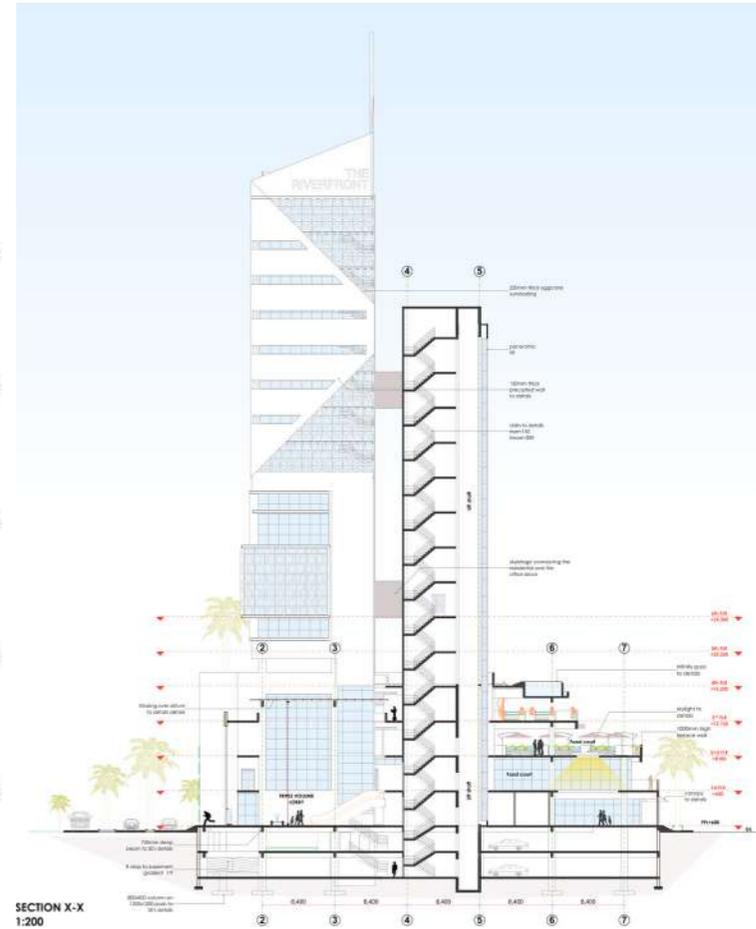




TYPICAL FLOOR PLAN 5th -10th
1:200



TYPICAL FLOOR PLAN 6th -10th
1:200



ELEVATION DESIGN



LOW INCOME HOUSING-YR 5



MALINDI TOURIST TERMINAL YR-4

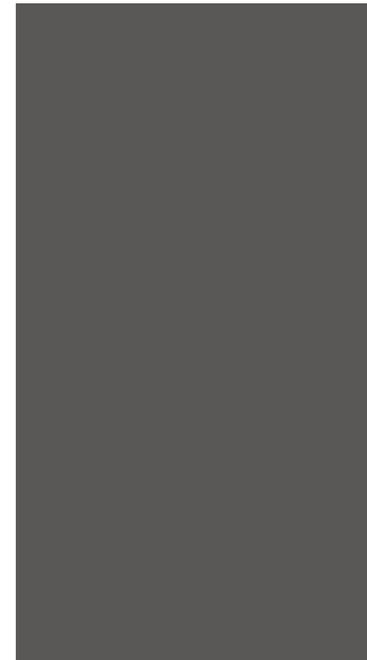


The facade design of this Tourist terminal is a fusion of both Swahili and Modern architecture intelligently combine to give a subtle but powerful composition that respects the history and rich culture of the place whilst keeping tabs with the current style of architecture.

ARCHITECTURE SCHOOL YR-4



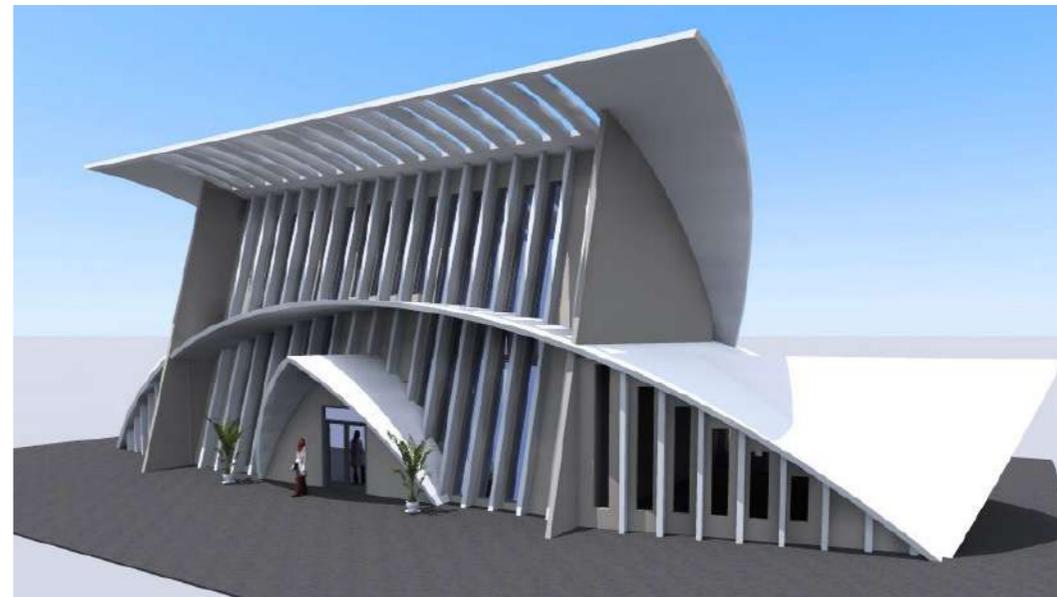
MUD -3rd YEAR



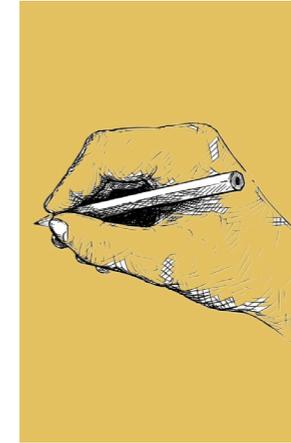
WANGARI MAATHAI MUSEUM-2nd YEAR

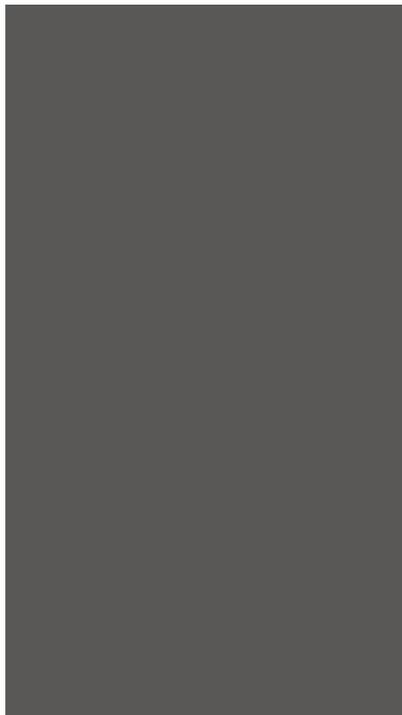


Wangari Maathai was an Icon of change. She fought for peace and freedom. The Nobel laureate was a visionary leader who was able to envision the importance of preserving forest and planting trees to counteract global warming and climate change at a time when it wasn't even imagined. At the University of Nairobi 2nd Year studio we design a Museum in her honor. For my design I chose an Eagle as my concept. I felt it embodies Wangari's qualities. An eagle is a strong bird with impeccable visual acuity and precision. The bird can see far the same way Wangari was able to see far into the future.



PRIVATE COMMISSIONS





Client: Mashua Tomboo
site : Oloitokitok
Status :Not built
Year: 2014

Project Description
A mixed use development with retail spaces on the lower levels and accomodation on the others



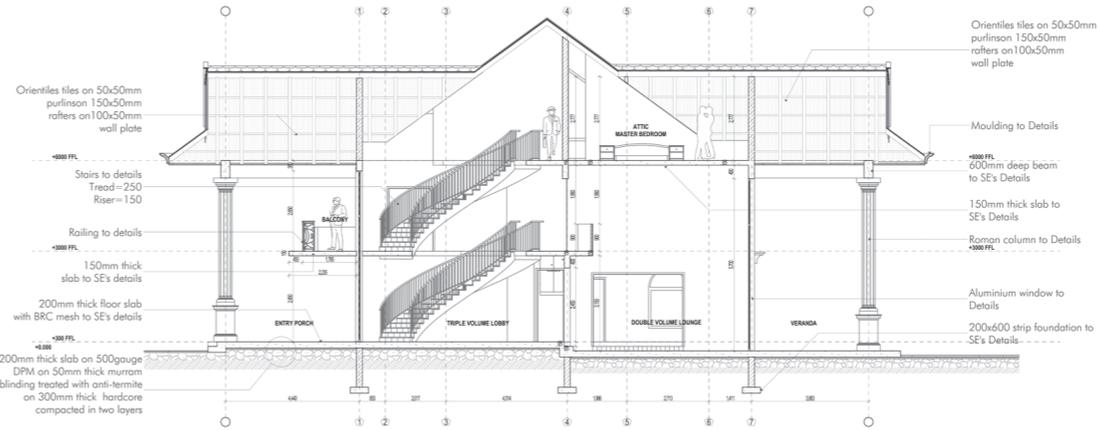
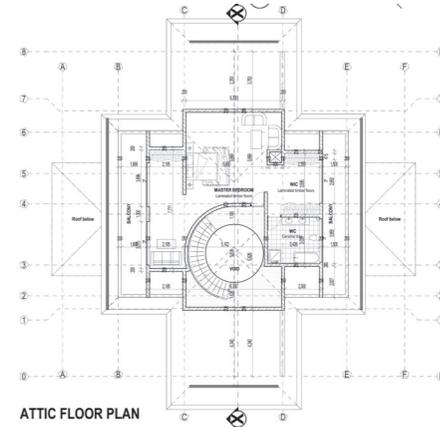
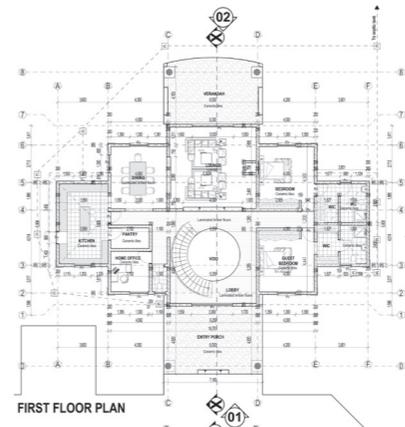
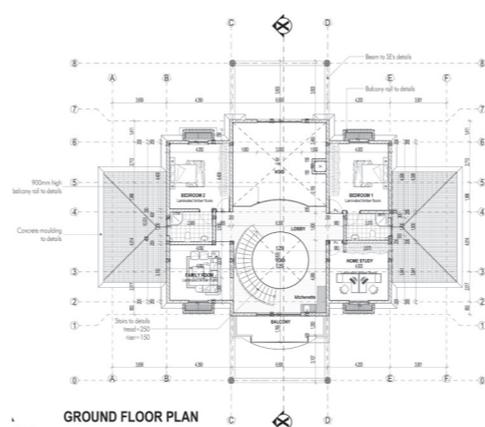
Client: Oldonyo Oibor
site : Illasit
Status :Not built
Year: 2014

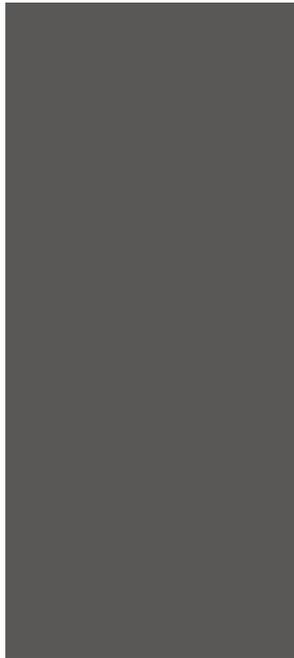
Project Description
Hotel

Residential house 2019

Project Description

Design, Exterior visualization and working drawings for a private residential in Garden Estate, Nairobi [Ongoing]





Client: Petro Massawe
Site : Moshi,Tz
Status :Built
Year: 2017

Project Description

Residential development in moshi town Tanzania



Client: Ndengwa K.
Site : Limuru
Status :Not Built
Year: 2015

Project Description

Apartments

Coffee Shop

Project Description

Exterior visualization for
Coffee Shop
| Render Practise |



Forest House

Project Description

Exterior visualization for
Forest House
| Render Practise |



Lugano Lake House

Project Description

Exterior visualization for
Lugano House
| Render Practise |



Client: Alphonse Kimambi
Site : Morangu, Tz
Status : Proposed
Year: 2018

Project Description
Proposed Residential House



Client: Community centre
Site : Ngong road,Nairobi
Status :Proposed
Year: 2017

Project Description
a community centre for
a proposed housing
project along Ngong road
the centre has clinic,
swimming pool and
meeting halls



Client: Petro Massawe
Site : Utawala,Nairobi
Status :Ongoing
Year: 2017

Project Description

Residential development

Client: Julius Mburu
Site : Ngong,Kajiado
Status :Built
Year: 2014

Project Description

Lodging



Client: Ayedos
Site : The Hub,Nairobi
Status :Built
Year: 2018

Project Description

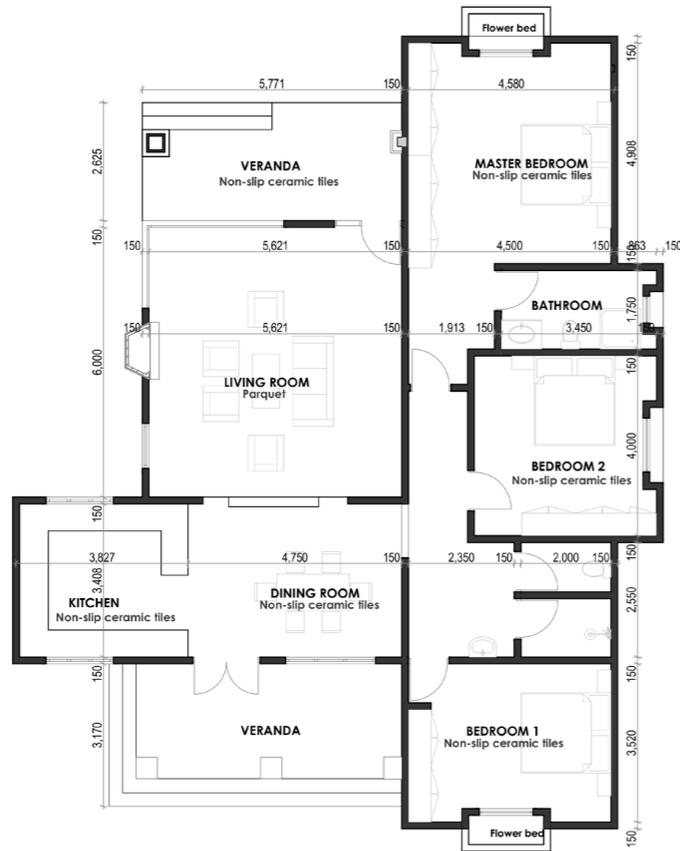
Interior design of a linen and curtain shop



Client: Maxwell Kimeu
Site : Mwala, Machakos
Status :Built
Year: 2018

Project Description

Residential development



GROUND FLOOR PLAN





Client: Samuel Wangombe
Site : Ruiru, Kiambu
Status : Proposed
Year: 2019

Project Description
Residential development



Client: Rohan Parachuri
Site : India
Status :Proposed
Year: 2018

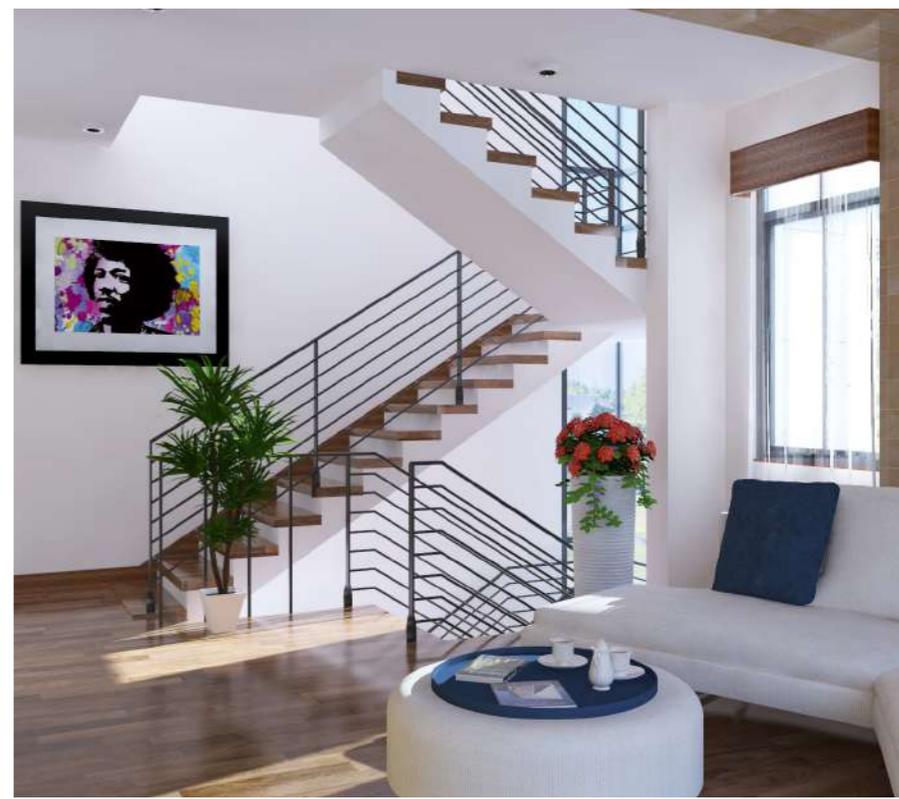
Project Description
Visualization for proposed
town house



Client: Arch.Collins Atego
Site : Ruiru,Kiambu
Status :Proposed
Year: 2016

Project Description

Interior Visualization for
proposed town houses



Internship projects





Aden Saitabau Kumary
Graduate Architect
B.Arch(Hons)UoN, B.Architectural Studies(Hons)UoN,[Maak]
+254726 057 201 | +254776 777 978
adenkumary@gmail.com
www.carbnstudio.com