



ABUBAKAR ADESHINA

MASTER OF ARCHITECTURE — PORTFOLIO OF SELECTED WORKS

2026

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01
Ilé Akékòó

Sustainable Student Residence

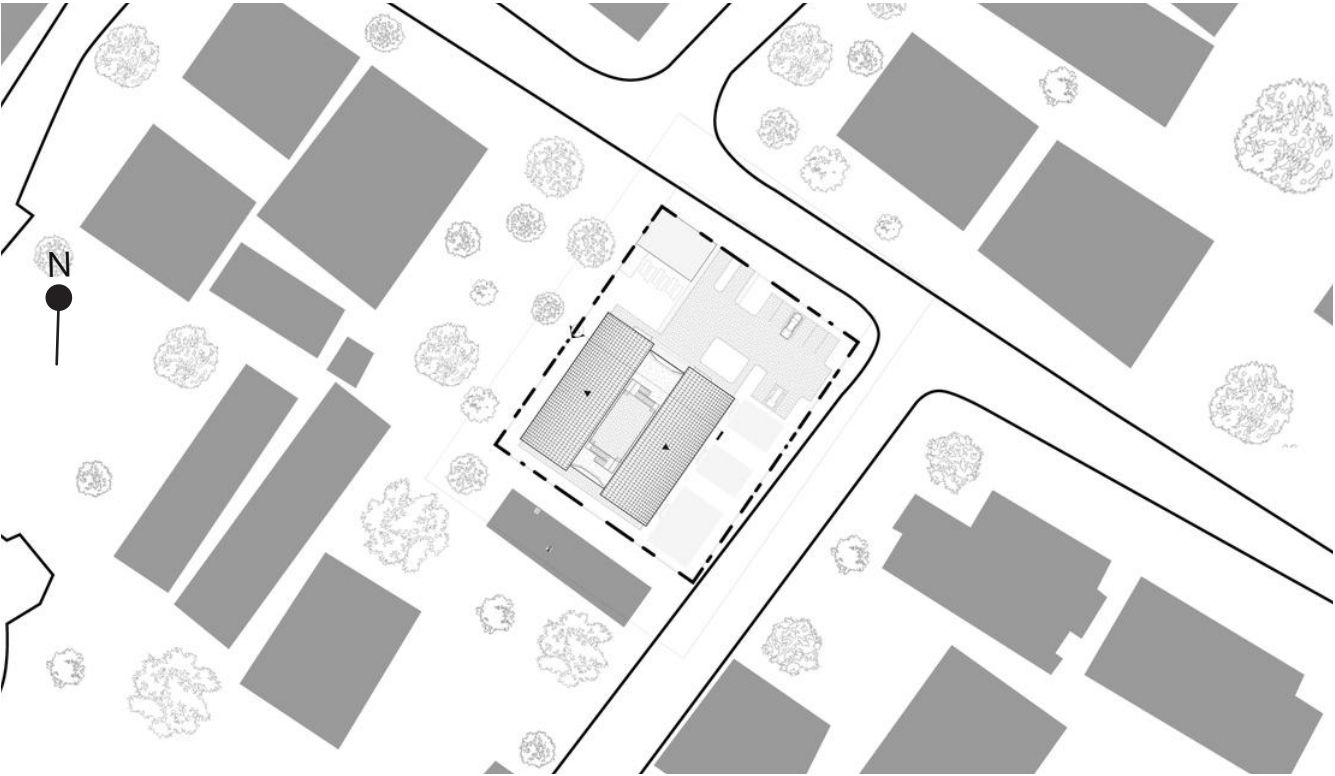
Ile Akekoo reimagines student accommodation as a climate-responsive, community-centred residence for Obafemi Awolowo University, Osun State, Nigeria.
The proposal accommodates 50+ students and embraces passive design strategies suited to the warm tropical climate of Ile-Ife, Osun state.
More than a building, Ile Akekoo is envisioned as a place where learning extends beyond the classroom - a space that encourages interaction, collaboration, and a strong sense of community while responding to the climates setting.

Open Student Competition • Osun, Nigeria • 2026
ROLE • Sole Author • Designer • Visualizer
SITE • 2,475 sqm

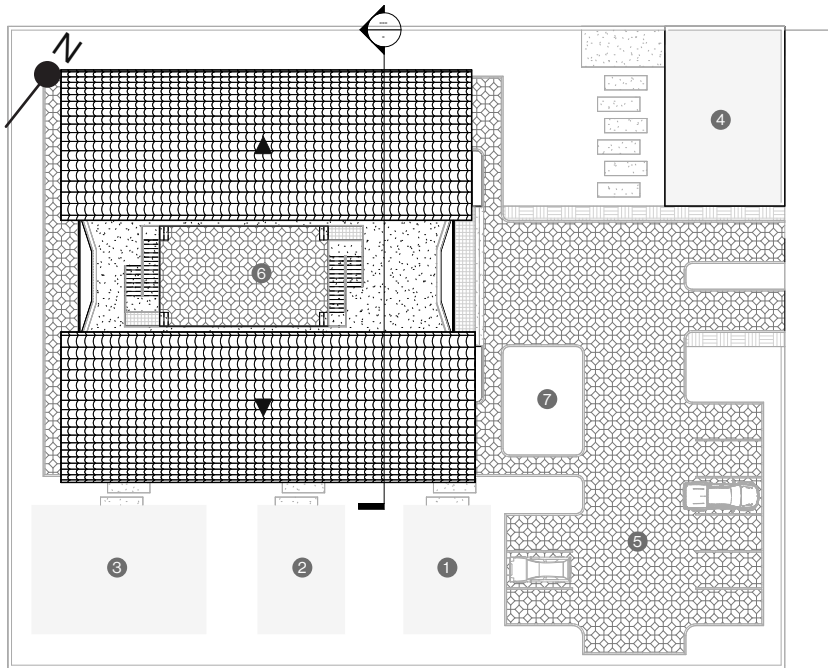


Oil painted facade concept

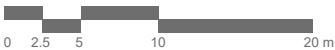
Context



Location plan • 1:1000

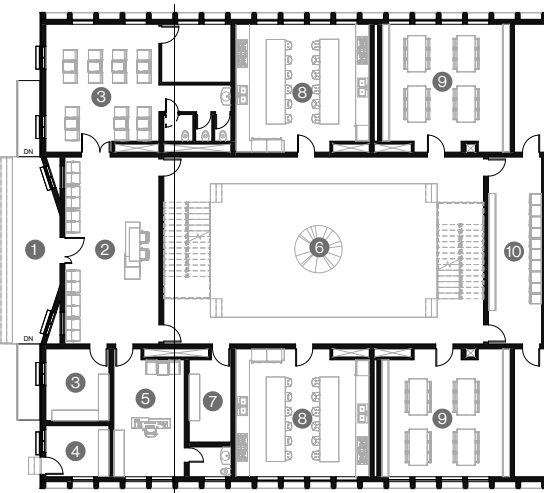


Site Plan • 1:500

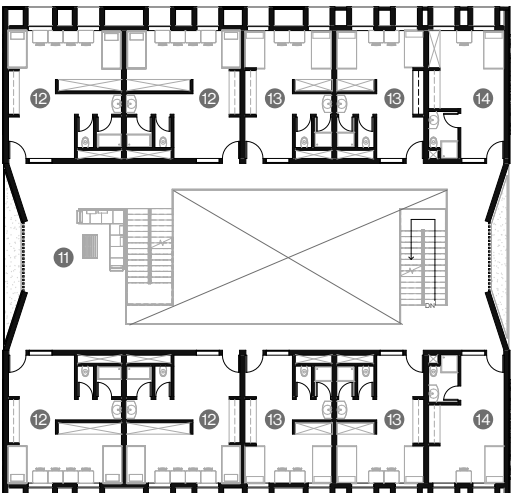
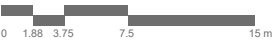


- 1 Outdoor Gazebo
- 2 Outdoor Gazebo
- 3 Outdoor Storage Tanks
- 4 Security
- 5 Parking
- 6 Courtyard
- 7 Student Garden

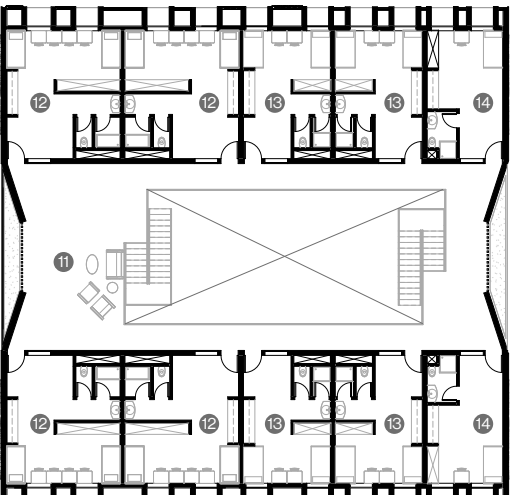
Plans



Ground Floor • 1:350



First Floor • 1:350



Second Floor • 1:350



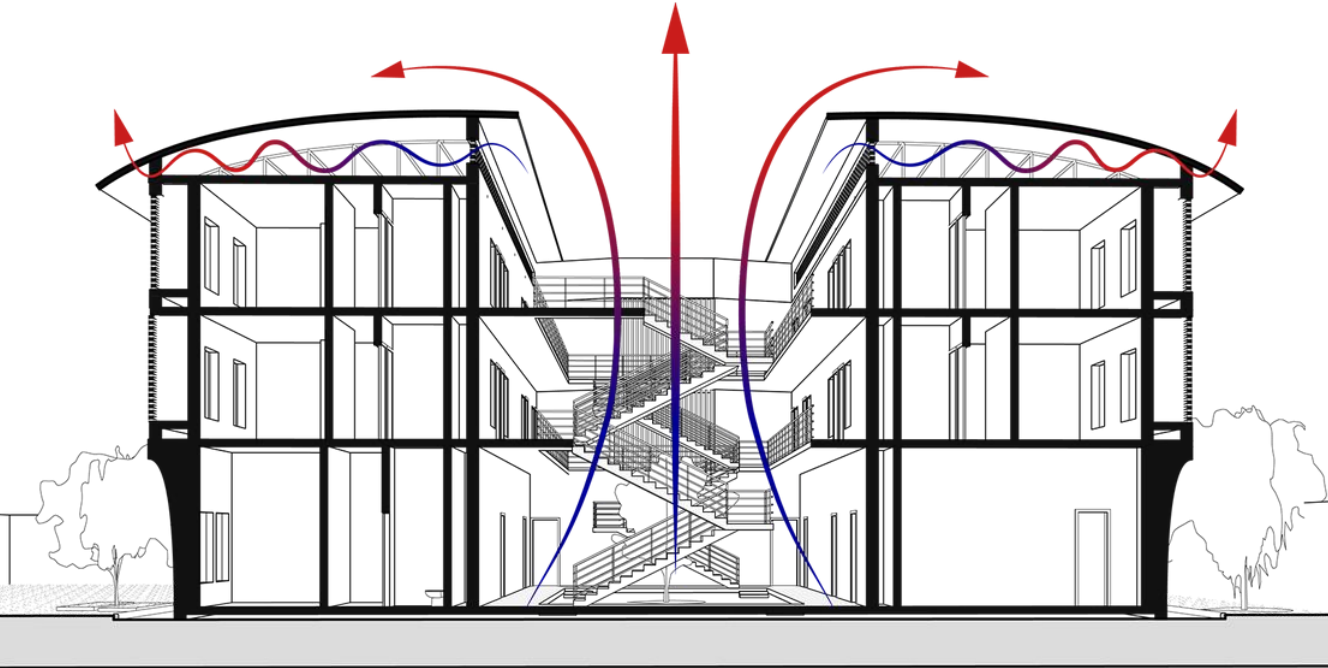
The Ground floor is the public zone, which includes spaces such as the Reception, Common Room, Shared Kitchen, and Studies.

The First and Second floor includes rooms designated for the 50+ students. The rooms are divided into 4 types: 4 bed, 2 bed, and 1 bed.

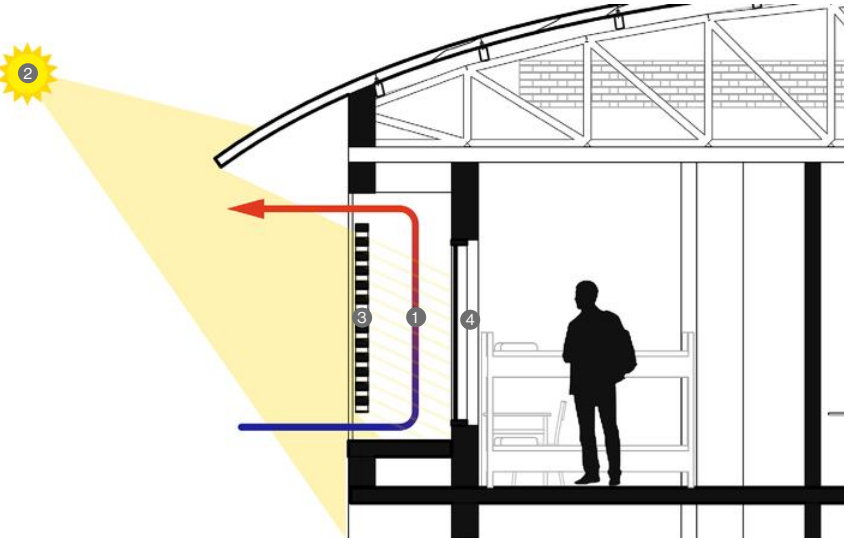
- 1 Entrance
- 2 Reception
- 3 Minimart
- 4 Security
- 5 Manager's Office
- 6 Courtyard
- 7 Store / Control room
- 8 Kitchen
- 9 Library & Study
- 10 Laundry
- 11 Balcony & Gallery
- 12 Four - Bedroom
- 13 Two - Bedroom
- 14 One - Bedroom



Four bedroom interior view



Section View Perspective



Room section

Centered courtyard allows for easy airflow throughout the building and prevents trapped heat.

Large windows are on the north-south axis and are deeply recessed, to avoid direct sunlight from entering the rooms.

Double skin brick facade to take advantage of the stack effect, further reducing room temperature

Wide gable vents installed on parapet walls to prevent build-up of heat and moisture.

- 1 Airflow
- 2 Sunlight
- 3 Brick facade
- 4 Bedroom wall



The building makes use of vernacular building materials and vegetation native to Nigerian architecture:

- Rammed Earth Walls
- Brick Facade
- Bamboo wall skin
- Ceramic roof Tiles
- African Baobab Trees



Red bricks



Bamboo



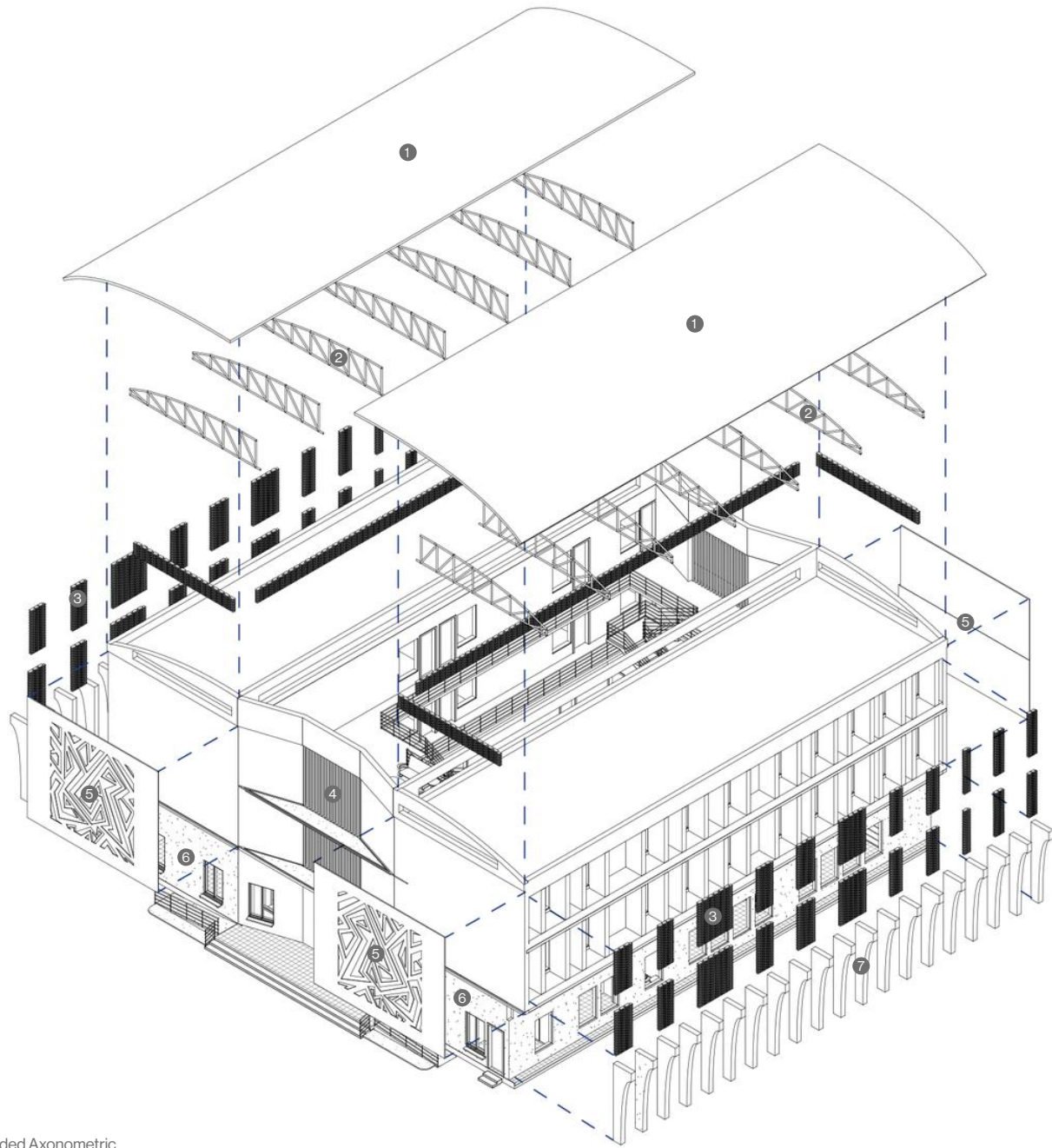
White stucco



Light grey concrete



Courtyard View



Exploded Axonometric

1 Roofing sheet

Galvanized corrugated steel sheets providing a lightweight, easily replaceable roof covering.

2 Steel trusses

R.H.S galvanized steel truss members bolted with steel seat plate on wall ties.

3 Brick facade skin

Exterior brick facade (225mm x 65mm) protecting interior walls from direct sunlight exposure.

4 Vertical aluminium bars

Anodized vertical aluminium bars at 200mm c.c. coated with 100% acrylic latex paint.

5 Contemporary African art wall

Cement board depicting contemporary african art, with a termite treated wooden finish.

6 Rammed earth walls

Rammed earth base walls, neatly compacted, and fused with high quality portland cement.

7 R.C. wall supports

Base wall supports made of reinforced concrete, spaced at 300mm c.c





Physical model

02

Thirteen / 670

Semi-detached terrace apartments

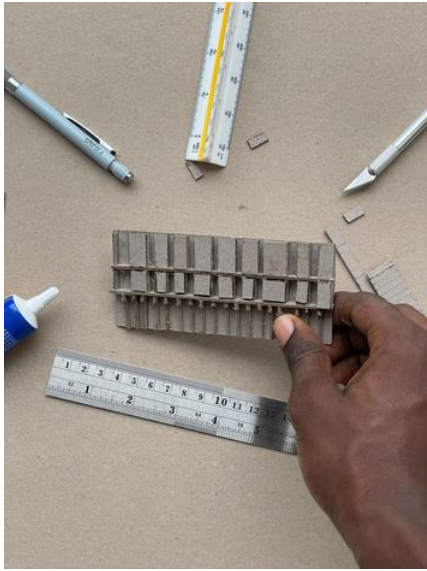
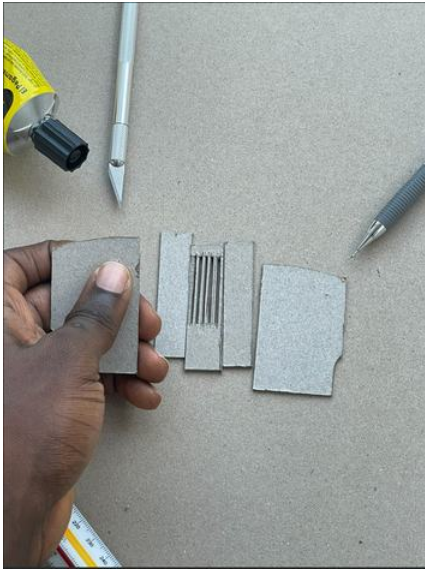
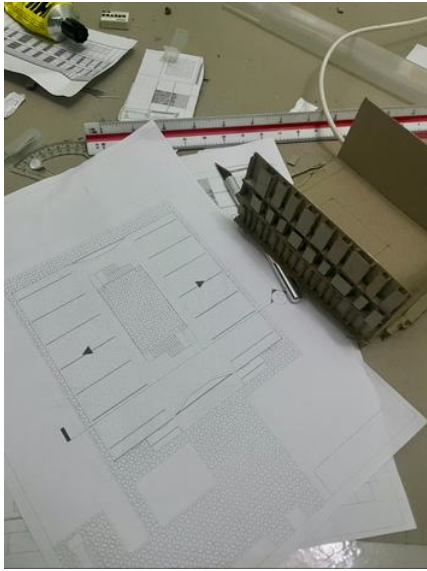
The client brief for this project requested a terrace development that emphasized on privacy, comfort, sustainability, and aesthetic quality, all while fully maximising the 670 sqm expanse of land available.

The design solution proposed was thirteen units of four-bedroom semi-detached terrace apartments, located in suburban Okun Ajah waterfront, Coastal road, Lagos.

STATUS • Ongoing Construction • Lagos • 2026

ROLE • Lead Designer • Drafter • Site supervisor under A.T.O Architects Ltd

DURATION • 12 - 18 months



Process images

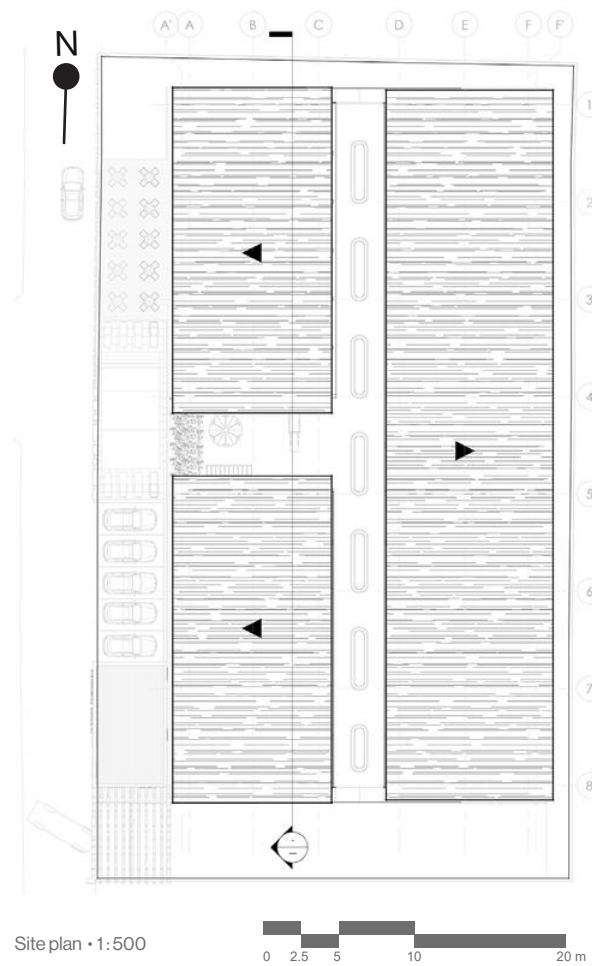


Site photograph



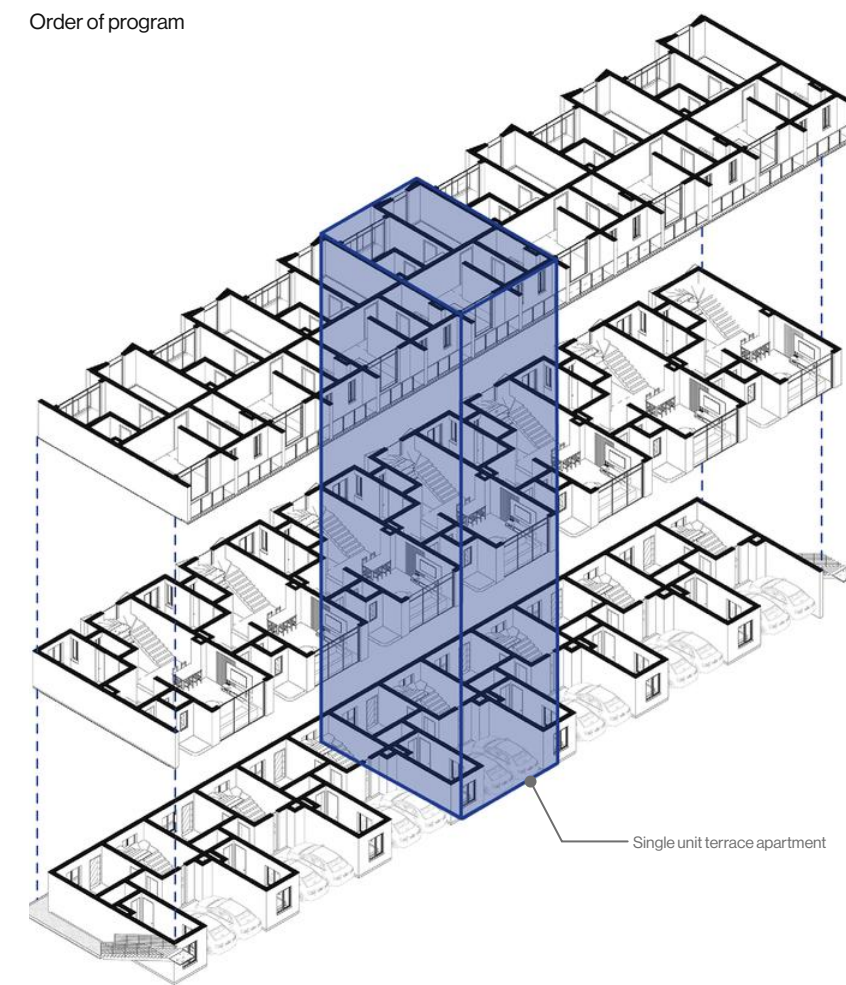
- 1 SA 17230
- 2 SA 17228
- 3 SA 17229
- 4 SA 17227
- 5 Plot 5
- 6 Existing road

STN FROM	BEARING	DISTANCE	STN TO
SA 17230	001° 10'	18.21m	SA 17228
SA 17228	271° 00'	37.06m	SA 17227
SA 17227	181° 23'	18.36m	SA 17229
SA 17229	271° 16'	37.00m	SA 17230



Site photograph

Order of program



Axonometric unit distribution diagram

Three floors in total, separated by zones and accessibility.

Ground floor

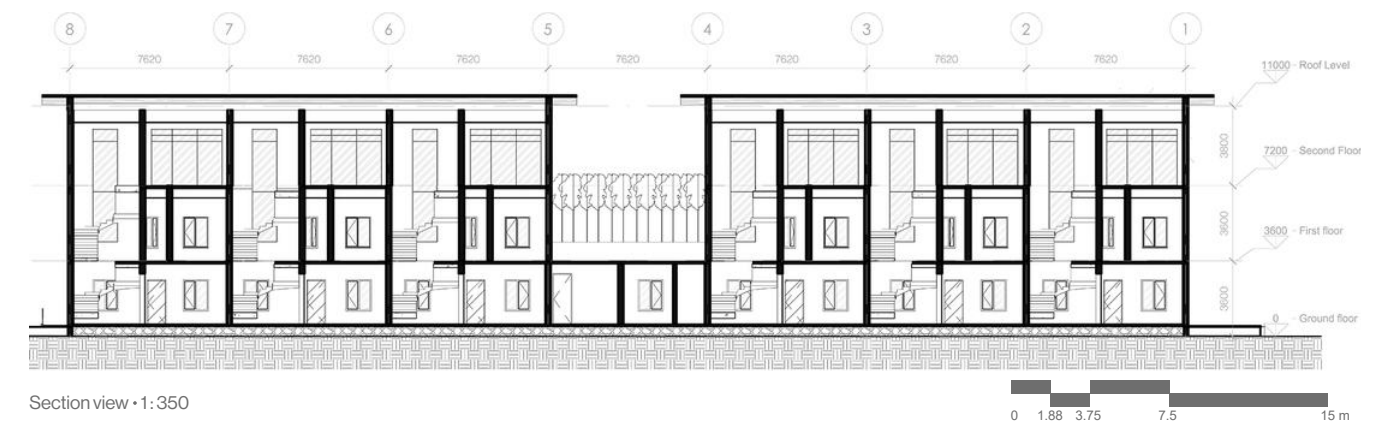
- Car parking
- Boys quarters
- Kitchen

First floor

- Foyer
- Living room
- Dining
- Guest Bedroom (Ensuite)

Second floor

- Master Bedroom (Ensuite)
- Closet
- Bedroom (Ensuite)
- Balconies (2)



[illegible]

-

-
- Typical Second Floor • 1:150

Details

Legend:

- 1 230mm Blockwork
- 2 Headcourse
- 3 Steelplate & Anchor bolts
- 4 Aluminium Facade panel
- 5 Aluminium panel sheets
- 6 Timber struts 600mm c.c
- 7 Roof noggins 600mm c.c
- 8 Ceiling suspension wires
- 9 P.O.P ceiling
- 10 80mm Rockwool insulation

Ceiling detail • 1:20

Facade Joinery Detail • 1:20

- 1 230mm Blockwork back
- 2 230mm R.C Beam
- 3 300mm Lintel
- 4 Aluminium facade panel
- 5 Frameless glass balustrade
- 6 Aluminium hand rail
- 7 4mm glass panel

Foundation detail • 1:20

- 1 230mm Blockwork
- 2 230mm R.C. slab
- 3 Hardcore
- 4 Foundation wall
- 5 Foundation footing
- 6 Natural earth
- 7 Natural ground level
- 8 Blinding

Transverse section • 1:50



Site photograph

03

Earth in motion

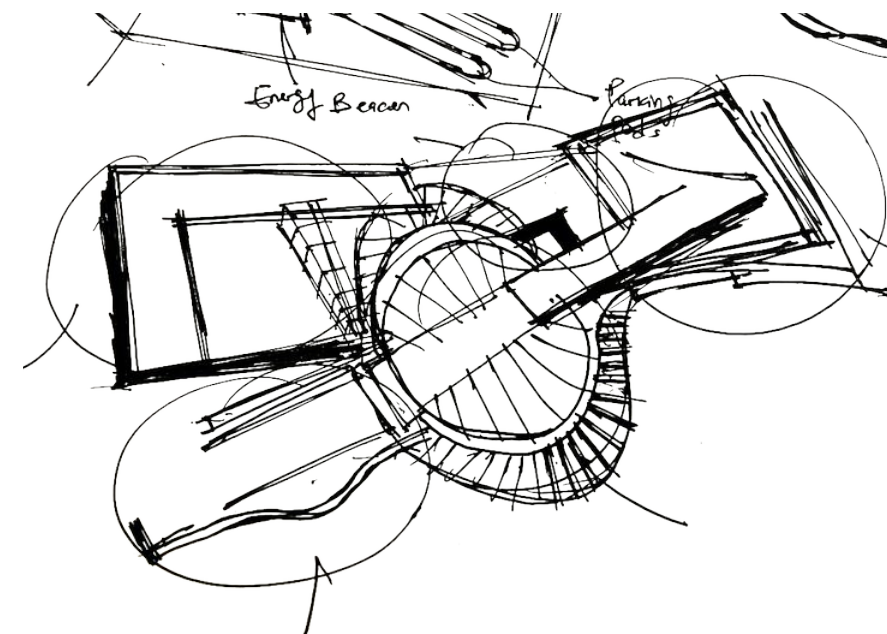
An circular innovation and experience center

The design responds to the need for more sustainable and energy-efficient buildings in Nigeria, by bringing together innovation, community, and cultural identity in one shared place. The project is shaped round the idea of continuous energy flow, guiding users through a smooth journey of difference experiences.

International Competition • Lagos, Nigeria • 2026

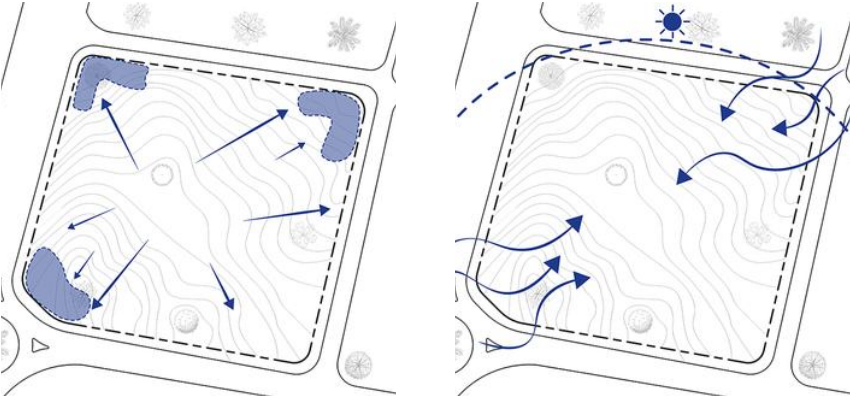
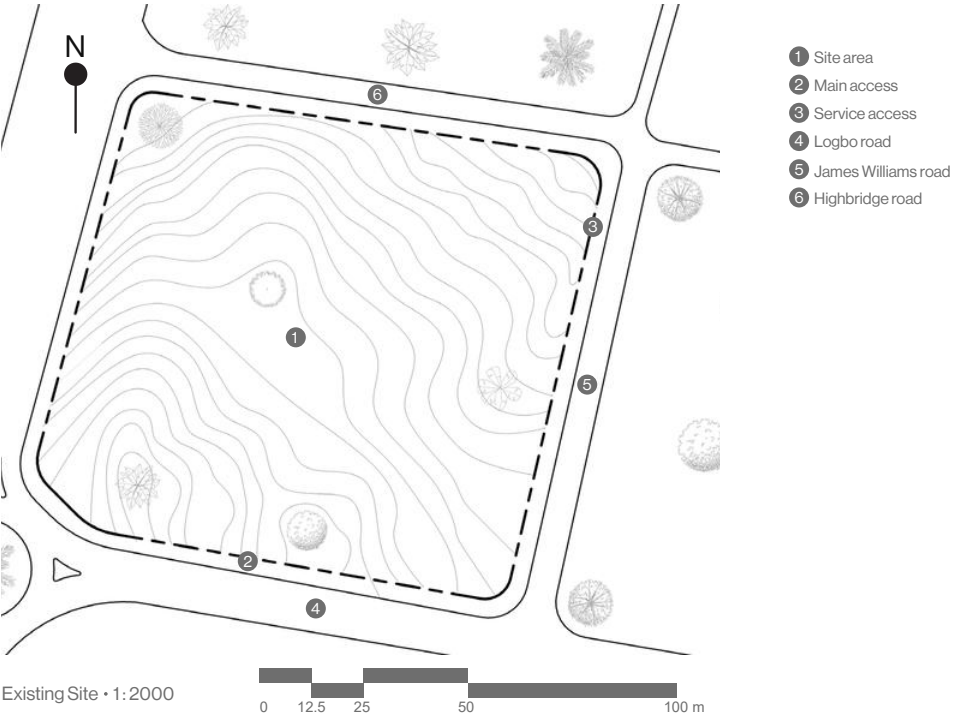
ROLE • Team Leader • Designer • Visualizer
with Afolabi Abdulmuiz, Olaniyi Nasirudeen

SITE • 15,000 sqm

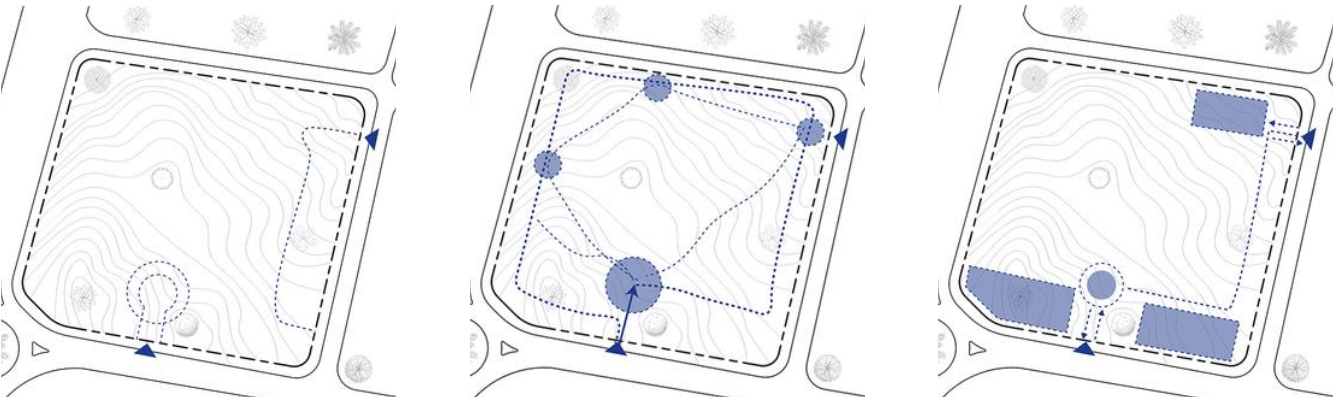


Preliminary Sketch Concept

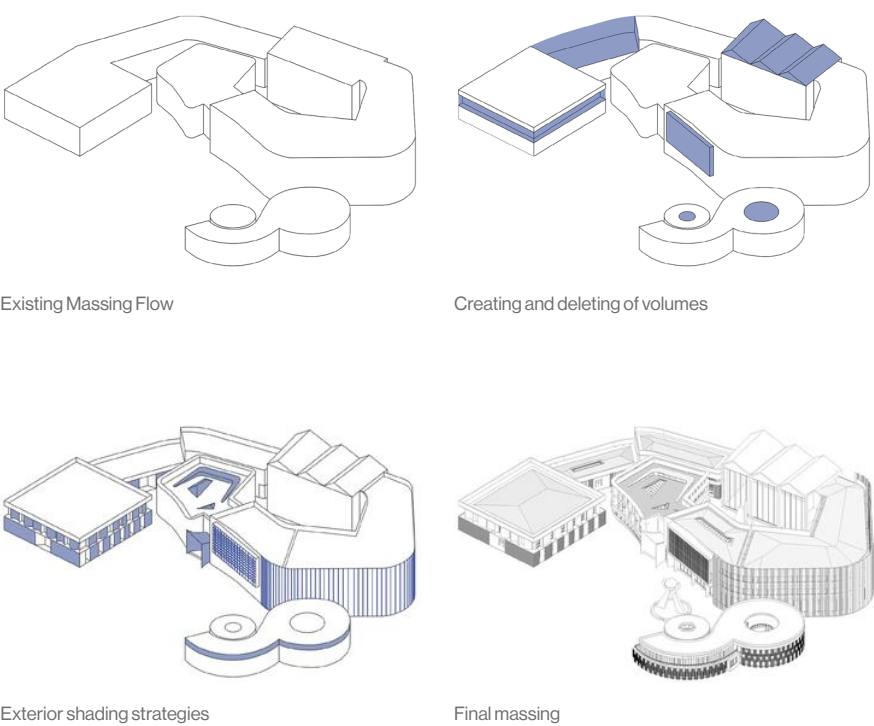
Site opportunities



The nature of the site demanded adequate shading techniques, easy accessibility, proper drainage methods, and efficient use of land area.



Concept & Massing



The concept, "Earth in motion" reimagines energy architecture as a continuous flow between people, climate, material, and experience.

The layout comprises of three buildings, namely:

- 1. Discovery building
- 2. Education building
- 3. Administration building



Material selection



Screen walls

A list of earthy, sustainable, and accessible materials were selected for this project:

- Terracotta clay for fins, frames, and other shading devices.
- White stucco for the primary wall
- Natural timber for screens, louvres, and soffits.
- Exposed concrete for the entrance facade walls.



Entrance fins



Terracotta



White Stucco

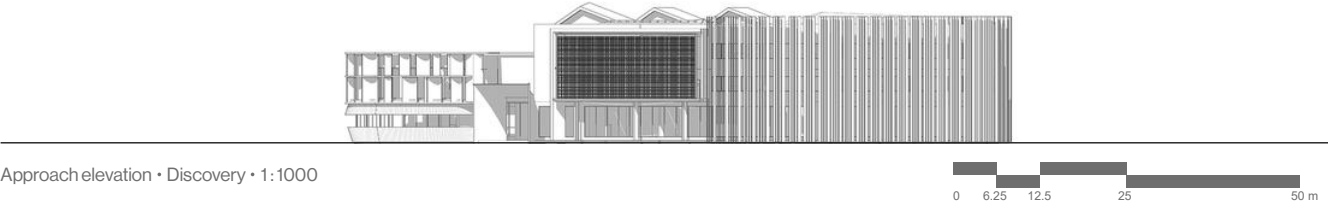
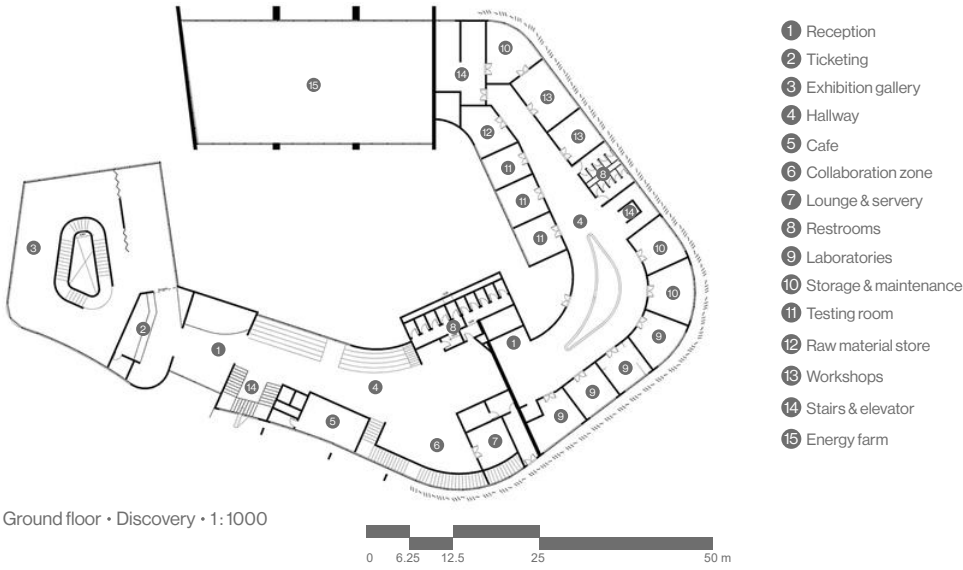


Lumber



Exposed concrete

Plans and elevations





04

Digital commons

Tech hub interior redesign

The project covers a complete upgrade of two active offices in Jibowu and Ikeja, Lagos, without disrupting daily work. We started with site visits to map out improvements for desks, lighting, acoustics, bathrooms, and reception areas.

Interior design competition • Lagos, Nigeria • 2026

ROLE • Site visitation • Designer • Visualizer
under A.T.O Architects Ltd



3d visualization

Existing conditions



Workstation room left wing

The process began with thorough site assessments and stakeholder consultations to define interventions across workstation ergonomics, high-traffic flooring, acoustic window treatments, modern bathrooms, layered lighting, and redesigned reception areas. We then created realistic 3D renderings so stakeholders could review and approve the new look before construction started. During the build phase, we managed budgets and visited the sites twice weekly to keep contractors on track.



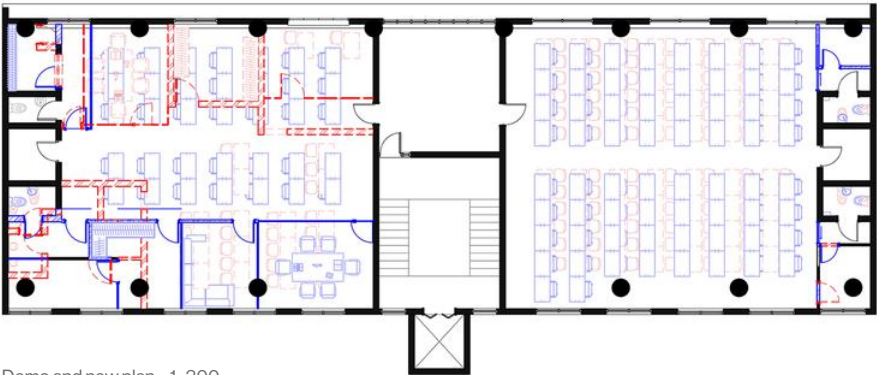
Retrofitting works



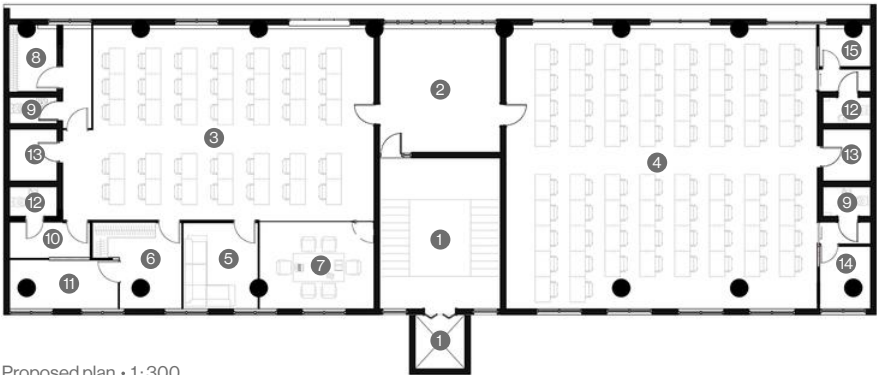
Sketching asbuilt floor plans



Existing plan • 1:300



Demo and new plan • 1:300



Proposed plan • 1:300

- 1 Elevator & Stairhall
- 2 Reception
- 3 Workstations (Left wing)
- 4 Workstations (Right wing)
- 5 Lobby
- 6 Huddle room
- 7 IT office
- 8 Meeting room
- 9 Store
- 10 Female bathroom
- 11 Store & Lobby
- 12 Inverter room
- 13 Male bathroom
- 14 Escape staircase
- 15 Battery room

Demolished ---

New ---

- 1 Elevator & Stairhall
- 2 Reception
- 3 Workstations (Left wing)
- 4 Workstations (Right wing)
- 5 Huddle room
- 6 IT office
- 7 Meeting room
- 8 Store
- 9 Female bathroom
- 10 Lobby
- 11 Inverter room
- 12 Male bathroom
- 13 Escape staircase
- 14 Battery room
- 15 Store

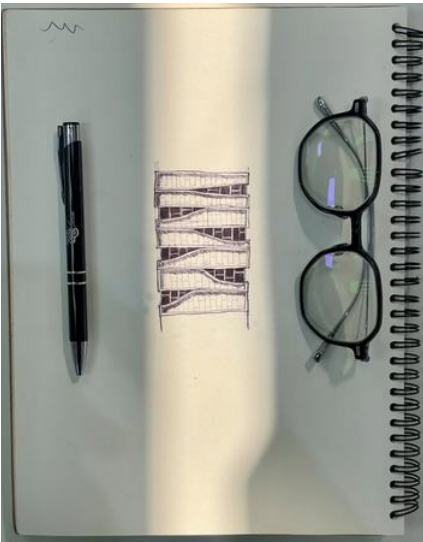
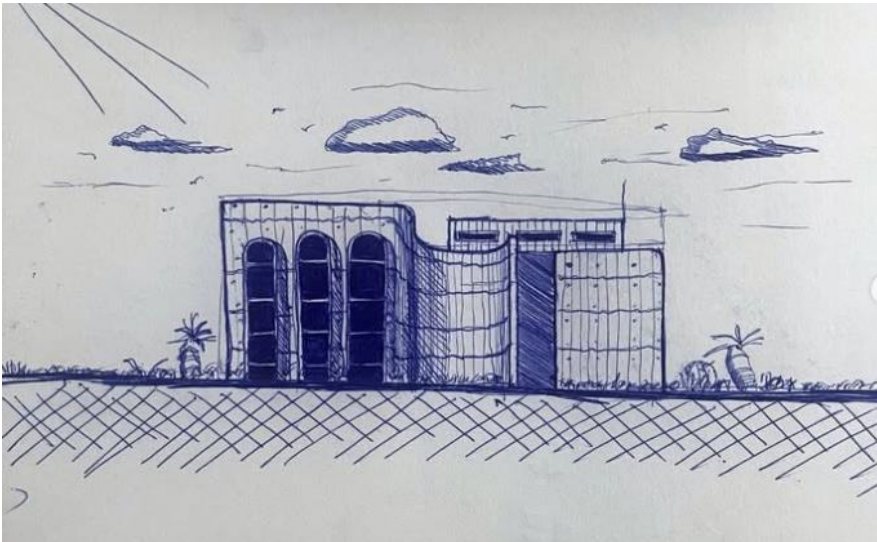


Existing design

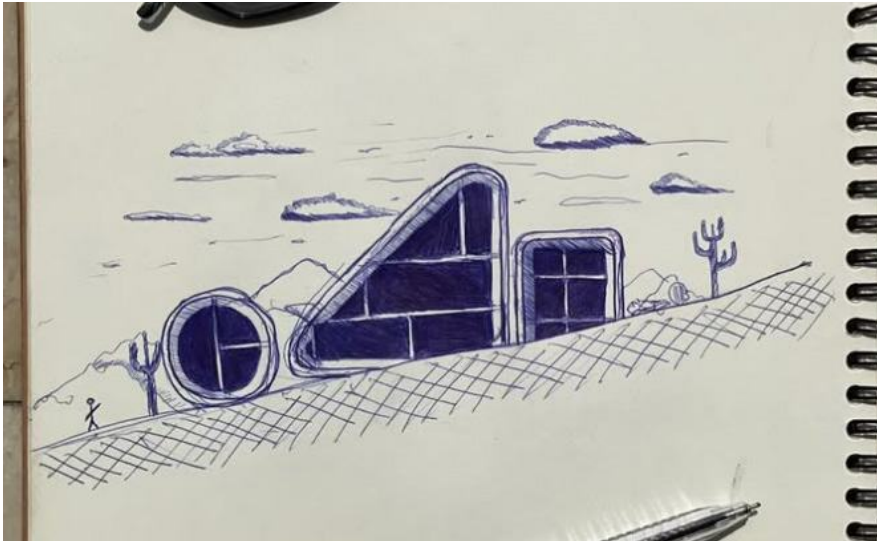
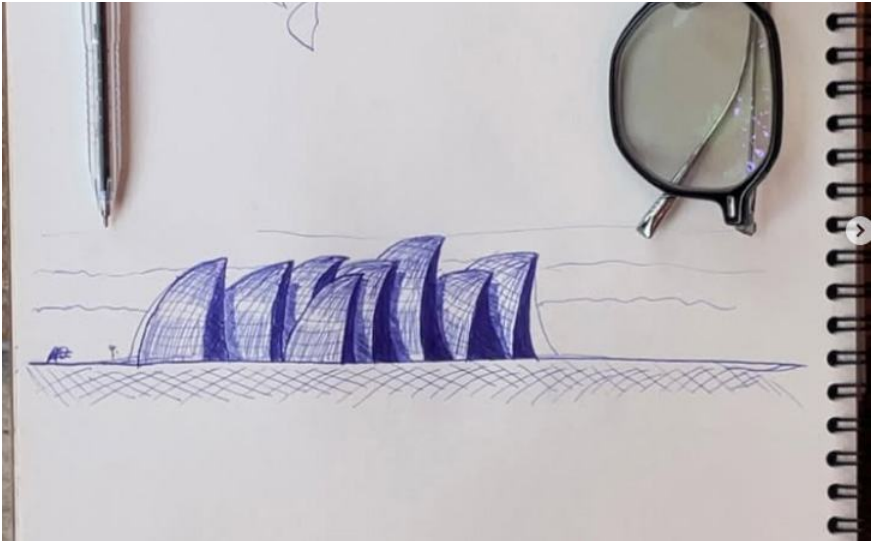
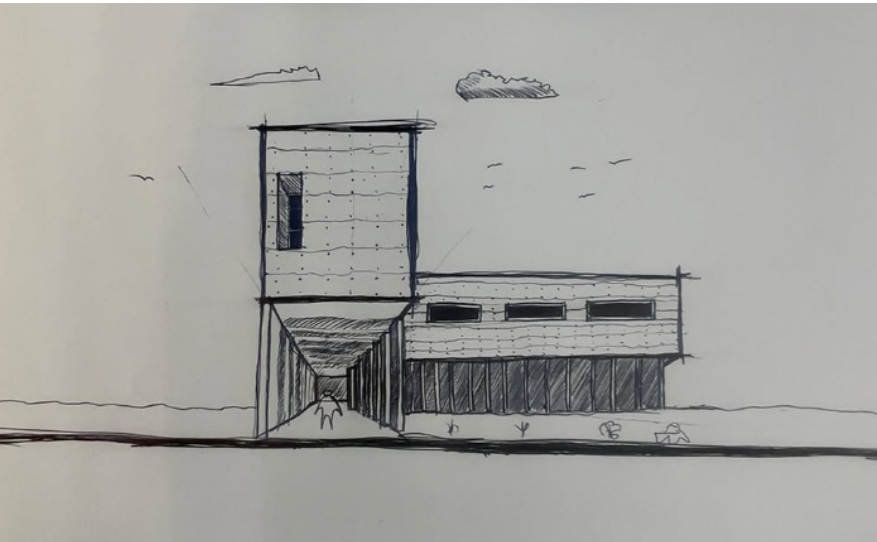
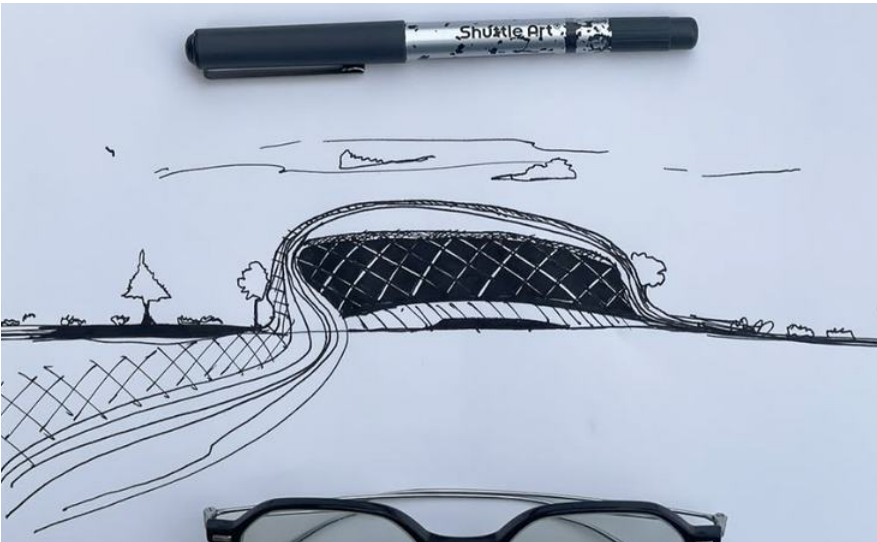
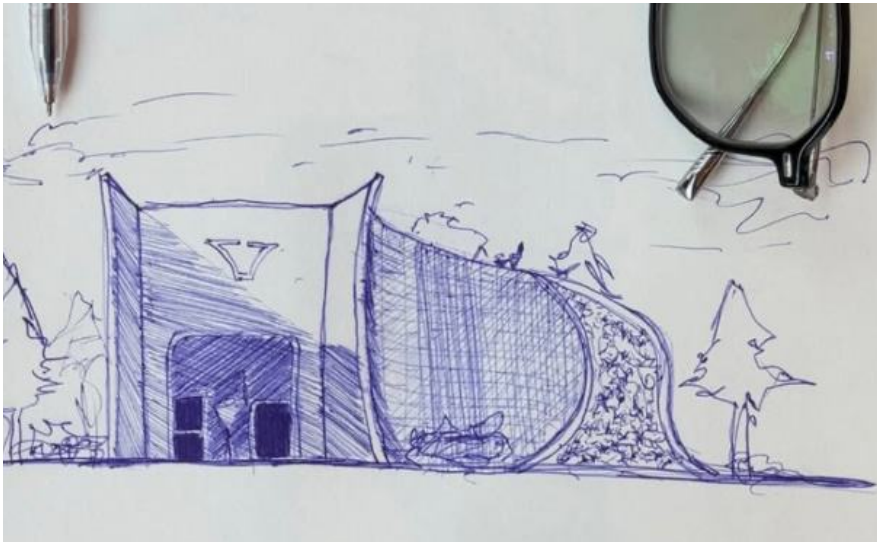


Proposed design

Sketches



Sketches



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