



BAHAA
ABO IBRAHIM
ARCHITECTURE
PORTFOLIO

www.bahaa.ai

“The mind is the gate through which imagination takes form”



WHO?

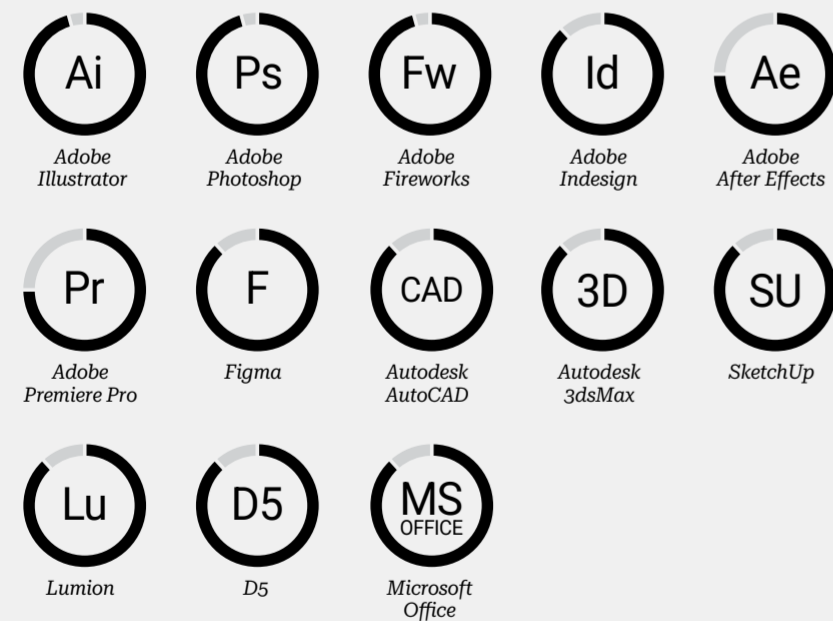
Holding degrees in Graphic Design, Interior Design, and Architecture, I bring a multidisciplinary perspective to my work. Architecture, in particular, has refined my thinking by cultivating a structured, logical, and problem-solving approach, while fostering creativity and attention to human experience—qualities that enhance user experience across all my design projects.

With 19+ years of experience as a graphic designer and creative director, my passion for creating innovative and impactful designs has only grown stronger. My portfolio showcases successful projects and collaborations with local and international clients. I am highly skilled in leading creative teams, developing concepts that align with clients' vision and goals, and ensuring that all work meets the highest standards of quality and creativity.

My approach to design is rooted in the belief that it can transform the way people experience the world and foster meaningful connections between brands, places, and their audiences.

SKILLS

Computer softwares



Awards

+ Pan Arab Web Awards
+ 1st Place winner
*Lebanese University
Fanar campus extension
Architectural Competition*

Talents + Interests

Painter, Calligrapher

EXPERIENCE

Mindflares

Lead UX/UI Designer (Contract Basis) / 2019 - Present

- + Specialized in fintech and banking sectors, delivering user-centered design solutions.
- + Conducted UX research, usability testing, and UI design tailored to industry-specific needs.
- + Collaborated closely with clients to enhance digital experiences, ensuring designs align with both user expectations and regulatory requirements.

Limescent

Head of Art / Creative Director / 2010 - 2019

- + Led a creative team and oversaw all interactive projects
- + Developed and evolved logo designs and brand identities
- + Provided creative direction for HTML5, iOS, and Android projects
- + Designed user experiences across multiple platforms
- + Built client relationships and delivered compelling pitches
- + Vast experience in digital and social media marketing, driving impactful campaigns and brand growth
- + Worked with major clients including AMEX, SONY, STC, OREO, SAMSUNG, ZIPPO, and others

J.Walter Thompson

Digital Art Director / 2008 - 2010

Develop and frame creative concepts according to creative brief requirements.
Digital art direction for global clients including STC, SABB (HSBC), NOKIA, EMAAR.

KOEIN

Art Director / 2006 - 2008

Responsible for creative direction, user experience and UI Design for web sites, & interactive projects.

EDUCATION

MArch in Architecture

Lebanese University - BAA2 / Expected graduation: 2027

BA in Architecture (GPA: 80.08 / 100 - v.good)

Lebanese University / 2025

BA in Interior Design (GPA: 3.85 with Distinction)

Lebanese International University / 2023

BA in Graphic Design (GPA: 3.3 with Honor)

Lebanese International University / 2006

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Lebanese University



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MILL

Academic Project
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LIGHT UNDER THE SHADE
KASHITU SECONDARY
SCHOOL-ZAMBIA

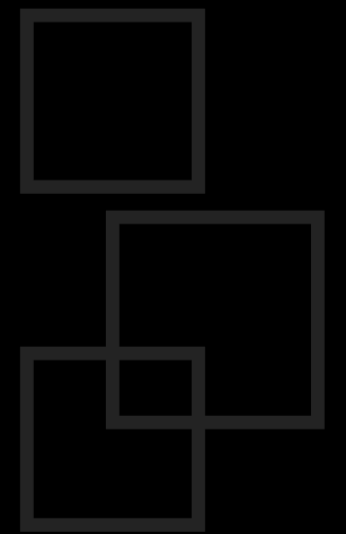
Academic Project - Competition
Lebanese University



P03

LEBANESE UNIVERSITY
FANAR CAMPUS
EXTENSION

Academic Project - Competition
Lebanese University



P01



P01

ILLUME RESIDENTIAL BLDG.

Academic Project / Lebanese University

PROJECT DATA

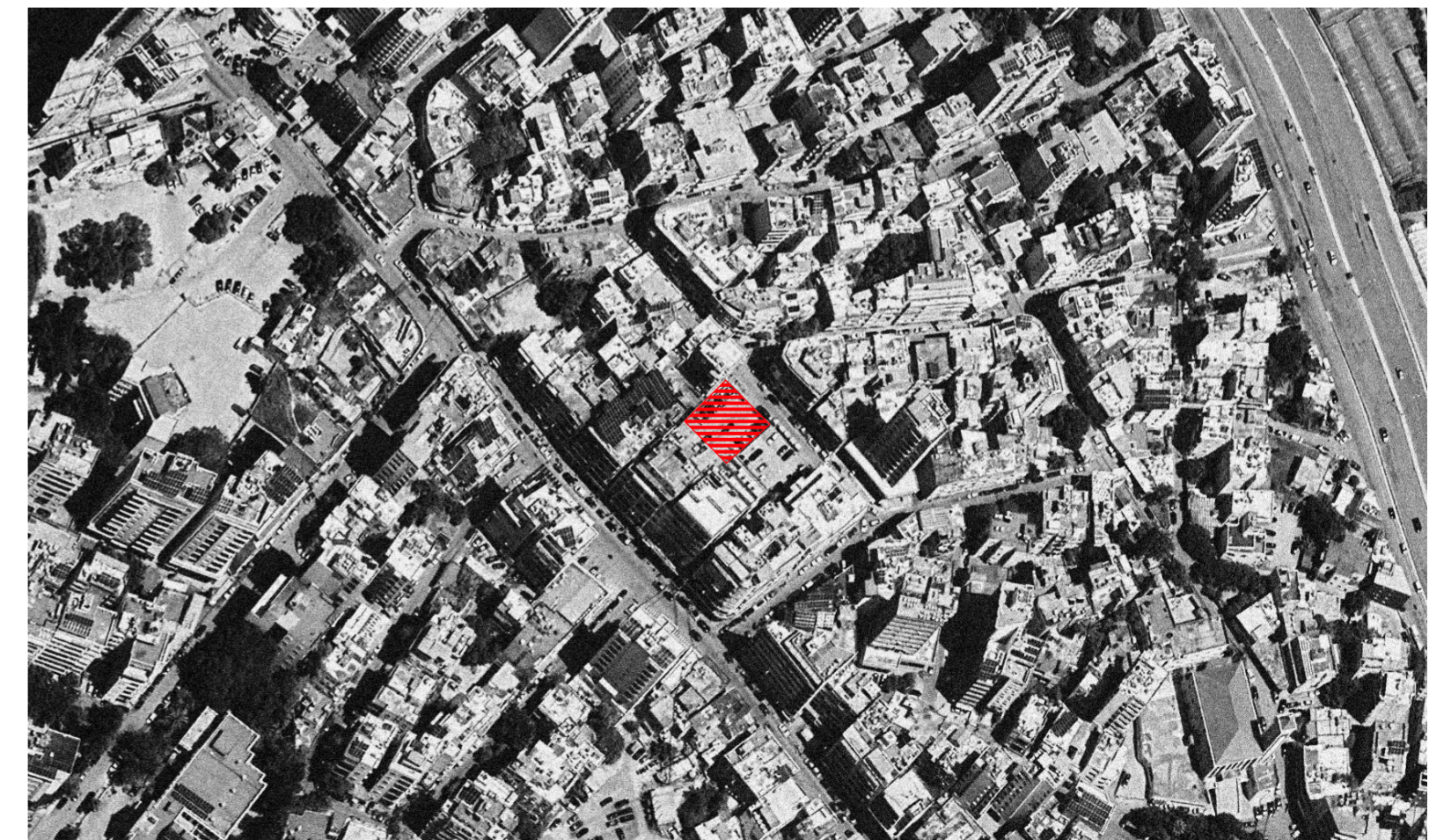
LOCATION: Forn El Chebbak, Beirut, Lebanon
PLOT AREA: 576.2 m²

UNITS

- + 4 studios of 50 m²
- + 4 studios of 70 m²
- + 4 studios of 90 m²
- + 4 studios of 110 m²

UNITS' FUNCTIONS

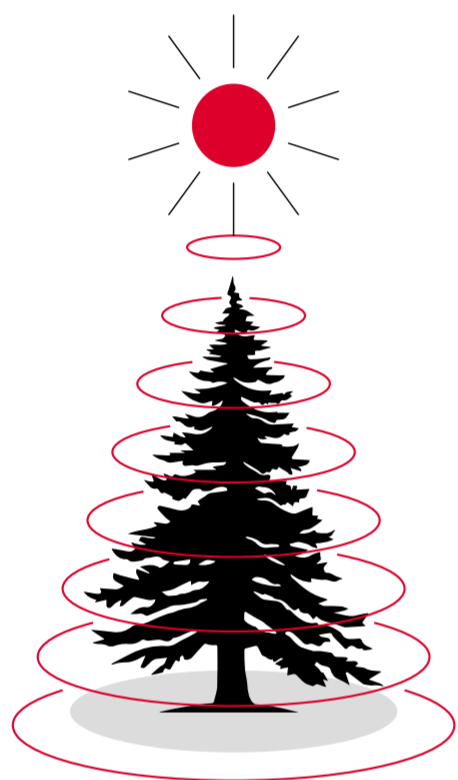
- + Entrance and reception area
- + Dining room and kitchen (open or enclosed)
- + One or more bedrooms (depending on area)
- + One or two bathrooms (depending on area)
- + One dedicated parking space per studio
- + Common Areas & Services
- + Ground-floor entrance hall
- + Concierge's apartment of 70 m²
- + Event hall of 200 m² (shared by all residents)
- + Fitness room of 200 m²
- + 3 visitor parking spaces on the ground floor
- + 16 resident parking spaces in the basement



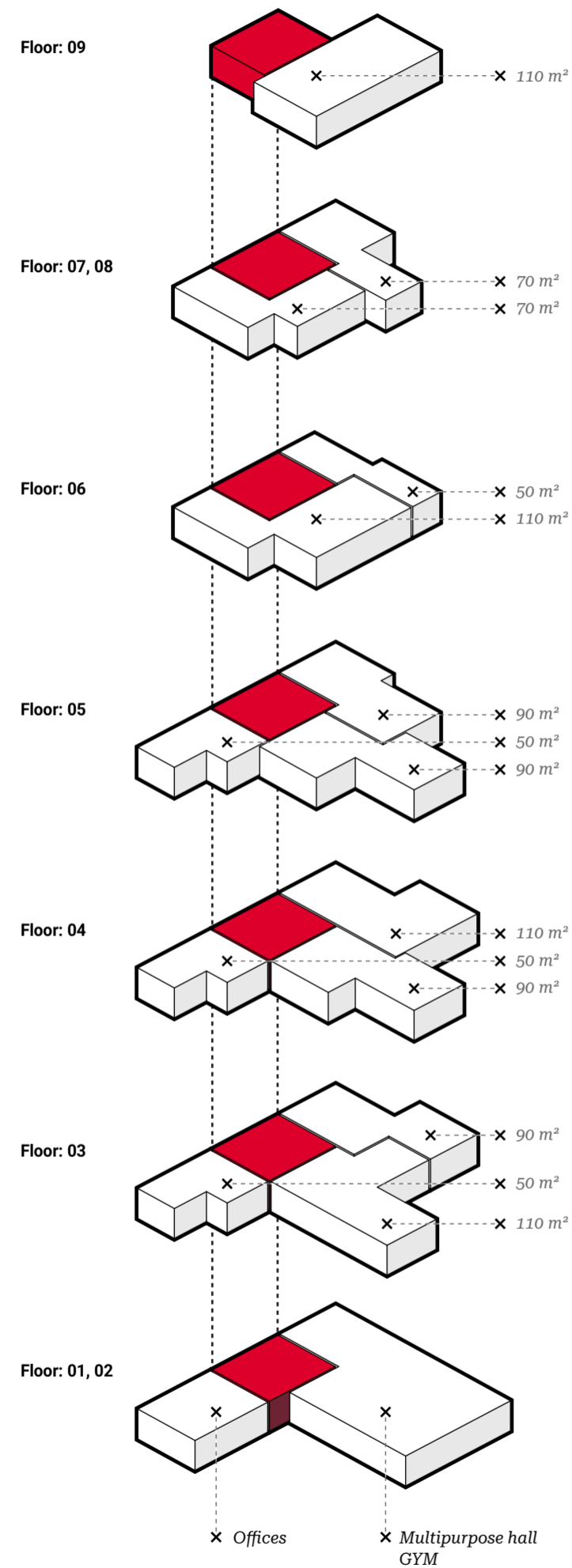
**PROJECT CONCEPT
& INSPIRATION**

The project draws inspiration from the growth logic of trees, which develop a conical form to maximize sunlight absorption in condensed environments. In response to the limited site footprint, the building adopts a vertical, tapering geometry that minimizes self-shading while allowing each level to access natural light.

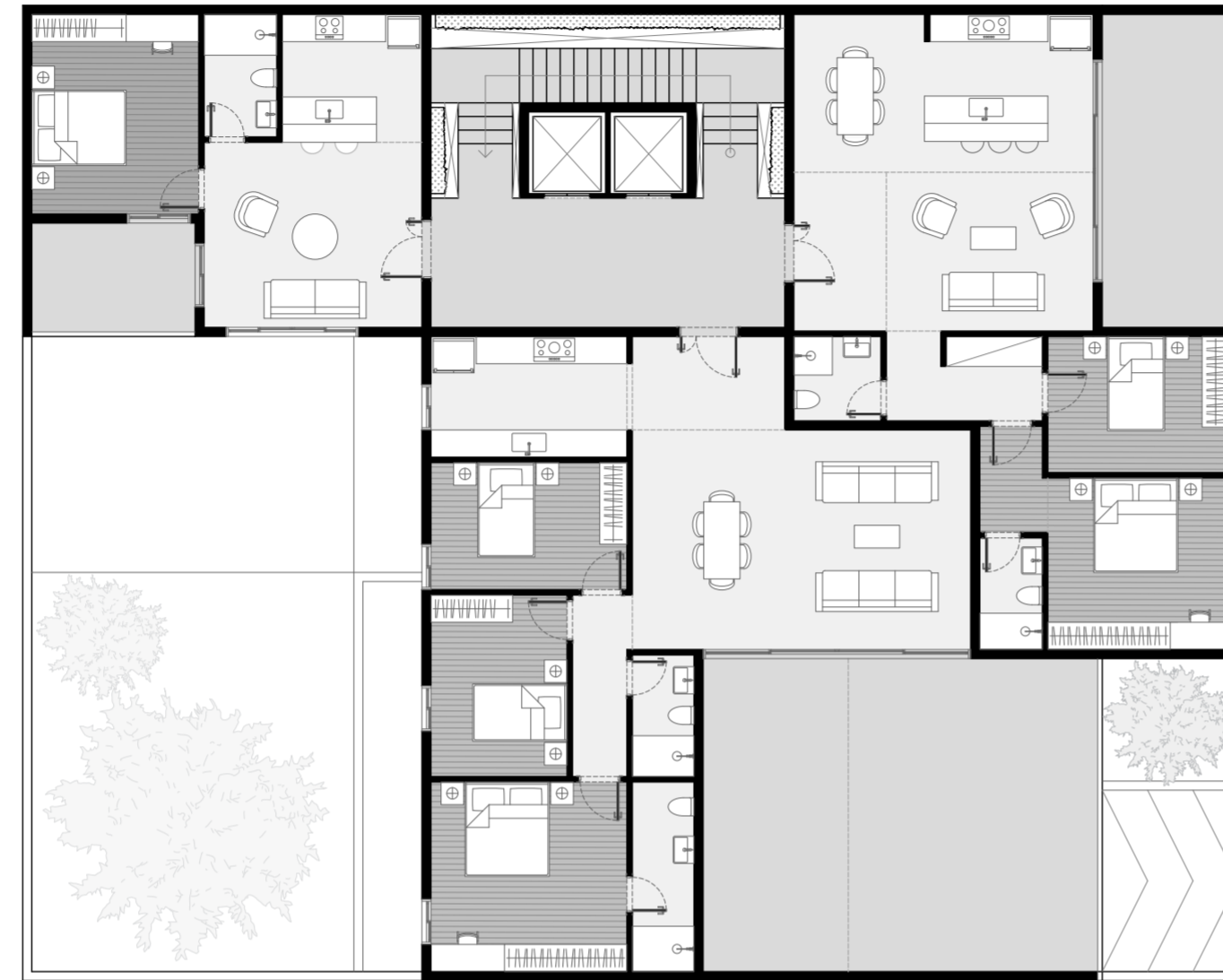
Programmatic functions are stacked and gradually reduced in plan, creating a structure that optimizes light penetration, spatial efficiency, and environmental performance within a constrained urban context.



DISTRIBUTION LAYOUT



PLANS



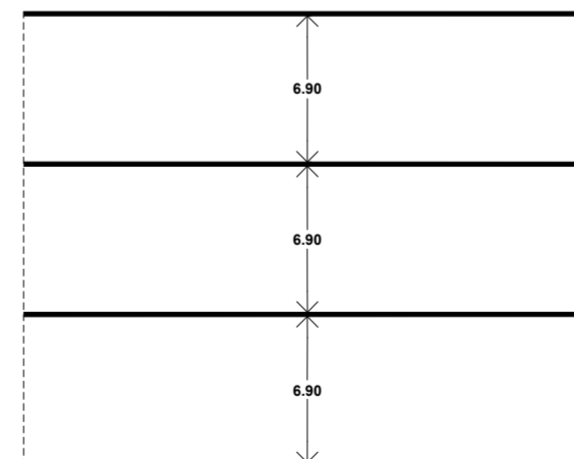
Floor: 03

Site Organization & Structural Logic

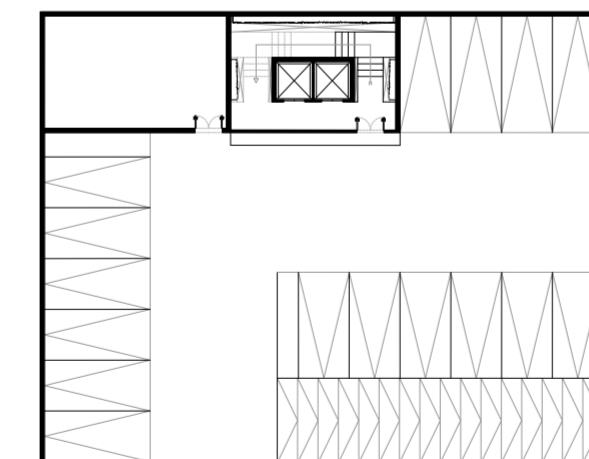
The plot is structured into three equal bands, establishing a clear spatial order that organizes underground parking while shaping a legible ground-floor interface.

This division defines access points for parking, building entry, and visitors, and extends upward as a unifying structural logic.

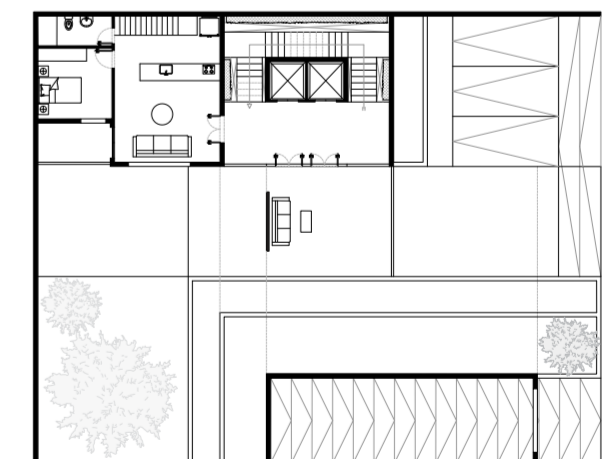
Despite variations in upper-floor layouts, the system maintains continuity, coherence, and spatial clarity throughout the building.



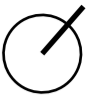
Floor: 04



Floor: Underground Parking



Floor: Ground

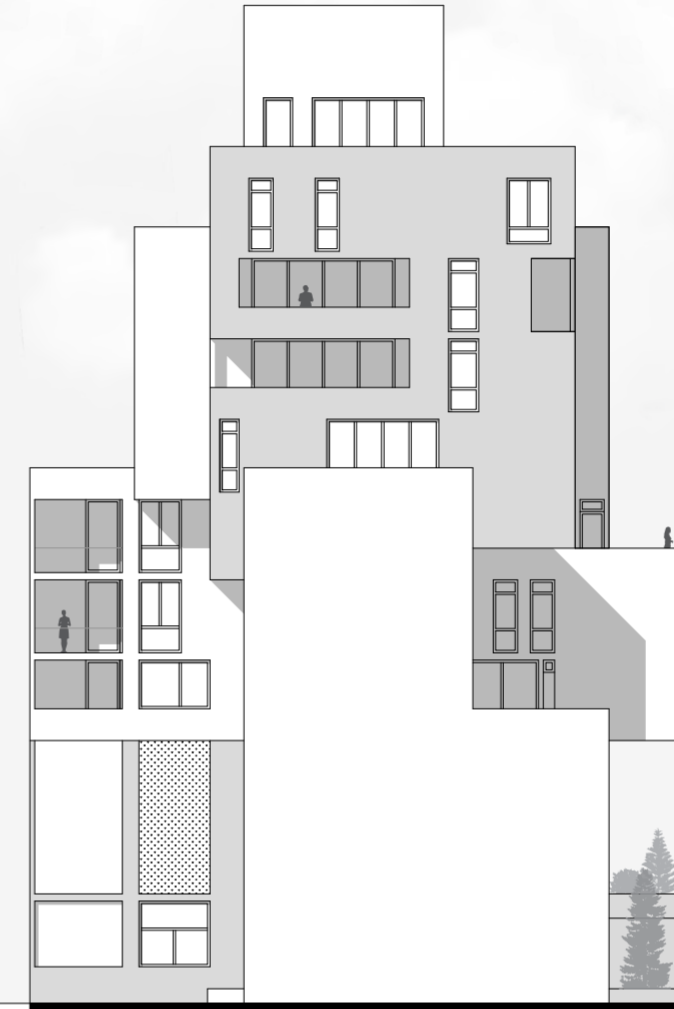




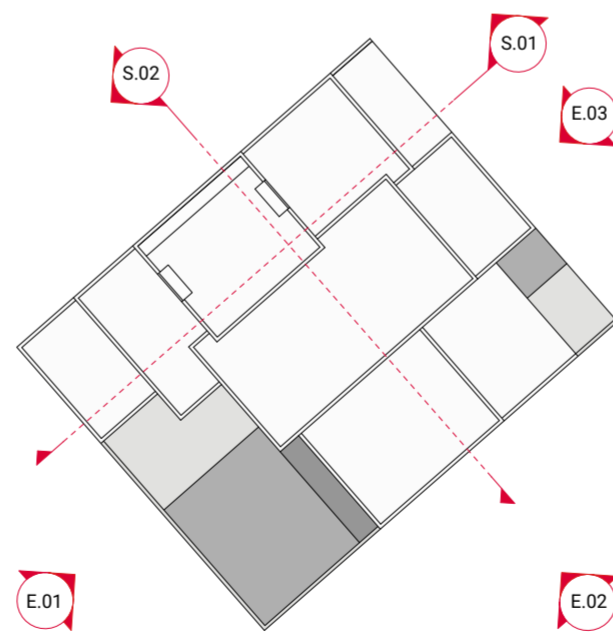
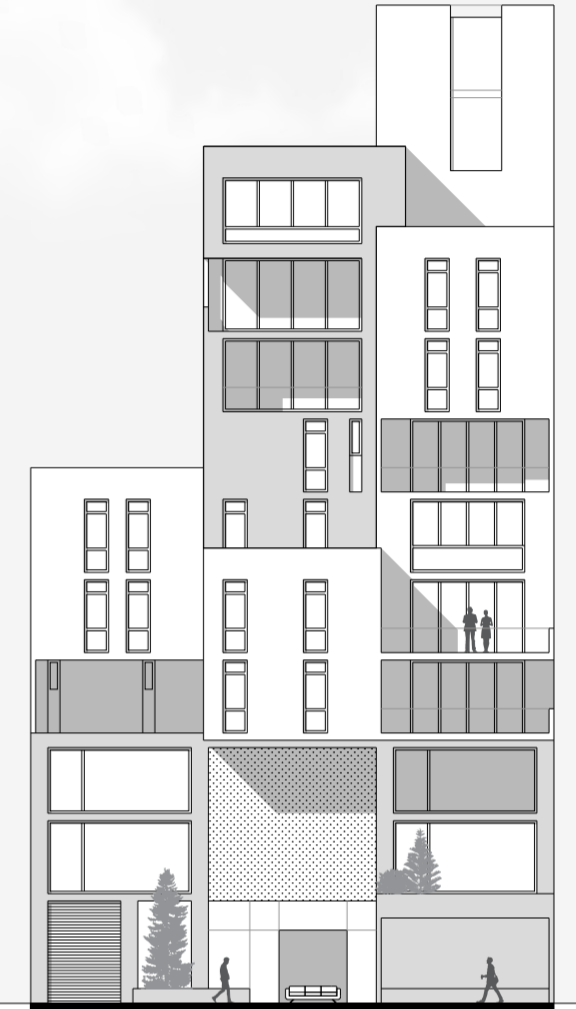
E.01
South West Elevation



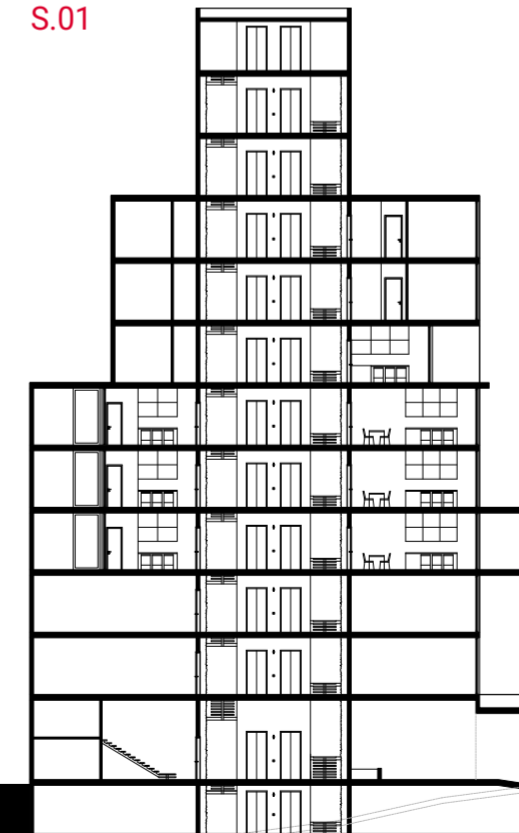
E.02
South East Elevation



E.03
North East Elevation

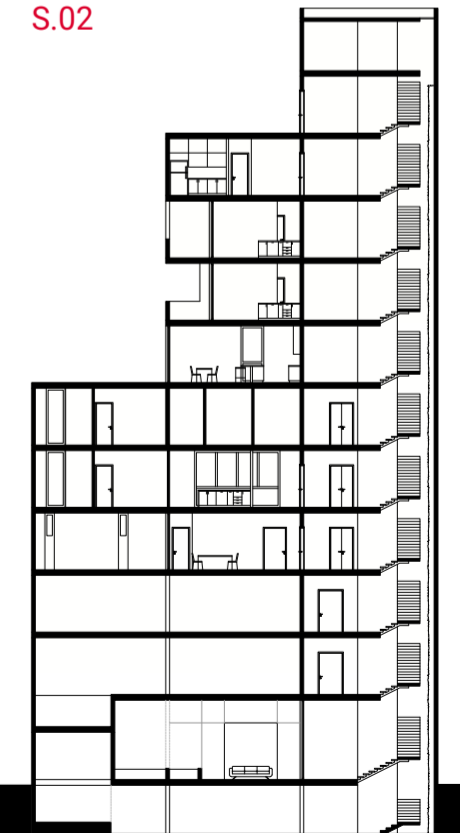


S.01



40.3 m
37.5 m
34.2 m
30.9 m
27.6 m
24.3 m
21 m
17.7 m
14.4 m
11.1 m
7.8 m
4.5 m
3.5 m
00 m
-0.3 m - Street Level
-2.55 m

S.02



P02



P02

GENESIS SCHOOL OF ARCHITECTURE

Academic Project / Lebanese University

PROJECT DATA

LOCATION: Jnah, Beirut, Lebanon

PLOT AREA: 11,003 m²

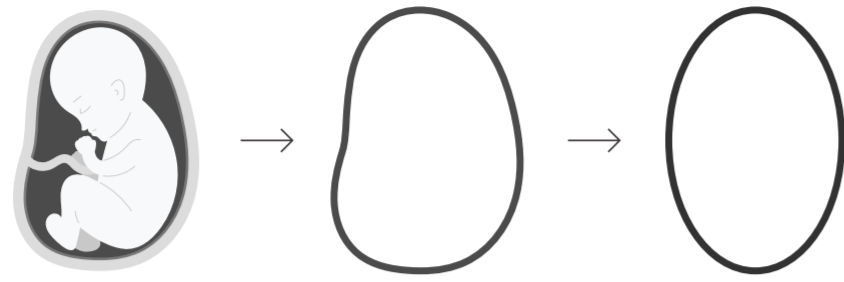
PROGRAM

- + An open-air parking area for 50 cars
- + A covered parking area for 20 cars
- + 12 workshops for 50 students each
- + 12 classrooms for 50 students each
- + 2 large evaluation rooms
- + Media center & library with reading & storage spaces
- + A bookstore & copy center
- + An exhibition gallery
- + A large multipurpose hall for 200 people with storage space
- + An amphitheater for 200 people with backstage areas
- + 2 professors' lounges for 15 professors each, including a cafeteria
- + An office for the head of the architecture department
- + An office for the head of the interior architecture department
- + A cafeteria for 100 people with food preparation and storage areas
- + An outdoor space for sports activities
- + 2 sanitary blocks on each floor
- + Administrative block (director's office plus 8 different offices)
- + Large storage depot with 4 technical rooms



PROJECT CONCEPT & INSPIRATION

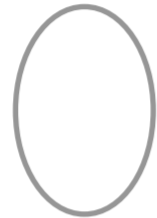
Drawing inspiration from the womb as a site of origin, this design reimagines the architecture school as a fertile incubator for creative potential. It is a sanctuary where vision is planted and discipline is cultivated—a sacred space dedicated to the transition from raw aspiration to realized form. Here, the architect is not merely taught, but conceived and brought to fruition.



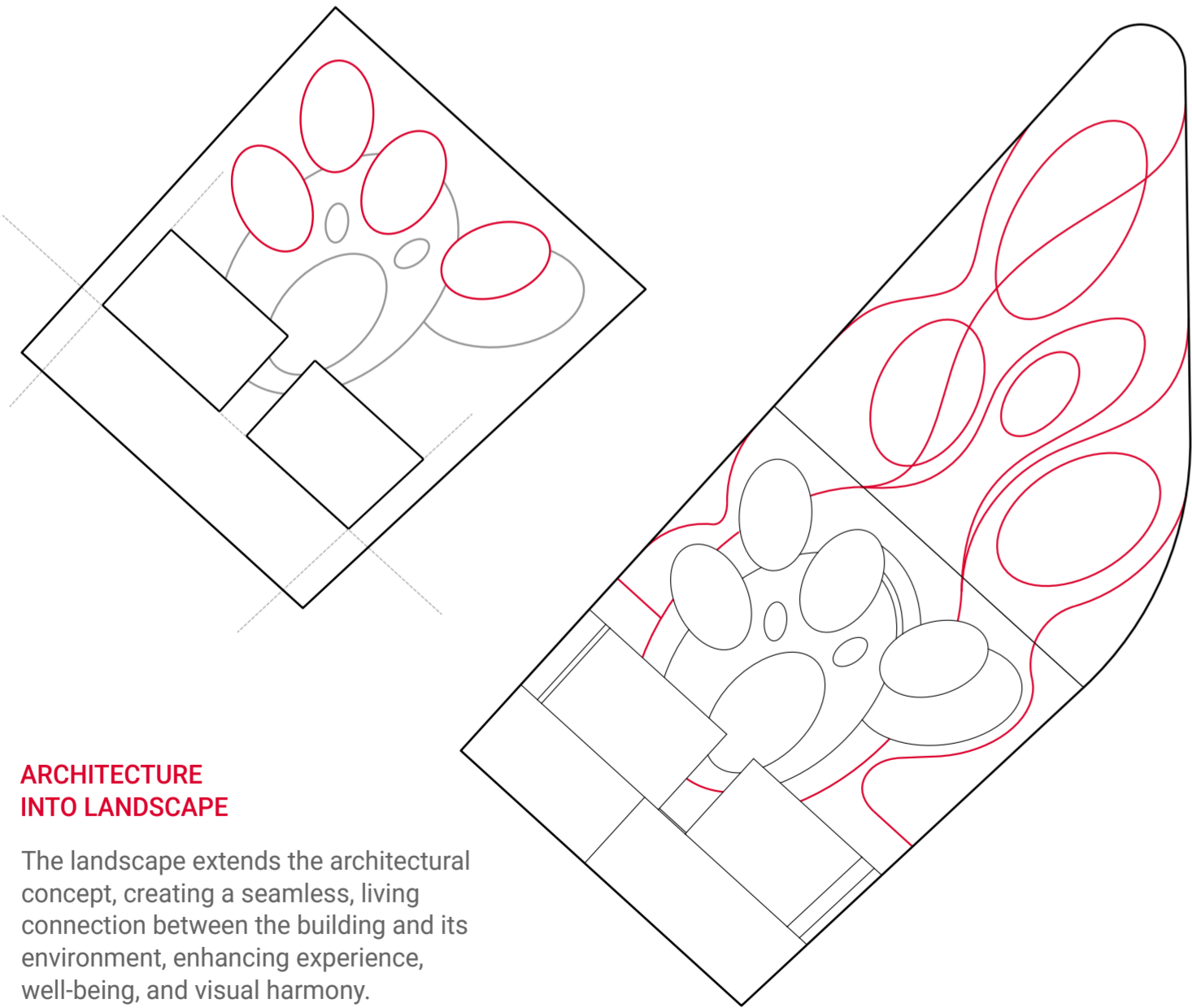
Studios took the oval shape following the main concept



Class rooms & Administration offices took the rectangular shape Following the plot borders



Connecting all functions with an oval shape, the heart of the project



ARCHITECTURE INTO LANDSCAPE

The landscape extends the architectural concept, creating a seamless, living connection between the building and its environment, enhancing experience, well-being, and visual harmony.



LIGHT AIR+ SHADOW

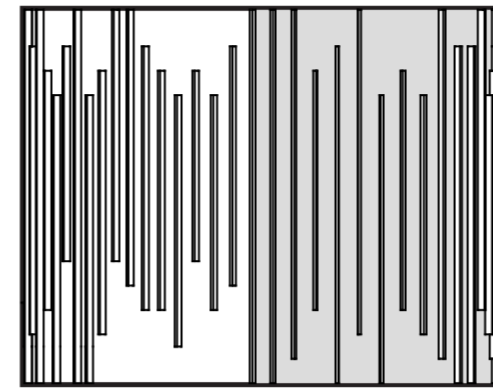
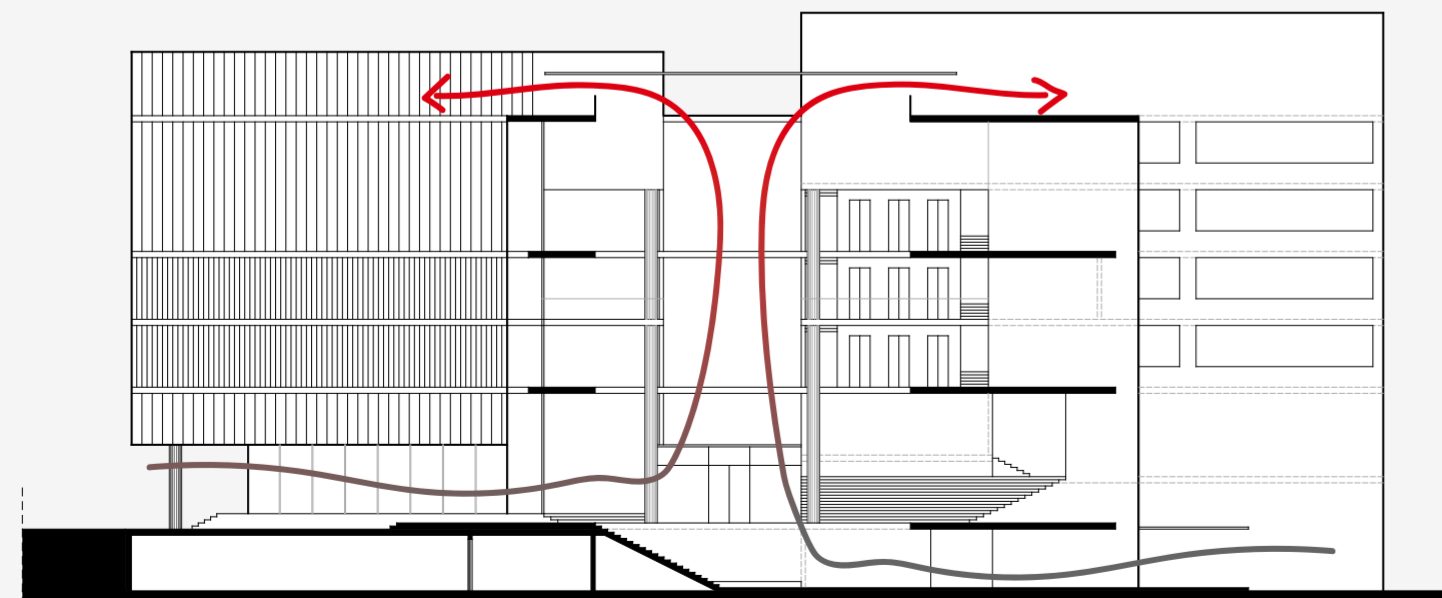
ADAPTIVE BRISE-SOLEIL & MATERIAL EXPRESSION

Brise-soleil elements follow a unified façade language, reinforcing the building's identity while being selectively rotated to respond to orientation and functional needs. This adaptive system optimizes solar control and thermal comfort, creating a dynamic yet coherent façade.

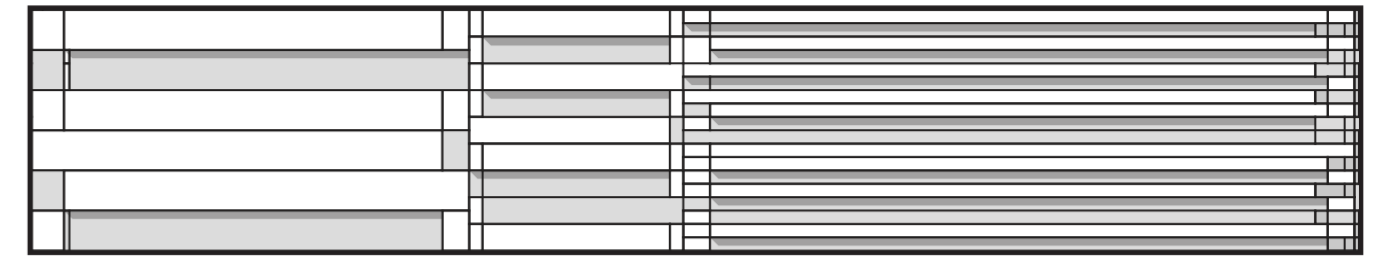
Material variation—such as metal, concrete, or timber—responds to environmental performance and functional requirements. Applied vertically where needed, the façade maintains continuity while clearly expressing different building functions.

PASSIVE VENTILATION & DAYLIGHTING STRATEGY

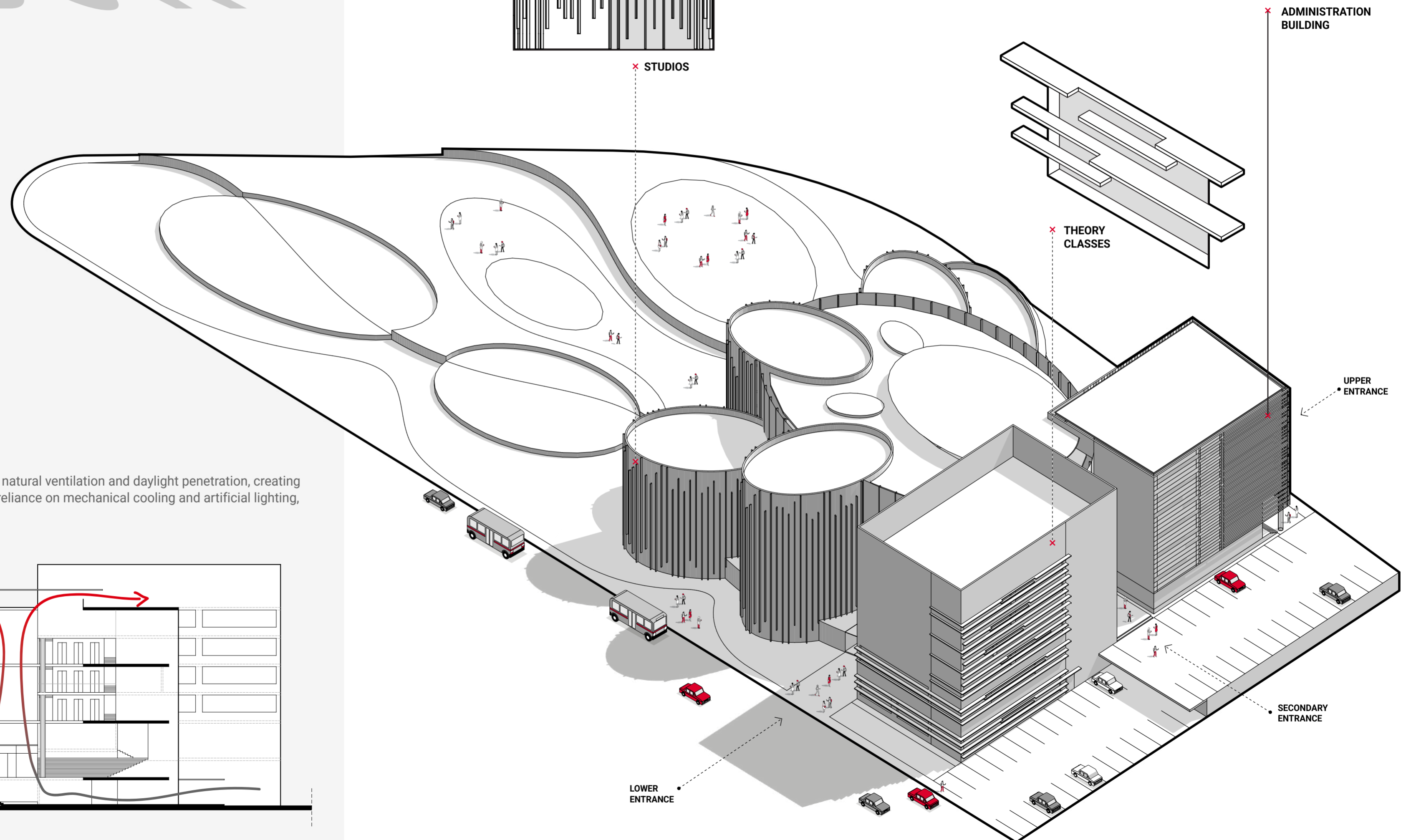
Opening the upper part of the oval form enhances natural ventilation and daylight penetration, creating a comfortable indoor microclimate. This reduces reliance on mechanical cooling and artificial lighting, improving overall energy efficiency.



× STUDIOS



× THEORY CLASSES

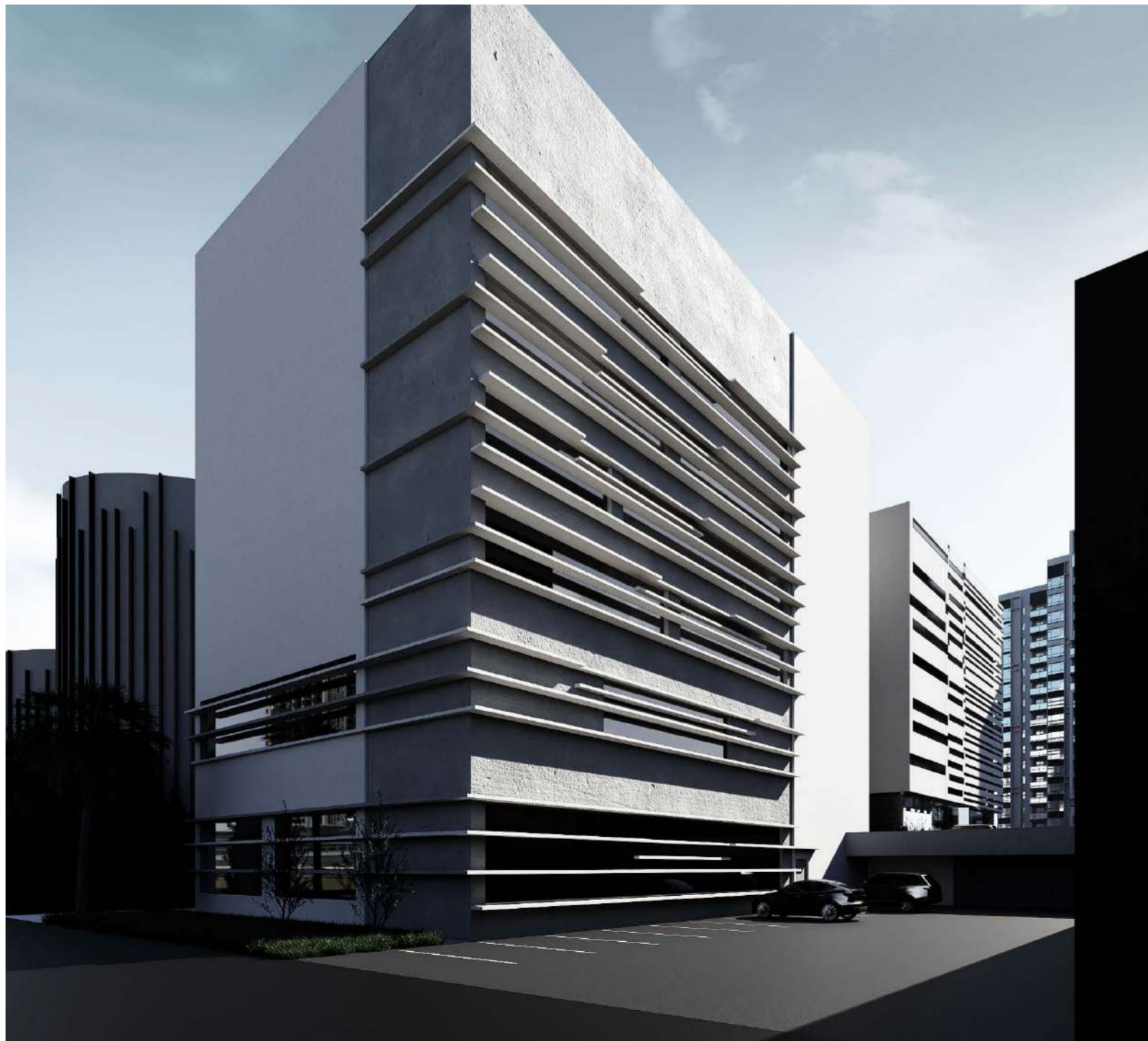


× ADMINISTRATION BUILDING

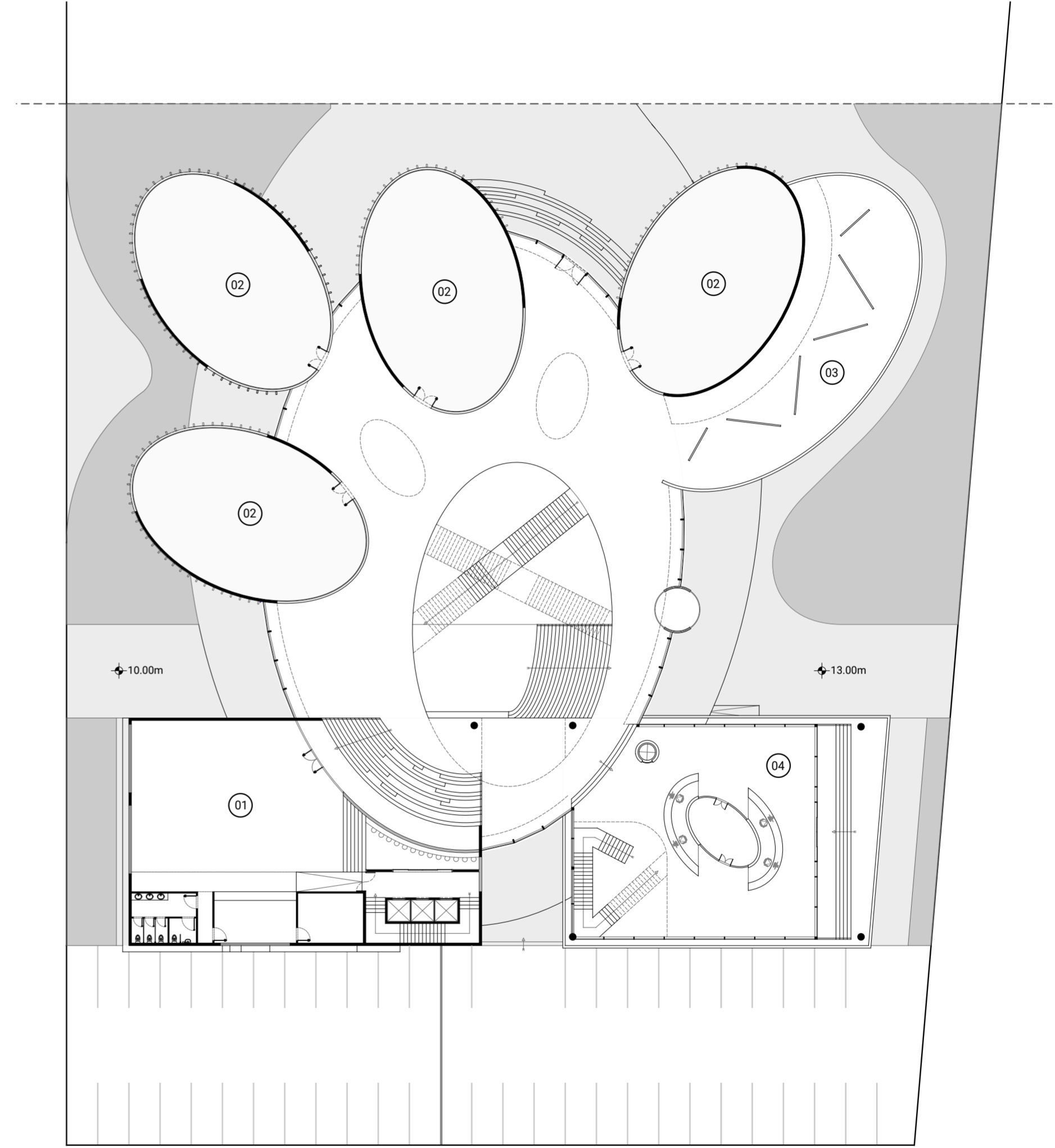
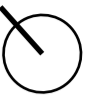
UPPER ENTRANCE

SECONDARY ENTRANCE

LOWER ENTRANCE

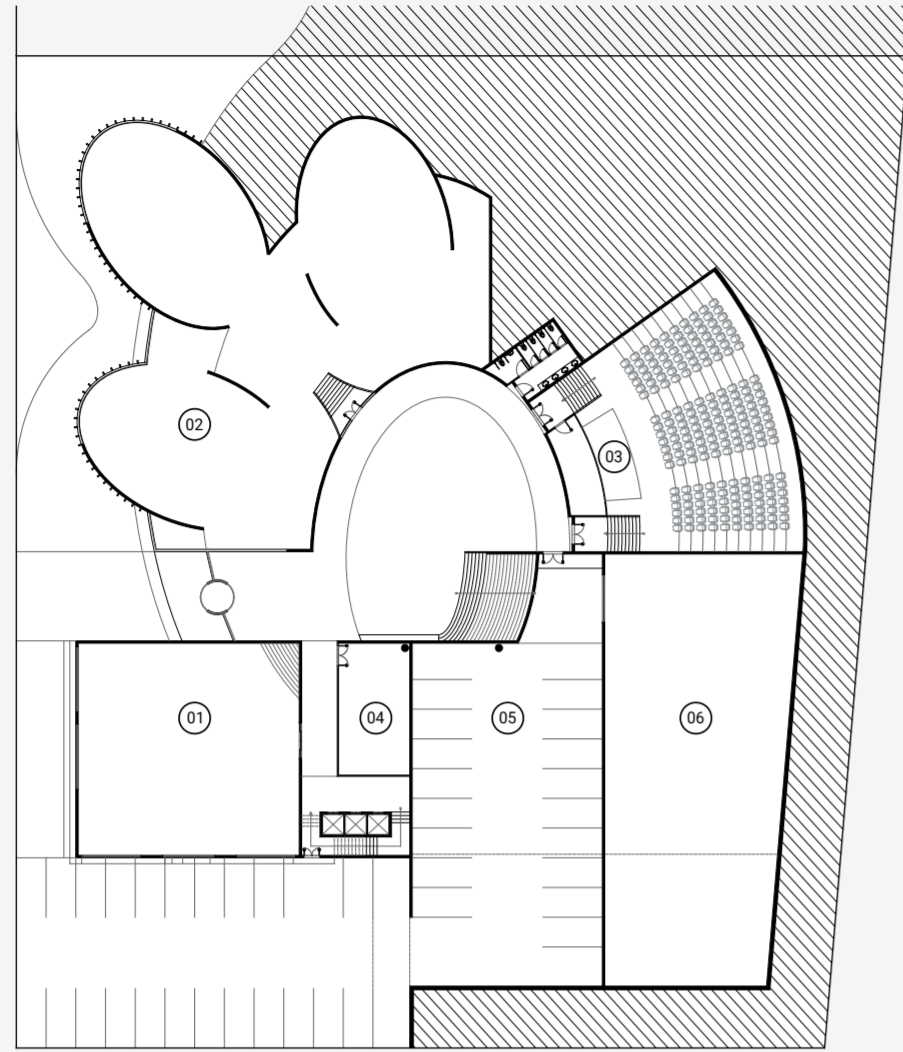


PLAN: GROUND FLOOR



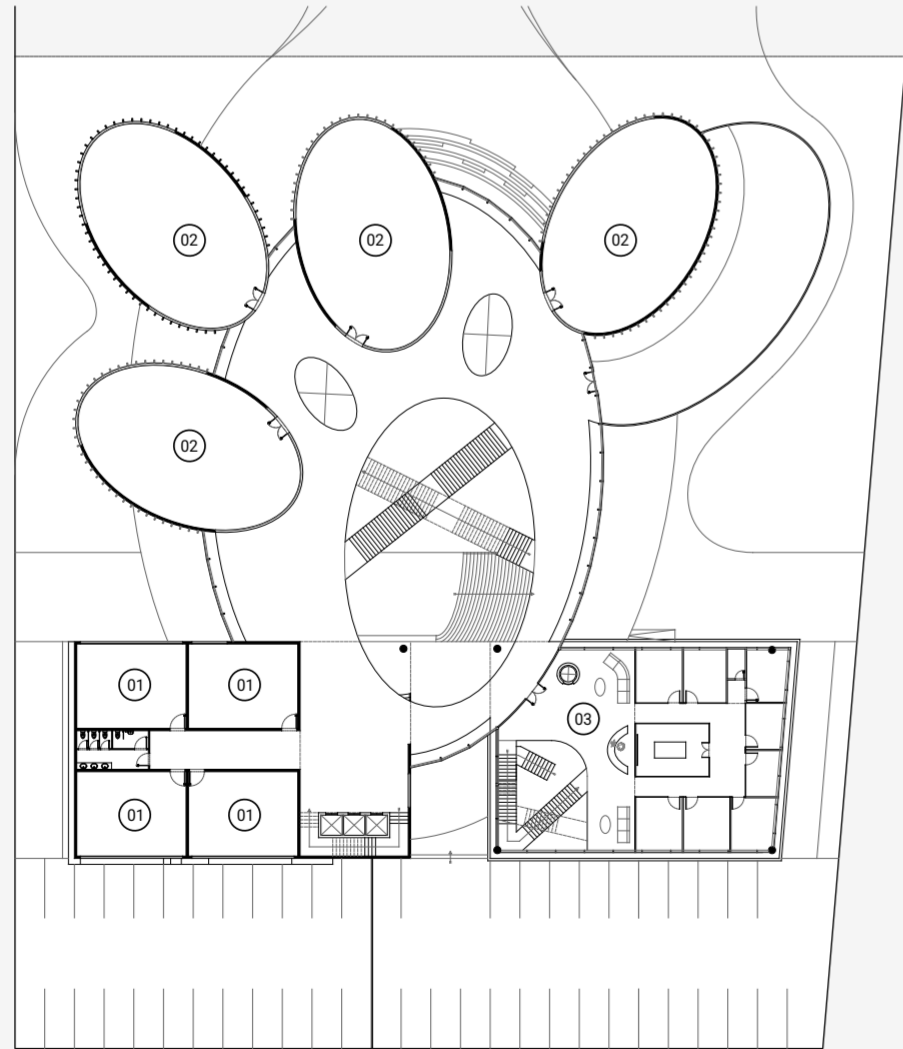
- 01 - Cafeteria
- 02 - Studio
- 03 - Exhibition
- 04 - Administration Hall

PLANS



FLORR: -01

- 01 - Workshop
- 02 - Library
- 03 - Theater
- 04 - Media & Printing
- 05 - Indoor Parking
- 06 - Storage space



FLORR: 01

- 01 - Class Room
- 02 - Studio
- 03 - Offices



P03



P03

ONE HUMAN EMERGENCY VILLAGE

Academic Project / Lebanese University

PROJECT DATA

LOCATION: Sibleine, Mount Lebanon, Lebanon

PLOT AREA: 290,000 m²

PROGRAM

Residential Areas, 1000 Units, two-stories max:

+ For 1 to 3 people / 40 m² / 300 Units

+ For 4 to 5 people / 70 m² / 500 Units

+ For 6 to 8 people / 100 m² / 200 Units

Community Facilities

- + Place of Worship
- + School
- + Library
- + Healthcare Clinic
- + Community & Cultural Center
- + Sports Complex

Commercial Areas

- + Shops and Retail
- + Restaurants and Cafes

Recreational Spaces

- + Parks and Gardens
- + Piazzas
- + Playgrounds
- + Outdoor sports

Infrastructure

- + Roads and Pathways
- + Water Treatment Plant
- + Waste Management Facility
- + Renewable Energy Facilities

Agricultural Areas

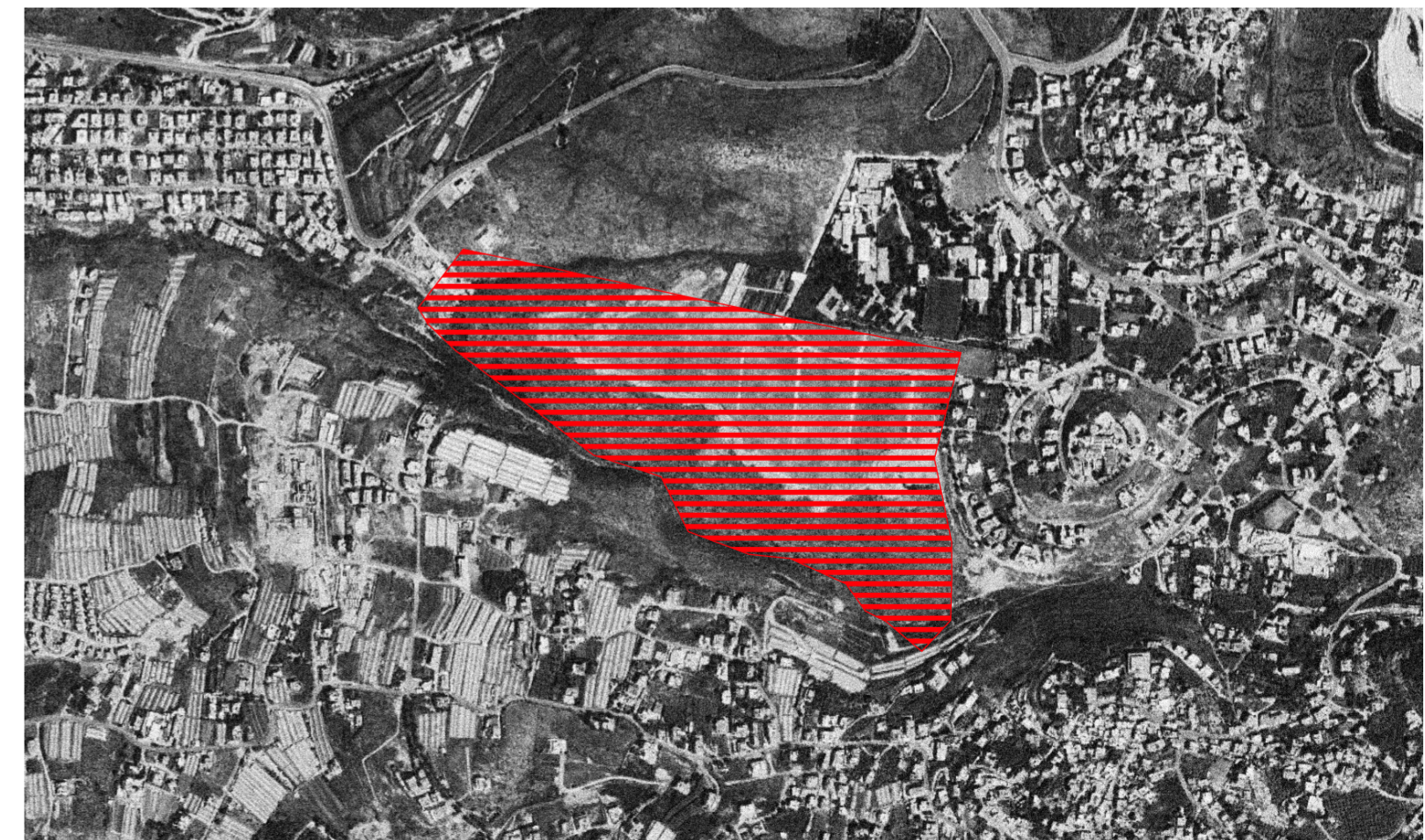
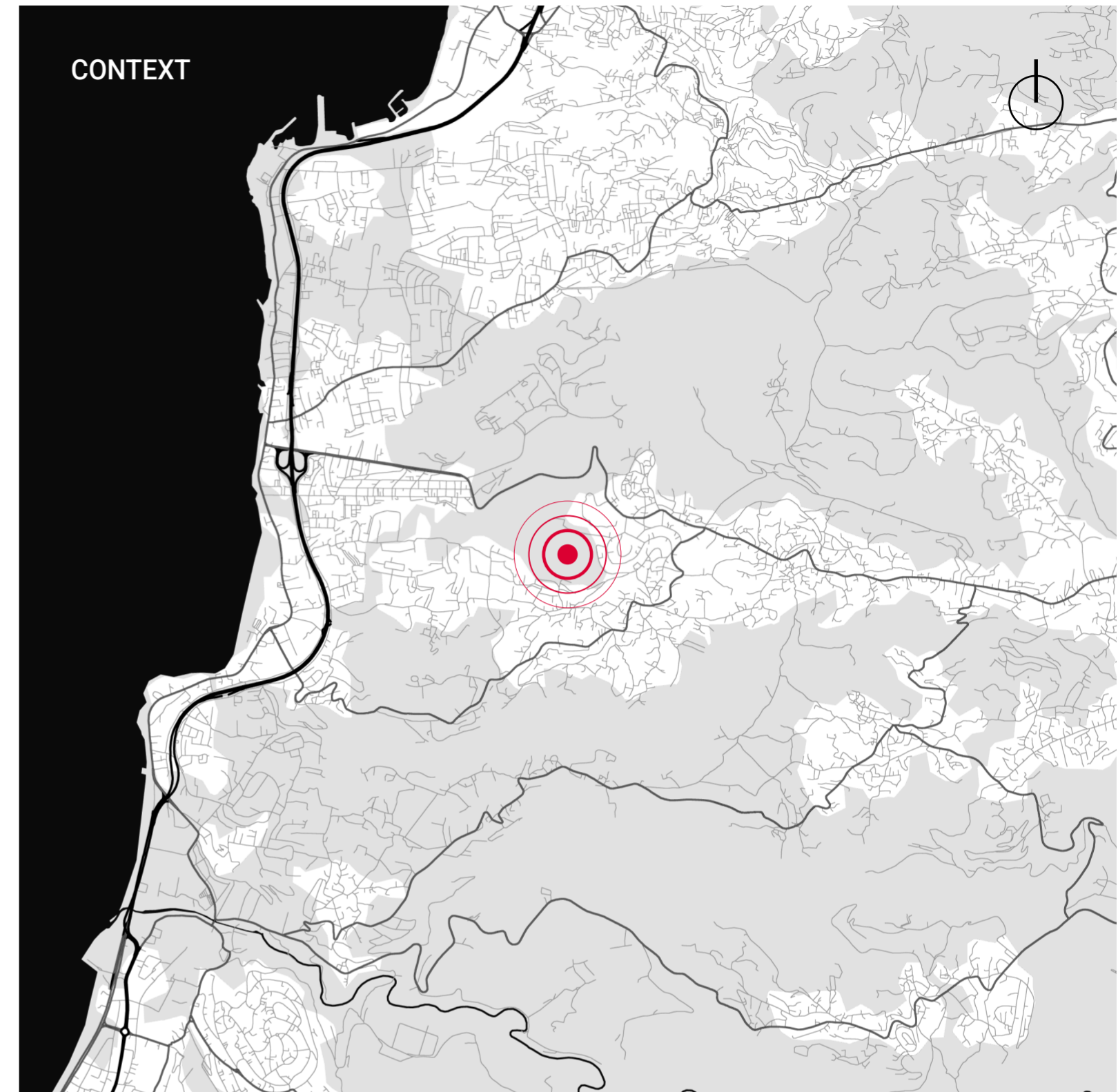
- + Farms
- + Greenhouses

Public Services

- + Fire Station
- + Police Station

Miscellaneous

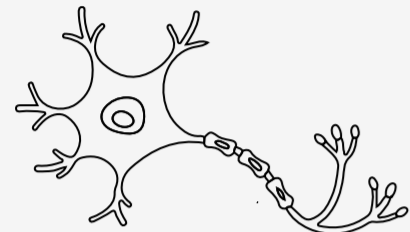
- + Parking Areas
- + Bus Terminals



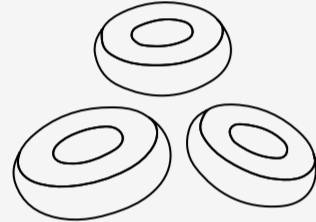
PROJECT CONCEPT & INSPIRATION

The village is designed as more than a shelter; it is a human-centered environment that supports well-being, comfort, and social connection. Guided by Human-Centered and Biophilic Design principles, the project integrates nature to reduce stress, enhance mood, and encourage interaction.

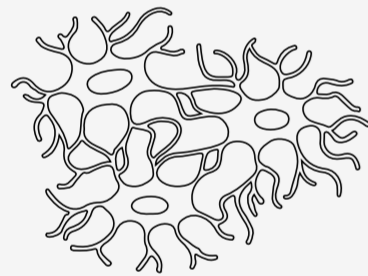
Like the human body, the village functions as a unified system, where residential units, circulation, and communal spaces operate in harmony. This holistic design fosters a sense of belonging, safety, and resilience, creating an environment that feels intuitive and closely connected to human needs.



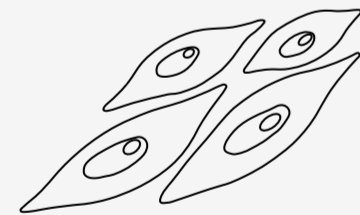
Nerve cells



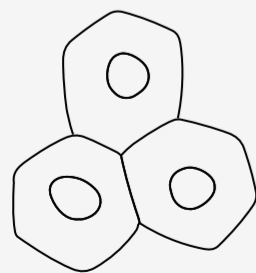
Blood cells



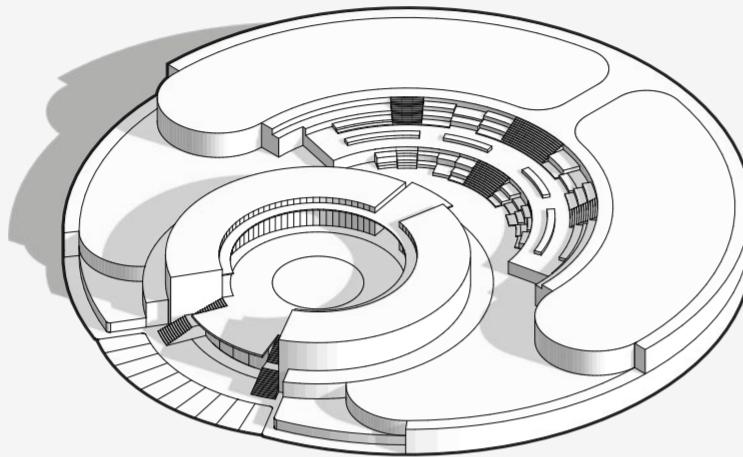
Brain cells



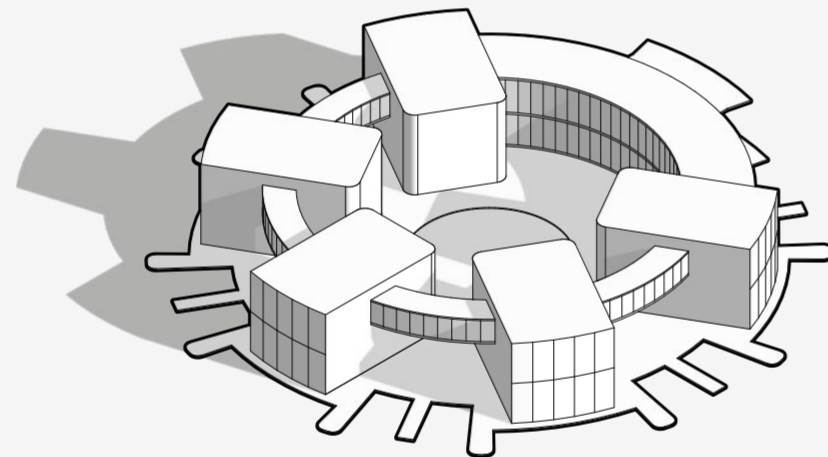
Muscle cells



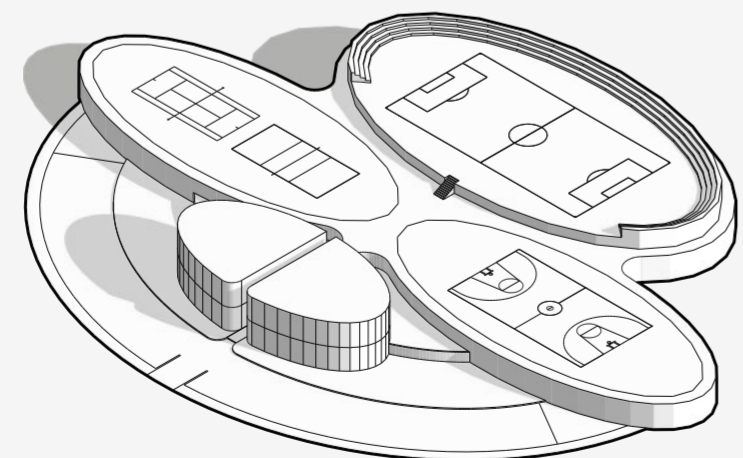
Tissue cells



Piazza, Market & Restaurants
Inspired from Blood cells



School & Library
Inspired from Brain cells



Sports Facility & Cultural Center
Inspired from Muscle cells

TERRAIN AS A DRIVER

The sloped site is approached as a generative condition rather than a limitation. Changes in level are addressed through a modular strategy that allows spaces to step, shift, and adjust to the topography. This approach reduces the need for extensive earthworks while preserving spatial continuity and reinforcing a strong connection between the built form and the landscape.

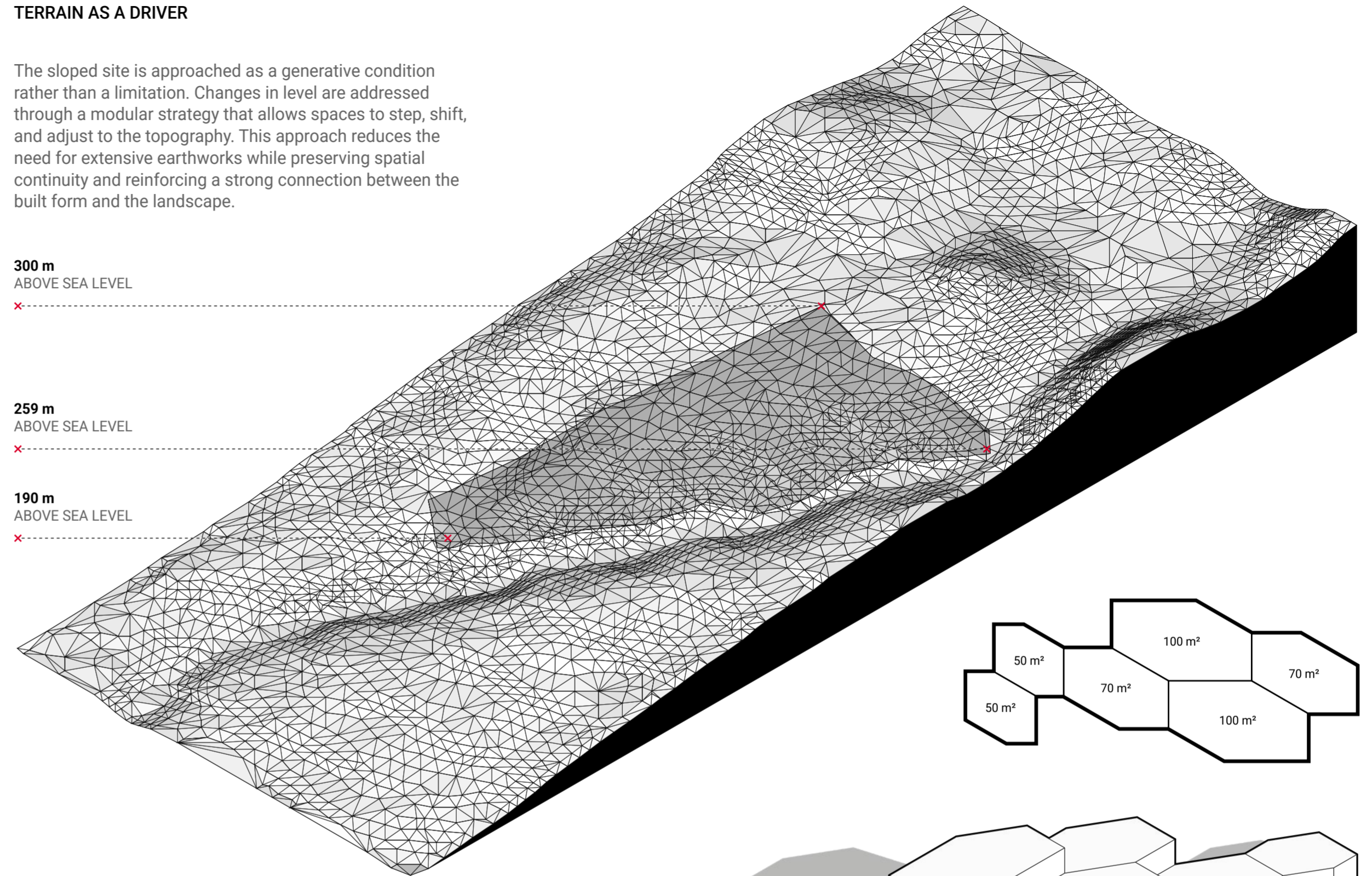
300 m
ABOVE SEA LEVEL



259 m
ABOVE SEA LEVEL



190 m
ABOVE SEA LEVEL

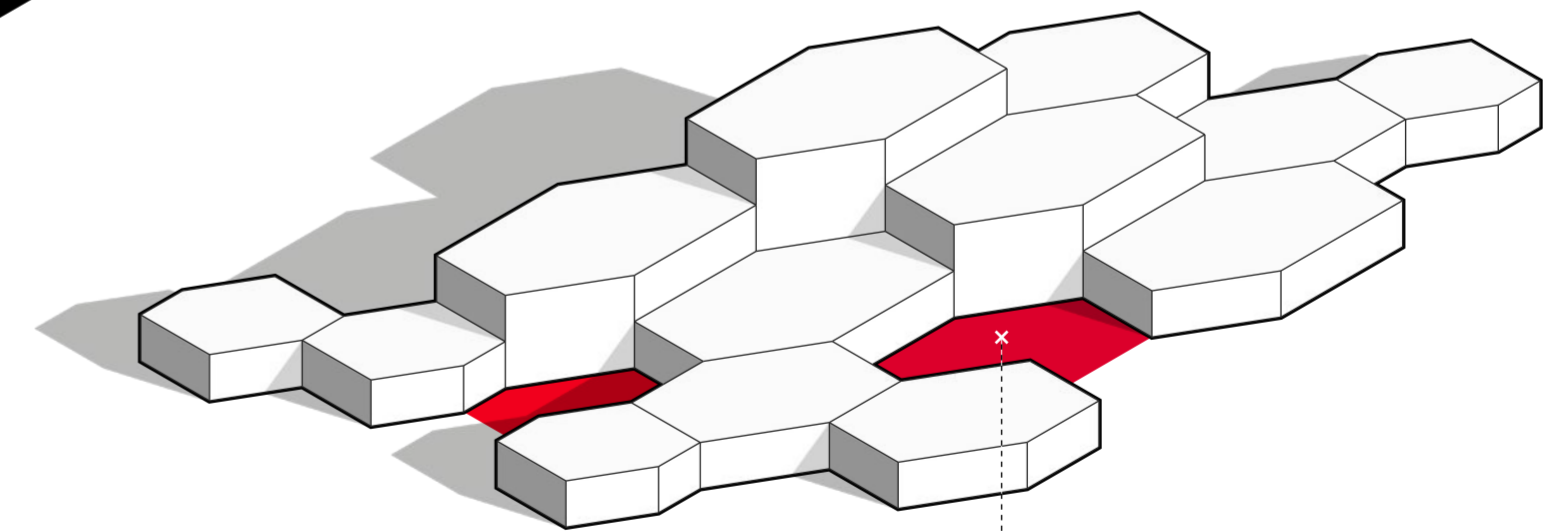
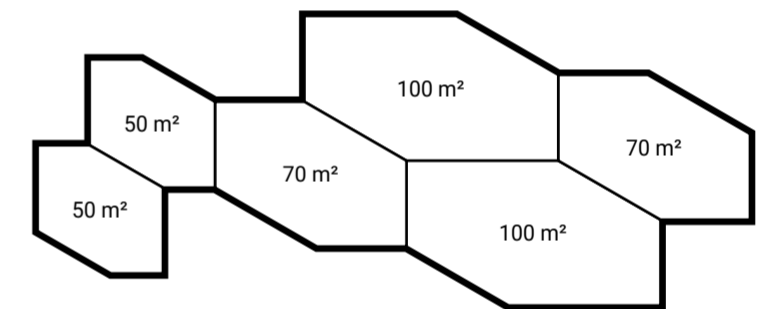


MODULARITY AS A RESPONSE

A flexible system enabling infinite spatial arrangements.

The project explores a modular cellular spatial system inspired by adaptive behaviors found in human cells, where organization emerges through interaction and movement. Derived from a Voronoi-based hexagonal logic, three distinct cell scales interact to generate spatial diversity.

By maintaining shared edges between neighboring cells, the system promotes continuity and layered relationships rather than isolated forms. This cellular field adapts fluidly to the terrain, allowing the architecture to grow, merge, and transform in response to topography, forming an organic and cohesive spatial composition.

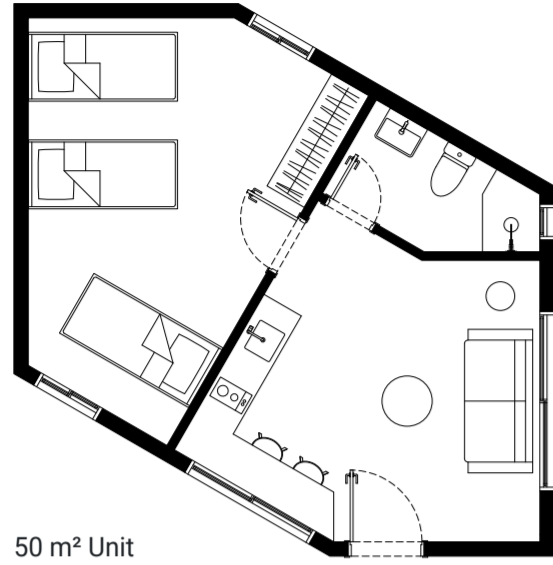


The spaces formed between units become semi-open courtyards, providing safe areas for children while enhancing connectivity, social interaction, and spatial engagement.

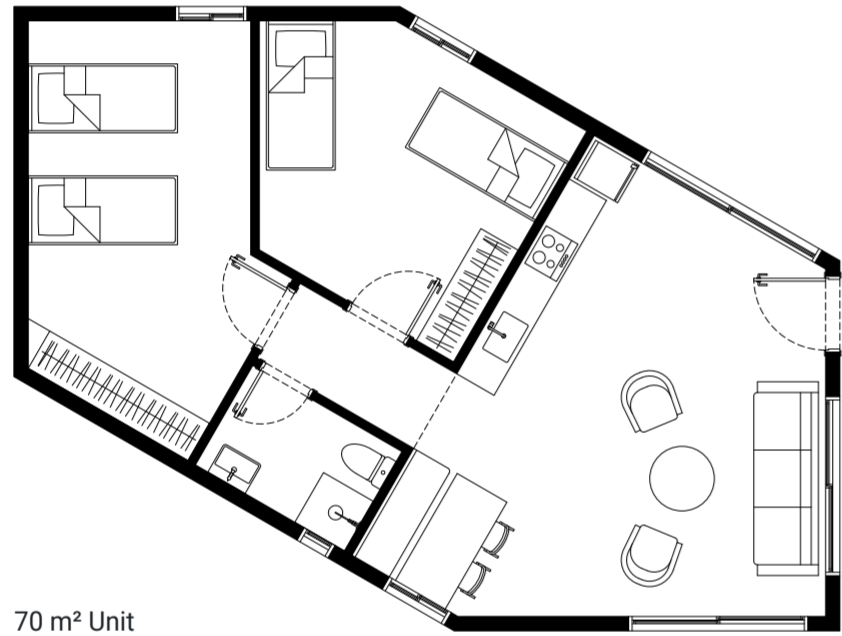
The organization of modular cells creates a hierarchy of volumes and enables access from both upper and lower levels.



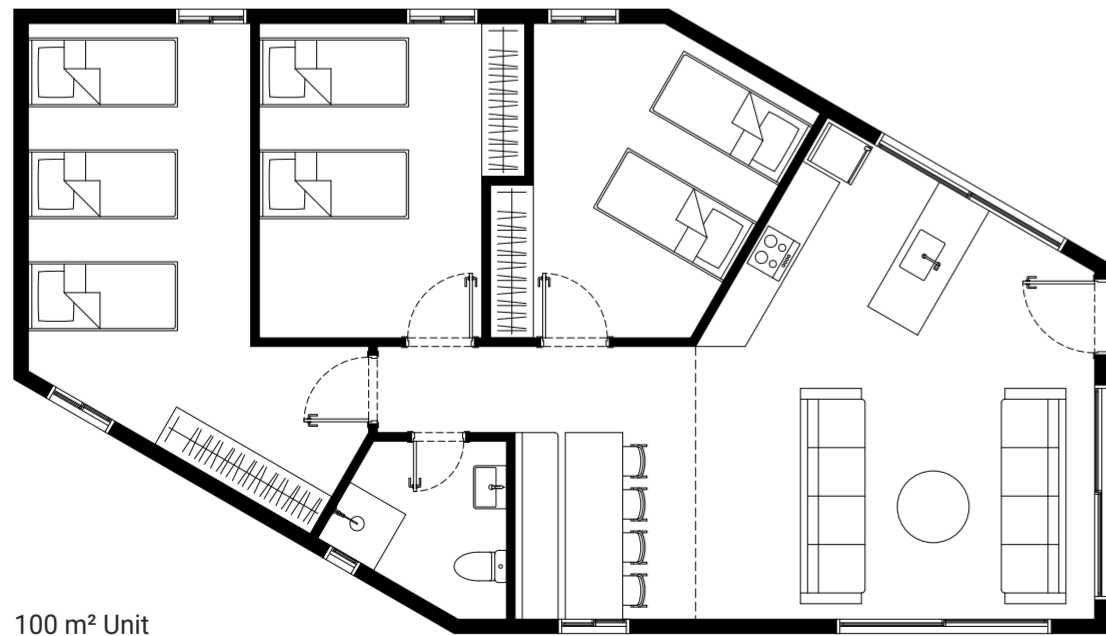
UNITS



50 m² Unit



70 m² Unit



100 m² Unit



- 01 Sports & Community Center
- 02 Piazza, Restaurants & Market
- 03 School & Library
- 04 Worship Place
- 05 Polyclinic
- 06 Fire & Police Station
- 07 Irrigation Reservoirs
- 08 Agricultural Areas
- 09 Waste Management & Water Treatment Facility



P04



P04

OLIA OLIVE OIL MILL

Academic Project / Lebanese University

PROJECT DATA

LOCATION: Maamariyeh, South Lebanon, Lebanon

PLOT AREA: 22,400 m²

PROGRAM

Production & Packaging Facilities

- + Olive Oil Production Area
- + Packaging Area
- + Storage Areas

Production Observation & Tour Areas

- + Observation Decks
- + Scenic Walking Trails

Administrative & Staff Facilities

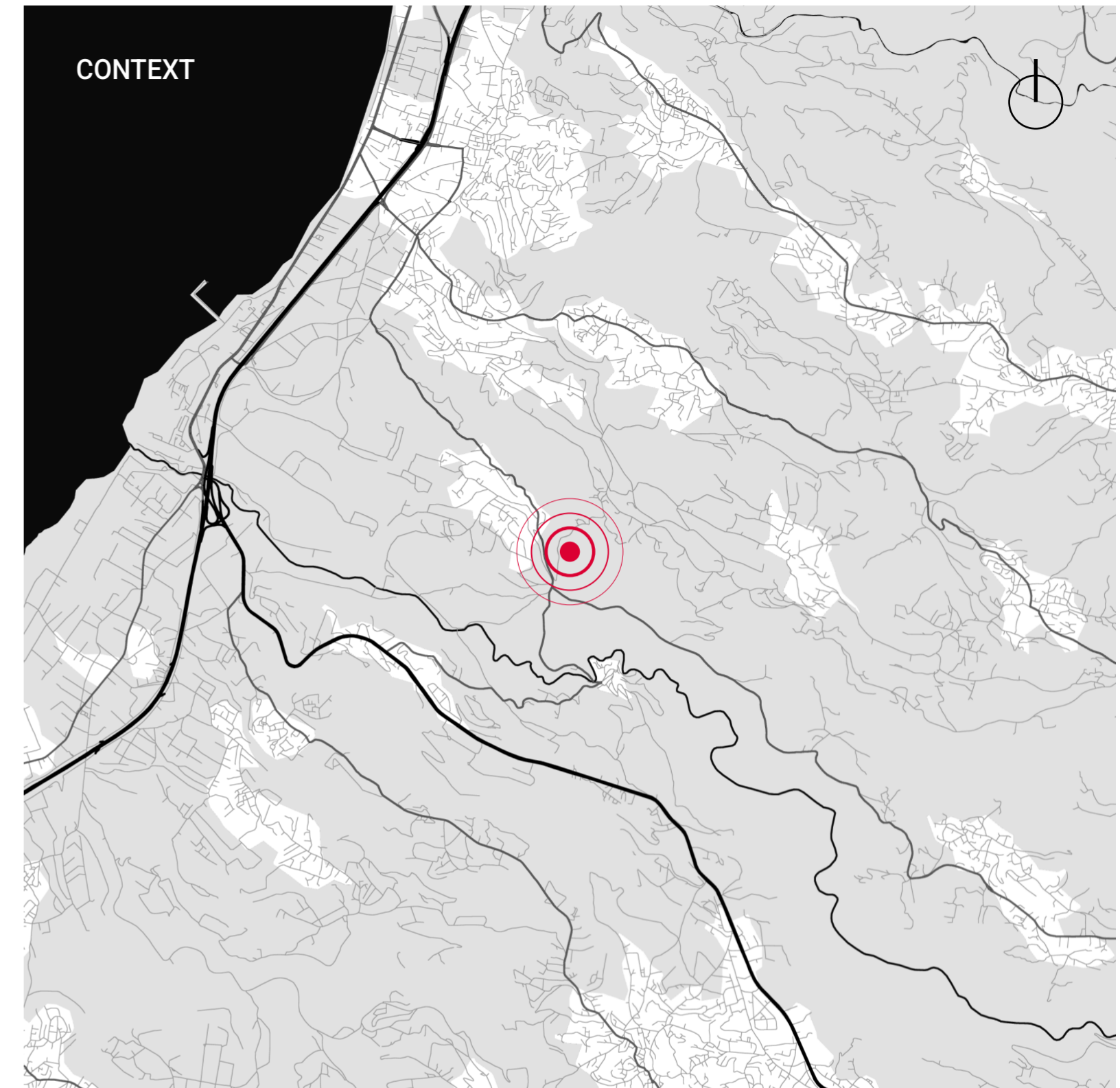
- + Offices
- + Break Room/Staff Kitchen
- + Locker Rooms and Restrooms

Visitor Spaces

- + Shop
- + Restaurant/Café
- + Tasting Pavilion
- + Museum / Interactive Museum
- + Outdoor Amphitheatre
- + Multi-functional Hall

Worker and Guest Accommodations

- + Dormitory for Seasonal Workers
- + Communal Kitchen
- + Guest Rooms
- + Wellness Area



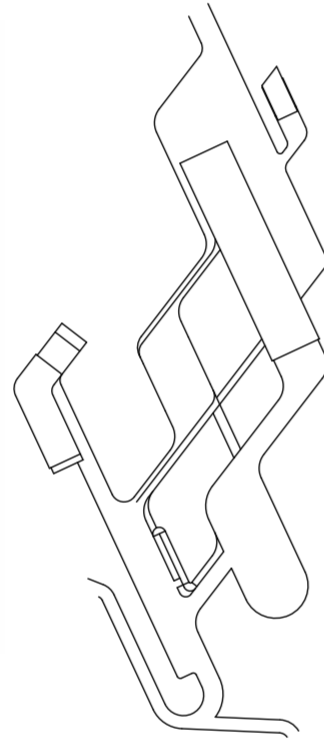
**PROJECT CONCEPT
& INSPIRATION**

An Olive Oil Experience

Inspired by the myth of Poseidon and Athena, the project is rooted in the symbolic value of the olive tree as a gift of nourishment, peace, and prosperity. This narrative shapes the design, where architecture becomes a dialogue between mythology, nature, and production. The wave-like factory form reflects Poseidon's maritime energy, while the underground museum represents Athena's olive tree and its journey from cultivation to oil.

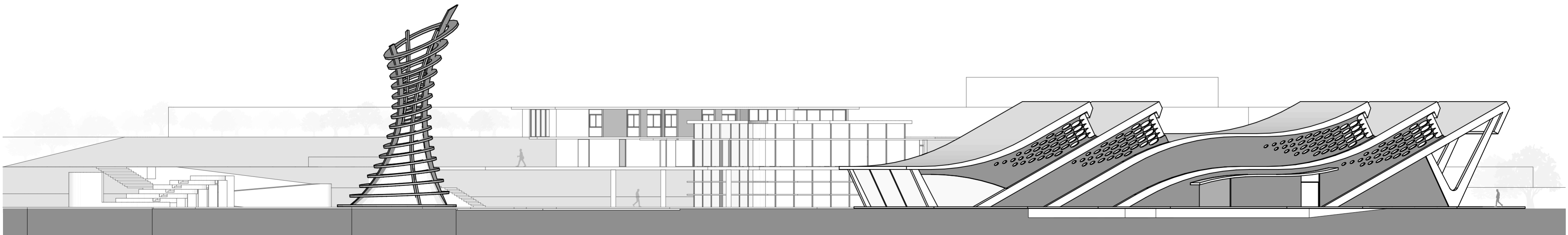
Visitor Experience

Visitors begin in the museum, exploring the mythology and history of the olive tree, before emerging into the factory to observe the production process. The experience concludes in a central hub with olive oil tasting, a boutique, and a restaurant.

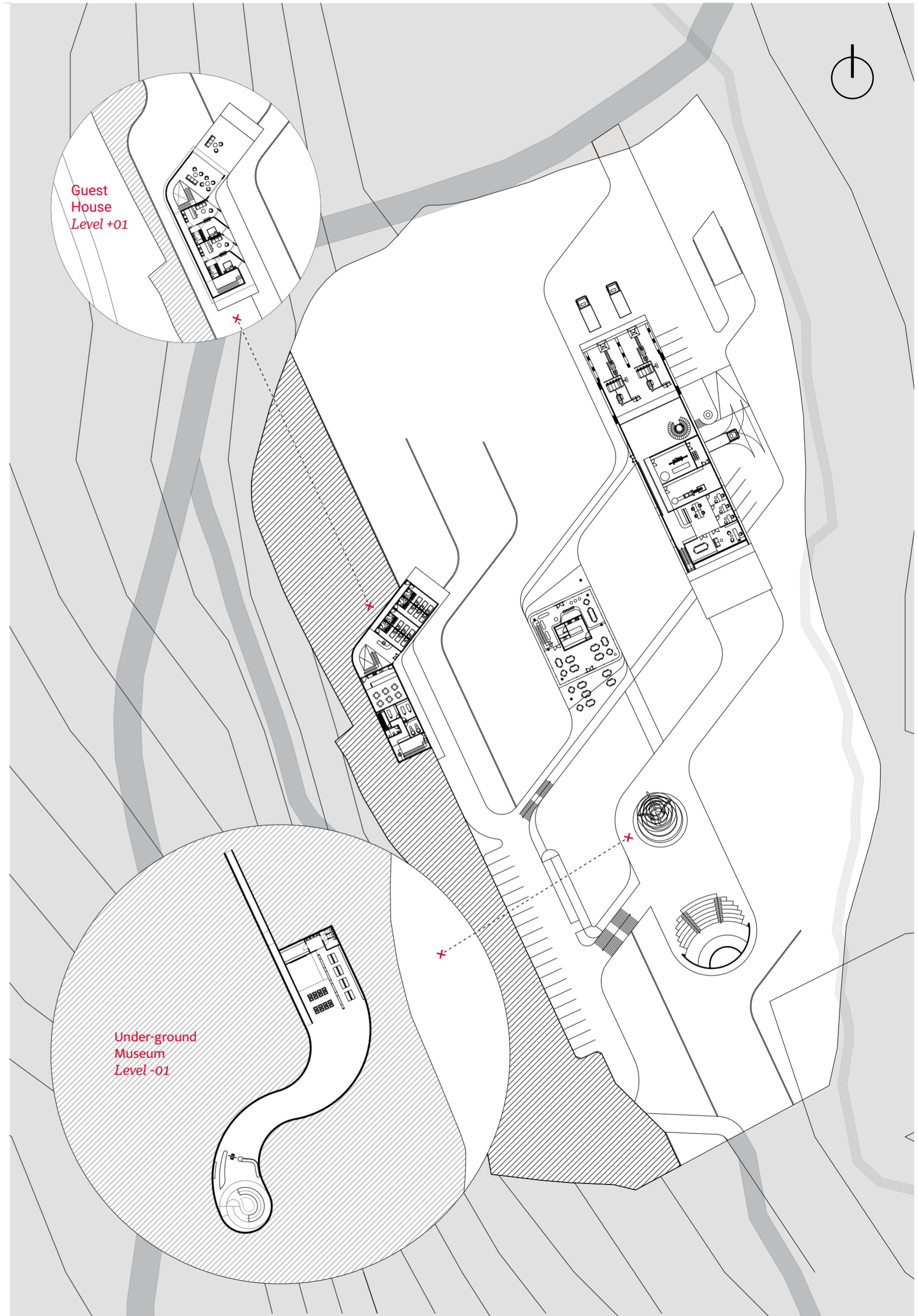


Circulation & Organization

Circulation follows the branching logic of the olive tree, forming an organized loop that guides visitors through the site and back to the point of entry.









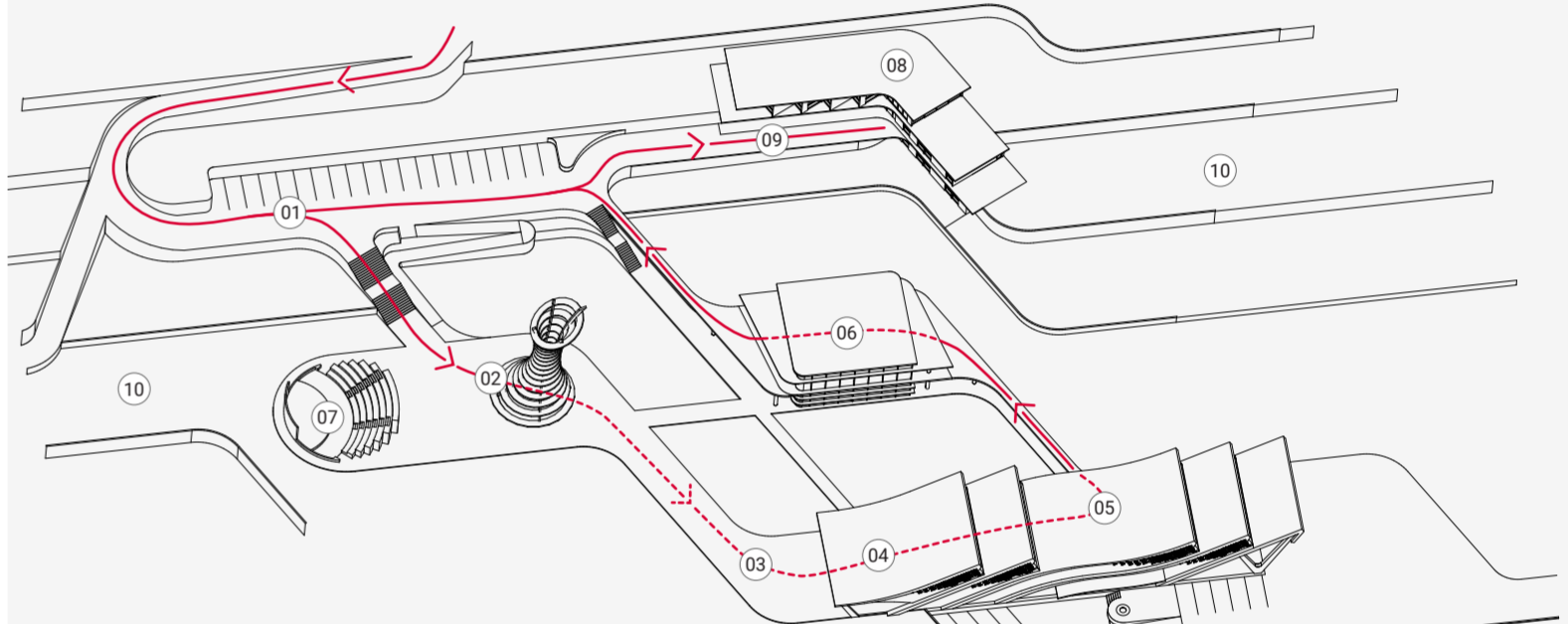
MOVEMENT STRATEGY

The visitor journey begins at a dedicated parking area, separated from the olive mill's operational and truck access to ensure smooth circulation. From there, visitors descend into the underground museum, symbolizing the planting of an olive seed beneath the soil.

The experience continues upward through a spatial sequence within the main volume, passing through a workshop and interactive museum, representing the seed's growth above ground. The journey reaches an observation deck overlooking the olive oil production process from a safe zone.

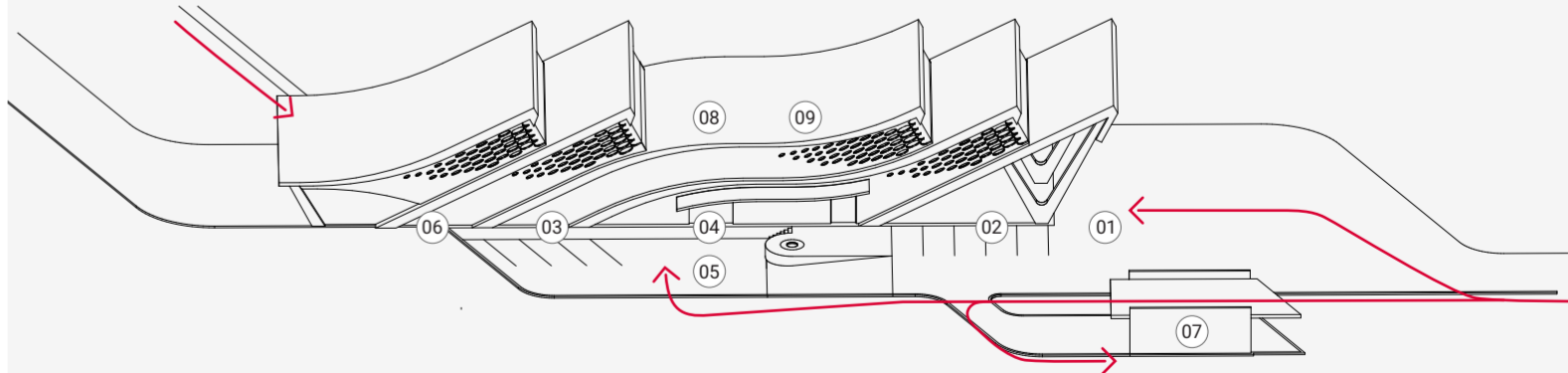
Visitors then cross a bridge to the tasting pavilion, shop, and restaurant, before returning to the parking area. From here, access is provided to the guest house and wellness center, which function as independent entities.

The entire sequence represents the journey of the olive seed—from planting to production—translated into architectural movement.



VISITORS

- 01 Parking Zone (Starting point)
- 02 Under-ground Museum
- 03 Interactive Museum & Workshop
- 04 Viewing Path
- 05 Observation Deck
- 06 Tasting Zone, Shop, Restaurant
- 07 Amphitheater
- 08 Guest House & Dorms
- 09 Wellness center
- 10 Olive grove



WORKERS & MILL

- 01 Drop-off point
- 02 Olive Oil Mill
- 03 Soap Factory
- 04 Packaging Zone
- 05 Loading Bay
- 06 Lockers & Break Area
- 07 Pomace Pellet Factory
- 08 Administration
- 09 Observation Deck

P05



P05

LIGHT UNDER THE SHADE KASHITU SECONDARY SCHOOL-ZAMBIA

Academic Project - Competition / Lebanese University

PROJECT DATA

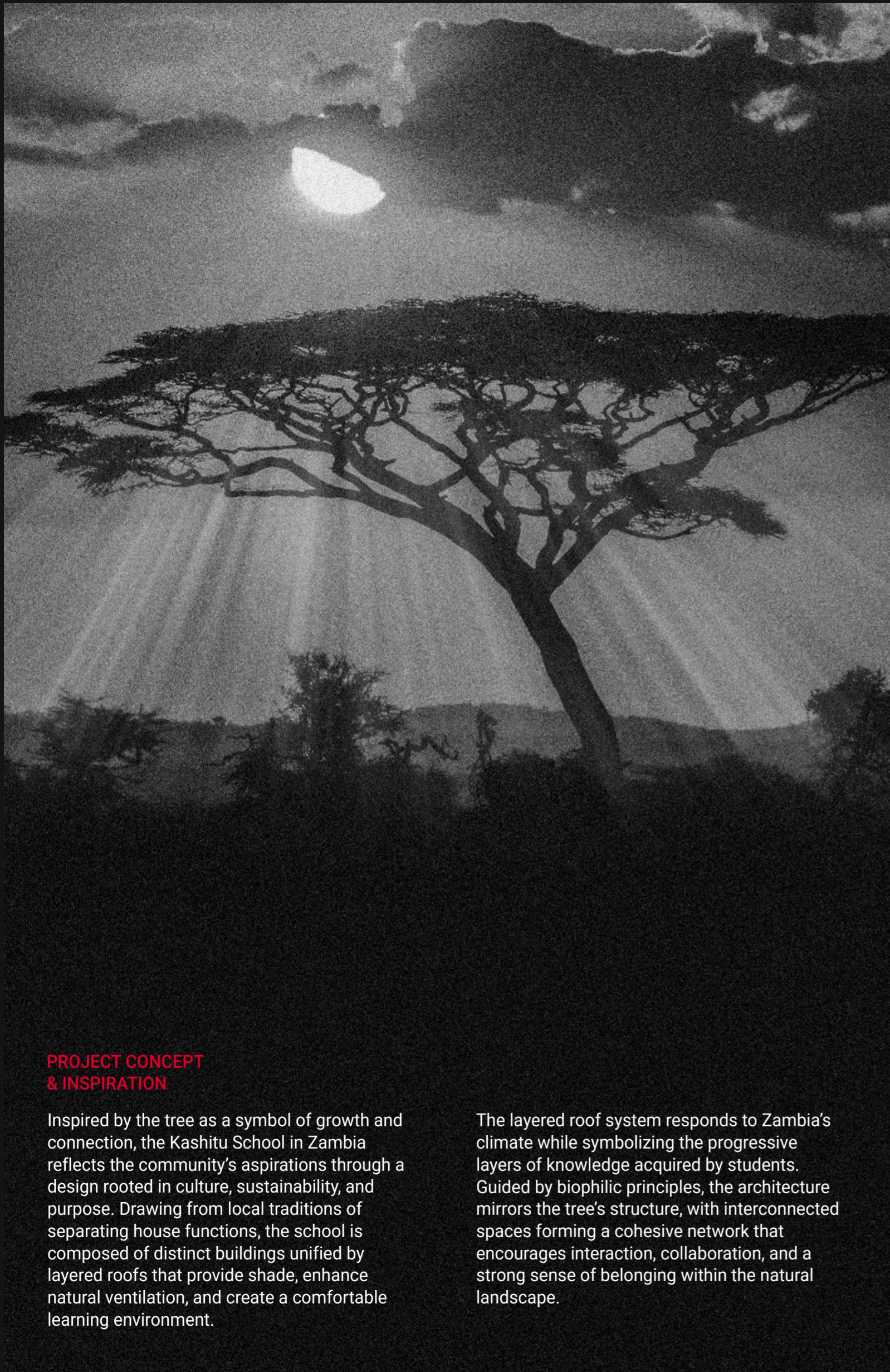
LOCATION: Kashitu, Central Province, Zambia

PLOT AREA: TOTAL: 104,818 m² / Phase 01: 63,606 m²

PROGRAM

- + 8 Classrooms for academic purposes
- + 3 Labs (biology, chemistry, physics)
- + 2 Workshop buildings for practical education (agriculture, cooking, tailoring, & metal fabrication, a workshop for bricklaying & carpentry was already constructed)
- + Student boarding facilities (Boys' & Girls' Dorms with Associated Facilities)
- + School kitchen with dining hall
- + Teachers' offices including meeting room
- + Sick bay with doctor's office
- + Toilets for the teachers & students
- + Watchman building with a front desk
- + Honey harvesting & beekeeping education unit
- + Multifunctional assembly hall with an outdoor assembly area
- + Parking spaces
- + Recreation areas for students (parks with benches, basketball & football playgrounds, outside gym, etc.)





PROJECT CONCEPT & INSPIRATION

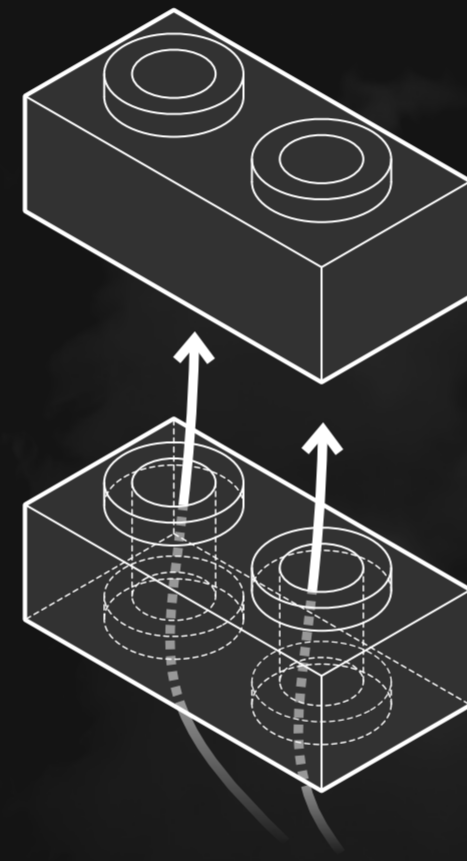
Inspired by the tree as a symbol of growth and connection, the Kashitu School in Zambia reflects the community's aspirations through a design rooted in culture, sustainability, and purpose. Drawing from local traditions of separating house functions, the school is composed of distinct buildings unified by layered roofs that provide shade, enhance natural ventilation, and create a comfortable learning environment.

The layered roof system responds to Zambia's climate while symbolizing the progressive layers of knowledge acquired by students. Guided by biophilic principles, the architecture mirrors the tree's structure, with interconnected spaces forming a cohesive network that encourages interaction, collaboration, and a strong sense of belonging within the natural landscape.

CLIMATE FORMS FORM

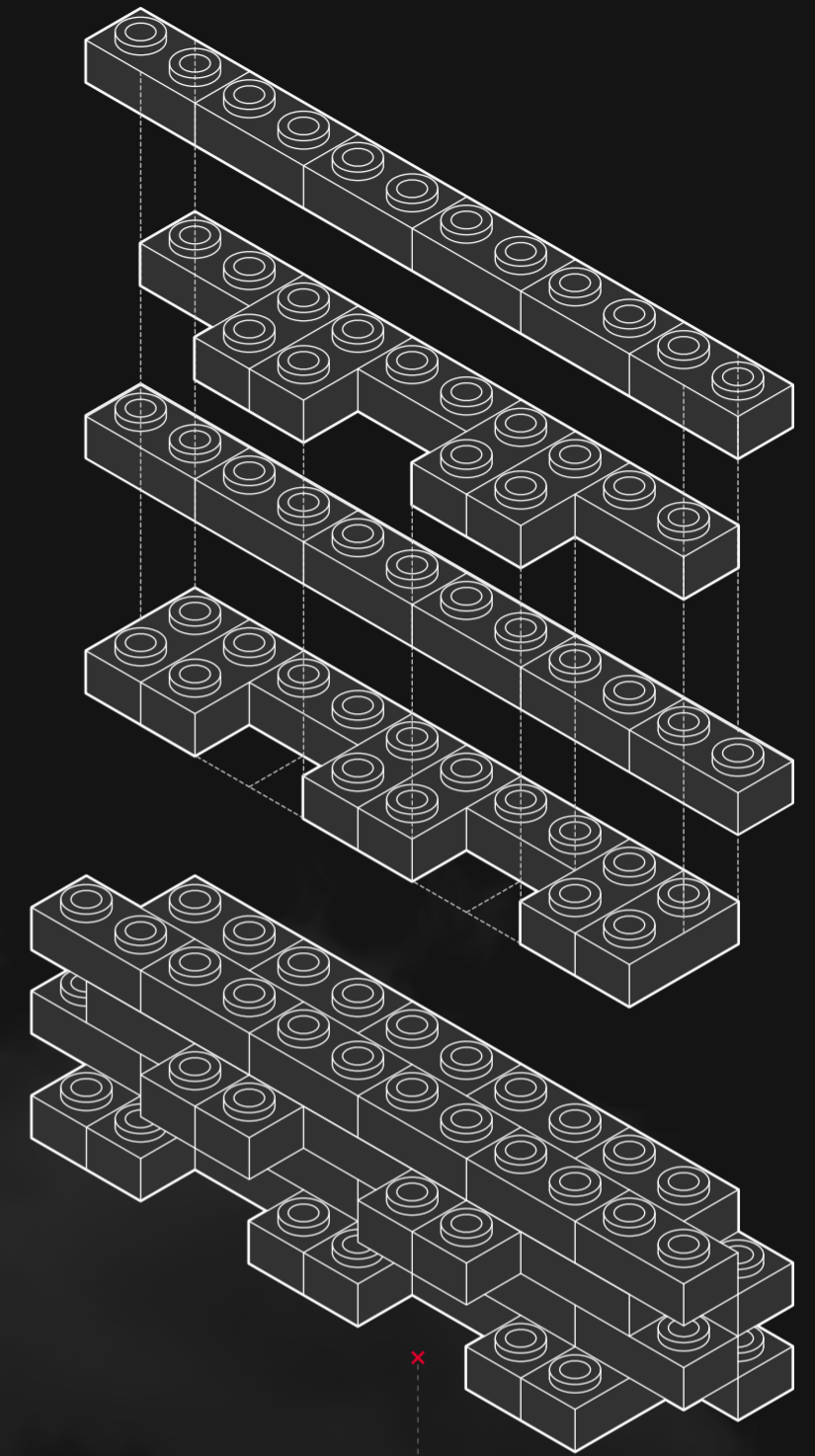
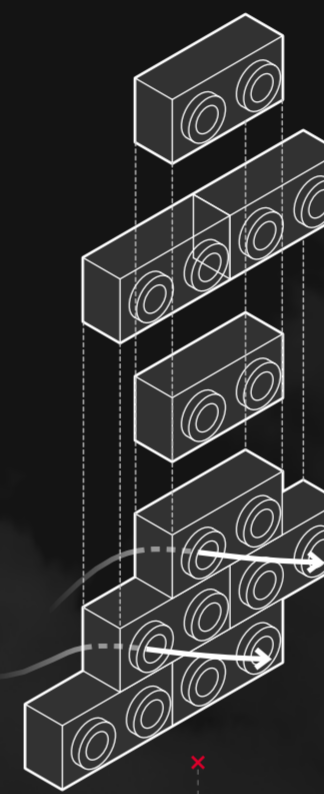
Light and Shadow

The competition-provided brick units become a central design driver, shaping the façades through an embossed self-shading geometry that reduces solar gain. The articulation of the brickwork creates depth and shadow, allowing the envelope to respond to climate while reinforcing the project's material identity.



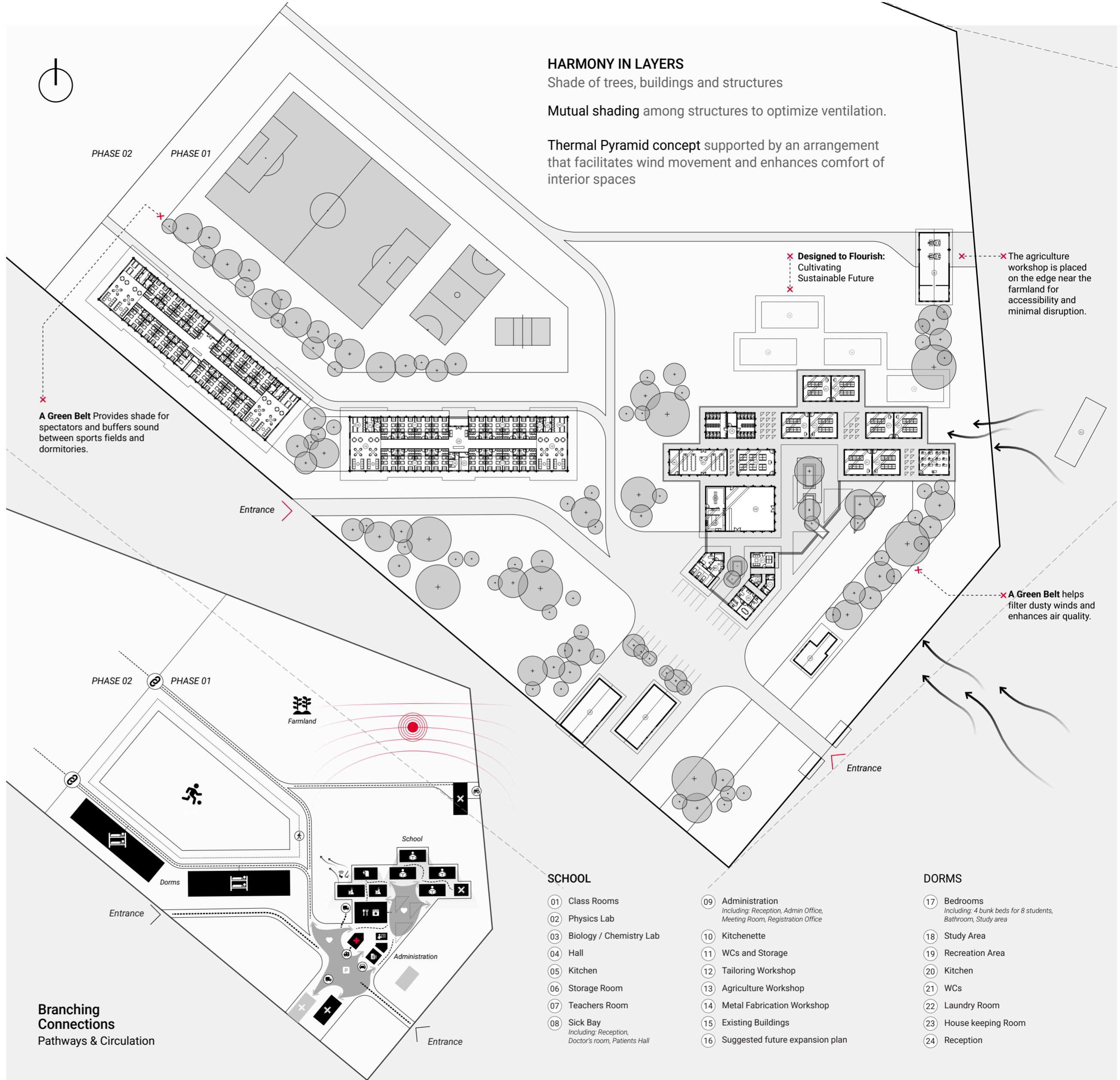
Air in Motion

At roof level, the same units are reimagined as a ventilated claustra. Acting as a heat prism, this element enhances air movement and supports passive cooling, demonstrating how a single material system can be adapted across the building to achieve environmental performance through architectural expression.



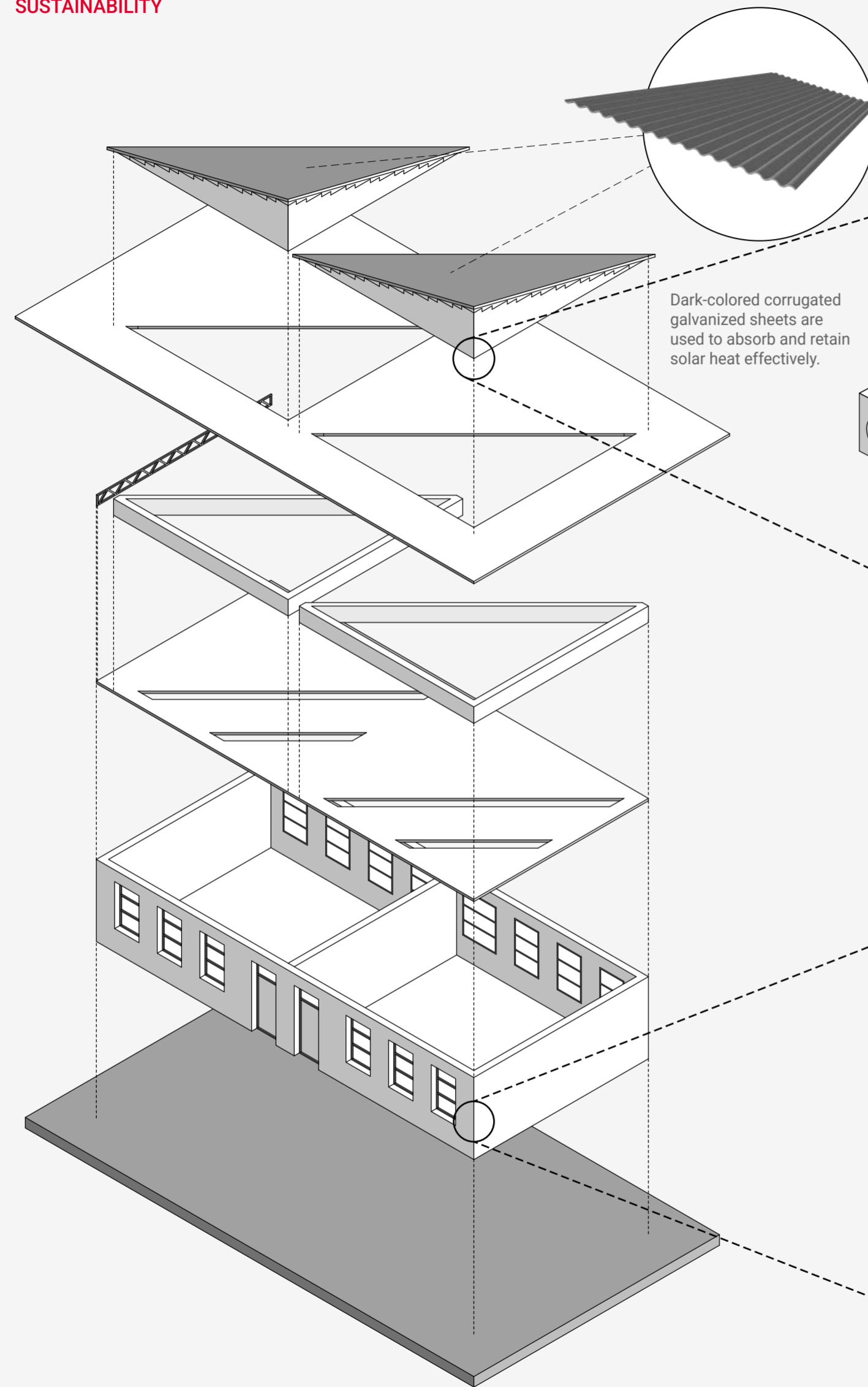


LIGHT UNDER THE SHADE

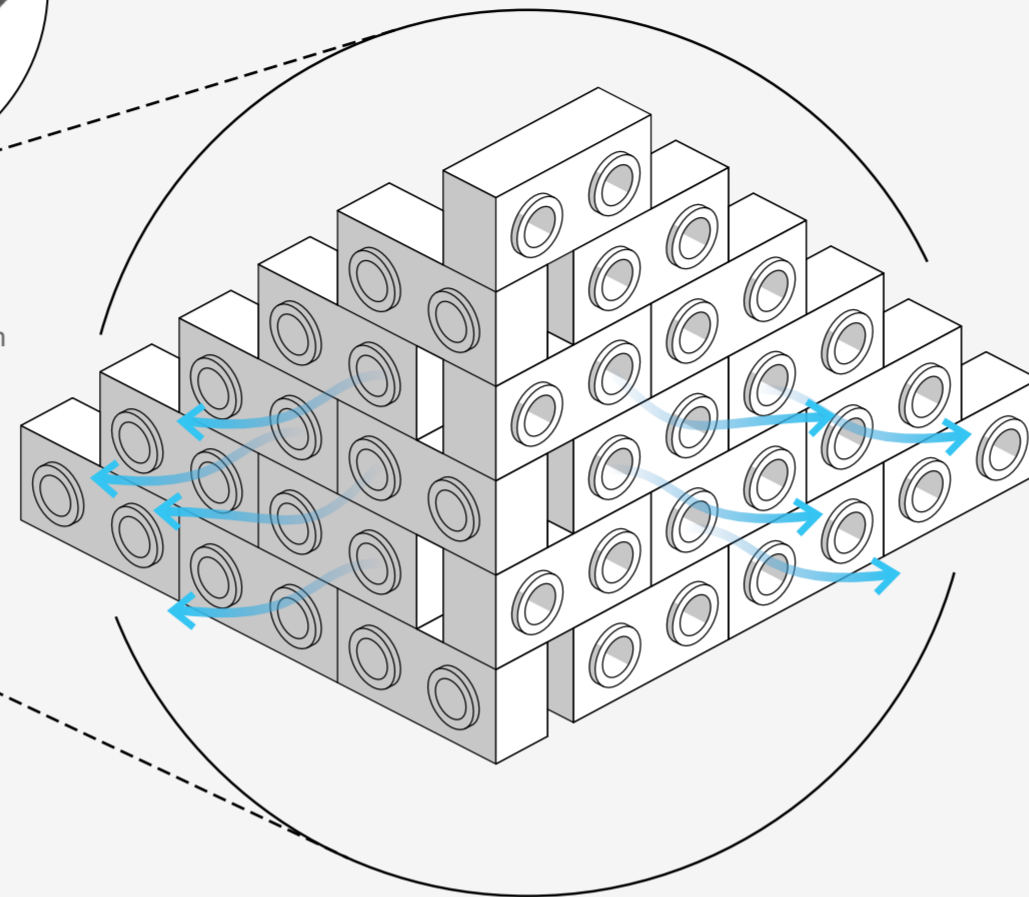


PLANS / FUNCTIONS DISTRIBUTION

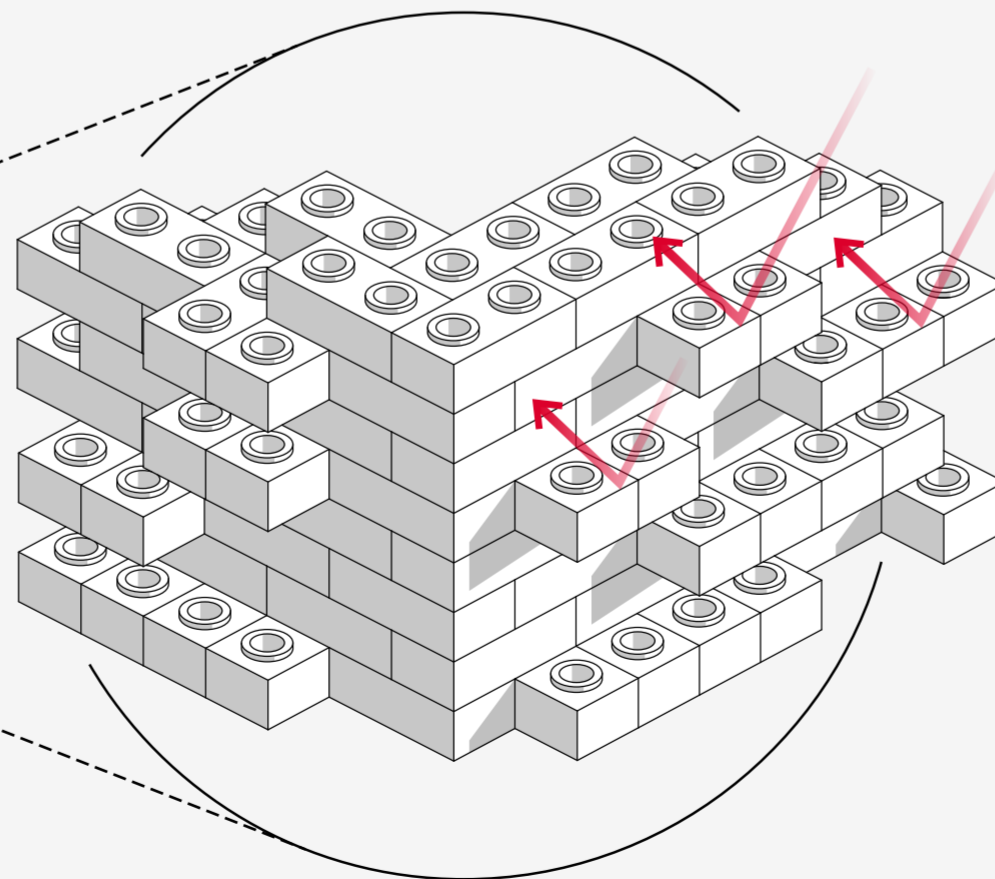
ELEMENTS OF SUSTAINABILITY



Claustra openings, crafted using ICEB blocks, facilitate natural airflow while enhancing the building's aesthetic appeal.



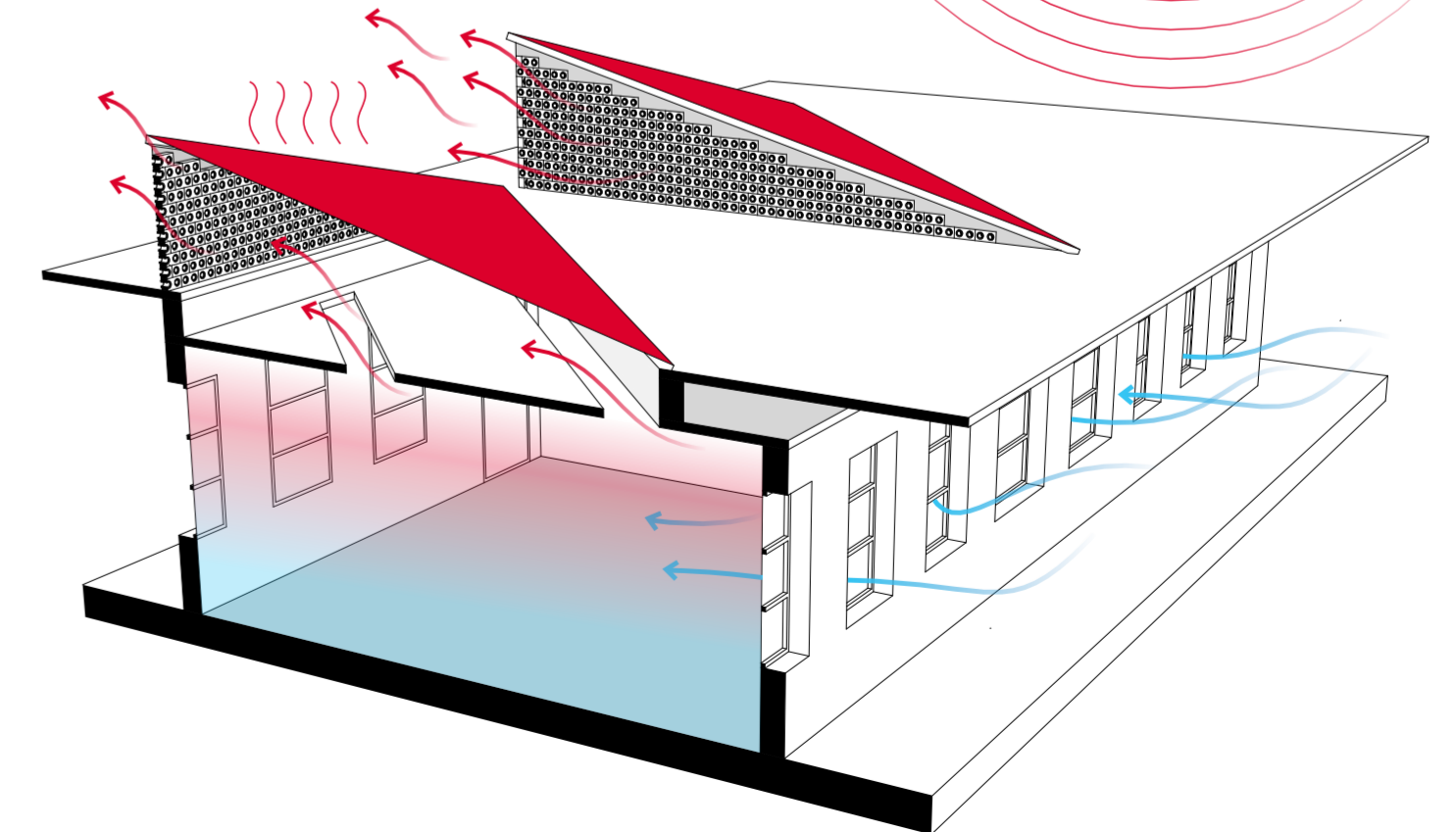
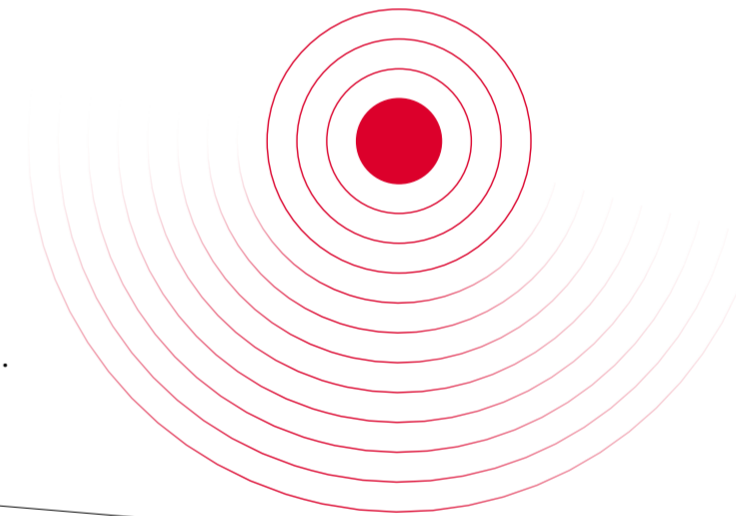
Embossed patterns created with ICEB blocks form an additional shading layer, reducing sunlight exposure and casting protective shadows on the walls



the roof is designed to function as a **thermal prism**, capturing and absorbing heat from direct sunlight.

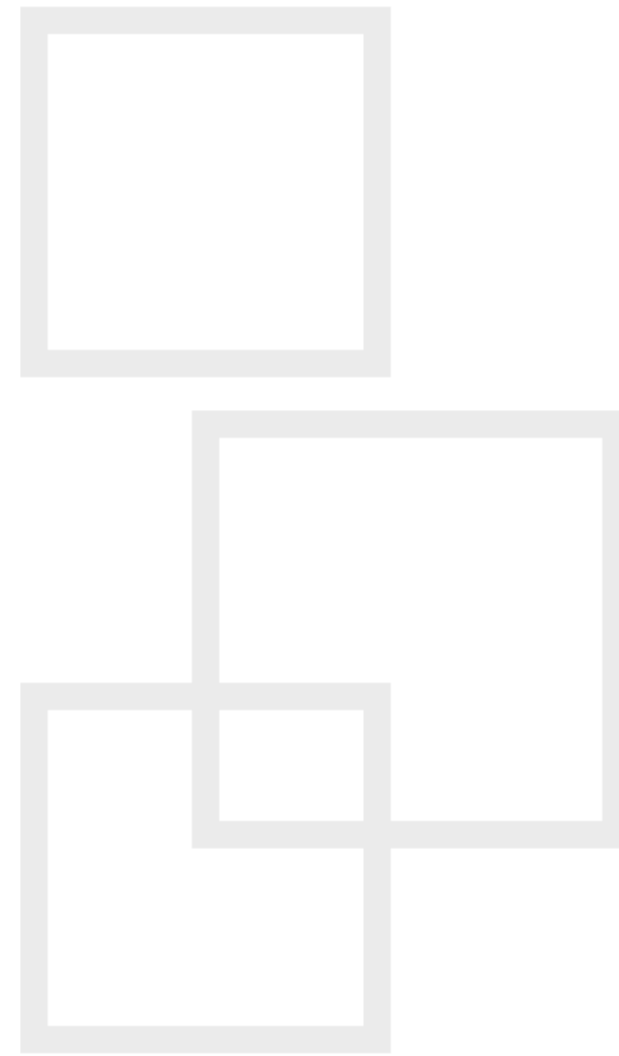
As the heated air rises and escapes through the **ICEB claustra**, it generates a natural suction effect that actively draws fresh, cool air into the interior.

This passive ventilation system efficiently cools and refreshes the space, ensuring a comfortable indoor environment without the need for mechanical cooling.





P06



P06

LEBANESE UNIVERSITY FANAR CAMPUS EXTENSION

Academic Project - Competition / Lebanese University



PROJECT DATA

LOCATION: Fanar, Mount Lebanon, Lebanon

PLOT AREA: 22,400 m²

PROGRAM

Sociology Building

- + 26 Classrooms / ~40 prs.
- + Auditorium: 2 / 72 prs.
- + Library
- + Computer room
- + Teacher's rooms
- + Lobby
- + Administrative offices
- + Meeting rooms
- + Storage spaces

Common Spaces

- + Cafeteria
- + Underground parkings 133 cars
- + Amphitheater
- + Agoras
- + Water tank
- + Security / Control room

Publicity Building

- + 14 Classrooms / ~40 prs.
- + Photography room
- + Computer room
- + Studio
- + Library
- + Teacher's rooms
- + Lobby
- + Administrative offices
- + Meeting rooms
- + Storage spaces

Dorms

- + 212 units / 424 students
- + GYM
- + Laundry
- + Facilities
- + Storage



PROJECT CONCEPT
& INSPIRATION

Car entrance & drop off area

FANAR MAIN ROAD
Students main drop off
(Buses or Taxi)

FACULTY
OF SCIENCE
Existing building

FACULTY
OF PUBLIC
HEALTH
Planned building



The project extends the existing Brutalist campus designed by Pierre El Khoury, responding to its bold war-era identity with a softer and more fluid architectural language. Rather than competing with the original structure, the intervention complements it – maintaining its presence while introducing a contemporary layer that refines its rigidity.

The new layout follows and aligns with the existing campus grid, ensuring continuity and coherence within the site. Organized along primary circulation axes, the project connects all campus zones through active corridors that promote movement, interaction, and exchange between faculties, reinforcing the campus as a unified academic environment.

FUNCTIONS DIAGRAM

EXISTING BLDG.

The existing façade is adapted to align with the project, while the roof playground is integrated & covered, unifying form & function.

EXISTING BLDG.

SOCIOLOGY CAMPUS

AMPHITHEATER
UNDERGROUND PARKING

CAFETERIA

PUBLICITY CAMPUS

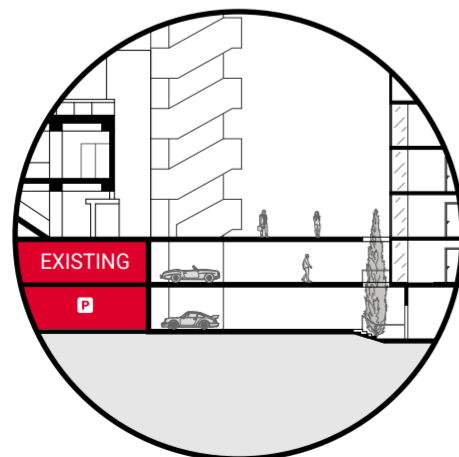
STUDENT DORMS / BOYS

STUDENT DORMS / GIRLS

MAIN PLATFORM / UNDER-GROUND PARKING

The underground parking reinterprets the campus's original structural intent, completing the levels envisioned in the initial master plan. Instead of backfilling to reach the planned platform level, the underground floor is activated as parking infrastructure, transforming unused space into functional capacity.

This intervention forms the foundation of the new campus development — preserving the existing fabric, strengthening its operational framework, and enabling the contemporary extension to emerge coherently from its structural and spatial base.



FACULTY OF SCIENCE

Existing Building

FACULTY OF PUBLIC HEALTH

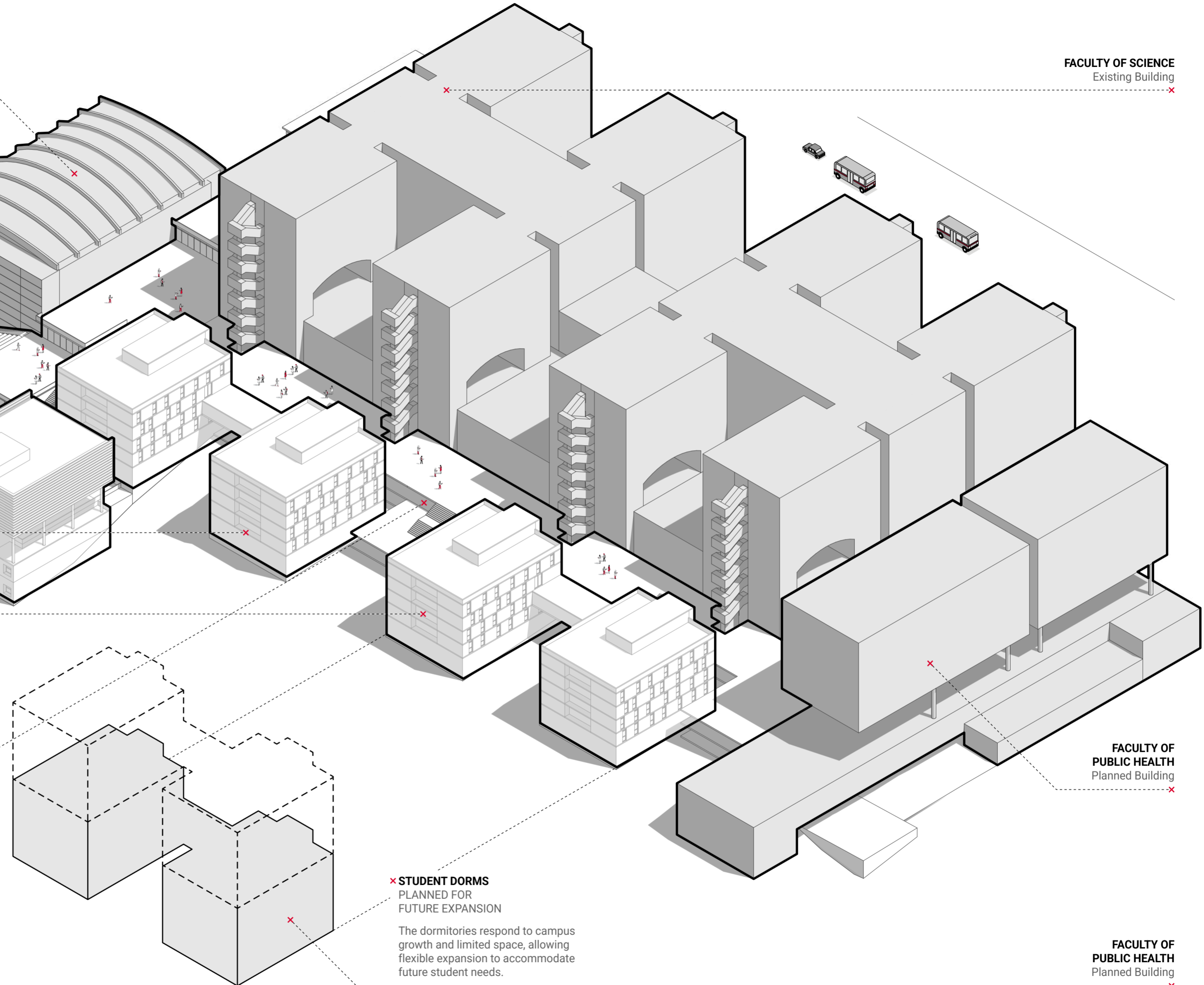
Planned Building

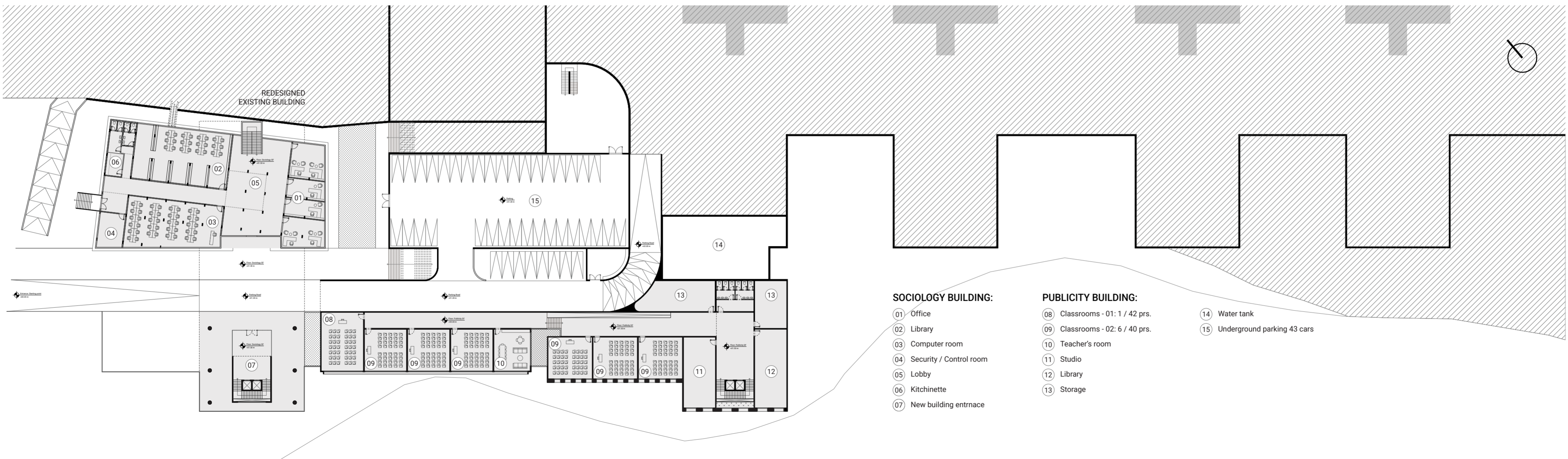
FACULTY OF PUBLIC HEALTH

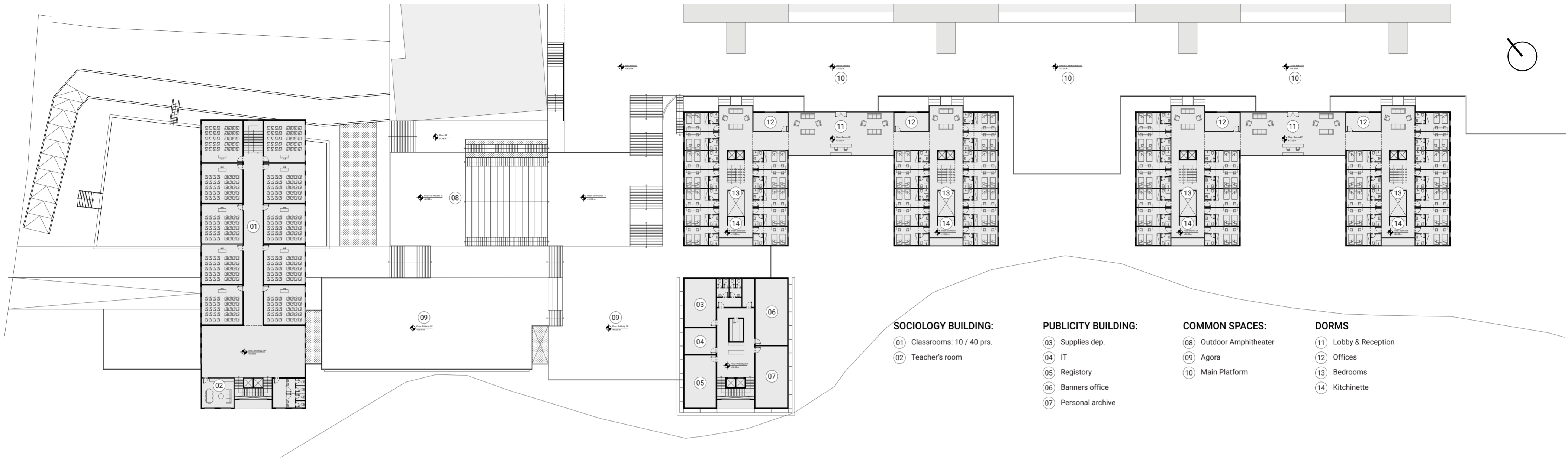
Planned Building

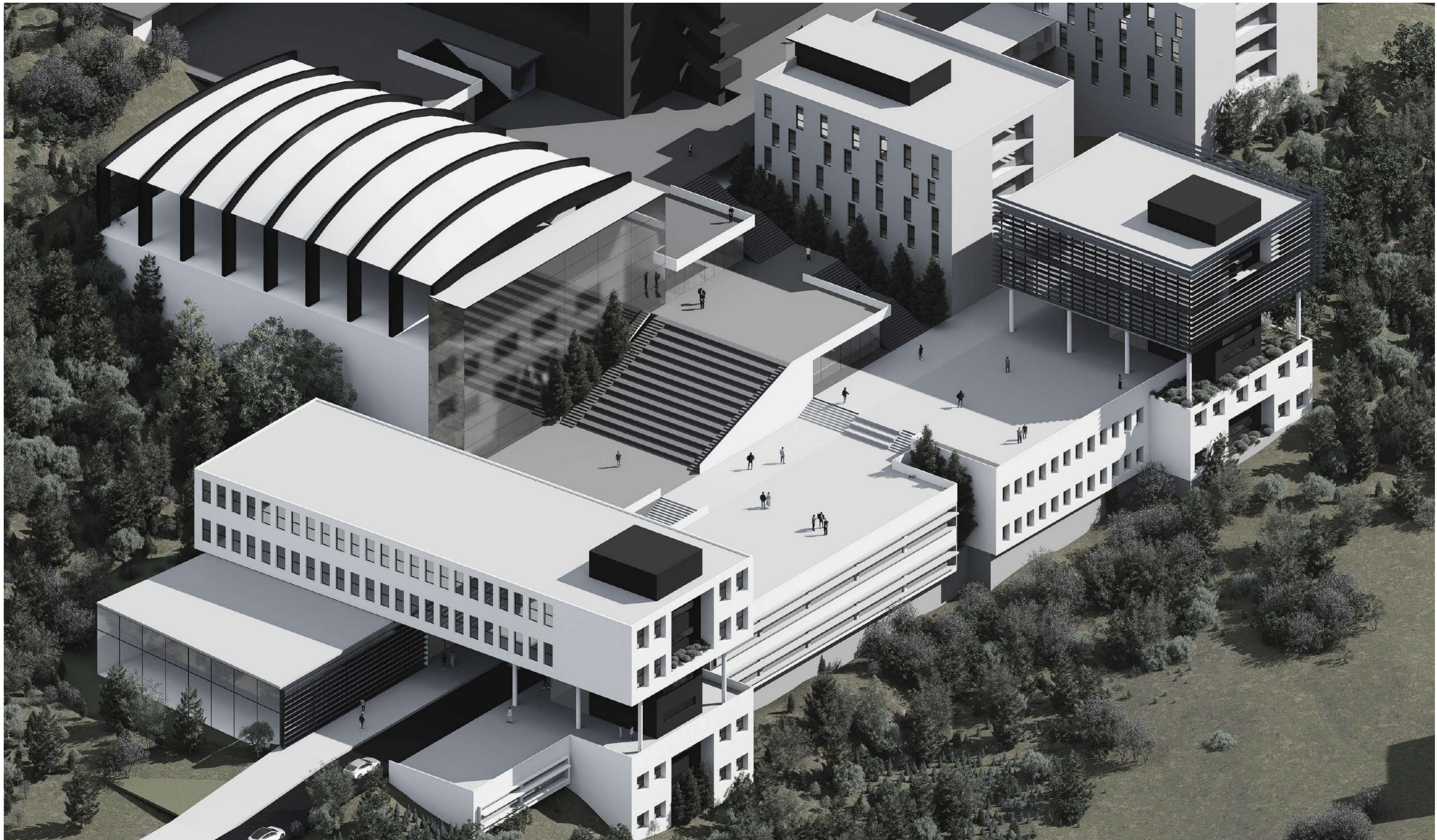
STUDENT DORMS PLANNED FOR FUTURE EXPANSION

The dormitories respond to campus growth and limited space, allowing flexible expansion to accommodate future student needs.





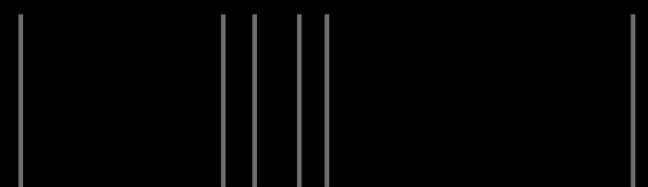




Thank you..!



see you soon



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