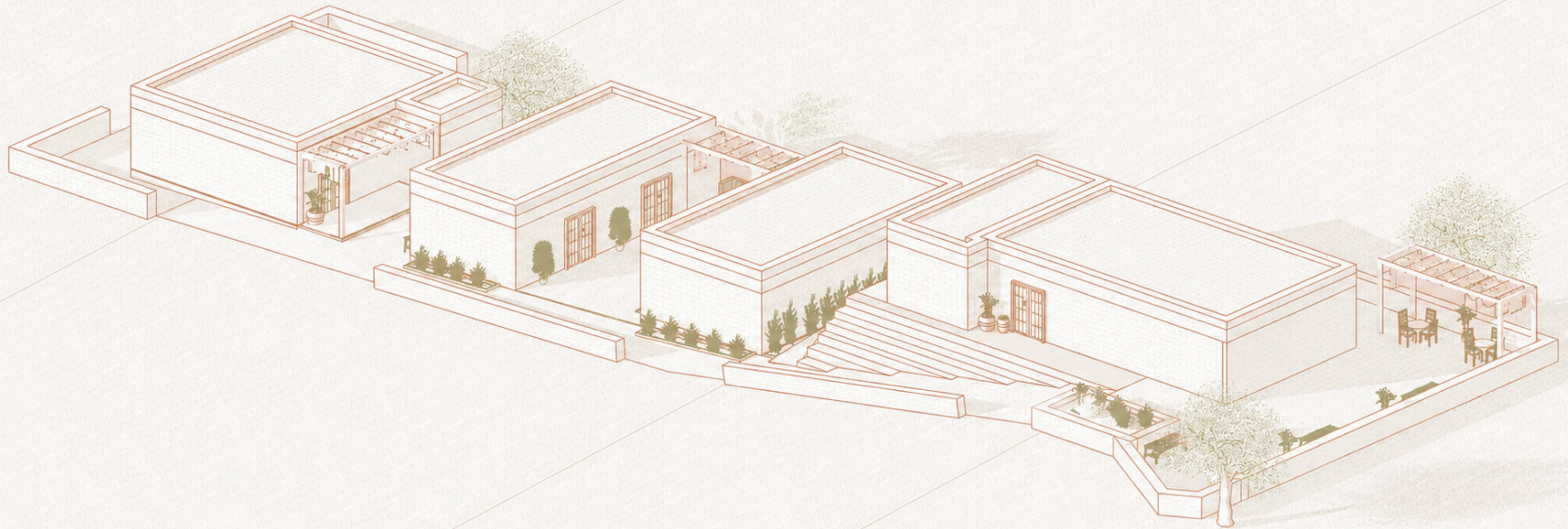


Community Health and Reconstruction Center in the Moroccan High Atlas

B R E A T H O F  
T H E E A R T H

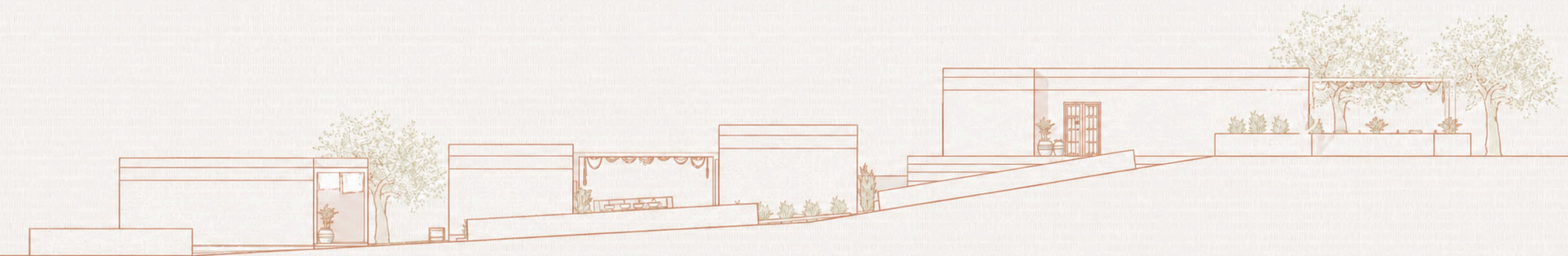


Reconstruction does not begin when a building is erected, but when a community is able to recognize itself once again in the land it inhabits.

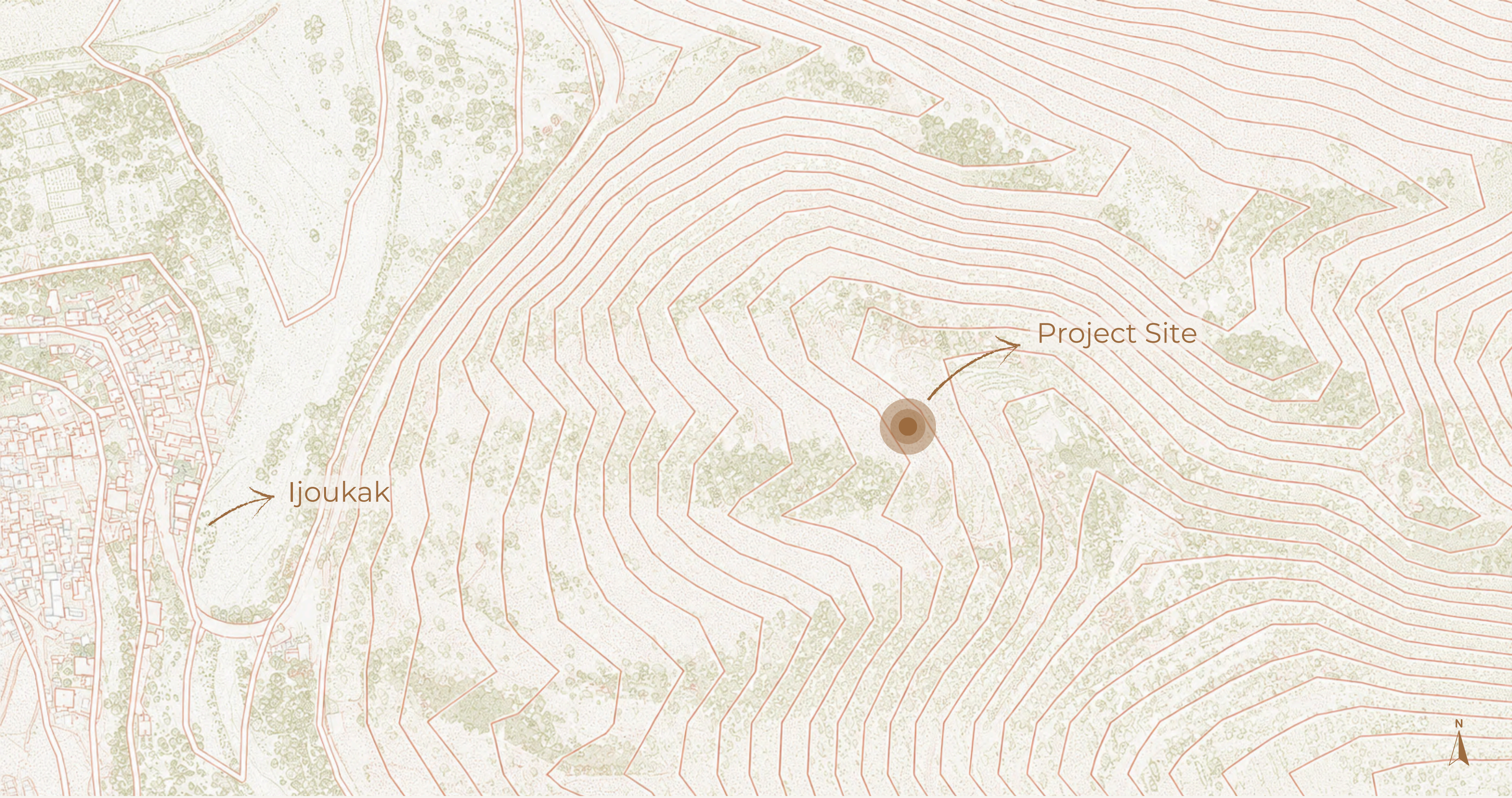


B R E A T H   O F  
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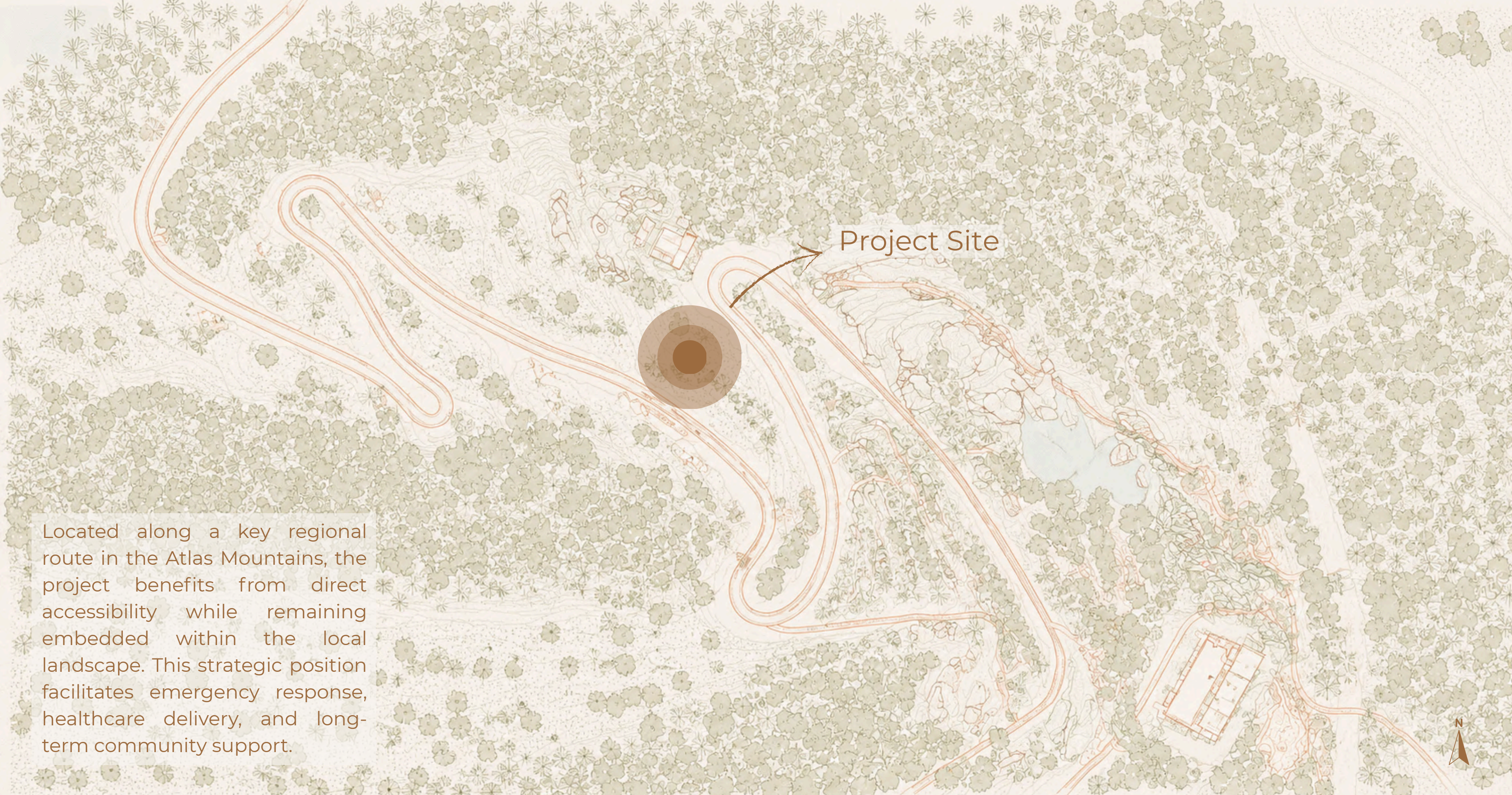
Breath Of The Earth proposes a new approach to post-earthquake reconstruction in the Moroccan High Atlas. By integrating vernacular rammed-earth construction techniques with contemporary seismic resilience strategies, the project transforms healthcare infrastructure into a space for healing, gathering, and community empowerment. More than rebuilding structures, the proposal seeks to restore the bonds between people, place, and culture.





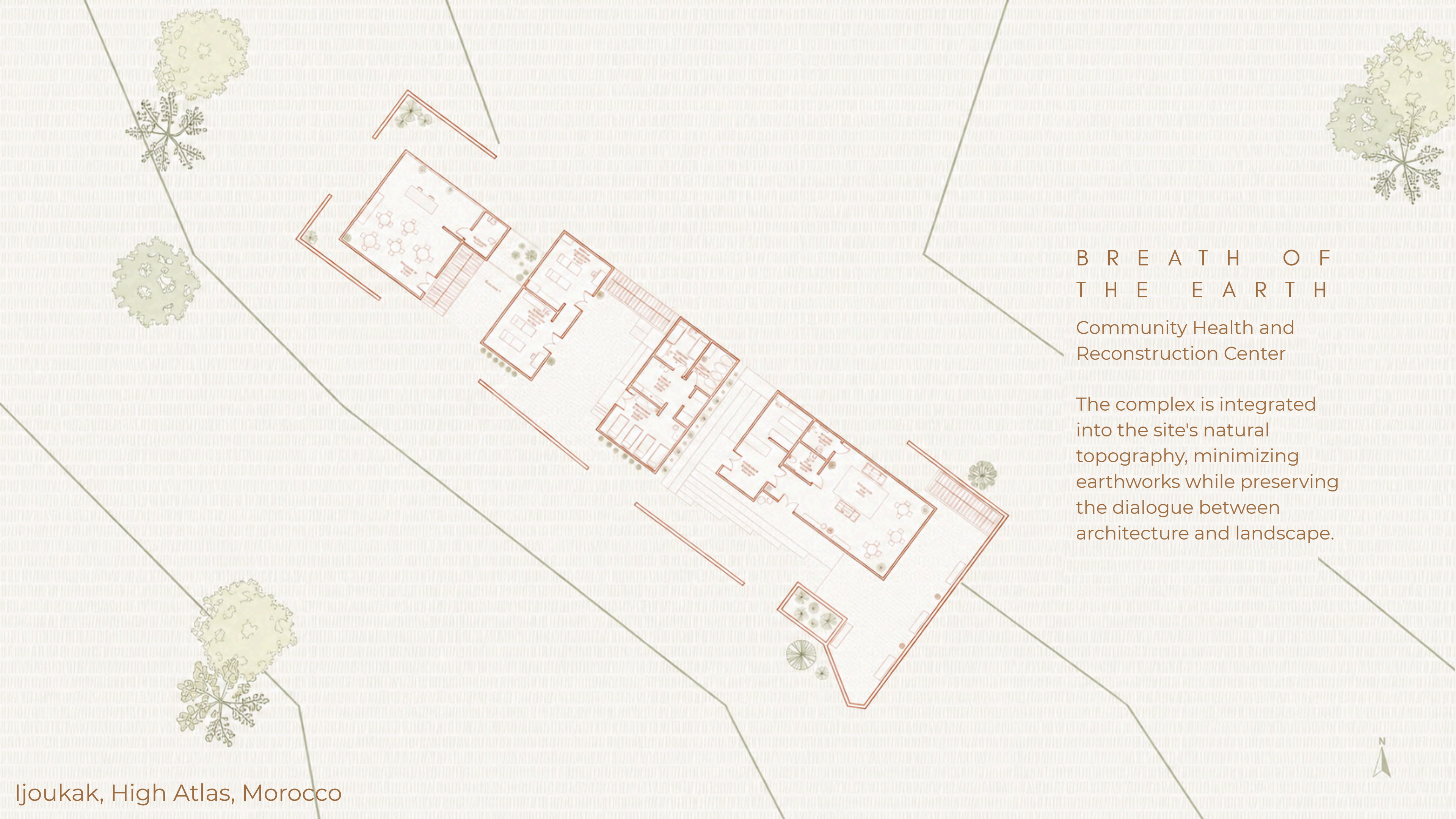


Ijoukak, High Atlas, Morocco



Project Site

Located along a key regional route in the Atlas Mountains, the project benefits from direct accessibility while remaining embedded within the local landscape. This strategic position facilitates emergency response, healthcare delivery, and long-term community support.



B R E A T H O F  
T H E E A R T H

Community Health and  
Reconstruction Center

The complex is integrated  
into the site's natural  
topography, minimizing  
earthworks while preserving  
the dialogue between  
architecture and landscape.

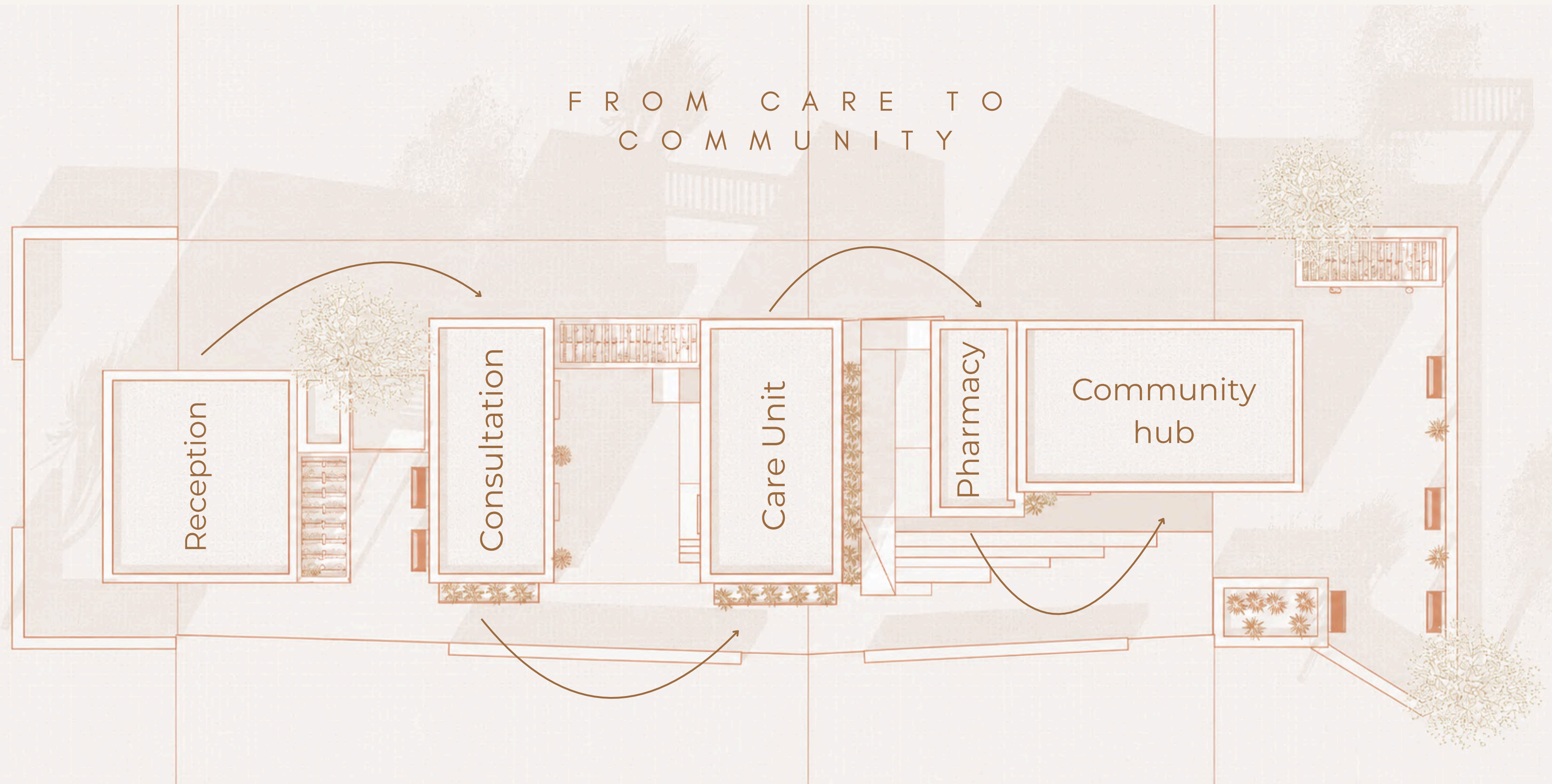
Ijoukak, High Atlas, Morocco



The project is organized as a linear sequence of healthcare units interconnected by three landscaped courtyards that structure circulation, promote natural ventilation, and strengthen the relationship between architecture and landscape. Access begins at the reception and triage area, followed by medical consultation rooms and observation and recovery spaces, including dedicated areas for maternal and child healthcare, neonatal care, and clinical support. A pharmacy and support services complement the healthcare infrastructure, ensuring the facility's operational autonomy.

At the end of the complex, the Community Wing extends the clinic's role beyond medical care, providing spaces dedicated to training, social interaction, and the strengthening of community ties. The courtyards function as extensions of the interior spaces, creating areas for reflection, rest, and gathering, where physical and emotional recovery takes place in close connection with local culture and the landscape of the High Atlas.

FROM CARE TO  
COMMUNITY



A progressive journey from healthcare, recovery and community reintegration.



H E A L I N G  
J O U R N E Y



R E C E P T I O N  
A N D T R I A G E



C O N S U L T A T I O N



OBSERVATION &  
RECOVERY ROOM



CLINICAL SUPPORT  
AREA





COMMUNITY  
HUB

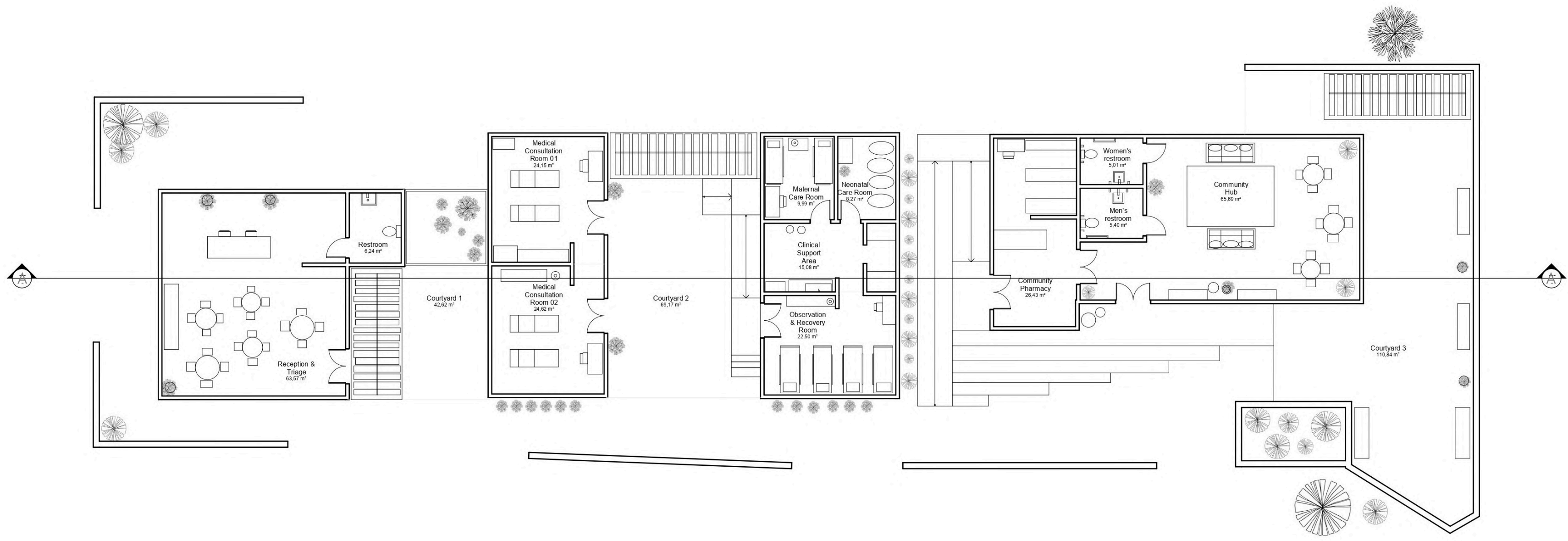
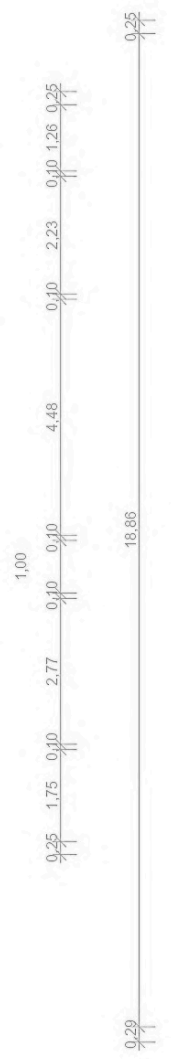
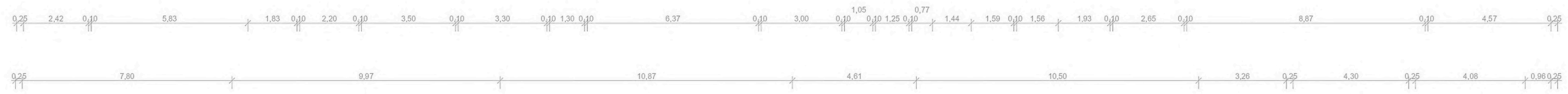




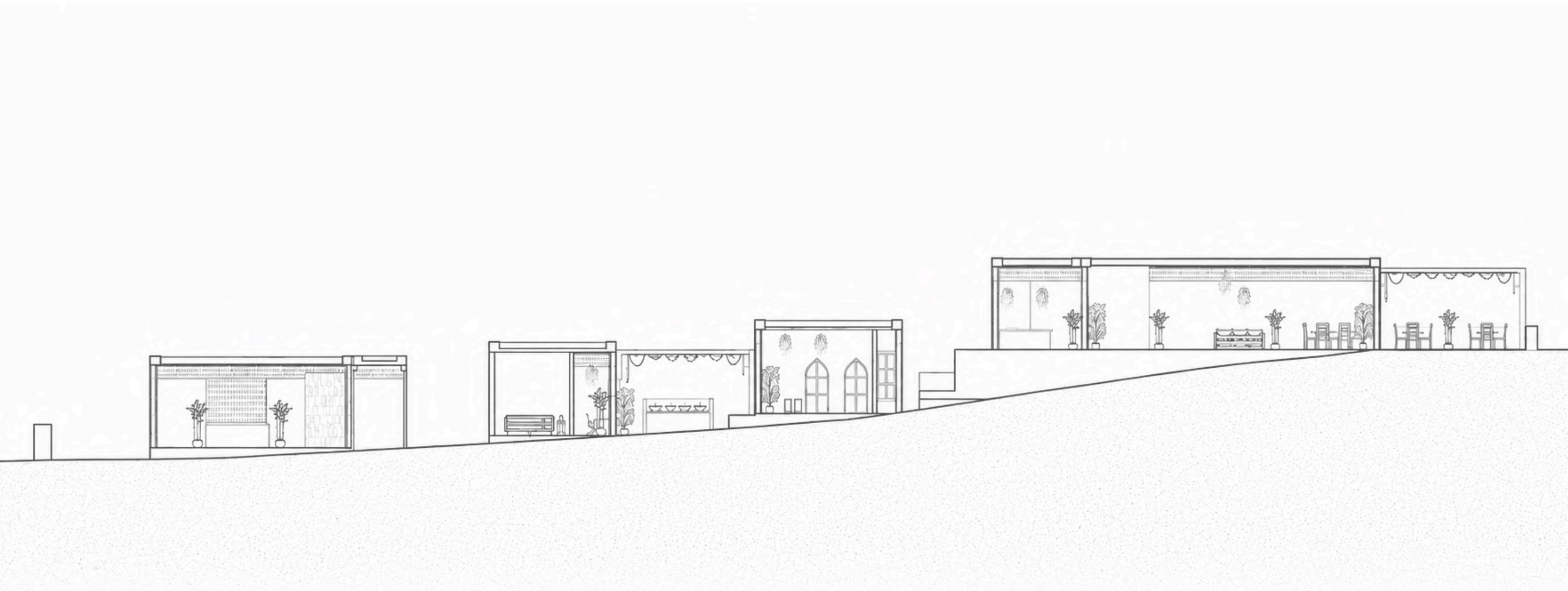
COURTYARD /  
COMMUNITY HUB




Rather than concentrating healthcare functions within a single building, the project adopts the logic of a village. Independent volumes are connected through courtyards and outdoor pathways, transforming movement into an experience of healing, encounter and connection with nature.



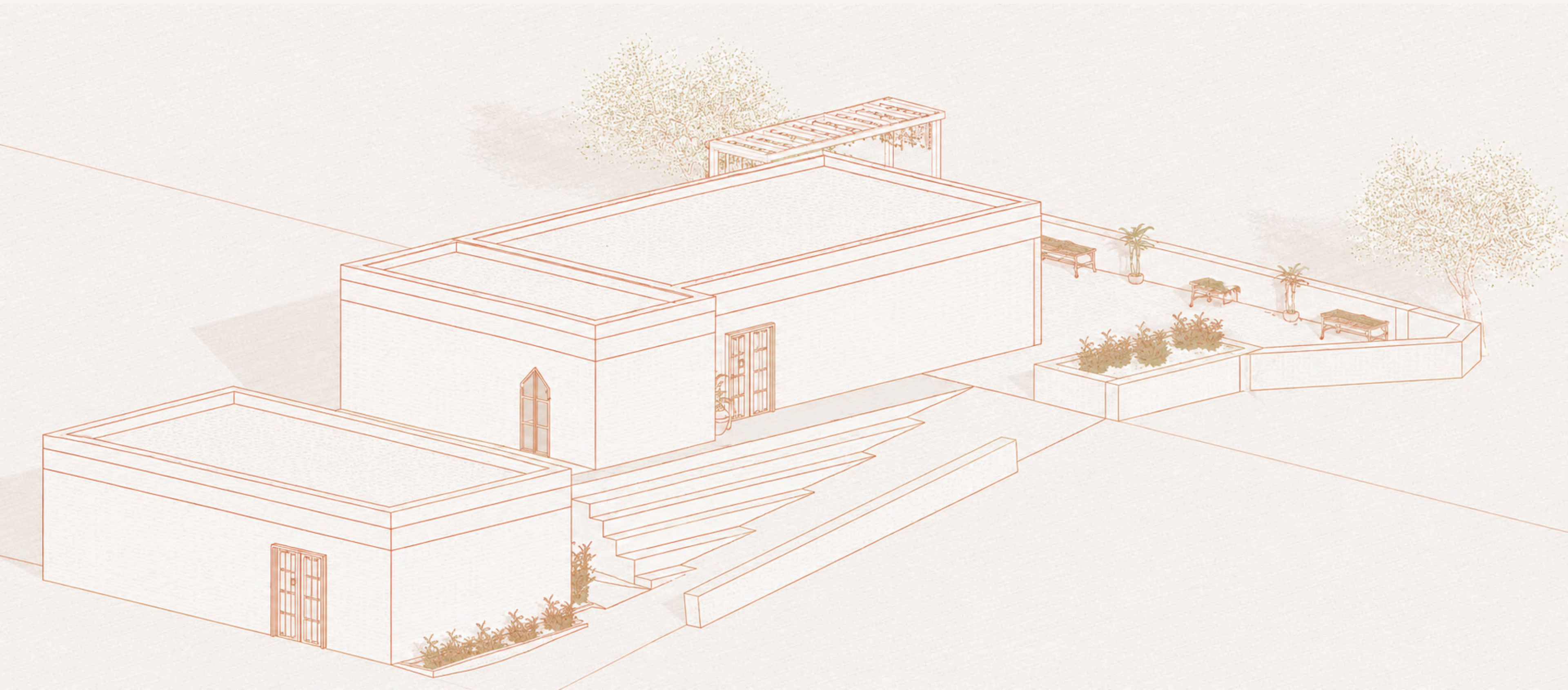
FLOOR PLAN



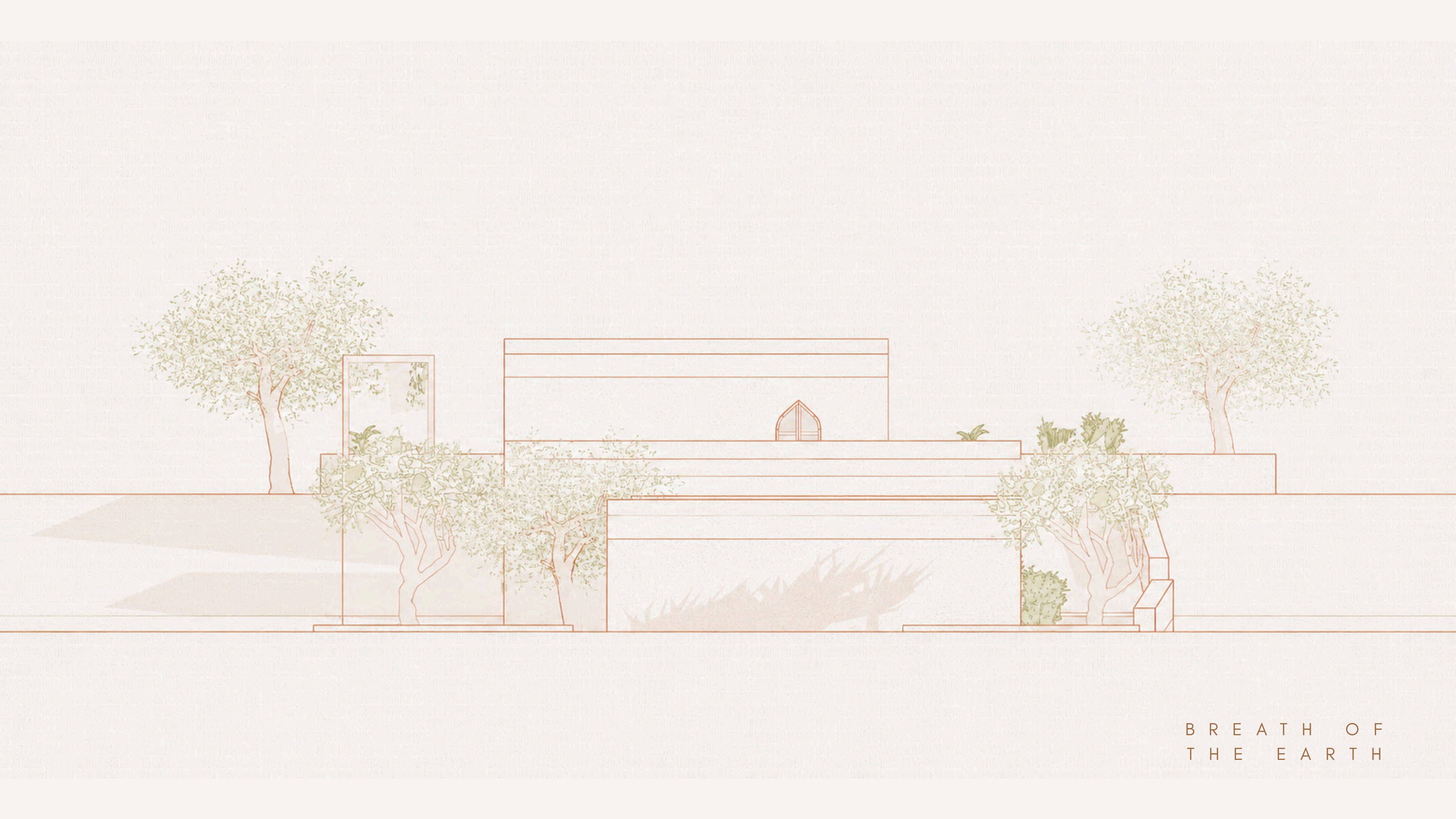
SECTION A - A



The same earth that crumbled during the earthquake becomes the foundation for rebuilding the community.



B R E A T H   O F  
T H E   E A R T H



B R E A T H   O F  
T H E   E A R T H



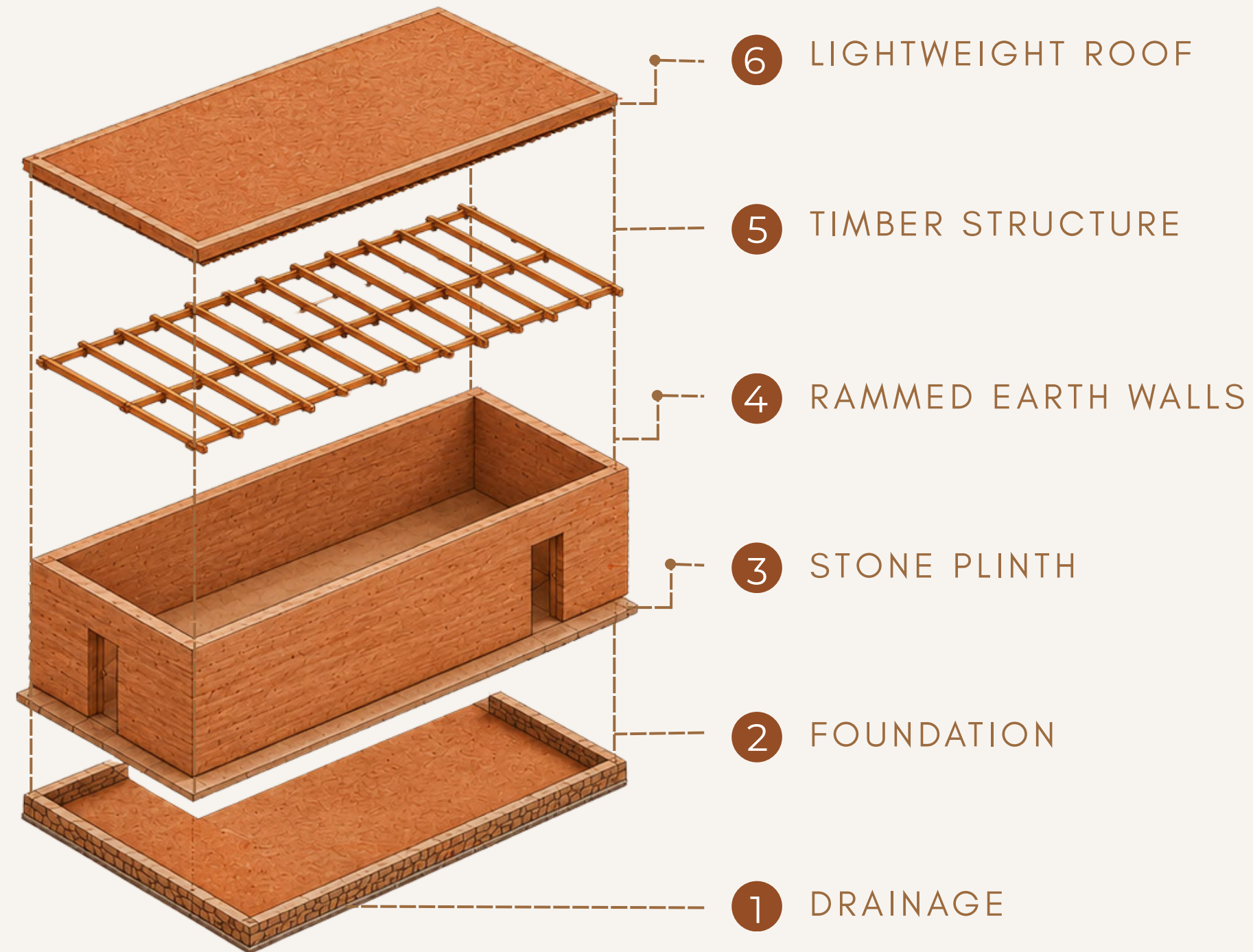
B R E A T H   O F  
T H E   E A R T H

Image used for local architectural context generated by AI.

# TRADITIONAL MOROCCAN ARCHITECTURE



# FROM EARTH TO RESILIENCE



6 A gravel layer protects the waterproof membrane over thermal insulation and a bamboo mat. Finished with stabilized earth or rolled gravel, ensuring thermal comfort and roof protection.

5 Locally sourced treated timber beams and joists with metal connections. Lightweight and flexible, improving seismic performance.

4 Walls 25 - 35 cm thick provide thermal mass, comfort, and durability. The earth is sourced directly from the site.

3 The stone base elevates and protects the rammed-earth walls from ground moisture. Finished with lime mortar.

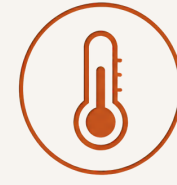
2 Reinforced concrete strip footings with seismic tie beams distribute loads and improve structural stability.

1 A gravel layer and perimeter drainage prevent water accumulation and foundation moisture.

# FROM EARTH TO RESILIENCE

## CONSTRUCTION SYSTEM

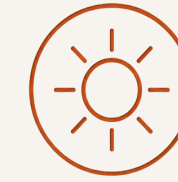
The project employs vernacular building techniques adapted to contemporary seismic requirements, combining local materials, regional labor, and passive environmental comfort strategies.



**THERMAL COMFORT**  
The thermal mass of rammed earth keeps interiors cool during summer and protected during winter.



**NATURAL VENTILATION**  
Courtyards and strategically placed openings promote continuous cross-ventilation.

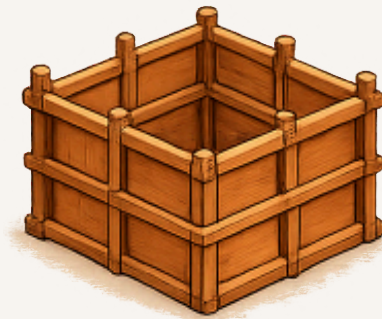


**DIFFUSED DAYLIGHT**  
Courtyards and high-level openings provide soft, comfortable natural lighting.



**LOCAL MATERIALS**  
The use of locally available materials reduces environmental impact and strengthens the regional economy.

## CONSTRUCTION PHASES



**01. EARTH PREPARATION**  
Local soil is mixed with a small amount of water and gravel.

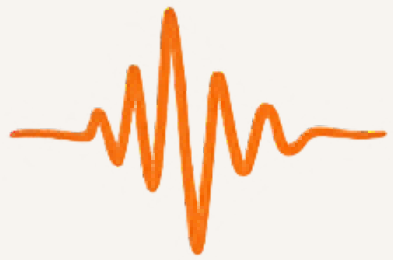
**02. FORMWORK**  
Wooden formwork is assembled to define the wall thickness.

**03. RAMMING**  
The earth is compacted in layers of 10–15 cm using manual or mechanical rammers.

**04. WALL CONSTRUCTION**  
After removing the formwork, the rammed-earth wall remains exposed and ready for finishing.

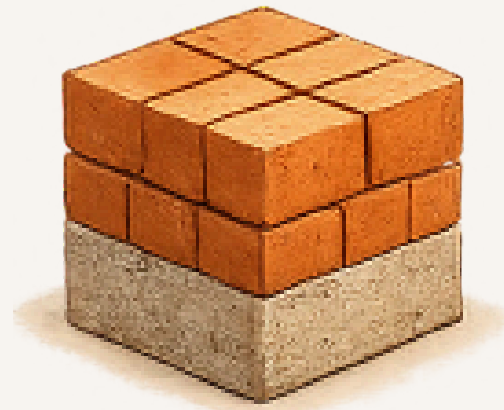
**05. ROOF ASSEMBLY**  
Lightweight timber structure with waterproof membrane and compacted earth or rolled gravel finish.

# FROM EARTH TO RESILIENCE



## SEISMIC RESISTANCE

A lightweight and flexible system designed to perform effectively under seismic forces.



## TIMBER OR CONCRETE TIE BEAMS

Distribute structural loads and improve overall seismic performance.



## THICK YET LIGHTWEIGHT WALLS

Provide stability, safety, and controlled flexibility.



## WALL-TO-ROOF CONNECTIONS

Ensure monolithic behavior and prevent structural separation during earthquakes.



## LIGHTWEIGHT ROOF

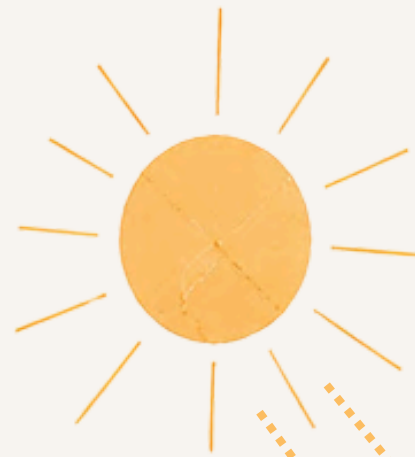
Reduces seismic loads acting on the structure.



## ARCHITECTURE THAT PROTECTS, HEALS, AND REBUILDS

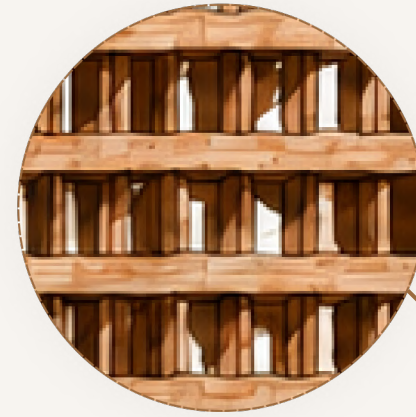
Spaces designed to provide healthcare services while strengthening community resilience and supporting post-disaster recovery.

# FROM LIGHT AND AIR TO WELL-BEING



## Morning Sun

Natural light enters gently through the openings of the cobogó.

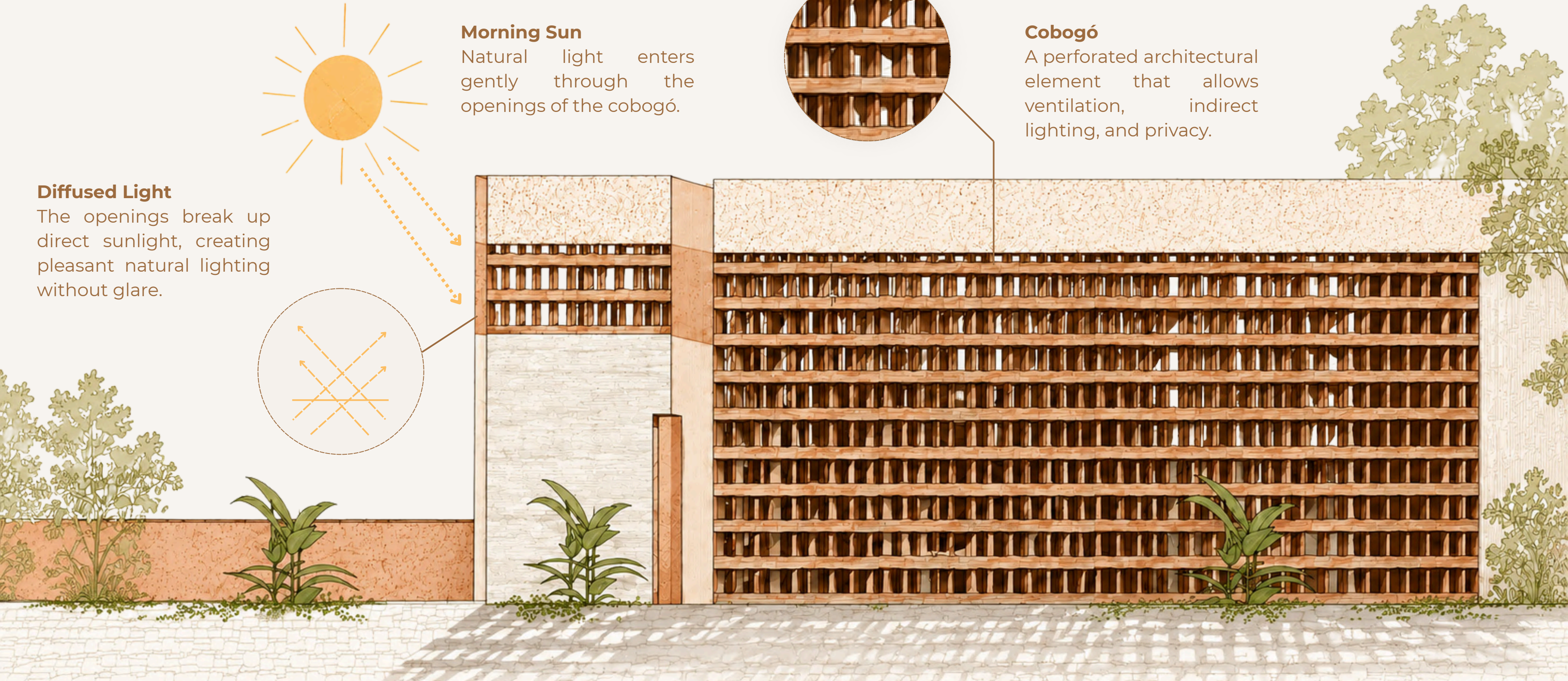
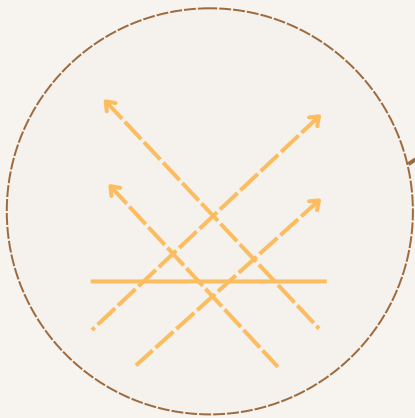


## Cobogó

A perforated architectural element that allows ventilation, indirect lighting, and privacy.

## Diffused Light

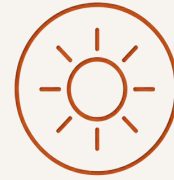
The openings break up direct sunlight, creating pleasant natural lighting without glare.



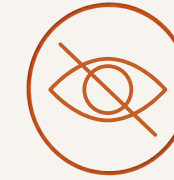
# FROM LIGHT AND AIR TO WELL-BEING



**Natural Ventilation**  
Constant renewal of indoor air.



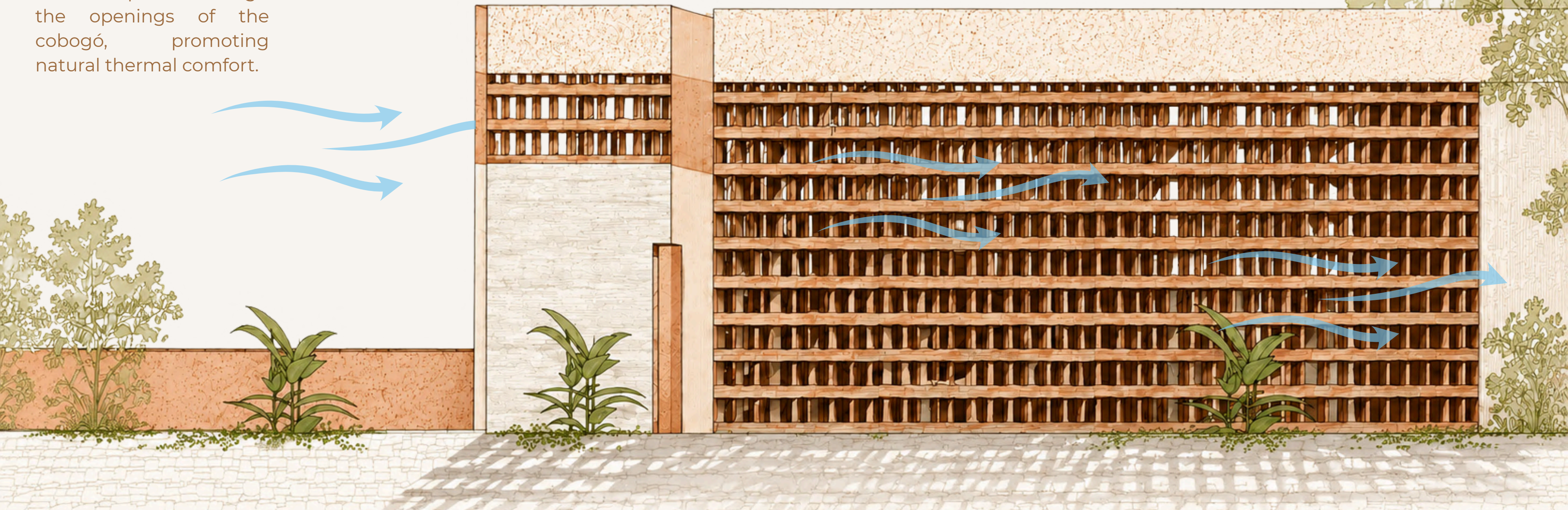
**Thermal Comfort**  
Reduces the building's internal temperature.



**Privacy with Permeability**  
Allows occupants to see without being seen, maintaining a visual connection between the interior and exterior.

## Cross Ventilation

The wind passes through the openings of the cobogó, promoting natural thermal comfort.





WHEN THE GROUND BREAKS,  
ARCHITECTURE BECOMES MORE  
THAN SHELTER—IT BECOMES  
HOPE.

