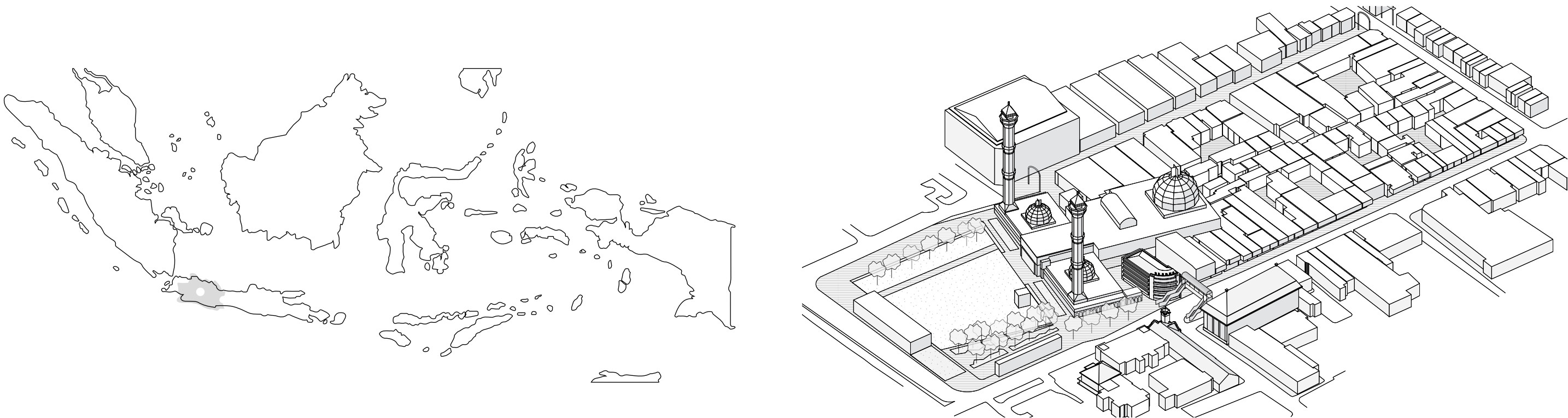


BANDUNG | WEST JAVA, INDONESIA



PROBLEM STATEMENT

The old centre of Bandung is known for its colonial past. However, many of the remaining buildings with a shared heritage remain vacant as they are isolated by densifying modern high-rise development. During my graduation I searched for a solution to this ironic dilemma.

OBJECTIVE

The main objective, resulting from this problem statement, is to revitalize a district in Bandung by means of the adaptive reuse of abandoned heritage and passive climate systems. My personal ambition is to empower the local culture of fashion craftsmanship and create a sustainable alternative for shopping in the city centre of Bandung. Designing both a fashion incubator and a public market has facilitated this sustainable alternative.

CONTEXT
There are many vacant historical buildings

CLIMATE
Modern high-rise development is often unsustainable

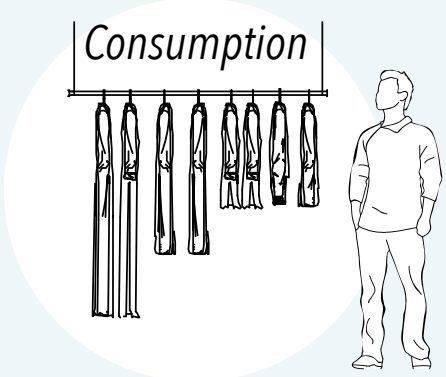
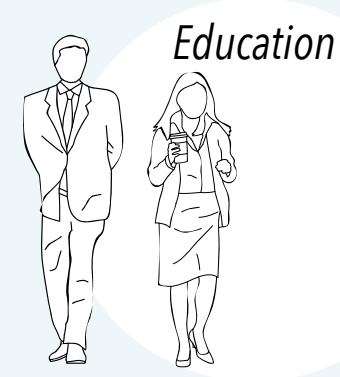
COMMUNITY
Innovative initiatives are inaccessible

In order to revitalize the urban area of Alun Alun, shared heritage and its passive climate systems will be reused, empowering the local culture of fashion craftsmanship

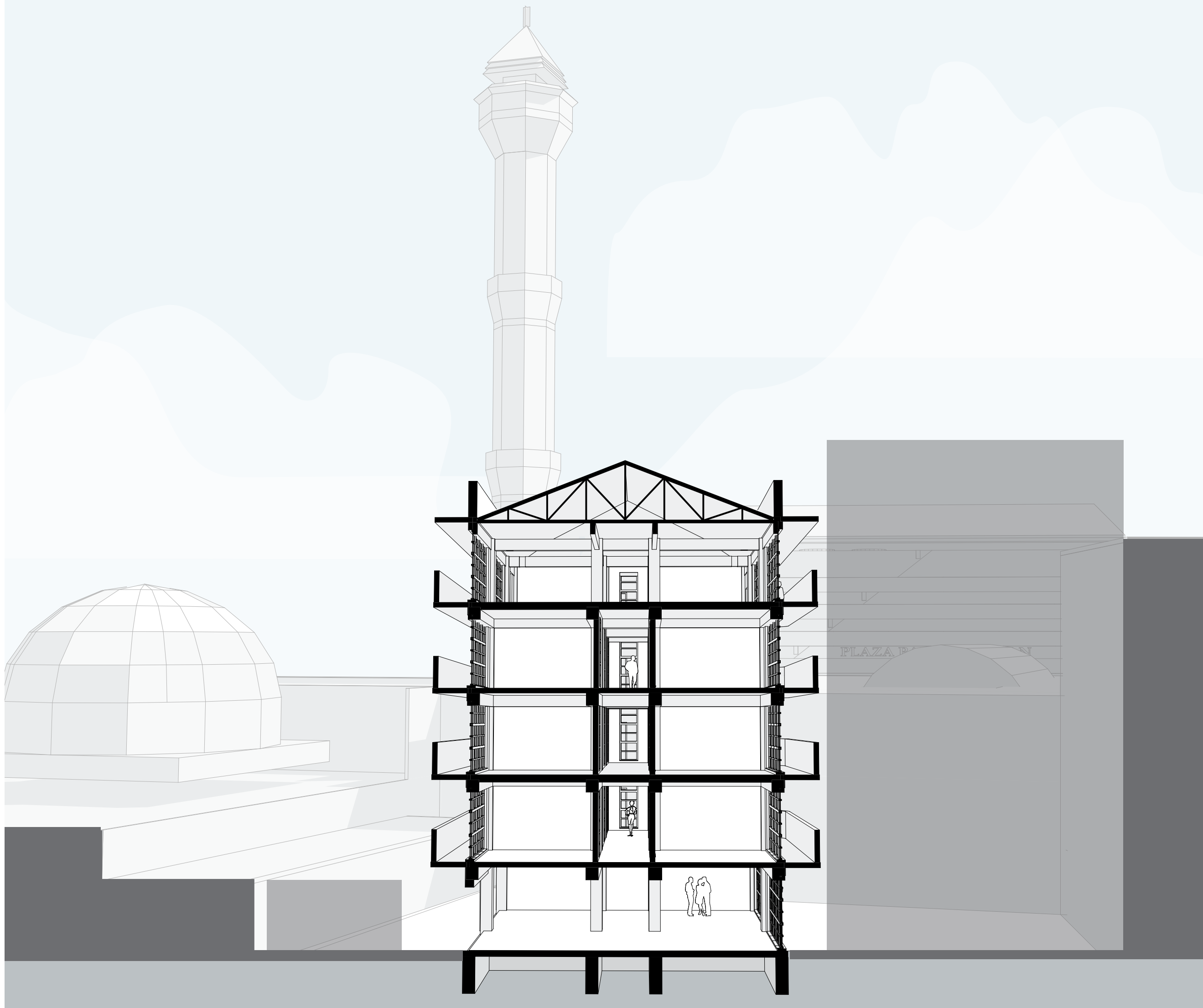
AMBITION

The results of the design project and case study of the abandoned Swarha building show a successful example of the adaptive reuse of shared heritage and passive climate technologies. The results show that this low-tech design requires minimal energy consumption while aiming at a high level of comfort, ultimately benefiting the urban area.

In addition, creating an open market with incubator is a reinvention of the shopping experience in Indonesia, with a focus on growth of local entrepreneurs and sustainable production. Focusing on the context, climate and community a mixed used building is designed, hosting education, production and consumption in one complex.



CURRENT SITUATION



DESIGN PROPOSAL



THE DESIGN | SWARHA SHOPPING



ABOUT THE PROGRAM AND INTERVENTIONS

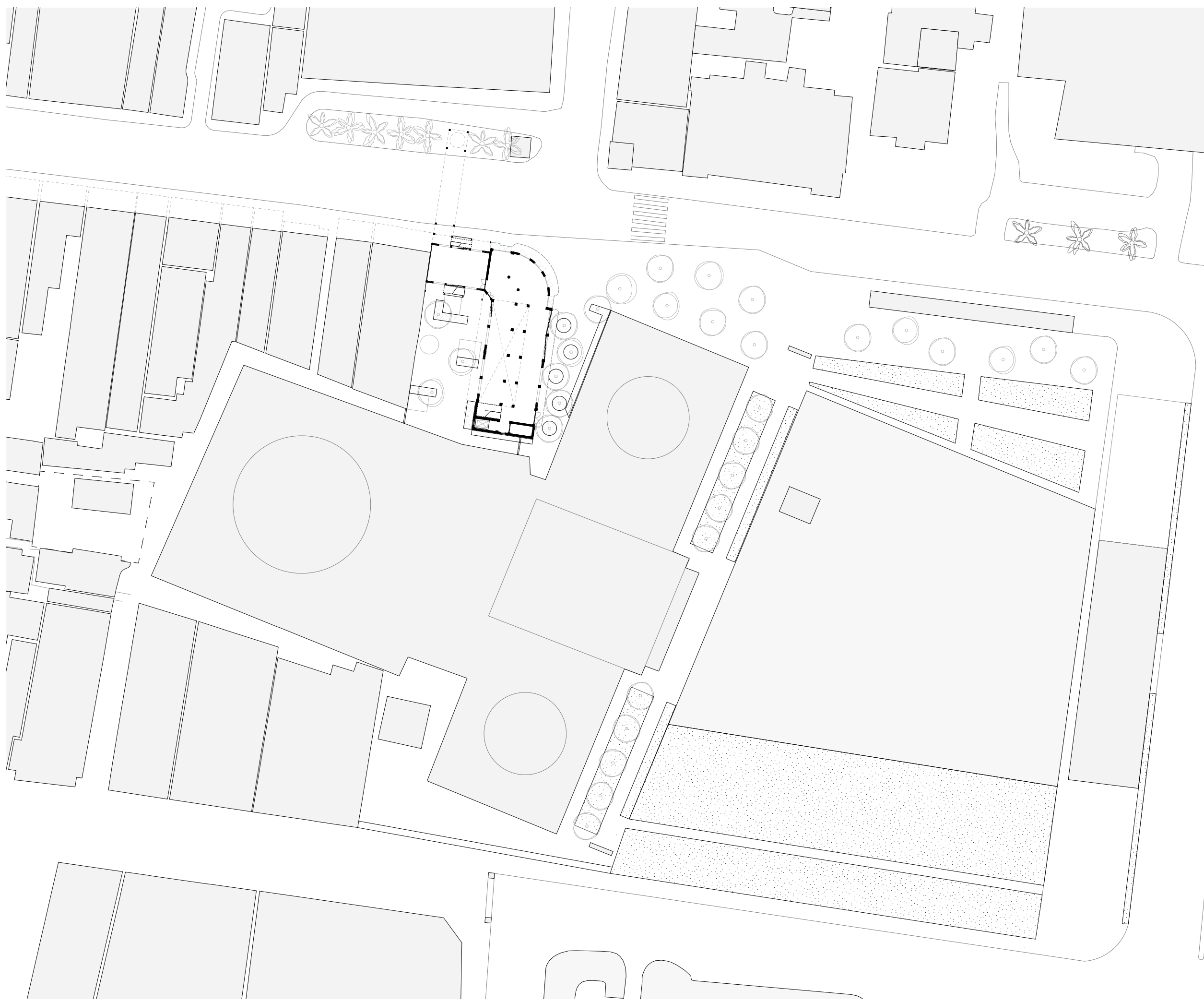
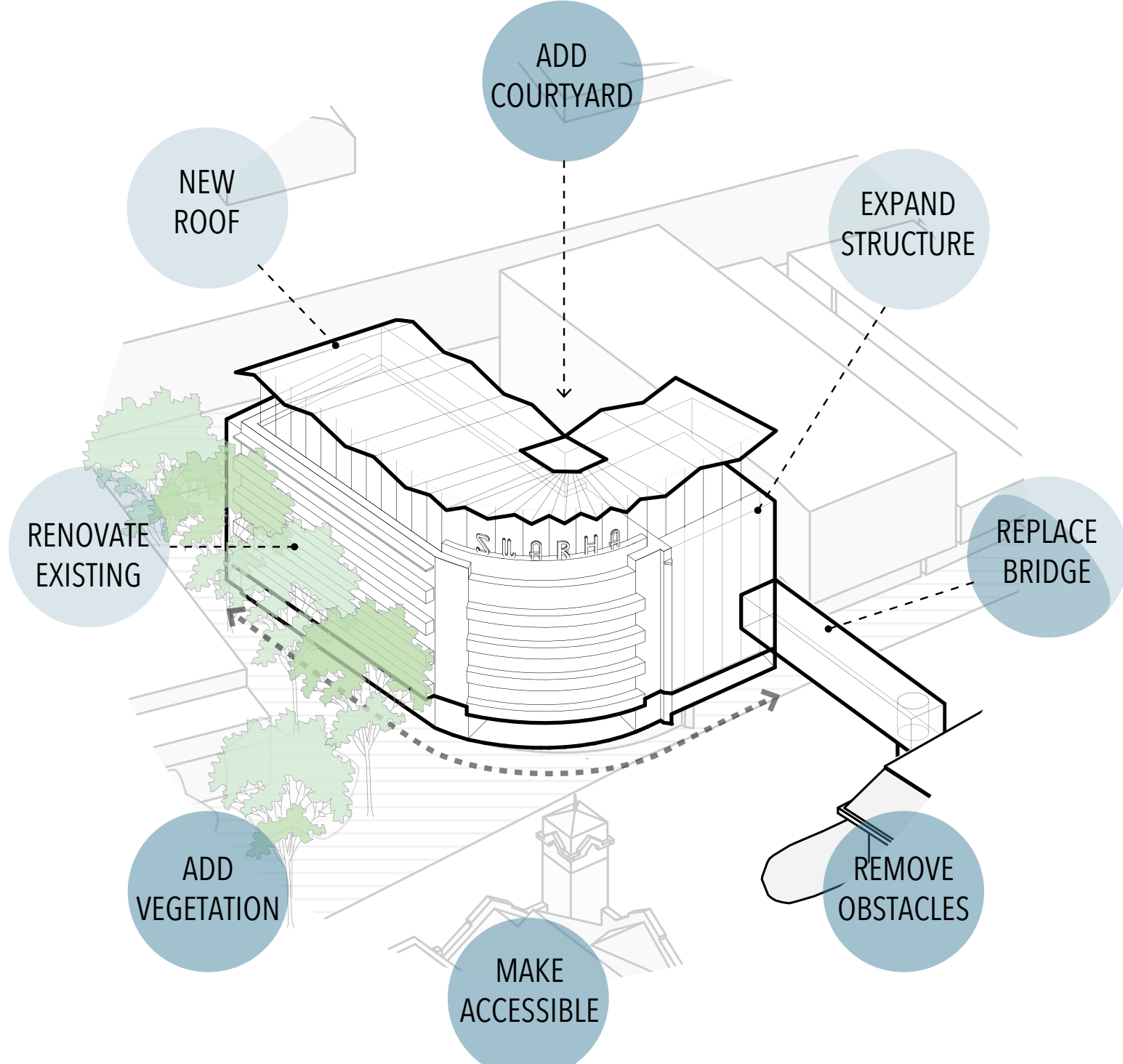
Focusing on the context, climate and community a mixed used building is designed, hosting education, production and consumption in one complex. This holistic approach is the result of a series of significant interventions on both a urban and architectural level:

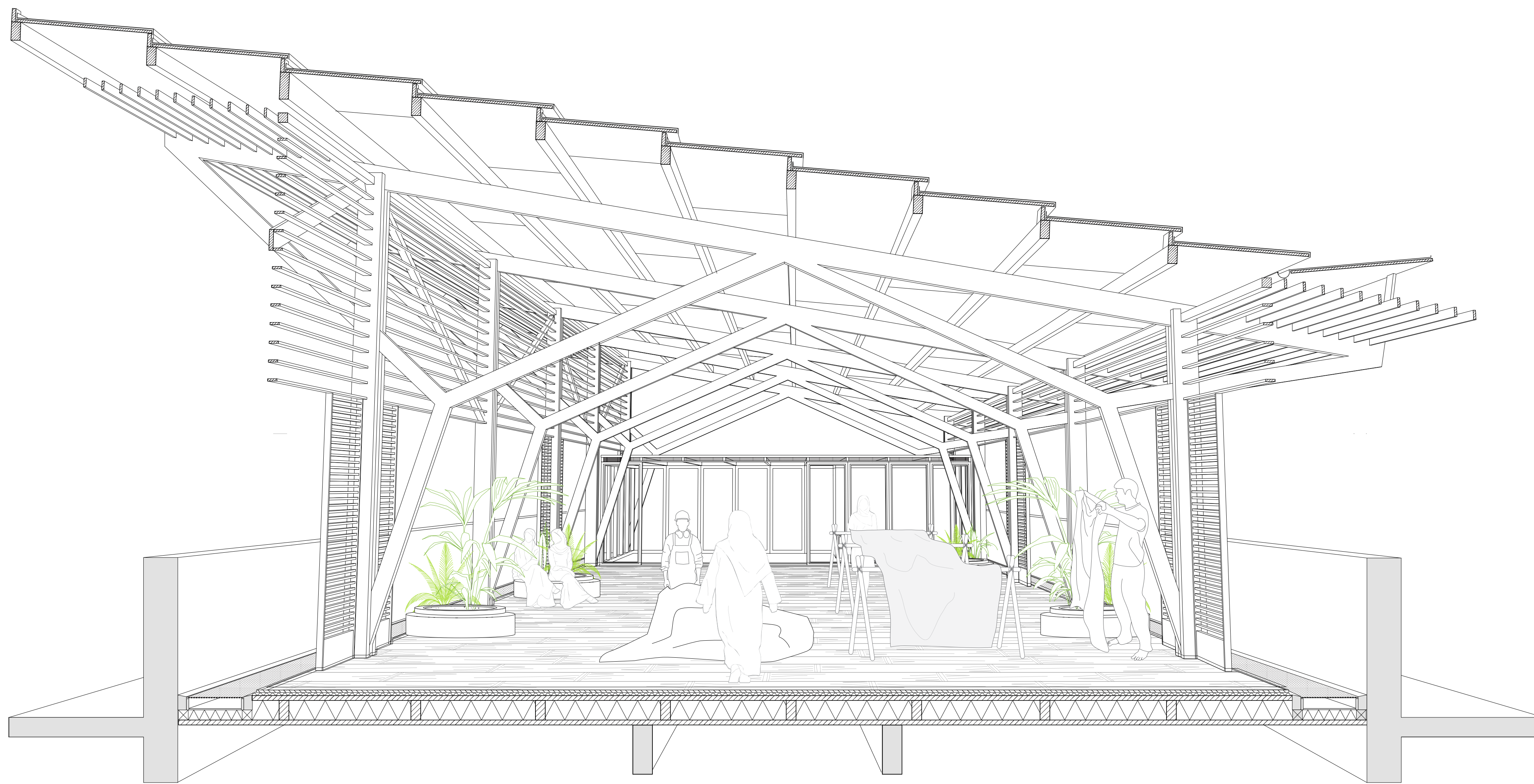
URBAN LEVEL
Locally a lot of clothing is manufactured, but it is difficult for young people to start their own business. The combination of an educational fashion institution and a commercial market hall for young entrepreneurs is the basis for this fashion incubator. The focus lies on sharing knowledge, encouraging new sustainable initiatives and supporting economic development in the local fashion industry.

Interventions at the urban level include removing surrounding obstacles, adding a new building block, renewing the pedestrian bridge and creating a courtyard. The now isolated building will once again become visible and accessible from both sides of the busy street and in return will stimulate economic development in the neighbourhood.

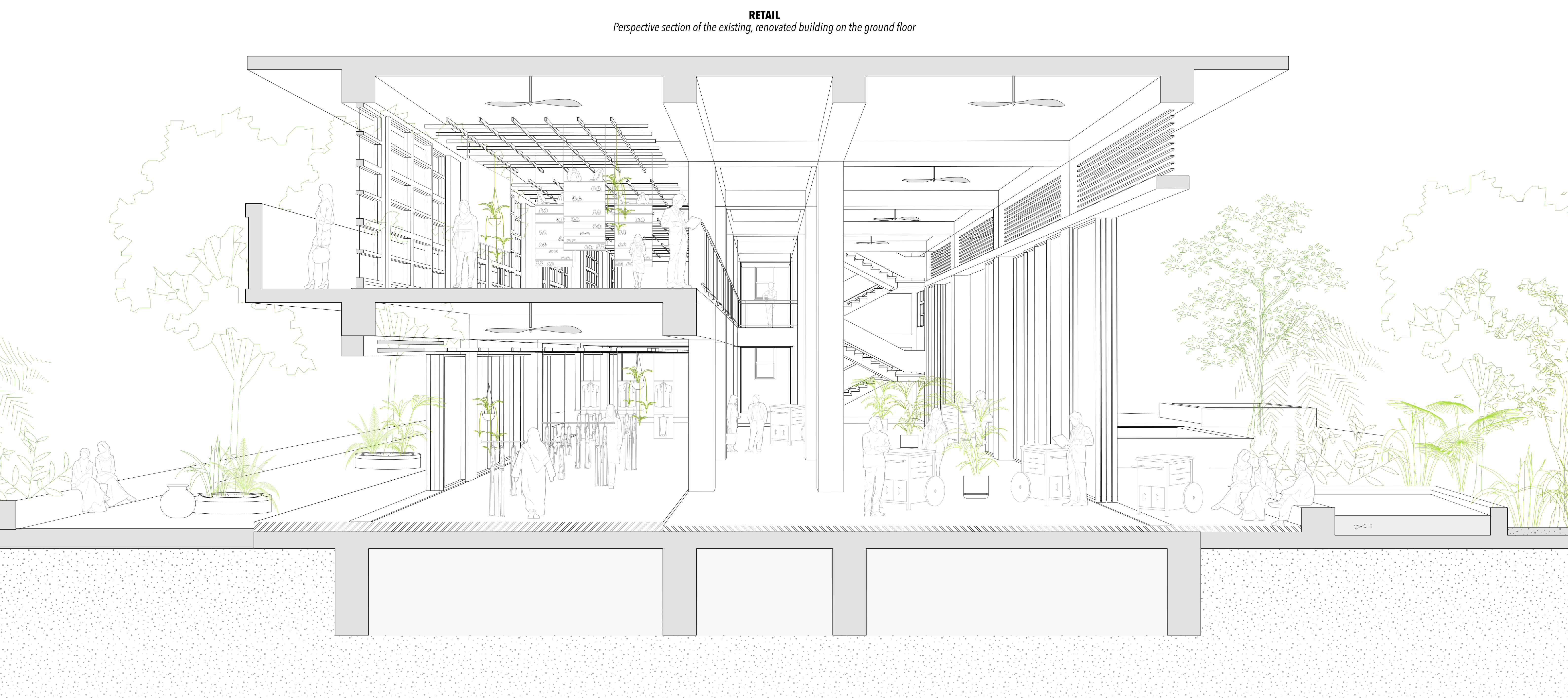
ARCHITECTURAL LEVEL
On the architectural level, several interventions have been made. Firstly, the focus lies on transforming the now-abandoned building while respecting its existing concrete structure. Secondly, the existing building is expanded with a flexible and open wooden structure, engaging with the tropical climate. The new roof is made of wood and serves as a sunscreen and water collector. Furthermore, the plinth is open to the public and leads through the fashion market to the peaceful courtyard, allowing pedestrians to rest during a hectic day.

The incubator program on the upper floors in the renovated part of the building focuses on education and production. This includes use of meeting rooms, design studios, (co-) working spaces and machines in the workshop, allowing students to develop their artistic skills and set up a successful business.



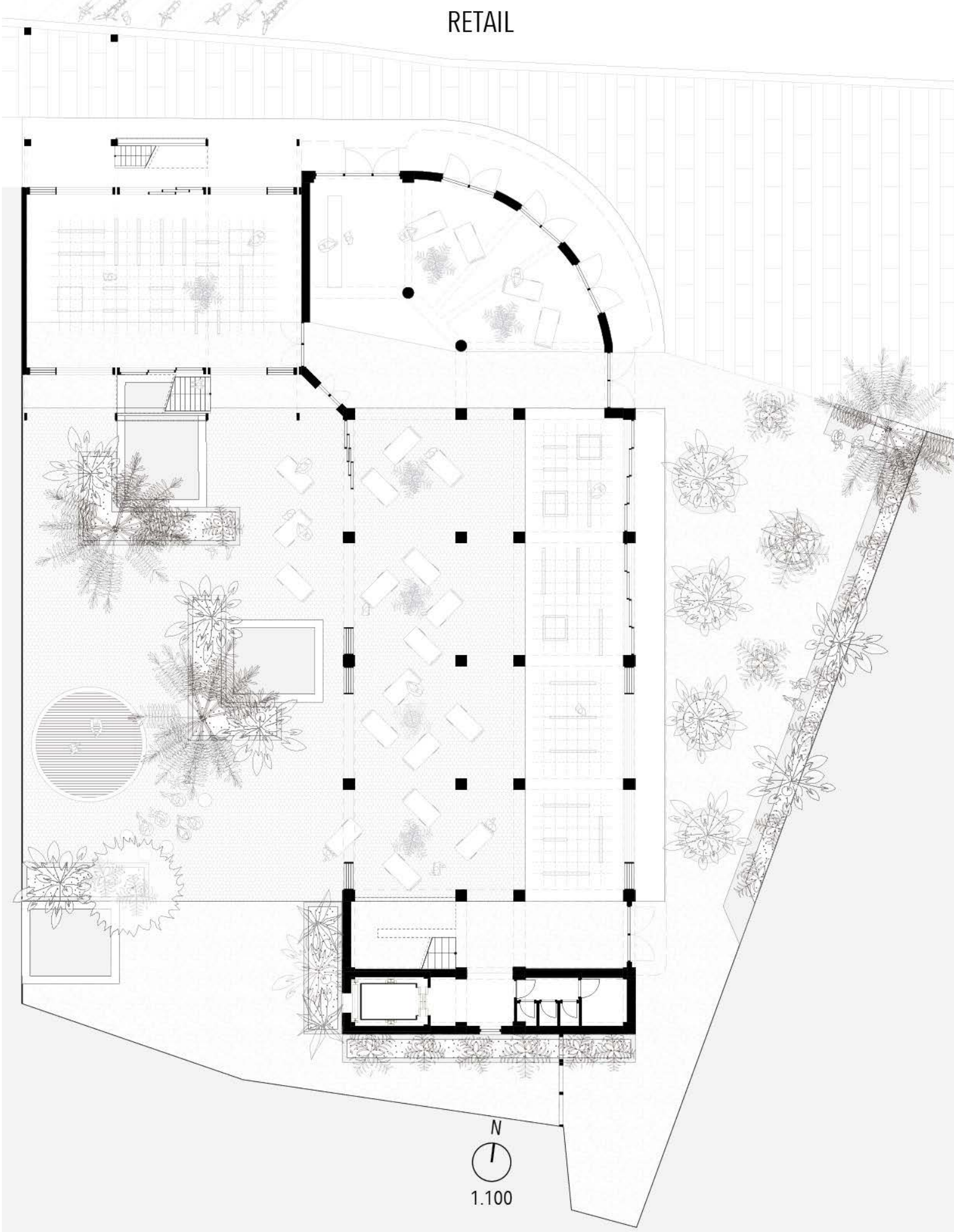


EDUCATION & FABRICATION
Perspective section of the new roof construction

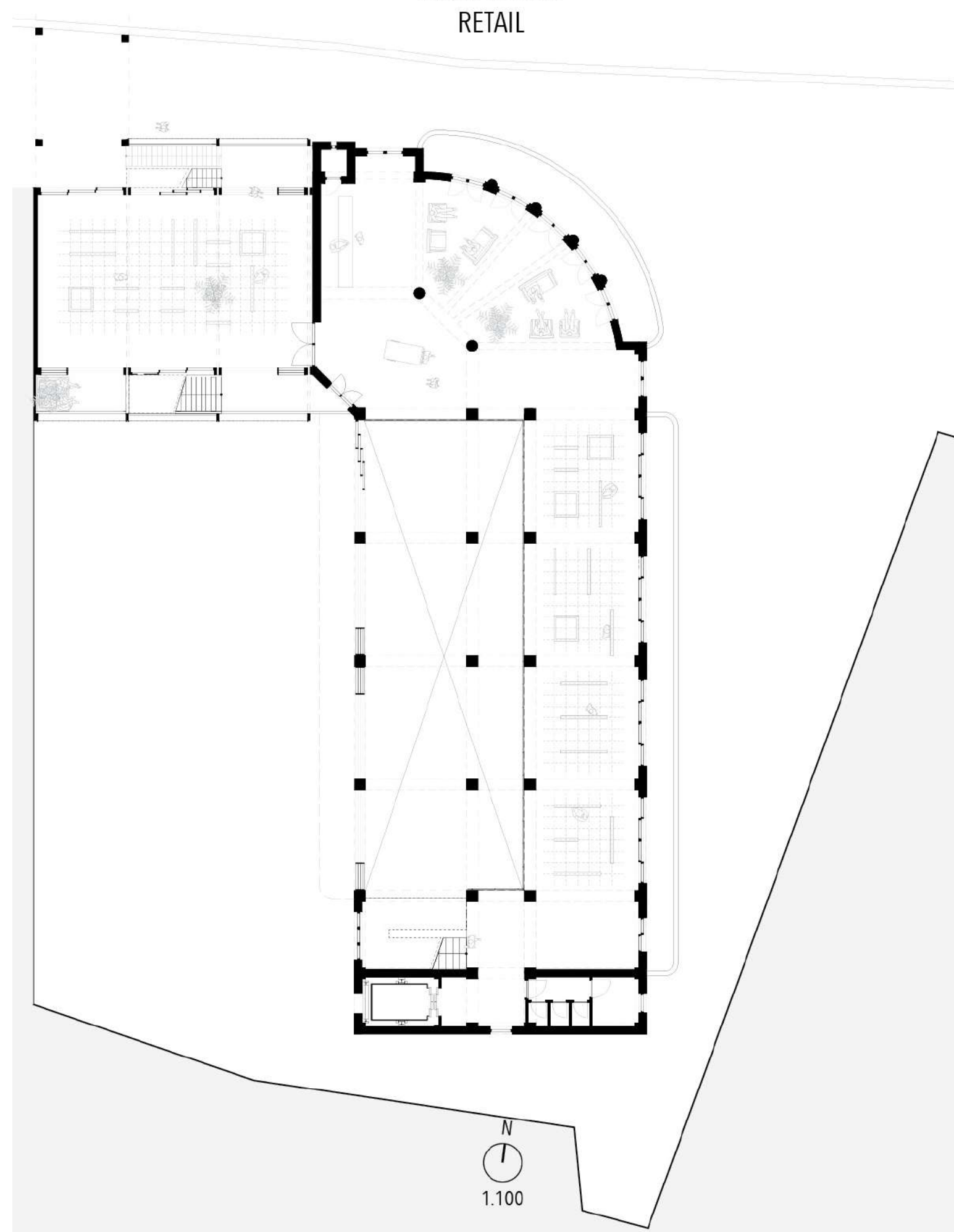


RETAIL
Perspective section of the existing, renovated building on the ground floor

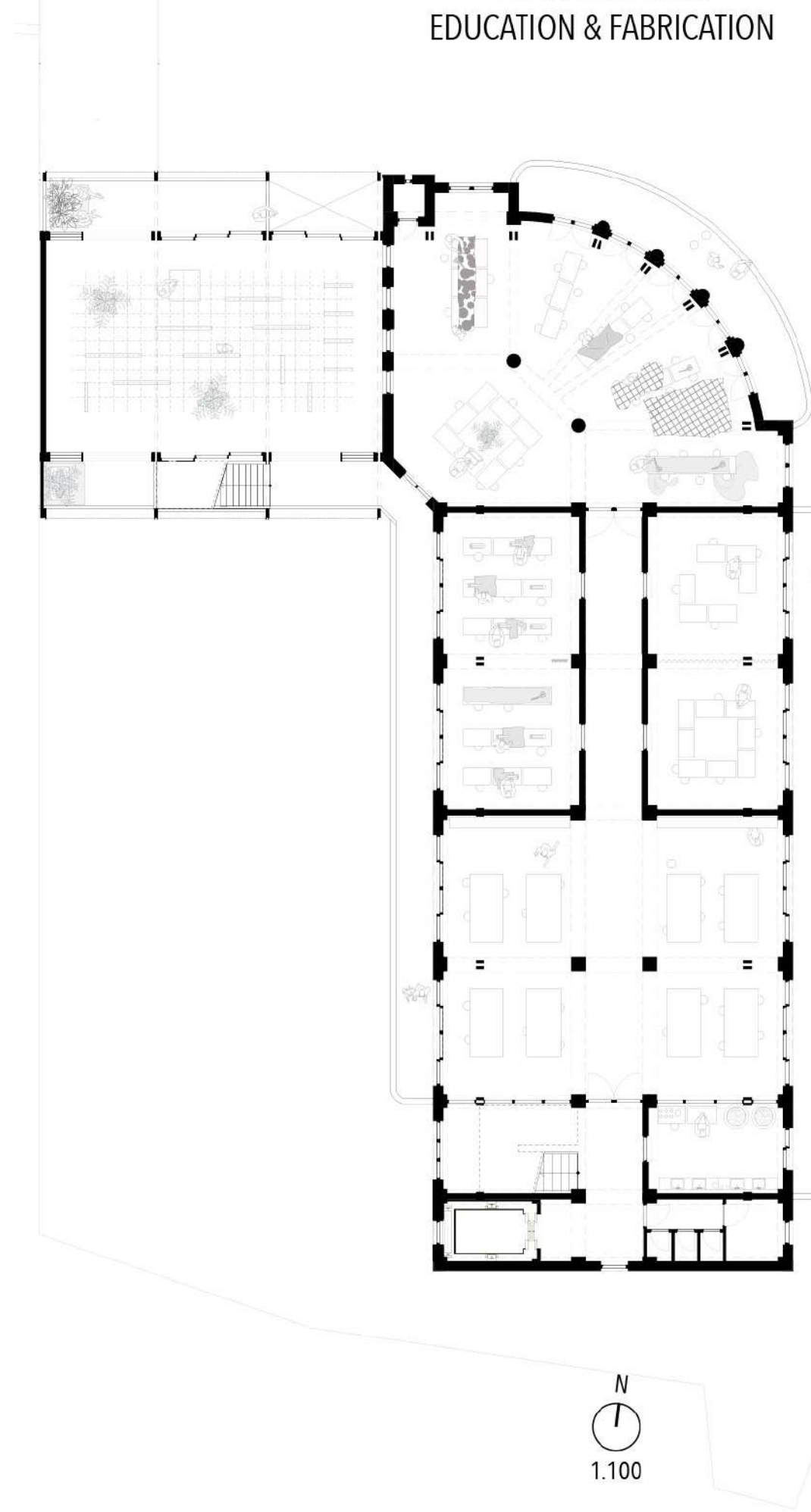
GROUND FLOOR
RETAIL



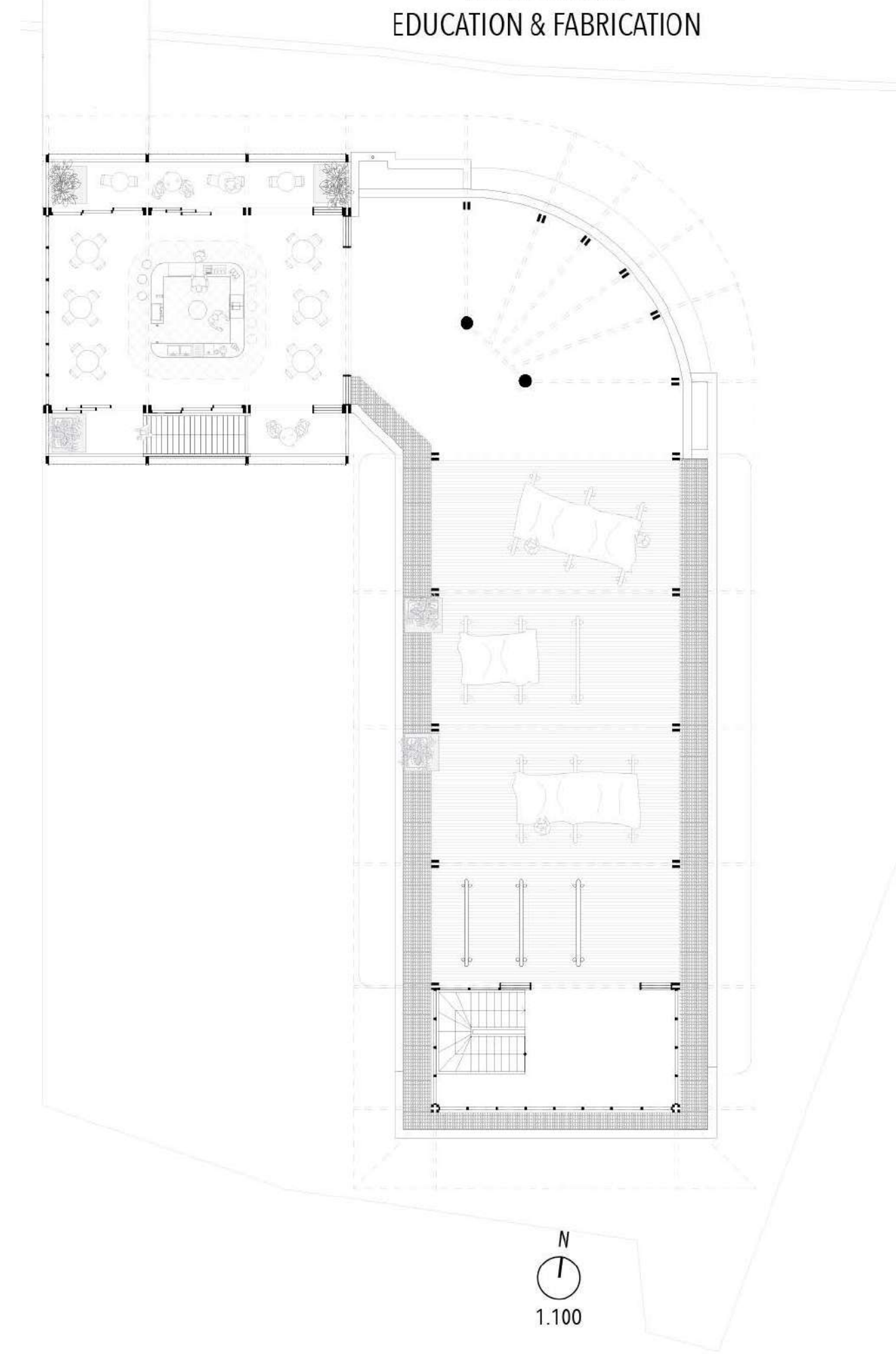
FIRST FLOOR
RETAIL



FOURTH FLOOR
EDUCATION & FABRICATION



FIFTH FLOOR
EDUCATION & FABRICATION



Marine plywood has 5 layers as opposed to the 3-layer standard plywood. Its adhesive is waterproof making it suitable for naval uses

Marine plywood decking 30mm

Rain gutter

Bituminous Sheeting 3mm

Timber joist 100x200mm

Steel angle 40x40mm for drip profile

DETAIL A | ROOF + GUTTER 1:5

