

ARCHITECTURE **PORTFOLIO**

ERZA SHALA

Selected Projects

Bachelor Thesis

Bioclimatic Villa
Individual Project
Prishtina
2023



Design Studio 3

Green Apartment Complex
Group Project
Prishtina
2022



Architectural Design 2

Housing for the elderly
Individual Project
Prishtina
2021



Bachelor Thesis

Bioclimatic Villa
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2023

The bioclimatic villa is designed focusing on energy efficiency, the use of renewable resources, the recovery of water and recoverable materials, and the minimization of environmental pollution. The villa is designed to have a minimal impact on the environment and positively affect the quality of life of its residents.

Some of the characteristics of the bioclimatic villa are the use of renewable resources, good thermal and acoustic insulation which helps to maintain the temperature and sound inside the villa and affects the reduction of energy costs for heating and cooling the villa. The villa is strategically placed in relation to sunlight to maximize the use of natural light and minimize the use of electricity.

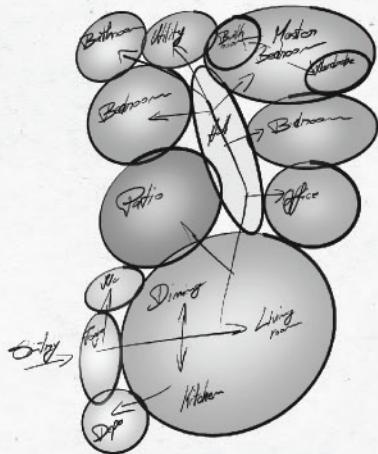
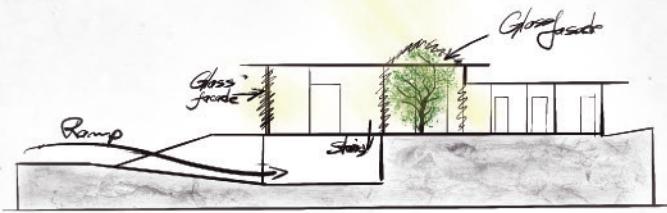
The bioclimatic villa is an excellent solution for residents who want to live in a more efficient way and to influence the environment in a positive way.



Site view



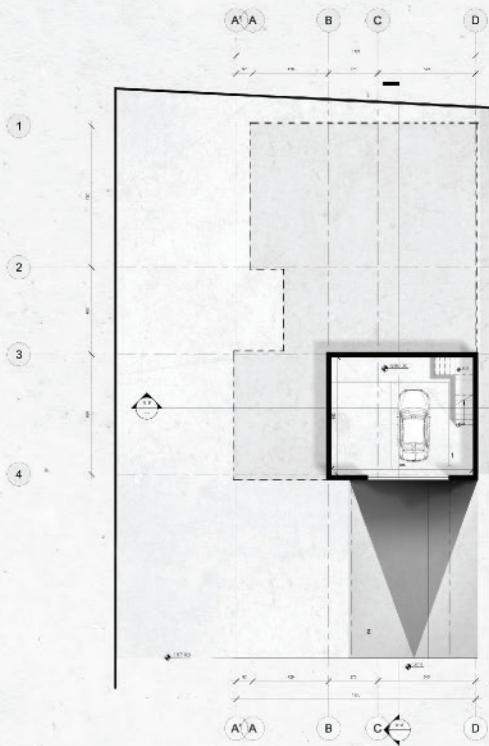
The villa's architecture is tailored to blend seamlessly with the natural surroundings, maximizing the use of natural light. A glass-enclosed patio, situated at the heart of the villa, allows sunlight to permeate the interior, providing ample natural illumination throughout the living spaces.



Patio



The architectural plan for the villa is designed using a system of lines and circles to illustrate the relationship between the functional areas within the space.

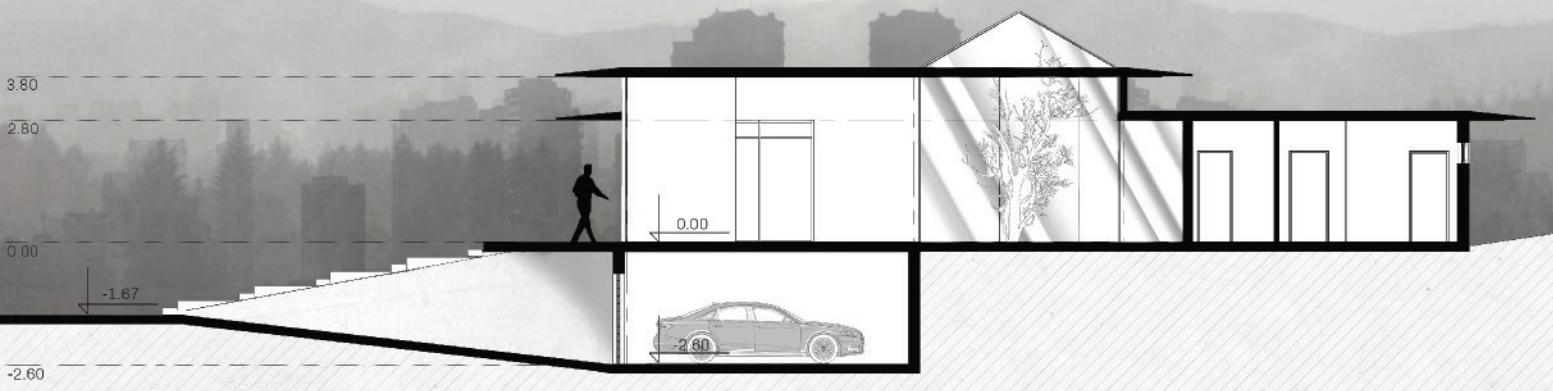


Basement floor plan

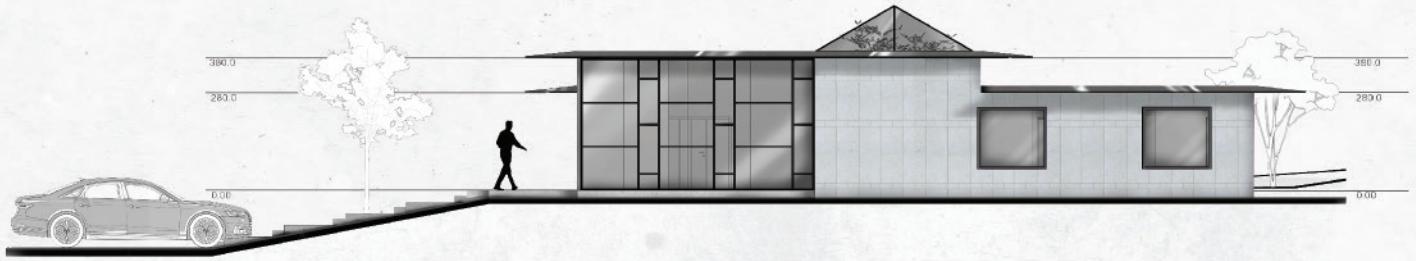


Ground floor plan

A-A Section



South-eastern facade



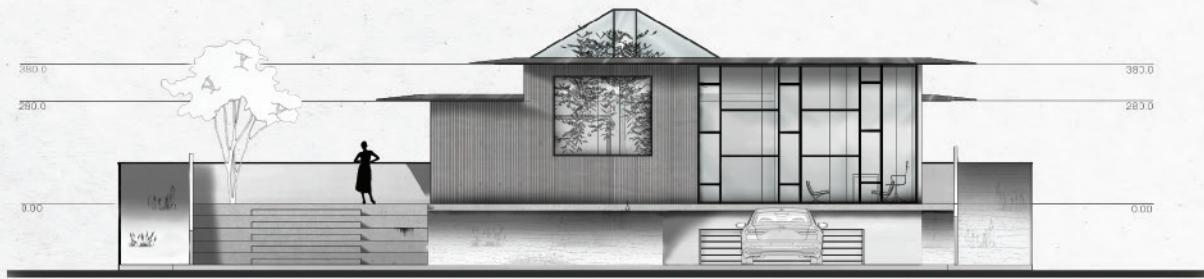
Visualisation



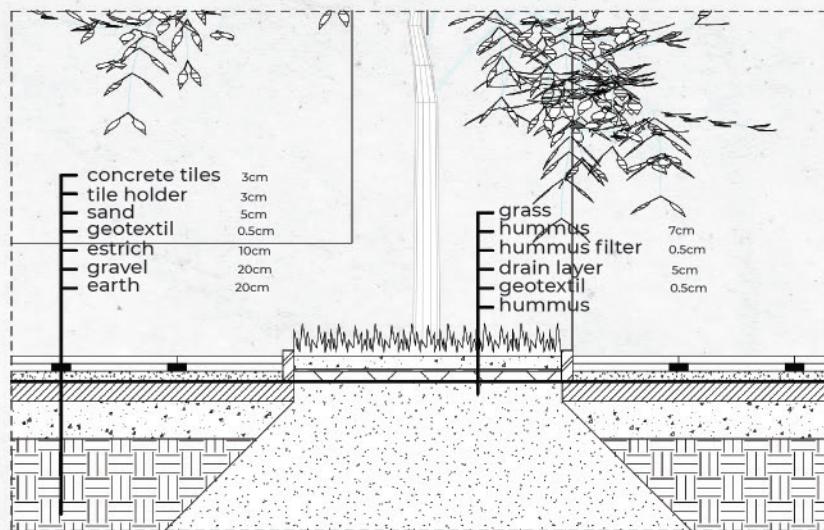
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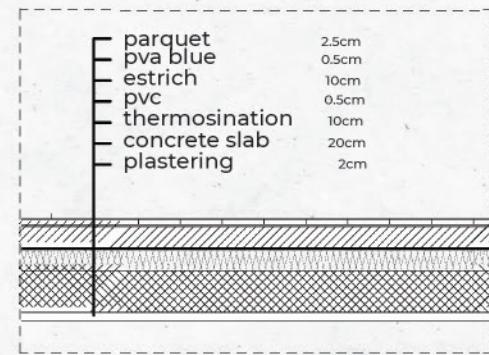
South-western facade



Patio detail



Ground floor slab detail



Design Studio 3

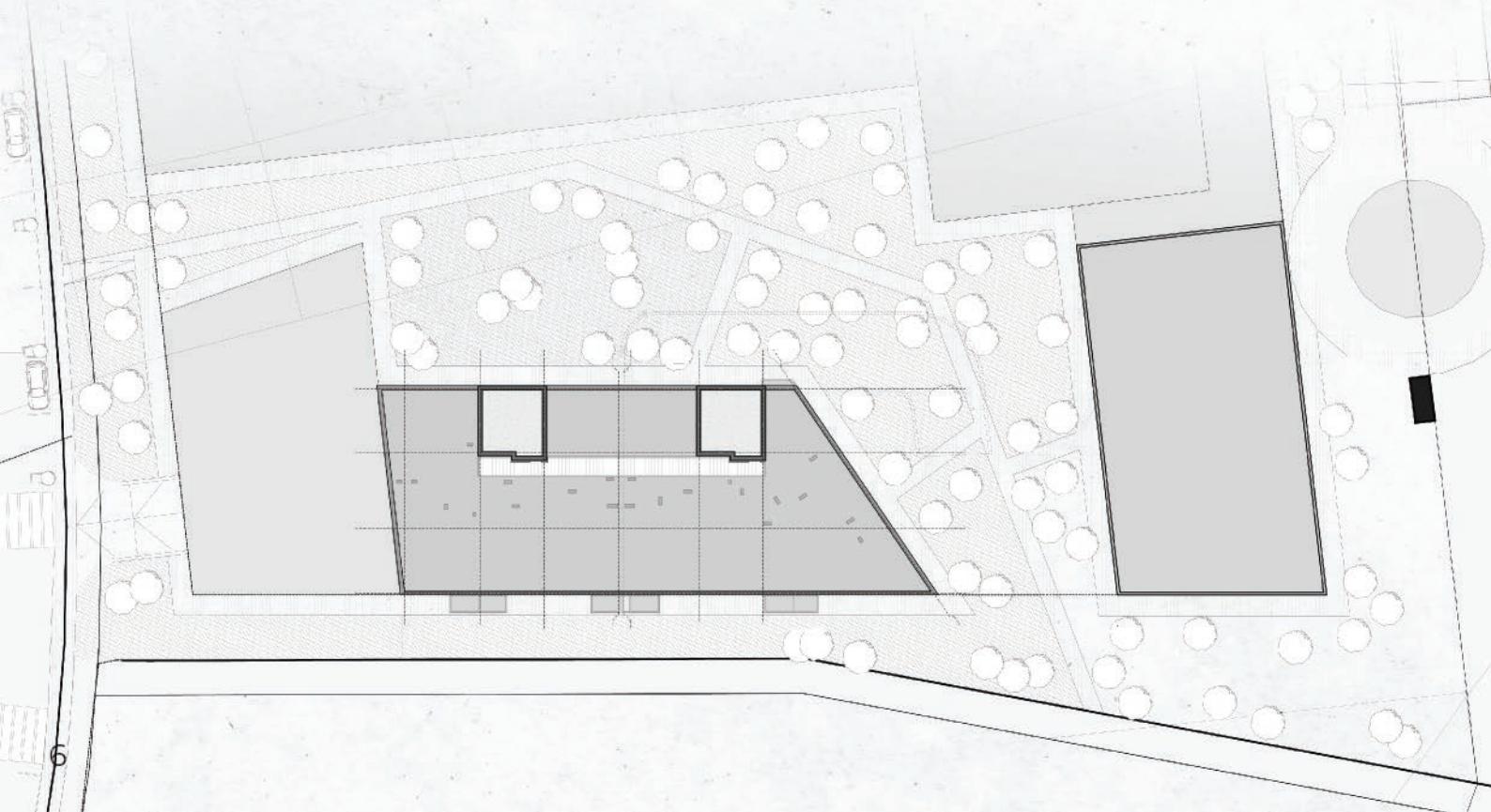
Green Apartment Complex
Group Project
Prishtina
2022

The architecture of an apartment complex plays a vital role in creating a functional and visually appealing living environment for residents.

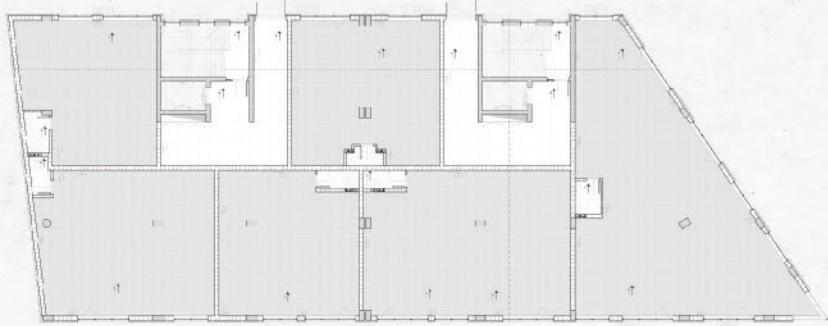
This design provides to the specific needs of multiple families sharing communal spaces while also offering a sense of individuality and privacy for each resident. A crucial aspect of this architecture is the overall layout of the complex, designed to maximize the use of space and minimize noise and disturbance from neighboring apartments.

This involves using soundproofing materials, strategically placing common areas and amenities, and incorporating outdoor spaces that provide residents with a break from their individual units. Additionally, the design emphasizes energy efficiency and sustainability, incorporating features such as green roofs and energy-efficient appliances.

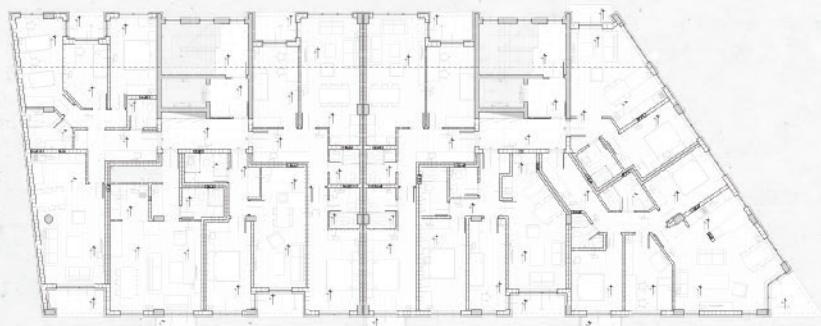
Site view



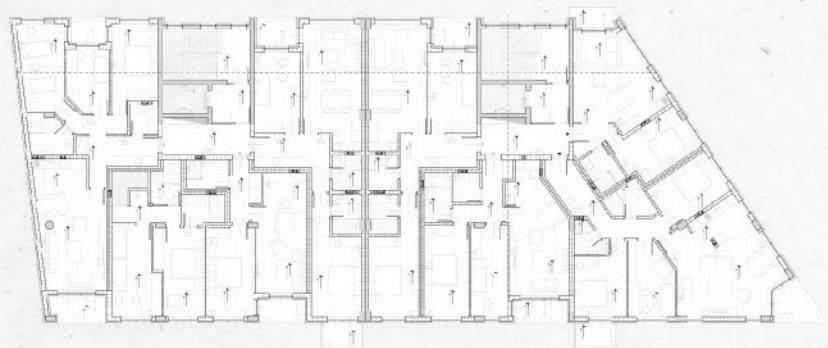
Ground floor plan



First floor plan



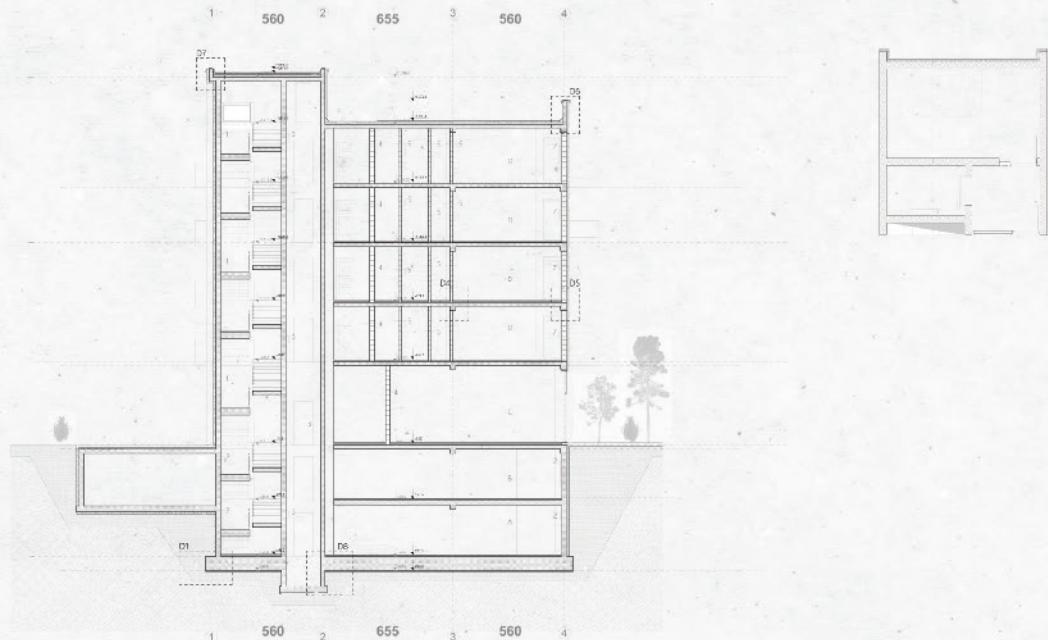
Fourth floor plan



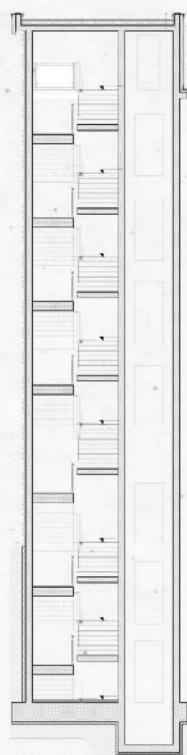
Visualisation



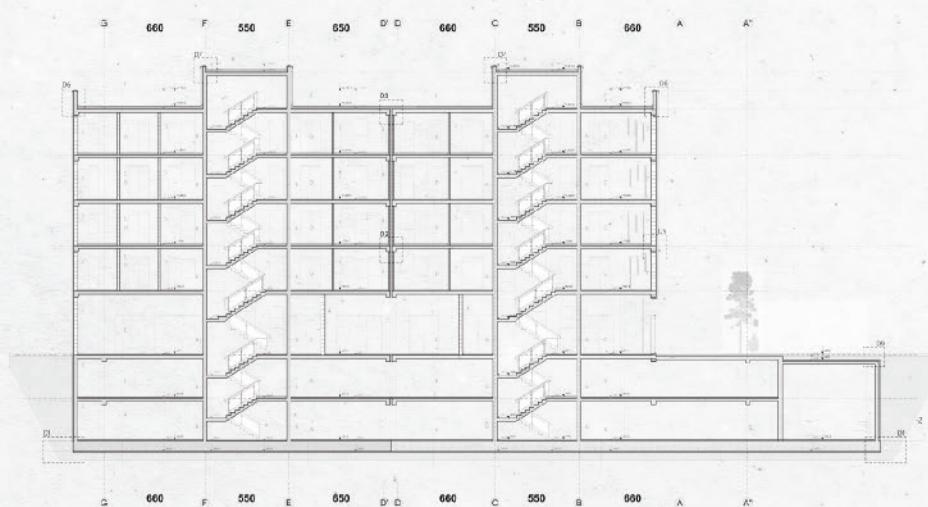
A-A Section



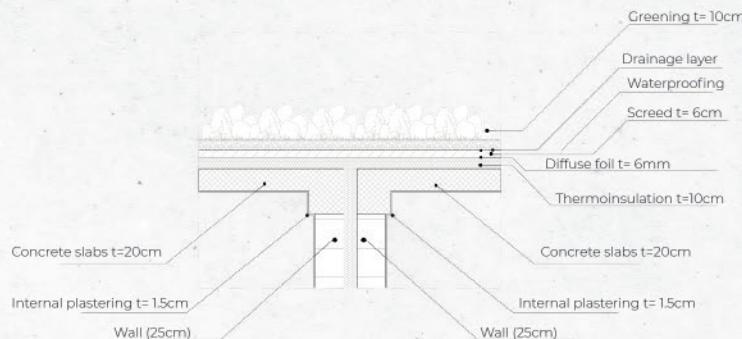
Stairs scheme



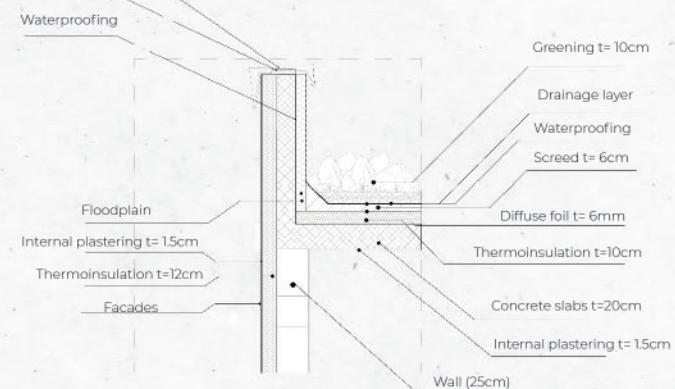
B-B Section



Detail of the dilation at the top



Detail of attic



North-western facade



East facade



3D Model



Architectural Design 2

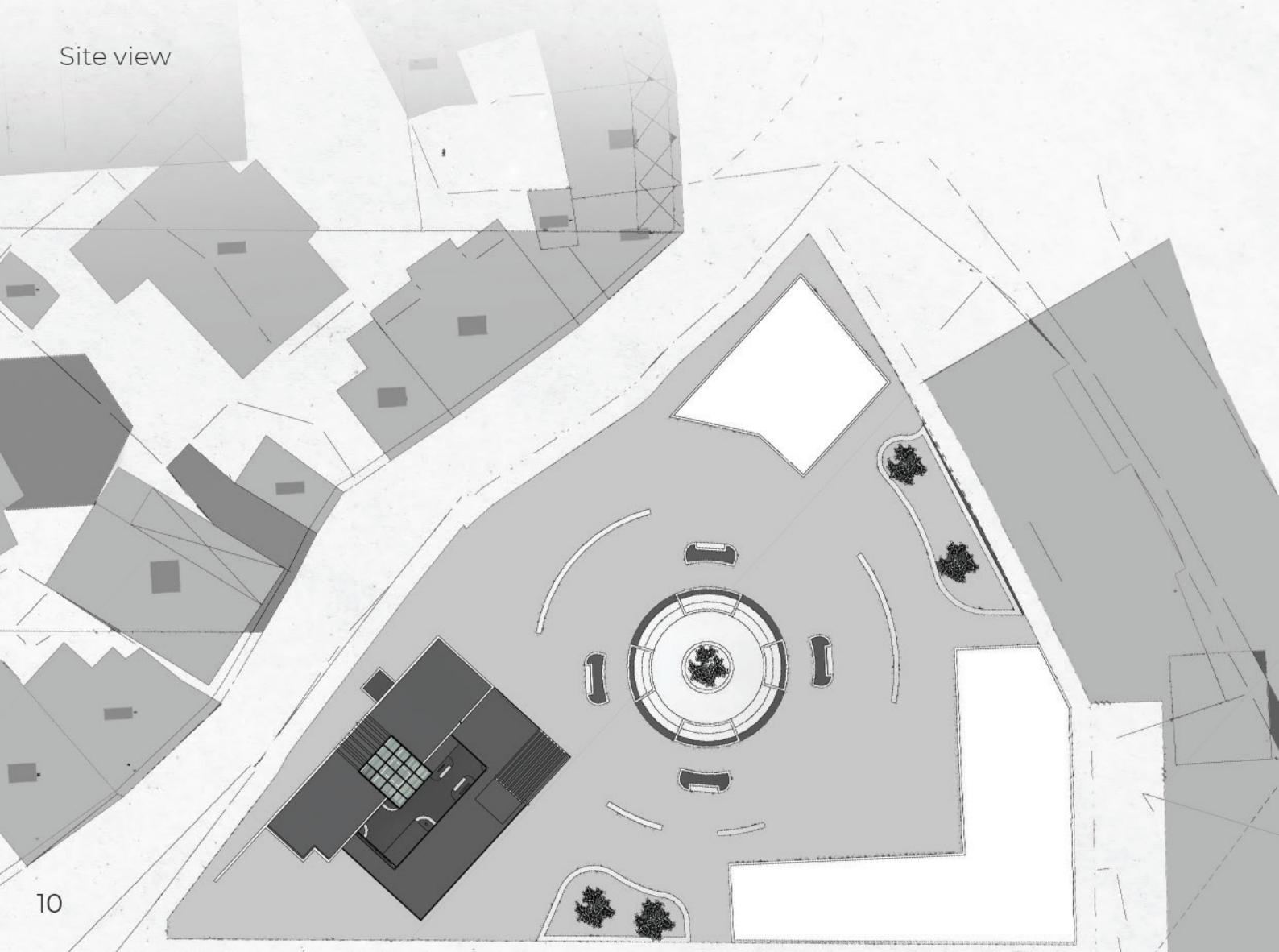
Housing for the elderly
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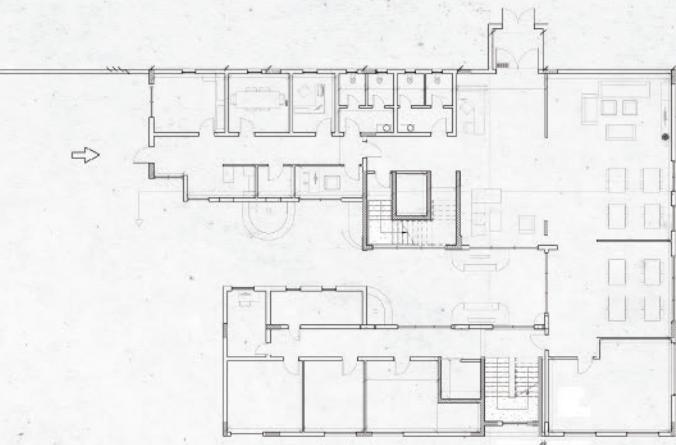
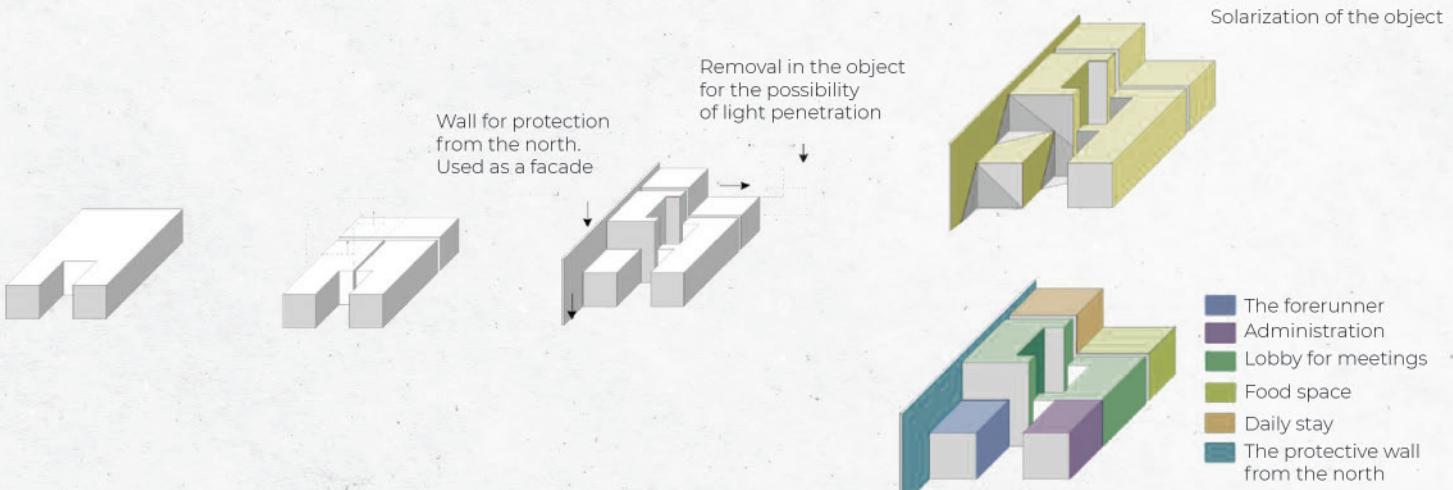
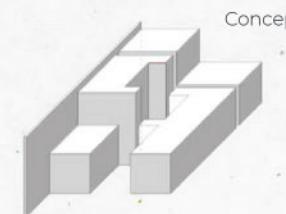
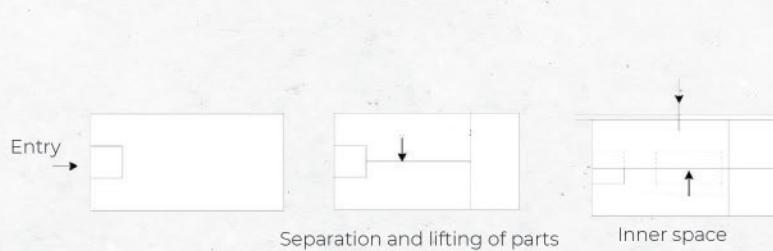
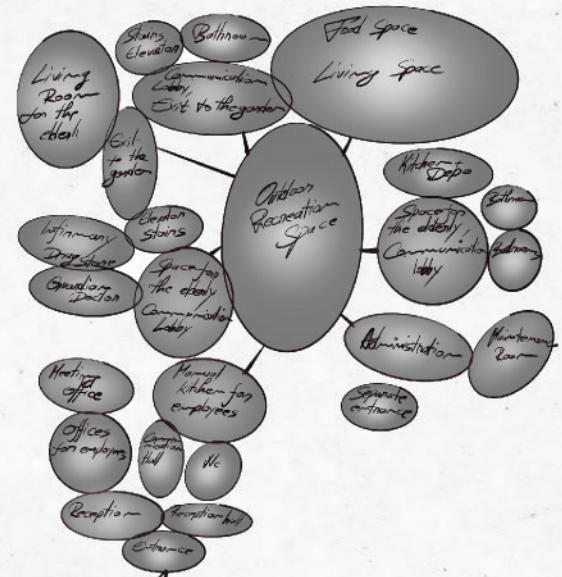
The architectural design of housing for the elderly plays a crucial role in creating living spaces that prioritize safety, comfort, and overall well-being for older adults. Such design must cater to the specific needs of seniors, including mobility, accessibility, and socialization, while also considering their health and cognitive abilities.

A key feature of this architecture is the arrangement of living spaces, which promote both independence and privacy, as well as foster socialization and interaction among residents. Implementation of open floor plans, spacious hallways, and barrier-free design contributes to a more welcoming and accessible environment for the elders with limited mobility.



Site view



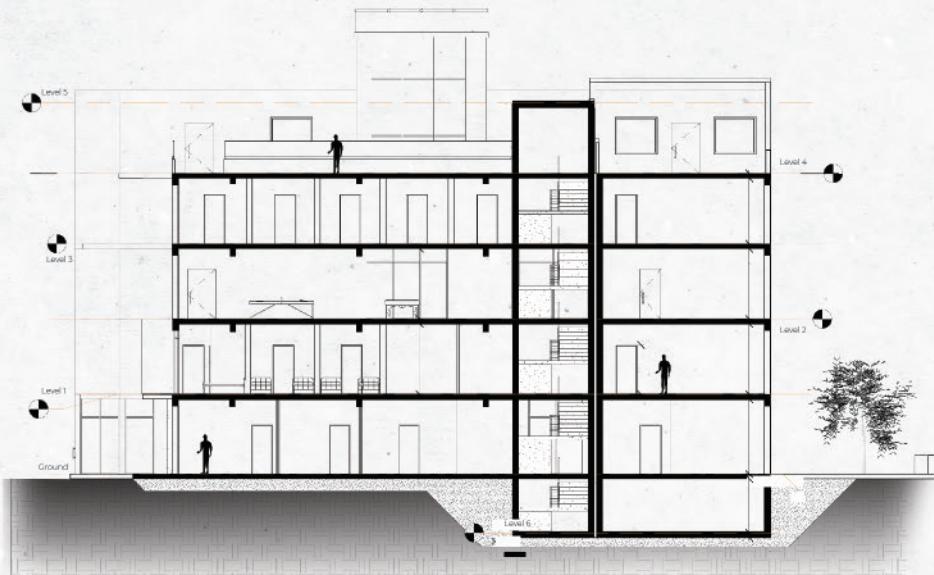


Ground floor plan

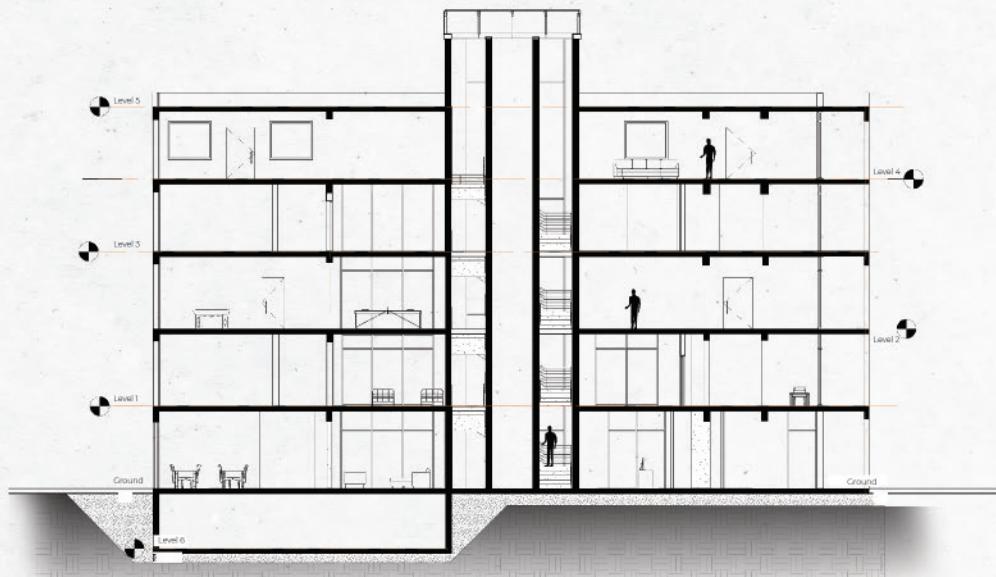


First floor plan

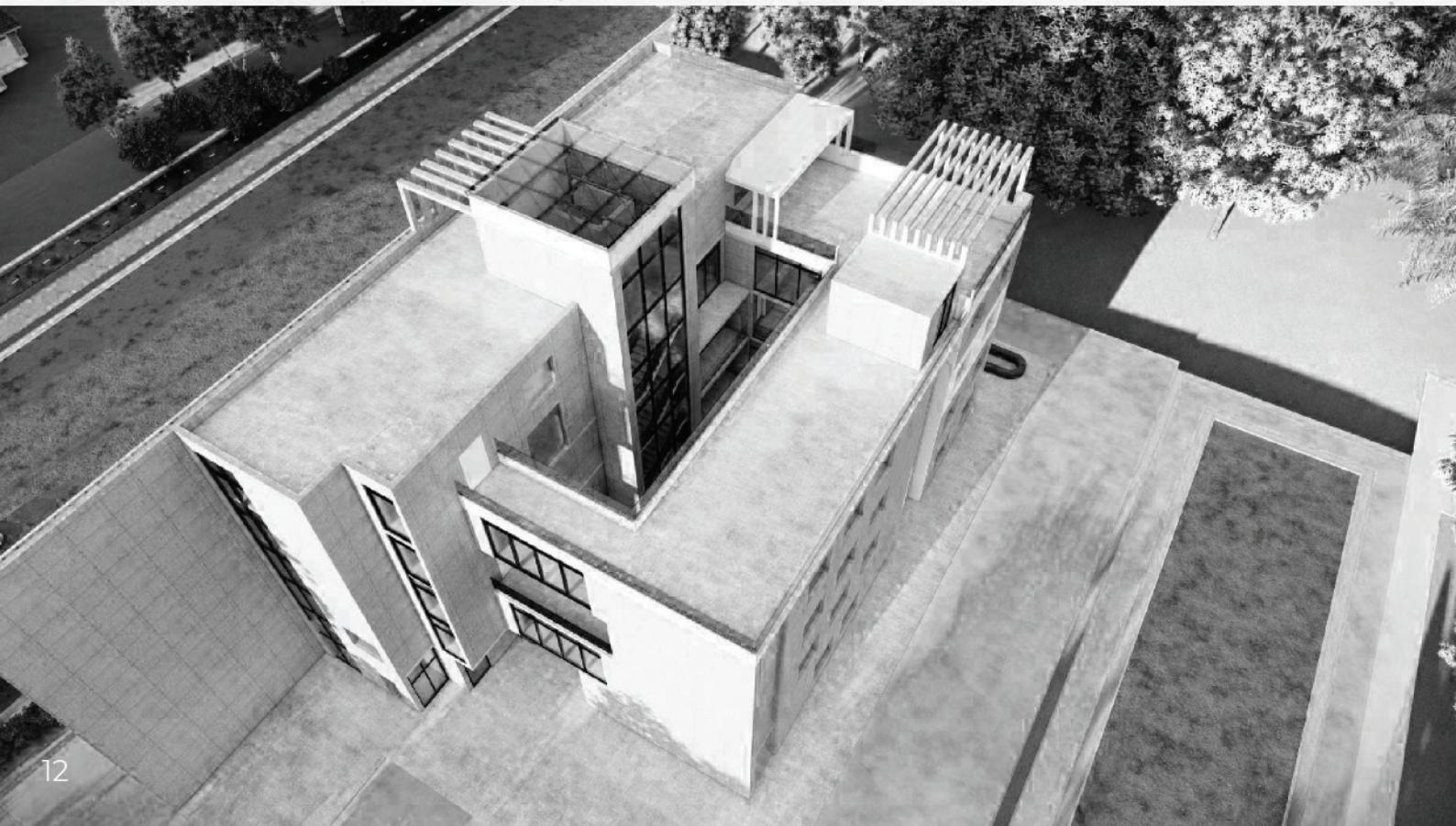
A-A Section



B-B Section



Visualisation



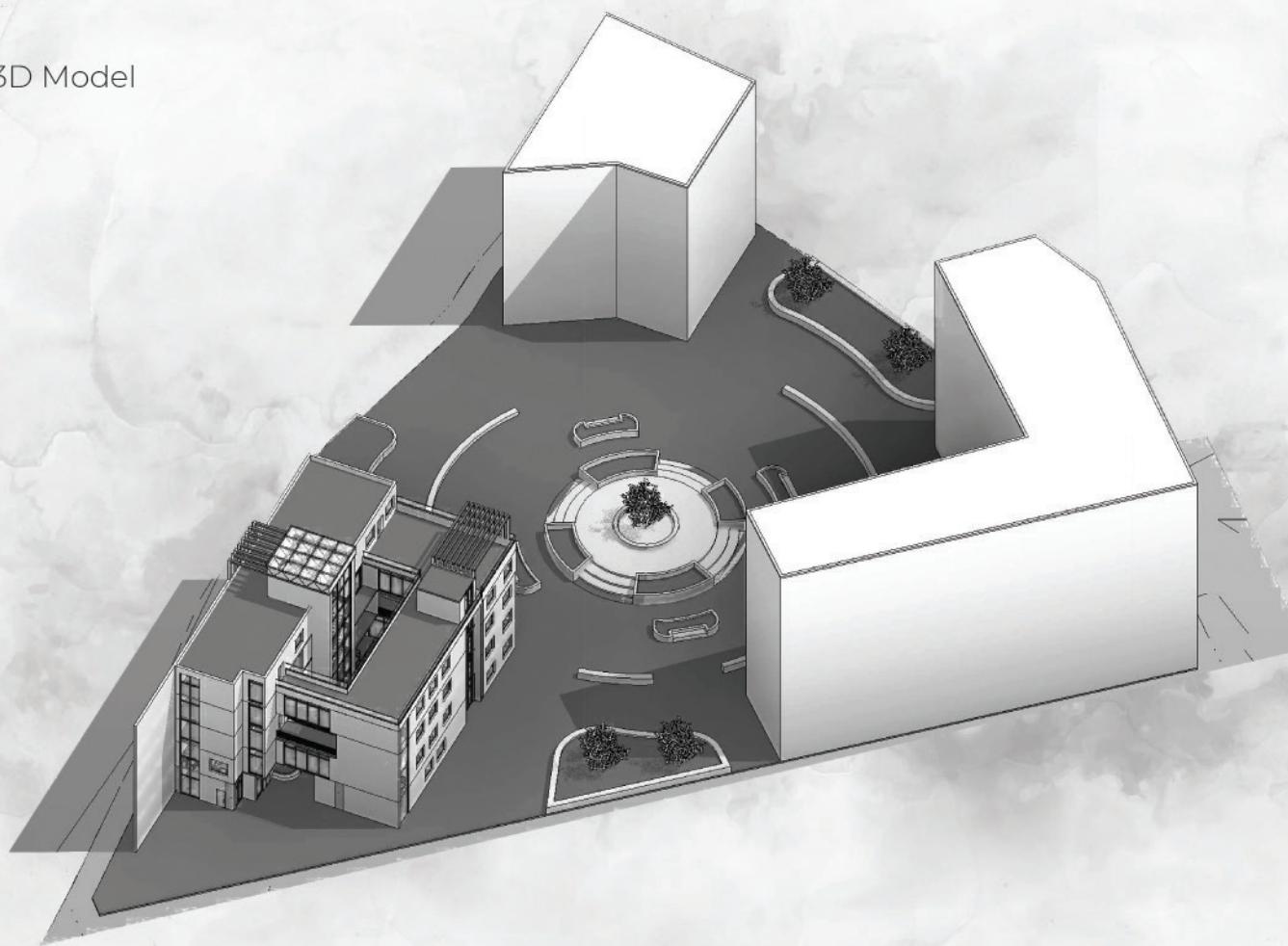
South facade



West facade



3D Model



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