

HOME within HOME

Building demolition produces a lot of waste, which can be put to good use by reusing 'waste' materials and reducing the need for new capital. My project aims to raise awareness about proper building material usage in urban areas, as well as change people's perceptions on low-cost materials by minimizing the need for industrial - level construction.

Construction on reverse - the ultimate aim of this strategy is to responsibly manage the construction of new buildings by reducing the usage of new raw materials and find new ways to reuse existing materials from demolished sites. For my concept exploration, I visited a construction site and collected some material waste that were disposed and started an experimental process, to create new materials. .



#LONDON
SUSTAINABILITY

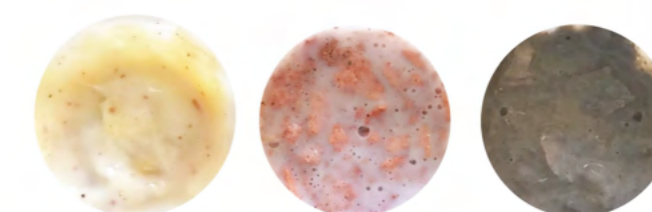
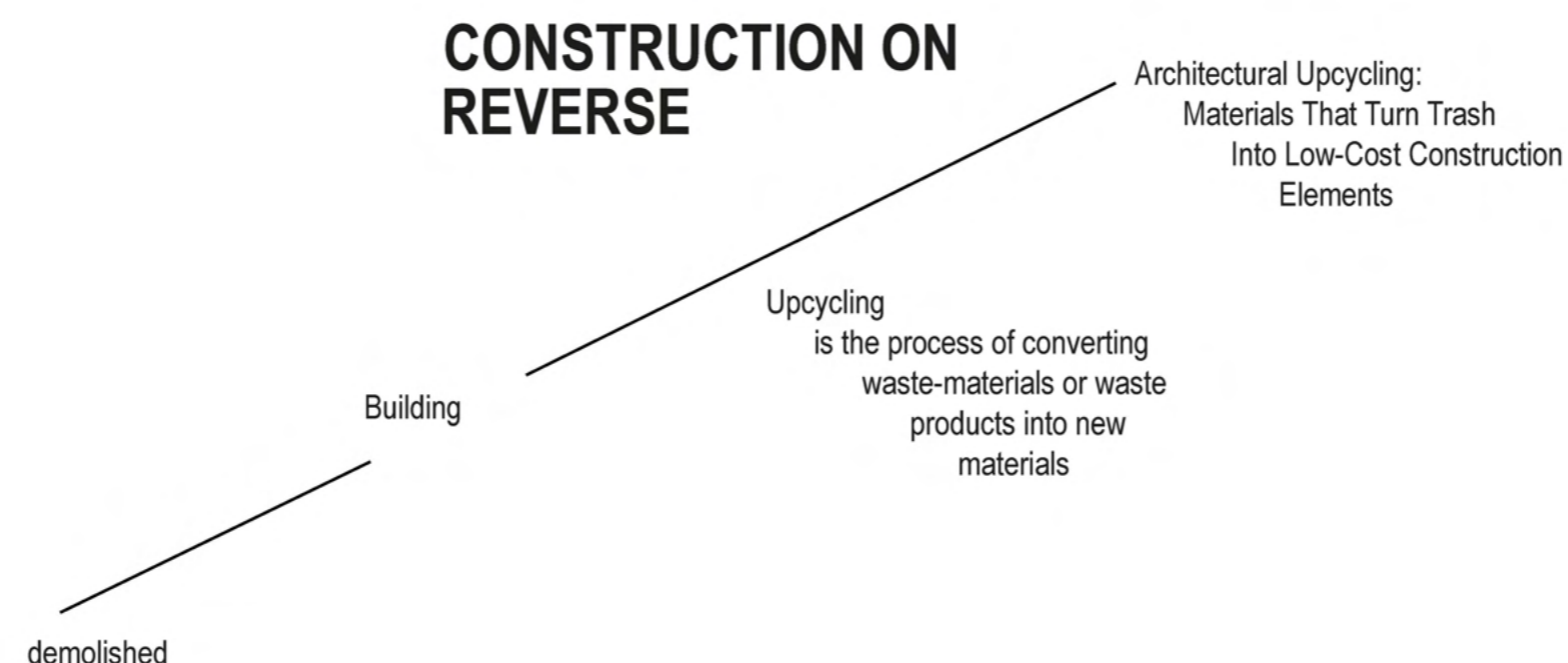
SAVE THE PLANET **#ACT NOW #TO PROTECT**

#THERE IS NO PLANET B **#CLIMATE CHANGE**

reverse no ' ' on esjæel

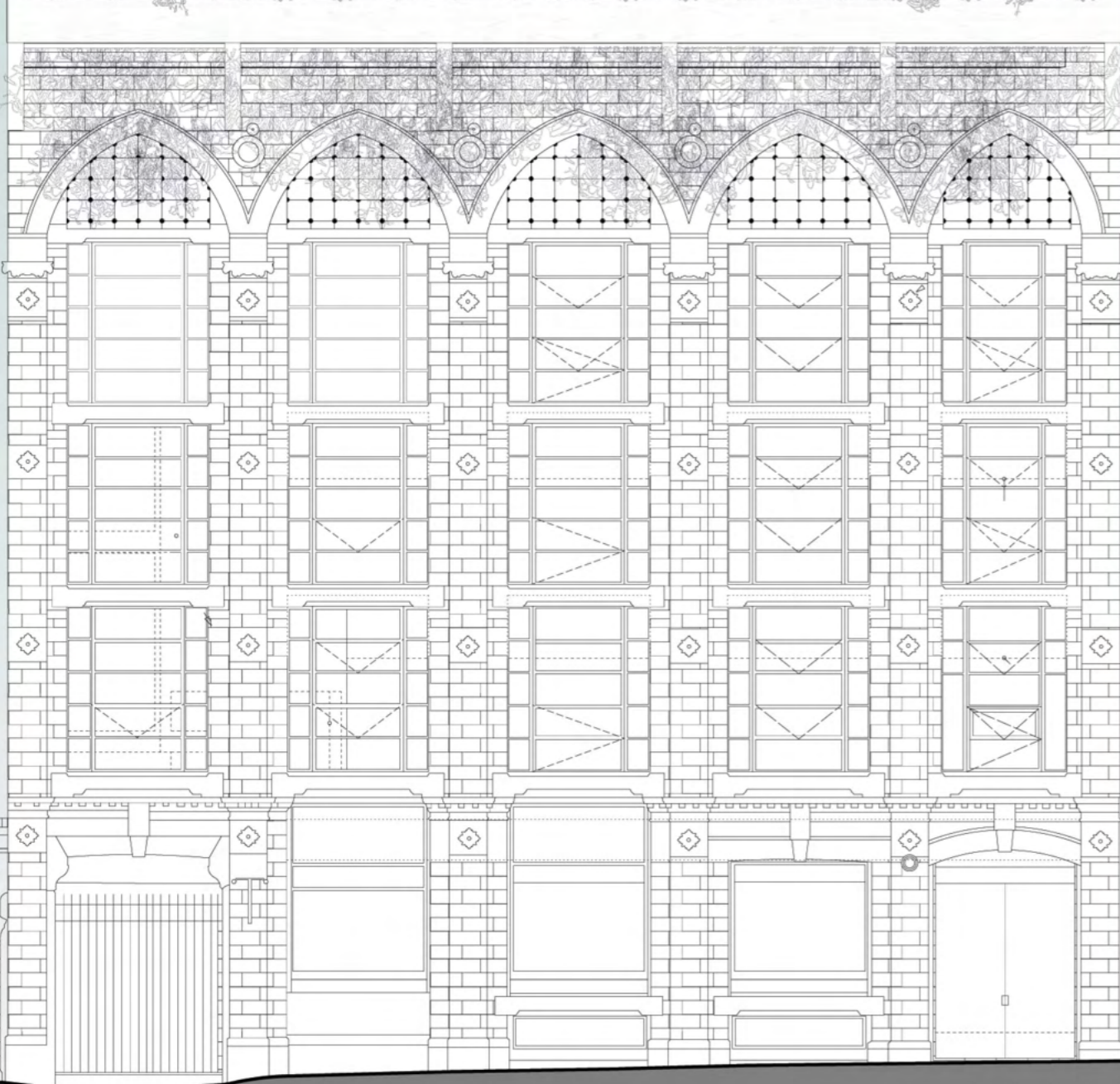
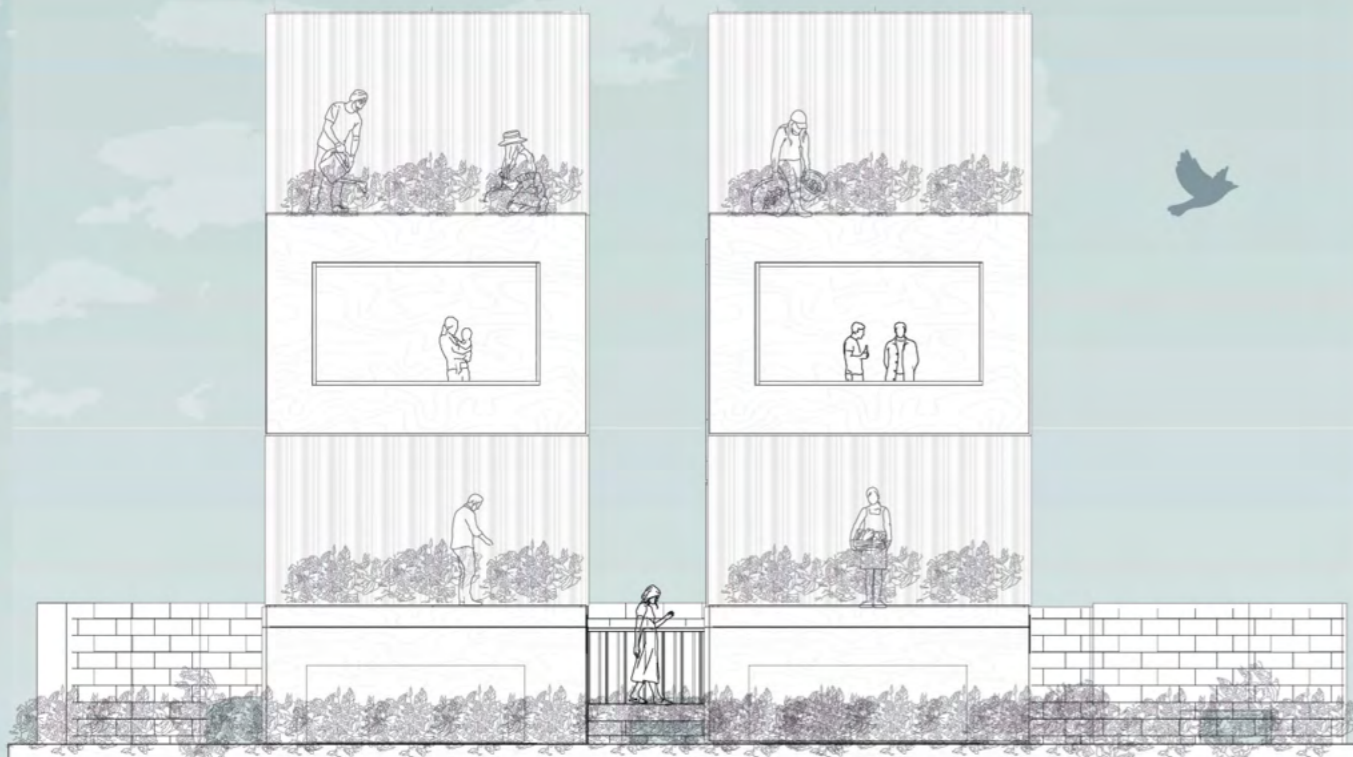


The concept of Home within Home is to create a vertical micro city, (a city within a city) within the existing Denmark House situated in Cowcross Street in London. Home within Home as my major project is integrated on the brief Home Futures I intend to design around social and political themes, as well as the impact of our actions on the environment. When we are the first generation to be aware of the environmental climate change, we must take immediate action. My final project is a call out to this issues that encourages a sense of awareness towards change. Activism is a crucial instrument for having an active voice in society, emphasising the significance of togetherness.



The future purpose for these new materials is to be used on my final project as kitchen counter tops, as gardening beds, planters or another type of surface.

HOME within HOME



0 1 2 3 4m 1:100

Residential

The programme is acting based on the following components: urban farming, co-living, communal kitchen and an educative Space.

The project will make sustainable living an integrated part of your daily life through integrated solutions such as water recycling, sustainable resources, food processing and composting. A zero waste kitchen and recycle. Communal living it will help the inhabitants to lower the housing expenses. Build entirely with materials that come from a sustainable source.

A residential areas for the inhabitants, with privacy to provide security to the inhabitants.

Indoor Garden

An indoor vegetable garden for a sustainable living. The fragility of the supply chains through which we obtain our food, and the political issues around it, has made clear that we need to grow our own food. The habits we accomplish today must be sustainable in the future.

Communal Kitchen

The kitchen will be run by the activist community to provide the meals and also workshops on how to cook meals on a zero waste basis as a way to reduce costs on food, it will be the focal point in the design the strength of togetherness is by gathering people around food to address this issues.

Repair cafe

Part of the educative part of the project I decided to incorporate a repair cafe that As an anti-capitalist practise, it teaches people how to fix their damaged technology and reconsider how they use it in the first place, as a first step toward environmental protection.

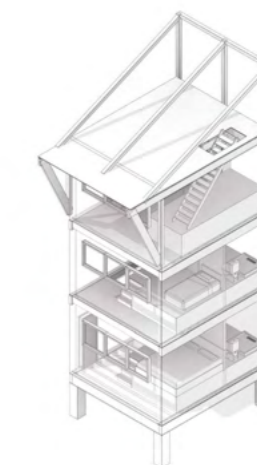
Some of the barriers to urban farming is a lack of space in densely populated cities.

In my project I want to address these issues by creating a vertical Micro - city, easy to assemble green houses.

I wanted to explore the possibility of achieving a lower ecological footprint. Each family is responsible for its green house and the produce is shared between the inhabitants in the kitchen.

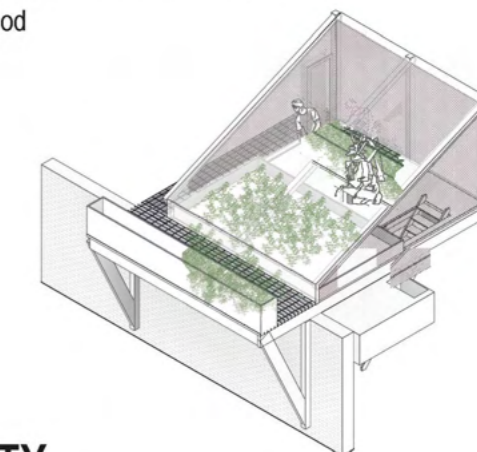
LIVING PODS

The verticality of the living pods will allow space to grow as long with family needs.



URBAN FARM

The green house is specifically designed to fit the vertical pods it aims to connect people to their food



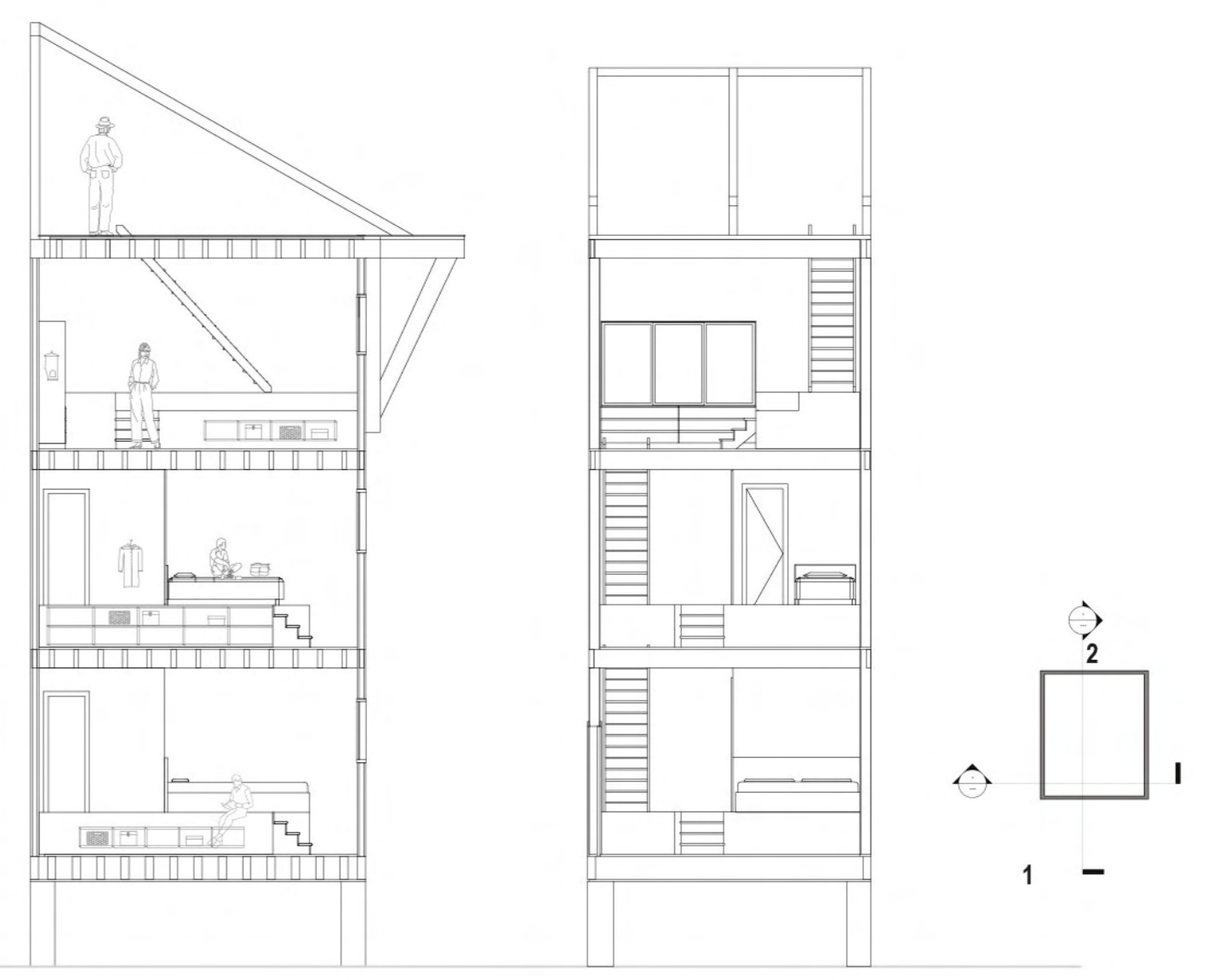
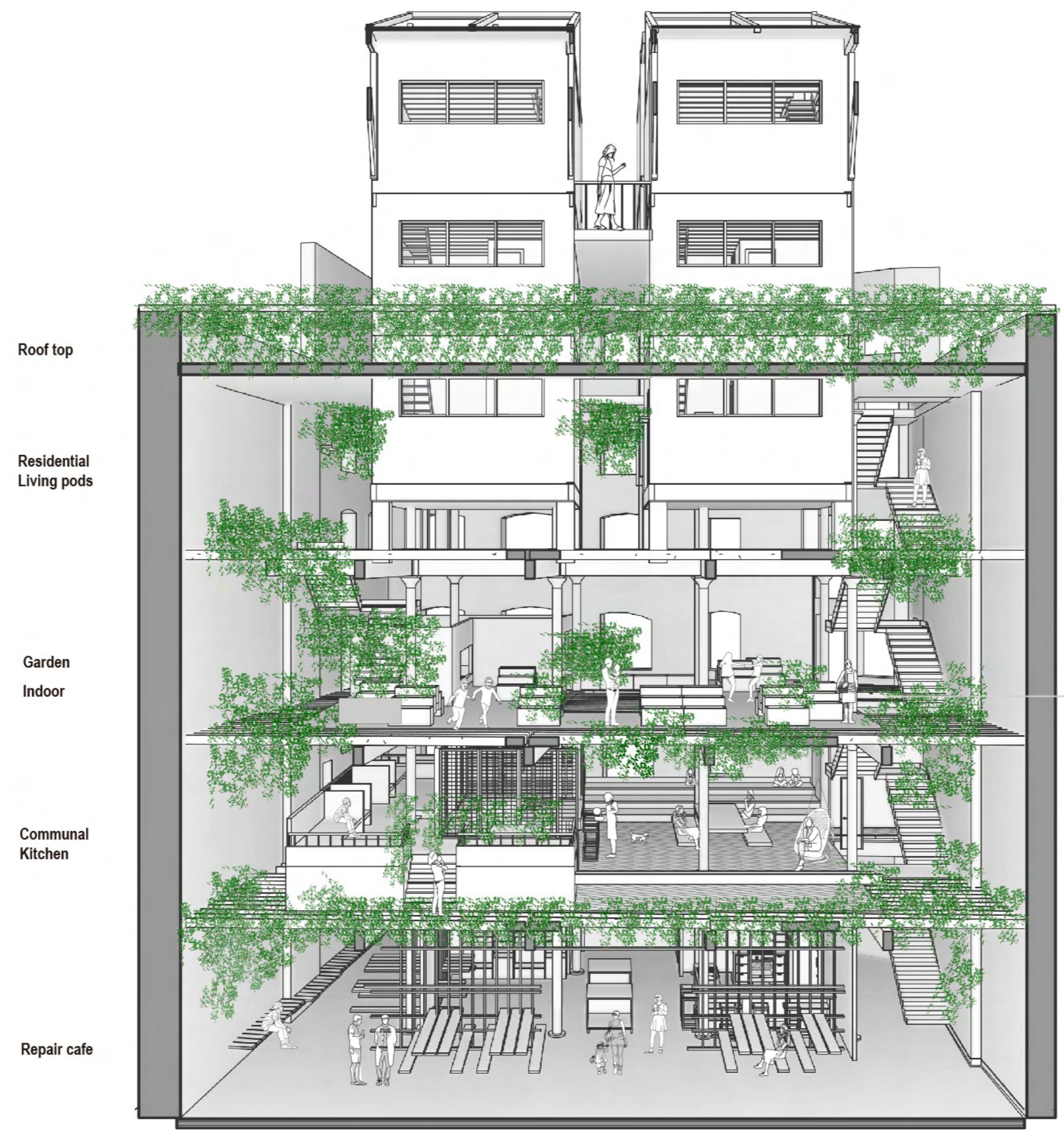
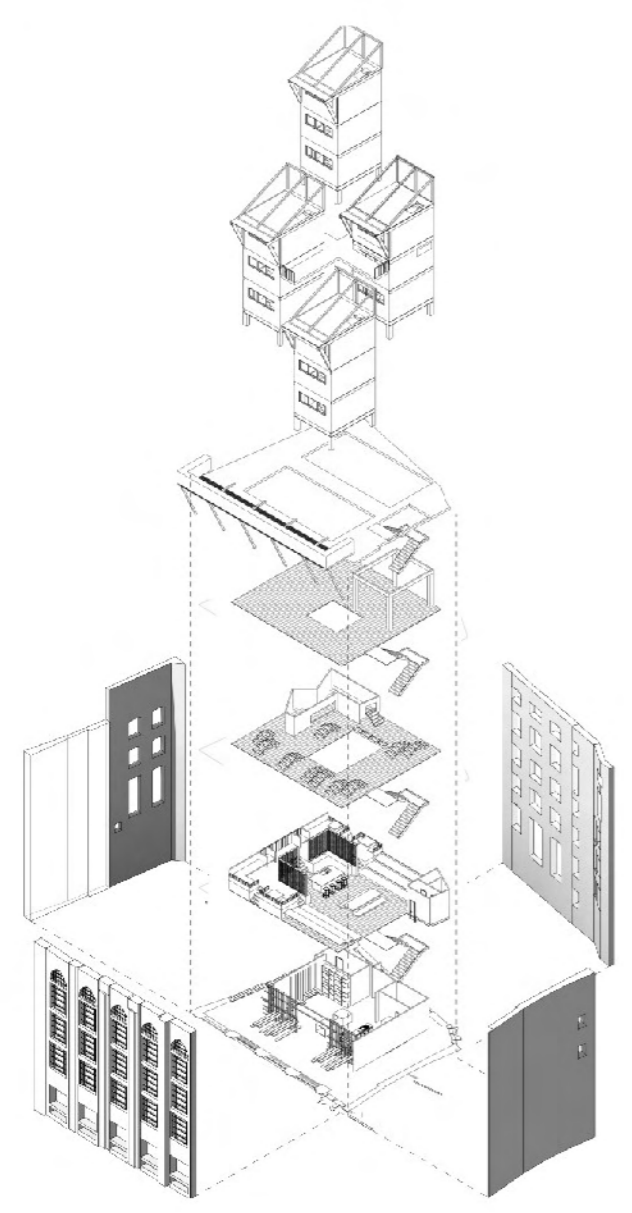
ACTIVIST COMMUNITY

The living pods are easy to assemble and can be expanded according to family's needs.

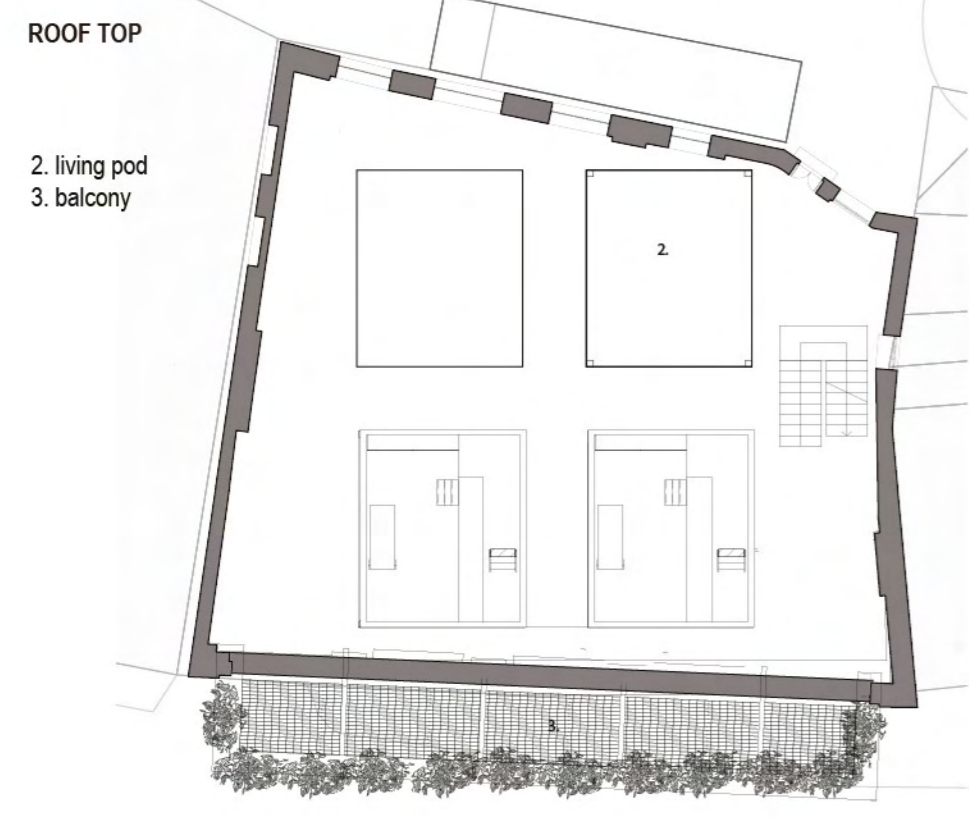


FACADE CONCEPT

The adaptive reuse serve as the key concept of sustainability and the concept that cultural heritage belongs to the community. The facade was is left untouched with minimum intervention, the insertion of elements are designed to not interfere with the original facade of Denmark House.



Residential Living Pods 1 2 1:100



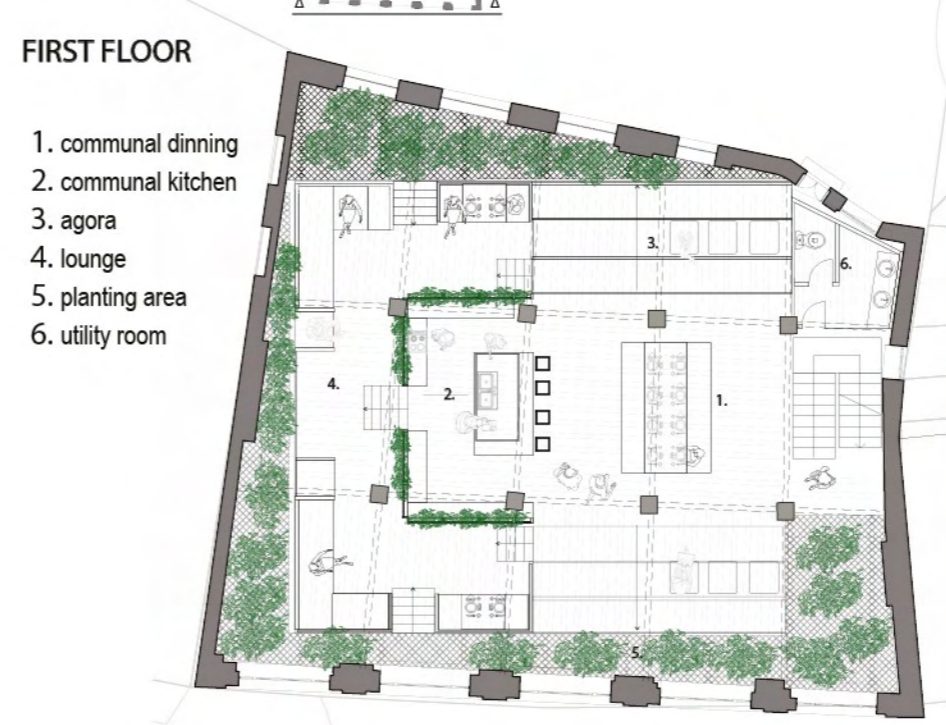
ROOF TOP
2. living pod
3. balcony



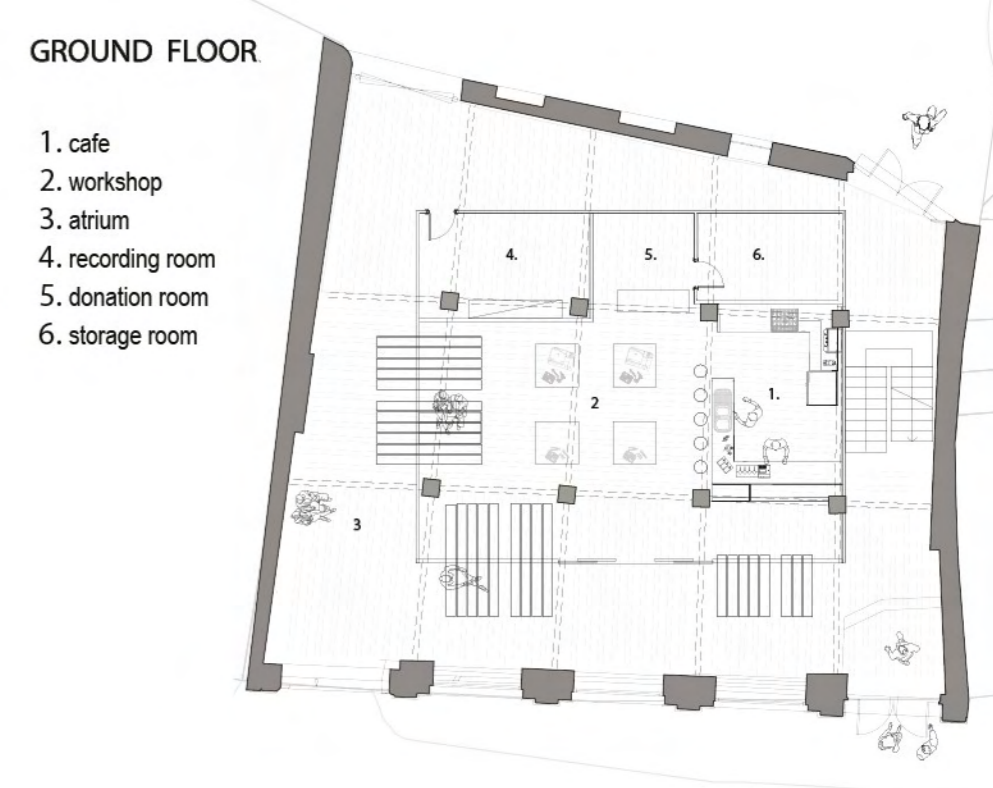
THIRD FLOOR
1. living pod
2. possible extension
3. growing areas



SECOND FLOOR
1. growing areas
2. children indoor playground
3. utility rooms

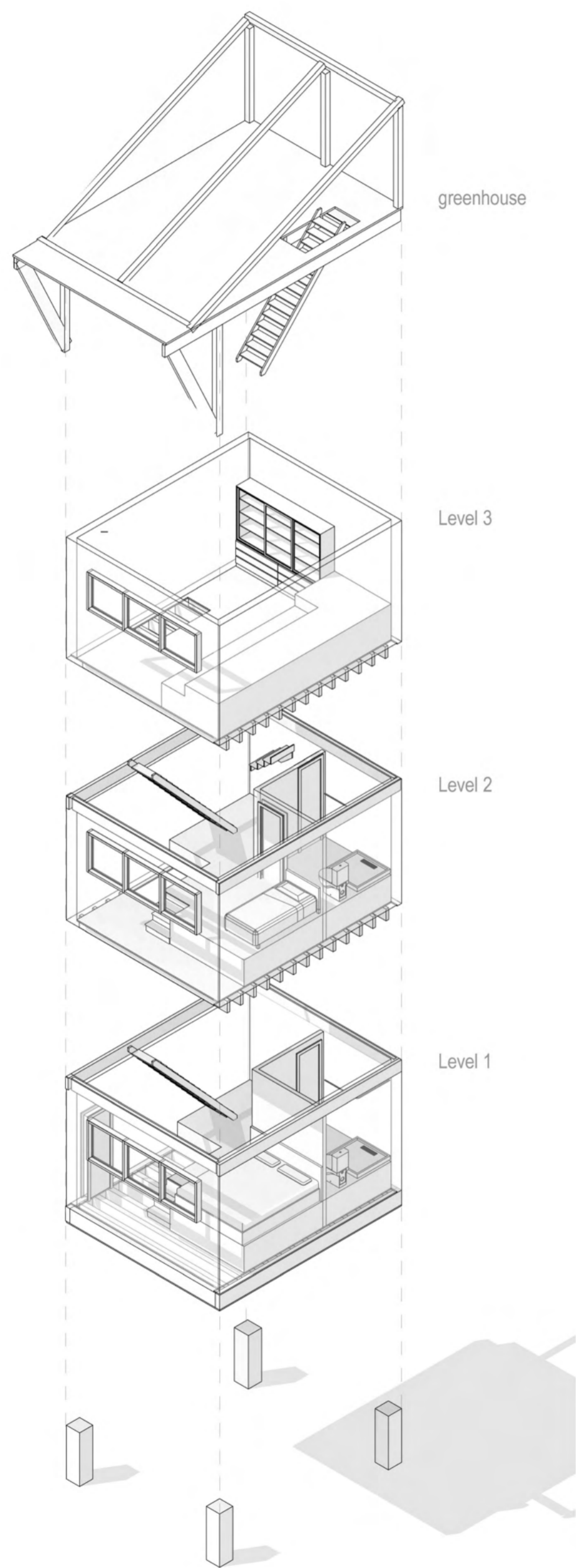


FIRST FLOOR
1. communal dining
2. communal kitchen
3. agora
4. lounge
5. planting area
6. utility room



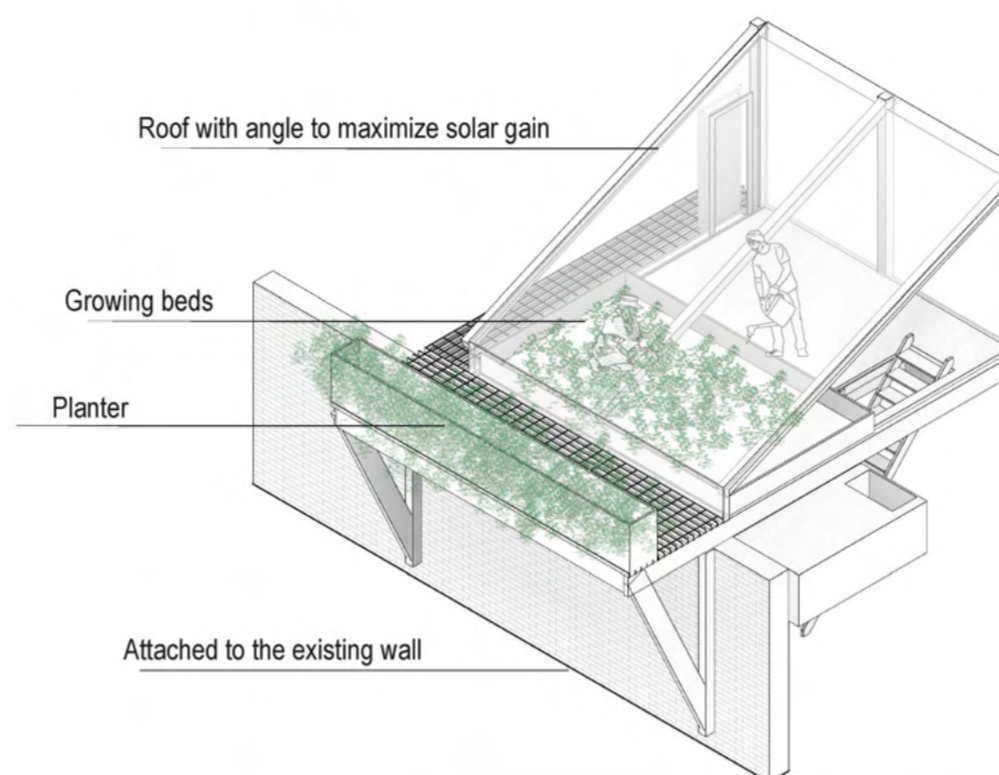
GROUND FLOOR
1. cafe
2. workshop
3. atrium
4. recording room
5. donation room
6. storage room

LIVING PODS



1:100

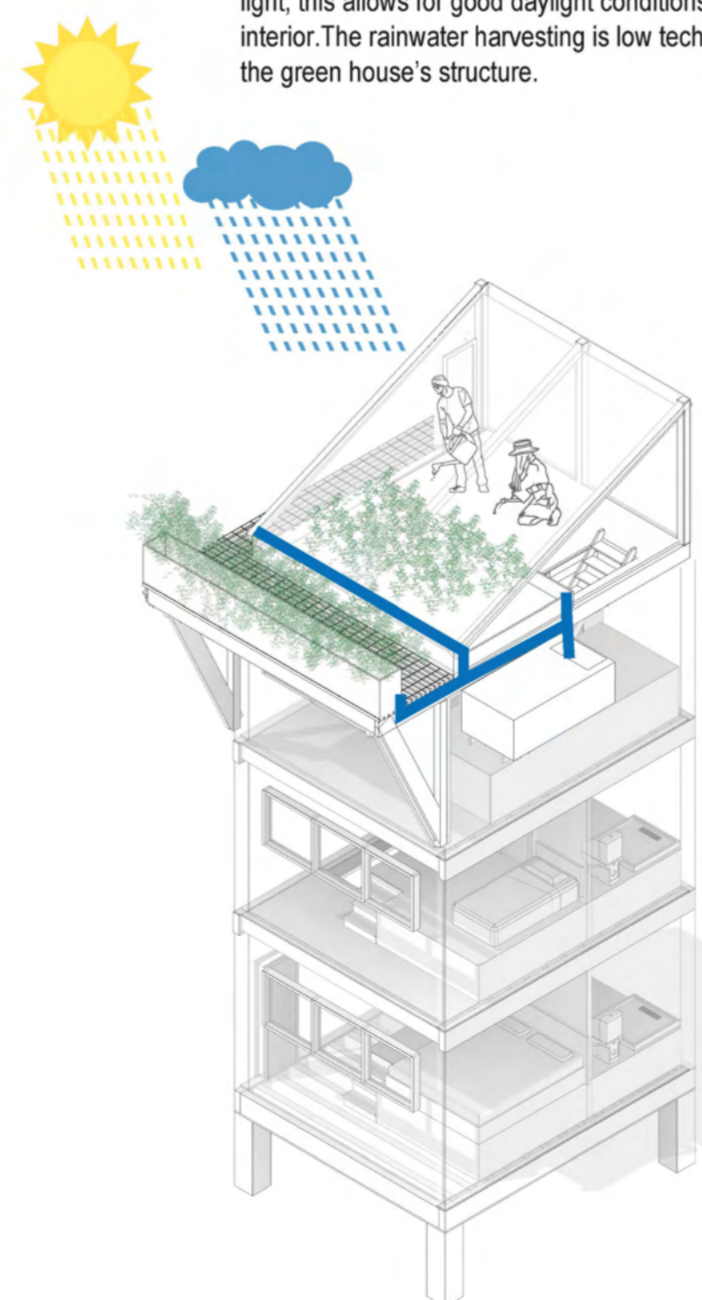
GREEN HOUSE



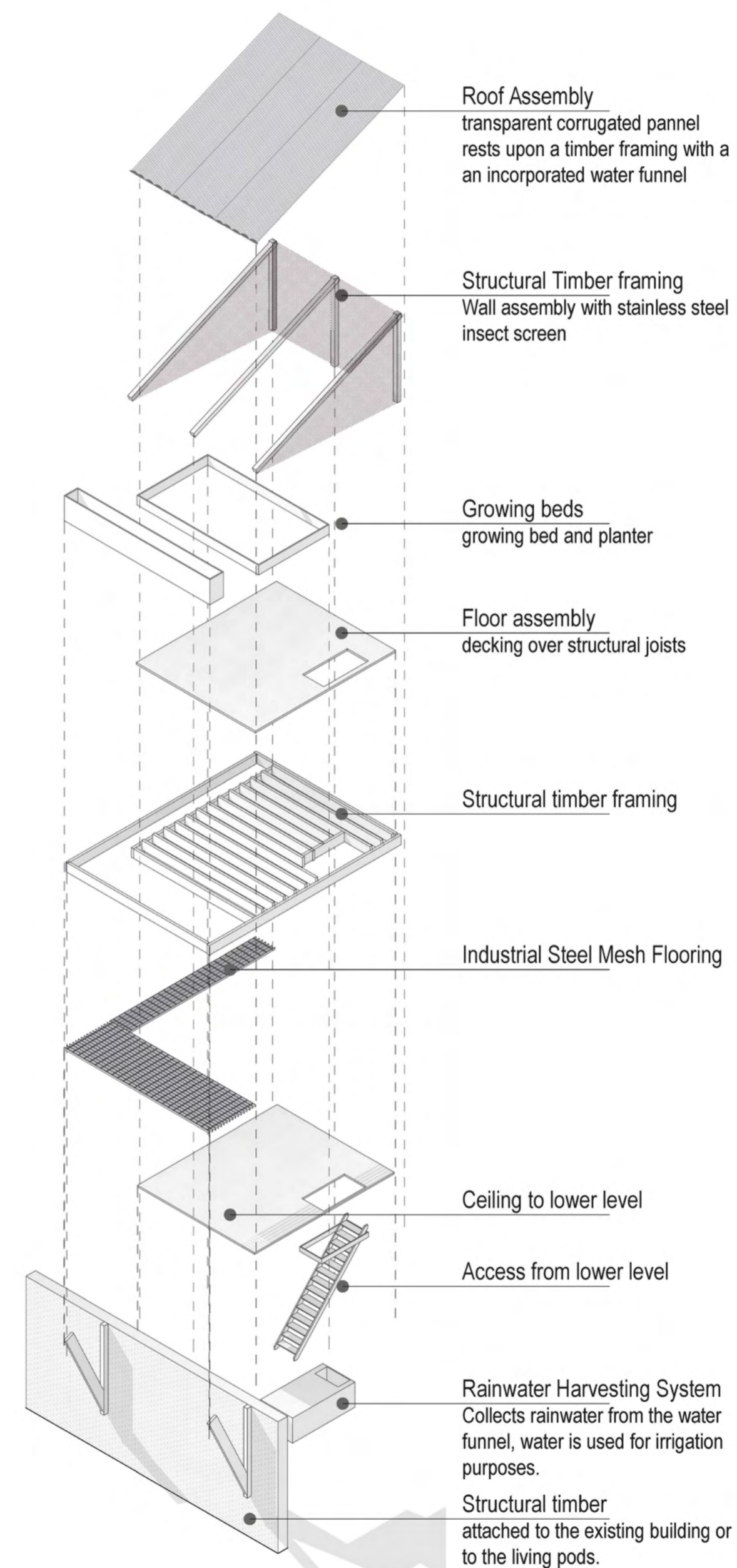
The future of sustainable living is dependant on the food we eat and the impacts that have in the environment, by creating growing practices we can contribute a lot for our well-being but also animals and environment. I developed an attached module that is a green house, easy to assemble for everyone to be able to afford for its low-cost construction.

ENVIRONMENTAL STRATEGY

The main focus of this project has been in environmental systems and strategies. To optimise solar gain, the green houses are situated to the south in a higher elevation to allow light to reach the interior of the building, the structure is airy and open, the circulation is on west side, keeping the north and south facade open to allow natural light, this allows for good daylight conditions through the interior. The rainwater harvesting is low tech and is attached to the green house's structure.



GREEN HOUSE CONSTRUCTION DETAIL

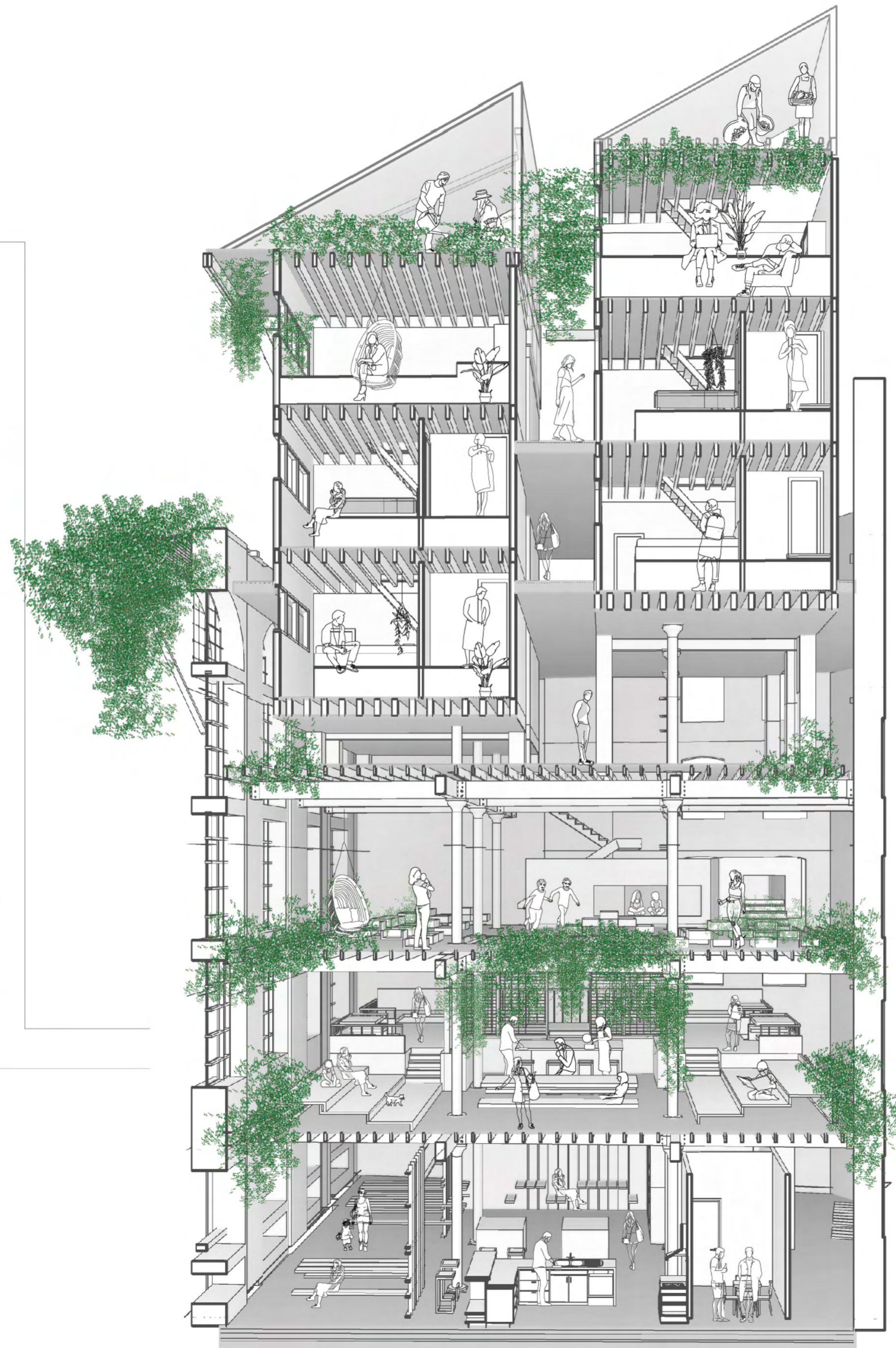


EXPLODED AXONOMETRIC 1:100

THE COMMUNAL KITCHEN



THE AGORA



THE INDOOR VEGETABLE GARDEN PLAYGROUND



THE REPAIR CAFE

