THEWAREHOUSE

where «our» is everyone

The Warehouse is a transformative architectural project inspired by the bodegas found in Lisbon's waterfront.

The project seeks to create sustainable and modern spaces that integrate the community, culture, and nature of the city. It will repurpose three distinct buildings, designed to promote social interactions, cultural activities, and sustainable living for the community of Lisbon.

The space intends to be welcoming and comfortable, providing visitors the freedom to explore and discover the amenities it has to offer. The project is an exciting and innovative estate that seeks to strengthen the sustainable developments of Lisbon.

The Warehouse functions as a dynamic living system that employs multiple mechanisms tailored to each individual user's needs

THETEAM

Universidad Iberoamericana Presentation: 26

Instructors Arq. Gerardo Velazquez Arq. Victor Arvizu





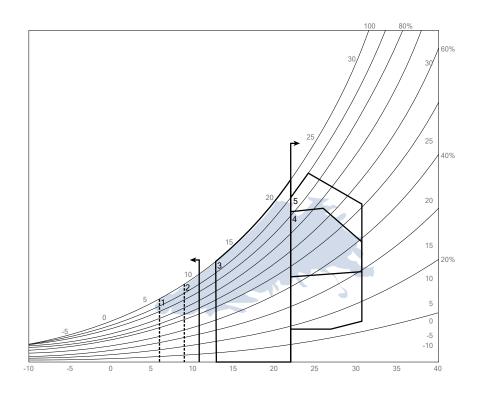
Iñigo Artigas



Alejandro Gutiérrez

OURANALYSIS

Psychometric chart: main bioclimatic strategies to achieve thermal confort



Generic Bioclimatic strategies

strategies

The_Warehouse

 $1 \quad \hbox{Passive Solar Gain Low Mass } 20.5\%$

2 Passive Solar Gain High Mass

3 Internal Heat Gain 62.7%

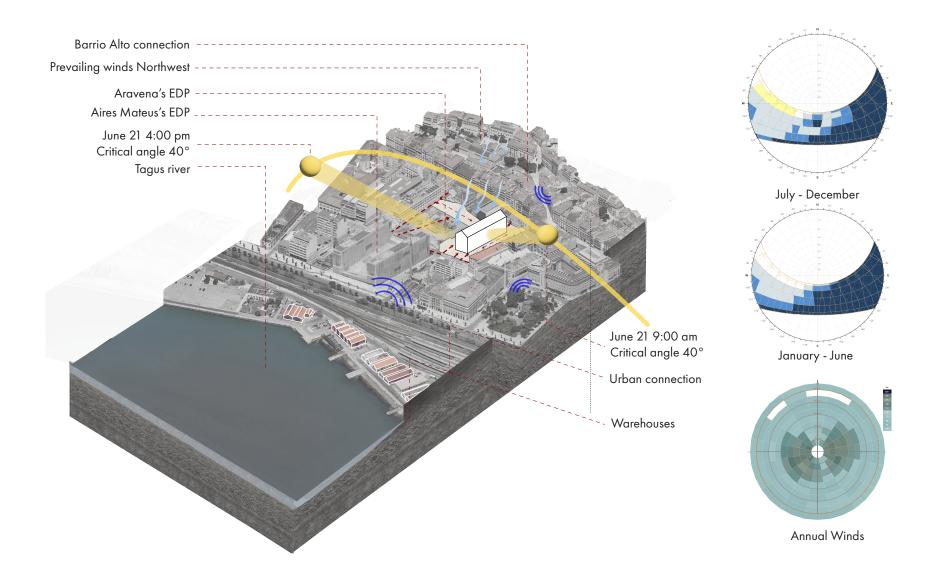
4 Fan Forced Ventilation 3.5%

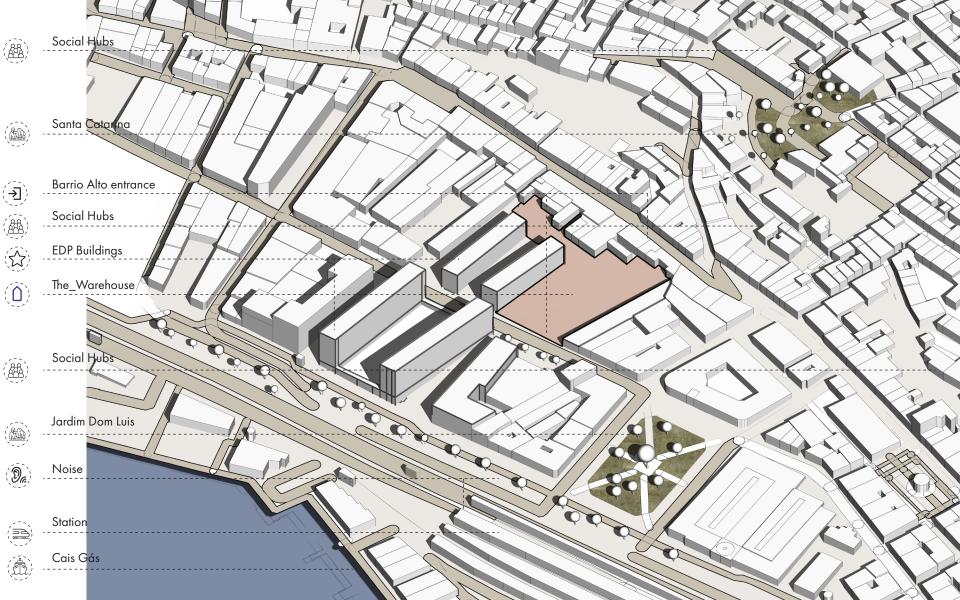
5 Natural Ventilation 3.5% Total comfort 90.50% (Greenhouse)

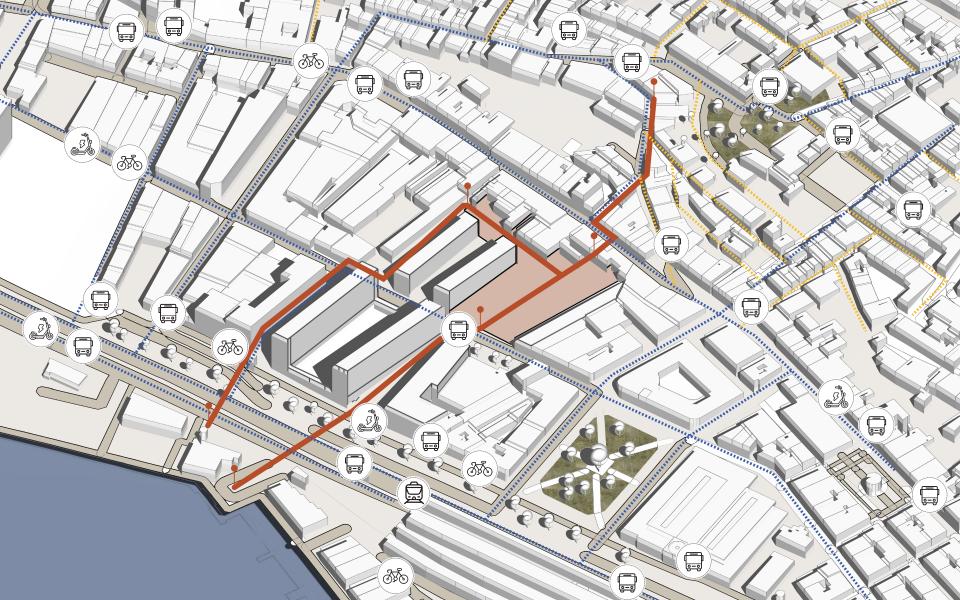
(Greenhouse) (Insulations)

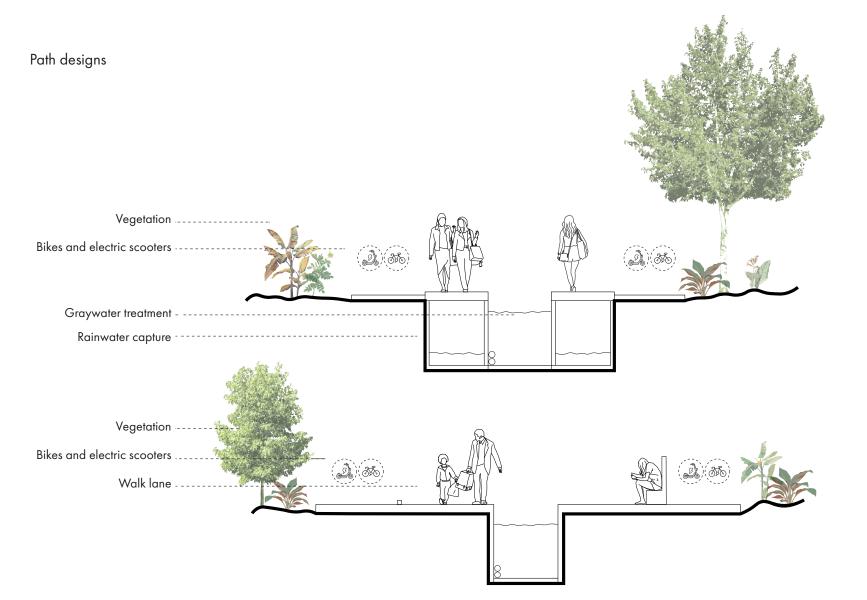
(Air renovation)

(Crossed Vent.)









OURCONCEPT

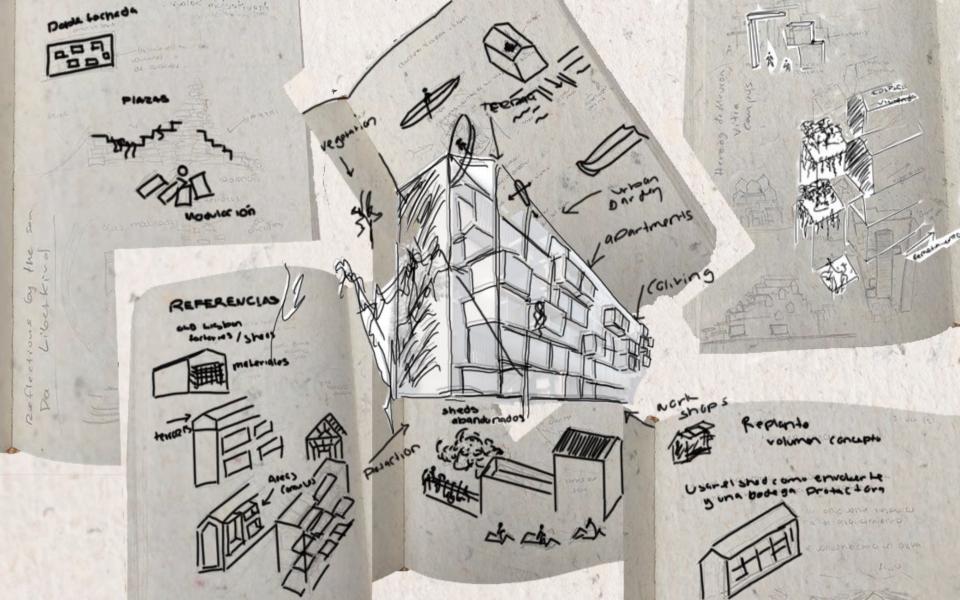


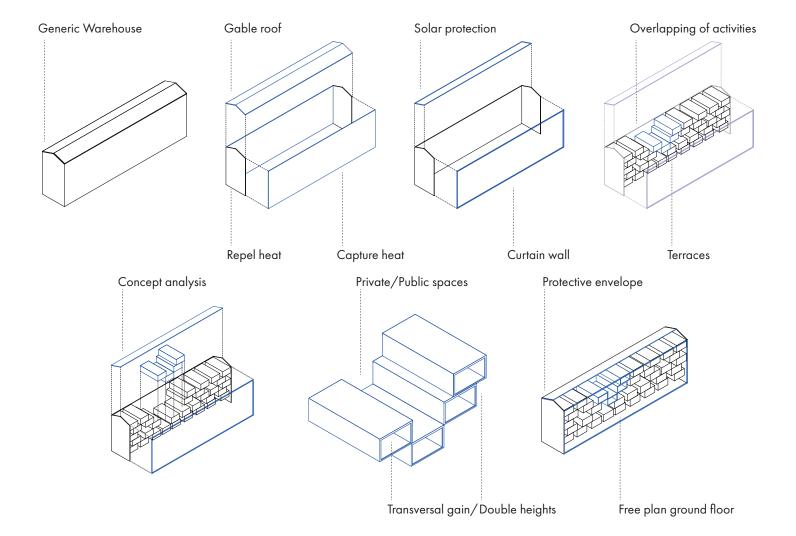
"The warehouses in Lisbon embody the spirit of innovation and progress that has shaped our modern world. Seeking to capture their essence and channel it towards a new architectural vision.

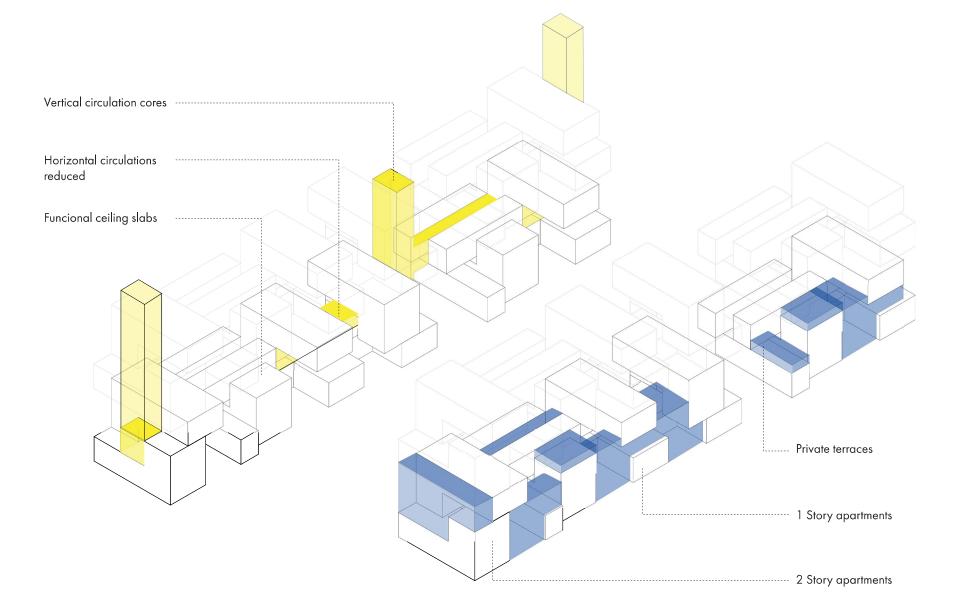
The Warehouse is a tribute to the boldness and creativity of a revolution. By fusing timeless elegance with cutting-edge technology, we hope to create a space that inspires and empowers, one that will stand the test of time and leave a lasting legacy for generations to come."



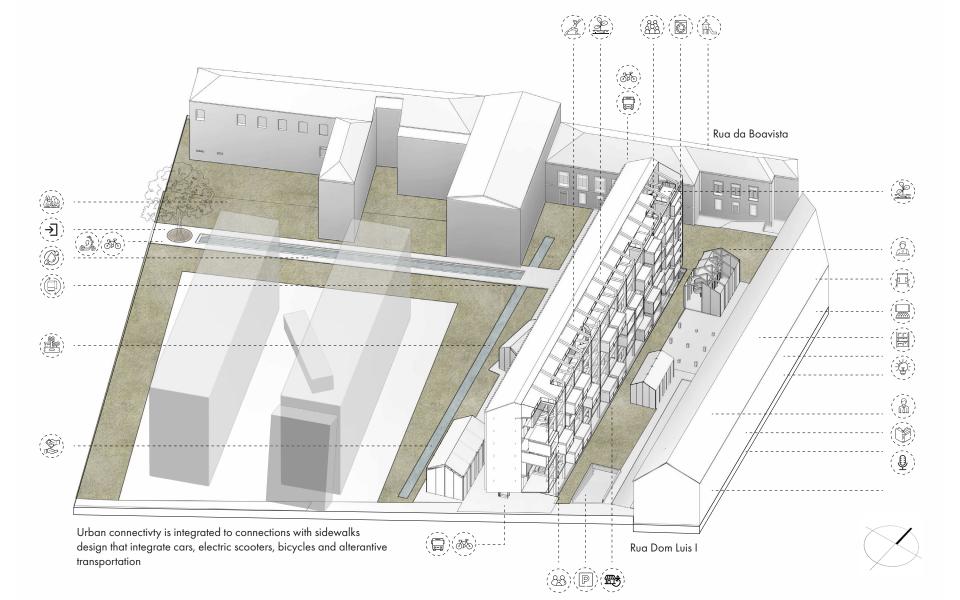
OURDEVELOPMENT







OURPLAN

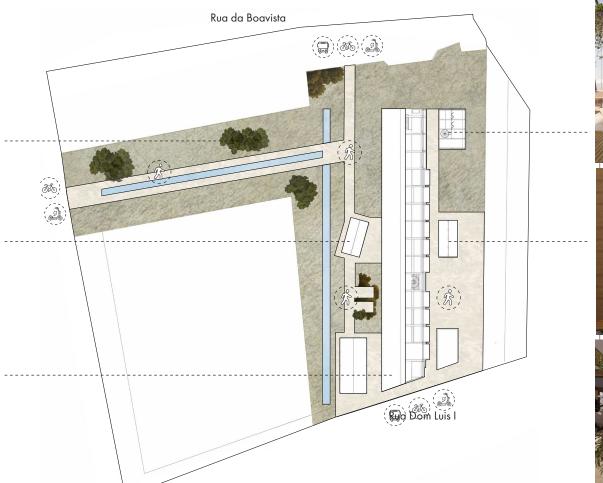




Atelier

Green terrace









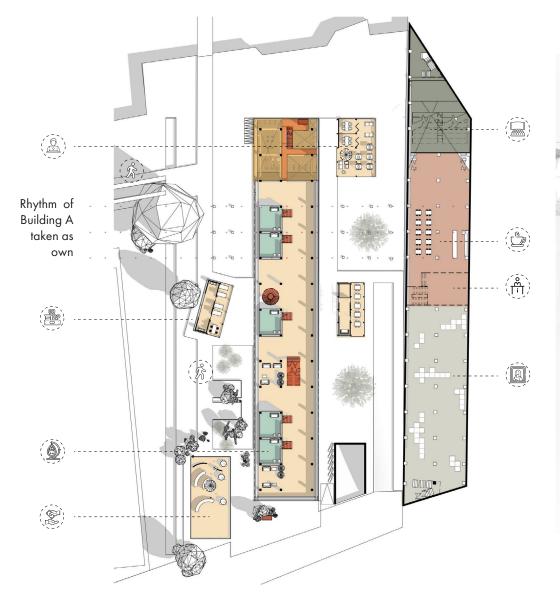


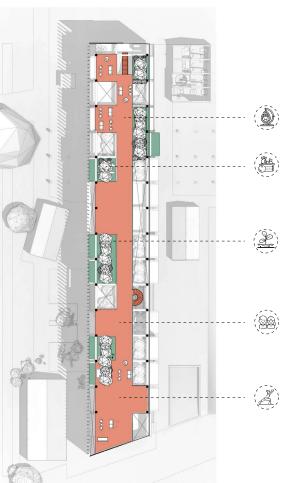
Community spaces

Local Market

OURHOME



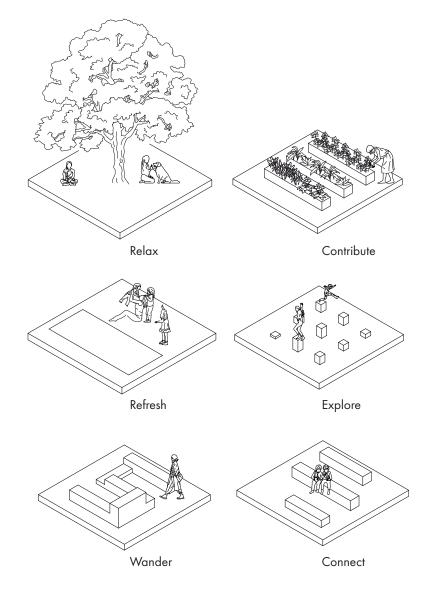


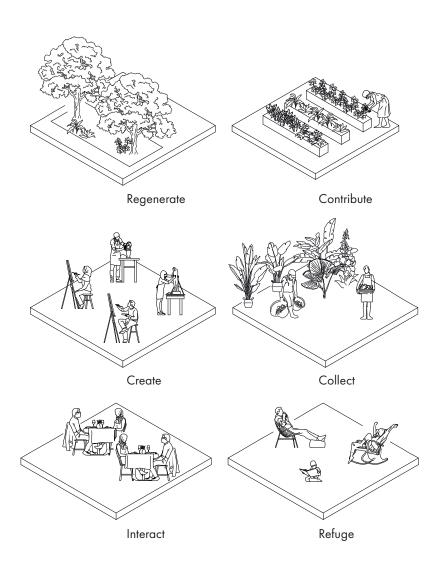


General plan

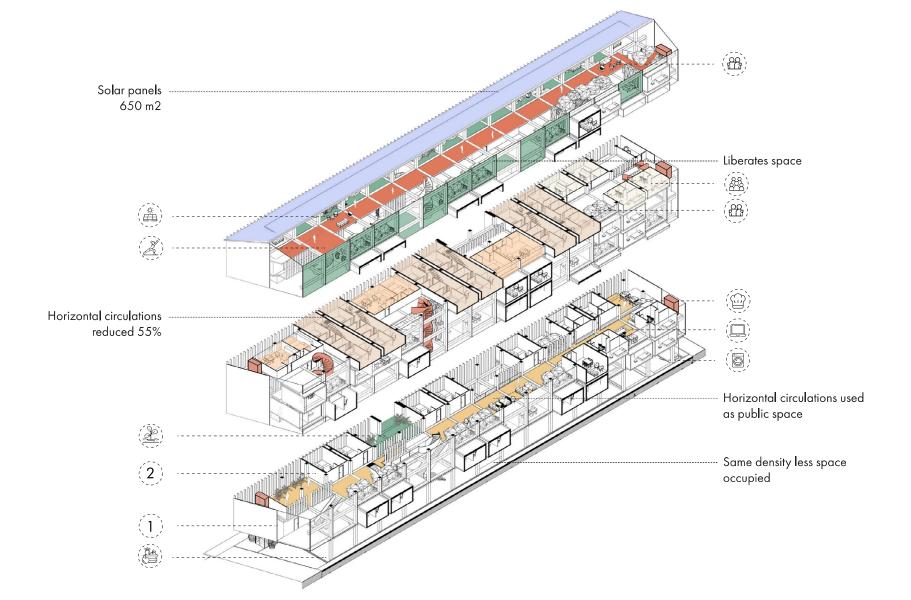
2 Story apartments Co-livings 24 Livings 46 ${\sf Bedrooms}$ Bedroom $(\widehat{\underline{\mathbb{B}}})$ General floor plan



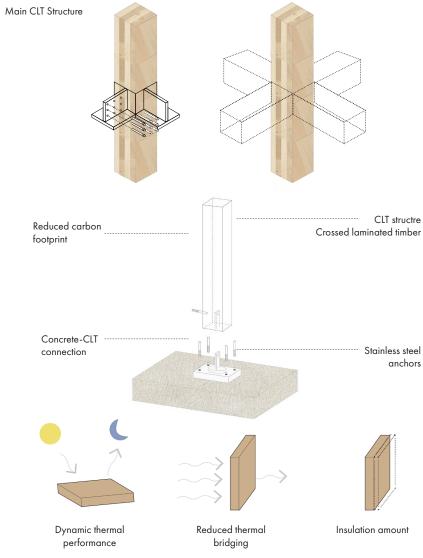




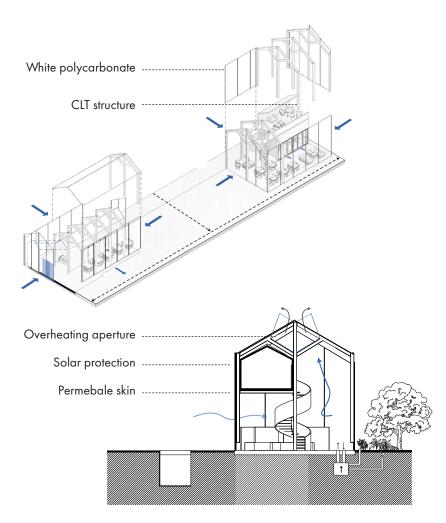




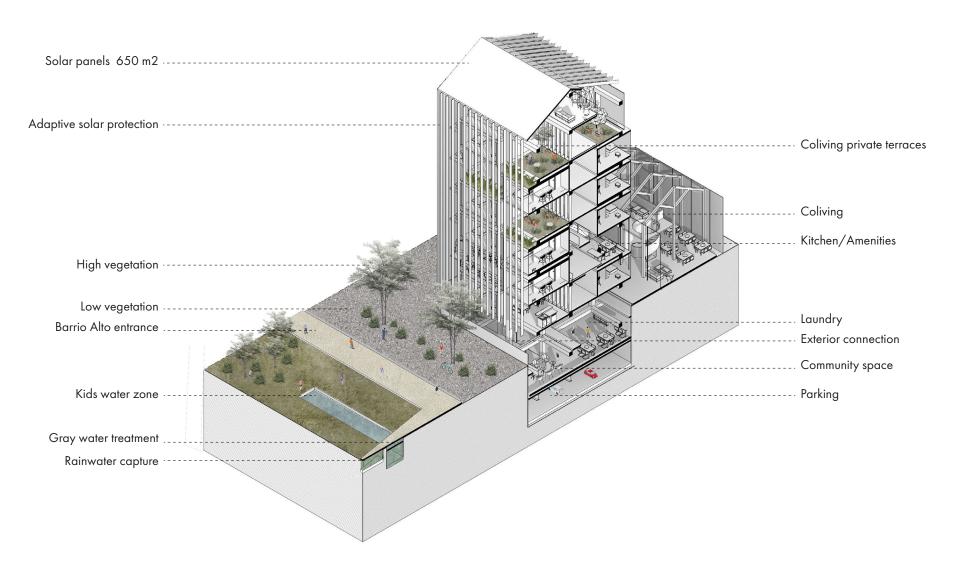




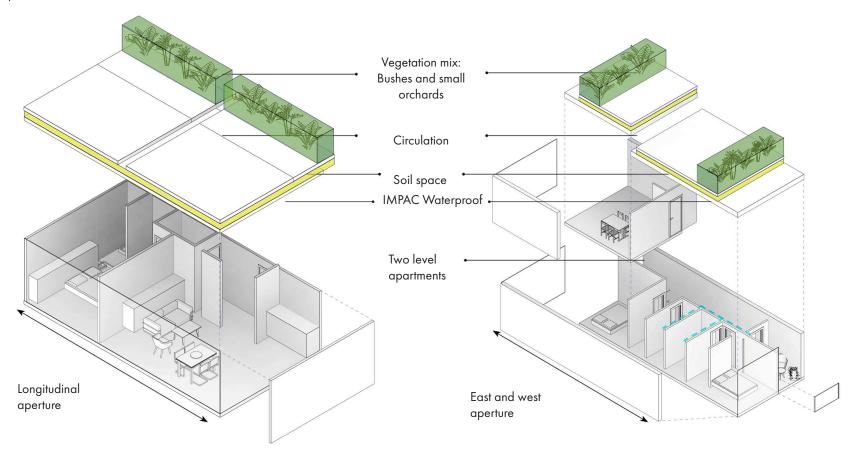
Bioclamatic public sheds

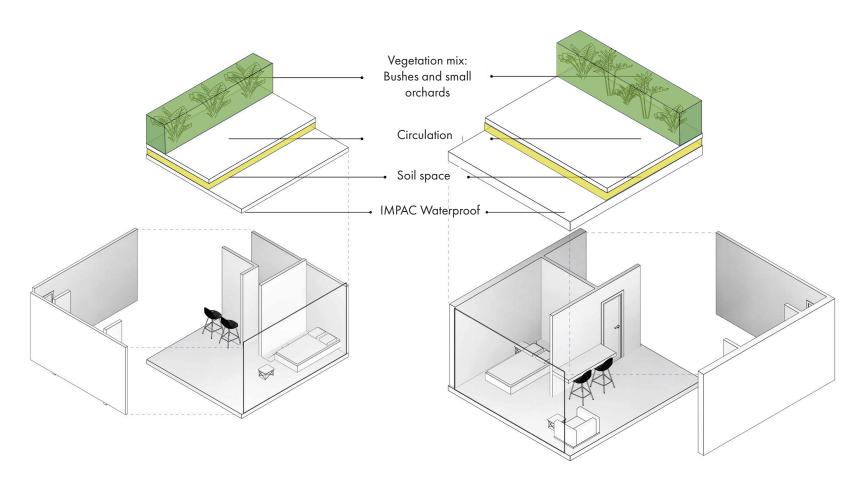


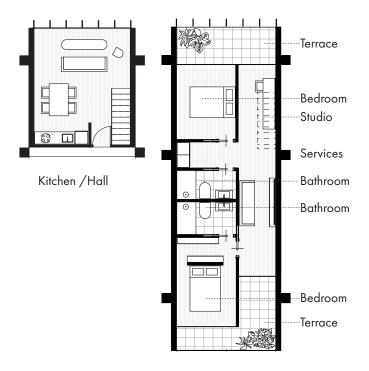


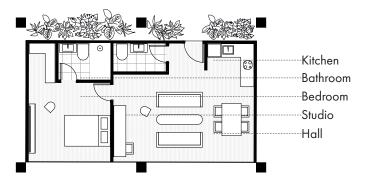


Apartments

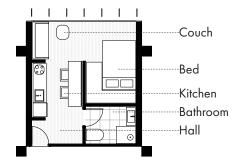






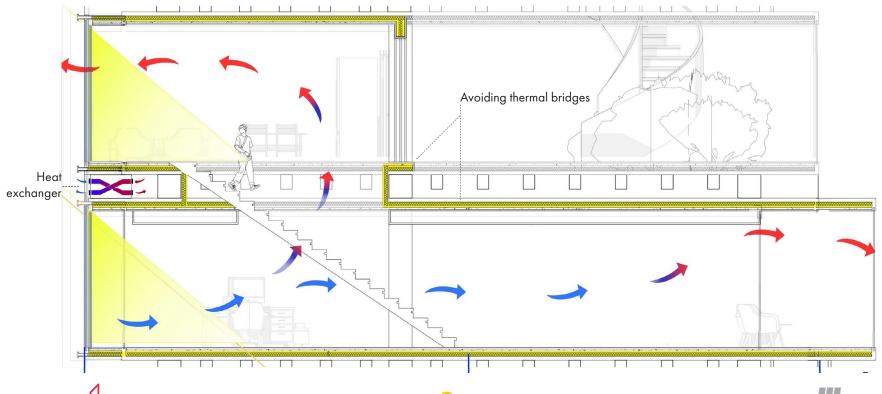


Coliving





Double apartment scheme





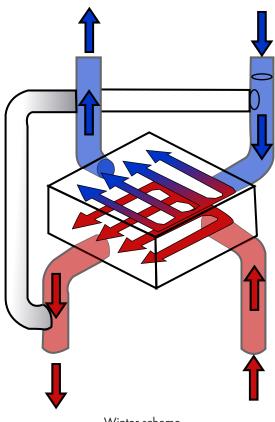




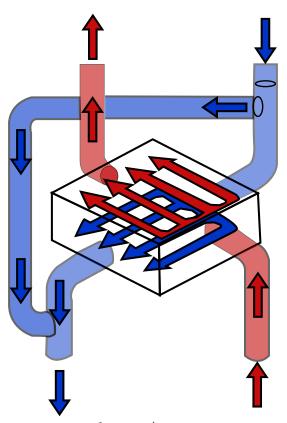
West

Heat exchanger:

Air renovation for apartments and passive heating in public areas

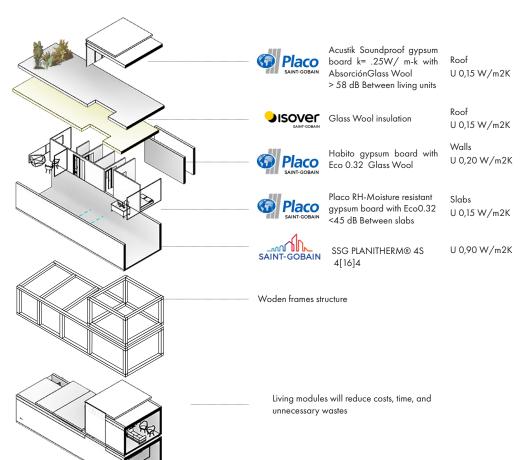


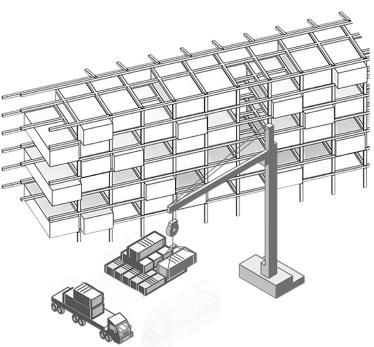
Winter scheme



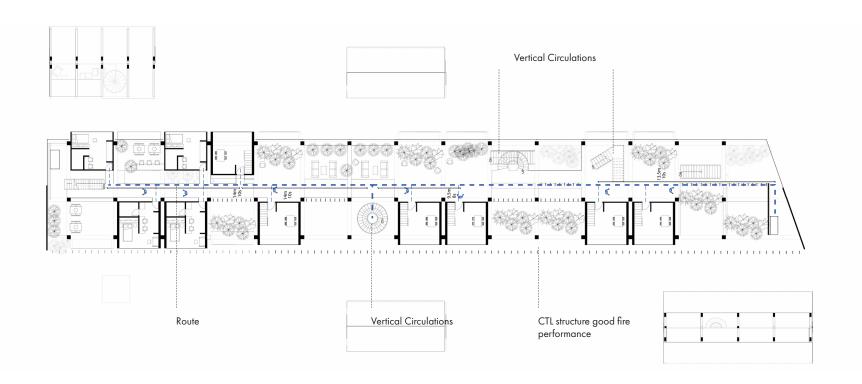
Summer scheme

Lightweight prefabric modules construction off site, assembled on site





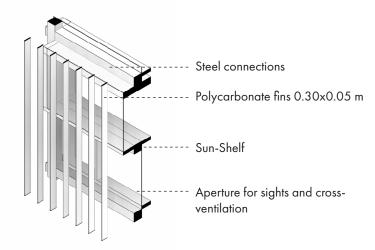
The combination of choosing high performance materials, wooden strucutre from sustainable forests, and design, help this lightweight scheme to reduce the carbon print

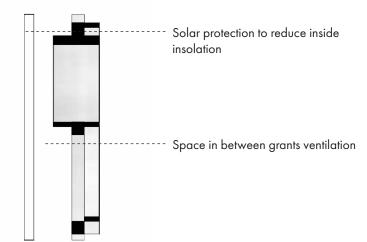






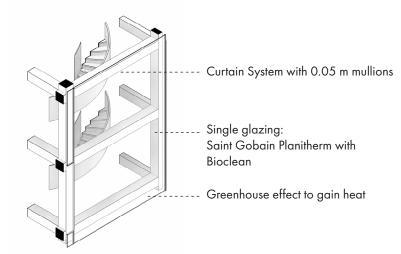
West Facade

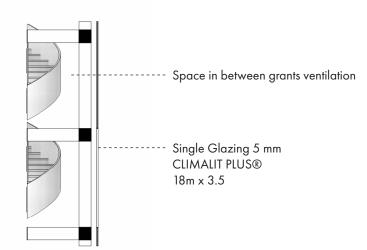




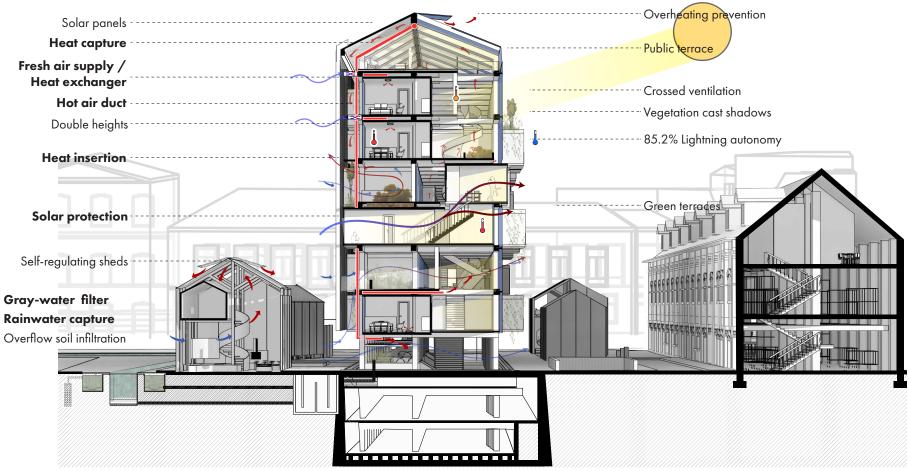


East Facade

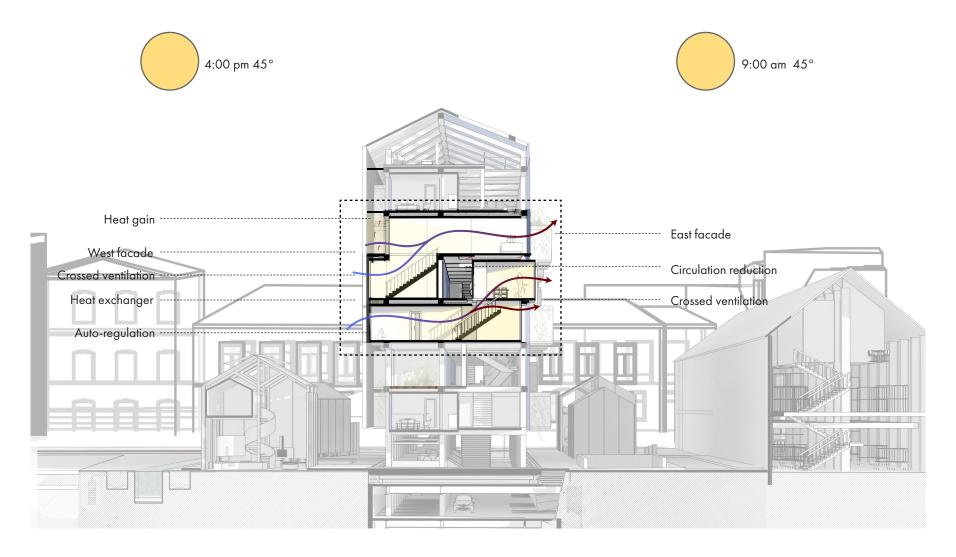




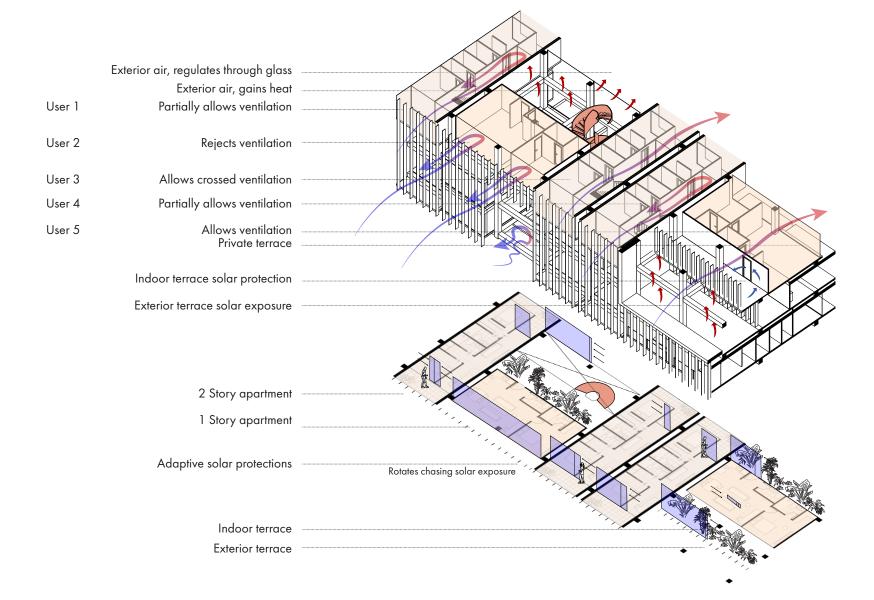
ADAPTABILITY



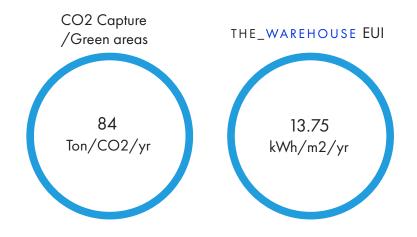
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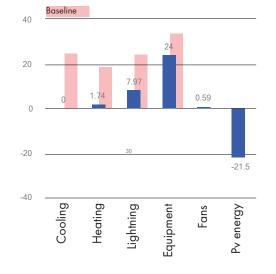


The user is granted both facades to have their own internal control. This provides sights, airflow, and daylight autonomy.



OUR RESOURCES





Energy consumption during operations will be managed by regulating equipment energy consumption

The warehouse compared to a traditional building

