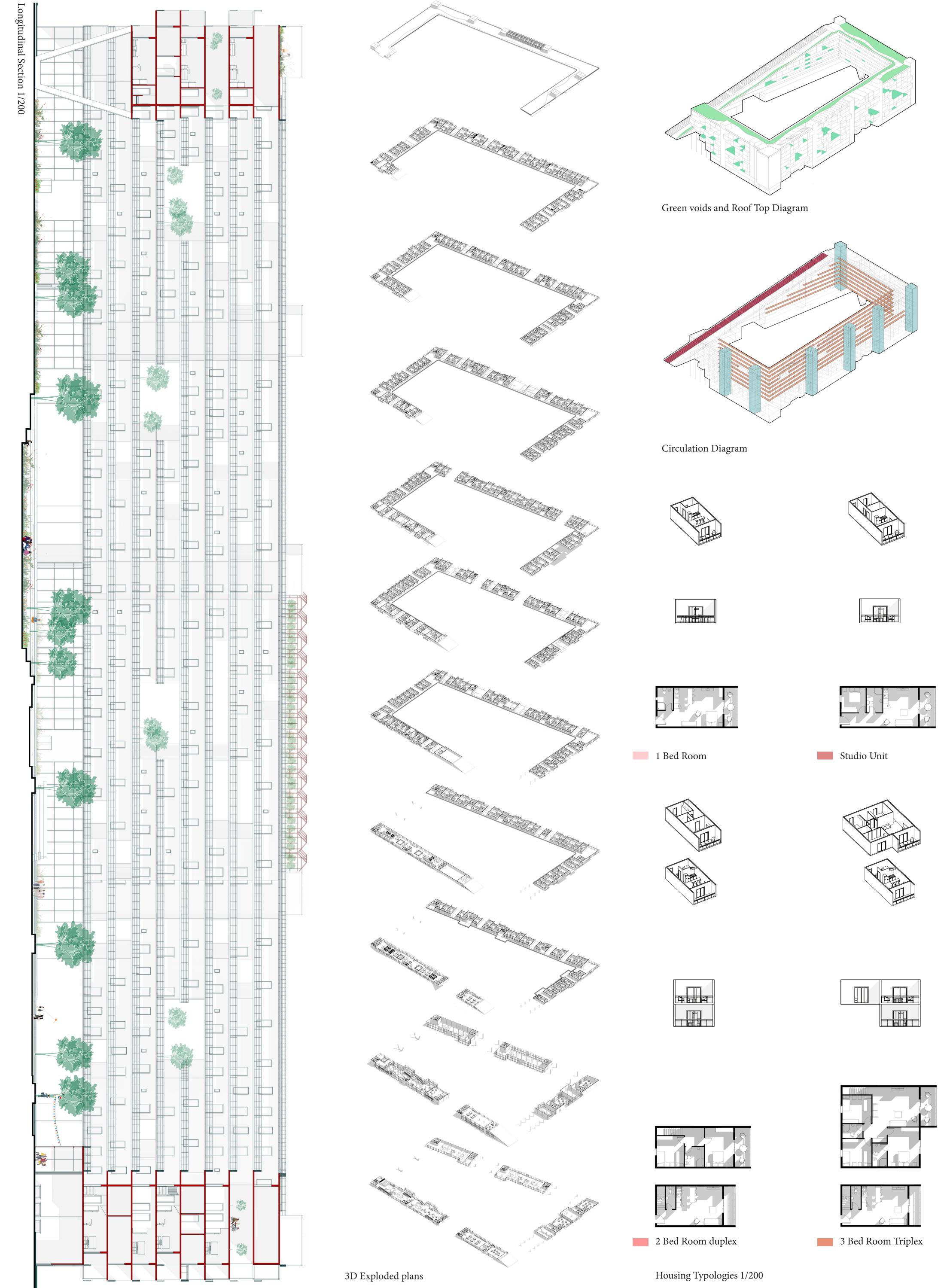
A.A. 2022/2023

Politecnico di Milano Student: Omar Mahdy
Supervisor: Michele Roda
Sustainable Architecture & Landscape Design





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GROUND FLOOR PLAN 1/400

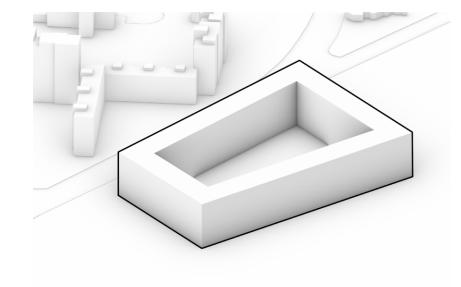
Outdoor Program

- 1. Edible Gardens & Orchards
- 2. Outdoor flexible market
- 3. Urban Farming
- 4. Nature Sanctuary
- 5. Outdoor Amphitheater
- 6. Playground
- 7. Outdoor Gym
- 8. Outdoor Art Gallery Classes
- 9. Outdoor Reading Space
- 10. Outdoor children area
- 11. Out door sitting & dinning
- 12. Outdoor cafe sitting
- 13. Outdoor Working space

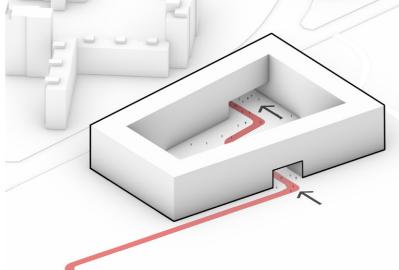
Indoor Program

- 14. Market
- 15. Library
- 16. Co-working space 17. Cafe
- 18. Bike shed
- 19. Workshop/Art Gallery20. Local Restaurants
- 21. Community Events Room

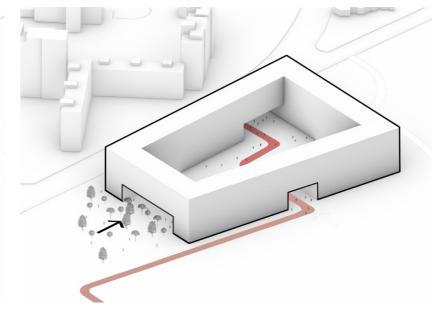




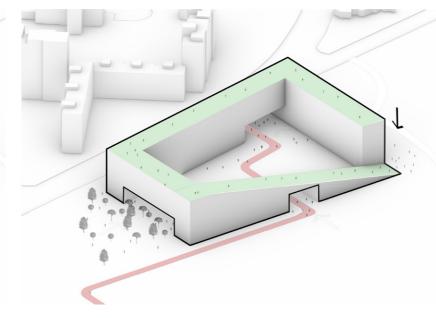
1. Courtyard: Creating a sanctuary for the residents in the heart of the block



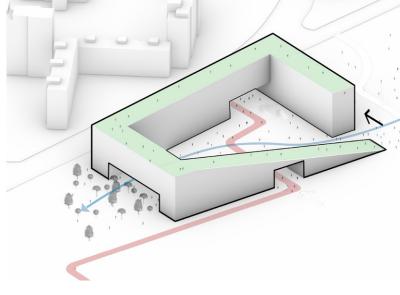
2. Permeability: Respecting the existing route and enhancing the accessibility between outside and inside



3. Acting with: Respecting the existing vegetation by flipping-up the western facade



4. Open-to-all: Making the building accessible from the ground by facilitating the way to the green roof top which acts as a social layer in the project



5. Porosity: Make the courtyard fully accessible from 4 sides and thus foster the relationship between the building and the outer greeneries



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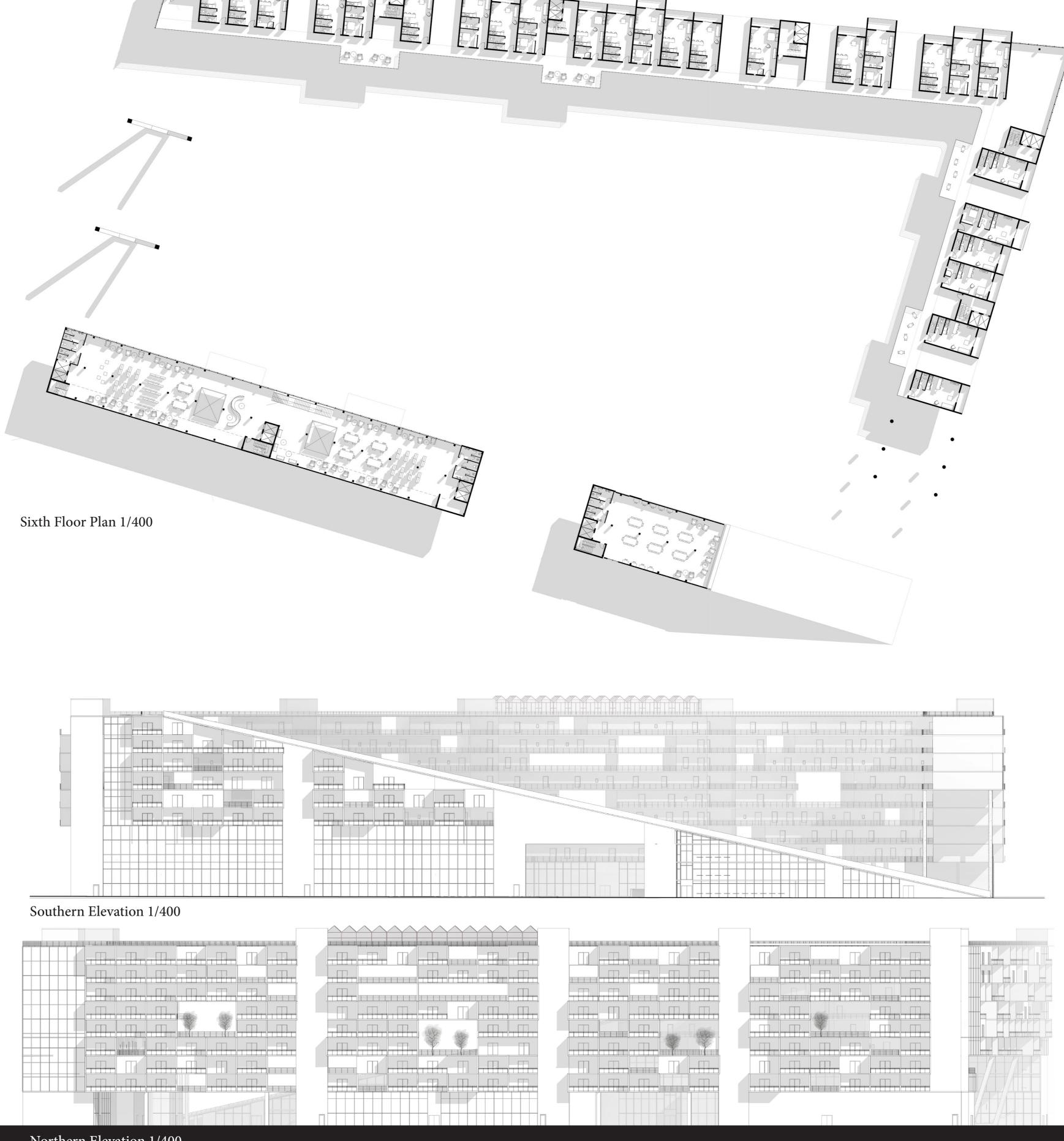
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Master Ground Floor Plan, 1/1500



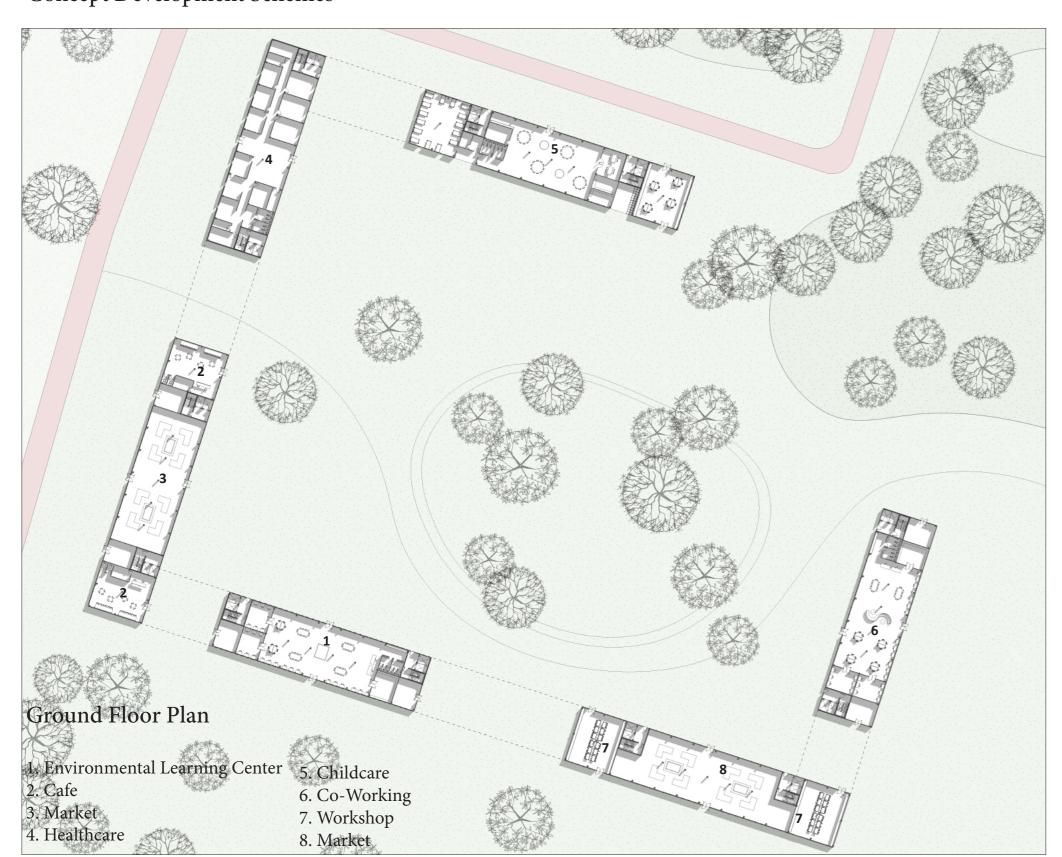
1. Existing situation



2. Archipelagos (the islands) zones



3. Identifying Islands (city blocks) initial footprint while respecting the existing greeneries Concept Development Schemes





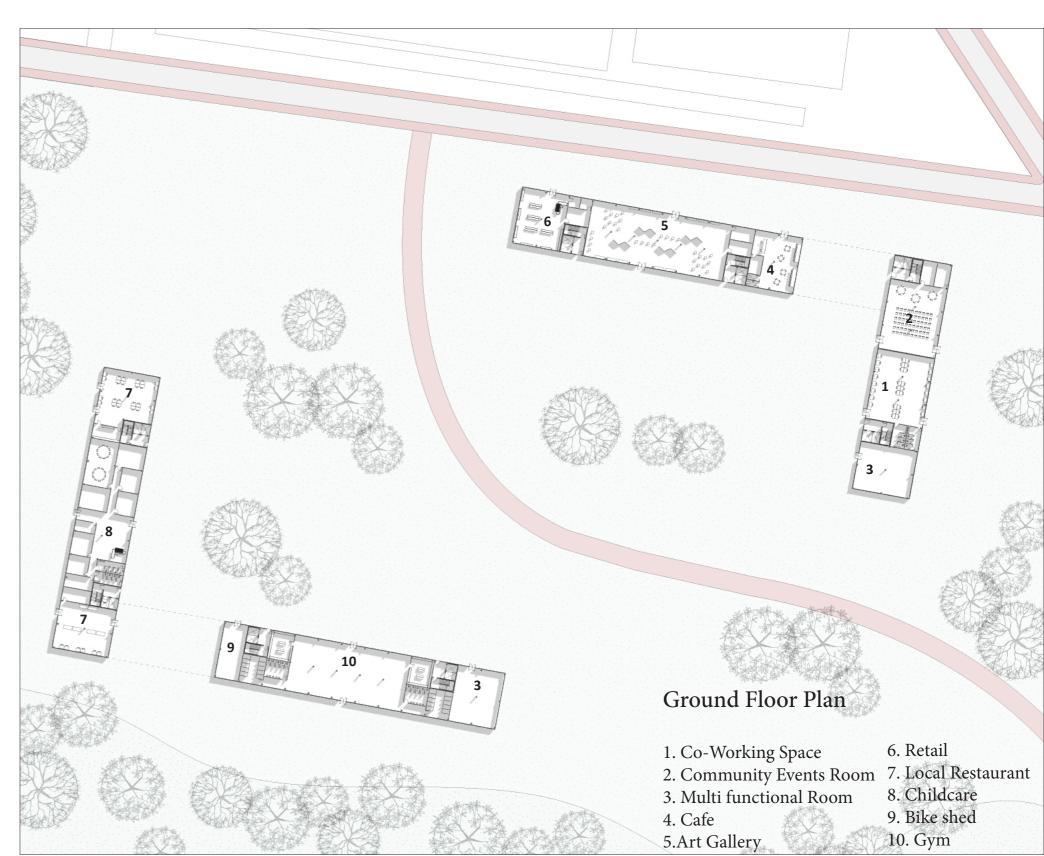
4. Islands landing on the site



5. Linking the islands with city streets



6. Grouping city blocks from the top floor and creating friendly indoor sanctuaries



Eastern Island, 1/800