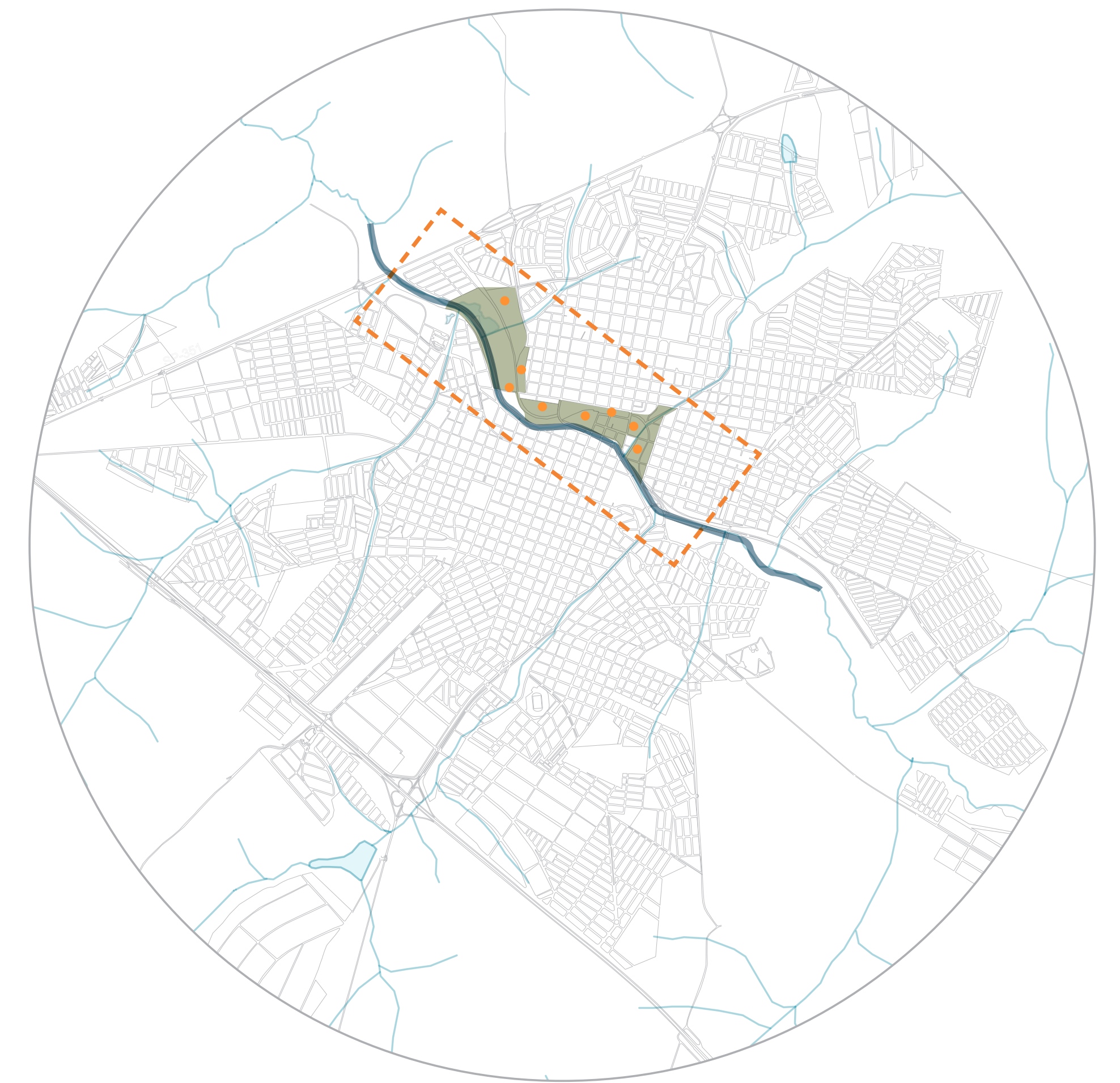
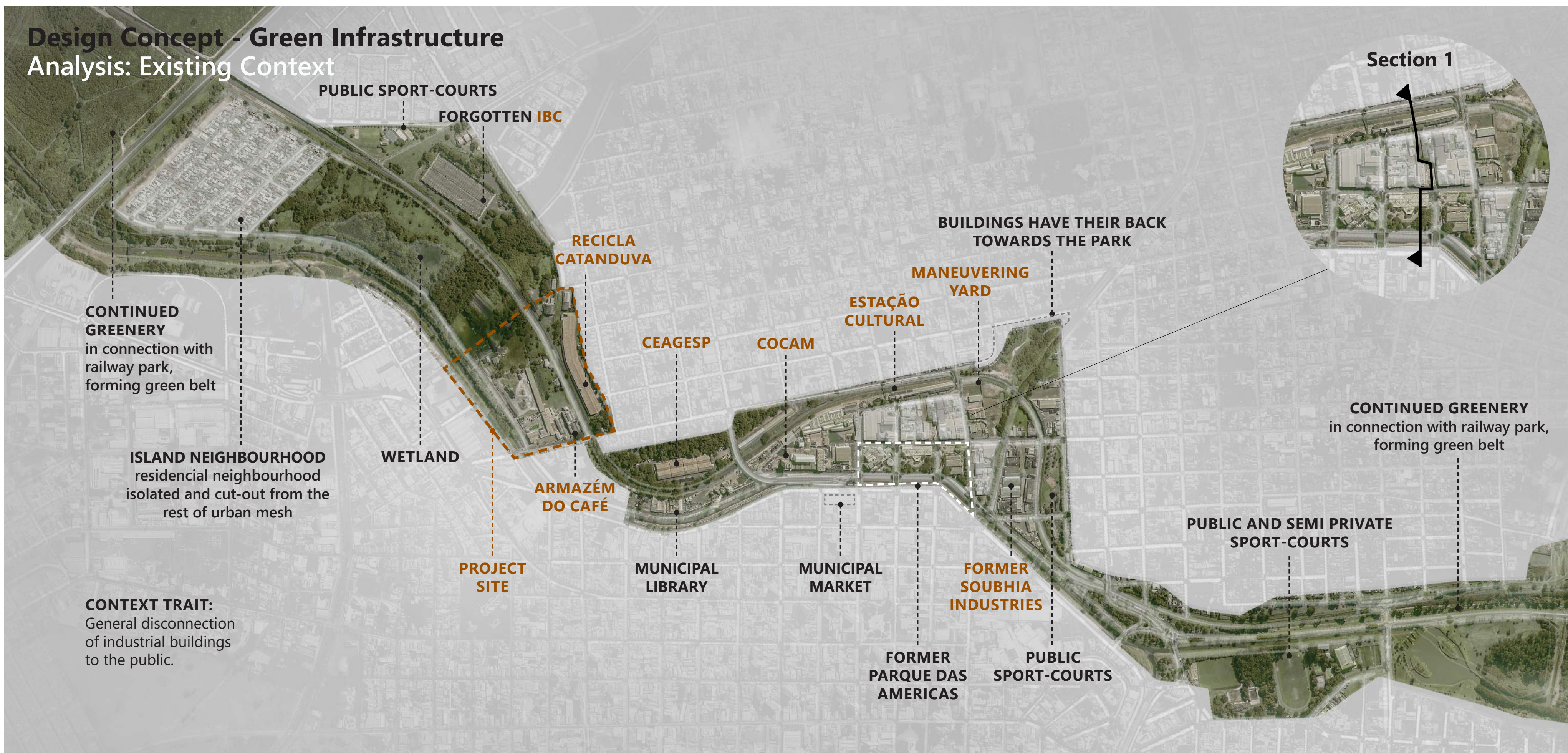


Along the railway of Catanduva: where past meets the present

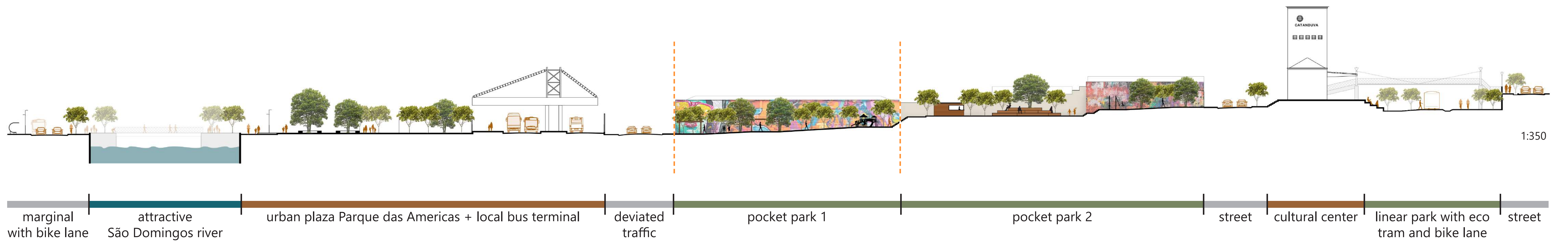
Re-integrating former industrial buildings into Catanduva's urban tissue

Barbara Oliveira Silva | February 2024

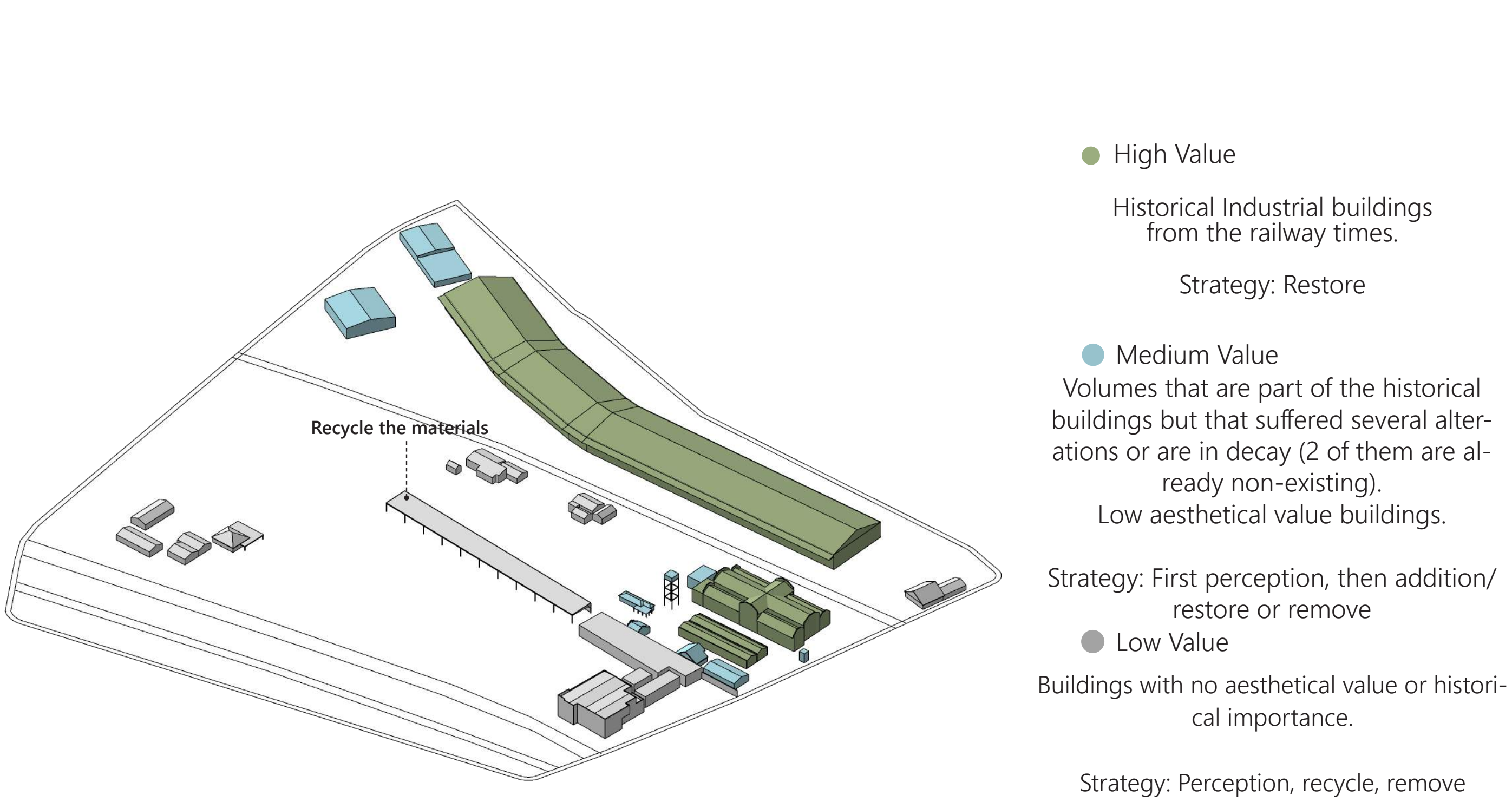


Design Strategy - Railway Park

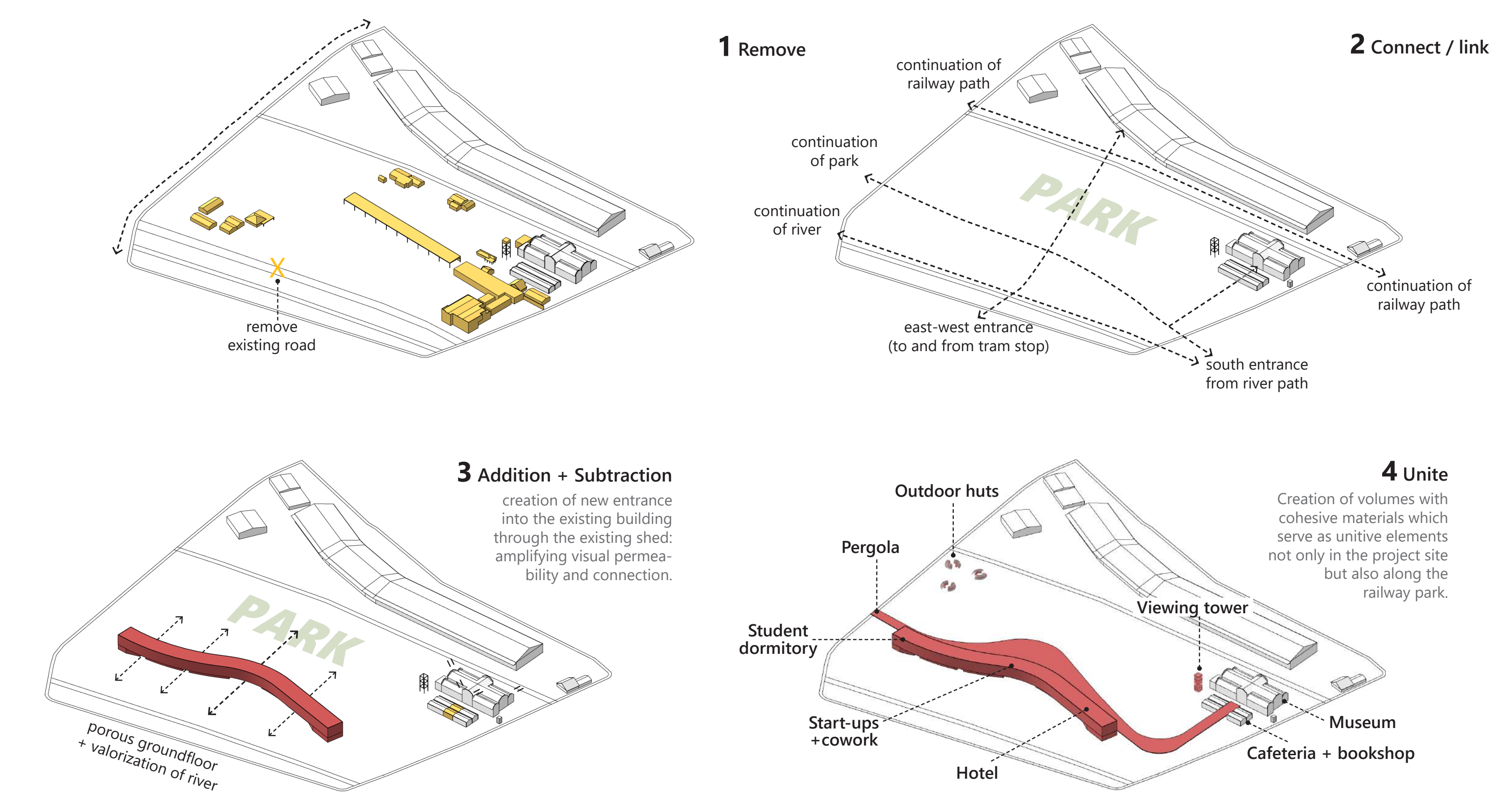
Section 1 - culture center, pocket park, parque das americas, river front



Project Site Levels of significance



Project Site Design Strategies



Project Site Cross Section

Walk amidst the riverscape

Small interventions such as this may, little by little, allow a change of mindset towards urban rivers.

Intention: valorization of the river, increase of permeable surface area (no road), increase of vegetation, improvement of interaction with water body.

Multifunctional building

The groundfloor presents uses with a more public and communal trait, serving as attractors and providing economical benefits.

Pergola

The pergola serves as a space creator for outdoor activities and events as well as a shaded path, offering pedestrians more comfort.

Museum

The main building of the armazém do café is adapted into a museum, taking into consideration barrier-free requirements.

Tram

Accessibility through tram + bicycle path.

Recicla Catanduva

The building is restored and its brick façade is shown (cohesive materiality).



Materiality of new building: beige bricks

Materiality of existing buildings: red bricks

Project Site
Siteplan
1:1000

Total Area: 108143.2 m²

- 1. Armazém do Café - existing building**
Area: 1853,11m²
Uses: Museum for permanent and temporary pieces, cafeteria, bookshop, museum shop, viewing tower.
- 2. Recicla Catanduva - existing building**
Area: 9767,30m²
Use: Selection of recycled materials
- 3. New building**
Total Area: 11868,32m²
Groundfloor 2136m²
1st, 2nd, 3rd floor 9732,32m²
Uses: Student dormitory, start-up offices, co-work space, hotel, retail, services.
- 4. Additional existing buildings that are part of Recicla Catanduva**
Area: 1341,72 m²
- 5. Outdoor Huts**
- 6. Viewing tower**
- 7. Sport courts**
- 8. Walk along riverscape**
- 9. Pergola**
- 10. Eco tram stop**



Project Site
Isometric view

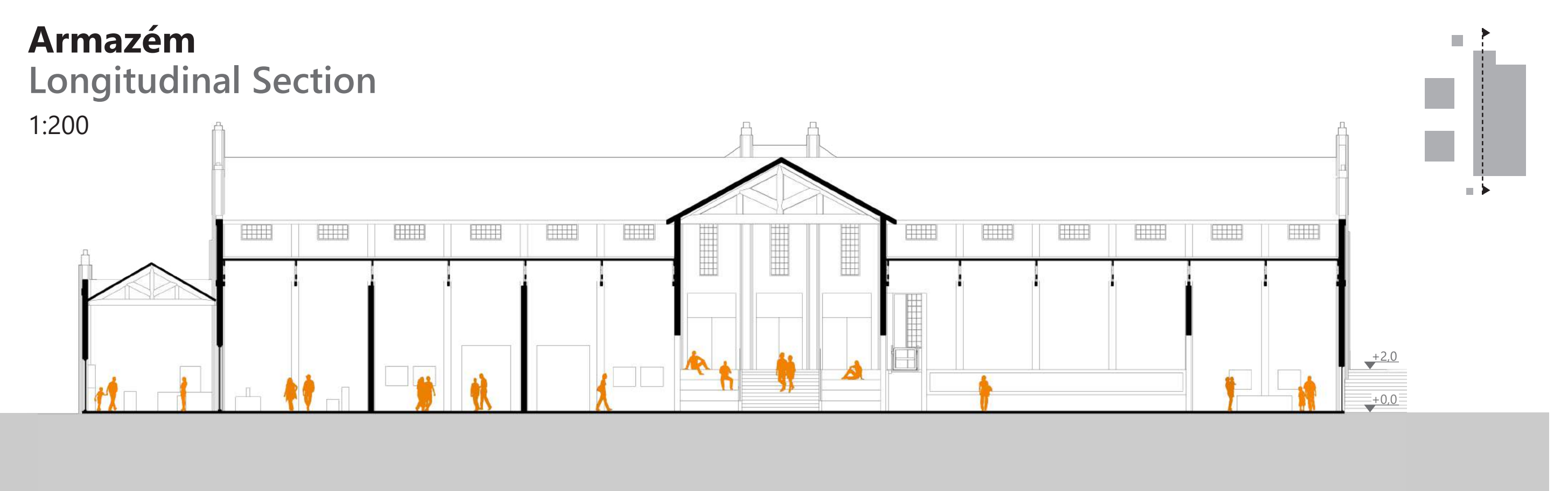
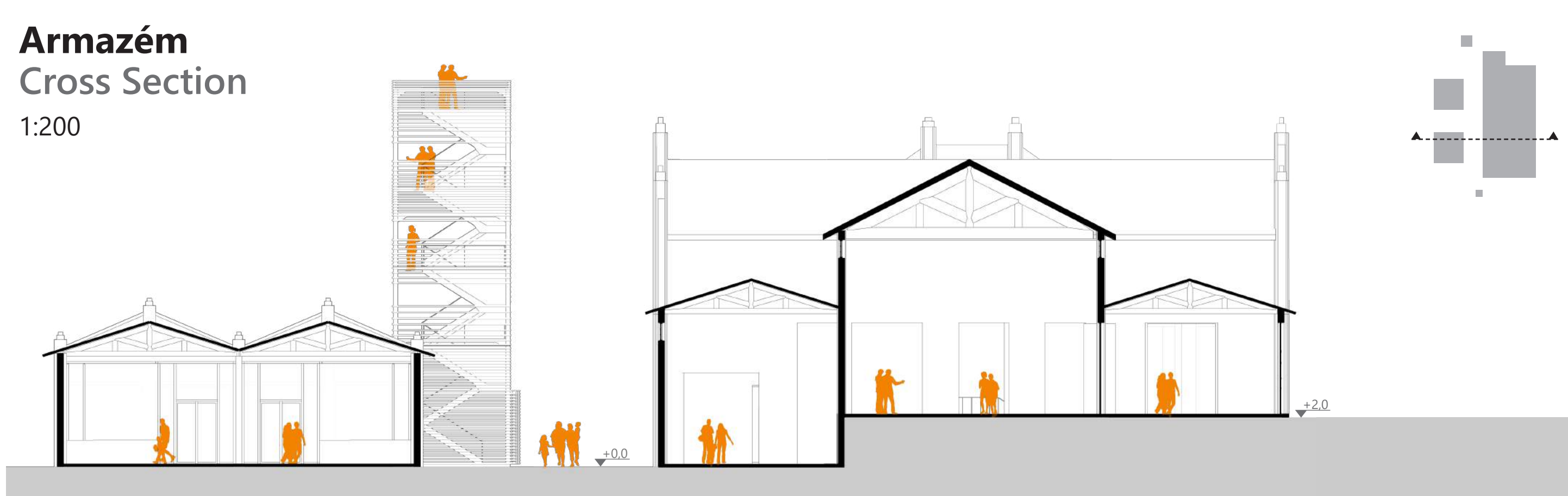
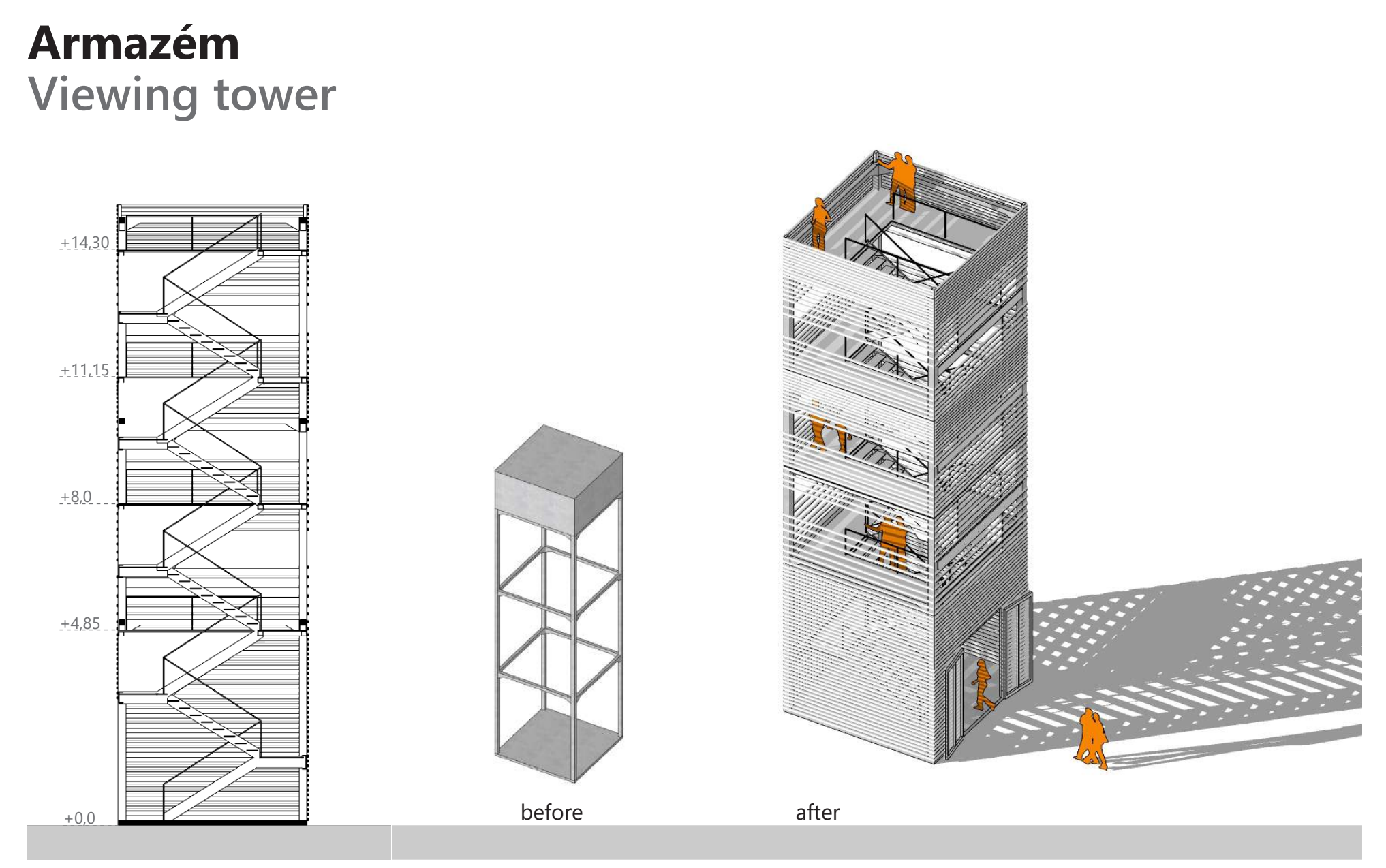
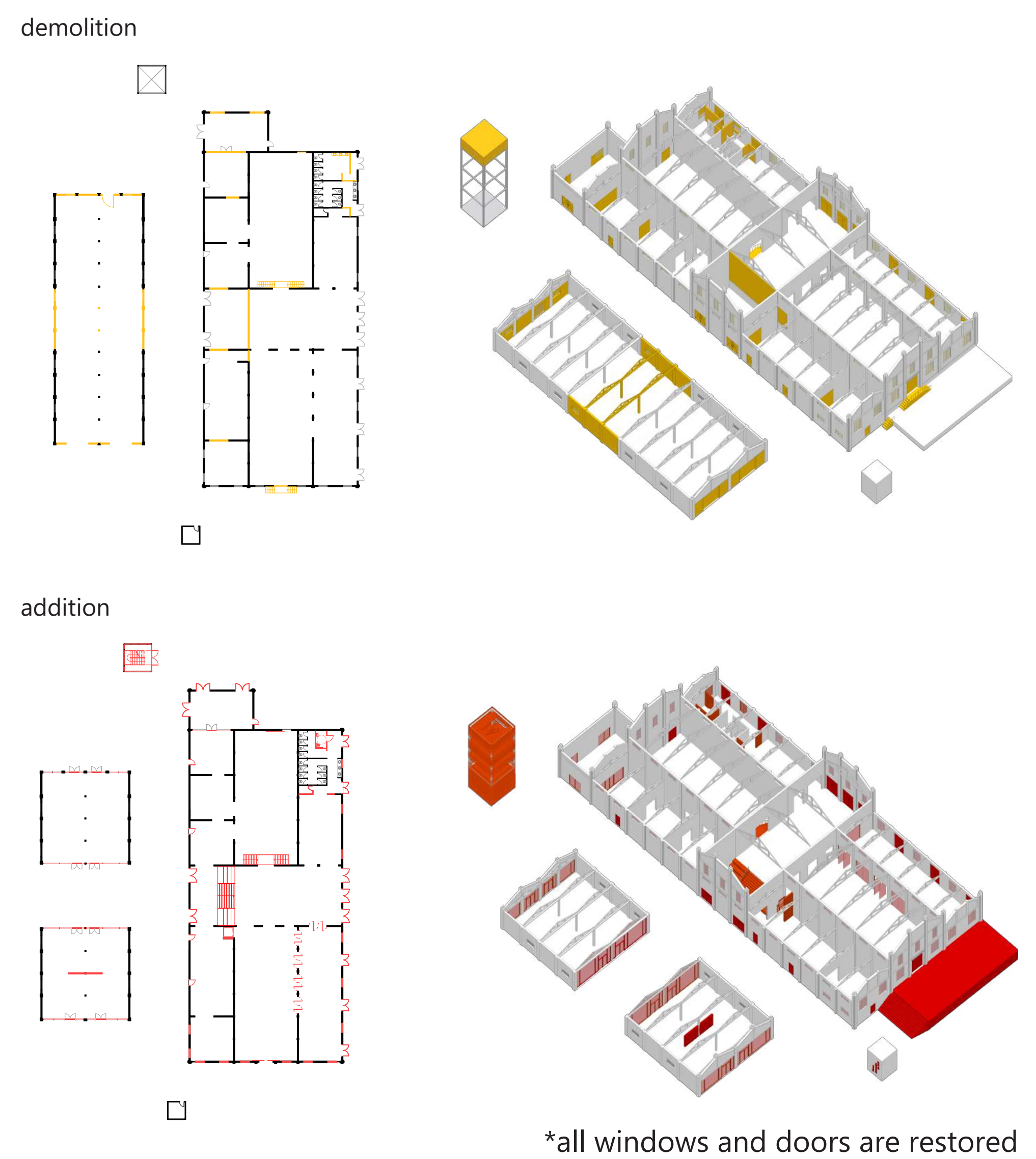
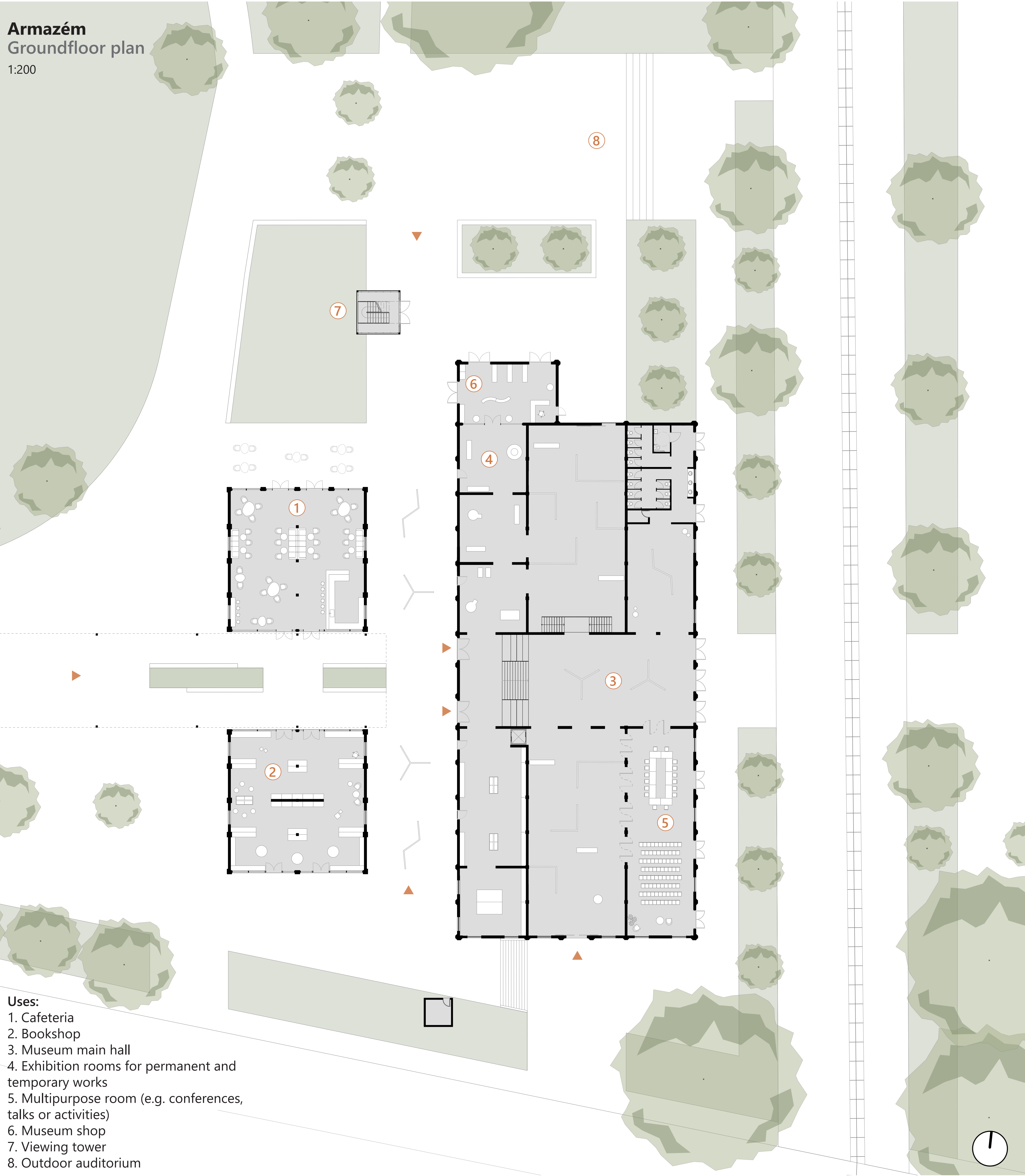


Project Site
Riverscape

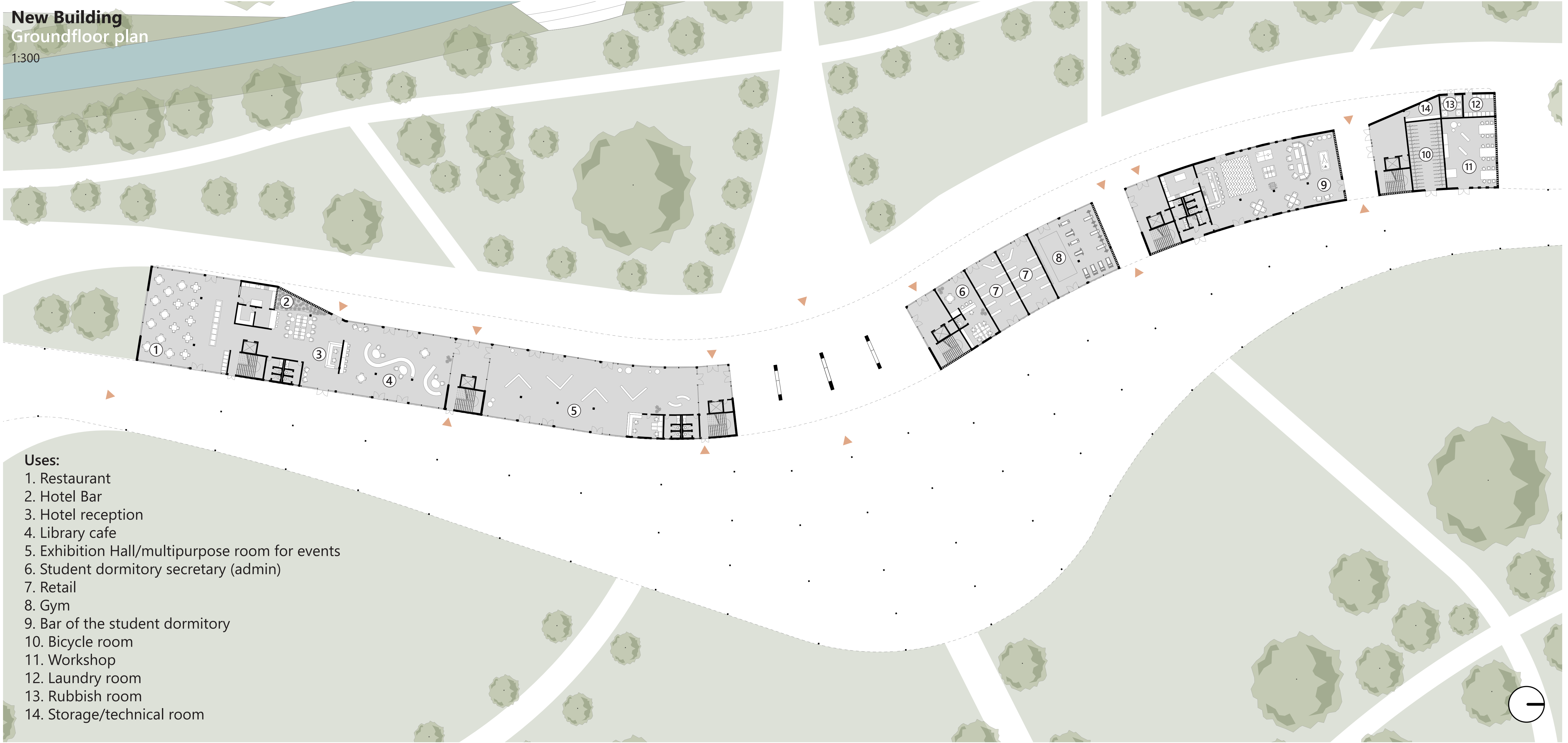


Project Site
Outdoor huts

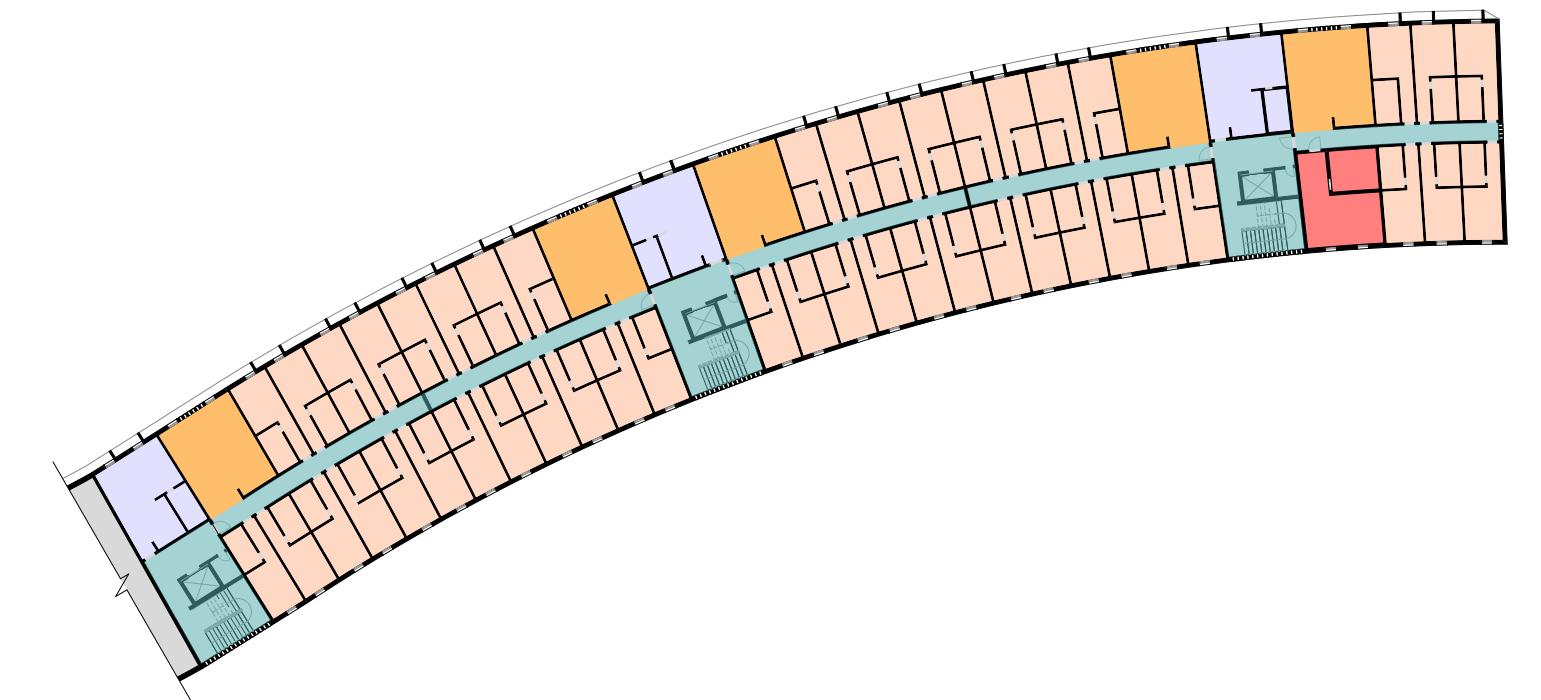
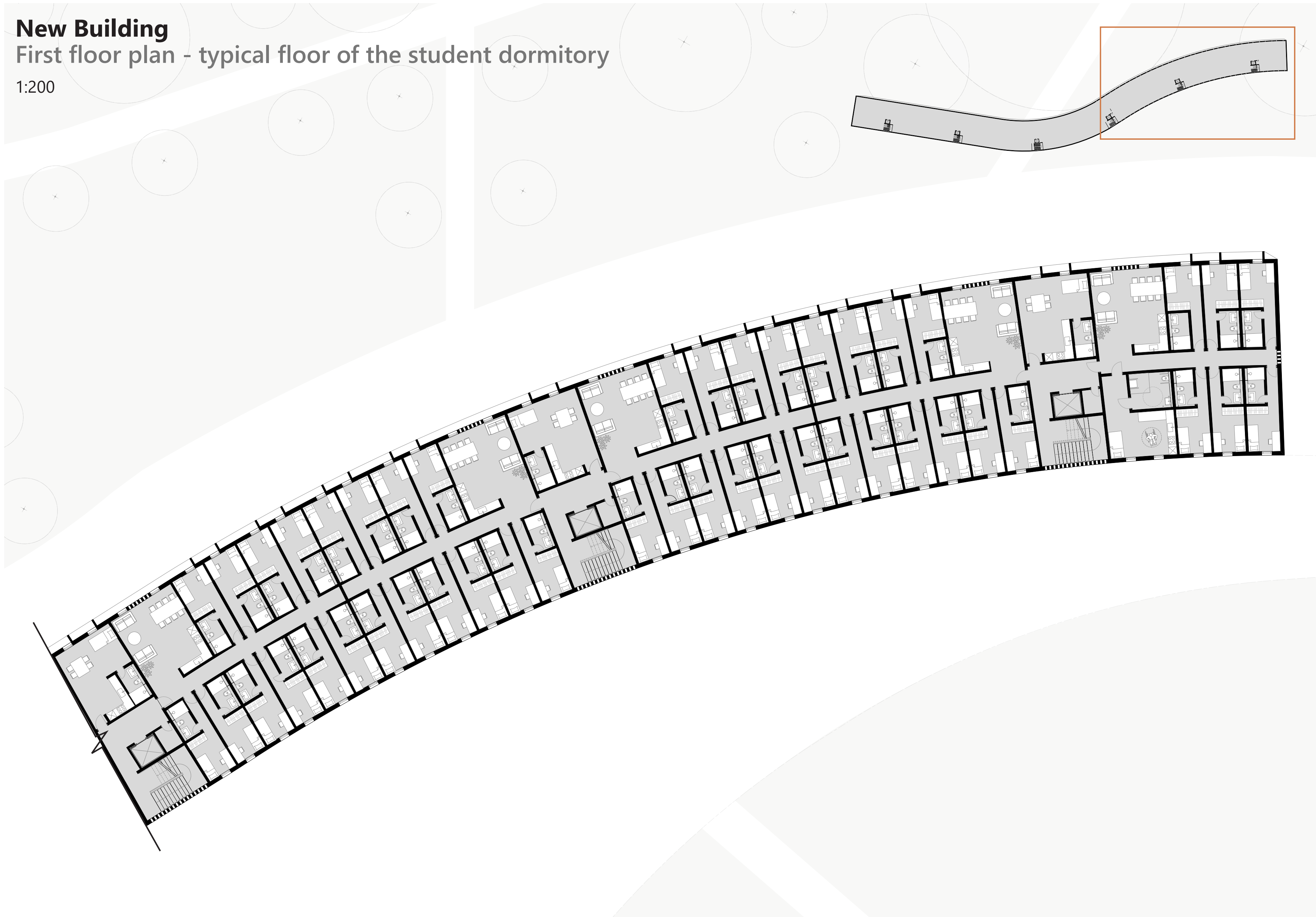




New Building
Groundfloor plan
1:300



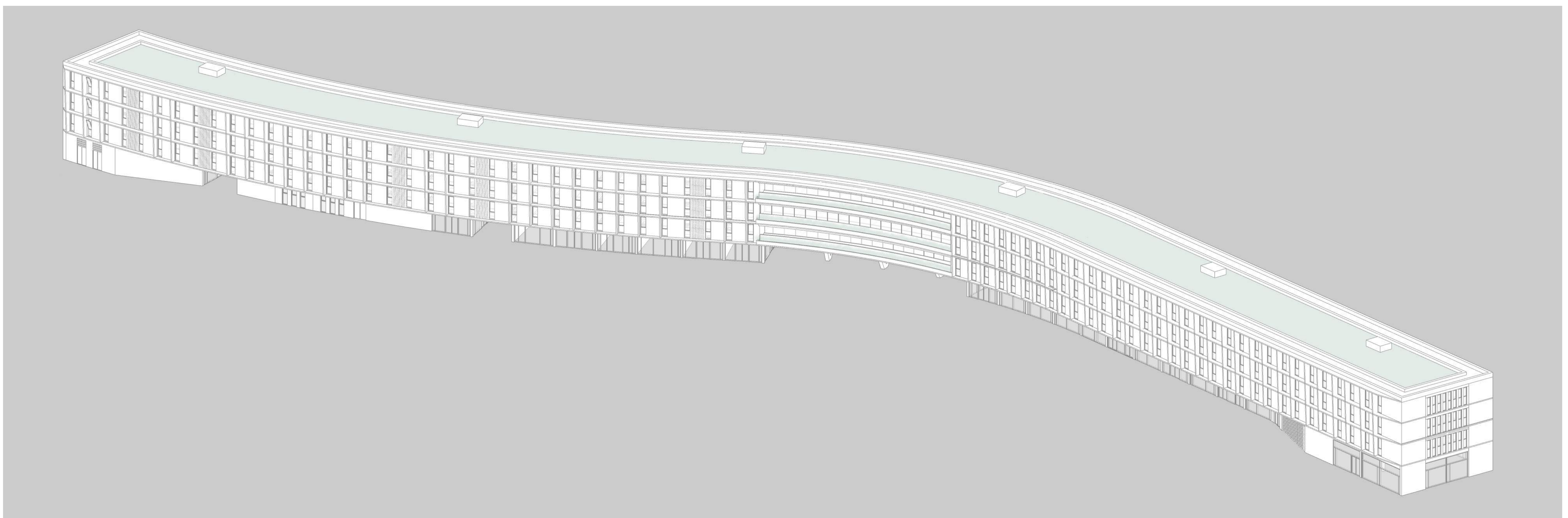
New Building
First floor plan - typical floor of the student dormitory
1:200



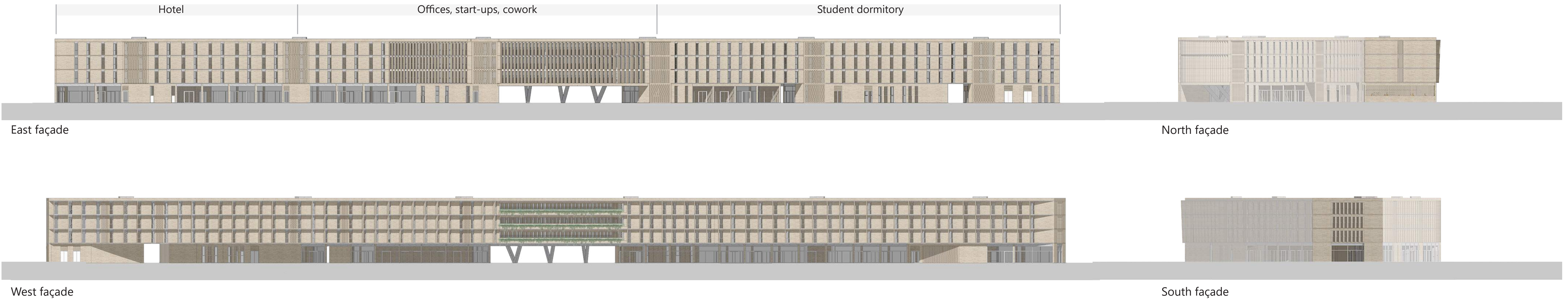
50 students per floor
Total of 150 students in the building

- **Unit 01 - individual room**
Area: ~16m²
Unit includes: individual bathroom
- **Communal kitchen + living room**
Area: ~34m²
- **Unit 02 - studio**
Area: ~33m²
Unit includes: individual bathroom + ind. kitchen
- **Unit 03 - room for physically impaired person**
Area: ~30m²
Inclusion. Room is located within a flat with other students. Common area can also be used.
Unit includes: adapted bathroom + adapted kitchen.
- **Horizontal and vertical circulation**

New Building
West-side view



New Building
Façades



New Building
Façade Section 1:20

Uses:

- 01. Aluminium flashing cap
- 02. Pebbles for drainage
- 03. Green roof substrate
- 04. Drainage layer material
- 05. Impermeable membrane
- 06. Mortar with 2% inclination

- 07. Sikalastic fleece - impermeable material - L shape
- 08. Concrete slab with reinforcement
- 09. Reinforced concrete beam
- 10. Anodized aluminium window frame in white
- 11. Facing masonry - beige solid bricks
- 12. Grout and plaster finish

- 13. 12 holes masonry brick
- 14. Floor finish - wood tiles
- 15. Floor finish - ceramic tiles
- 16. Cement screed
- 17. Concrete slab with reinforcement
- 18. Plasterboard ceiling -> technical pipes run above it

- 19. Wall ties
- 20. Air gap
- 21. Baseboard
- 22. Mortar
- 23. Insulation set minimum 10mm from floor base
- 24. Concrete block below ground
- 25. Foundation beam

- 26. Drain
- 27. Vapor barrier
- 28. External paving
- 29. Sand blinding
- 30. Hardcore type 1 base
- 31. Trench fill concrete foundation

