



Project archiLink

In the context of the Rebirth Masterplan

An adaptive reuse of the Polytechnical School's Laboratories

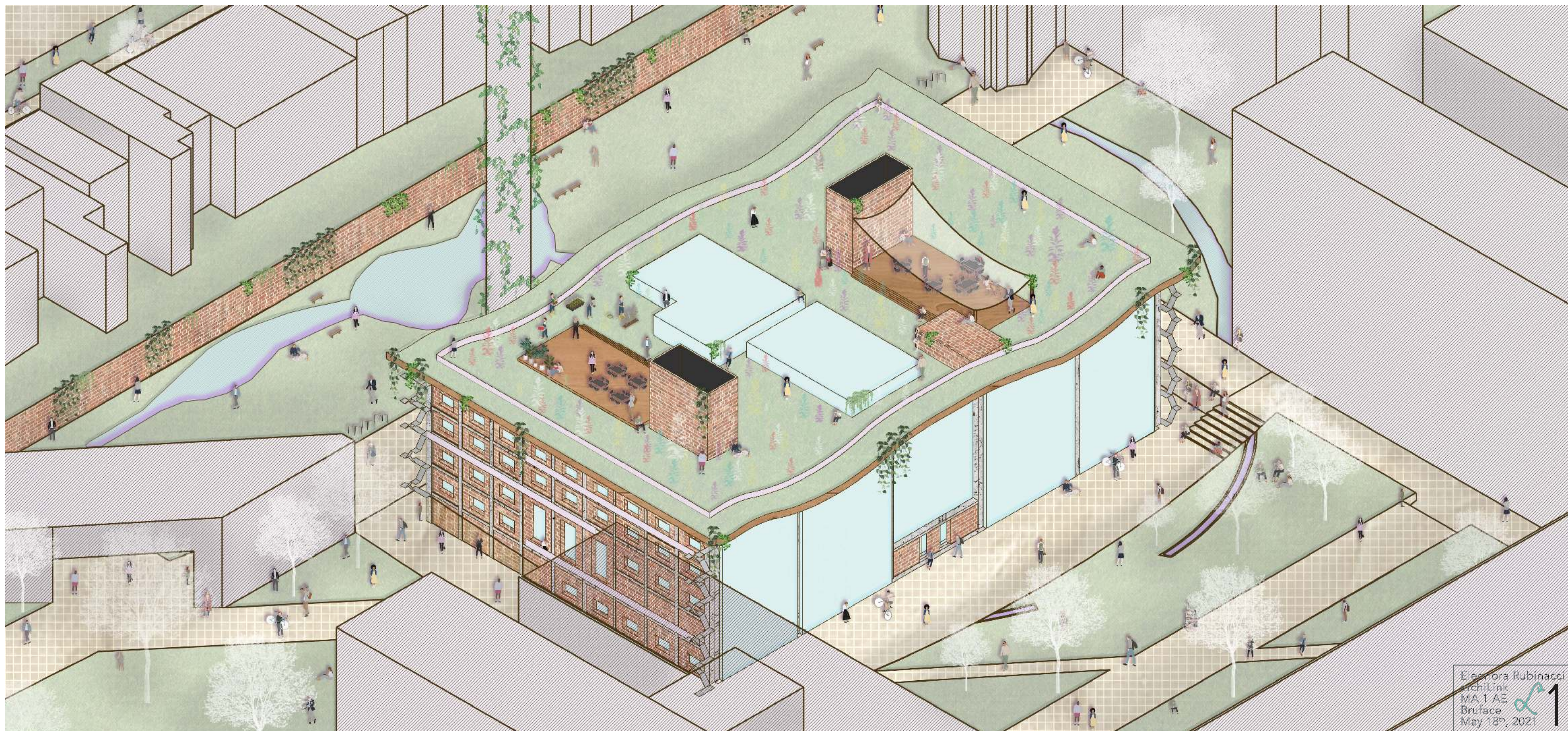
building into the Architectural Faculty

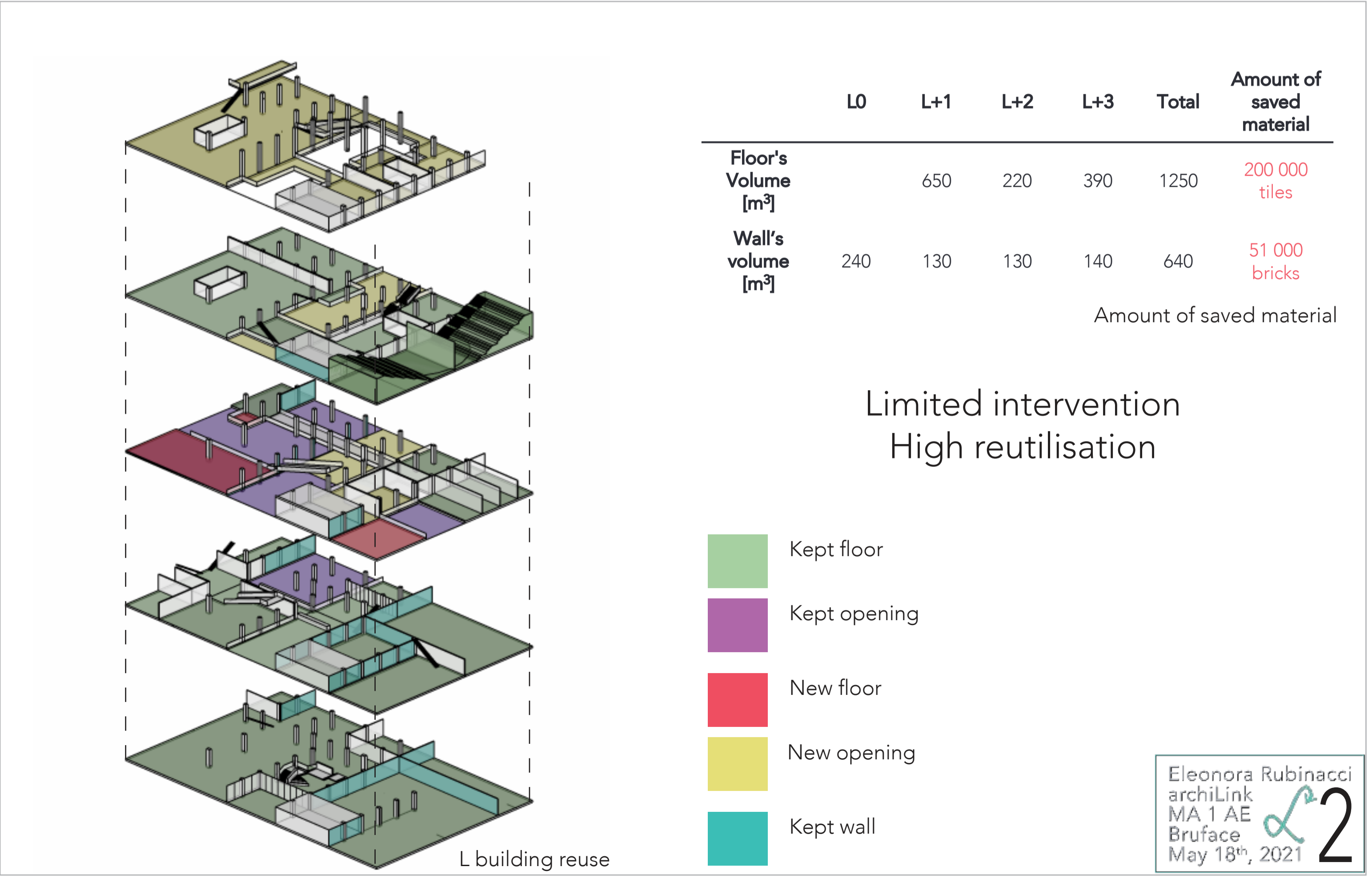
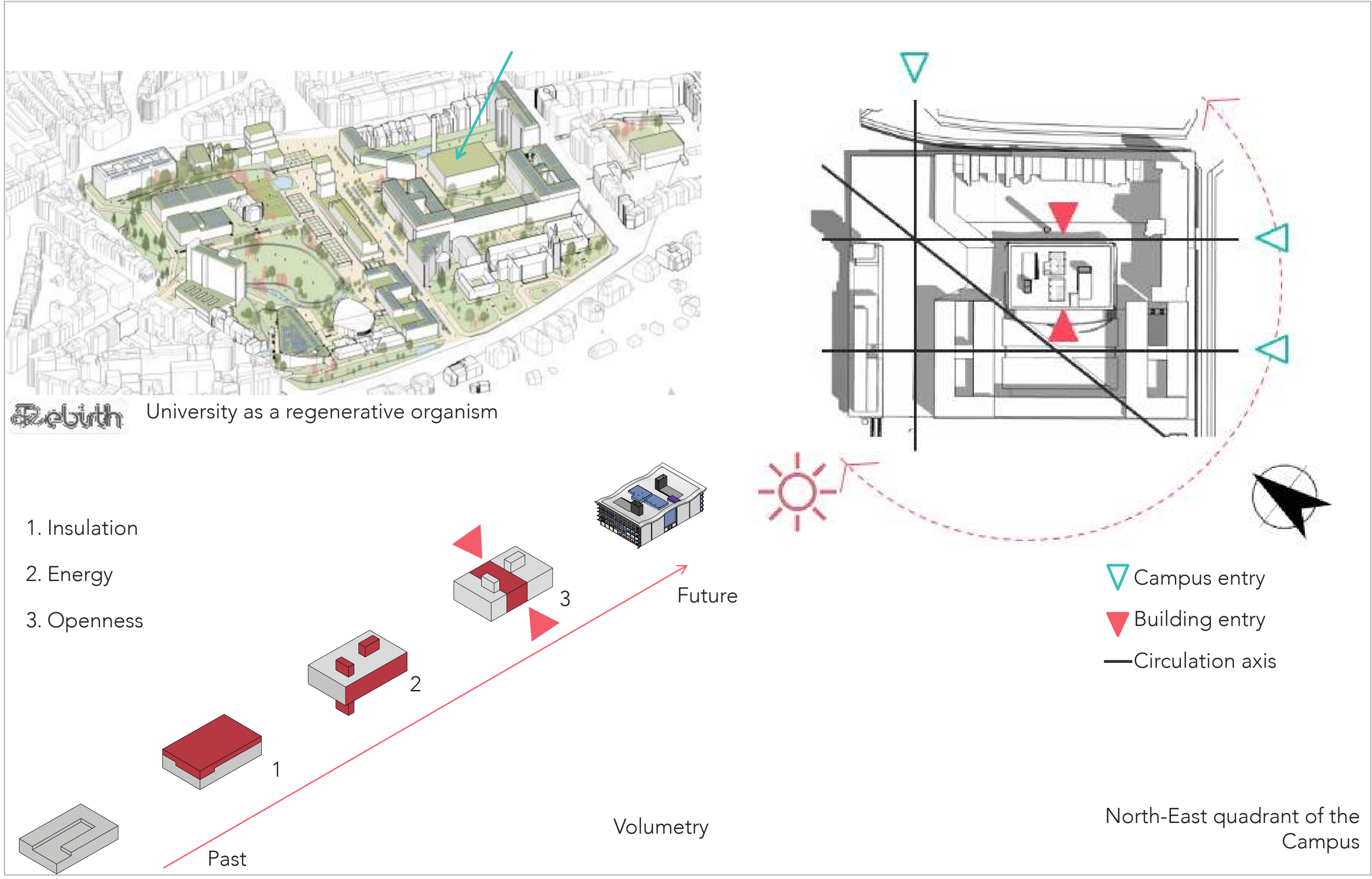
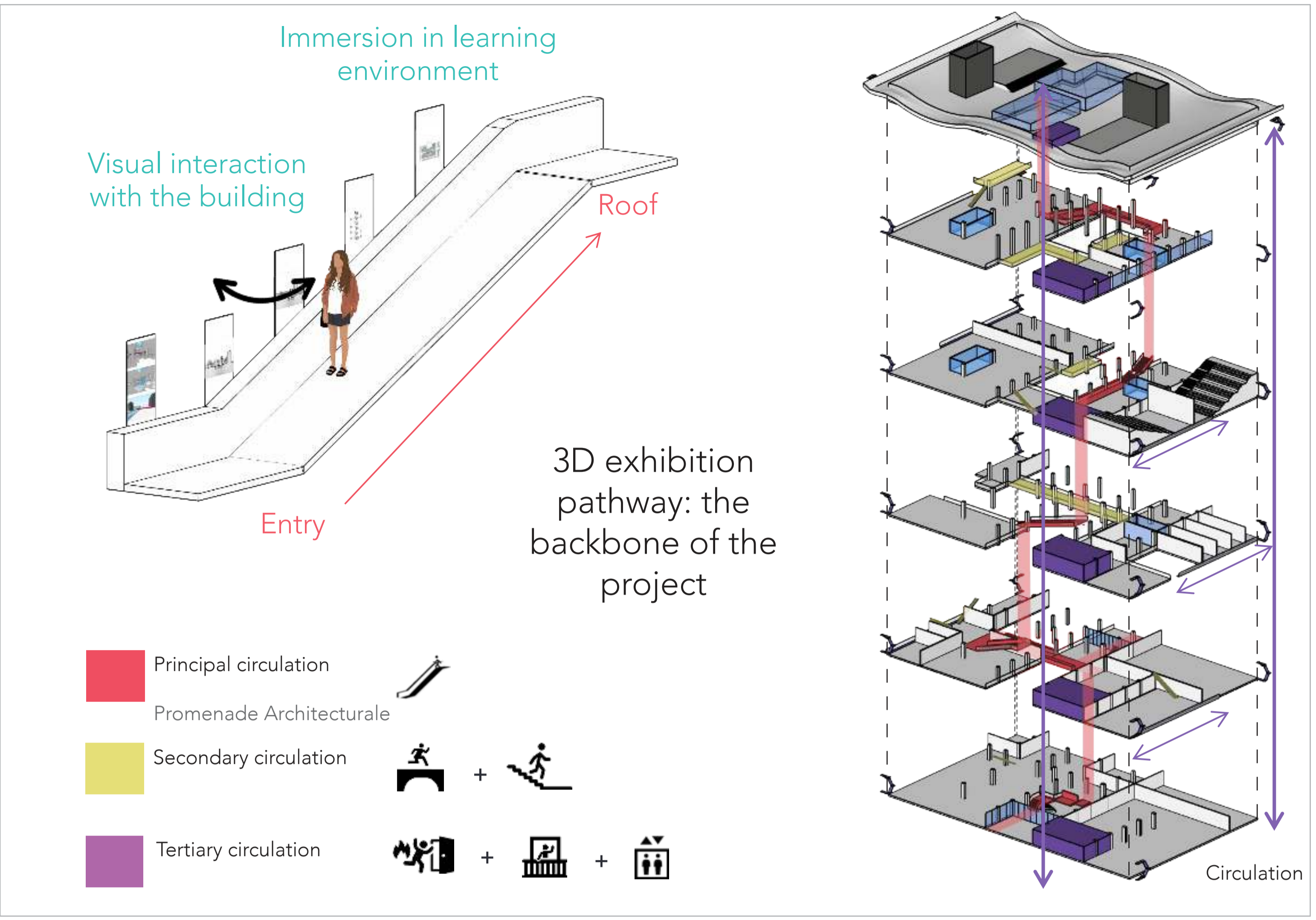
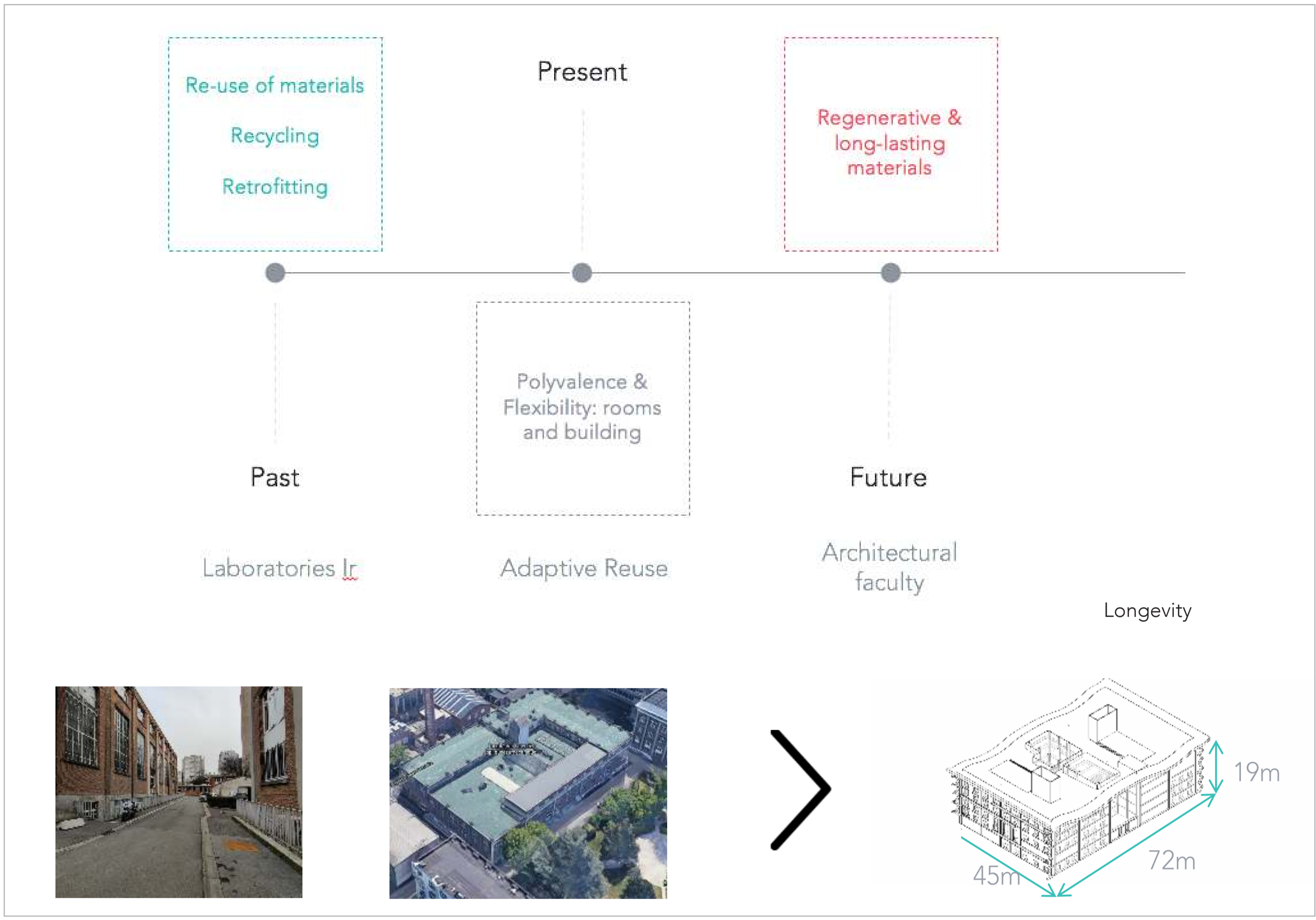
Project archiLink consists in an adaptive reuse of the original Engineering Labs into the Architectural Faculty building. Located in the North-East quadrant of the Solbosch Campus, archiLink takes advantage of the current L building to its maximum while using regenerative materials for additions. The project focuses on creating flexible and well-lit spaces to foster innovation. Two green squares leading to the entries surround the building on either side.

The three-dimensional exhibition pathway is the backbone of the project. Linking the entries to the café-bar on the rooftop, it offers the users a 'promenade architecturale' through the building. This pathway is an immersion into the learning environment and an inspiring route for academic project exhibitions, bringing the creativity of the Faculty into light. Additionally, a secondary circulation provides shortcuts between the indoor spaces via footbridges and reused-steel staircases. A tertiary circulation with a lift and outdoors fire escapes completes the spaces' distribution.

Promoting experimentation and learning is at the heart of the project. Counting almost 60% of studio spaces, archiLink also offers two 250-seat auditoria for its students. The roof's landscapes and the walls finish can be modified by the students over and over, ensuring the dynamism of the building in time. The structure and technical elements are purposefully visible, and the building's materials are available to students in a materials library furnishing four different workshops. The remodeled L building also counts a brand-new architectural Research Unit.

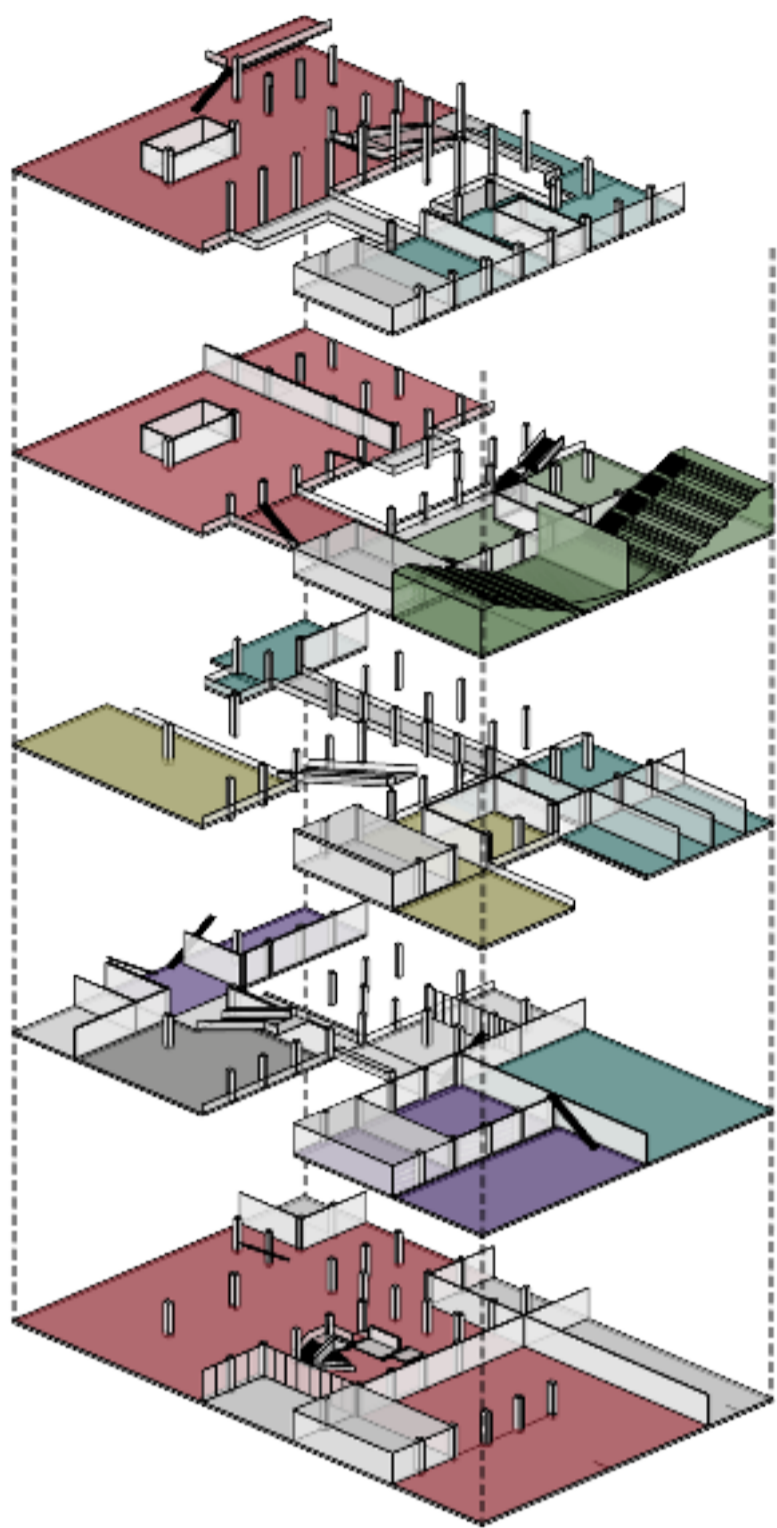
The brick façades are kept intact for patrimonial reasons as the L building is one of the oldest on Campus. The presence of outreaching concrete columns and beams gives texture to the walls. These are insulated from the inside with hemp blocks. The South façade is transformed into a trombe wall and is used to thermoregulate and ventilate the building, in combination with two solar chimneys and a geothermal energy system. Those chimneys, a large transversal atrium, large windows and high ceilings ensure that light reaches every room inside.





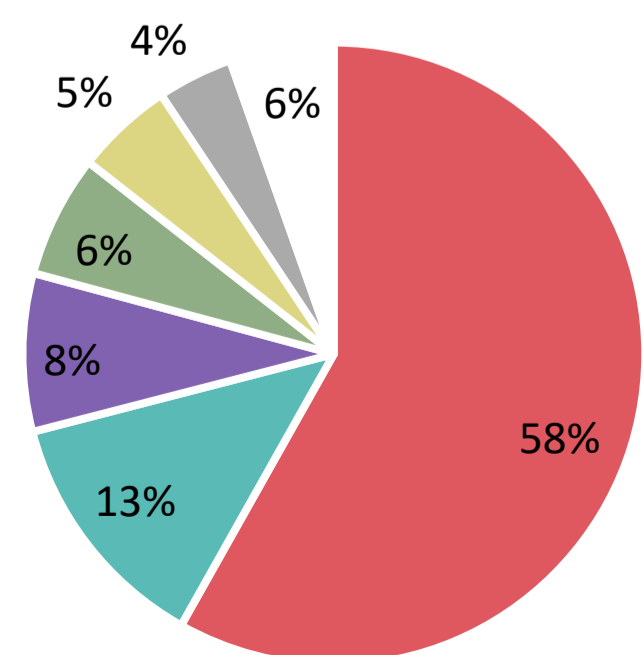
Faculty: 1365 people
 Localisation: Building L, U and 7 research units
 not on the Solbosch Campus

archiLink: 8th research unit
 Learning and experimenting are keywords

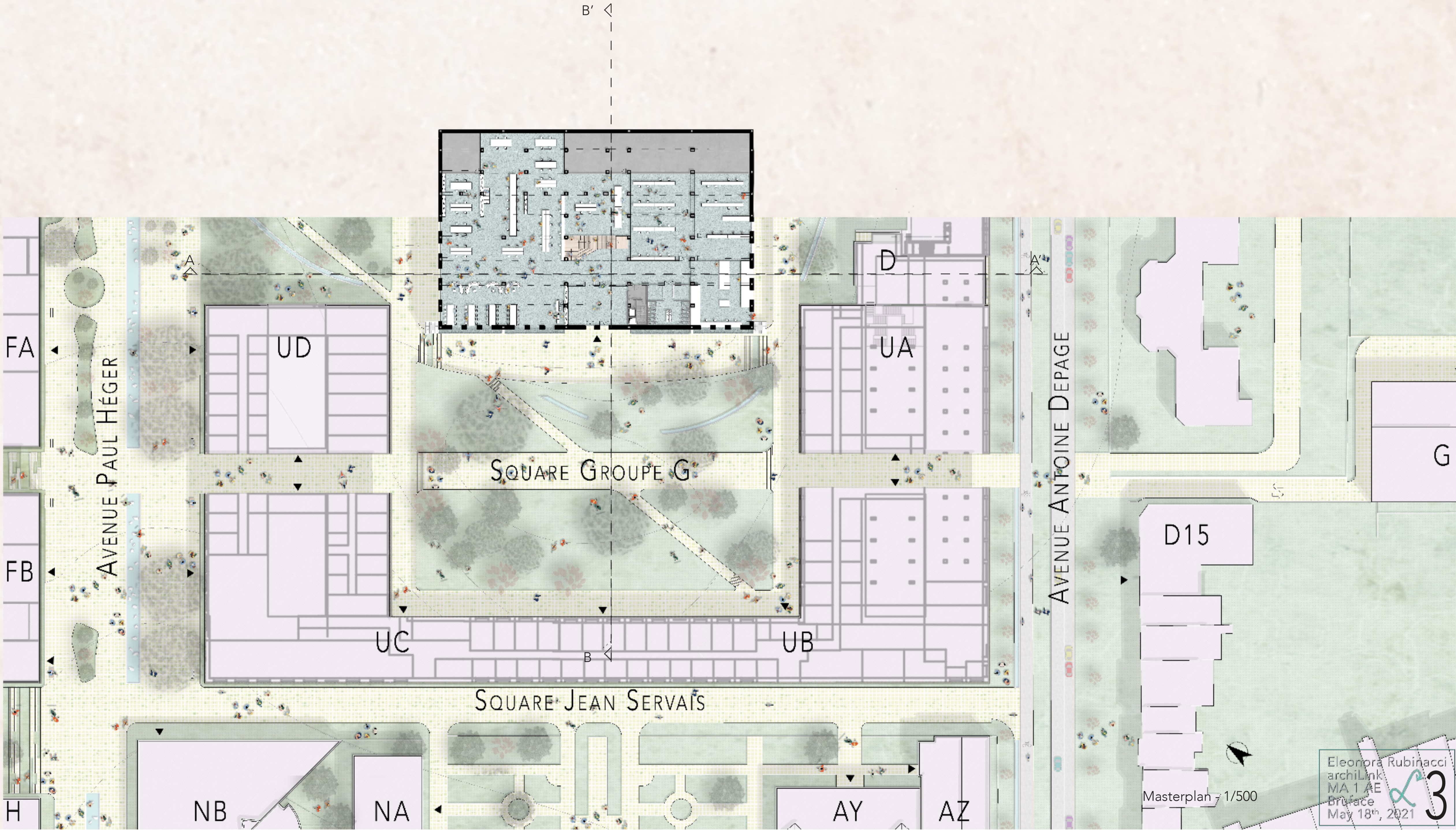


Program

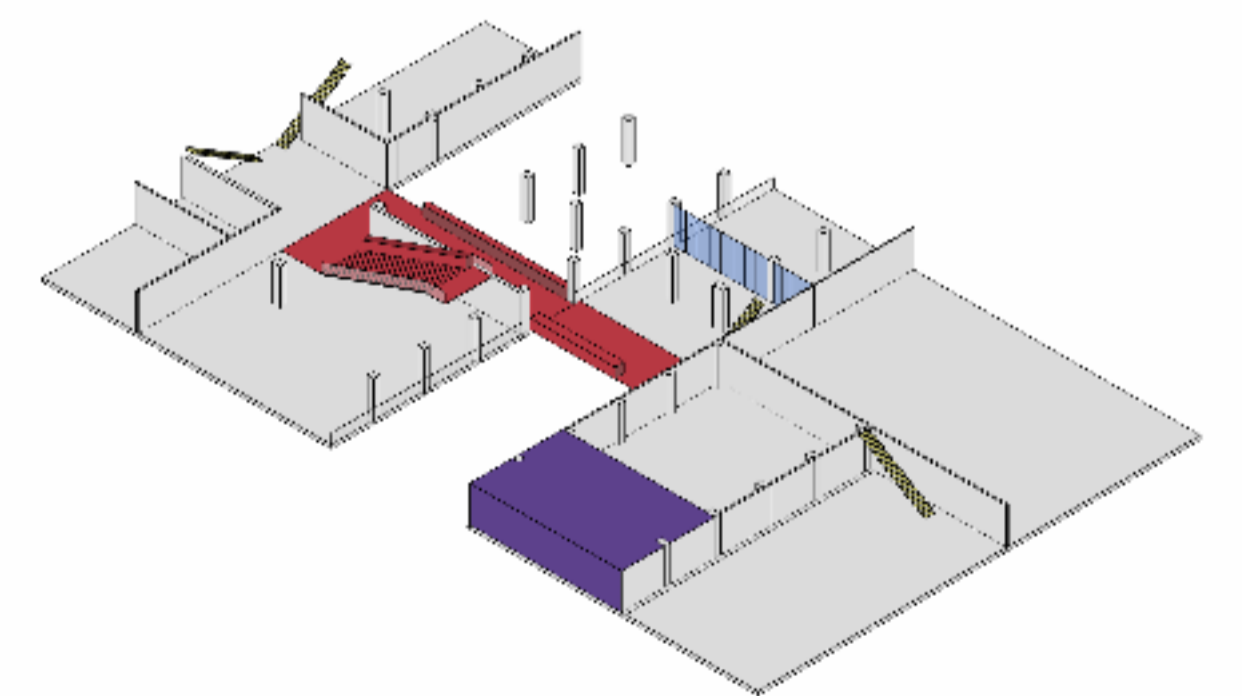
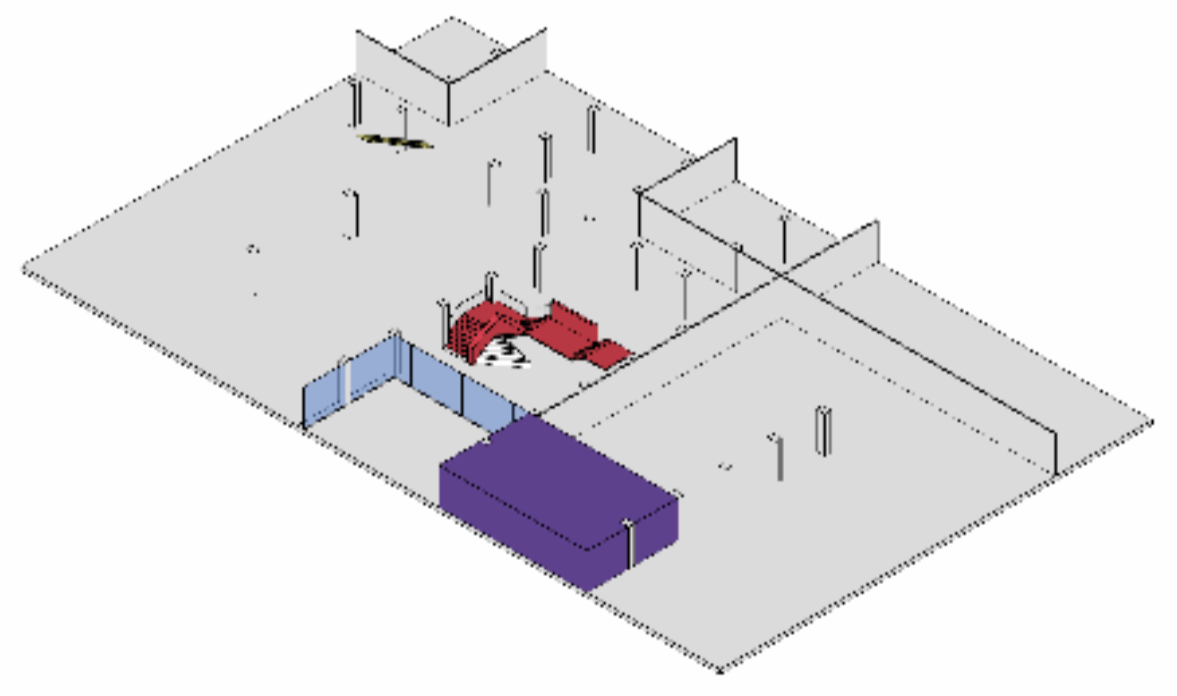
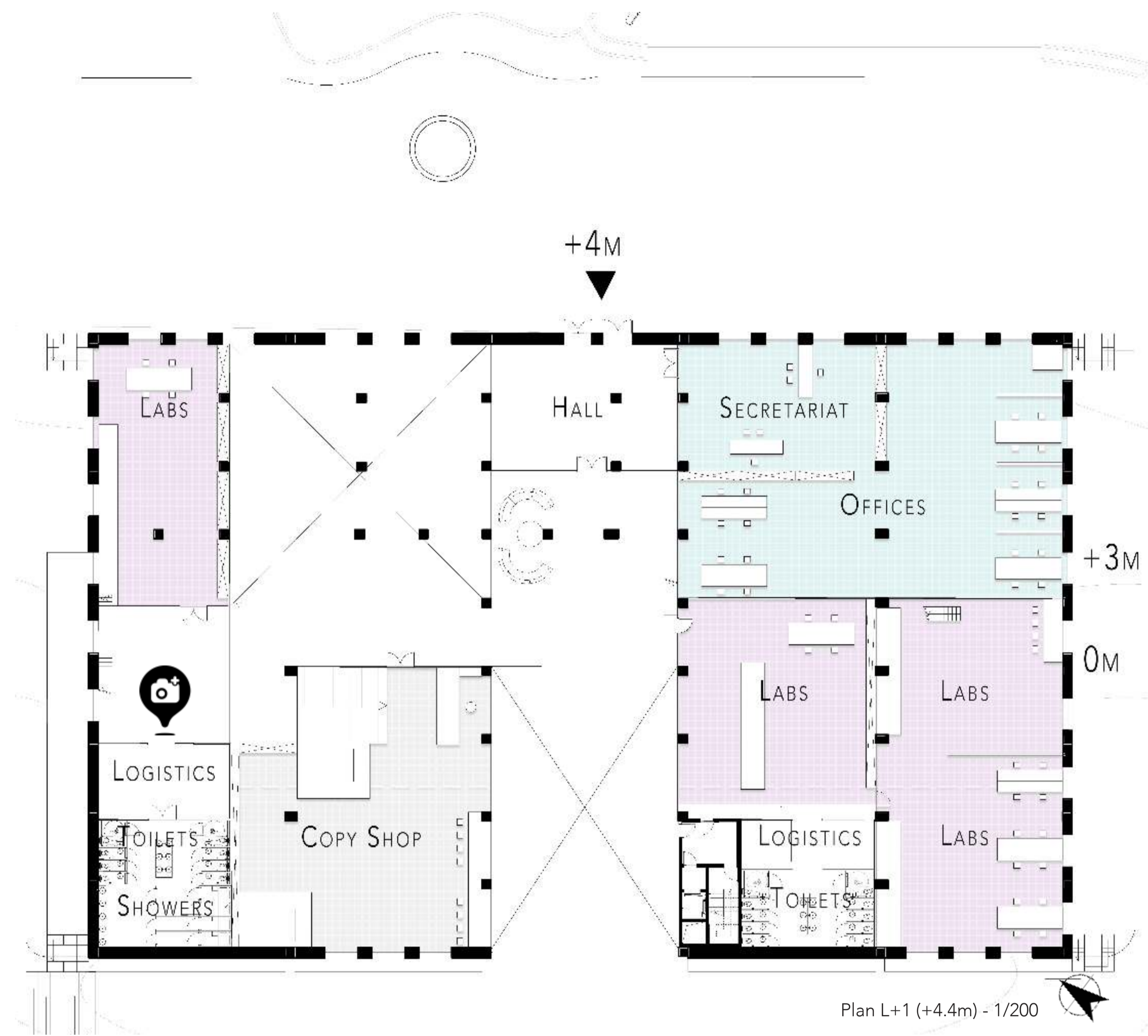
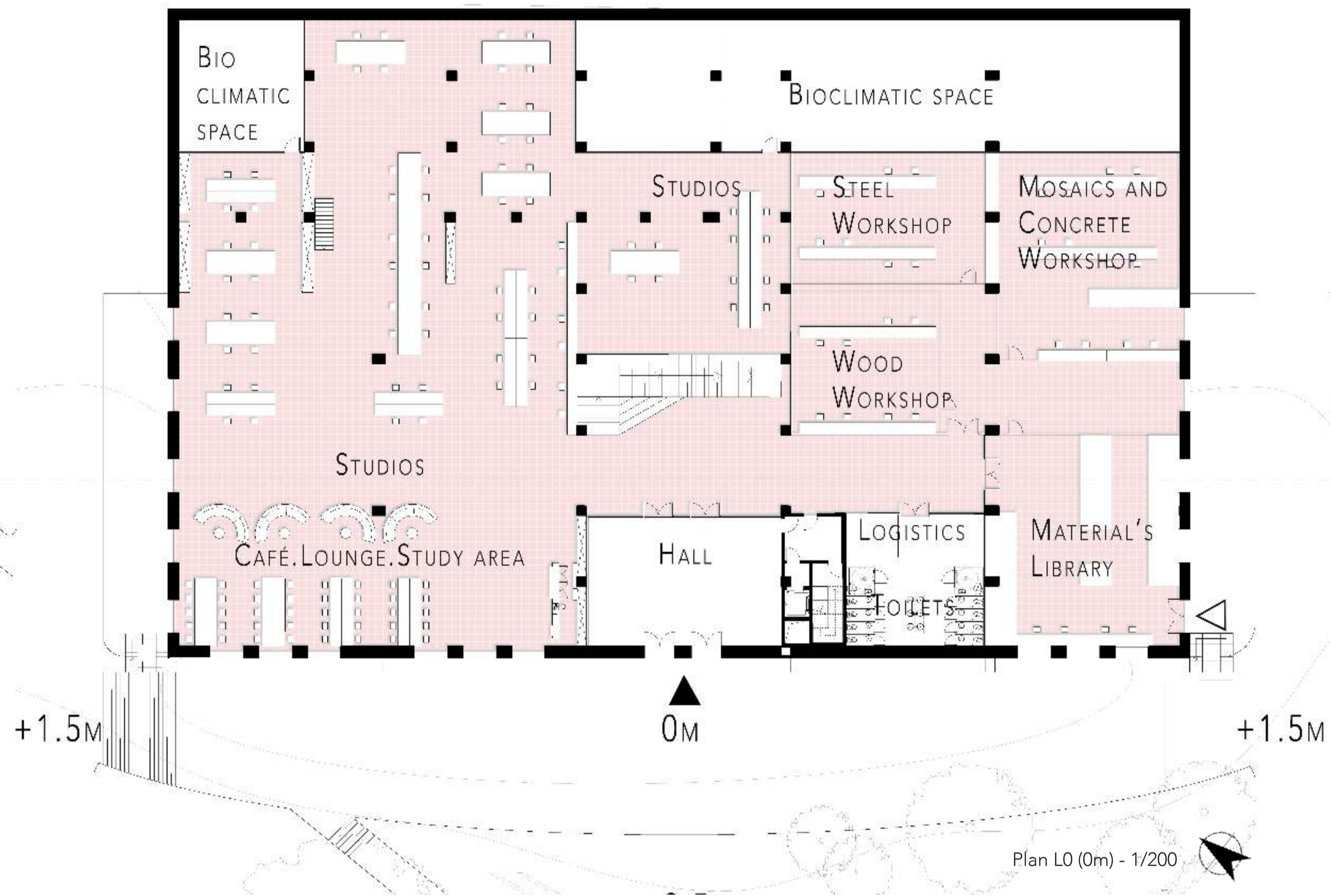
Program	% of the building	Area [m²]
Studios	58%	5721
Profs. offices	13%	1261
Labs	8%	808
Auditoria	6%	627
PhD offices	5%	500
Copy shop	4%	388
Bioclimatic spaces	5%	532

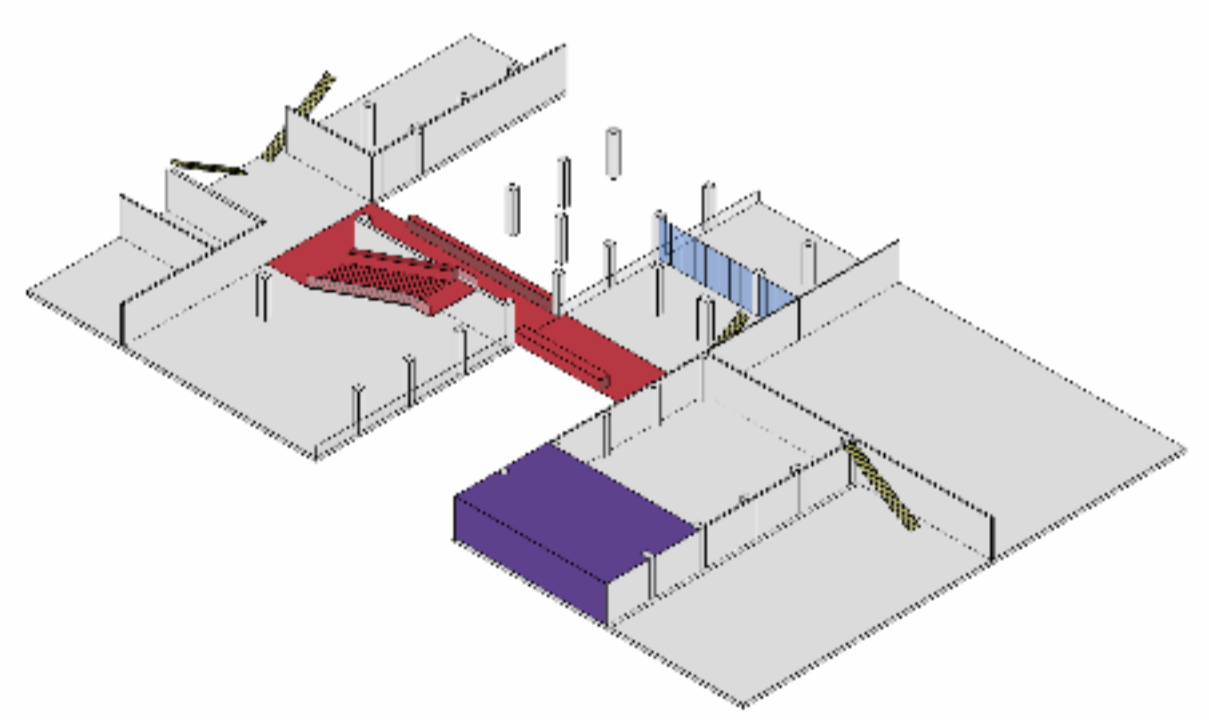
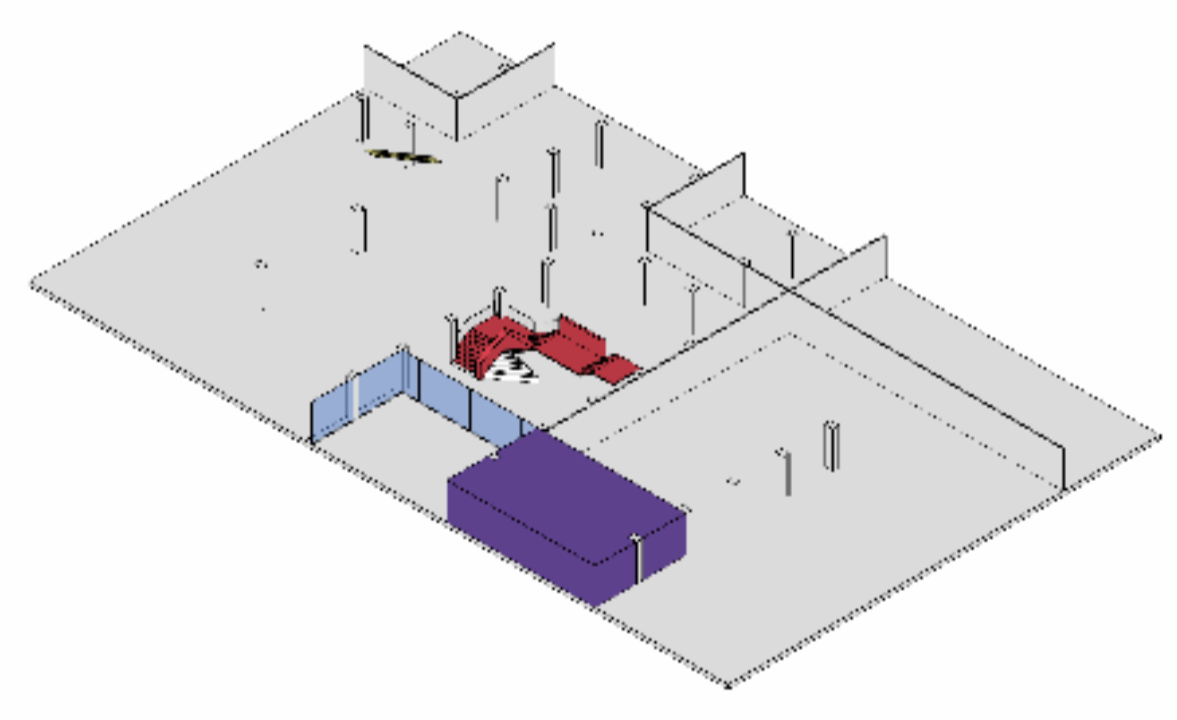
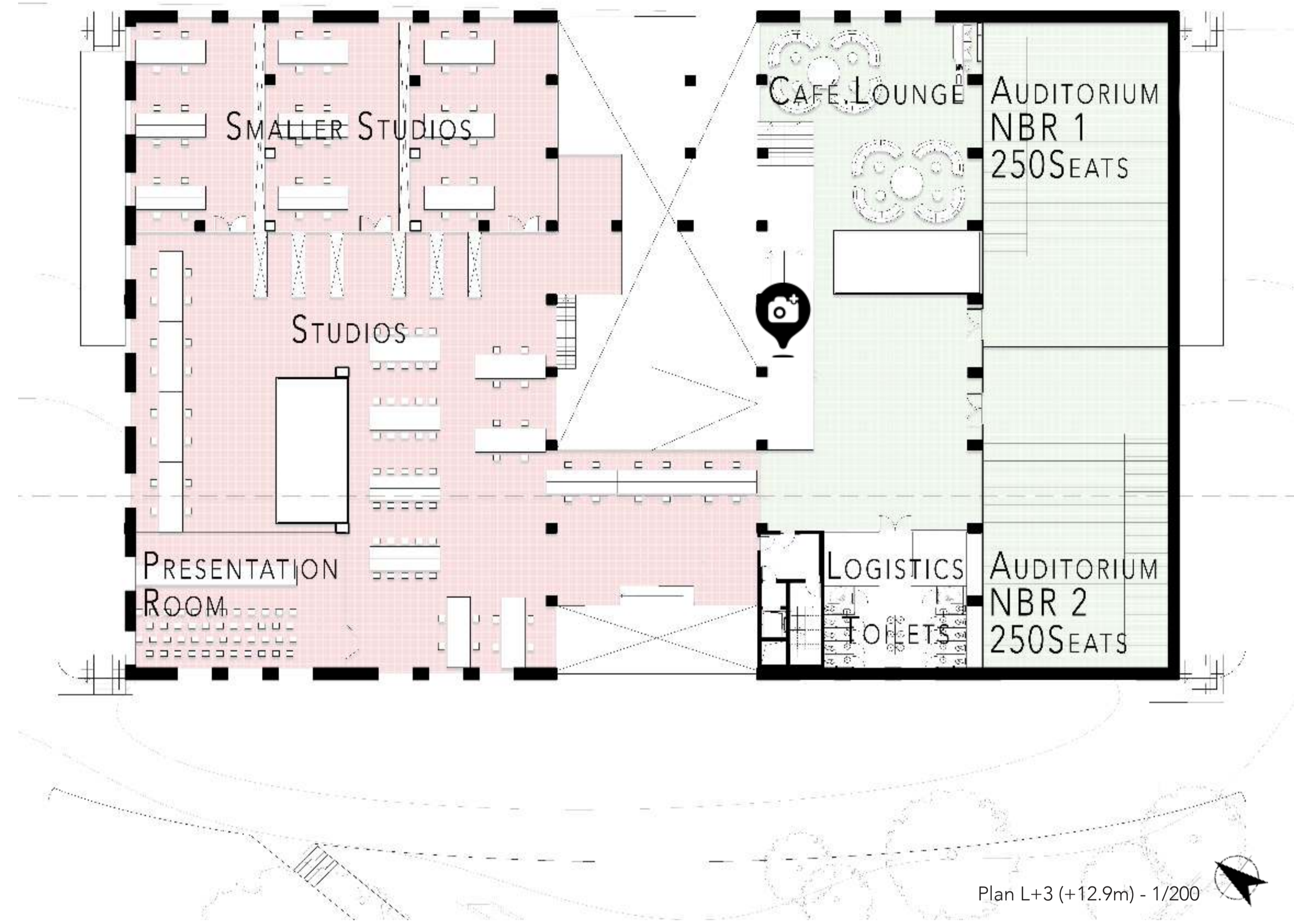
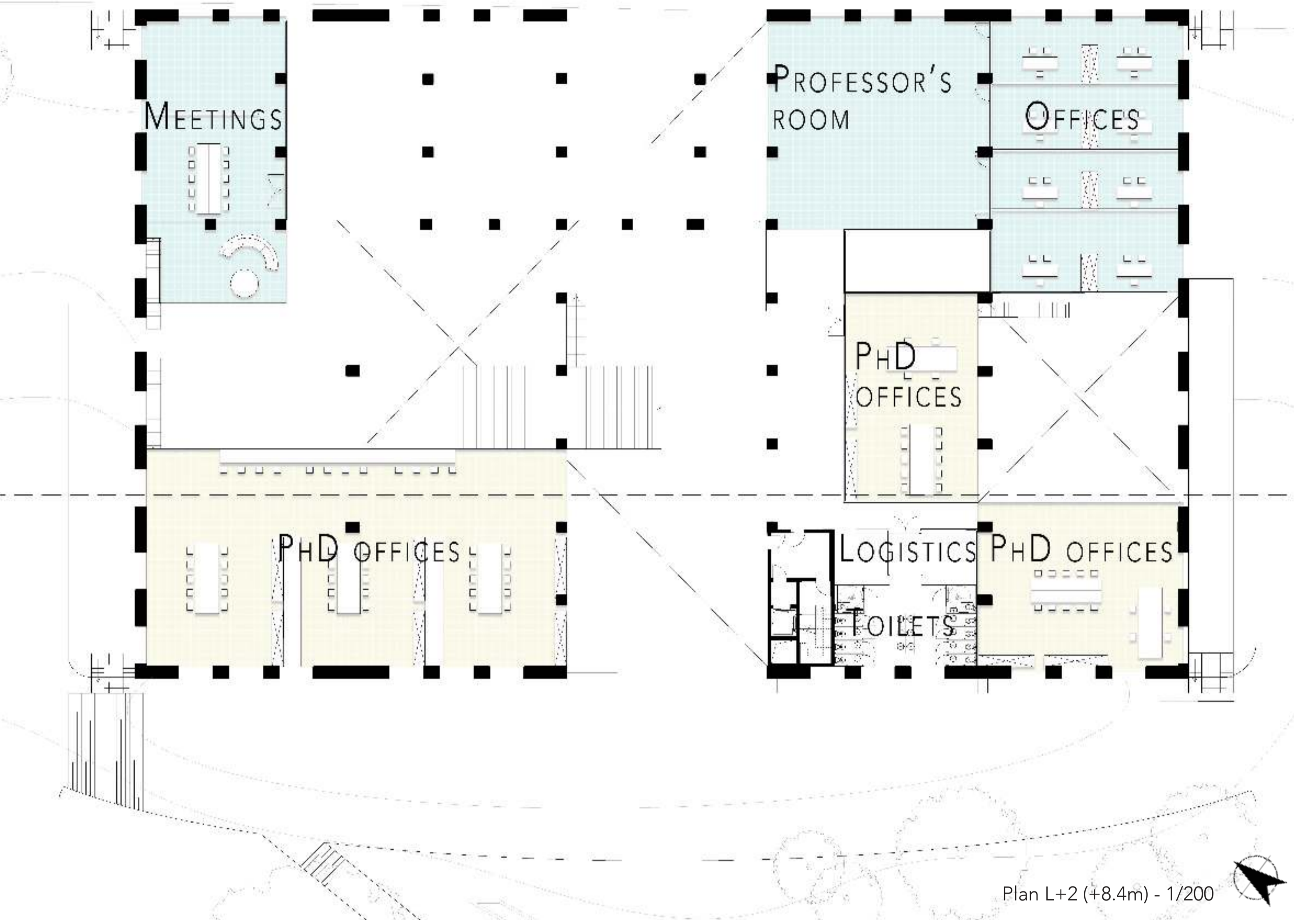


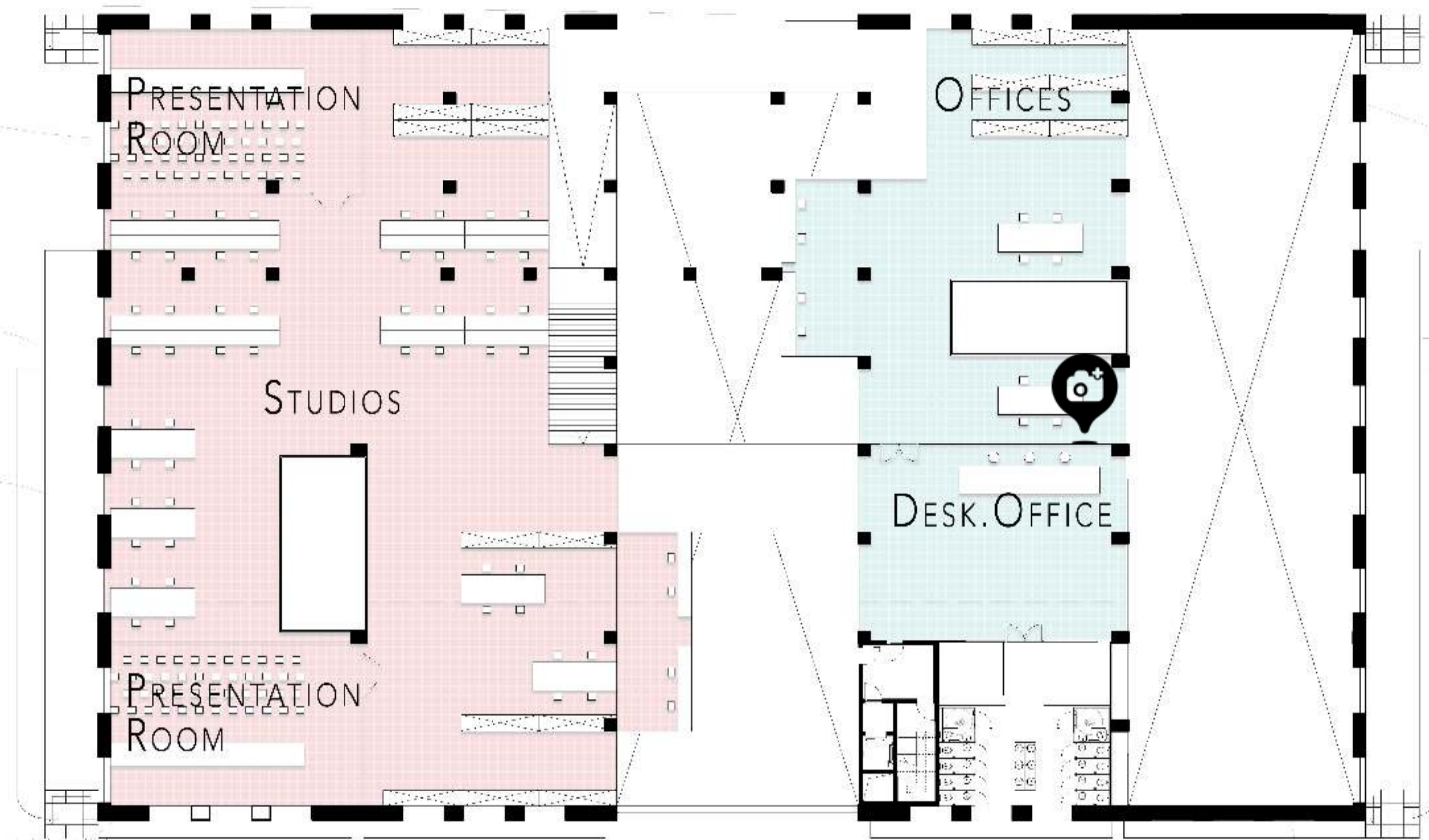
Section BB' - 1/500



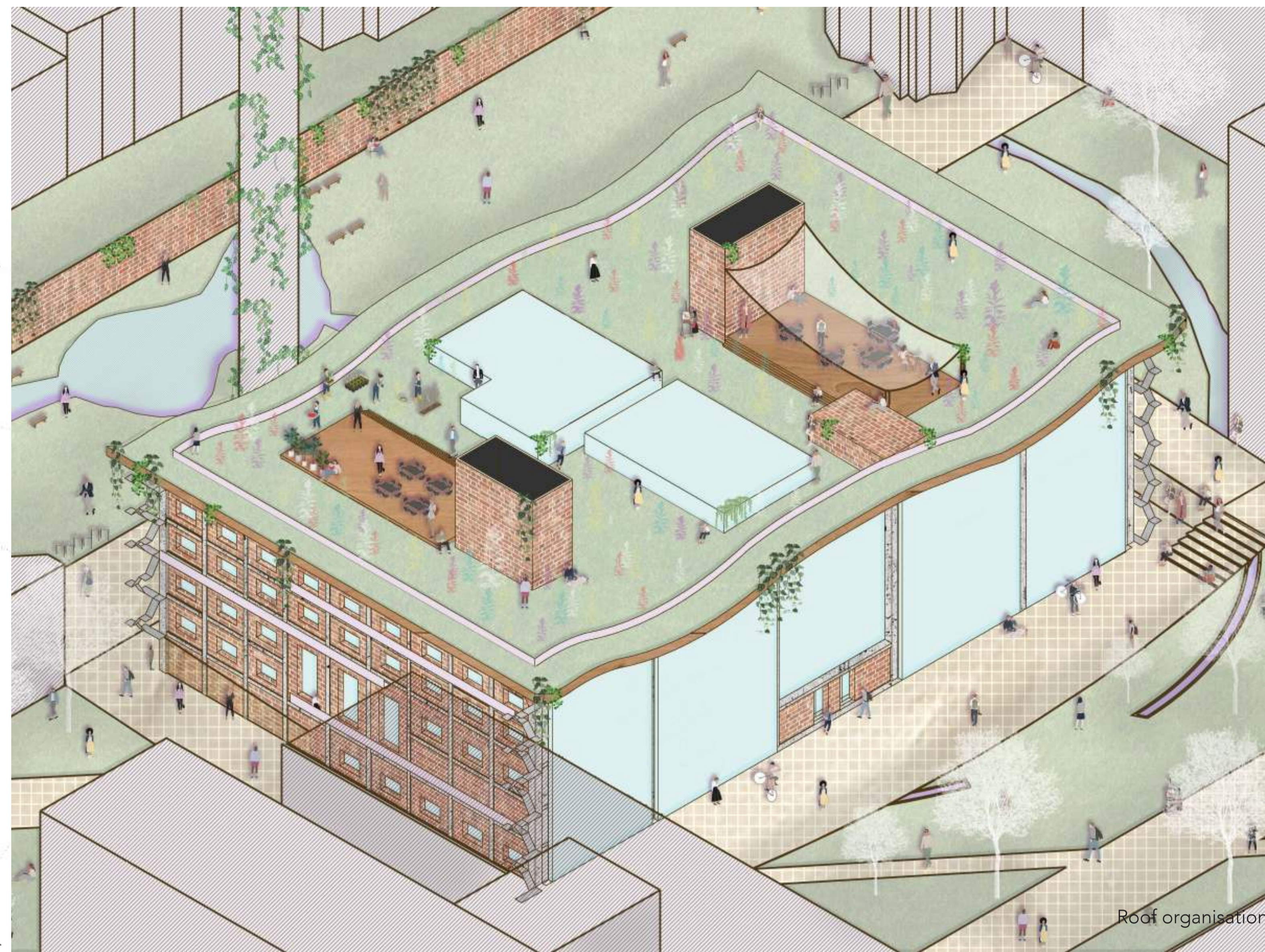
Eleonora Rubinacci
 archiLink
 MA 1 AE
 Bruface
 May 18th, 2021



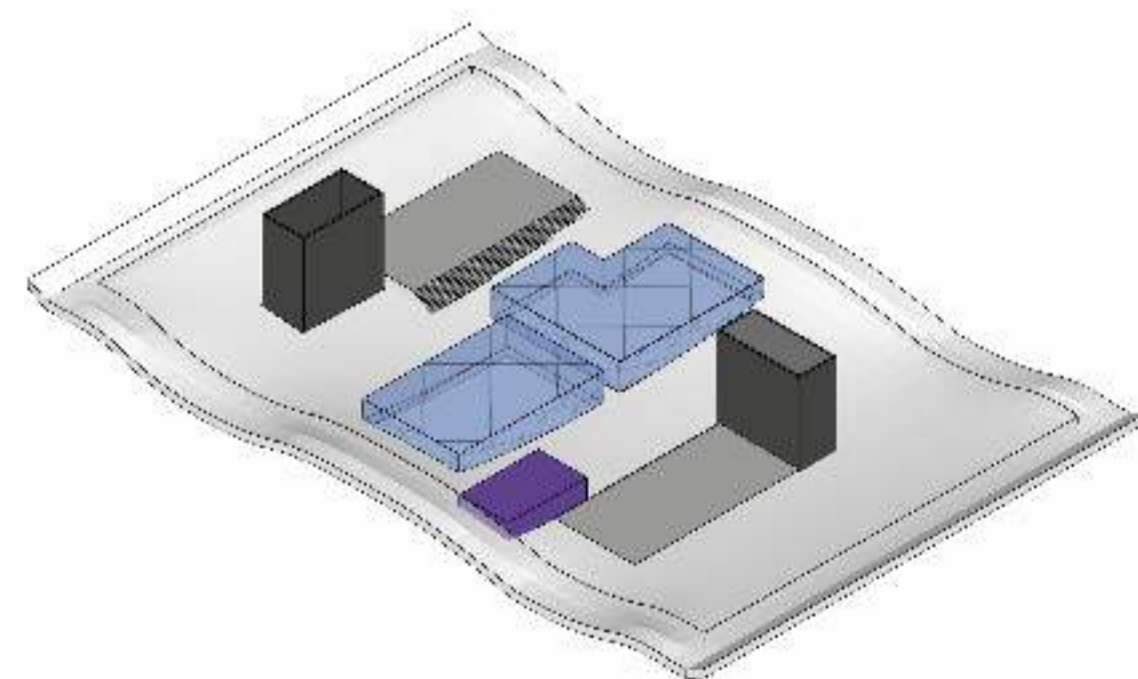
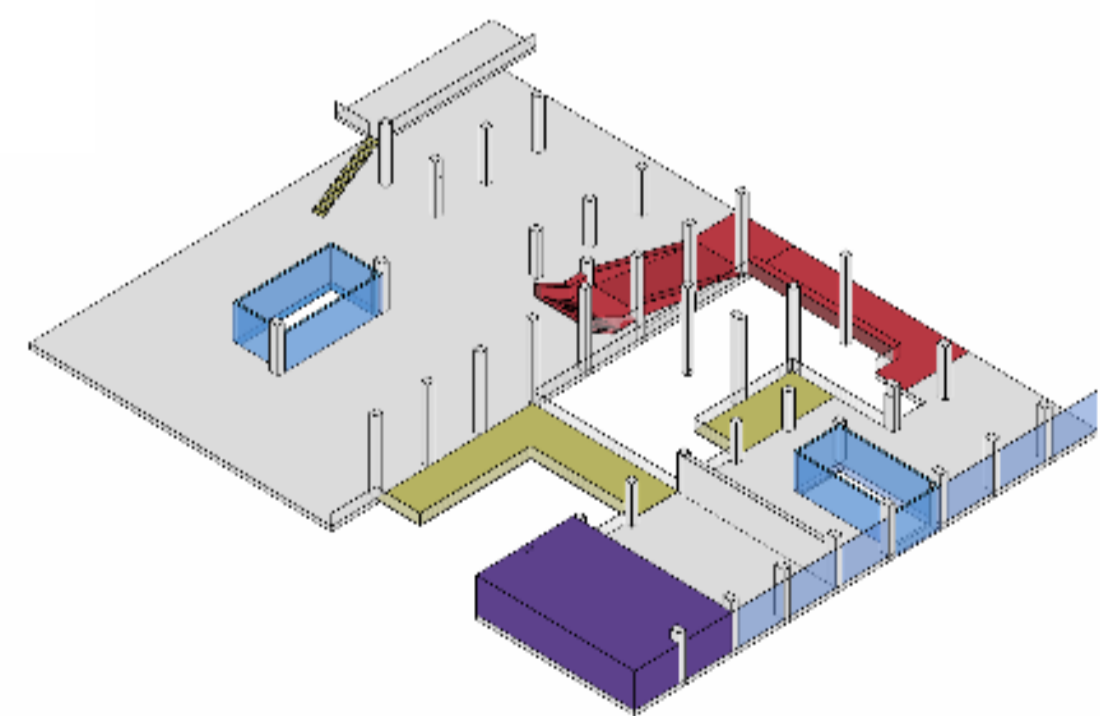




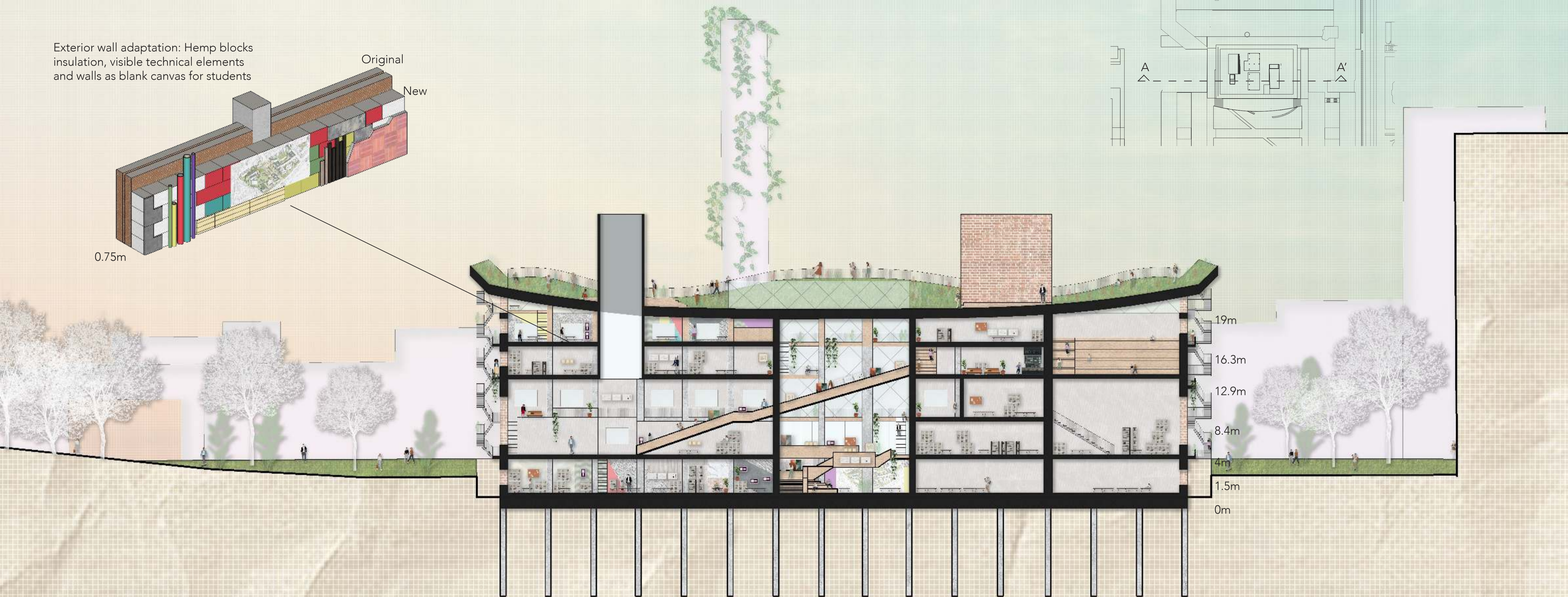
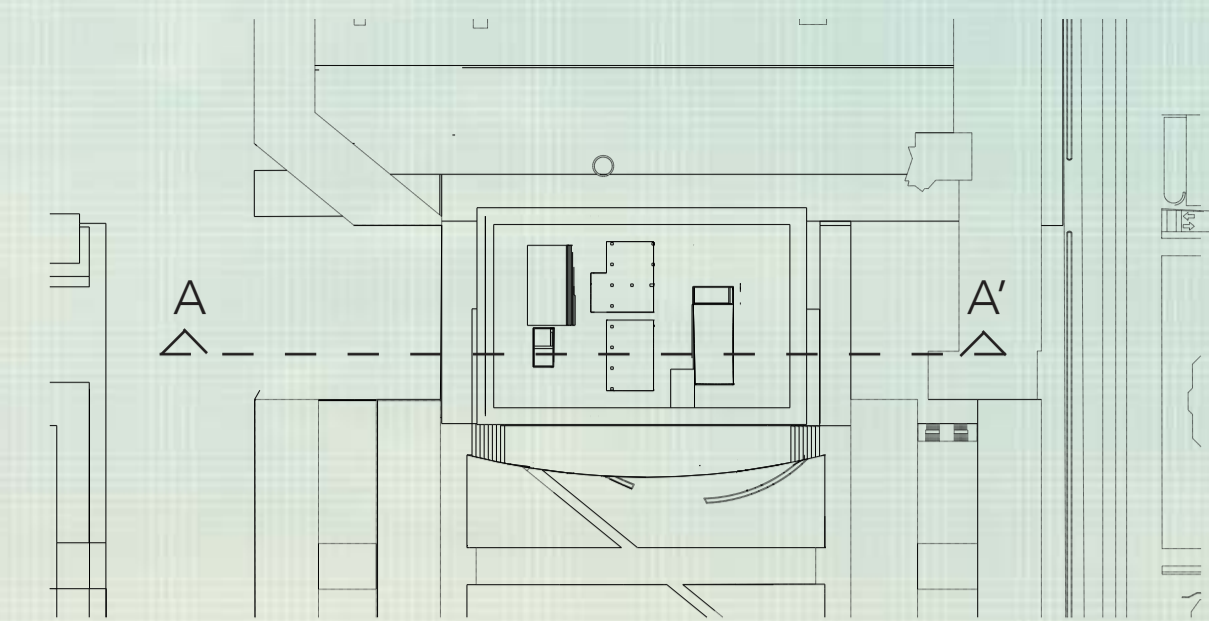
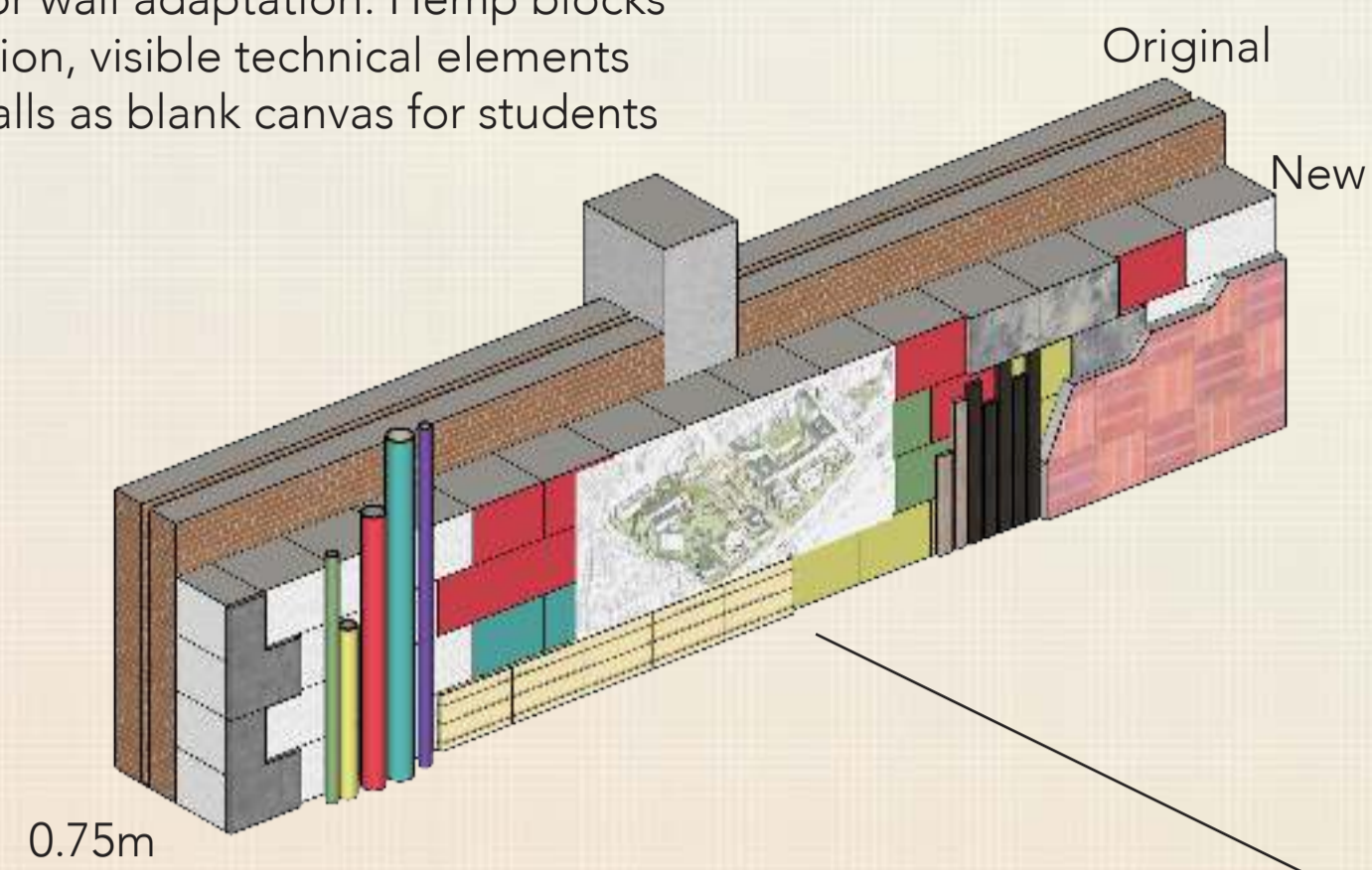
Plan L+4 (+16.3m) - 1/200



Roof organisation



Exterior wall adaptation: Hemp blocks insulation, visible technical elements and walls as blank canvas for students



Section AA' - 1/200

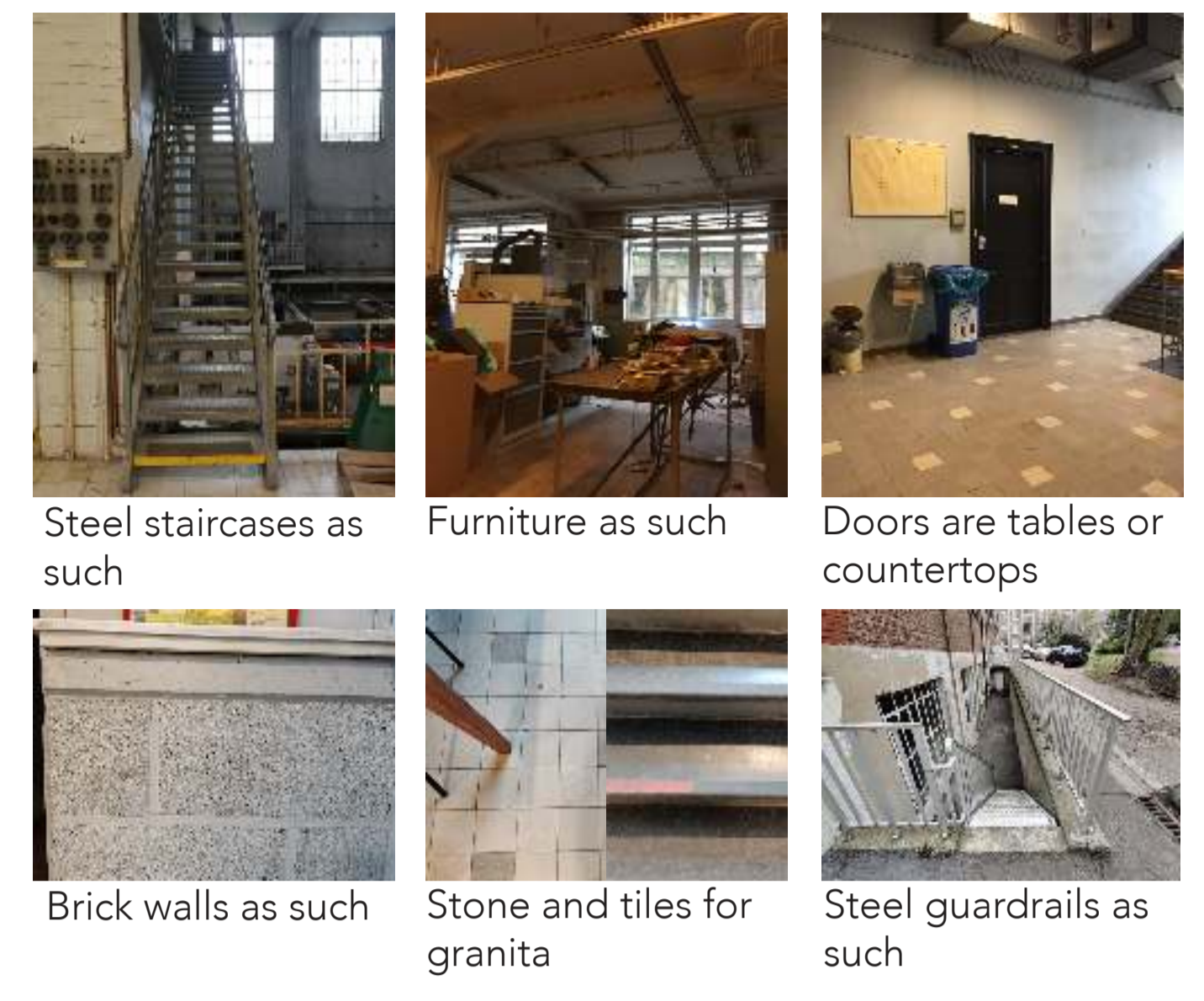
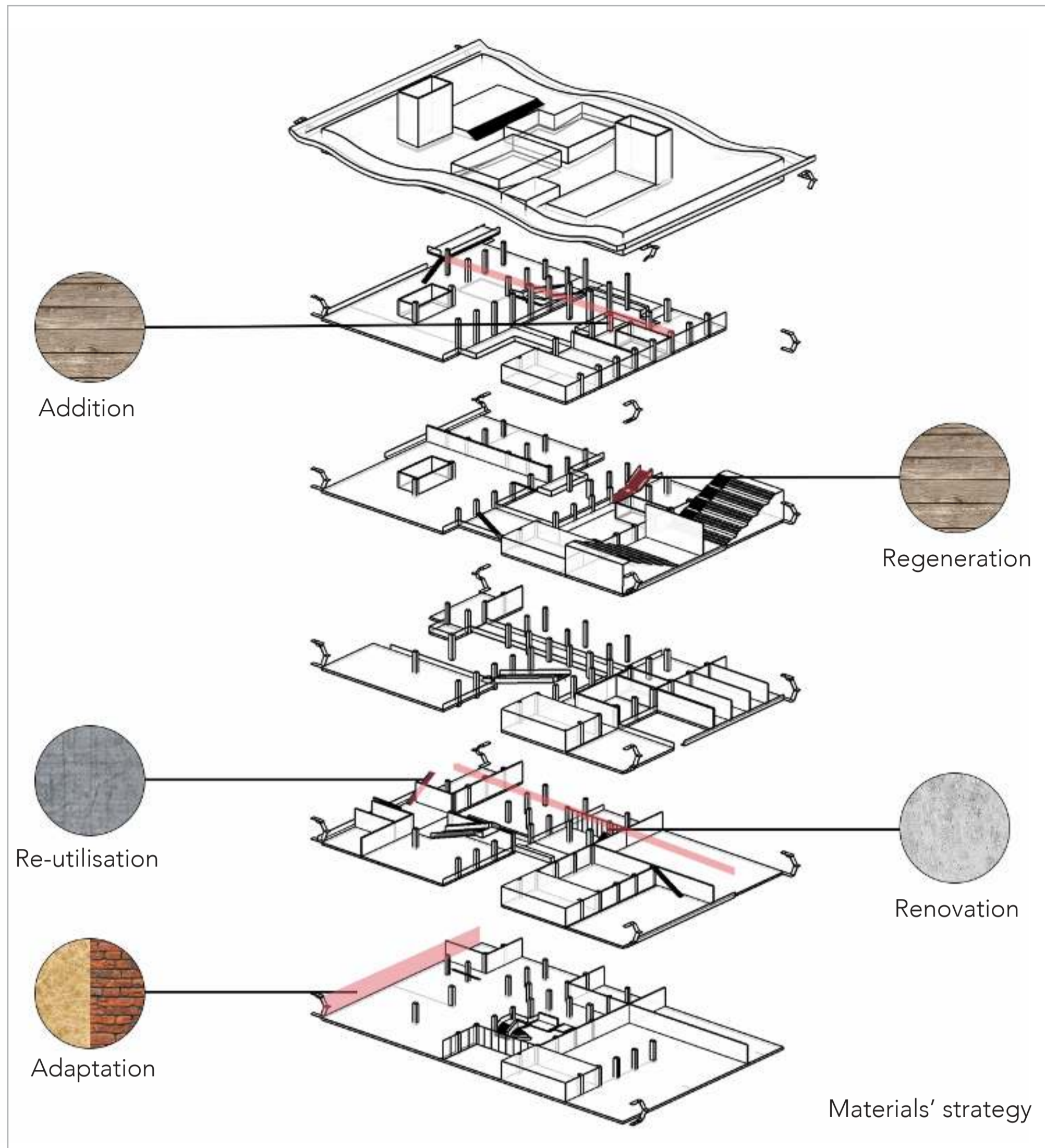


Elevation North-East - 1/200



- 2.4 x 1.7m; original size
- 2.4 x 5.22m; original size
- 2 window modules

Elevation South-East - 1/200



Goals: learn, experiment, re-use

