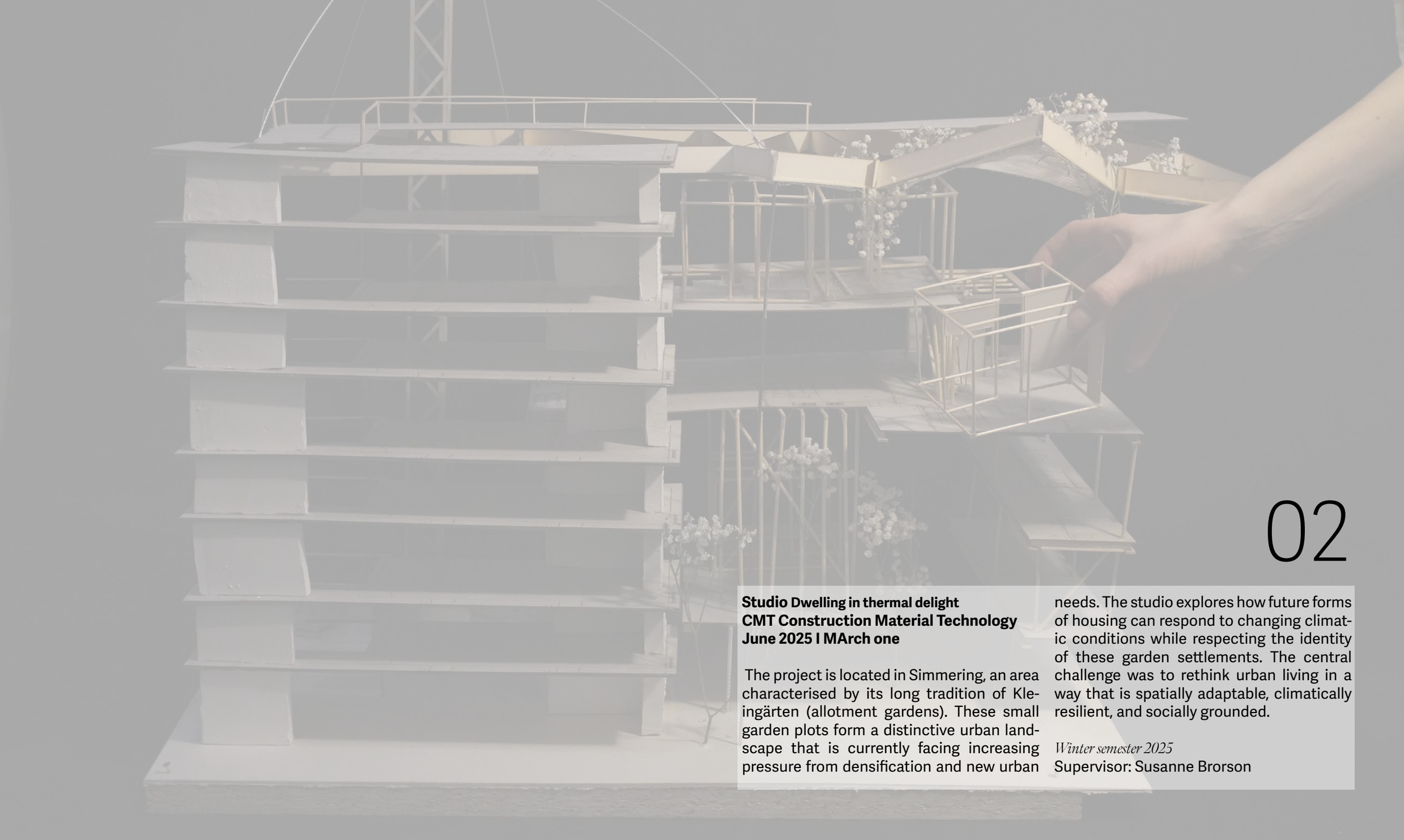
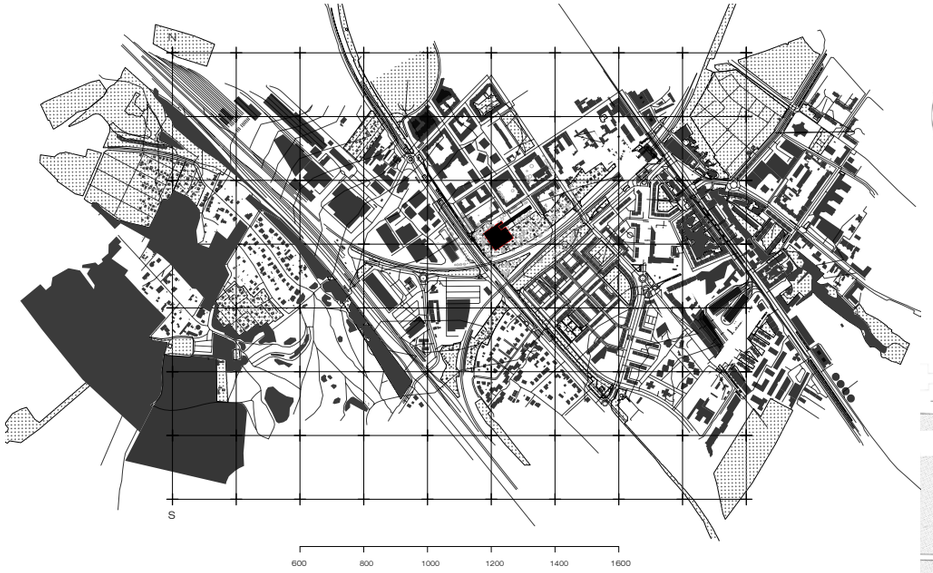


02

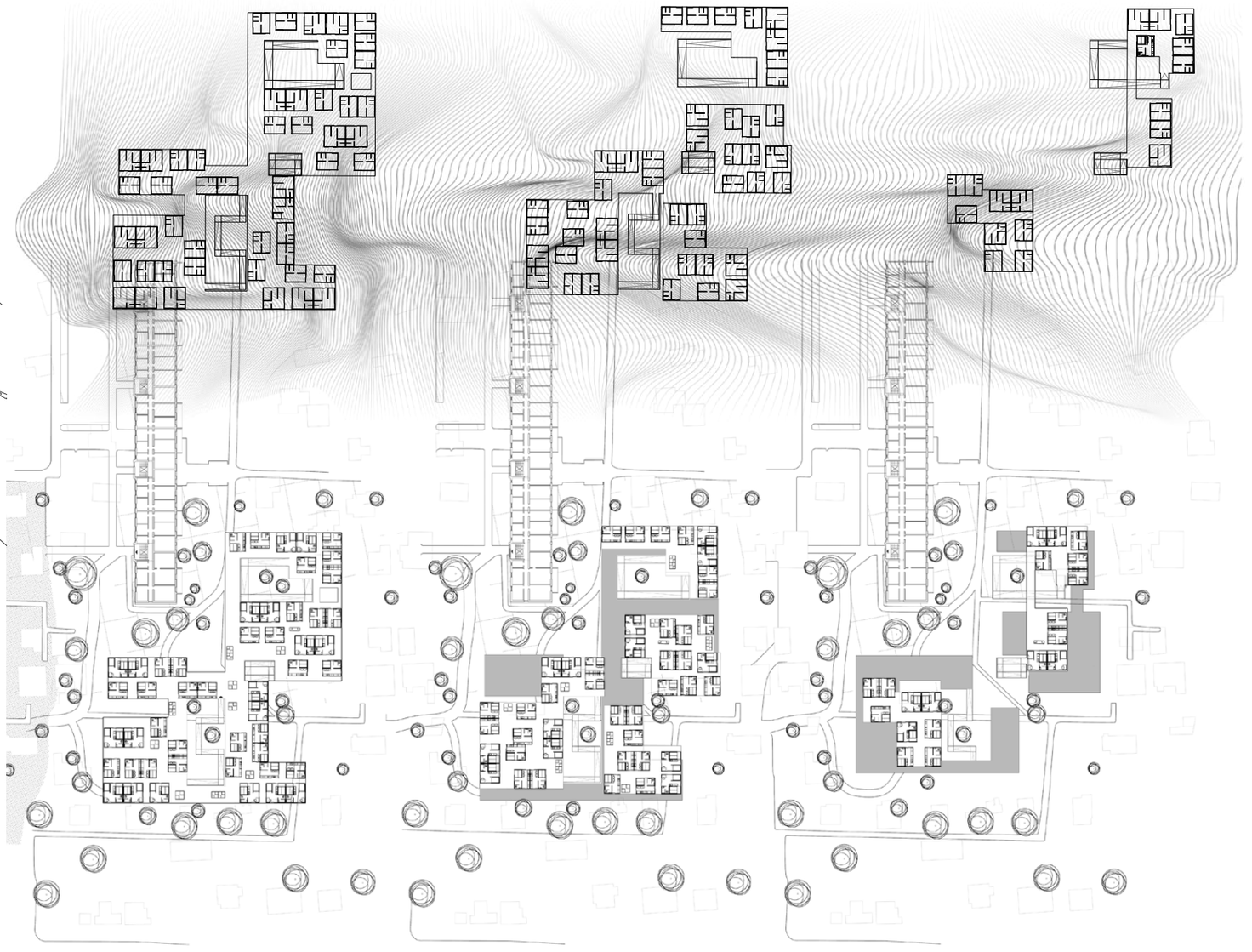
Studio Dwelling in thermal delight
CMT Construction Material Technology
June 2025 I MArch one

The project is located in Simmering, an area characterised by its long tradition of Kleingärten (allotment gardens). These small garden plots form a distinctive urban landscape that is currently facing increasing pressure from densification and new urban needs. The studio explores how future forms of housing can respond to changing climatic conditions while respecting the identity of these garden settlements. The central challenge was to rethink urban living in a way that is spatially adaptable, climatically resilient, and socially grounded.

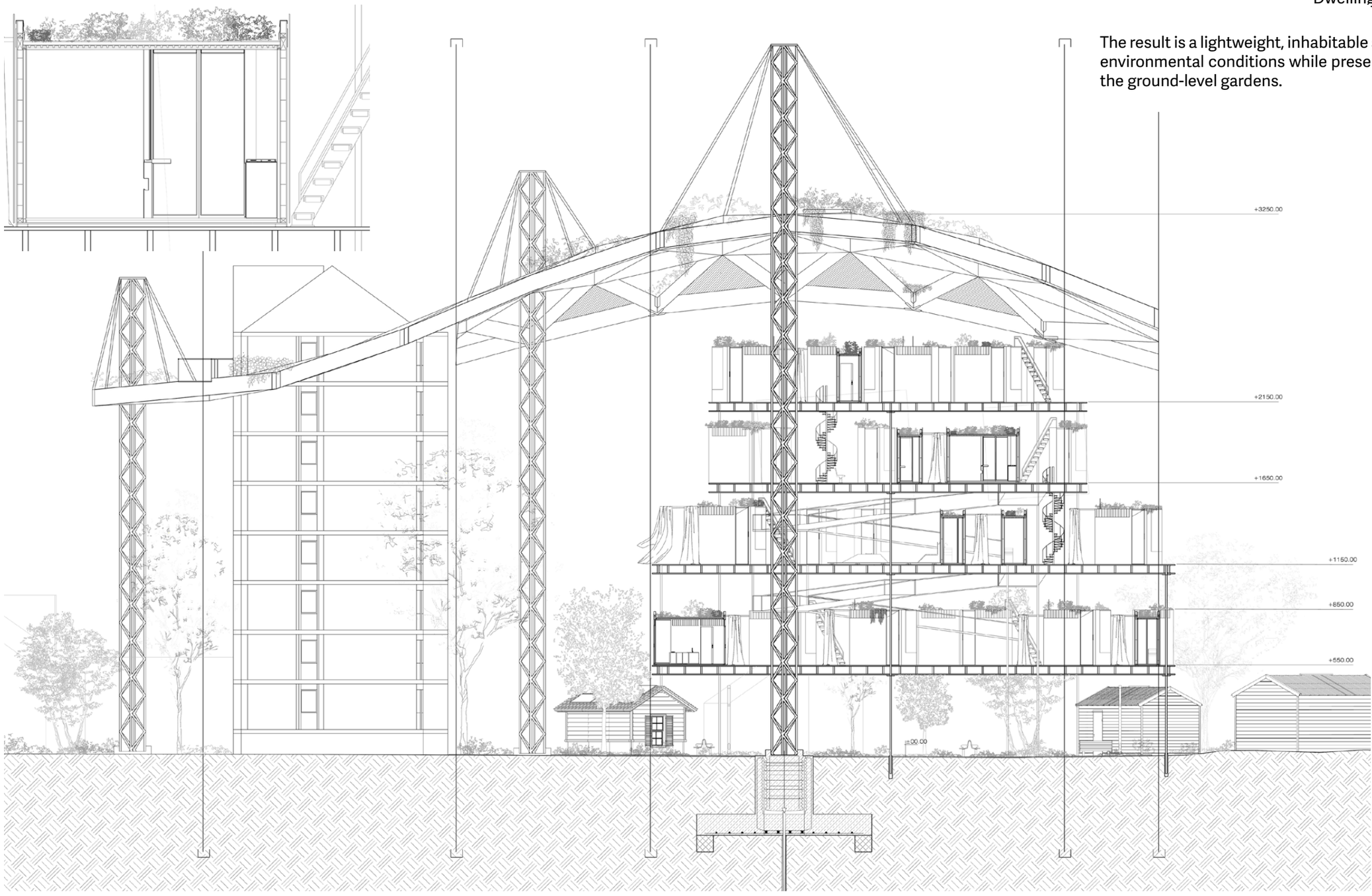
Winter semester 2025
Supervisor: Susanne Brorson

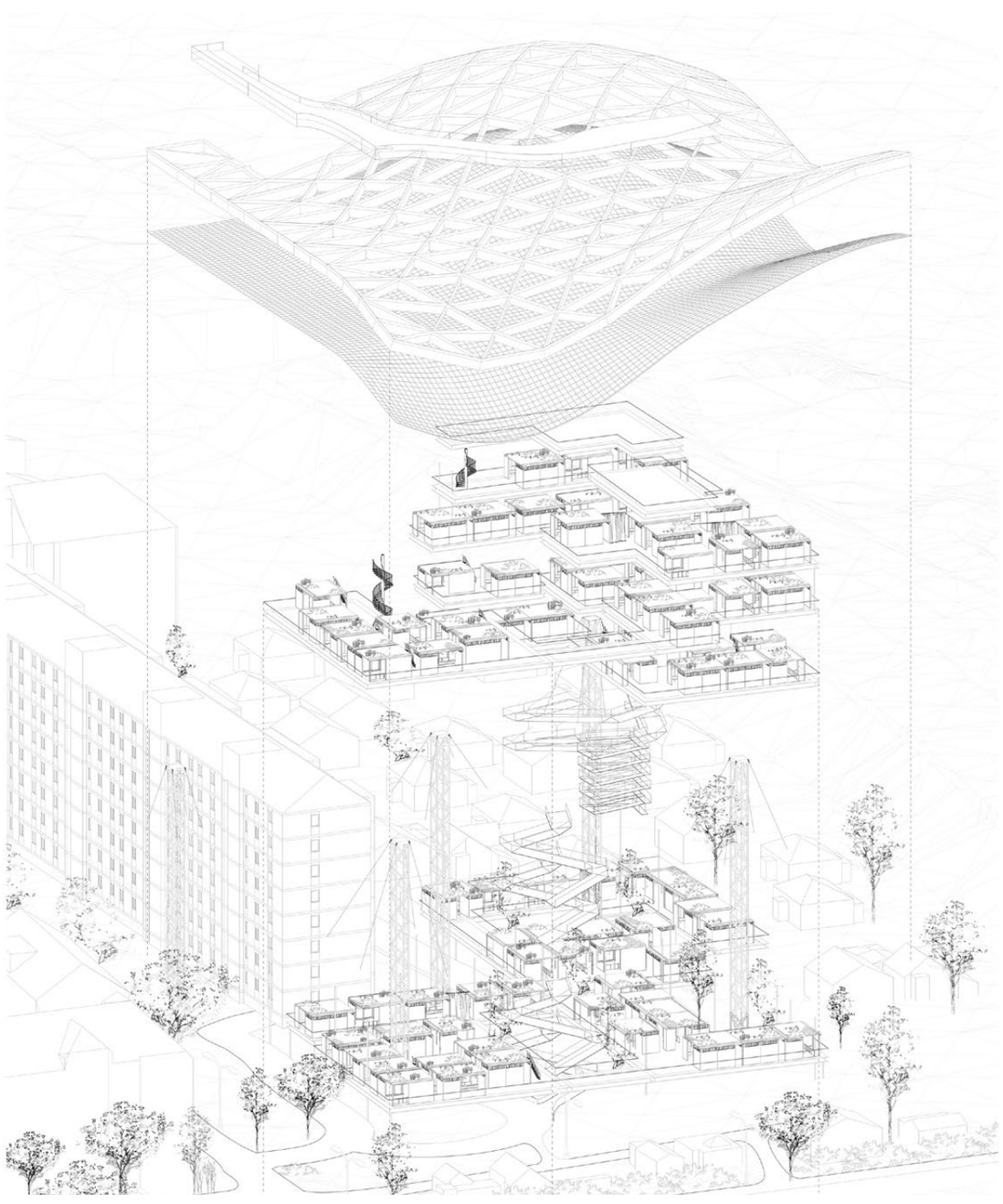


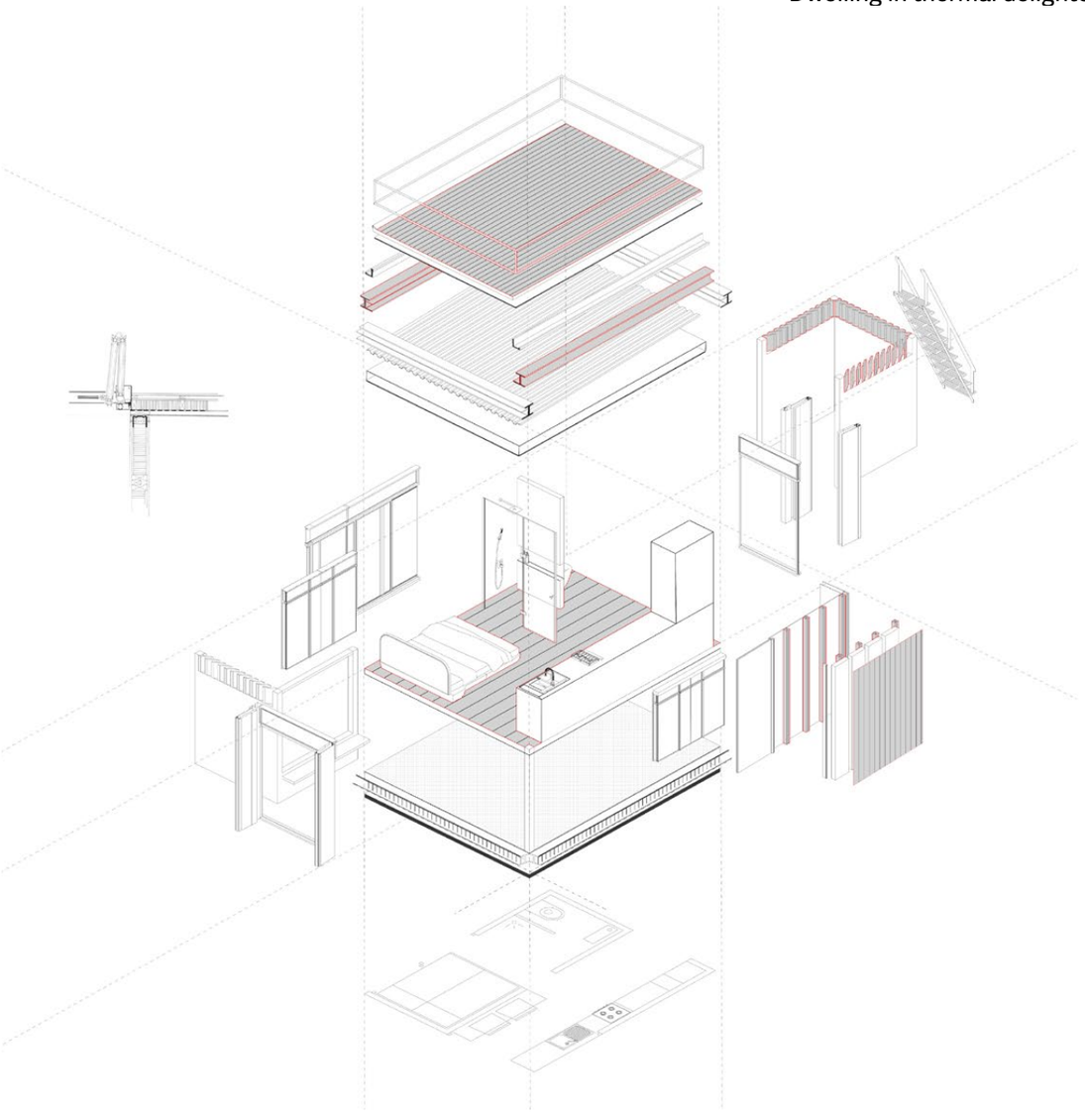
Set in Vienna's allotment garden districts, this project reimagines urban densification through climate-responsive living structures. Rather than replacing existing gardens, the proposal introduces an elevated, open framework that enhances airflow, supports seasonal comfort, and allows residents to adapt their spaces over time. Climatic simulations guided each design iteration, shaping the distribution of platforms, openings, and thermal zones.



The result is a lightweight, inhabitable scaffold that reacts to environmental conditions while preserving the character of the ground-level gardens.







Since the aim is to increase the density of living space, two types of floor plans were developed, with which the individual platforms were arranged.

The openness and adaptability of the floor plan and the hierarchy of privacy were examined in detail and studied for a new way of living together in shared accommodation.



