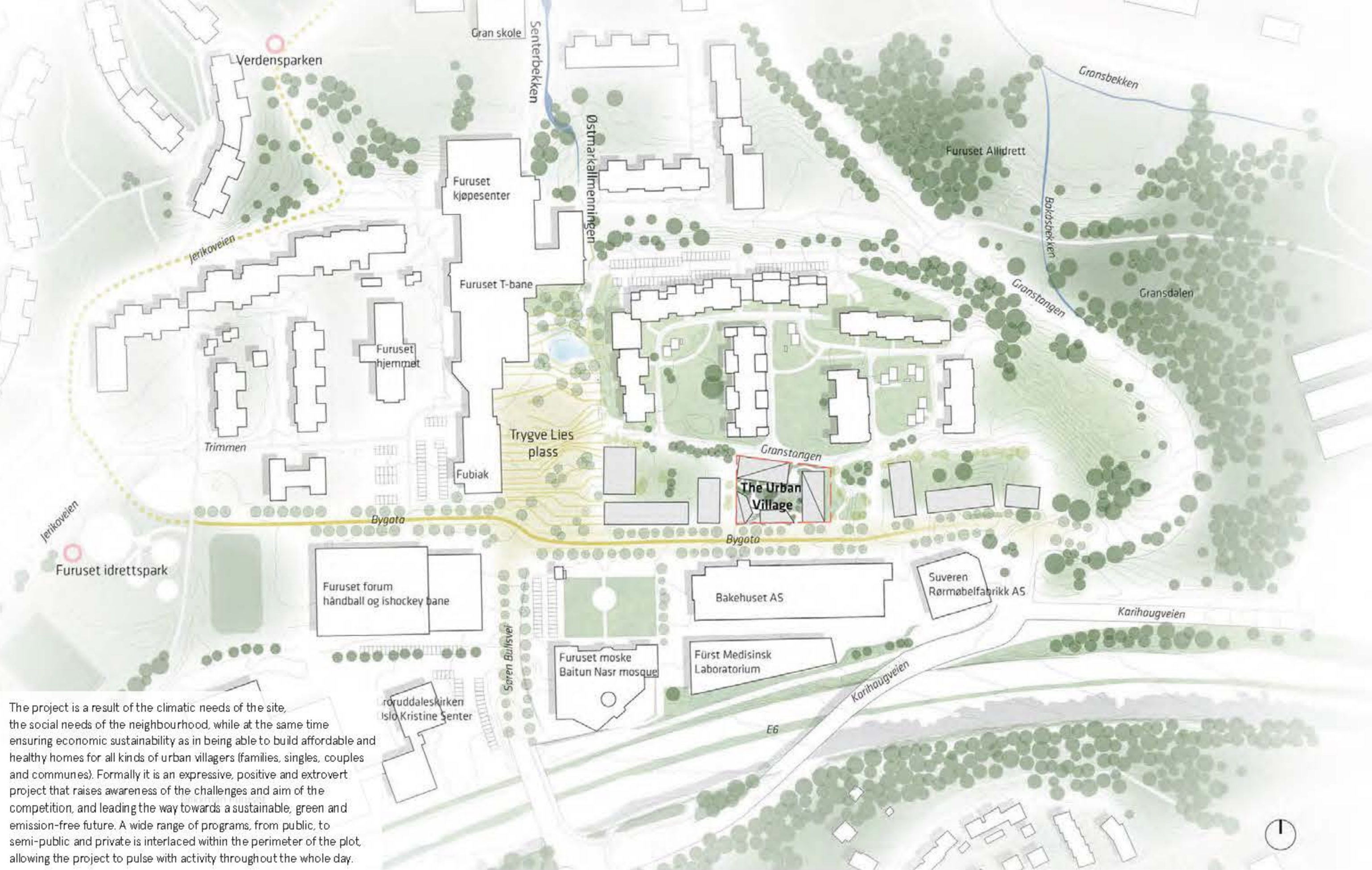




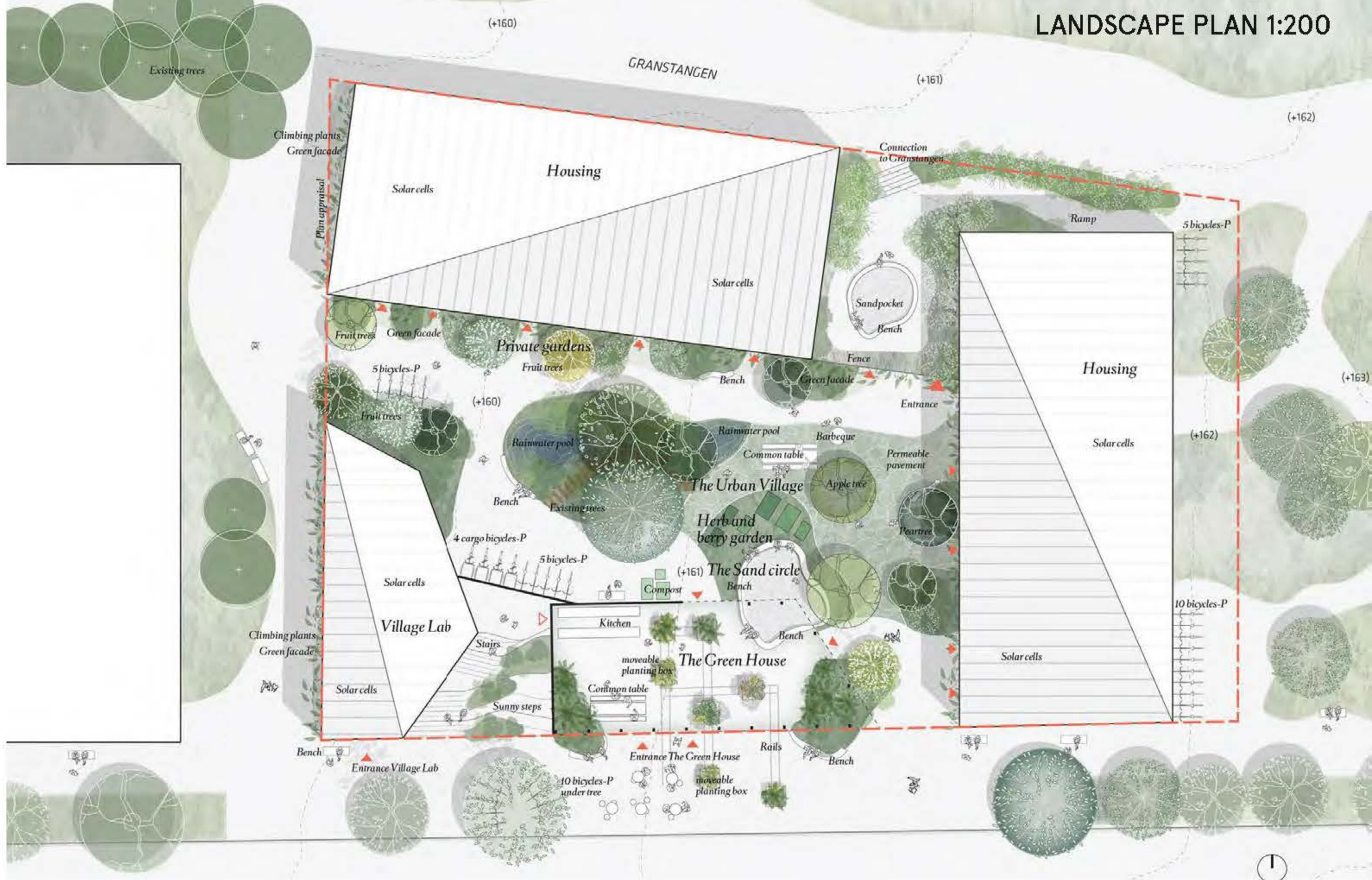
THE URBAN VILLAGE

Reinventing Furuset - Illustration Boards

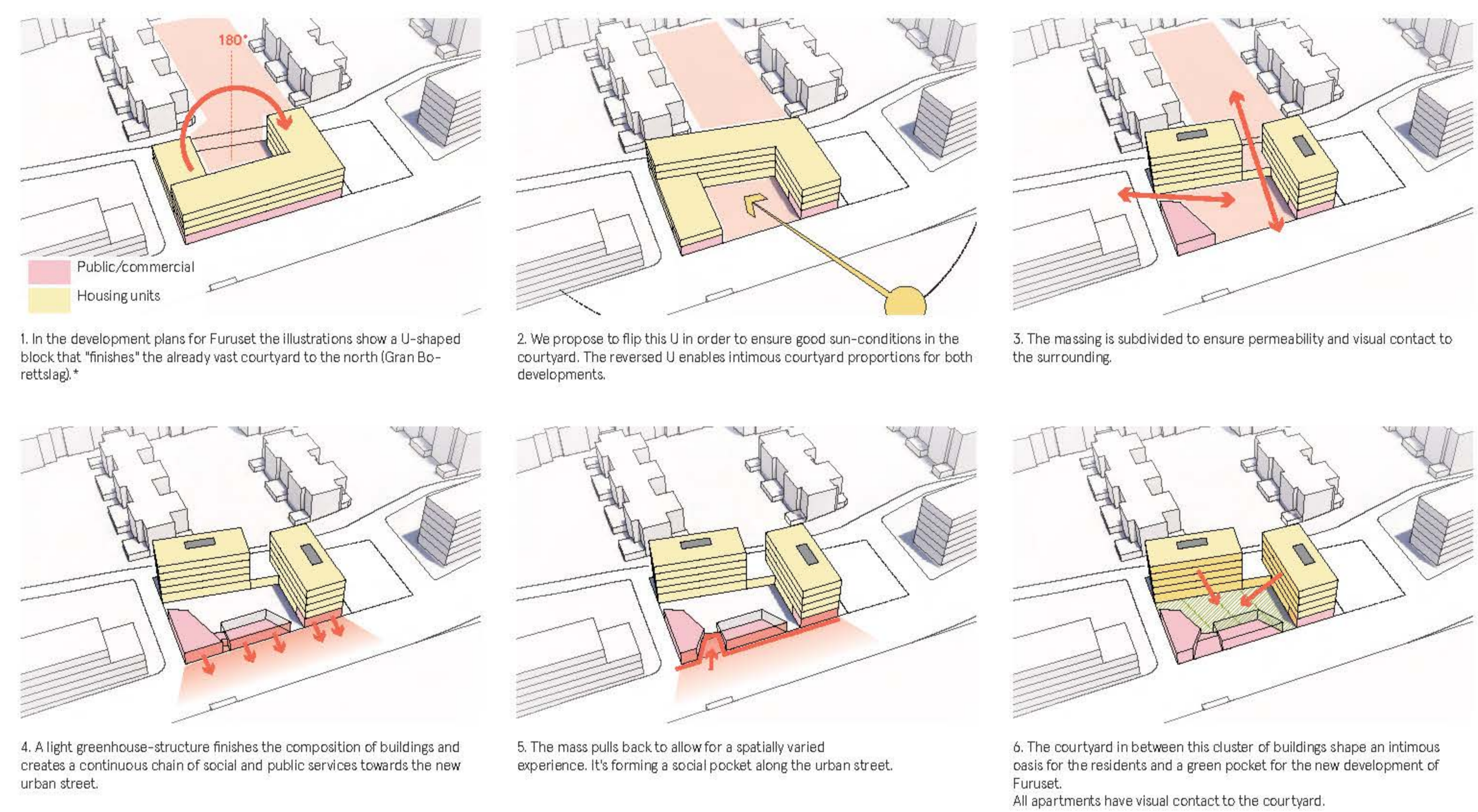
SITE PLAN 1:2000



LANDSCAPE PLAN 1:200



MASSING STRATEGY

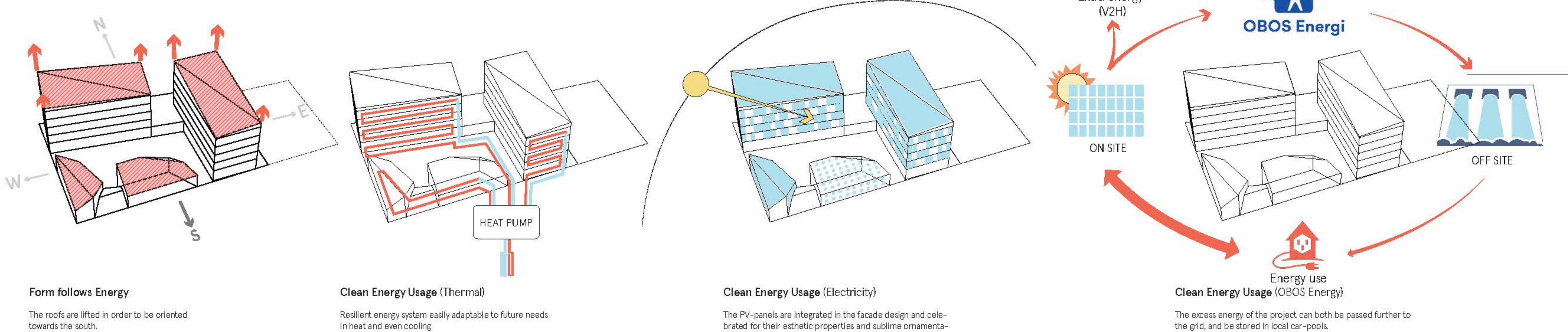


PROGRAMMATIC DISTRIBUTION AND CIRCULATION



FORM FOLLOWS ENERGY

- Our proposal is based on the idea of energy-plus-house principles. This is achieved through design commitment, large-scale energy production and energy efficient appliances.
- The roofs are slanted towards south and covered with high efficiency solar panels which allows for optimal sun exposure.
- The housing mass consists of two clean cut, compact building blocks that enables minimum heat-loss and reduces material use.
- There is no basement which saves a lot of energy and material in the building process.
- The buildings are rationalized and planned for modular assembly. Which allows the building components to get produced indoors, and quickly assembled on site.
- The design largely uses passive house principle such as high air tightness, consumption monitoring or ventilation including heat exchange and enthalpy. This allows to greatly reduce the energy consumption in the buildings.
- Load bearing structures and insulations are, as often as possible, in timber. This material insures environmental friendly project. (timber is notably the only CO2 neutral material), but also participates in the building climate and comfort.
- Take advantage of the courtyard orientation and plant deciduous trees to achieve solar gain in winter and shading in summer.



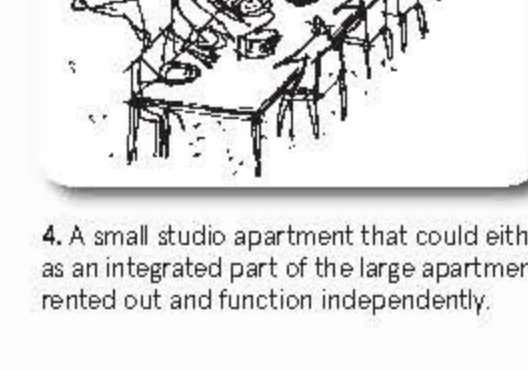
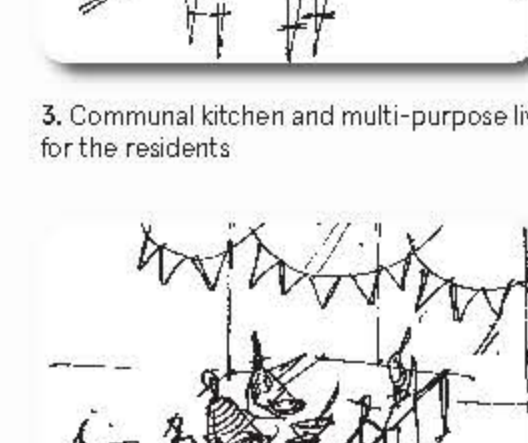
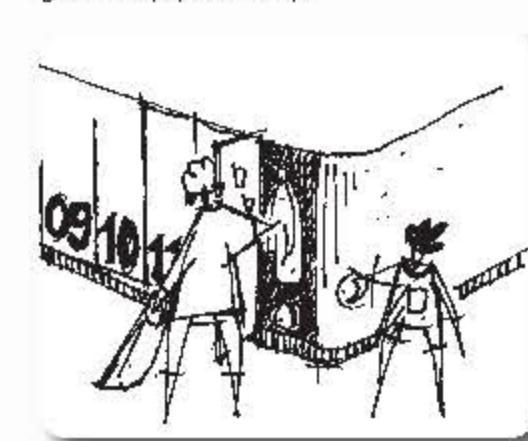


Urban Village courtyard - rainwater management and surface permeability

GROUND FLOOR PLAN 1:200

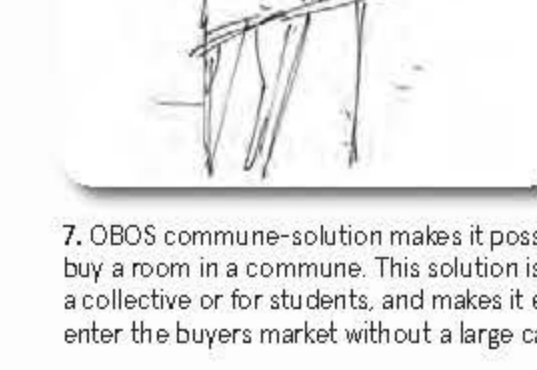
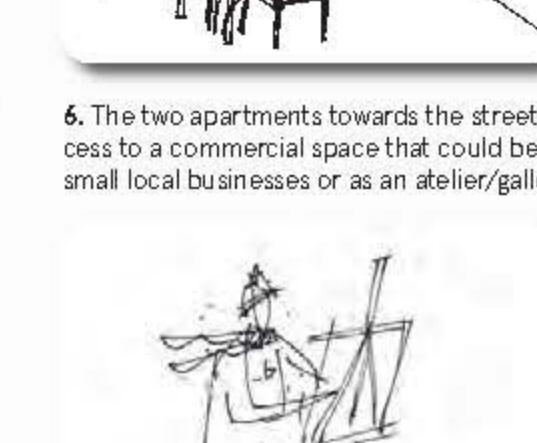
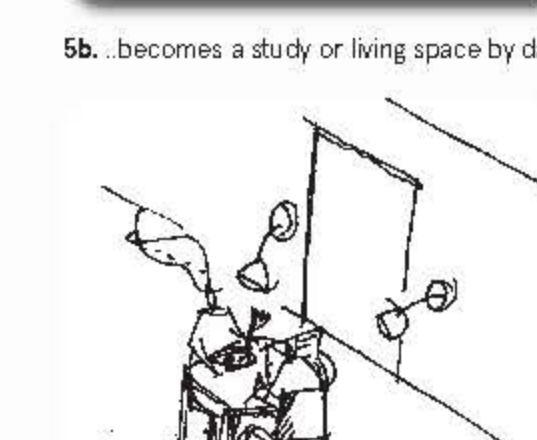
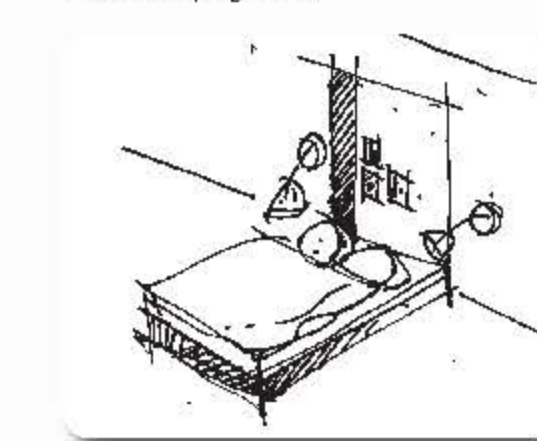


1. Entrance lockers for outside clothes or garden equipment/toys



4. A small studio apartment that could either work as an integrated part of the large apartment, or be rented out and function independently.

5a. Example of a flexible furniture solution: Bedroom by nighttime

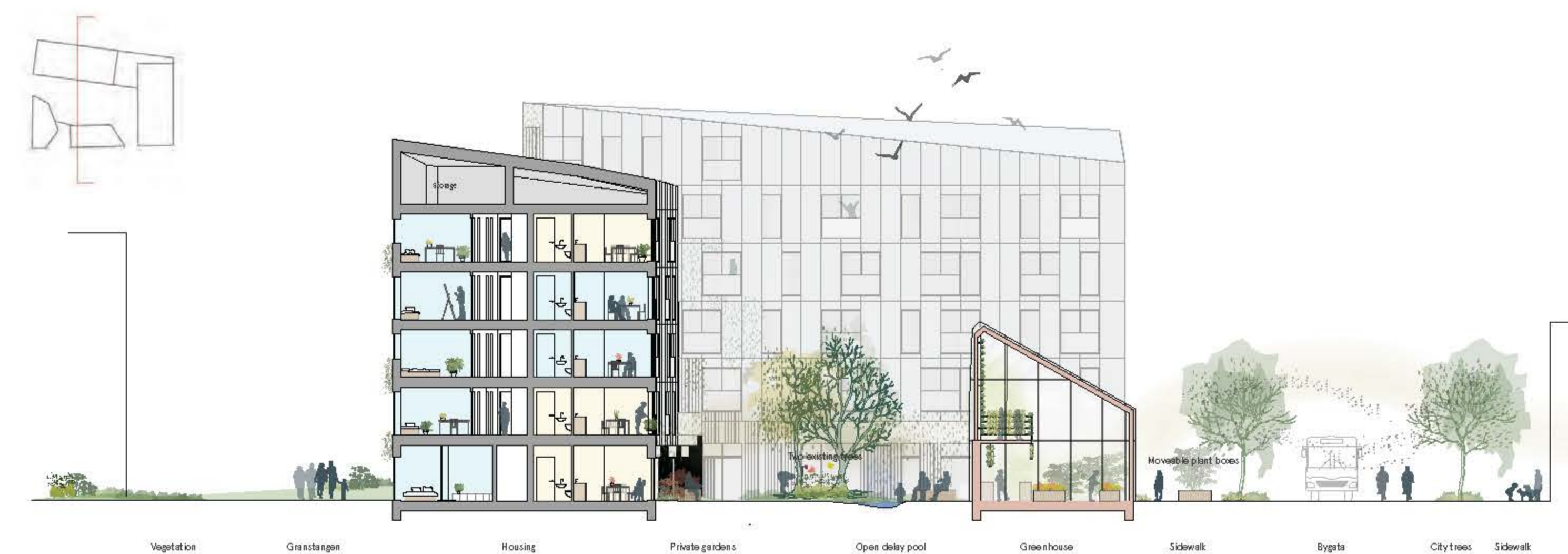


7. OBO's commune-solution makes it possible to buy a room in a commune. This solution is ideal for a collective or for students, and makes it easier to enter the buyers market without a large capital.

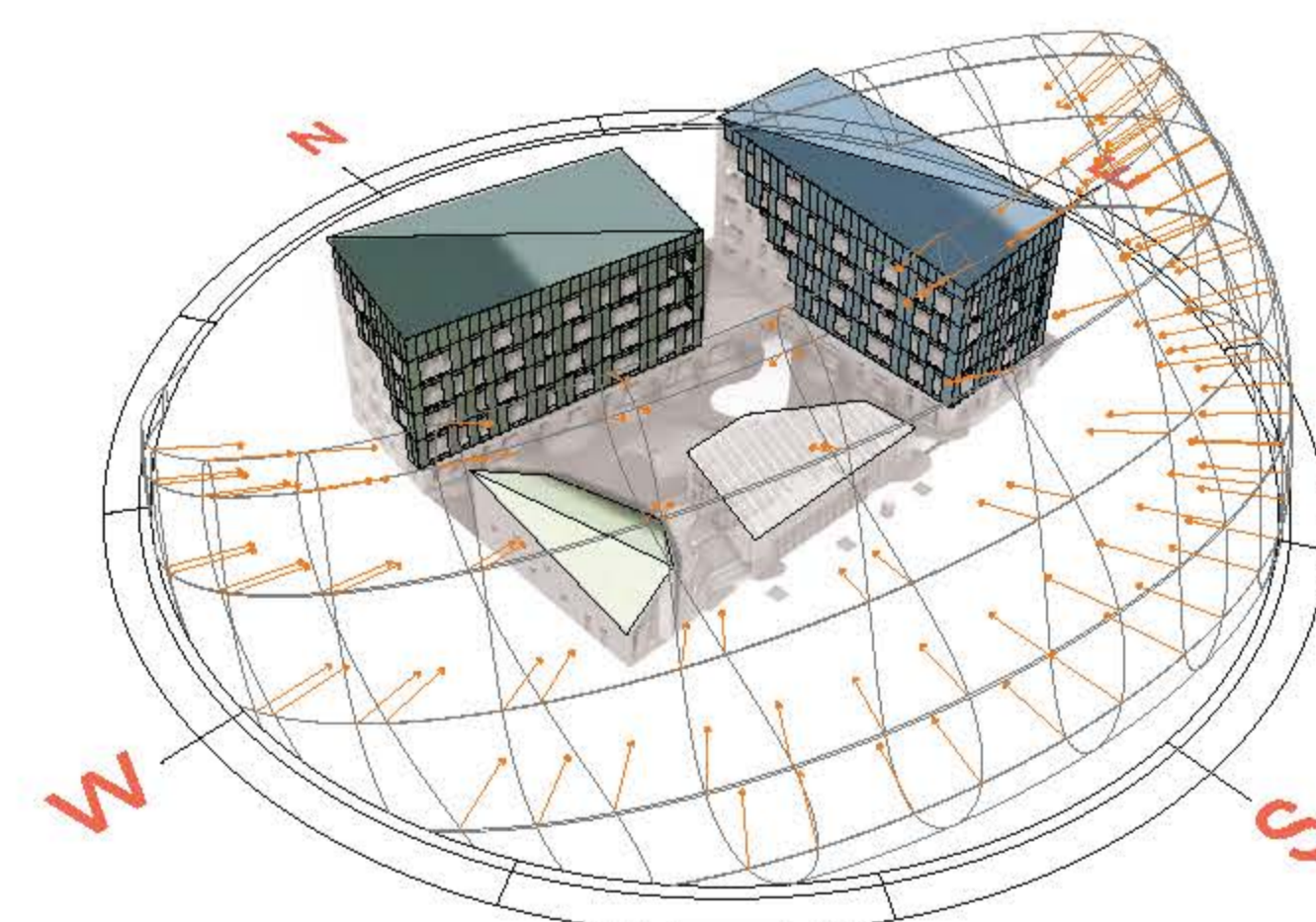
TYPICAL FLOOR PLAN - 1:200



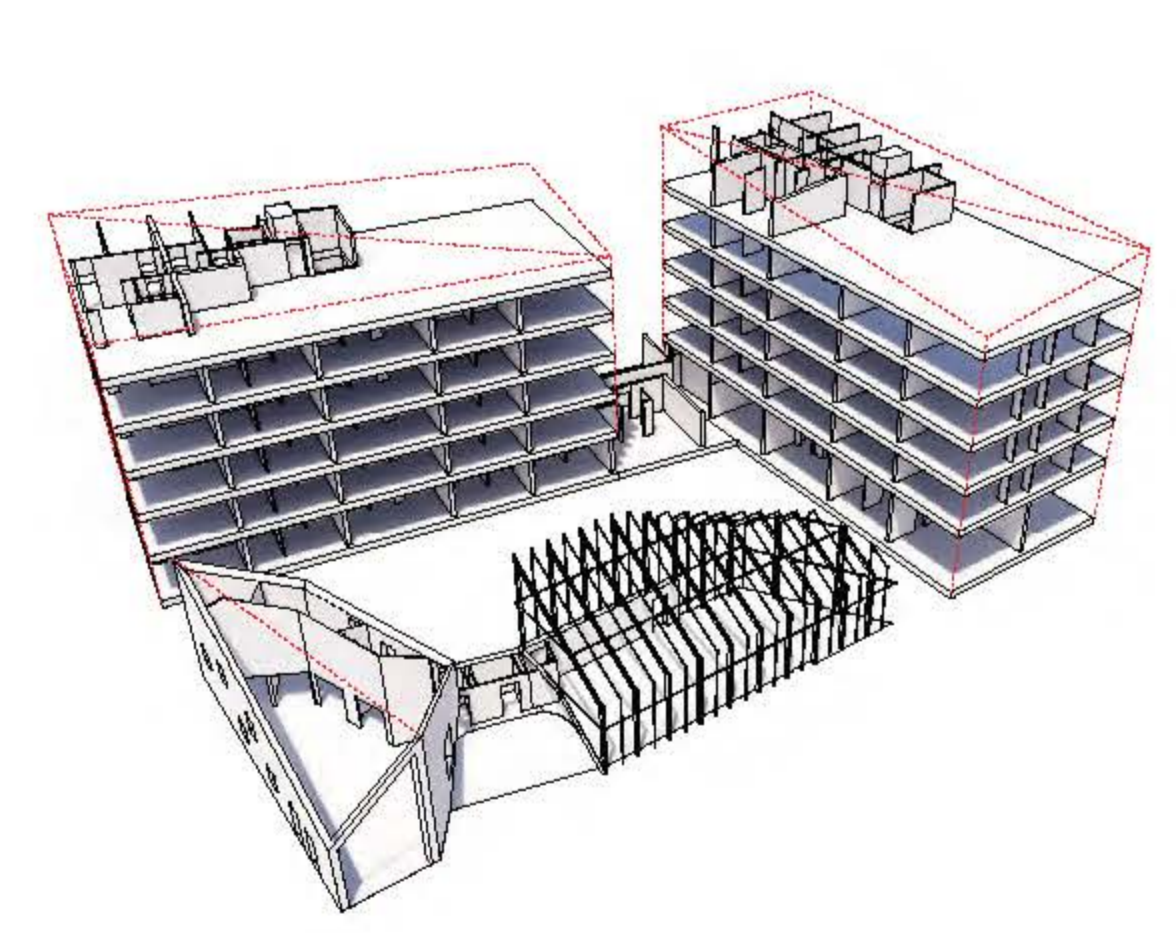
SECTION 1:200



PV/TIMBER FACADES AND STRUCTURAL SYSTEM



Application of solarpanels corresponds to the results from the annual radiation studies. Where the solar radiation is low, the facade is clad with untreated wood panels.



The structural design of the housing-blocks is highly rational, and optimized for modular production and quick and clean assembly (clean production and clean construction site).

FACADE ELEVATIONS 1:200



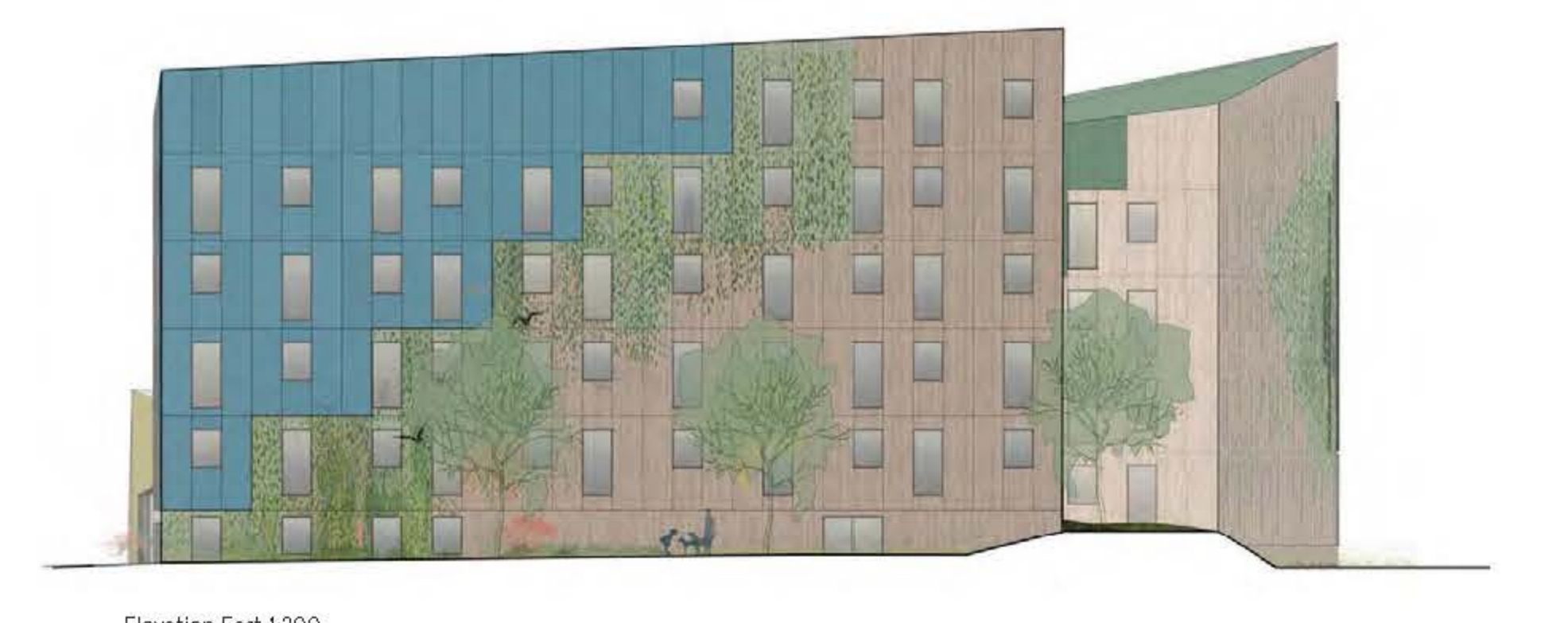
Elevation South 1:200



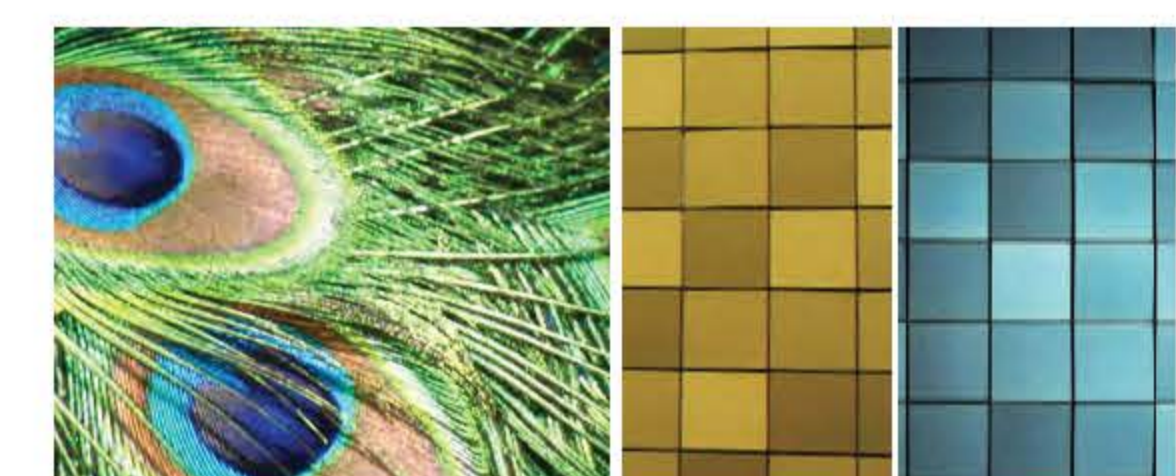
Elevation West 1:200



Elevation North 1:200



Elevation East 1:200



The Colour Palette of the photovoltaic facade-panels are inspired by the everchanging colour-variations found in peacock feathers. The second picture show the preferred Solar panels that have a nano coating, here some of the colour-variations can be seen from different angles. Product reference shows Kromatix™ by SwissISO applied in the SolarLab facade system.



Untreated wood cladding is used as a sober contrast to the colourful photovoltaic panels - it is a traditional Norwegian facade-cladding that becomes silver with time.



The prefabricated timber wall components are insulated with wood fiber insulation. Several of our sustainable building materials are offered by the Hunton and its Group of companies.

