

RIVERBANK: MADE IN NL

an exploration of tectonics in the contemporary vernacular



problem statement

Construction accounts for a large share of global environmental impact. Rethinking the materials we use to build our ever growing cities can greatly reduce this impact. By looking into the past and learning from vernacular solutions, we can fulfill today's material niches with local, bio-based options. This results in a different architectural experience than we are used to, but exactly how is it different? What are the material challenges and opportunities? How does the relation between building and user change? And how is this expressed in the architecture? This project is an exploration of the architectural implications of using native materials in the contemporary urban context.

Maintenance
The selected materials demand a relatively high amount of maintenance. Allowing for user-friendly upkeep lowers the threshold for executing maintenance.

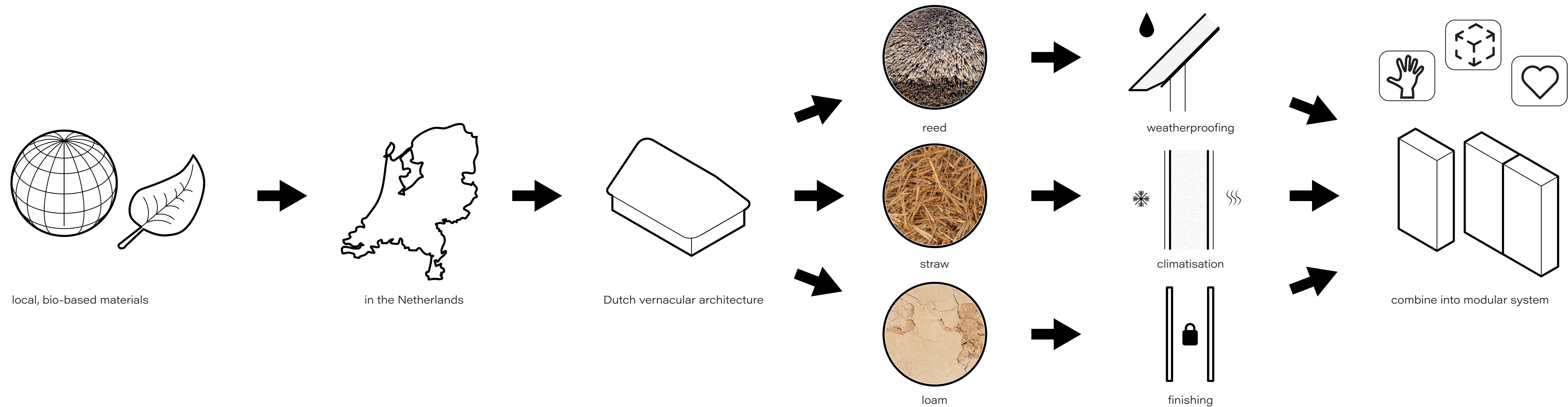
Performance Density
Bio-based materials perform at a less efficient rate than most industrial materials. More space is needed to acquire the same technical result.

Agency
Users of the material are expected to take responsibility of its upkeep, in order to consume with a clear conscience. A strong community fosters this.

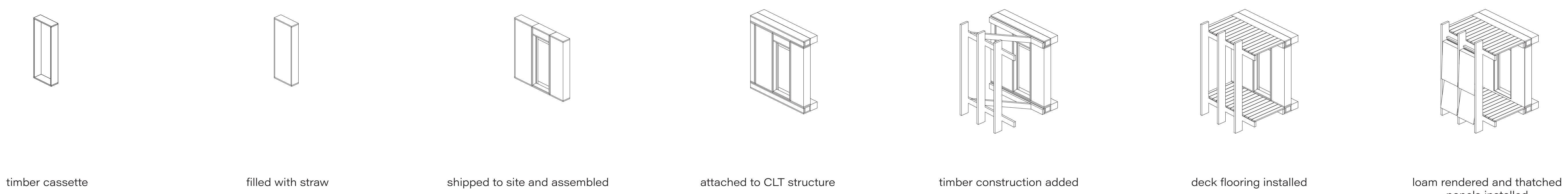
condition + goal = design theme



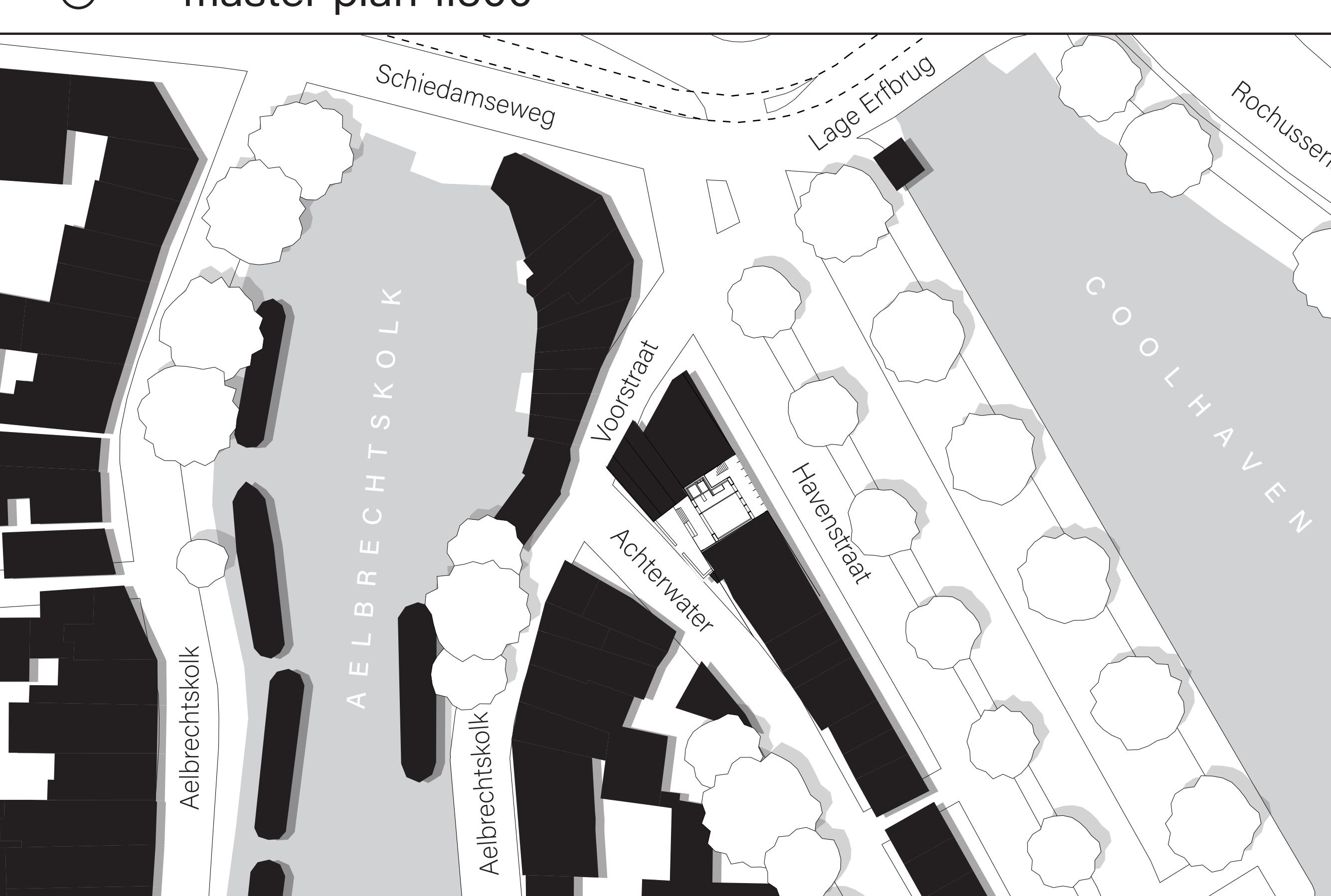
native materials to contemporary architecture



modular facade build-up

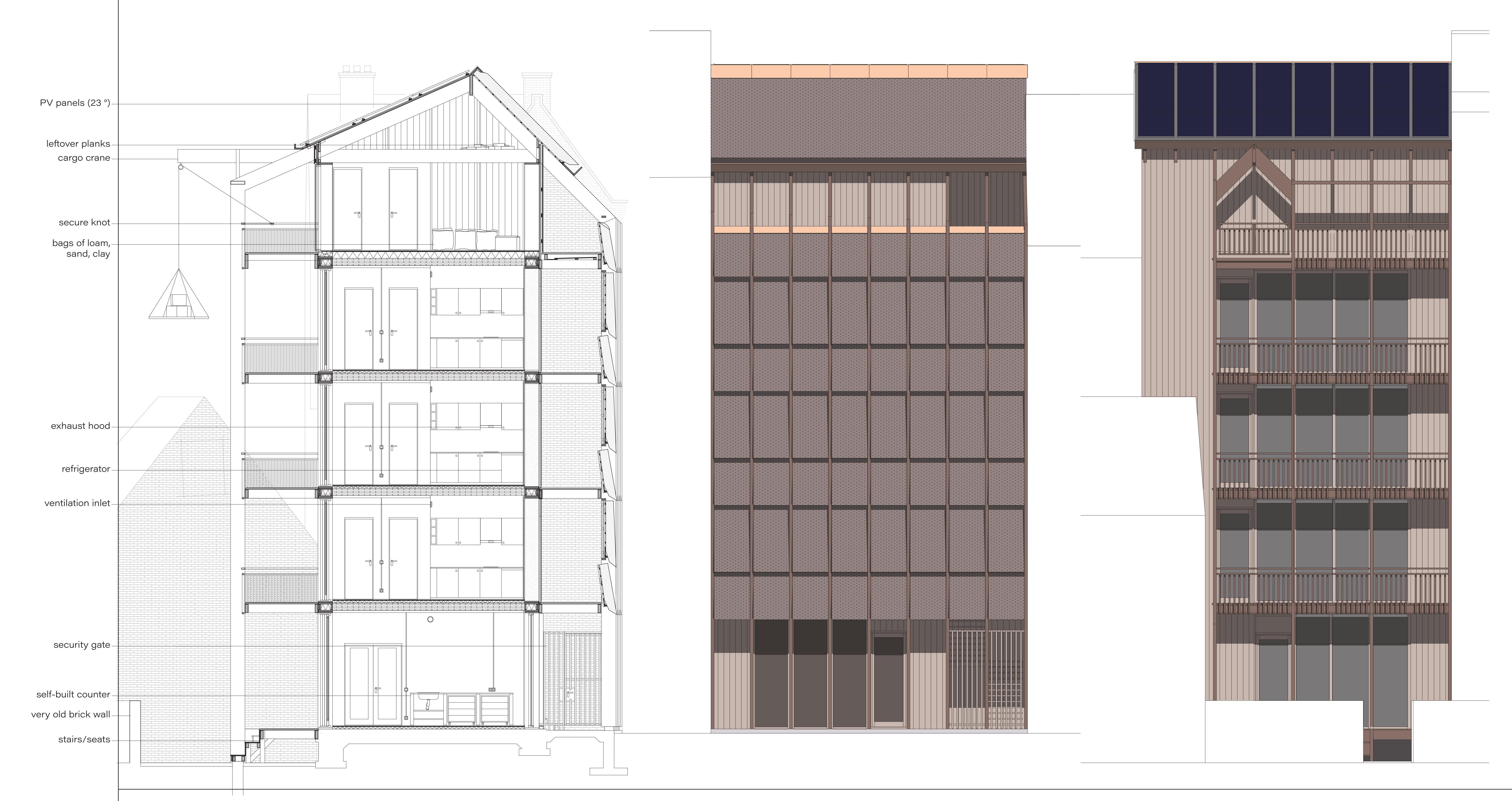


master plan 1:500



site 1:1000





section 1:50

northeast elevation 1:50

southwest elevation 1:50

