# In Control



Adaptability as a means to create more social and environmental sustainability

Graduation presentation Advanced Housing Design

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Tutors: Olv Klijn, Anne Kockelkorn, Ferry Adema

Research findings

Urban Masterplan

The Current building

Design
Suport
Infill

### Research Findings

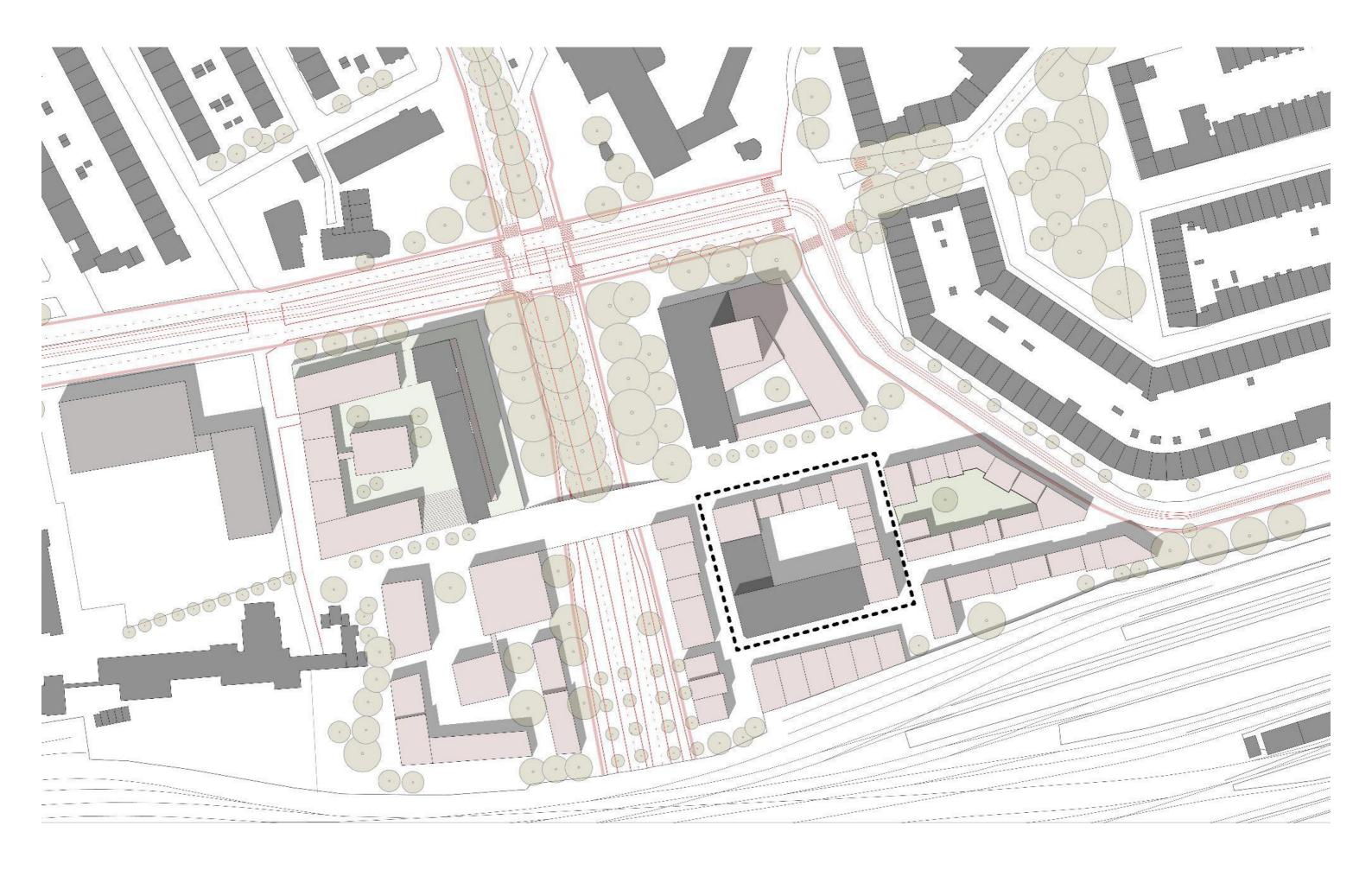
User-inclusion gives power over their dwellings to the users Solution is Adaptability Adaptability gives control over the individual functionality of the dwellings

Tenure type = Coorperative

Users are part-owners of the building

Giving users the power to adapt their dwelling

## **Urban Masterplan**





### The Current Building





Photographs from 1979. (Stadsarchief Rotterdam)



Walk around the current situation. (Google streetview)

## The Design: Support & Infill



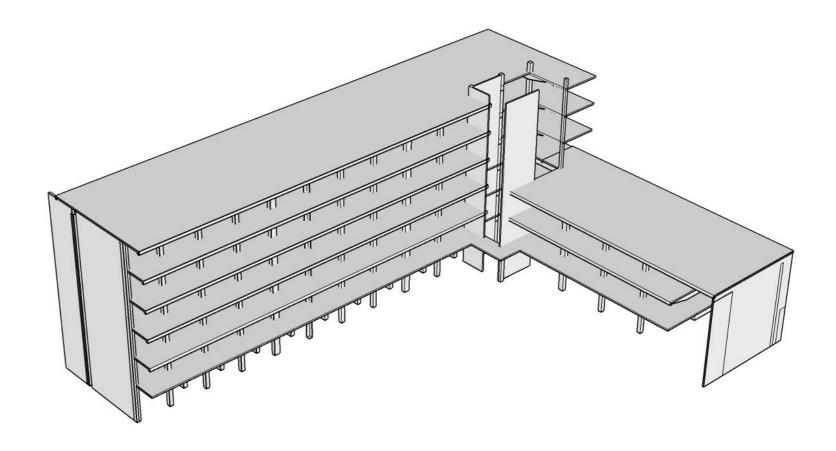
Support & Infill

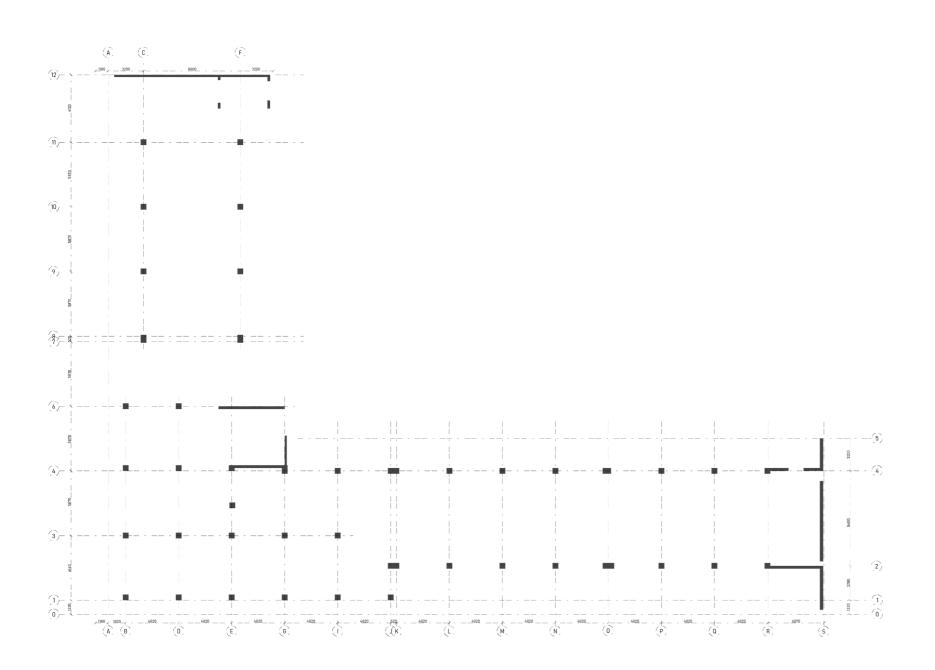
Support=system that enables the adaptability

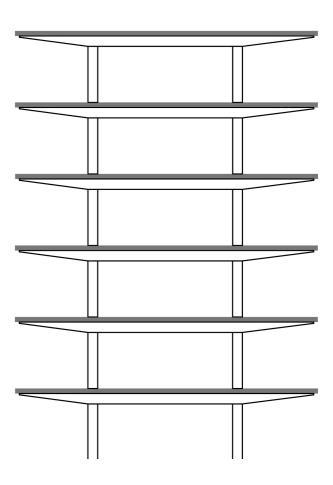
Infil=adaptable design solutions

#### 3 Support Systems

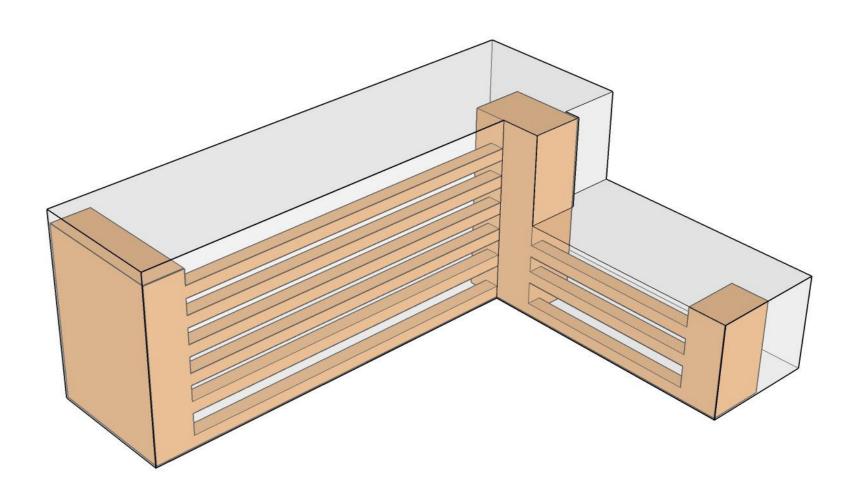
## Loadbearing Structure

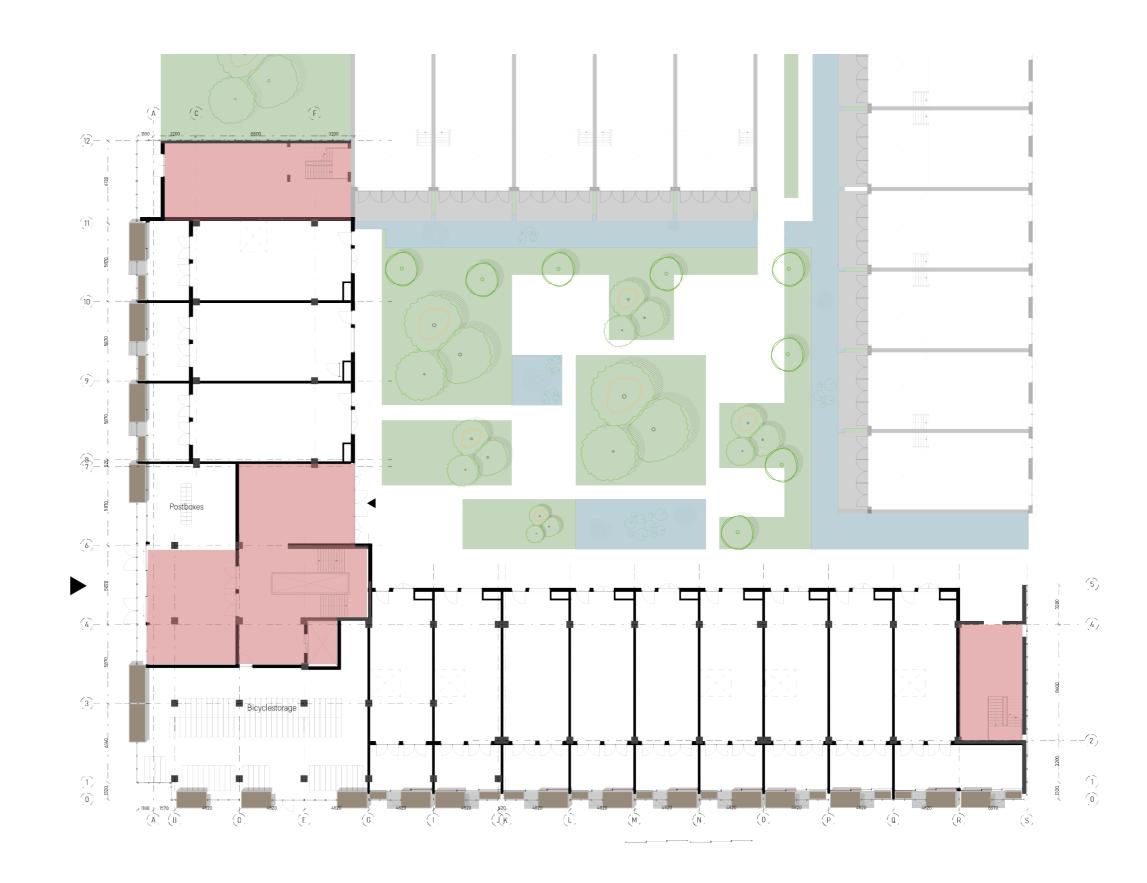


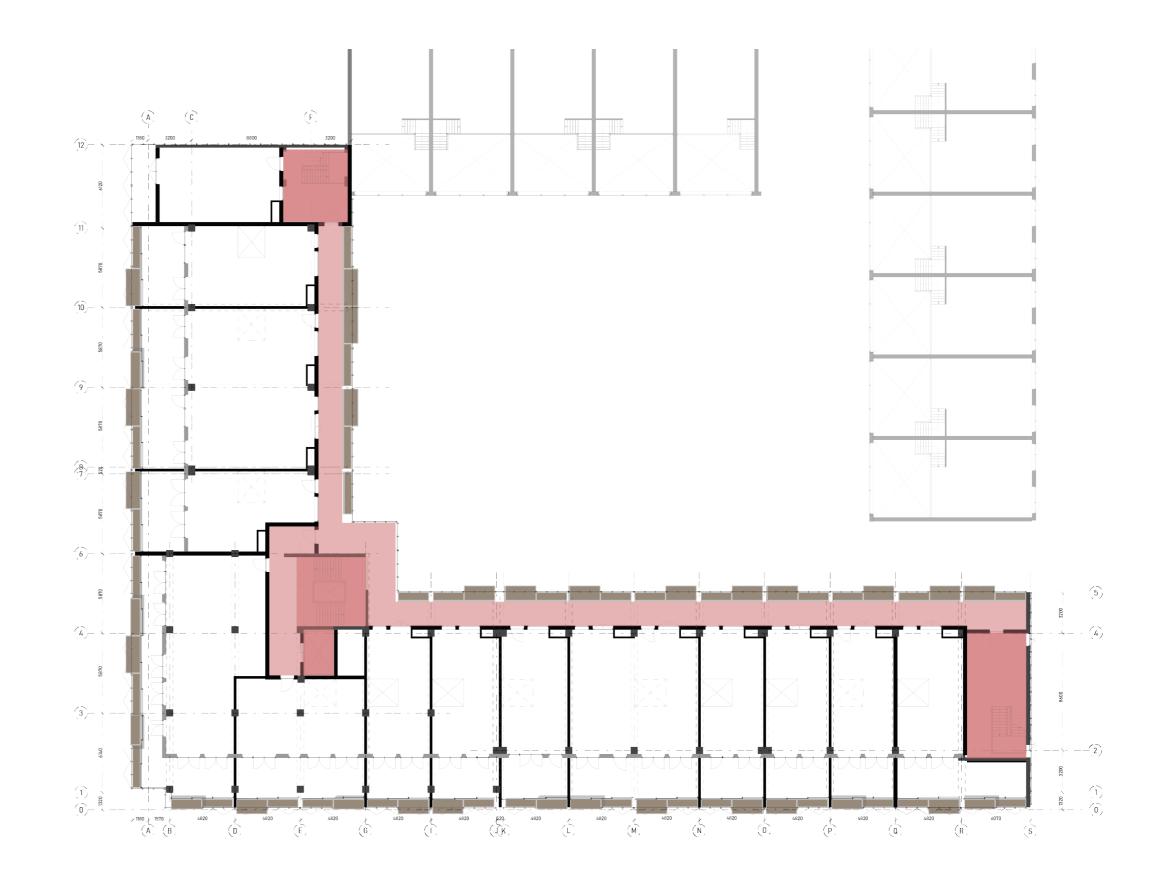




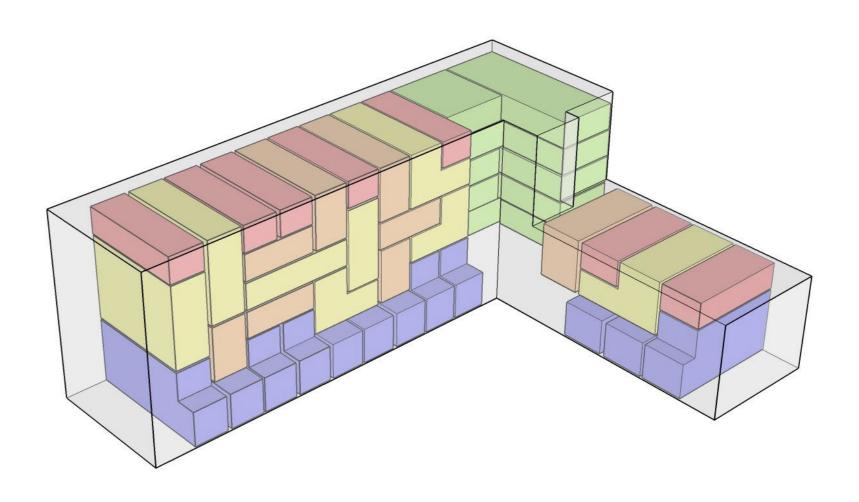
#### Circulation



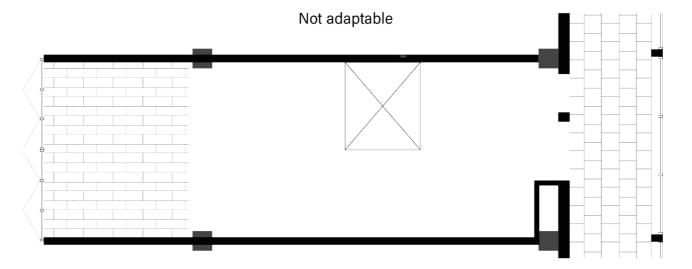


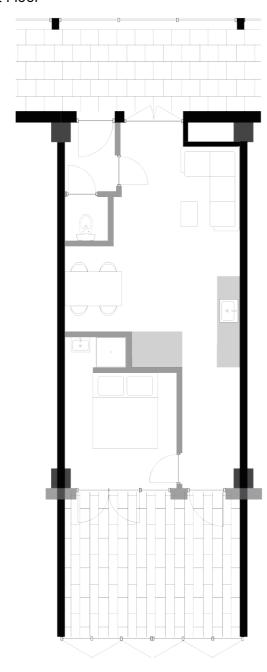


# Dwelling placement

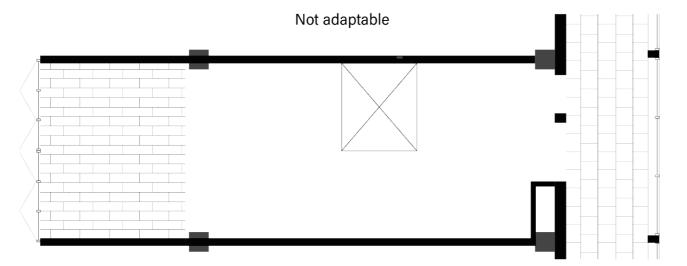


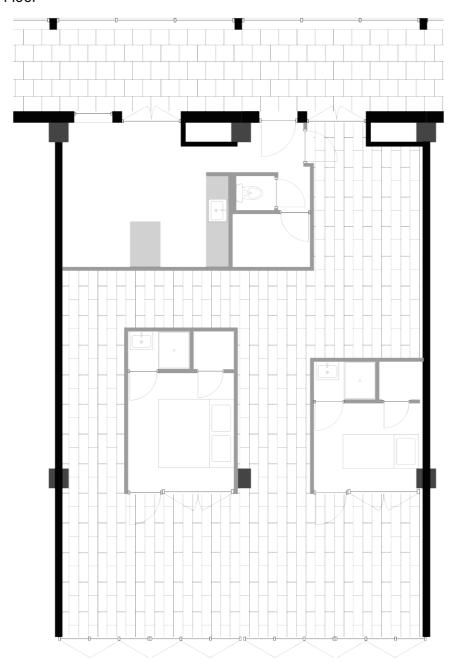
Type A: 43 m2



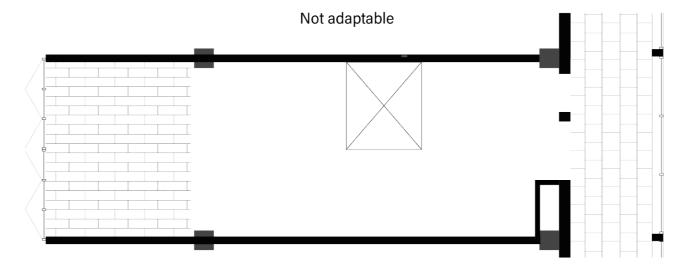


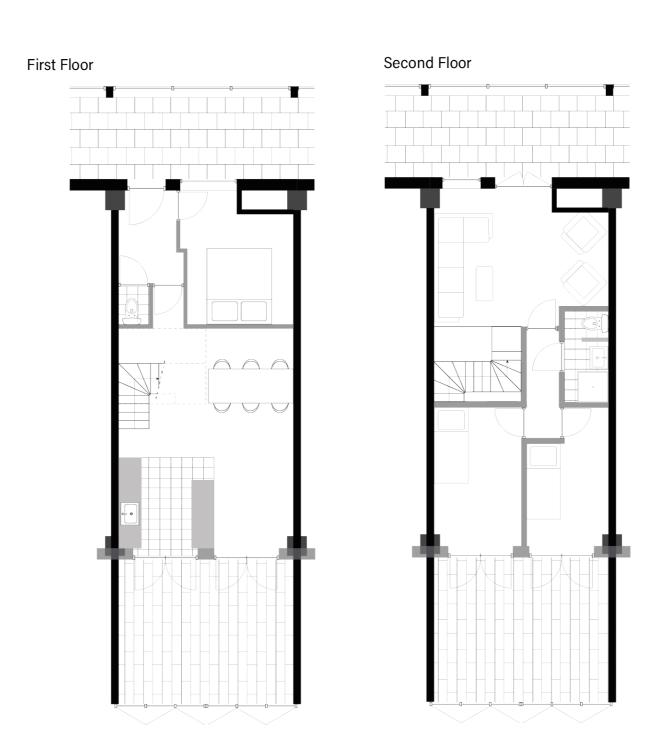
Type B1: 87 m2 BVO



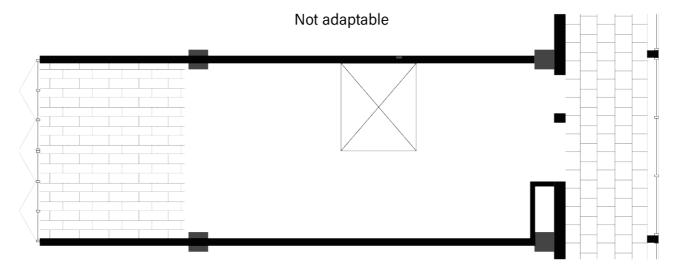


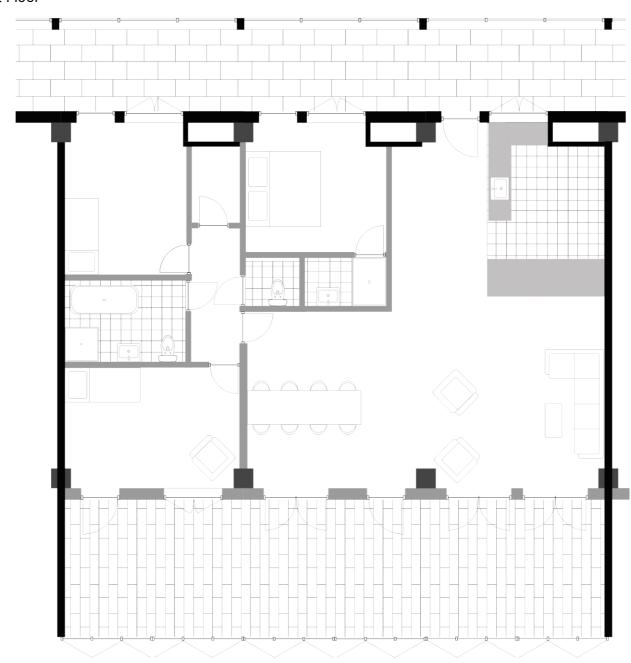
Type B2: 87 m2 BVO



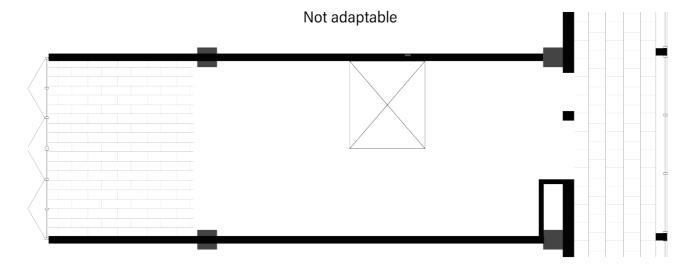


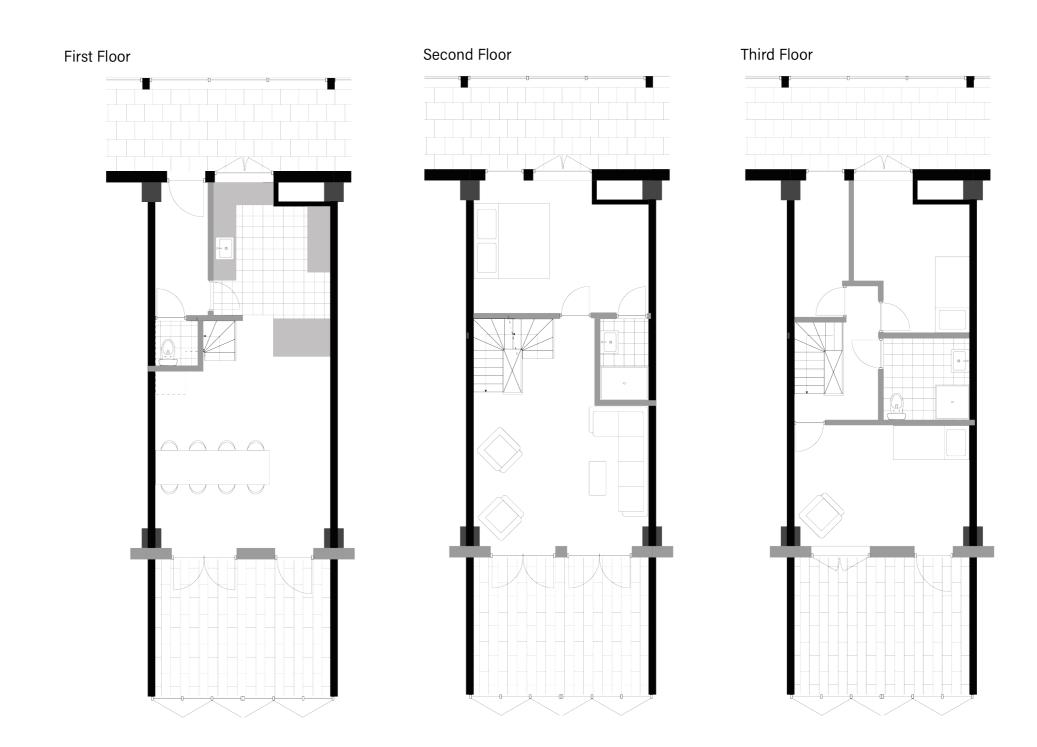
Type C1: 130 m2 BVO



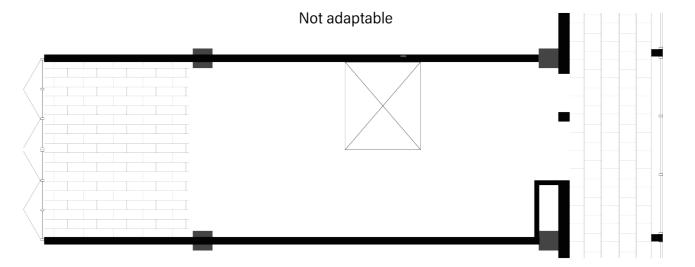


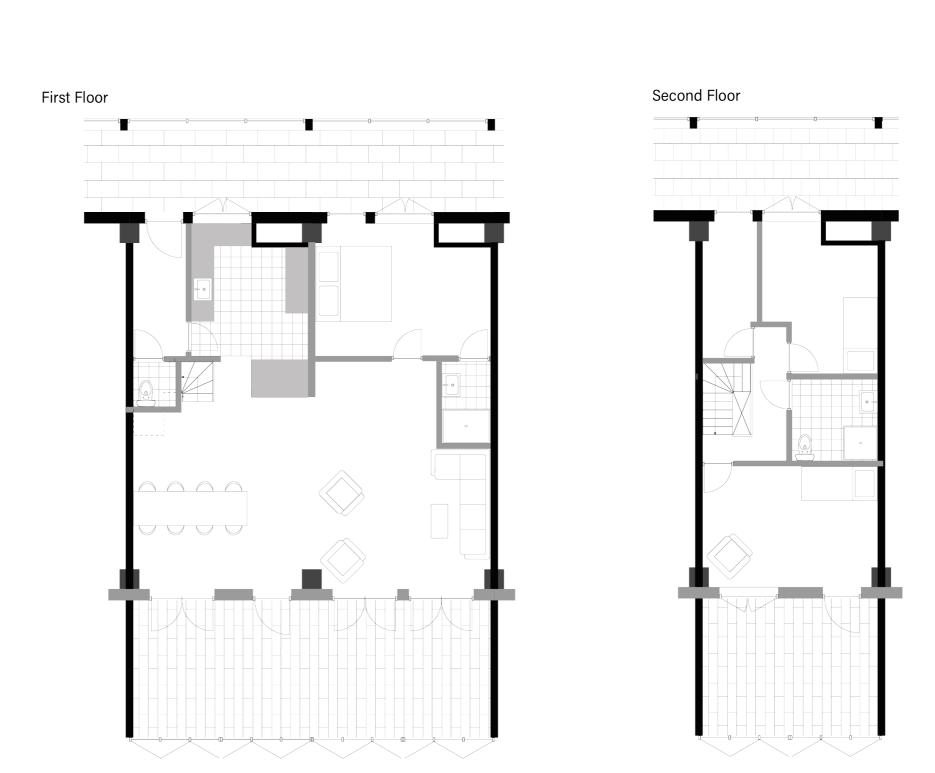
Type C2: 130 m2 BVO

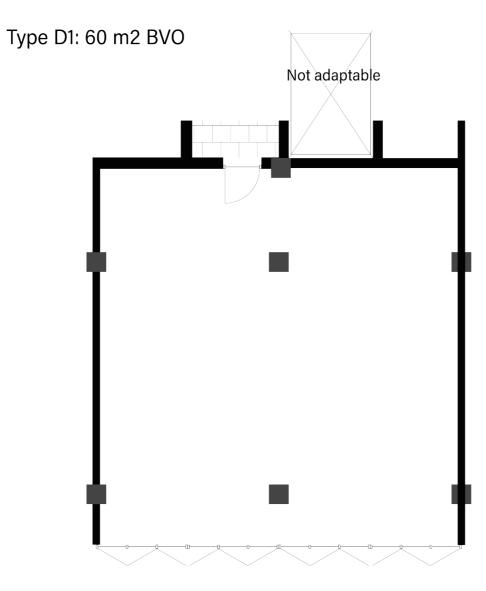




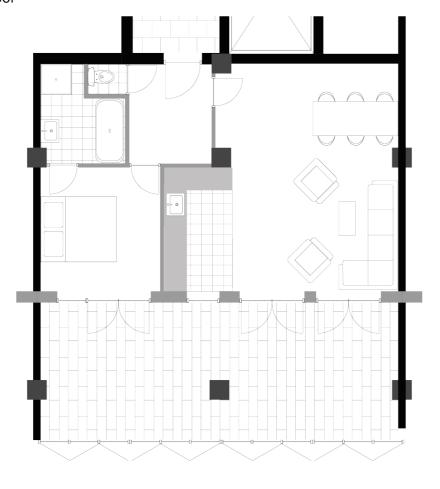
Type C3: 130 m2 BVO



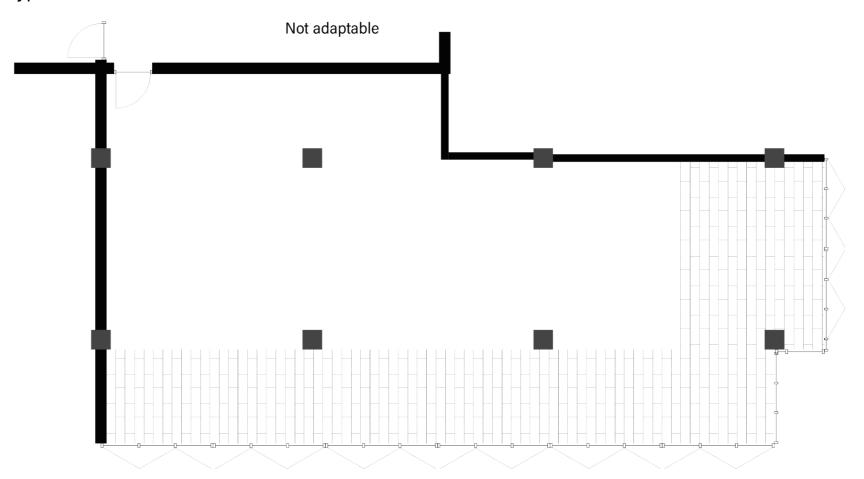


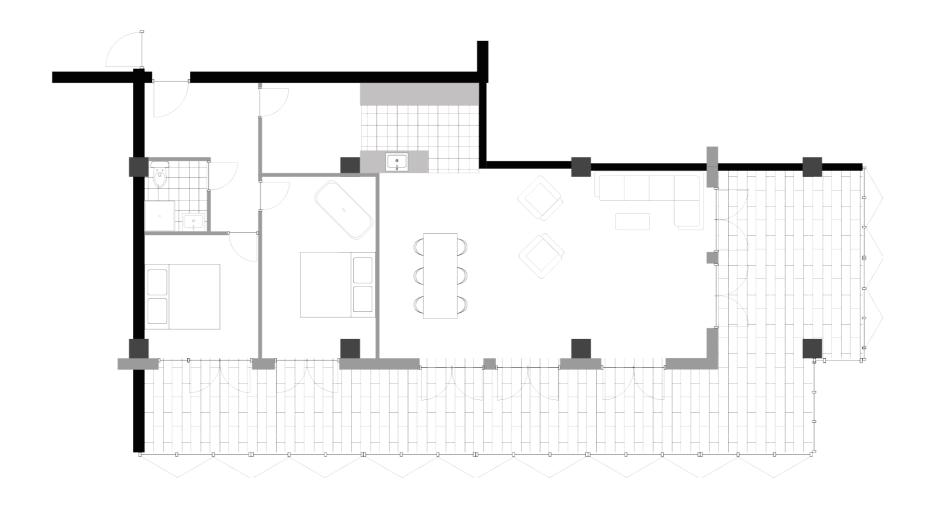


First Floor

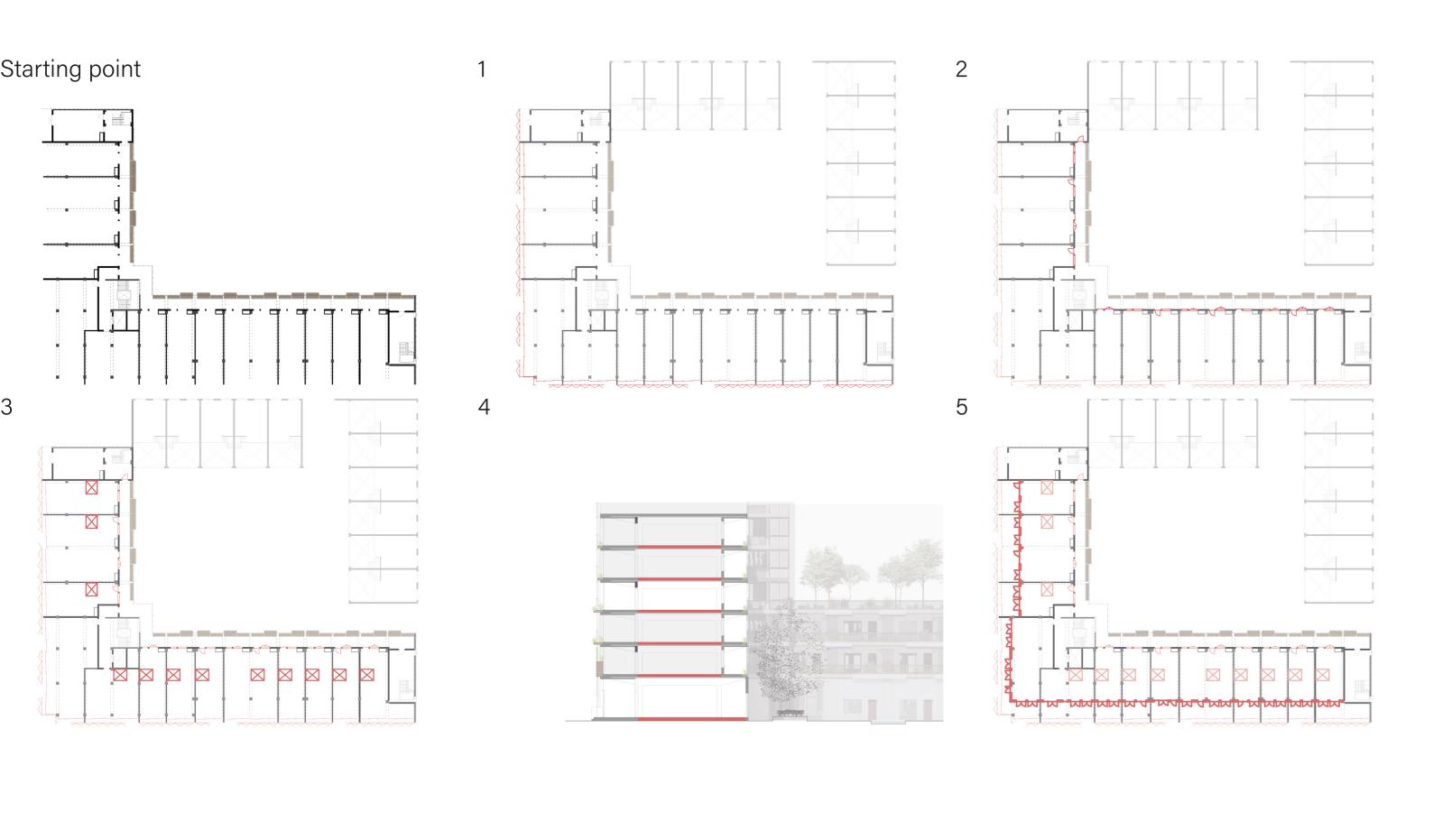


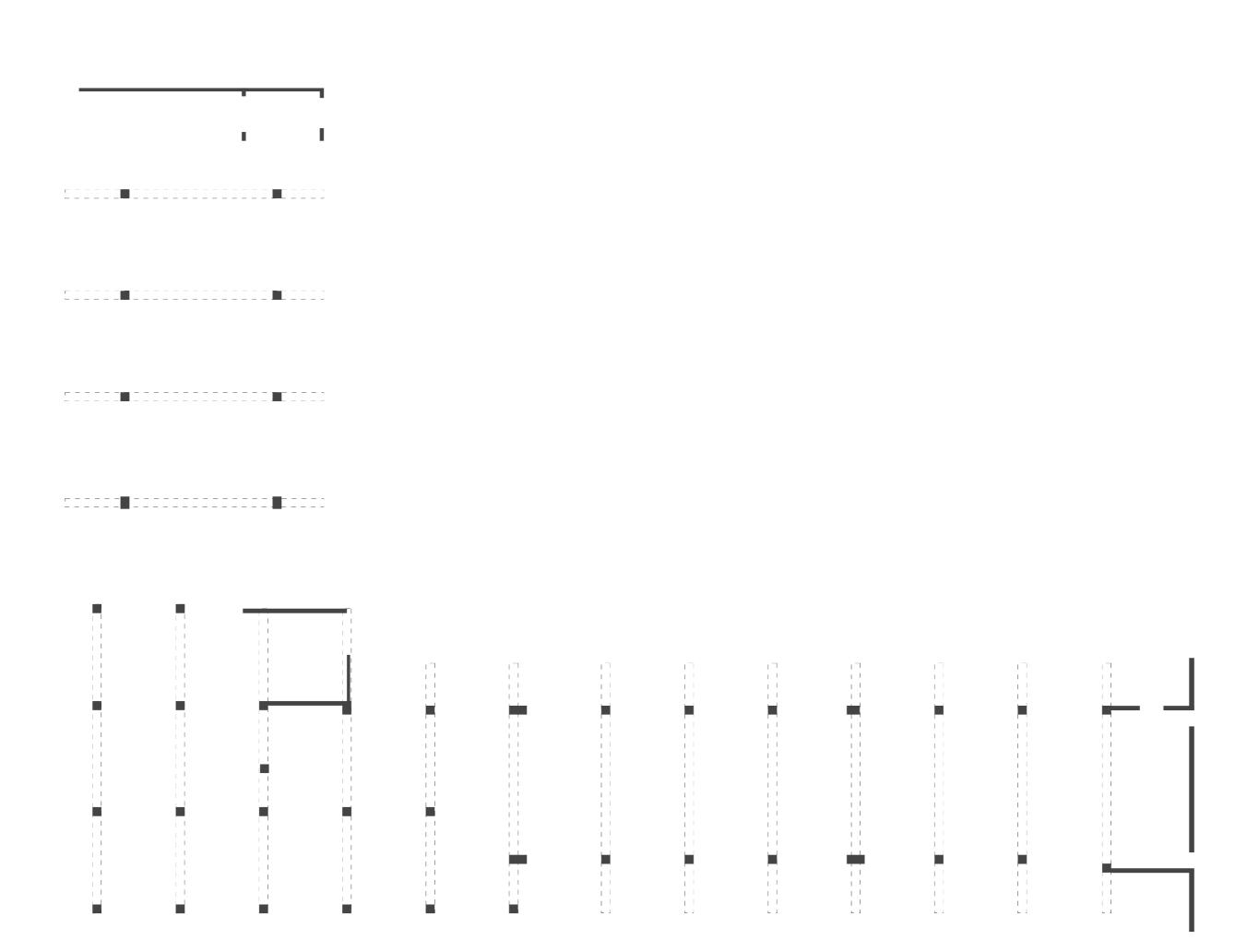
Type E1: 98 m2 BVO

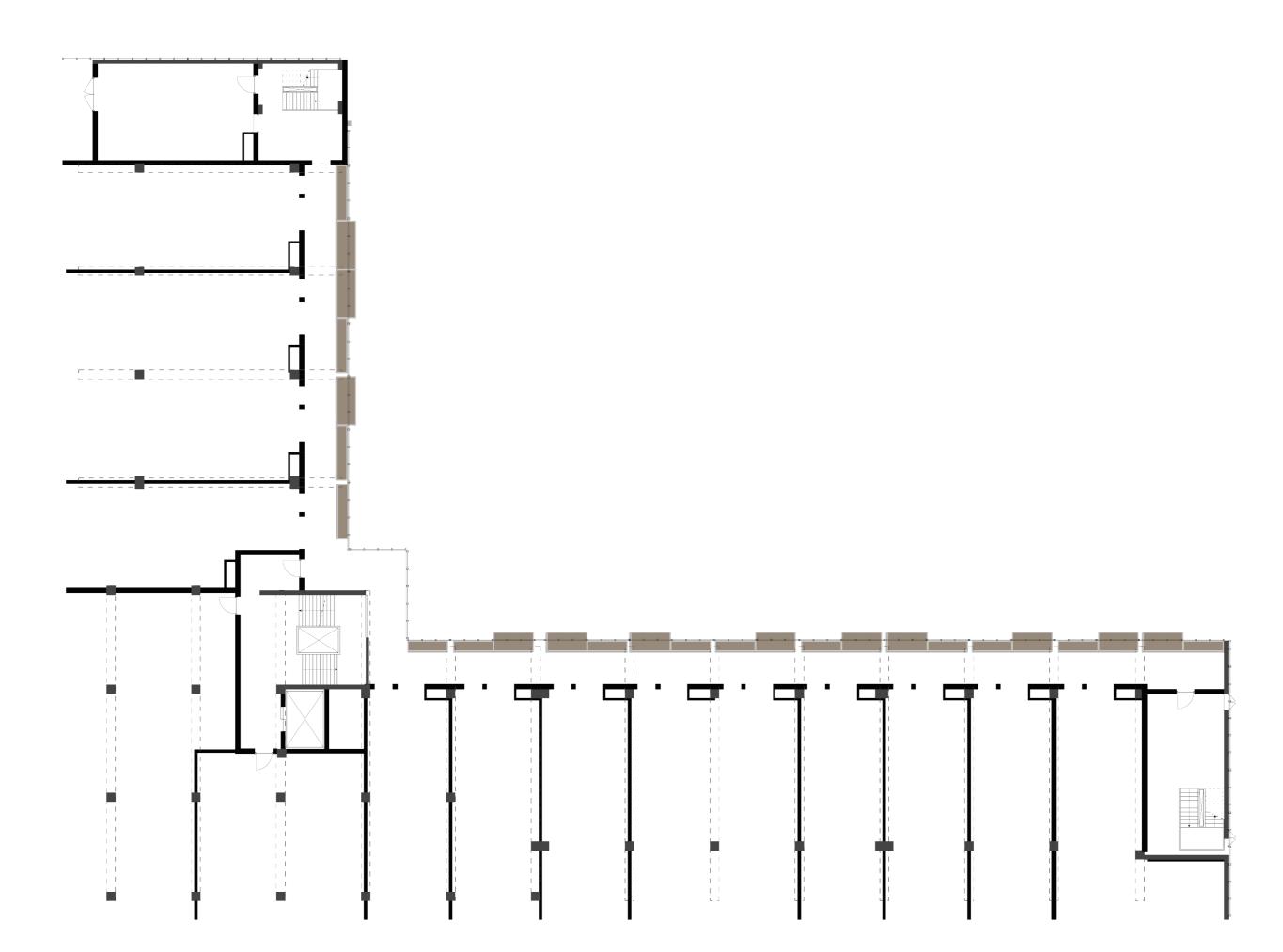


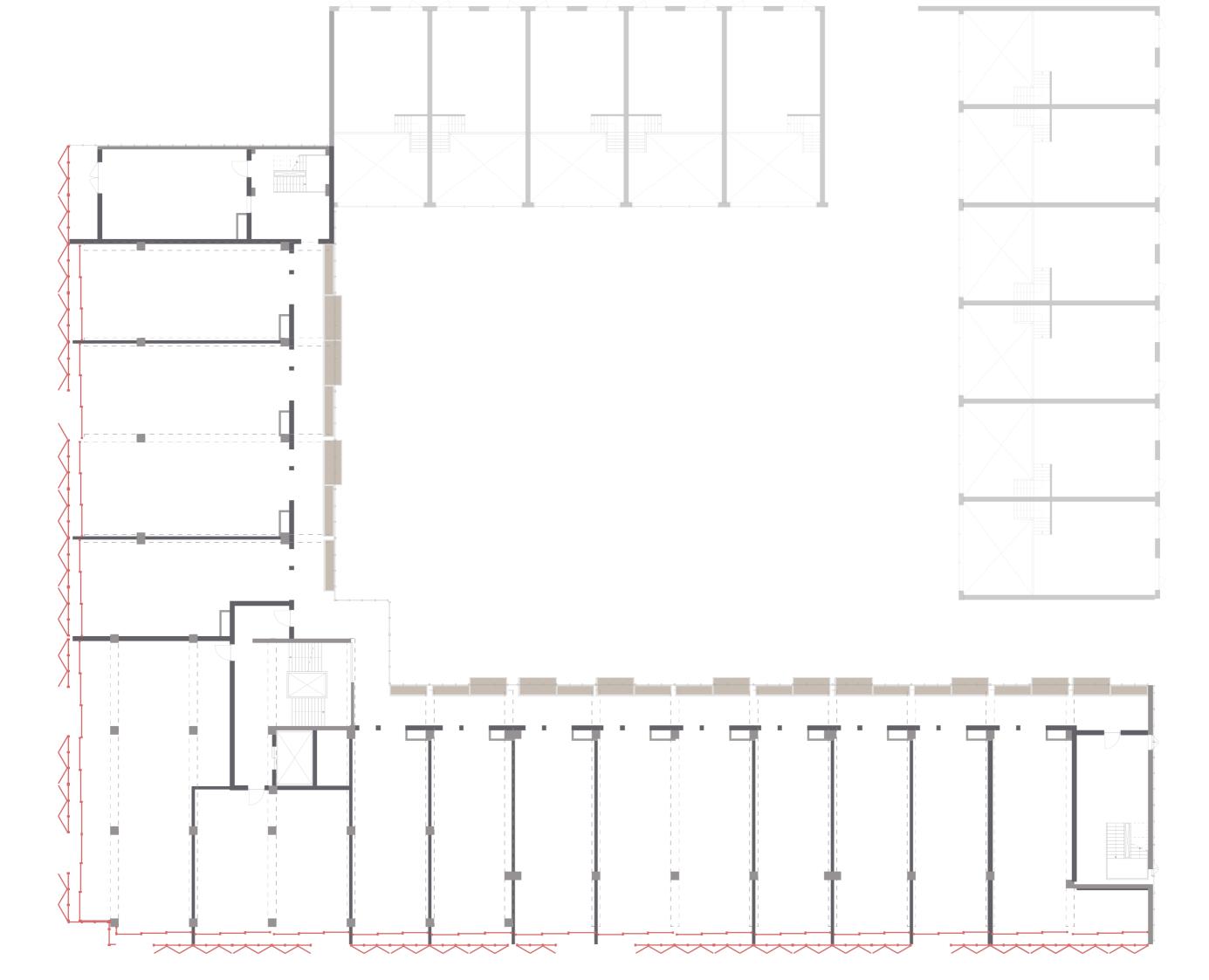


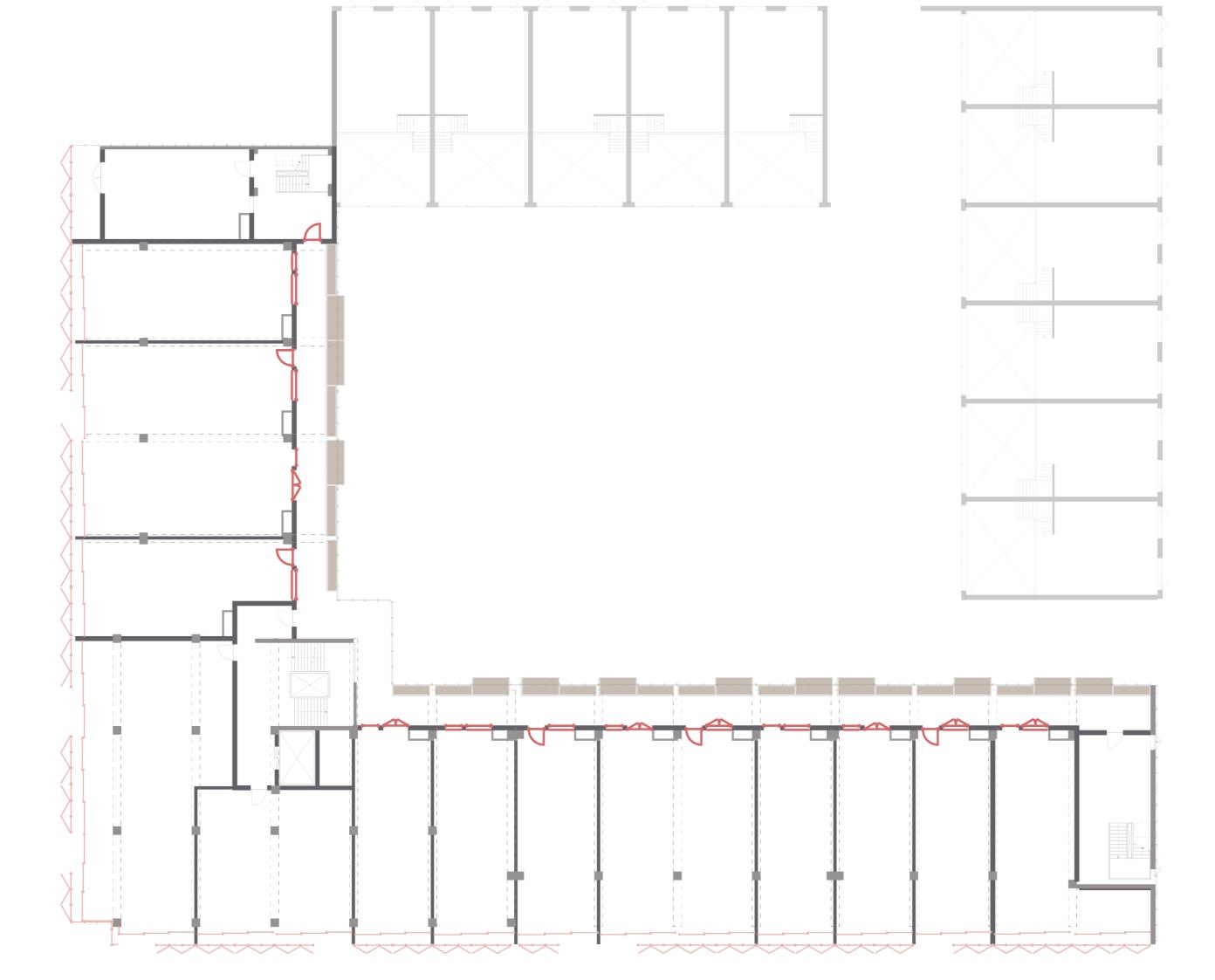
### **Adaptable Design Solutions**

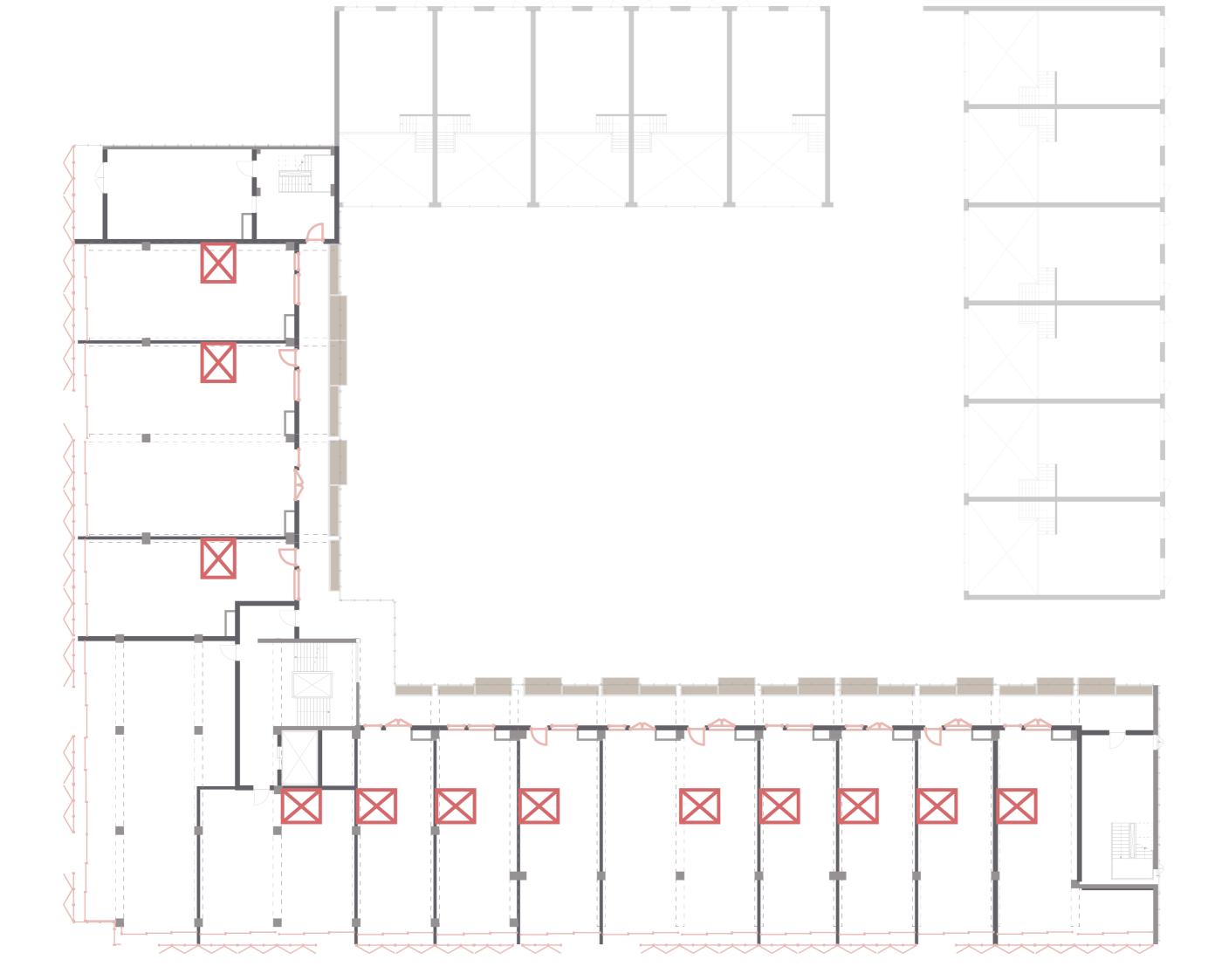


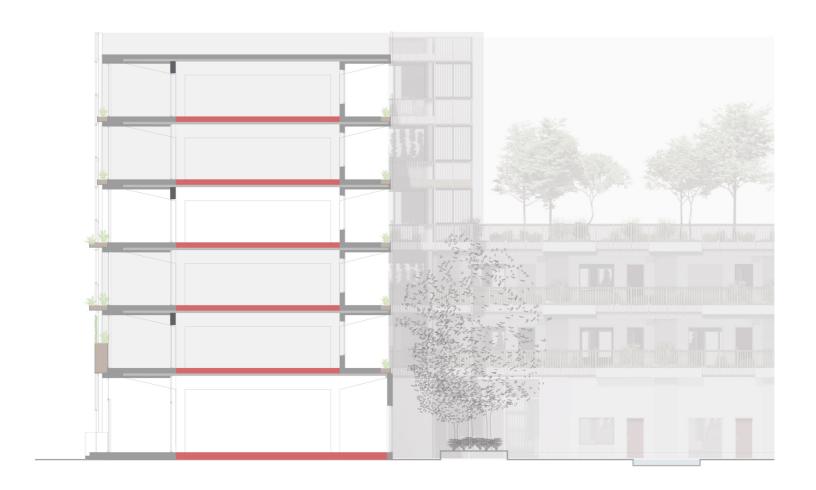


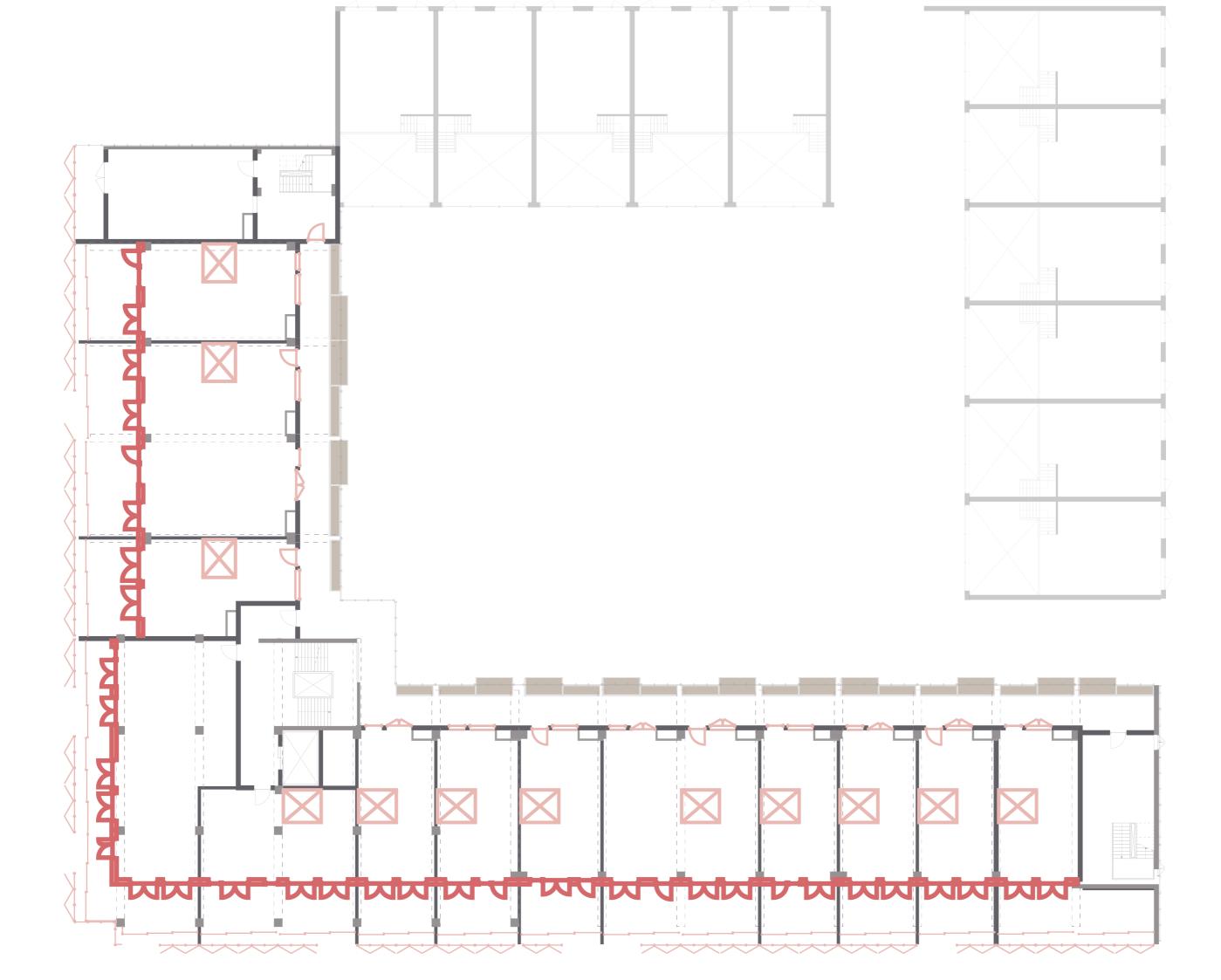




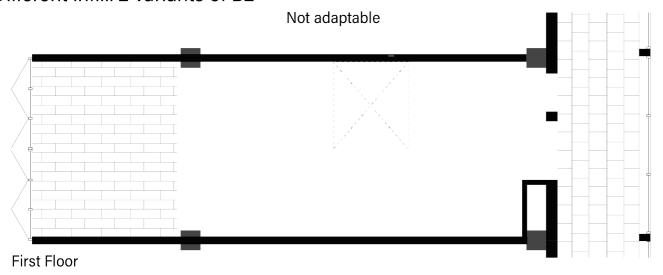


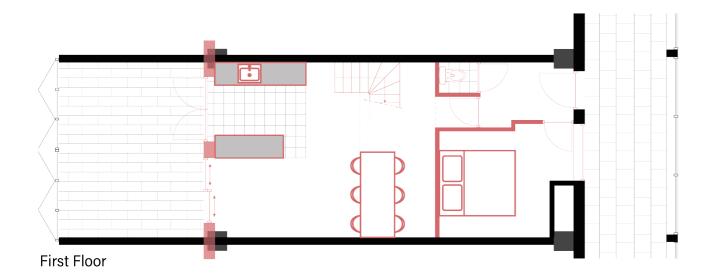


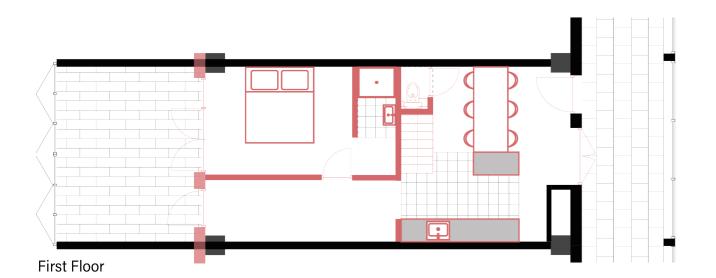


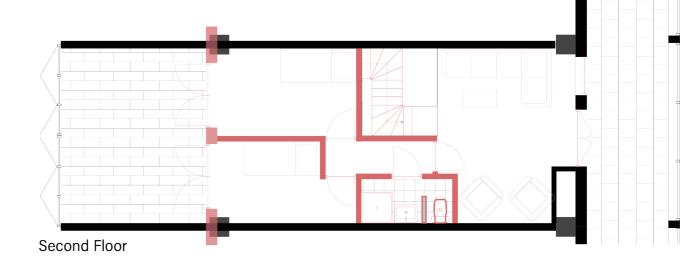


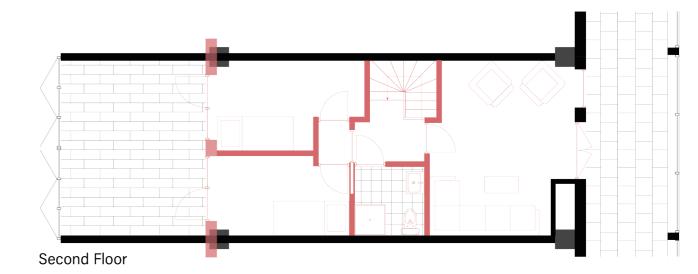
#### Different infill. 2 variants of B2





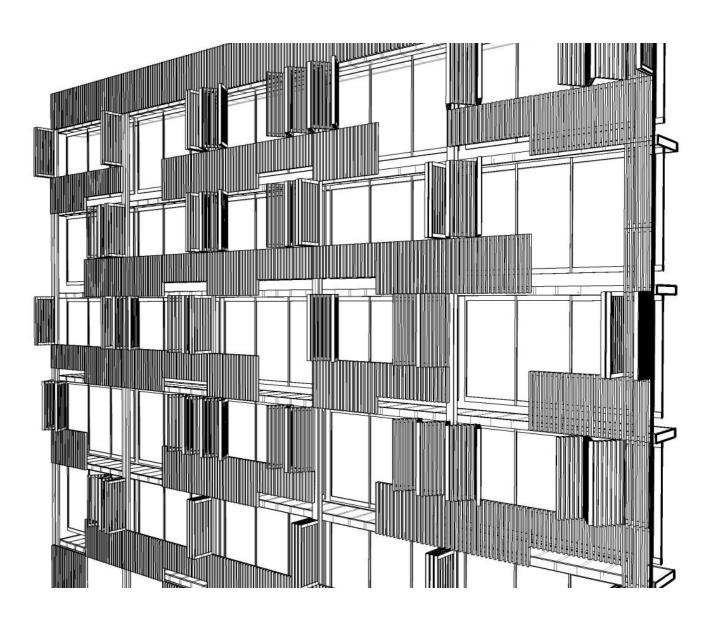


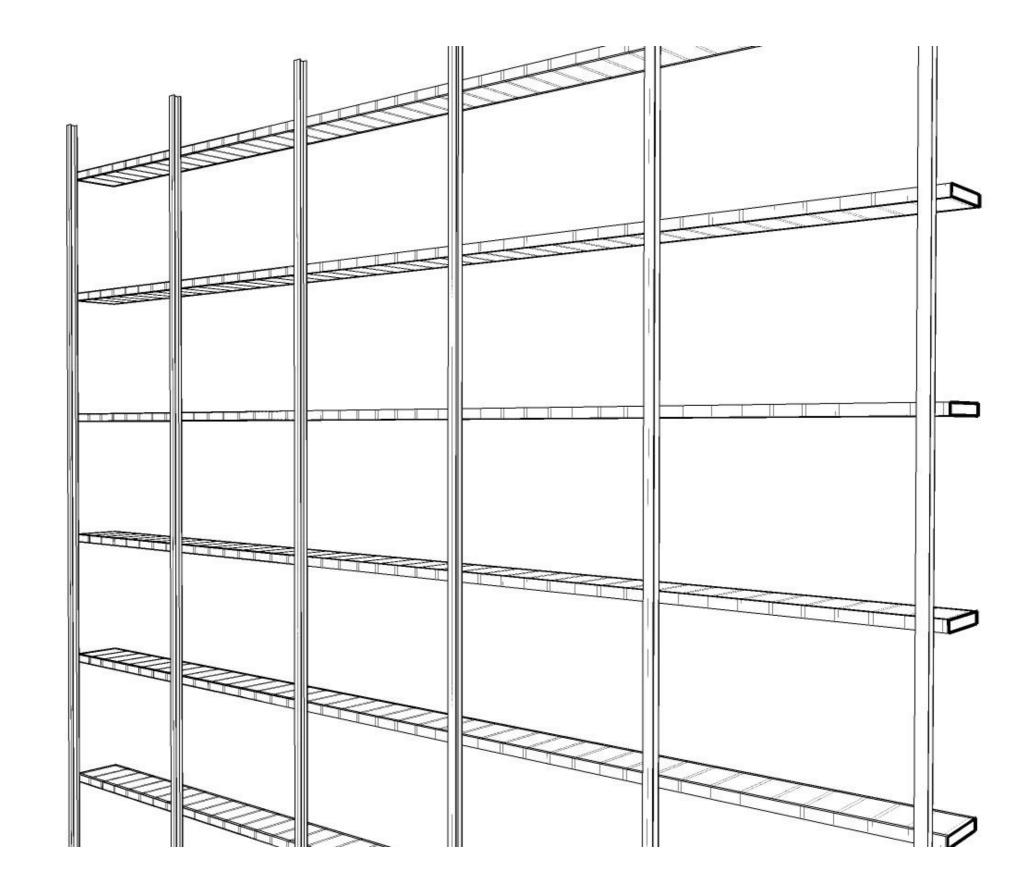


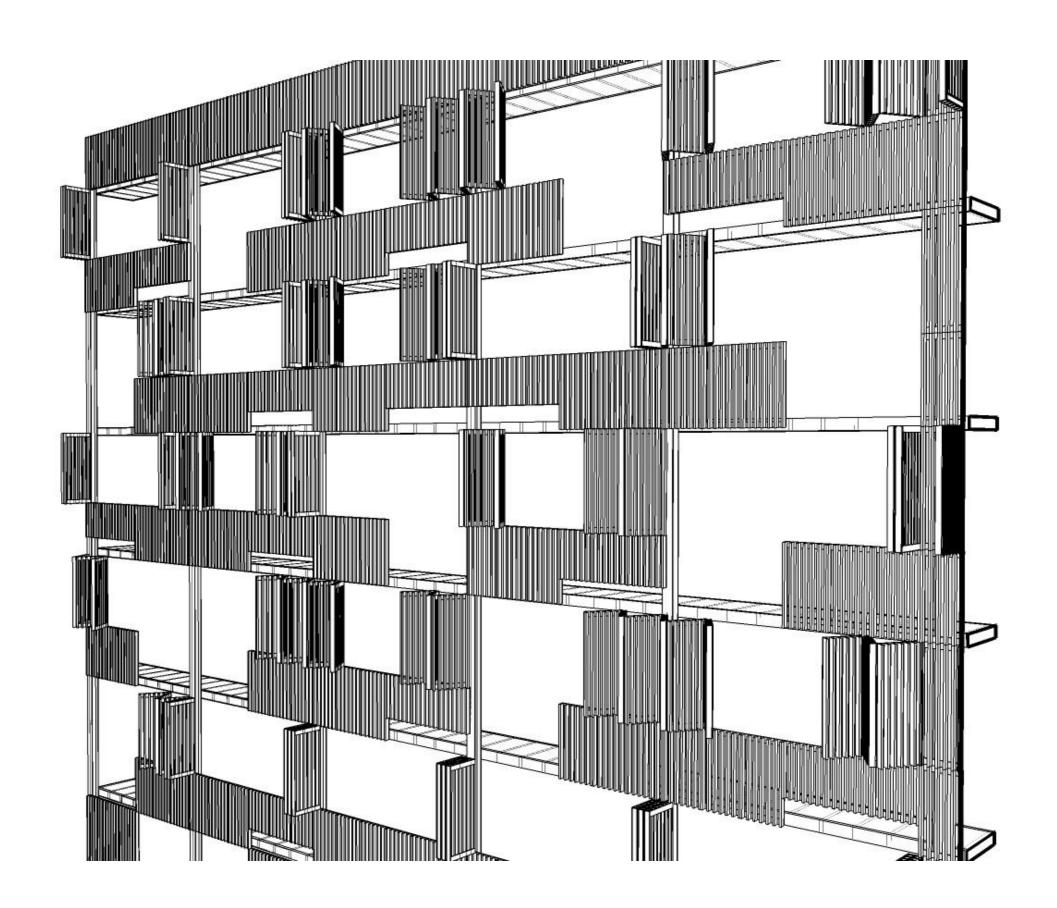


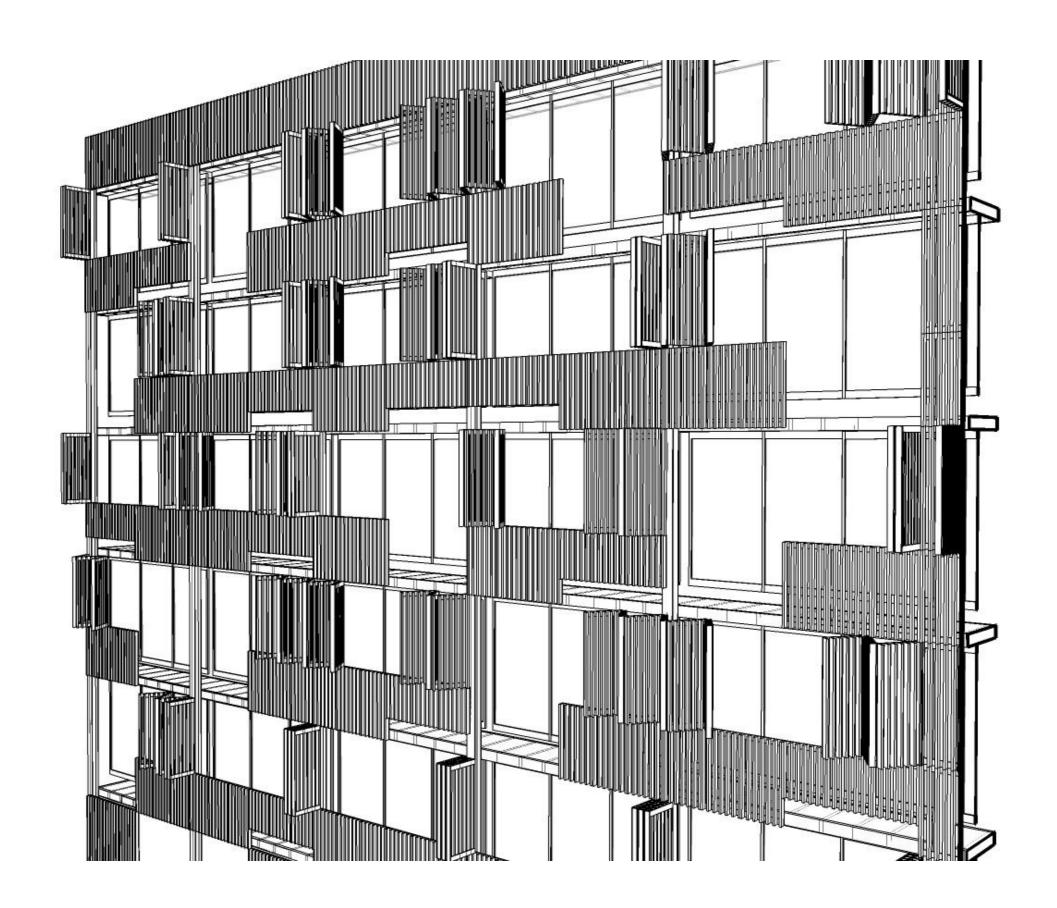
Adaptable variant 2

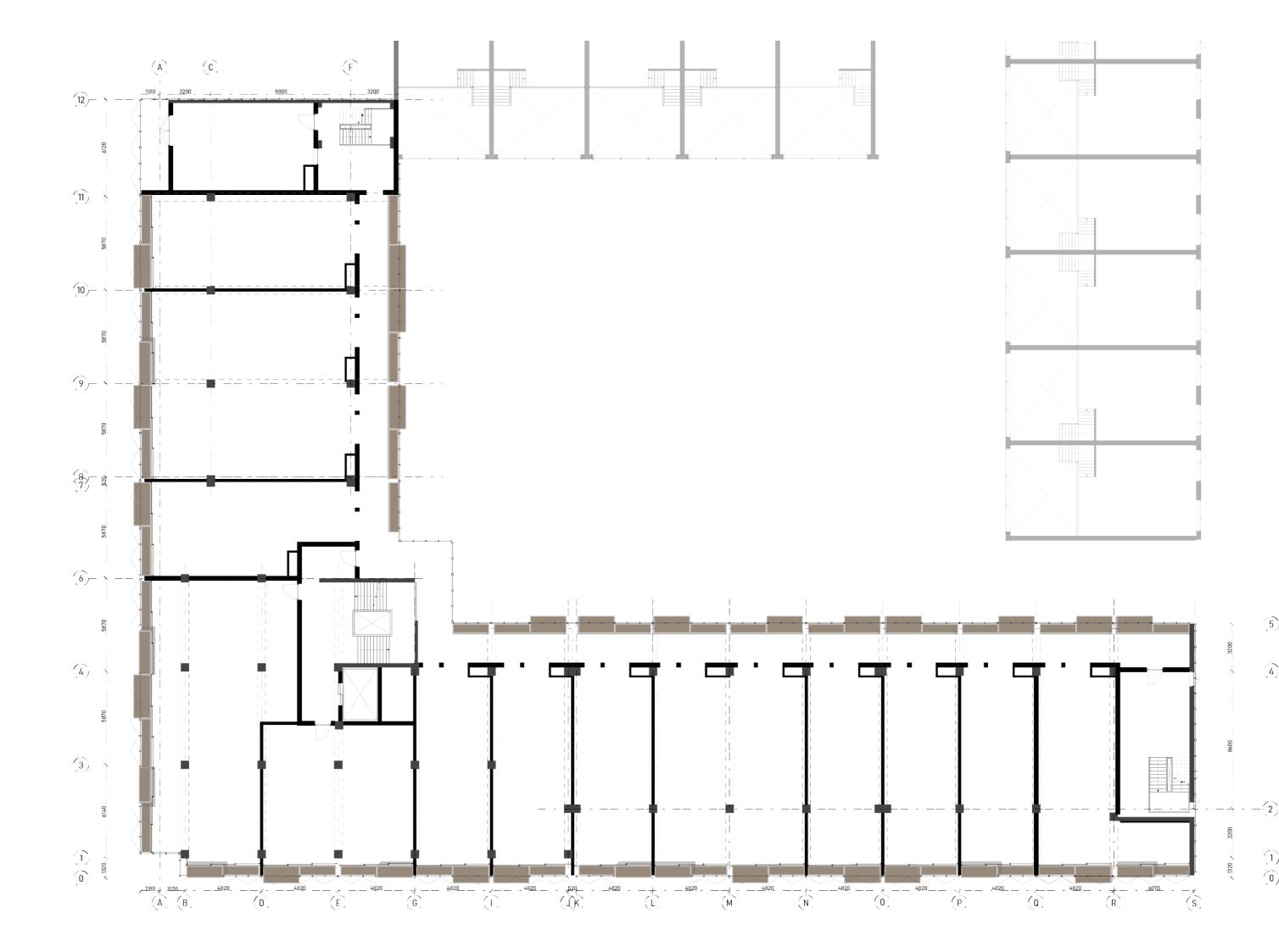
### Harmonica facade

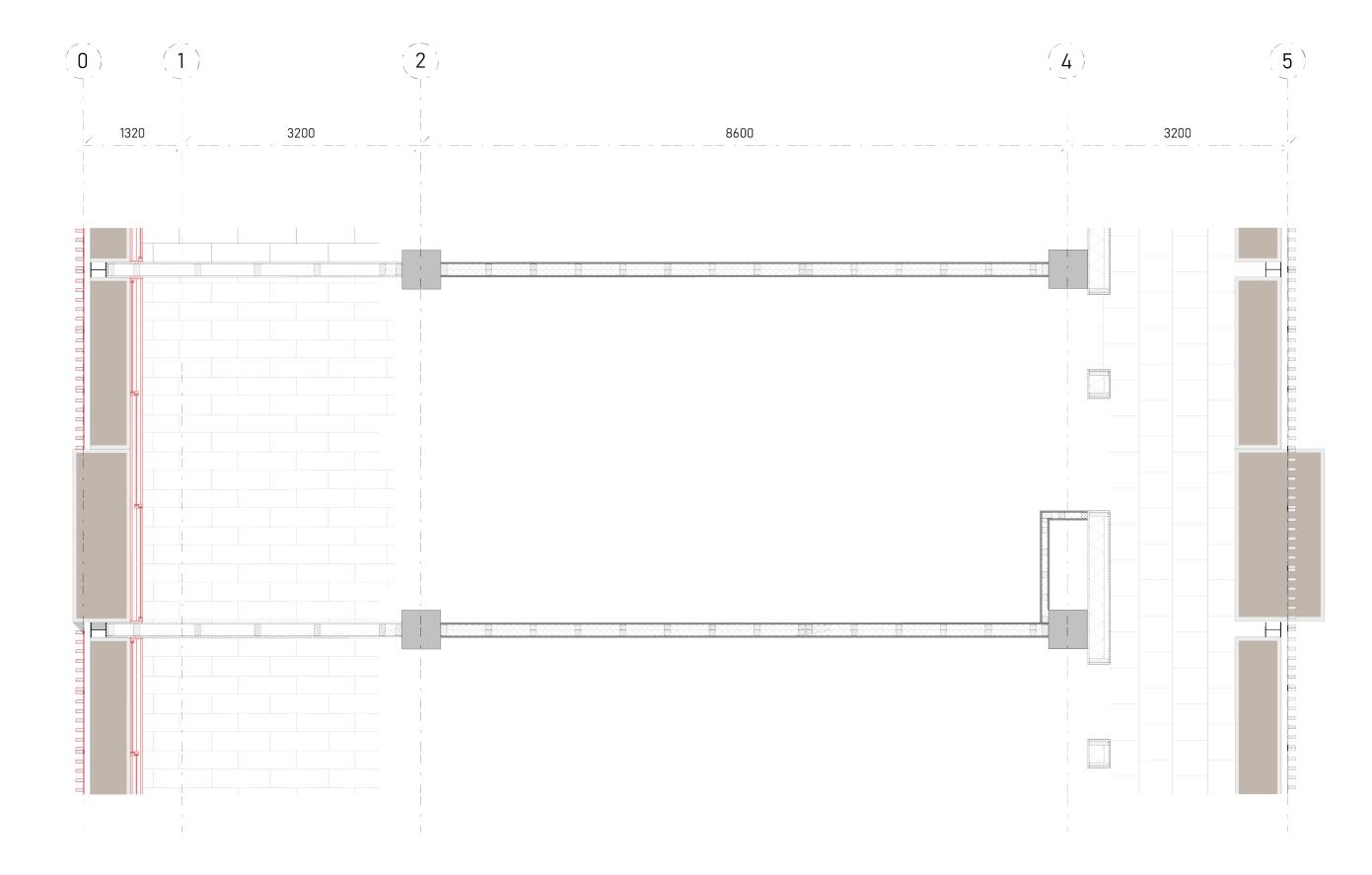


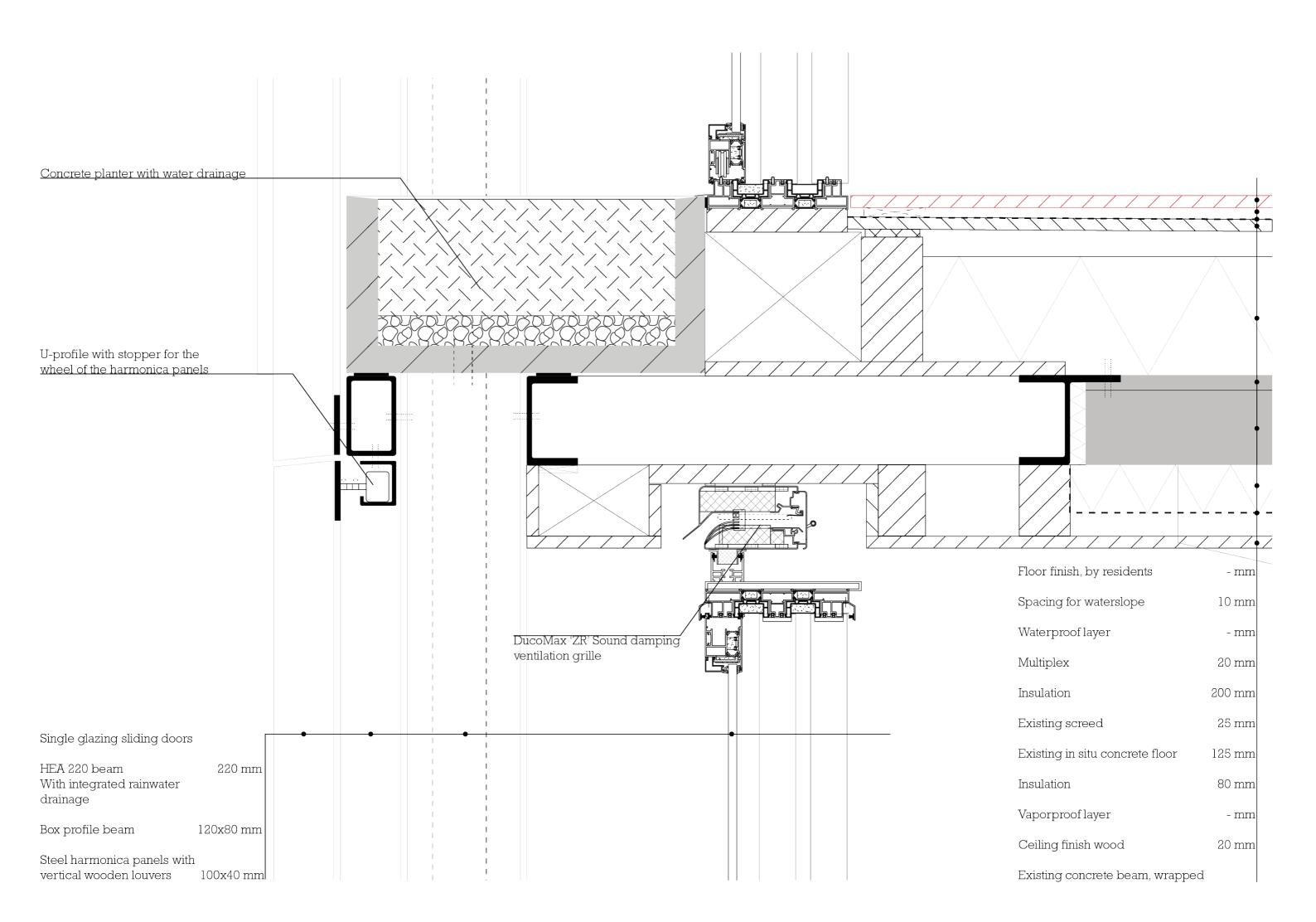






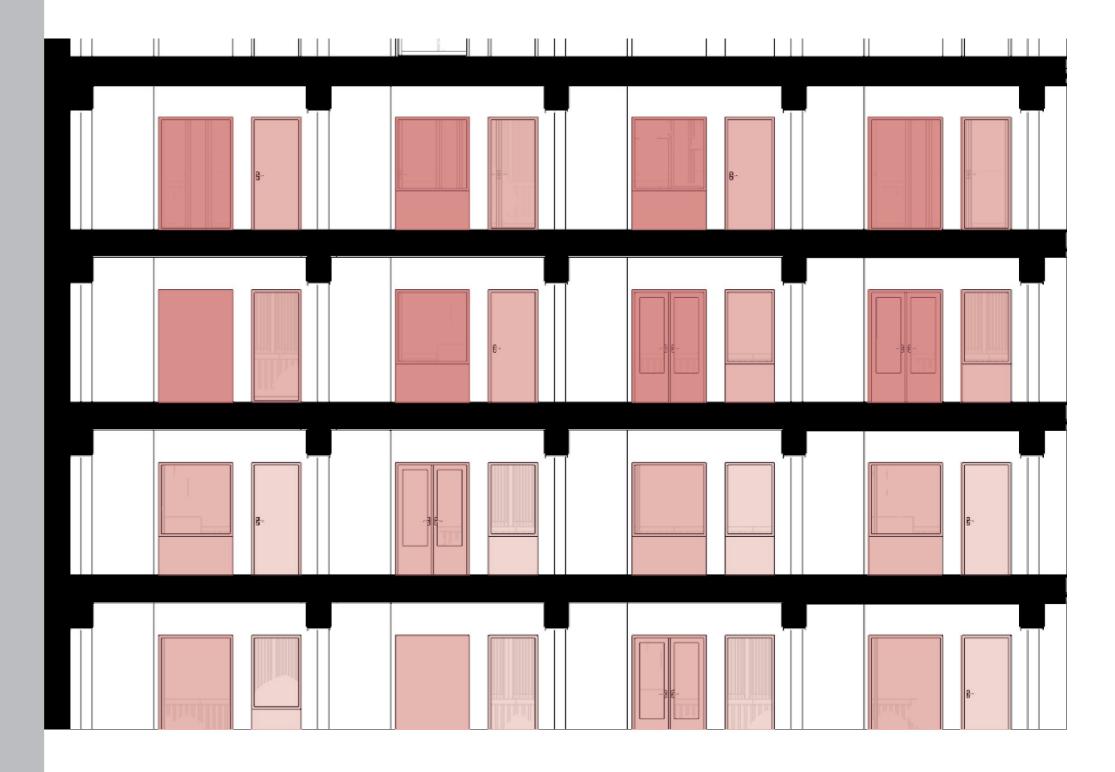


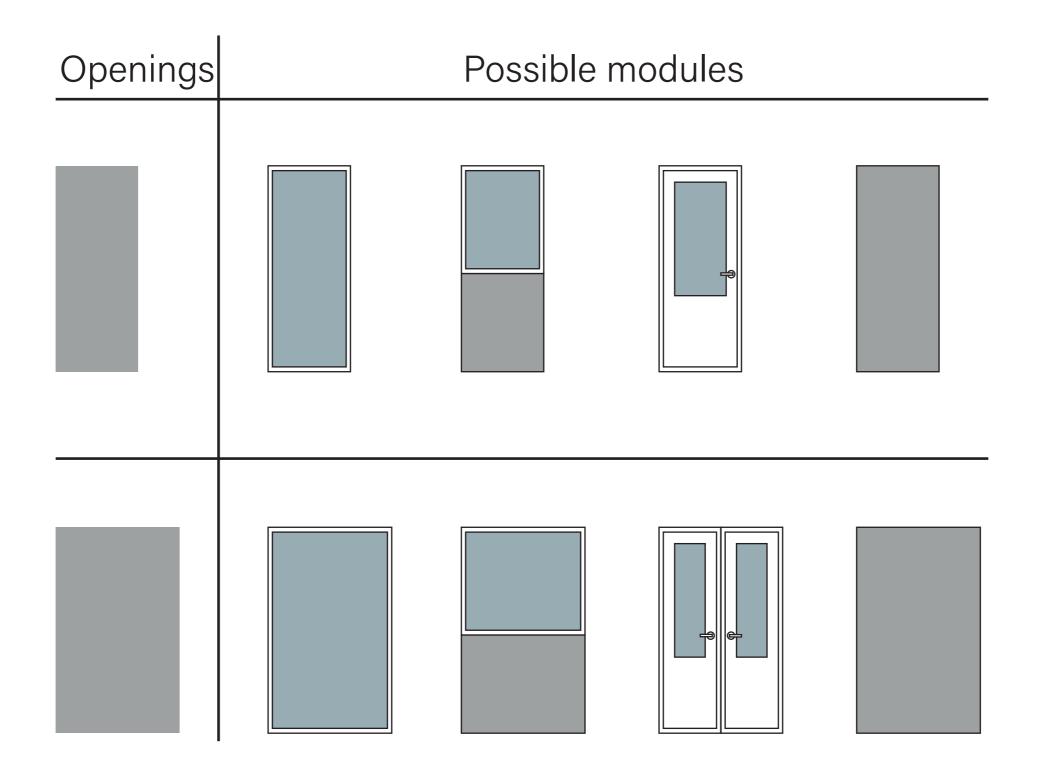




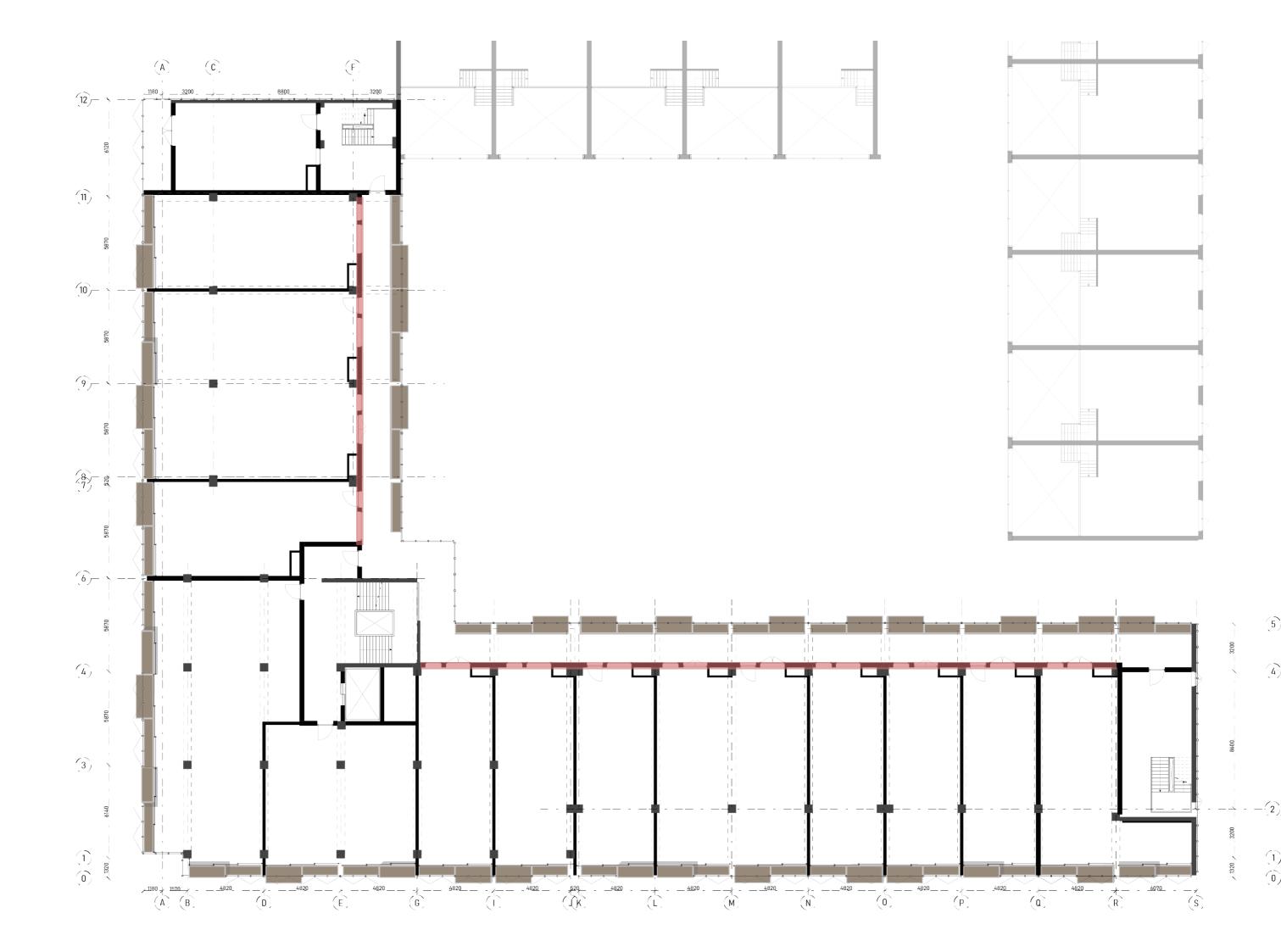


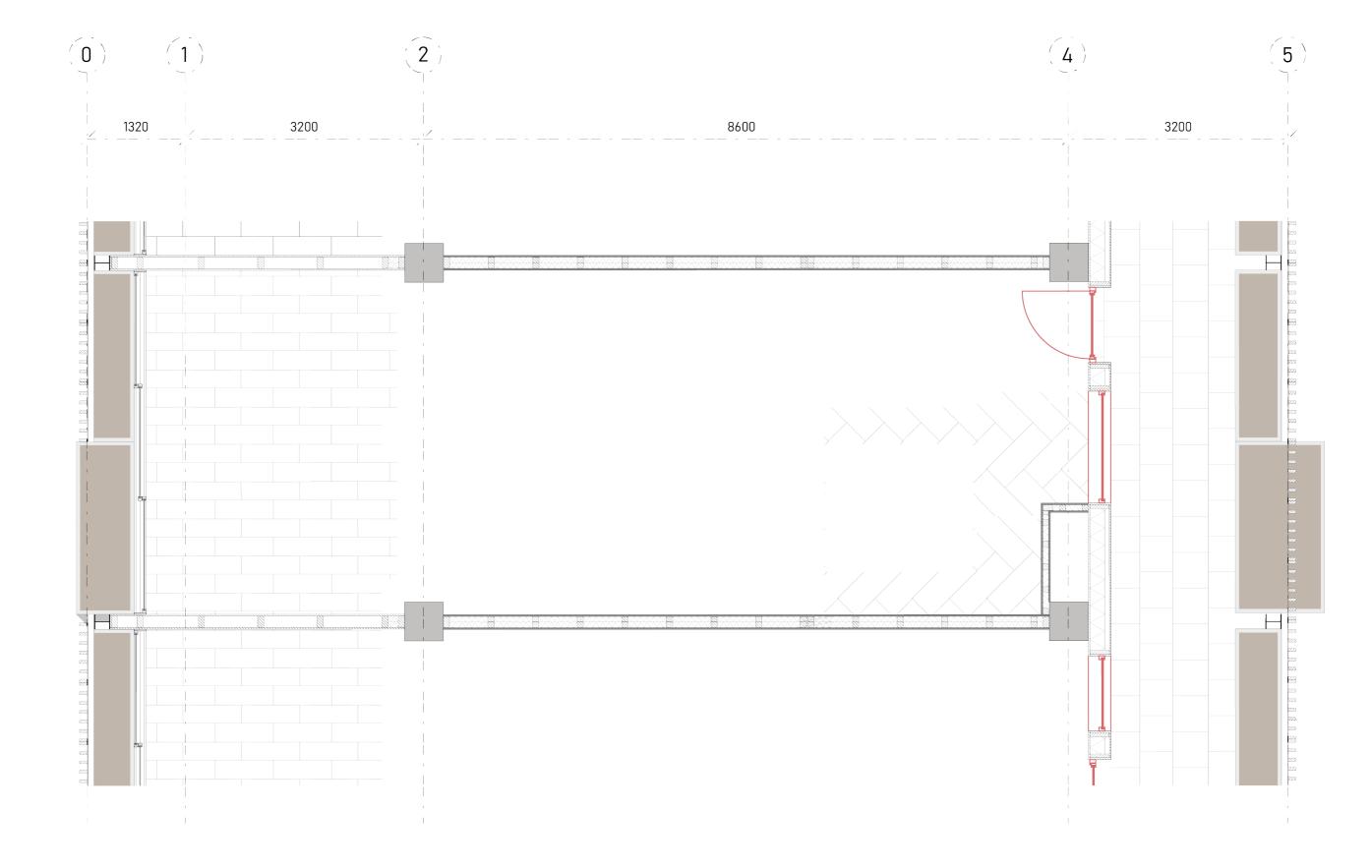
## Modular facade



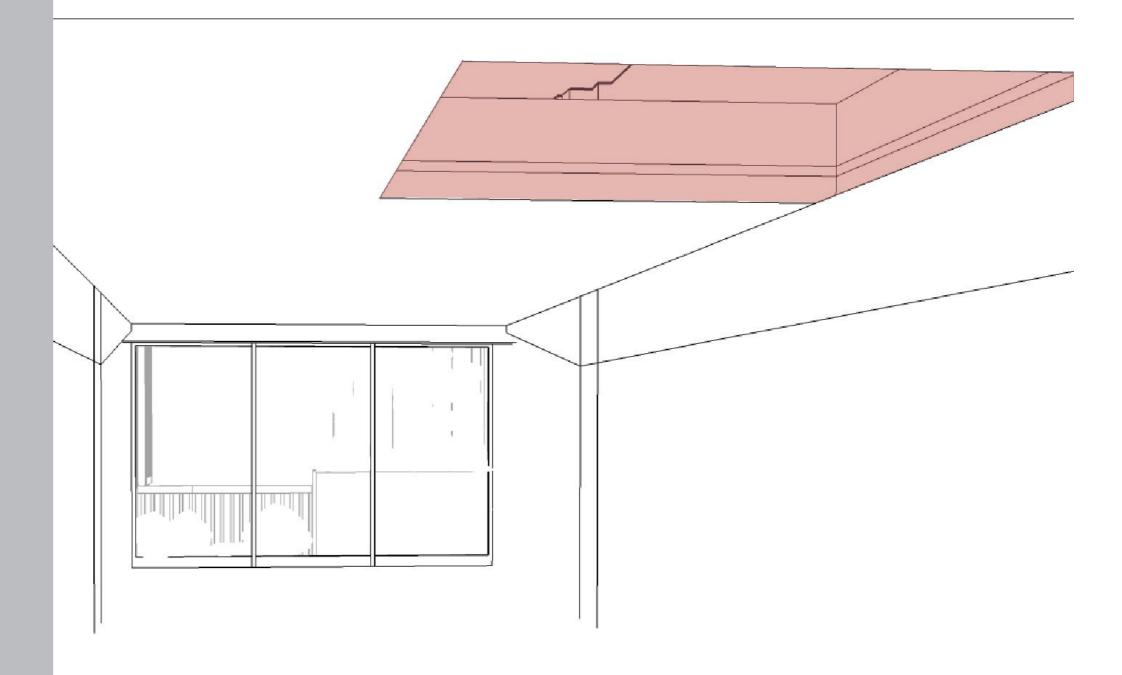


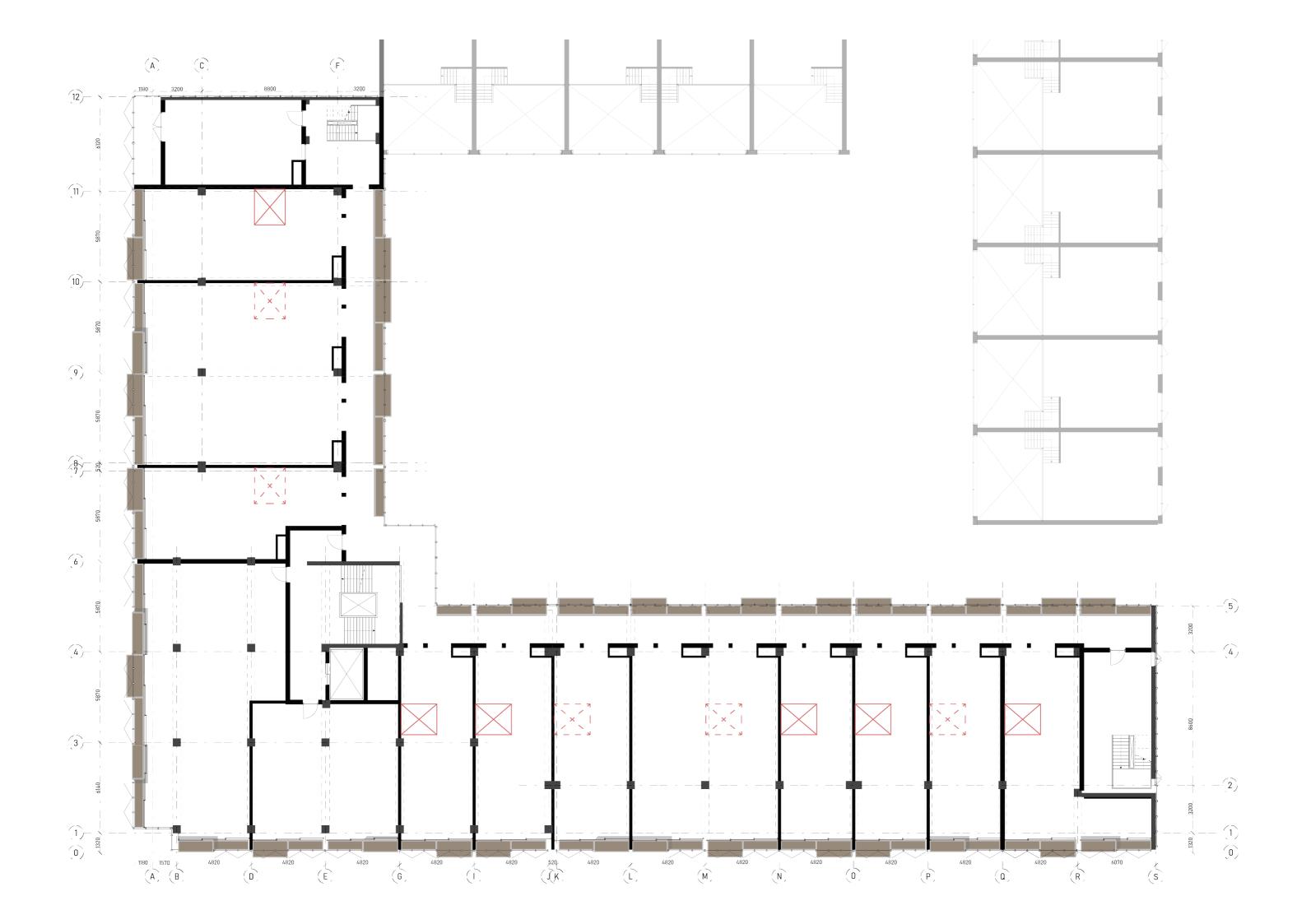


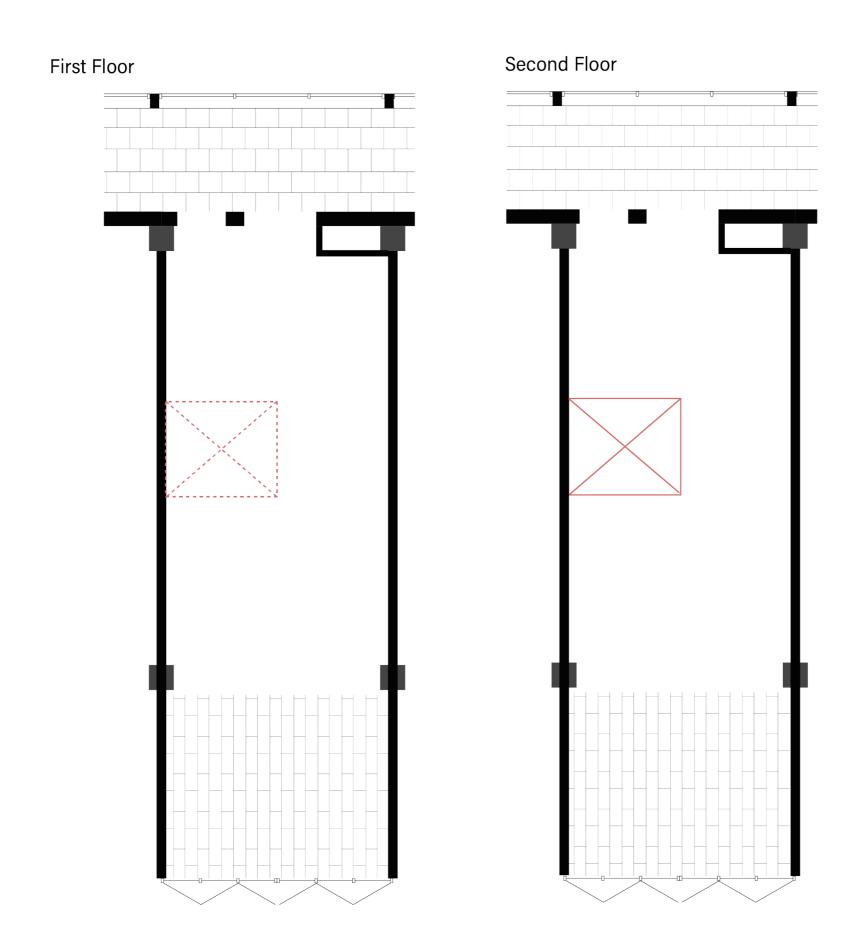




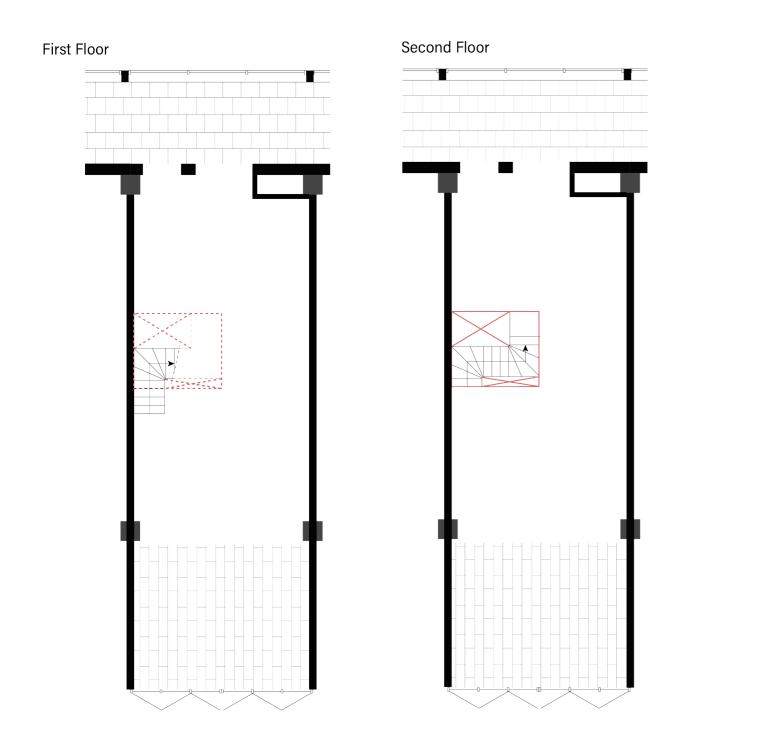
#### Floor void

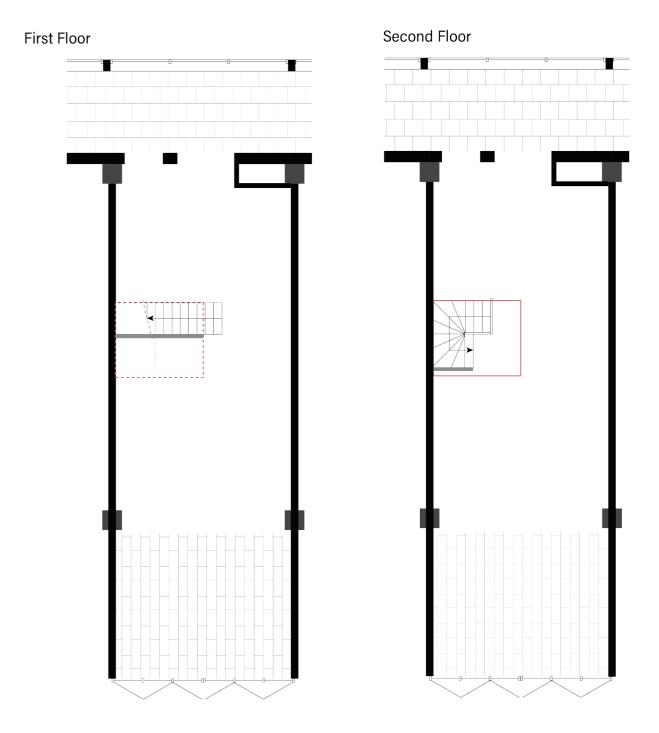




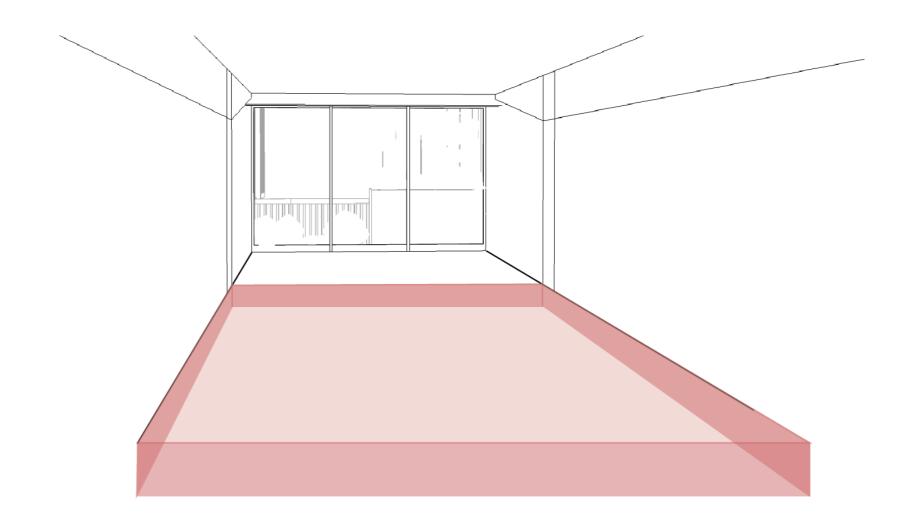


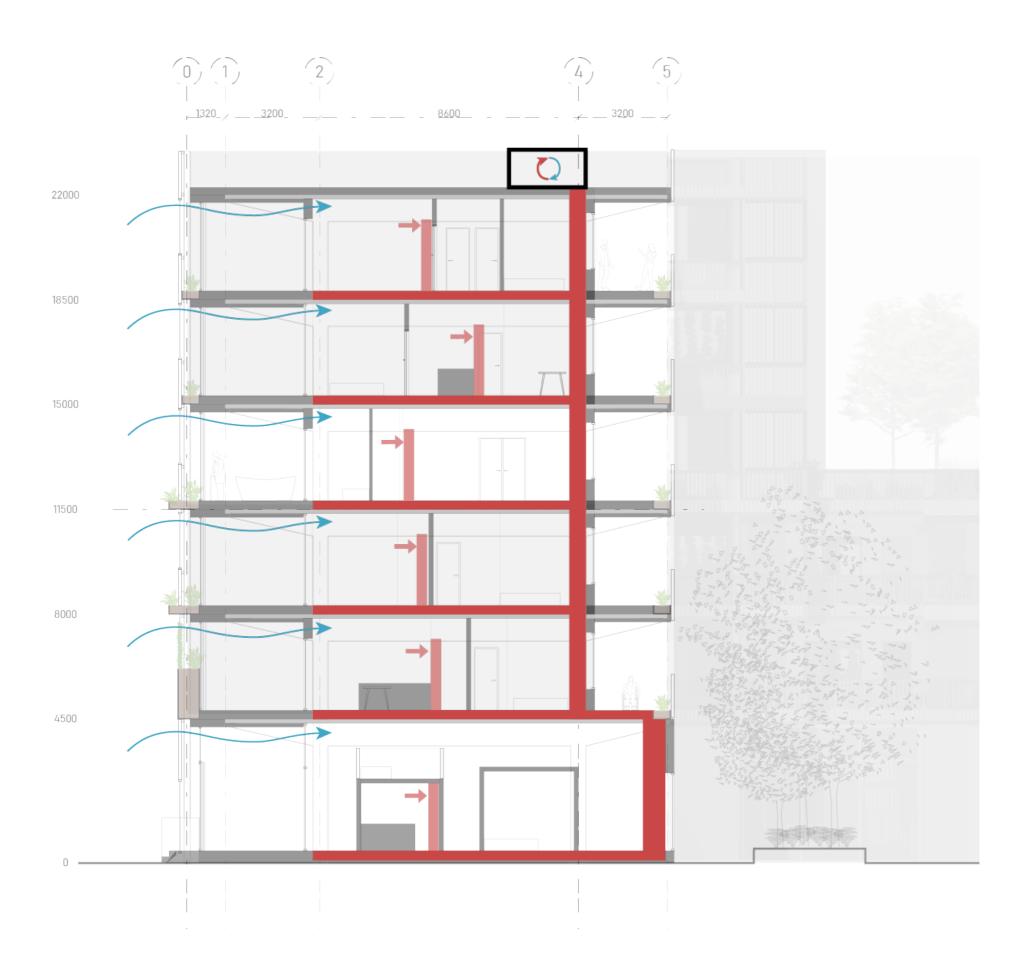
Type B2: 87 m2 BVO

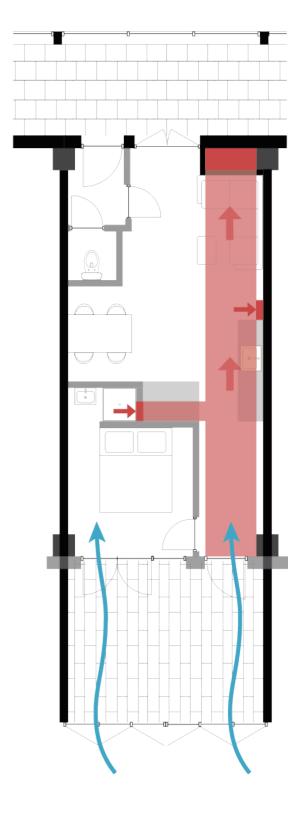




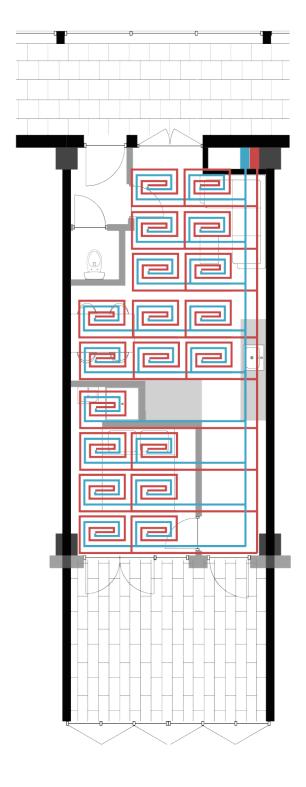
# Raised floor system

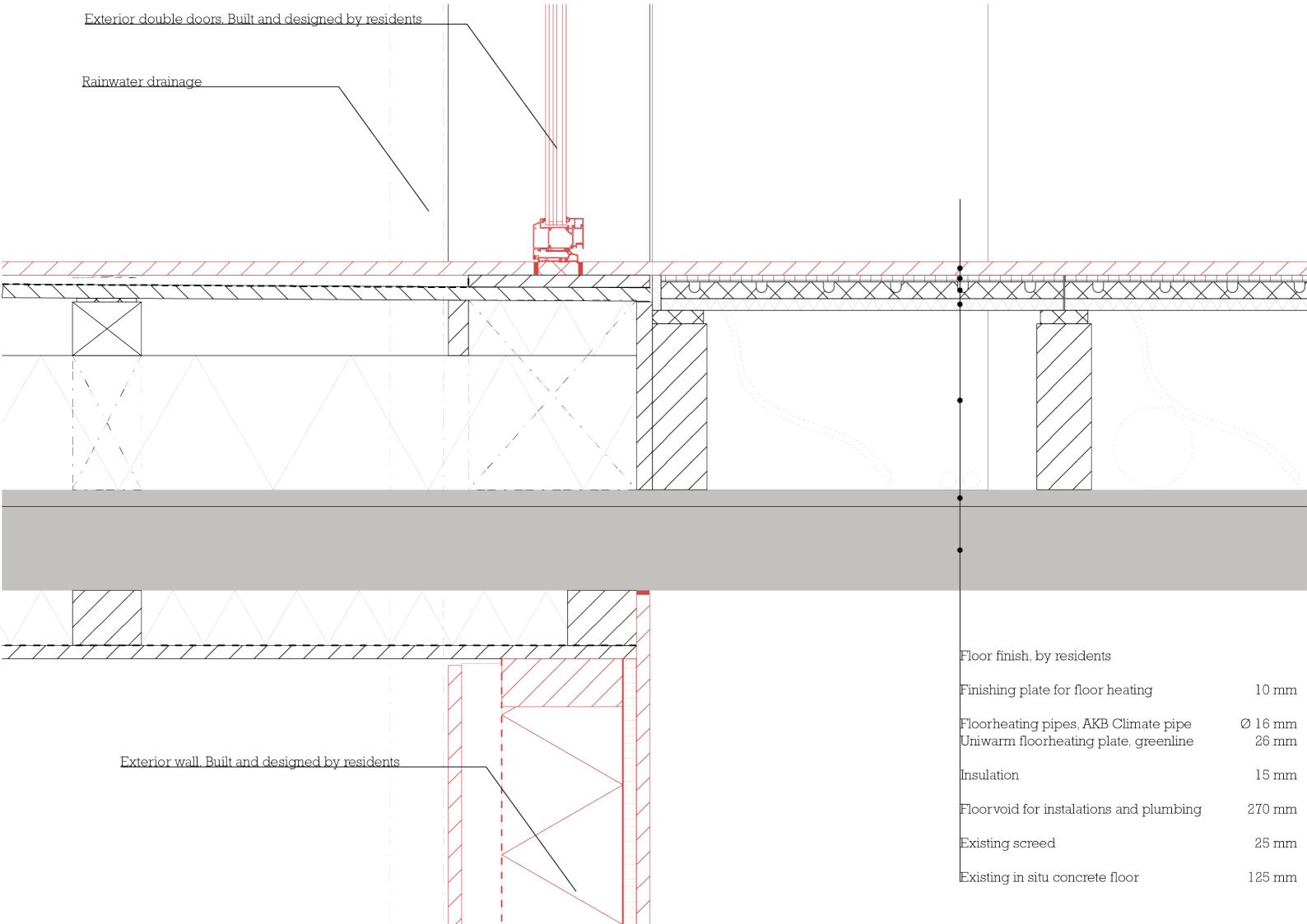


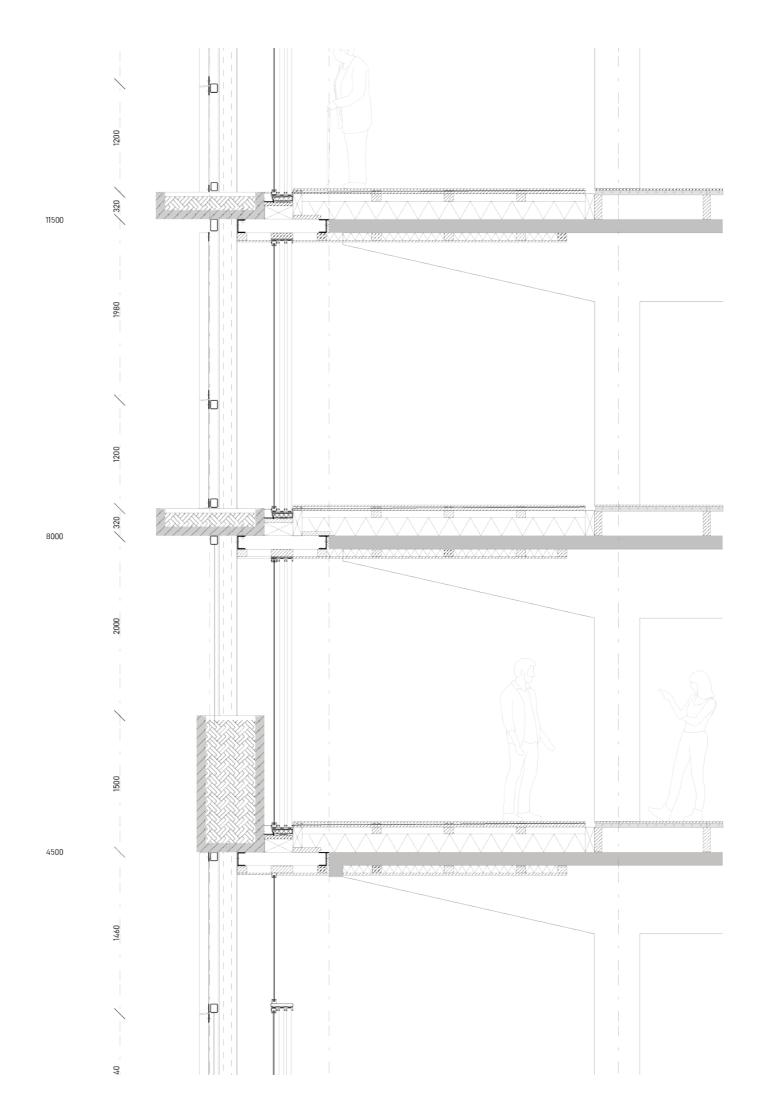


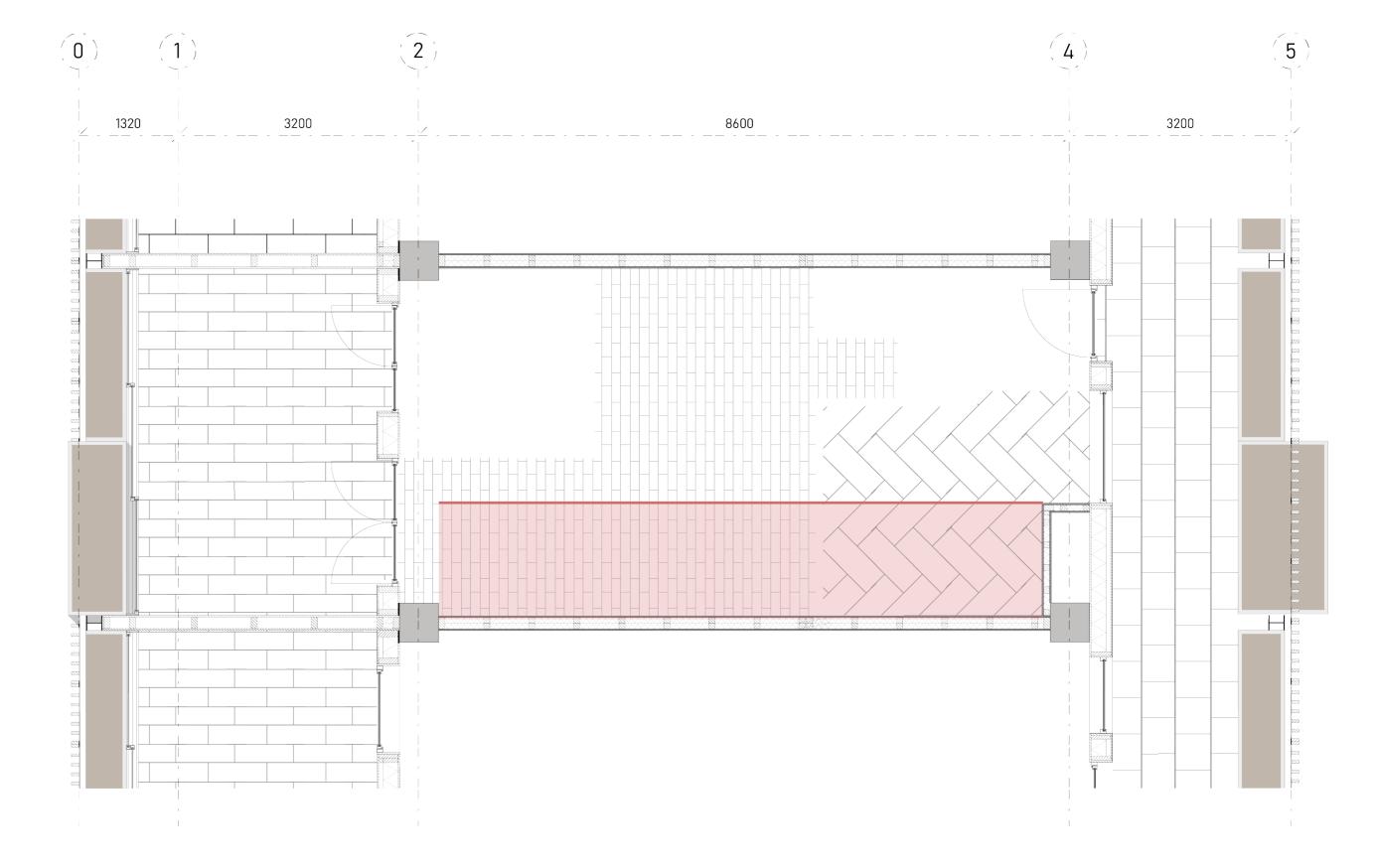




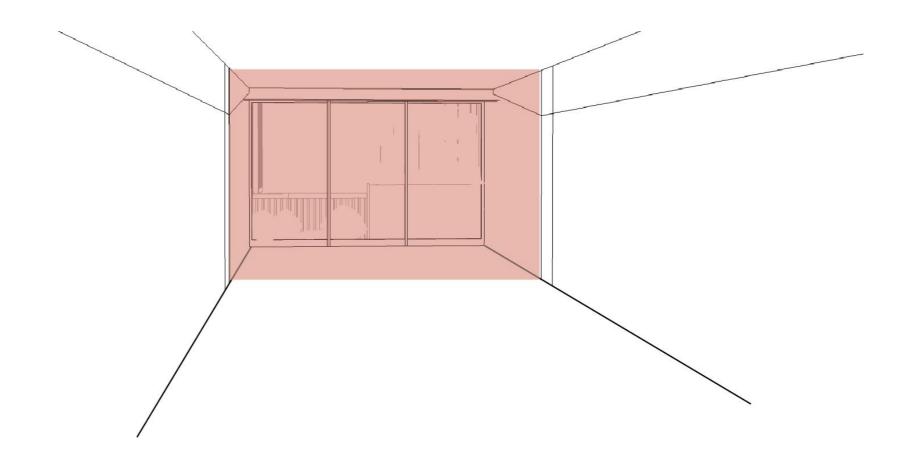






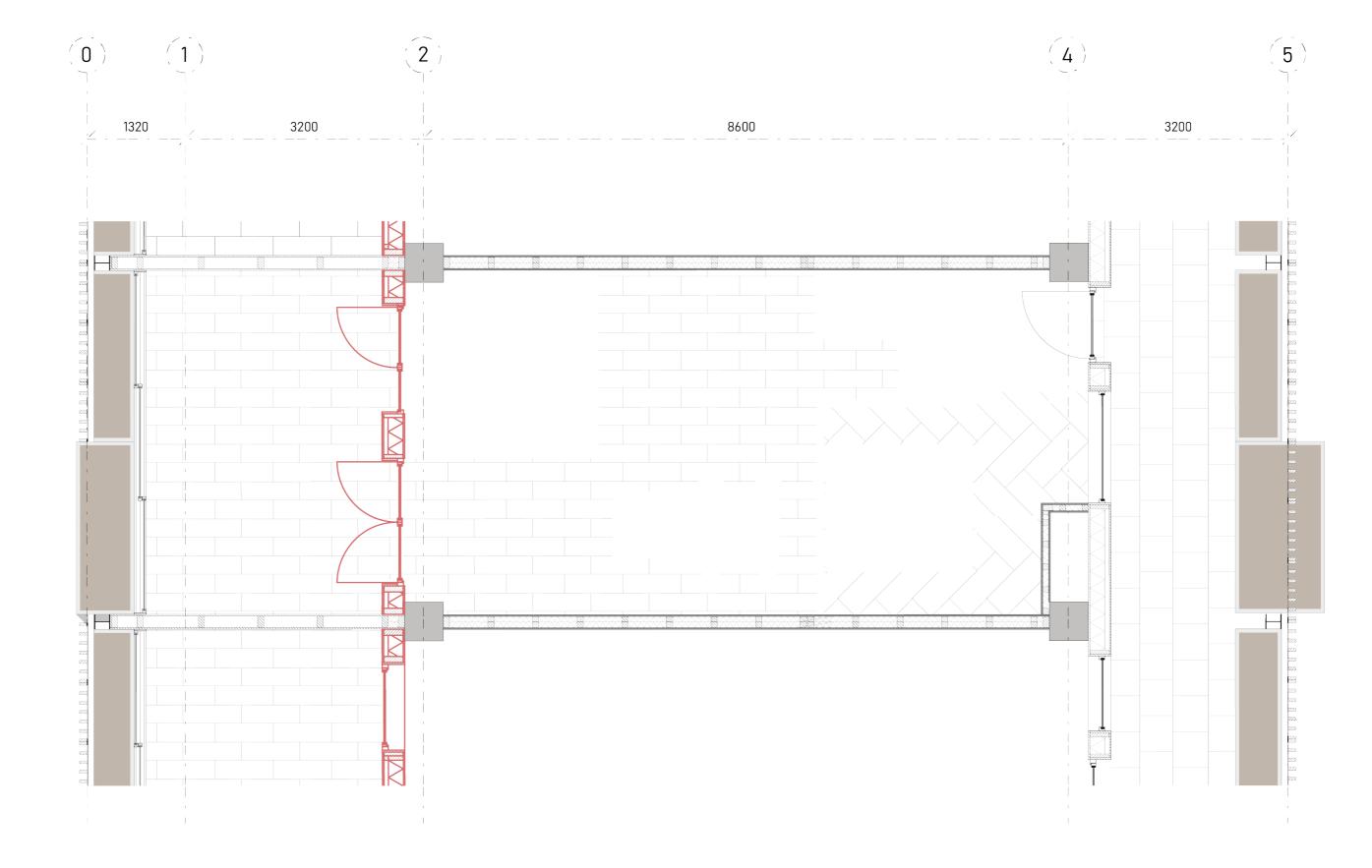


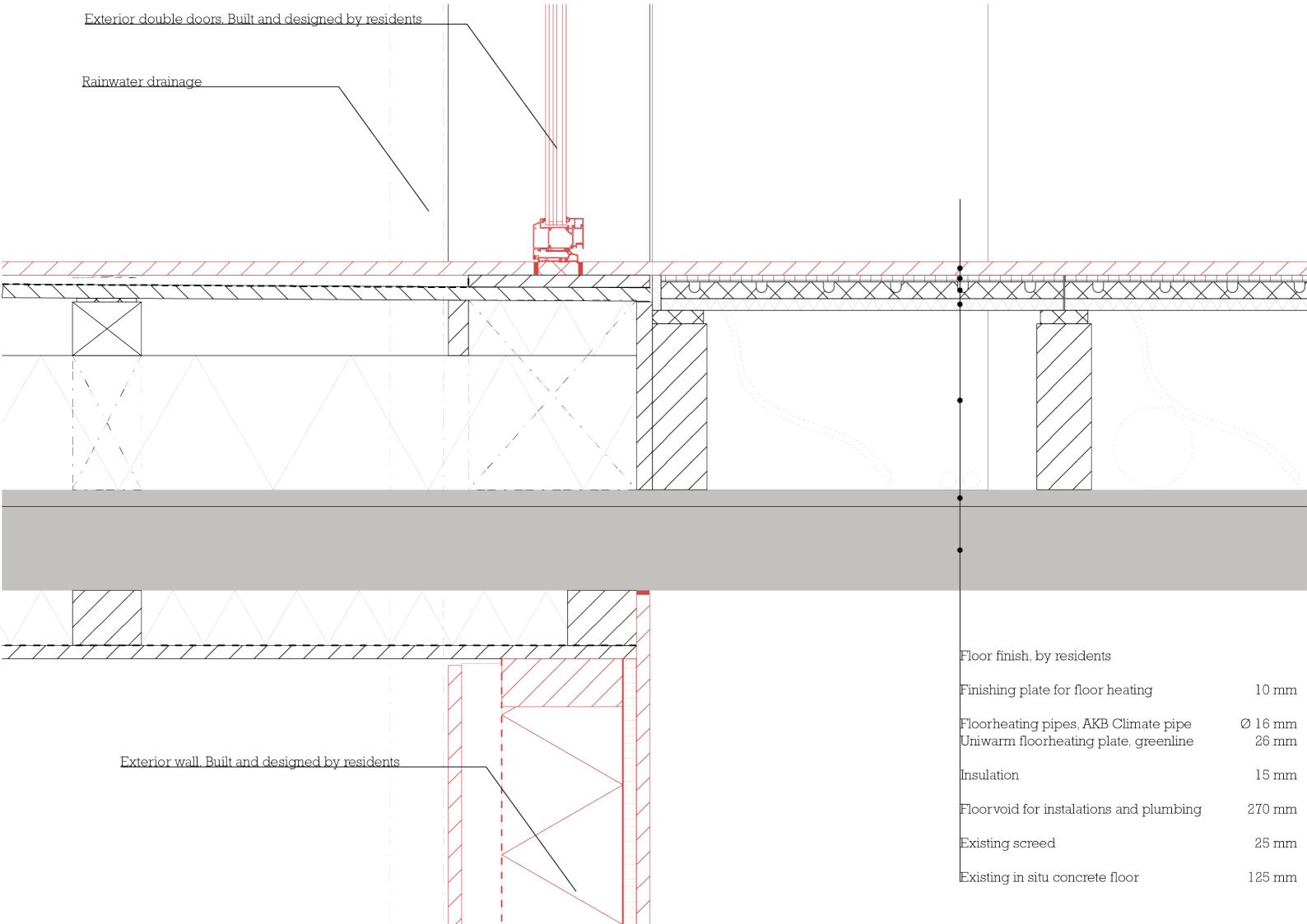
### DIY facade







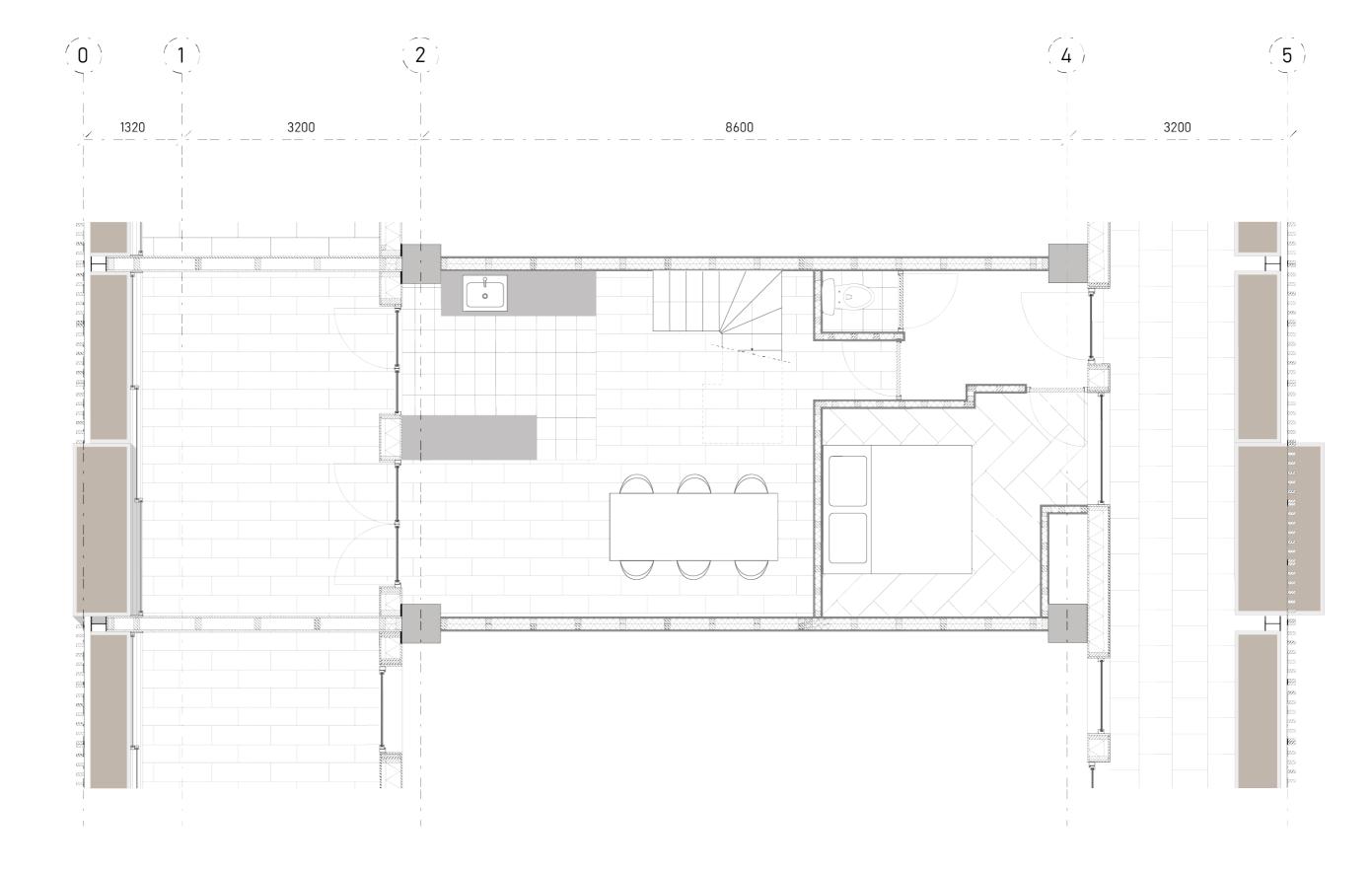




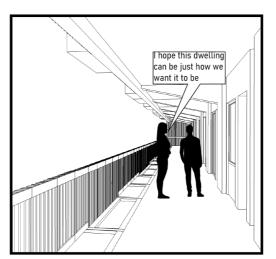
# Interior and layout

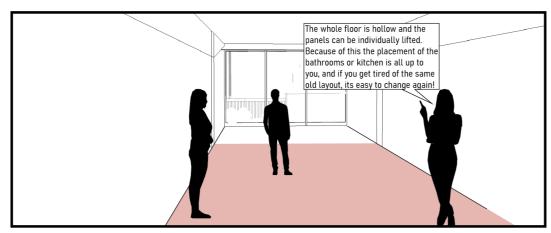


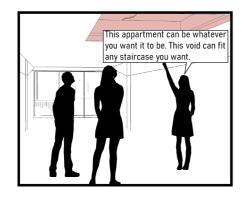




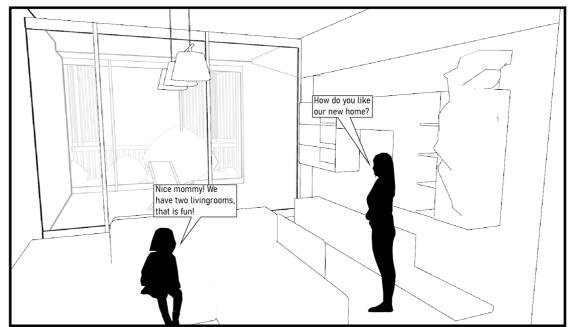


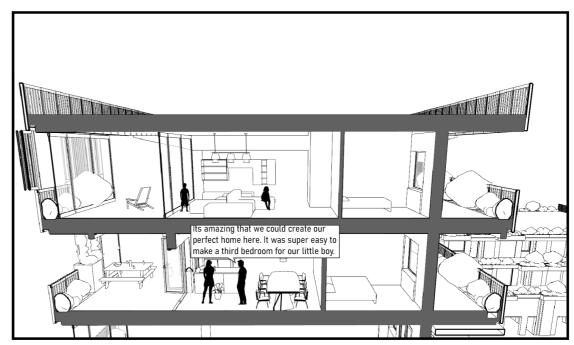


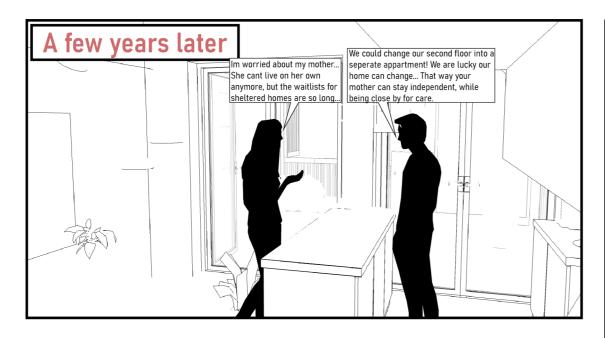




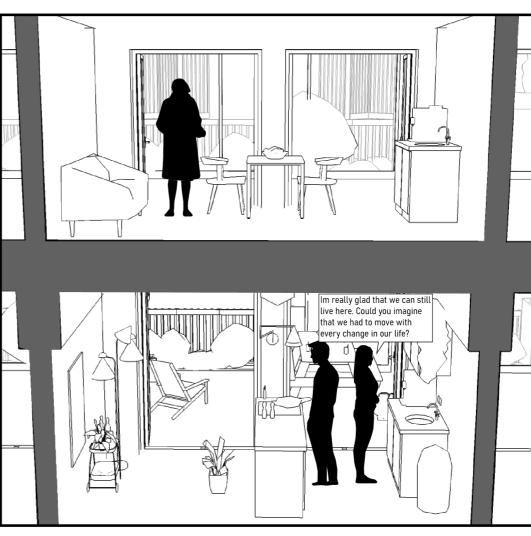












### In Summary

A design that puts the user first.

Adaptable solutions that will allow people to change and grow with their dwellings

Giving users the control over their surroundings

