









research | a role for architectural elements in the well-being of patients



programme



design



research



programme | treatment and living spaces for psychiatric patients



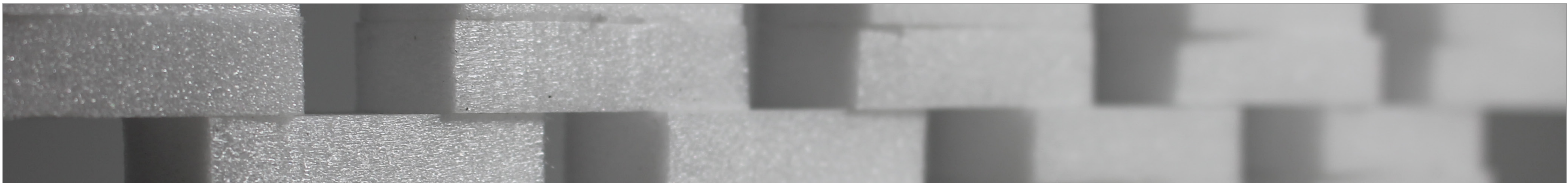
design



research



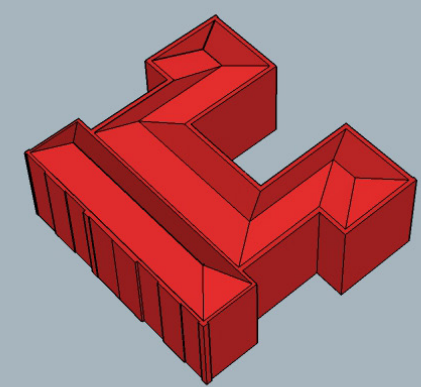
programme



design | a safe place in the inner city fabric of amsterdam

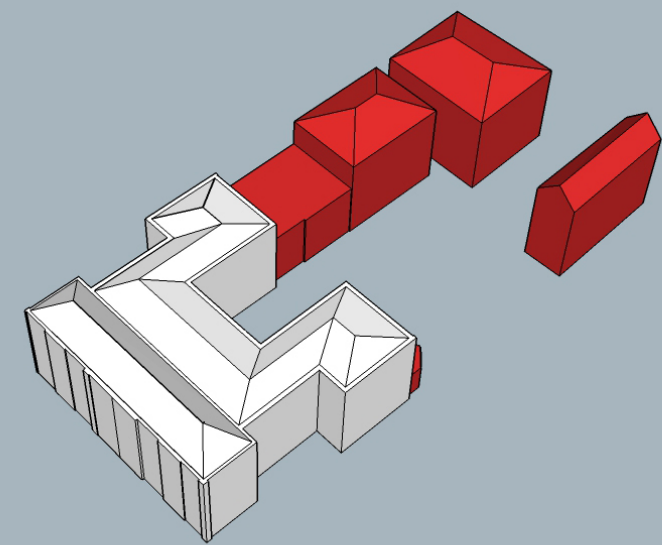
How did the hospital come into being?

- school for 'proper' nursing
- luxury rooms for the rich

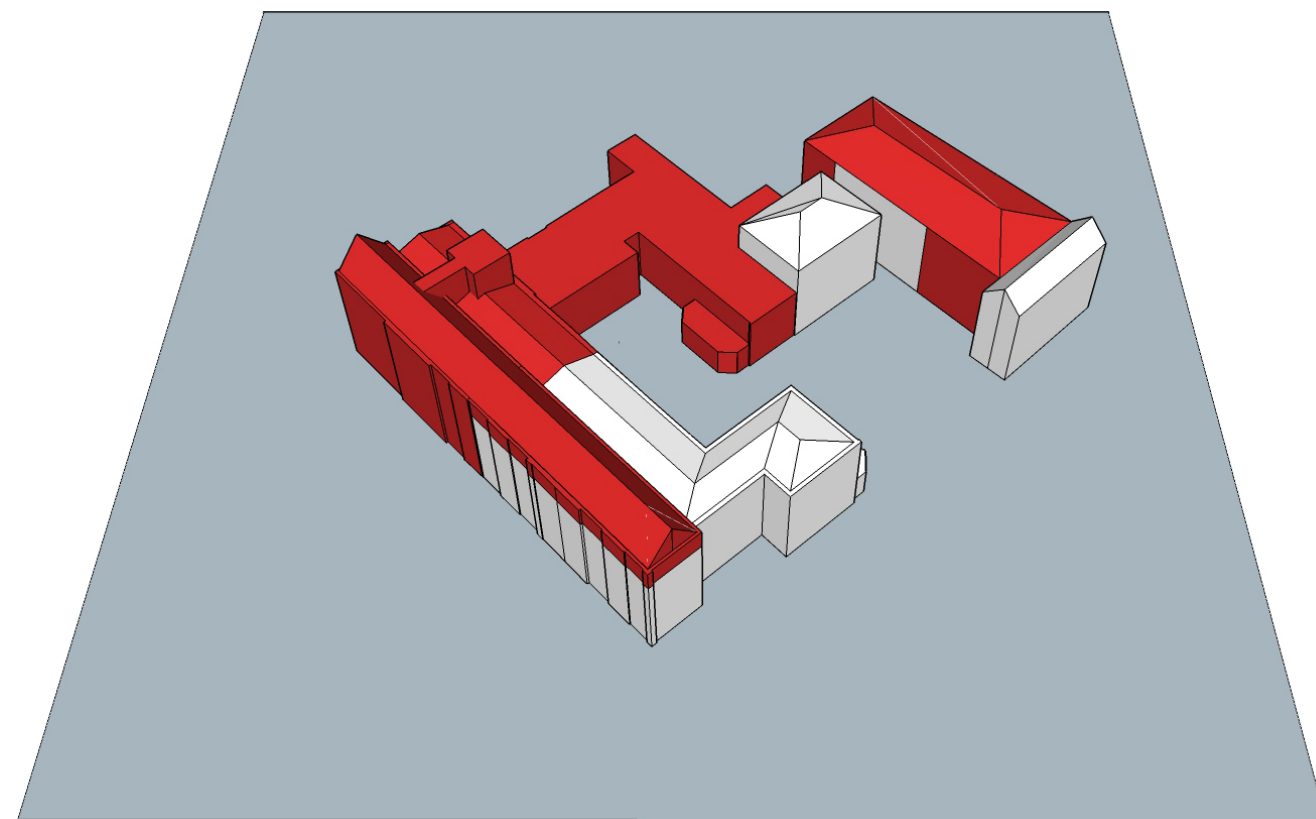


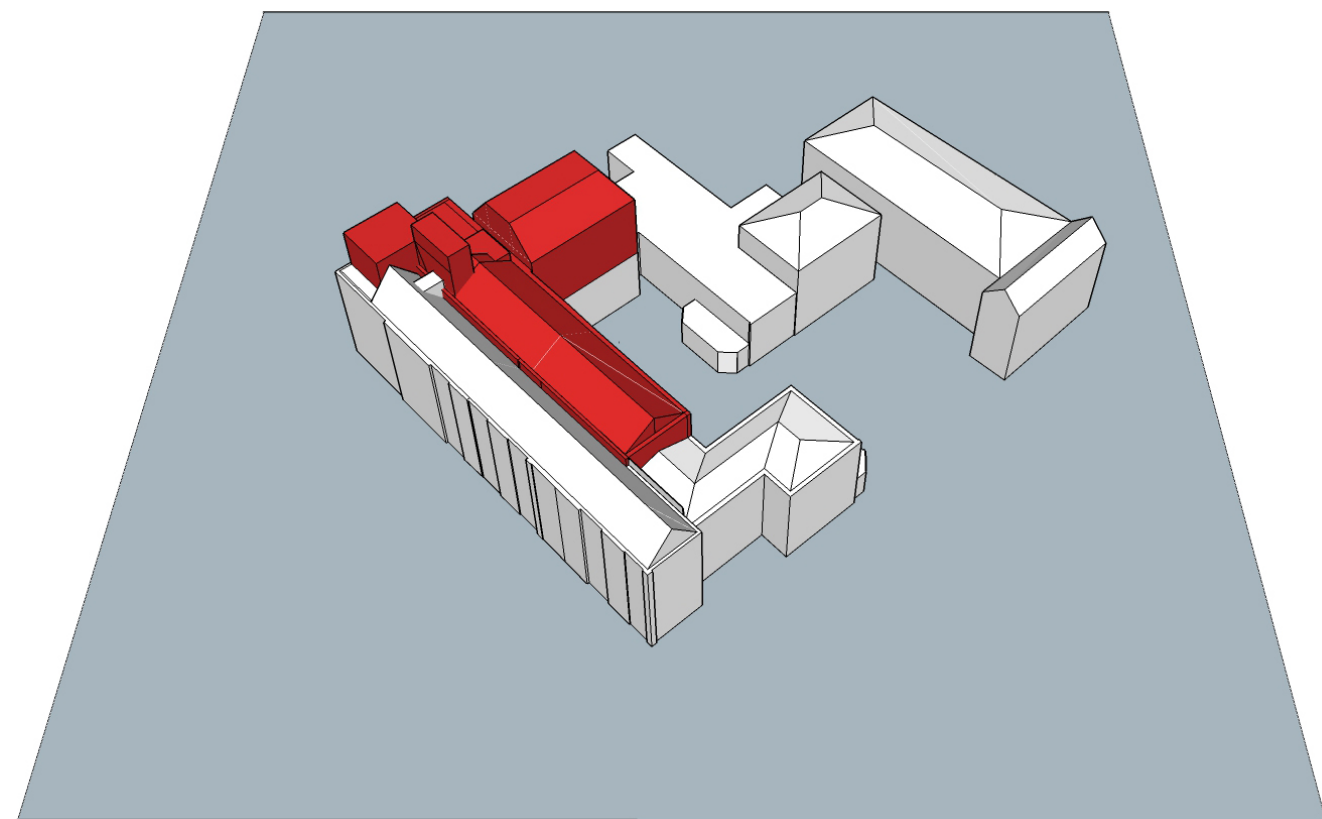
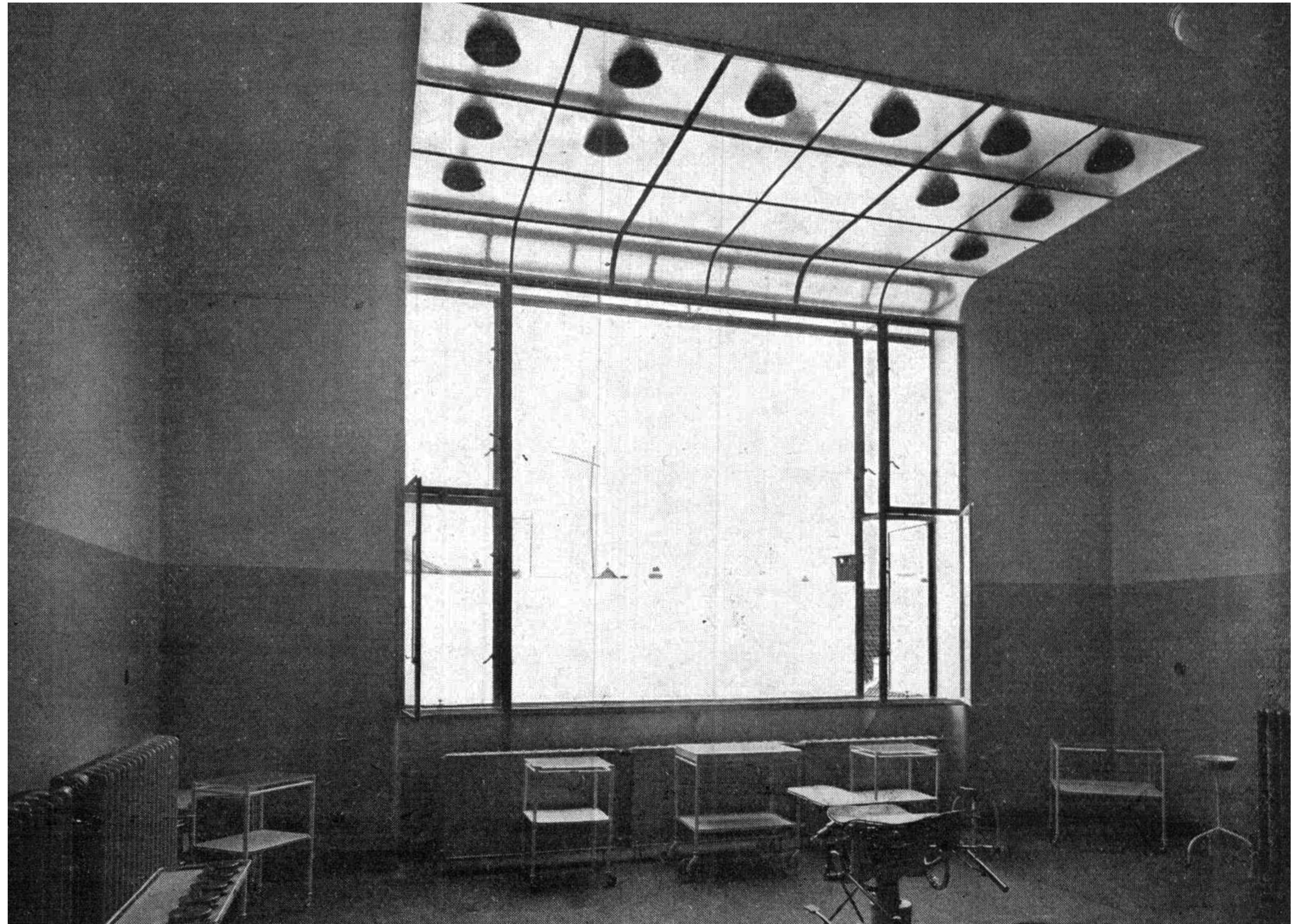


- shift from care to cure
- focus on technology

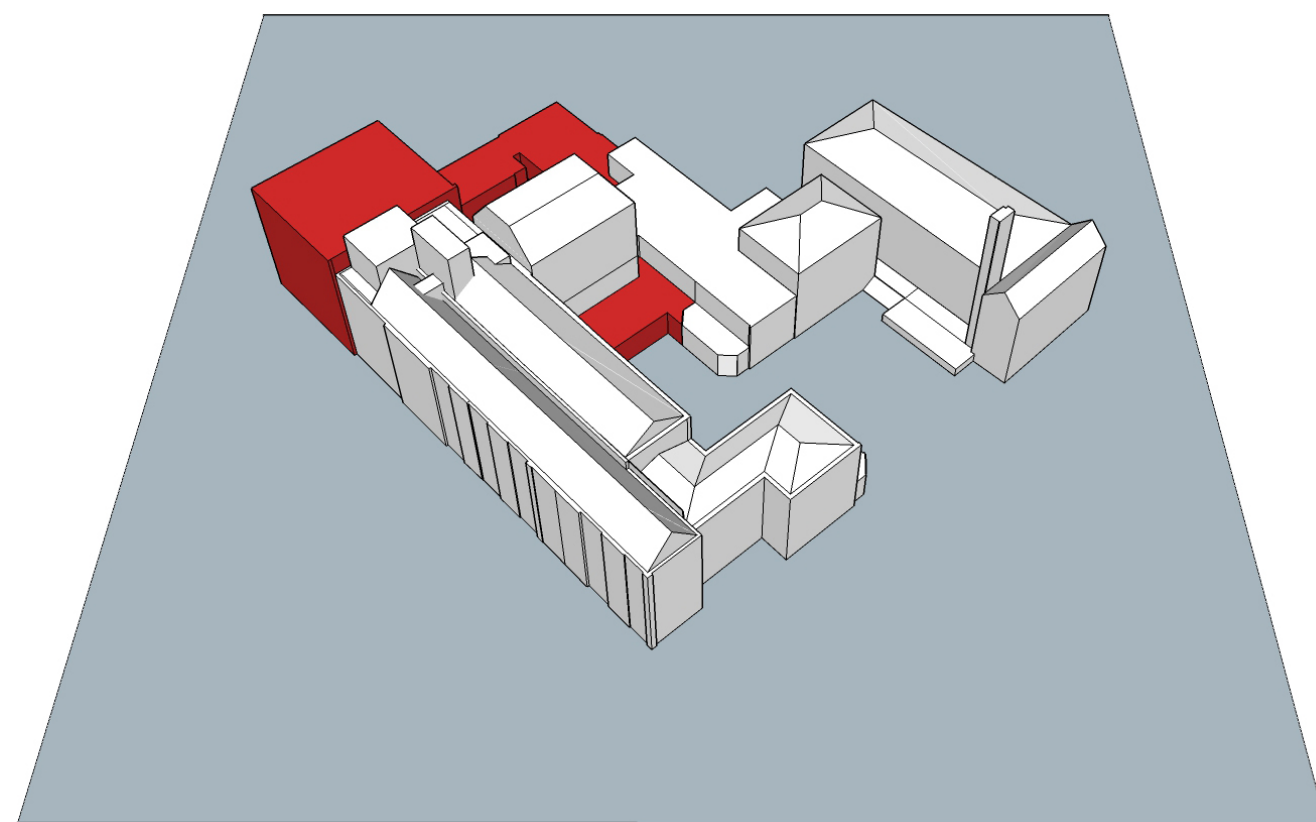


- welfare state
- rapid expansion of city





- modern expansion
- ambition: new building



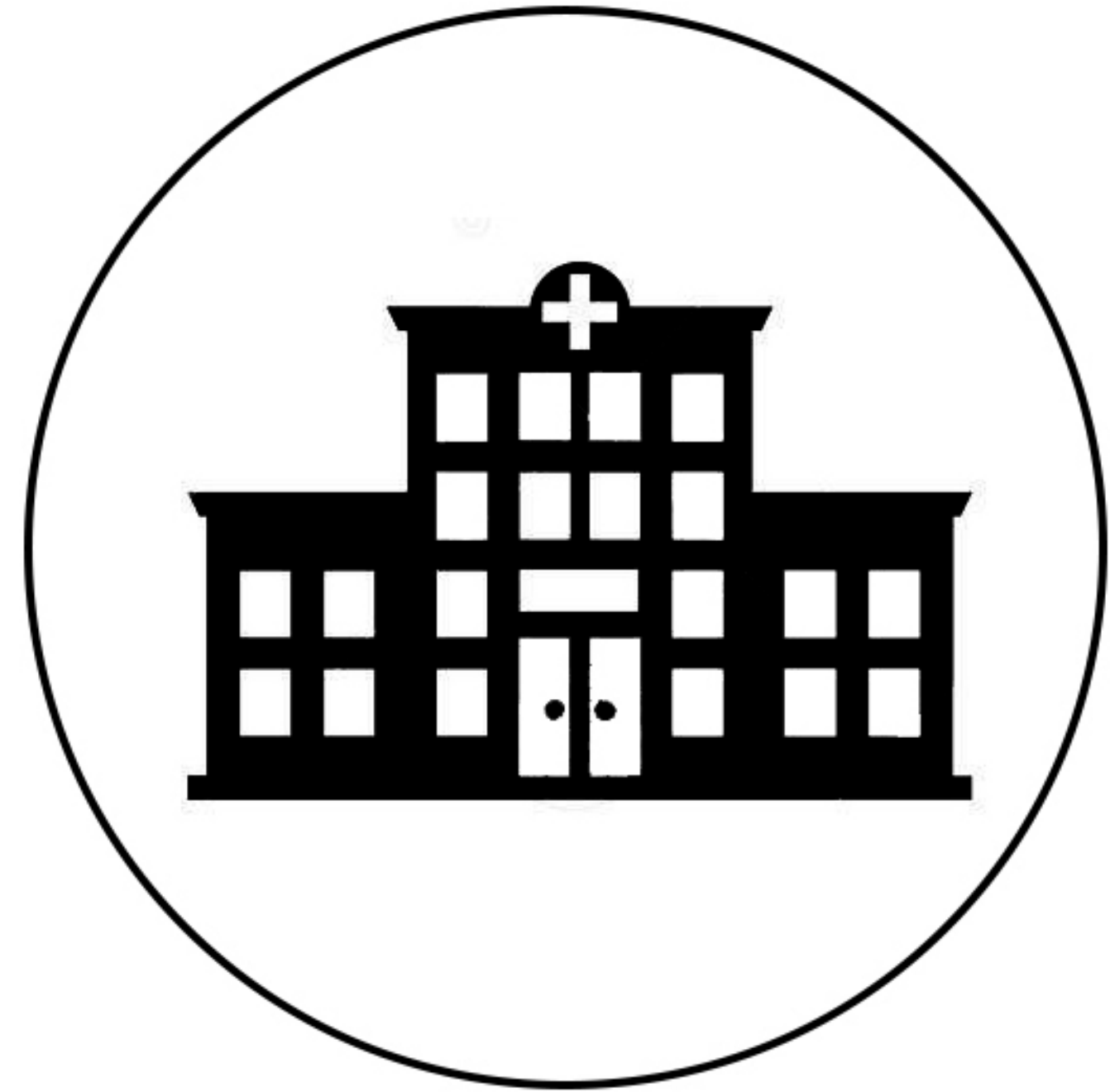


# Experiencing architecture in the Prinsengracht Hospital

To which extent did architectural aspects contribute to the positive experiences and user-friendly atmosphere of the Prinsengracht Hospital, and how can they be of use in the redevelopment of the complex?











PGZ:  
7.800 m<sup>2</sup>  
100 beds

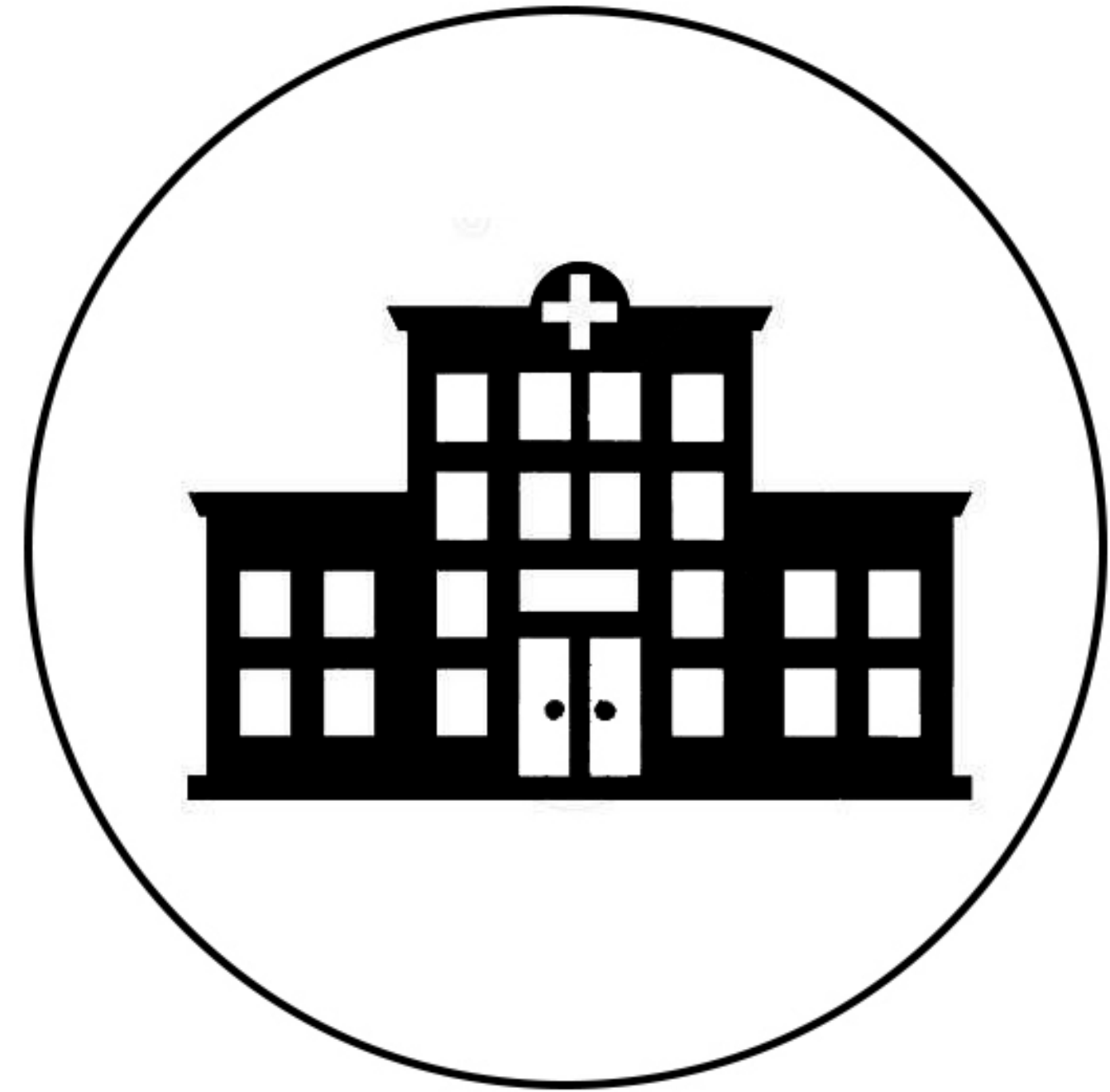


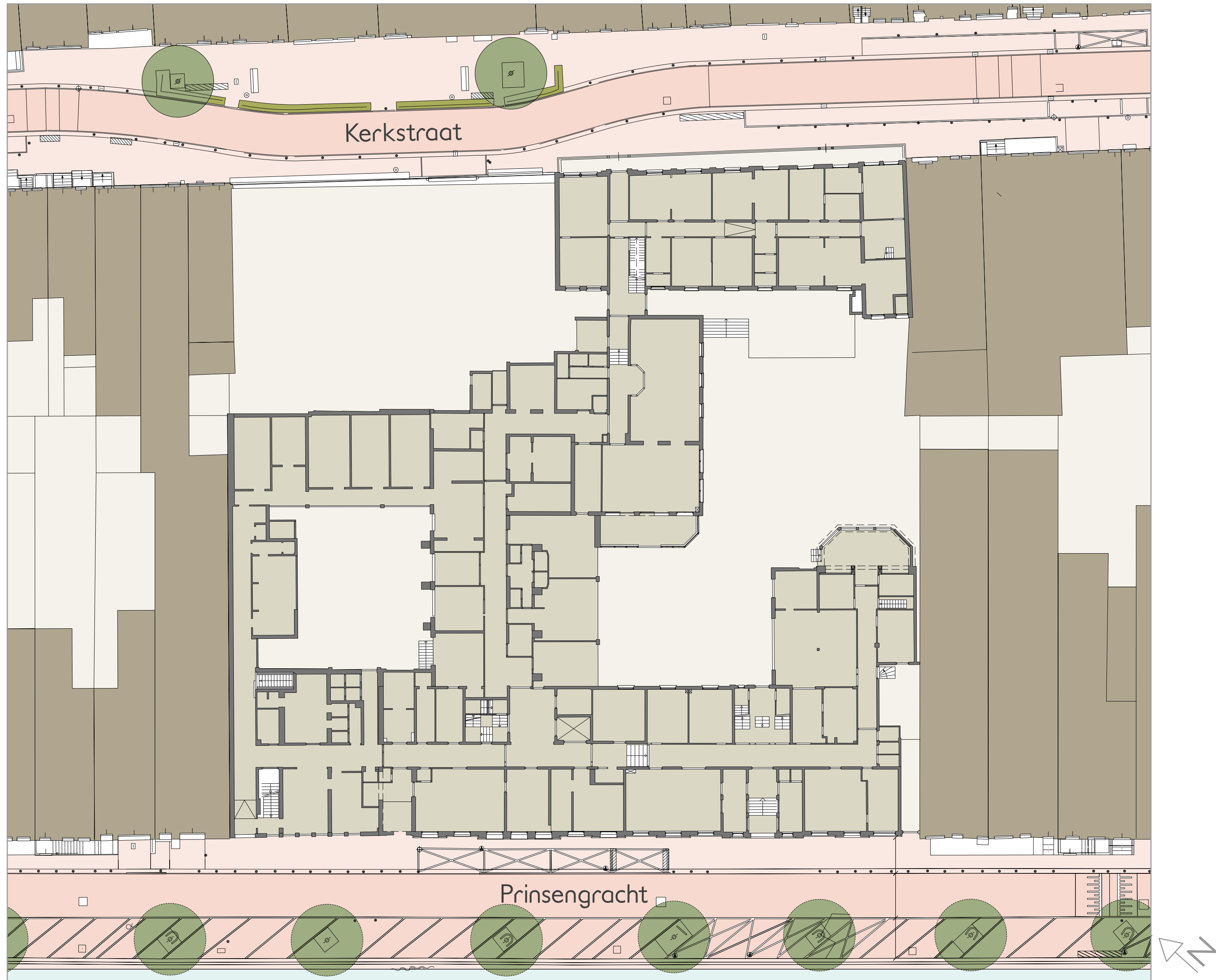
PGZ:  
7.800 m<sup>2</sup>  
100 beds



AMC:  
520.000 m<sup>2</sup>  
1003 beds



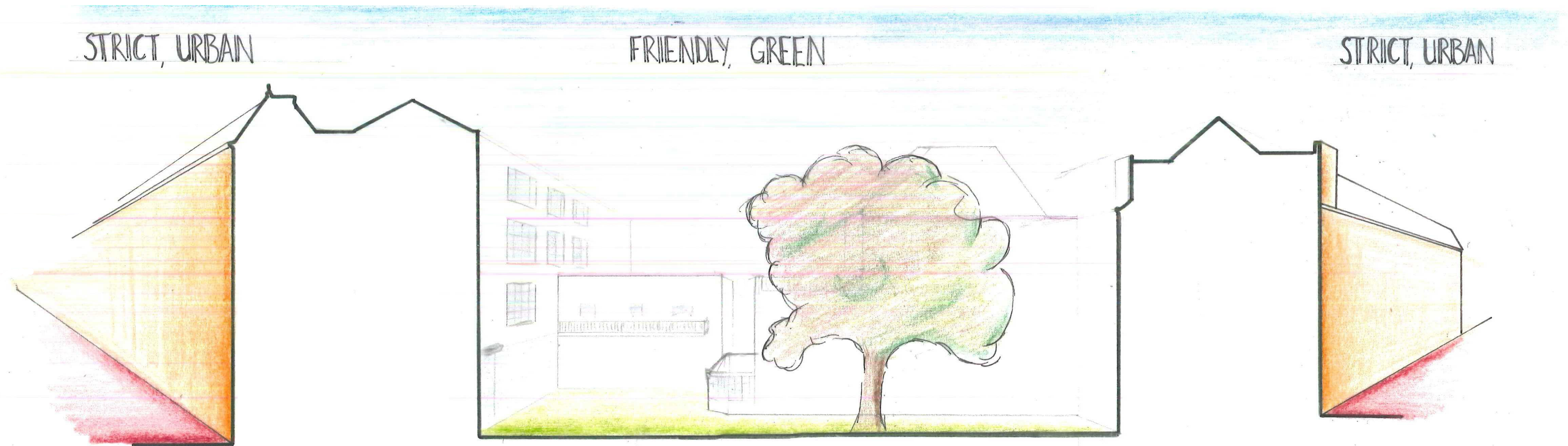










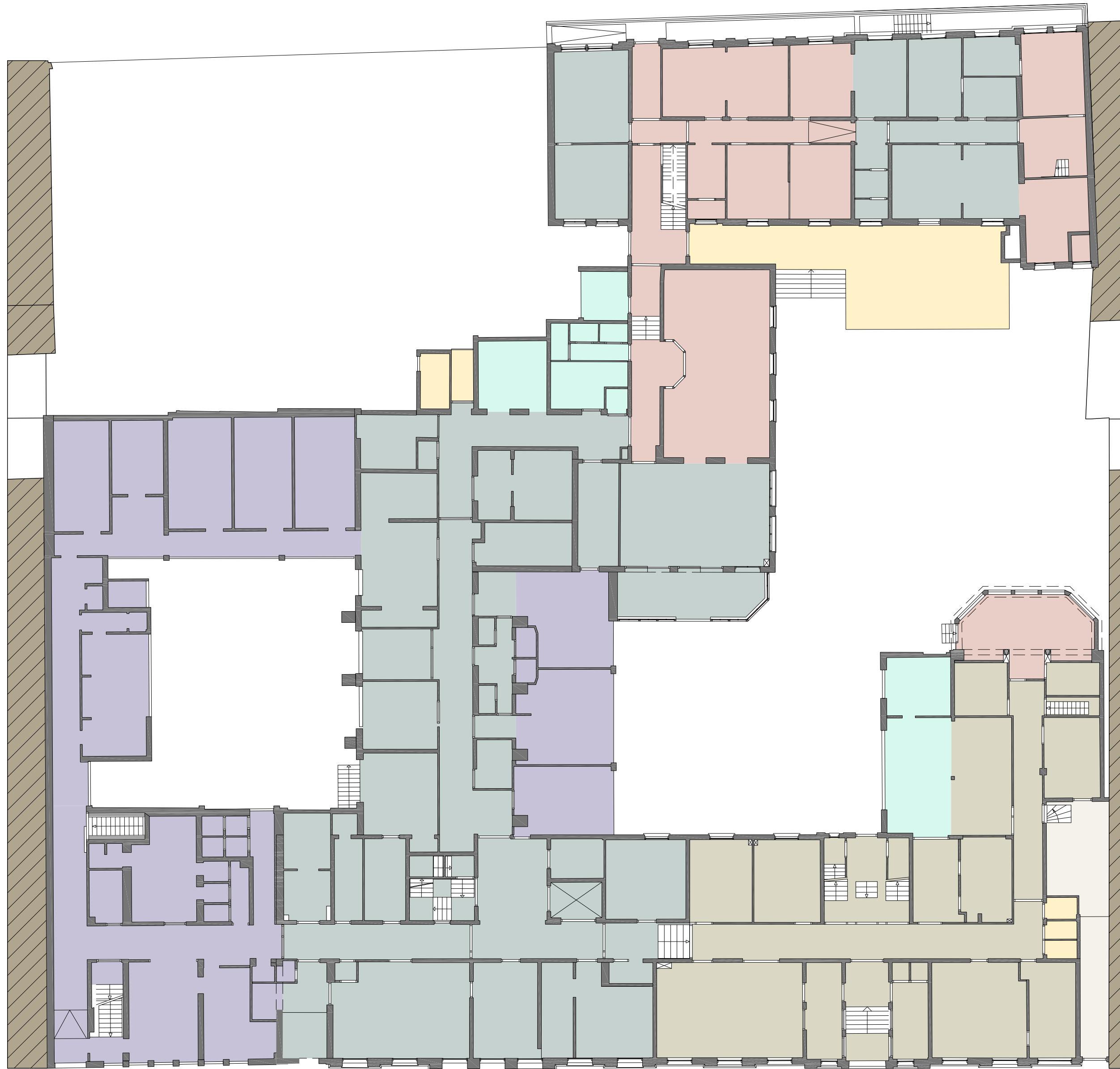


living green beneficial for mental state  
several secluded spaces to regulate privacy

no visual connection to city life  
quiet and peaceful



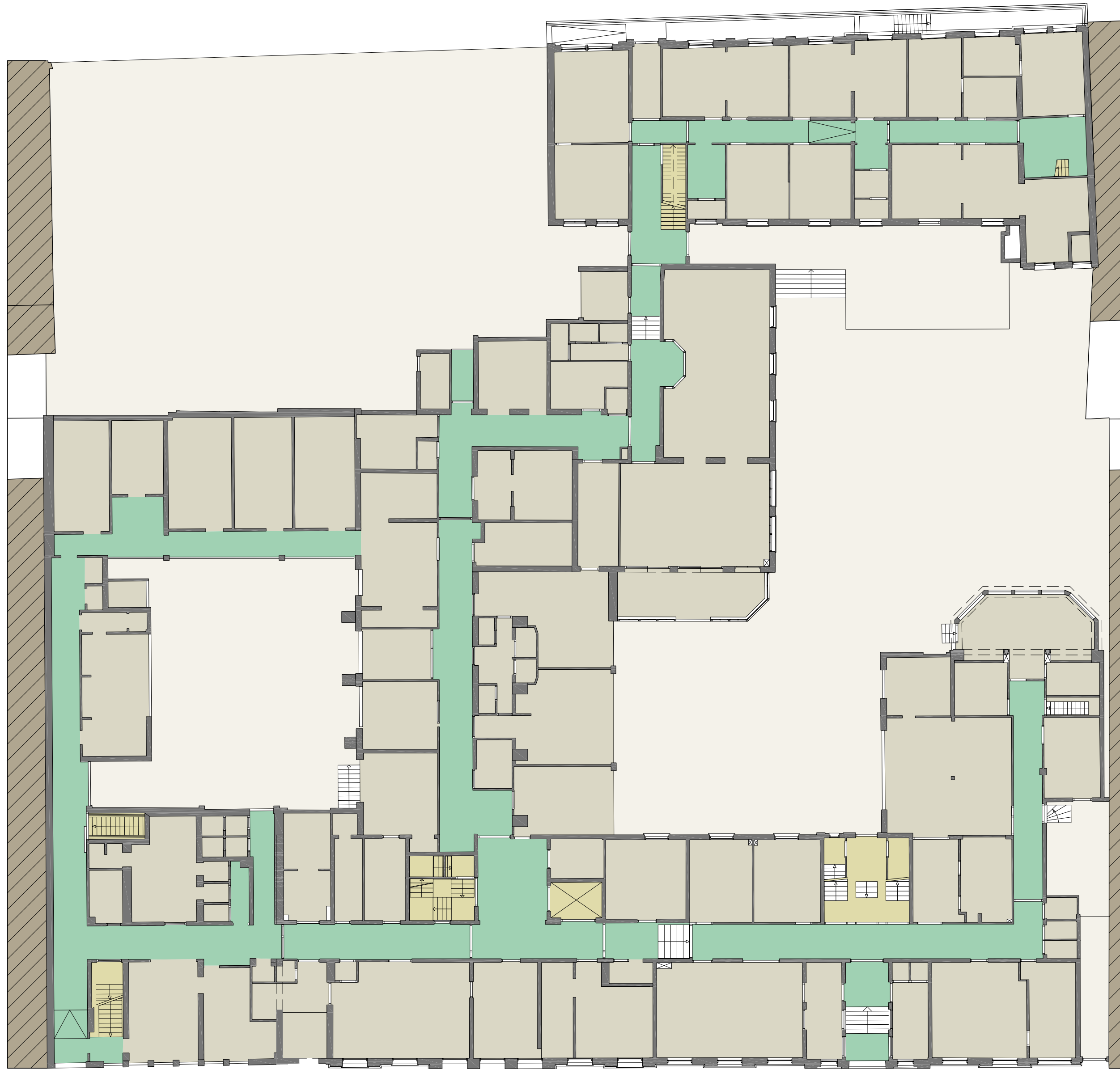




## diversity in building parts

- recognisable: provides sense of place
- mysterious: encourages to explore

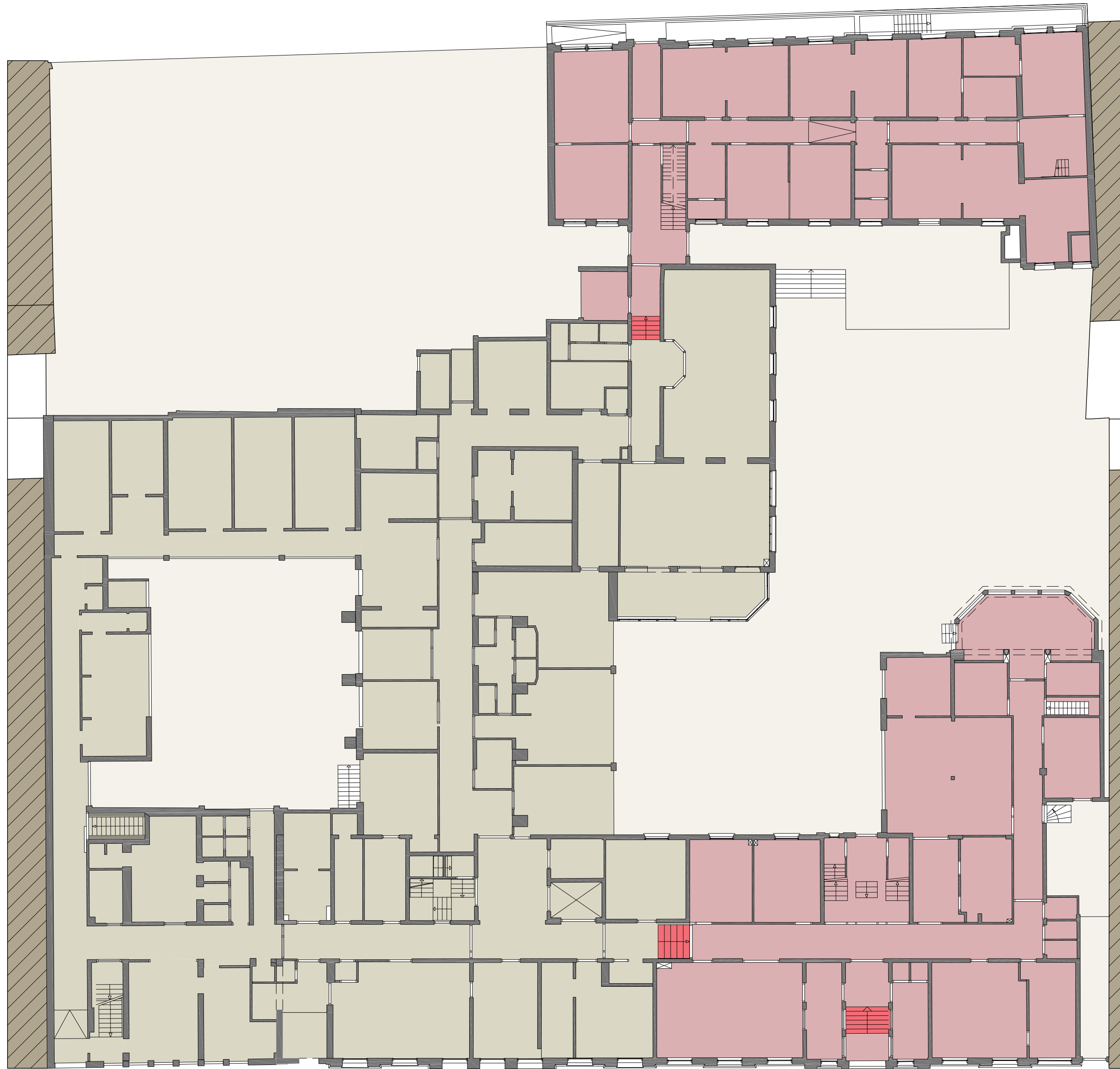




## unclear routing

- many corners: makes orientation difficult
- no daylight or views: reduced stimulation
- institutional lighting implies large scale



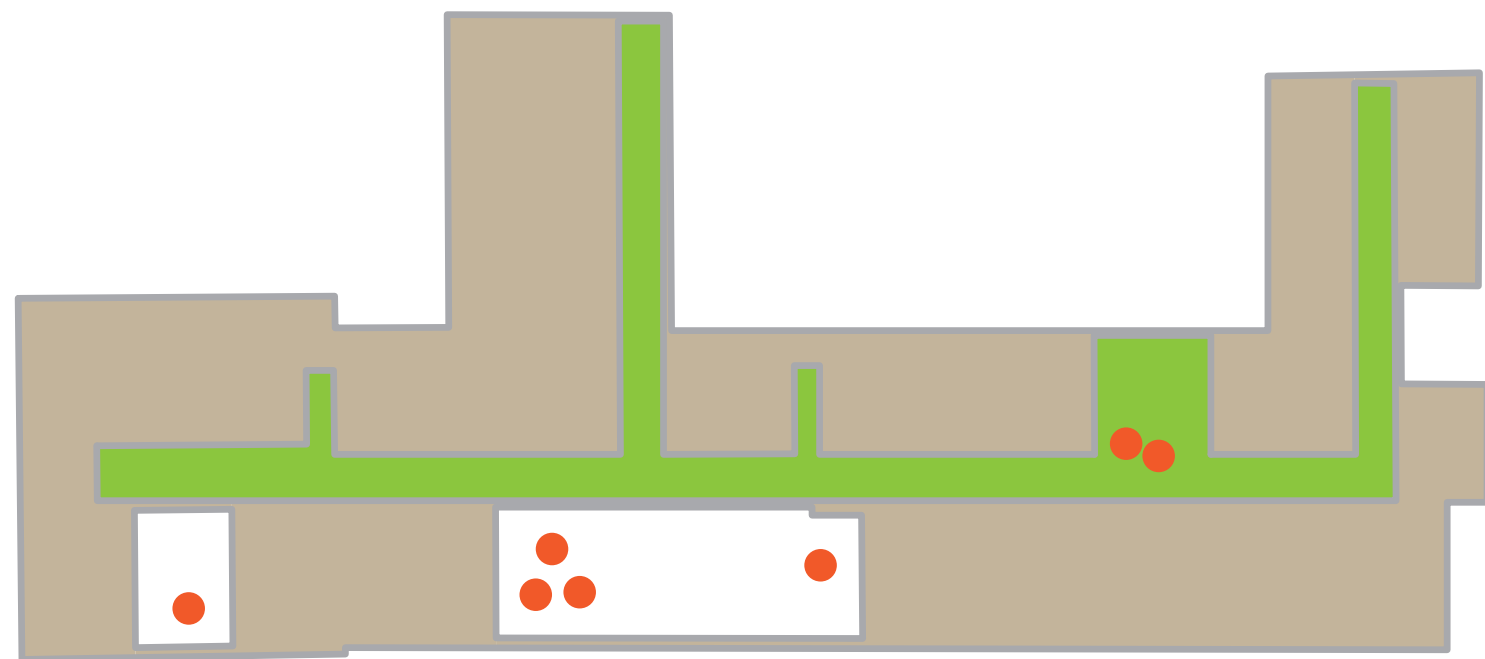


many steps and slopes

- not accessible for disabled
- reduces coherence of the complex



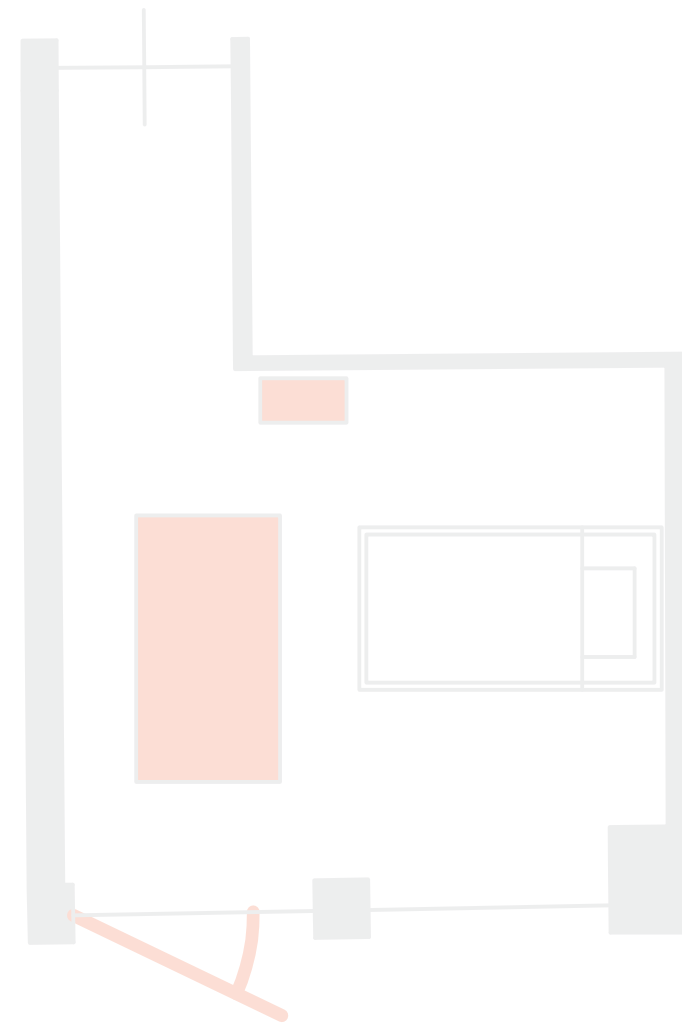




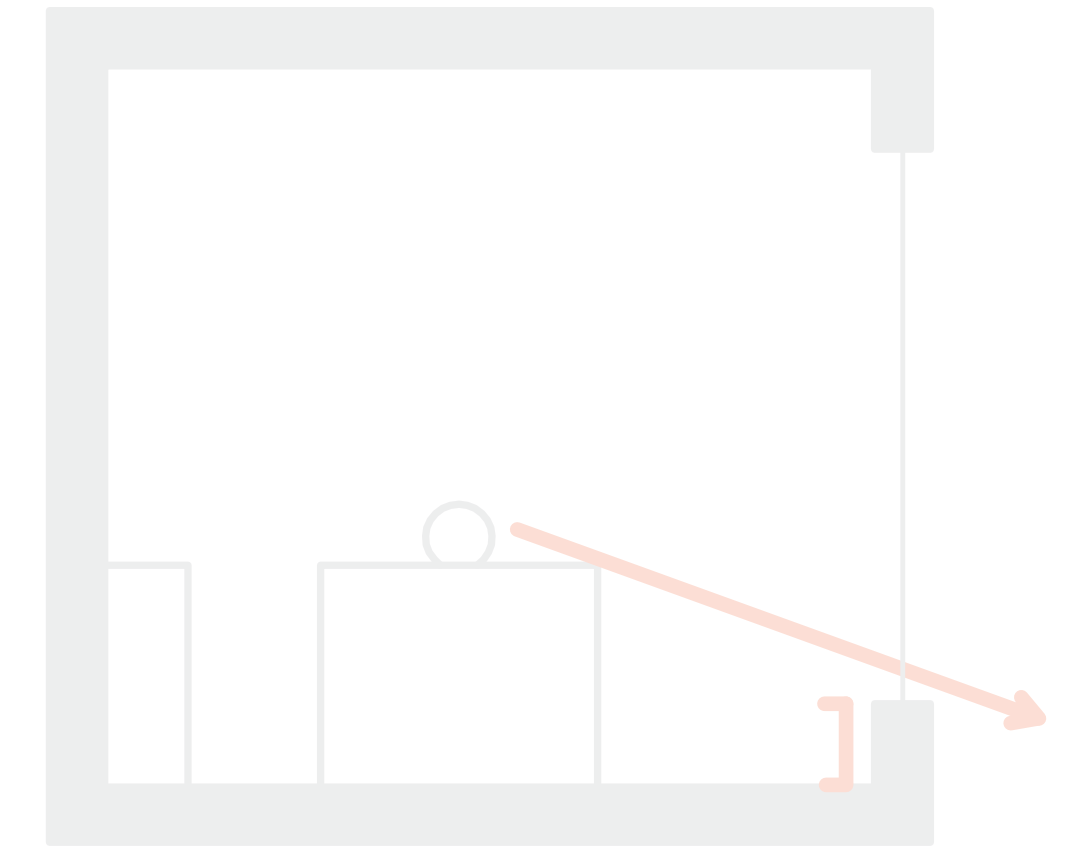
levels of privacy

shared rooms for  
social interaction

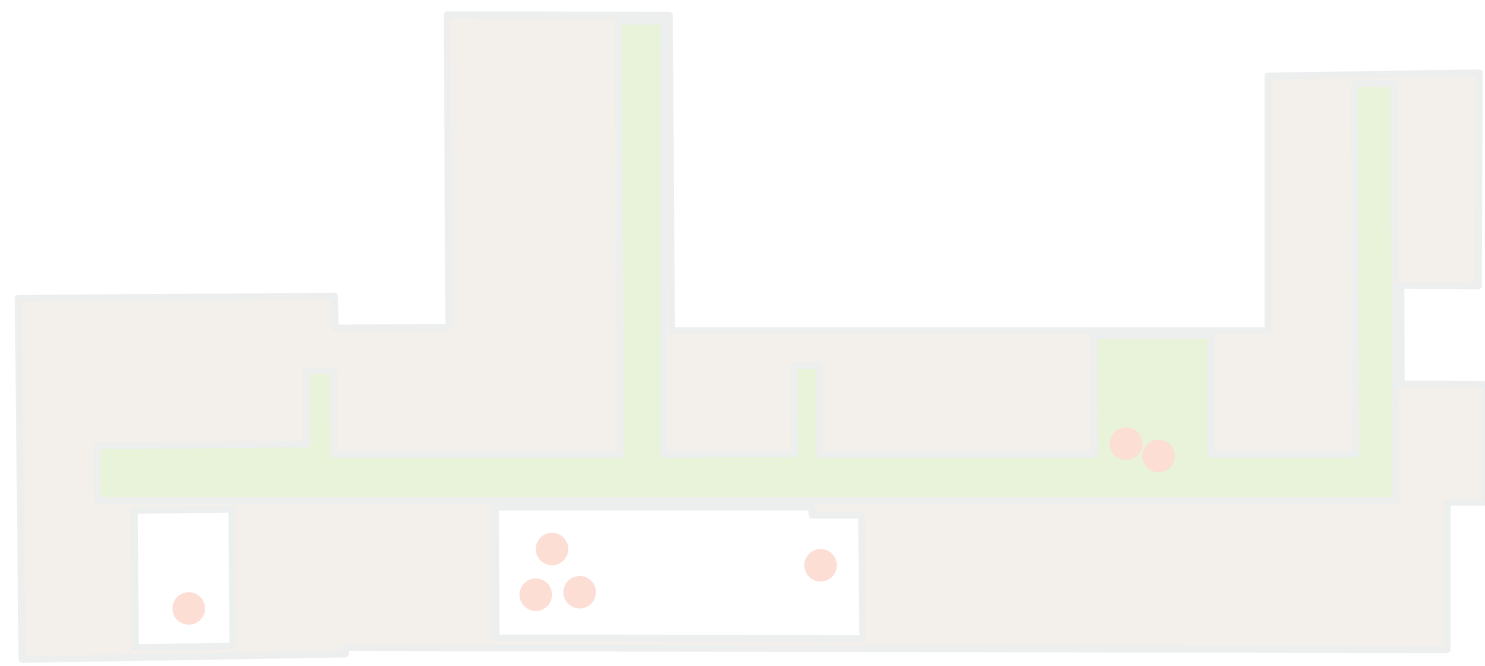
adjust level of privacy & intimacy:  
autonomy



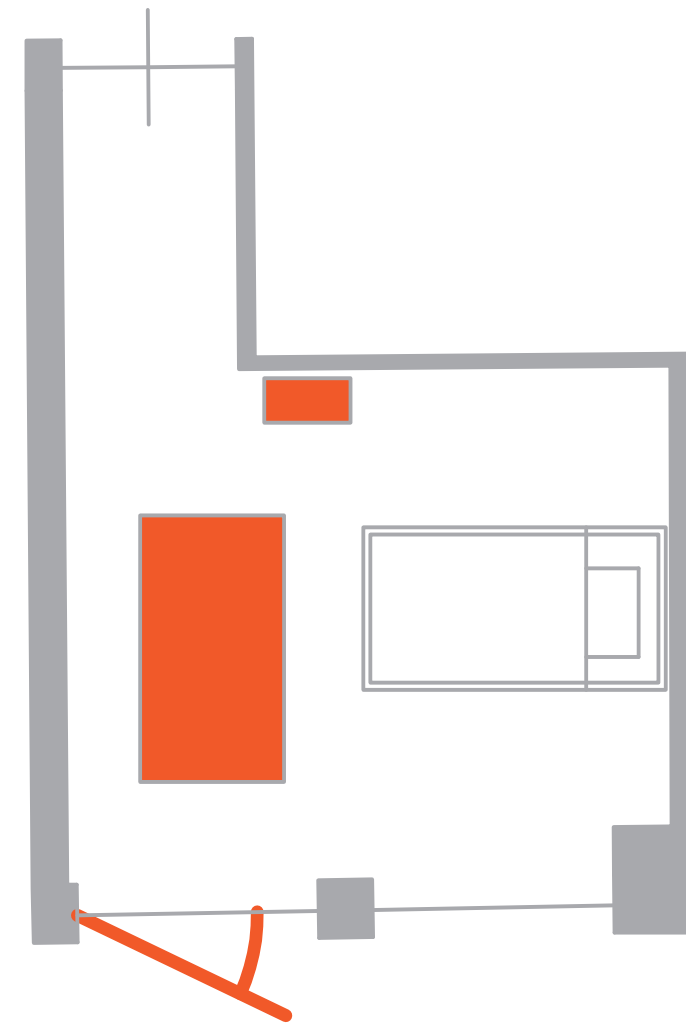
autonomy and control



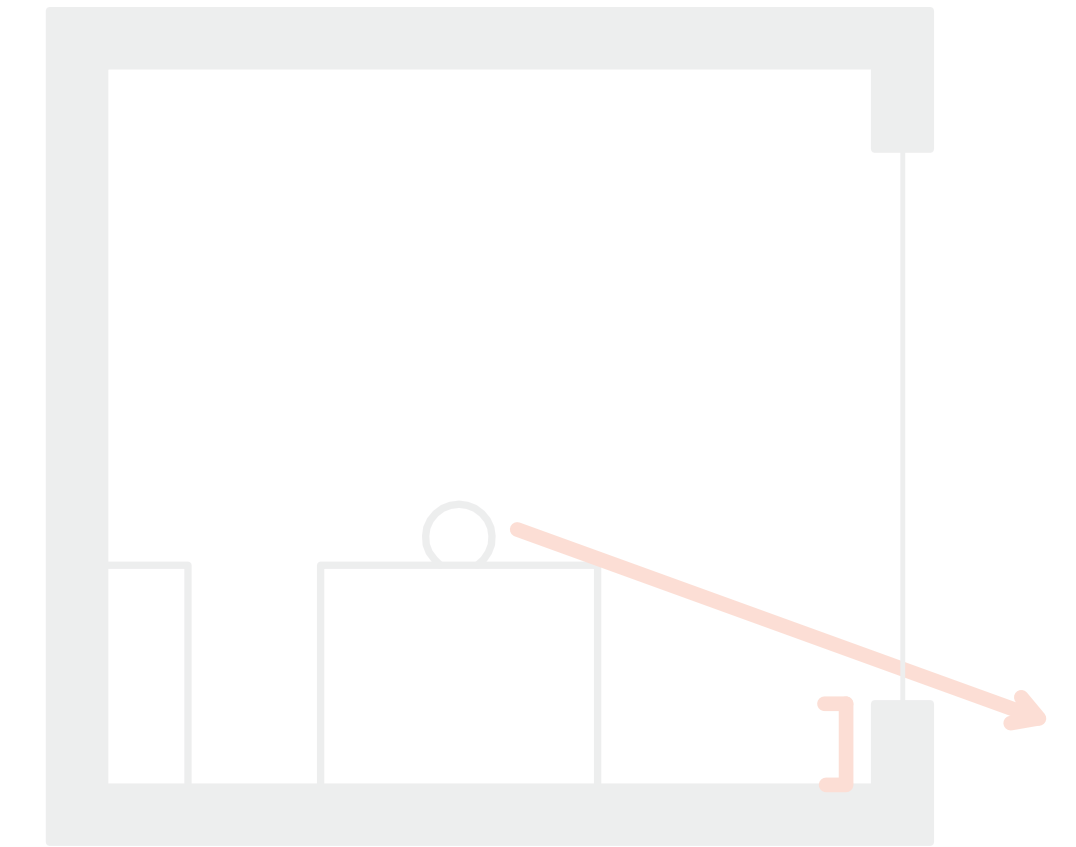
windows and views



levels of privacy



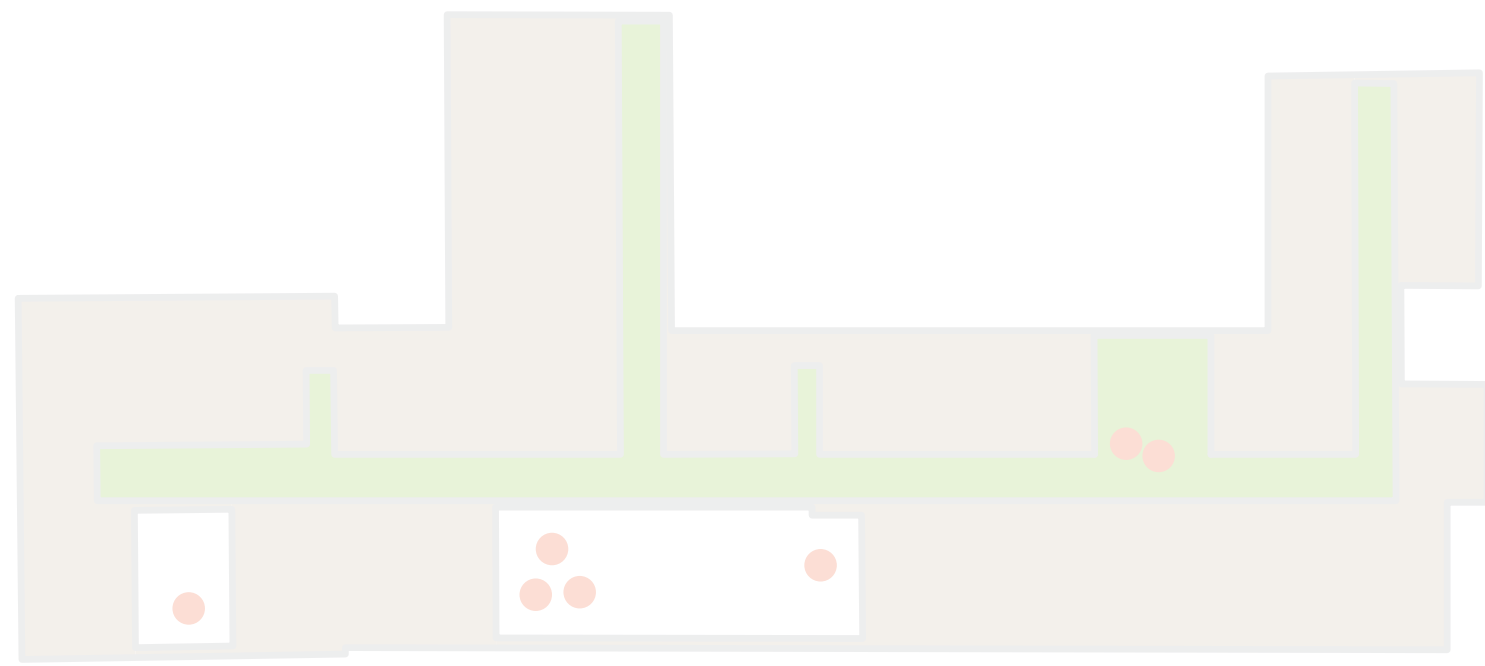
autonomy and control



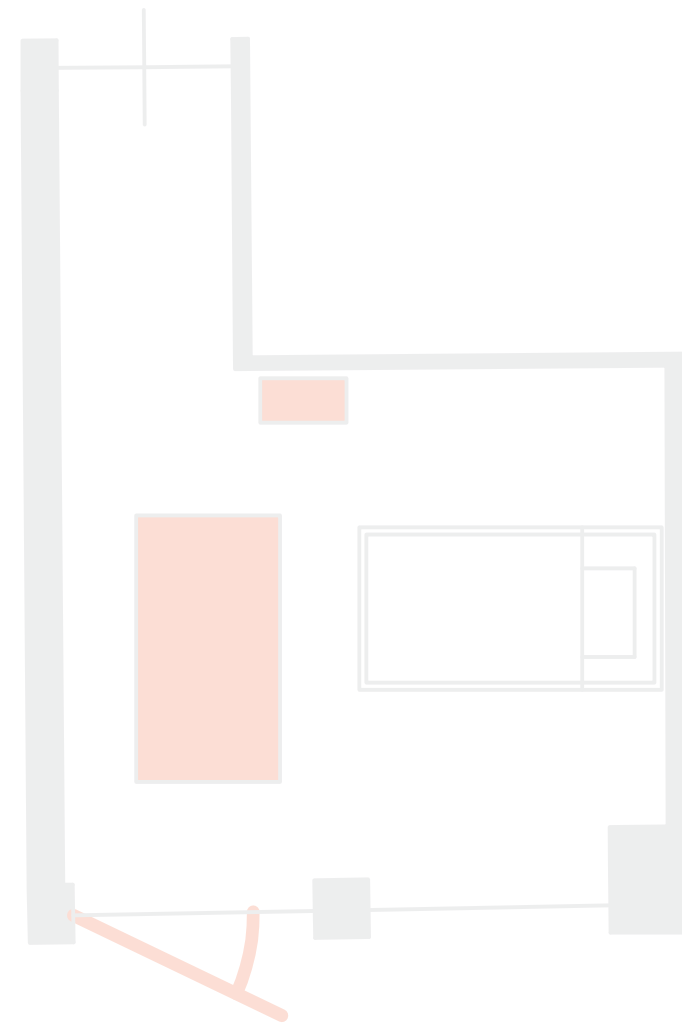
windows and views

bring personal belongings:  
make it your room

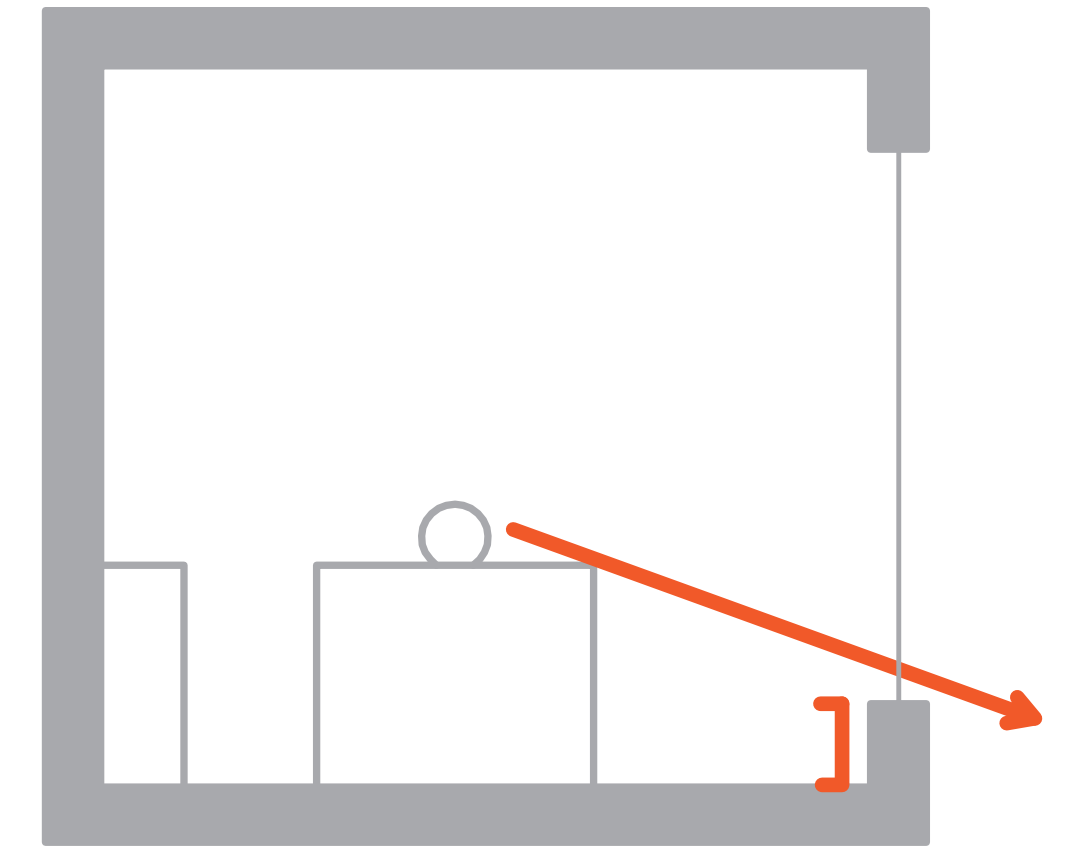
control of windows and heating:  
be in charge



levels of privacy



autonomy and control



windows and views

large windows, bright rooms:  
relation outside

lowered window sills:  
suitable for bedridden patients





Maintain the garden as a world of its own  
Emphasize the diversity in building parts  
Solve organisational problems  
Take intangible aspects into account  
Pay attention to detail and ornament  
Continue the story of care

# De Gracht | Assisted Living

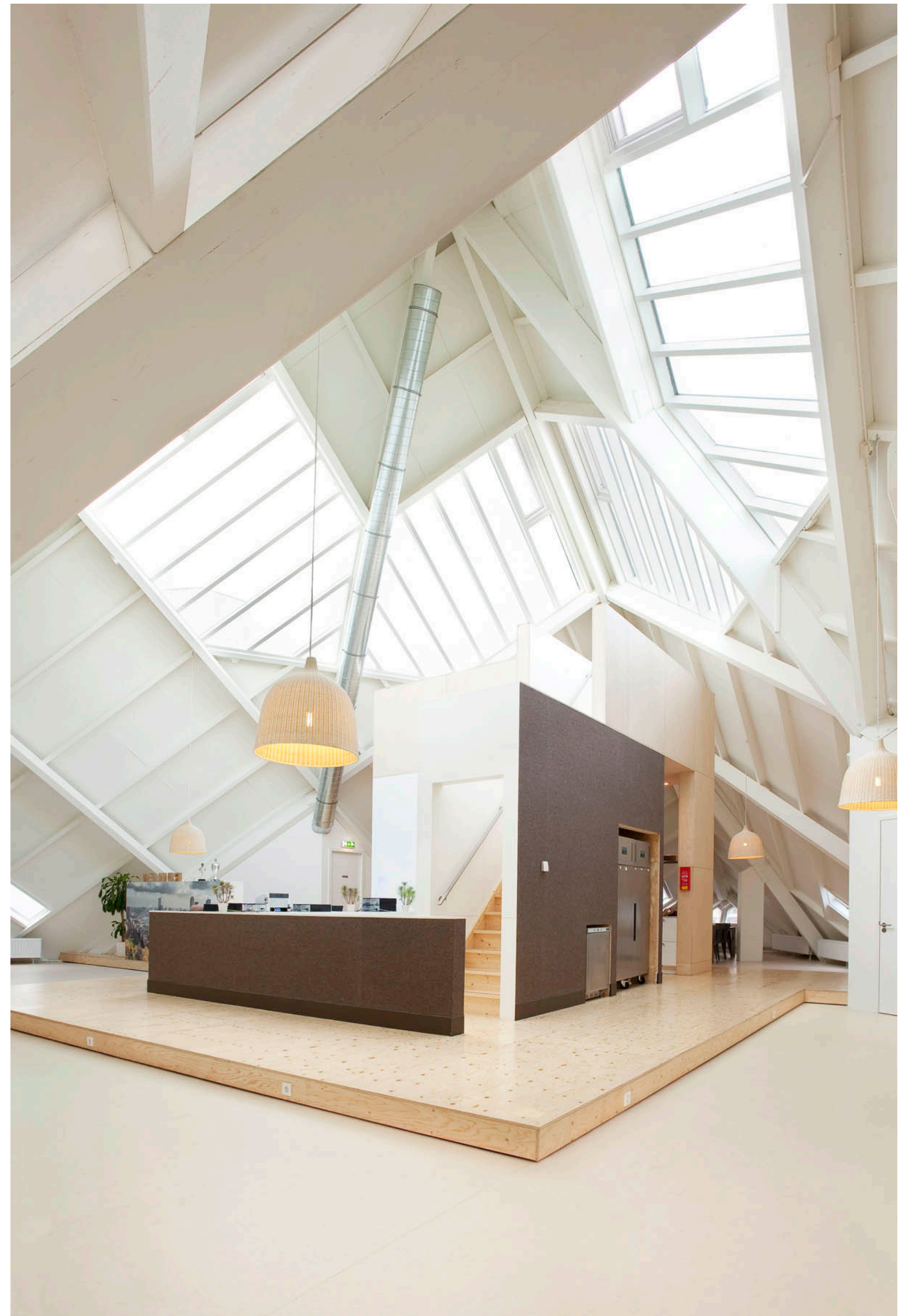
safely re-entering society from a judicial context



ex-detainees homeless addicts evictees



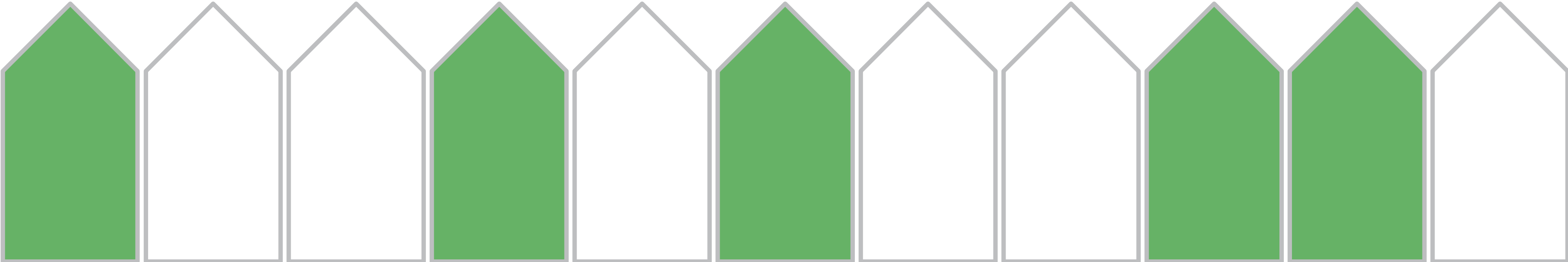




accommodation

income from employment

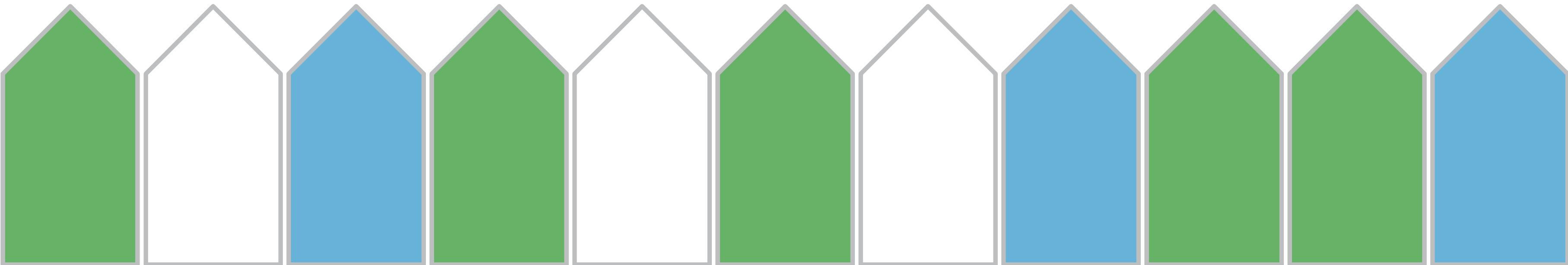
appropriate care



accommodation

income from employment

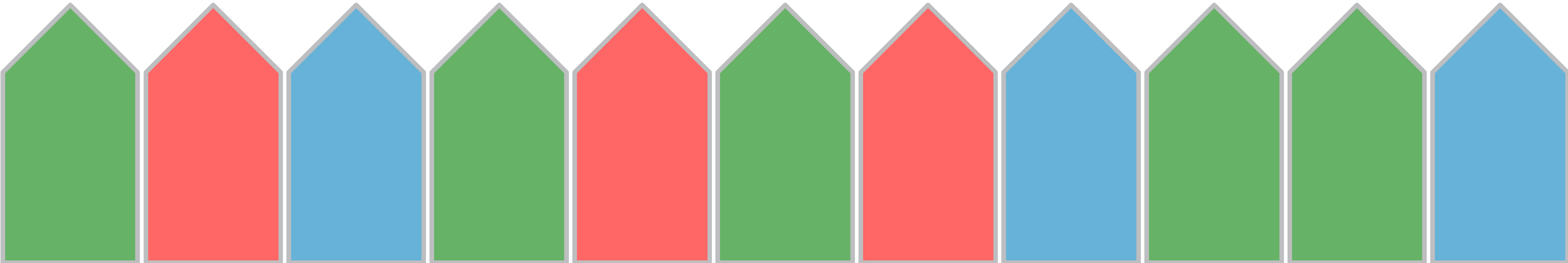
appropriate care



accommodation

income from employment

appropriate care  
medical  
mental health  
addiction

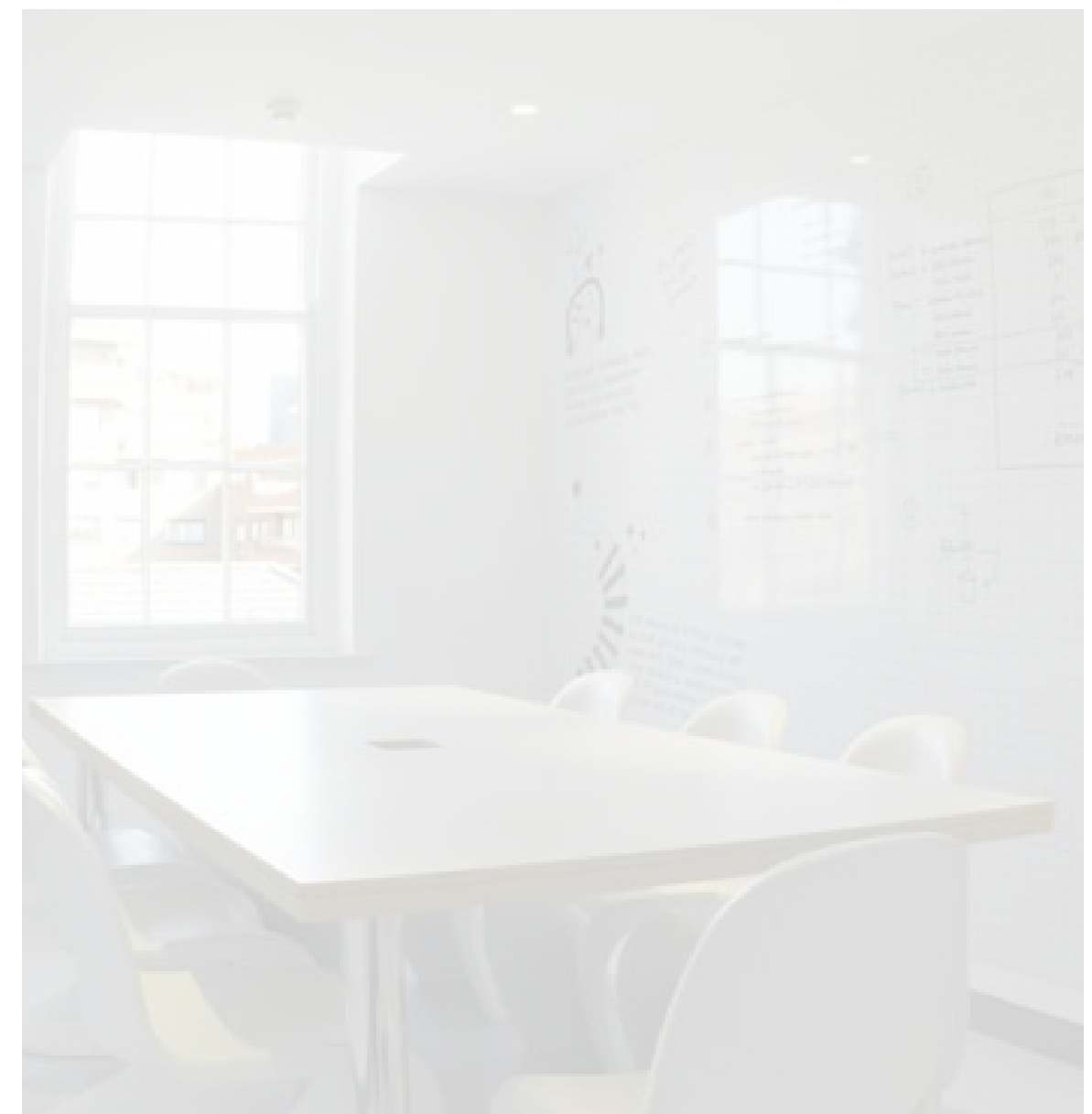


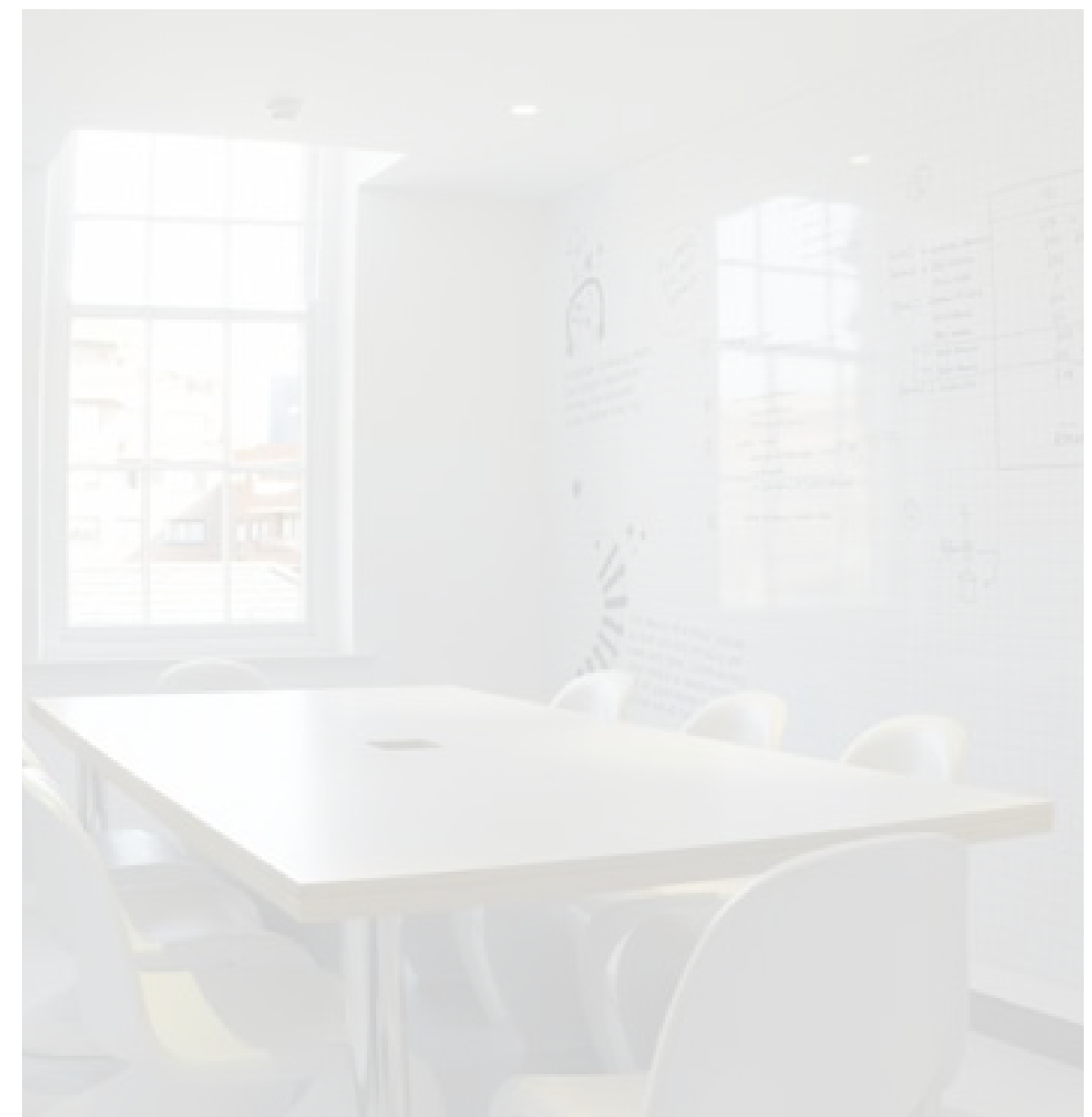
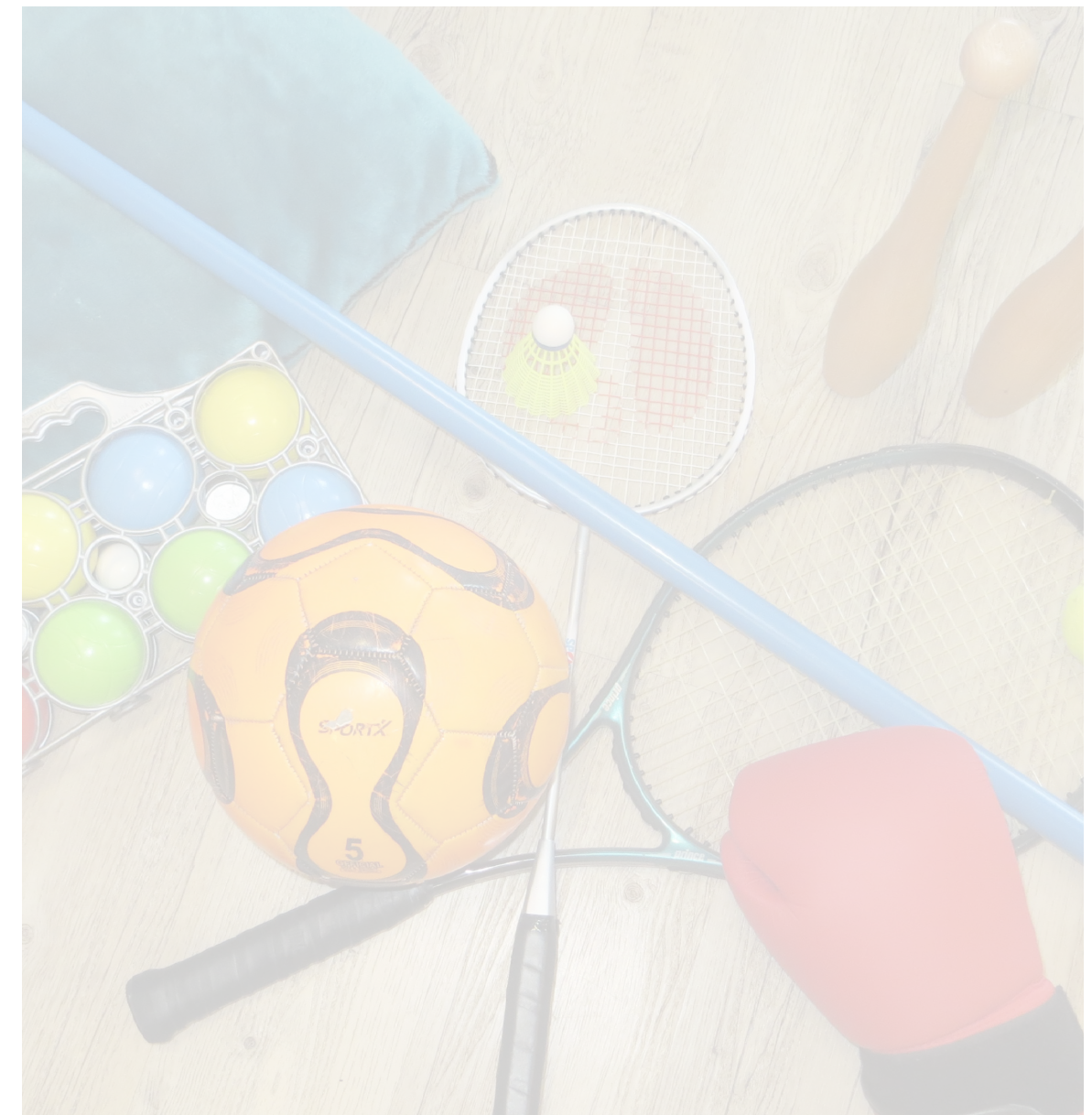
accommodation

income from employment

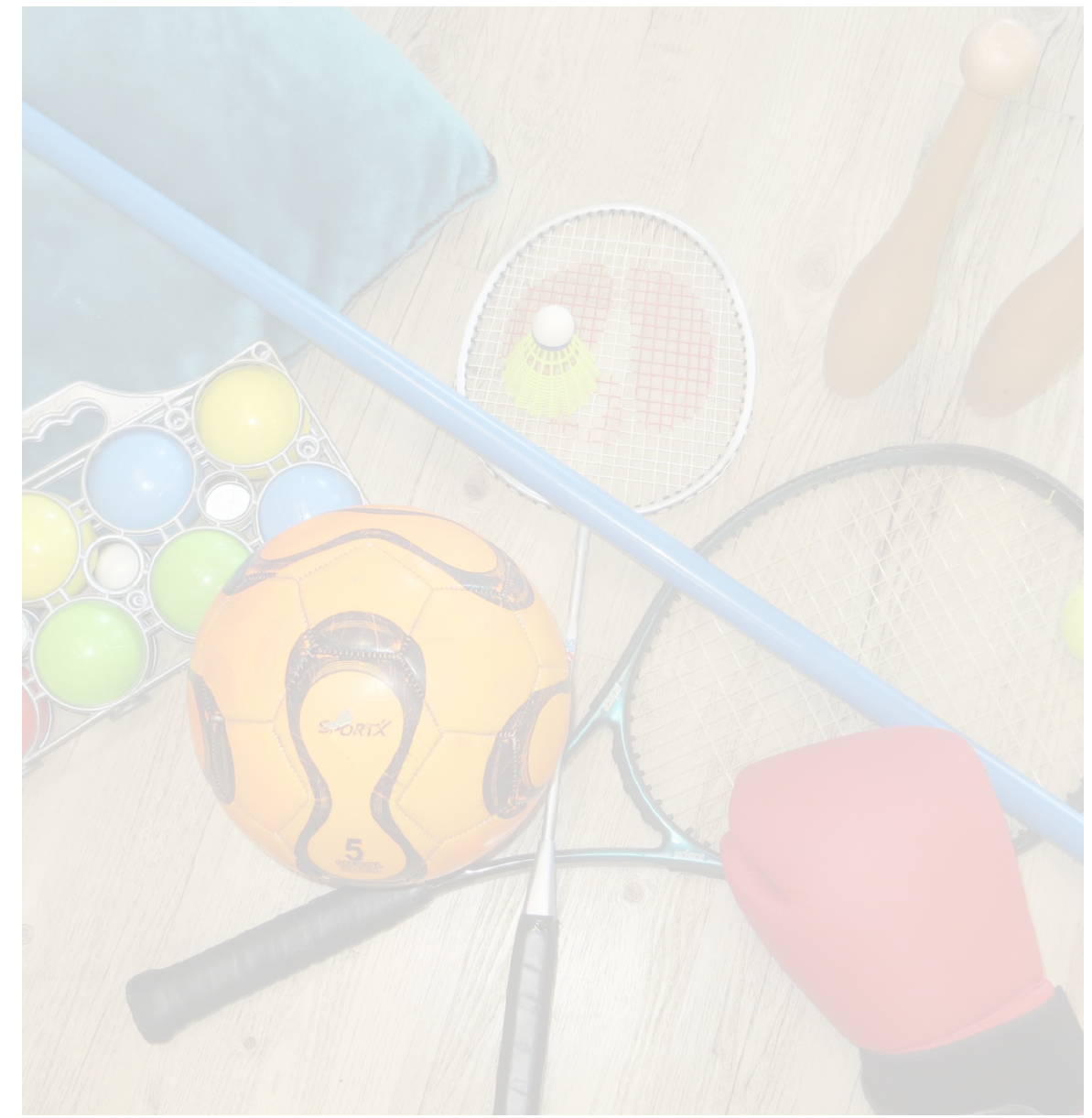
appropriate care  
medical  
mental health  
addiction









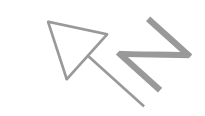
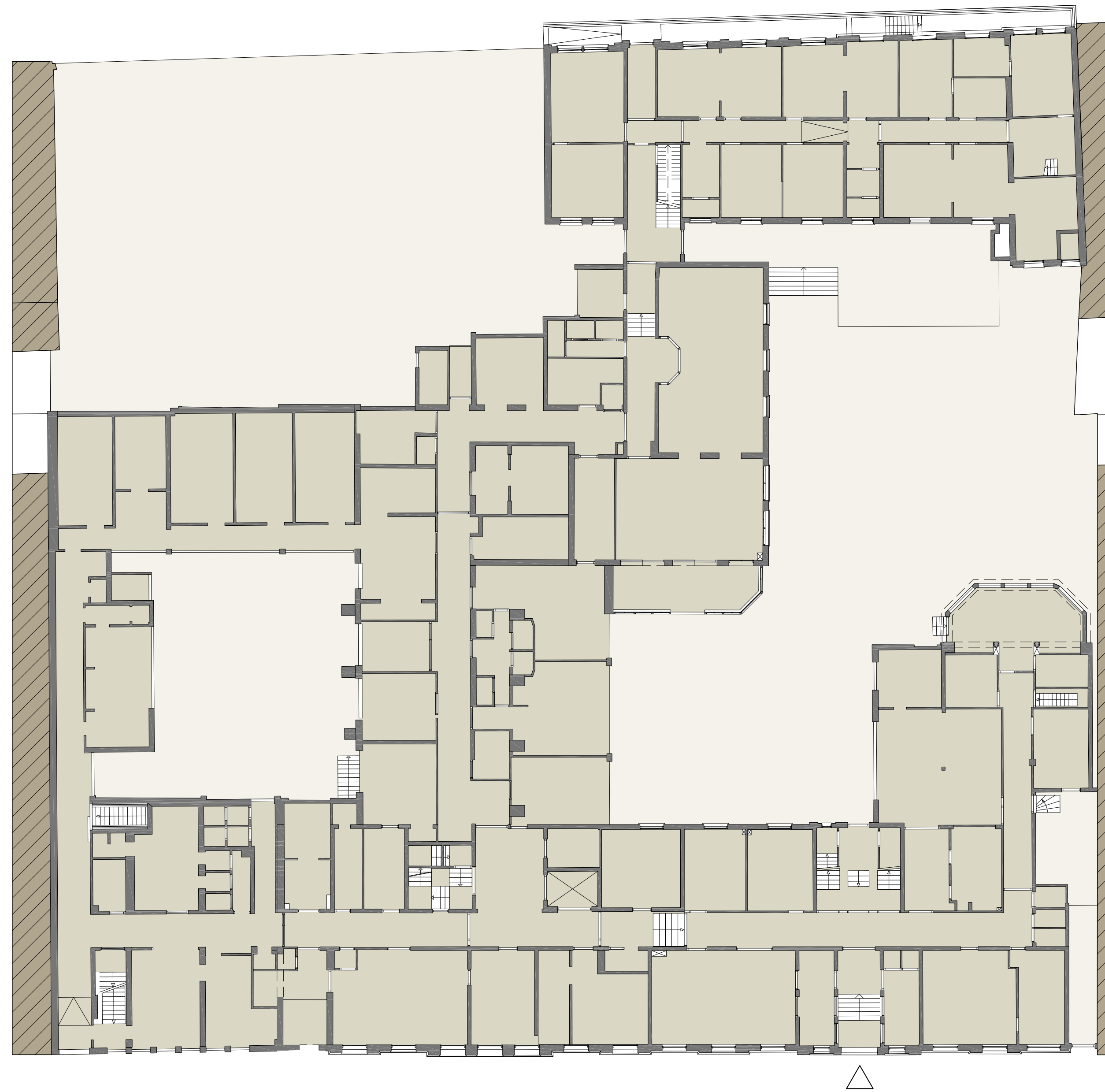


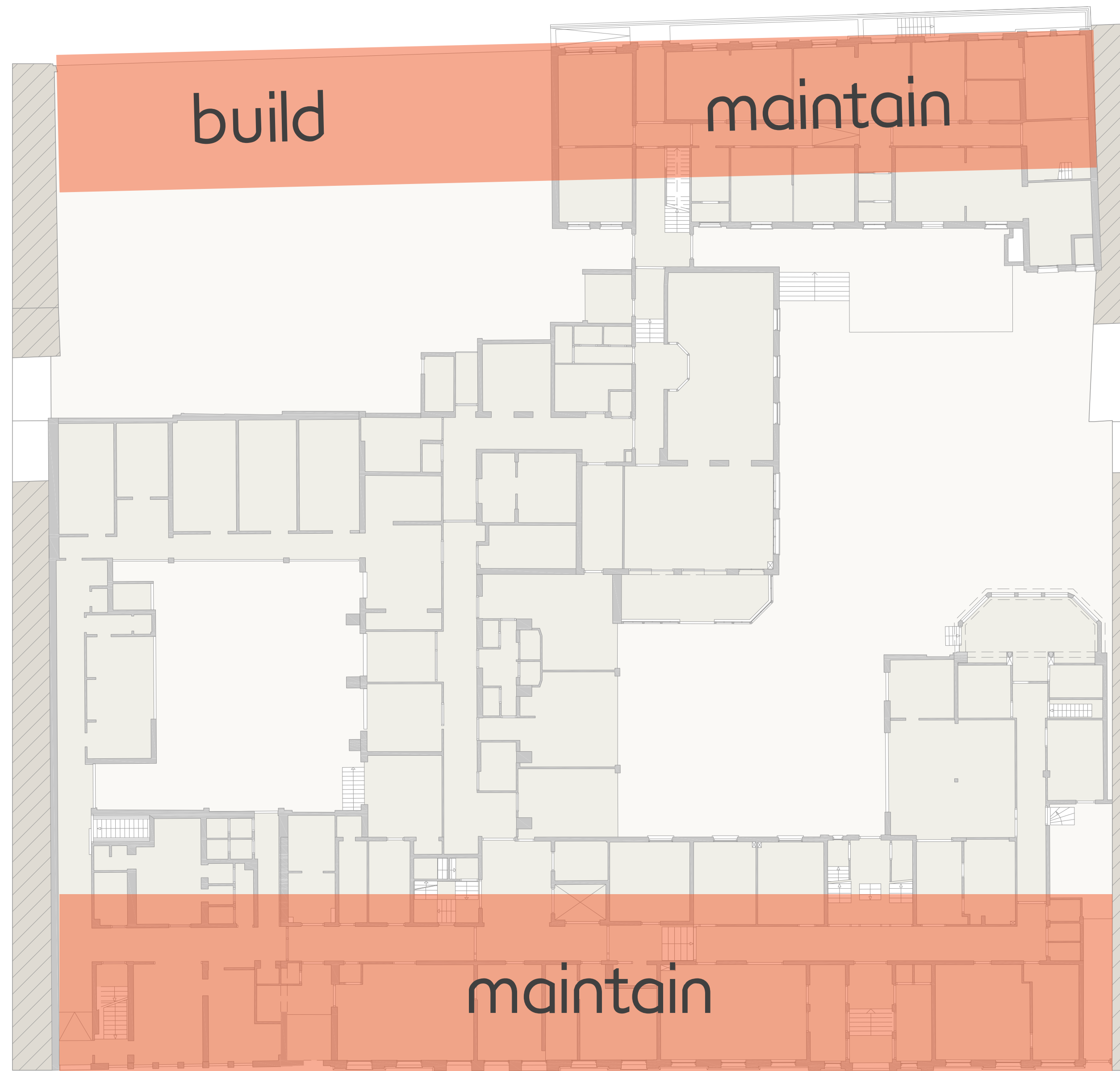
# 'De Gracht' as a society of its own

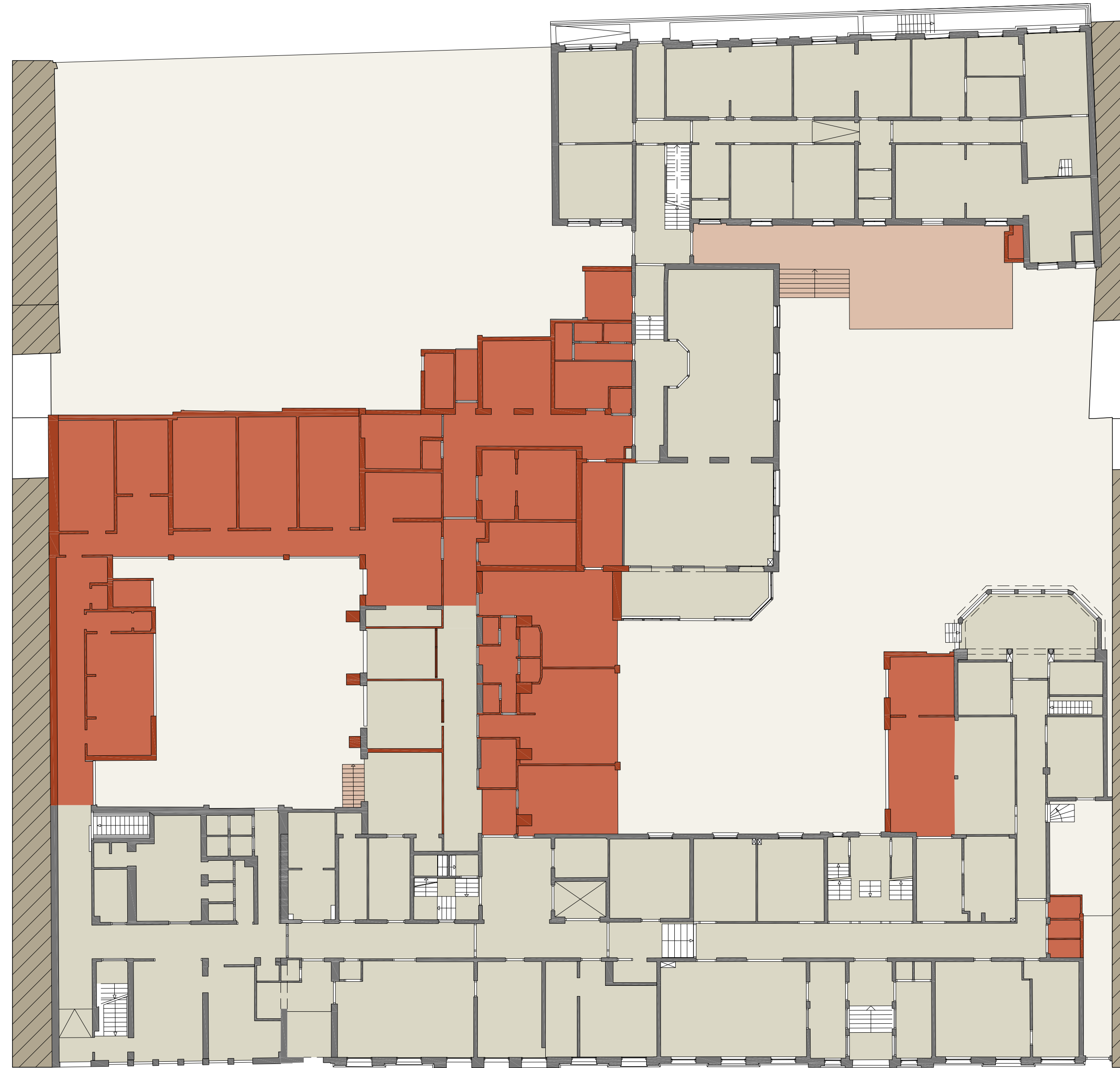
Maintain the garden as a world of its own  
Emphasize the diversity in building parts  
Solve organisational problems  
Take intangible aspects into account  
Pay attention to detail and ornament  
Continue the story of care

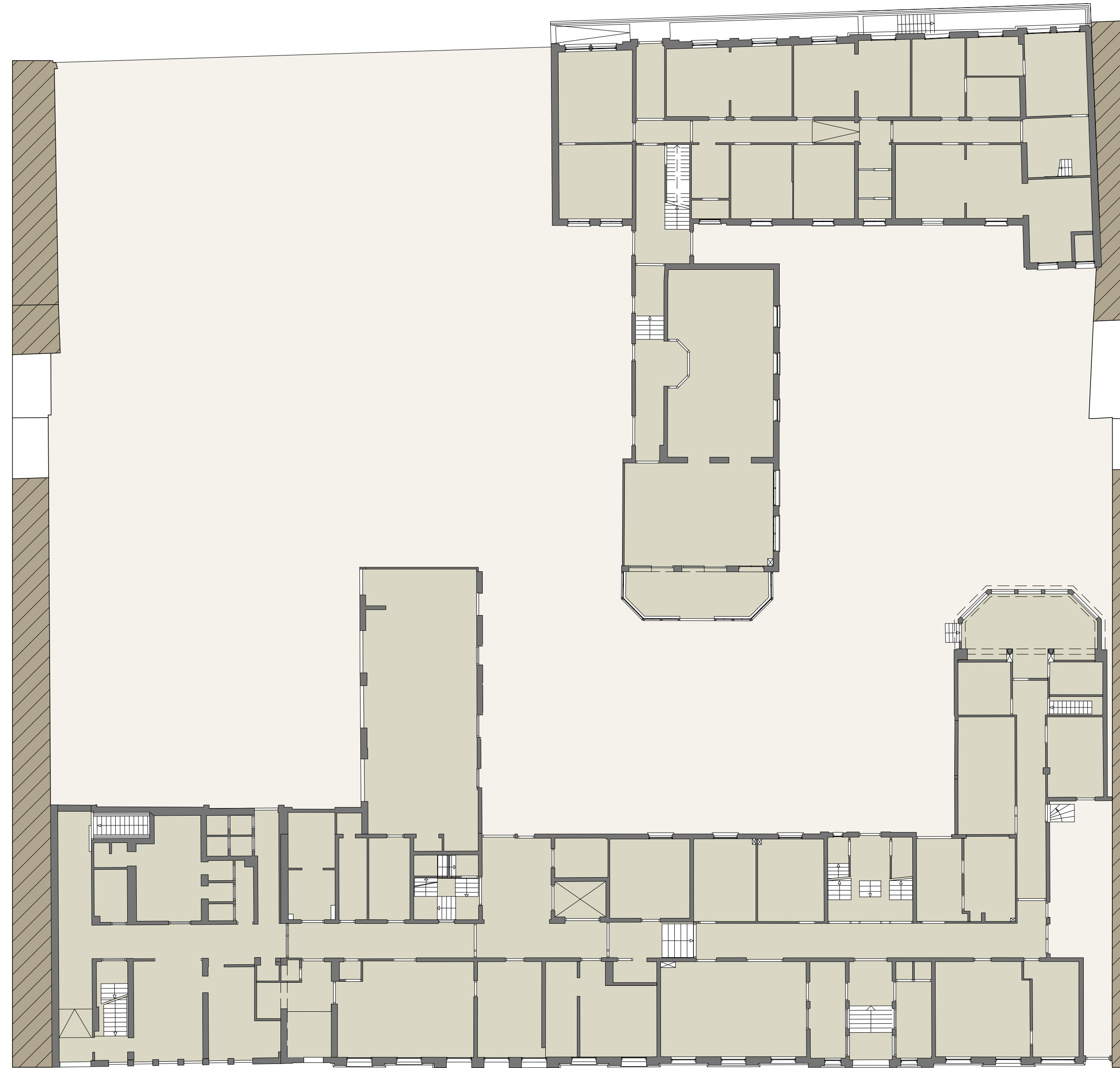
Make use of the existing qualities on the site

Aim of the interventions is to enhance the experience of those qualities

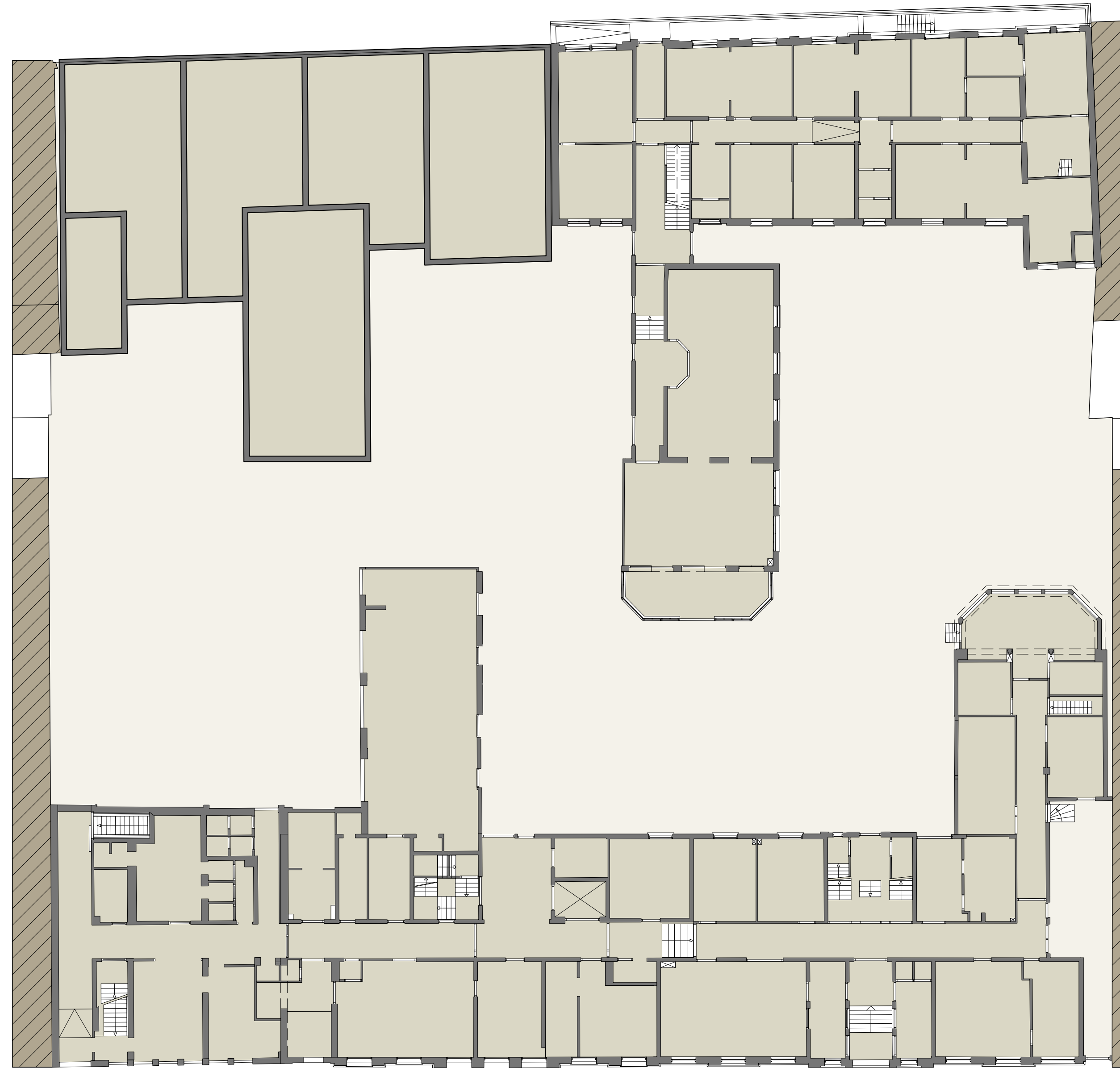


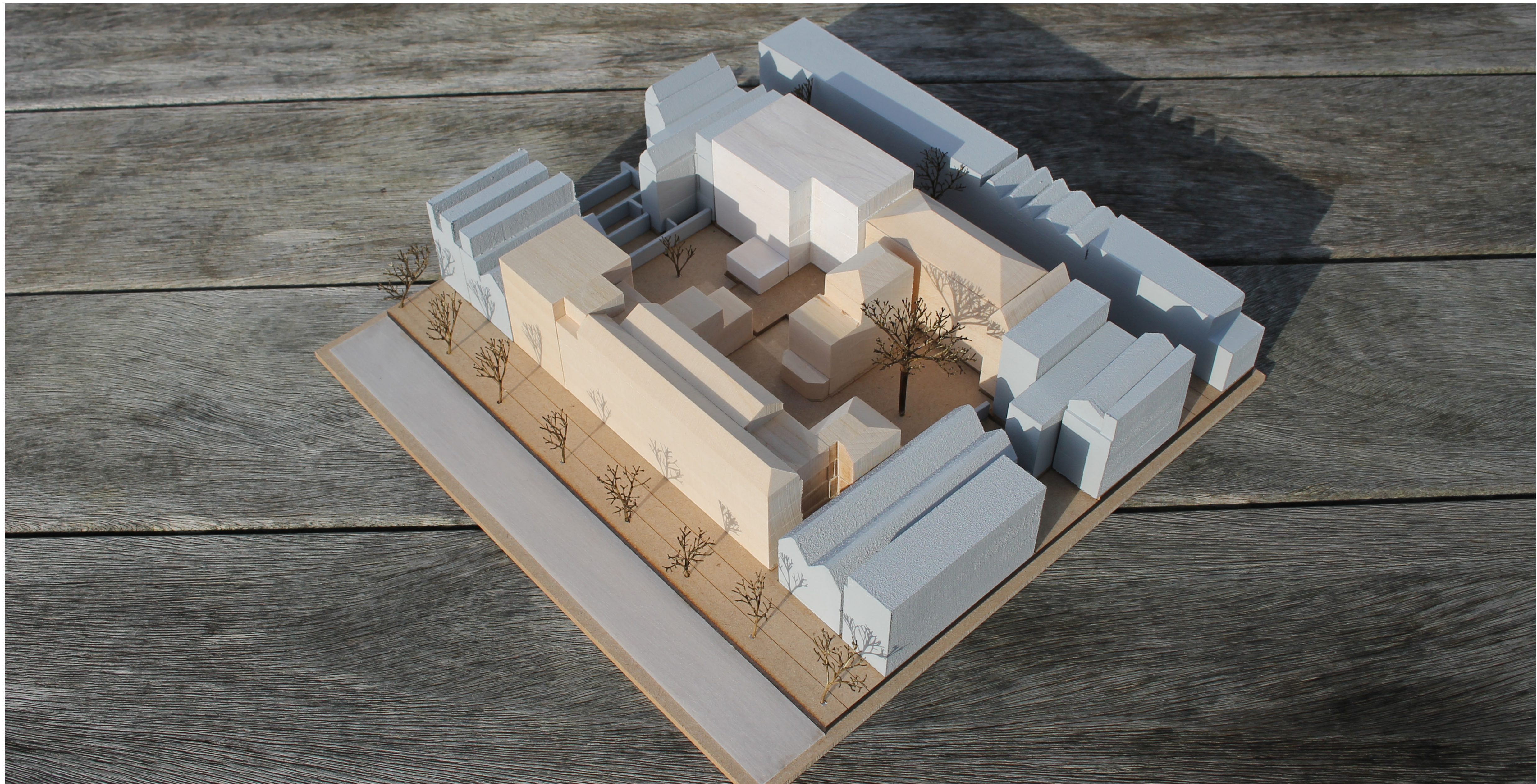




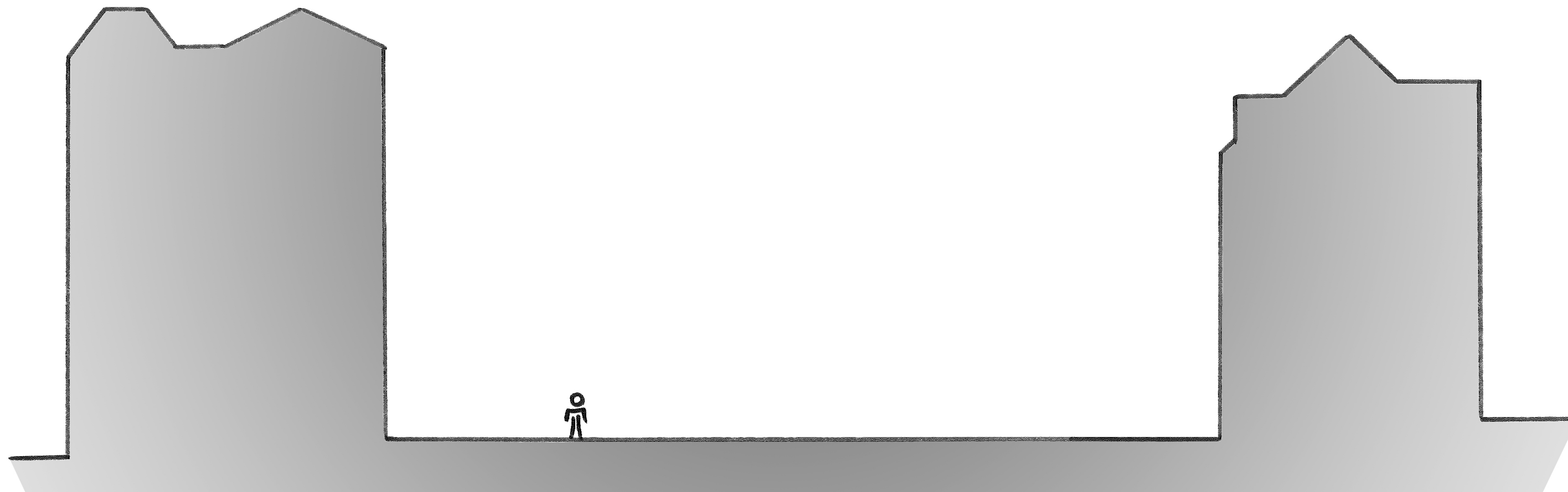


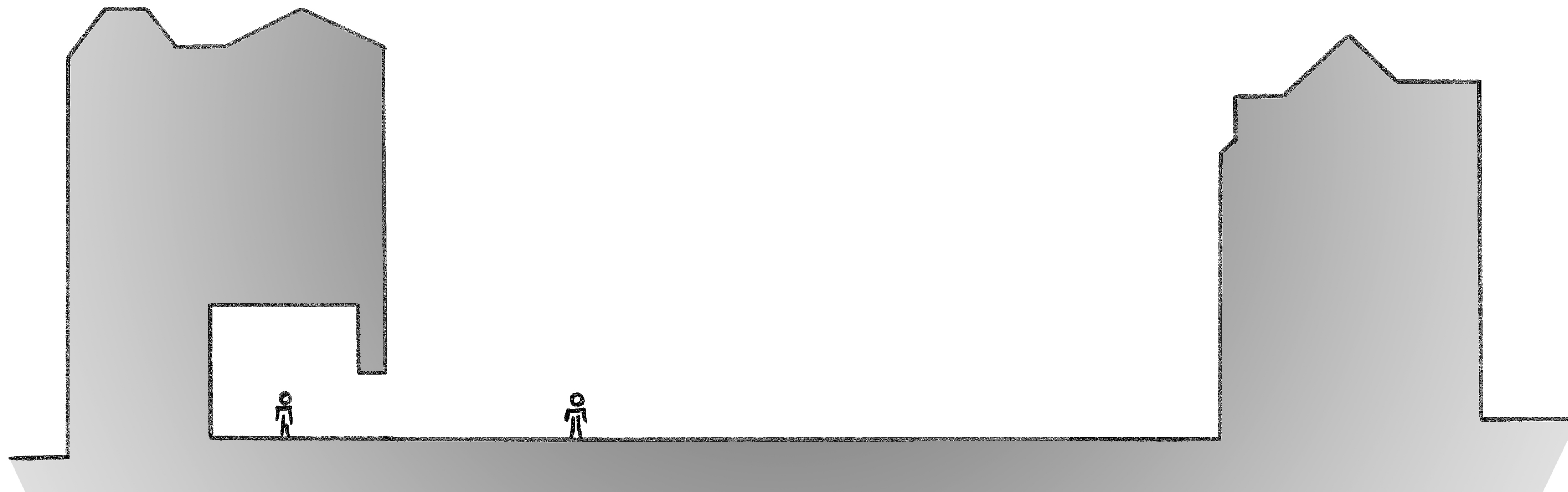


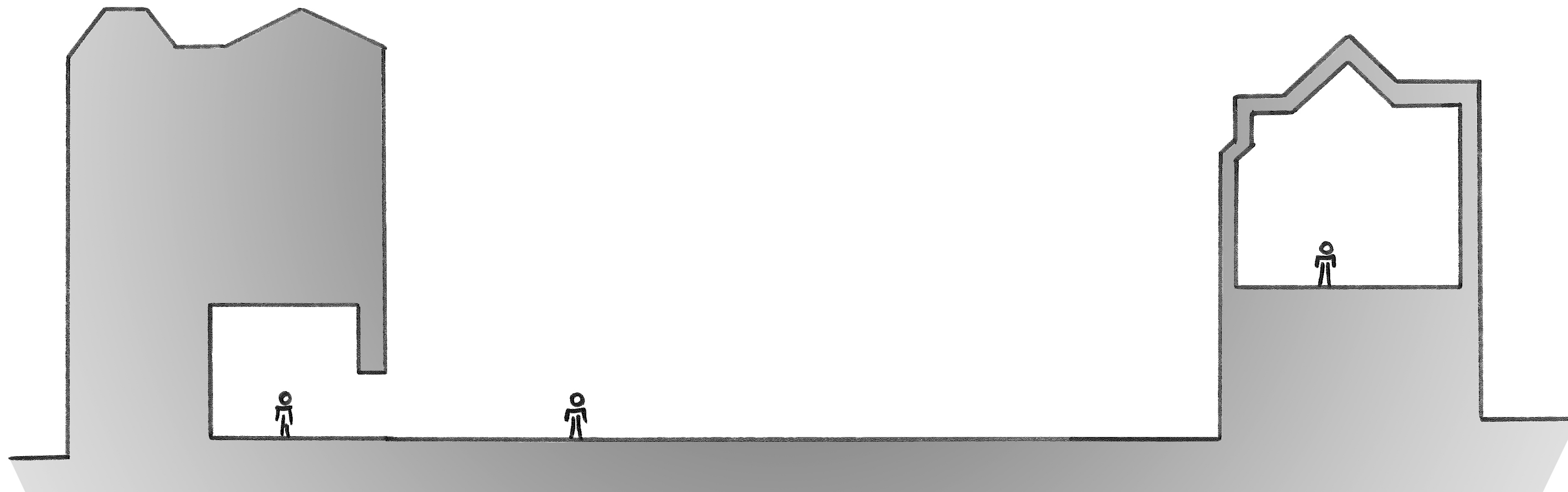












# How is the complex organised?



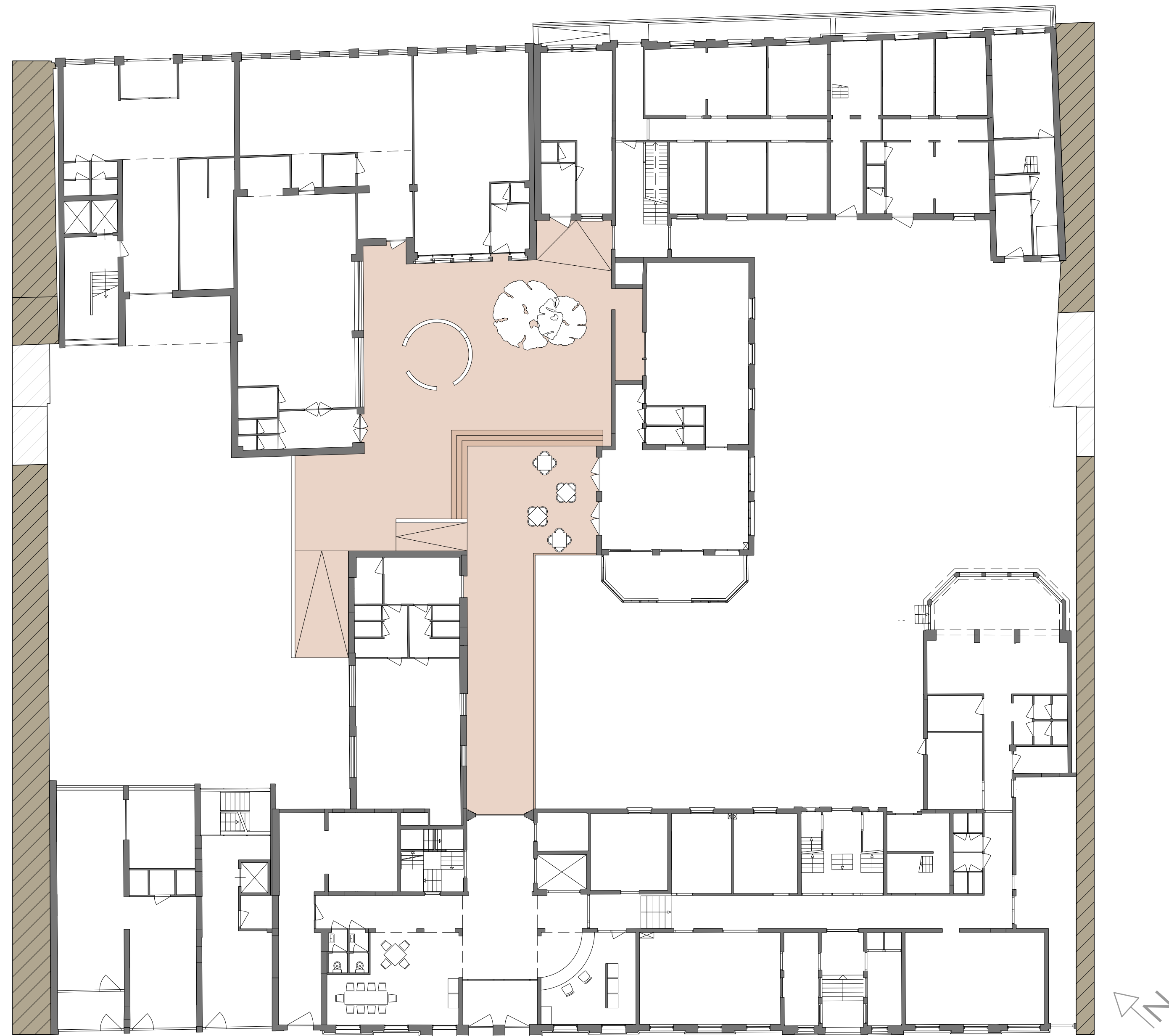


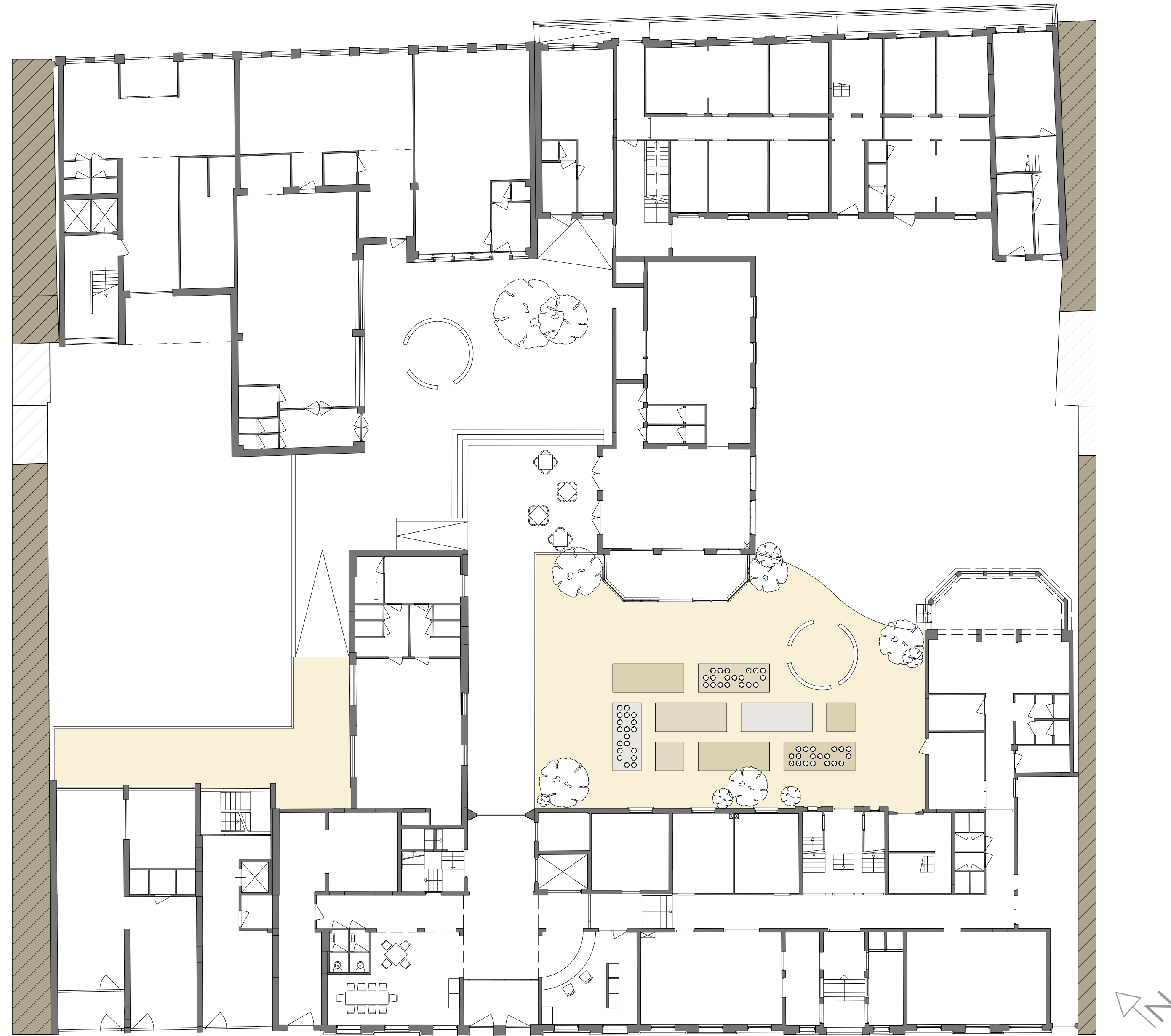


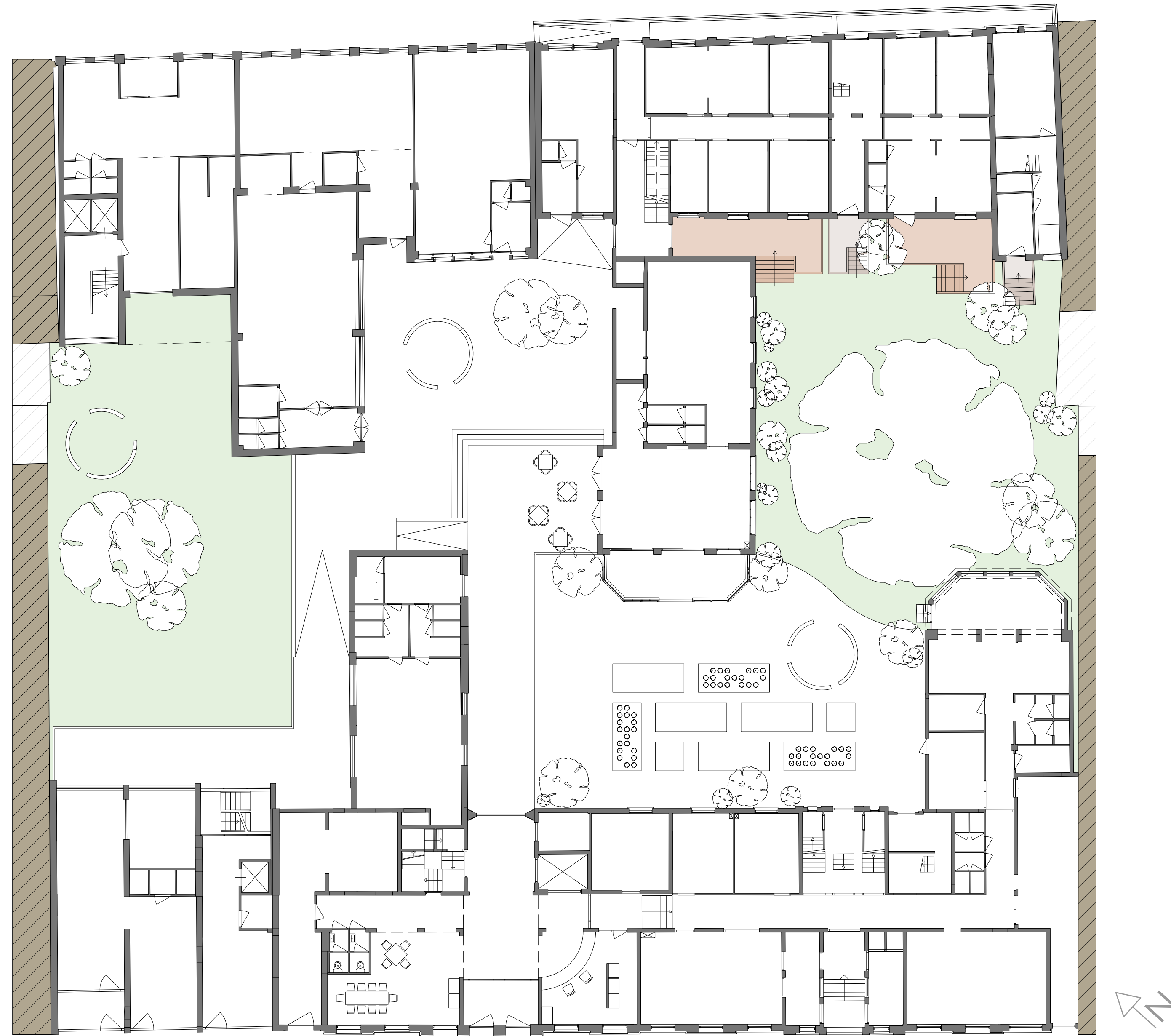










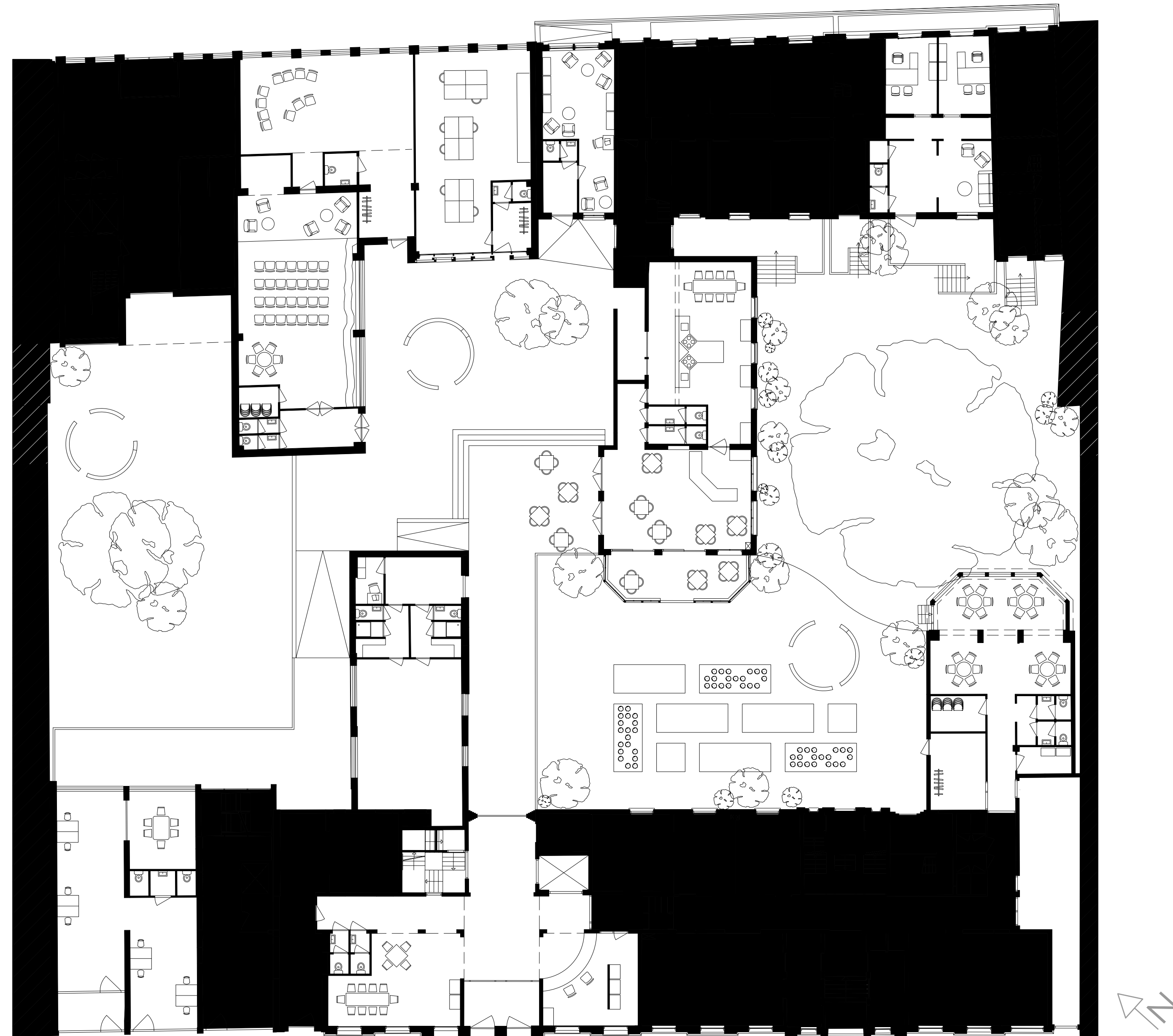
















How is the complex experienced?



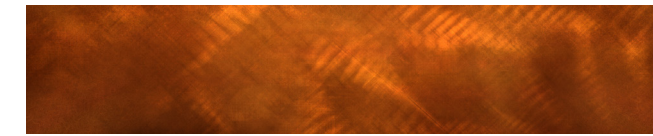
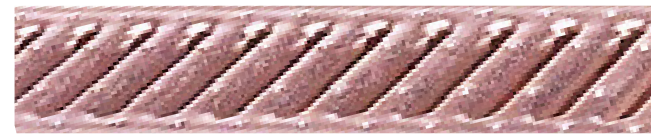




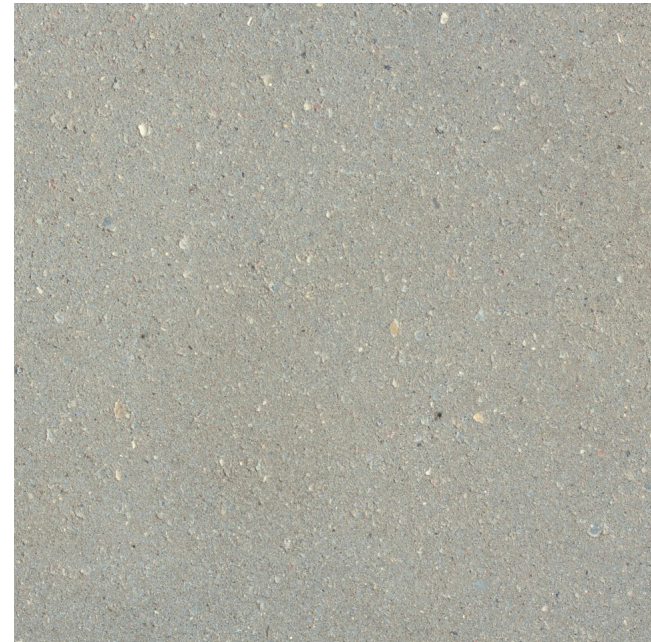
lingering



border



movement



square

active garden

quiet garden

roof and terrace

facade

more public



more private

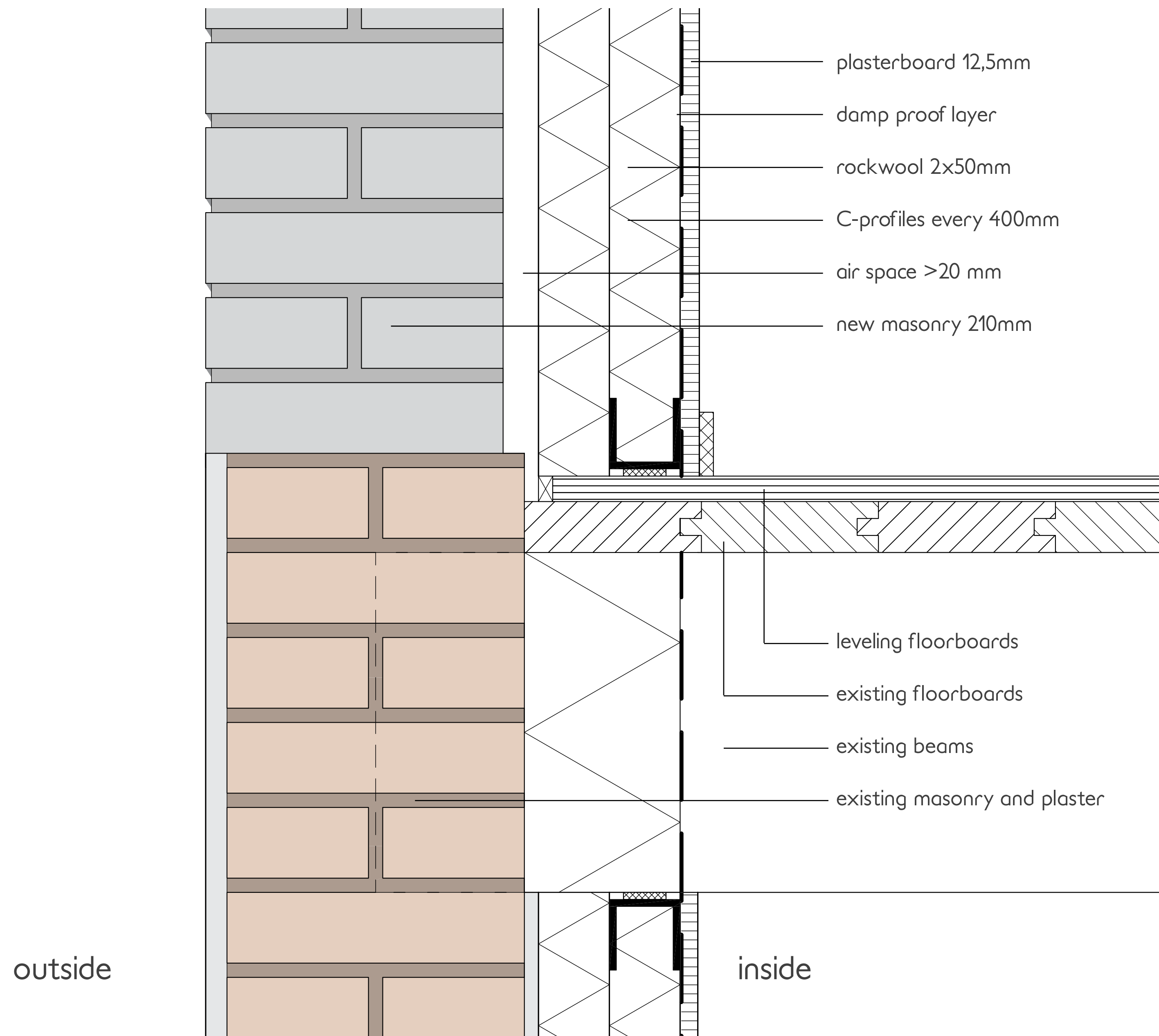


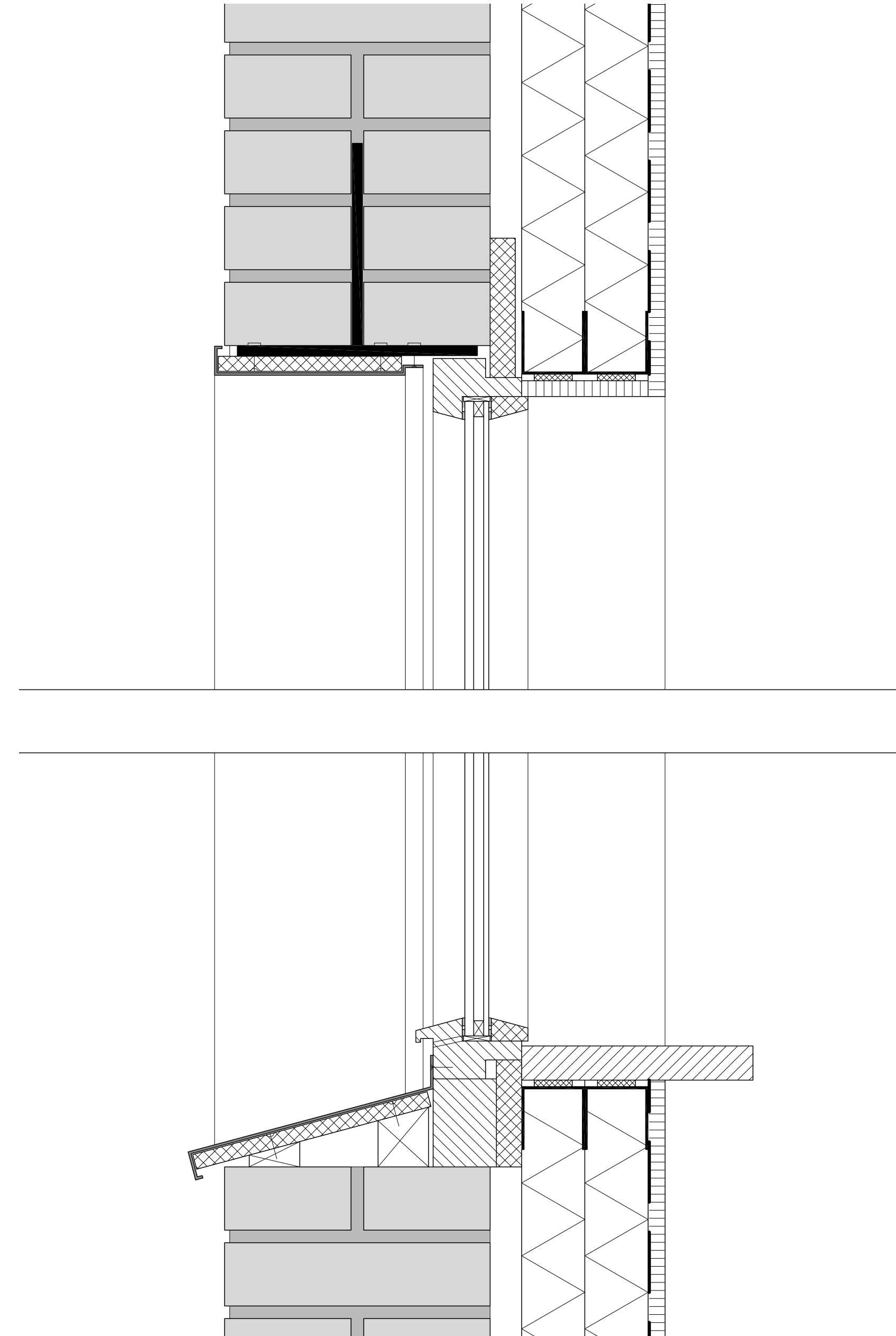








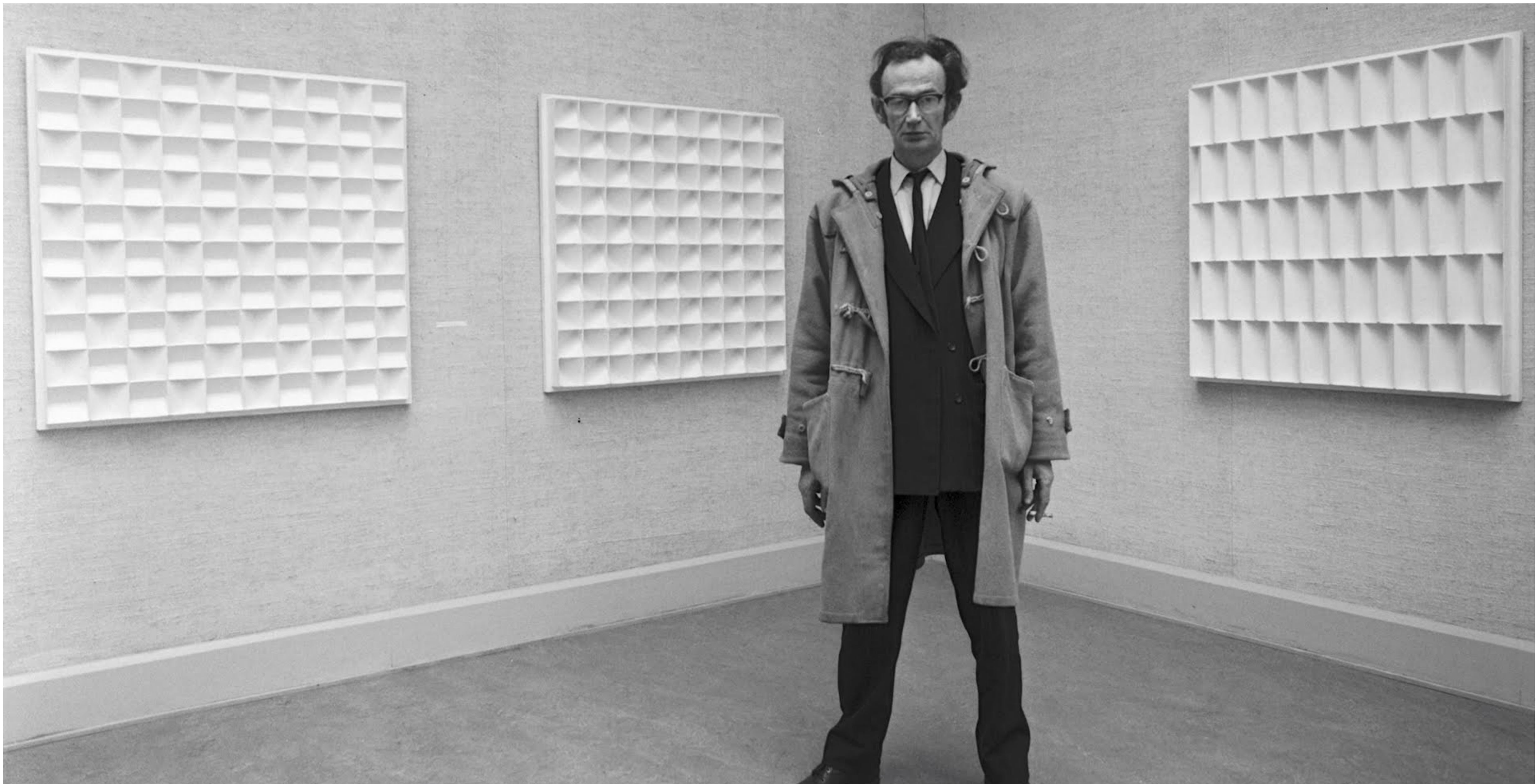


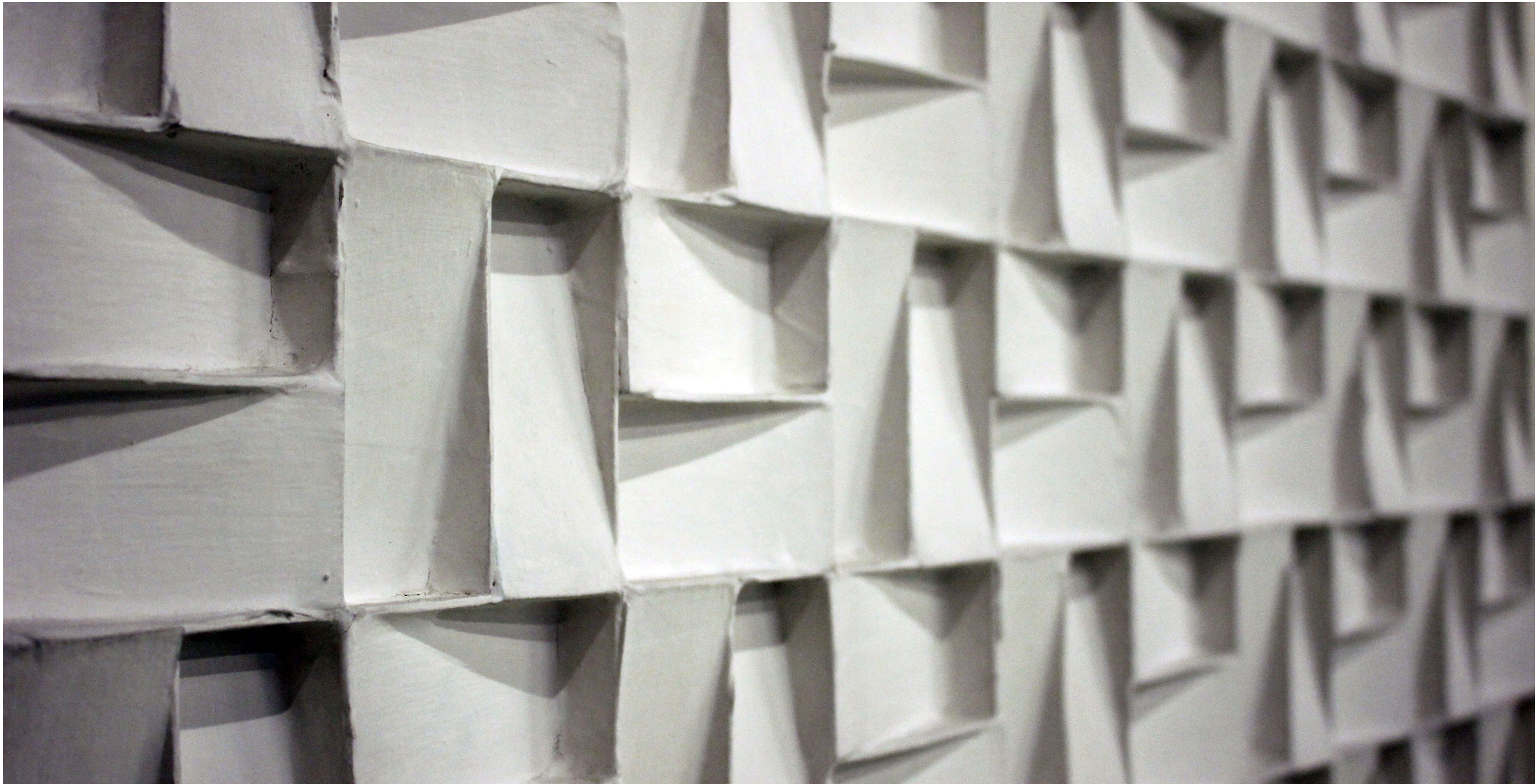




# Shared spaces: from white plane to ornament

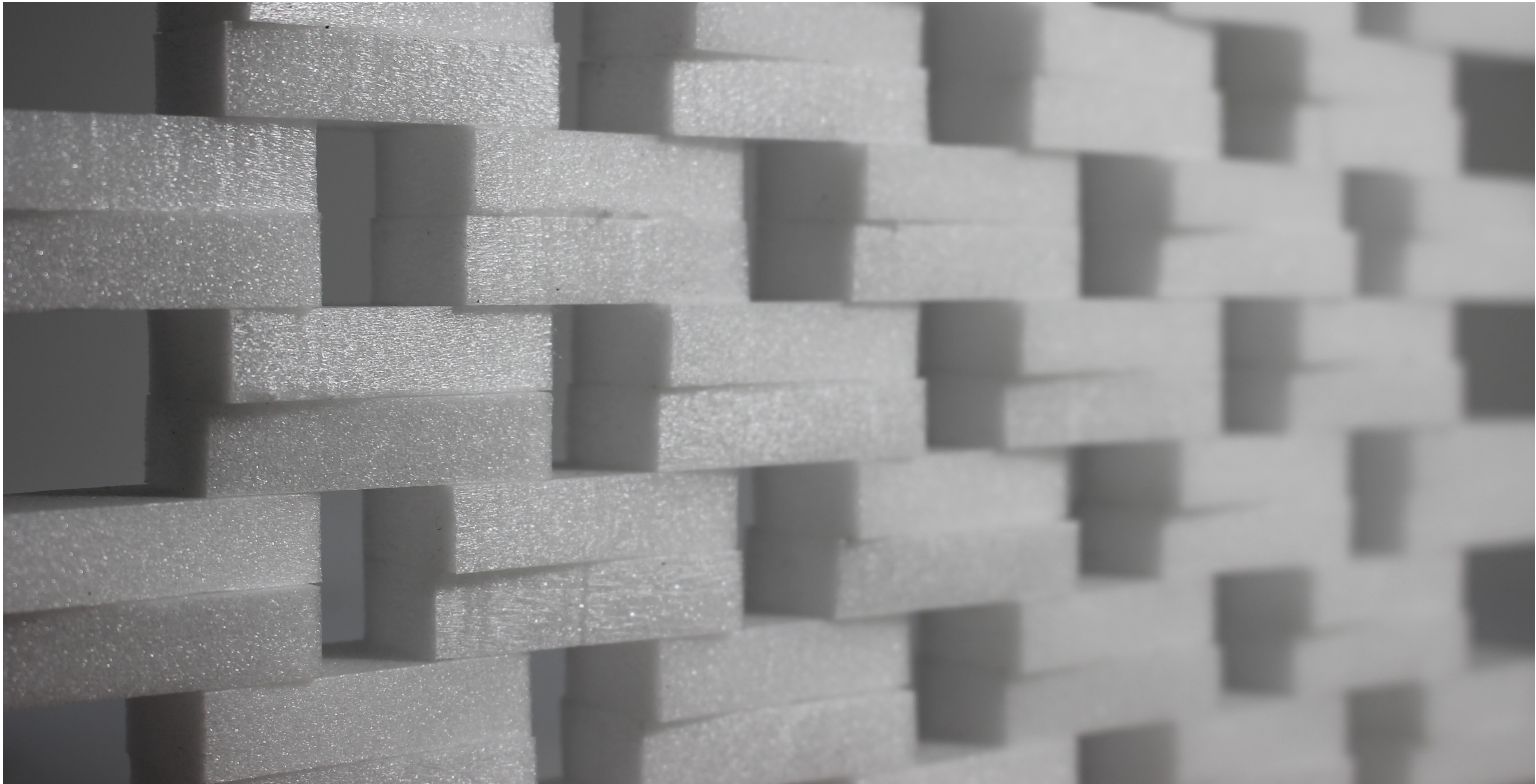


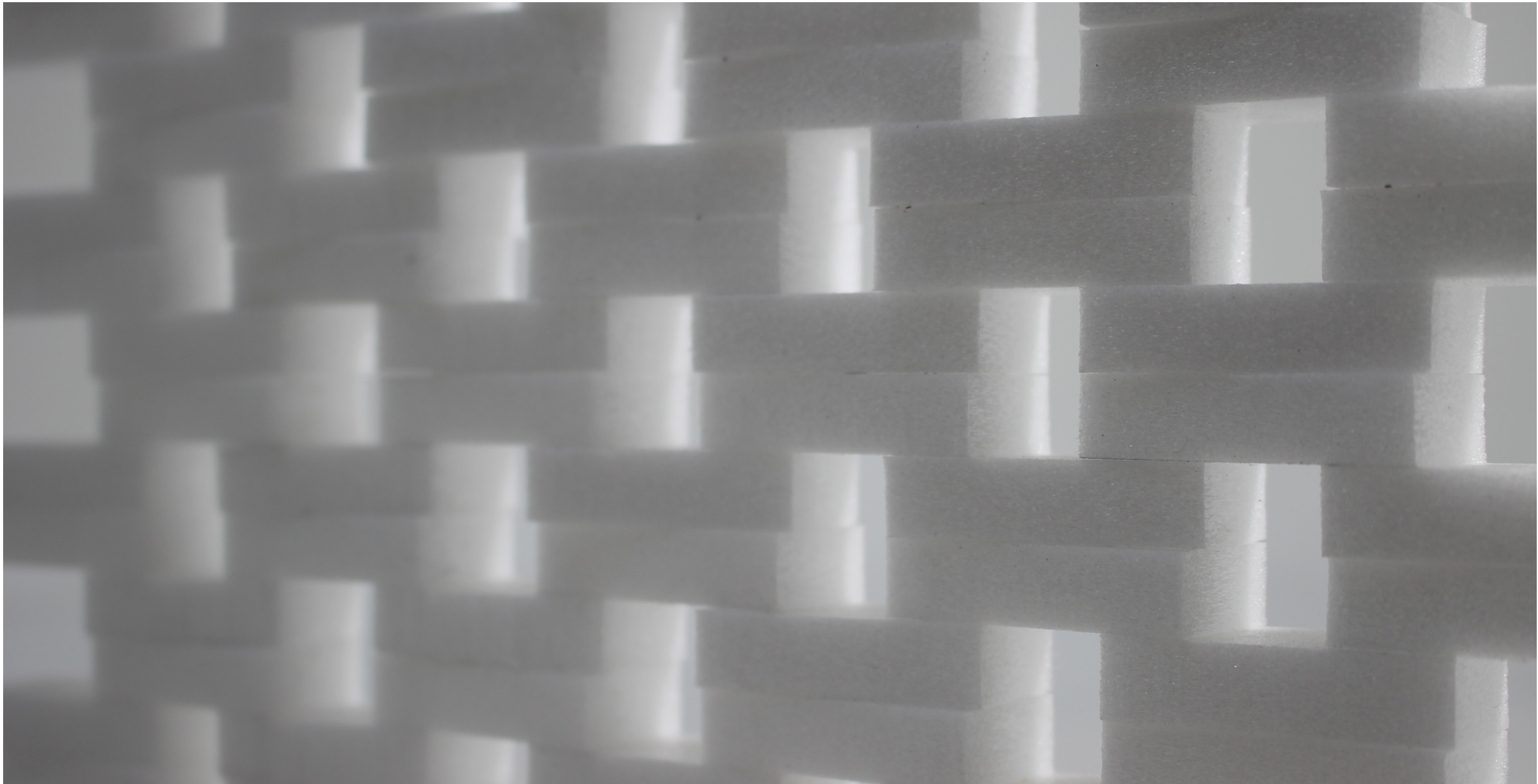




We wilden een kunst die iedereen kon begrijpen.  
Zonder hiërarchie maar met ordening.  
We wilden ze alleen maar laten kijken.





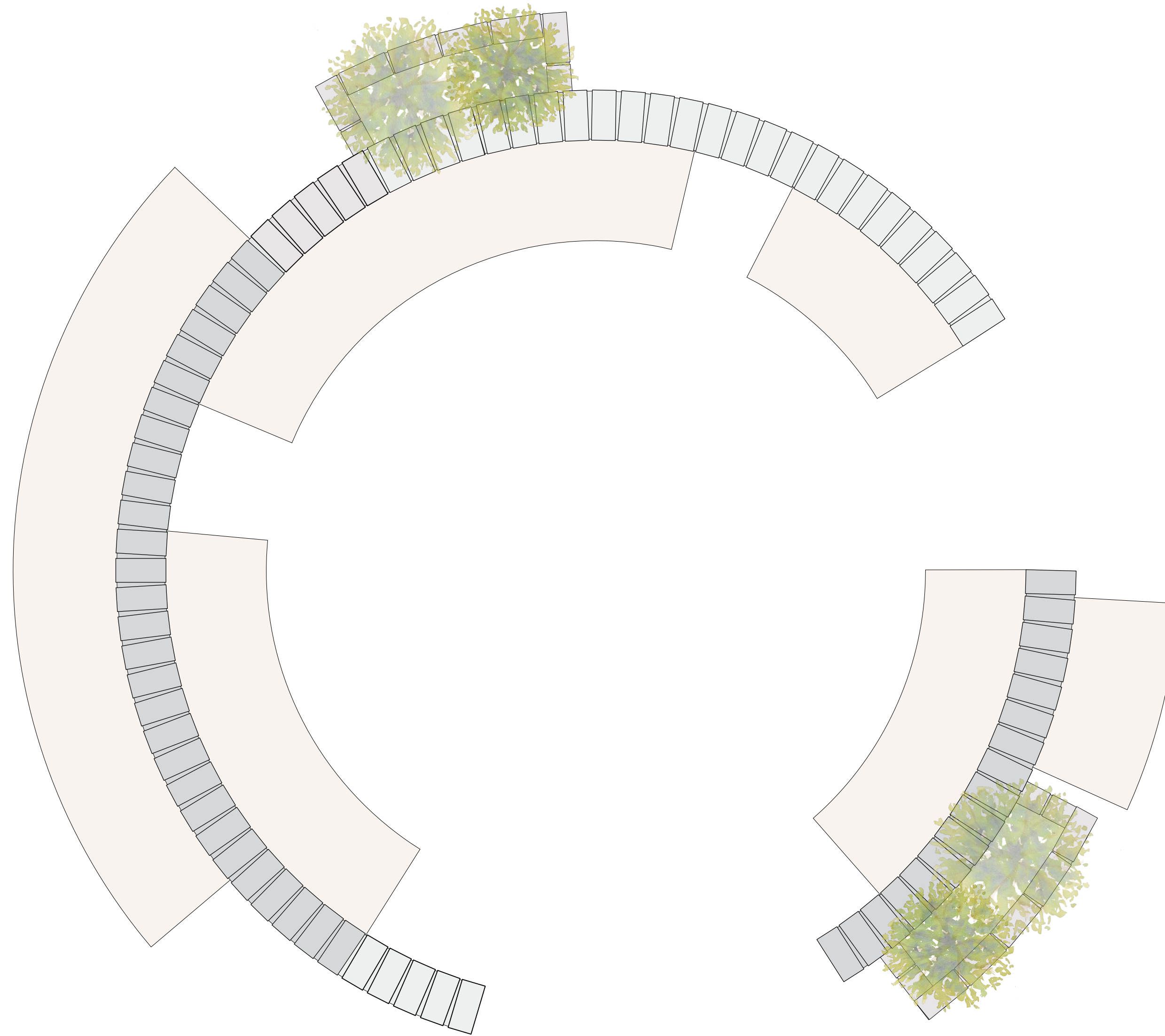


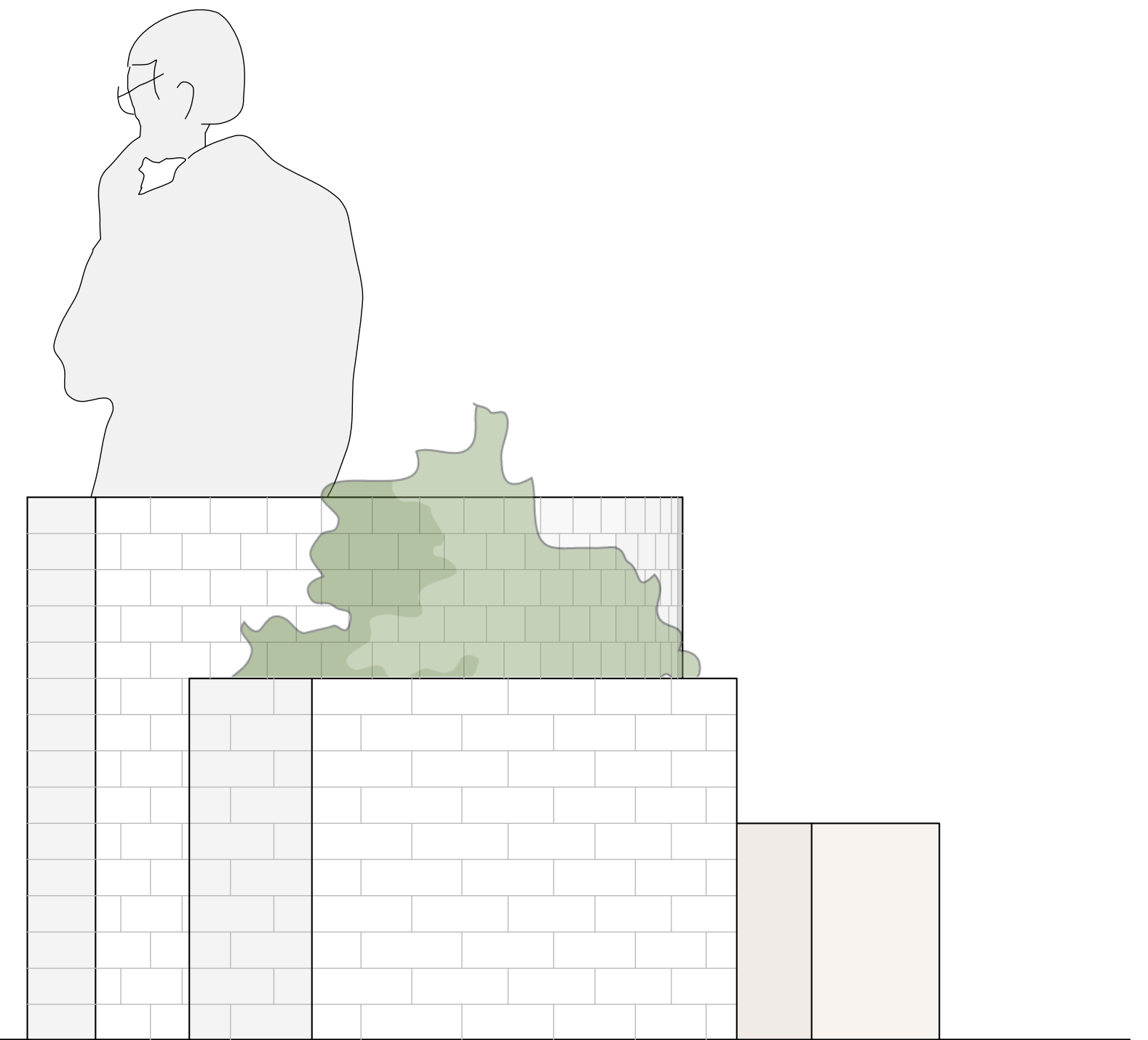
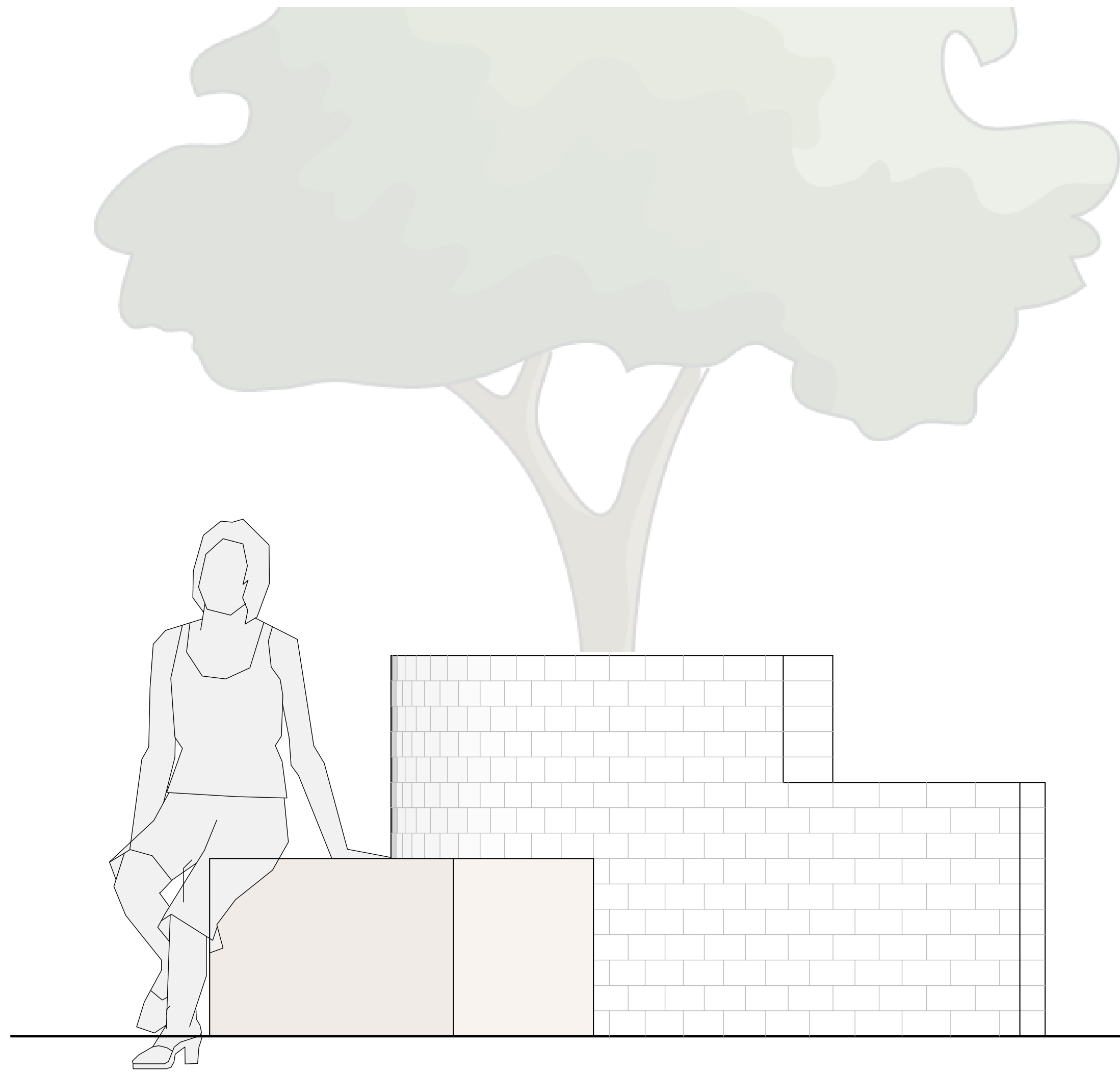




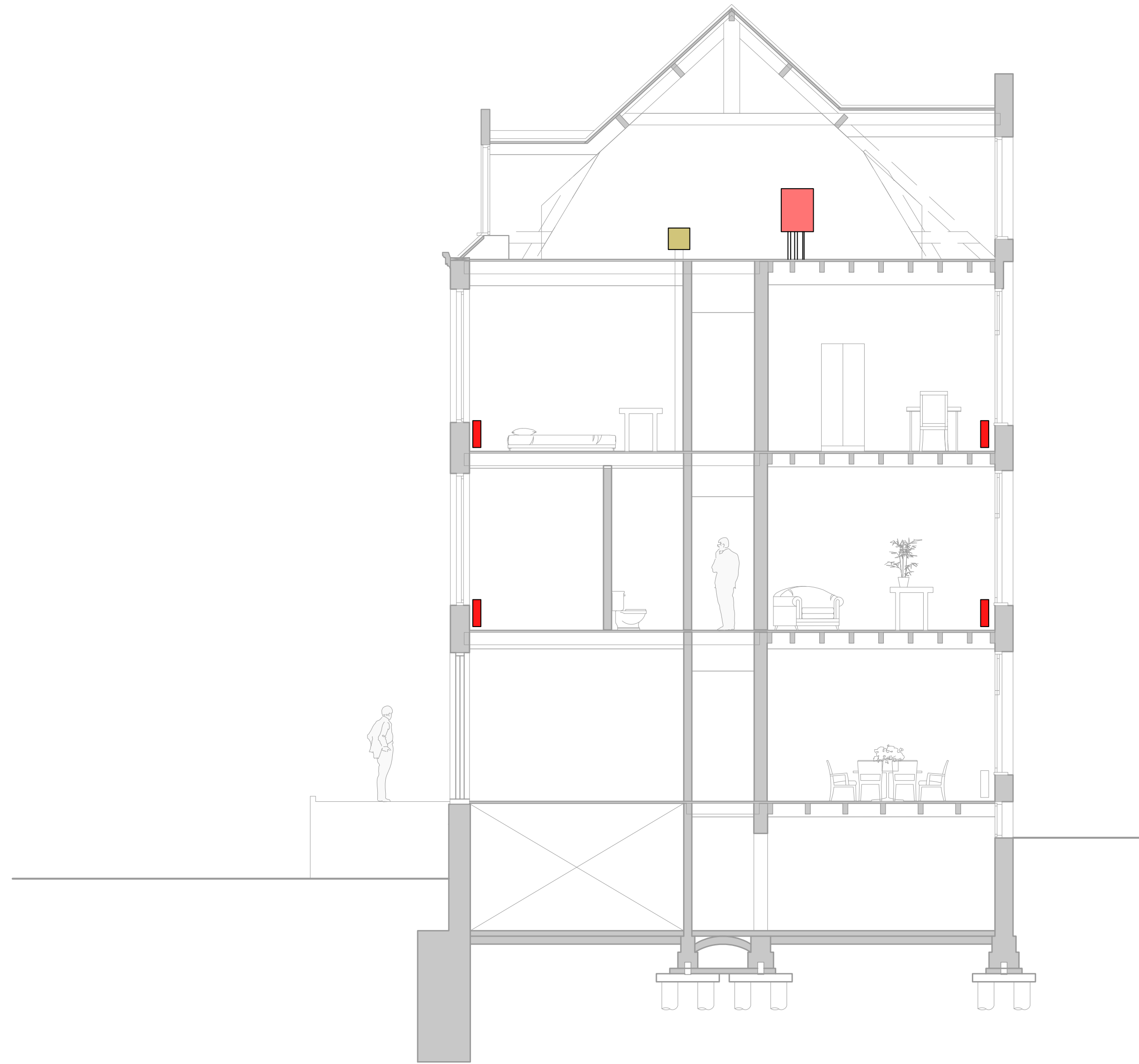


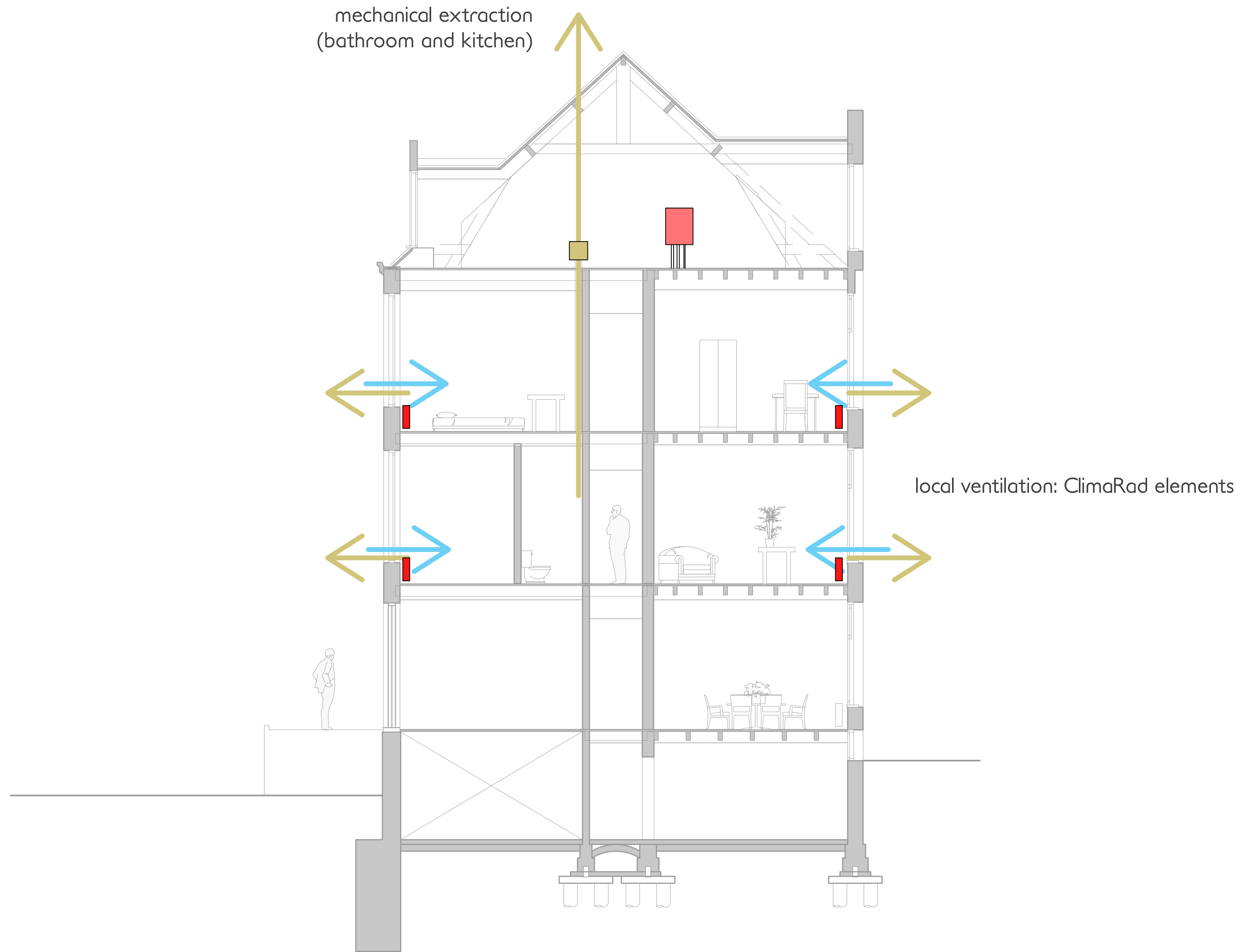




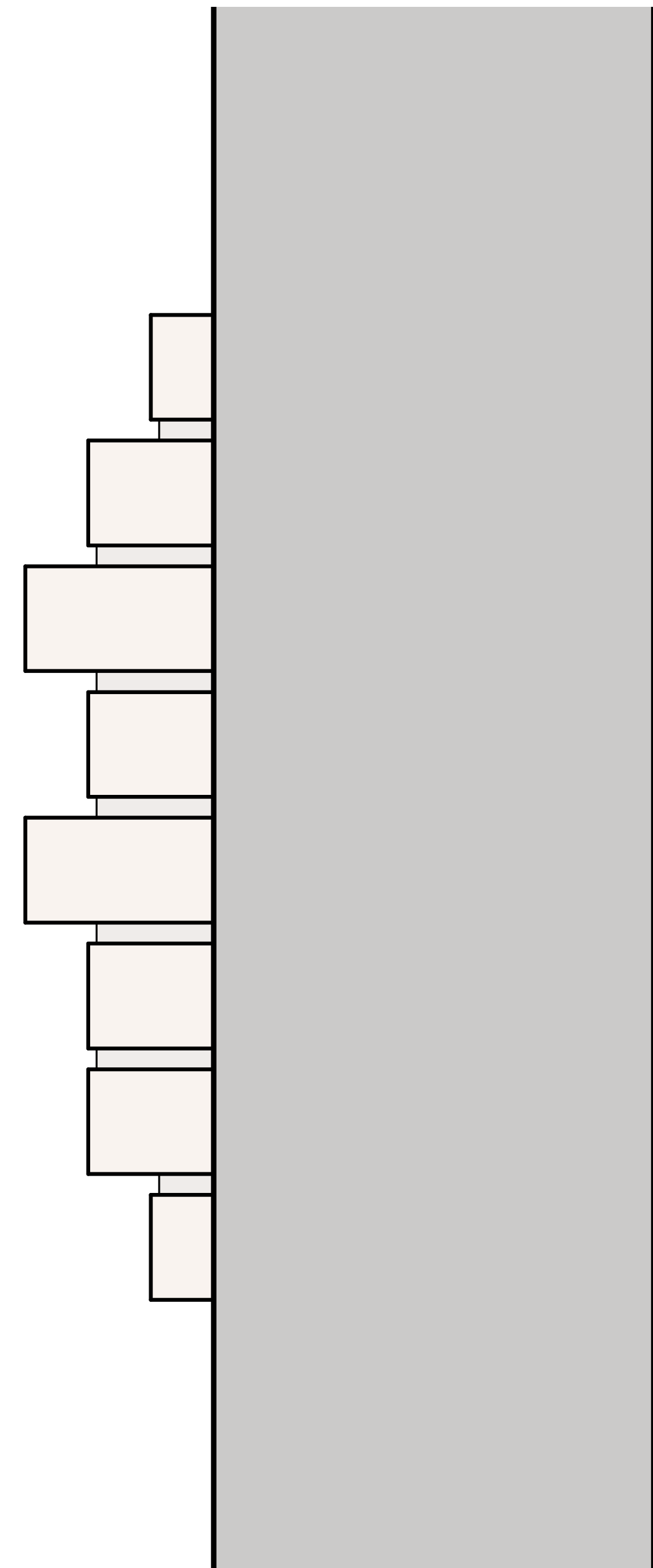
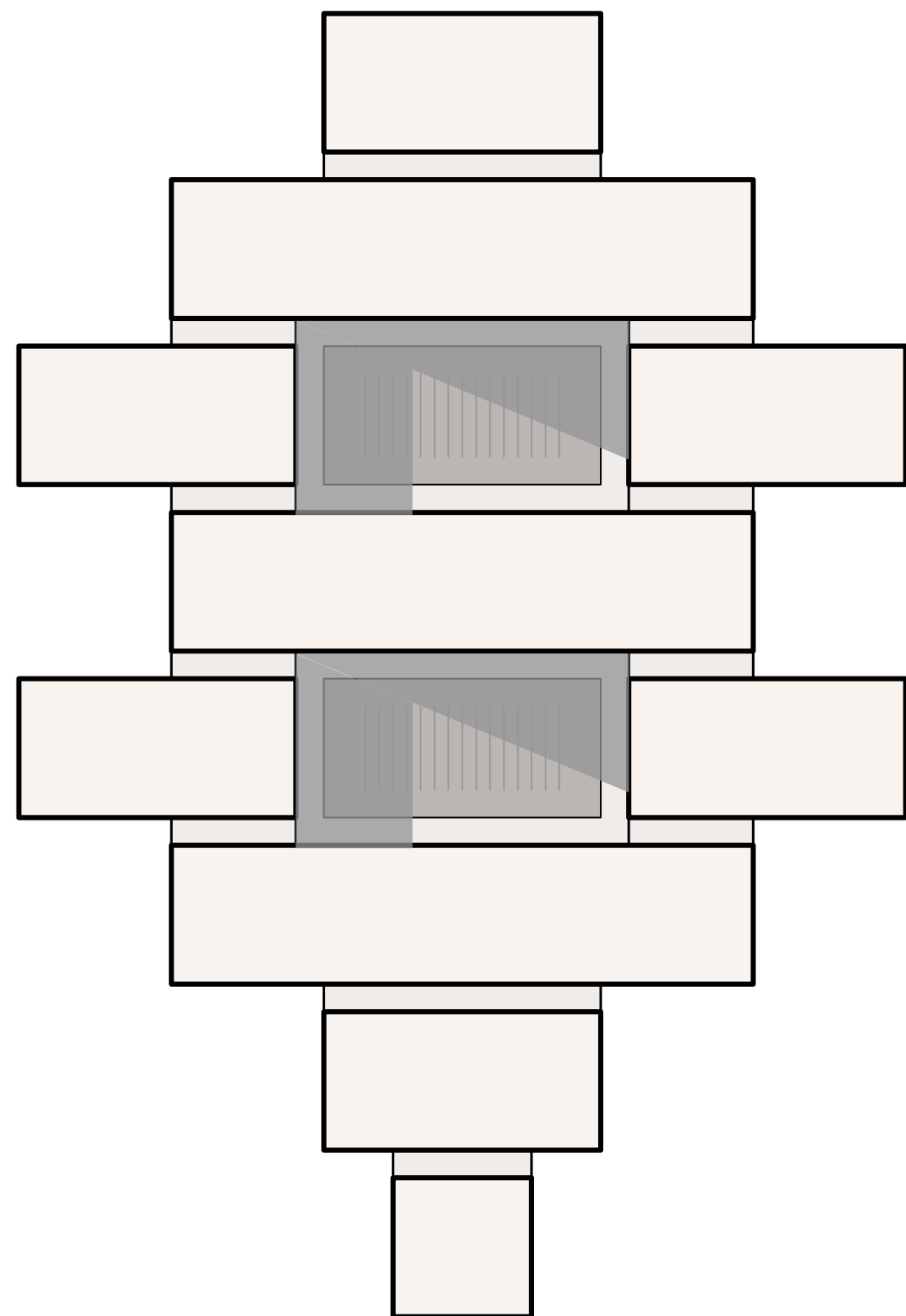


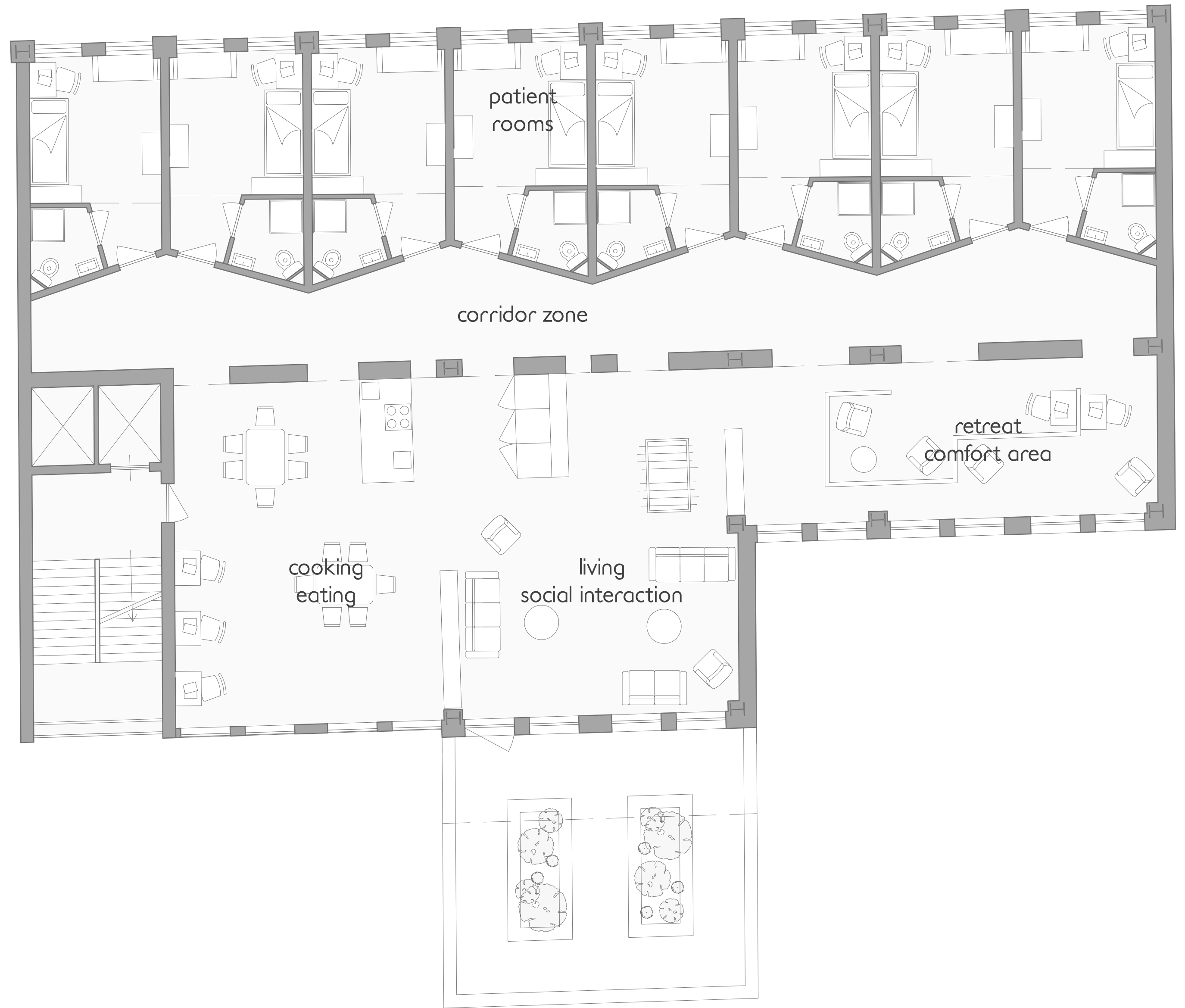
# The individual dwelling

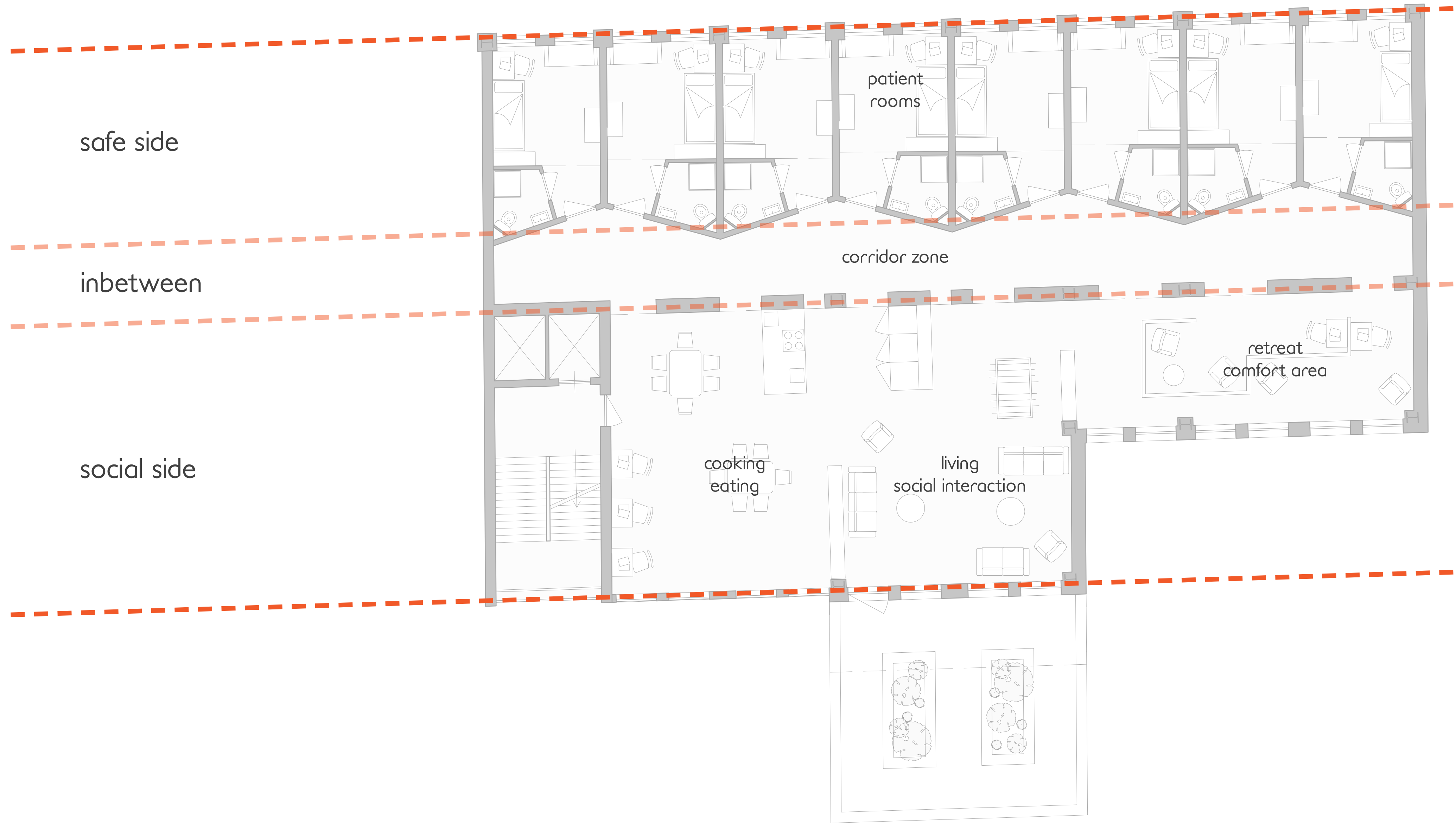






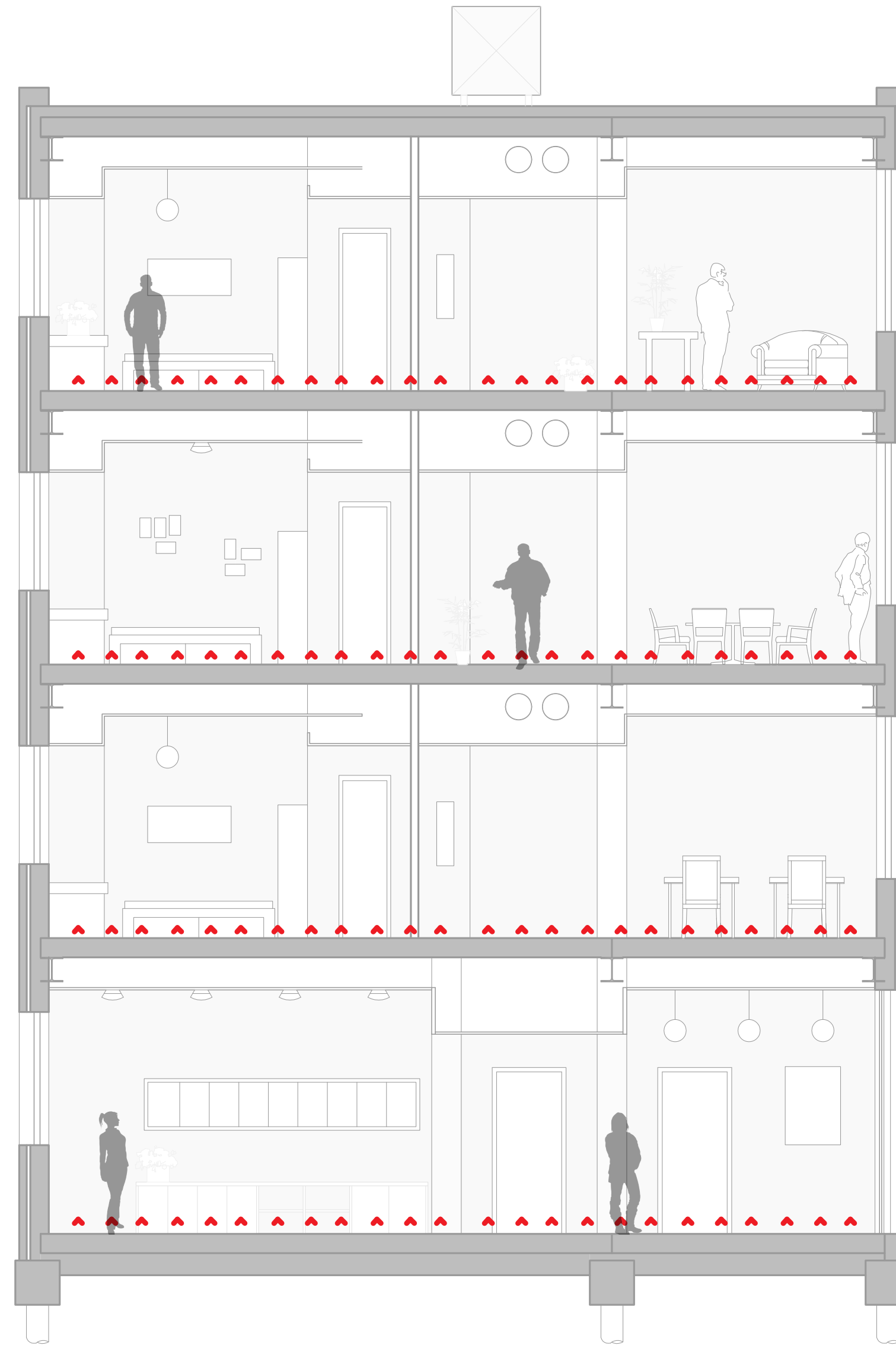


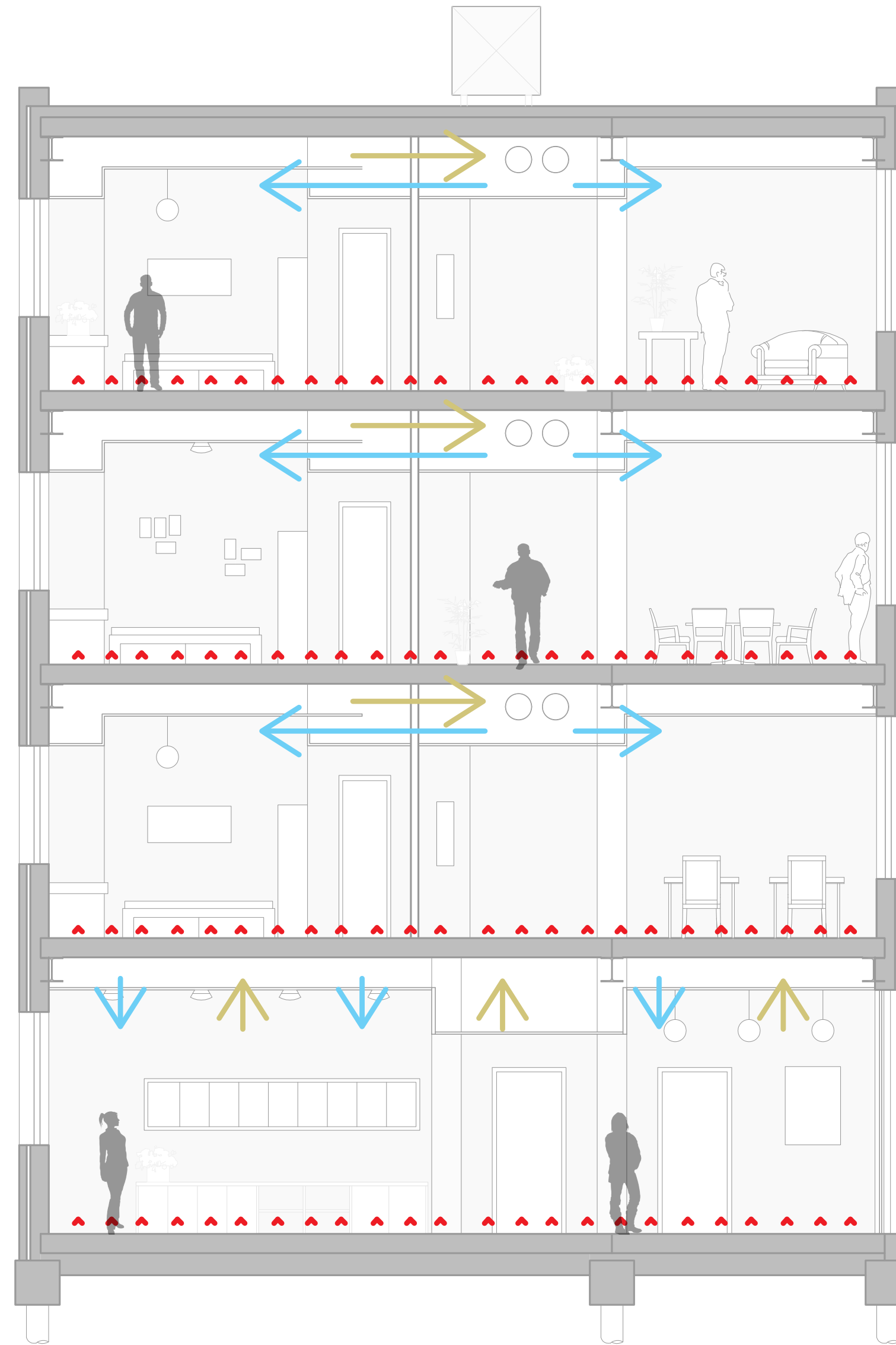


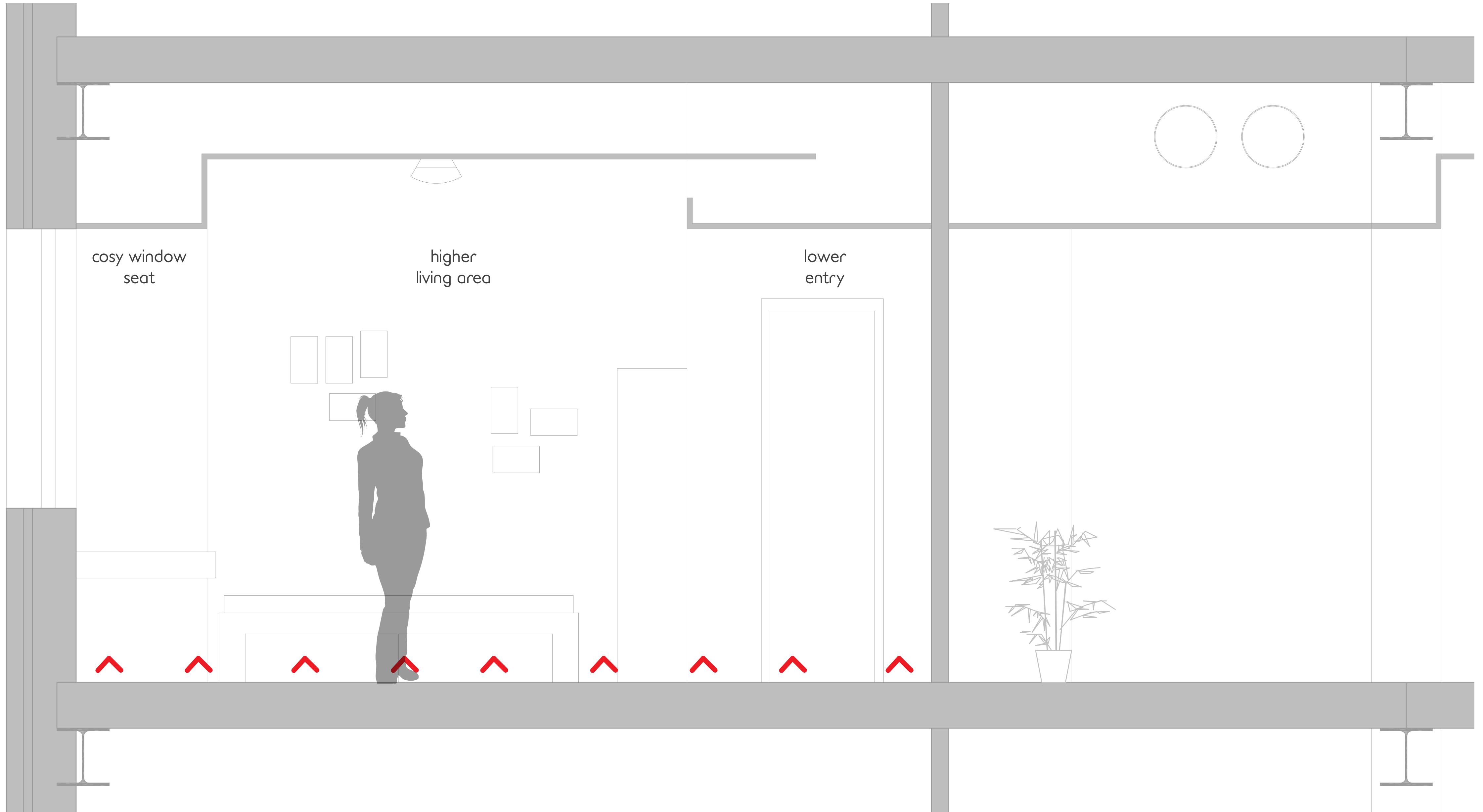




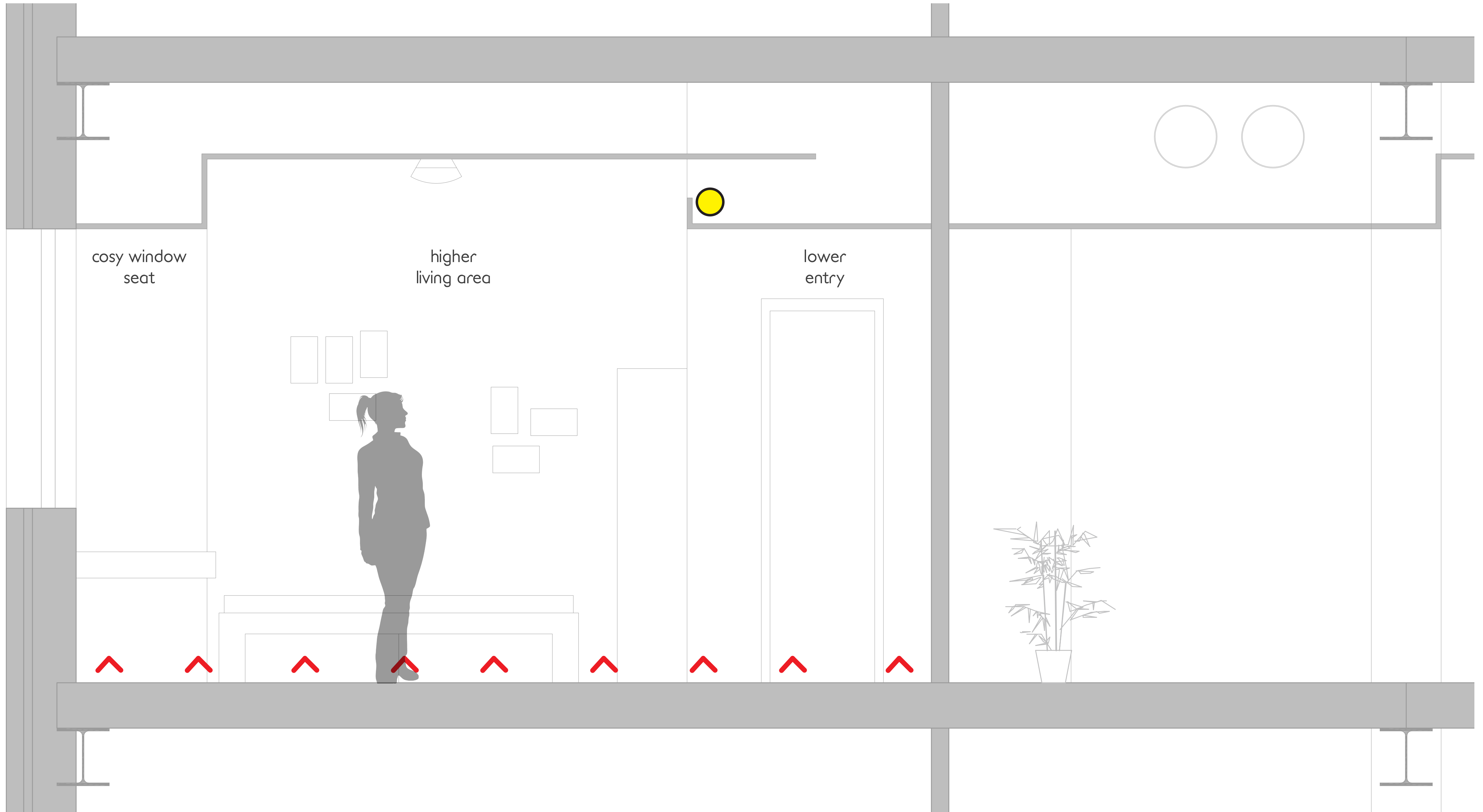


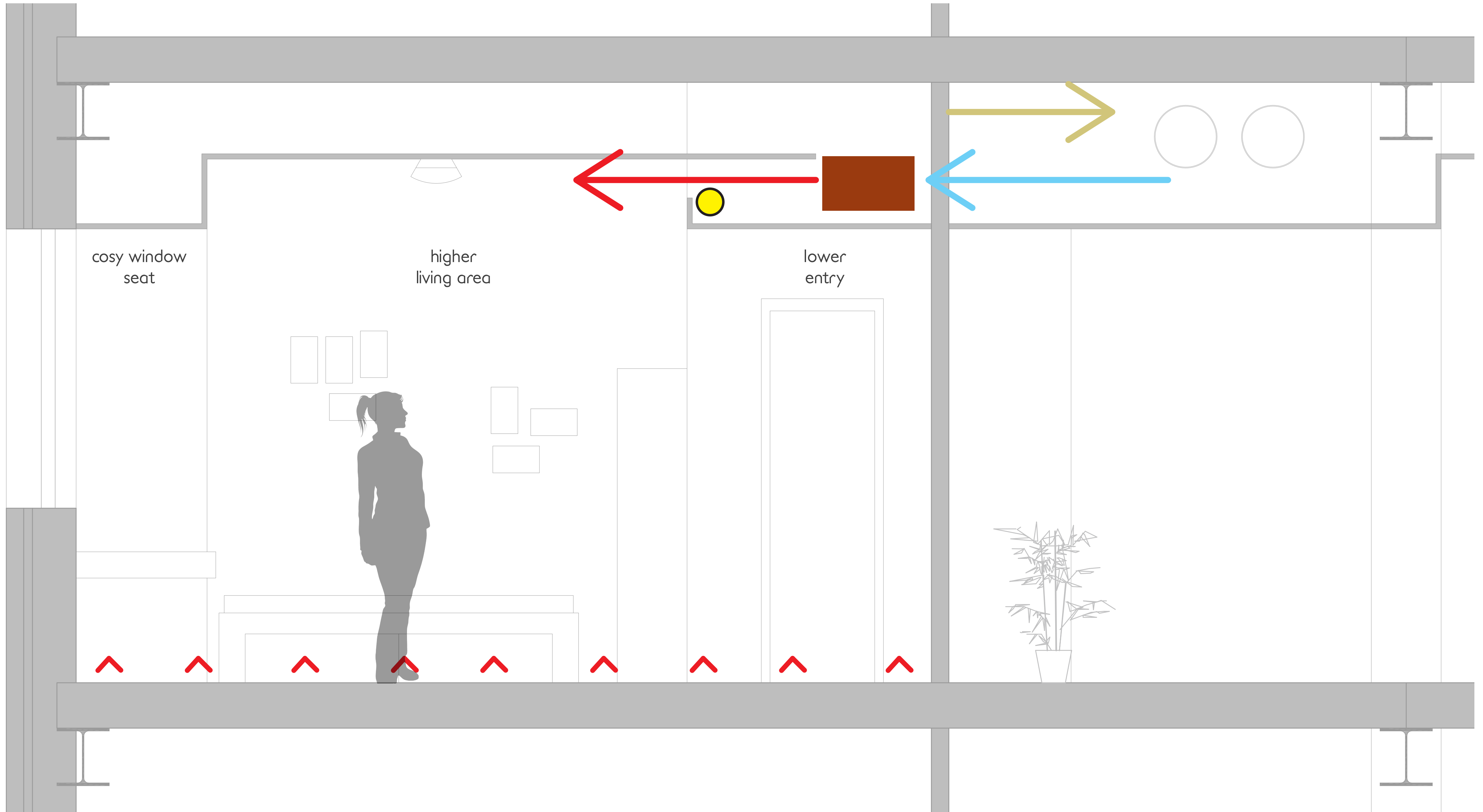
















116 | ...hidden behind the street facades





thank you for your attention

## accommodation

individual apartments  
12 ×

communal living  
4 ×, 6-8 persons each  
own toilet & shower  
shared kitchen & living

clinical living  
3 ×, 6-8 persons each  
own toilet & shower  
shared kitchen & living  
limited access

shared outside spaces

total ca. 64 residents

## daytime activities

work for income  
jobcoaching

occupational therapy  
greenhouse  
vegetable garden

cooking studio  
music studio  
art studio  
psychomotor therapy

work, learn, relax

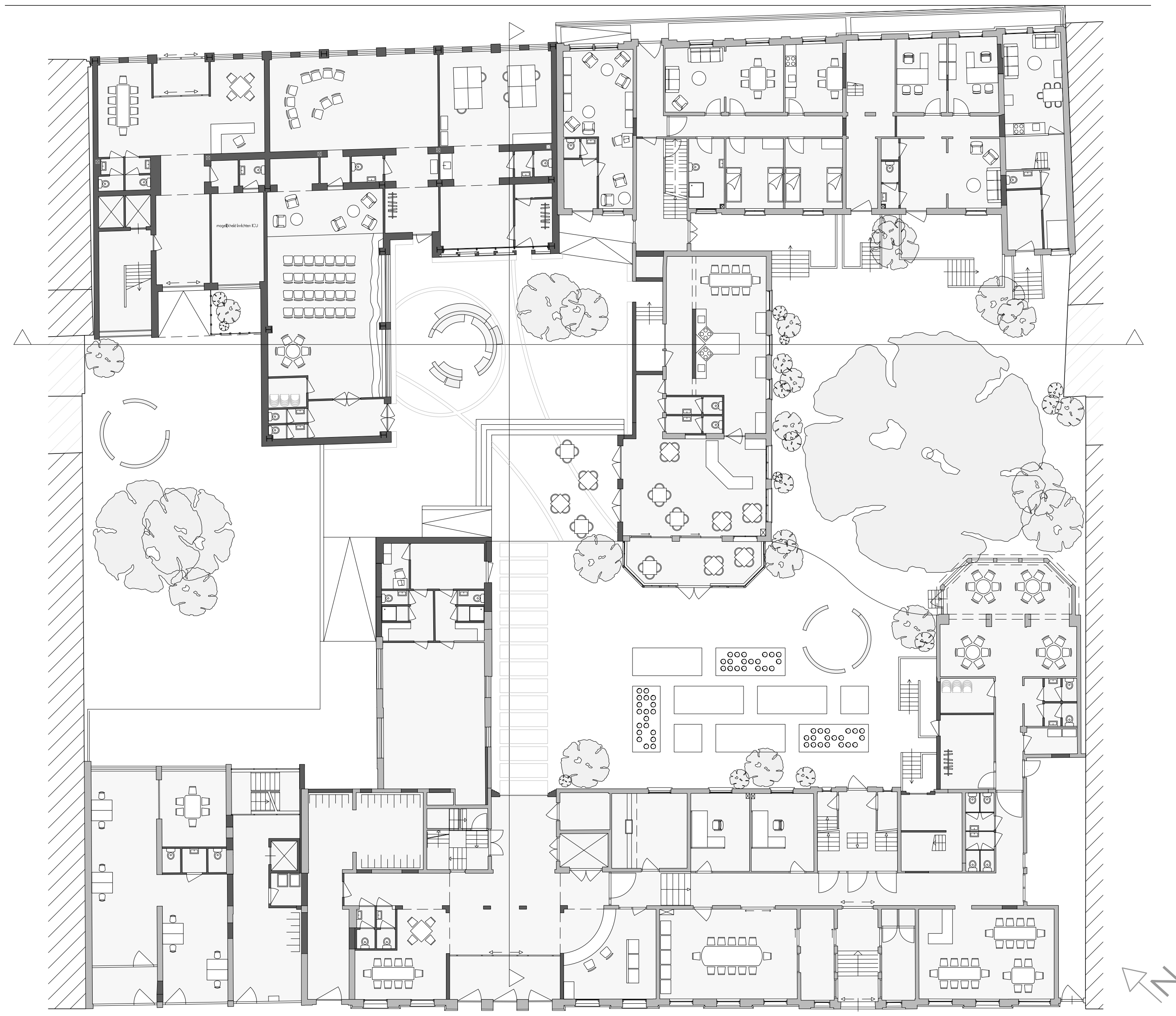
## appropriate care

ambulatory  
ca. 200 patients  
agression control  
social training  
rehabilitation  
process offense/past  
medication

clinical  
separate therapy rooms

medical  
dentist  
general practitioner

unique per patient







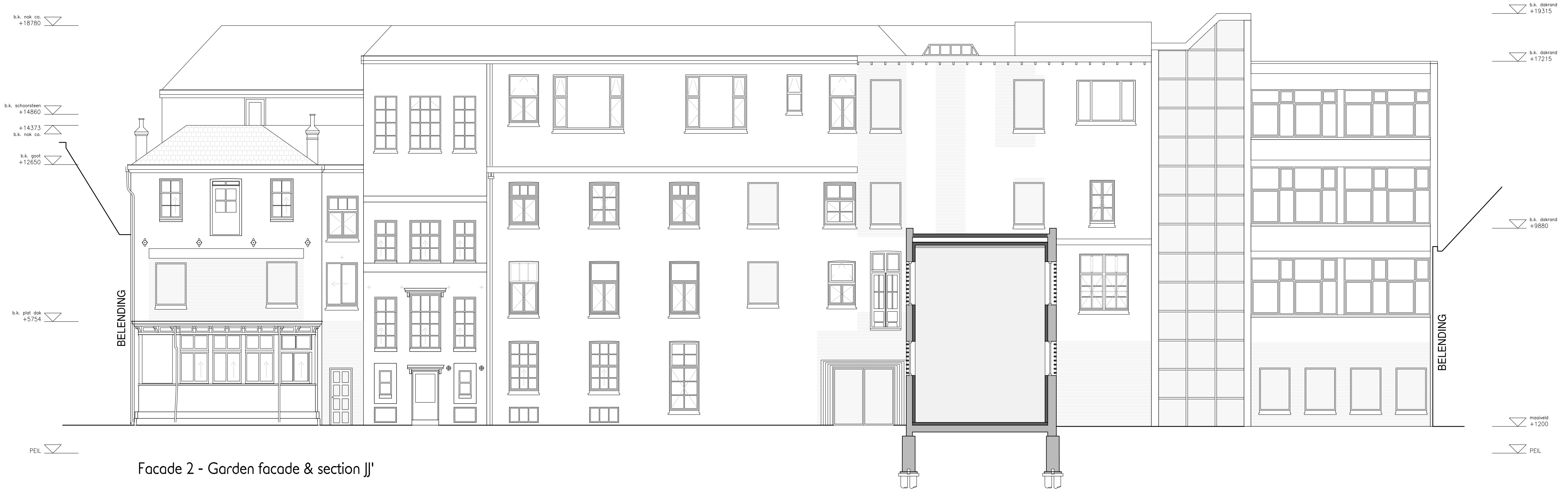


Facade 1 - Prinsengracht

Bouwdeel 1957 (de Geus & Ingwersen)

Bouwdeel 1902 (Posthumus Meyjes sr.)

Bouwdeel 1857 (Leliman)



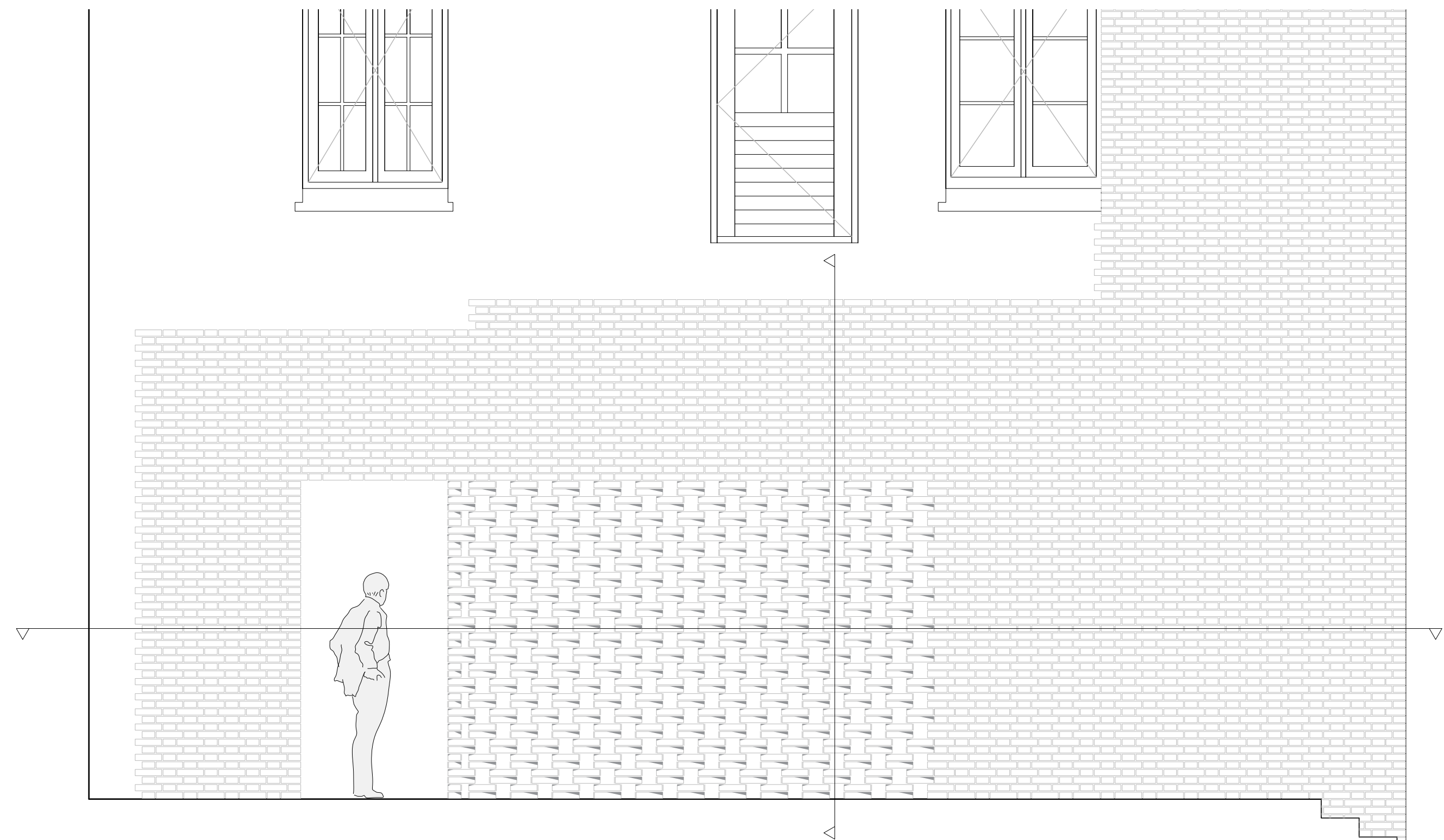
Facade 2 - Garden facade & section JJ'



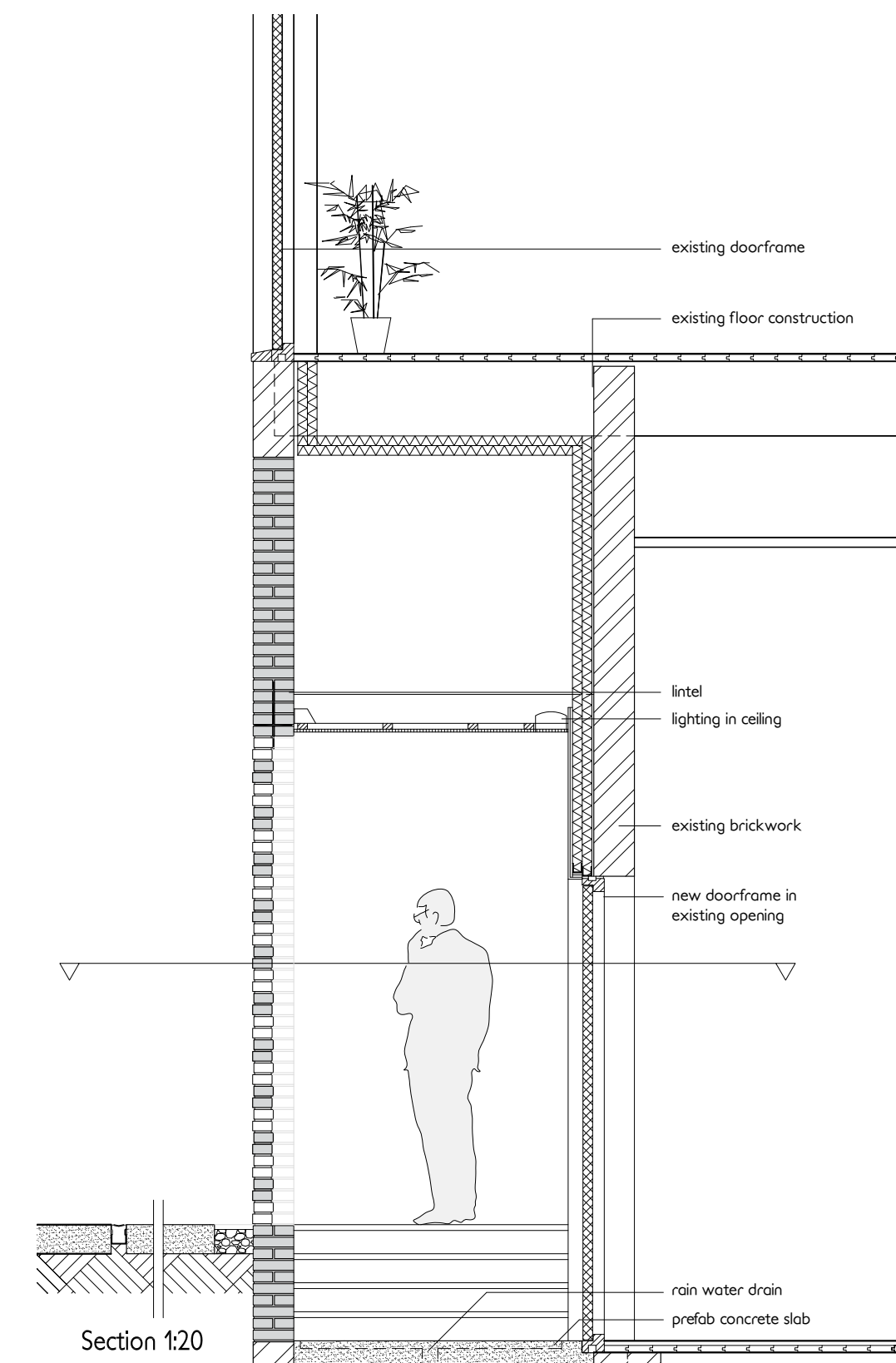
Section KK' including Northwest Elevation of the Kitchen and Cafe



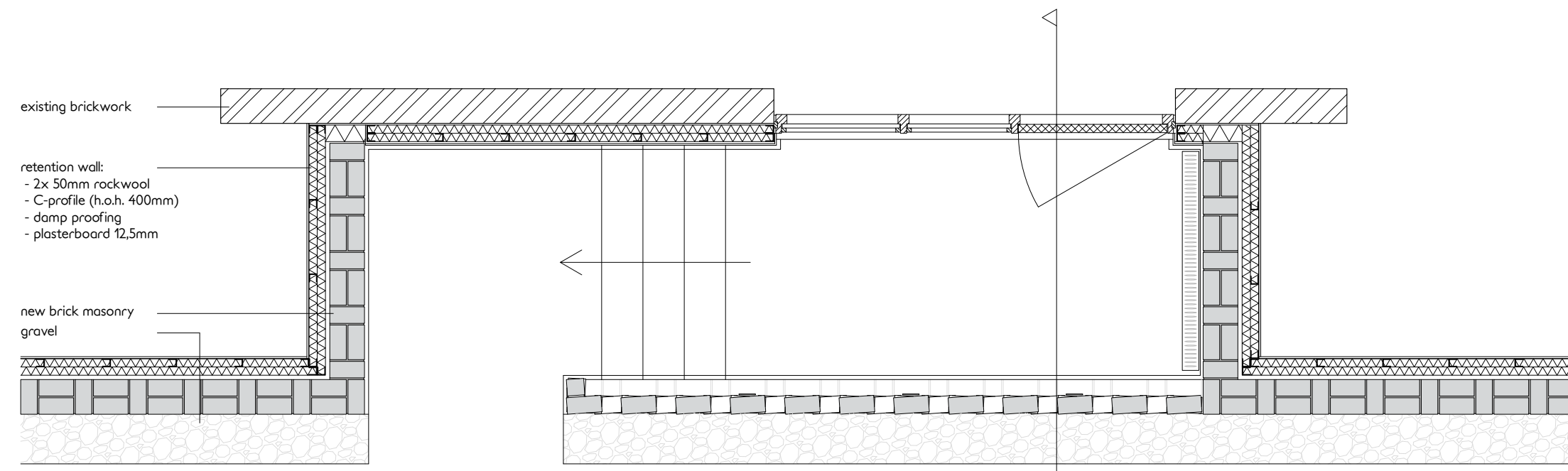
Section LL' including South Elevations of the Kerkstraat Buildings



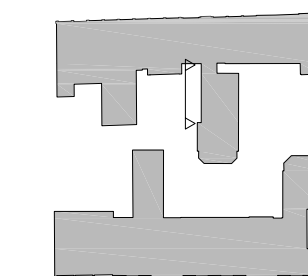
Elevation 1:20



Section 1:20

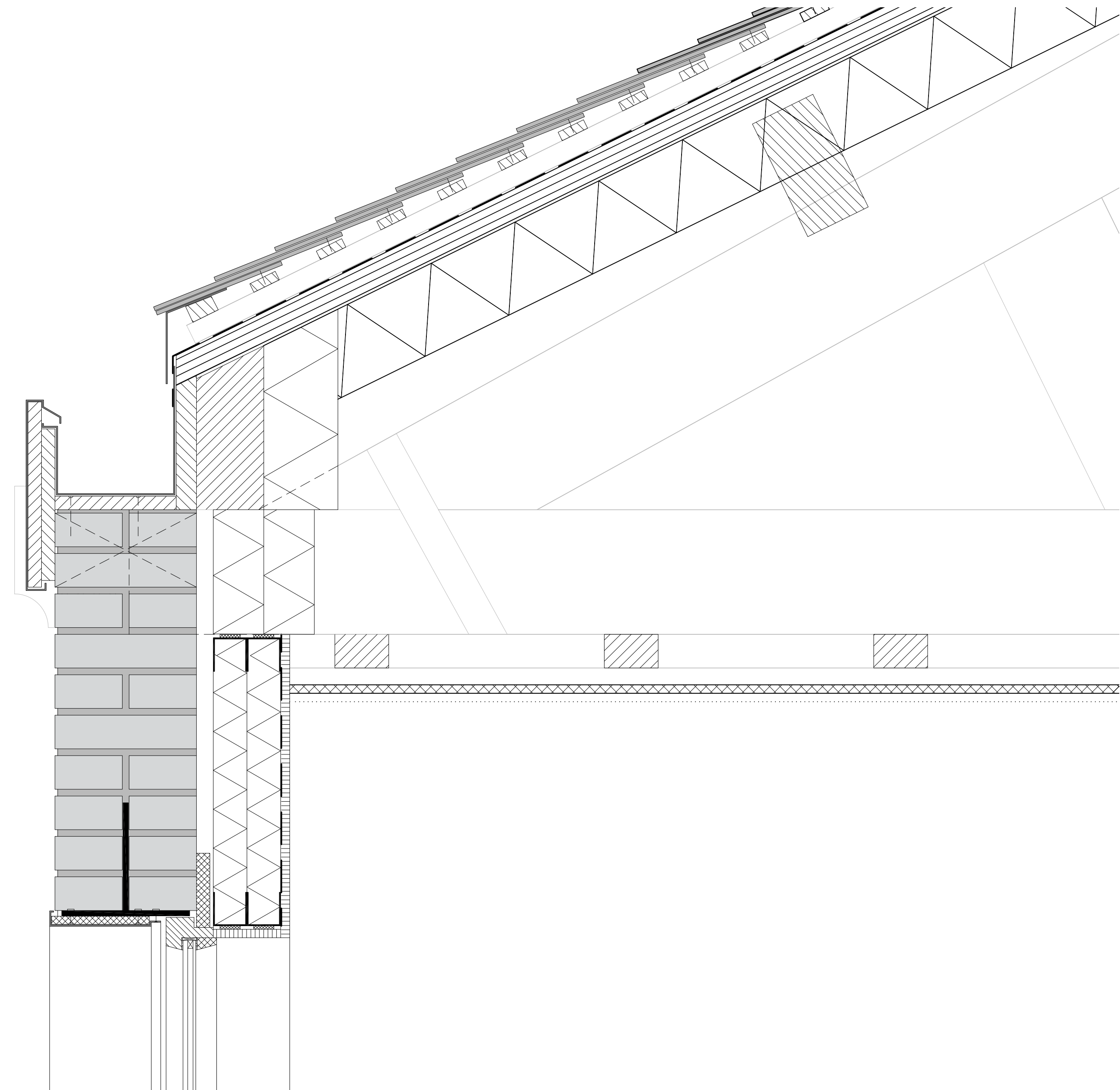


Horizontal Section 1:20

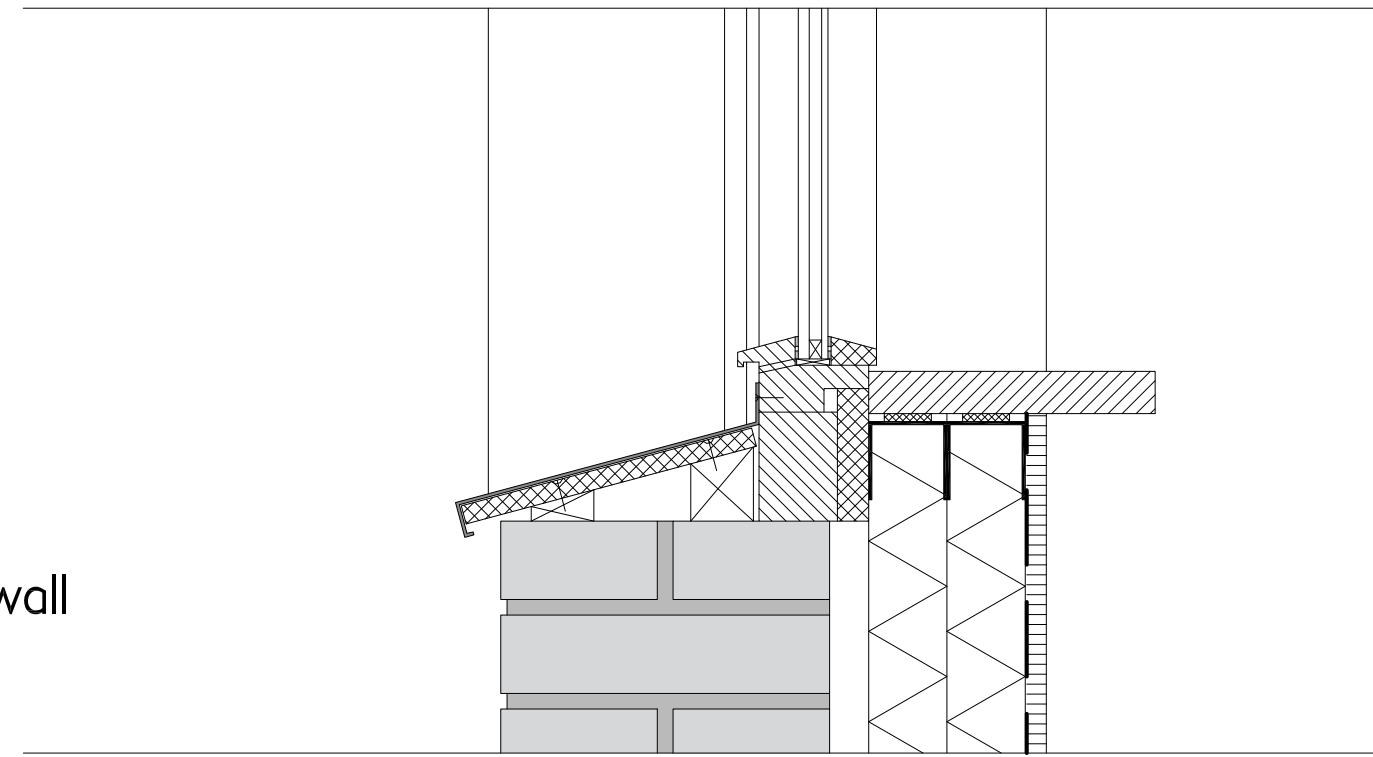


Detail A  
Roofing, roof insulation,  
new gutter

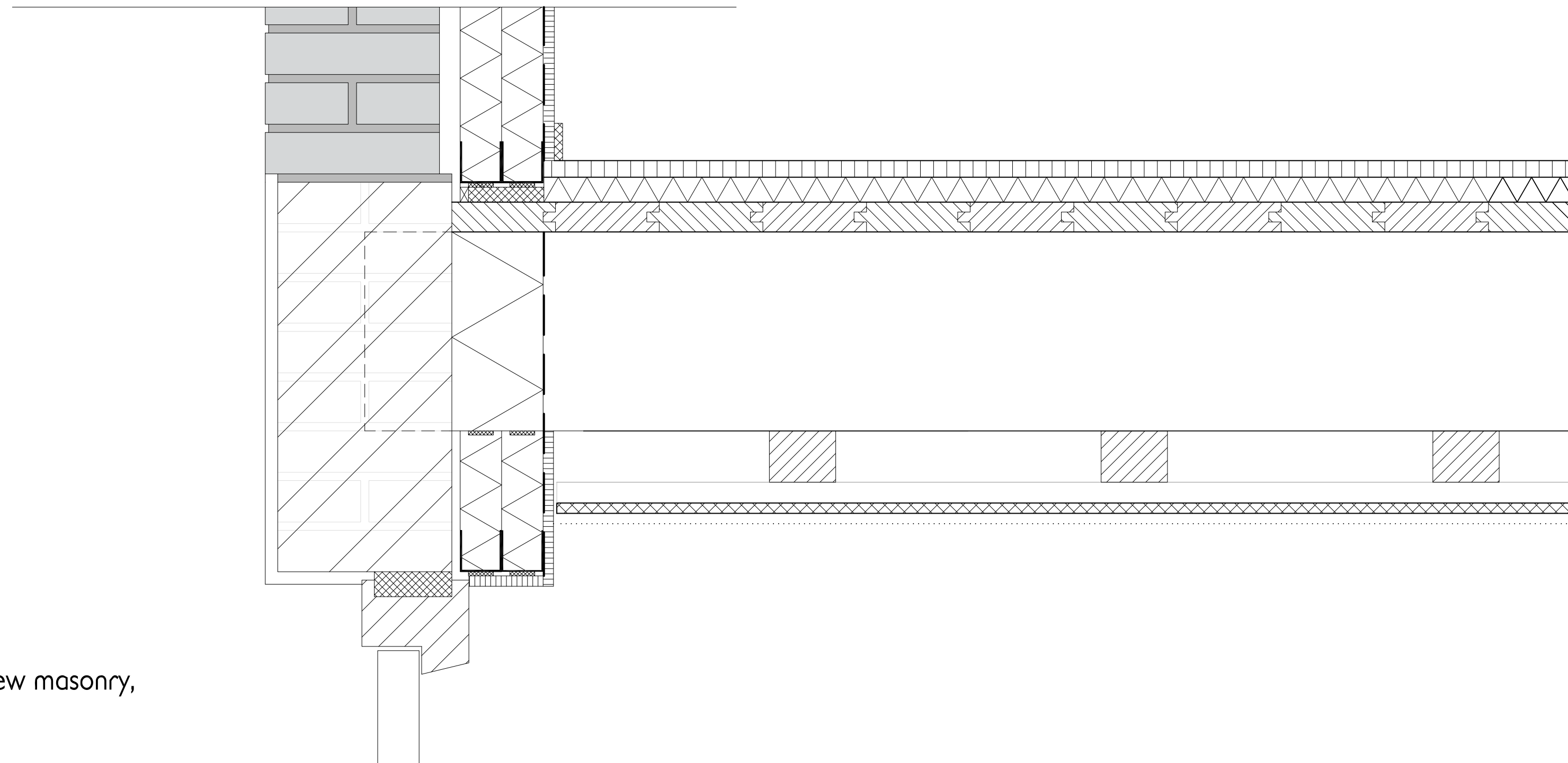
Detail B  
Window frame, retention wall



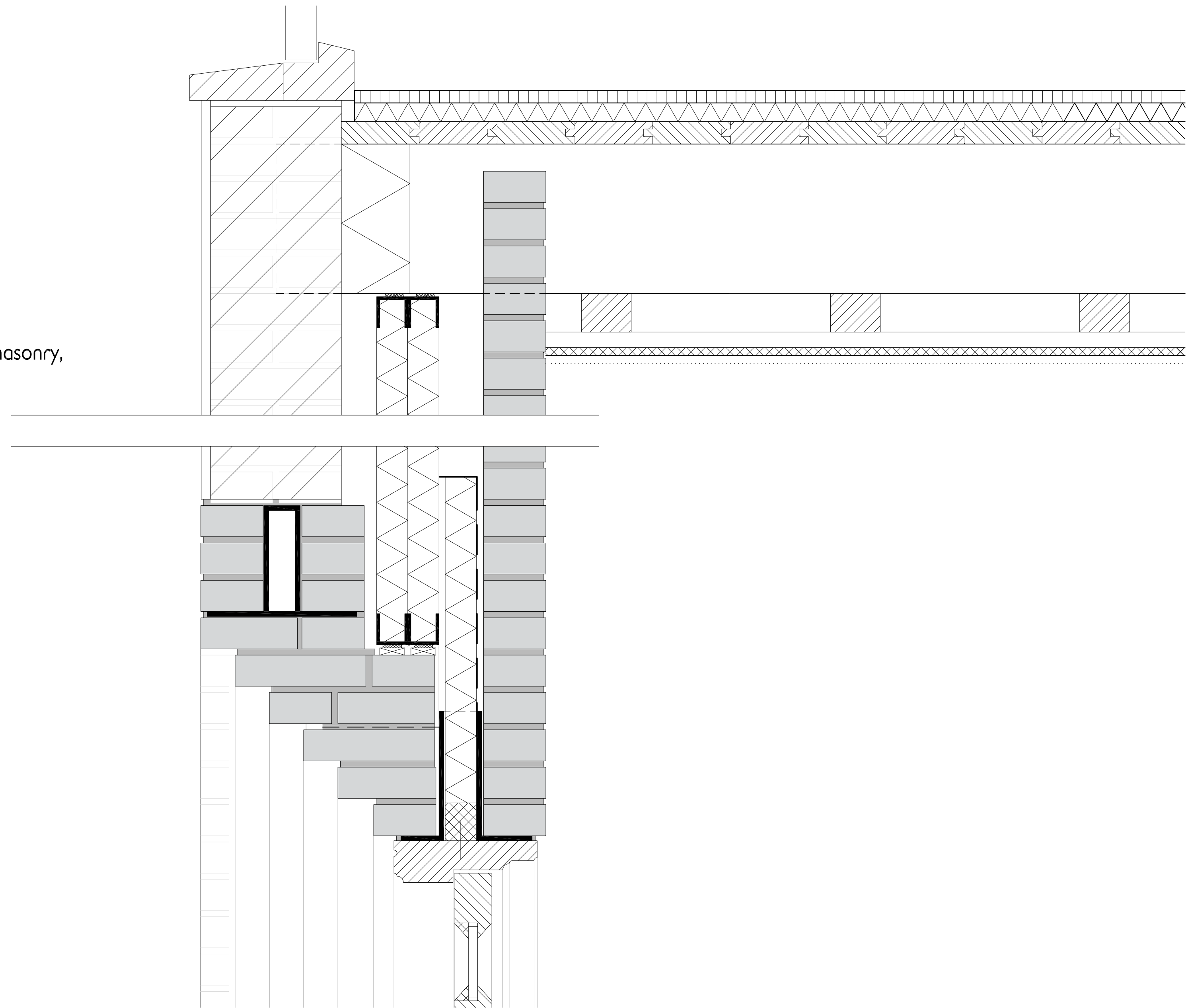
Detail C  
Window frame, retention wall



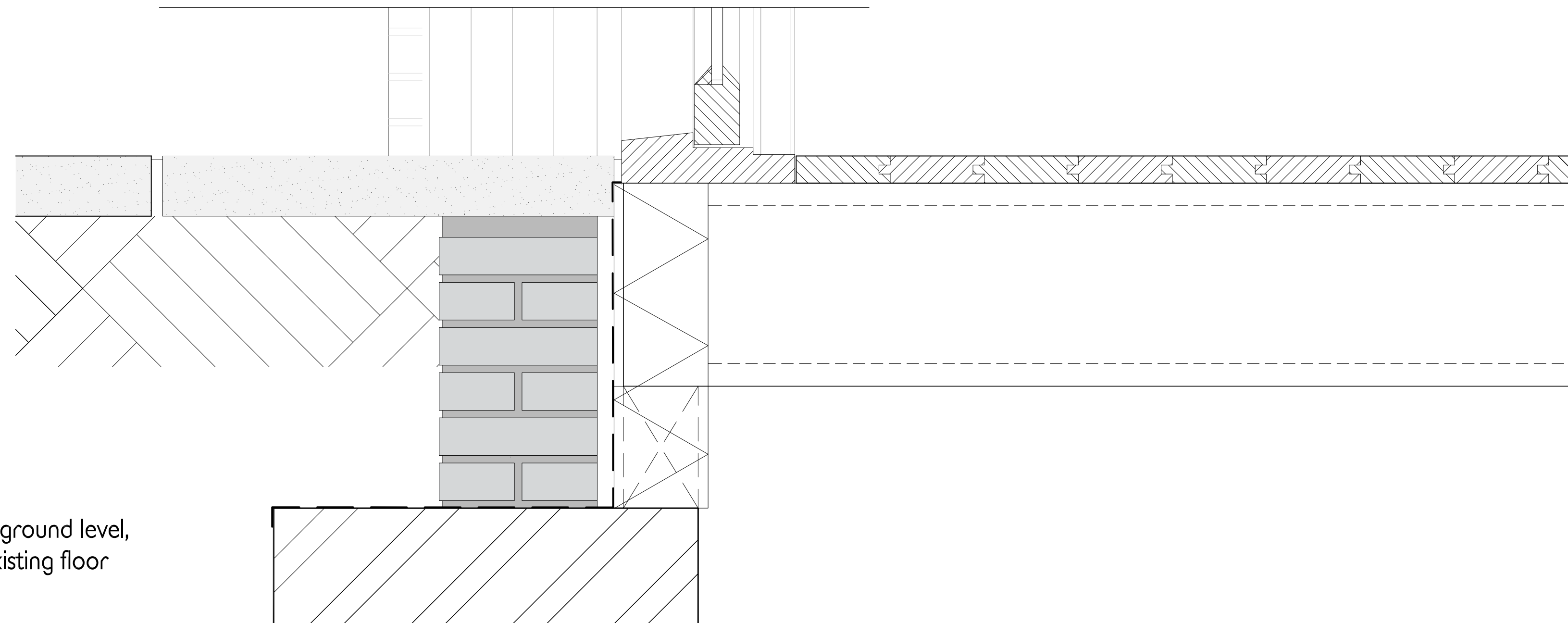
Detail D  
Connection existing and new masonry,  
connection existing floor



Detail E  
Connection new interior masonry,  
with existing floor







Detail G  
Connection ground level,  
insulation existing floor



historic pictures of the Prinsengracht Hosital: Beeldbank Amsterdam  
transferium jeugdzorg (design and picture): de Jong Gortemaker Algra  
superkubus (design and pictures): Personal Architecture  
picture Midas Dekkers: de Volkskrant  
picture Jan Schoonhoven: YouTube  
ClimaRad element: ClimaRad Decentrale Ventilatie  
playground Aldo van Eyck: ArchiNed