



Aging (in) Architecture

by Jennifer Lips

Nico Swaager (1948) / Amsterdam city archive

Aging (in) Architecture

“How can an inclusive & high quality living environment be created in a 1980s housing complex at Bijlmerplein?”

Bijlmerplein, Amsterdam

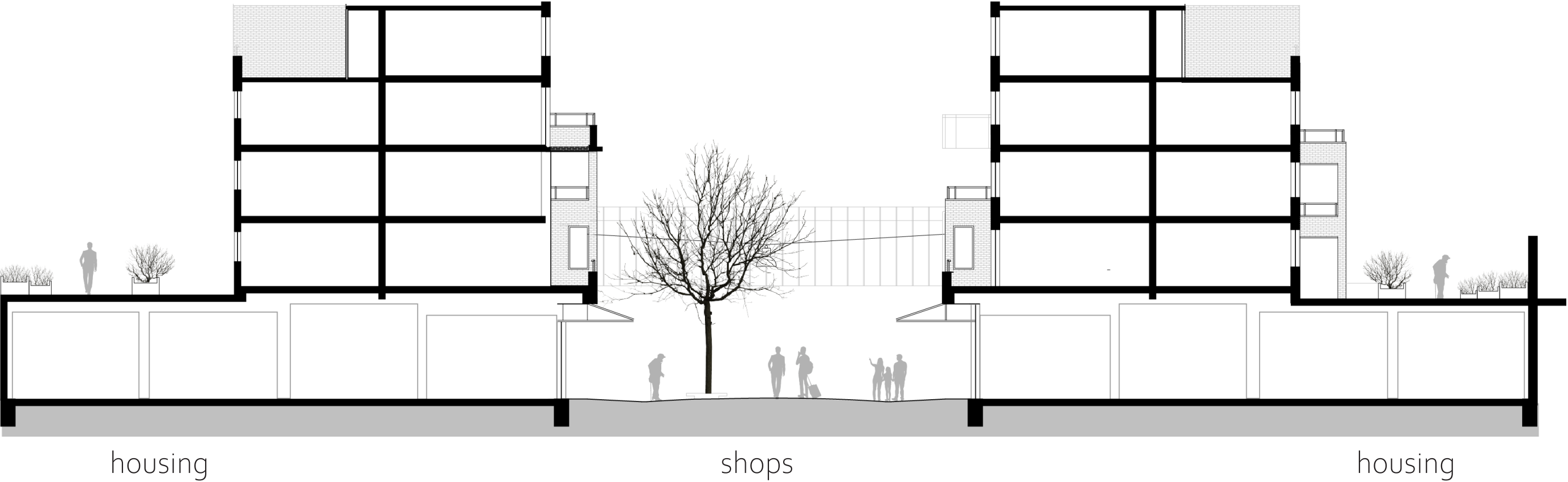


Amsterdam city archive (1973)

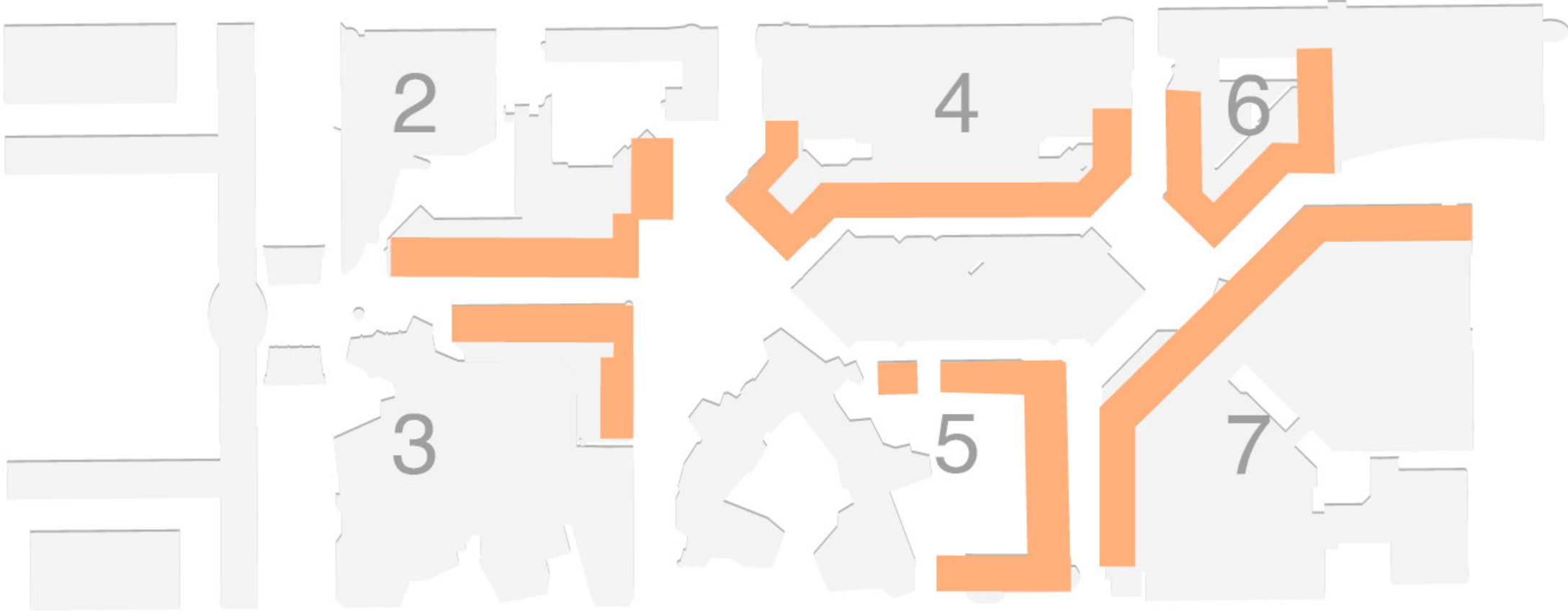


Amsterdam city archive (n.d.)

Bijlmerplein, Amsterdam



1:200



1:5000



Amsterdam city archive (n.d.)

3

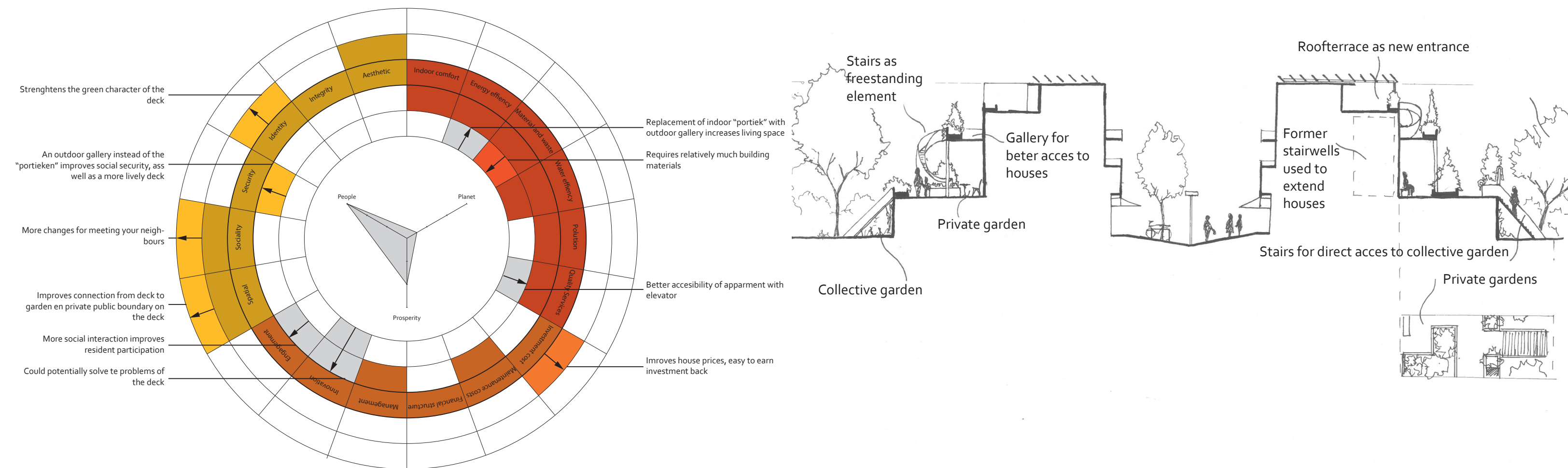




Kamari et al. (2017) inspired diagram
case study Bijlmerplein

Rediscover the collective Social x Spatial

Bijlmerplein



Building

Can the reuse of the ideas of the original architects lead to a better functioning deck? In this scenario social and spatial characteristics formed the startingpoint to redesign the decks on the bases of these ideas. A large gallery can be build and the connection to the backgarden should be strengthened. This strategy is typically applied on the scale of the building. The solution can potentially improve one of the weakest points of the buildings design and thereby improve liveability and make the apartments also financially more attractive.

Values

Relation to values of owners, users, students, architects & advisors, government & municipality:

- Quality and liveliness on the decks: improved
- Appreciated peacefulness and greenery, preserved or improved

Justus van Effenblok, Michiel Brinkman

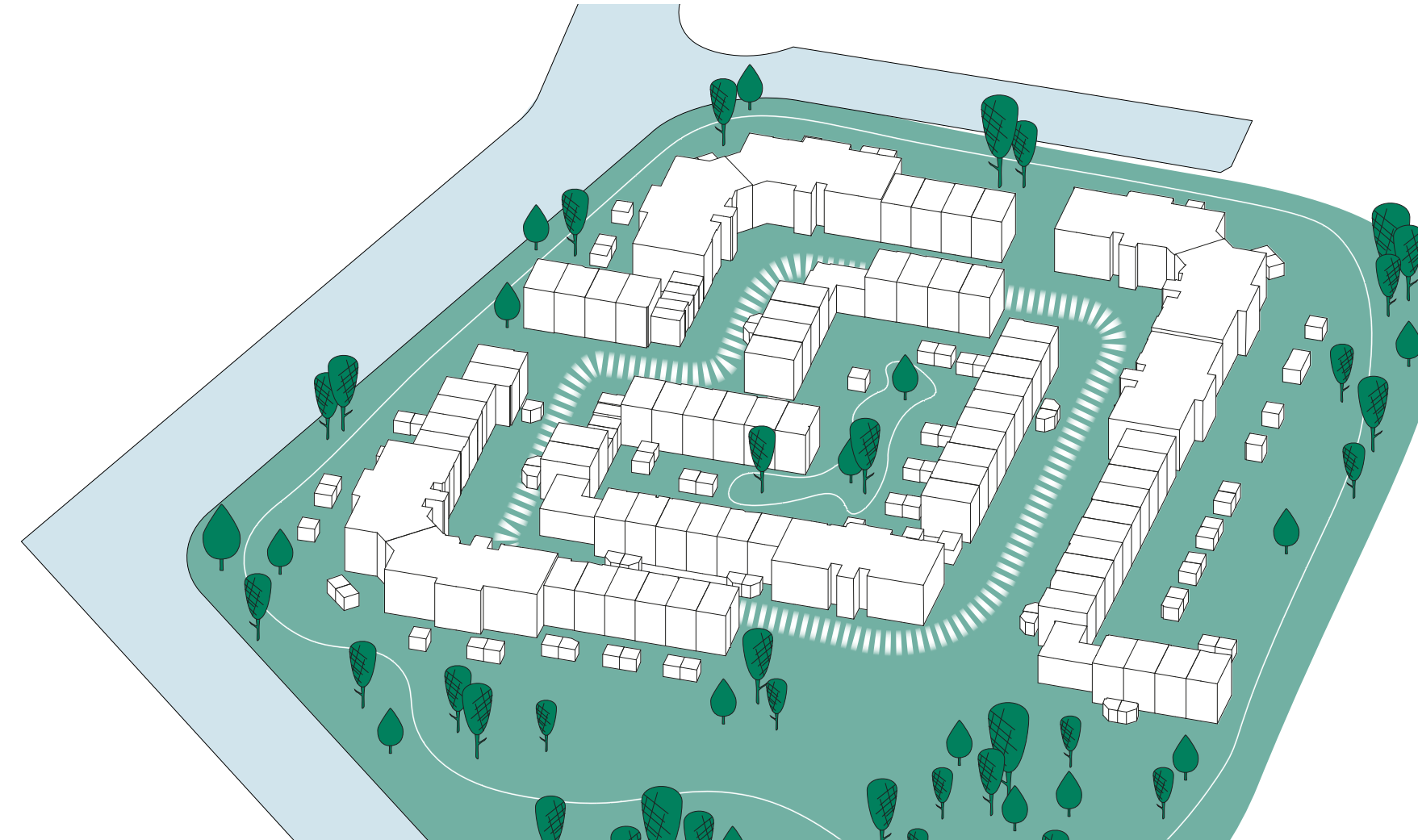
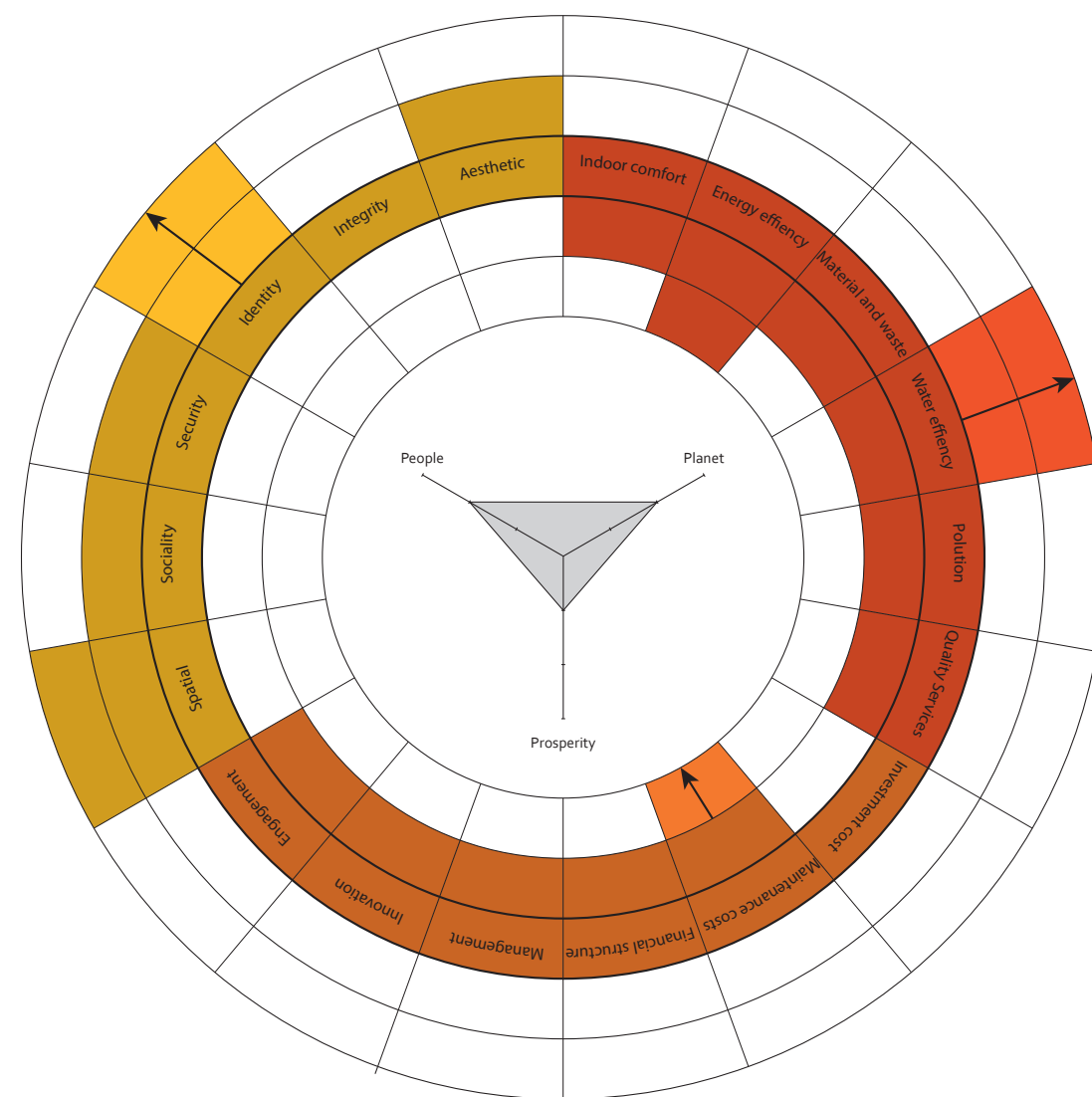


source image: nieuws.topo10.nl

MORE GREEN, PLEASE

biodiversity x spatial

Goedewerf



A green neighbourhood

This model aims to strengthen the biodiversity and the spatial values on a neighbourhood scale, by embedding green into the residential areas. By letting nature run its course, biodiversity in the neighbourhood would be improved. Groene Mient, in the Hague, has a similar strategy. These green areas not only provide space for children to play in, but also invite local insects and animals to live in. By removing hard pavement and replacing it with greenery, water efficiency is also higher.

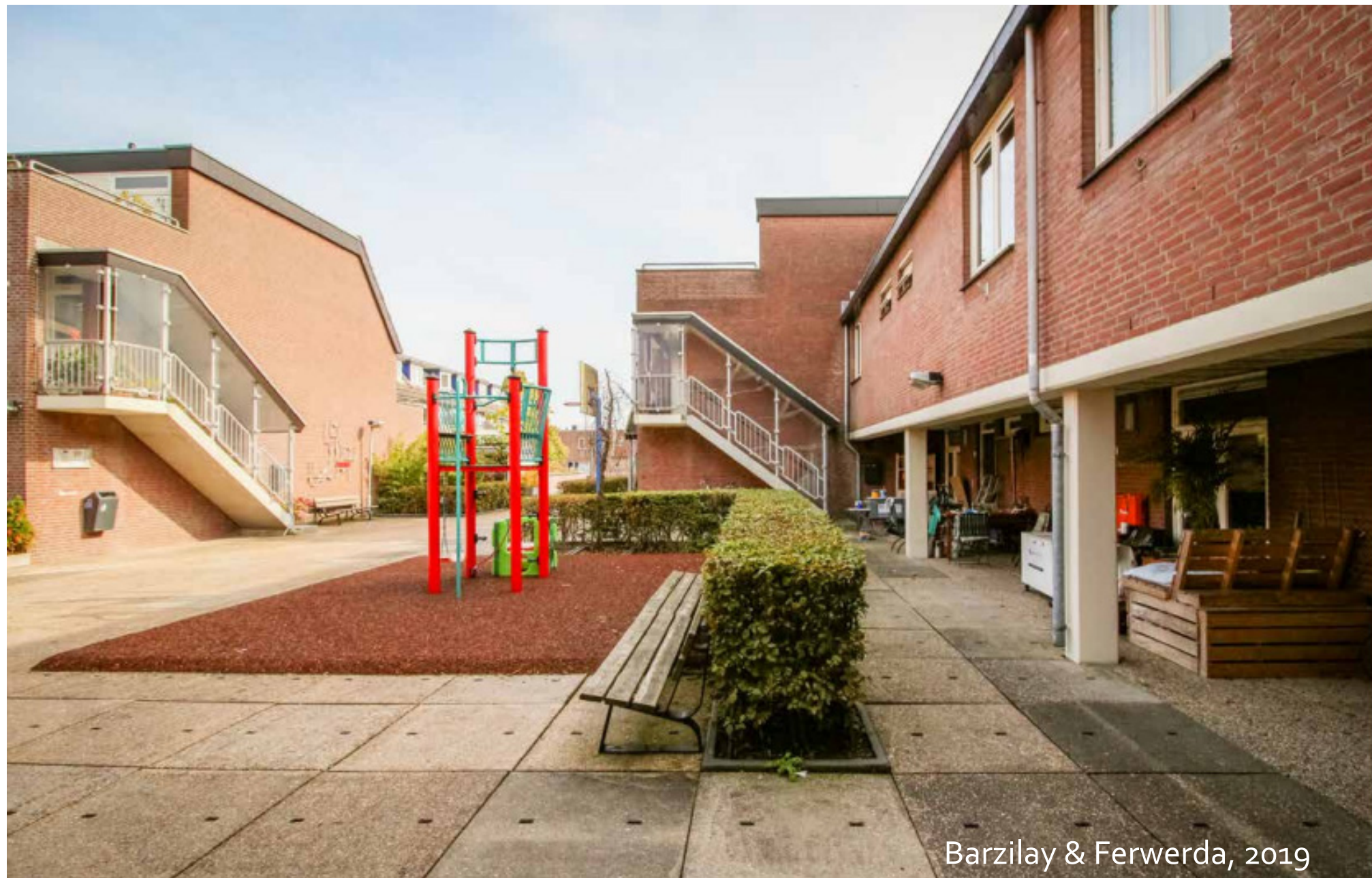
Reference project

Groene Mient, the Hague by Bos Hofman Architectencombinatie and Fillié Verhoeven Architecten



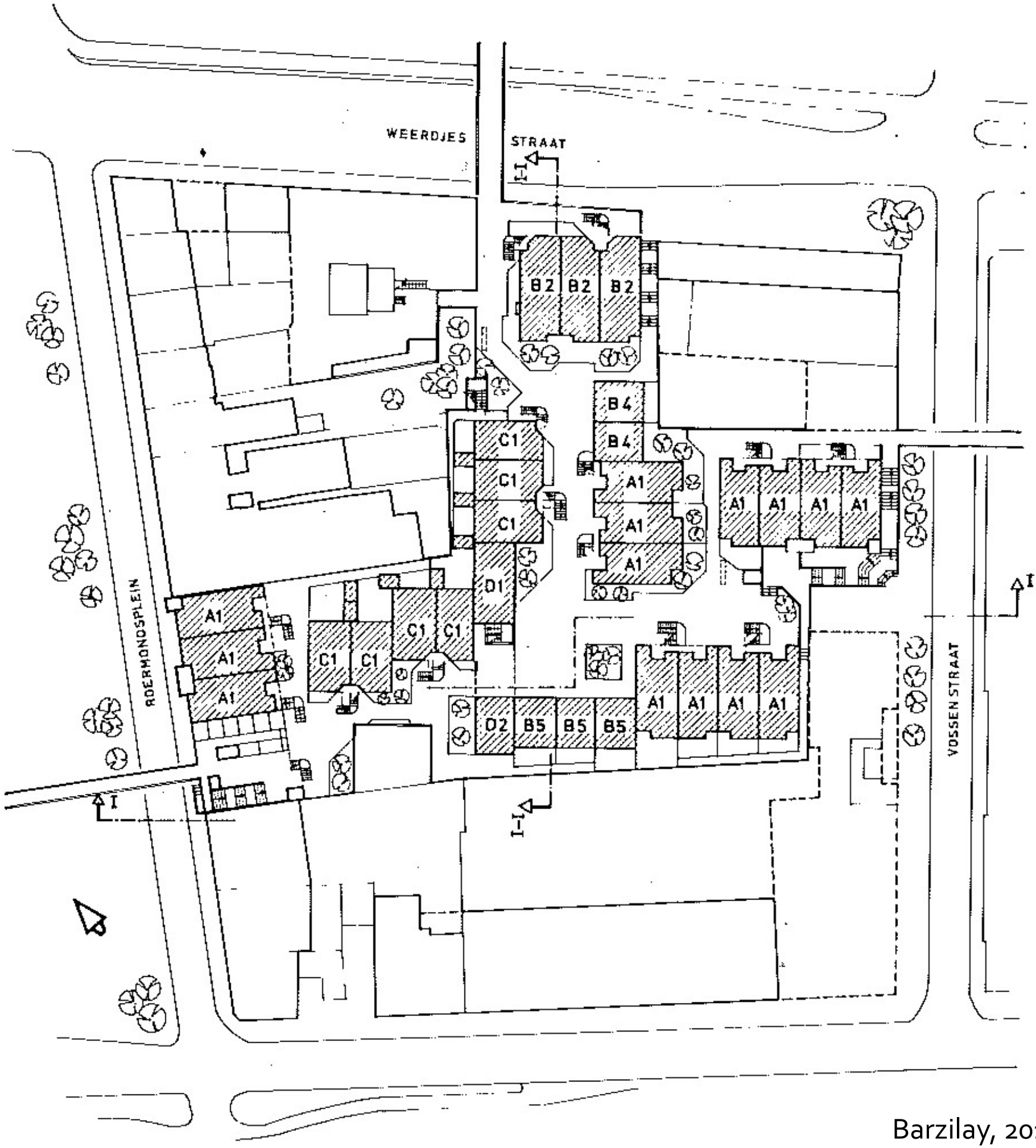


Barzilay & Ferwerda, 2019



Barzilay & Ferwerda, 2019

De Nieuwe Weerdjes, Arnhem

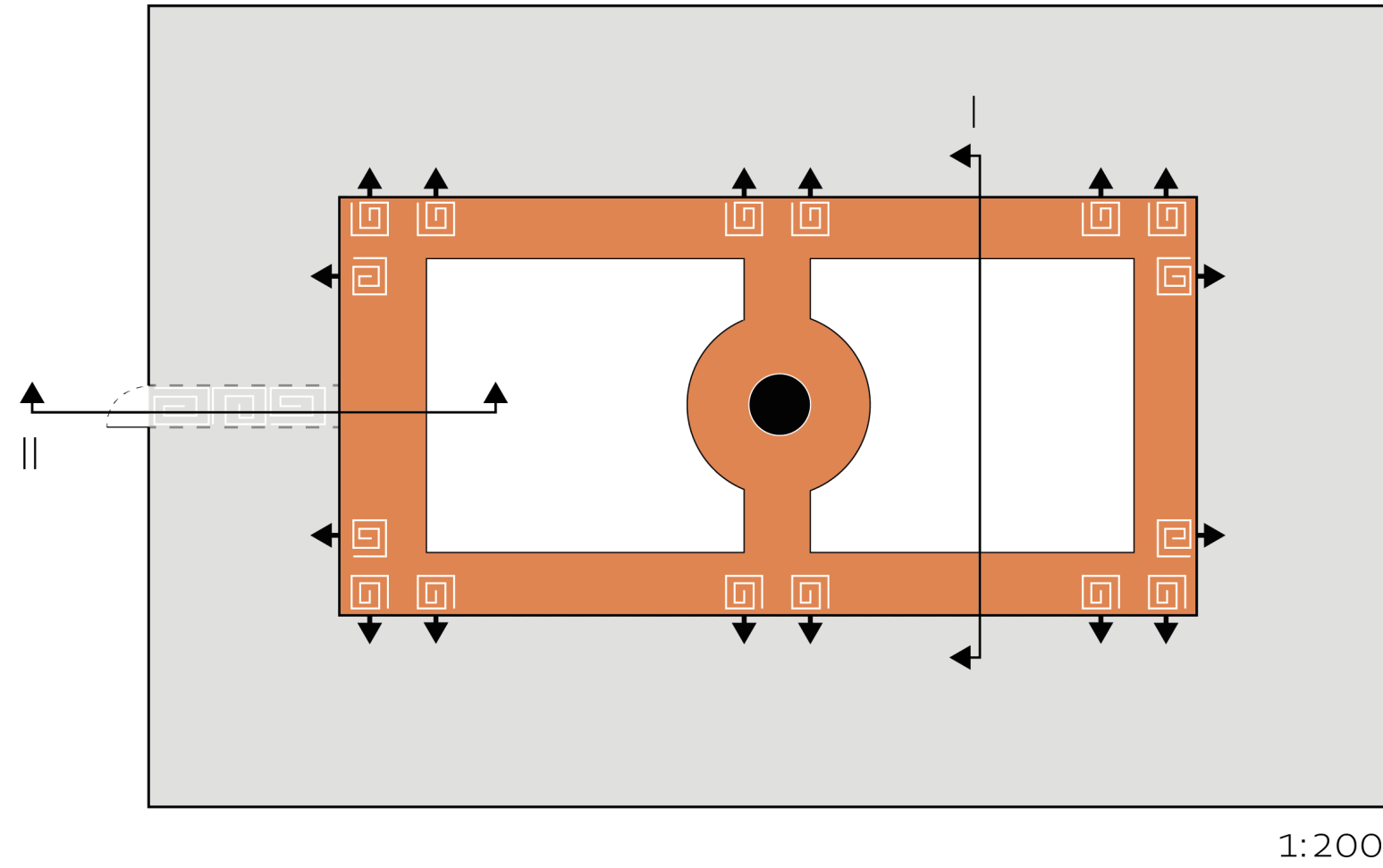


Barzilay, 2016

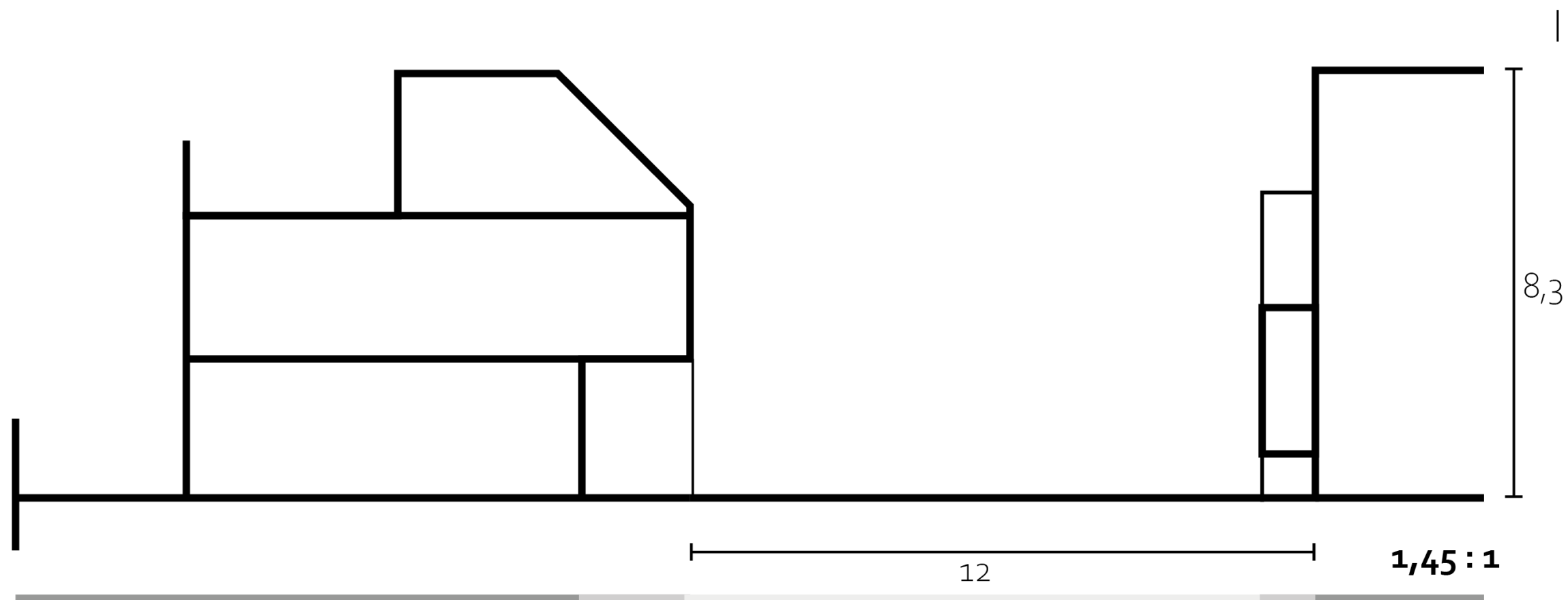
De Nieuwe Weerdjes



Brouckhovenshof

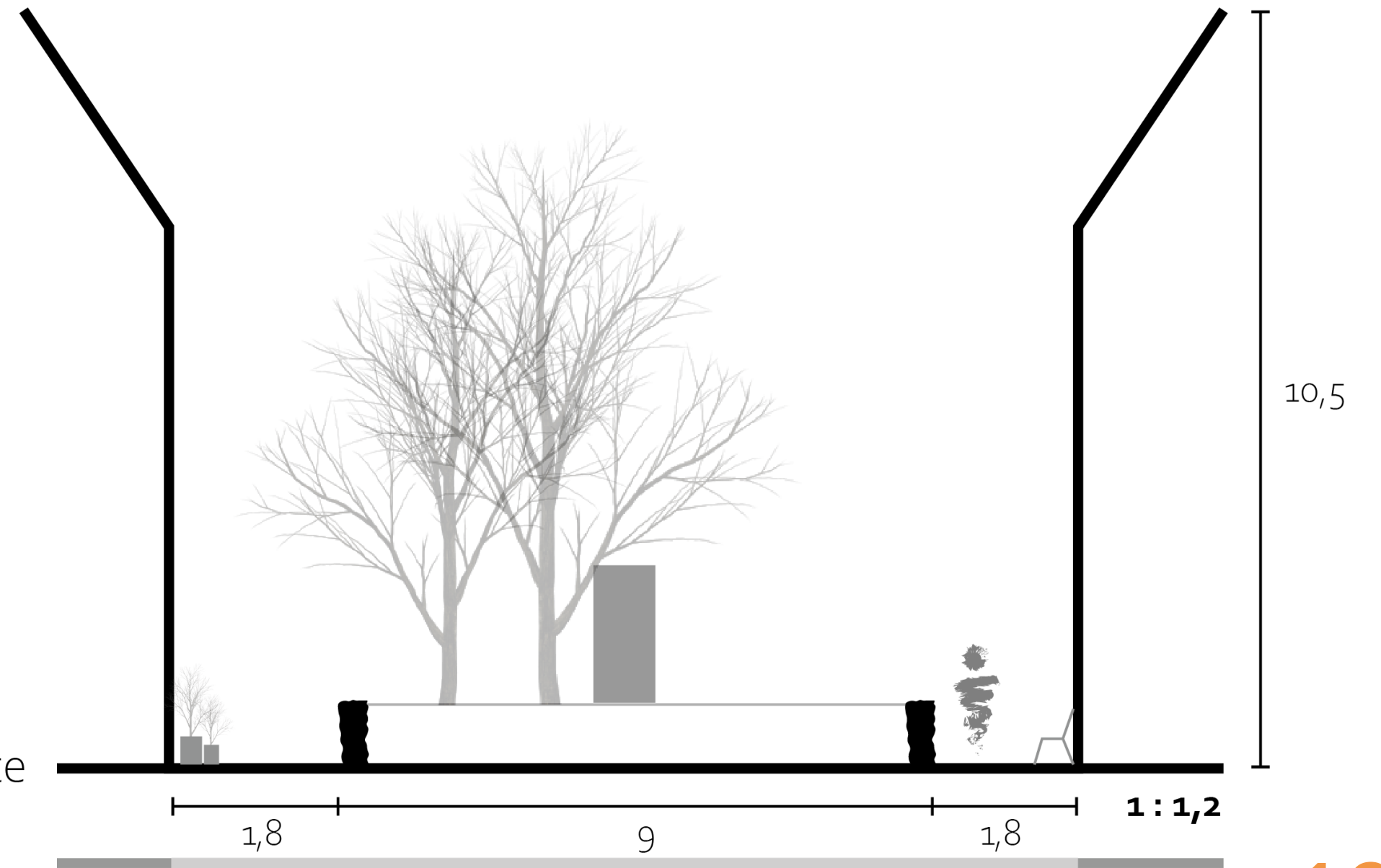


De Nieuwe Weerdjes



public
semi-private
private

Jan Pesijnhof



“for how long can I still run up and down those **stairs**?”

“the ideal apartment complex is like a **village** in itself, a **mix** of **ages** and **programme**”

“a **communal garden house** in the **courtyard** encourages gardening and eating together”

“our **wide hallway** is truly a **place to stay** where everyone knows each other”

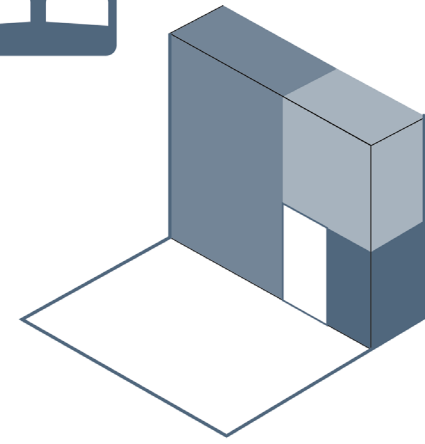
“without **suitable spaces** for **interaction**,
there is no increase of socializing”
(Williams, 2006)

“**inclusivity** is realized by providing
affordable housing” (Zahrah & Gamal, 2018)

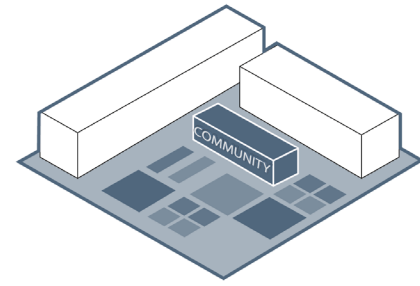
“**overlooking** from residential and
commercial properties, can generate
feelings of **safety**”
(Dempsey, 2008)

inclusivity - accessibility - quality

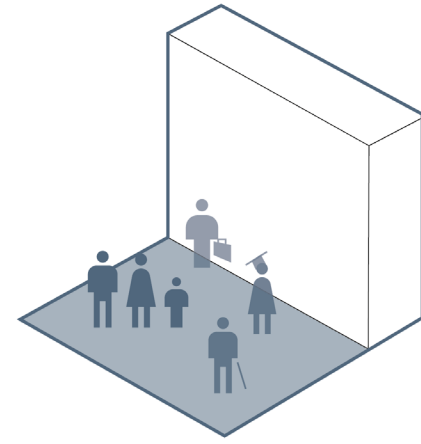




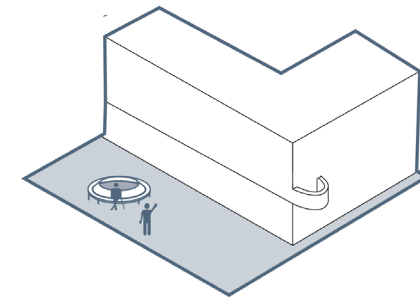
Housing for everyone



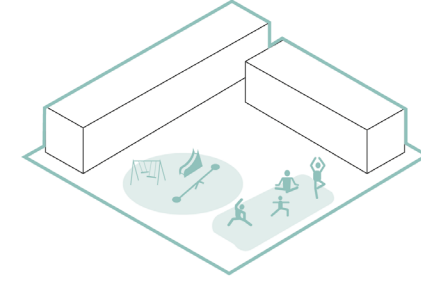
Collective spaces



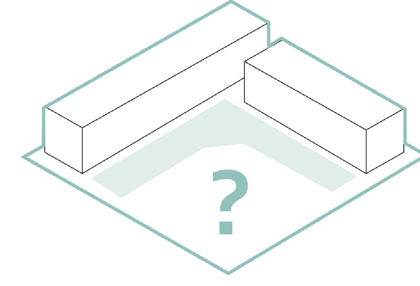
Diverse resident mix



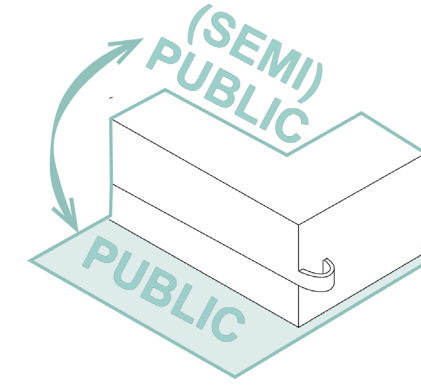
Possibility to meet in public space



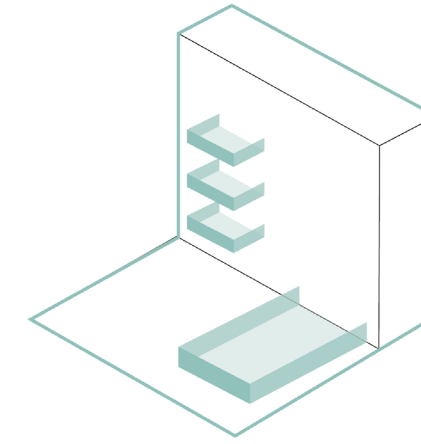
Places for (outdoor) activities



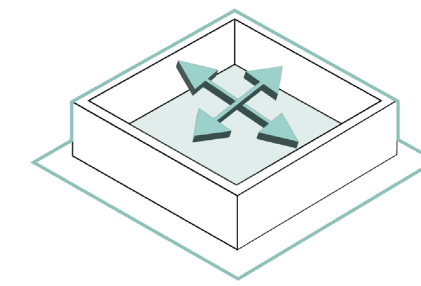
No unused/confusing space



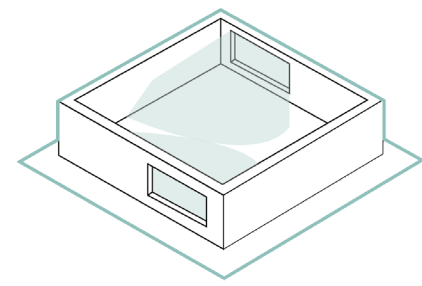
Separation of private & public



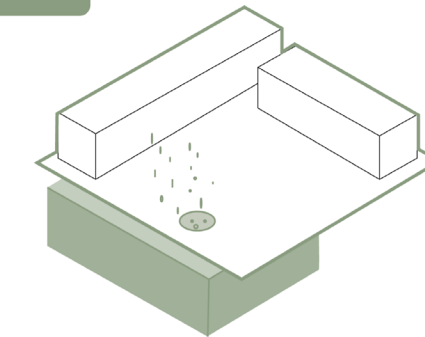
Private outdoor space



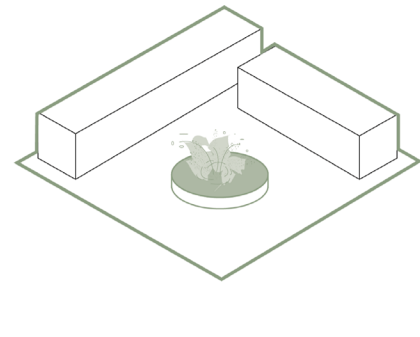
Spacious dwelling



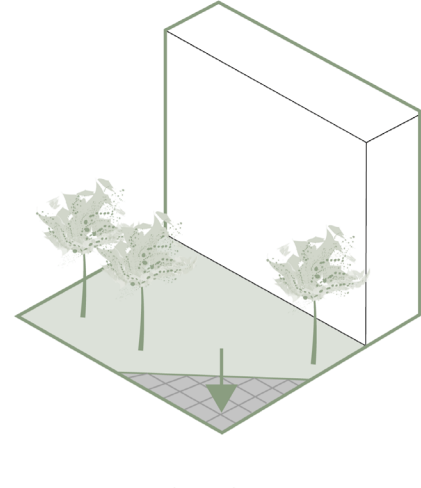
Light dwelling



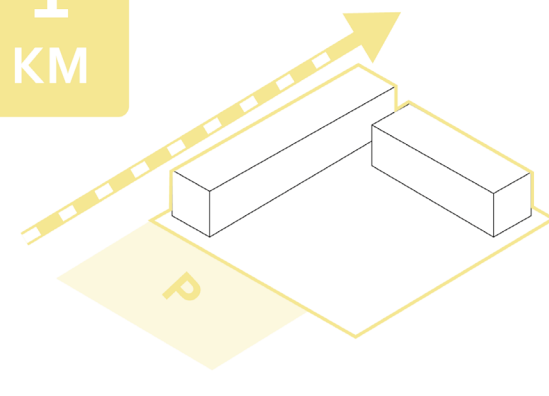
Water drainage / storage



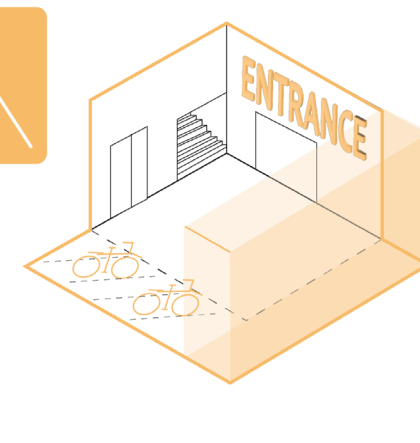
Visible water



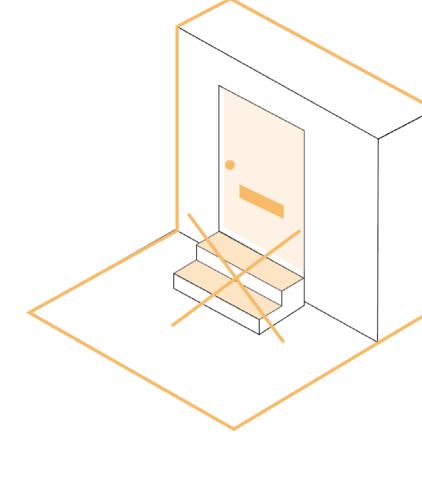
Greenery rather than stone



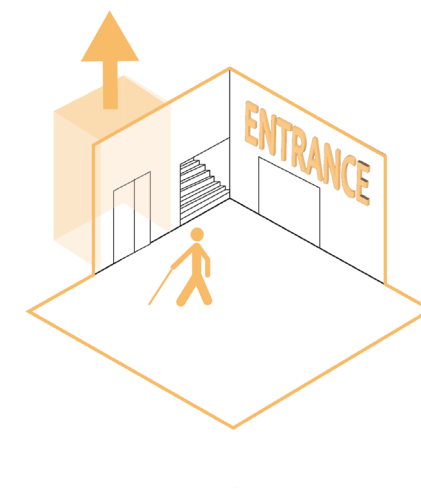
Parking & public transport nearby



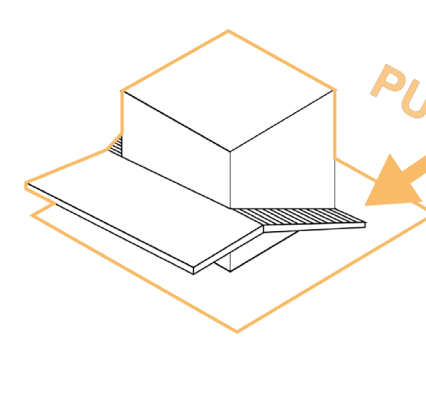
Access to bicycle & storage near entrance



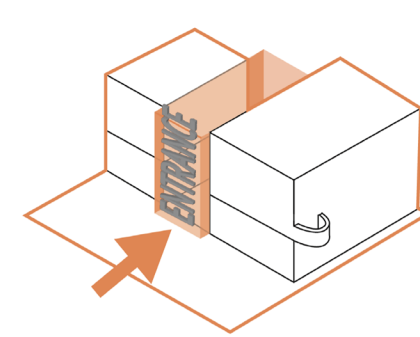
No threshold over 2cm



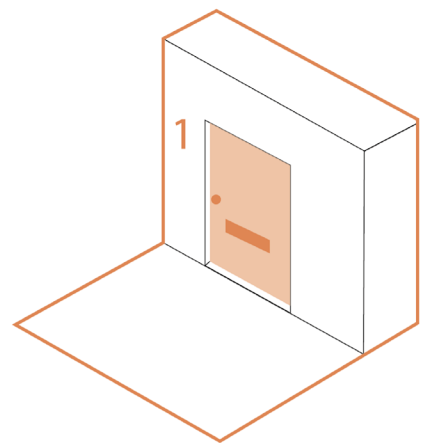
Access to higher floors by elevator



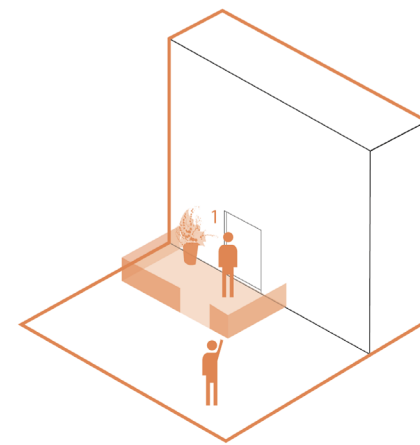
Public access



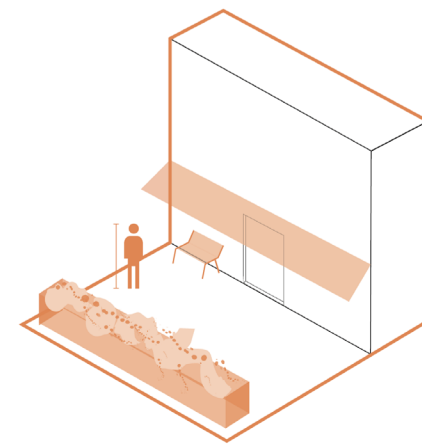
Recognizable entrance



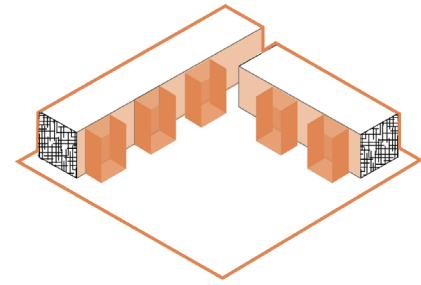
Own front door at street



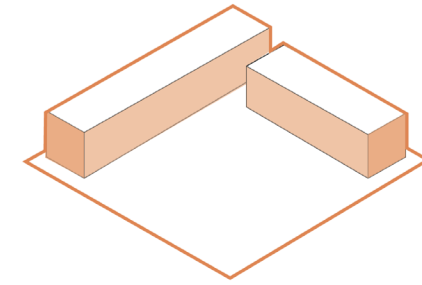
Buffer / hybrid space & appropriation



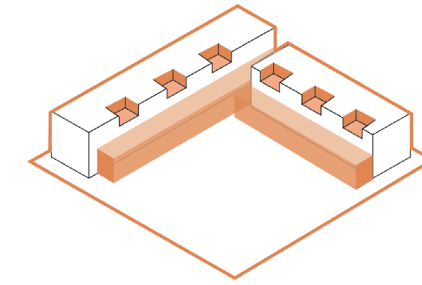
Human scale



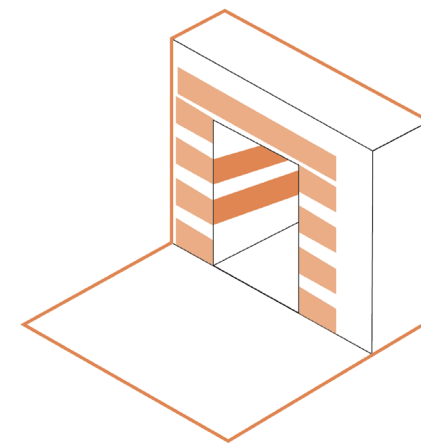
Coherence of buildings



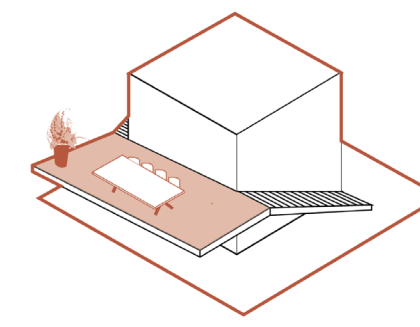
Neutral facades



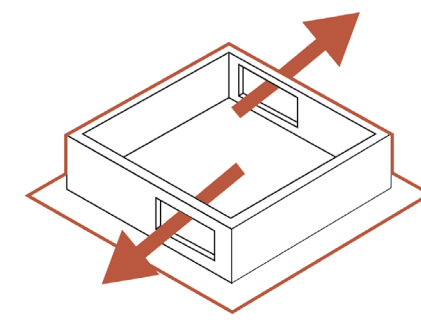
Depth & plasticity of facade



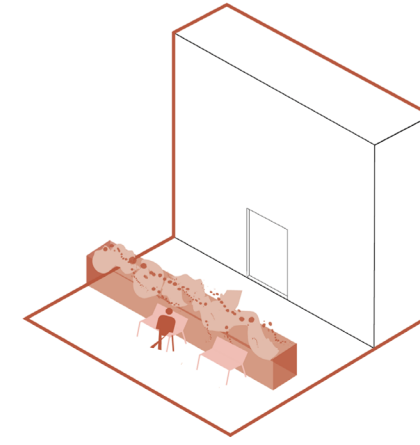
Marked entrances & underpasses



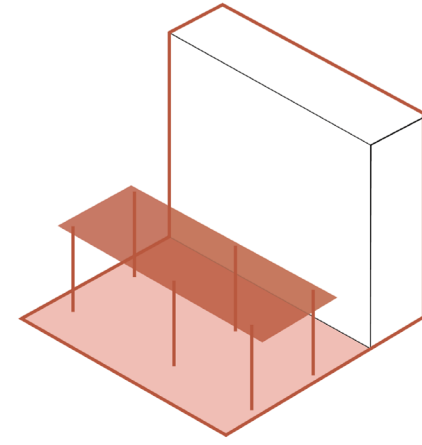
Quality of staying in circulation space



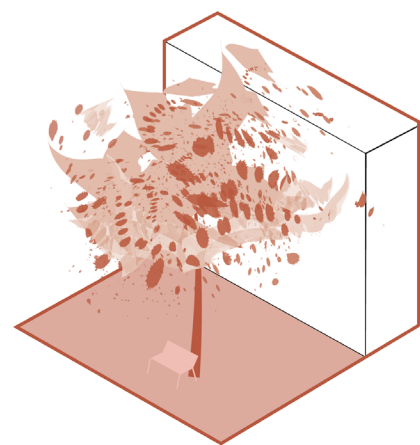
View on activity from inside



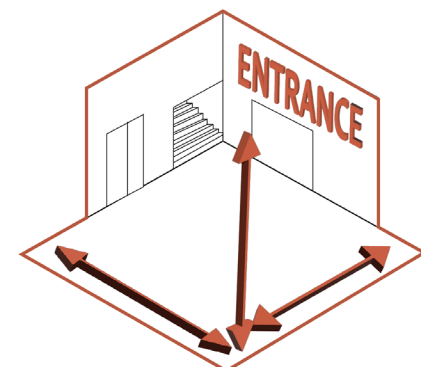
Places to sit and watch



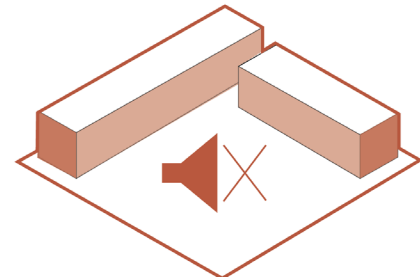
Sheltered outdoor spaces I



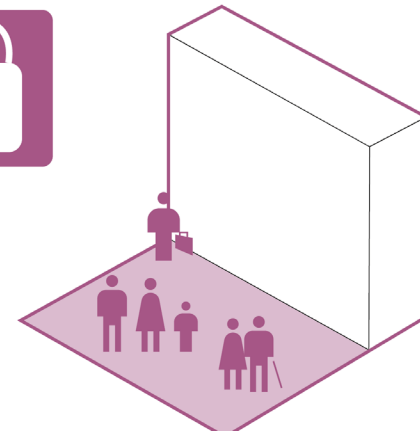
Sheltered outdoor spaces II



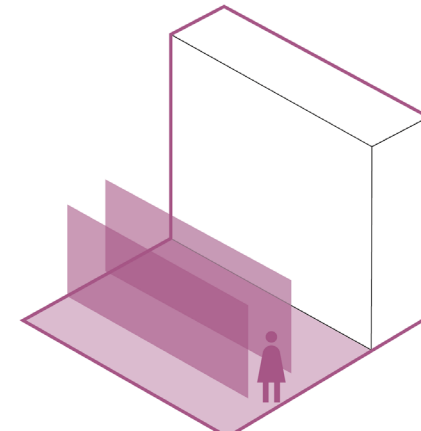
Spacious entrance



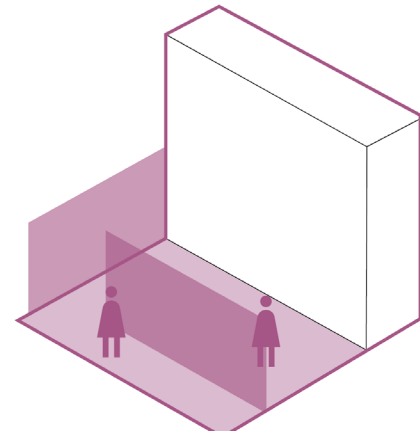
Quiet & peaceful environment



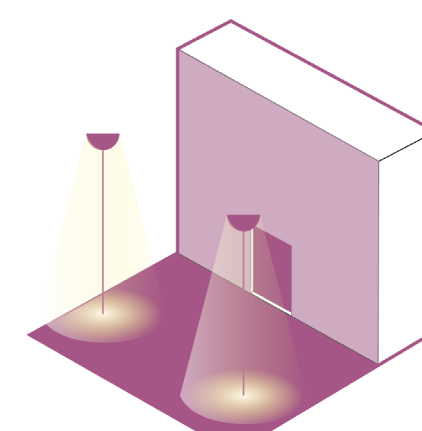
Presence of people in communal space



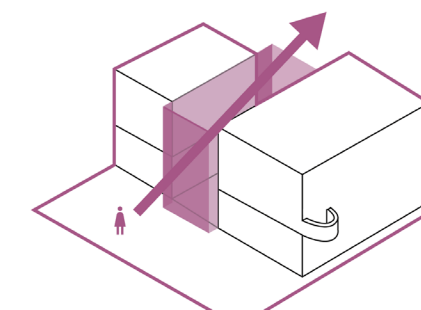
No narrow spaces



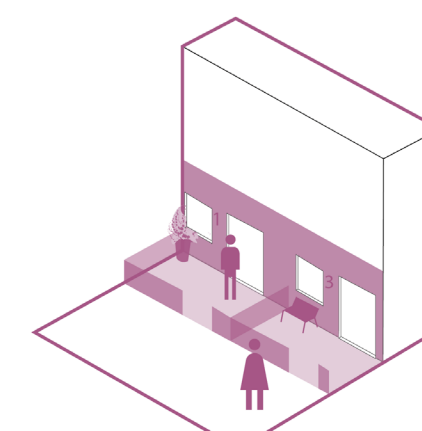
No corners or blocking of overview



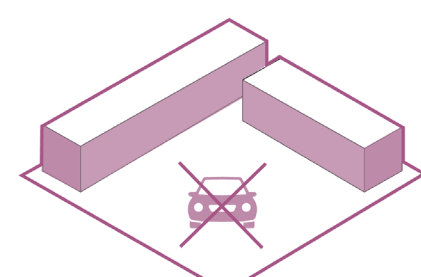
Safety at night: lighting



Sight on/through intensively used spaces



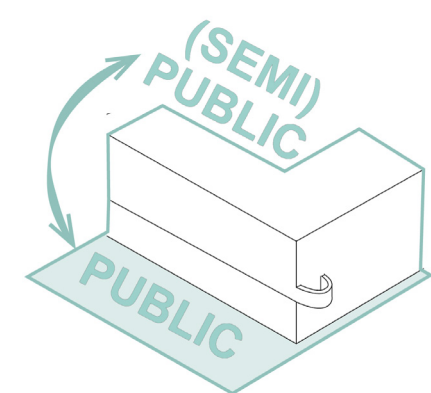
Occupied plinth



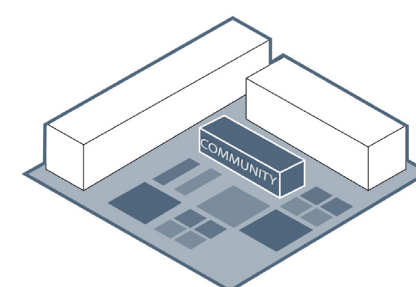
Car-free environment

Bijlmerplein

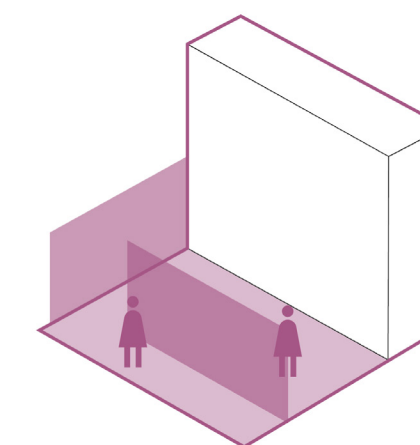
case studies



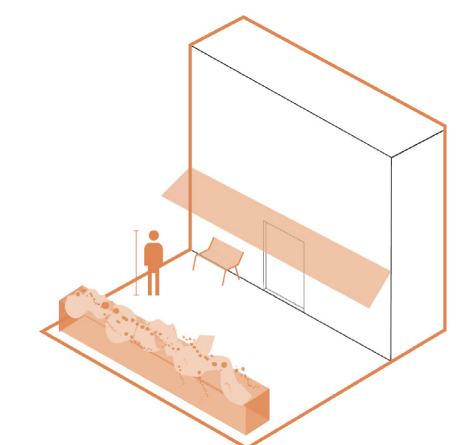
Separation of private & public



Collective spaces



No corners or blocking of overview



Human scale

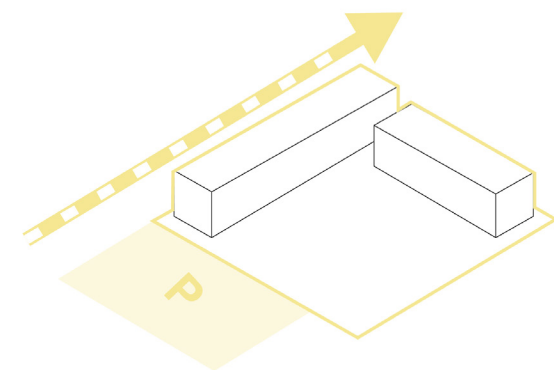
Bijlmerplein older generation



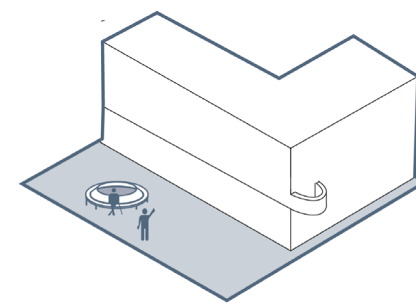
arenapoort.nl, n.d.



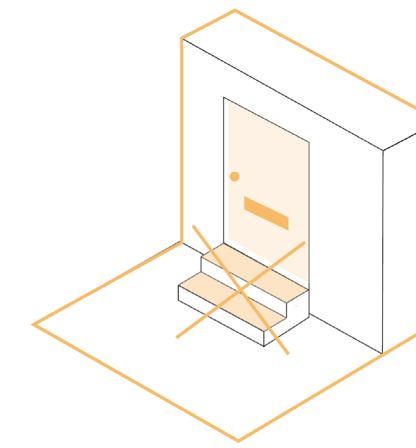
arenapoort.nl, n.d.



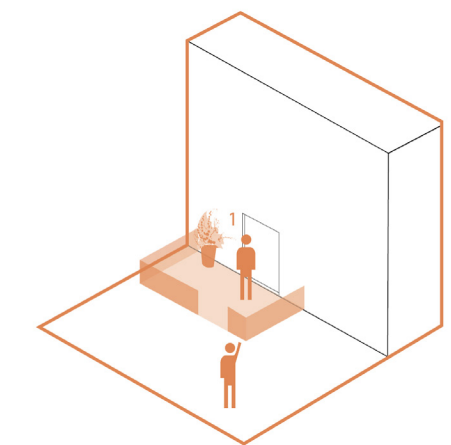
Parking & public transport nearby



Possibility to meet in public space



No threshold over 2cm



Buffer / hybrid space & appropriation

PRESERVE

affordability

reachability

IMPROVE

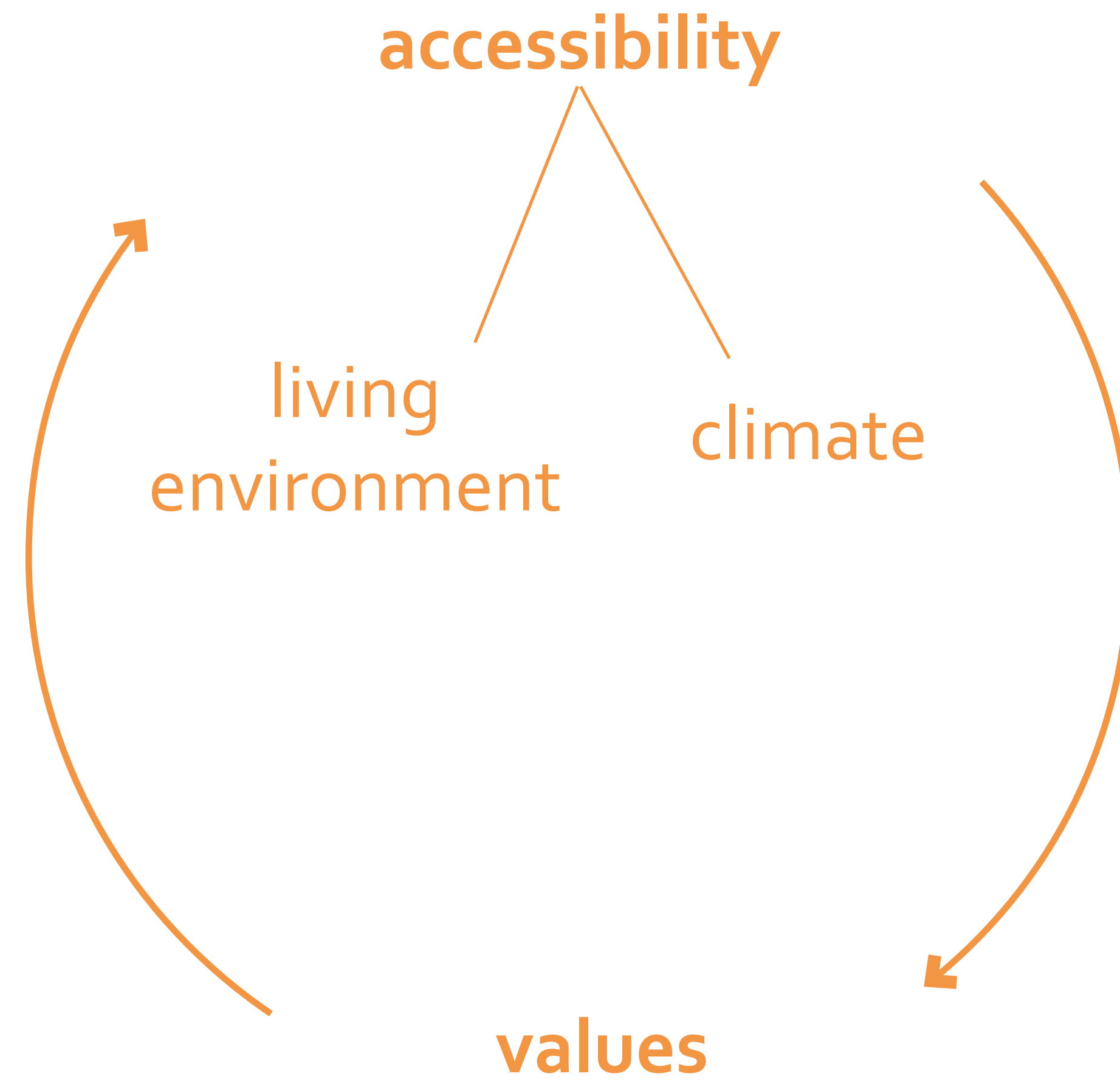
physical

openness

scale

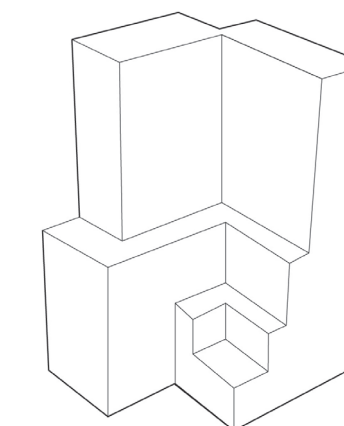
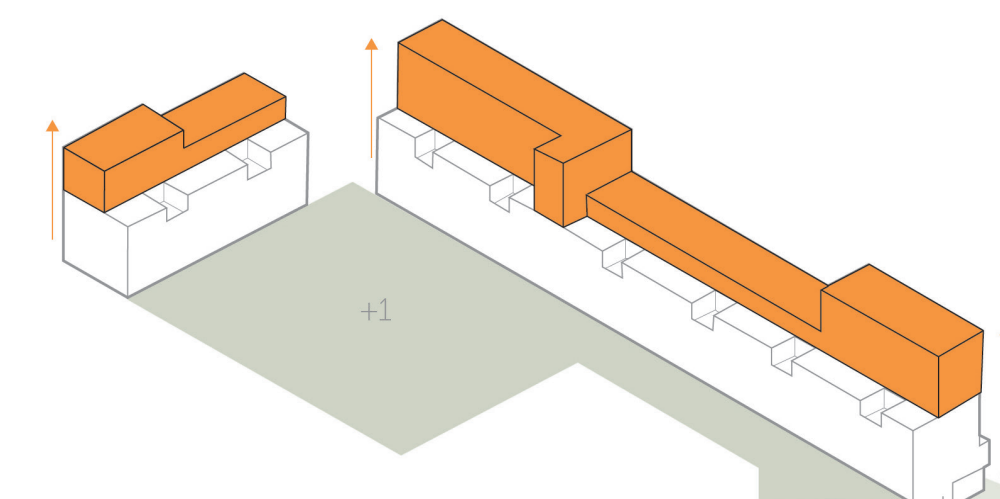
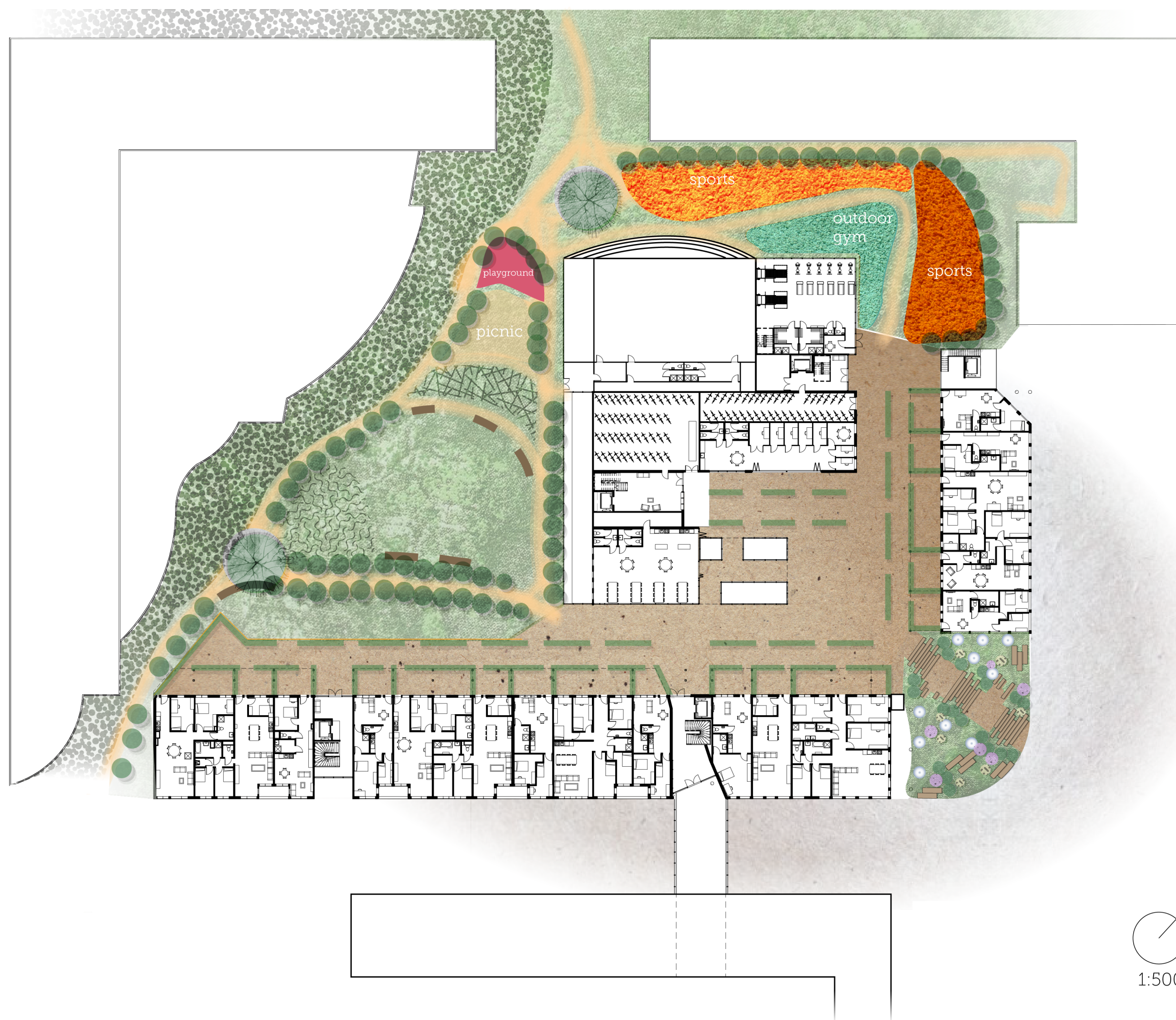
privacy

social

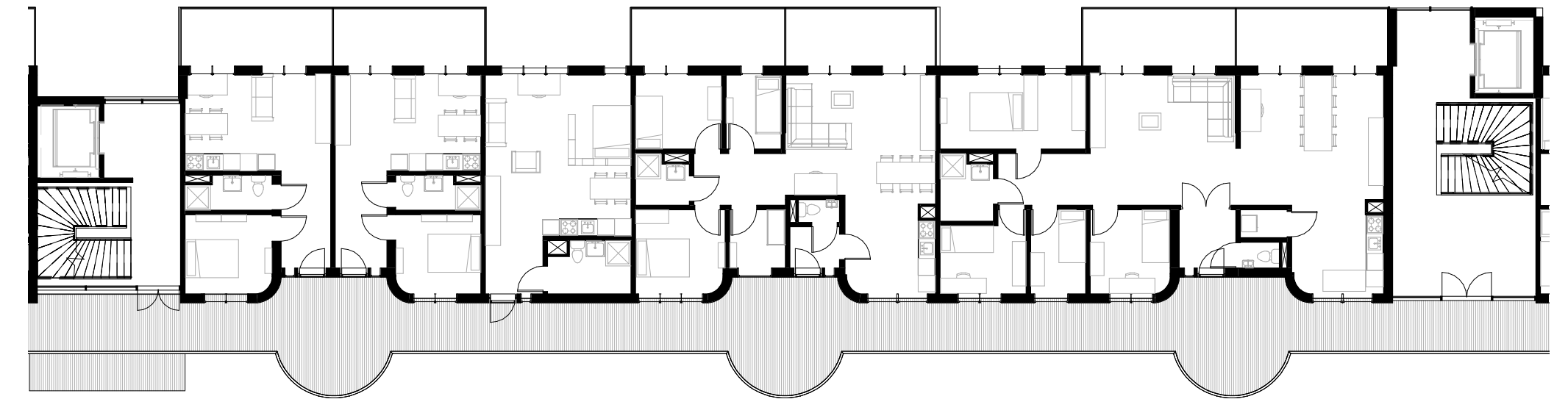


**physical
accessibility**

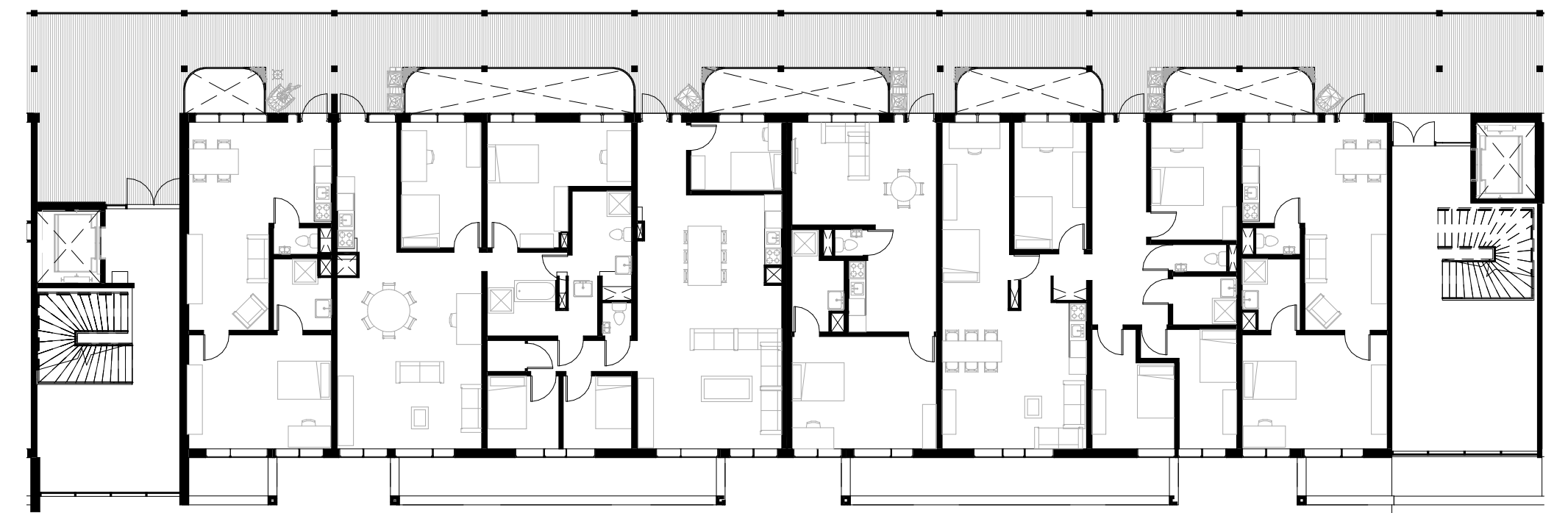
physical



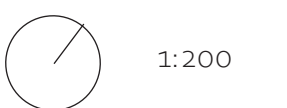
densification



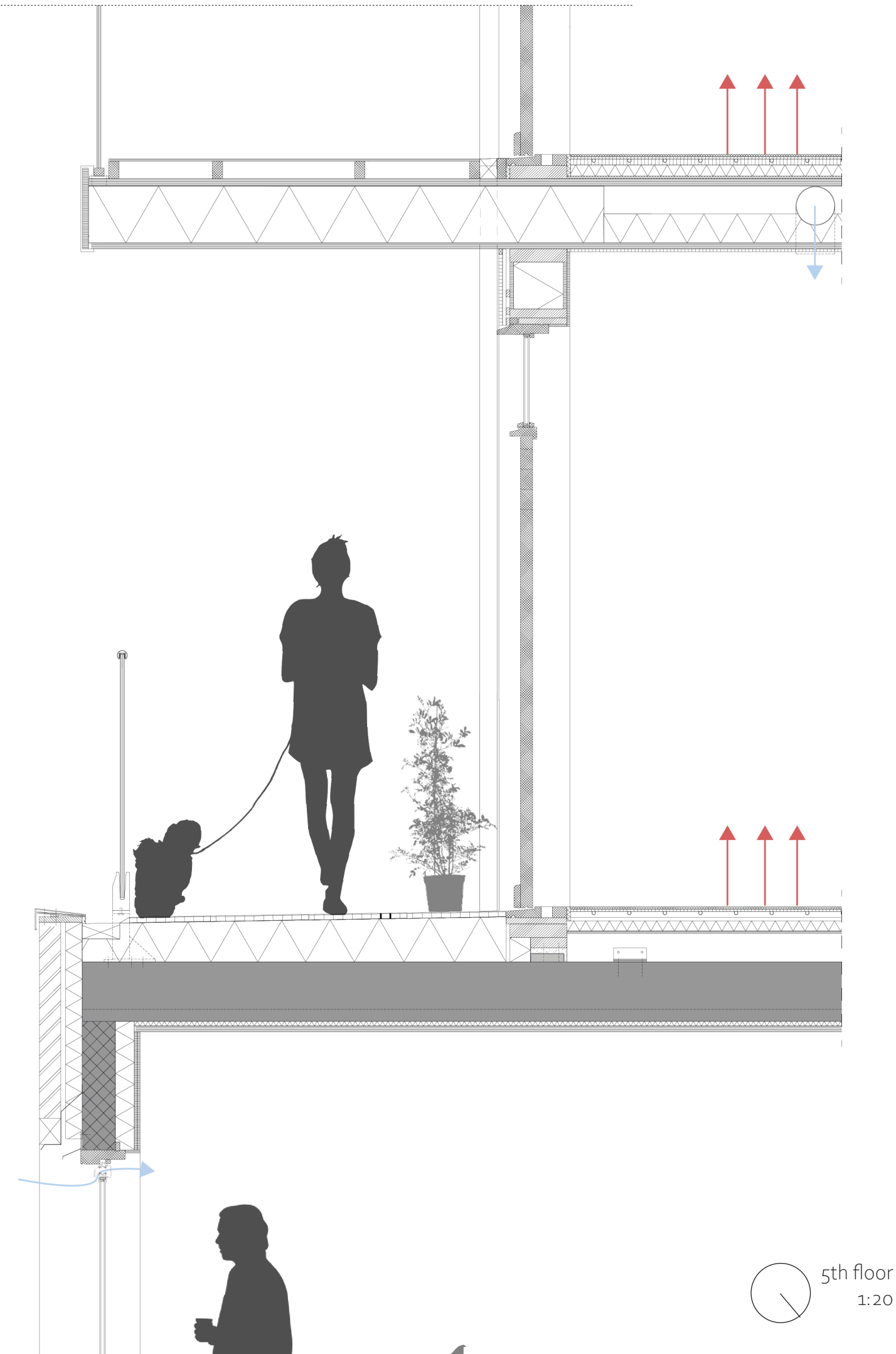
5th floor



2nd floor



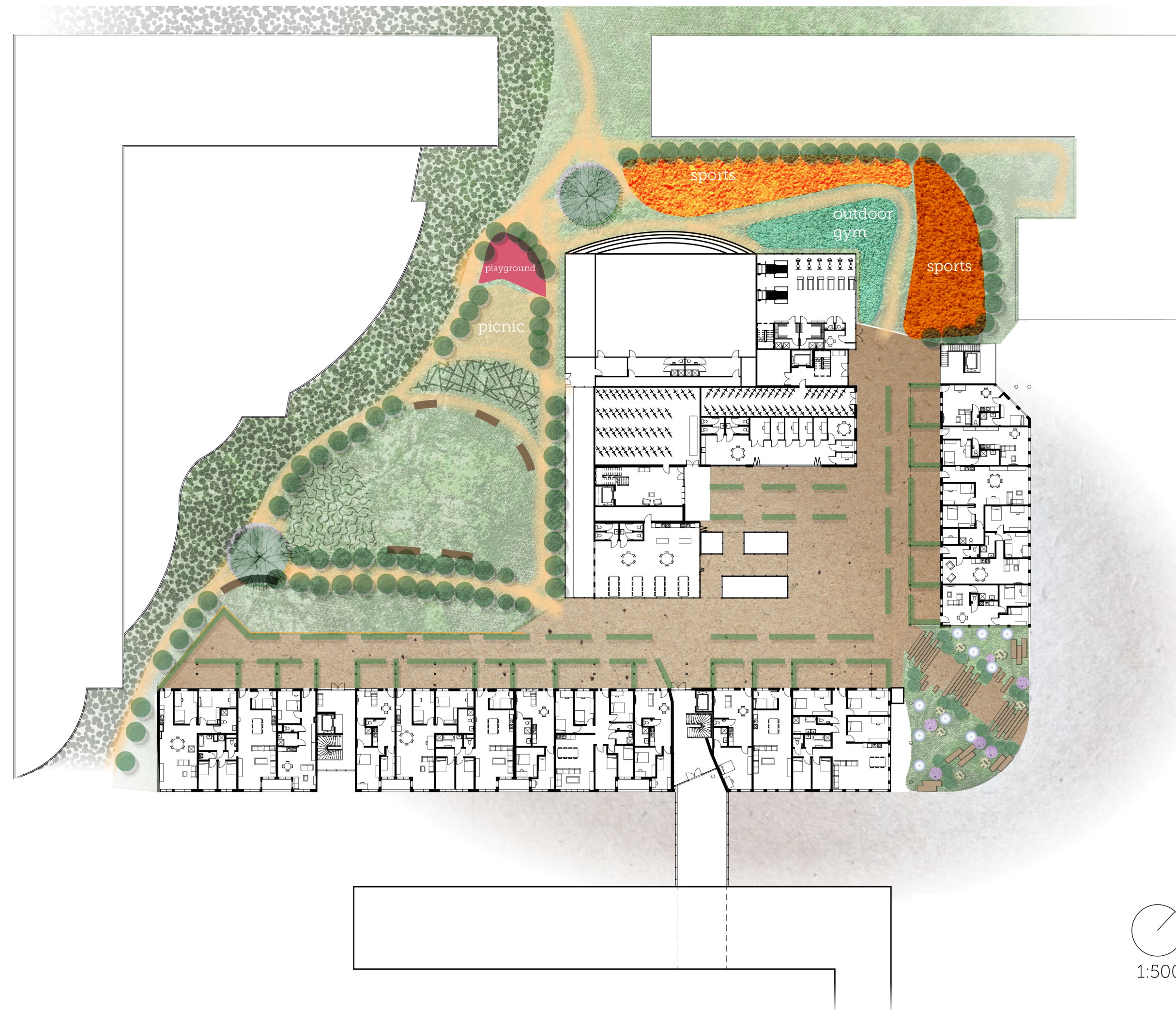
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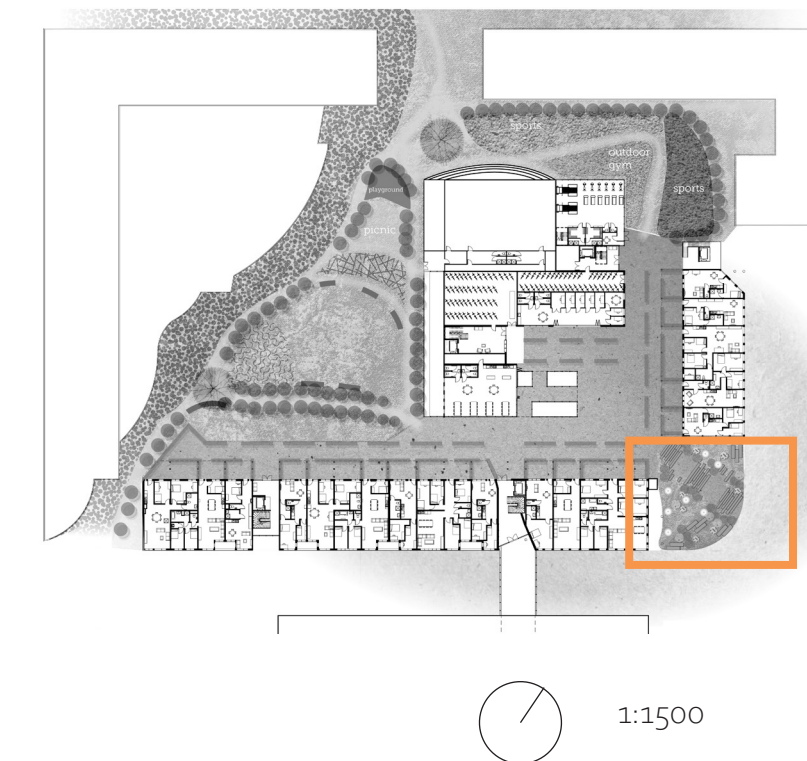
5th floor
1:20



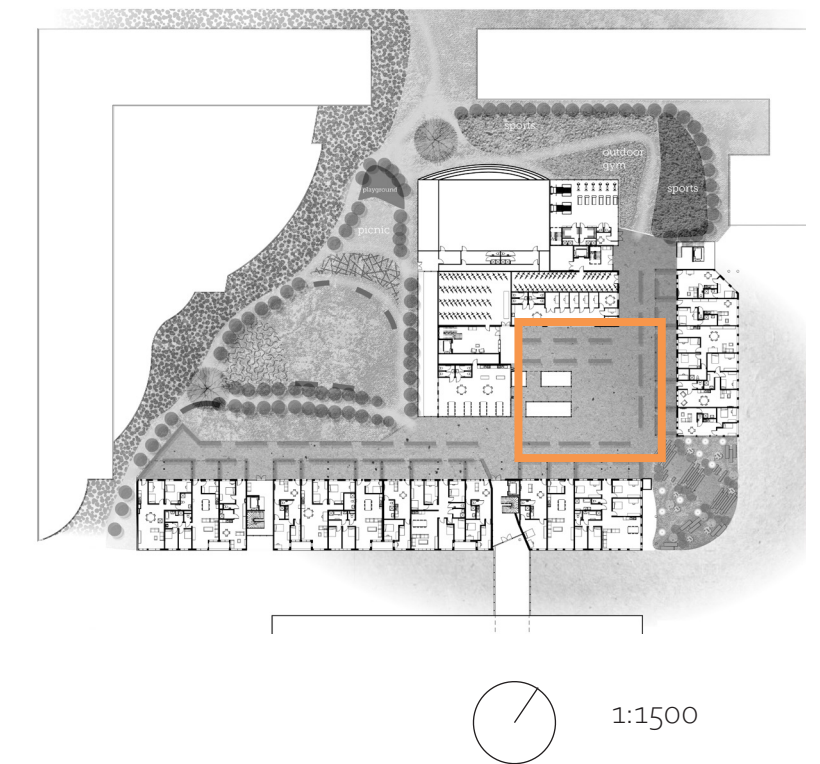
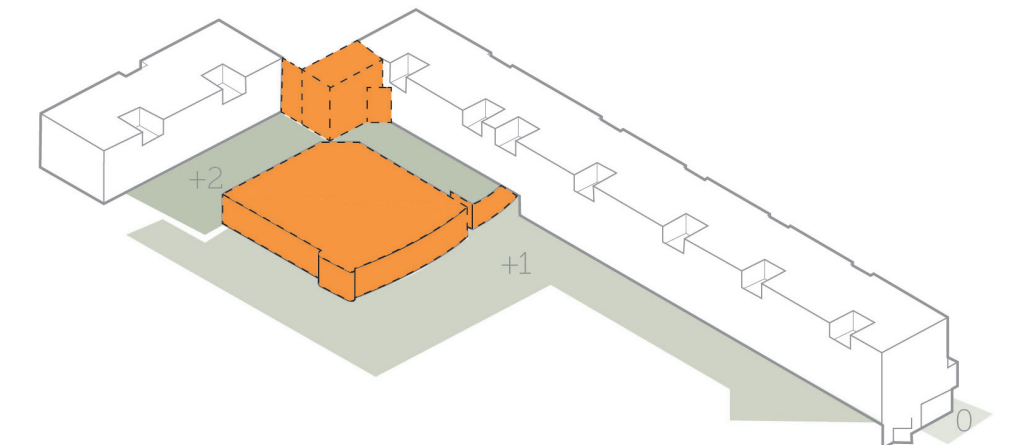
reachability

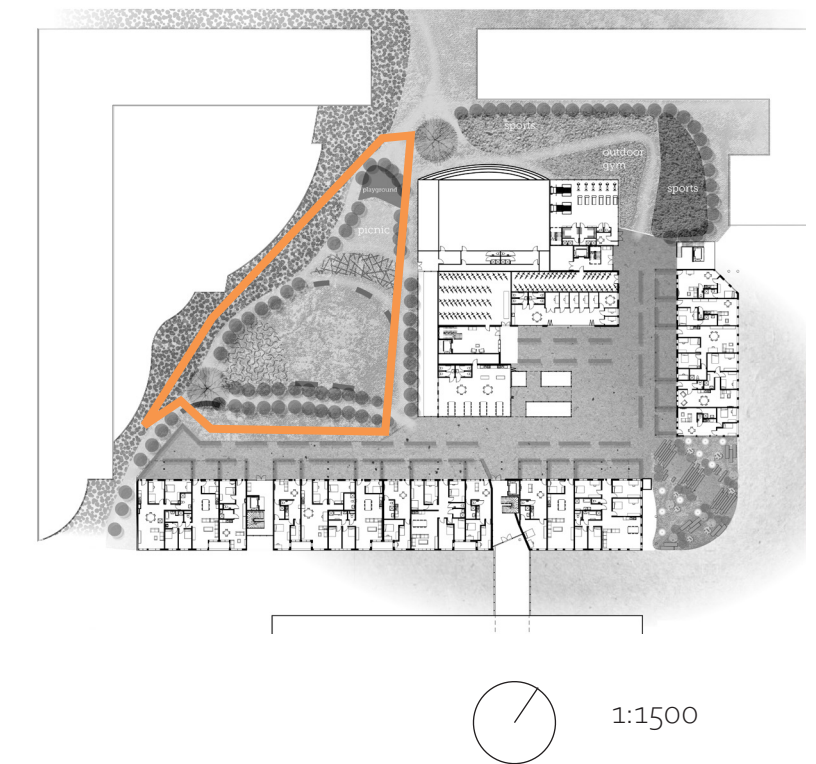


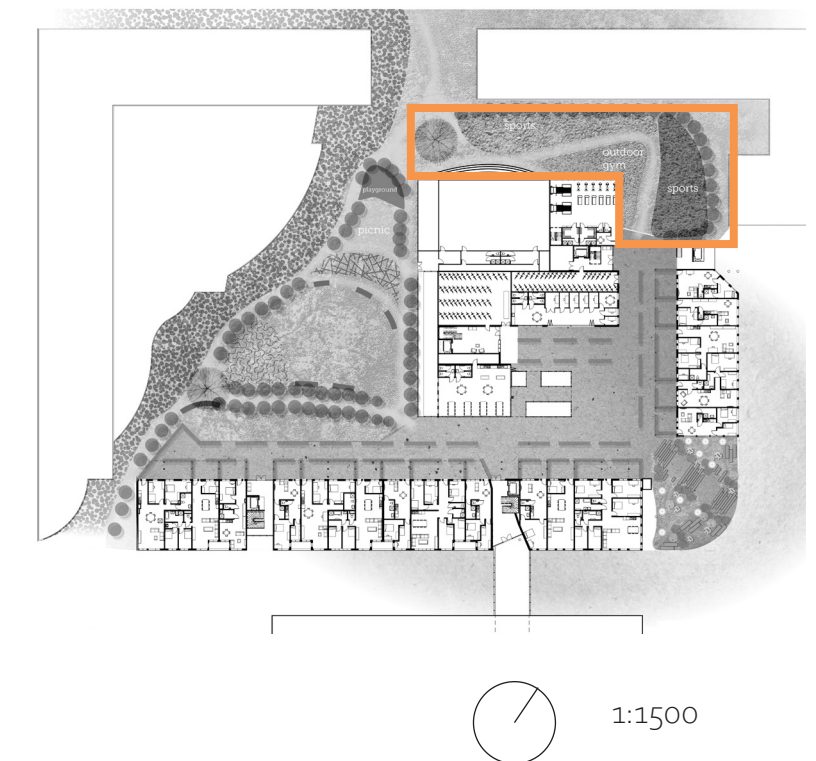
reachability

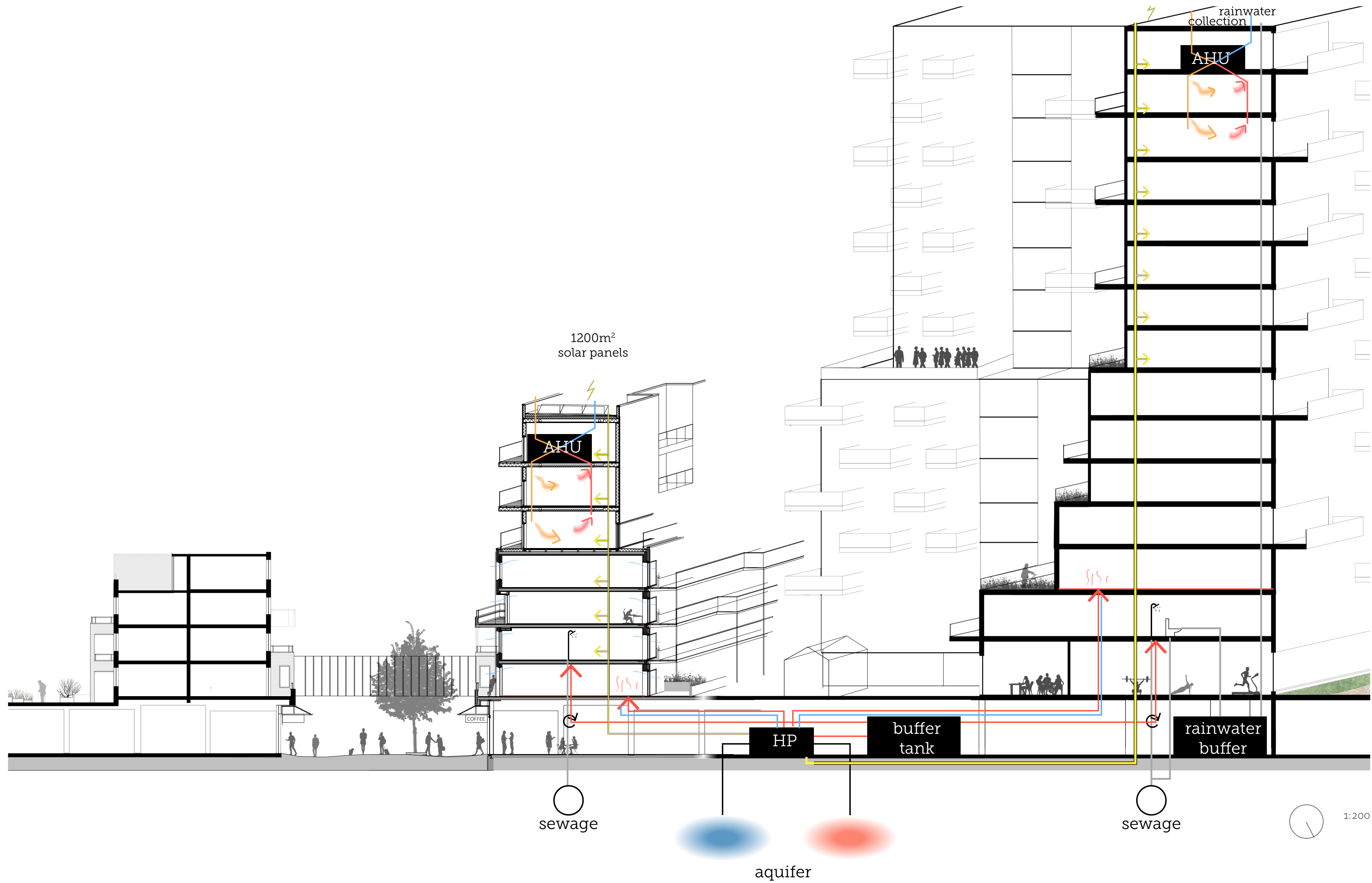


reachability

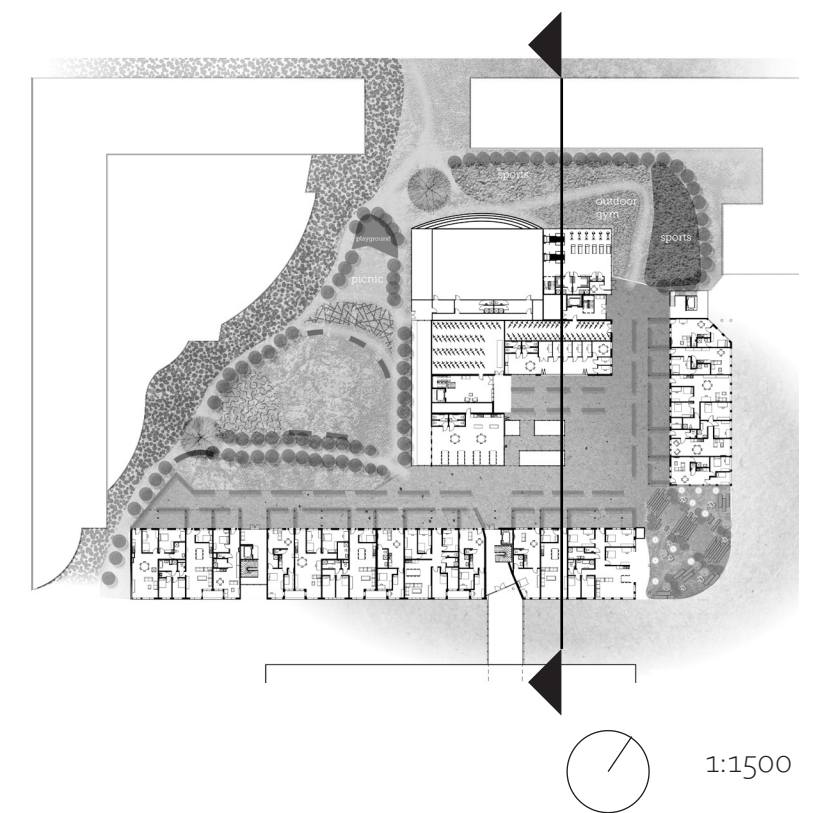






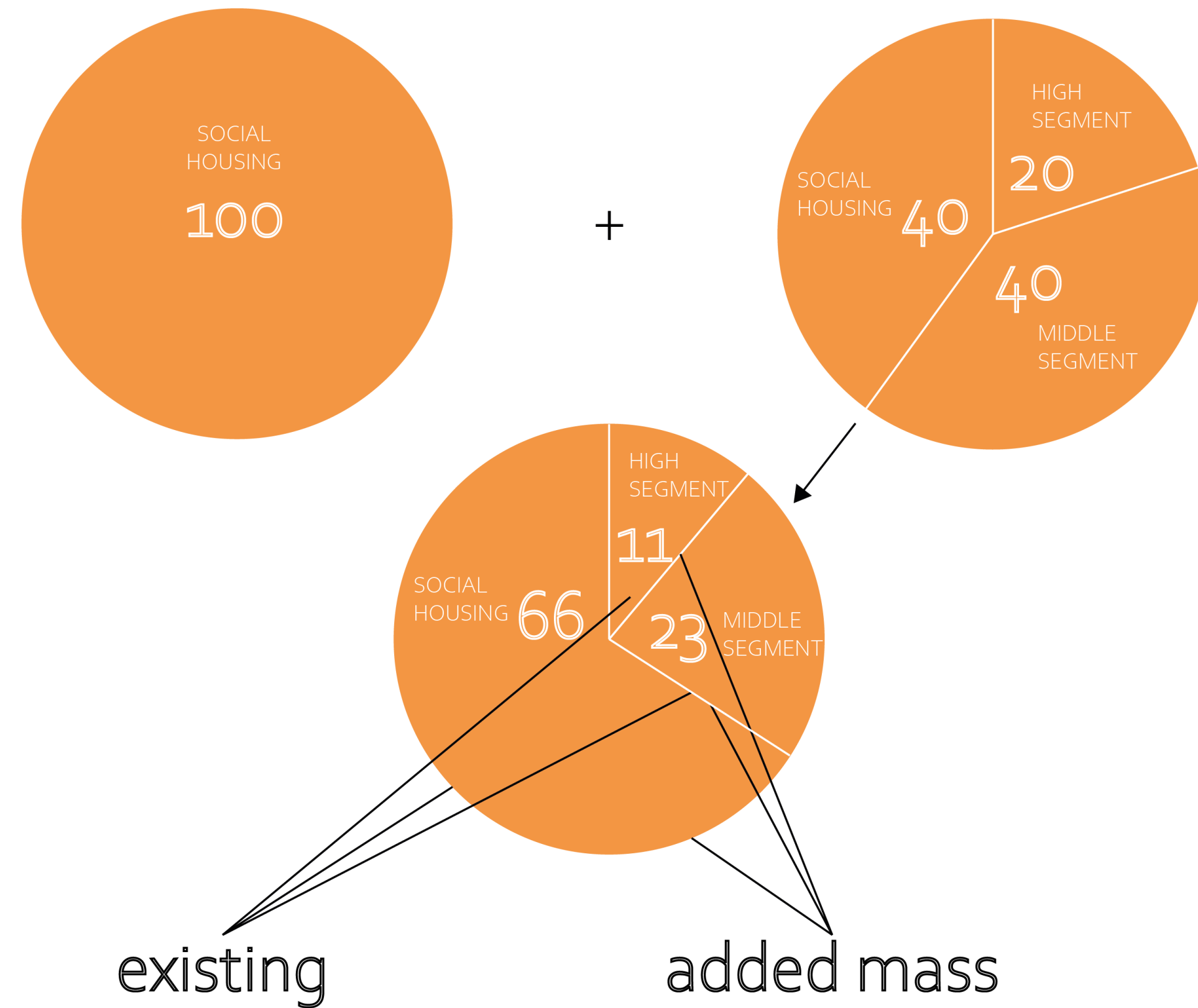


reachability

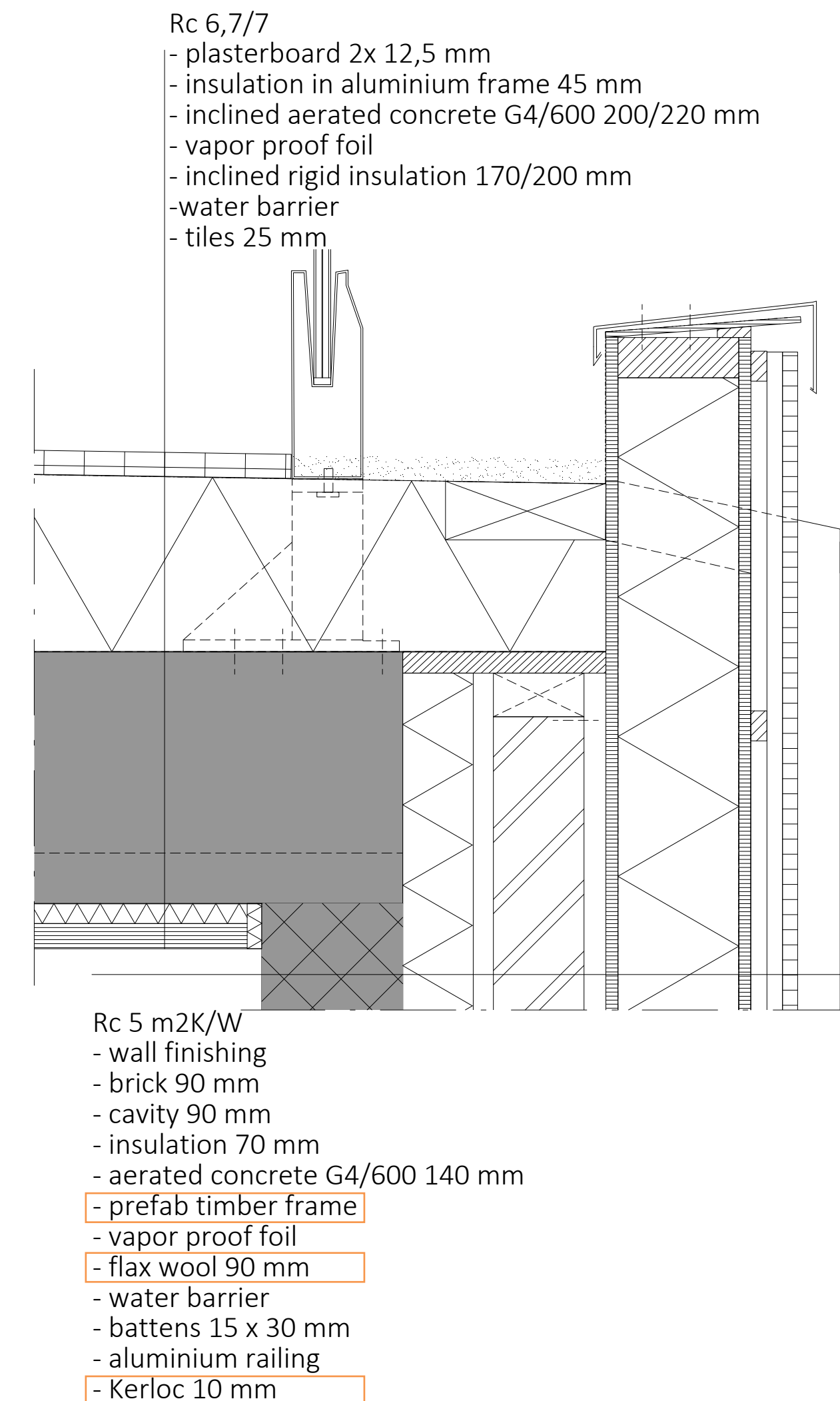


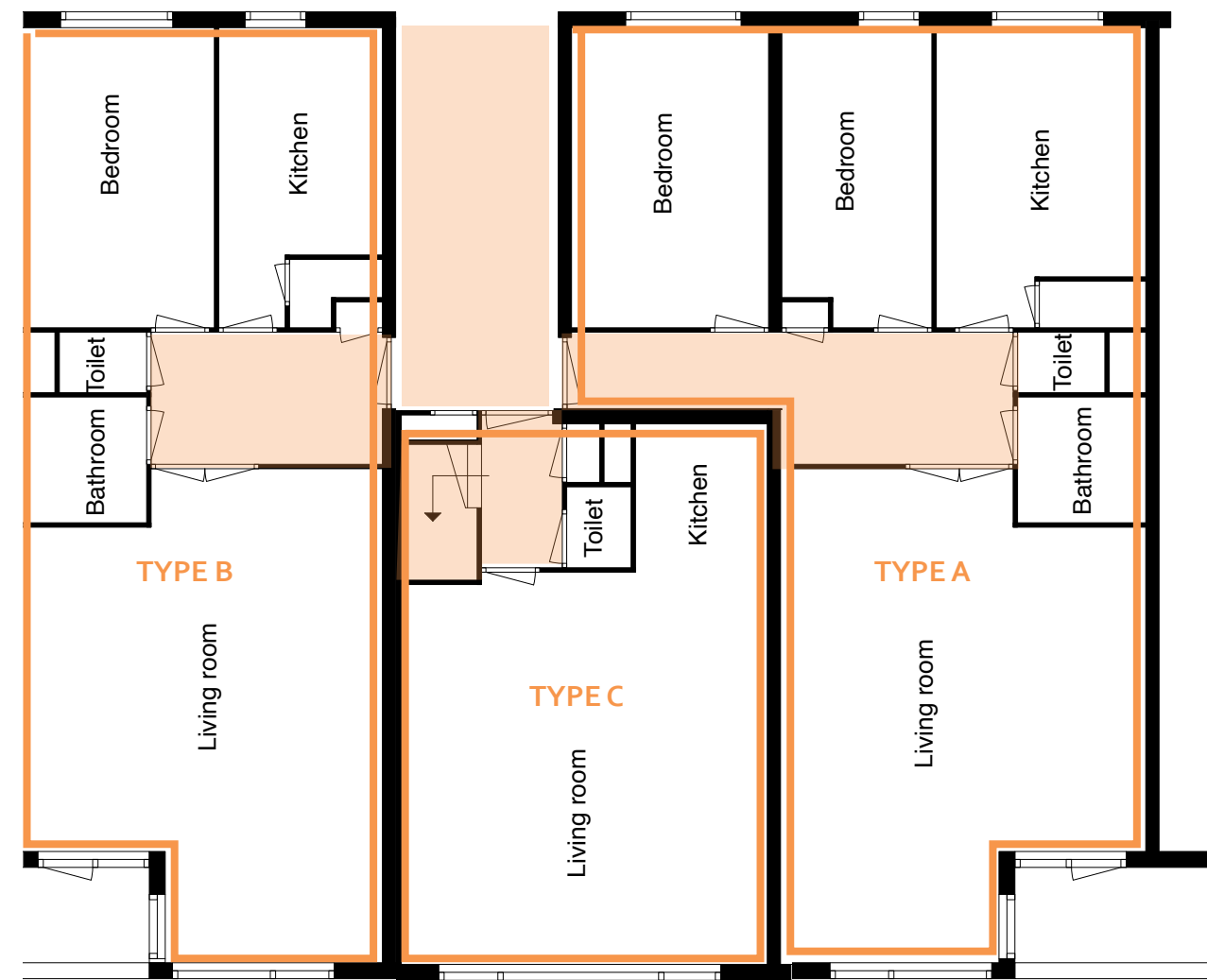
affordability

financial

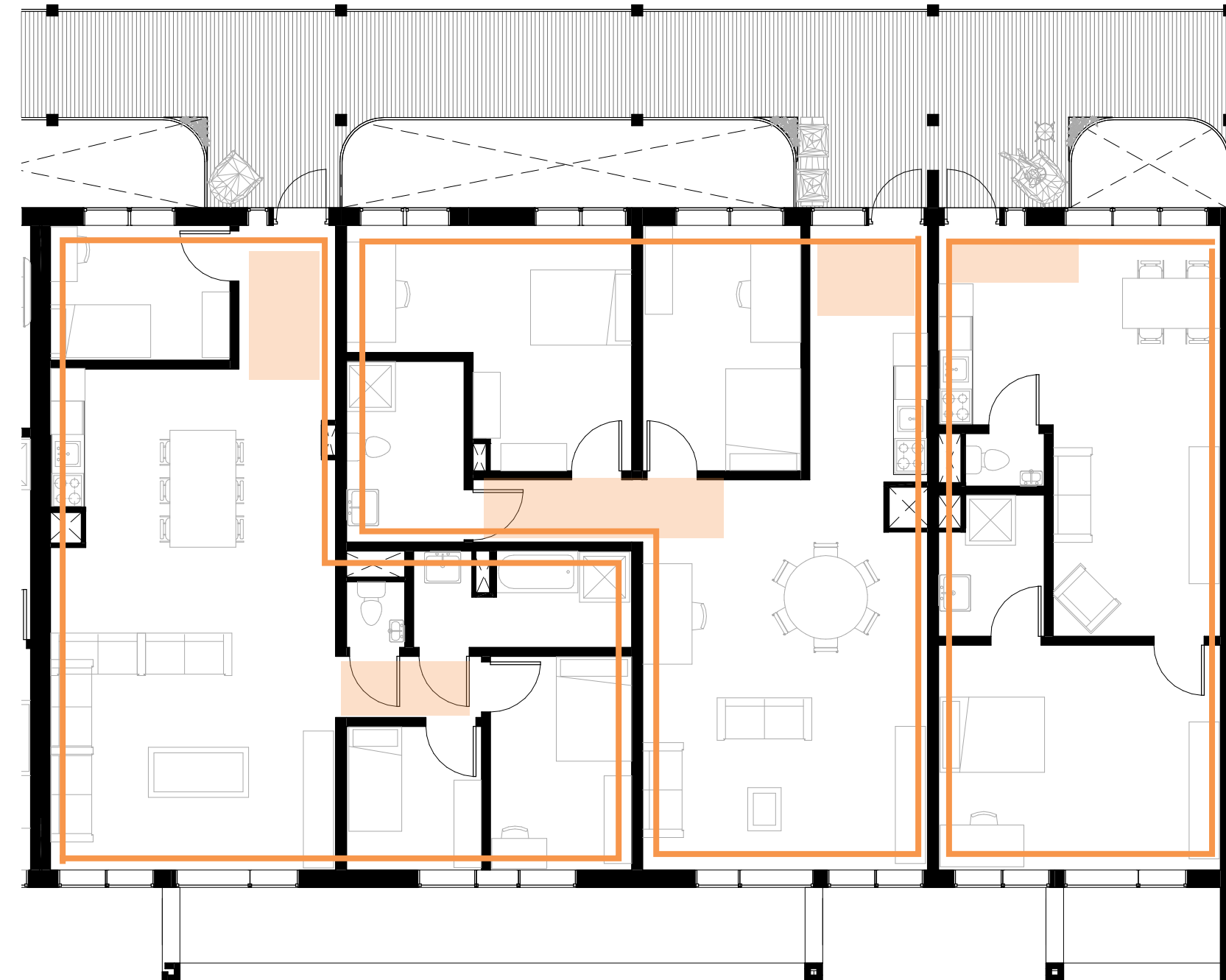


CO₂





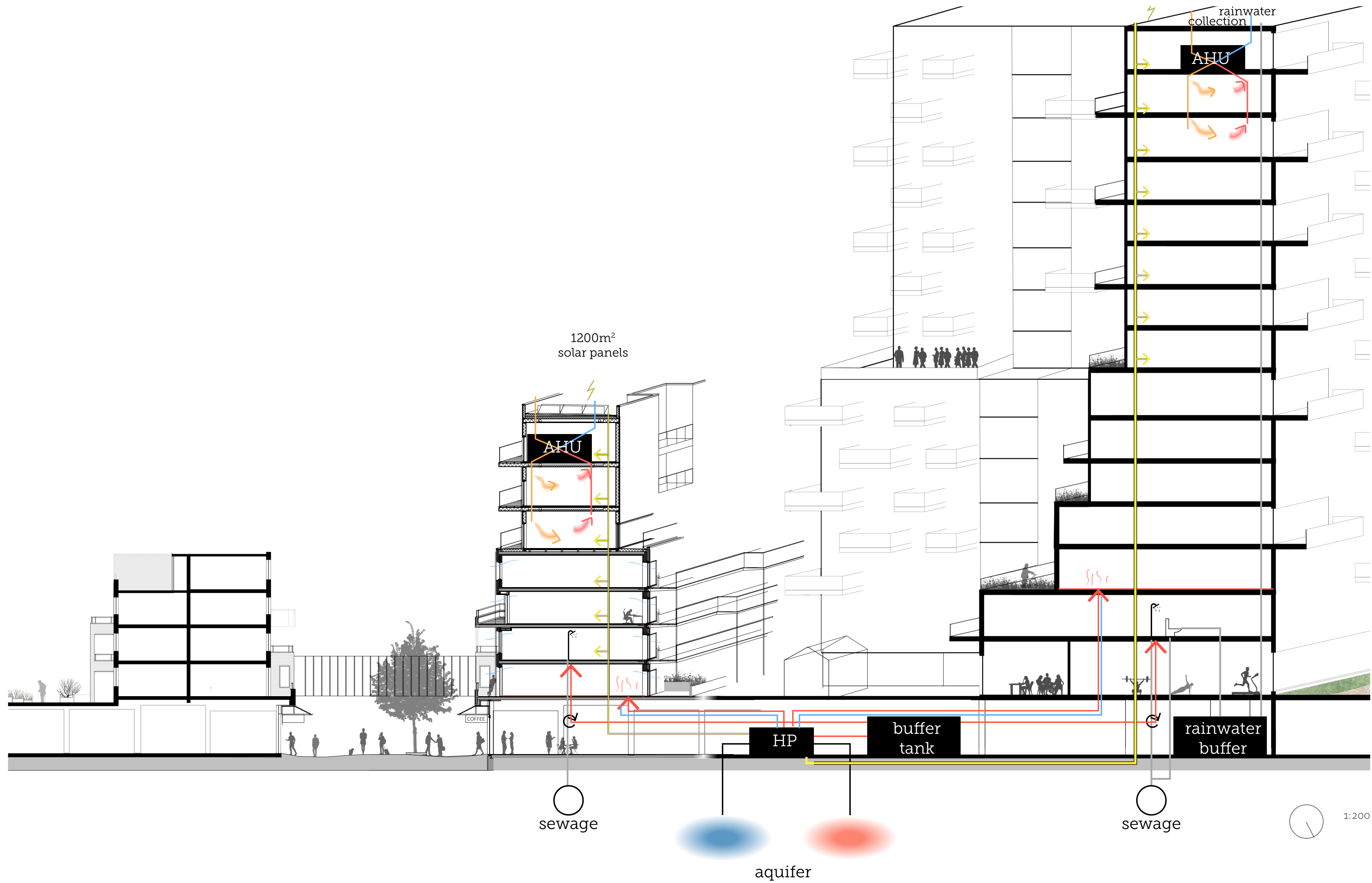
3rd floor
existing situation



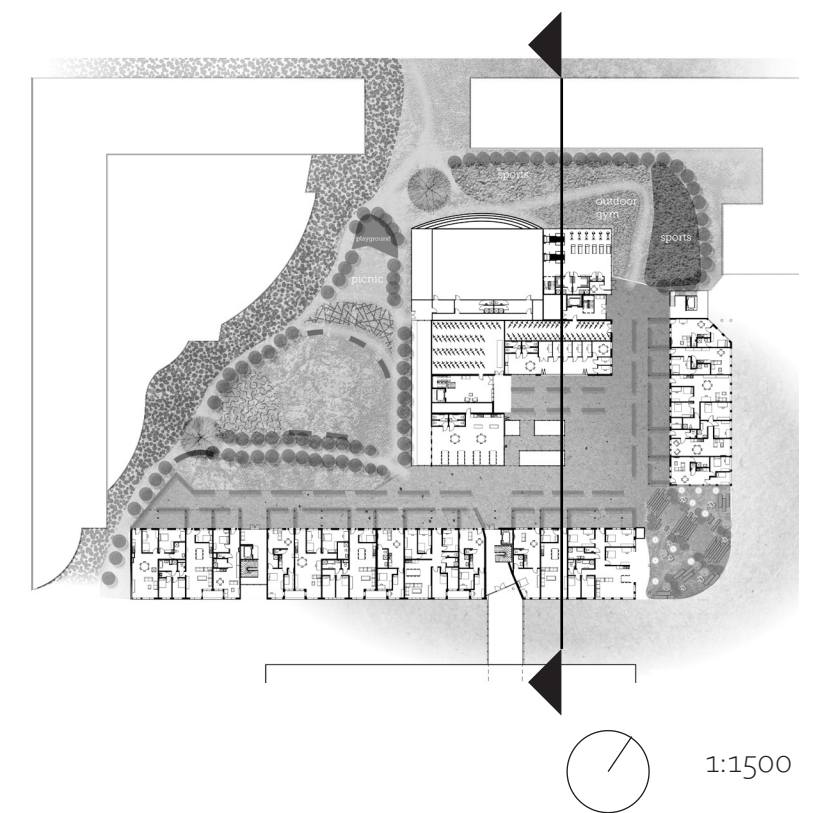
2nd floor
design proposal

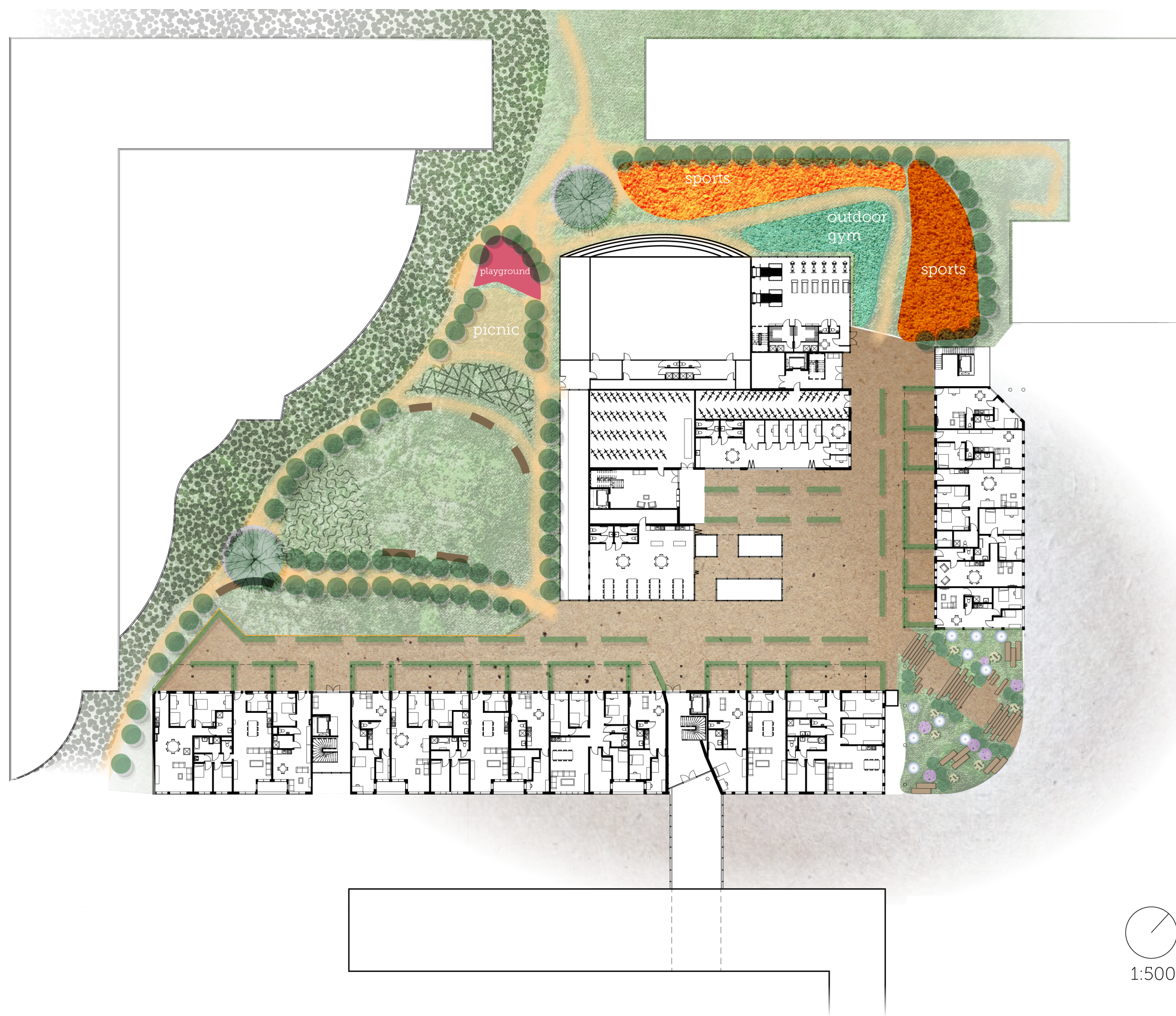


scale

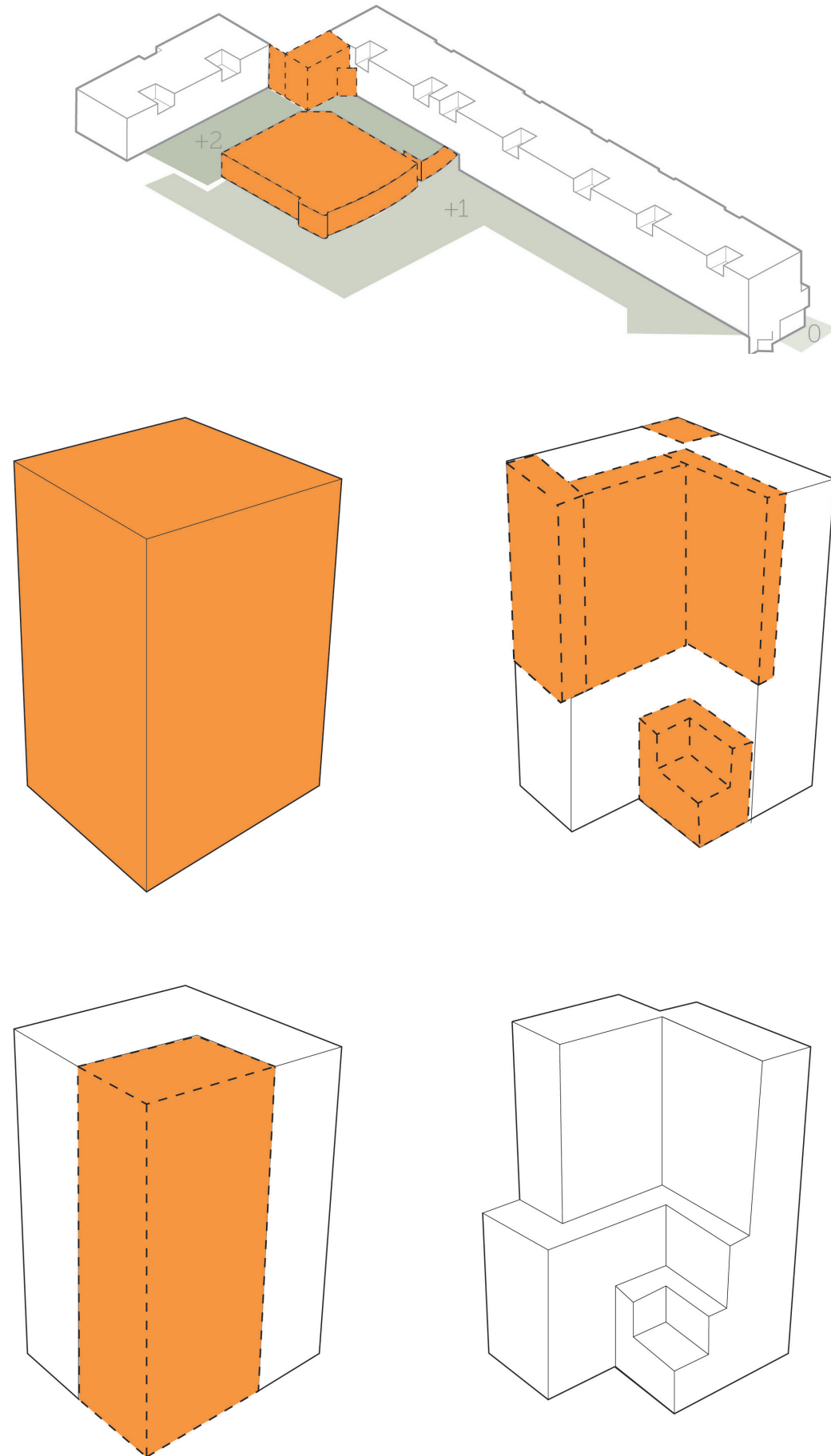


scale





openness



privacy

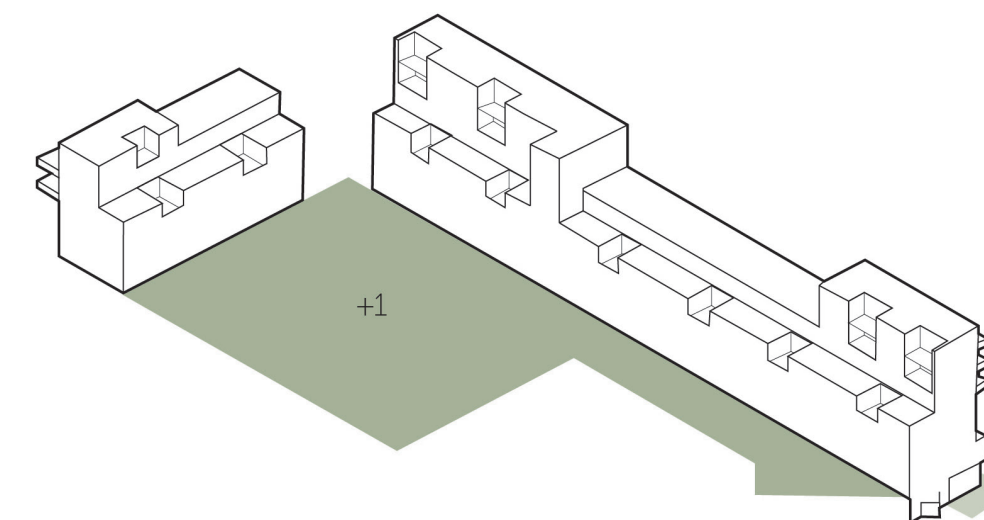
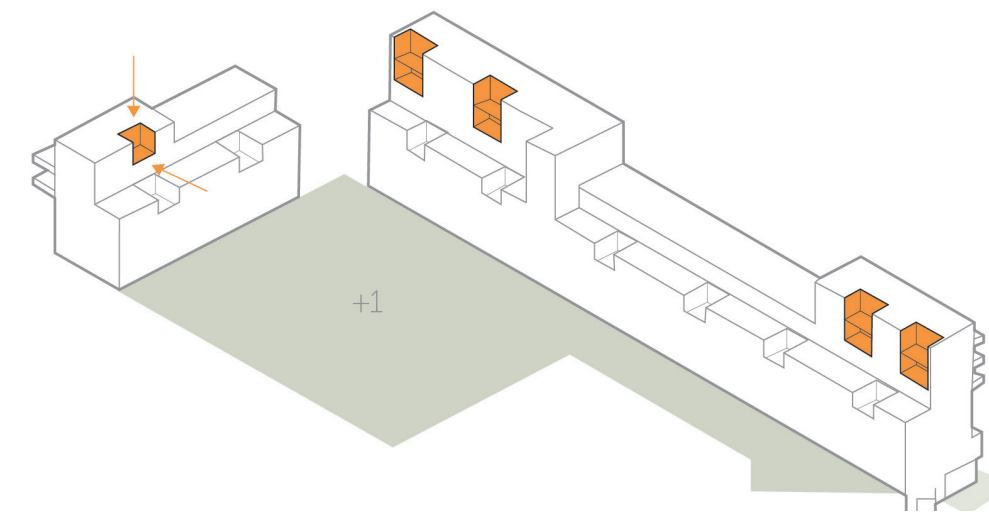
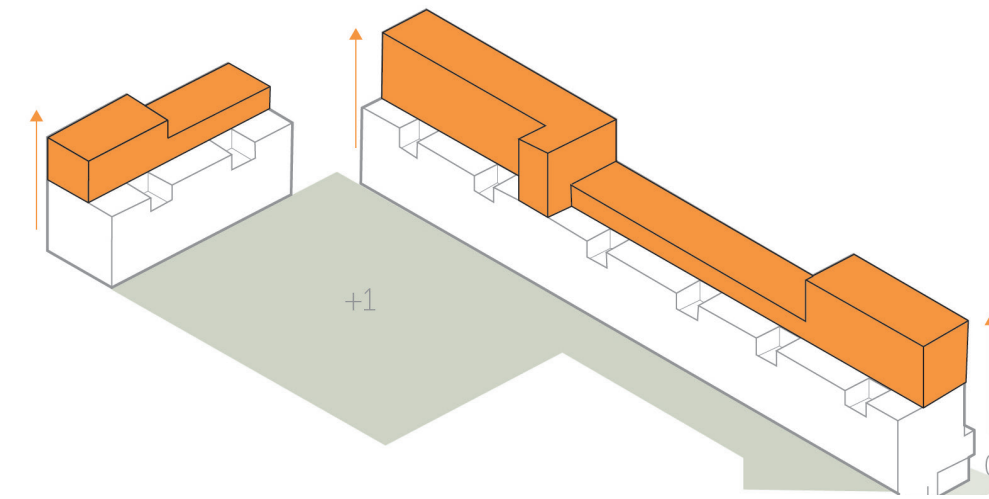
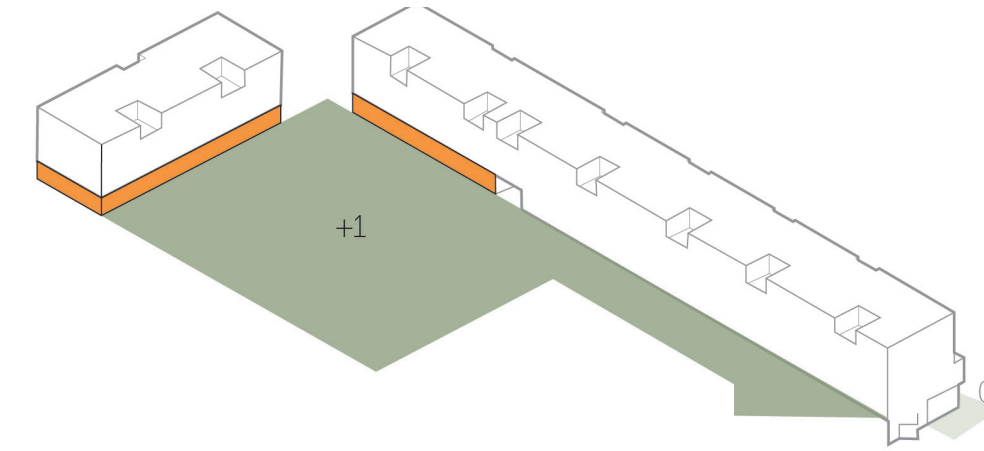
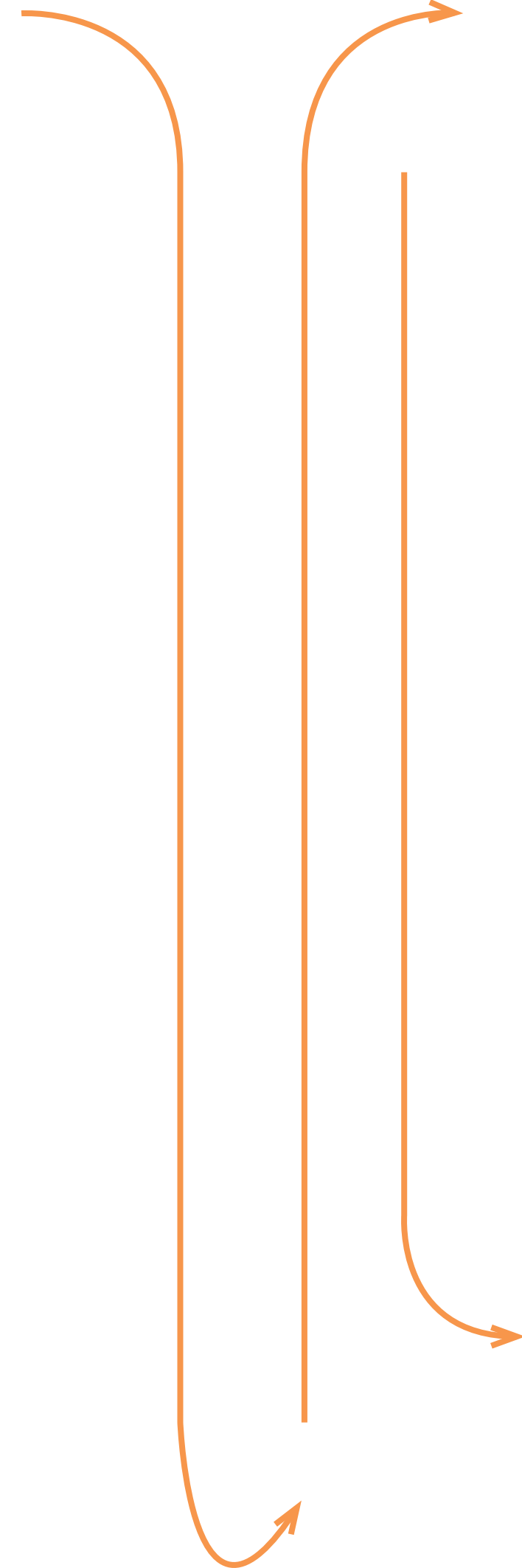
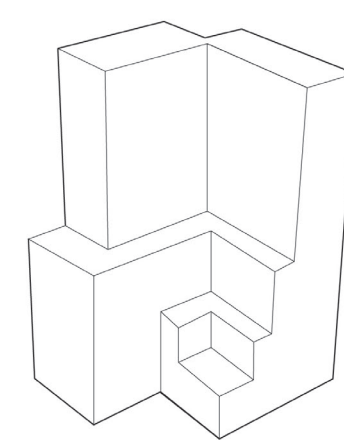
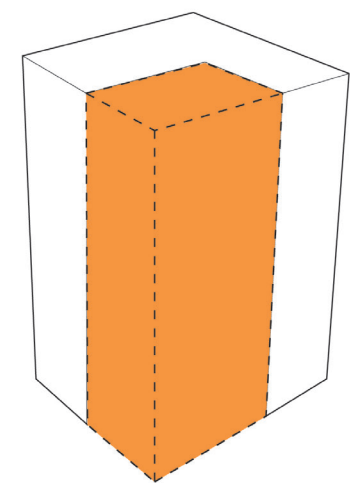
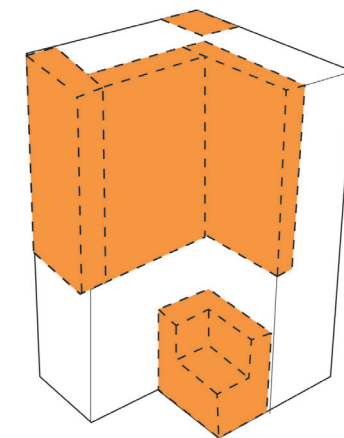
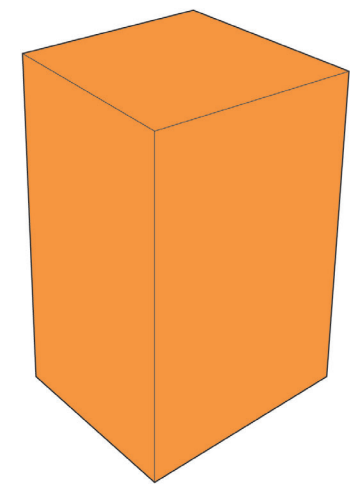
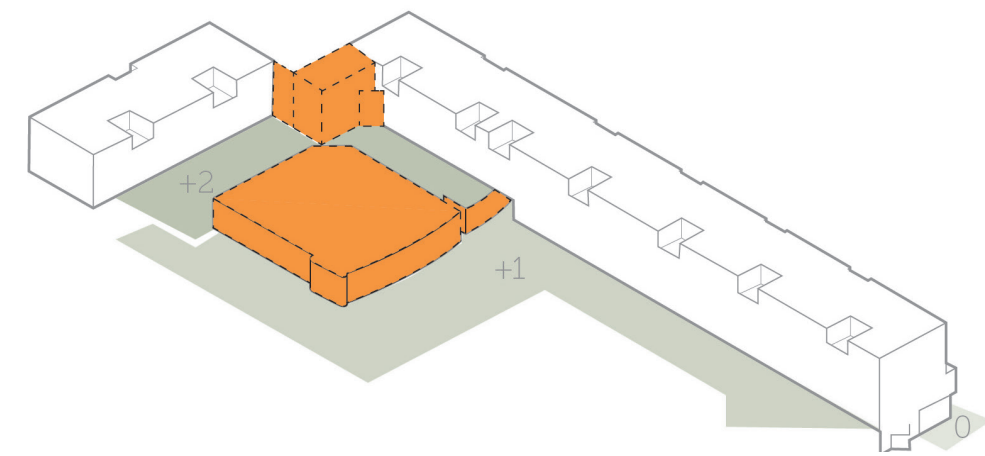
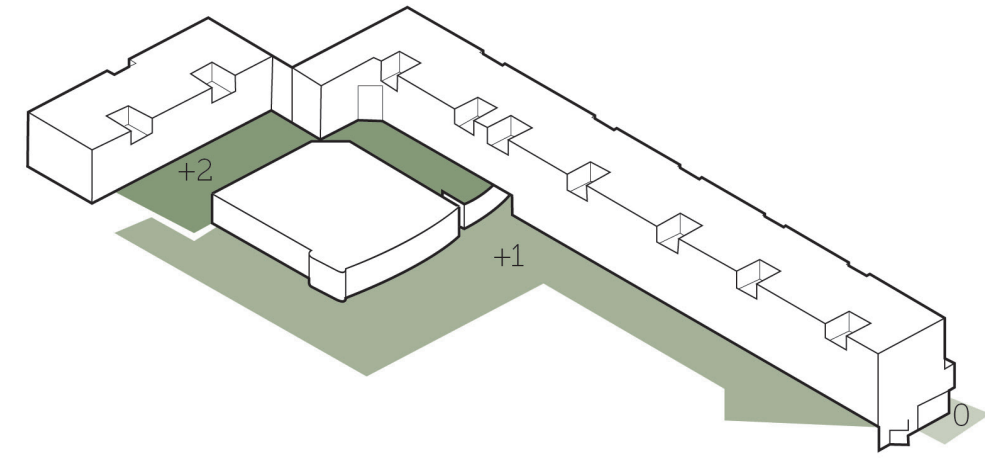


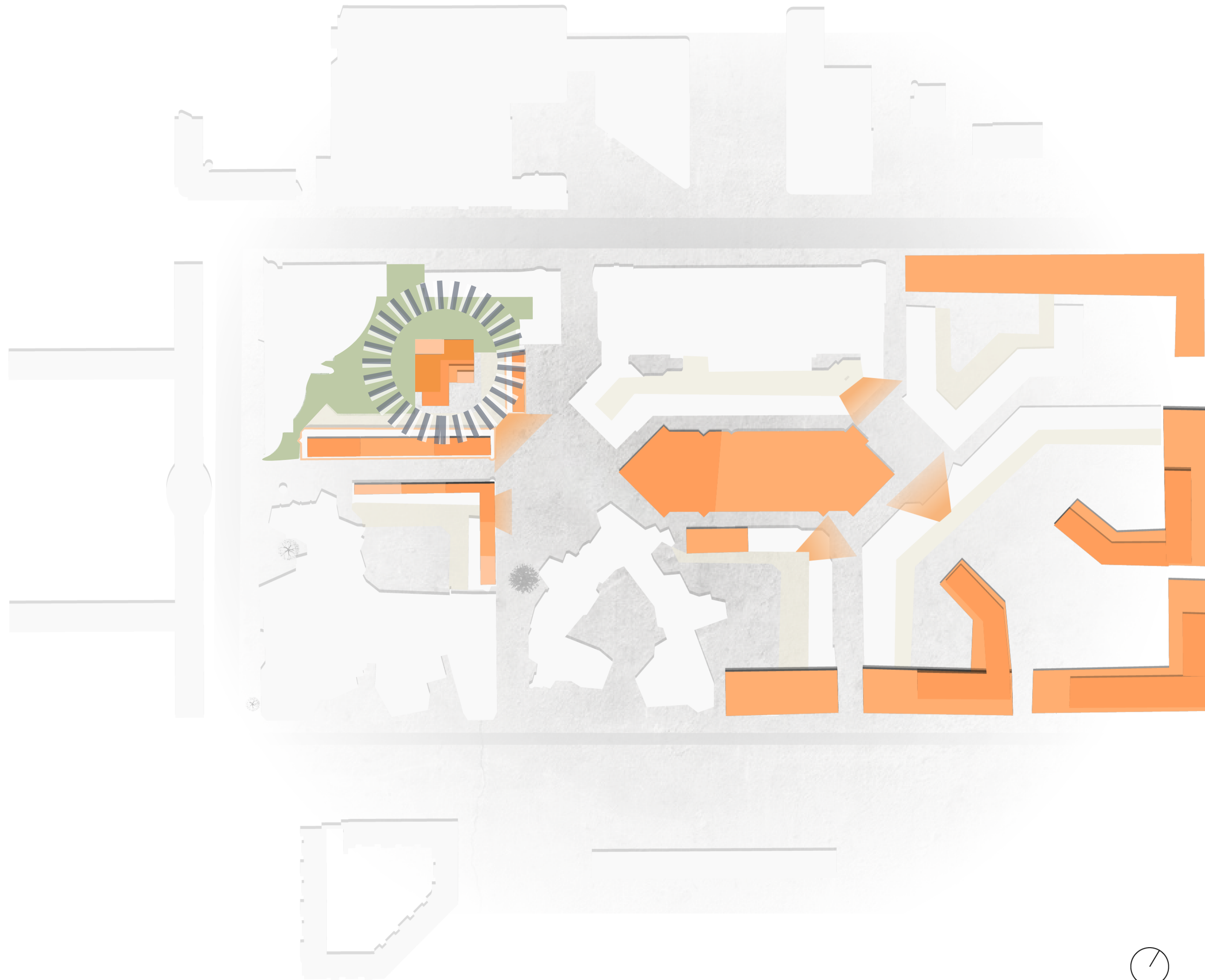


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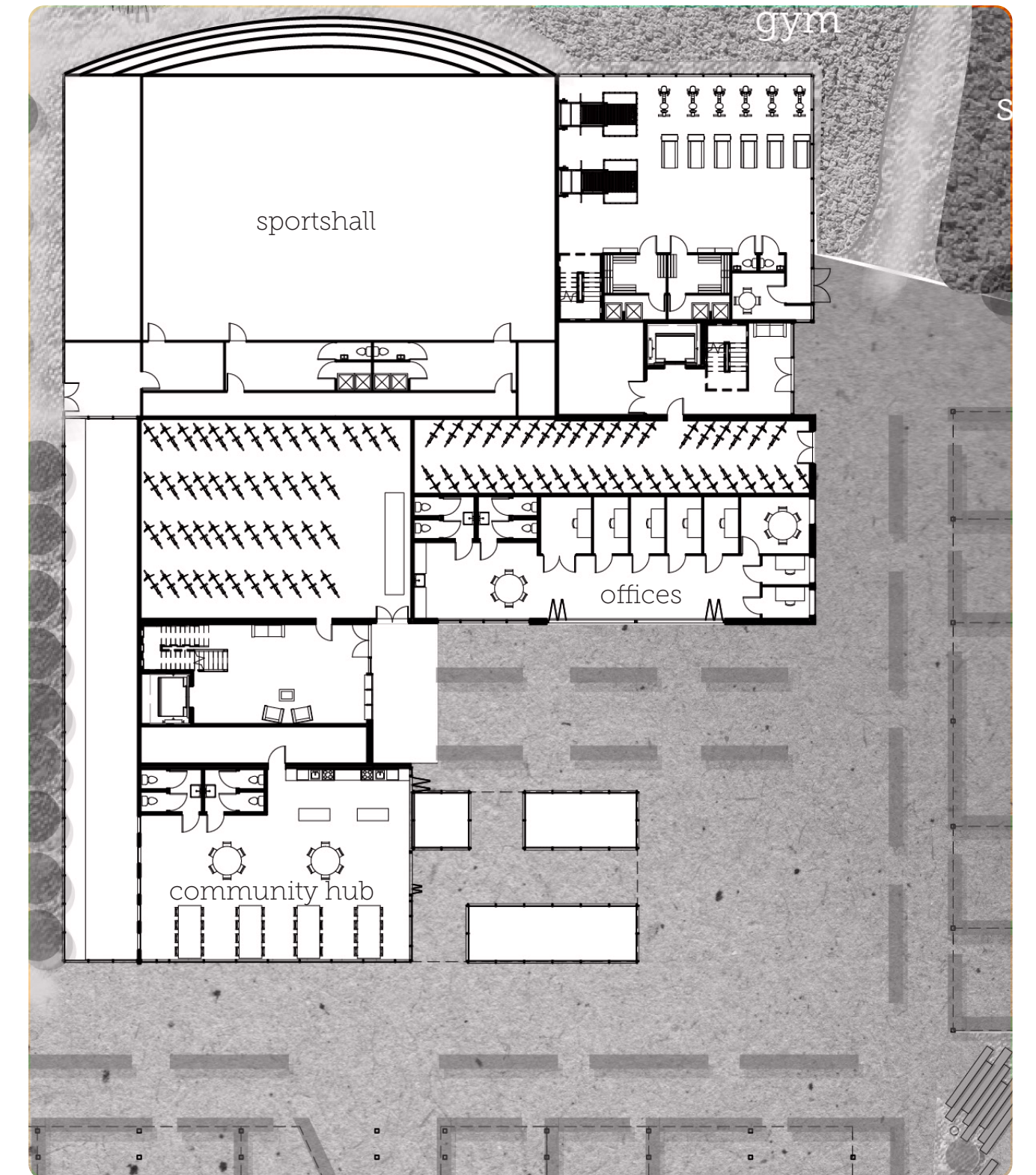


**social
accessibility**





1:1500



1:200



Aging (in) Architecture

"How can an inclusive & high quality living environment be created in a 1980s housing complex at Bijlmerplein?"