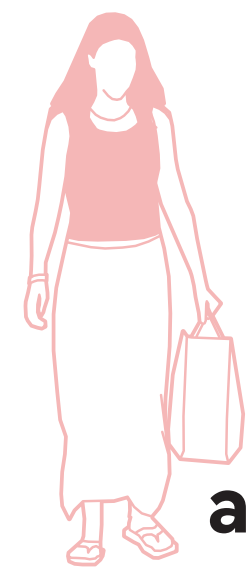




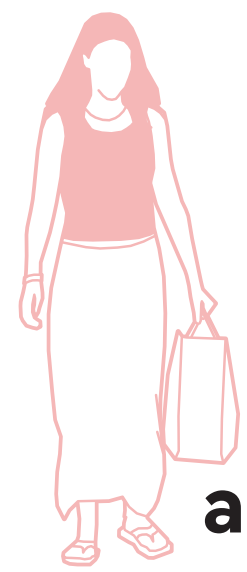
a home grown (old).

emma van barneveld.

june 2026



anaya



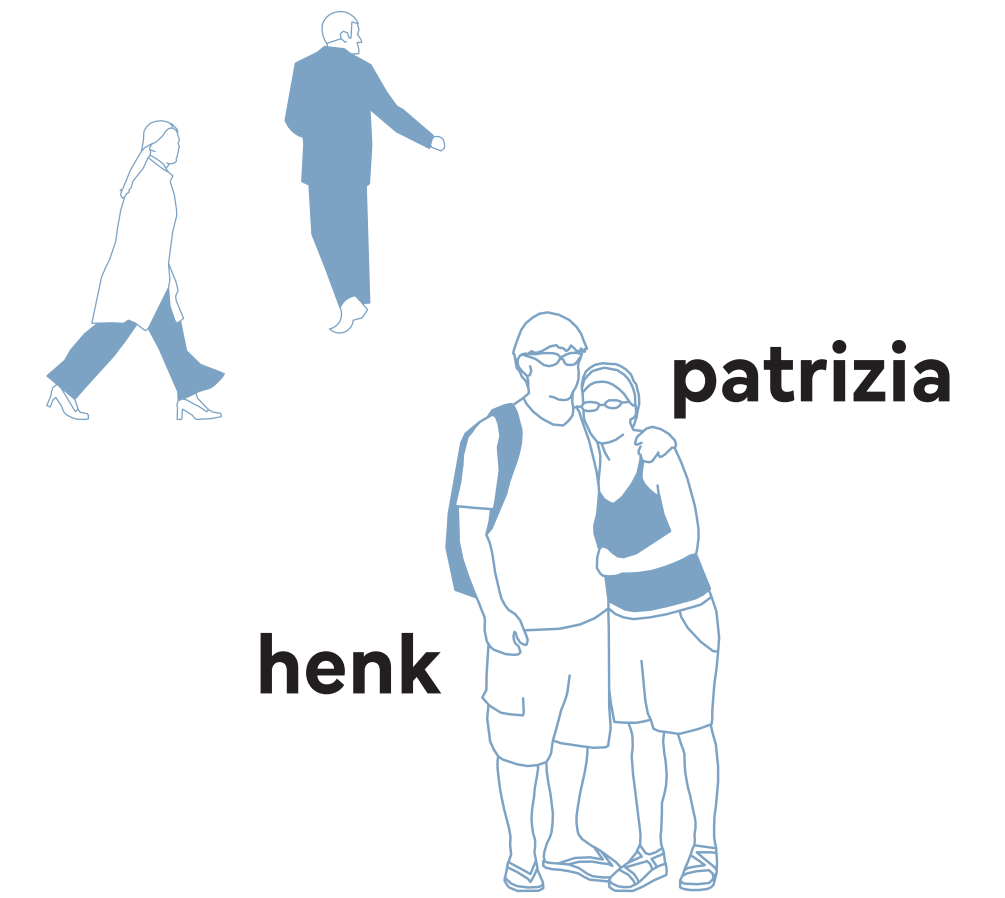
anaya



elif

kadir

two children







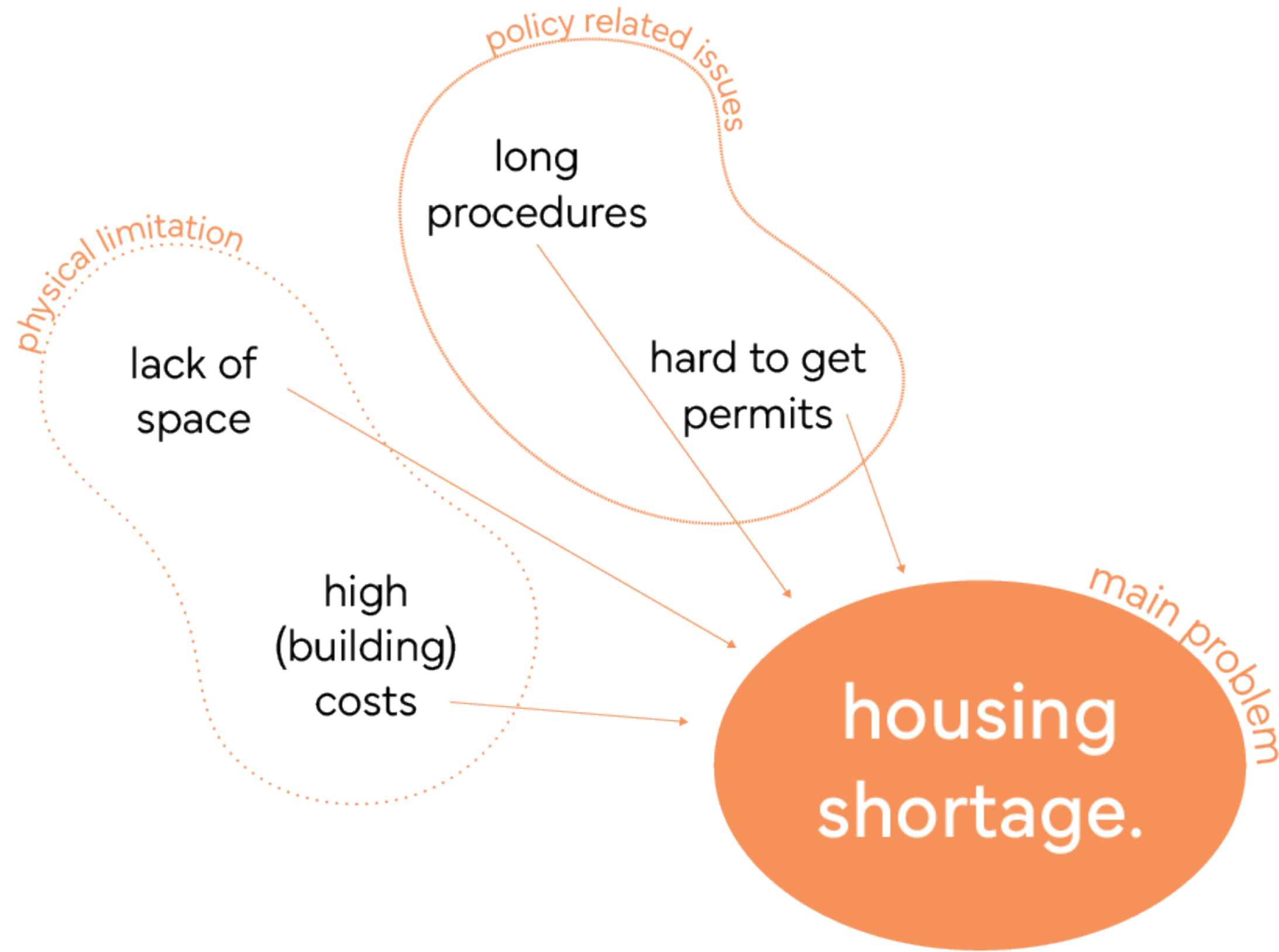
problem

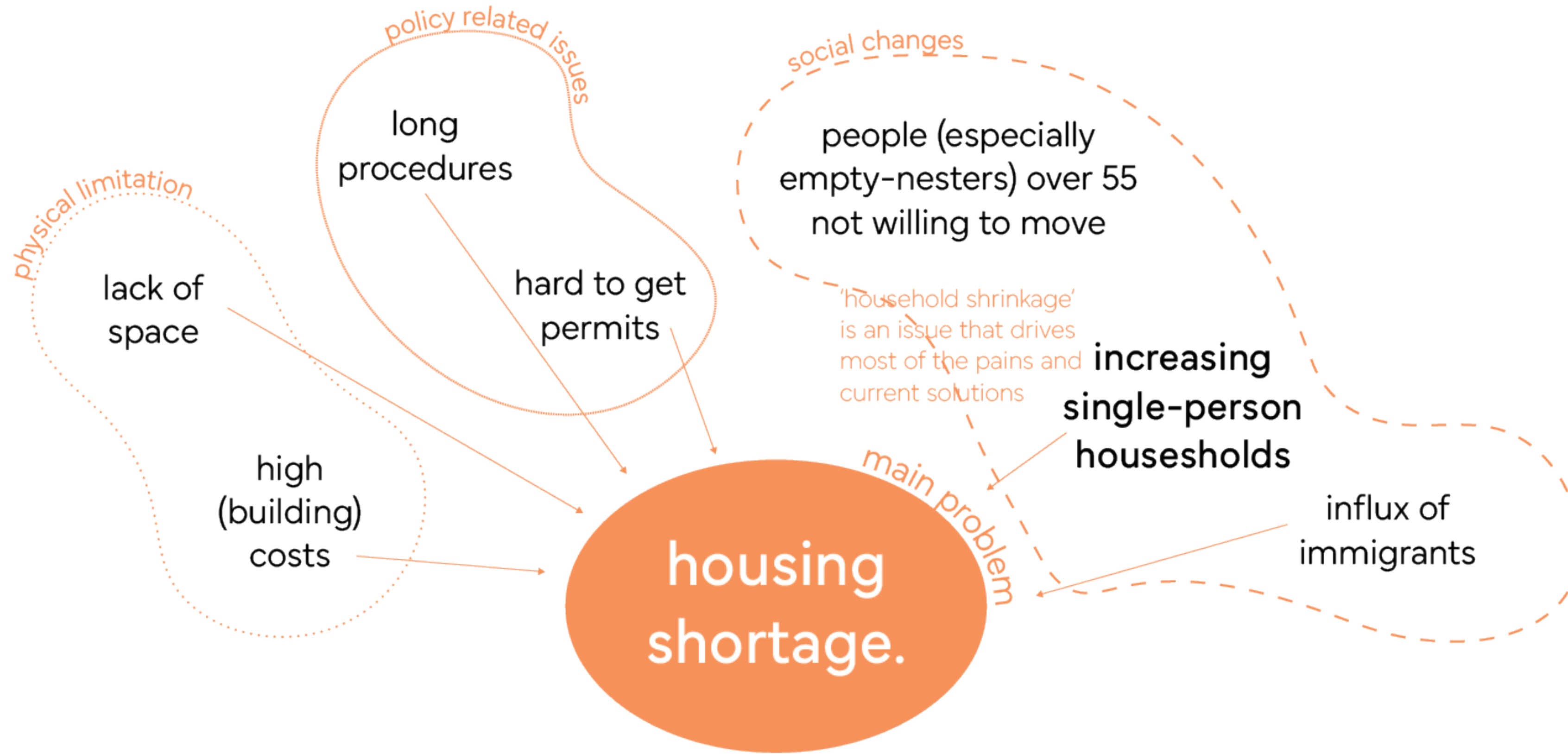
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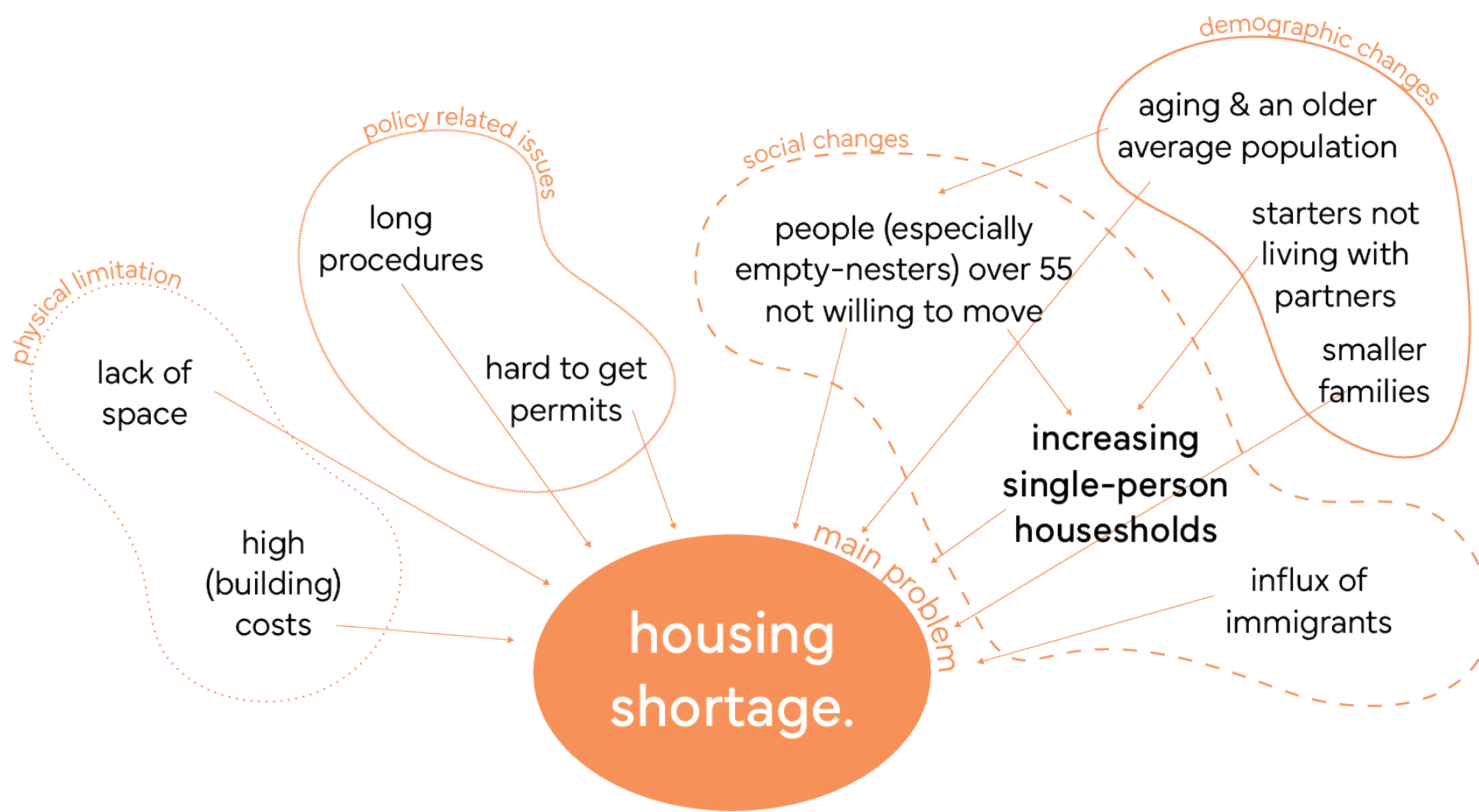
research

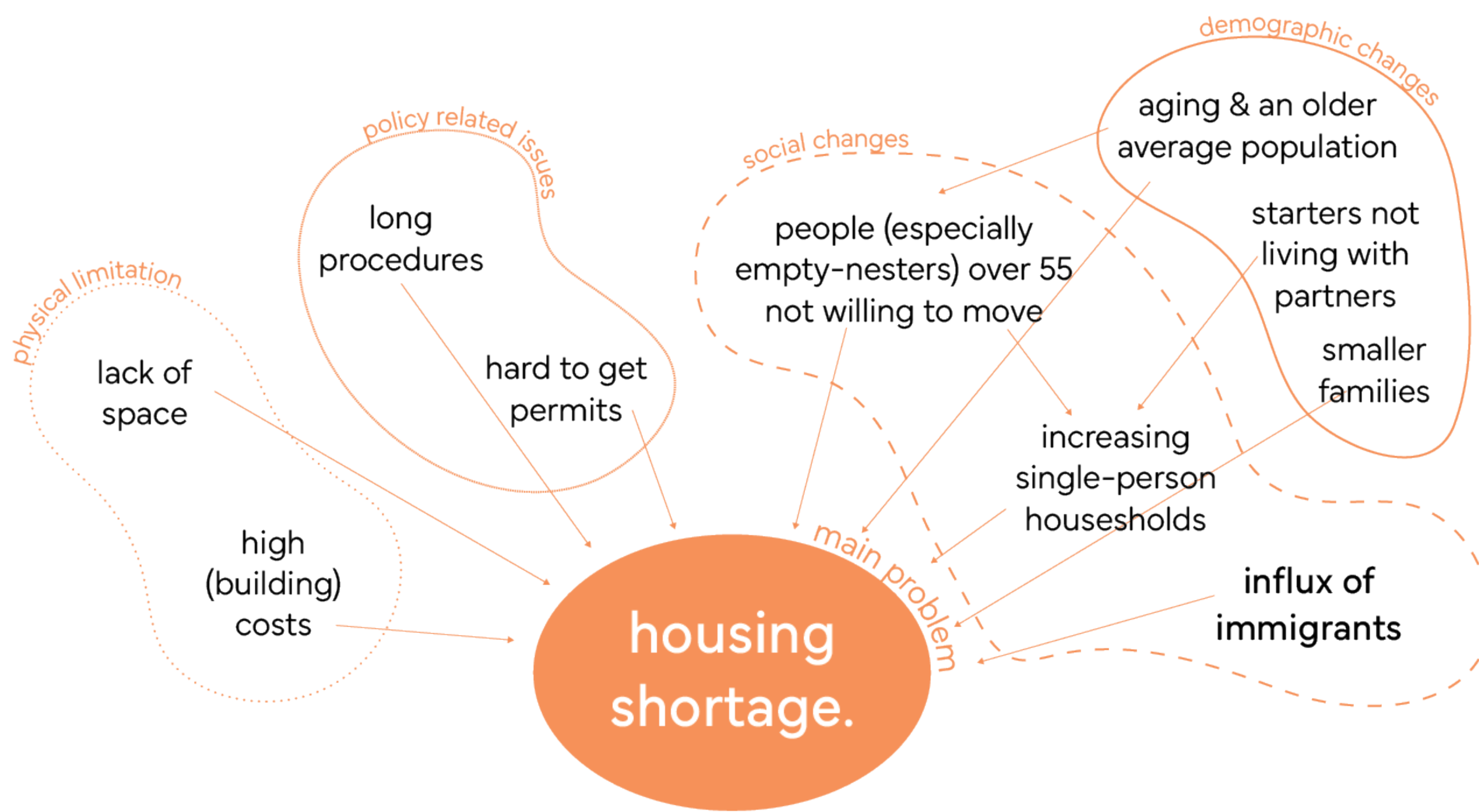
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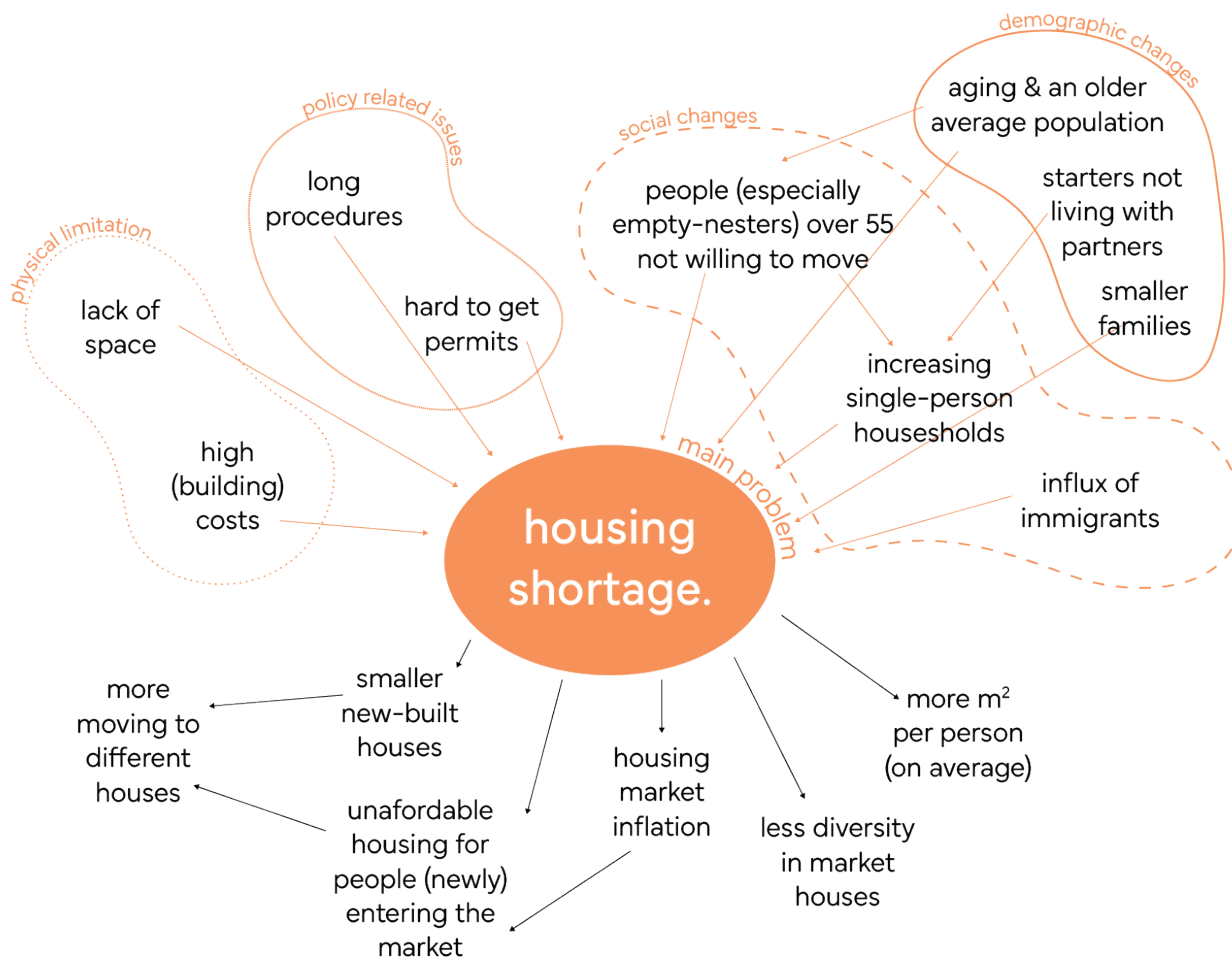
design











problem

|

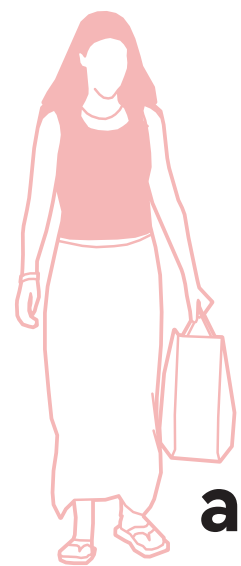
research

|

design



**can't find an
affordable home**



anaya

problem



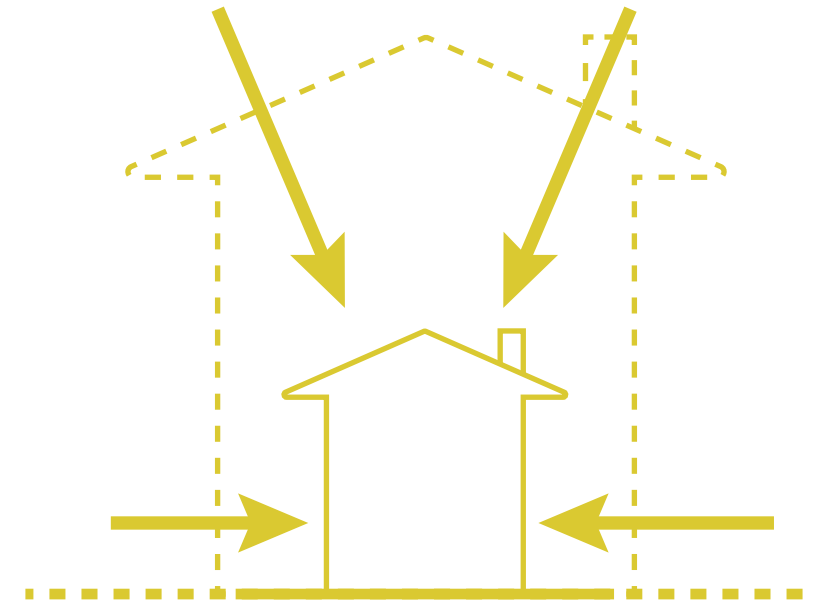
research



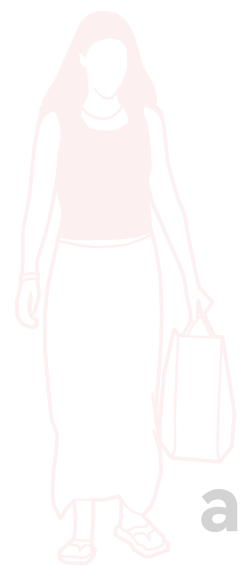
design



can't find an affordable home



live in an unsuitable home



anaya



two children

problem



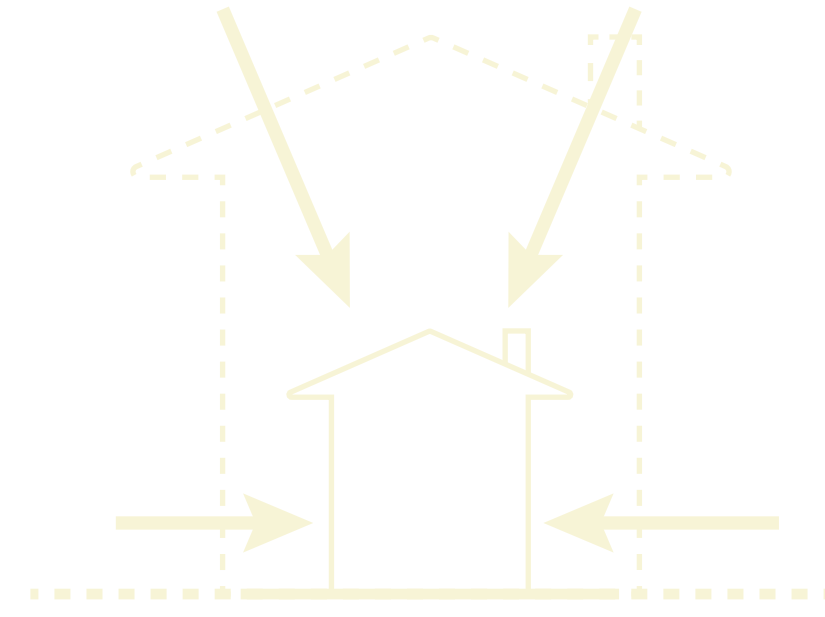
research



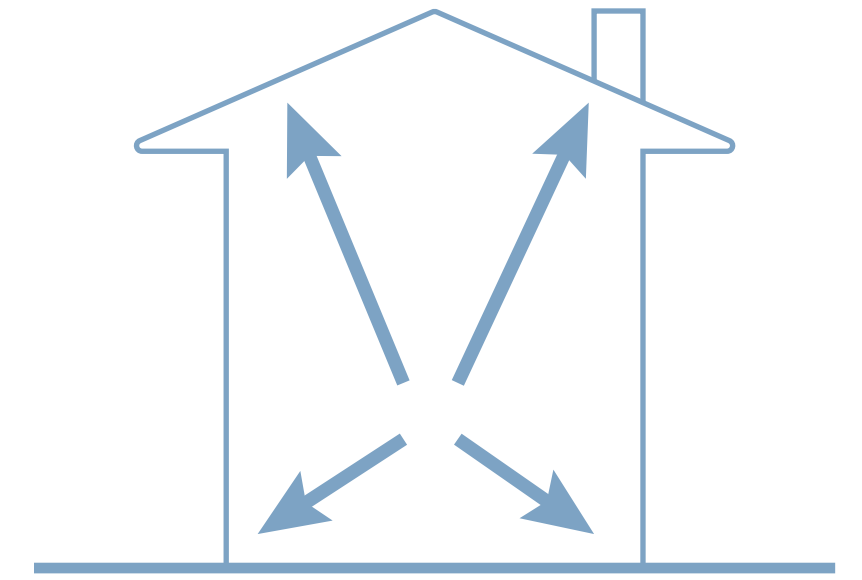
design



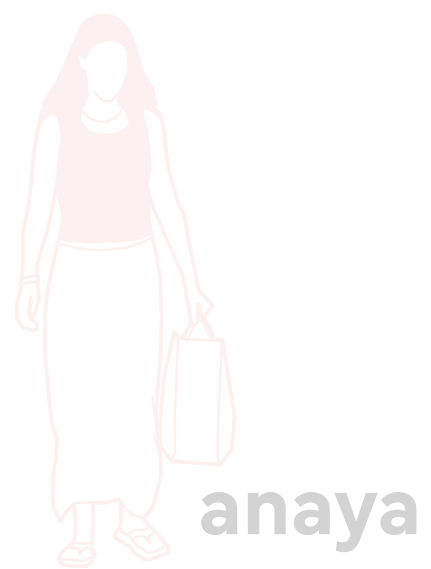
can't find an affordable home



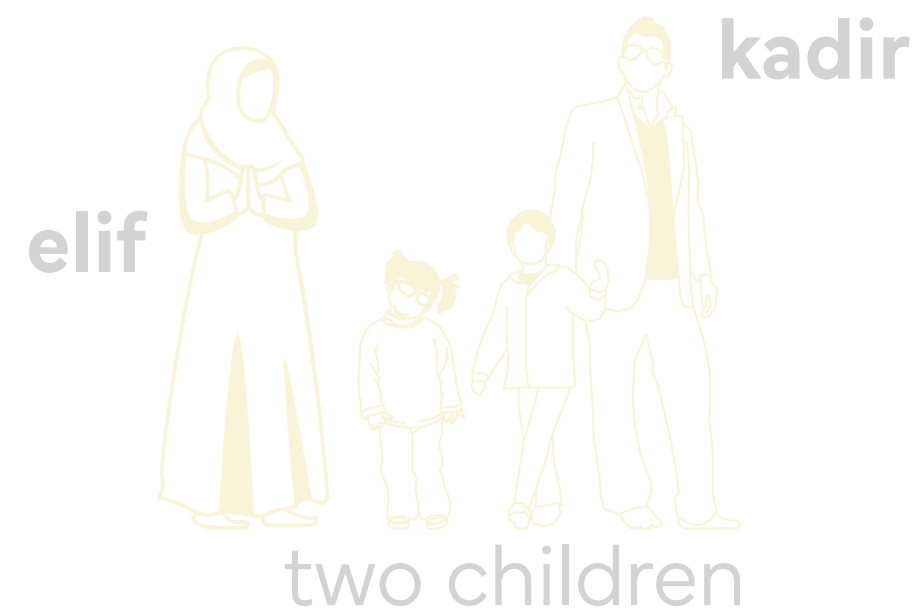
live in an unsuitable home



live in a home that is too big for them



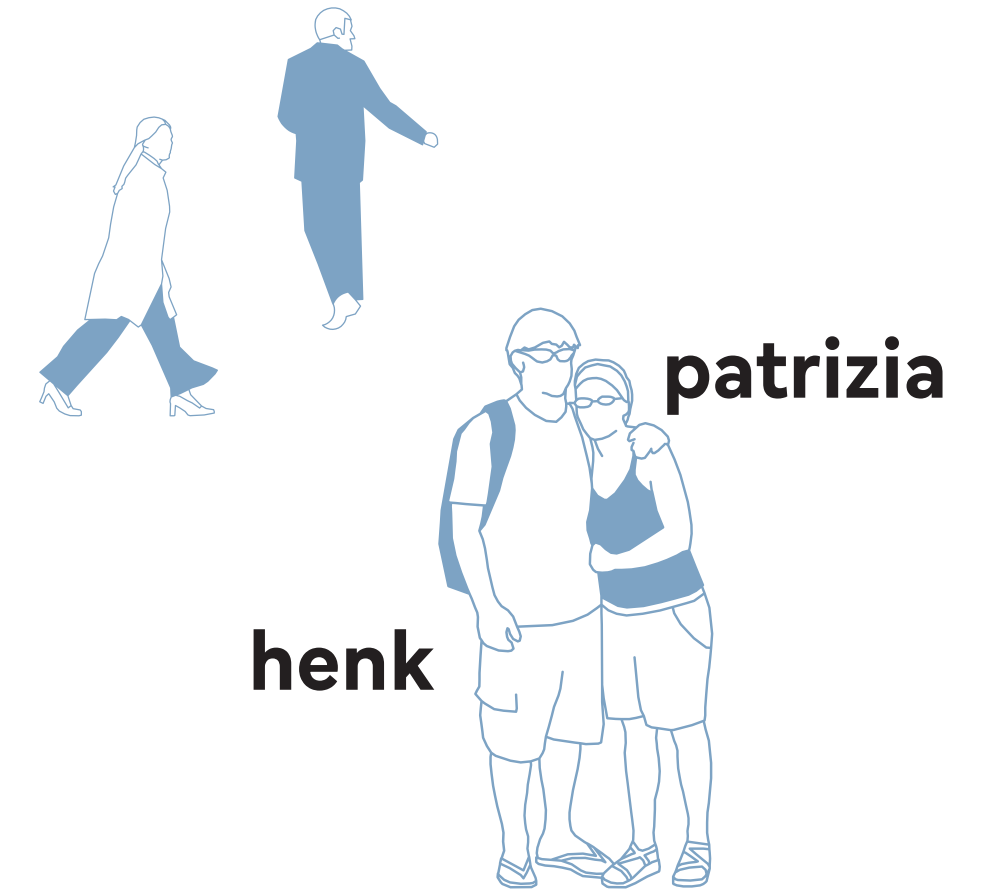
anaya



elif

kadir

two children



henk

patrizia

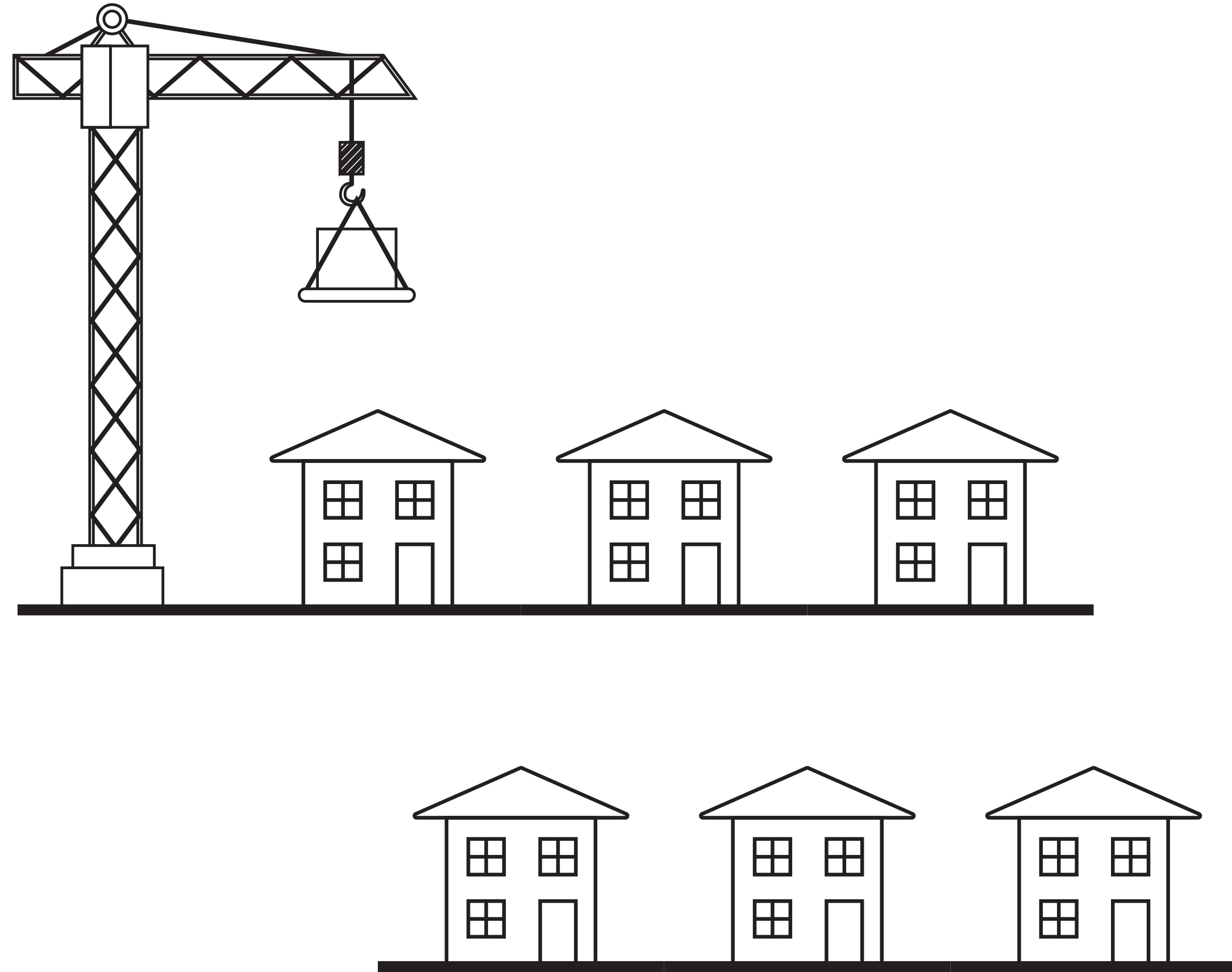
problem



research



design



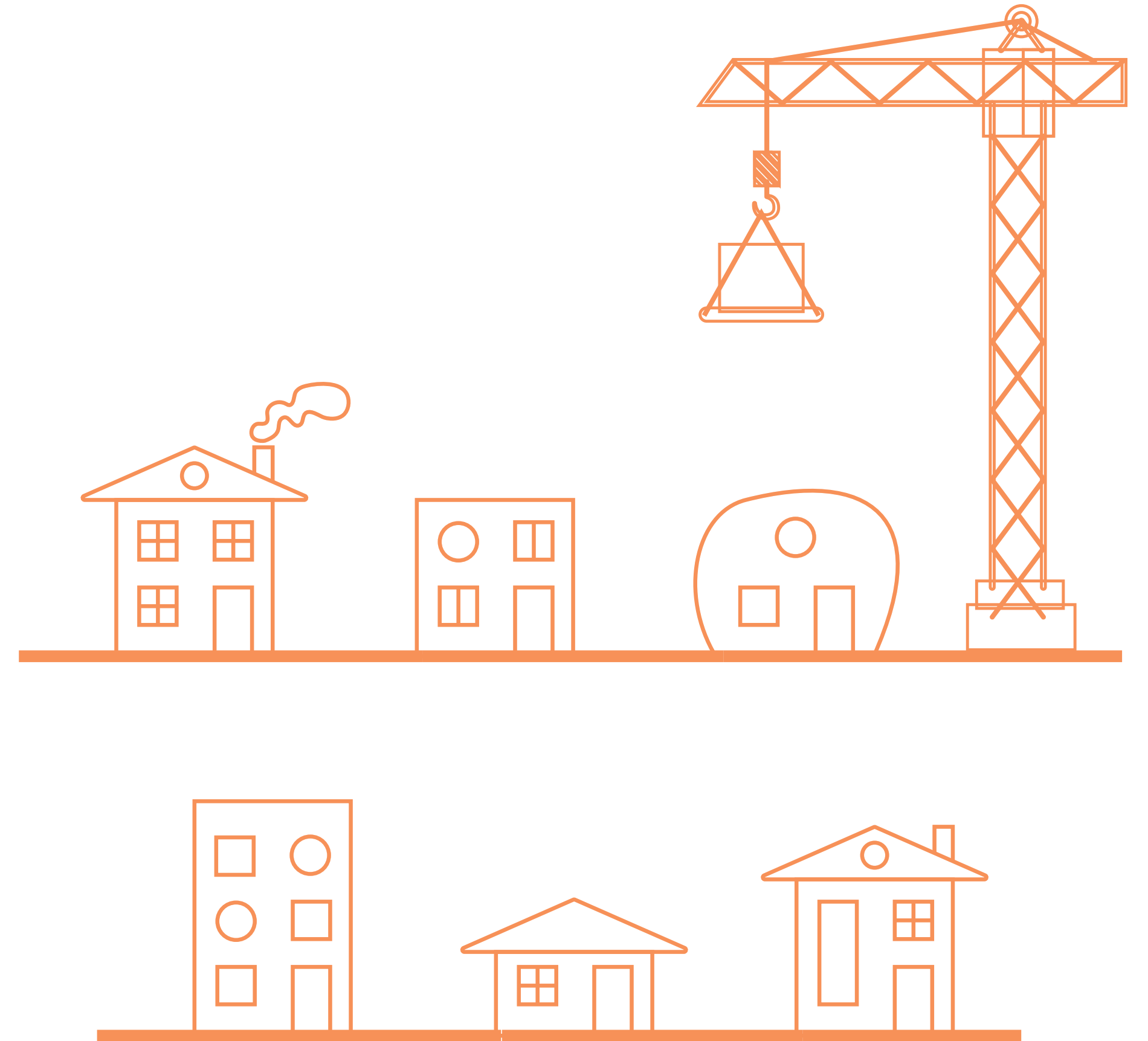
problem



research



design



problem



research



design

how can an **adaptive housing system** be designed to **accommodate the changing spatial needs** of its residents, while incorporating **co-living principles**?

typological building system

how can an **adaptive housing system** be designed

to **accommodate the changing spatial needs** of its

user based **research**

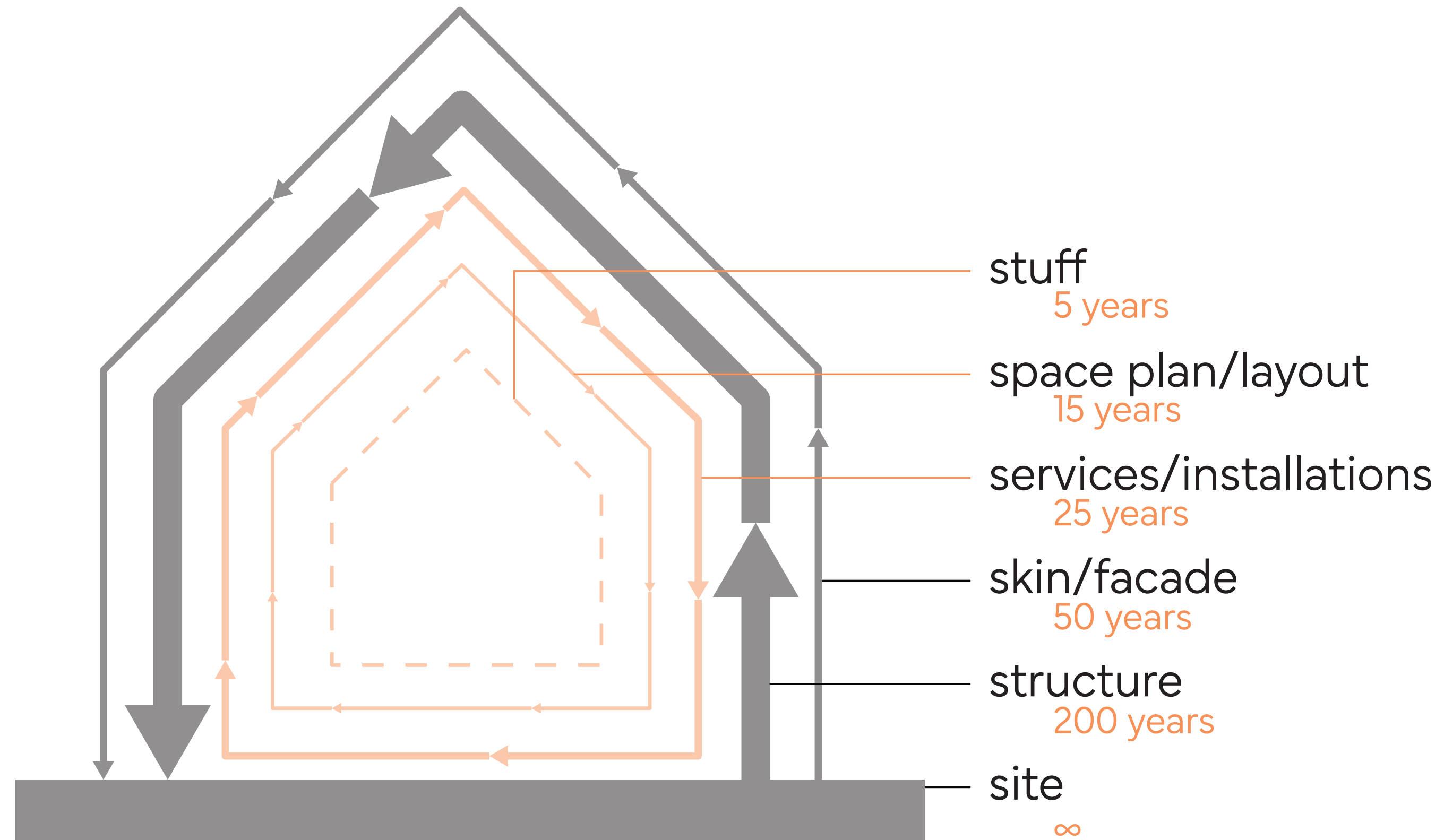
residents, while incorporating **co-living principles?**

tool for interaction &
reducing m² per household

typological building system
how can an **adaptive housing system** be designed
to accommodate the changing spatial needs of its
residents, while incorporating co-living principles?

adaptive building.

theory by duffy & brand



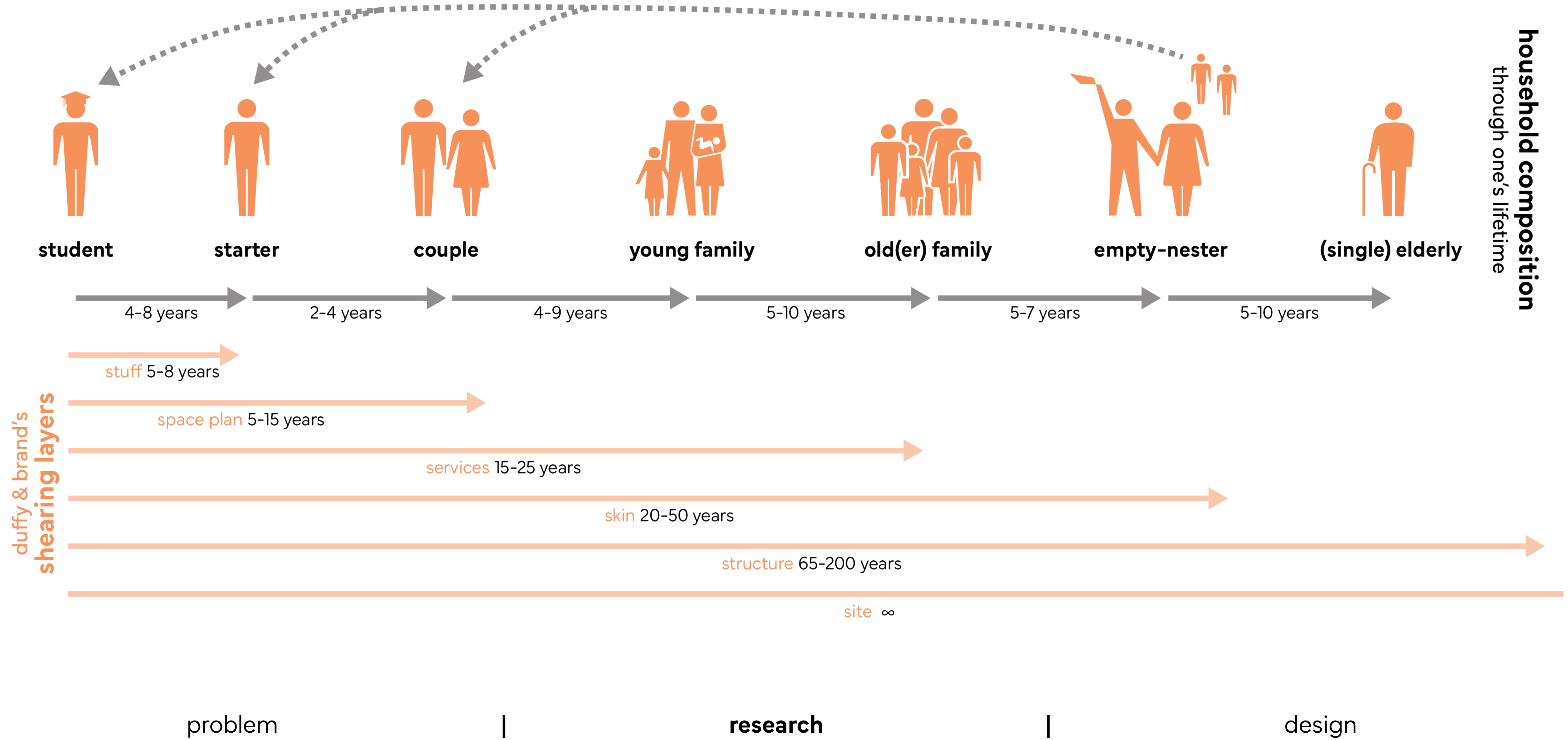
problem

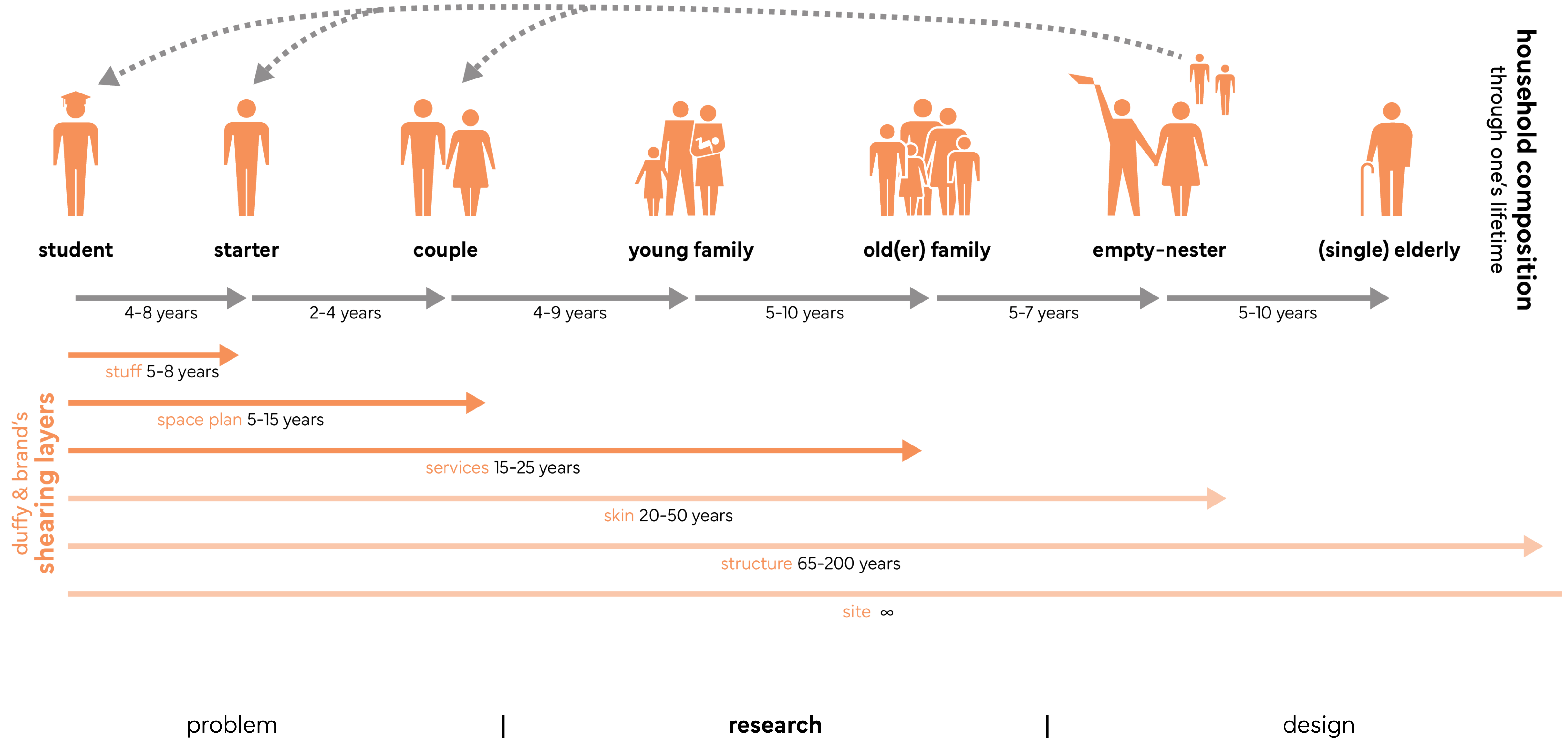


research



design

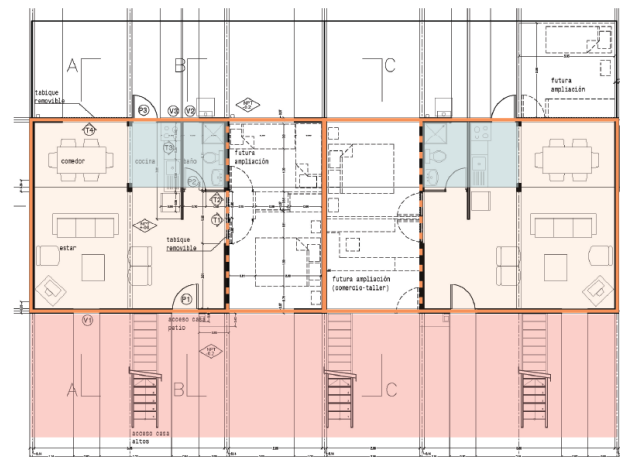
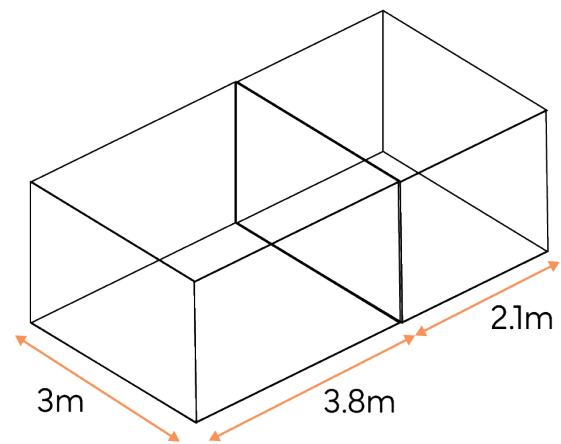




adaptive housing systems.

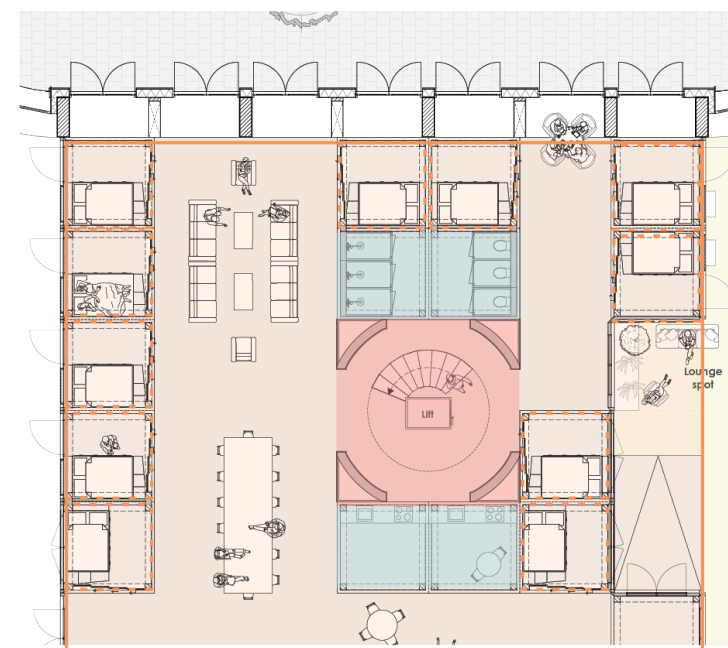
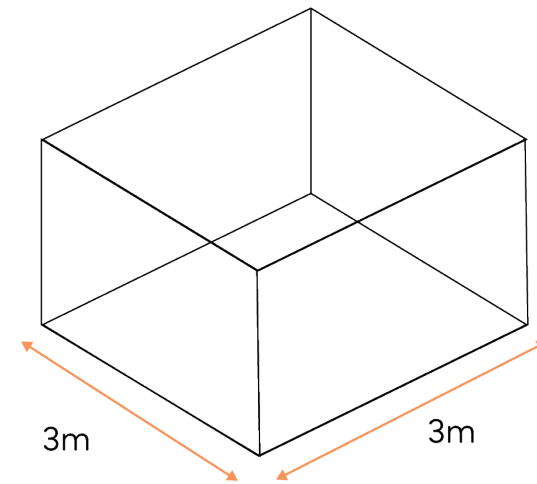
Quinta Monroy in Iquique, Chile

2004
Elemental Chile (Aravena)



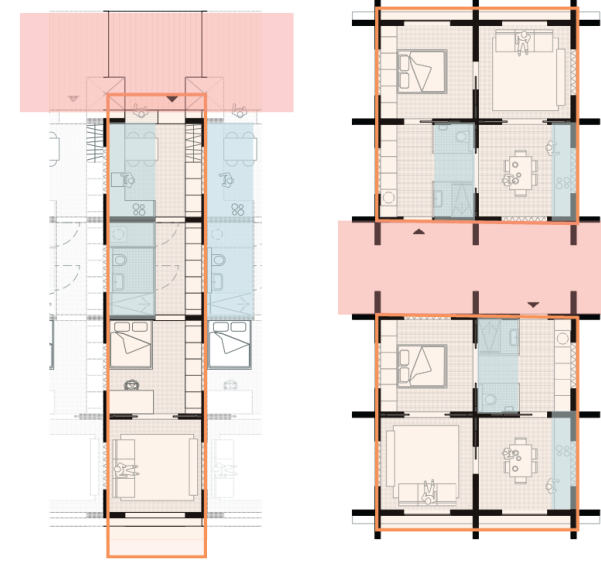
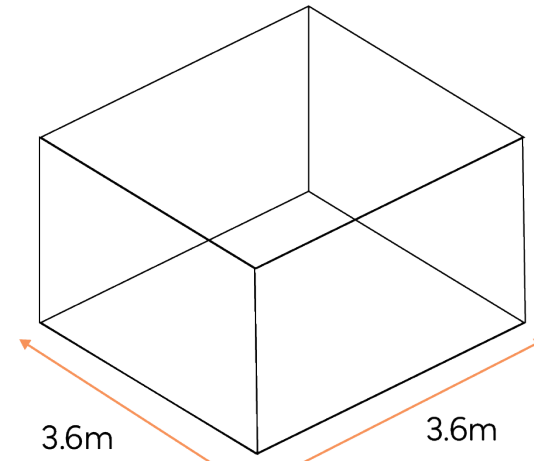
Adaptive Co-Housing (master thesis) in Delft, the Netherlands

2024
Daan Doelman (student)



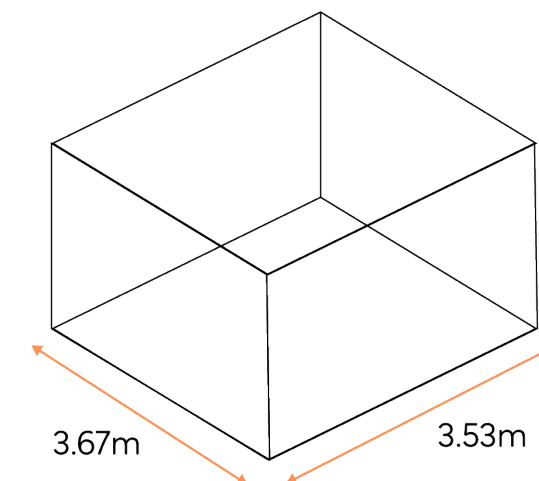
Laan van de Vrede in Ten Hoorn, the Netherlands

2022 (only a design proposal)
De Zwarte Hond



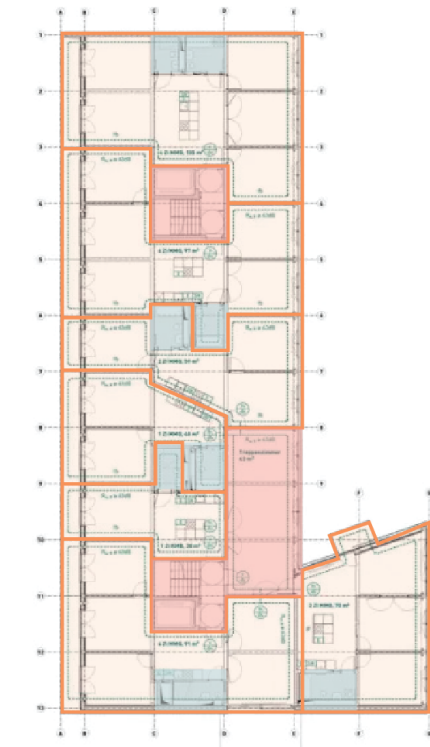
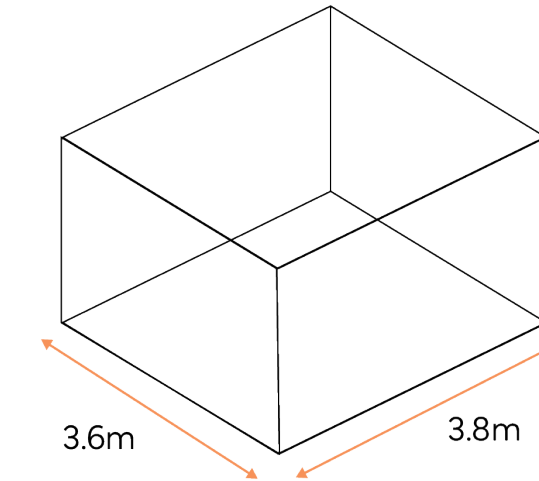
MODULUS MATRIX in Cornellà, Barcelona, Spain

2020
Peris + Toral



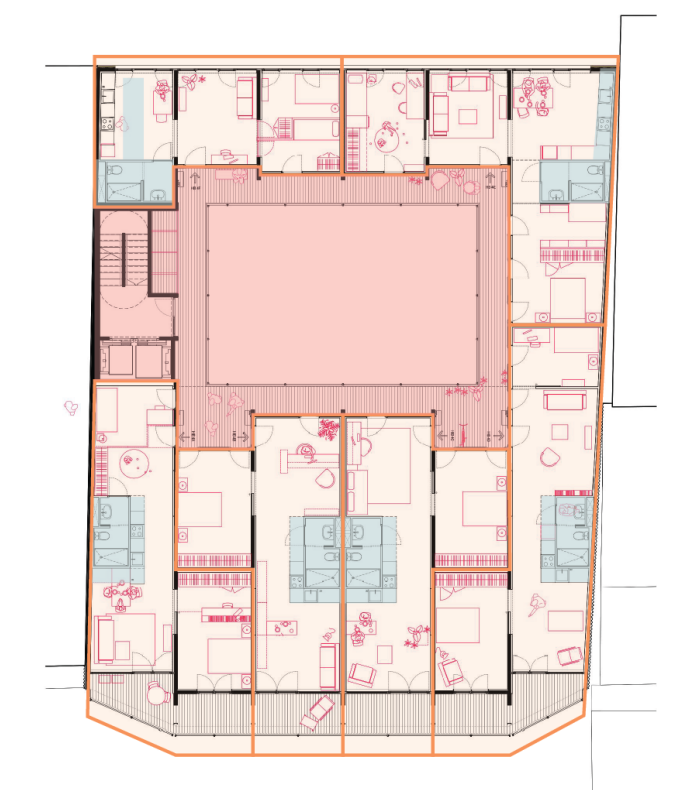
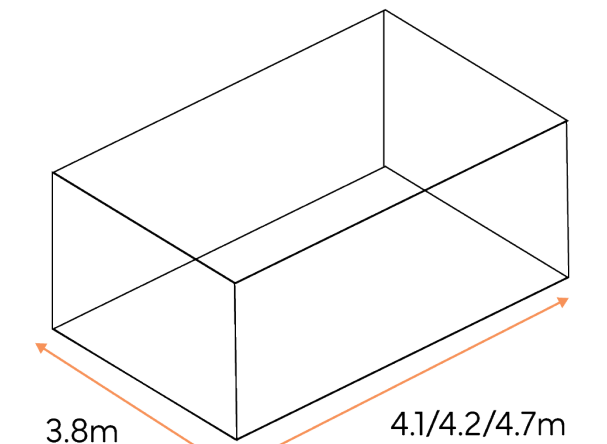
San Riemo in Munich, Germany

2020
SUMMACUMFEMMER, Büro Juliane Greb



La Borda in Can Batlló, Barcelona, Spain

2018
Lacol



problem

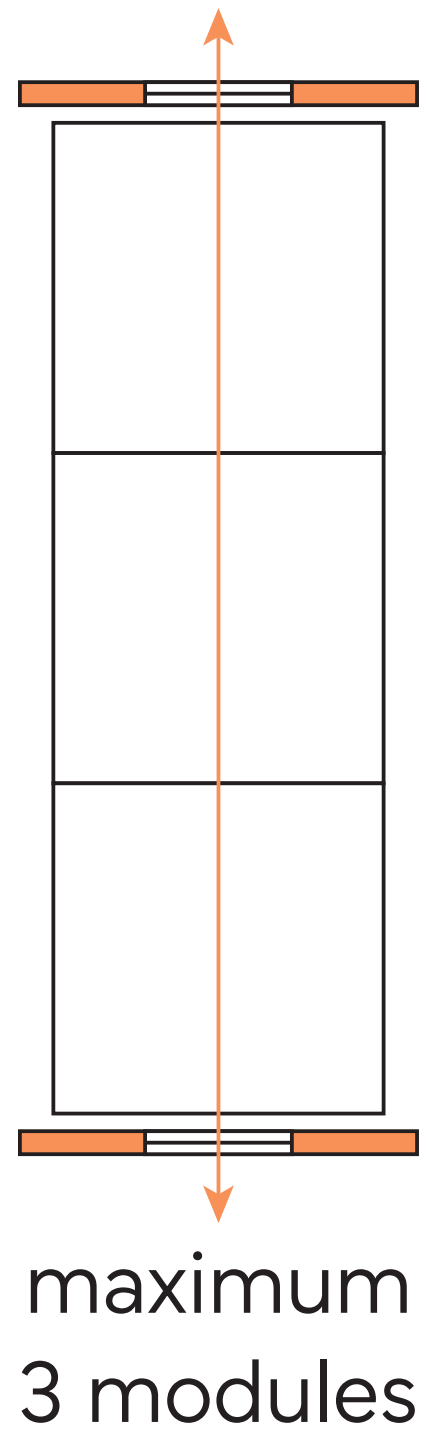


research



design

adaptive housing systems.



problem

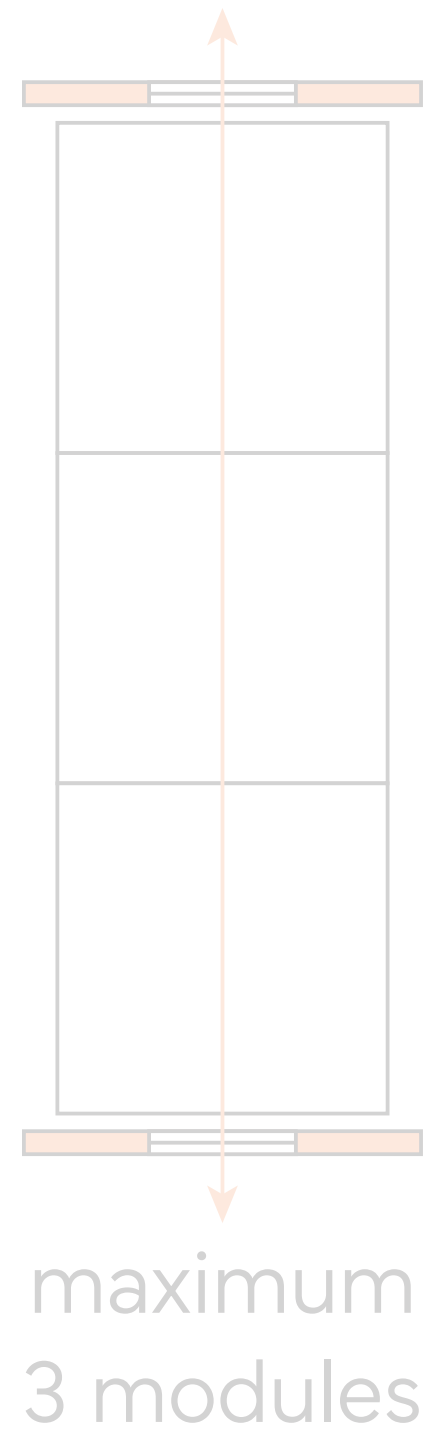


research



design

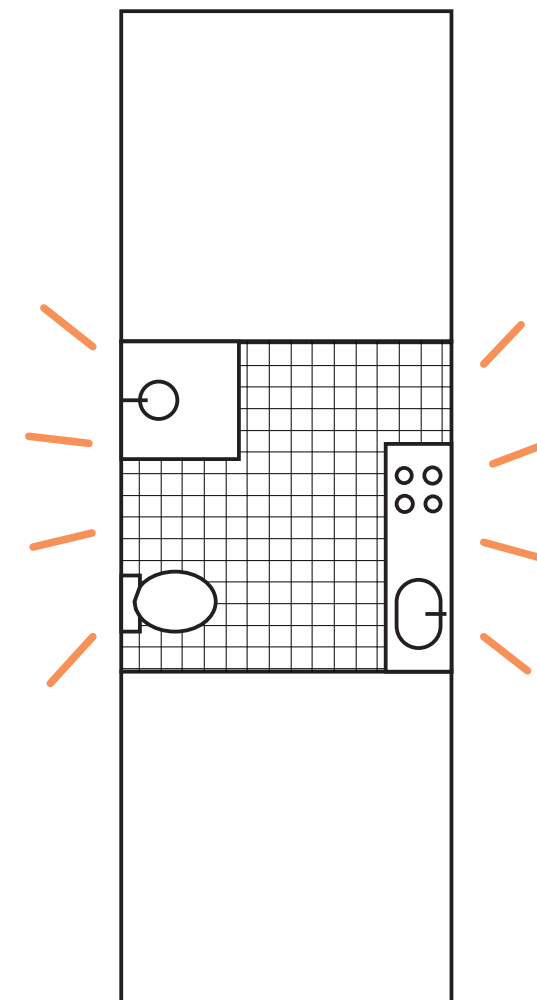
adaptive housing systems.



problem



wet cell in
middle module

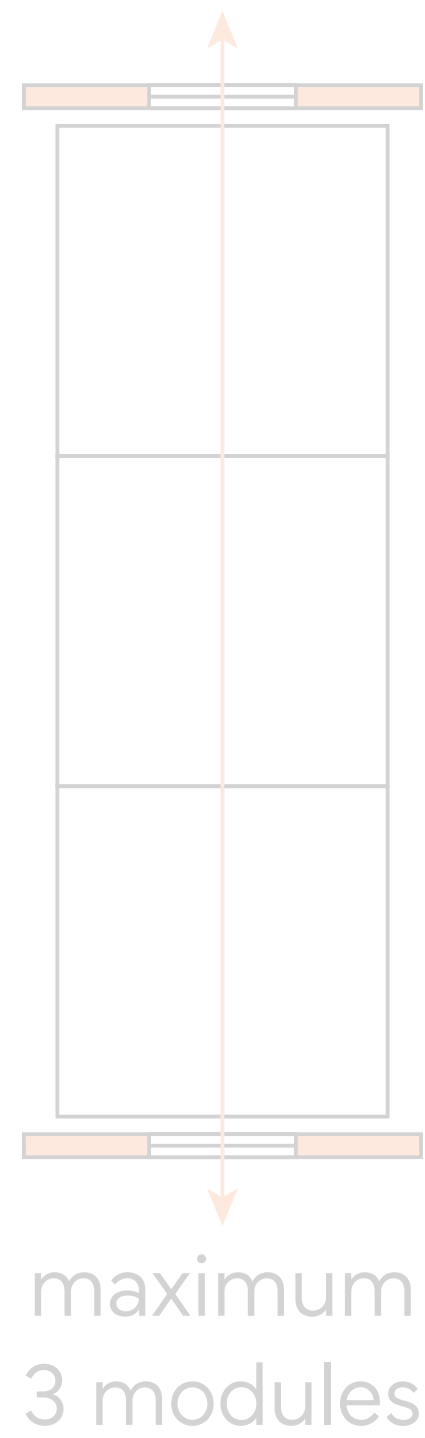


research

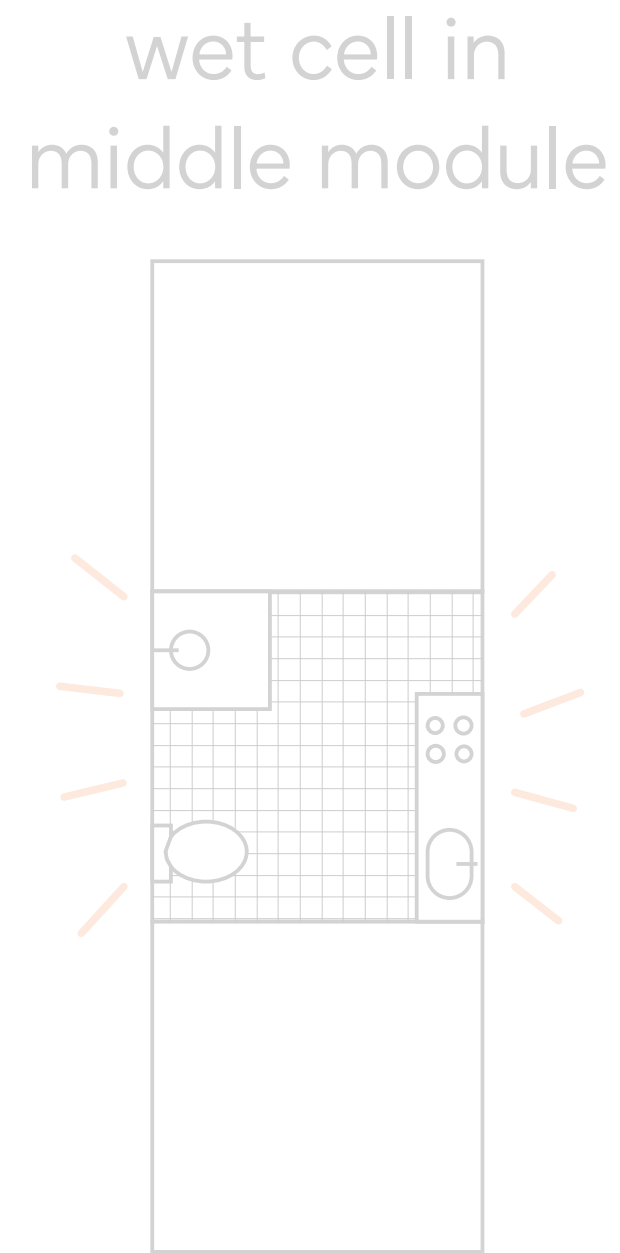


design

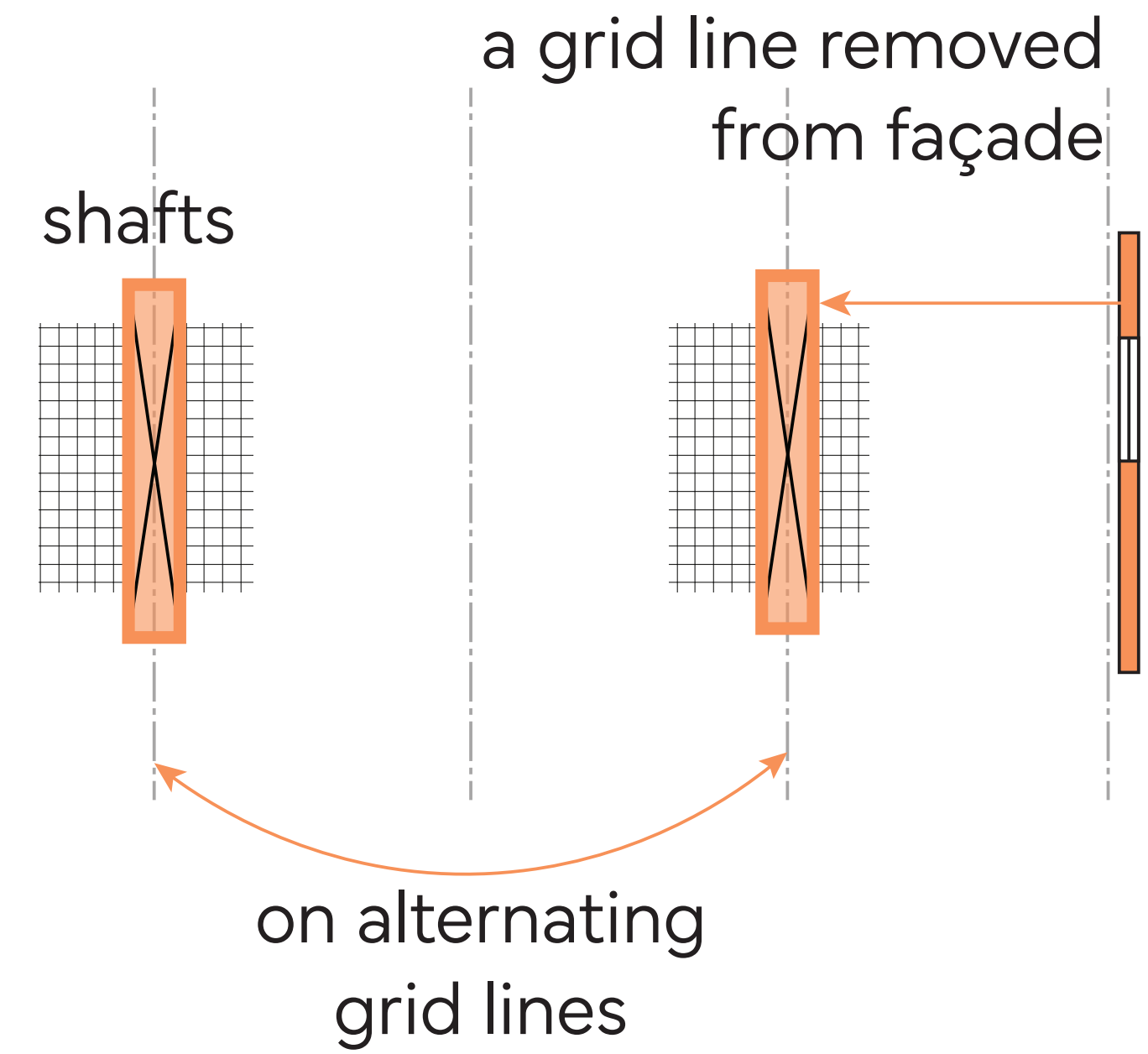
adaptive housing systems.



problem



research

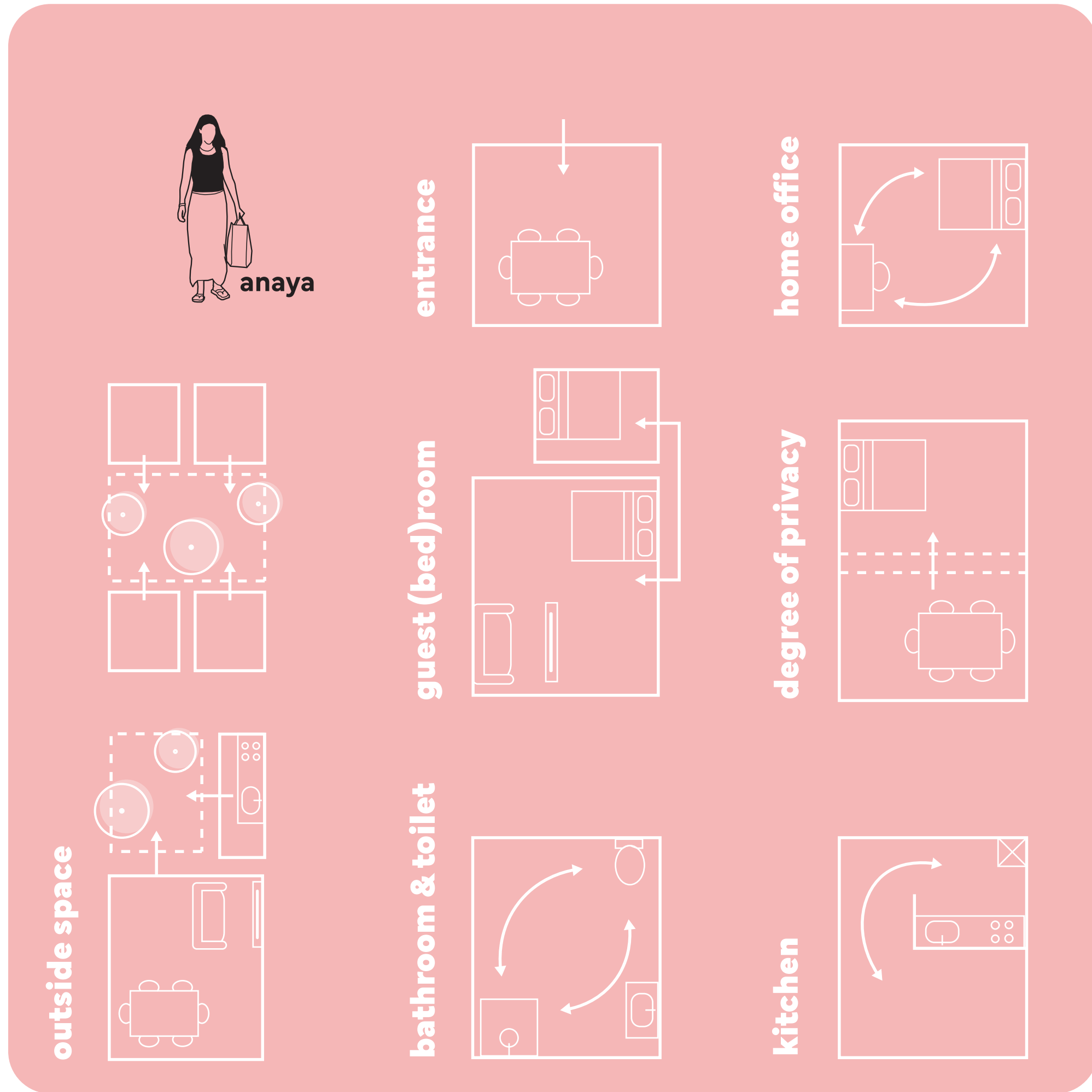


design

how can an adaptive housing system be designed
to **accommodate the changing spatial needs** of its
user based **research**
residents, while incorporating co-living principles?

changing spatial needs.

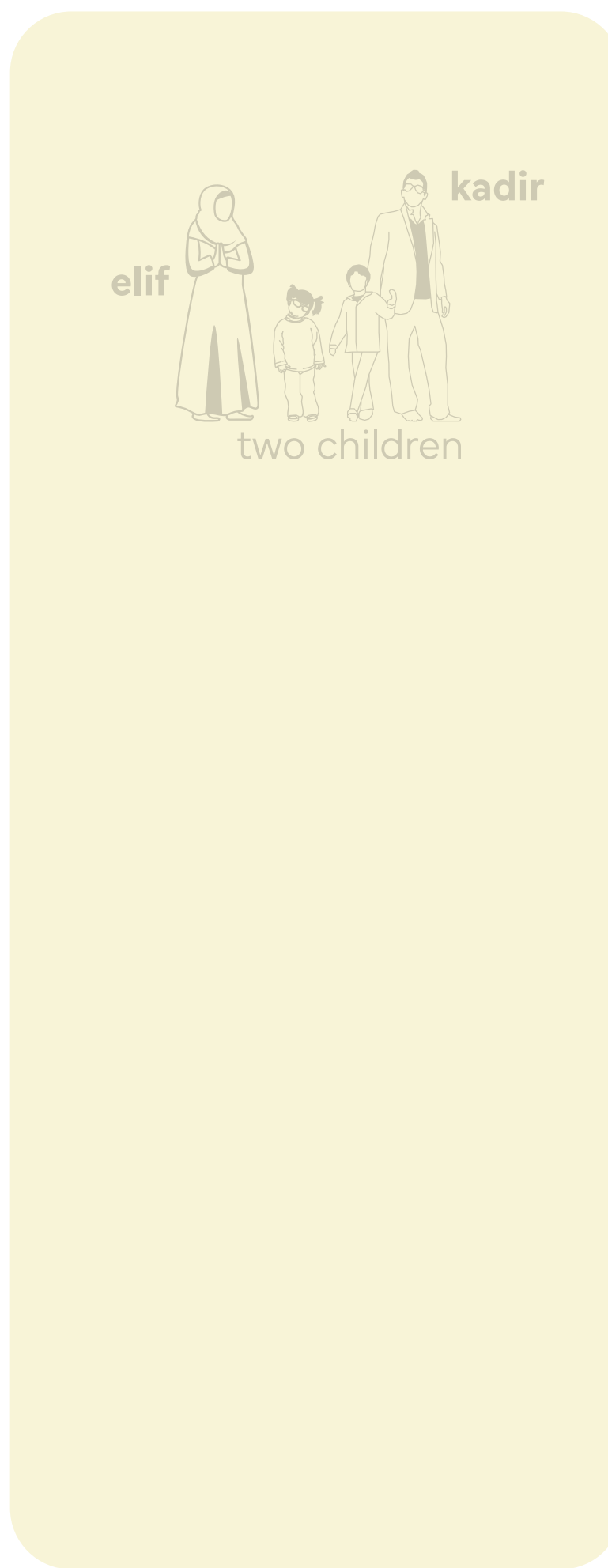
type a 2



problem



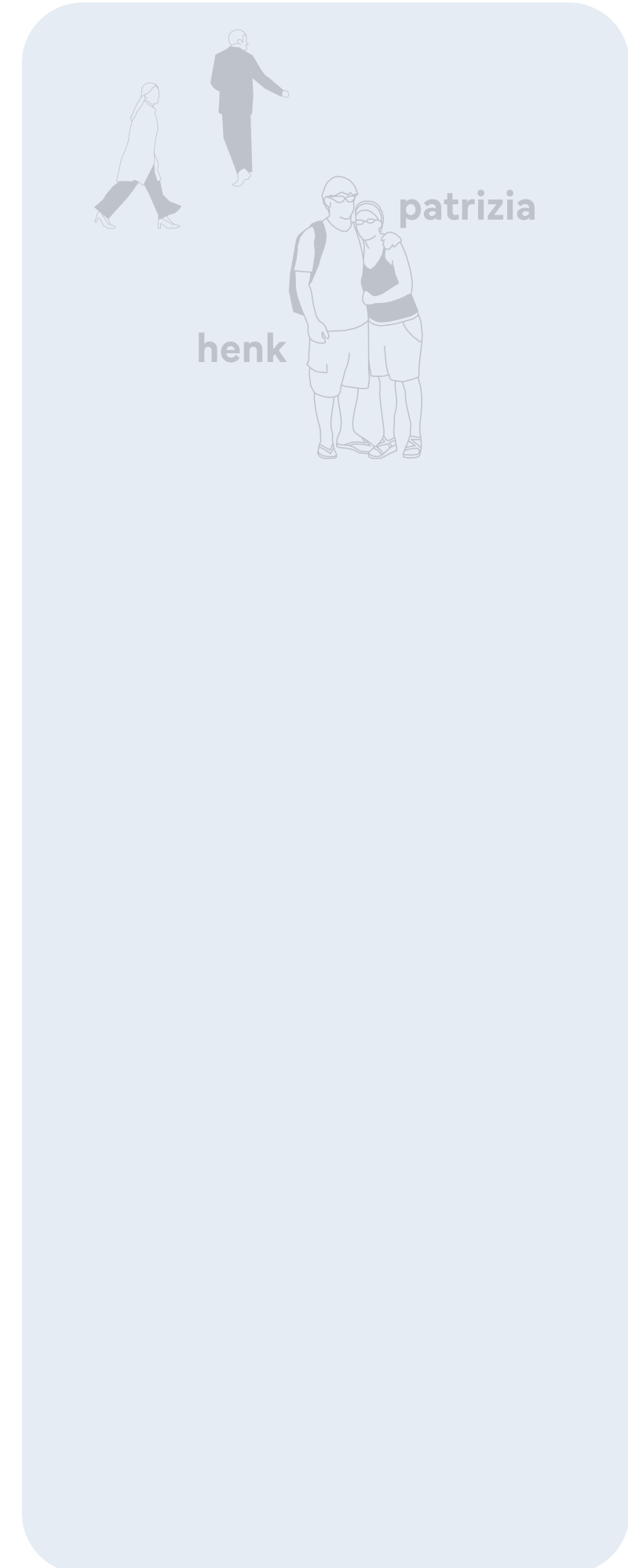
type c 1



research



type e 1



design

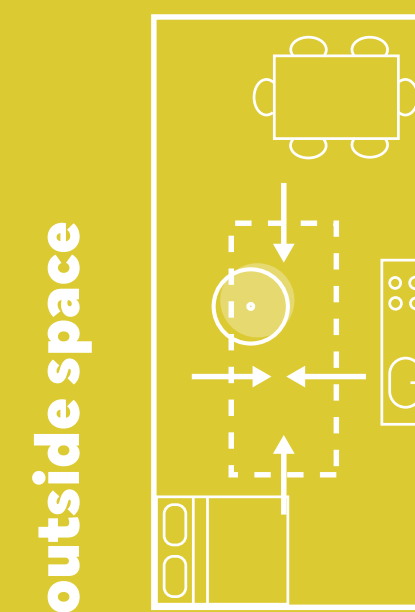
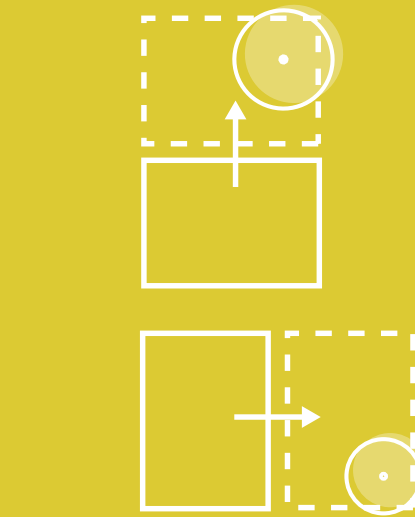
changing spatial needs.

type a 2



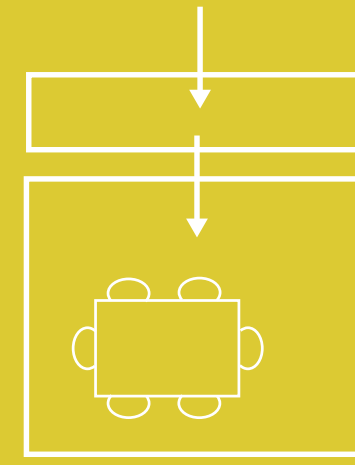
problem

type c 1

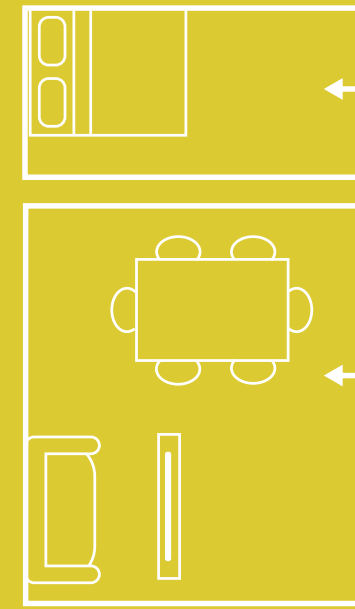


research

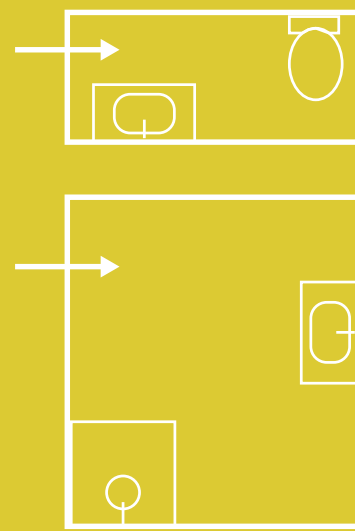
entrance



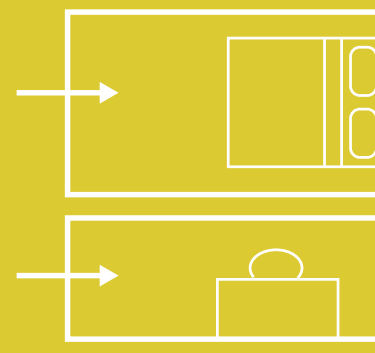
guest (bed)room



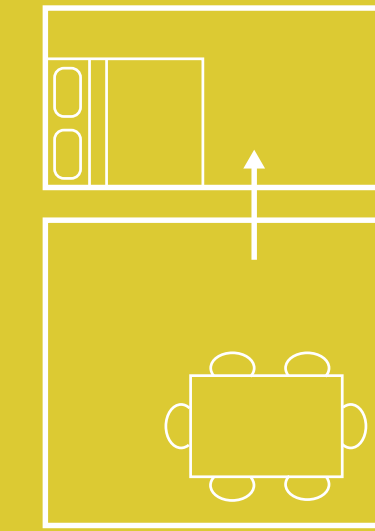
bathroom & toilet



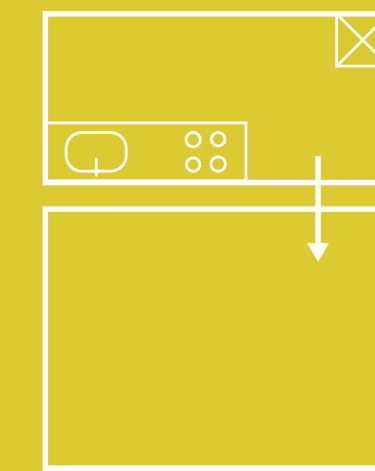
home office



degree of privacy



kitchen



type e 1



design

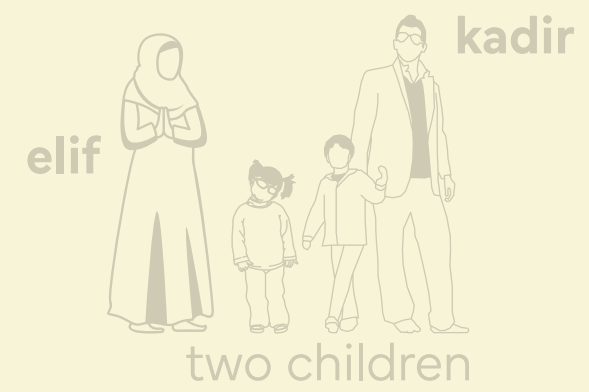
changing spatial needs.

type a 2



problem

type c 1

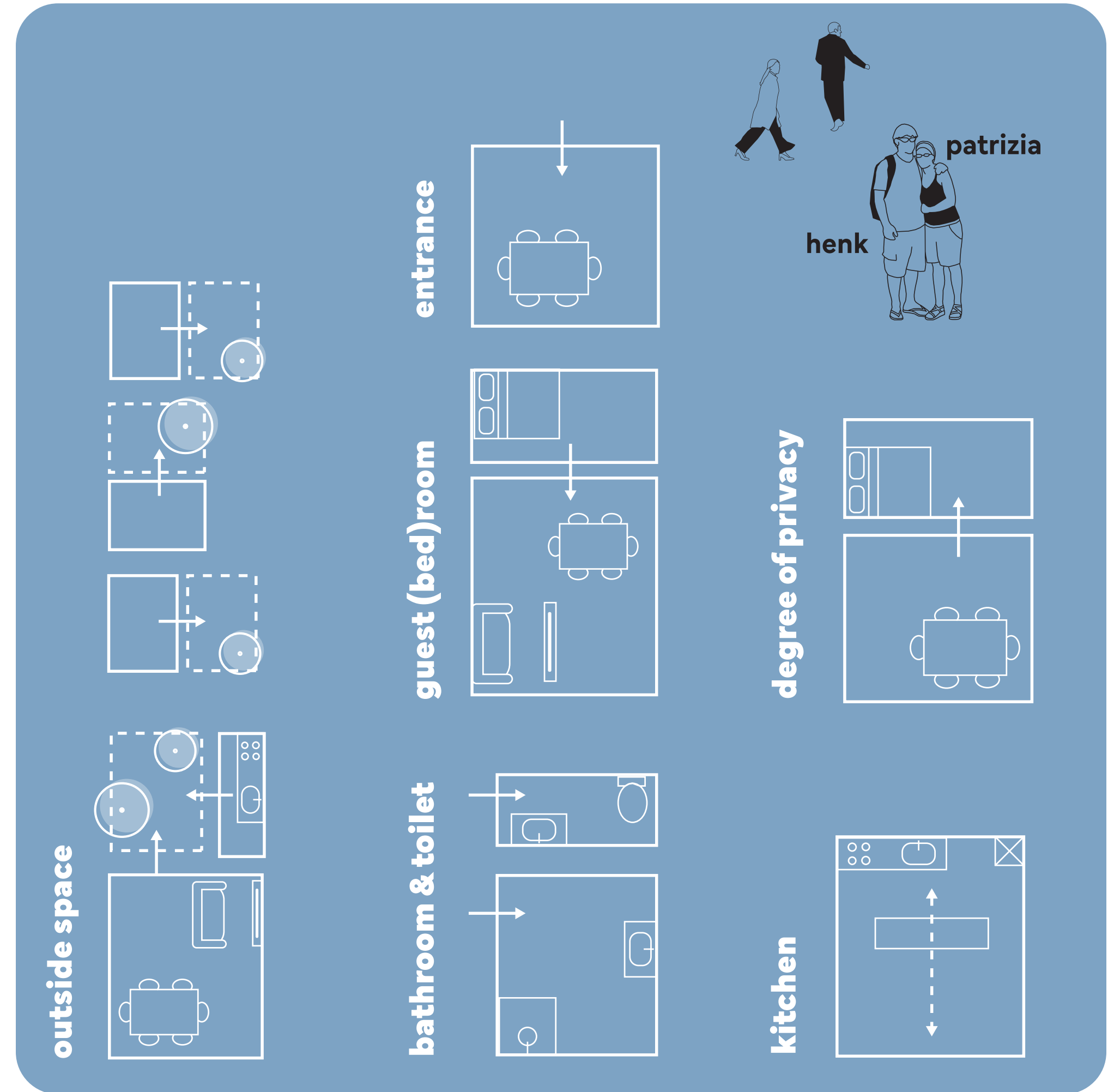


research

type e 1



design

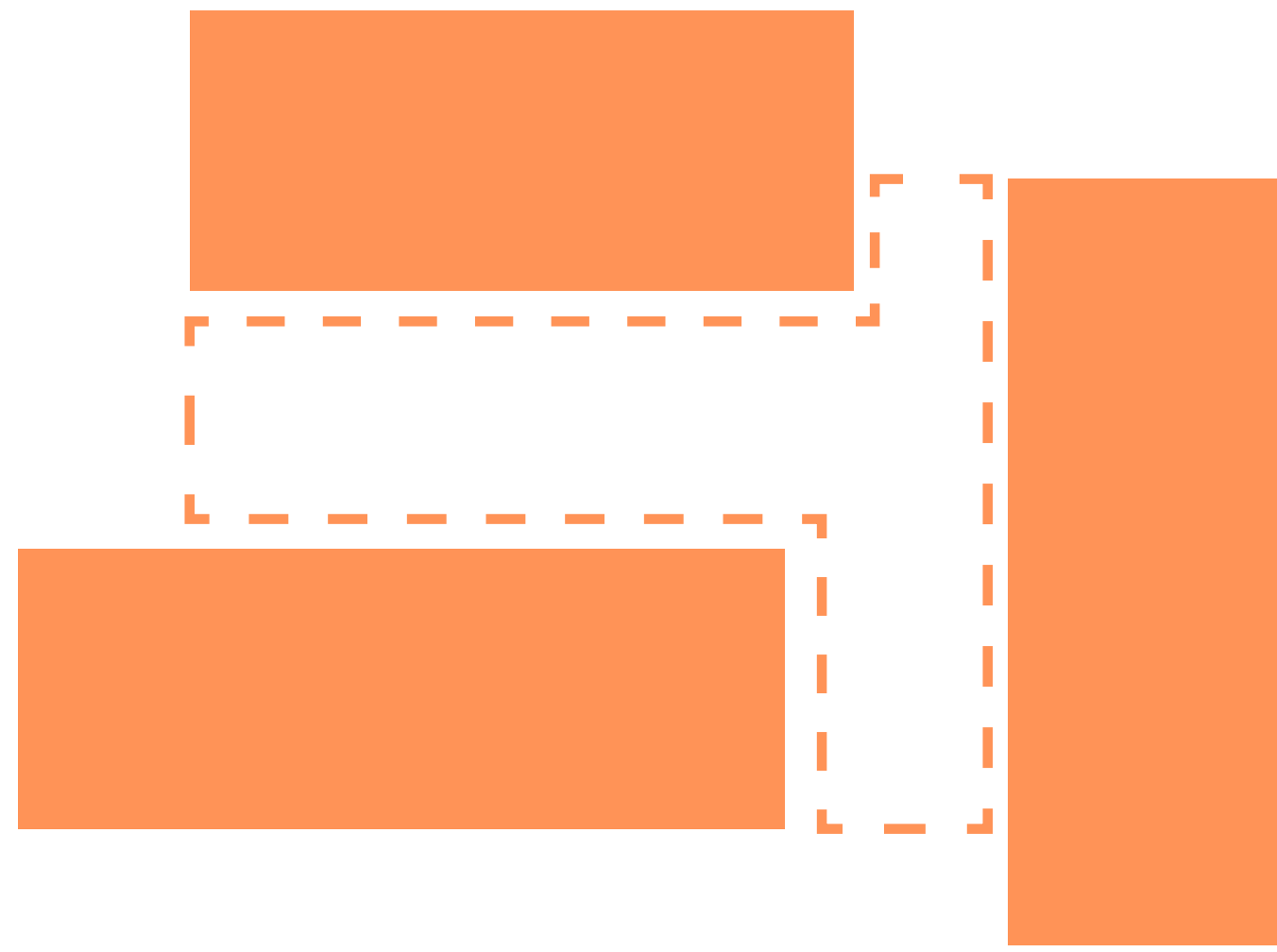


how can an adaptive housing system be designed to accommodate the changing spatial needs of its residents, while incorporating **co-living principles?**
tool for interaction &
reducing m² per household

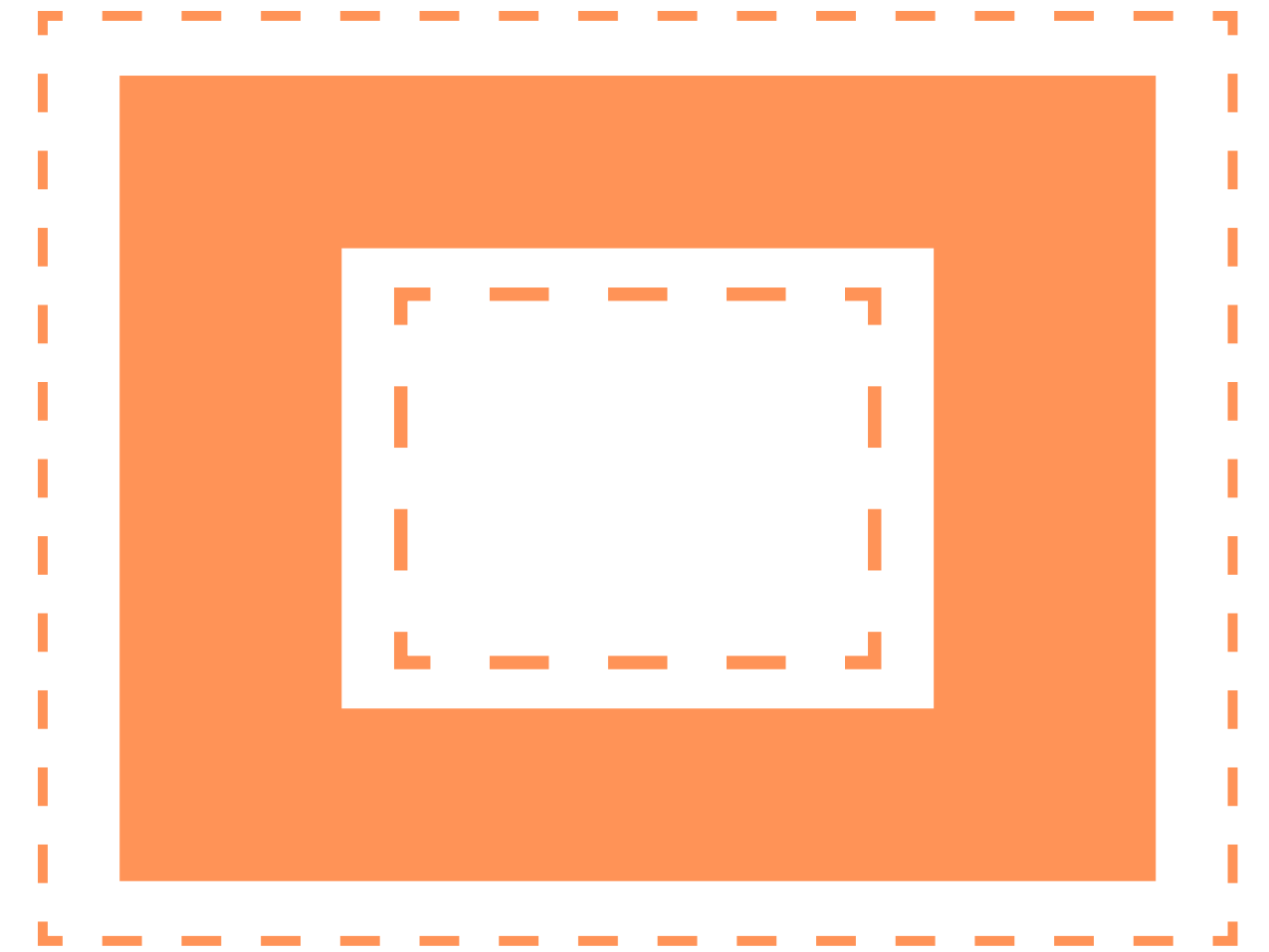
co-living principles.



the courtyard.



guest house.



the gallery.

problem

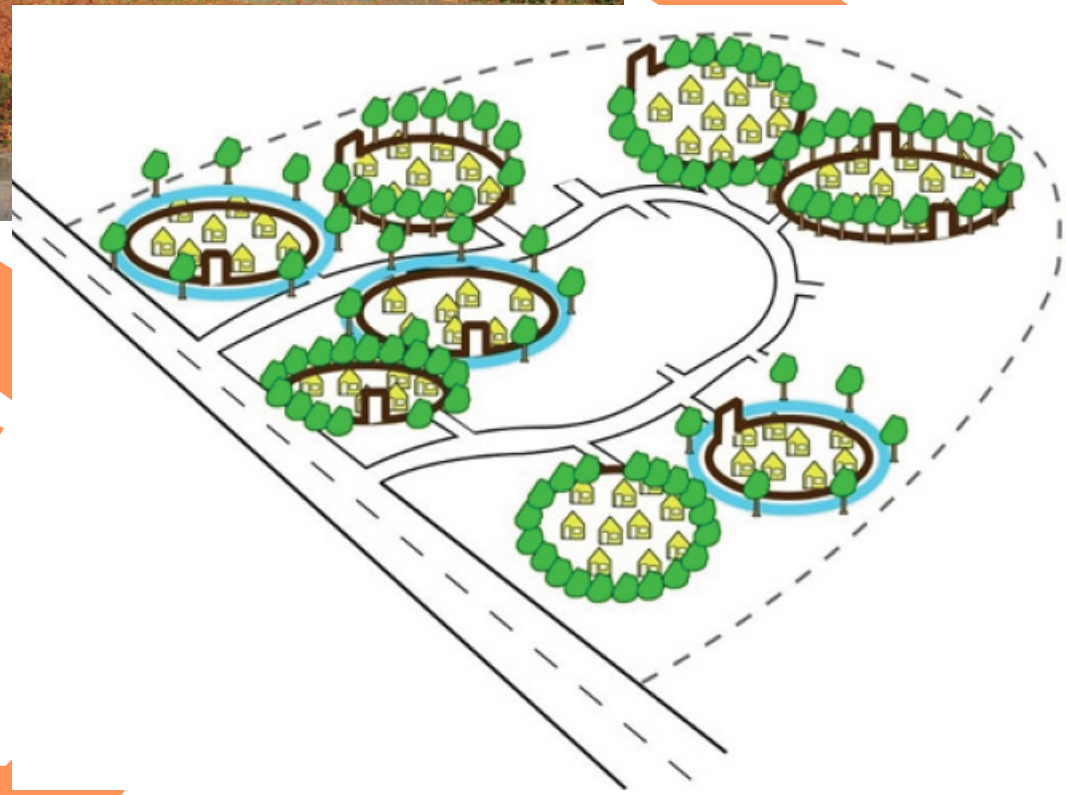


research

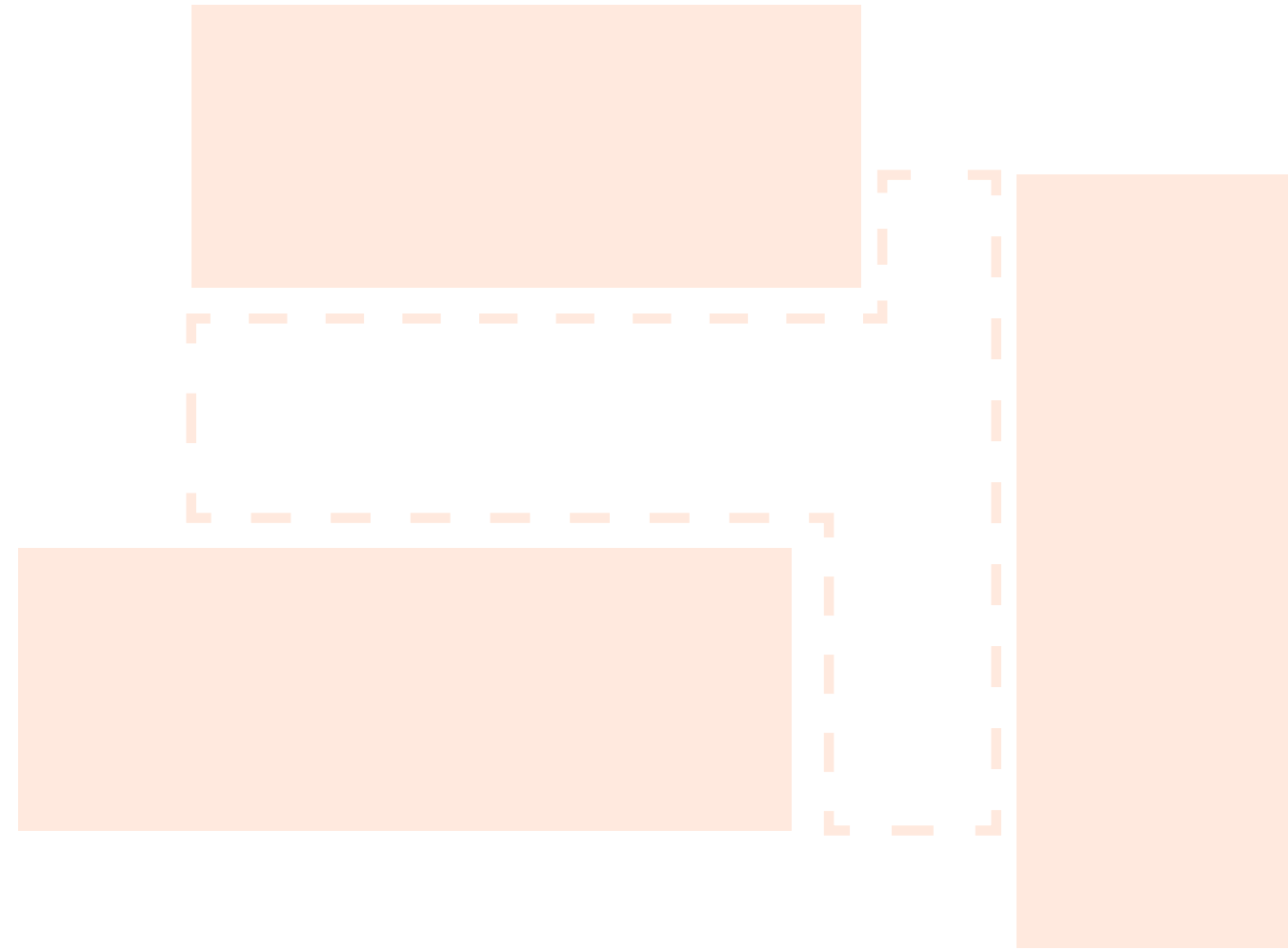


design

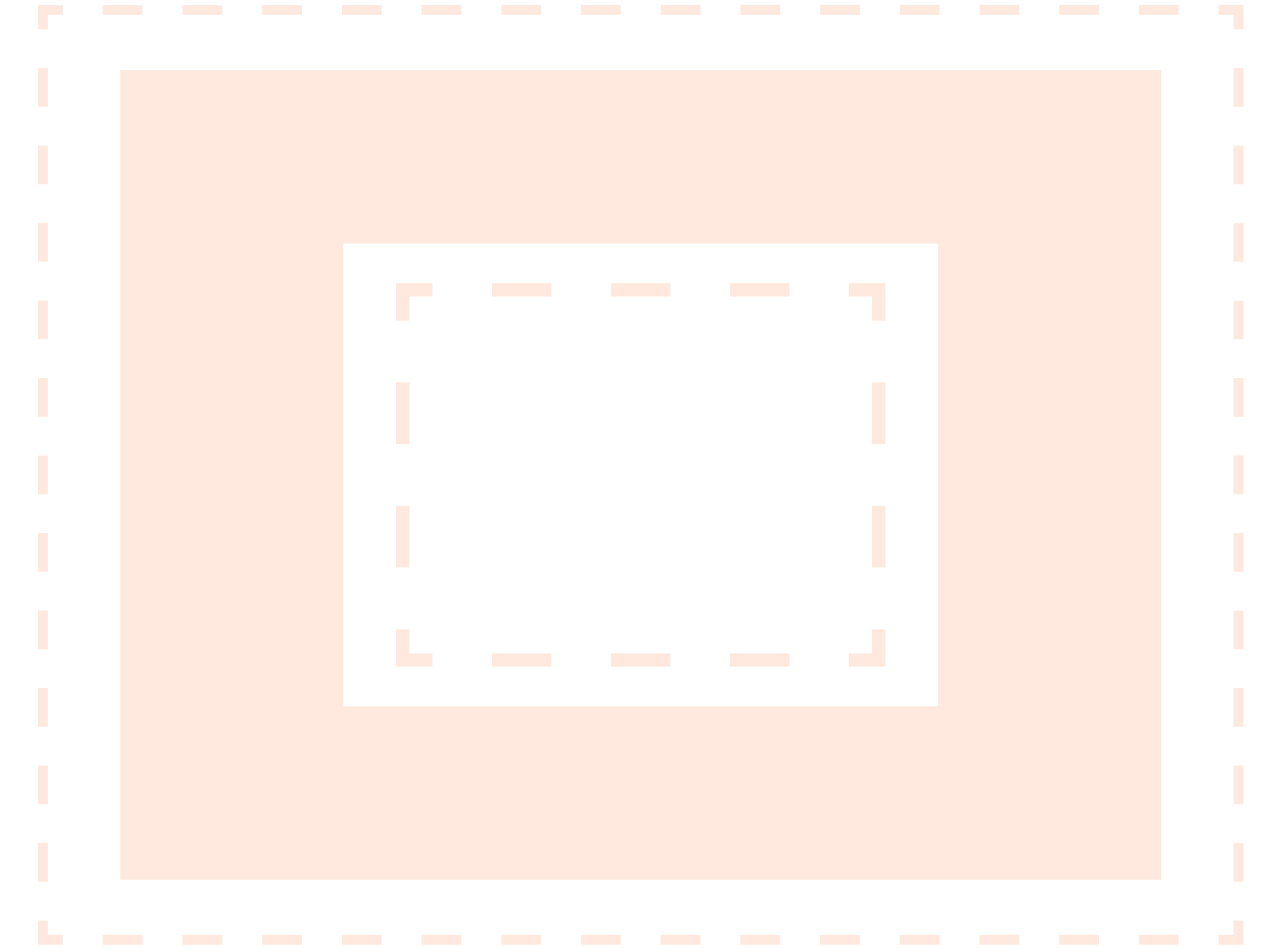
co-living principles.



the courtyard.



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the gallery.

problem



research



design

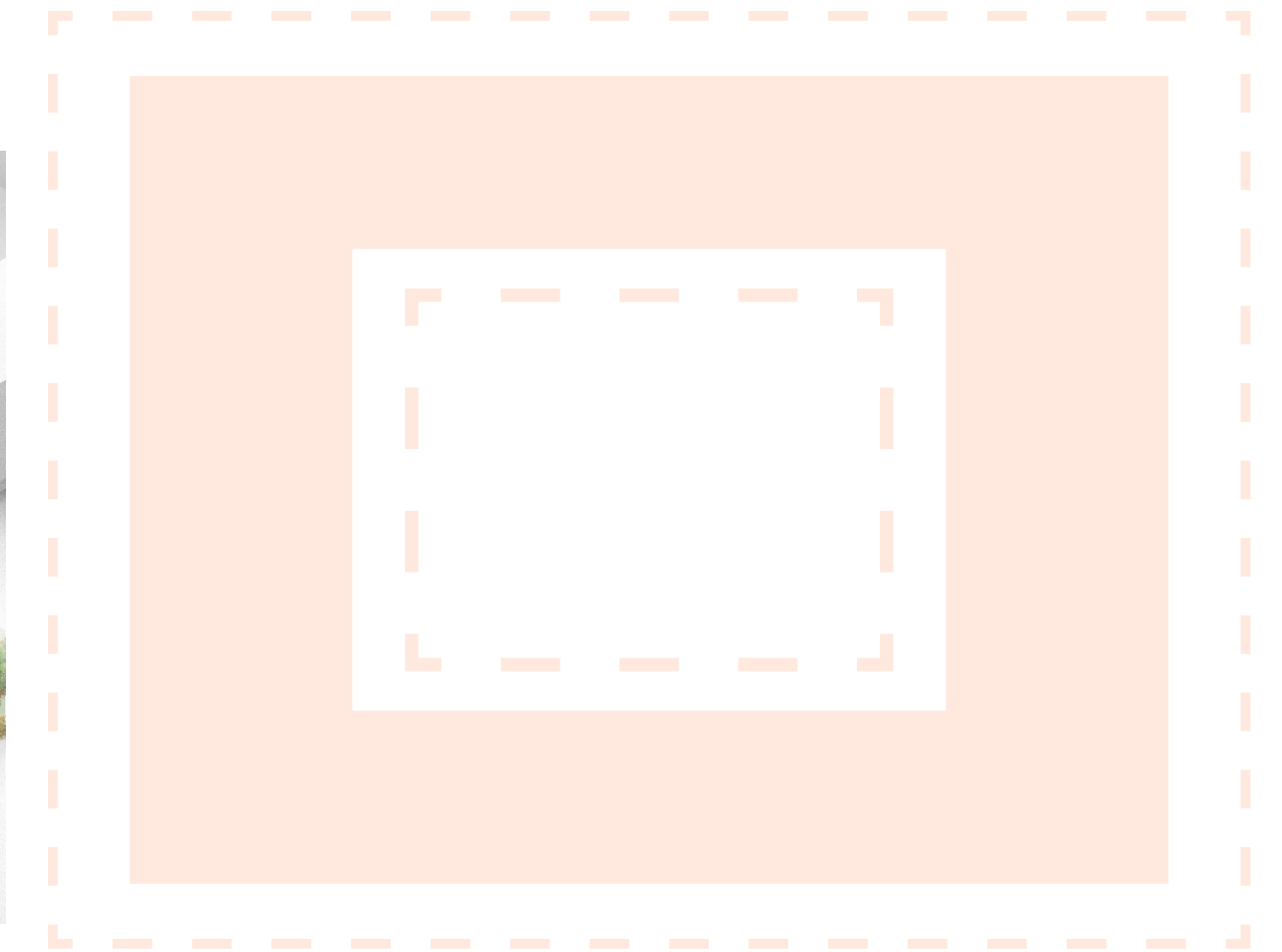
co-living principles.



the courtyard.



guest house.



the gallery.

problem



research

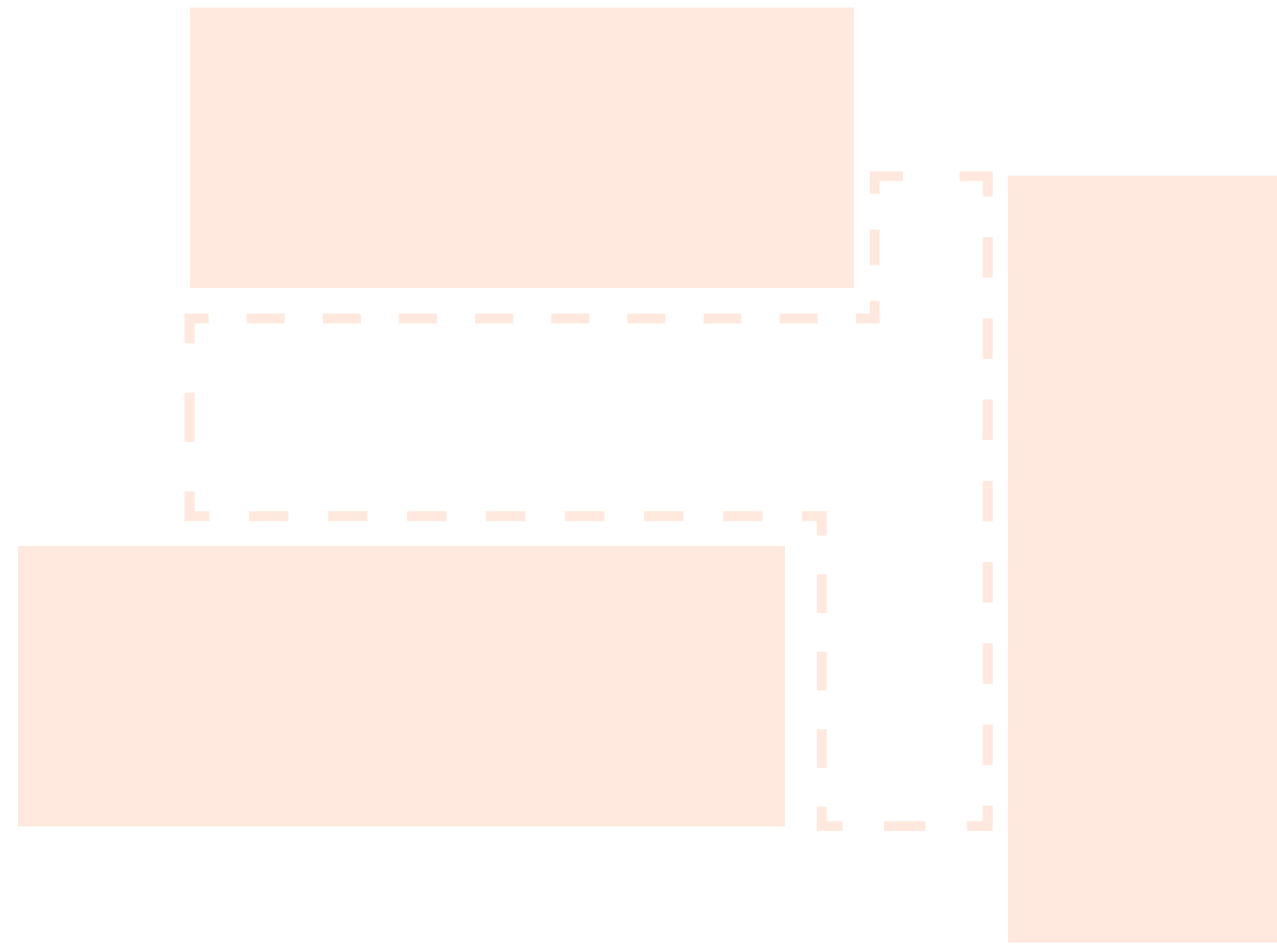


design

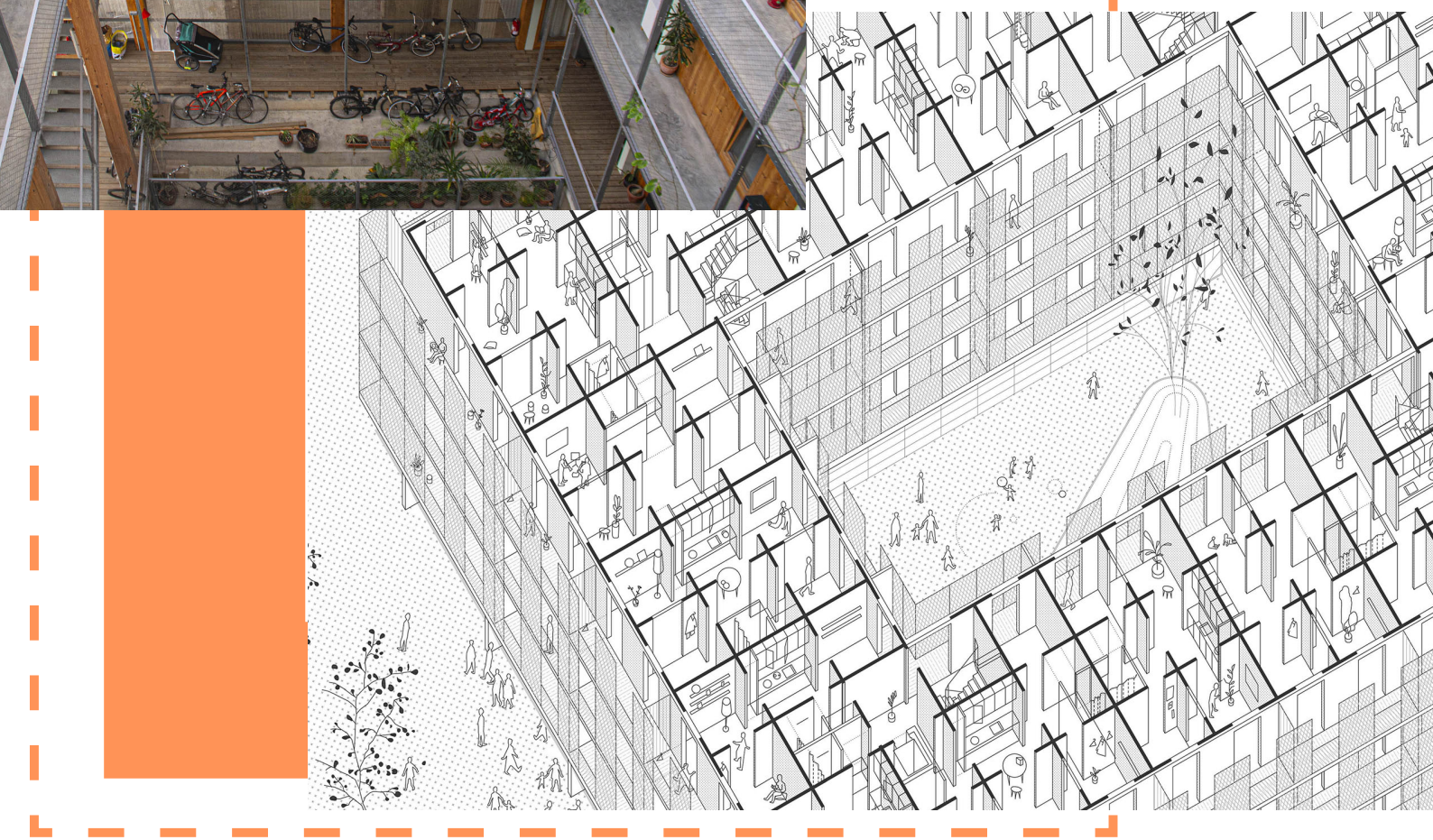
co-living principles.



the courtyard.



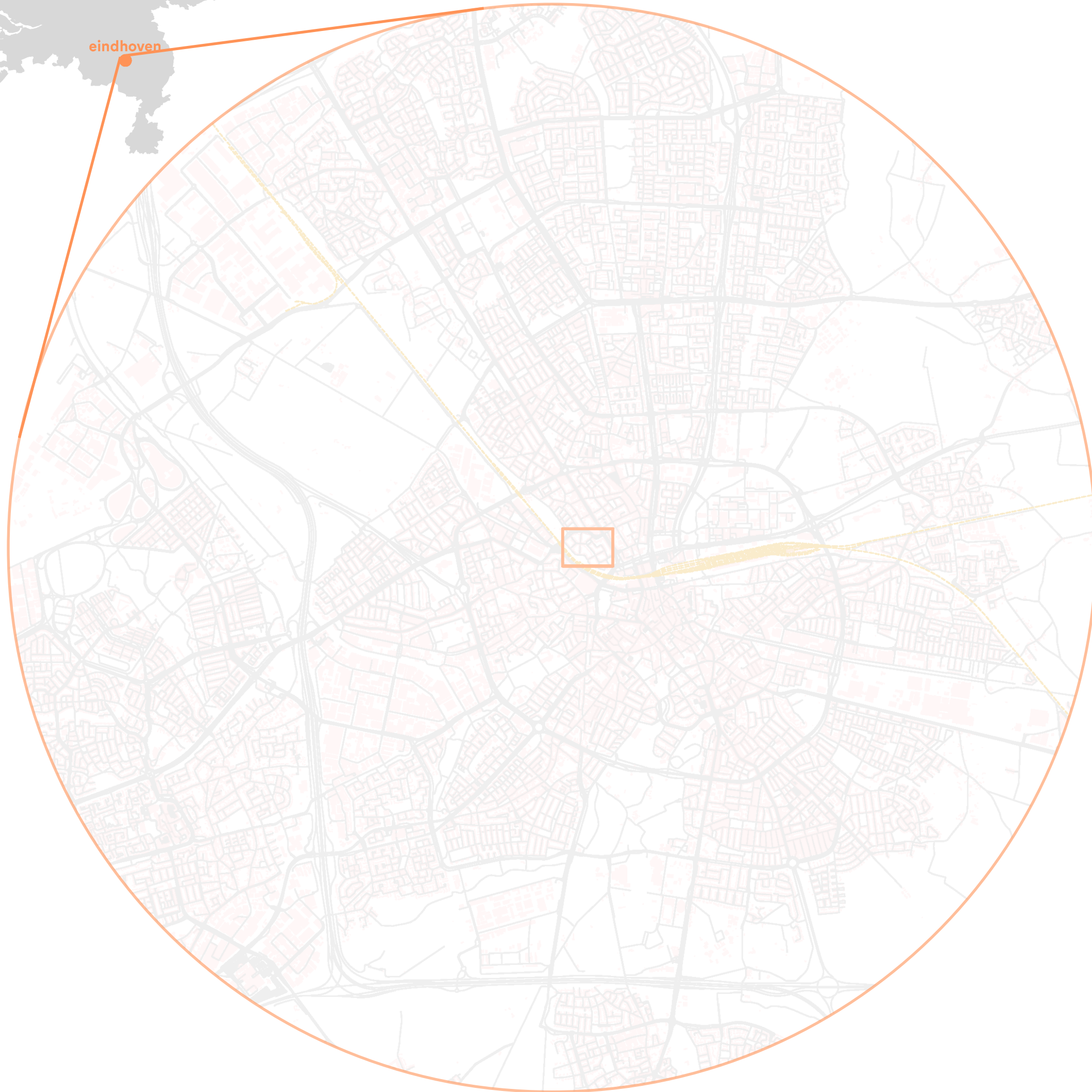
guest house.



the gallery.







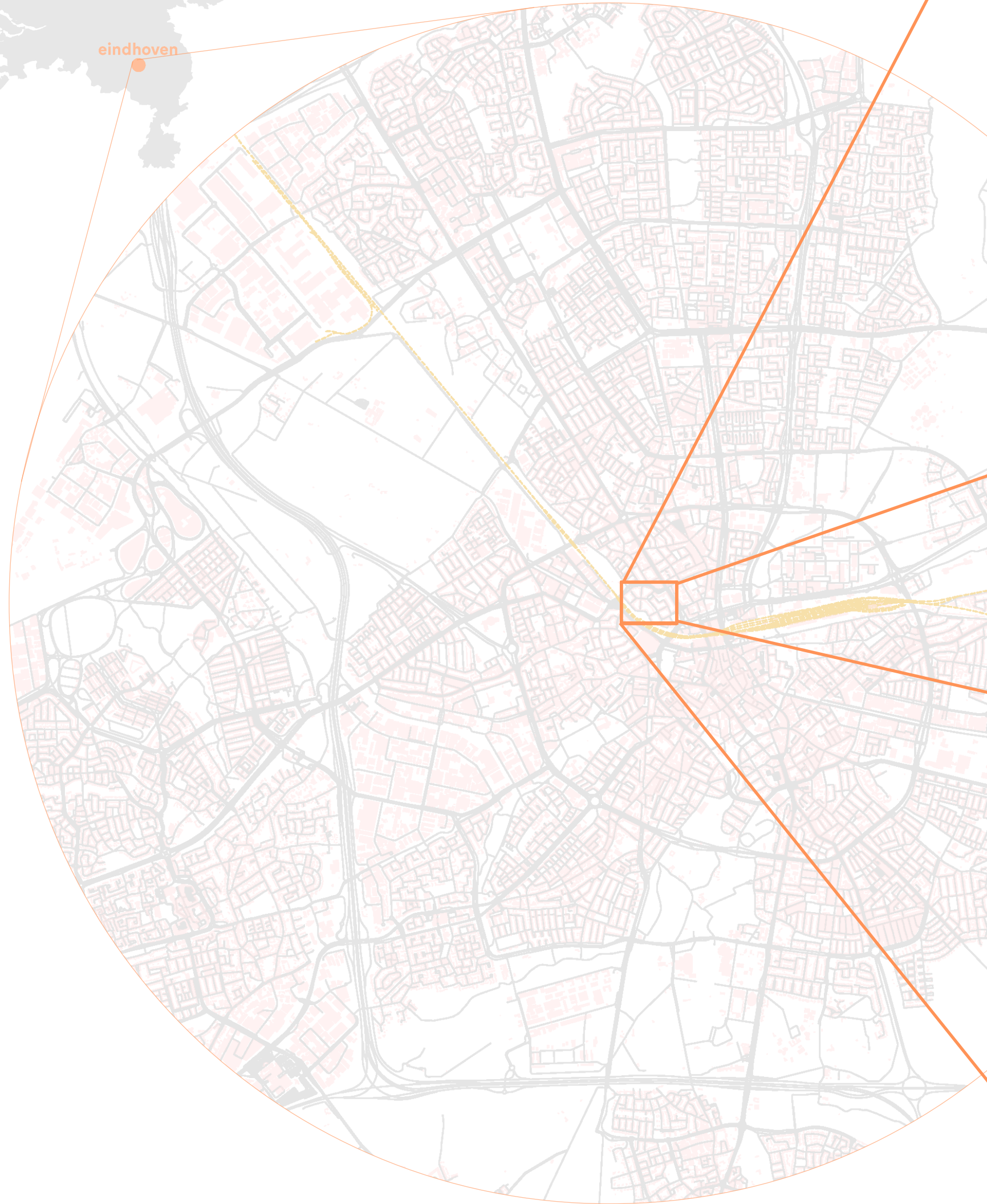
problem



research



design



problem



research



design



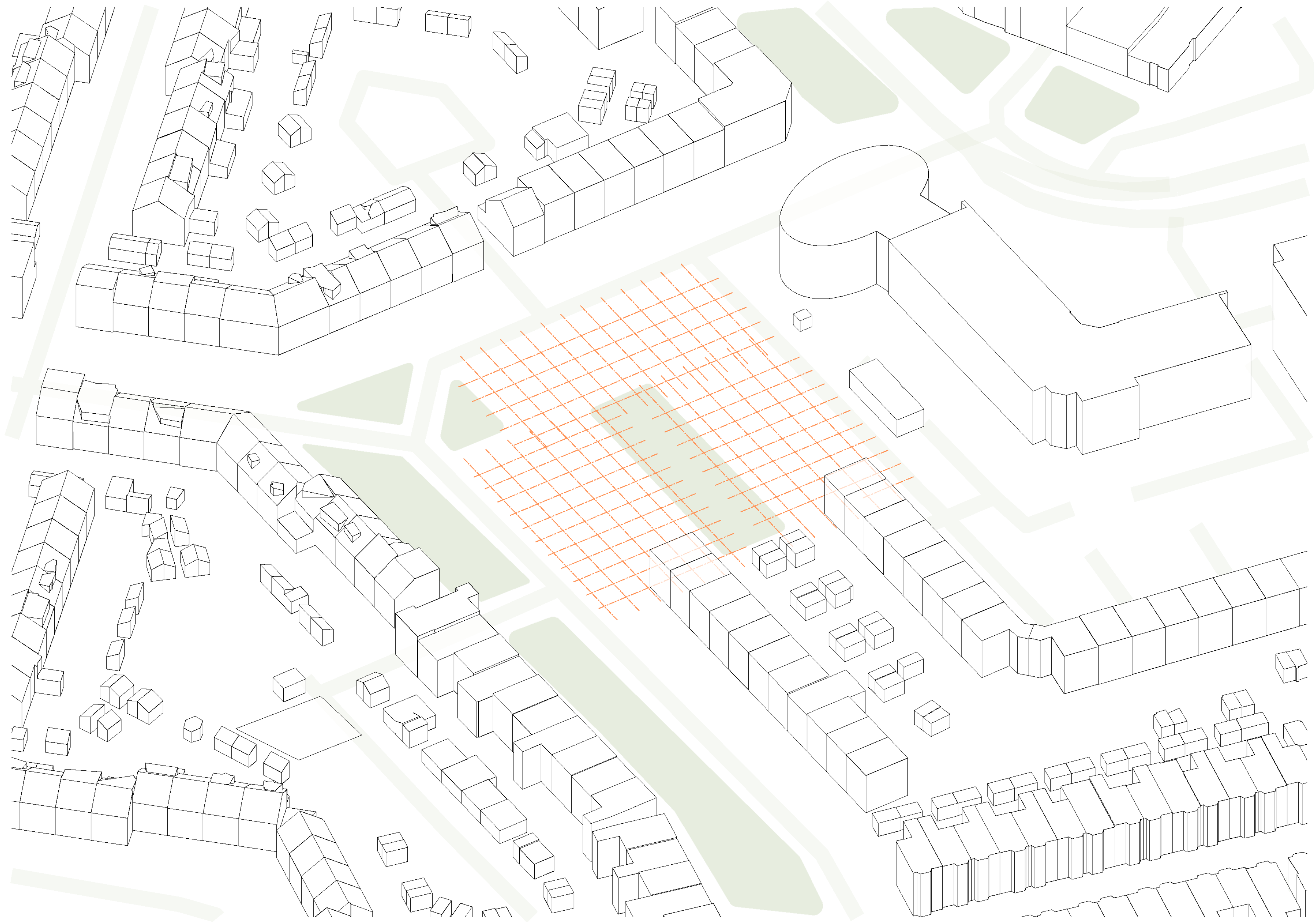
problem



research



design



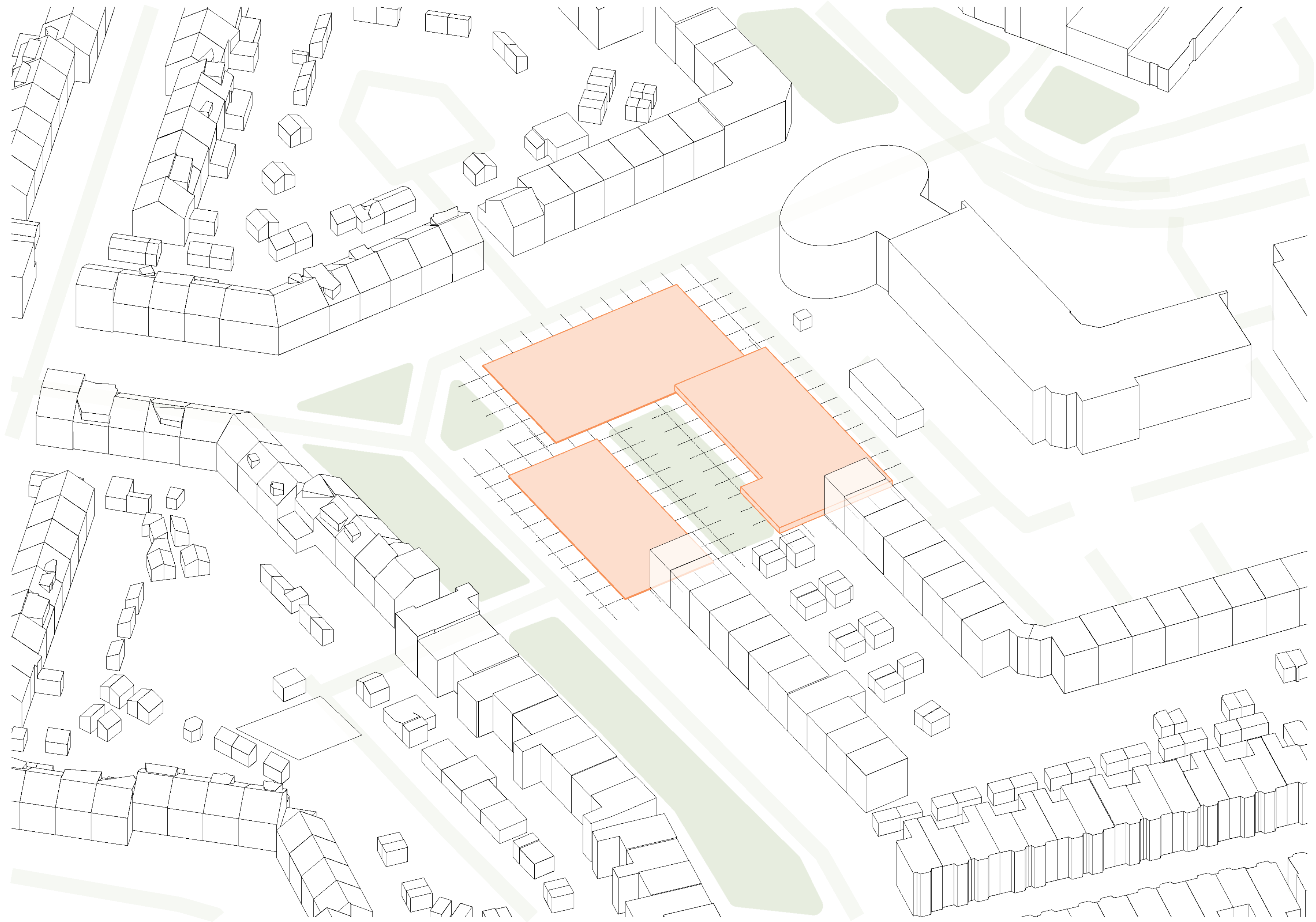
problem



research



design



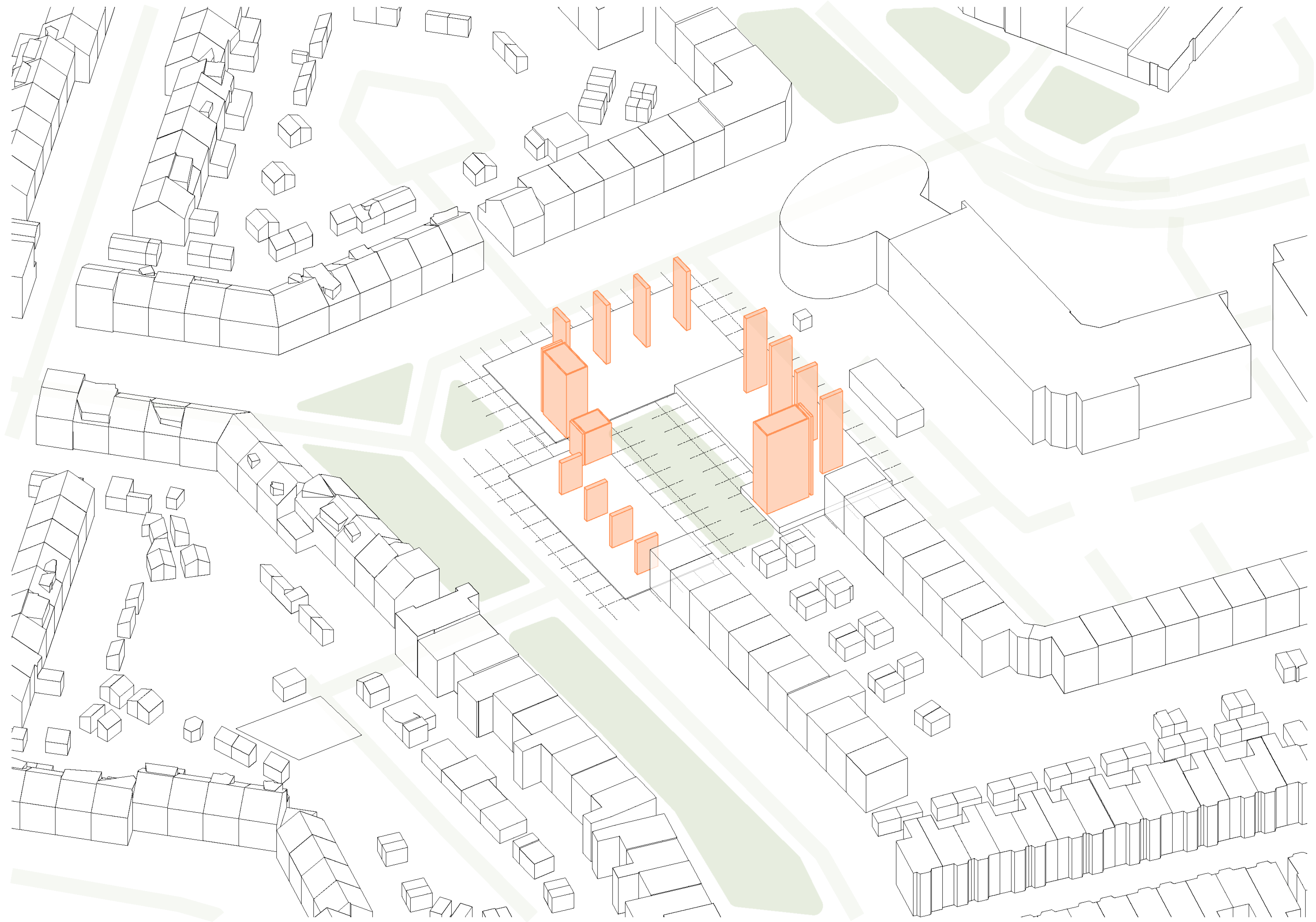
problem



research



design



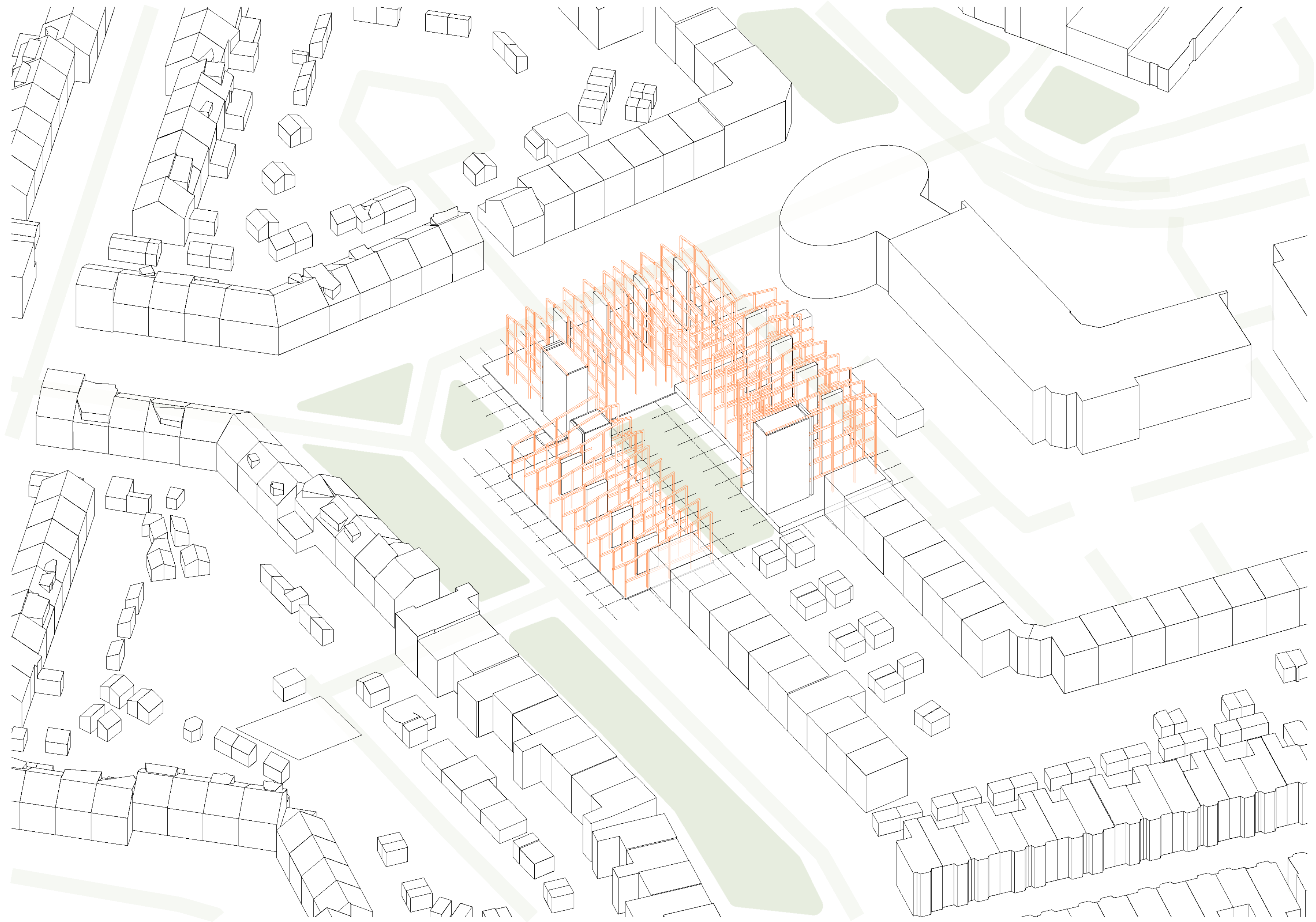
problem



research



design



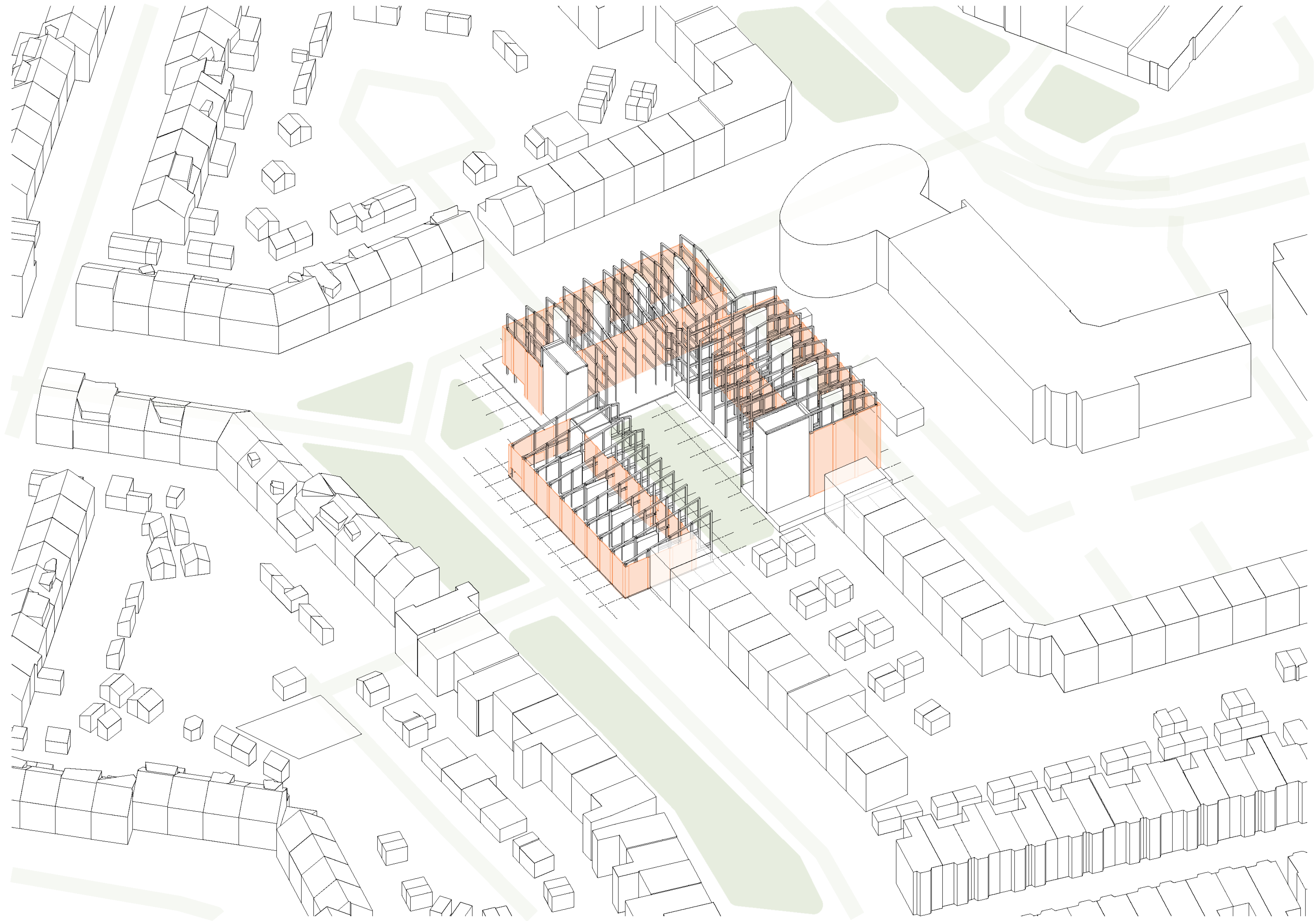
problem



research



design



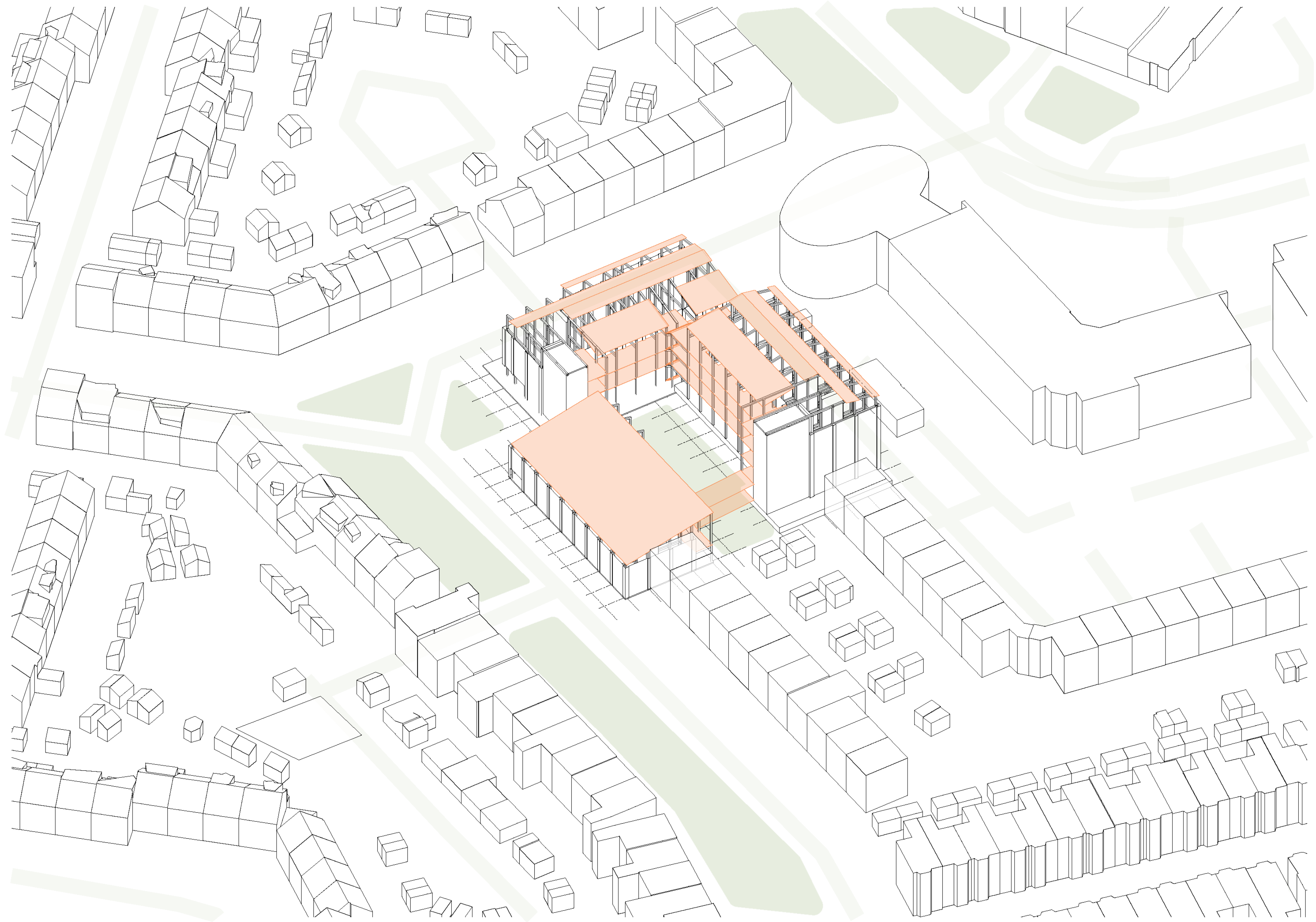
problem



research



design



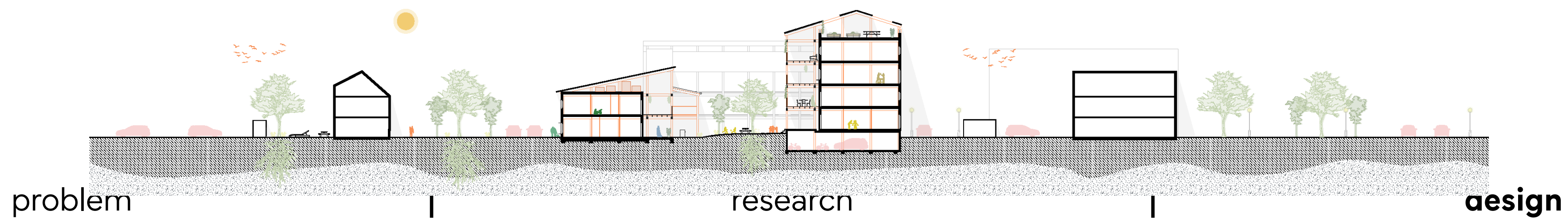
problem

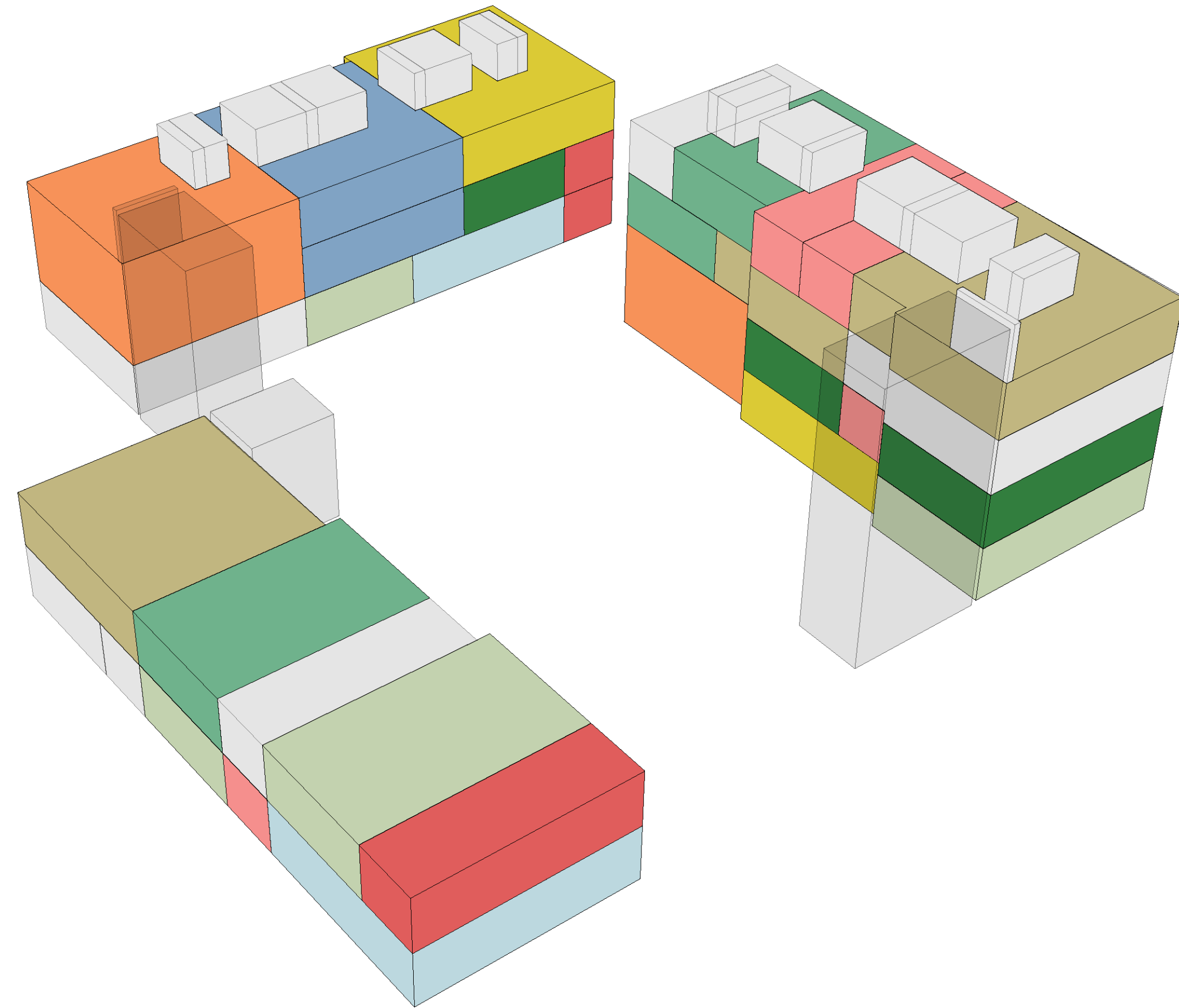


research



design





problem



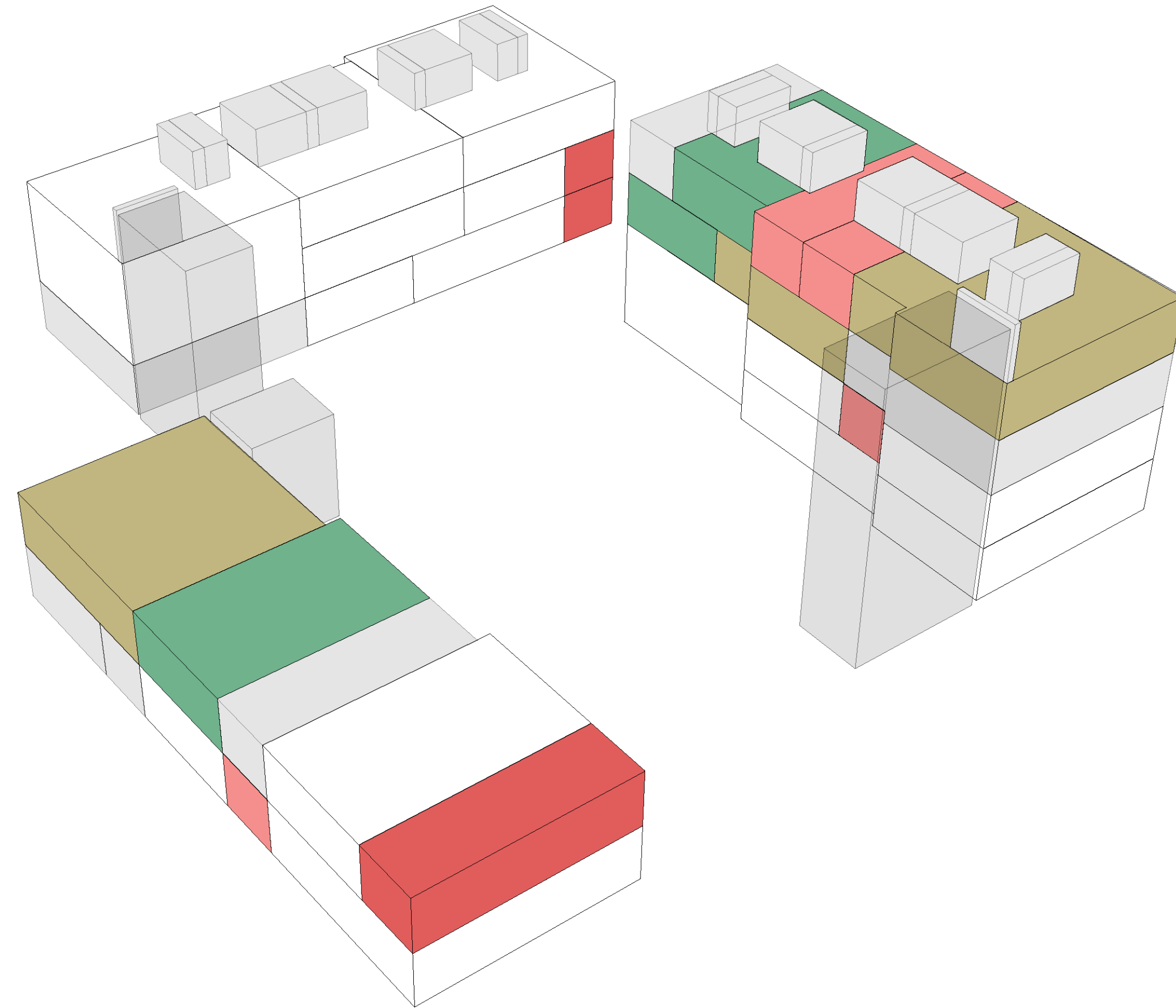
research



design



anaya



problem



research



design



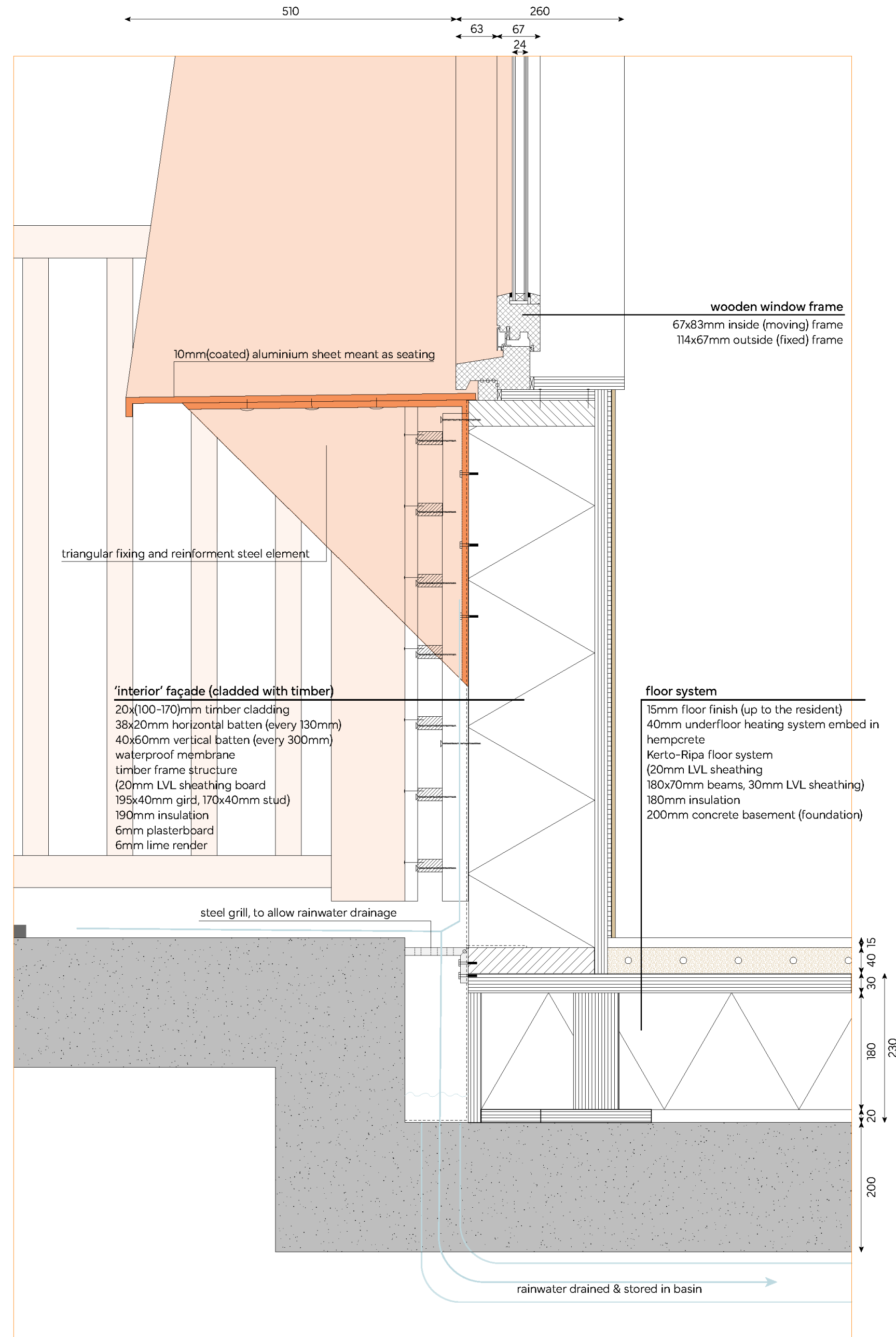
problem



research



design



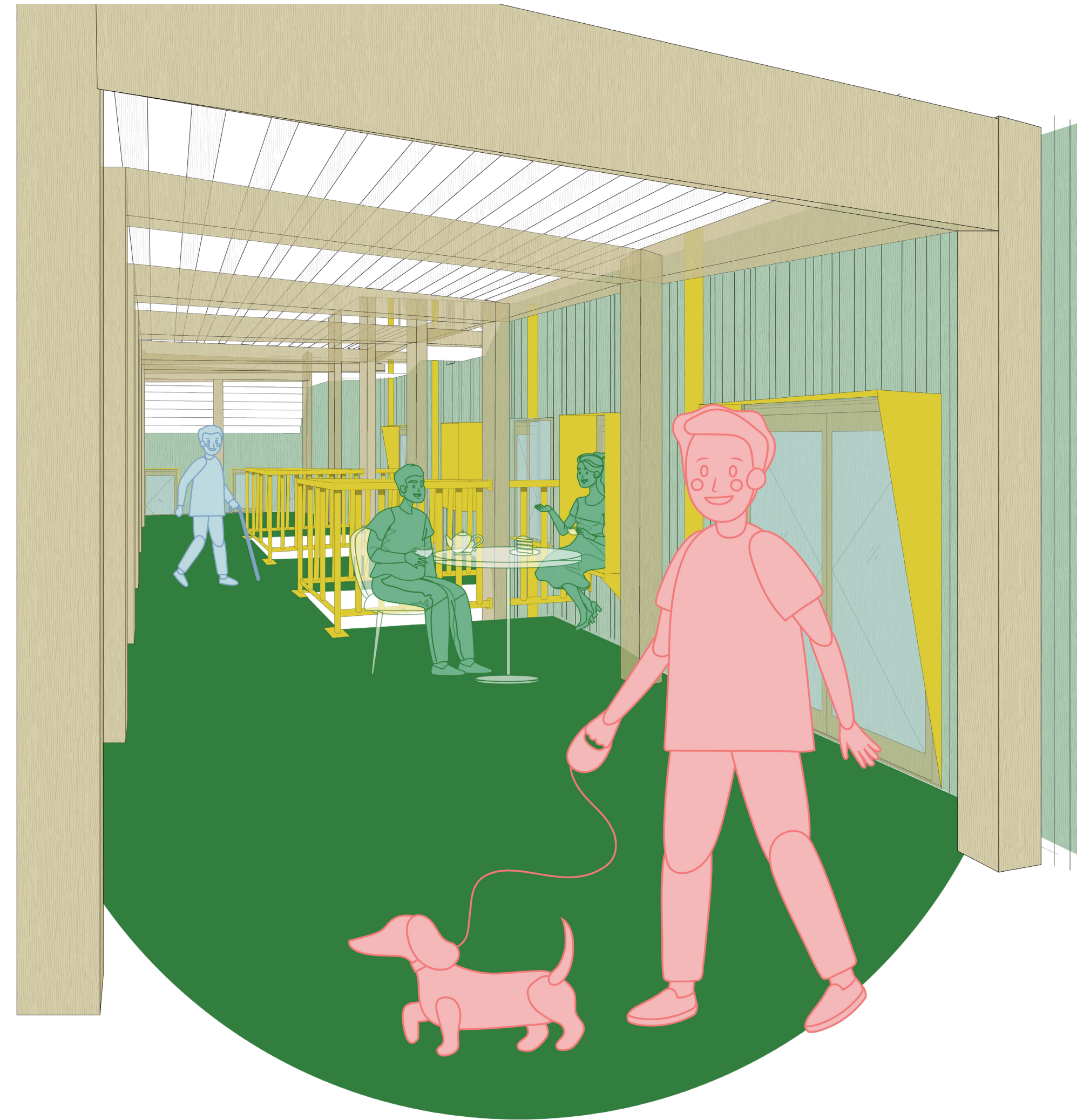
problem

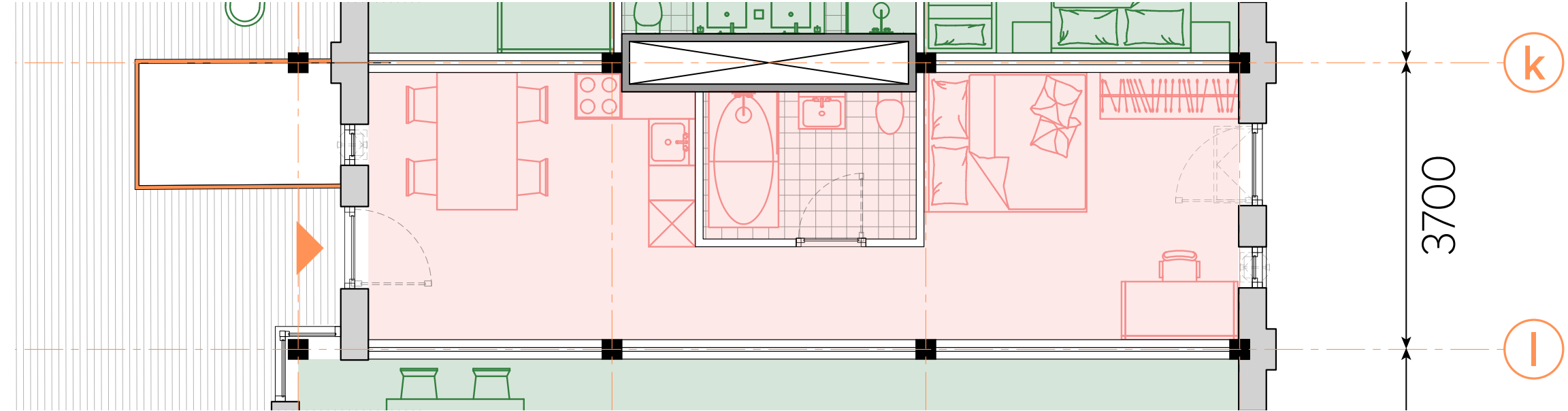
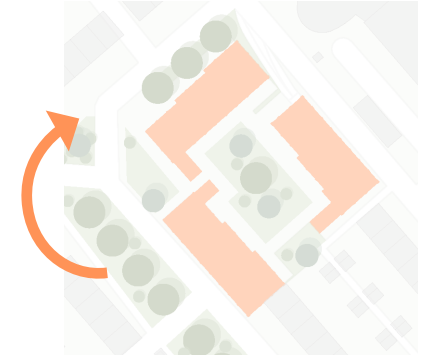


research



design





problem



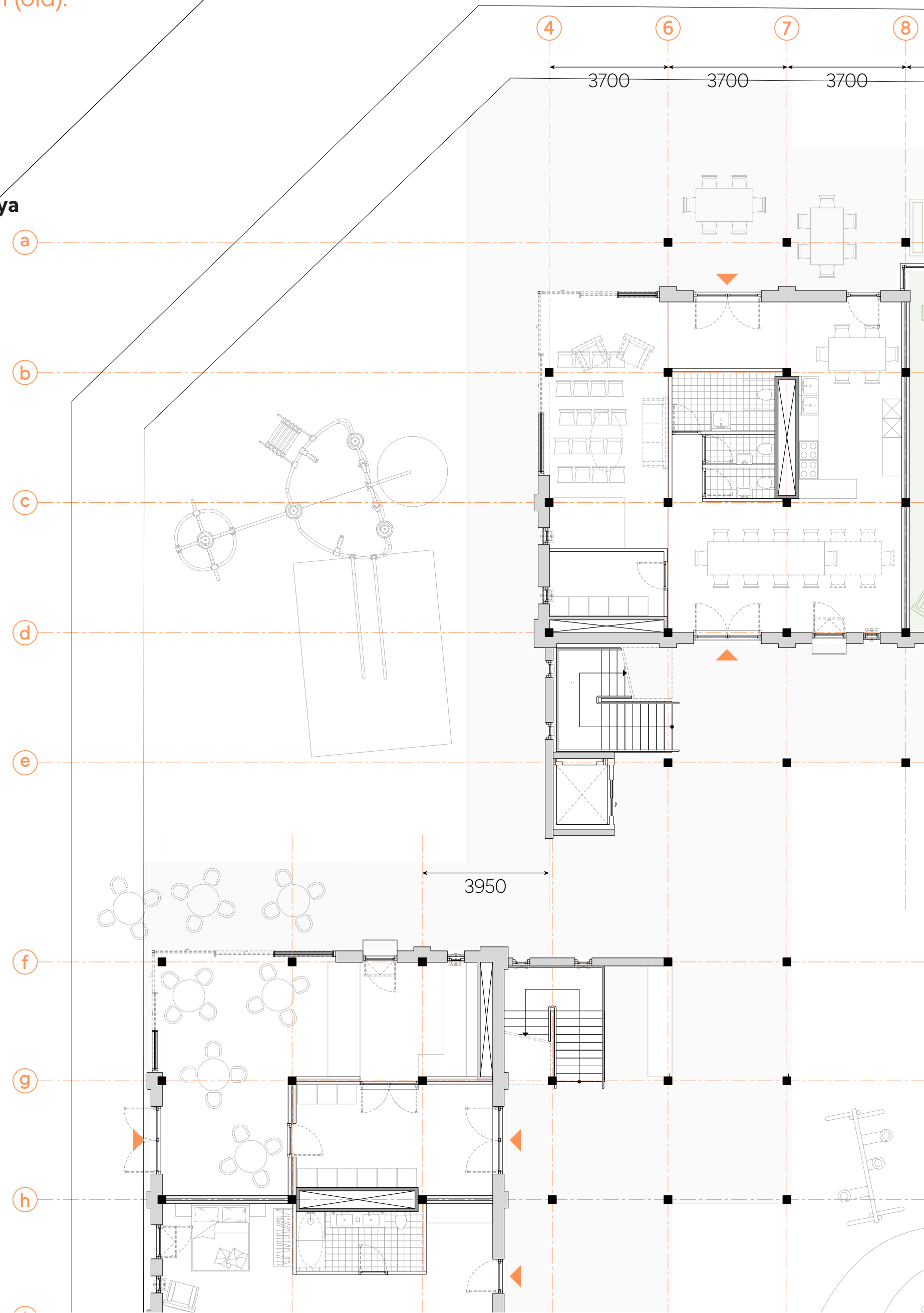
research



design



anaya



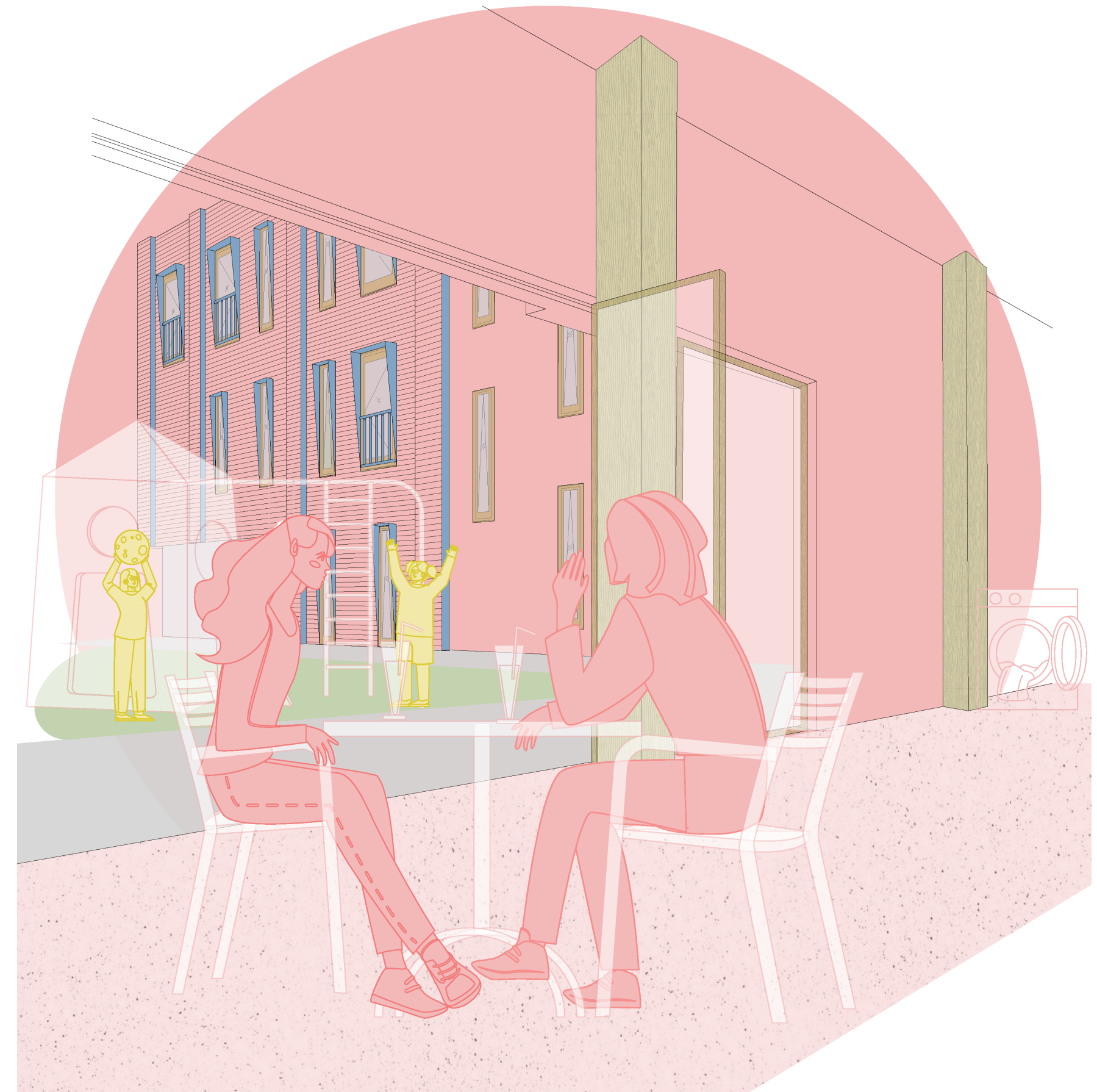
problem

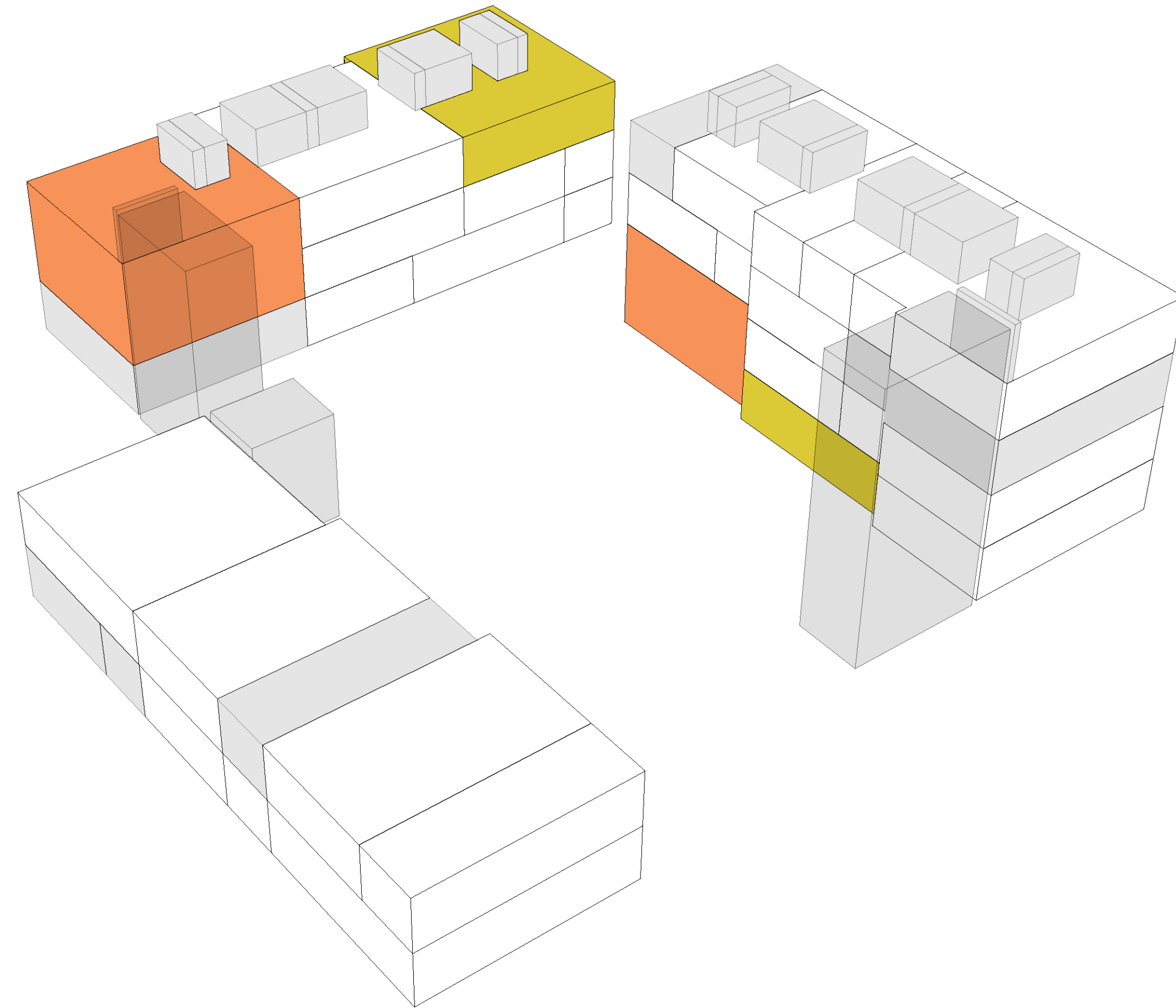


research



design





problem



research

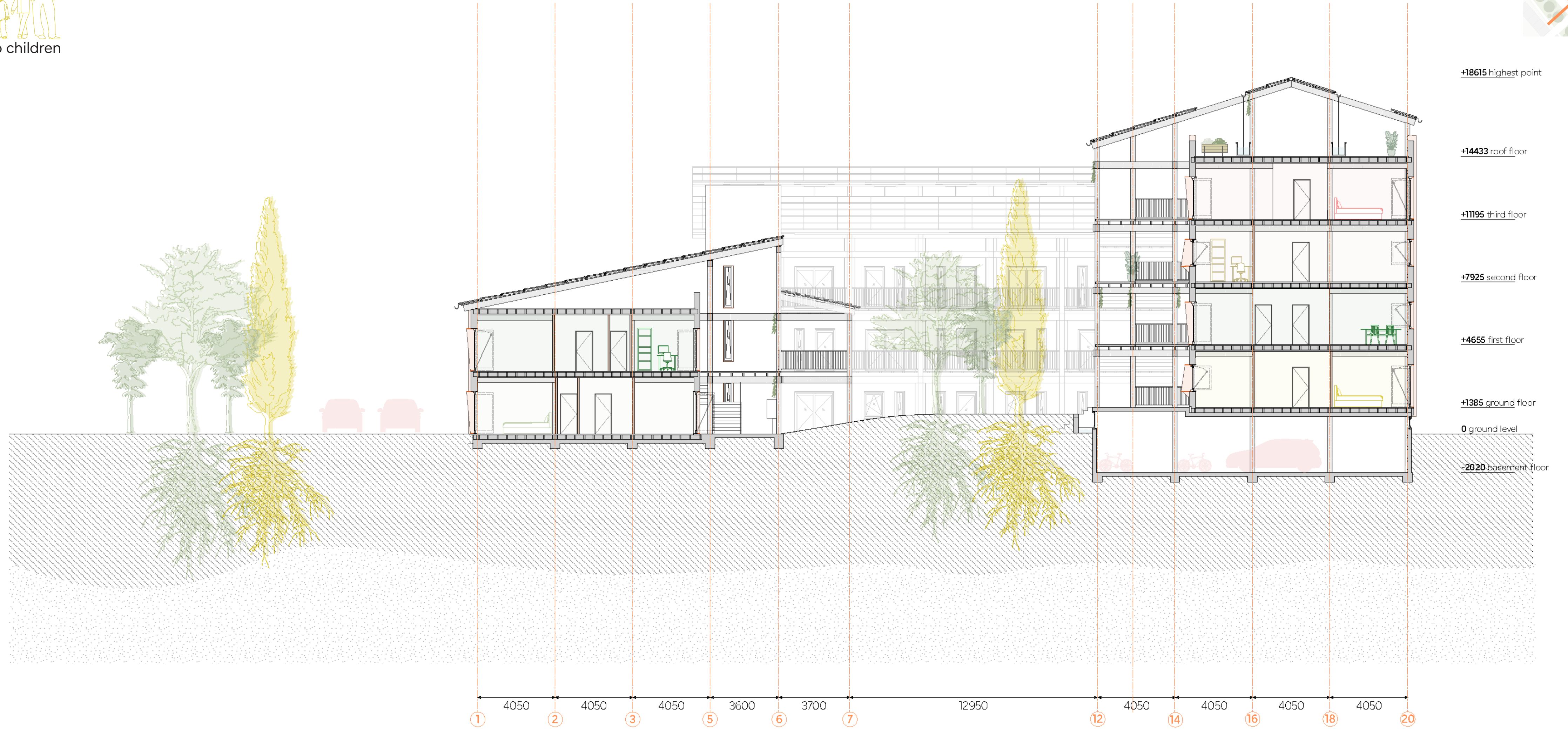
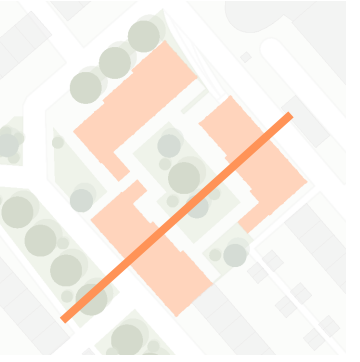


design

a home grown (old).



emma van barneveld.



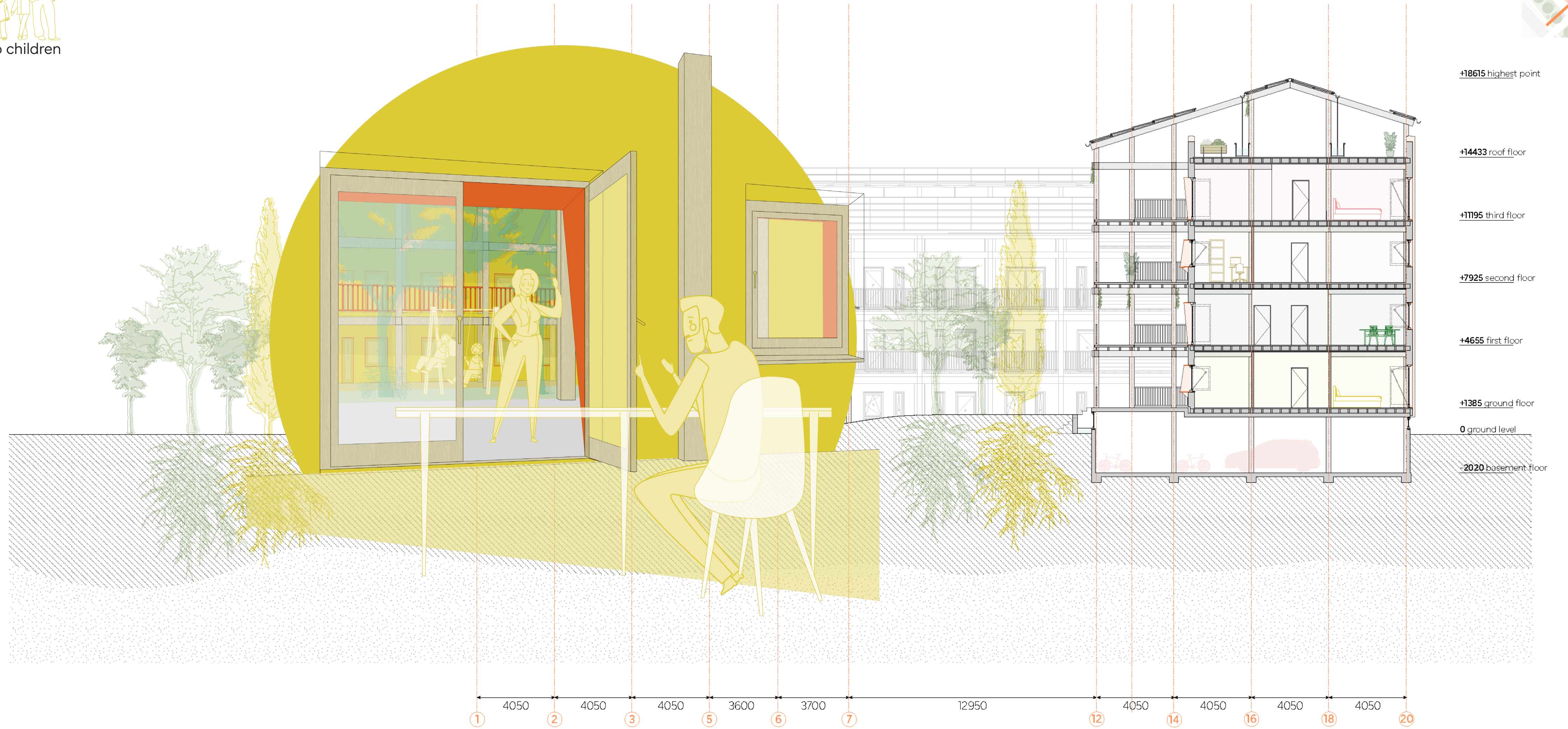
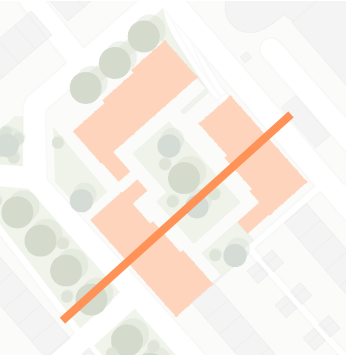
problem

research

design

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emma van barneveld.



problem

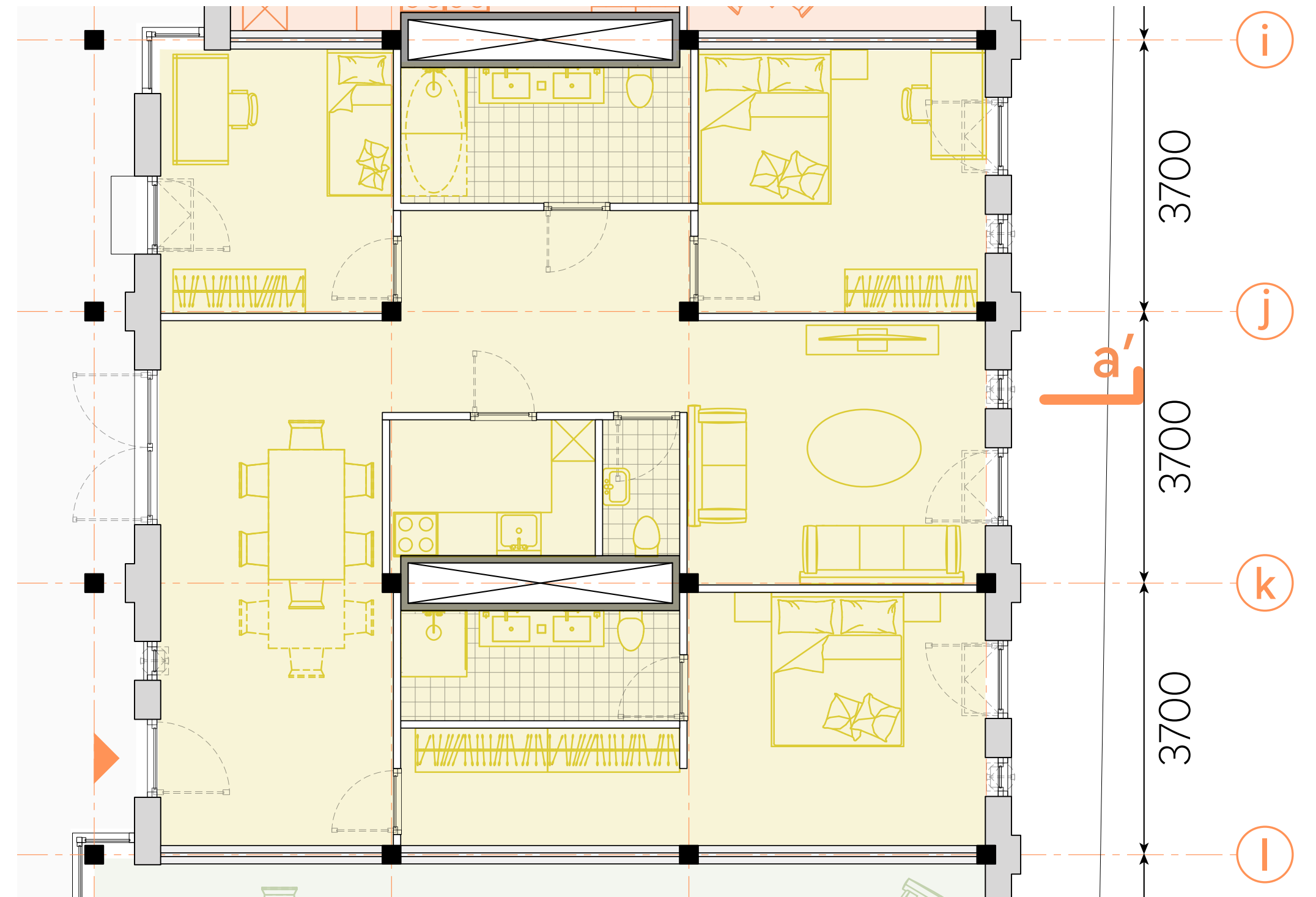
research

design

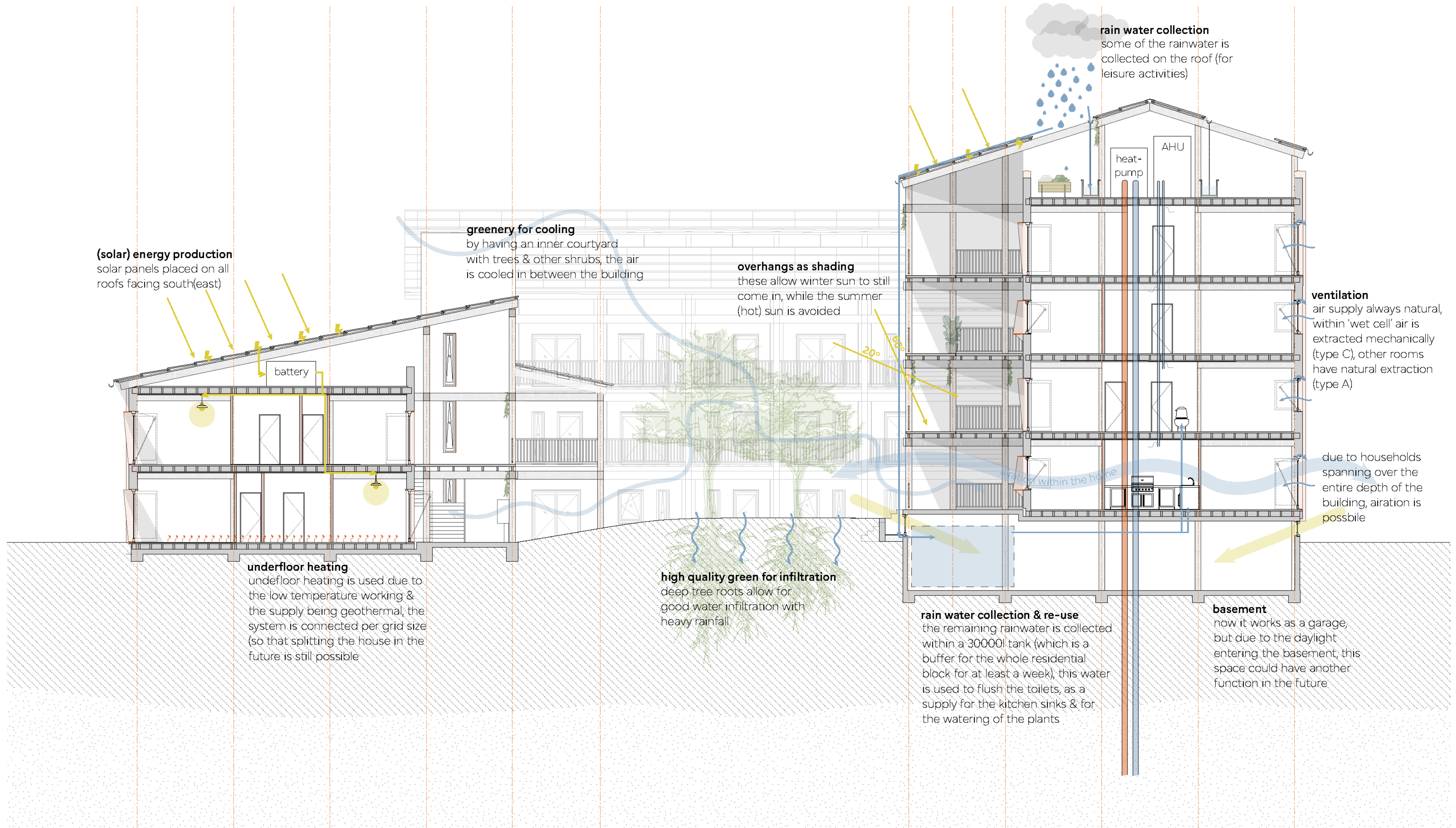
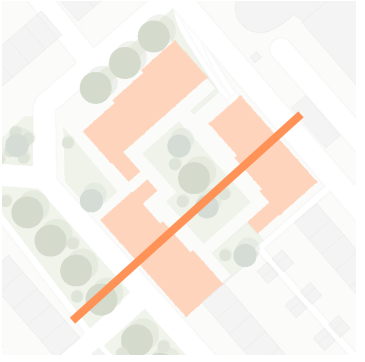


problem

research



design



problem



research

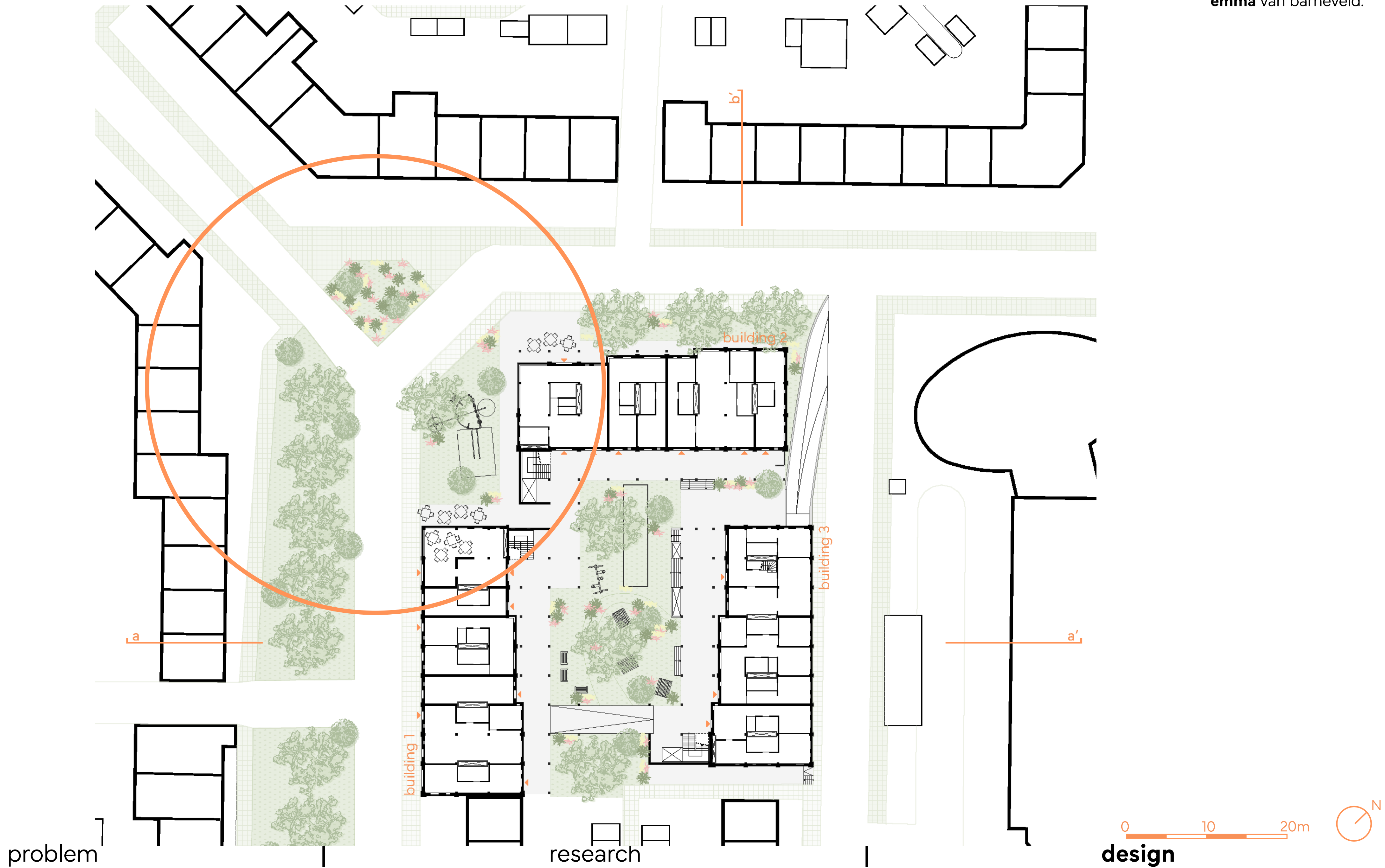


design

a home grown (old).

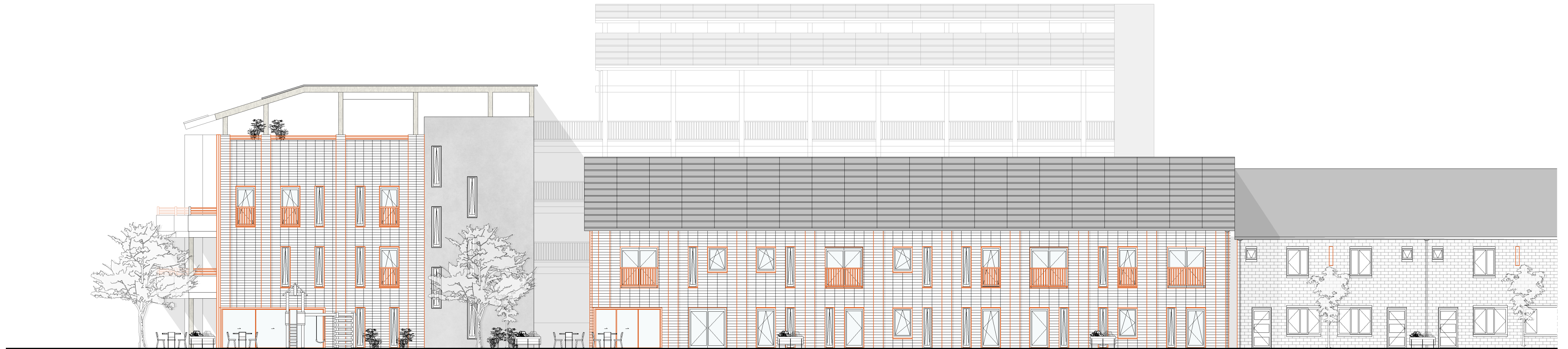
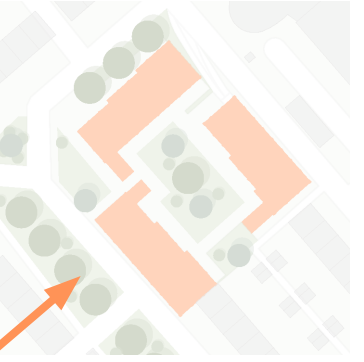
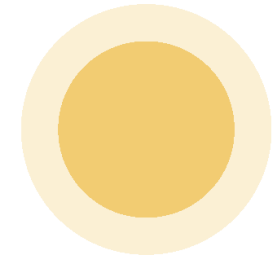


emma van barneveld.



a home grown (old).

emma van barneveld.



problem



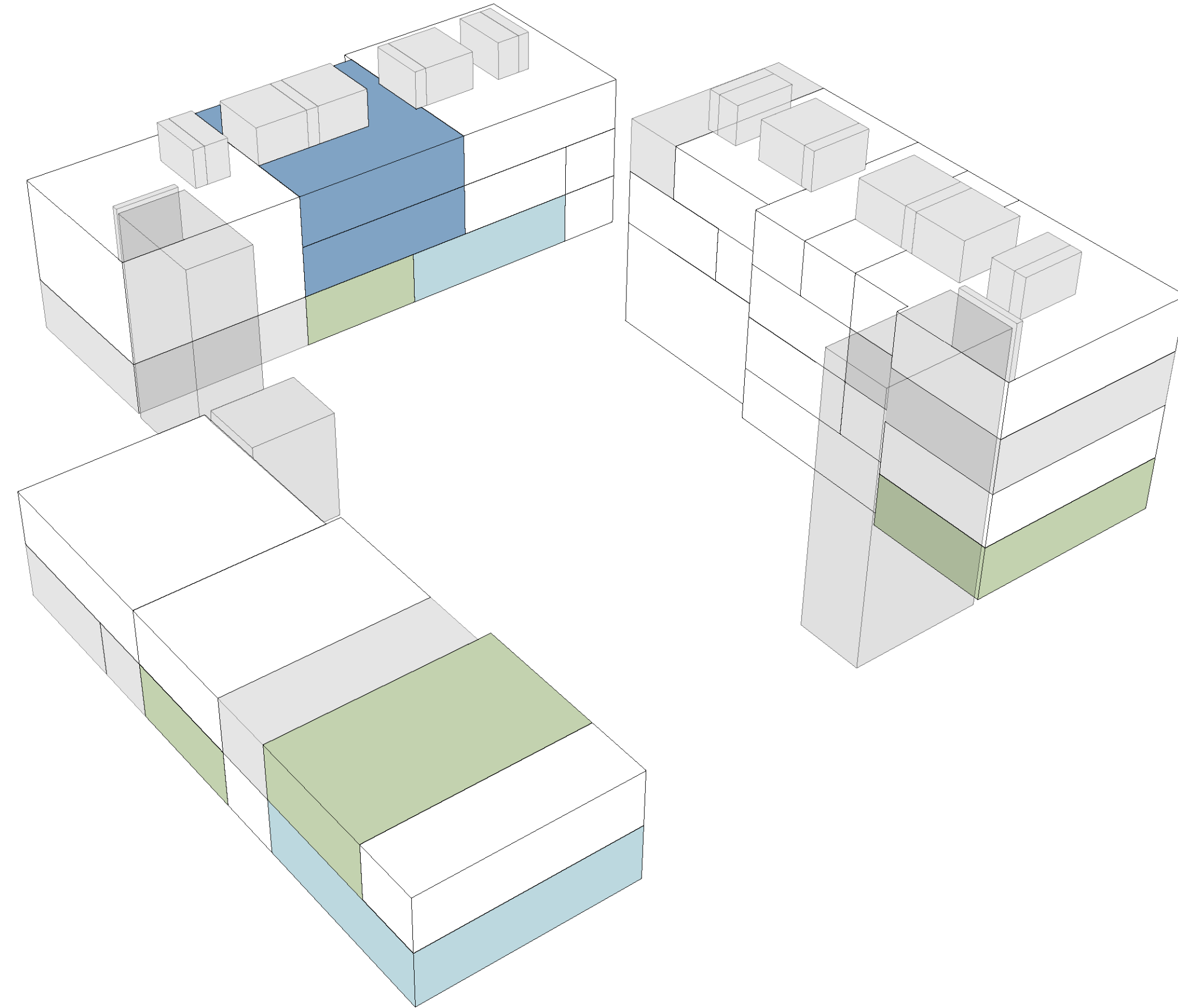
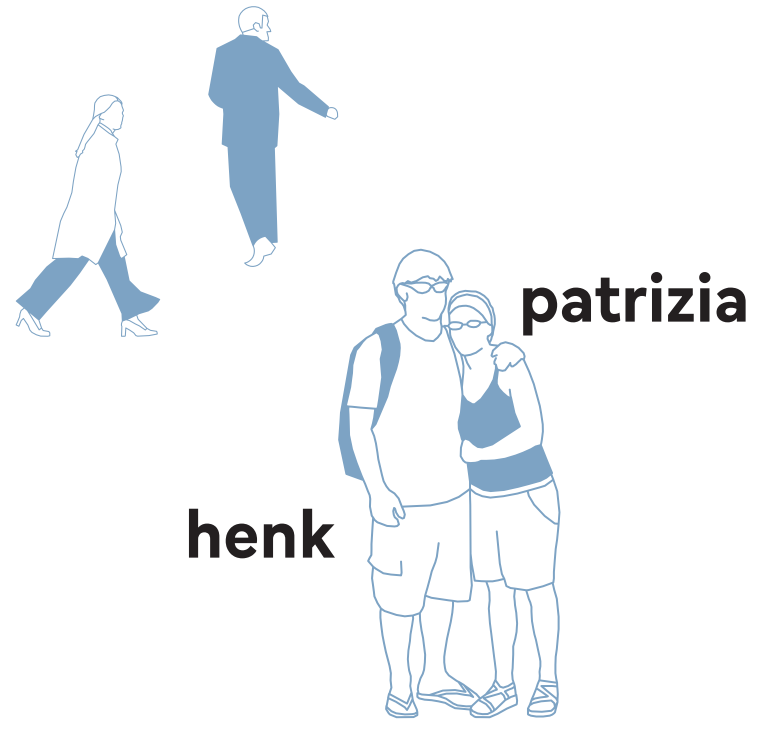
research



design

a home grown (old).

emma van barneveld.



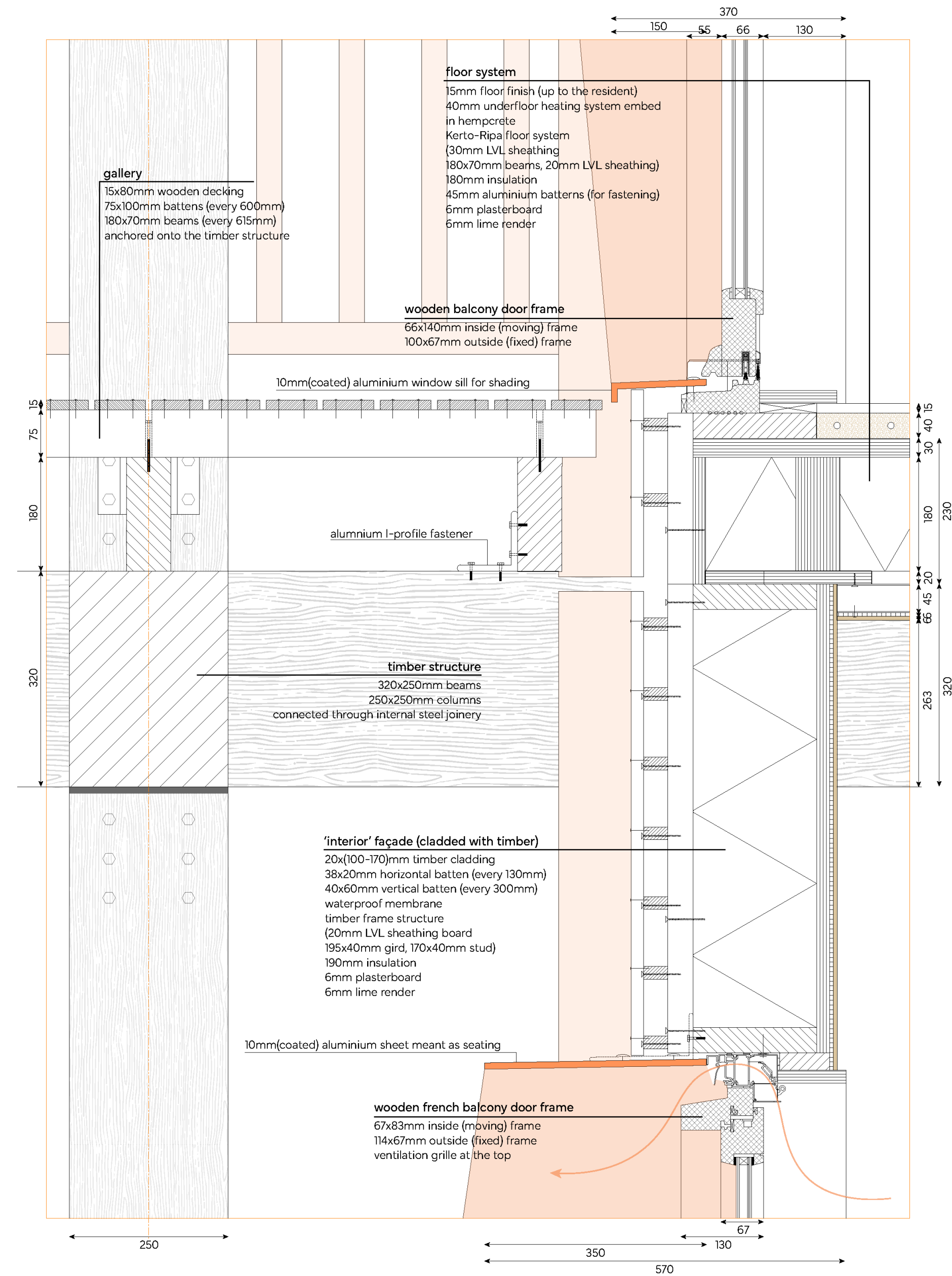
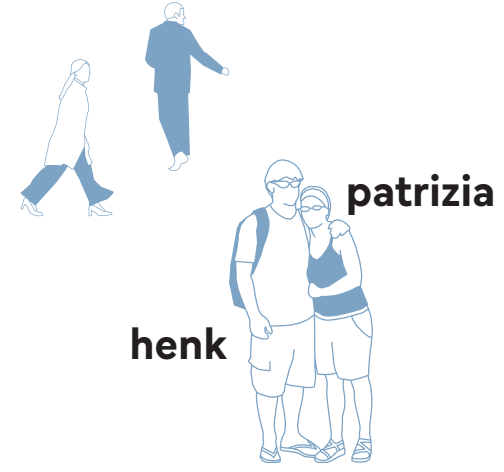
problem



research



design



problem

research

design

a home grown (old).

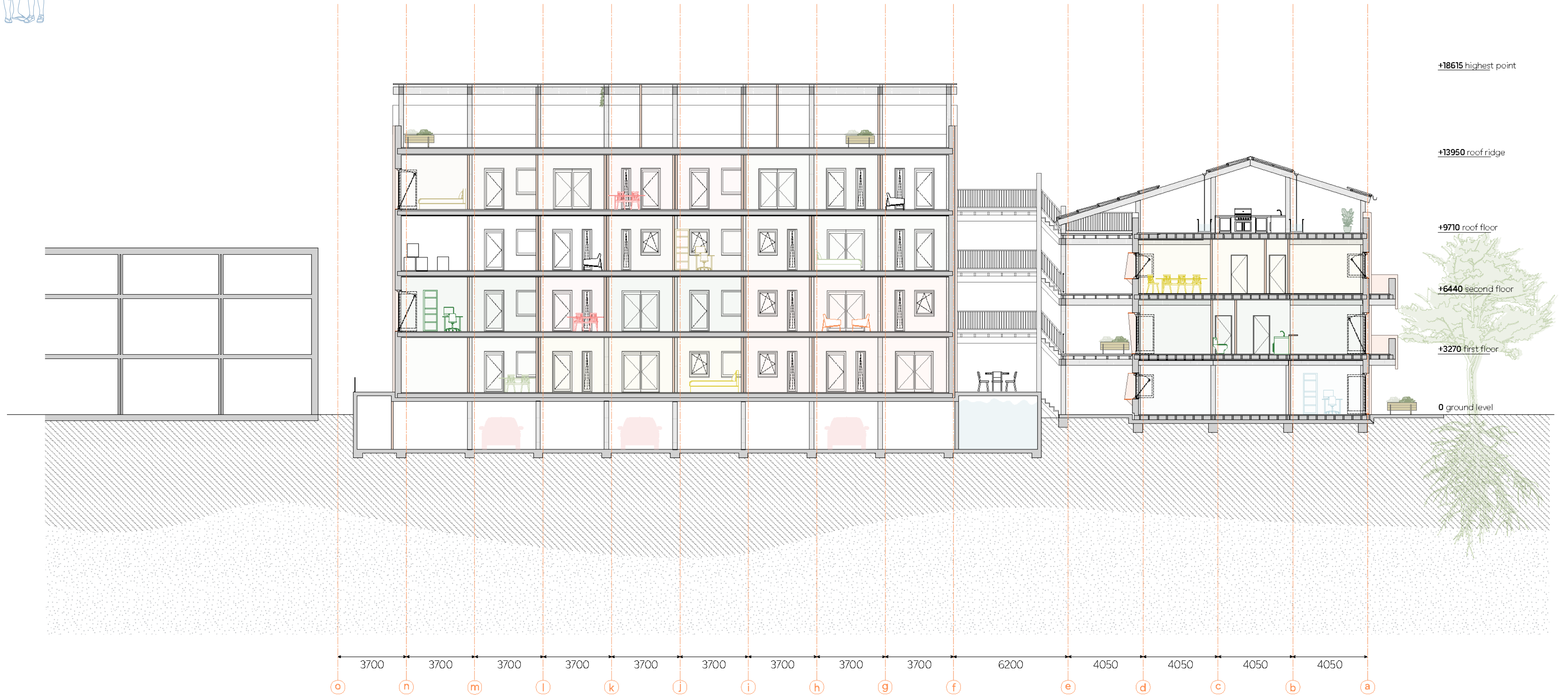
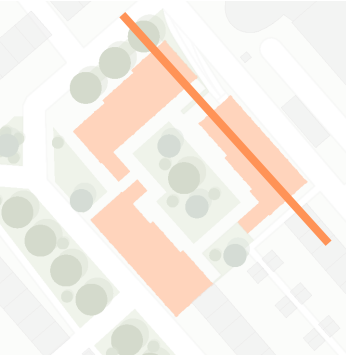


patrizia

henk



emma van barneveld.



problem

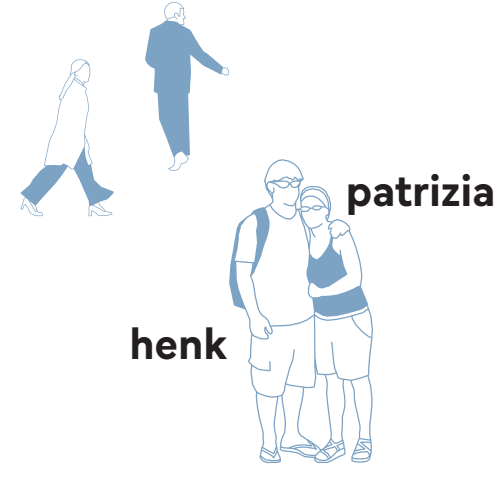


research

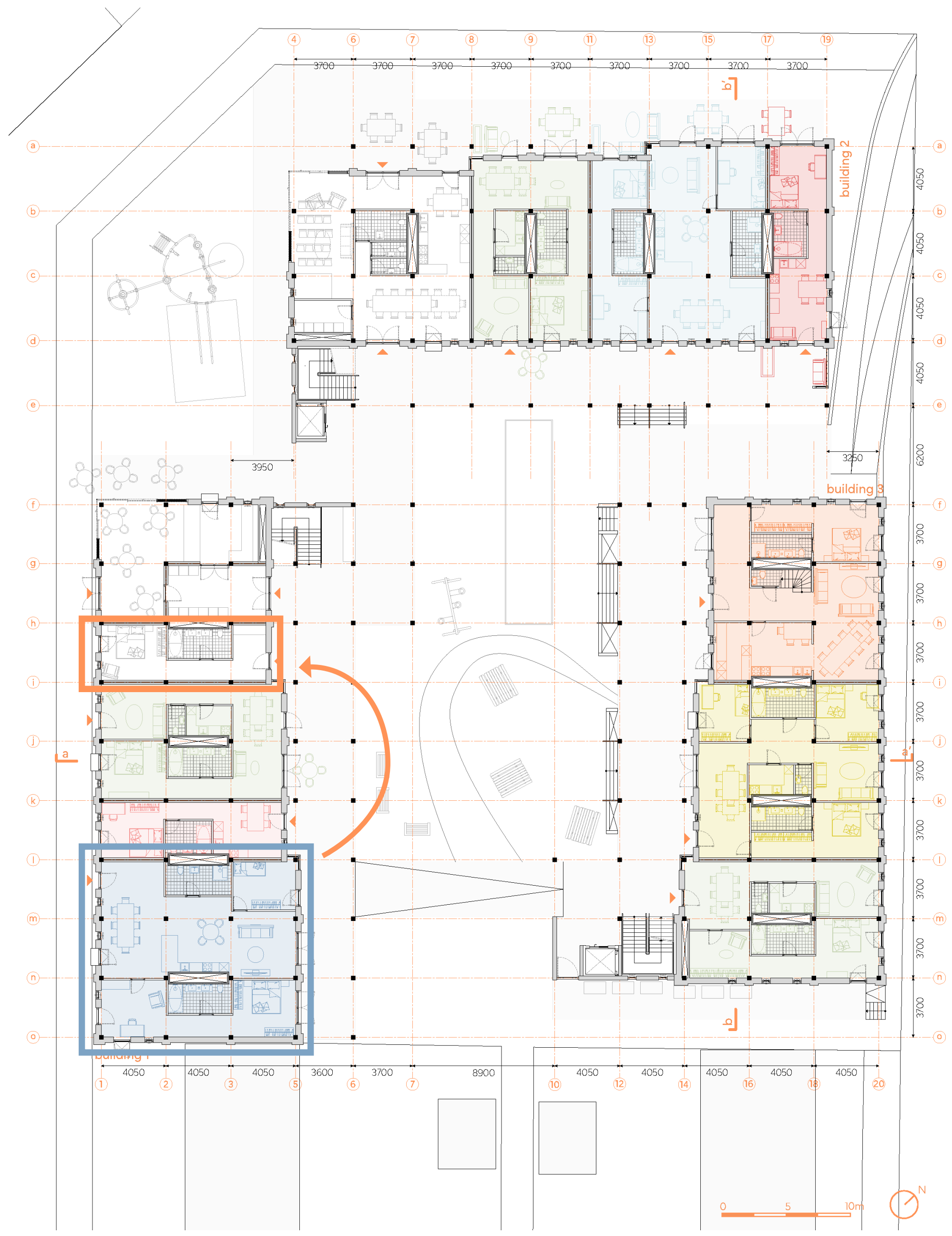
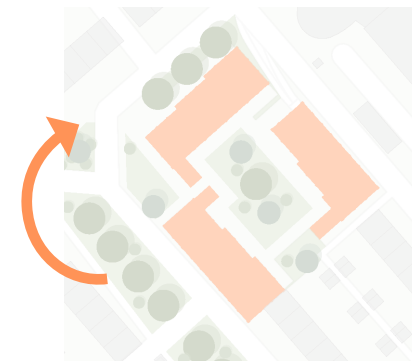


design

a home grown (old).

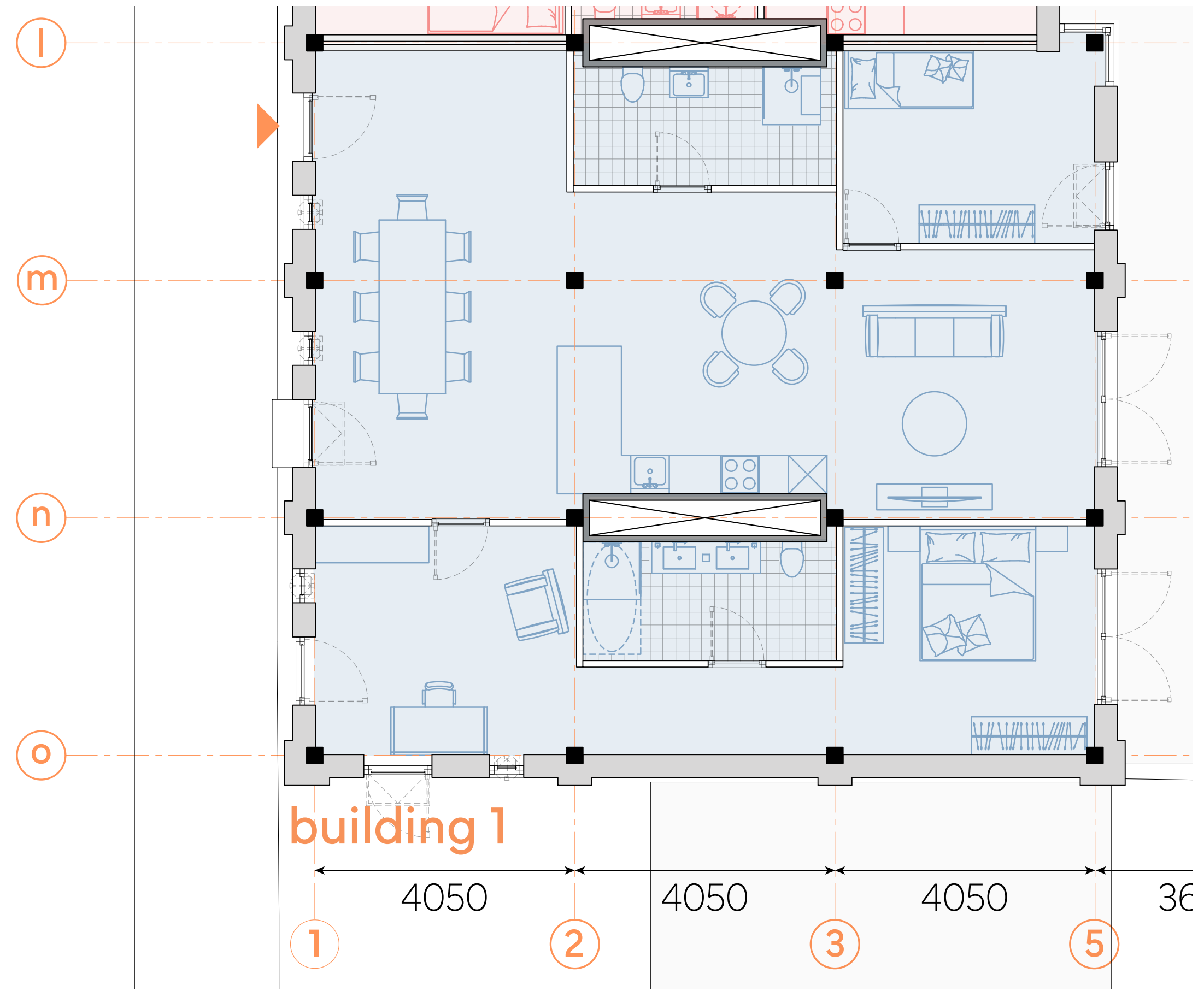


emma van barneveld.



problem

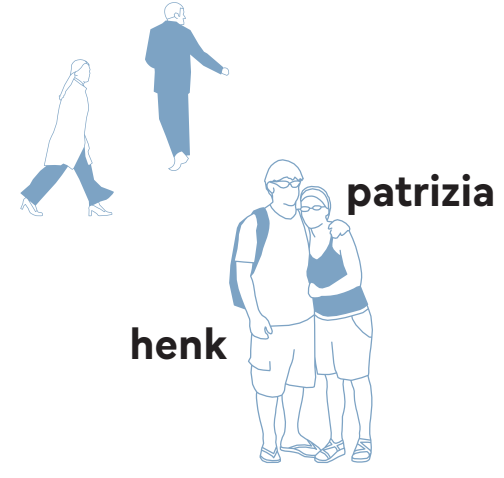
research



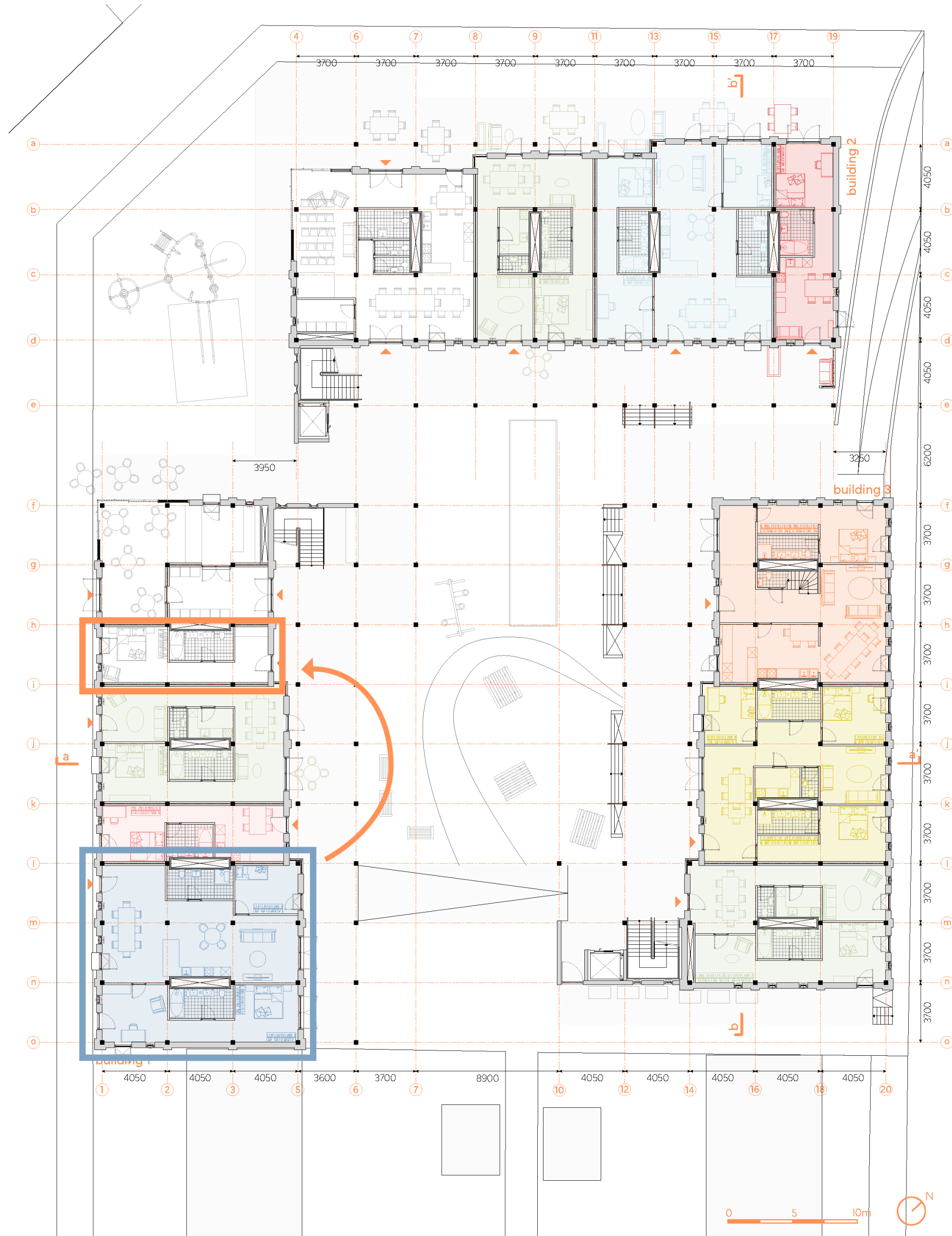
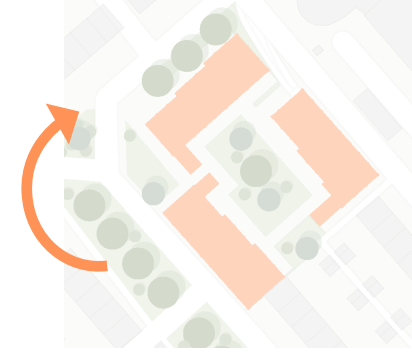
building 1

design

a home grown (old).

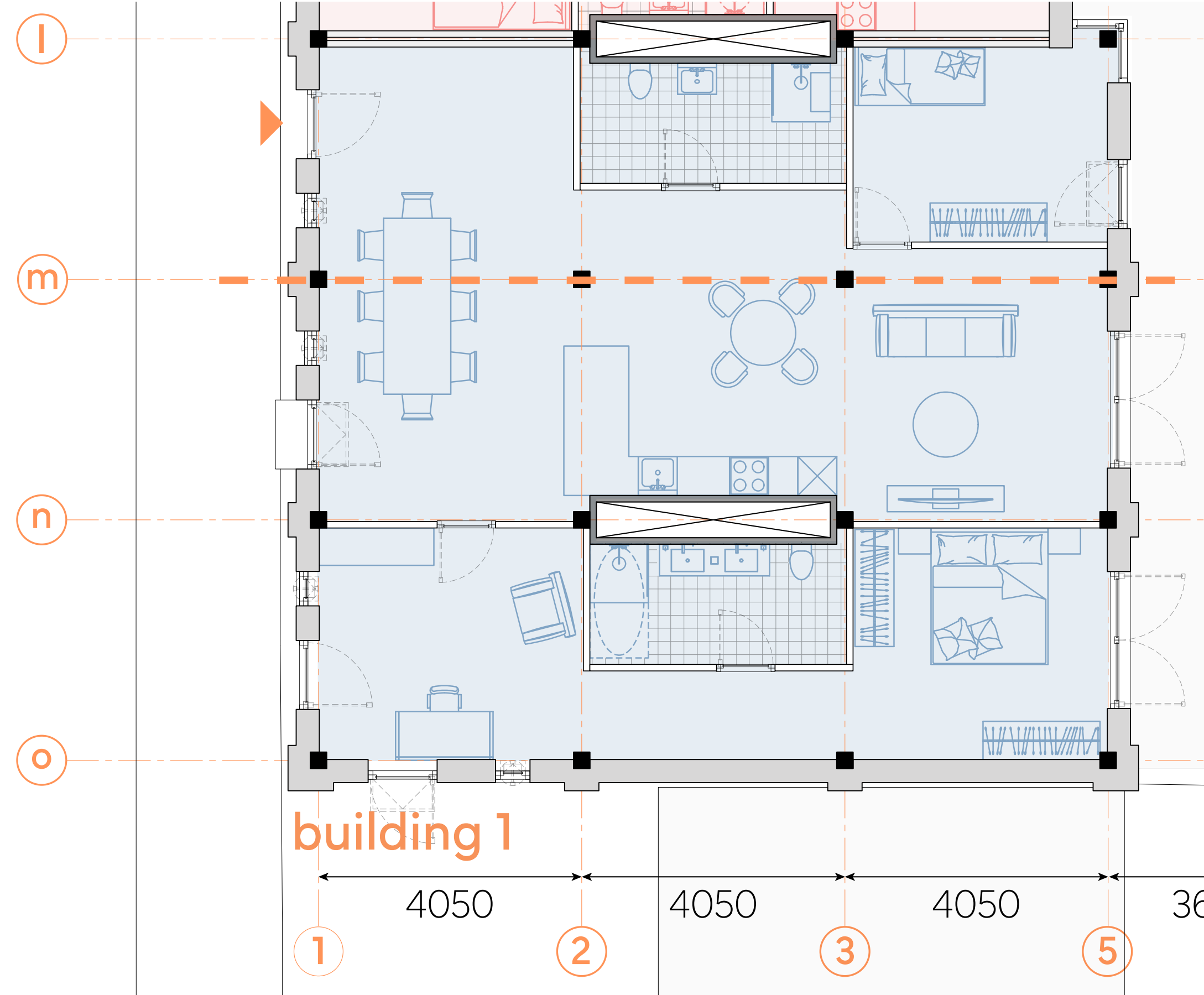


emma van barneveld.



problem

research

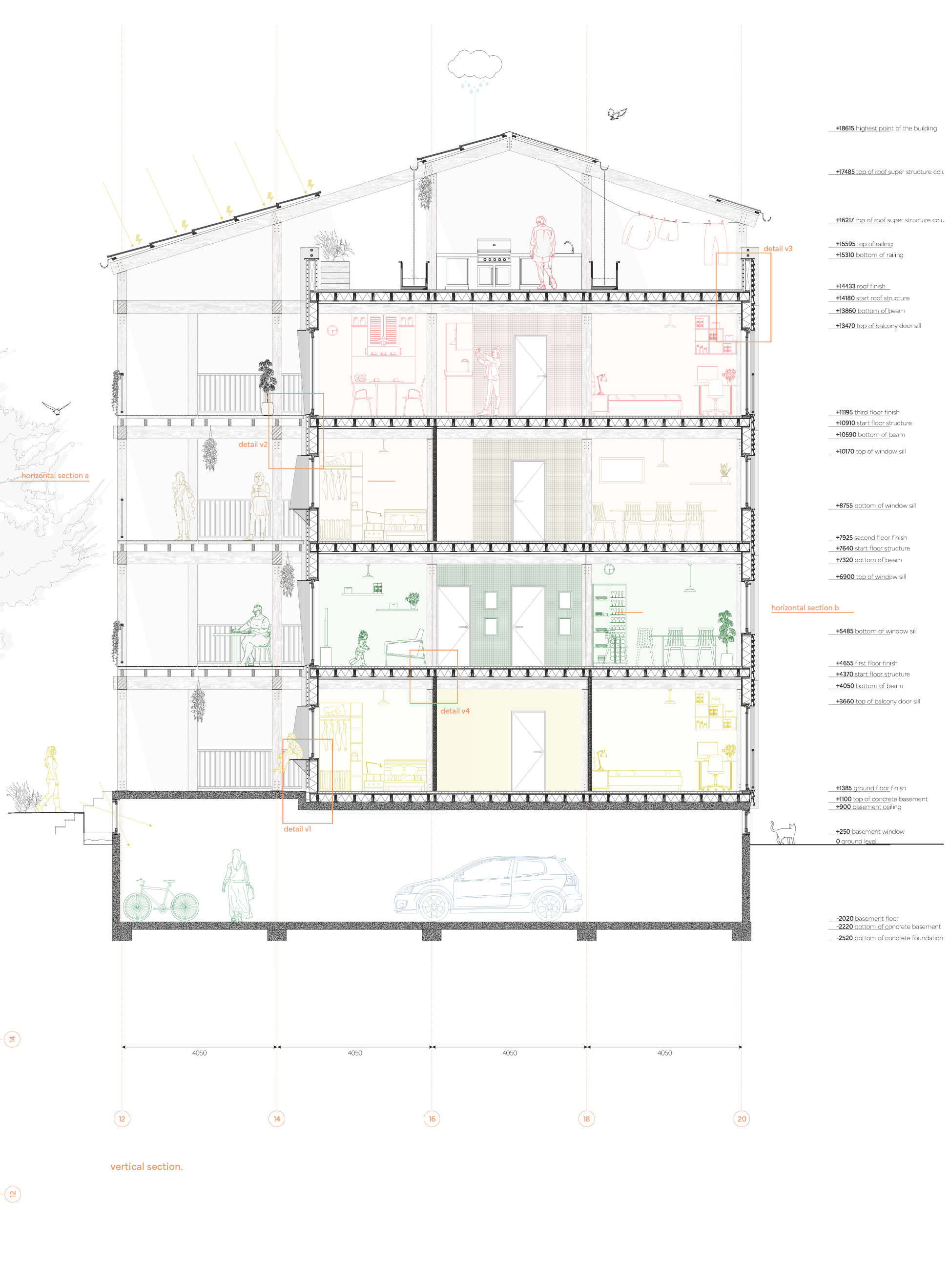
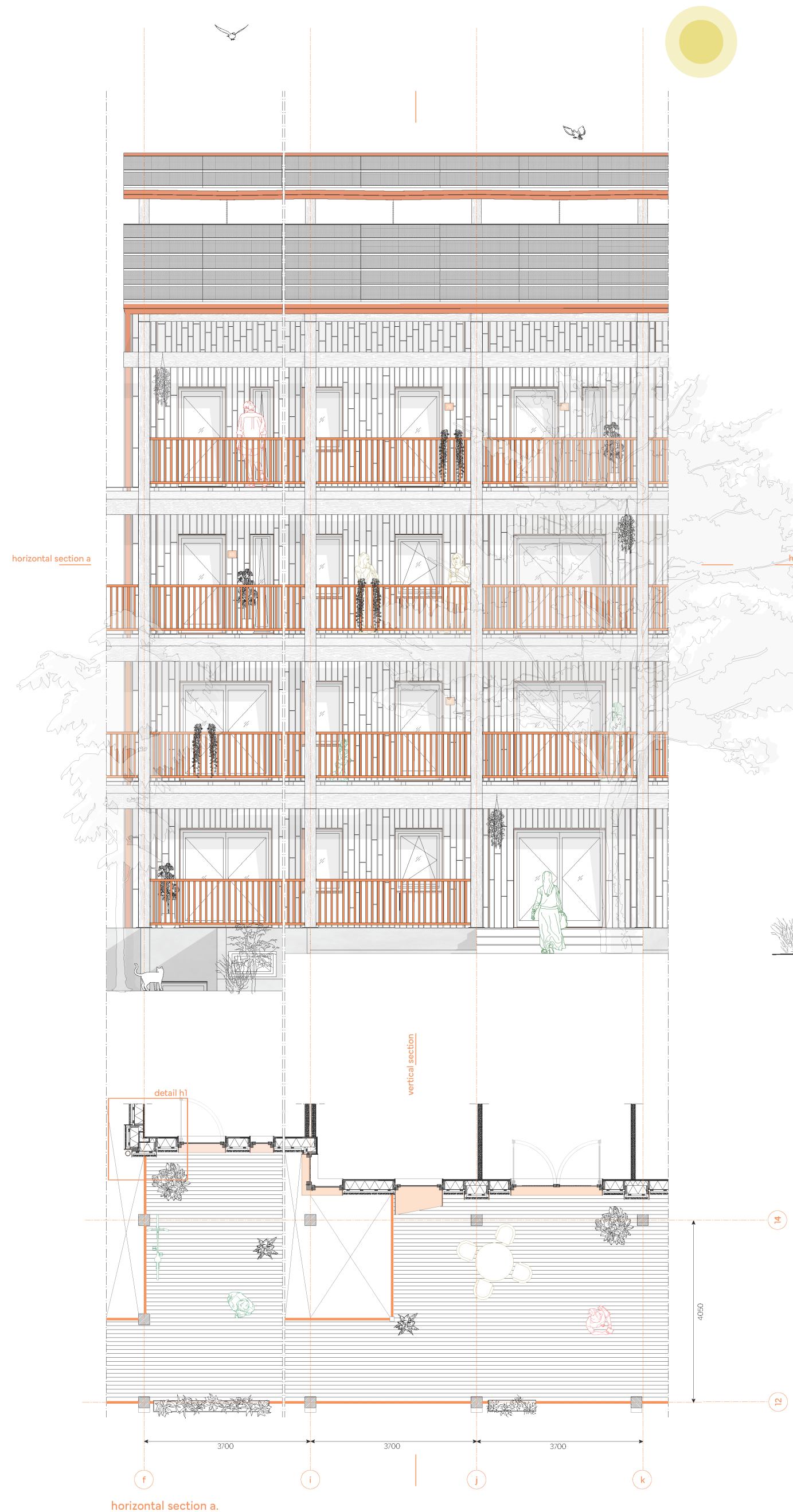
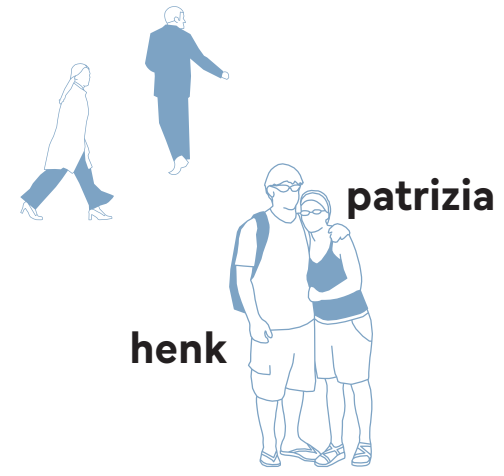


building 1

design

a home grown (old).

emma van barneveld.



- +18615 highest point of the building
- +17485 top of roof super structure col.
- +16217 top of roof super structure col.
- +15595 top of railing
- +15310 bottom of railing
- +14433 roof finish
- +14180 start roof structure
- +13860 bottom of beam
- +13470 top of balcony door sill
- +1185 third floor finish
- +10910 start floor structure
- +10590 bottom of beam
- +10170 top of window sill
- +8755 bottom of window sill
- +7925 second floor finish
- +7640 start floor structure
- +7320 bottom of beam
- +6900 top of window sill
- +5485 bottom of window sill
- +4655 first floor finish
- +4370 start floor structure
- +4050 bottom of beam
- +3660 top of balcony door sill
- +1985 ground floor finish
- +1100 top of concrete basement
- +900 basement ceiling
- +250 basement window
- 0 ground level
- 2020 basement floor
- 2220 bottom of concrete basement
- 2520 bottom of concrete foundation

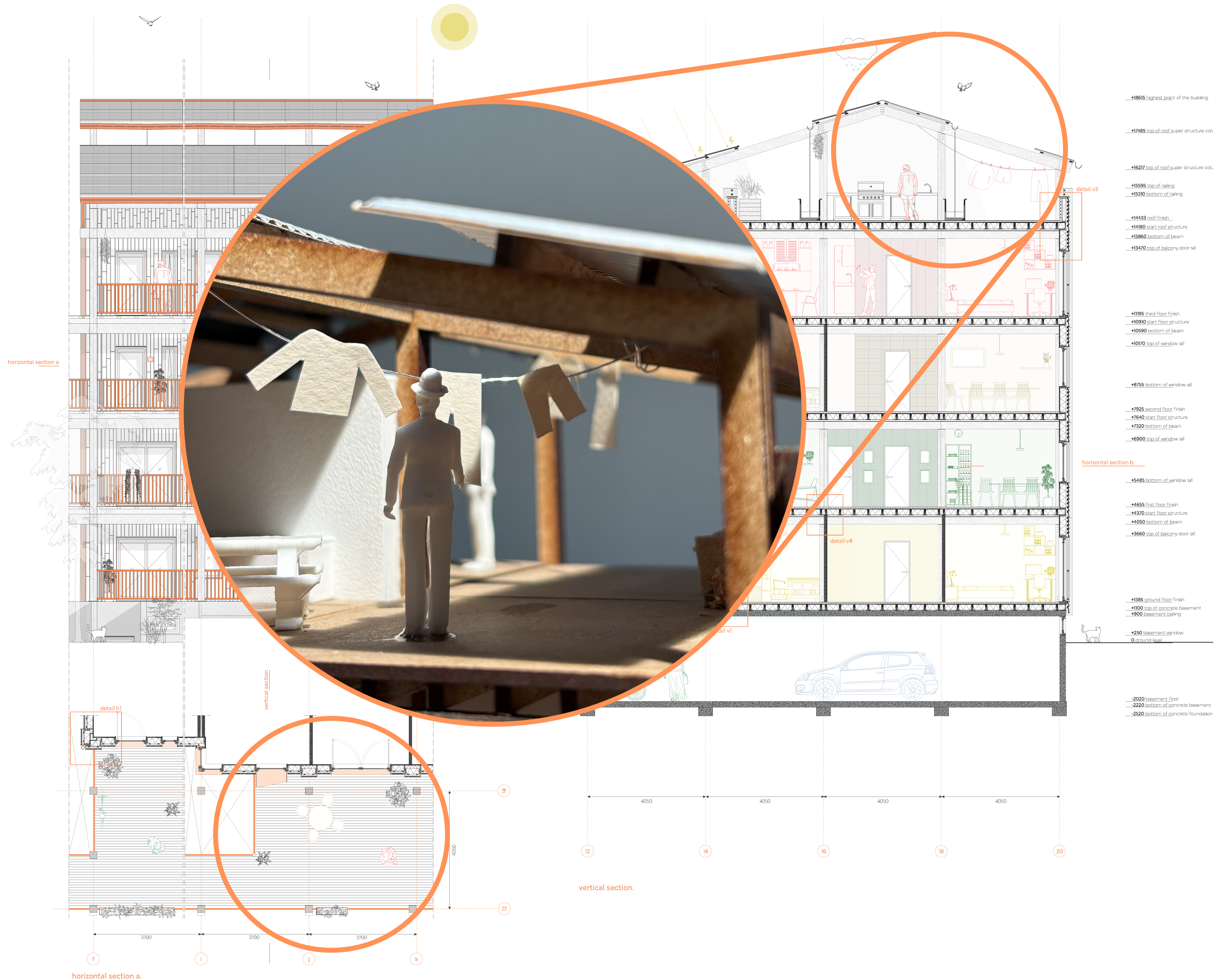
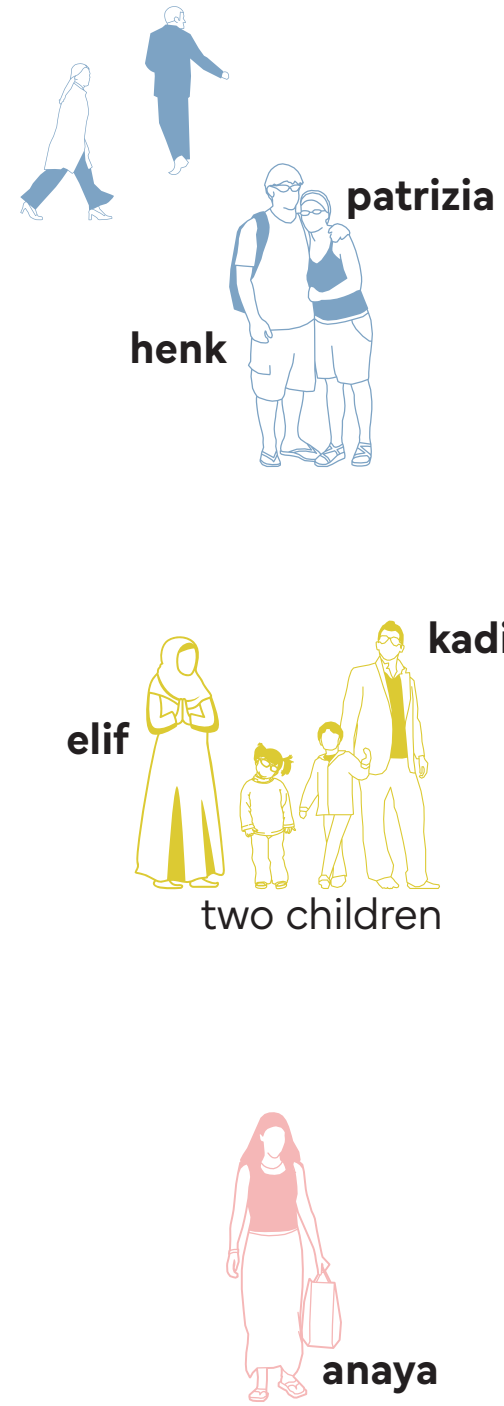
problem

research

design

a home grown (old).

emma van barneveld.



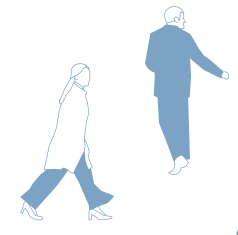
- +18615 highest point of the building
- +17485 top of roof super structure col.
- +16217 top of roof super structure col.
- +15595 top of railing
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- +1985 ground floor finish
- +1100 top of concrete basement
- +900 basement ceiling
- +250 basement window
- 0 ground level
- 2020 basement floor
- 2220 bottom of concrete basement
- 2520 bottom of concrete foundation

problem

research

design

a home grown (old).



patrizia

henk



kadir

elif

two children



anaya

emma van barneveld.



problem



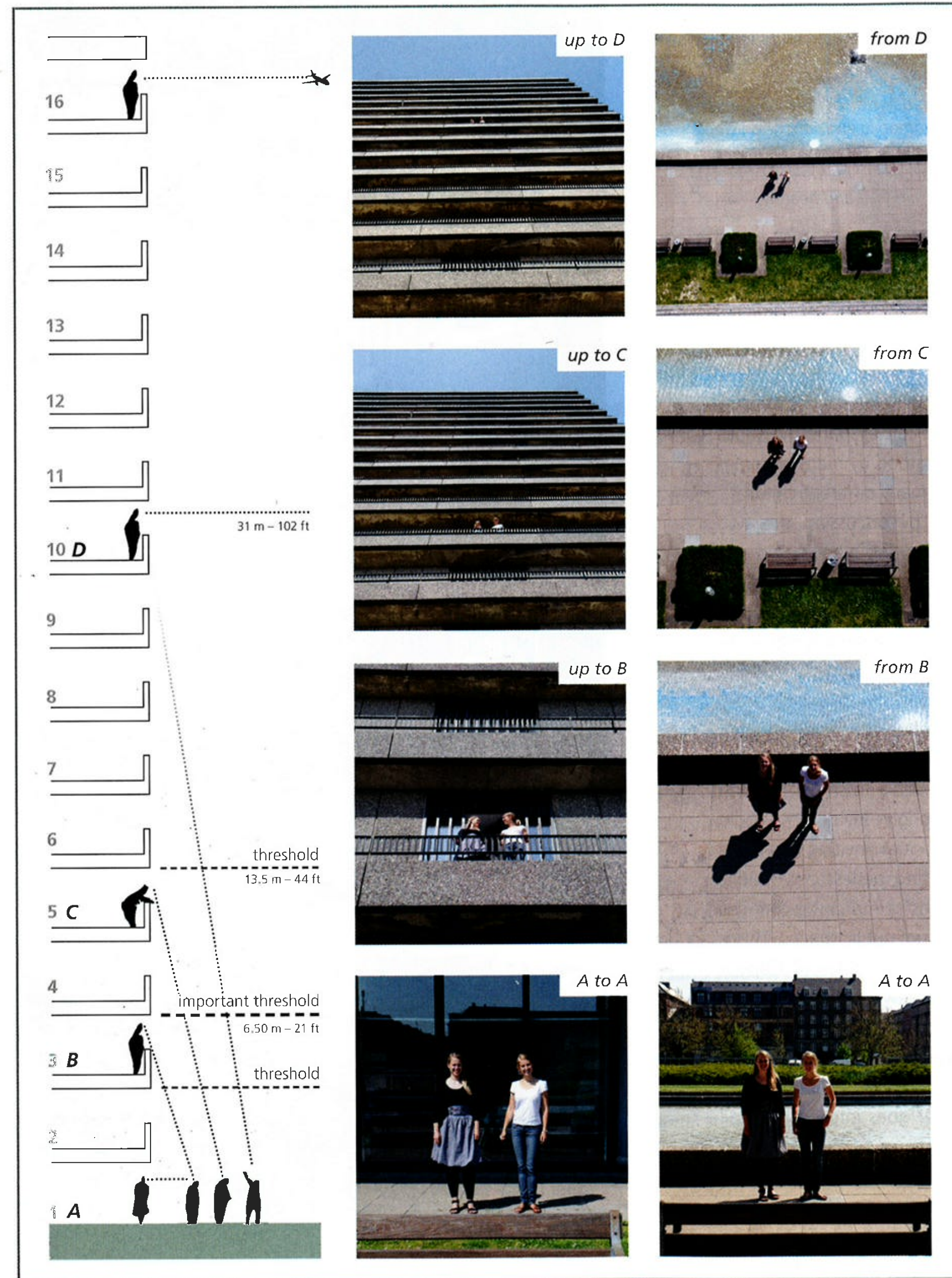
research



design



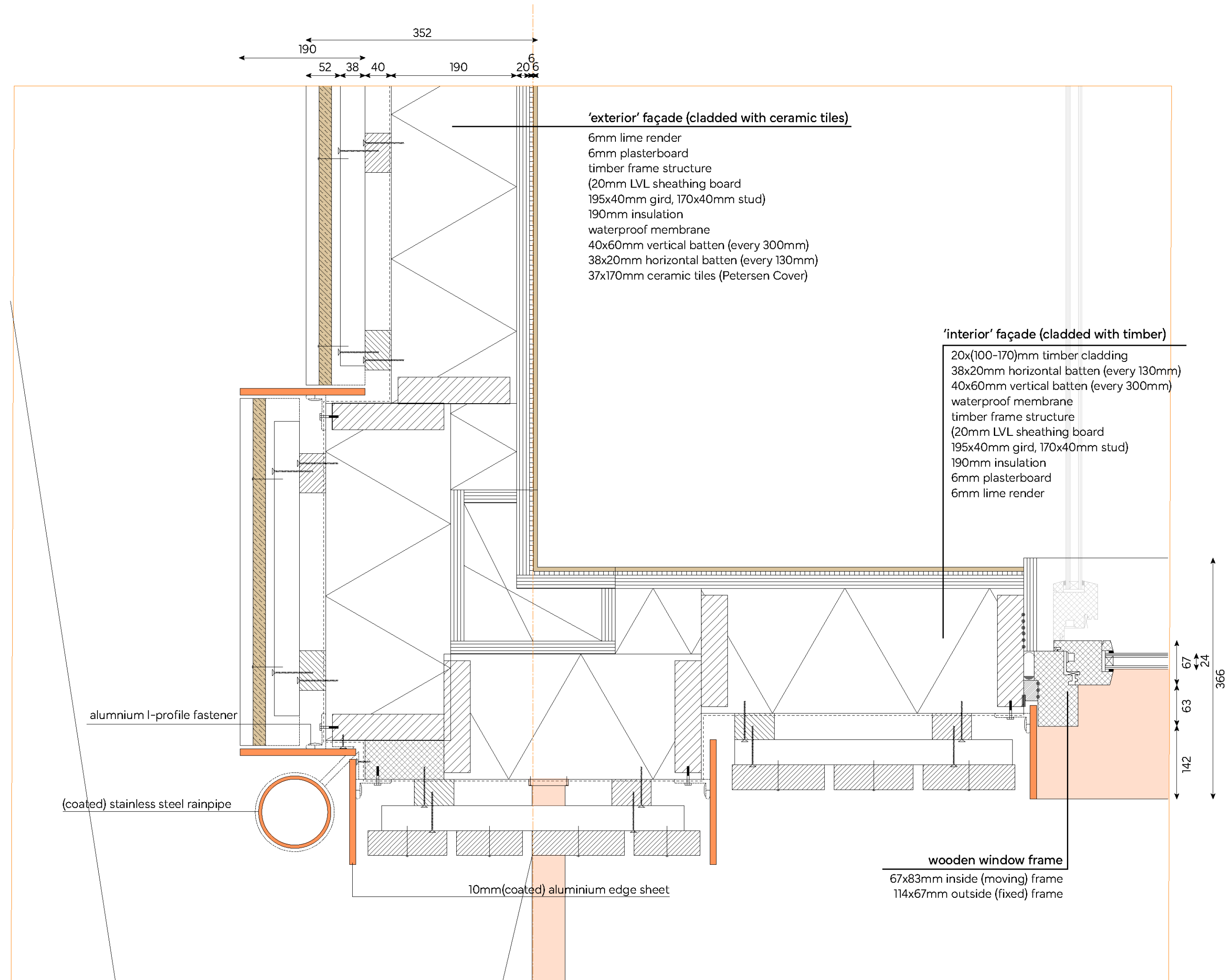
thank you!



problem

research

design



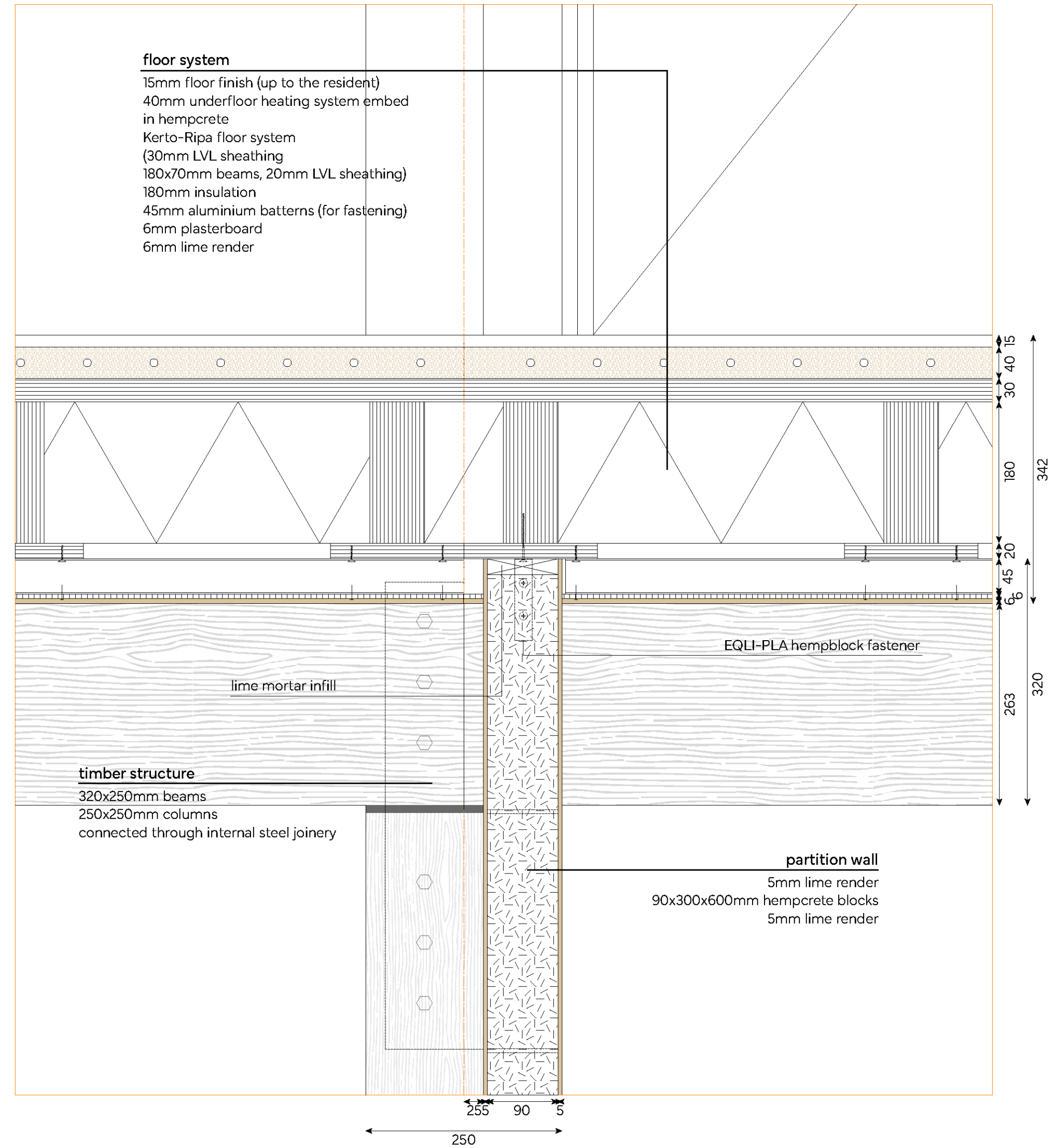
problem



research



design



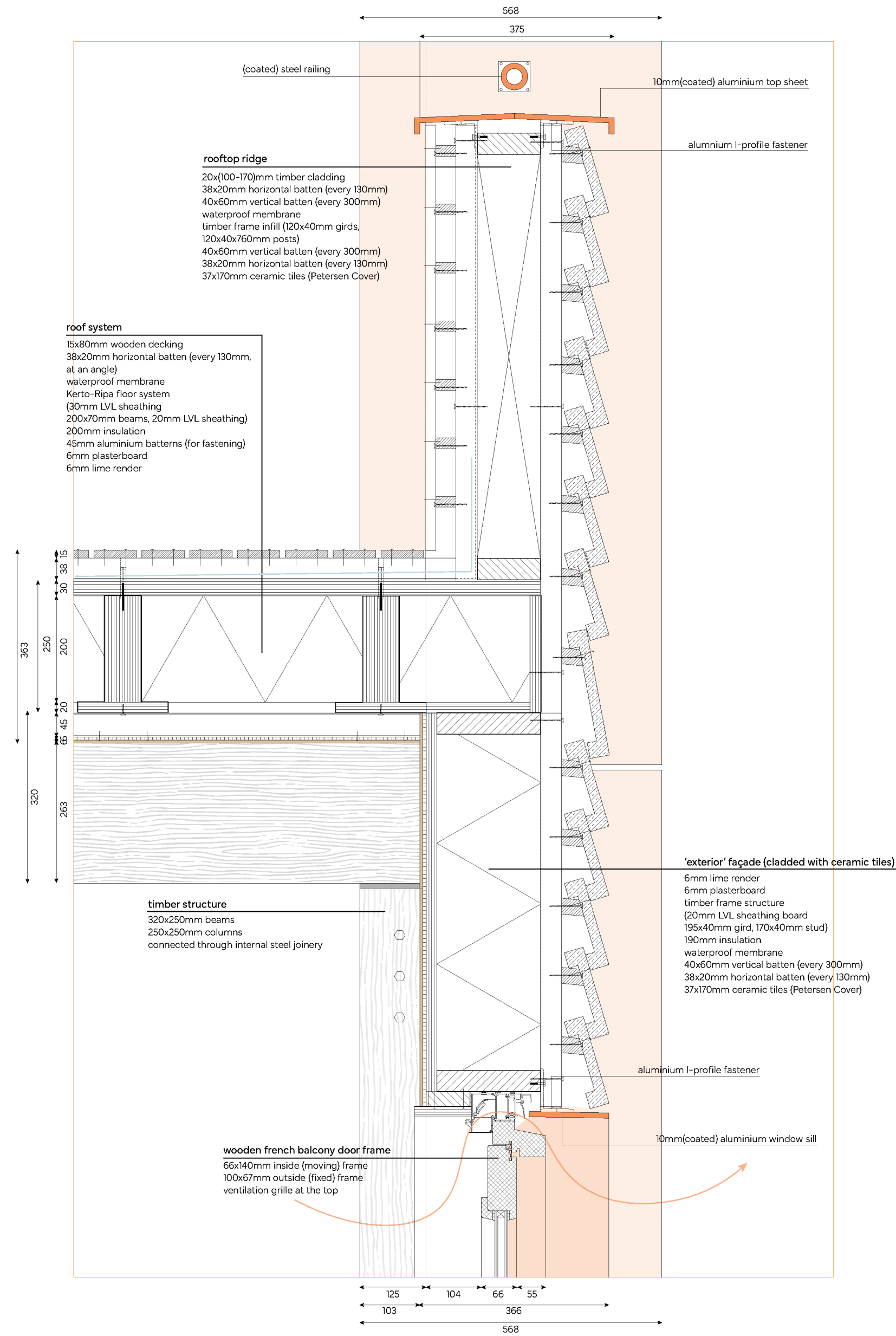
problem



research



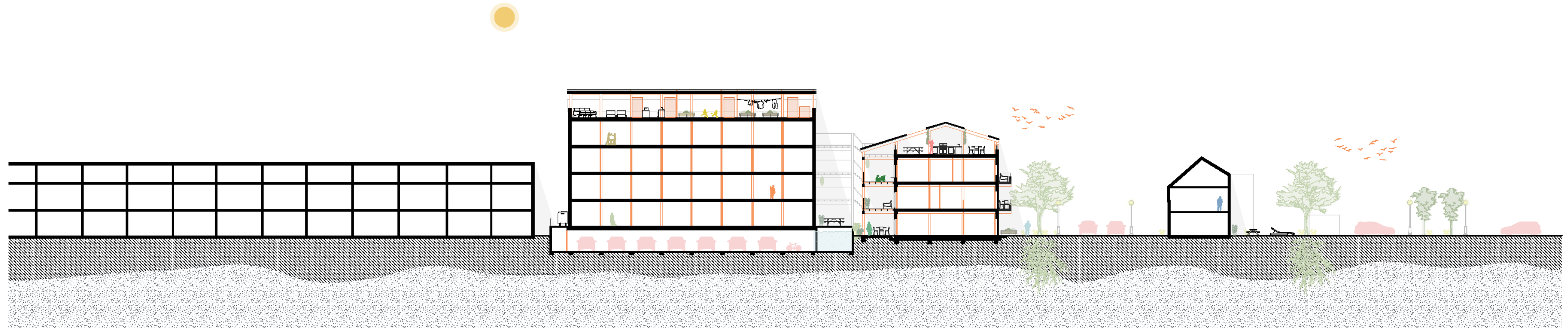
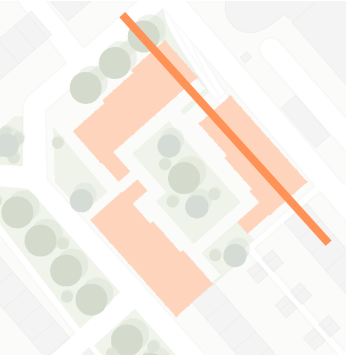
design



problem

research

design



problem



research



design



problem



research



design