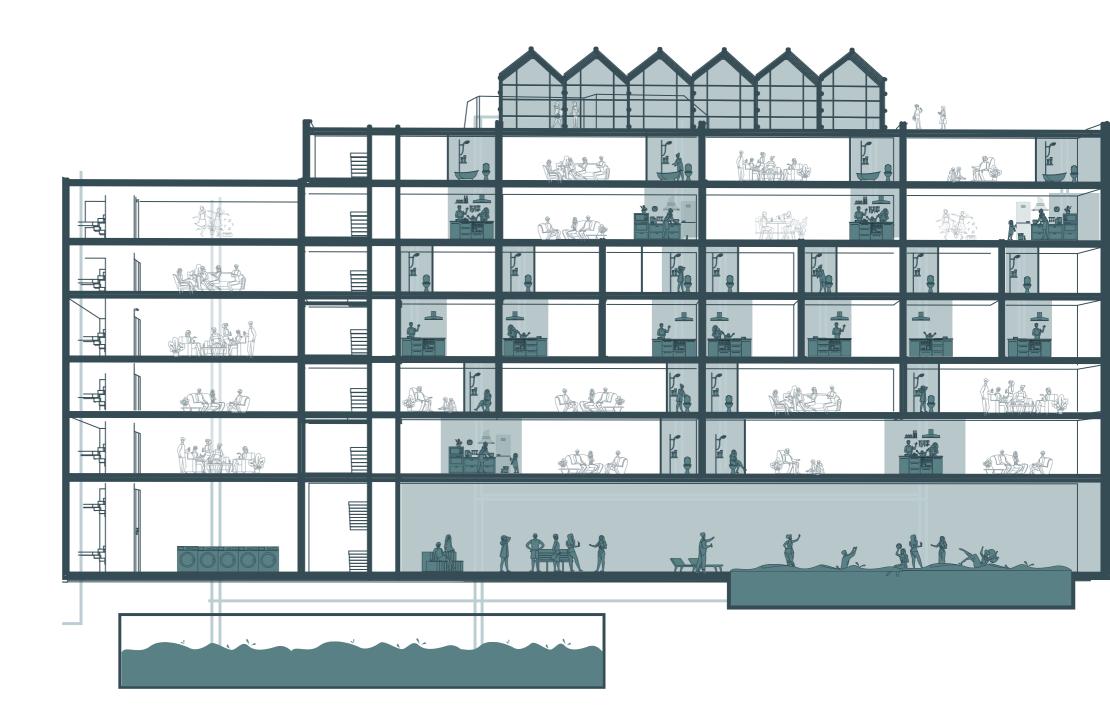
BUILDING A COMMUNITY AMONGST SOLO DWELLERS THROUGH WATER INFRASTRUCTURE

|AR3AD100 - ADVANCED HOUSING STUDIO|

DRAWING SET (A3 FORMAT)



"Designing a residential building that fosters community building amongst solo dwellers to combat loneliness.

Generating a pleasant living environment in which water infrastructure becomes a key component in community building and sustainable water resource management. Therefore enhancing the possibility to reduce solo dwellers' water footprint "

RESEARCH QUESTION

How could community building amongst solo dwellers be enhanced through water infrastructure?

DESIGN QUESTION

How can bathing infrastructure and the social spaces of bathing influence a housing complex (located above it) and its residents?

A VARIETY OF HOUSING TYPOLOGY

for the heterogenous group

INCORPORATE COMMUNAL SPACES

to enhance social interaction

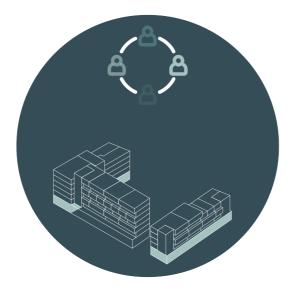
USE INNOVATIVE WATER TREAT-MENT SYSTEMS

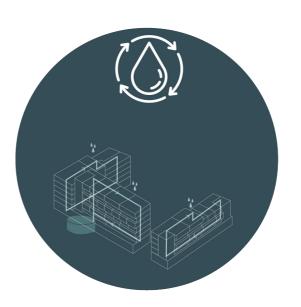
/sustainable water resource managemnet)

EXPLOIT COMMUNAL BATHING + BATHHOUSE

as a means to connect solo dwellers and reduce their water footprint



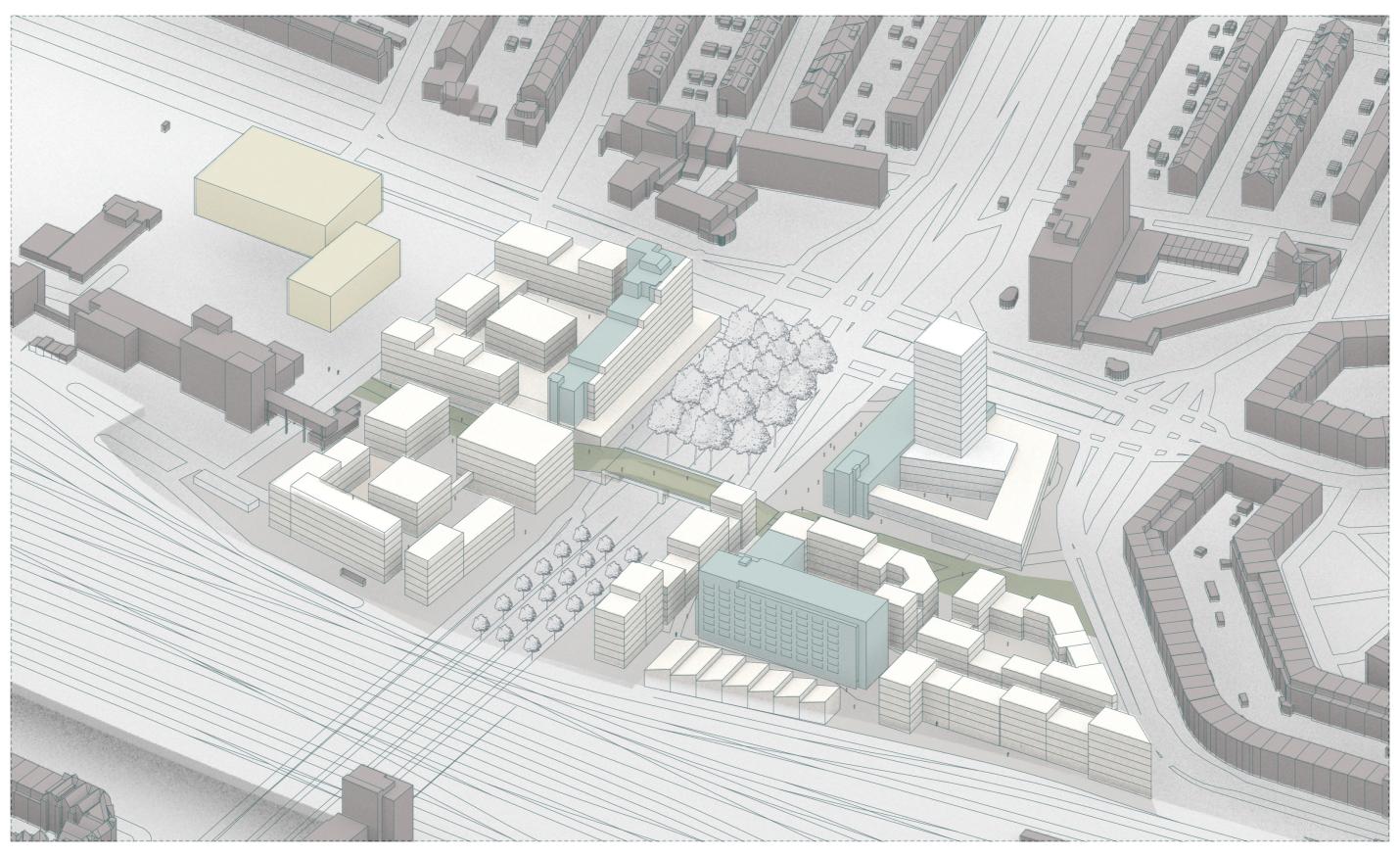




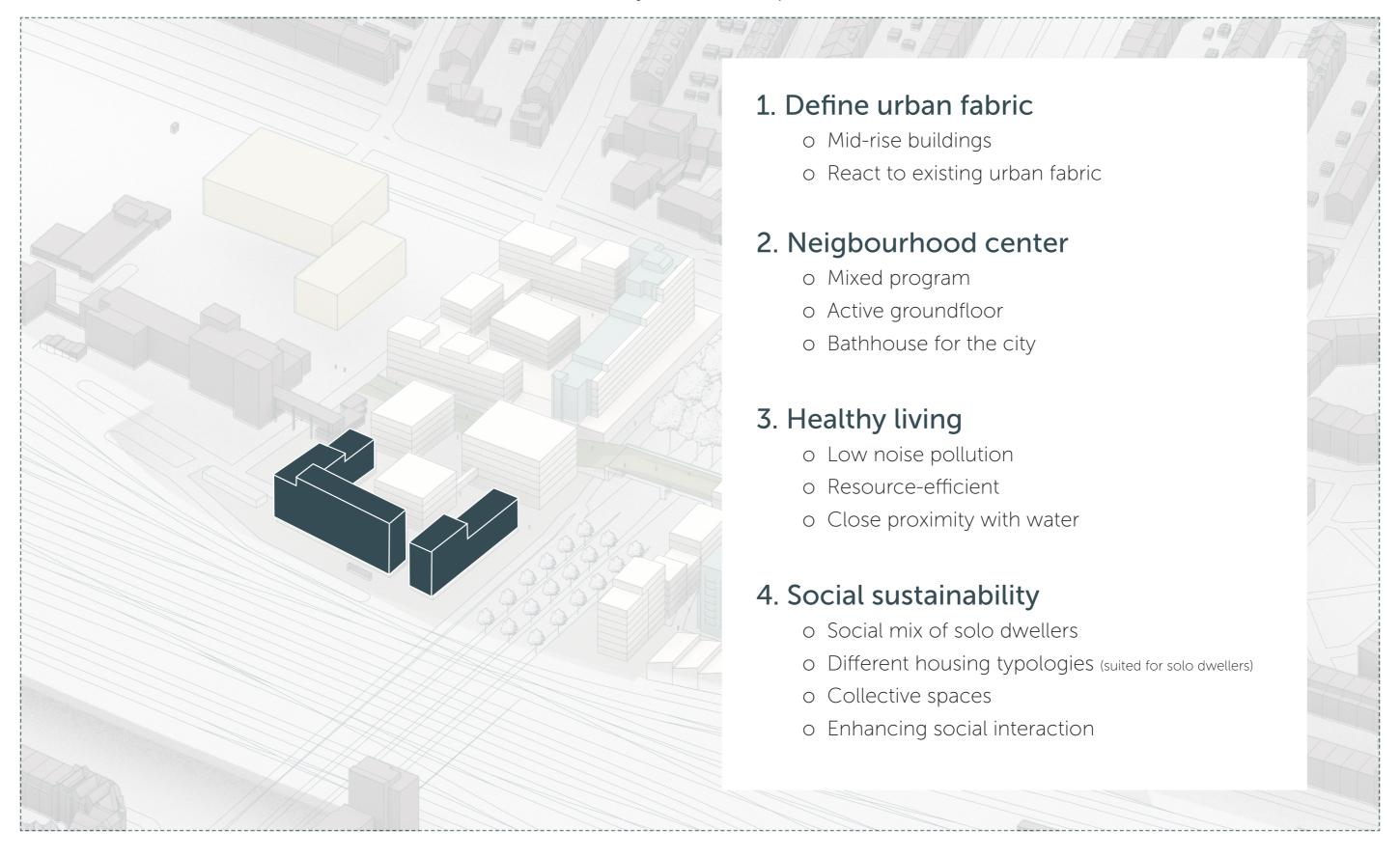


BIND BY WATER

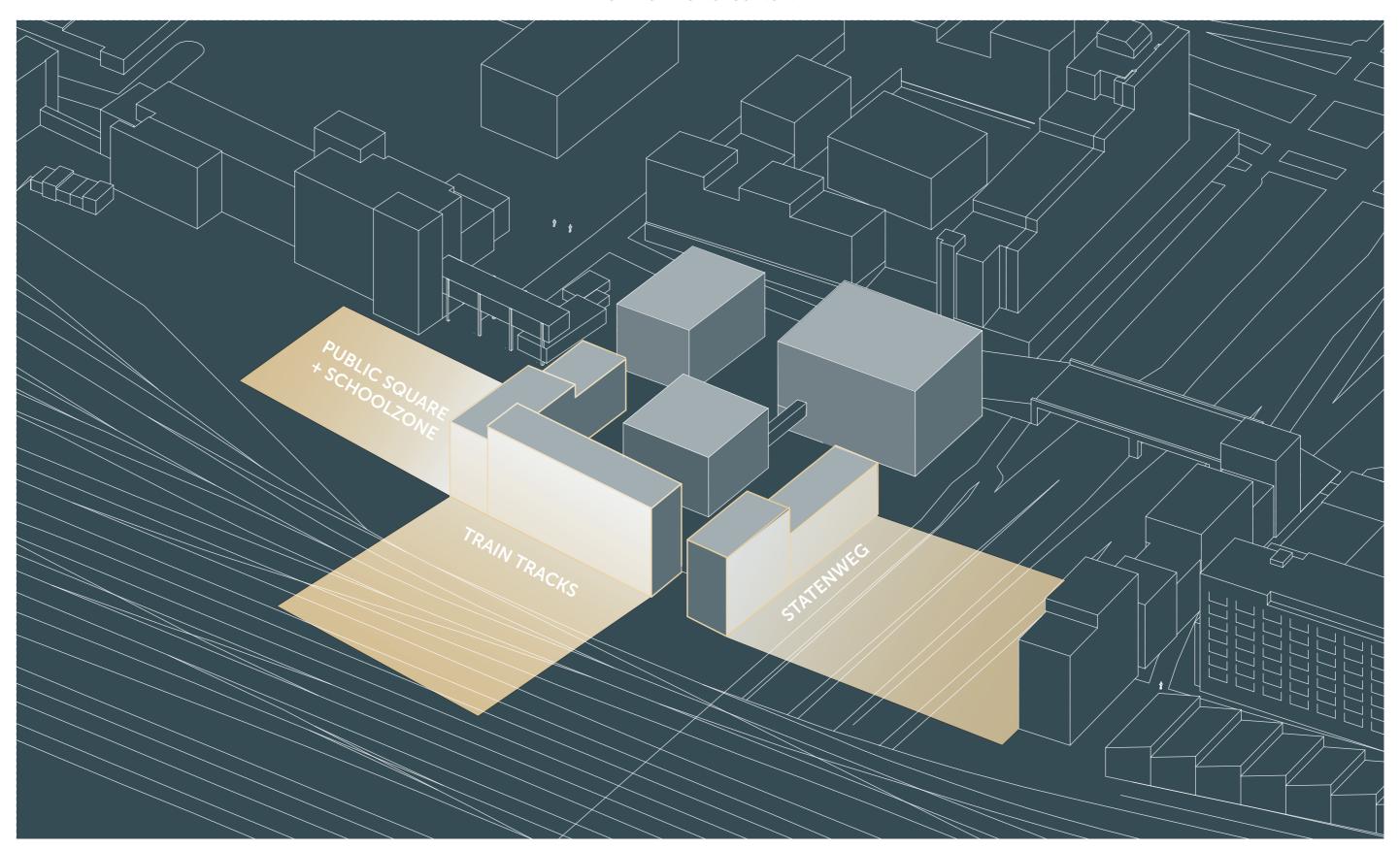
collective urban masterplan



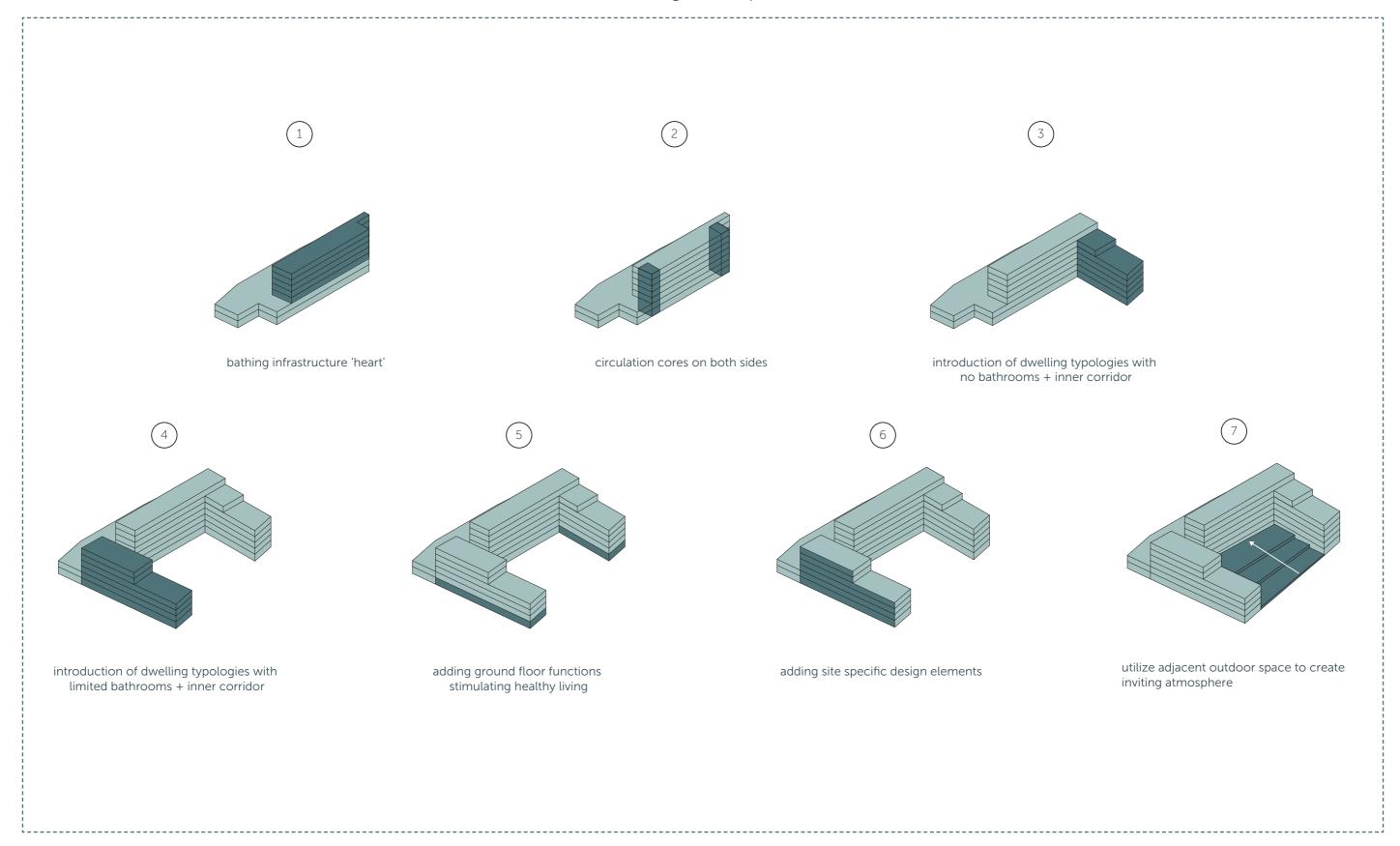
bind by water in masterplan



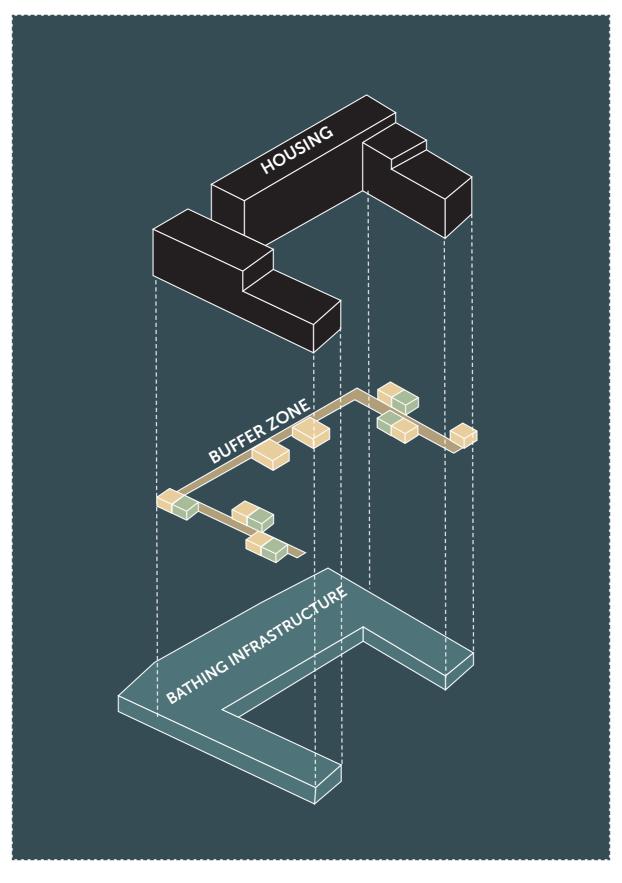
environmental context

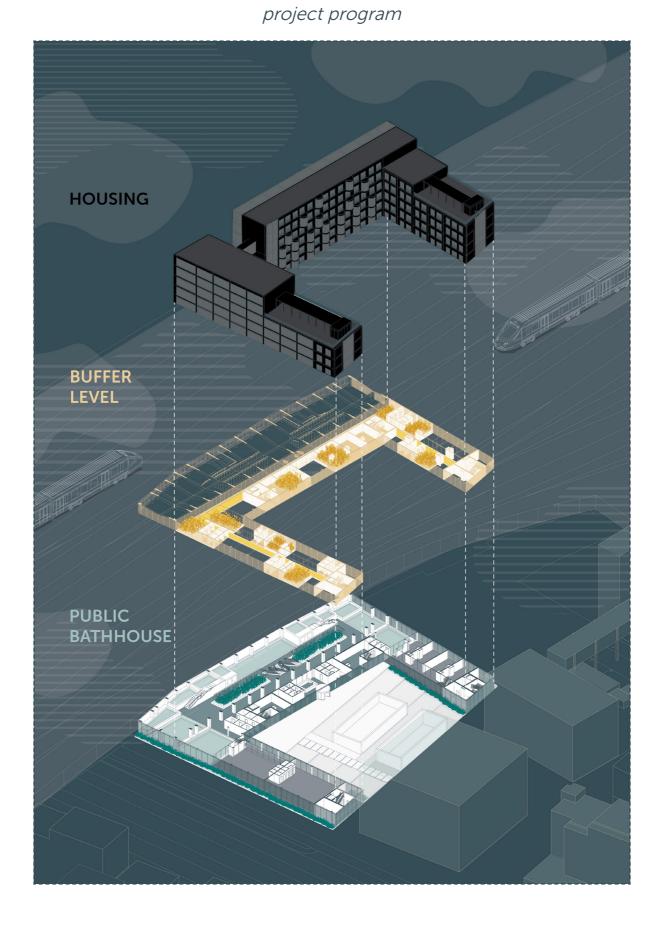


design concept

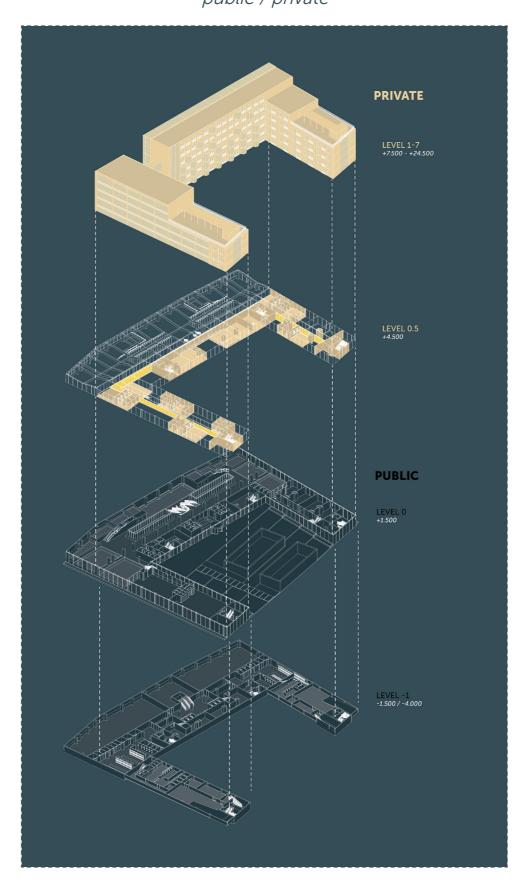


project program

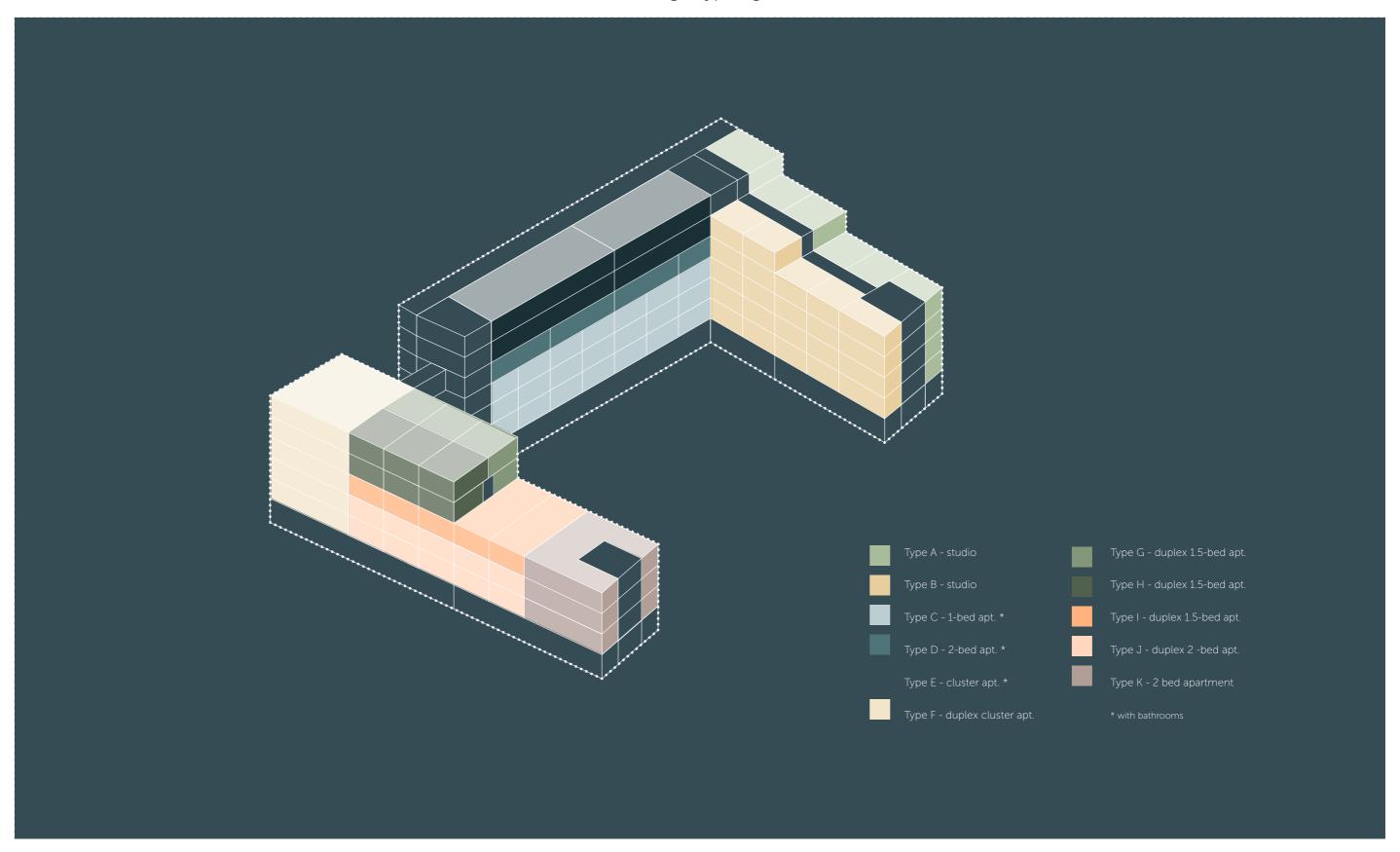




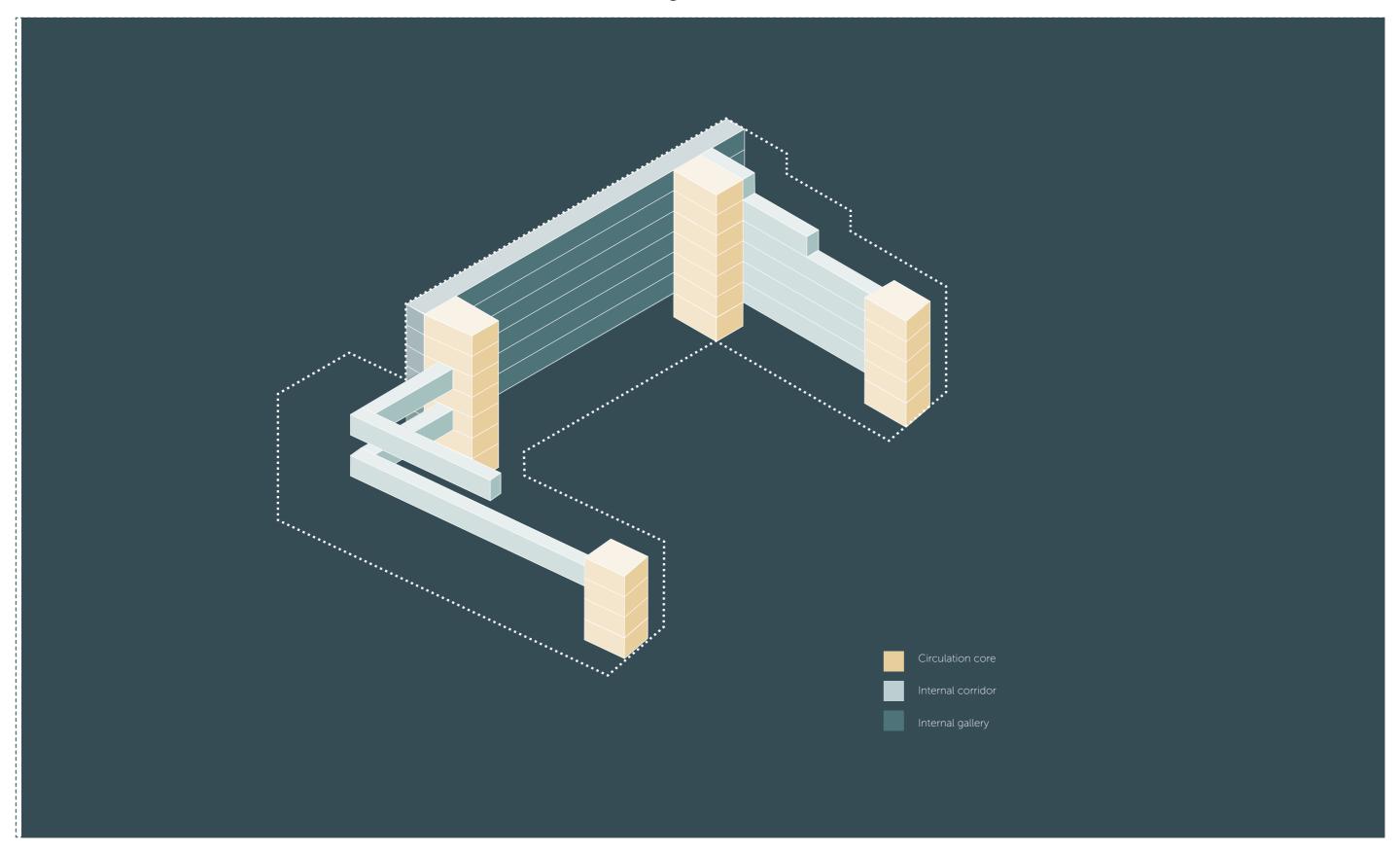
BIND BY WATER public / private



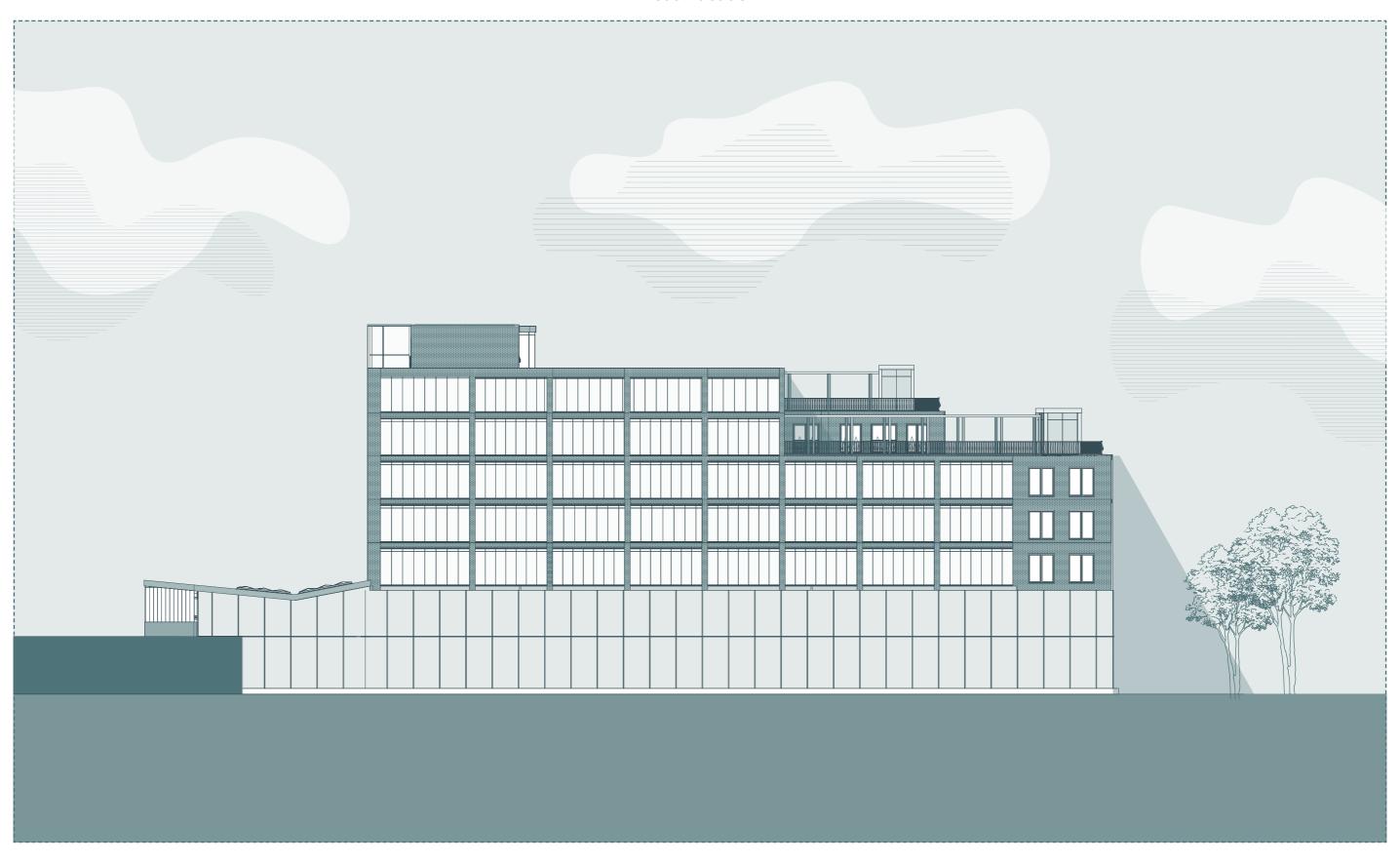
housing - typologies



housing - circulation



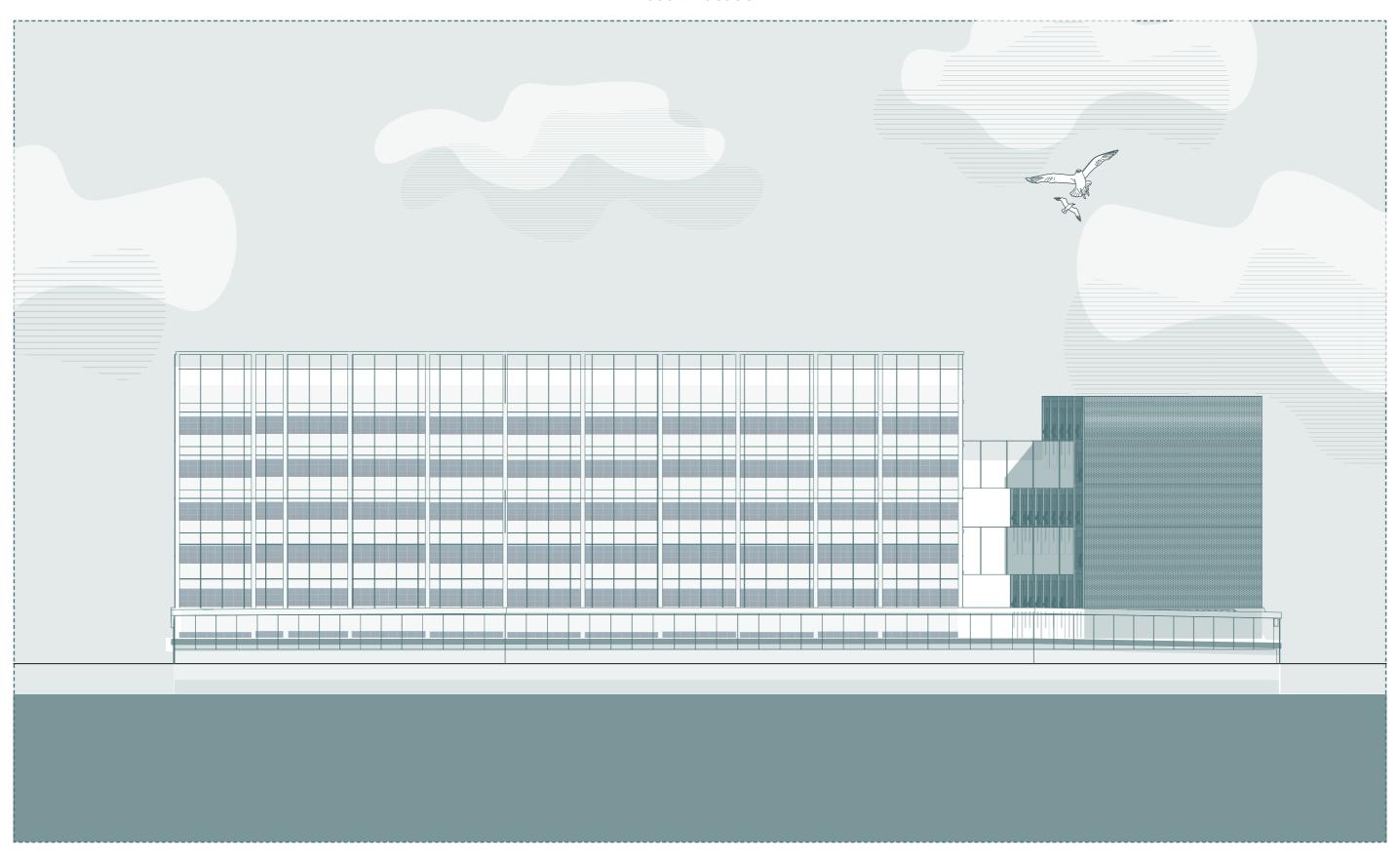
east facade



west facade



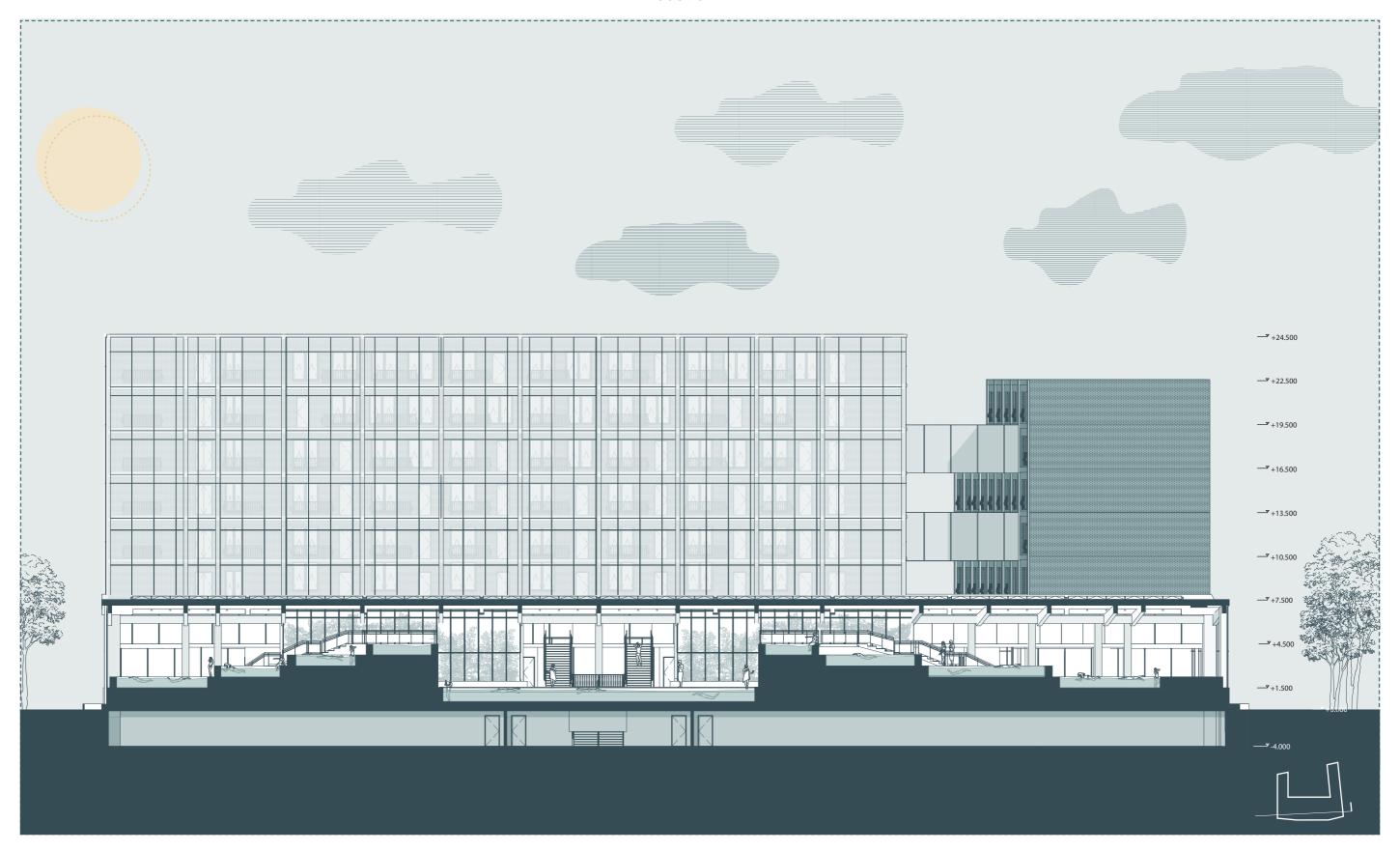
south facade



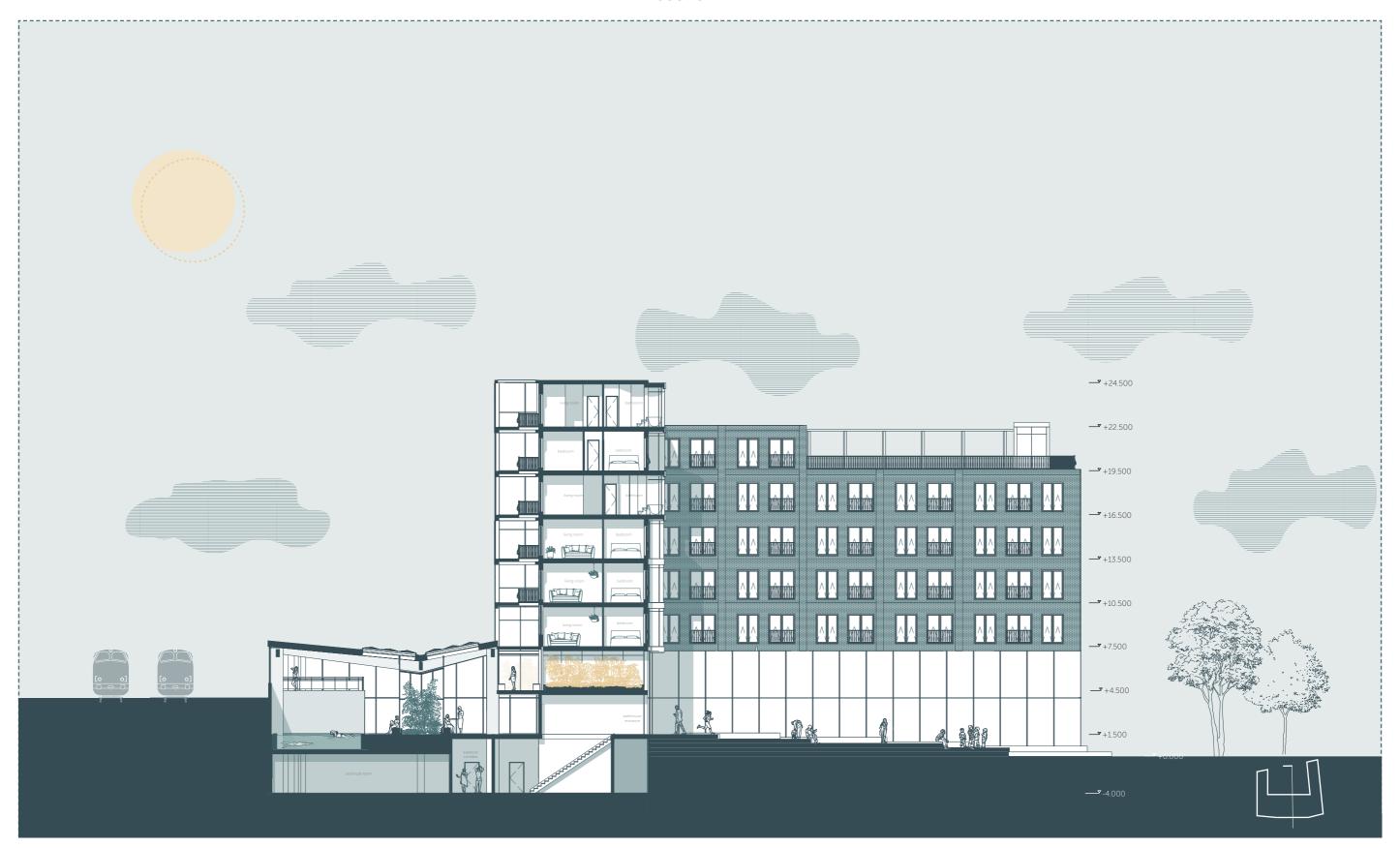
north facade



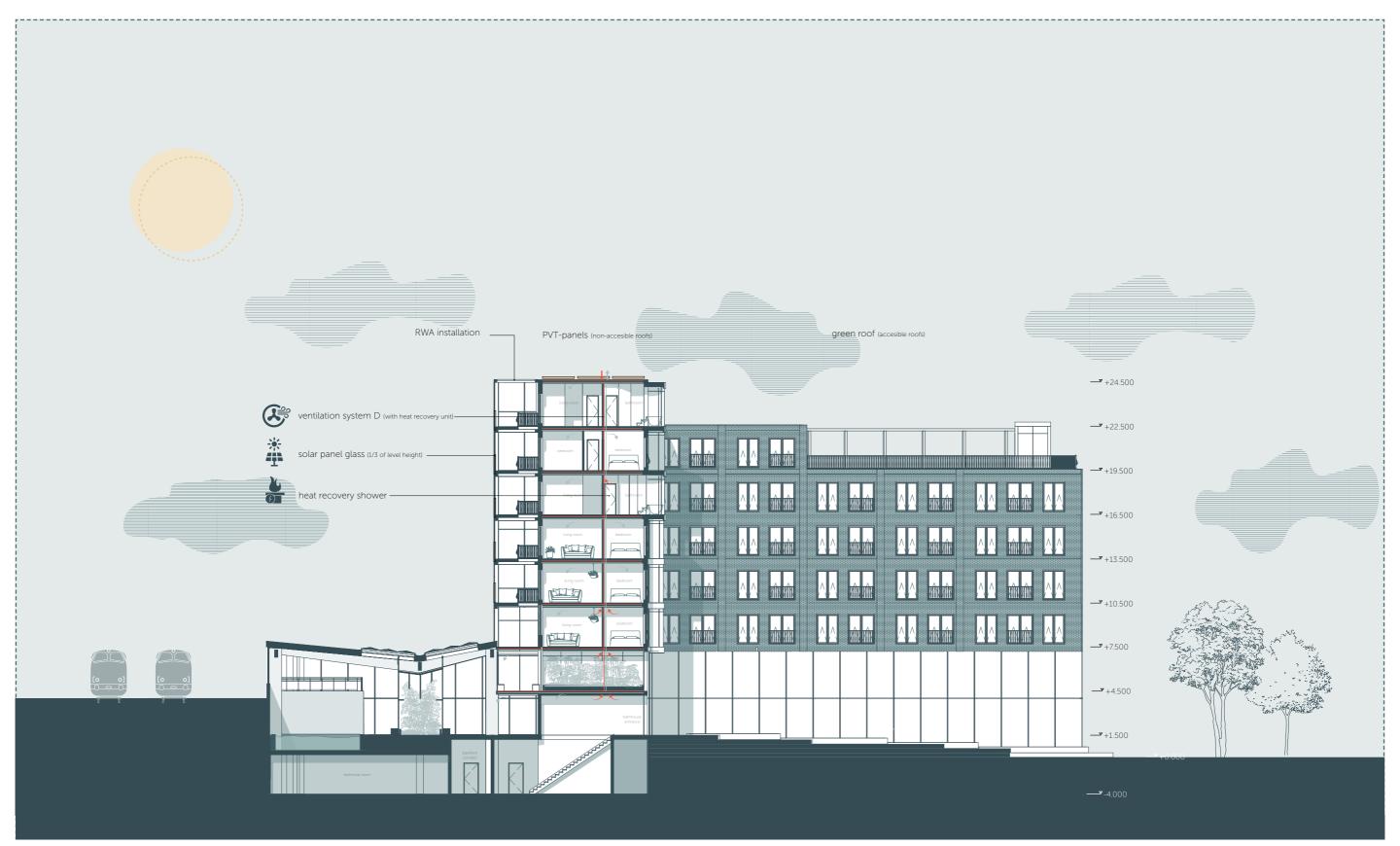
section AA



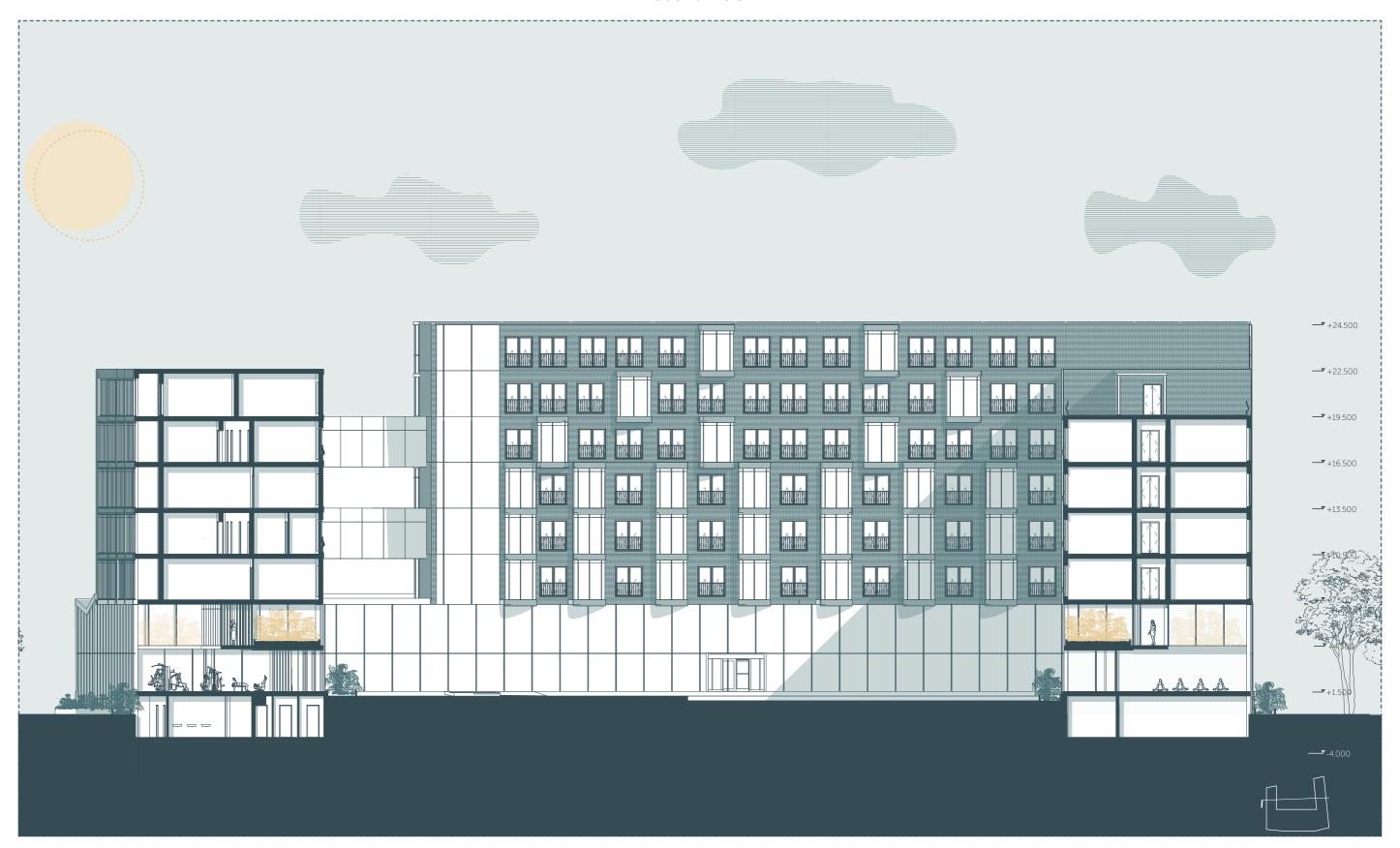
section BB



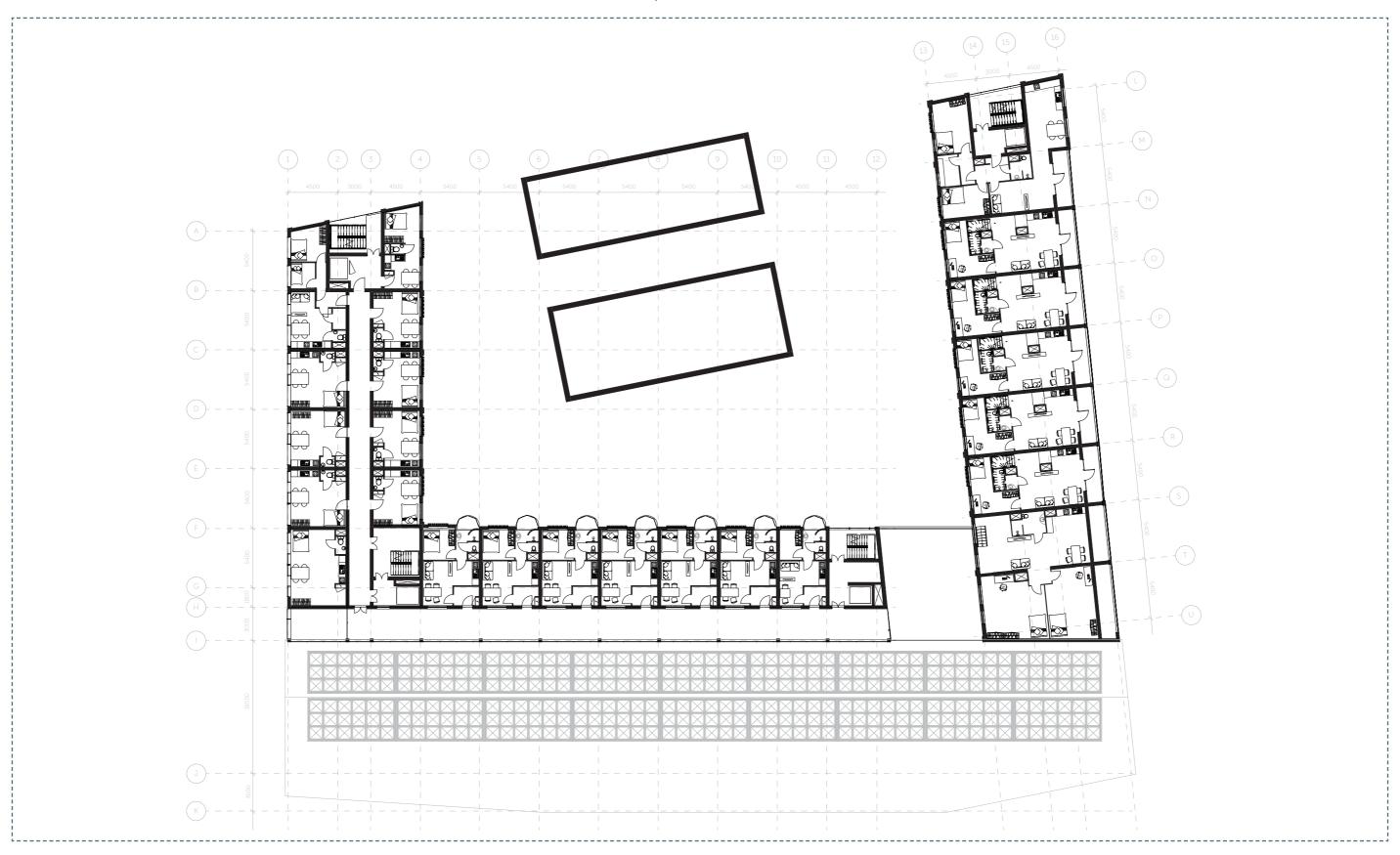
climate section



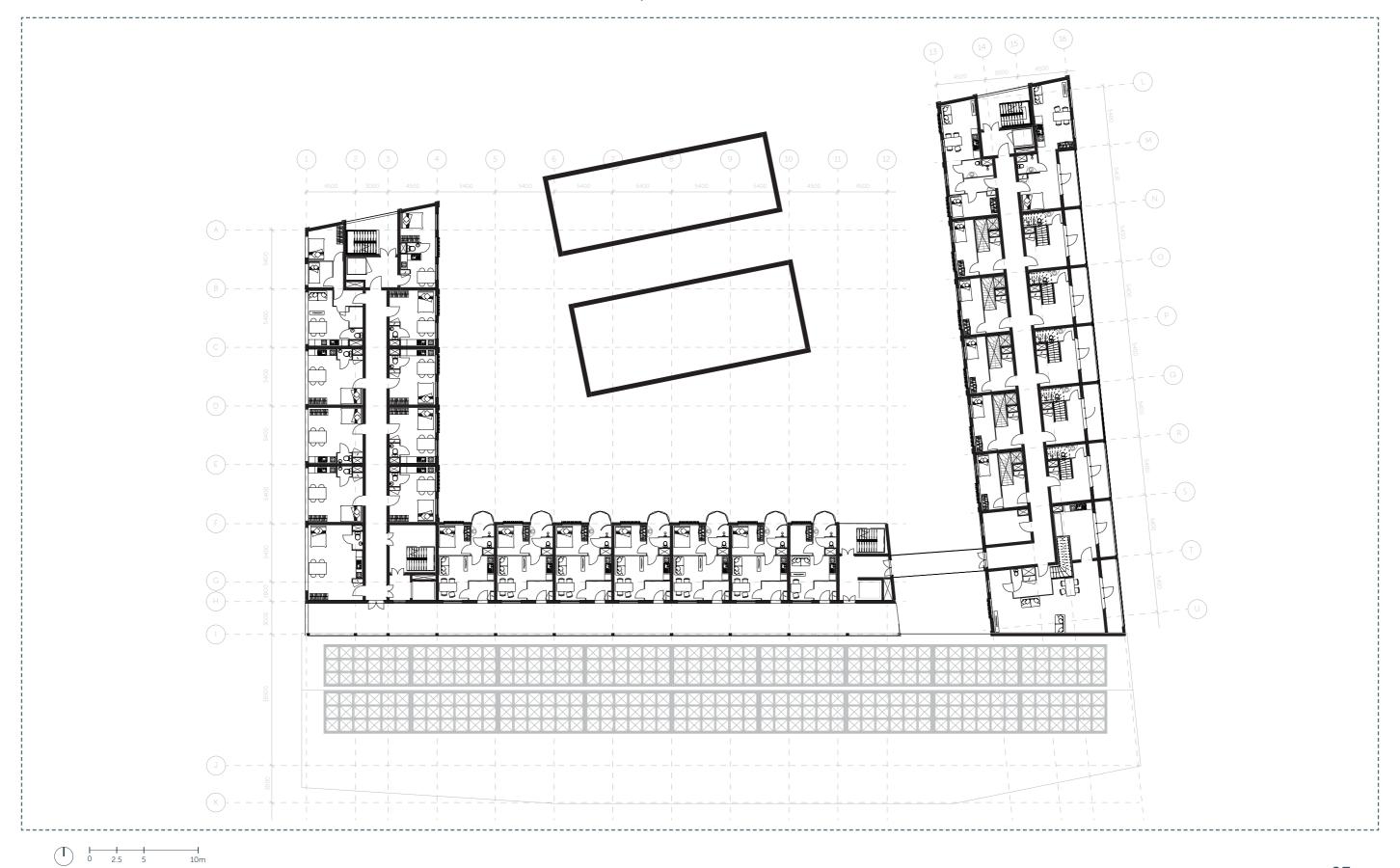
section CC



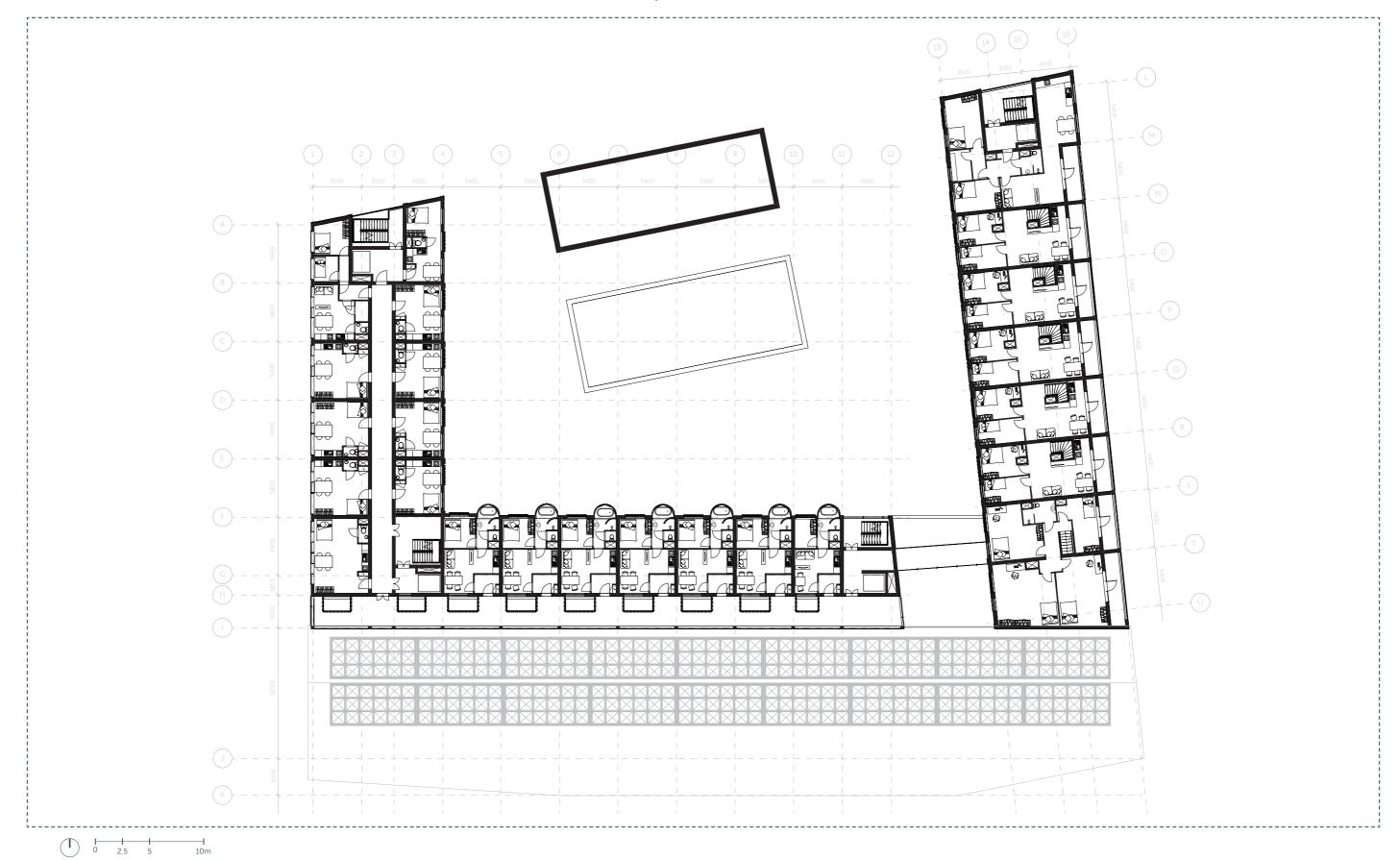
floorplan - first floor



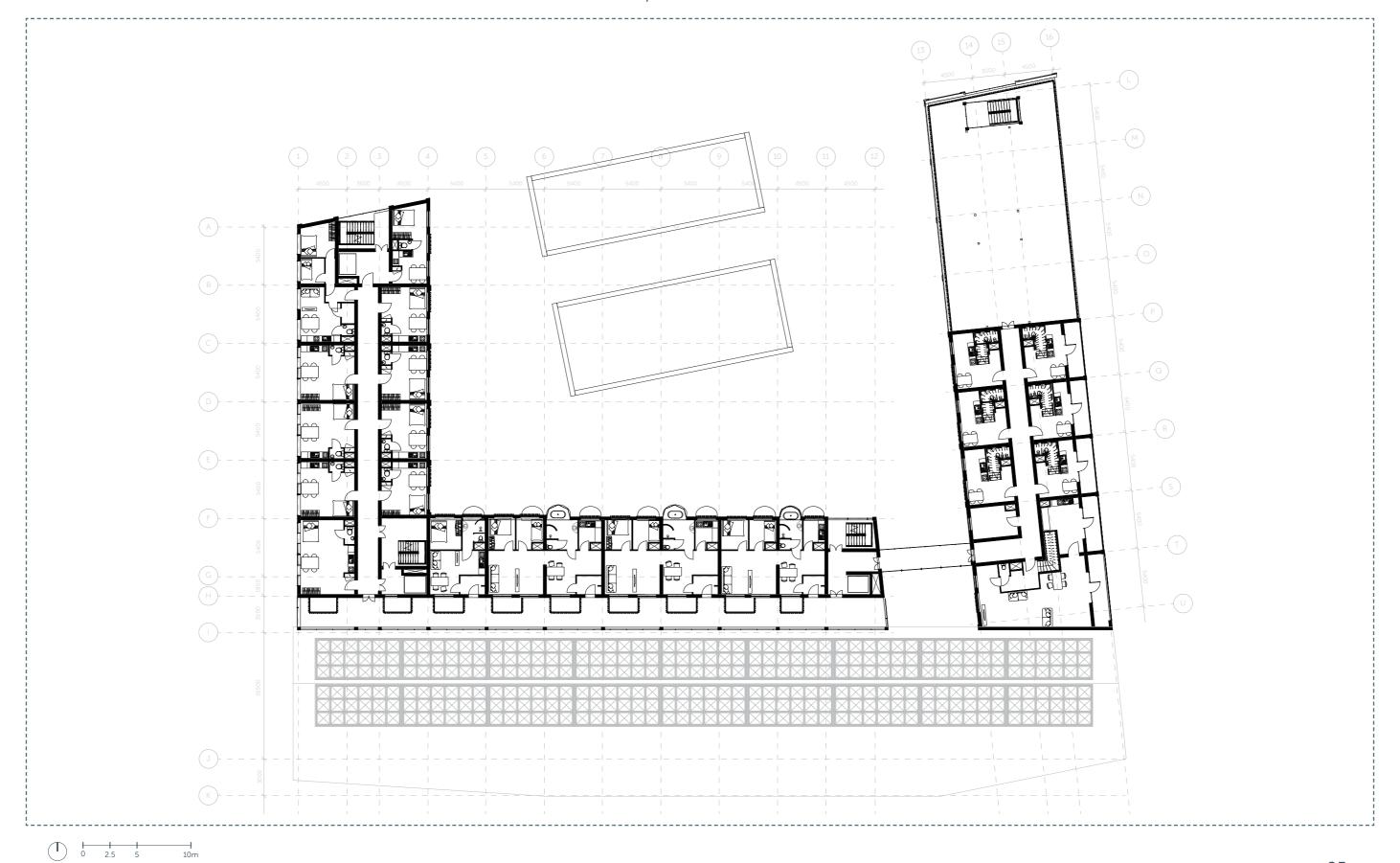
floorplan - second floor



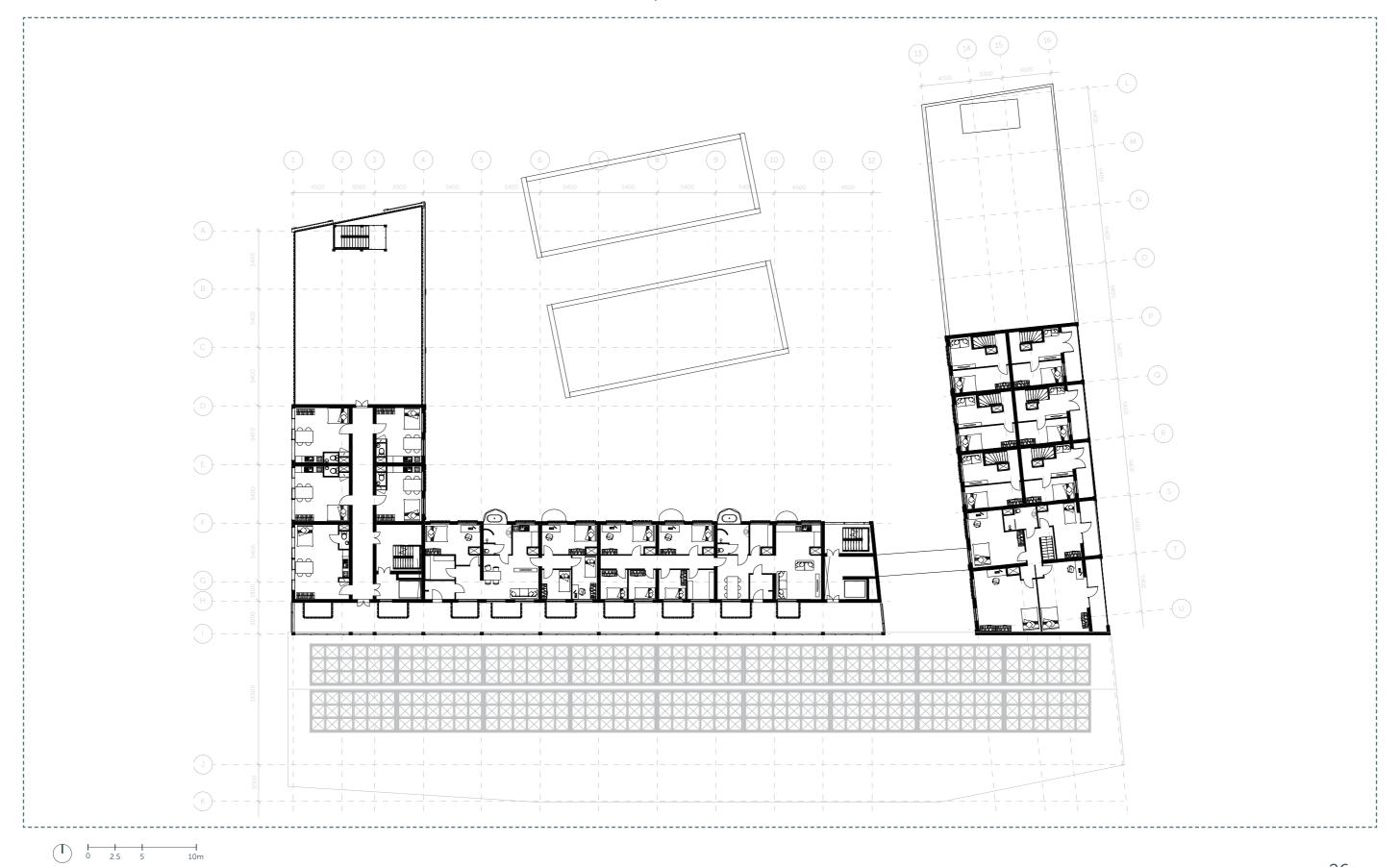
floorplan - third floor



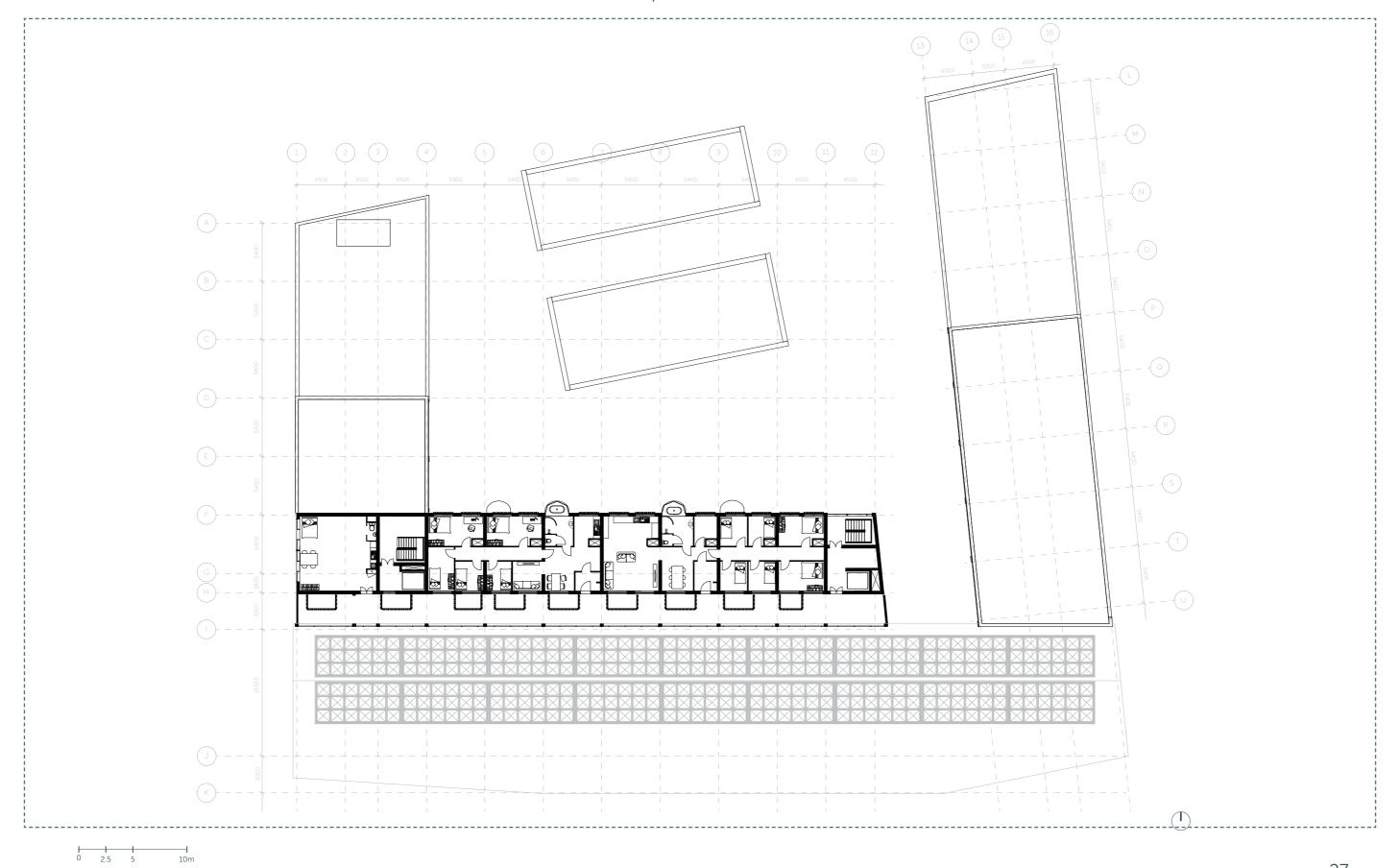
floorplan - fourth floor



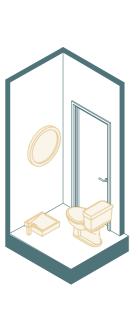
floorplan - fifth floor

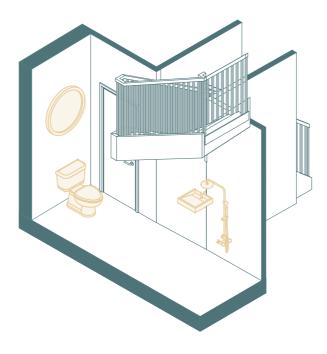


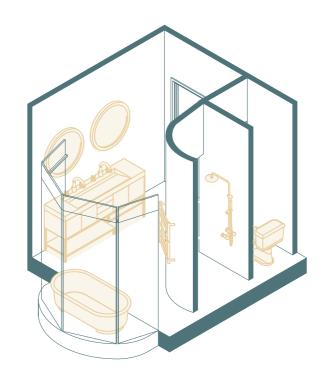
floorplan - sixth floor



bathroom typologies





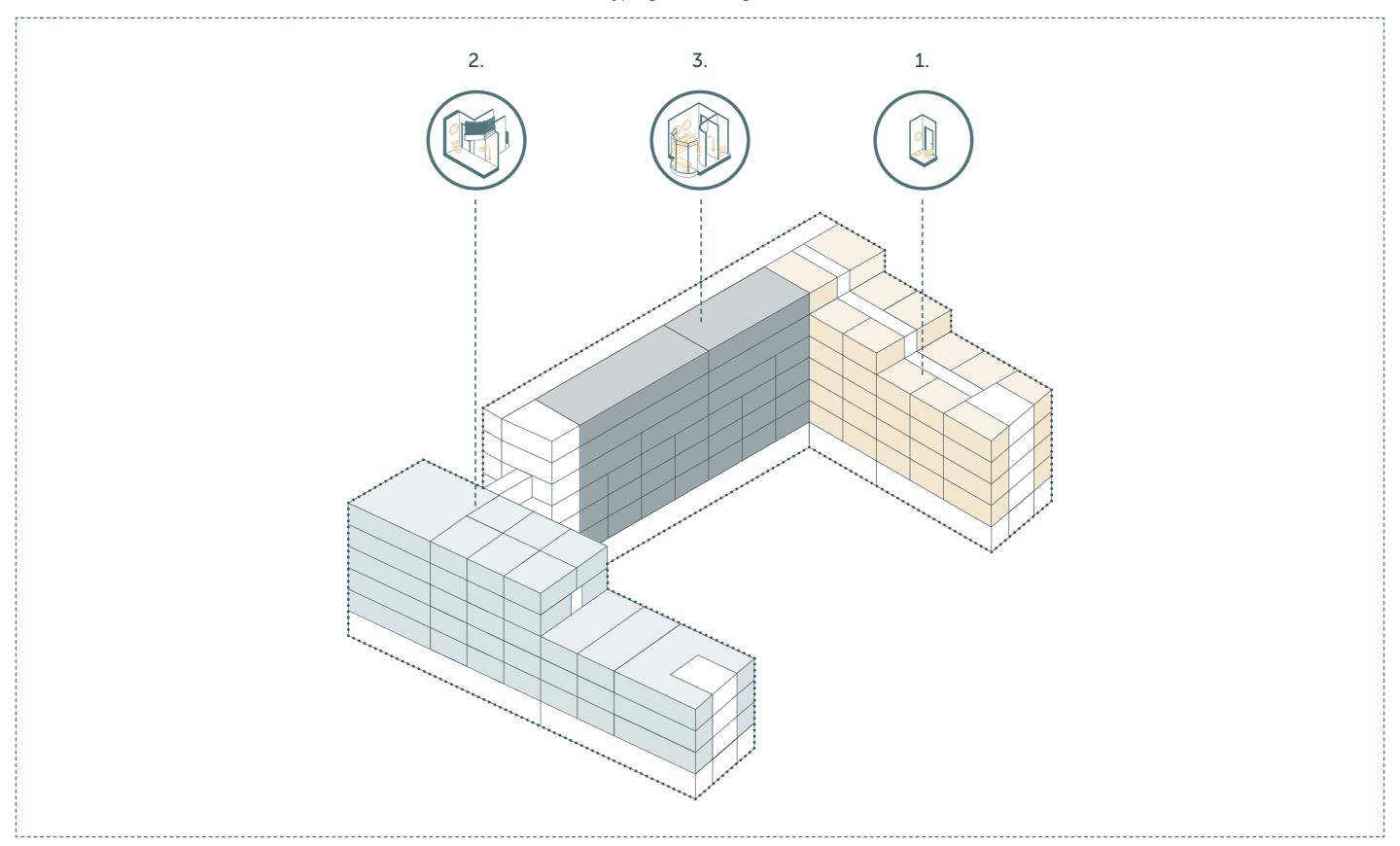


1. no bathroom

2. limited bathroom

3. extravagent bathoom

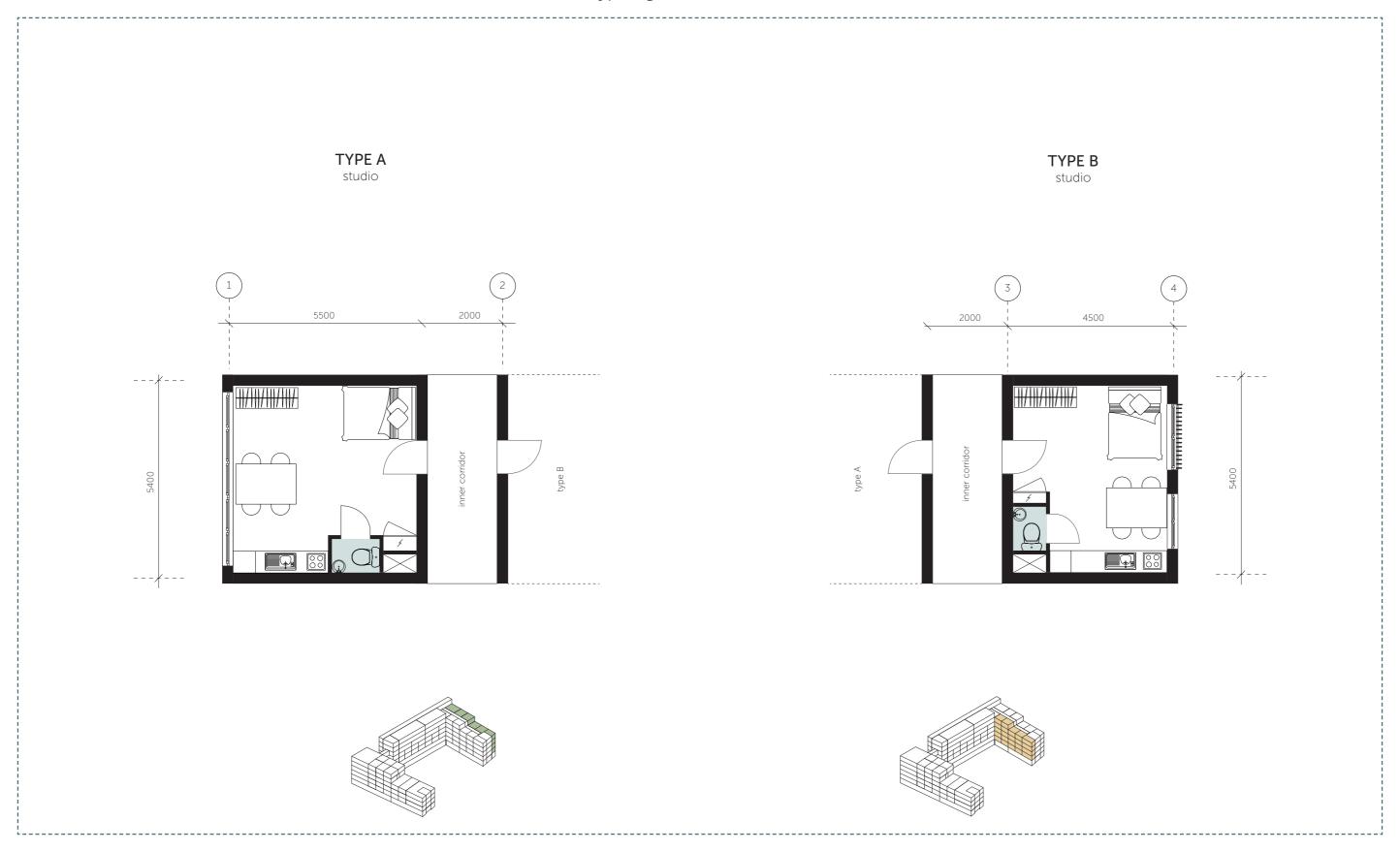
typolgies building distr



typologies - a big variety



typologies - no bathroom



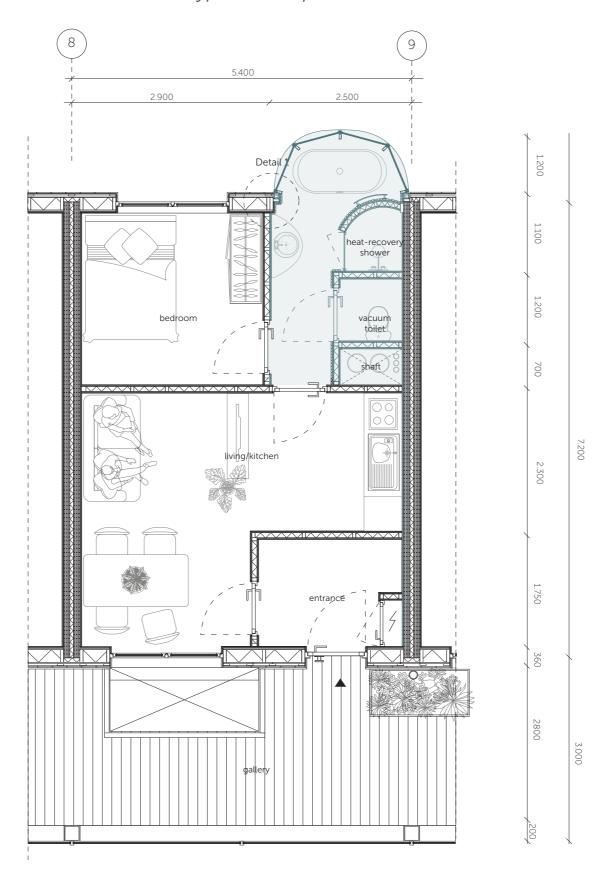
typologies - limited bathroom



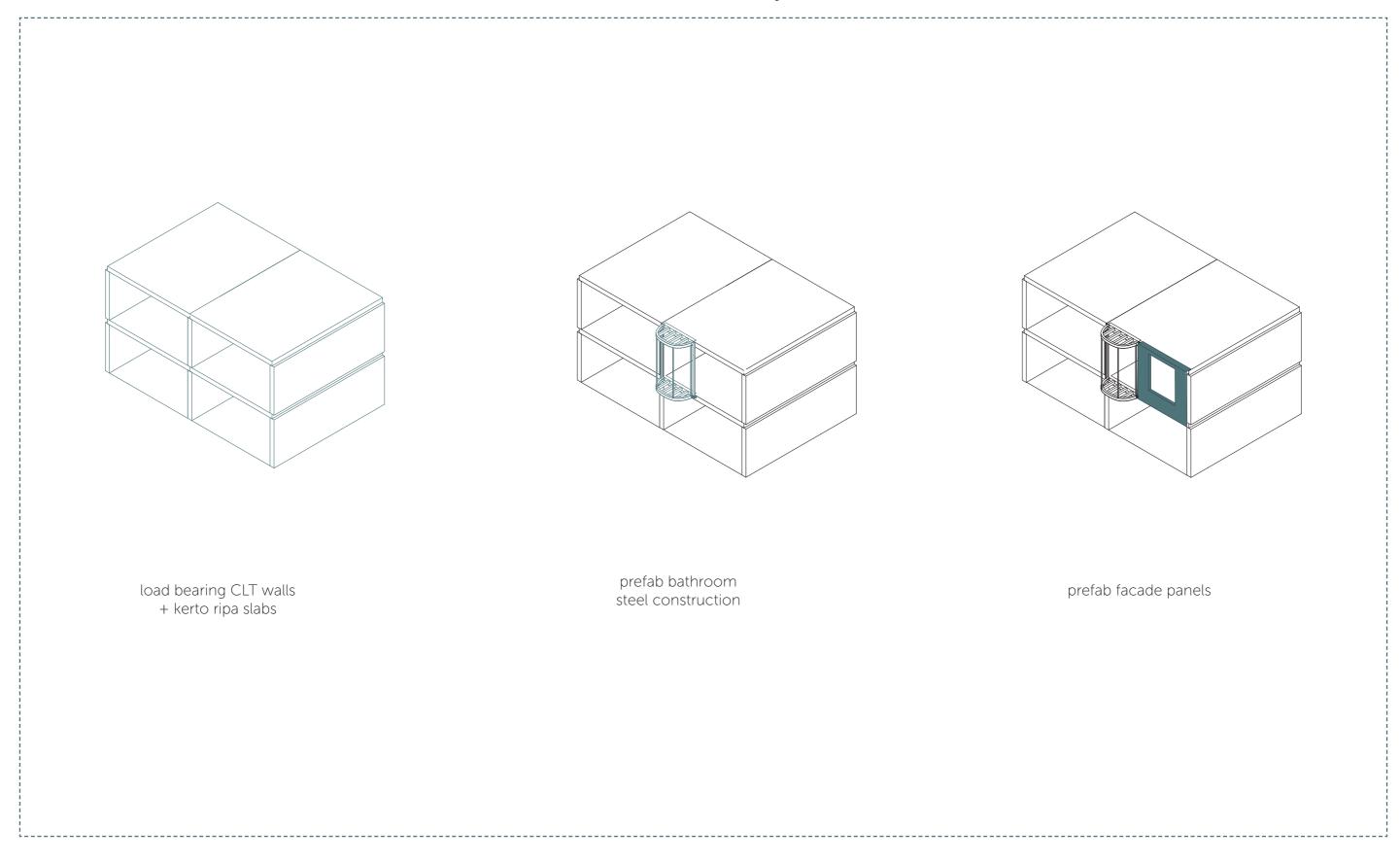
typolgies - extravagant bathroom



type c - floorplan 1:50



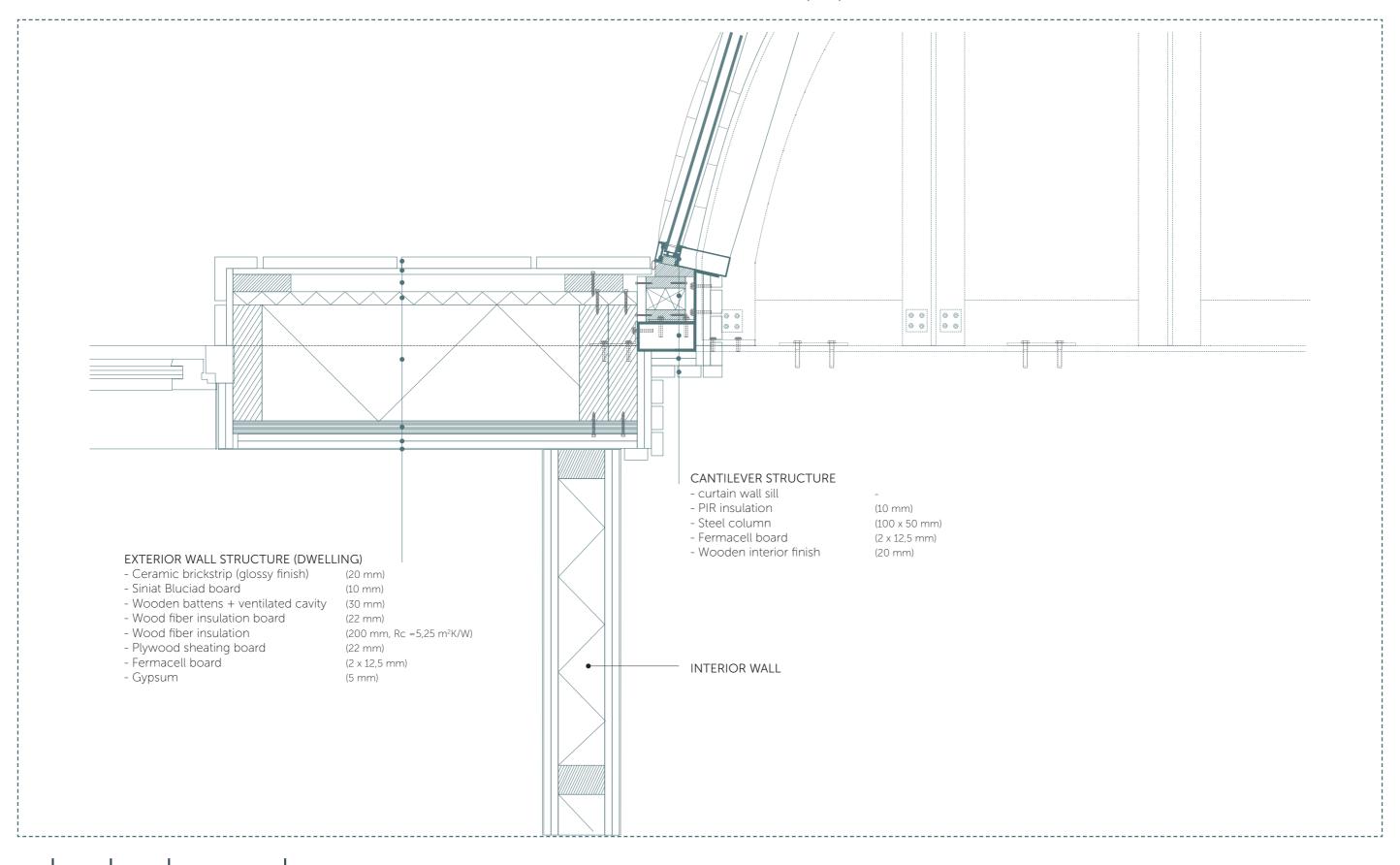
bathroom assembly



facade fragment 1:50



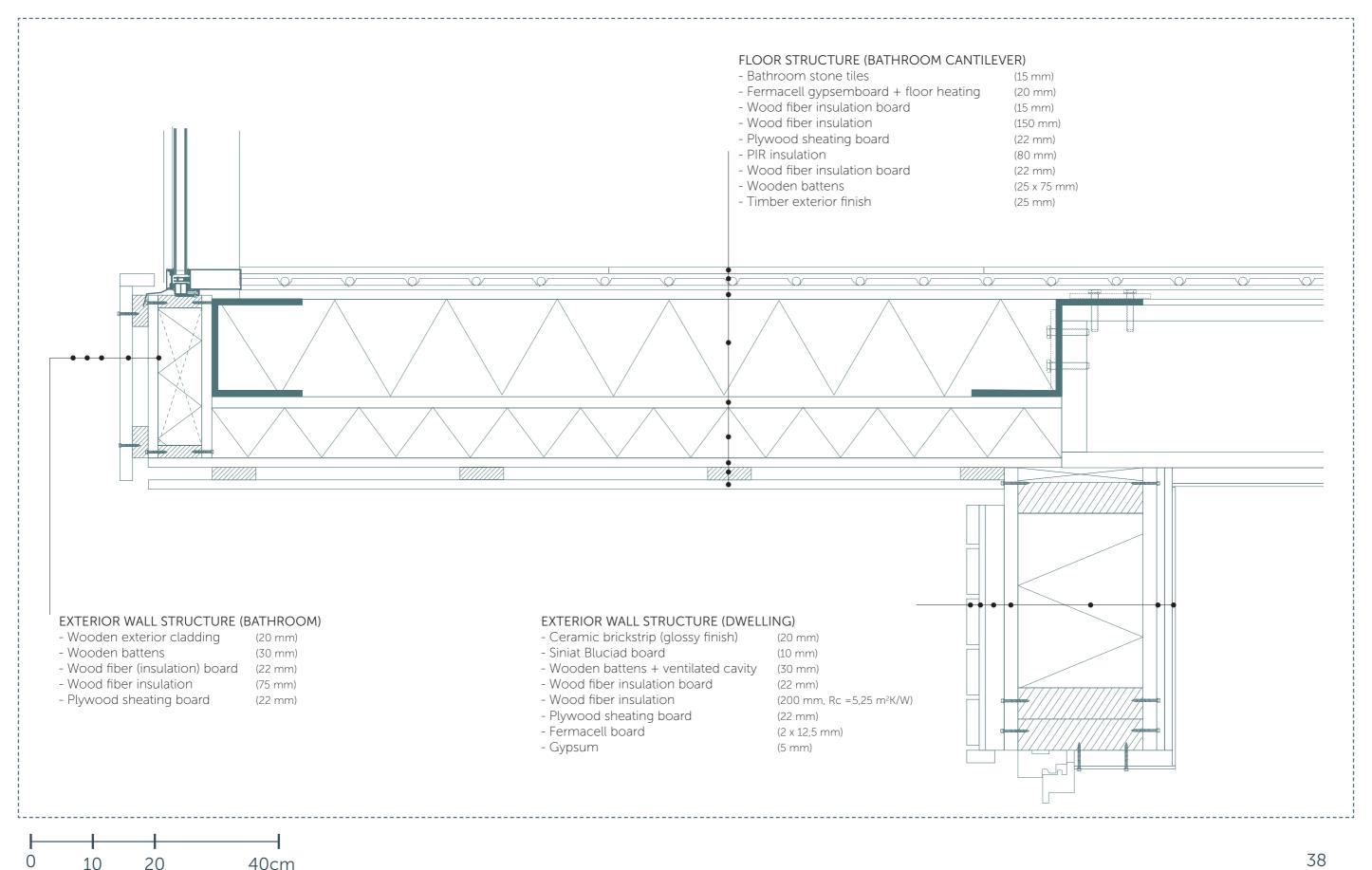
detail 1 - bathroom cantilever (hor)



40cm

10

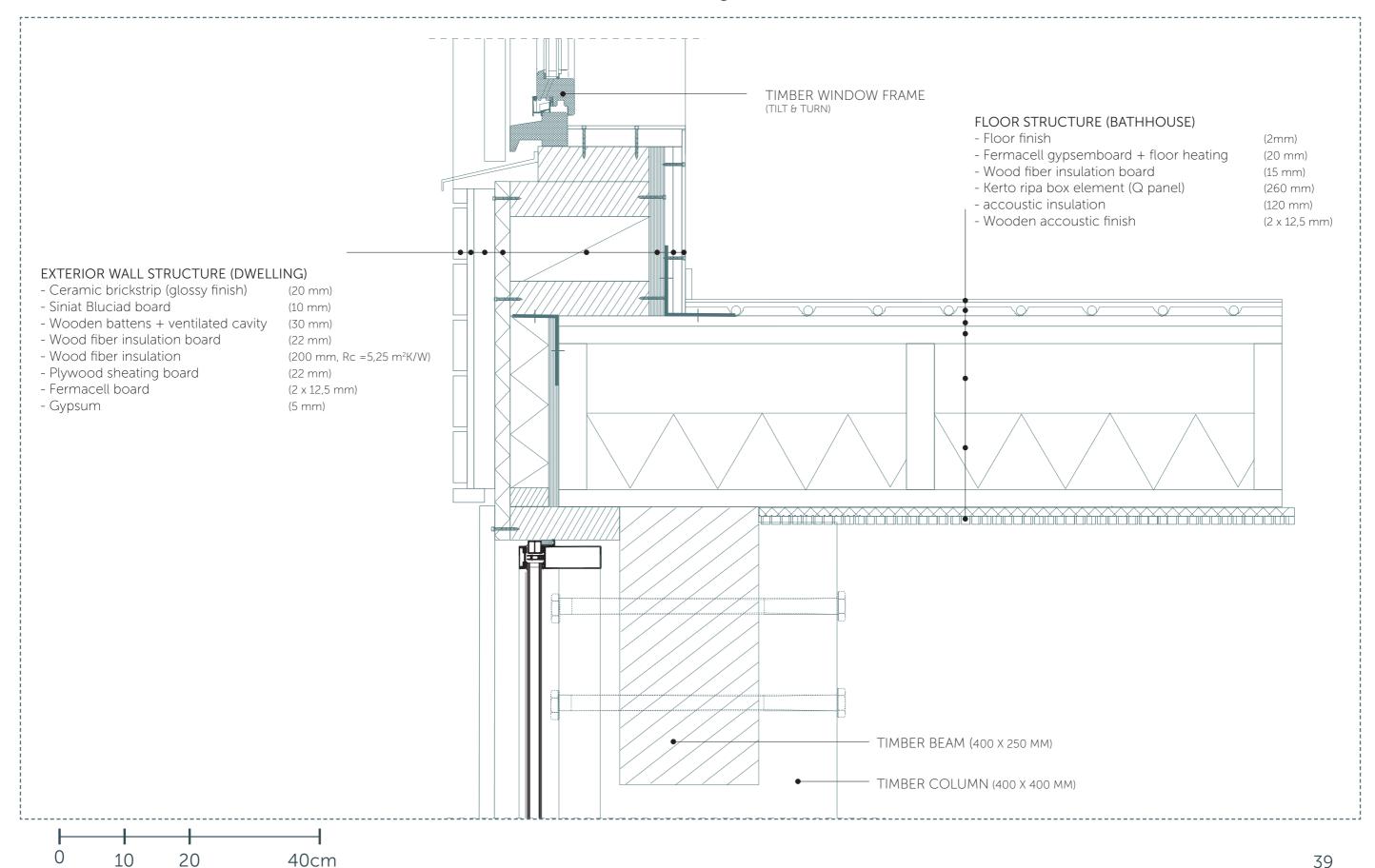
20



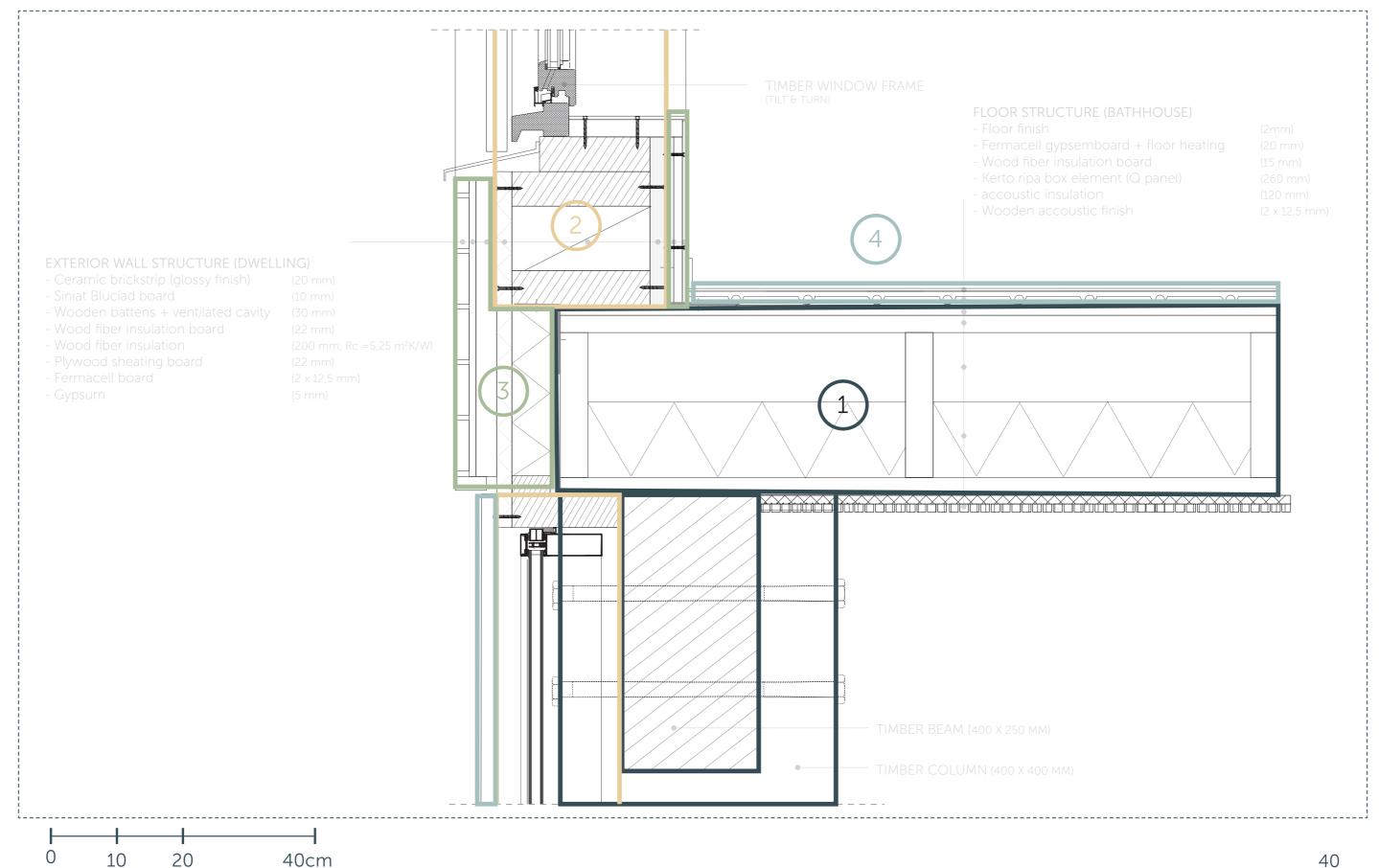
10

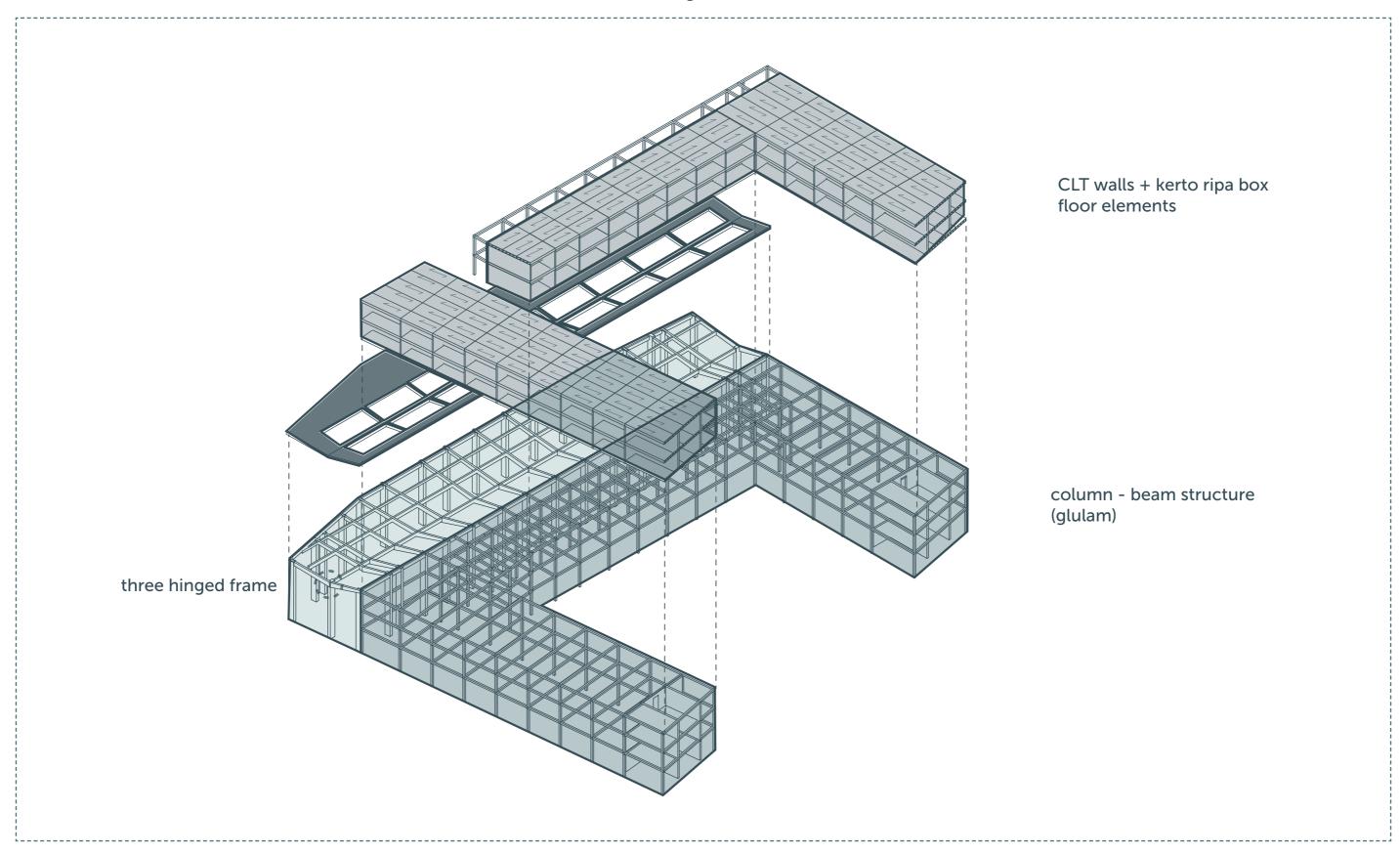
40cm

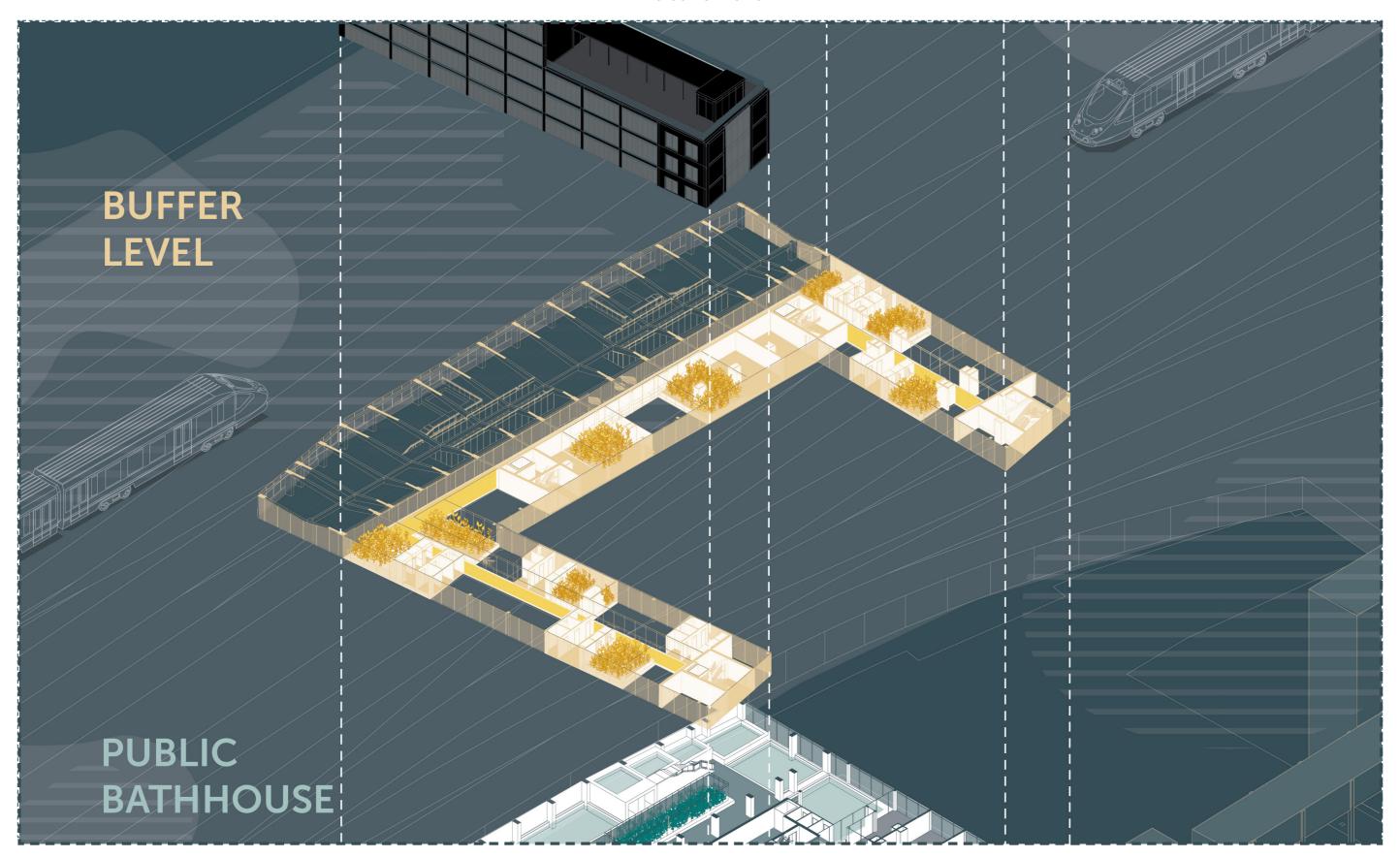
detail 3 - transition housing / bathhouse (ver)



order of assembly (detail 3)

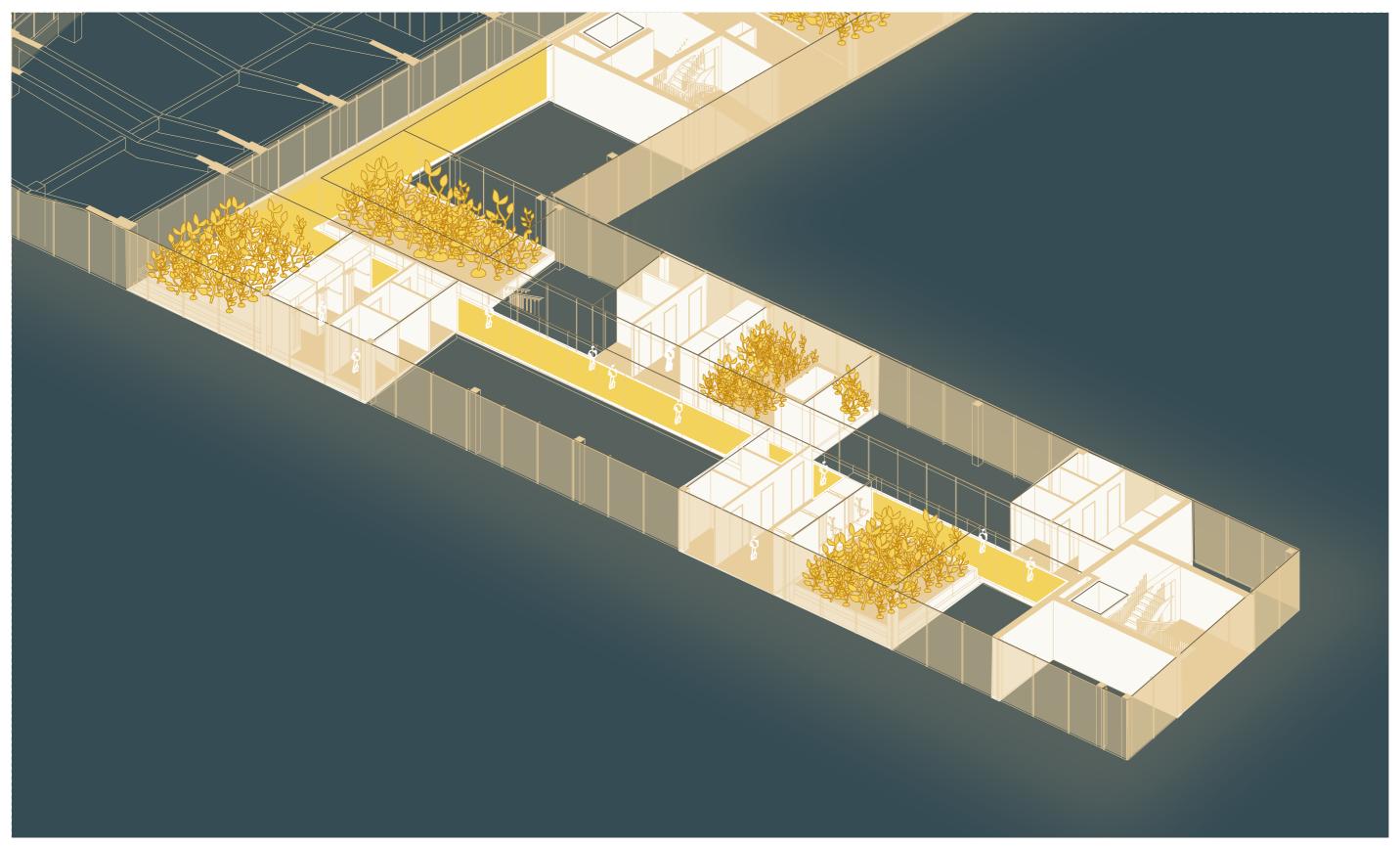




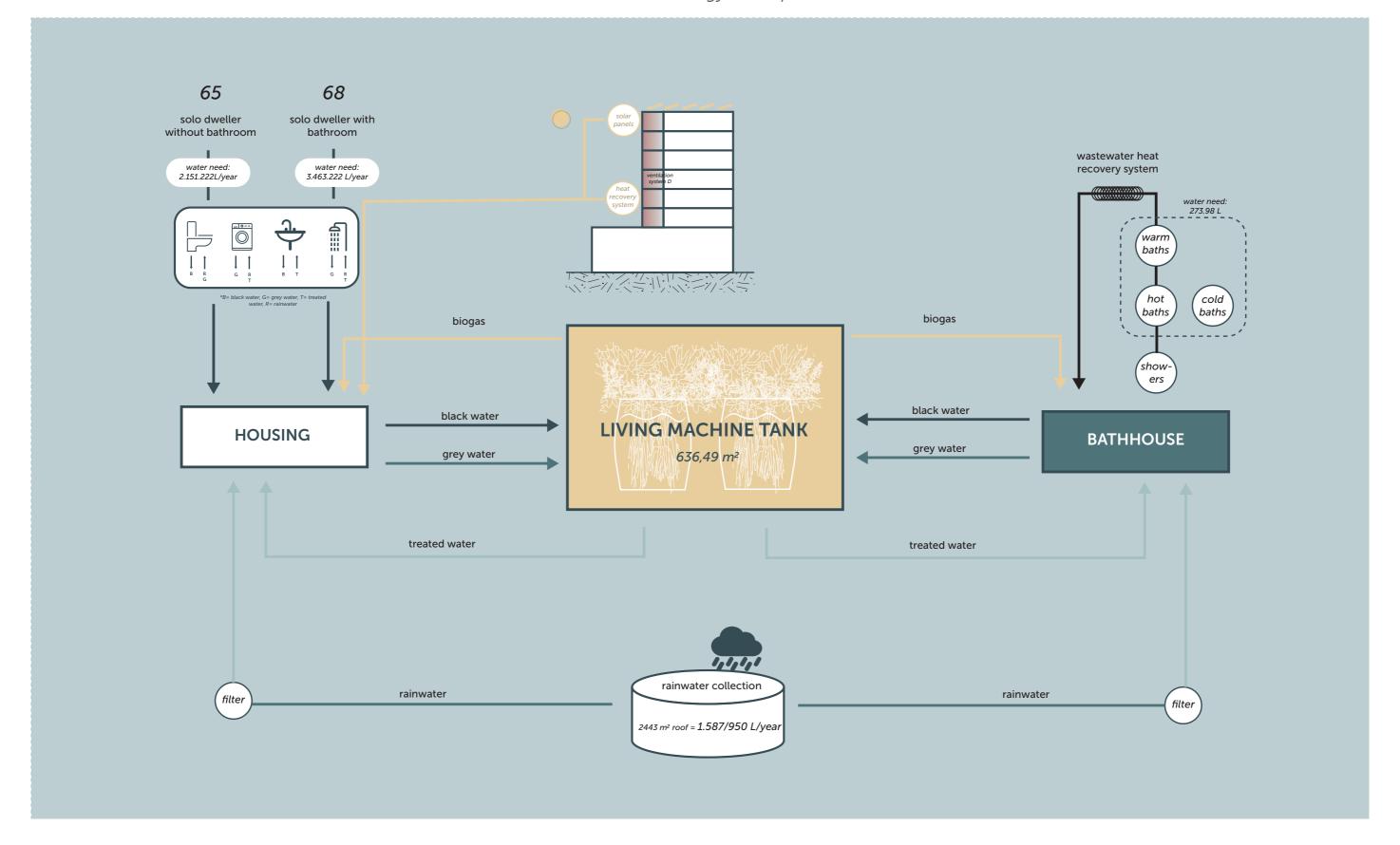


BIND BY WATER

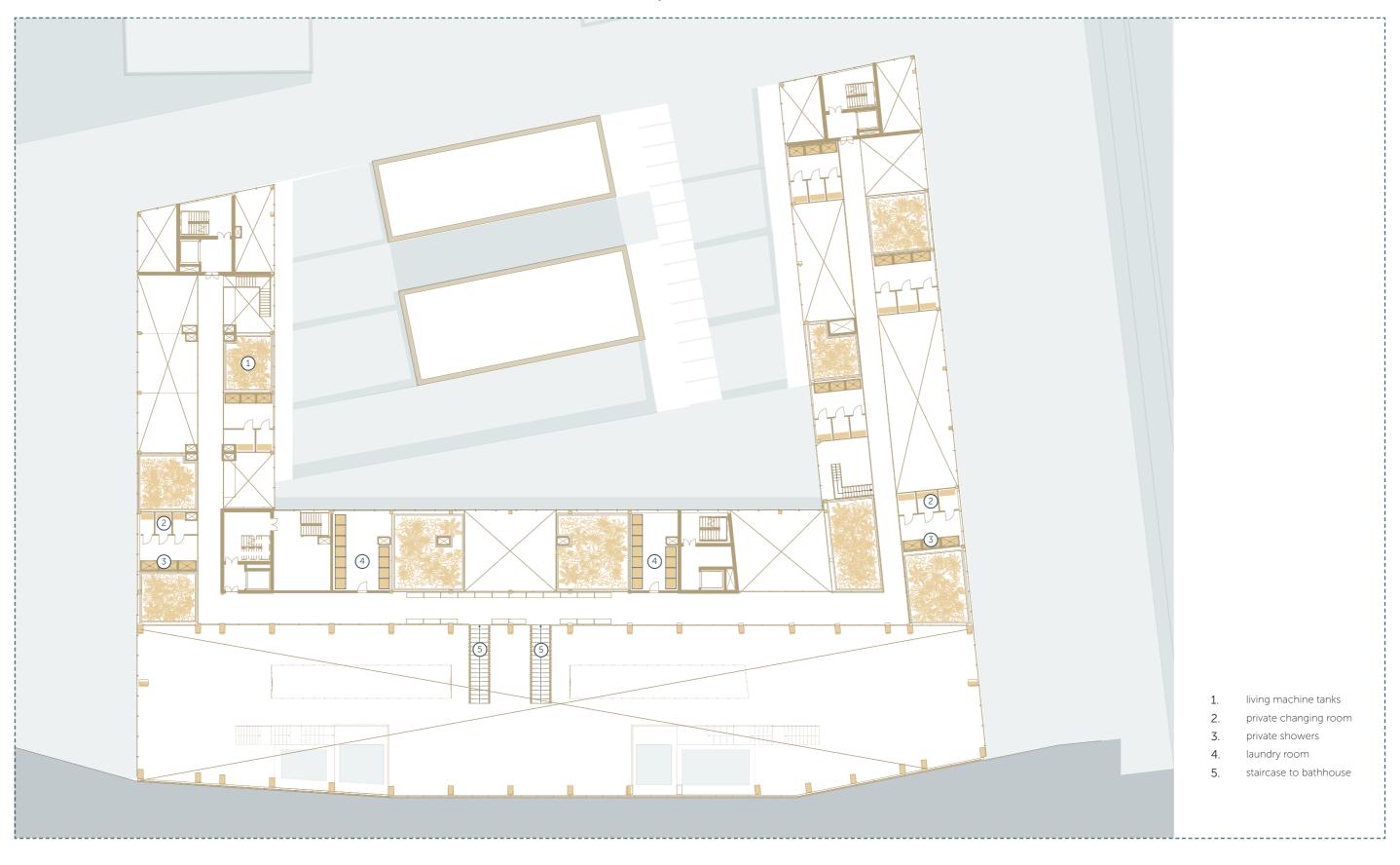
private bathing infrastructure in nature



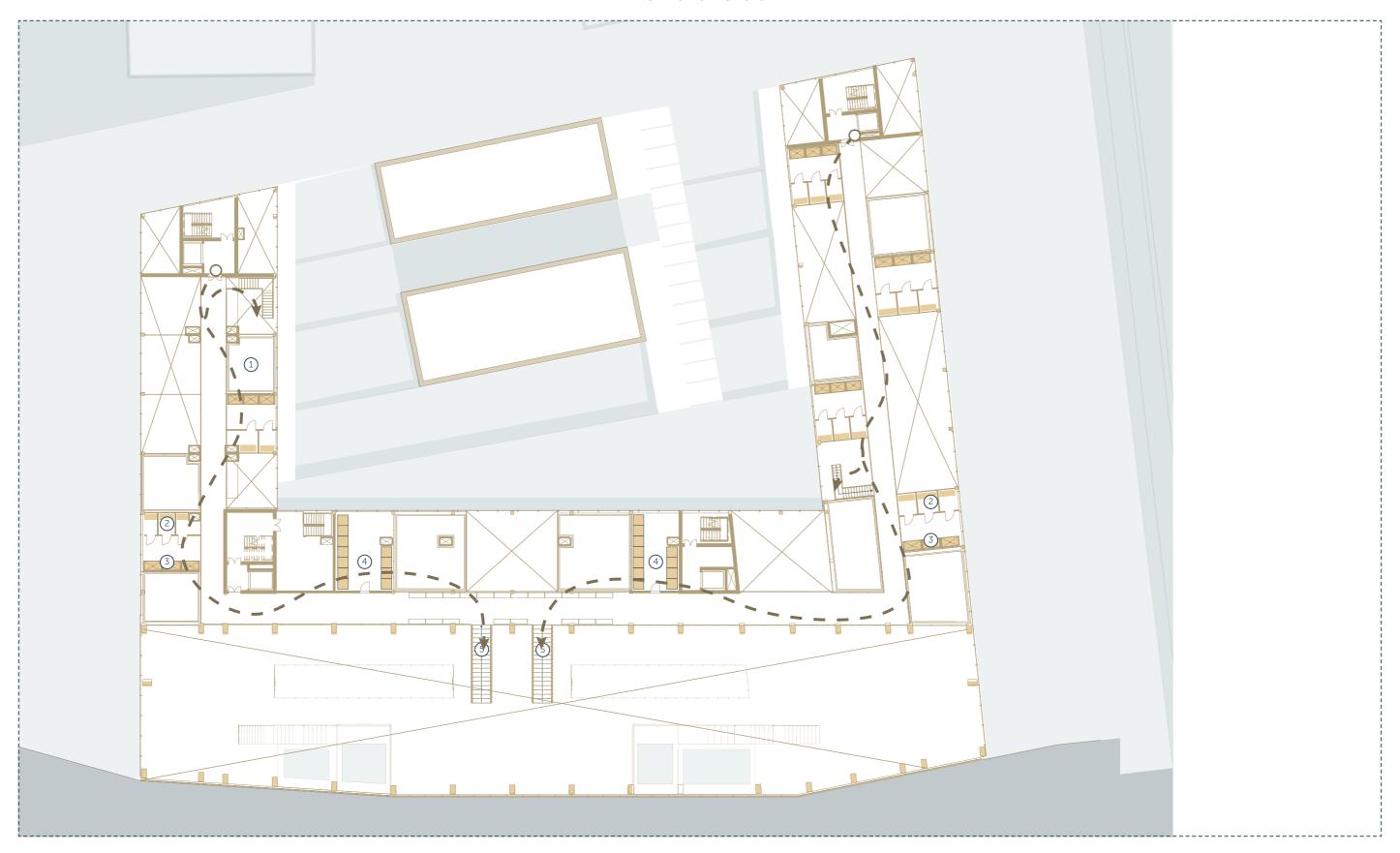
water + energy concept

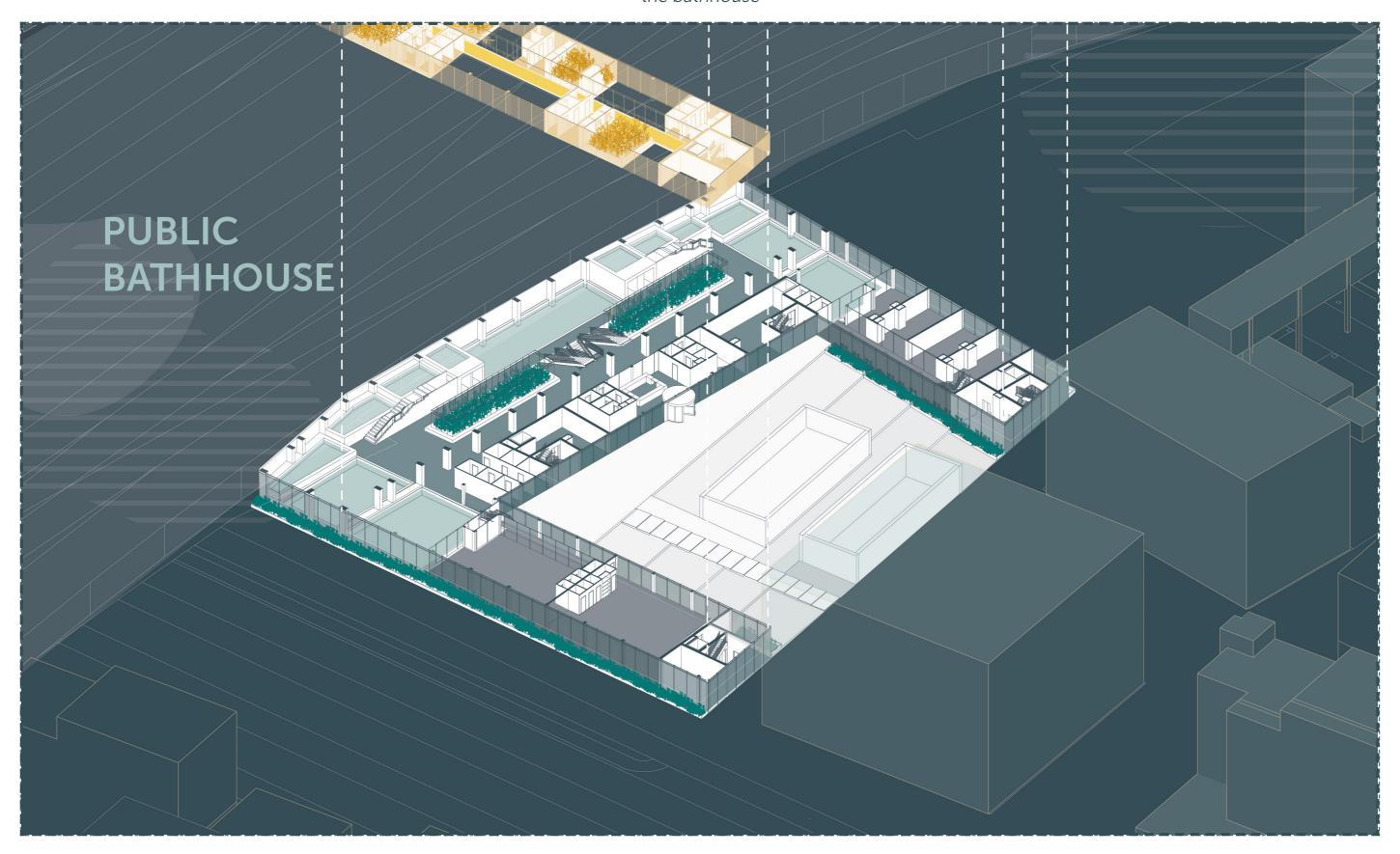


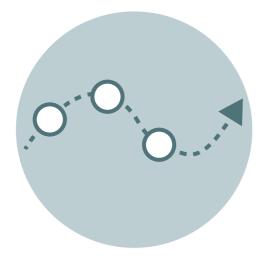
floorplan - level 0.5



flow of dwellers

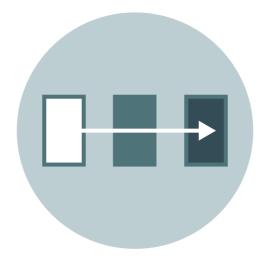






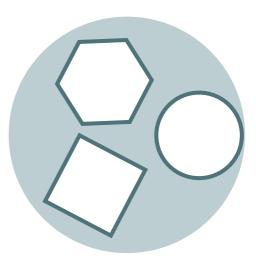
ROUTING

clear routing through bathhouse



SEQUENCE

from warm-hot-cold baths

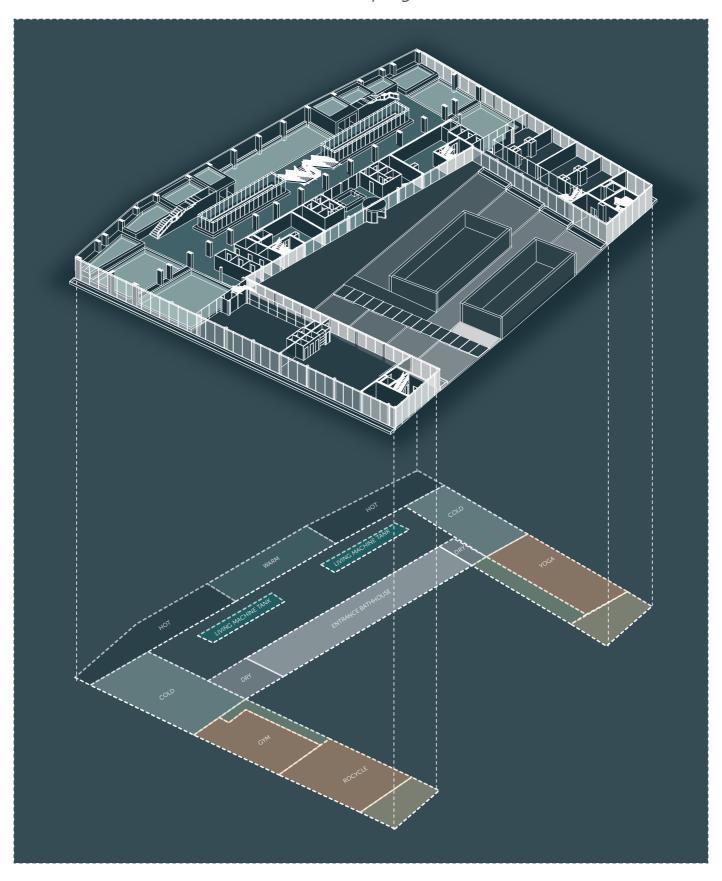


HYBRID PROGRAM

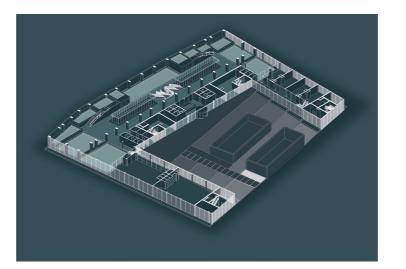
to attract broader audience

BIND BY WATER

bathhouse program

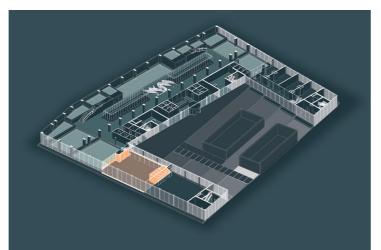


program sequence

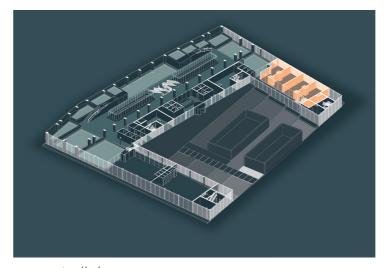




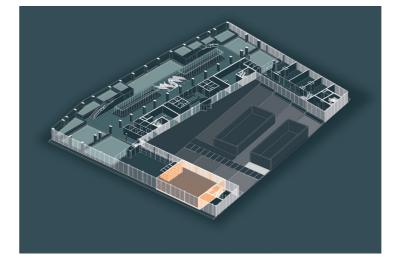
entrance active program



gym facility

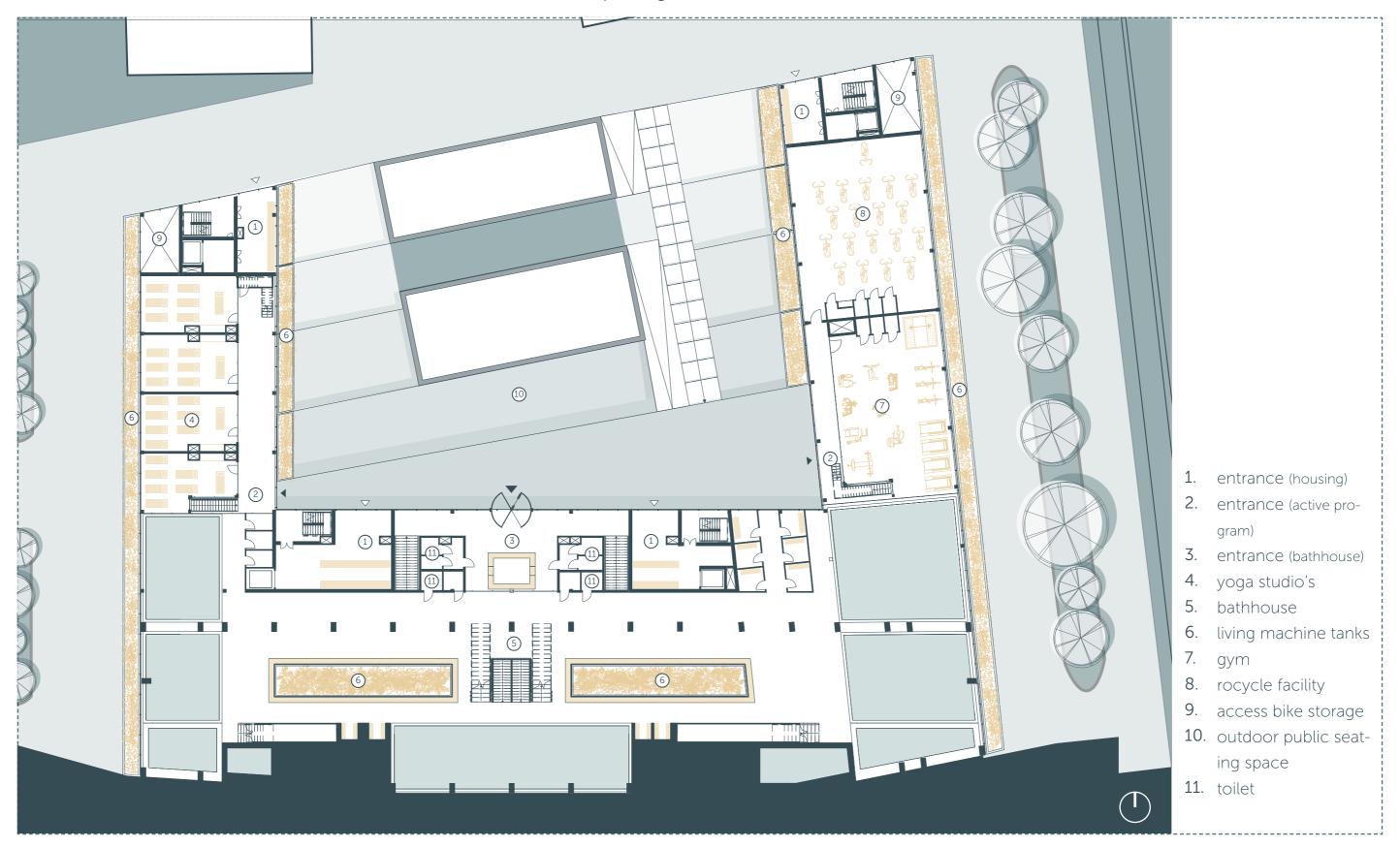


yoga studio's



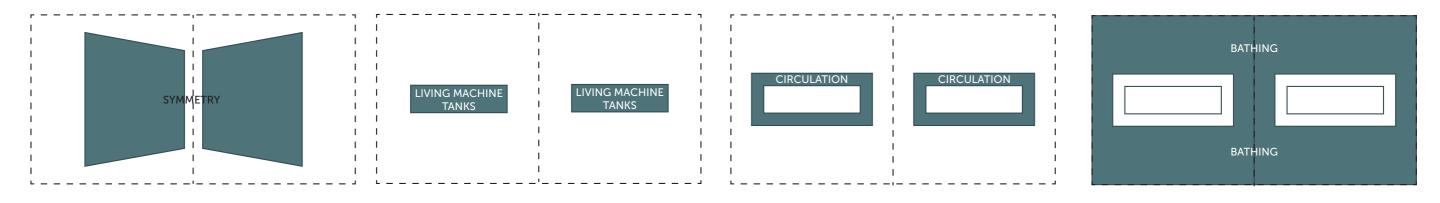
rocycling facility

floorplan - ground floor (+1.500)

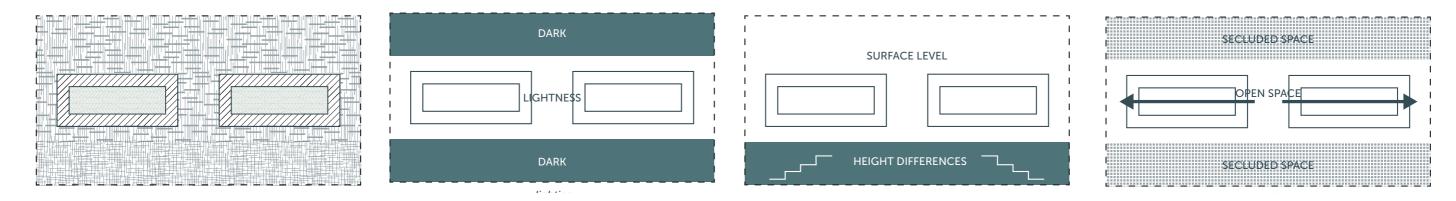


bathhouse design

FLOORPLANNING

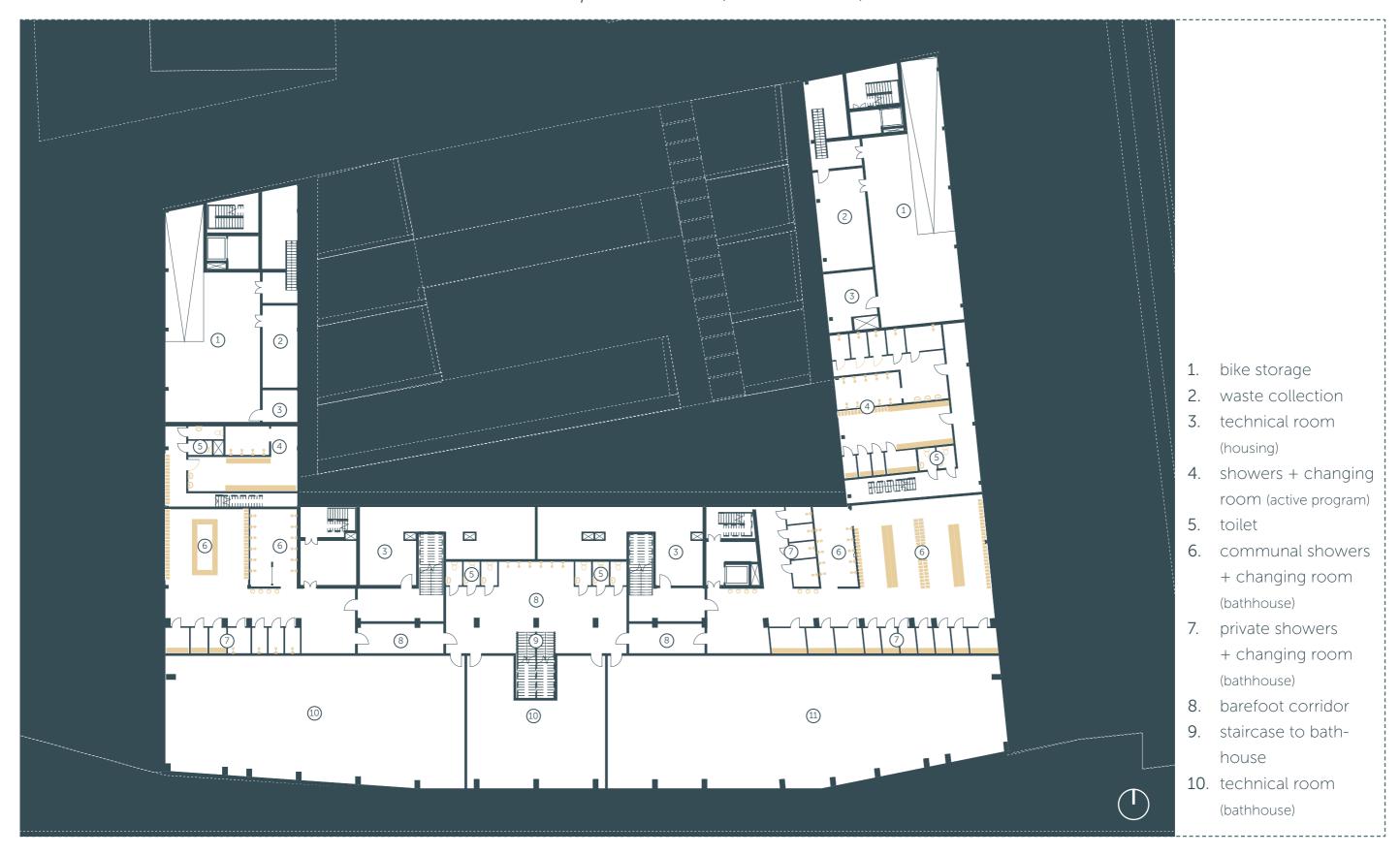


MULTI-SENSORY SPATIAL EXPERIENCE

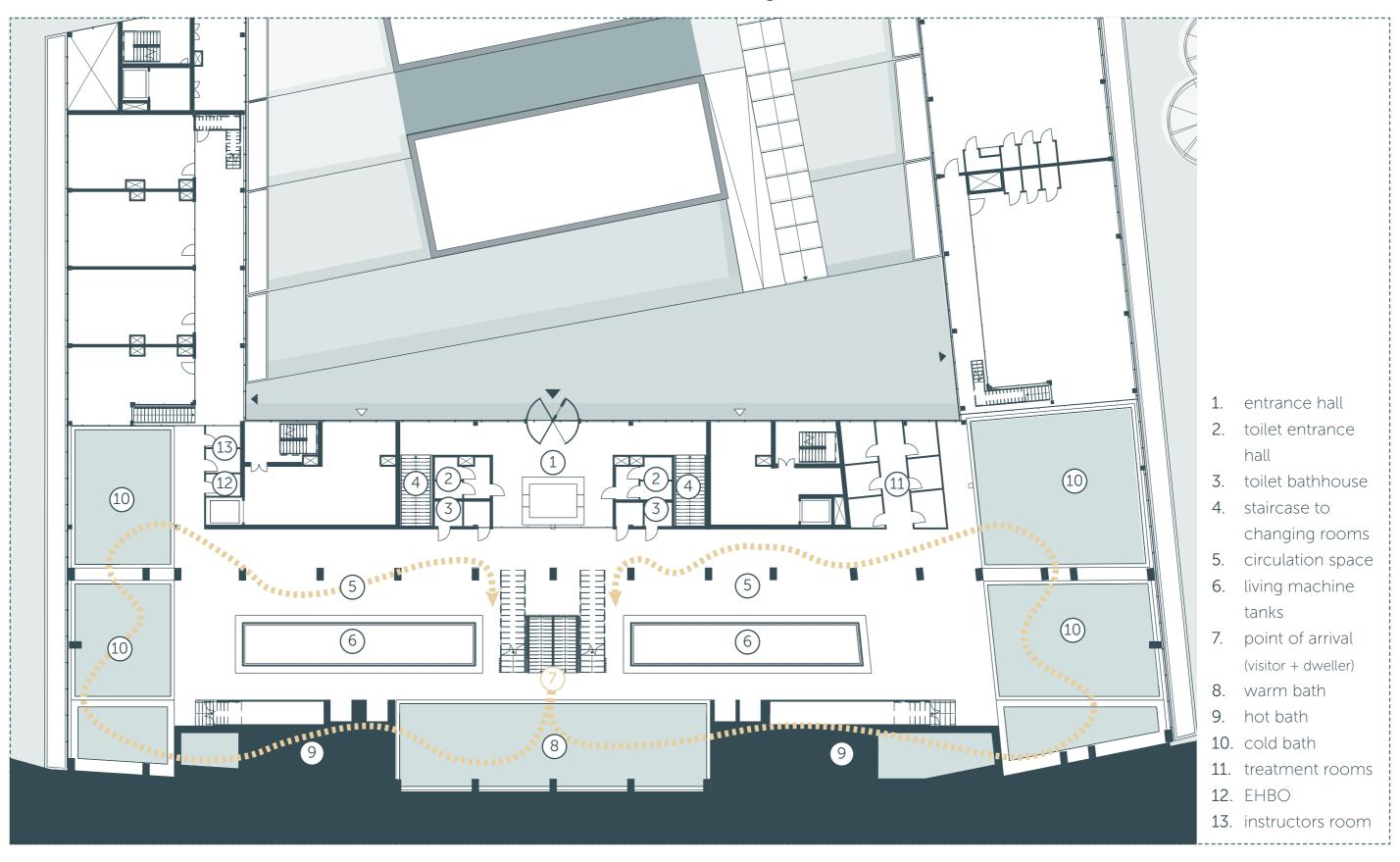


BIND BY WATER

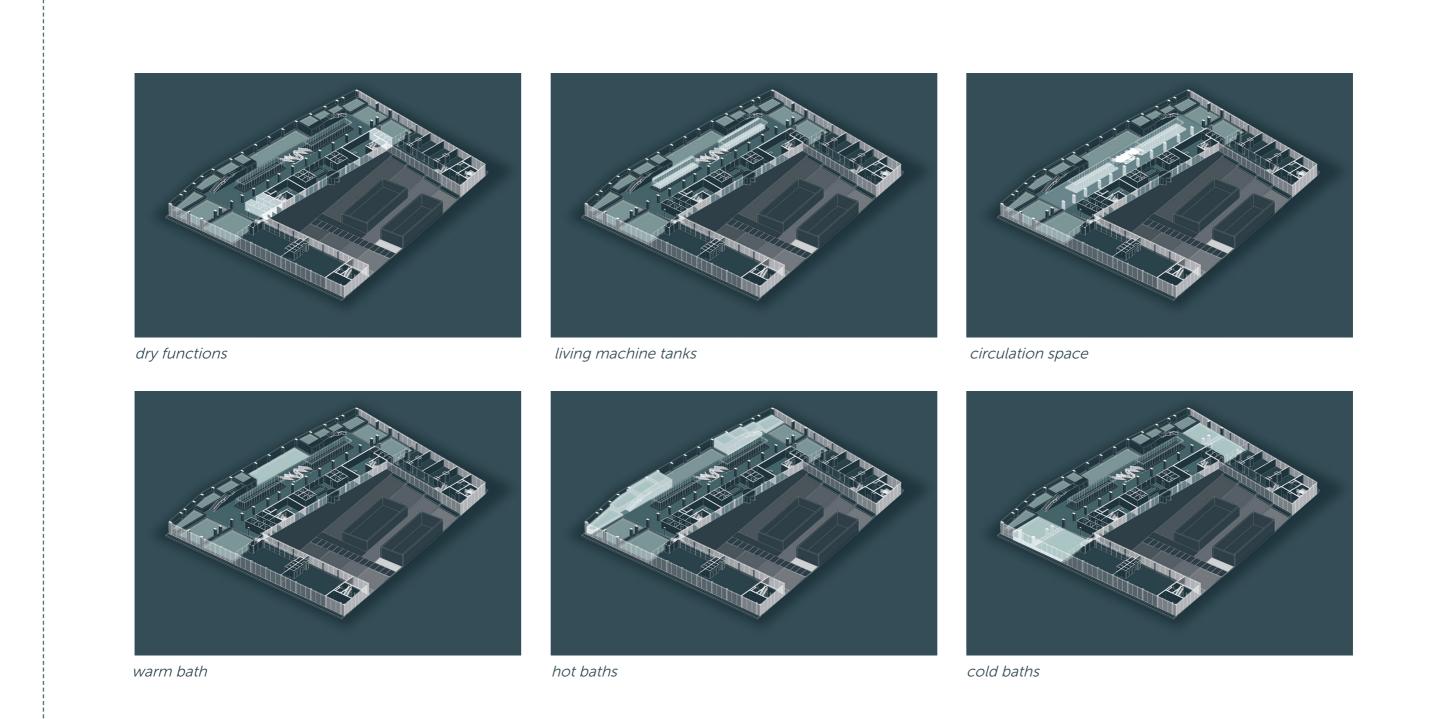
floorplan - basement (-1.500 / - 4.000)



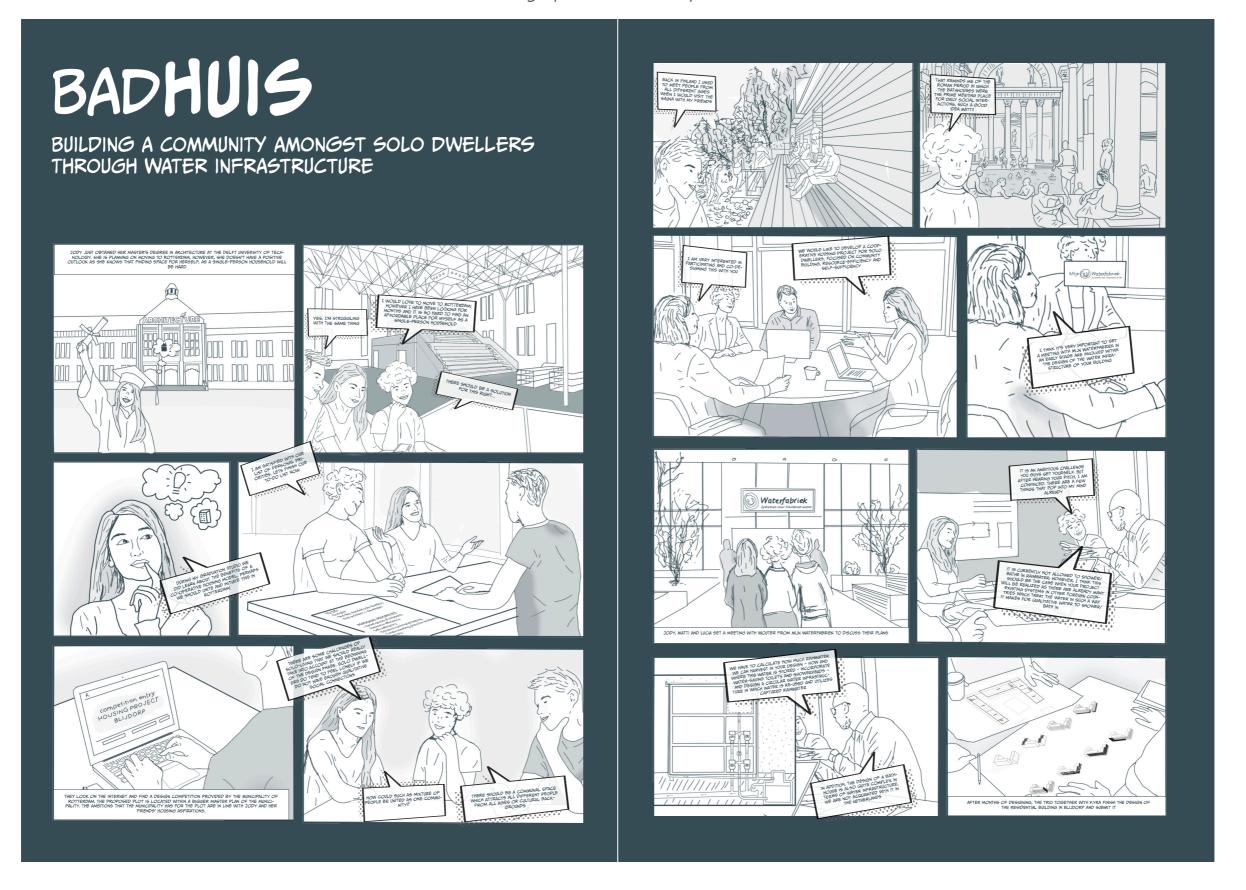
bathhouse routing



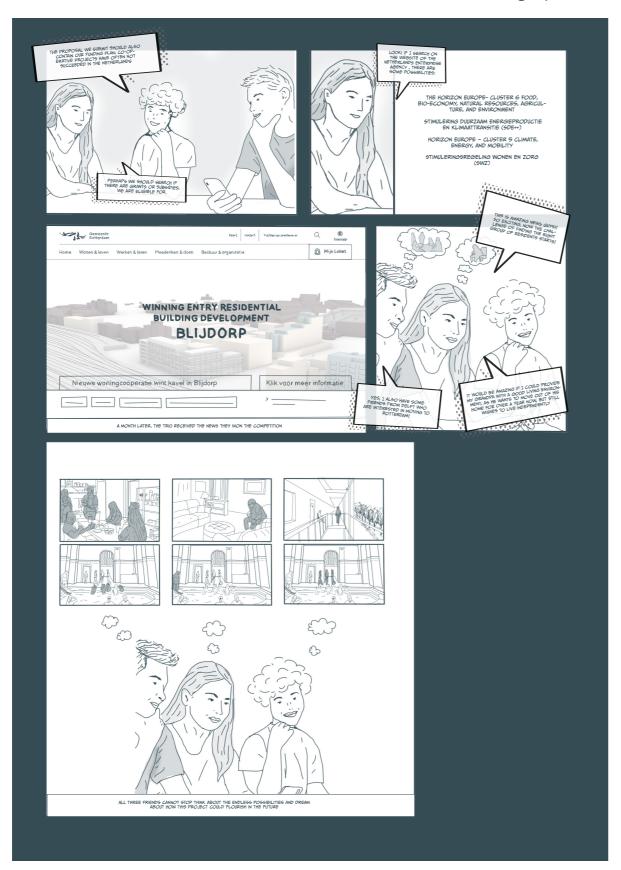
bathhouse program sequence



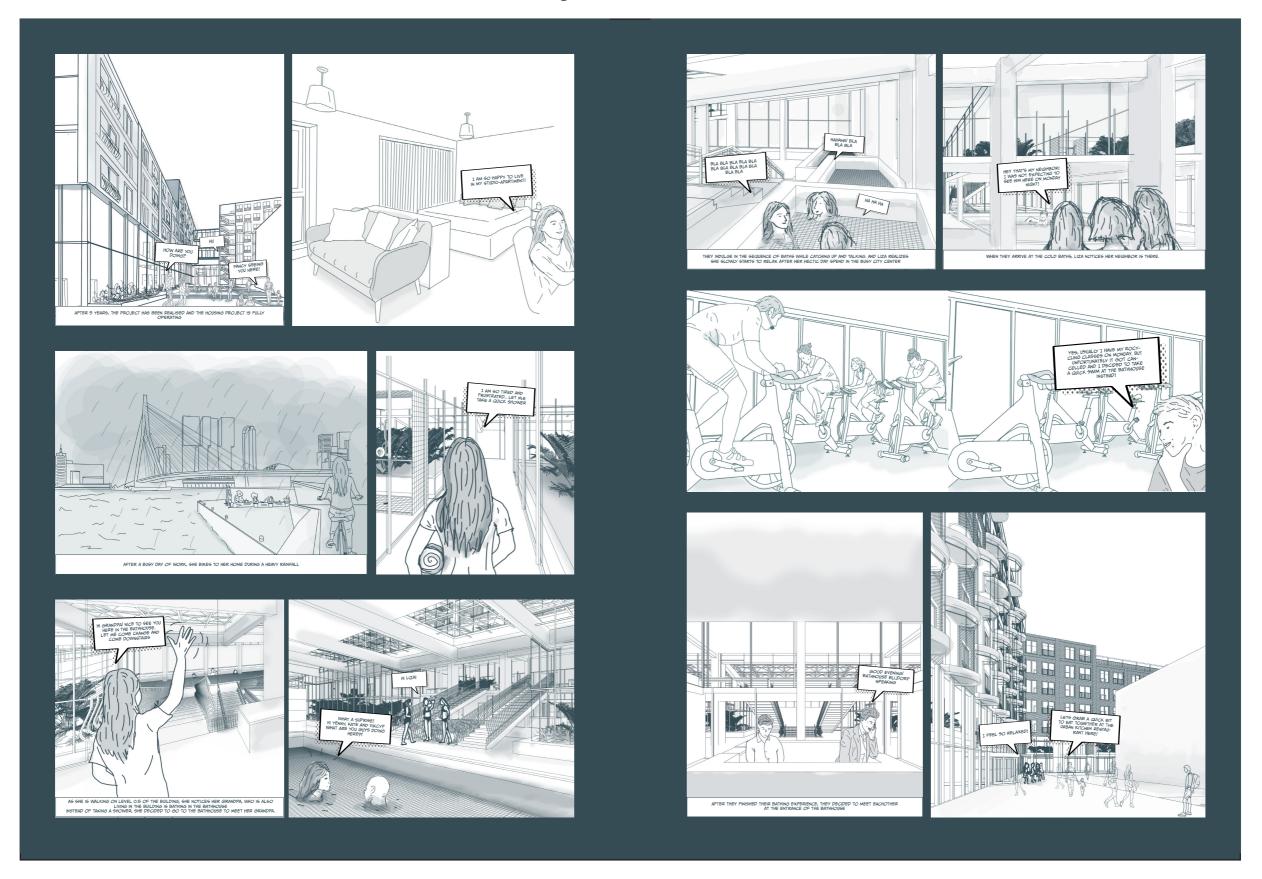
graphic novel (recap)



graphic novel (recap)



living in BIND BY WATER



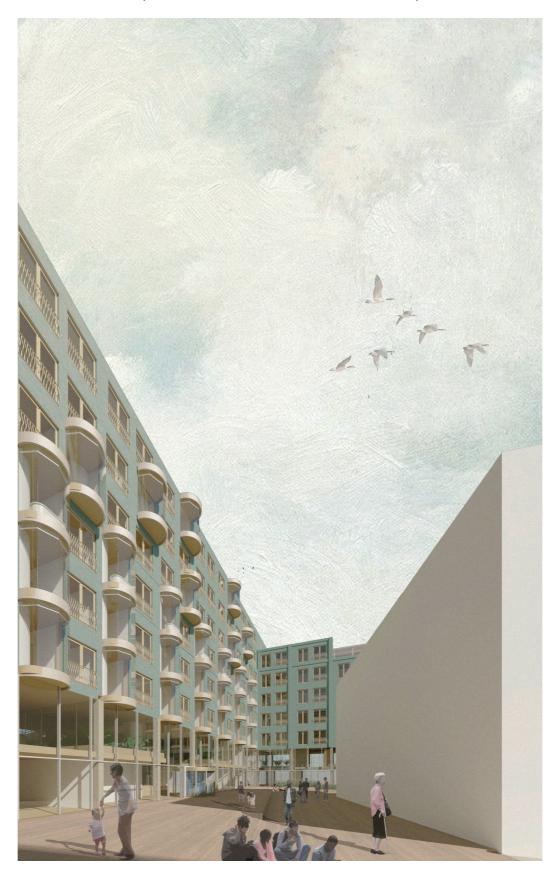
BIND BY WATER

impression exterior + landscape



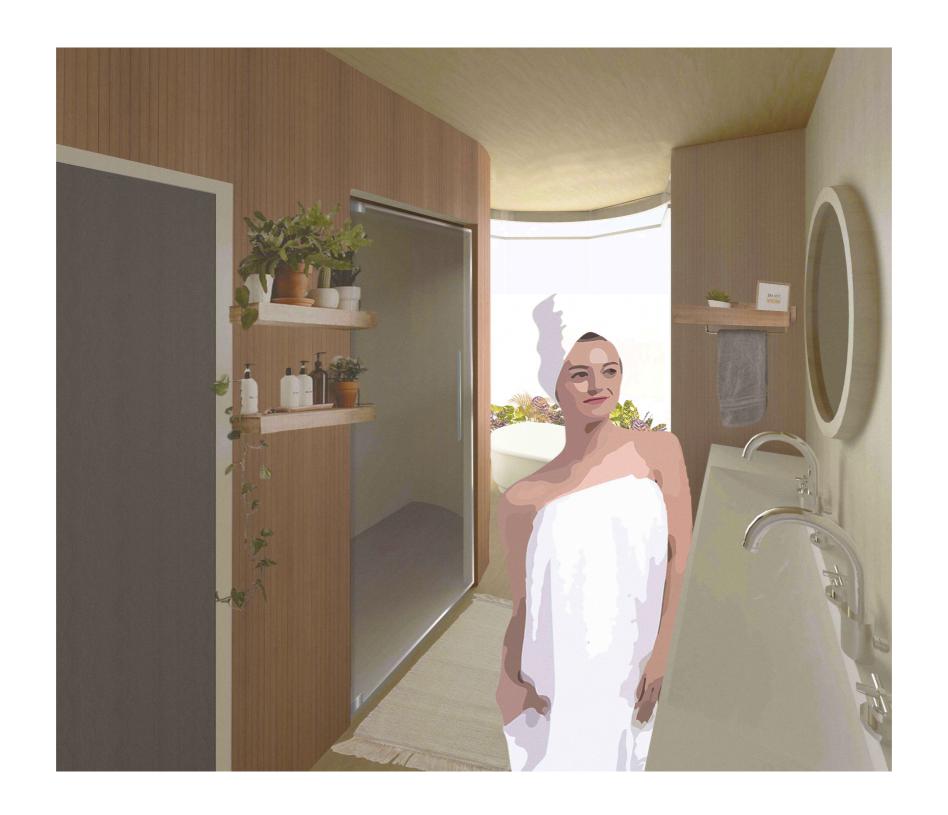
BIND BY WATER

impression north facade + landscape





BIND BY WATER impression extravagent bathroom



gallery / space for social encounter

