

Making a[nd] Living

Crafting resilient neighbourhoods through urban manufacturing





Feijenoord

Rotterdam

Loneliness

22%

14%

Economic independence

47%

66%

Labor force participation

54%

65%

“practically” educated

81%

67%

Source: onderzoek010

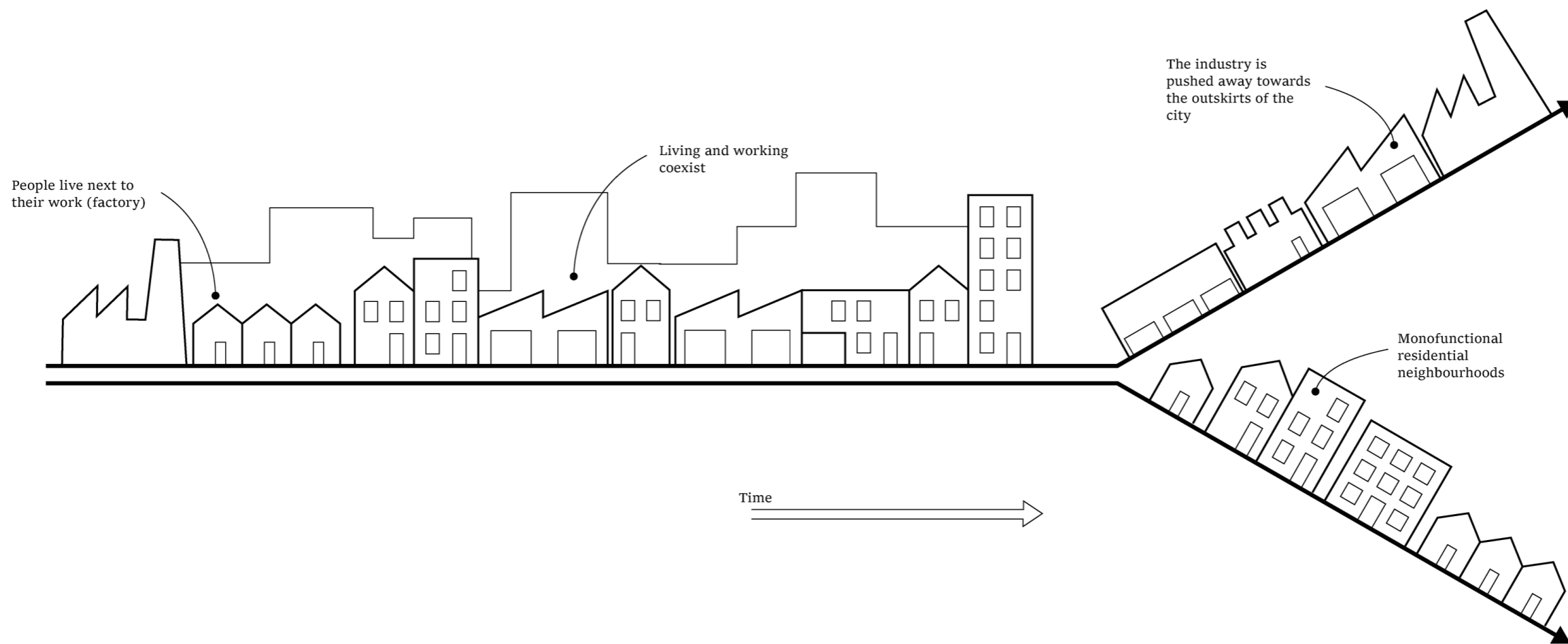
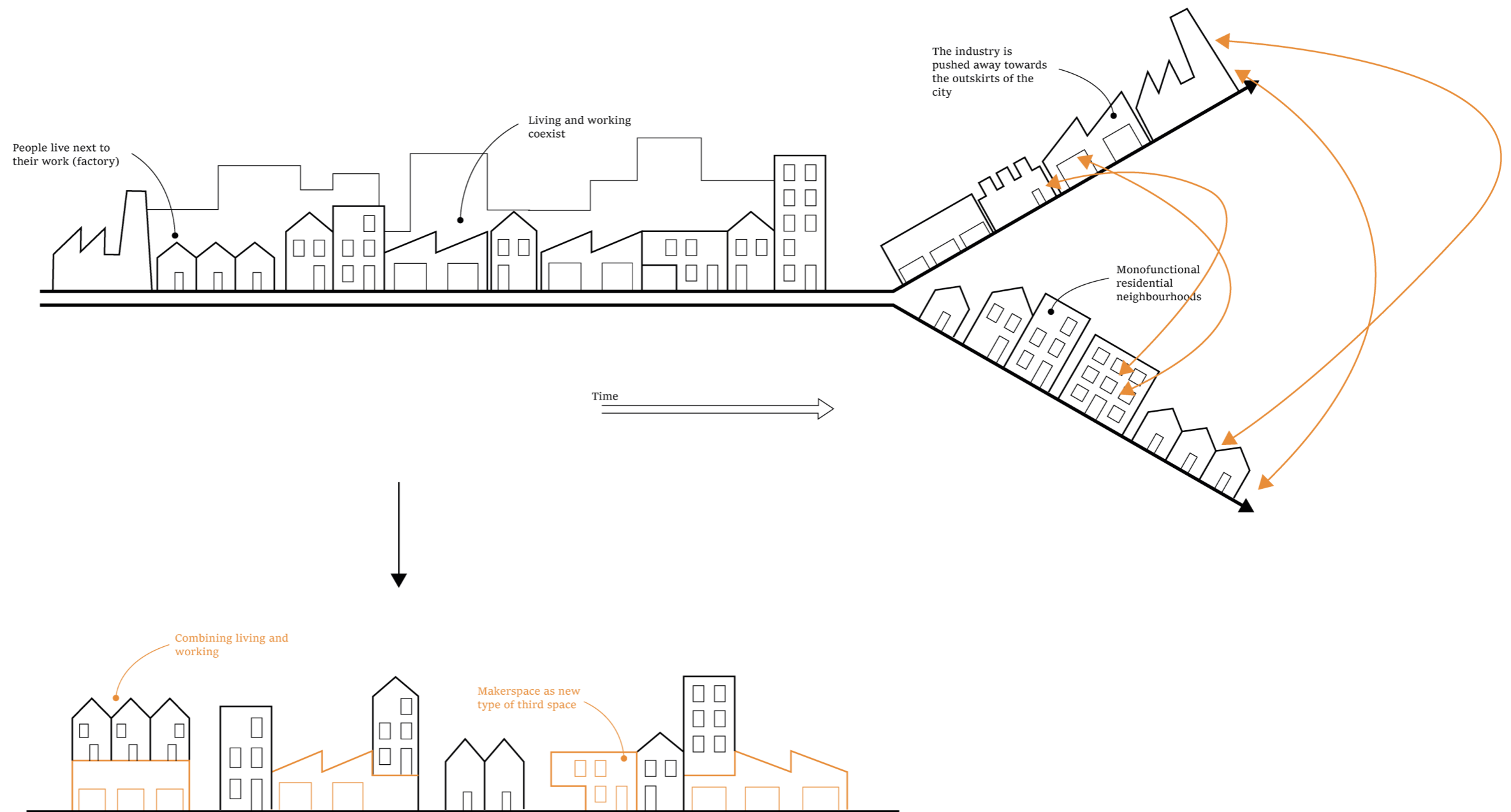


Image based on Borra & Urhahn, 2020

“Most people living in the neighbourhood carry out their daily routines within a 400-meter radius.”



Towards a multifunctional neighbourhood



Source: Rijksmuseum

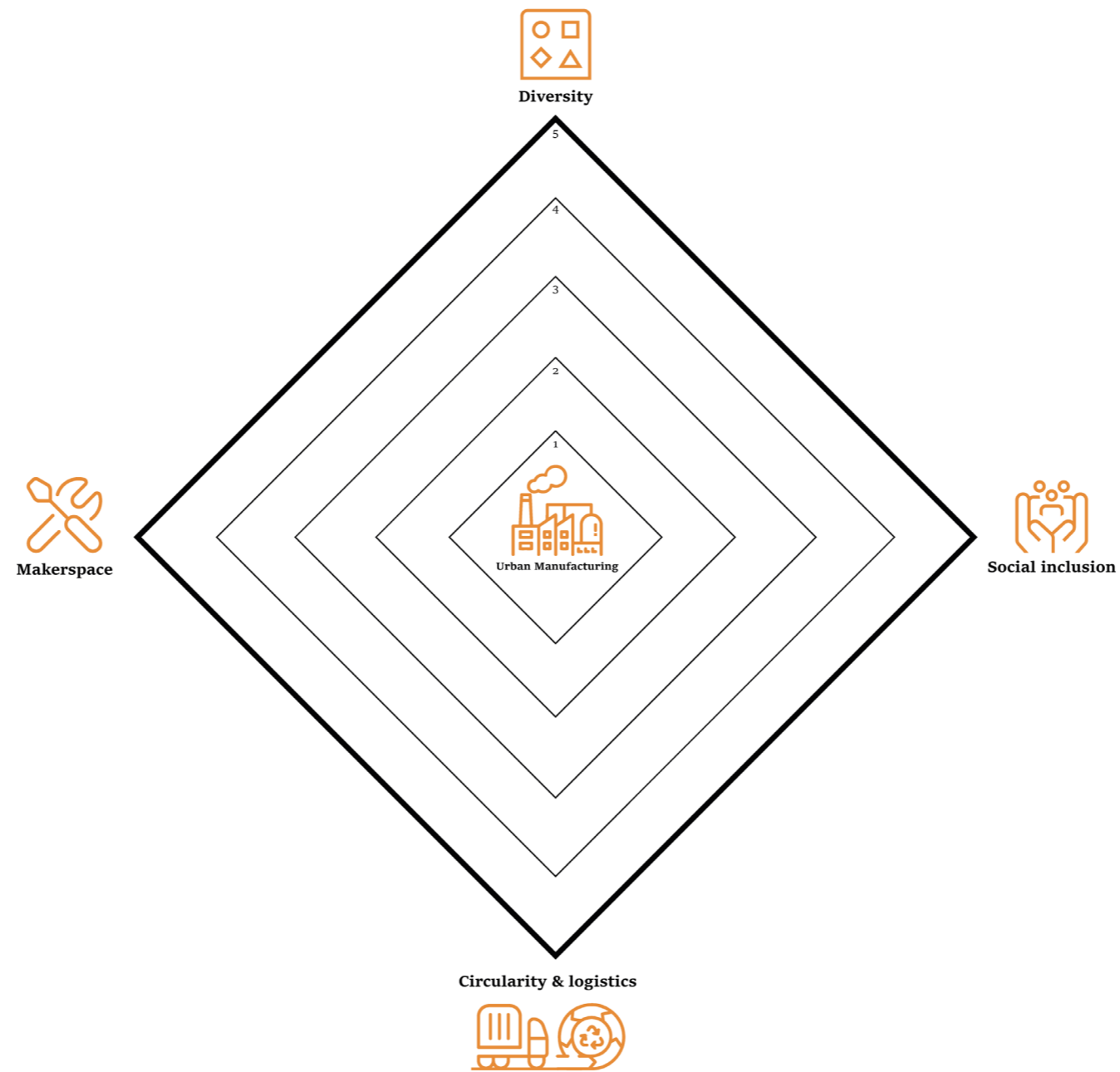
“A Weaver’s Workshop”, by Johannes van Oudenrogge



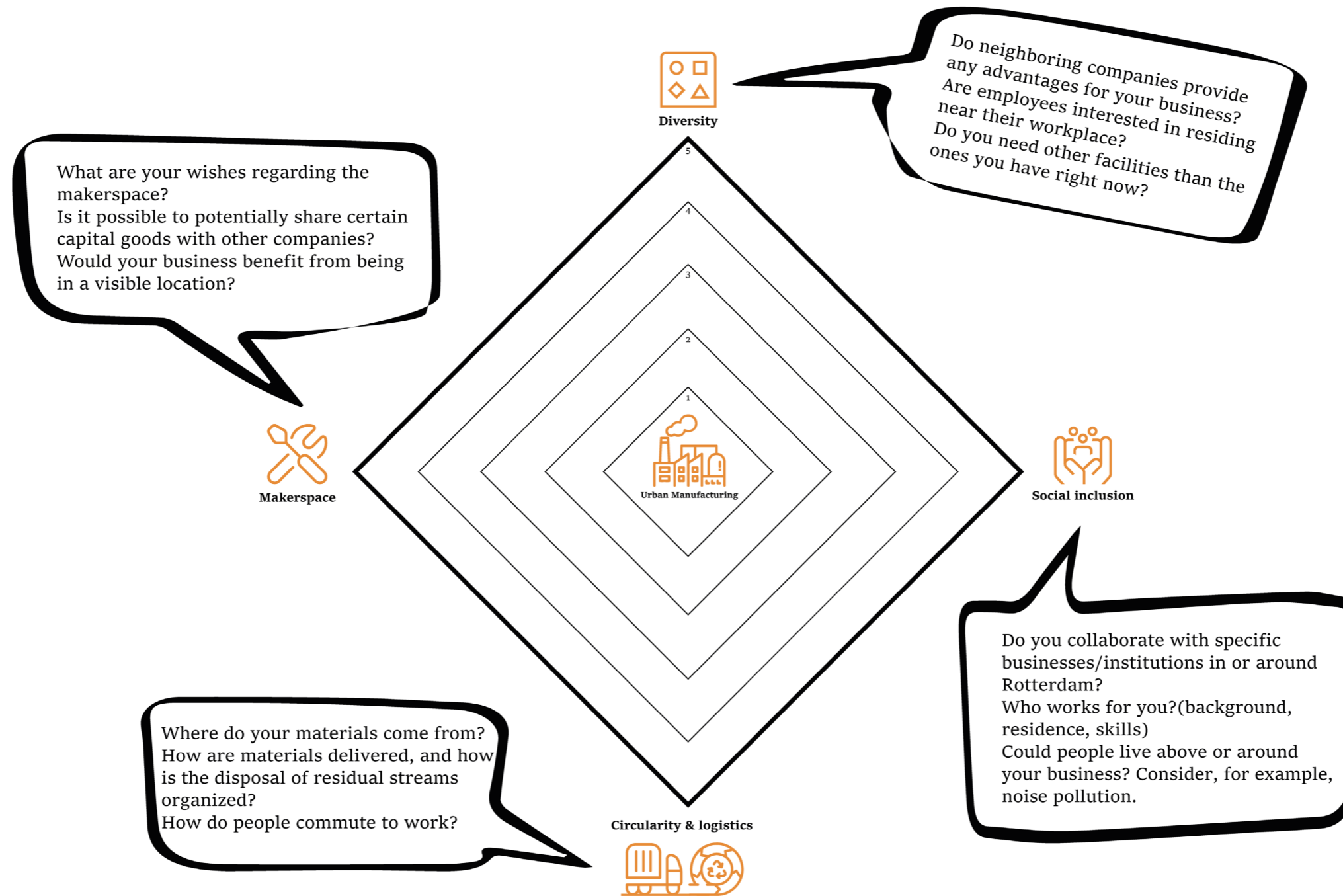
Source: The City at Eye Level, 2016

Japanese Machiya, live/work house

“How can we combine housing and urban manufacturing, to enhance social resilience in residential neighbourhoods?”



The four pillars of succesful urban manufacturing





Feijenoord



Image based on Cultuurhistorische verkenning Feijenoord, 2010



New residential developments



Source: Feyenoord City



Source: Feijenoord City



Source: Feyenoord City

WEAR, sneaker cleaning



Source: Feyenoord City

The value of my life is defined by the difference I make in the lives of others.



sewing studio & package delivering

If you start doing something like this somewhere outside the city, 90% of the people who work here just drop out.



sewing studio

The Nike Air Max drew inspiration from the daring inside-out architecture of Centre Pompidou, we should rethink storage spaces with a similar innovative mindset.



sneaker cleaning and retailer

There is a great lack of understanding each other's cultural background, this is a problem in a multicultural context like the Netherlands.



mosaic art studio

In five years, we have the potential to annually save the municipality €2 million in benefits.

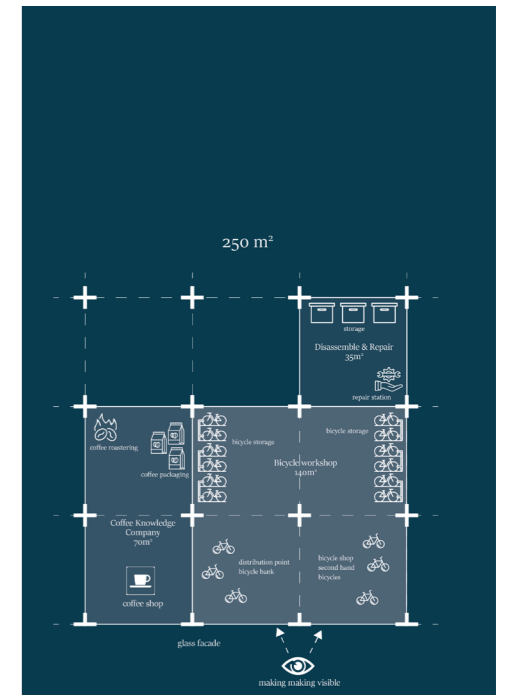
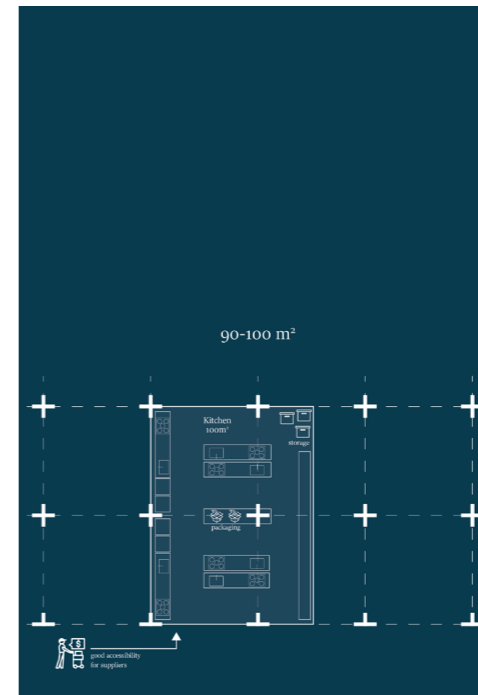
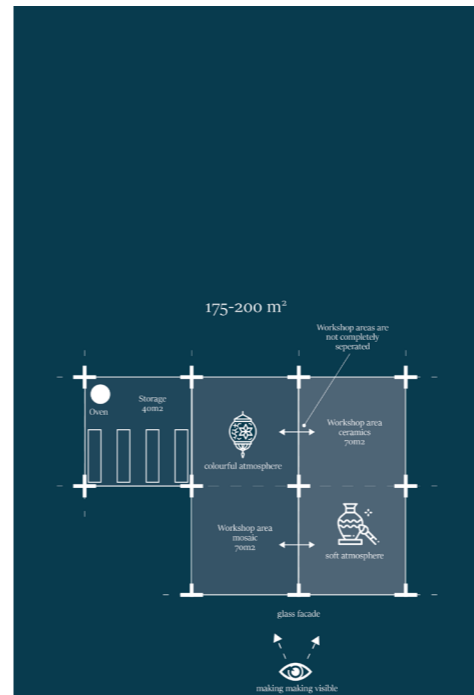
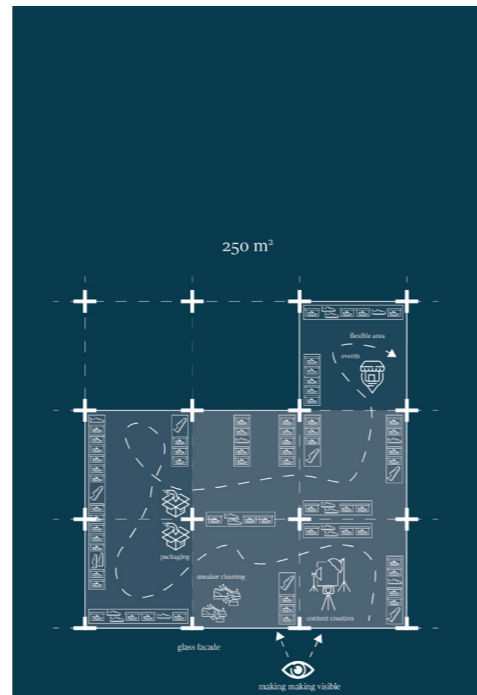
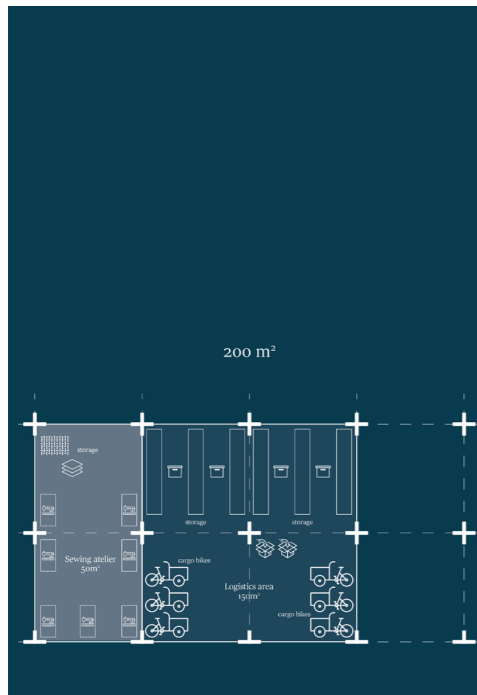


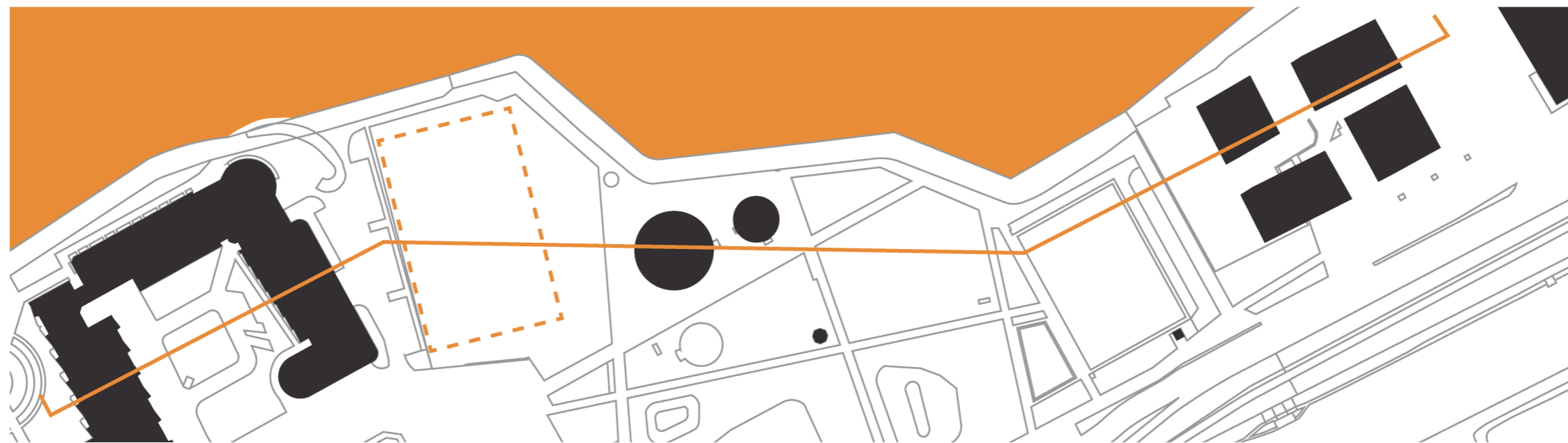
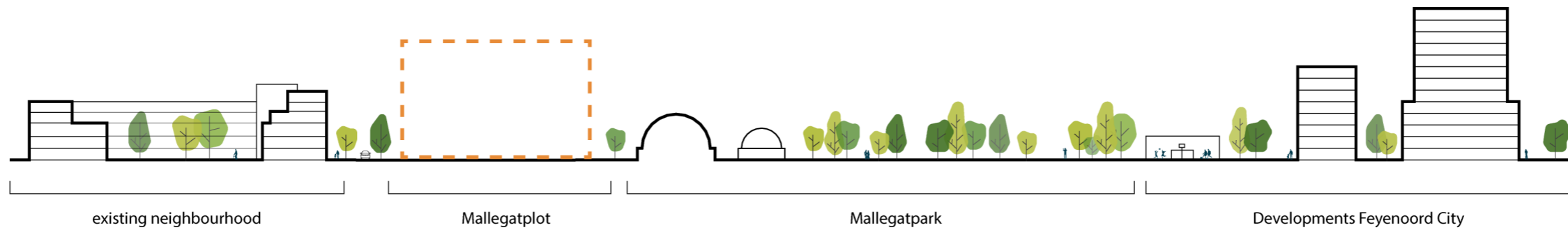
lunch catering

Most people living in the neighbourhood carry out their daily routines within a 500-meter radius. For a company to effectively engage with these individuals, it's crucial to be located within the neighbourhood.

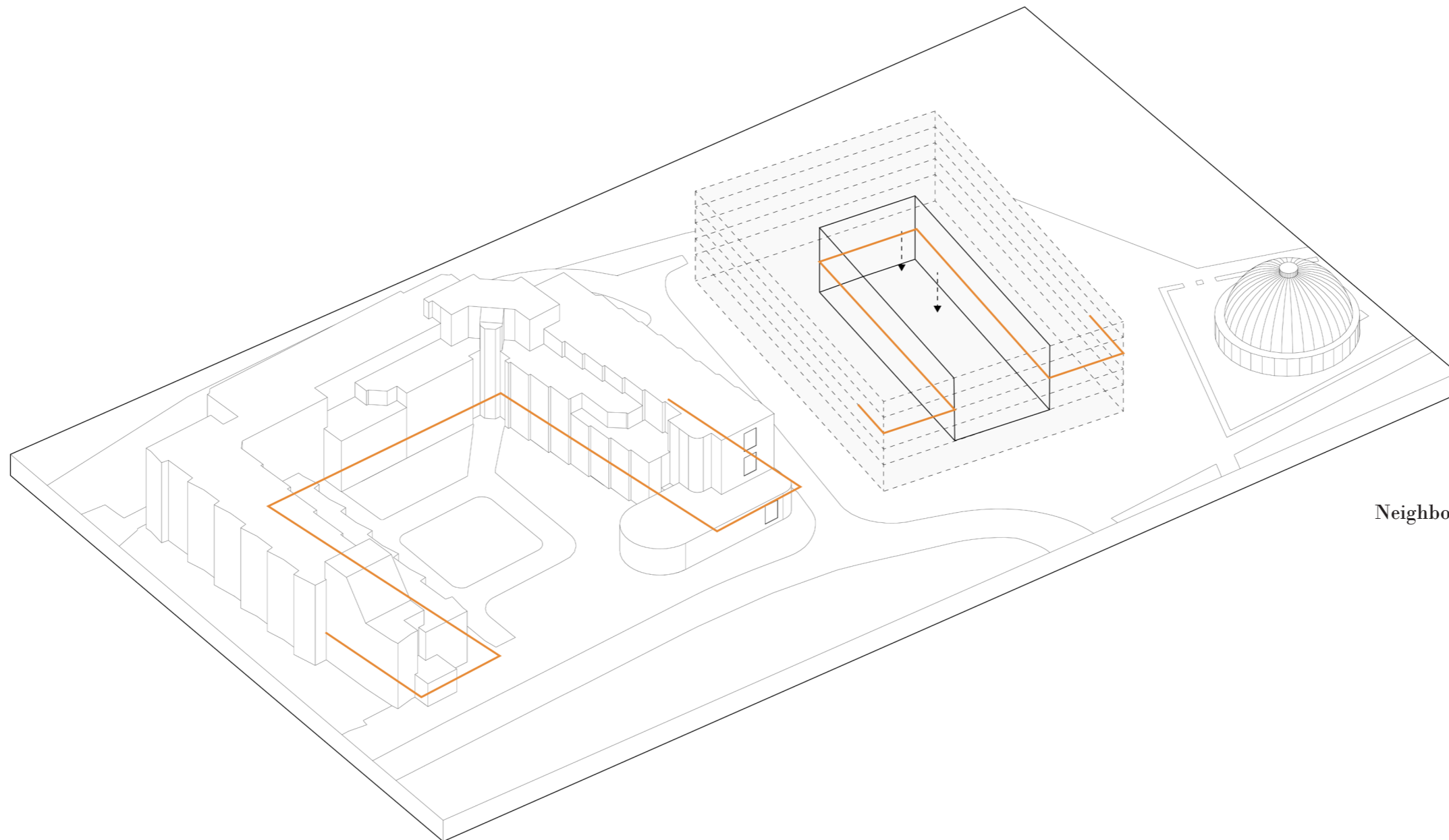


bike repair & coffee company



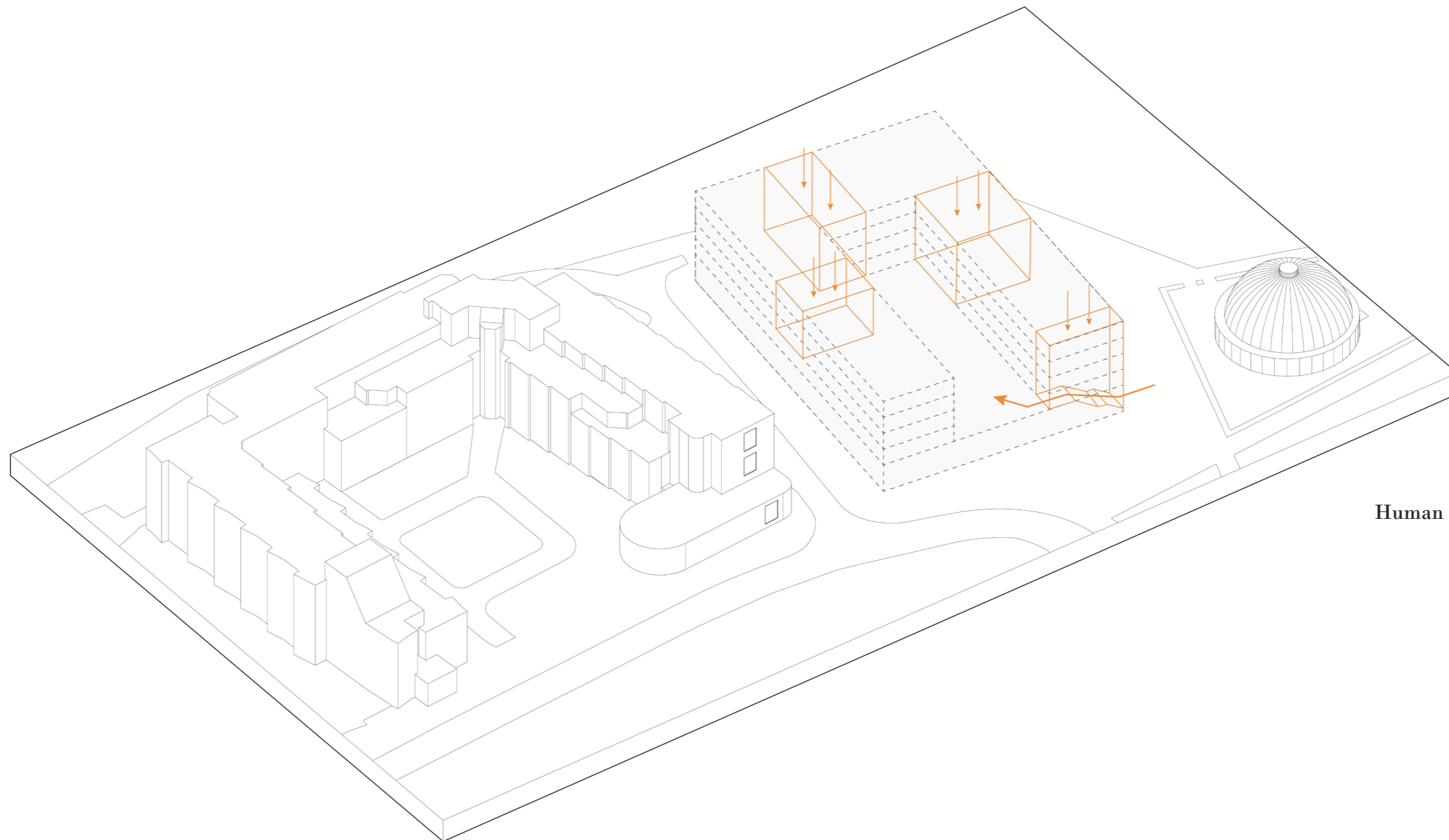


Mallegatpark



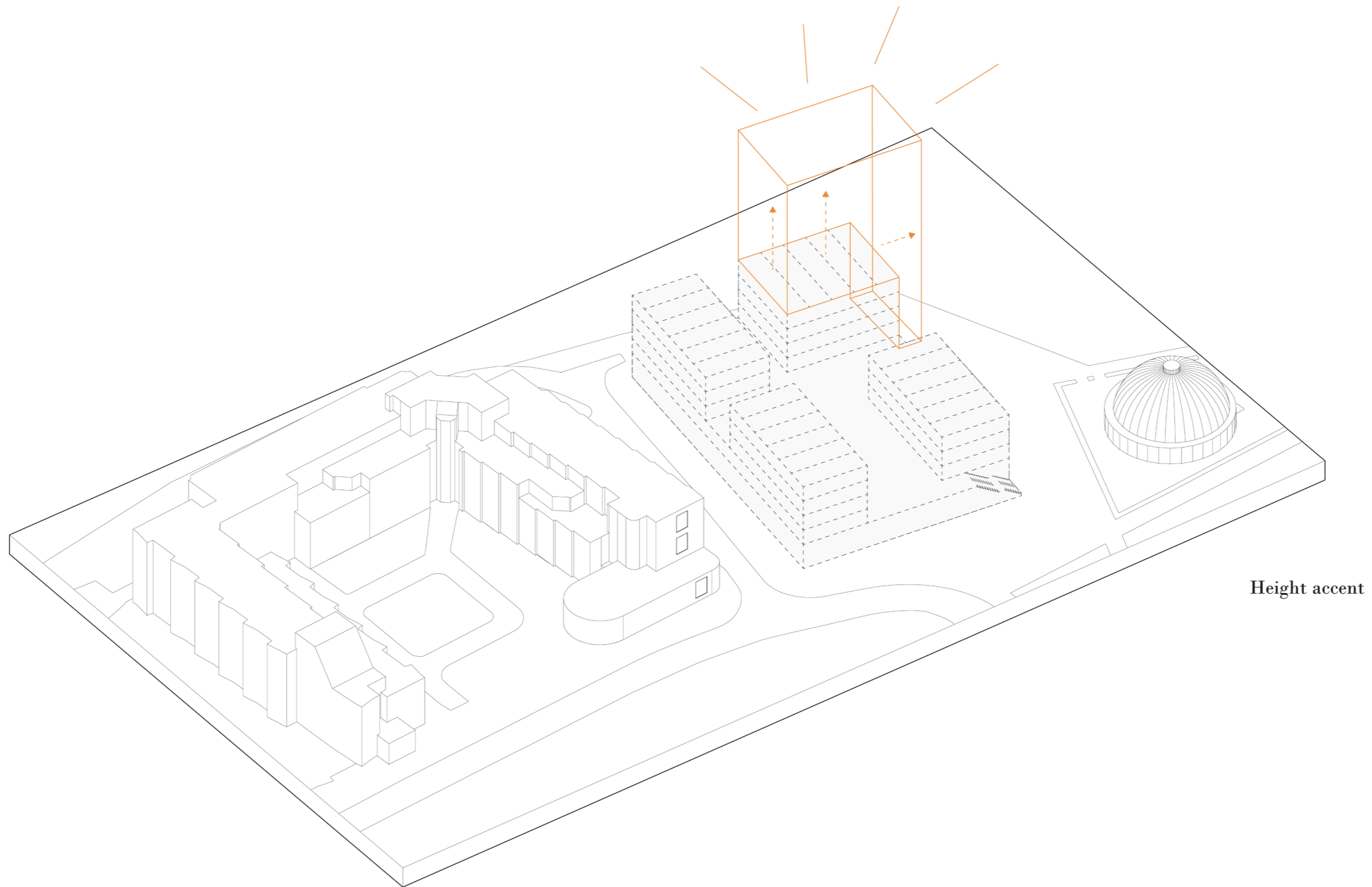
Neighbourhood

Volume build-up



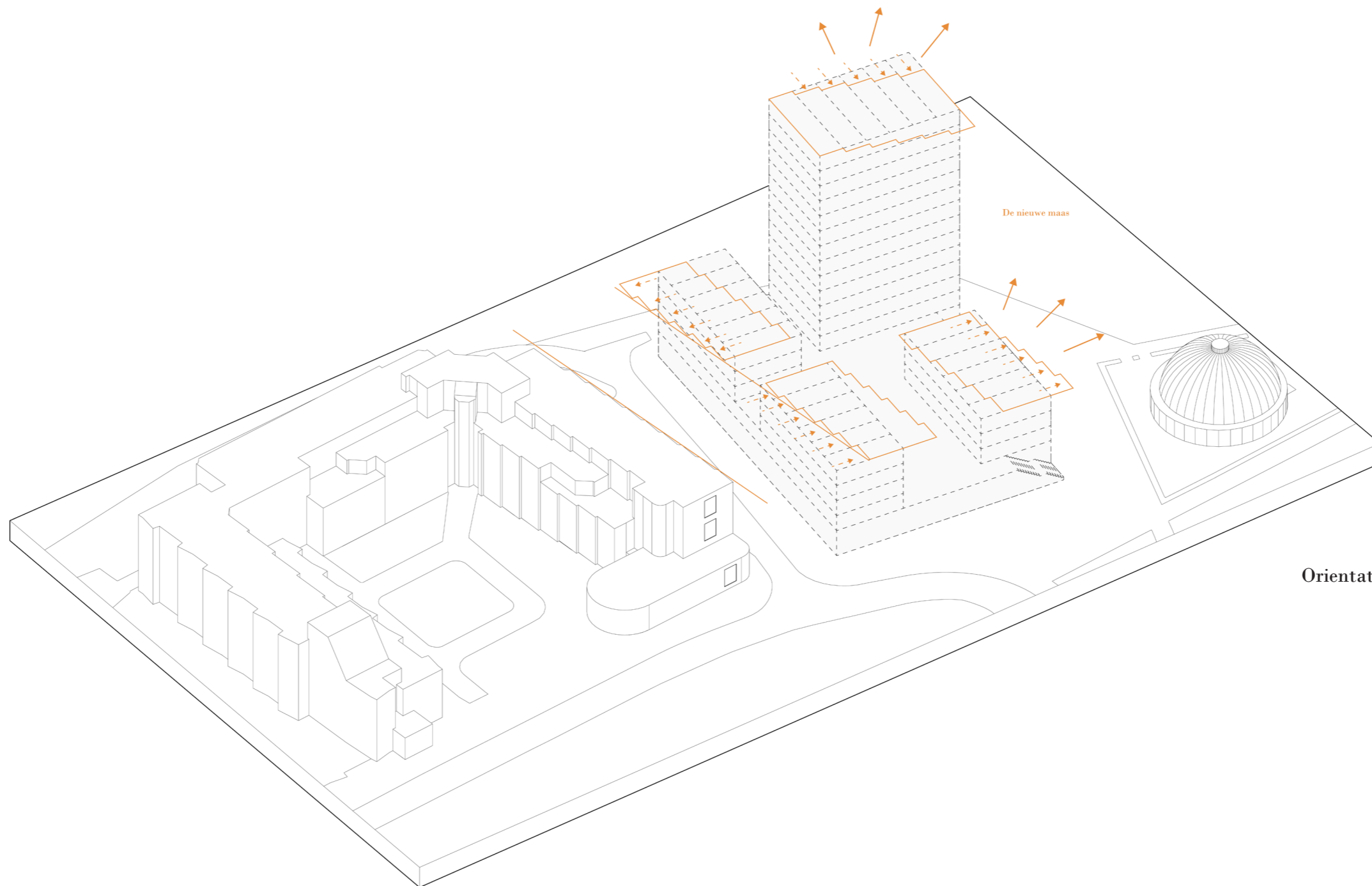
Human scale

Volume build-up



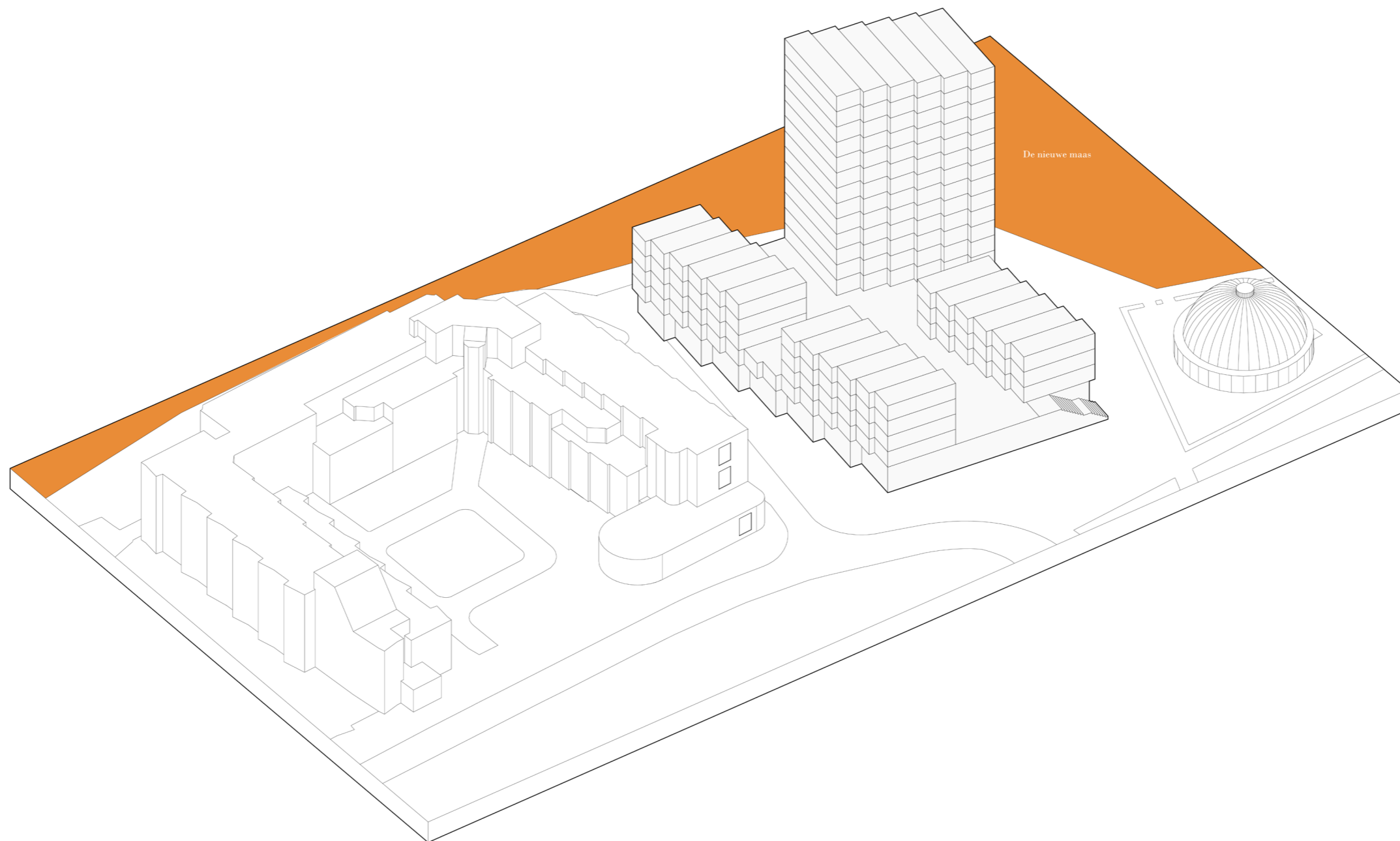
Height accent

Volume build-up



Orientation

Volume build-up



Volume build-up

24/7 Living: Blending Home and Work in Time and Space

24/7 Living: Blending Home and Work in Time and Space

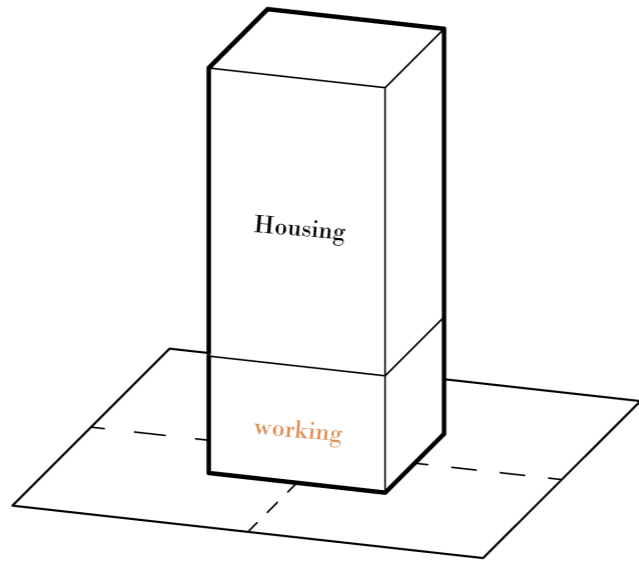
Building Social Connections Through Work

Blending Home and Work in Time and Space

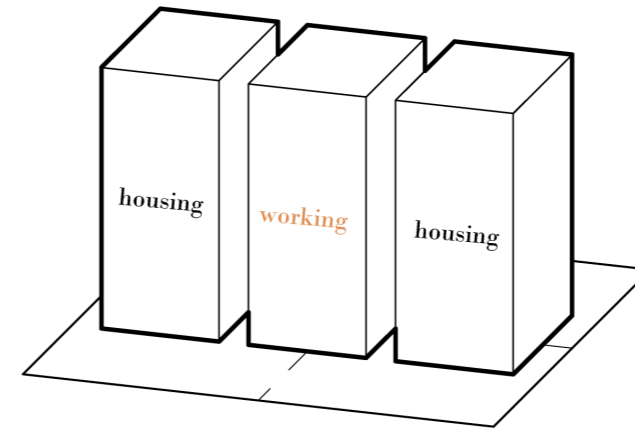
Building Social Connections Through Work

Urban manufacturing for the city

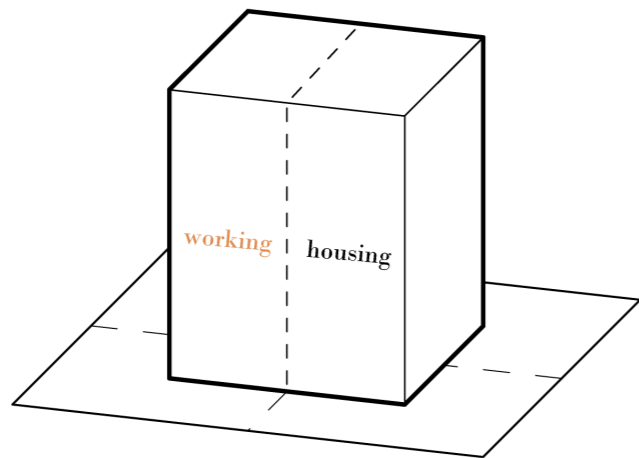
1. Blending home and work in time and space



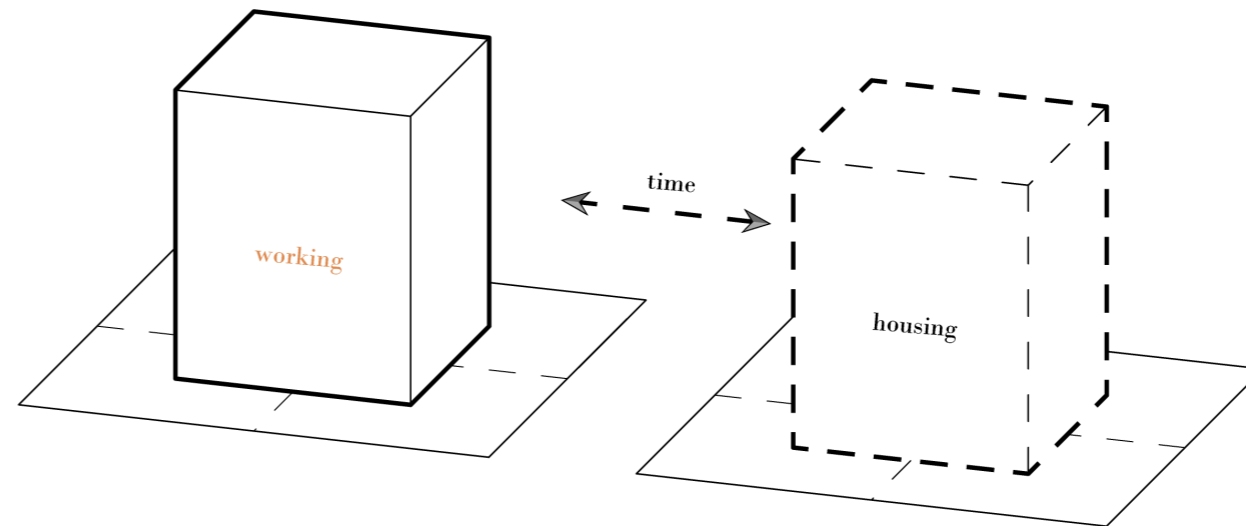
Vertical



Horizontal

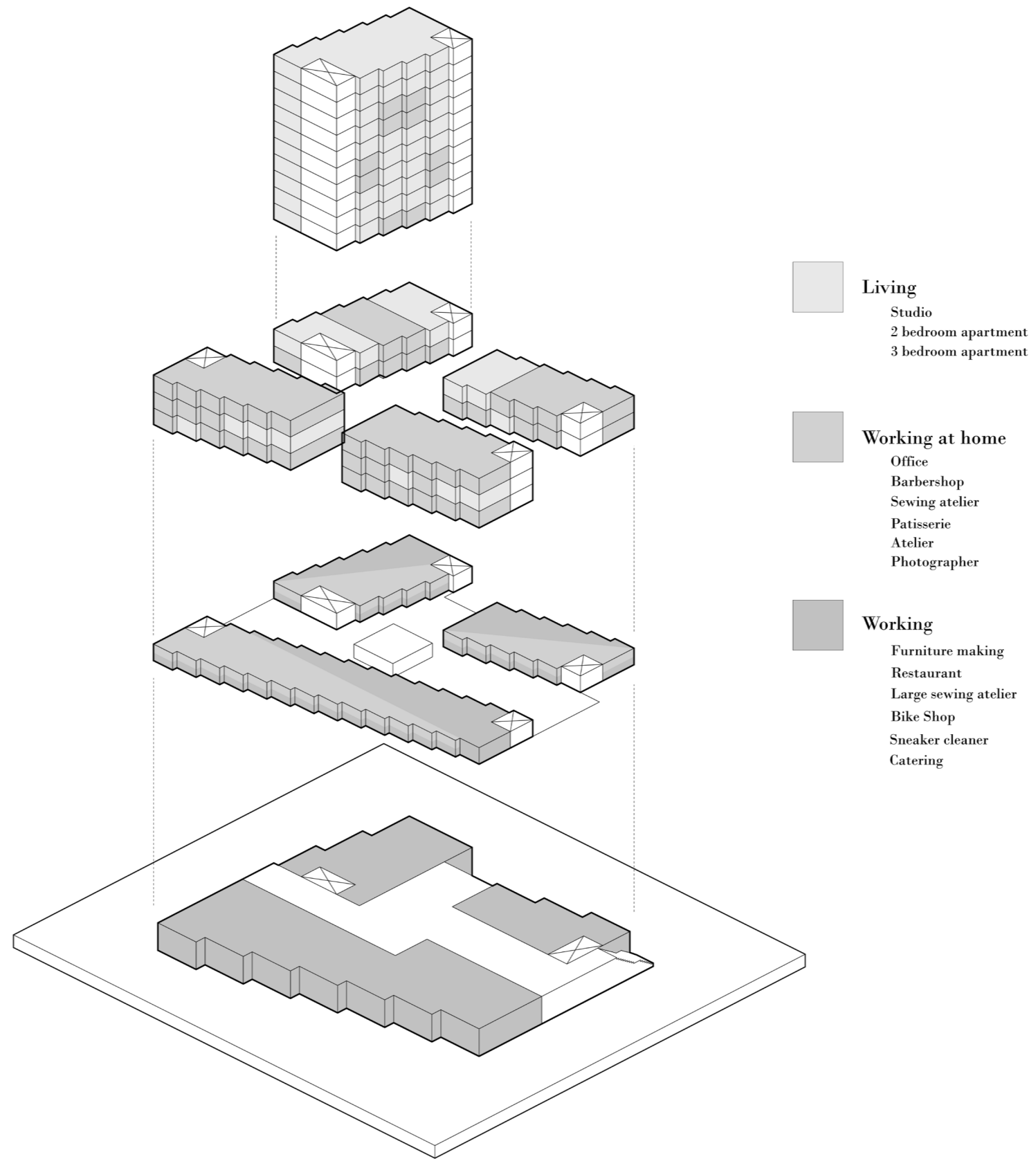


Shared

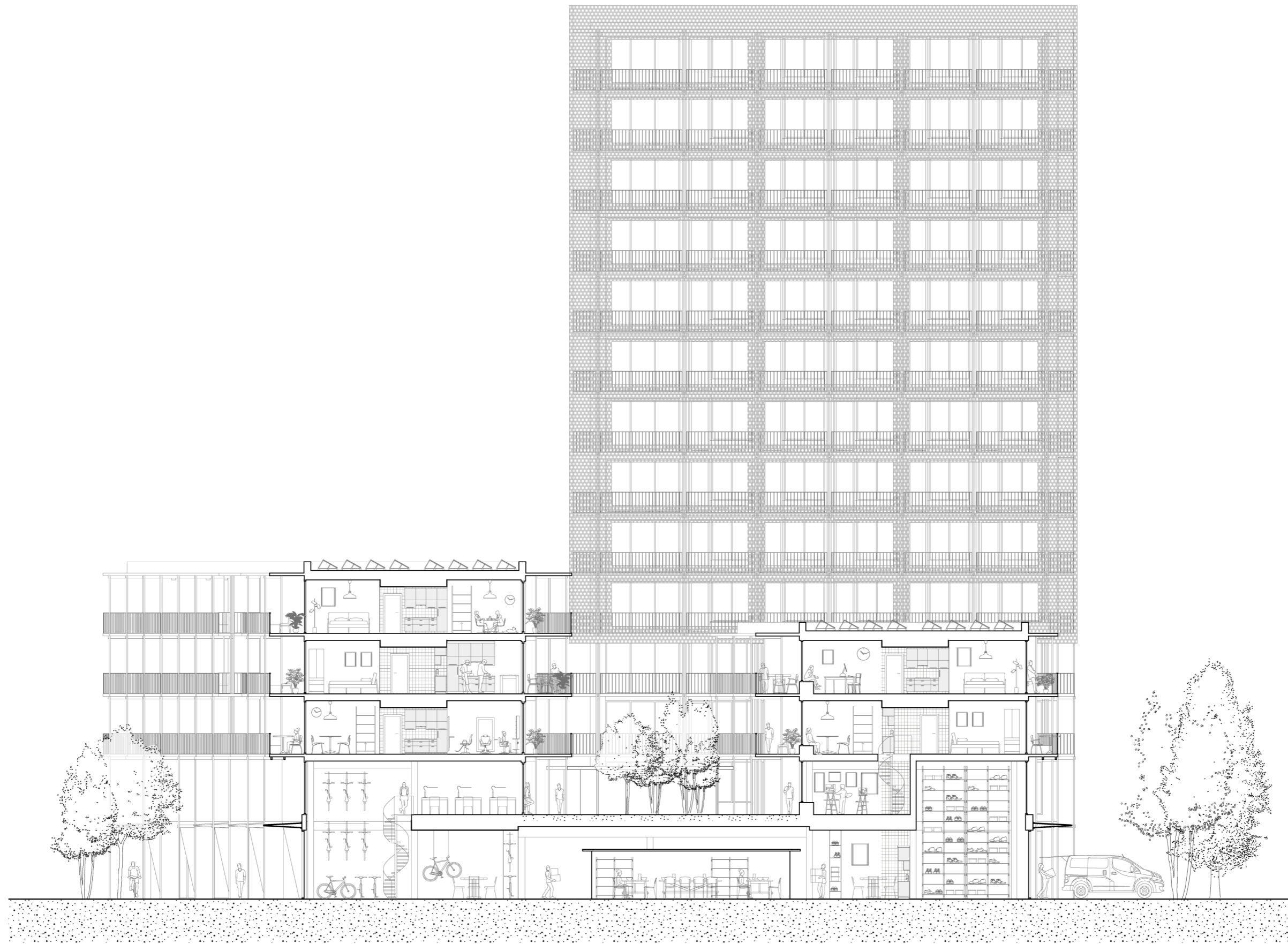


Time

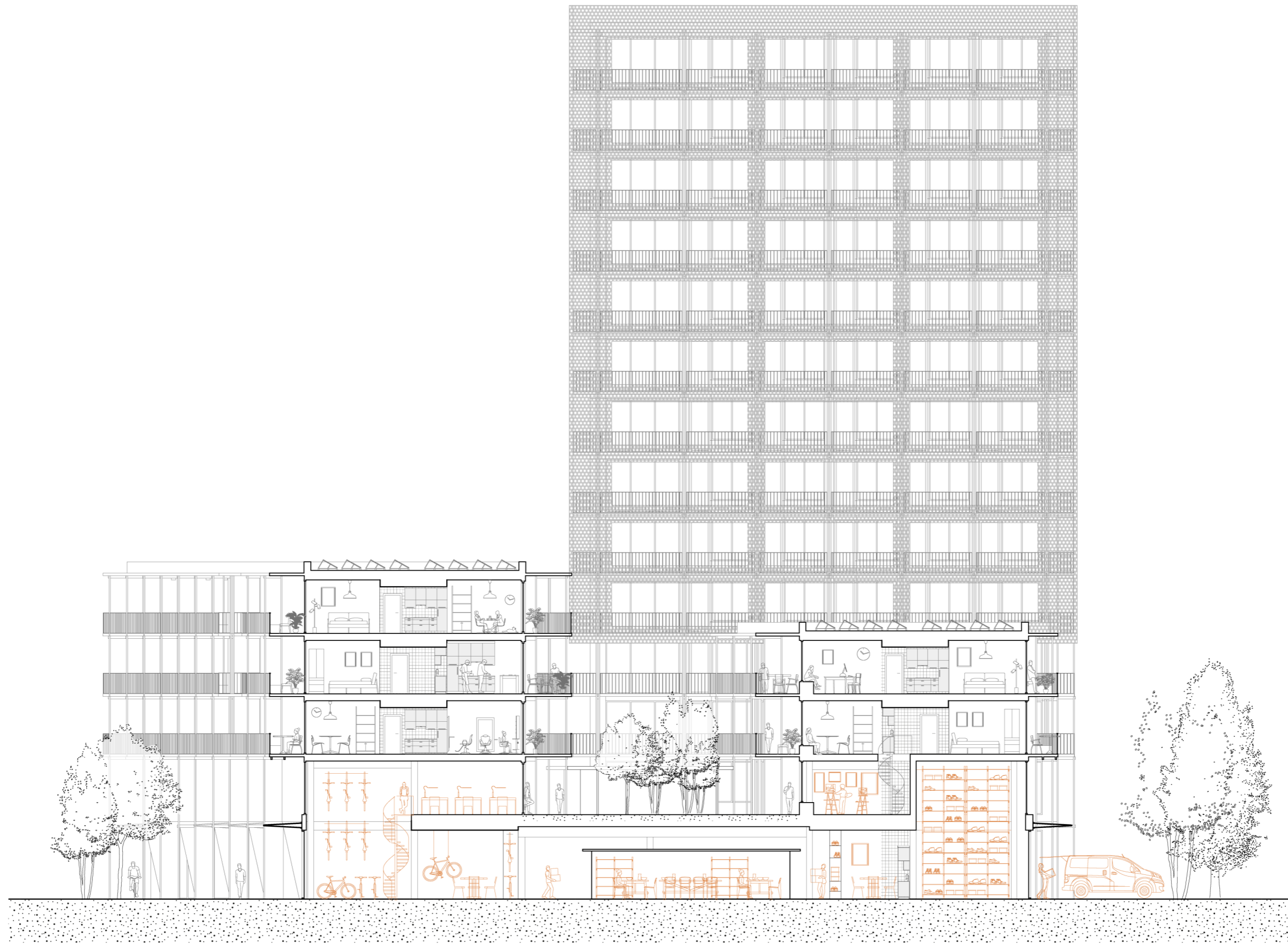
Based on Hoppenbrouwer & Louw, 2007



Program - Blending home and work



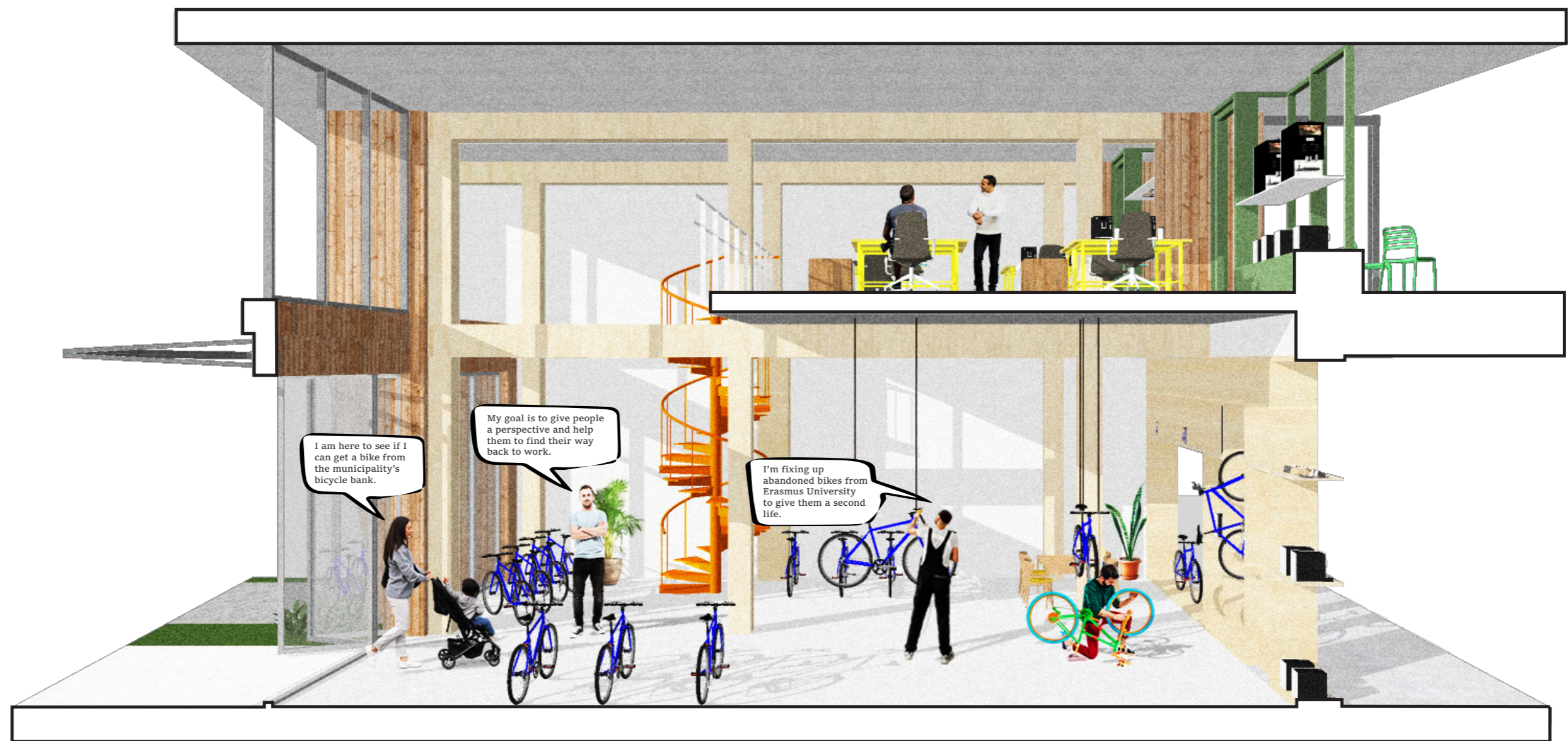
The vertical dimension - Plinth



The vertical dimension - Plinth



The vertical dimension - Plinth



The vertical dimension - Plinth



The horizontal dimension - Live/work gallery



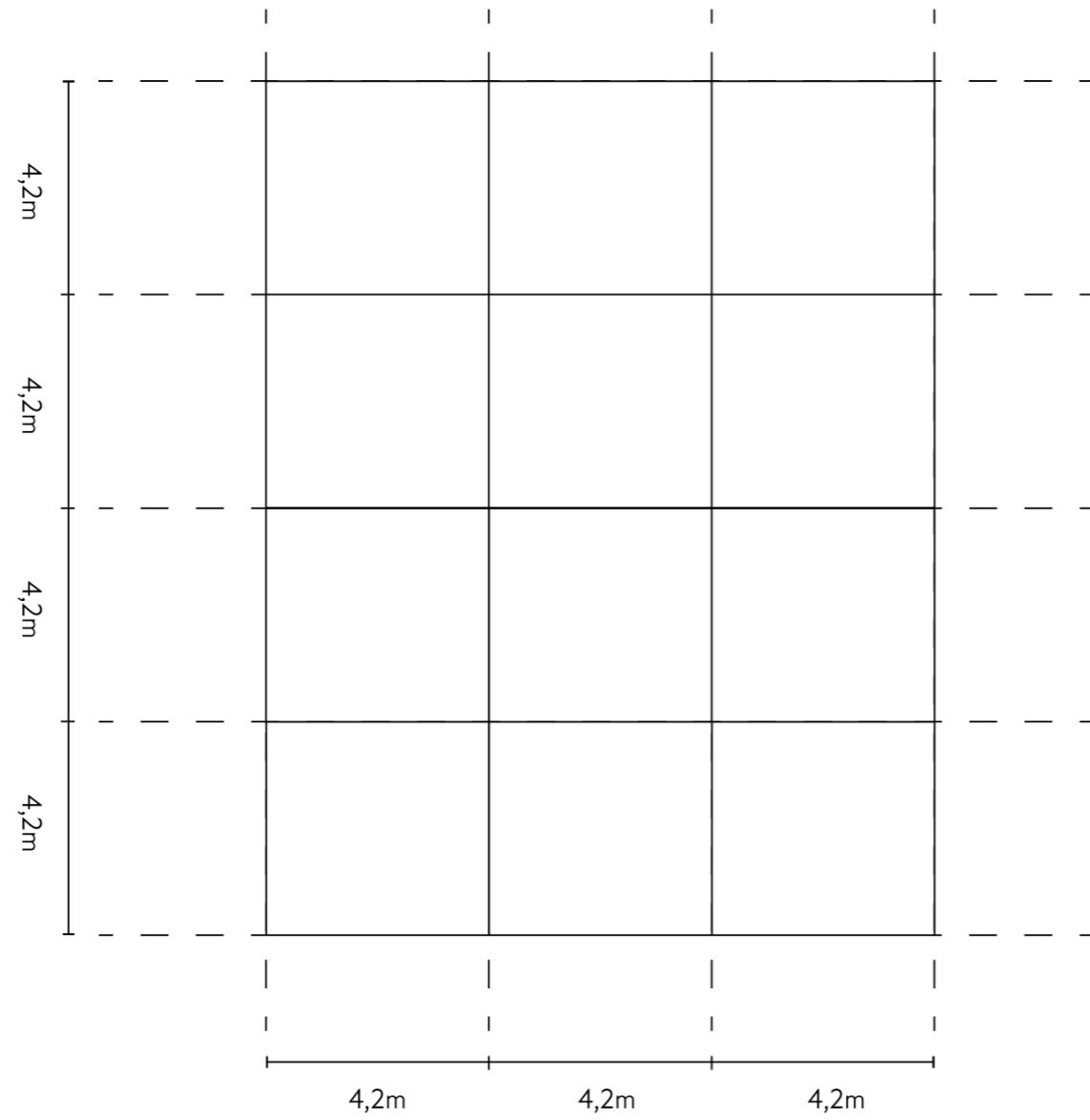
The horizontal dimension - Live/work gallery



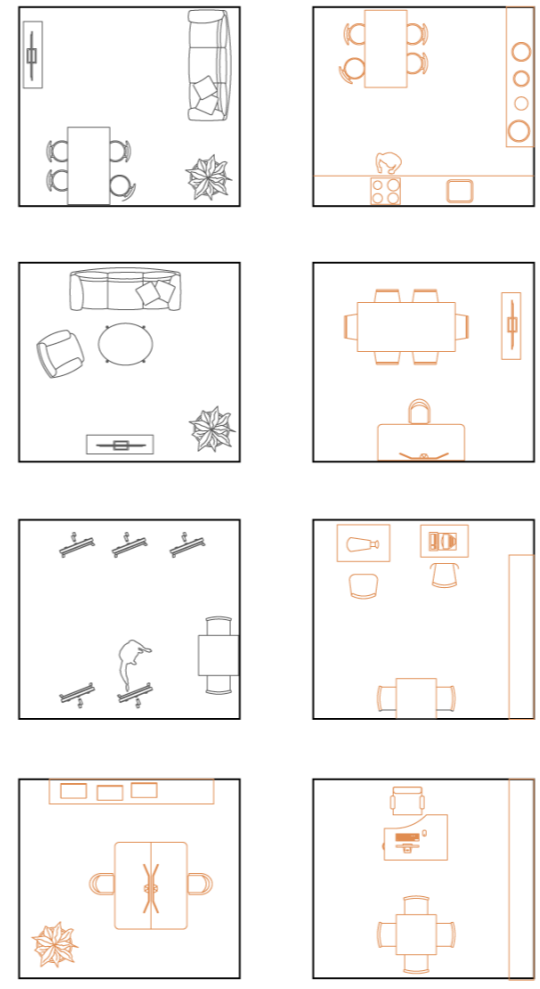
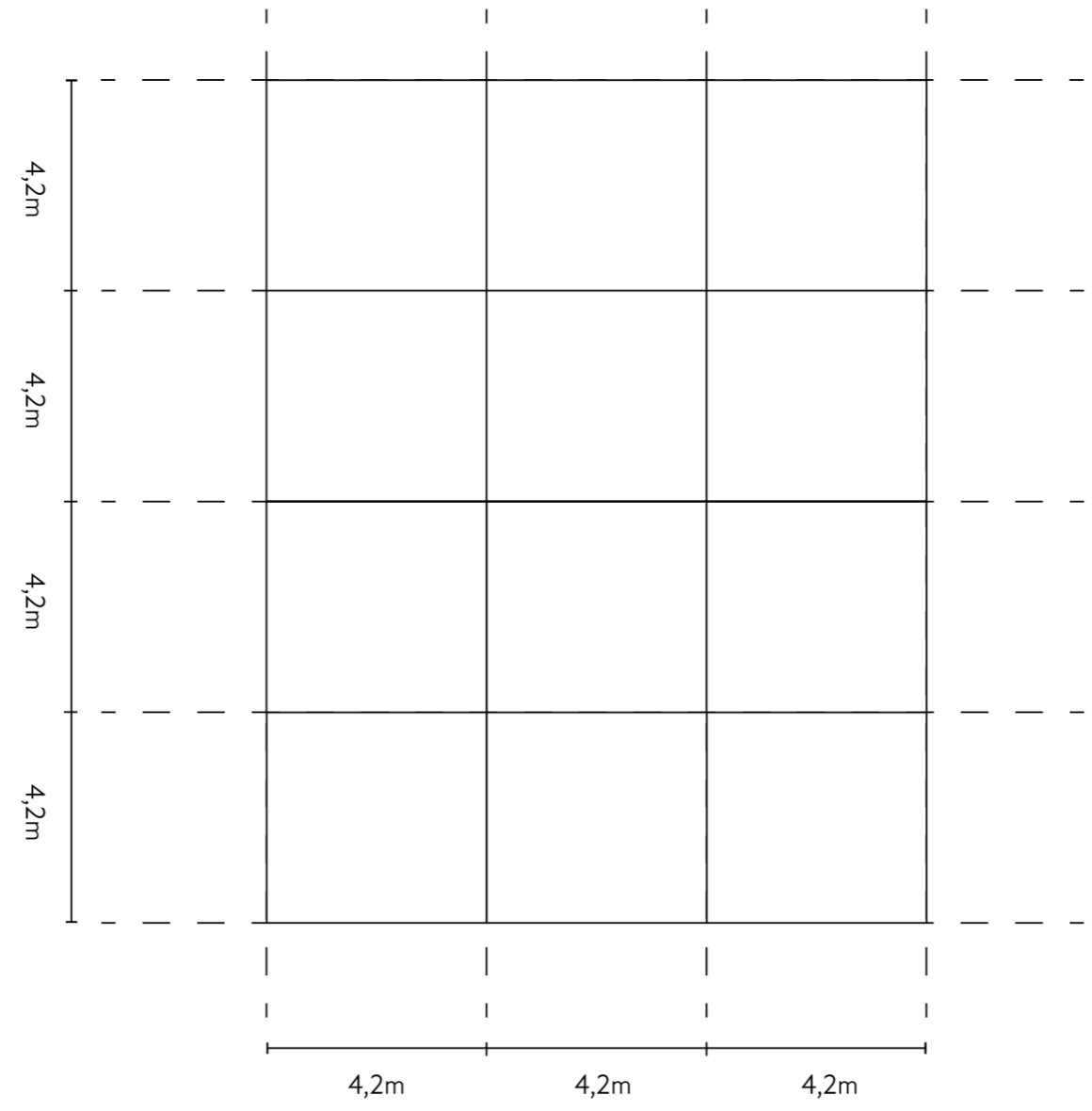
The horizontal dimension - Live/work gallery



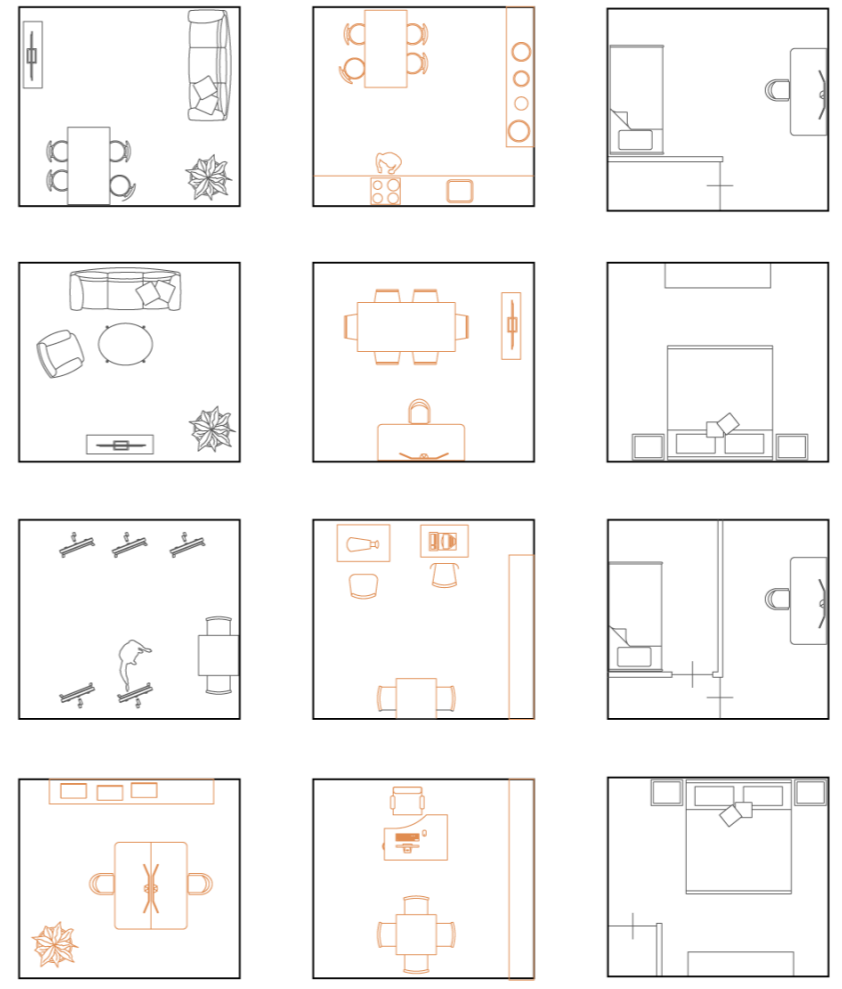
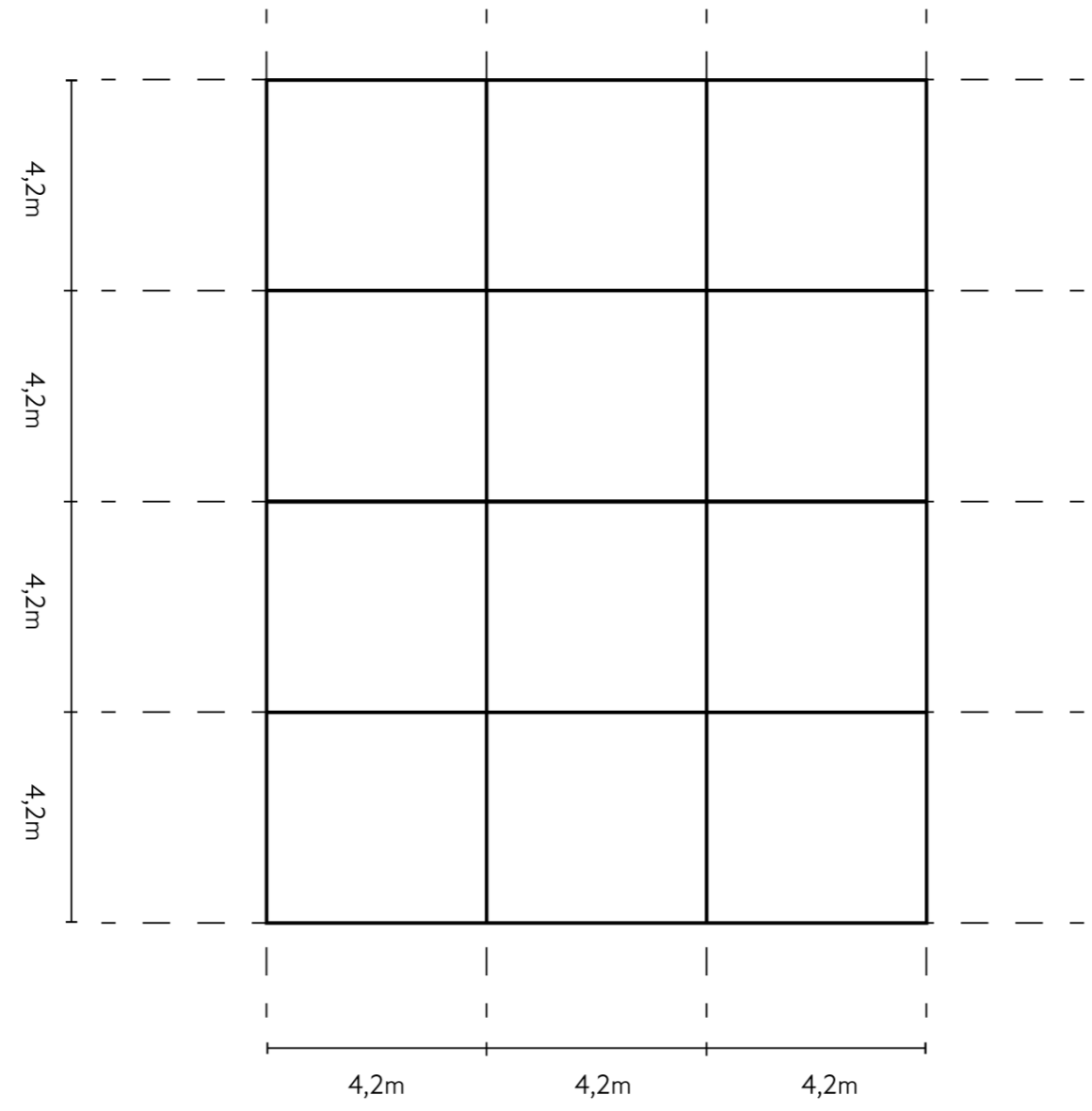
The horizontal dimension - Live/work gallery



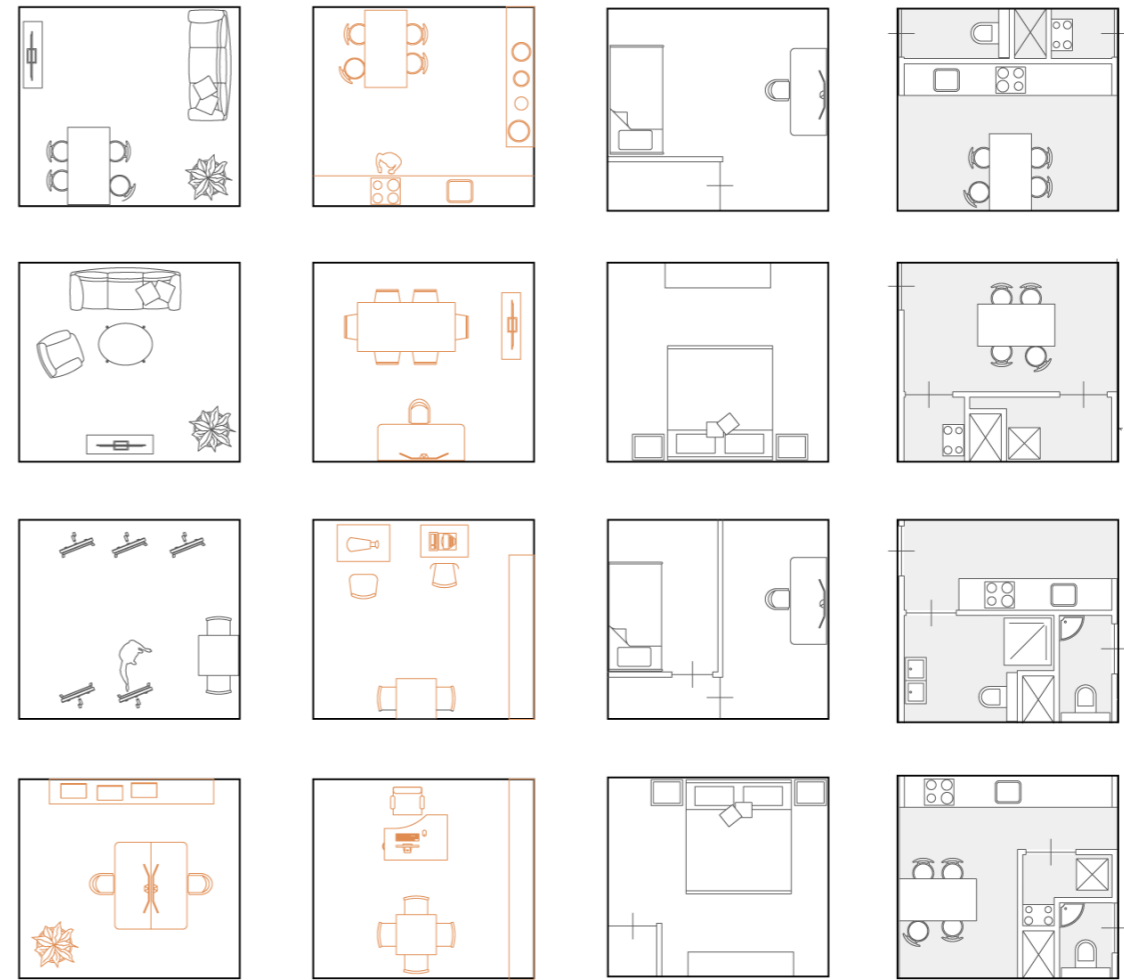
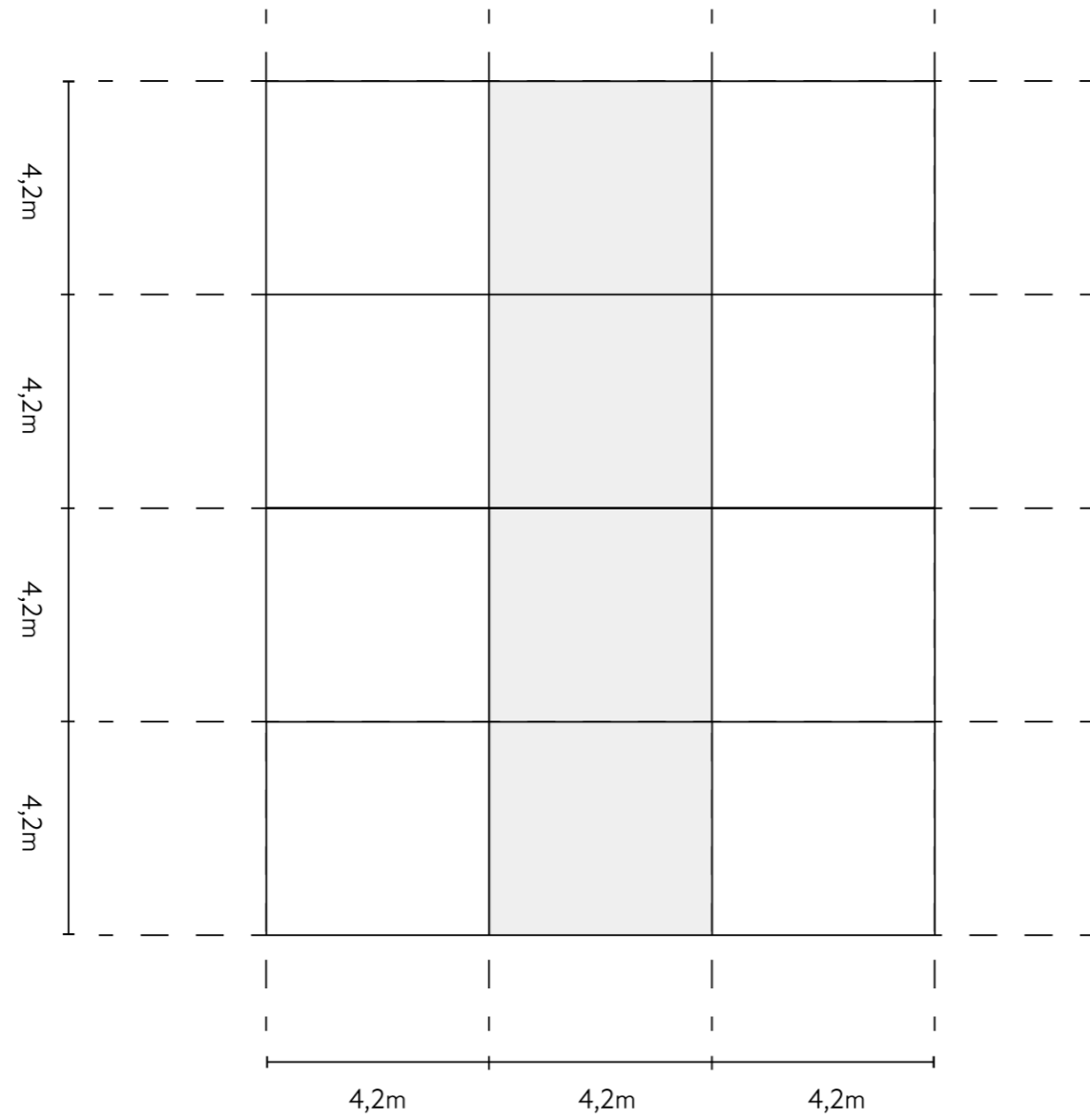
The shared dimension - work/live apartments



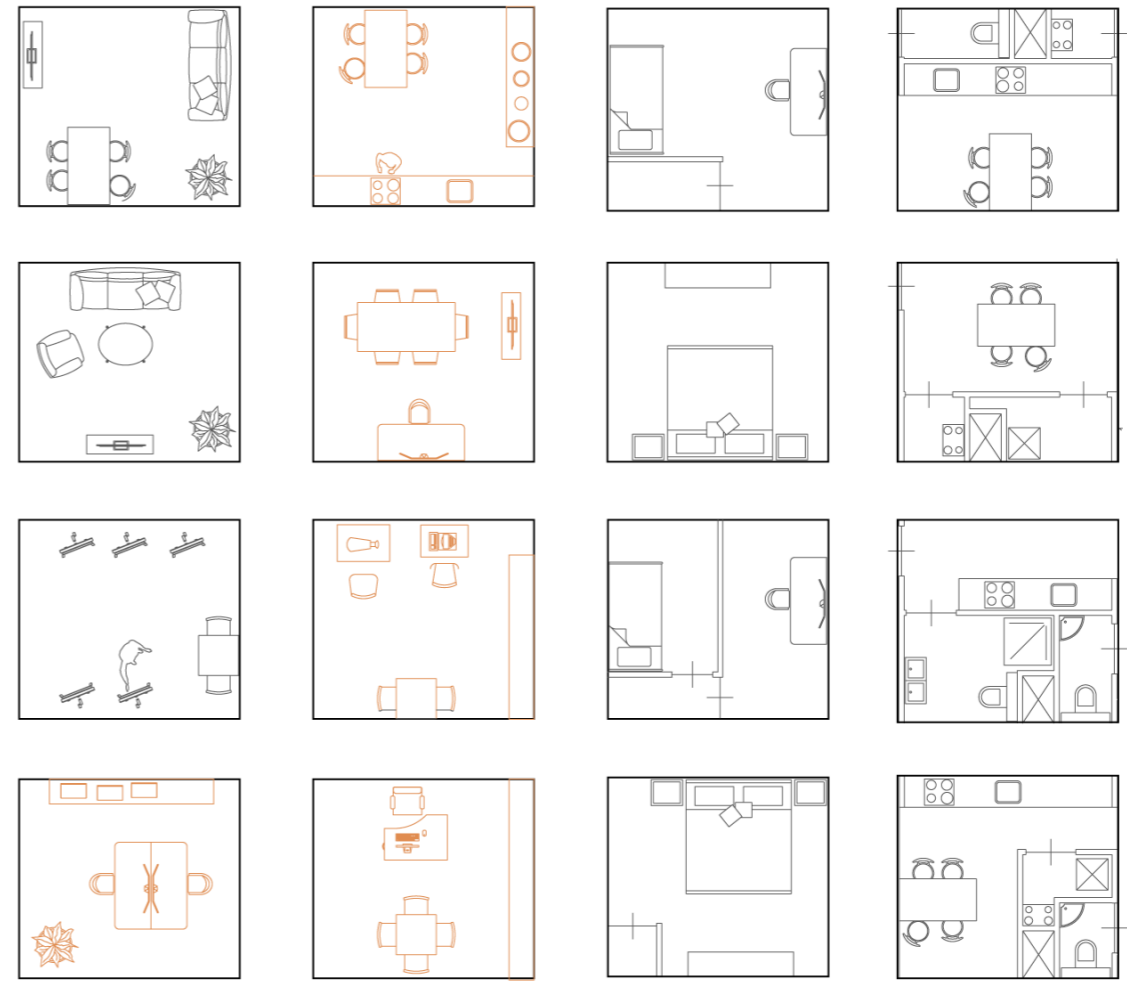
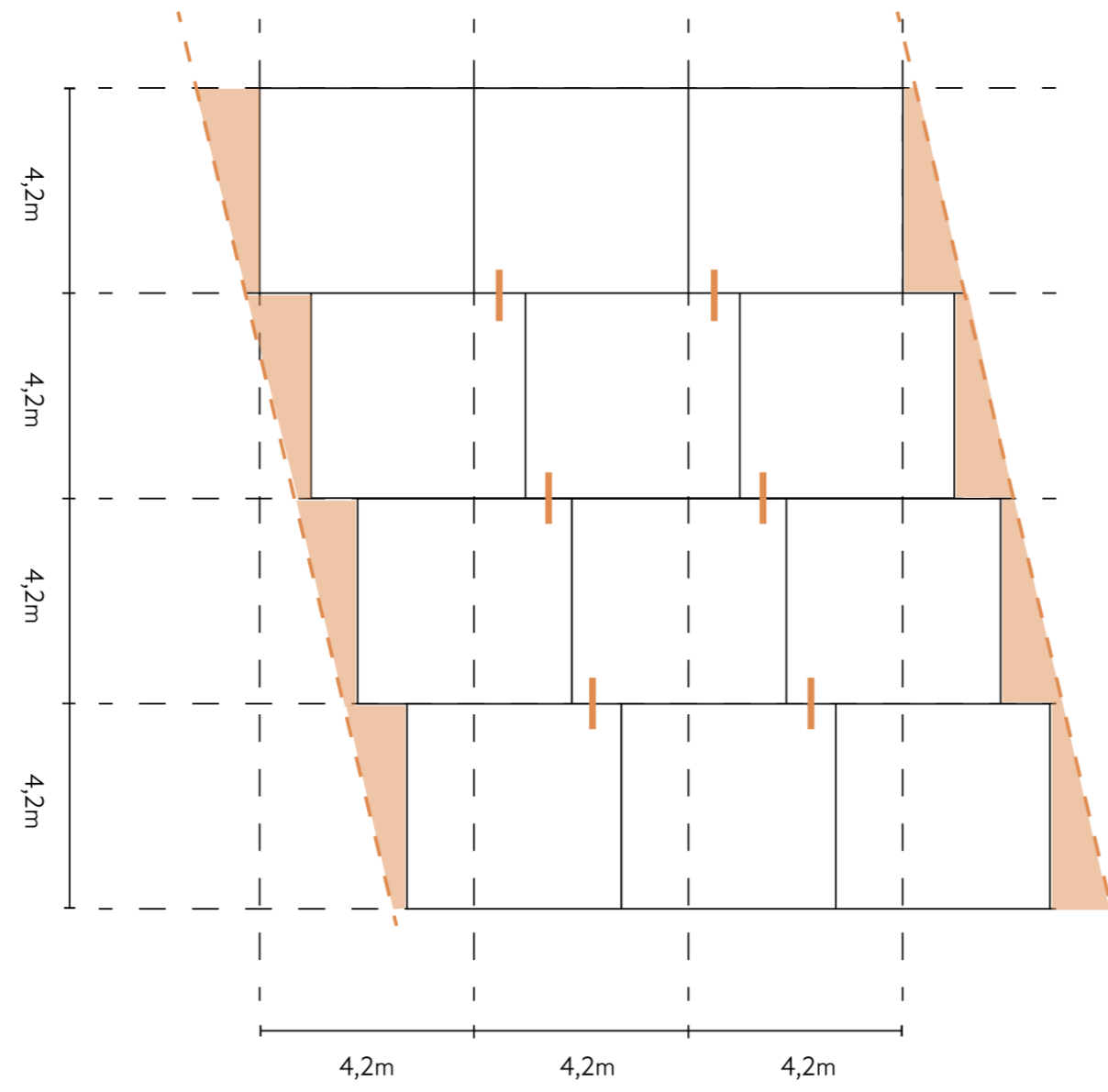
The shared dimension - work/live apartments



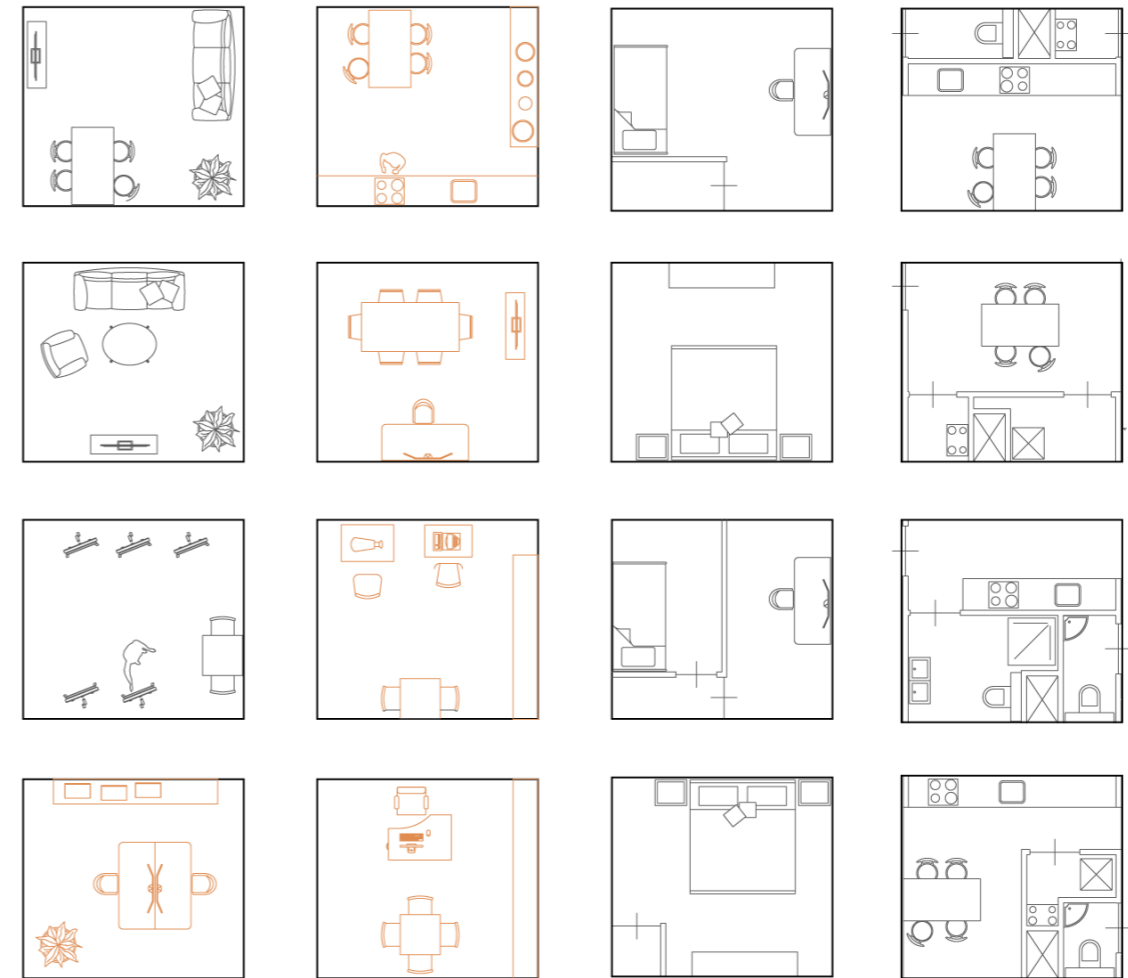
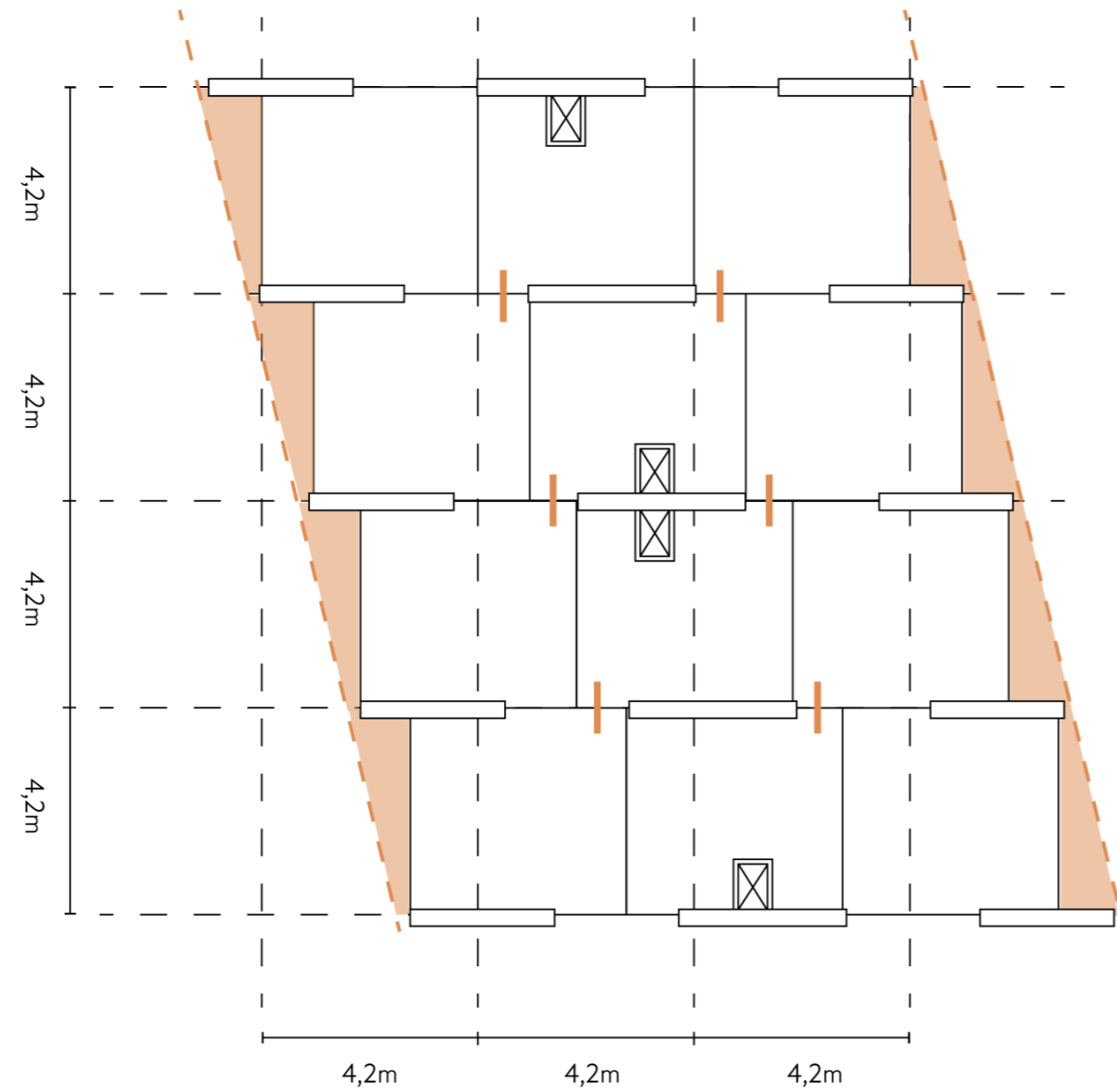
The shared dimension - work/live apartments



The shared dimension - work/live apartments



The shared dimension - work/live apartments

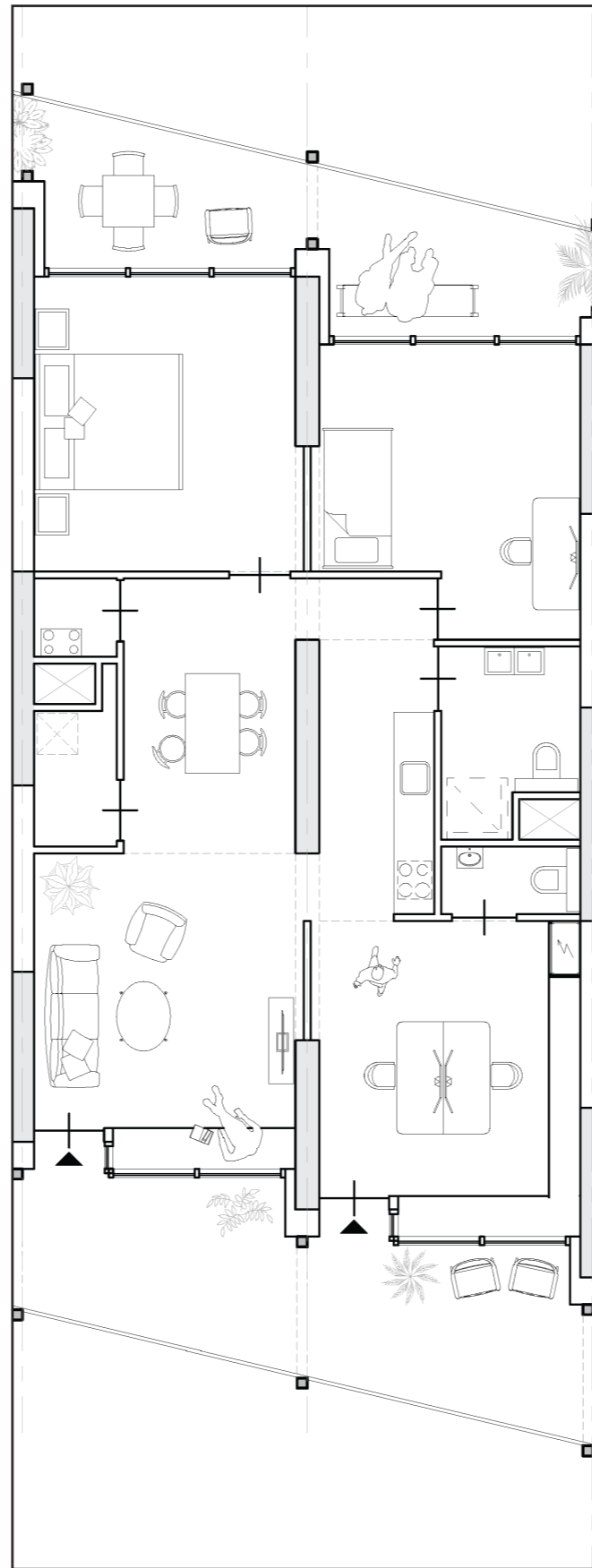


The shared dimension - work/live apartments



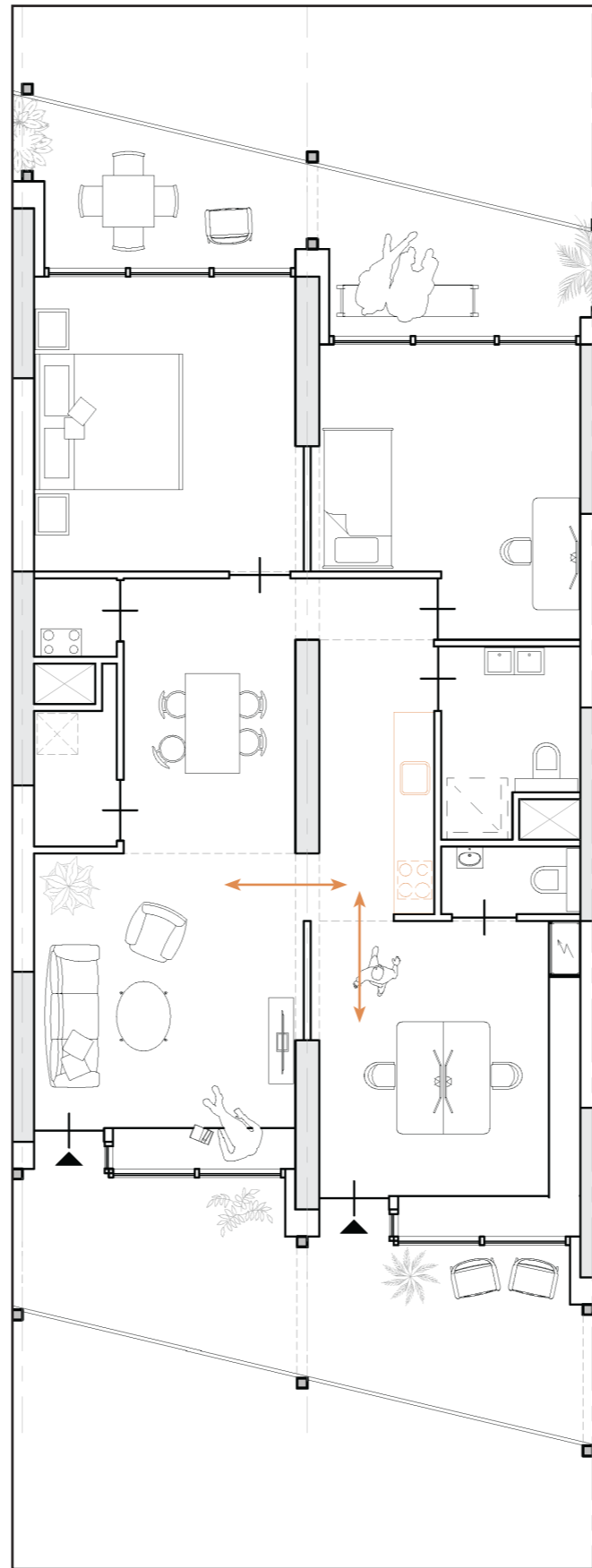
Gallery

Live/work apartment L 1:100



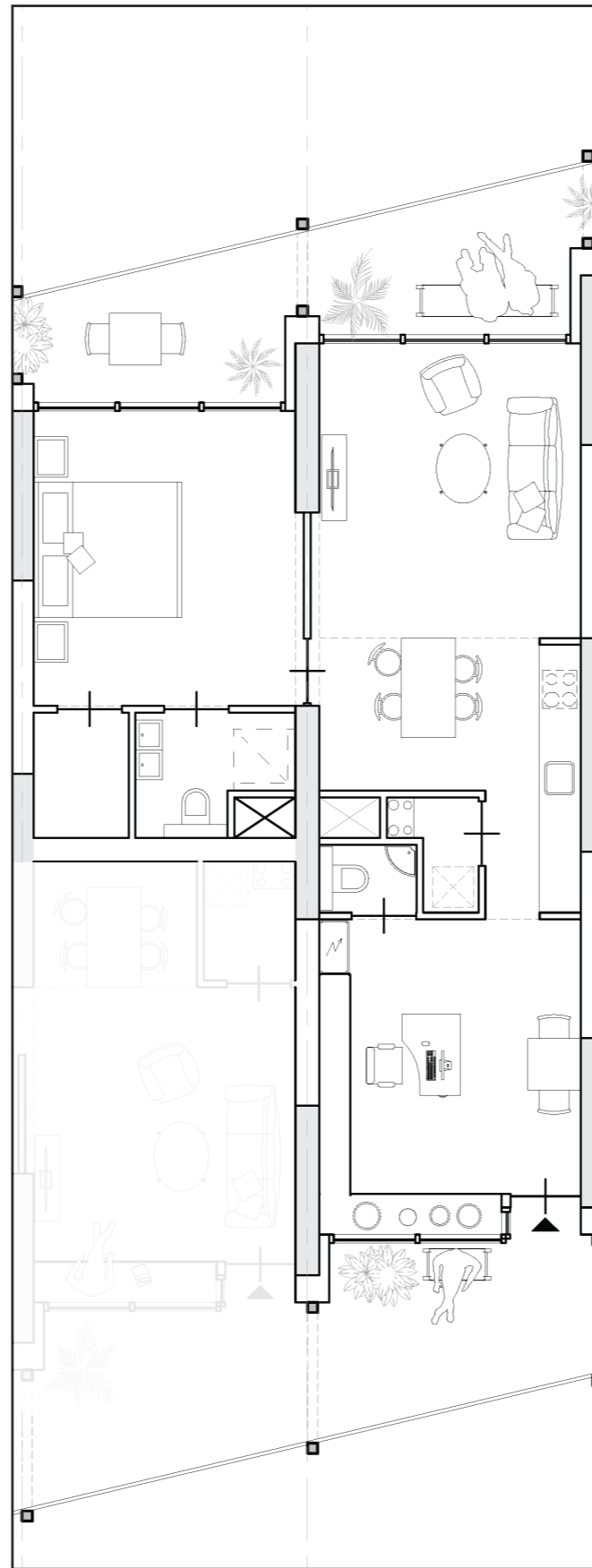
The shared dimension - work/live apartments

Live/work apartment L 1:100



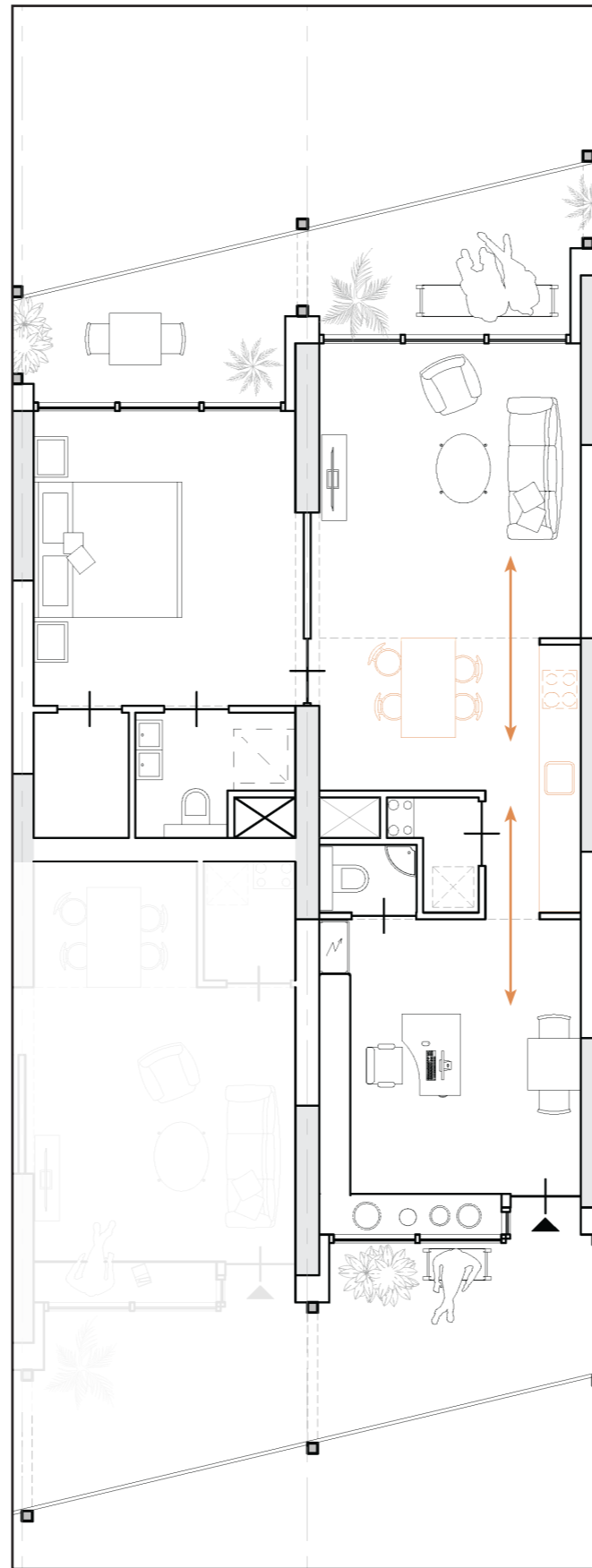
The shared dimension - work/live apartments

Live/work apartment M 1:100



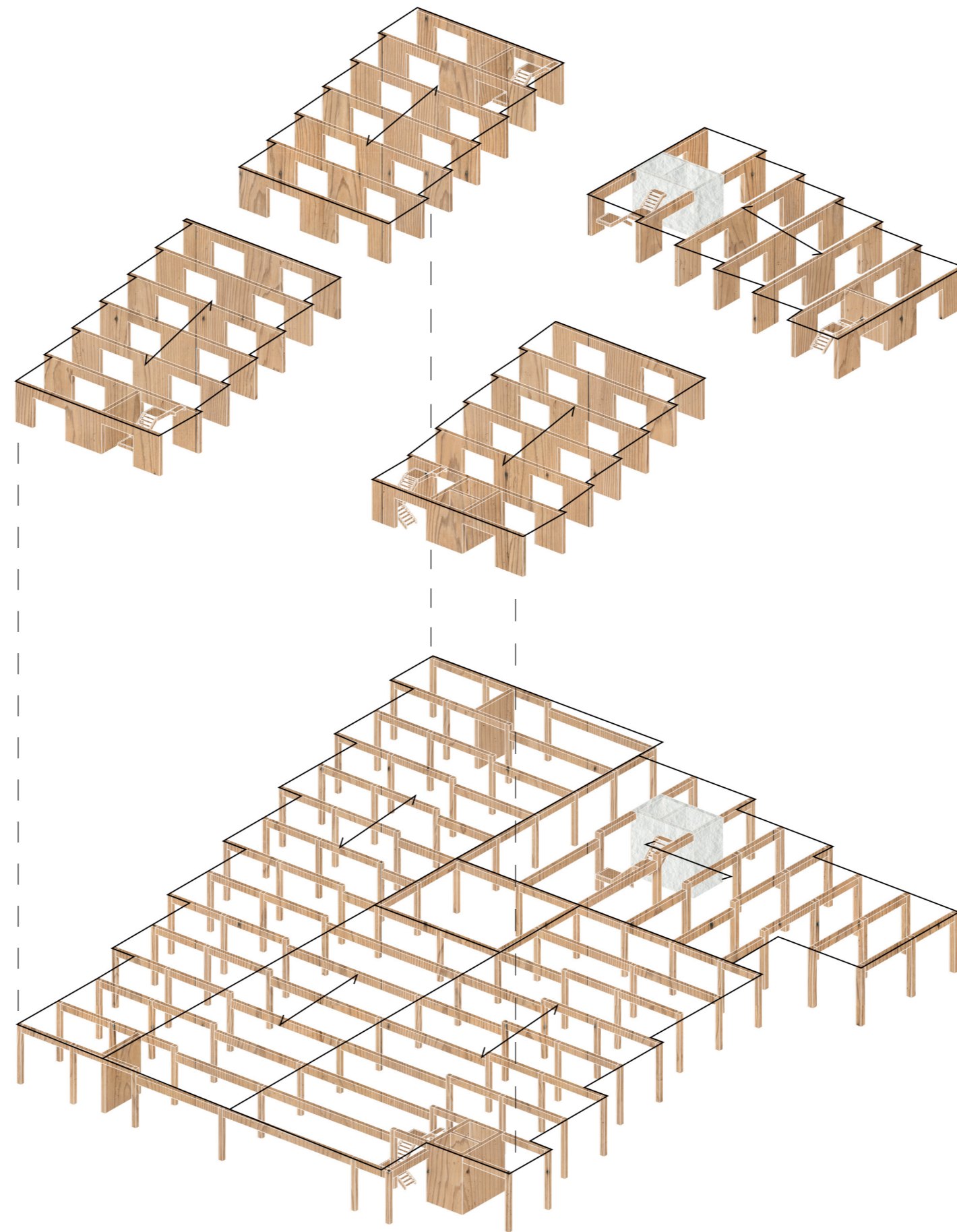
The shared dimension - work/live apartments

Live/work apartment M 1:100



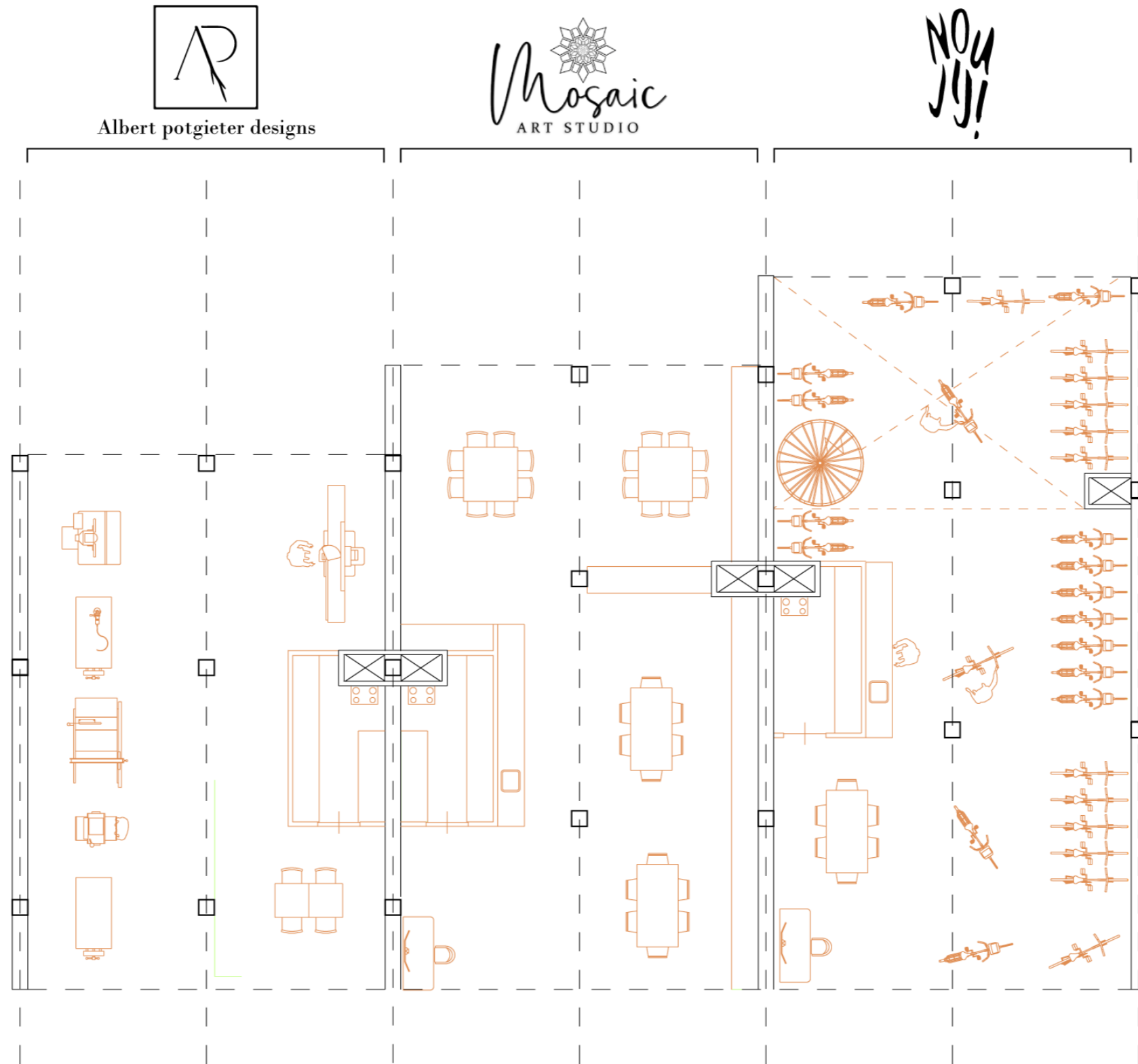
The shared dimension - work/live apartments





2nd-12th floor
CLT slabs with concrete core

Ground & 1st floor
Wooden columns and beams

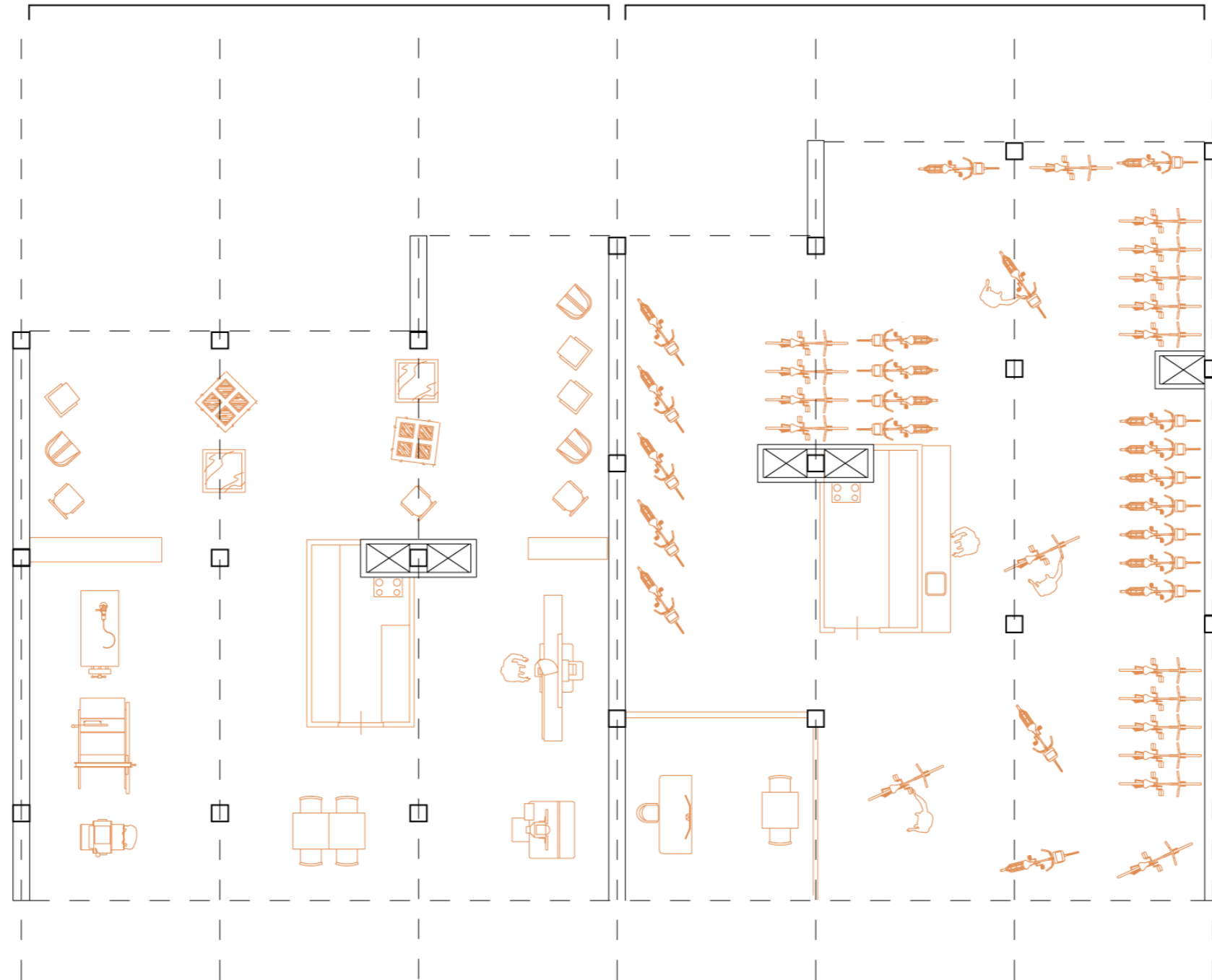


The time dimension - flexibility

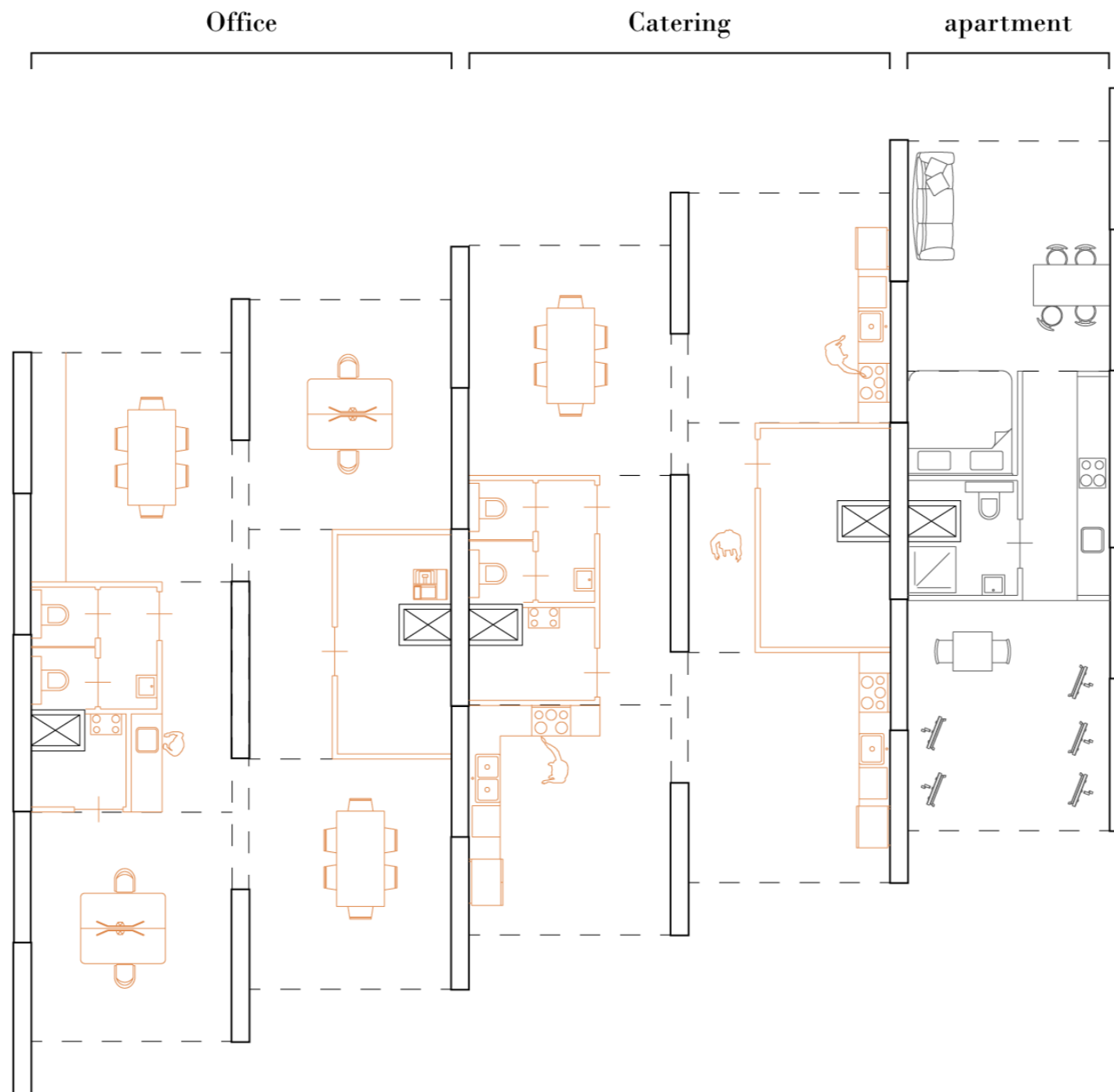


Albert potgieter designs

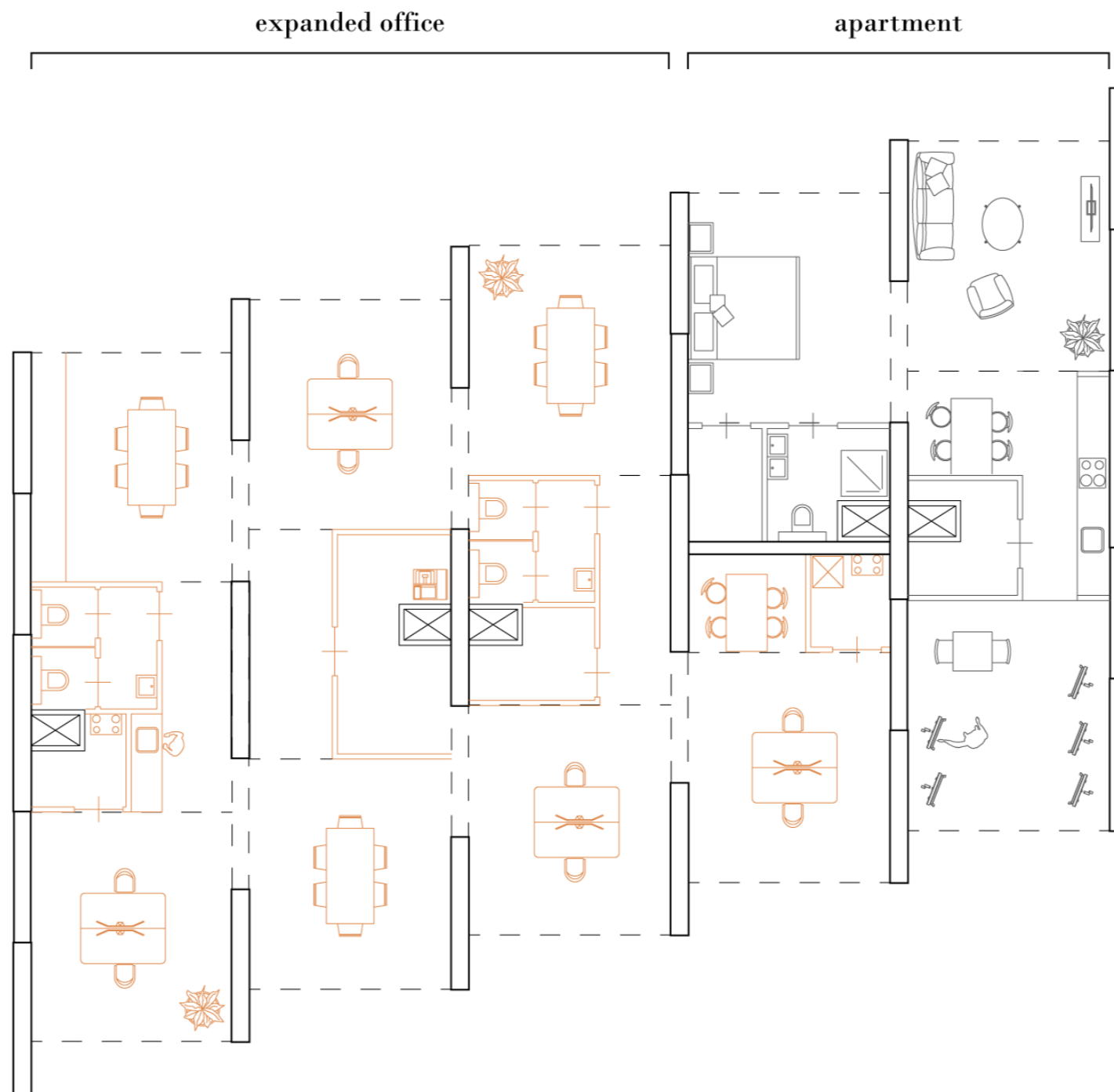
NO
1914



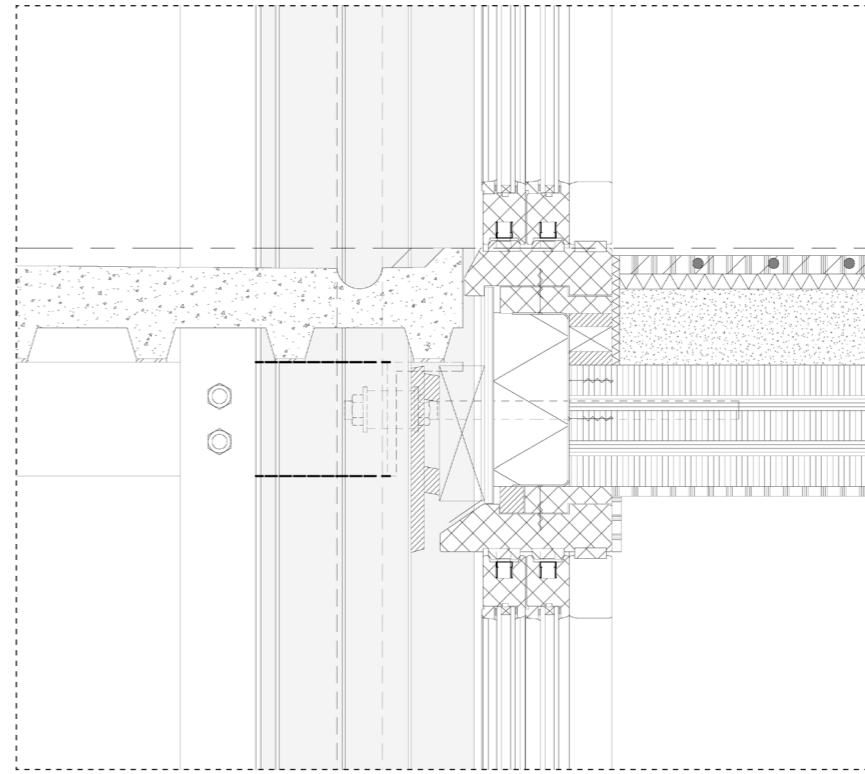
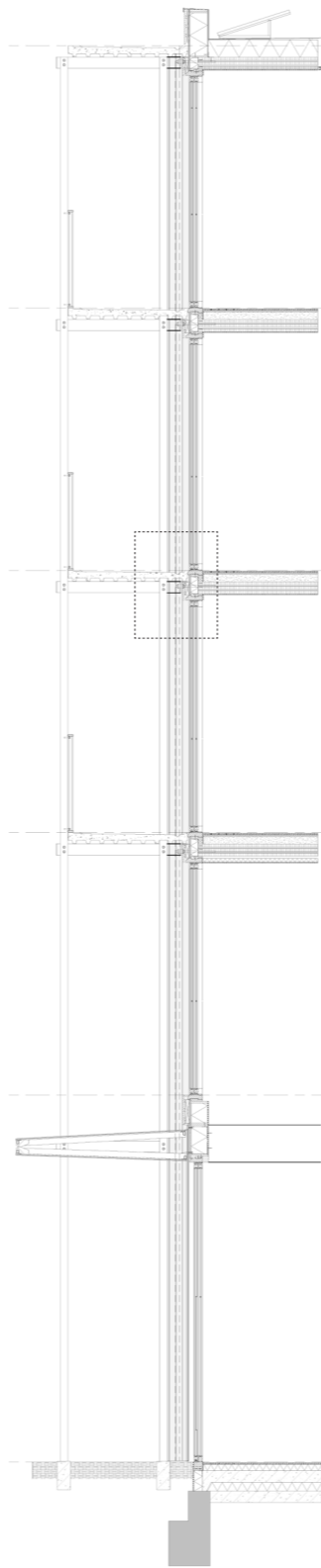
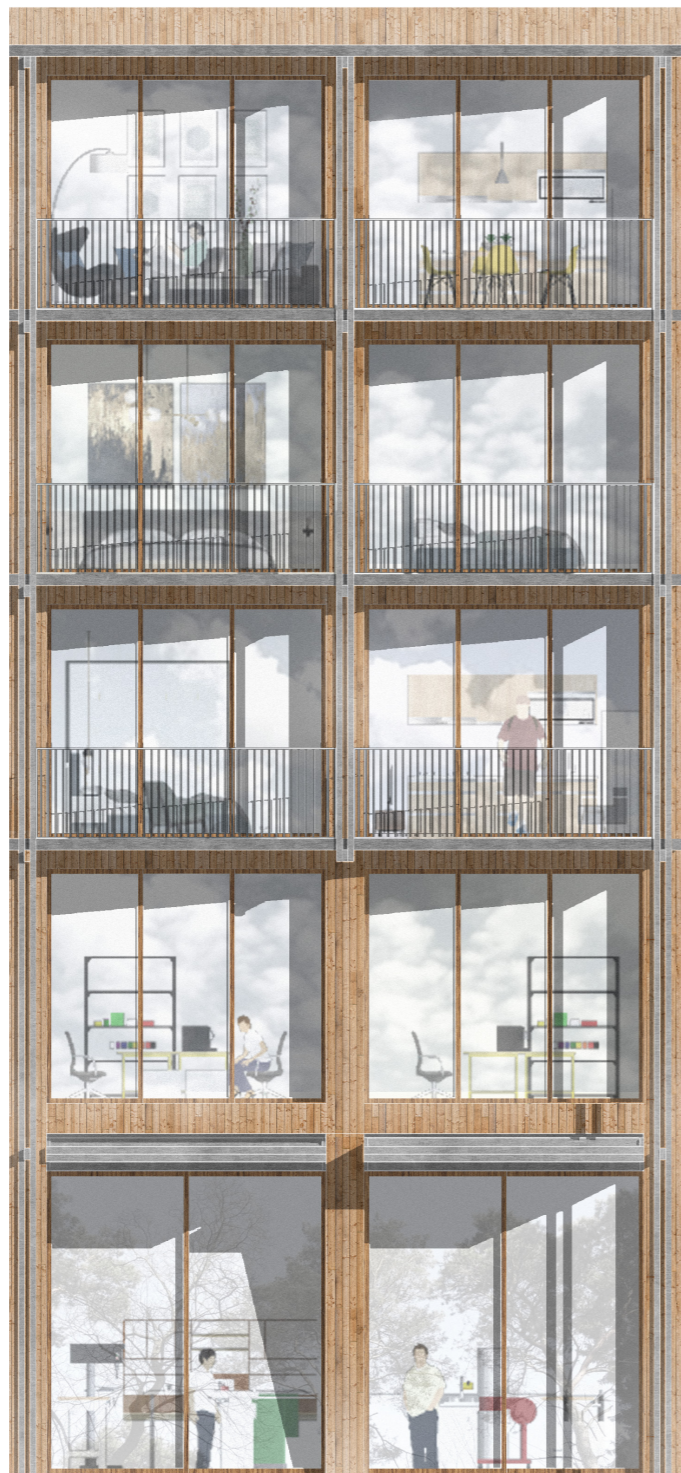
The time dimension - flexibility



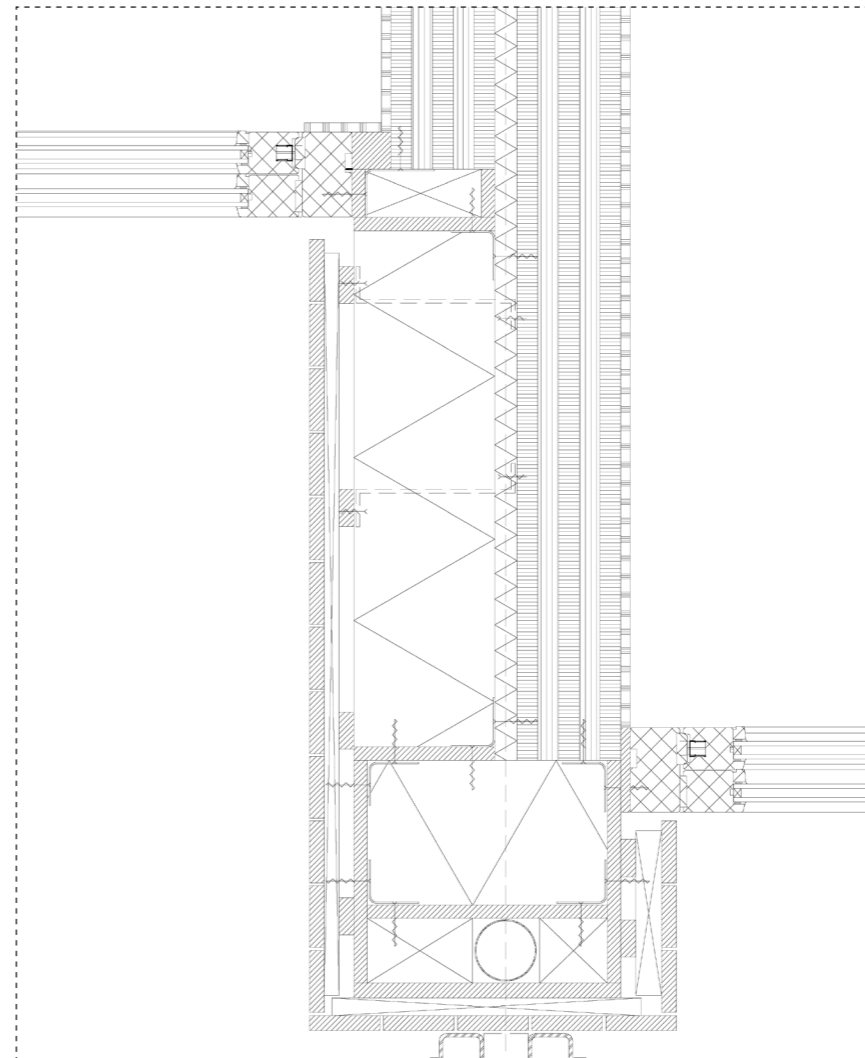
The time dimension - flexibility



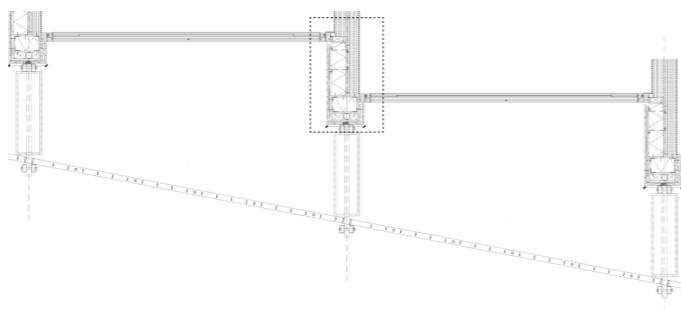
The time dimension - flexibility



Vertical detail 3rd floor



Horizontal detail

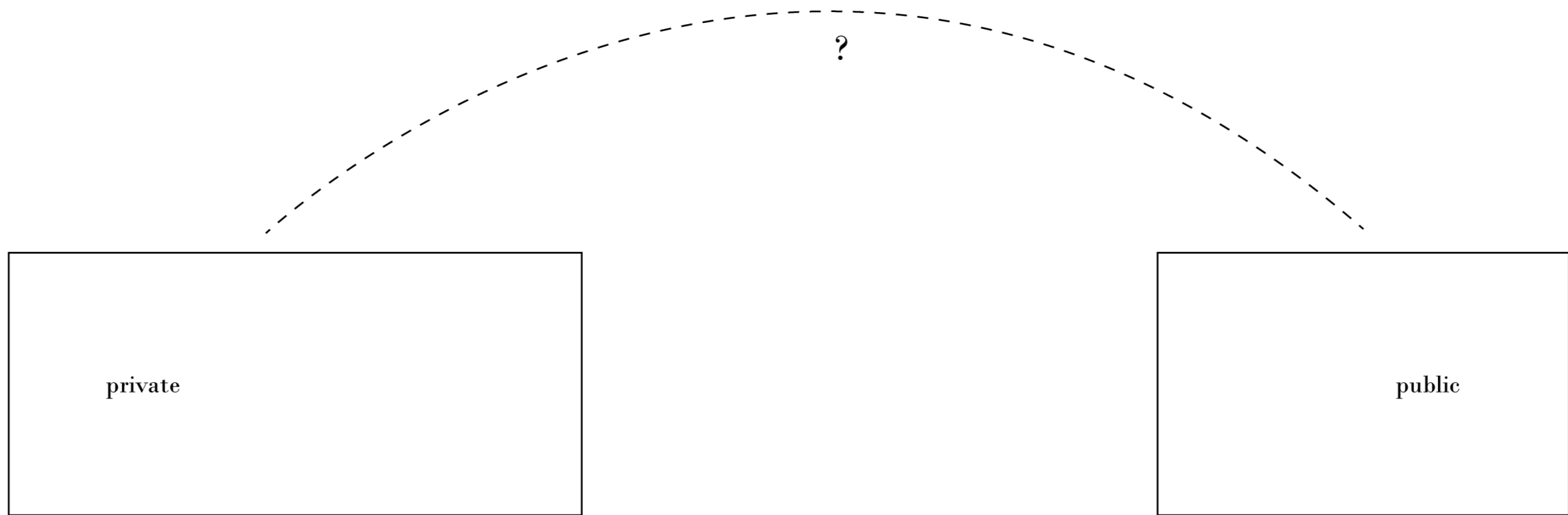


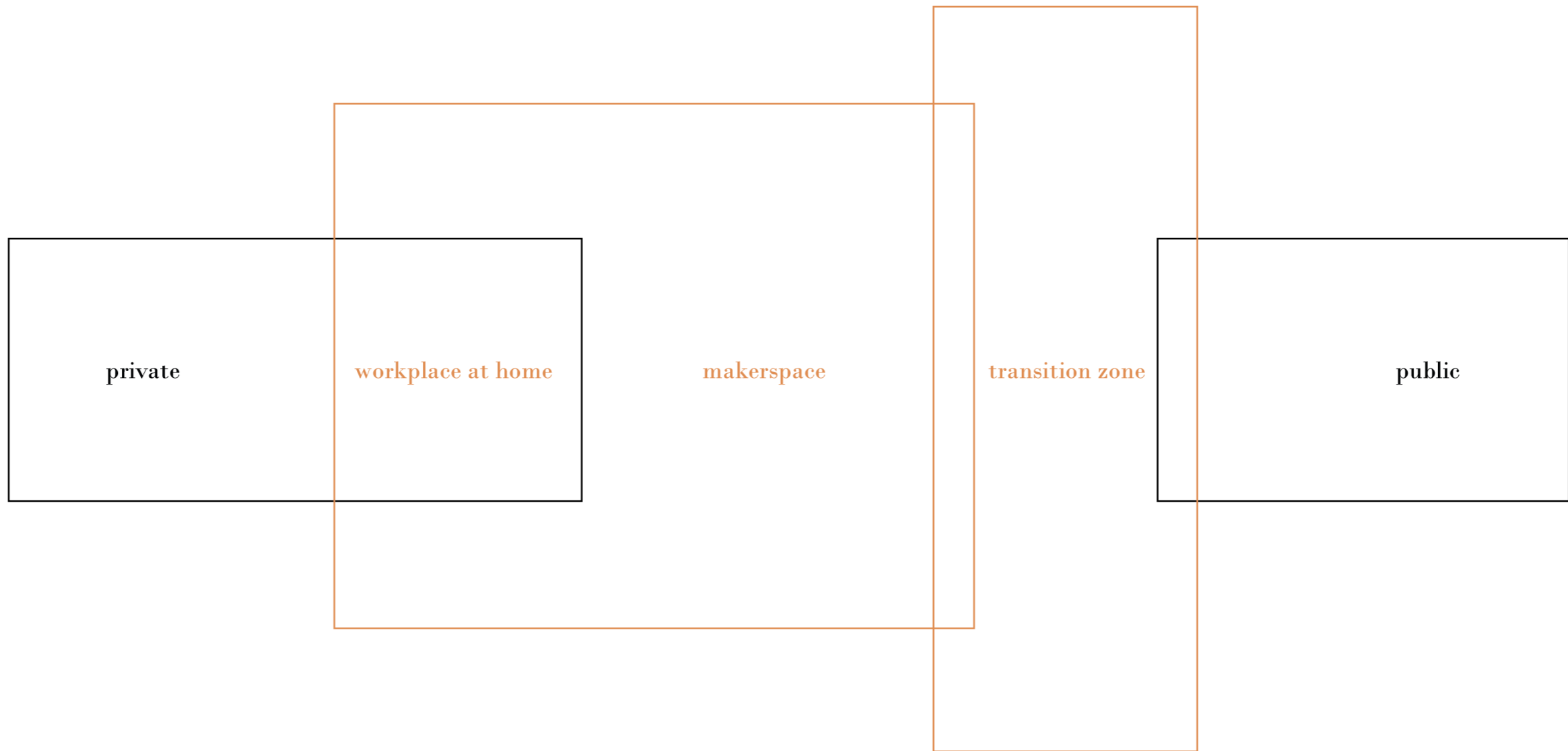
Facade fragment



Model

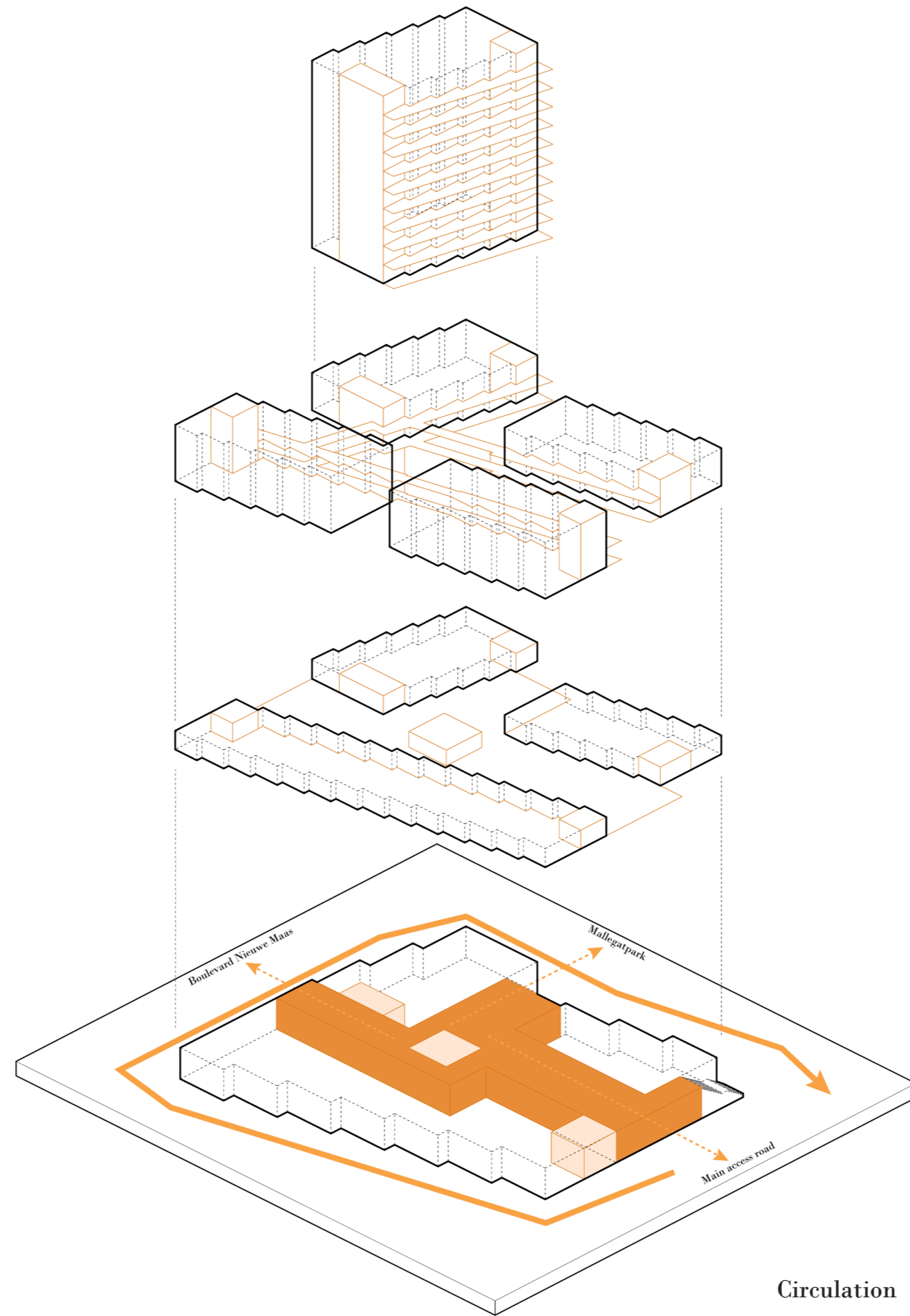
2. Building social connections through work





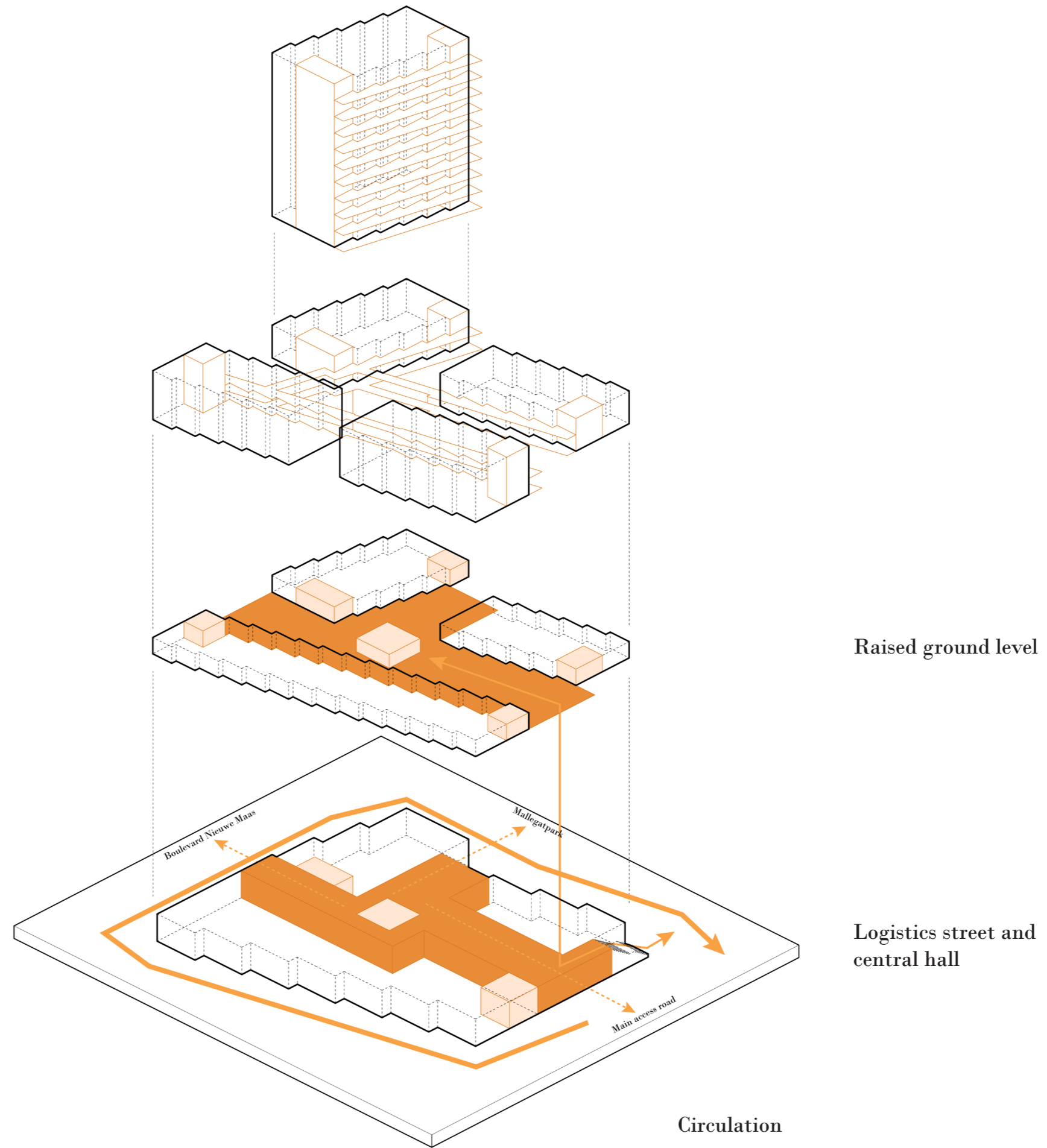


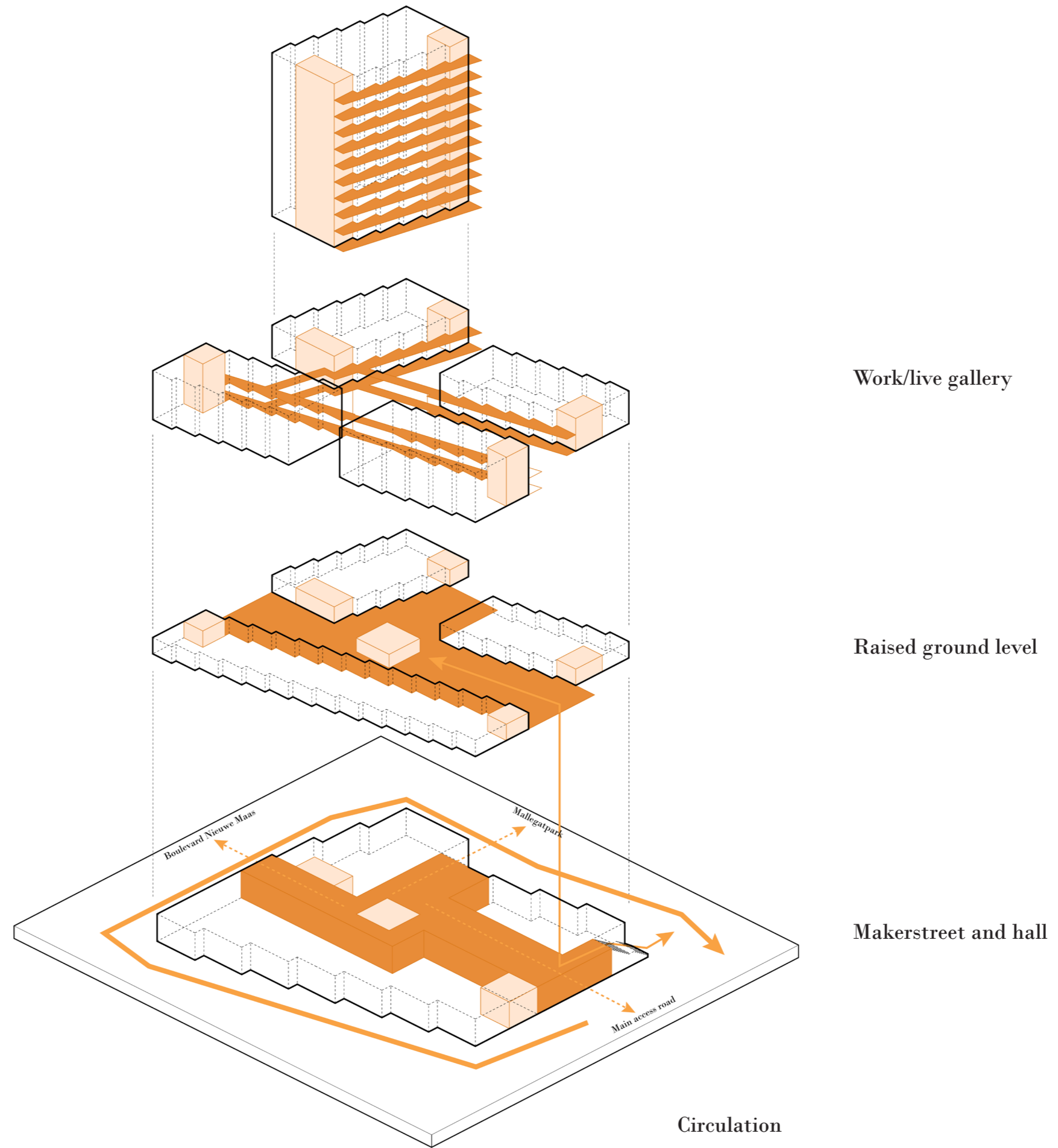
Building social connections through work

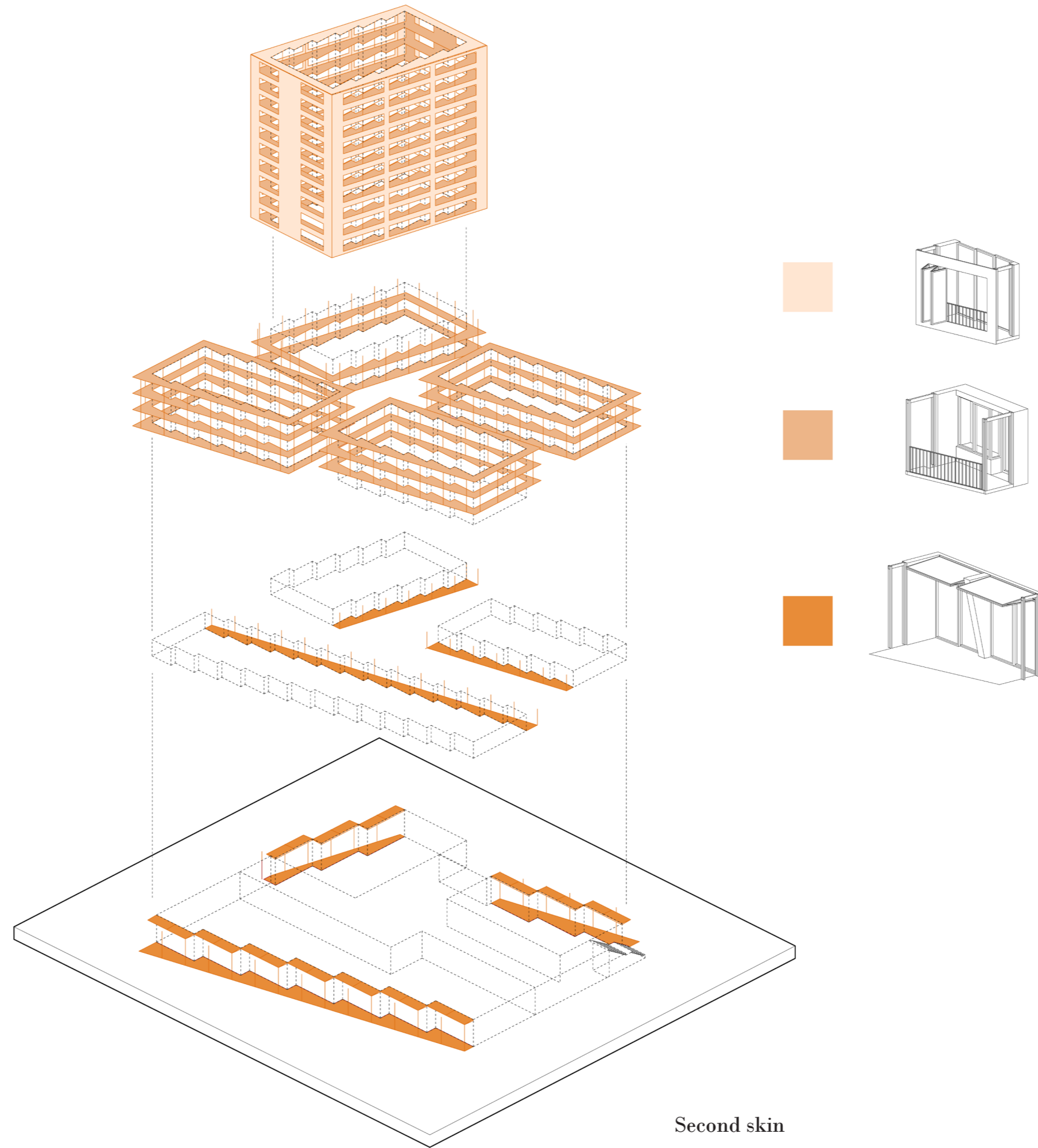


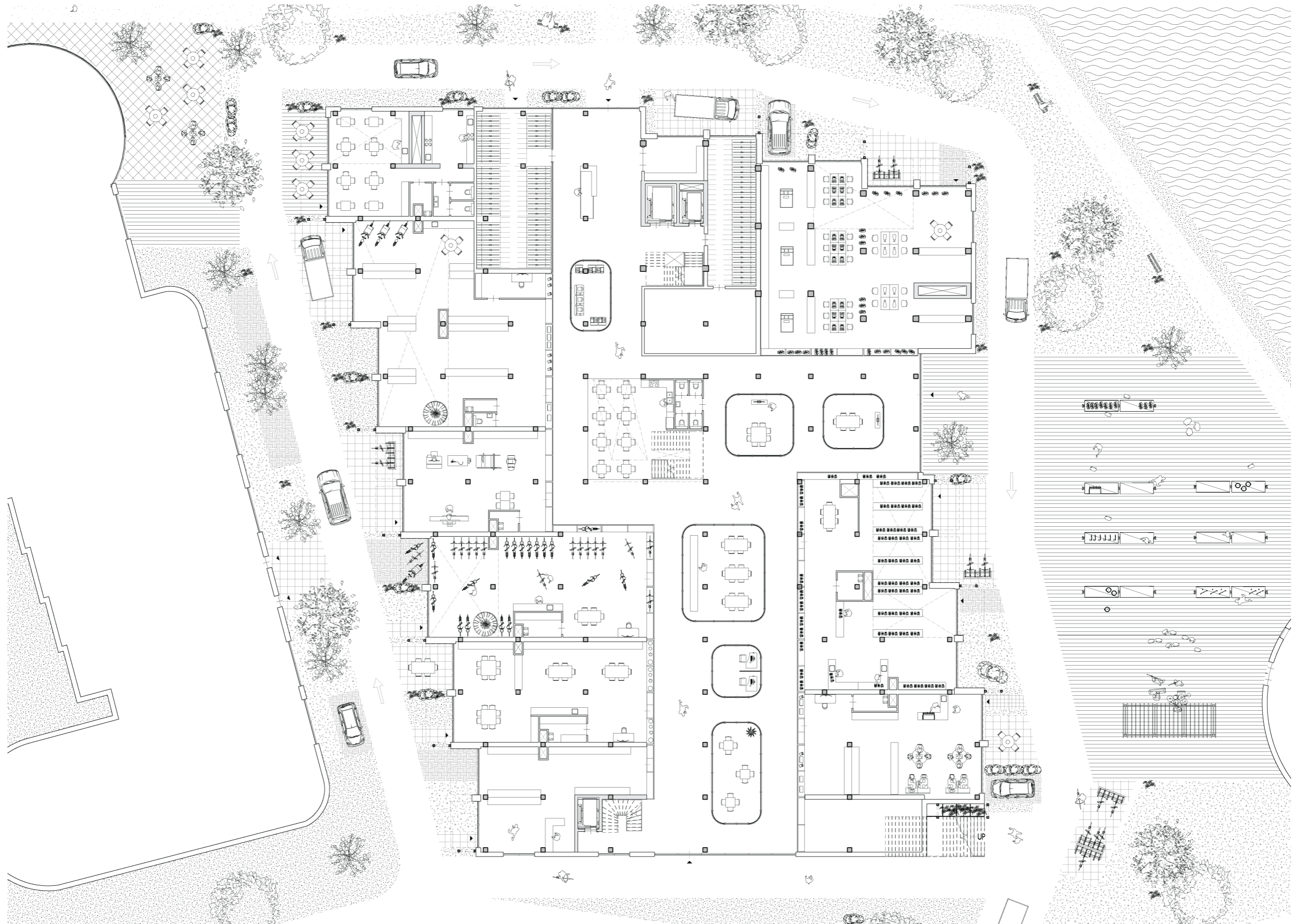
Logistics street and central hall

Circulation









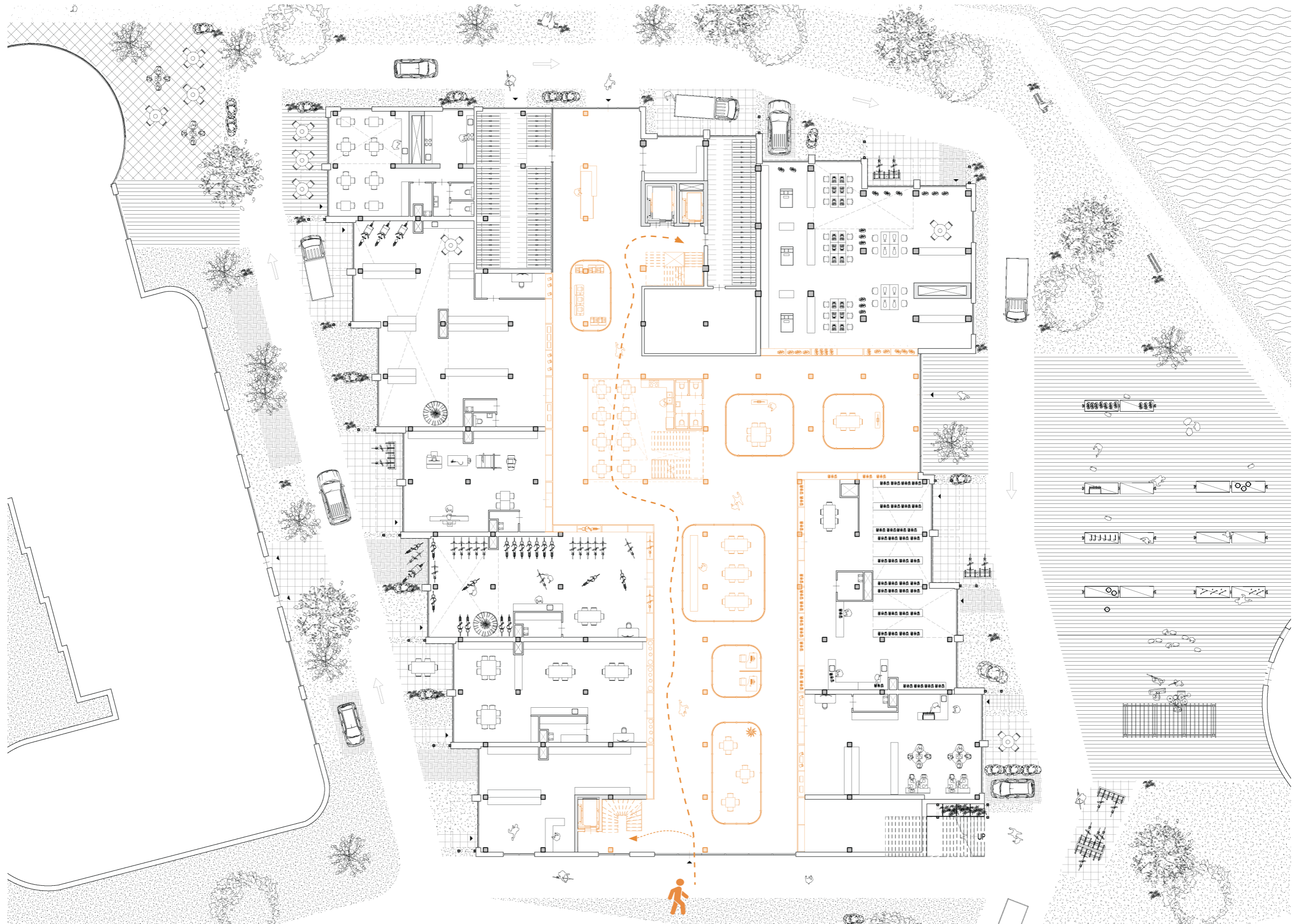
Logistics street



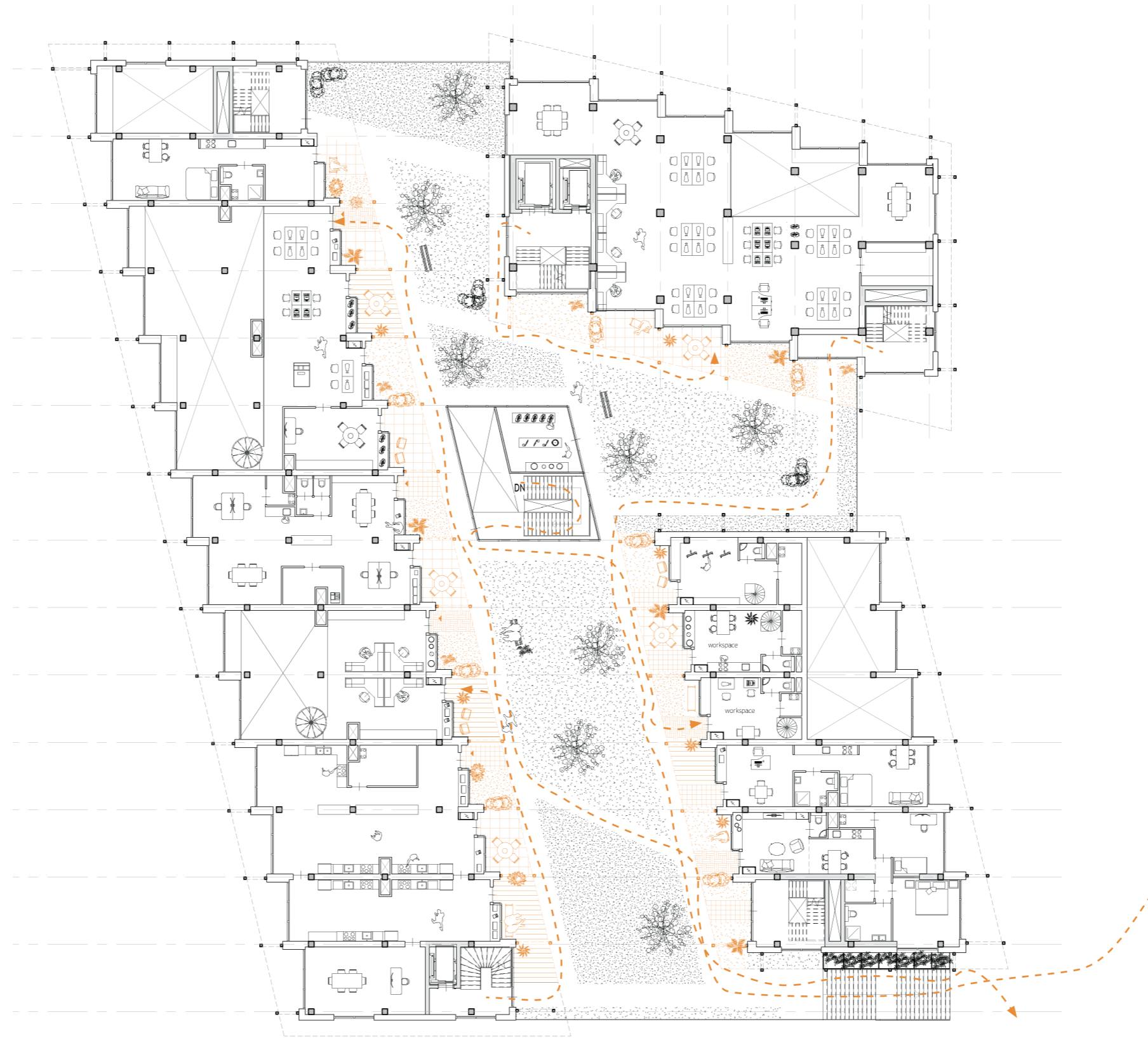
Makerstreet



Makerstreet



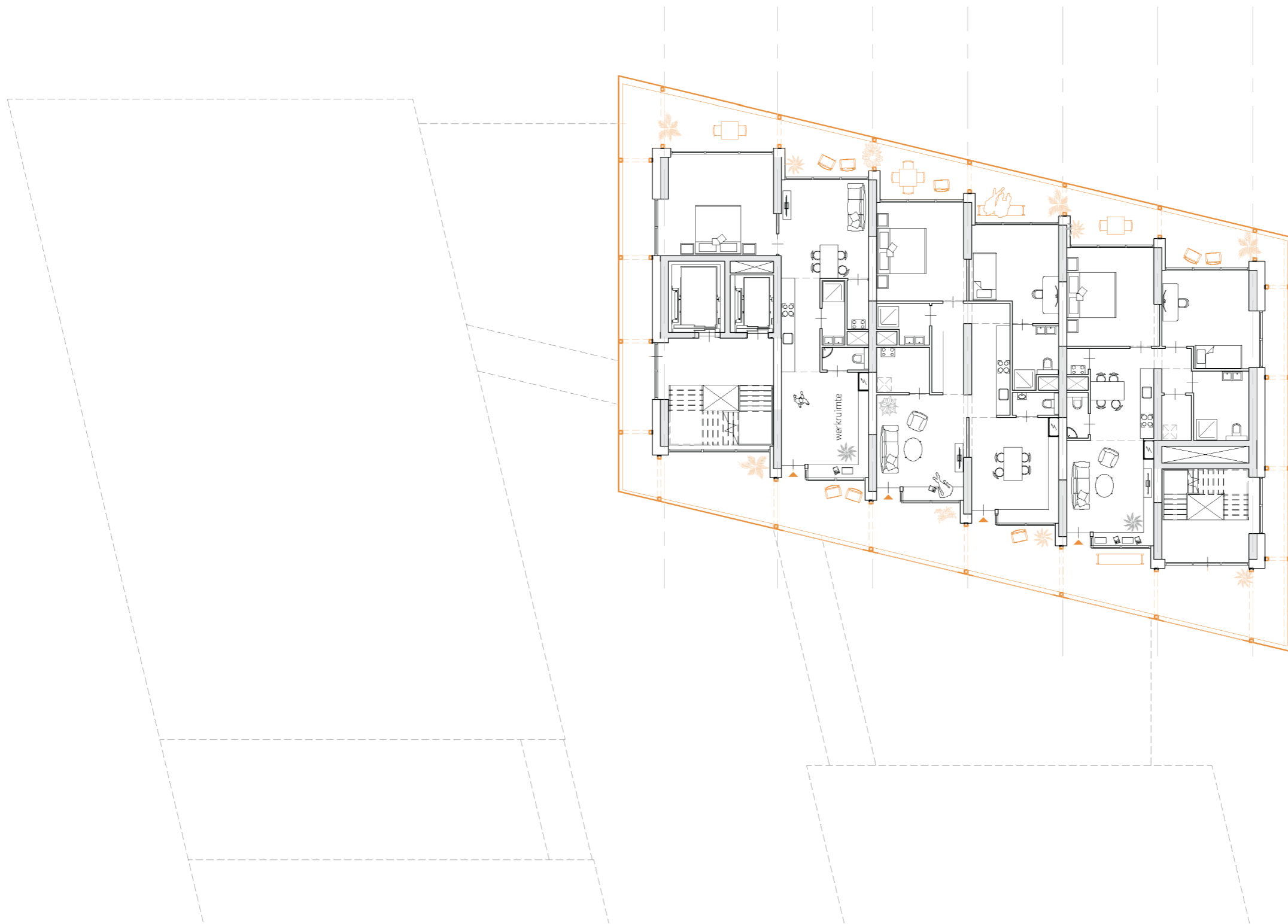
Makershall



Raised ground level



Raised ground level

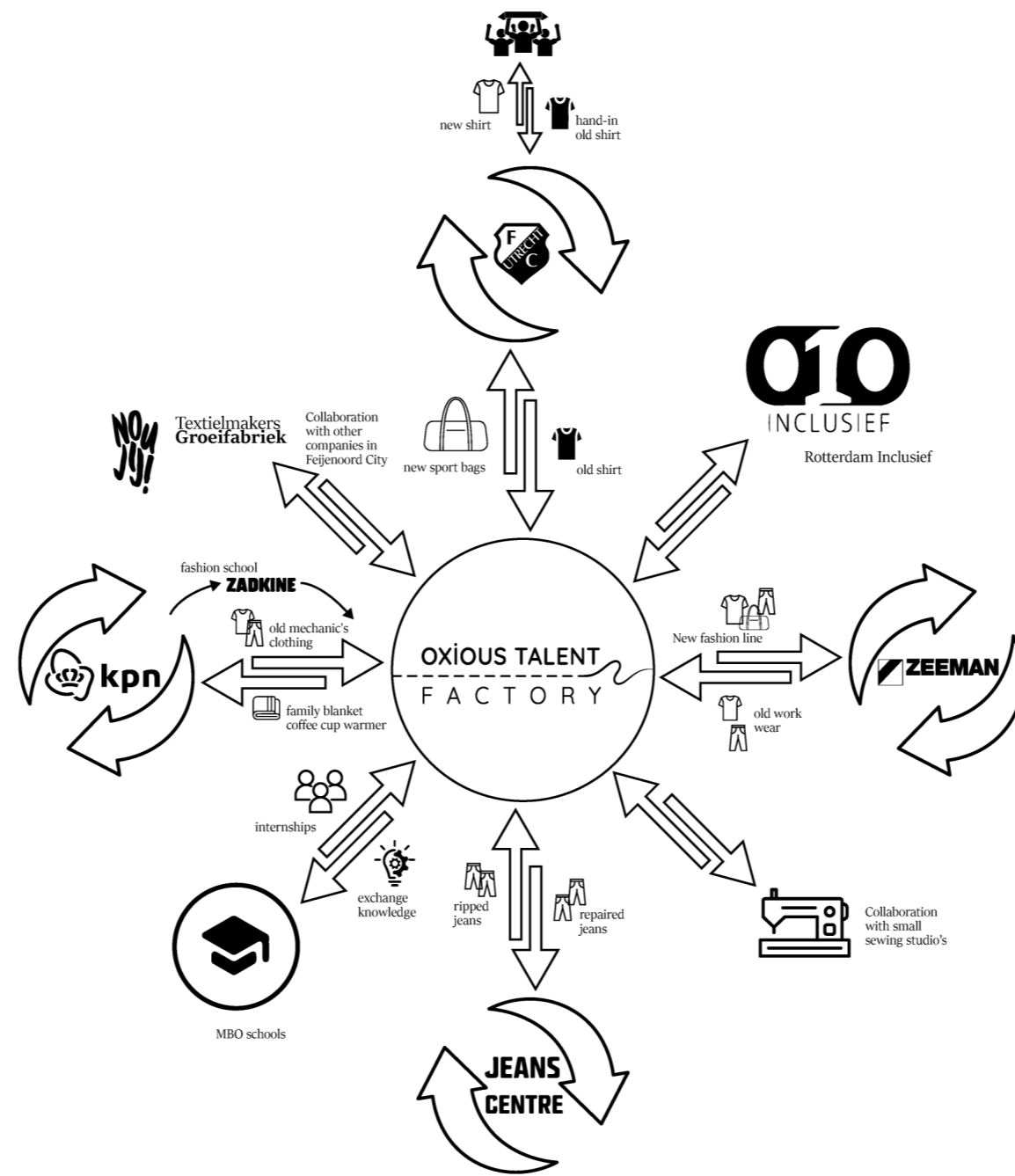


Floorplan tower



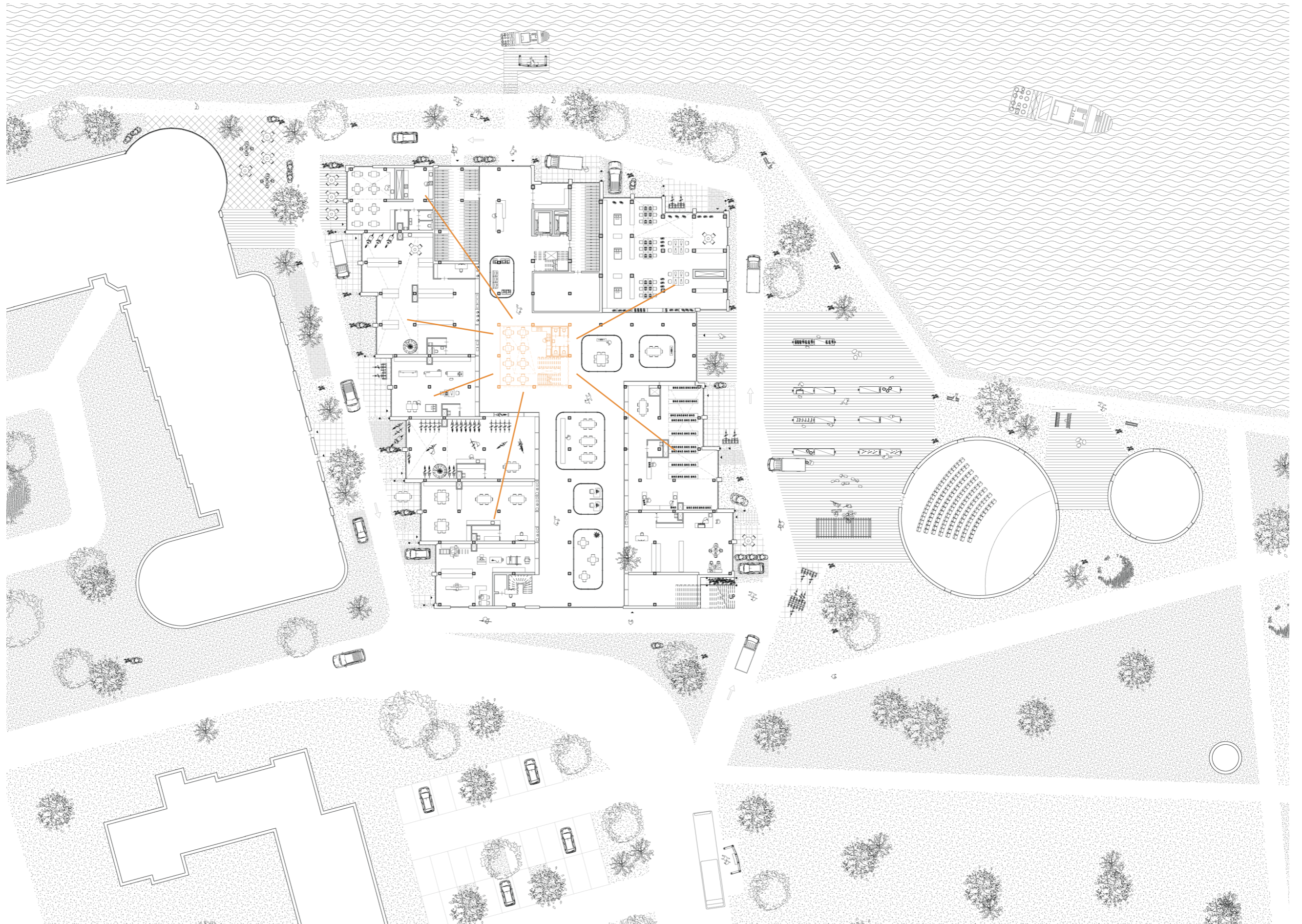
Facade tower

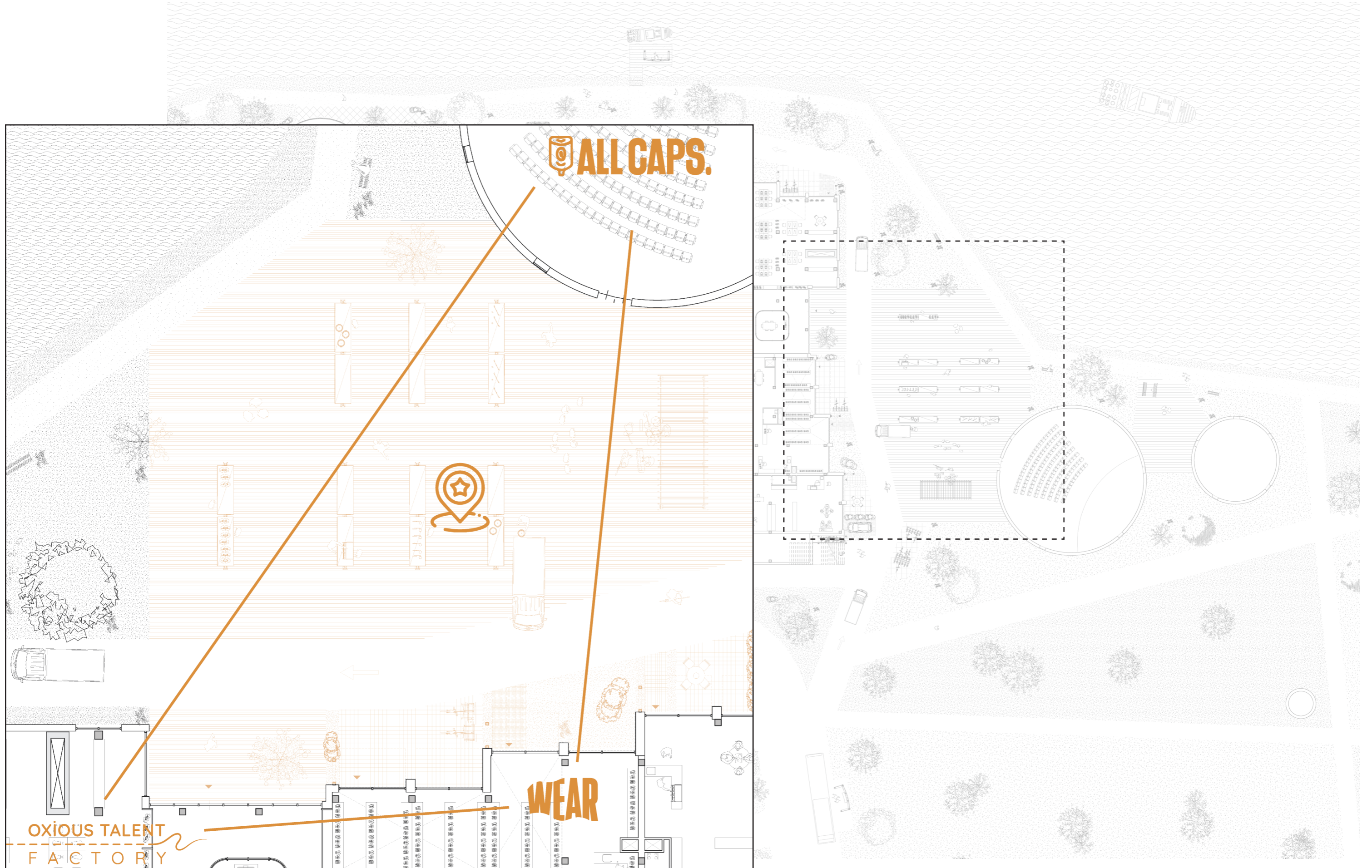
3. Urban manufacturing for the city



Collaborations

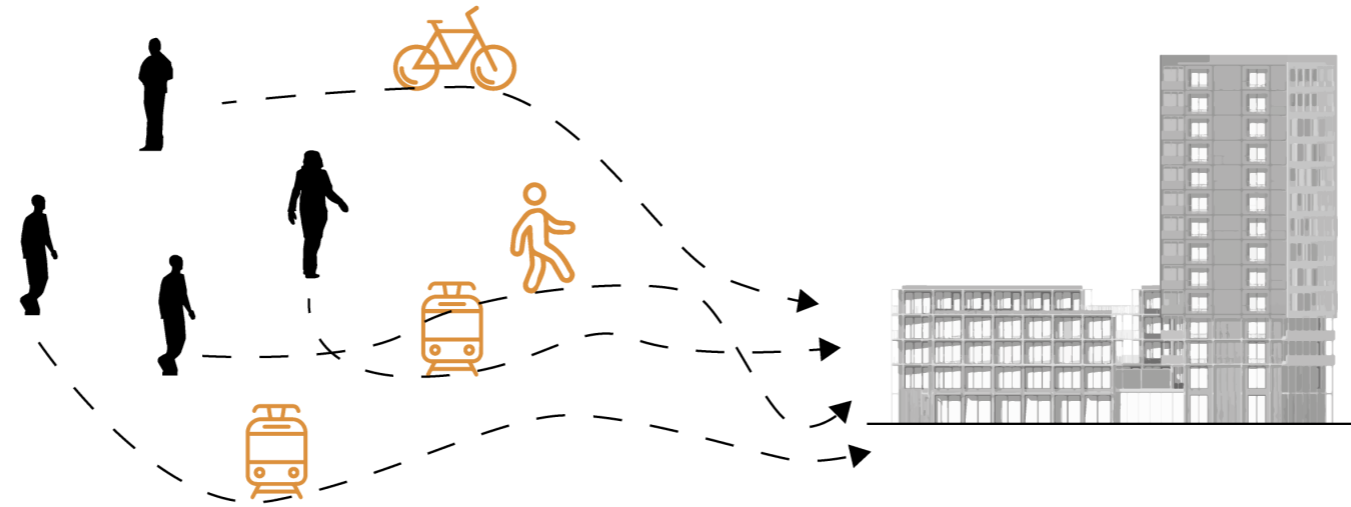
Collaboration



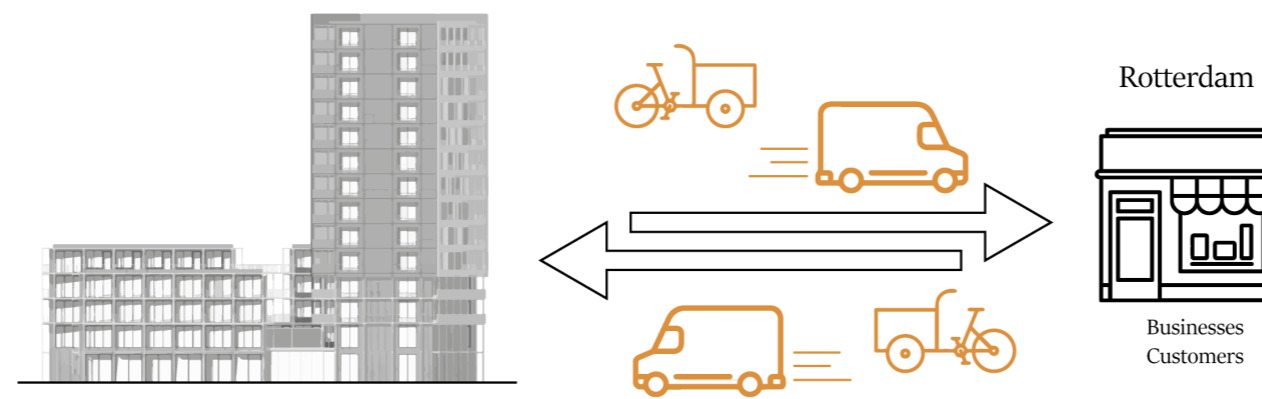




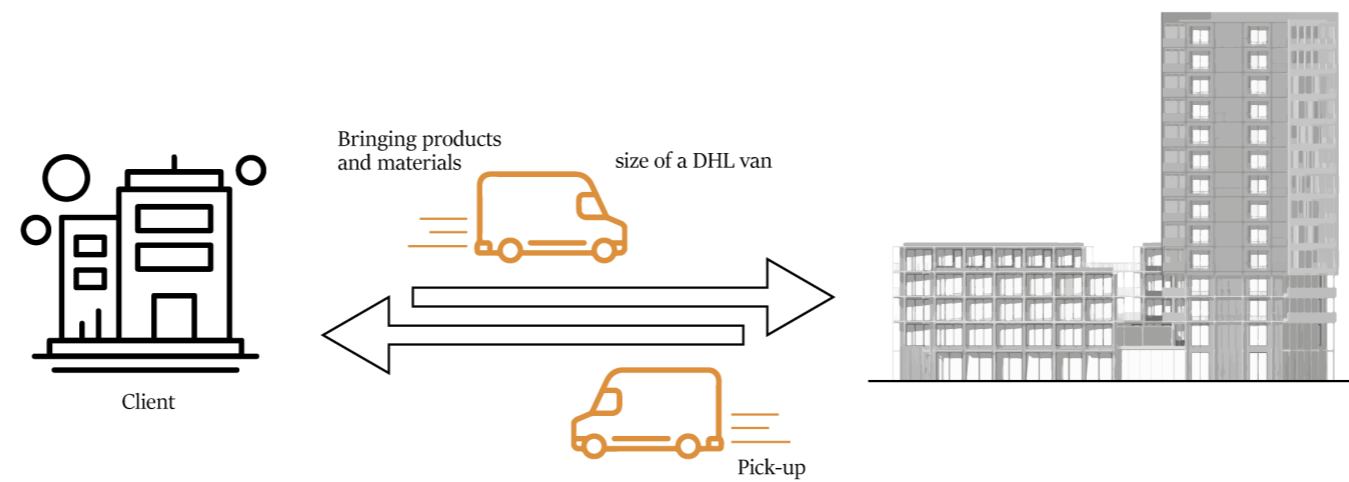
Markets and events



Almost all employees live in Rotterdam and rarely use the car for their commute.



Every day, a small van and several cargo bikes distribute throughout Rotterdam.

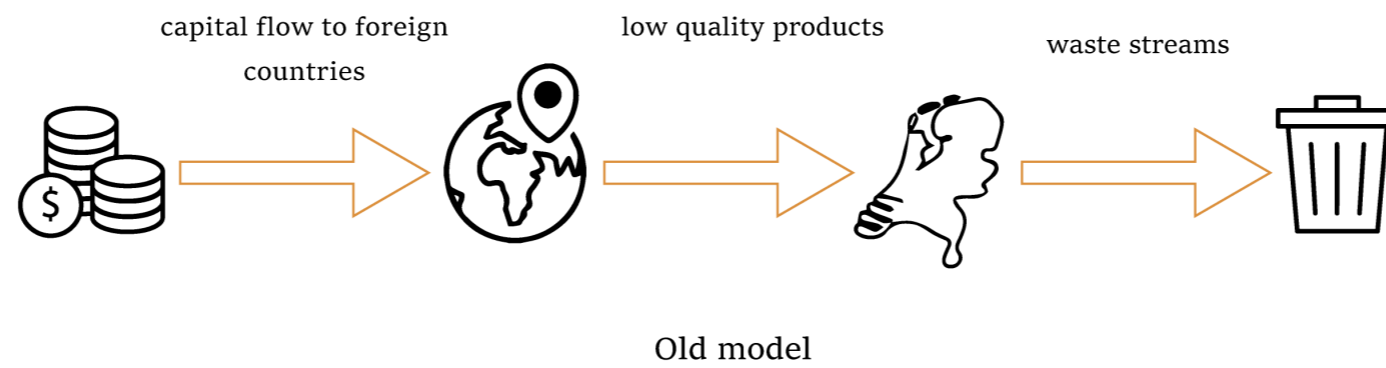
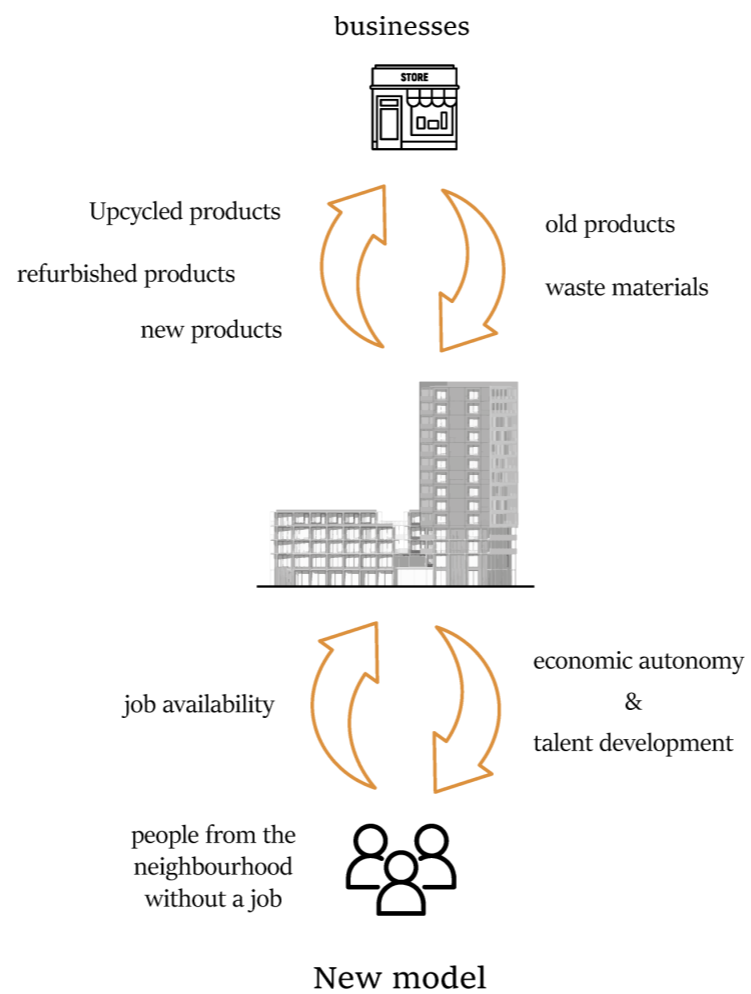


Supply and removal of materials is highly variable and not every week.

Materials are occasionally transported by large trucks.

Logistics and commute





Local communities & Circularity

