

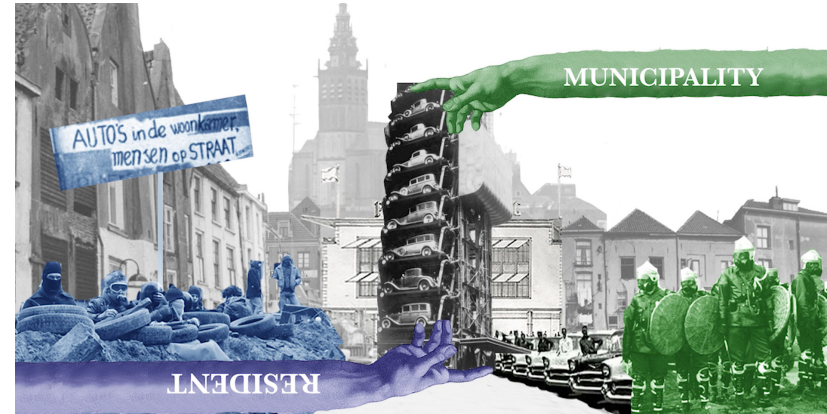


PASSAGES & POROSITIES

An interface for the creative community in Nijmegen
Urban Architecture Graduation Studio // Raphaël Wendt

Starting point: 'Reconstruction of Nijmegen'

Actors in city planning in Nijmegen since WWII



Marienburg Project

Actors in city planning in Nijmegen since WWII



Concurring visions of the city
Commercial city vs Sustainable city



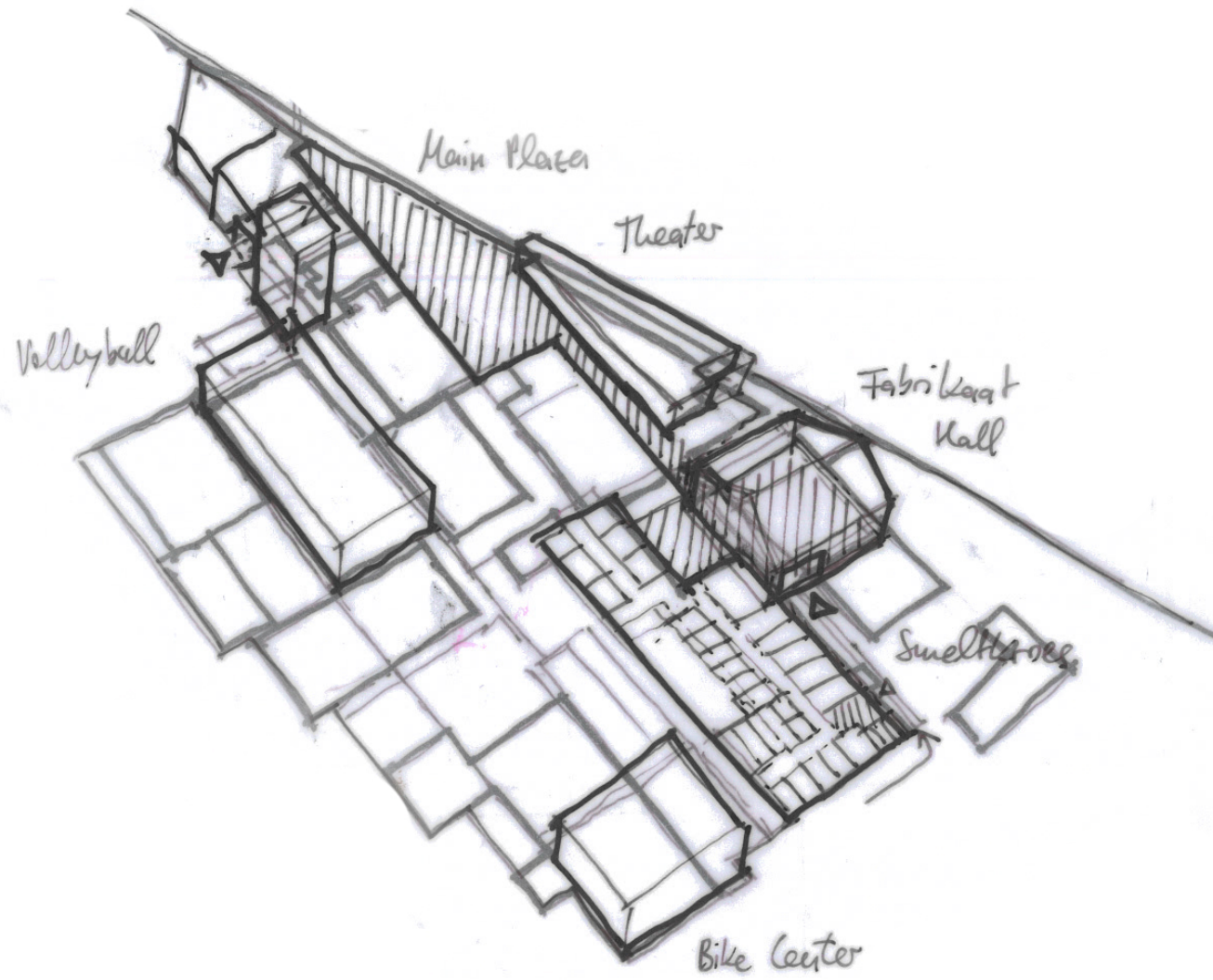
An opportunity for Nijmegen

Three Ts introduced by Richard Florida



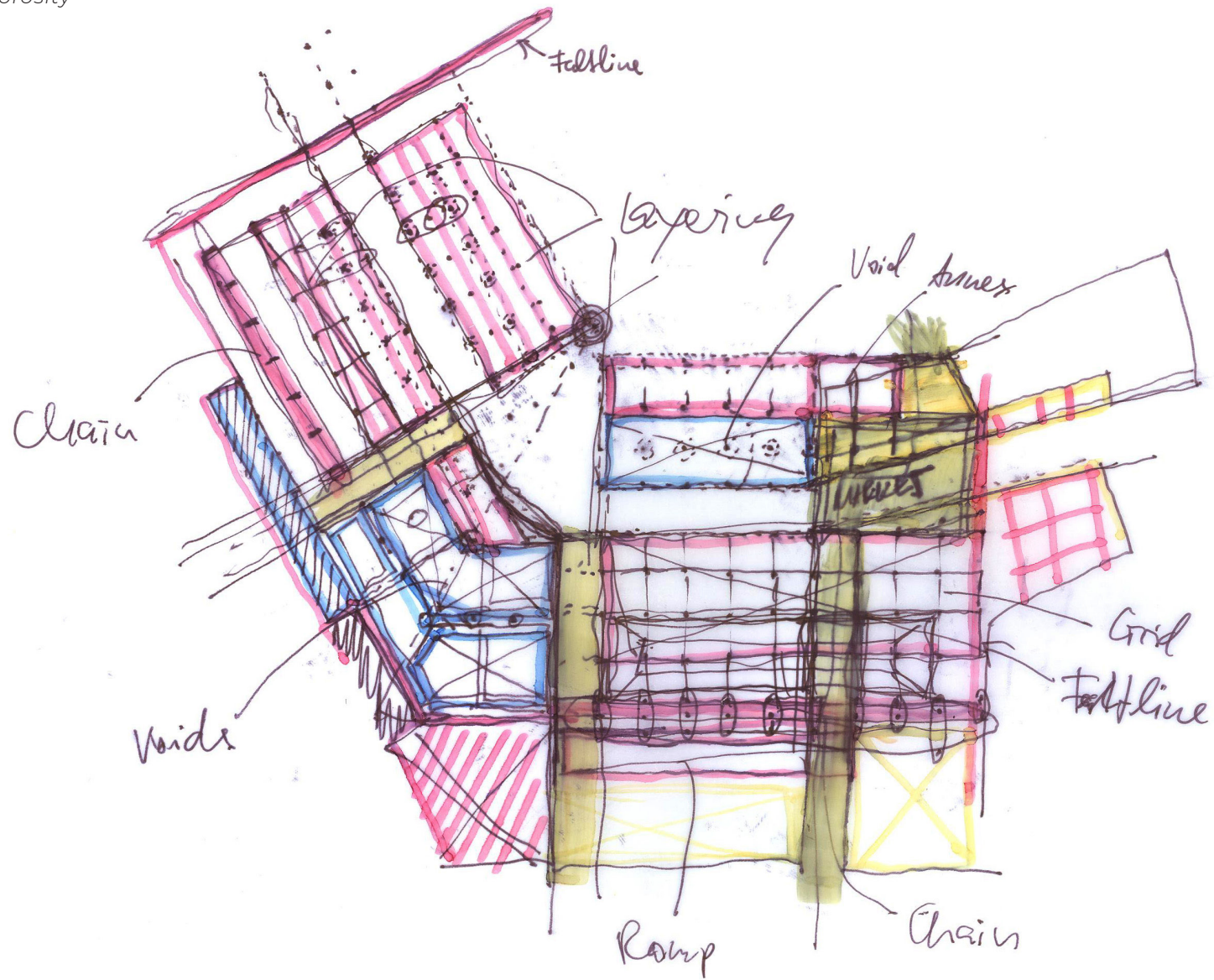
Honigcomplex

Organicness & Porosity



Honigcomplex

Organicness & Porosity

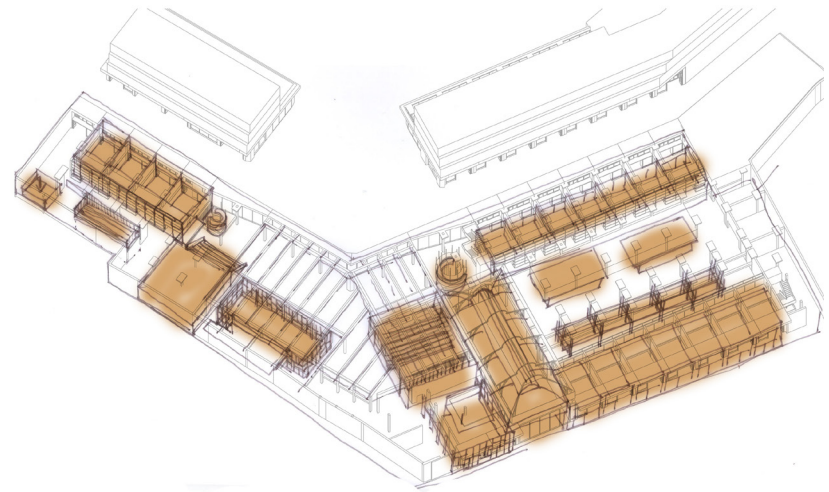
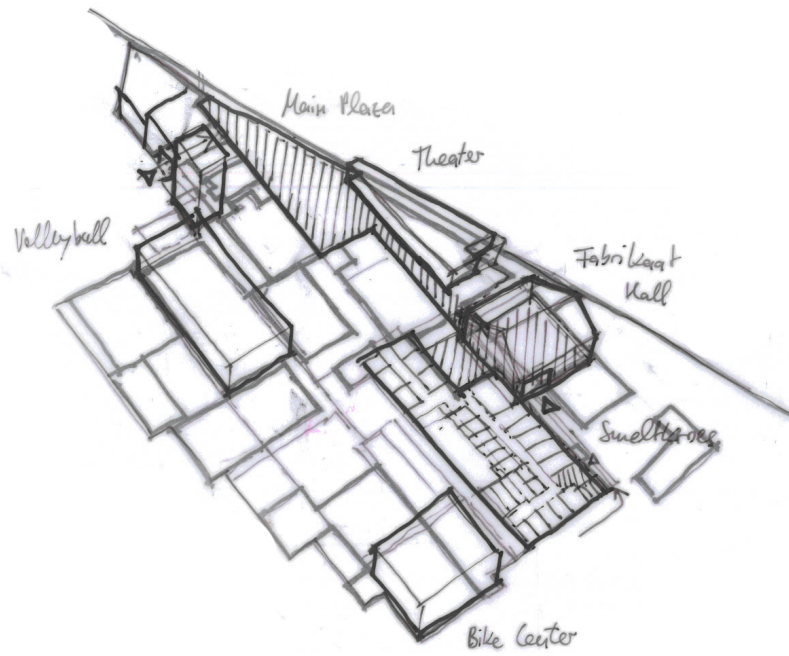


Preserving substance
Demolishments



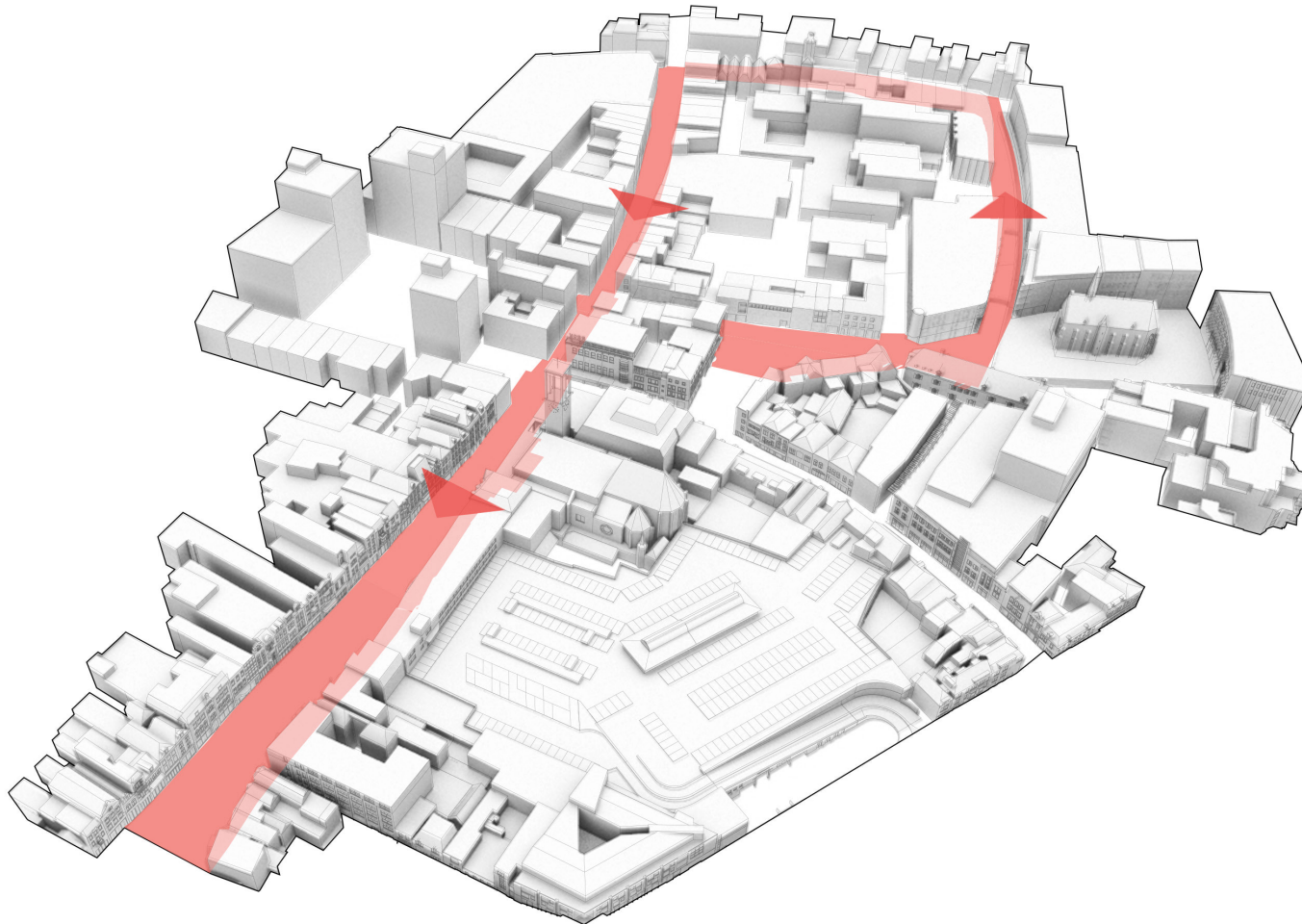
Honigcomplex

Organicness & Porosity



Urban setting

Dominating Shopping Loop



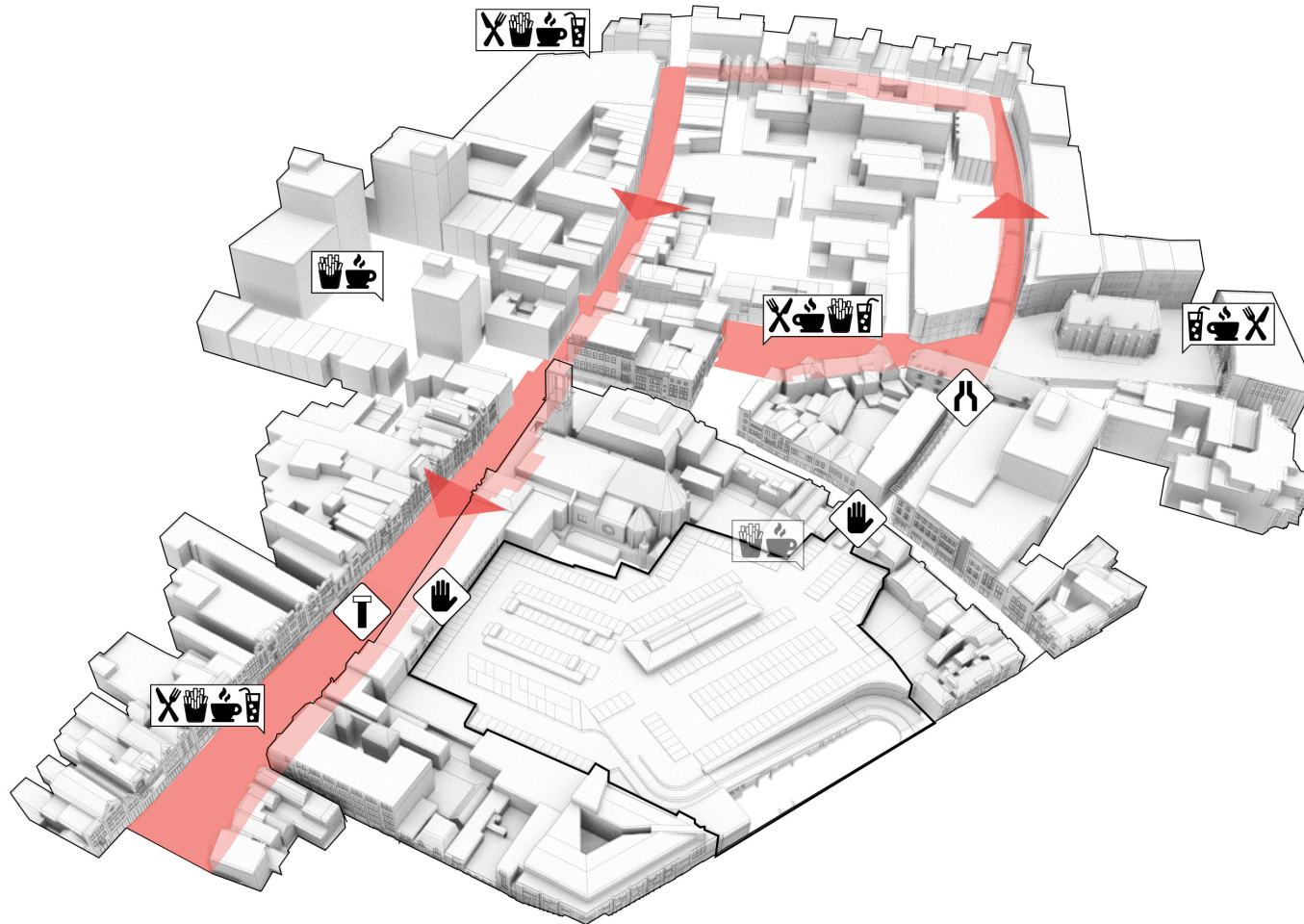
Predominant Shopping Loop
Ratio of Franchises Gastronomy/Retail



FRANCHISES
 LOCAL NUMBER

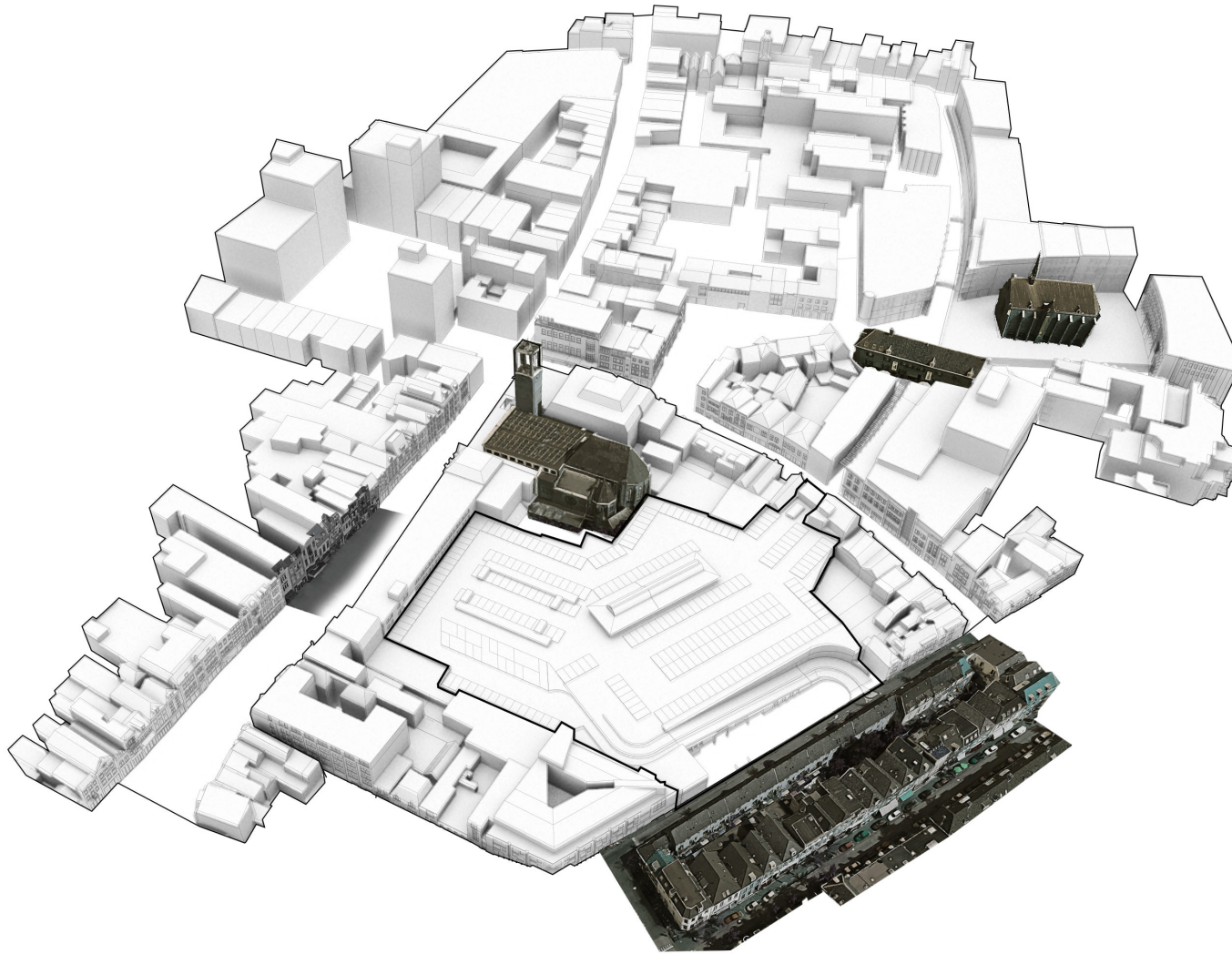
Urban setting

Disconnection of Molenpoort



Urban setting

Dominating Shopping Loop



Molenpoort & Passage des Panoramas, Paris
Case study to better understand retail spaces



“These arcades, a recent invention of industrial luxury, are glass-roofed, marble-panelled corridors extending through whole blocks of buildings, whose owners have joined together for such enterprises. Lining both sides of the corridors, which get their light from above, are the most elegant shops, so that the arcade is a city, a world in miniature, in which customers will find everything they need.”

— Walter Benjamin, *The Arcades Project*

Molenpoort & Passage des Panoramas, Paris
Case study to better understand retail spaces



Importance of alignment

Passage Verdeau, Passage Jouffroy, Passage des Panoramas

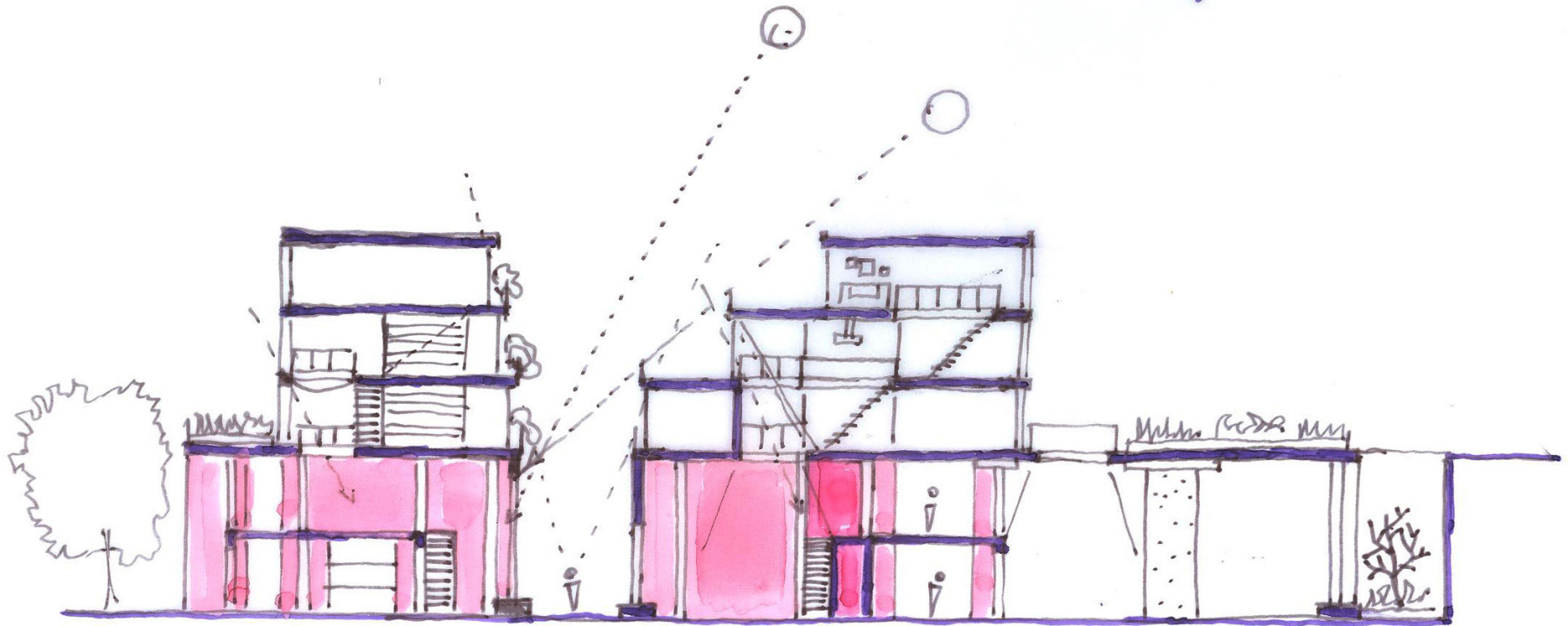


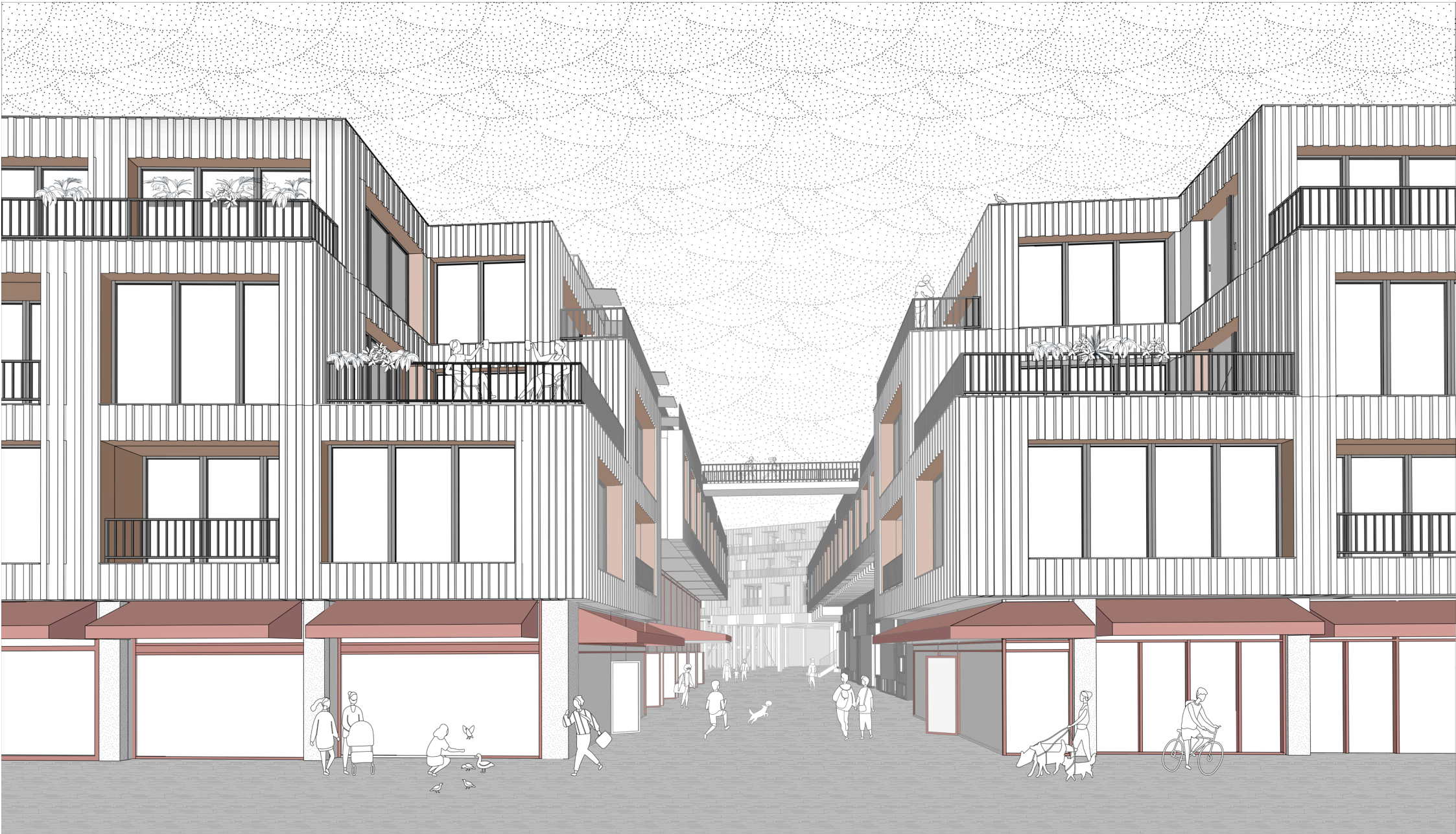
Importance of alignment

Passage Verdeau, Passage Jouffroy, Passage des Panoramas

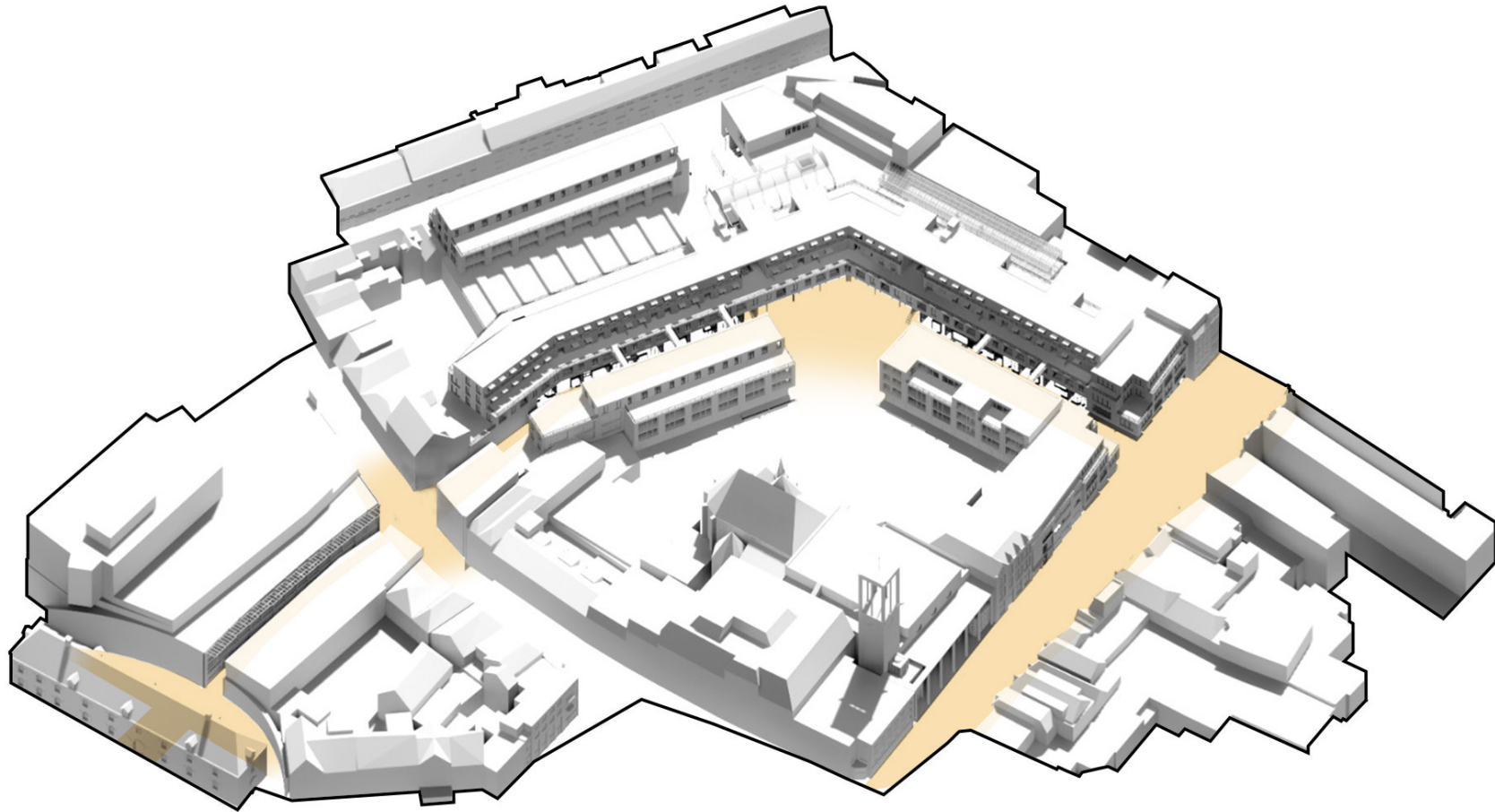


Building along Shopping Loop
And reinterpreting Passage

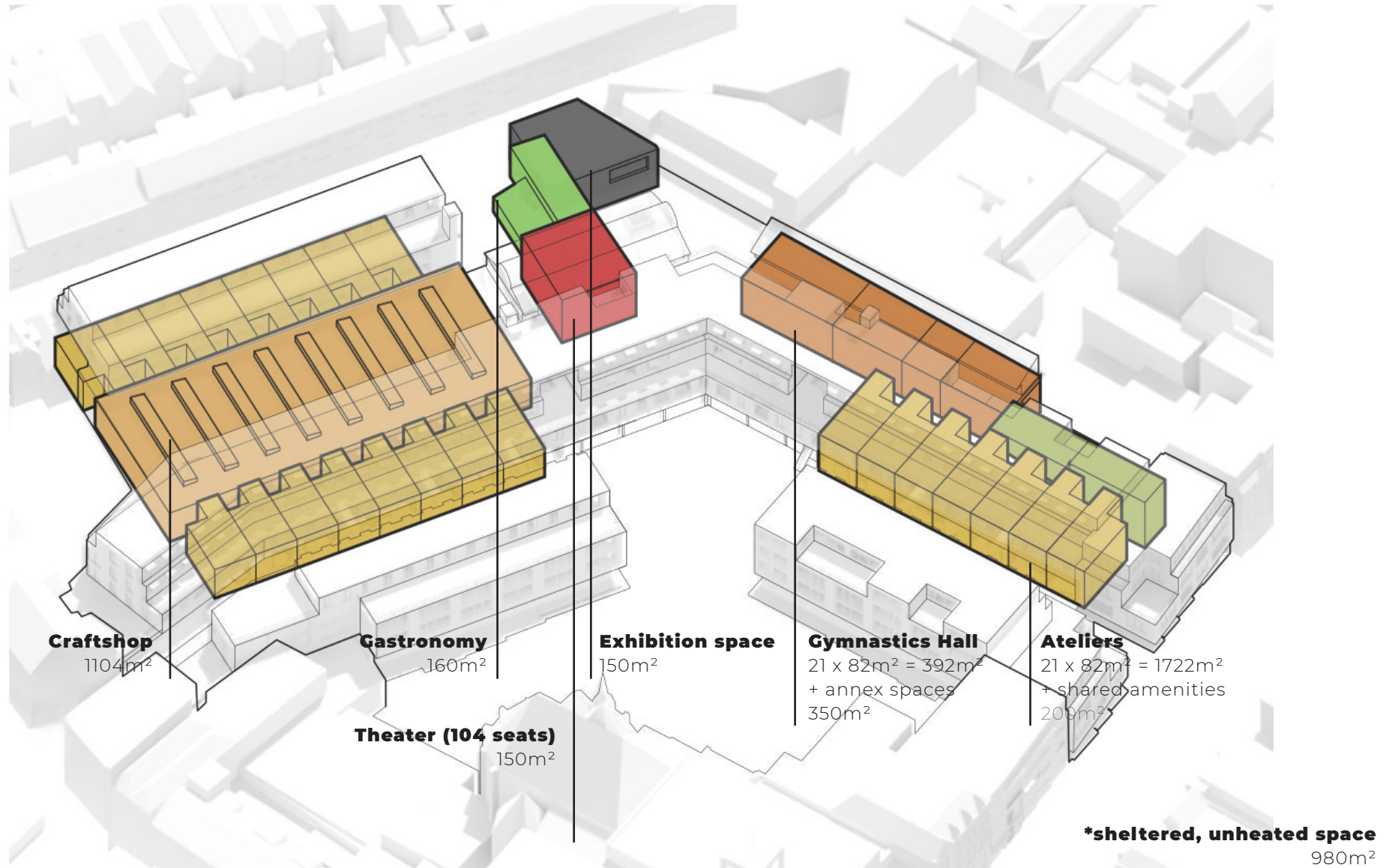


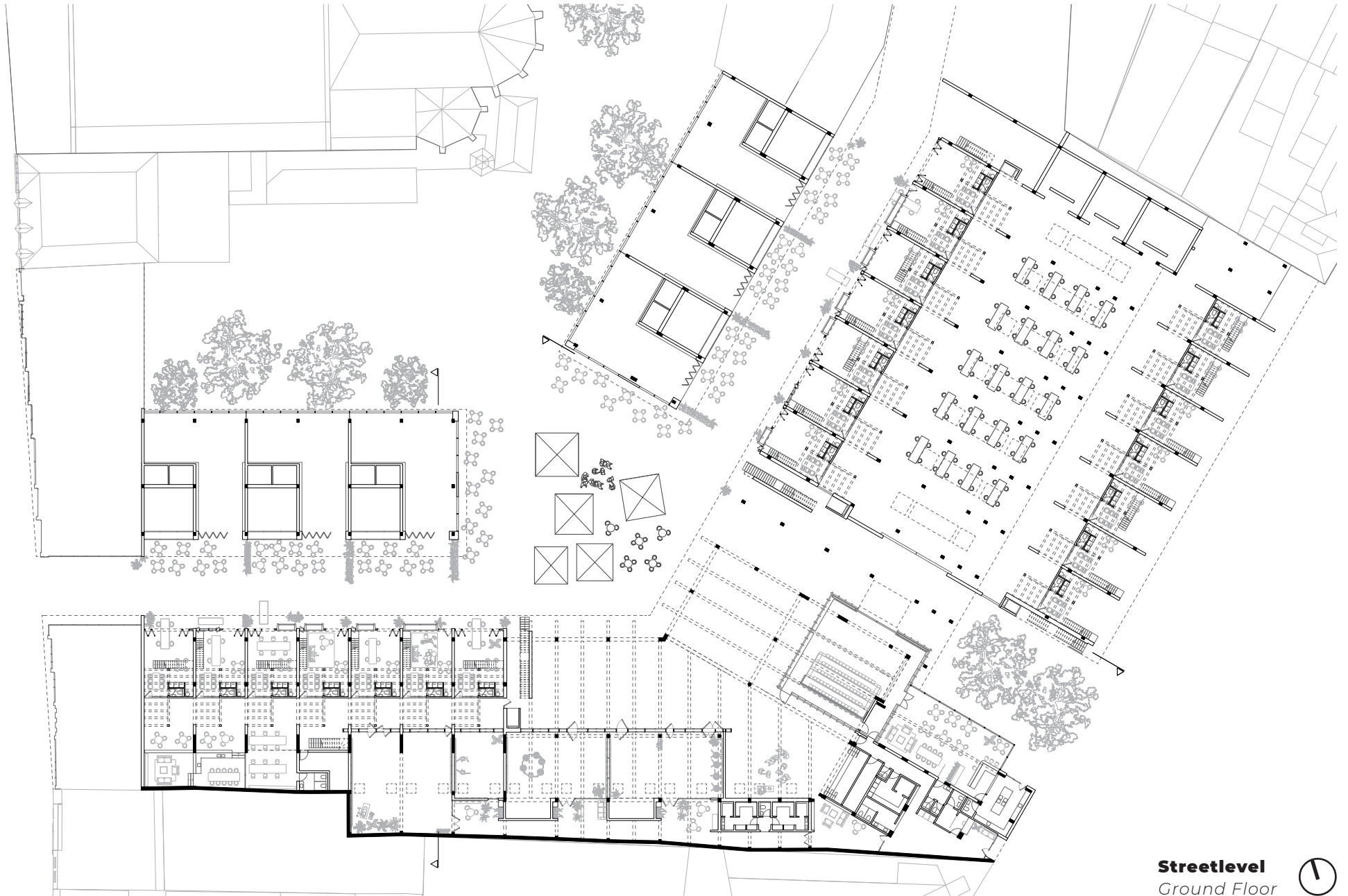


Completion of Shopping Loop



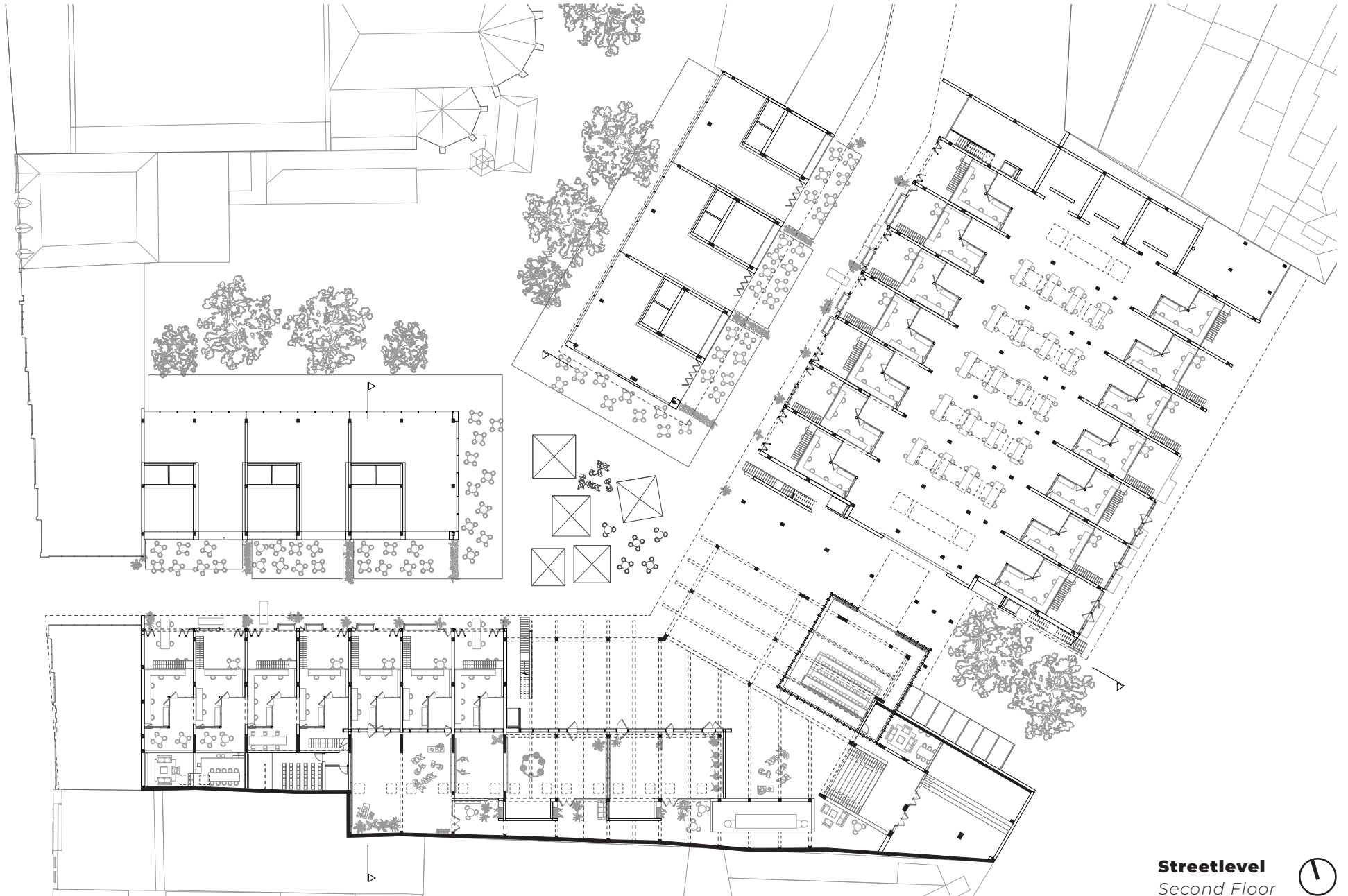
'Gadgets' and voids for creative community





Streetlevel
Ground Floor



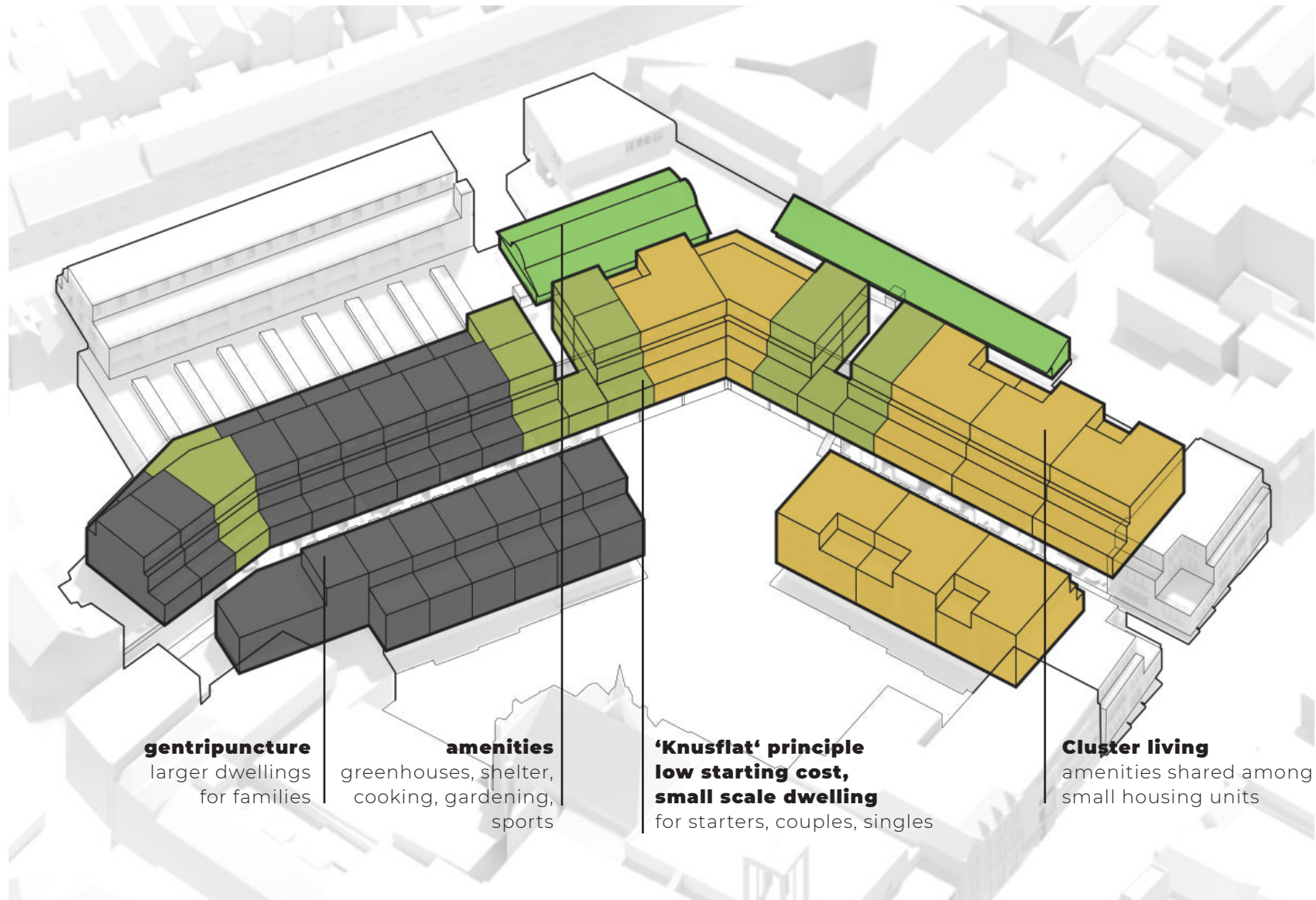


Streetlevel
Second Floor



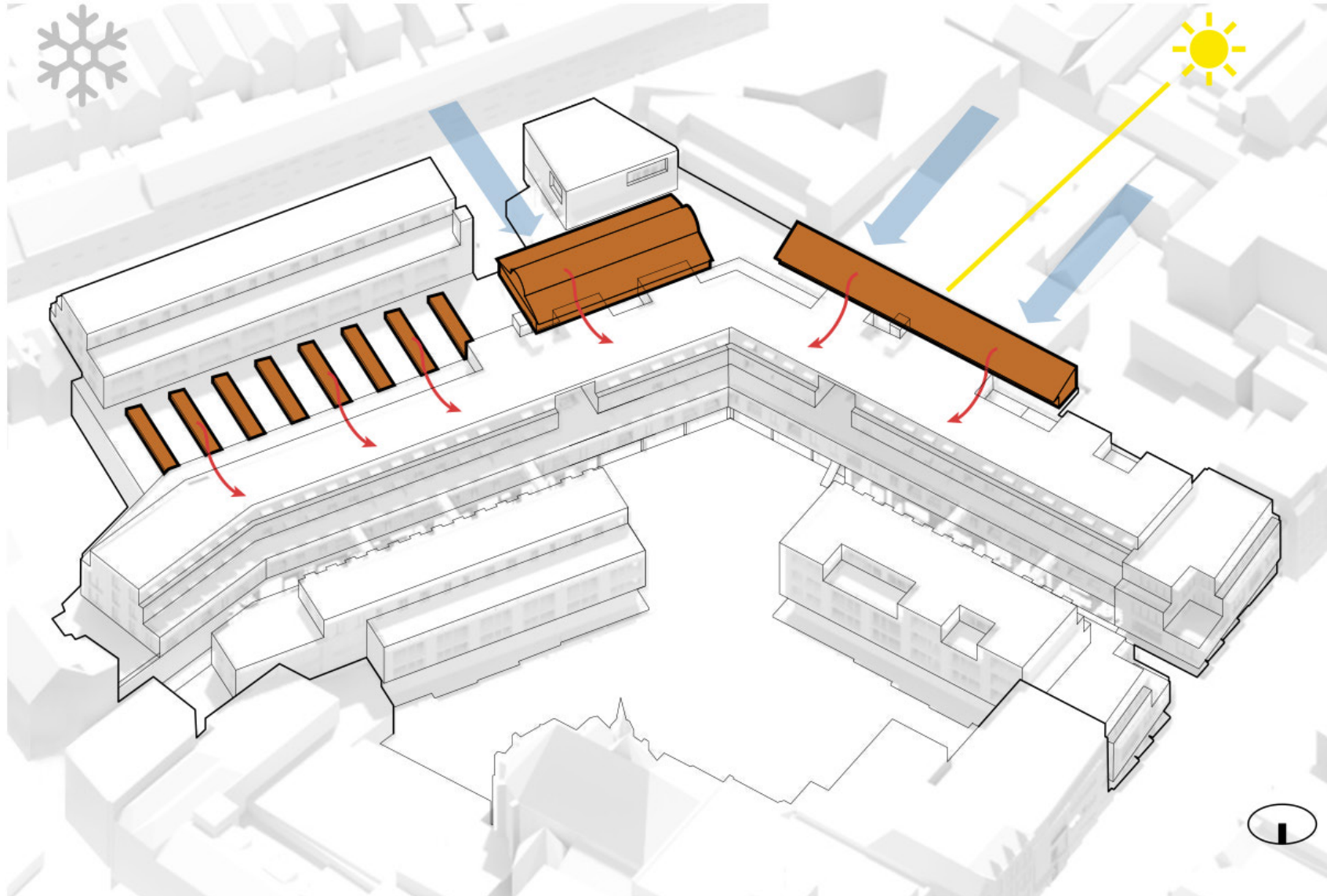
Strategy for 'positive' gentrification

A cocktail of existing strategies



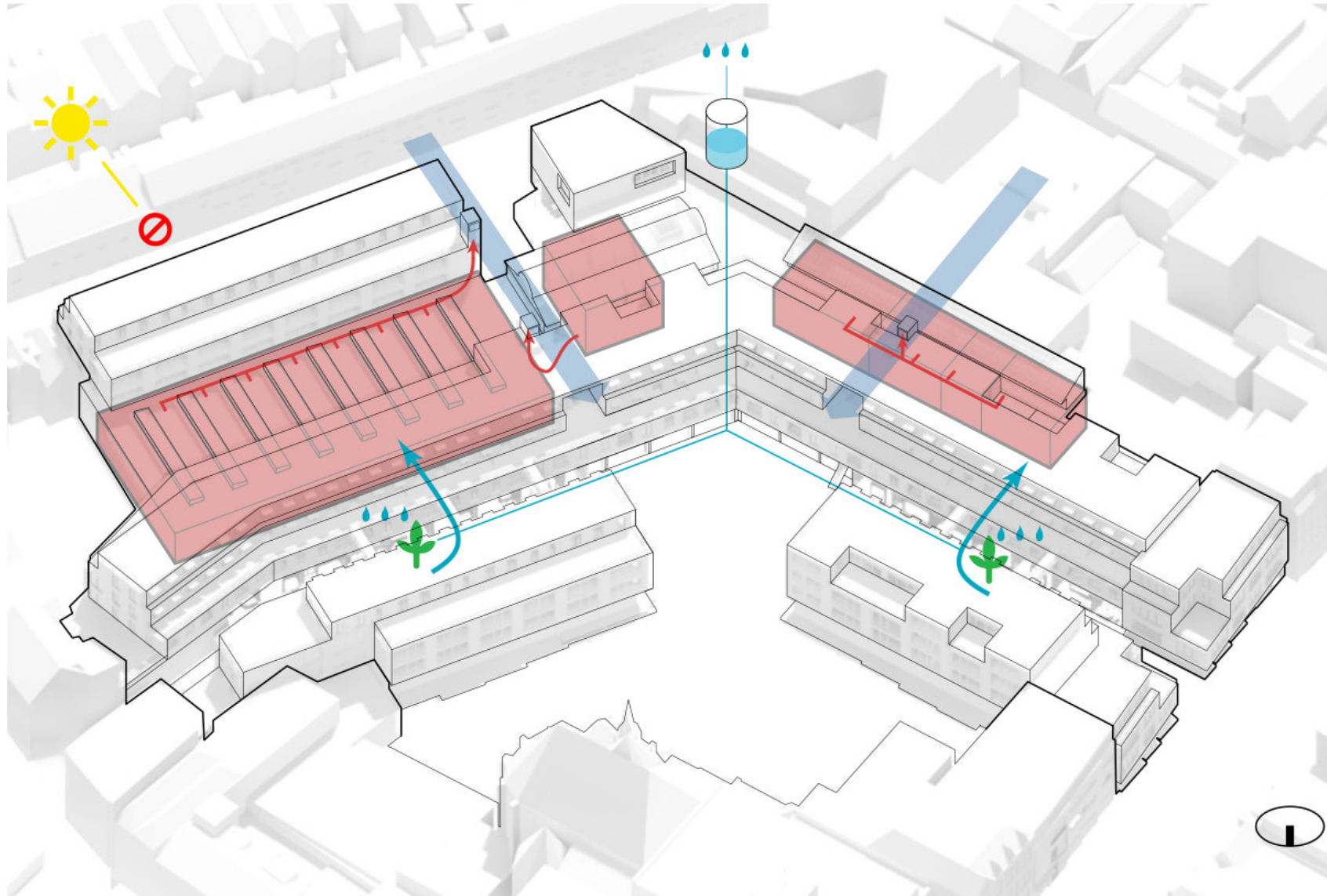
Climate diagram winter

Amenities serve secondary purpose in winter



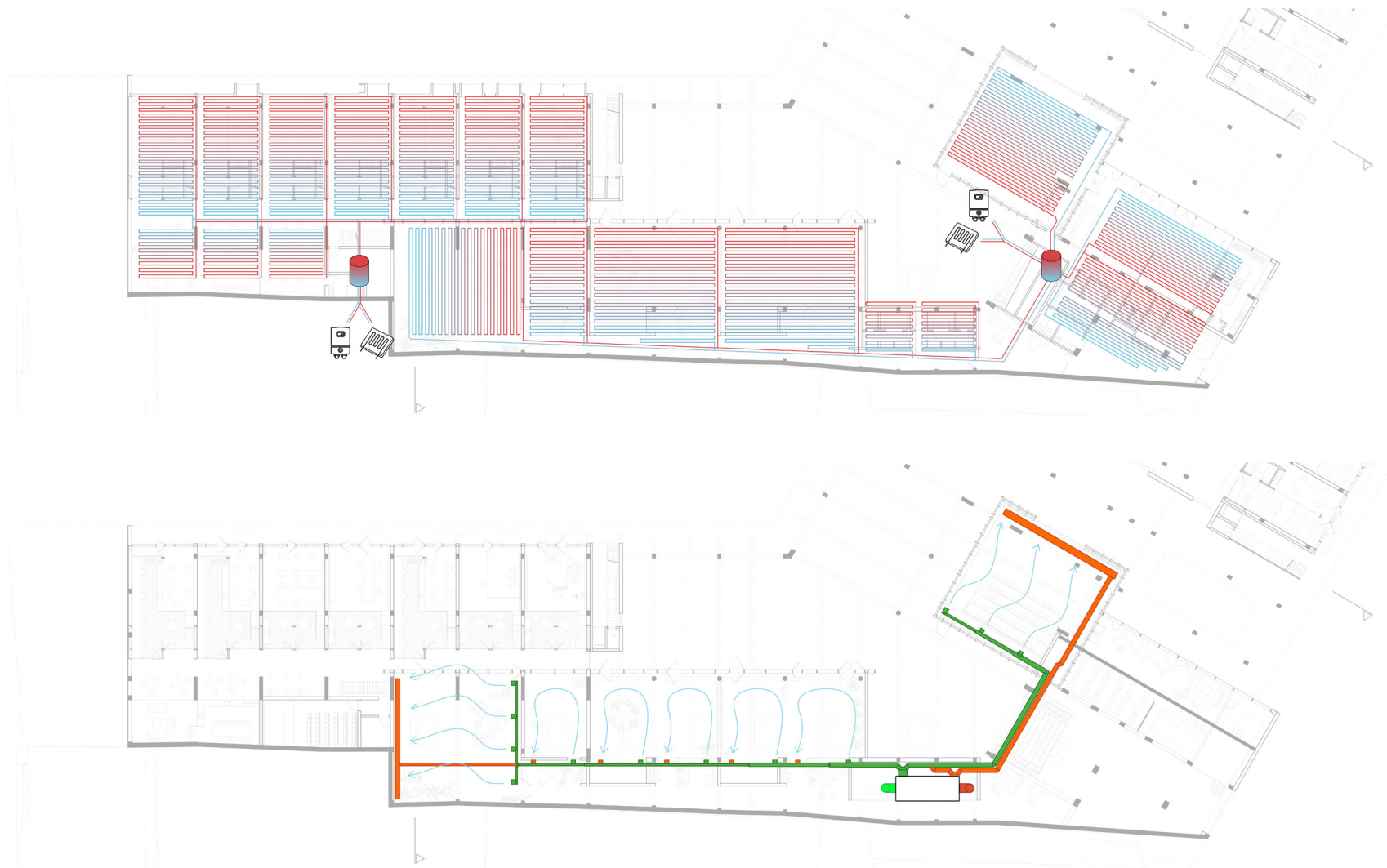
Climate diagram summer

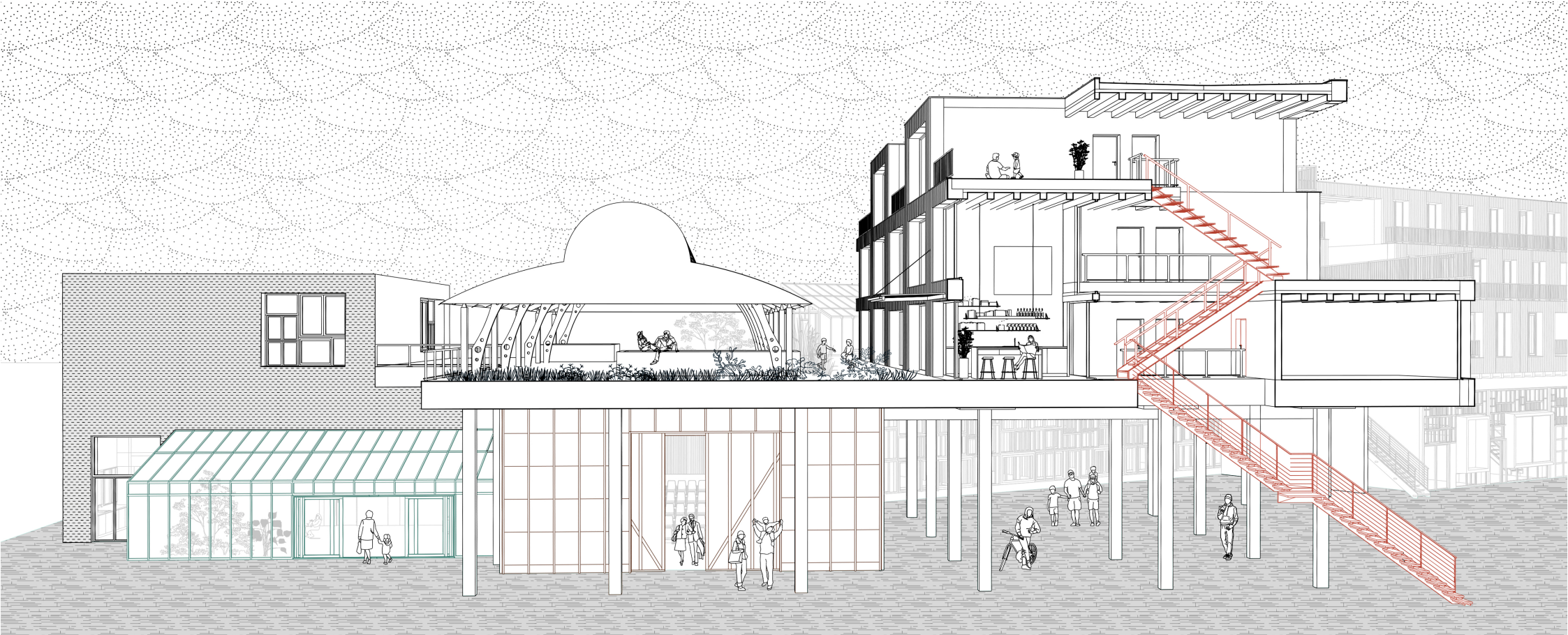
Using orientation and housing for shadow and windcatching

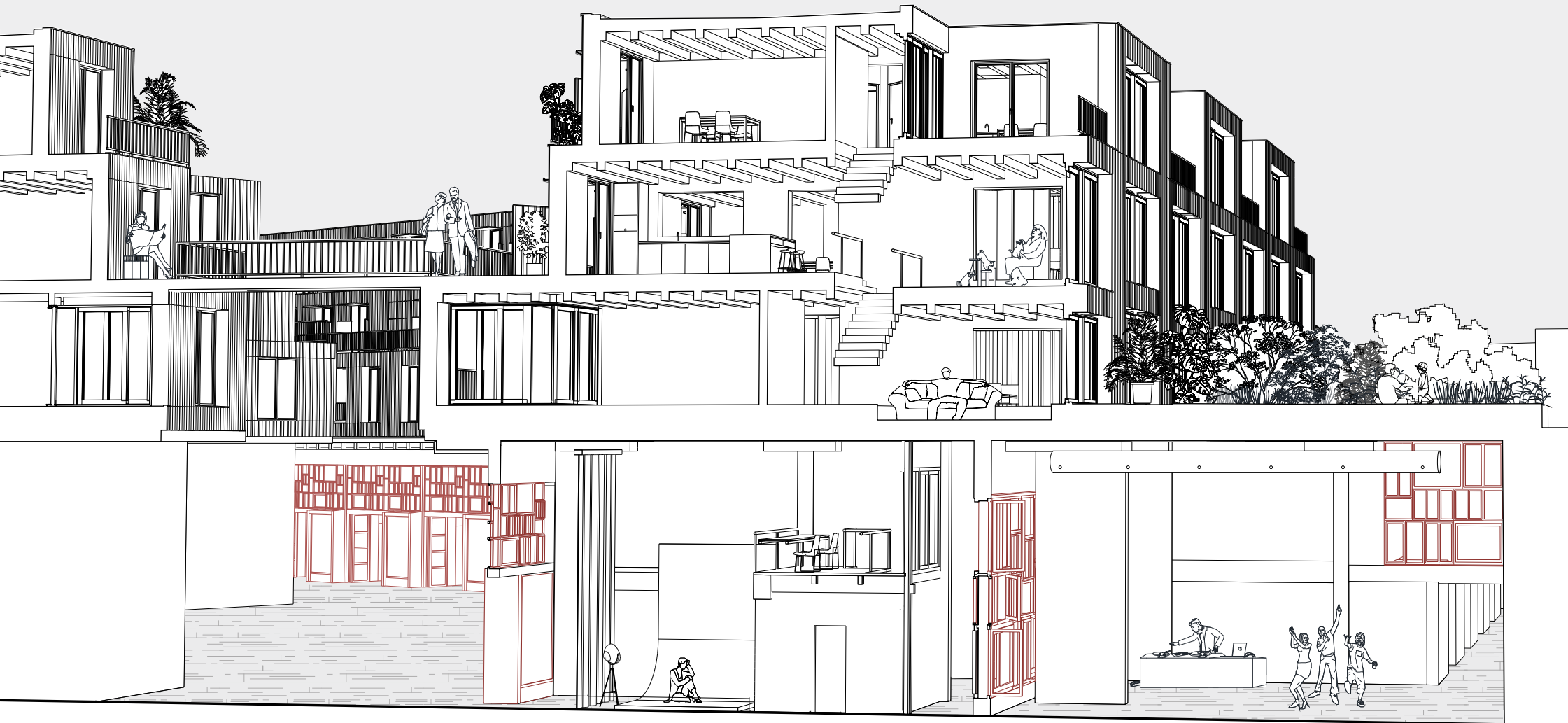


Heating & Ventilation

Position of Floor Heating and Air inflow

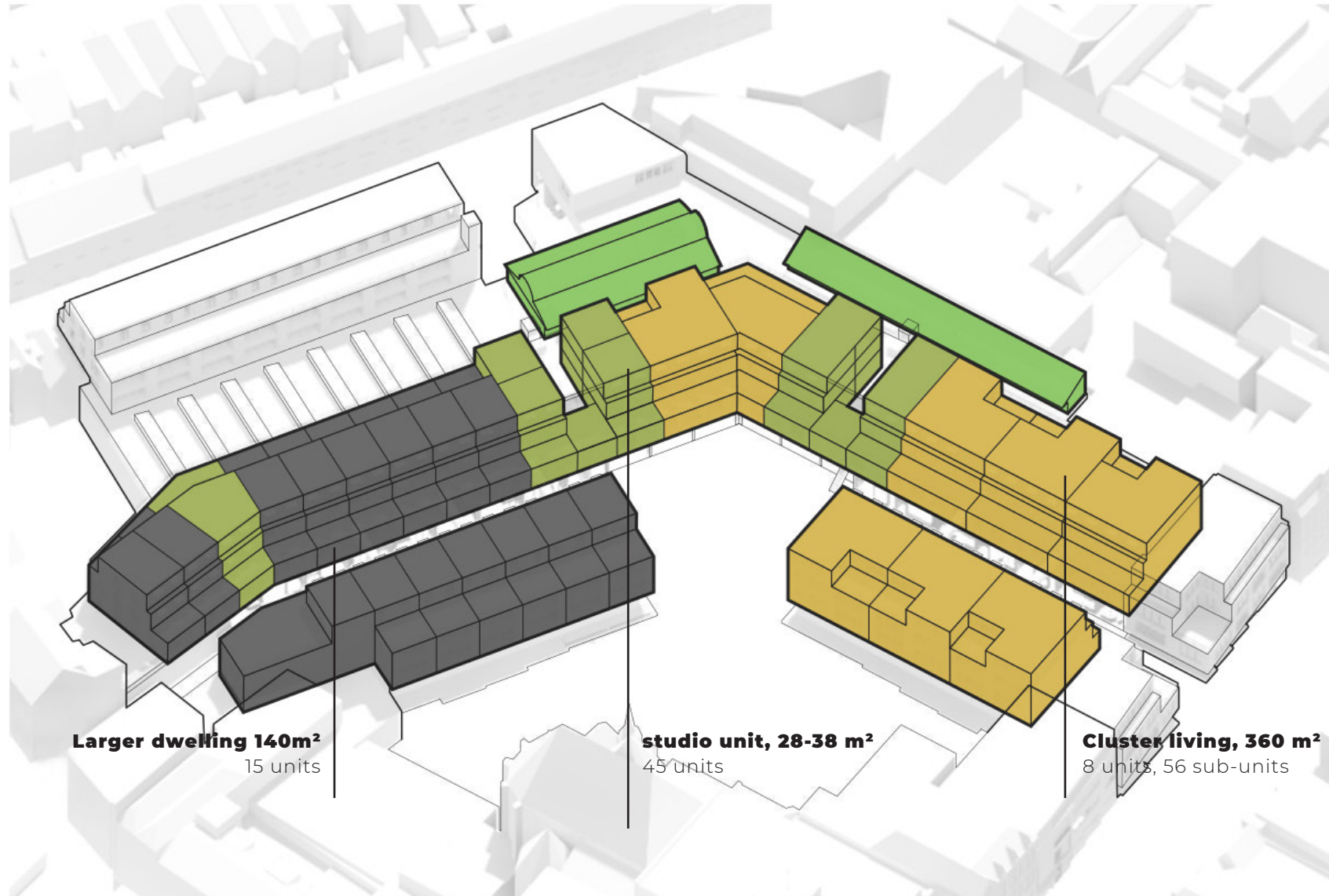




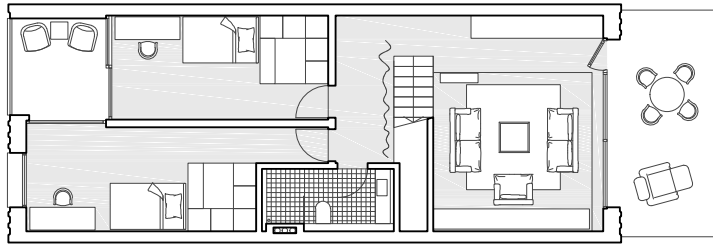


Strategy for 'positive' gentrification

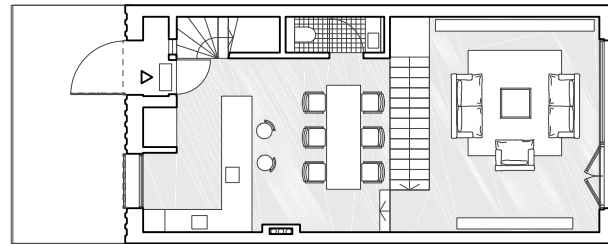
A cocktail of existing strategies



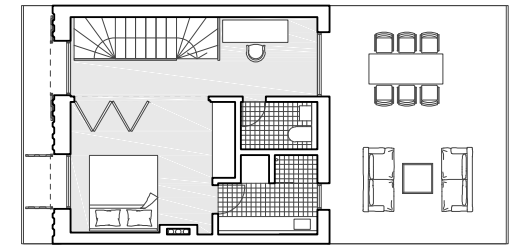
Family Housing Unit
140 m²



Lower Floor



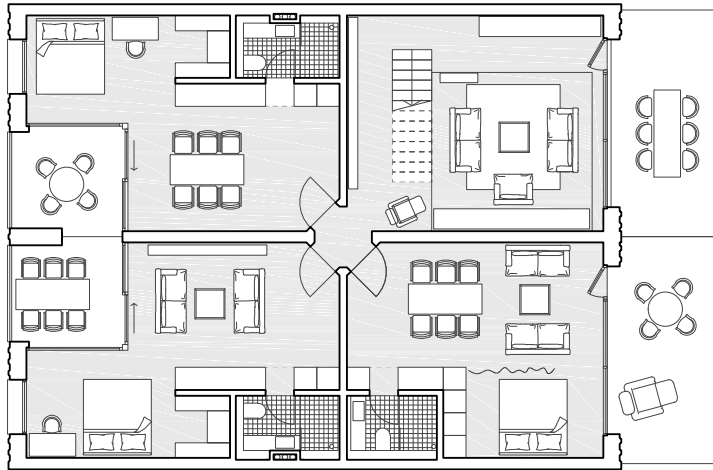
Middle Floor



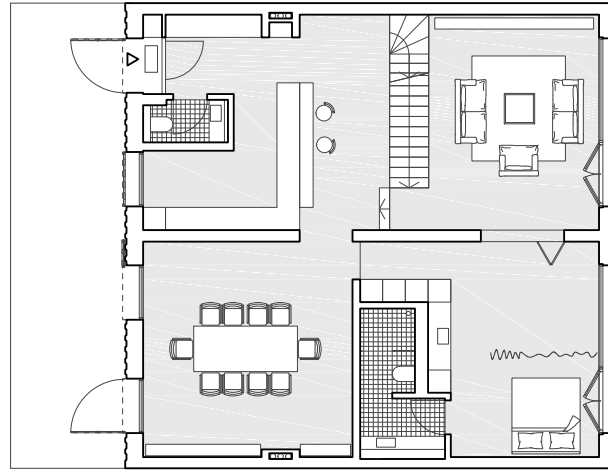
Upper Floor

Cluster Living Unit

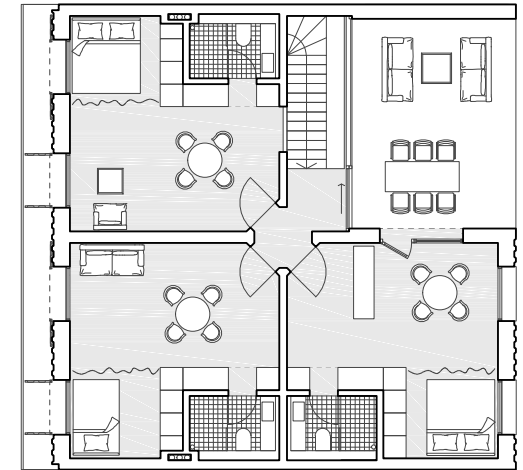
360 m² (7 parties, 51 m² per Unit)



Lower Floor



Middle Floor



Upper Floor

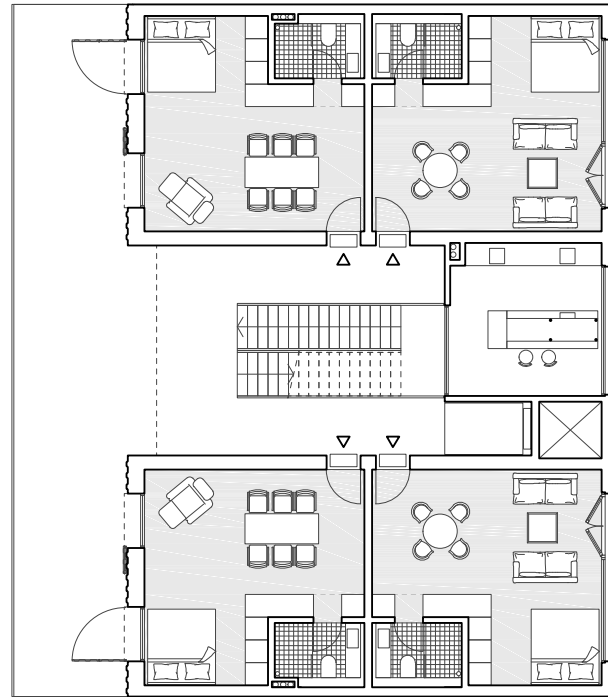
Studio apartments around Core

2x 27m² / 7x 30 m²

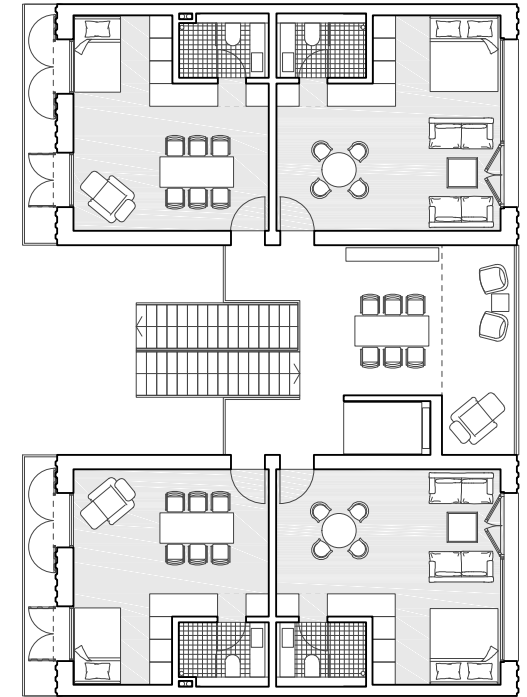
2 x 35 m² / 2 x 38 m²



Lower Floor

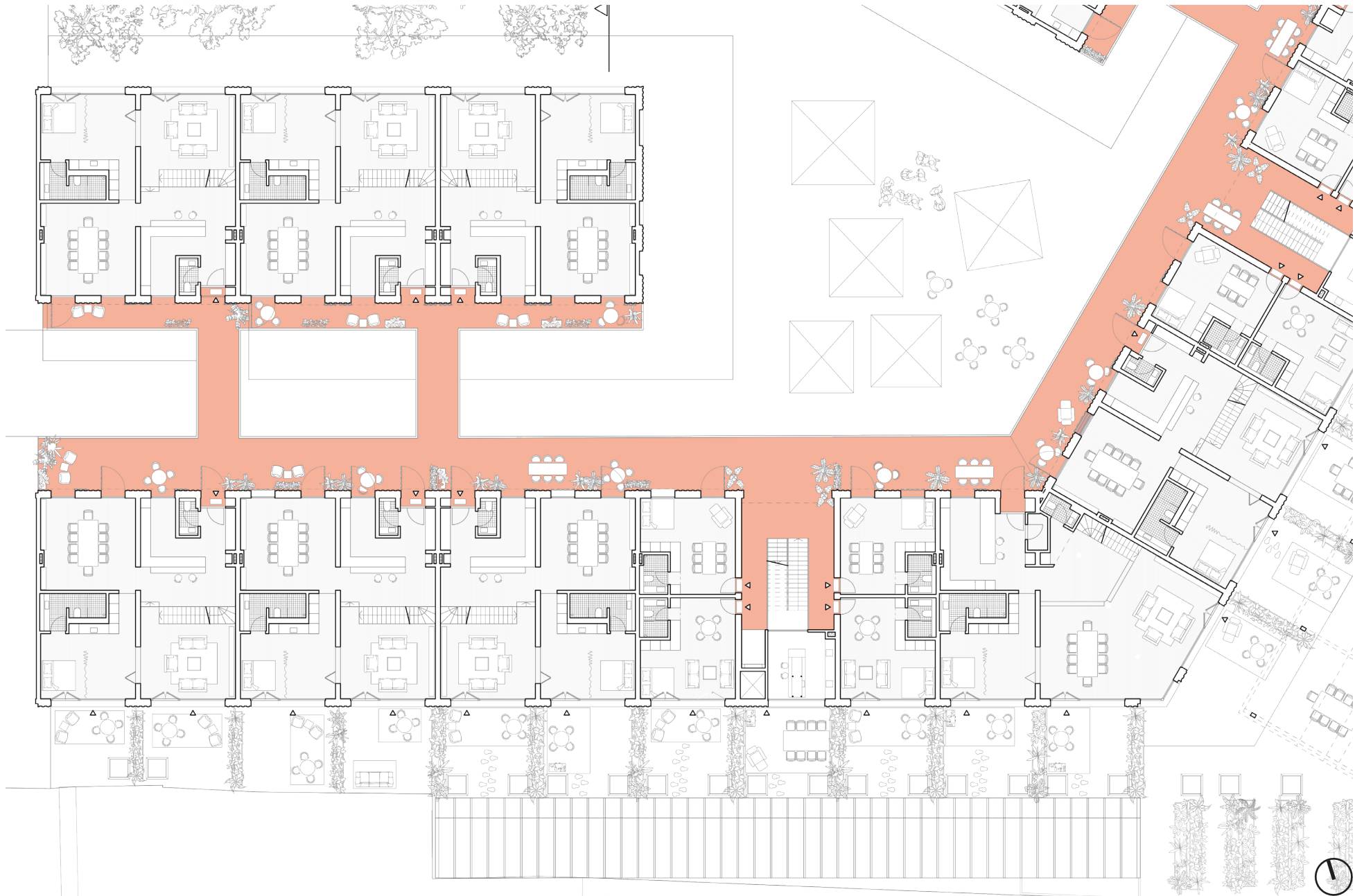


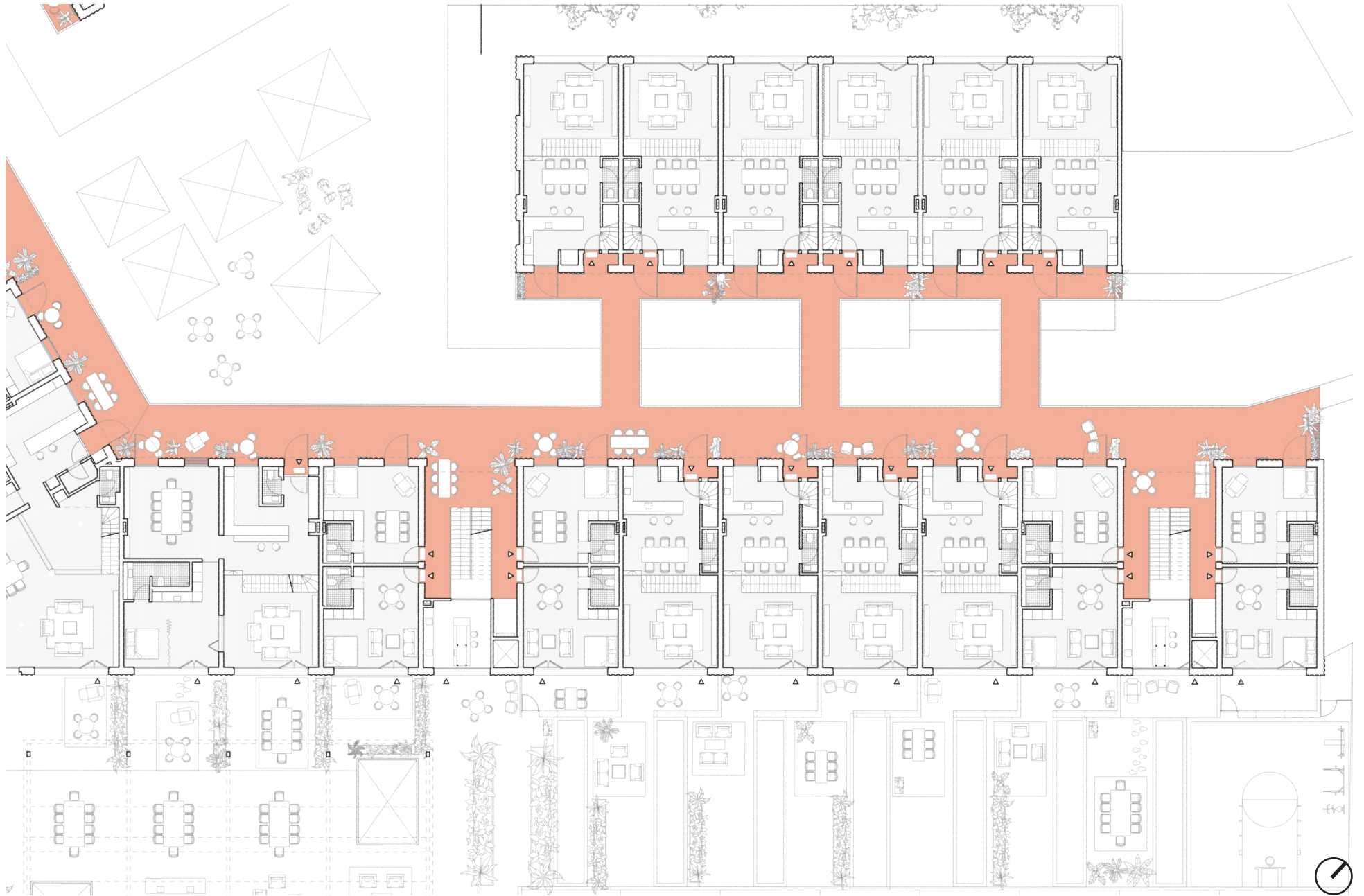
Middle Floor



Upper Floor















Thank you!

// RAPHAËL WENDT, TU Delft, Faculty of Architecture and the Built Environment
Urban Architecture Graduation Studio 'Bricolage', Spring semester 2021
Mentors: Paul Vermeulen, Aurélie Hachez, Jelke Fokkinga, Leeke Reinders, Bieke Cattoor //

