Palác Florenc

/

A dialogue between technology and the public realm in the urban palace

Student Andreea Visan

Mentors Susanne Komossa
Niklaas Deboutte
Stephan Verkuijlen

fascination

Andy Warhol – Campbell's Soup Cans, 1962 (1)

GLOBAL CITIES

URBAN SPRAWL

GREAT INFRASTRUCTURAL NETWORKS

INFRASTRUCTURE

PRODUCTION

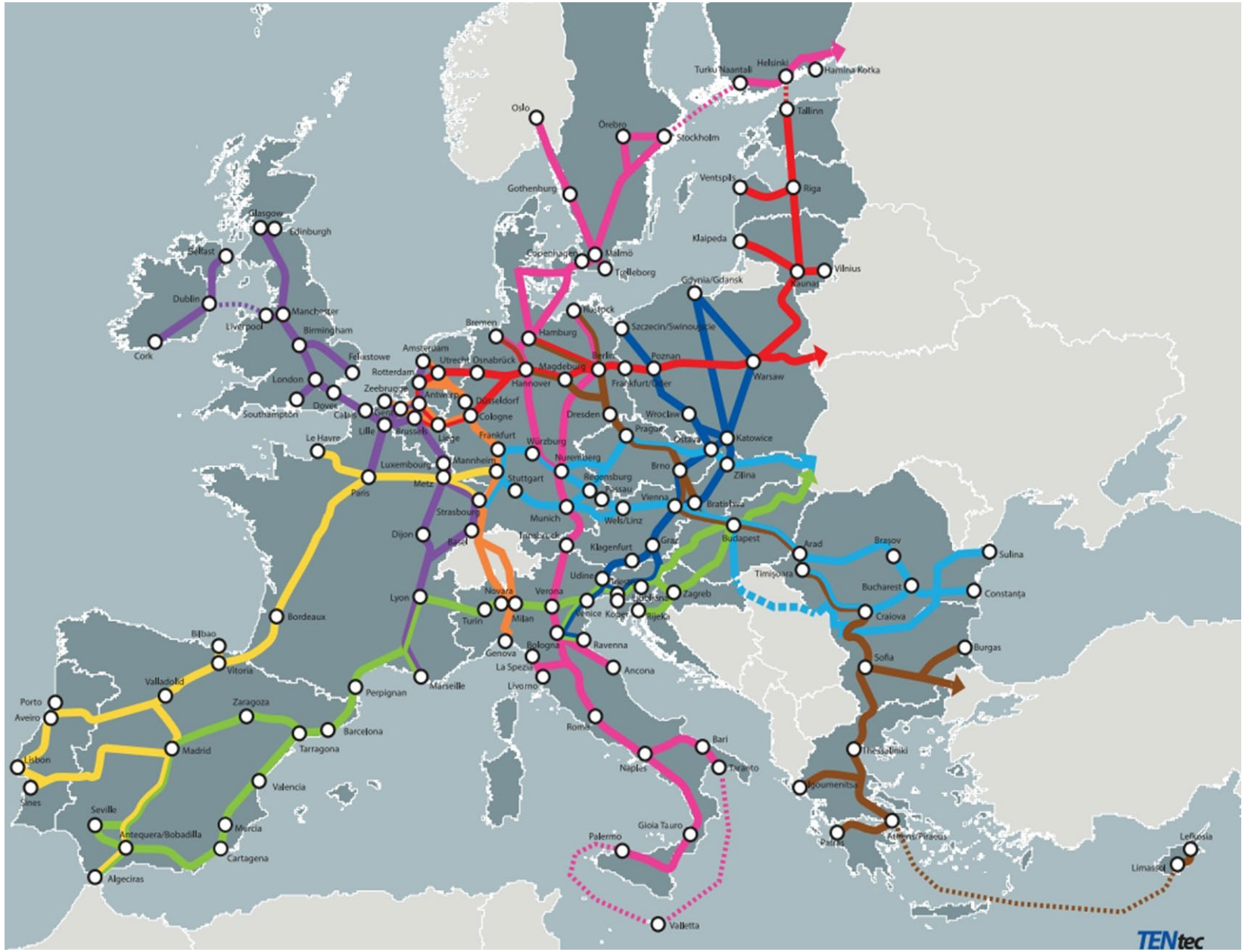
CONSUMPTION

fascination

Andy Warhol – Campbell's Soup Cans, 1962 (1)

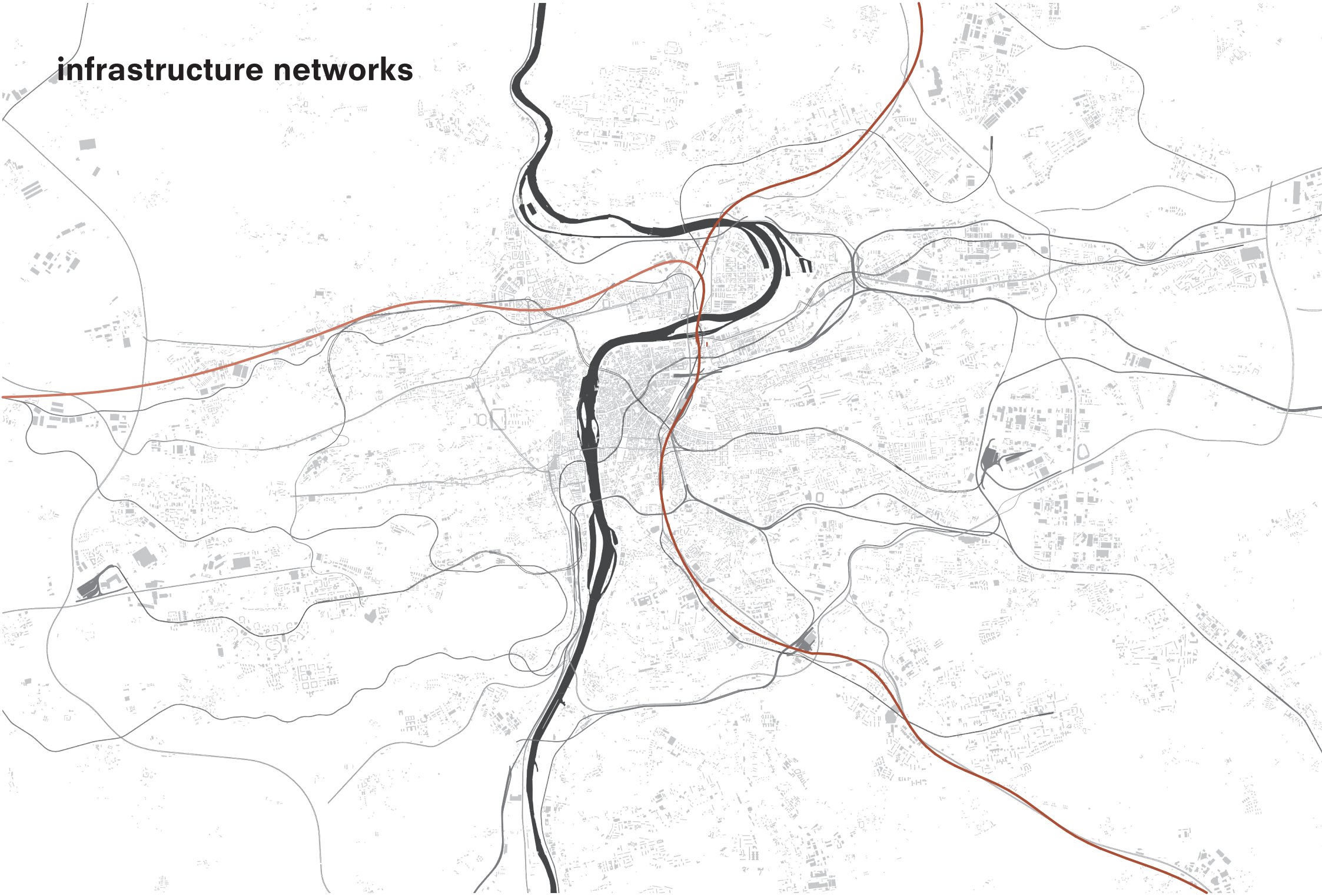
regional analysis

infrastructure networks

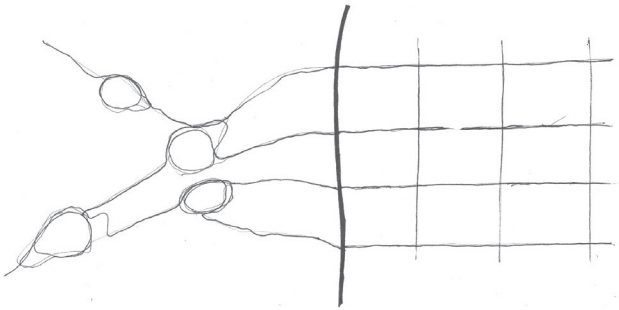


Trans-european transport network (2)

infrastructure networks

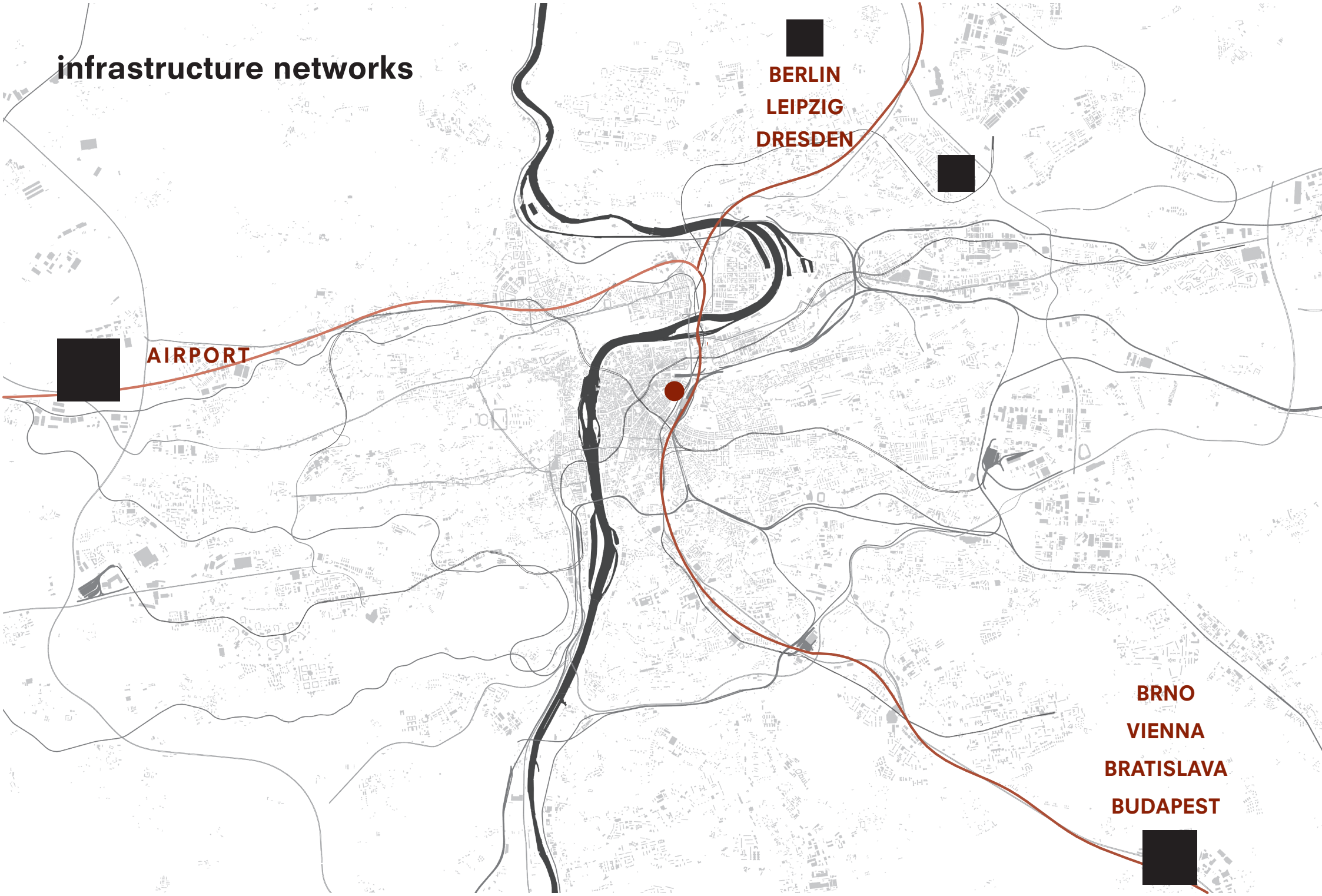


FIRST INDUSTRIAL DISTRICT | MAP 1870

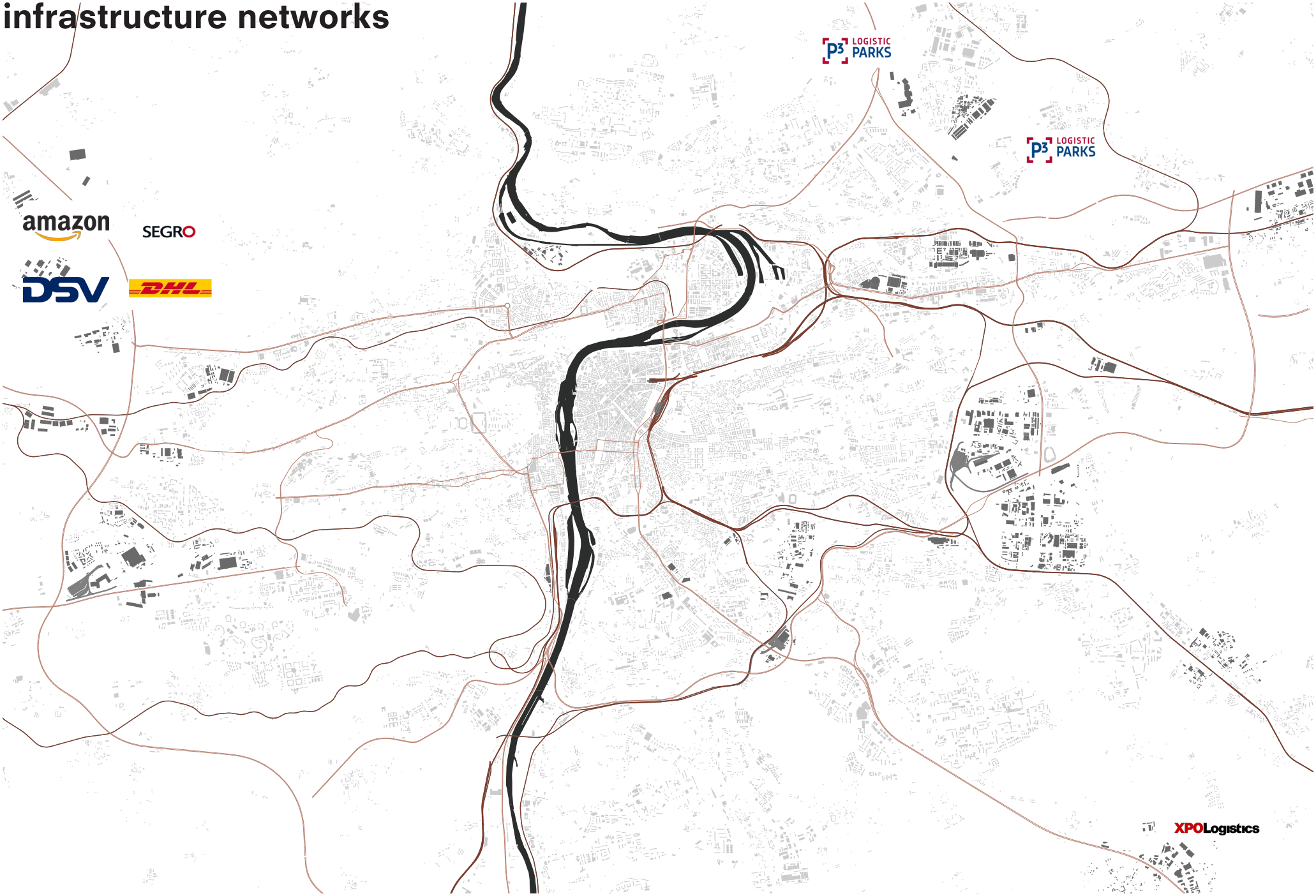


SITE PICTURES - DISRUPTION IN THE CITY

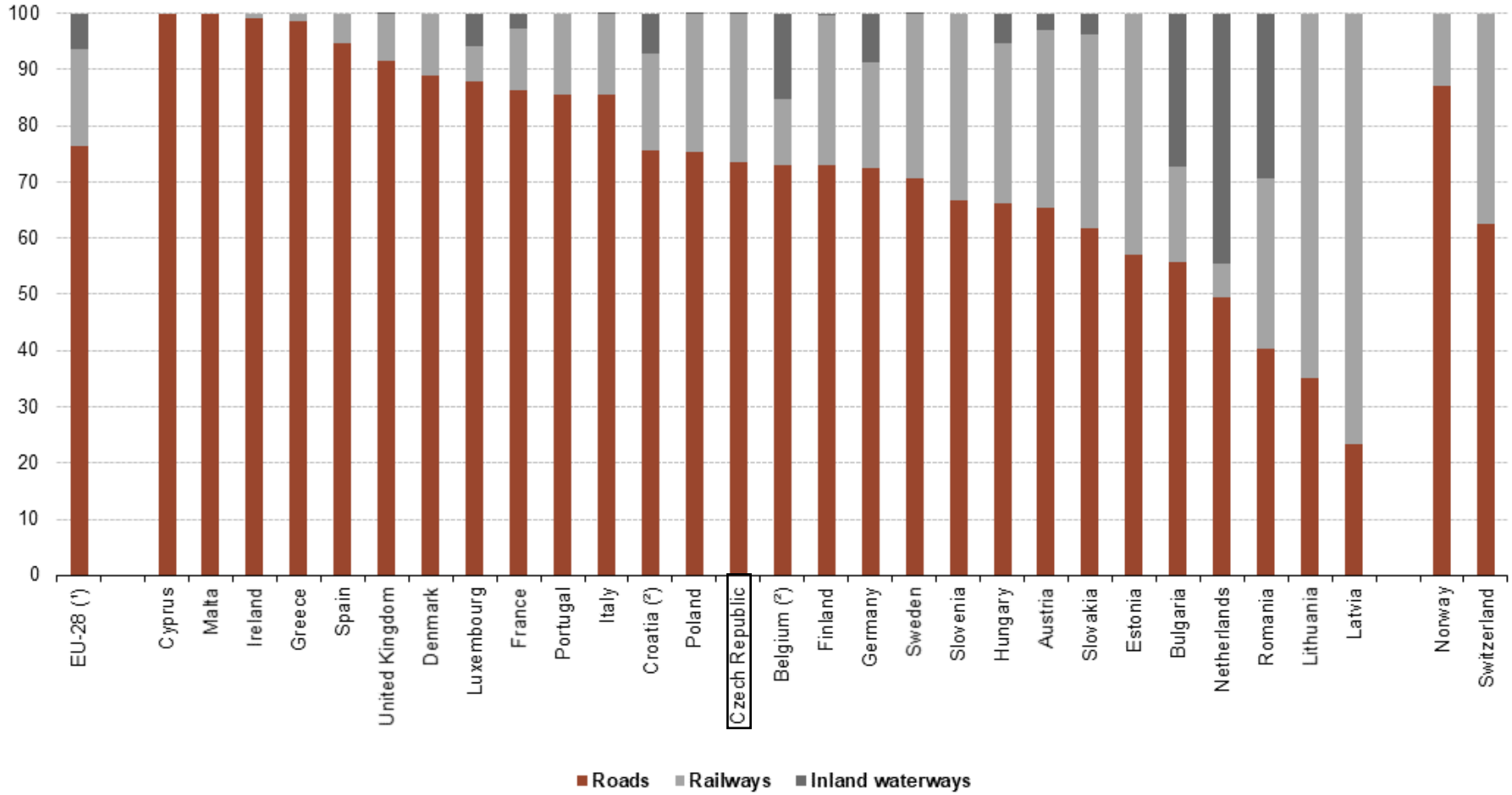
infrastructure networks



infrastructure networks



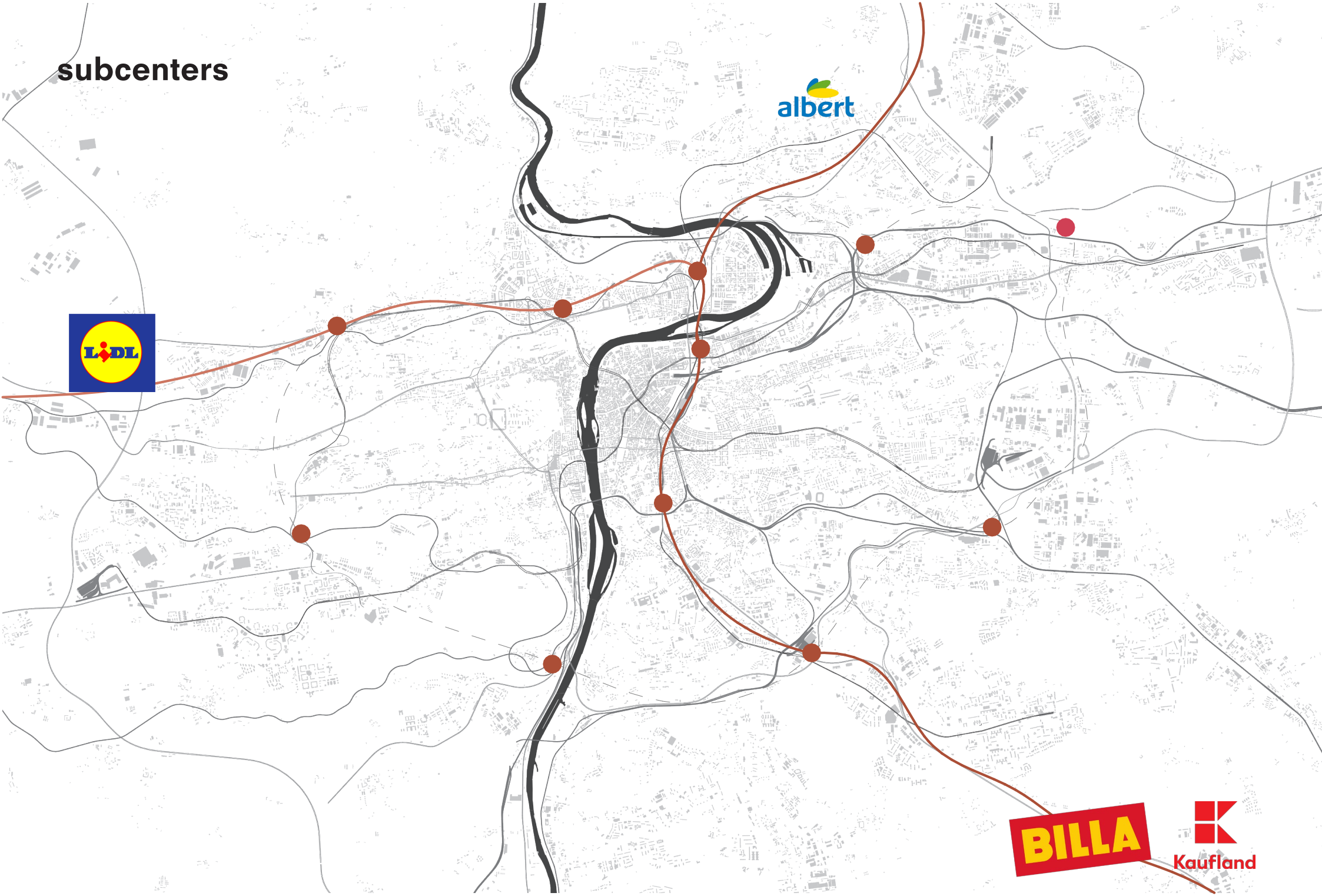
infrastructure networks



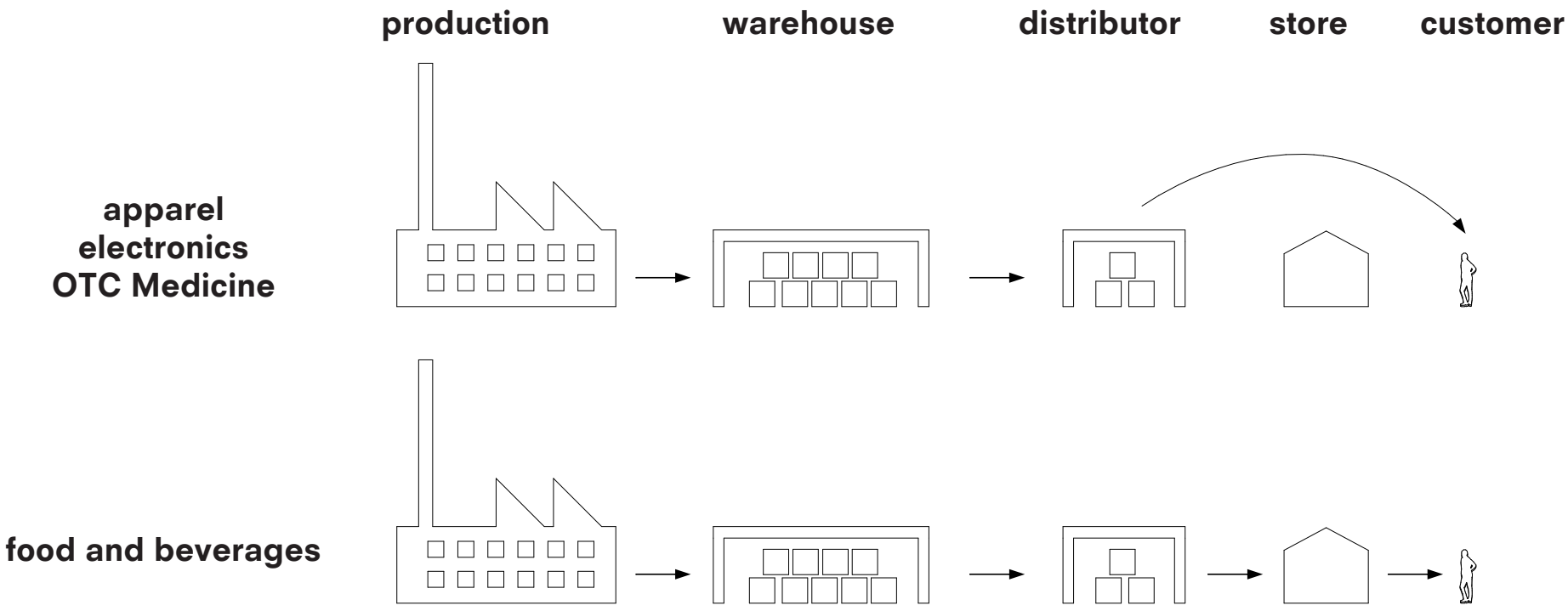

Towards a more
competitive rail
freight sector

subcenters

subcenters



supply chain



existing

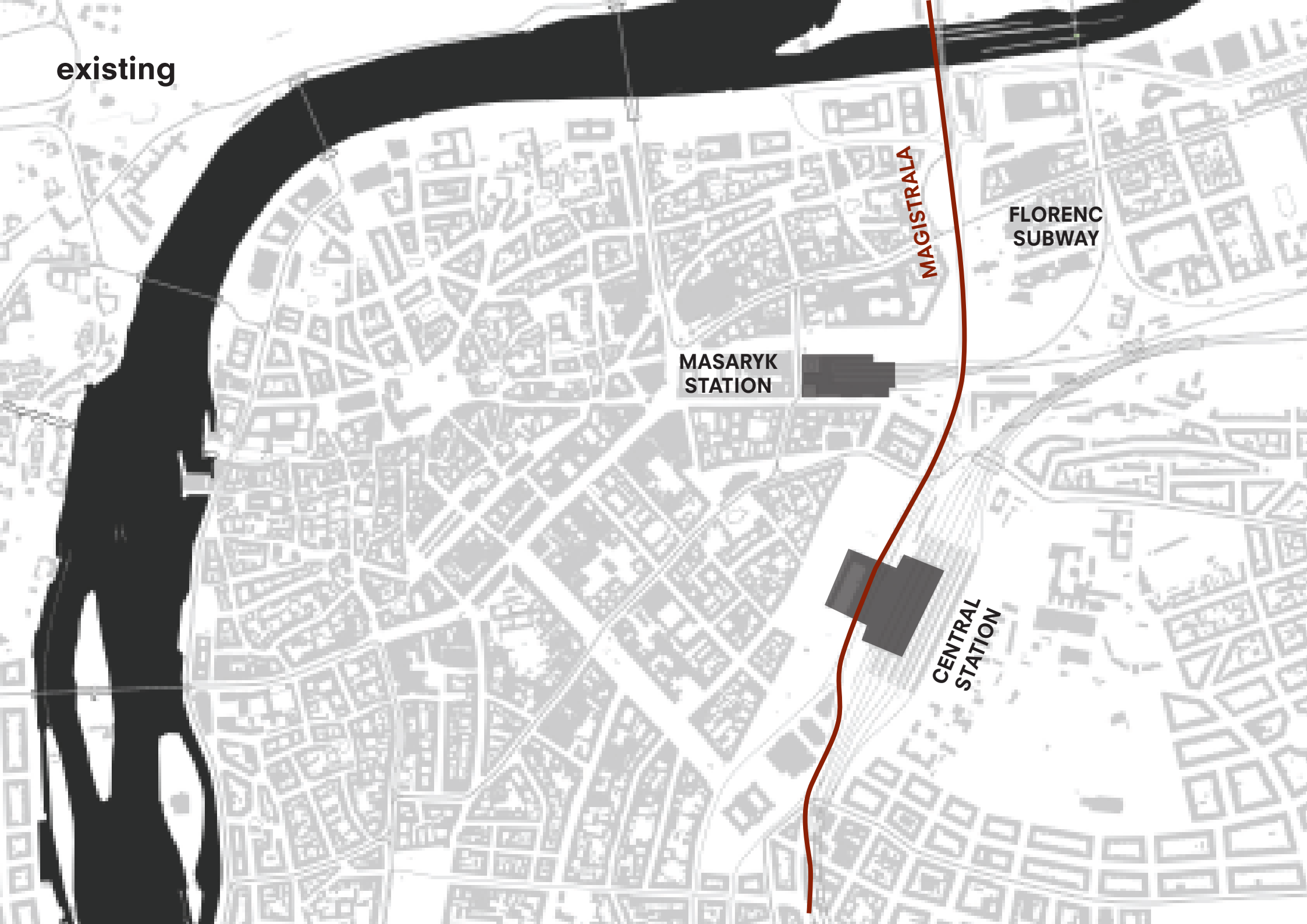
subcenters

subcenters

subcenters

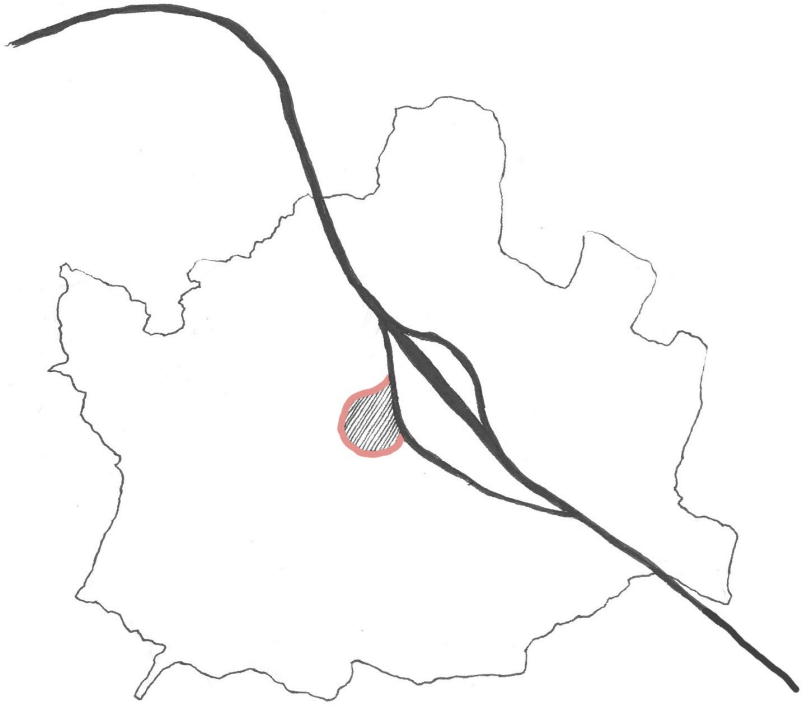
urban intervention


existing


existing
MAGISTRALA
FLORENC
SUBWAY
MASARYK
STATION
CENTRAL
STATION

models

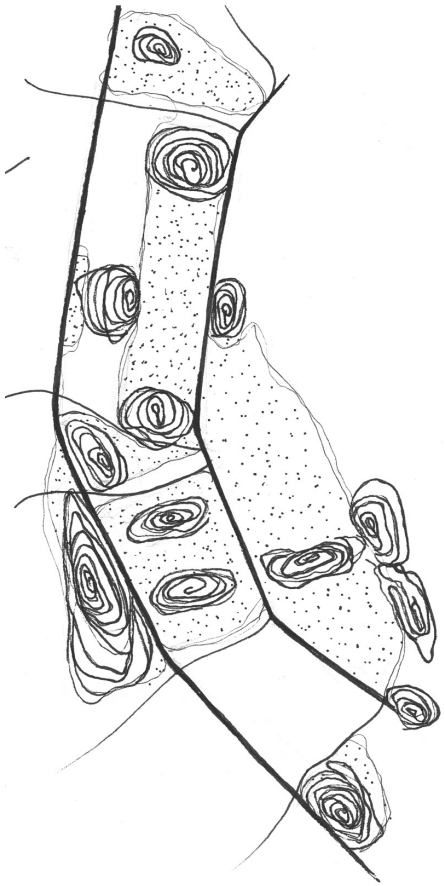
VIENNA



ANTWERP

models

VIENNA



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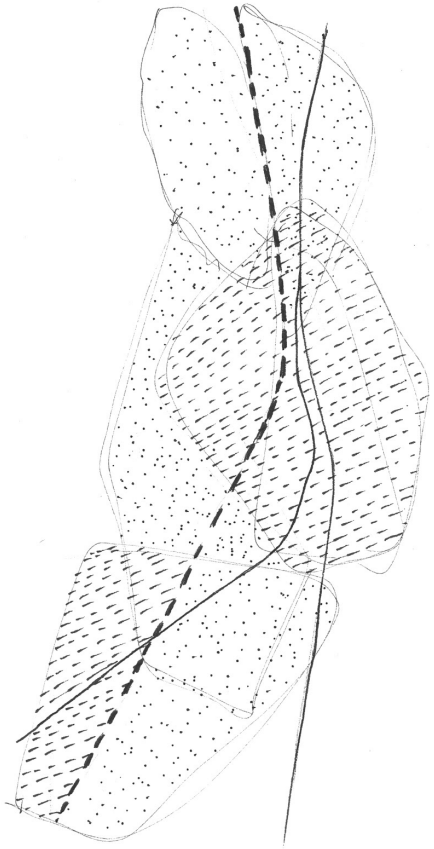
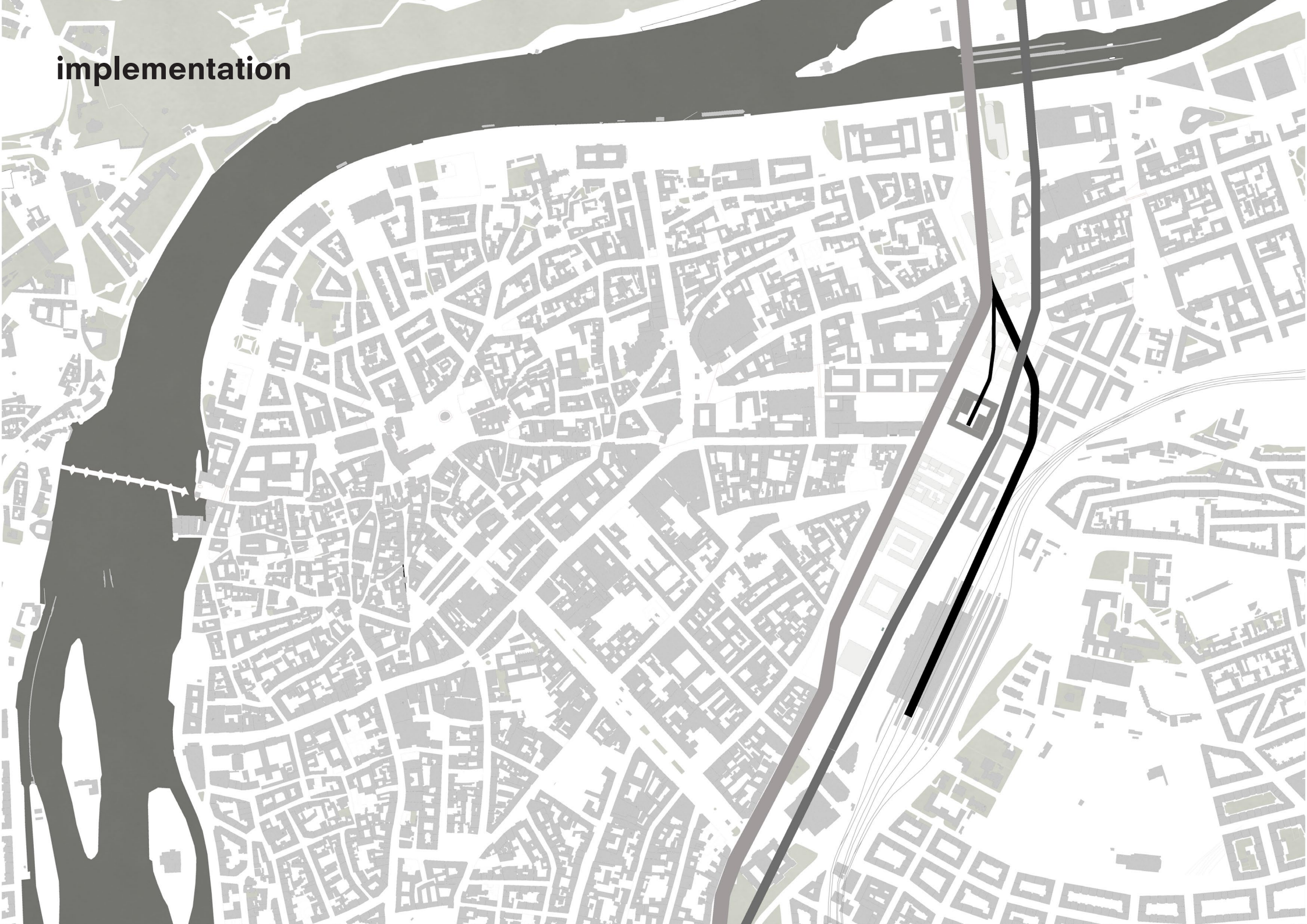


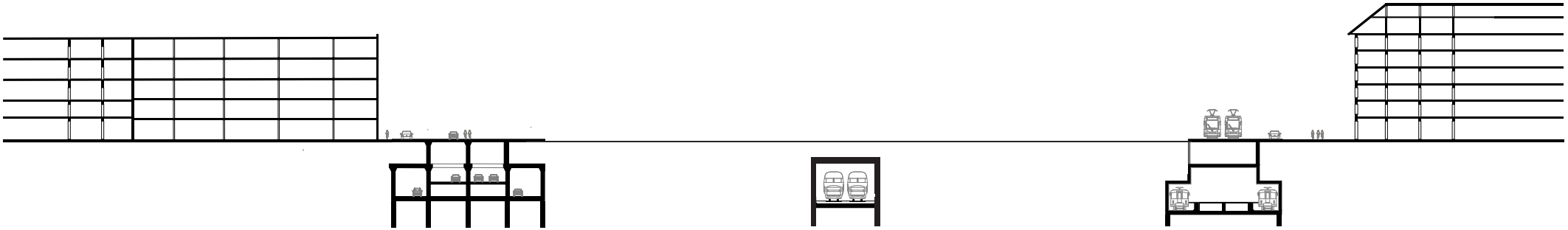
models

models

implementation

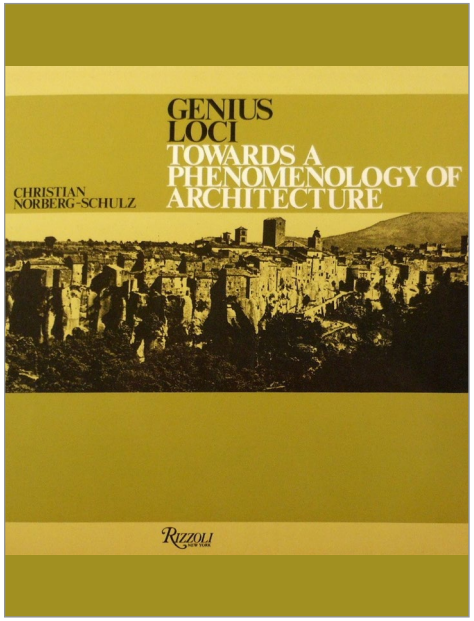


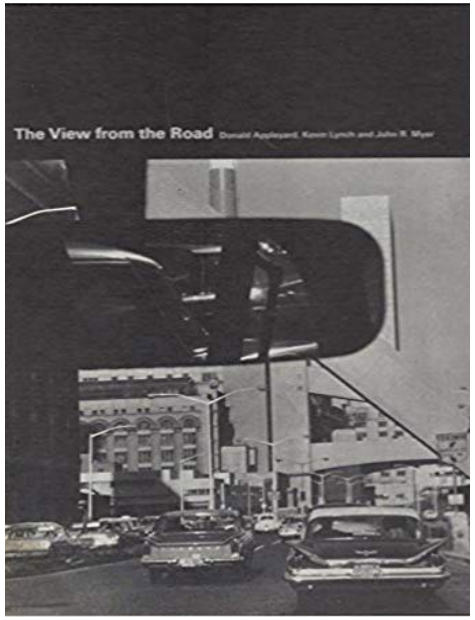
connections

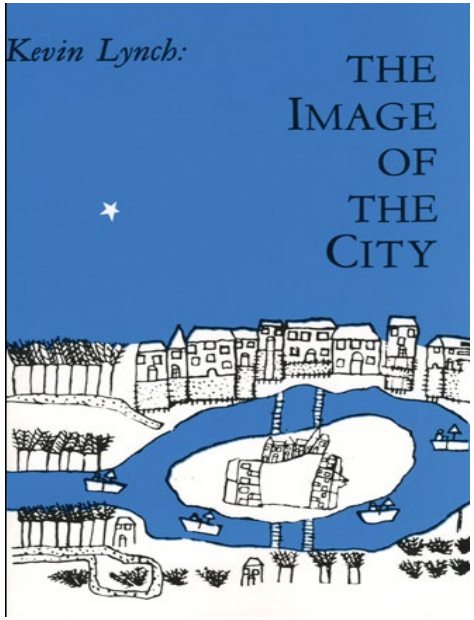


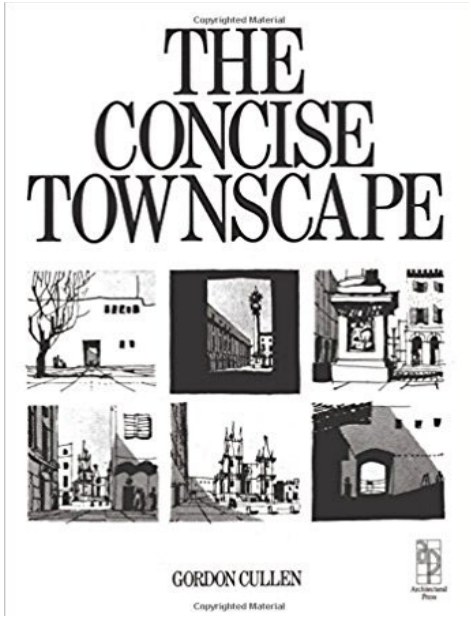
context

phenomenological research

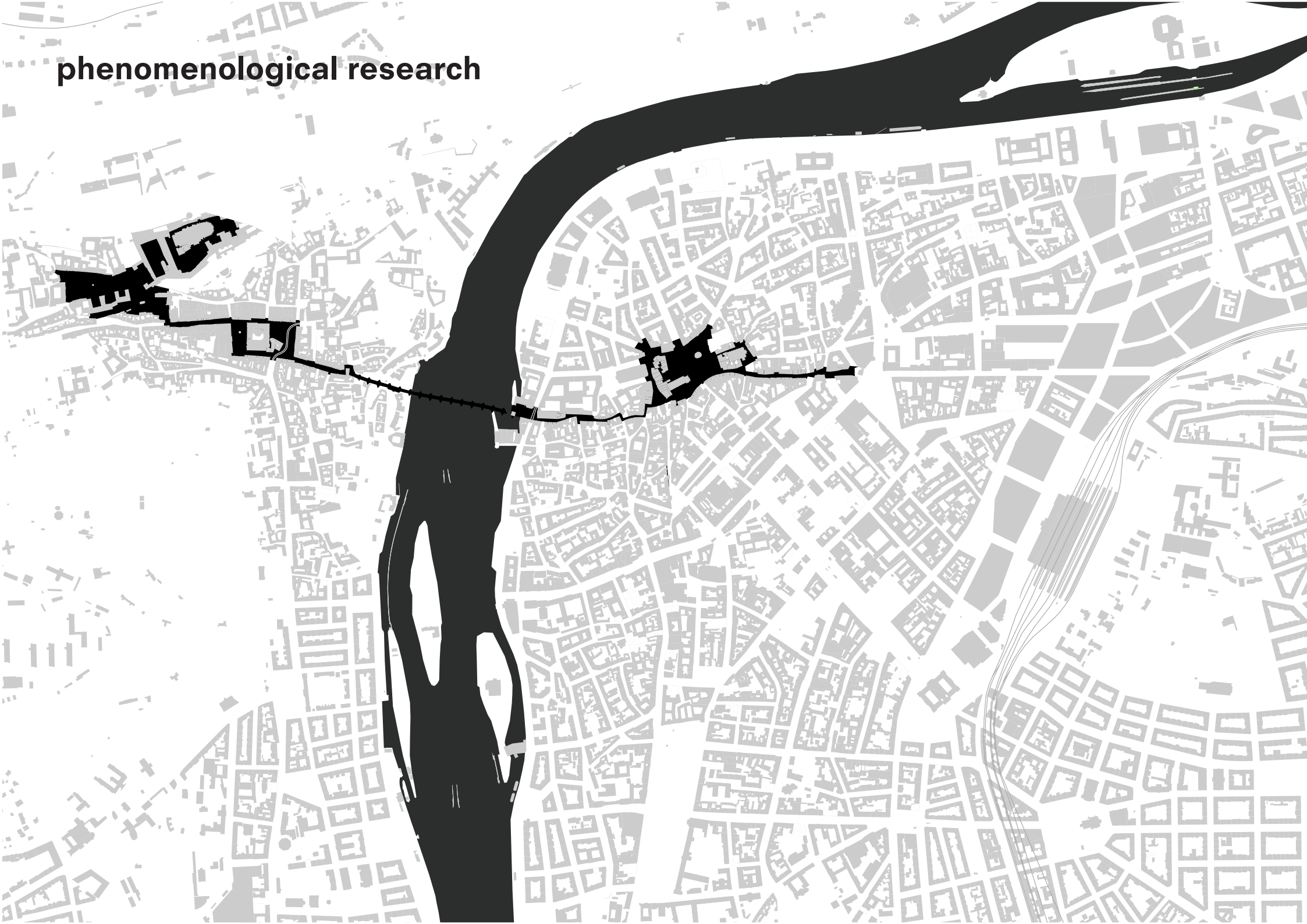






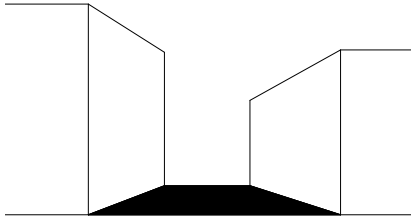


phenomenological research

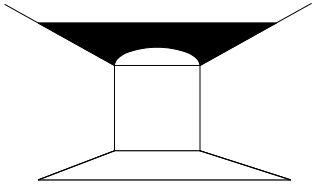


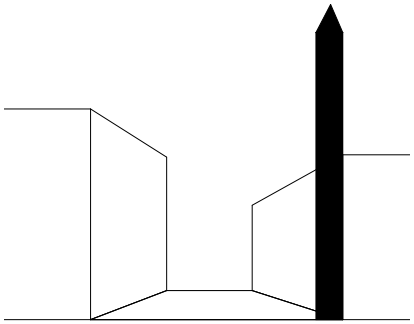
phenomenological research

phenomenological research

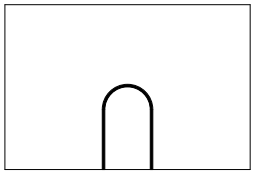


LOCUS



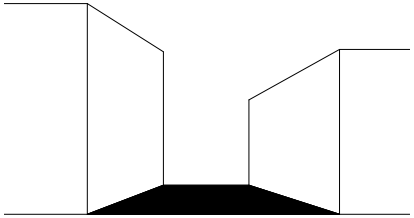


FOCUS

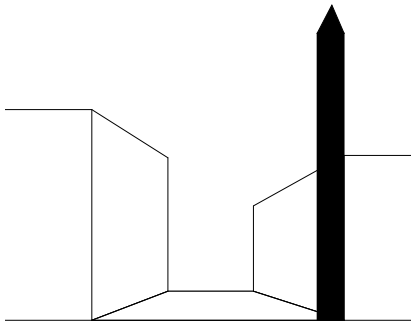


PORTA

abstraction



LOCUS



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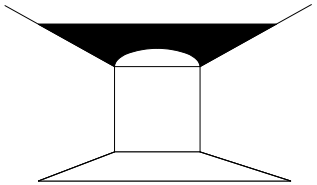

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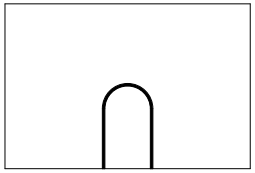

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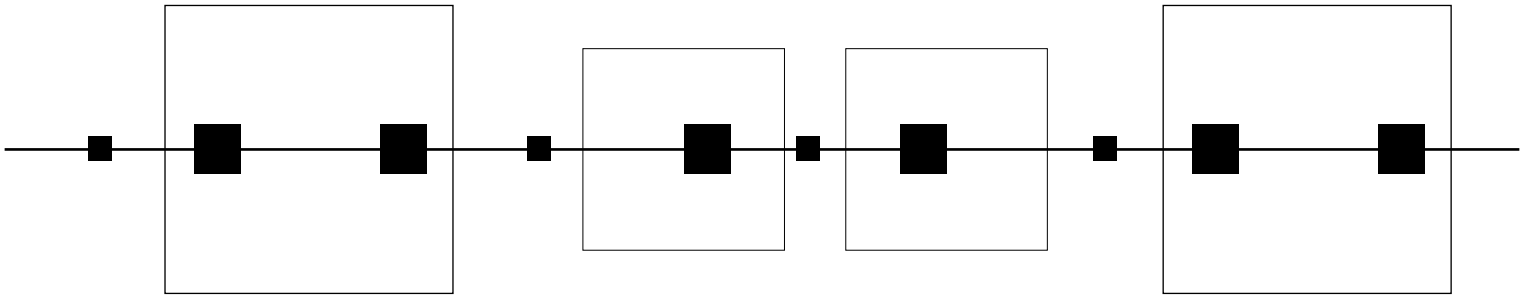
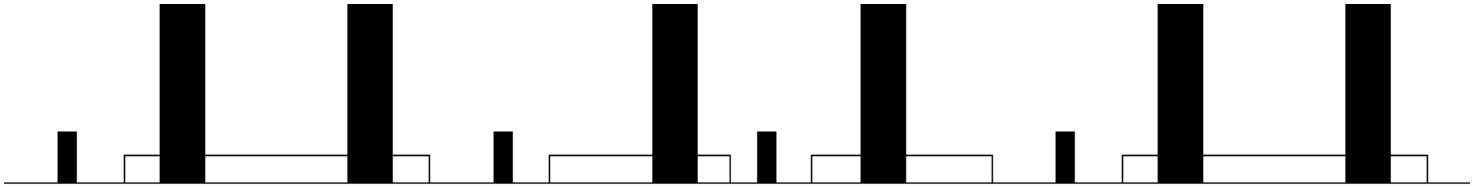




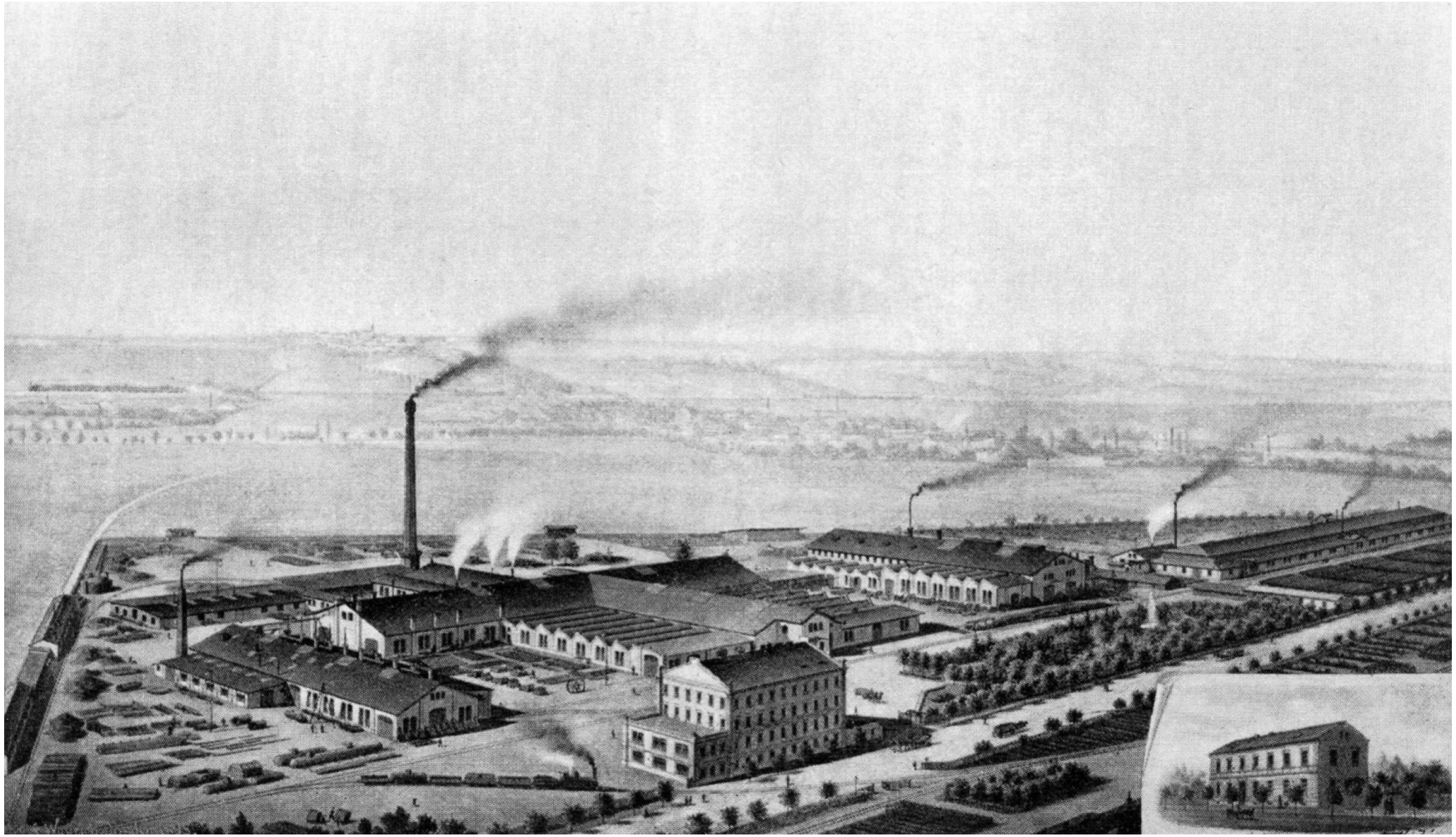
View of Prague 1606

typology

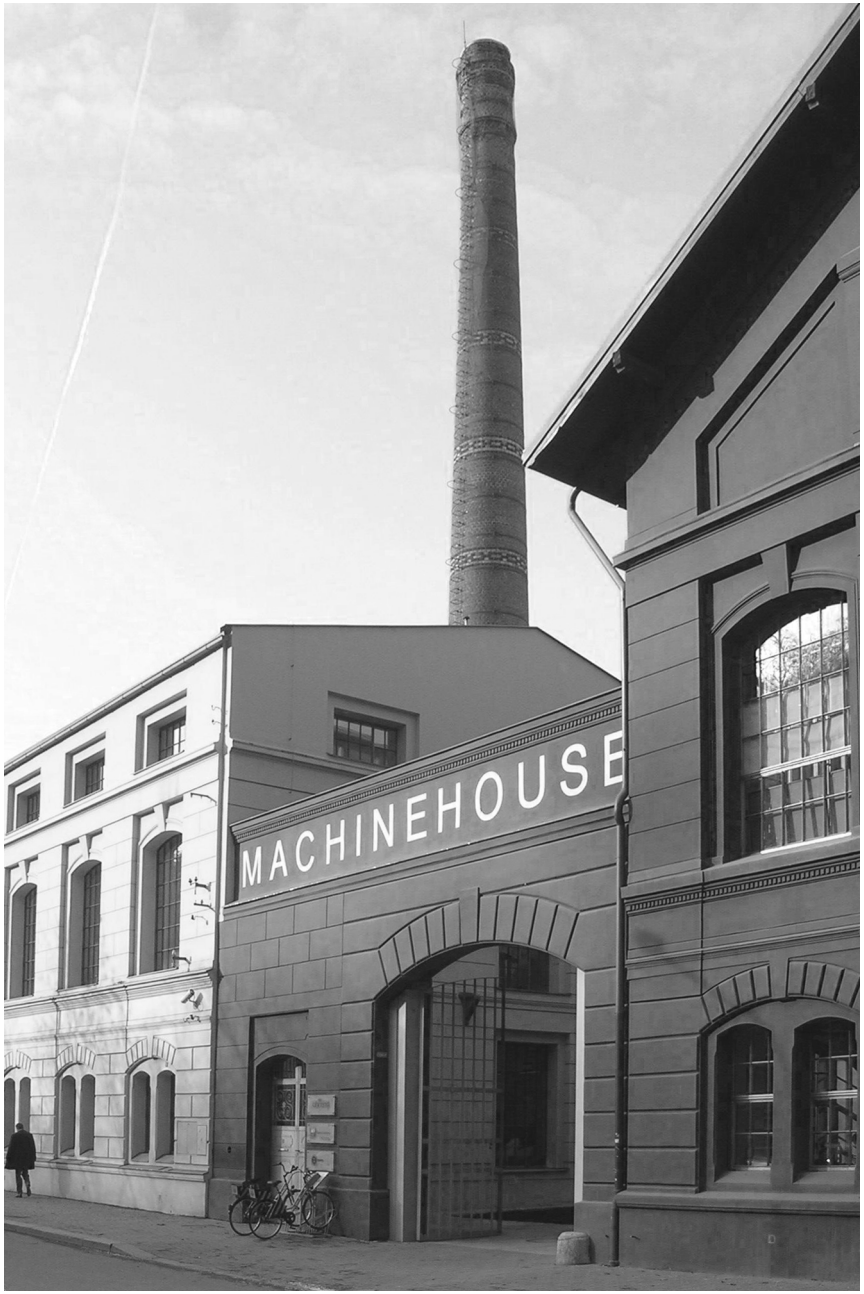
warehouses

Amazon fulfillment center Prague

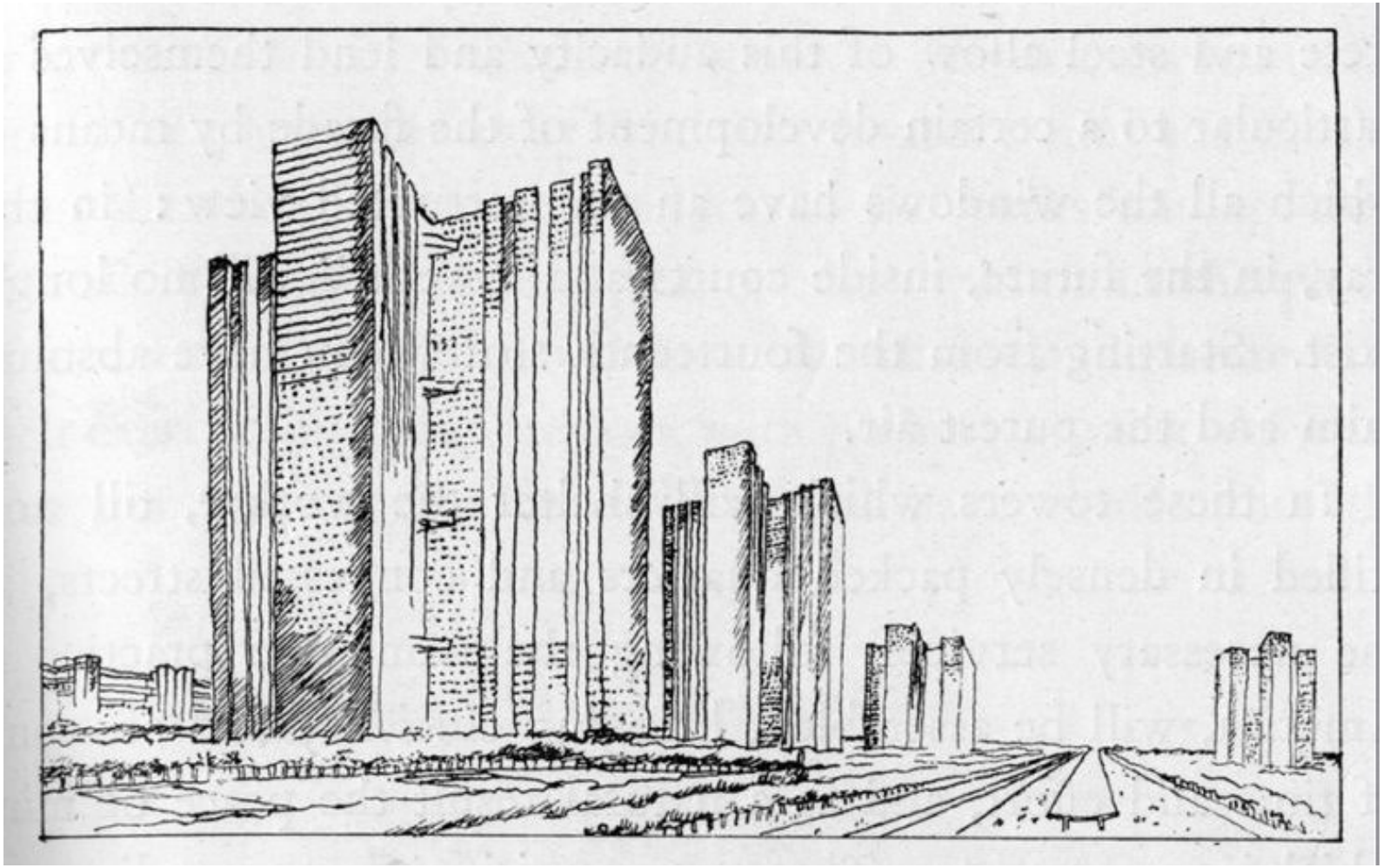

VLTAVA
Lávka
Karlův most
Strelnice
Ve Prikopě
Hybernská ul.
Nádražní ul.
Fochova ulice
Žižkova ulice
Pražské Vršovice



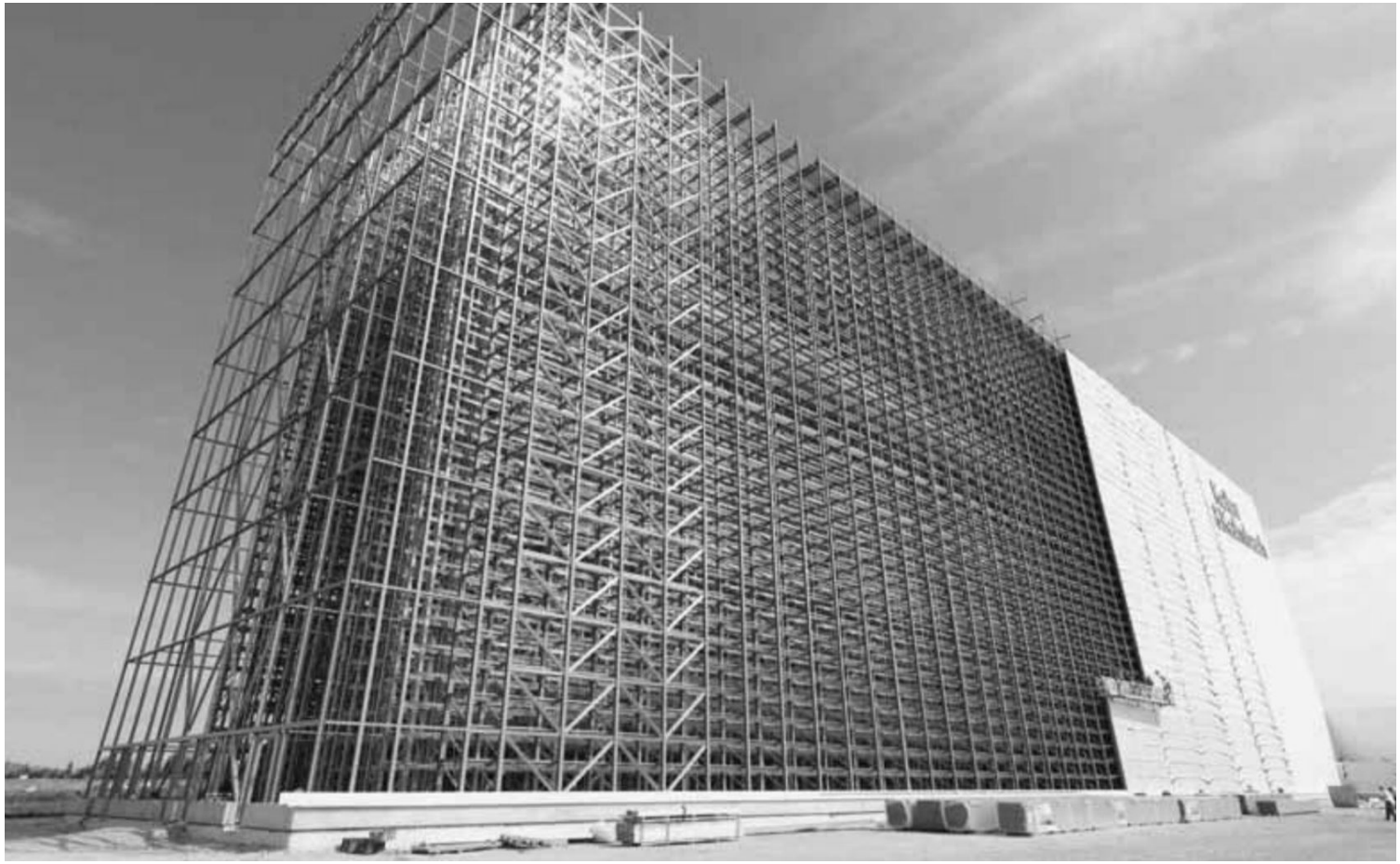
Machine Factpry Karlin 1871



Machine Factpry Karlin 2019



A city of Towers, Le Corbusier 1923



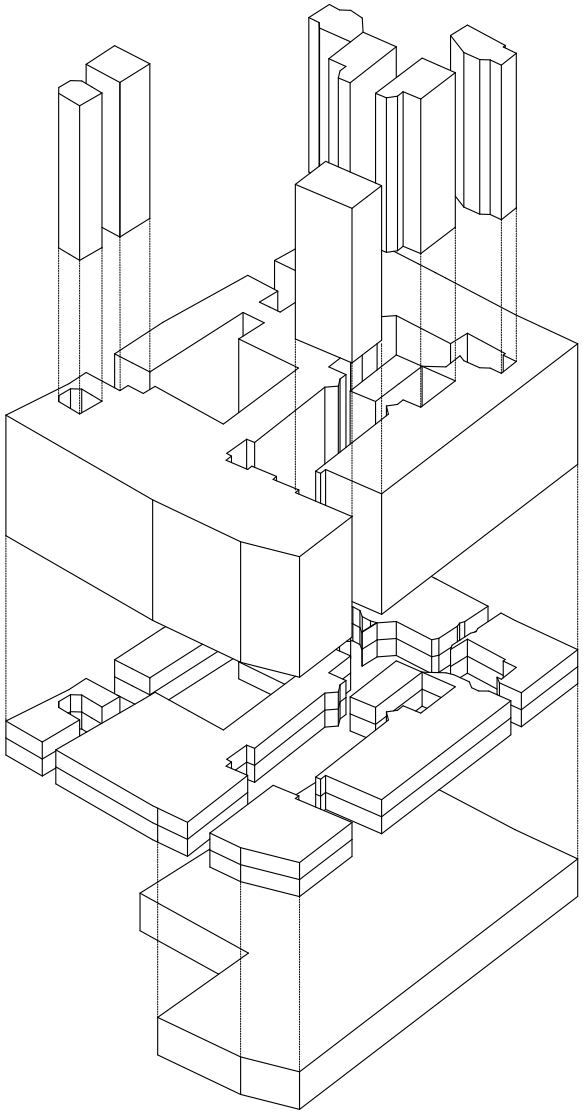
Schaefer, Hochregal Technology

case study: the urban palace

Novaku Arcade

the urban palace

the urban palace



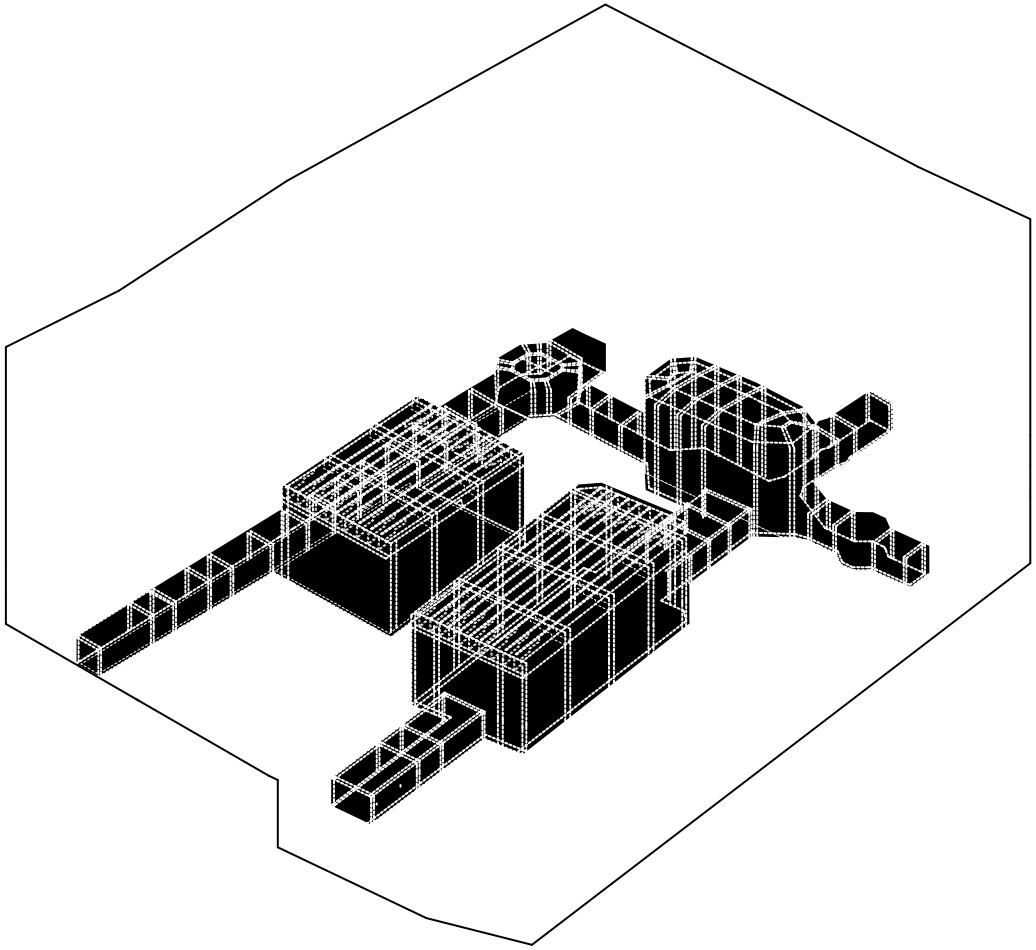
circulation

housing

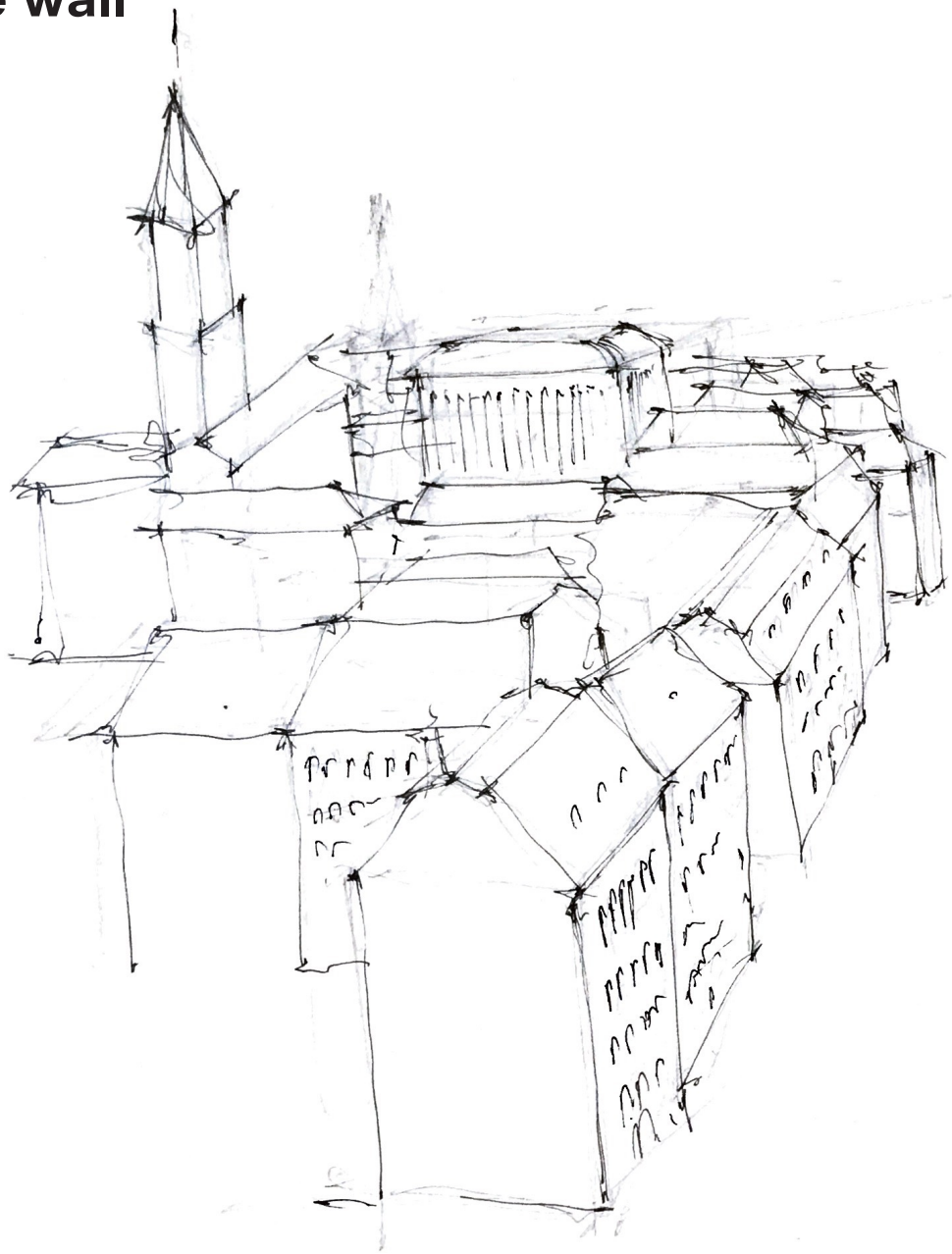
offices

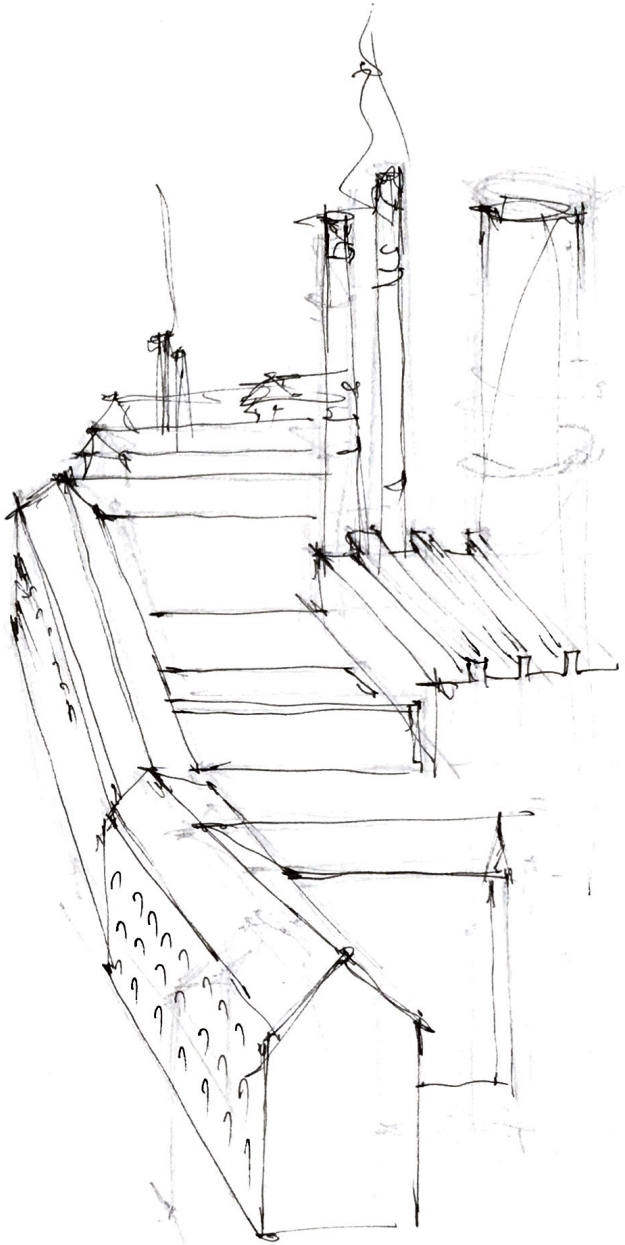
commercial

theatre

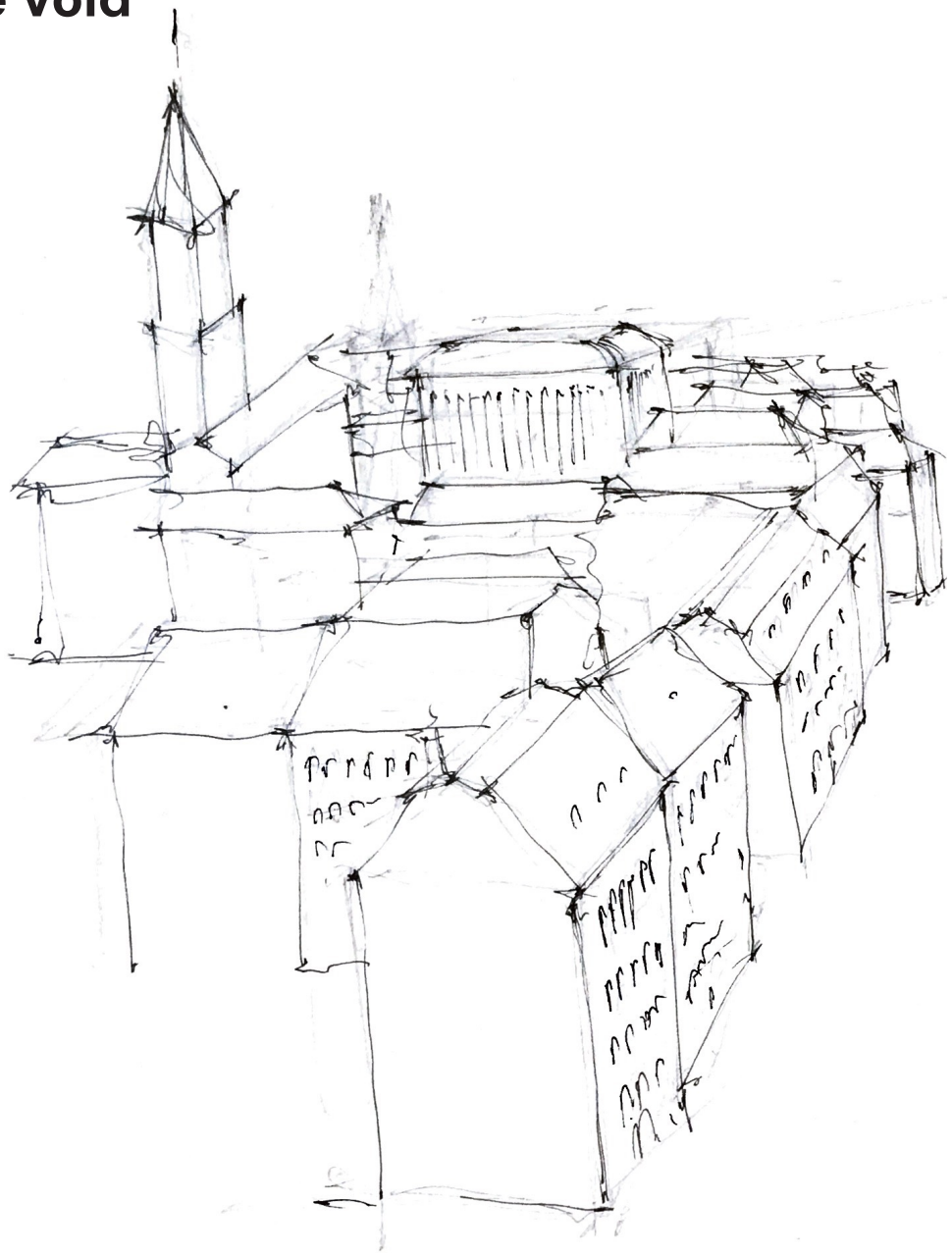


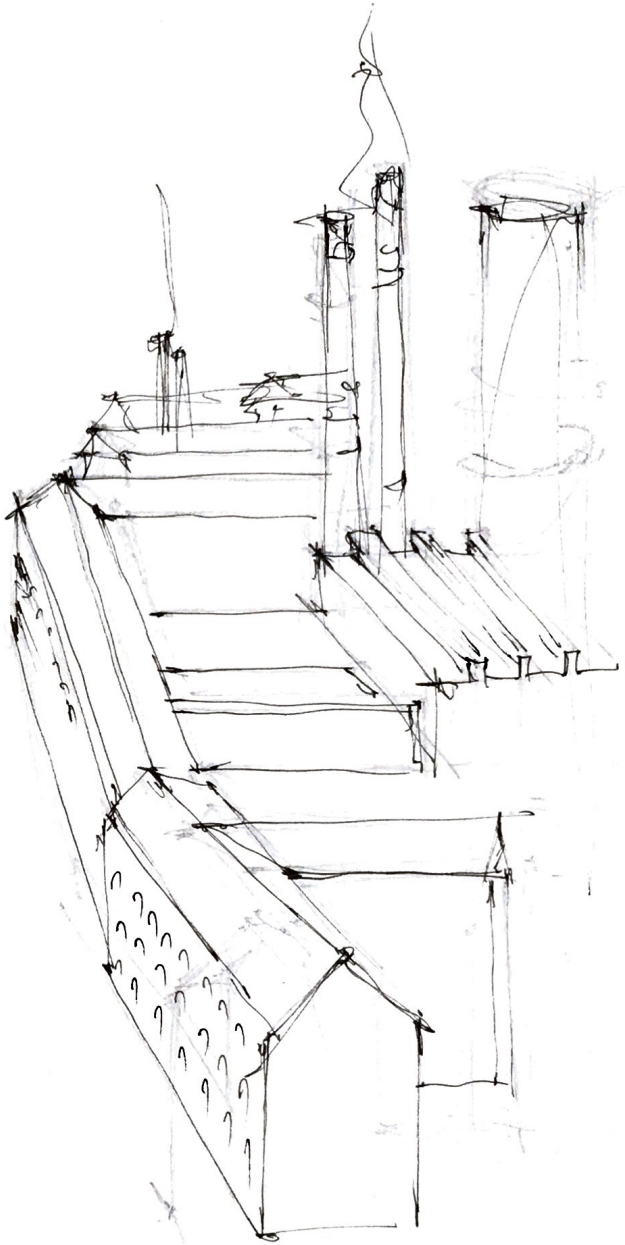
the wall





the void





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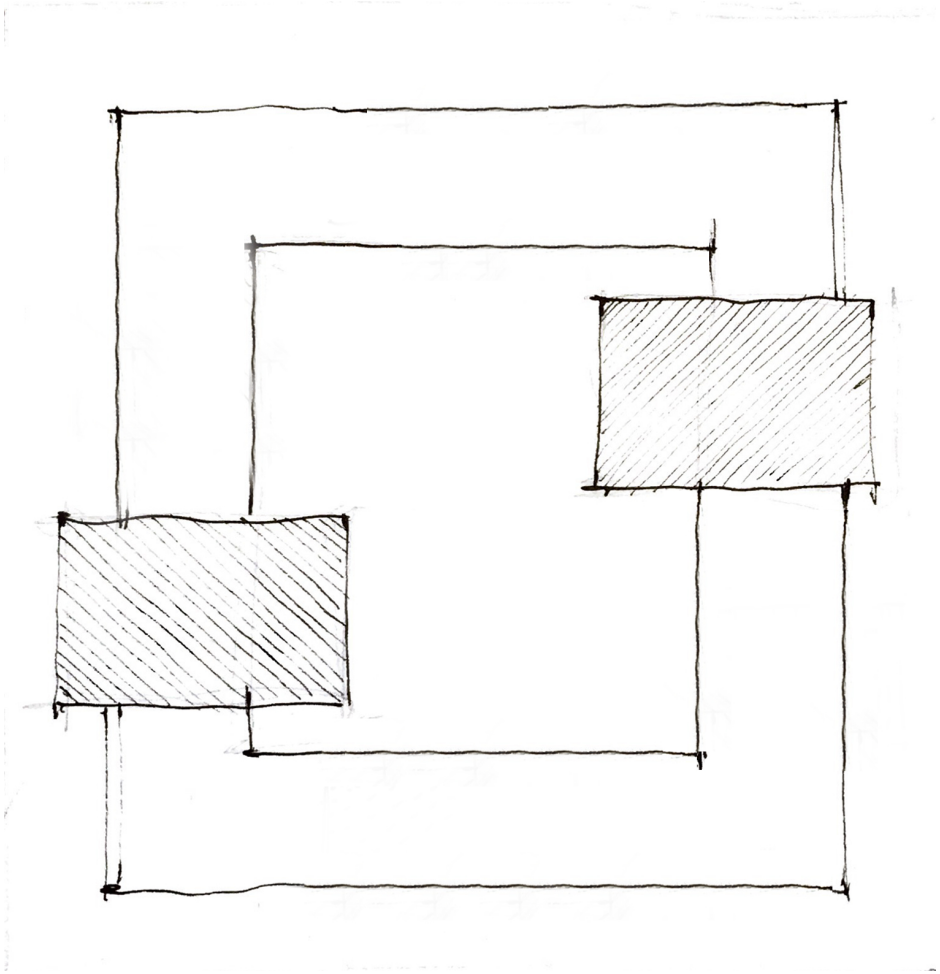
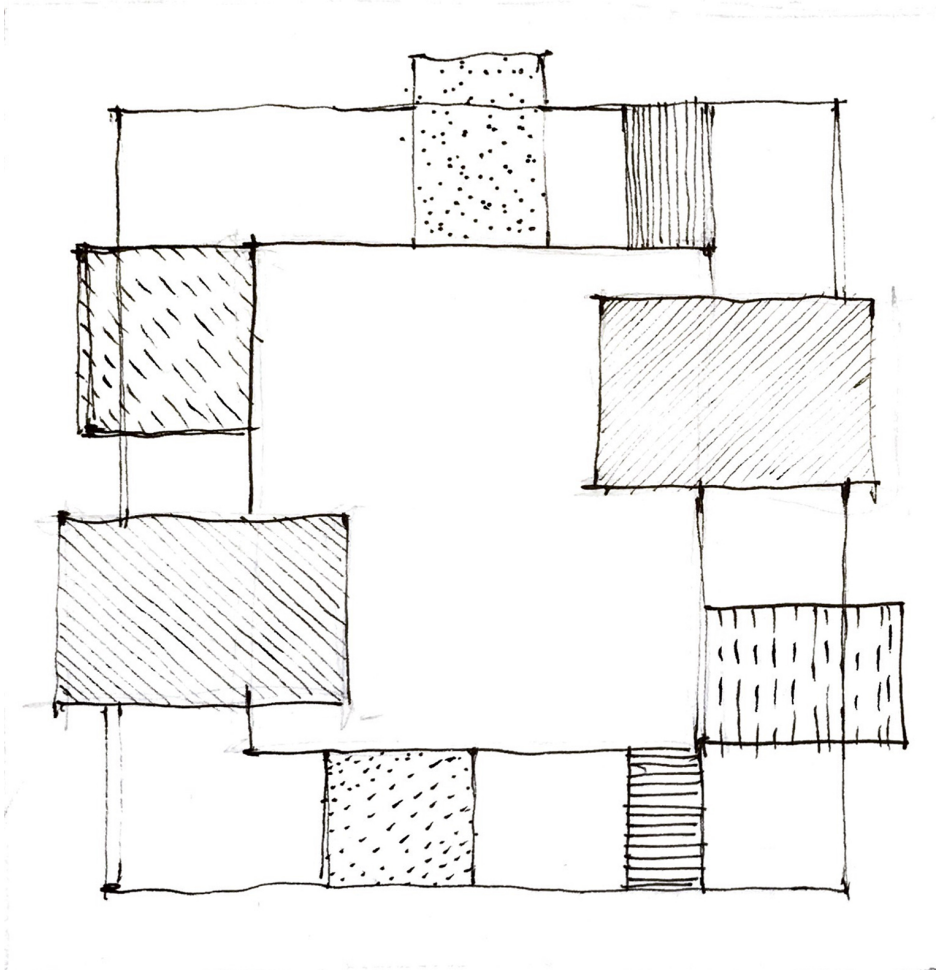
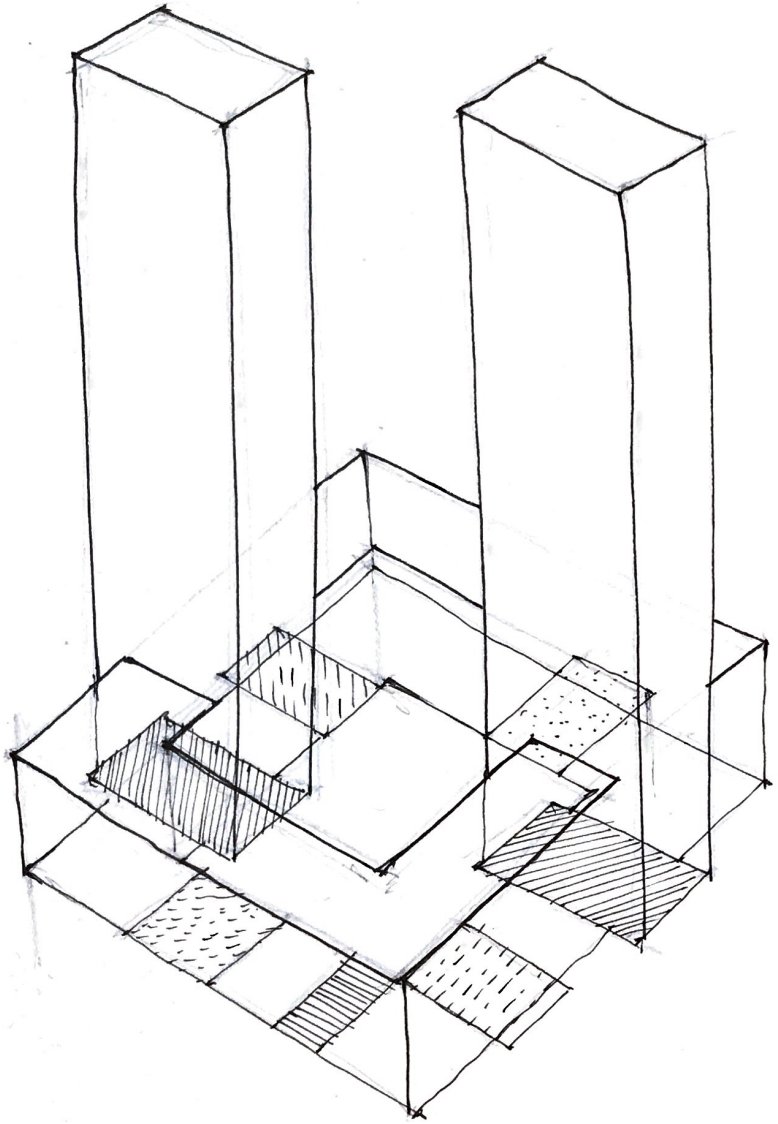


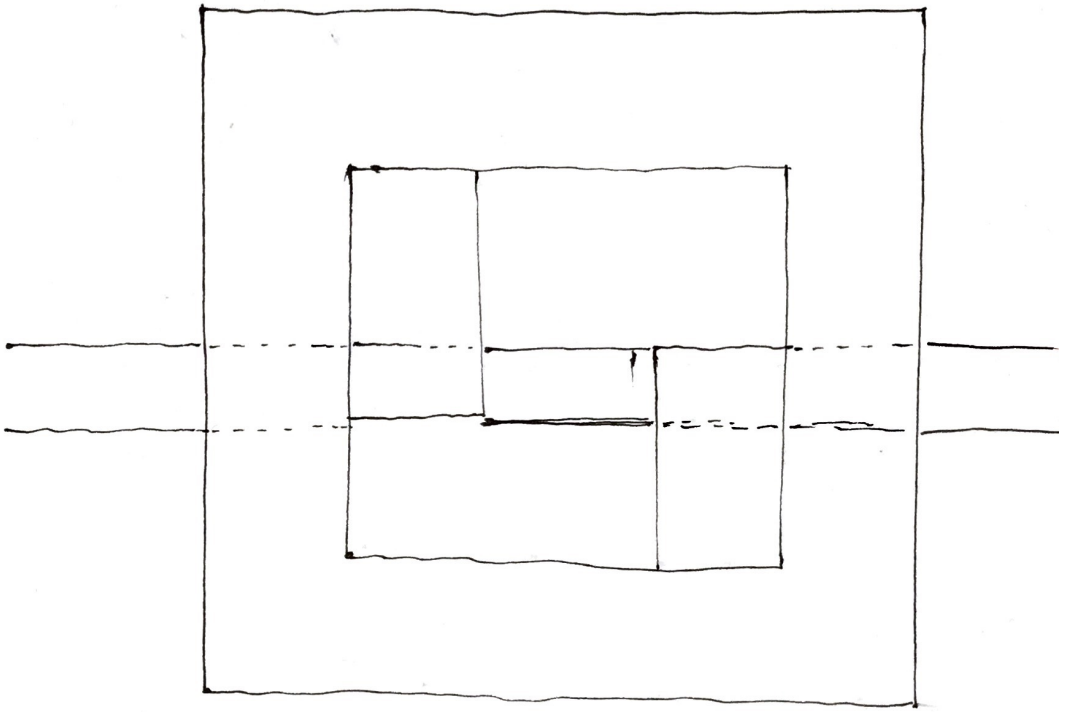
the plinth



the towers and the plinth



the towers and the plinth



program and design

HOW CAN A DISTRIBUTION CENTER BE INTEGRATED WITHIN THE PUBLIC REALM?

HYBRIDISATION

program

TRAFFIC CONTAINER

program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MARKET
MARKET
RETAIL
PLATFORMWORK
SHARED SPACE
COWORKING
LOCKERS
FRONT DESK
PUBLICWORK
SHARED SPACE
COWORKING
TICKETS
OFFICE STATION
MARKET
RESTAURANTS
CAFEHEMA
BAKERY
PACKAGE ARRIVALTRAIN STATIONBIKEPASSAGE
BIKE
ECARS
DEPARTURE
PUBLIC CONNECTION

automation

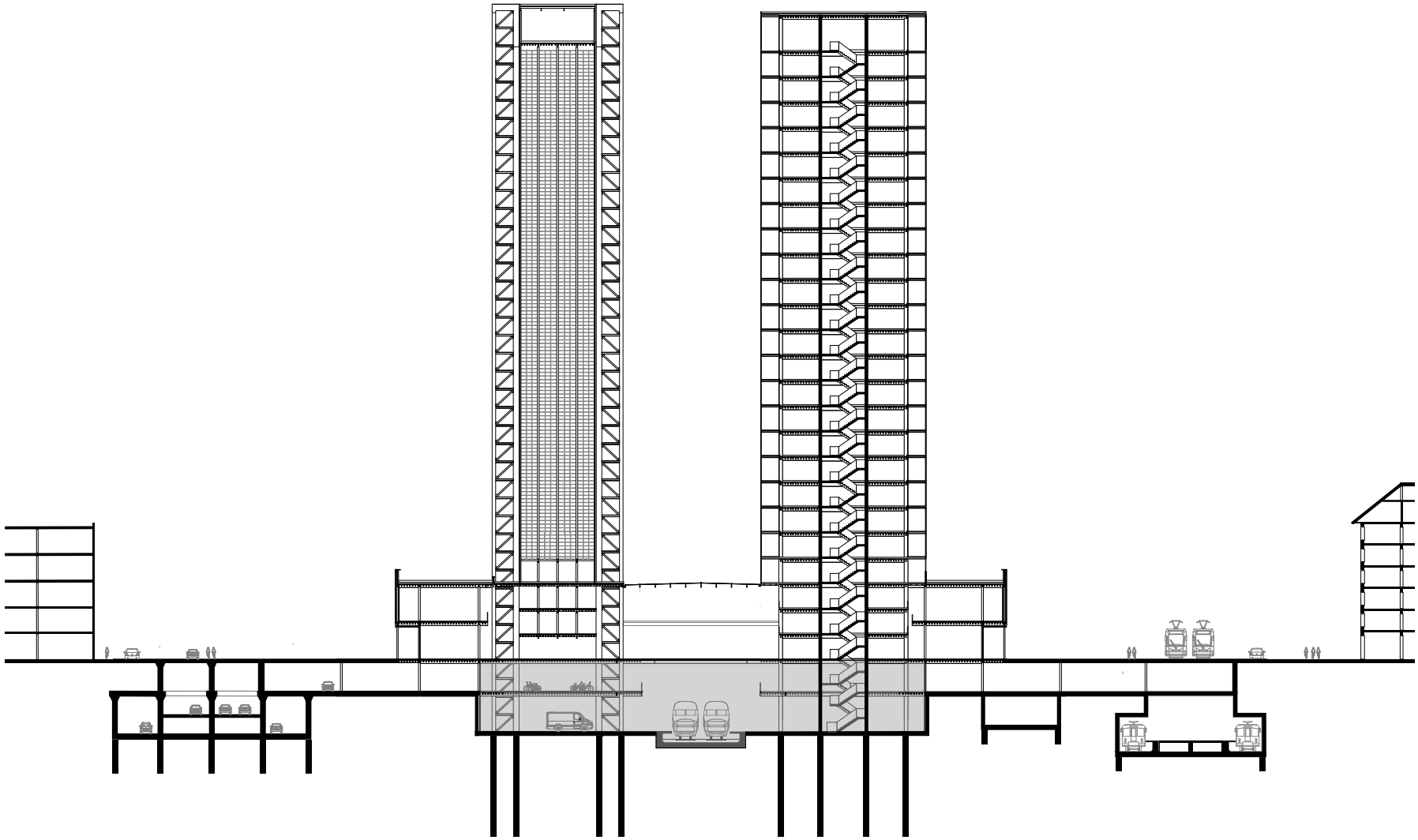
AutoStore

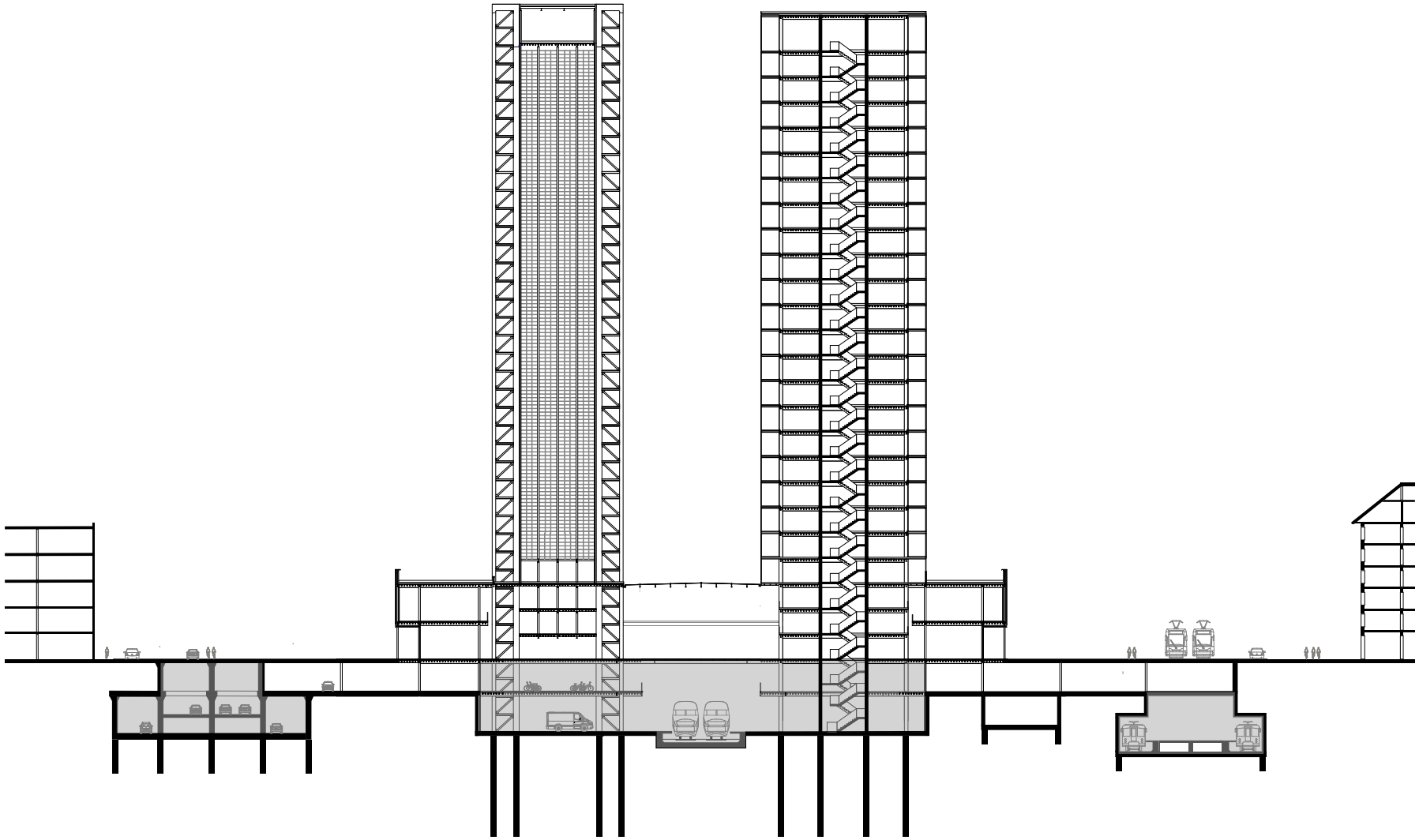
Autostore technology

the distribution center and...

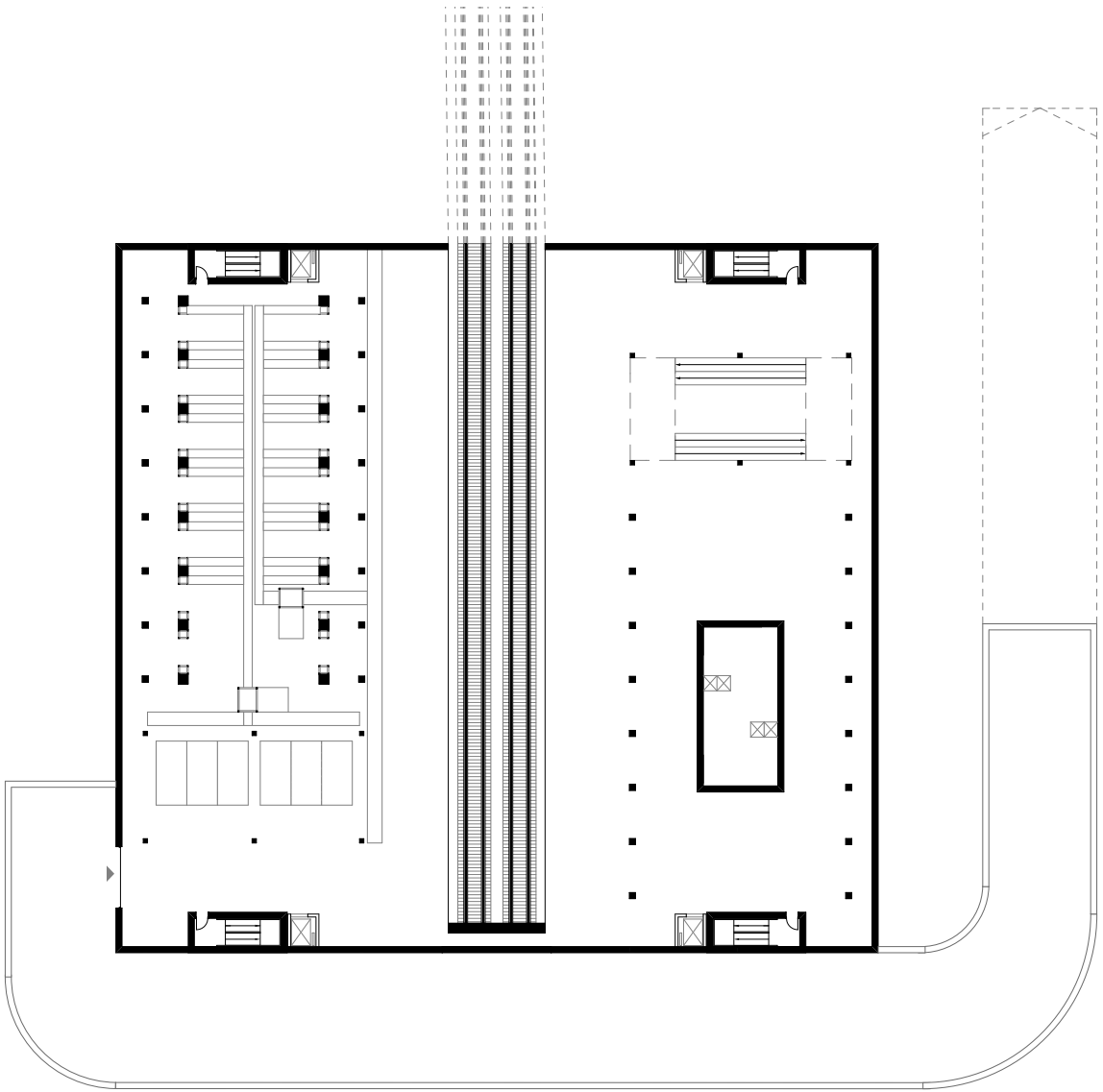
1. ... the transportation hub
2. ... the market hall
3. ... coworking
4. ... housing

1. ... the transportation hub

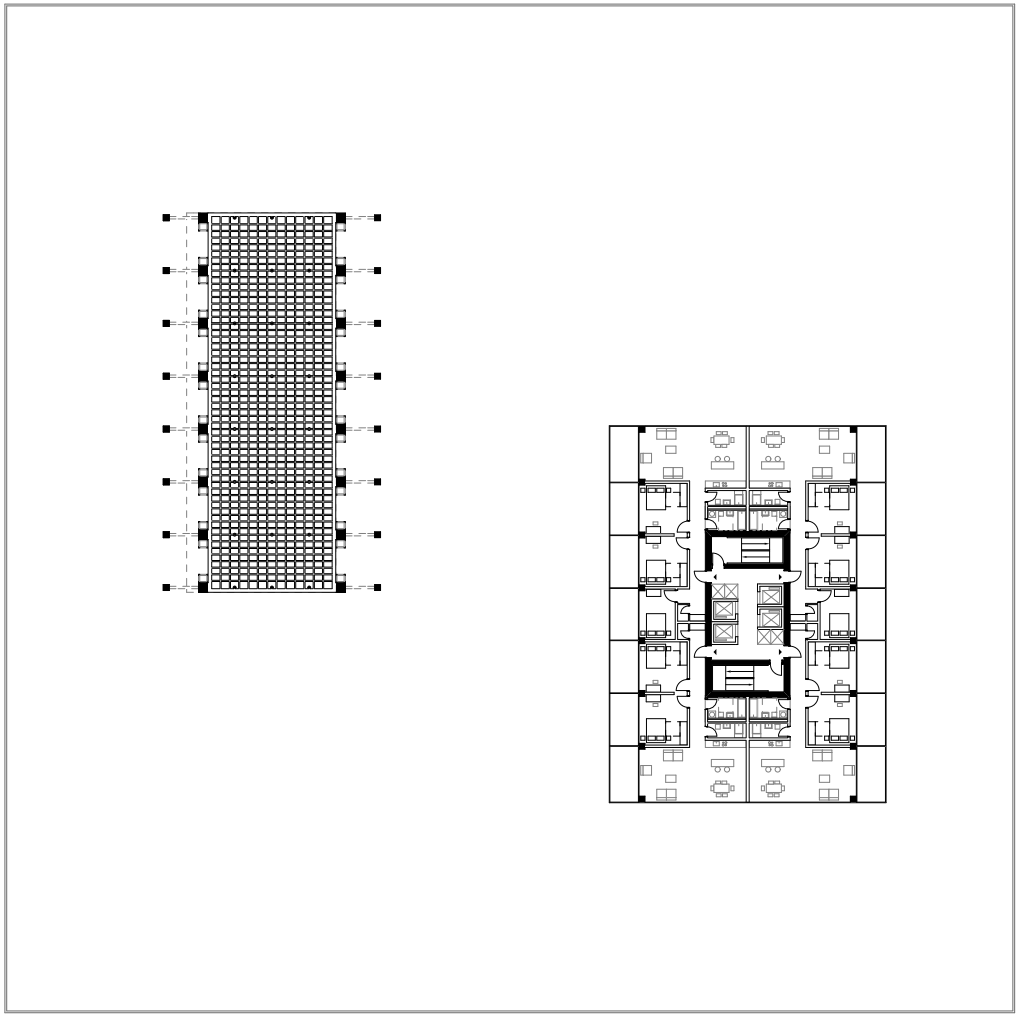




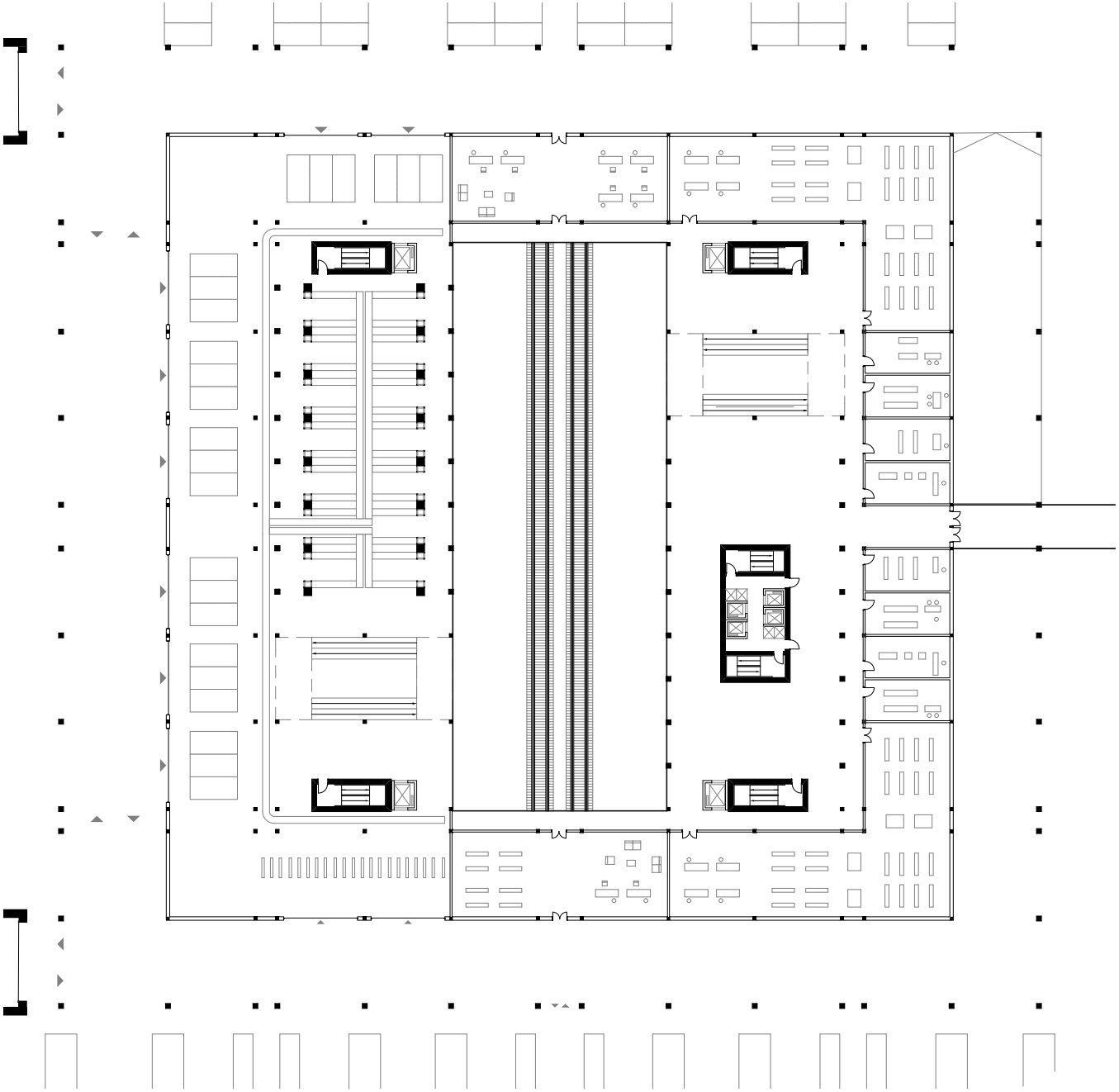
2nd underground floor (- 10 m)



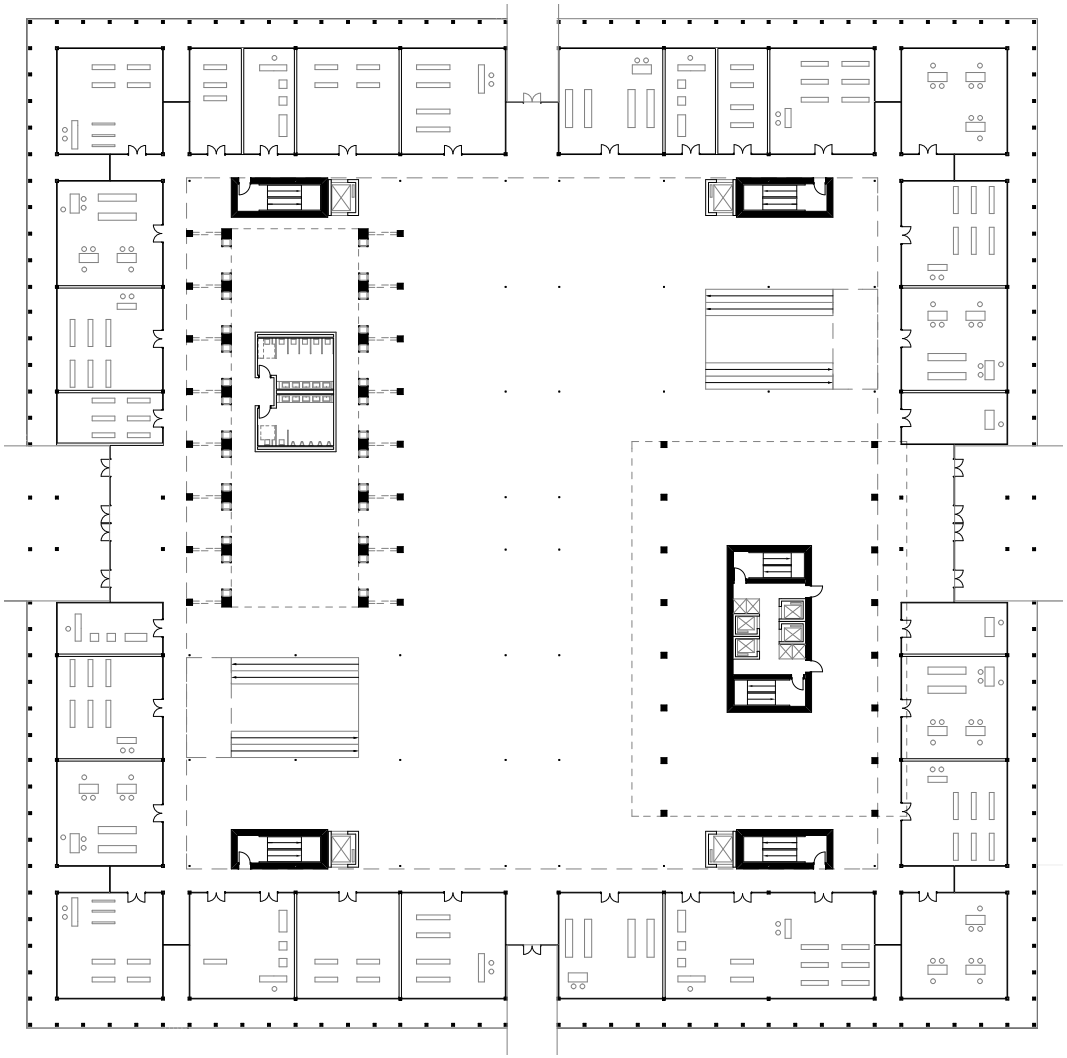
regular floor (+ 10.5m upwards)



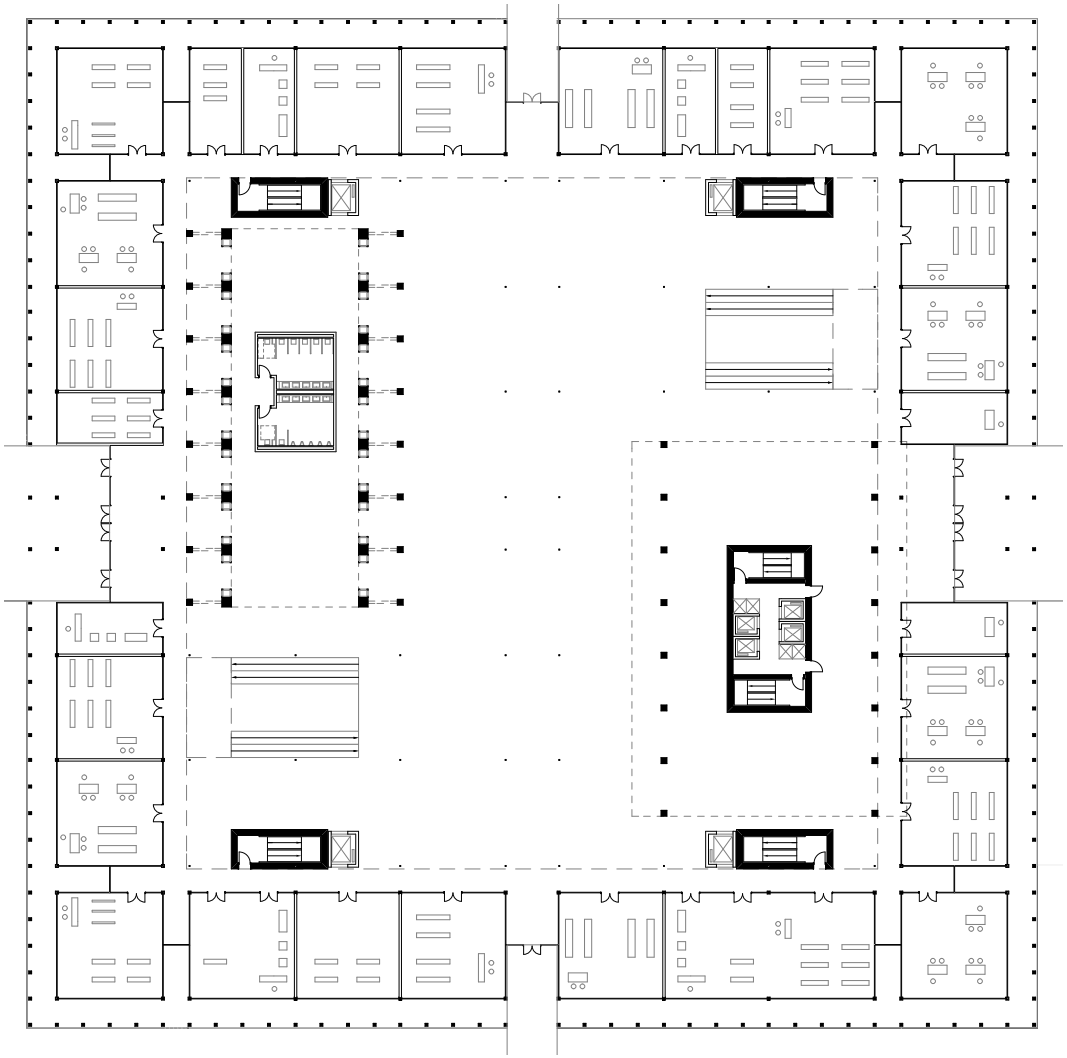
1st underground floor (- 4.5 m)



ground floor



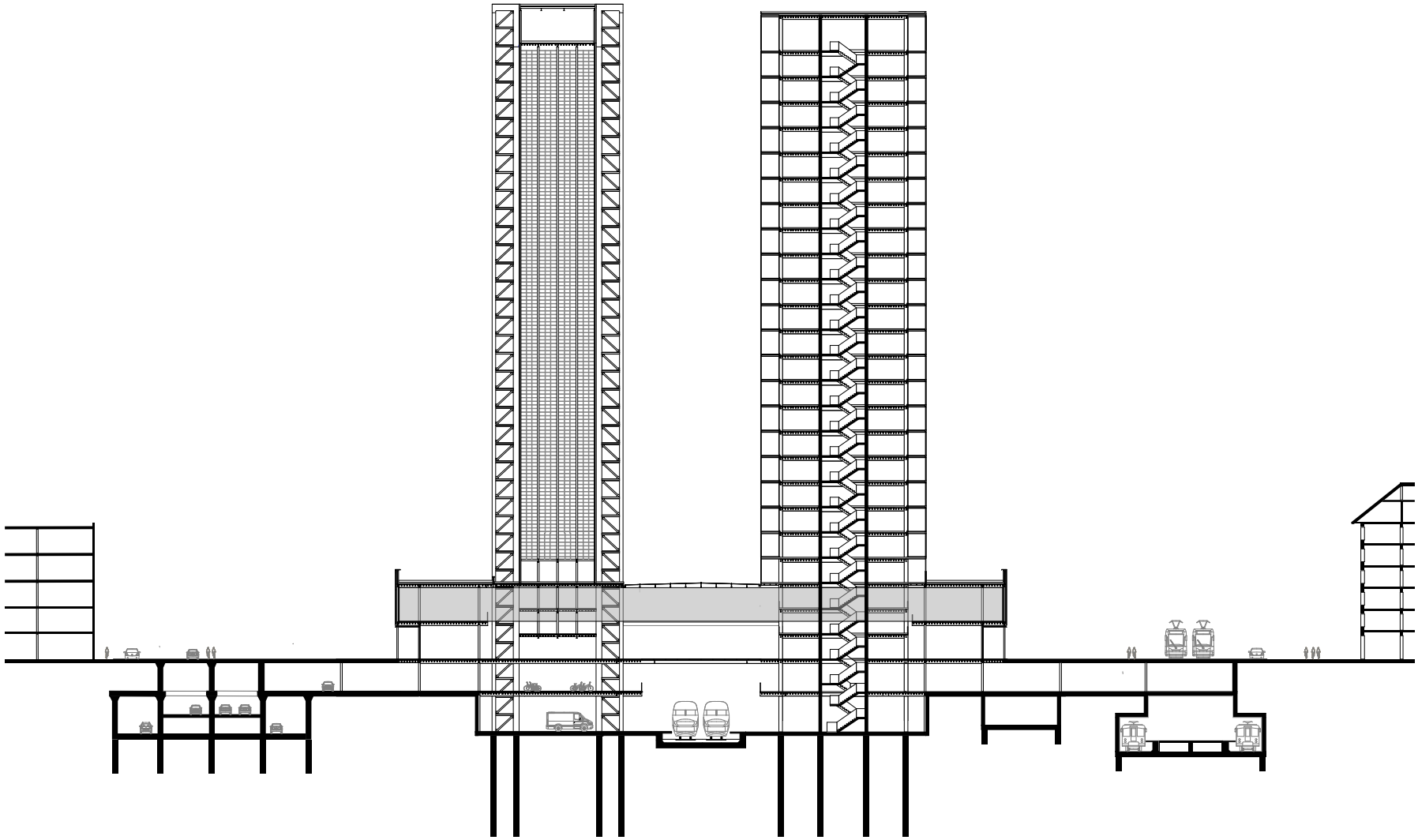
big data and the shared economy



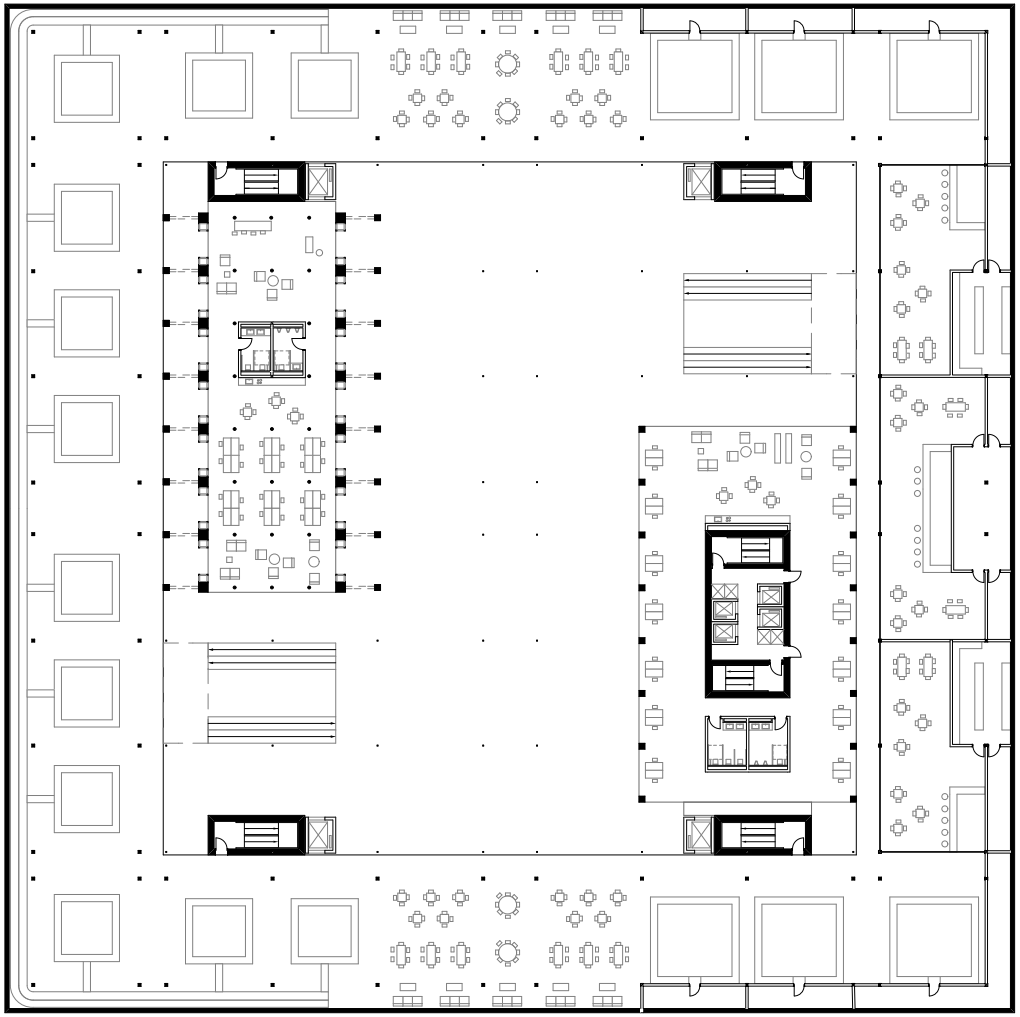
Uber Eats

foodora

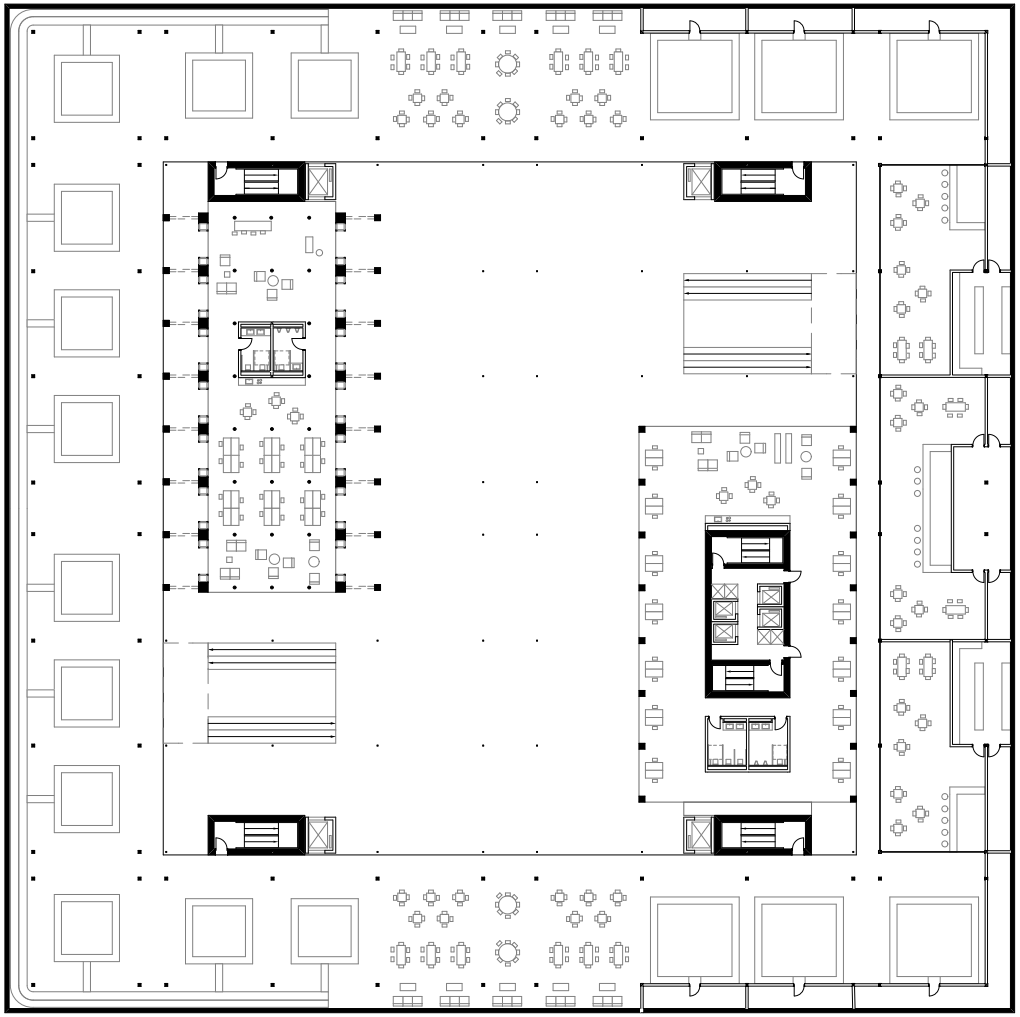
2. ... the market hall



2. ... the market hall



centralized platform



Kaufland

TESCO

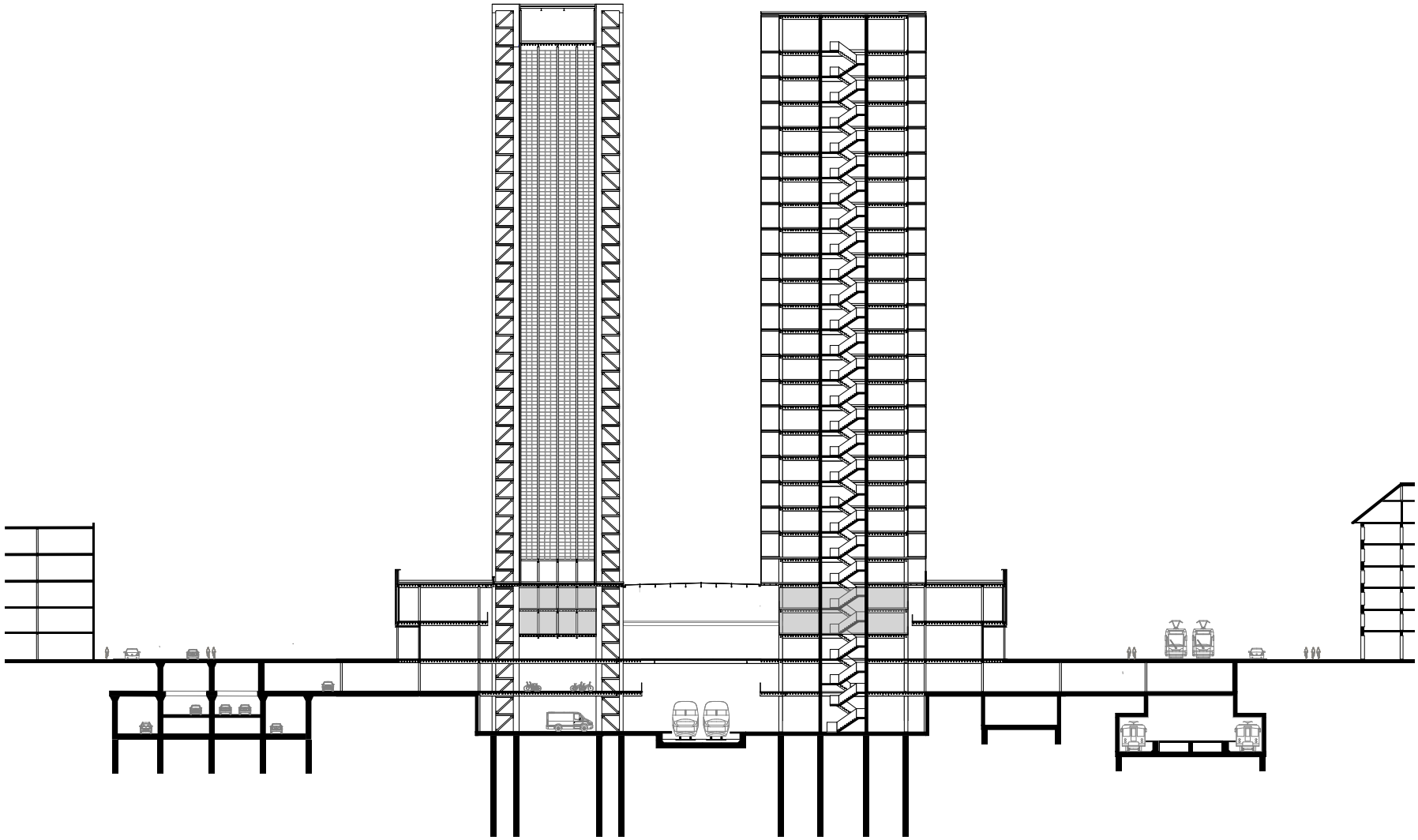
BILLA

LIDL

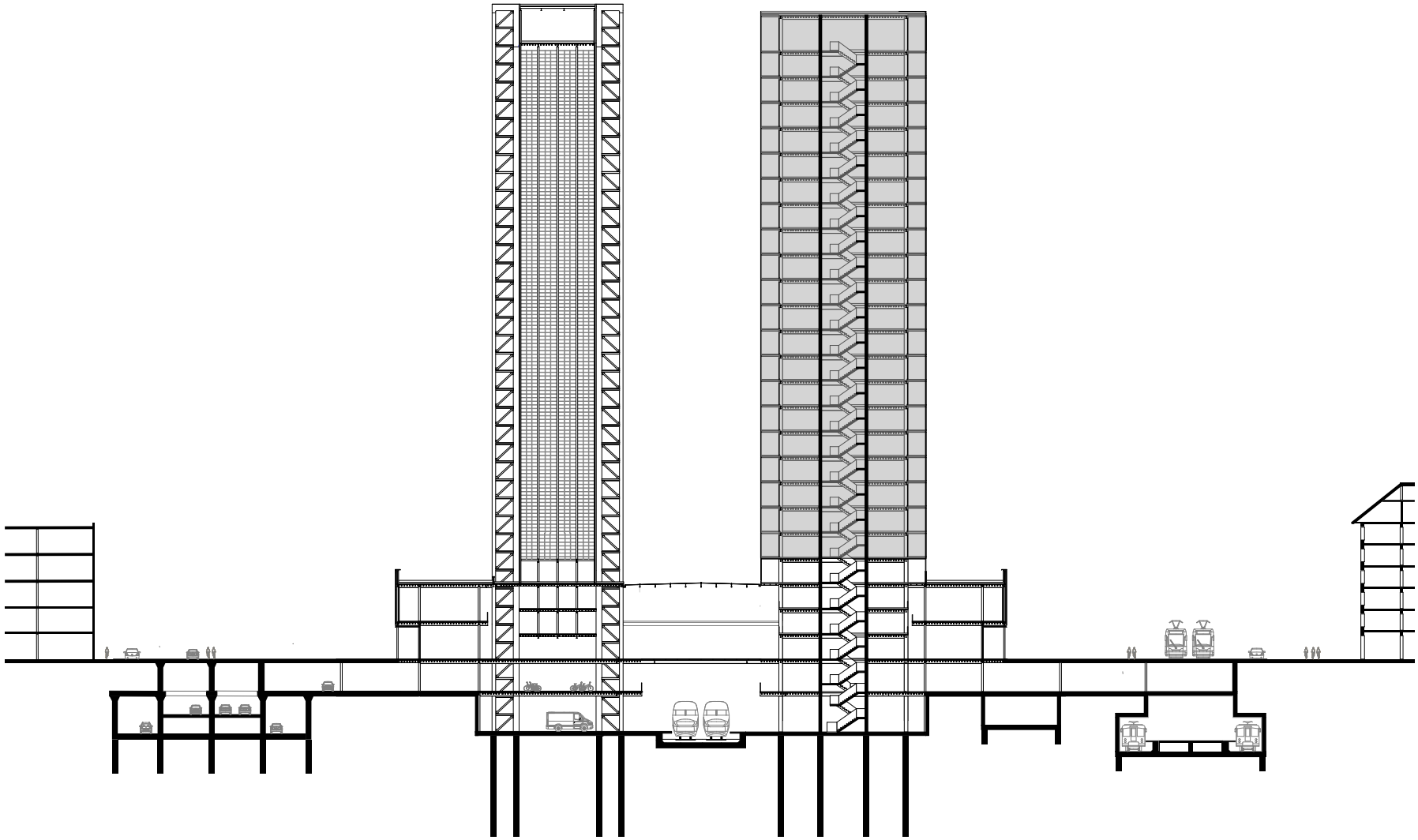
albert


BILLA
BILLA
BILLA
BILLA

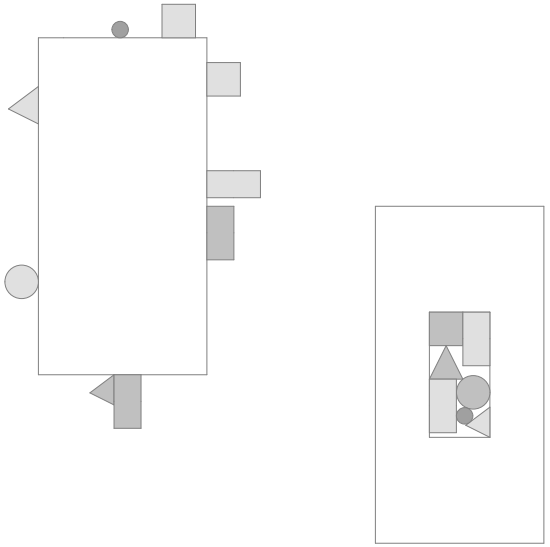
3. ... coworking

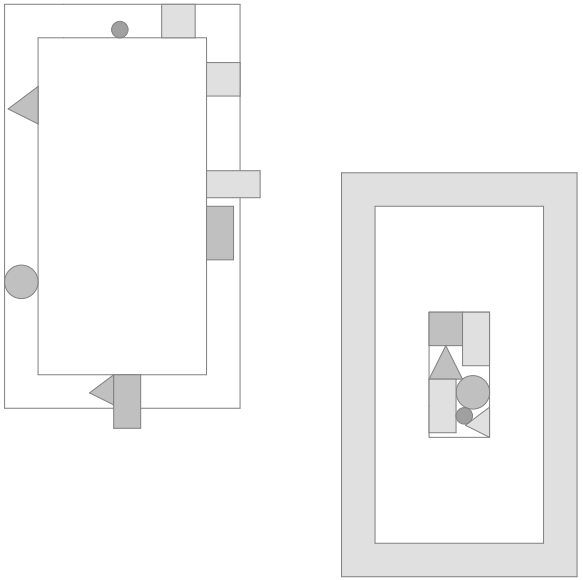


4. ... housing

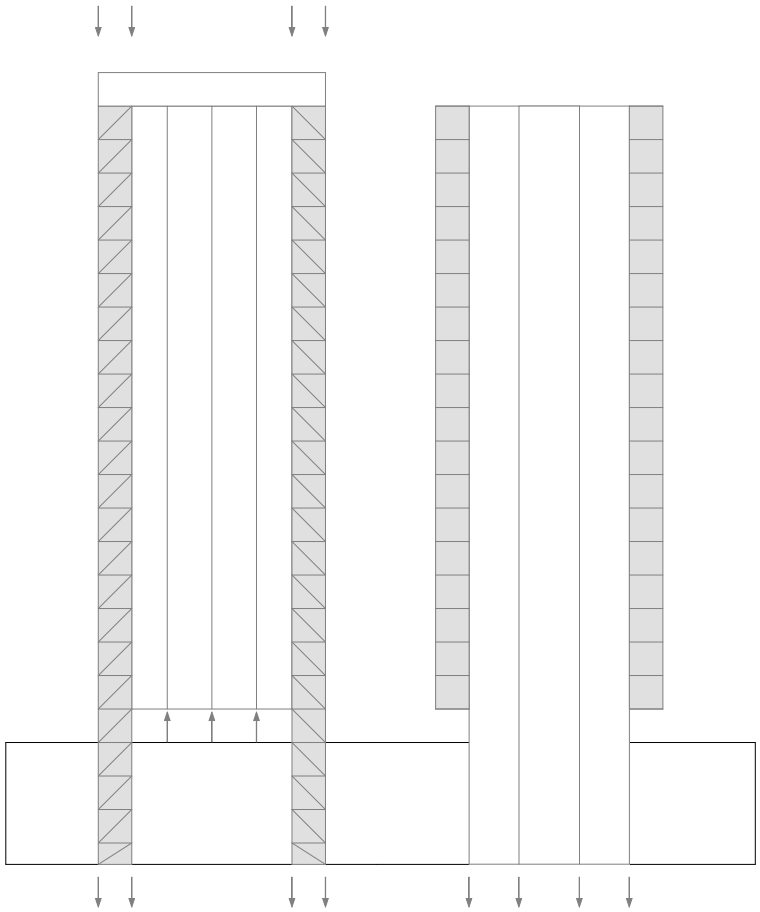


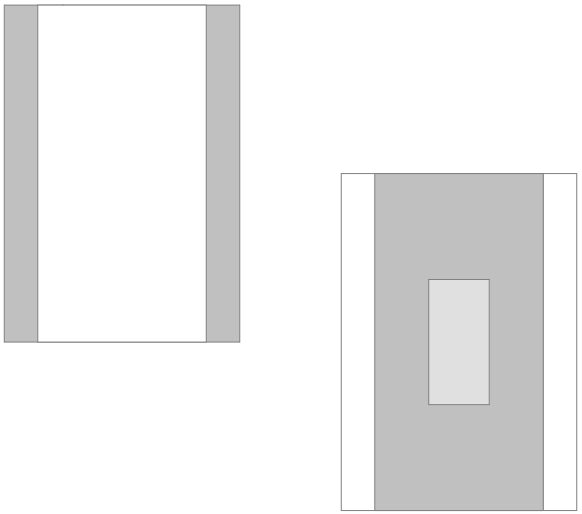
servant spaces



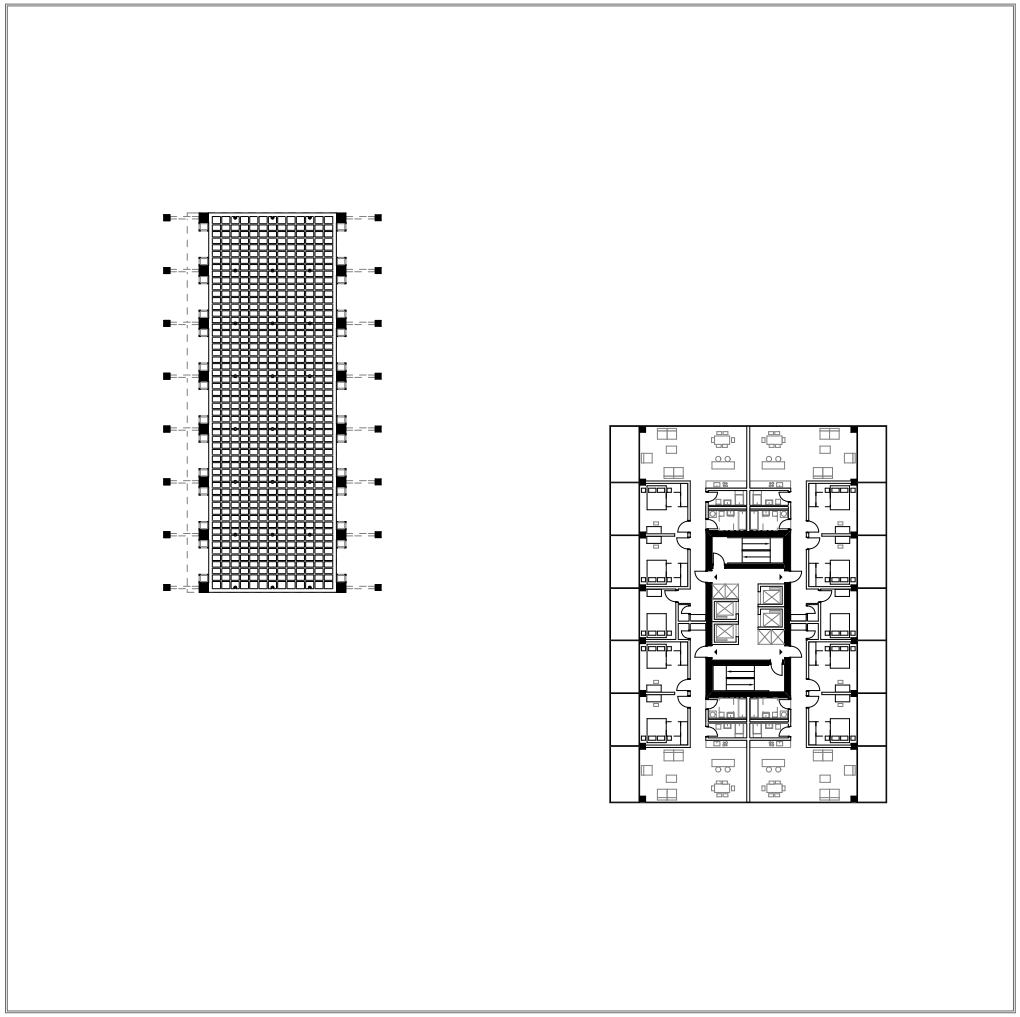


structure

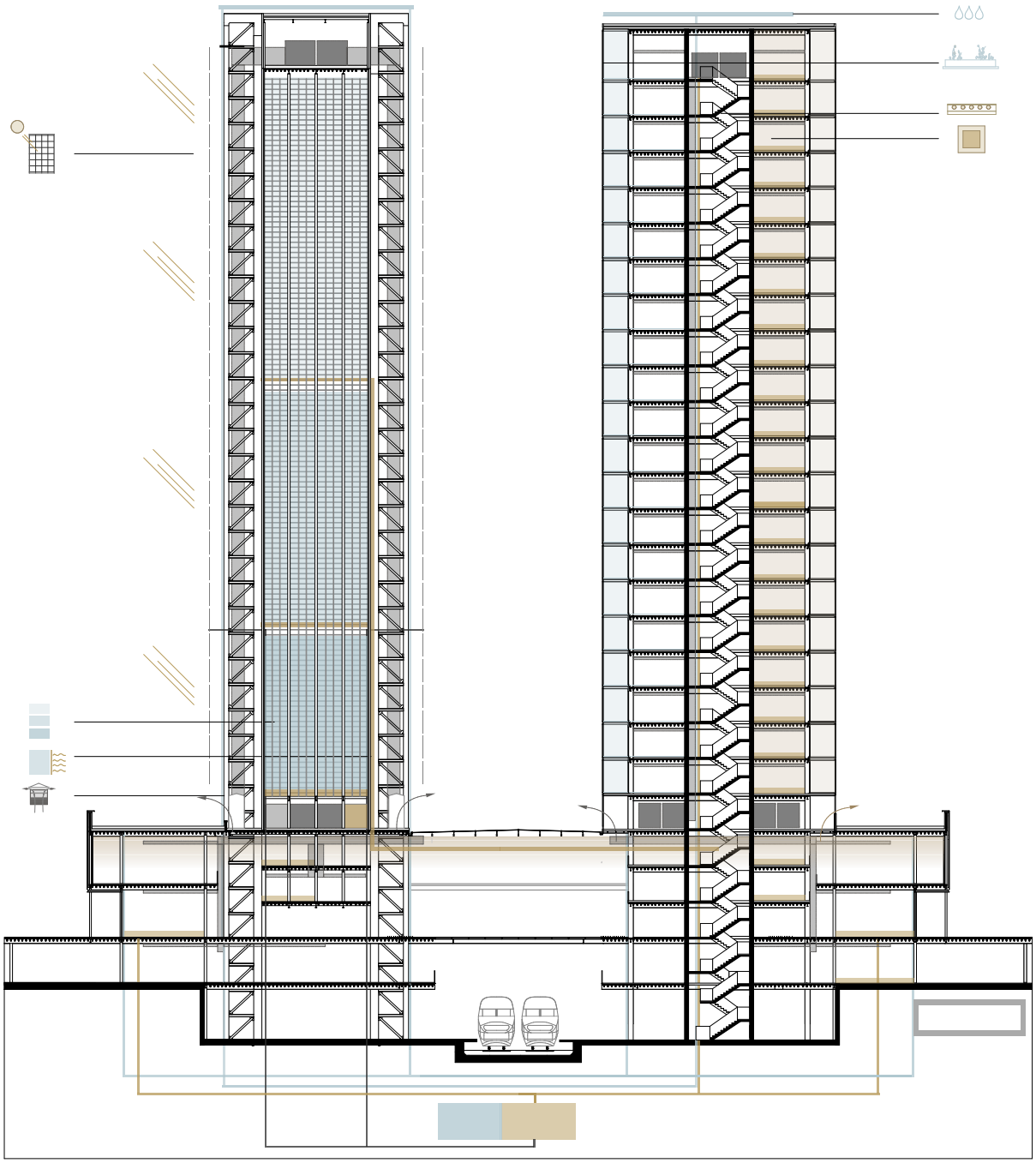




regular floor (+ 10.5m upwards)

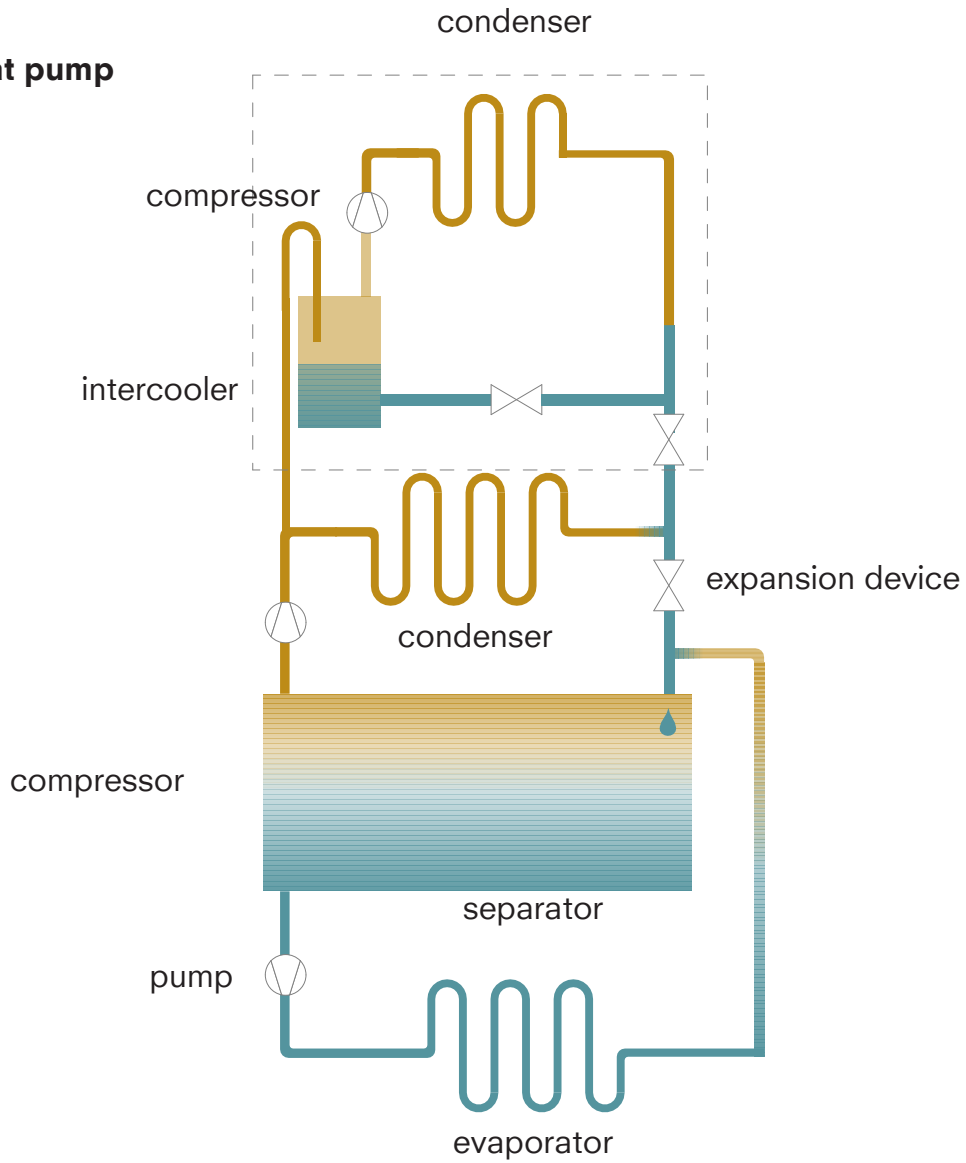


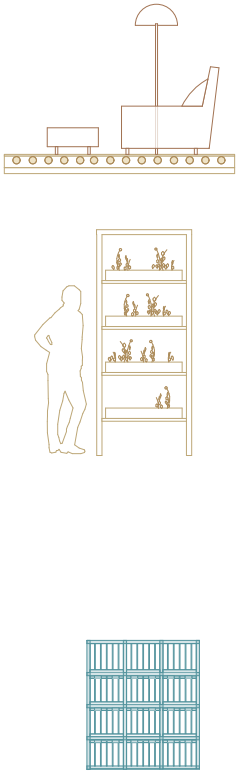
climate



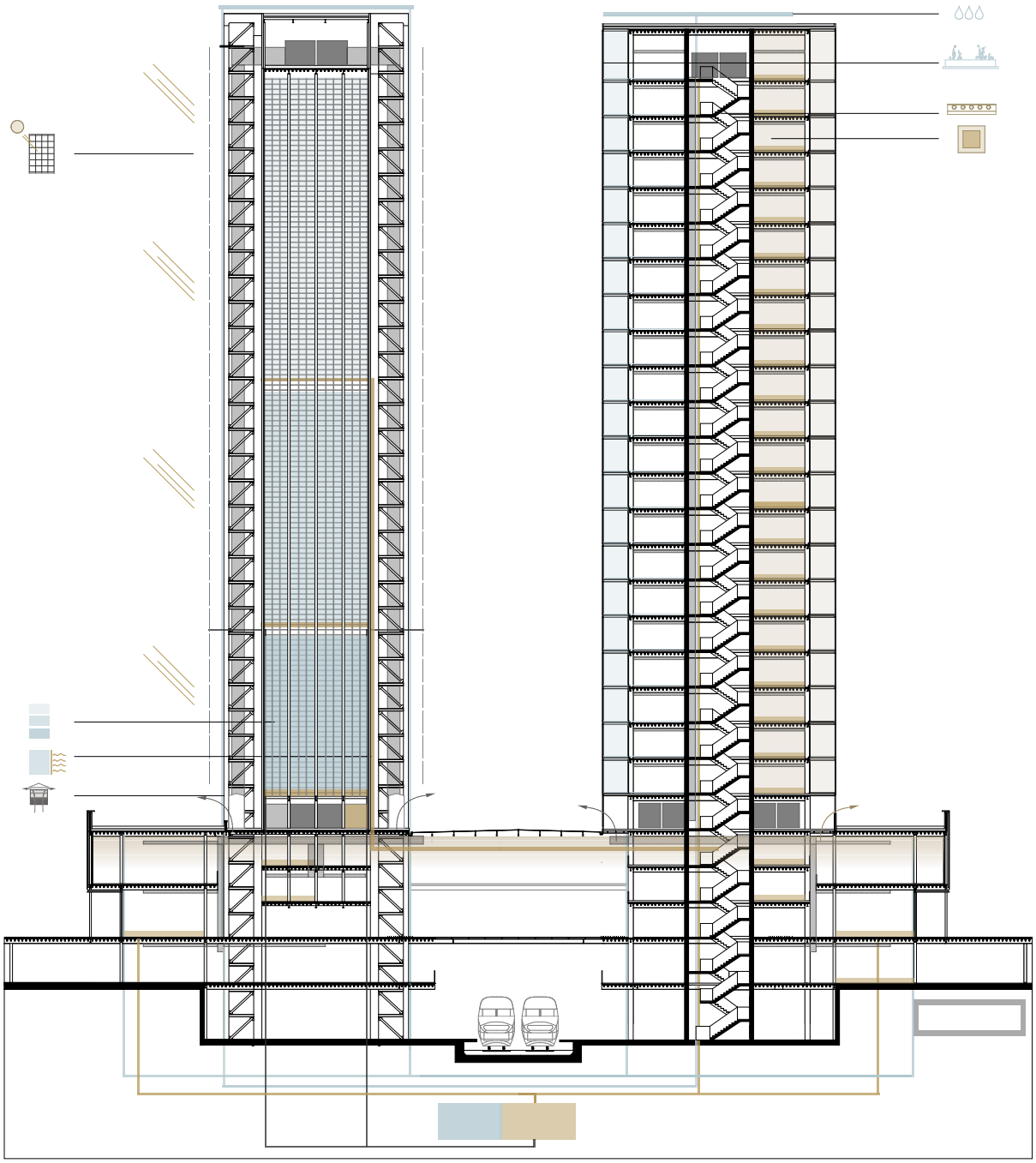
circularity

add-on heat pump

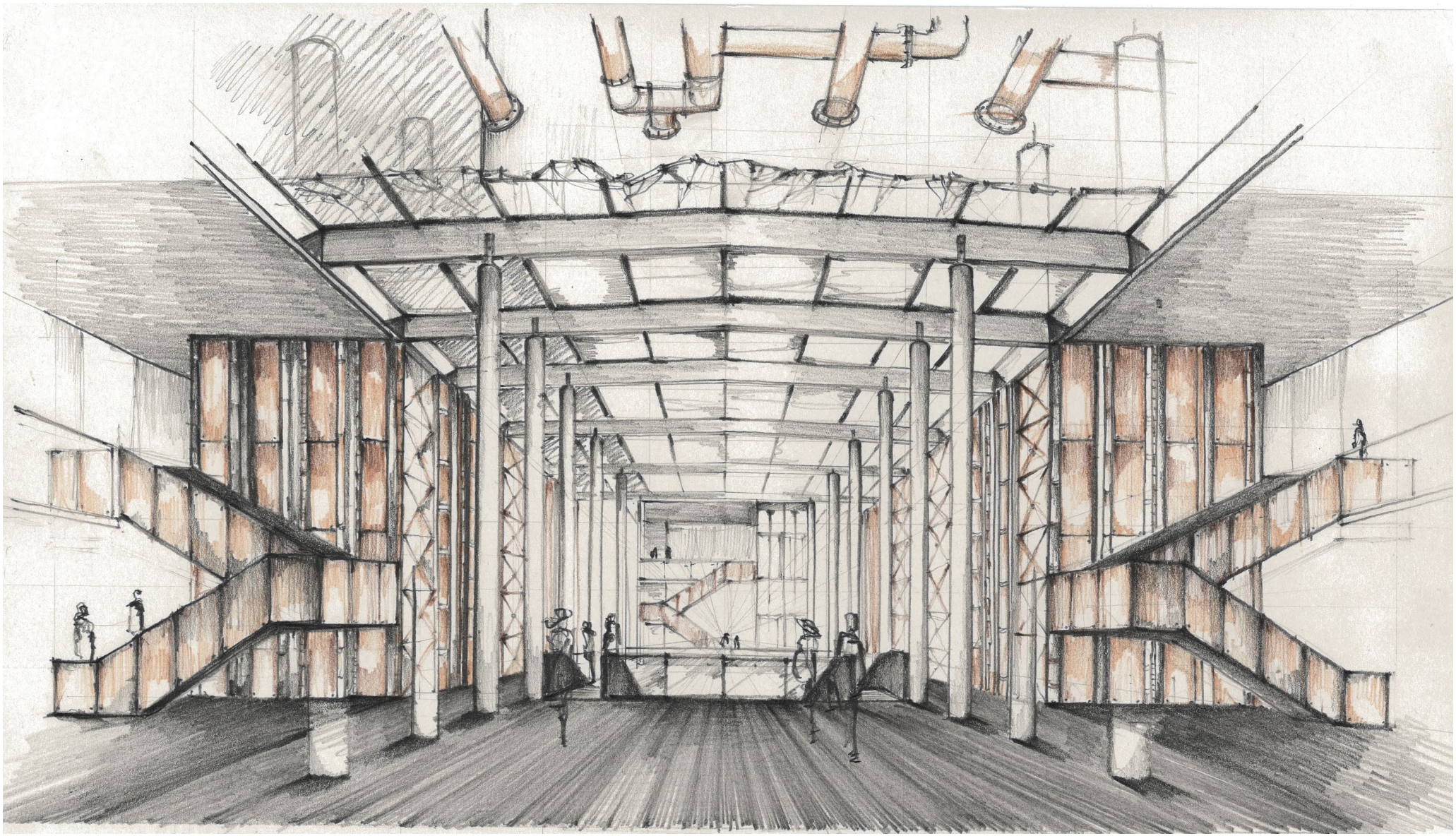


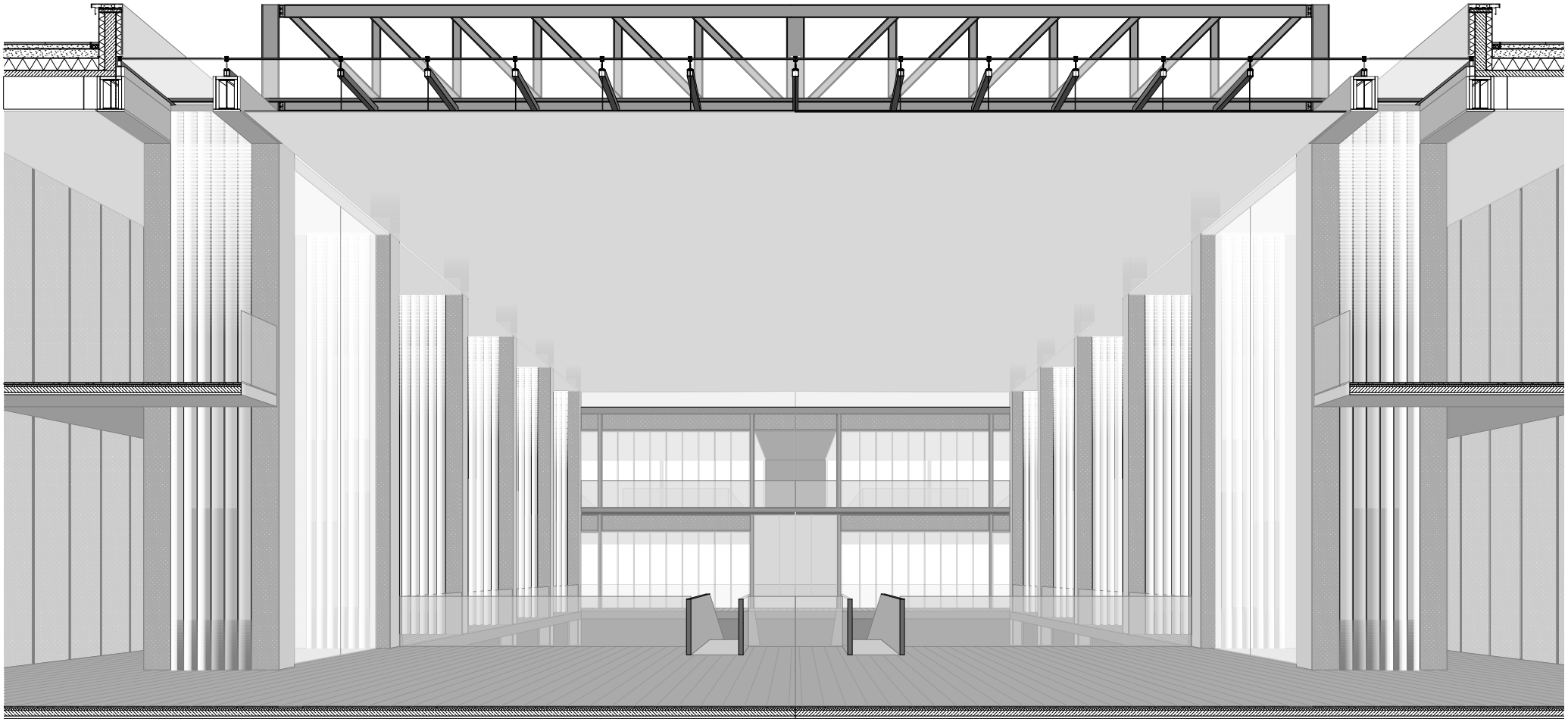


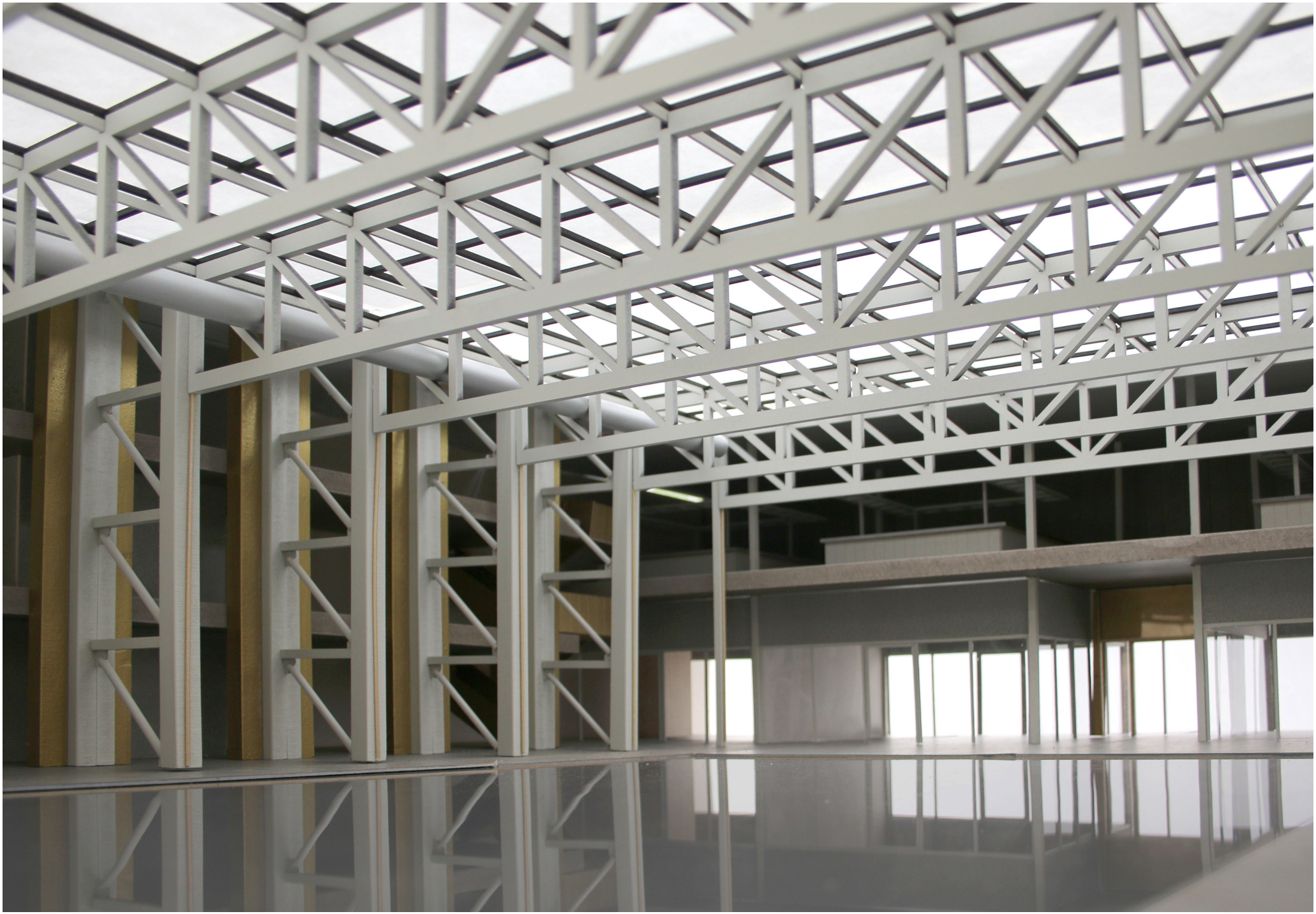
climate



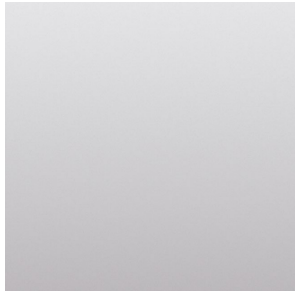
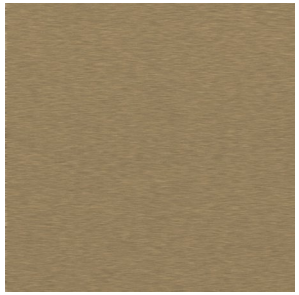
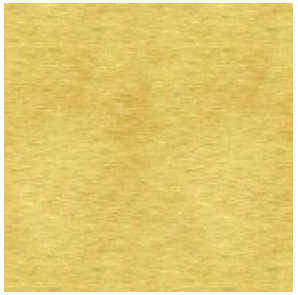
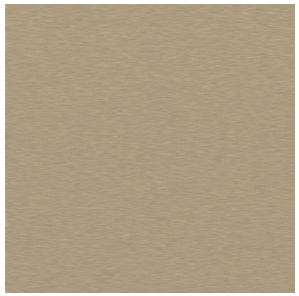
materiality



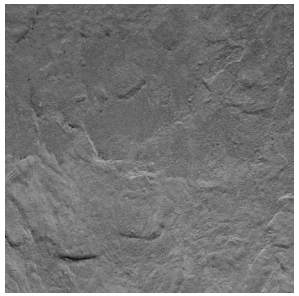




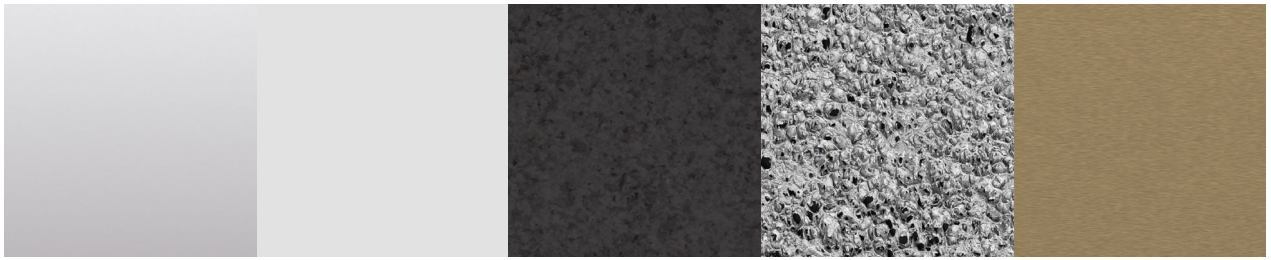
METALS

	ALUMINIUM	COPPER	BRONZE	ALUMINIUM - BRONZE	BRASS
					
PATINA					
	100% Al	**100% Cu**	**75% Cu 25% Sn**	**95% Cu 5% Al**	**70% Cu 30% Zn**
USE	Roofing Cladding Curtain-Wall Insulation Ductwork Hardware Lighting	Roofing Cladding Finishing details	Window frames claddings balustrades	Window frames claddings balustrades	Roofing Cladding Finishing details
THERMAL CONDUCTIVITY M-6/IN.C)	237	413	26	83	111

STONE

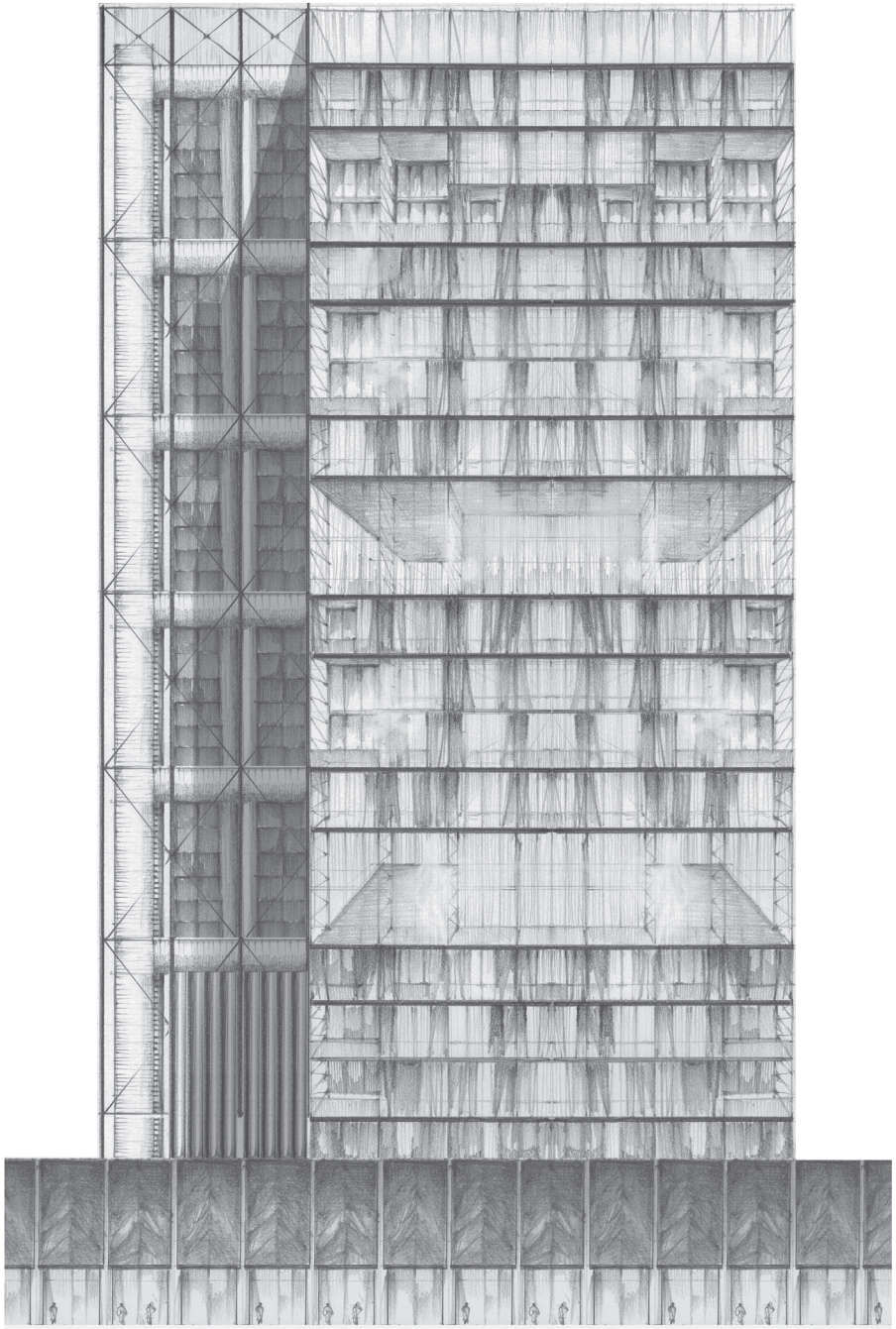
	MUSCHELKALK	TRAVERTINE	MARBLE	GRANITE	SLATE
					
PATINA					
USE	Construction Sculpture Wall cladding	Construction Sculpture Wall cladding	Interior cladding Flooring	Interior cladding Flooring	Roof construction Flooring Wall cladding
SOURCE	South of Germany	Italy	Czech Republic	Czech Republic	Czech Republic

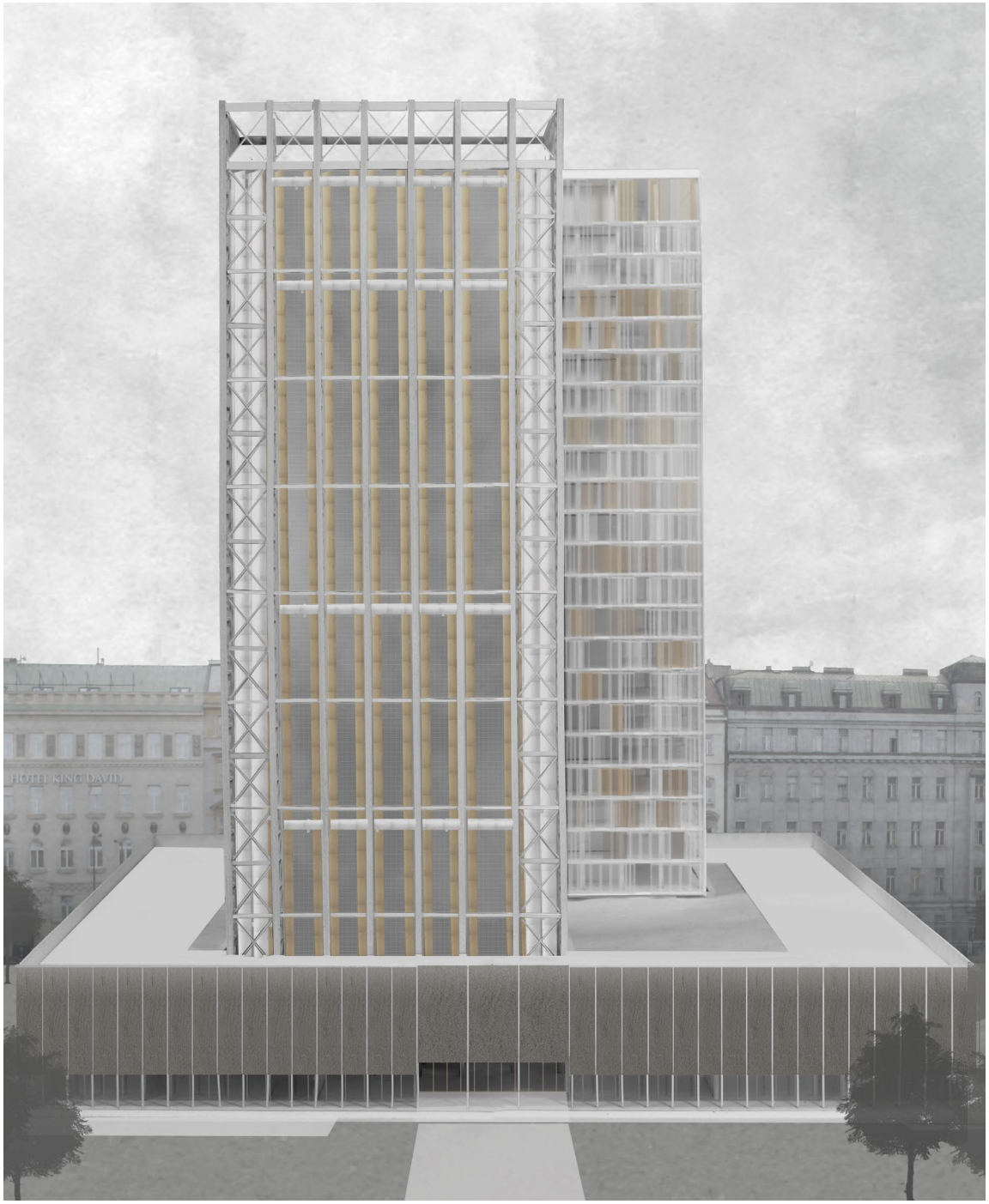
interior



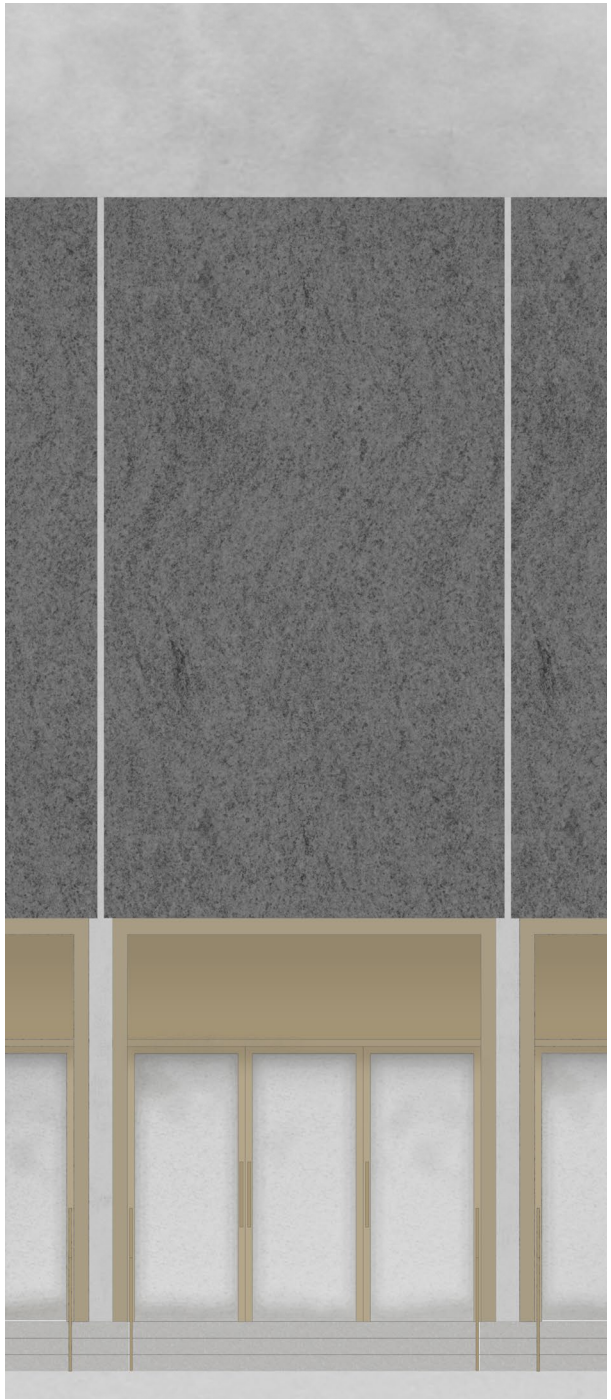
exterior

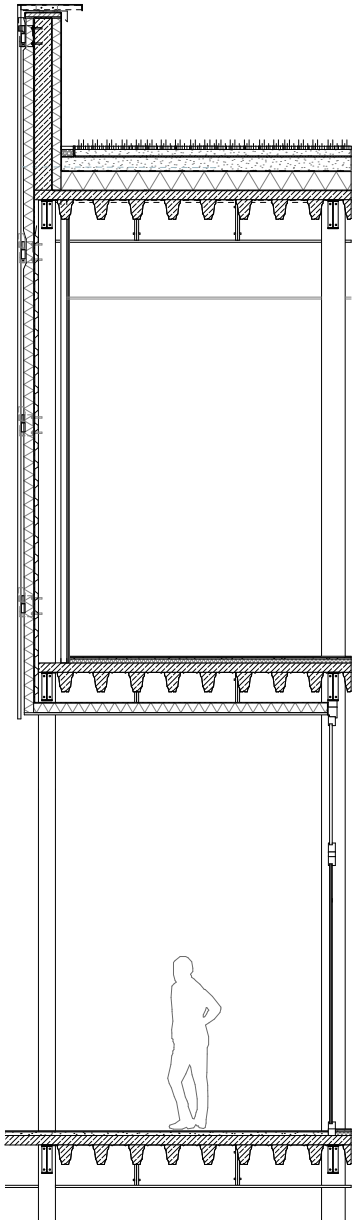
Lacaton Vassal, Dunkerque



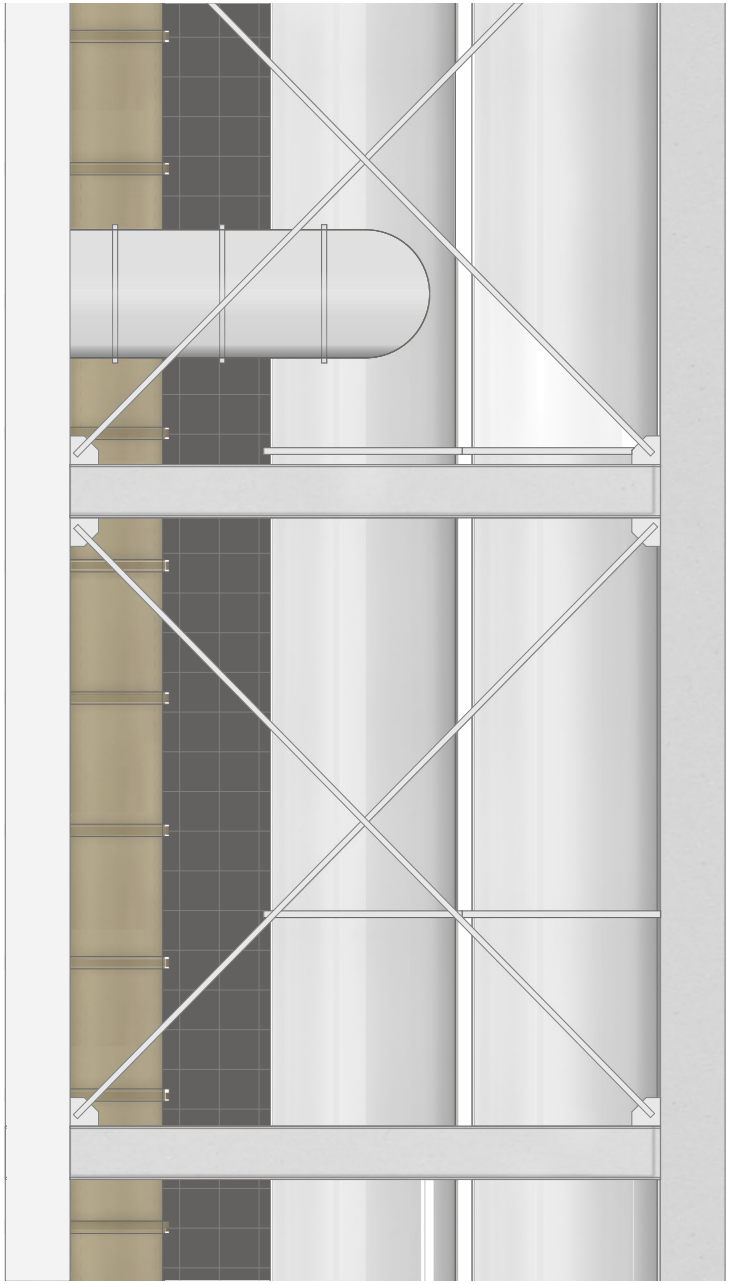

HOTEL KING DAVID

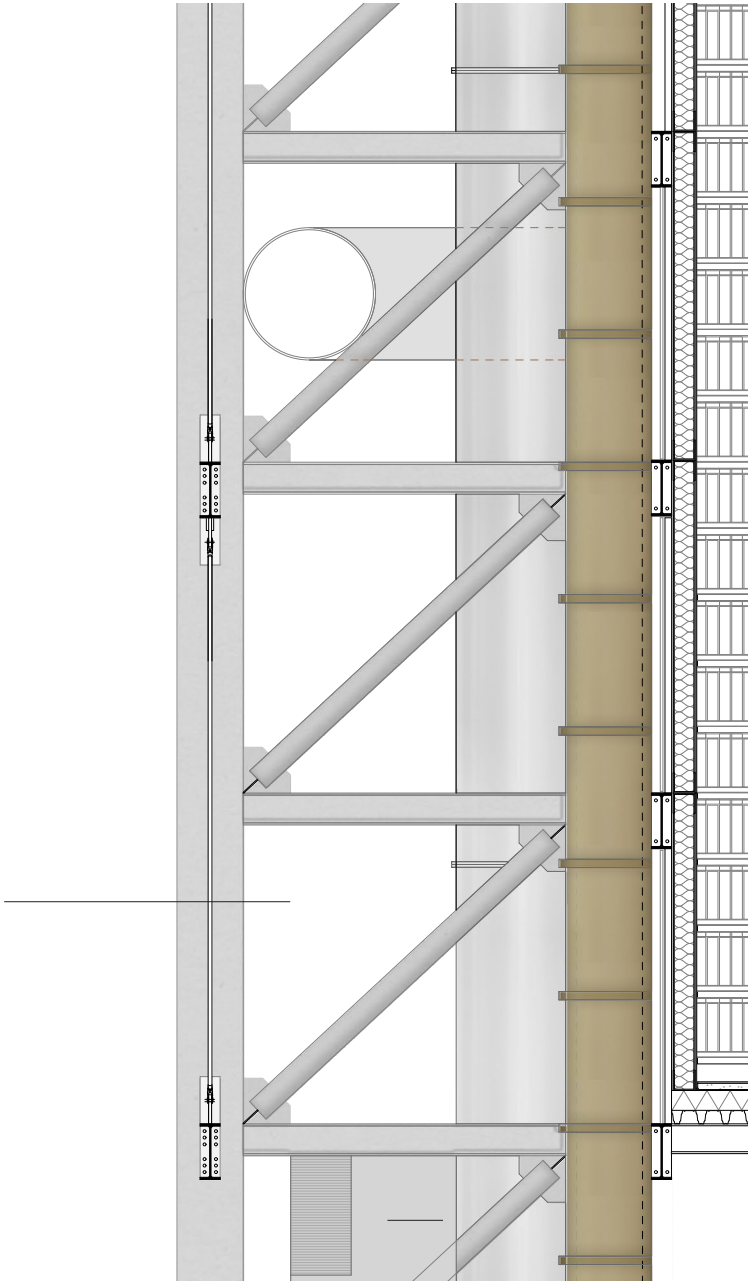
entrance





storage





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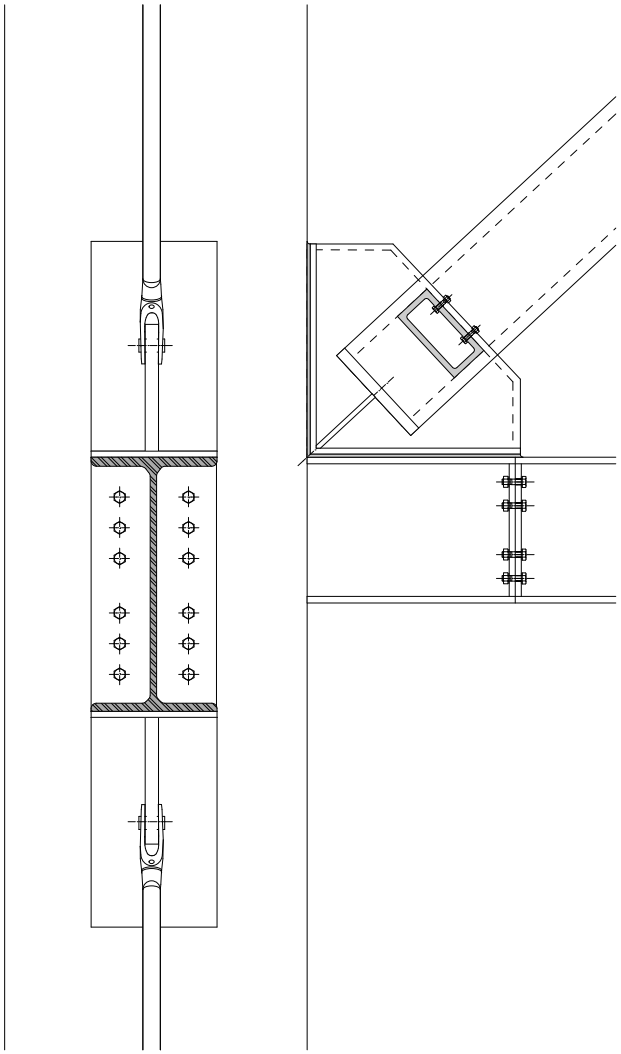
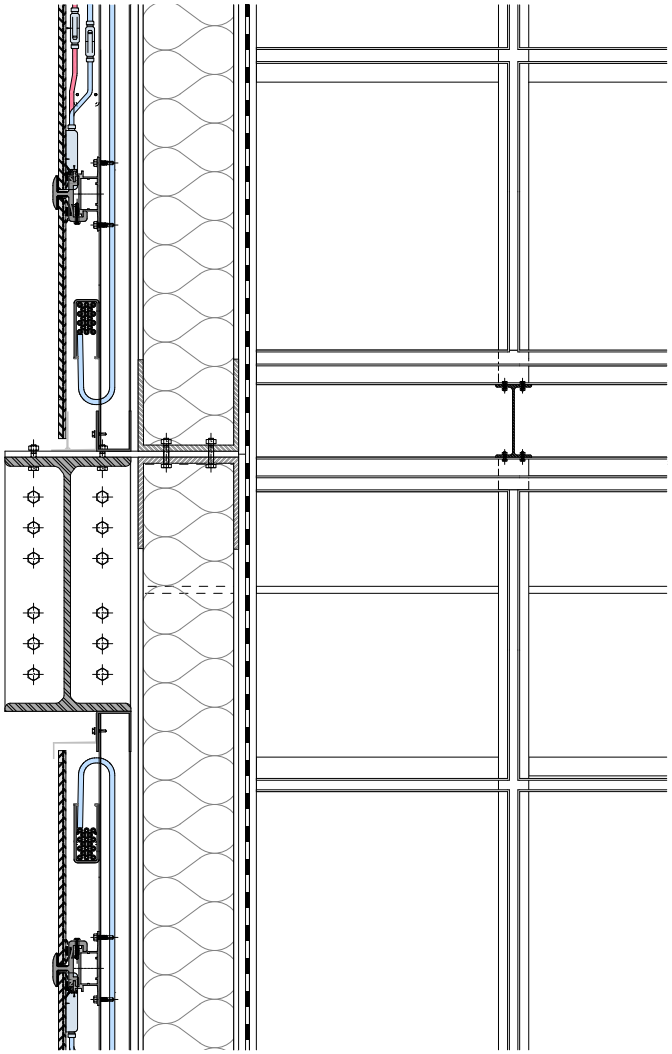
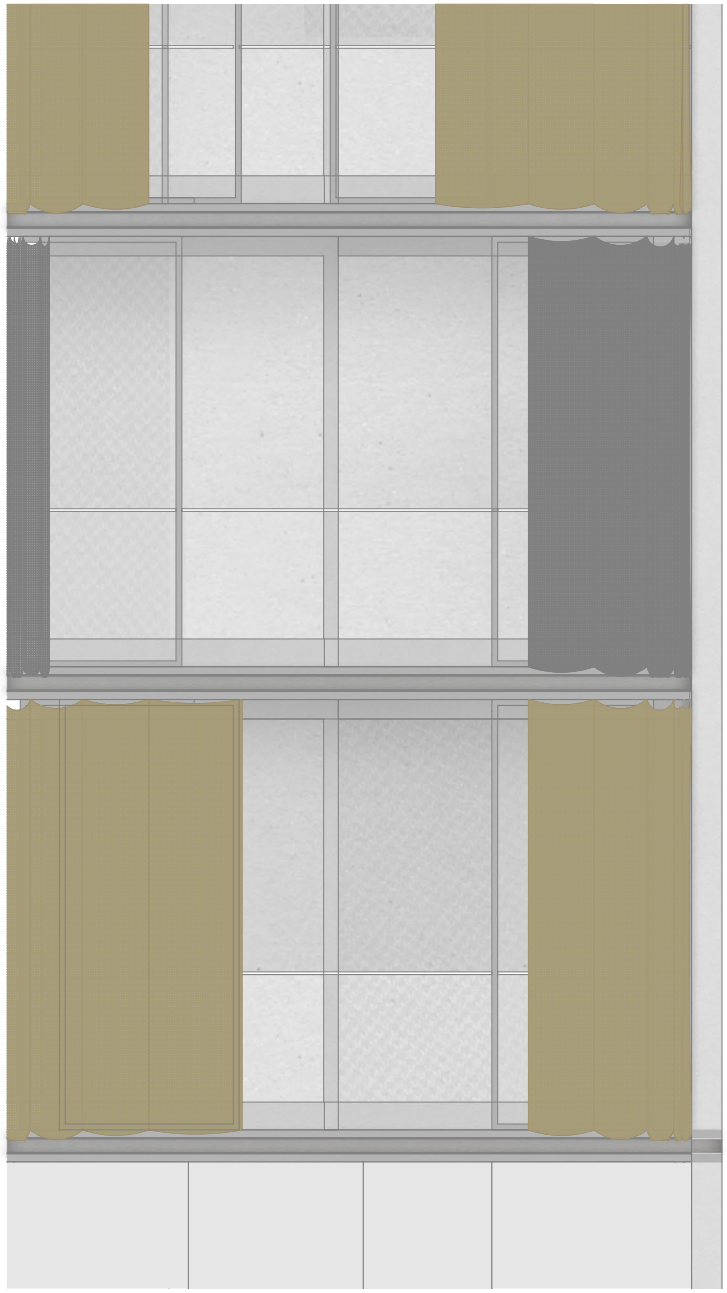
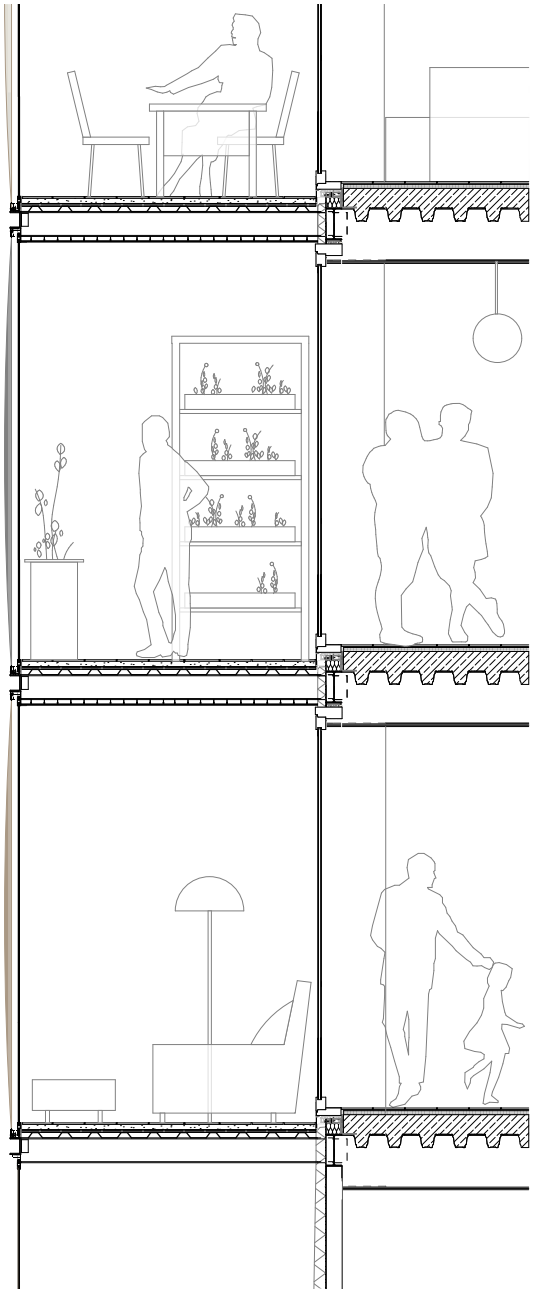


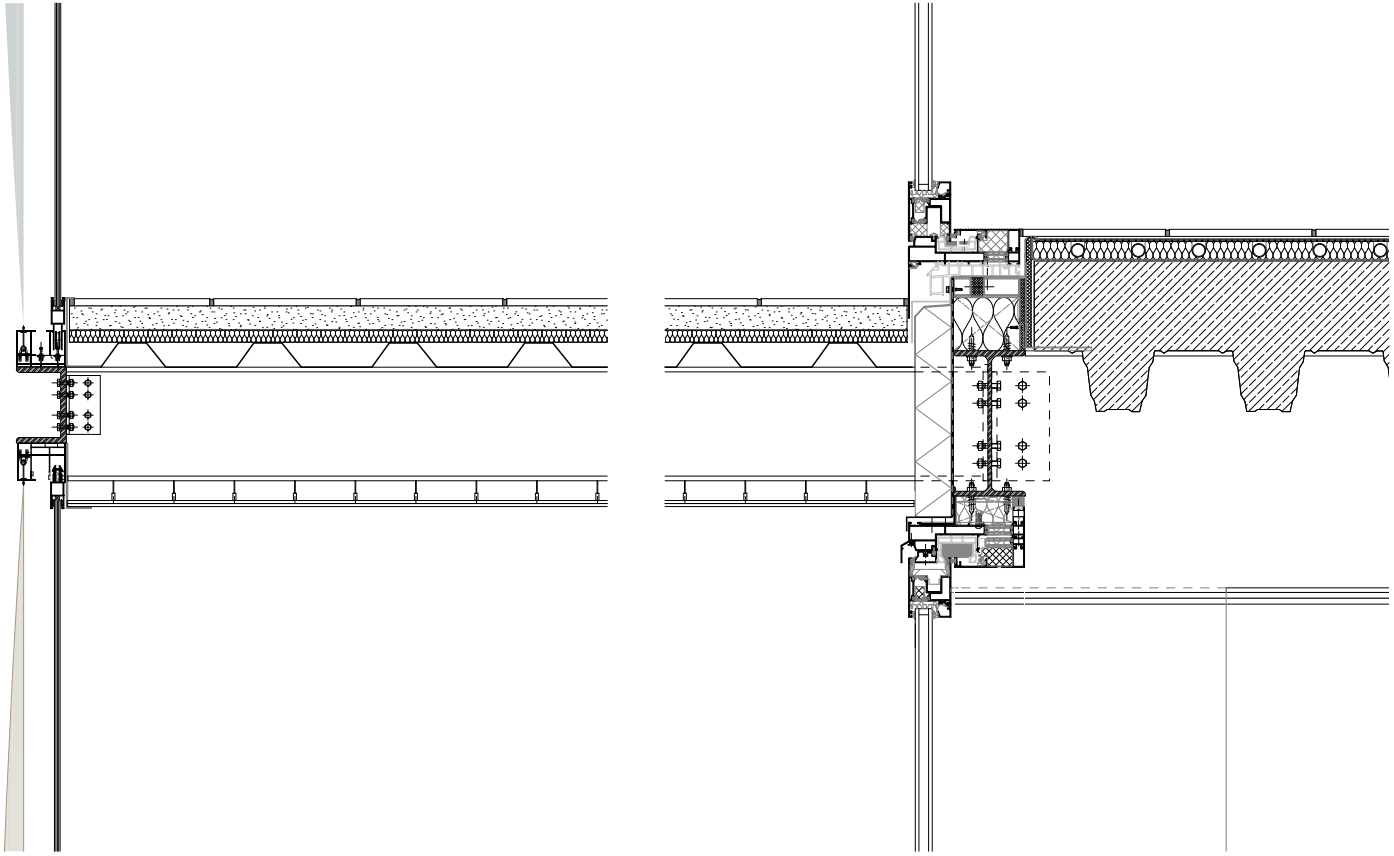


housing

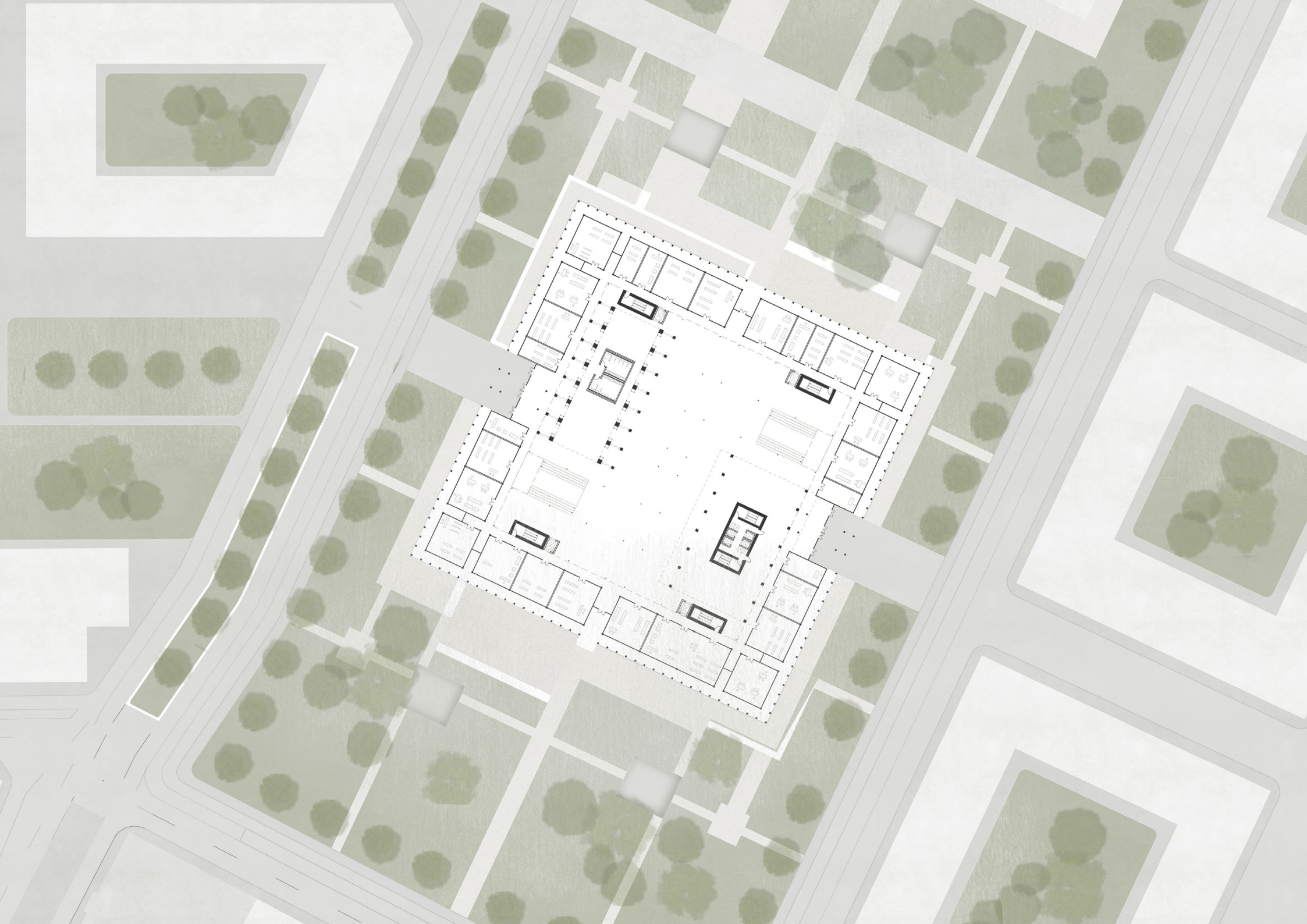


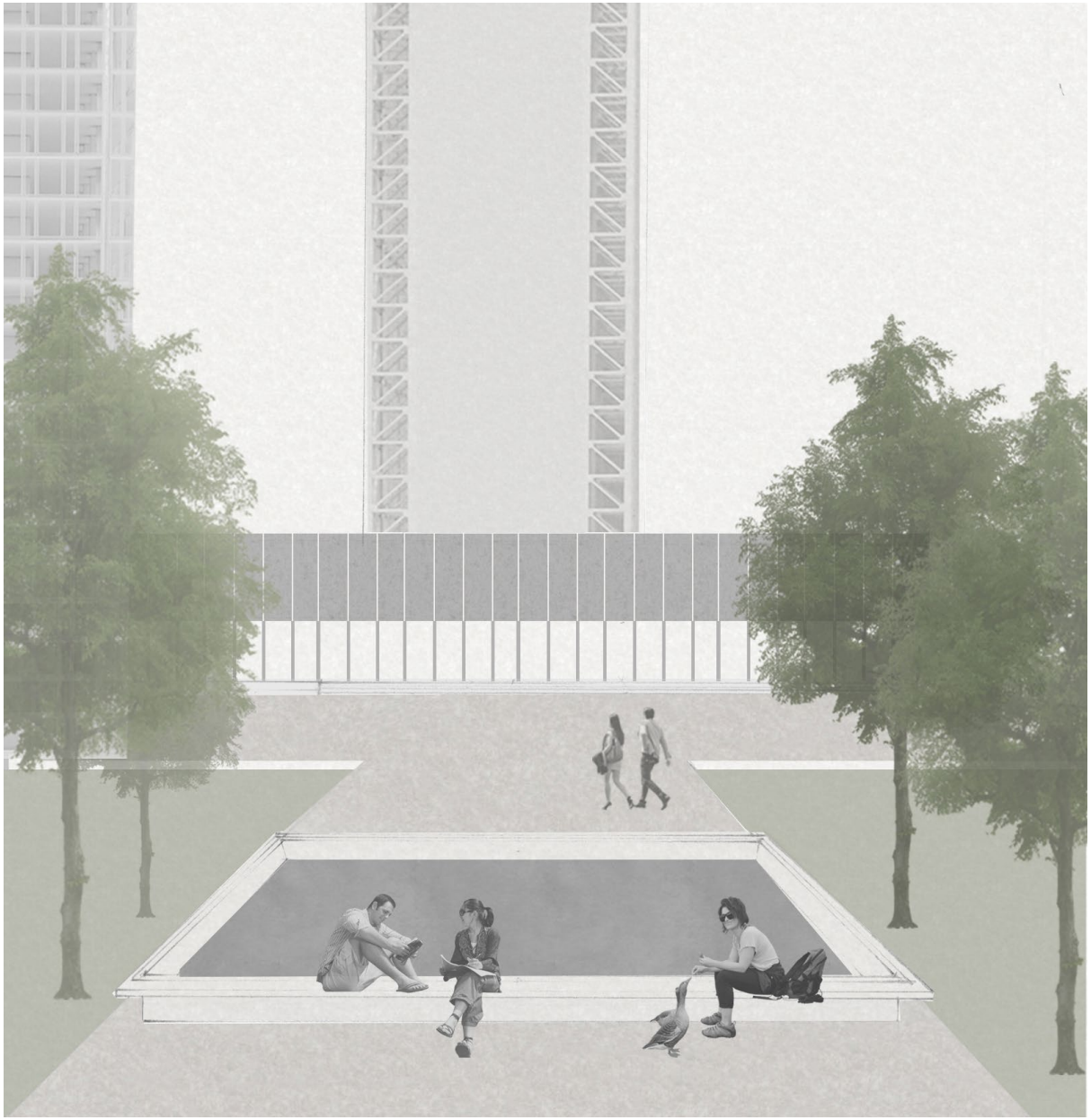


housing

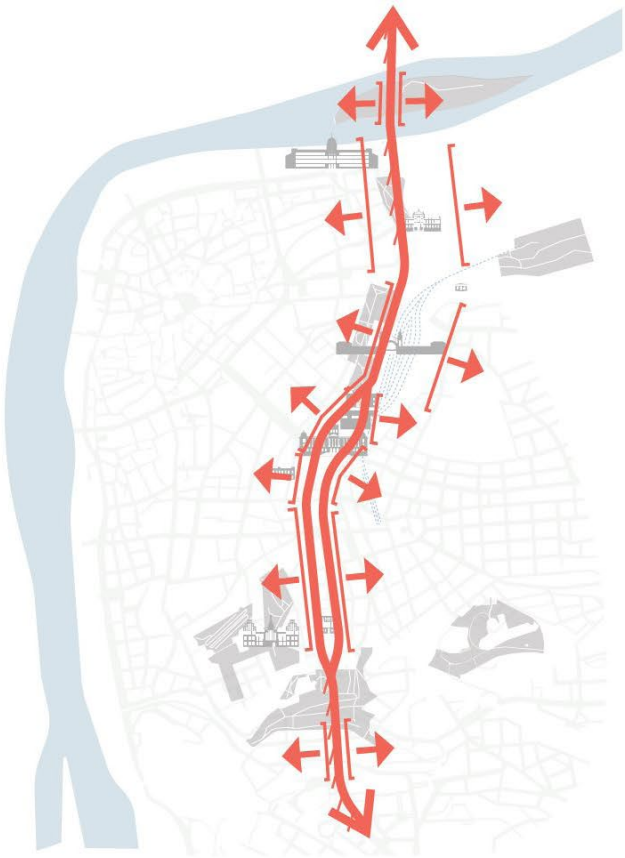


landscape





Proměna magistrály
je součástí širšího kontext



Z MĚSTSKÉ BARIÉRY
A ZATÍŽENÉ DOPRAVNÍ TEPNY...

...K CHARAKTERU MĚSTSKÉ TŘÍDY, KTERÁ
PROPOJUJE LIDI, MĚSTSKOU VYBAVENOST
A MĚSTSKÉ ČÁSTI.

Gehl

Shrnutí
Charakter a způsoby řešení

Stromořadí podél magistrály

Snadný přístup k řece

Parky v místě původního opevnění

Více vegetace

Zelené pásy propojující parky

Orientační systém

Čitelný charakter místa

Aktivní parter budov

Využití rozvojového potenciálu

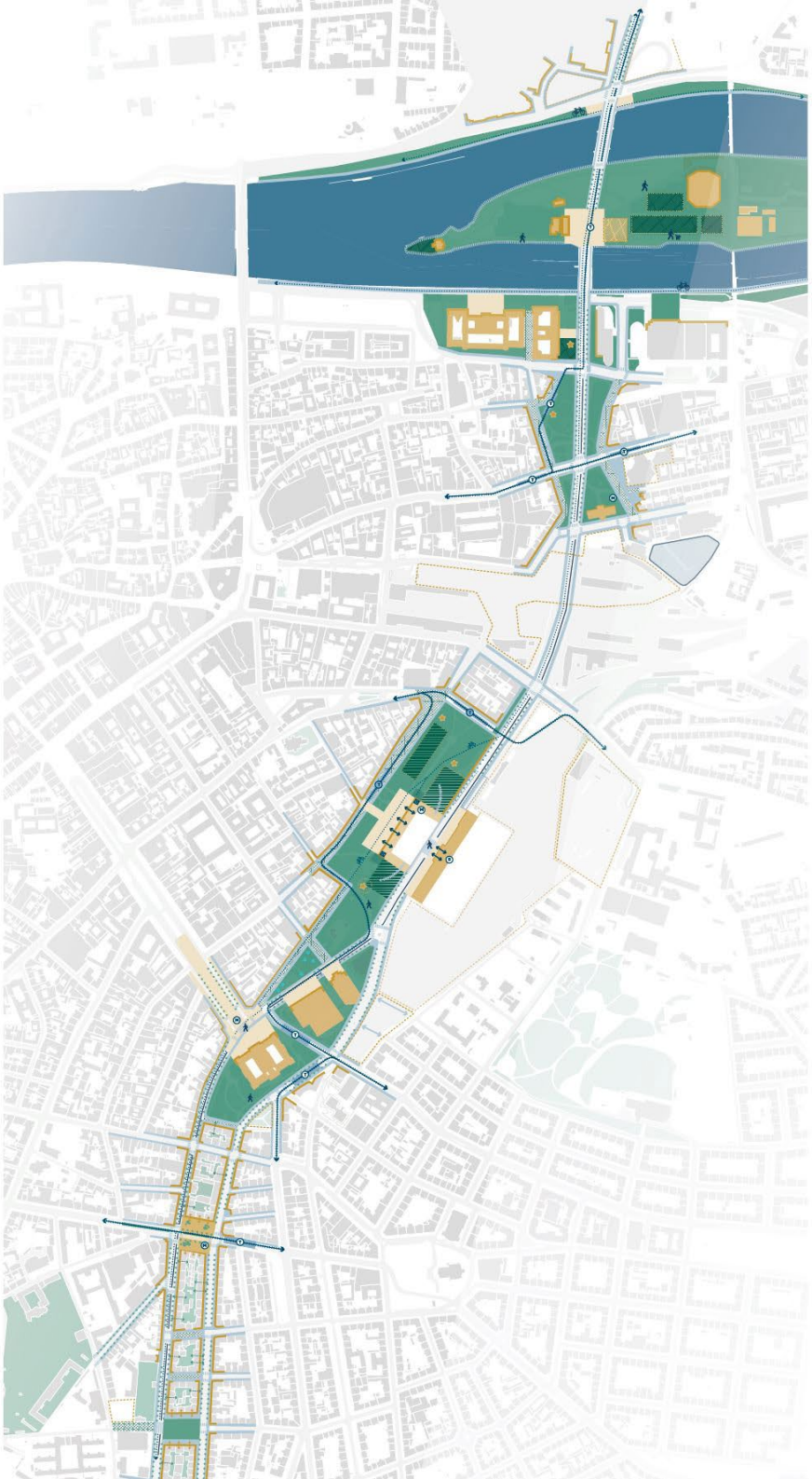
Vytvořit cykloopatření

Oživit veřejná prostranství

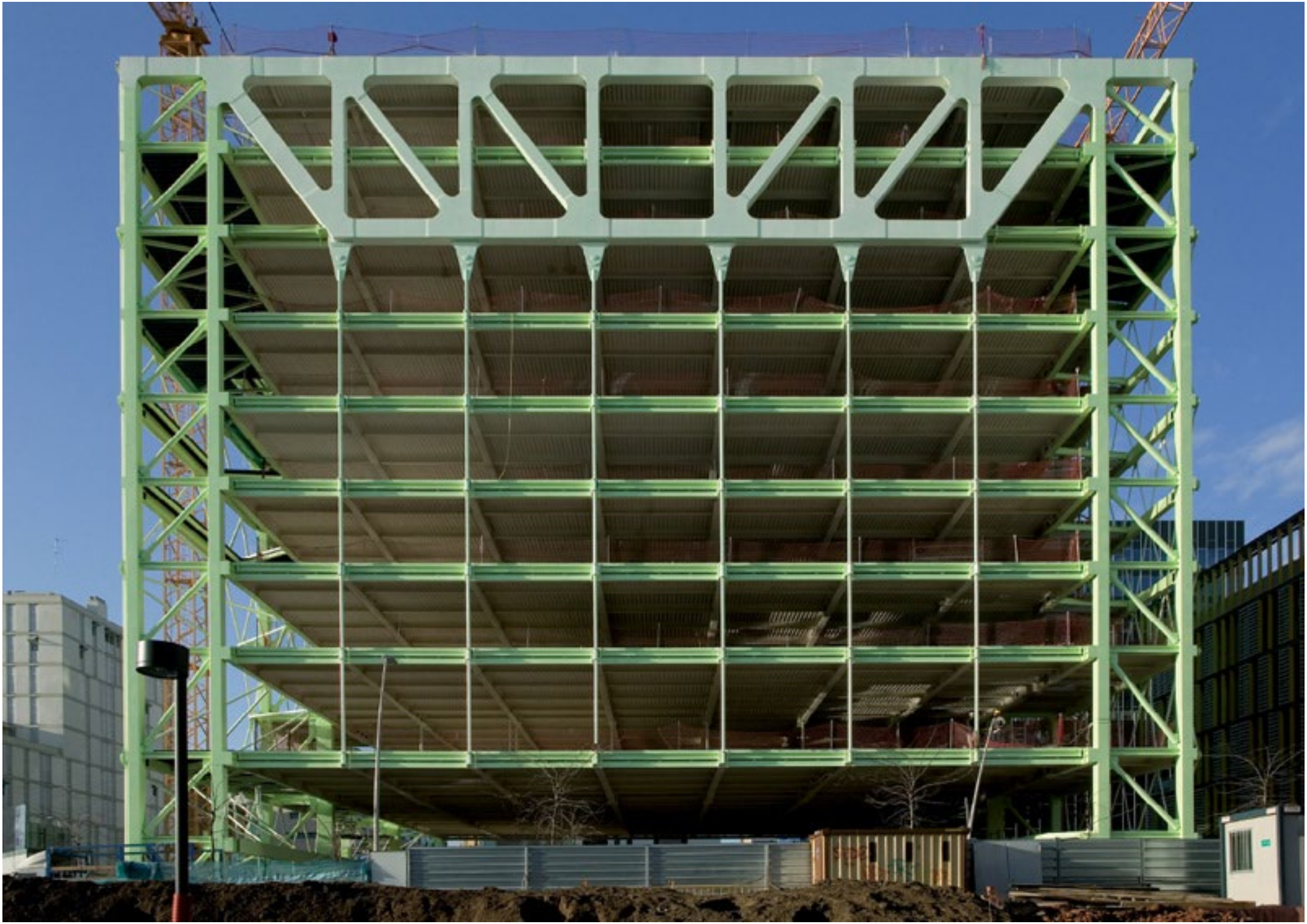
Vyhrazené pruhy pro autobusy na magistrále

Přechody pro chodce na všech stranách křižovatek

Doplnit chodníky podél ulic



Gehl



AIR PRESSURE TRAIN STATION