

# BONDING BUILDINGS





## **BONDING BUILDINGS**

Taking into account that bond refers to the close connection which joins people together, in this project, the term "bonding buildings" represents a play on words, since it entails both, bringing together people and connecting buildings with the already existing ones.



PRESENTATION

INSPIRELLI 2021

CAMPUS STU

PROFESSOR

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ANALYSIS



# LOCATION



EUROPE



SLOVAKIA



BRATISLAVA

# LOCATION



RELEVANT BUILDINGS



STU

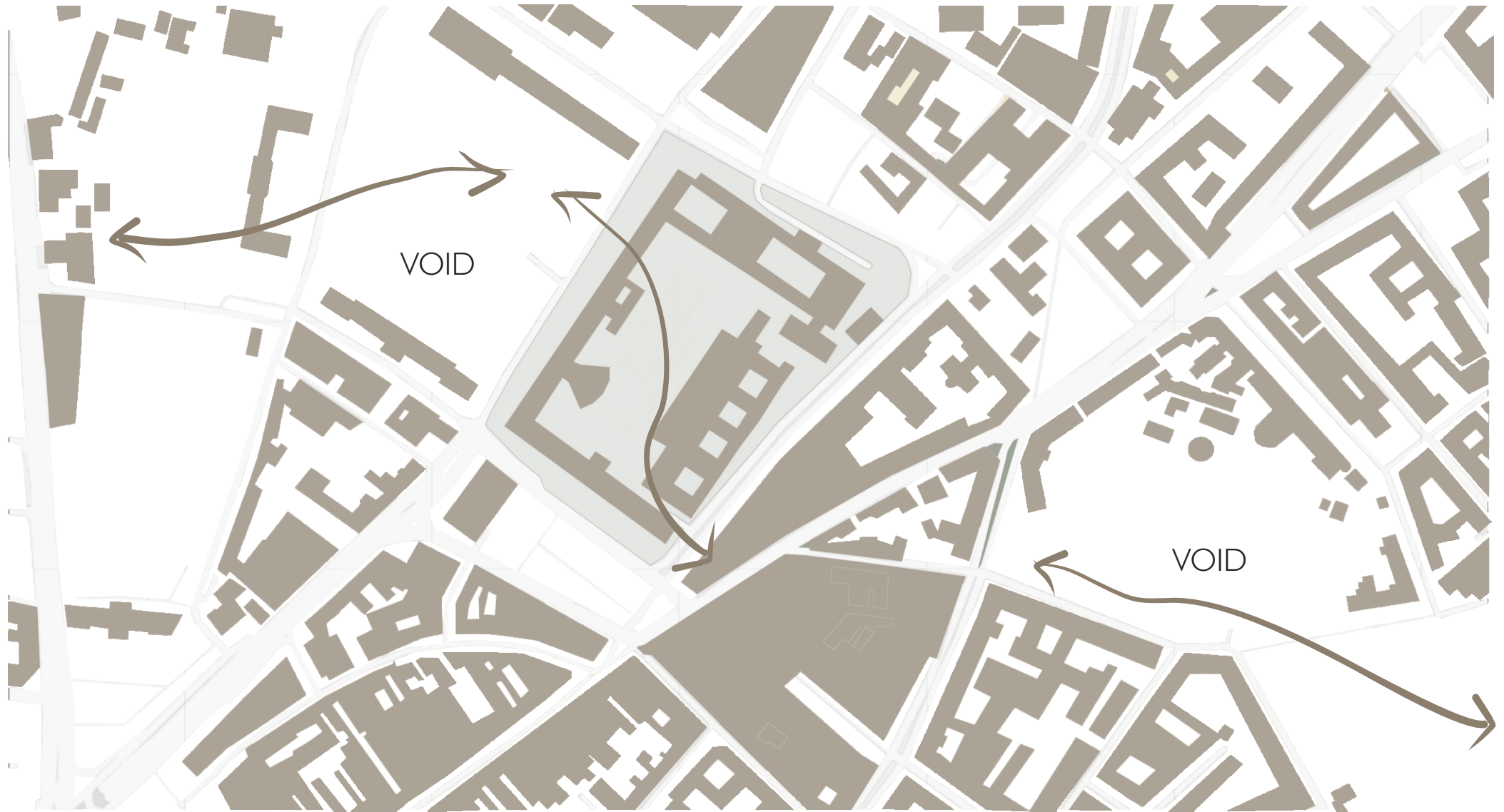


OTHER LOCATIONS

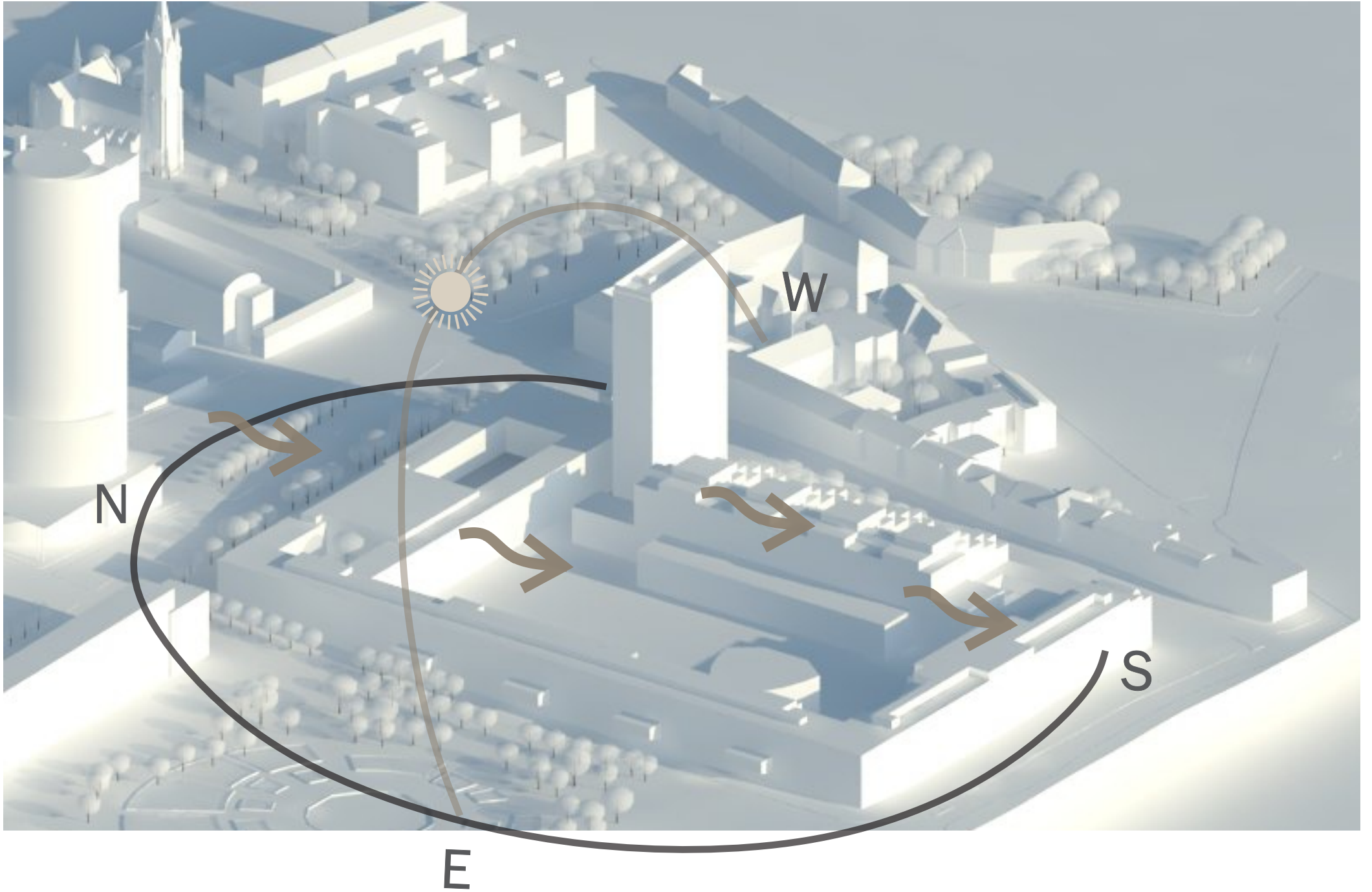


GREEN AREAS

# STU AS URBAN VACUUM CONNECTION



SUNNY

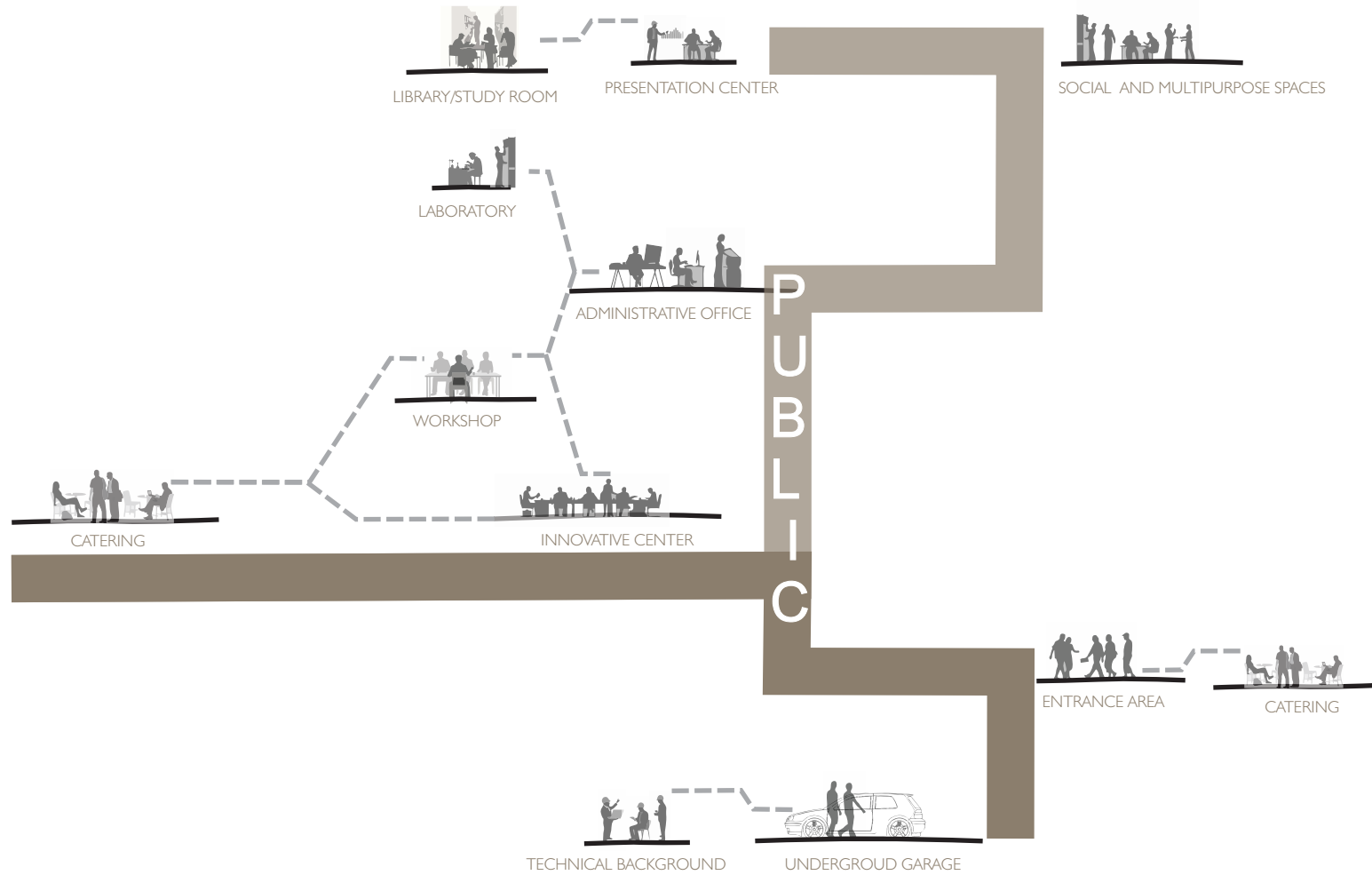


PROGRAM



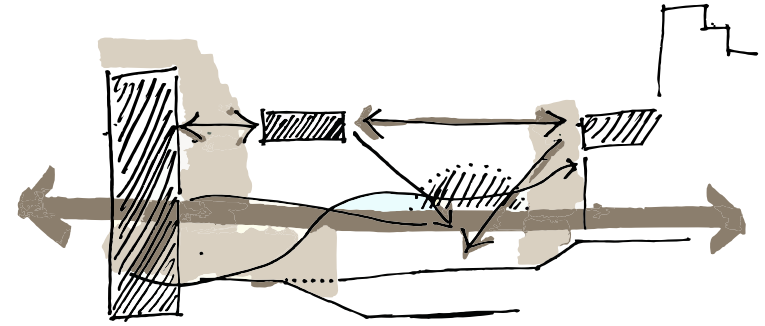
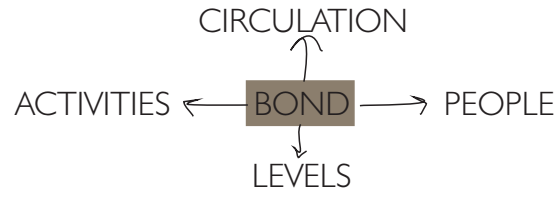
<b>Spaces</b>	<b>Space area m2 (max. size)</b>
Innovative interdisciplinary research center STU, startup center, cooperation with practice	4000
Presentation (experiential) center of science and research.	1000
Administrative offices of the Rectorate in connection to research	500
Social, exhibition and multipurpose spaces	1000
Media library, study rooms	500
Workshops	300
Info services, entrance area	500
Catering, restaurants, cafes	500
Technical background	500
<b>Max.</b>	<b>From 7 500 TO 10 000</b>
Underground garage (under the building and part of the yard) (approx. 300 places)	7 500
<b>SUM</b>	<b>Max. 17 500</b>

# PROGRAM ANALYSIS

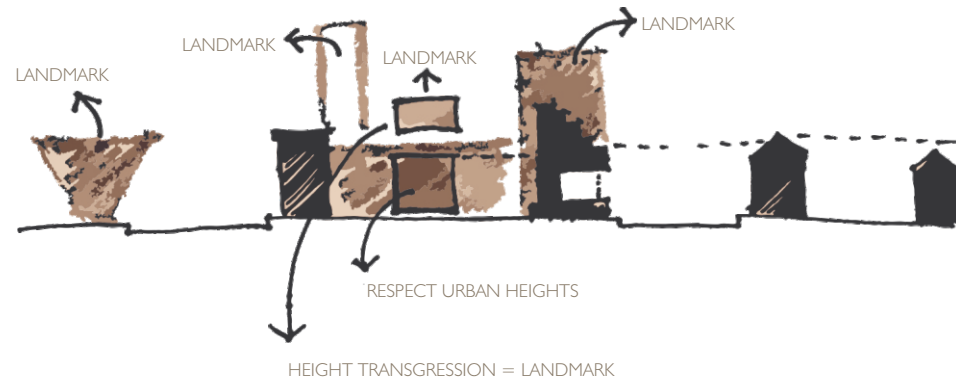


IDEA



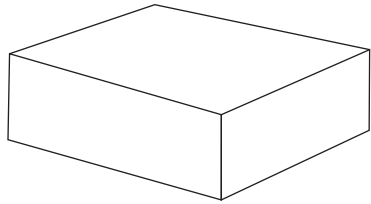


TAKING ADVANTAGE OF THE ROOF LANDSCAPE  
BUILDING THAT GENERATES A NEW LANDMARK

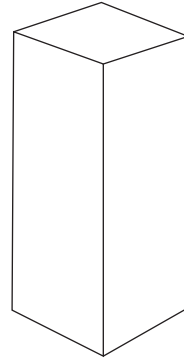


# SITE KEYS

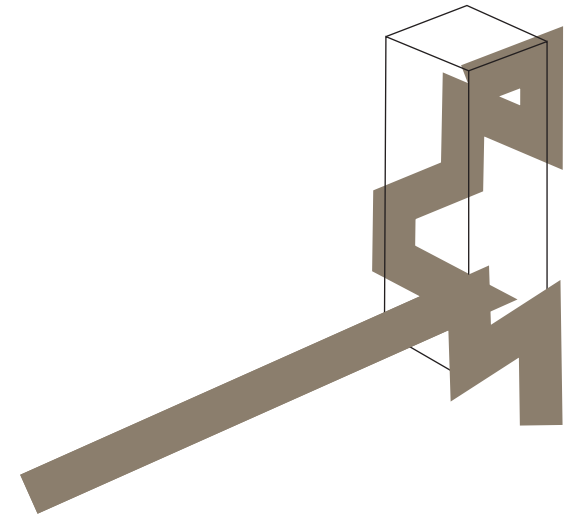
1: BIOCLIMATIC LOCATION



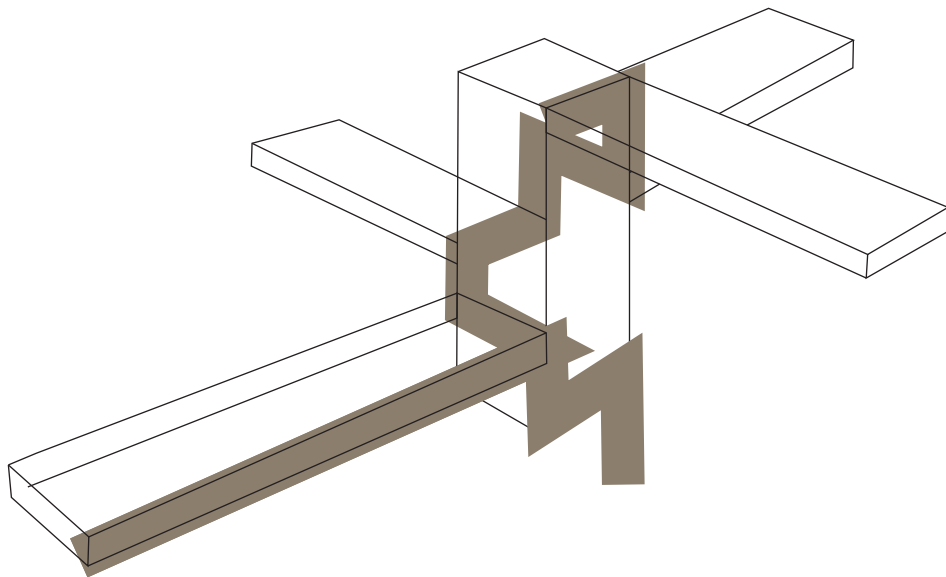
2: SLIM VOLUME AS A VERTICAL COLUMN



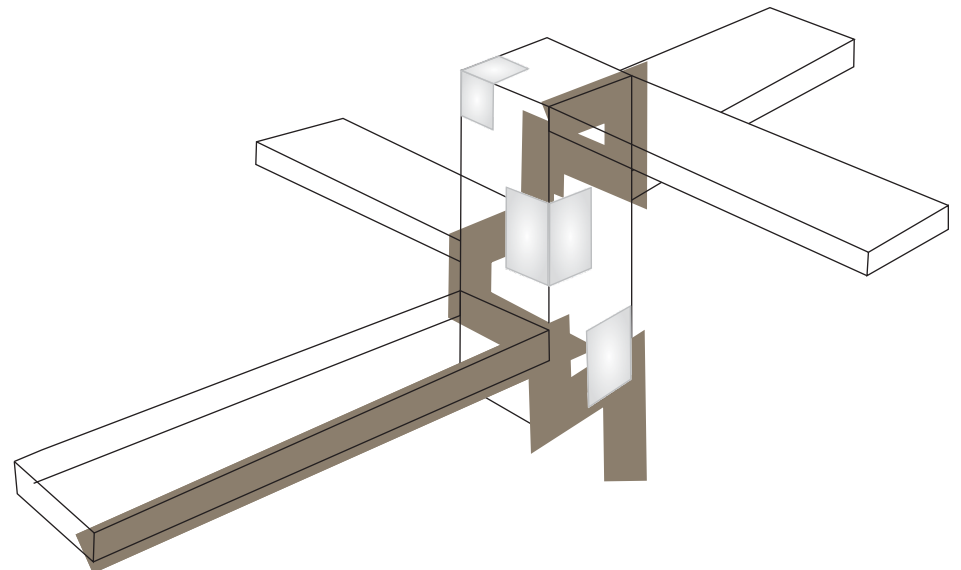
3: RIBBON SPACE CONNECTIONS



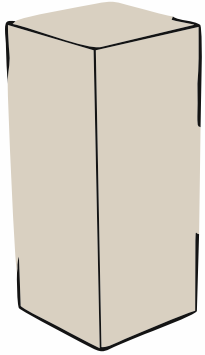
4: TRAY  
LINK IN HORIZONTAL



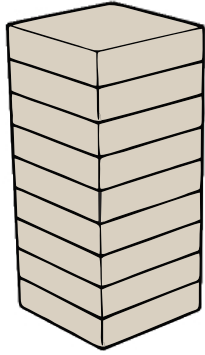
5: FULL AND EMPTY



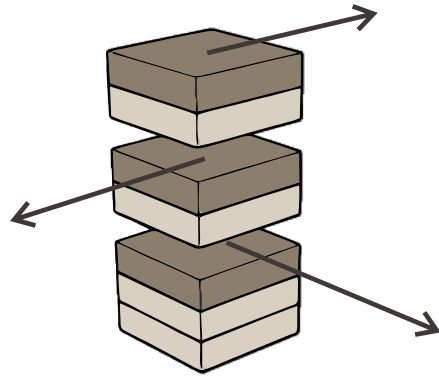
# FORMAL GENERATION



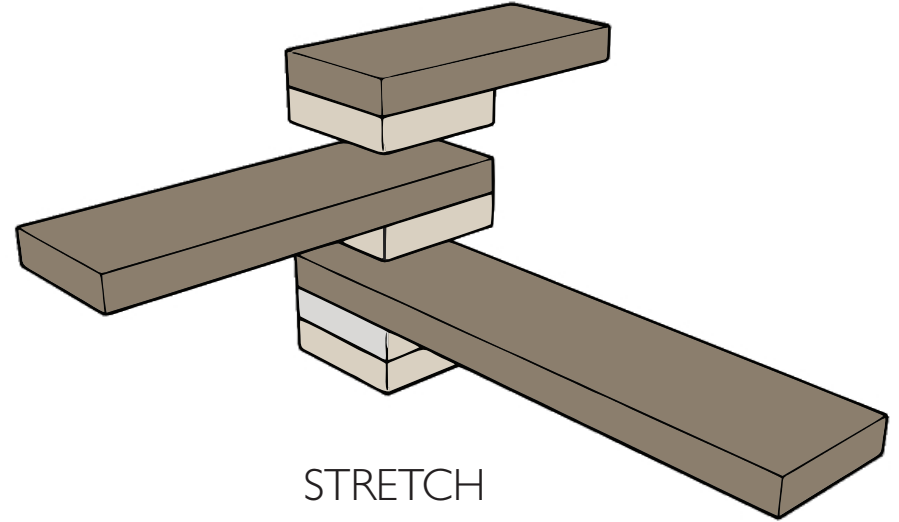
SLENDER



MODULATION

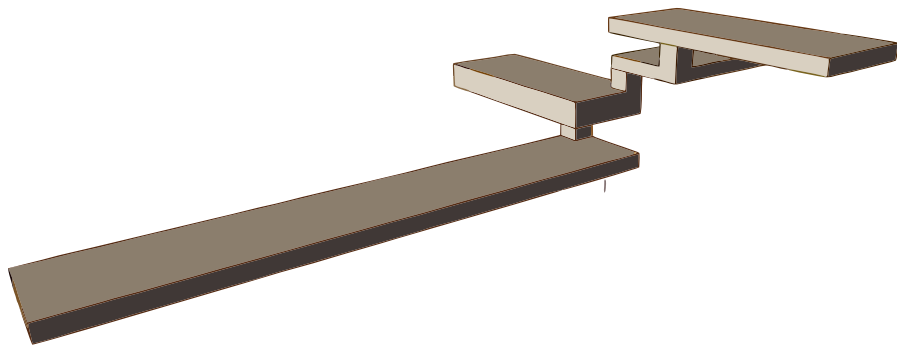


SUBTRACTION



STRETCH

## RIBBON



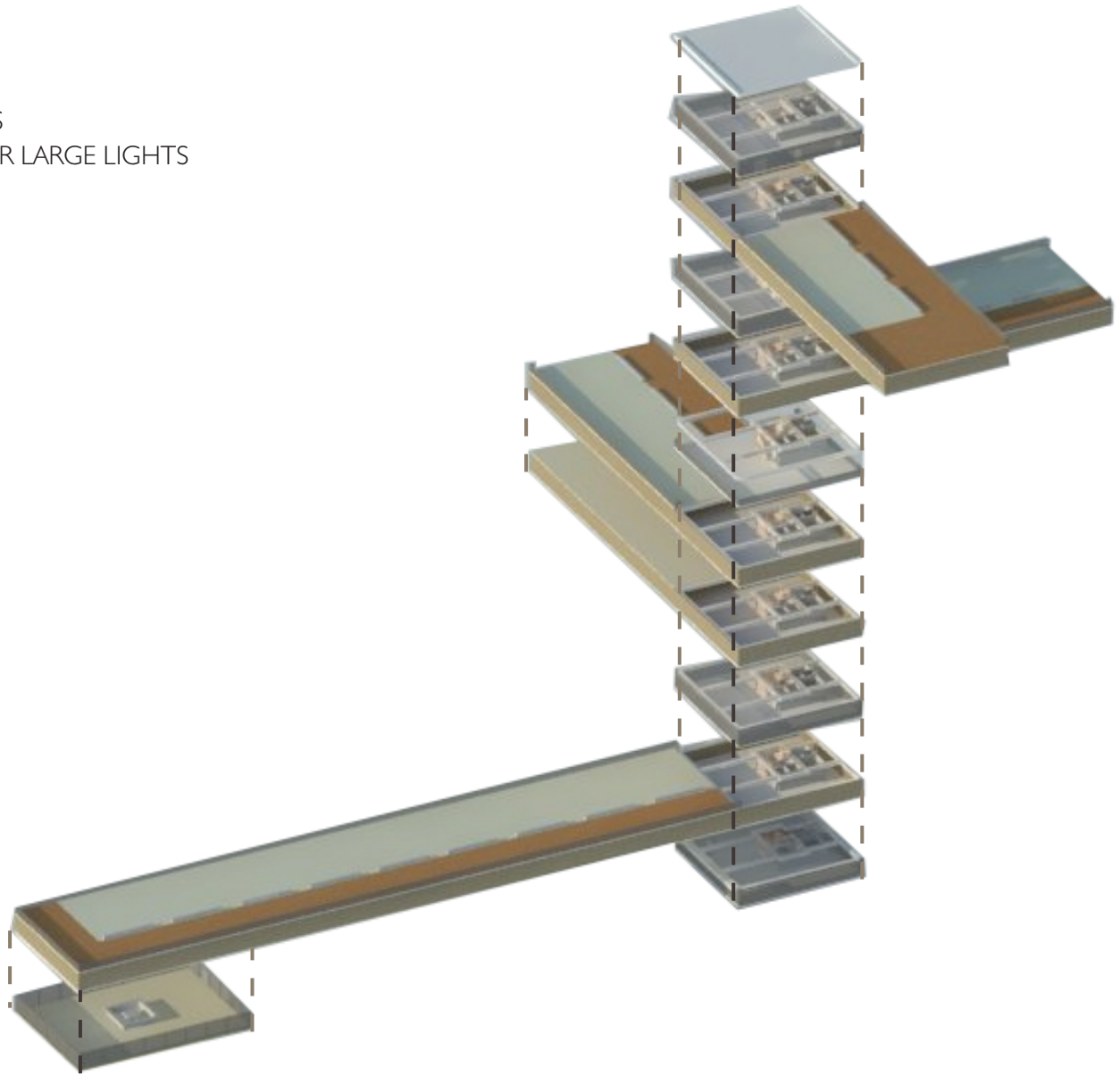
MATERIALITY



# STRUCTURE

METALLIC EXOSKELETON, USING BOYD BEAMS  
PERFORATED CORE BEAMS, ALLOWS TO COVER LARGE LIGHTS

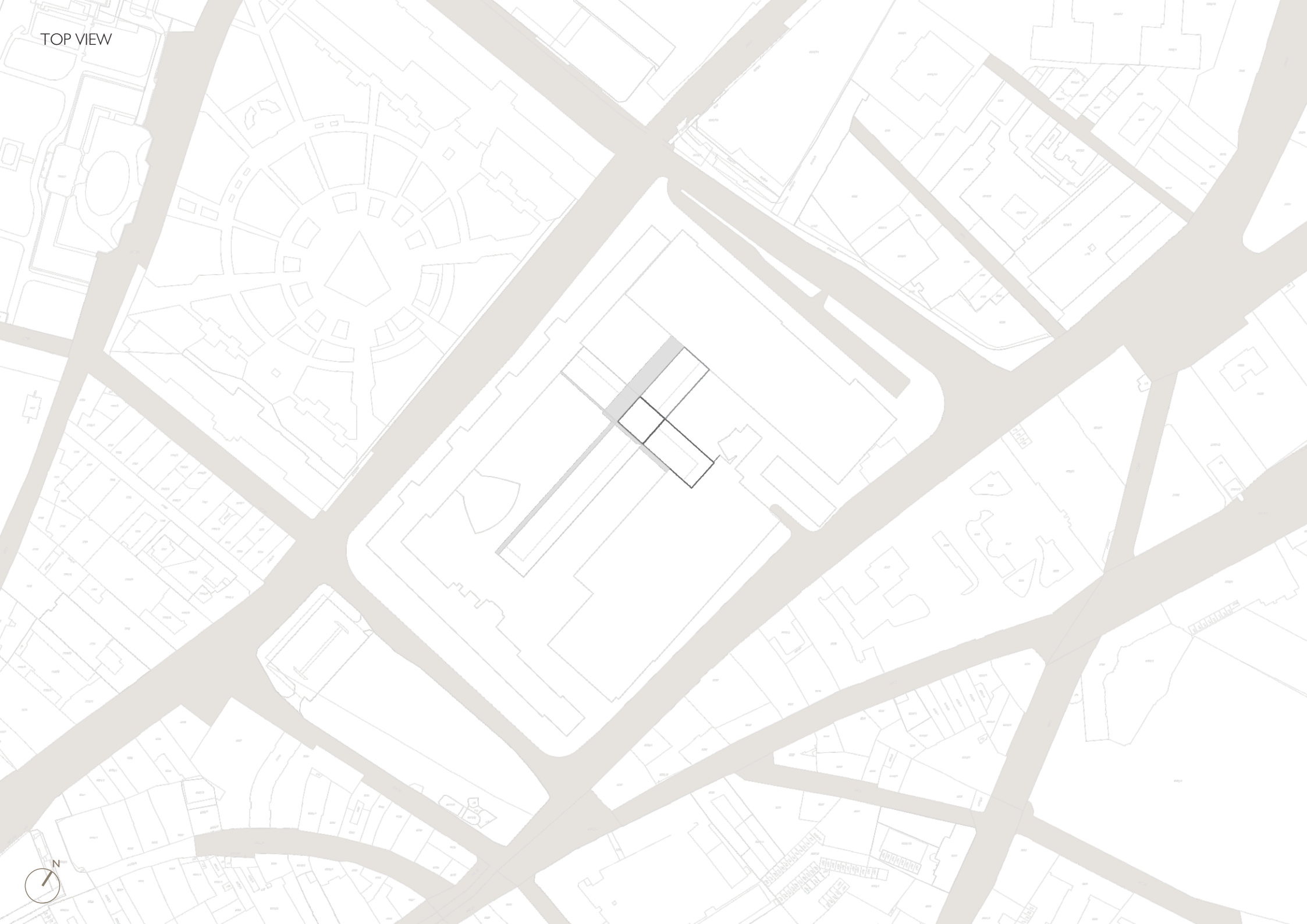
SOLVED TRAYS WITH METAL CELOSIA BEAMS



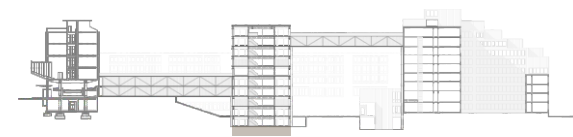
PLANS



TOP VIEW



SUBFLOOR PLAN

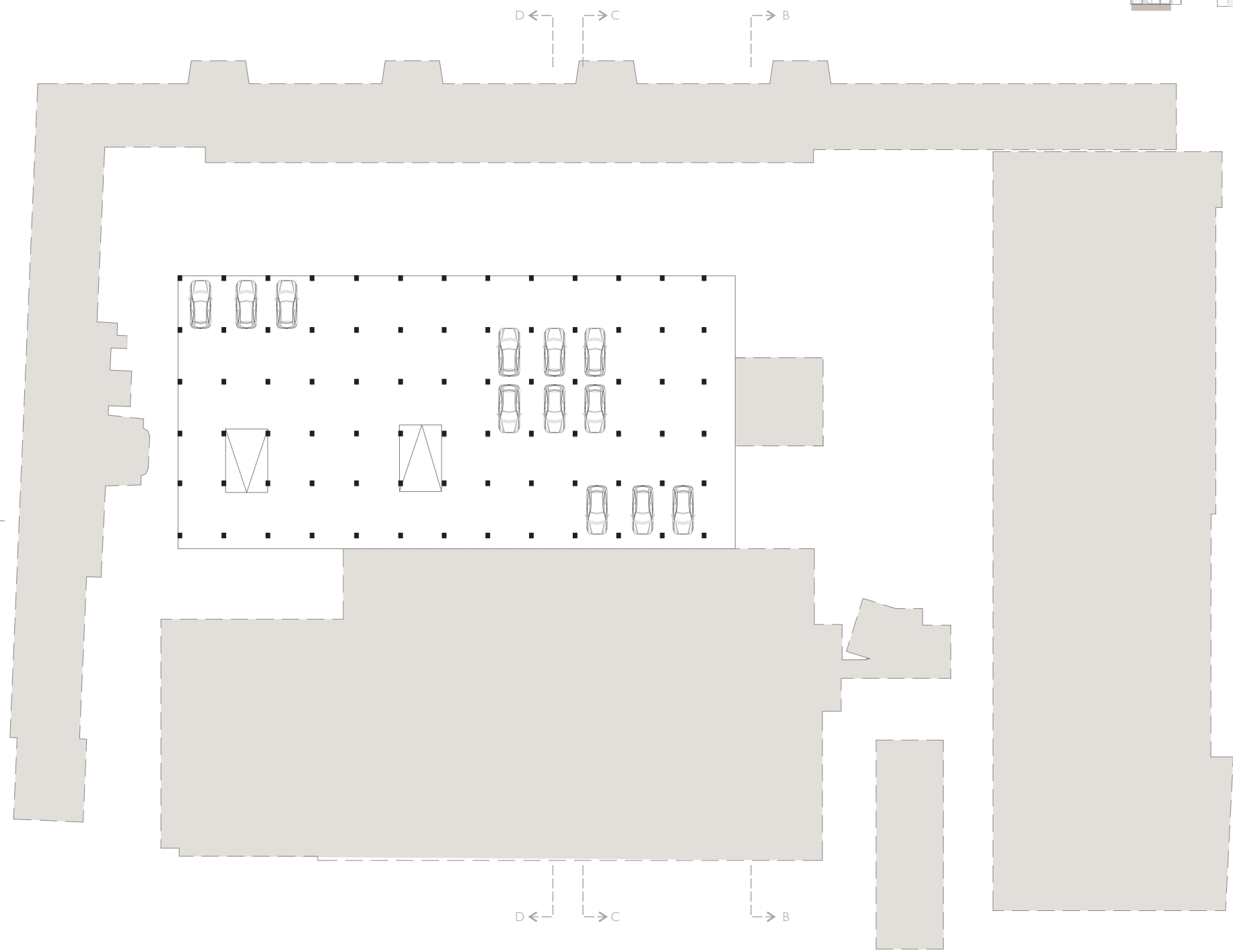


D ← → C      → B

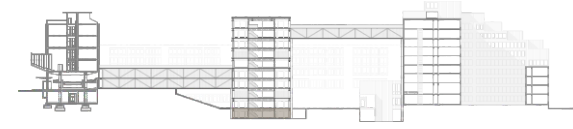
D ← → C      → B

A ↑

A ↑



SUBFLOOR PLAN



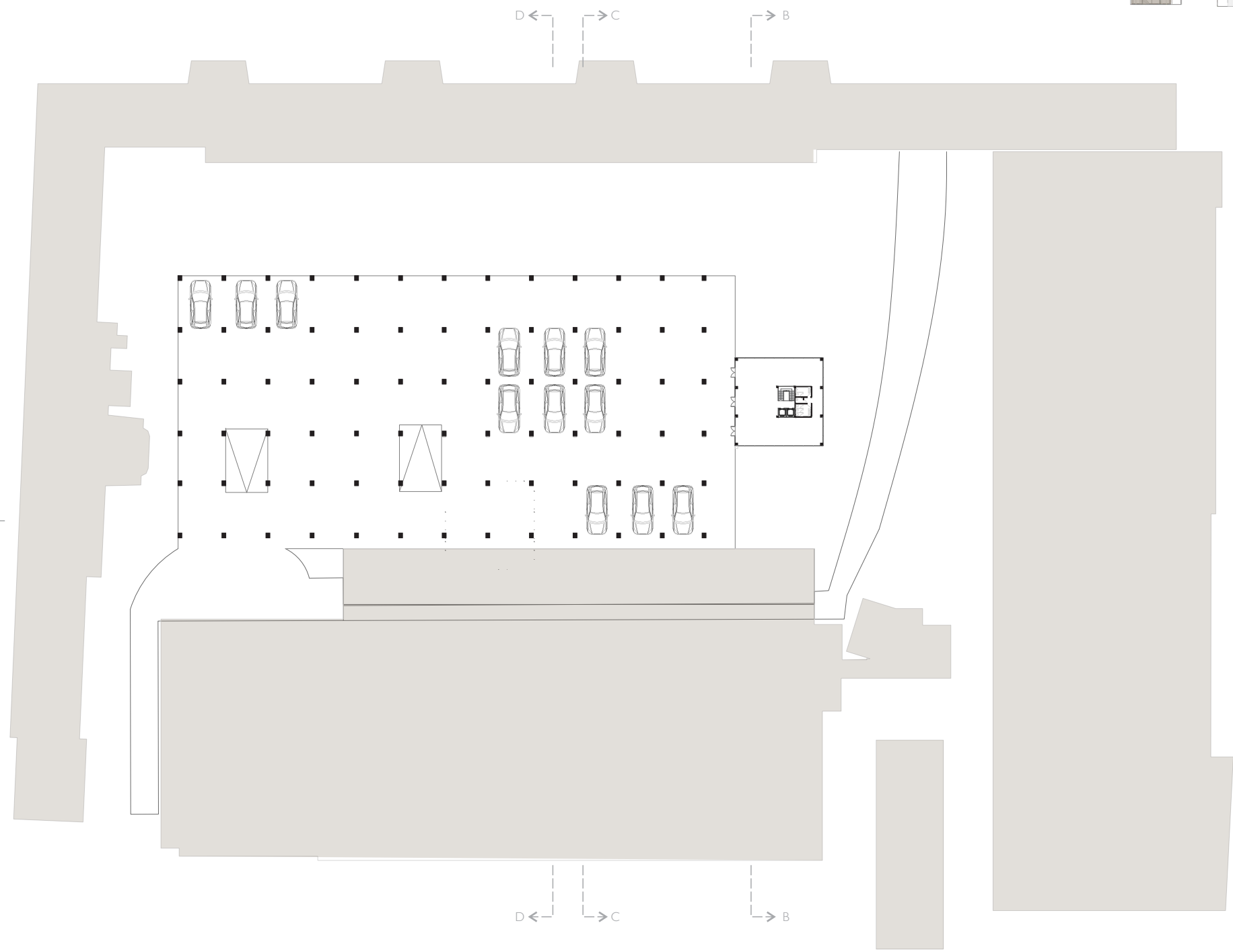
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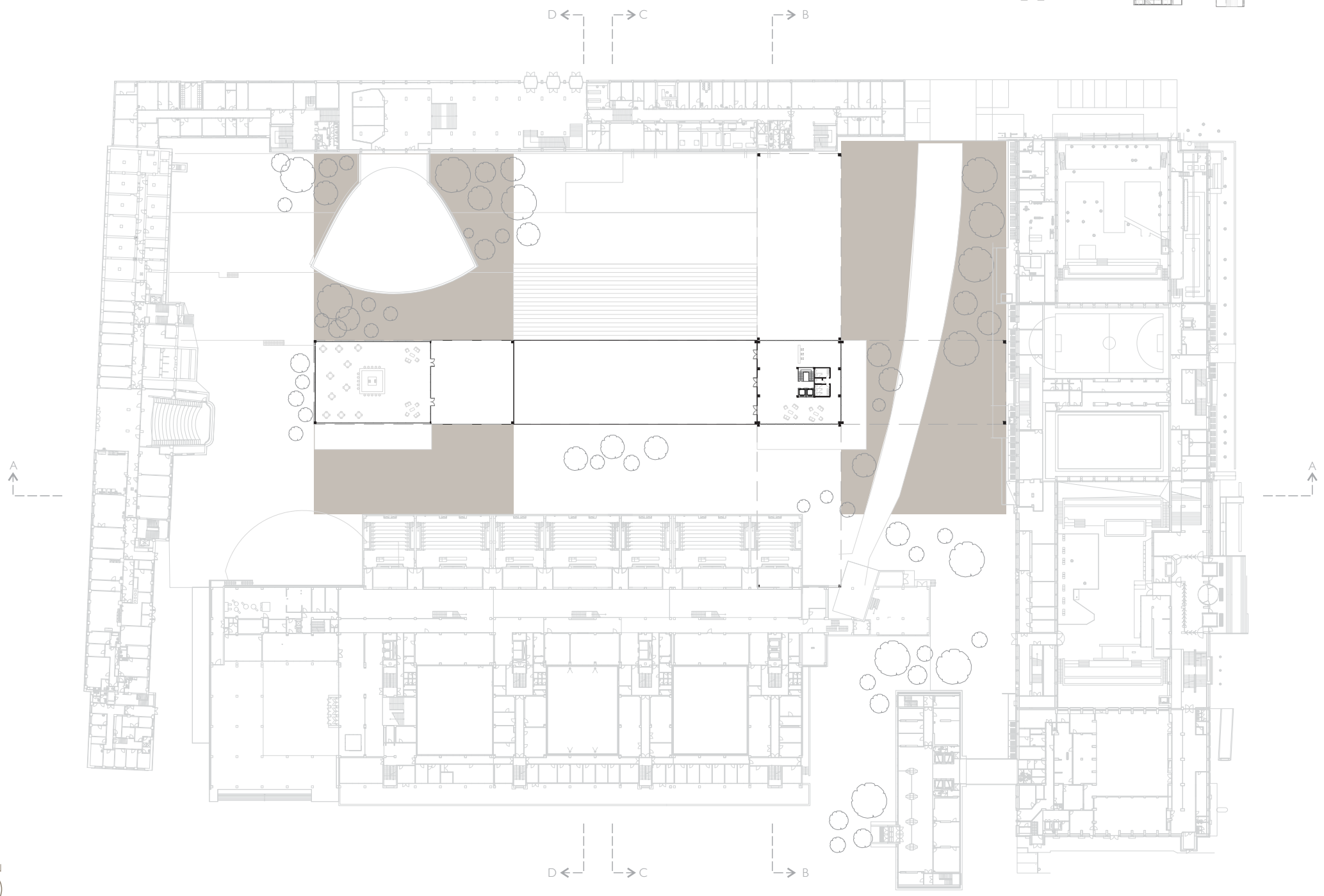
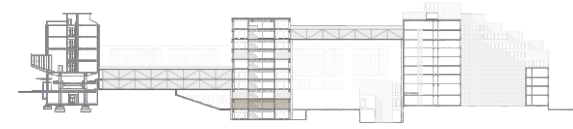
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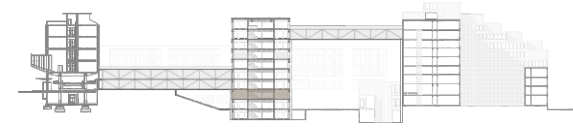
D ← → C      → B



LOW LEVEL PLAN - ENTRANCE AREA - CATERING



FLOOR I PLAN - INNOVATIVE CENTER

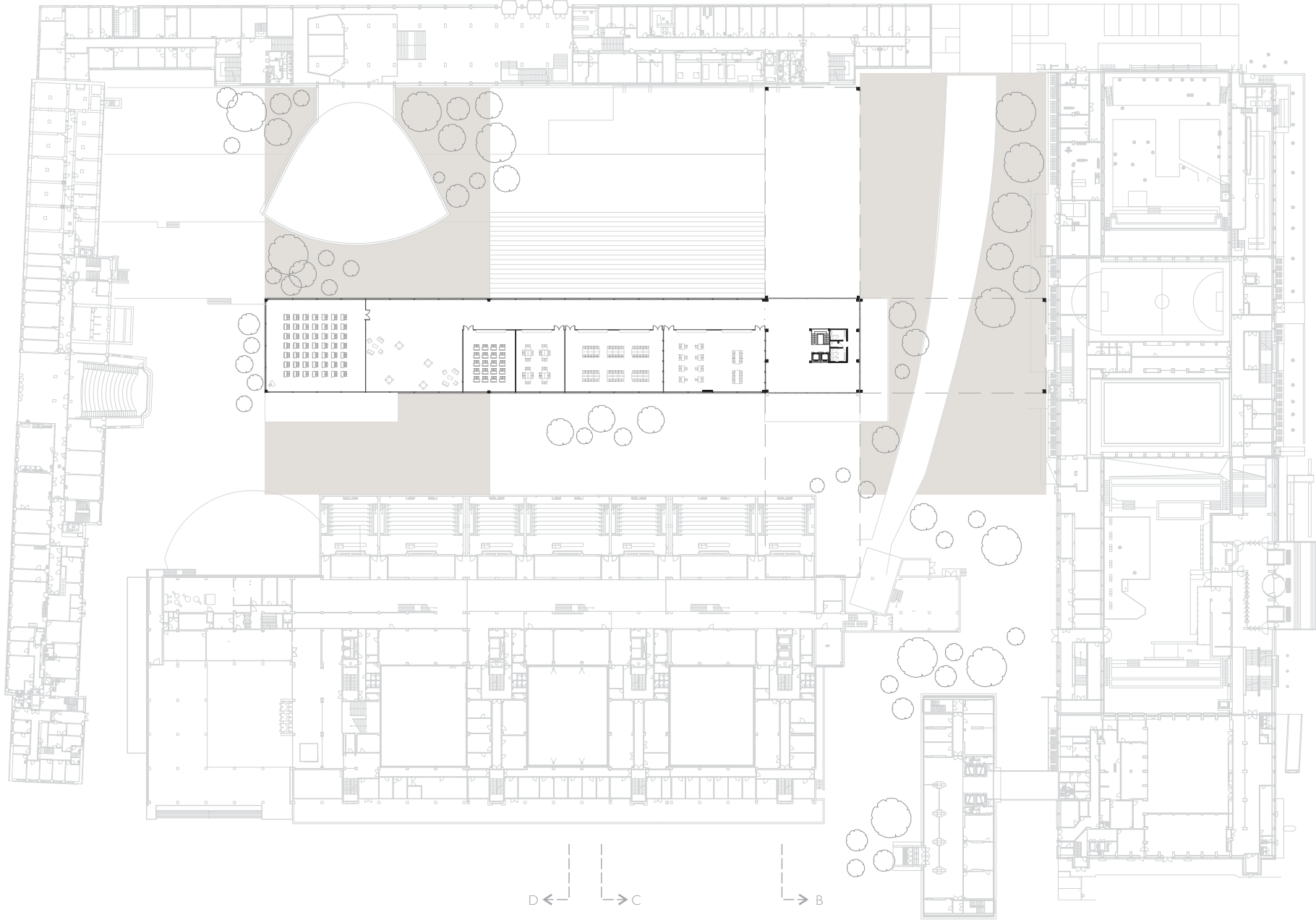


A ↑

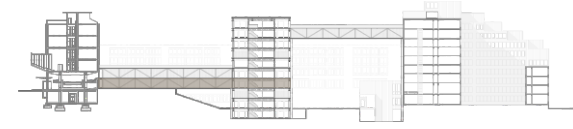
A ↑

D ←    → C    → B

D ←    → C    → B



FLOOR 2 PLAN - LABORATORY



A ↑

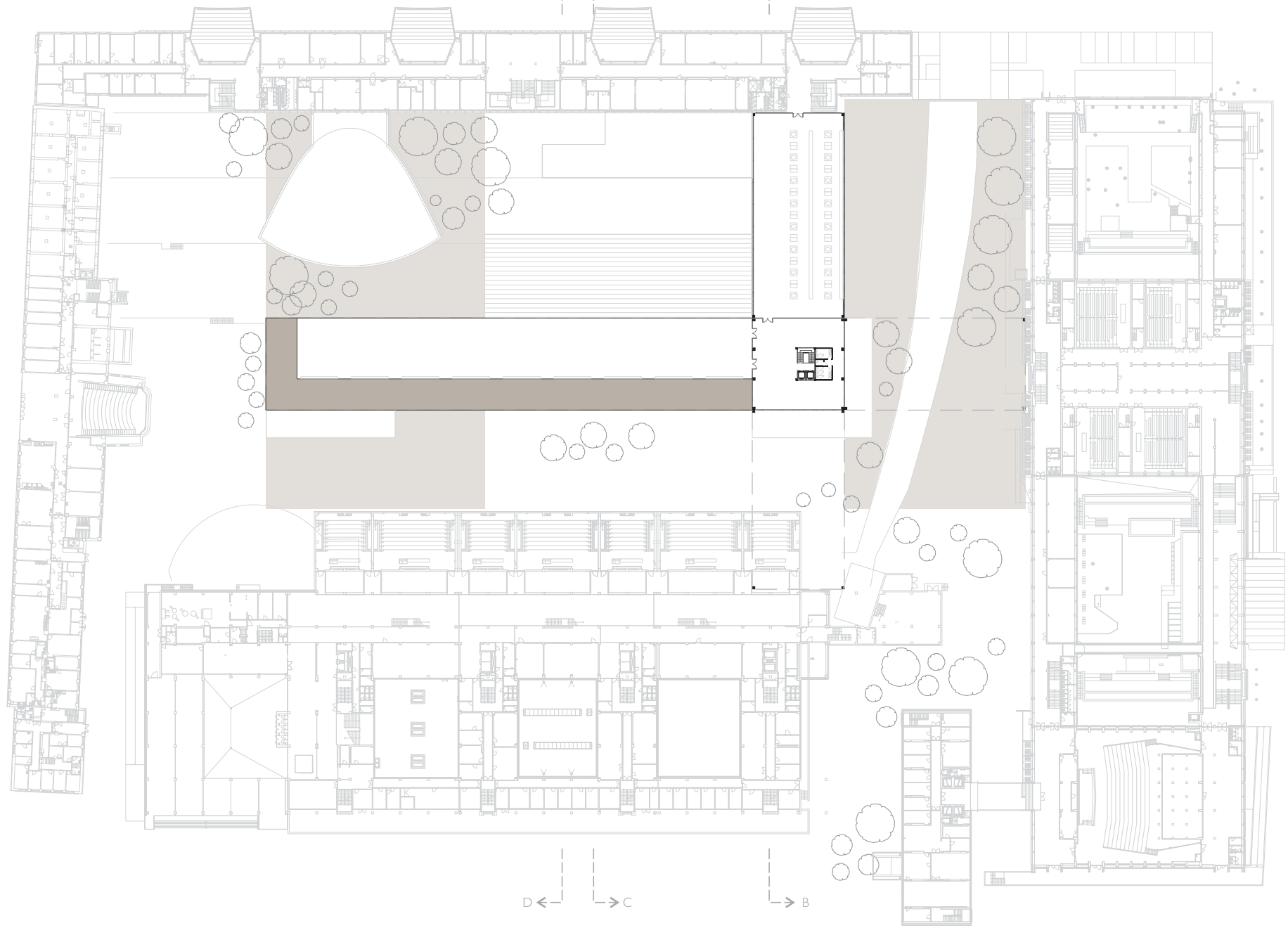
A ↑

D ← → C

→ B

D ← → C

→ B







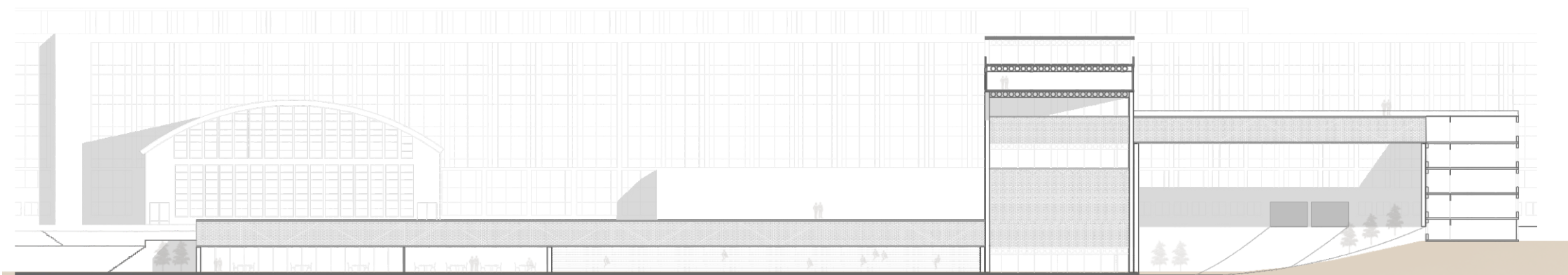
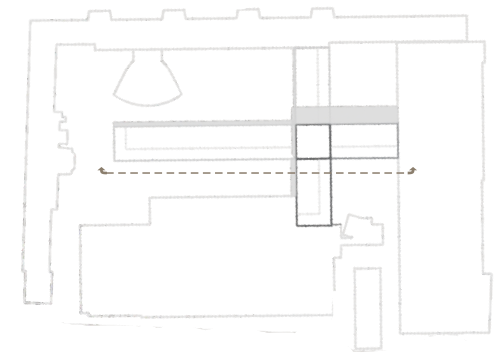




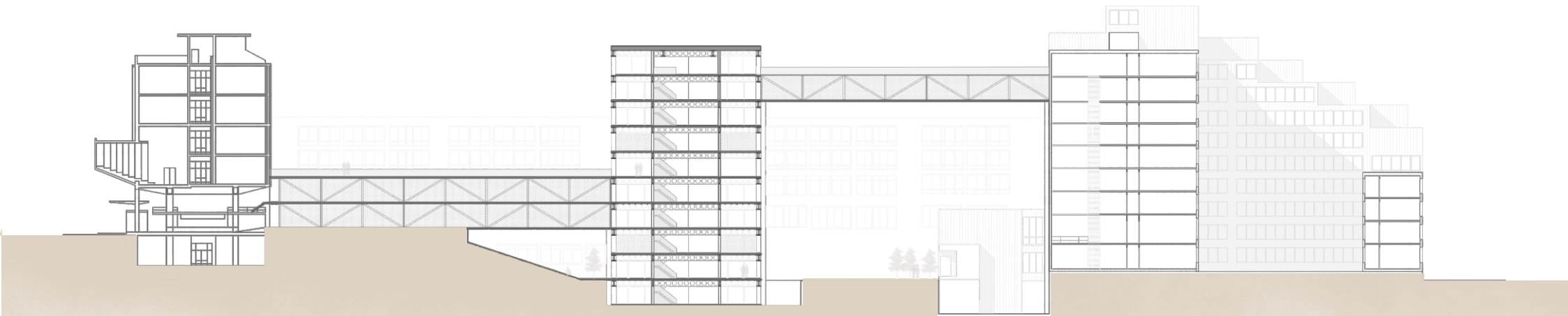
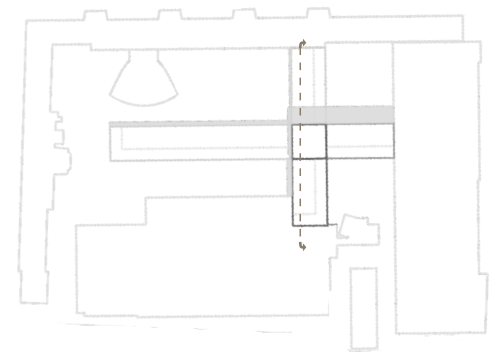




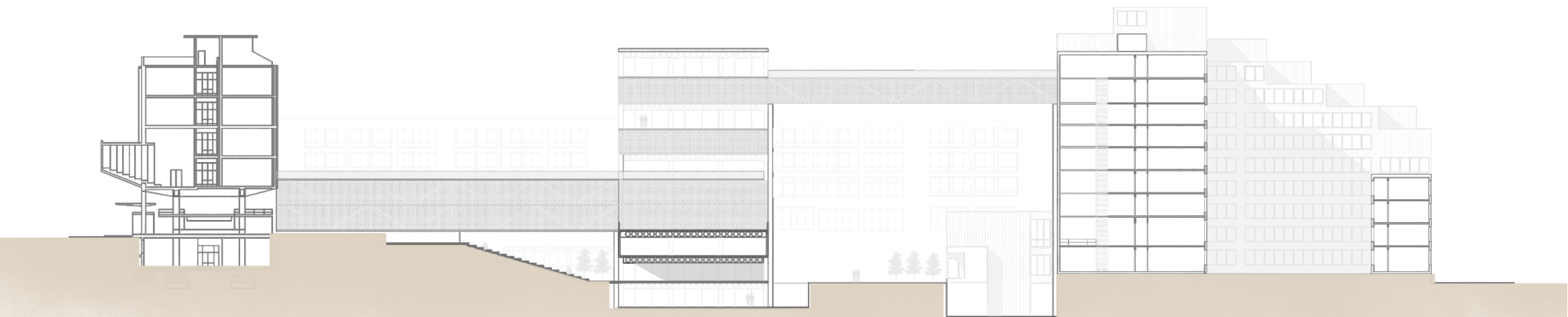
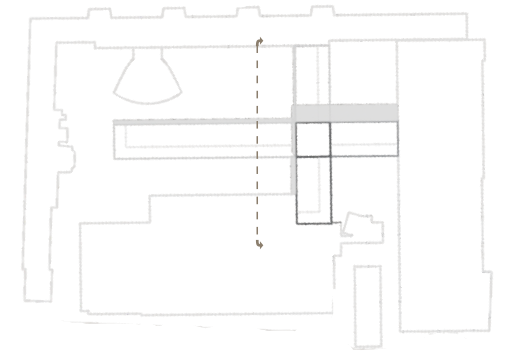
SECTIONAL ELEVATION A -A



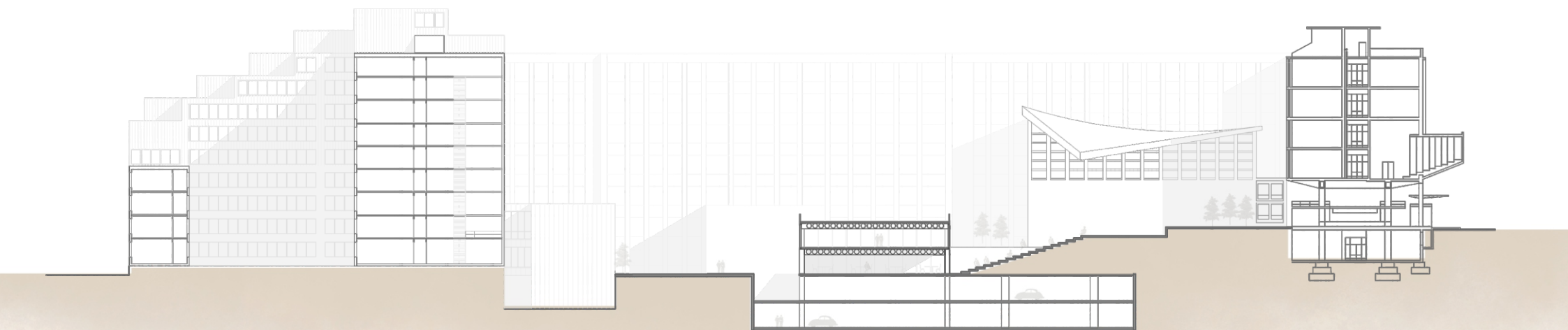
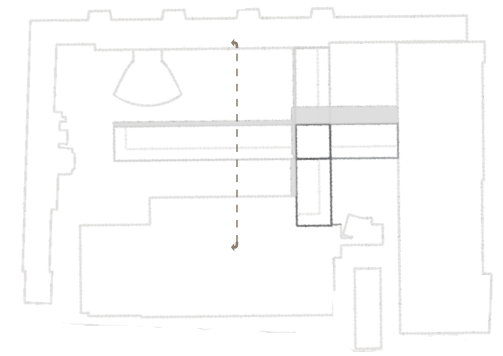
SECTIONAL ELEVATION B -B



SECTIONAL ELEVATION C-C

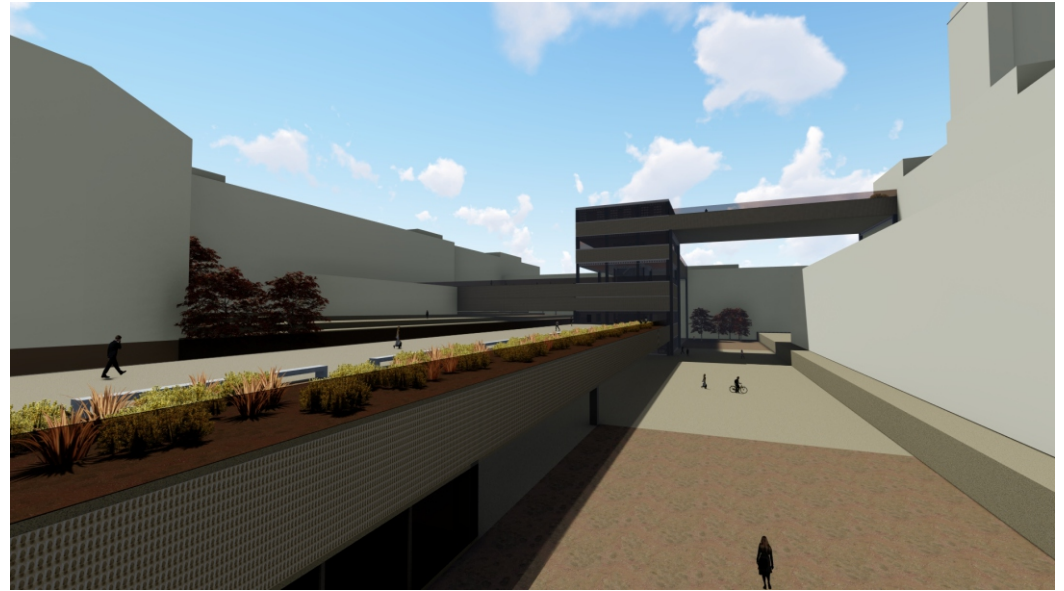
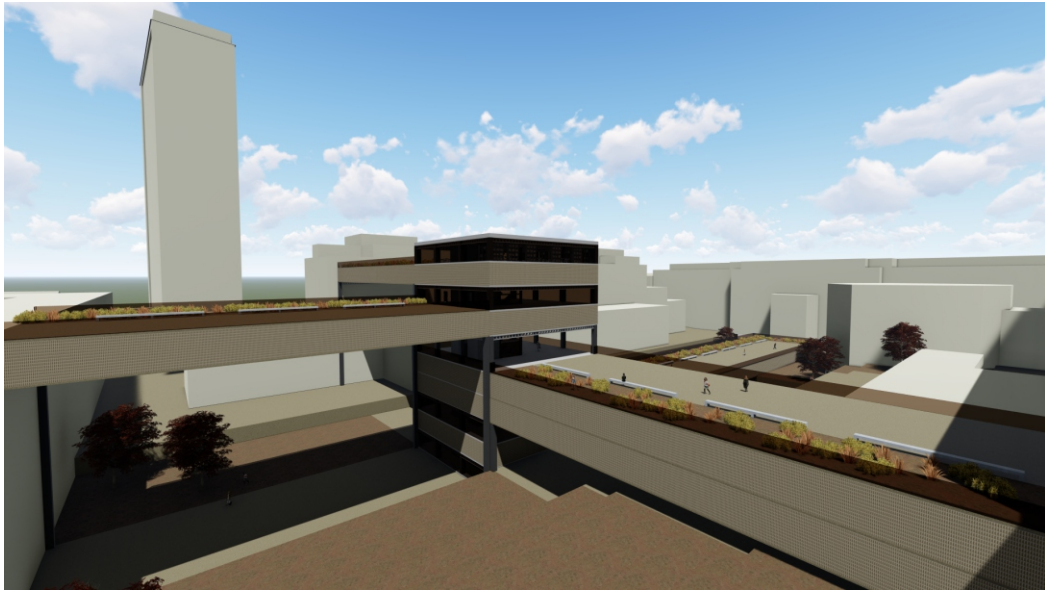
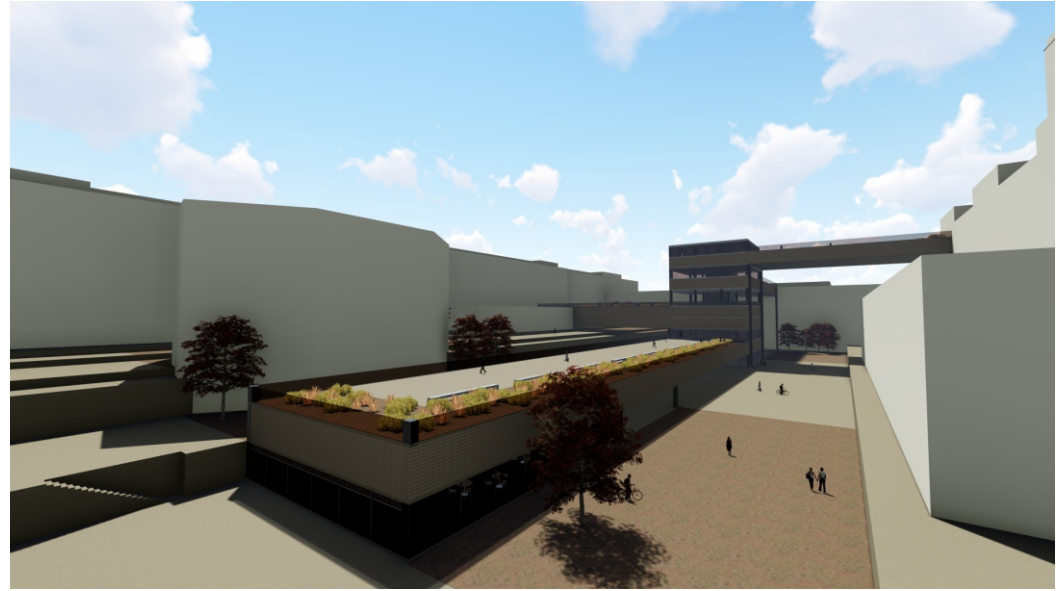
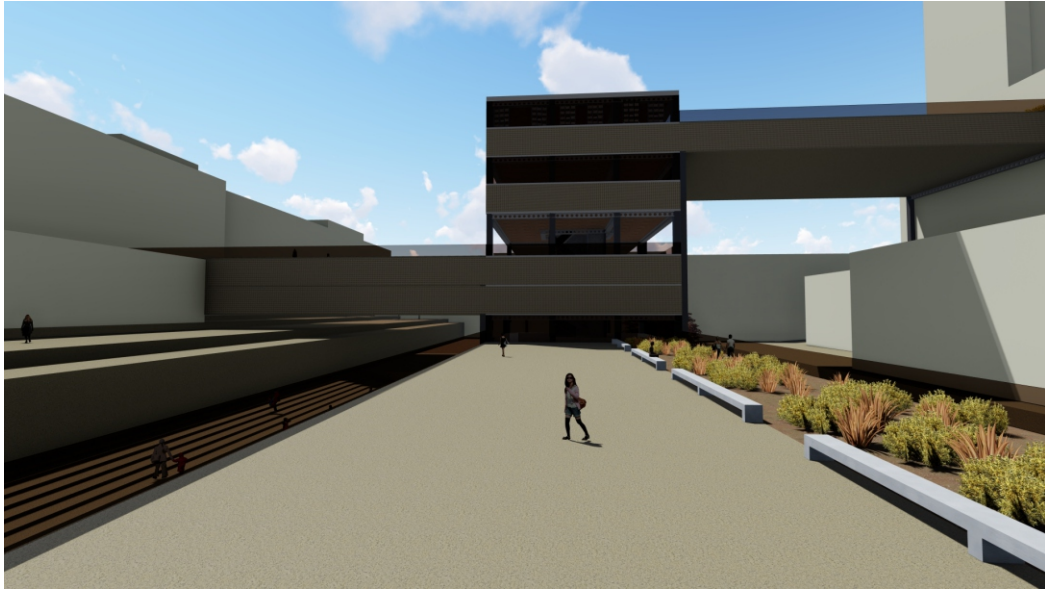


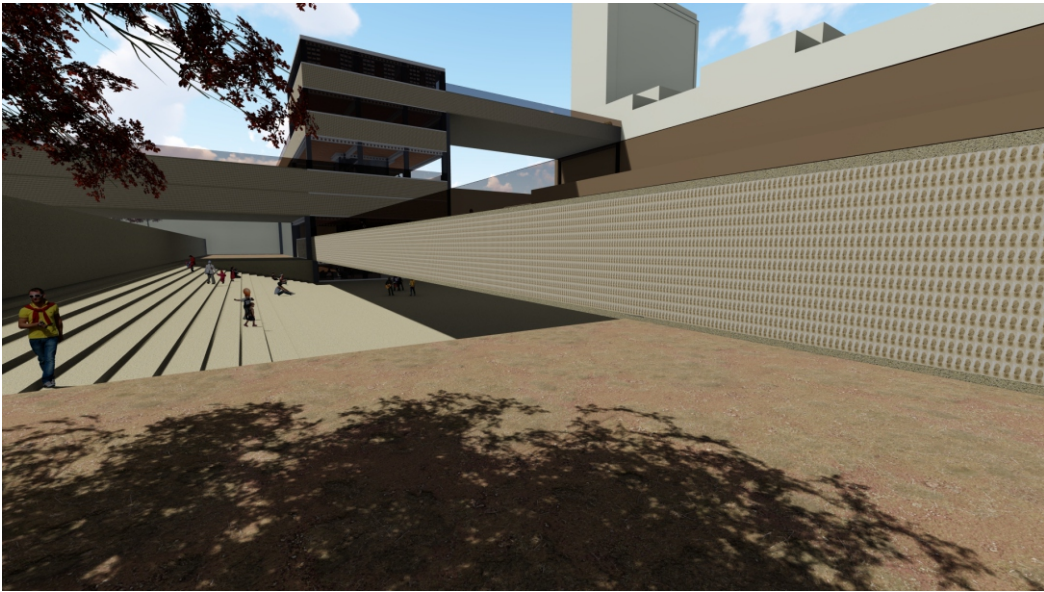
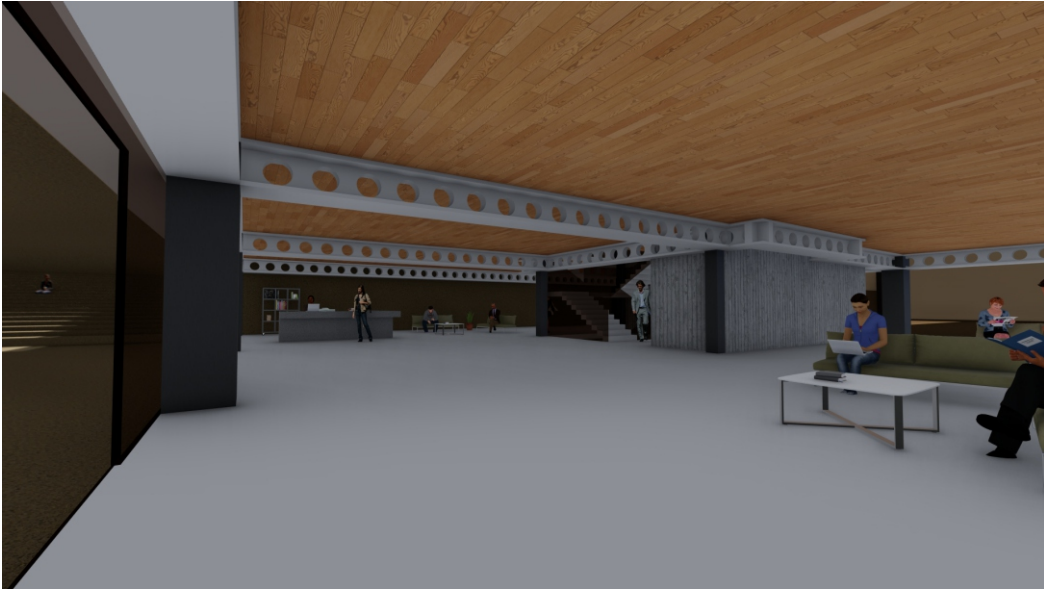
SECTIONAL ELEVATION D-D

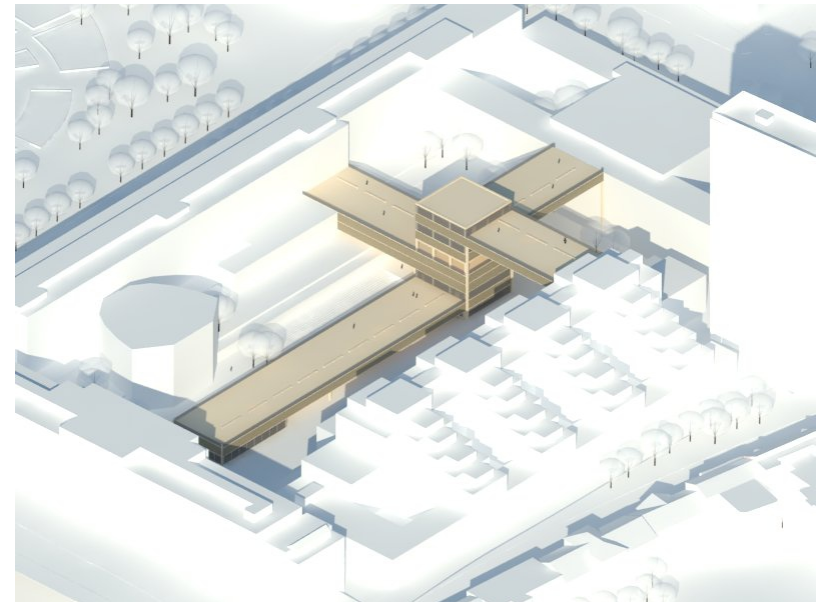
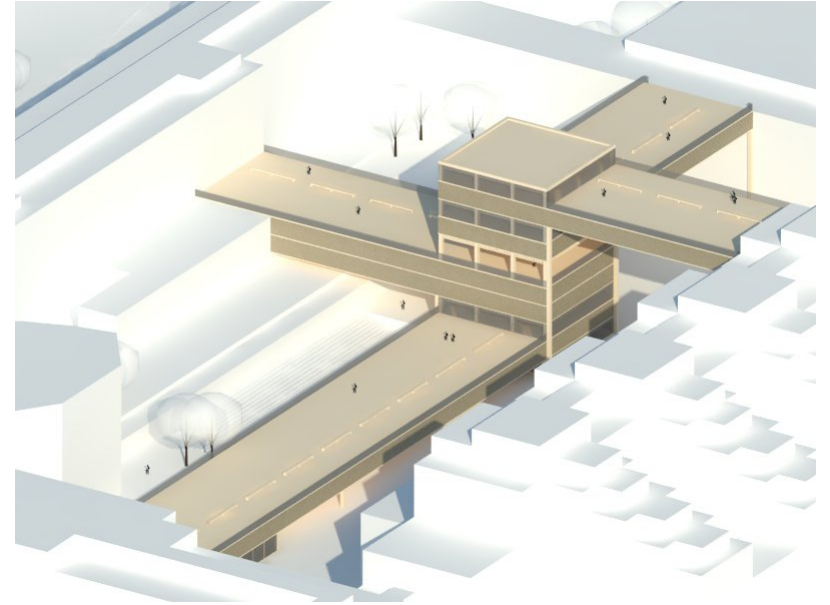
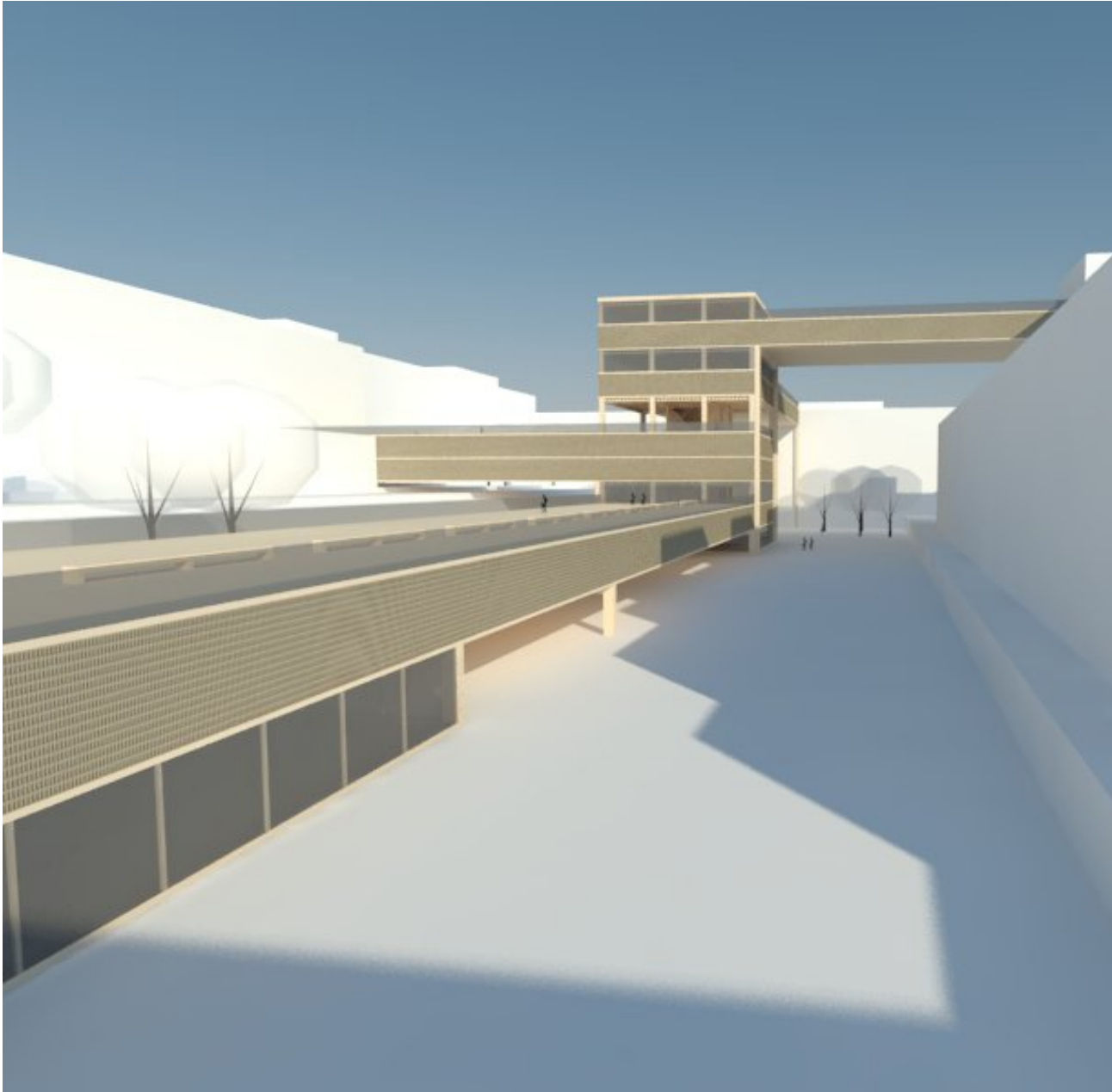


RENDERS









MUCHAS GRACIAS