



P3 HOSPITAL AS CULTURAL CENTRE
THE ARCHITECTURE AND PUBLIC SPACES OF THE
NEW CENTRE HOSPITALIER DE L'UNIVERSITÉ DE
MONTREAL

EUROPEAN HEALTHCARE DESIGN CONFERENCE BY
ROYAL COLLEGE OF PHYSICIANS LONDON
JUNE 27, 2016



KEVIN STICHT
AZAD CHICHMANIAN

CANNONDESIGN NEUF



ARCHITECT(E)S



CHUM

MERGING OF
3 HOSPITALS

10,000+
EMPLOYEES

44
EXAMINATION
ROOMS



CHUM

77
PATIENT

3
5,000

STUDENTS
AND INTERNS

39 OPERATING
ROOMS

2
325,000 M²
(PVM + 40
STOREYS!
)





OUR APPROACH

[CHUM COLLECTIF



Our approach

- [1] CENTER OUR CONCEPT AROUND THE PATIENT
- [2] RESOLVE THE QUESTION OF SCALE
- [3] ENABLE THE MERGER OF THREE HOSPITALS
- [4] RESPECTING MONTREAL'S URBAN CONTEXT
- [5] ESTABLISH A MASTERPLAN FOR OUR FUTURE



Resolve the question of scale

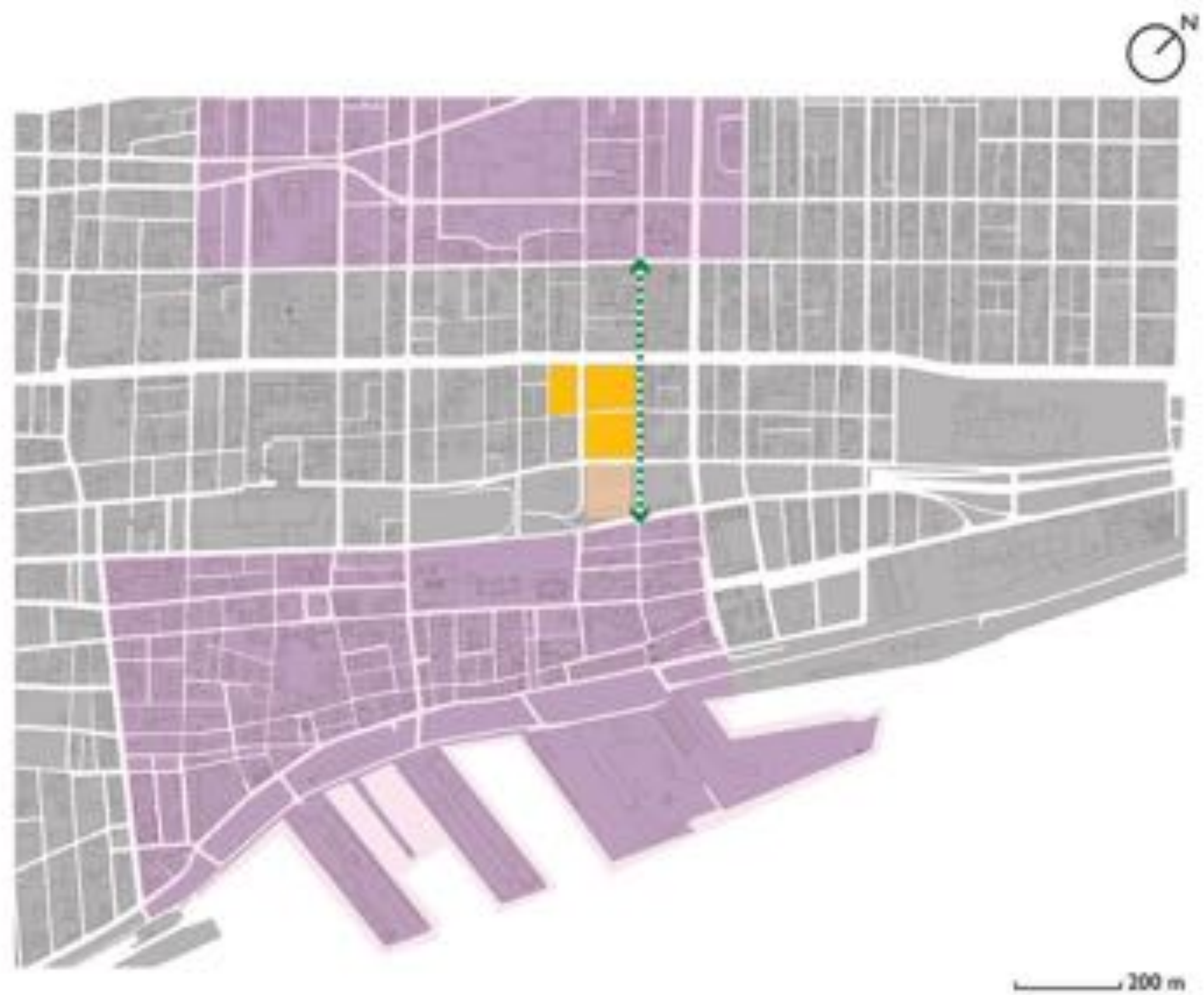


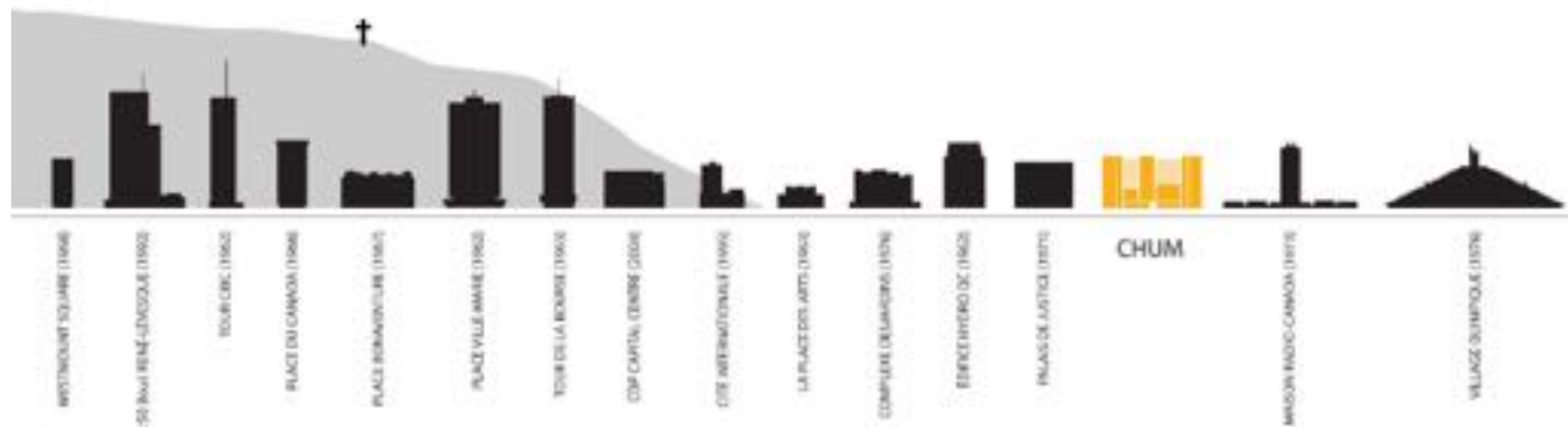
- Express the public spaces in the architecture
- Integrate high quality interior spaces
- Use its massing to project the identity of the CHUM

Respecting Montreal's urban context



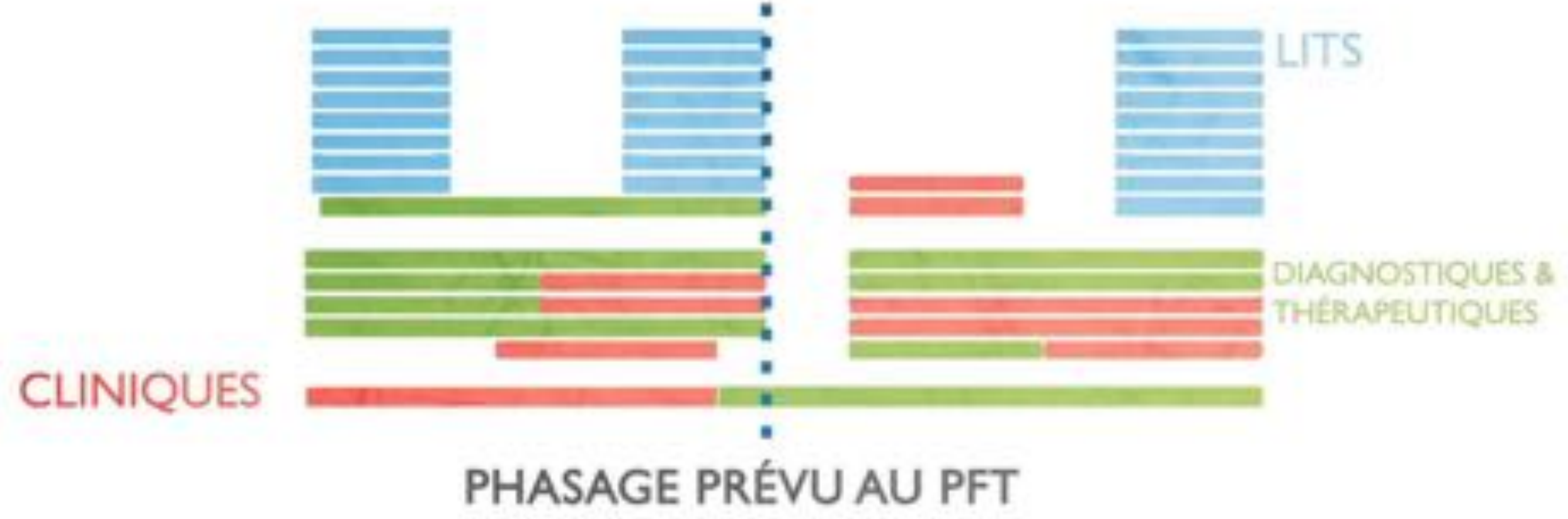
- The CHUM as driving force for development
- The CHUM as unifying urban node
- Preserve the memory of the site



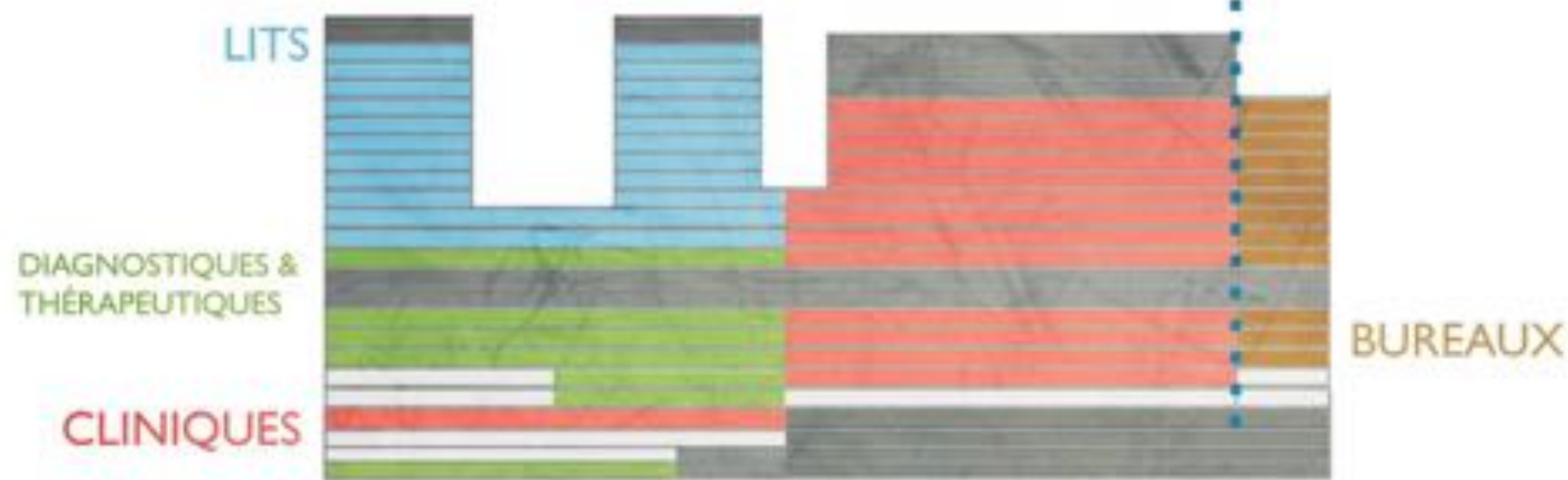


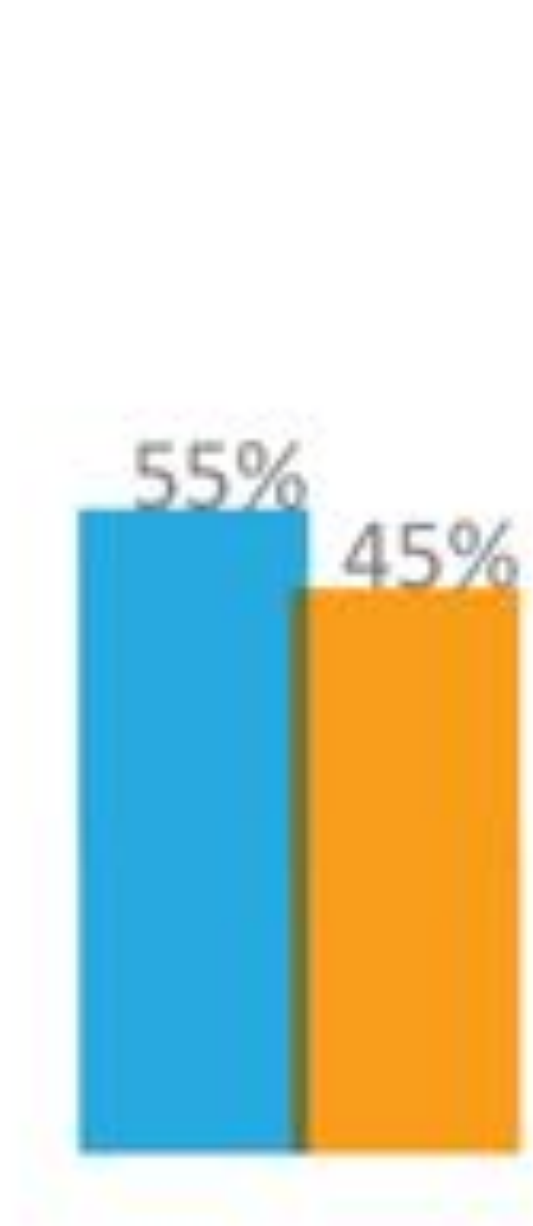


% COMPLET
PHASE 1 | PHASE 2
55 | 45



% COMPLET
PHASE 1 | PHASE 2
85 : 15





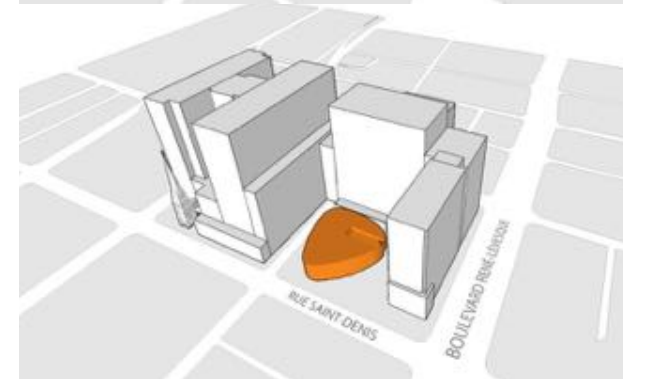
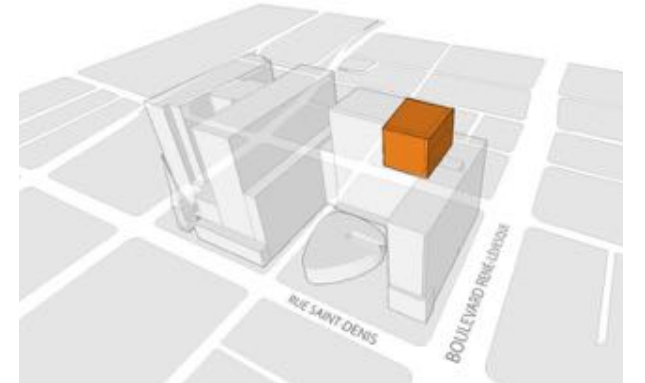
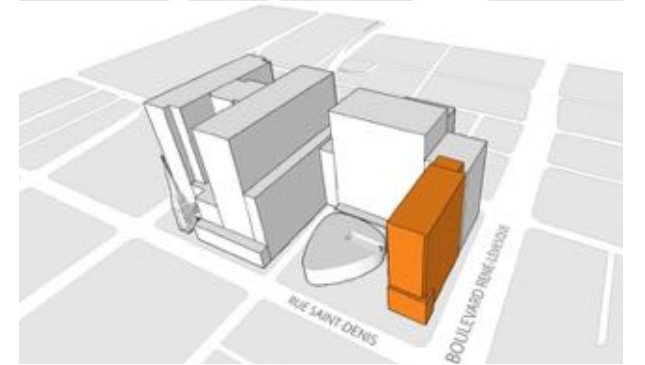
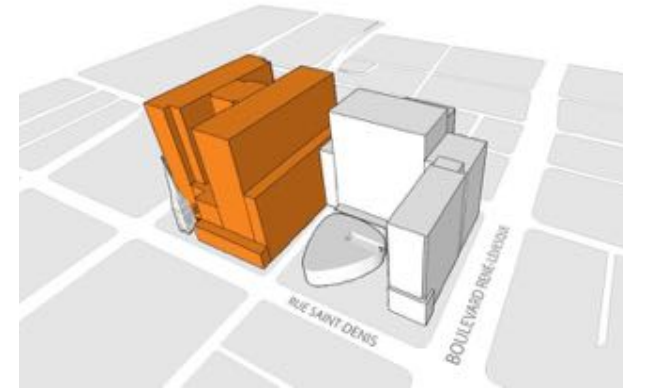
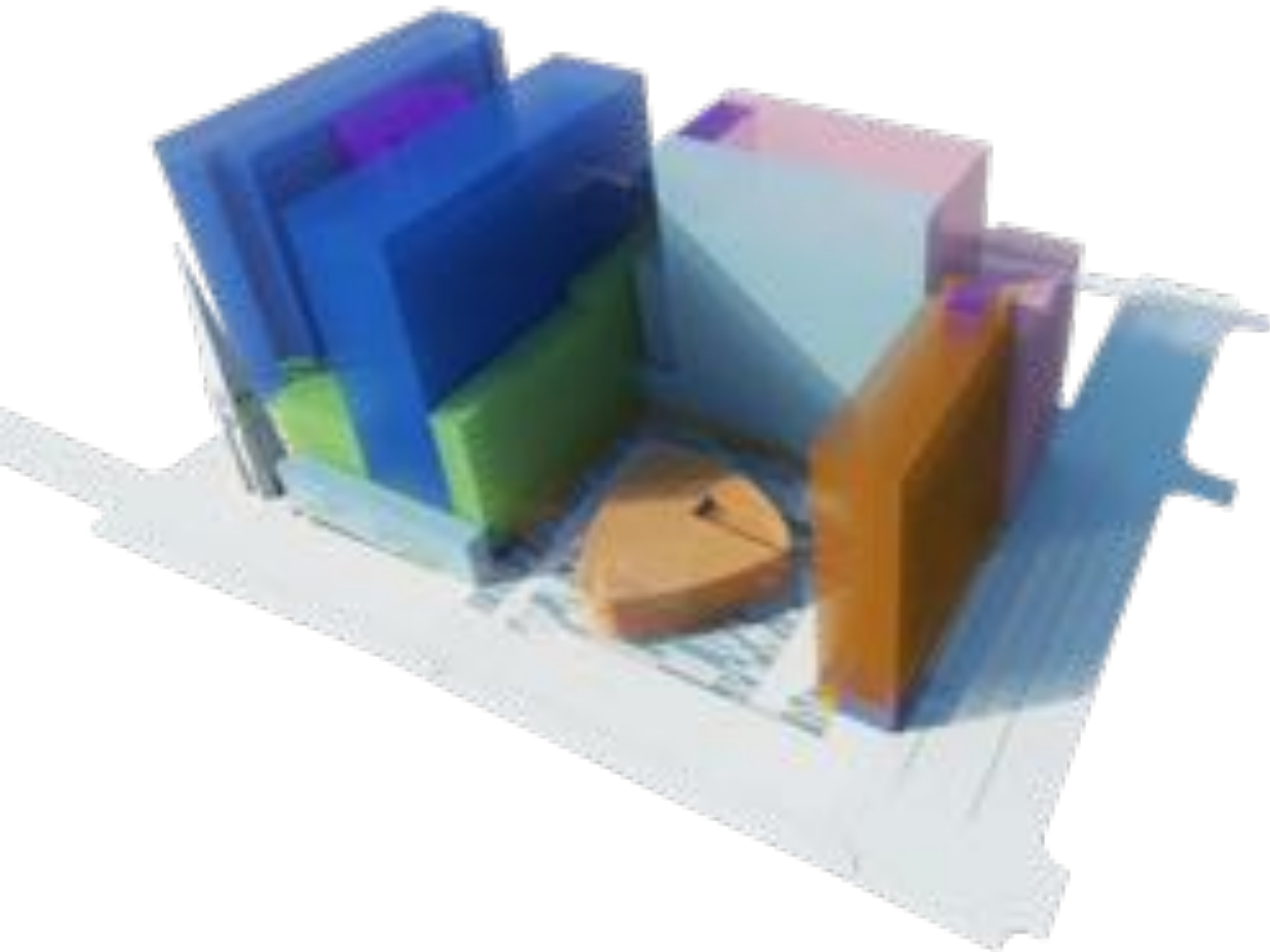
[Initial concept]

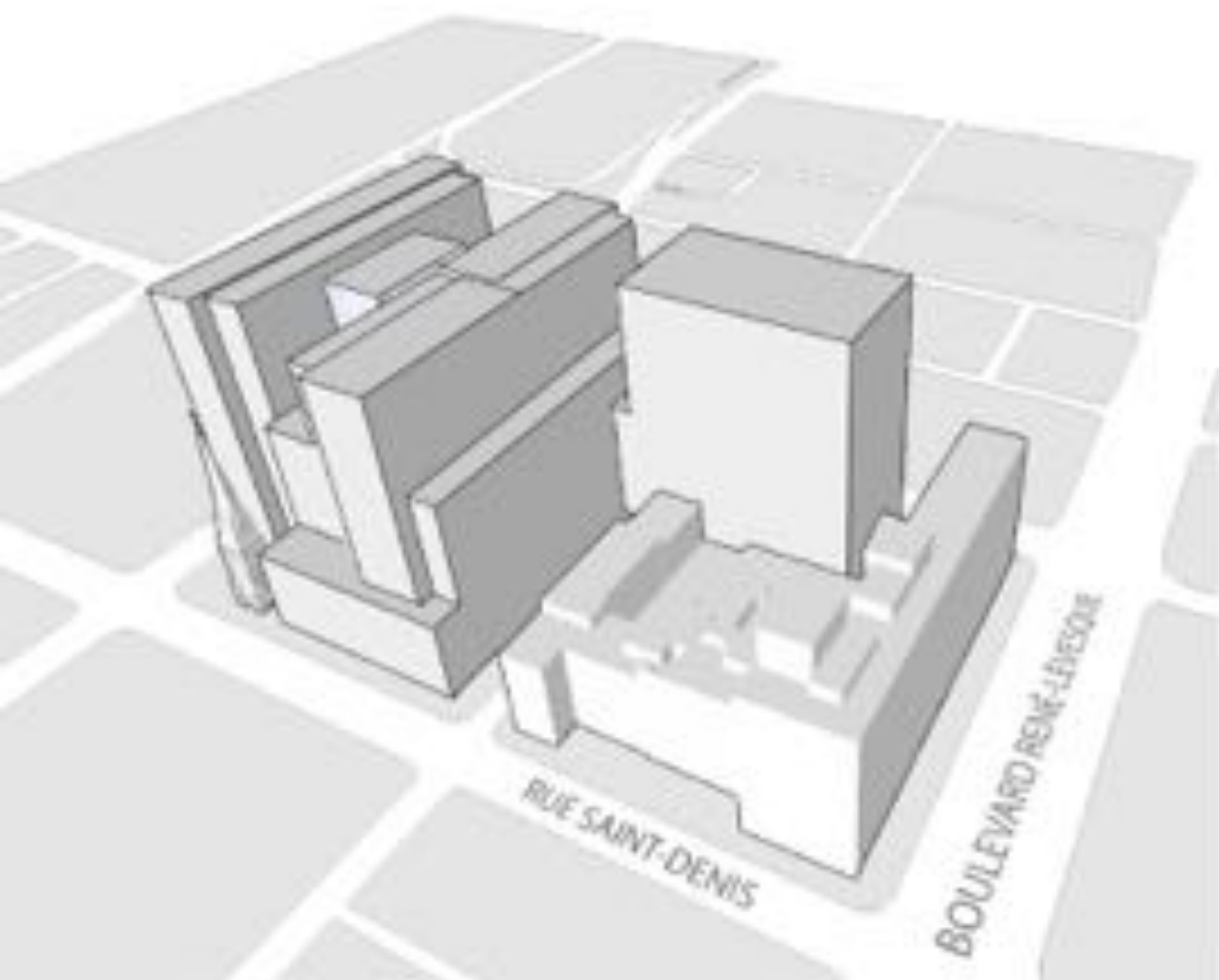


[Option II]

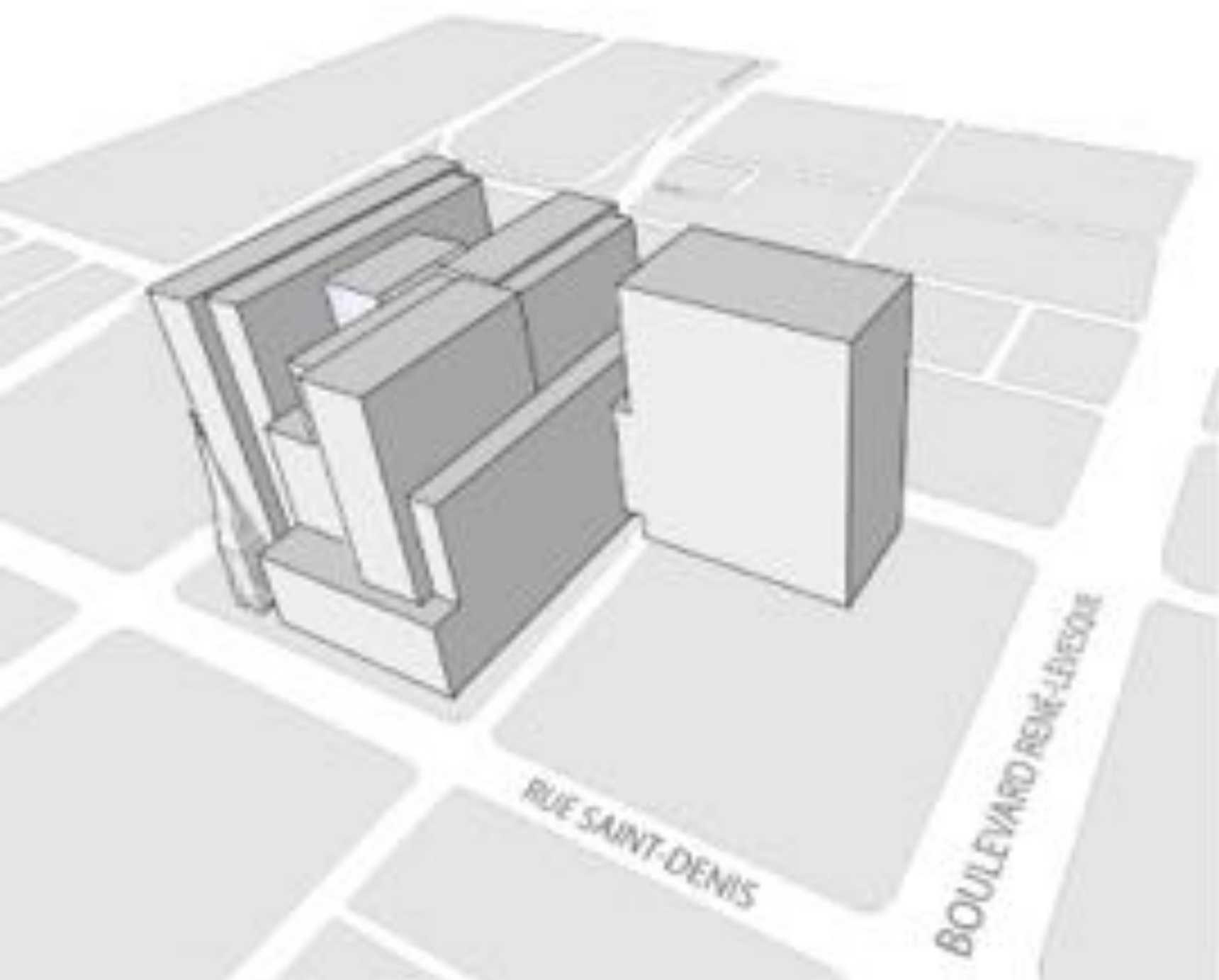
A fully operational hospital in a single phase

- All patient rooms
- All clinical departments
- All diagnostic services
- All operating rooms
- All the medical imaging

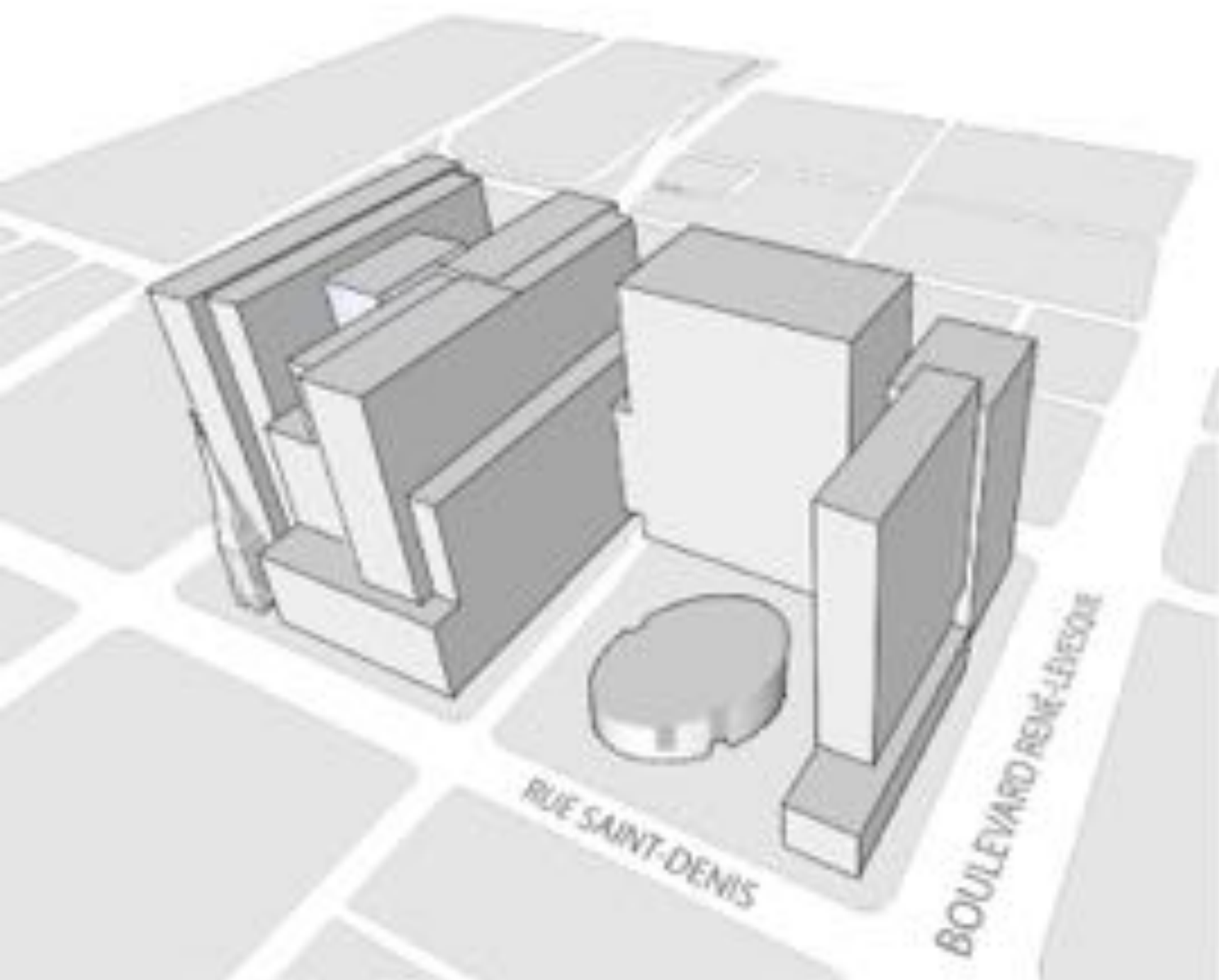




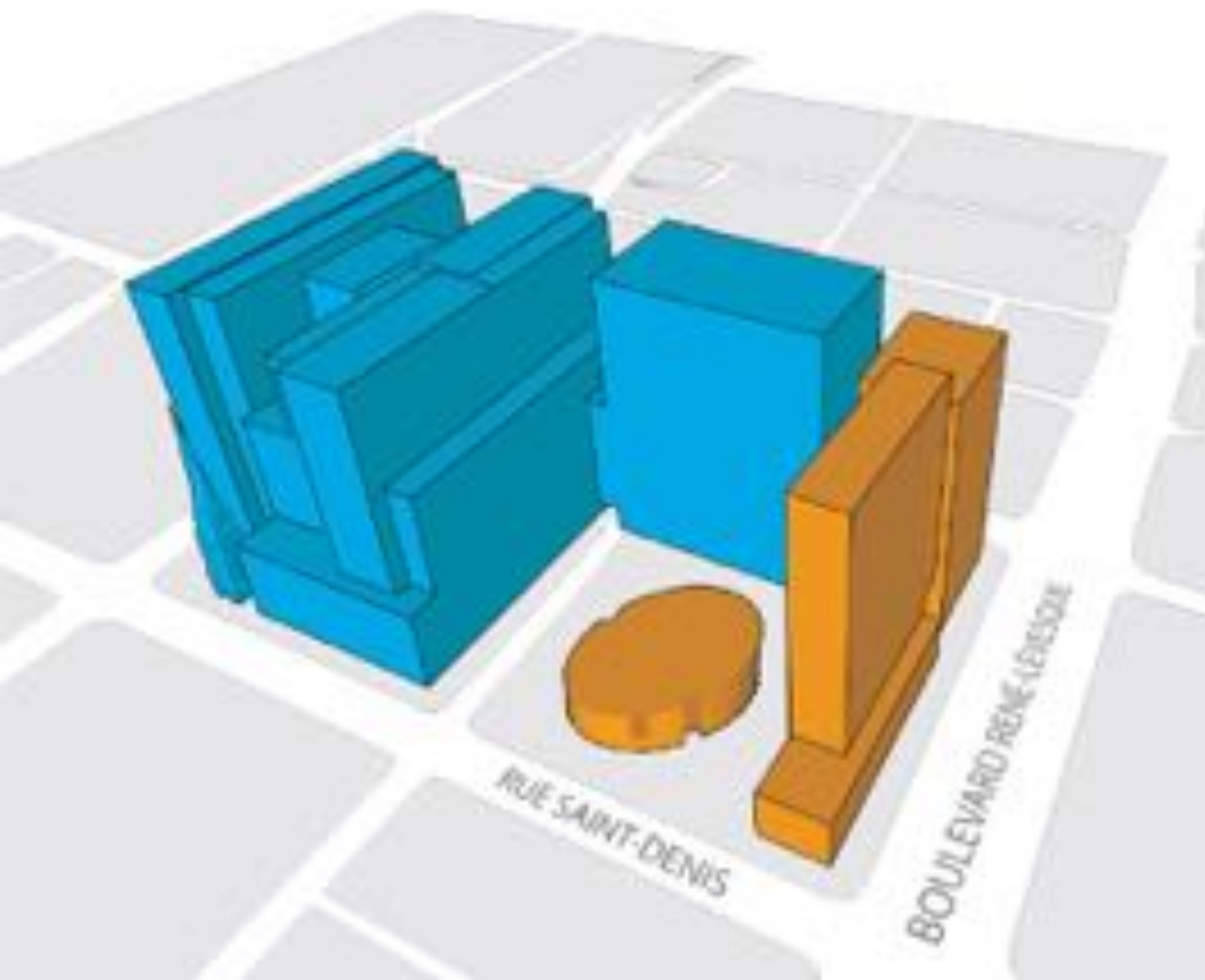
**Phase I
avec Saint-Luc**



Démolition de Saint-Luc

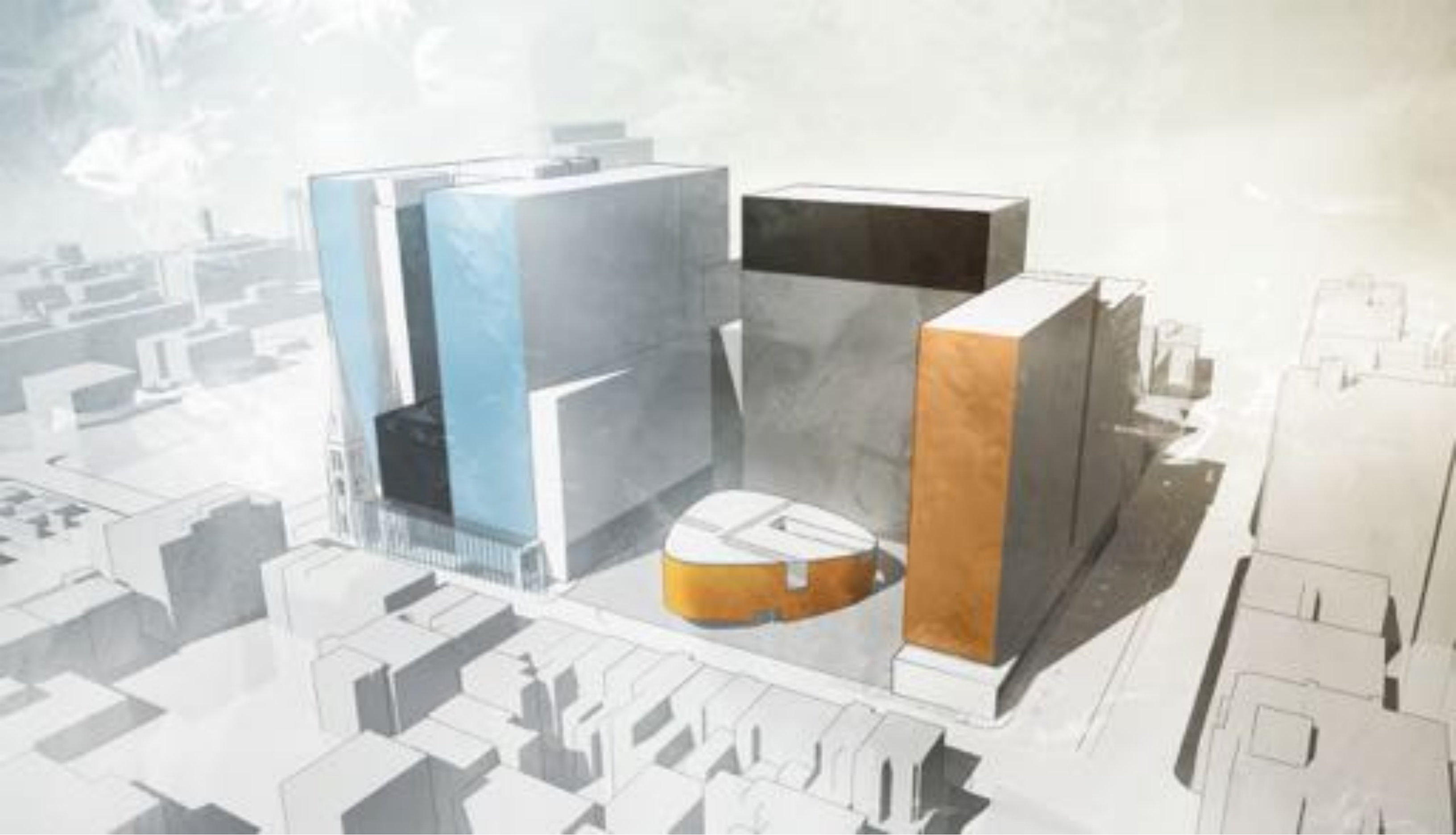


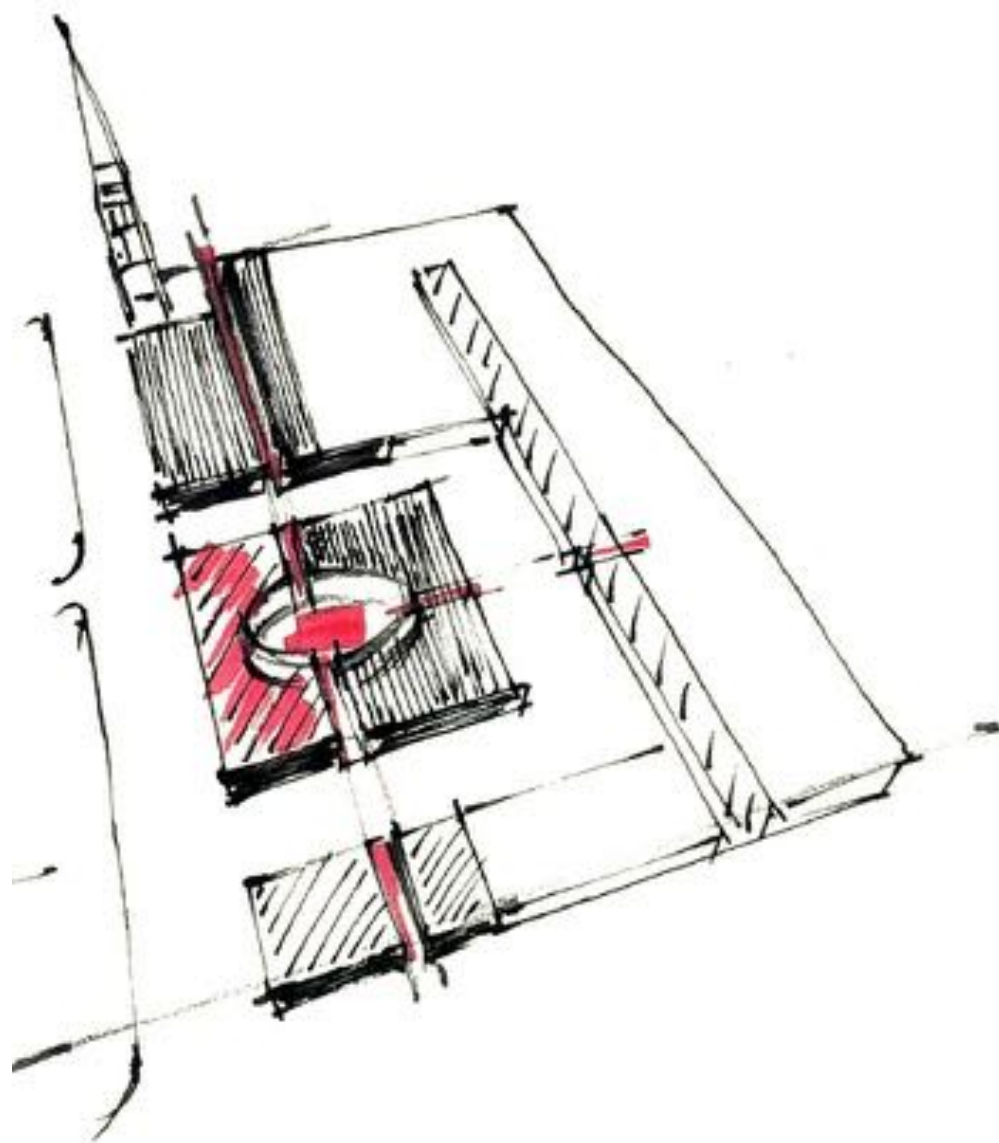
Phase 2



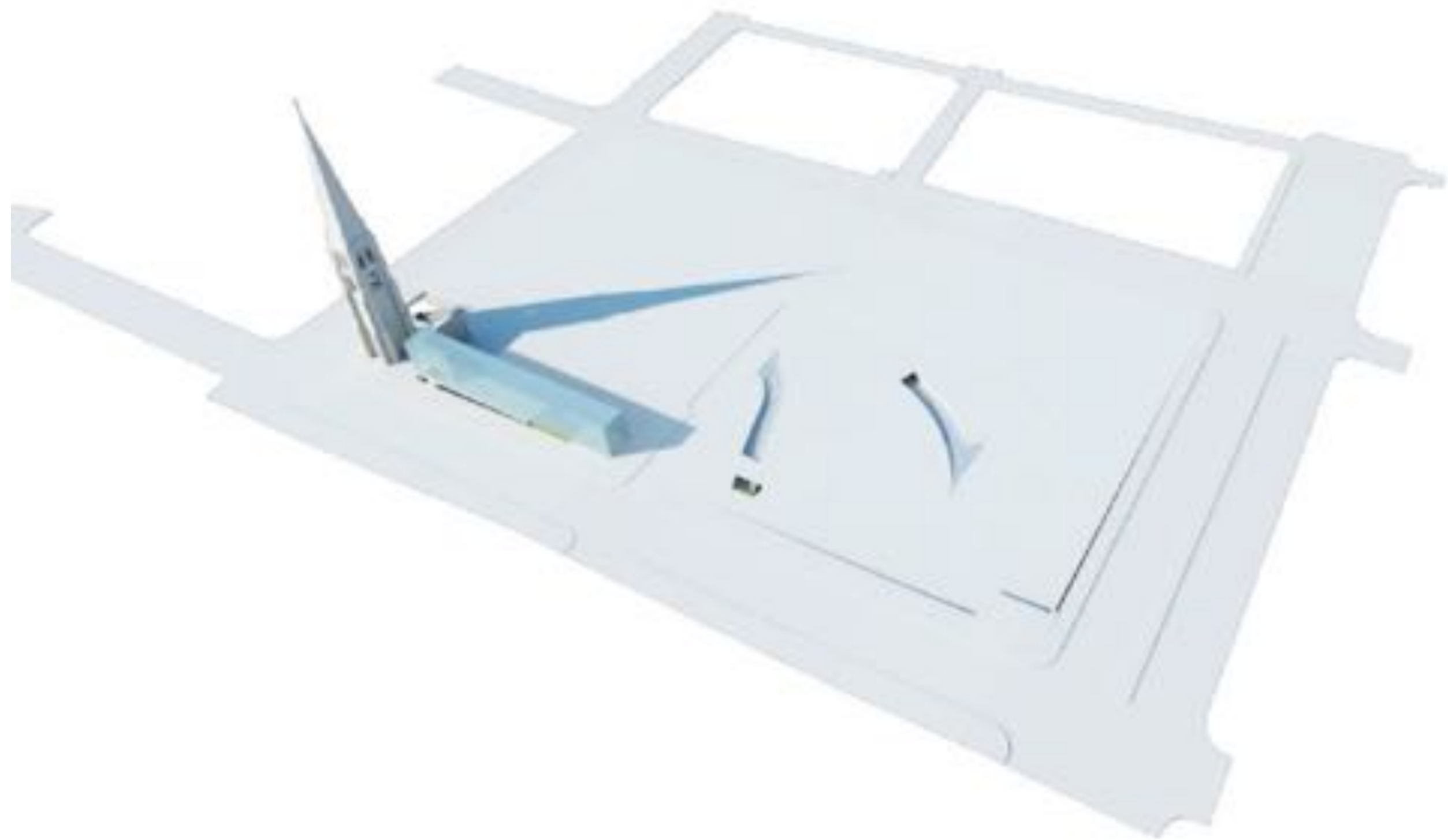
Built in two accelerated phases

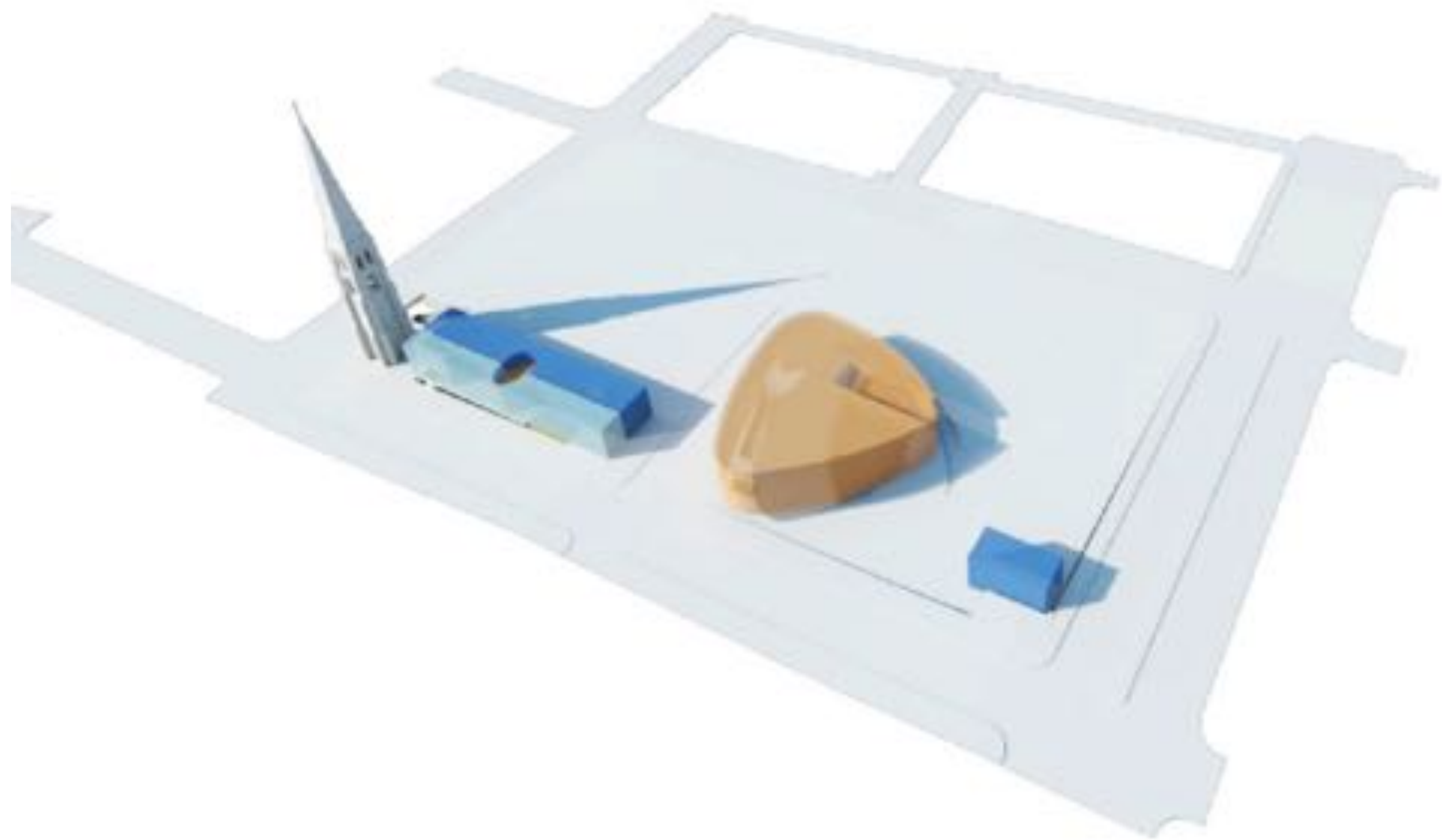
- 1 Diagnostic services, clinics, ambulatory clinics and patient rooms
- 2 Clinics, ambulatory clinics, offices and public spaces

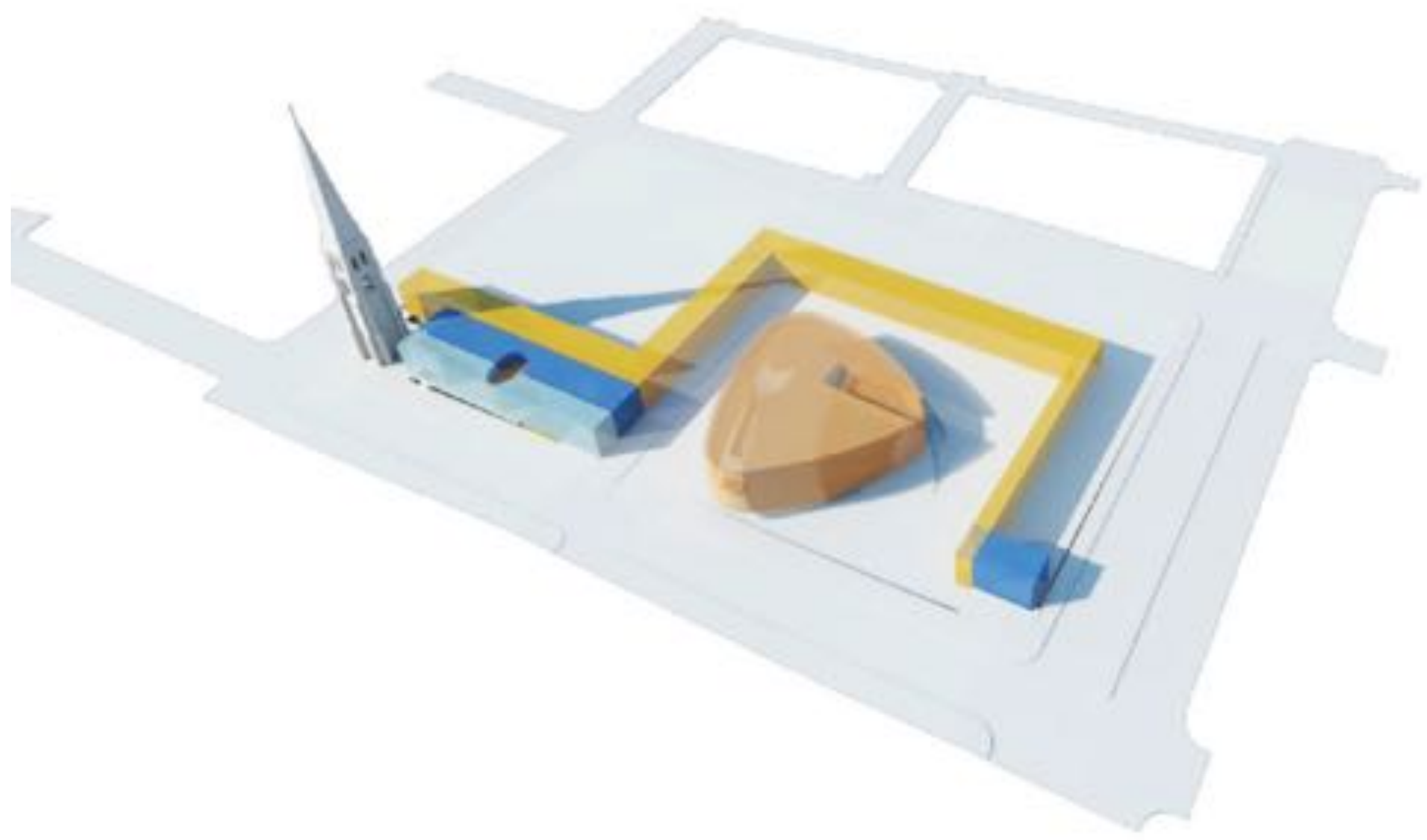


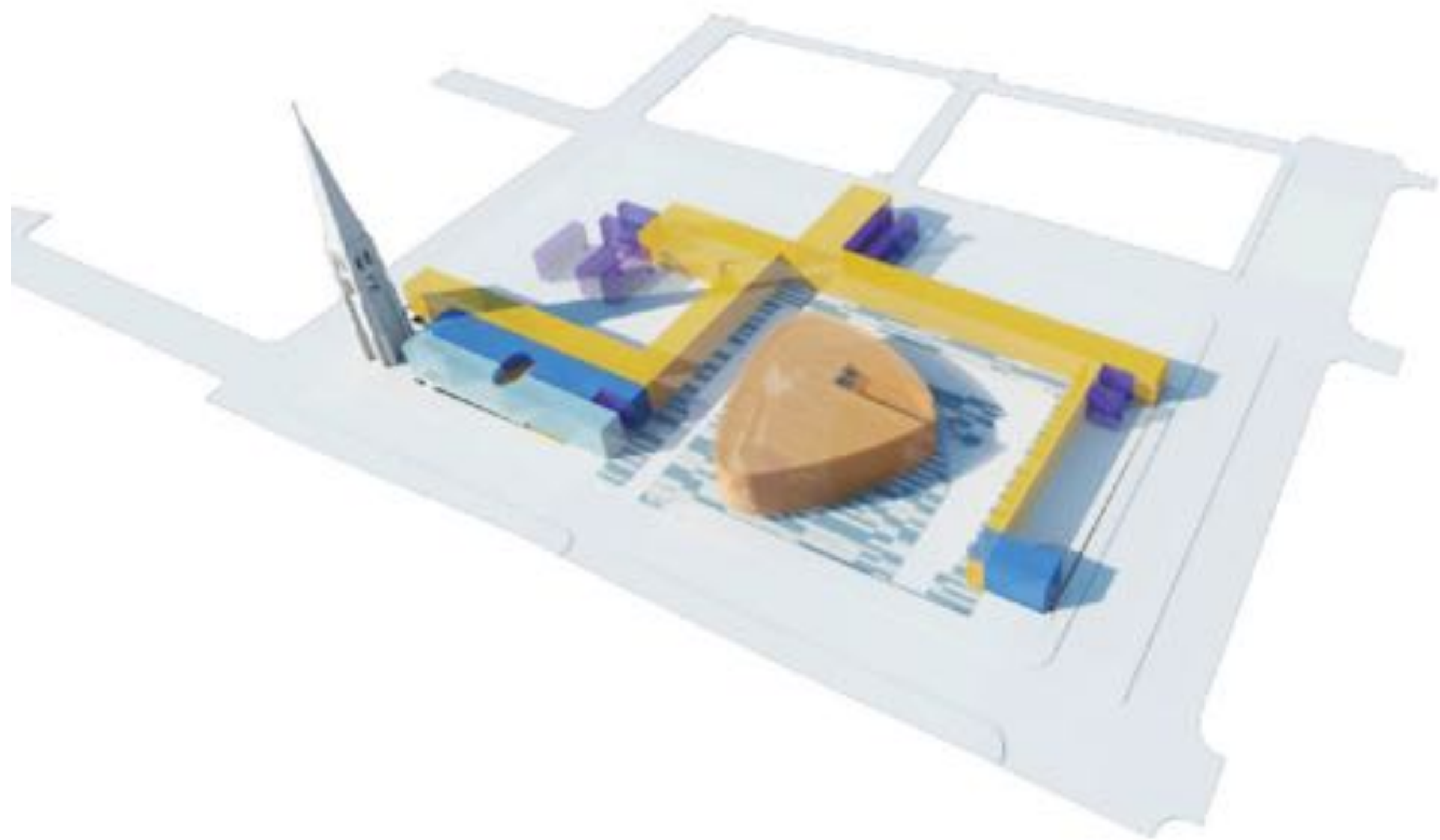


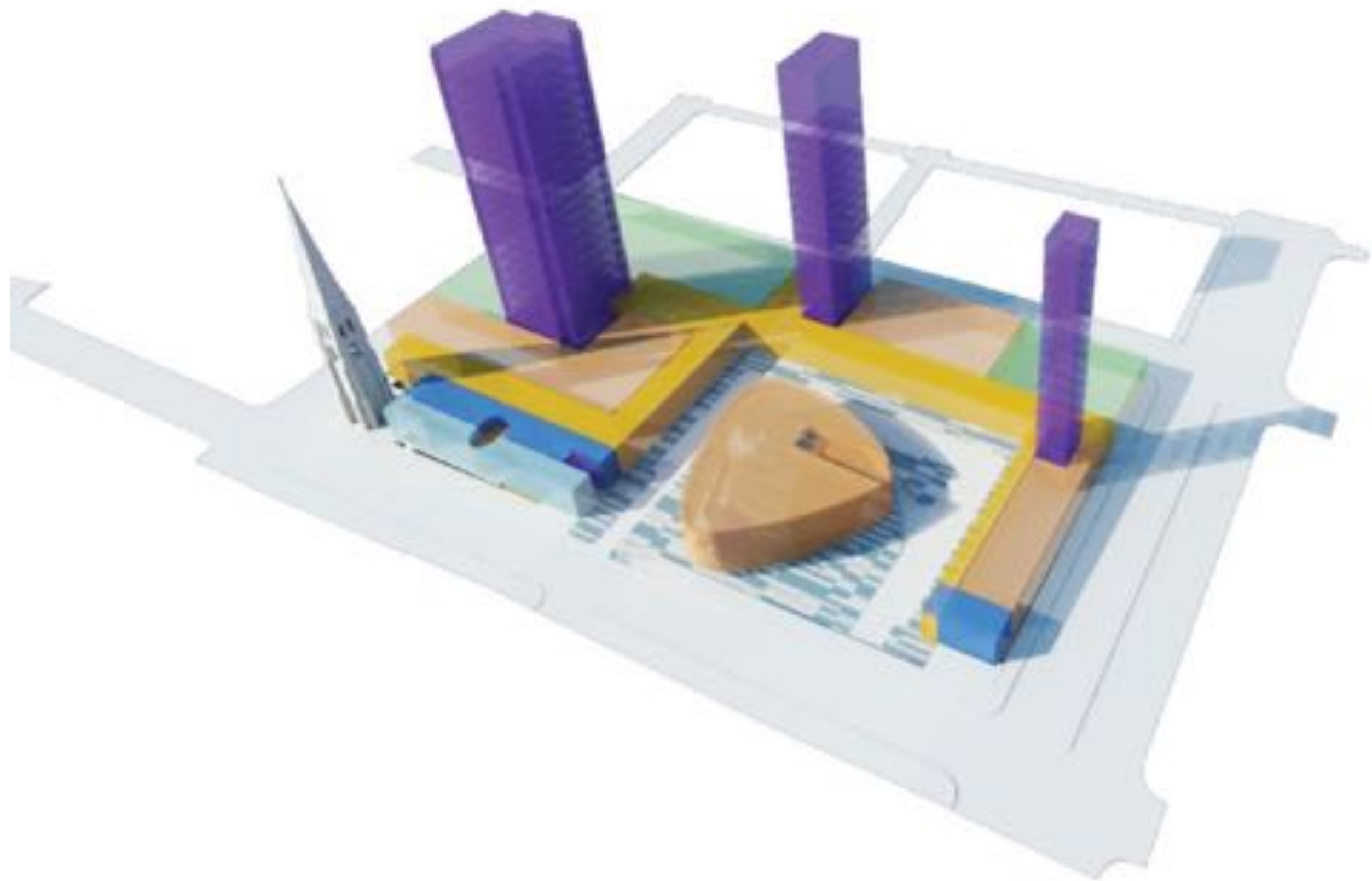
“CARREFOUR DES SCIENCES”

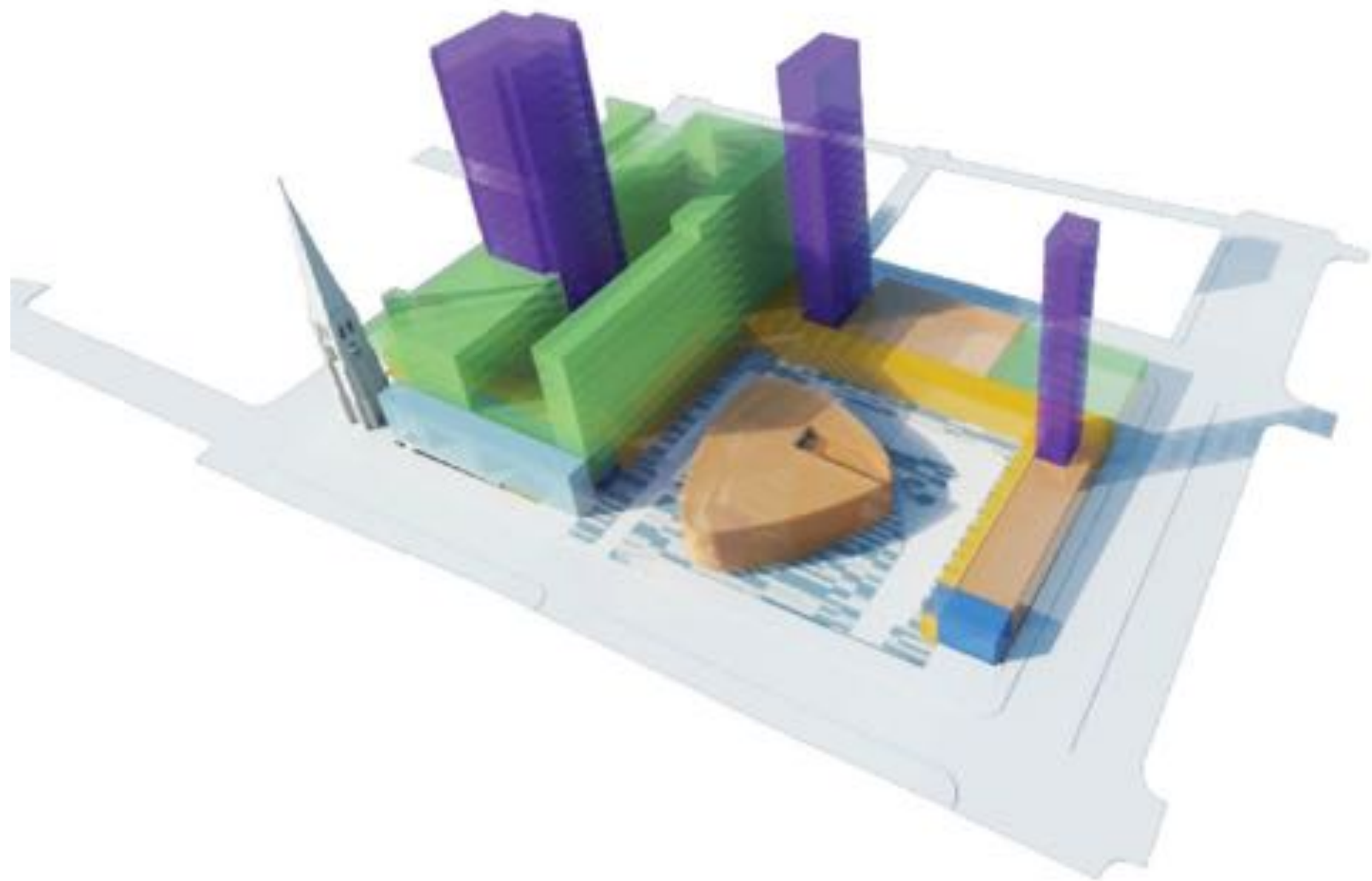


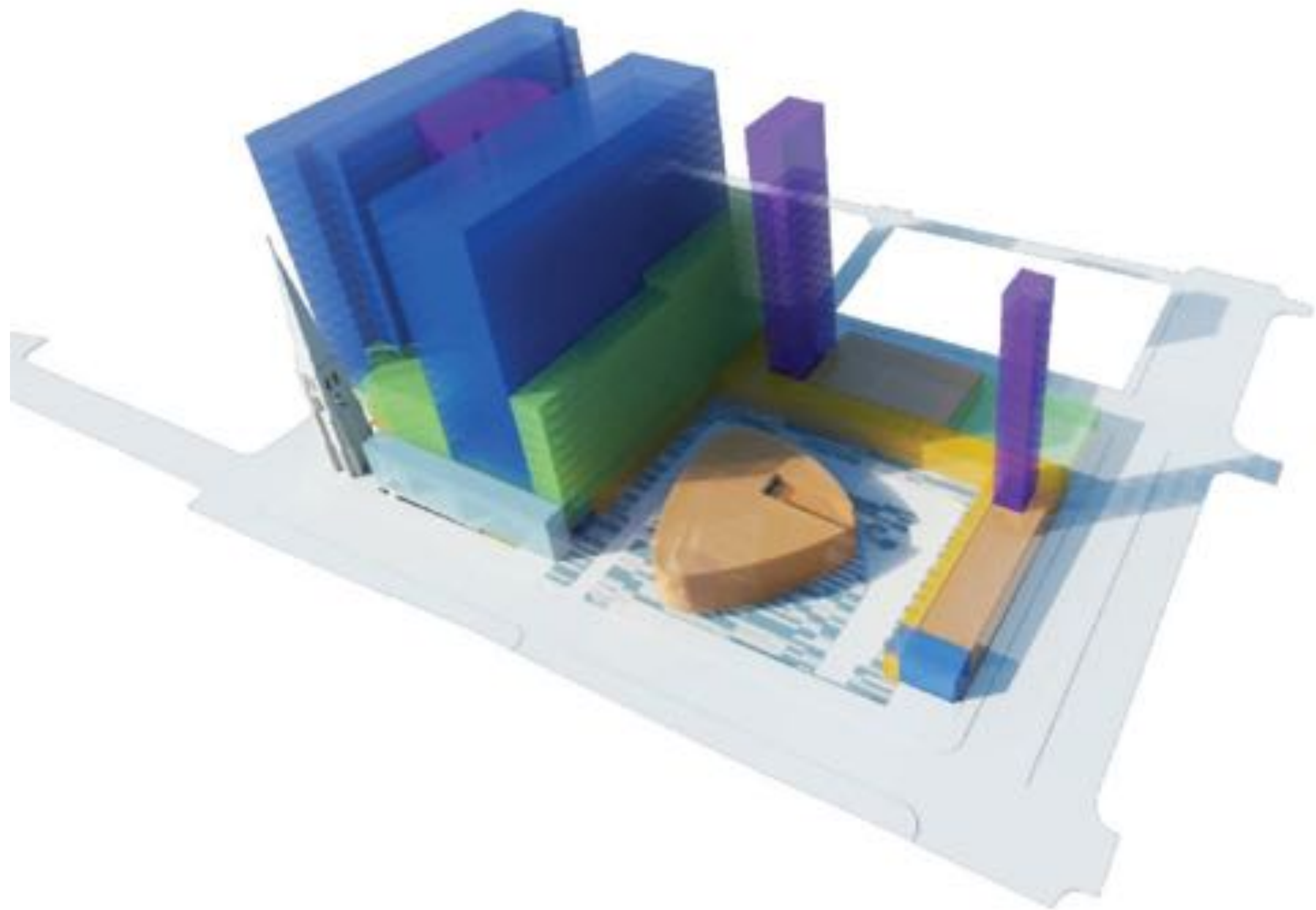


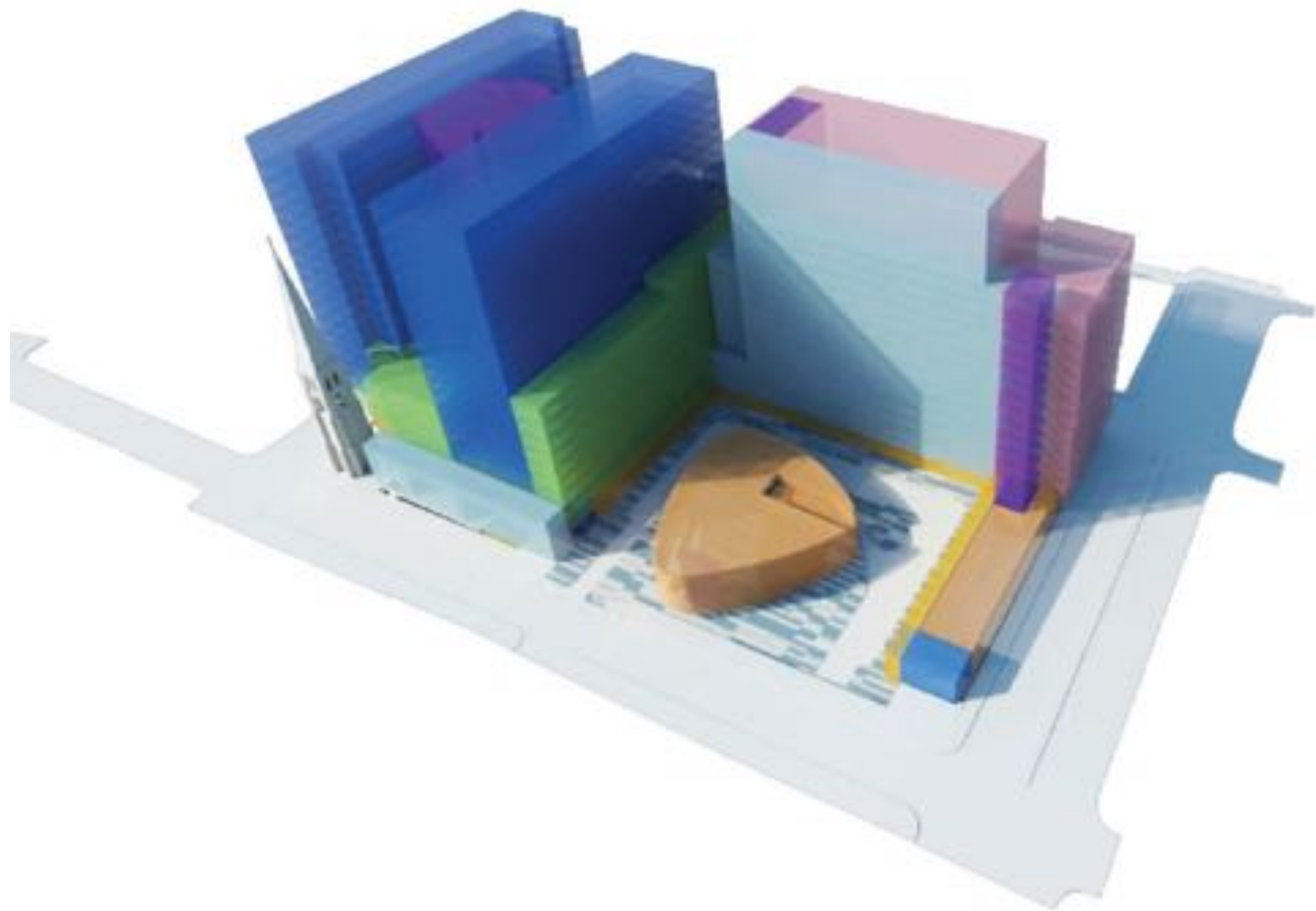


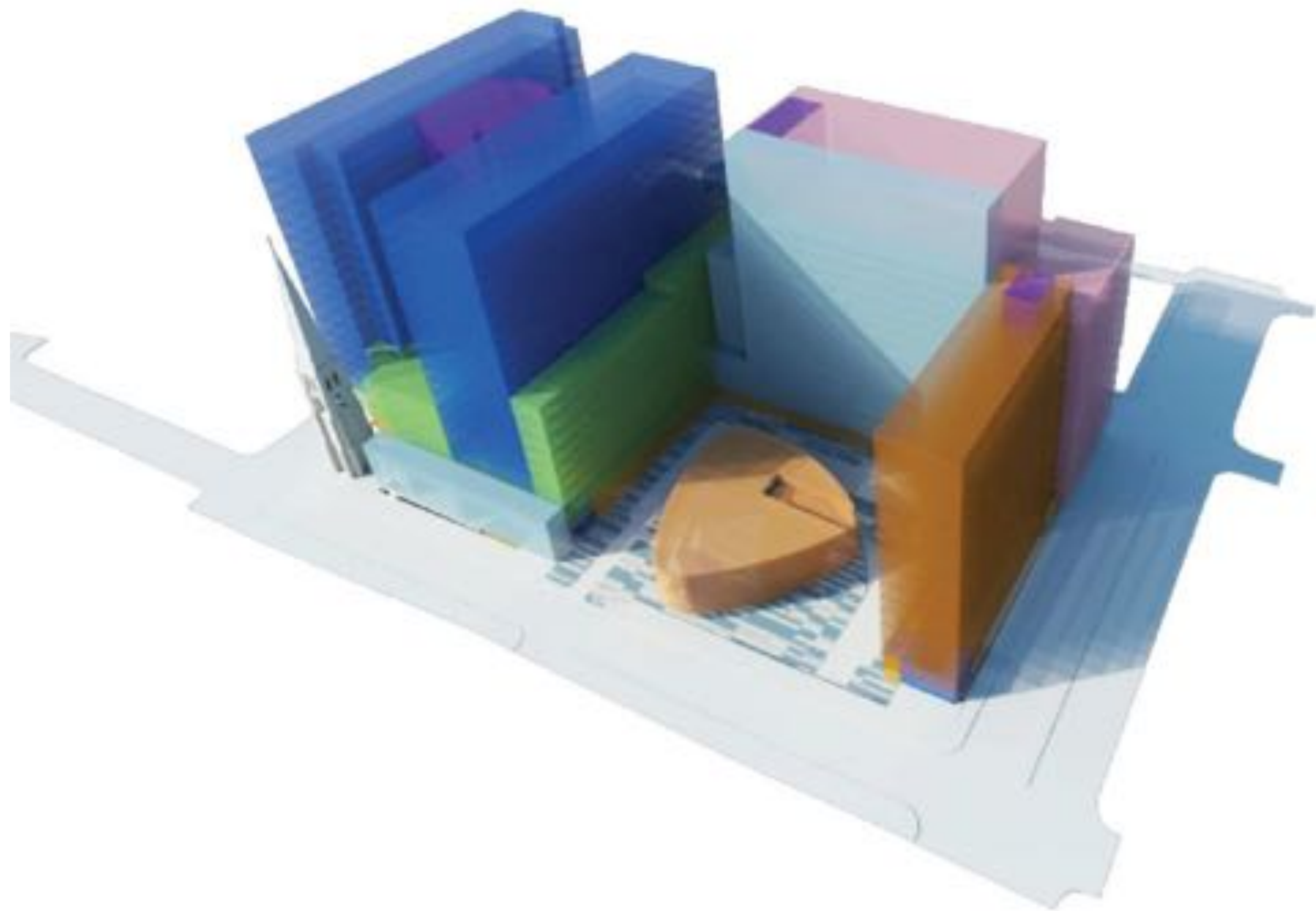


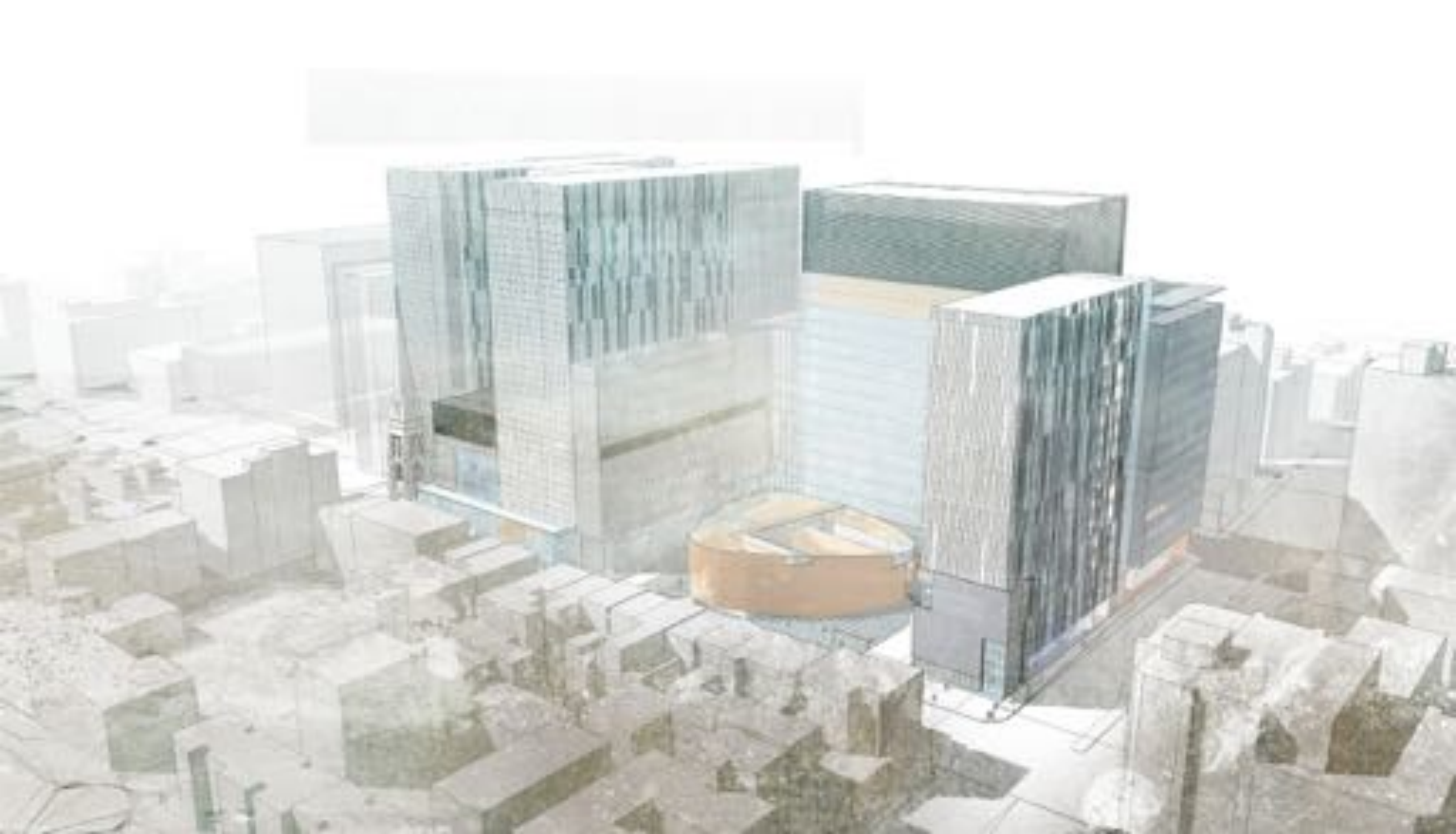


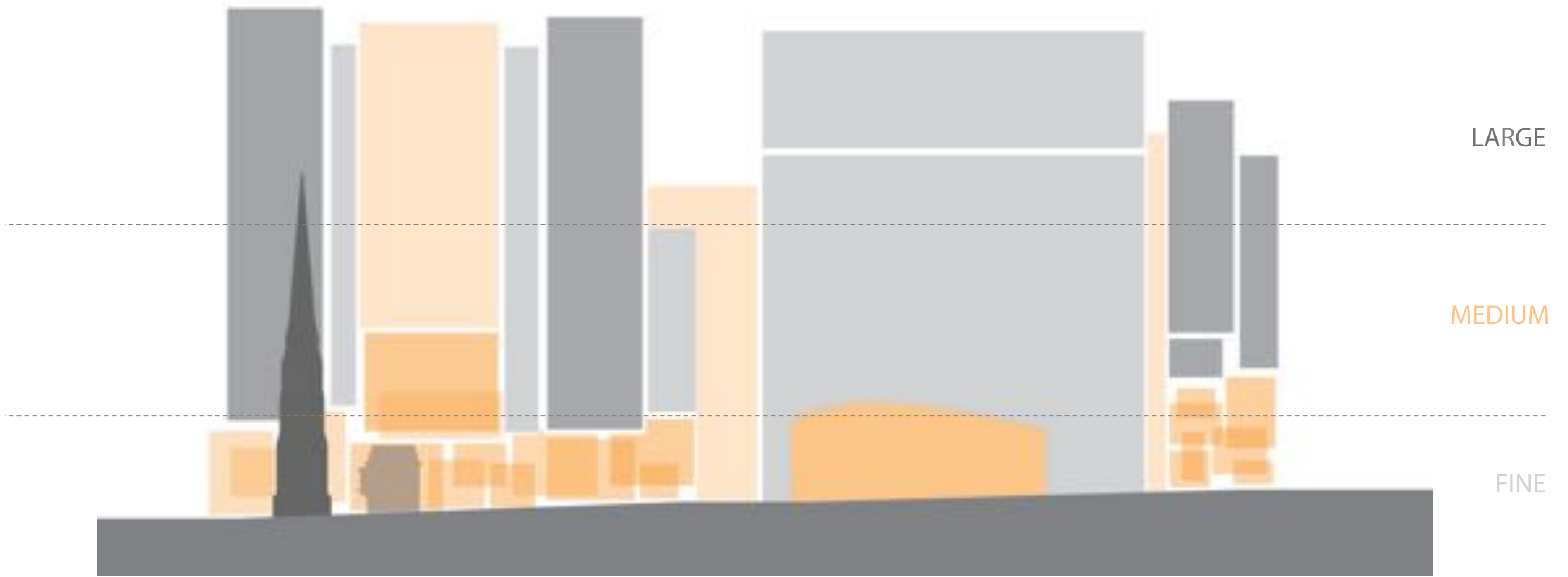








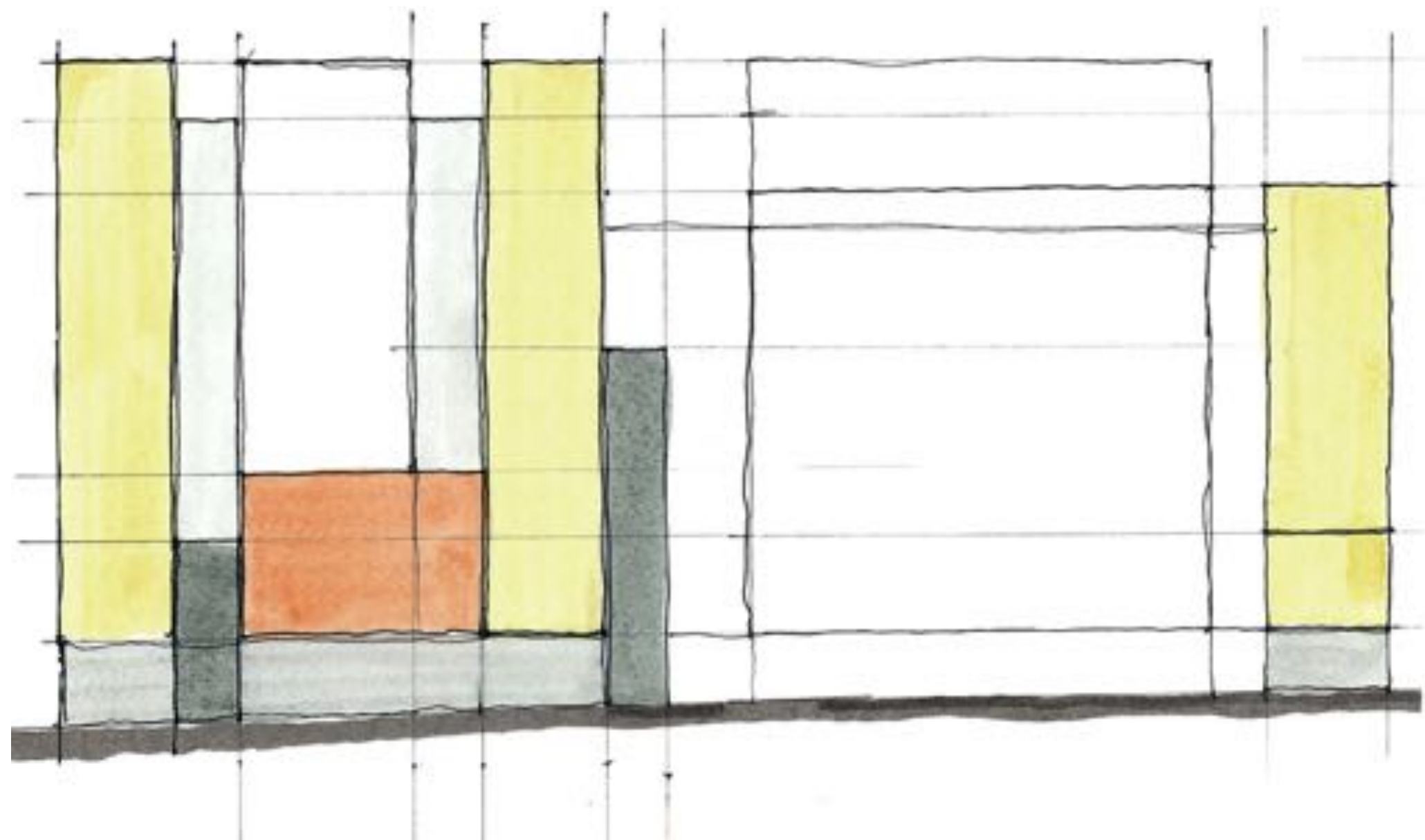


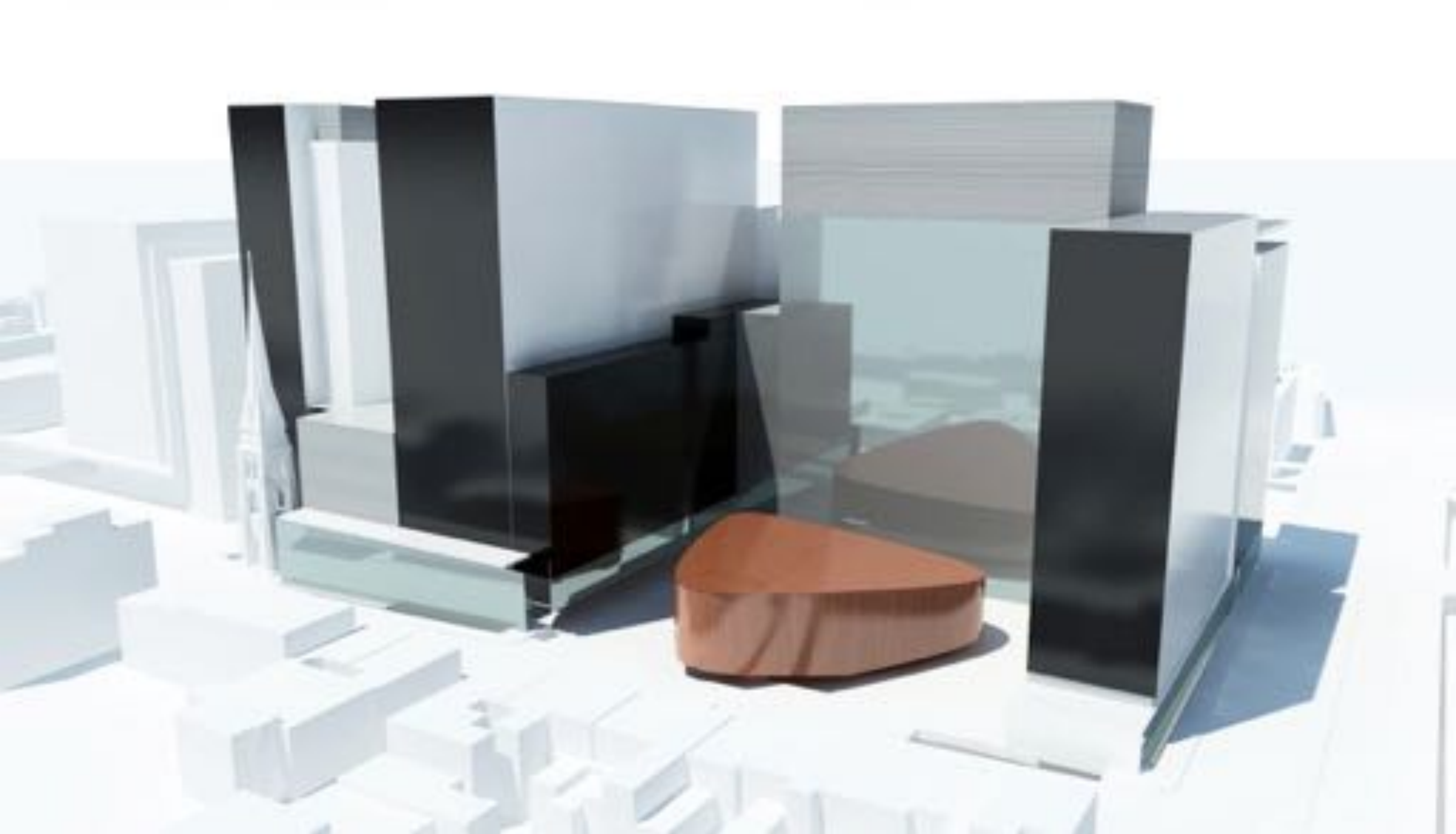


LARGE

MEDIUM

FINE

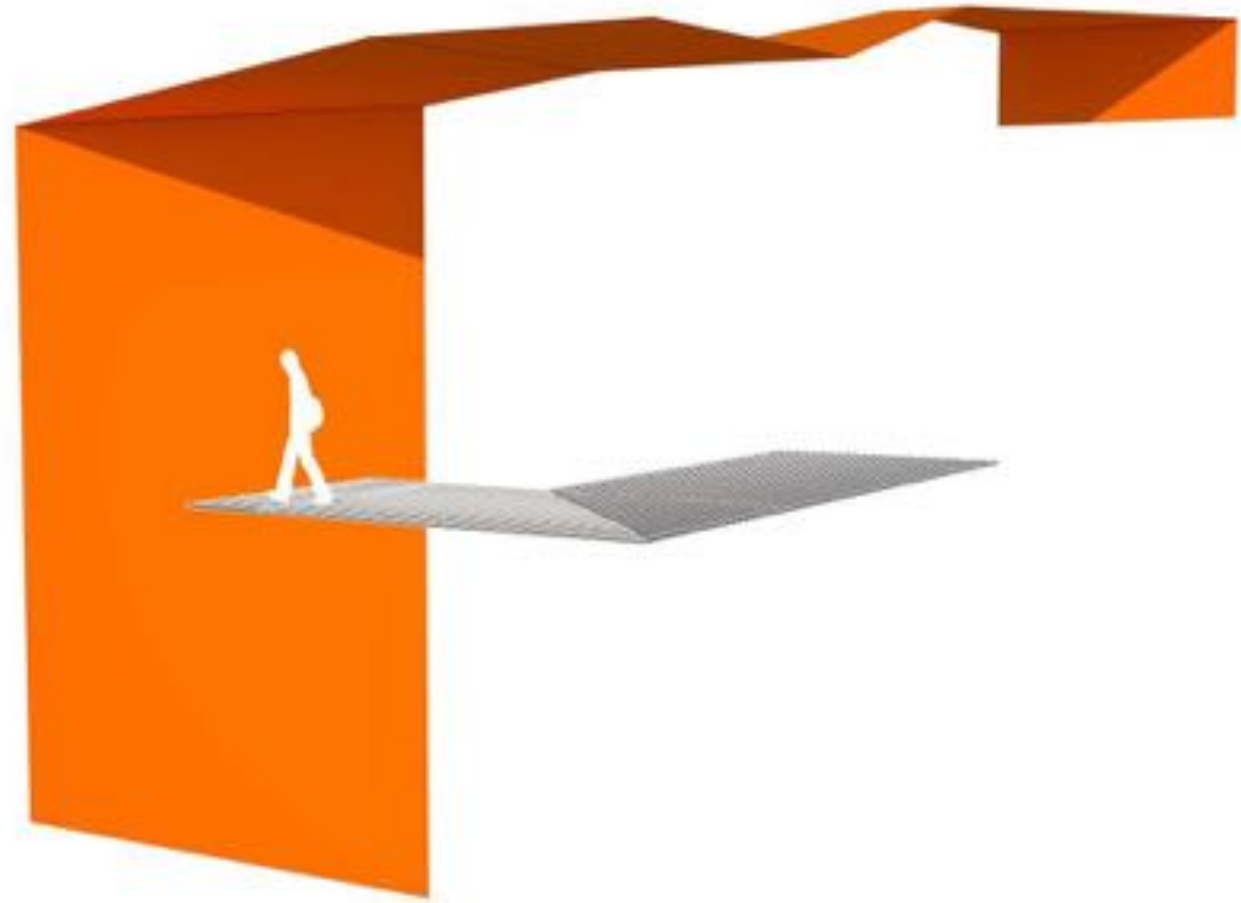




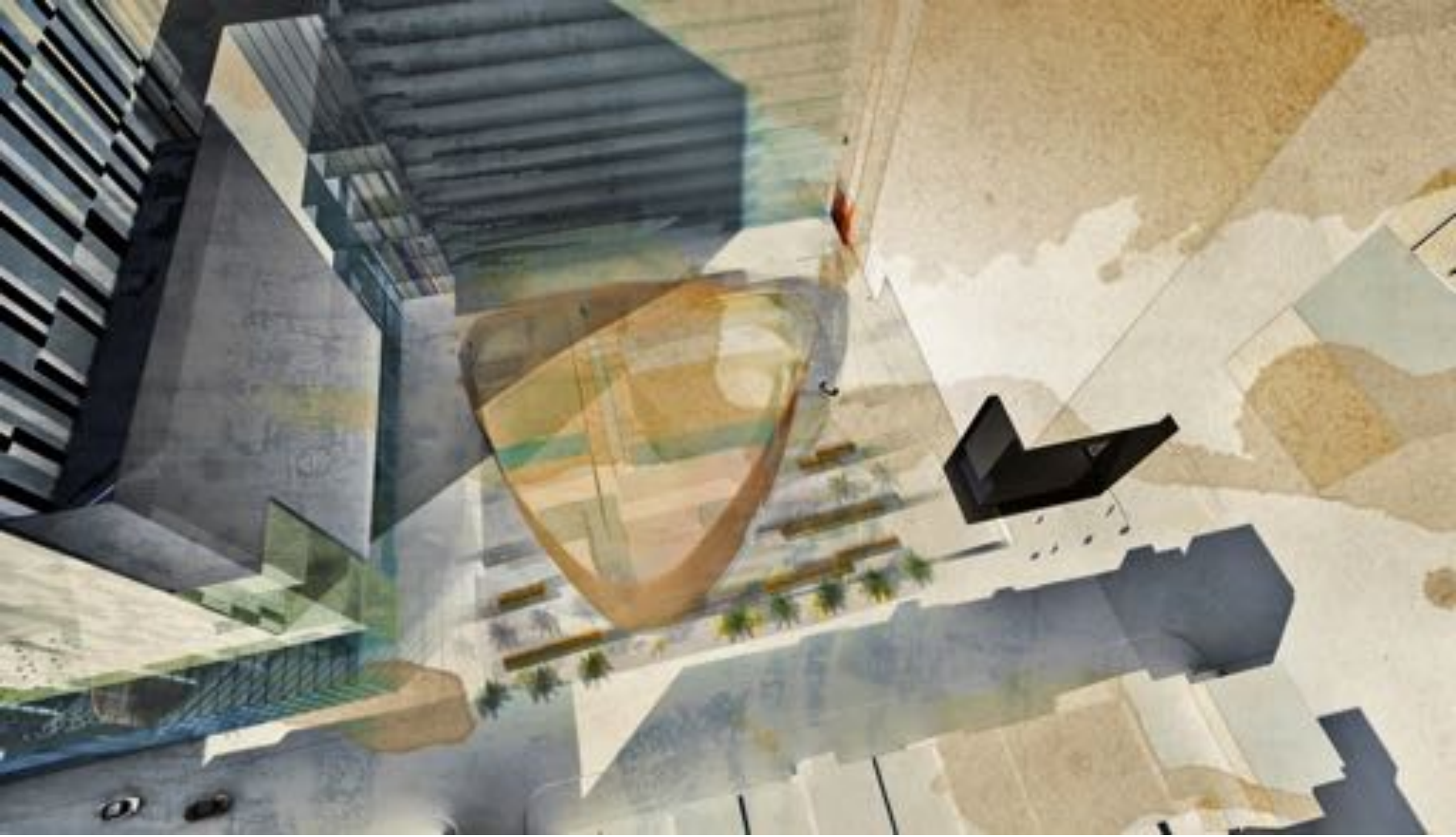








HUMAN SCALE







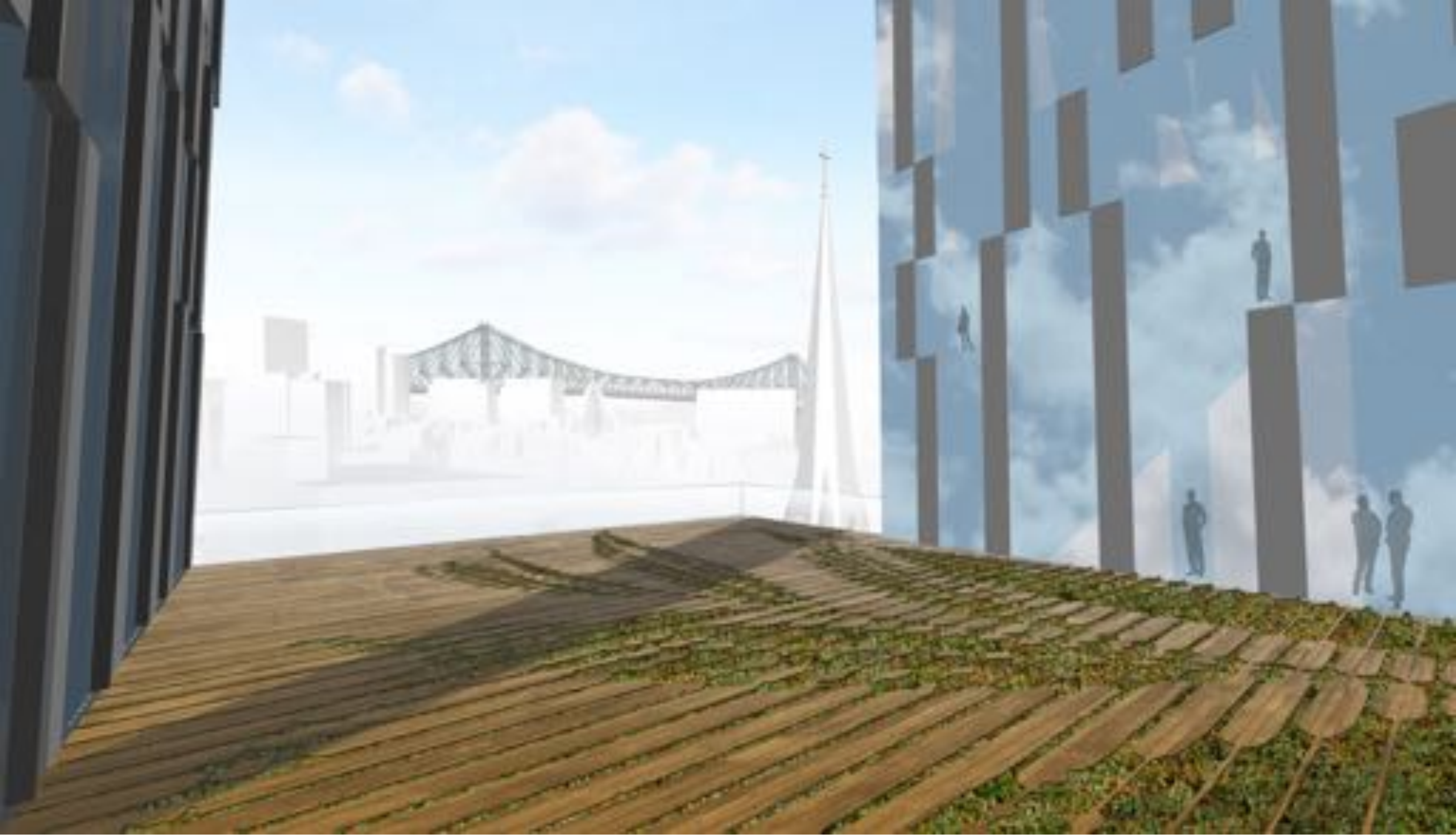


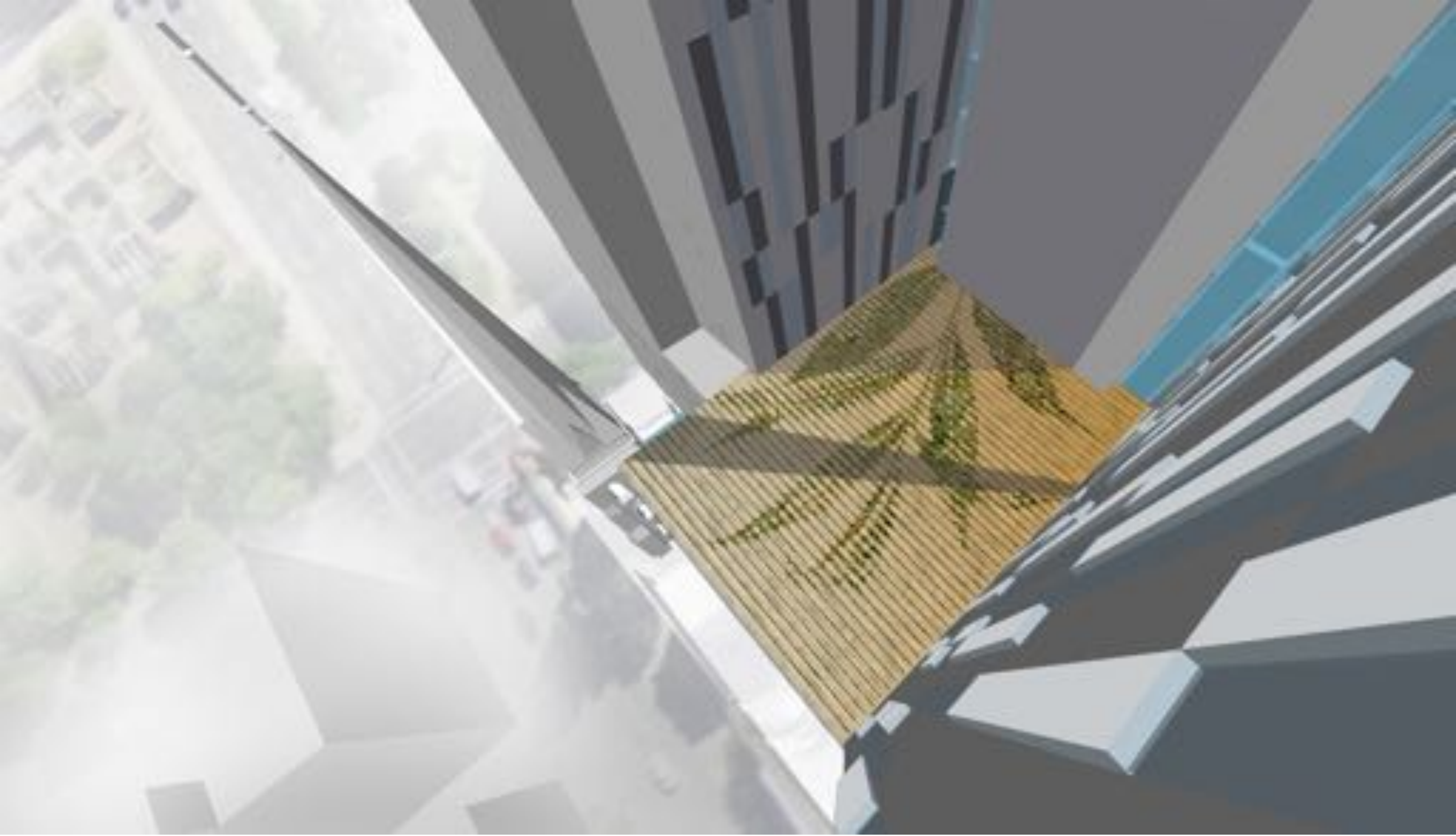








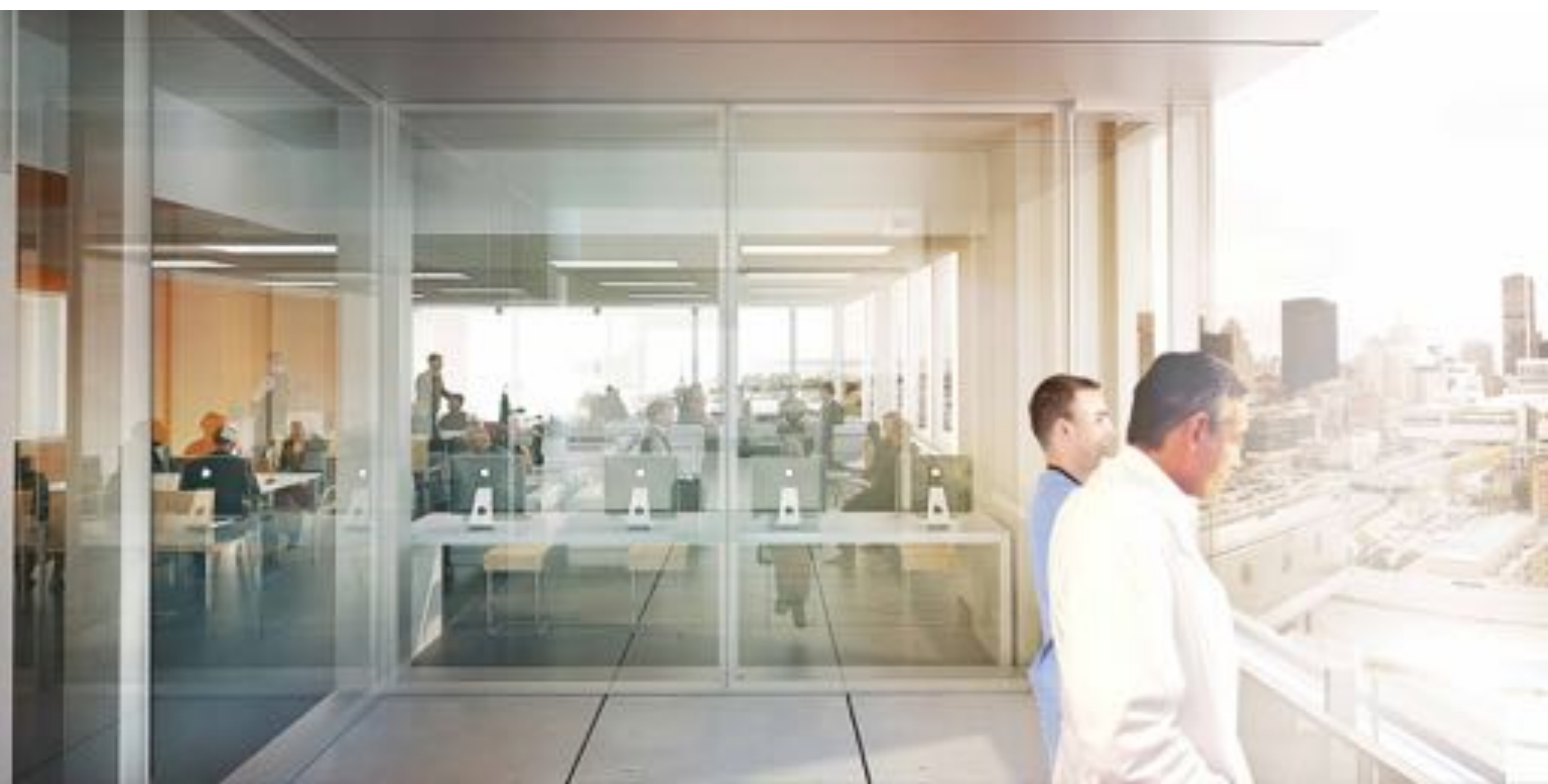




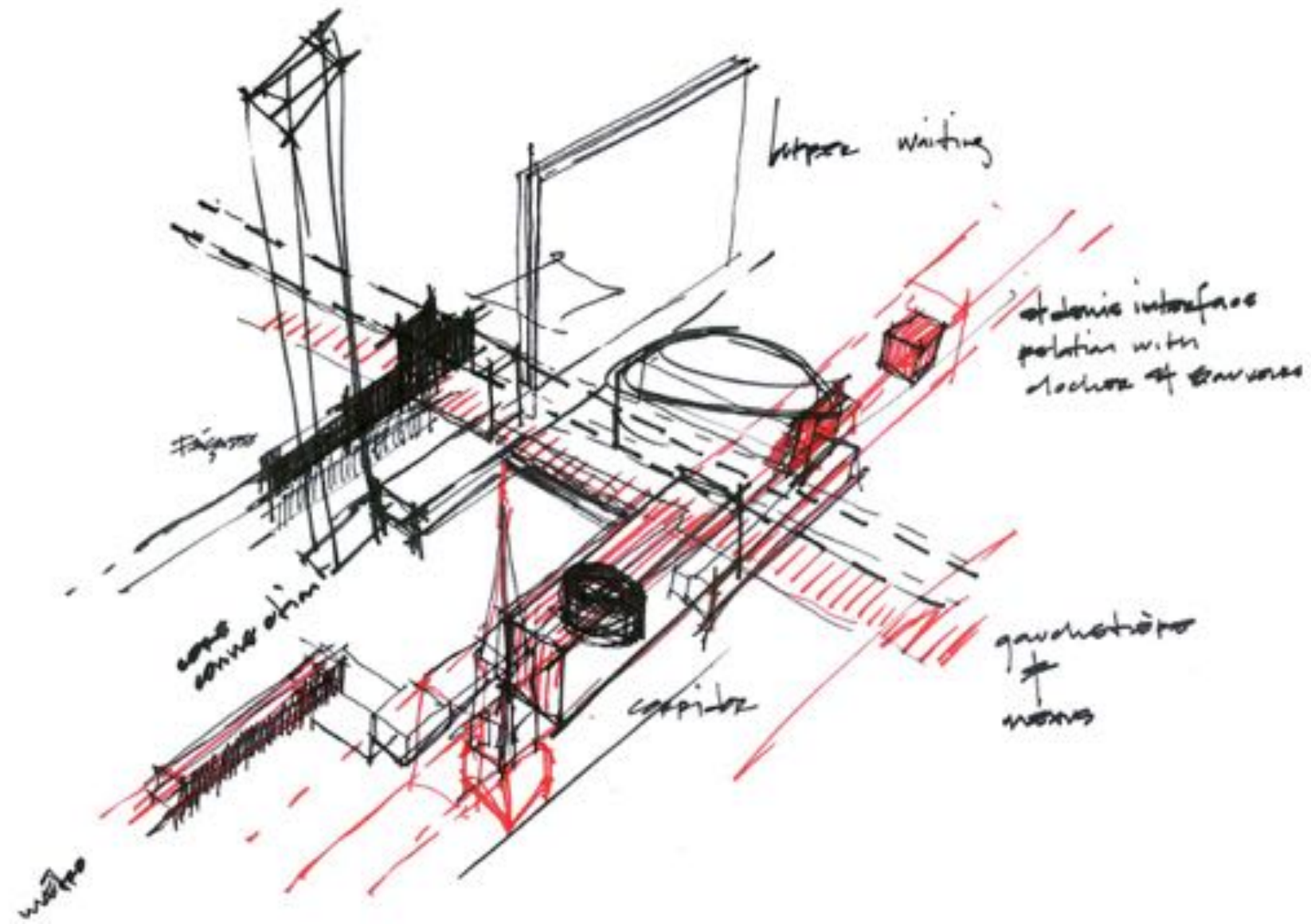




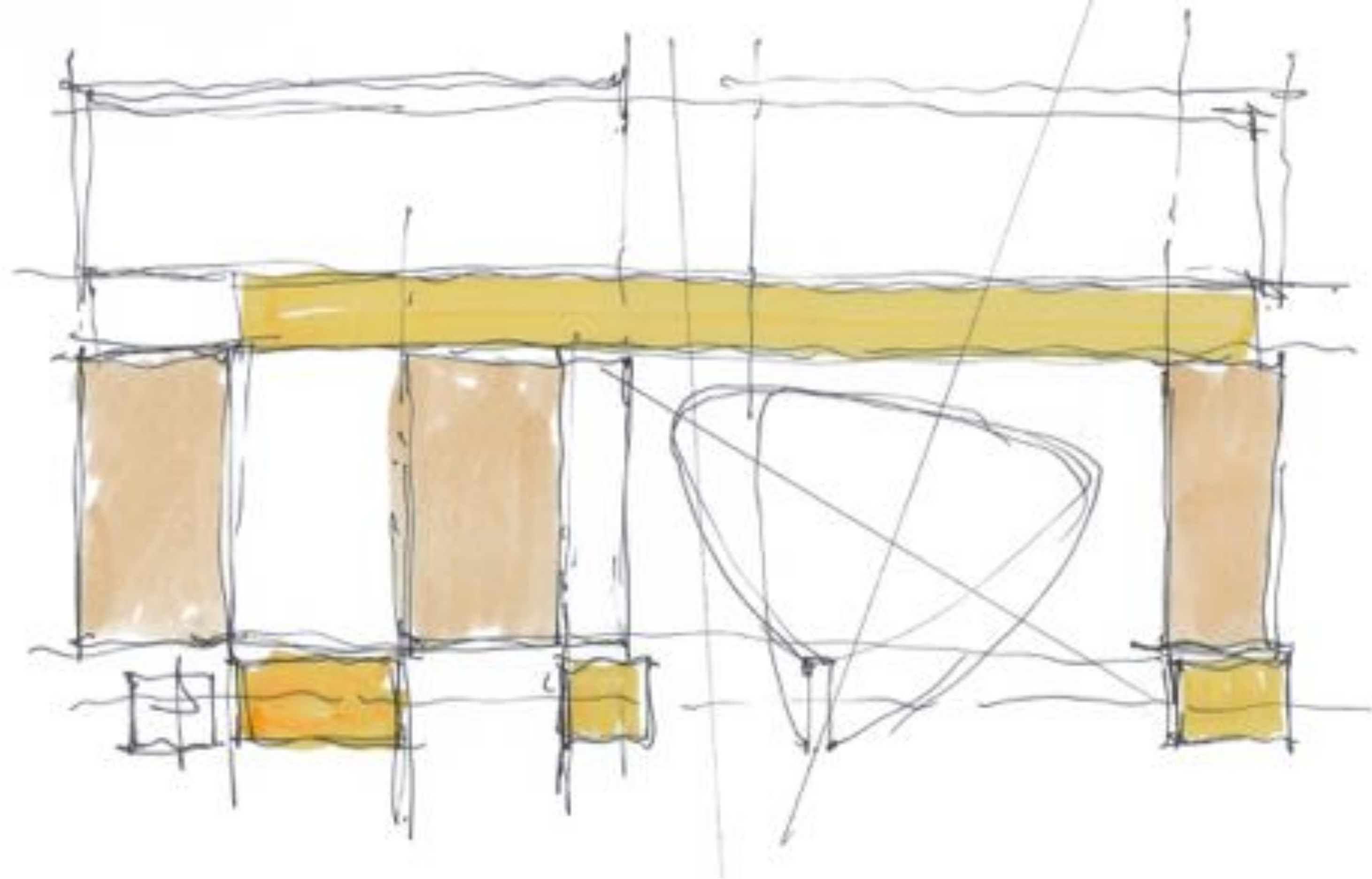


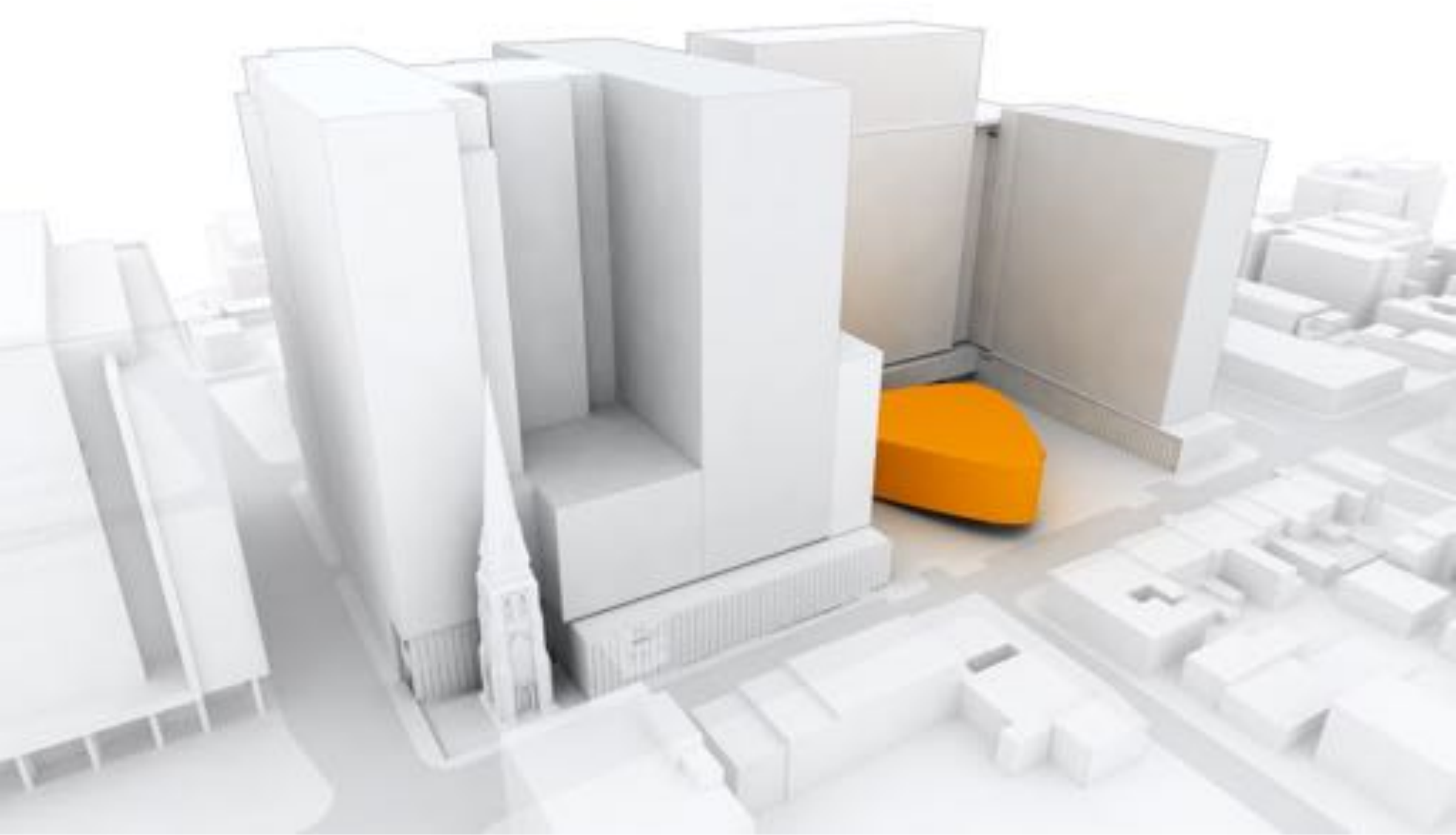


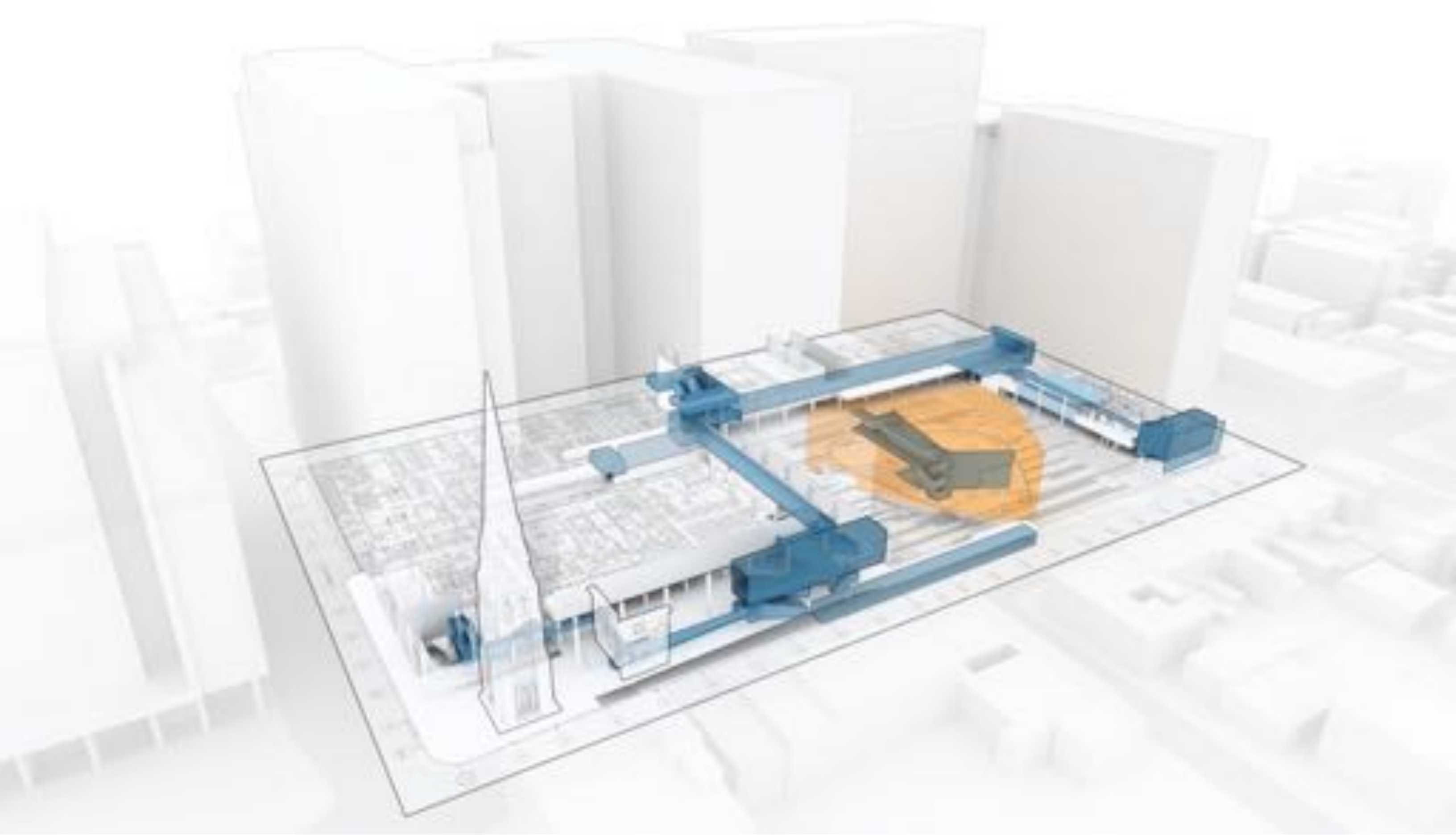


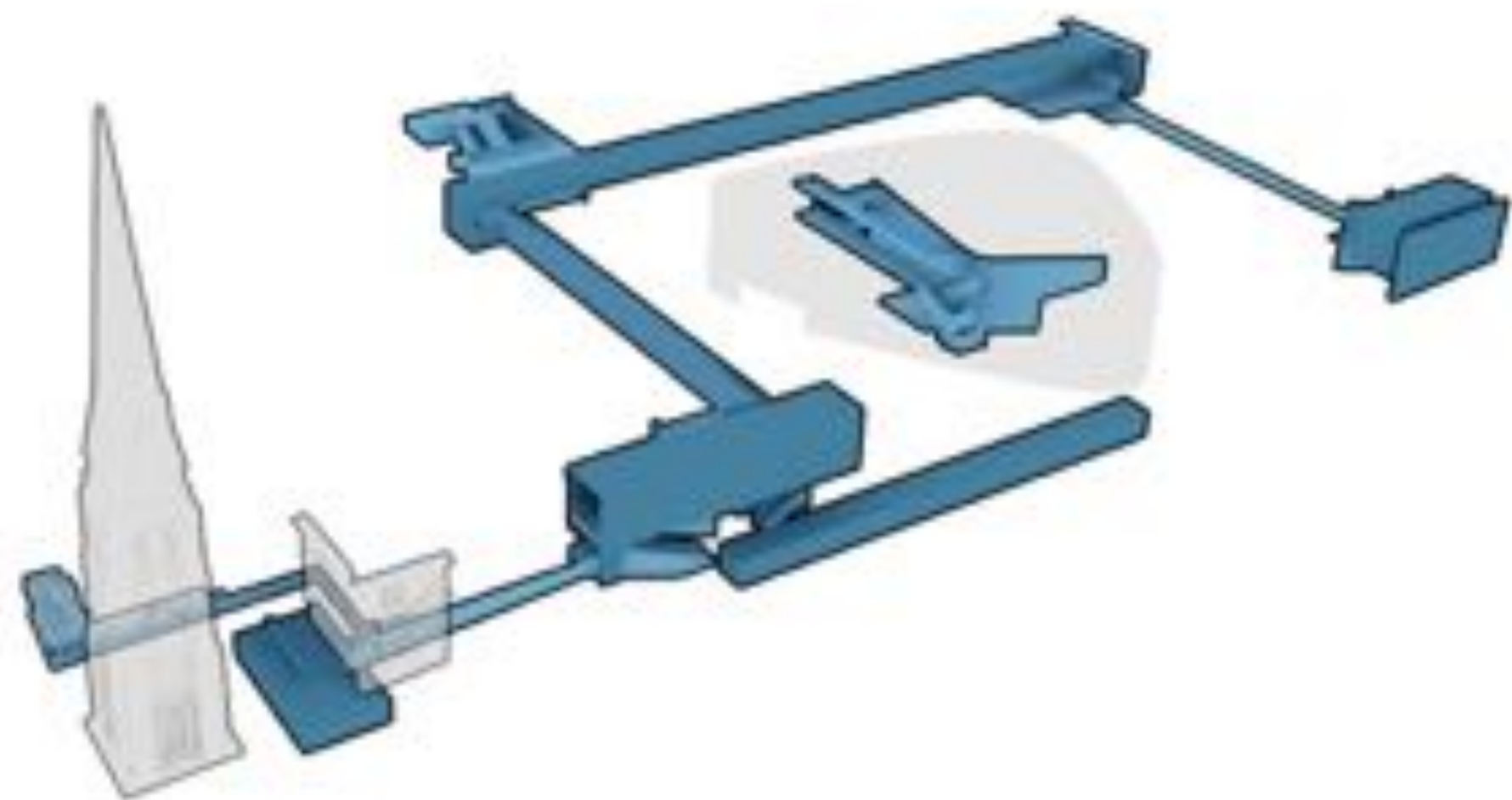


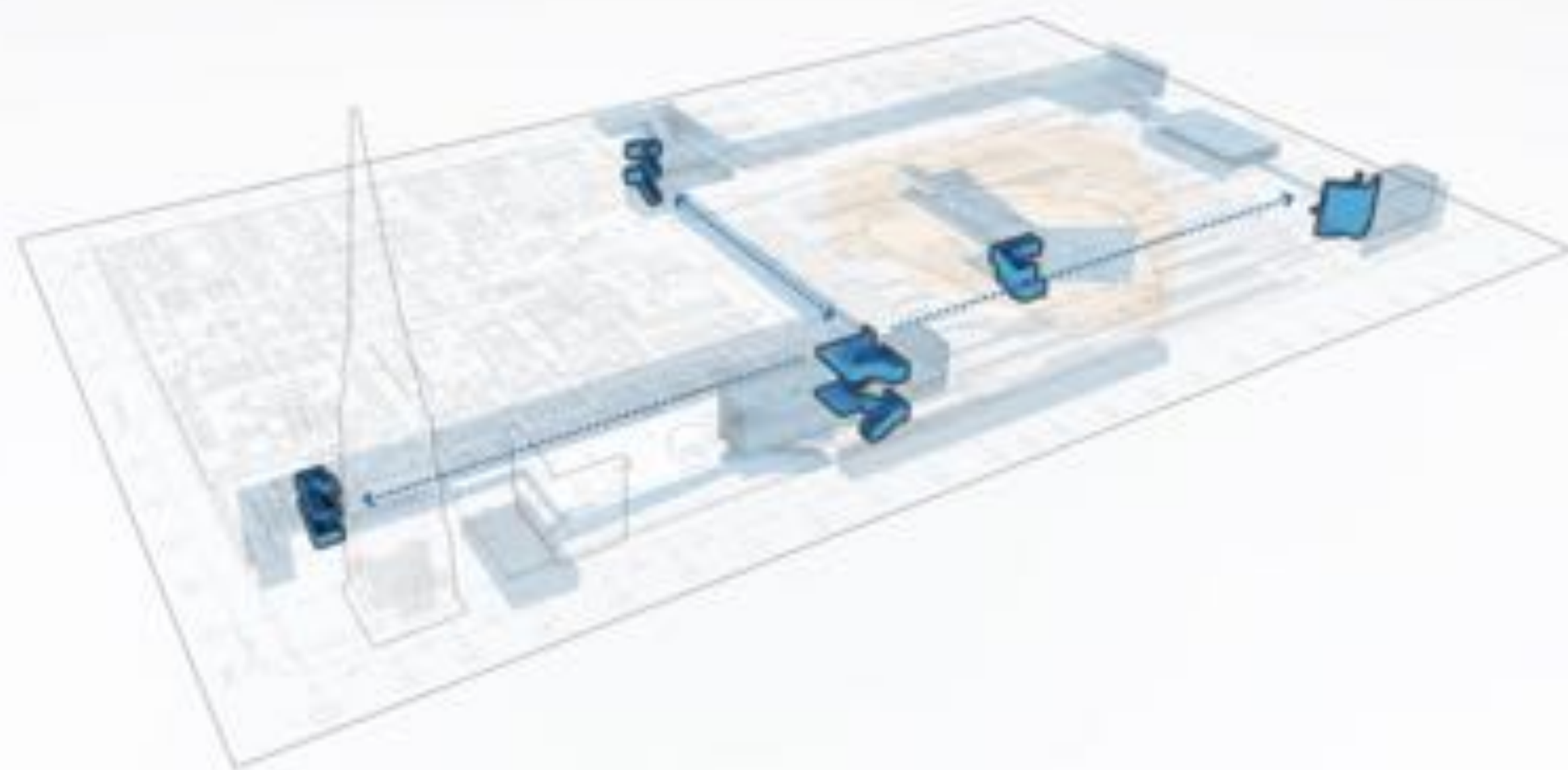
PUBLIC SPACES

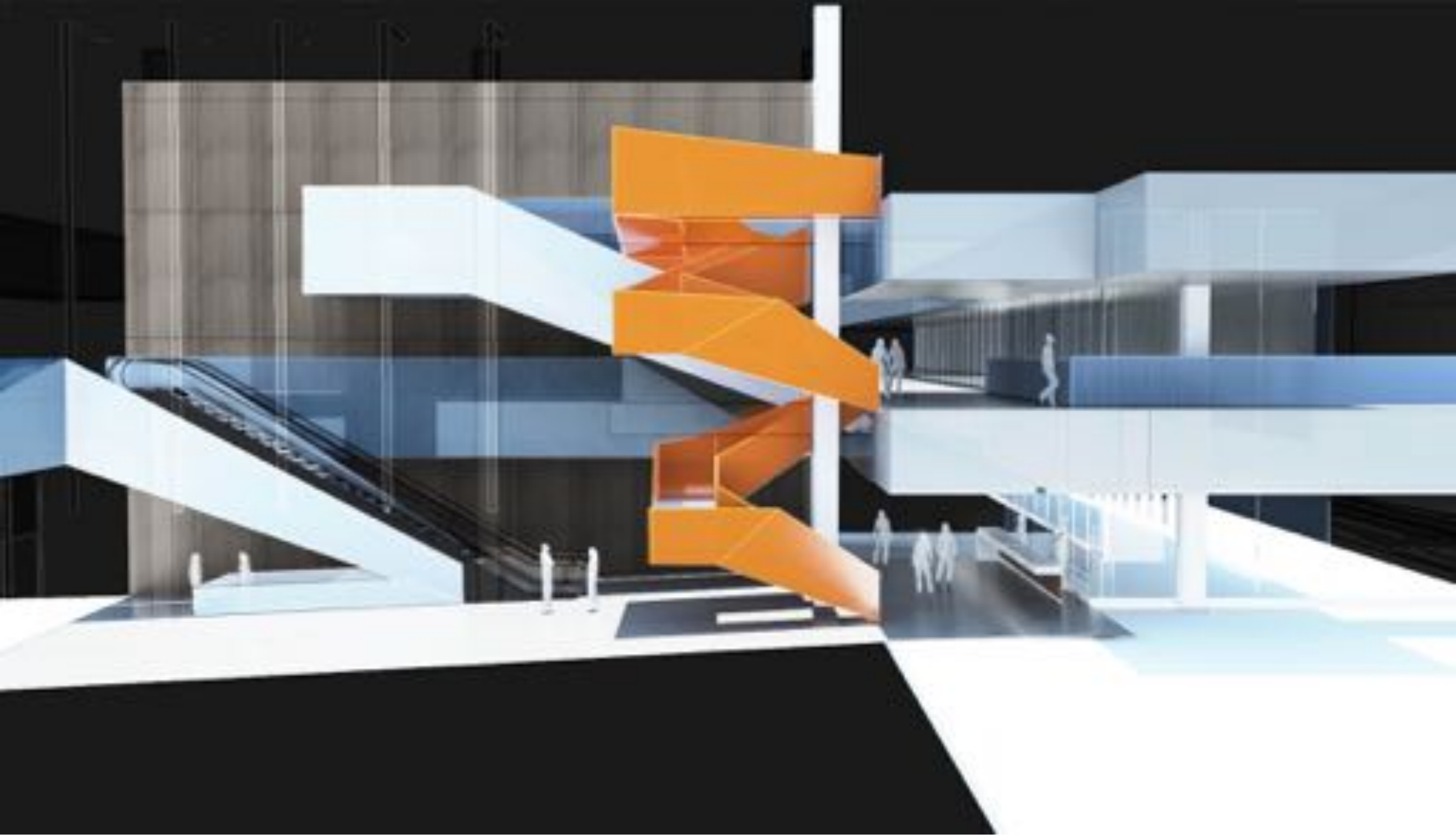


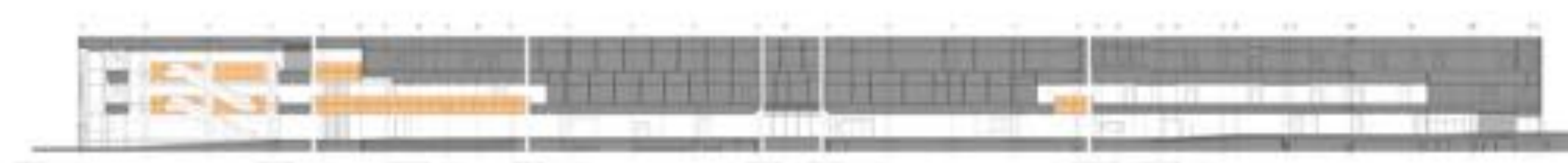
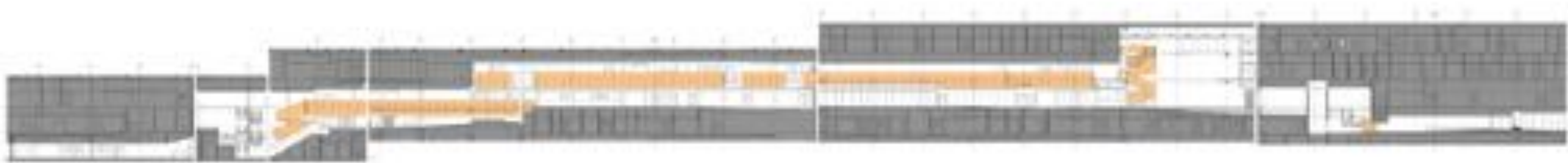


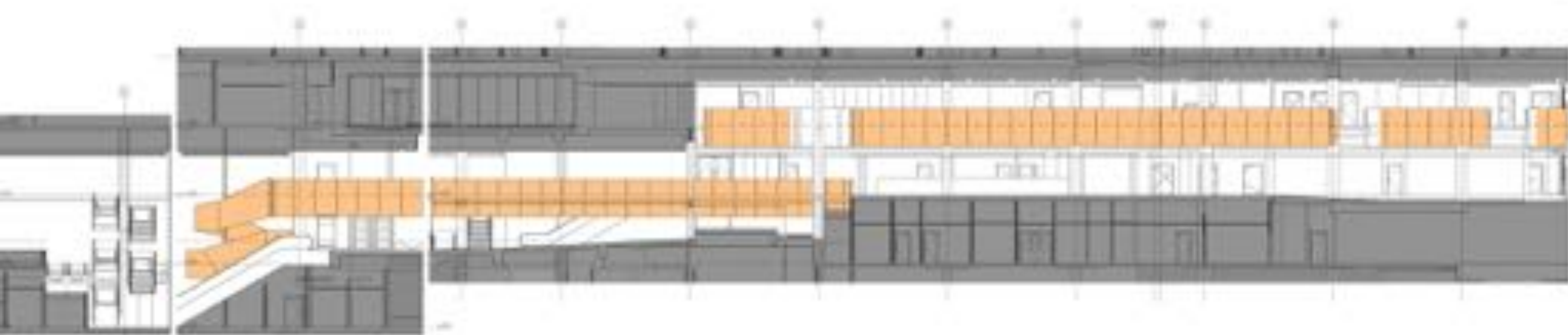






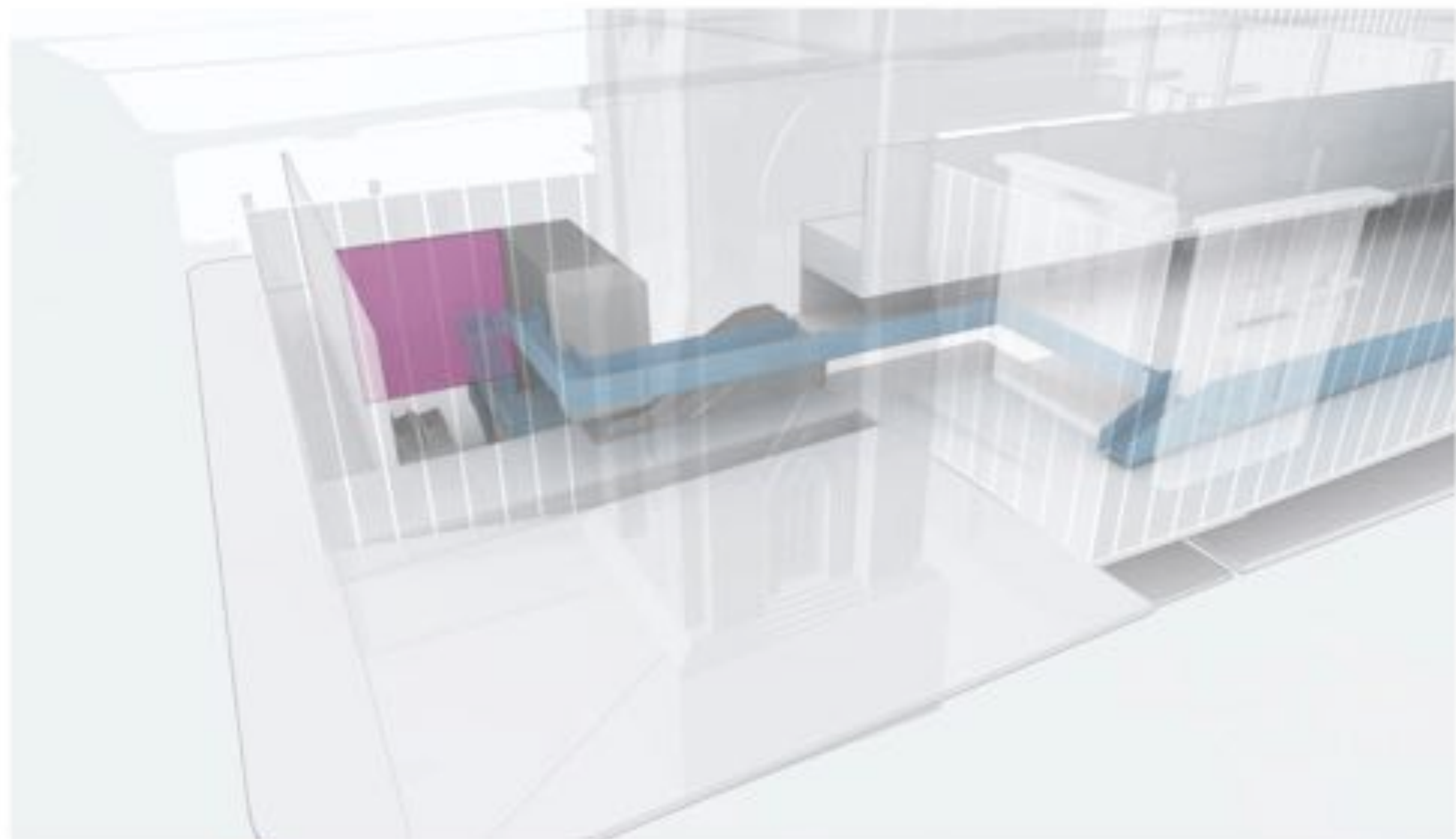




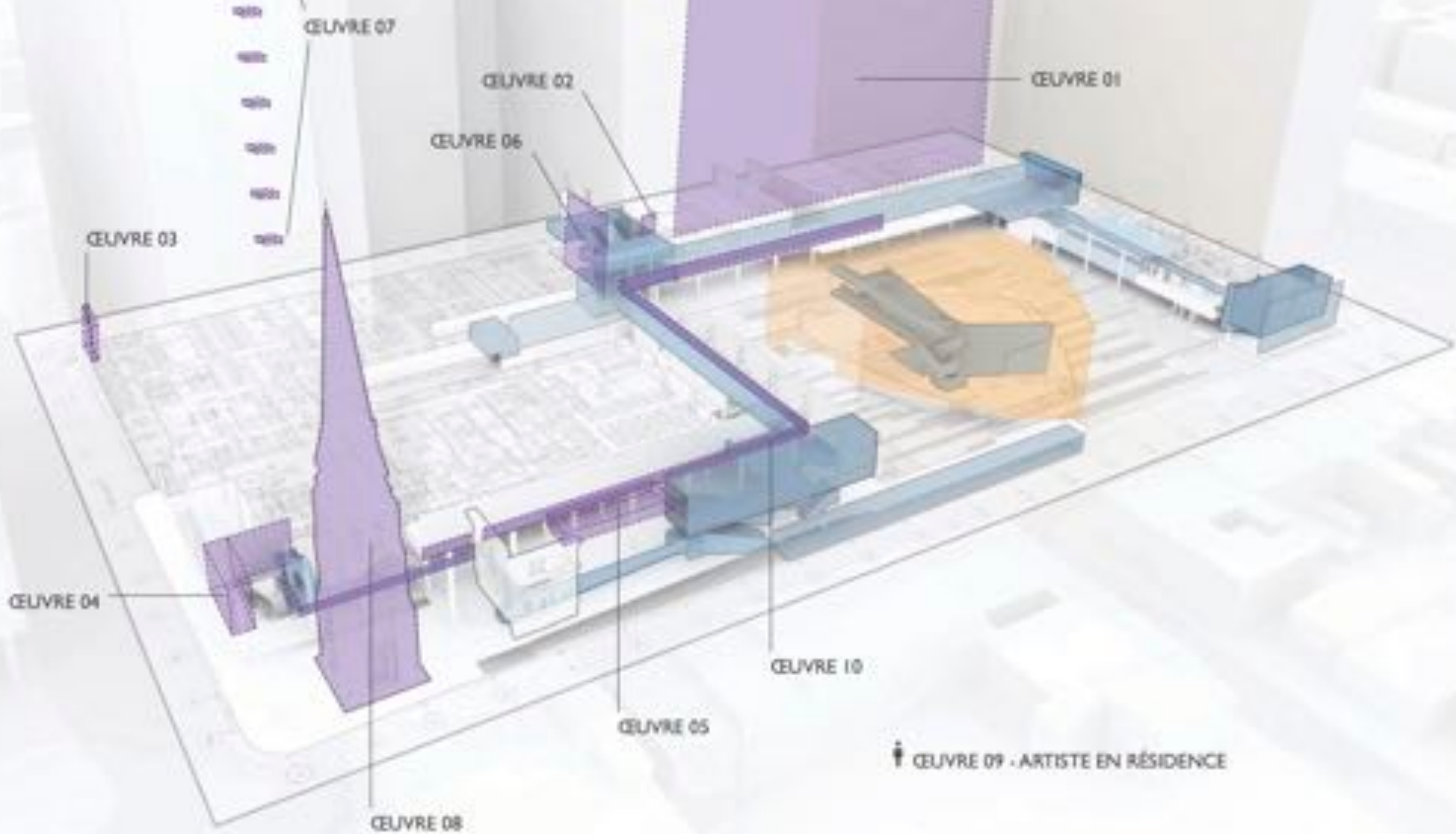






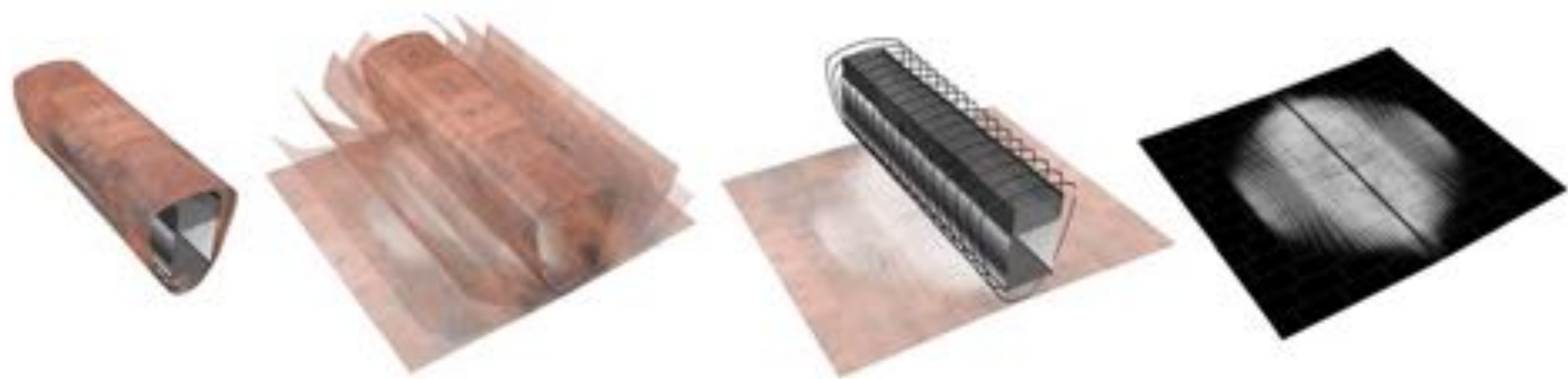






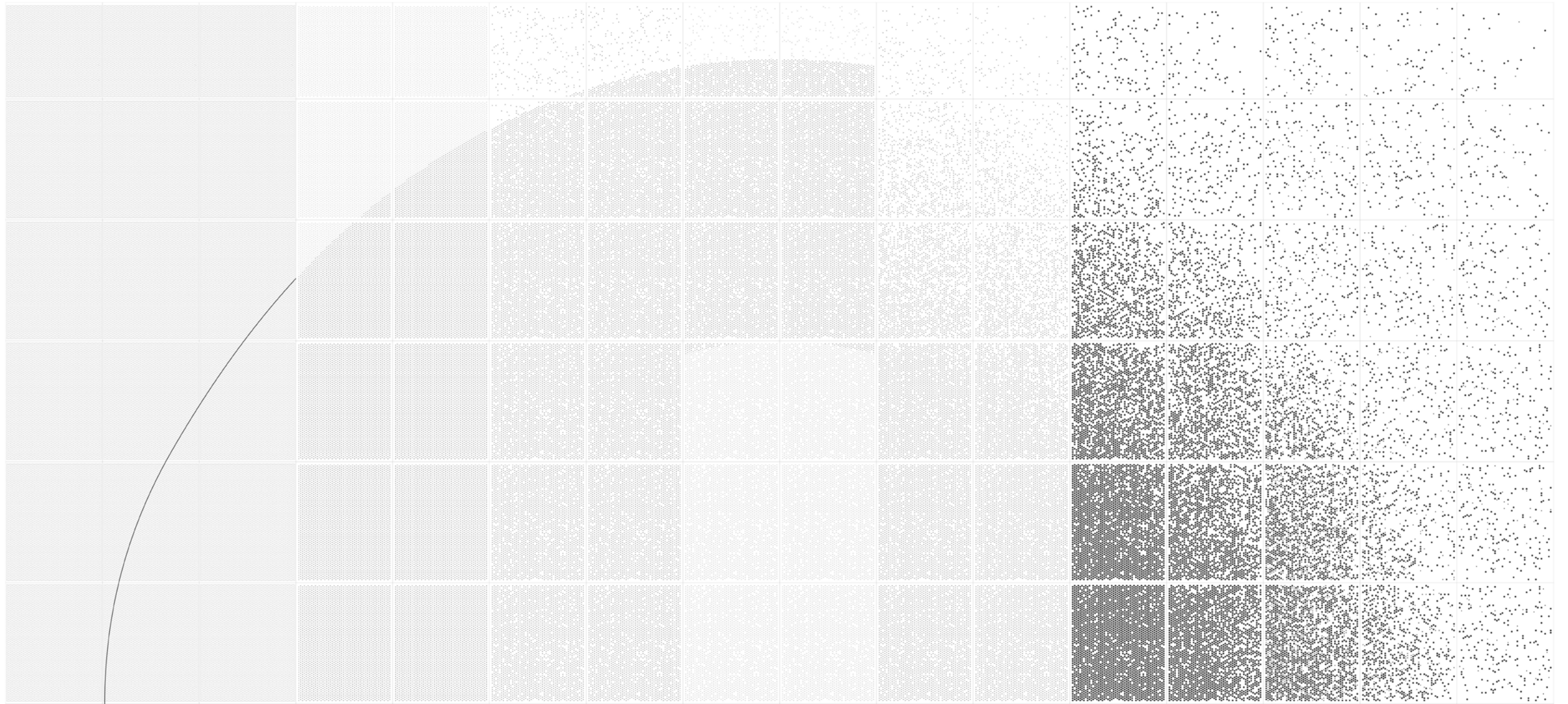












GRID PATTERN

WORK ZONE

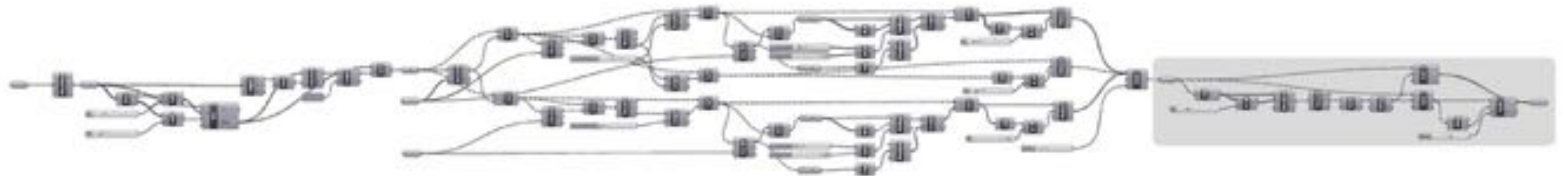
FADE LENGHT

FADE QUANTITY

NOISE I - RANDOM CULL

PERFORATION SHAPE

NOISE II - RANDOM SCALE



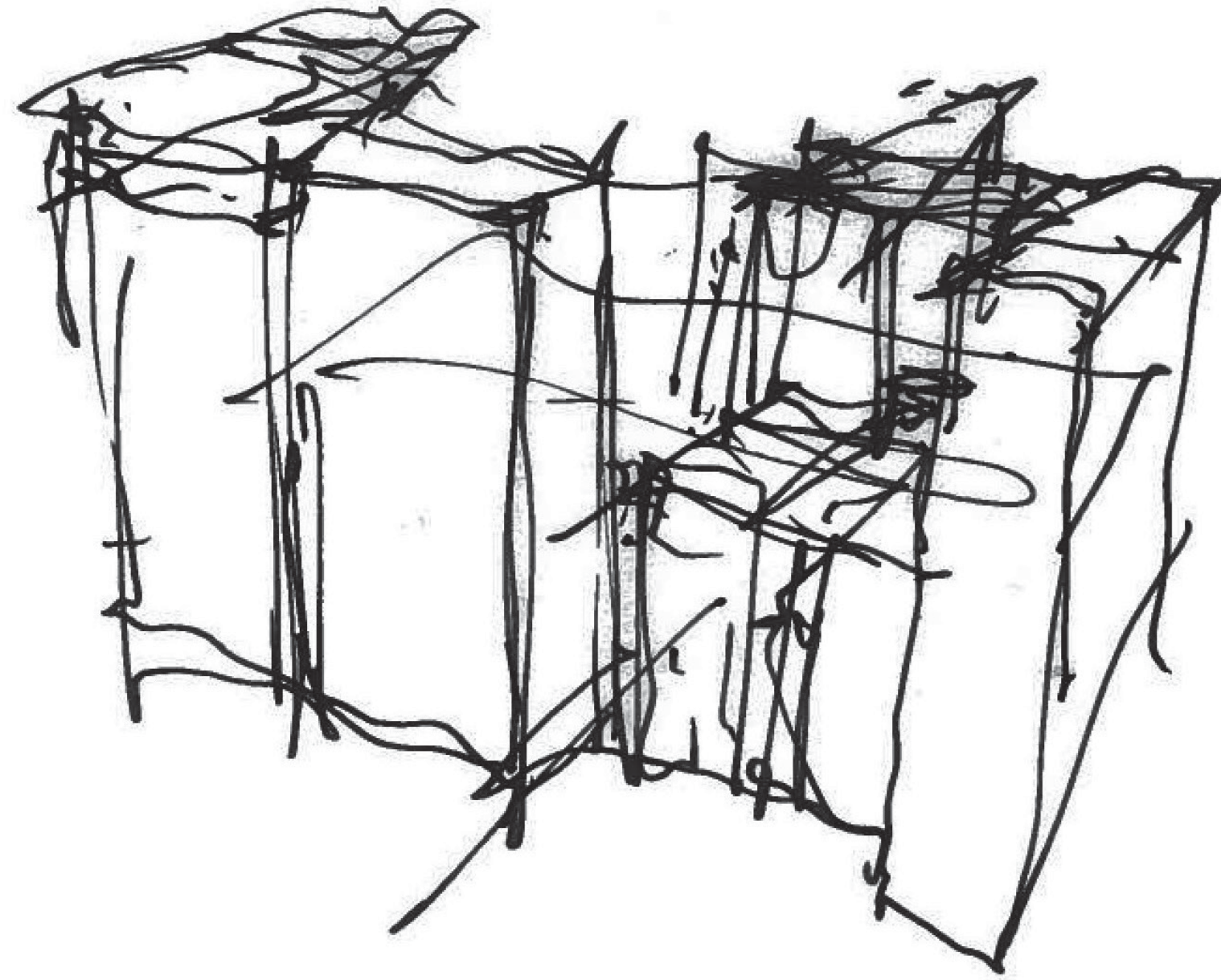












A TEACHING HOSPITAL

CHUM 

33,600
HOURS
OF MEETINGS SERIES #3

300+
GLASS SAMPLES

27,000
NEW DOCUMENTS

7,370
PAGES
SUBMISSION FOR
CLINICAL PLANNING

CHUM

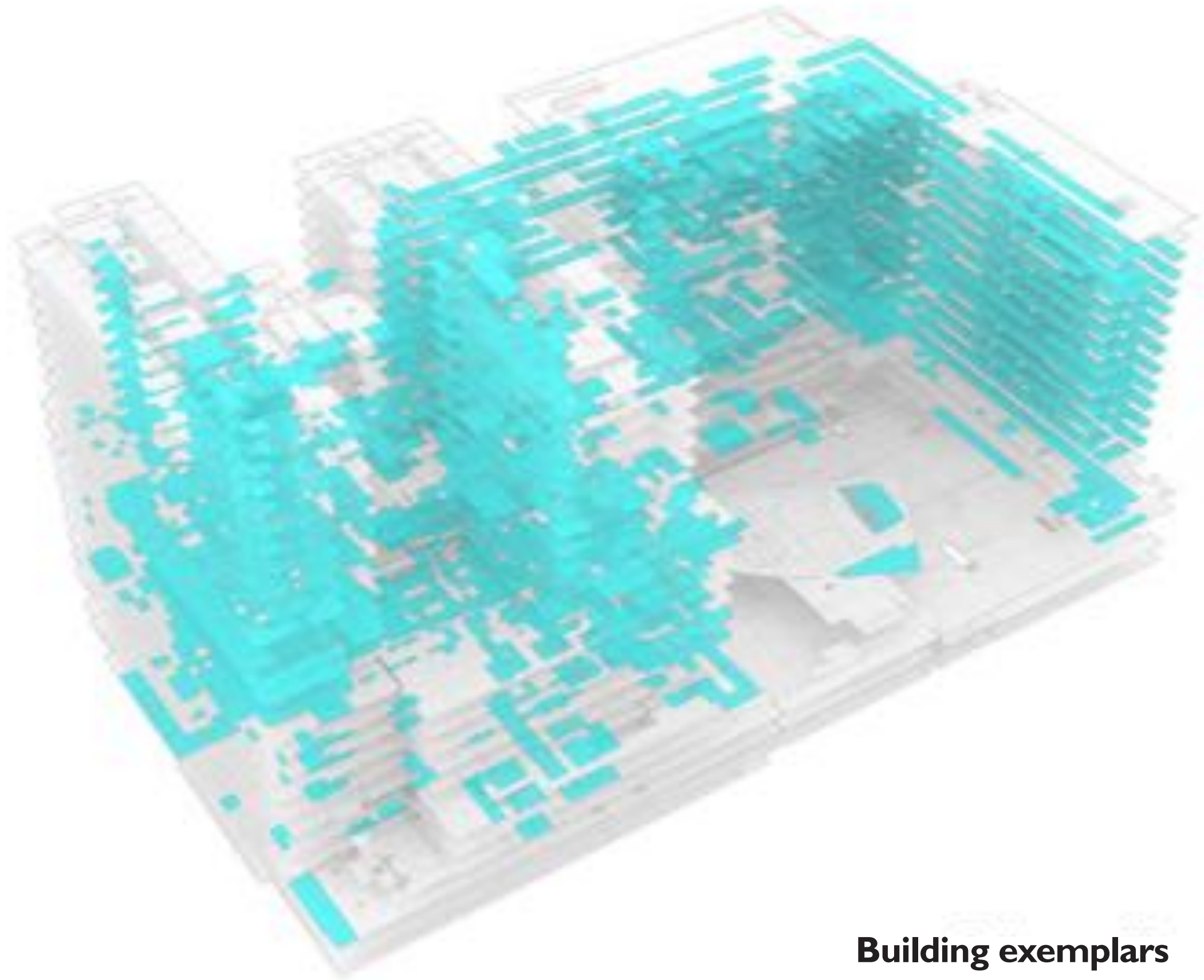


5,000
REVIEWED CURTAIN
WALL DETAILS

1 % LARGEST BUDGET FOR PUBLIC
ART INTEGRATION,
LARGEST CONCENTRATION OF
PUBLIC ART SINCE EXPO 67

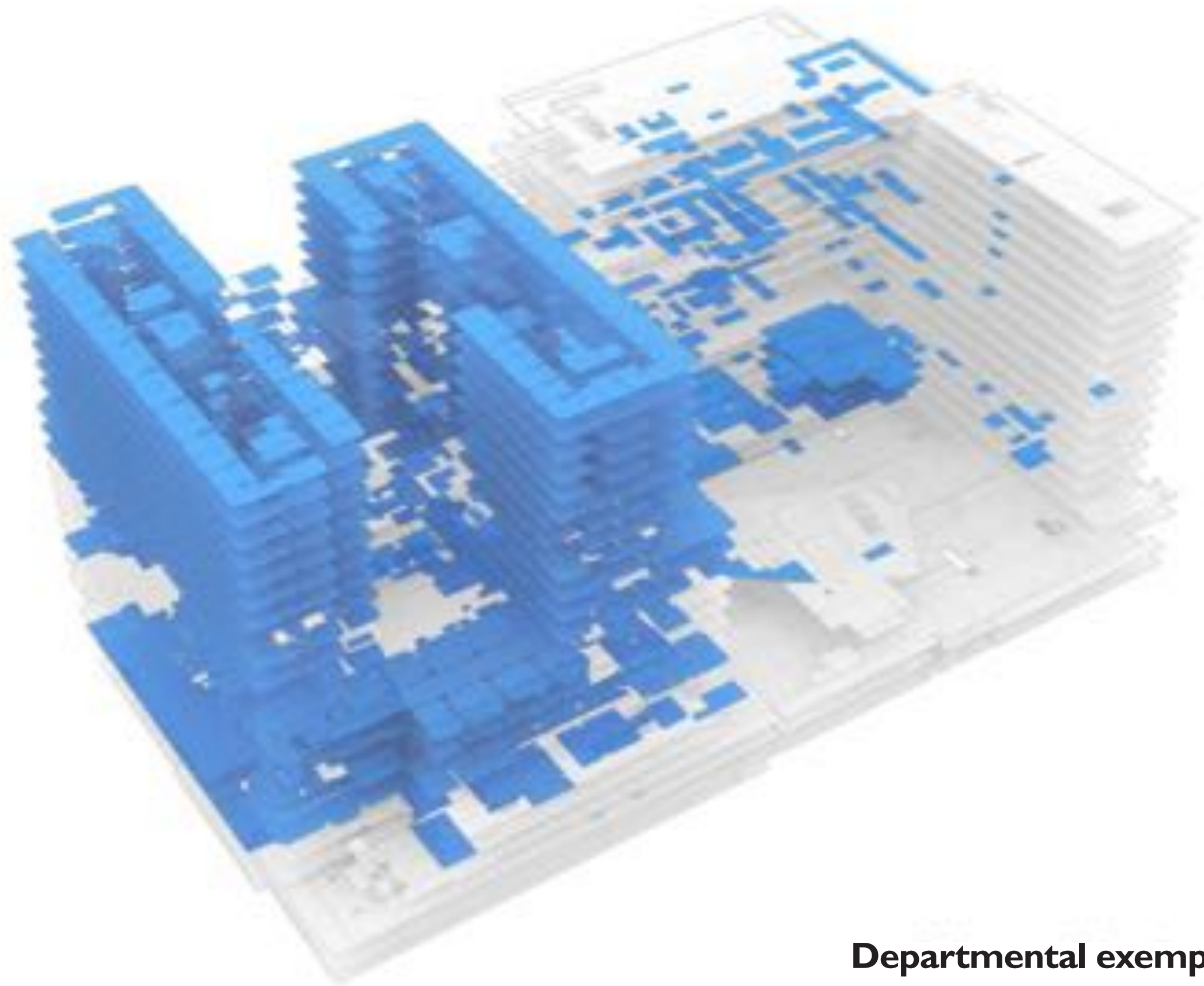
15,000
PAGES OF MEETING MINUTES



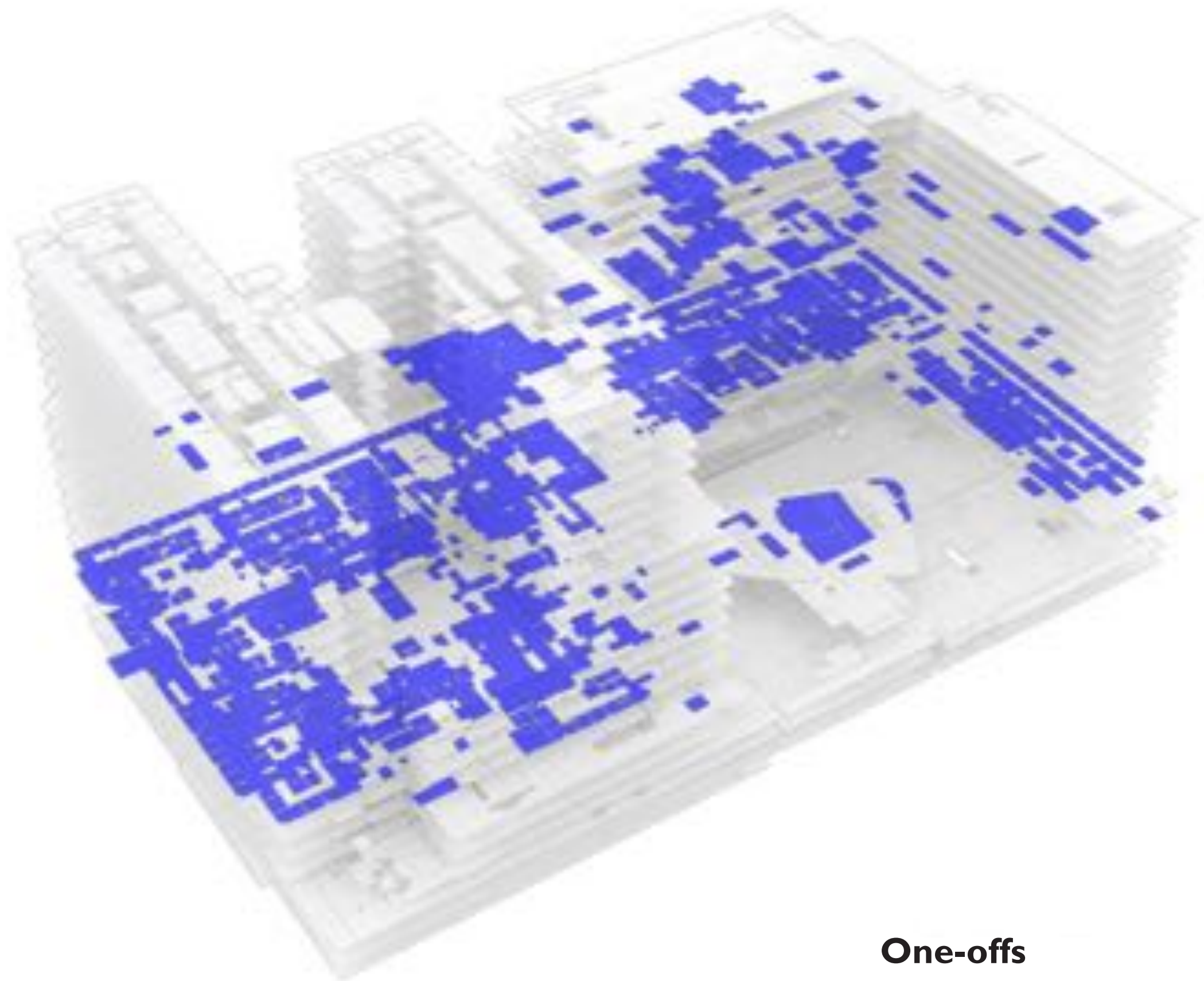


Building exemplars

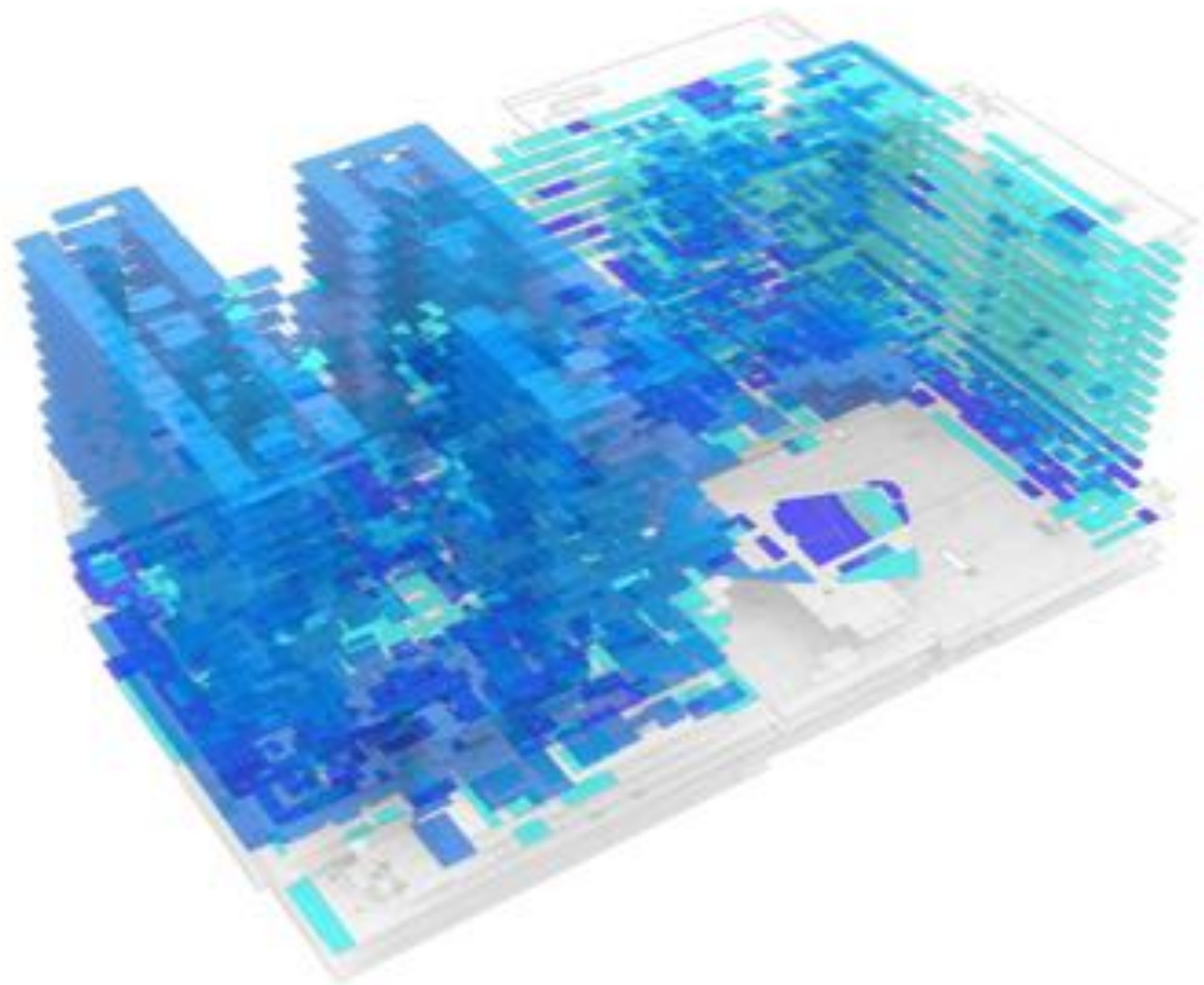
2020 2021 2022 2023 2024

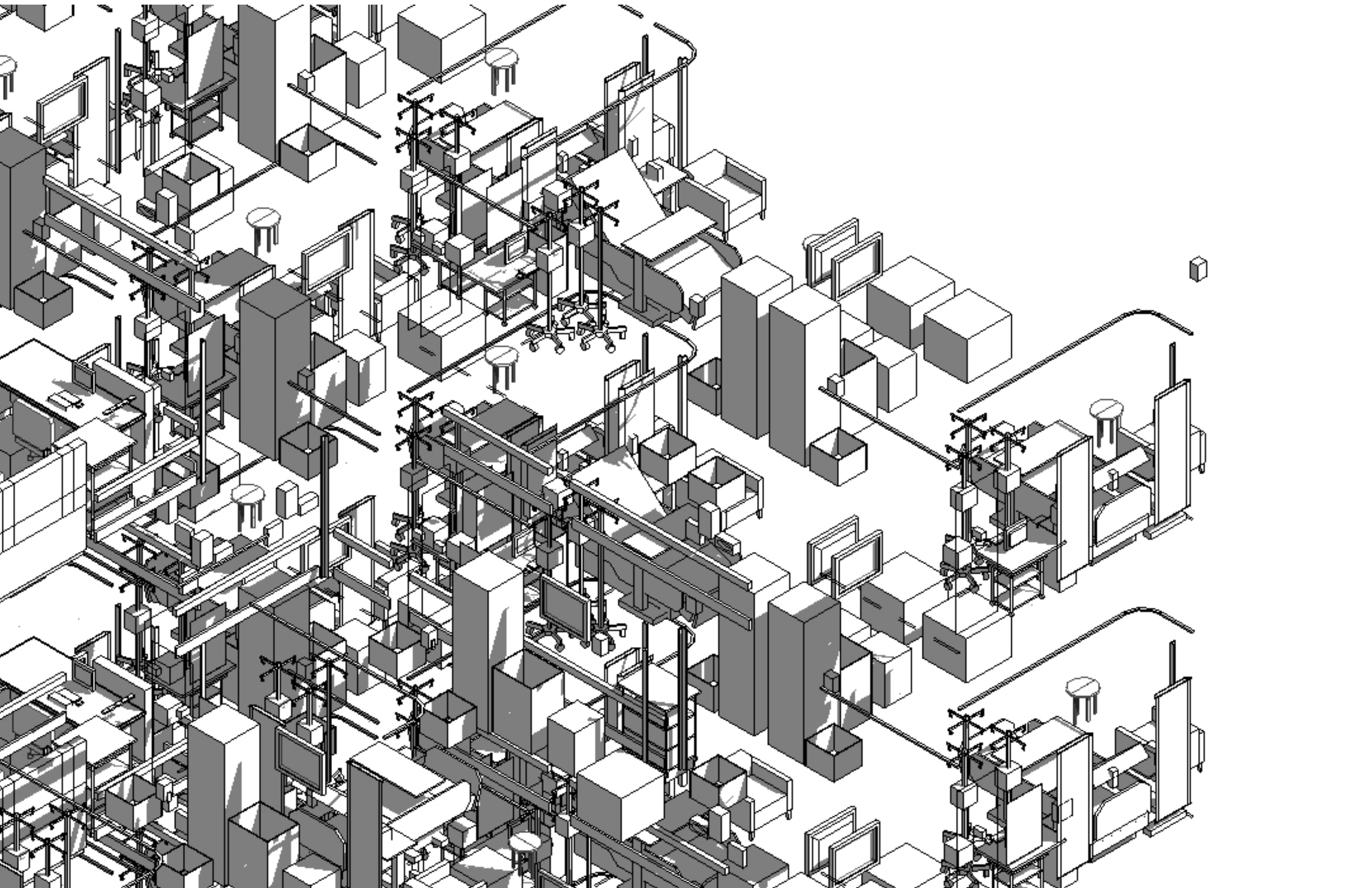


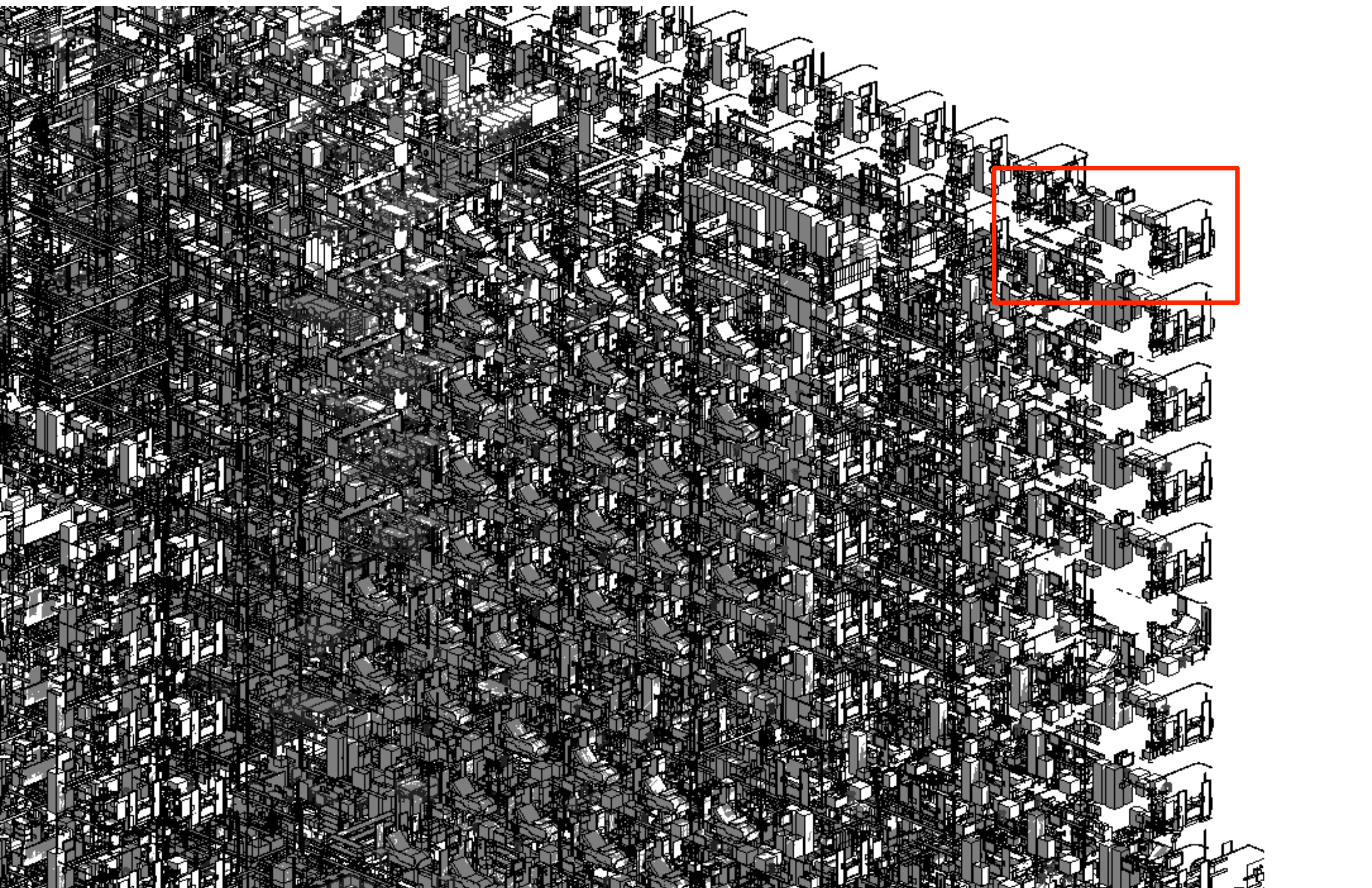
Departmental exemplars

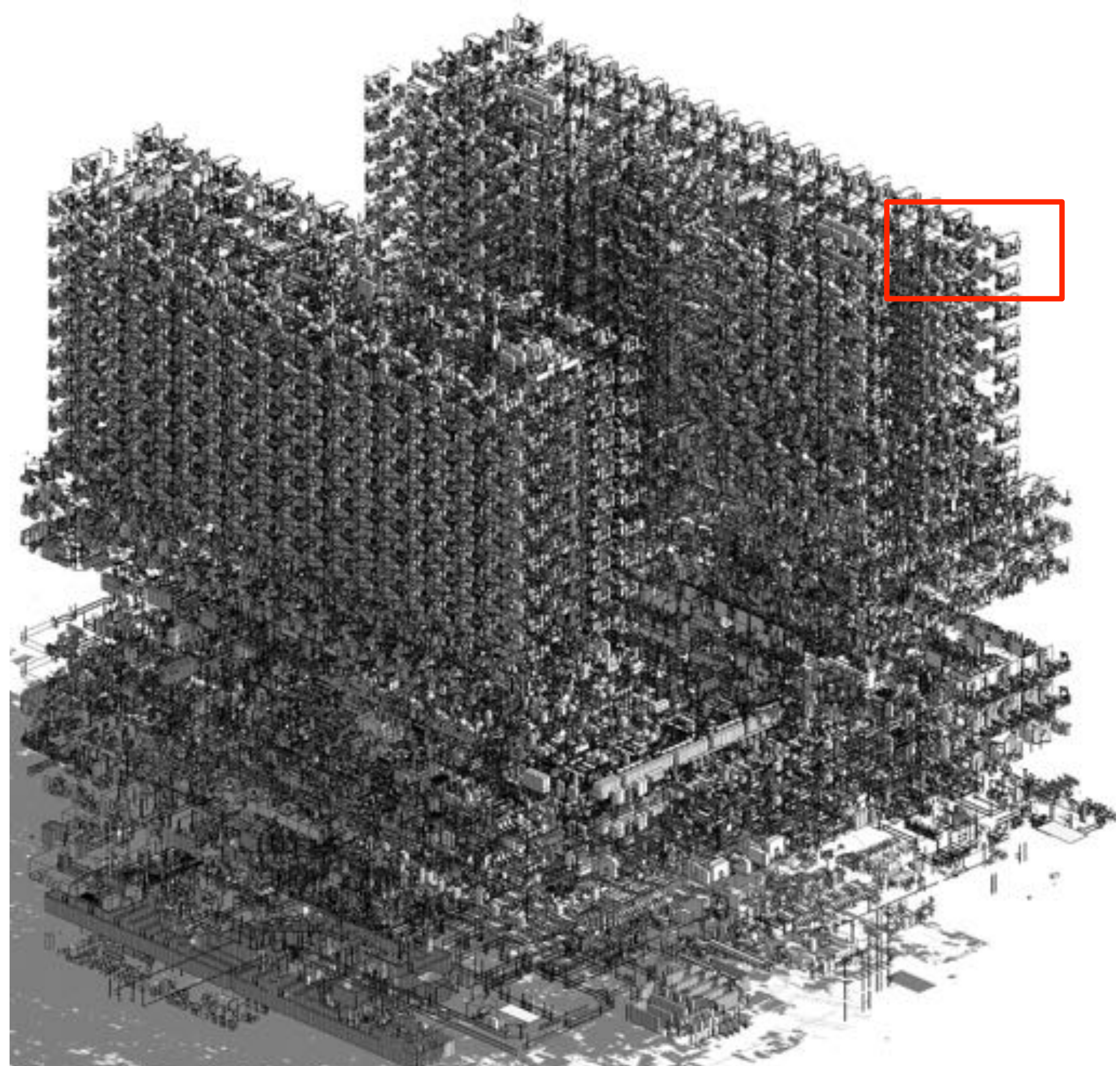


One-offs











CHUM

1,000,000
SF OF CURTAIN WALL

200,000+
PIECES OF EQUIPMENT

100,000,000 M³
OF AIR CHANGES
PER HOUR



10,000

150,000 M³
OF CONCRETE
(60 OLYMPIC-SIZED POOLS!)

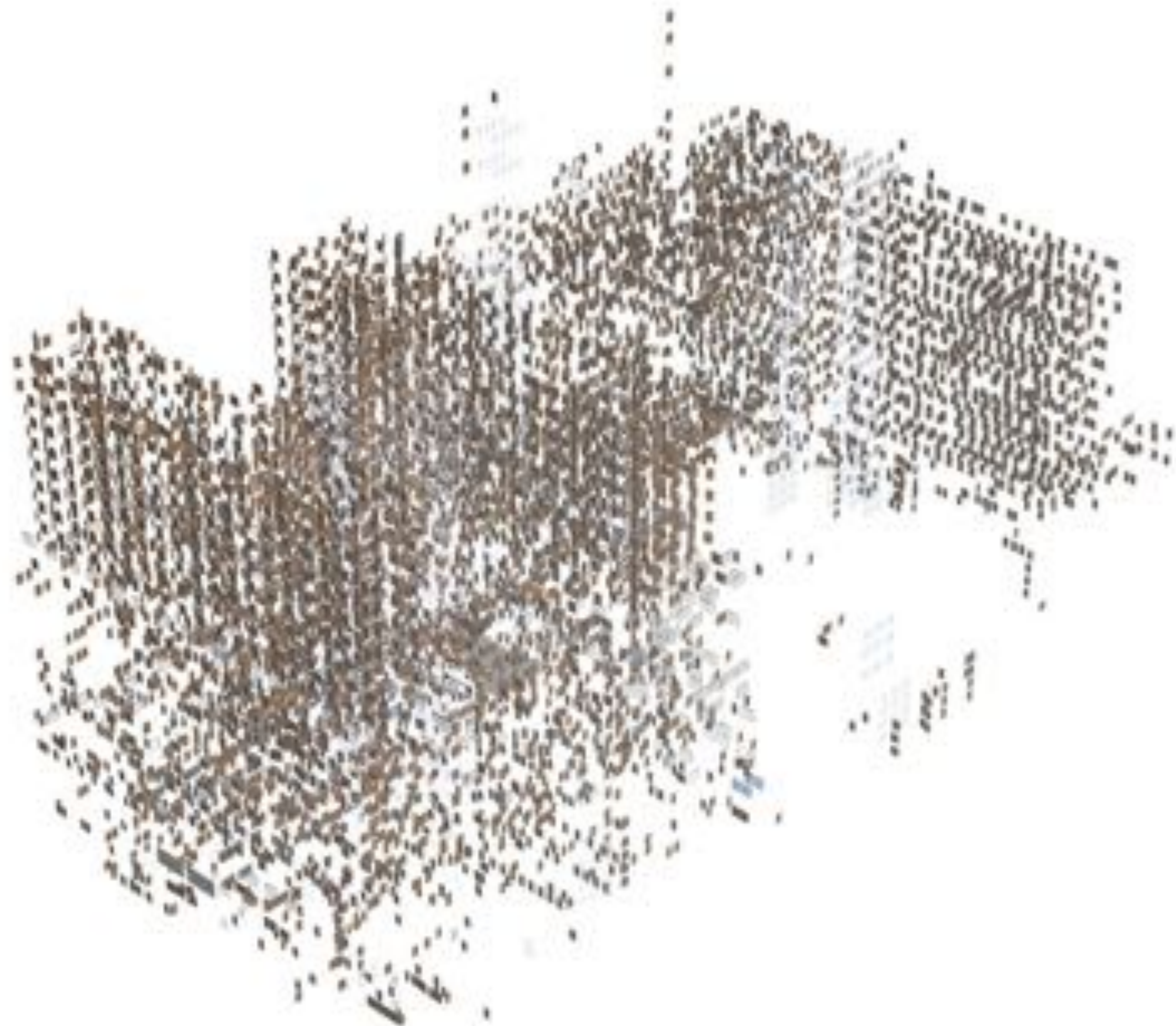
CHUM

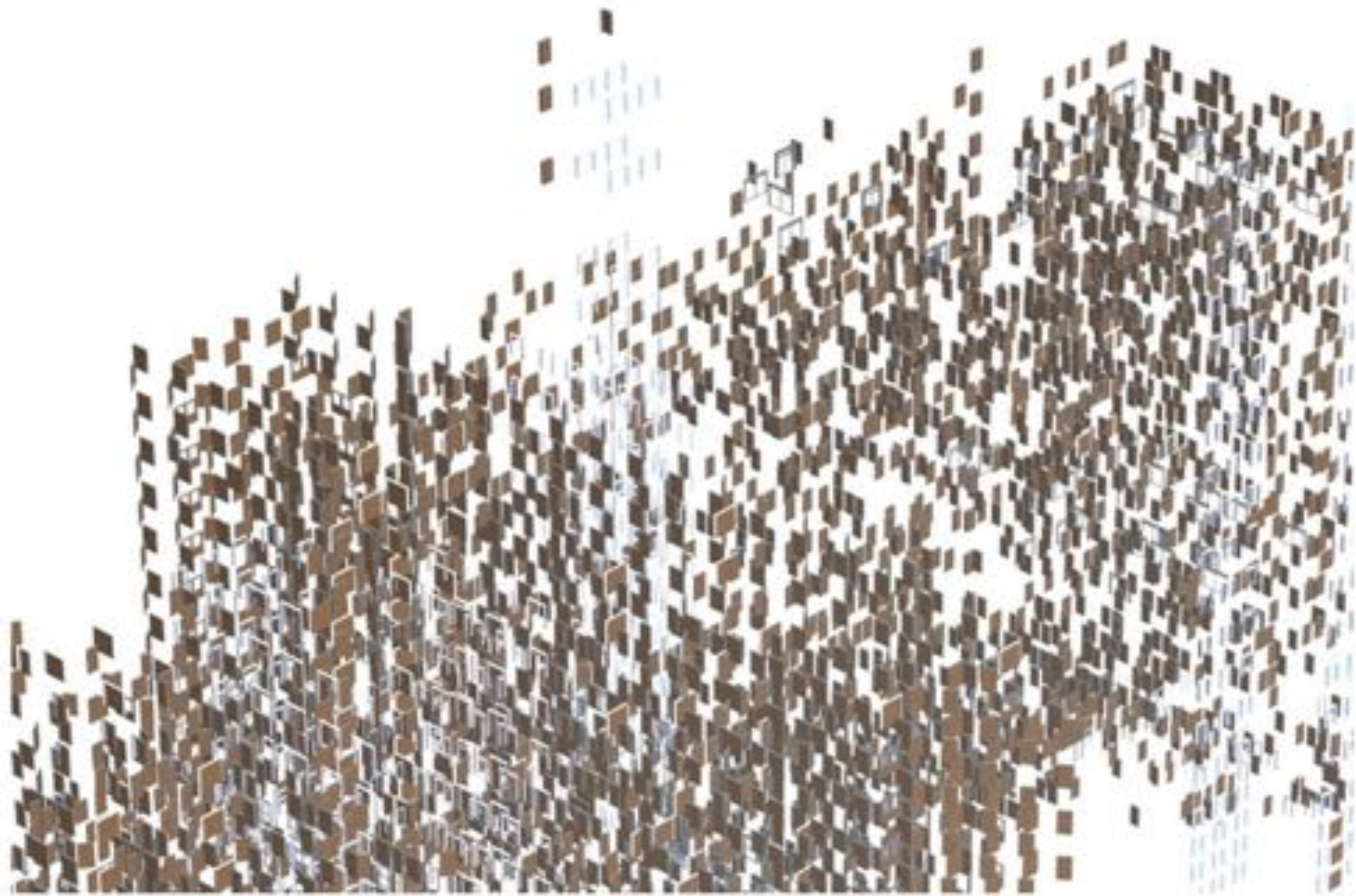
0

12,000
0

6,400 KM
REINFORCING STEEL
(HALIFAX-
VANCOUVER!)

12,500
SMOKE
DETECTORS
ROOMS







































CANNONDESIGN NEUF 

ARCHITECT(E)S