

INNOVEEM

*continuing Katoenveem
moving towards making innovation*

CONTENTS

moving towards

making innovation

urban context

built ensemble

building

human scale





























MONUMENT

Why is the Katoenveem a monument?



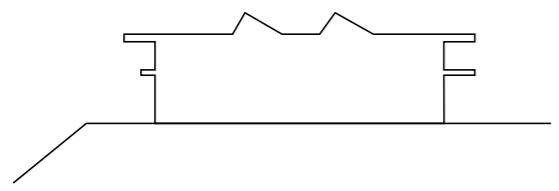
MONUMENT

'The concrete Warehouse 'Katoenveem' with pumpstation, built in 1920 according to a functional design of J.J. Kanters, is of significance because of the **CULTURAL HISTORICAL, ARCHITECTONIC HISTORICAL, TYPOLOGIC** and **BUILDING HISTORICAL** value and in addition of significance with the **(WAREHOUSE)OEUVRE** of the architect J.J. Kanters.'

Monumentdescription Katoenveem



KATOENVEEM



EXISTING
context & monument



WHY!
argument



HOW?
method



DESIGN
location & object

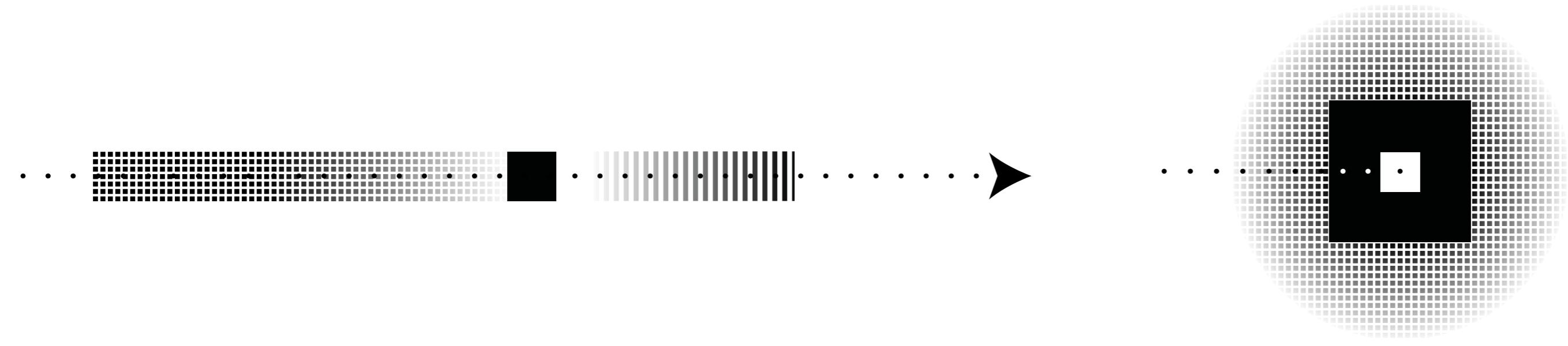
*'In its oldest and most original sense a monument is a work of man erected for the specific purpose of **KEEPING PARTICULAR HUMAN DEEDS OR DESTINIES** (or a complex accumulation thereof) **ALIVE** and **PRESENT IN THE CONSCIOUSNESS OF FUTURE GENERATIONS.**'*

Riegl, A. (1996). The Modern Cult of Monuments: Its Essence and Its Development Historical and Philosophical Issues in the Conservation of Cultural Heritage: Getty Publications.



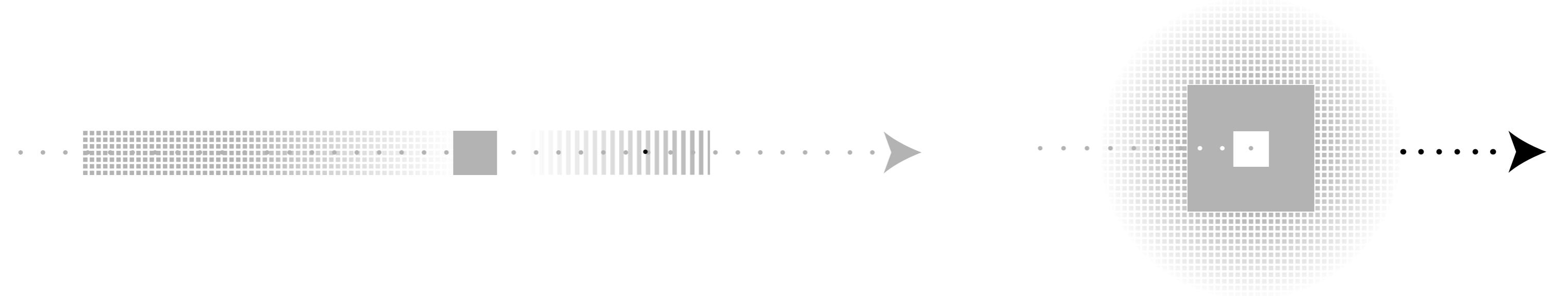
PAST ACTIVITY

sequence of combined activities occurred in the past

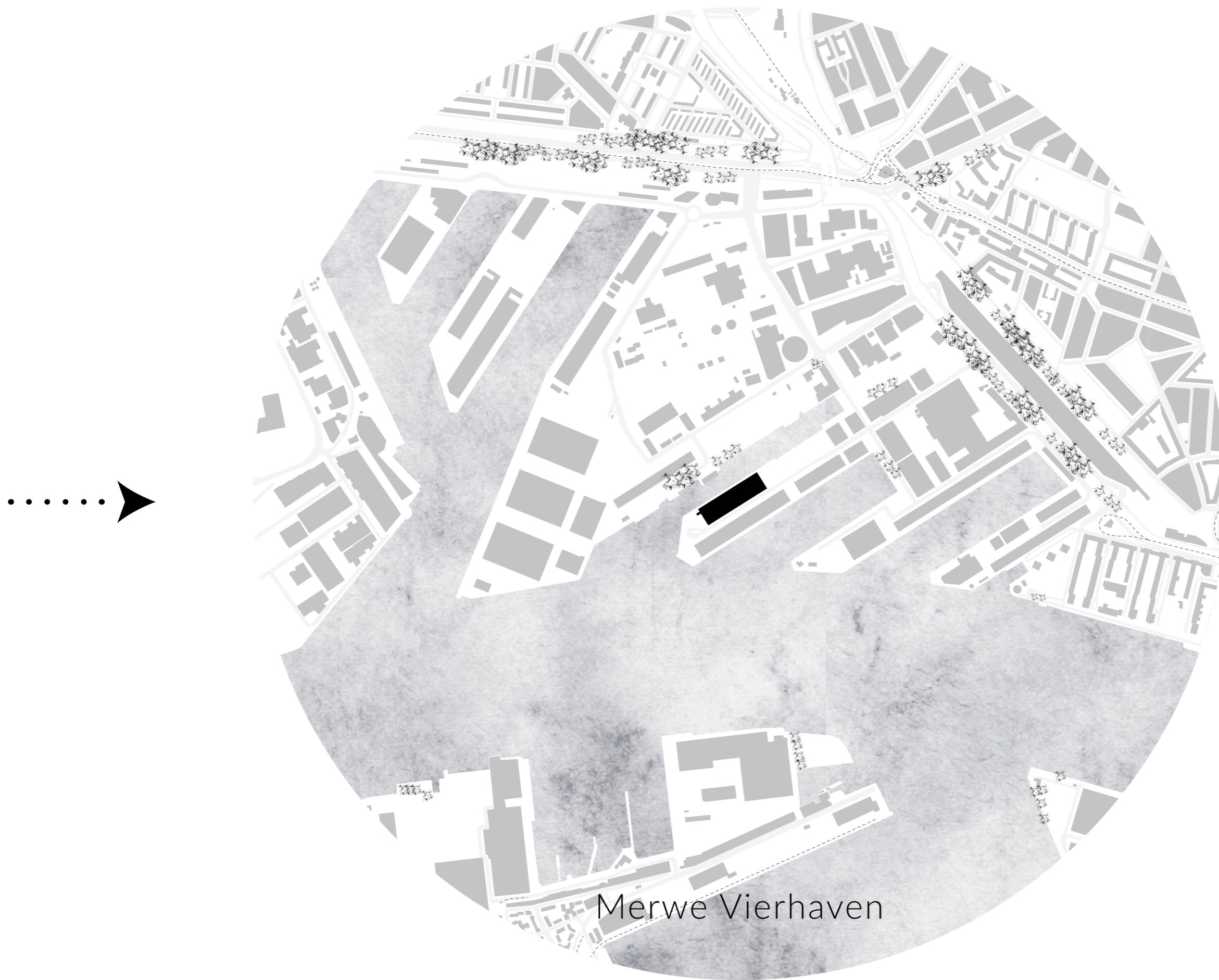


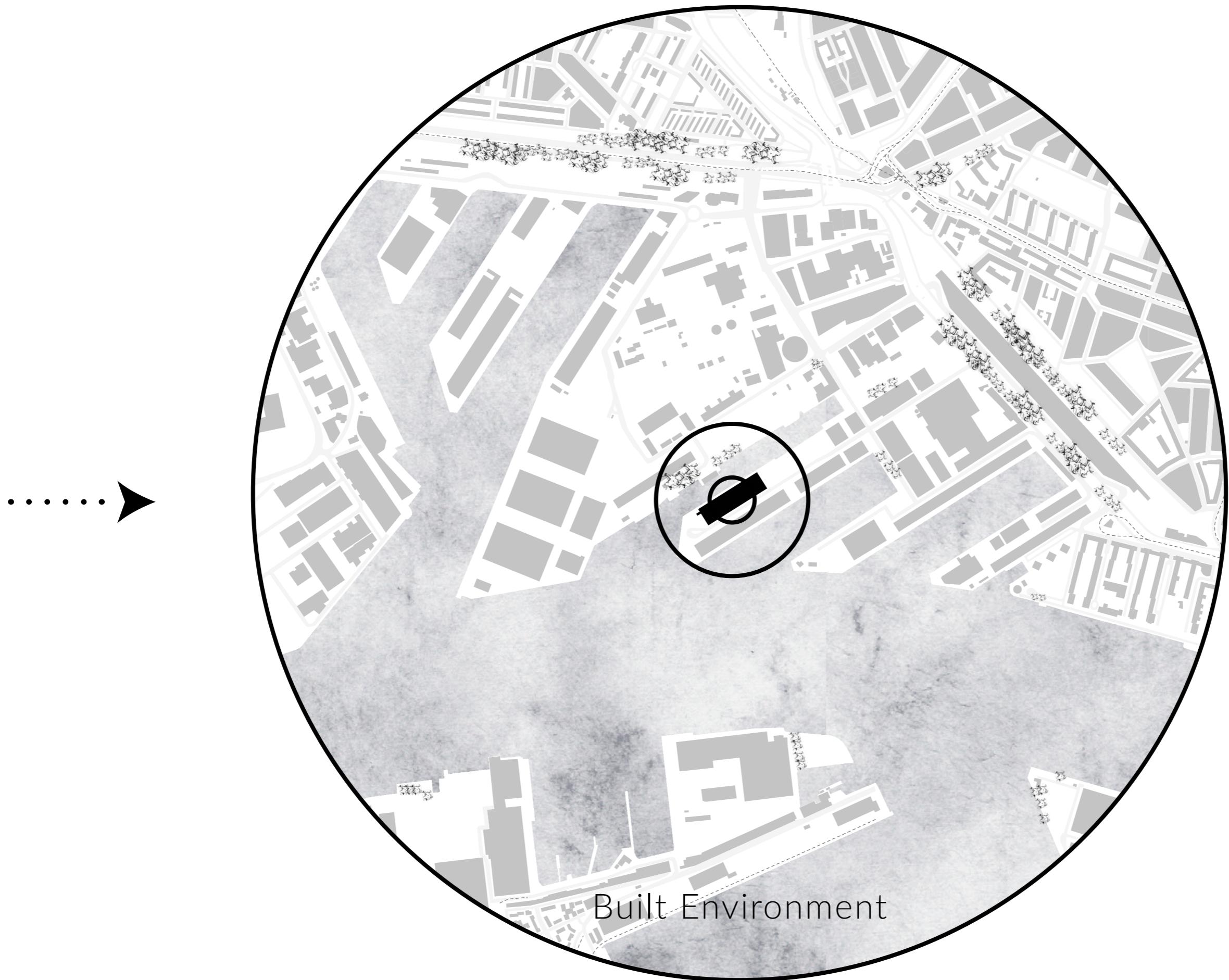
CURRENT ENERGY

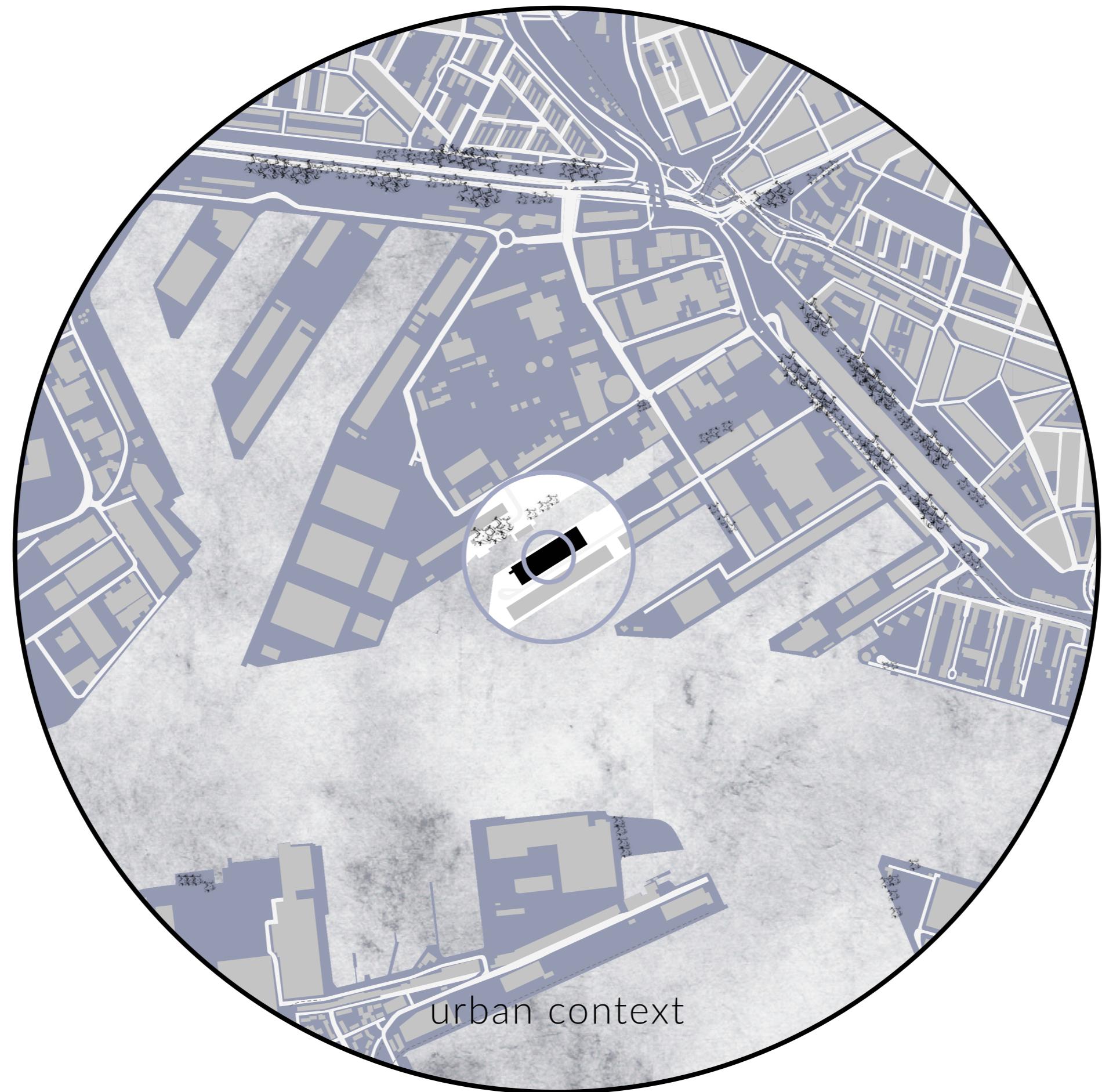
original vital factors present to keep life in something, someone or someplace



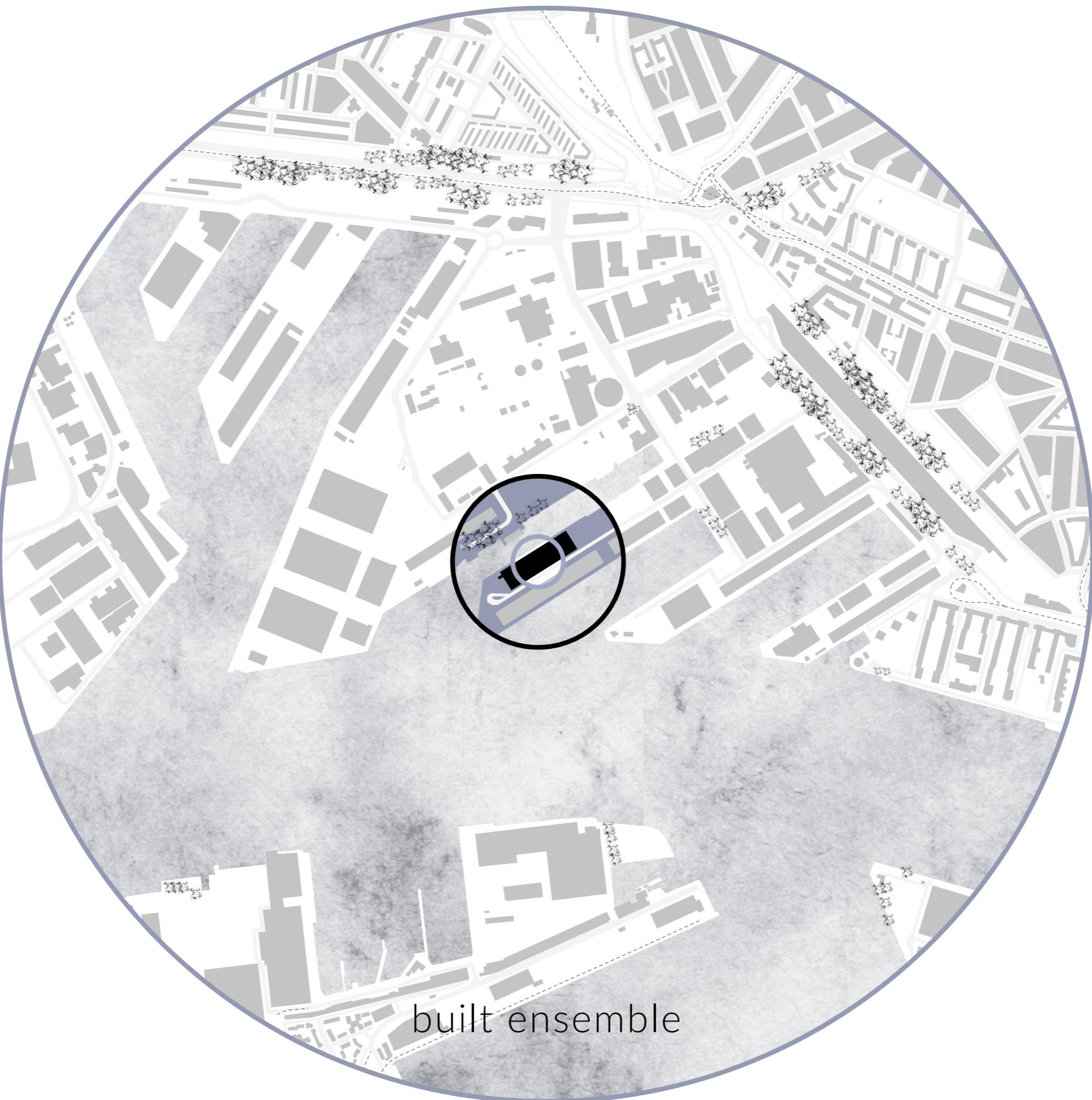
CONTINUATION
to extend the past activities and current energies



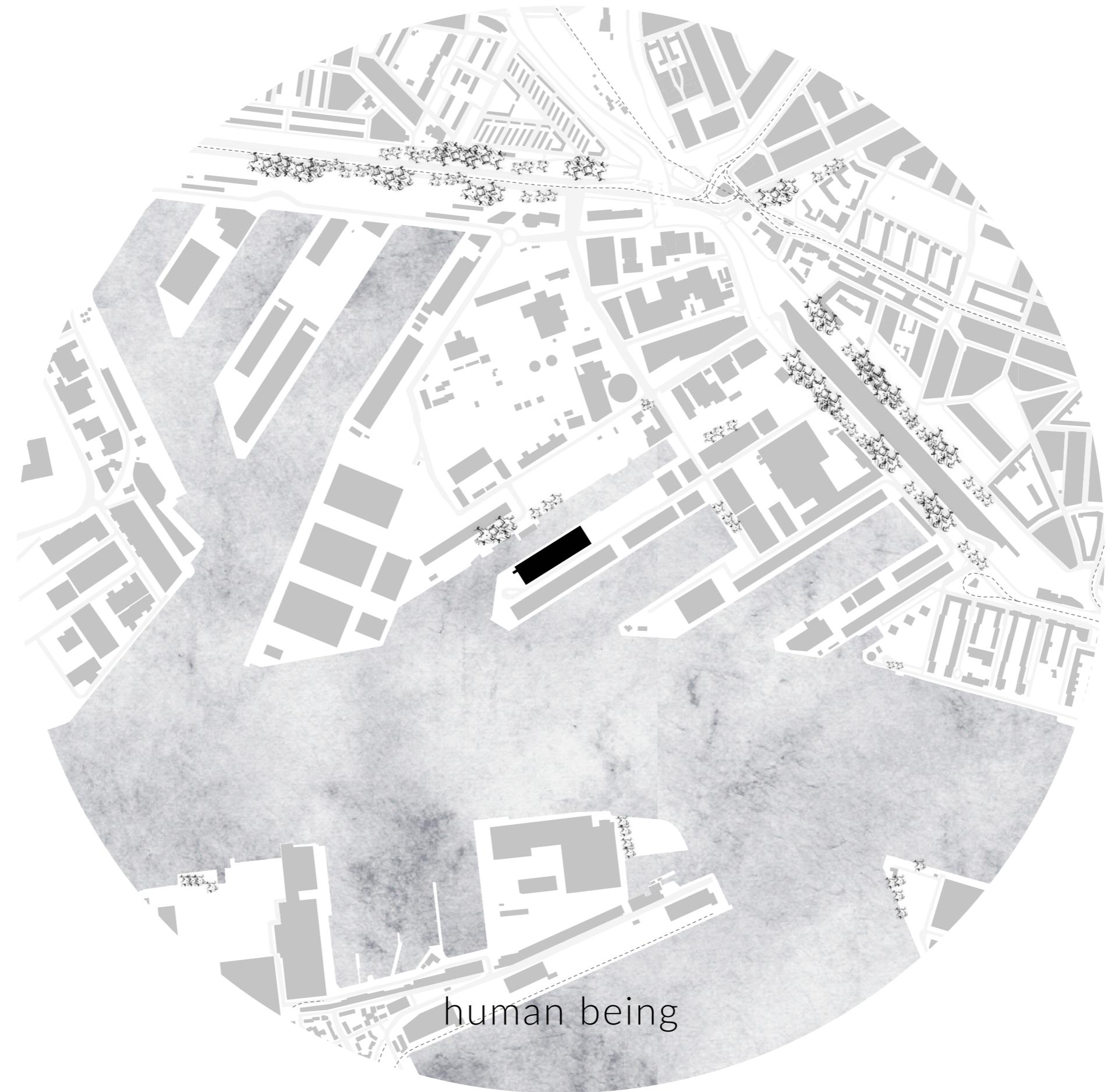




urban context







human being



moving towards



movement = to activate



moving = to active



movement = to activate



moving = active



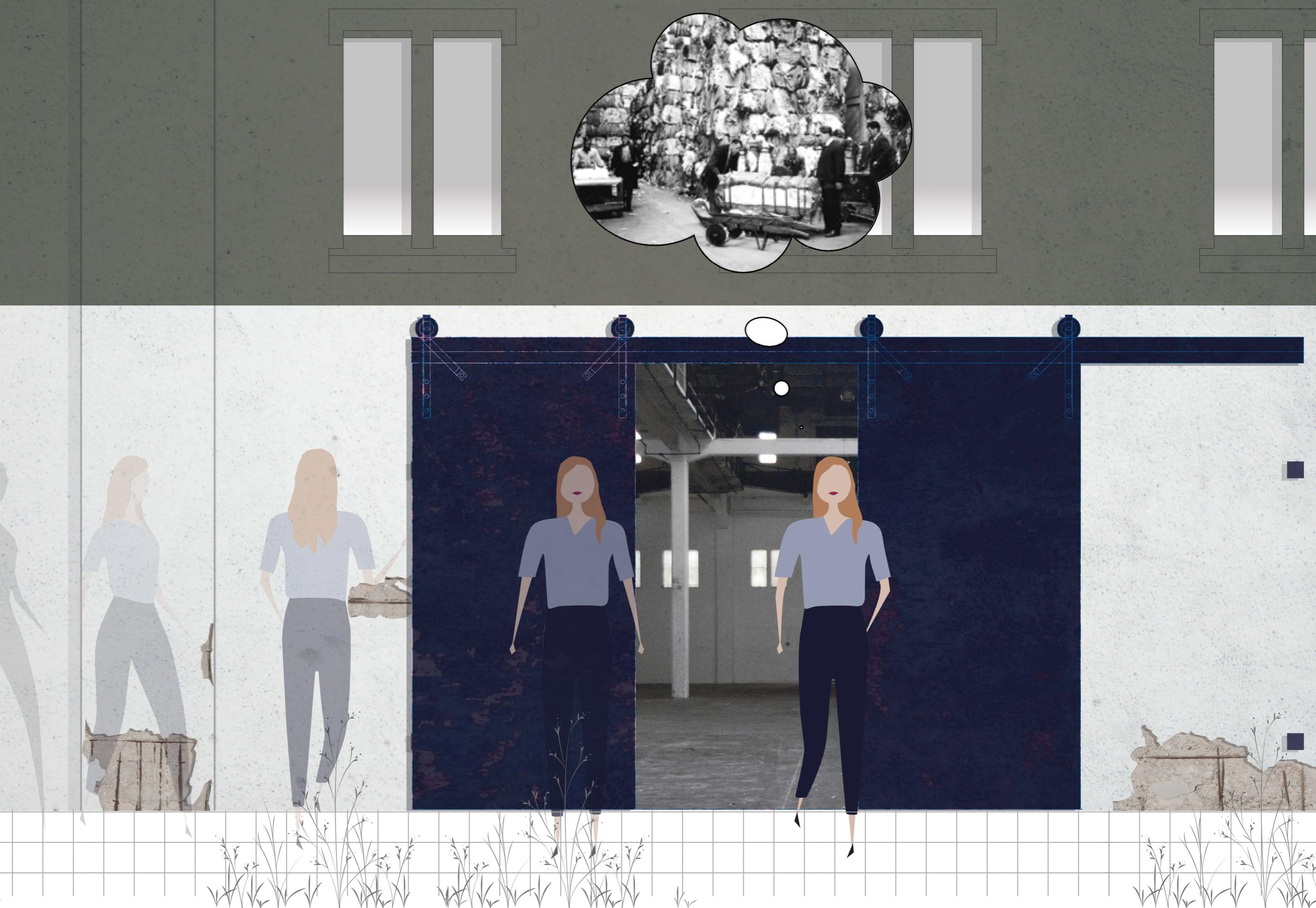
movement = to activate



moving = active



movement = to activate



moving = active



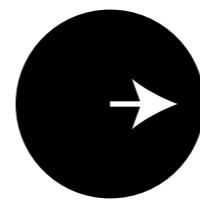
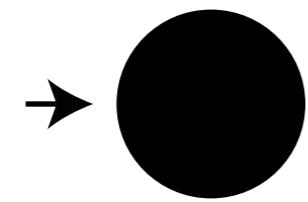
moving = active



moving = active

MOVING TOWARDS

move . activation

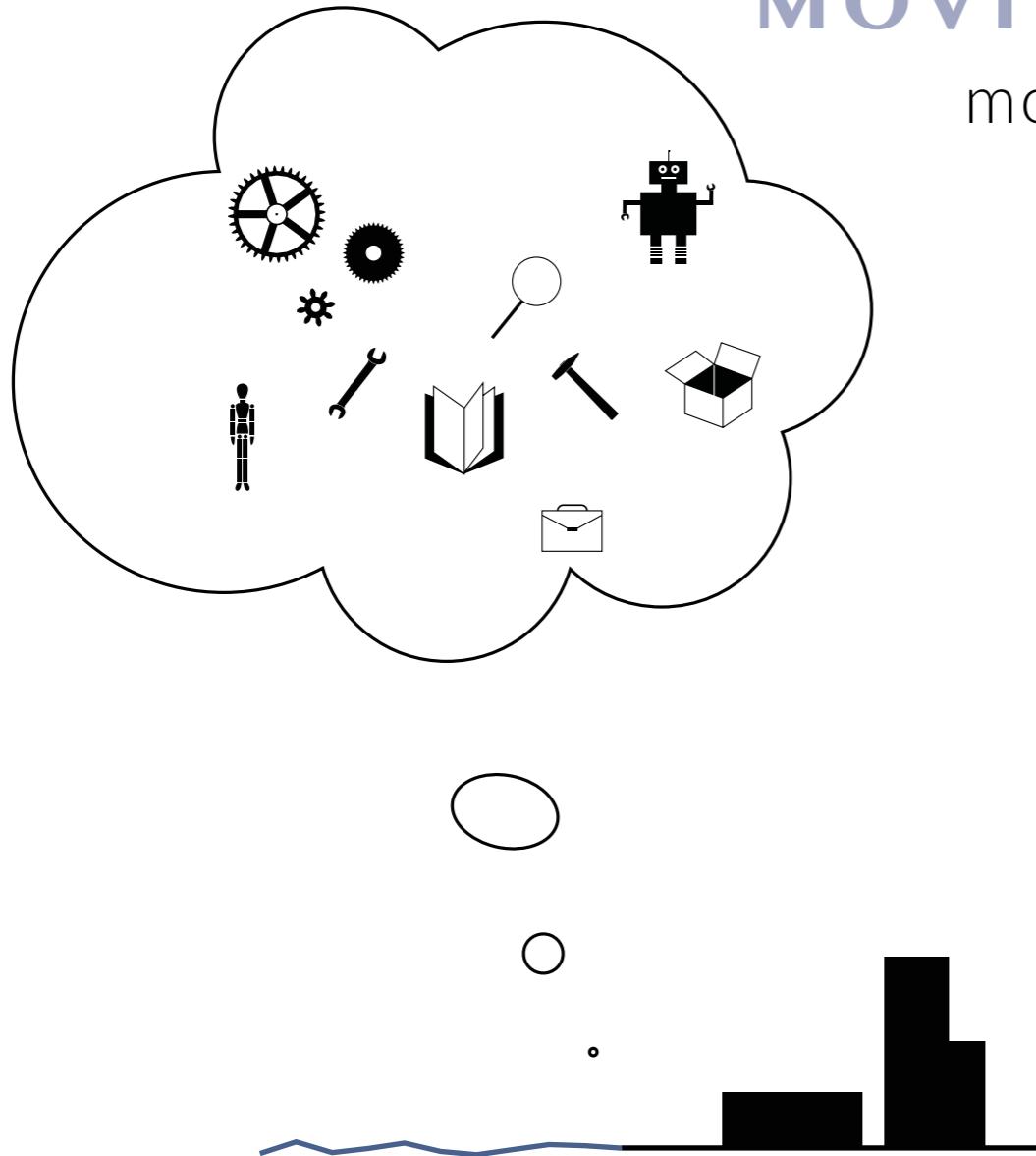


MOVEMENT
TO ACTIVATE

MOVING
ACTIVE

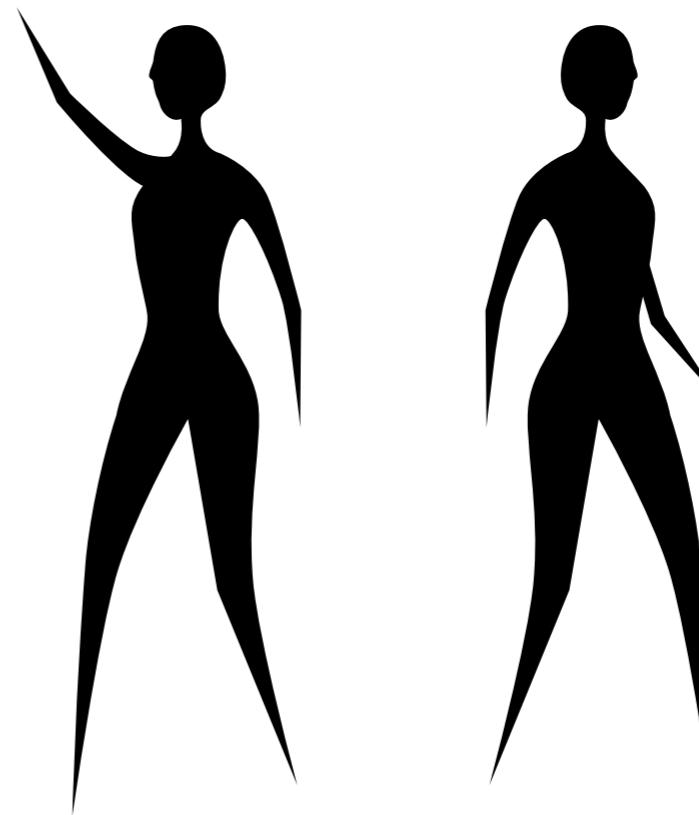
MOVING TOWARDS

move . activation



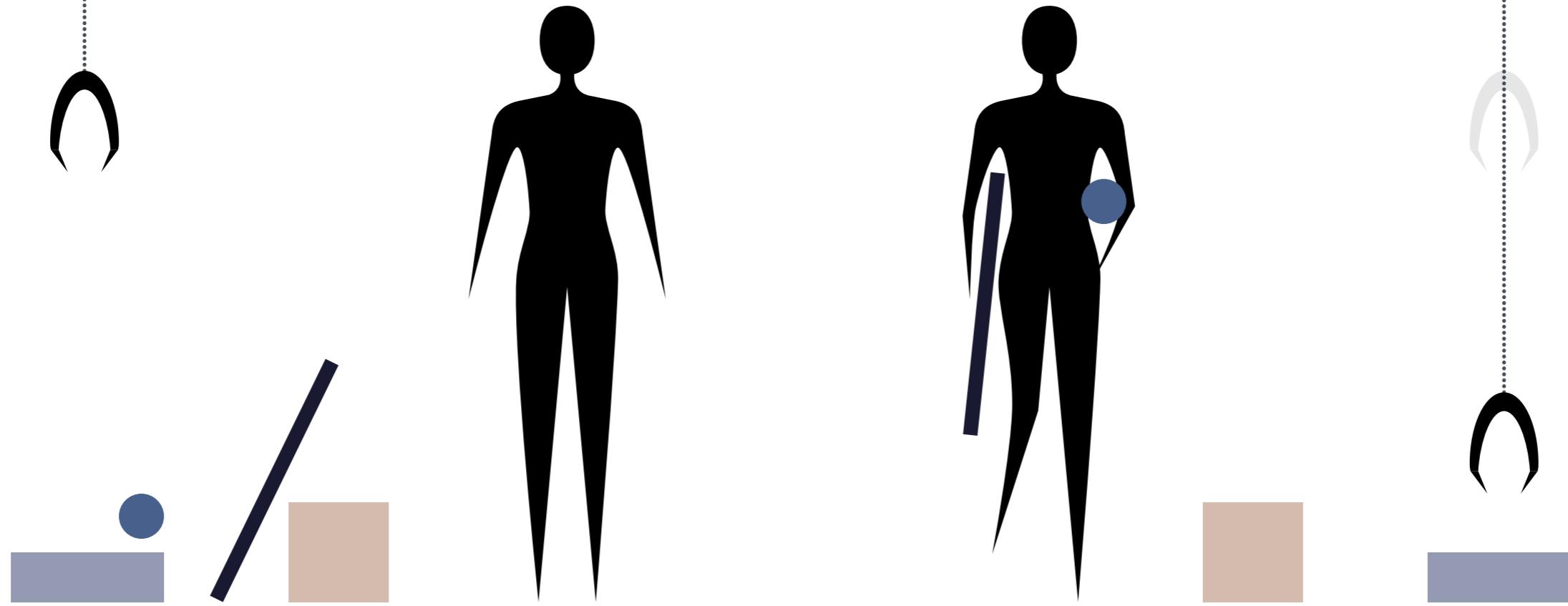
MOVEMENT
DEVELOPMENT

MOVING
MANIFESTATION



MOVING TOWARDS

move . activation



MOVEMENT
STATICS

MOVING
DYNAMICS

MOVING TOWARDS

move . activation



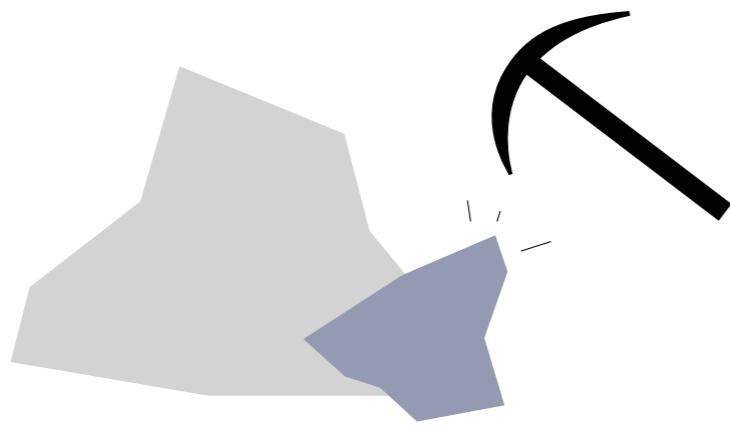
MOVEMENT
ORGANISATION



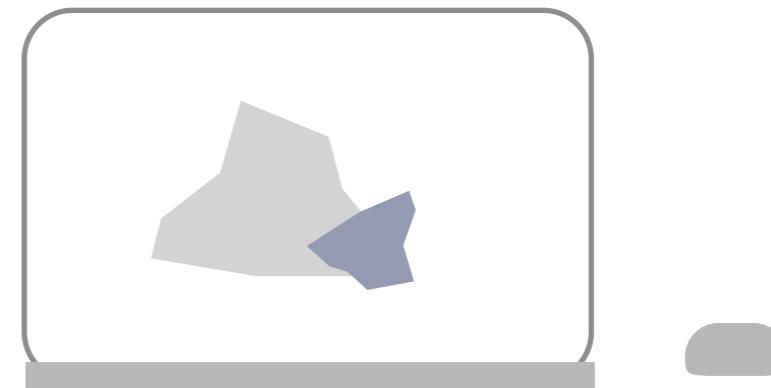
MOVING
FUNCTIONALITY

MOVING TOWARDS

move . activation



MOVEMENT
TRADITION



MOVING
INNOVATION



What incorporates moving people in the movement of Katoenveem
as monument listed architecture in the Harbor of Rotterdam?'

A wide-angle photograph of a port or industrial area at sunset. The sky is a warm orange and yellow gradient. In the foreground, there's a dark, flat expanse, likely water or a paved area. The background is filled with the silhouettes of numerous industrial cranes and shipping containers, all standing still against the bright sky.

INNOVEEM

*continuing Katoenveem
moving towards making innovation*

URBAN CONTEXT

historic setting . expanding city



1870



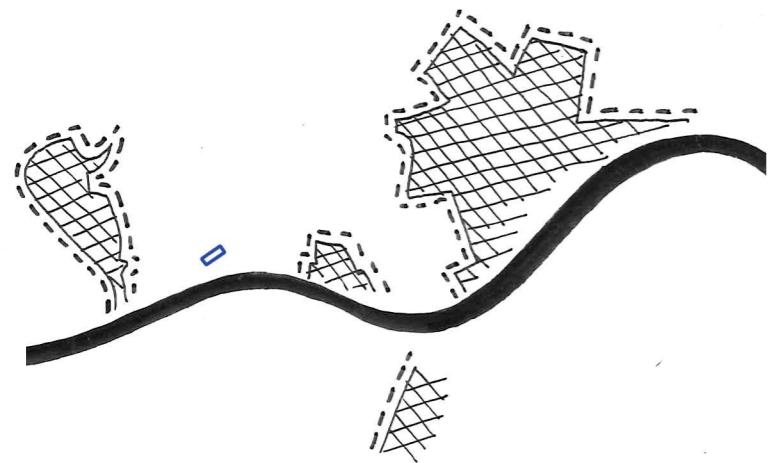
1940



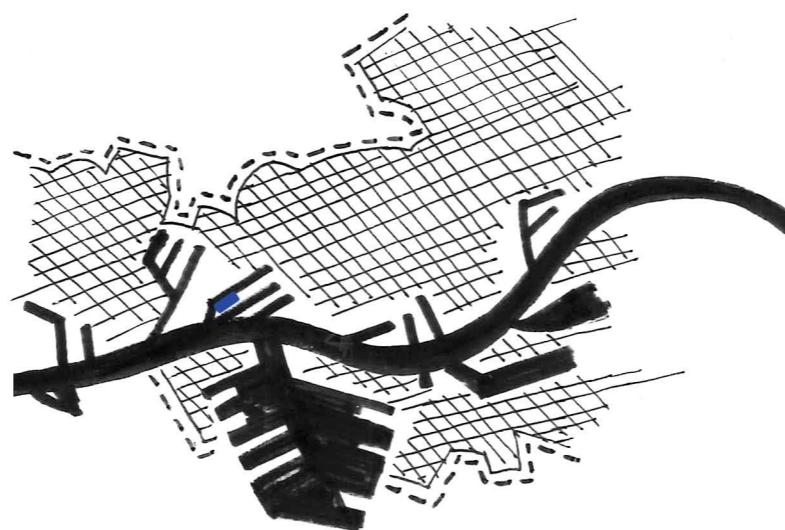
1970

URBAN CONTEXT

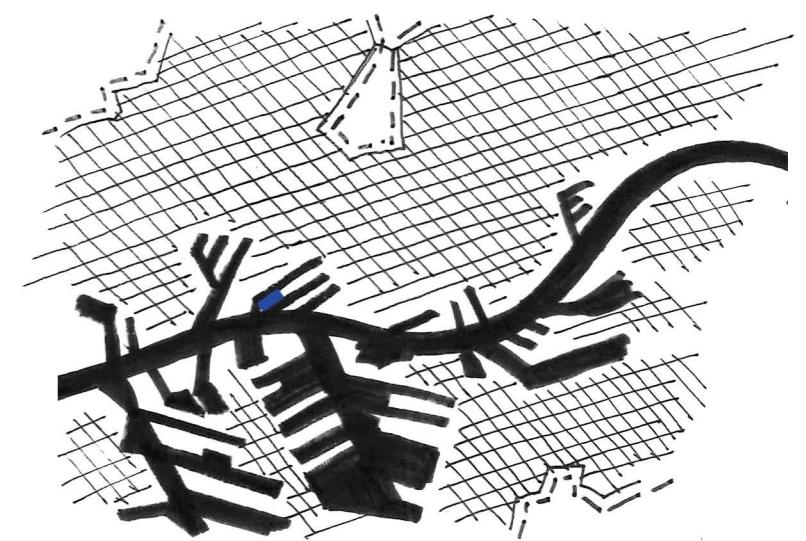
historic setting . expanding city



1870



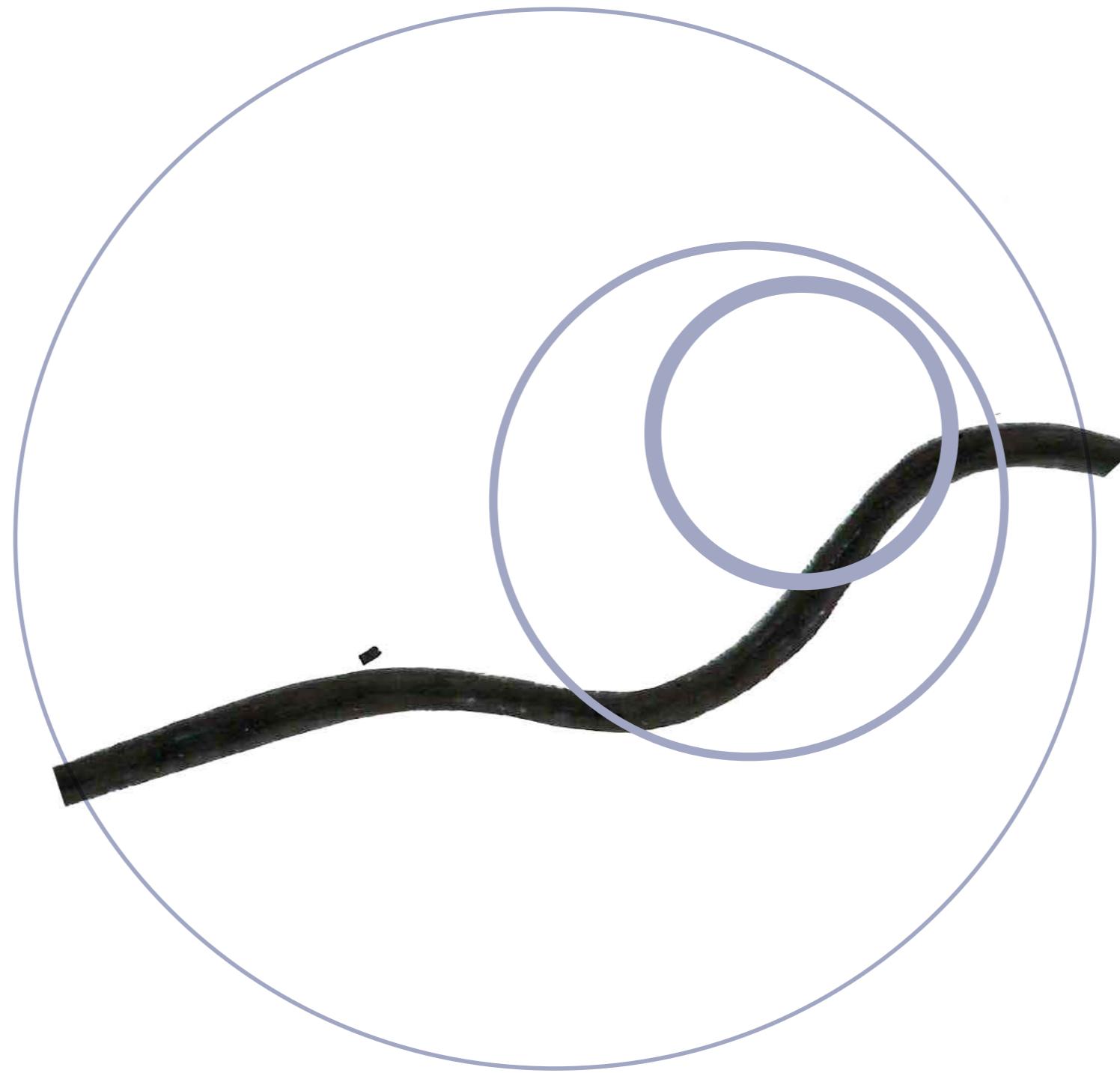
1940



1970

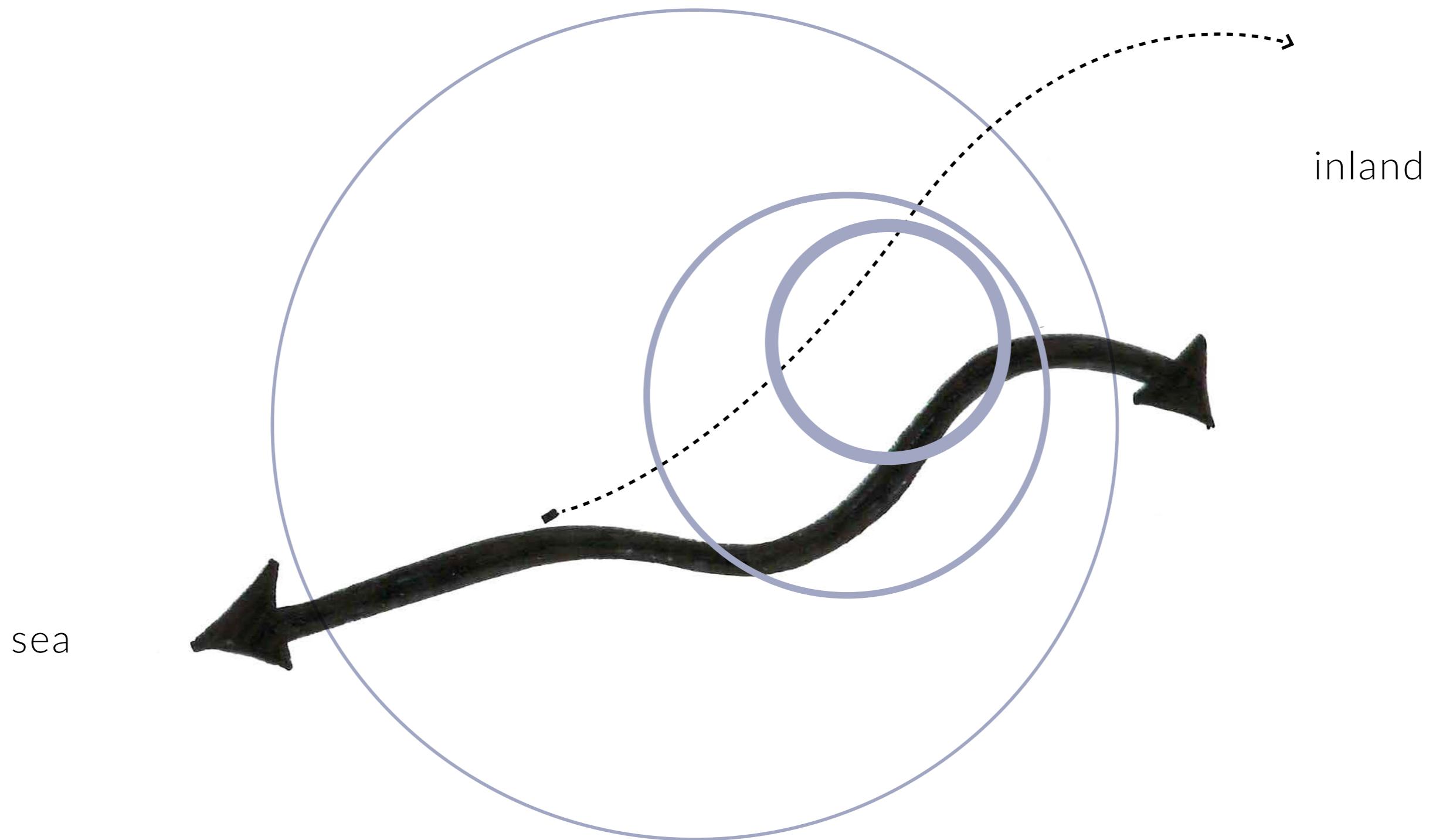
URBAN CONTEXT

historic setting . expanding city



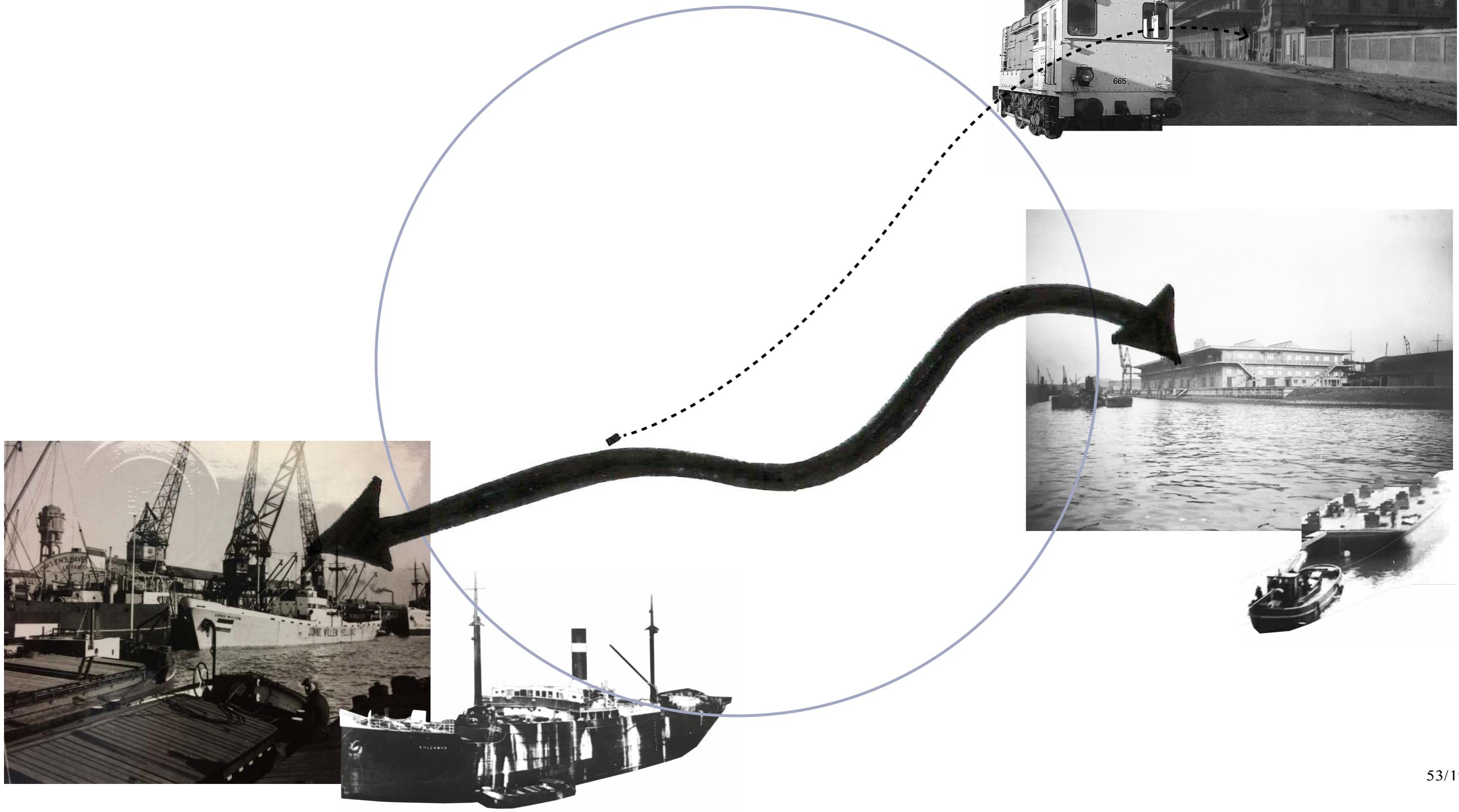
URBAN CONTEXT

historic setting . transport system



URBAN CONTEXT

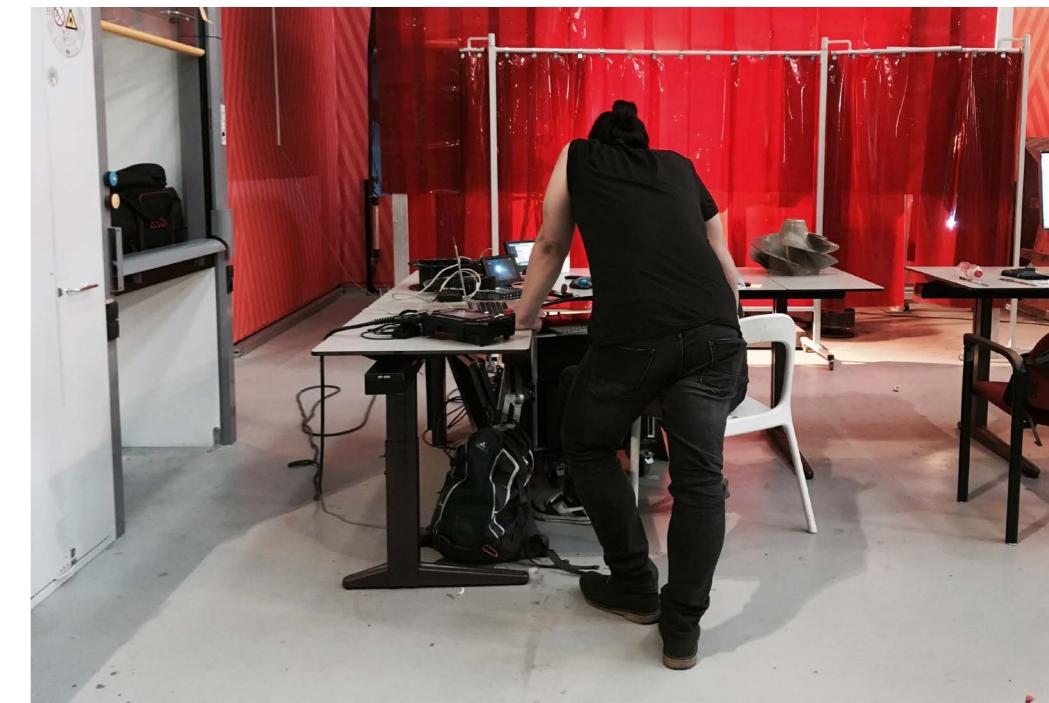
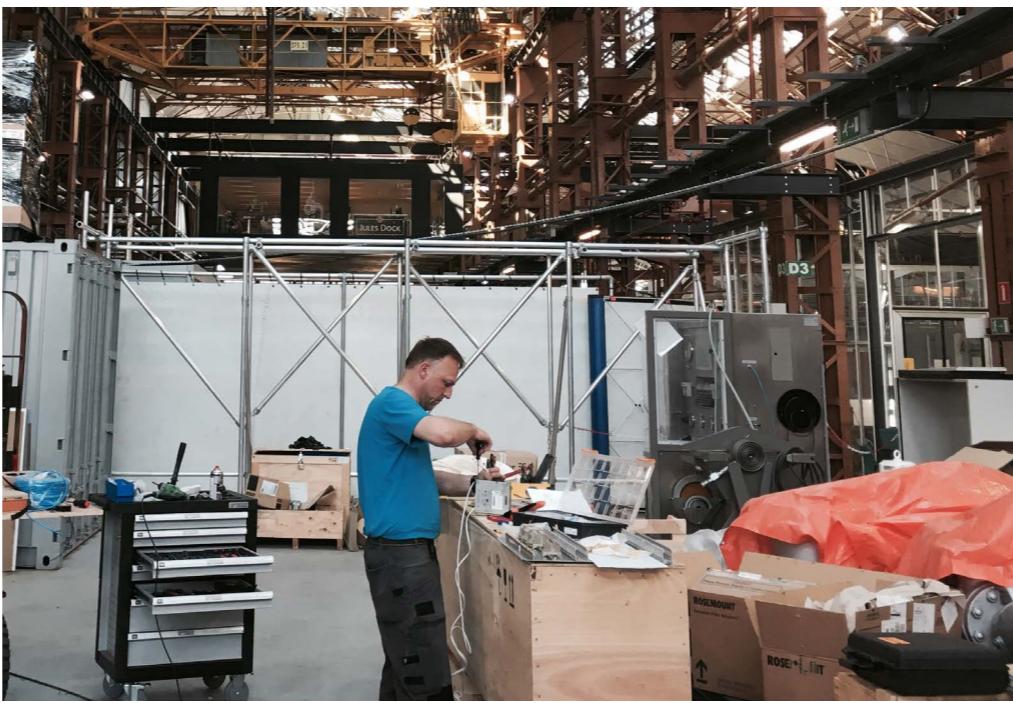
historic setting . transport system





URBAN CONTEXT

present situation . Stadshavens



URBAN CONTEXT

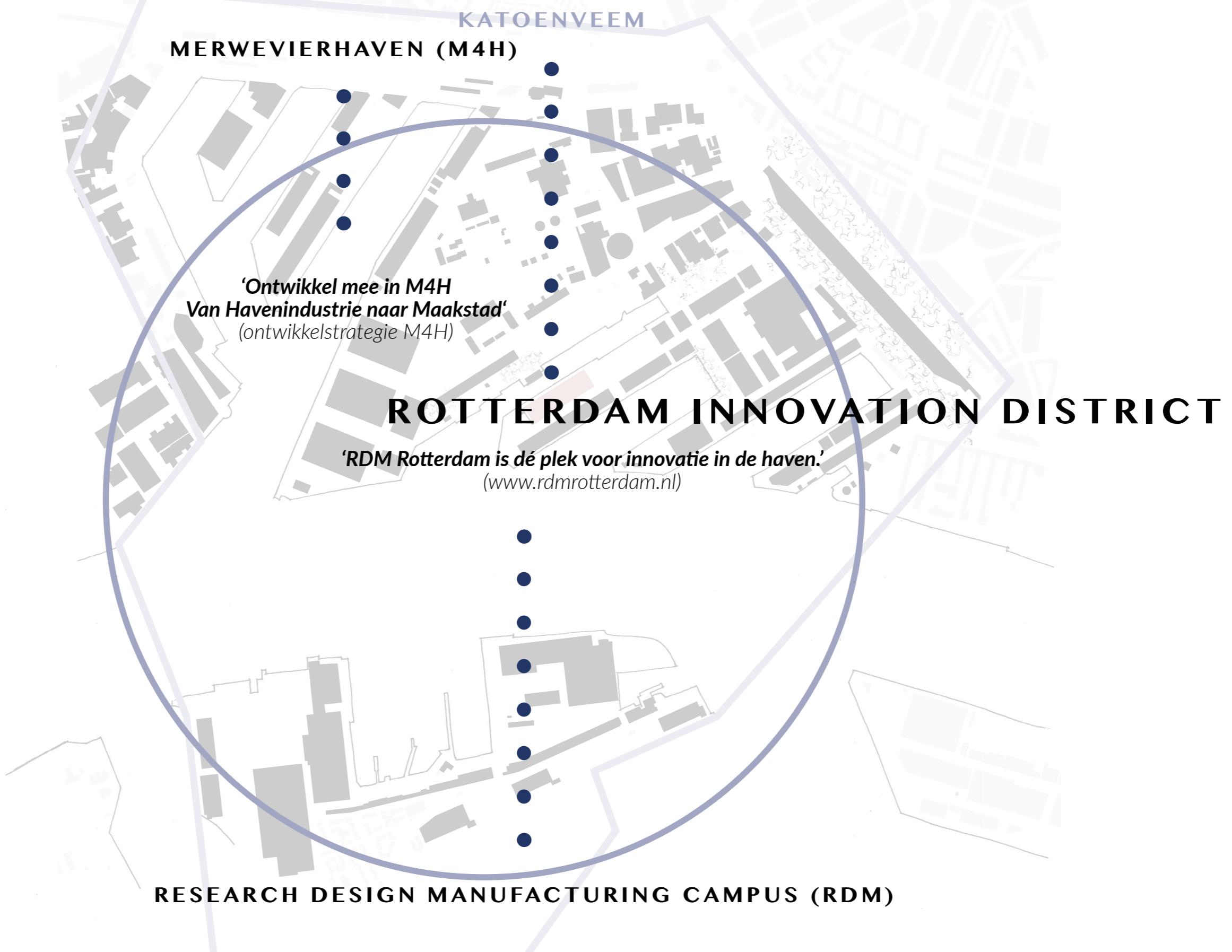
present situation . Stadshavens

MERWEVIERHAVEN (M4H)

RESEARCH DESIGN MANUFACTURING CAMPUS (RDM)

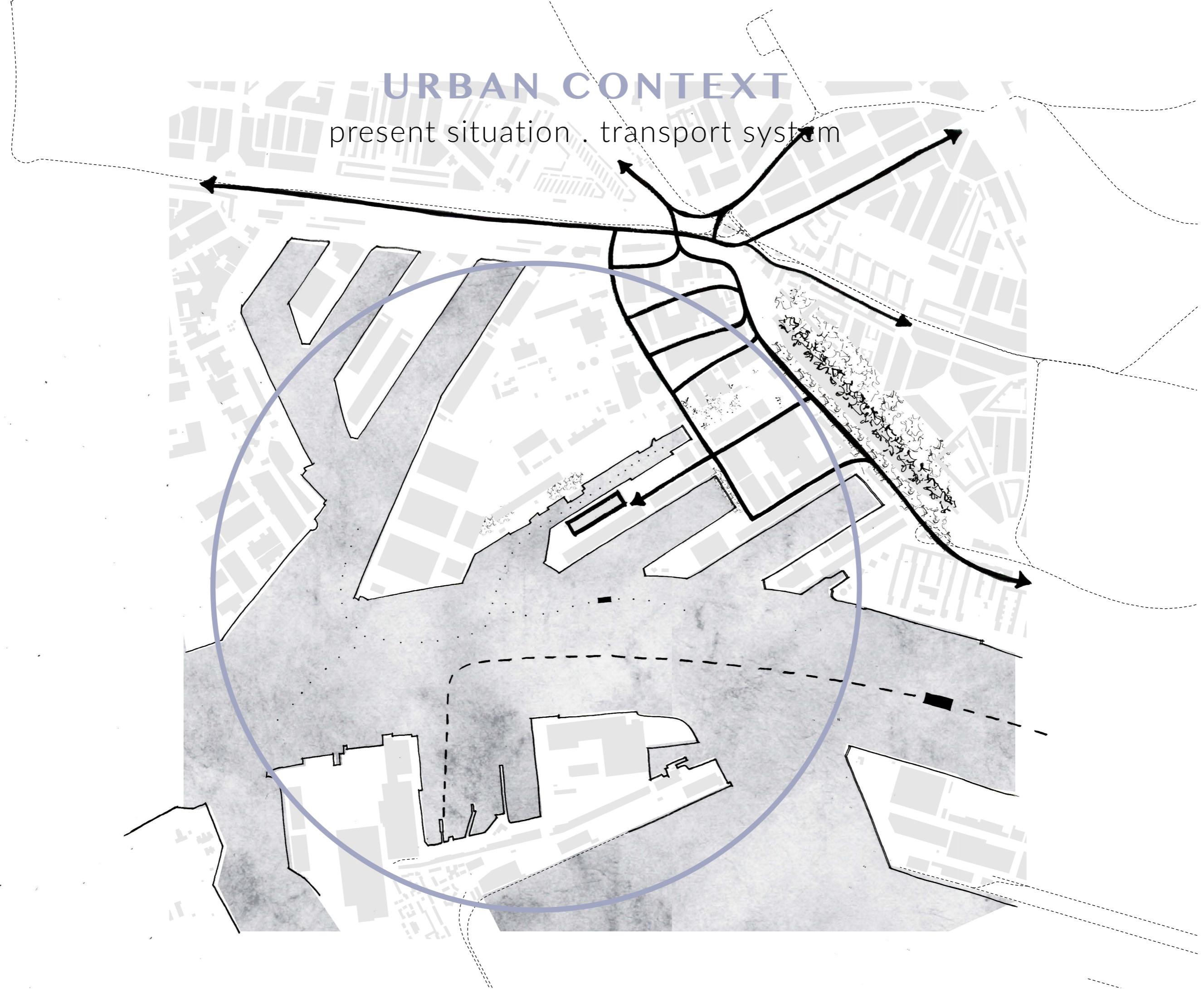
URBAN CONTEXT

present situation . Stadshavens



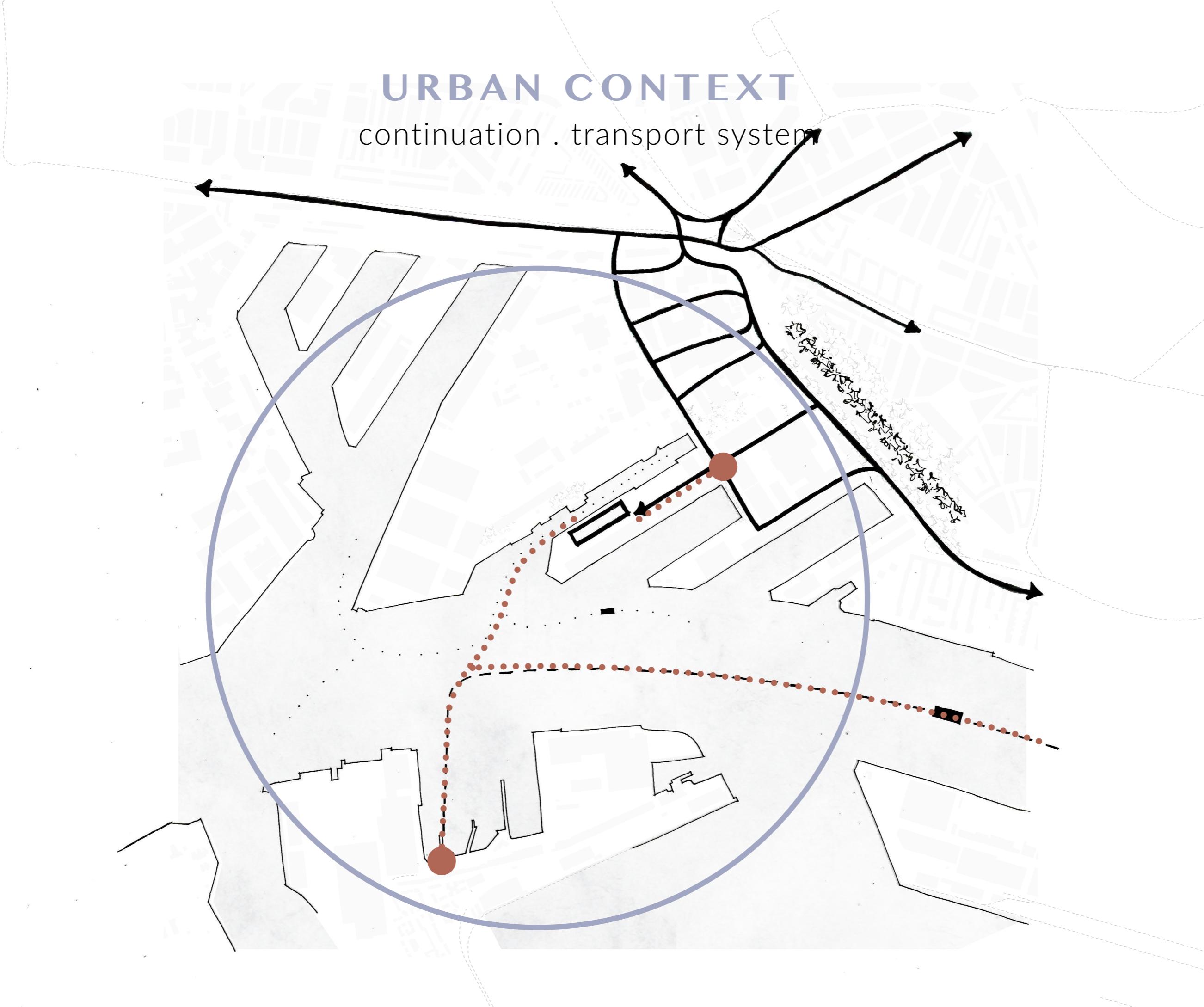
URBAN CONTEXT

present situation . transport system



URBAN CONTEXT

continuation . transport system



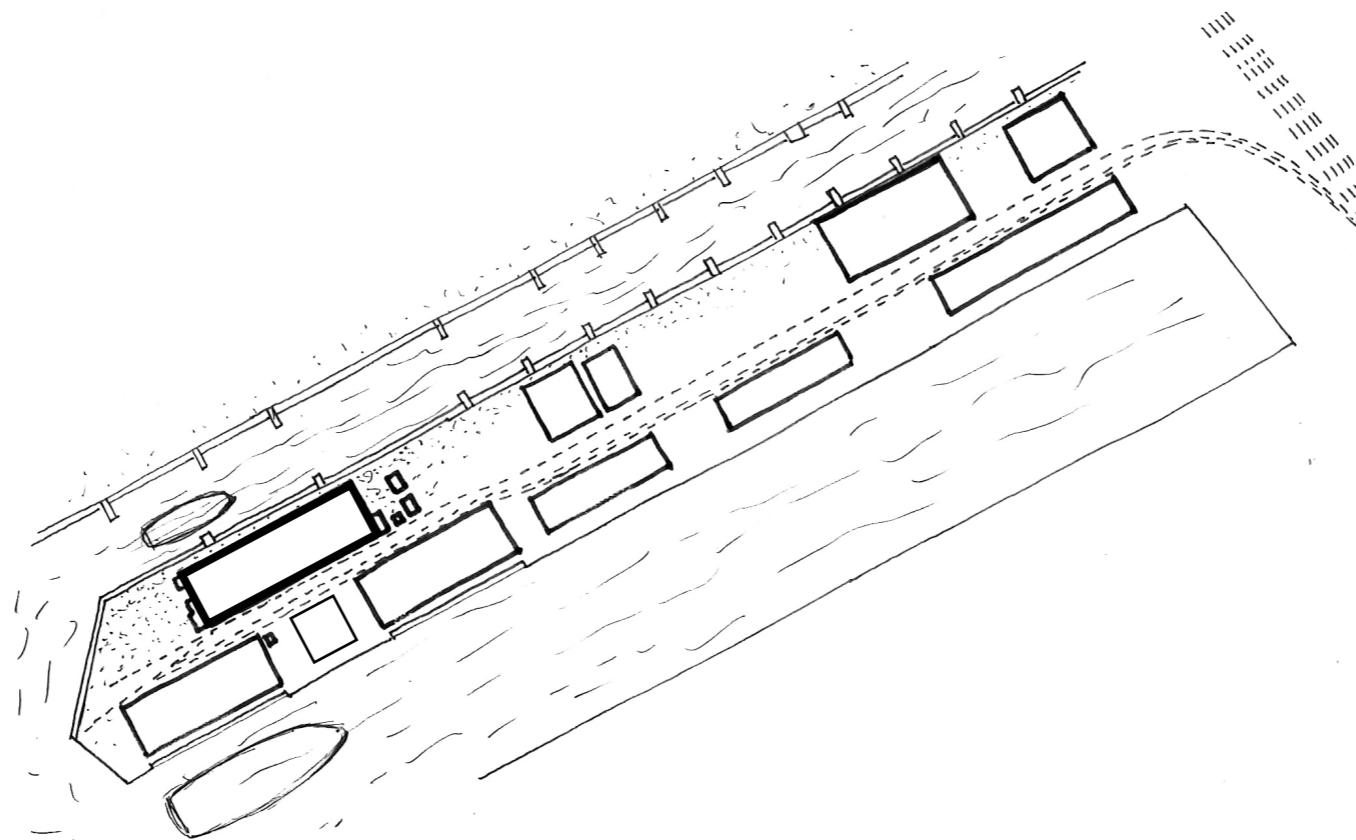
URBAN CONTEXT

continuation . transport system

MAKING INNOVATION

BUILT ENSEMBLE

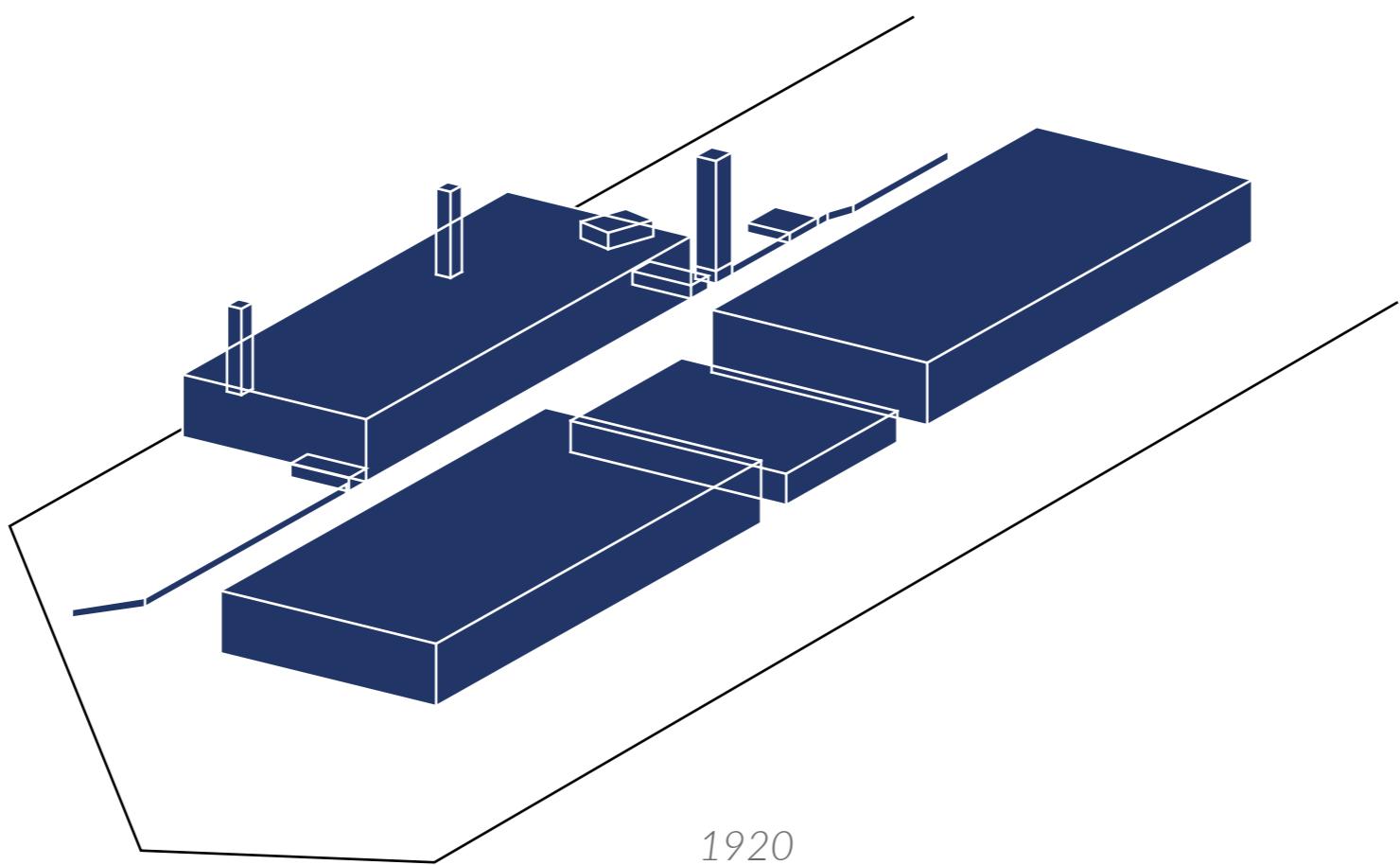
historic setting . trade ensemble



1922

BUILT ENSEMBLE

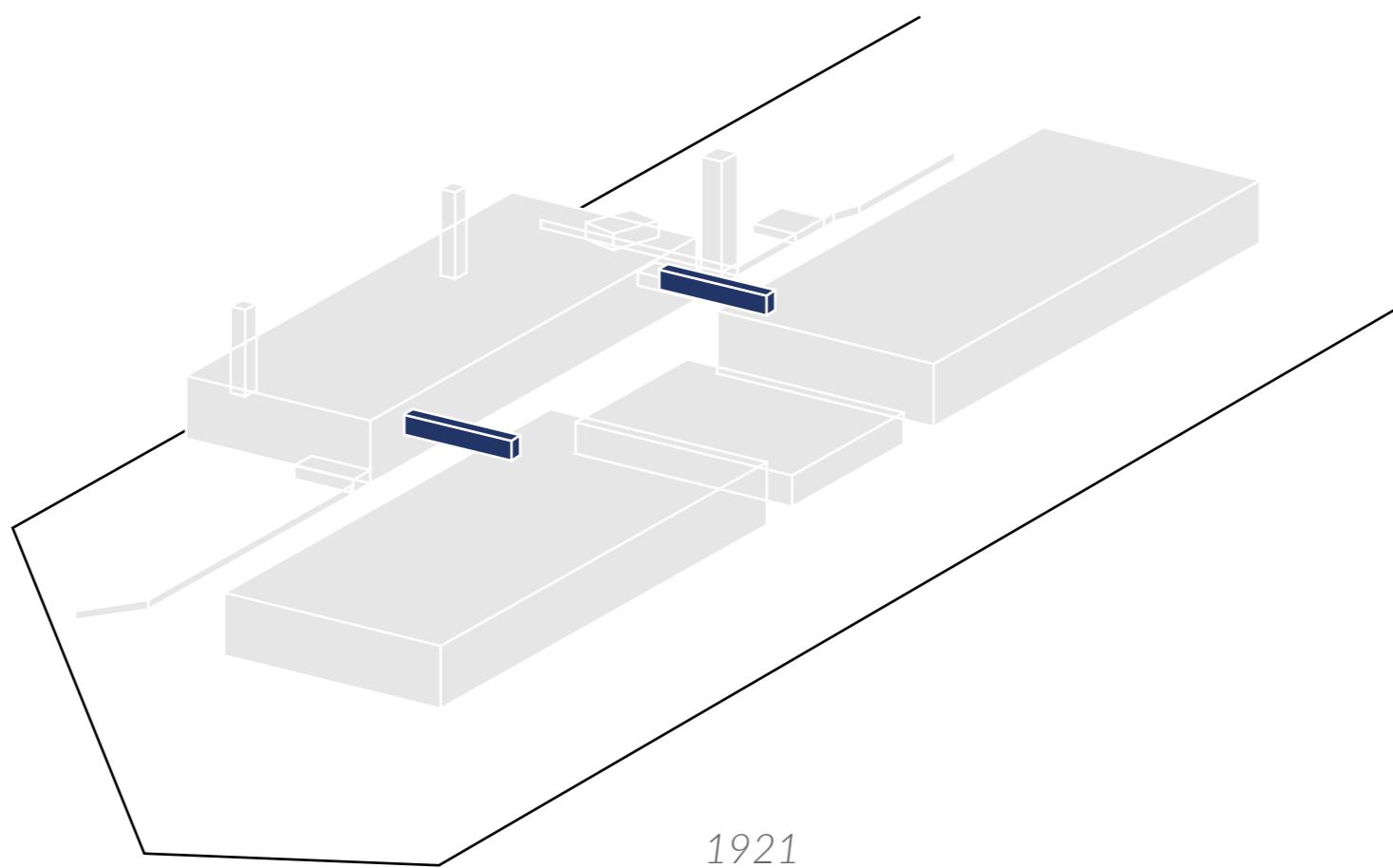
historic setting . trade ensemble



1920

BUILT ENSEMBLE

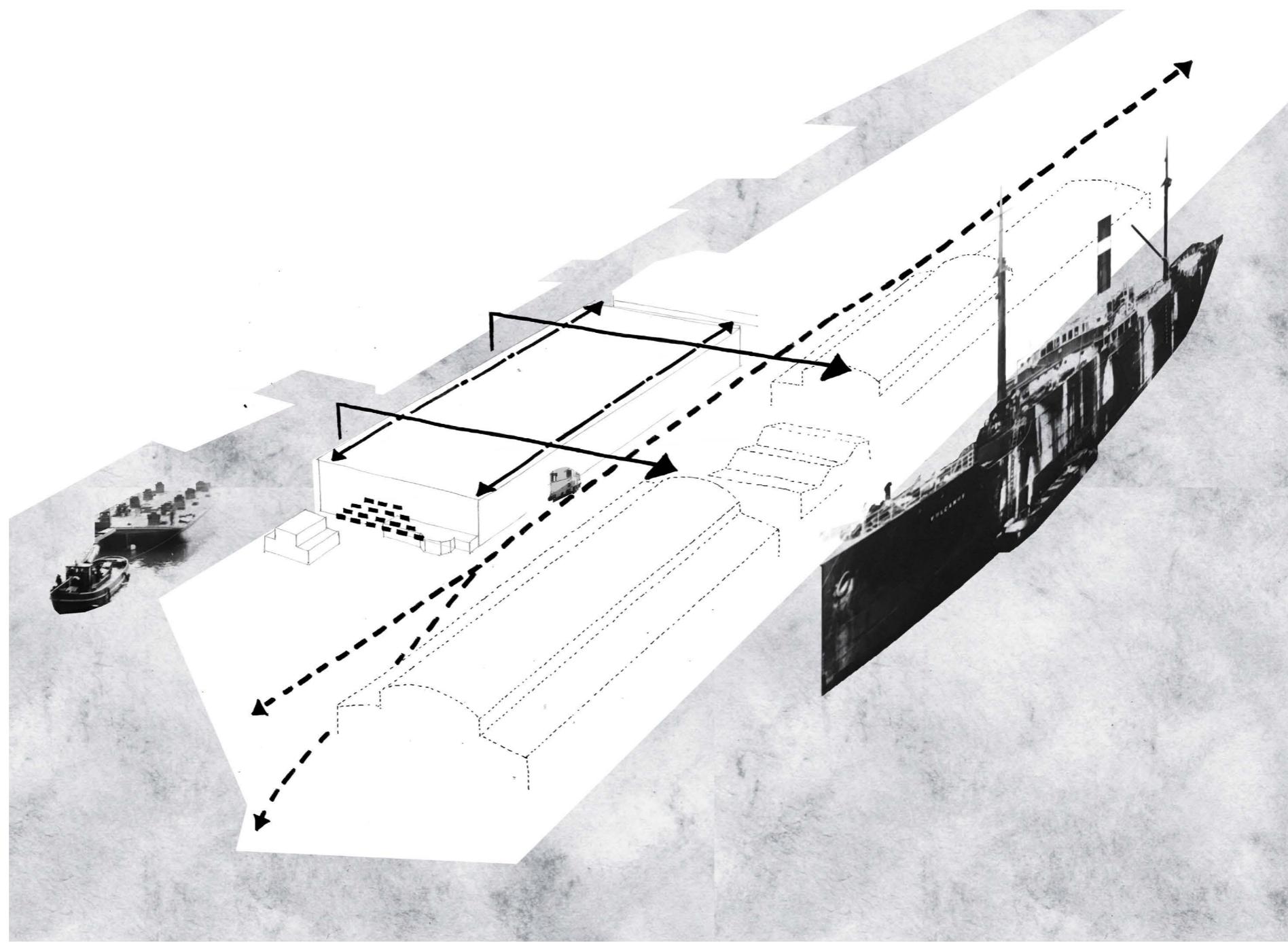
historic setting . trade ensemble



1921

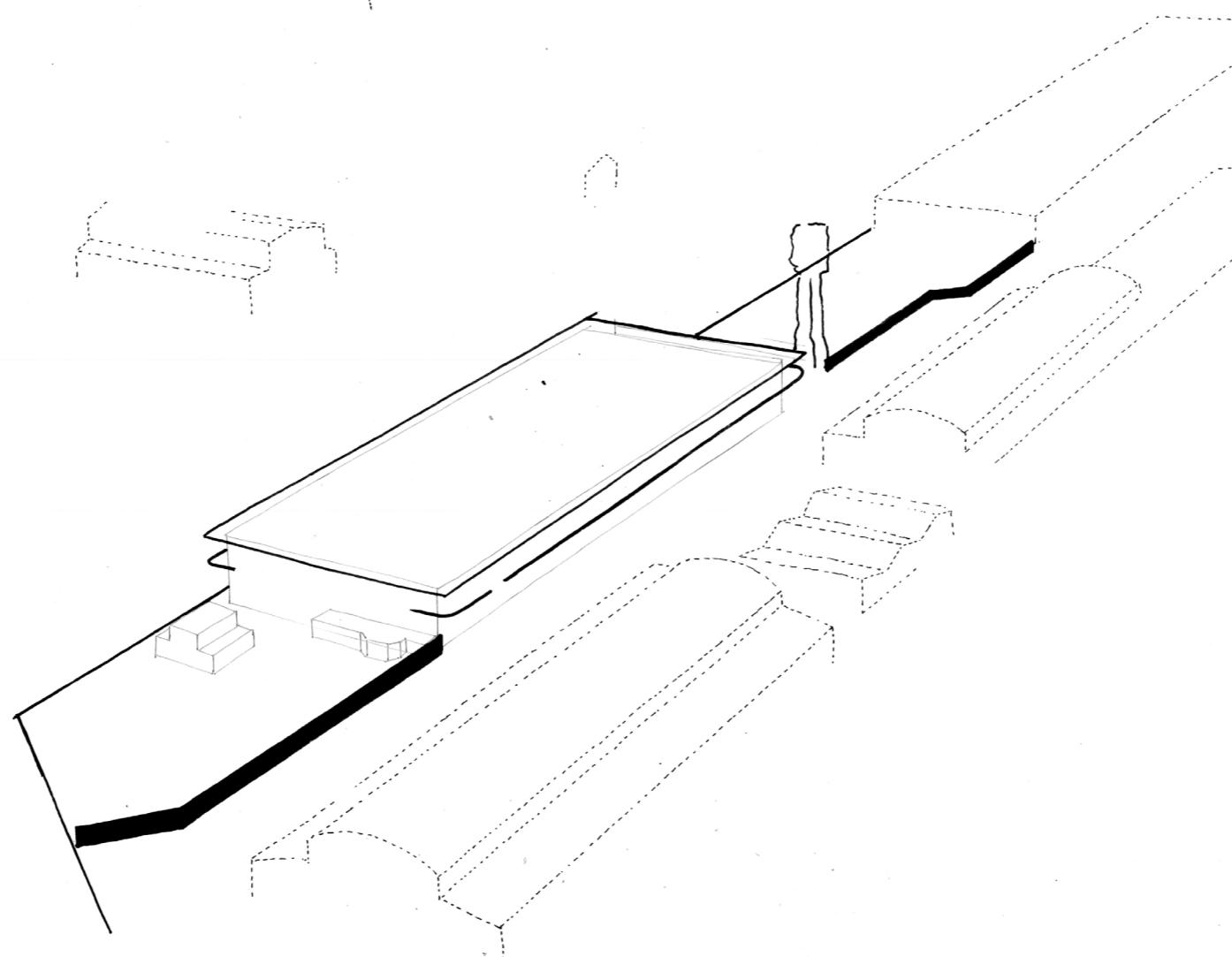
BUILT ENSEMBLE

historic setting . trade ensemble



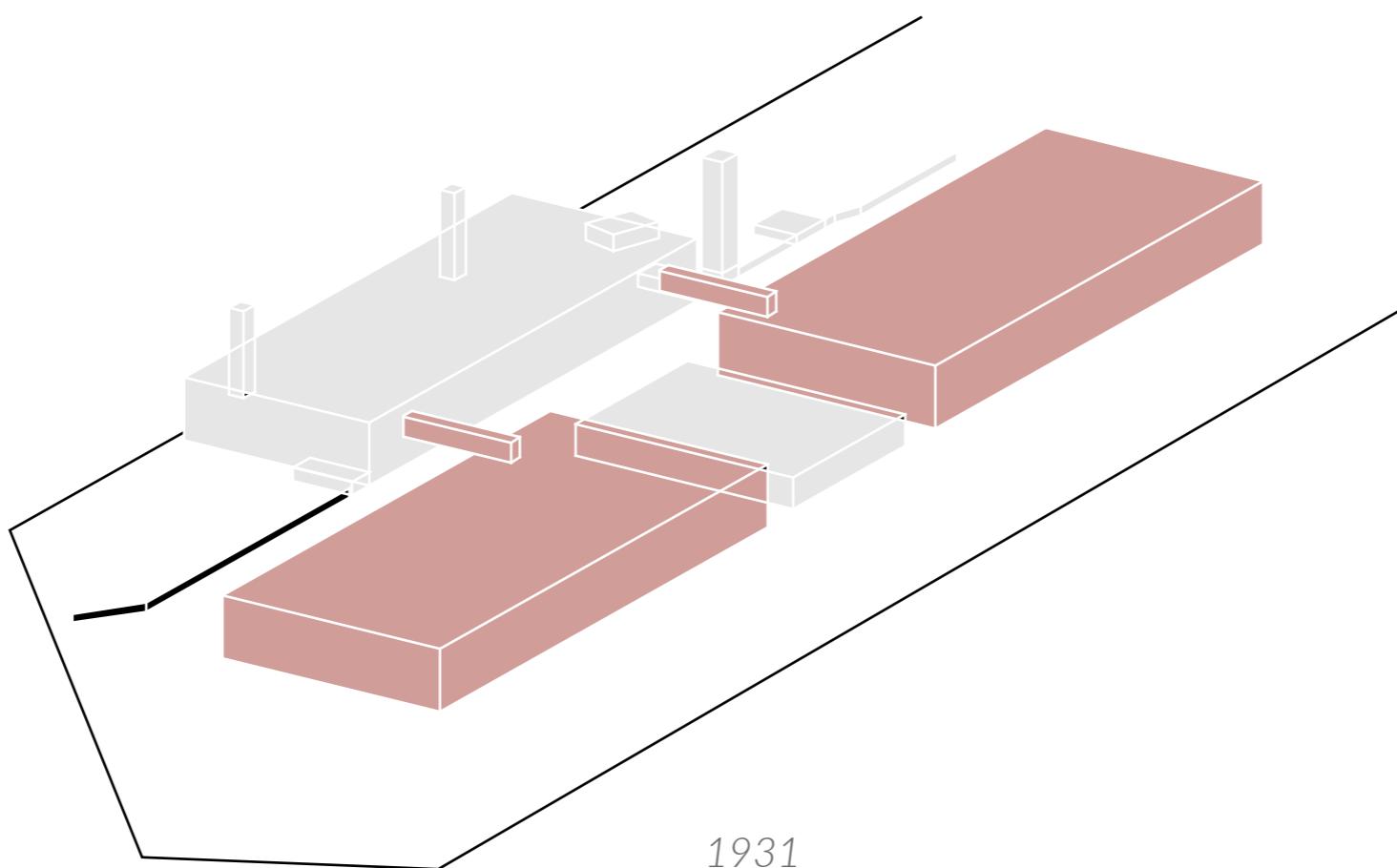
BUILT ENSEMBLE

historic setting . trade ensemble



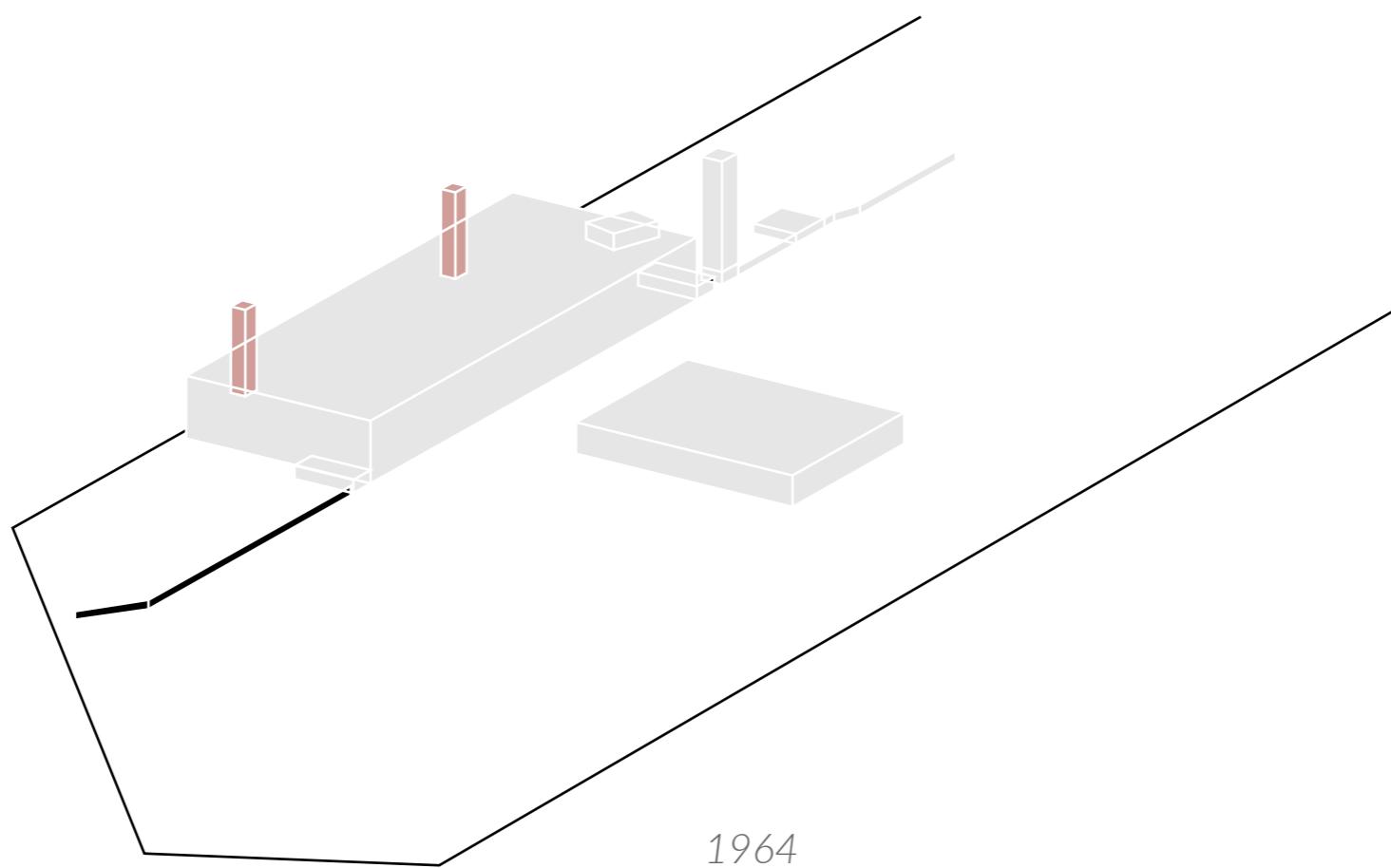
BUILT ENSEMBLE

historic setting . trade ensemble



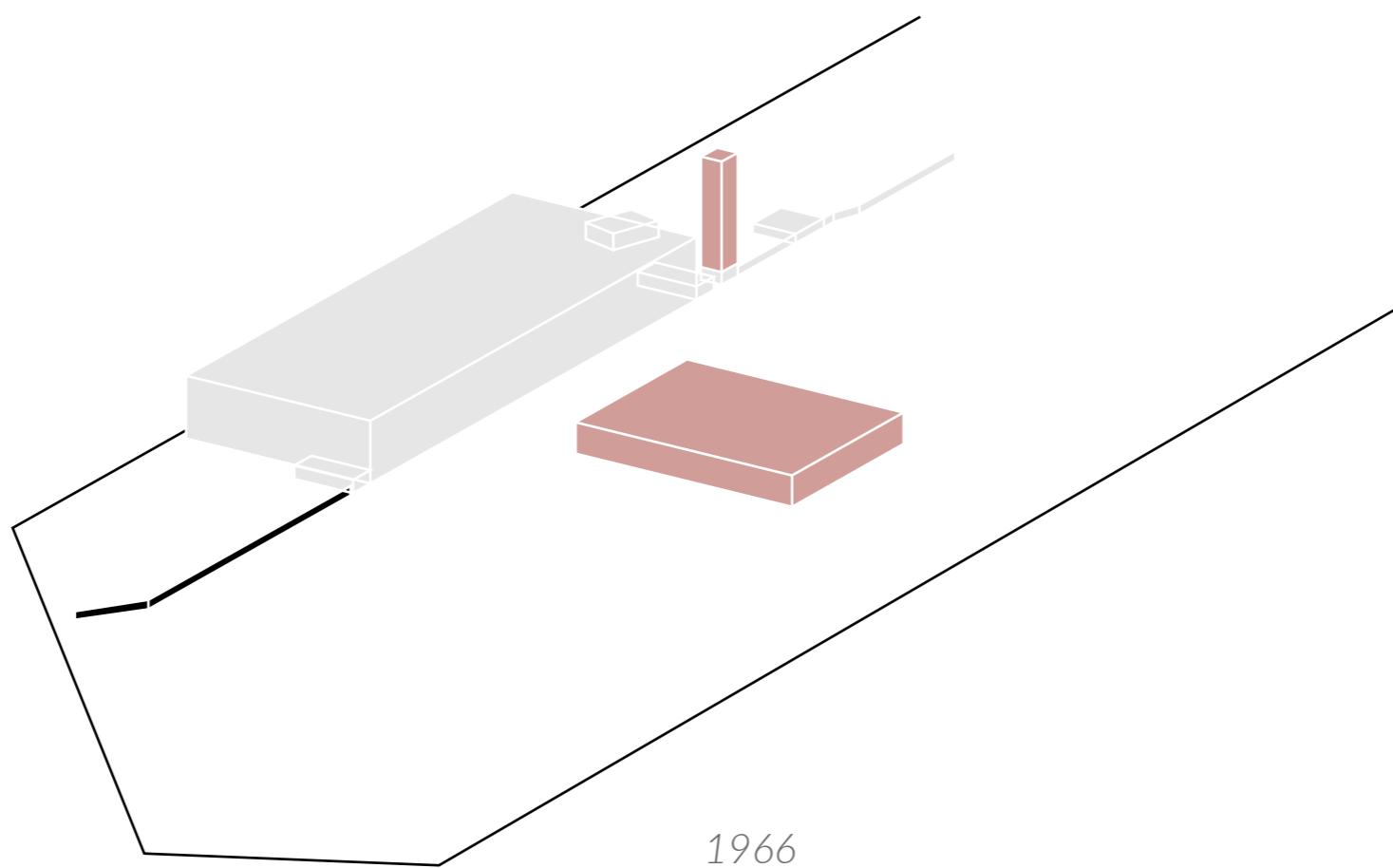
BUILT ENSEMBLE

historic setting . trade ensemble



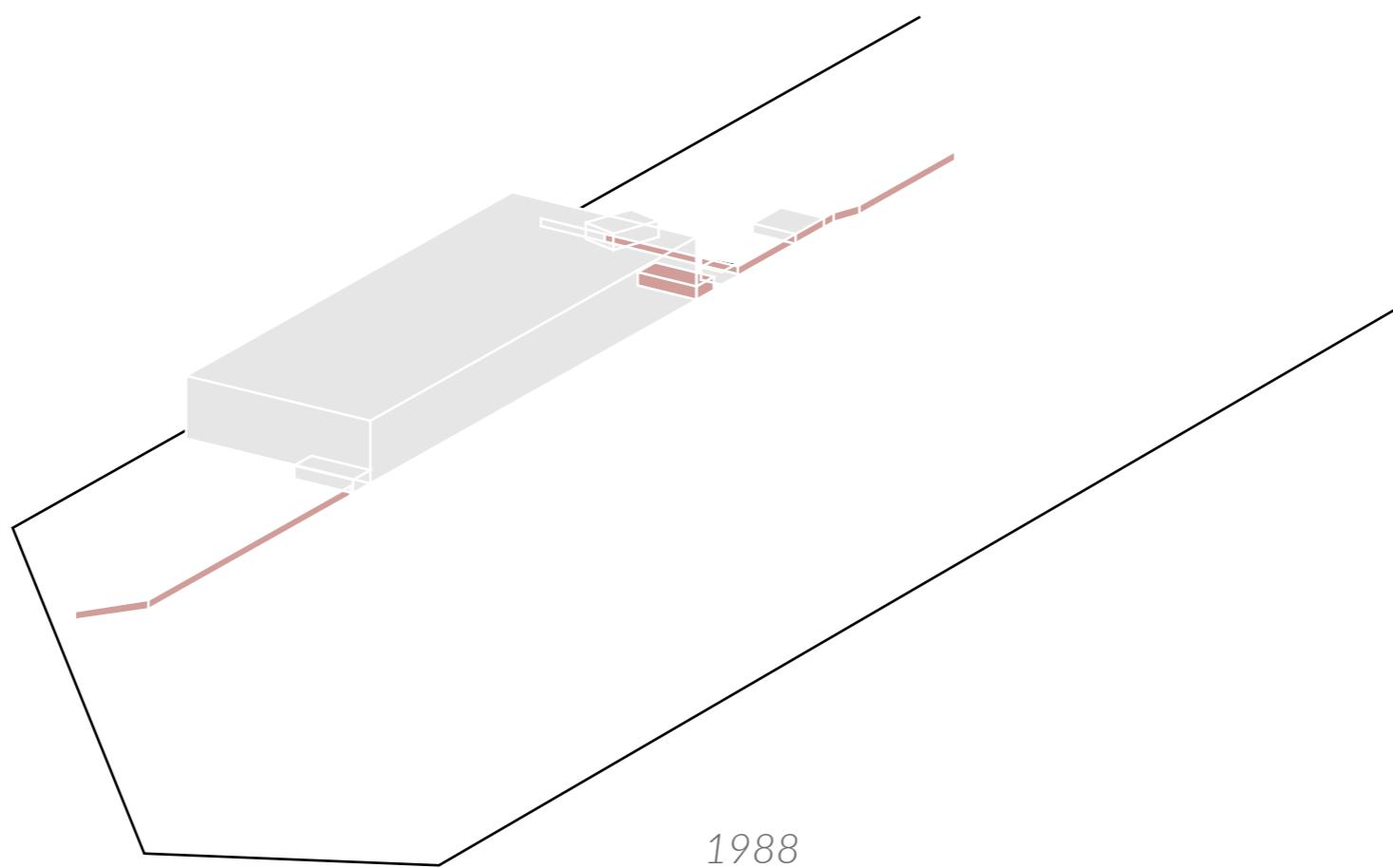
BUILT ENSEMBLE

historic setting . trade ensemble



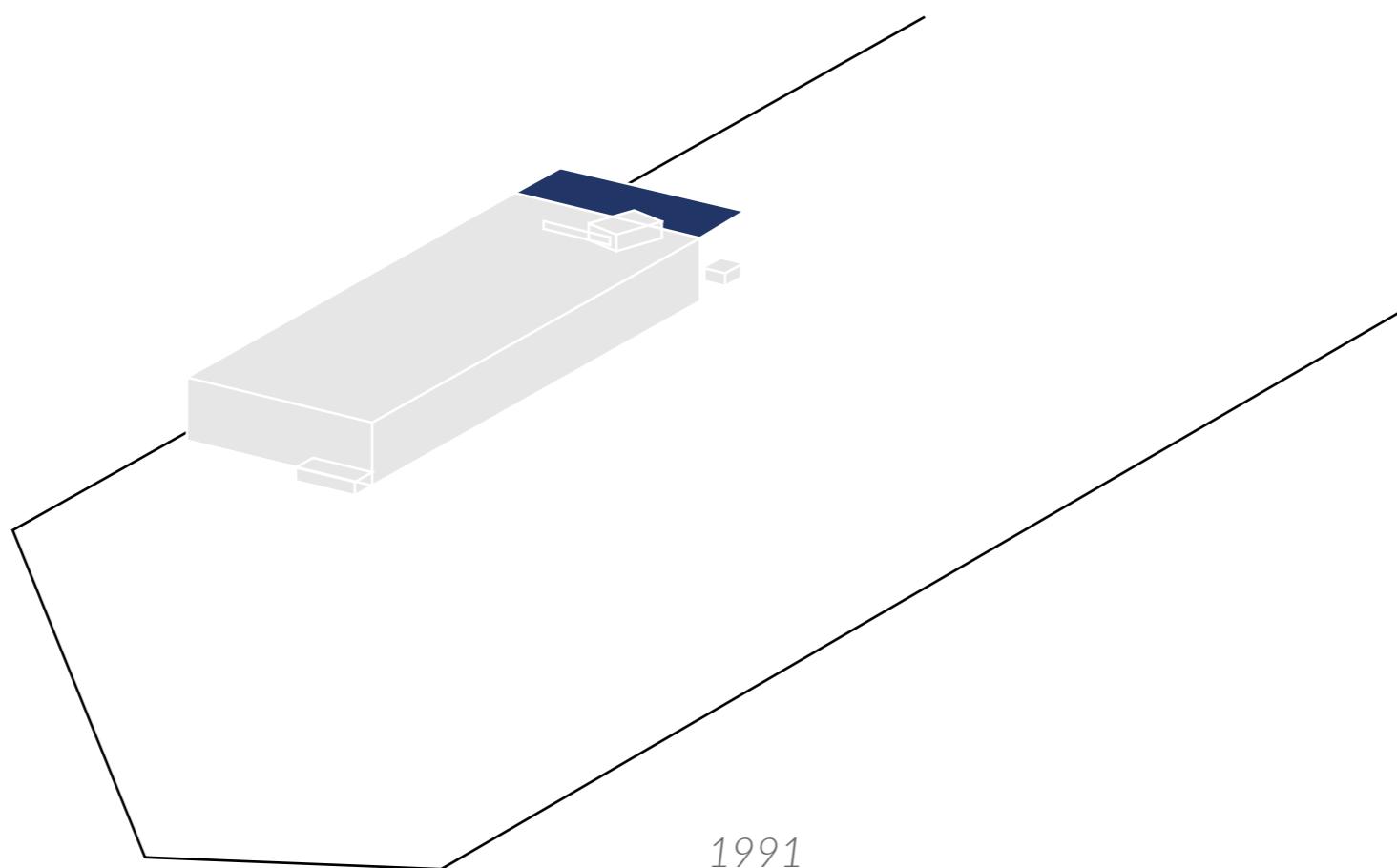
BUILT ENSEMBLE

historic setting . trade ensemble



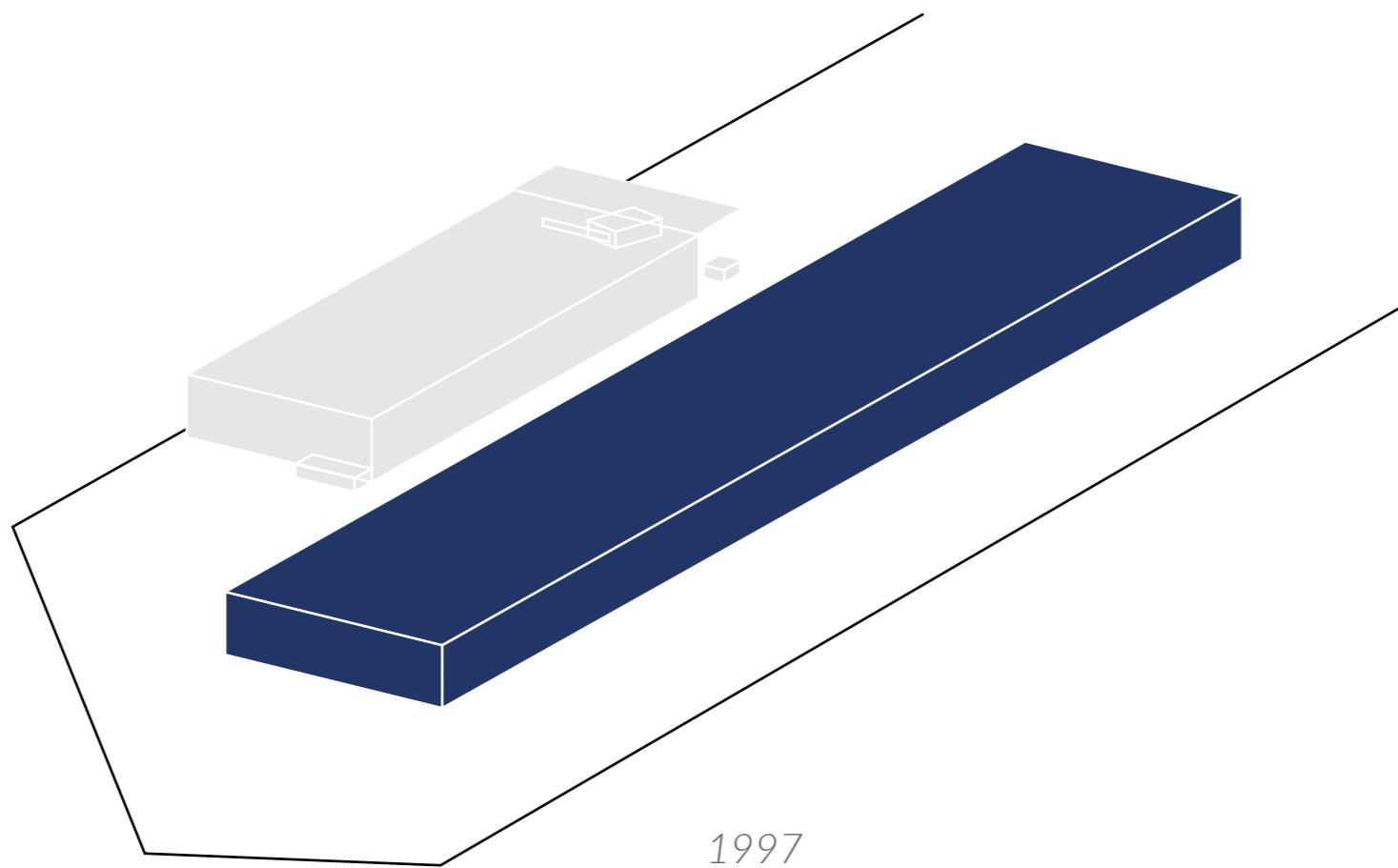
BUILT ENSEMBLE

historic setting . trade ensemble



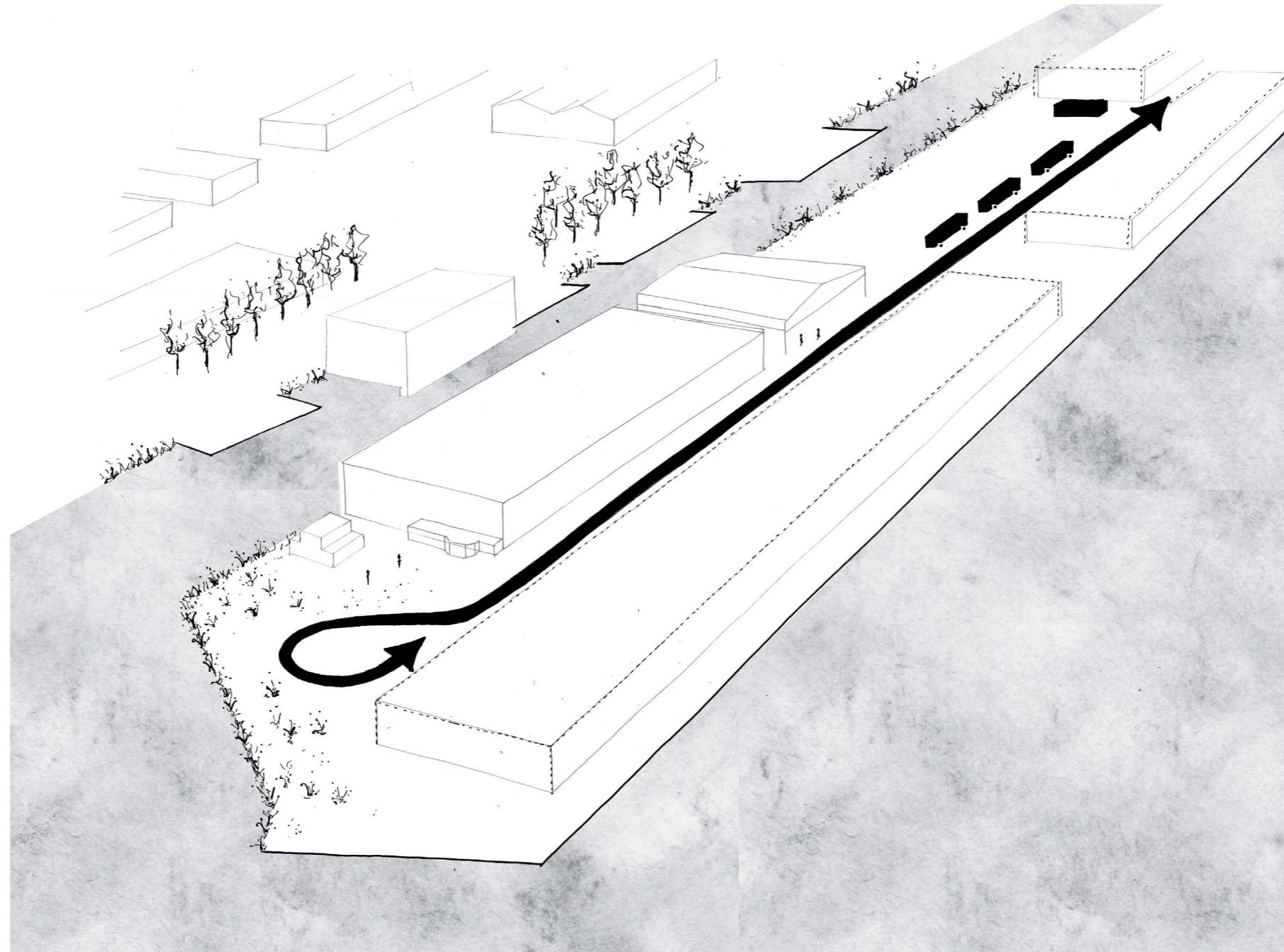
BUILT ENSEMBLE

historic setting . trade ensemble



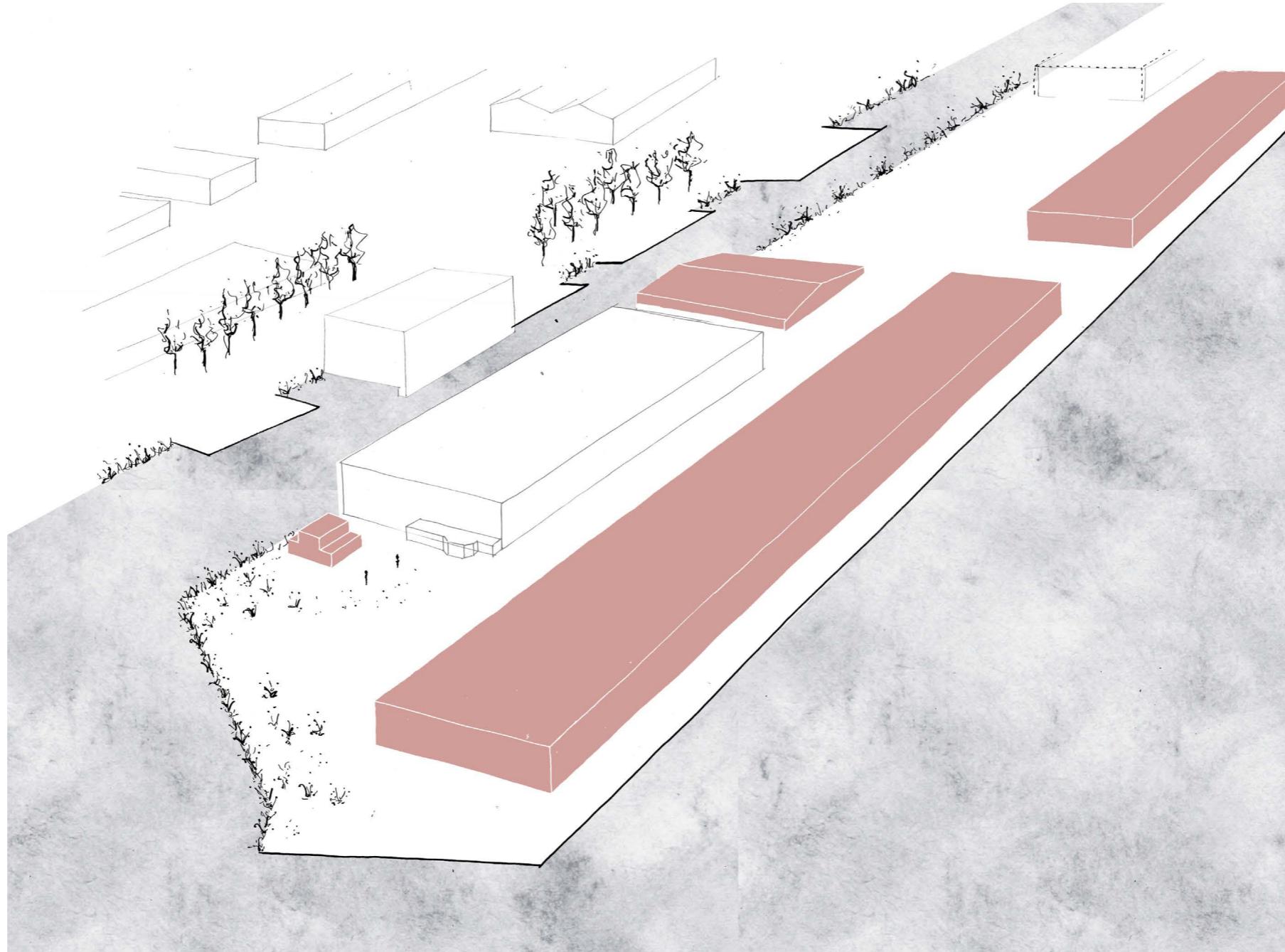
BUILT ENSEMBLE

present situation . shifting industry



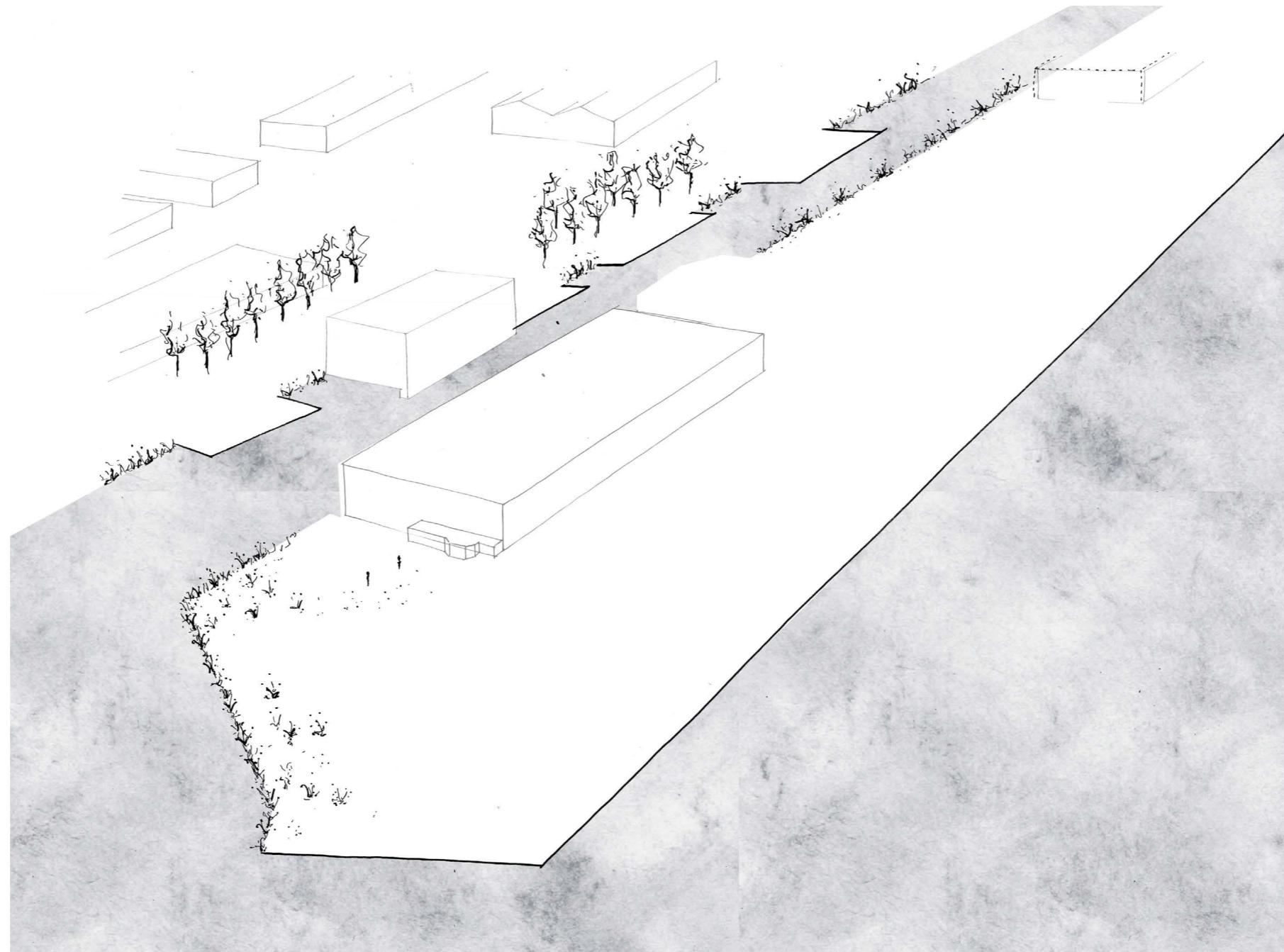
BUILT ENSEMBLE

present situation . shifting industry



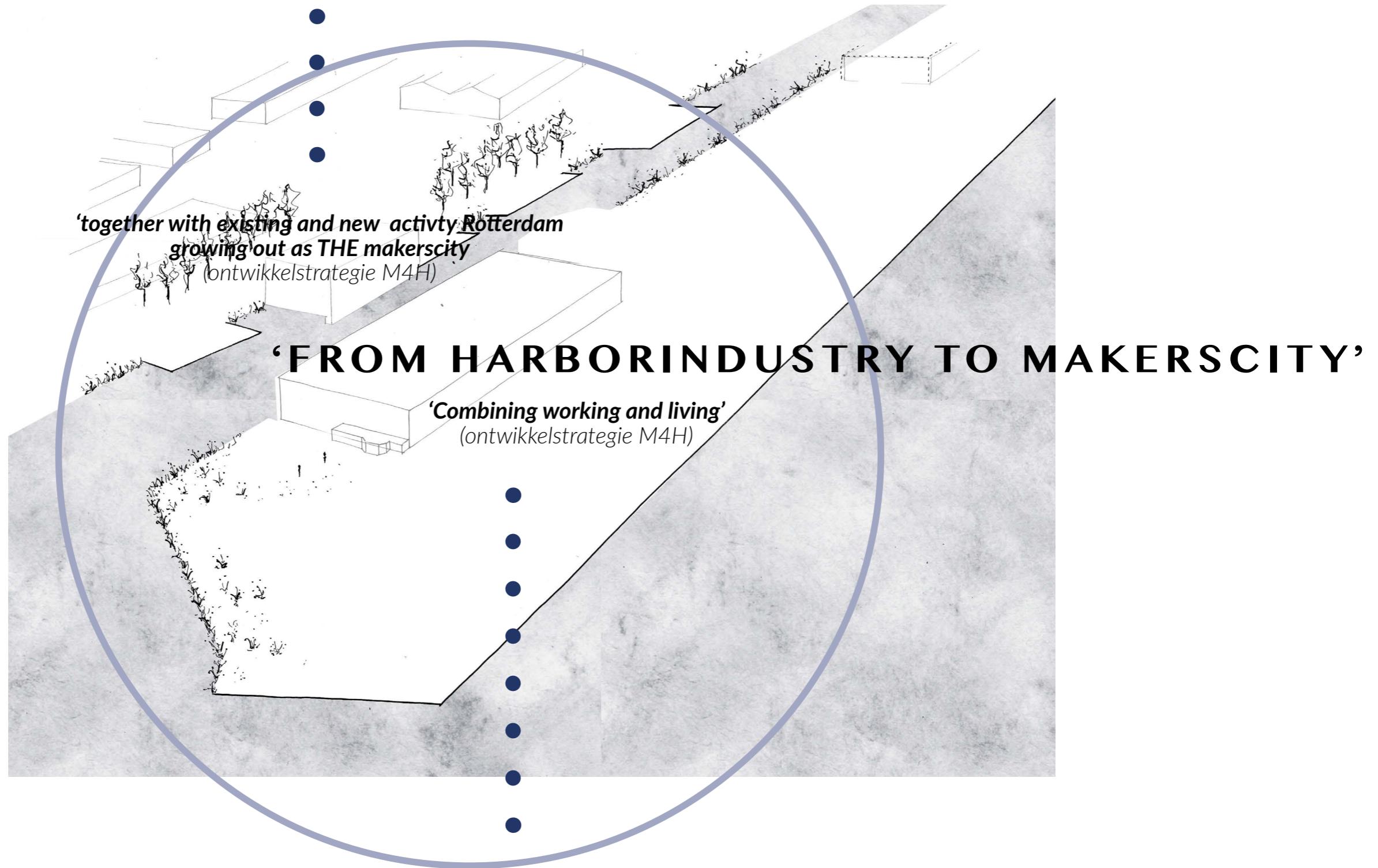
BUILT ENSEMBLE

present situation . shifting industry



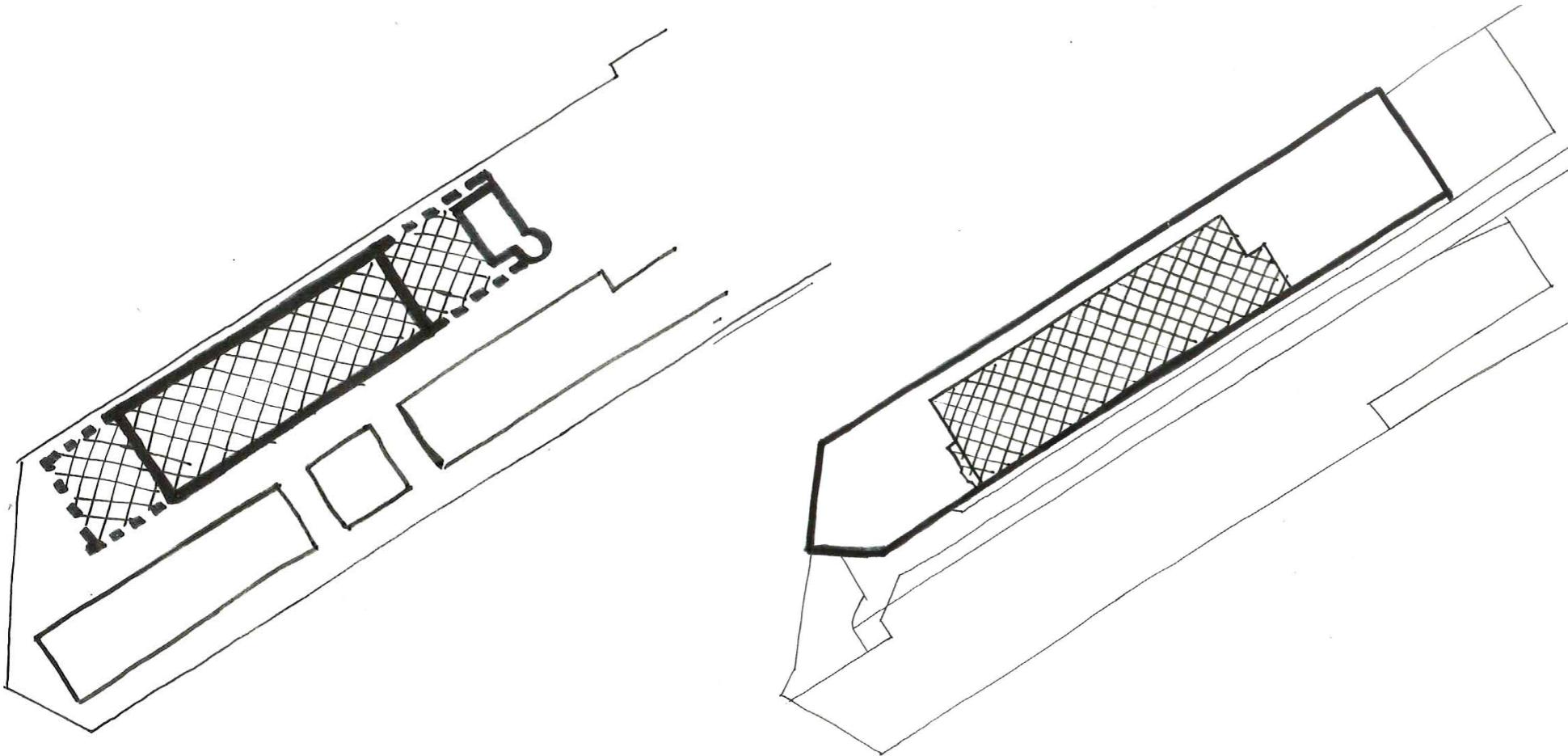
BUILT ENSEMBLE

continuation . shifting industry

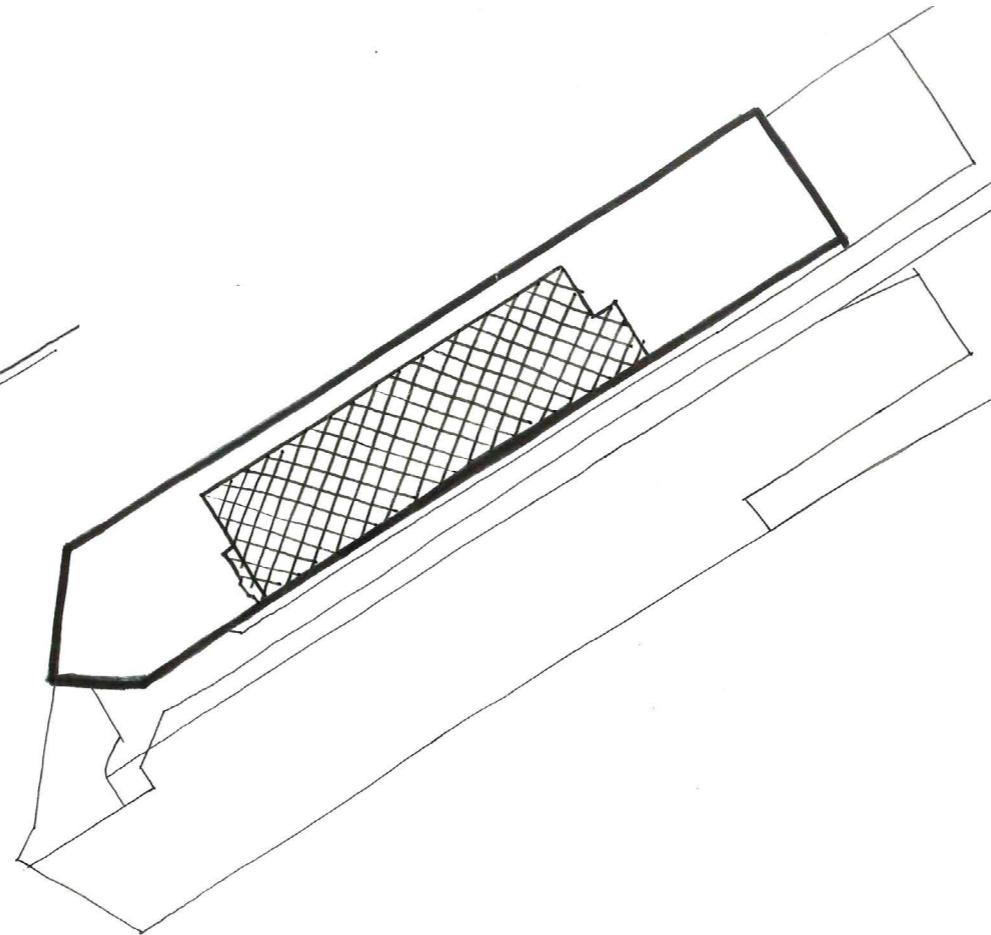


BUILT ENSEMBLE

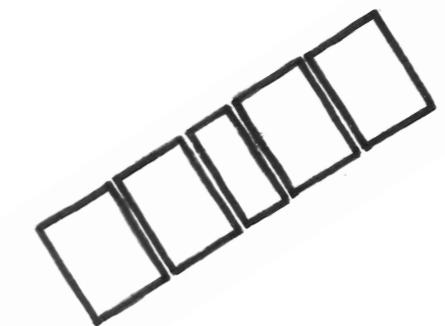
historic setting . volume tolerance



adaption



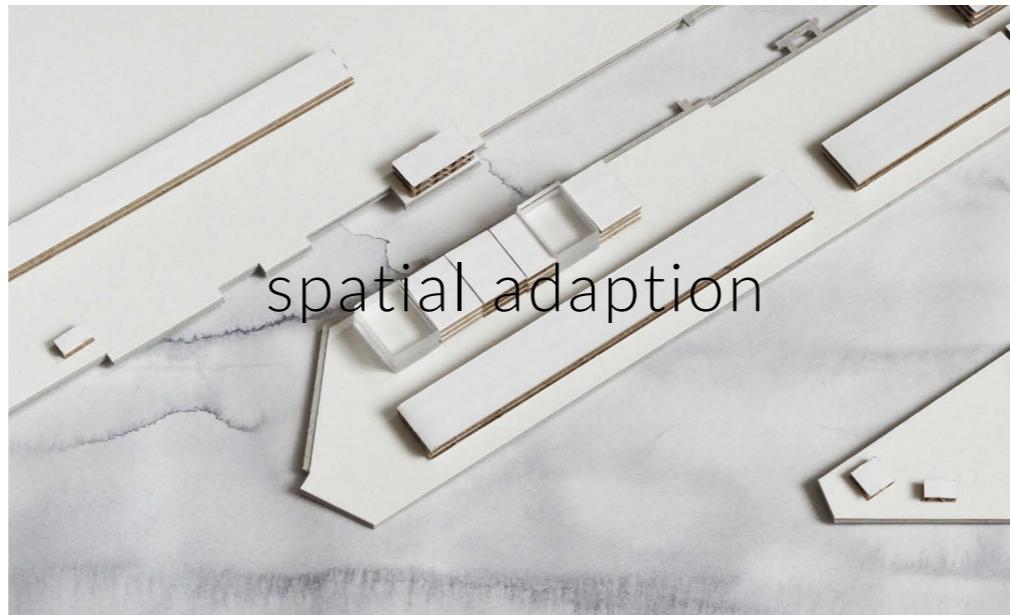
property



compartmentation

BUILT ENSEMBLE

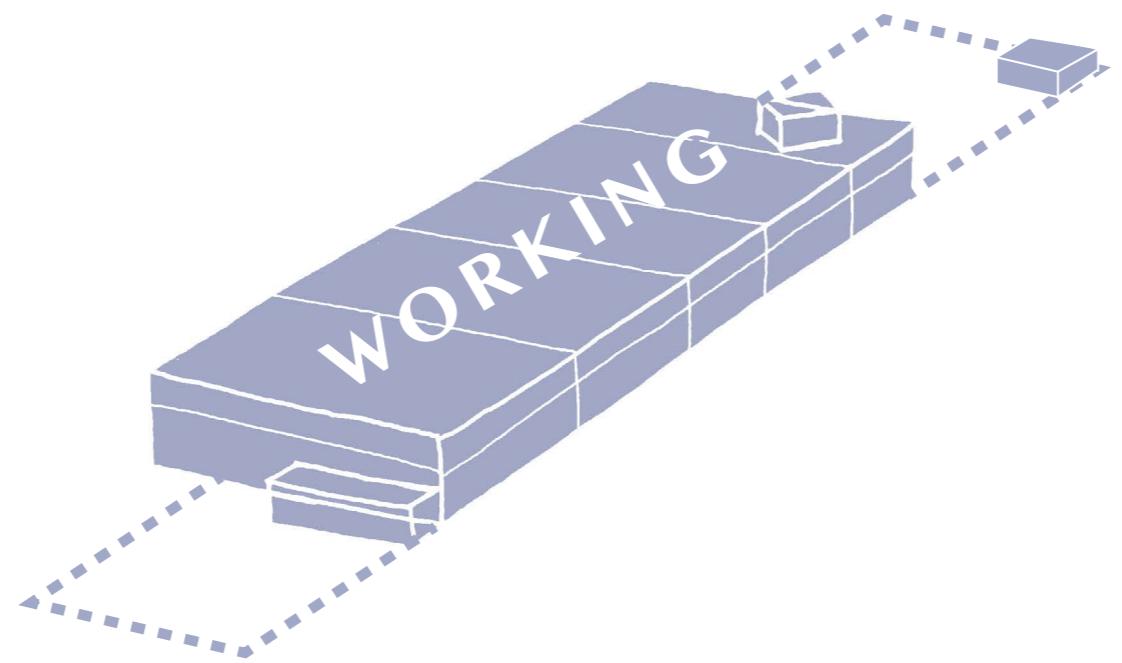
present situation . volume tolerance



spatial adaption

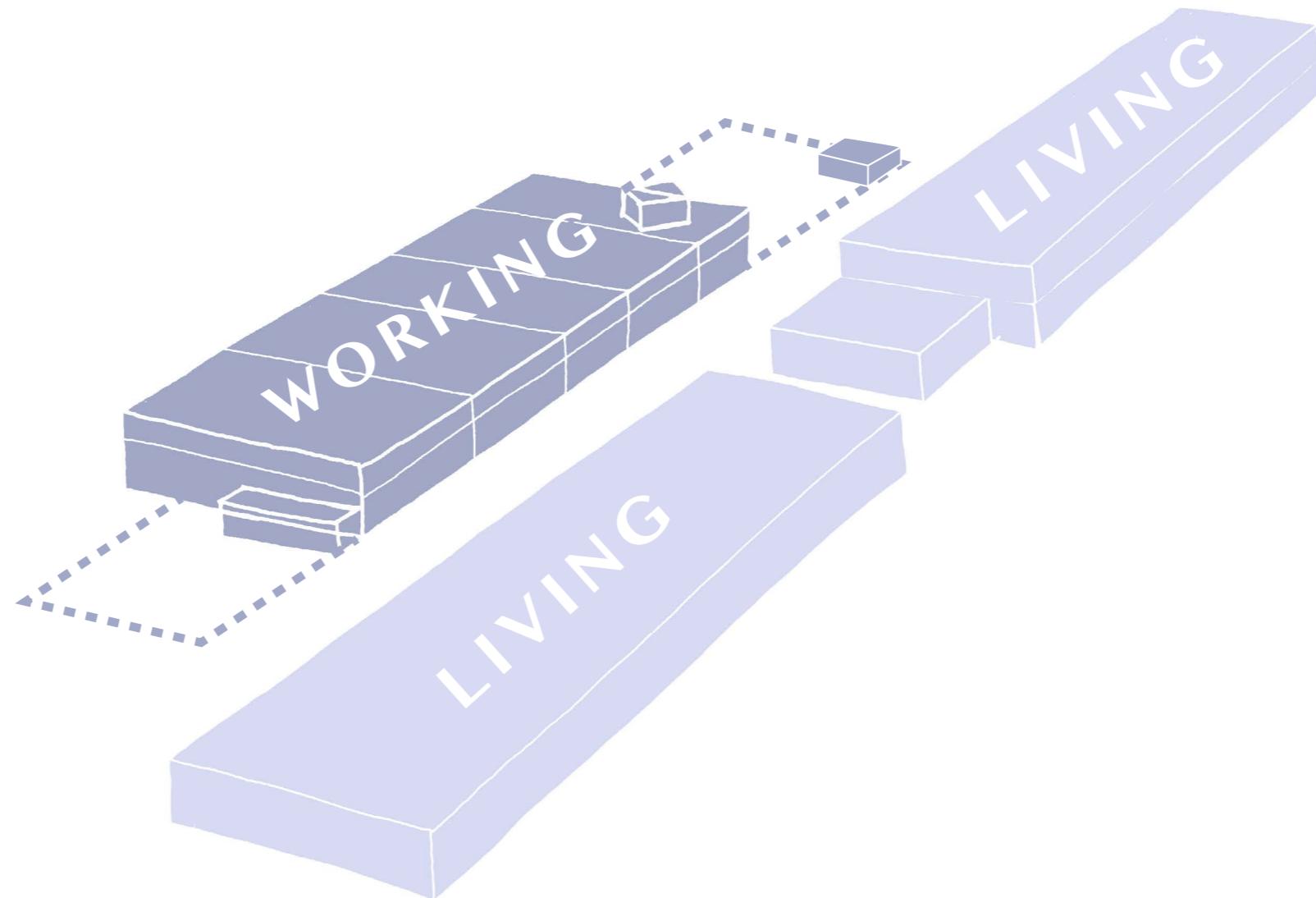
BUILT ENSEMBLE

continuation . volume tolerance



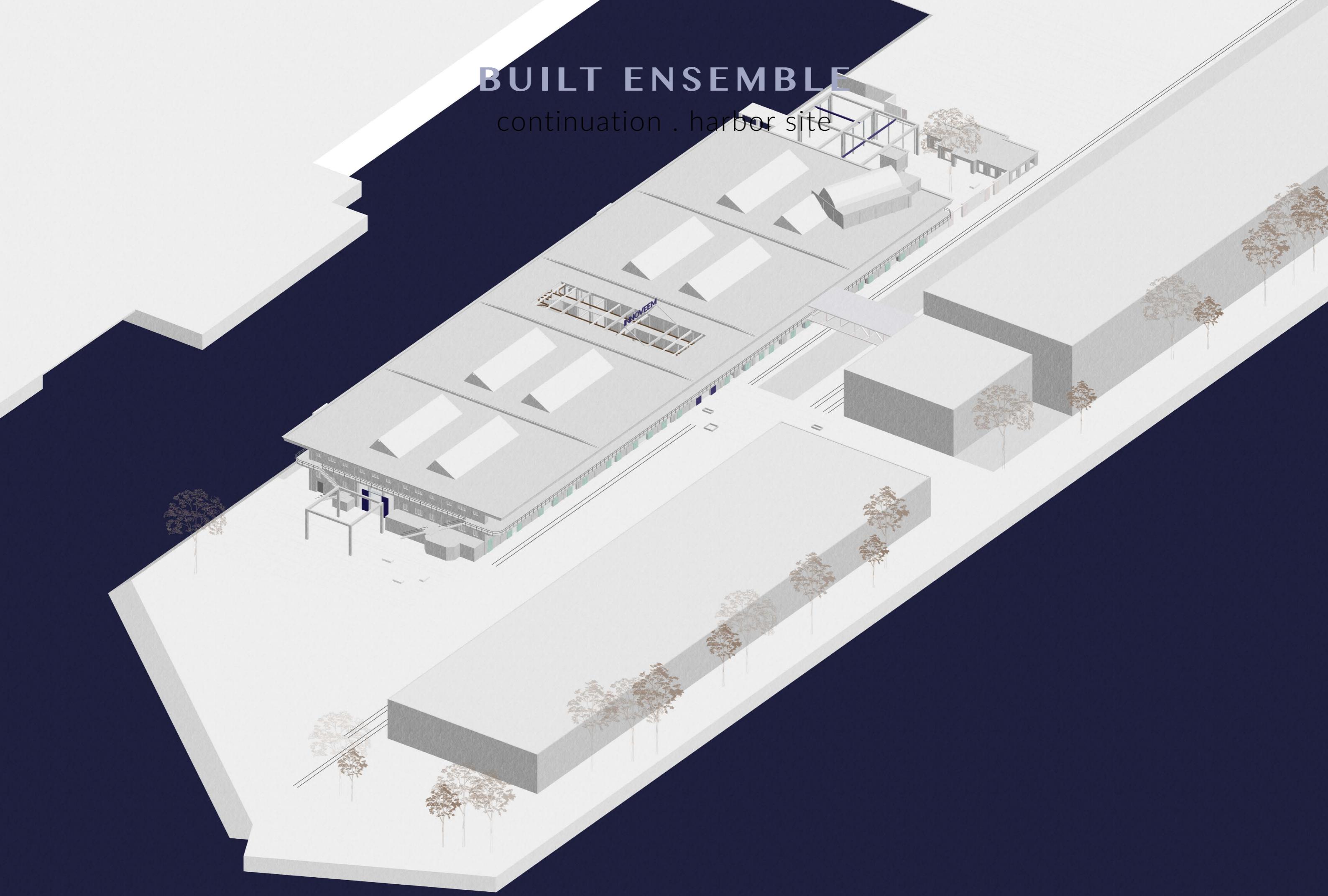
BUILT ENSEMBLE

continuation . volume tolerance



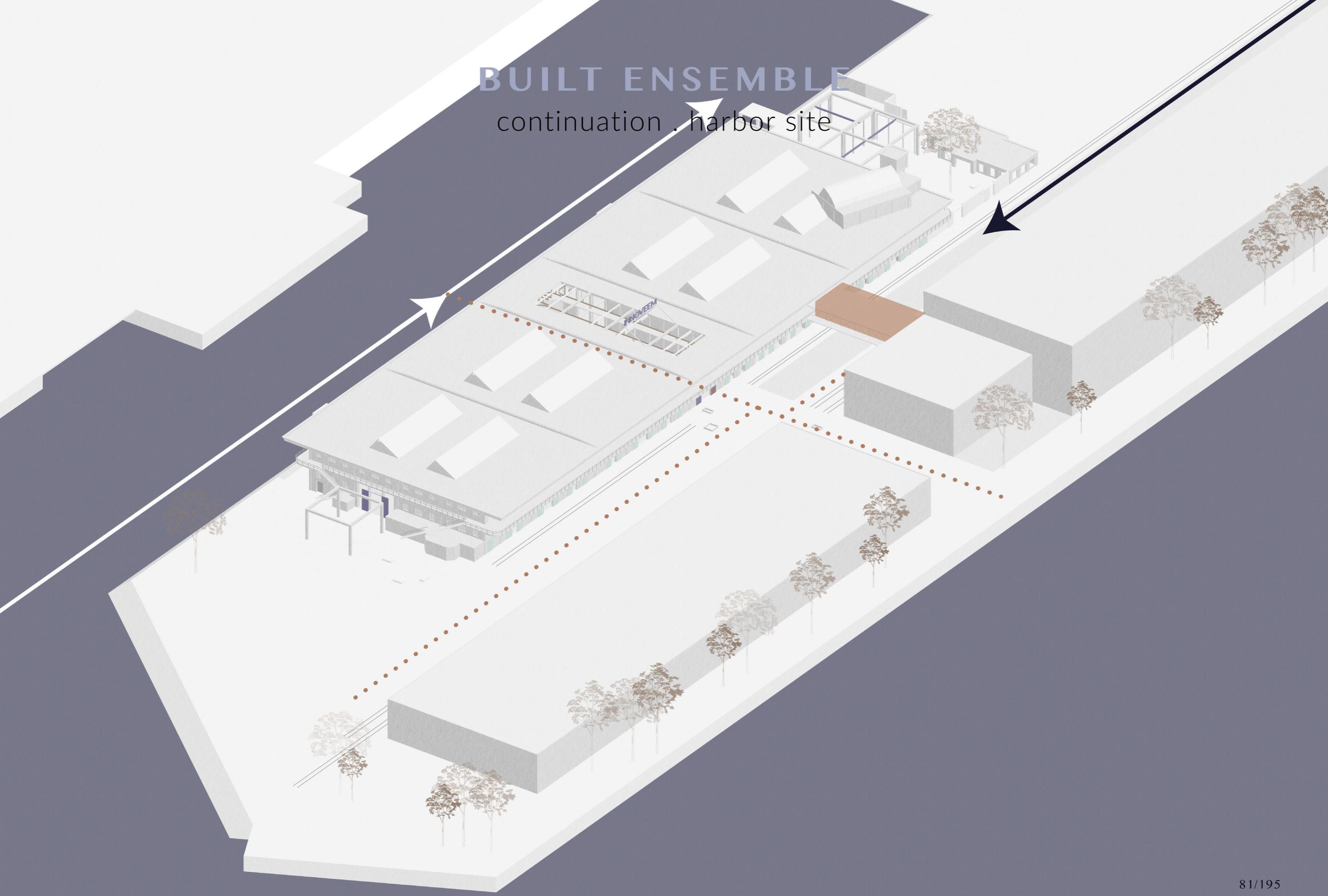
BUILT ENSEMBLE

continuation . harbor site



BUILT ENSEMBLE

continuation . harbor site



BUILT ENSEMBLE

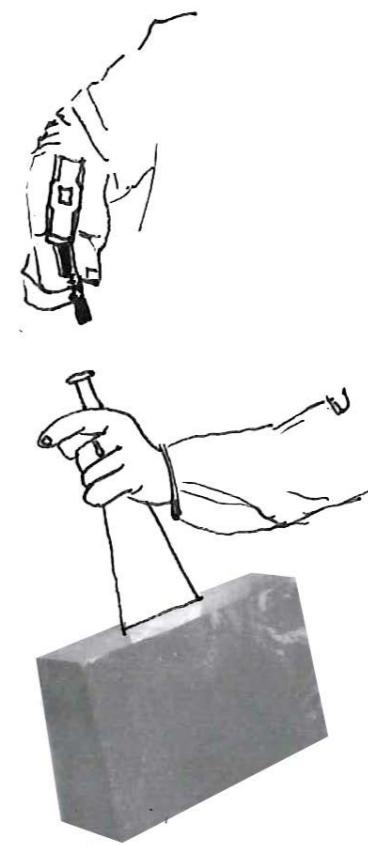
present situation . multicrafting



clay



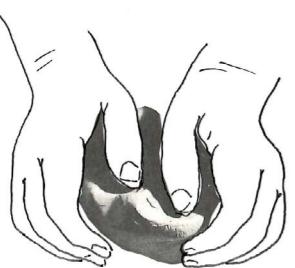
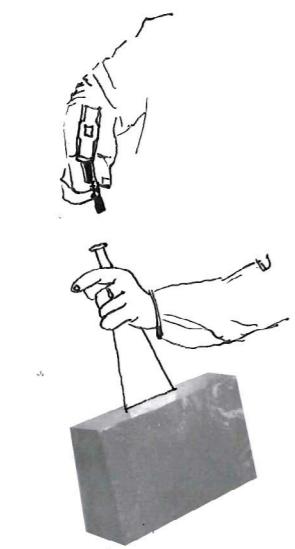
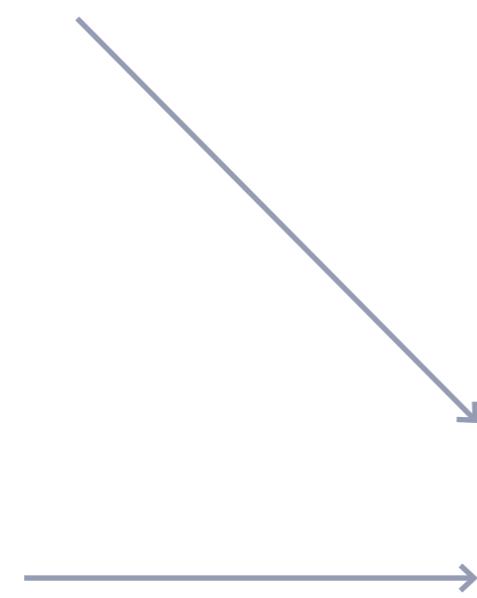
concrete



stone

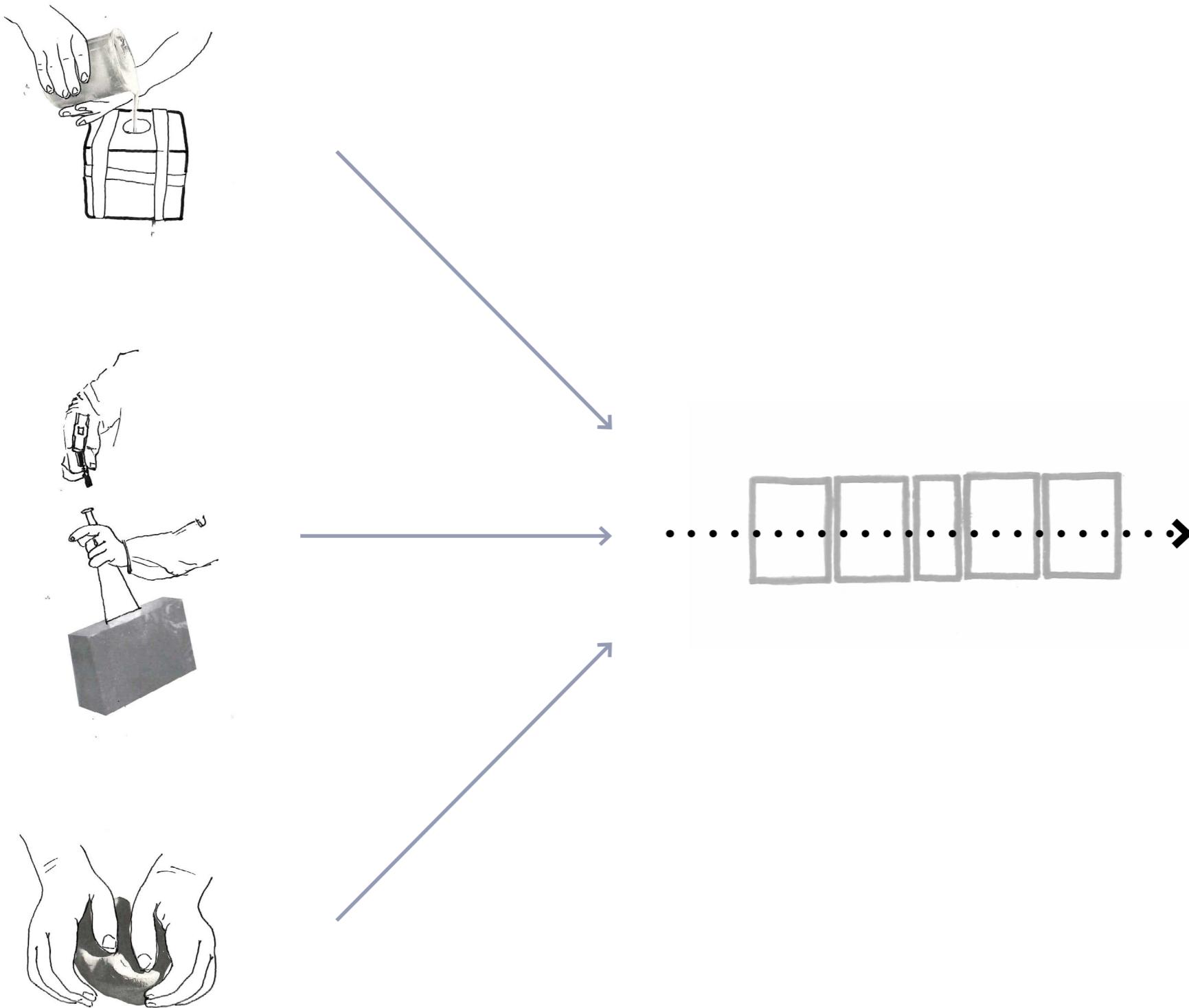
BUILT ENSEMBLE

continuation . multicrafting



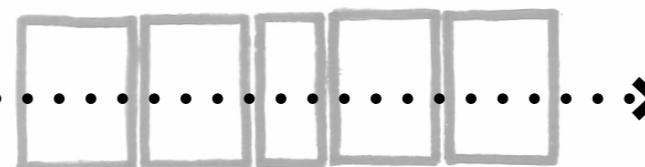
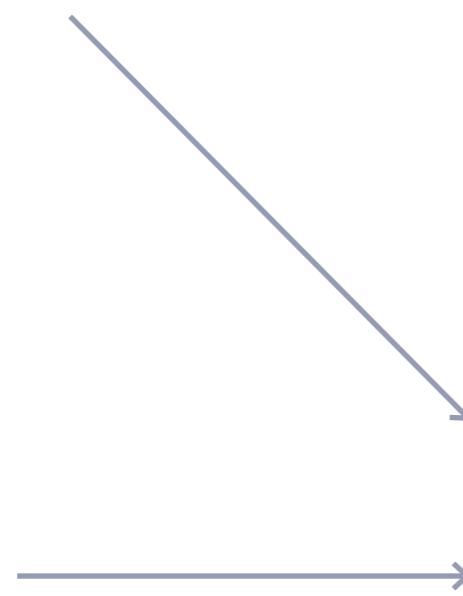
BUILT ENSEMBLE

continuation . multicrafting

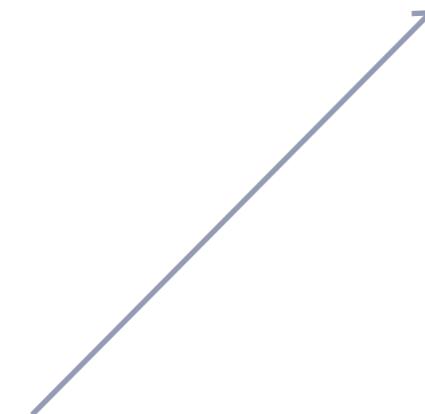
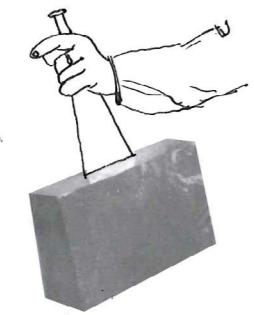
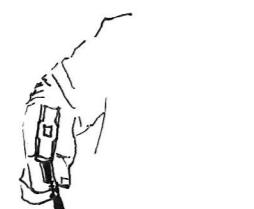


BUILT ENSEMBLE

continuation . multicrafting

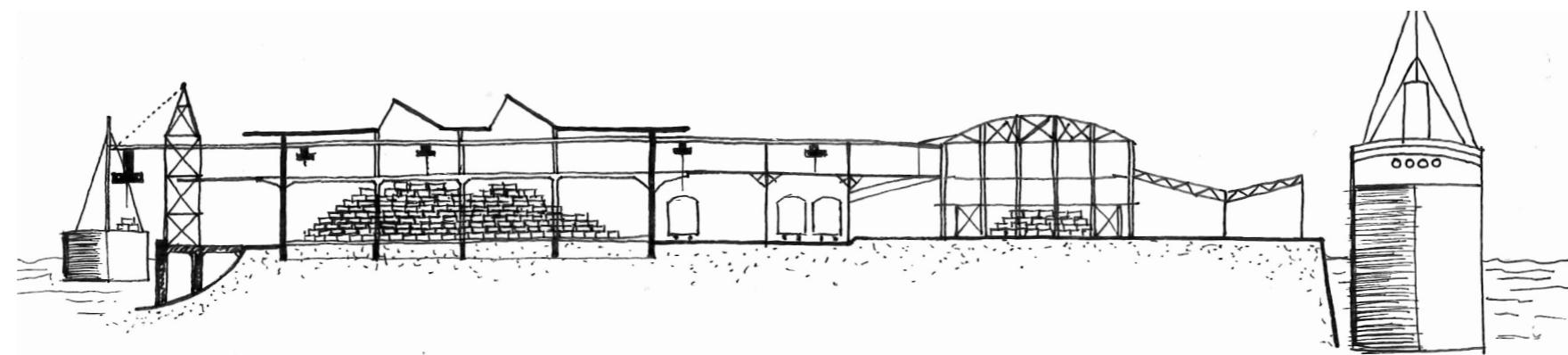


INNOVATION

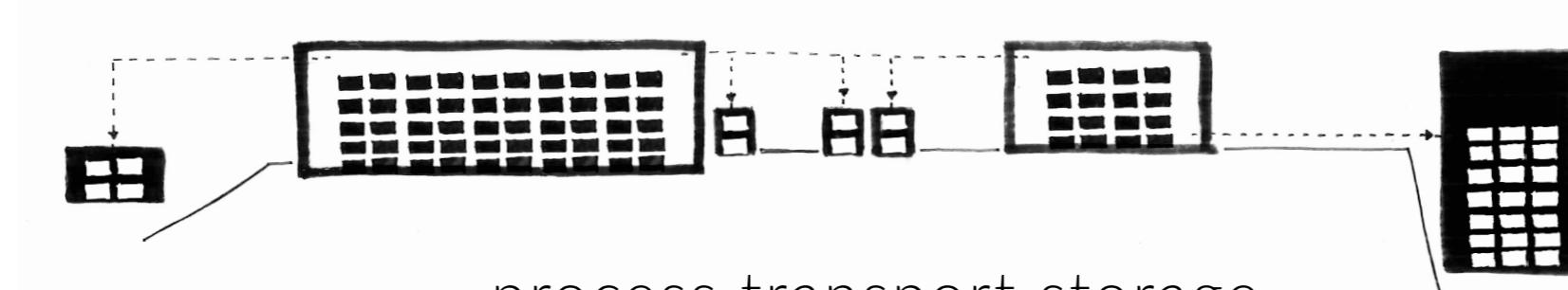


BUILT ENSEMBLE

historic setting . program



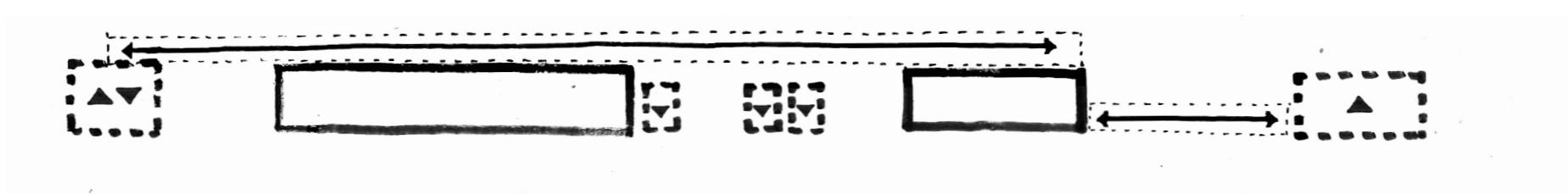
organisational situation



process transport storage

BUILT ENSEMBLE

present situation . program

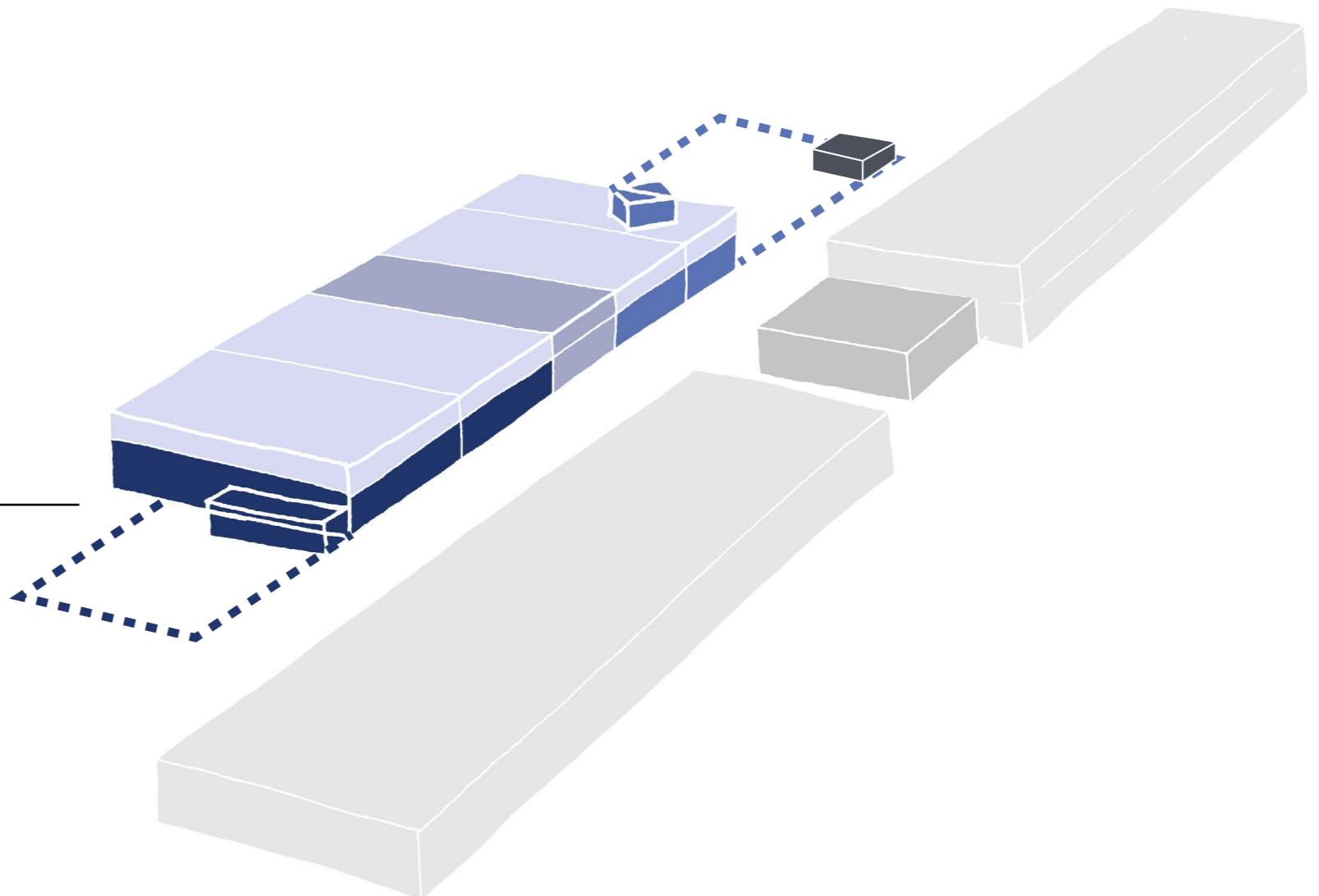


types of moving

BUILT ENSEMBLE

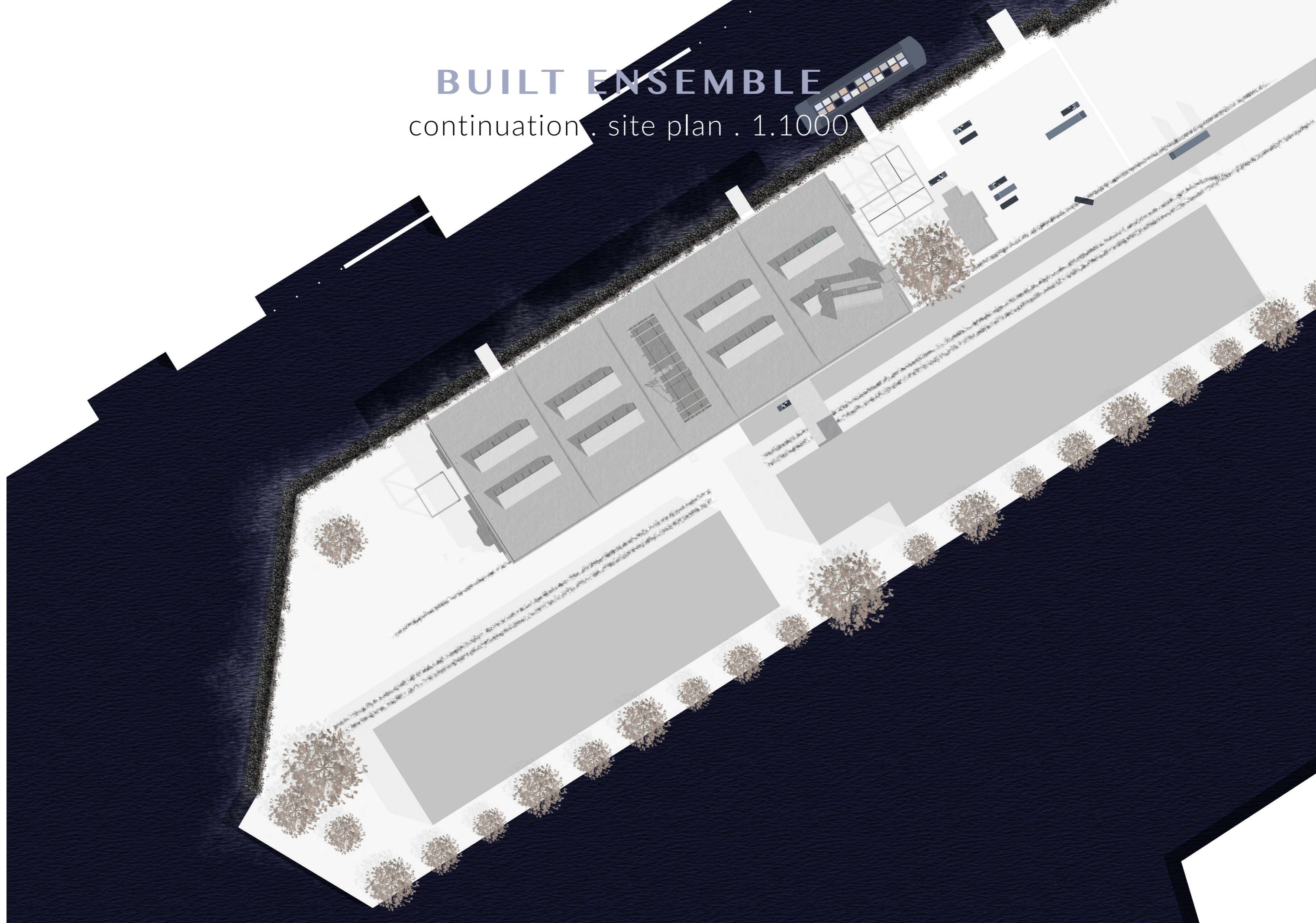
continuation . program

- research workshop
 - route exhibition
 - exhibition
 - experiment lab
-
- work garden
 - urban exhibition
 - bar / cafe /
restaurant / shop
 - innovator in
residence



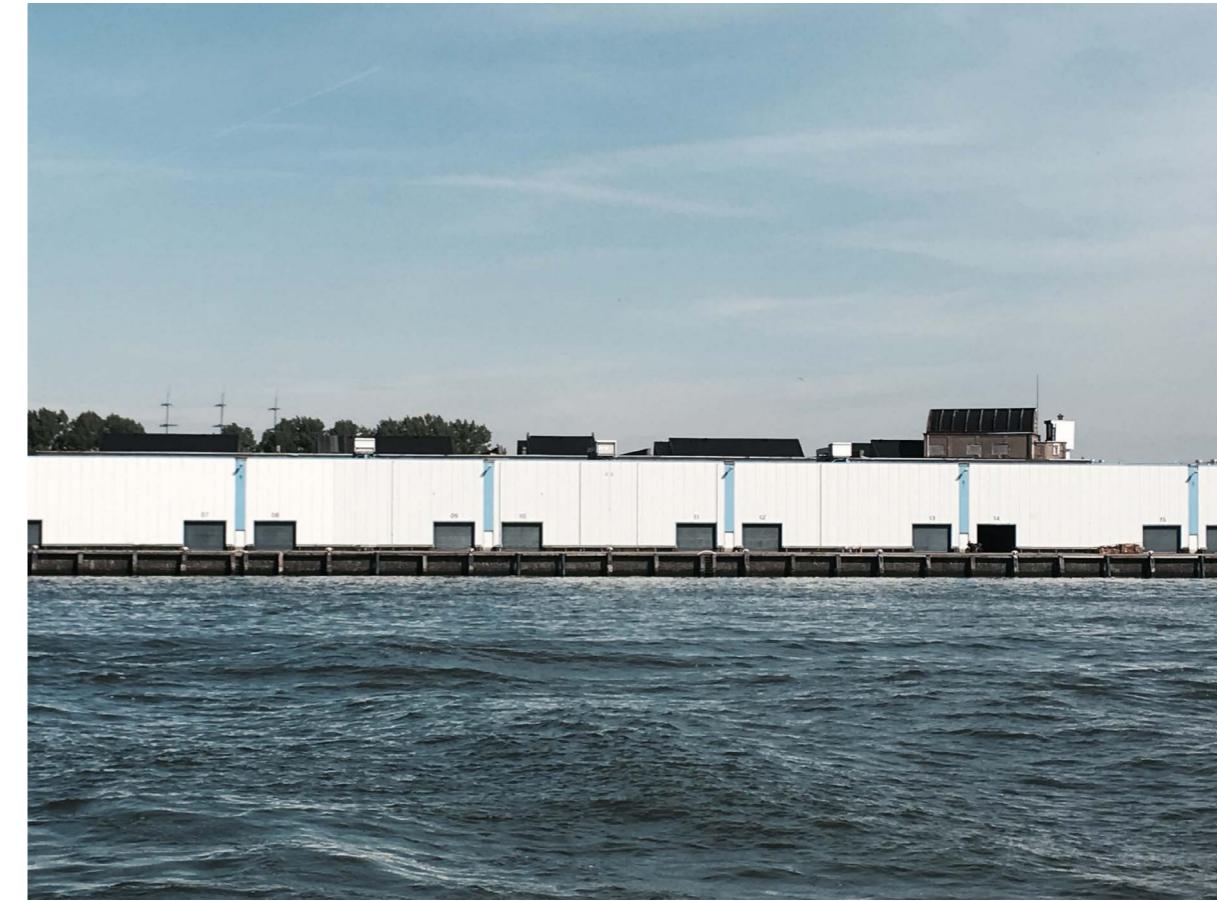
BUILT ENSEMBLE

continuation . site plan . 1.1000



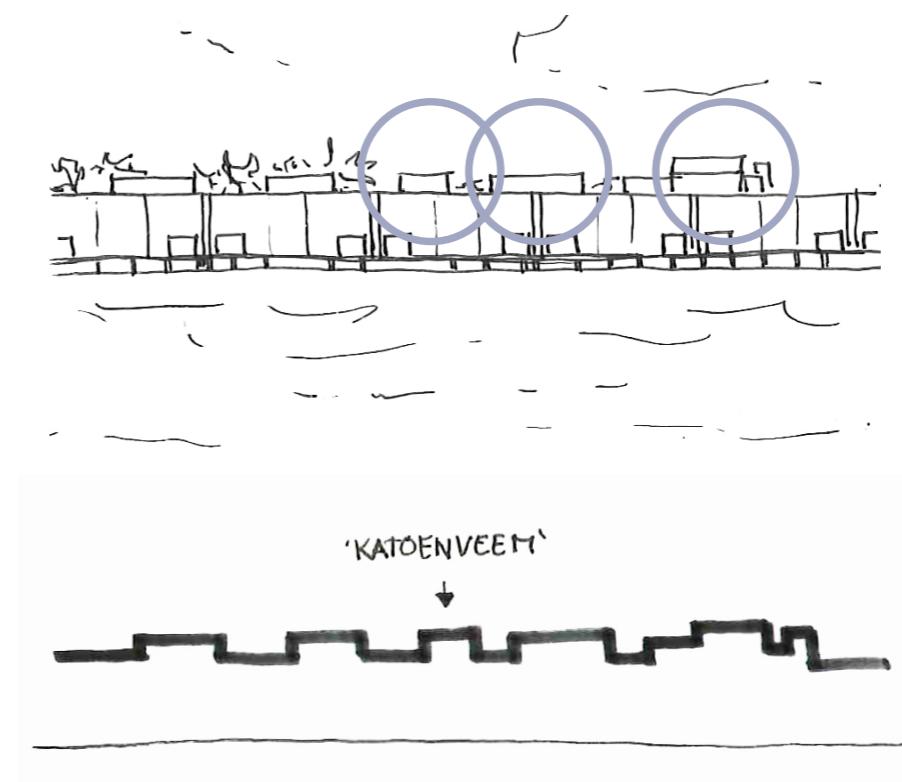
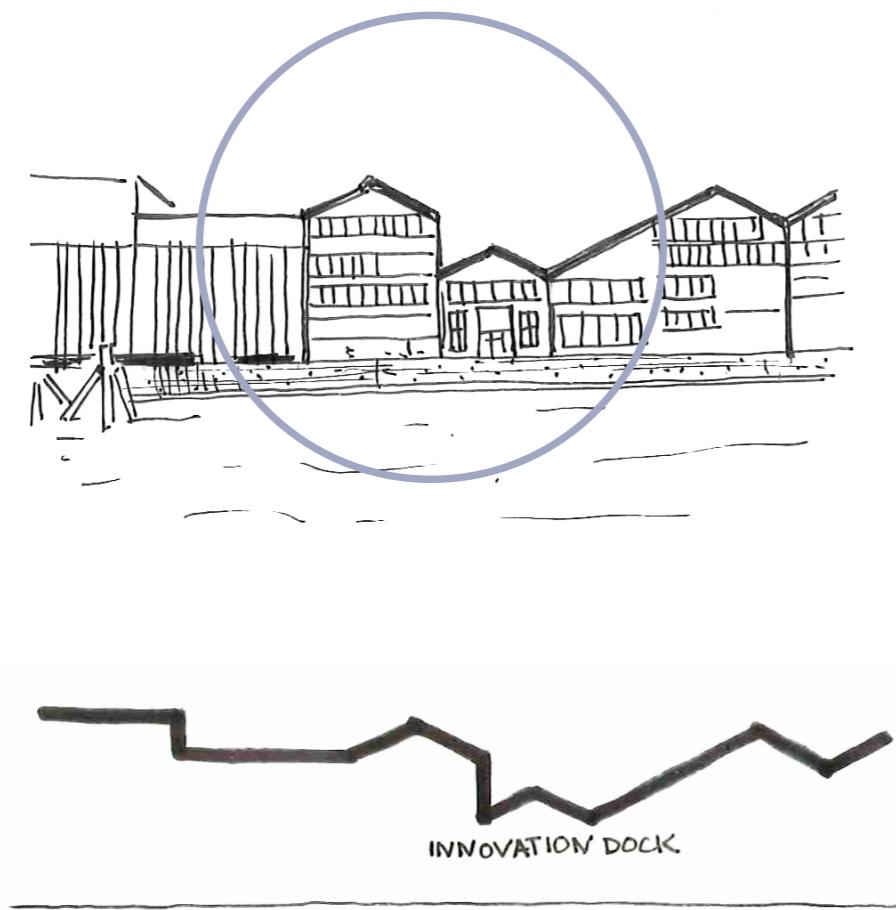
BUILT ENSEMBLE

present situation . identity



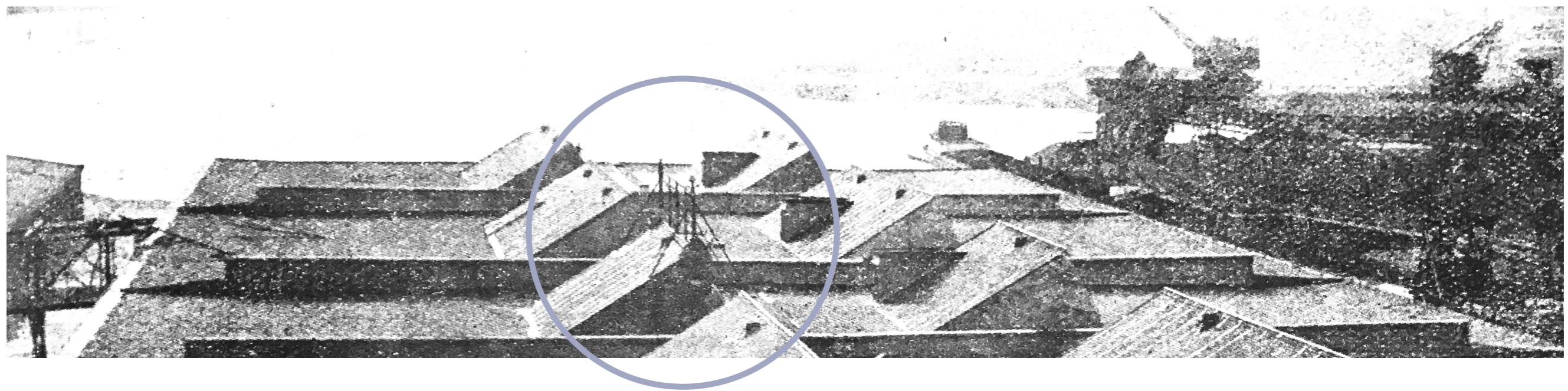
BUILT ENSEMBLE

present situation . identity



BUILT ENSEMBLE

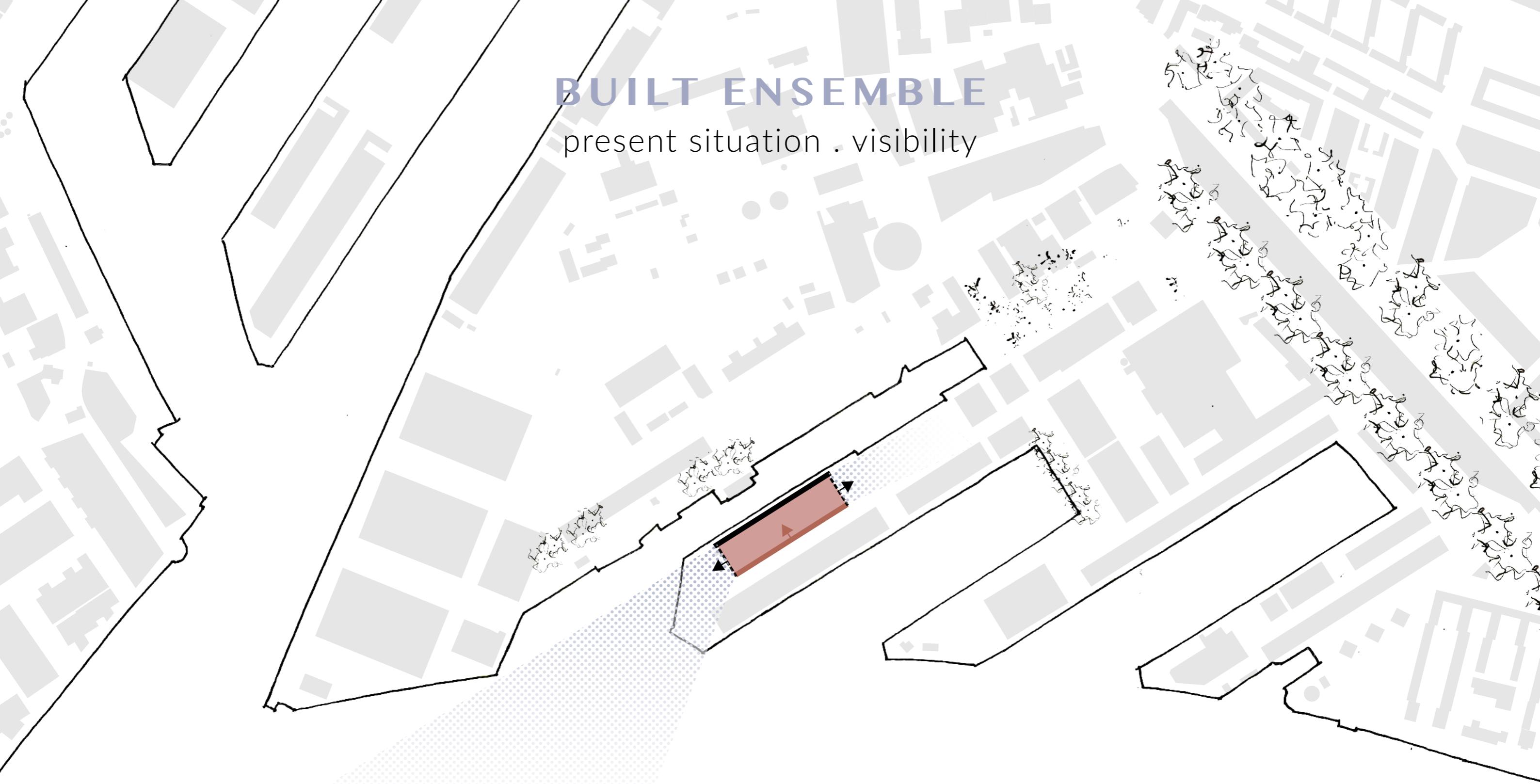
present situation . identity



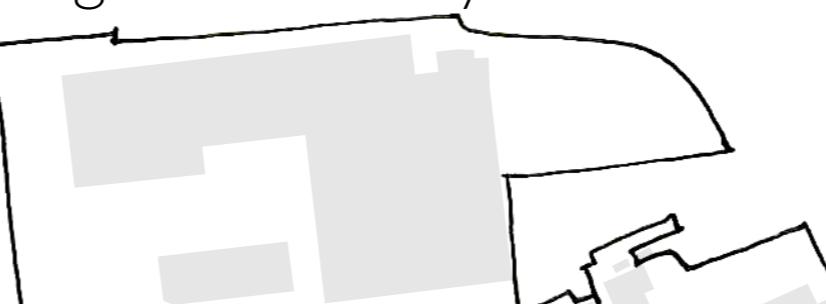


BUILT ENSEMBLE

present situation . visibility



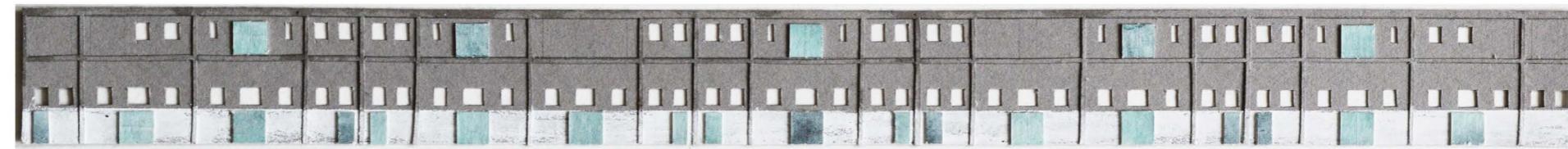
sight hierarchy





BUILDING

present situation . skin tolerance



conservation & restoration

BUILDING

continuation . north facade . 1.200 . Keilehaven quay





BUILDING

continuation . west facade . 1.200 . Maas river



BUILDING

continuation . east facade . 1.200 . Pier street





BUILDING

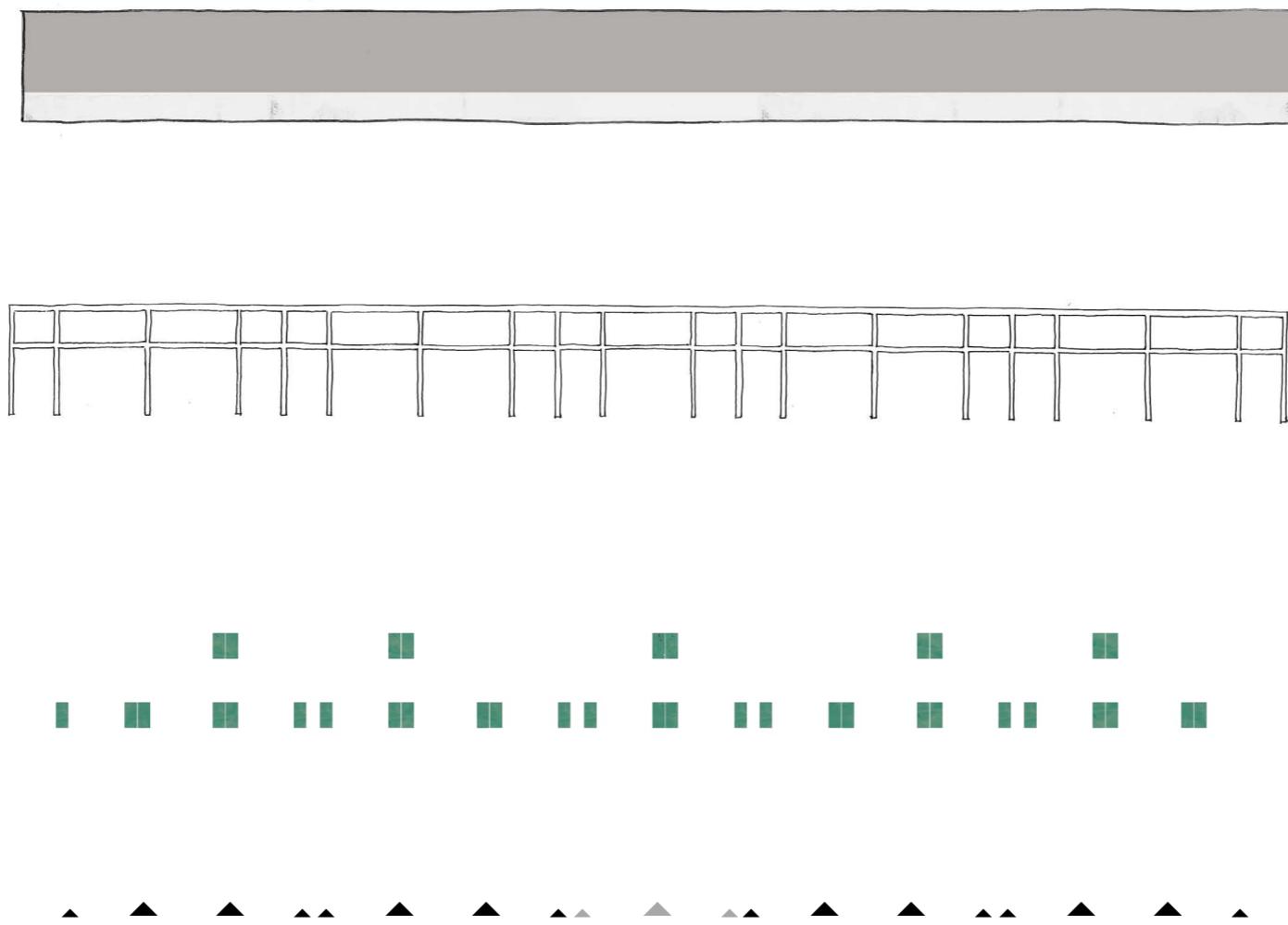
present situation . skin tolerance



conservation & restoration

BUILDING

present situation . rythm



BUILDING

continuation . rythm



BUILDING

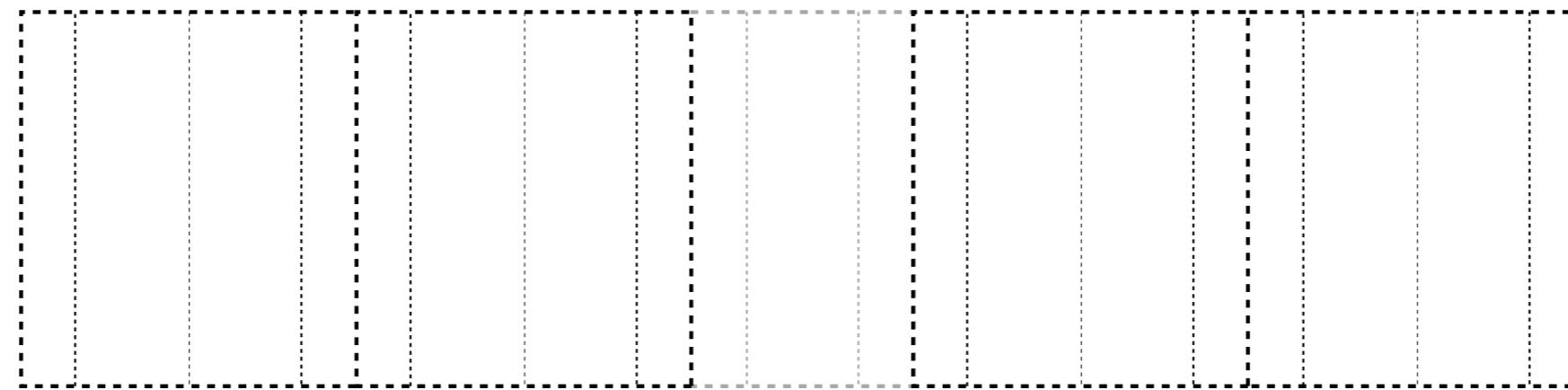
continuation . south facade . 1.200 . Keilestraat





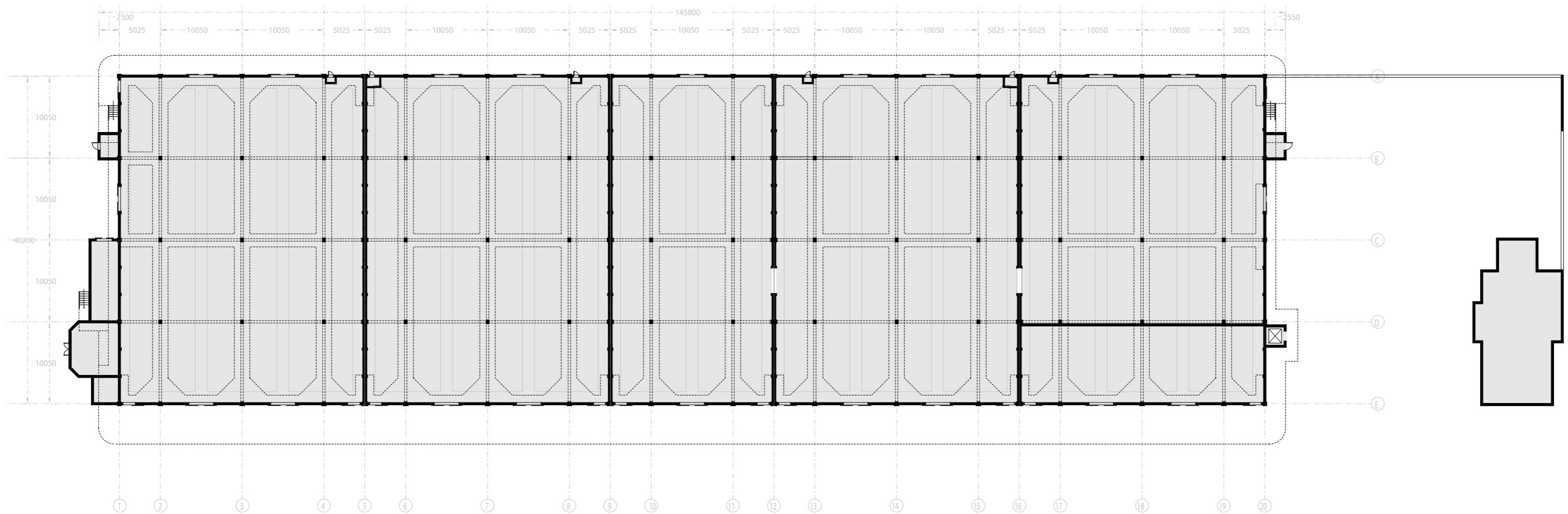
BUILDING

continuation . enter



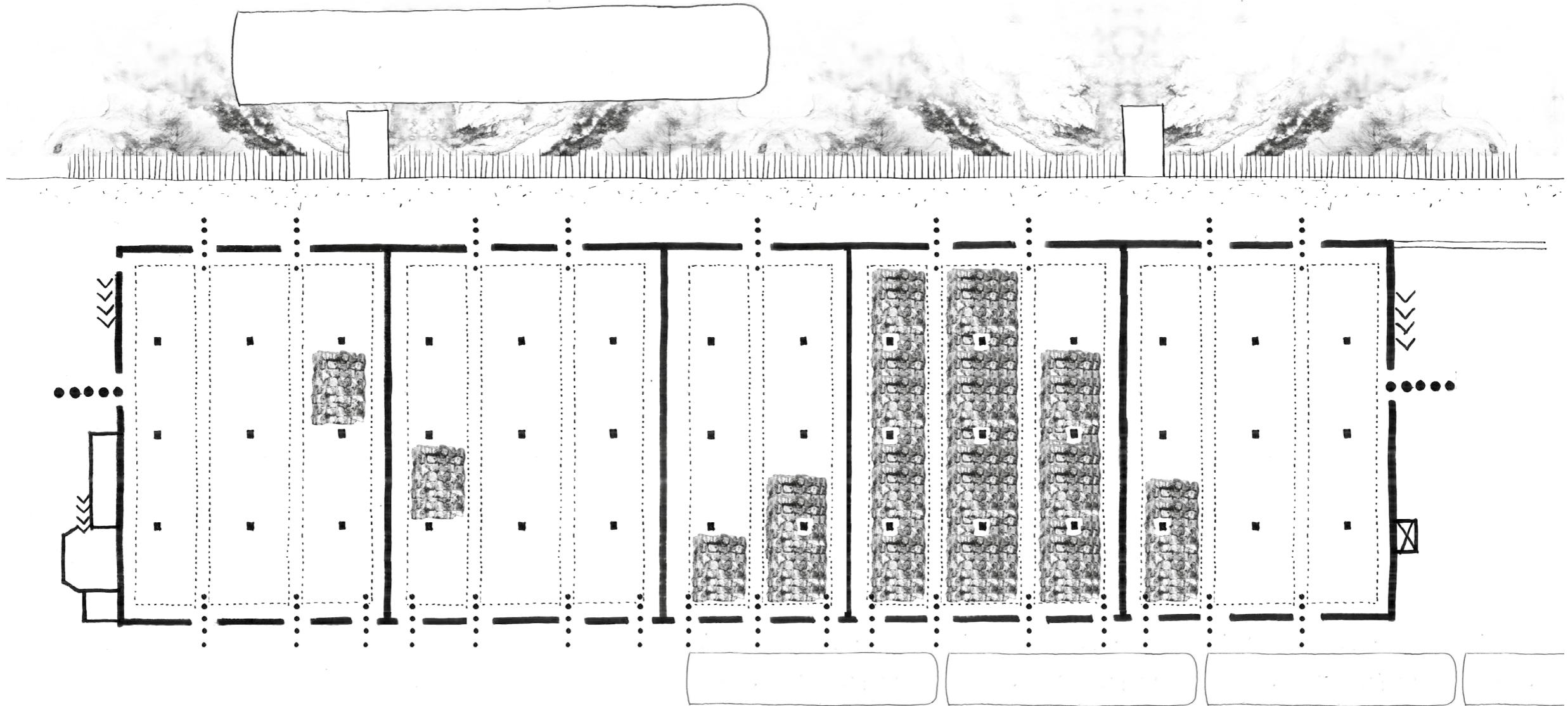
BUILDING

present situation . enter



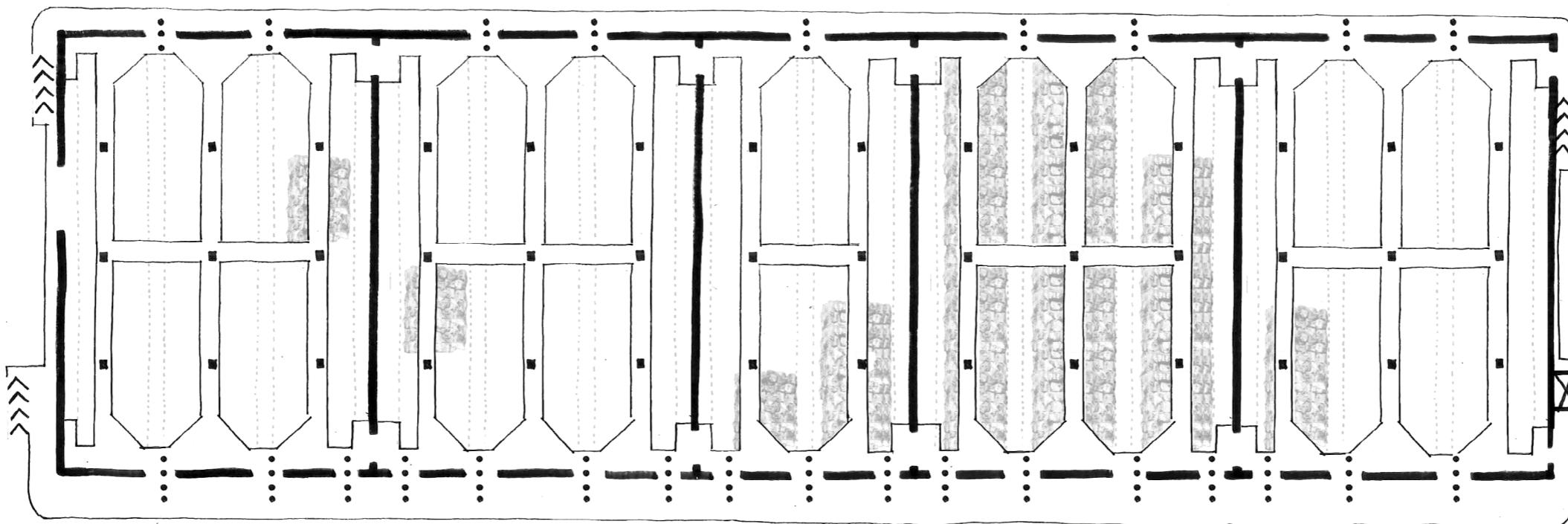
BUILDING

historic setting . efficiency



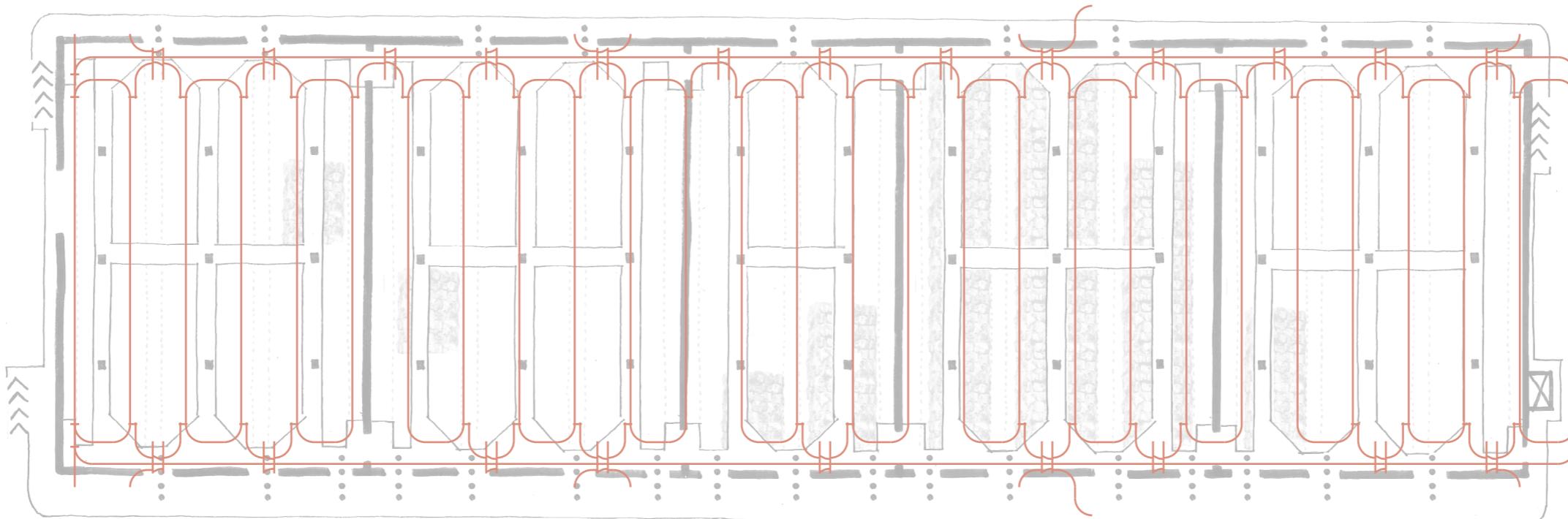
BUILDING

historic setting . efficiency



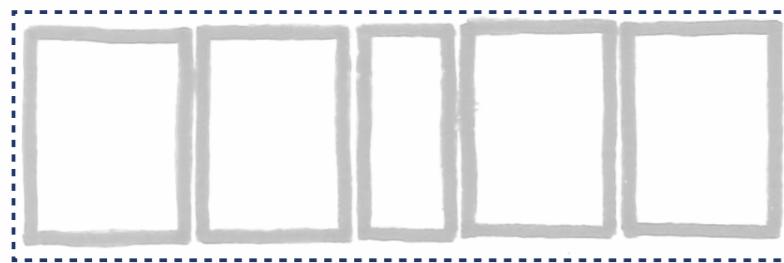
BUILDING

historic setting . efficiency

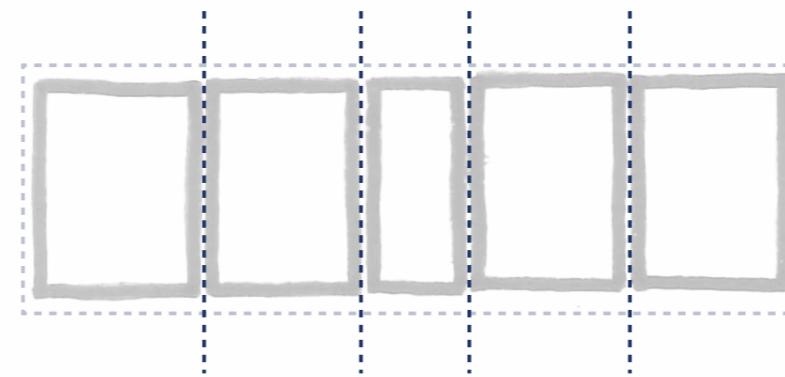


BUILDING

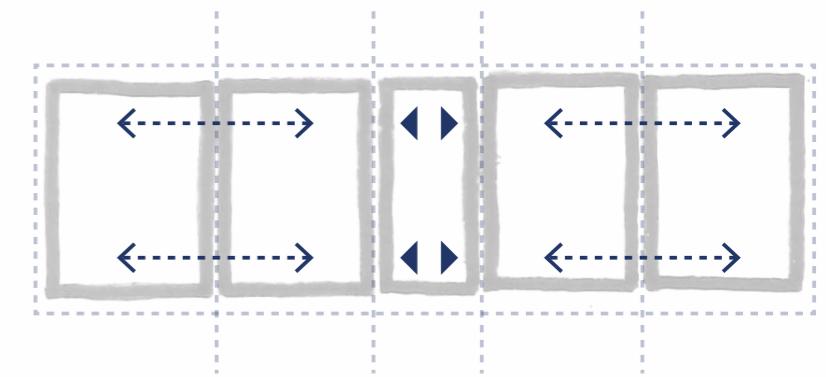
presen situation . efficiency



space



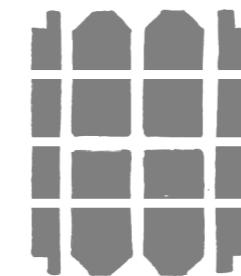
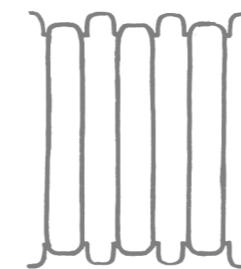
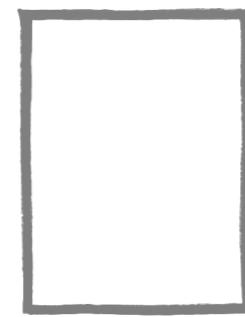
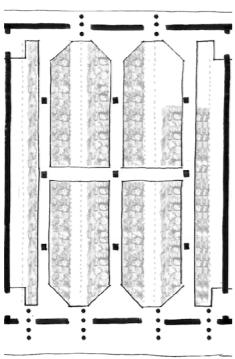
division



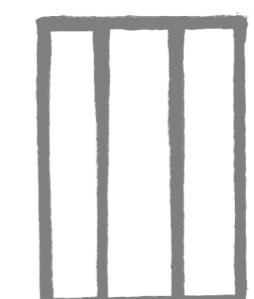
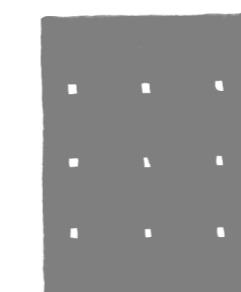
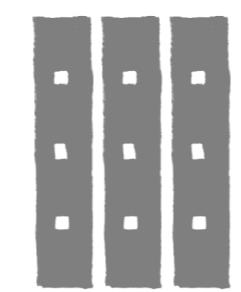
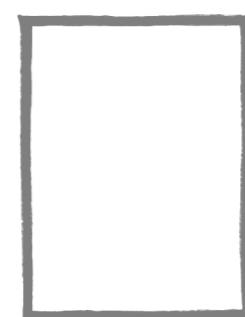
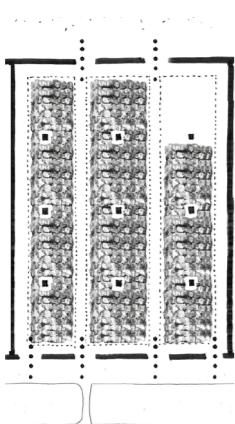
internal routing

BUILDING

presen situation . operation layers



01



00

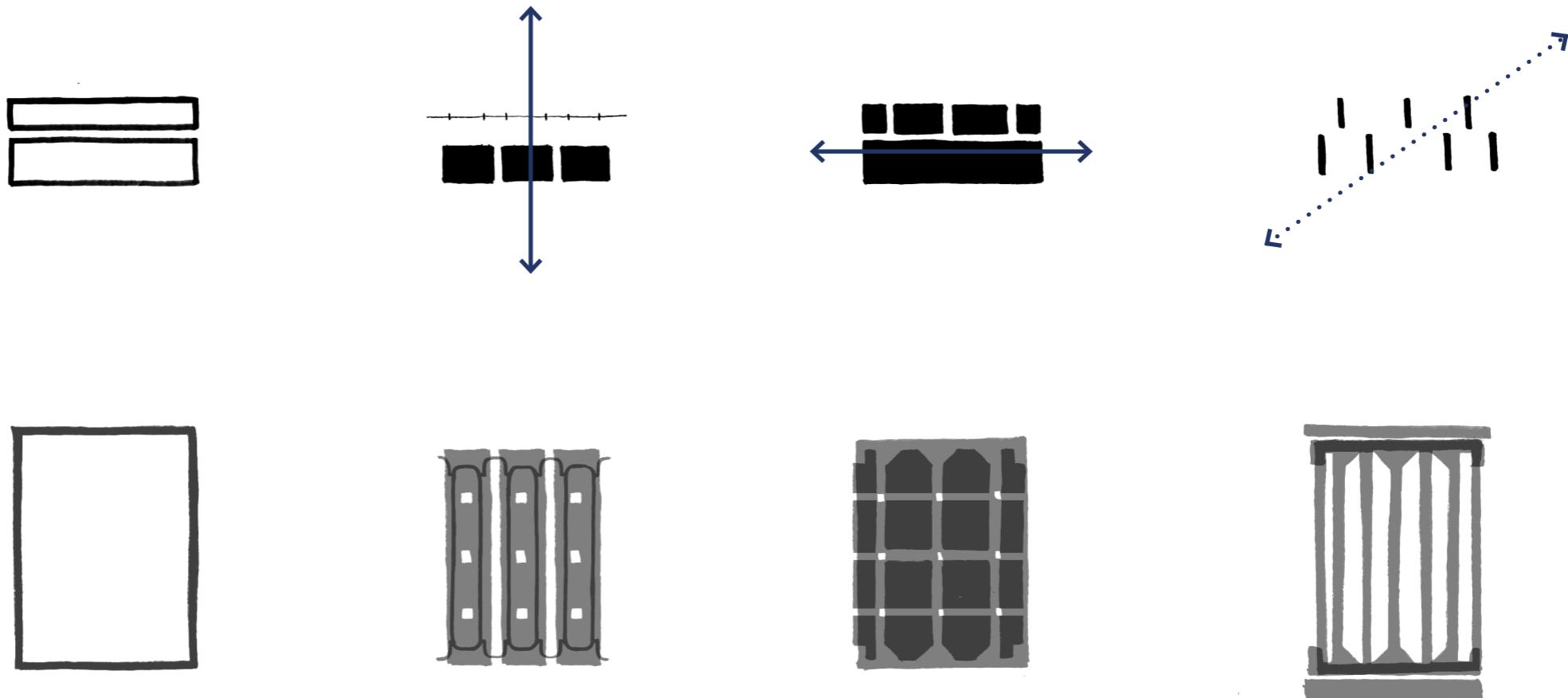
material

space

people

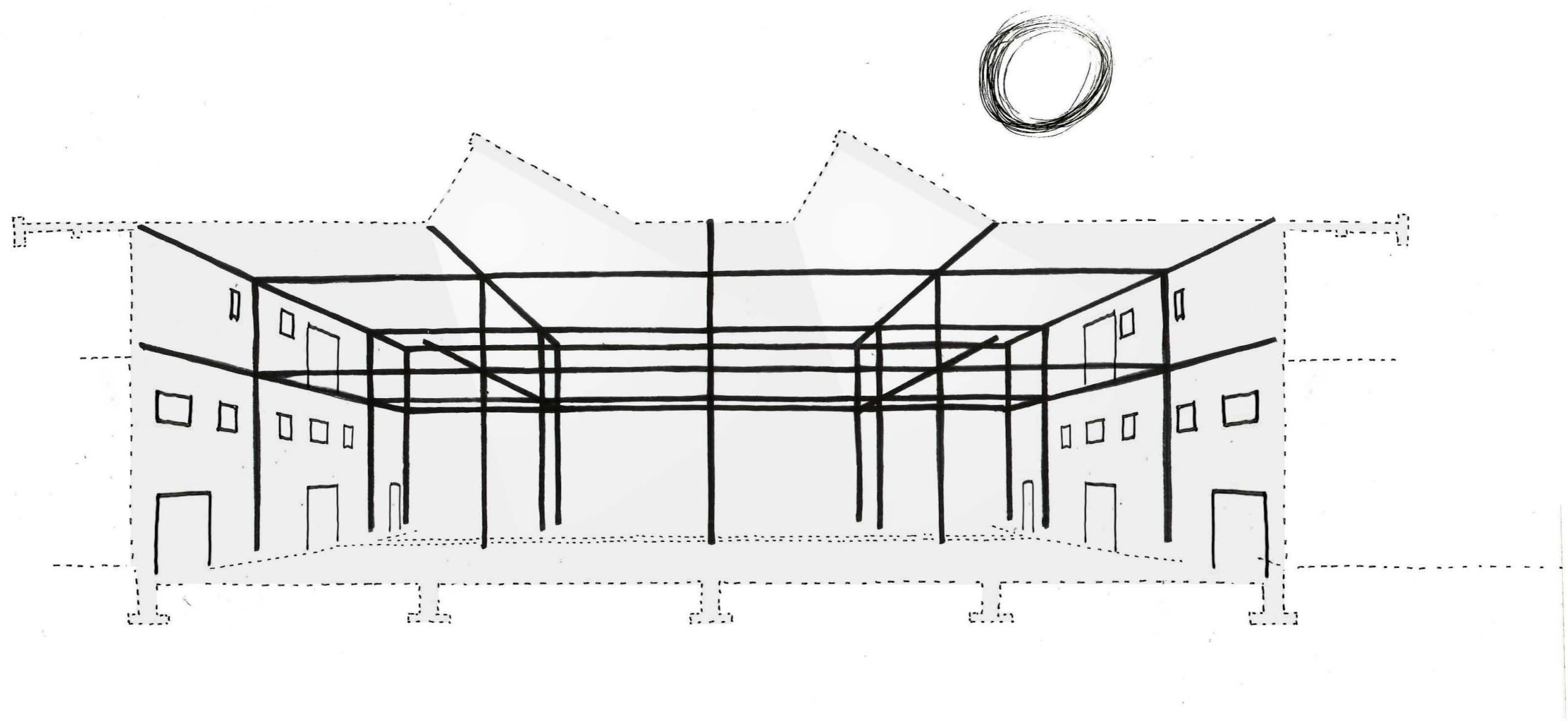
BUILDING

presen situation . operation layers



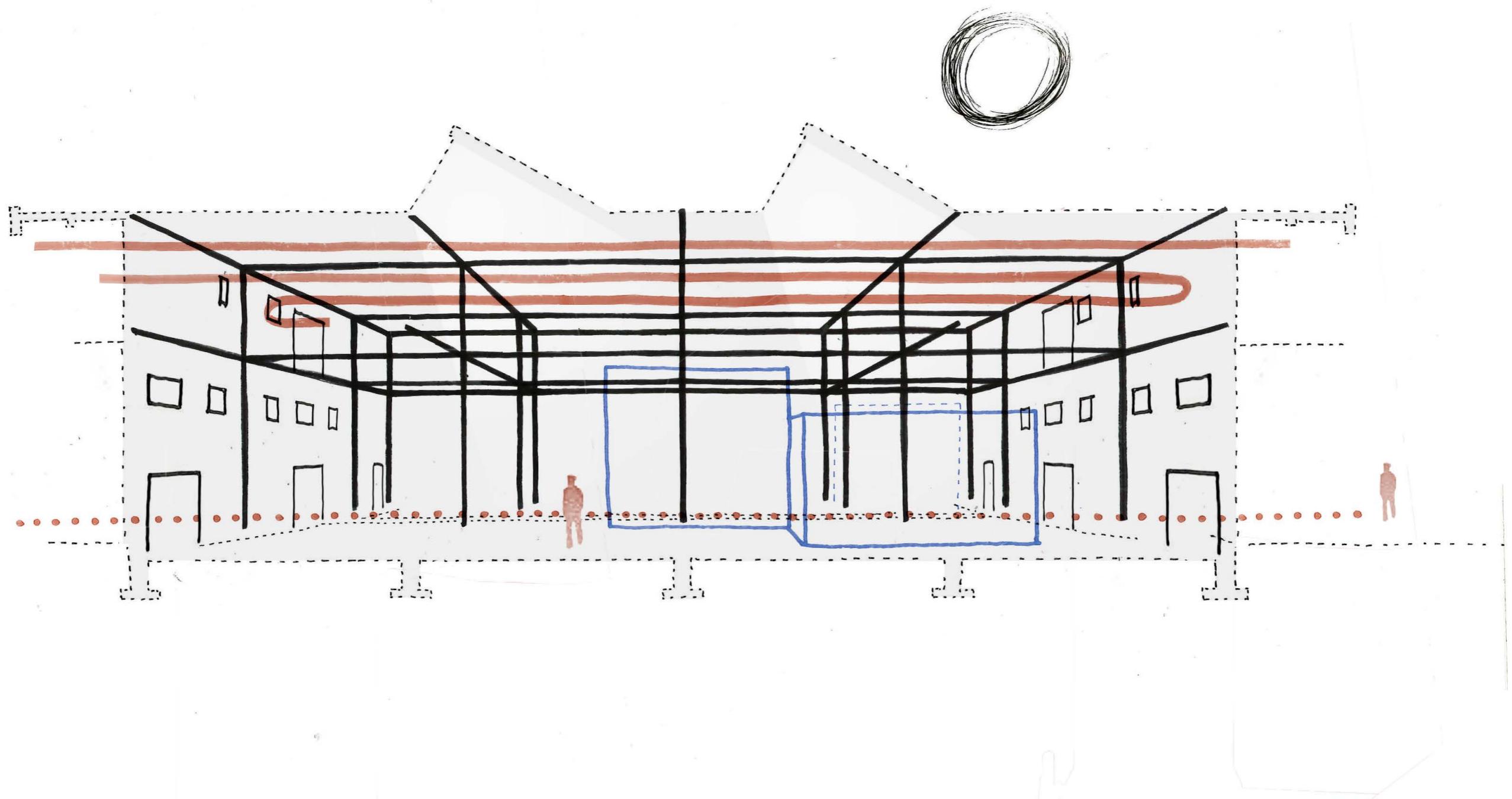
BUILDING

present situation . space



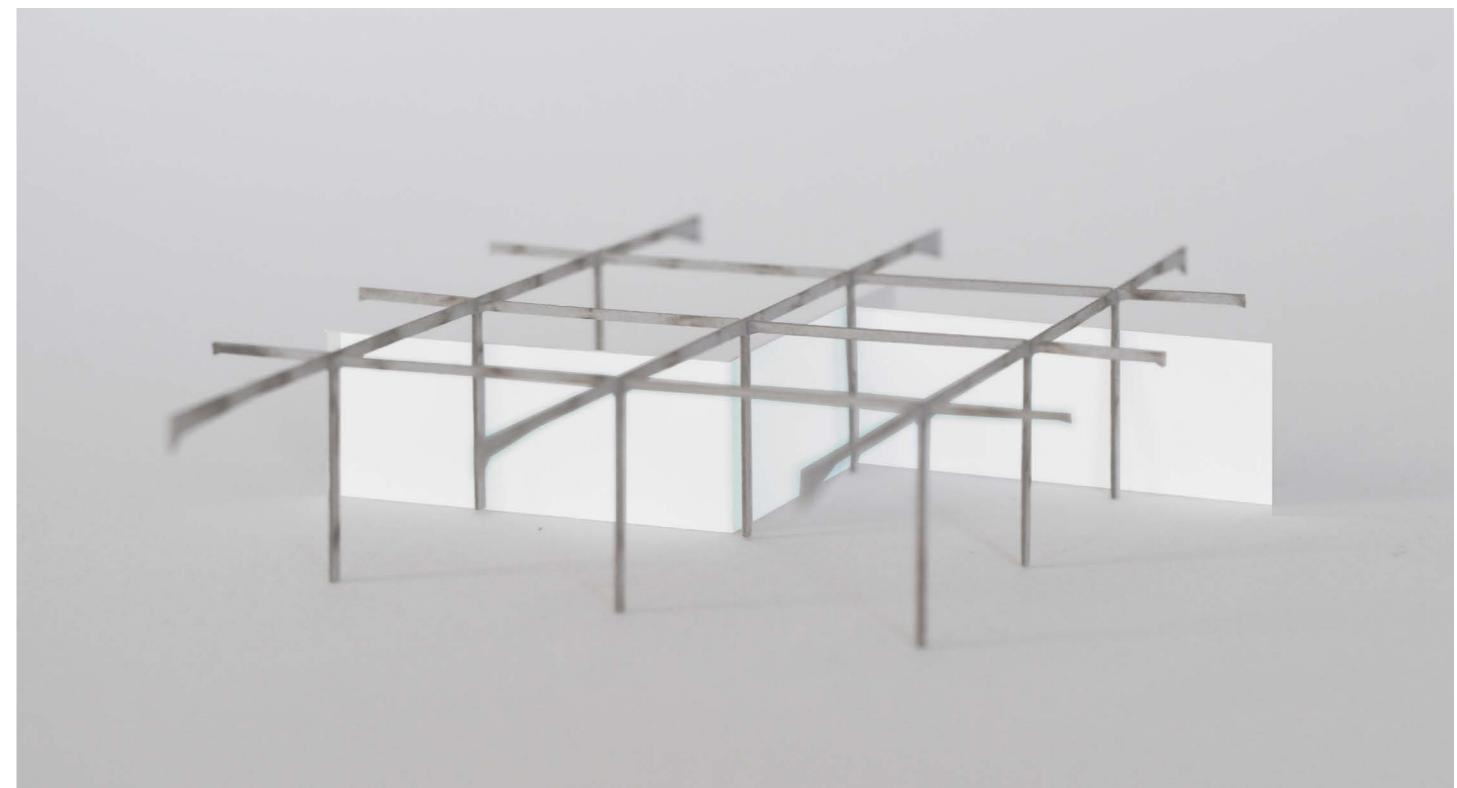
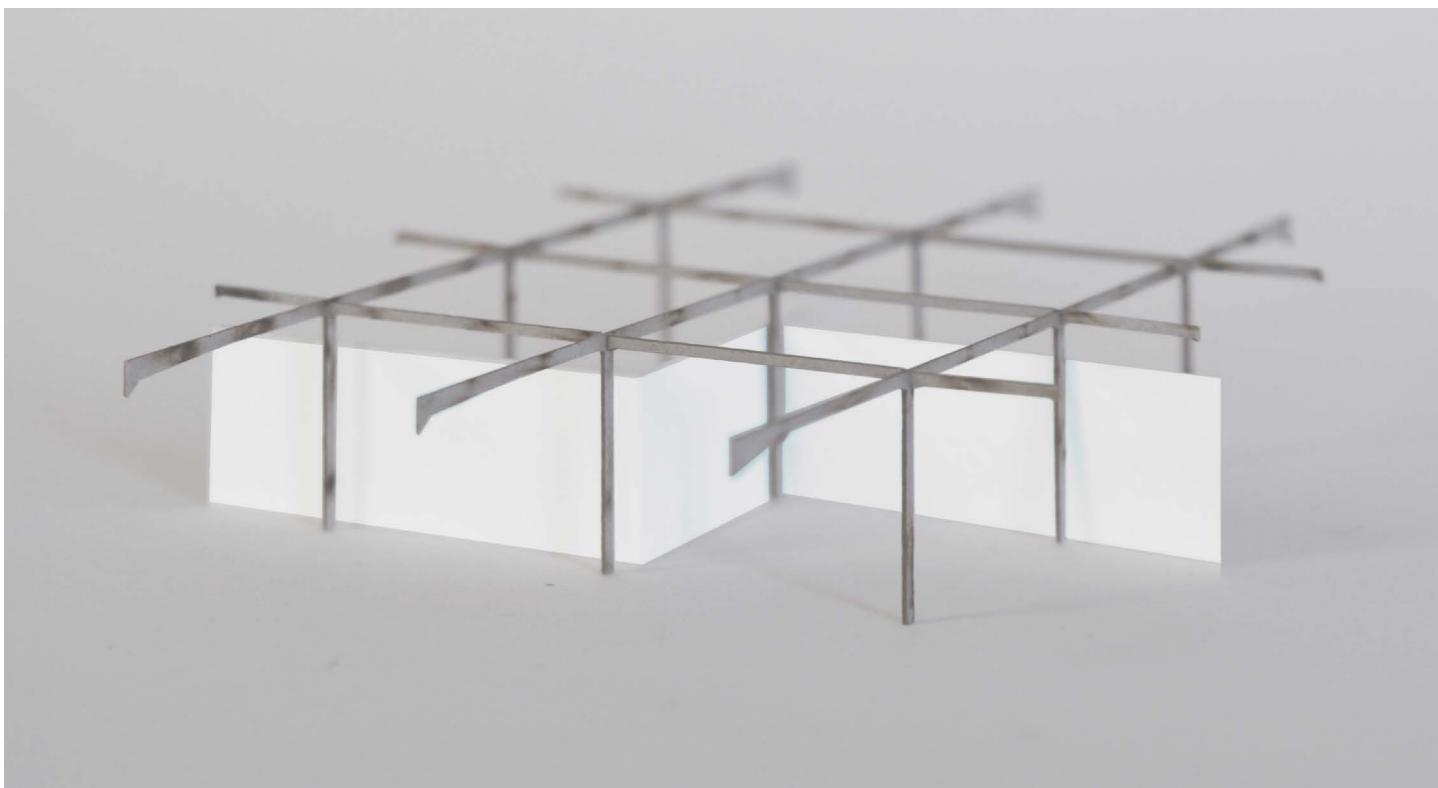
BUILDING

present situation . dilemma's



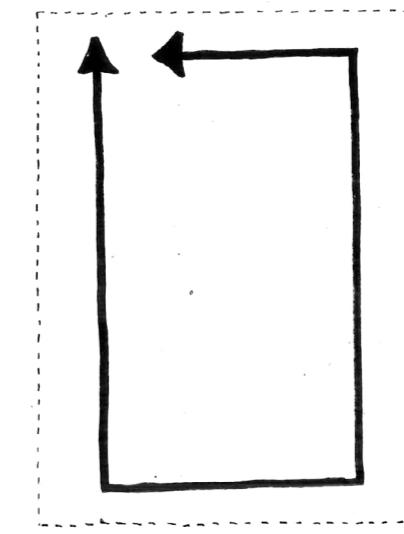
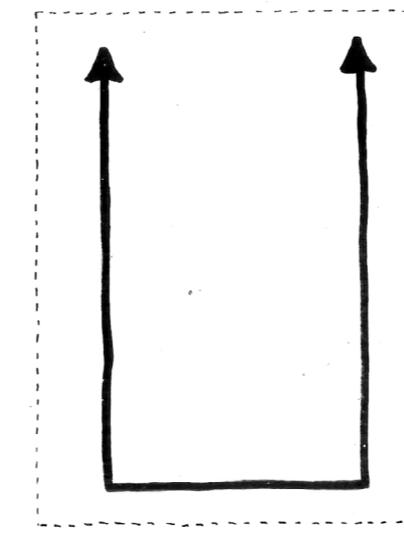
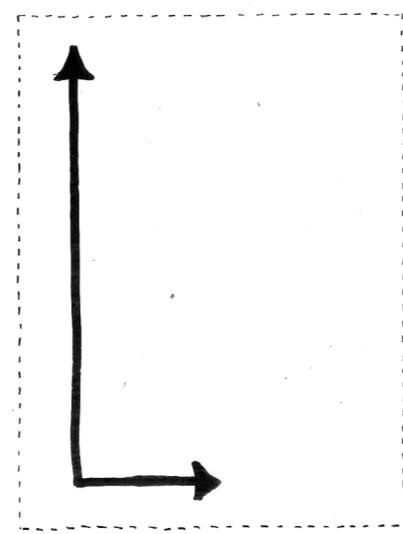
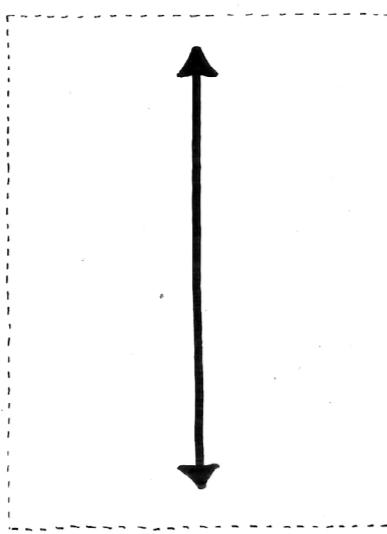
BUILDING

continuation . space tolerance



BUILDING

continuation . space tolerance



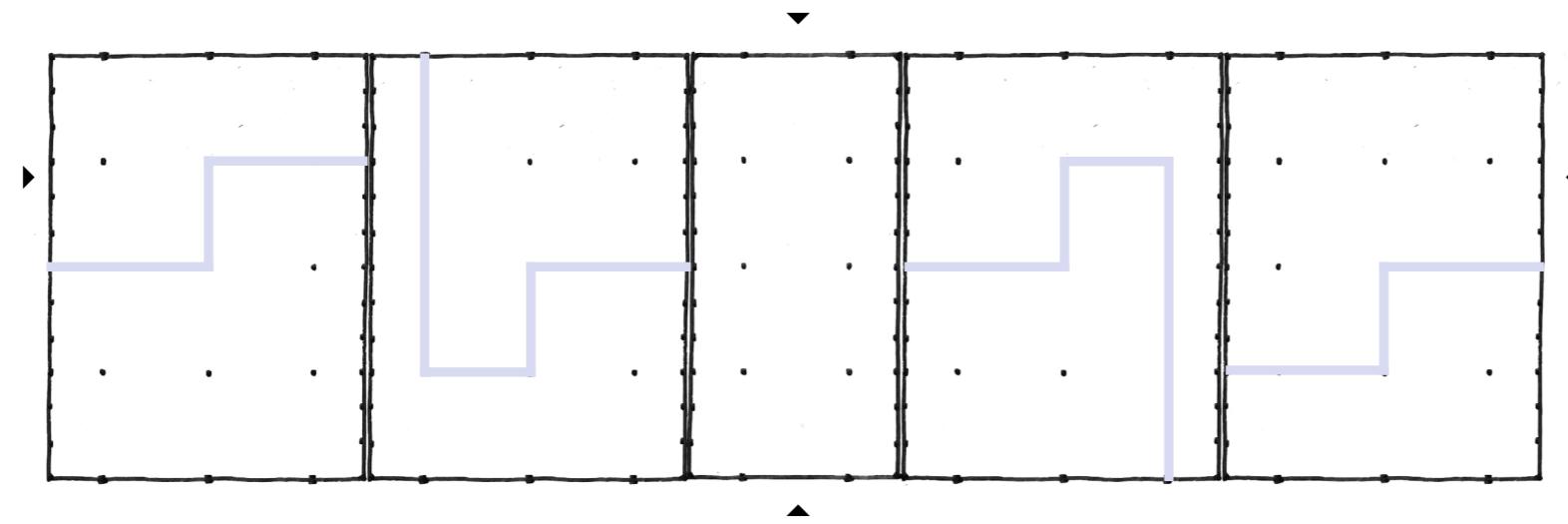
I & L small production

U & O large production

According to Neufert, E., & Neufert, P., x, p. 375

BUILDING

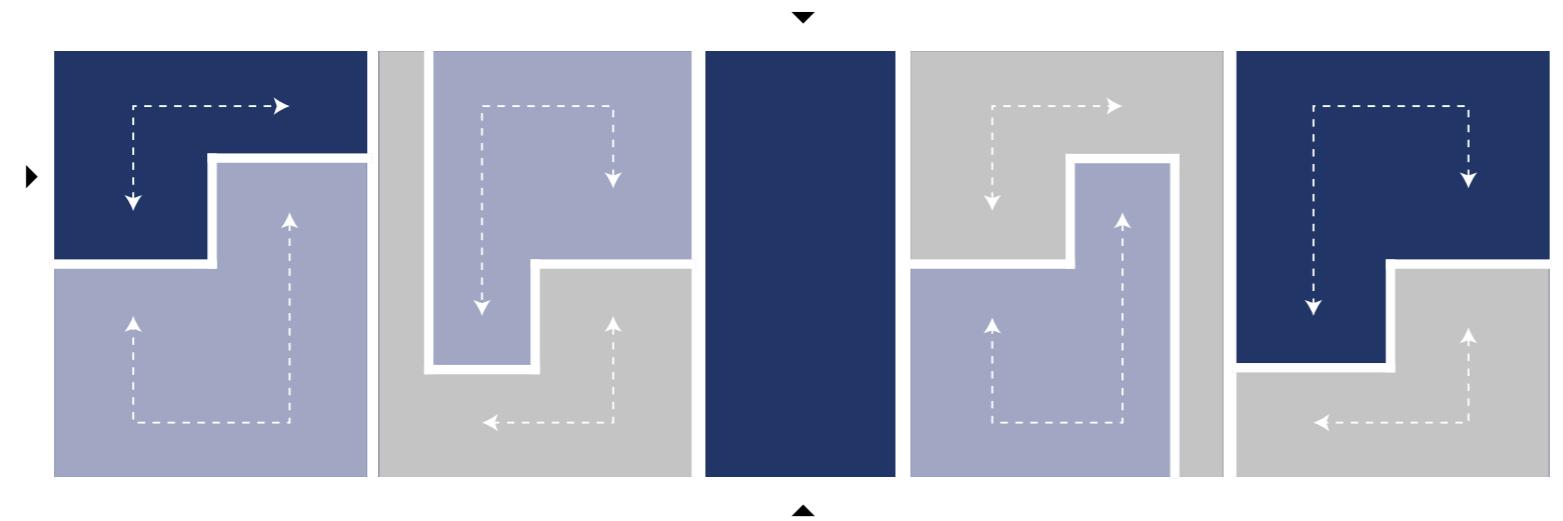
continuation . space tolerance



structures

BUILDING

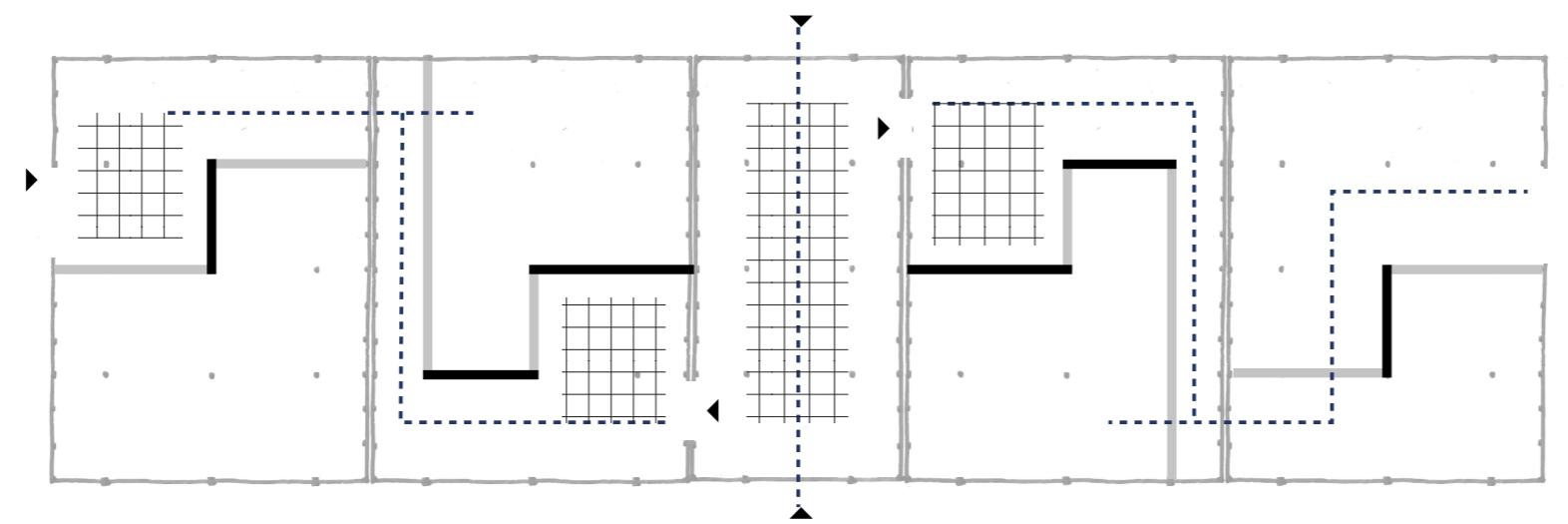
continuation . space tolerance



workflow

BUILDING

continuation . space tolerance



circulation

BUILDING

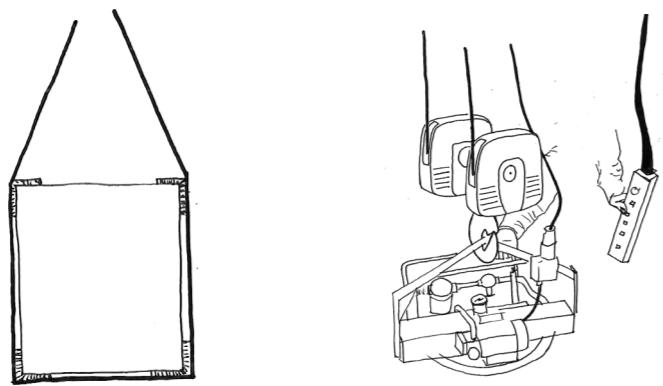
continuation . Plan 00 . 1.200 . Innoveem



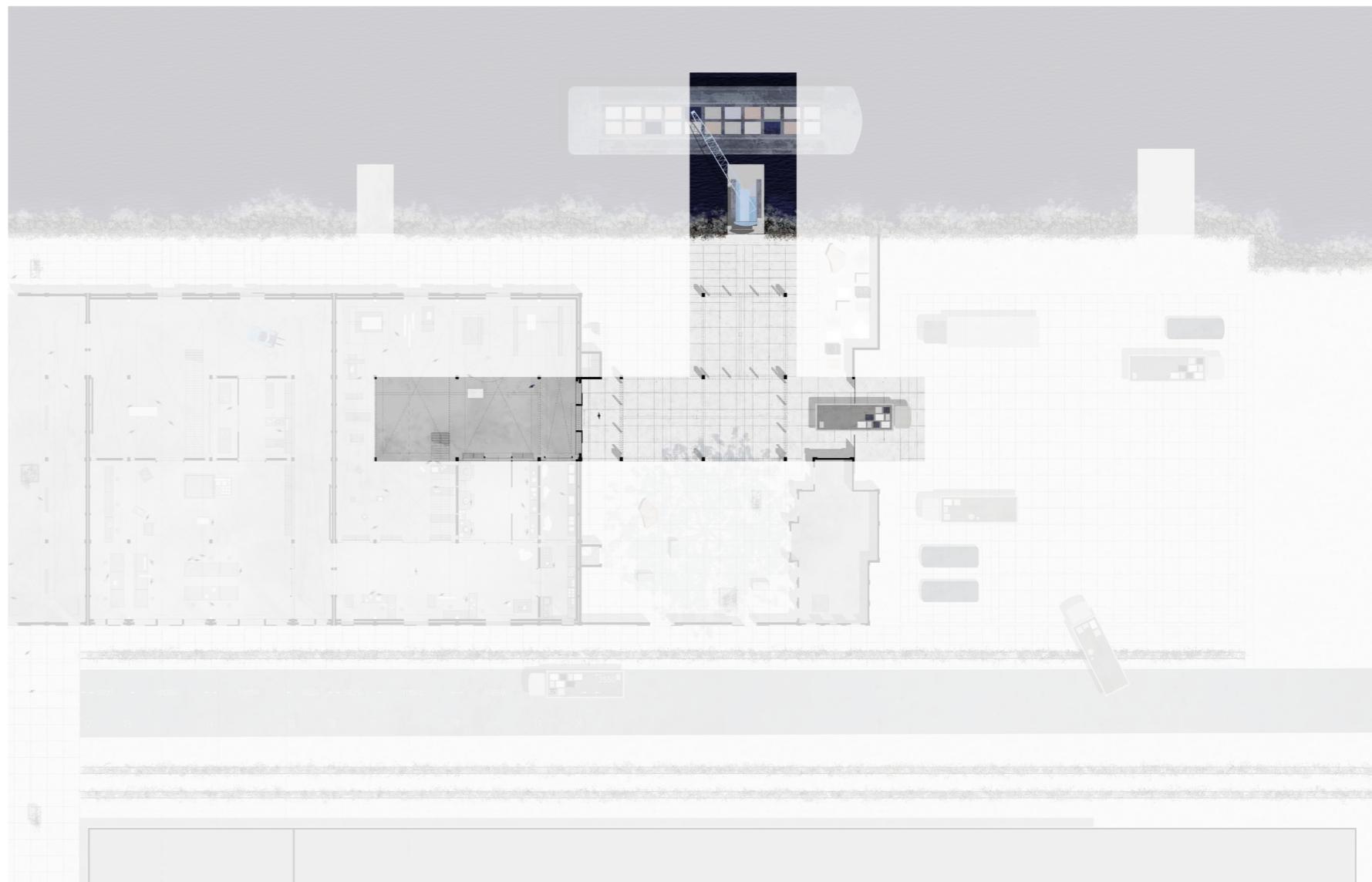


BUILDING

continuation . Plan 00 . 1.200 . Innoveem . Research Workshop

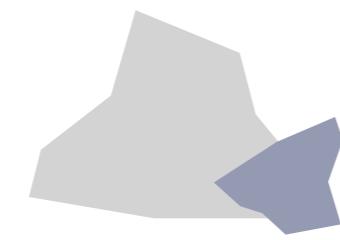


hoist tackle
pneumatic equipment



BUILDING

continuation . Plan 00 . 1.200 . Innoveem . Research Workshop

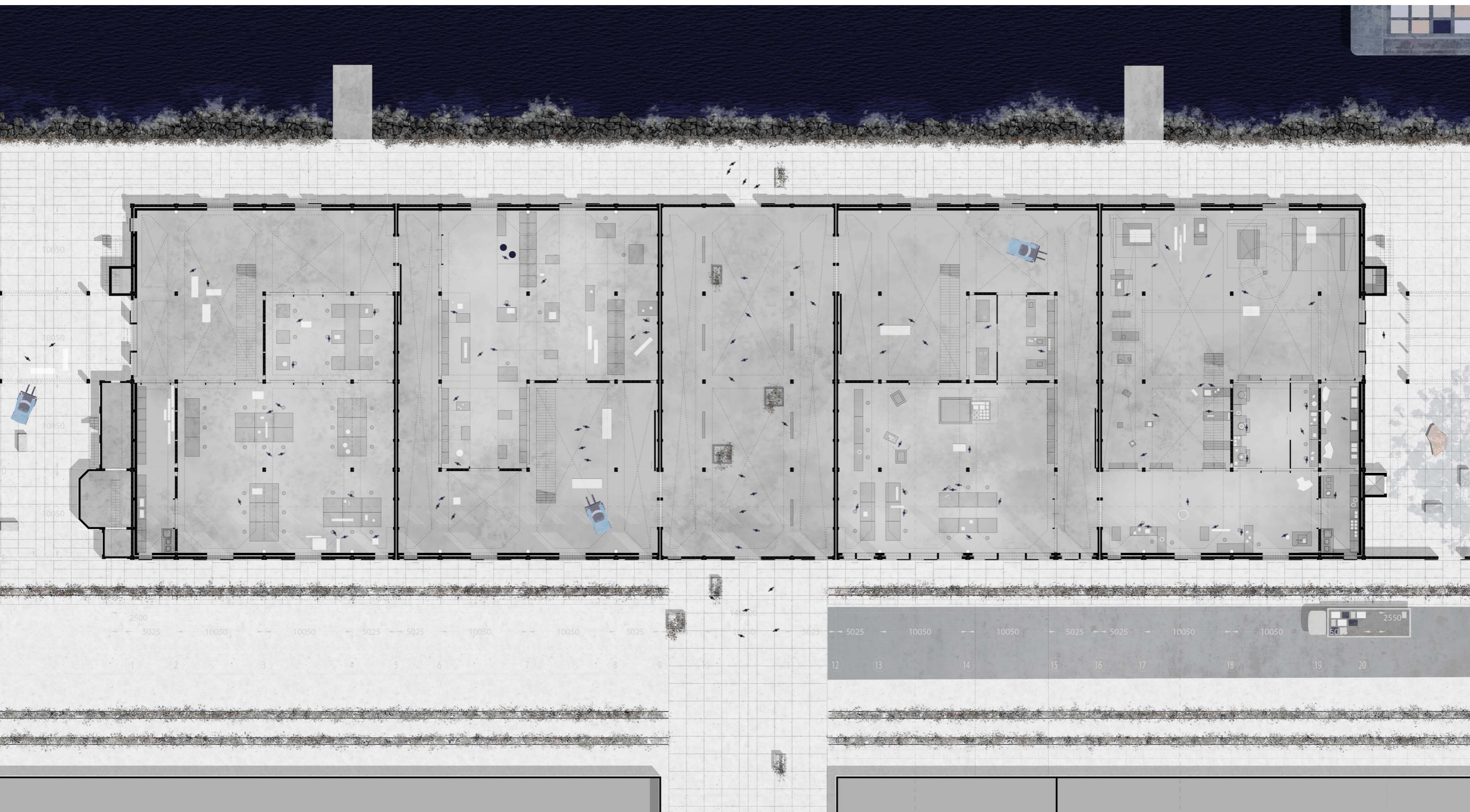


storage



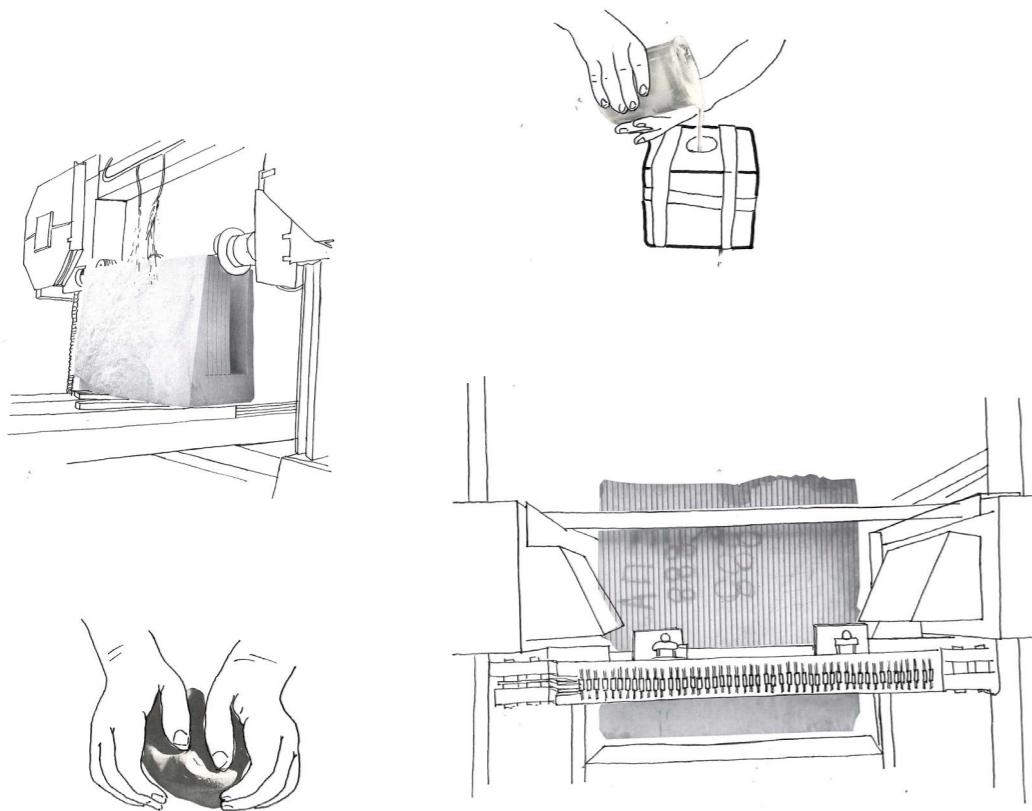
BUILDING

continuation . Plan 00 . 1.200 . Innoveem . Research Workshop

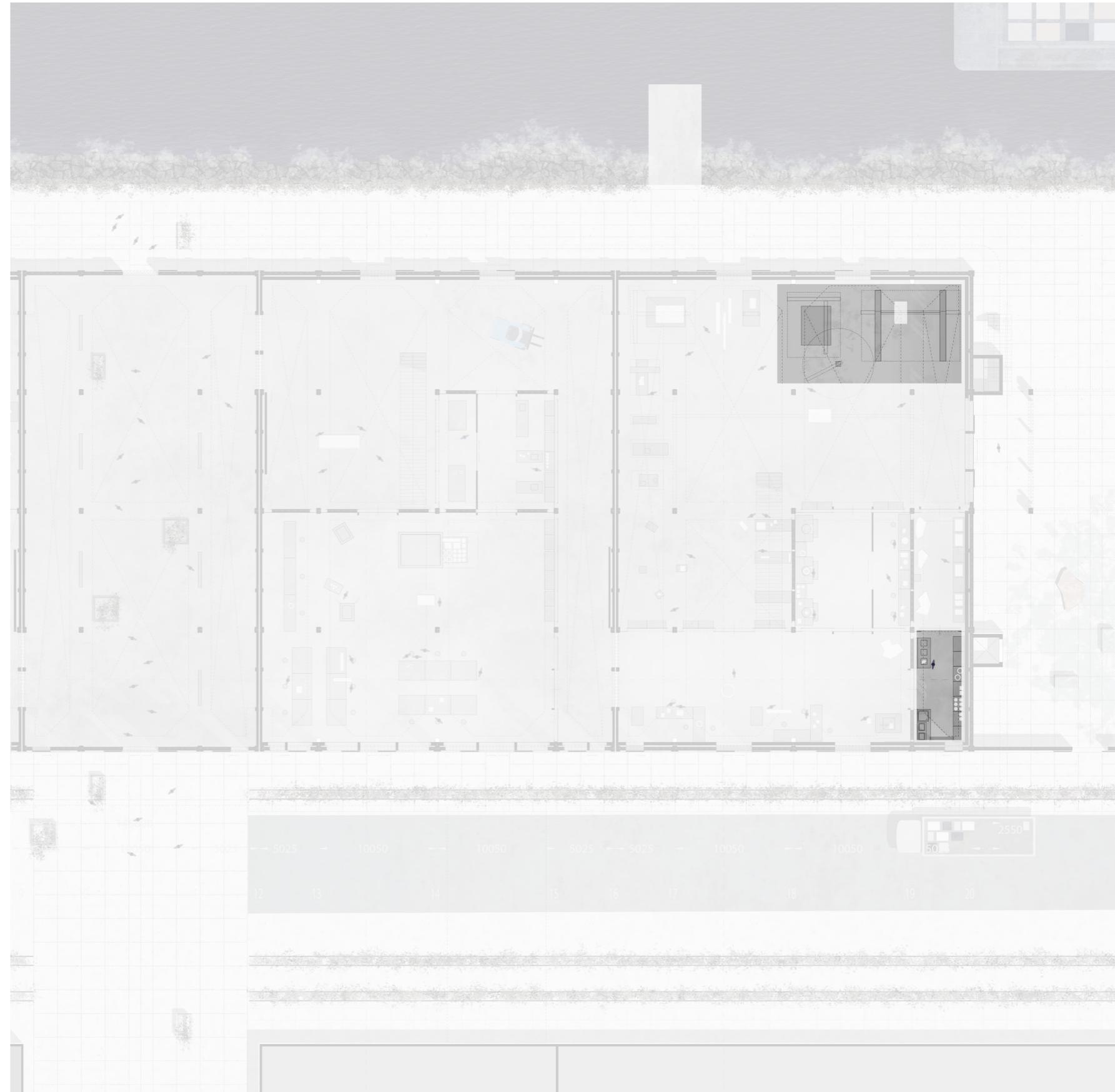


BUILDING

continuation . Plan 00 . 1.200 . Innoveem . Research Workshop

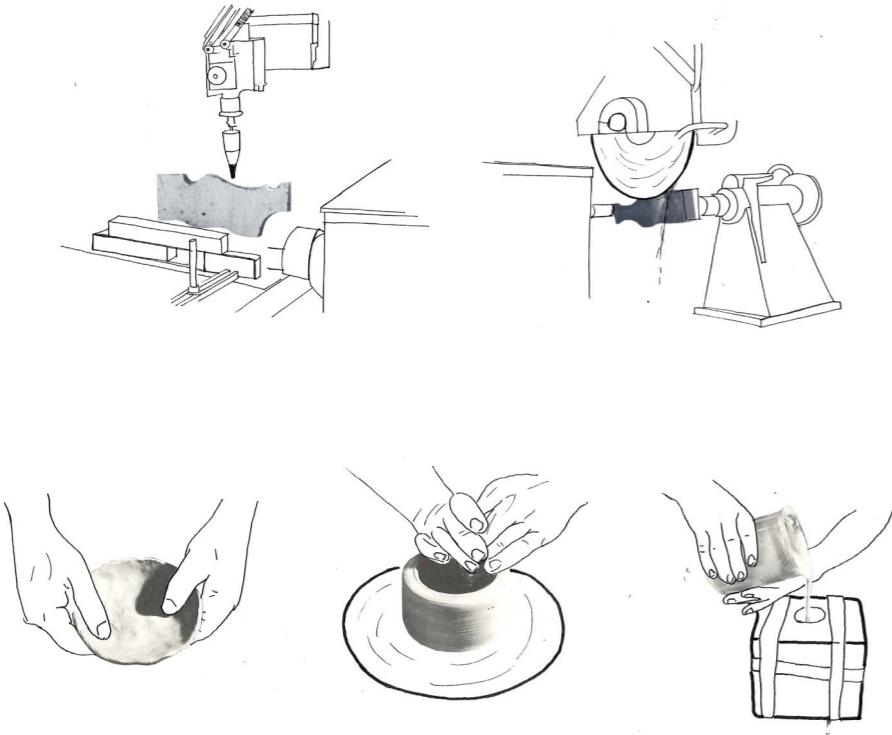


rough preparation



BUILDING

continuation . Plan 00 . 1.200 . Innoveem . Research Workshop



precise crafting

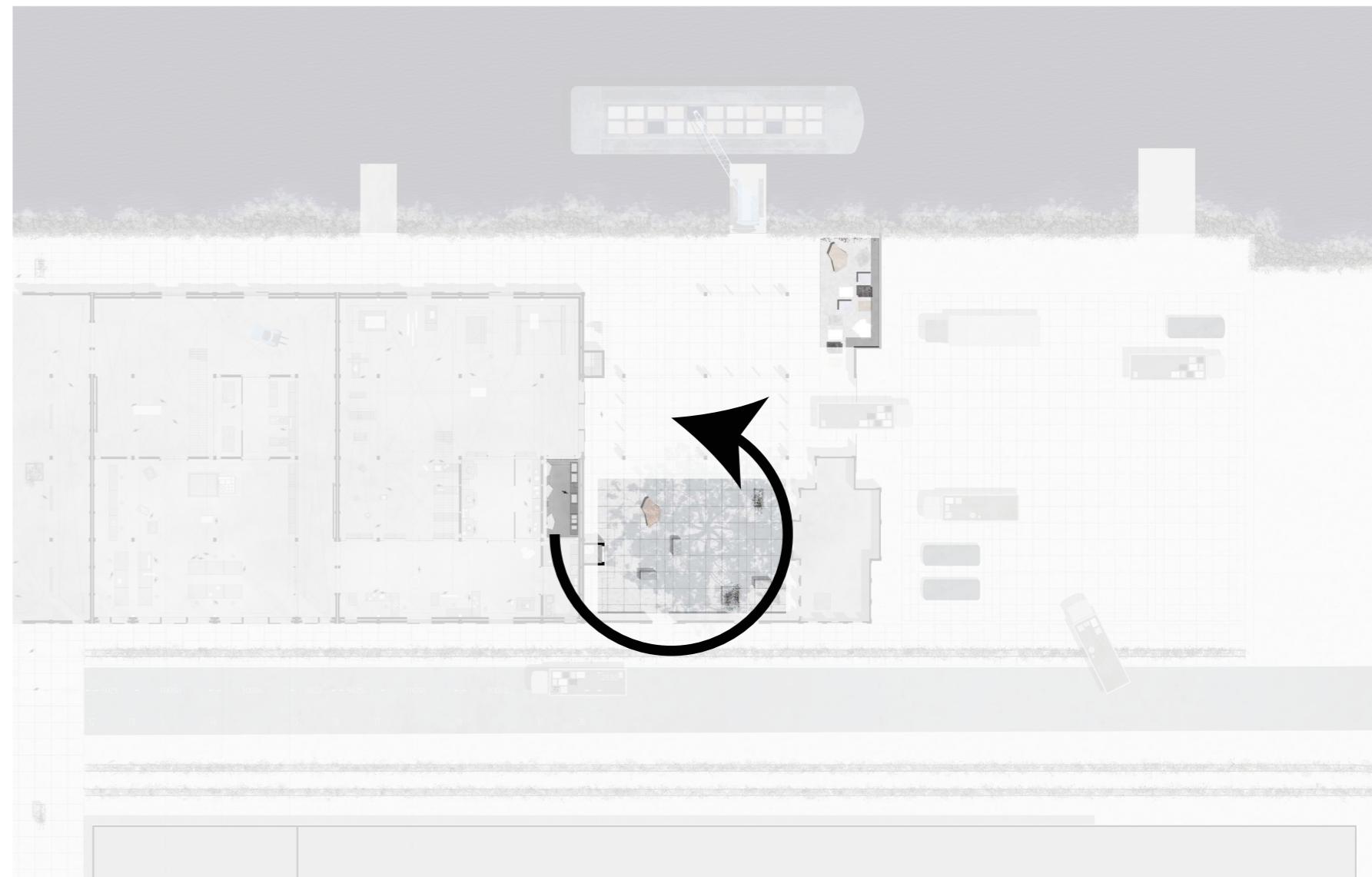


BUILDING

continuation . Plan 00 . 1.200 . Innoveem . Research Workshop

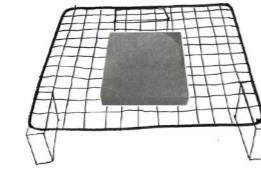
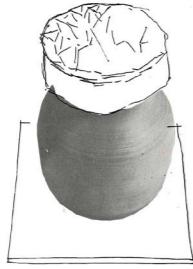


reuse rest / failure
other discipline

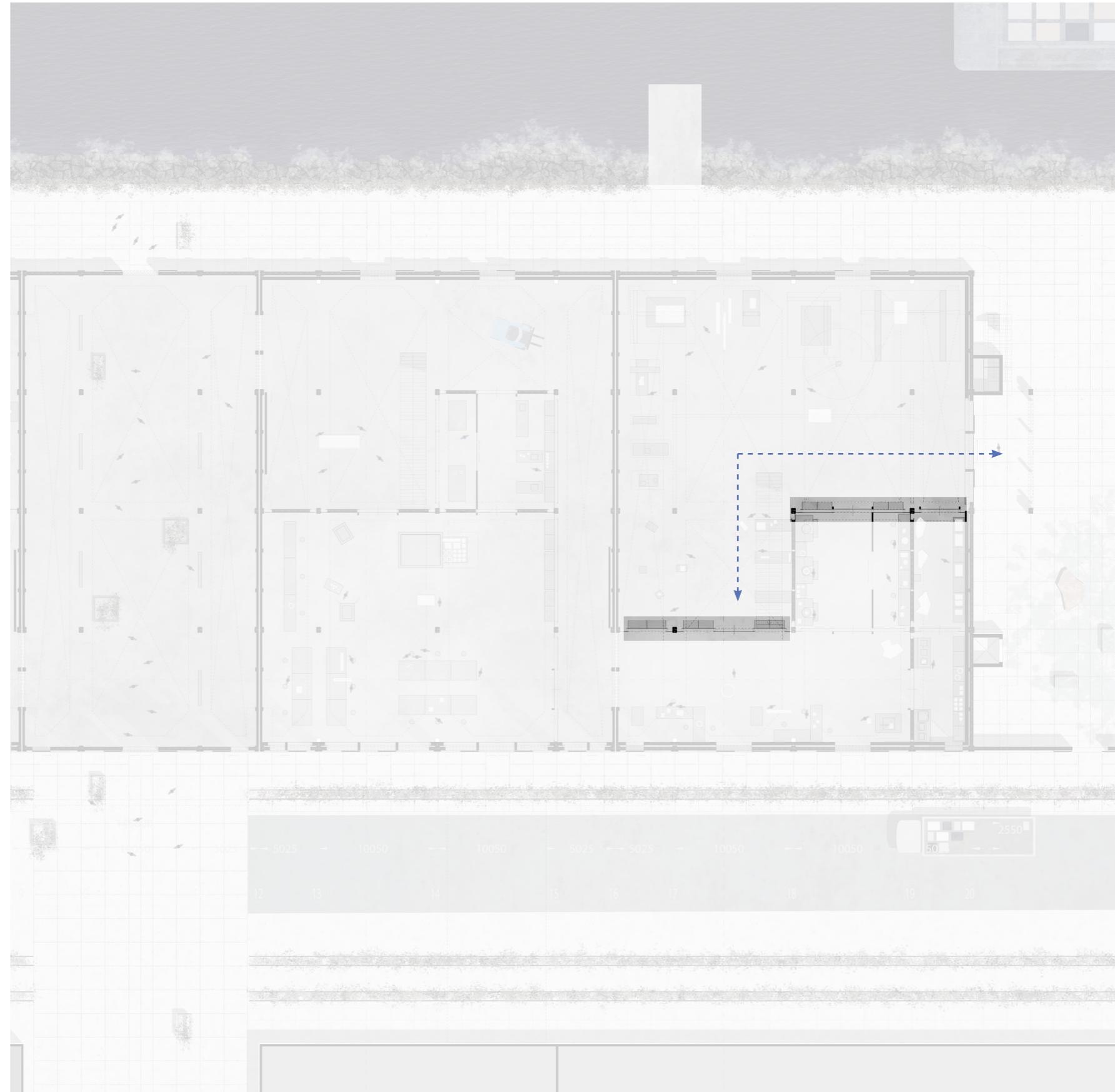


BUILDING

continuation . Plan 00 . 1.200 . Innoveem . Research Workshop

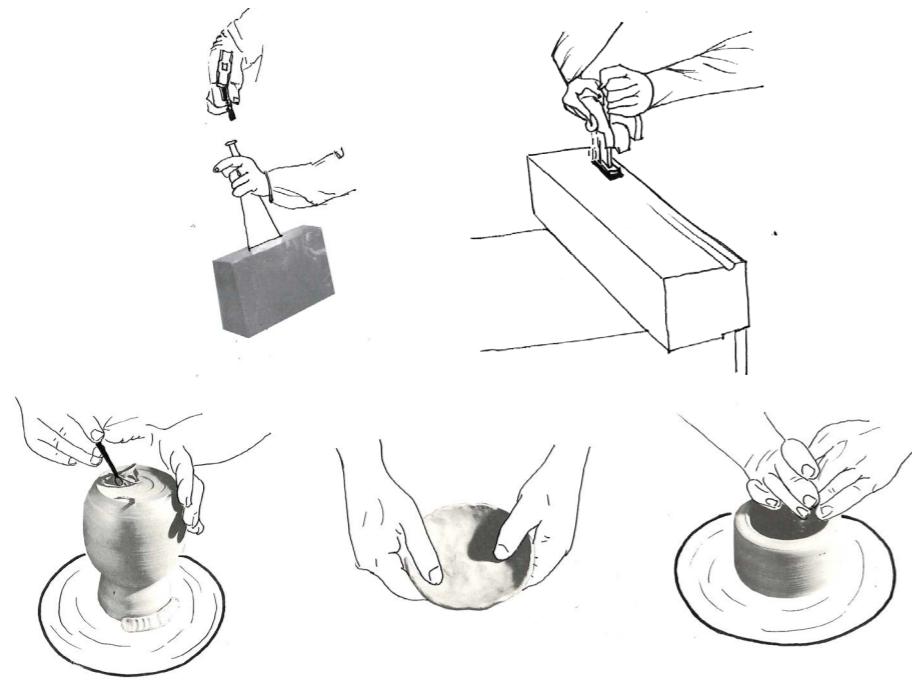


resting / storage

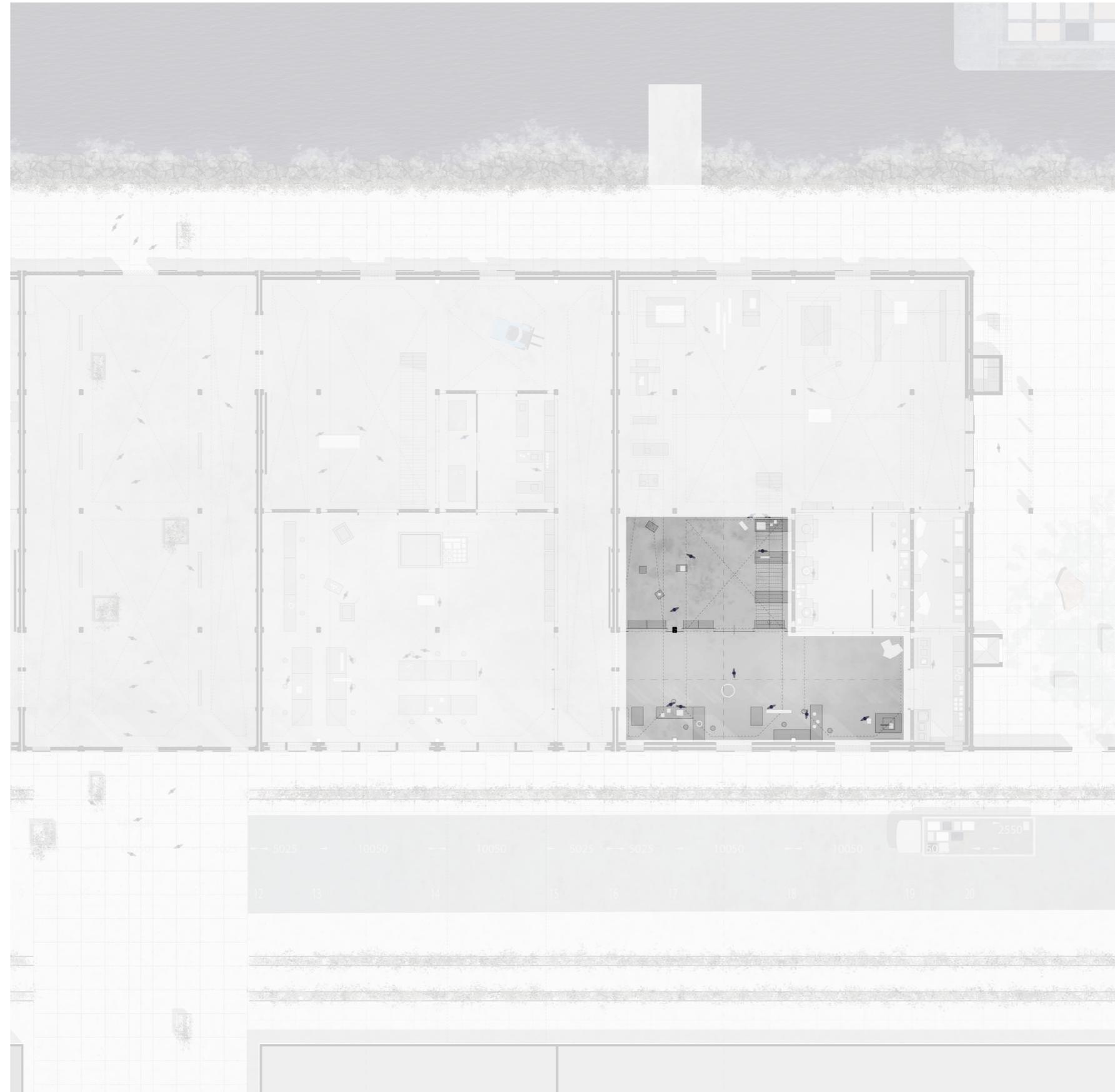


BUILDING

continuation . Plan 00 . 1.200 . Innoveem . Research Workshop



detailing

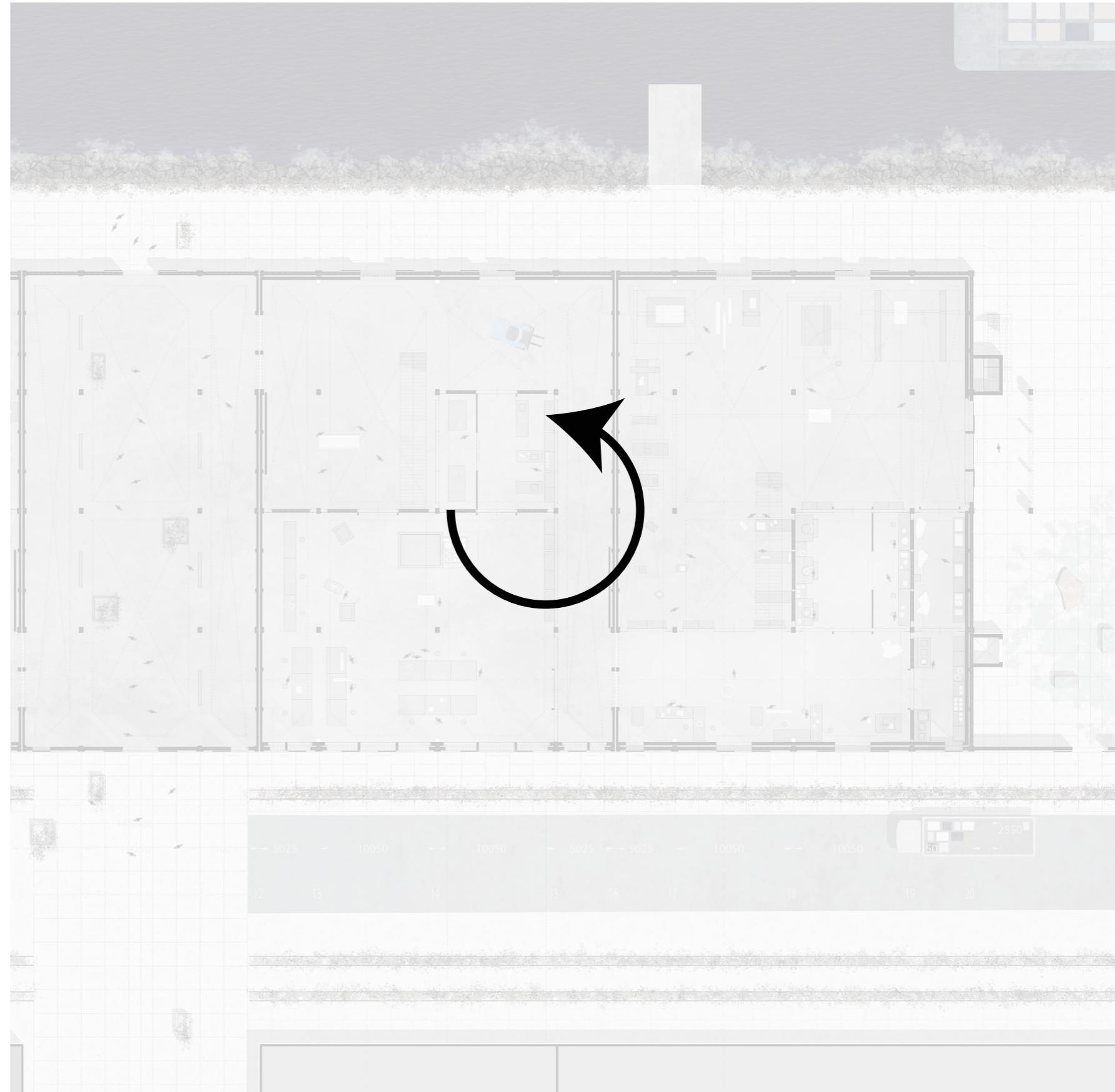


BUILDING

continuation . Plan 00 . 1.200 . Innoveem . Research Workshop

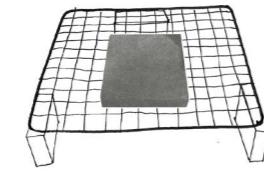
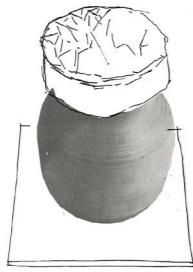


reuse rest / failure
other discipline

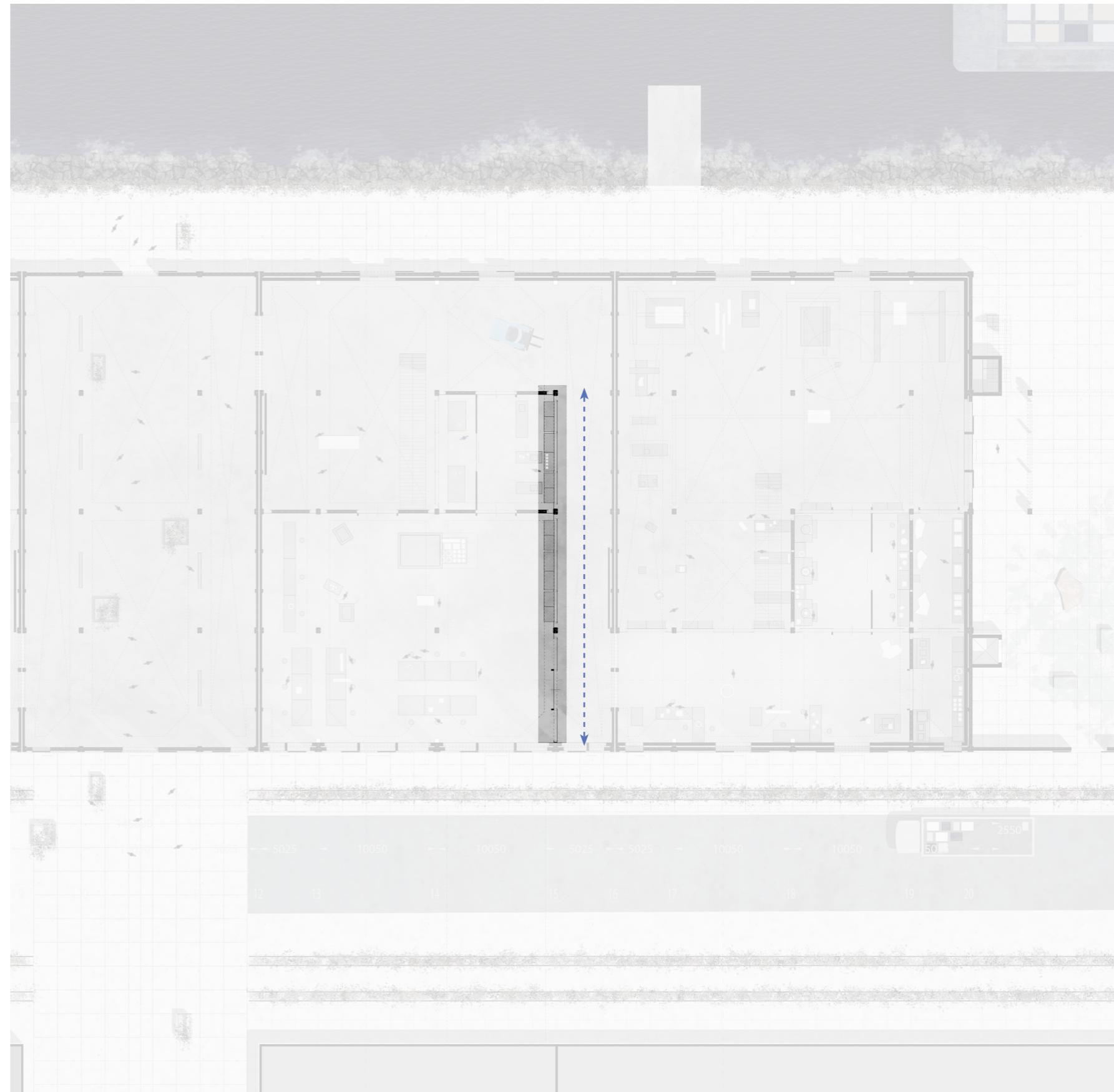


BUILDING

continuation . Plan 00 . 1.200 . Innoveem . Research Workshop

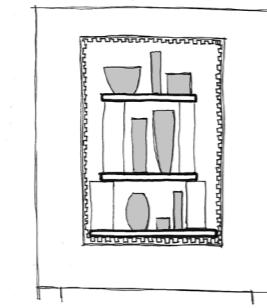
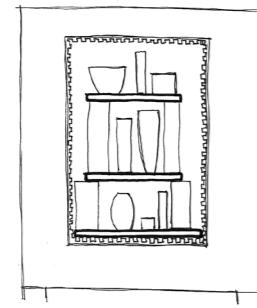


drying

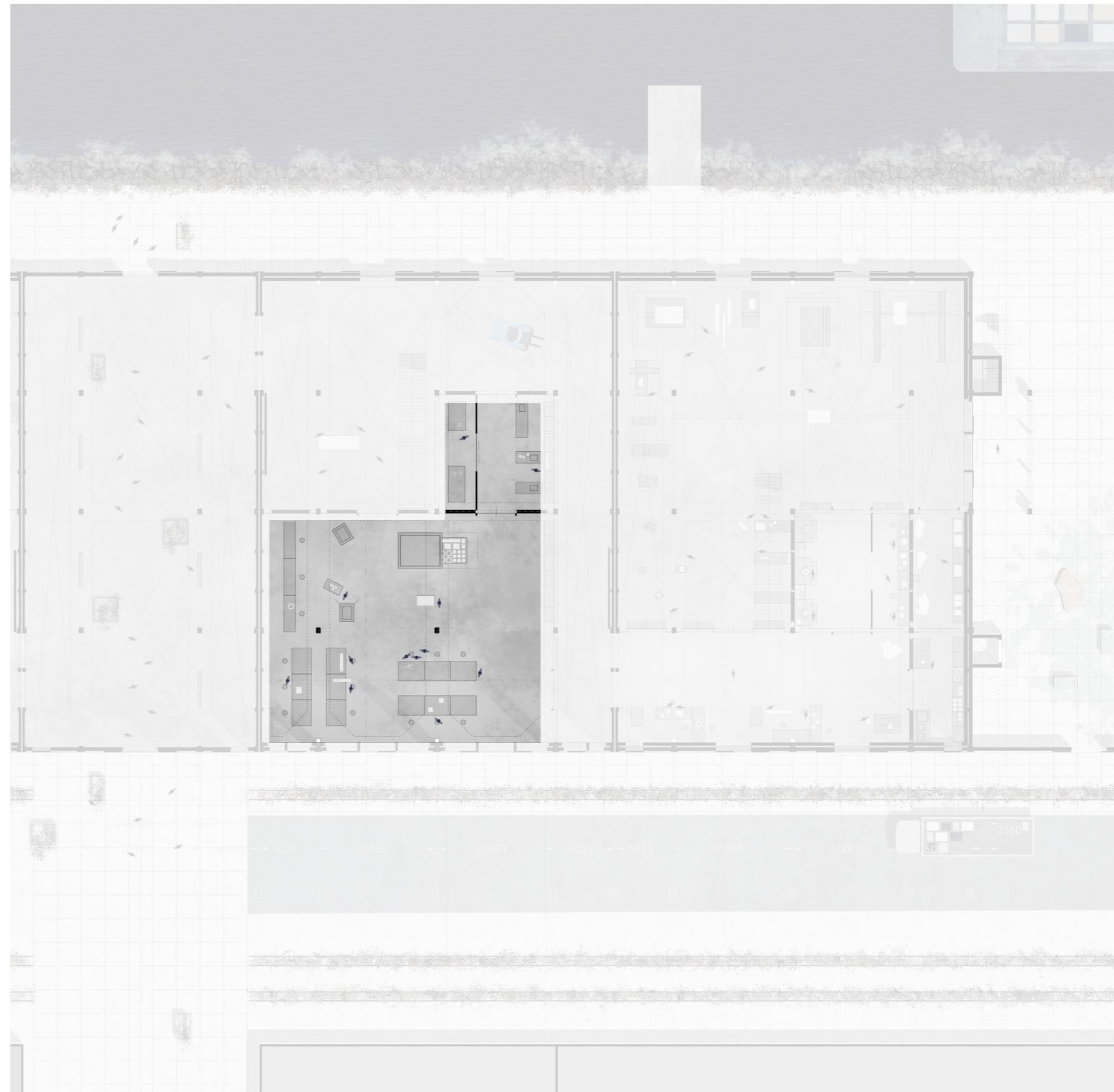
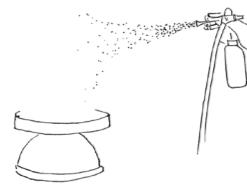


BUILDING

continuation . Plan 00 . 1.200 . Innoveem . Research Workshop



finishing

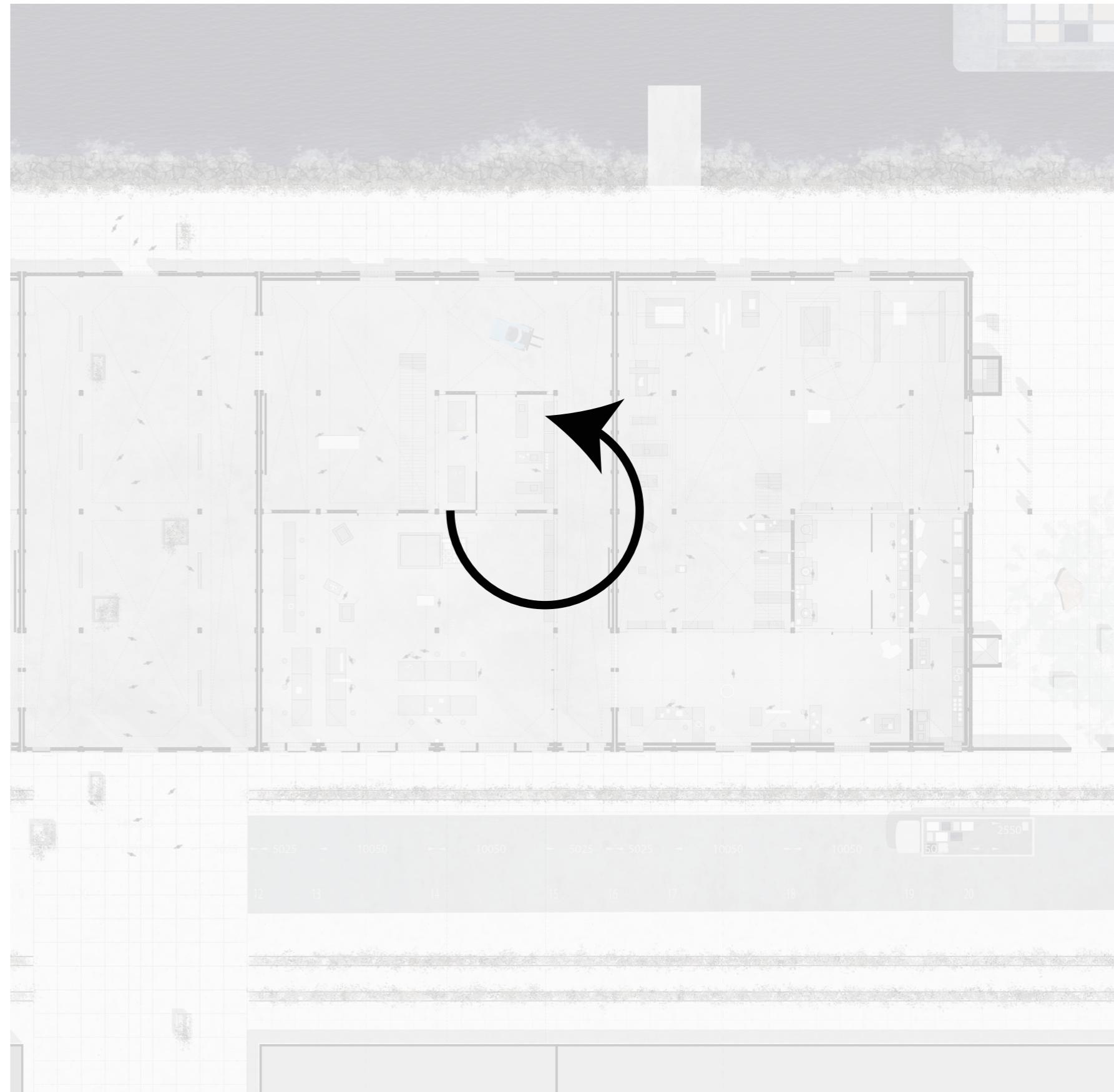


BUILDING

continuation . Plan 00 . 1.200 . Innoveem . Research Workshop



reuse rest / failure
other discipline



BUILDING

continuation . Plan 00 . 1.200 . Innoveem . Research Workshop



assembly / output

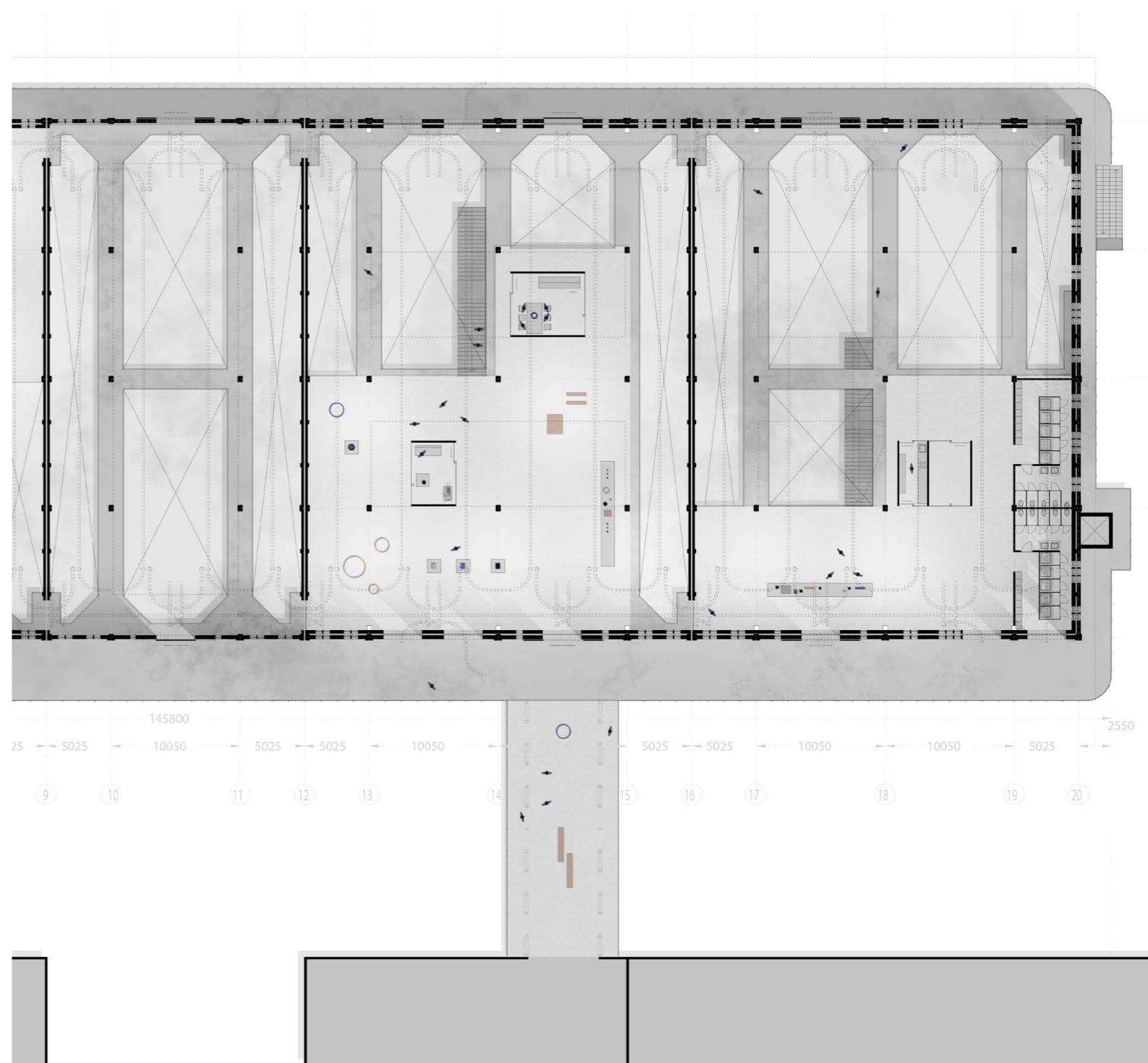


BUILDING

continuation . Plan 01 . 1.200 . Innoveem . Research Workshop



reflection



BUILDING

continuation . Plan 01 . 1.200 . Innoveem . Research Workshop



reflection

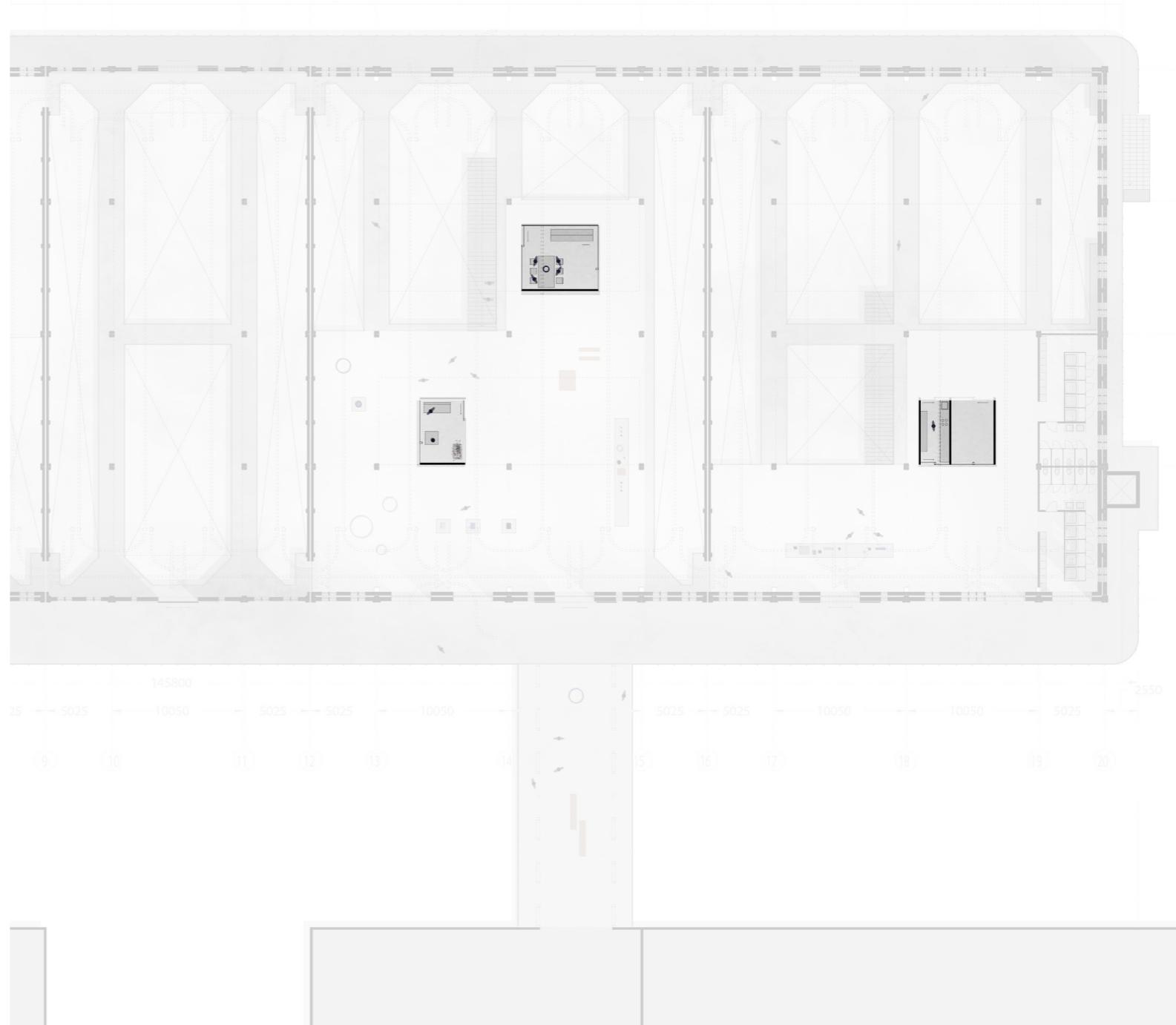


BUILDING

continuation . Plan 01 . 1.200 . Innoveem . Research Workshop



reflection

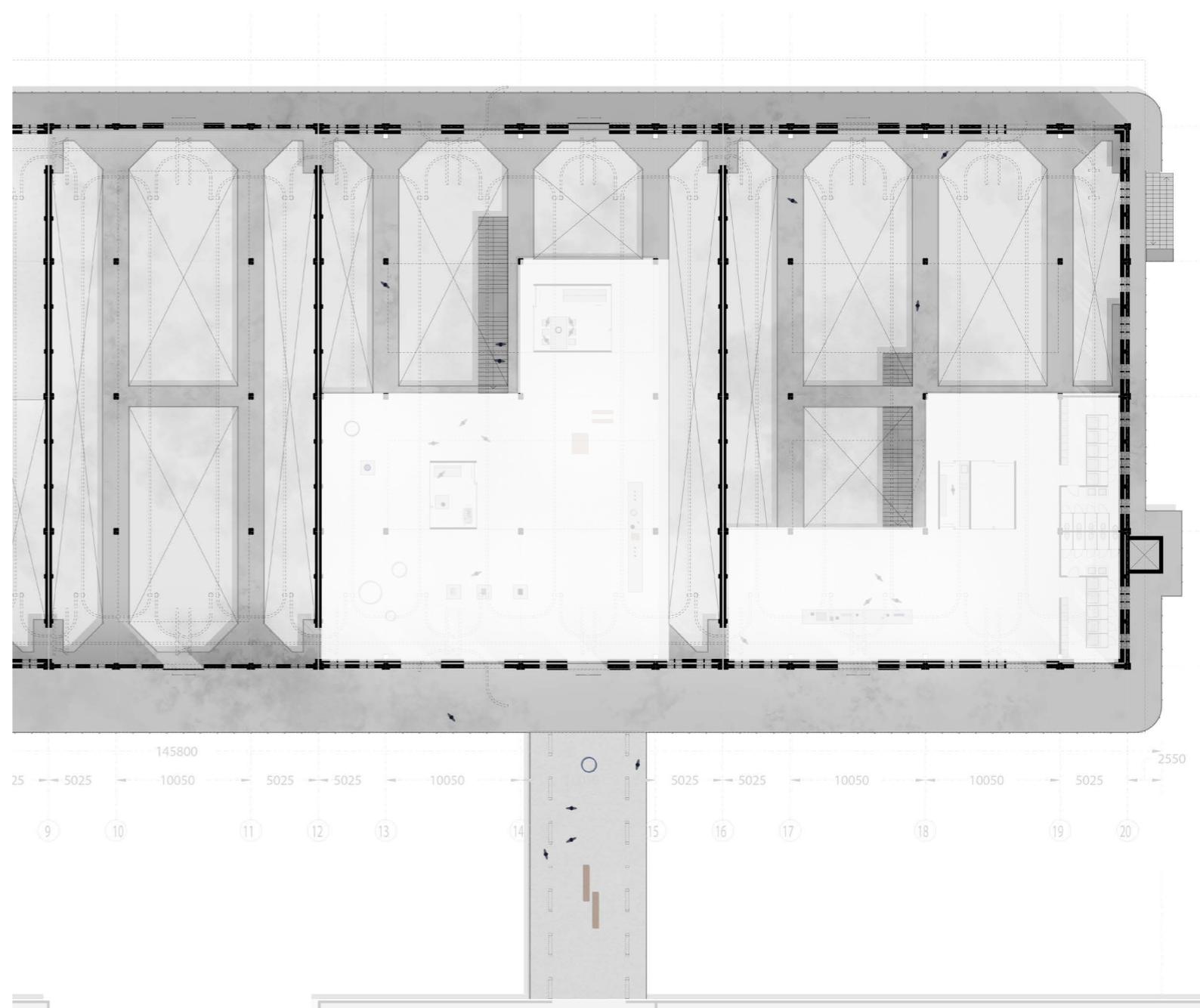


BUILDING

continuation . Plan 01 . 1.200 . Innoveem . Research Workshop



reflection



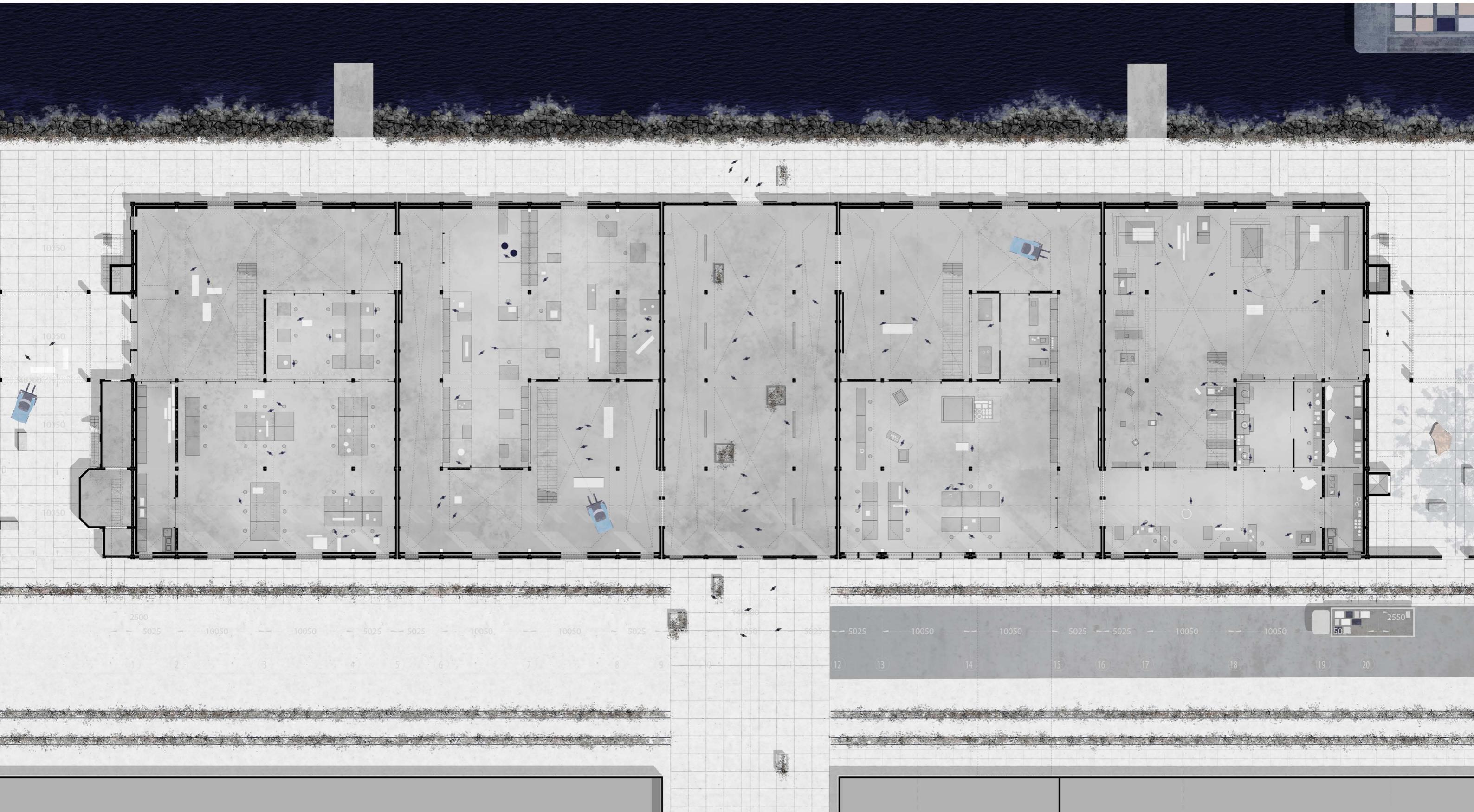
BUILDING

continuation . Plan 01 . 1.200 . Innoveem



BUILDING

continuation . Plan 00 . 1.200 . Innoveem



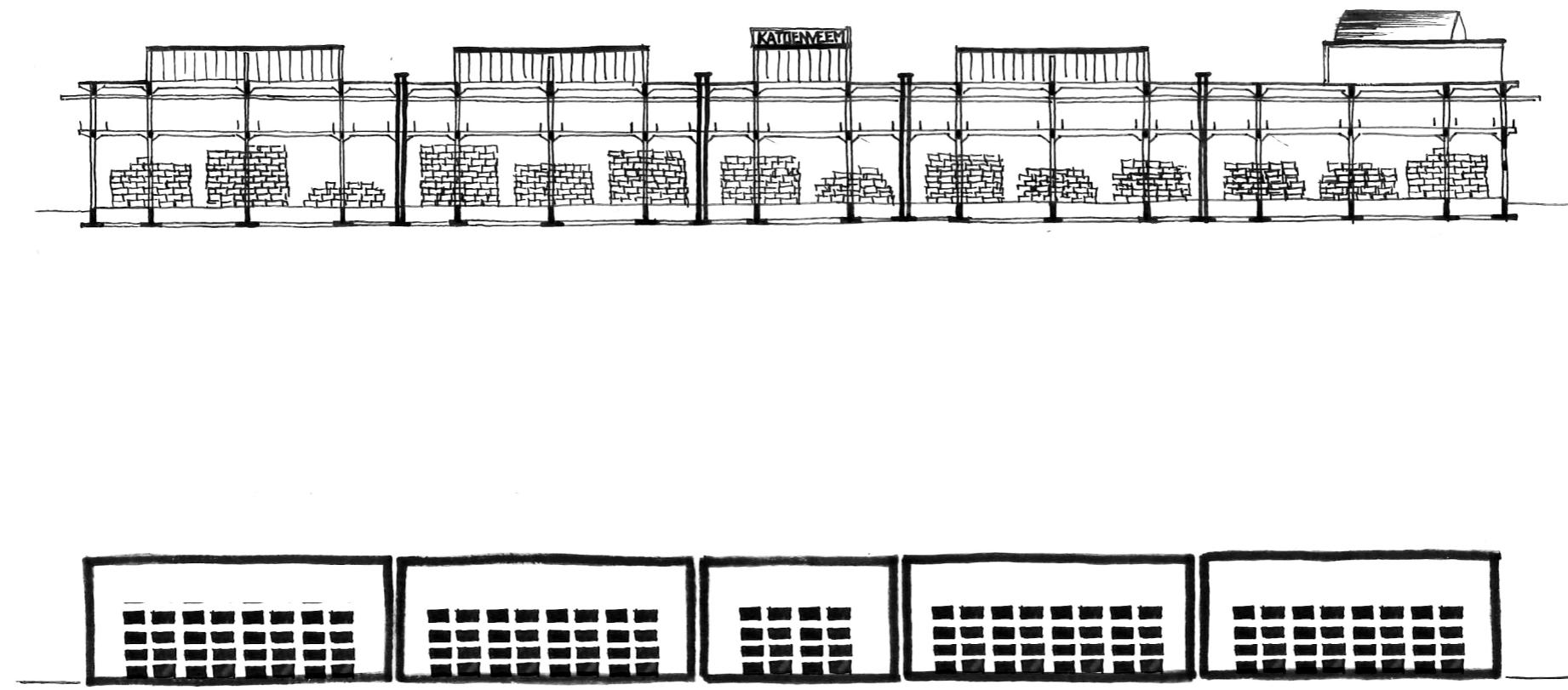
BUILDING

continuation . section AA' . 1.200 . Multicrafting



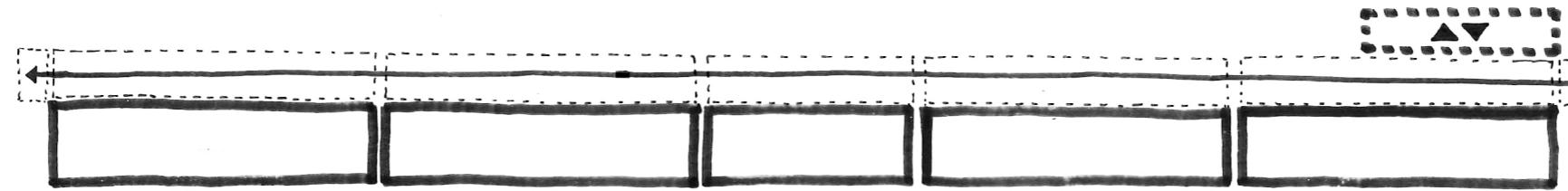
BUILDING

historic setting . integration



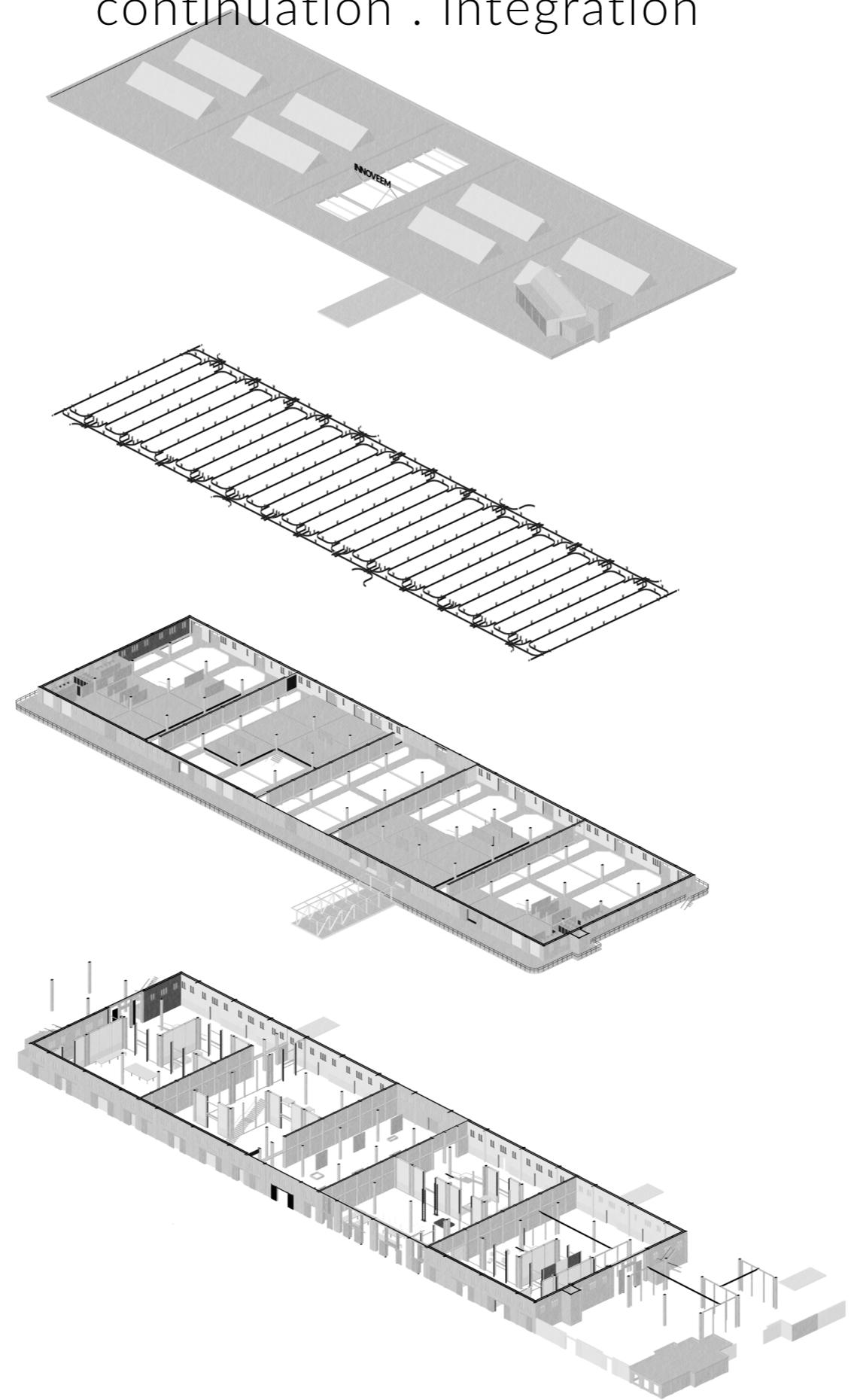
BUILDING

present situation . integration



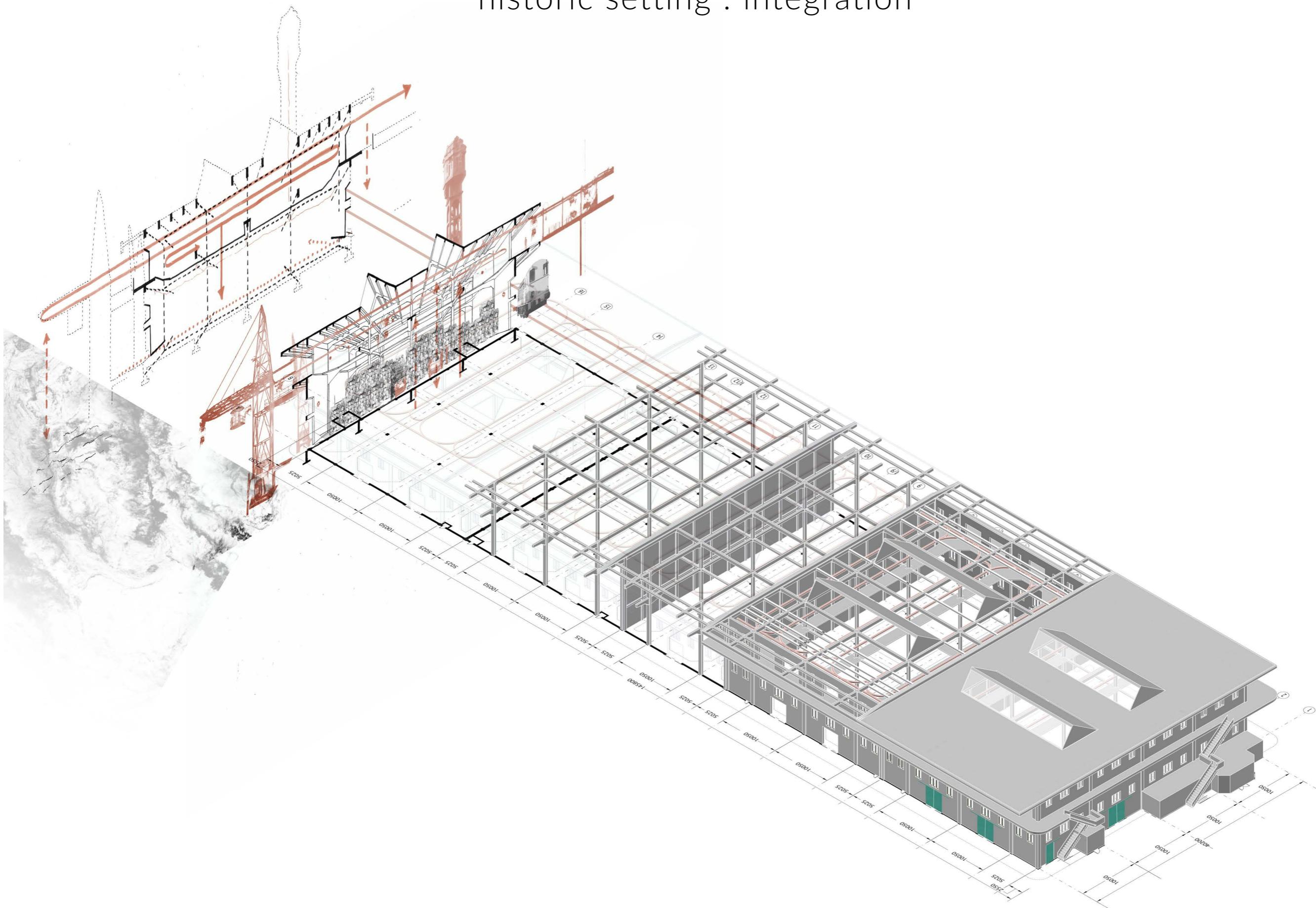
BUILDING

continuation . integration



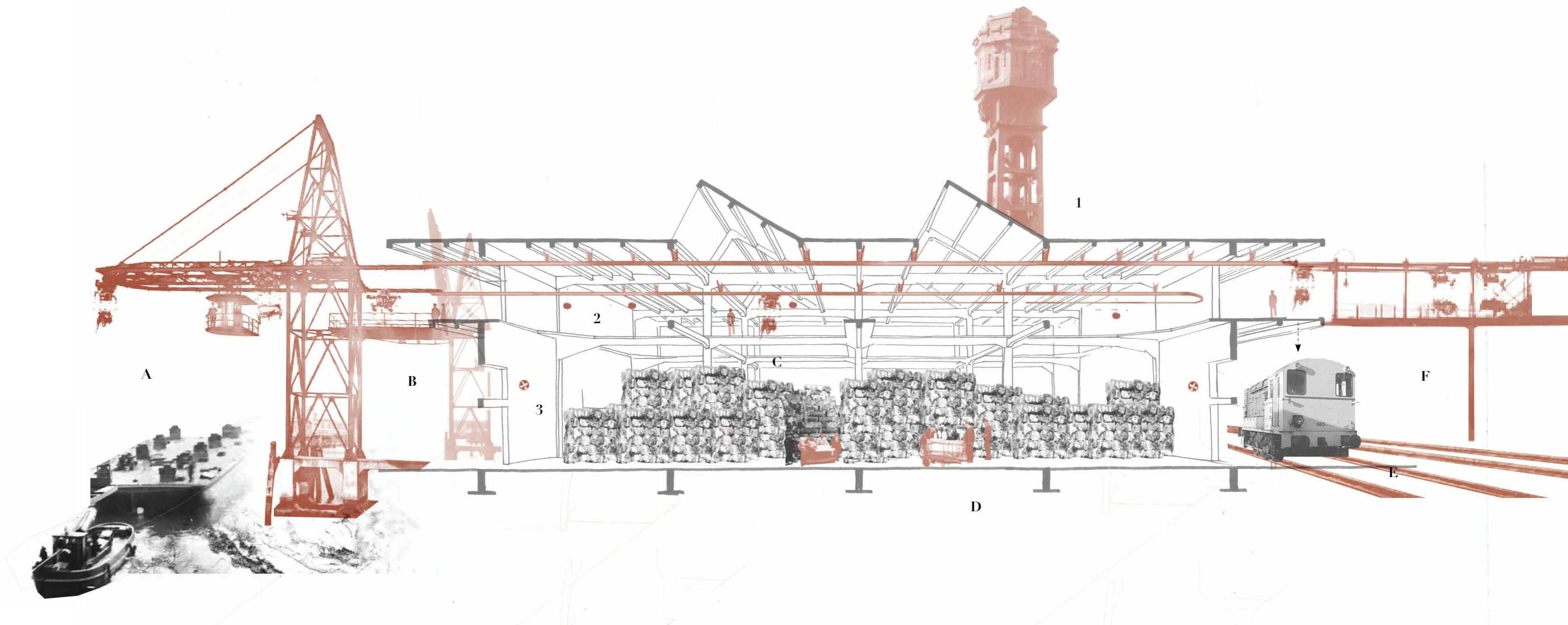
BUILDING

historic setting . integration



BUILDING

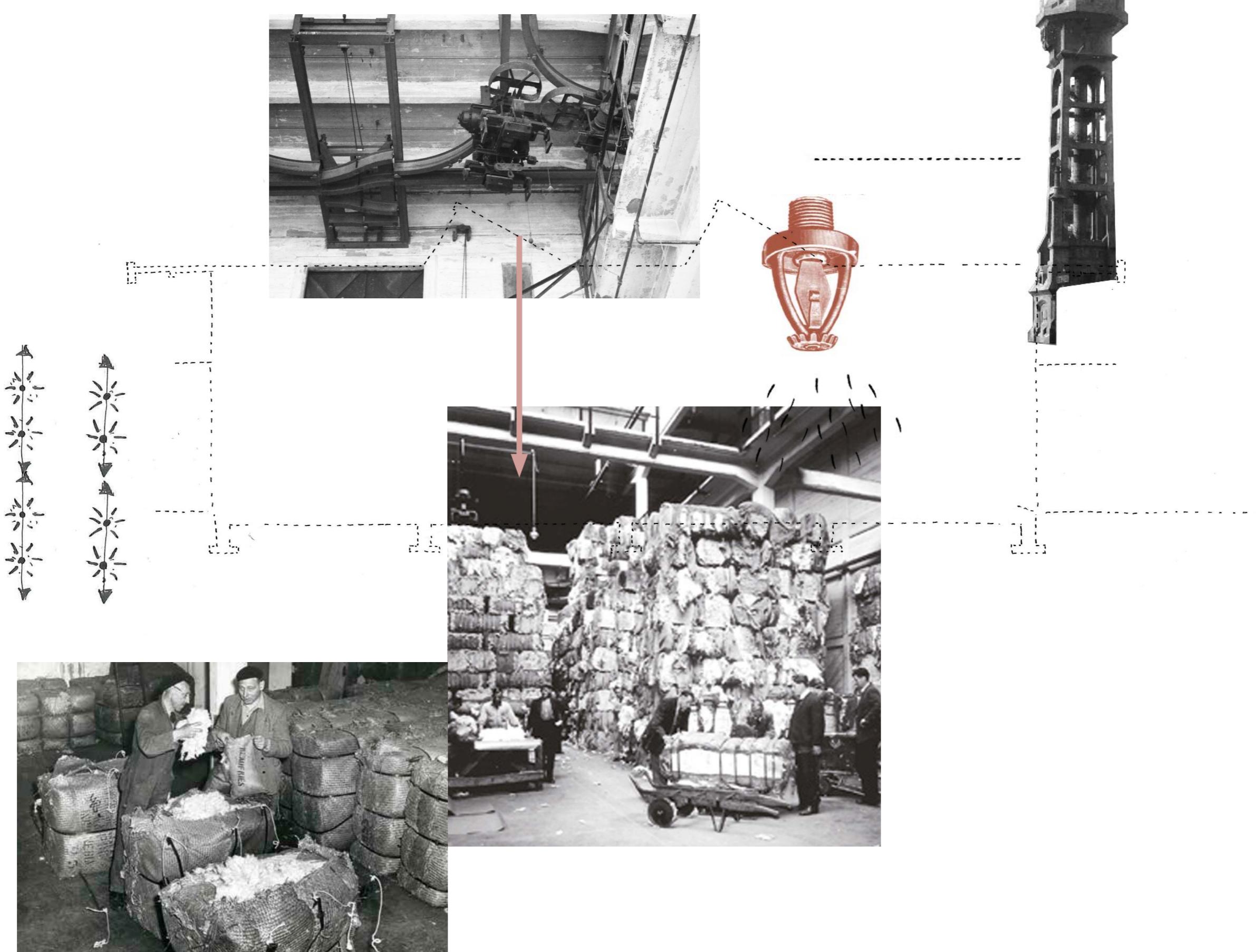
historic setting . advanced operation



services

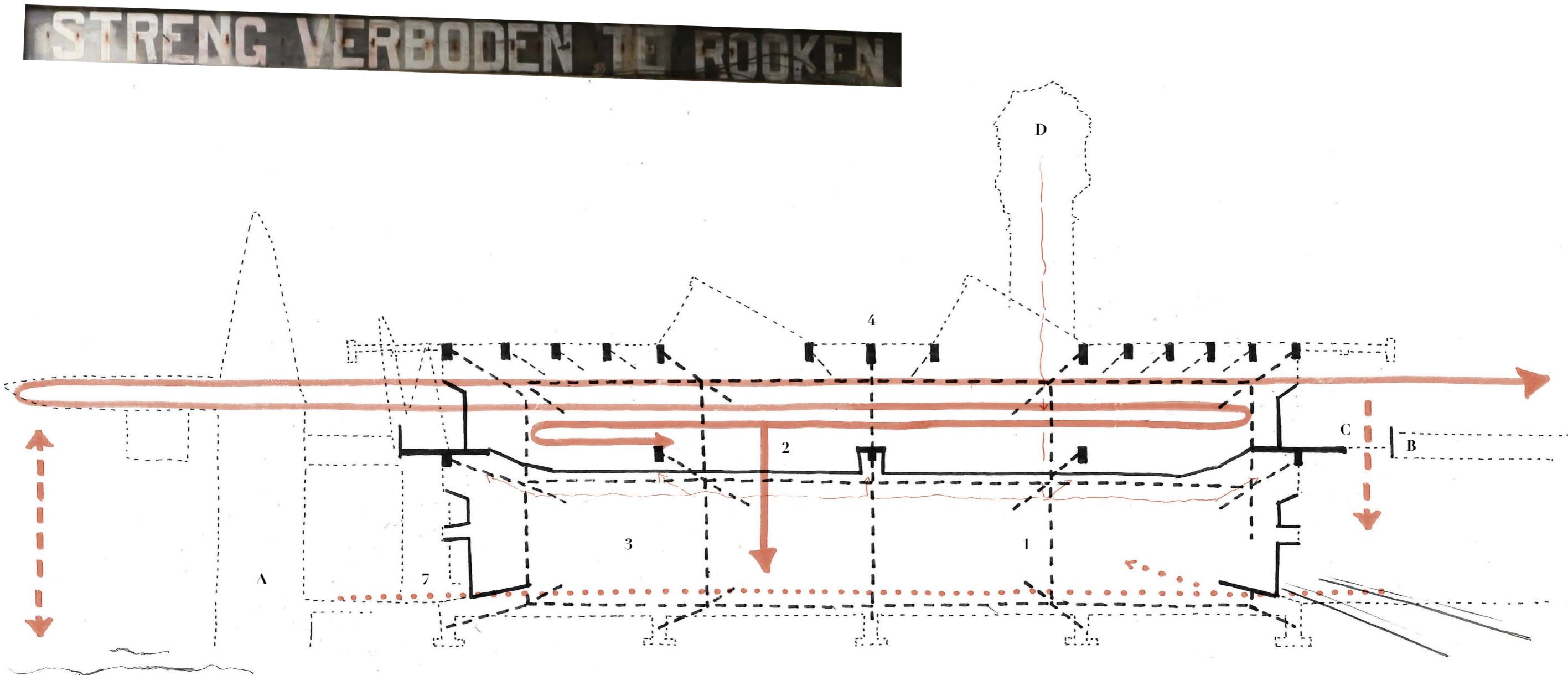
BUILDING

historic setting . advanced operation



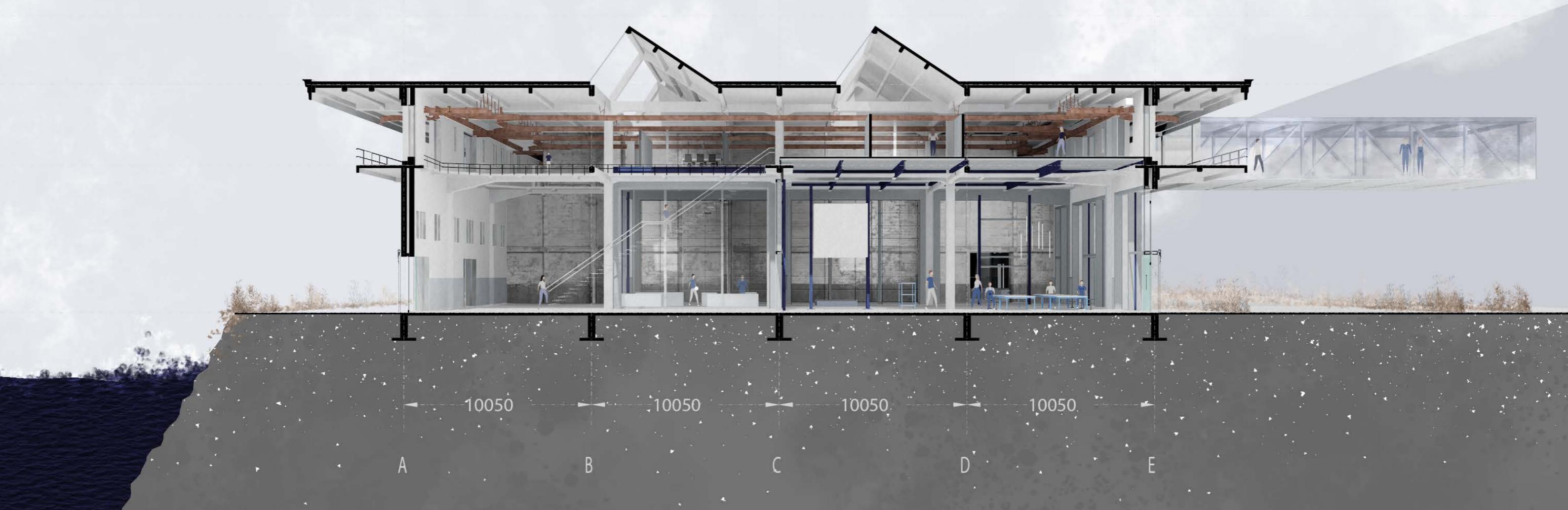
BUILDING

historic setting . advanced operation



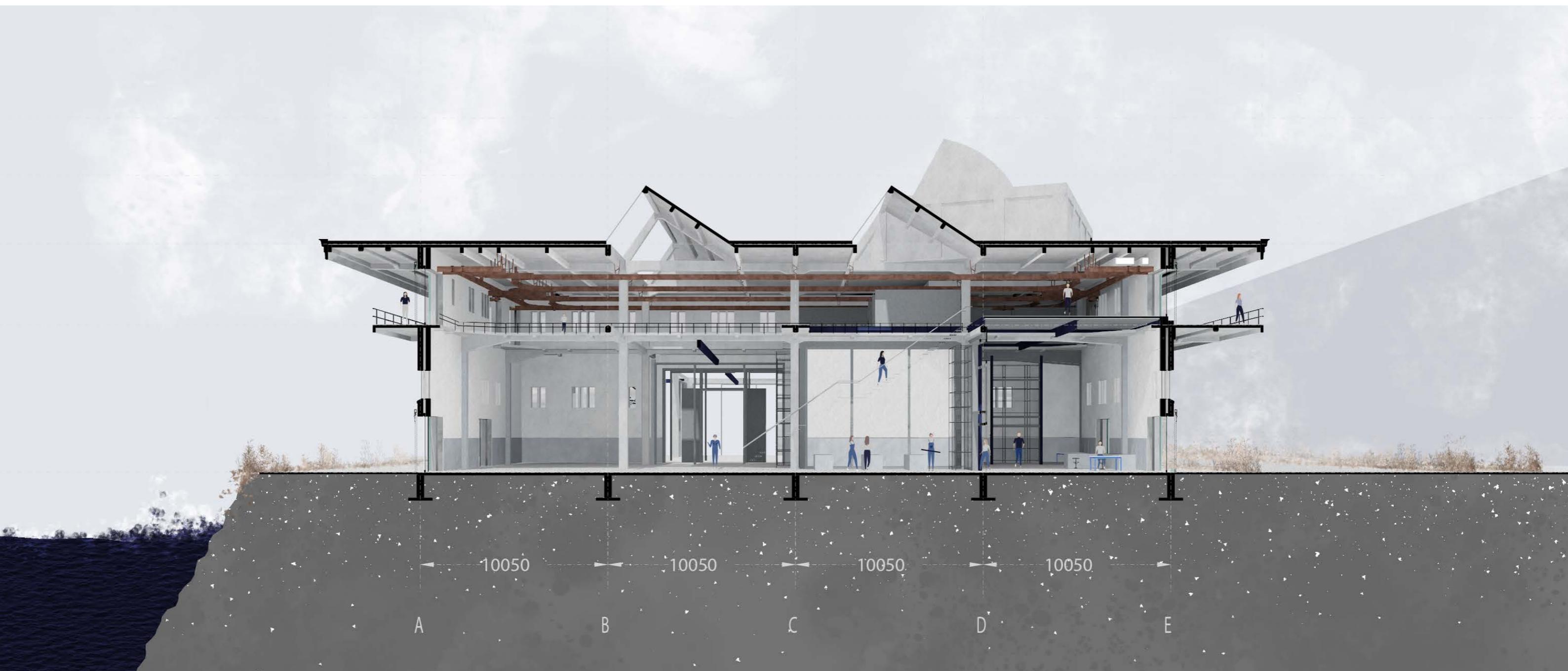
BUILDING

continuation . section BB' . 1.200 . research workshop



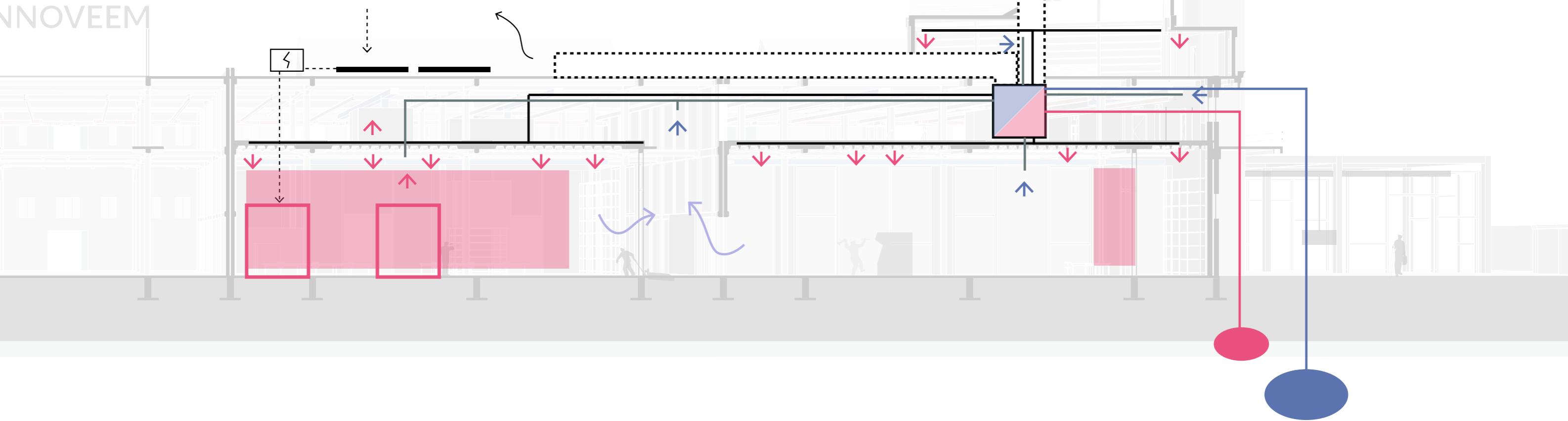
BUILDING

continuation . section CC' . 1.200 . research workshop



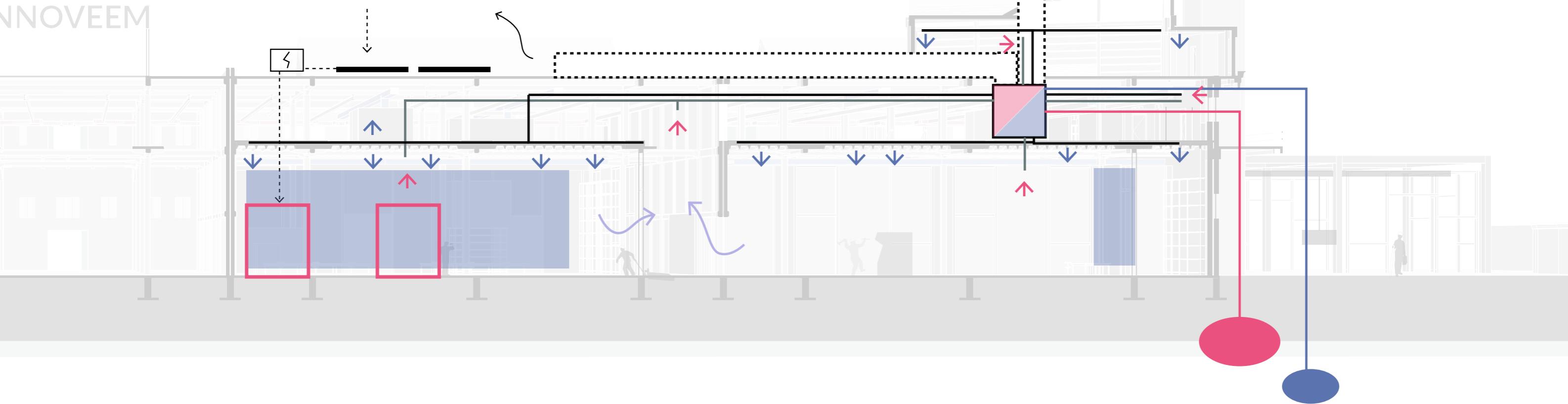
BUILDING

continuation . advanced operation



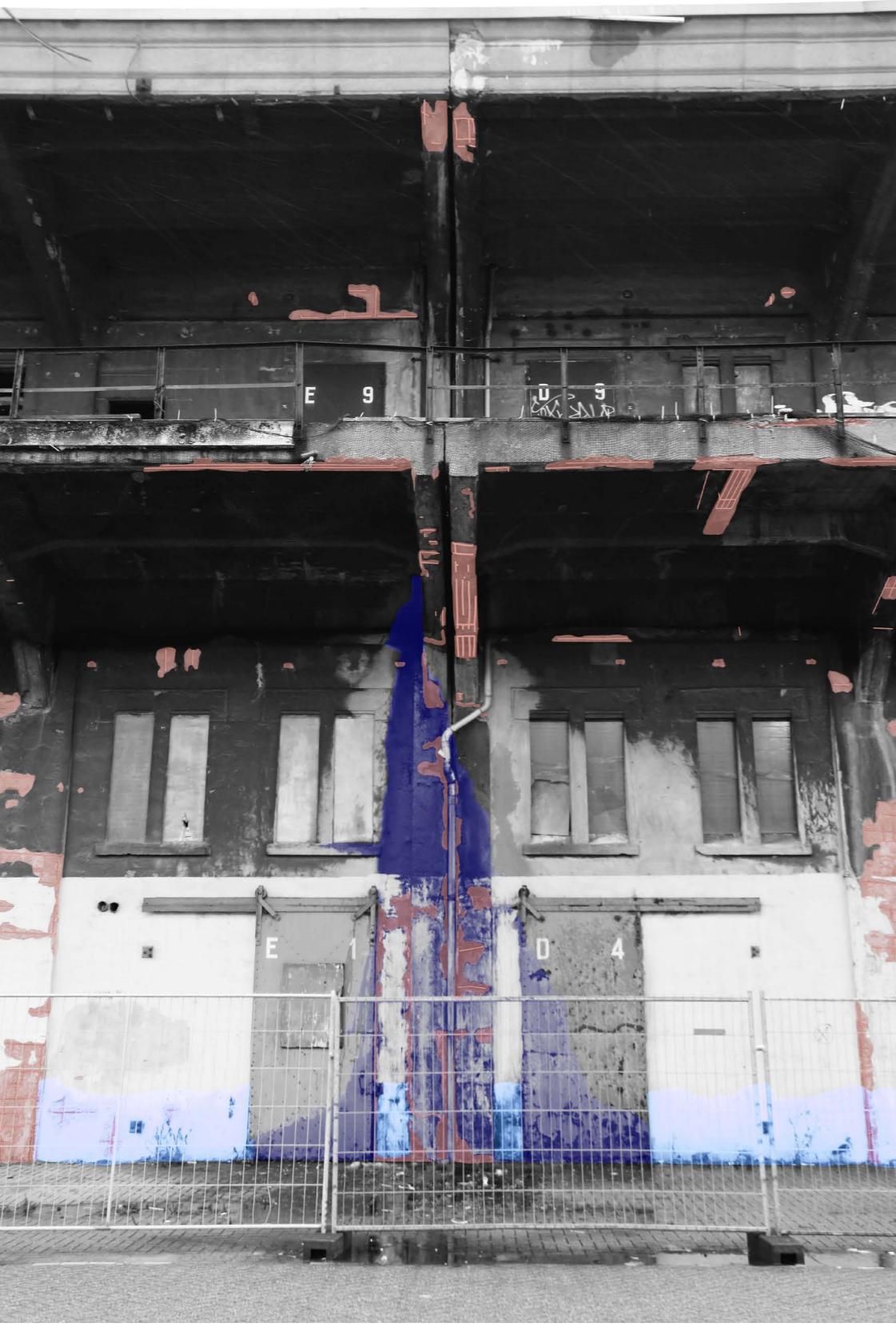
BUILDING

continuation . advanced operation



BUILDING

present situation . damage & repair



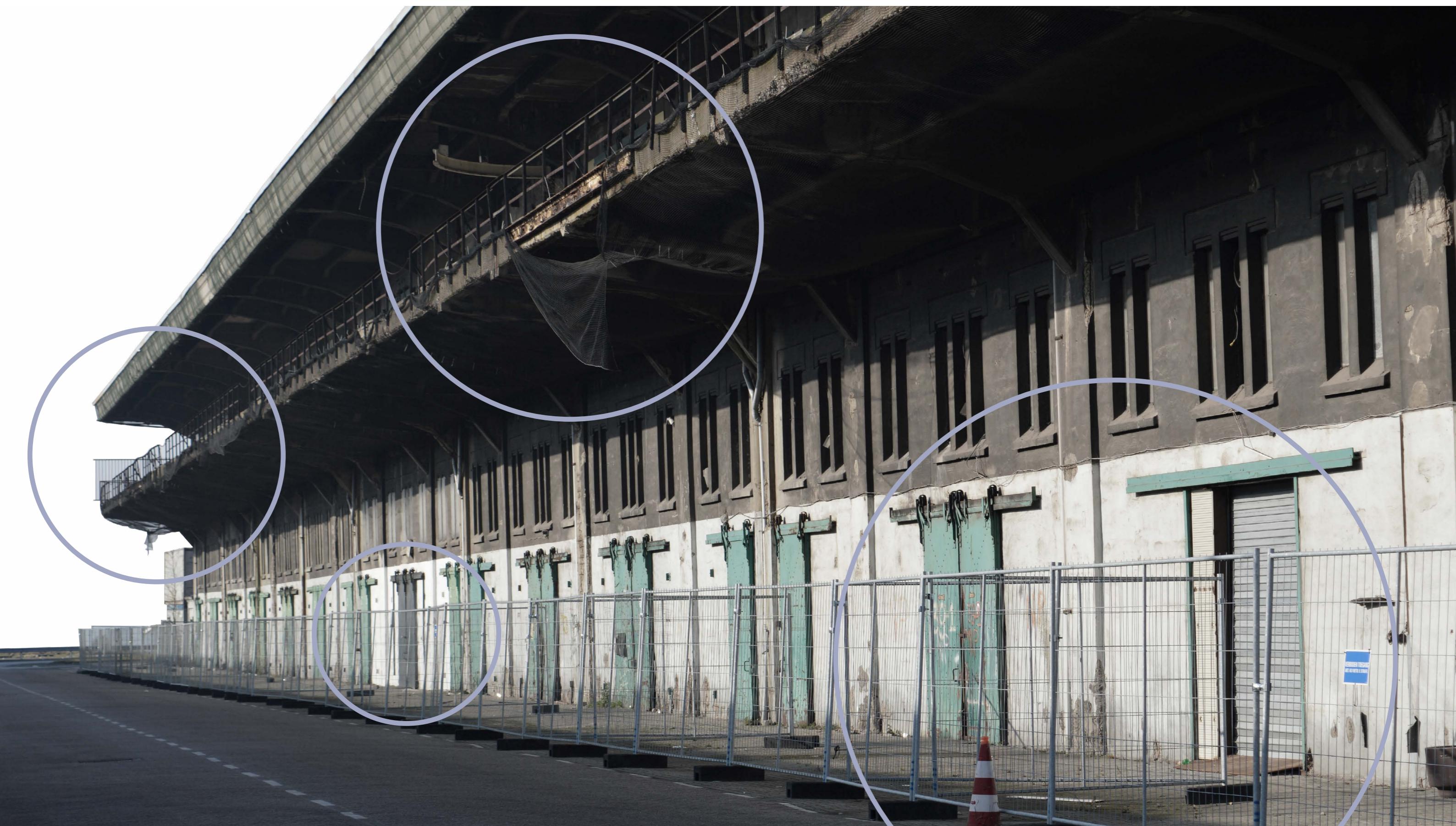
BUILDING

present situation . damage & repair



BUILDING

present situation . damage & repair



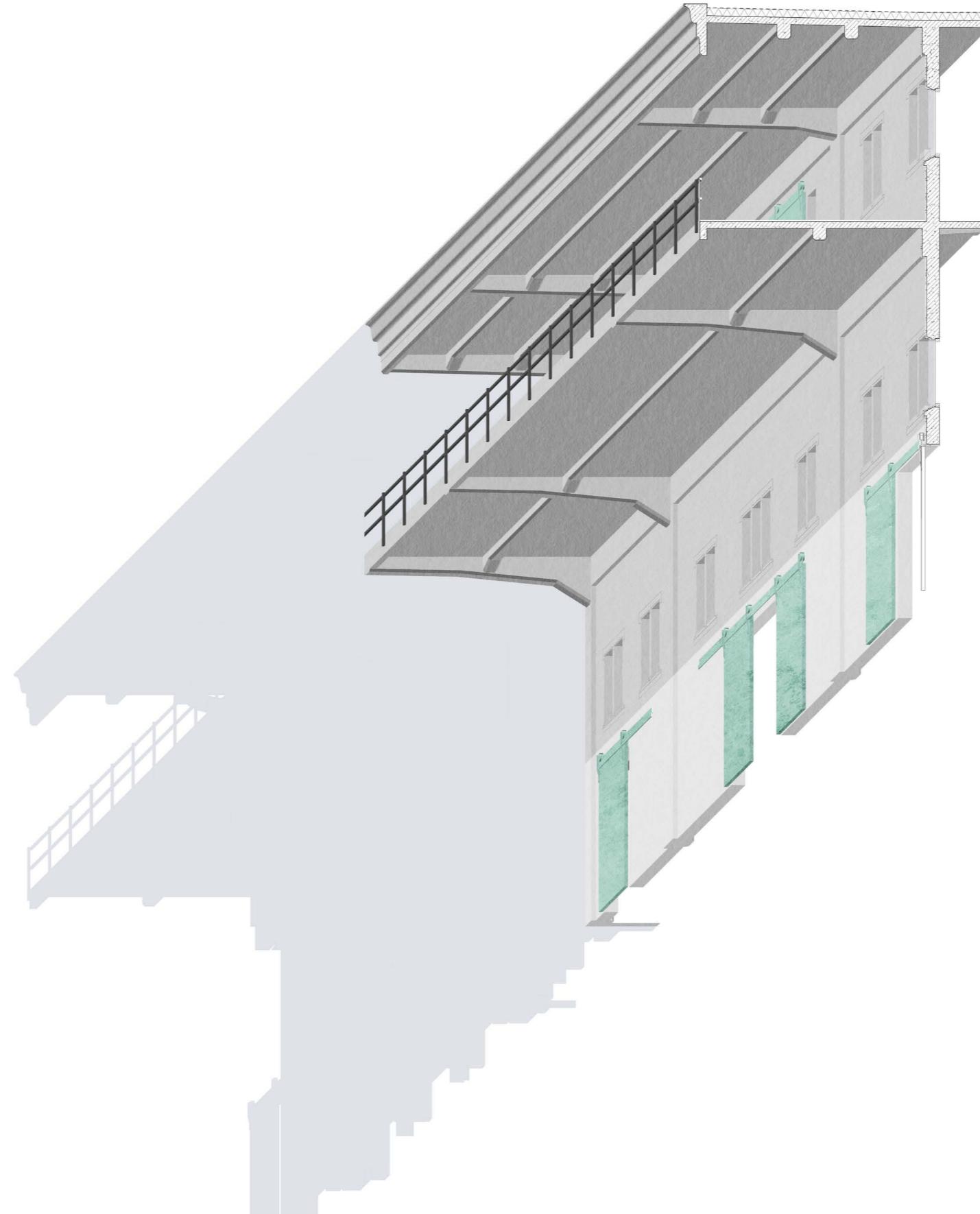
BUILDING

continuation . south facade . 1.200 . Keilestraat



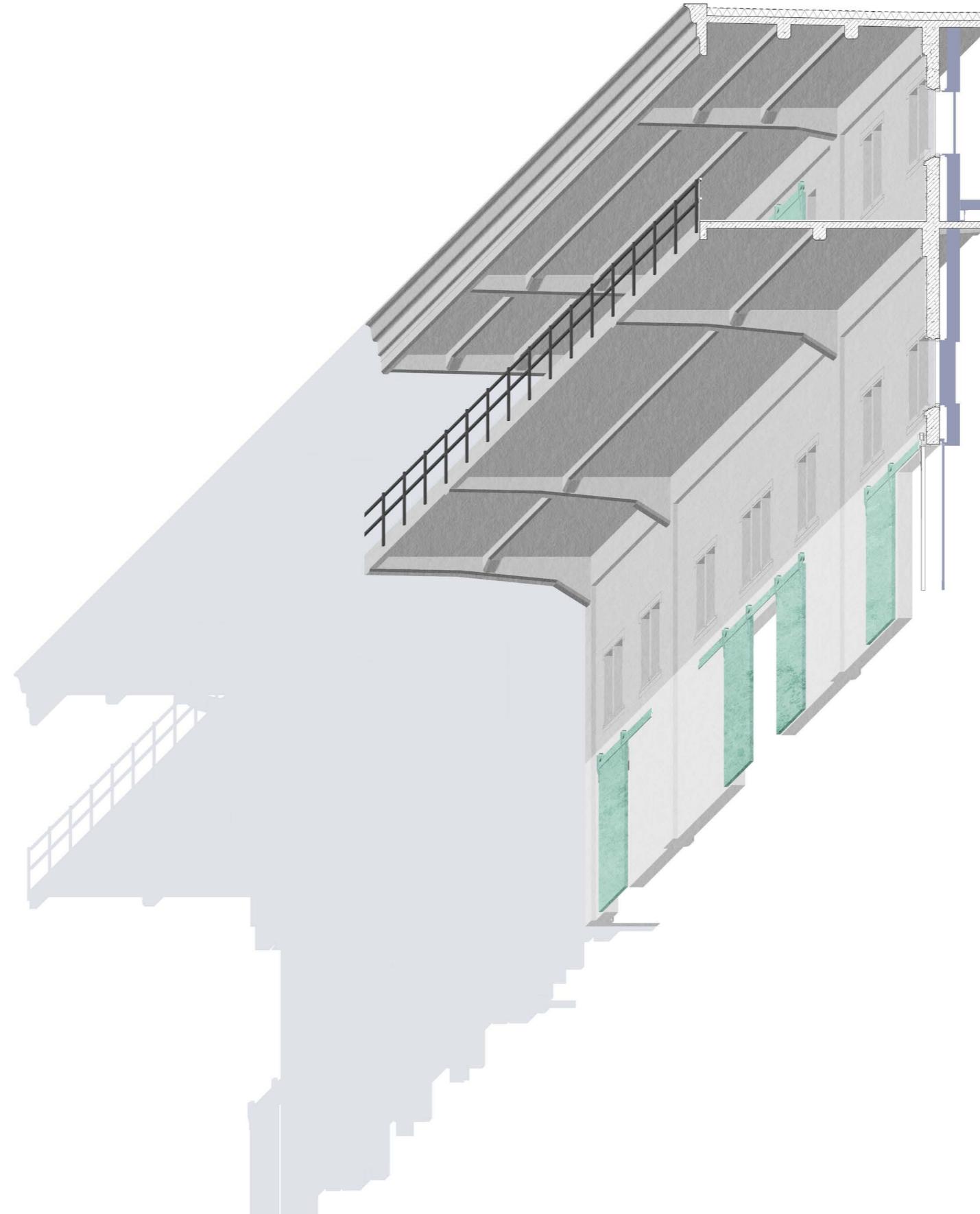
BUILDING

continuation . fragment 1.50 . rhythmic facade



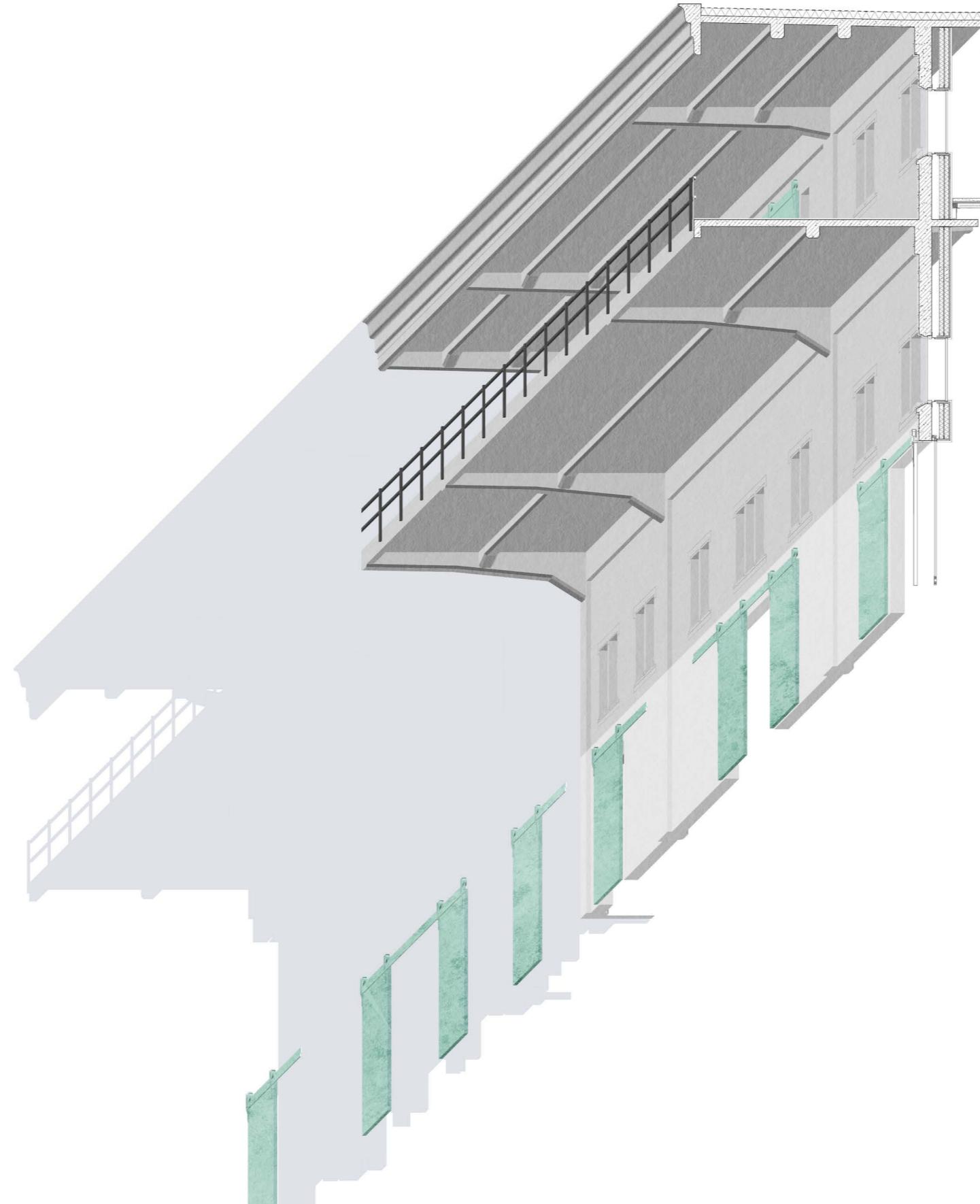
BUILDING

continuation . fragment 1.50 . rhythmic facade



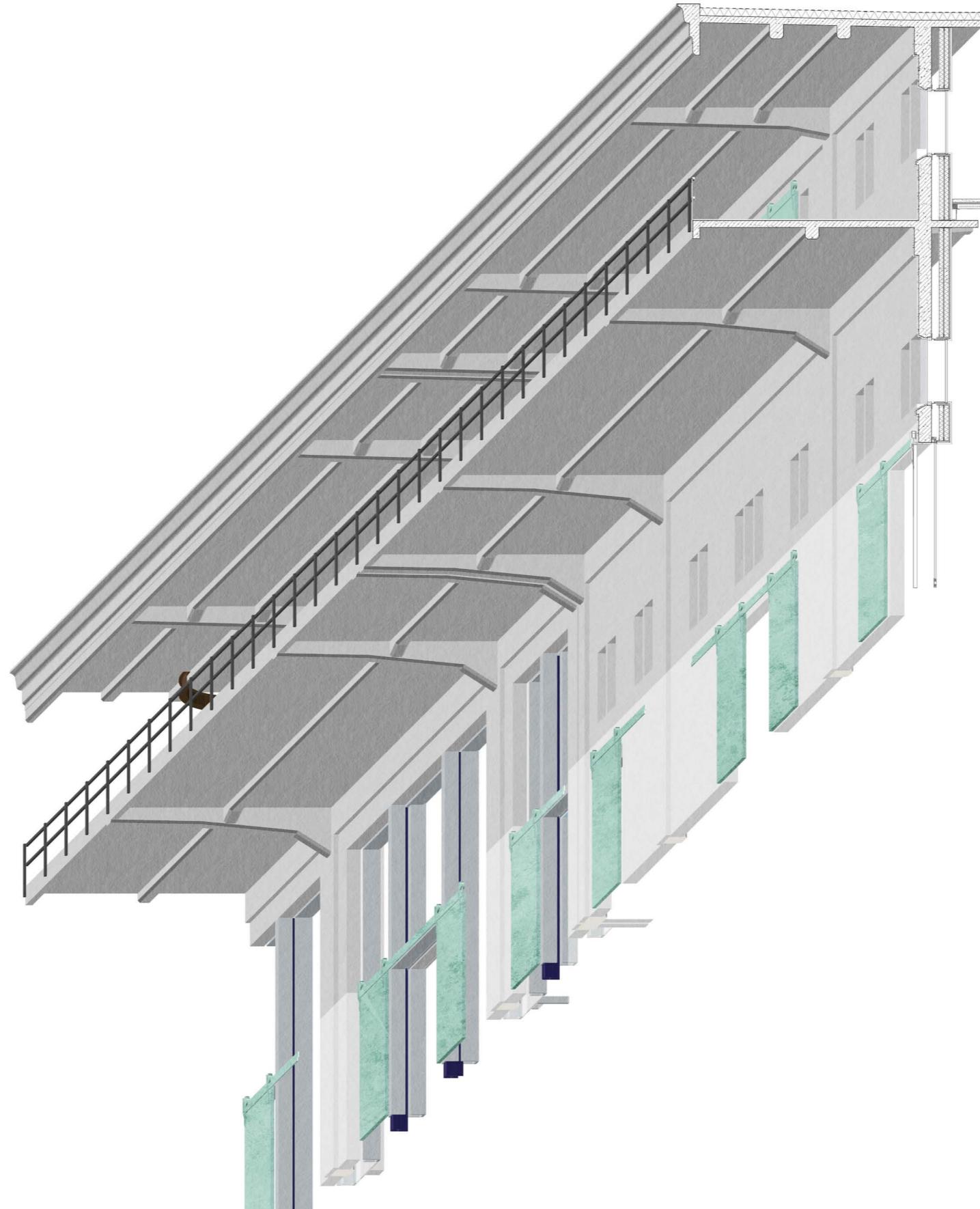
BUILDING

continuation . fragment 1.50 . rhythmic facade



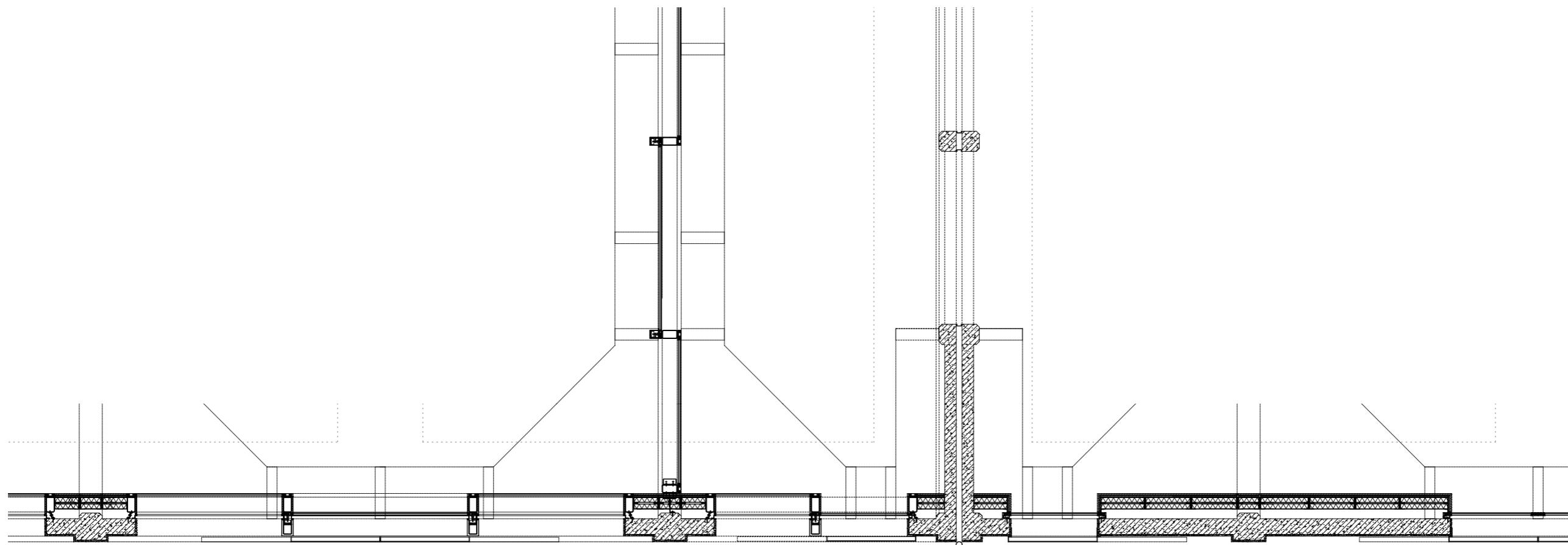
BUILDING

continuation . fragment 1.50 . rhythmic facade



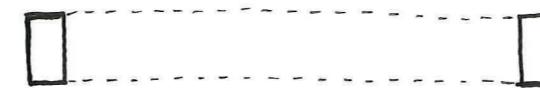
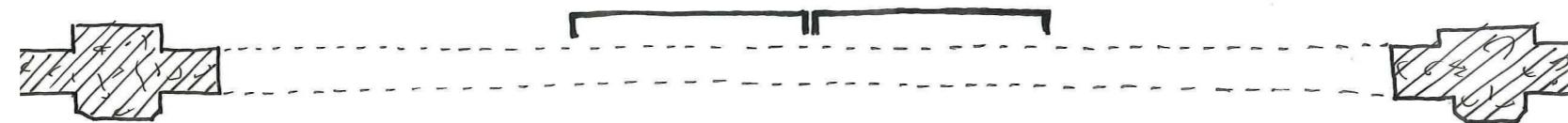
BUILDING

continuation . fragment 1.20 . articulation



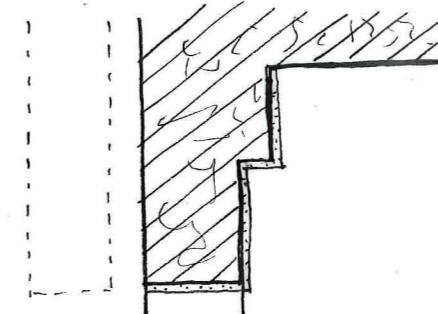
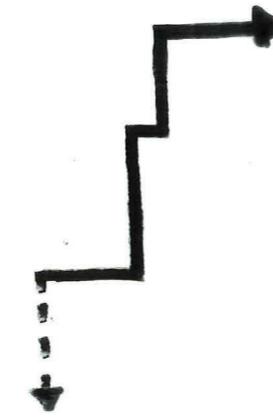
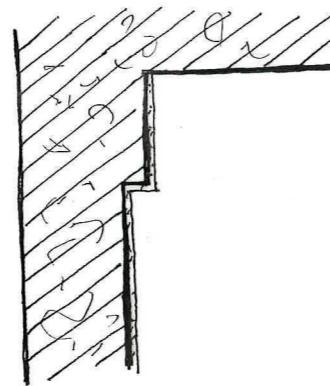
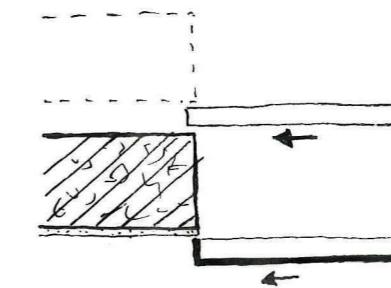
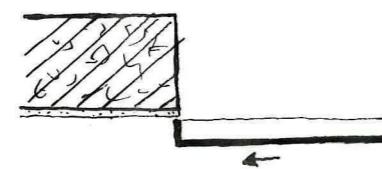
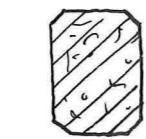
BUILDING

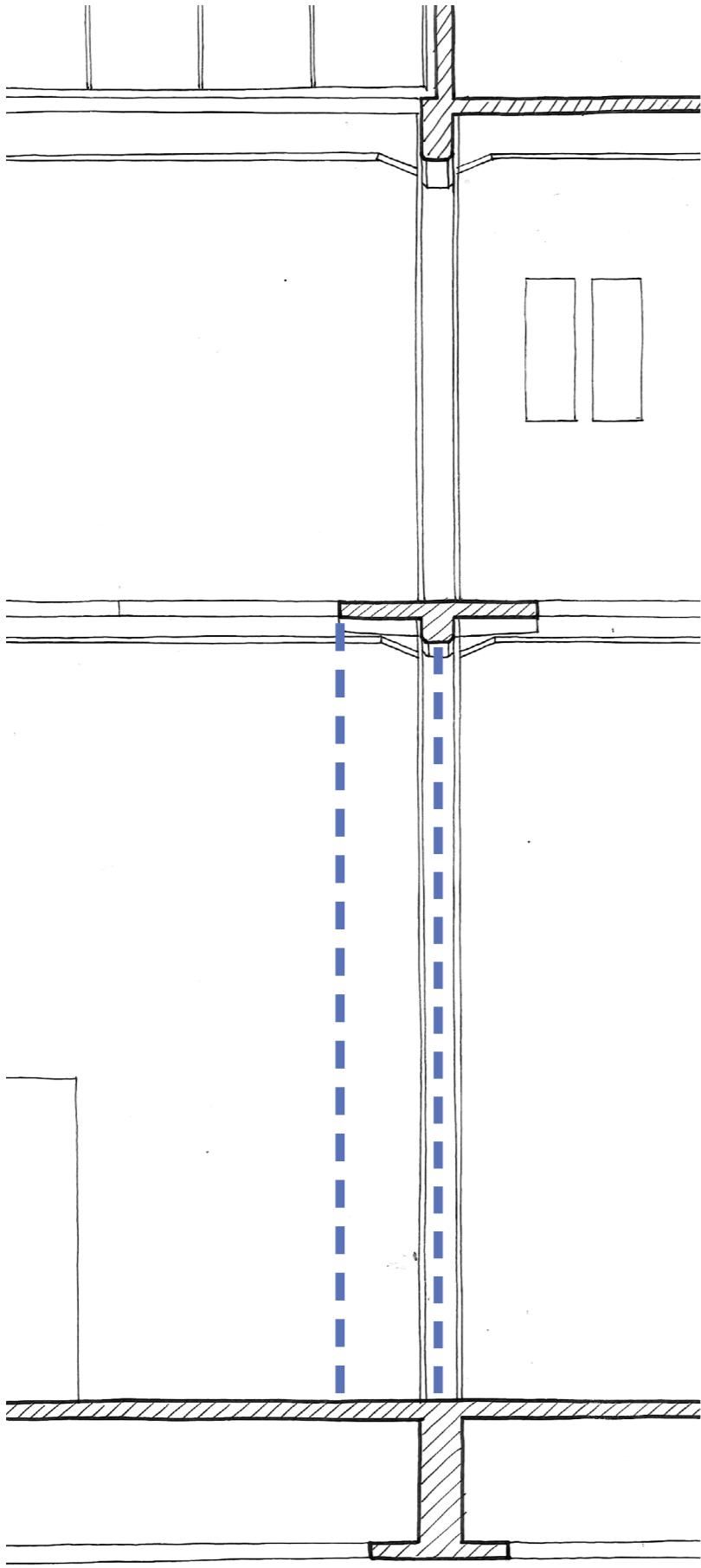
continuation . fragment 1.20 . articulation



BUILDING

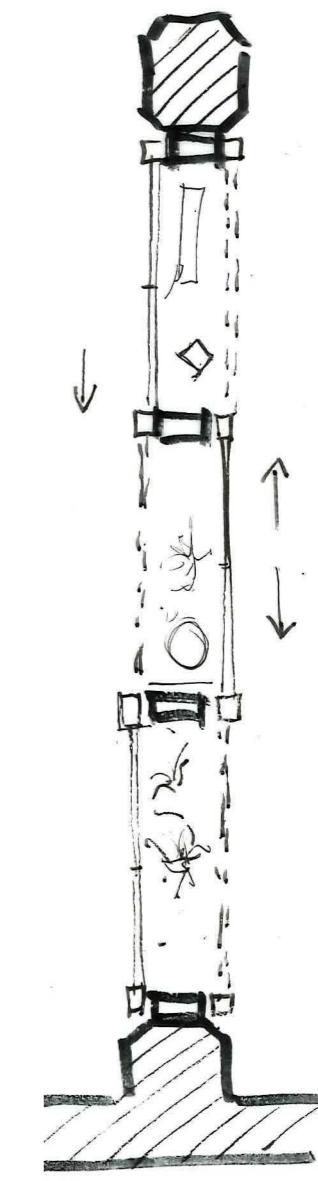
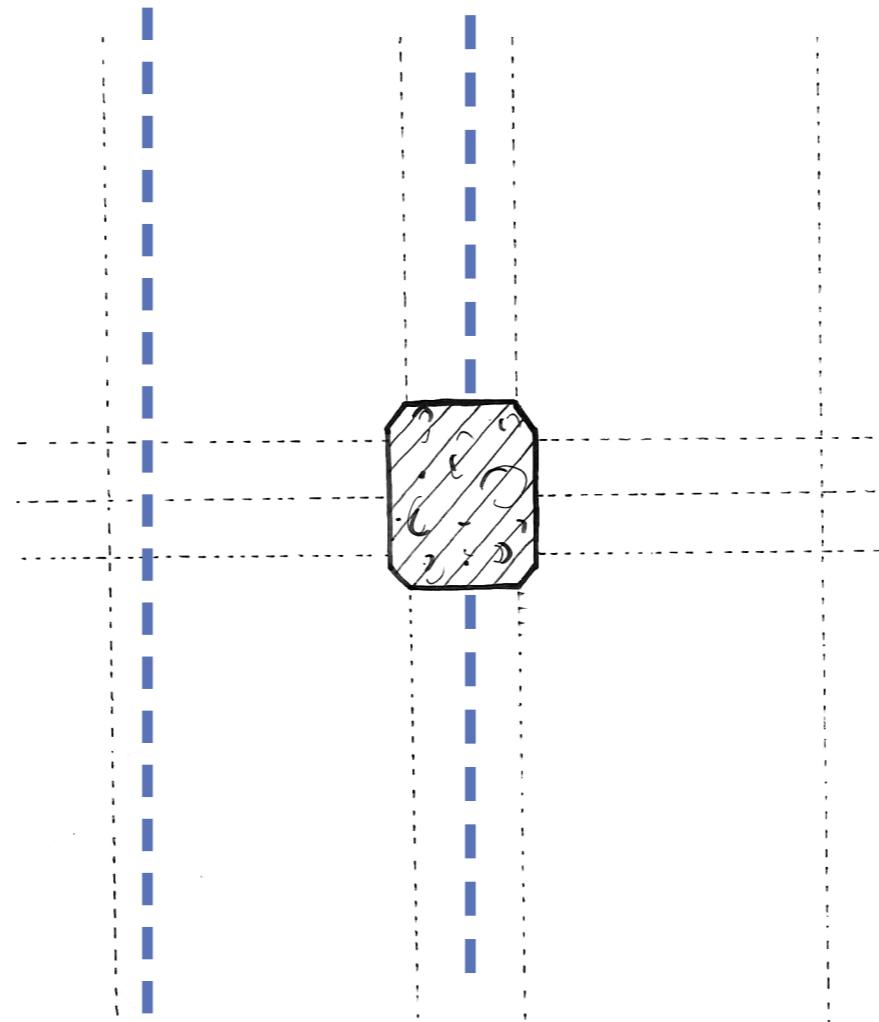
present situation . articulation





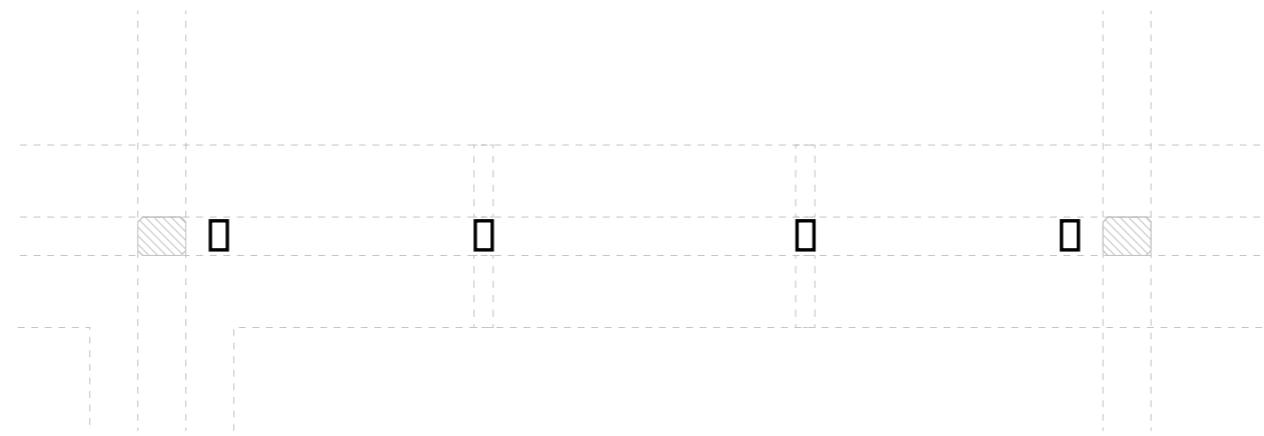
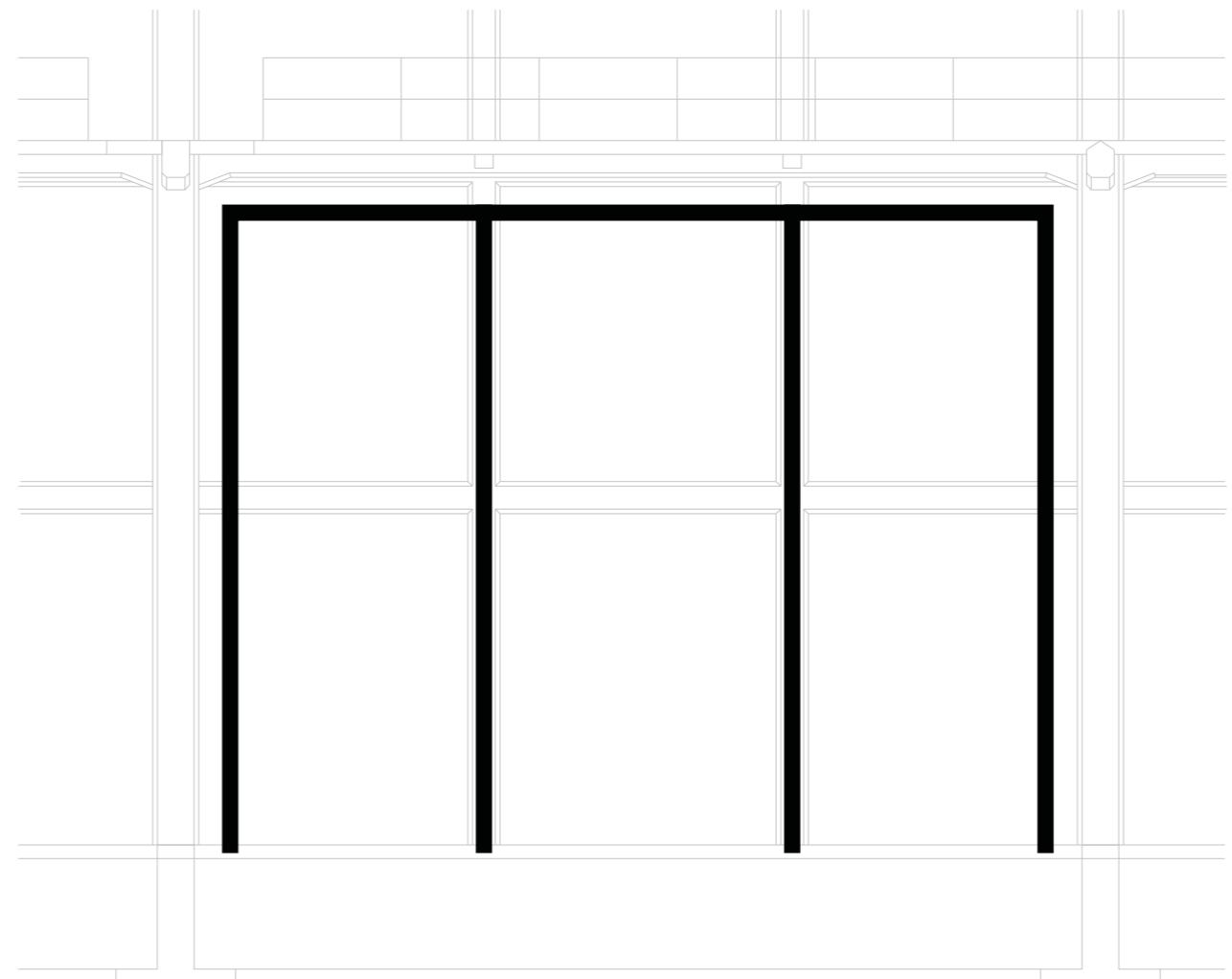
BUILDING

present situation . articulation



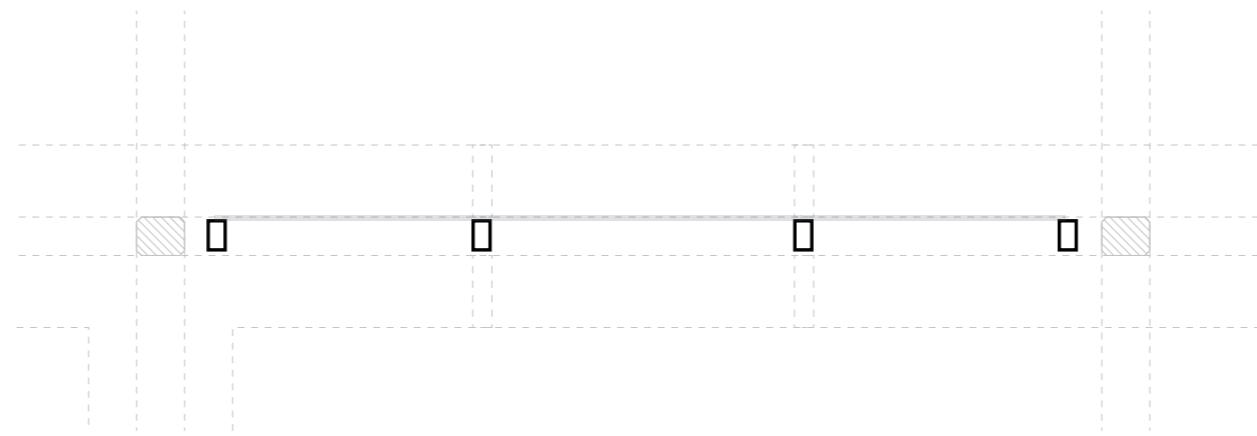
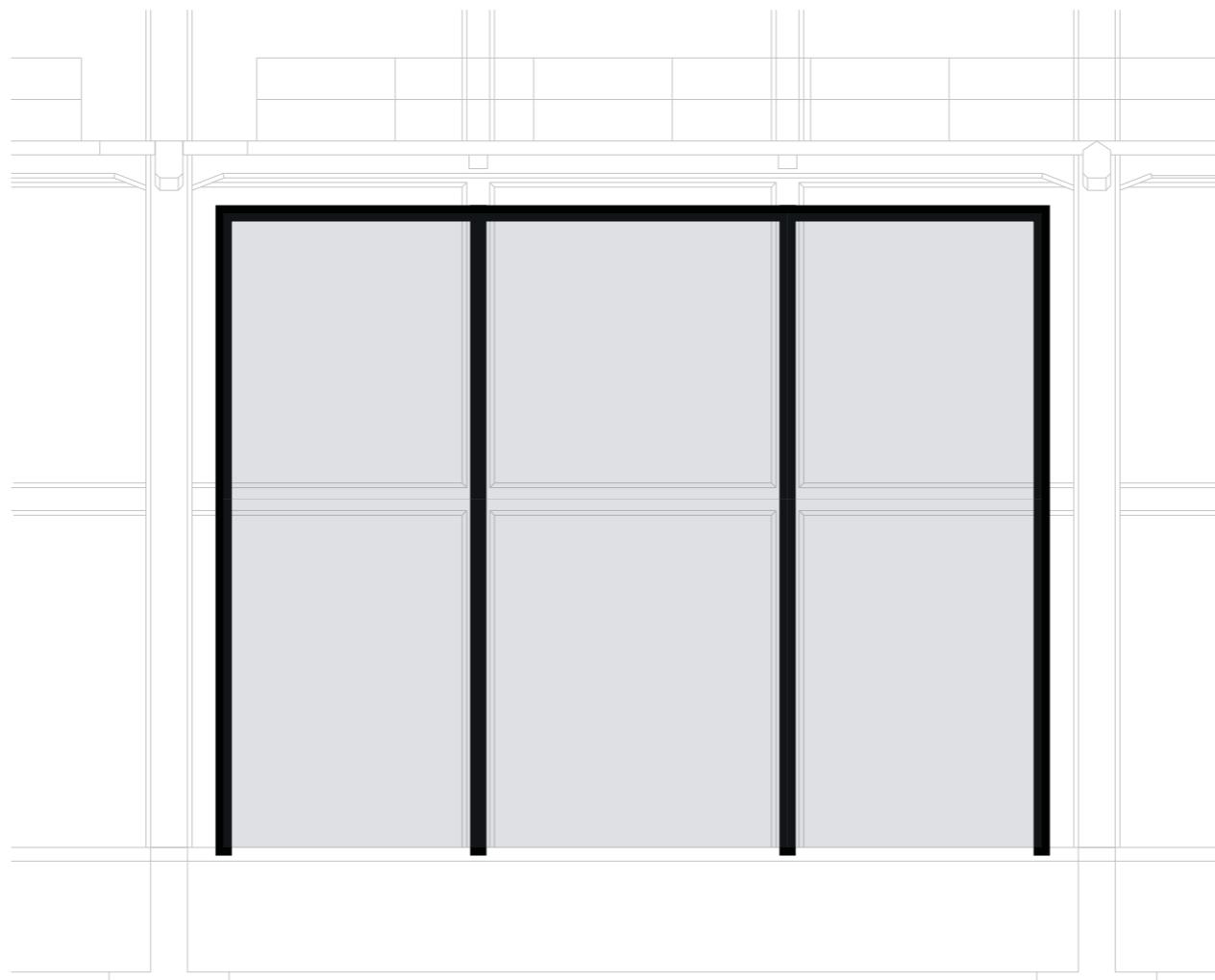
BUILDING

continuation . wall infill



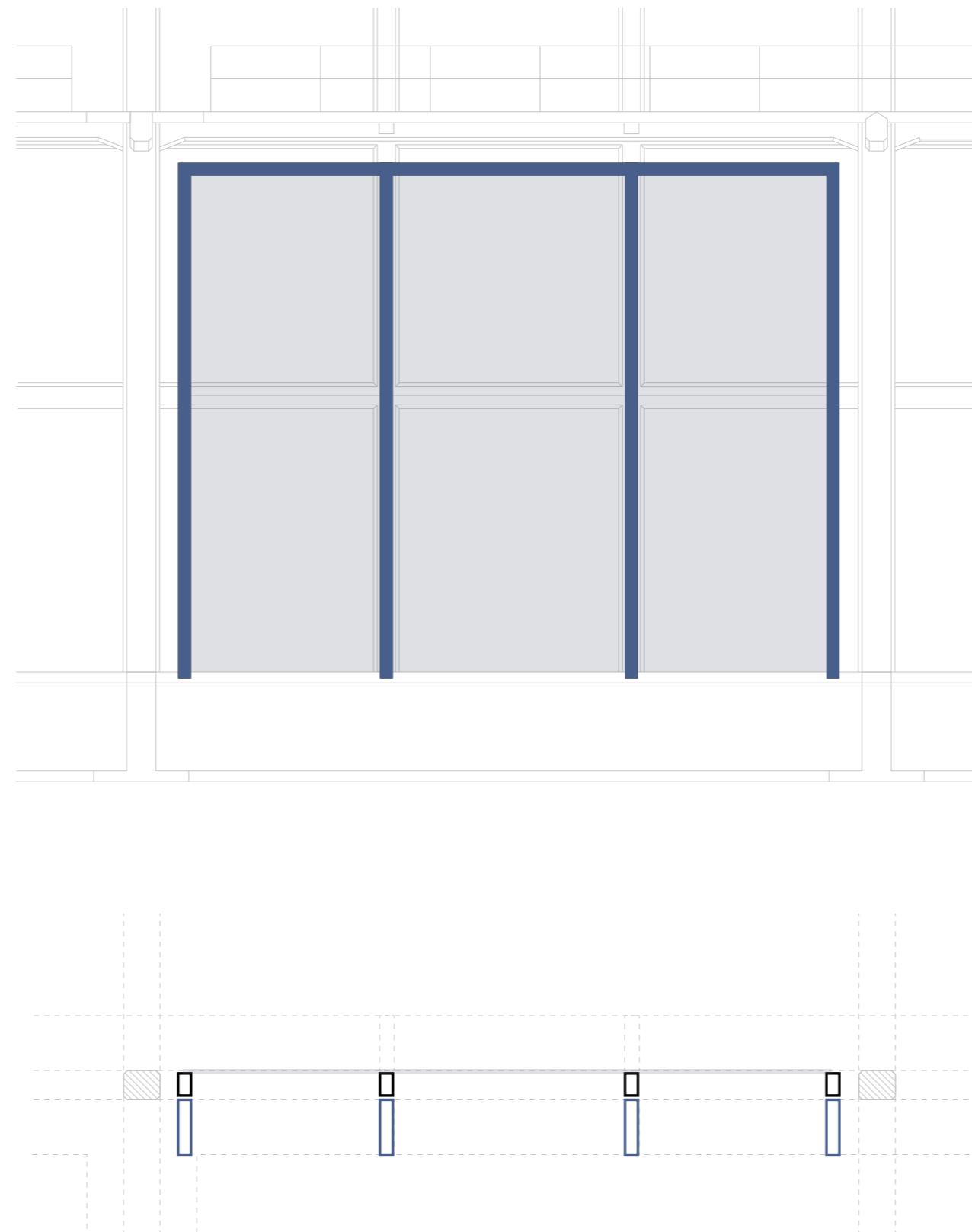
BUILDING

continuation . wall infill



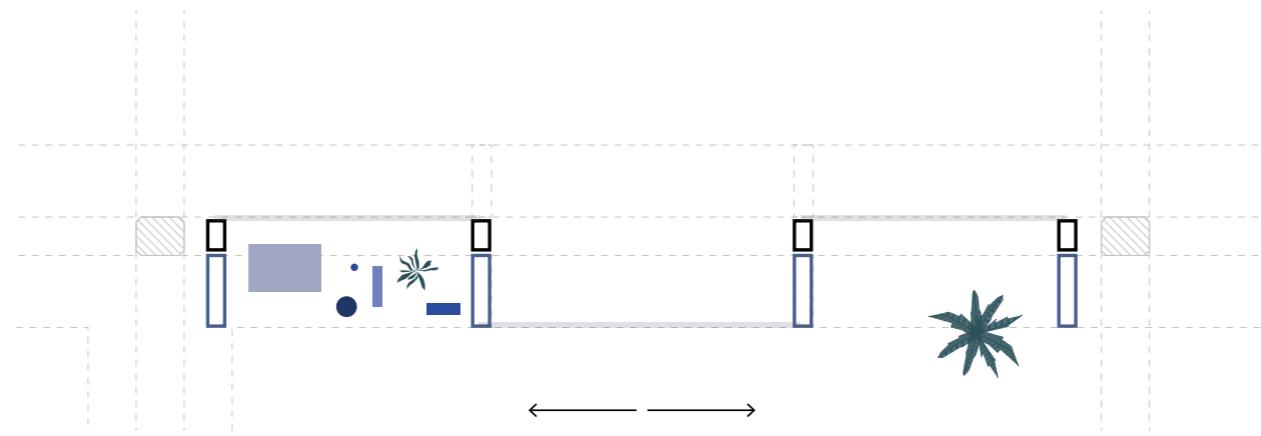
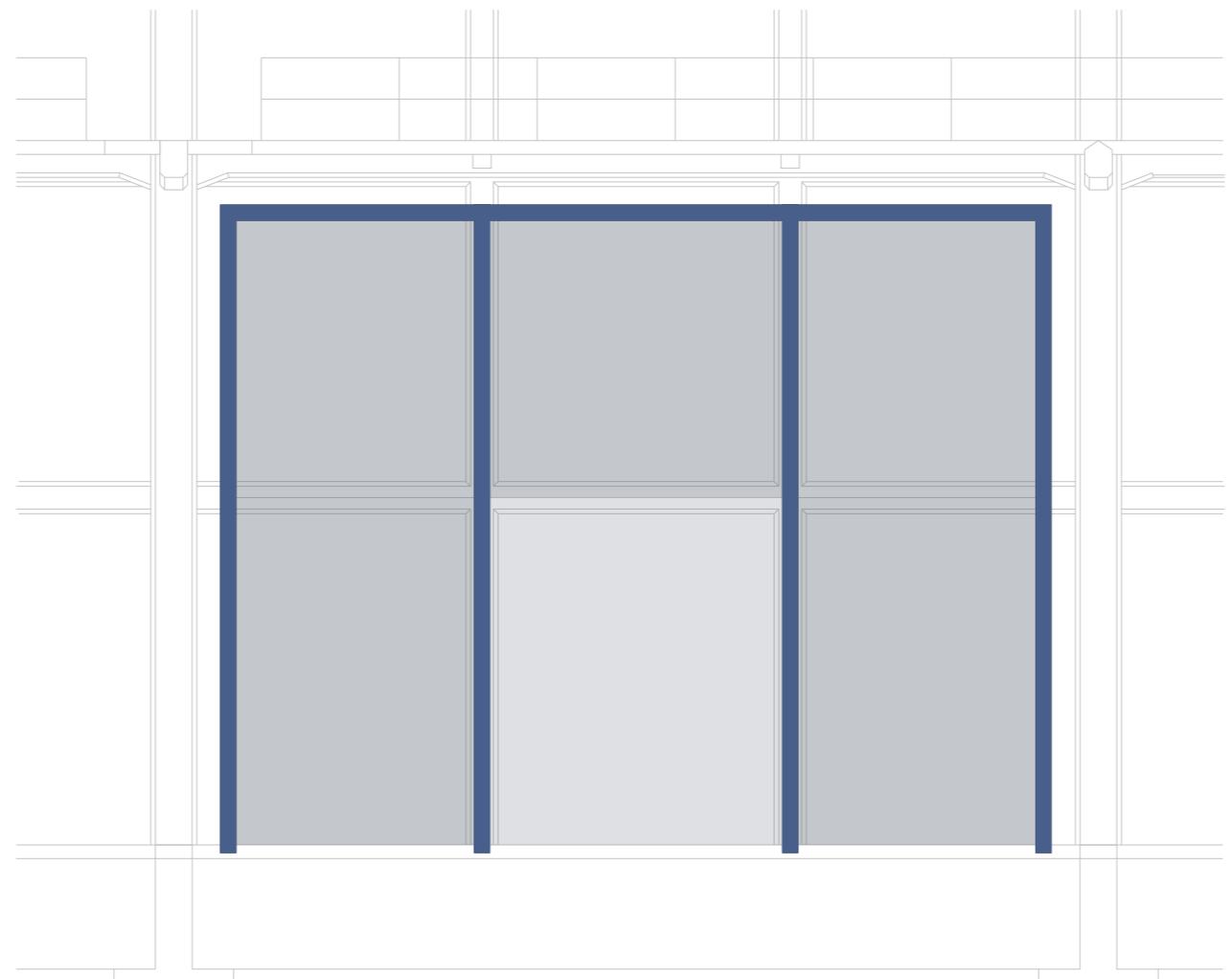
BUILDING

continuation . wall infill



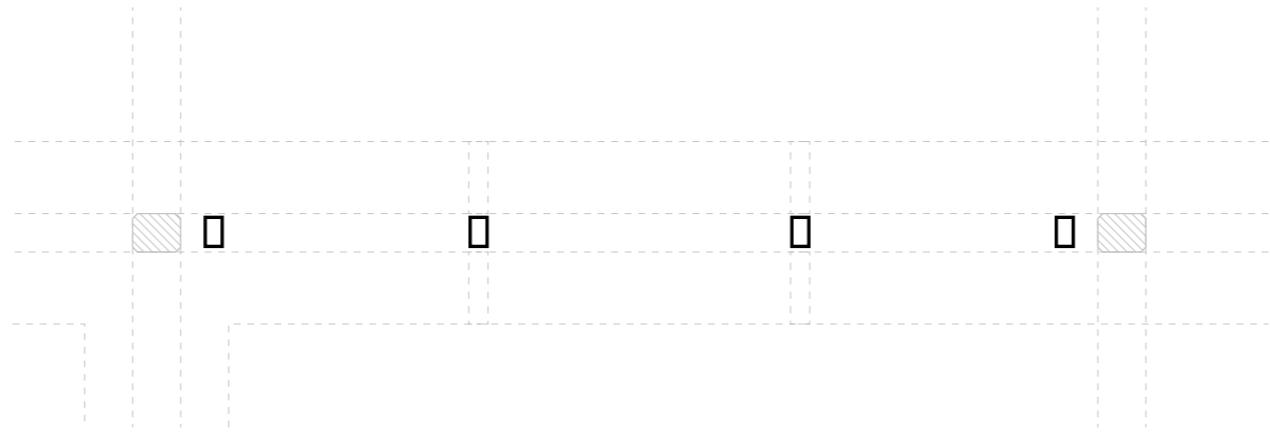
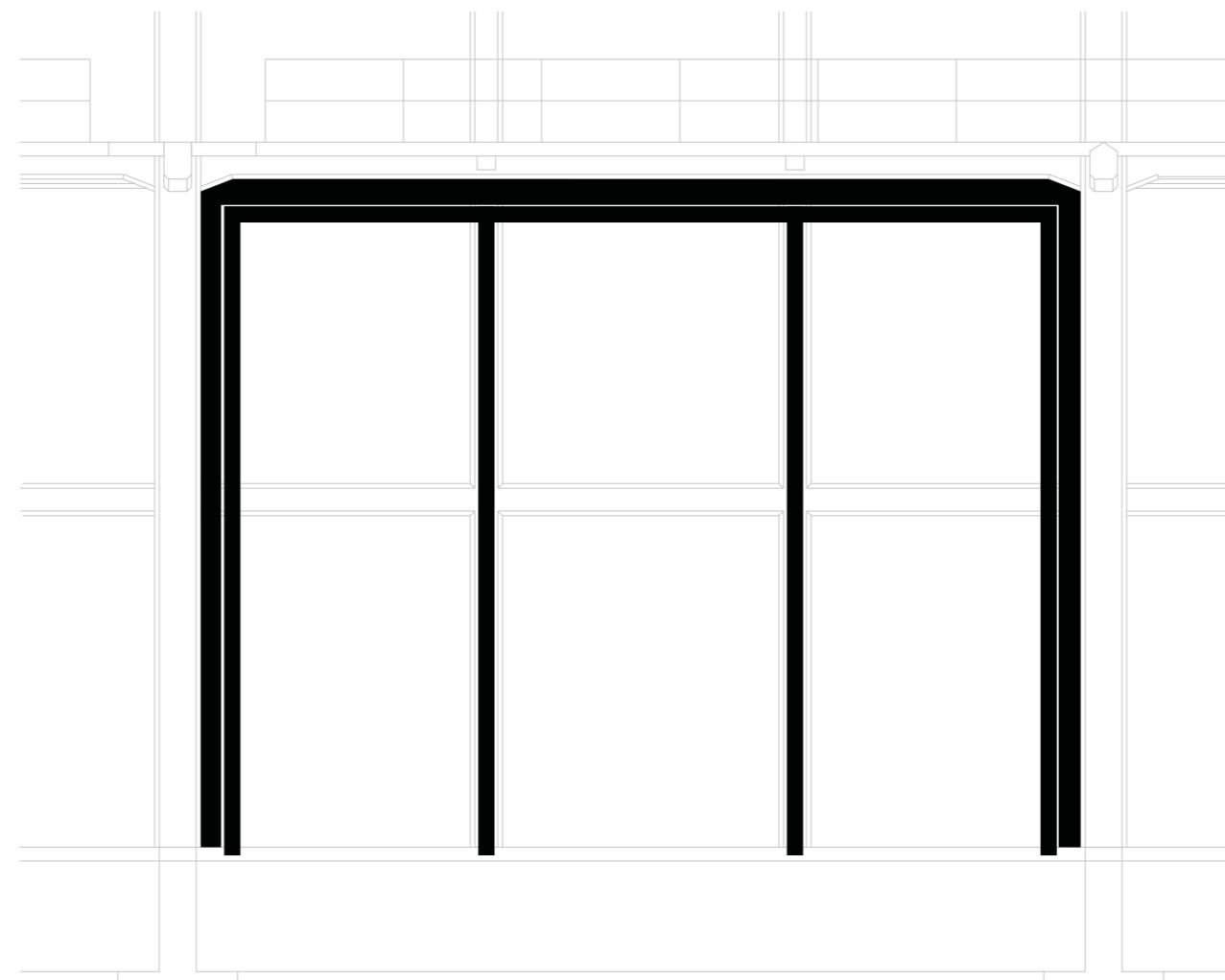
BUILDING

continuation . wall infill



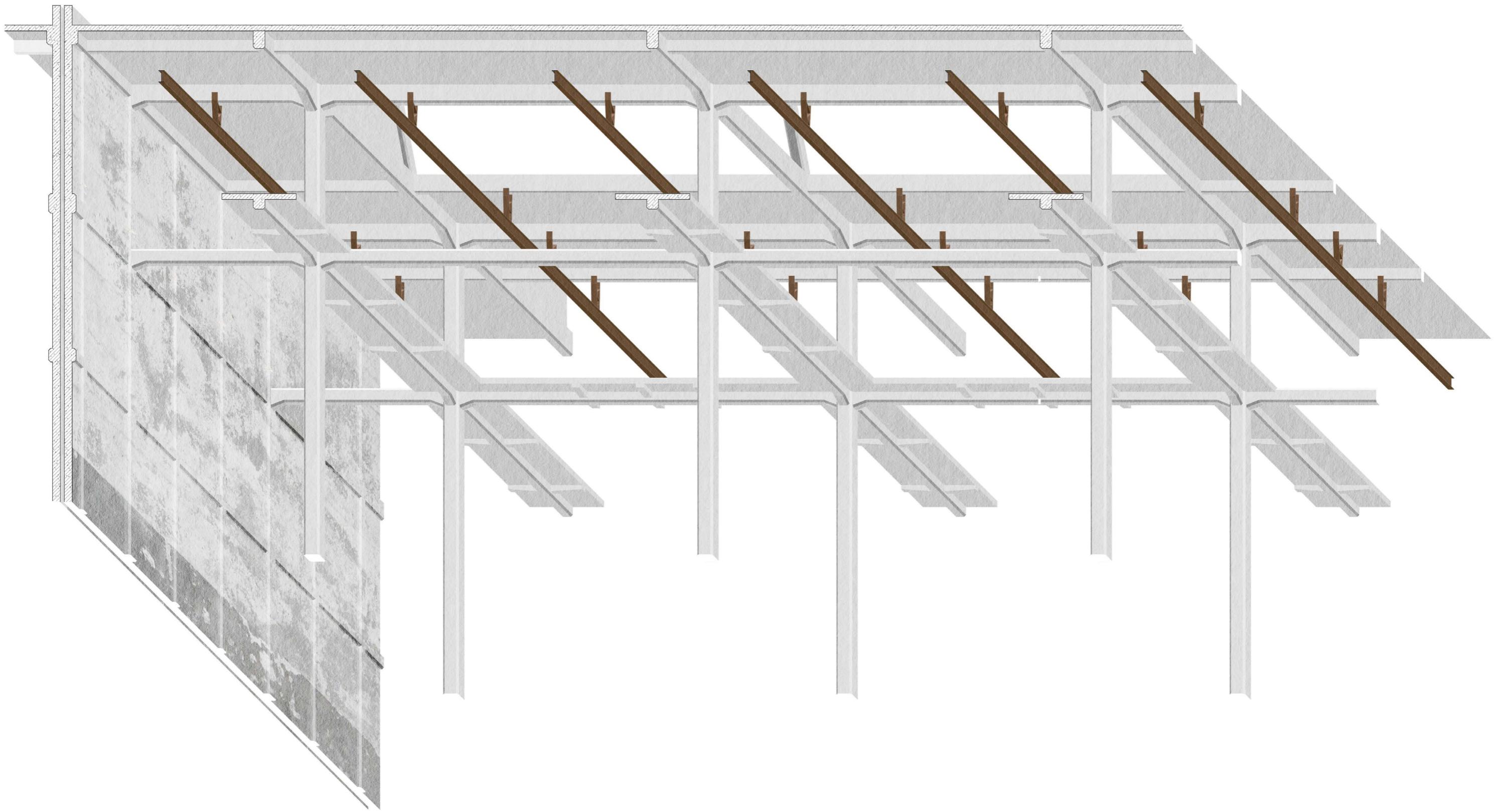
BUILDING

continuation . wall infill



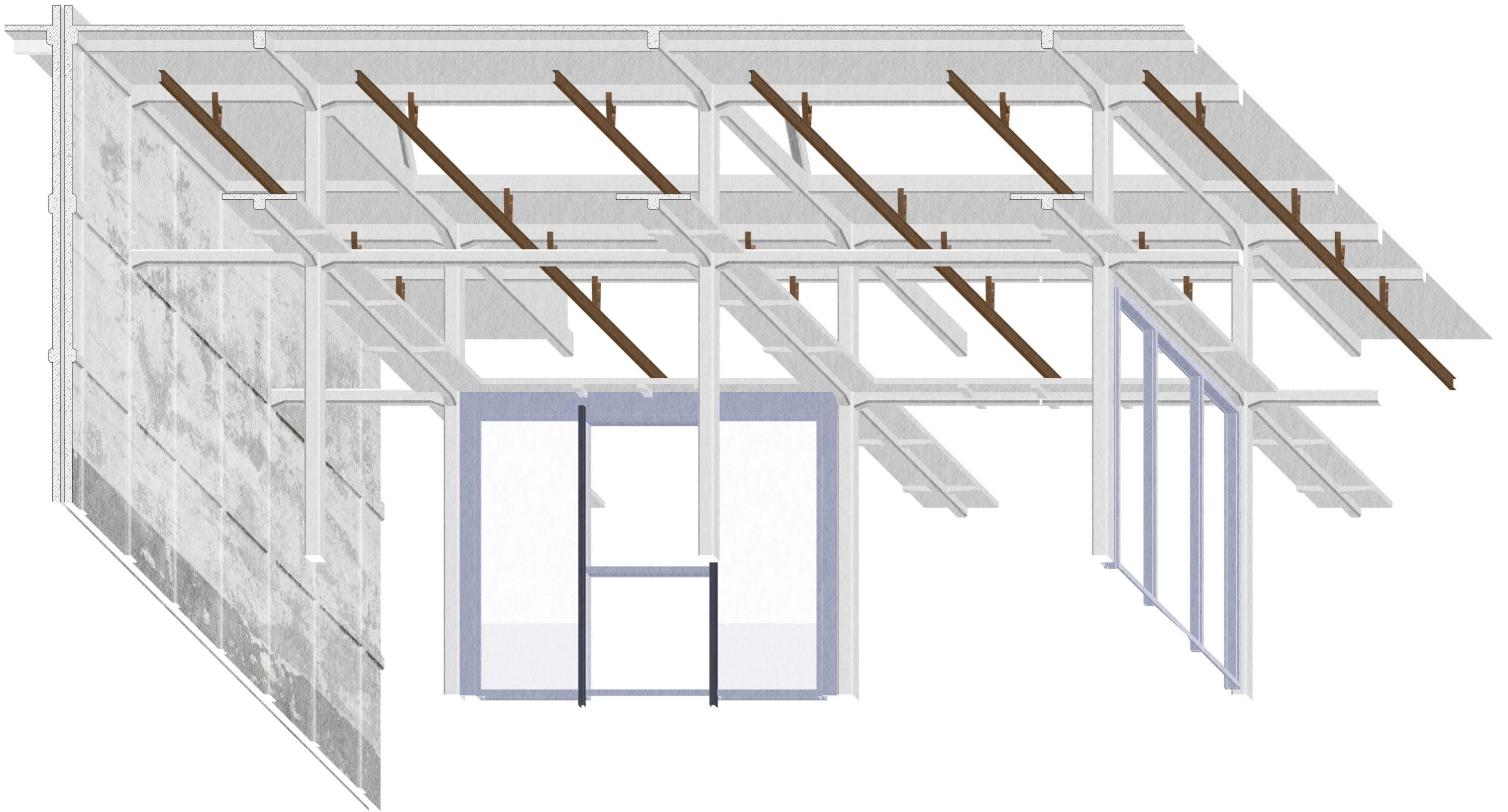
BUILDING

present situation . repetivity



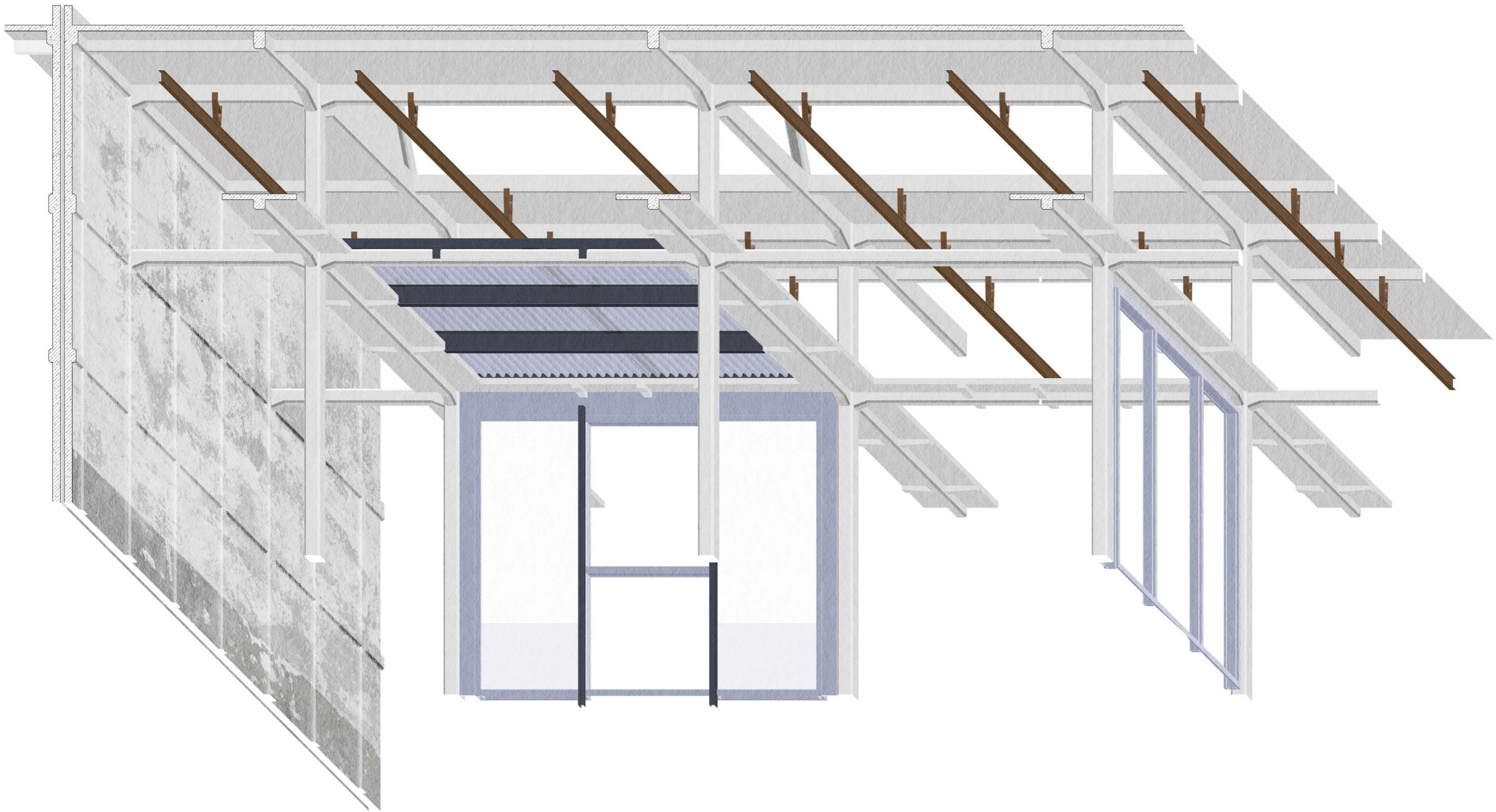
BUILDING

continuation . repetivity



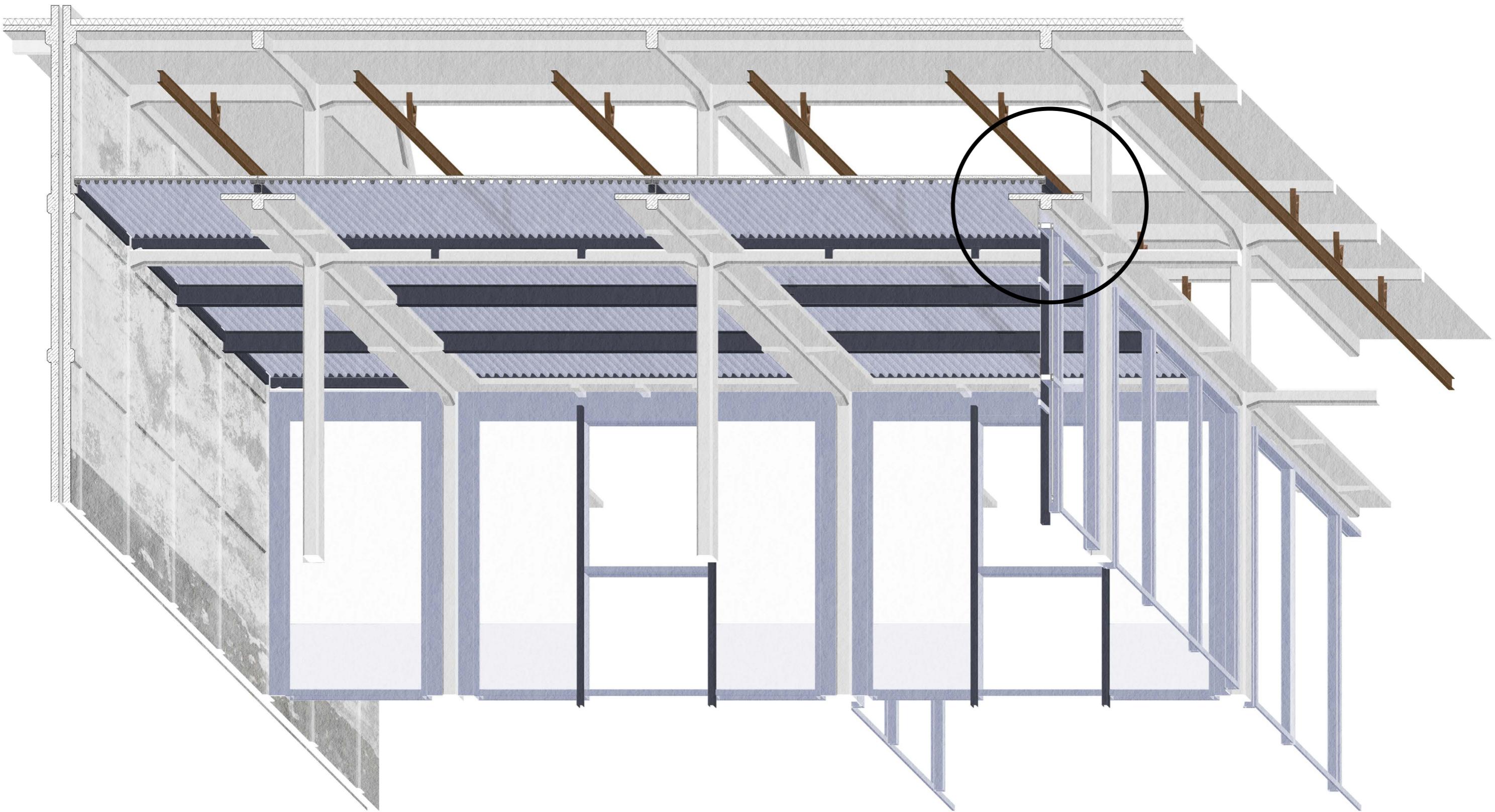
BUILDING

continuation . repetivity



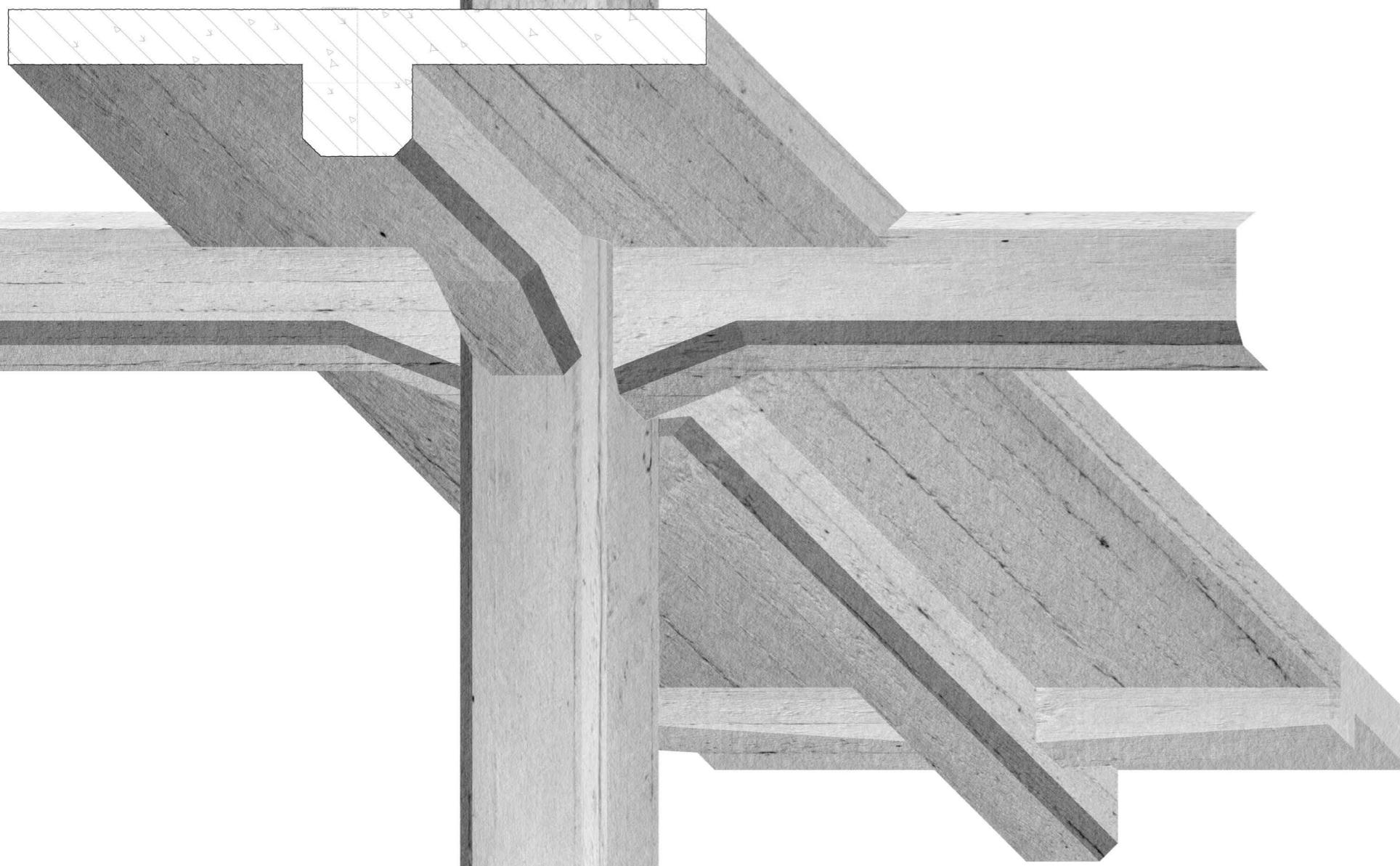
BUILDING

continuation . repetivity



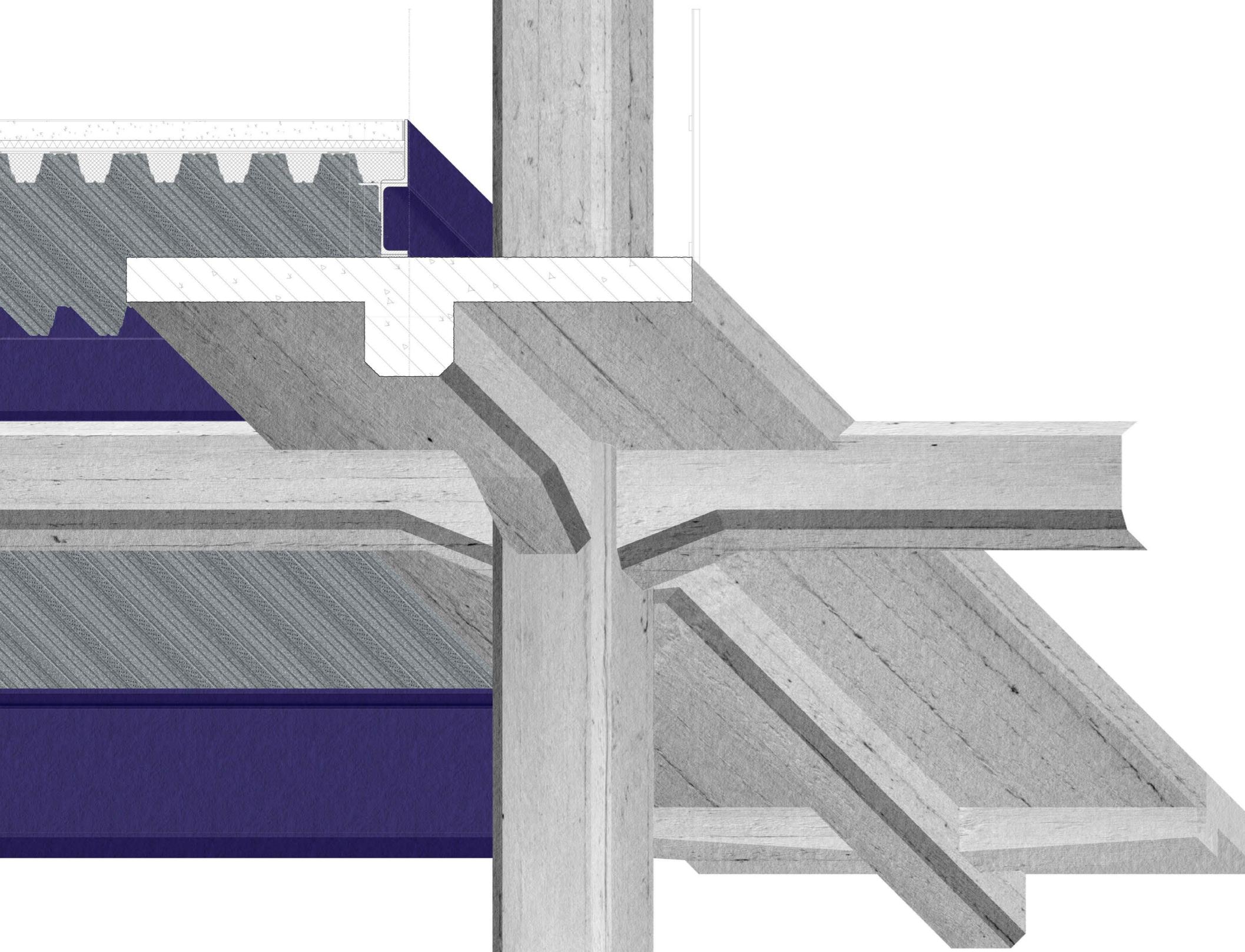
BUILDING

present situation . detailed knot



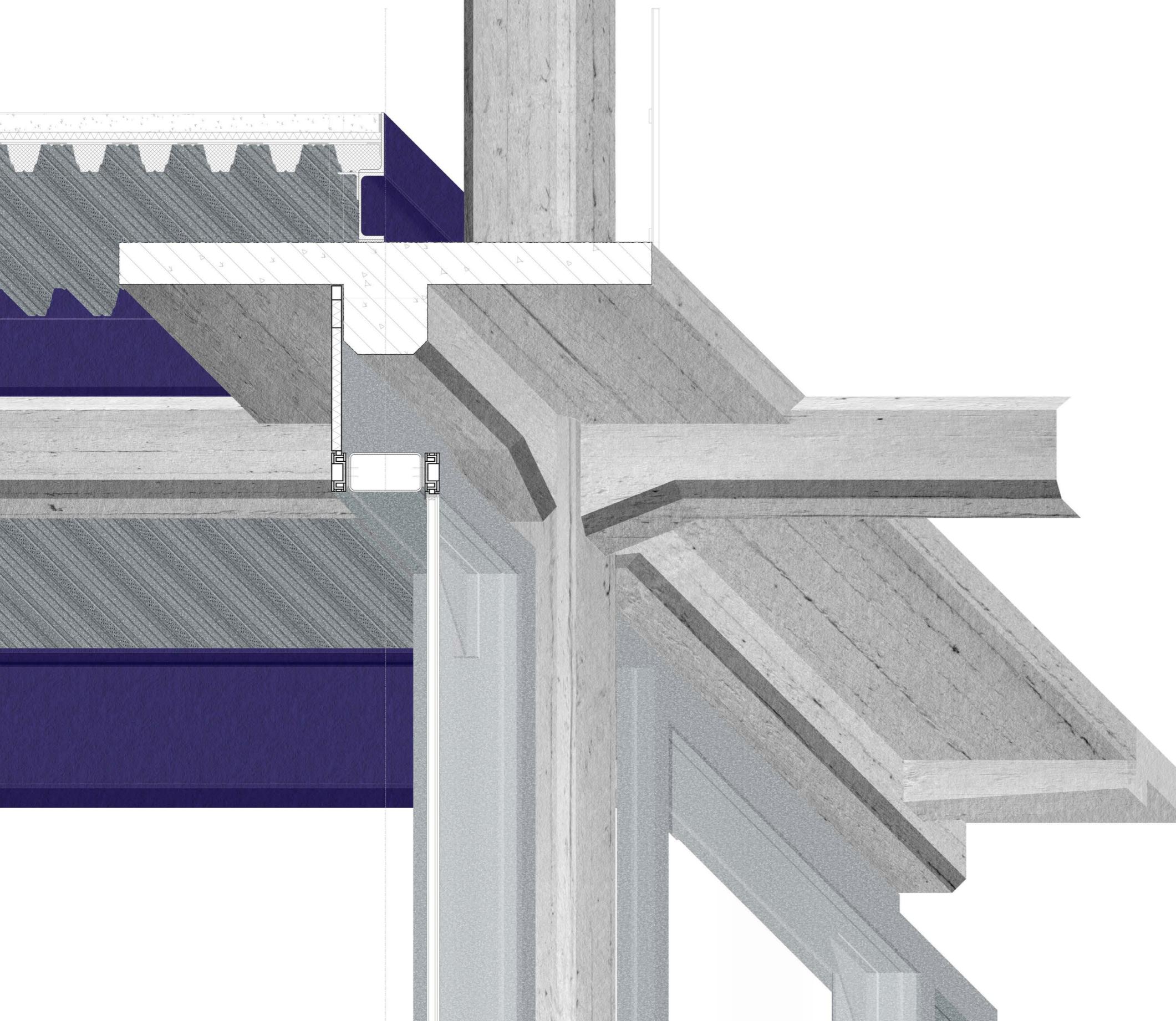
BUILDING

continuation . detailed knot



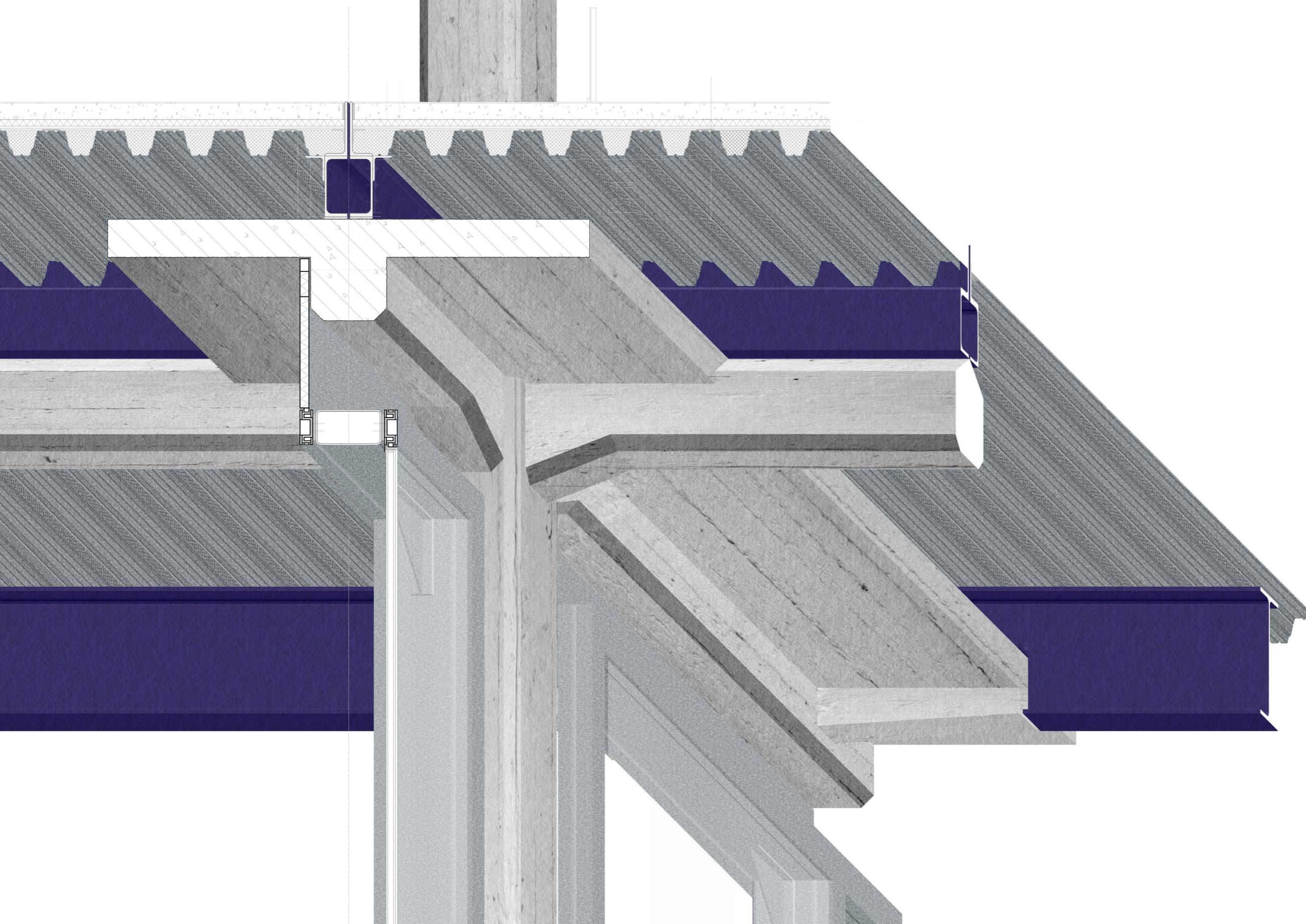
BUILDING

continuation . detailed knot



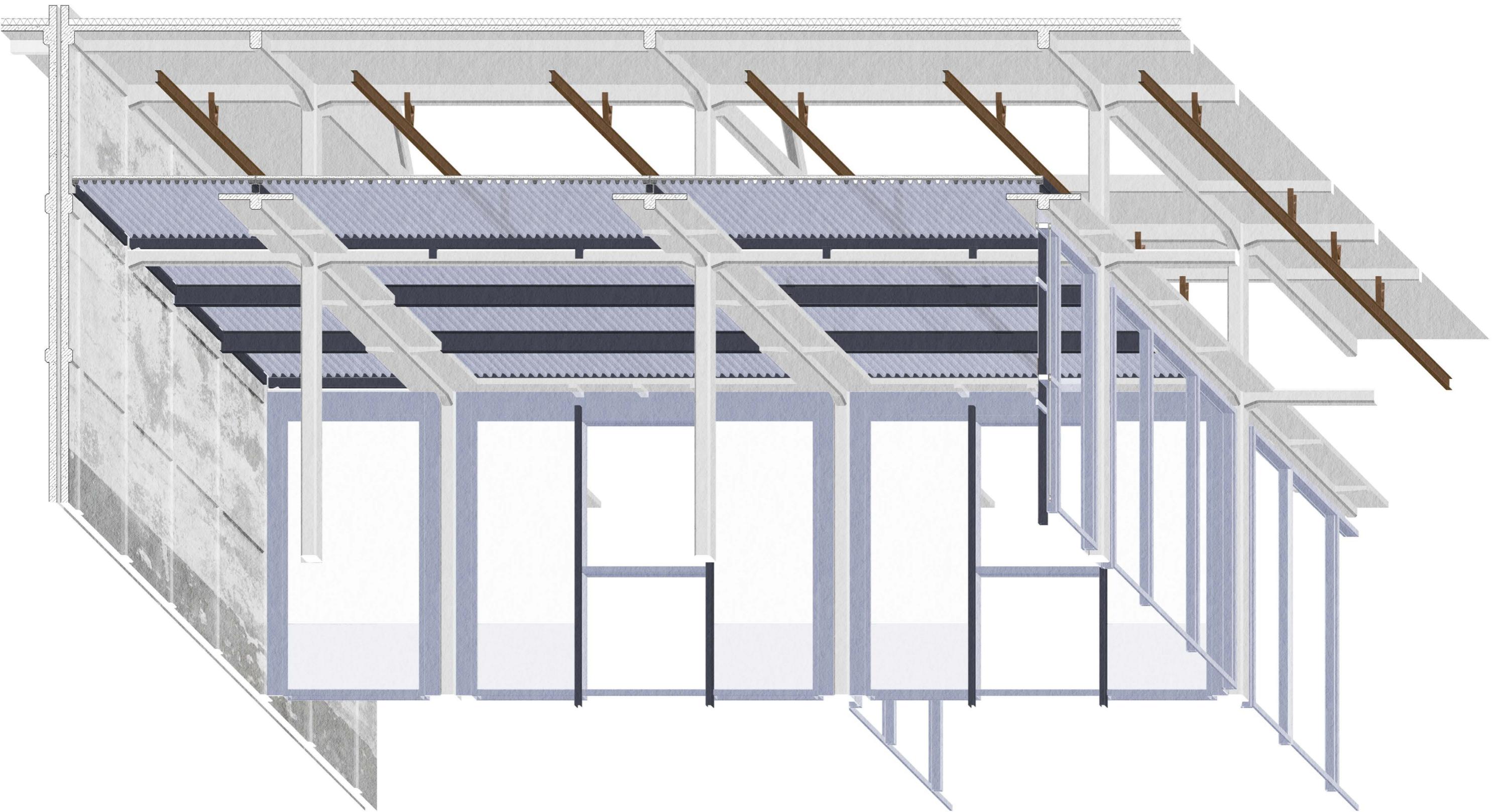
BUILDING

continuation . detailed knot



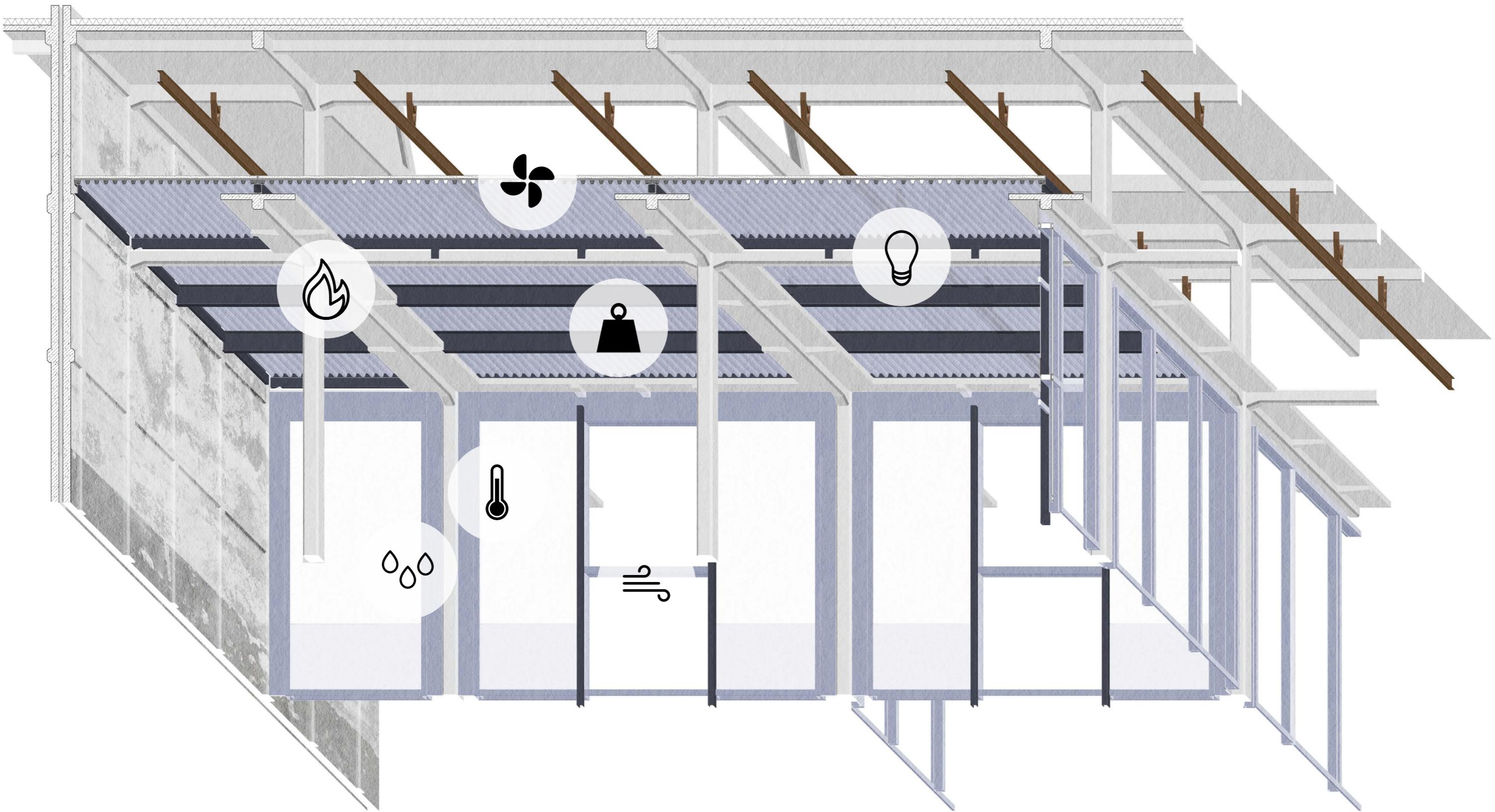
BUILDING

continuation . technical equipment



BUILDING

continuation . technical equipment



BUILDING

continuation . atmosphere



BUILDING

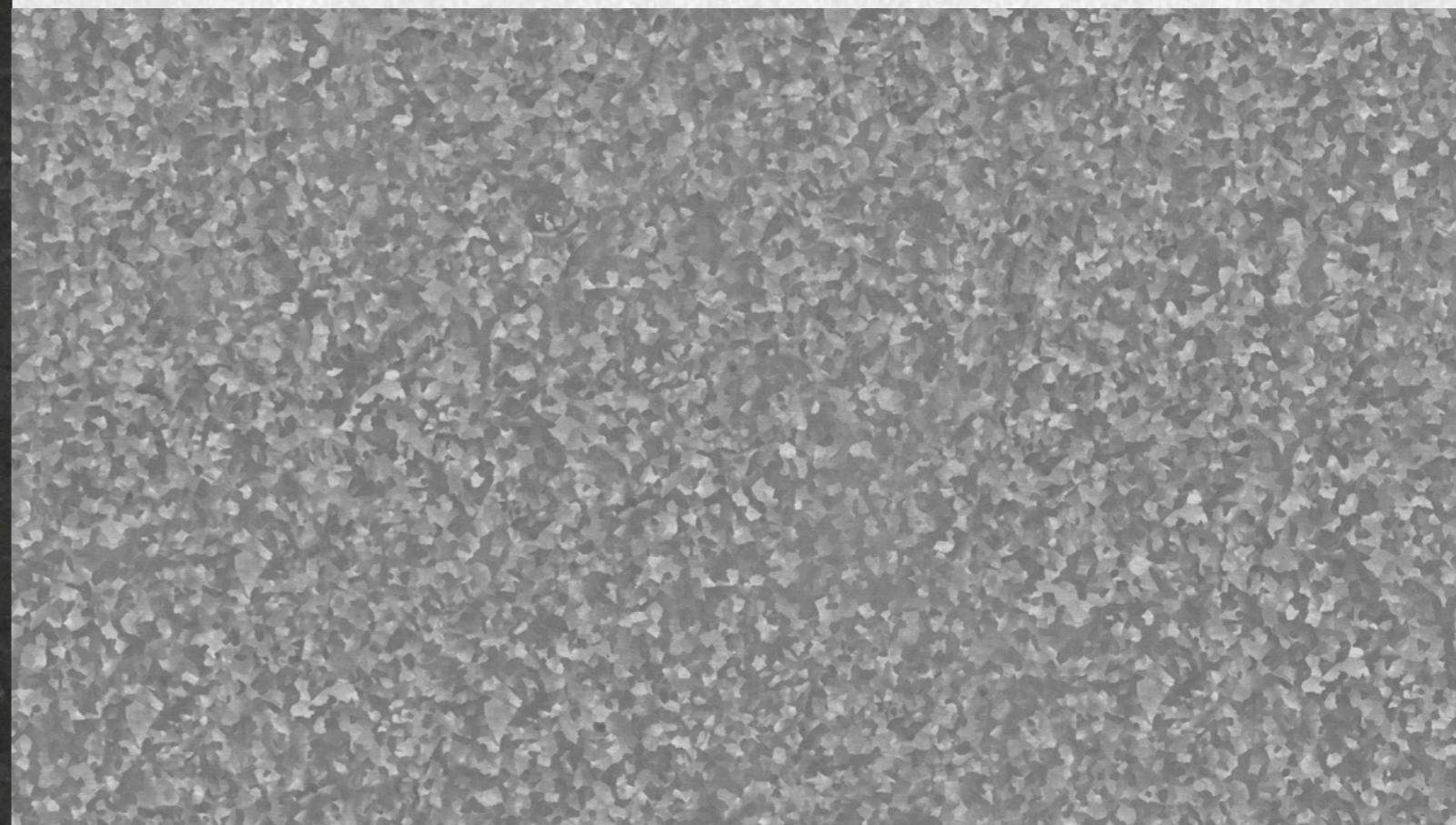
present situation . atmosphere





BUILDING

continuation . atmosphere



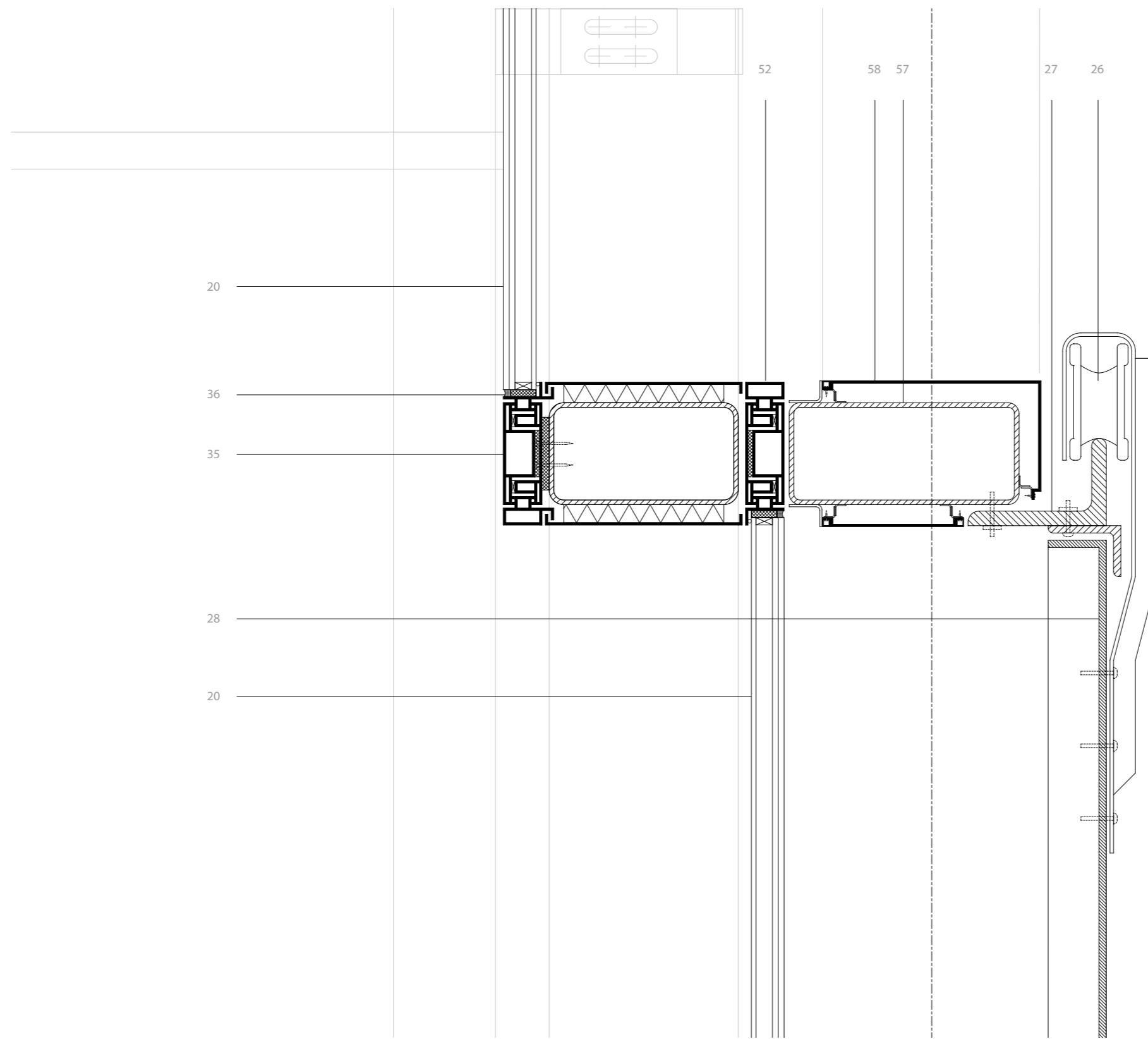
BUILDING

continuation . atmosphere



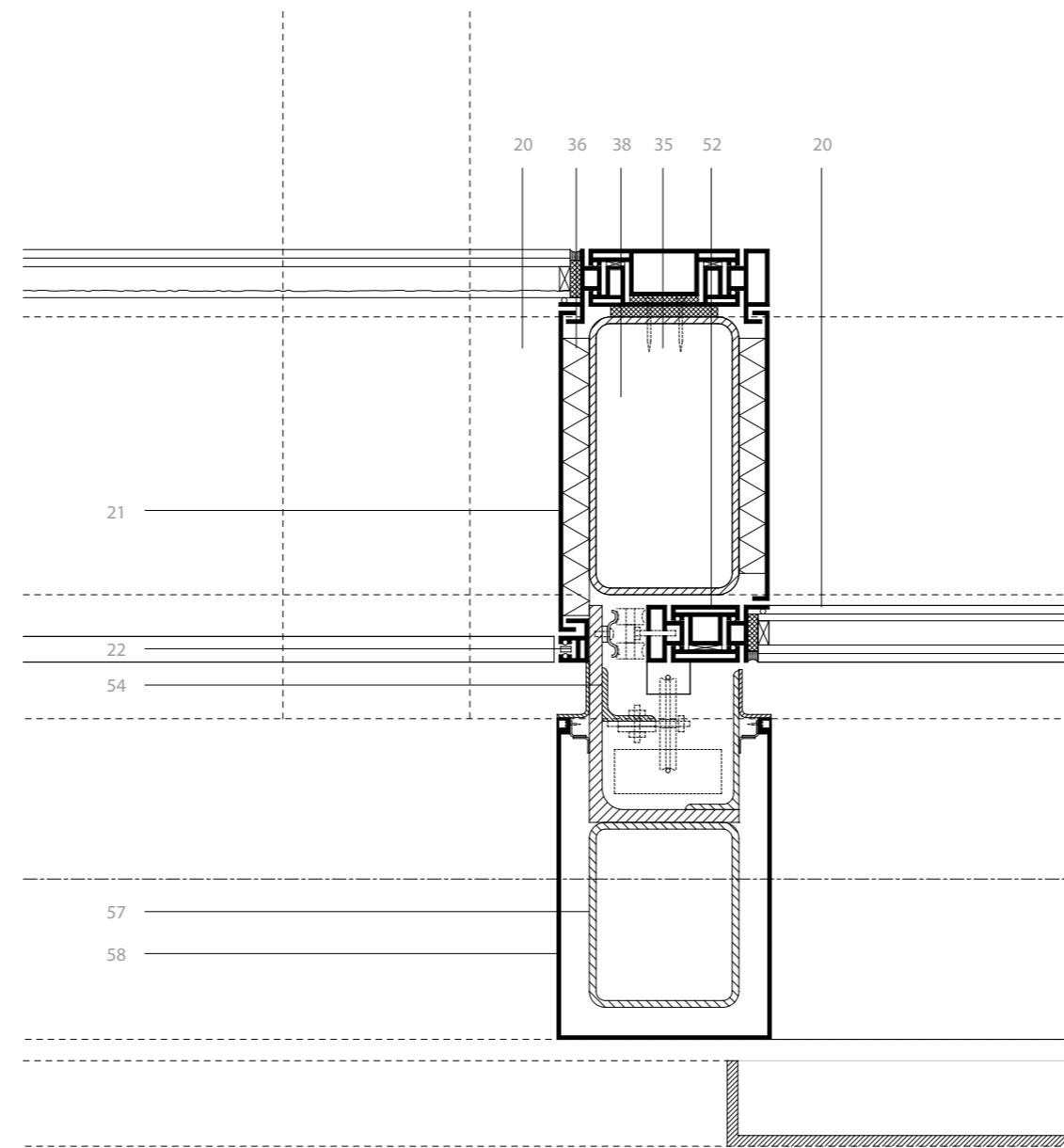
HUMAN SCALE

continuation . door



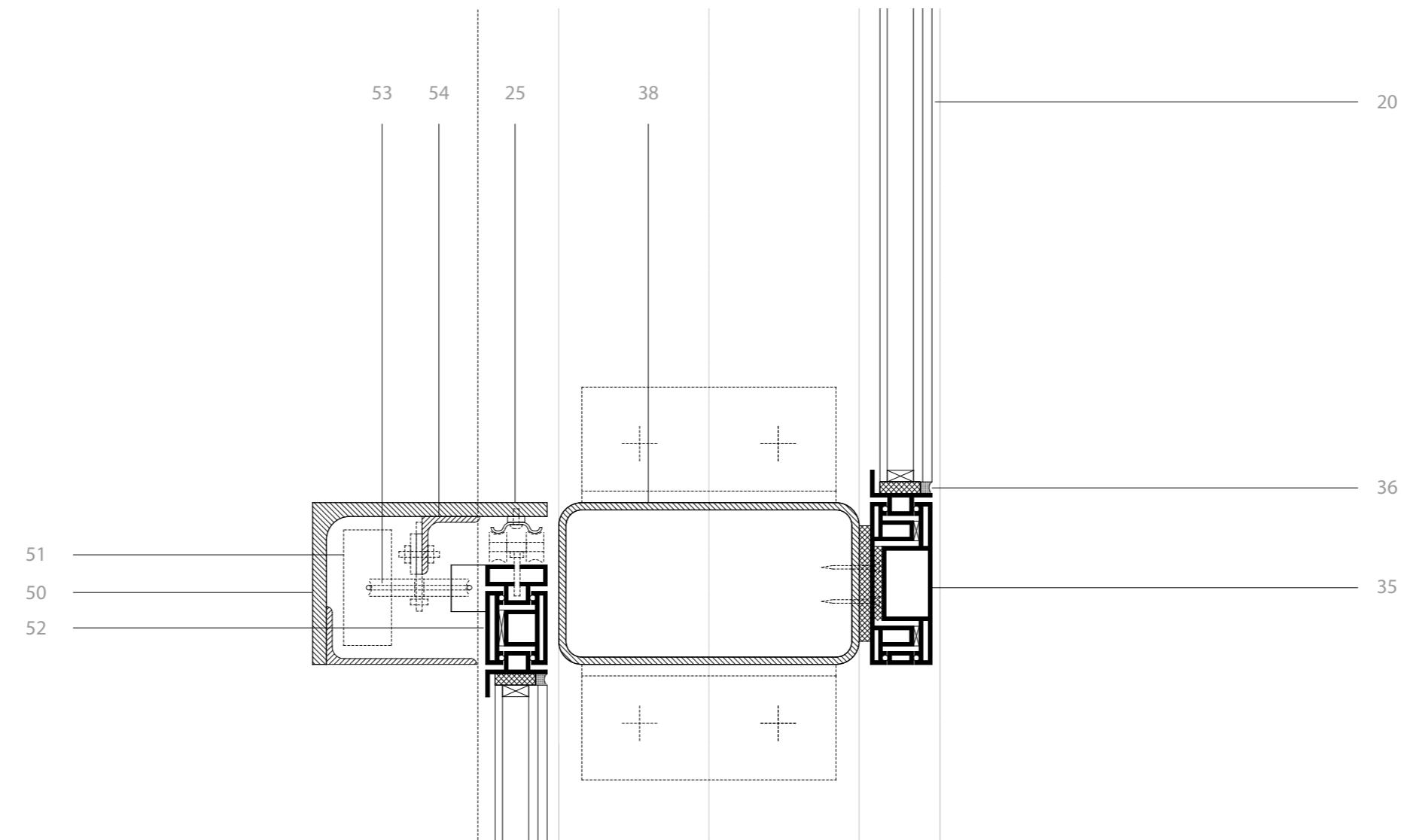
HUMAN SCALE

continuation . door



HUMAN SCALE

continuation . door











PUT THE TOOLS BACK



INNOVEEM

*continuing Katoenveem
moving towards making innovation*