

P5.

Transformation of Campus South into a creative hub

By Emma van Asselt

Heritage and Architecture

Architecture: Lidy Meijers

Building Technology: Frank Koopmans

Delegate: Peter de Jong

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01. Position within architecture | Personal fascination

02. Introduction site | context

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09. Design

Design

10. Transformation

11. Final design

Position within architecture

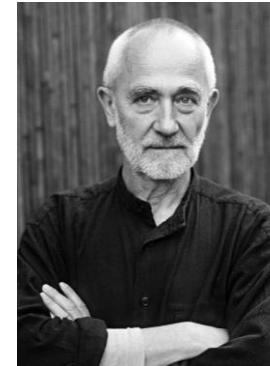
How to give the user a more dimensional
experience of architecture?

Phenomenological approach of architecture

Strengthen the experience and perception of architecture by
addressing multiple senses of the human body

(NL: aanspreken van meerdere zintuigen)

light, sightlines, proportion, material,
textures, acoustics



Peter Zumthor

“Design a building that has
the ability to move
someone”



Steven Holl

“buildings that satisfy the
spirit as well as the eyes”

01.

Position within architecture

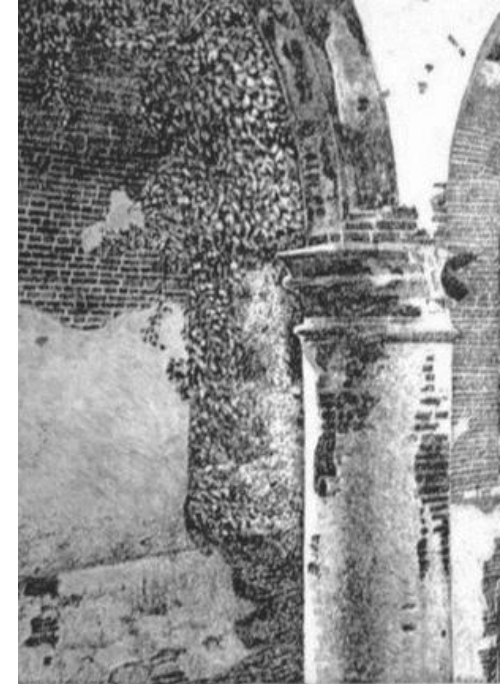
fascination



Modern architecture
Museum Insel Hombroich



Delta shelter
Island Madonna del Monte



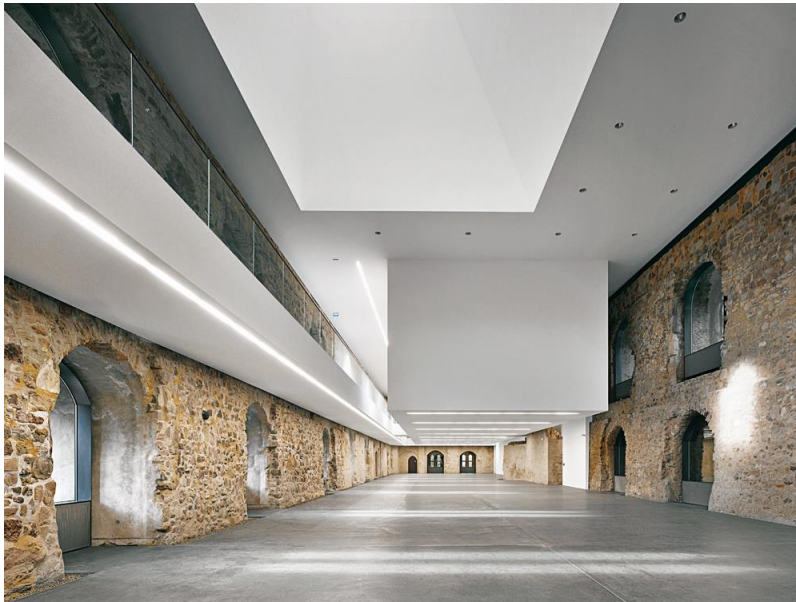
Thesis about ruins in art
Artist: Han van Hagen

01.

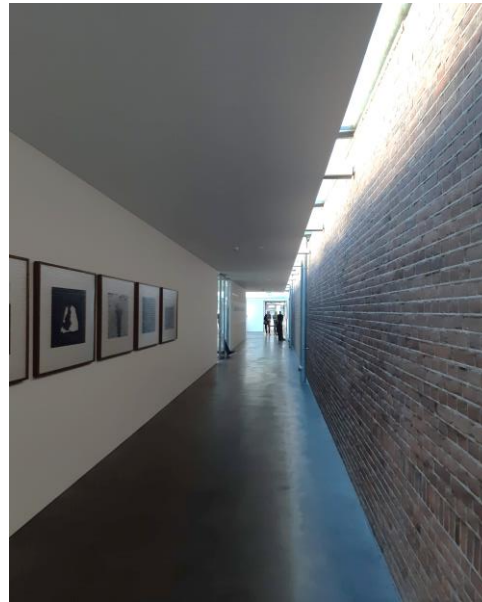
Position within architecture

Reference projects:

Fascination + senses



Museum Arte de Moritzburg in Halle



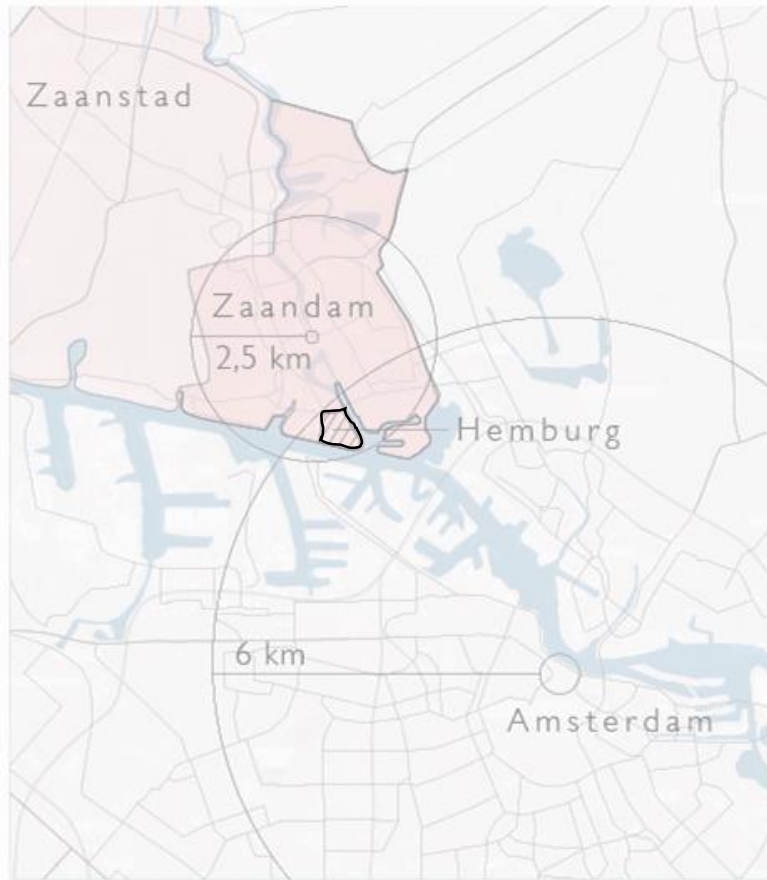
Museum De Pont in Tilburg



Het schwarze haus in Königswinter Duitsland

Introduction assignment

The Hembrug terrain

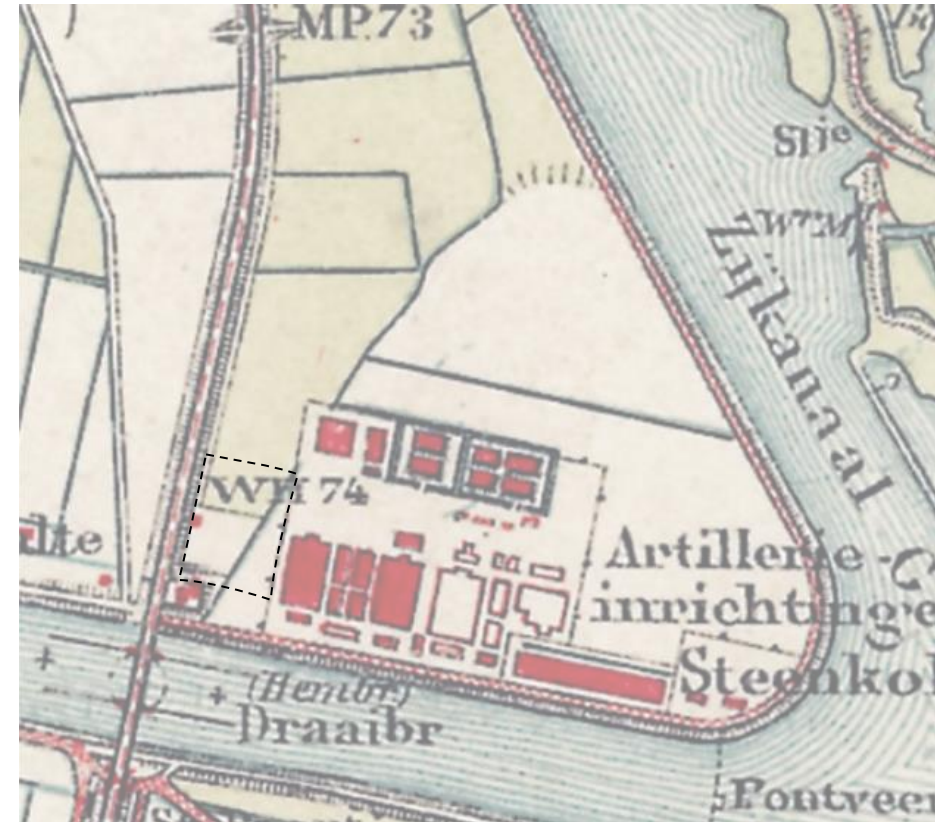


Green enclave in urban context



History and former use

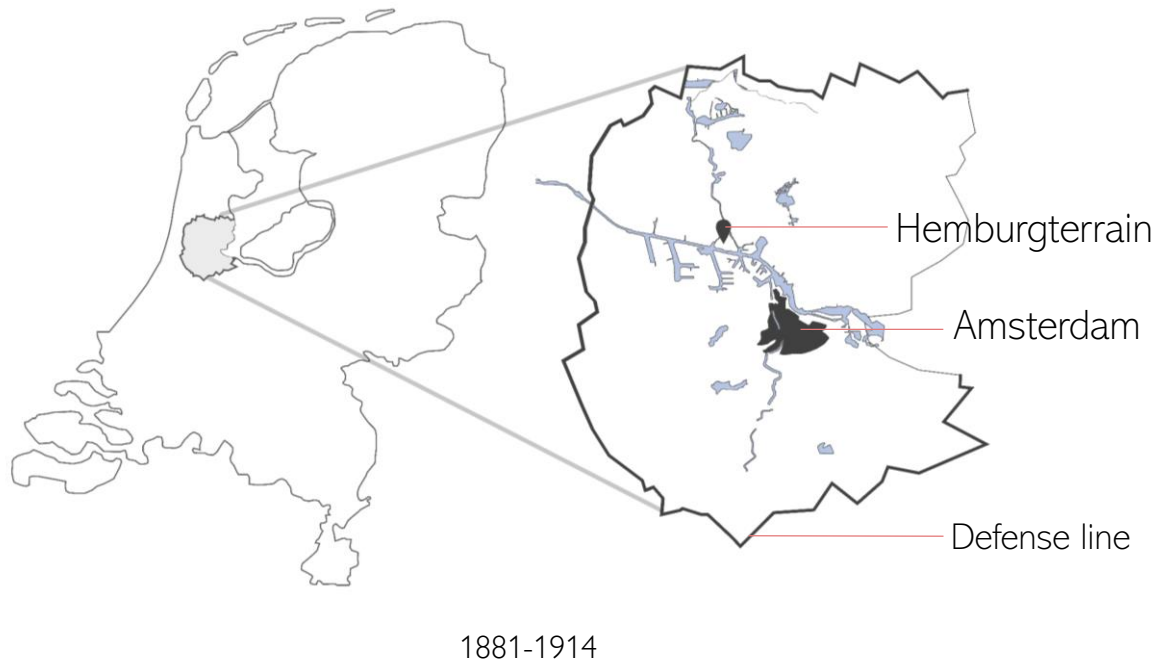
Military weapon production during the 20th century by the Artillerie Inrichtingen



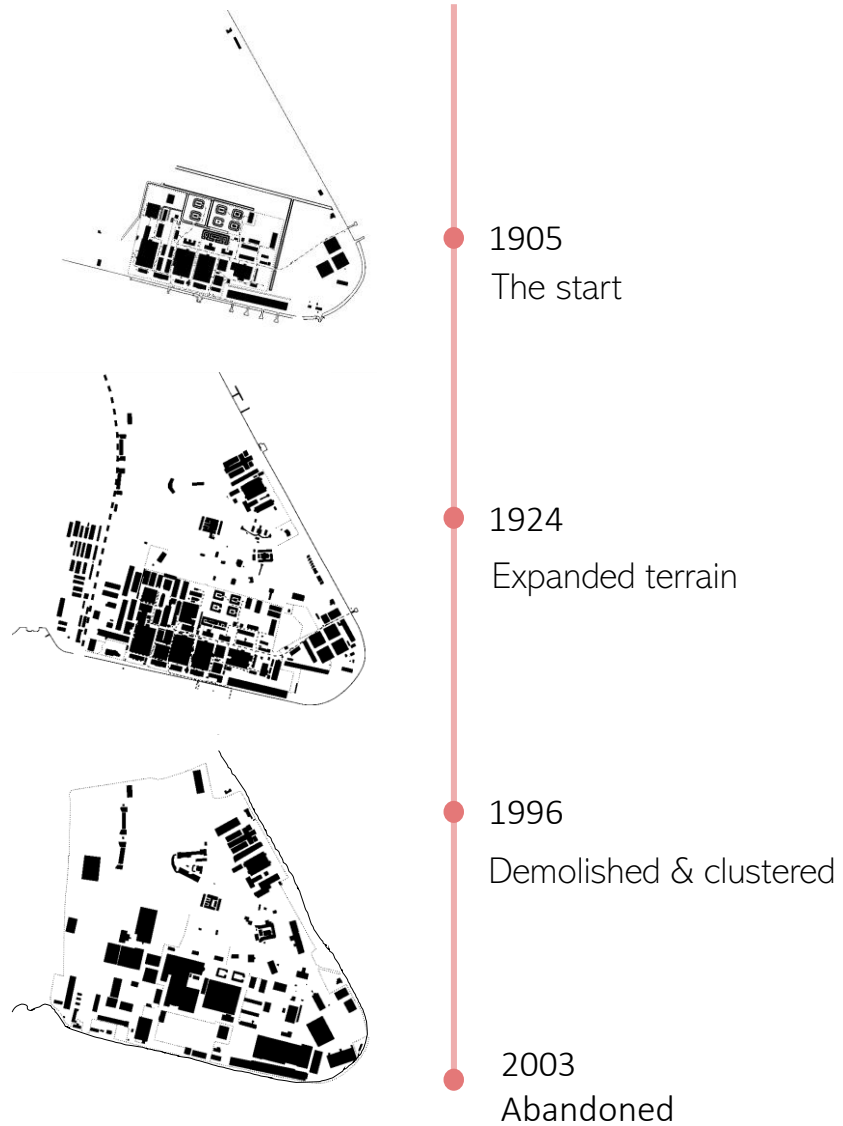
First layout of the terrain in 1901

History and former use

Strategic position within the defense line
'Stelling van Amsterdam'



Development



1901

03.

History and former use

Abandoned

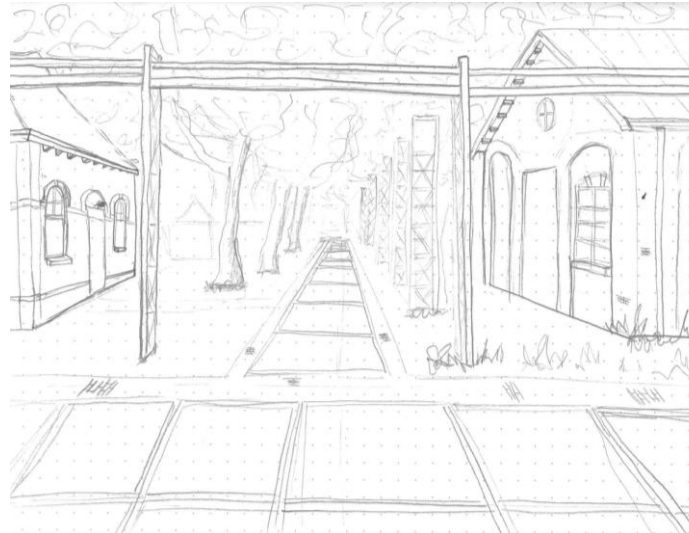


Current situation of the terrain

The Hembrug terrain | first impression



Robust buildings decorated with brick ornaments



Consistency through the concrete floor slabs and the steel frame for the pipeline network



Mysterious and inaccessible due to decay and wild nature

Current situation of the terrain

Up coming cultural hub

"A clustering of cultural venues such as museums, galleries and performance spaces with secondary attractions including food and retail"



HEMbrug market



Food events



Music events



Lab 44 (restaurant + more)



Het Hem museum



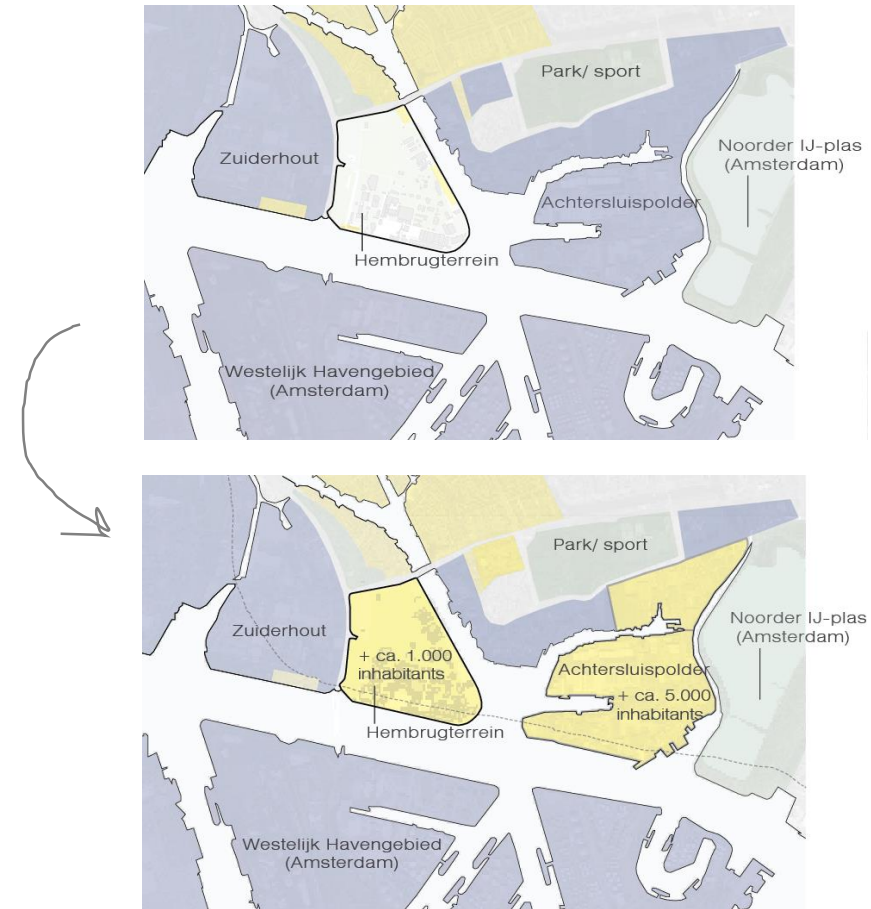
Photo museum 'Streets of the World'

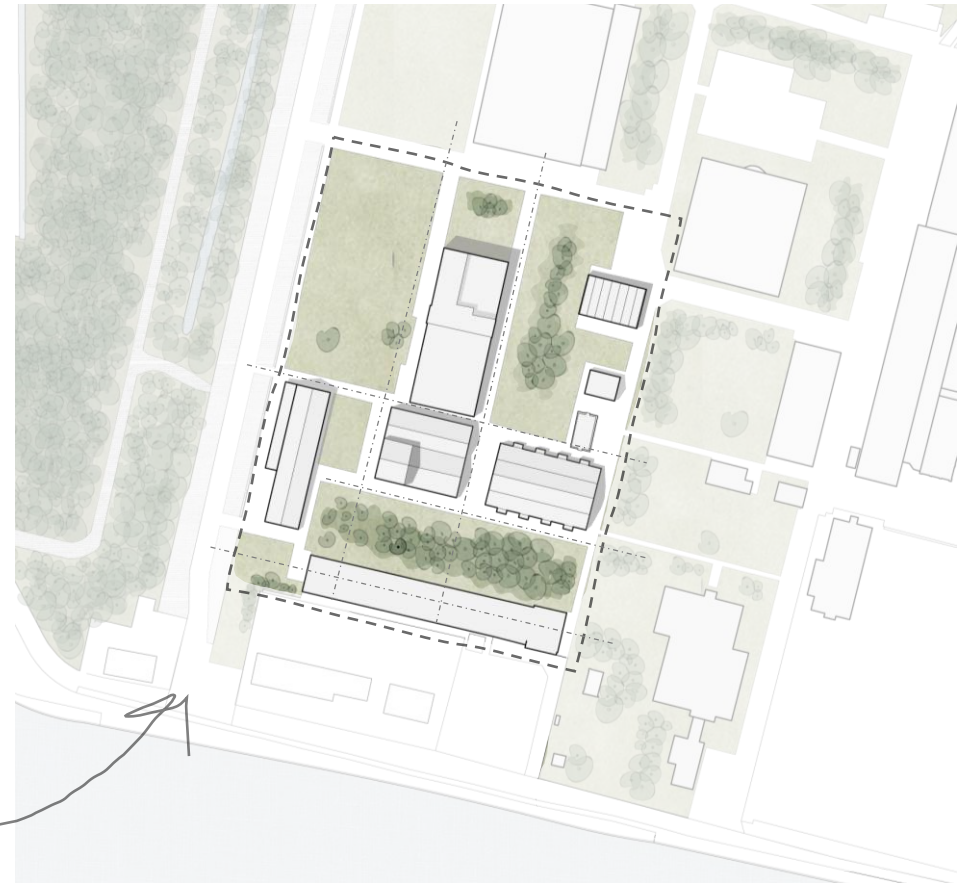
Future perspective

Housing will increase social security

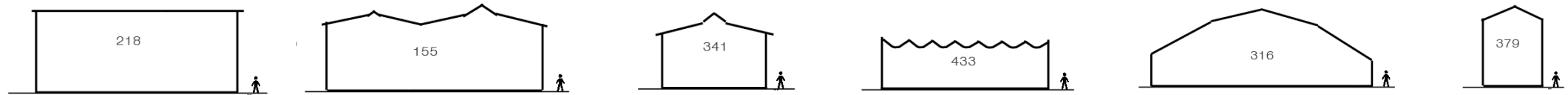
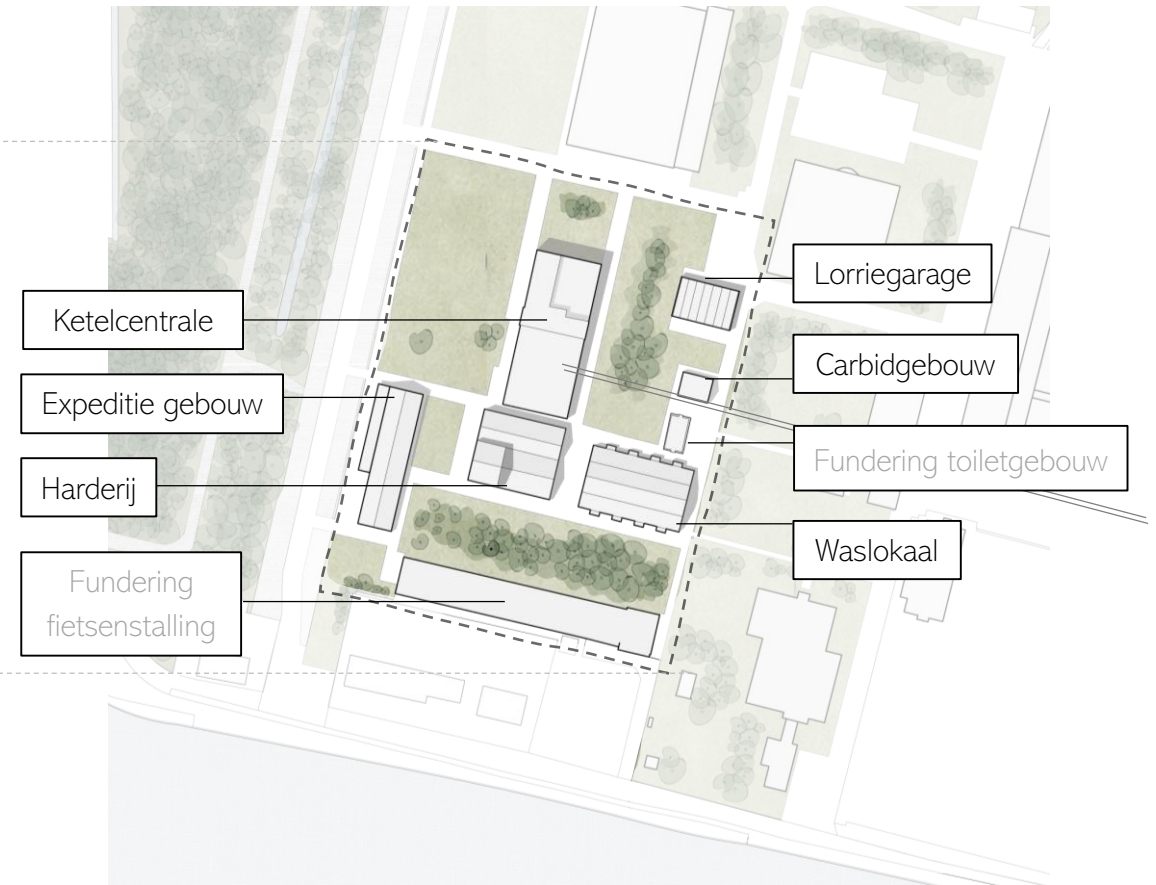
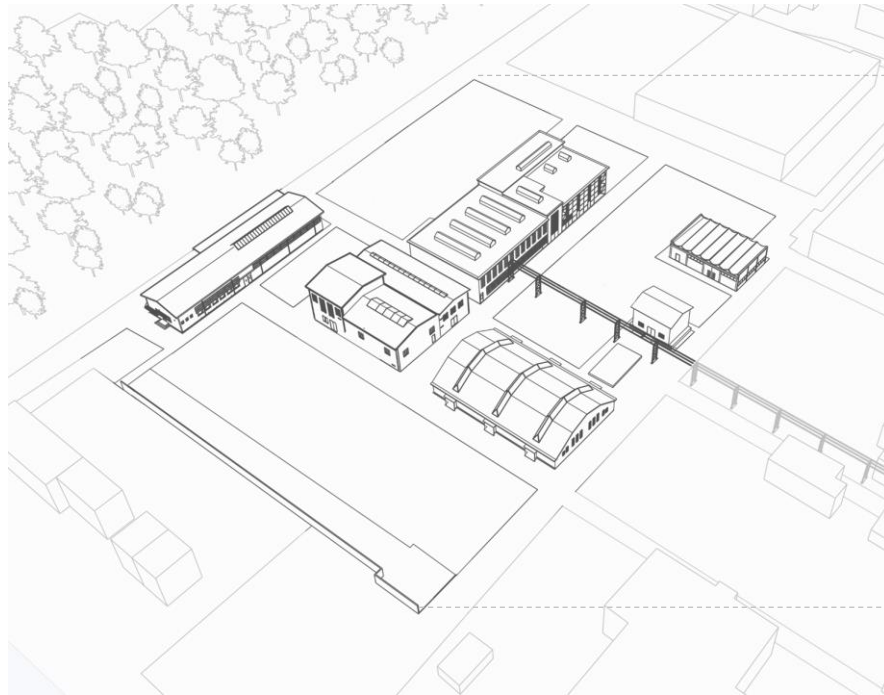


Demand of housing in Amsterdam



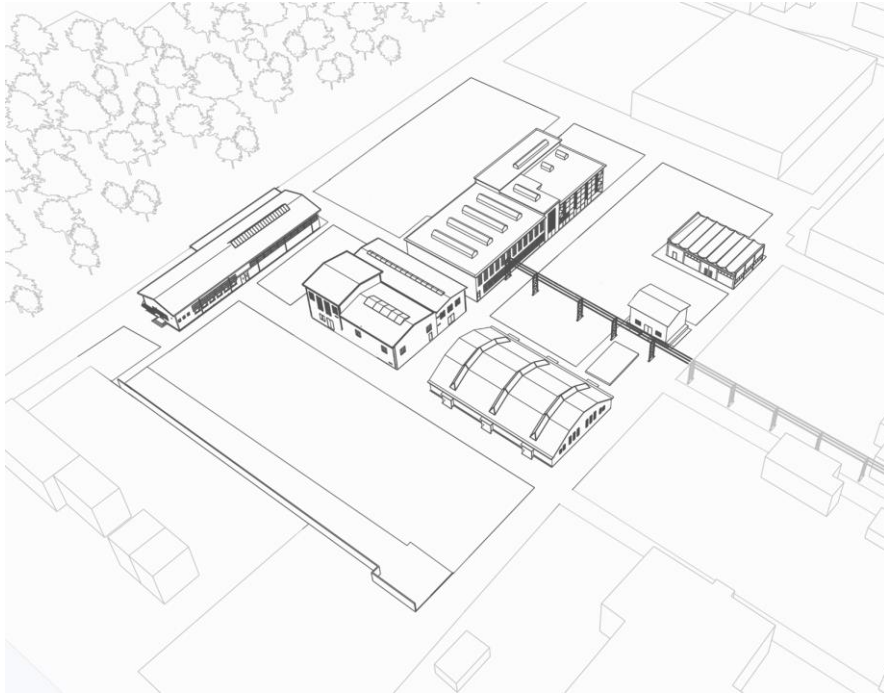
Ensemble Campus South

Ensemble Campus South



Ensemble Campus South

Six buildings and two foundations



Expeditie gebouw



Lorriegarage



Waslokaal



Ketelcentrale



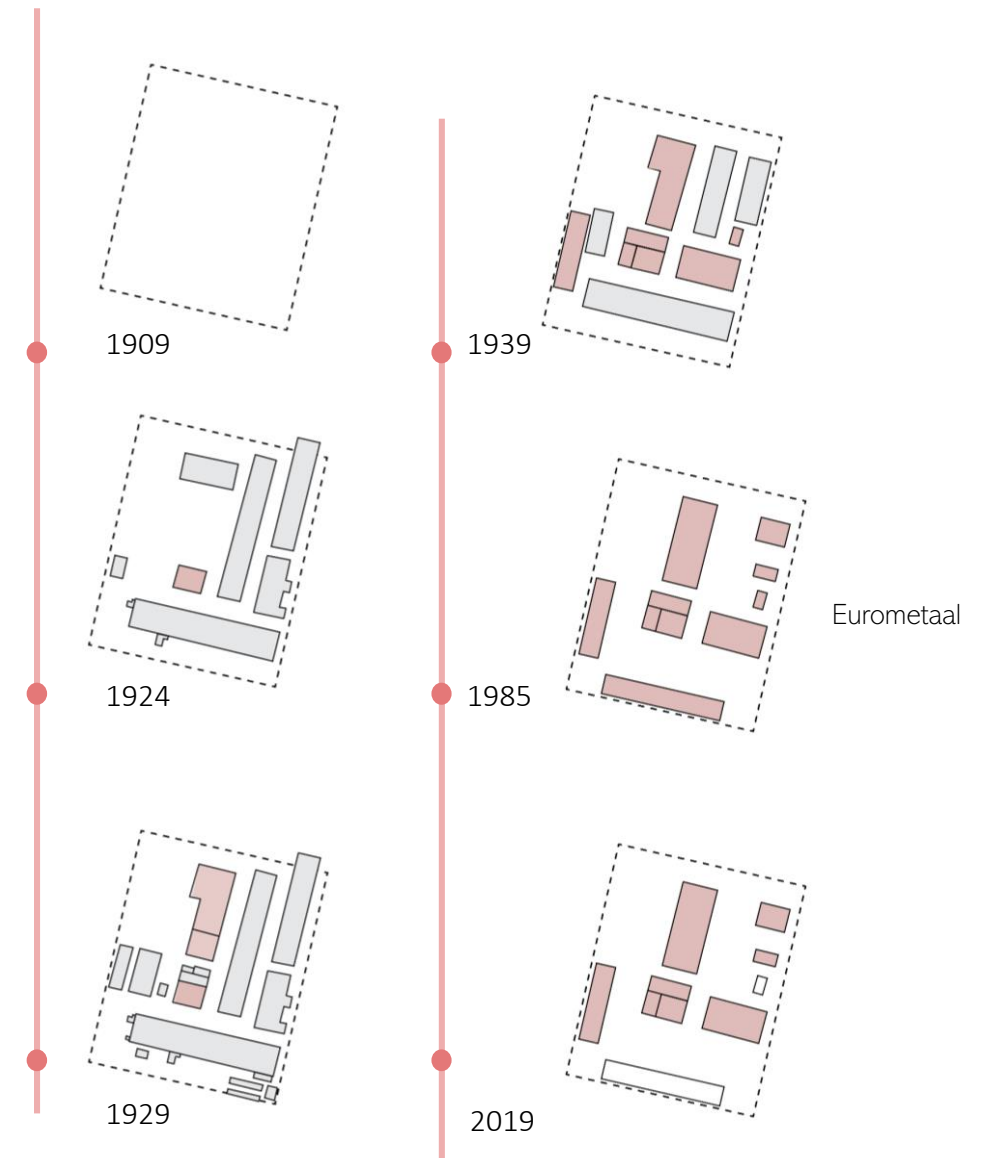
Harderij



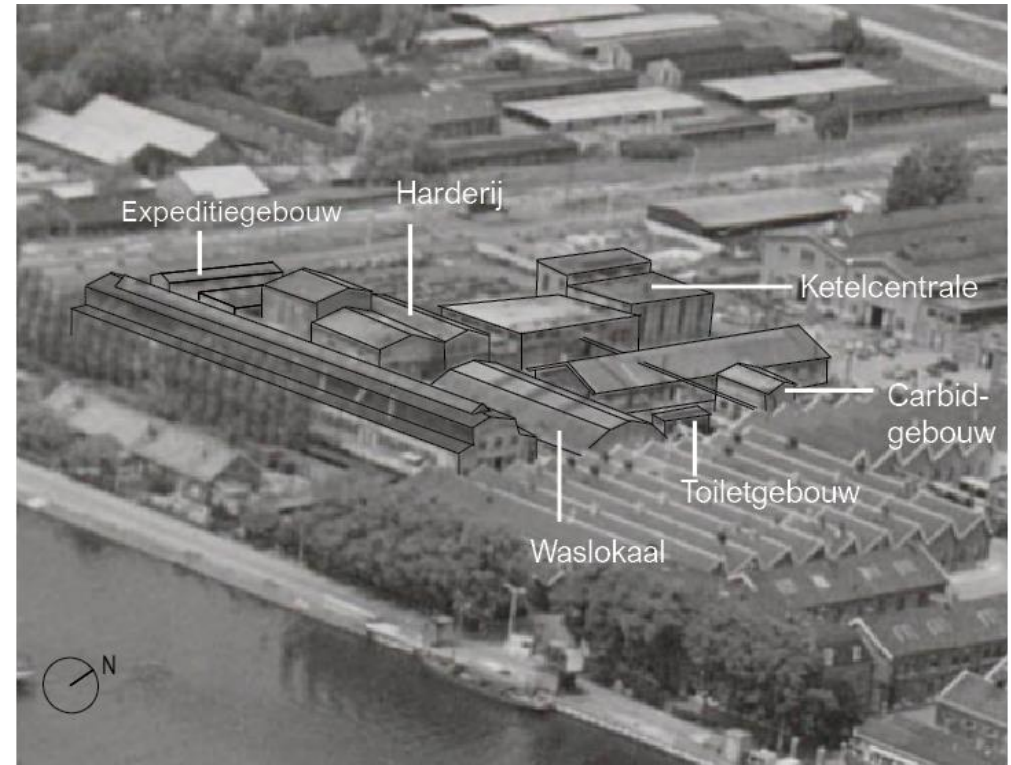
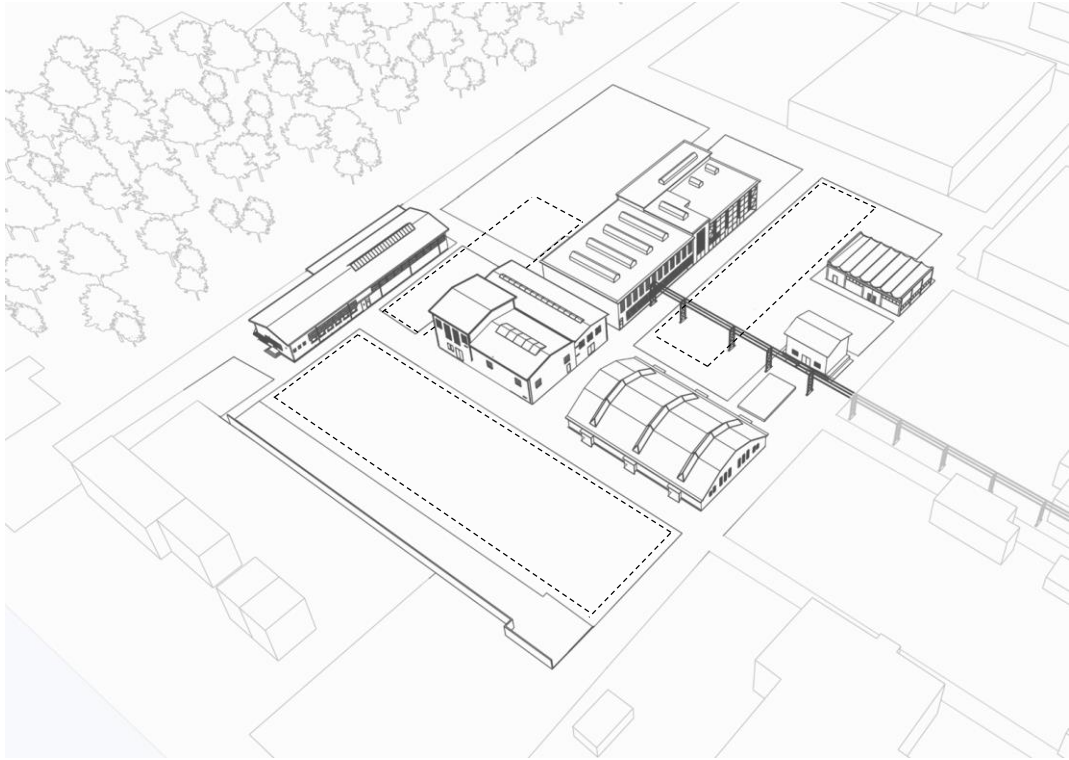
Carbid gebouw

Ensemble Campus South

The composition wasn't always like this



Ensemble Campus South

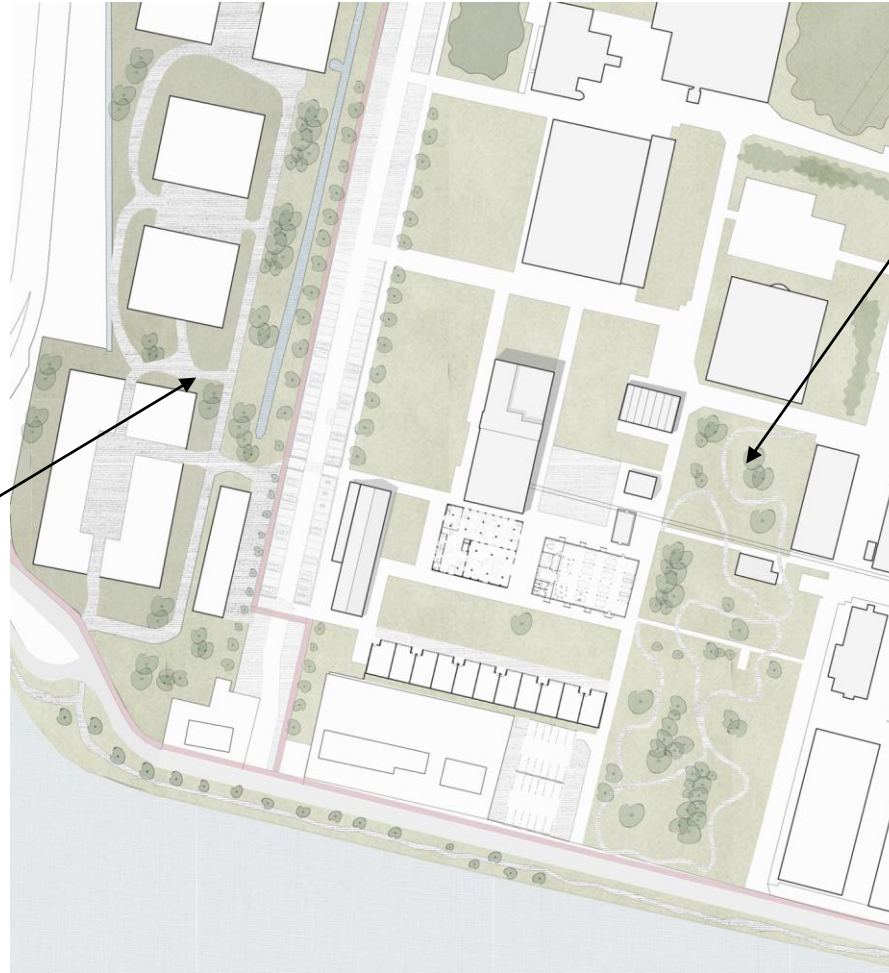


1939

Masterplan ensemble + surrounding



Reference | render of arkitema-architects
| Søster Sophies Minde



Reference | British Land |
development town centre London



Reference | KNSM eiland | Spacious
layout | sightlines

Programma

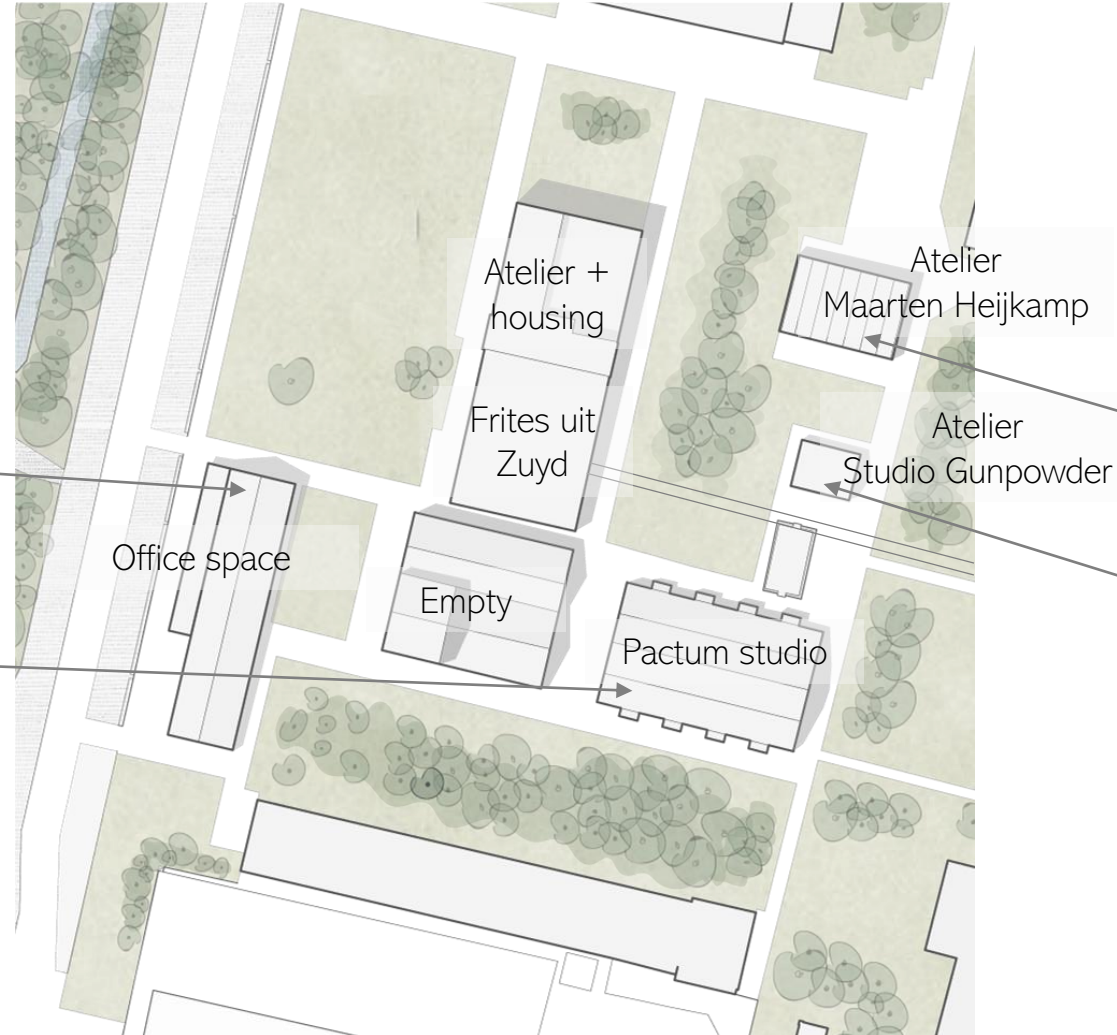
Current program | environment attracts creative industry



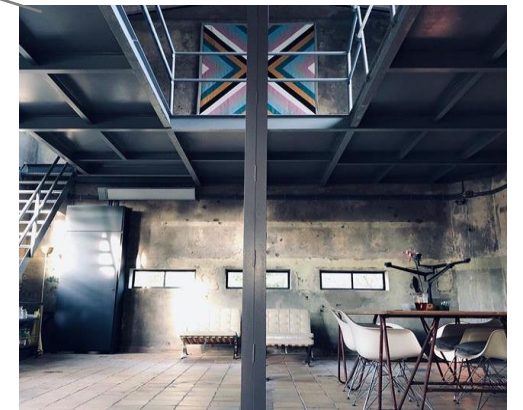
Expeditie gebouw | Project bureau Hembrug | office business operations and area development



Waslokaal | Pactum studio | photo + movie location



Lorrie garage | studio Maarten Heijkamp | atelier



Carbidgebouw | Gunpowder studio | atelier | photo location

08.

Programma

Added program



Starting points of the transformation

Campus South as creative hub for:

creating

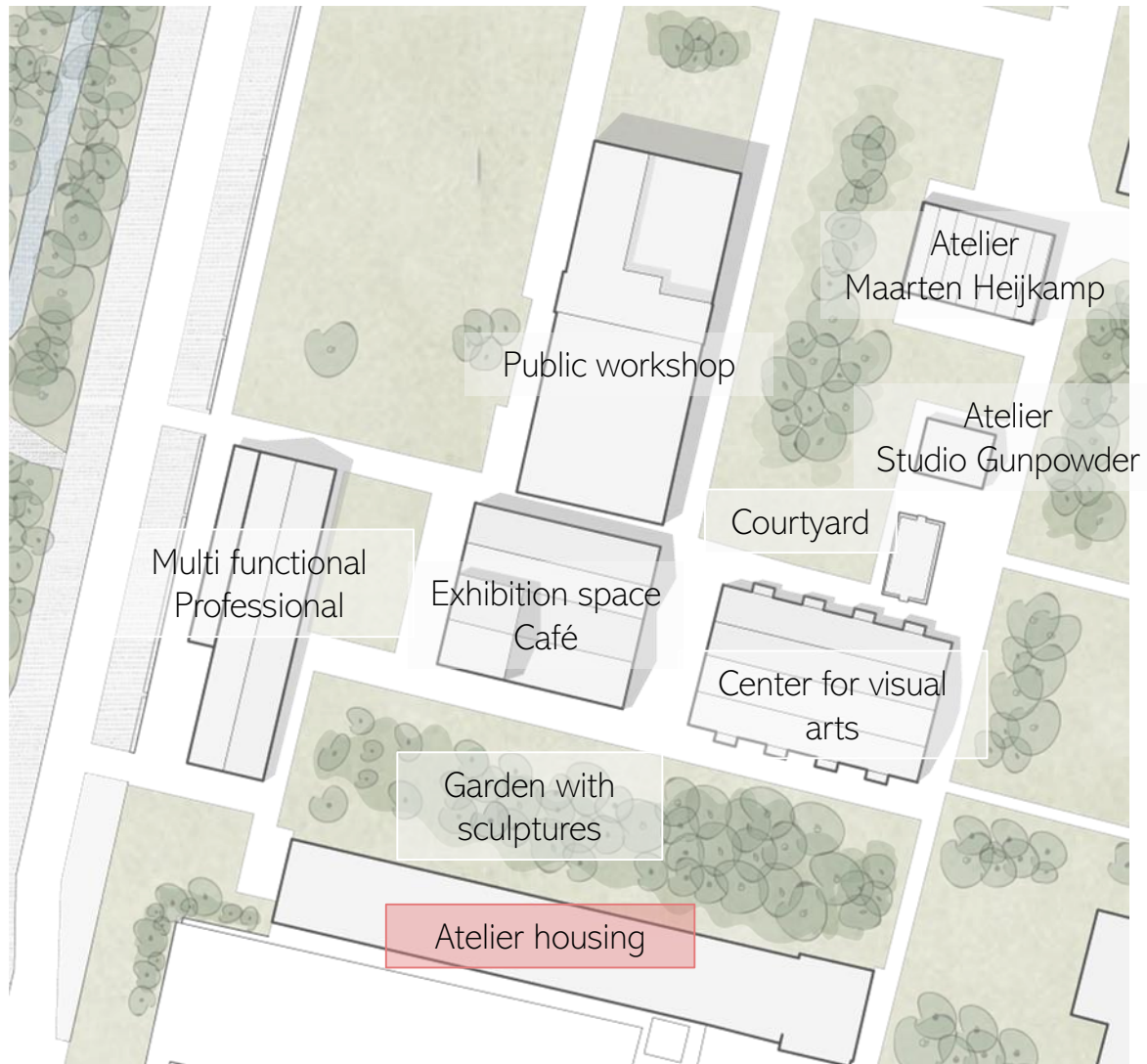
exposing

amusement

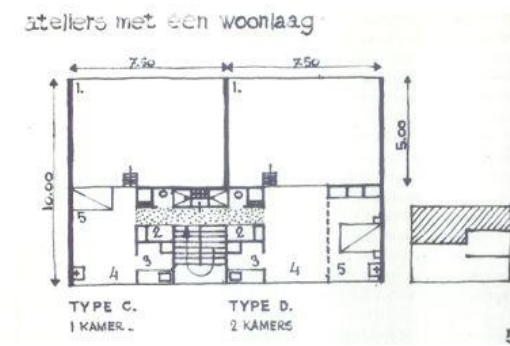
08.

Programma

Added program



Atelier housing

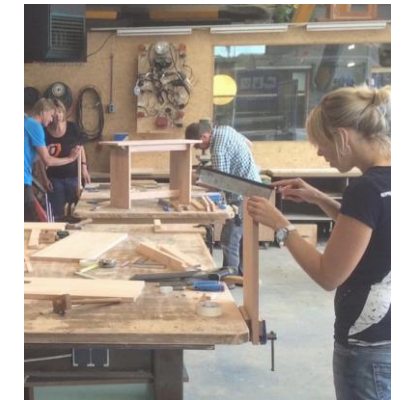


Reference:
atelierwoning
zomerdijkstraat

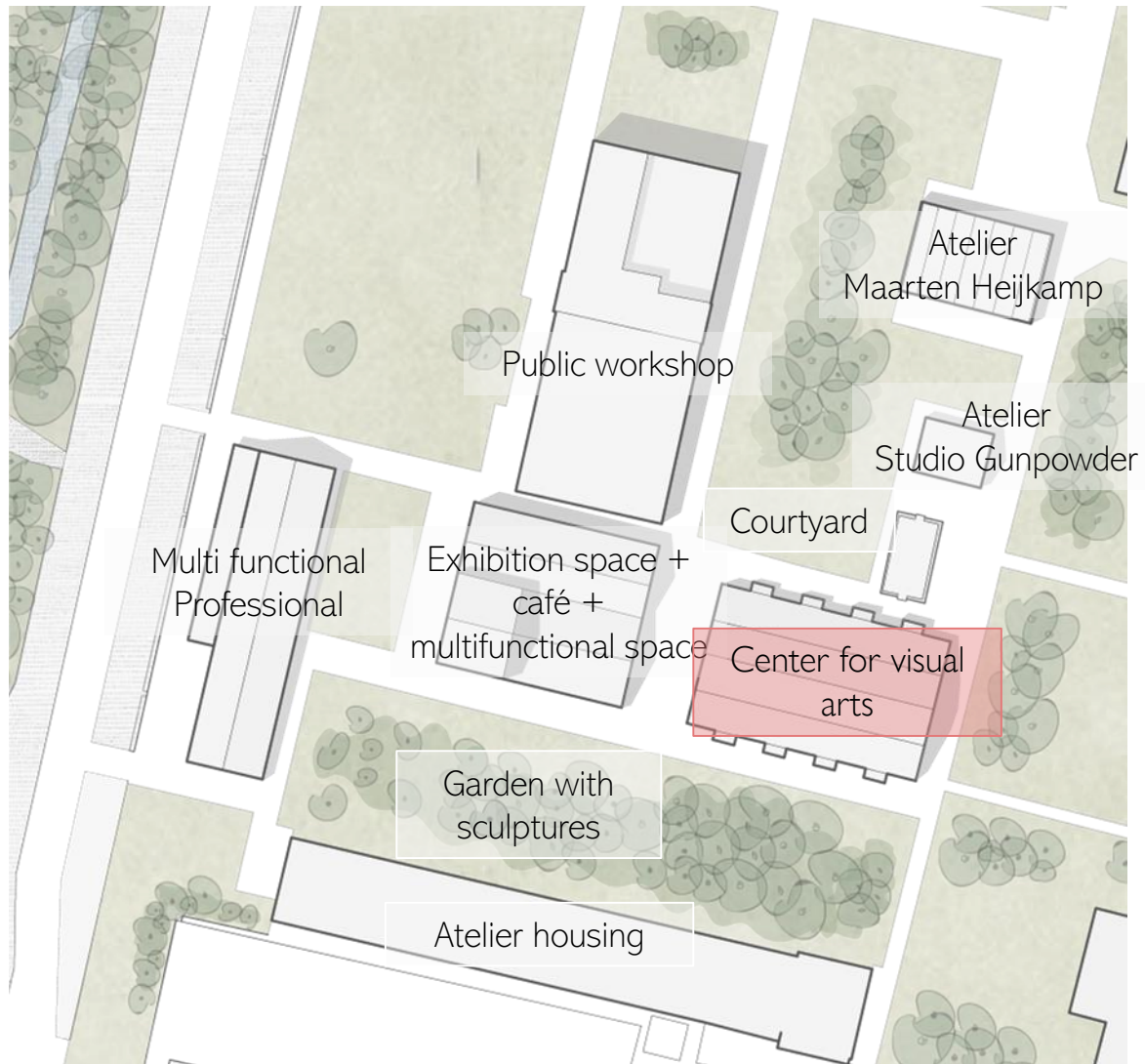


Campus South | program | ketelcentrale

Public workshop



08.
Programma



Nieuwe situatie tek eronder

Campus South | program | waslokaal

Center for visual arts



Fashion design



Ceramics

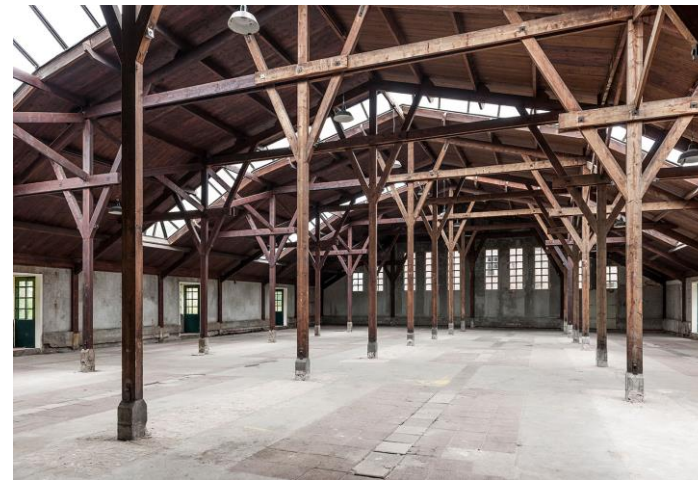
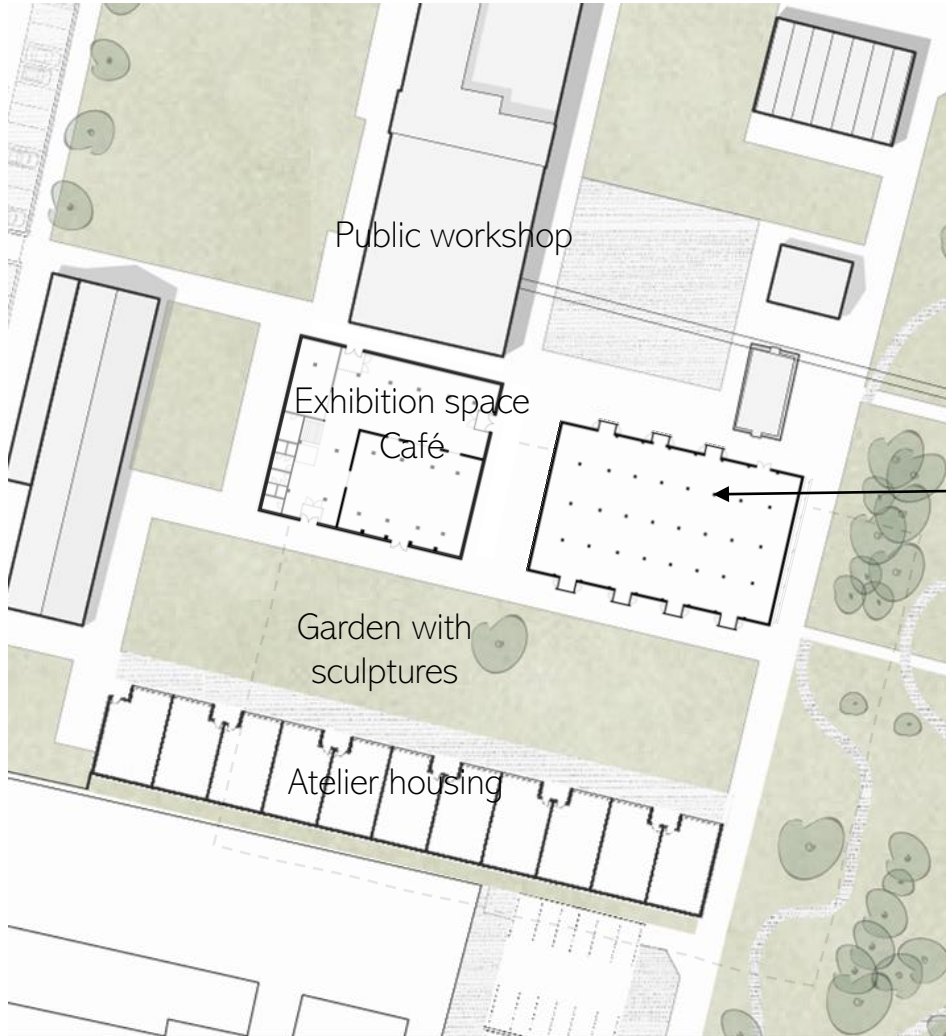


Sculpting



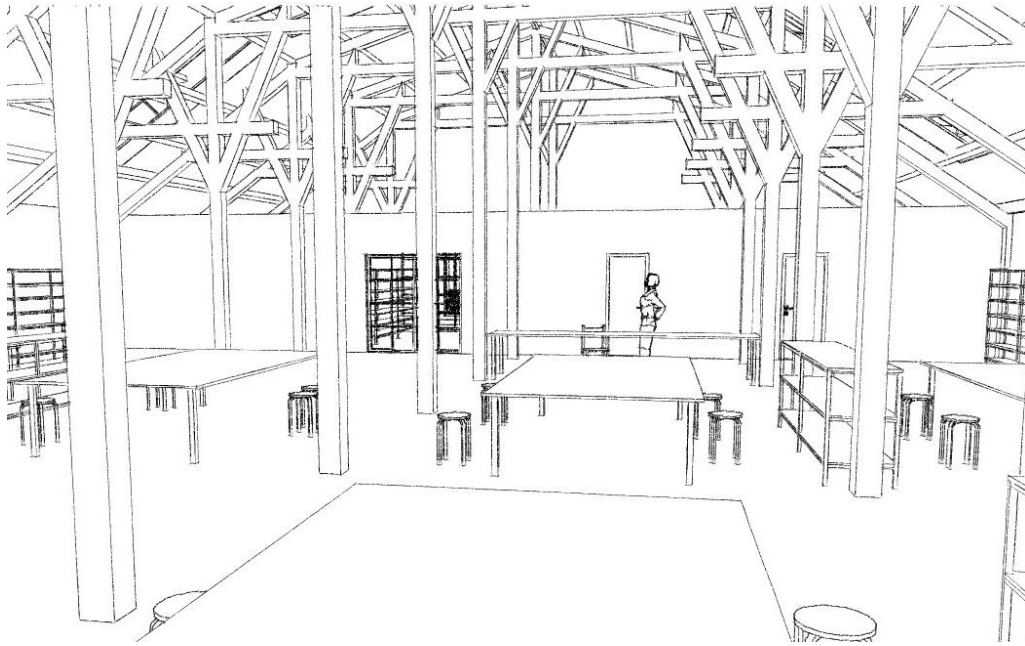
Drawing

Center for visual arts

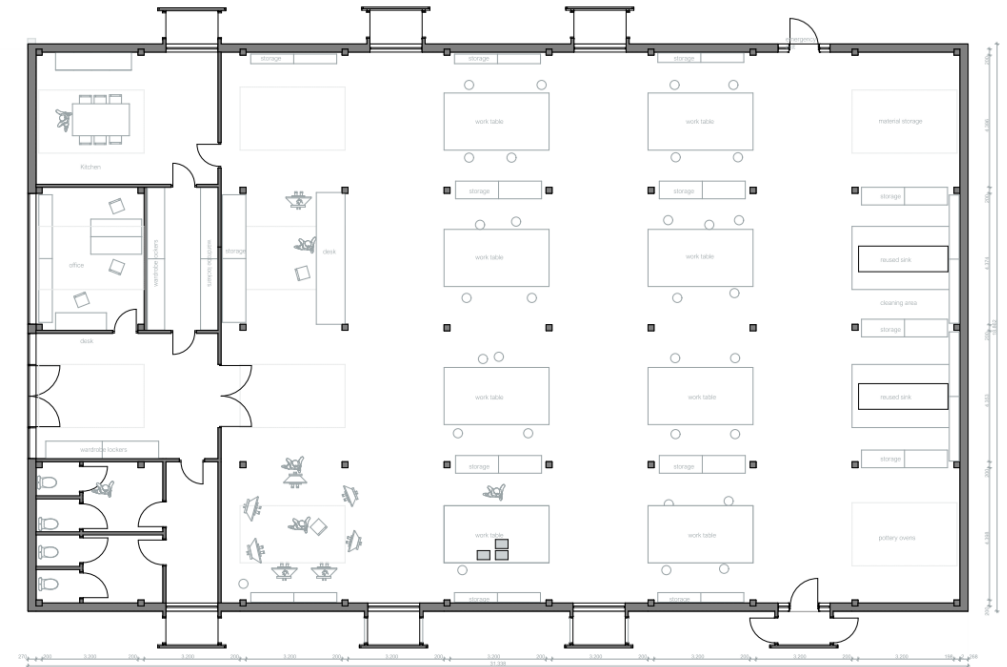


Campus South | waslokaal | typology | wooden structure | use

Preserve wooden roof structure



Floorplan refers to former use





Program of the Harderij

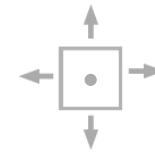
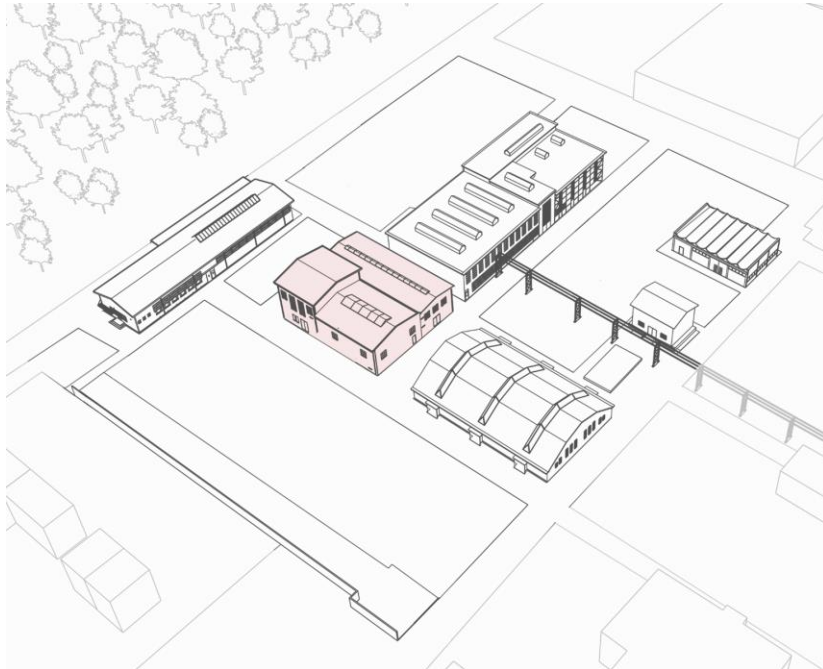
Exhibition space

Café

Multifunctional space for performances,
lectures, cinema, workshops etc.

09.
Design

Harderij | characteristics



center point of the ensemble
and accessible from all sides



composition is evidence of expansion



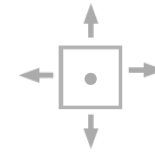
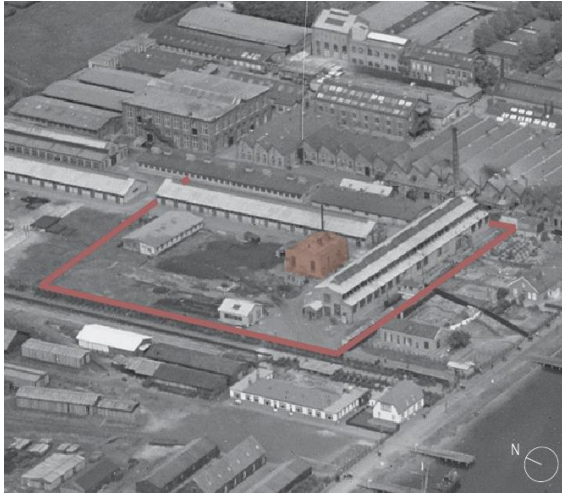
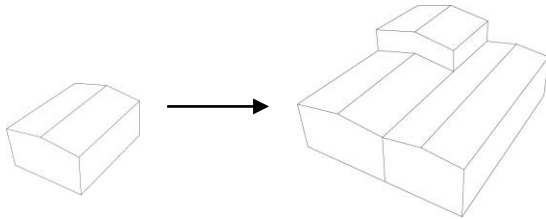
waiting for new purpose



creating historical consciousness

09.
Design

Harderij | characteristics



center point of the ensemble
and accessible from all sides



composition is evidence of expansion



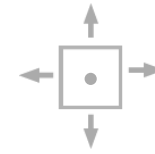
waiting for new purpose



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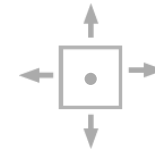
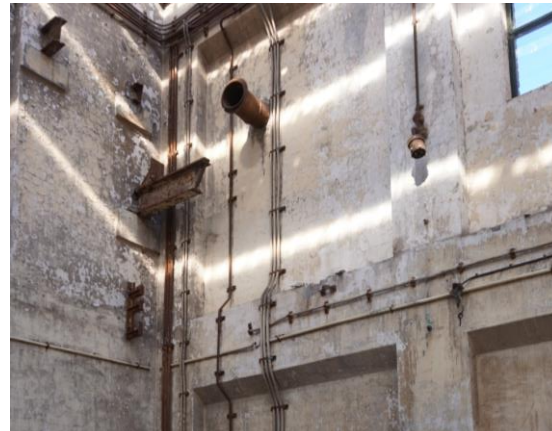
waiting for new purpose



creating historical consciousness

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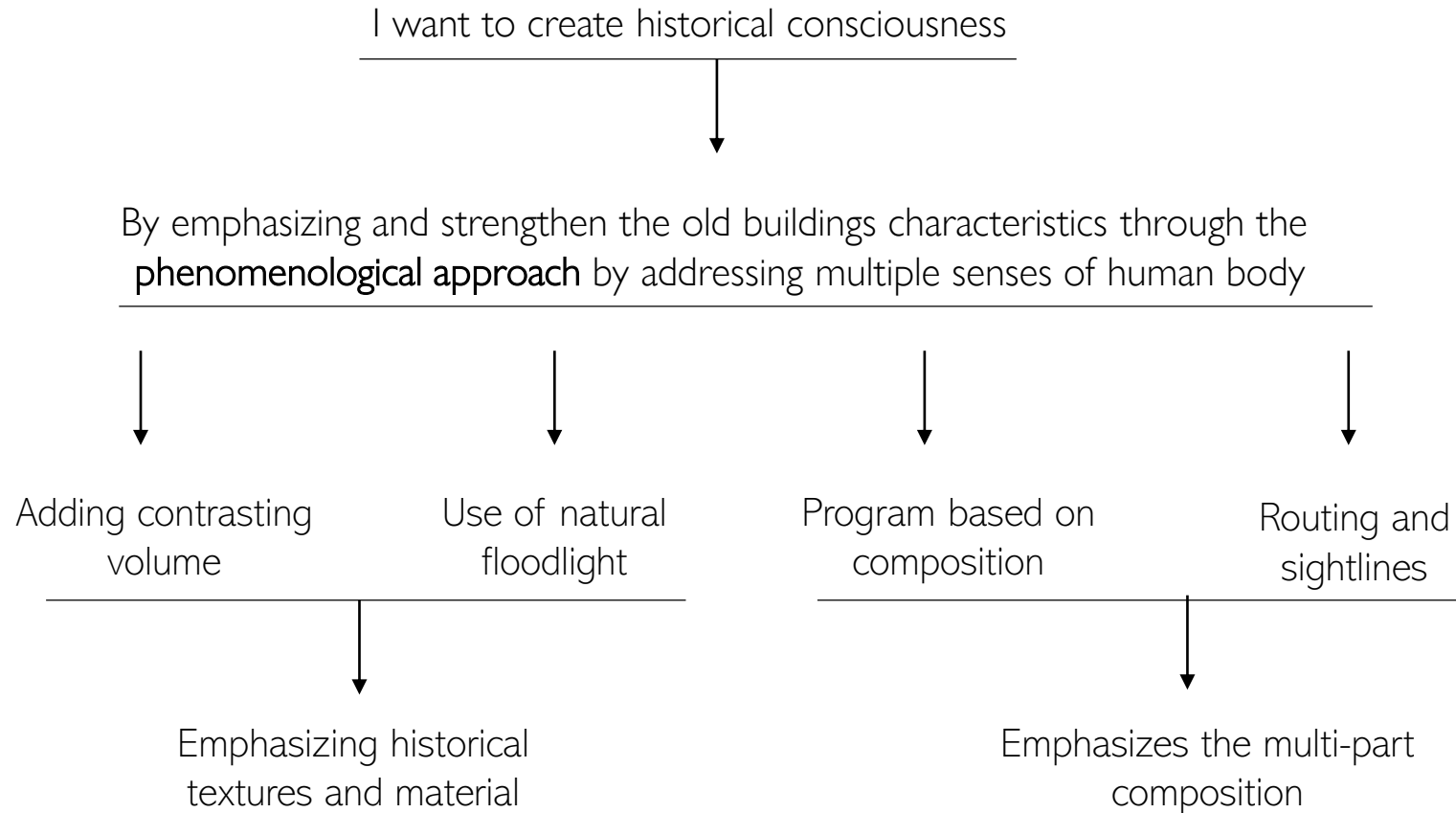


waiting for new purpose



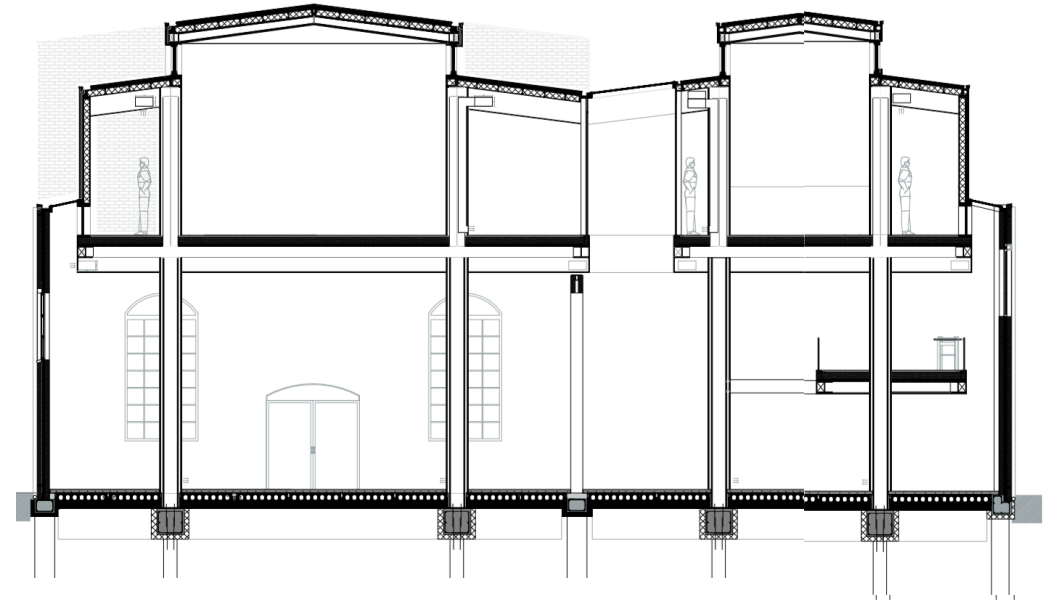
creating historical consciousness

09.
Design



09.
Design

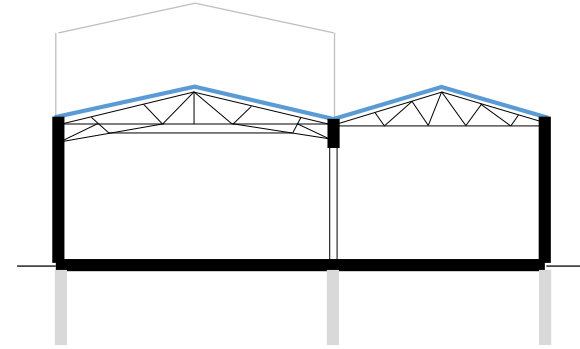
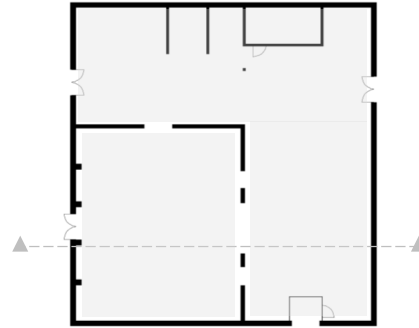
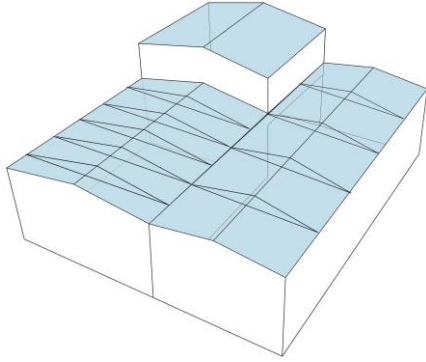
Results



10.

Transformation

Current → preserve

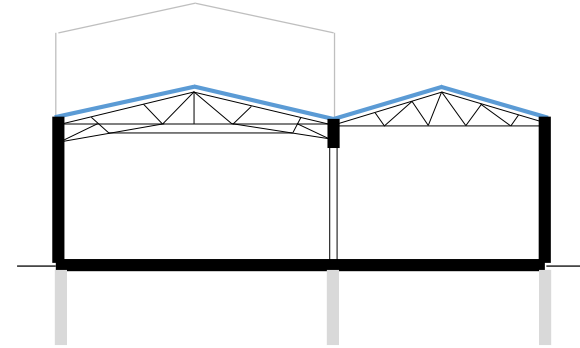
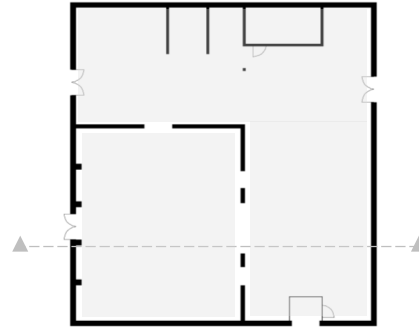
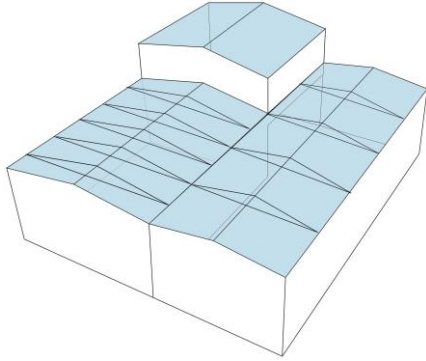


1. Transparent pvc roof panels + steel roof structure

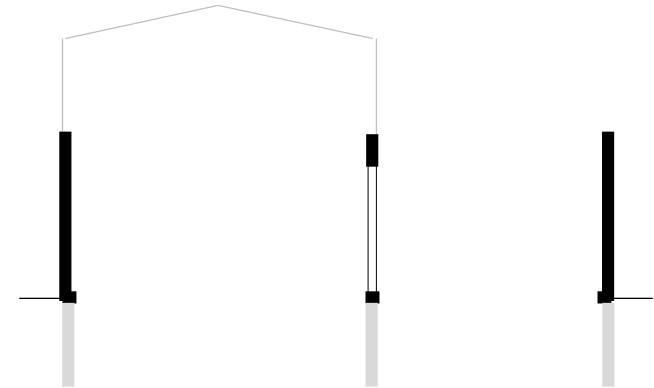
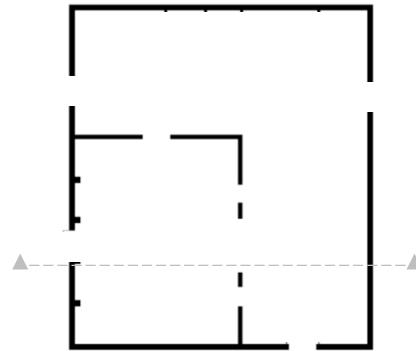
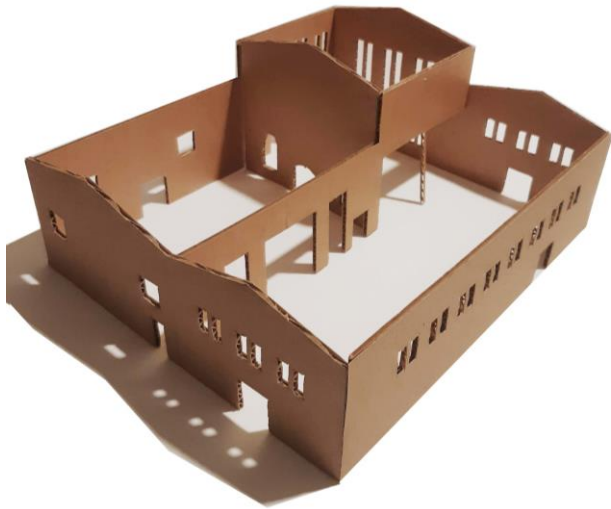
10.

Transformation

Existing building → preserve



Remove: transparent pvc roof panels + steel roof structure + concrete floor

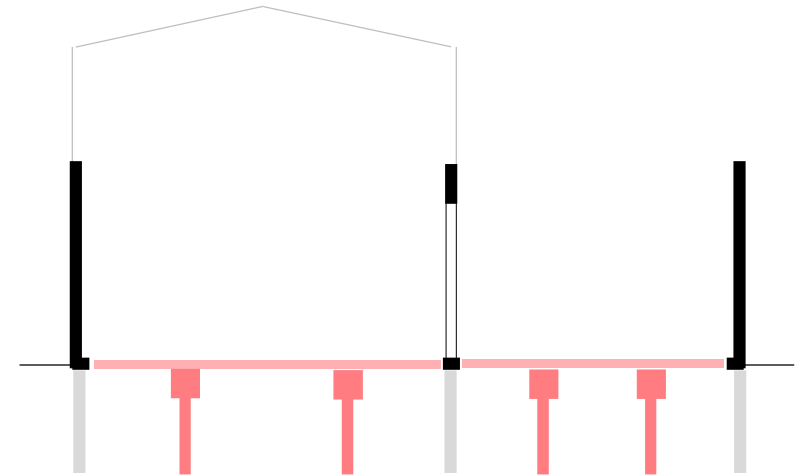
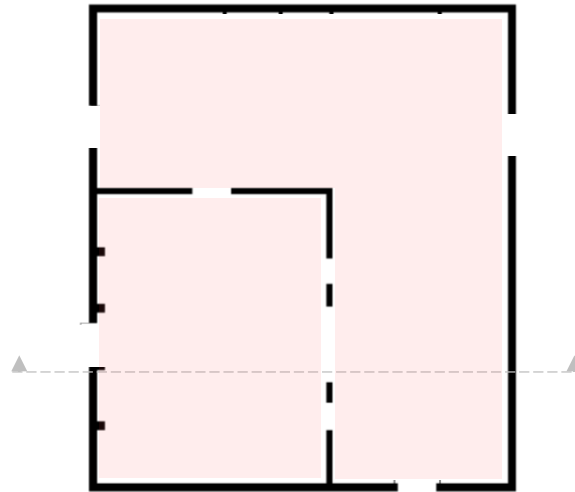
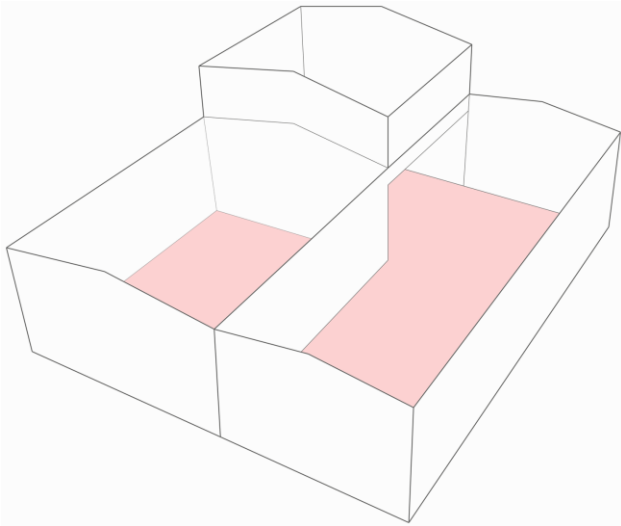


Preserve: facades and interior walls

10.

Transformation

Preserved → added

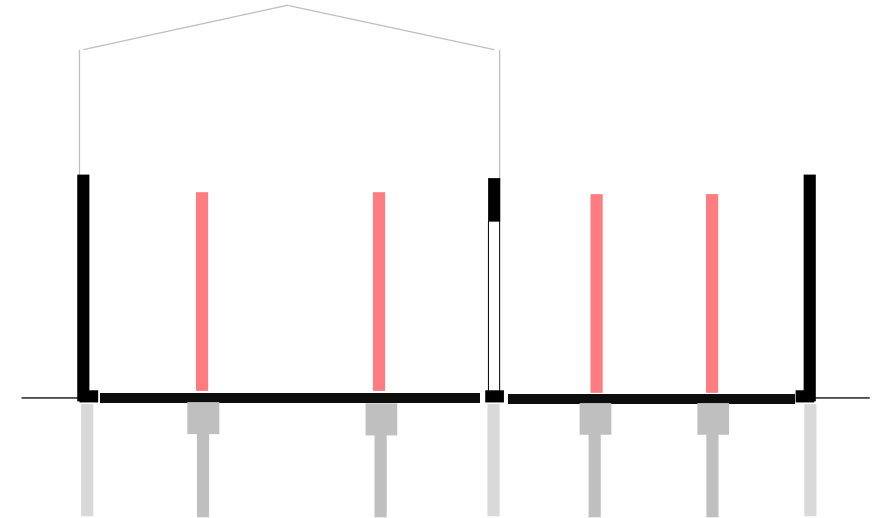
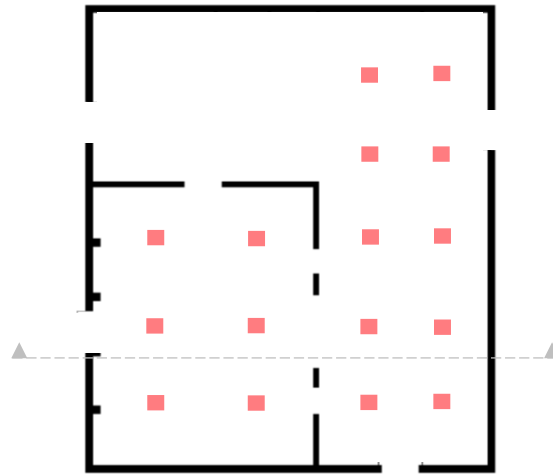
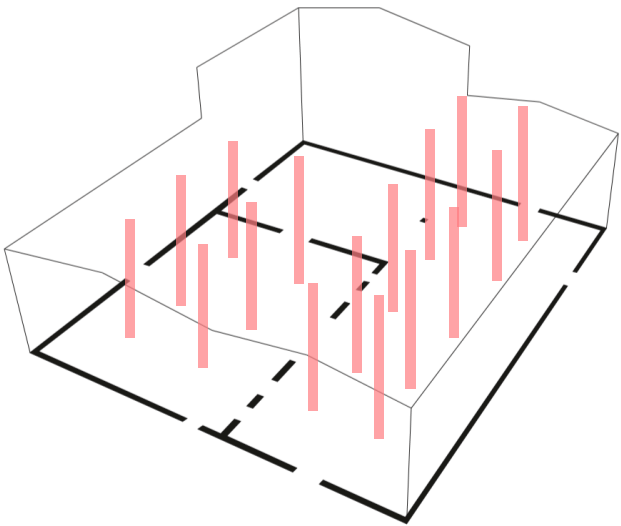


New: ground floor + foundation

10.

Transformation

Current → preserve

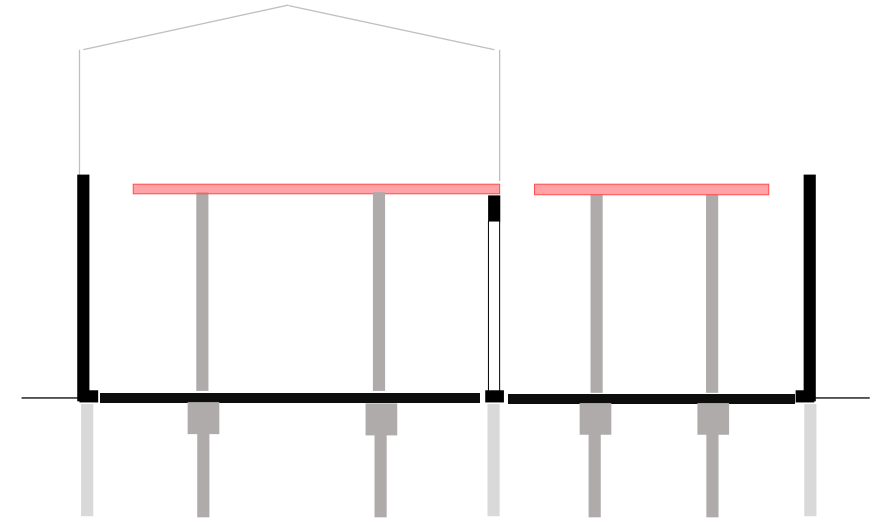
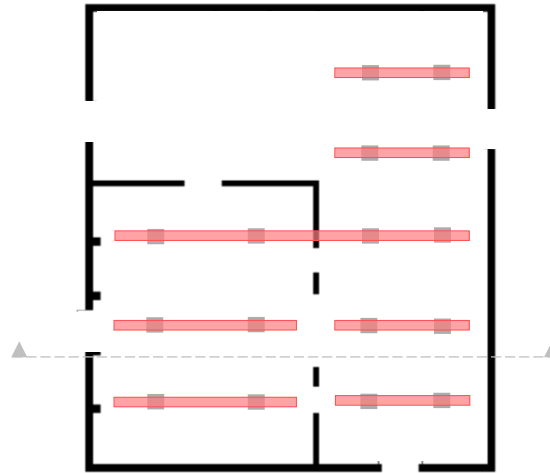
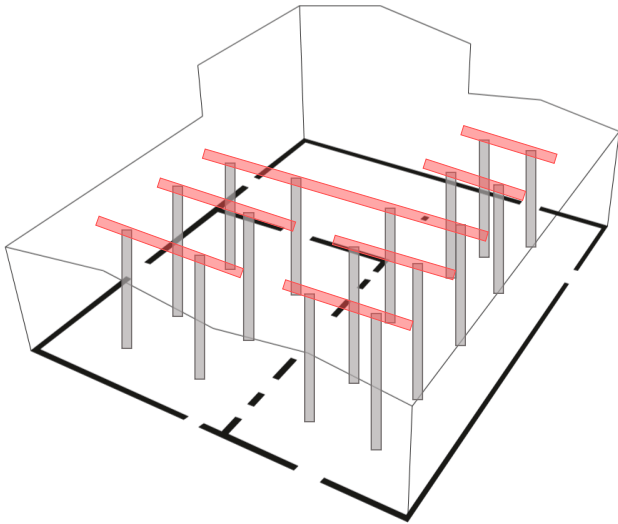


New: columns

10.

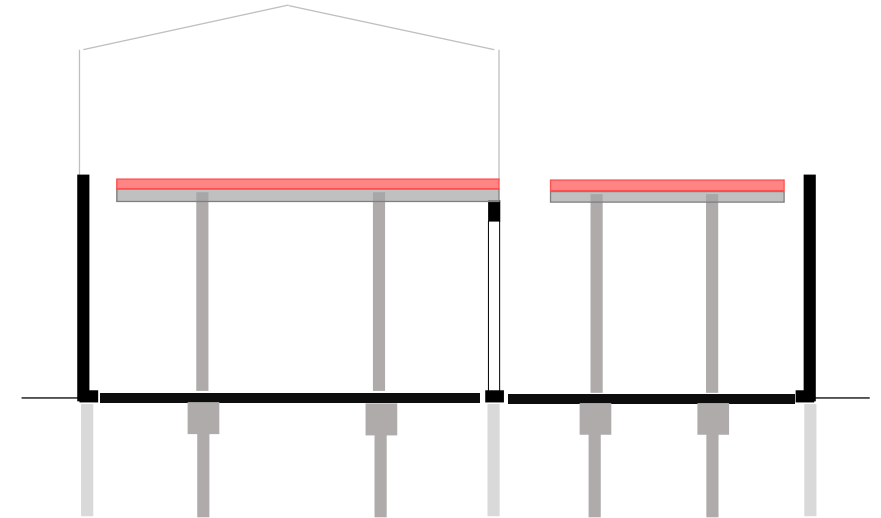
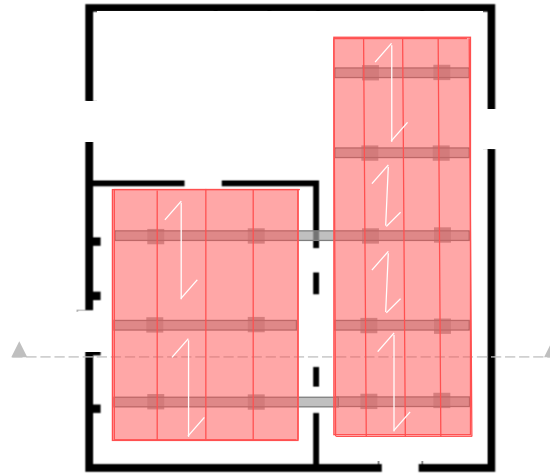
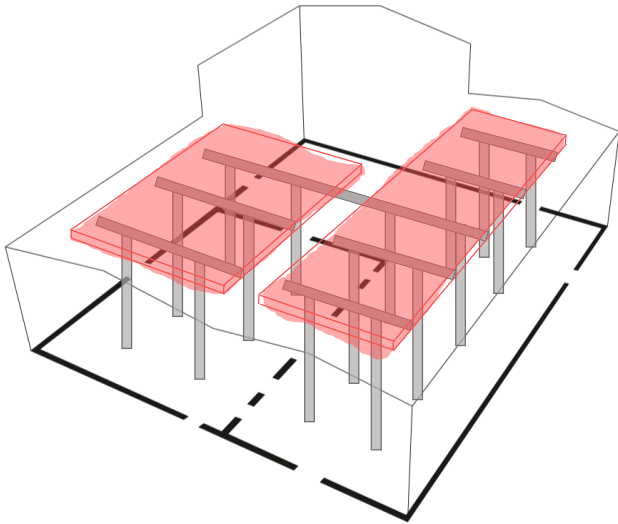
Transformation

Current → preserve



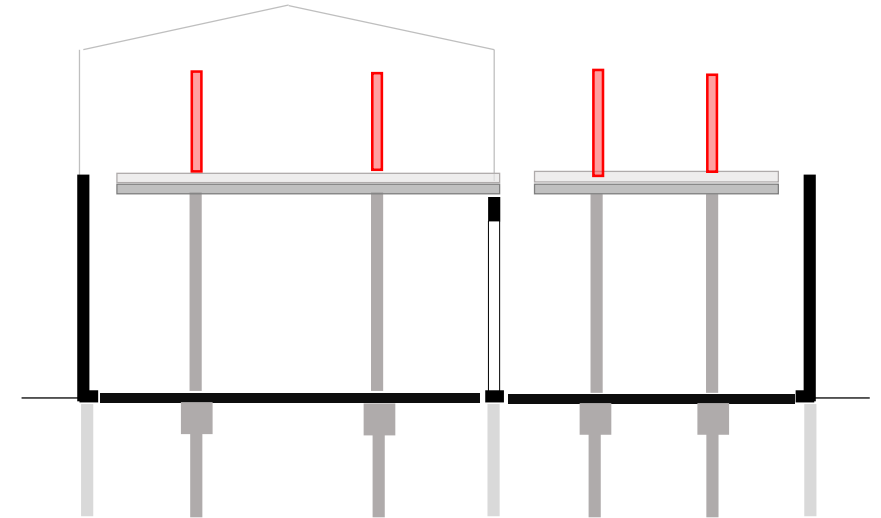
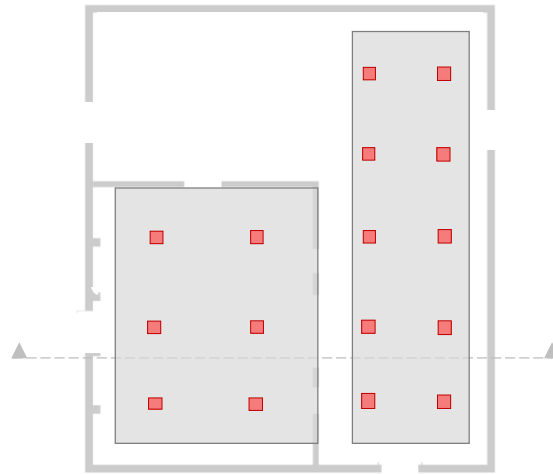
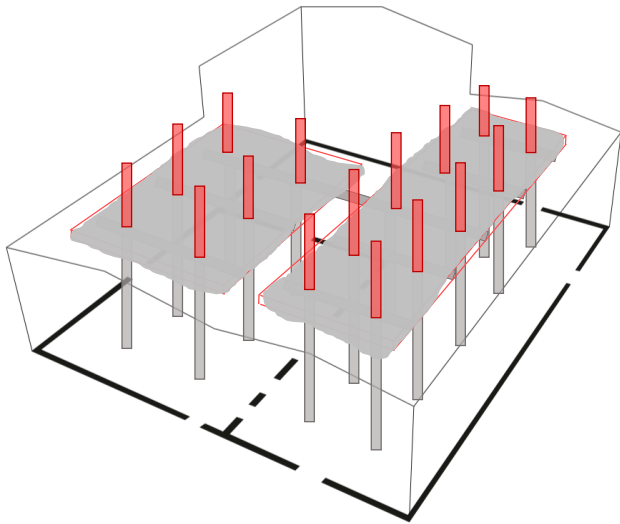
New: beams

10.
Transformation



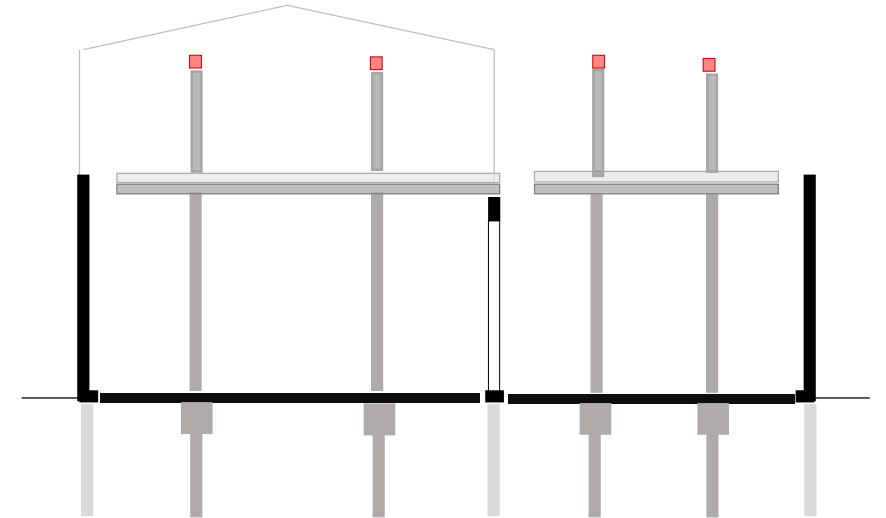
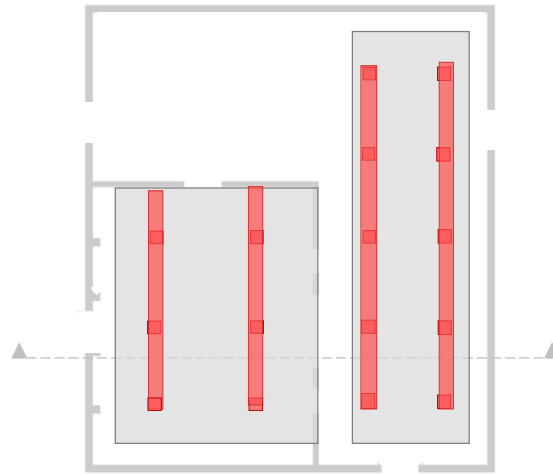
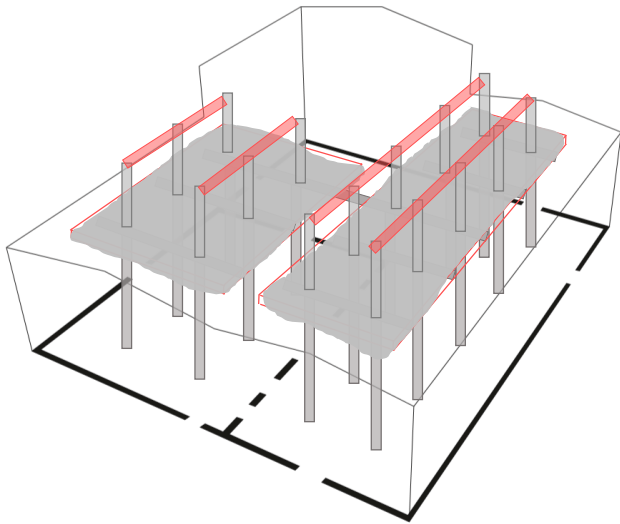
New: first floor (breedplaatvloer)

Transformation of the Harderij



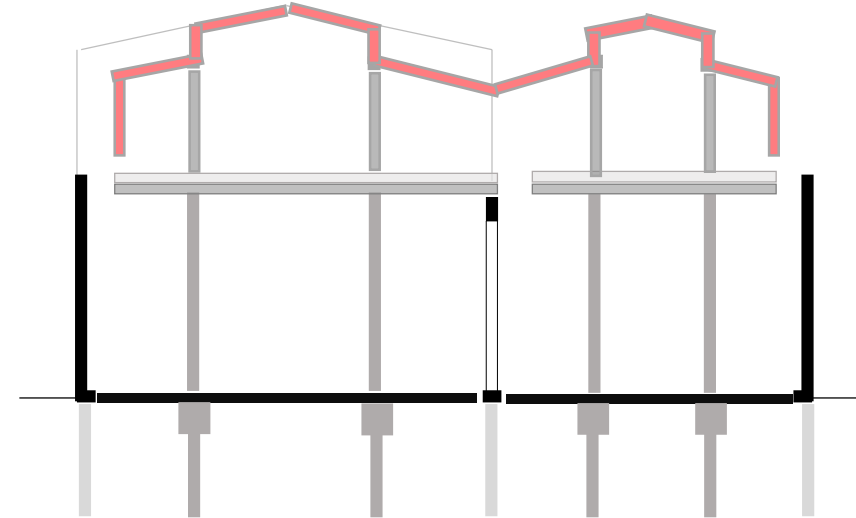
New: columns

Transformation of the Harderij

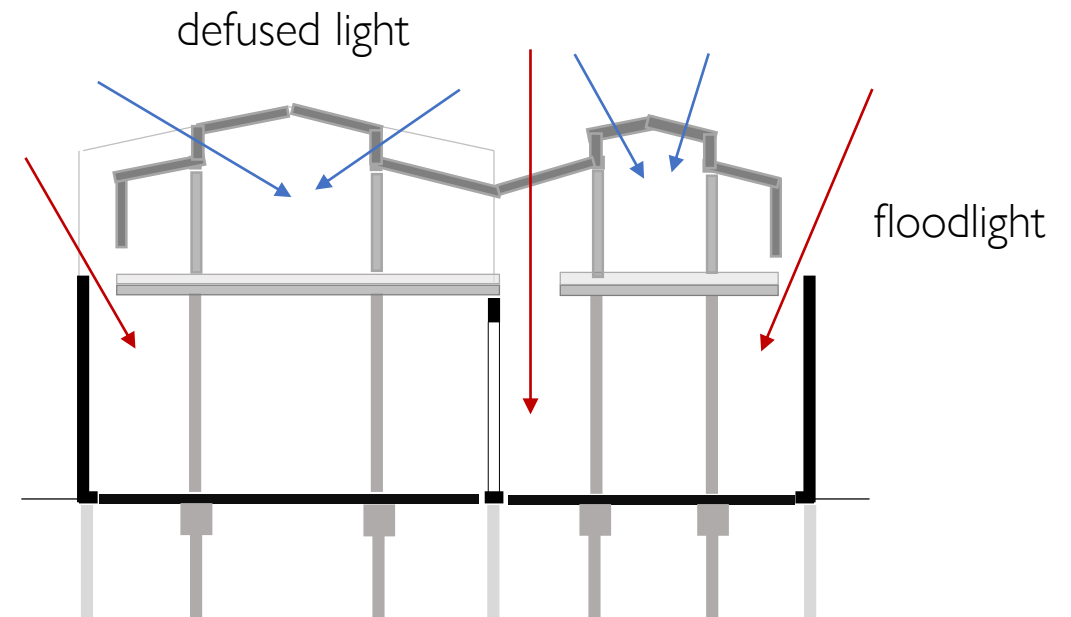


New: Beams

09.
Design

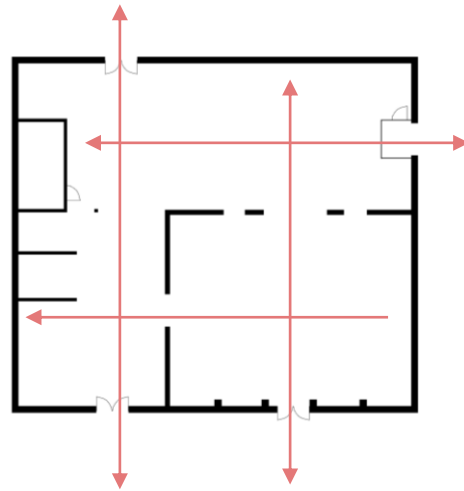
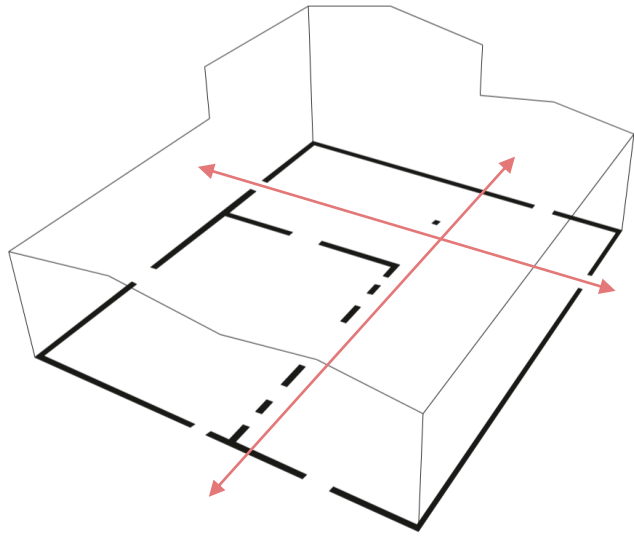


09.
Design



09.
Design



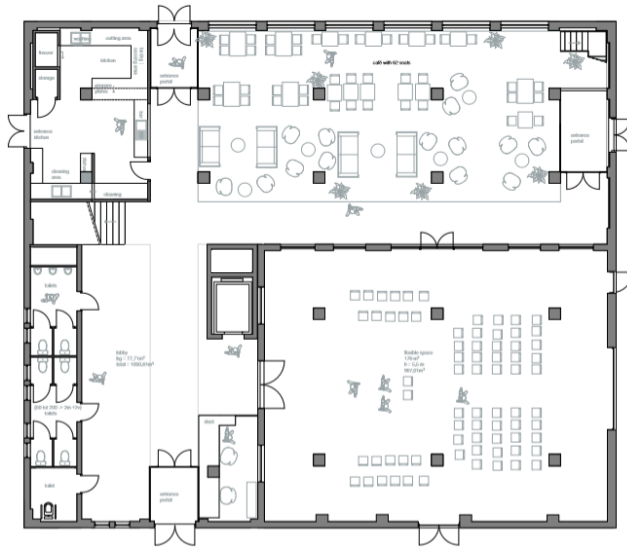


sightlines - spacious

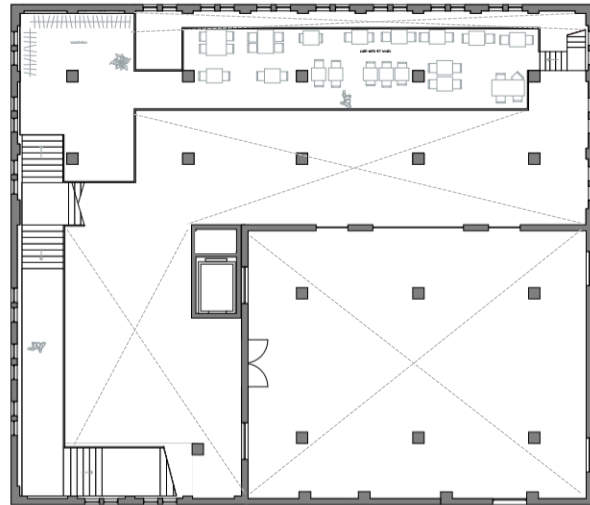


Routing

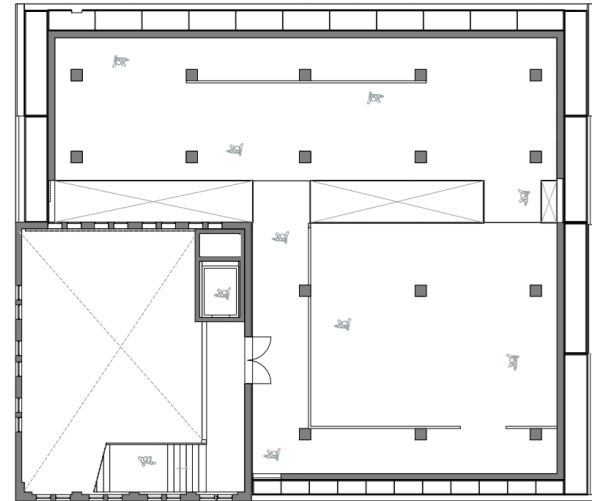
09.
Design



bg

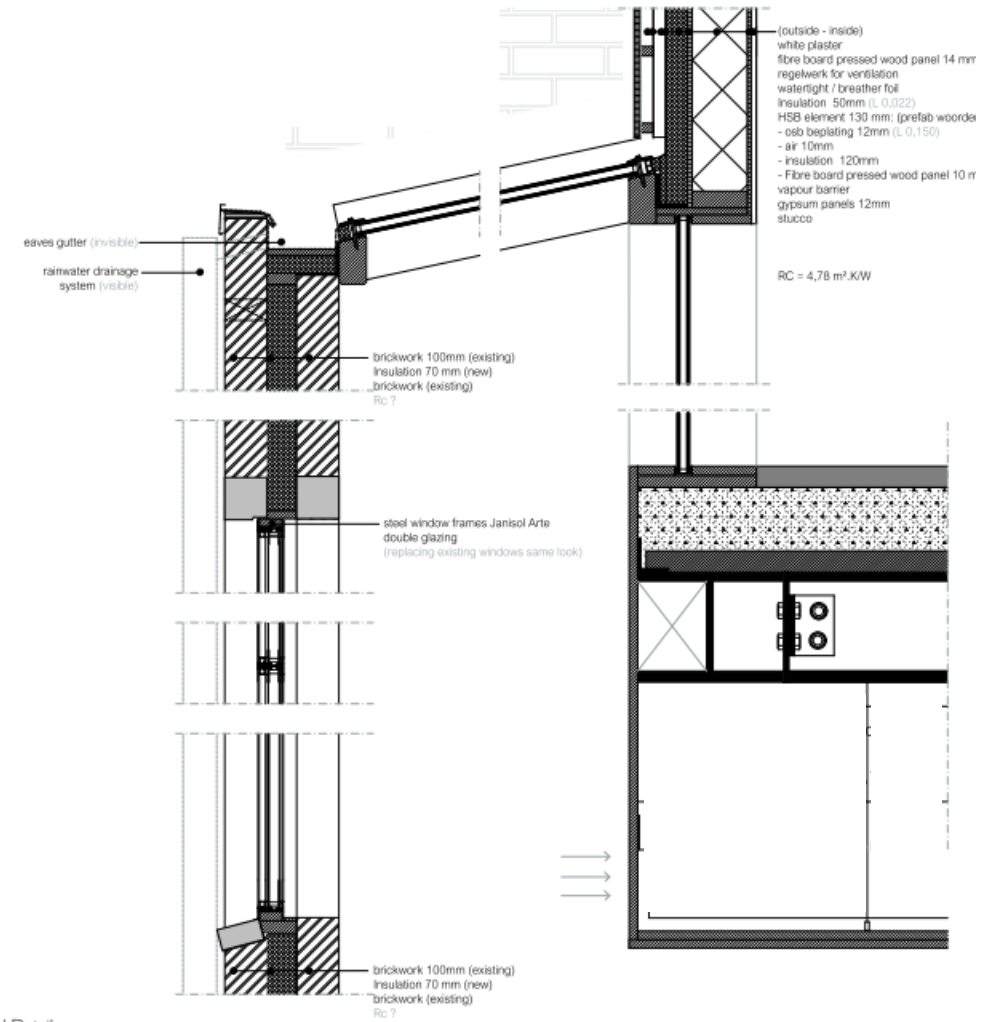
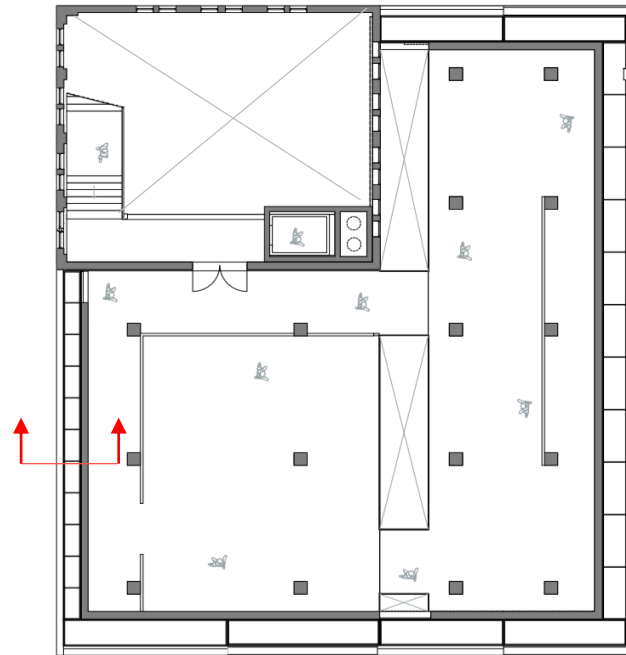
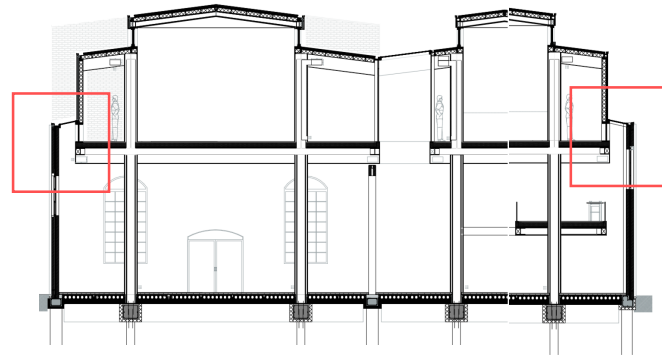


1e v



2e v

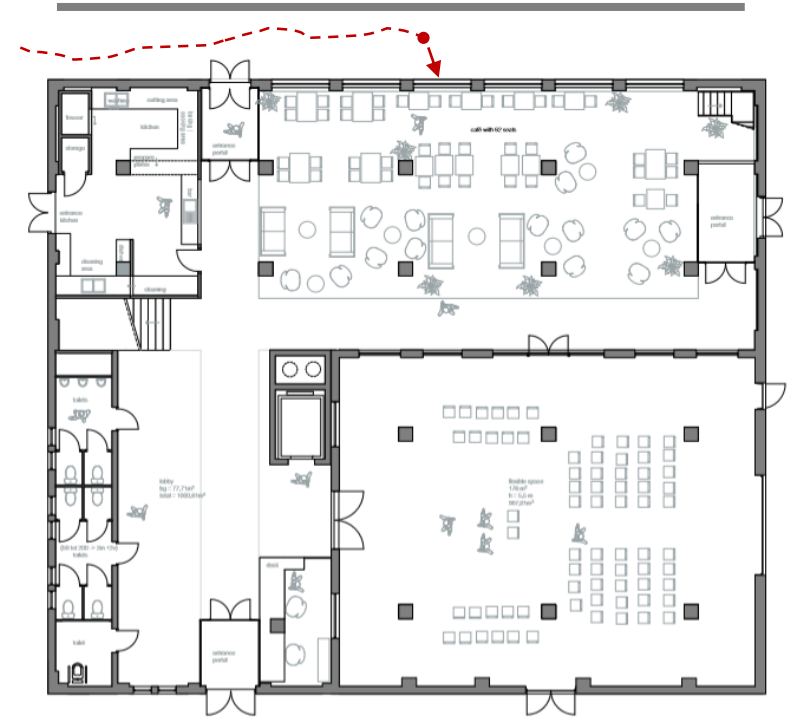
09. Design



HARDERIJ | Details

09.

experience

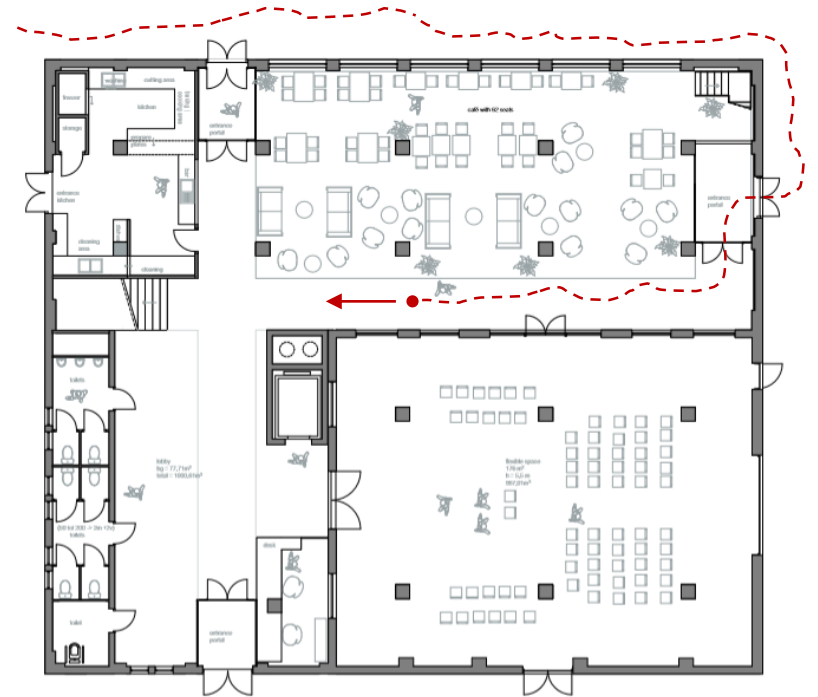


09.
Design
experience



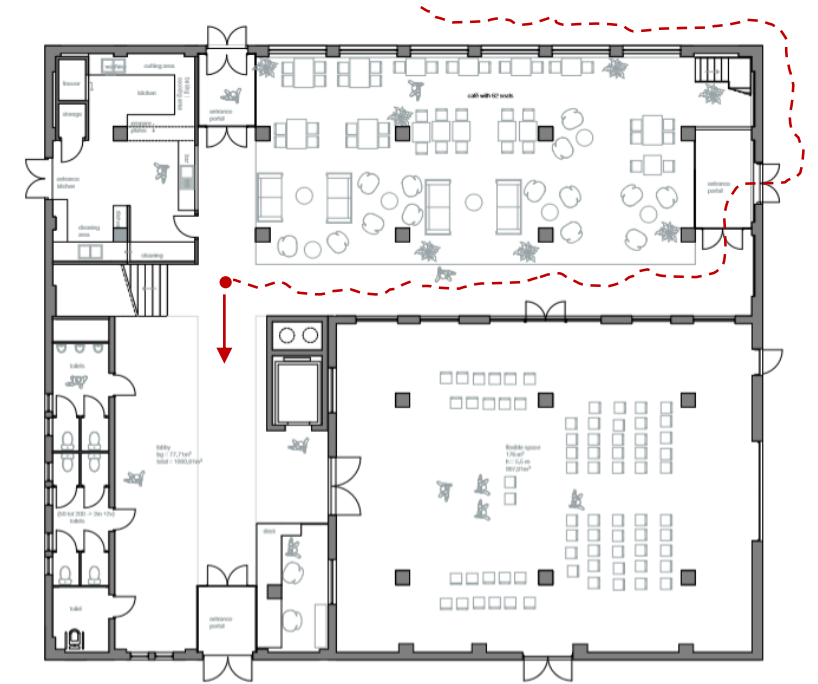
Ground floor

09.
Design
experience



Ground floor

09.
Design
experience

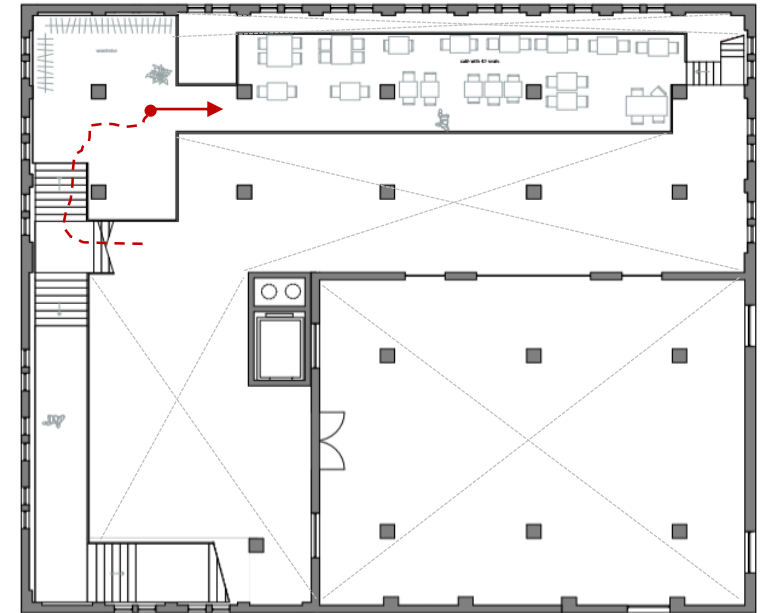


Ground floor

09.

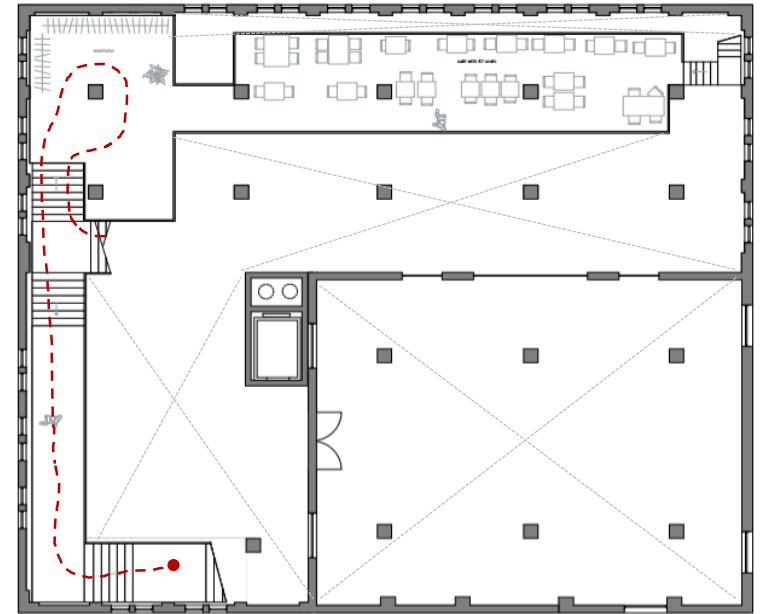
Design

experience
experience



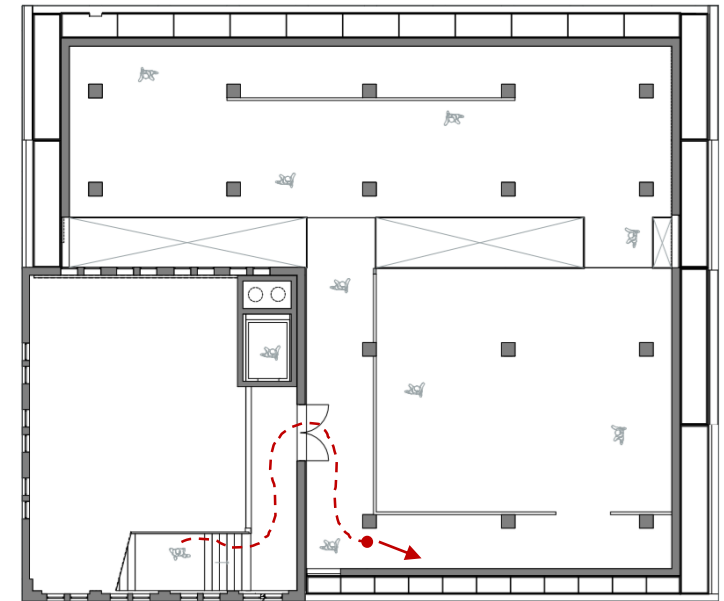
1e v

09.
Design
experience



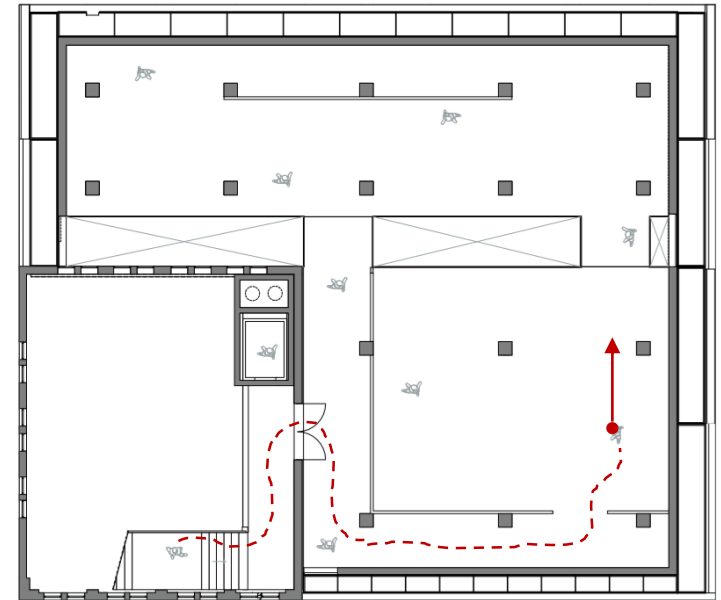
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09.
Design
experience

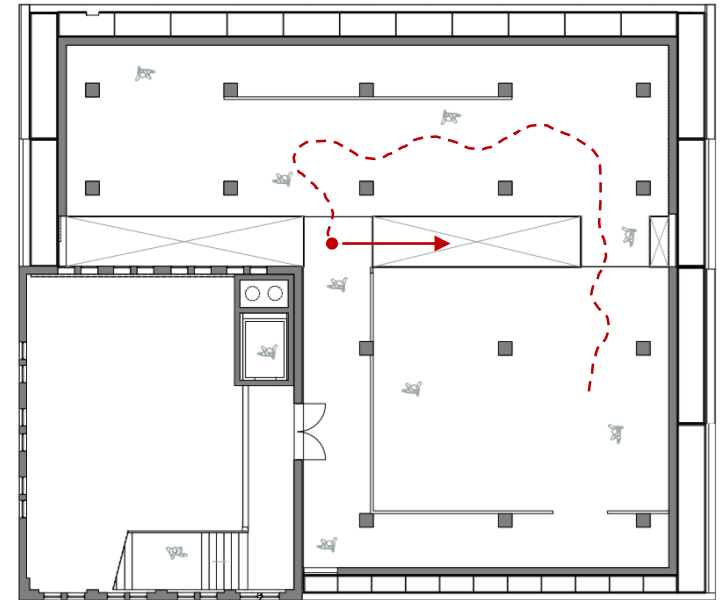


2e v

experience

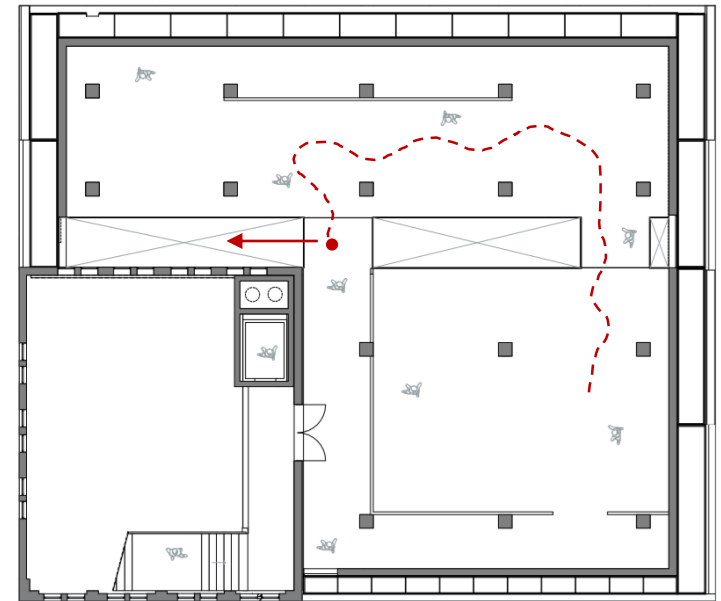


09.
Design
experience



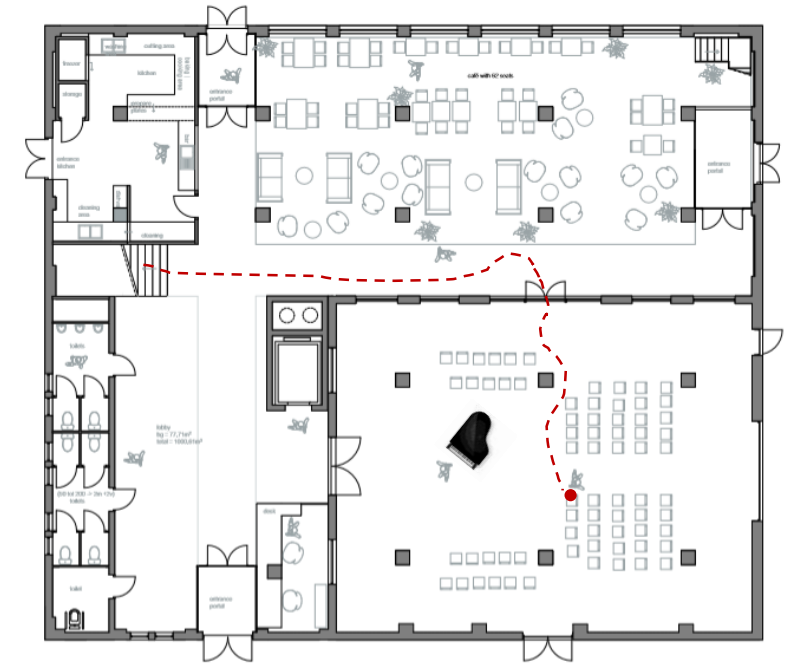
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09.
Design
experience



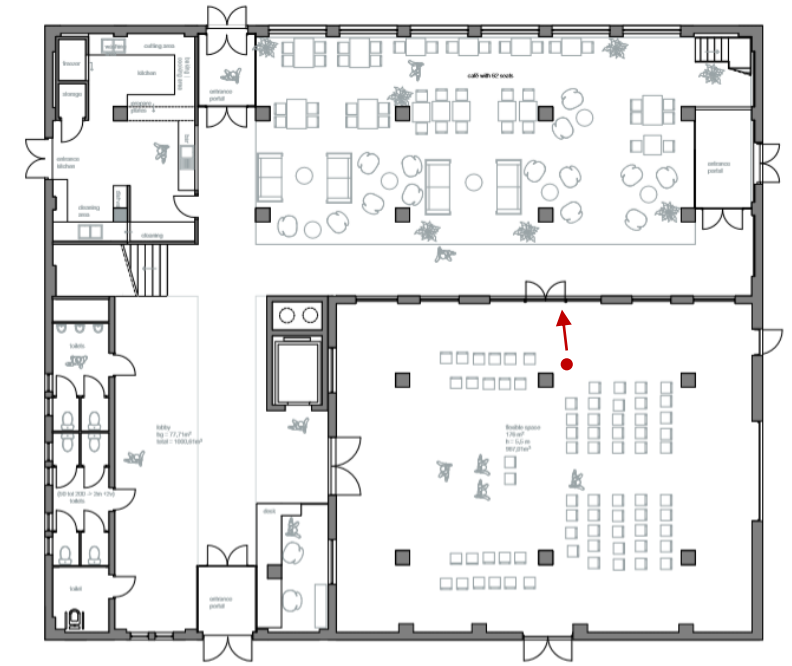
2e v

09.
Design
experience



Ground floor

09.
Design
experience



Ground floor

End