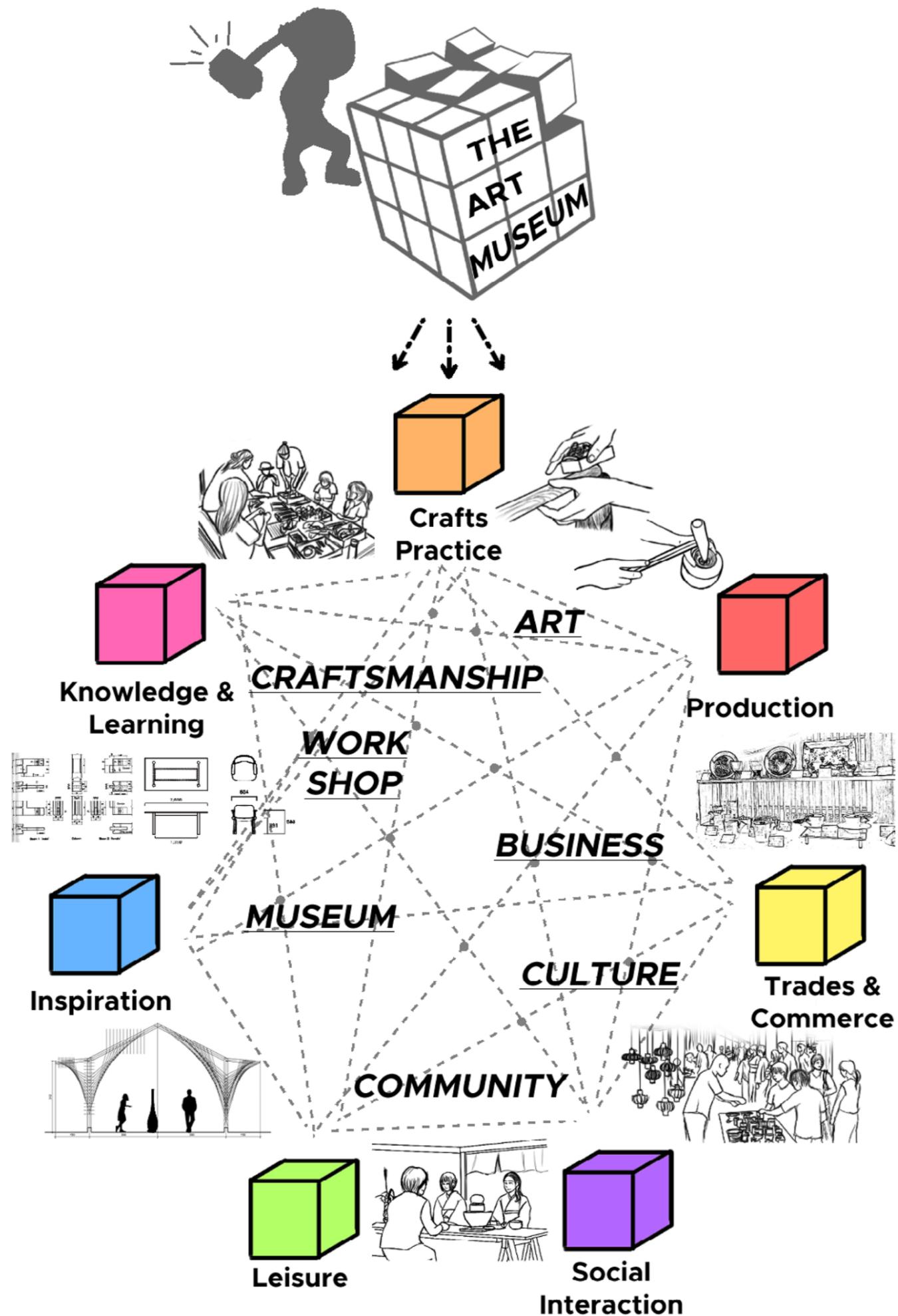


Welcome to The CRAFT Museum Rotterdam-Zuid

Community-based Relational Art Factory Tarwewijk



THE NEW MUSEUM



Art **intentional** **creative**
 "Poetic art is nothing but a willful, active, and productive
 use of our organs."
technical craft

(Agamben, 1994. The Man without Content, p. 47)

Intention/Thought ⇒ Technique + Action ⇒ Art Production

Craftsmanship of Community Centre, Artisanal craft industry, Art exhibition

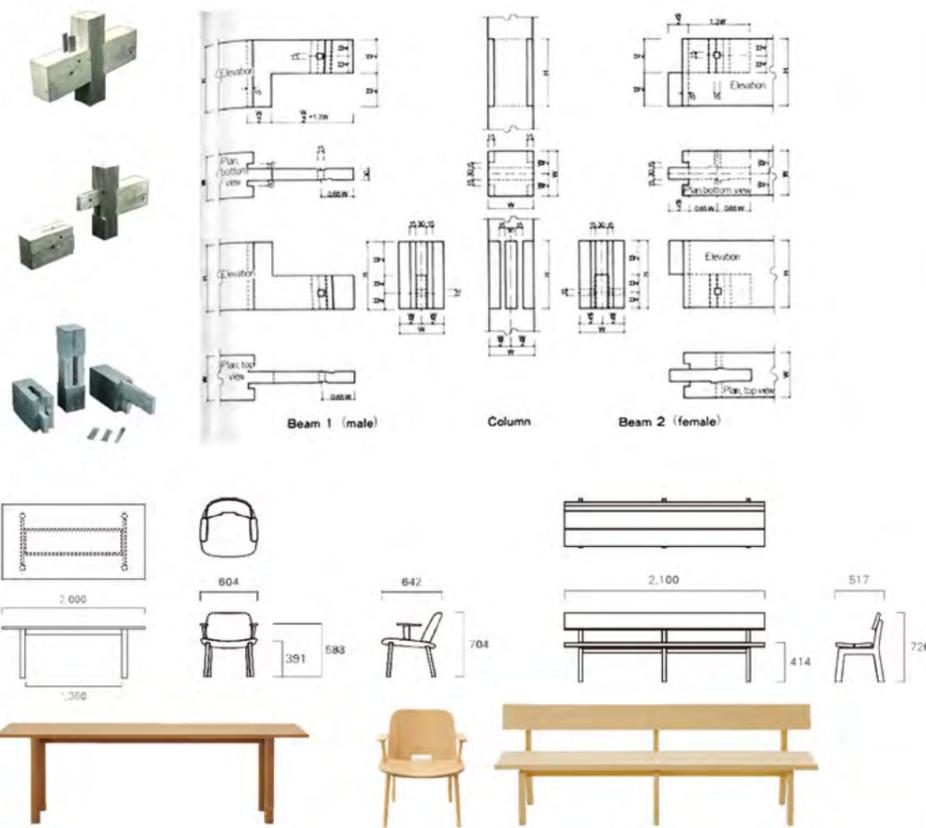


Craftmanship of Multiple scale and expertise

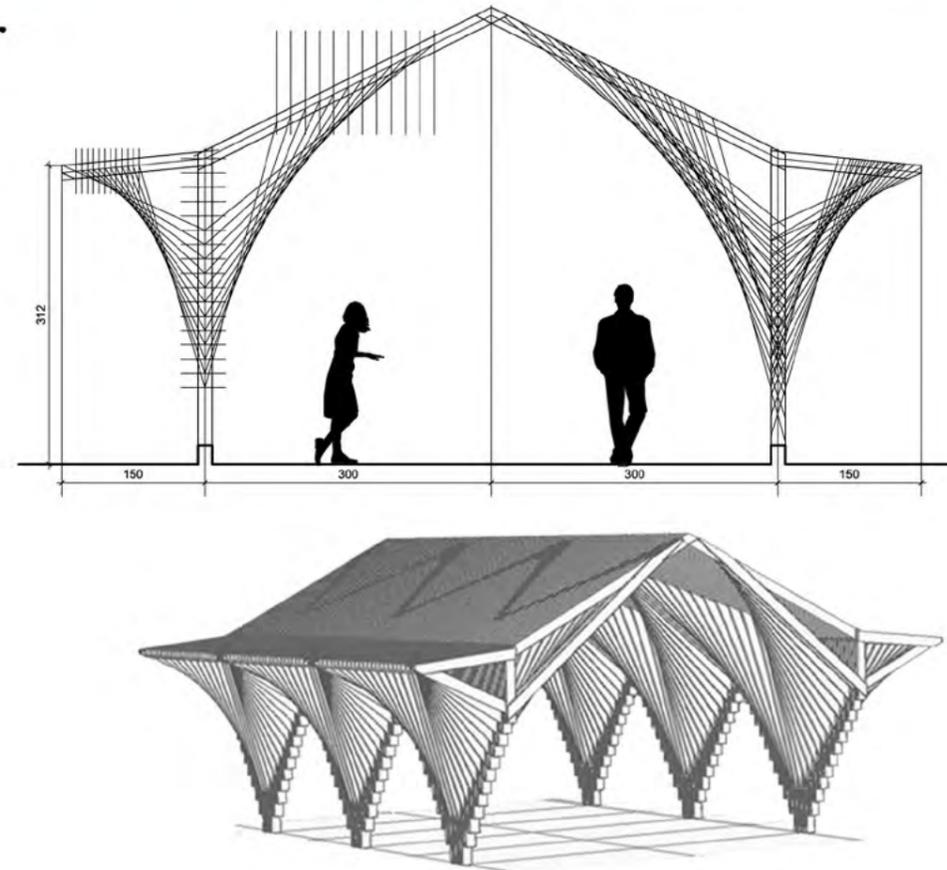
S



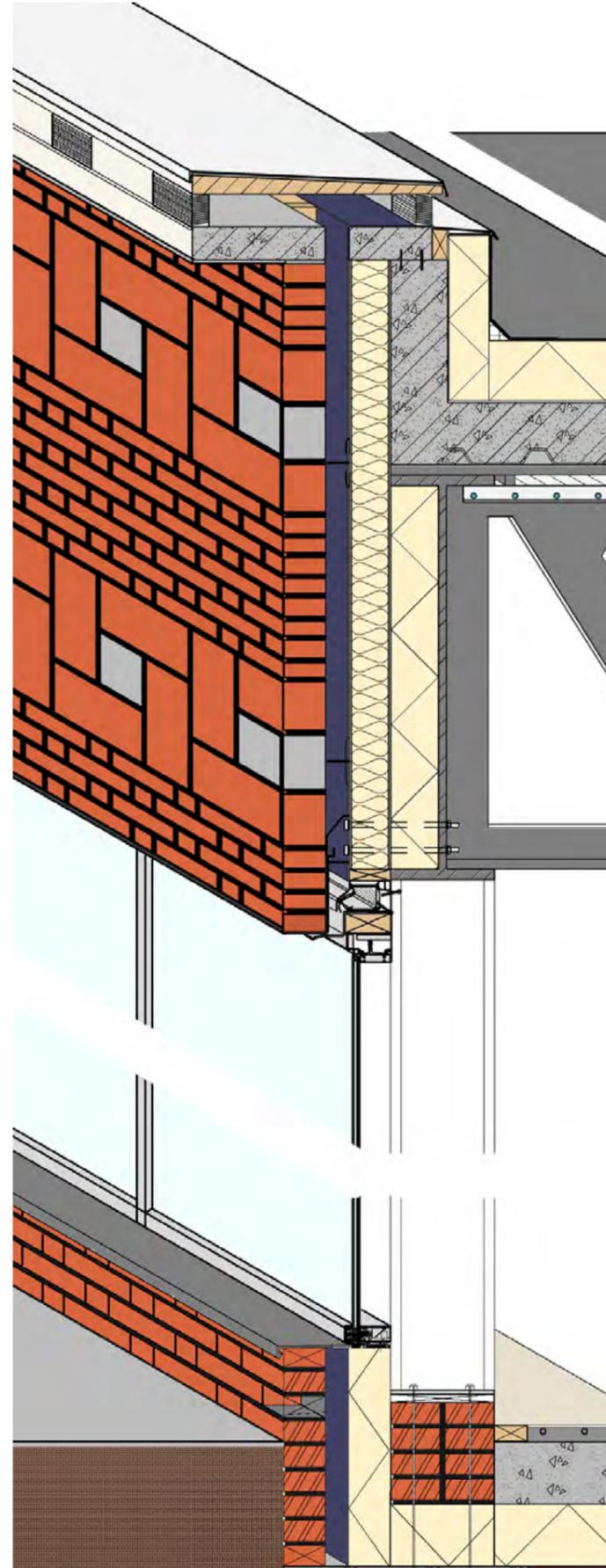
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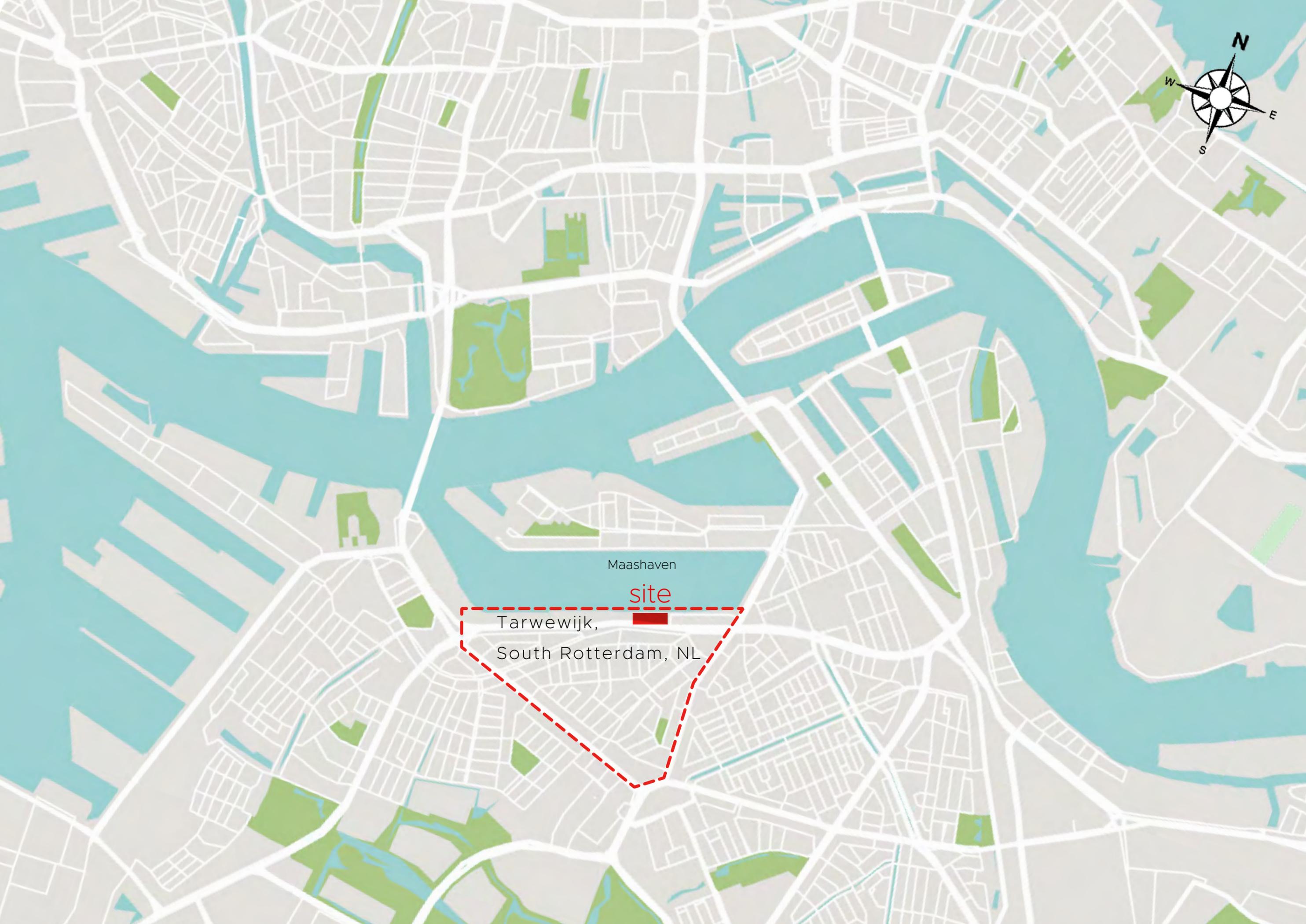
L



Craftmanship of Building Construction



SITE



Maashaven

site

Tarwewijk,
South Rotterdam, NL

Historical Industrial Elements on Site Vicinity



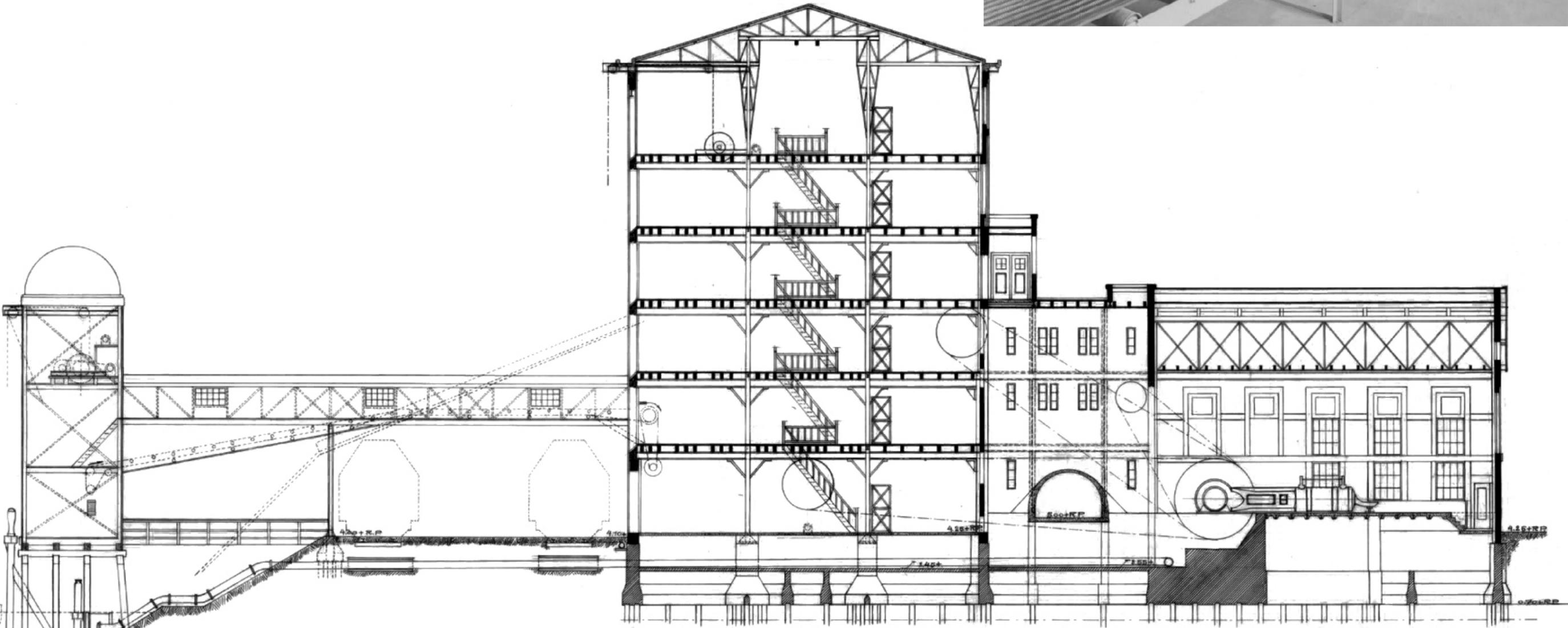
Historical Industrial Elements on Site Vicinity



Quaker Oats Rotterdam Facade



Quaker Oats Rotterdam Structure



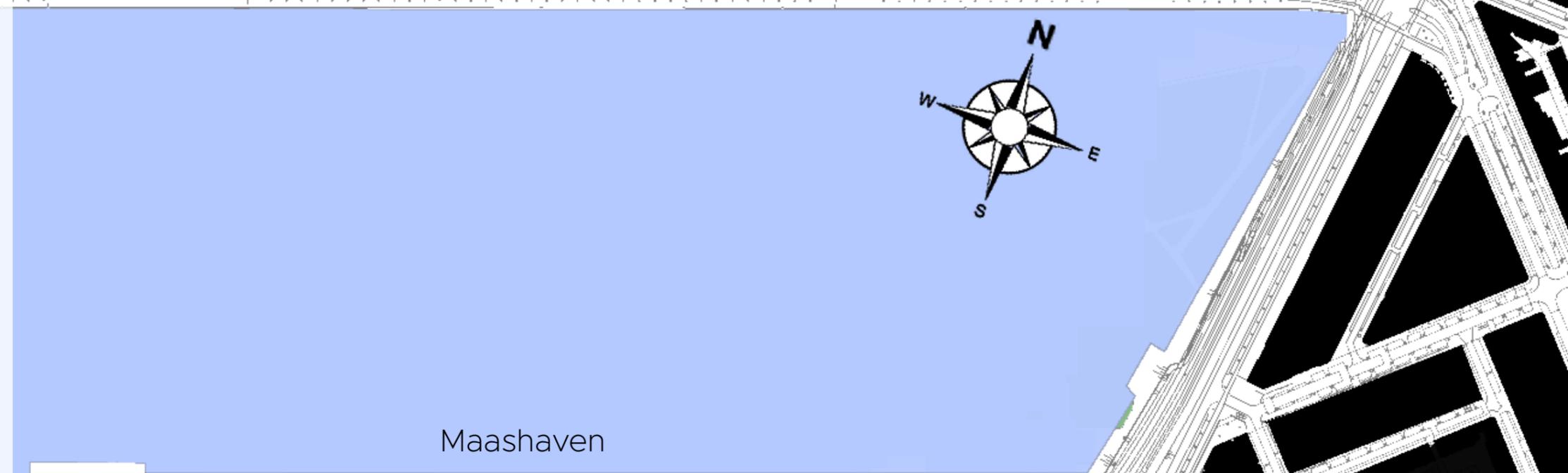
SCHAAL. 1:100.

ROTTERDAM. JULI. 1915.

People in Tarwewijk



House of Hope



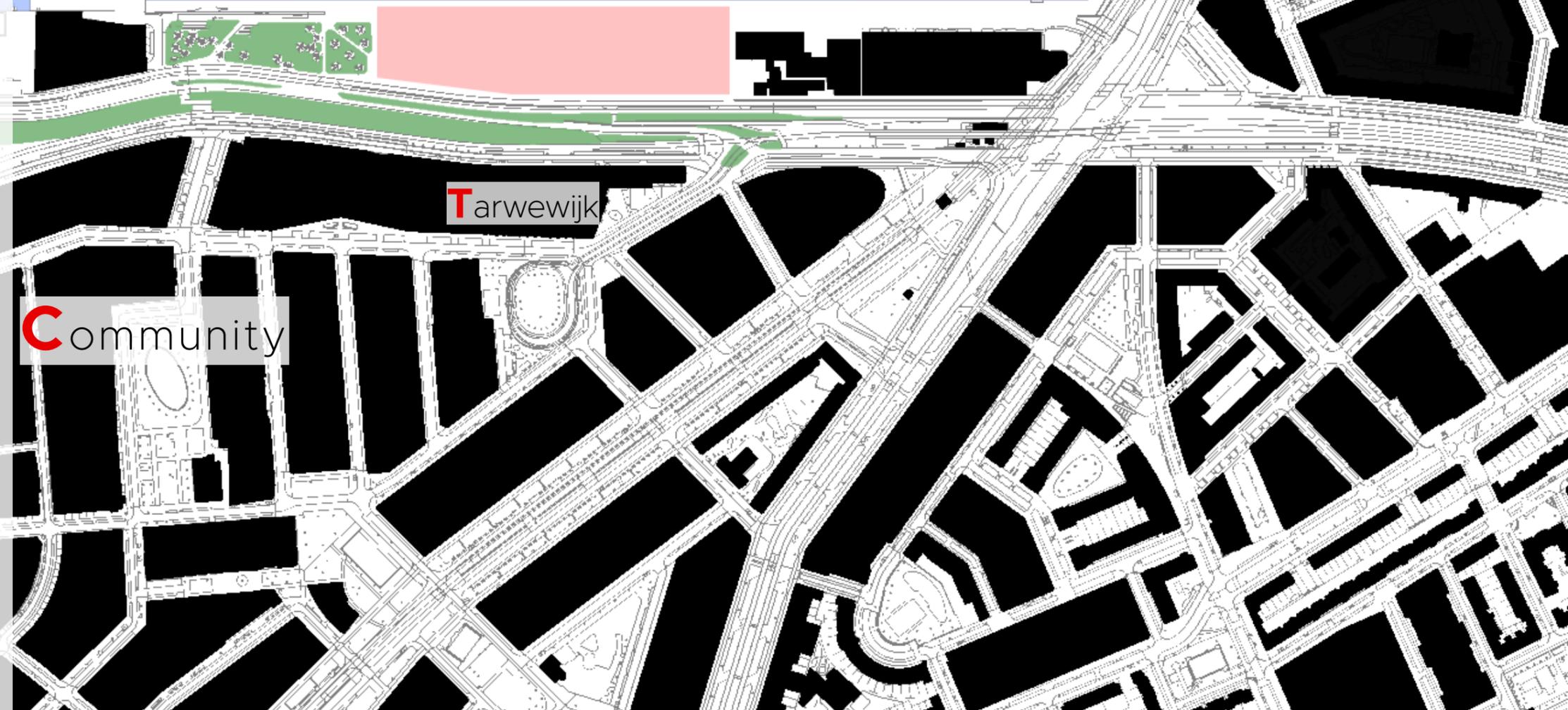
Maashaven



Weekly contact with neighbours



Visits to cultural facilities



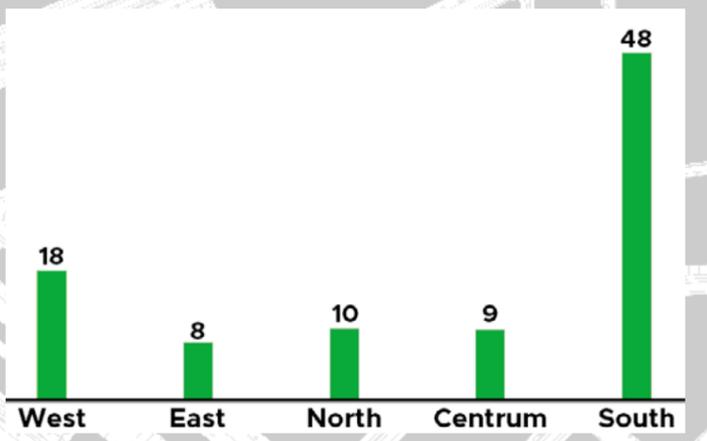
Tarwewijk

Community

Art in Tarwewijk



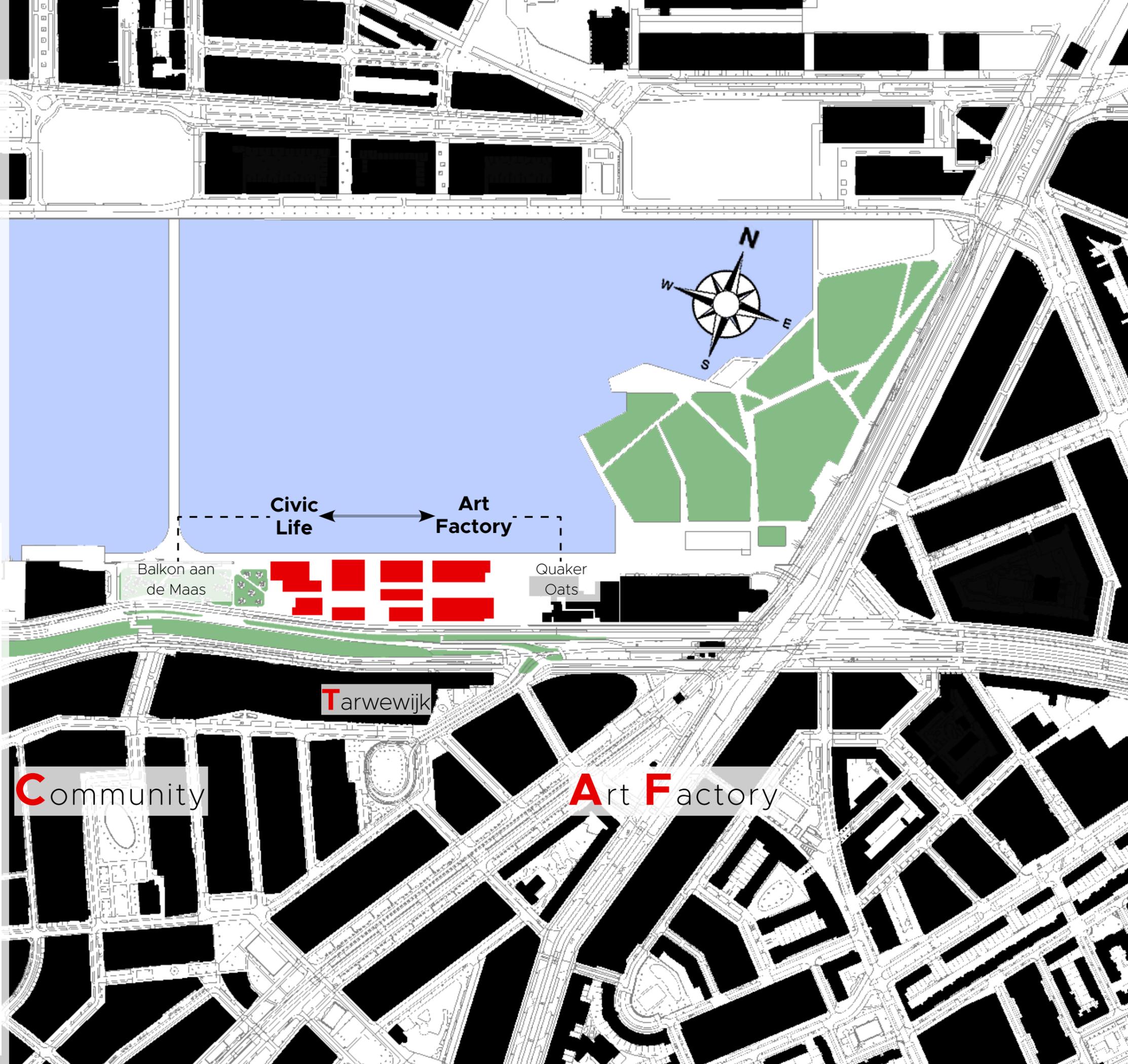
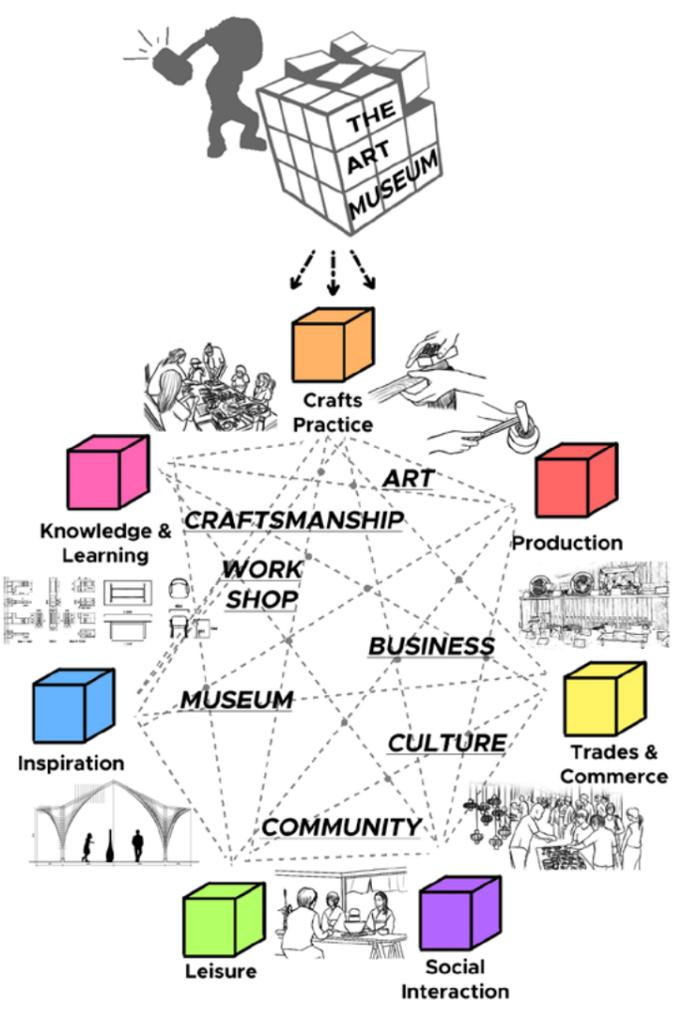
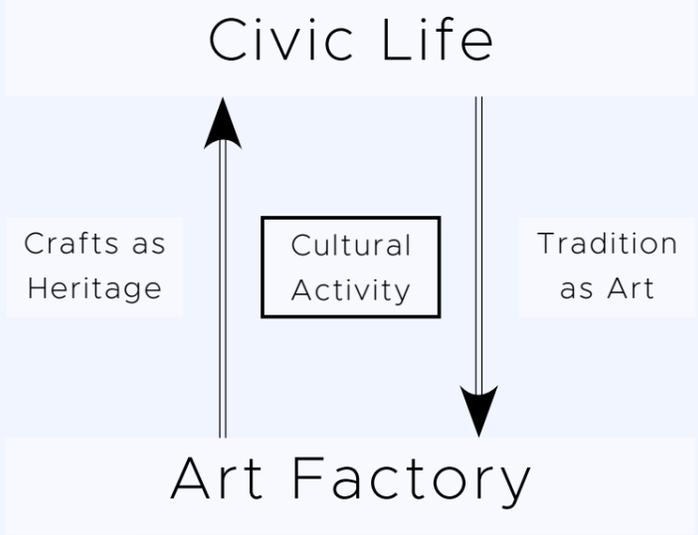
Cultuurwerkplaats Tarwewijk



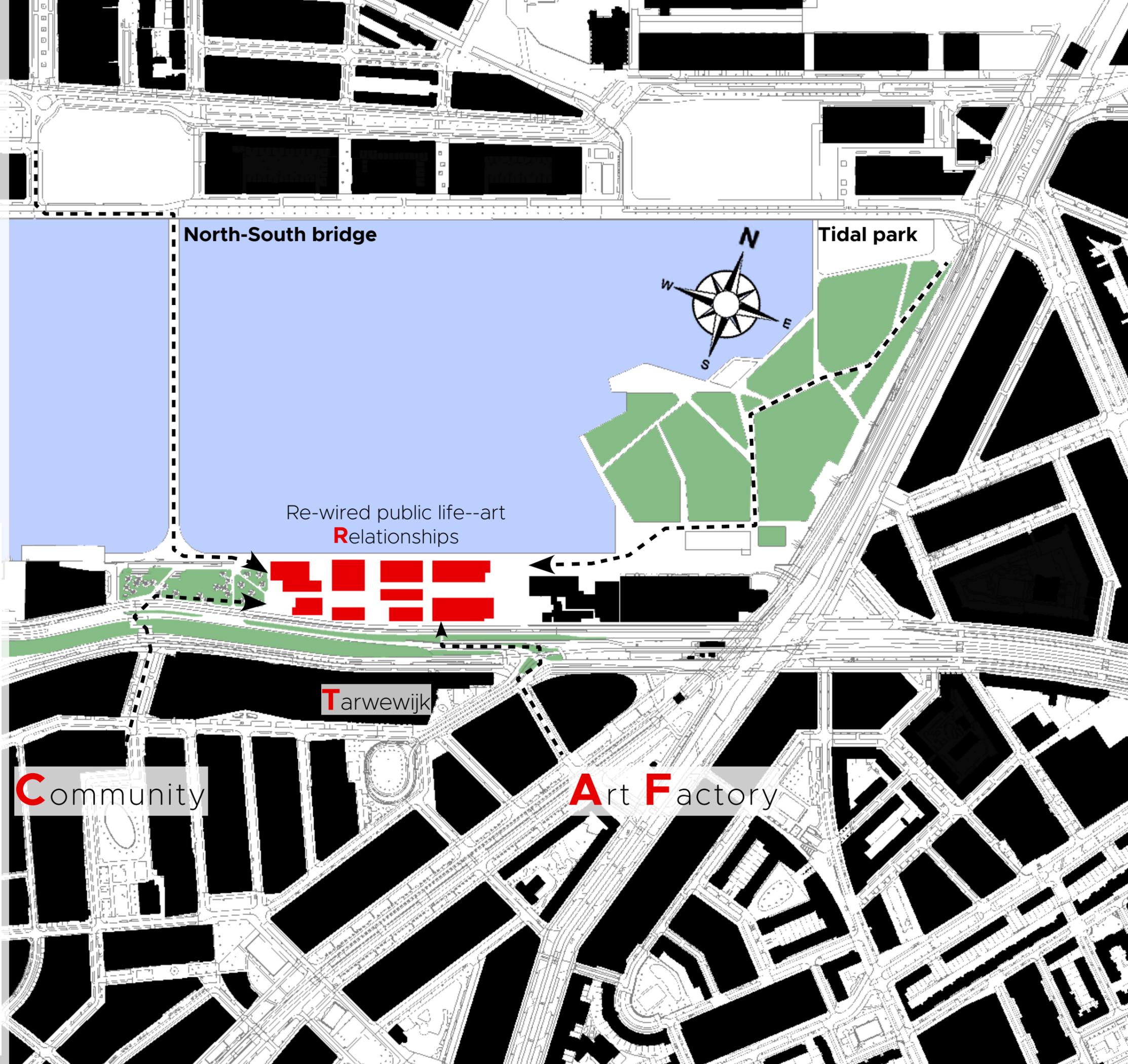
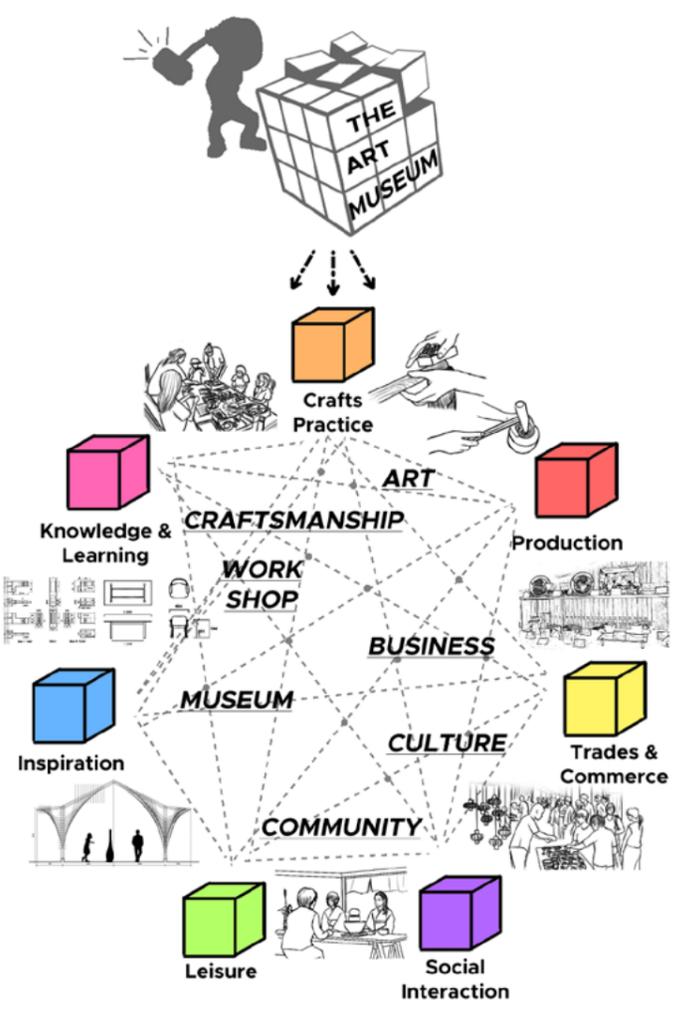
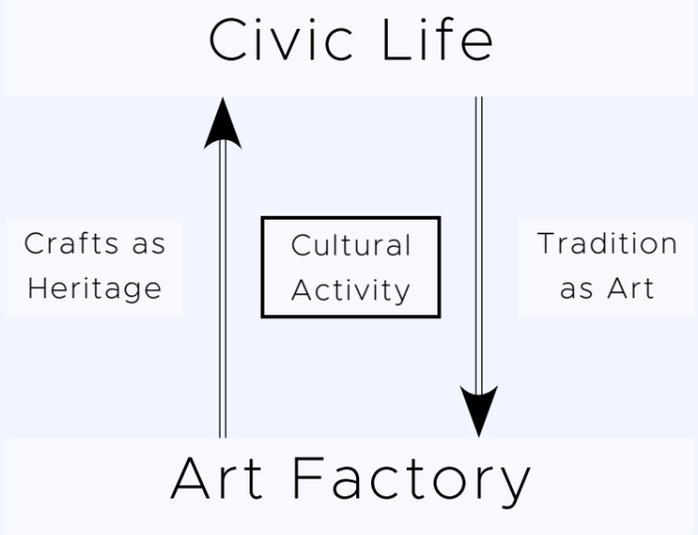
Ateliers Distribution in Rotterdam



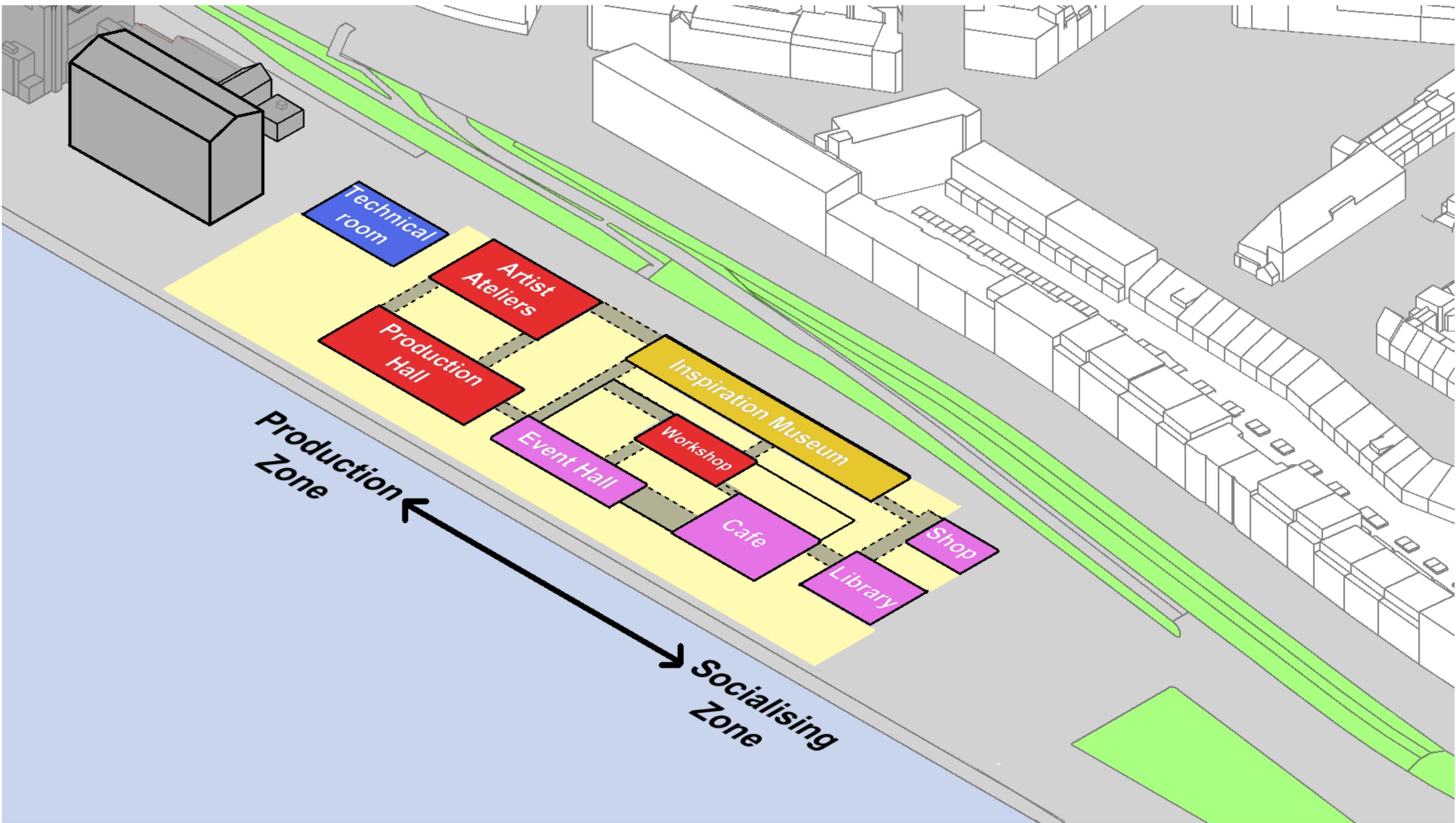
The Re-wired Art Museum



The Re-wired Art Museum



Museum Concept: Gradational cluster categories



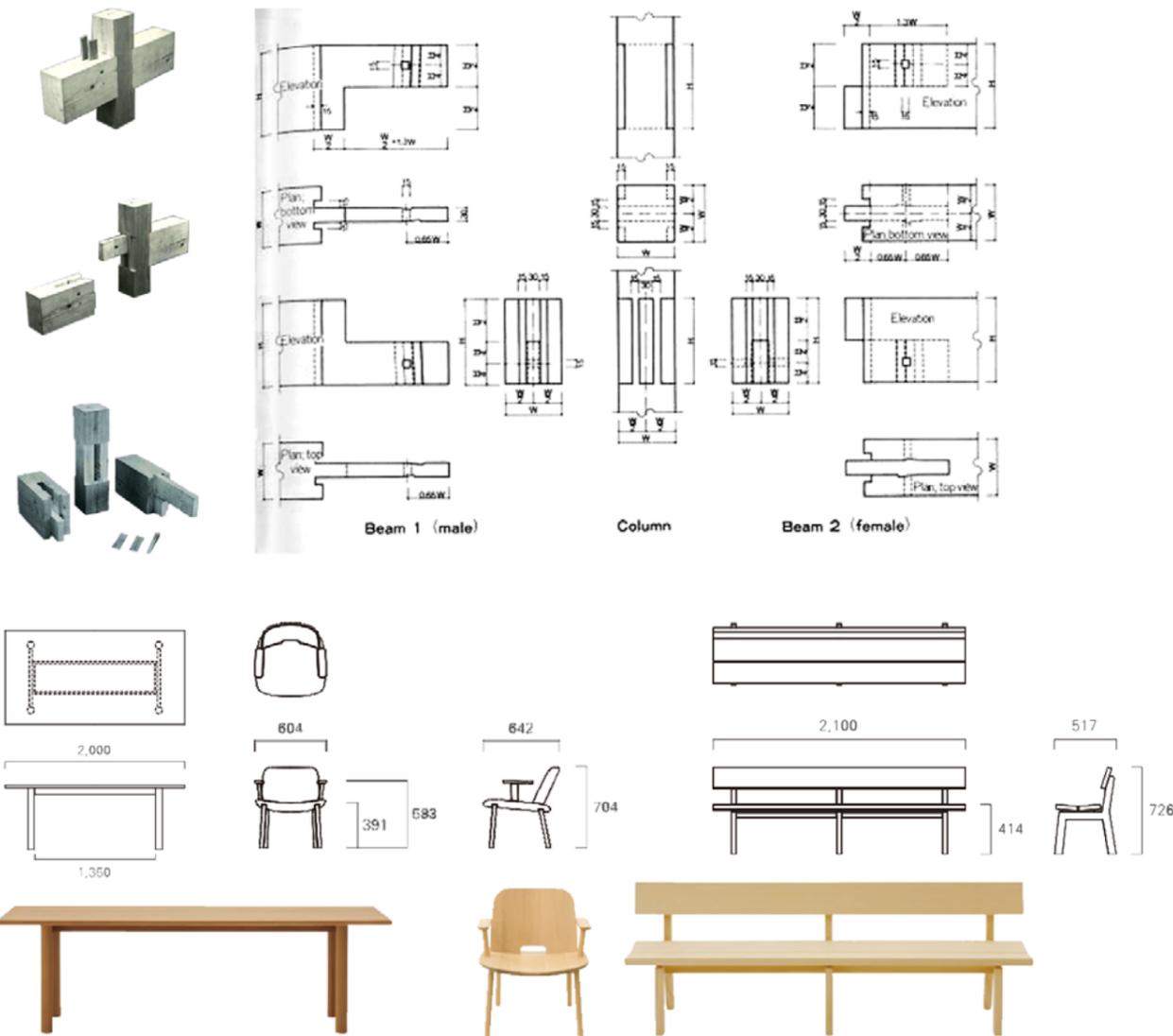
EXHIBITION CONCEPT

Multi-scales of Craftsmanship Art

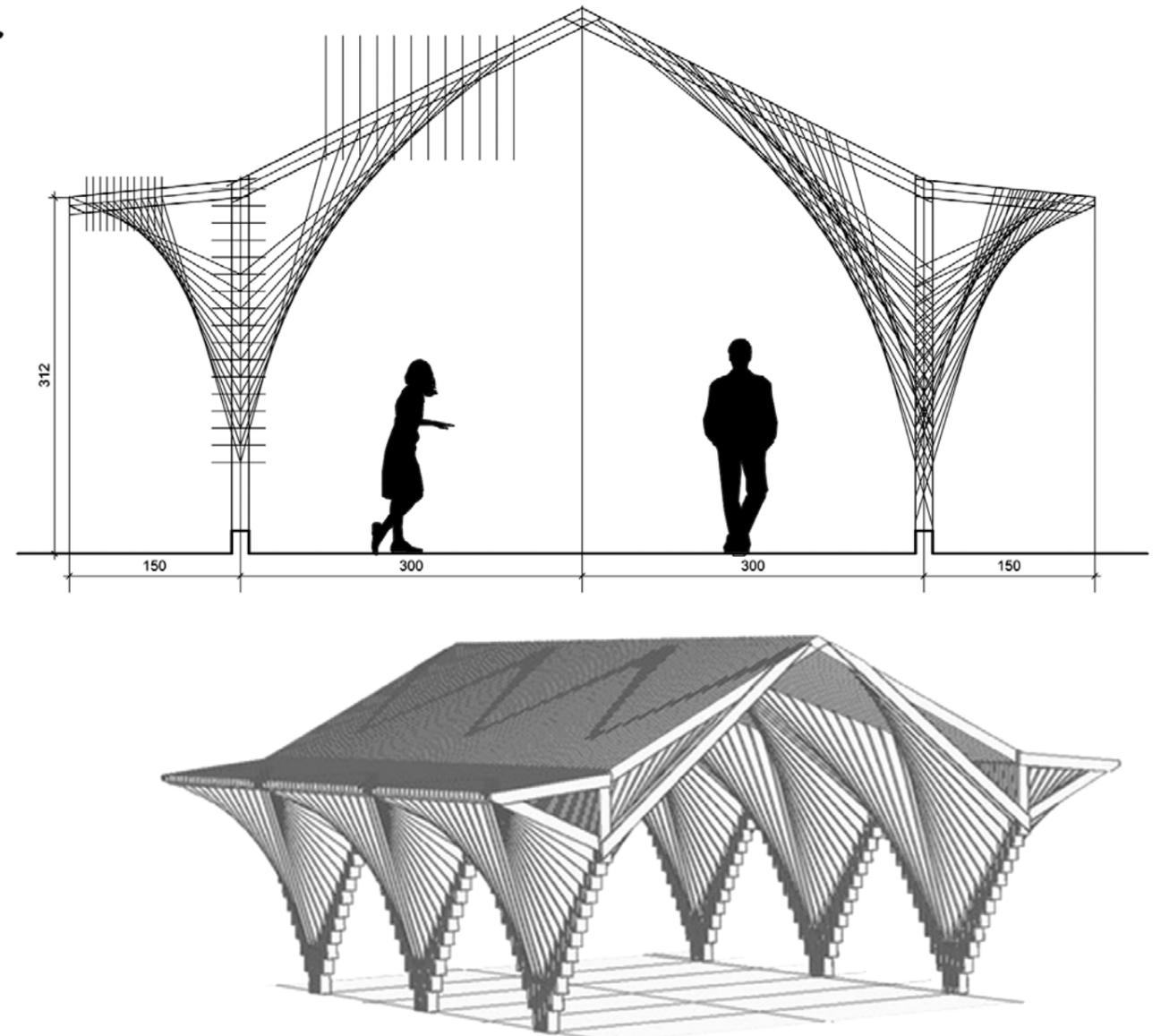
S



M



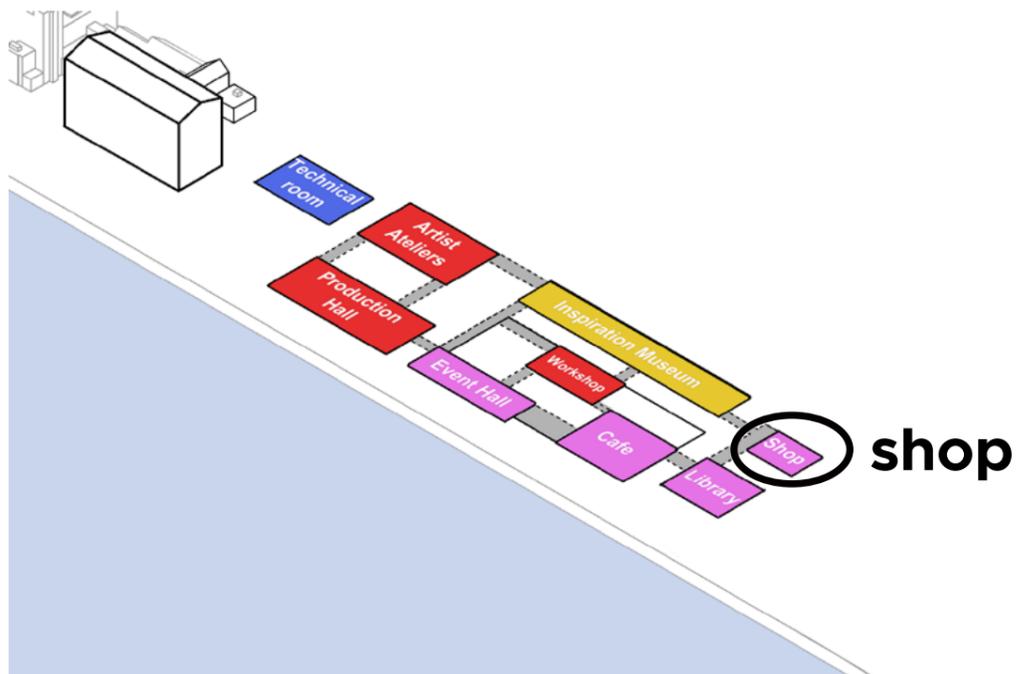
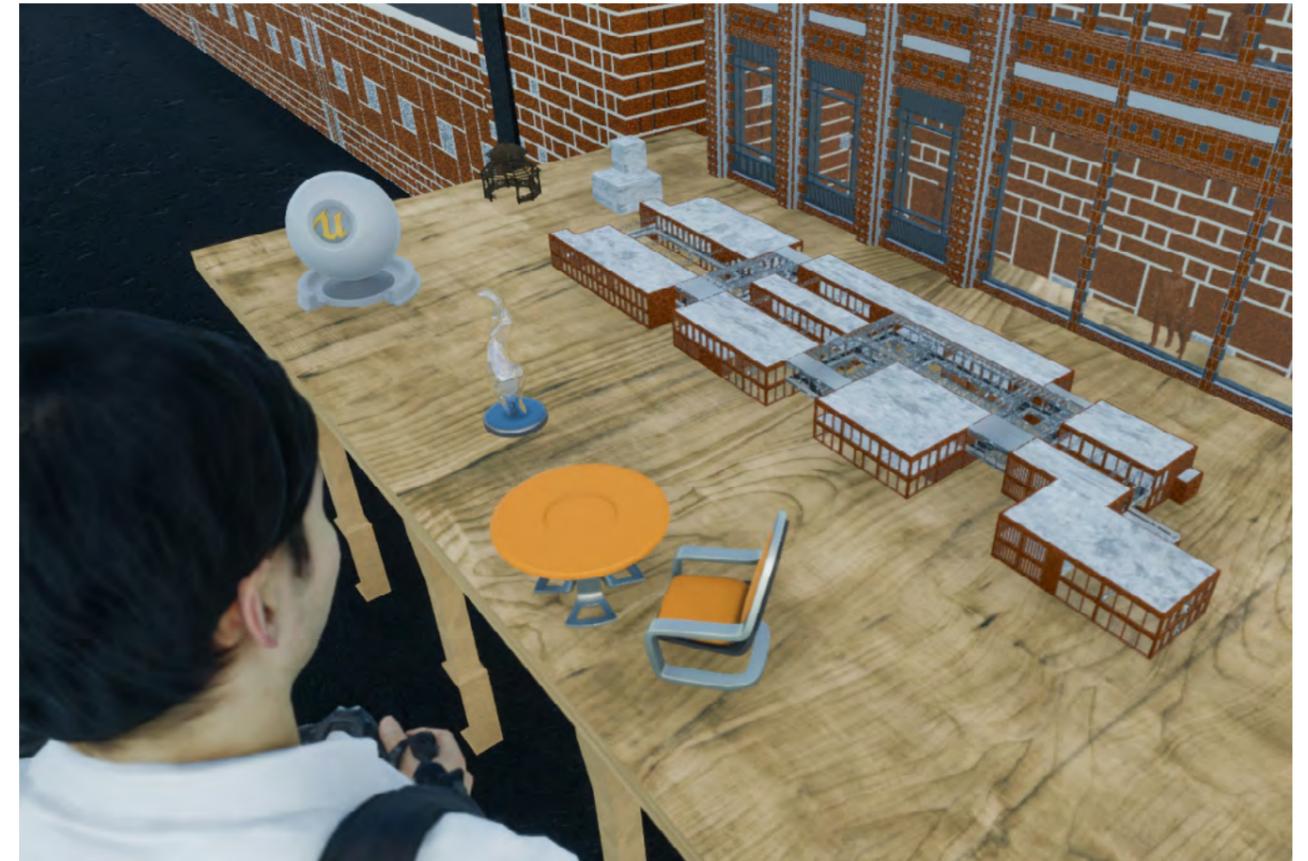
L



Shop display

=

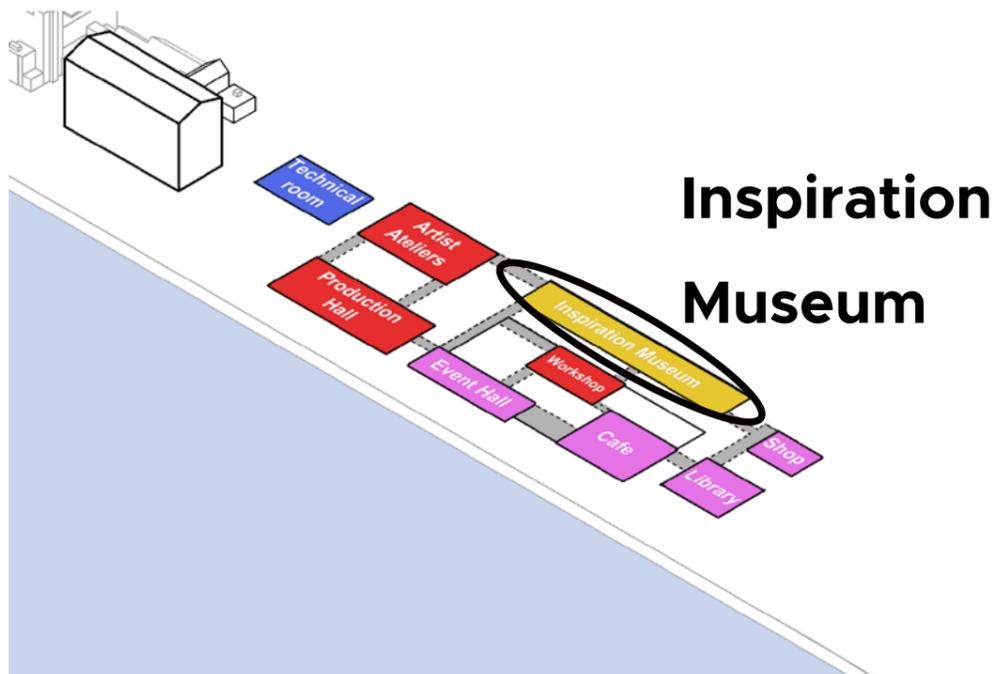
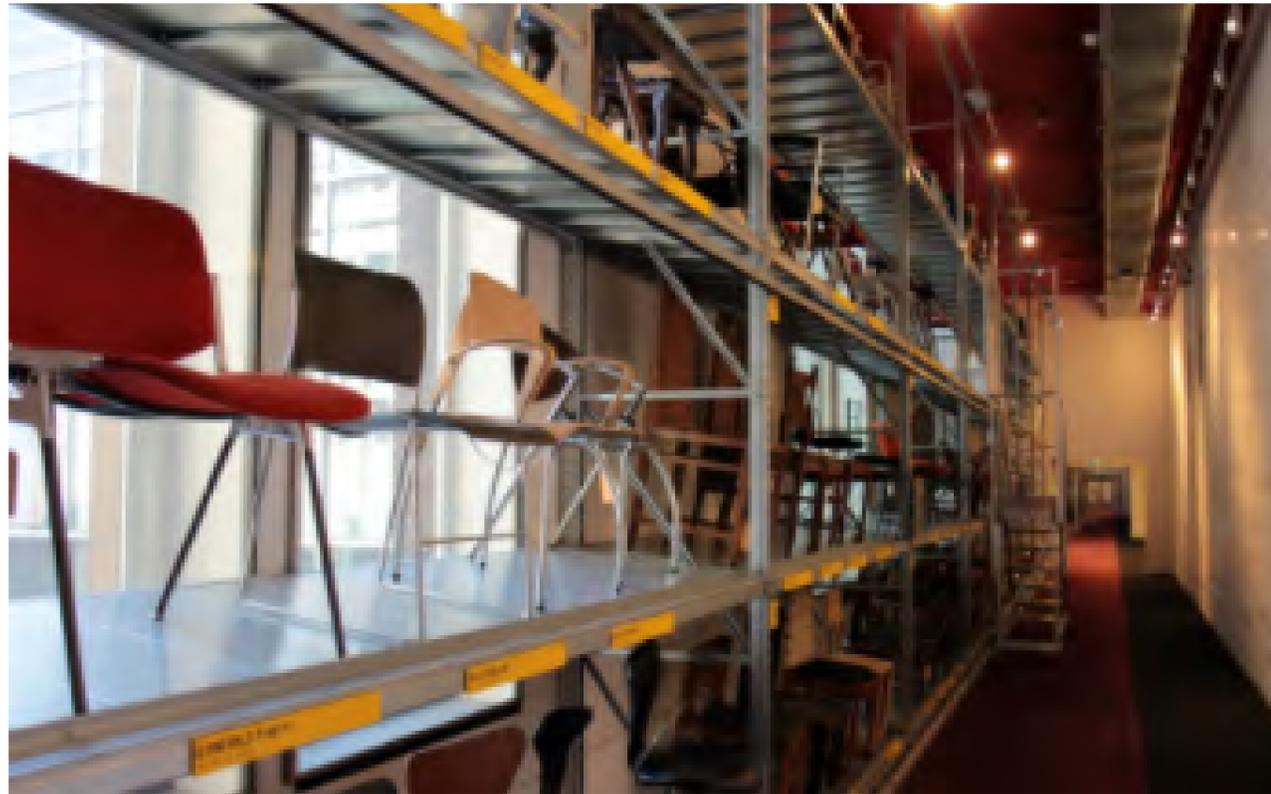
Exhibition of crafted tools of daily life



Indoor Museum

=

Exhibition of educational material/reference



Production Zone

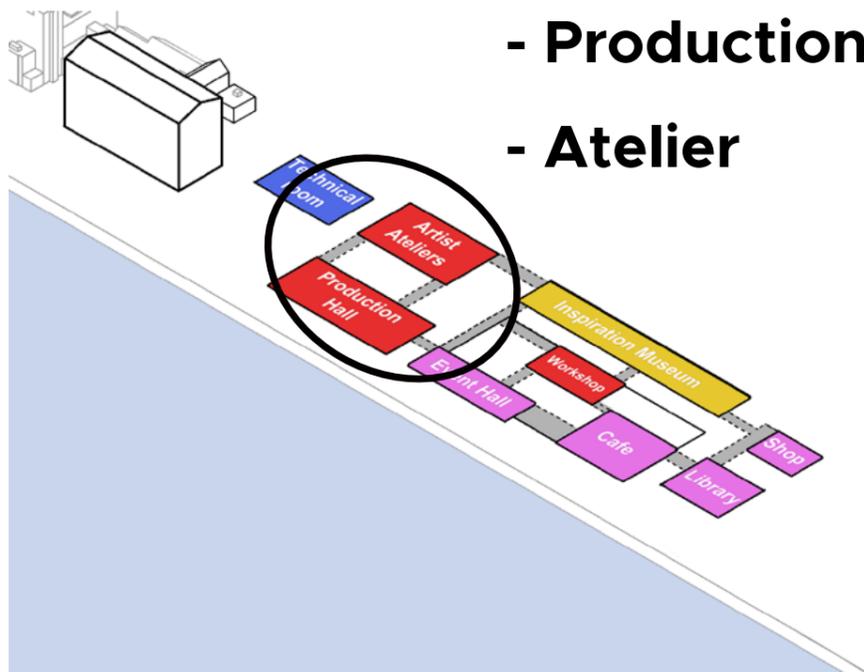
=

Exhibition as open practical learning



- Production Hall

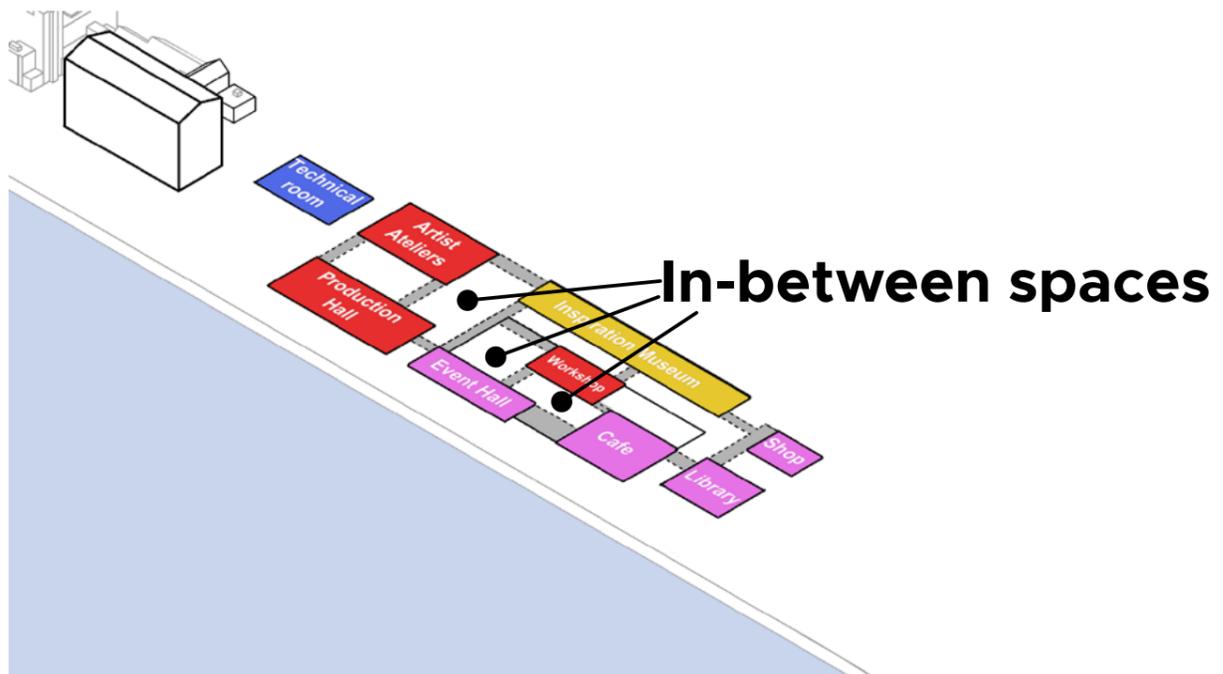
- Atelier



(Semi)Outdoor space

=

Exhibition of interactive installation/urban furniture



SPACE CONCEPT

Indoor-Outdoor Permeability



Sanmachi Street, Takayama, Japan

Indoor-Outdoor Transparency



Kanayamachi, Takaoka, Japan

Street as Extension of Public Space



Kanayamachi, Takaoka, Japan

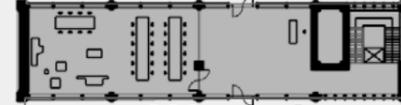
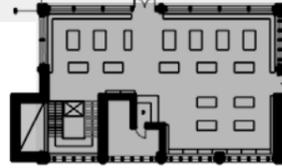
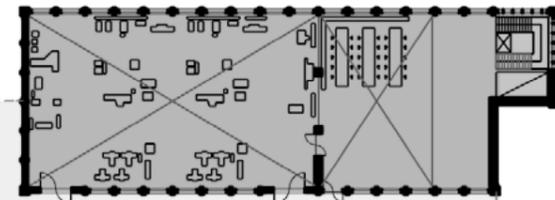
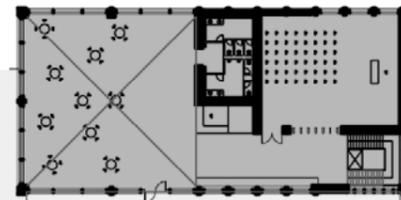
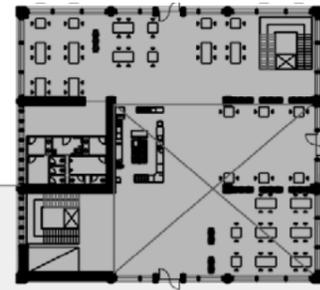
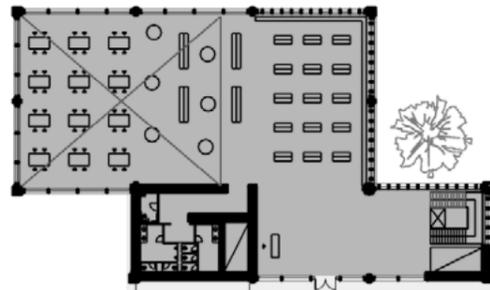
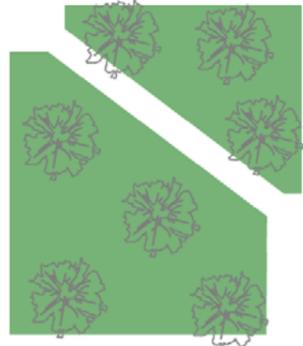


Library

Cafe

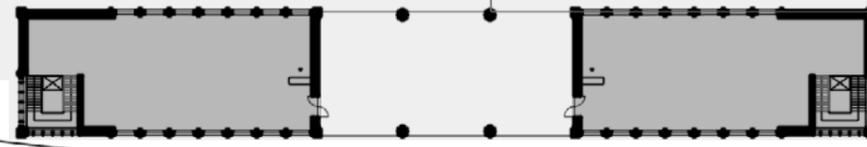
Public Hall

Production Hall

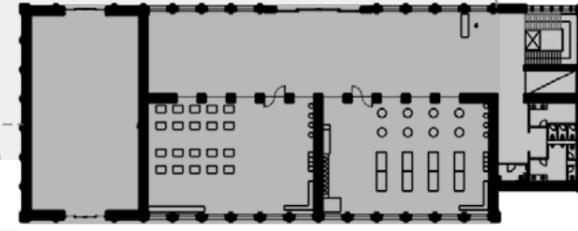


Workshop

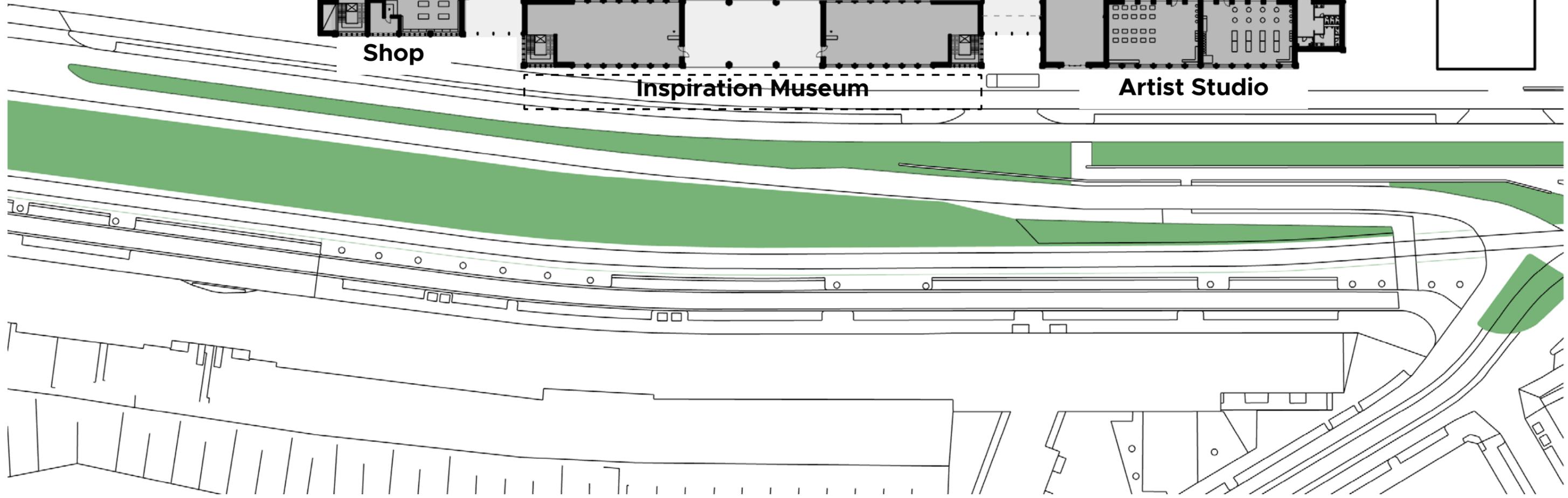
Shop



Inspiration Museum



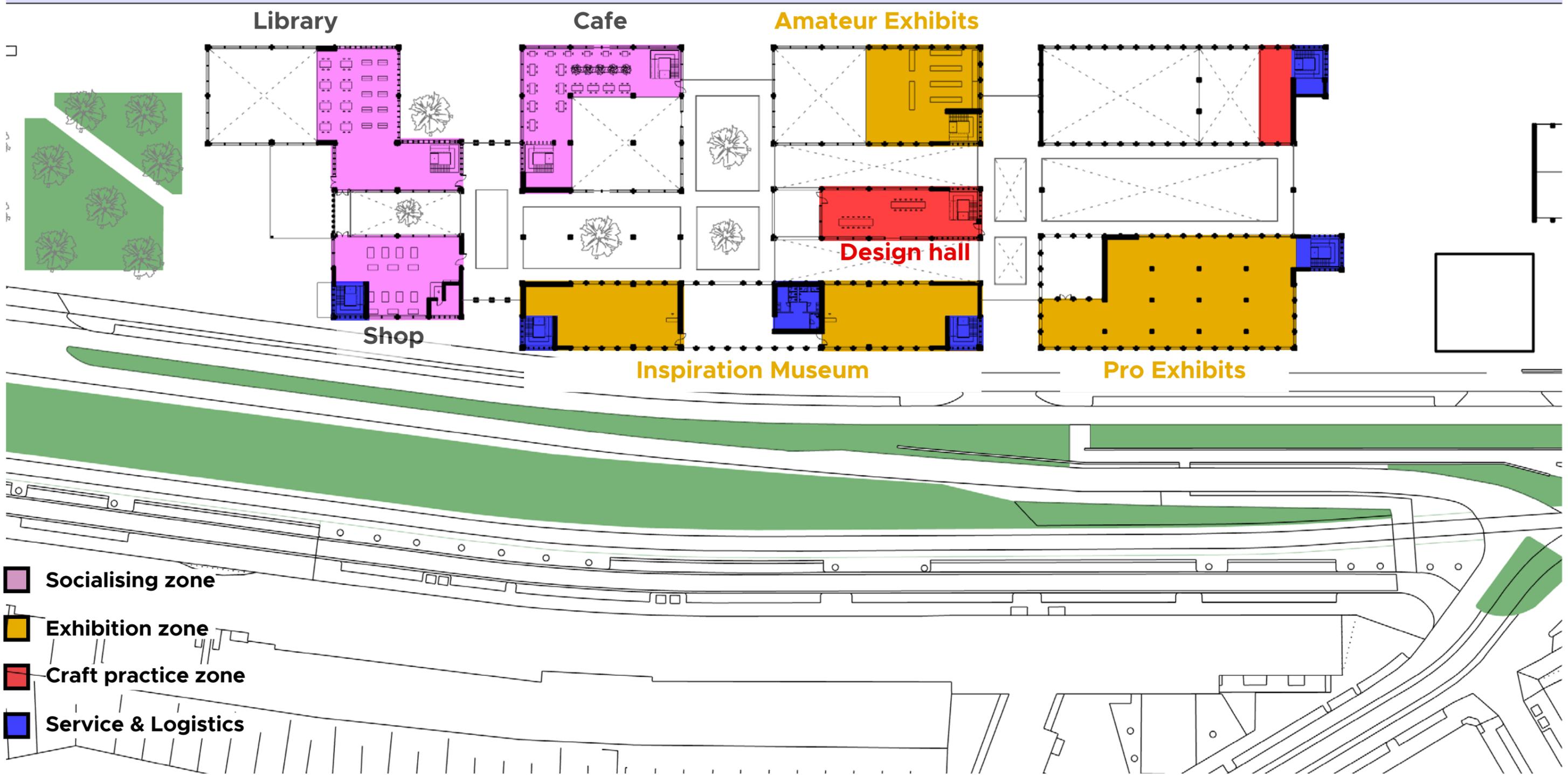
Artist Studio



GF Floor Plan



1F Floor Plan



Library

Cafe

Amateur Exhibits

Shop

Design hall

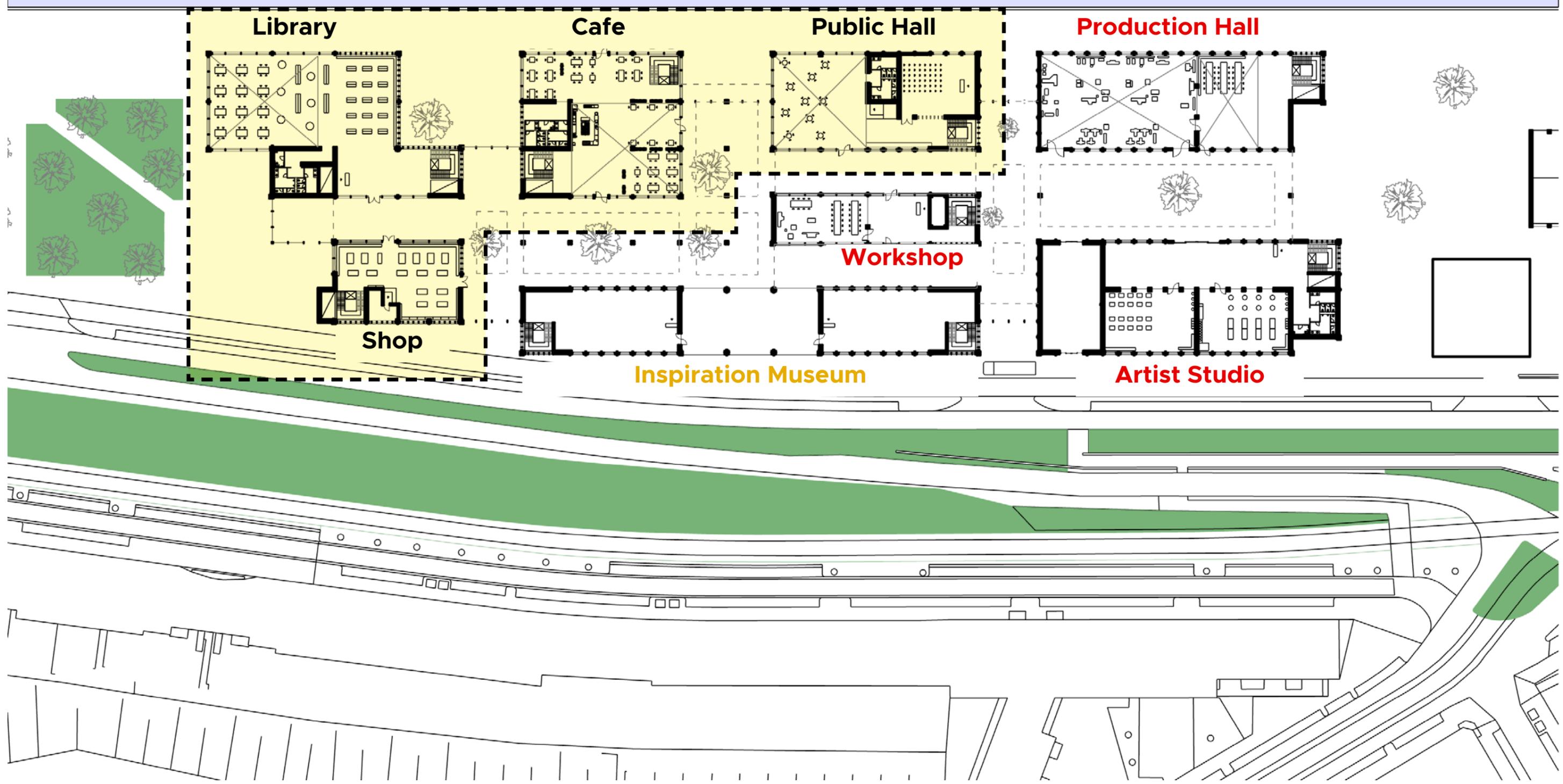
Inspiration Museum

Pro Exhibits

-  Socialising zone
-  Exhibition zone
-  Craft practice zone
-  Service & Logistics



socio-cultural activity cluster



Library

Cafe

Public Hall

Production Hall

Shop

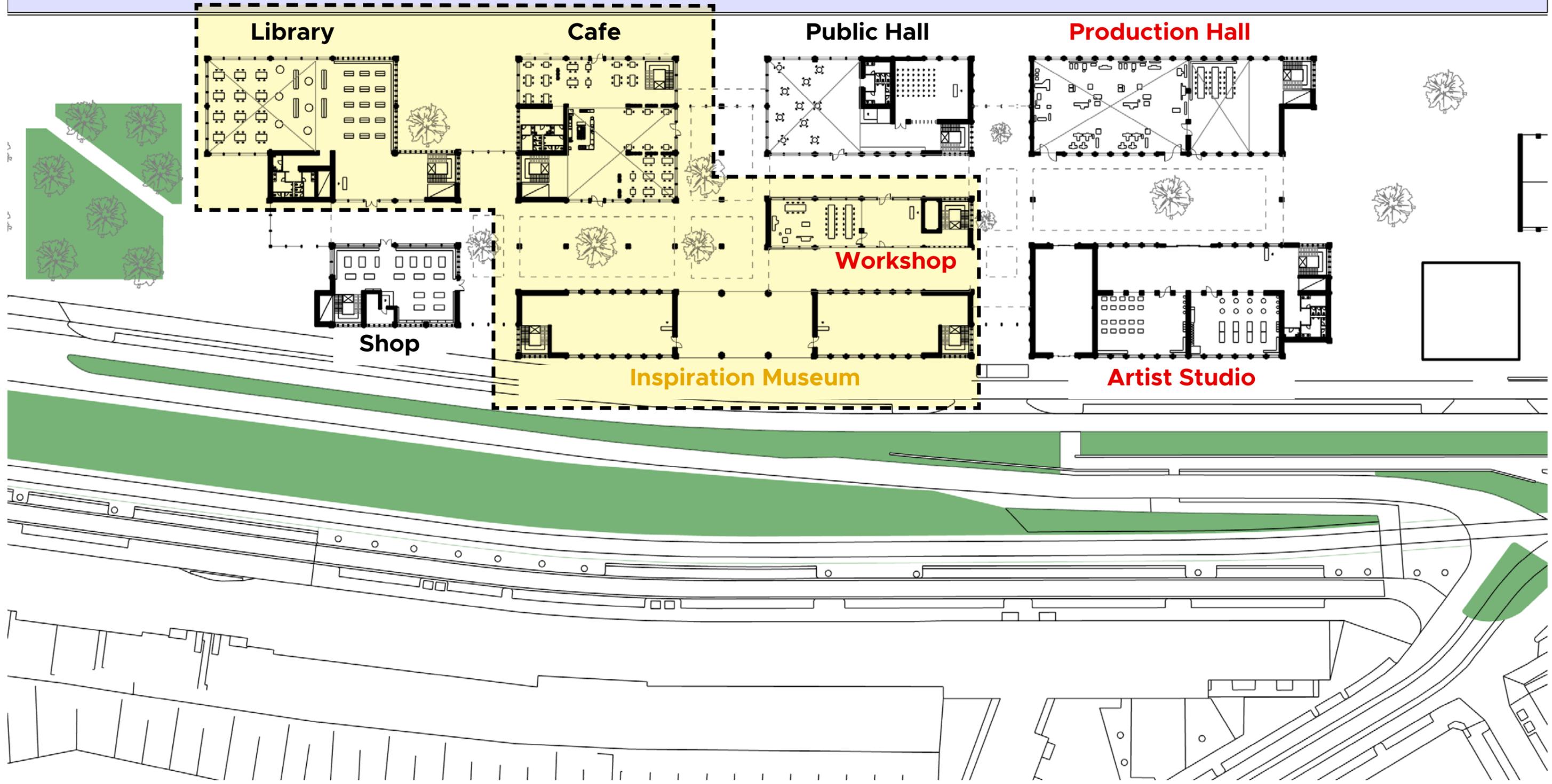
Workshop

Inspiration Museum

Artist Studio

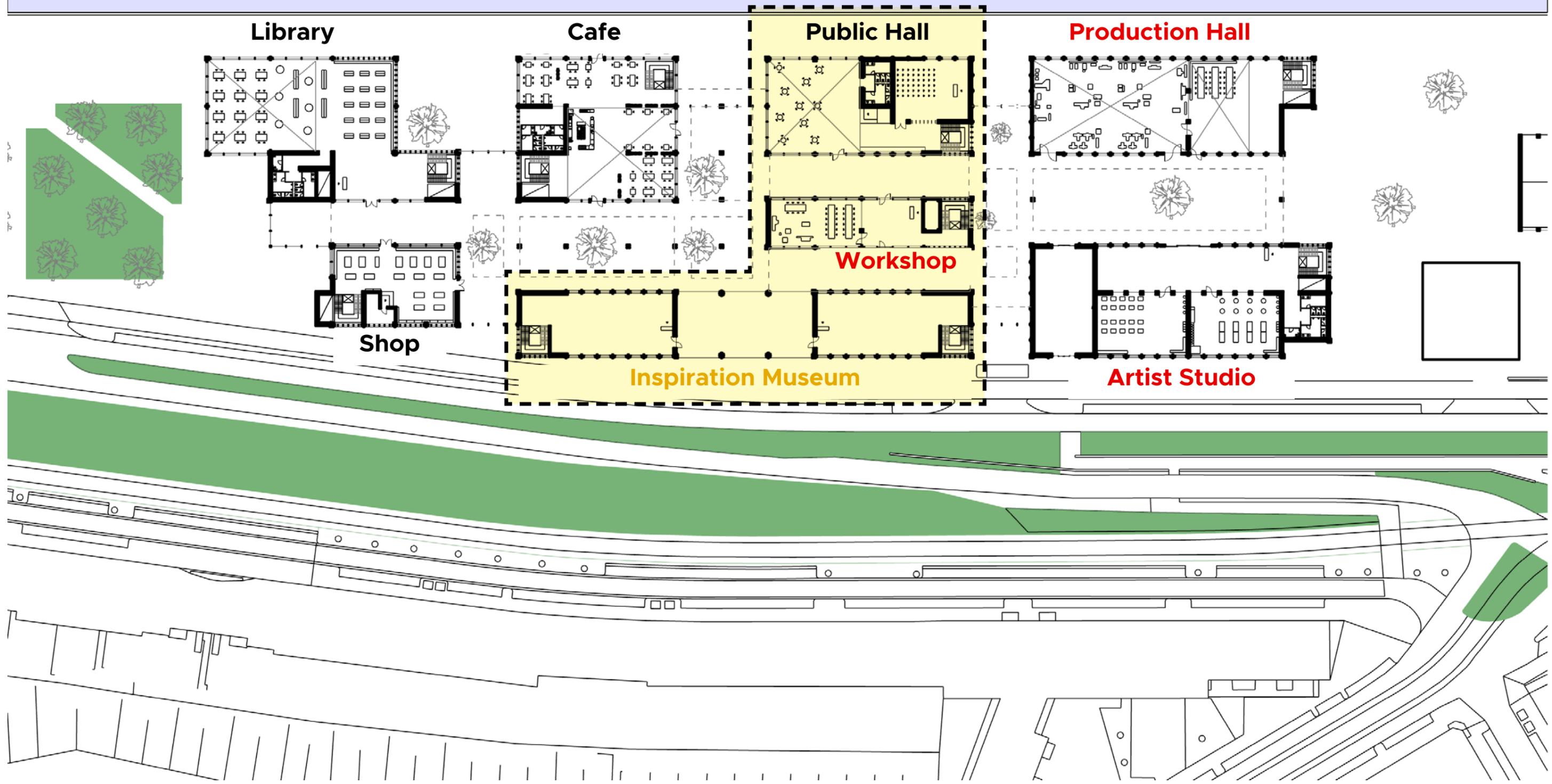


learning activity cluster





crafts appreciation cluster



Library

Cafe

Public Hall

Production Hall

Shop

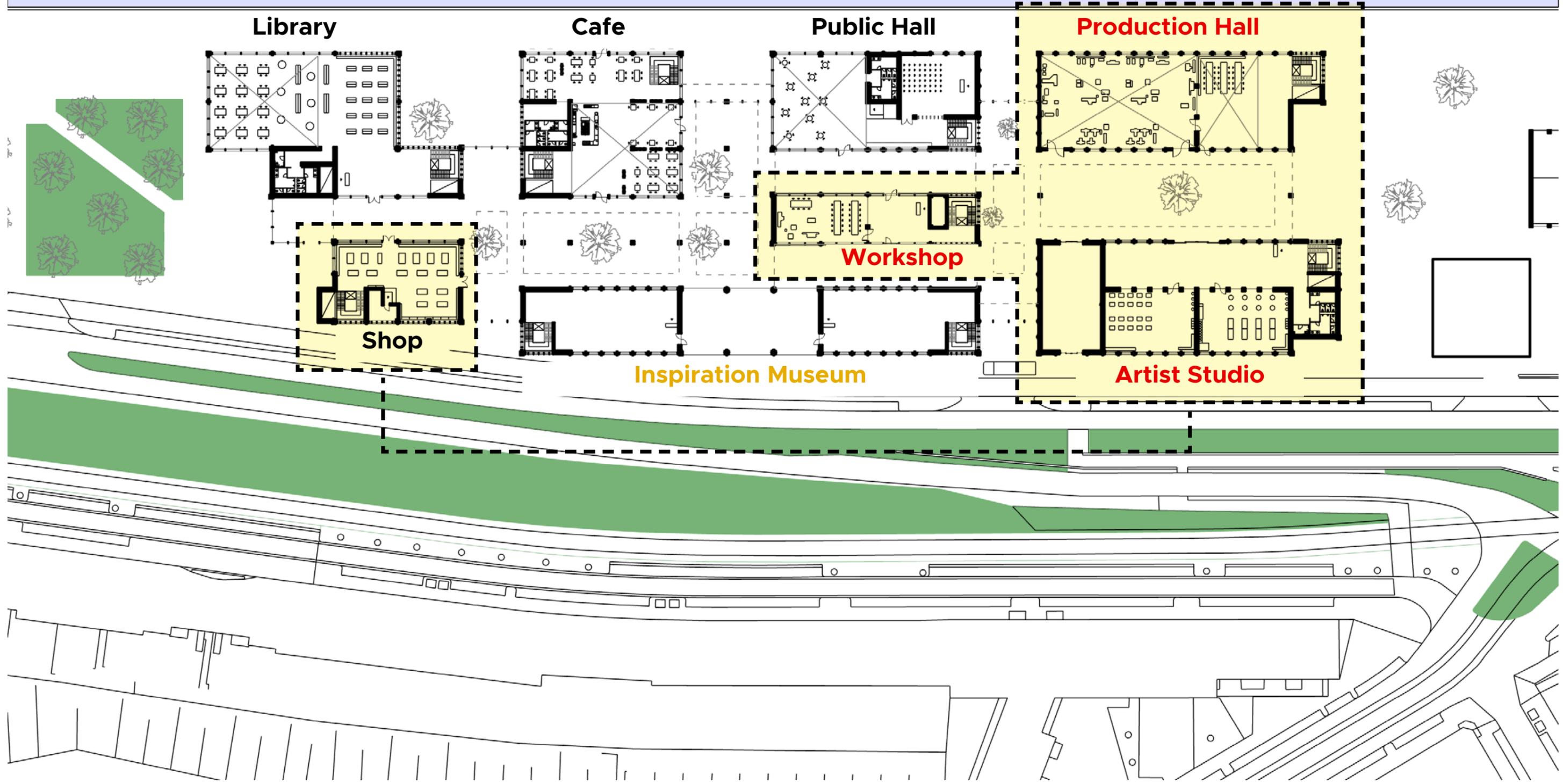
Workshop

Inspiration Museum

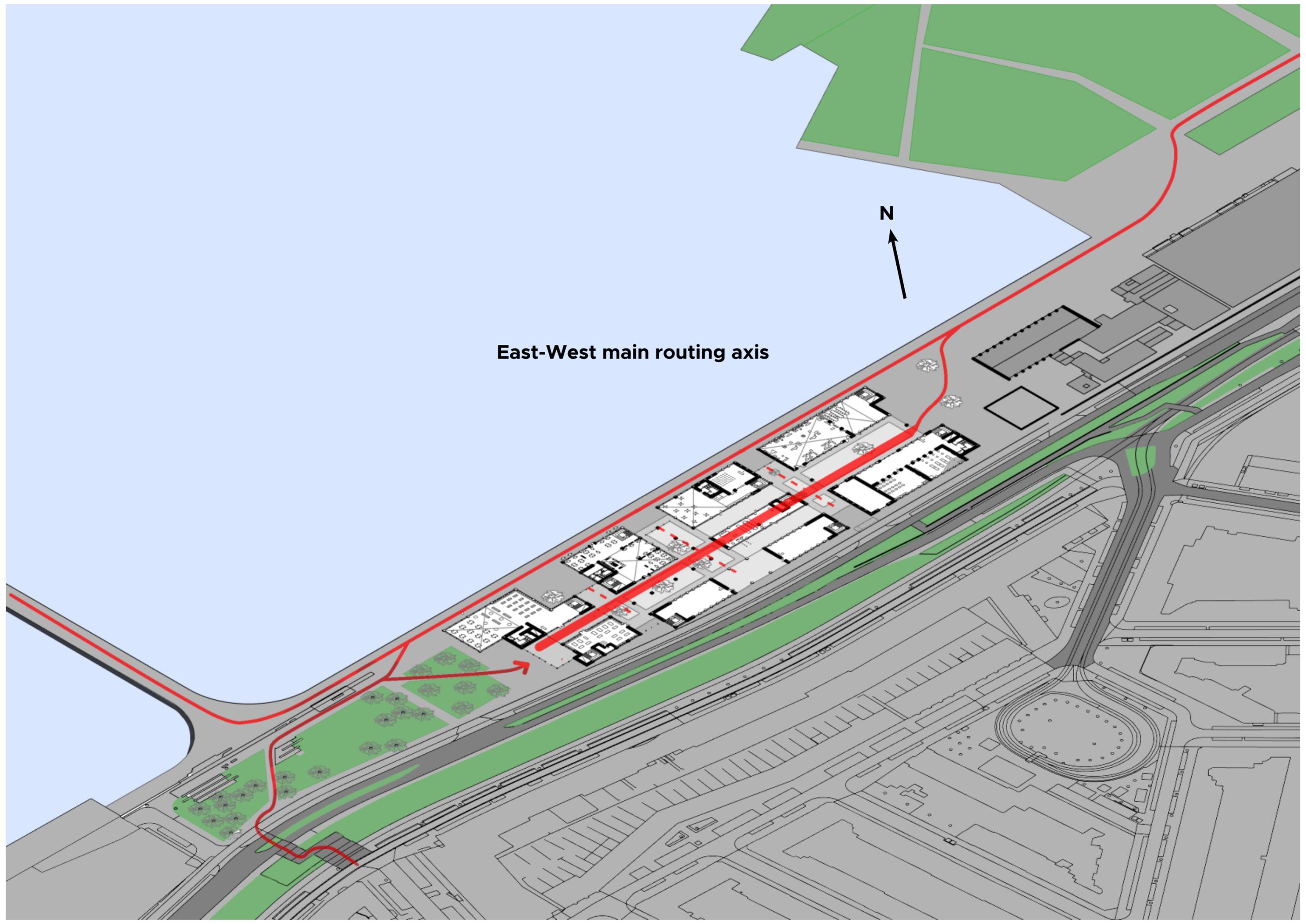
Artist Studio



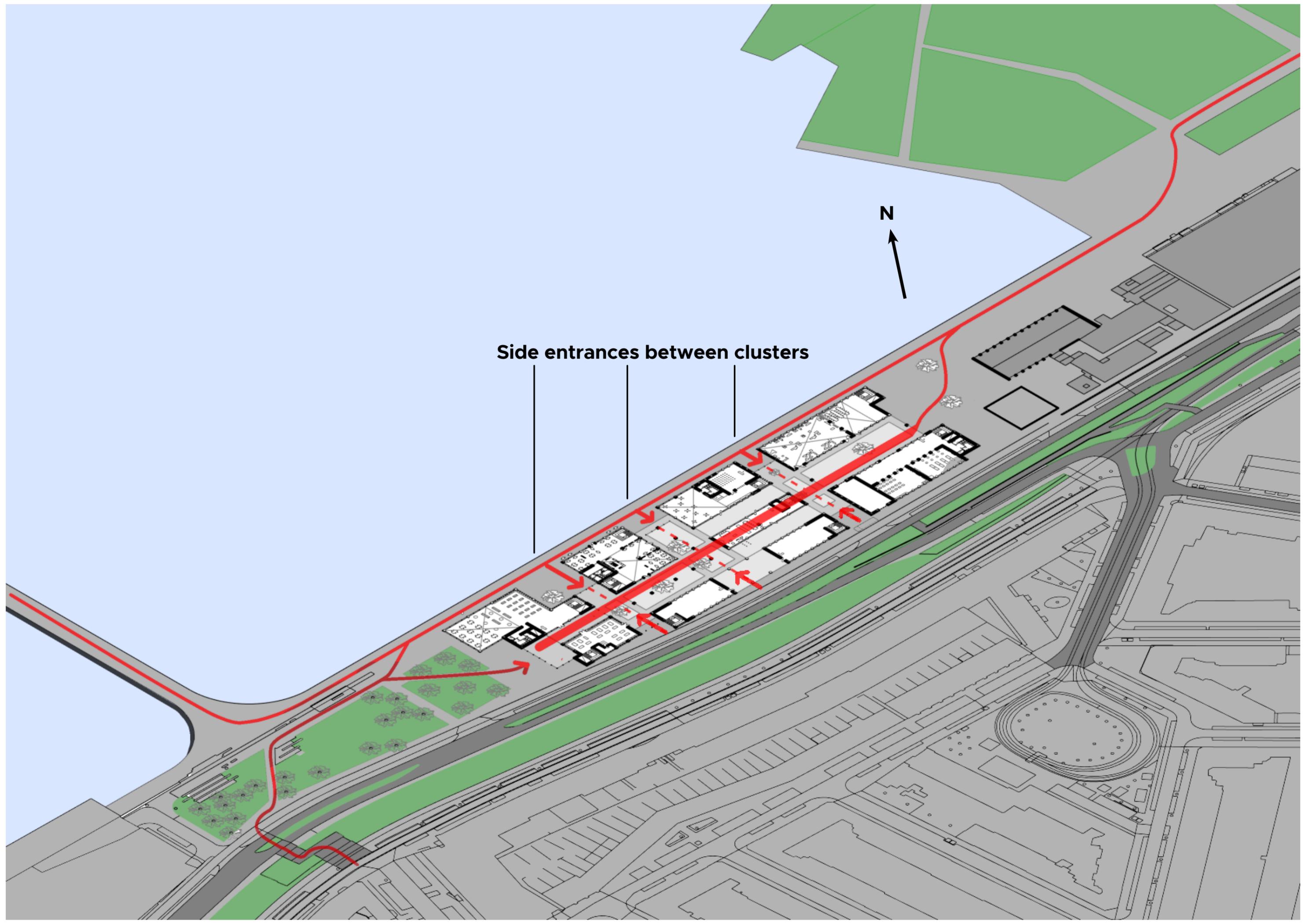
crafts industry cluster



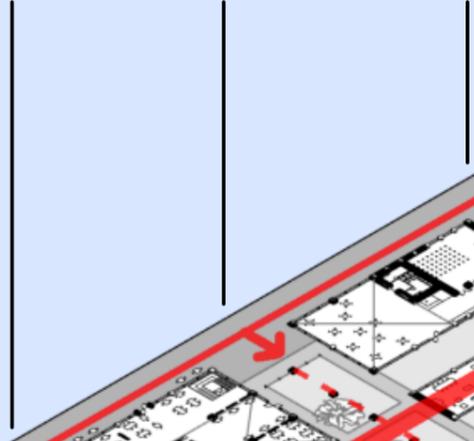
ROUTING

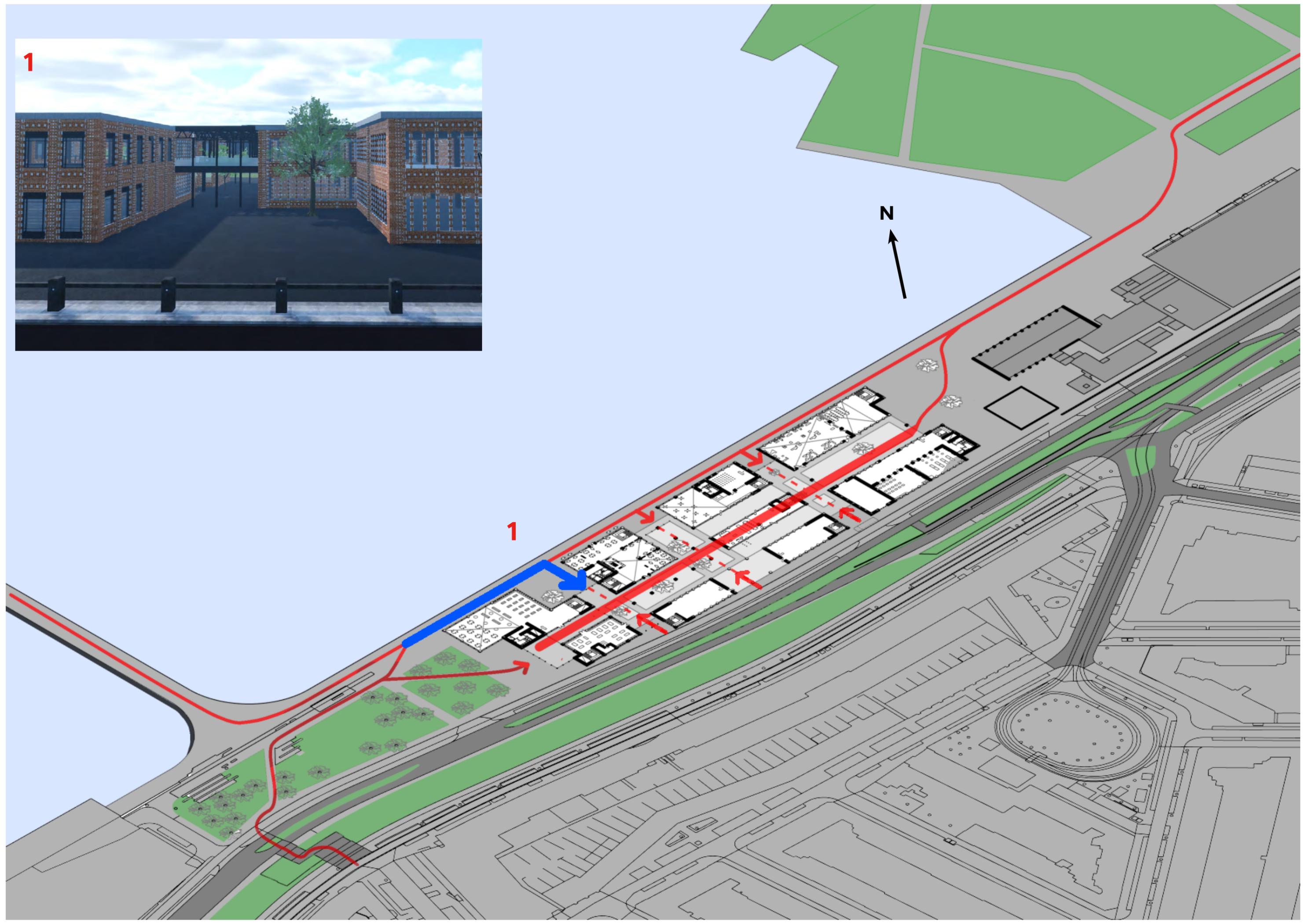


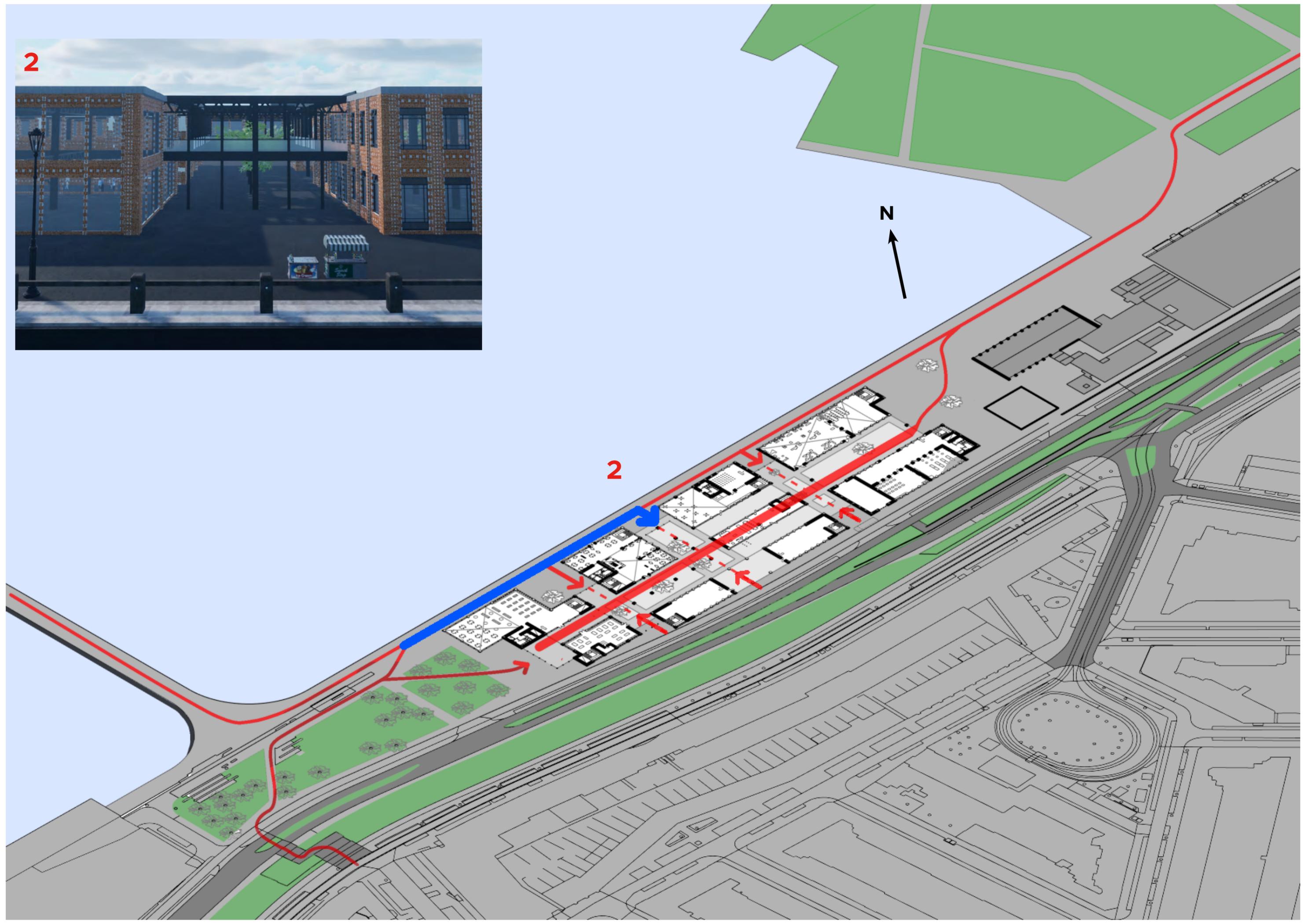
East-West main routing axis

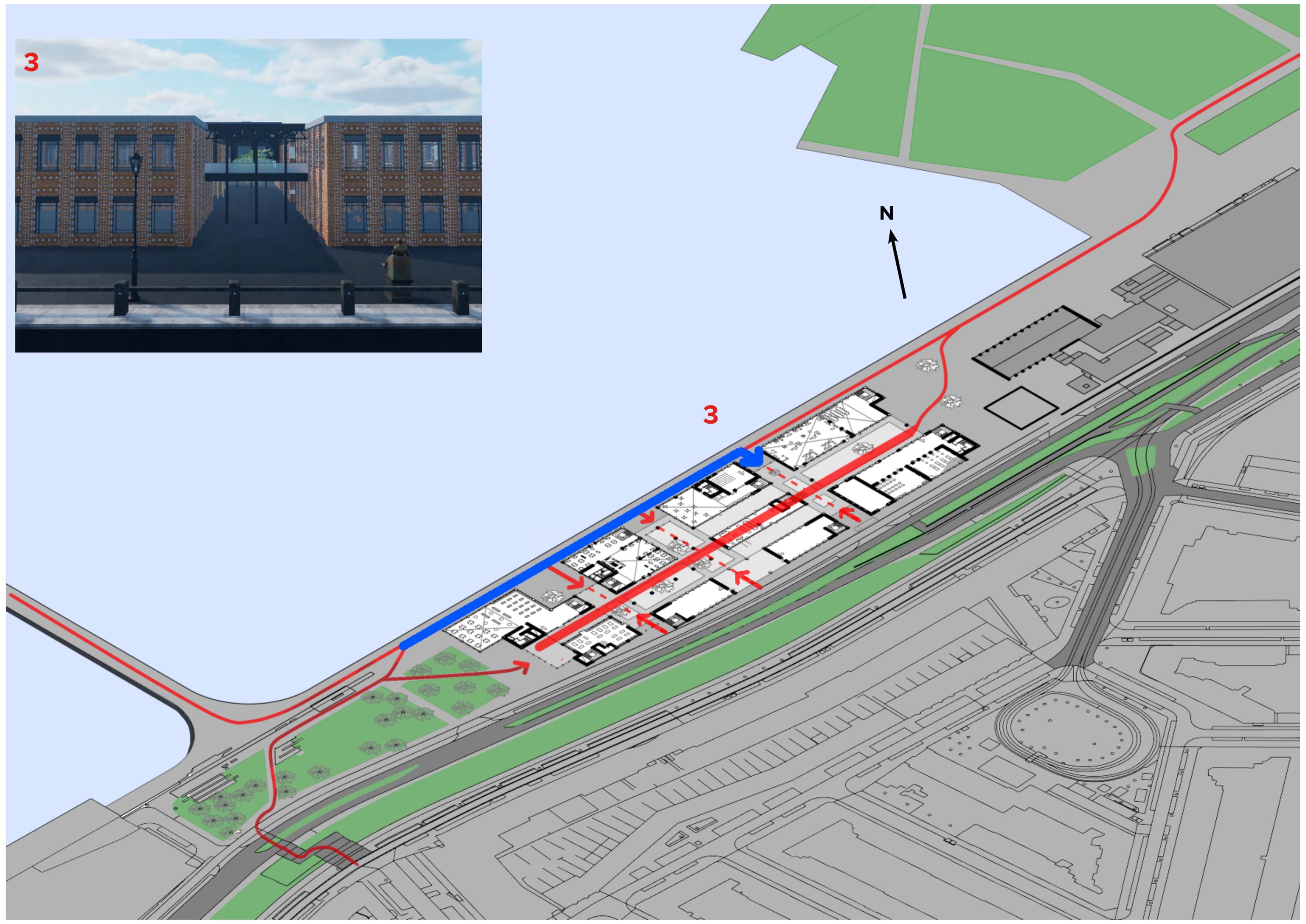


Side entrances between clusters

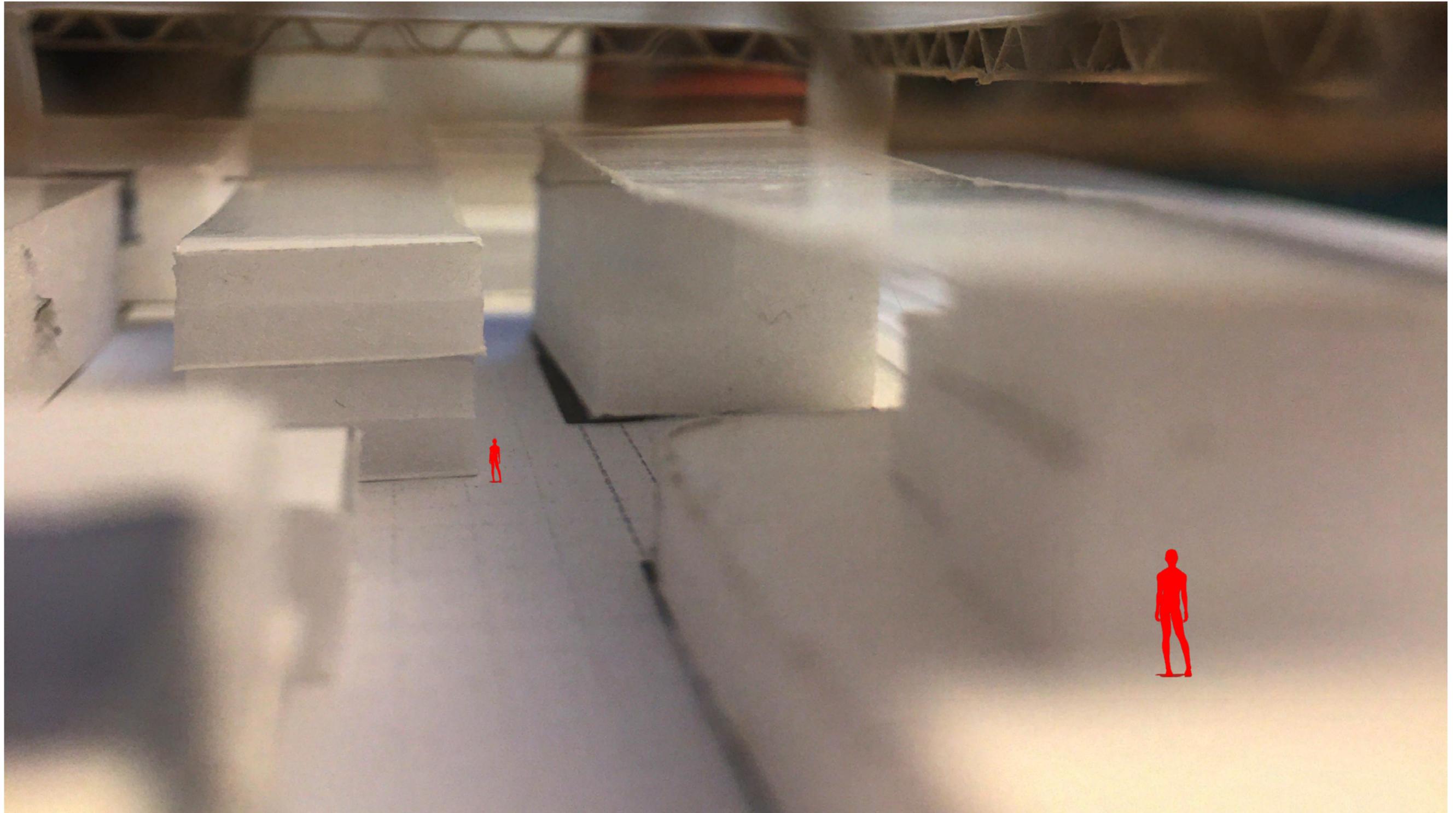


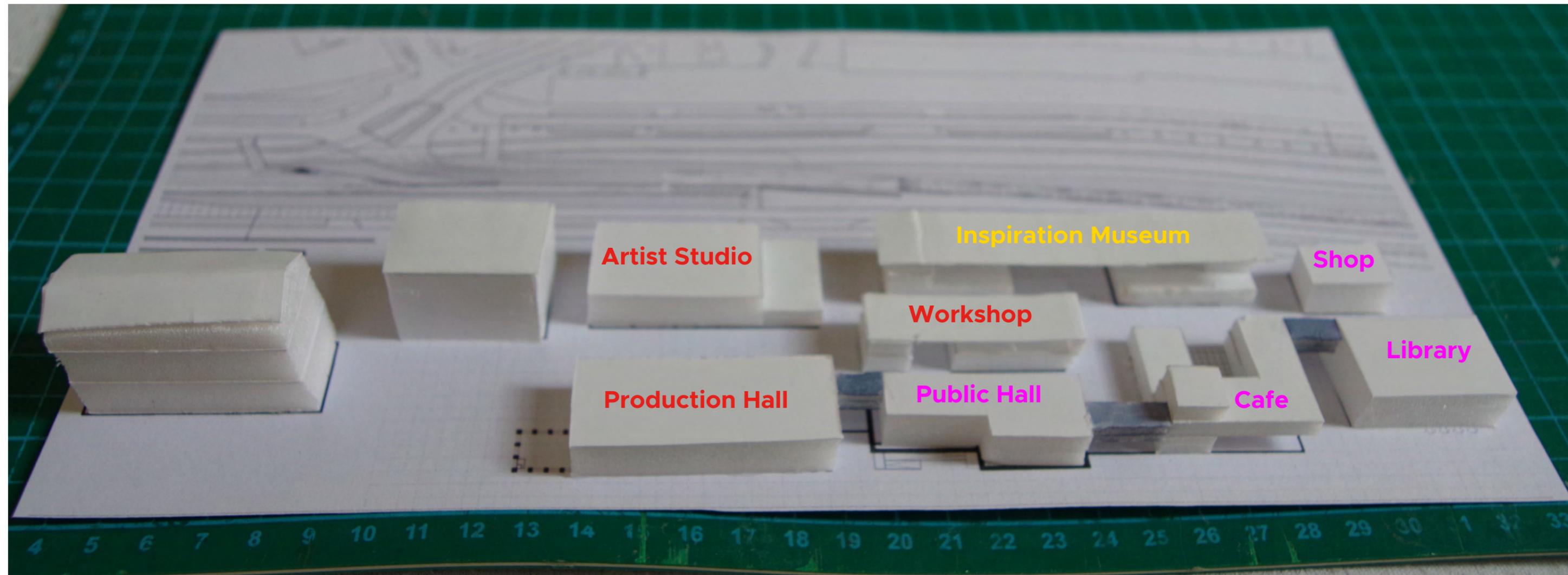






BUILDING COMPOSITION





Production Zone
Privacy
Introverted Space

Socialising Zone
Publicness
Extroverted Space

Concept of Architectural Language

1. Brick

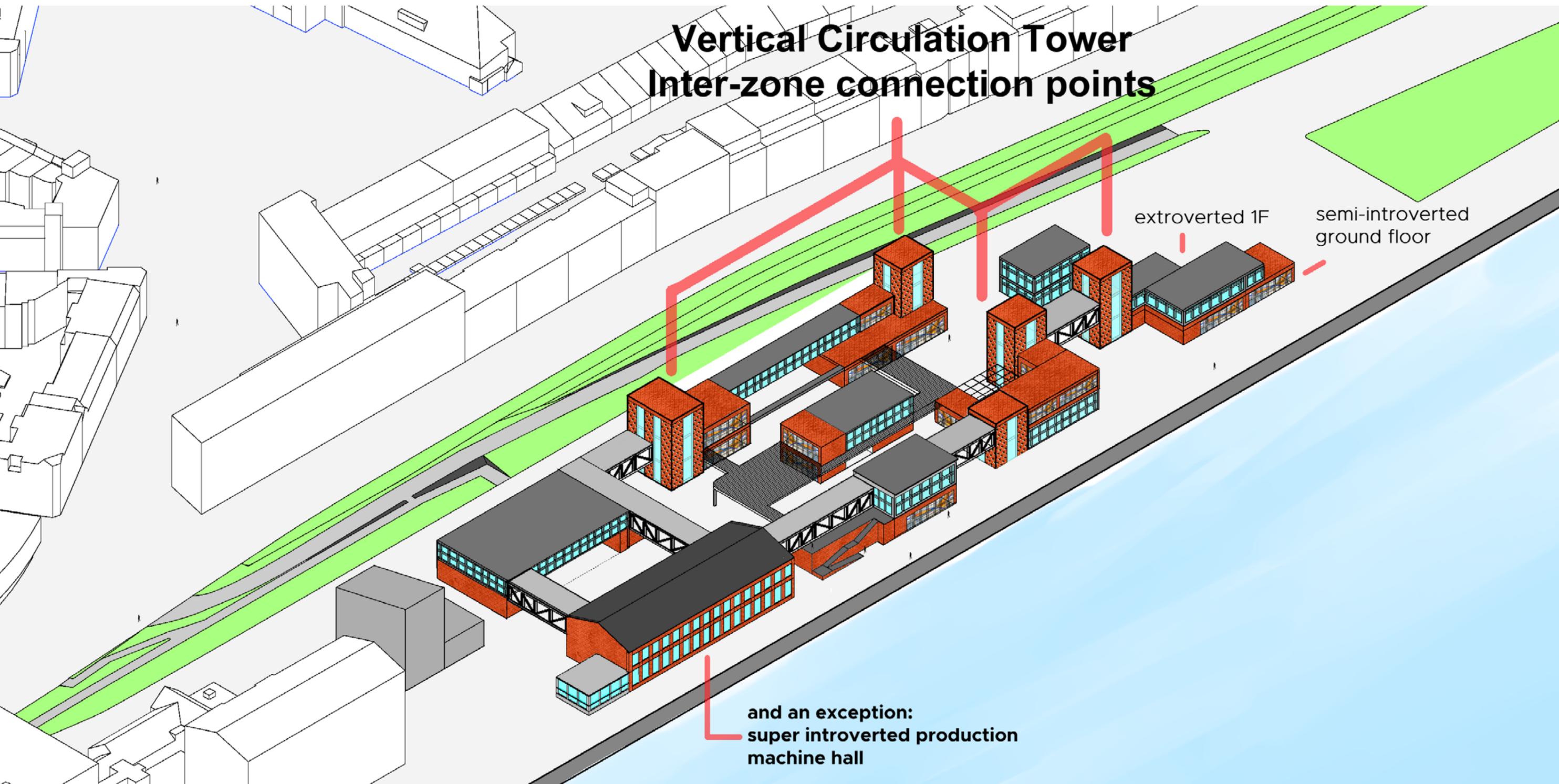
Introverted Space

2. Curtain Wall

Extroverted Space

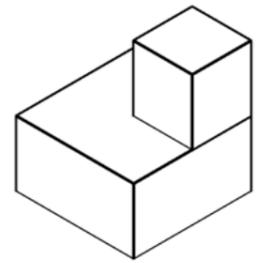
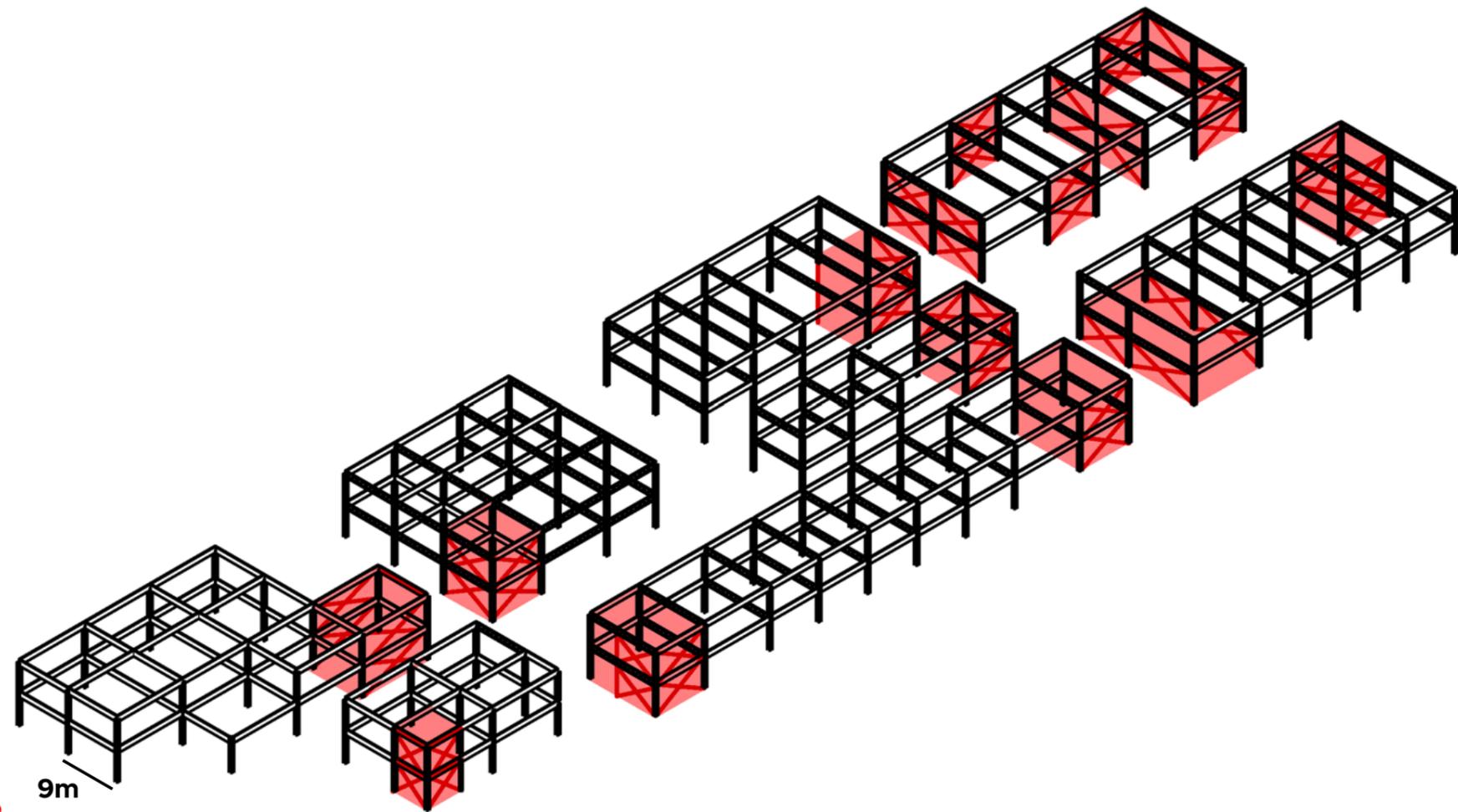
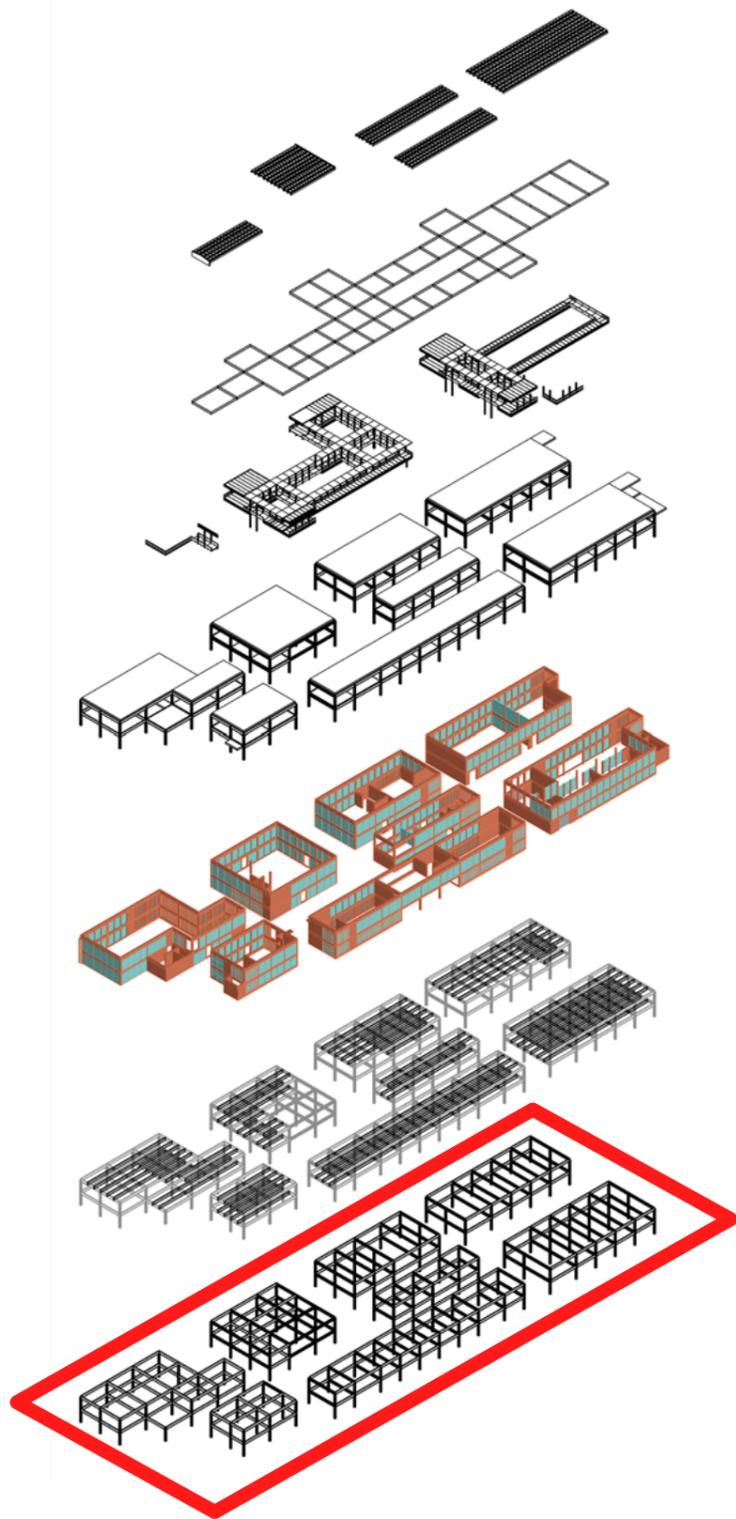
3. Steel Bridge

Circulation/Connection

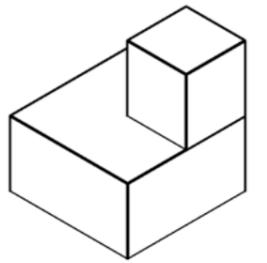
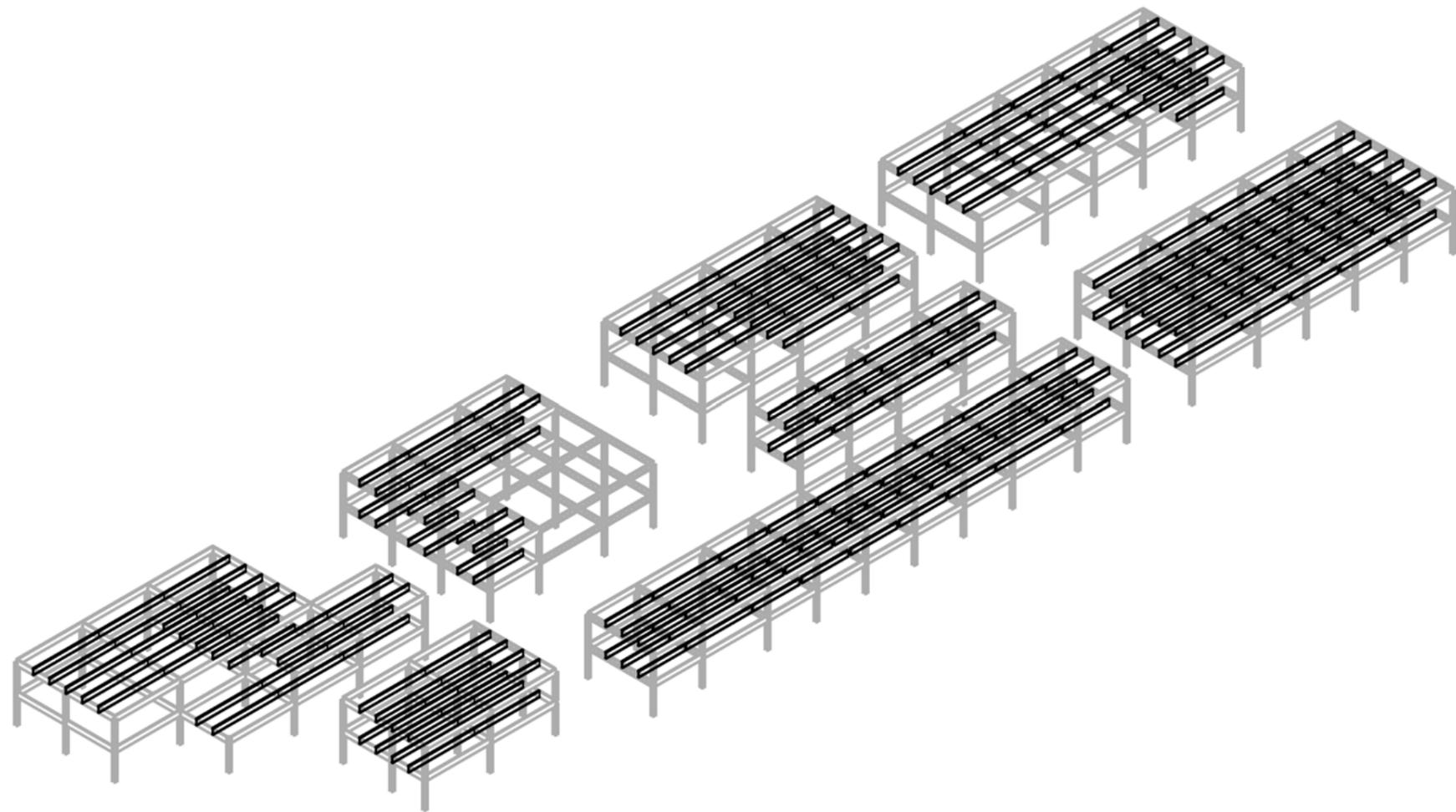
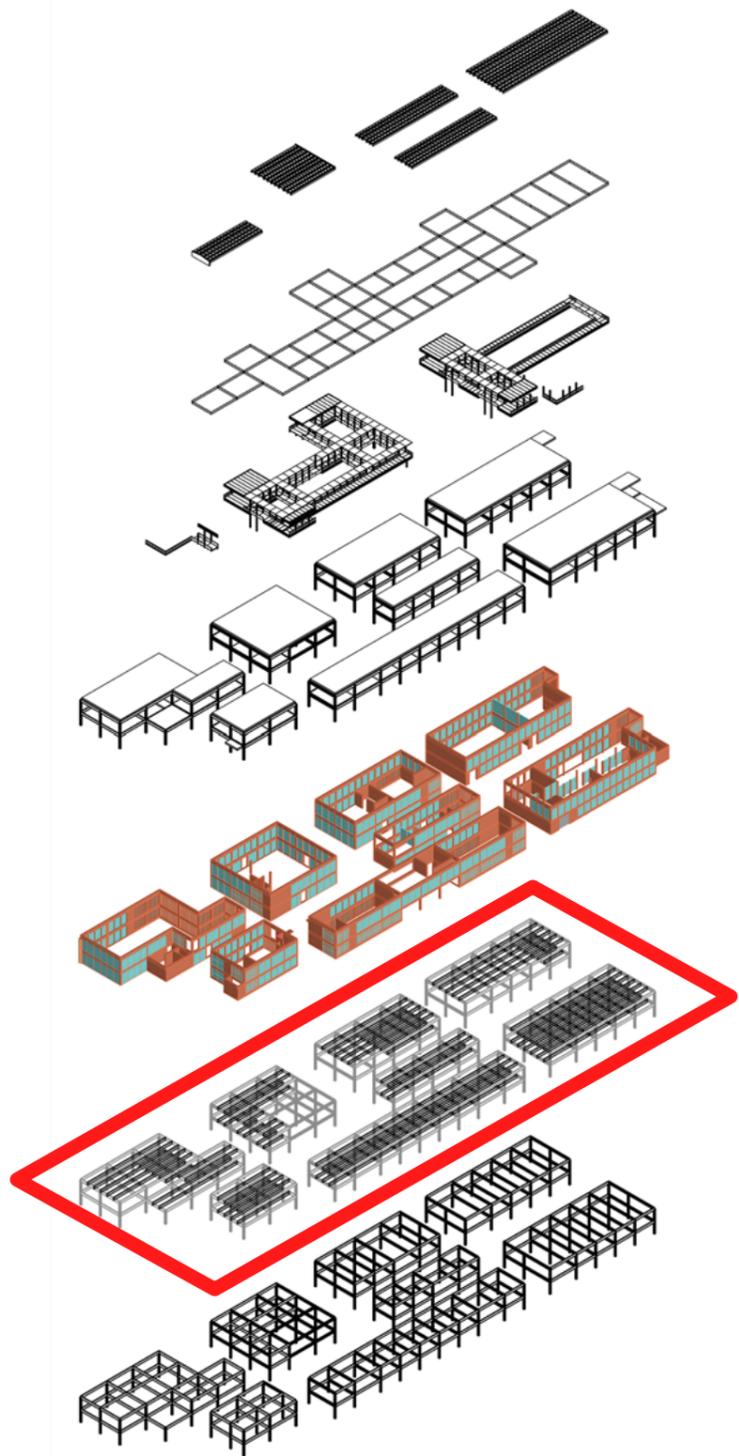


CONSTRUCTION (STRUCTURE)

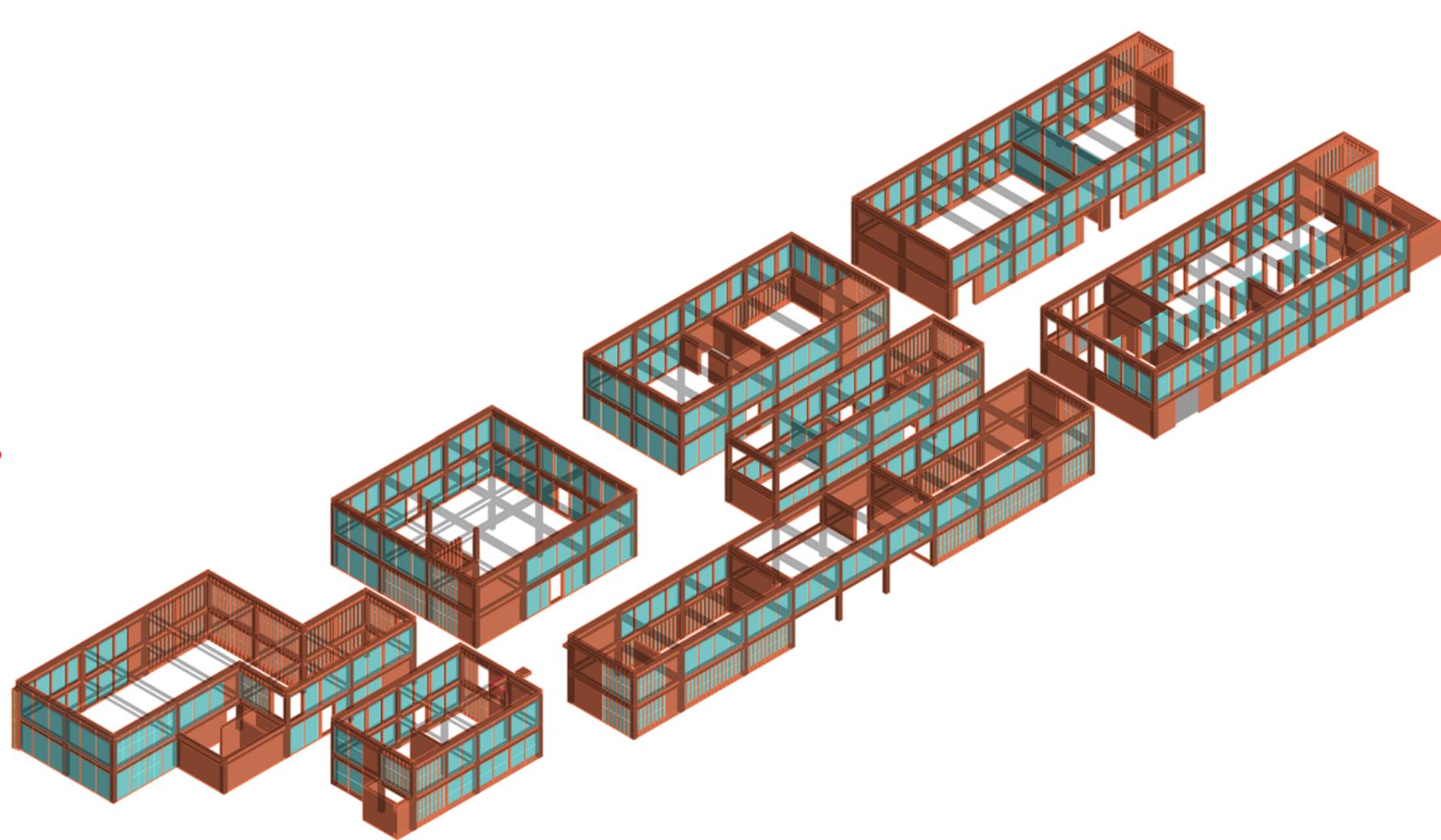
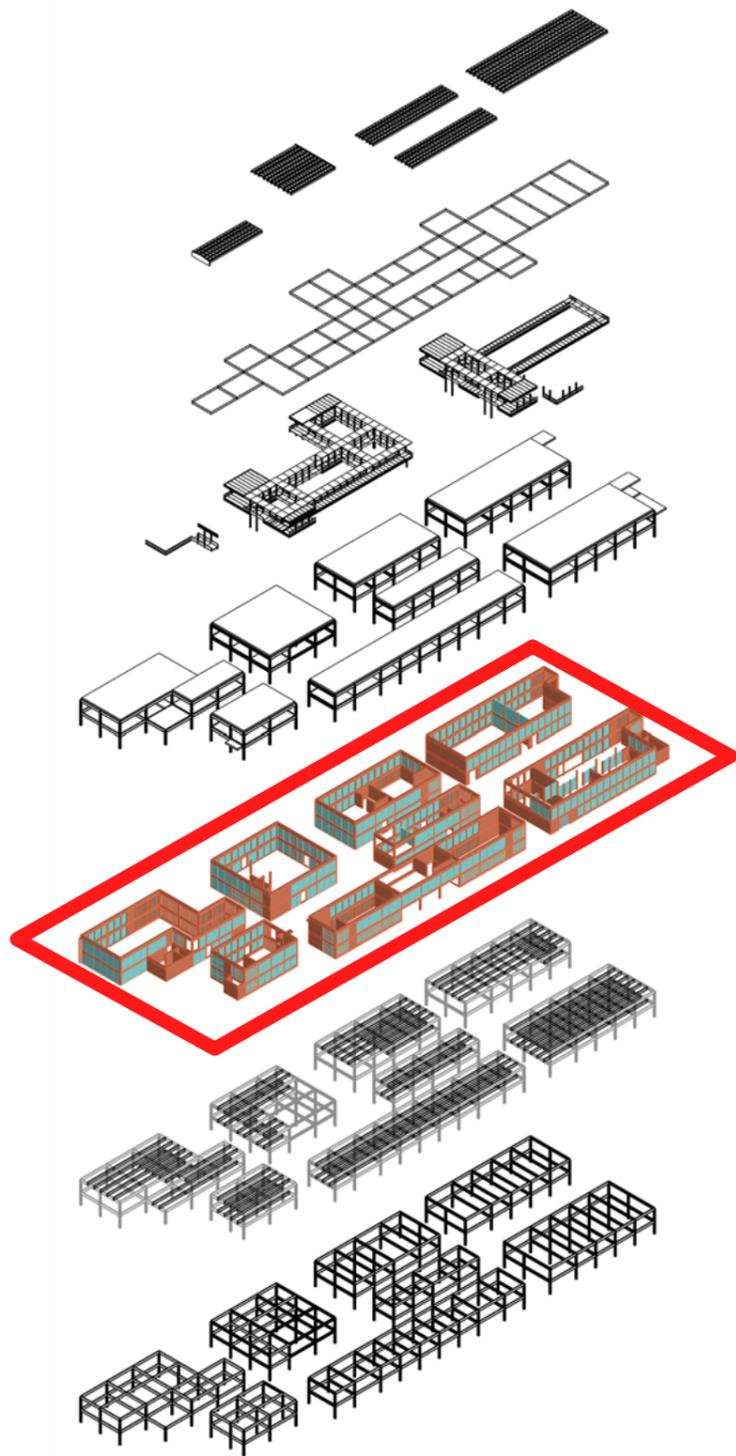
Structural Elements



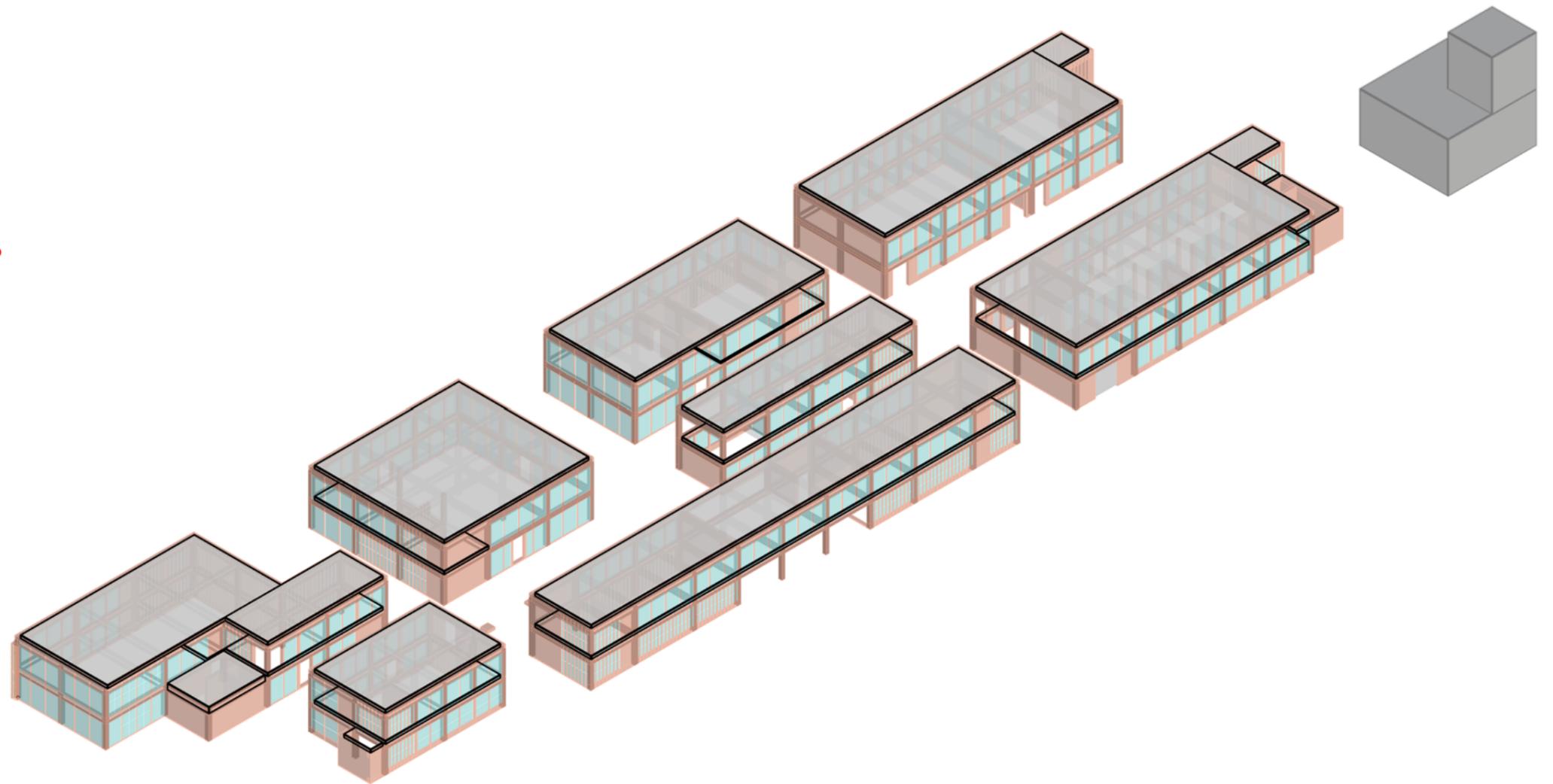
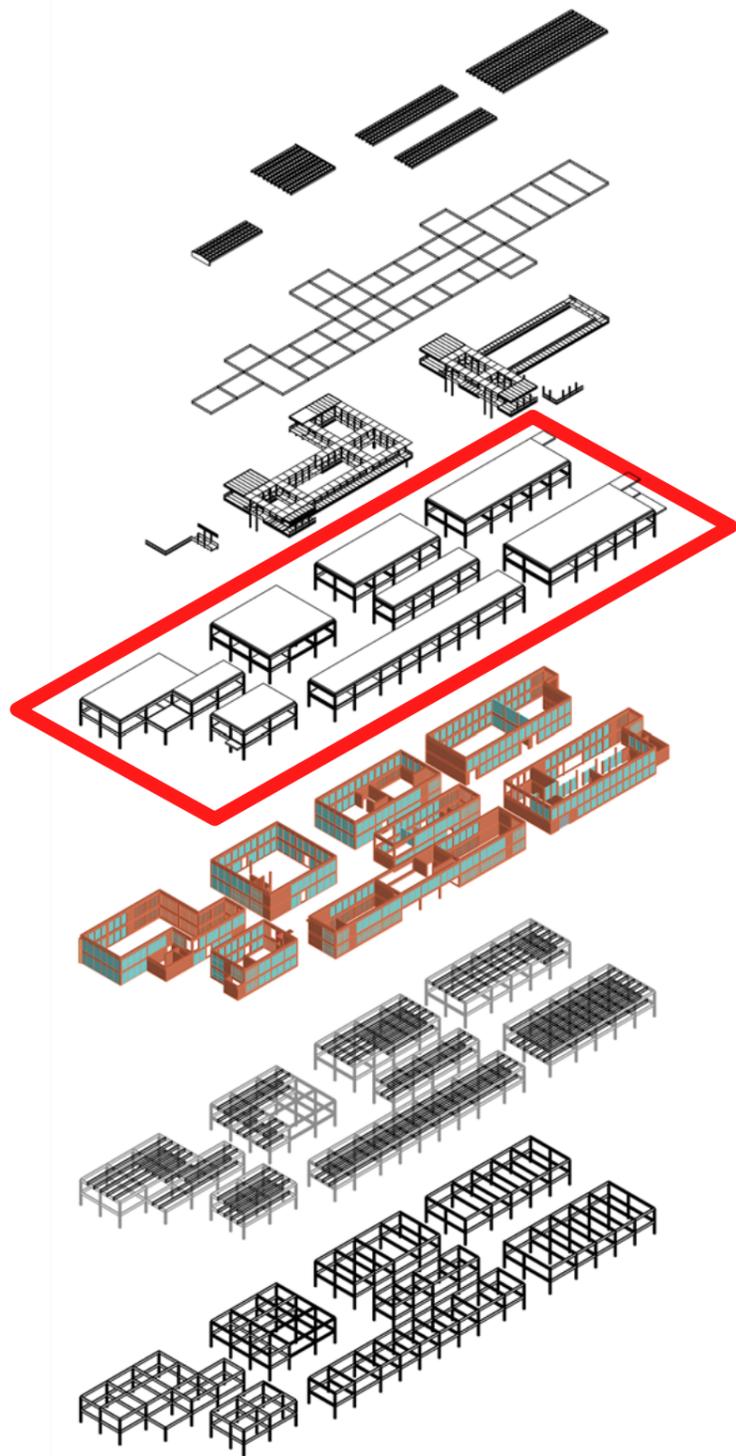
Floor Slab Span



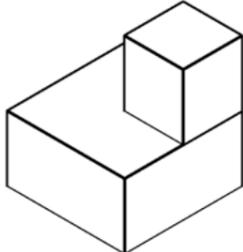
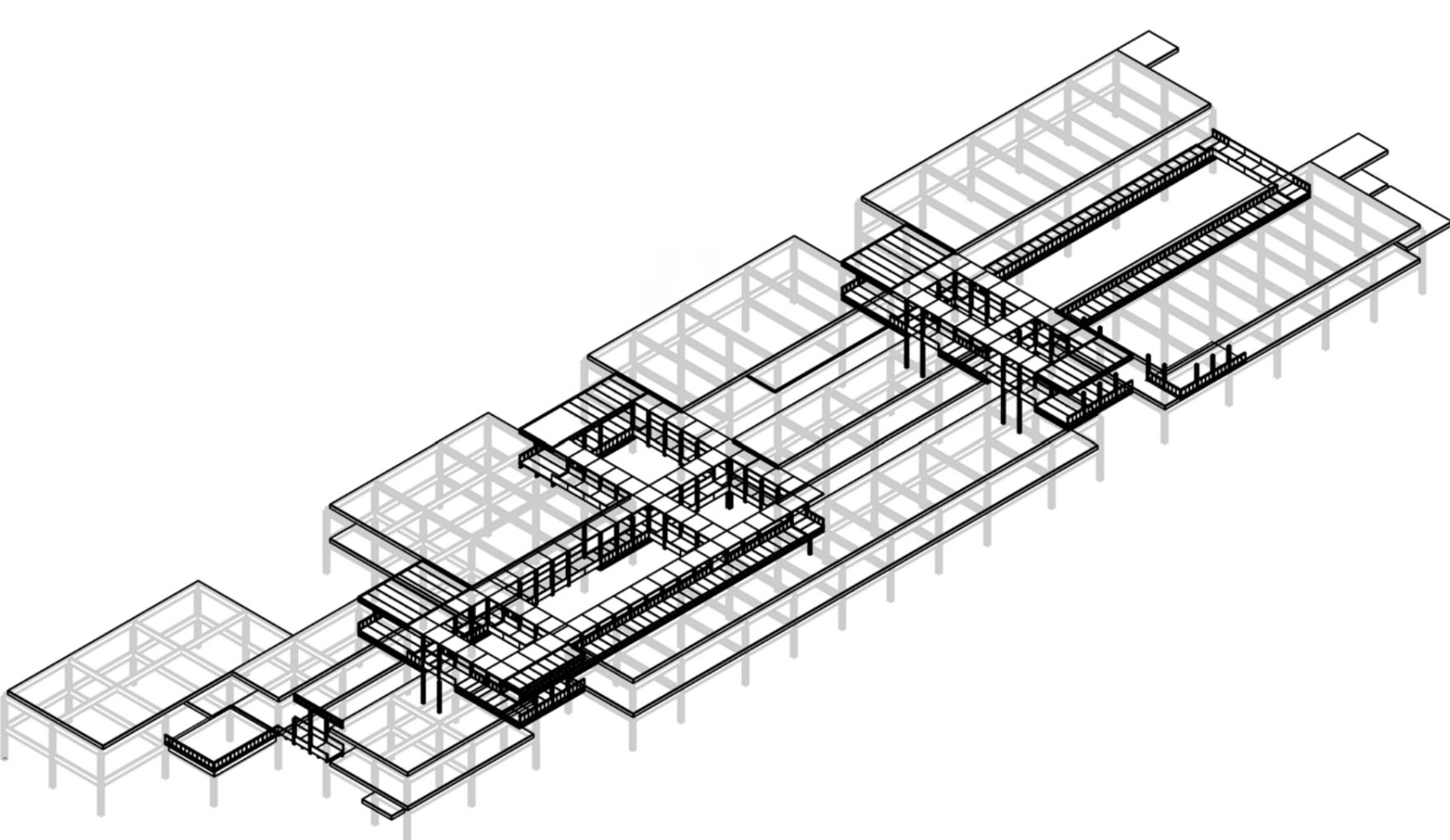
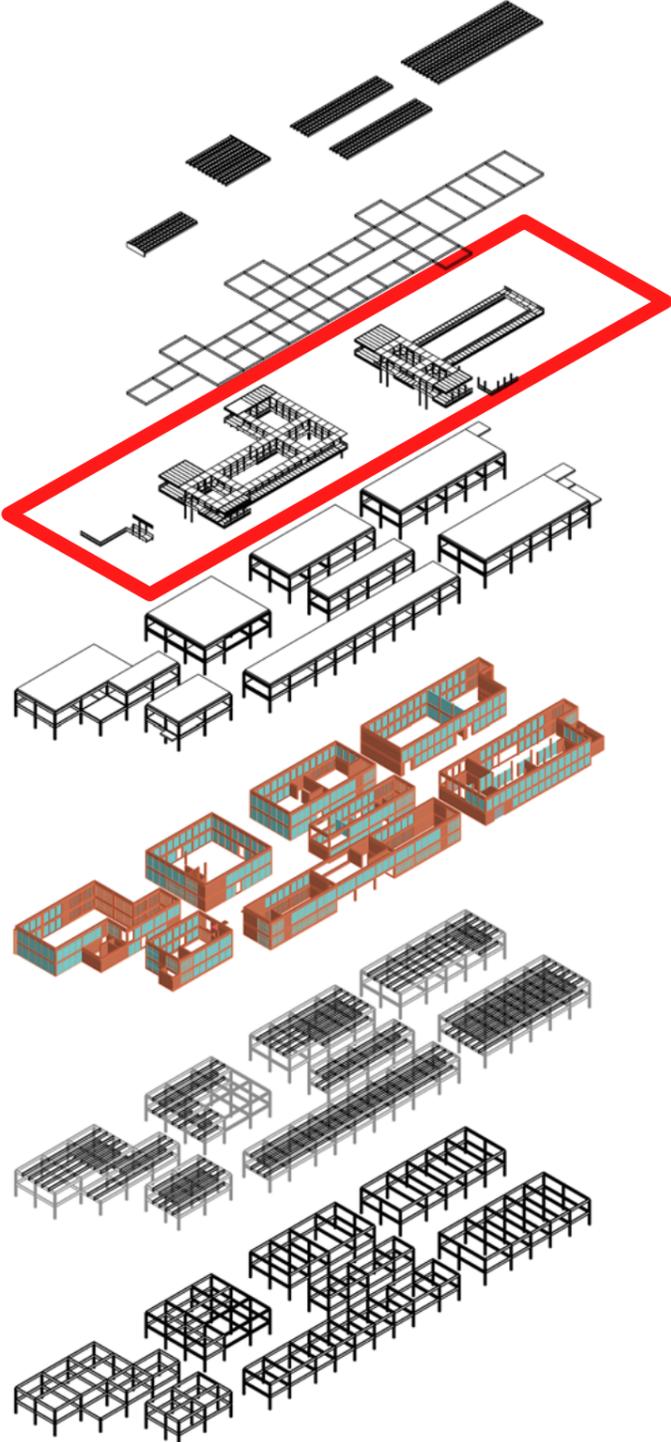
Building Envelope



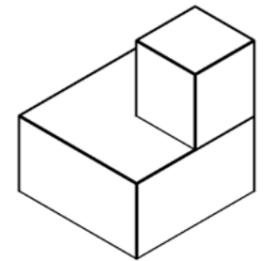
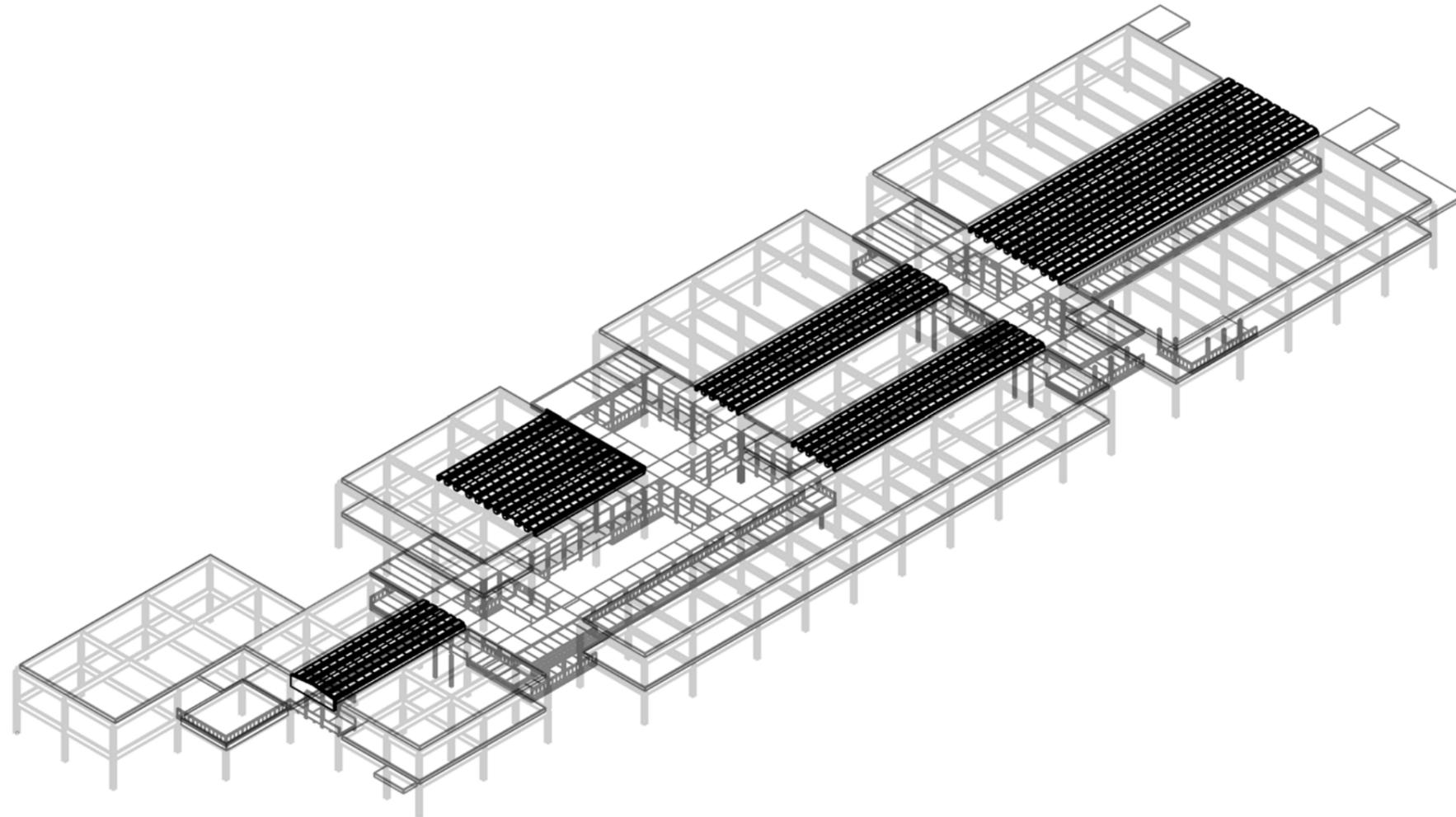
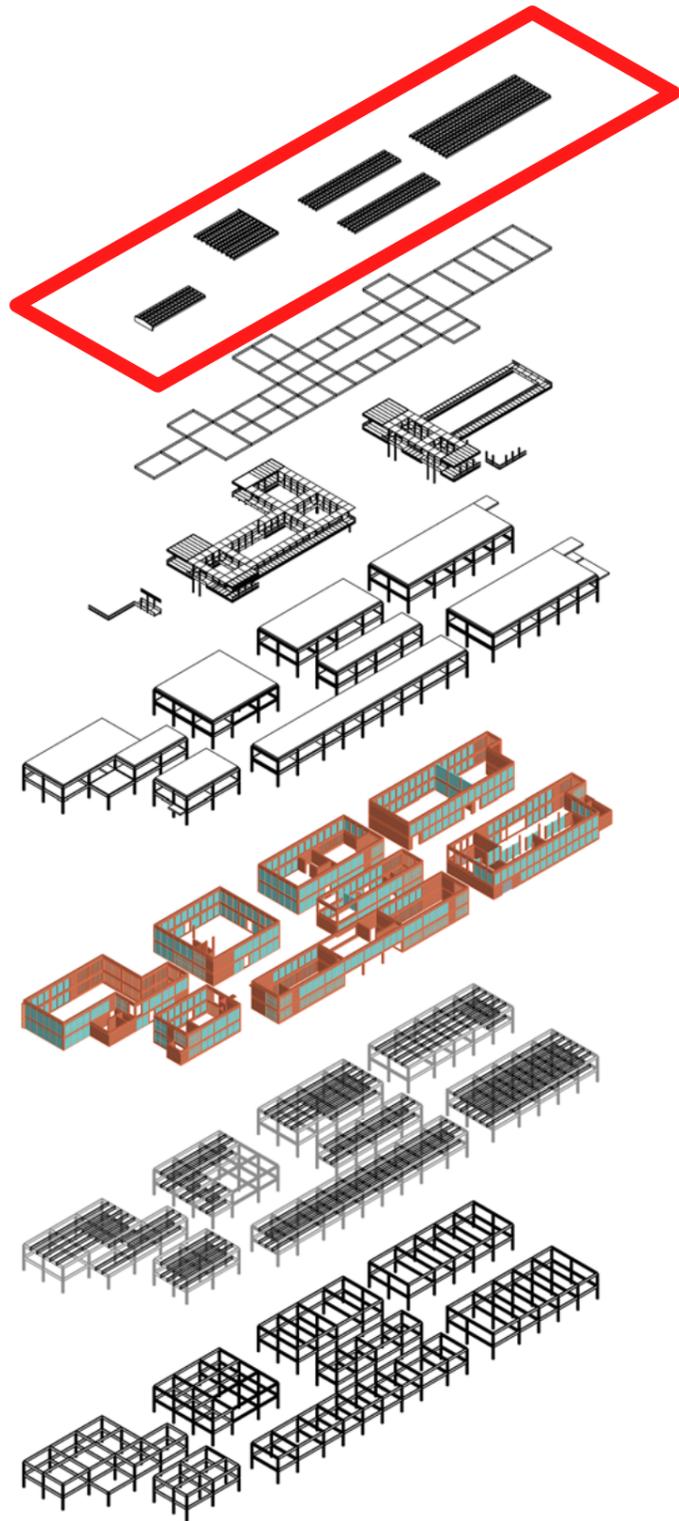
Floor & Roof Slabs



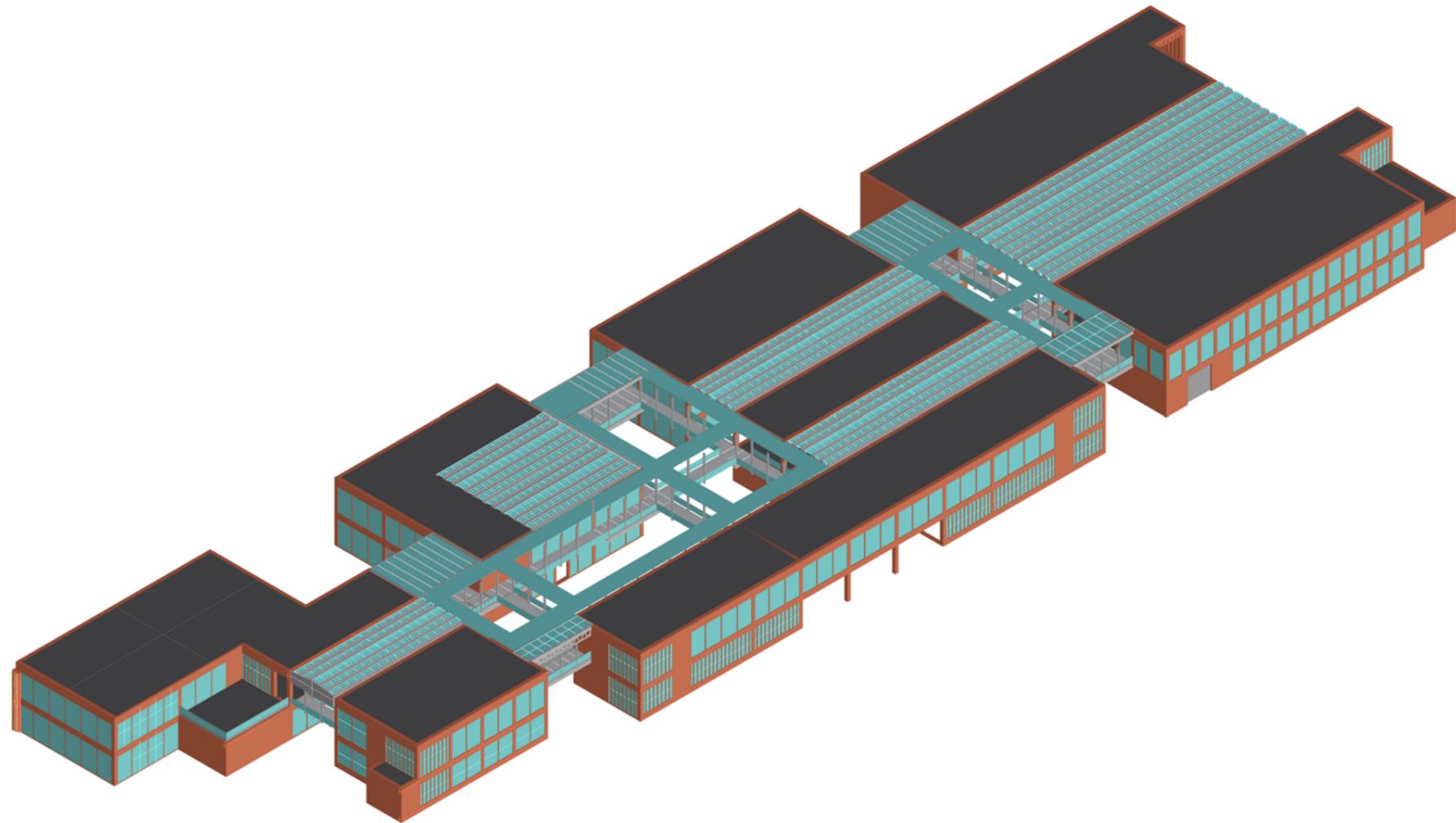
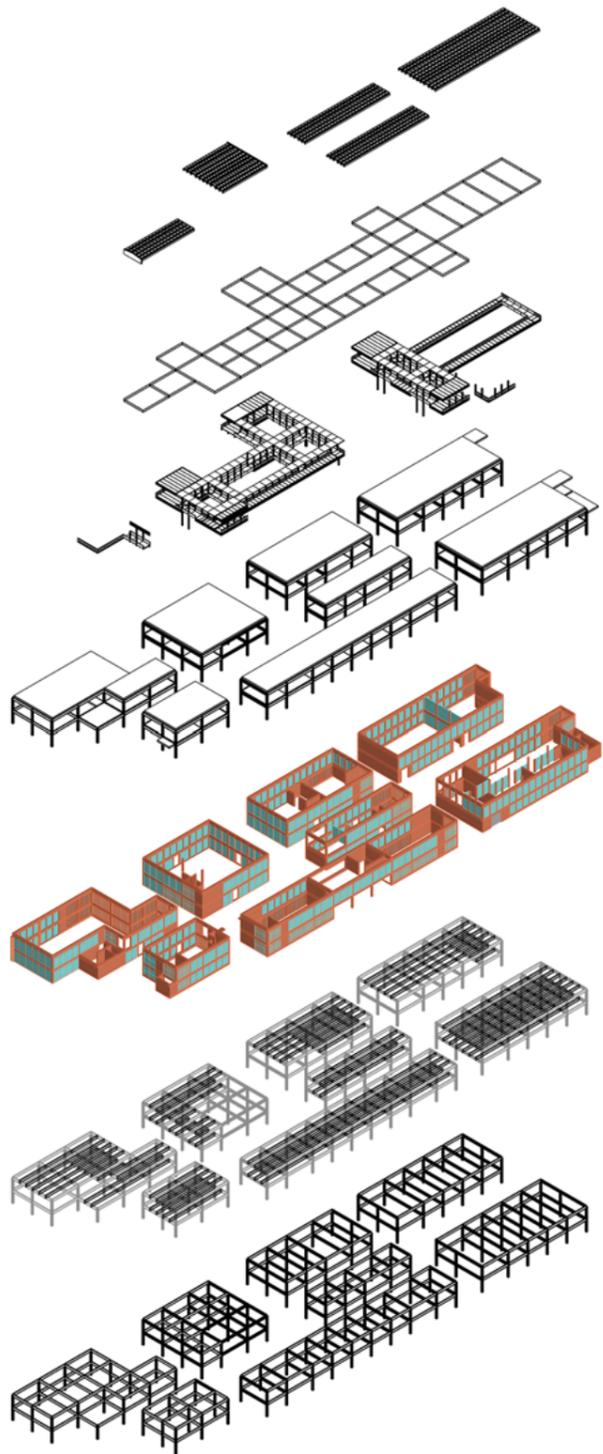
Connection Bridge



Atrium Rooflight

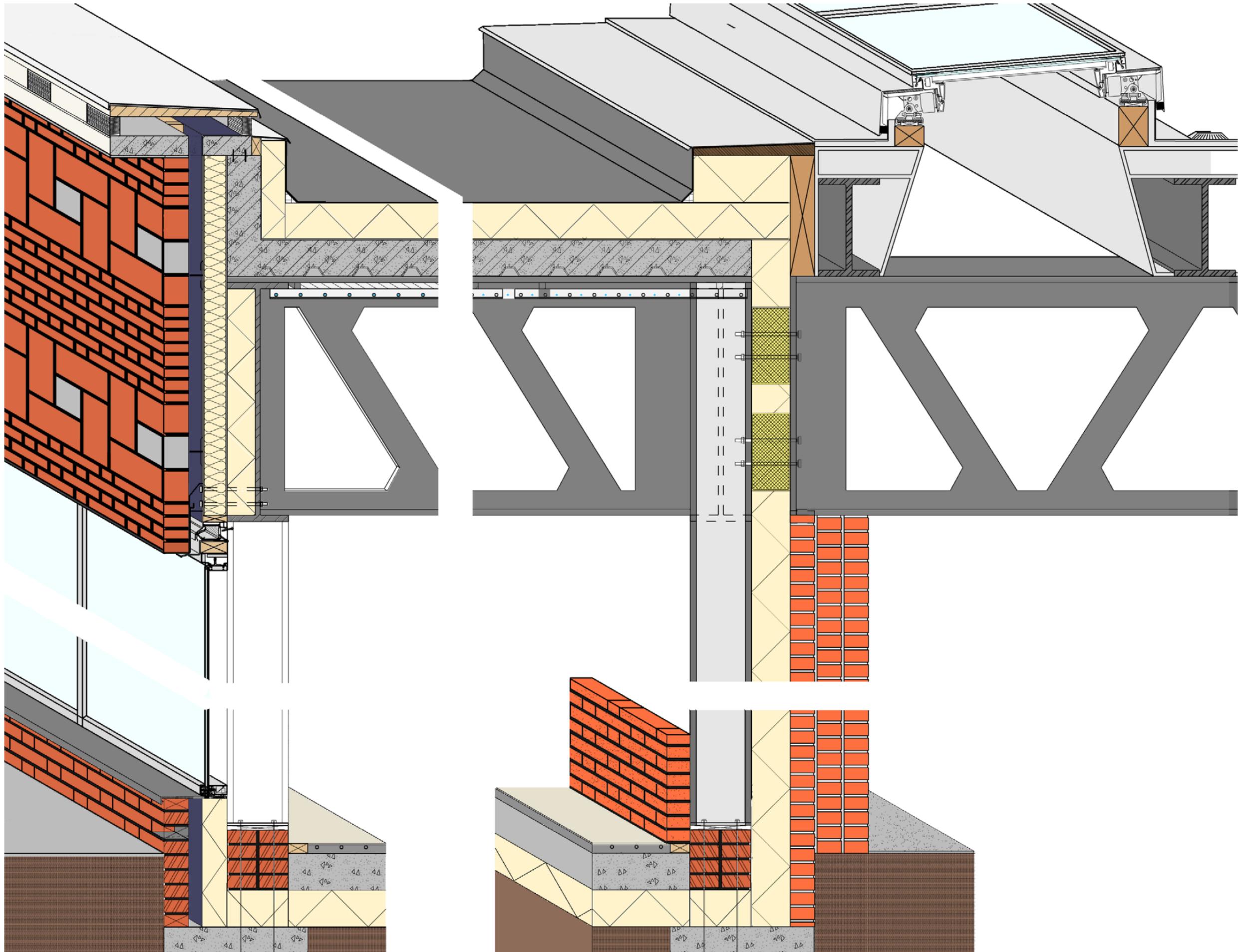


Overall Composition

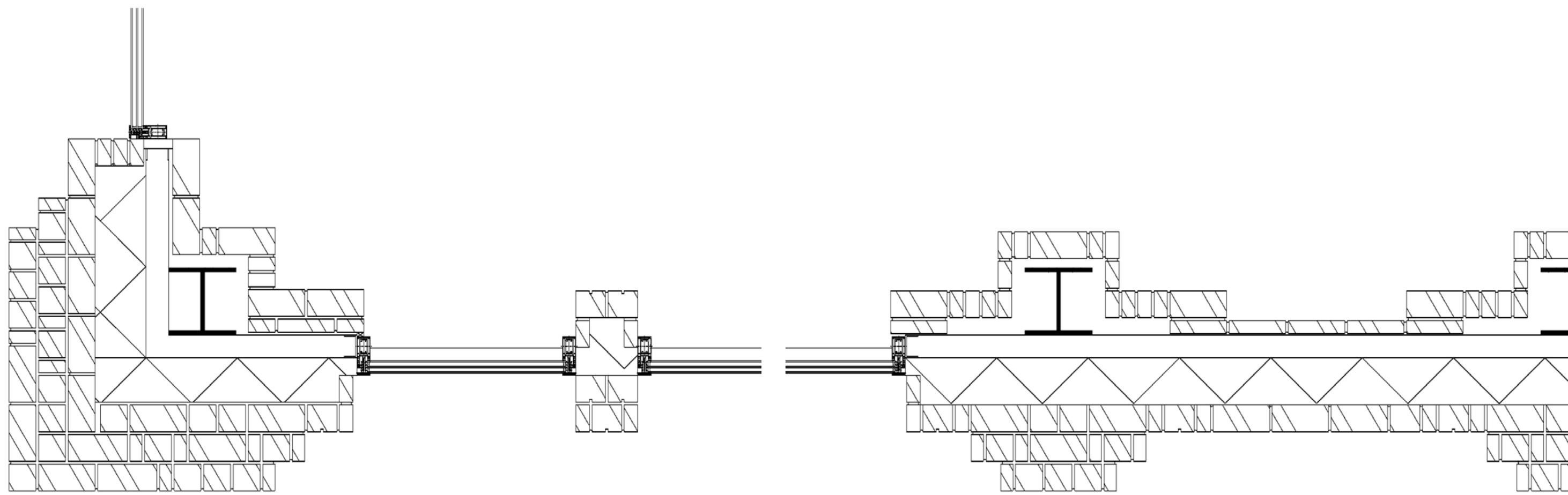


CRAFTSMANSHIP OF FACADE

1:20 facade vertical section



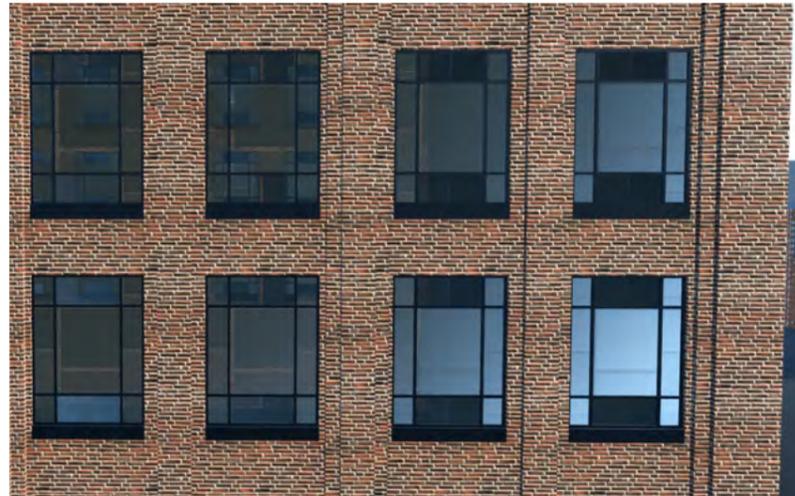
1:20 facade horizontal section



Facade study of Quaker Oats Rotterdam



1m 3m



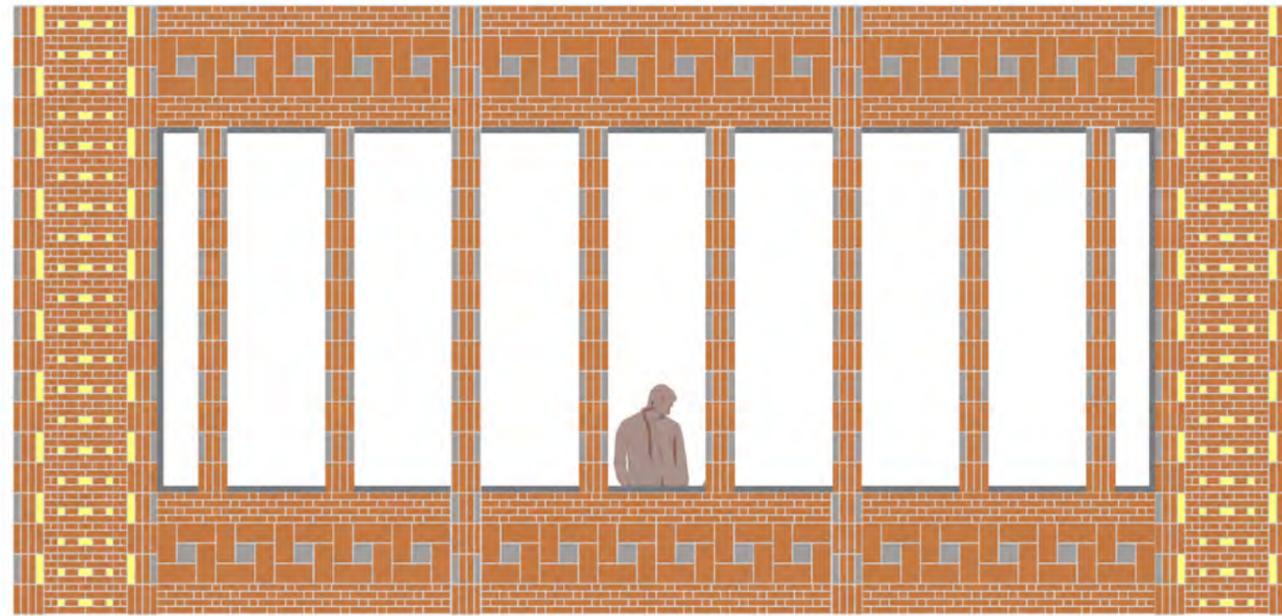
→ contoured column



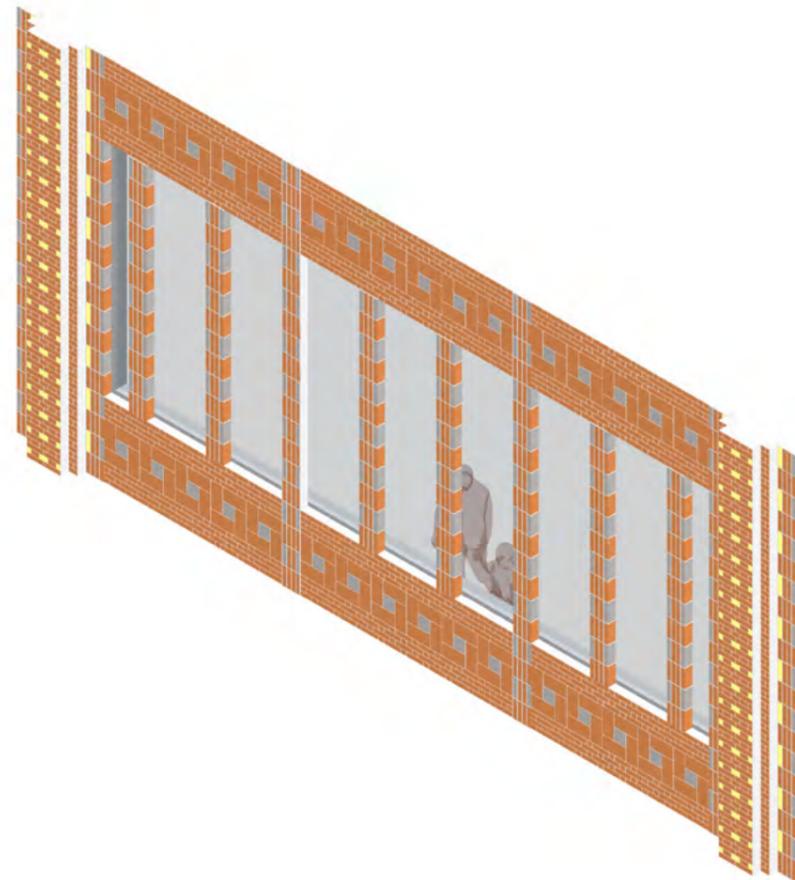
→ roofscape contrast

→ colour variation

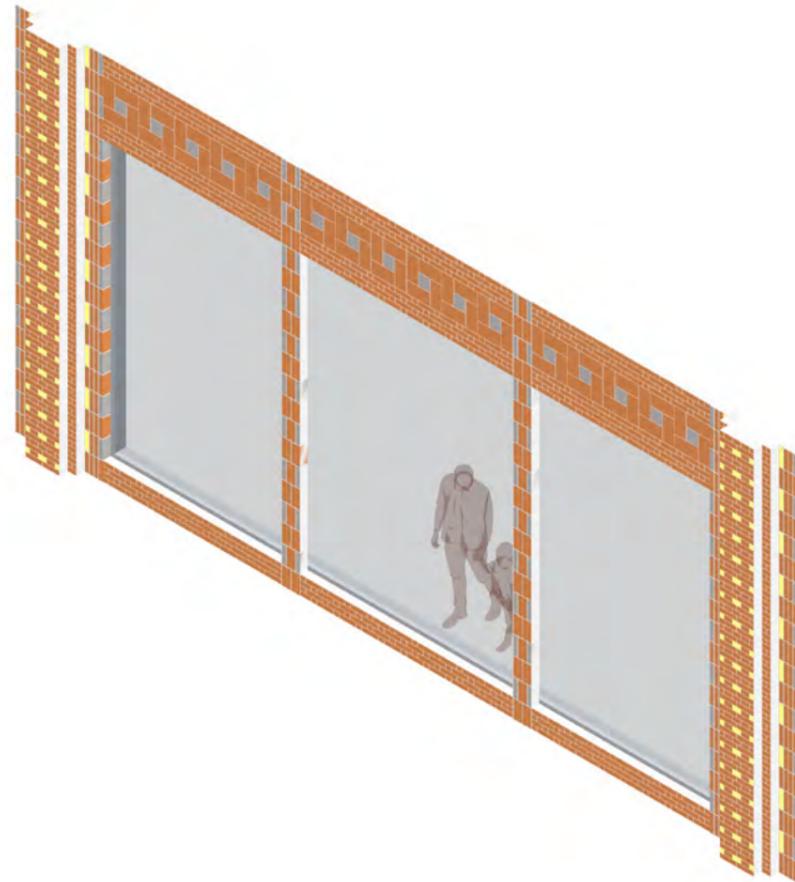
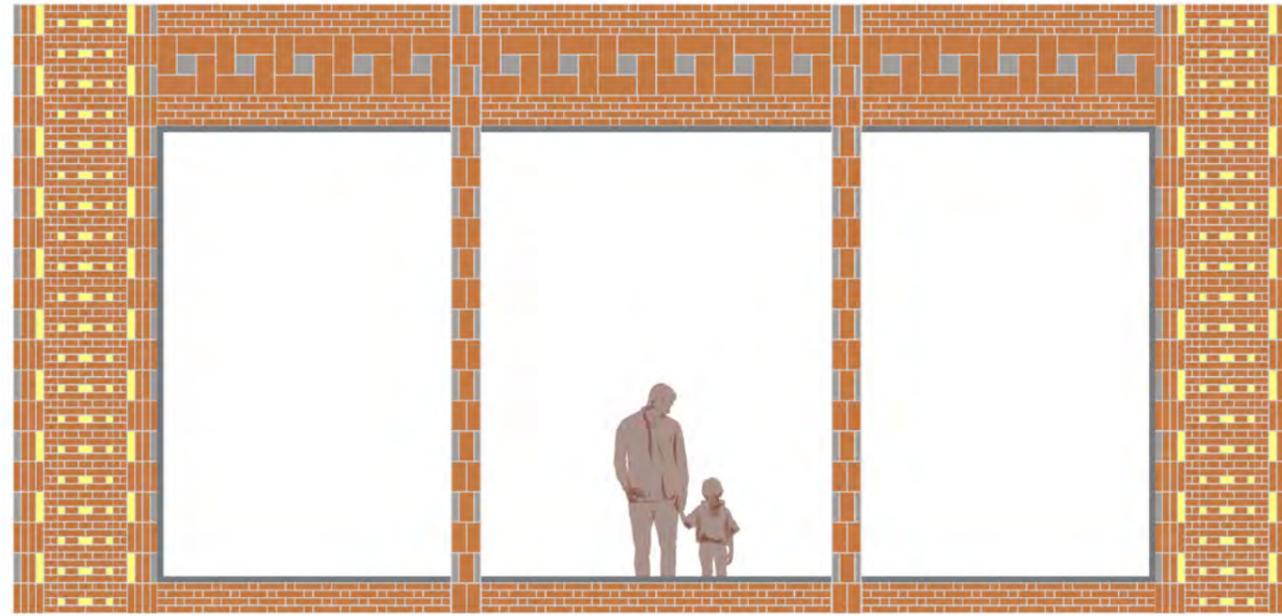
Facade study 1: Introverted space (dense brick elements)



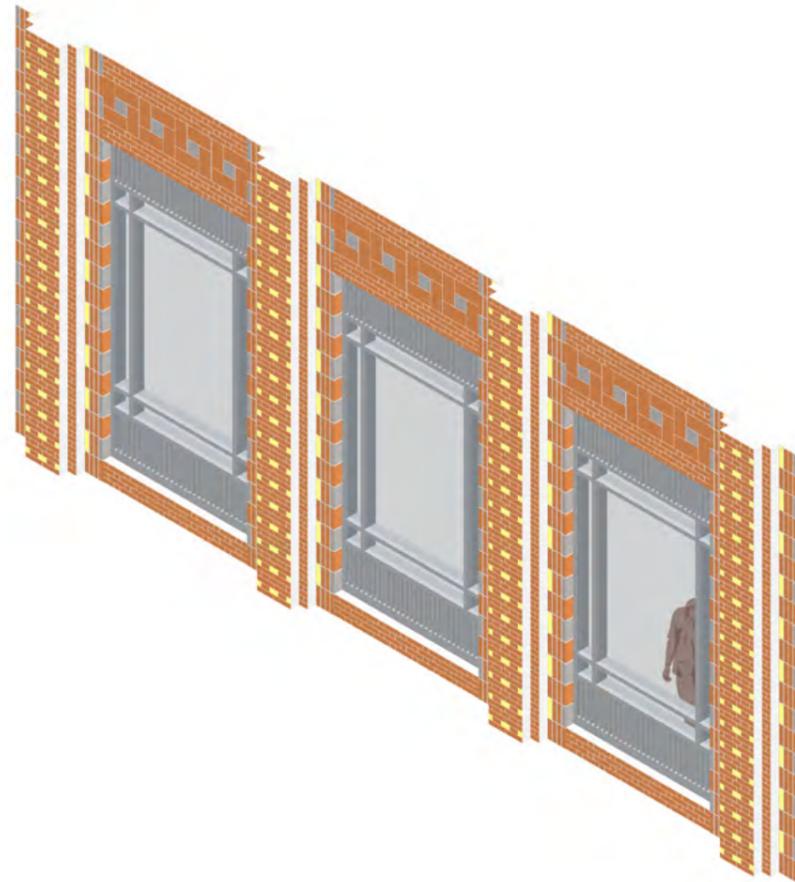
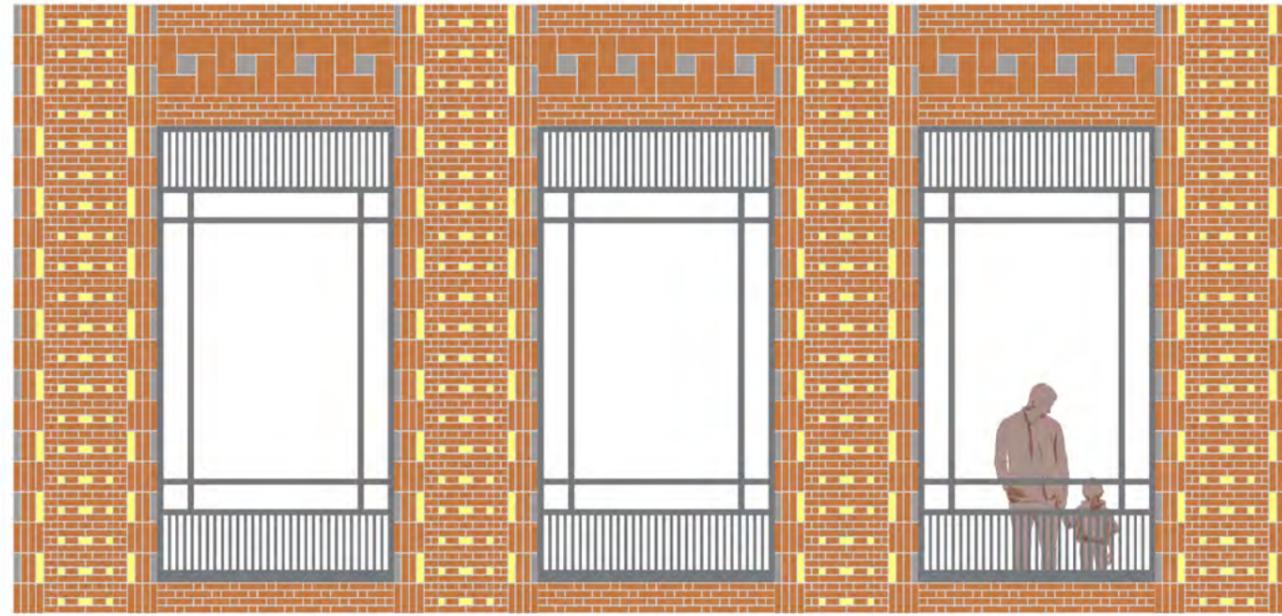
structural column (9m)
sub-column (3m)
window sub-division (1m)

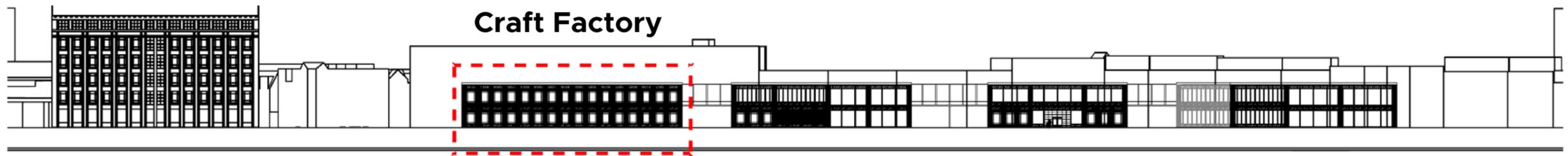


Facade study 2: Extroverted space (curtain wall)



Facade study 3a: Ambiverted space

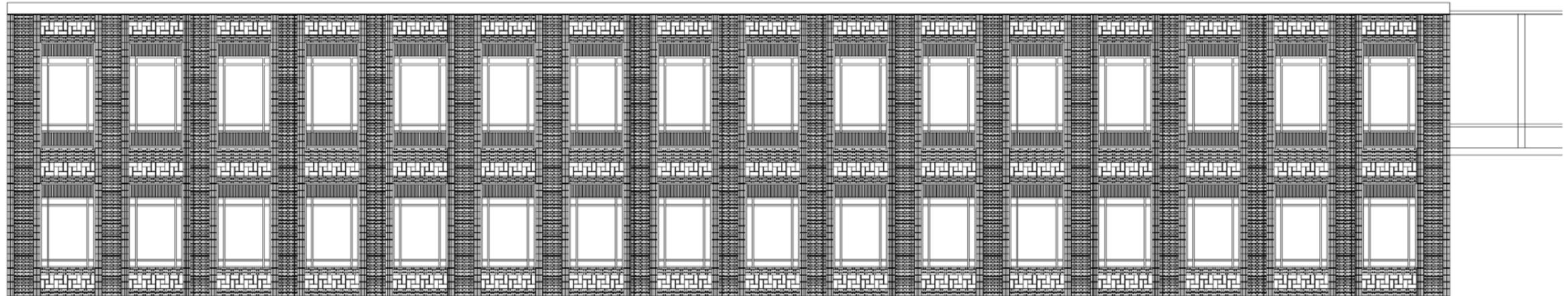


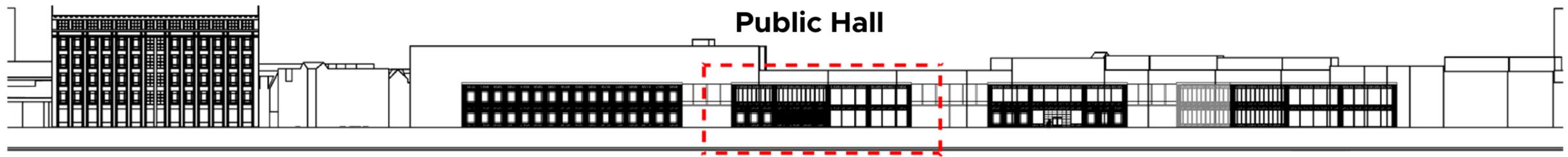


Craft Factory

wood-& metalcrafts studio

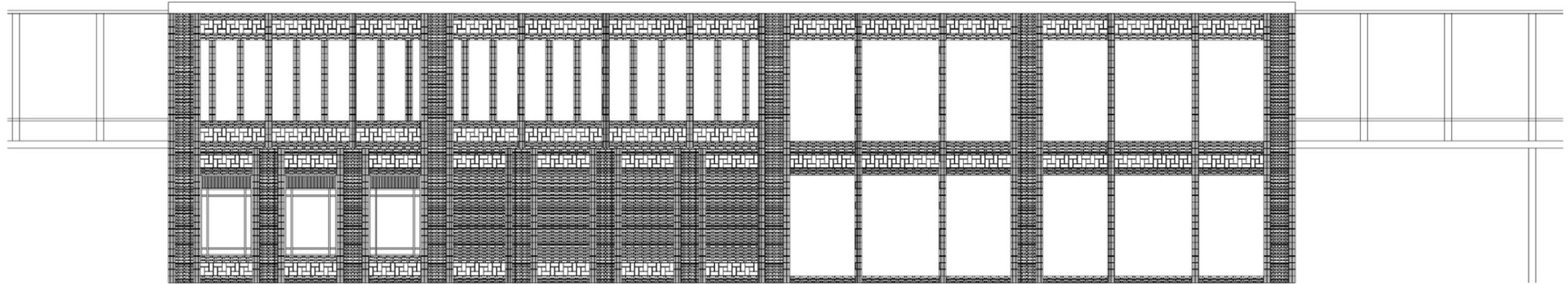
production machine hall

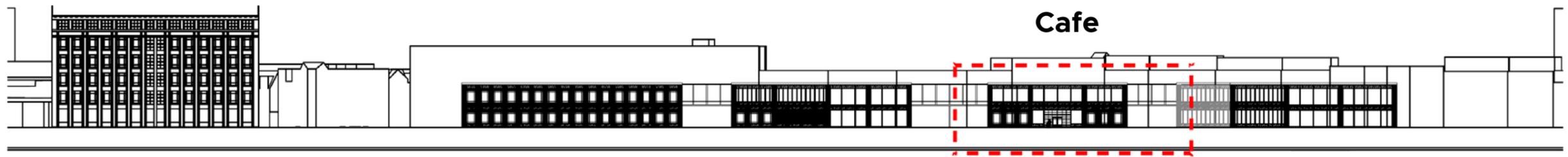




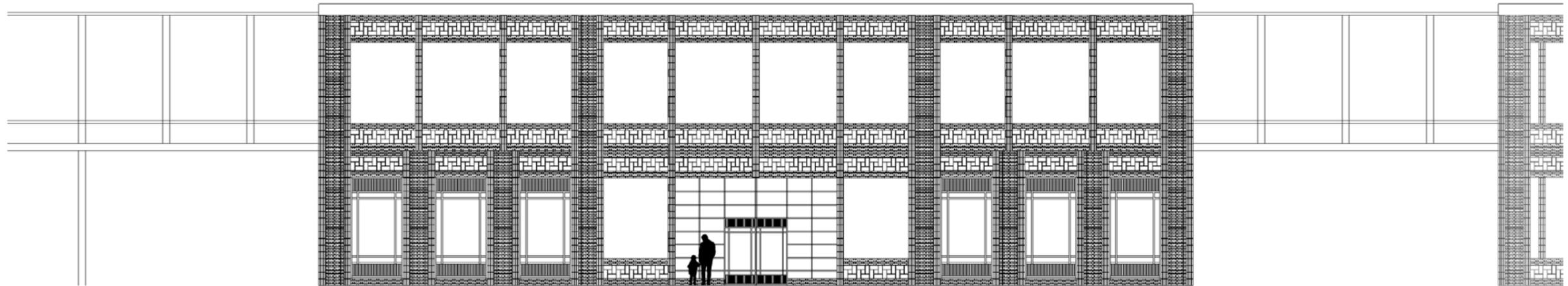
exhibition hall
lecture hall

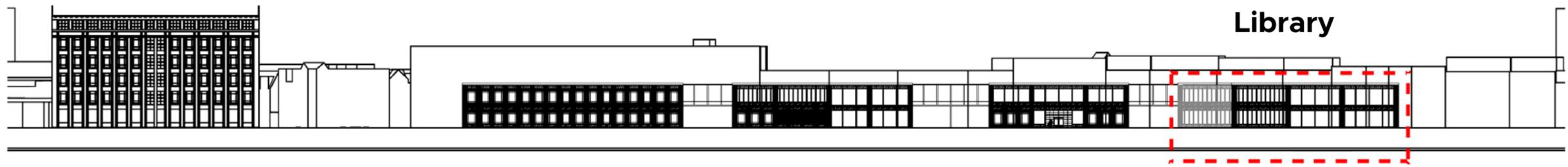
community
centre





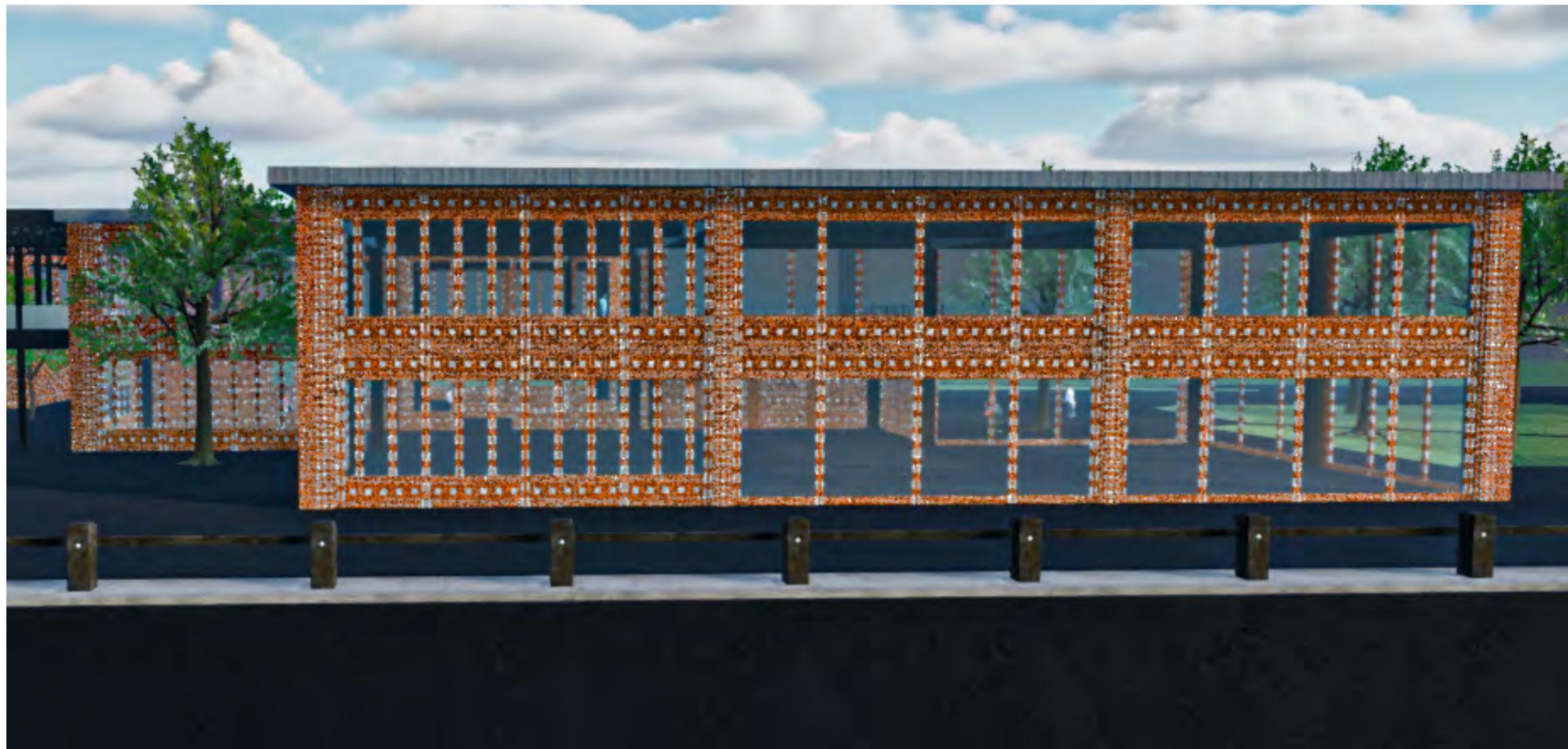
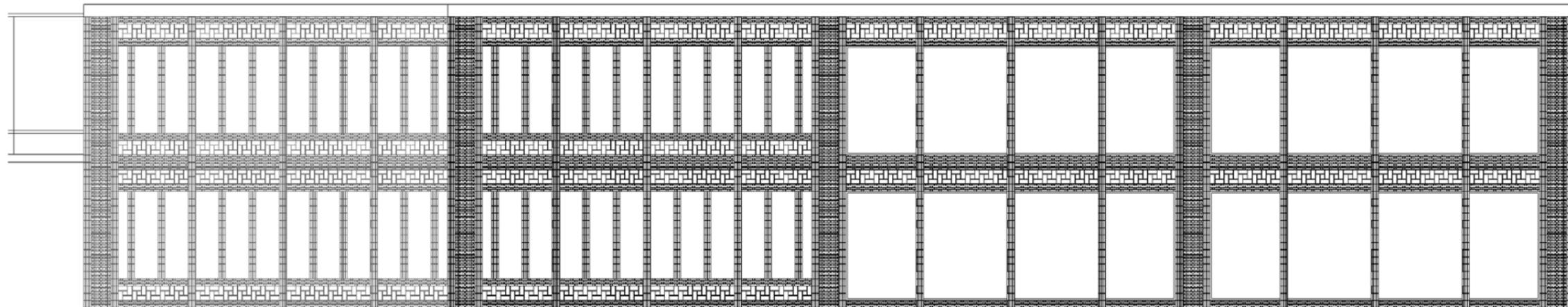
waterfront viewing cafe seats





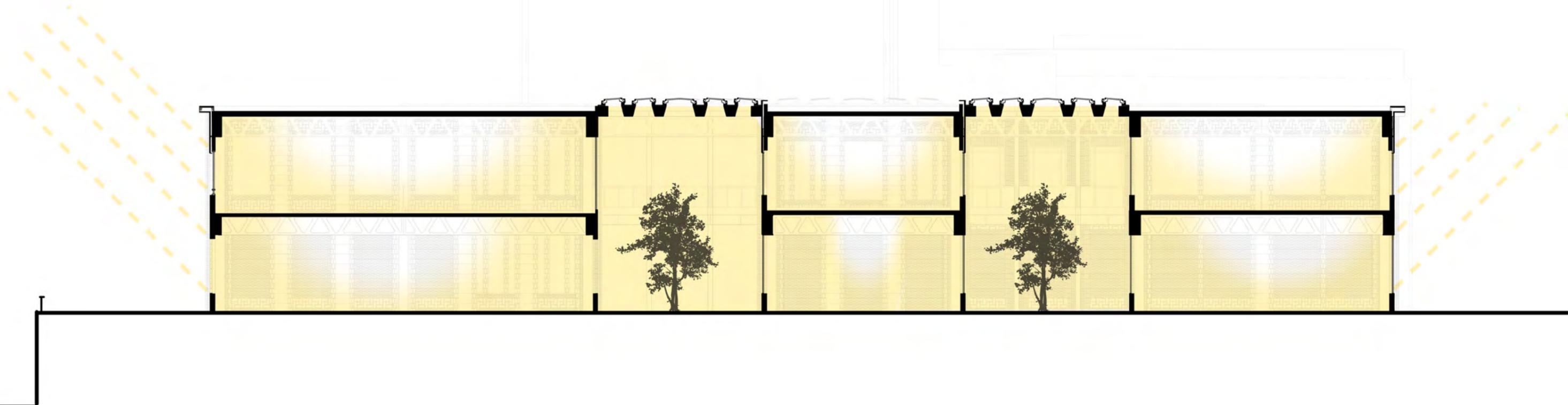
Bookshelves

Reading space / Lounge

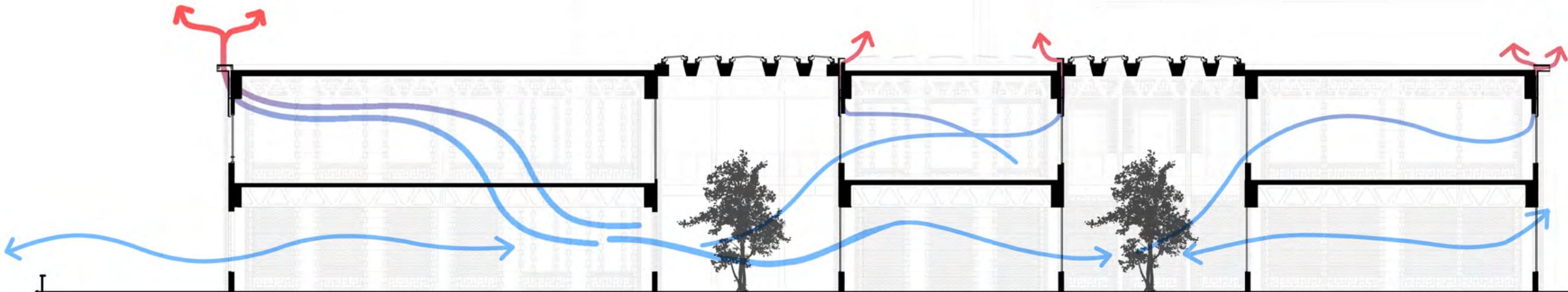


CLIMATE

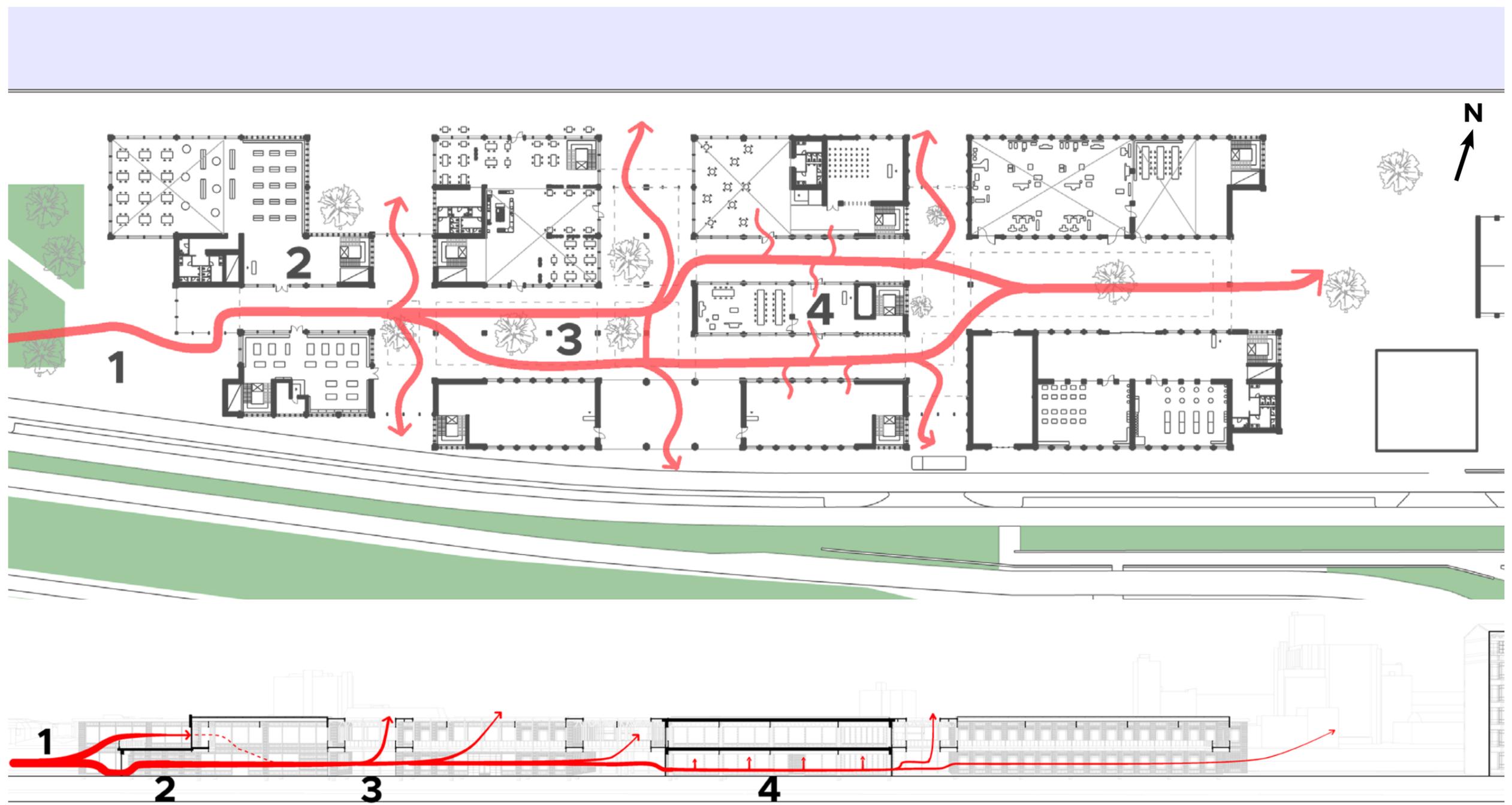
**Natural daylight via
atrium rooflight & curtain wall**



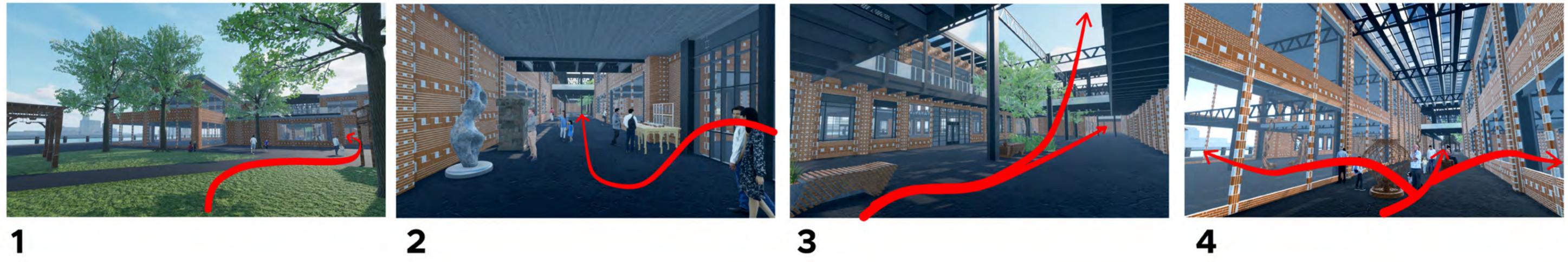
**Natural Ventilation via
Atrium as GreenLung**



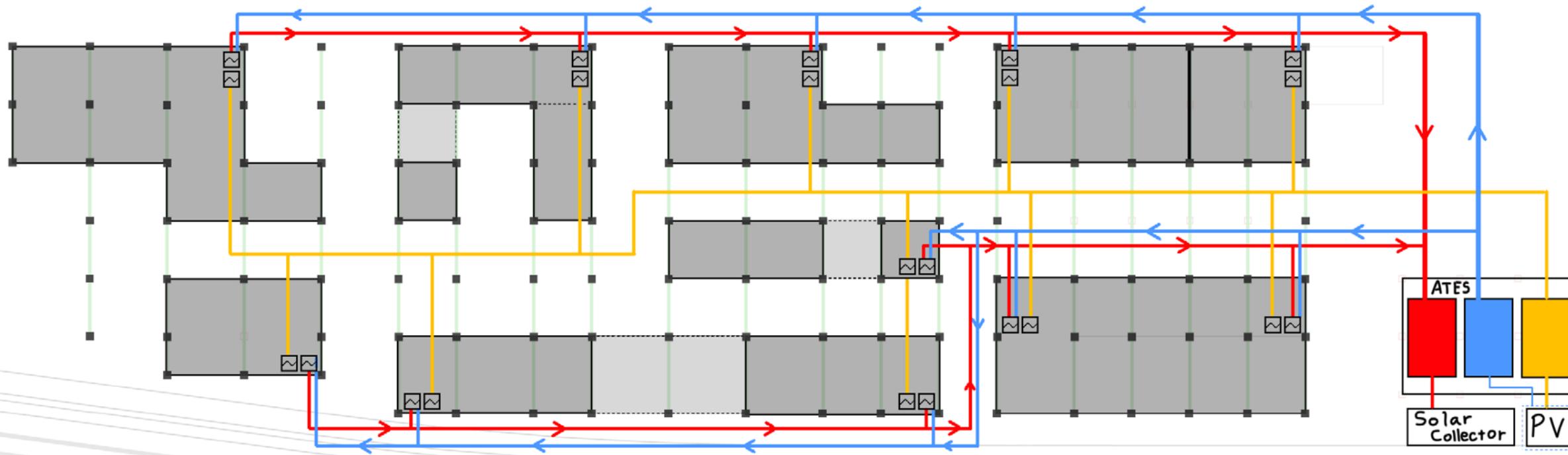
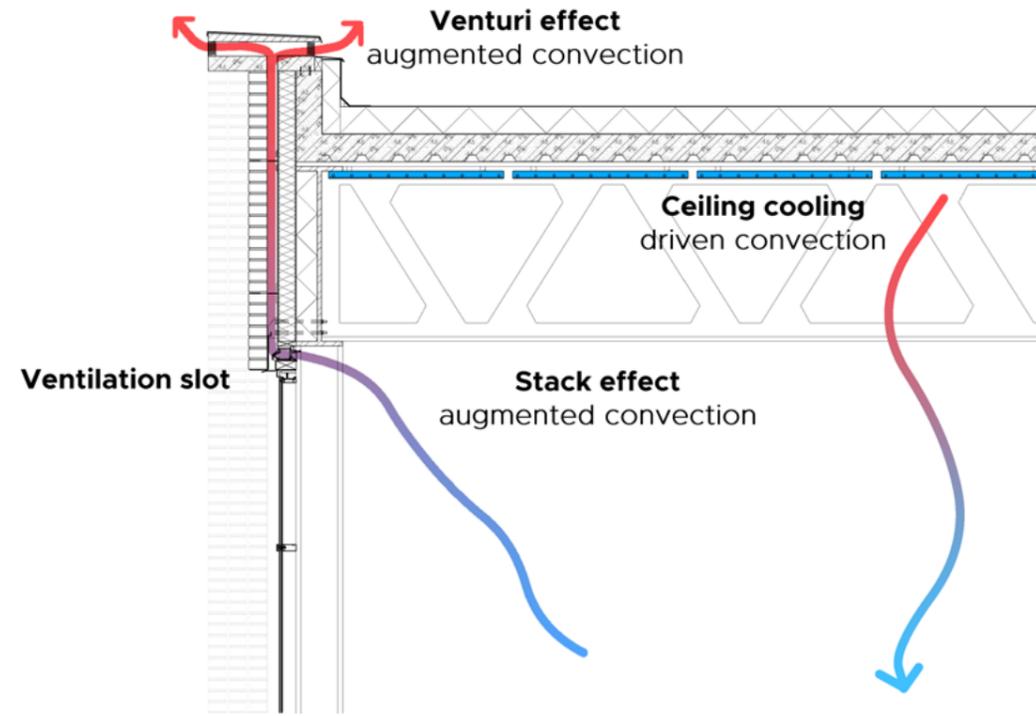
1:1000 Plan & Long Section



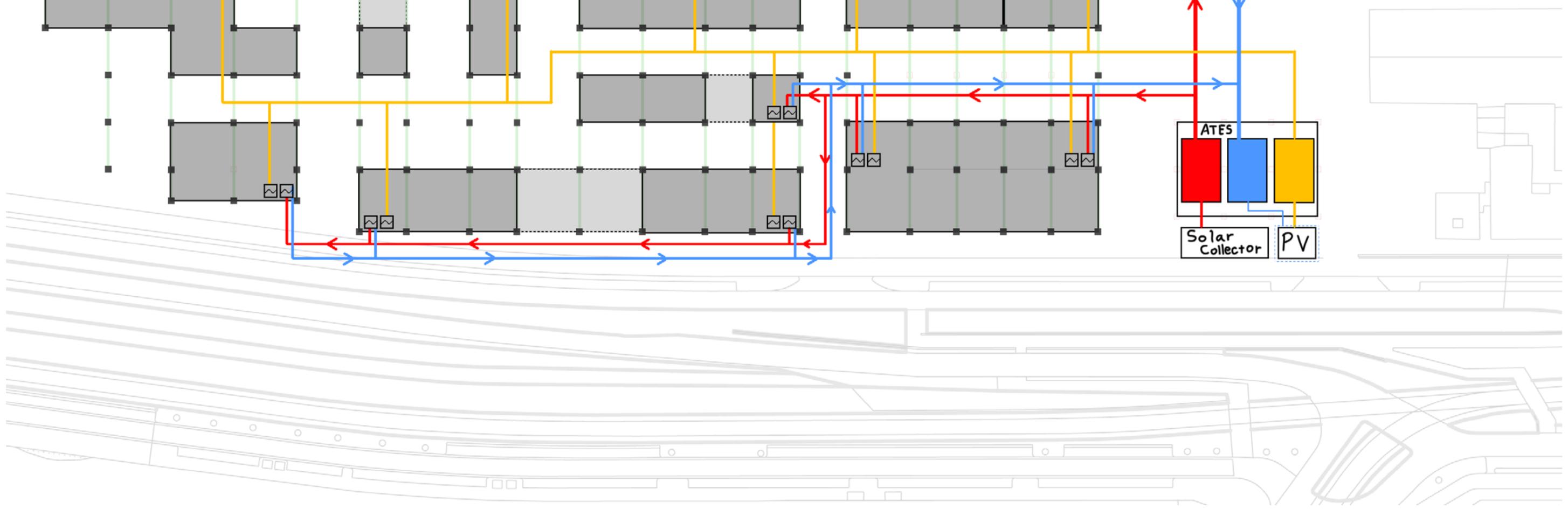
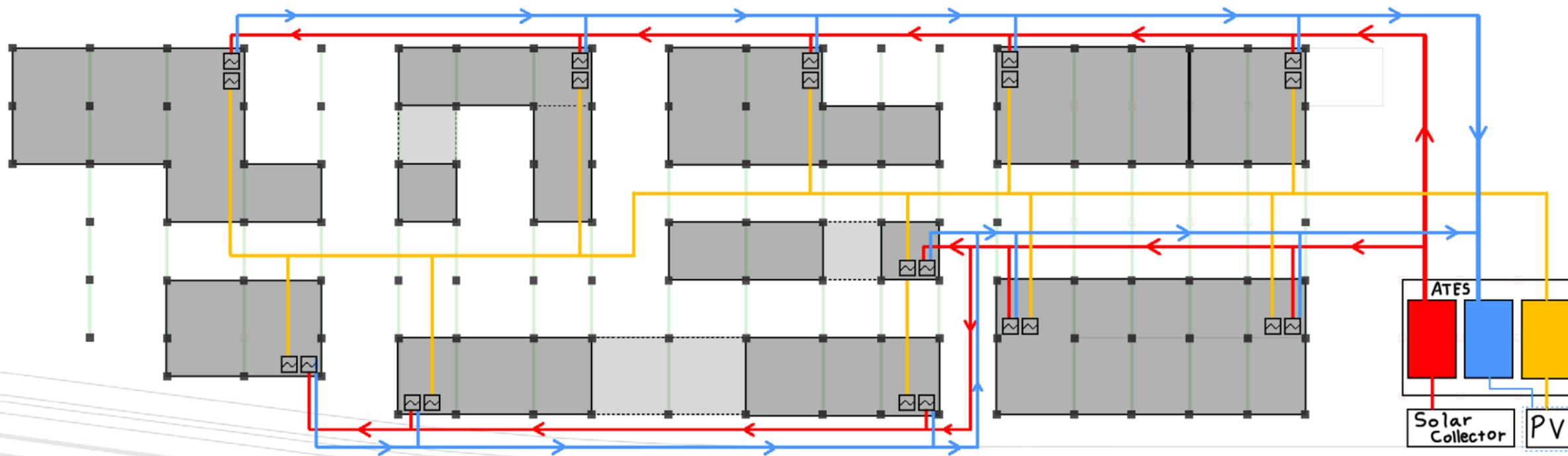
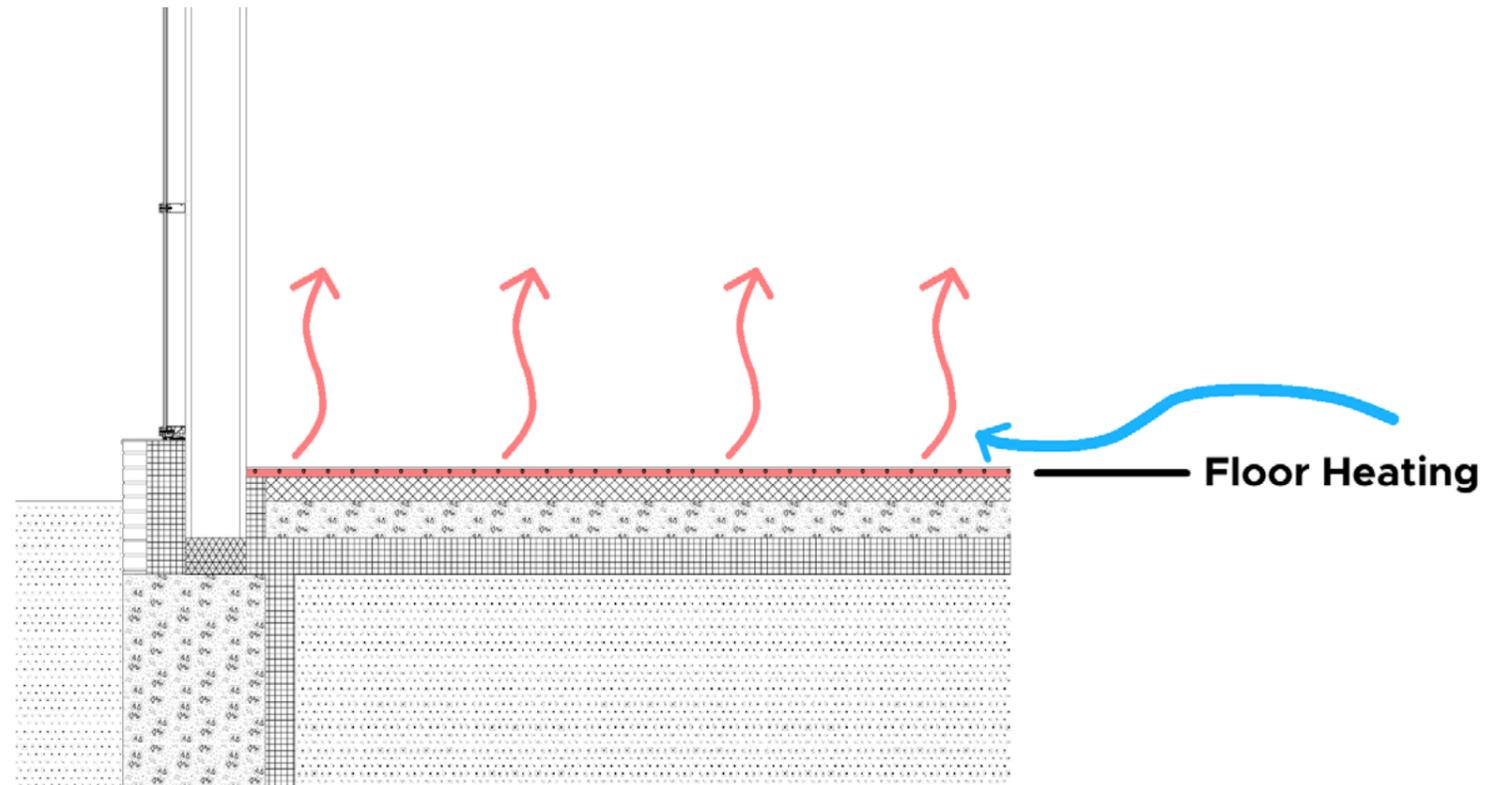
Wind Flow Illustration



H/C Control: Summer



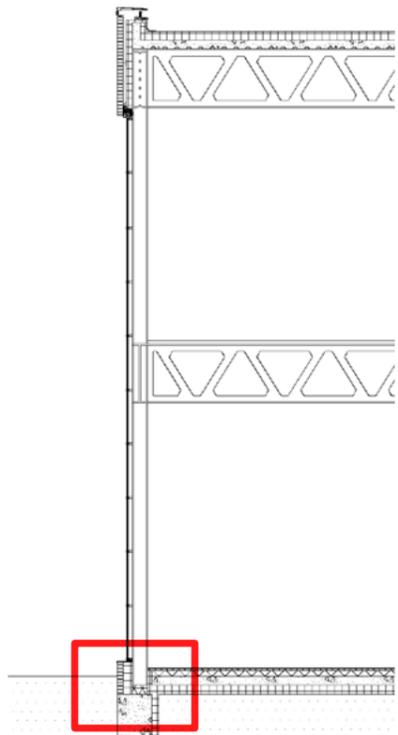
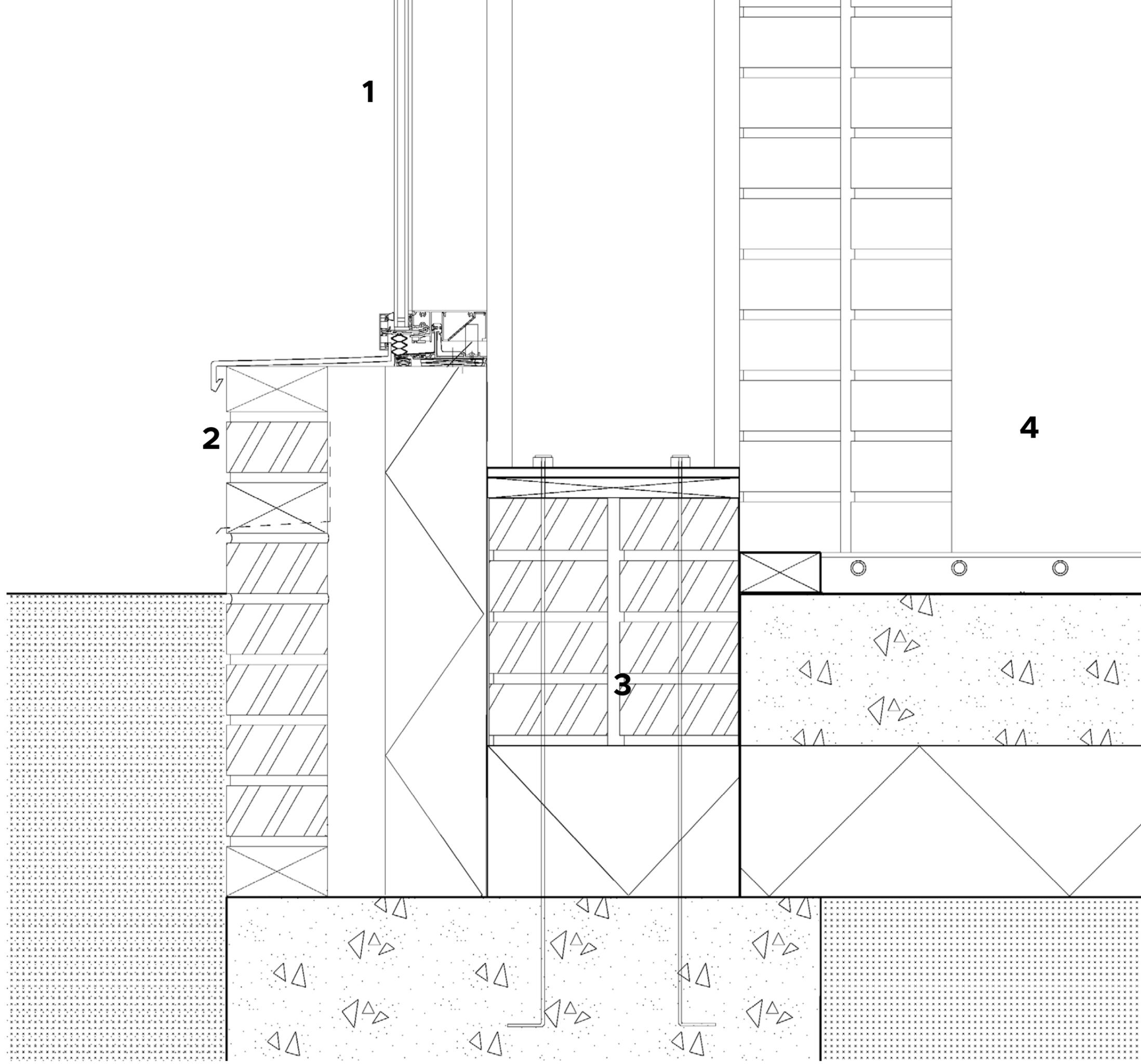
H/C Control: Winter



DETAILS

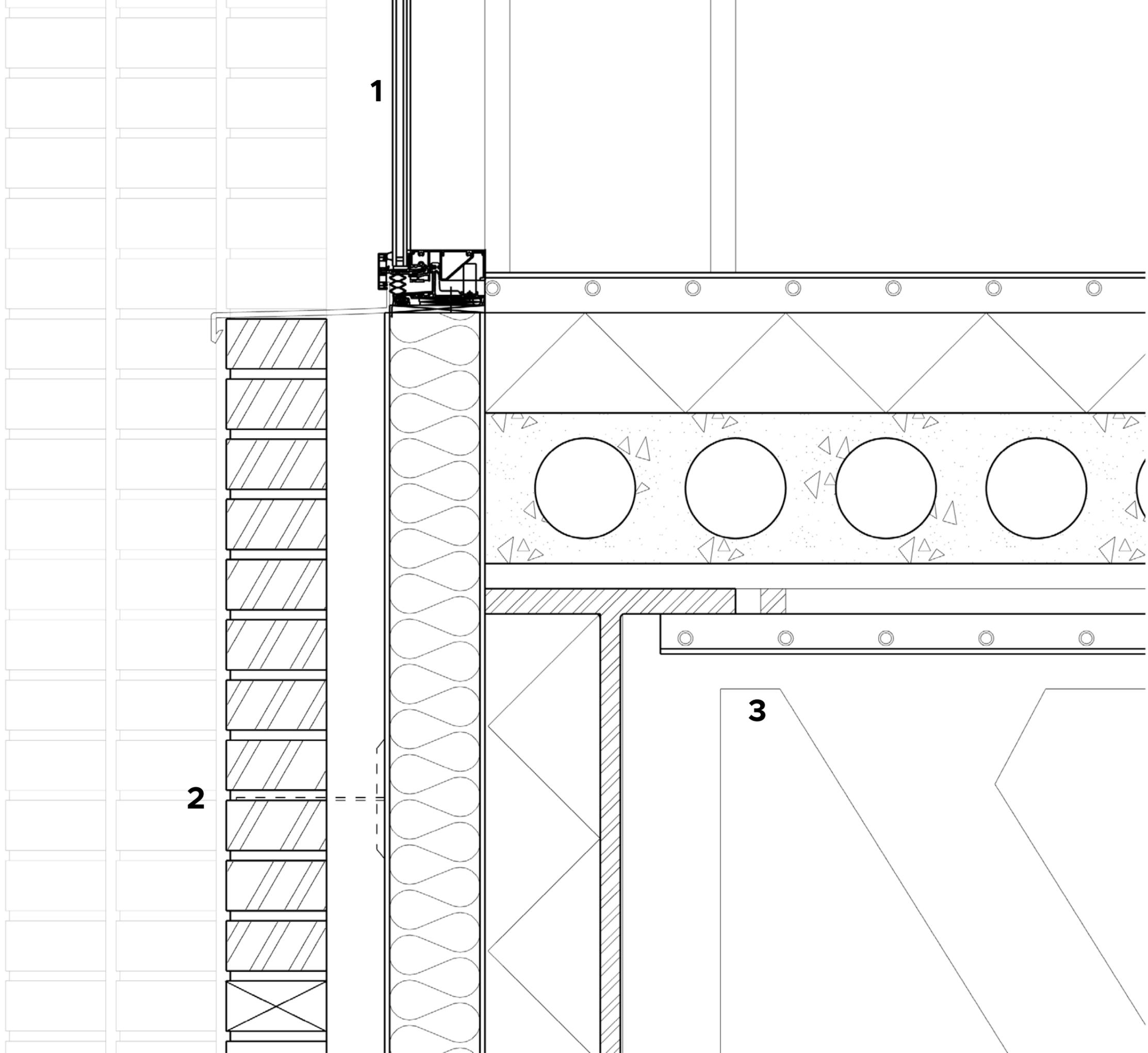
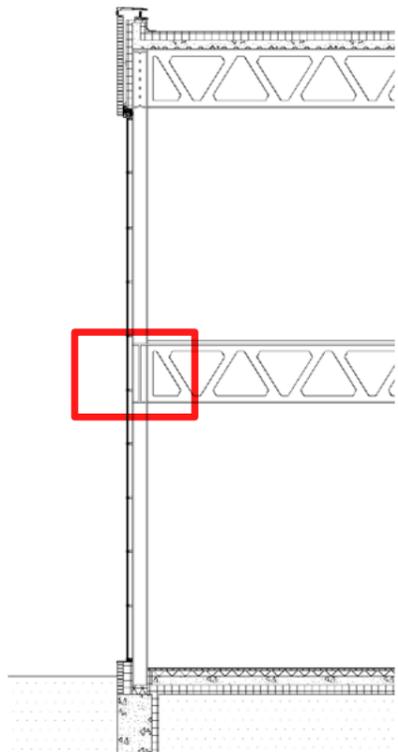
1:5 Detail - Foundation

- 1 curtain wall exterior cap 15mm
double-glazed glass 26mm
aluminium frame 80mm
steel stud 50mm
- 2 brick masonry 100mm
rigid insulation 150mm
steel column 250mm
weep holes
- 3 steel column base plate
grout 25mm
base masonry + anchor bolts
fibreglass insulation block 150mm
concrete foundation
- 4 floor finish 5mm
screed 20mm
floor heating system; pipes d=10mm
concrete slab 150mm
rigid insulation 150mm



1:5 Detail - Ceiling/Floor Slab

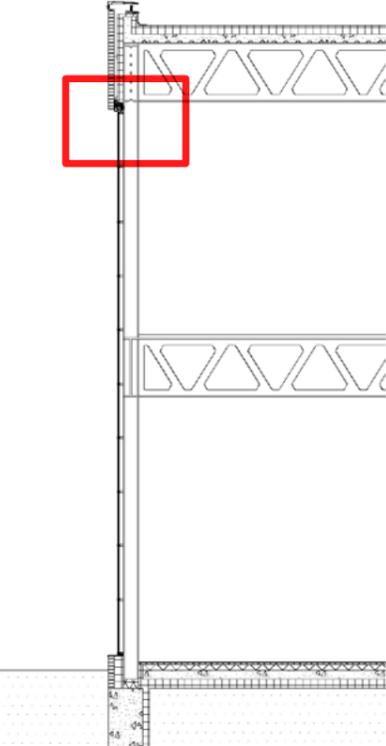
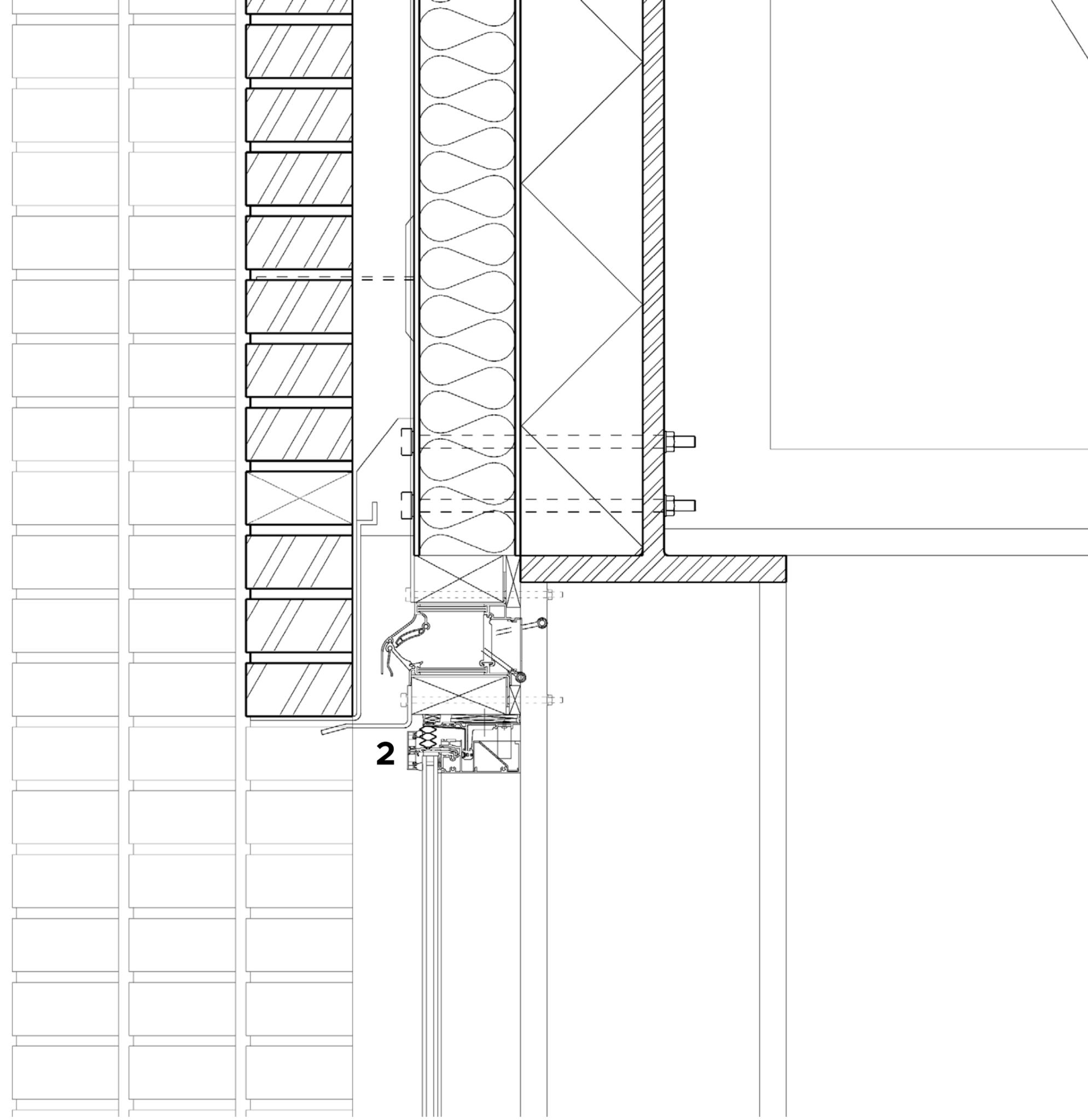
- 1 curtain wall exterior cap 15mm
double-glazed glass 26mm
aluminium frame 80mm
steel stud 50mm
- 2 brick masonry 100mm
brick tie
ventilation cavity 50mm
insulated structural panel 100mm
rigid insulation 150mm
steel joist h=1000mm w=250mm
- 3 ceiling cooling panel
cooling pipes d=10mm
steel frame 25mm
(attached to structural beam + ceiling)
hollow core concrete slab 150mm
rigid insulation 100mm
floor heating pipes d=10mm
screed 200mm
floor finish



1:5 Detail - Opening

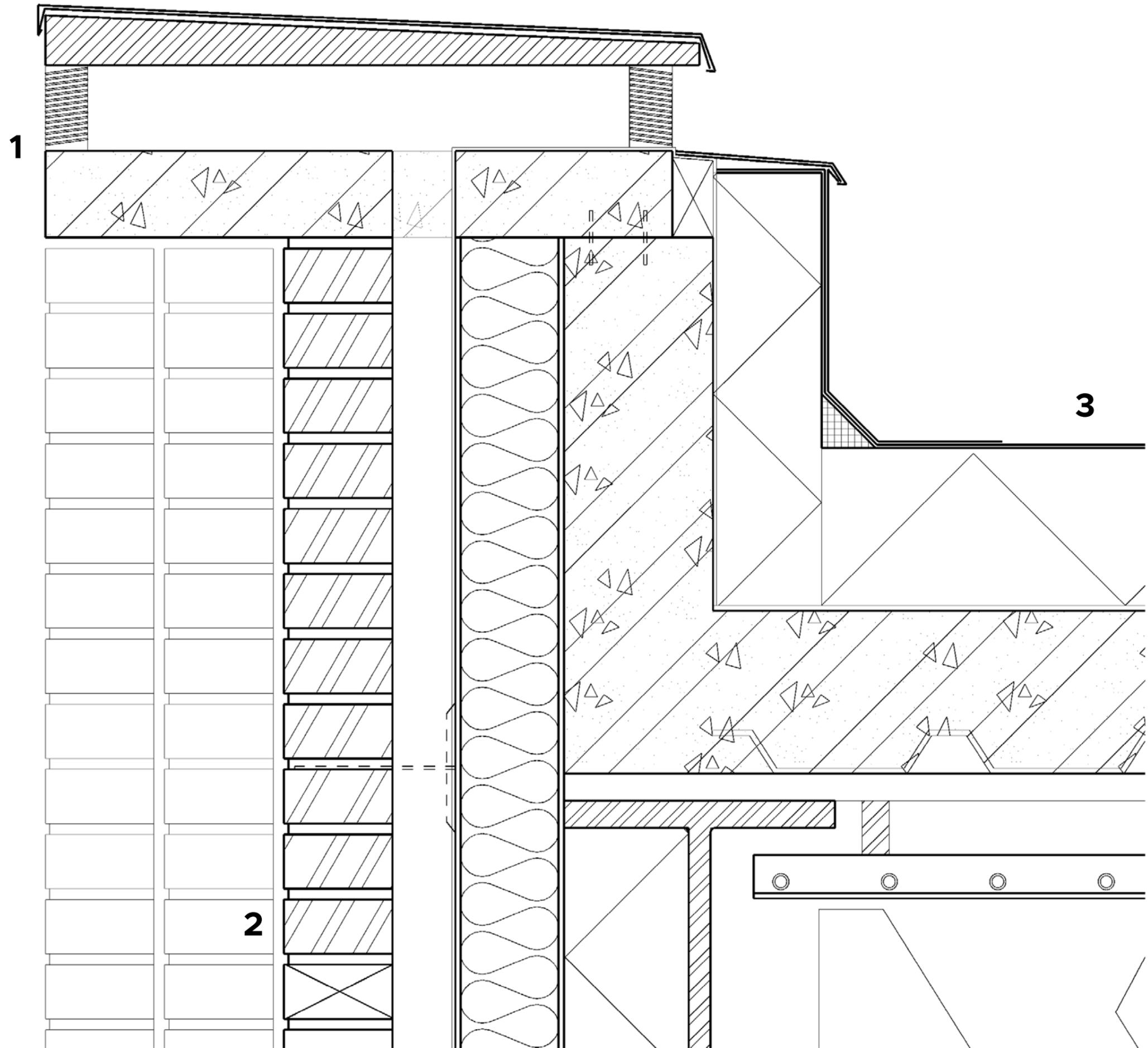
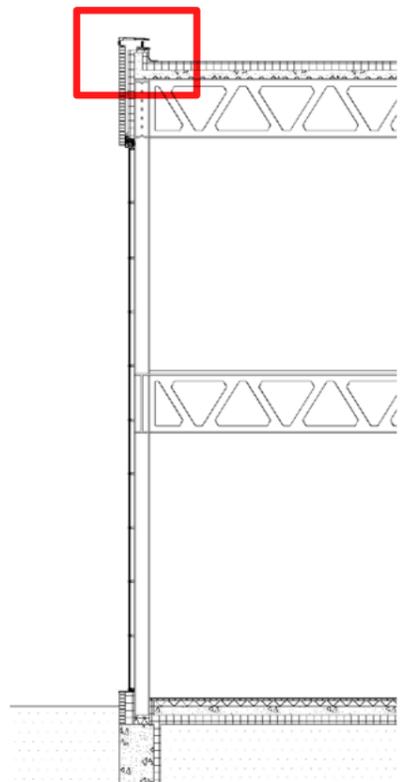
- 1 brick masonry 100mm
- steel L-profile lintel
- (lintel attachment module + bolts)
- ventilation cavity 50mm
- insulated structural panel 100mm
- rigid insulation 150mm
- steel joist h=1000mm w=250mm

- 2 ventilation slot
- moisture flashing
- spacer
- curtain wall frame



1:5 Detail - Roof + Venturi Chimney

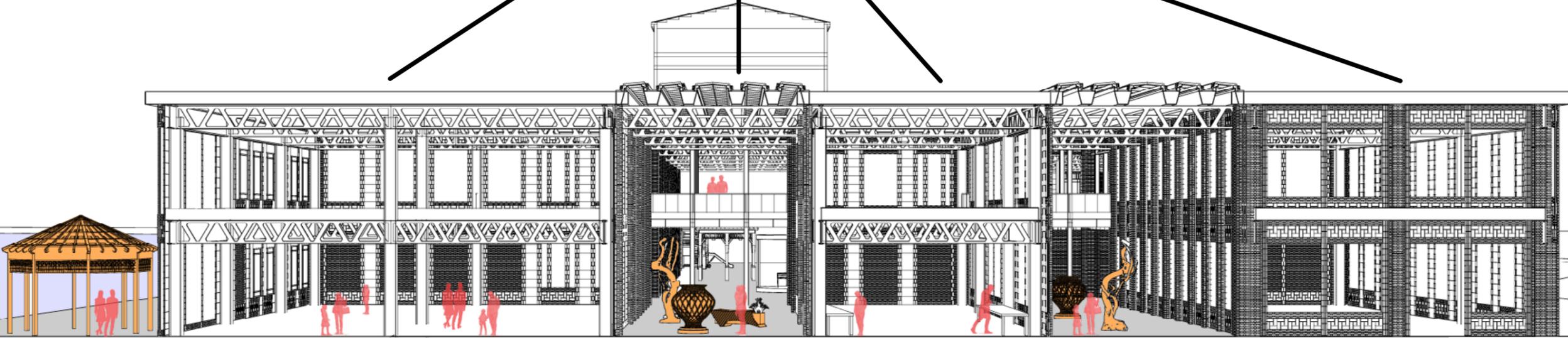
- 1 rainwater flashing
air ventilation fins
prefab reinforced concrete base
(paint treated - white)
- 2 brick masonry 100mm
brick tie
ventilation cavity 50mm
insulated structural panel 100mm
rigid insulation 150mm
steel joist h=1000mm w=250mm
- 3 structural steel beam h=1000mm
reinforced concrete roof slab 150mm
rigid insulation 150mm
waterproofing membrane



CONCLUSION:
the CRAFT Museum

Museum as Public Space of...

Artisanal
craft industry

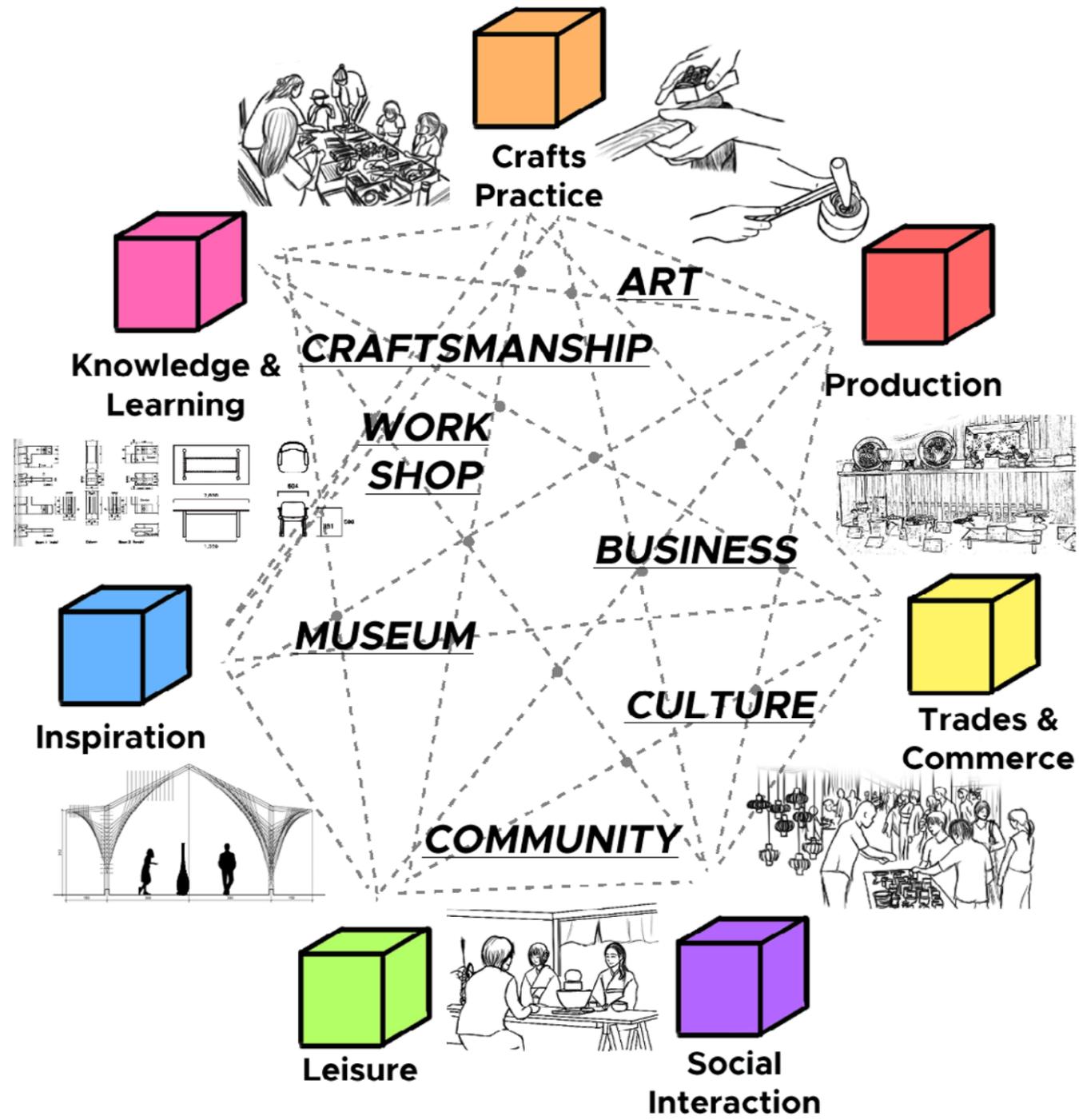


Community
Centre

Art
exhibition

Crafts
learning

Building
construction





Entrance from west park



In-between space exhibition (1)



Courtyard



In-between space exhibition (2)



In-between space exhibition (3)



Interior space (cafe)



Interior space (workshop)



1F Connecting Bridge



1F Viewing Deck

CRAFT Museum Rotterdam-Zuid

Community-based Relational Art Factory Tarwewijk

