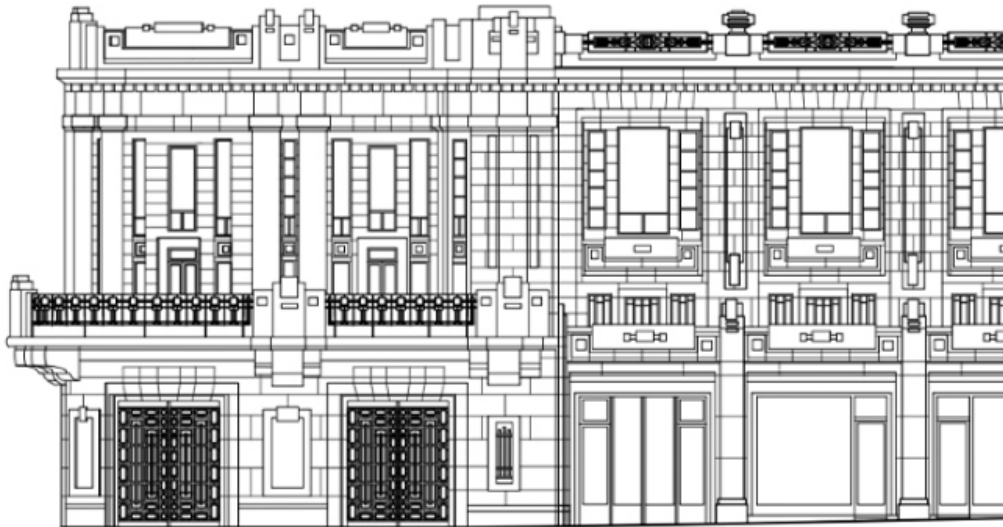


Portfolio

Selected works 2017 – 2025



Frank van Zelderen

Personalia



ir. Frank van Zelderer

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📞 +31 (0) 627 084 652

📍 Alkmaar

📅 30.11.1996

🇳🇱 Dutch

🌐 www.frankvanzelderer.nl

📷 www.instagram.com/frankvanzelderer

🌐 www.linkedin.com/in/frank-van-zelderer

About me

Growing up in Hilversum, I was surrounded by the captivating brick works of Dutch architect Willem Marinus Dudok, along with other twentieth-century buildings and villa architecture. As a child, this ignited my passion for architecture, as I would often draw my own dream villa and construct my ideal buildings and cities with Lego and in The Sims 3.

This early fascination for architecture, urbanism and building technology was reignited when I started with my bachelor's degree, where I further developed my skills in design, drawing, model building, and BIM. The world of architecture became my canvas, and I eagerly delved into the creative process of bringing my visions to life.

In addition to my passion for architecture, I have always been an avid sports practitioner. Volleyball

has been an integral part of my life since the age of six, shaping my ambitious and competitive character. Throughout this fifteen-year journey, I achieved notable milestones, including a second-place finish in the National Youth Championships and numerous regional trophies. Today, I find joy in fitness, martial arts and hiking, channelling my dedication and drive into physical pursuits.

Beyond sports, I possess a desire for knowledge, yearning to unravel the complexities of our world. Literature, philosophy, museum visits, and travel afford me the opportunity to explore and comprehend our diverse and multifaceted existence. Through these experiences, my interest in classical and traditional architecture blossomed, as I began to appreciate the profound interplay between aesthetics, nature, the human body,

and the built environment.

Driven by this passion, I aspire to pursue a career as an architect, seamlessly merging contextual awareness and cultural sensitivity. My goal is to create timeless designs that captivate and harmonize with their surroundings, embodying the spirit of a bygone era while meeting the demands of the present. Although my master's degree did not afford me the opportunity to fully realize this vision, I remain steadfast in my pursuit of creating this kind of architecture. In essence, my journey has been one of curiosity, creativity, and resilience. Through architecture, sports, and intellectual exploration, I endeavour to leave an aesthetic mark on the world, crafting things rooted in tradition that inspire, connect, and endure.

Curriculum Vitae

Work experience

2024 - Present	Kerssens de Ruiter architecten Technical drafter / Architectural designer
2022 - 2024	Coolblue Deliverer / Installation engineer
2021 - 2024	Bouwplanvergunning Technical drafter
2013 - 2022	Hoogvliet Team leader / Cashier
2019 - 2020	Ronald Janssen Architecten Technical drafter
2017 - 2018	OZ Intern
2012 - 2016	van Zelderen Techniek Assistant electrician

Education

2021 - 2023	Technische Universiteit Delft Master of Science Architecture, Urbanism and Building Sciences Graduation studio: Interiors Buildings Cities Studio: Architectural Design Crossovers, Architecture & Urban Design Studio: Heritage
2015 - 2019	Hogeschool van Amsterdam Bachelor of Built Environment HBO Bouwkunde Specialization: Architecture Graduation atelier: Reconstructing Architecture
2014 - 2015	Hogeschool Utrecht Physiotherapy
2009 - 2014	Comenius College Hilversum Havodiploma

Other educations

2020	Certificate in Advanced English University of Cambridge
2020	Testimonium aanvullend examen voor Wiskunde B VWO-niveau Boswell-Bèta / Universiteit van Utrecht
2018	Sociale Hygiëne Slijterij Stichting Vakbekwaamheid Horeca
2017	Certificaat Peermentoring Hogeschool van Amsterdam
2015	Driver's Licence B (automobile) & AM (moped) CBR
2009	Diploma Computertypen Instituut Pica

Skills

Architectural designing

Autodesk Autocad	
Autodesk Revit	
Autodesk 3Ds Max	
Autodesk Formit360	
Autodesk Navisworks	
SketchUp	
QGIS	

Graphic designing

Adobe Photoshop	
Adobe Illustrator	
Adobe Indesign	
Microsoft Office	

Practical designing

Hand sketching	
Technical drawing	
Model building	

Web designing

HTML	
CSS	
JavaScript	

Languages

Dutch

Native

English

C1 (CAE)

German

B1 (Havo)

Hobbies



Art & culture



Travelling



Reading



Fitness

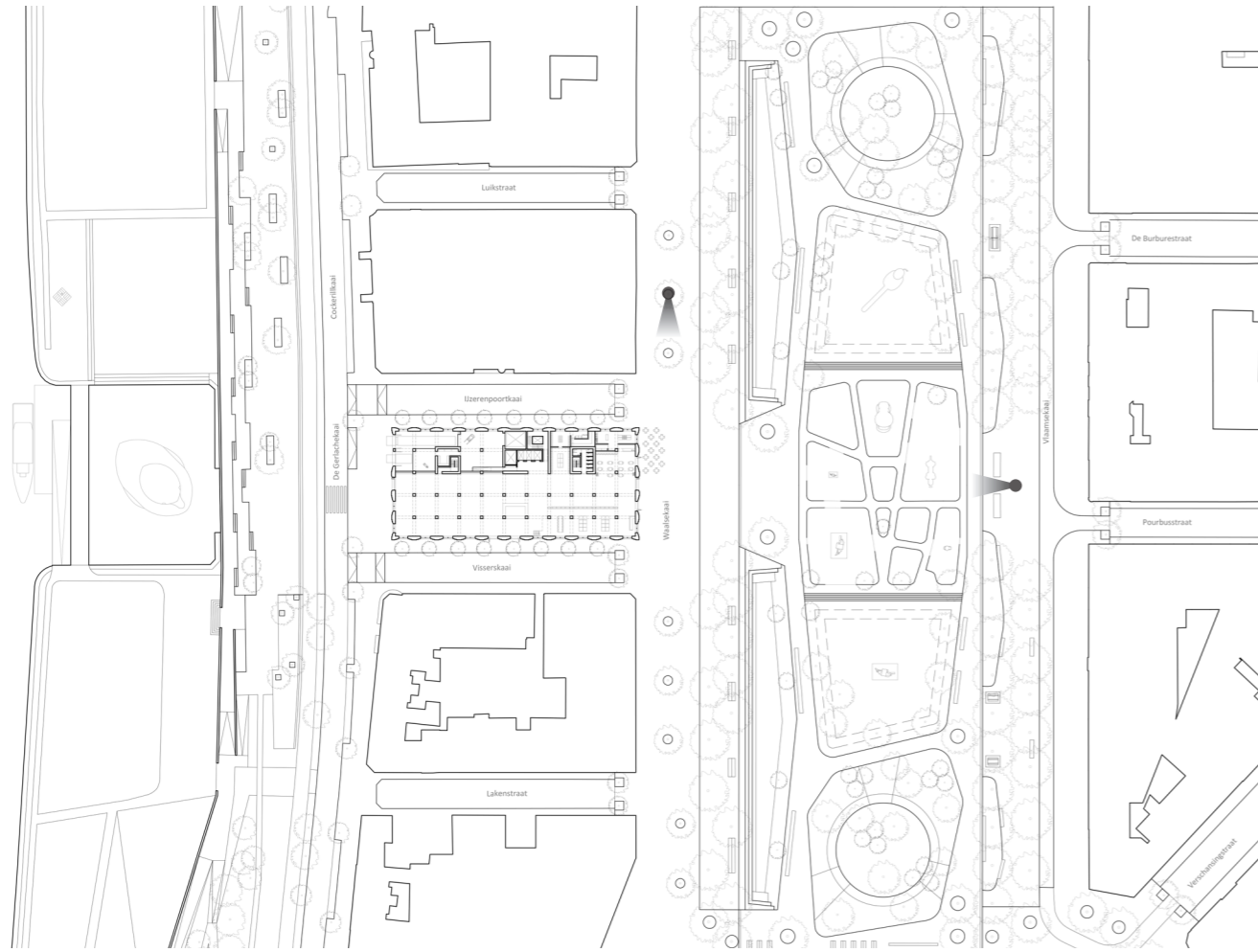


Martial arts

Content

01	<i>08-23</i>	Flemish Museum of Contemporary Art
02	<i>24-29</i>	Ring of Rotterdam
03	<i>30-37</i>	Sports University of Applied Sciences SC010
04	<i>38-57</i>	Gebouw 8
05	<i>58-59</i>	B-Proud
06	<i>60-65</i>	Miscellaneous

Flemish Museum of Contemporary Art



Site plan | 1:2000

Master's thesis

Clients:
Technische Universiteit Delft & M HKA

Chair:
Interiors Buildings Cities

Type:
Museum, public building, interior design

Location:
Waalsekaai, Antwerp (BE)

The new design for the Flemish Museum of Contemporary Art (VMHK) endeavoured to translate the nineteenth and twentieth century warehouse architecture into a contemporary art museum. The 'Warehouse for Art' symbolizes its role as a repository for knowledge and artworks, while embracing the genius loci of the former port identity along the Scheldt river and its surrounding brick buildings with a strong horizontality. This industrial character is neutral, but not as aseptic as a characterless white cube and devoid of architectural caprices. Its inherent flexibility ensures adaptability for the museum and future functions, making it future-proof. Moreover, the design questions the conventional notion of the contemporary

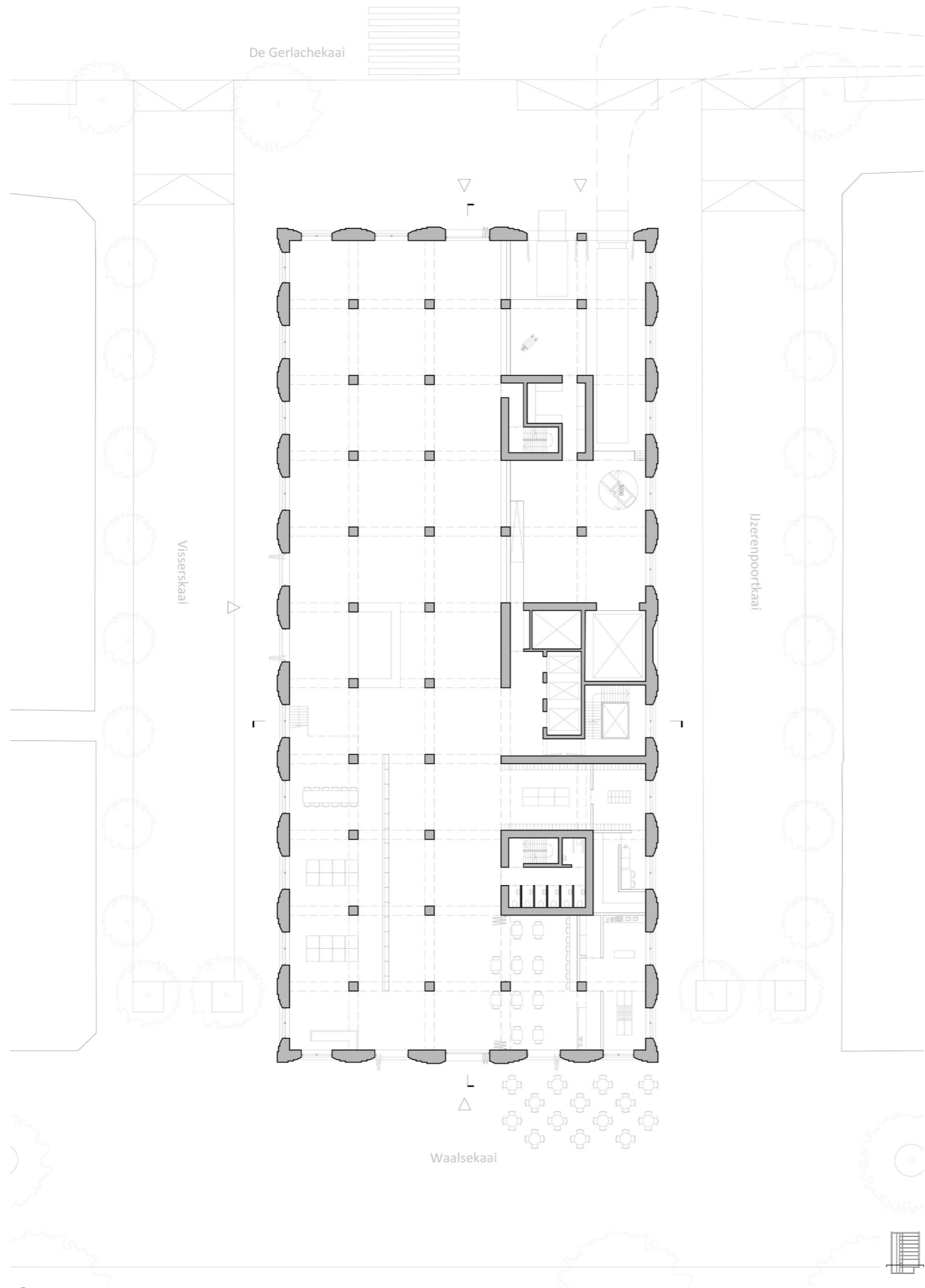
museum, changing from an exclusive institution into a public building. In this pursuit of an 'anti-museum', the warehouse exemplifies a departure from the typical museum typology. Instead it represents a typology that contemporary art museums have discovered in industrial heritage and can fit into newly constructed buildings of the twenty-first century.



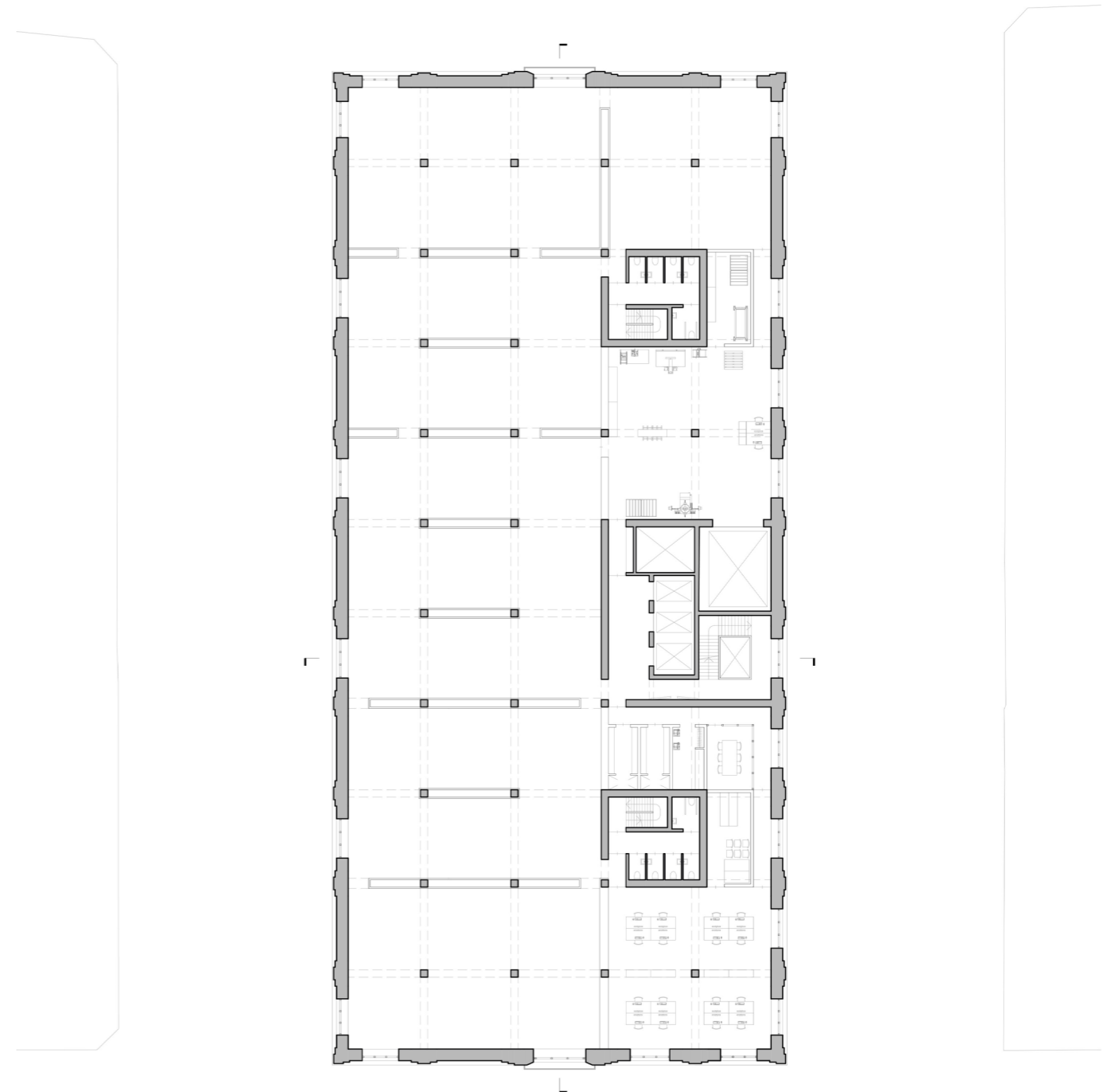
Perspective seen from the Zuiderdokkenpark



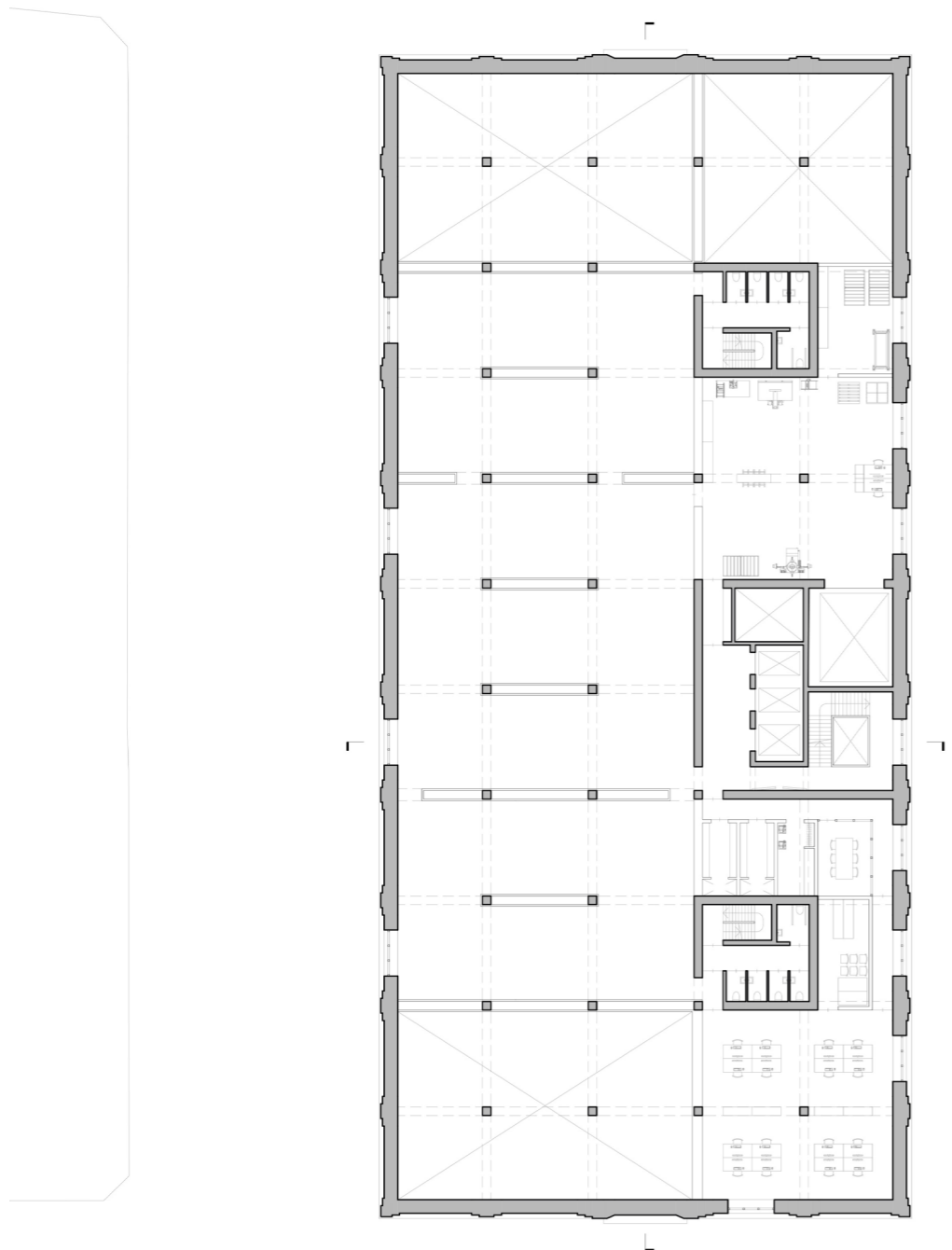
Perspective seen from the Waalsekaai



Ground floor | 1:400



Museum floor | 1:400



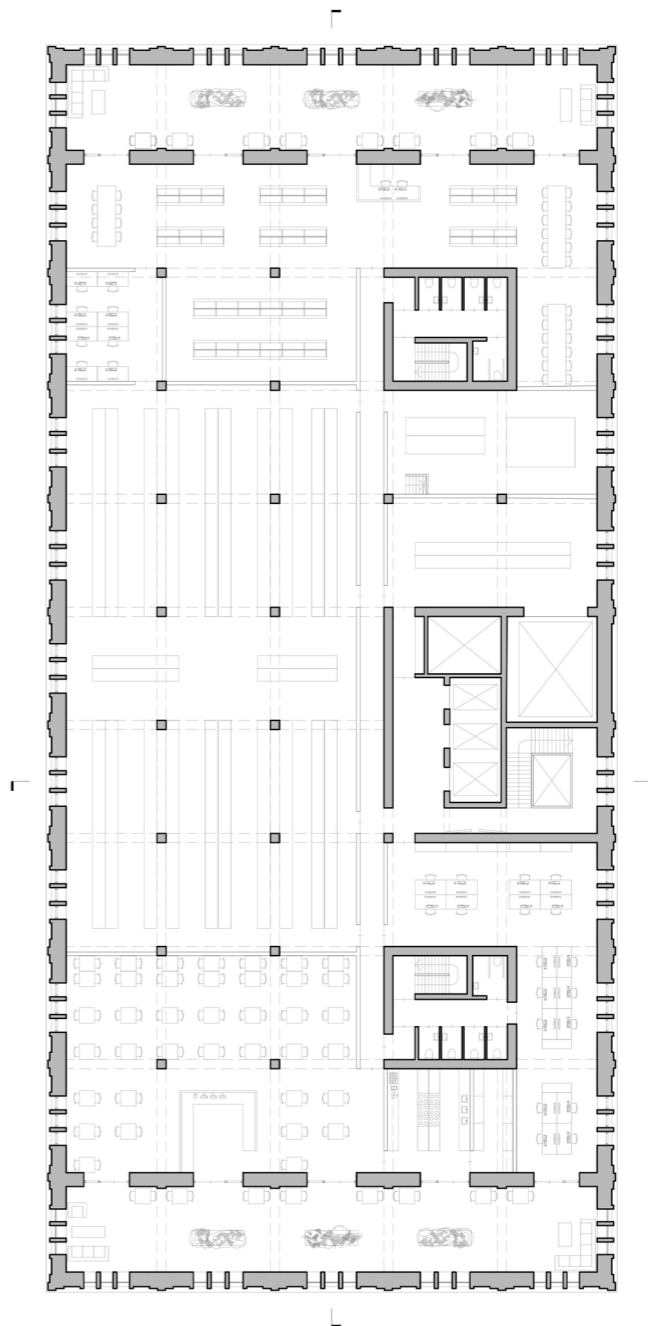
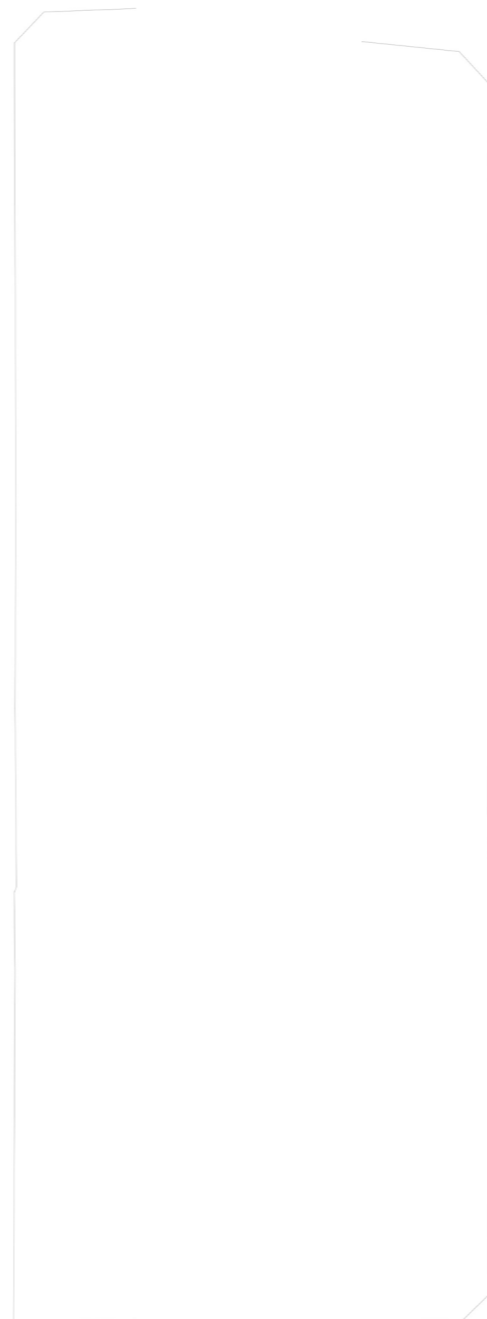
Museum floor – entresol | 1:400



01



12



Eighth floor | 1:400



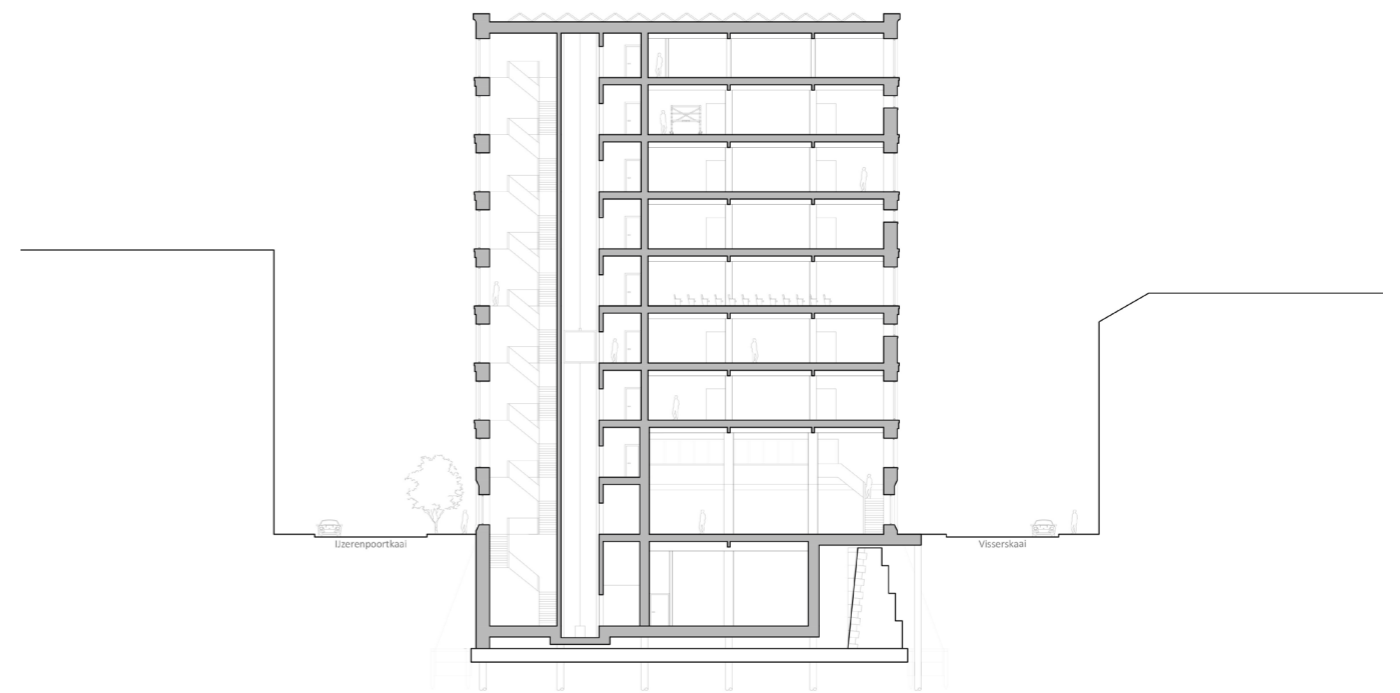
13



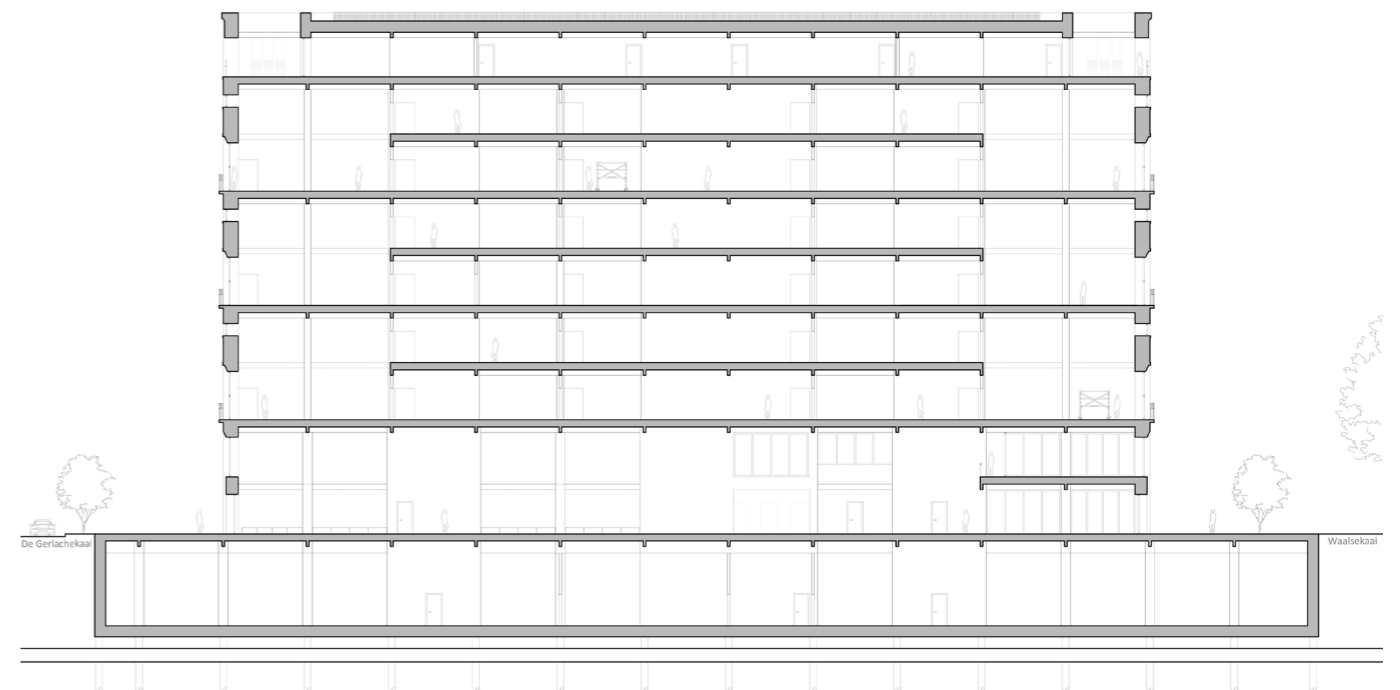
Flemish Museum of Contemporary Art



Different configurations of the forum space | amateur art works, public art works, public event



Cross section | 1:550



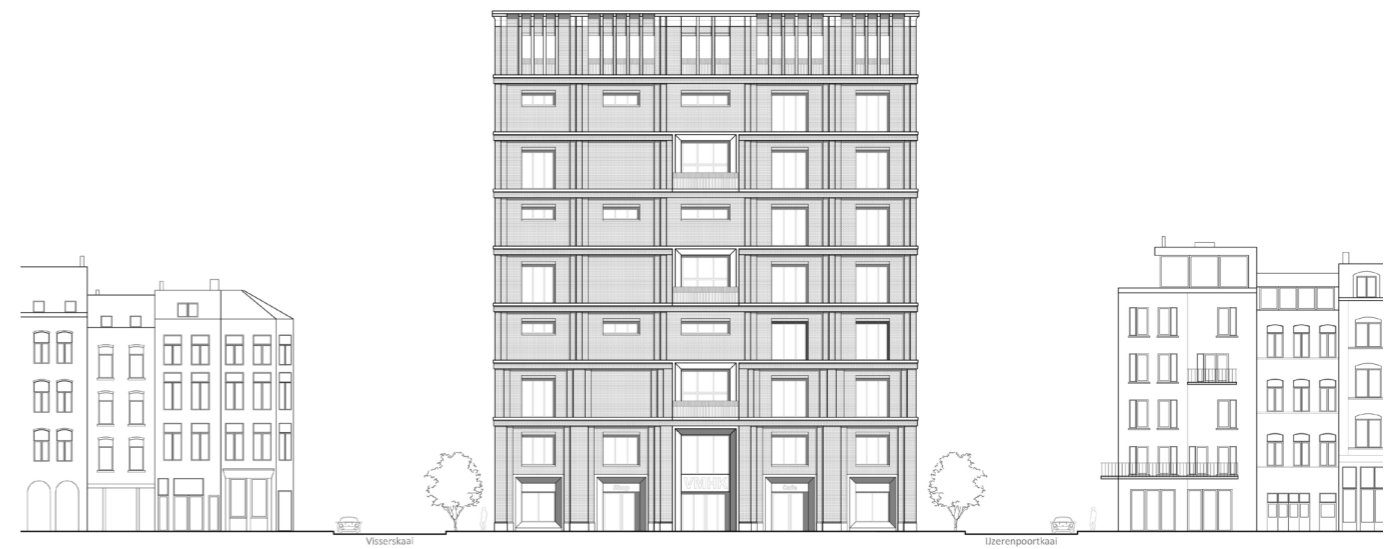
Longitudinal section | 1:550



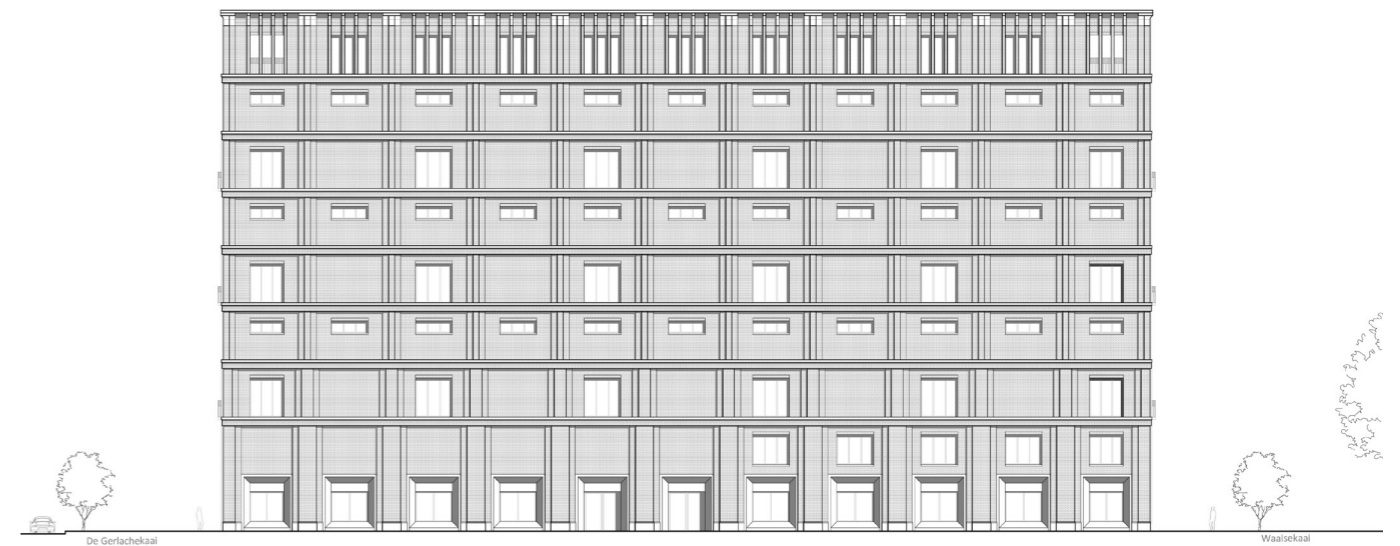
Perspective of an exhibition space



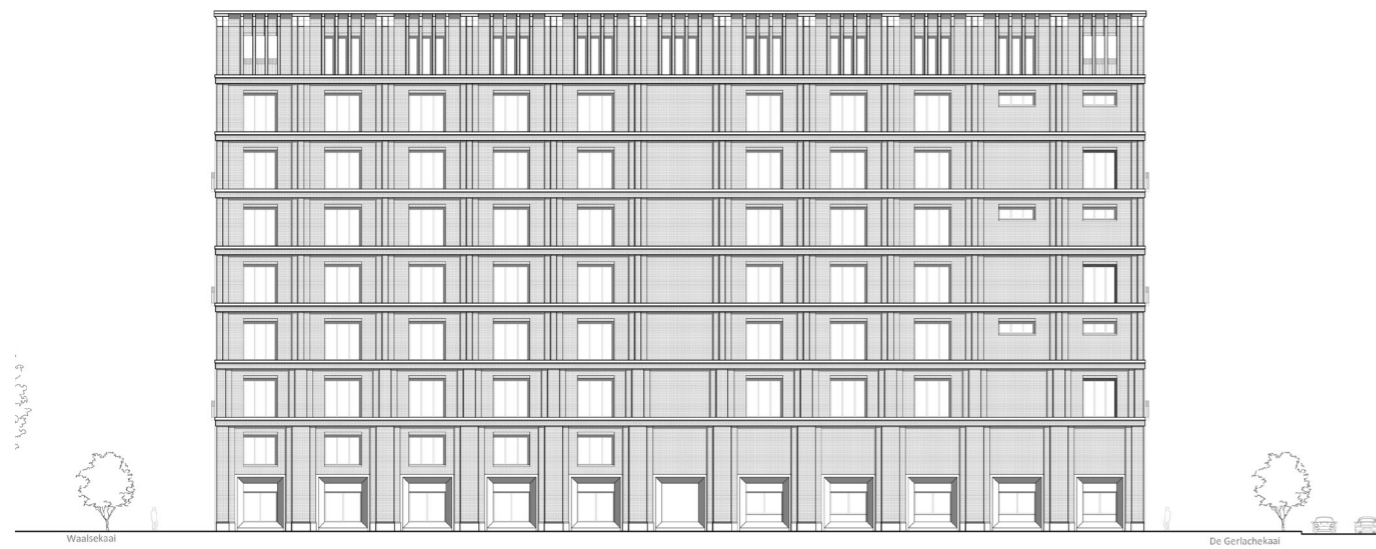
Perspective of the café, museum shop and lobby



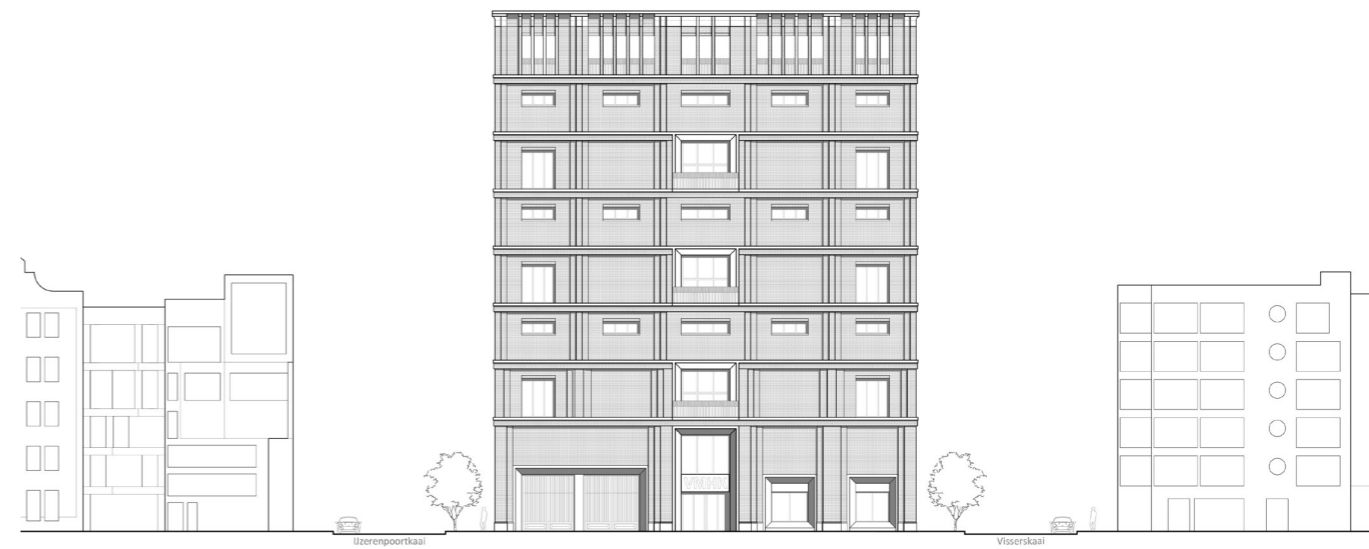
South east elevation | 1:550



South west elevation | 1:550



North east elevation | 1:550



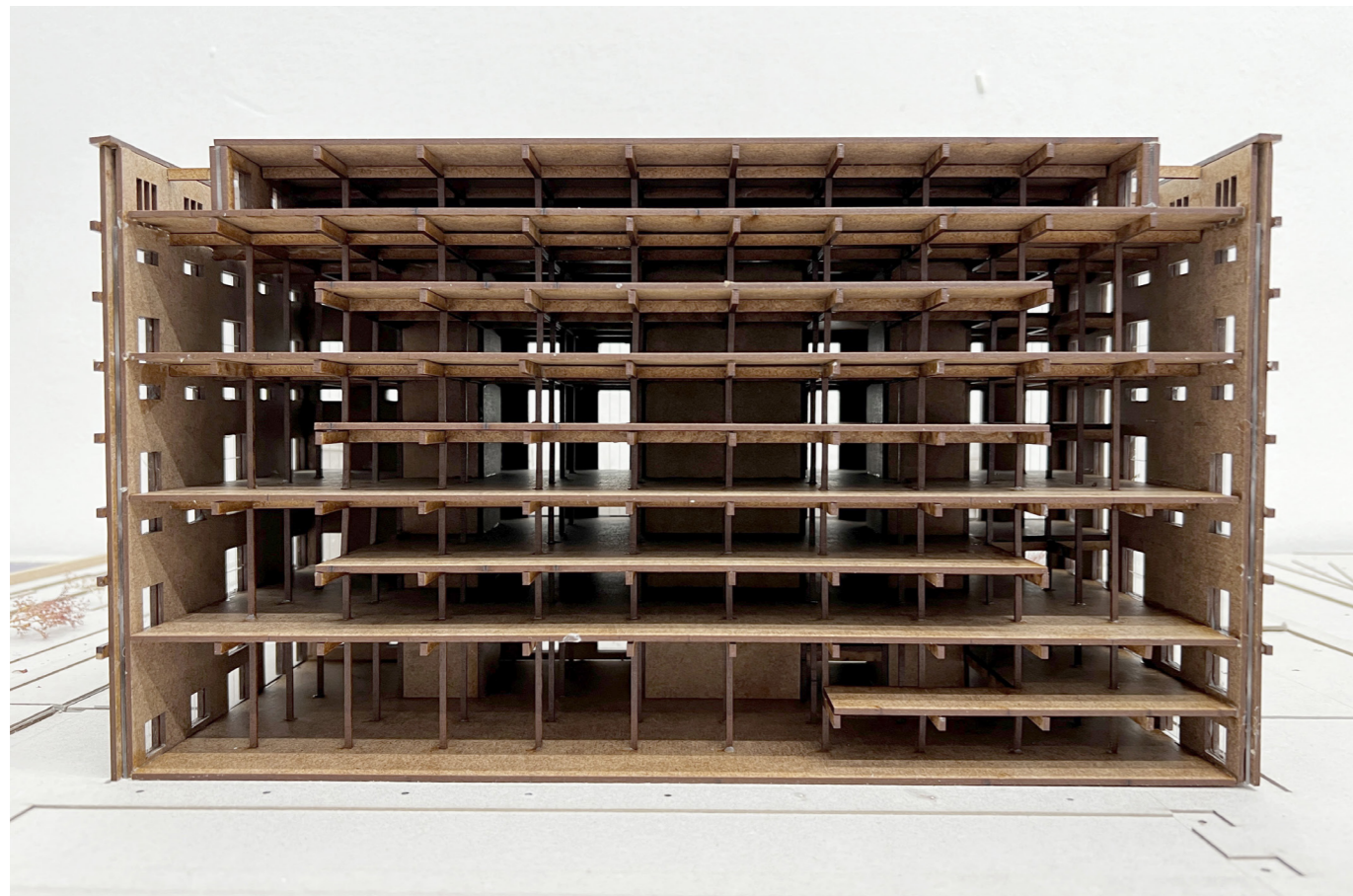
North west elevation | 1:550



Doorsnede van de Linkeroever naar het Zuidereiland | 1:2000



Site model | 1:200



Section model | 1:200



Ring of Rotterdam



Site plan | 1:65000

Master's design studio

In collaboration with:
Oda Lagran, Erik van Diermen, Ken Chen

Client:
Technische Universiteit Delft

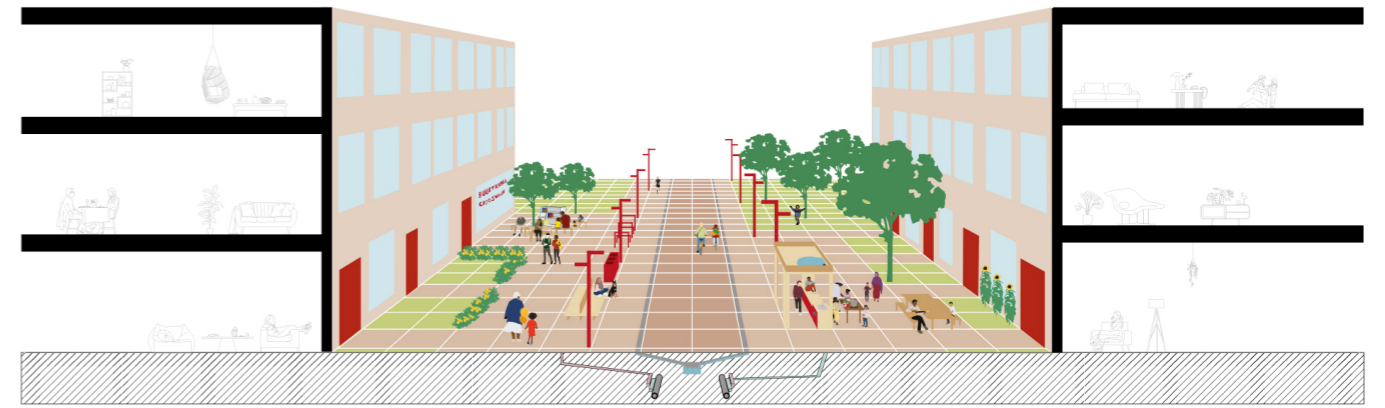
Chair:
Architectural Design Crossovers

Type:
Urbanism, urban architecture, landscape architecture

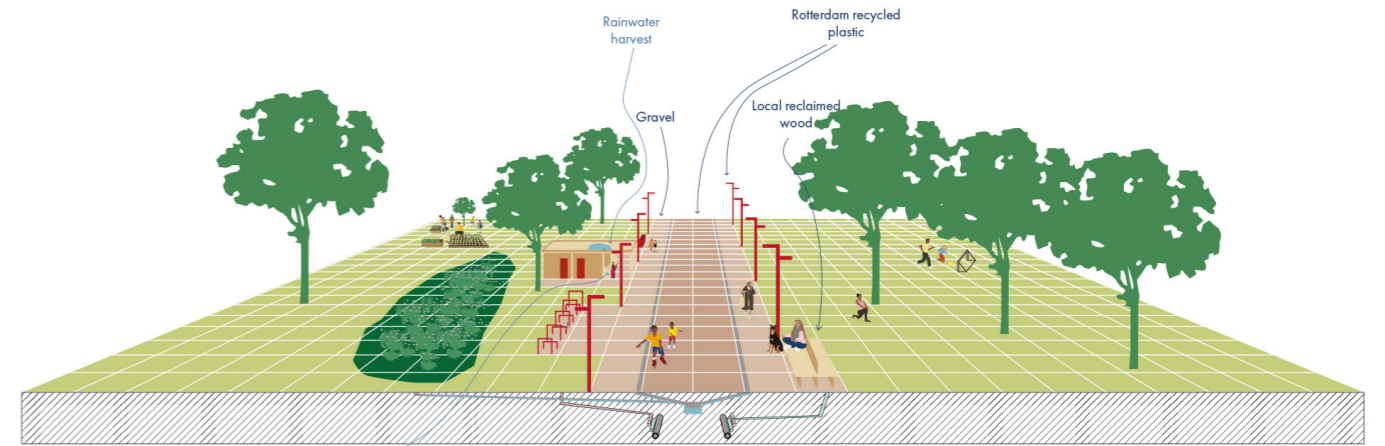
Location:
Rotterdam (NL)

The aftermath of the Second World War turned the port city of Rotterdam into a fragmented and car dominant city which, with its continuing expansions and densifications, can no longer tackle the high pressure on its public transport system and urban structure of arteries and grids. This consequently means that Rotterdam needs a new strategy. Therefore a new ring structure for Rotterdam was proposed, which will provide new facilities, meeting spaces and nature experiences within the existing fabric of Rotterdam, easily reachable for people from the inner and outer areas. Thus adding a new layer to the city, consisting of four unique identities, depending on its location. From the aspect of mobility, the ring will function as a filter along the existing

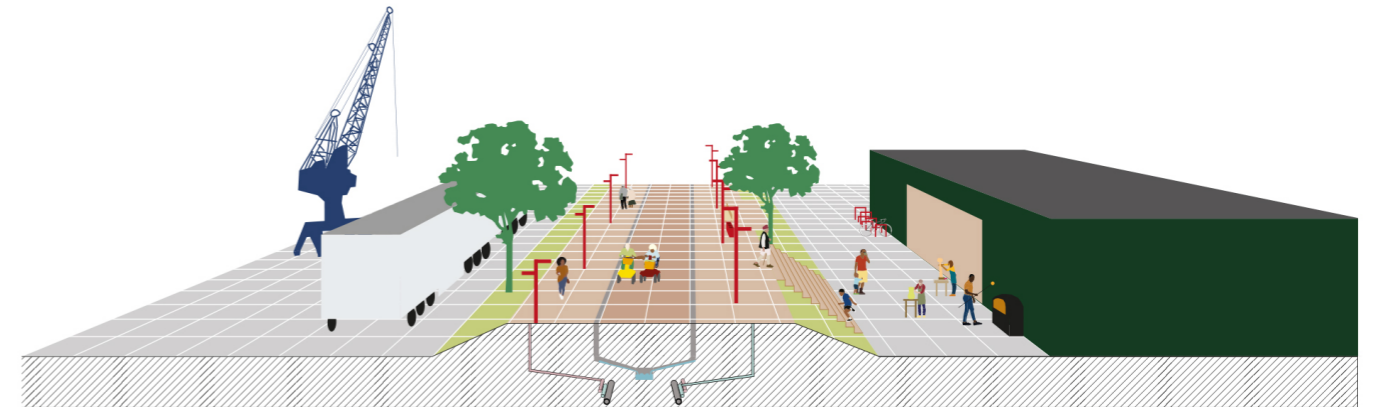
arteries with mobility hubs, and provides an alternative route for slow pace mobility. Thereby stimulating the usage of public transit and sustainable vehicles and devices, whilst making space for pedestrianization as car traffic will be reduced. Through the showcase of Rotterdam-Noord, the possibilities of what this ring can offer to the city comes forward. Within its vast infrastructural landscape, it gives the possibility to connect a new system of infrastructure, greenery, mobility hubs, dwelling, working, public spaces, and facilities within a 15 minute reach north of the Noorderkanaal, whilst absorbing the existing area south of the canal. Thus demonstrating that the ring creates more lively and healthy places for socializing, playing, traveling, meeting, living and working.



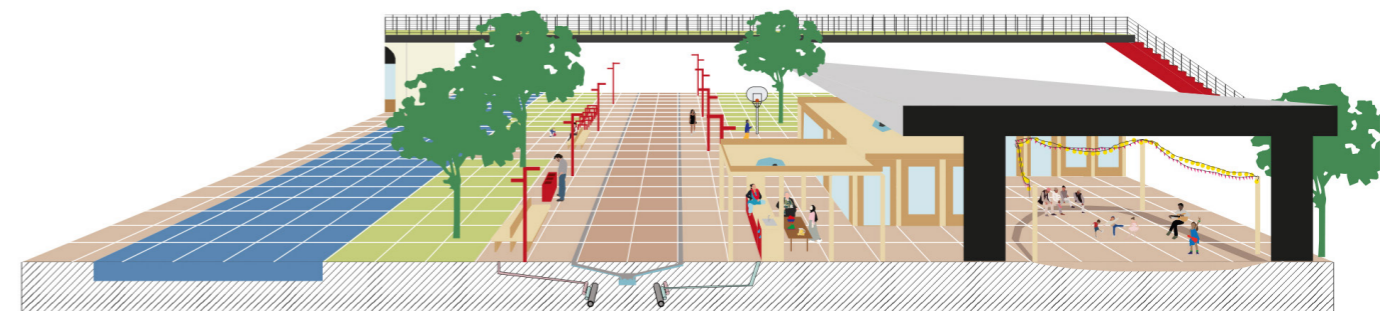
Residential



Greenery

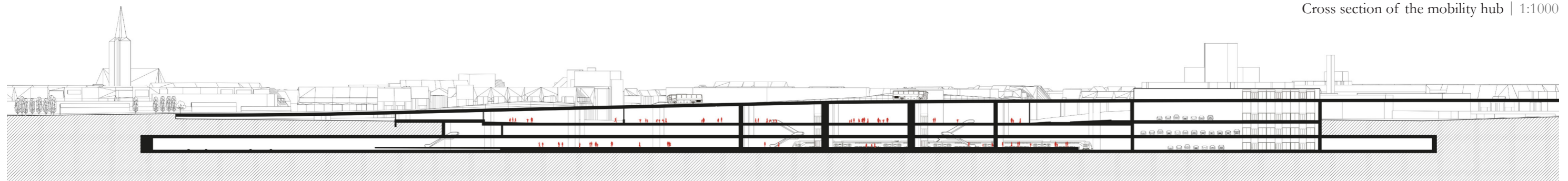
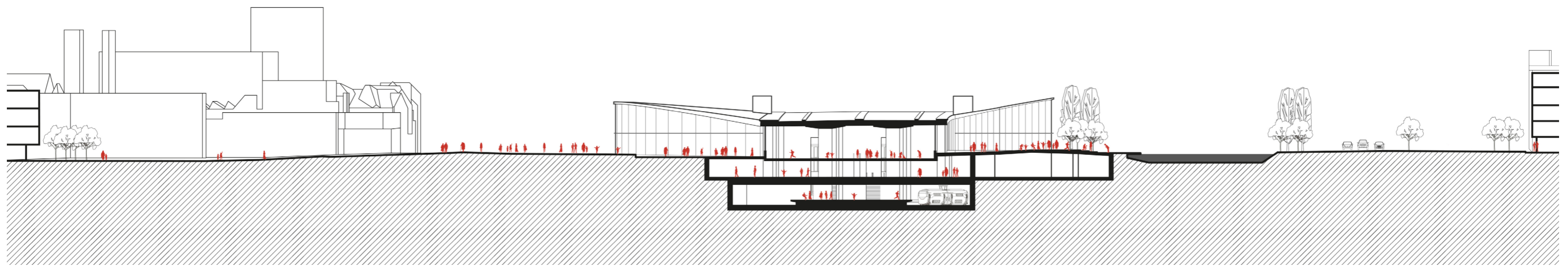
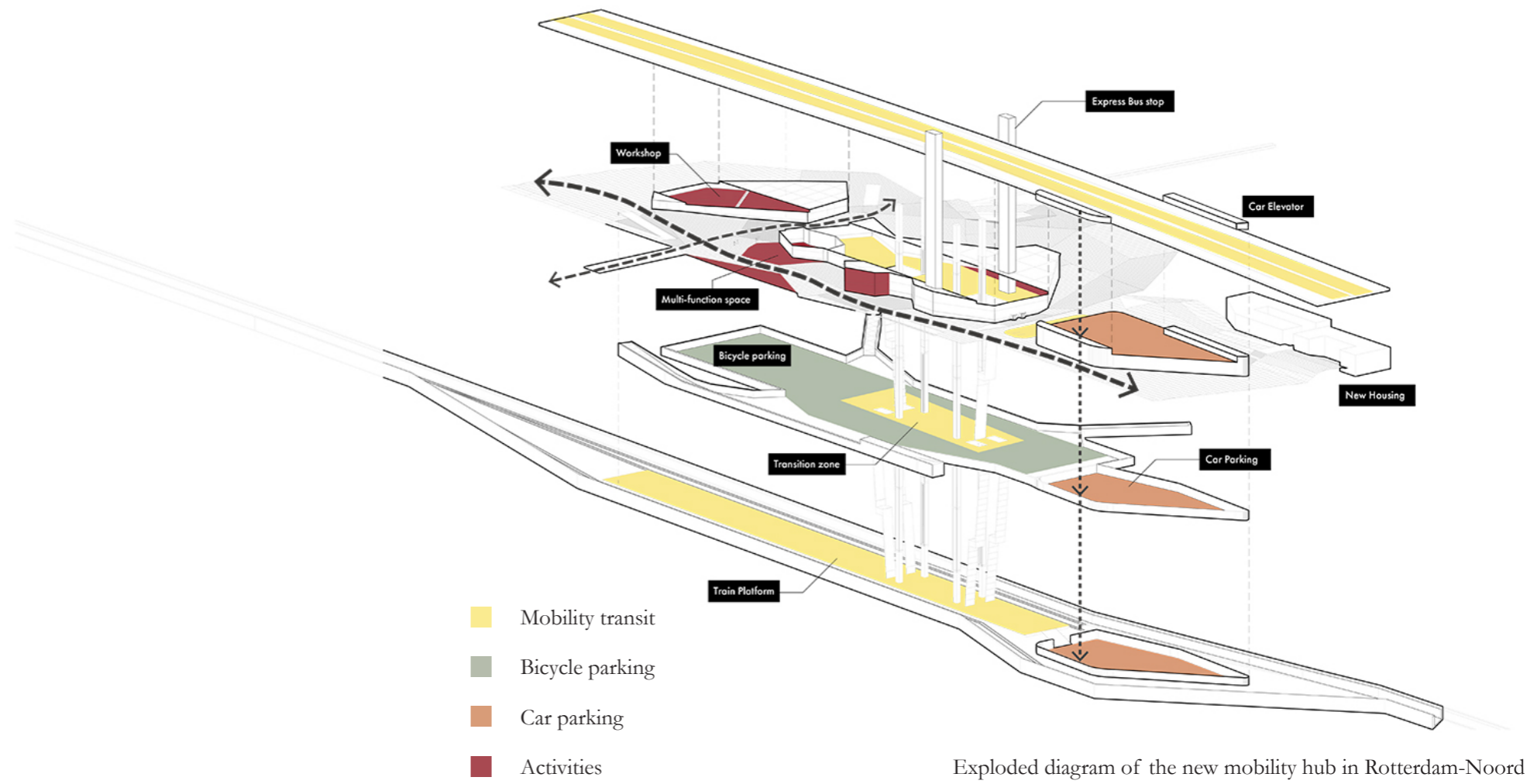


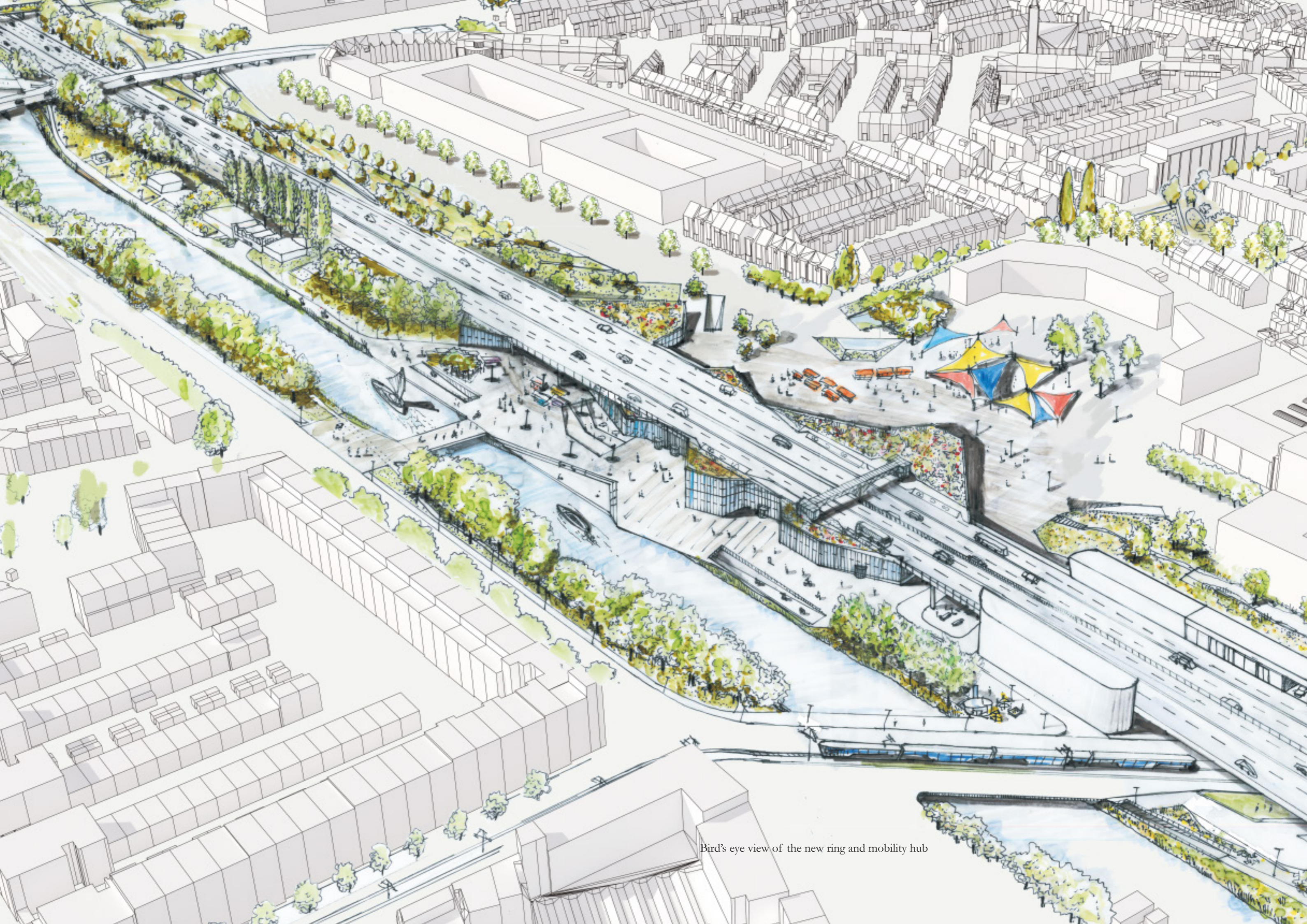
Industrial



Infrastructural

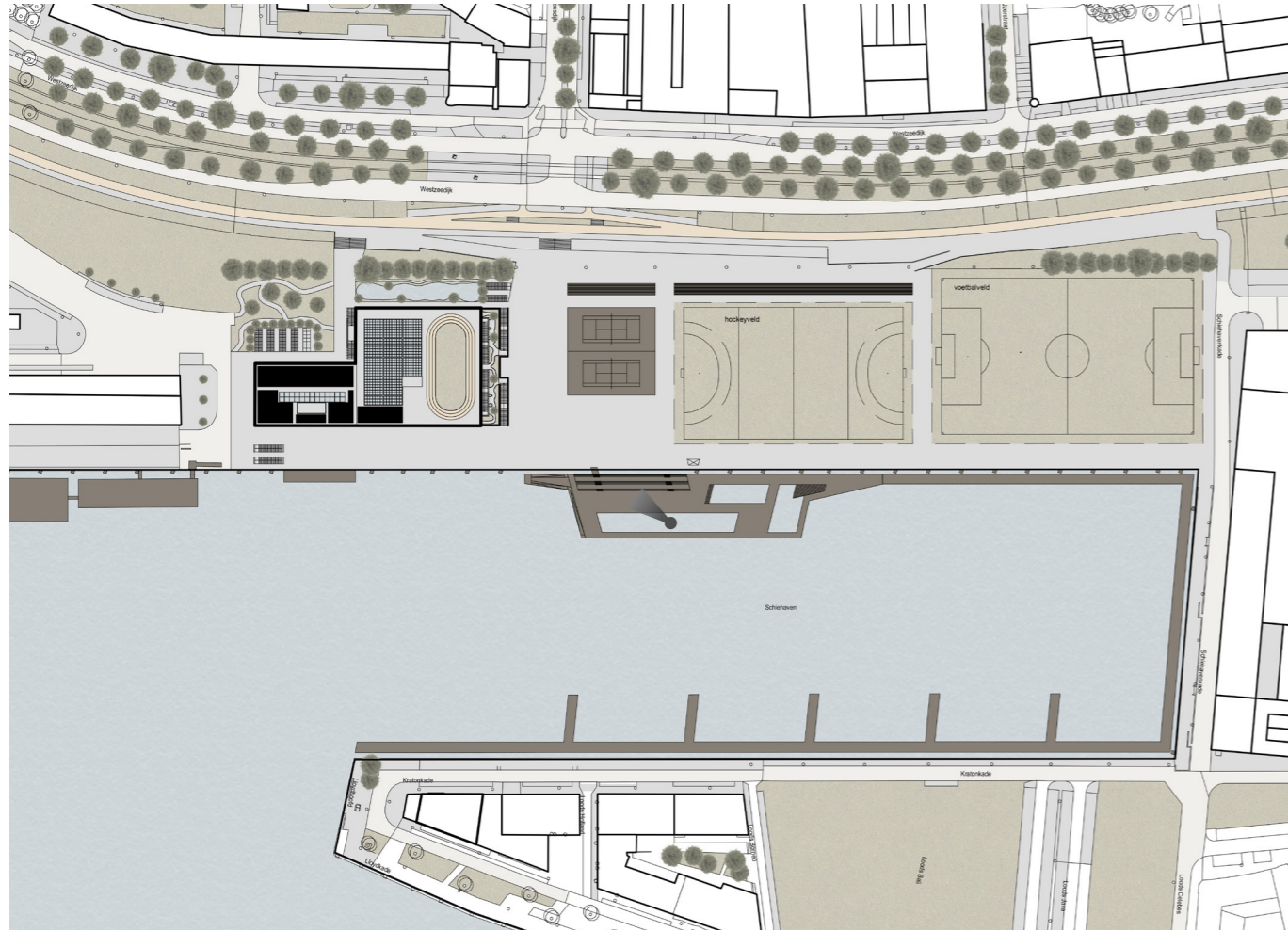
Four different identities of the ring





Bird's eye view of the new ring and mobility hub

Sports University of Applied Sciences SC010



Site plan | 1:3000

Bachelor's thesis

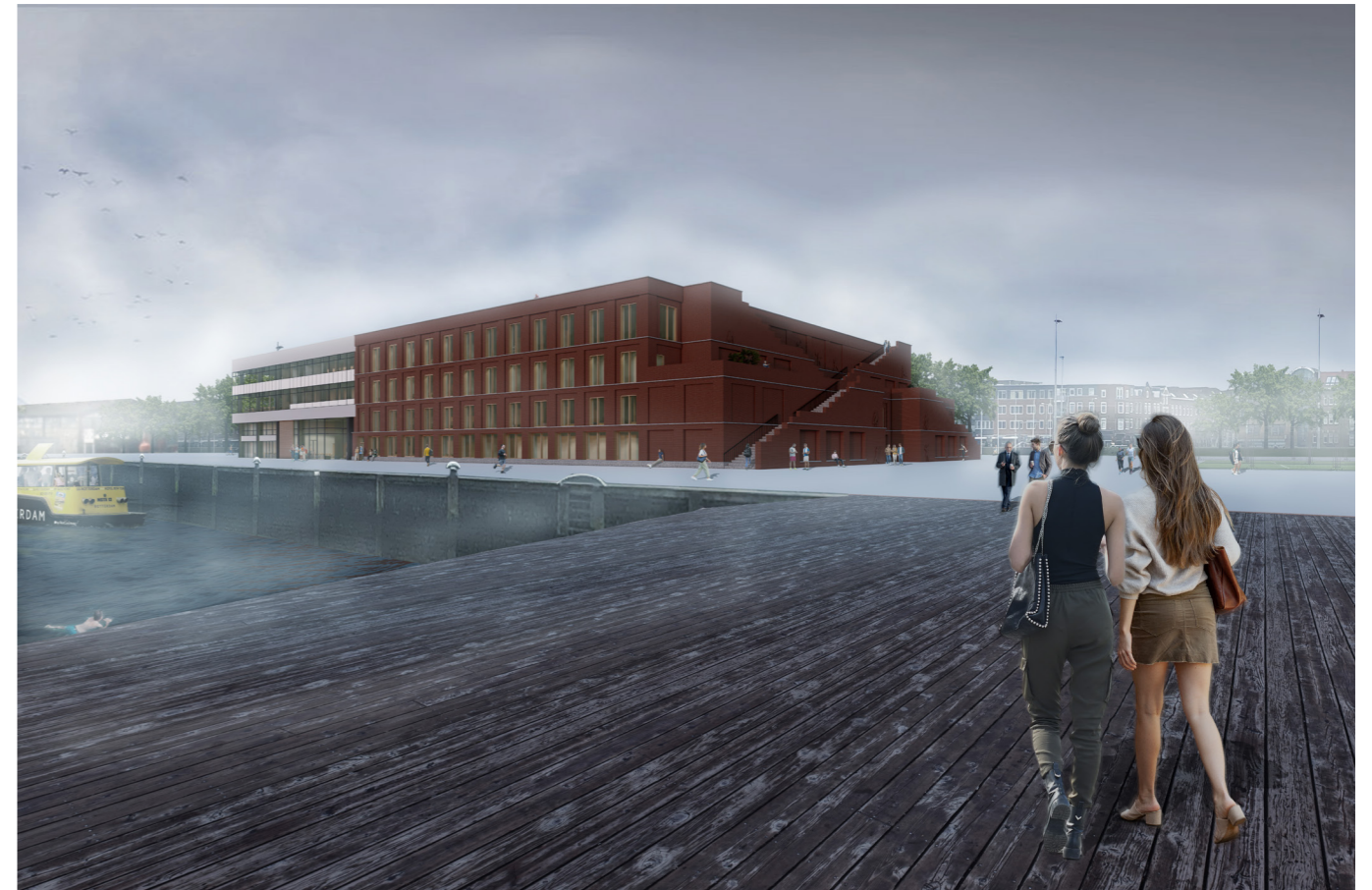
Client:
Technische Universiteit Delft

Type:
Education, sport, cultural heritage

Location:
Schiehaven, Rotterdam (NL)

Sports University of Applied Sciences 'SC010' is not only characterized by its dynamic urban representation resulting from the contrast in façades but also extends to the experiential aspect. This experience manifests through movement, social interaction, and promoting health, which reflects the building's function; sport. Thus, the dynamics are perceived in ways beyond the visual aesthetics. The atrium, for instance, encourages active movement and social interaction by distributing functions across different height levels connected by stairs. The roof comprises a combination of greenery and sports facilities. Naturally, physical and mental well-being benefits from movement and social interaction, but the indoor climate also has a crucial role. This

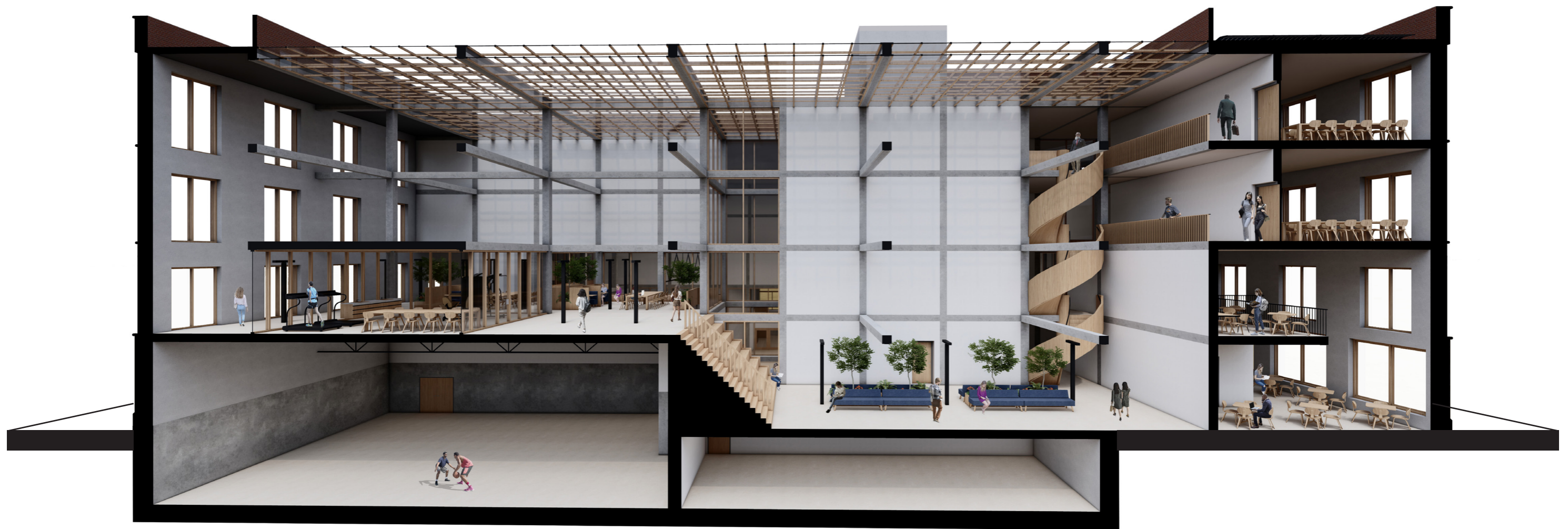
will be achieved through passive means, such as regulating thermal accumulation by utilizing the strong southwestern winds, creating a green living environment, ensuring good ventilation and daylight provision, and implementing sustainable energy solutions.



Perspective seen from the Schiehaven



Perspective seen from the main entrance



Perspective cross section | 1:150



East elevation | 1:600

West elevation | 1:600



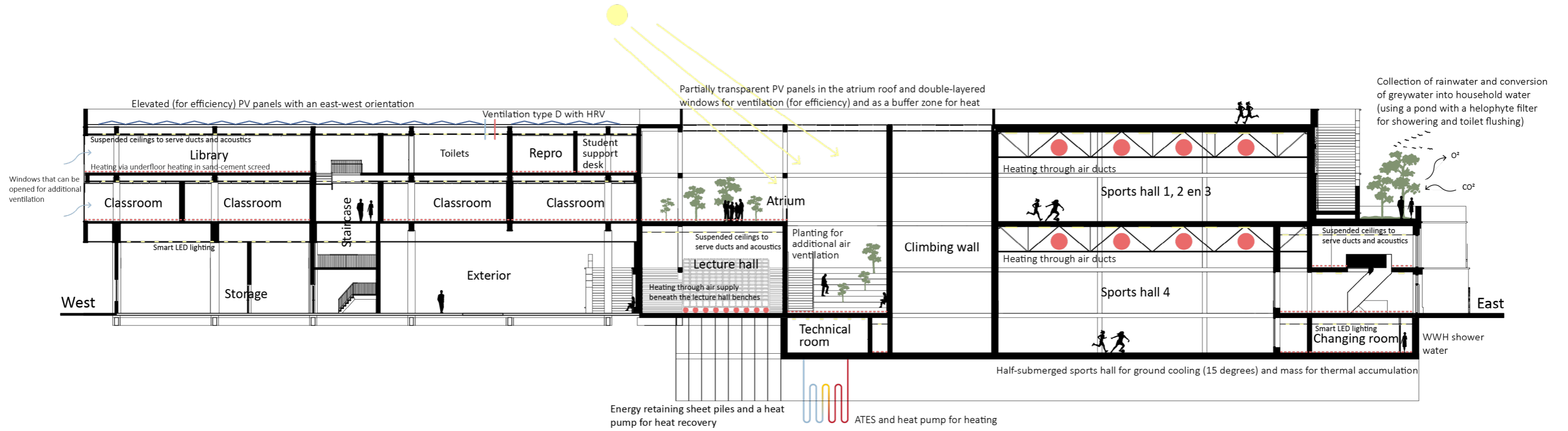
North elevation | 1:600



South elevation | 1:600



Façade fragment | 1:100

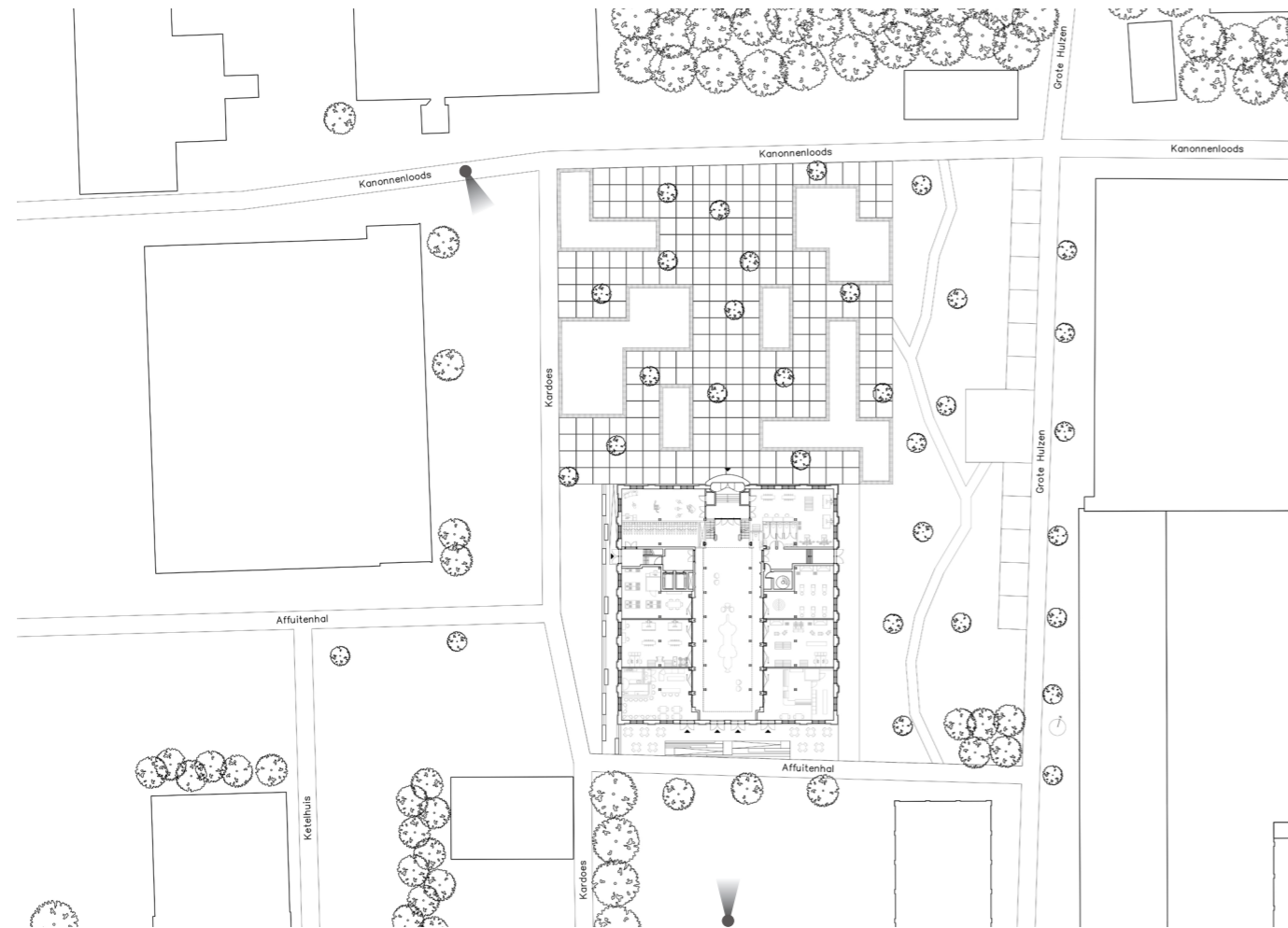


Climate design



Perspective longitudinal section | 1:300

Gebouw 8



Site plan | 1:1500

Bachelor's thesis

In collaboration with:
Jente Quax

Clients:
Hogeschool van Amsterdam & Gemeente
Zaandam

Chair:
Reconstructing architecture

Type:
Industrial heritage, mixed-use, circularity

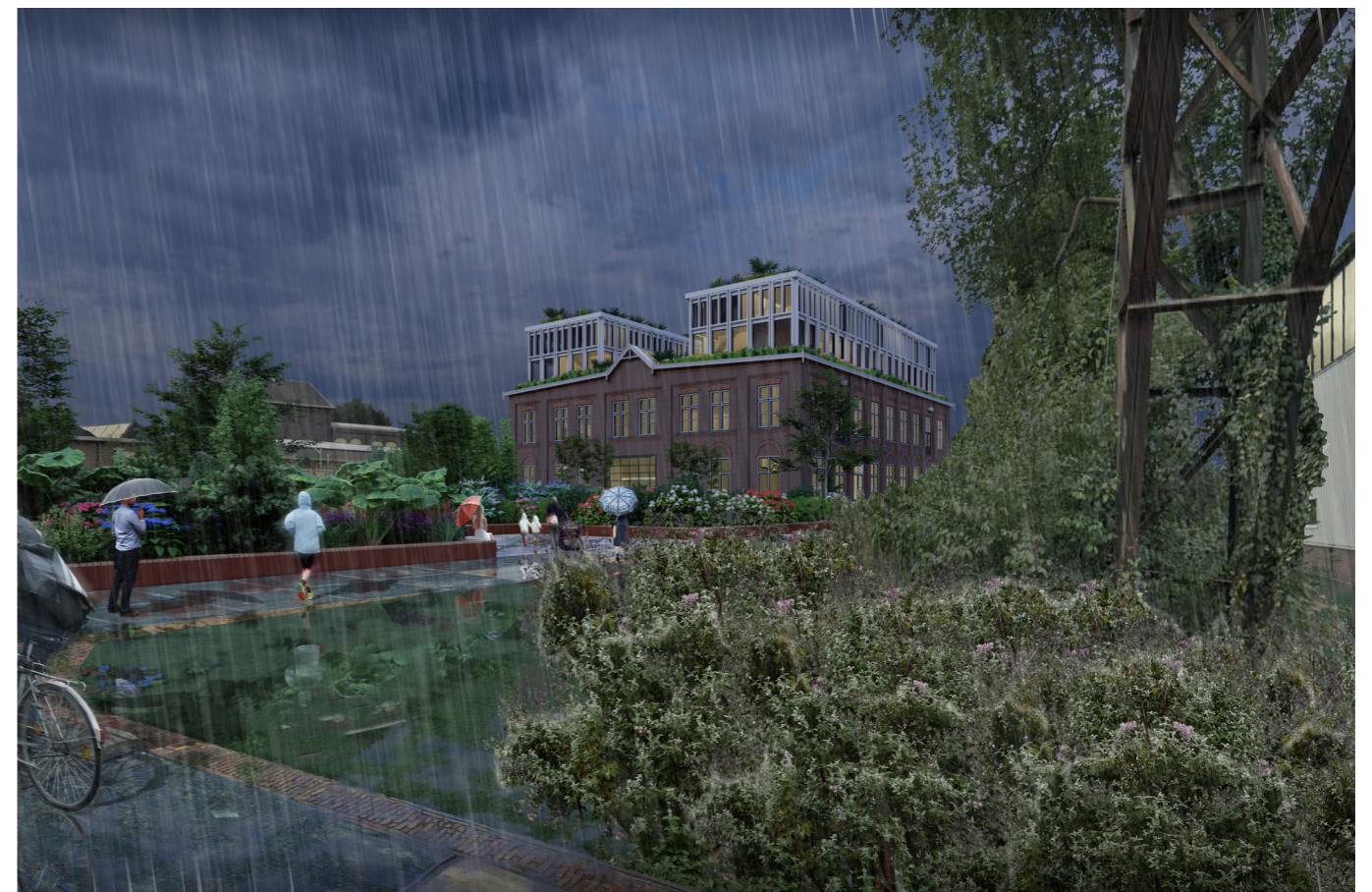
Location:
Hembrugterrein, Zaandam (NL)

The reconstruction of Gebouw 8 corresponds with the redeveloped site of Deelgebied 5, which will become the cultural heart of the Hembrugterrein. The building accommodates creative businesses, leisure activities, and dwelling. This programming is a response to the growing demand for meeting places in the city, residences, and flexible work locations where the focus lays on interaction, such as multi-company buildings, cafés and workplaces at home. At the same time, the building preserves its free-standing position, architectural elements and symmetrical façades. Altogether, this ensures that the existing relationship between building and context is not only maintained but also strengthened.

Thus the reconstruction gives new life to the status quo of the building but simultaneously the question arises as to how long this new life will last. Through the circularity and flexibility of its usage and (material) flows; the integral exchange of energy and food flows, the use of sustainable building materials, a demountable construction and a box-in-box system, the building will ensure that the monument is adaptable for the future.



Perspective seen from the Affuitenhal



Perspective seen from the Kanonnenloods



Campus nr. 06



Campus nr. 11



Campus nr. 12



Campus nr. 13



CENTRAL SQUARE



HUB



ROOF GARDENS



NEW IDENTITY



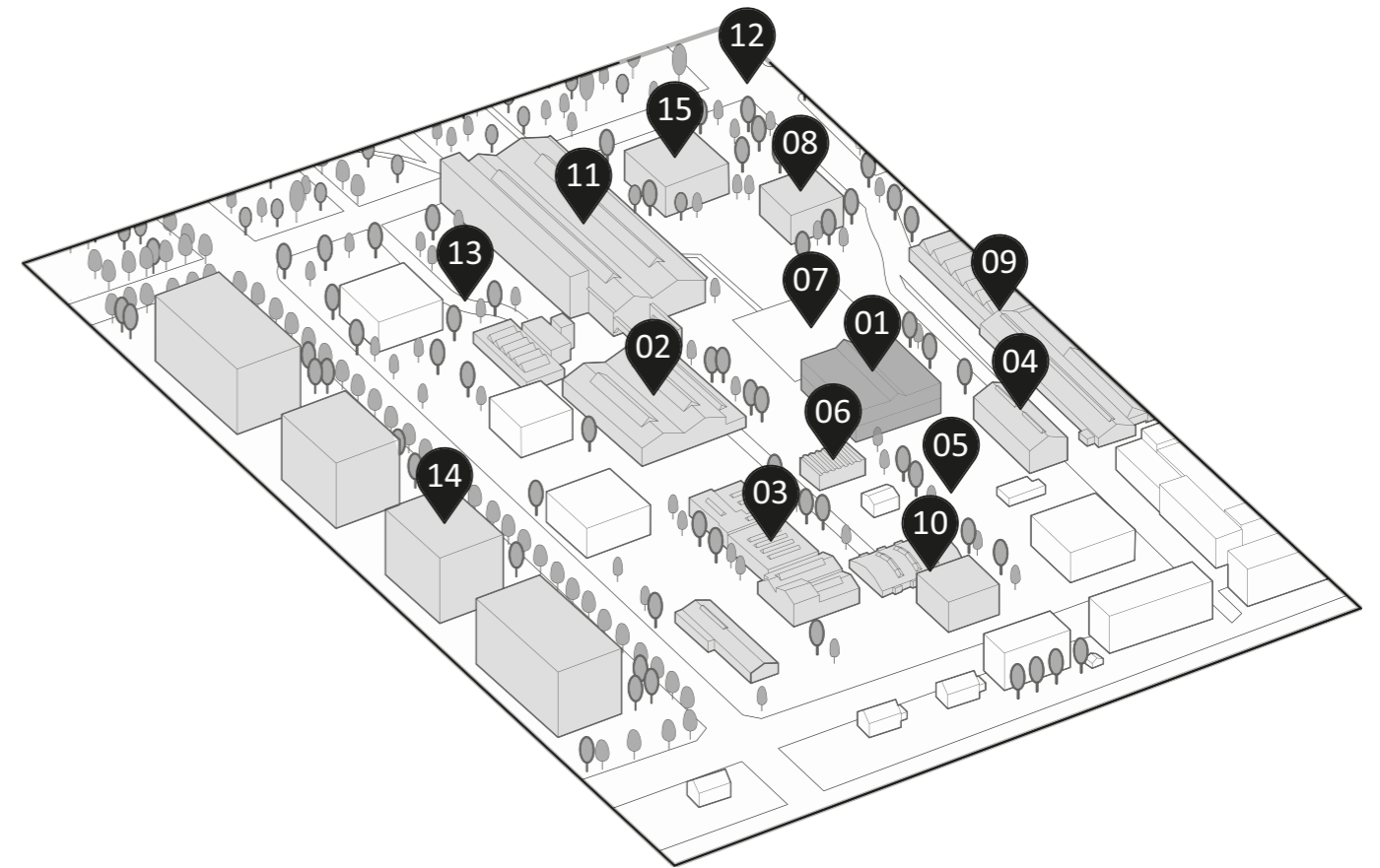
MATERIAL USAGE

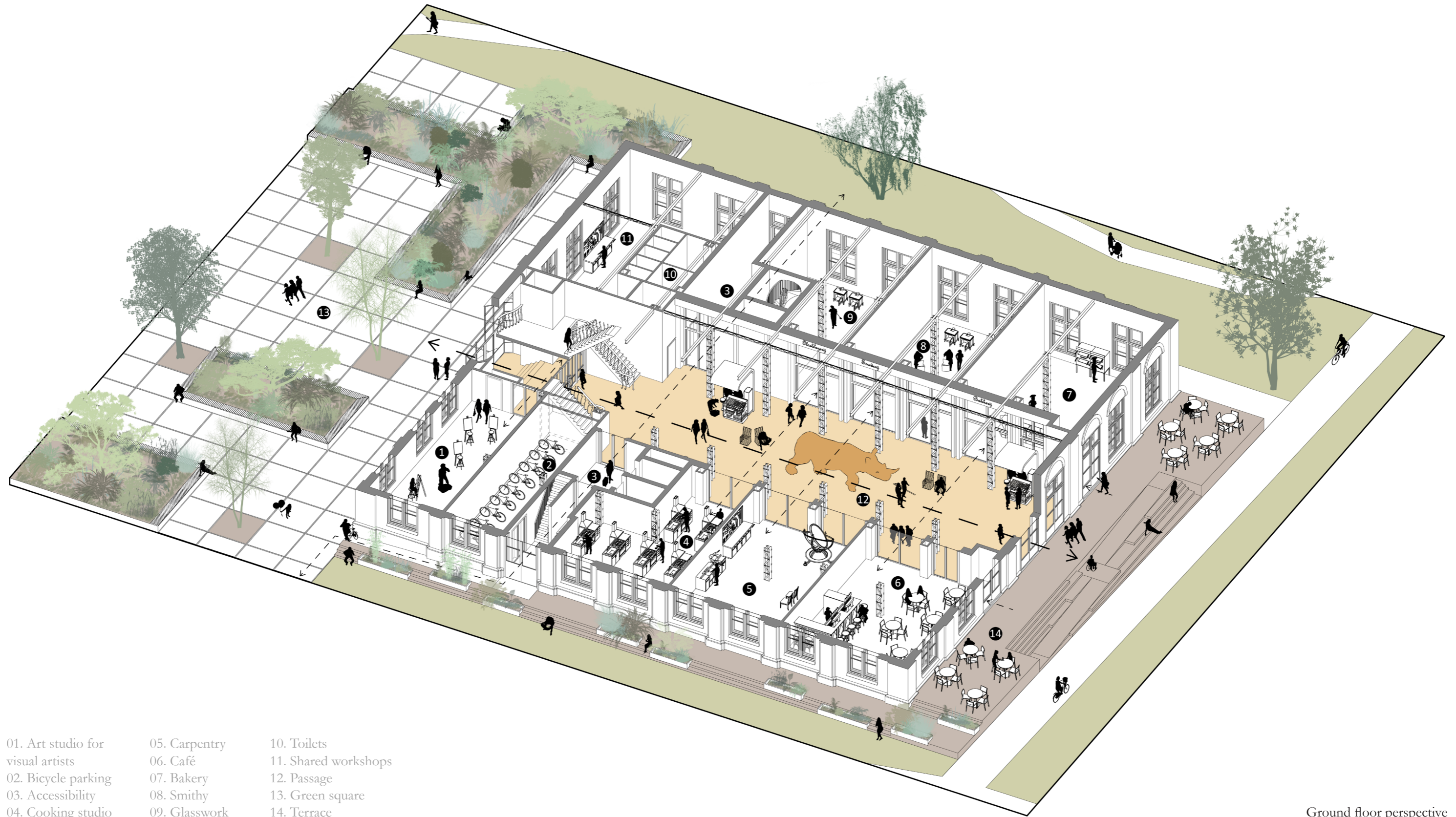


PUBLIC SPACES

Deelgebied 5, de Campus:

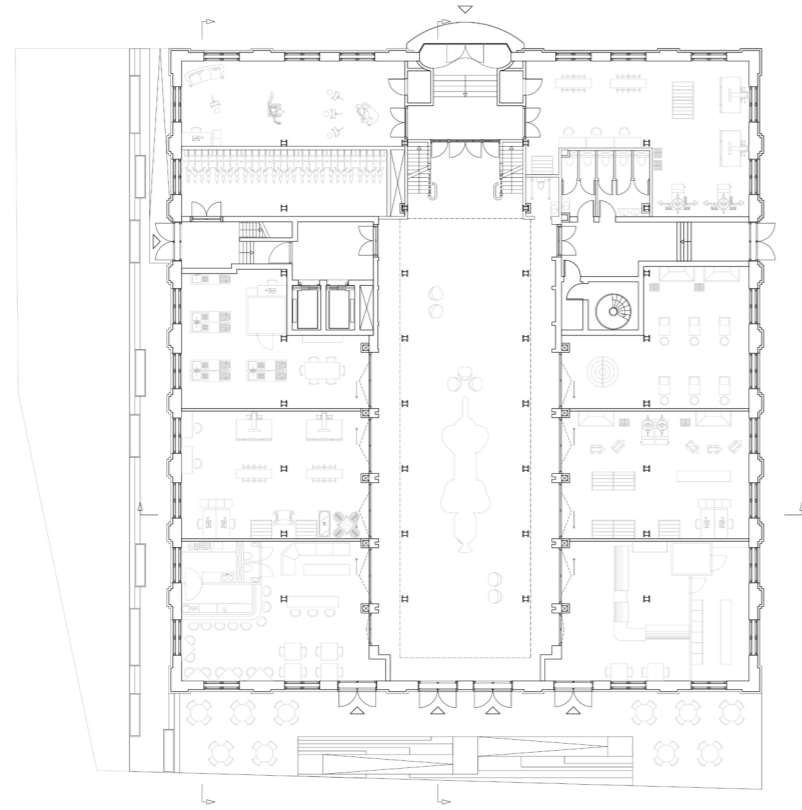
- 01. Gebouw 8, dwelling & working
- 02. Gebouw 290 / 336, 'Urban Farming Building'
- 03. Offices
- 04. Gebouw 14, hostel
- 05. Central square
- 06. Community centre
- 07. Green axis & square
- 08. HUB
- 09. Industry / recreation
- 10. Dwelling & working
- 11. Public shopping centre + parking garage 'De Campus'
- 12. Main road between neighbourhoods
- 13. Pathways (car-free neighbourhood)
- 14. New energyproducing housing projects
- 15. Water-purifying and drinking water-supplying building





- | | | |
|-----------------------------------|---------------|----------------------|
| 01. Art studio for visual artists | 05. Carpentry | 10. Toilets |
| 02. Bicycle parking | 06. Café | 11. Shared workshops |
| 03. Accessibility | 07. Bakery | 12. Passage |
| 04. Cooking studio | 08. Smithy | 13. Green square |
| | 09. Glasswork | 14. Terrace |

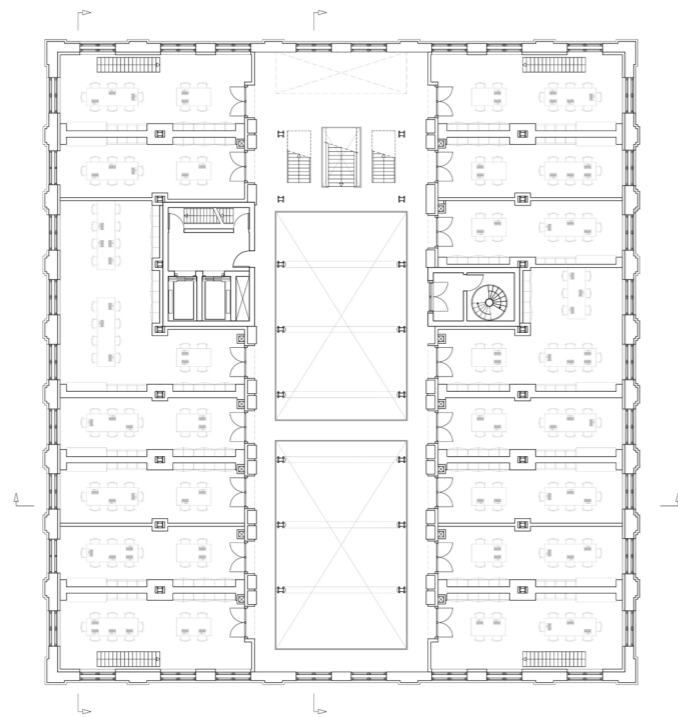
Ground floor perspective



Ground floor | 1:300



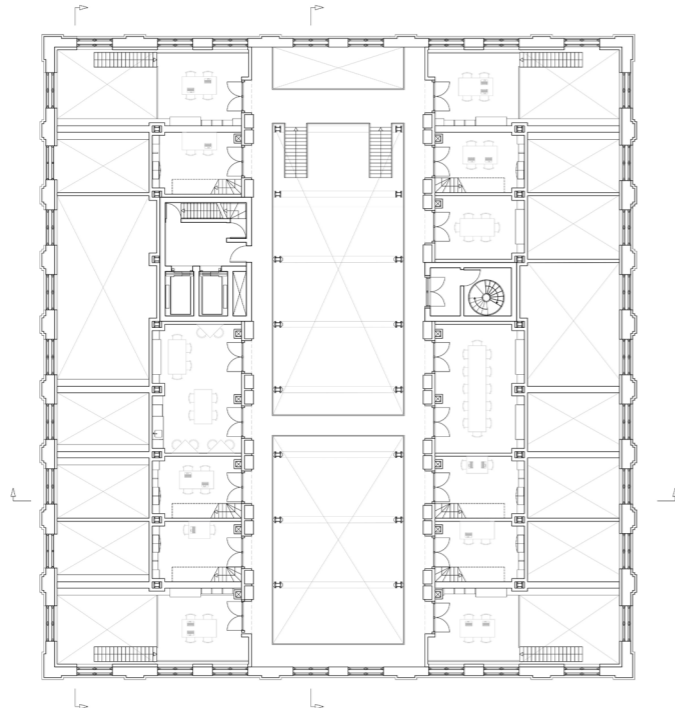
Perspective seen from the passage



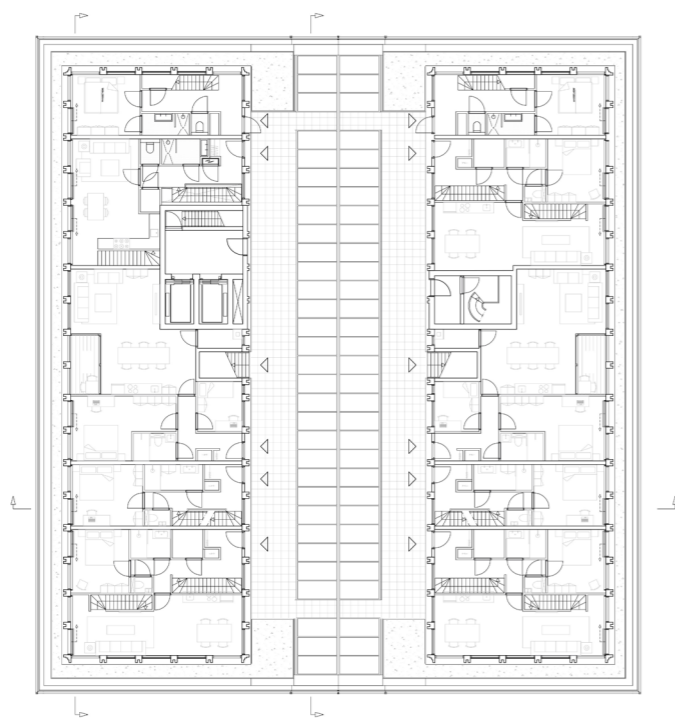
First floor | 1:300



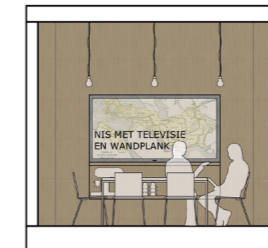
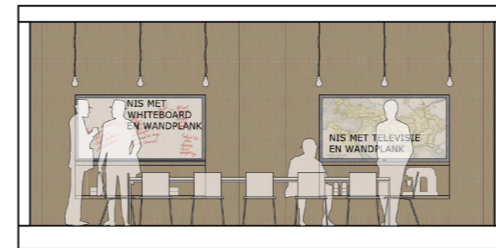
Perspective seen from the gallery



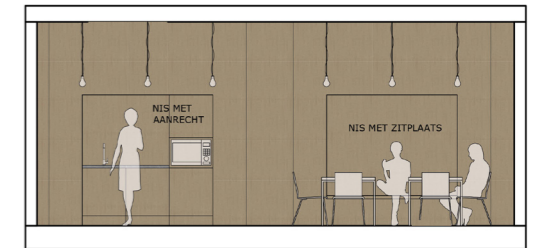
First floor – entresol | 1:300



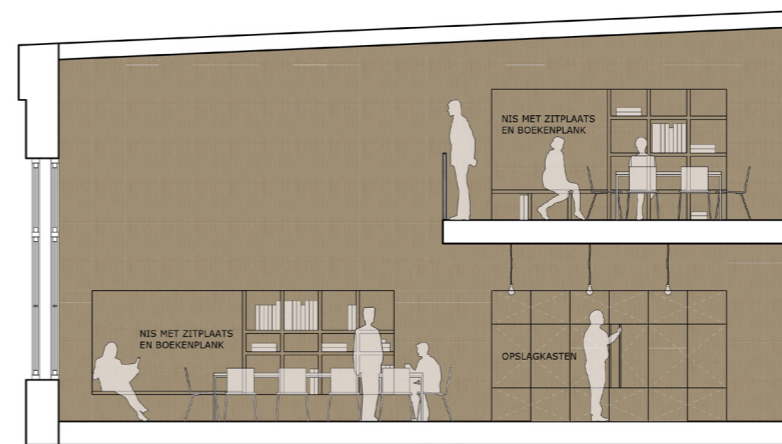
Second floor | 1:300



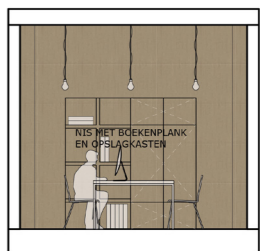
Large & small conference room



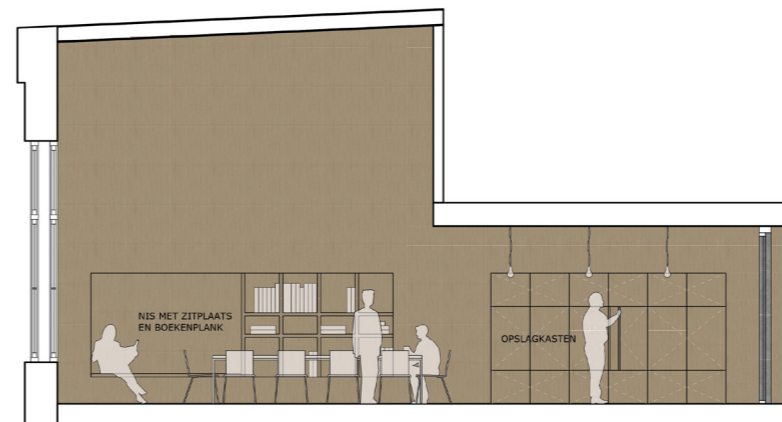
Canteen



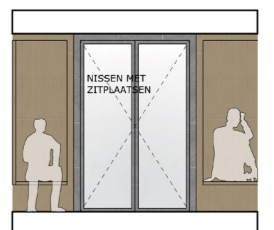
Large studio



Apartment live/work studio

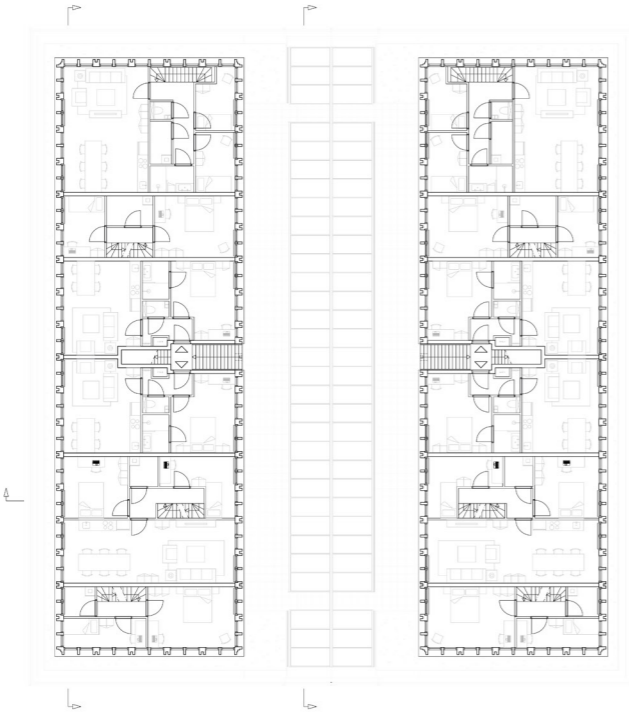


Small studio



Gallery

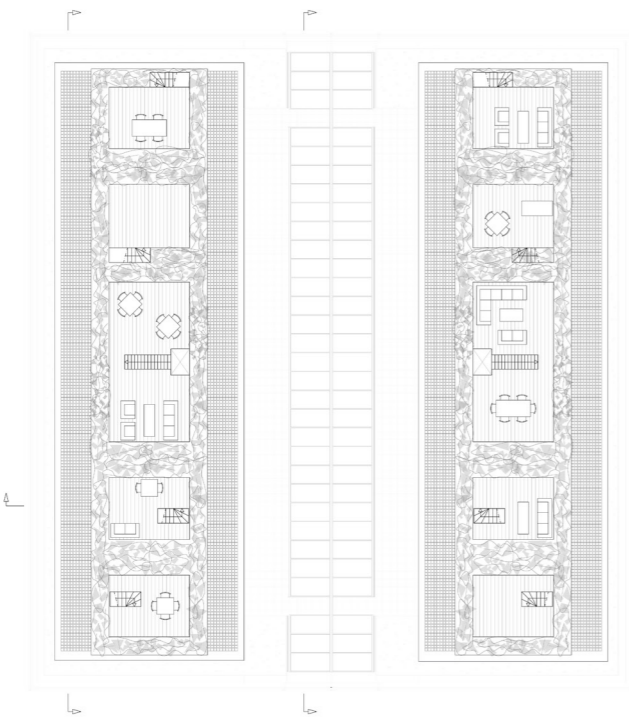
Multifunctional box-in-box studios with integrated furniture



Third floor | 1:300



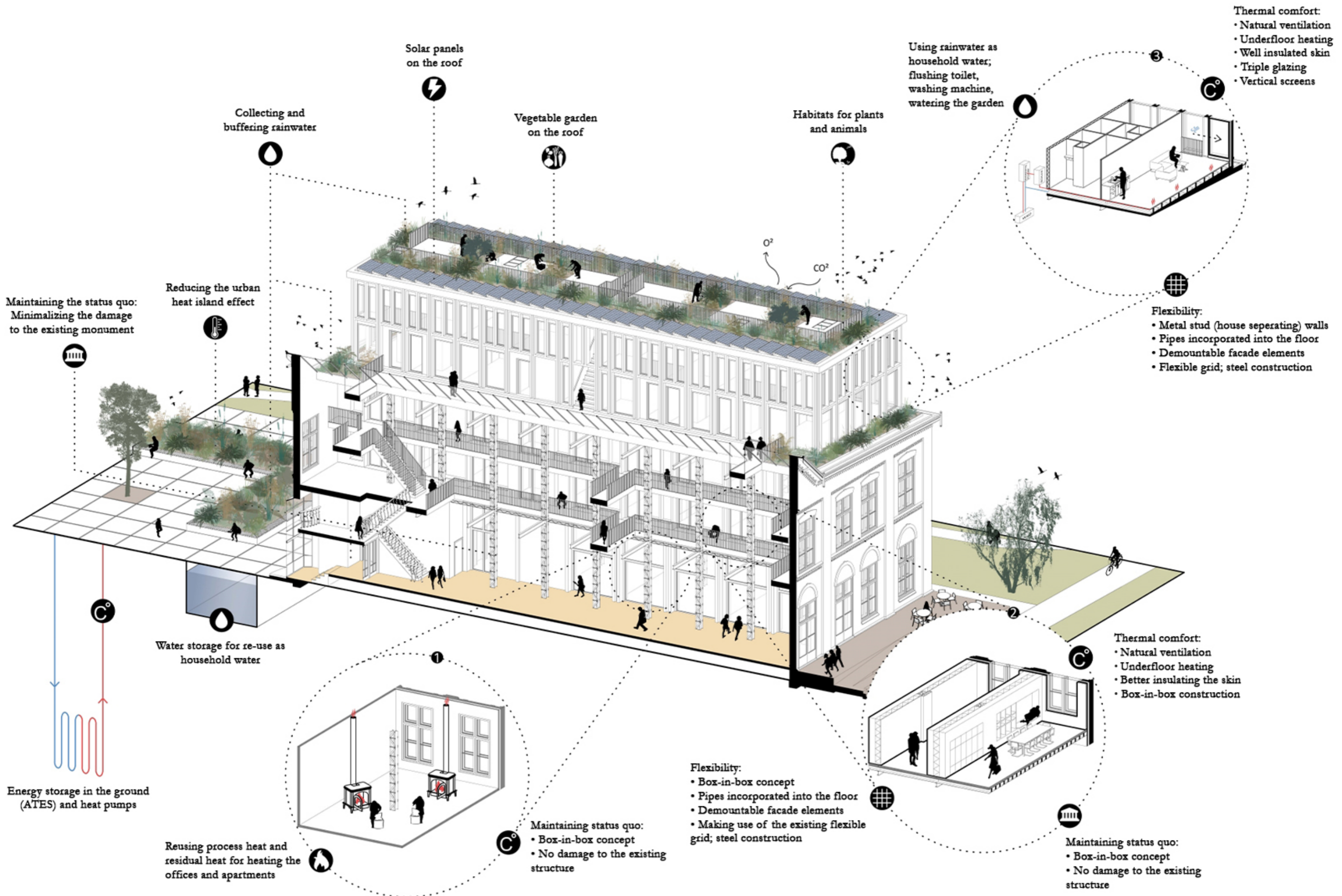
Perspective seen from the roof gallery

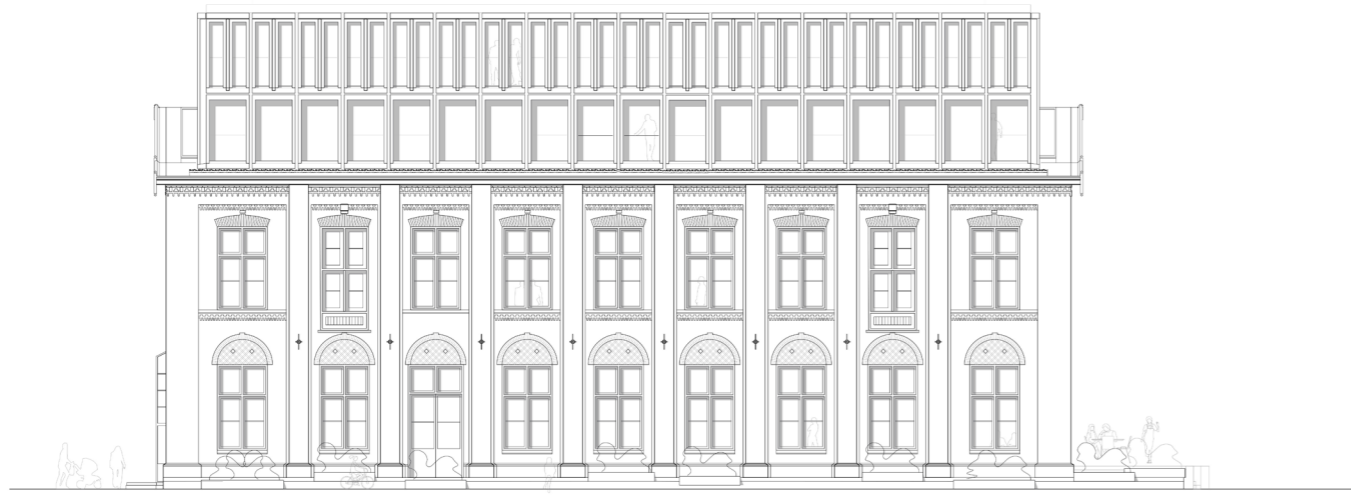


Roof gardens | 1:300

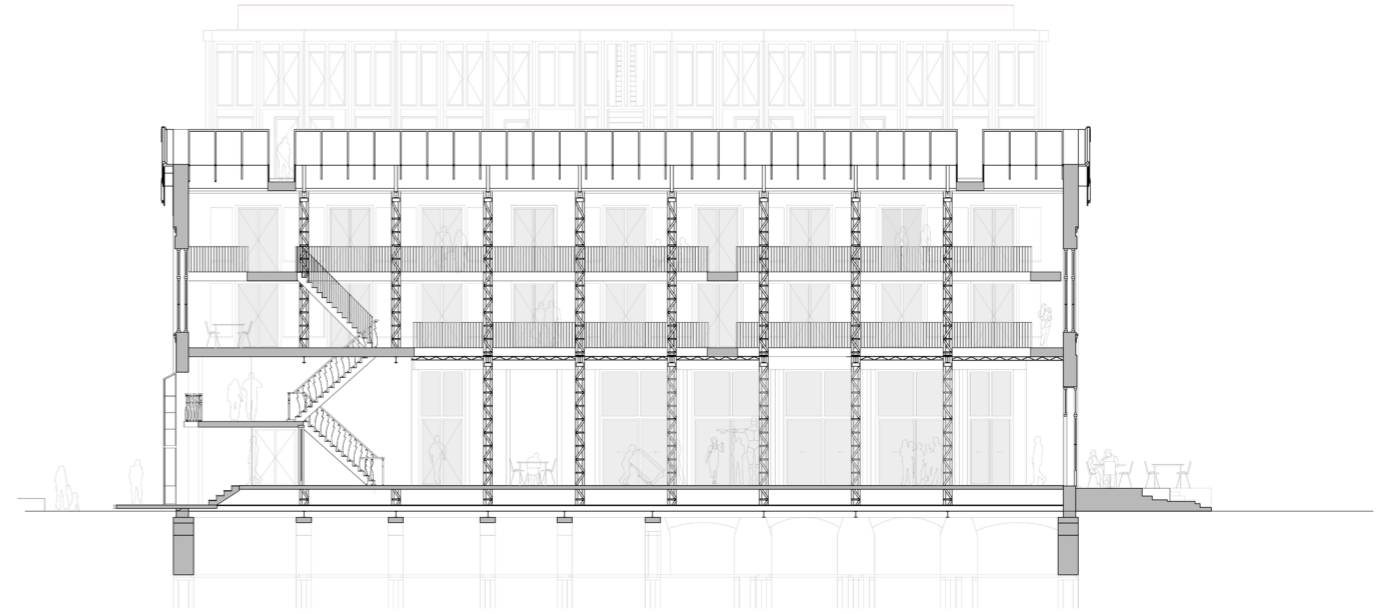


Perspective seen from the roof gardens

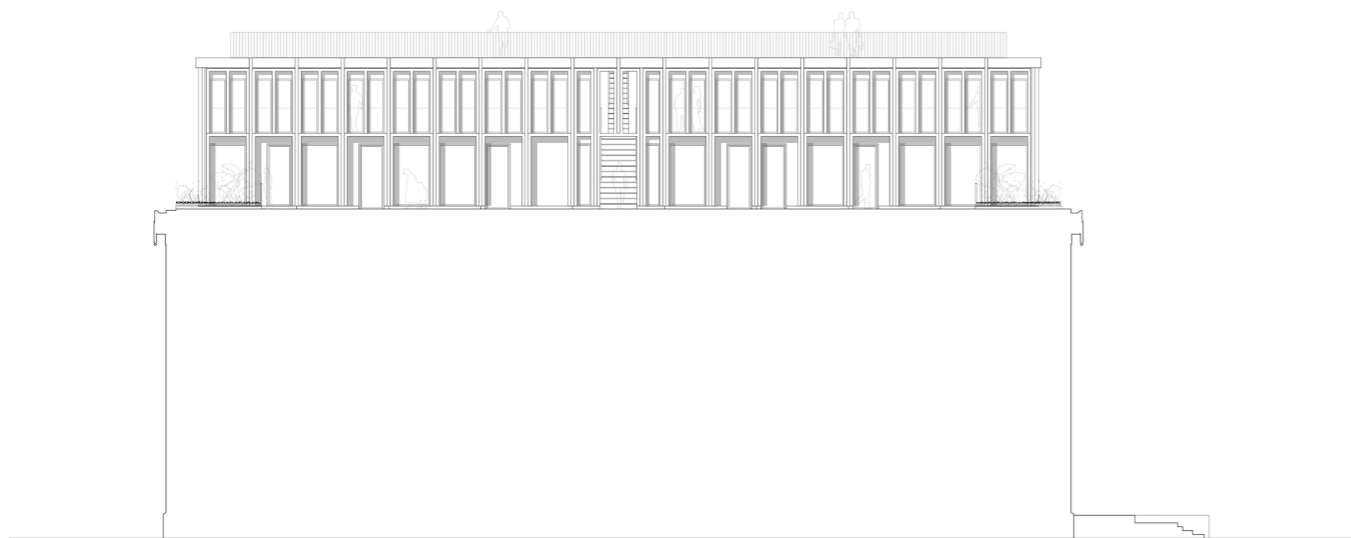




West elevation | 1:300



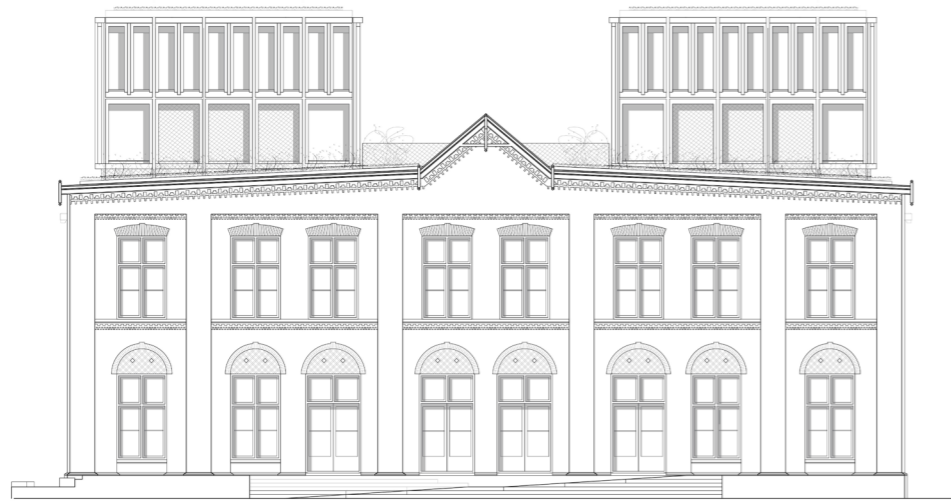
Longitudinal section | 1:300



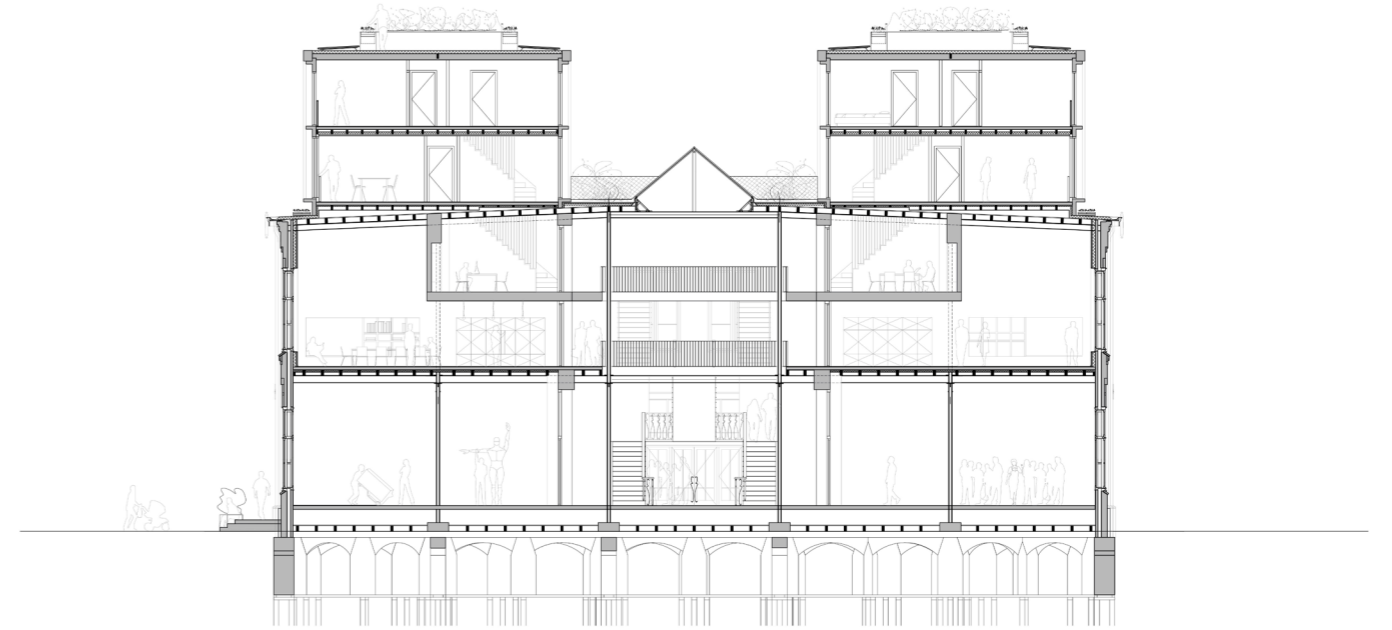
West elevation gallery | 1:300



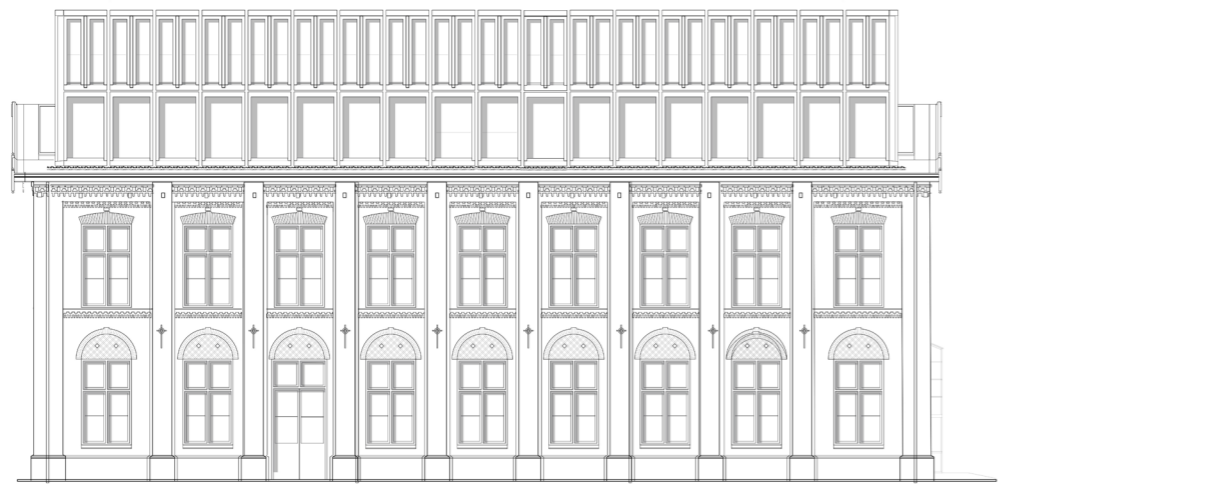
Longitudinal section | 1:300



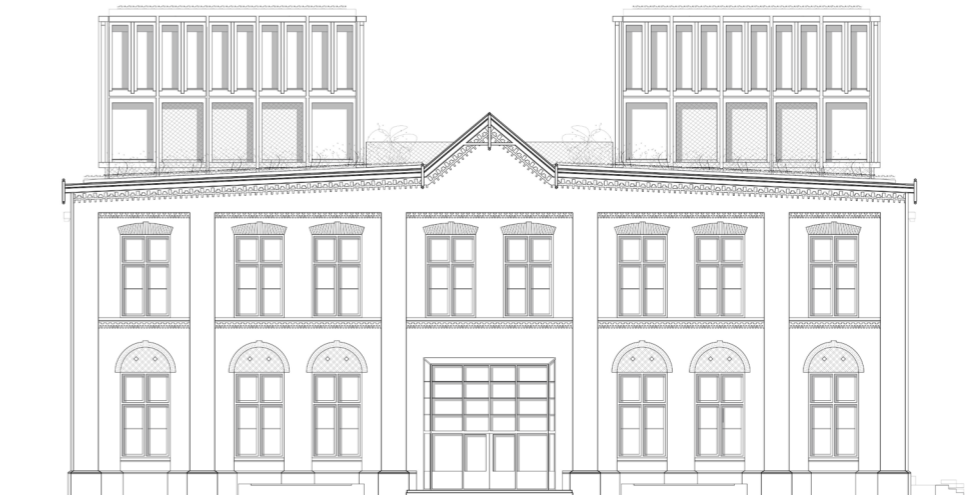
South elevation | 1:300



Cross section | 1:300



East elevation | 1:300



North elevation | 1:300



FLINDERS

Perspective seen from the Affuithal

B-Proud



Bird's eye view from above the Binckhorst

Internship at OZ

In collaboration with:
Jetze Schreij

Clients:
Local & Vorm

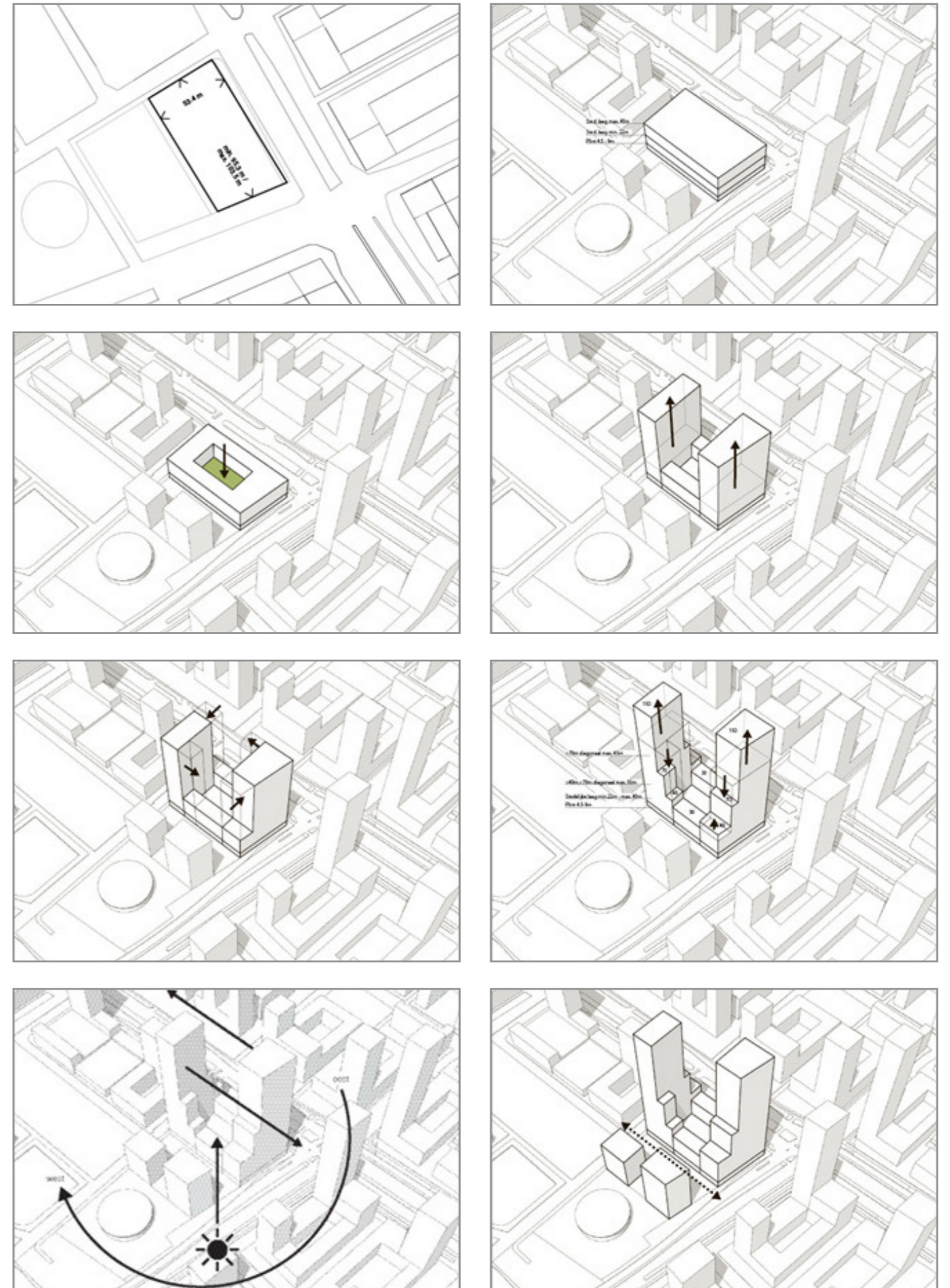
Type:
High-rise, mixed-use

Location:
Binckhorst, The Hague (NL)

Image credits:
Proloog & OZ

B-Proud is located on the Binckhorst Avenue and proudly displays its 140m high-rise towers as the welcoming image of the new Victory Boogie Woogie tunnel and as an addition to the skyline of The Hague. The first 40m consists of an urban layer with commercial spaces, homes and parking. Beyond this, the building provides homes and in the shifting volumes it contains facilities for working, recreation, and outdoor spaces, thus forming a vertical city. Together with architect Jetze Schreij, we were responsible for designing the volume and shape. After finishing the internship, the design underwent some changes. Although the idea of the overall shape still exists, its façade forms, materiality and heights were altered later in the design process and

was rebranded to BoogieWoogie. It is the only published project from my internship, making it the only project I can showcase.



Analysis and volume structure

Miscellaneous



Sketch of a street located in a small Zeelandic city

Various works

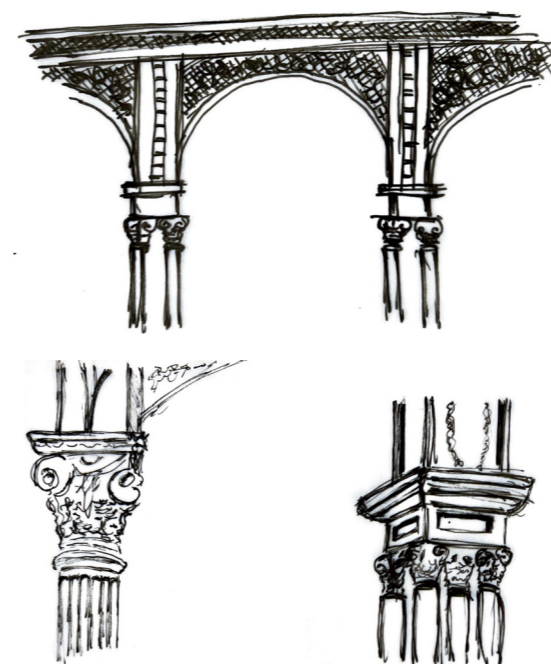
Type:
3D prints, physical models, hand sketches,
Revit models, analytical drawings

This section of miscellaneous work contains a selection of practical work I've done throughout my academic years, in addition to the previously shown projects. It shows a collection of 3D prints, physical models, and hand sketches that I've been using for analytical work and courses.

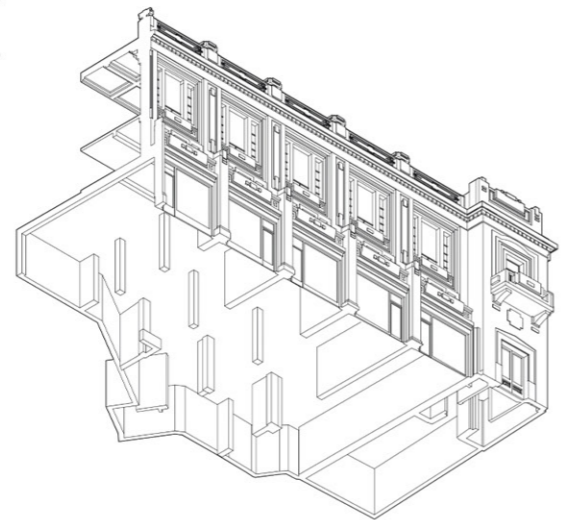
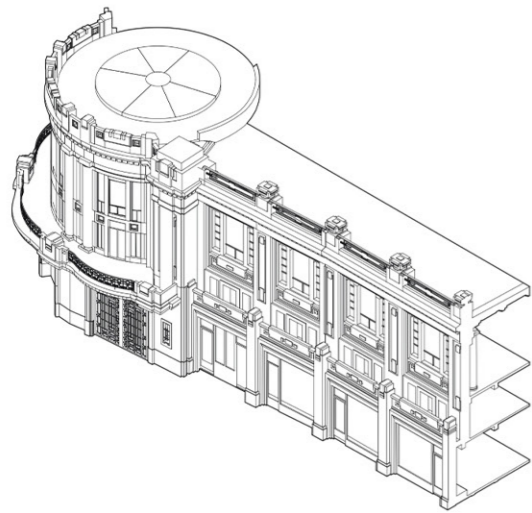
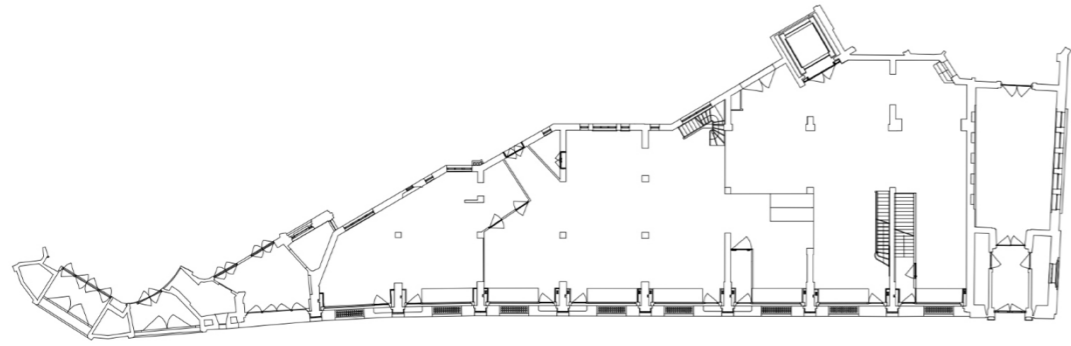
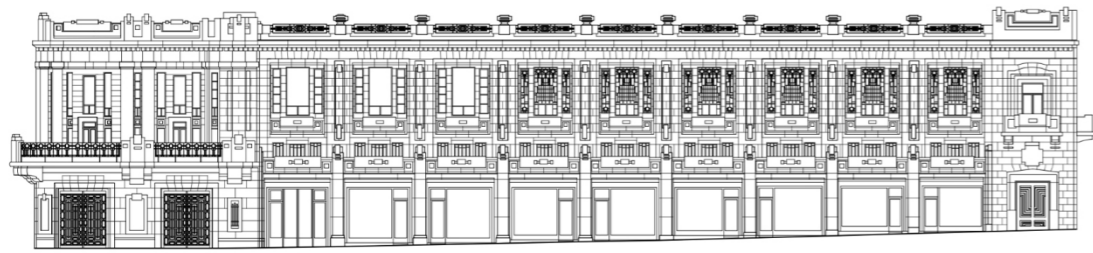
This is to show that an academic and architectural journey does not only consist of finished and design projects, but that it also includes my own interests, practical studies, analytical work and a creative progress that is part of a designing phase.



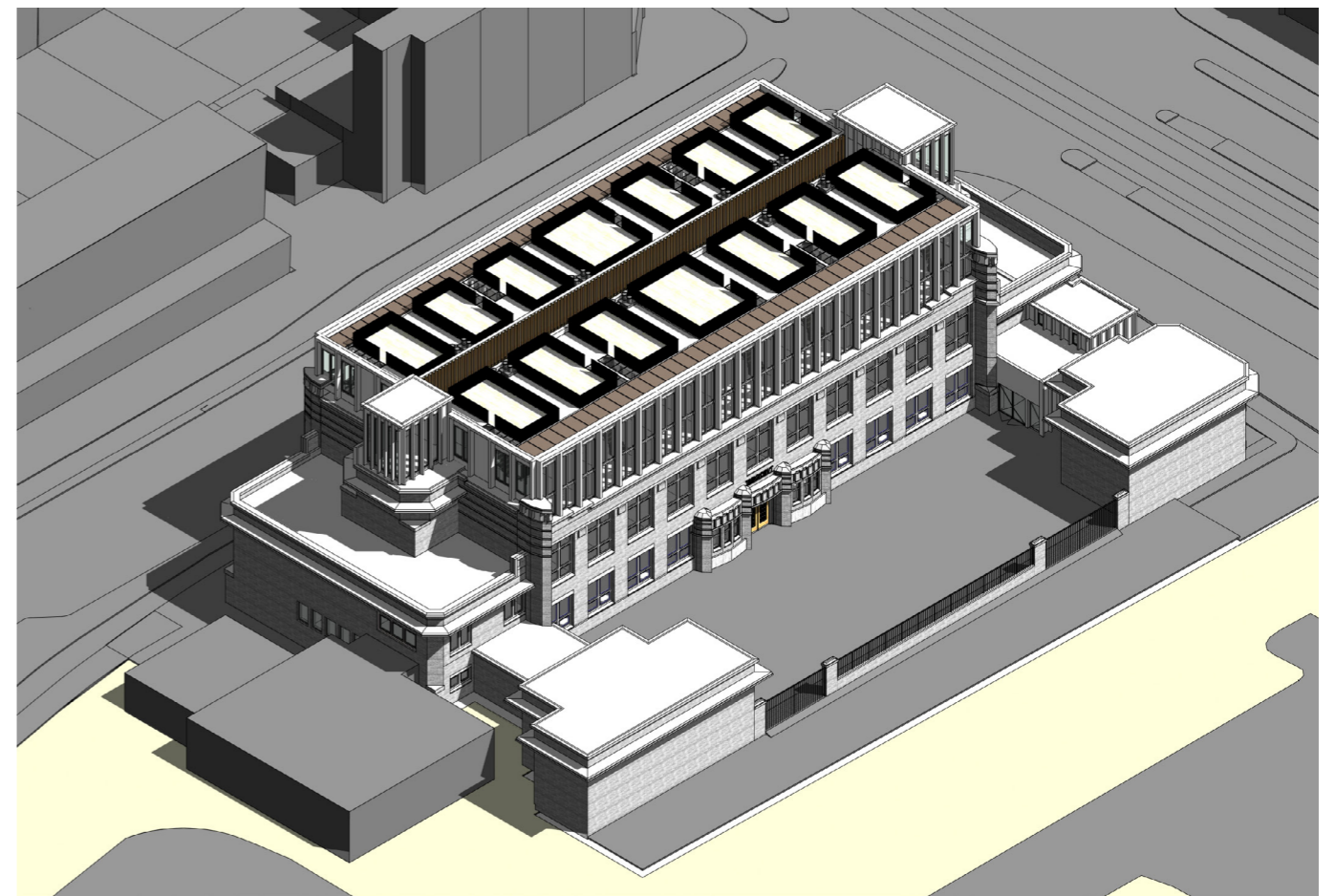
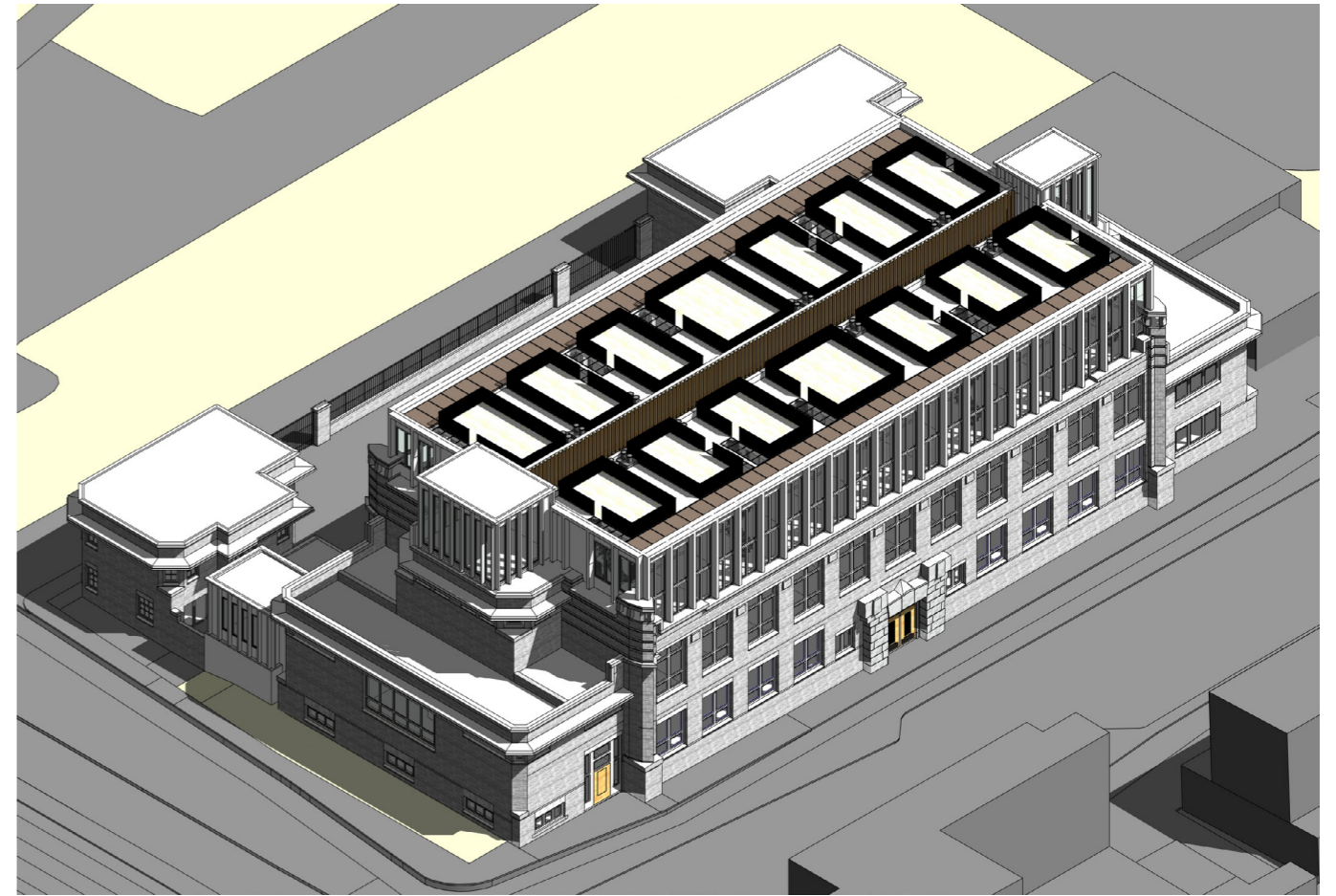
3D printed model of the Albert Hall Mansions



Sketches of the cast iron construction of the Paleis voor Volkslijt



Elevation, plan, and Choisy-style drawing of the BOZAR's Ravensteinfaçade



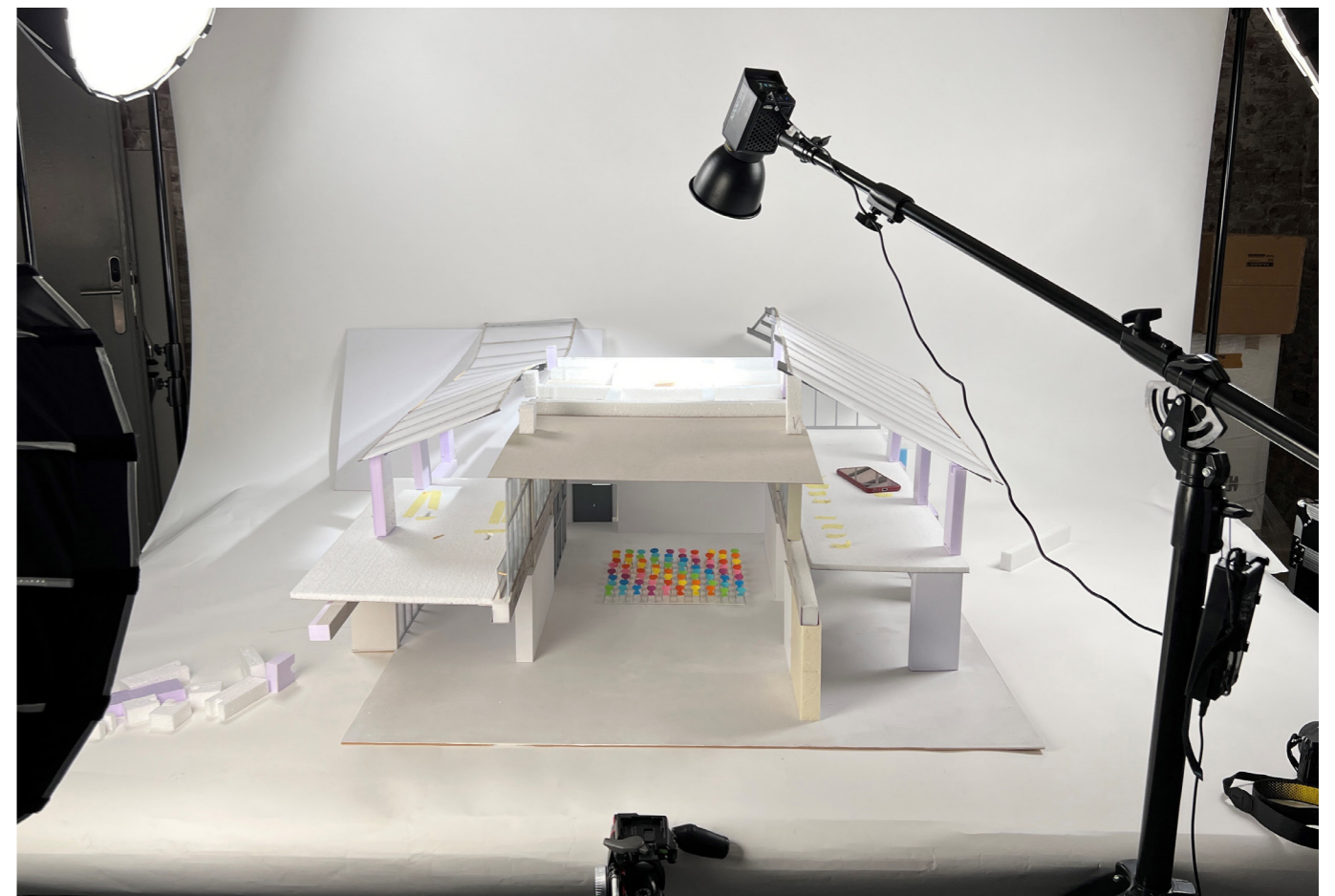
All of my projects have been modelled in Revit, above an example of a Revit model that I've created during my minor



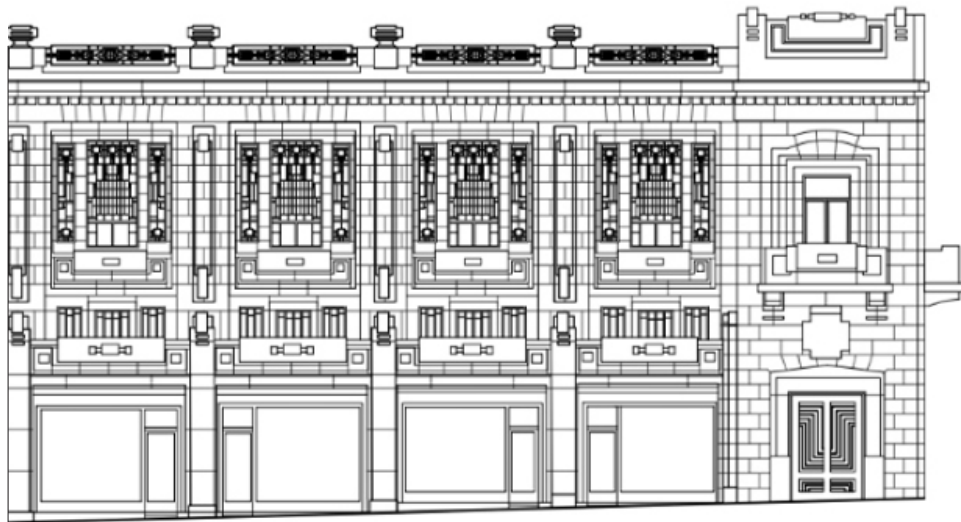
Original image, photographed by Philippe Ruault | top image



Recreated image | bottom image



The model and images were created in collaboration with Misha Nesty, Nicolas Bueno Vega and Julia Korpicka



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