

Architecture Portfolio

RITA ROCHA

2017



**RITA FORJAZ ROCHA**  
architect

Portugal | 14.10.1992  
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## index

CV

p.3

recomendation  
letters

p.4

projects

p.6

cafeteria

p.6

cultural center

p.8

teacher's  
residence

p.12

collective  
housing

p.14

GO!VOS

p.18

lab FAUP

p.20

120 hours

p.24

garage  
extruder

p.28

Schinkel and  
Berlin

p.26

## curriculum vitae

## WORK EXPERIENCE

Mar.2016-Aug.2016 **Internship**  
**gmp Architekten Berlin, Germany** (6 months)

Collaboration in the Design Development Phase of the Building Complex above Qianhai Bay's Integrated Transport Hub of Shenzhen Metro, China (apartment tower, office tower, hotel tower and transfer hall).

Sep.2015-Feb.2016 **Internship**  
**hg merz architekten Berlin, Germany** (6 months)

Collaboration in the detail plans for the reconstruction, modernisation and extension of the Staatsoper Unter den Linden, in Berlin.  
 Collaboration in the Concept Design Phase of the Foyer Daimler, in Stuttgart.  
 Collaboration in the Preliminary Design Phase of the Mercedes-Benz Niederlassung, in Frankfurt.

## EDUCATION &amp; QUALIFICATIONS

2010-2016 **Master's Degree in Architecture**  
**Faculdade de Arquitectura da Universidade do Porto, Portugal**  
 Grade: 16

2014-2015 **Erasmus Semester**  
**Technische Universität Berlin, Germany**

## SKILLS

## Software

- Autodesk AutoCAD advanced
- Adobe (Photoshop, Illustrator, InDesign) advanced
- Rhinoceros advanced
- Office (Word, Excel and PowerPoint) advanced
- Vray intermediate
- ArchiCAD intermediate
- Sketchup intermediate

## Languages

- Portuguese native
- English advanced
- German upper intermediate
- Spanish upper intermediate

## INTERESTS &amp; ACHIEVEMENTS

## Sports

- 2013-2015 lifeguard, Portugal
- 2012 UIM 2012 "O oceano ibérico. Os Açores, uma ponte na conexão americana"
- 2009 420 sailing world cup, Italy

## Drawing, writing, reading

- 2015 publication in Berlin Transfer - Hybrid Modernities, Rainer Hehl & Ludwig Engel (Eds.)
- 2012 collaboration in the newspaper "El Comercio"
- 2007-2010 collaboration in the magazine "Defacto"

## Traveling

- 2009 organization of schooltrip to Madrid and ARCO

## AWARDS

Garage Extruder: BUCHPREIS  
 in Concrete Design Competition 2014/15  
 STRUCTURE  
 (www.concretedesigncompetition.de)

## PERSONAL STATEMENT

I consider myself a sympathetic and open minded person who likes creative, encouraging and thrilling environments. Architecture design fascinates me because of its never ending possibilities and the idea of creating a building from sketch to 1:1 details. Regarding working skills I can assure you that I am a hardworking person and that I am very passionate about every project I get involved in. I am always willing to improve myself as well as my skills. I also constantly look for new activities that can enrich me as a person.

Studing Architecture was a challenge that I took gladly. My experience as an intern allowed me to dive into the professional world and to improve my knowledge about office dynamics. After having finished my studies with distinction, I am currently eager to go further and assume more responsibilities as an architect.



# recommendation letters

prof hg merz

berlin 29|02|2016 Praktikumszeugnis

Frau Rita Forjaz Rocha, geboren am 14.10.1992, absolvierte vom 01.09.2015 bis zum 29.02.2016 ein Praktikum in unserem Büro.

Frau Rocha hat in dieser Zeit an folgenden Projekten mitgearbeitet und dabei unter Anleitung die aufgelisteten Aufgaben innerhalb des Projektes ausgeführt:

**Staatsoper Unter den Linden**  
Denkmalgerechter Umbau, Modernisierung und Erweiterung des Opernhauses,  
Unter den Linden 7, 10117 Berlin

- Mitarbeit an der Erstellung von Detailplänen im Maßstab 1:1 bis 1:20

**Foyer Daimler Stuttgart**  
Mitarbeit bei der Konzeption

- Erstellen von Grundrissen, Schnitten, Ansichten im Maßstab bis 1:50

**Mercedes-Benz Niederlassung Frankfurt**  
Mitarbeit bei der Entwurfsplanung

- Erstellen von Grundrissen, Schnitten, Ansichten, Details im Maßstab 1:200 bis 1:1 zu den Themen:  
Treppenplanung, Trockenbau, Tischlerarbeiten, lose Möblierung
- Erstellung der Deckenspiegel

Frau Rocha hat die komplexen Prozesse in unterschiedlichen Projekten kennen gelernt und sich sehr gut darauf eingestellt.  
Die CAD-Planung der Projekte erfolgte mit ArchiCAD 16 for Teamwork auf Apple Macintosh.

Die ihr übertragenen Aufgaben hat Frau Rocha zu unserer vollsten Zufriedenheit erledigt. Sie arbeitete zuverlässig und genau und bewältigte auch hoch komplexe Aufgaben sicher.

Wir bedanken uns sehr für die gute Zusammenarbeit und wünschen ihr für ihre persönliche und berufliche Zukunft alles Gute und weiterhin viel Erfolg.

Mit freundlichen Grüßen

ppa. Joachim Münzig

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**gmp**  
International GmbH  
architects and engineers

Frau  
Ana Rita Forjaz Rocha  
Rua Gil Vicente 52 Direito  
4715-193 Braga  
Portugal

## Letter of Reference – Internship

Ms. Ana Rita Forjaz Rocha, born 14.10.1992, worked as an intern from 01.03.2016 to 31.08.2016 in our Berlin architectural office.

During her internship, Ms. Forjaz Rocha became acquainted with a variety of tasks of an architectural office and participated independently in different areas of work. The main focus of her duties was in the following project:

**Building Complex above Qianhai Bay's Integrated Transport Hub of Shenzhen Metro, China**  
Collaboration in the Design Development Phase  
Apartment tower: Façade design, 3D Model, Sections, Elevations, Details  
Office tower: Façade design, 3D Model, Floorplans, Sections, Elevations  
Office tower 2: Façade design, interior design, 3D Model, Floorplans, Sections, Elevations, Details, Ceiling Plans  
Transfer Hall: 3D Model, Floorplans  
Preparation of PowerPoint presentations

She was able to quickly become accustomed to the computer programs used (AutoCad, SketchUp, Photoshop, PowerPoint) and worked with them adeptly.

Ms. Forjaz Rocha always worked independently with great care and accuracy on the tasks assigned to her. She has well-founded knowledge which enabled her to fulfil her duties to our complete satisfaction.

We appreciate Rita Rocha as an always friendly and helpful colleague. Her personal behavior towards superiors and colleagues was always perfect and cooperative, which qualified her to work in the team.

Ms. Forjaz Rocha leaves our office in order to continue her studies. We thank her for always good cooperation and wish her all the best in her future career.

Berlin, 31.08.2016

  
Dipl.-Ing. Stephan Schütz

Managing Directors  
Prof. Dr. h.c. mult. Dipl.-Ing.  
Meinhard von Gerkan  
Prof. Dr.-Ing. h.-c.  
Volker W. Marg

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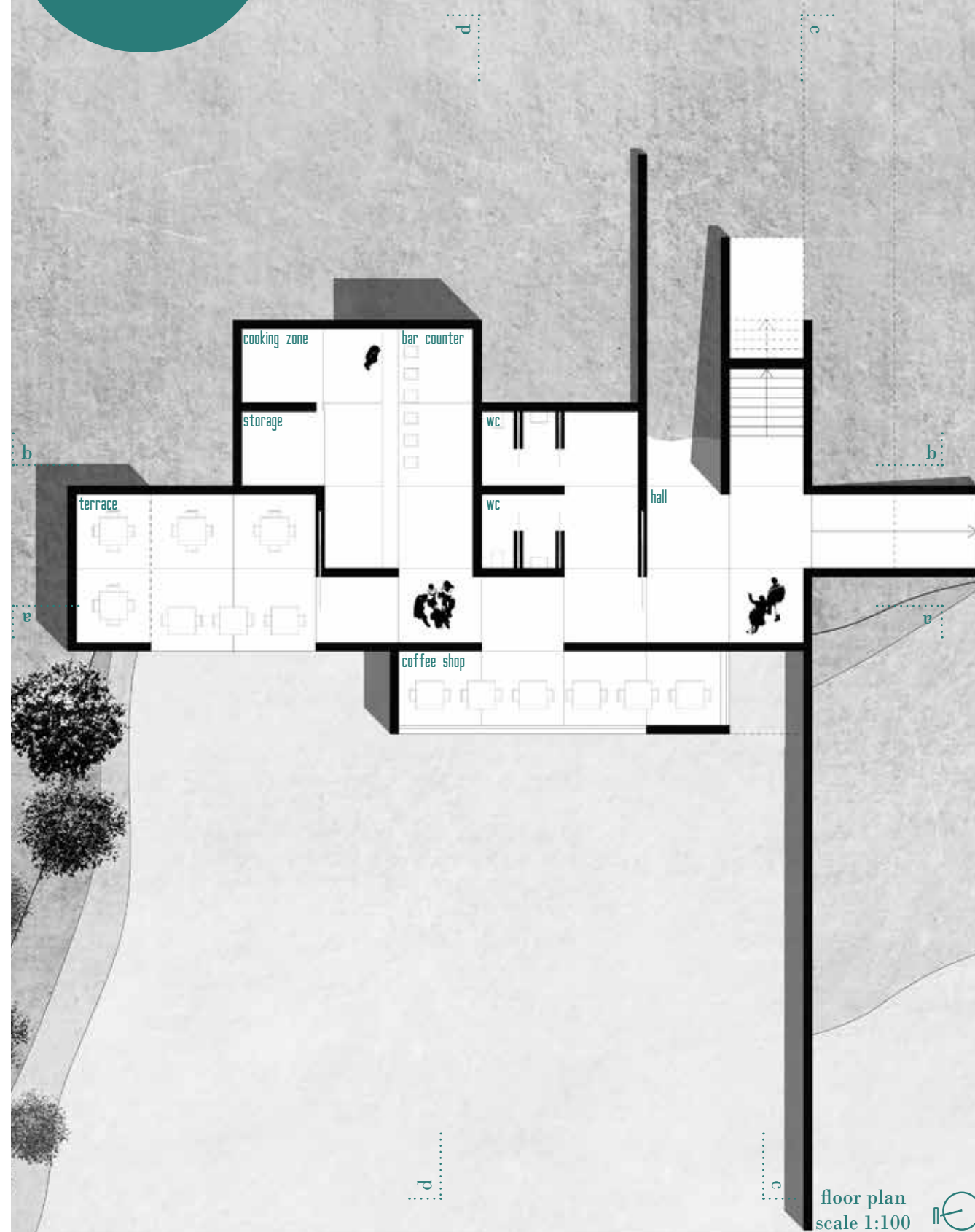
www.gmp-architekten.de



6

academic work  
cafeteria  
2011

The unique site of this project with no buildings in the surroundings and deeply inserted in the middle of the Oporto's City Park was quite an interesting challenge. The concept was to exalt the nature and to qualify the interior spaces through the relation that they establish with the outside, a relation that is different from space to space.

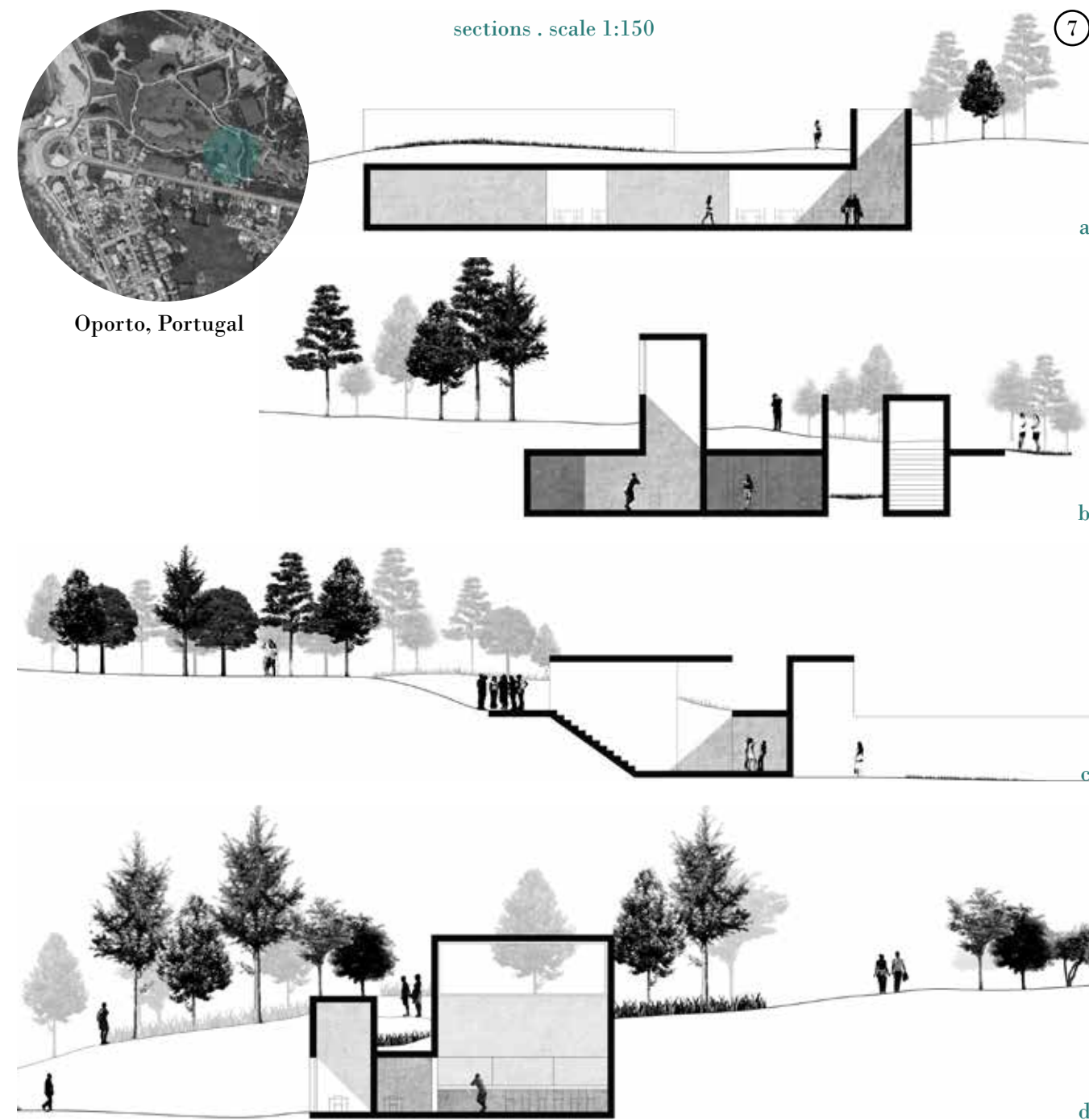


7

sections . scale 1:150



Oporto, Portugal







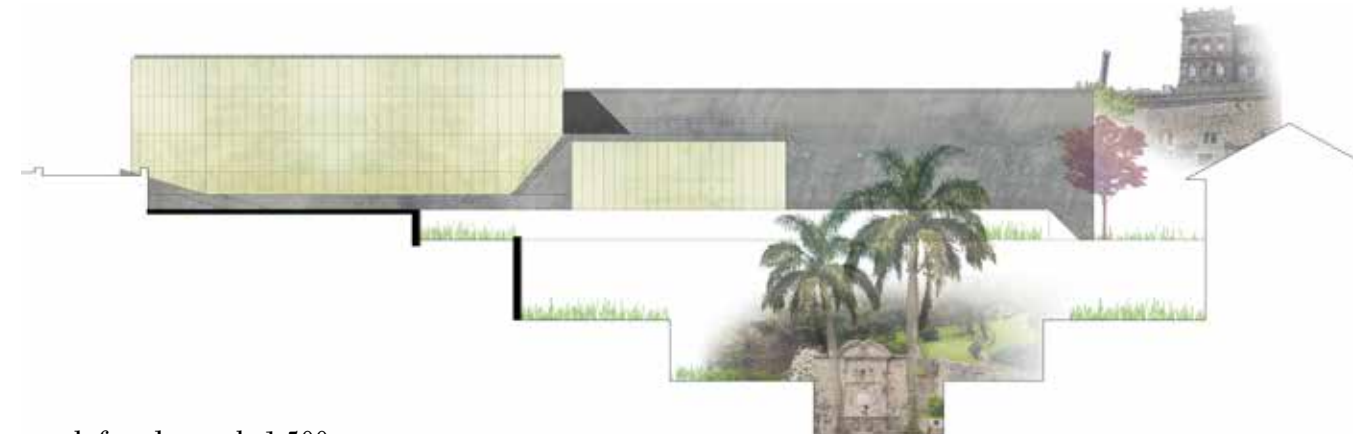
The two volumes elevate themselves from the square valuing not only the relation with each other but also drawing the exterior space. The project tries to establish a strong relation with the site in which it implants and also improve it. The articulation with the “Jardim das Virtudes” was also a very studied aspect.



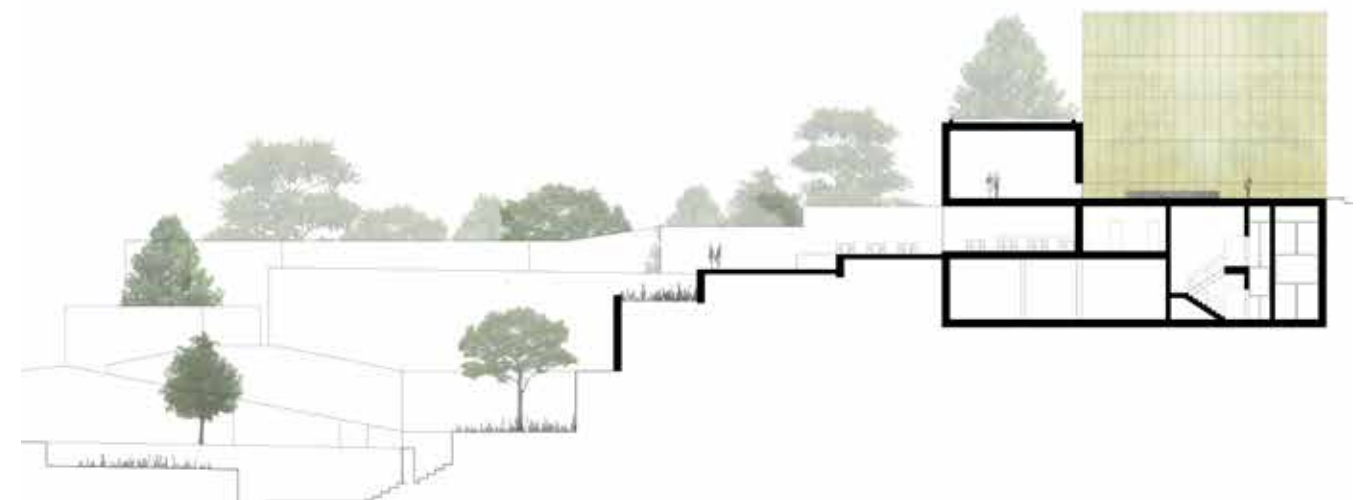
Oporto, Portugal



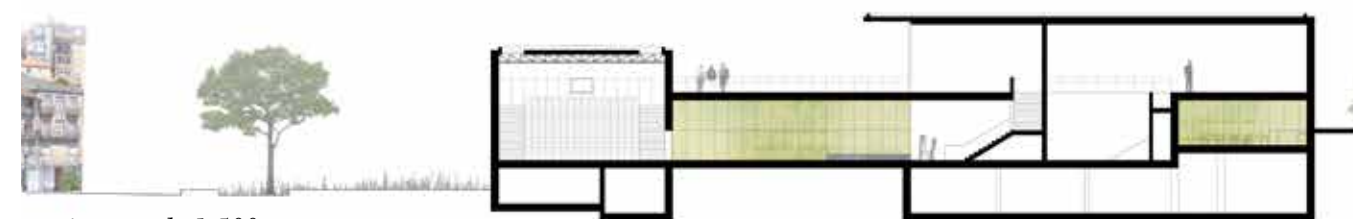
east facade . scale 1:500



south facade . scale 1:500



section . scale 1:500



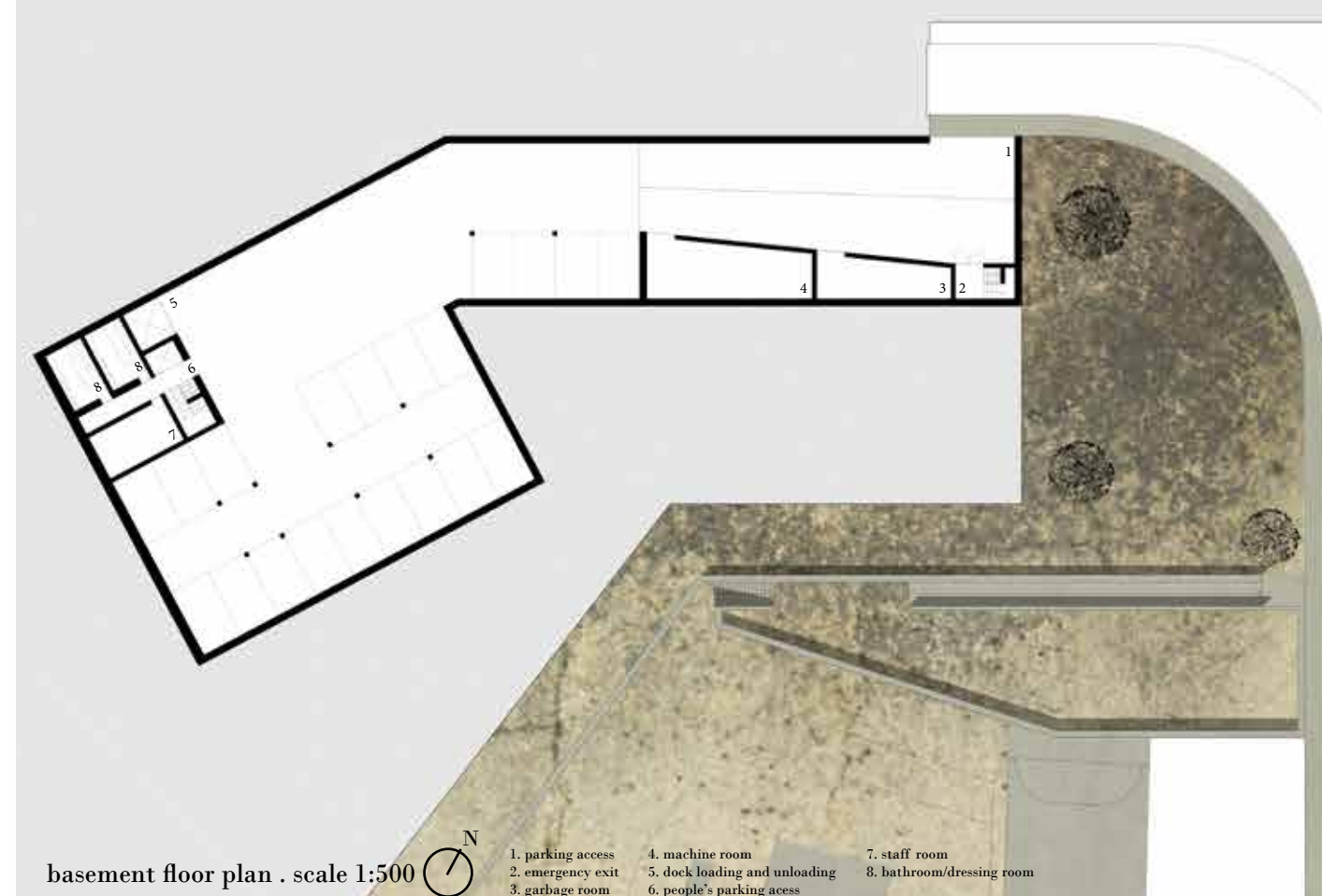
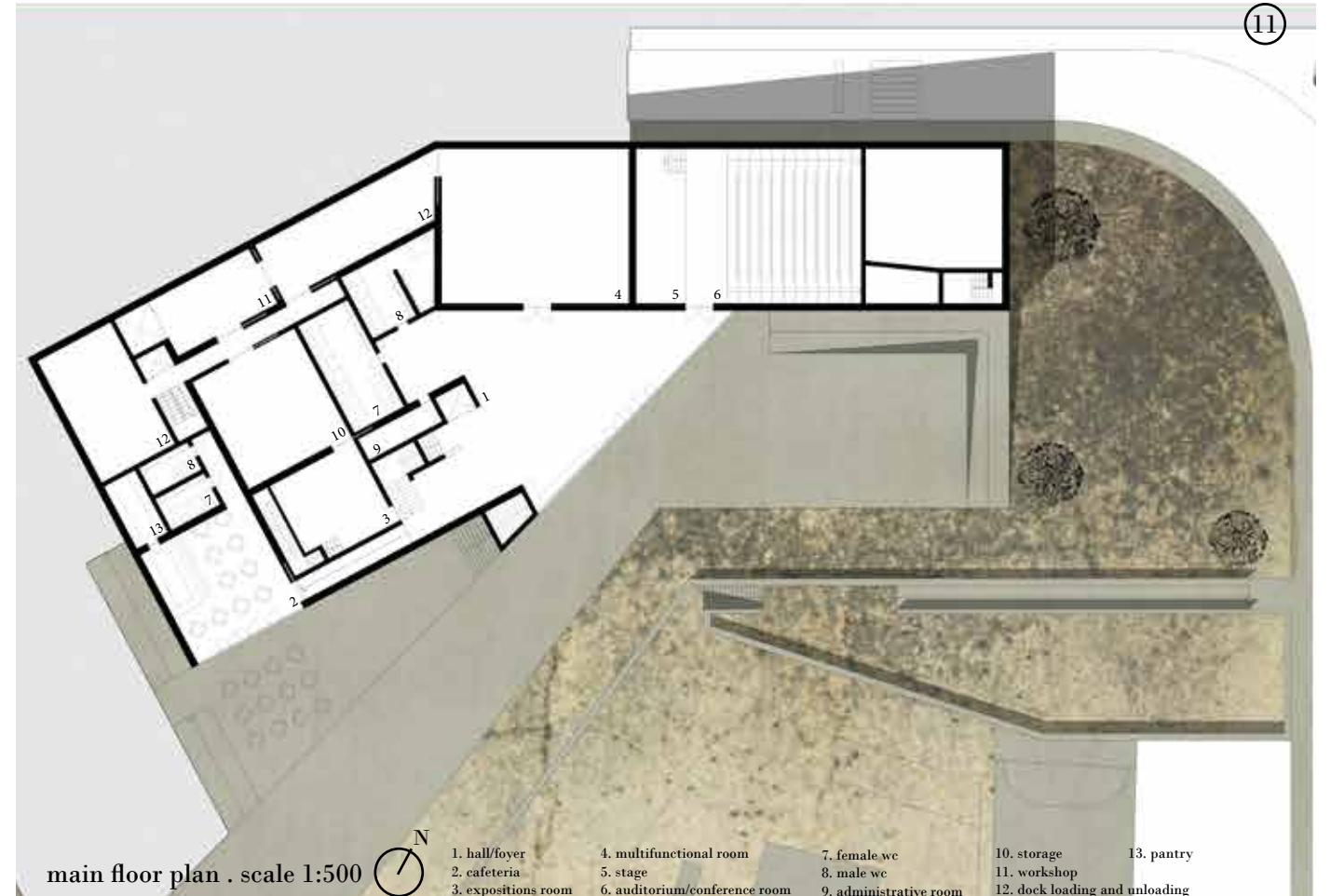
section . scale 1:500



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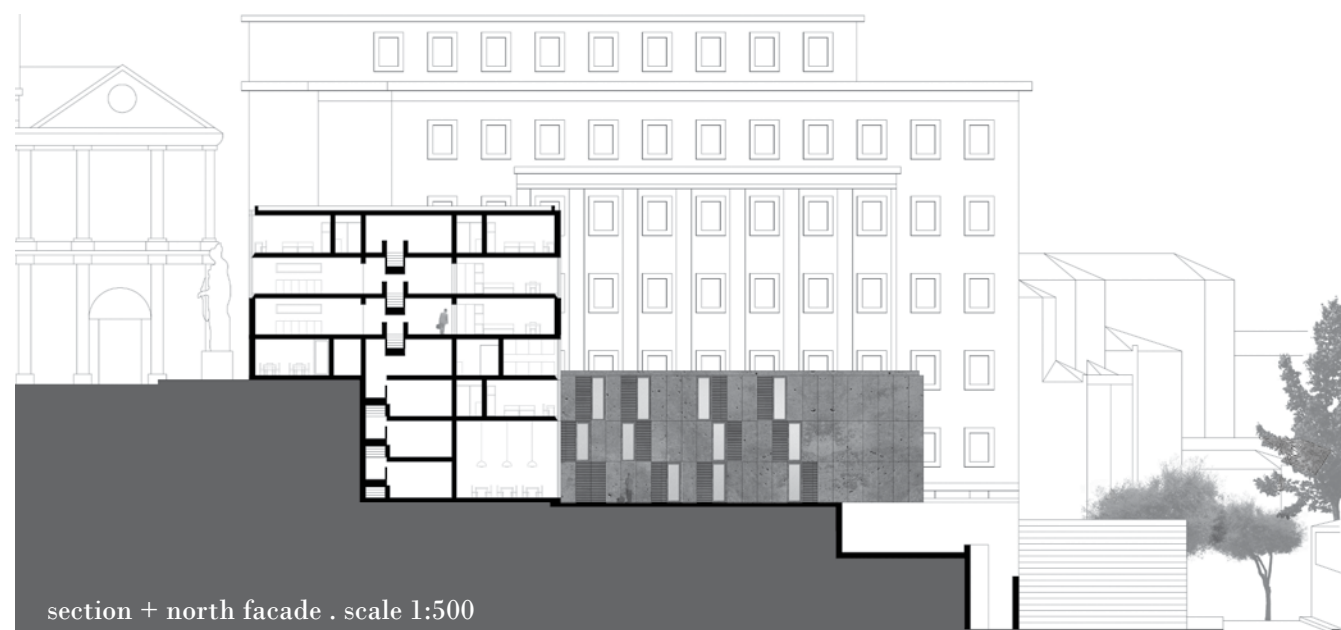


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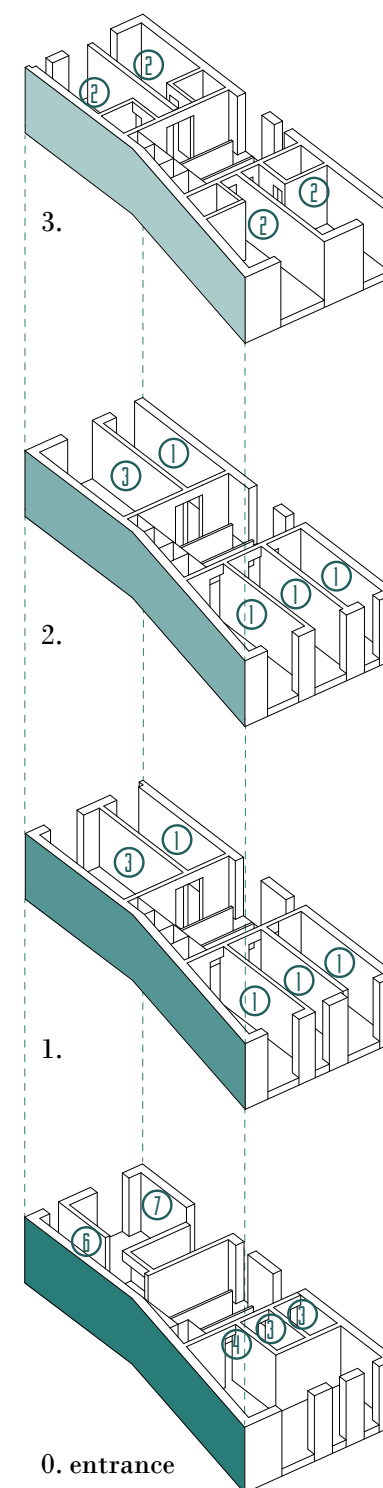
This project was conceived at the same time as the Cultural Centre and their locations are nearby. The main characteristic of the site is the huge difference between the heights of the two streets that form the boundaries of the residence. This difference was solved with the creation of two volumes, distinguished in terms of room types and each one articulated with a different street, and including a public path that connects the two streets.



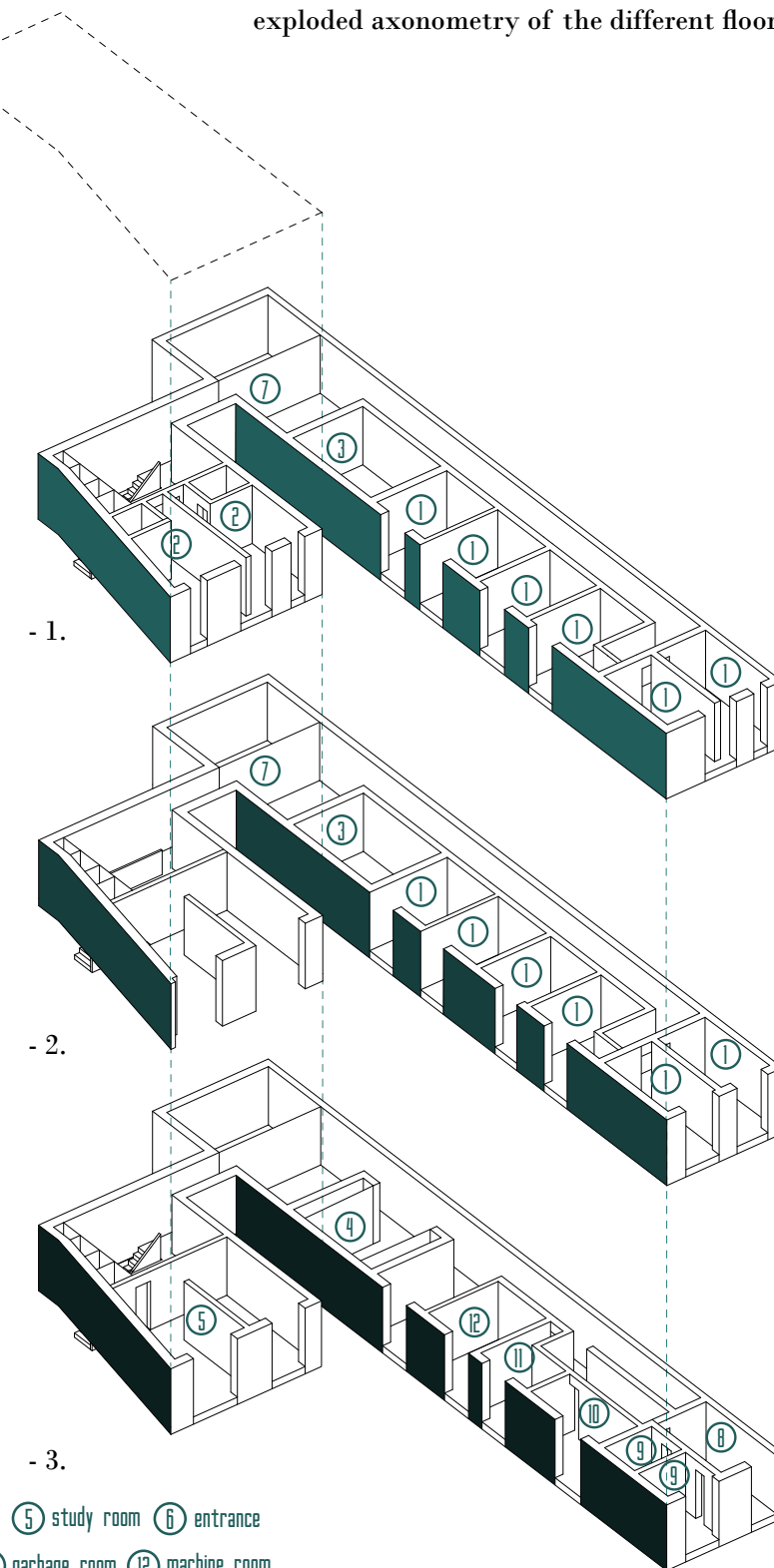
Oporto, Portugal

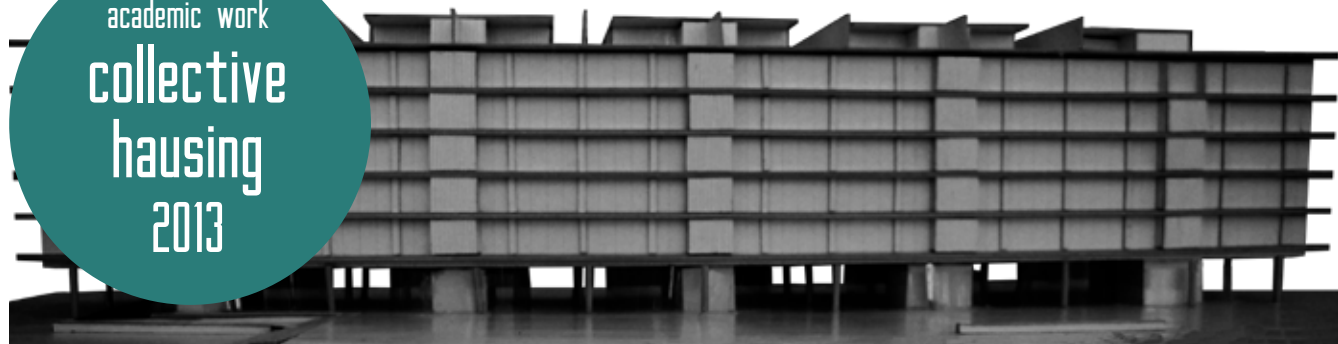


exploded axonometry of the different floors

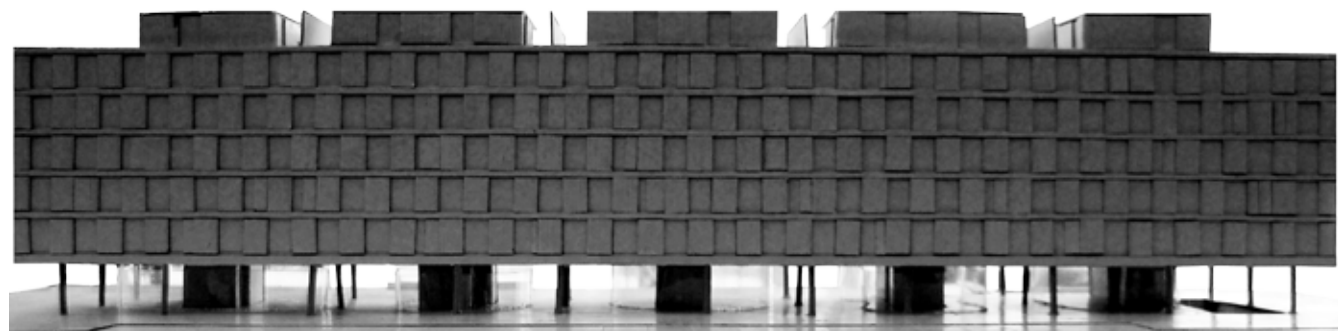


- ① single room ② double room ③ bathroom ④ kitchenette ⑤ study room ⑥ entrance
- ⑦ foyer ⑧ staff room ⑨ dressing room ⑩ laundry ⑪ garbage room ⑫ machine room





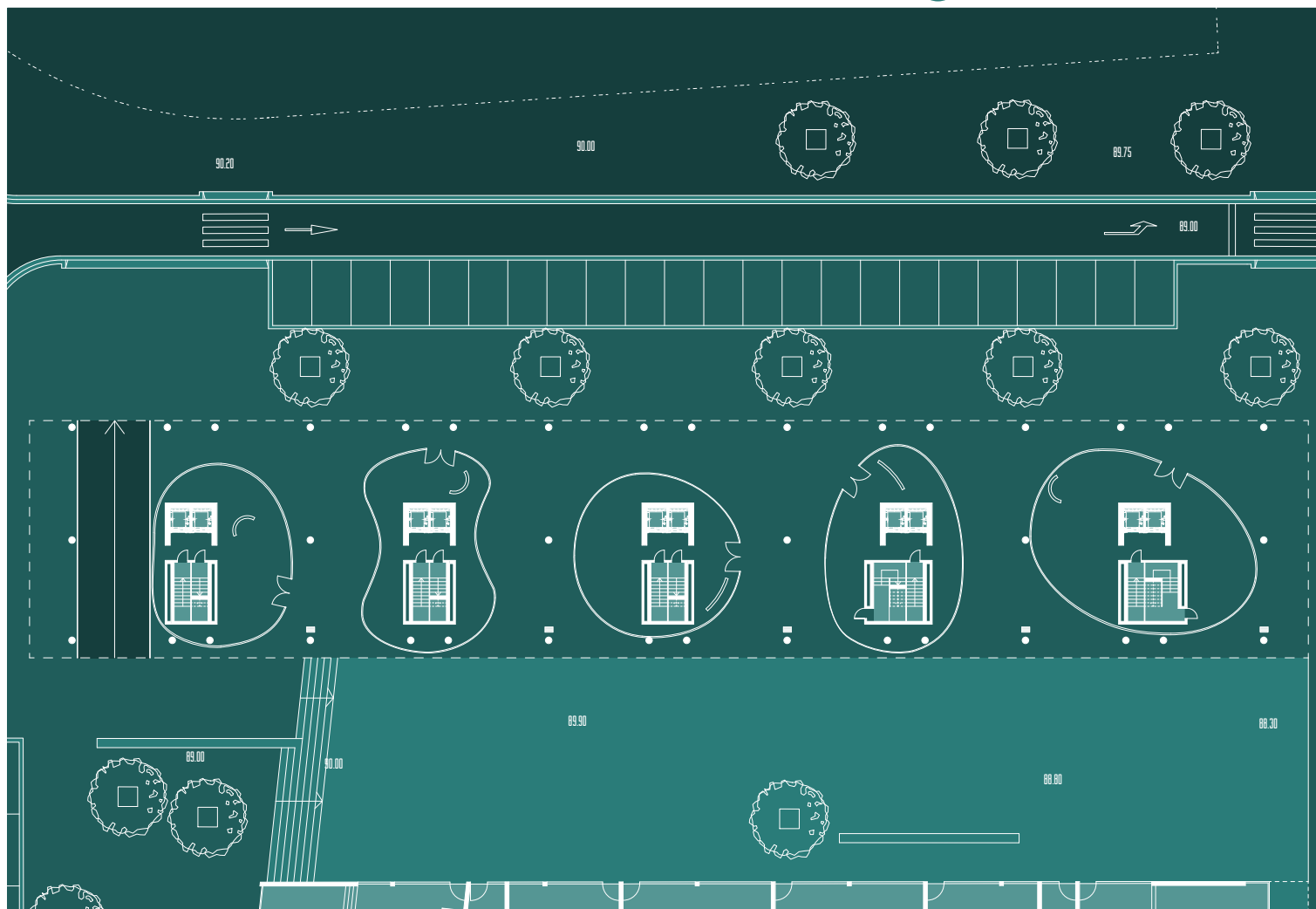
north facade



south facade

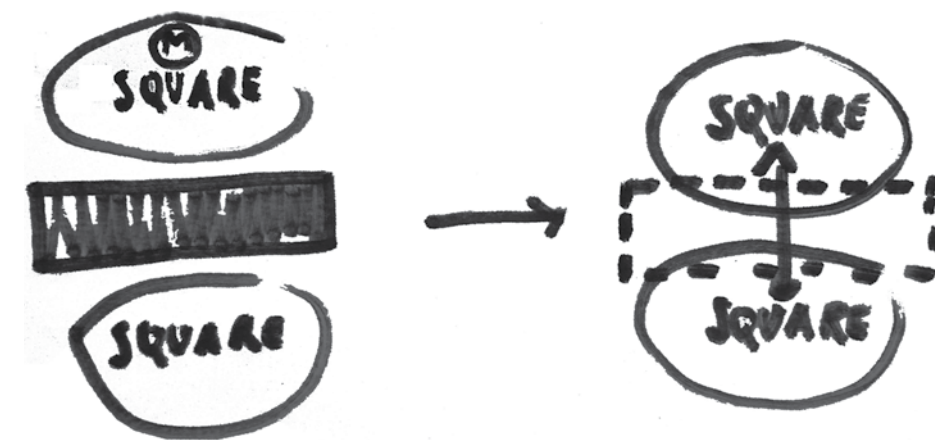
asphalt granite stone granite cube exposed concrete

n ground floor plan . scale 1:500

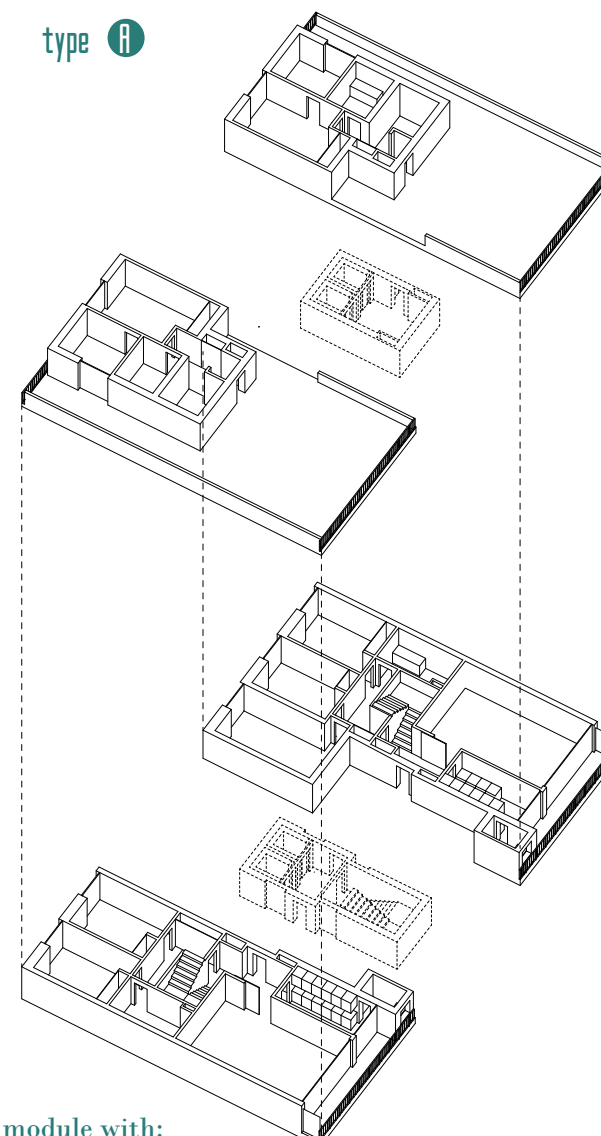


Oporto, Portugal

The shape and characteristics of the building find their meaning in the context in which it inserts itself. The ground floor works as a mediation space between the metro station, north, and the square, south. The facades try to reveal discipline and coherence and not only the direct translation of the inside necessities. The development of the constructive details of all this ideas also took a big part in defining a more concrete building.

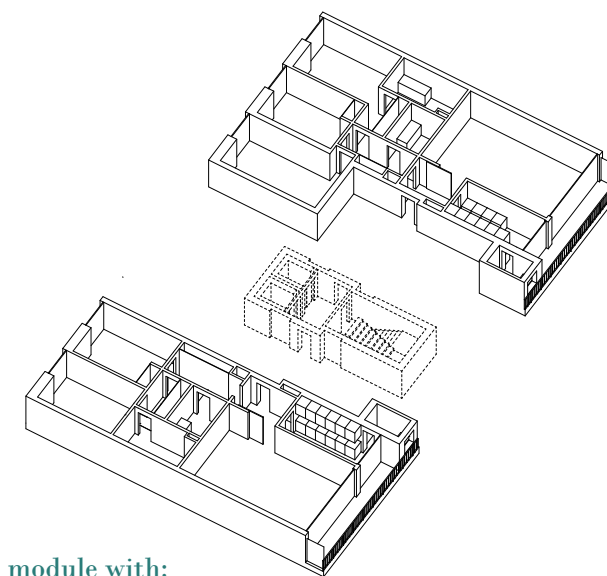


type A



module with:  
three bedrooms flat (duplex)  
+ four bedrooms flat (duplex)

type B



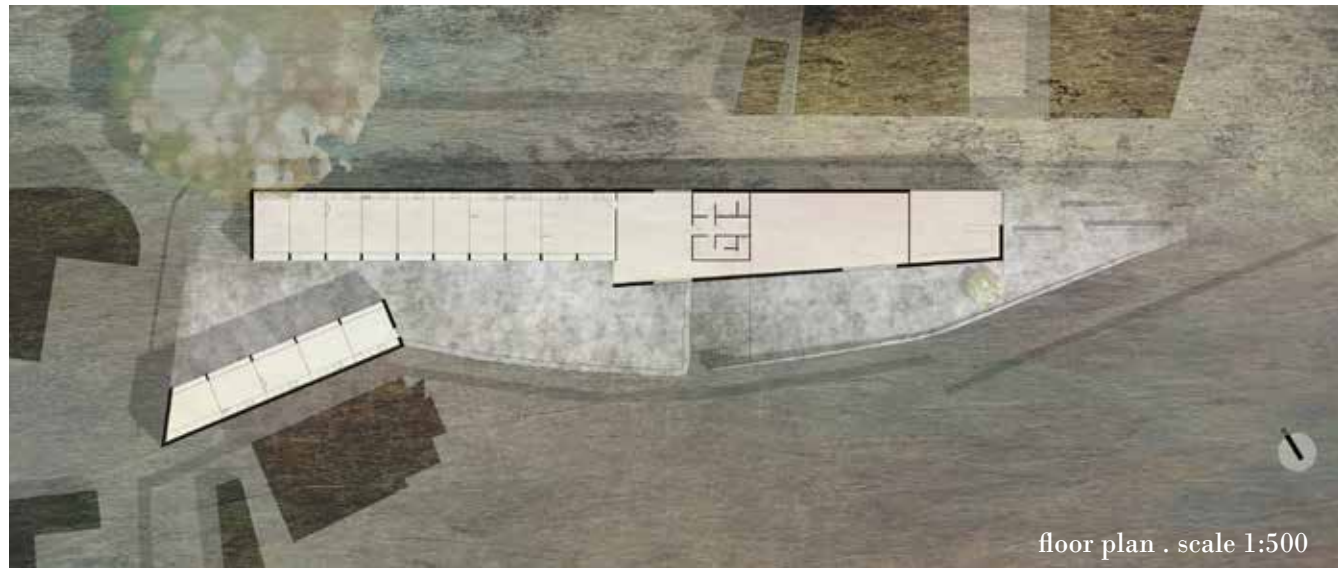
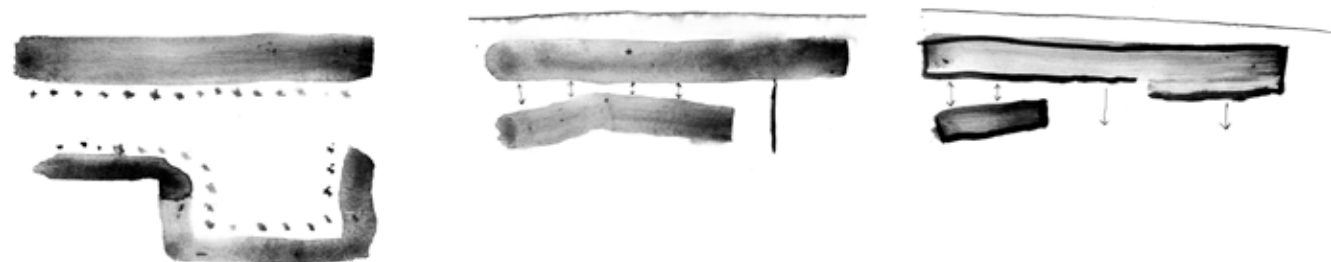
module with:  
two bedrooms flat  
+ three bedrooms flat



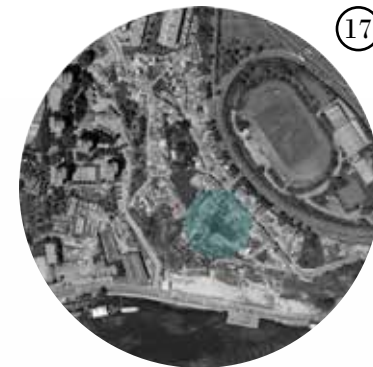
16

competition  
**GO!VOS**  
2013  
with Diogo Paixão  
and Sara Martins

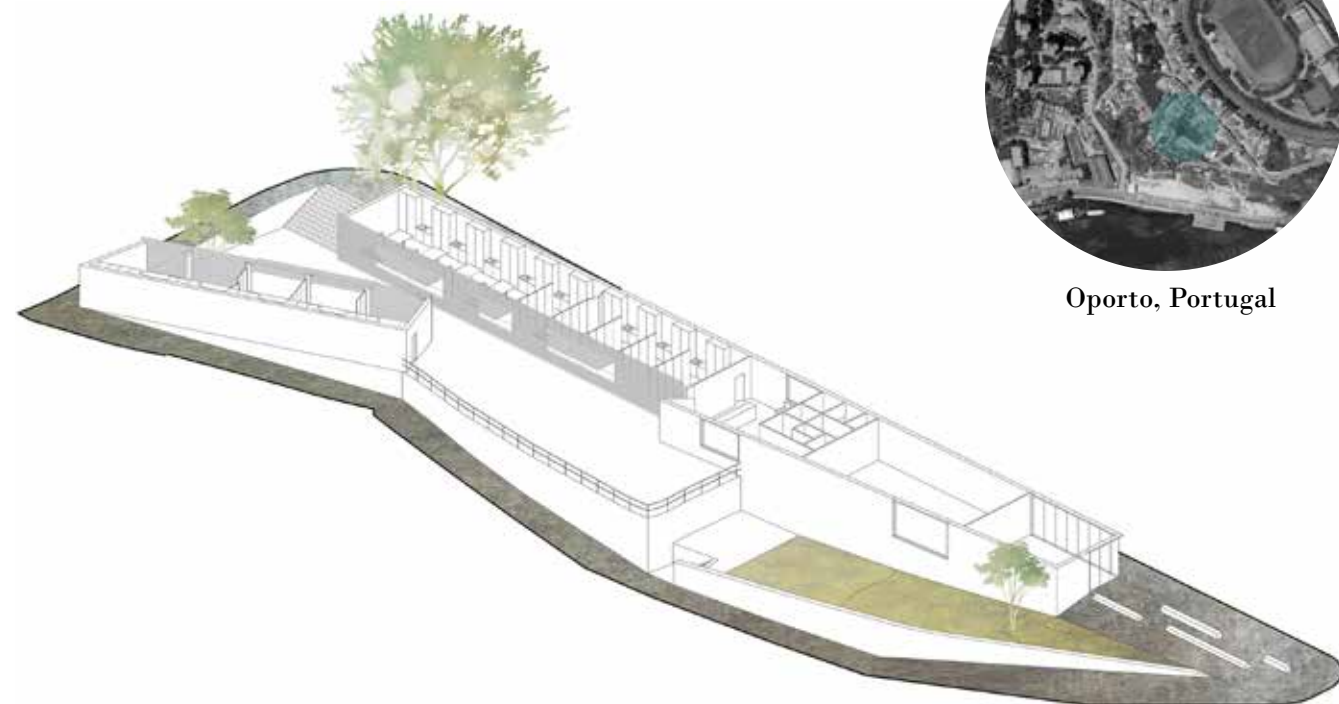
The proposal lives from the site – an intersection of paths and ways that materialize in the concept of the greek stoa. A space that works as an attractive pole and also as a market that promotes the interaction and exchange of experiences and knowledge. The program creates self-employment and enriches the public space. It is also intended for the proposal to take advantage of the characteristics of the site and use it as a lookout over the city.



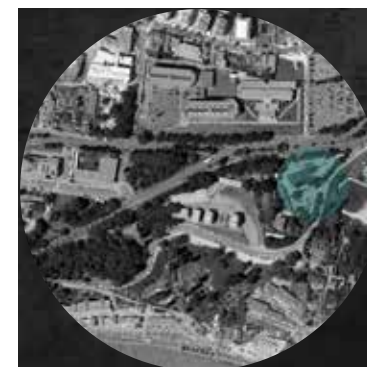
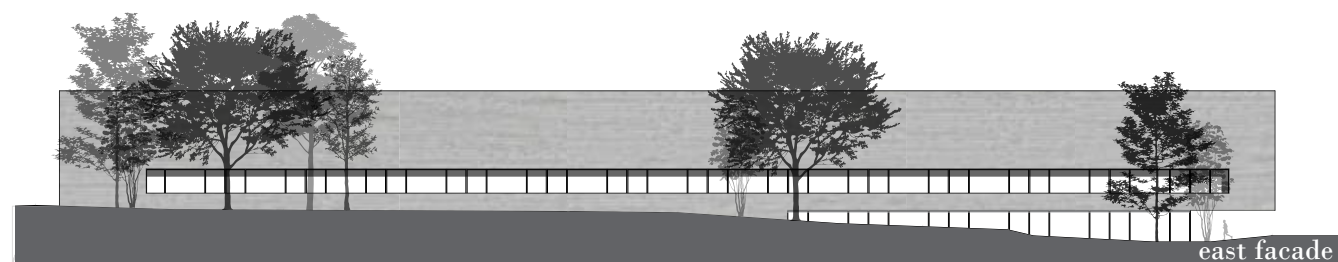
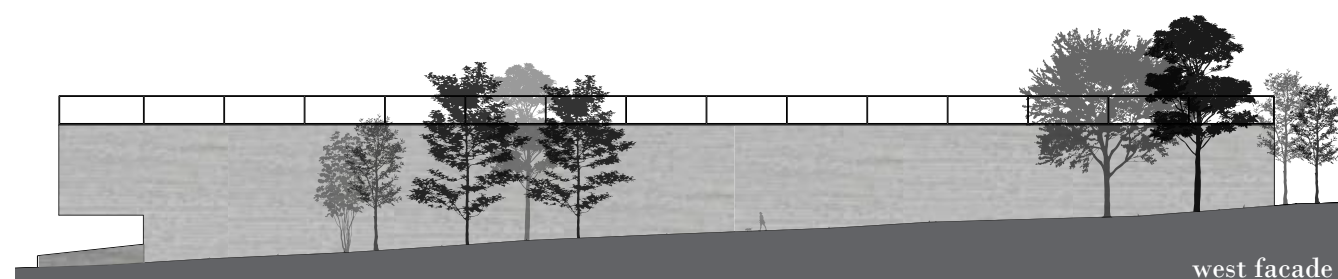
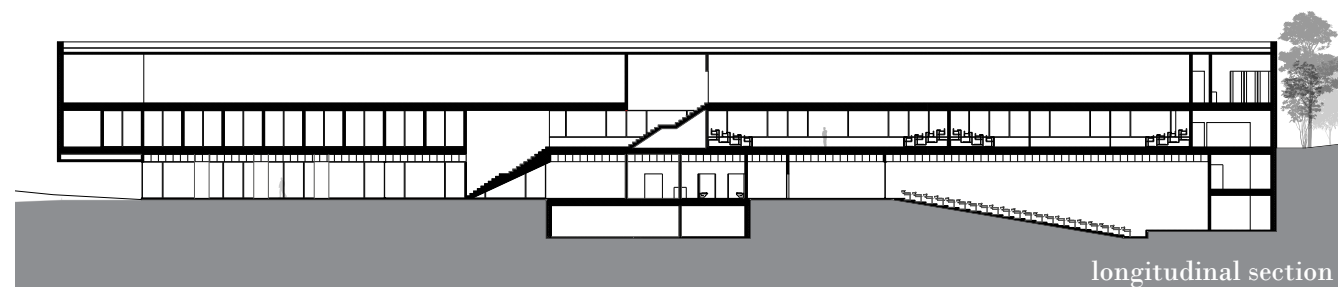
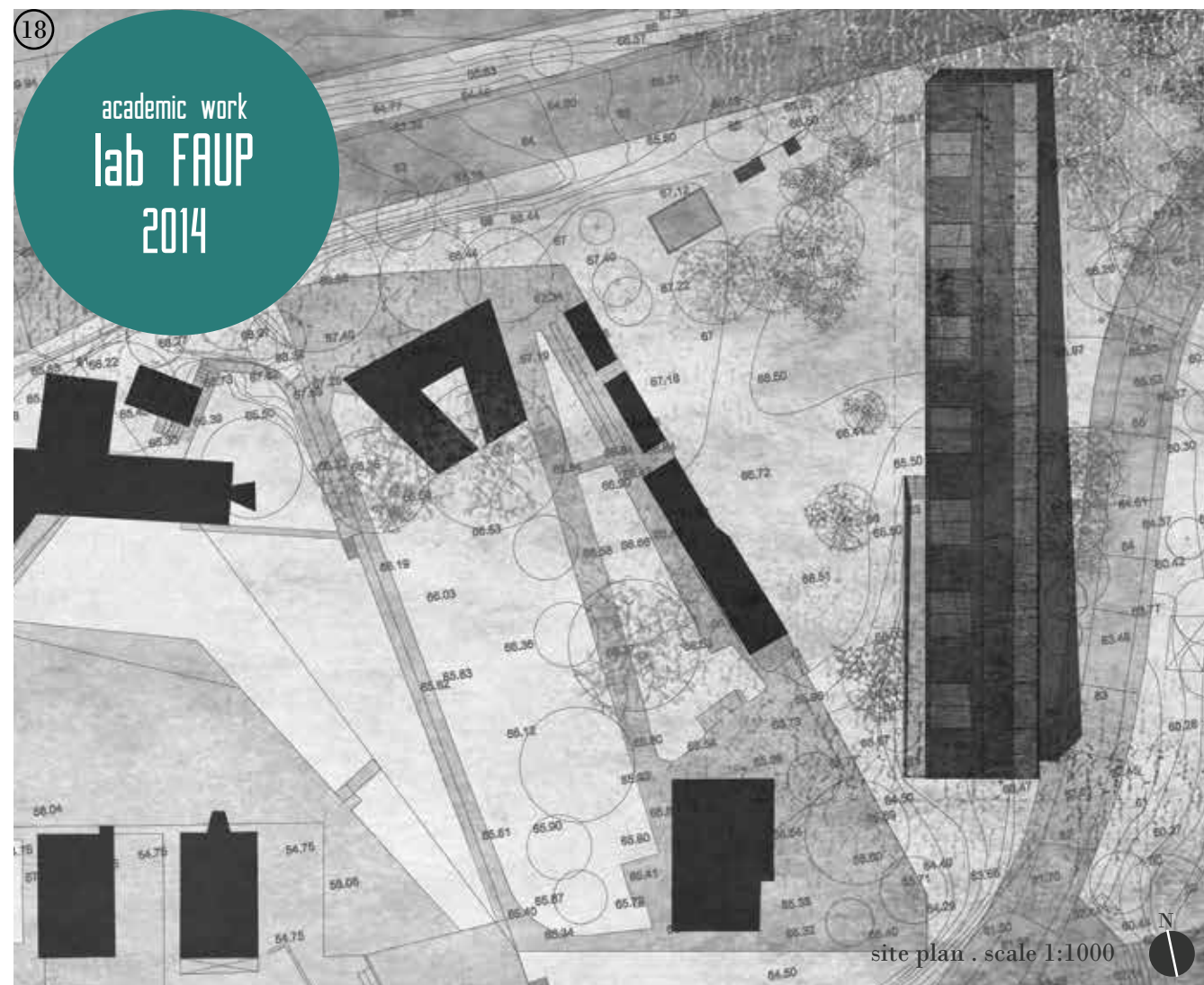
17



Oporto, Portugal



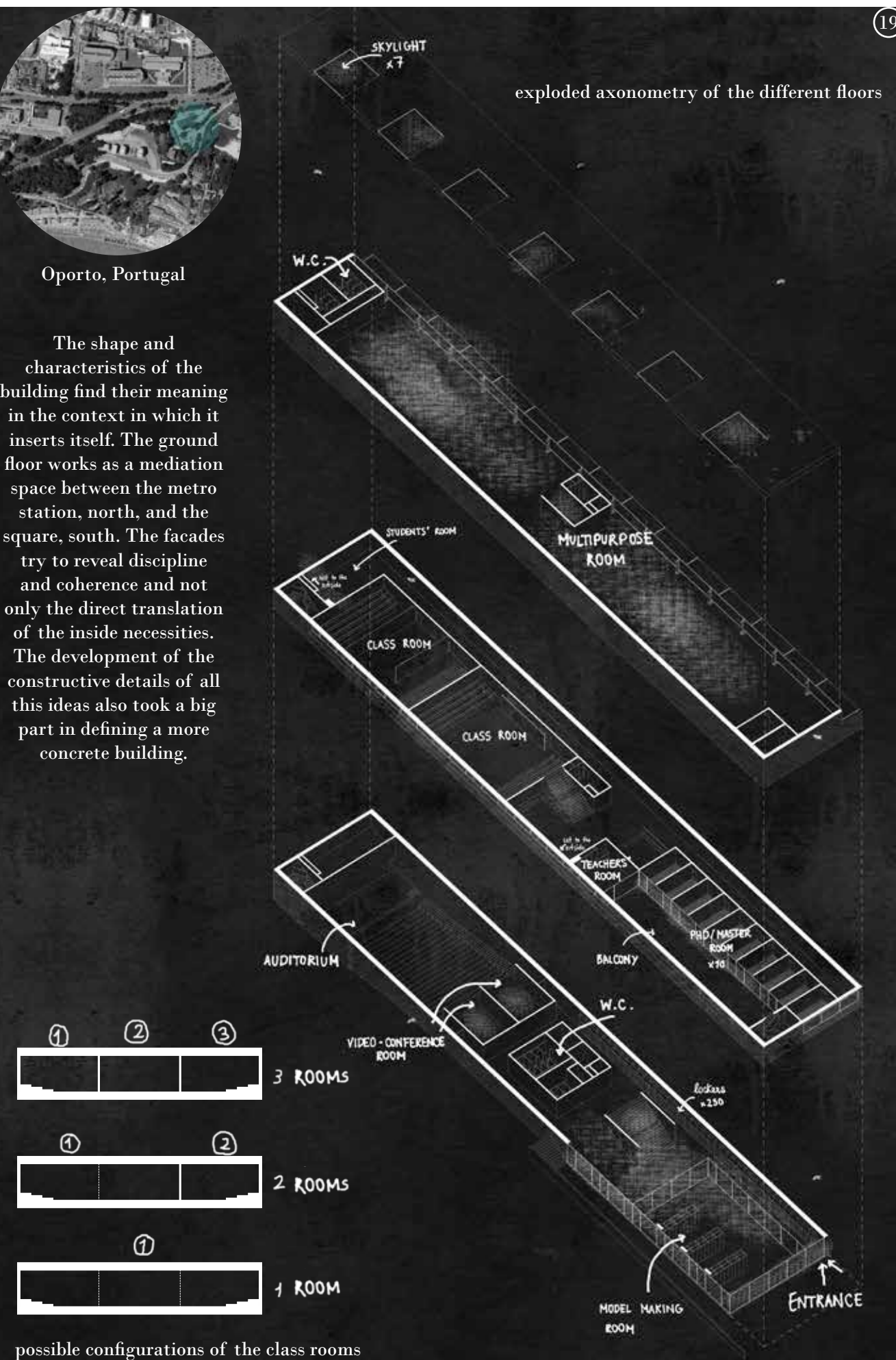




Oporto, Portugal

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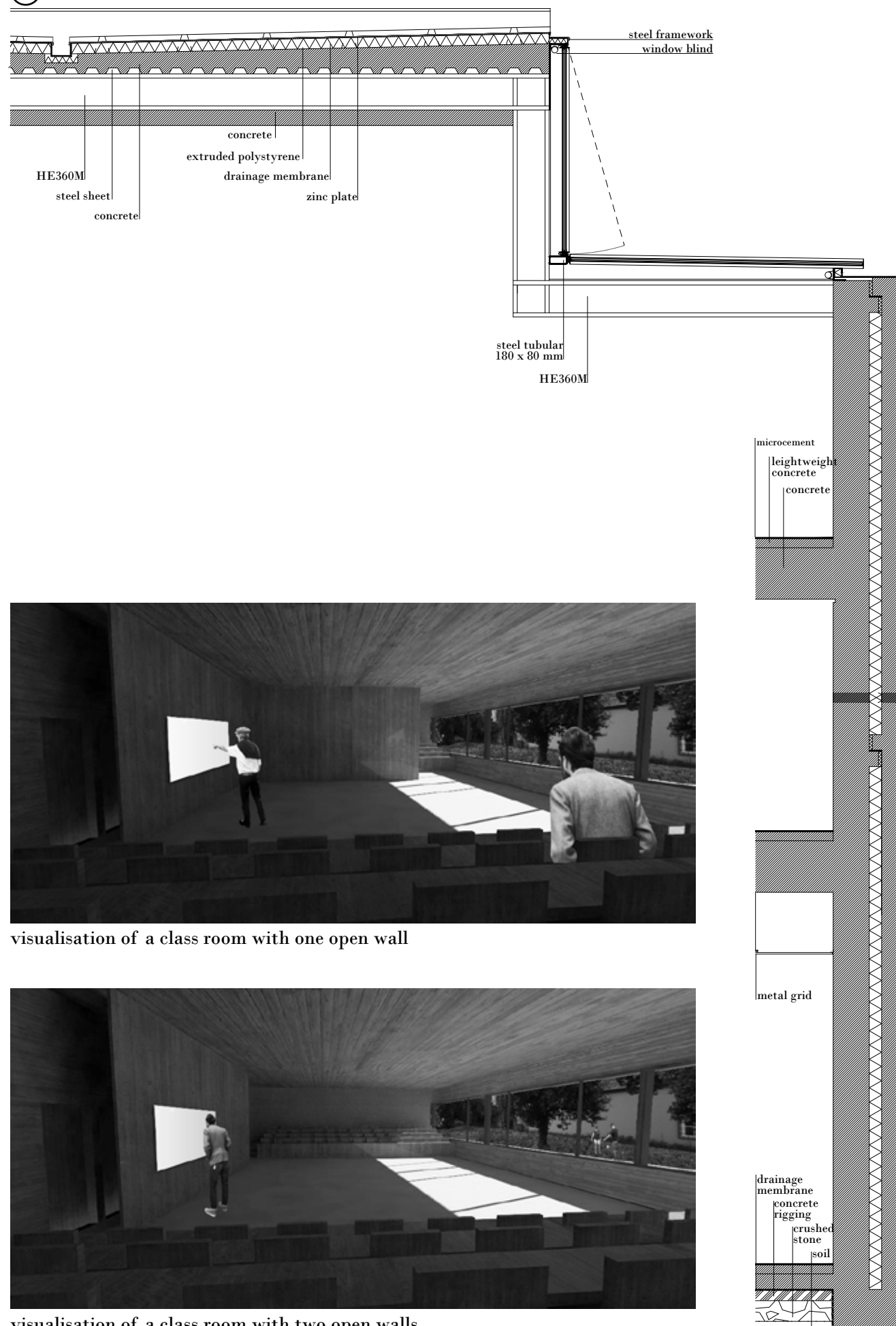
exploded axonometry of the different floors



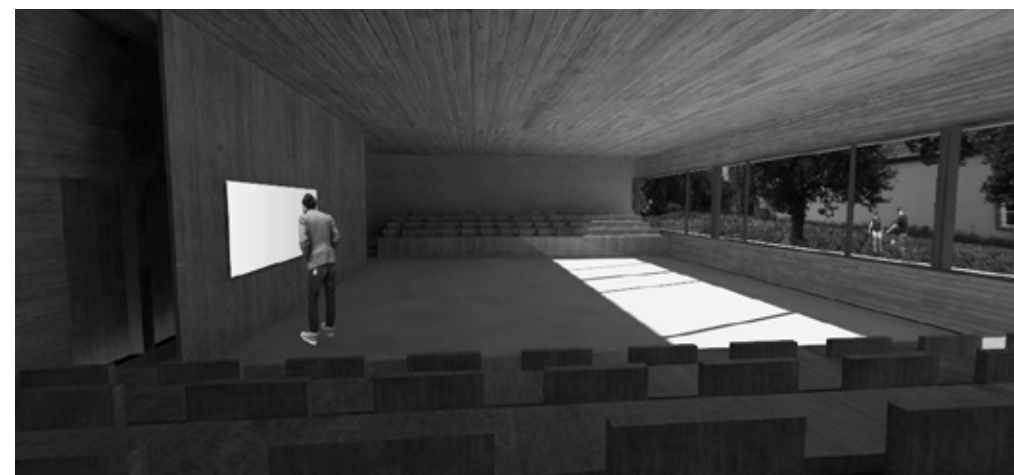


20

west facade section . scale 1:50



visualisation of a class room with one open wall



visualisation of a class room with two open walls

21



view of the multipurpose room



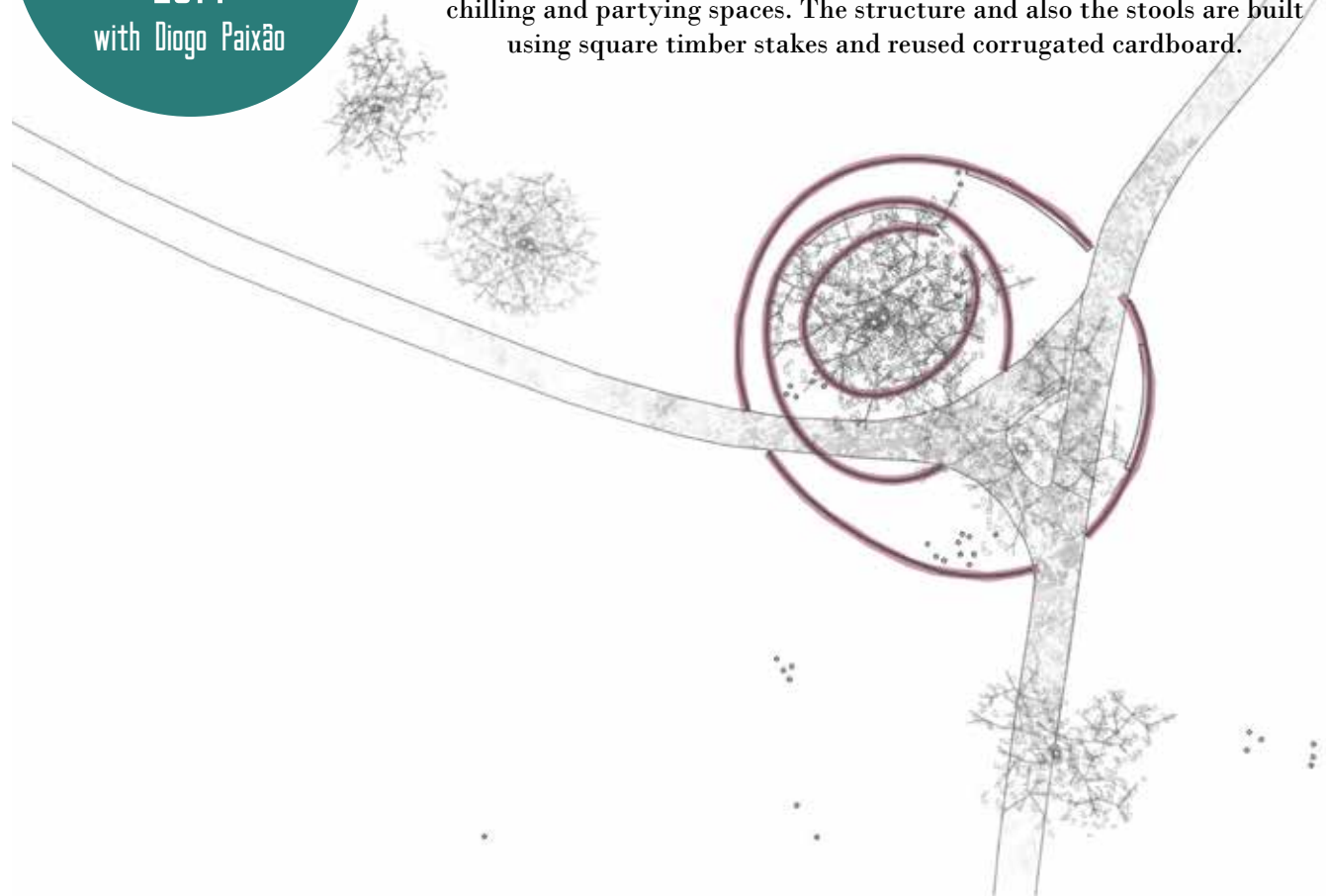
view of the entrance and model making room



competition  
120 hours  
2014  
with Diogo Paixão

The project operates in a double base: take the festival to the city and the people to the festival.

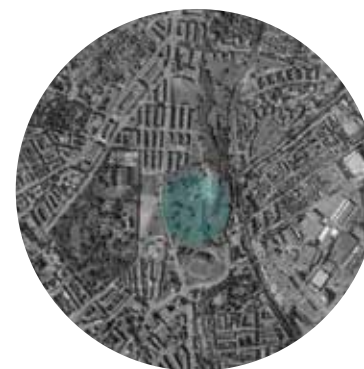
The interaction begins outside the the park: stools are scattered all over Oslo. The idea: bring them to the festival. The meeting point stands where three paths come together and the intervention creates of a variety of chilling and partying spaces. The structure and also the stools are built using square timber stakes and reused corrugated cardboard.



floor plan of the intervention in the festival's area



Oslo, Norway



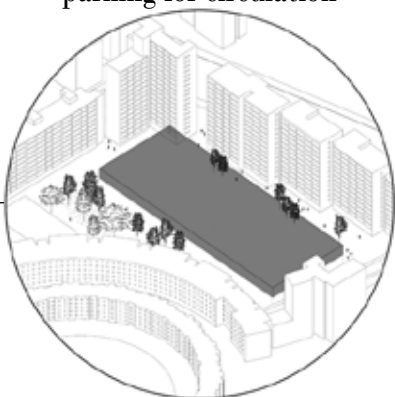


academic work  
**Garage Extruder**  
2015  
with Max Rudolph

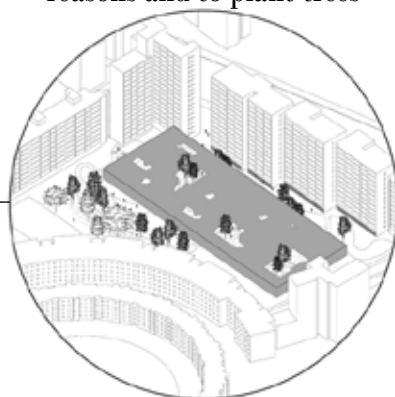
existing situation



extrude the underground parking for circulation



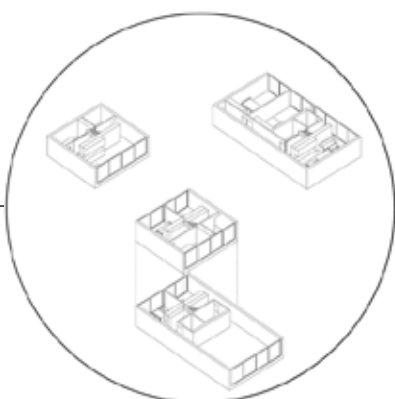
perforate the volume for light reasons and to plant trees



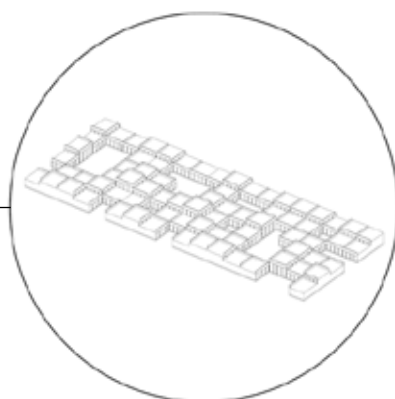
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X  
T



underground parking with its generic grid

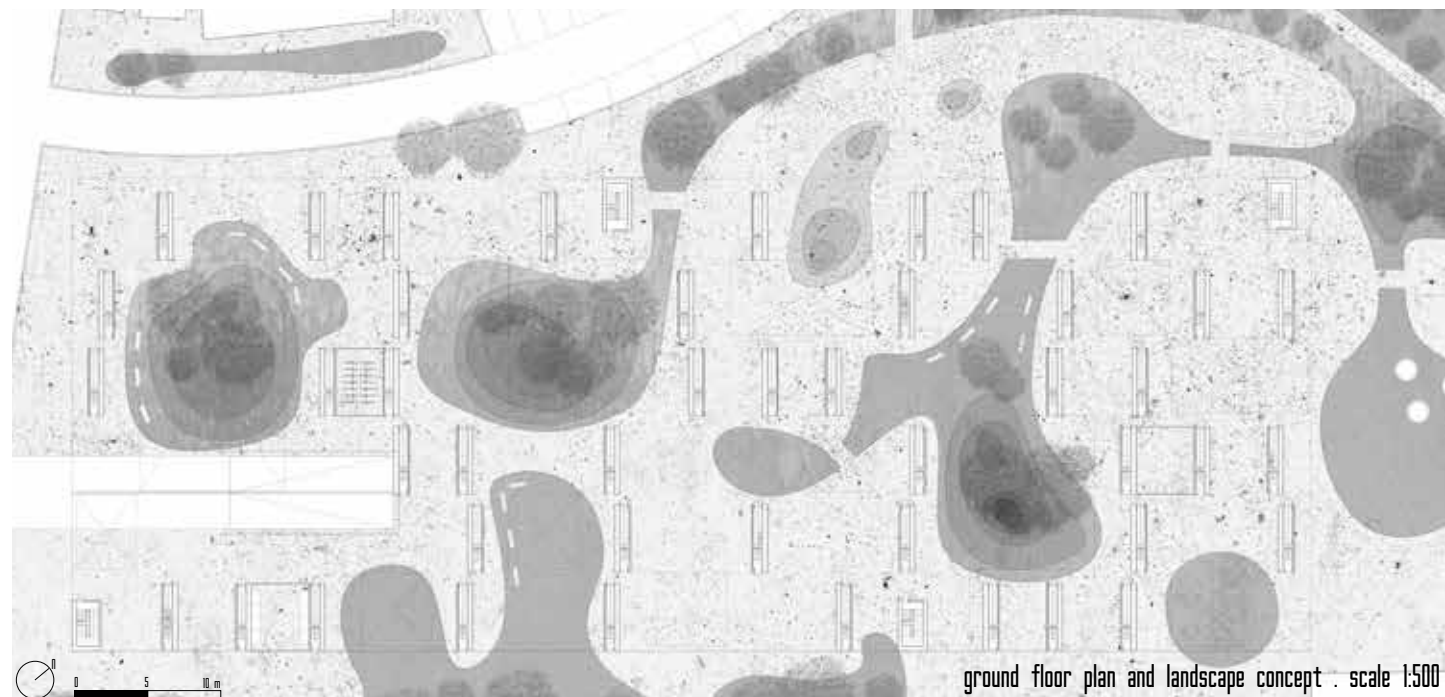


defining three different flat types

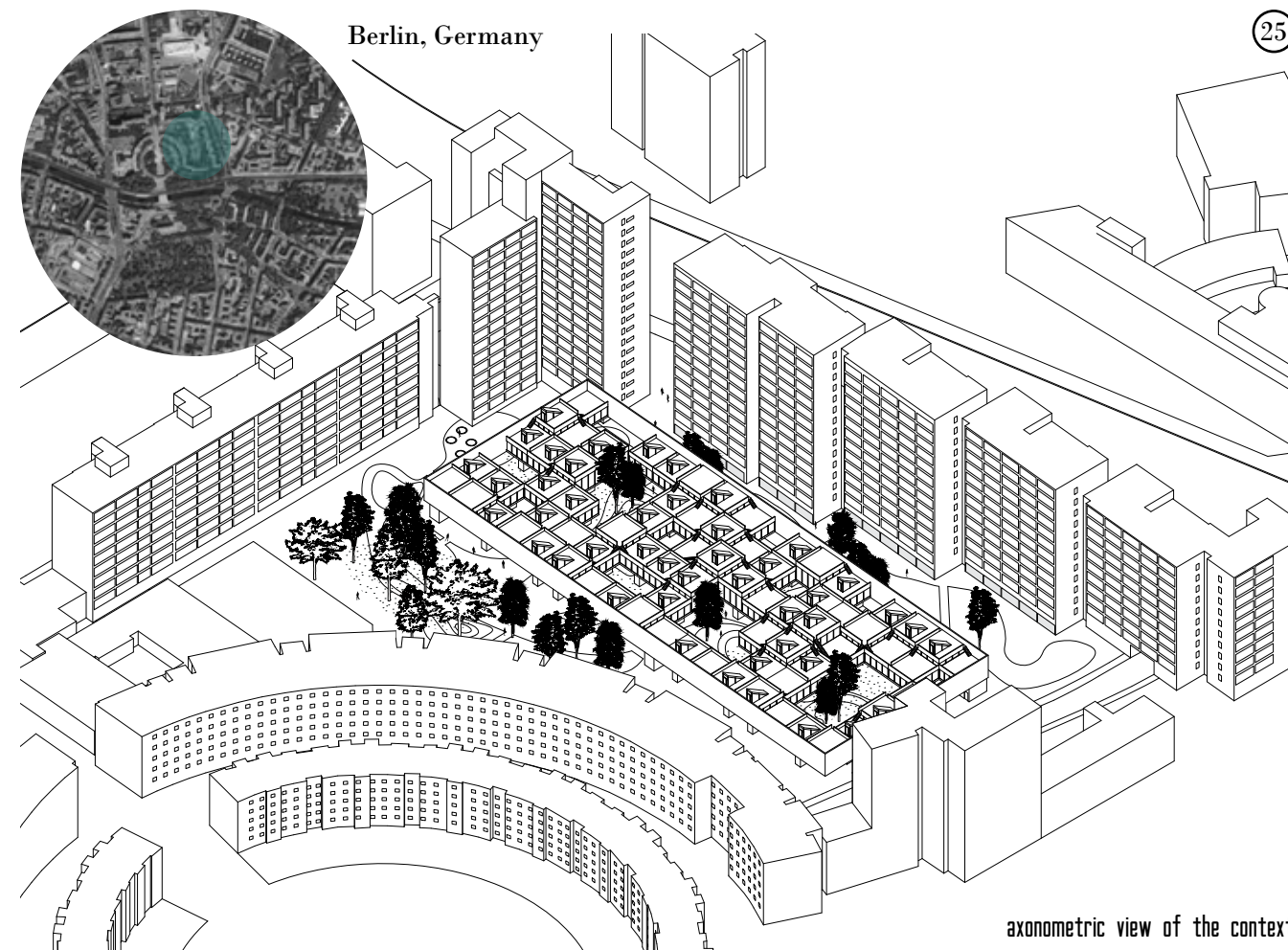


creating an artificial topography

G  
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C



ground floor plan and landscape concept . scale 1:500



axonometric view of the context

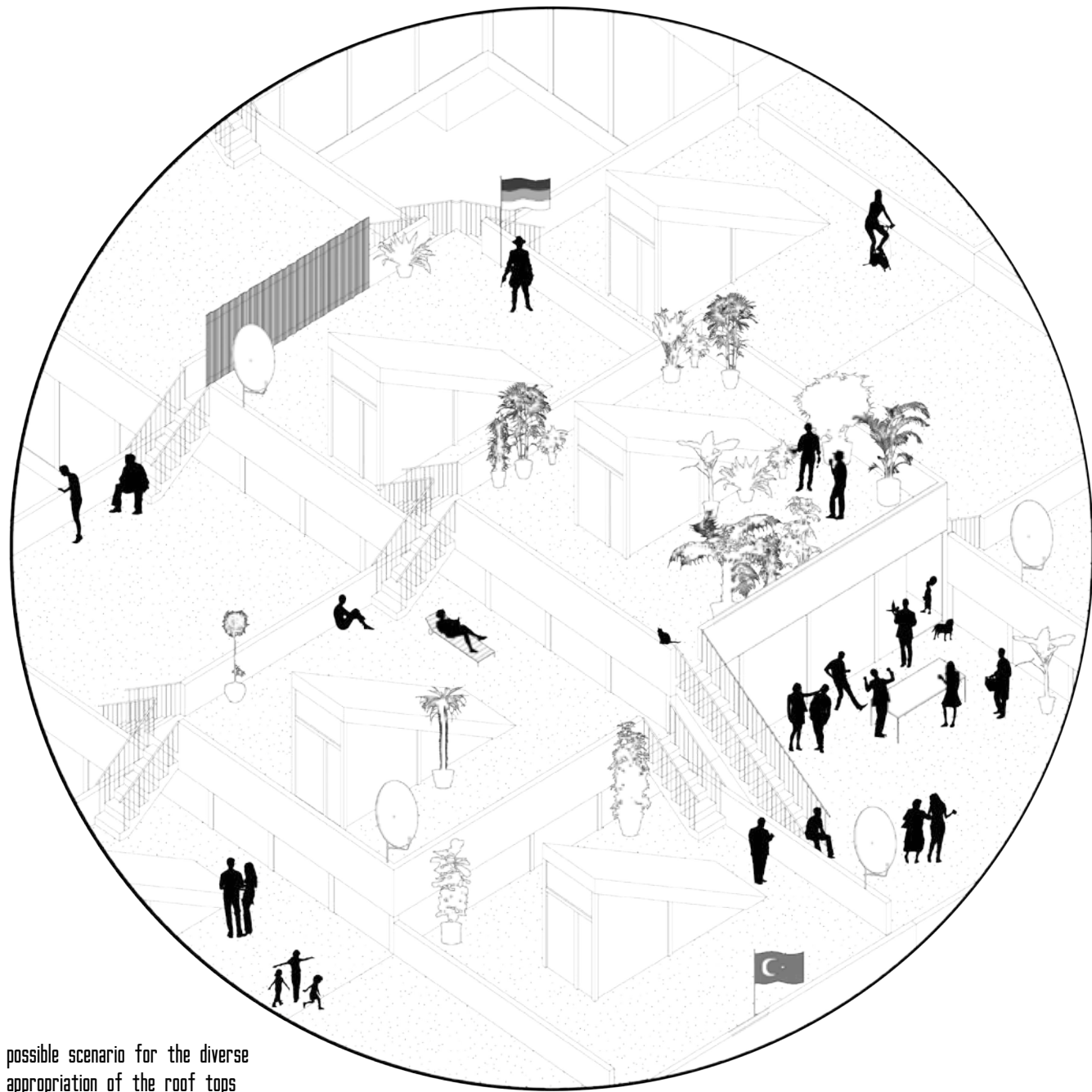


Concrete Design Competition  
2014/15 STRUCTURE  
**BUCHPREIS**  
[www.concretedesigncompetition.de](http://www.concretedesigncompetition.de)



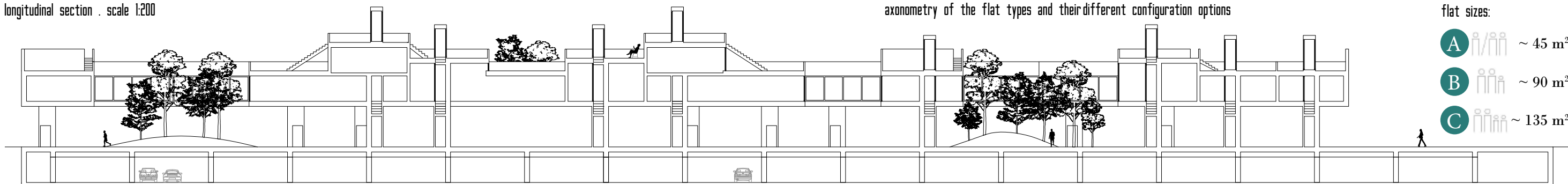
26

Bringing density and people to the area, creating housing and improving the landscape will create the conditions for the commercial function to work. At the ground floor the possibilities to beneficiate from the park are infinitive with alternated zones of vegetation and concrete associated with trees, benches, a playground and a skating park. At the roof the neighbours have the possibility not only to profit from a terrace directly above their houses but also to share this space and interact with the others.

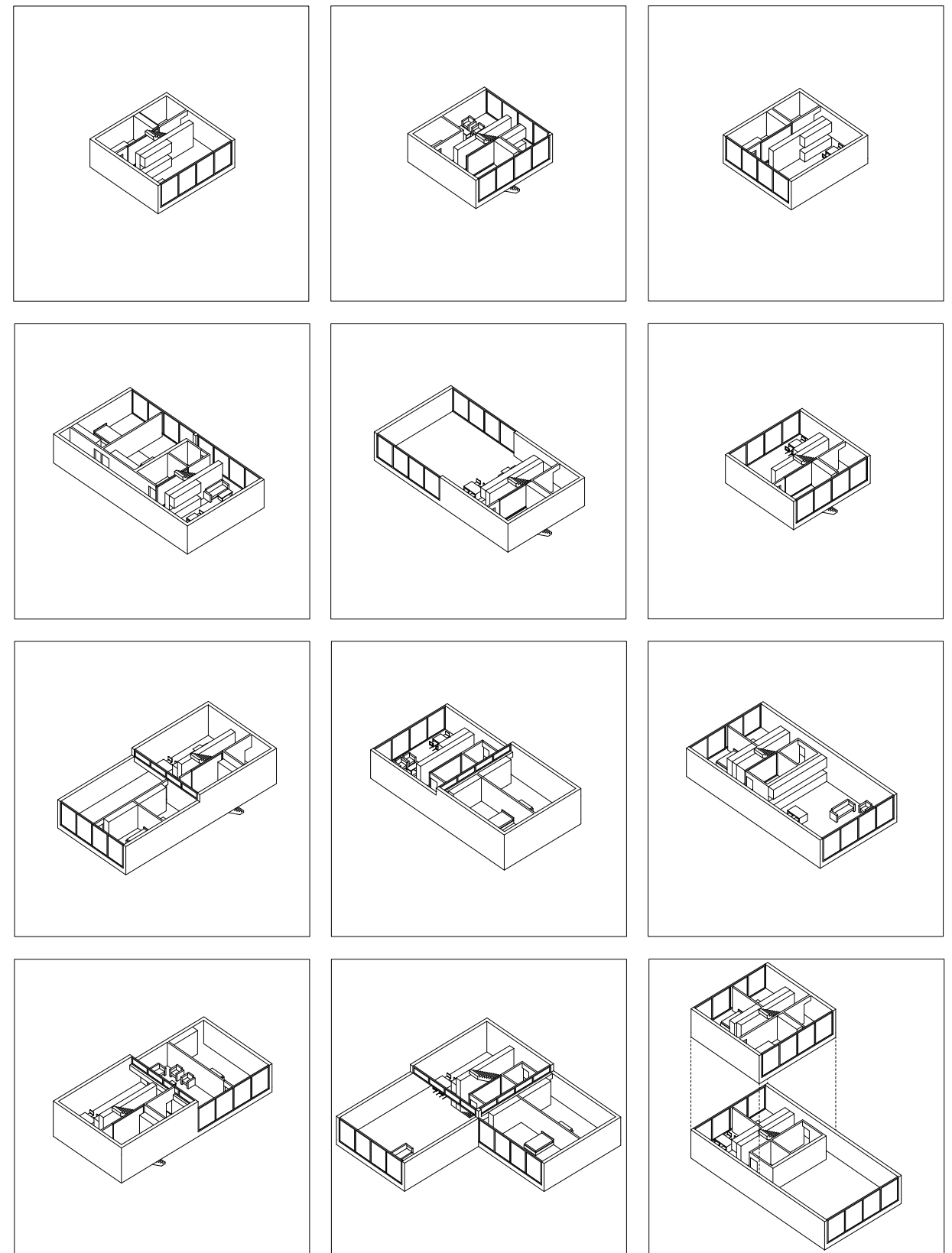


possible scenario for the diverse appropriation of the roof tops

longitudinal section . scale 1:200



27



axonometry of the flat types and their different configuration options

flat sizes:

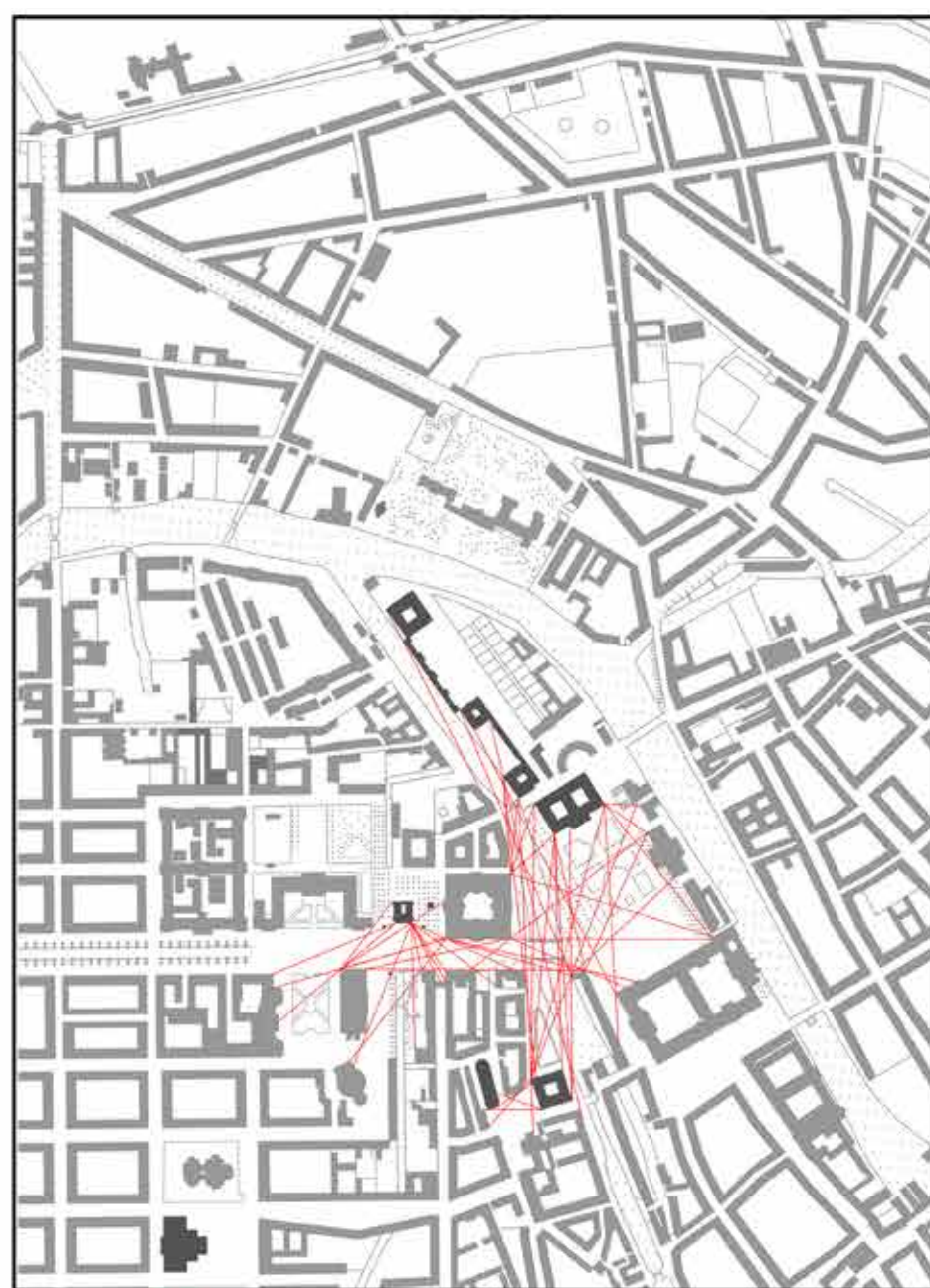
- A  ~ 45 m<sup>2</sup>
- B  ~ 90 m<sup>2</sup>
- C  ~ 135 m<sup>2</sup>



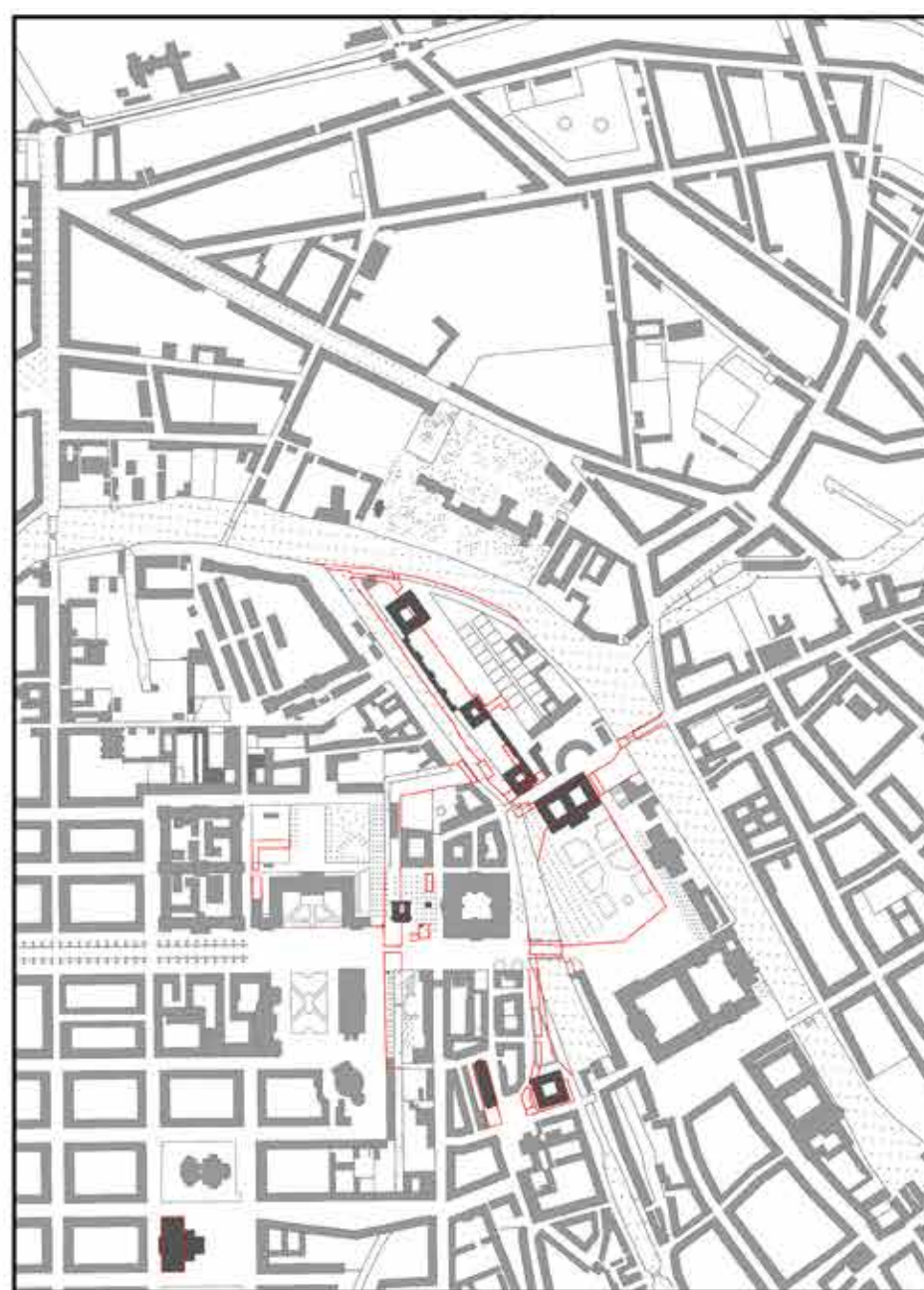


Eduard Gaertner, 1835. Panomara von Berlin

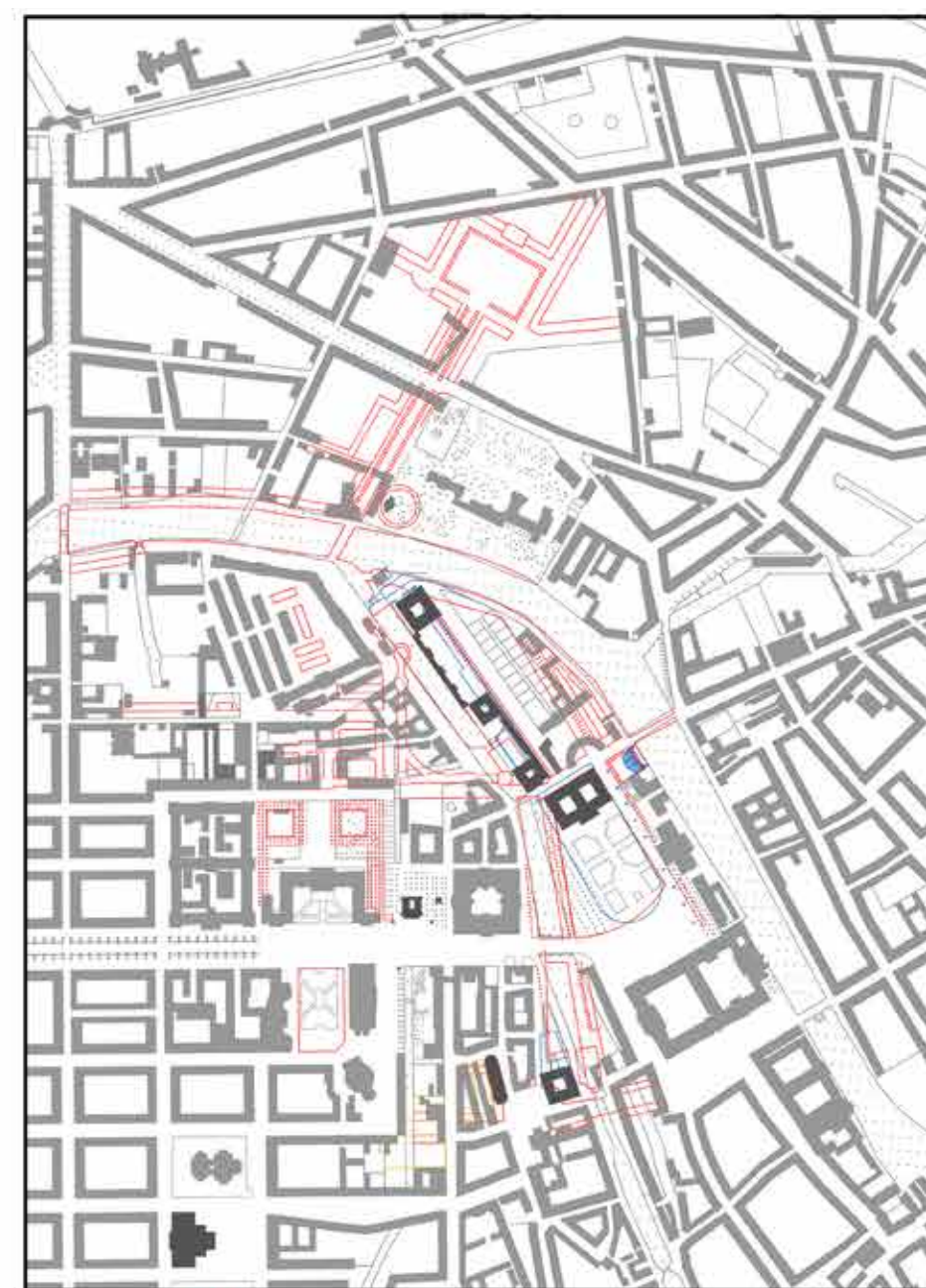
Schinkel's Berlin: analysis



0 50 100 m ■ analysis of the visibilities



0 50 100 m ■ Schinkel's buildings  
■ changes and demolitions due to Schinkel's buildings



0 50 100 m ■ plan of 1817  
■ plan of 1823  
■ plan of 1831

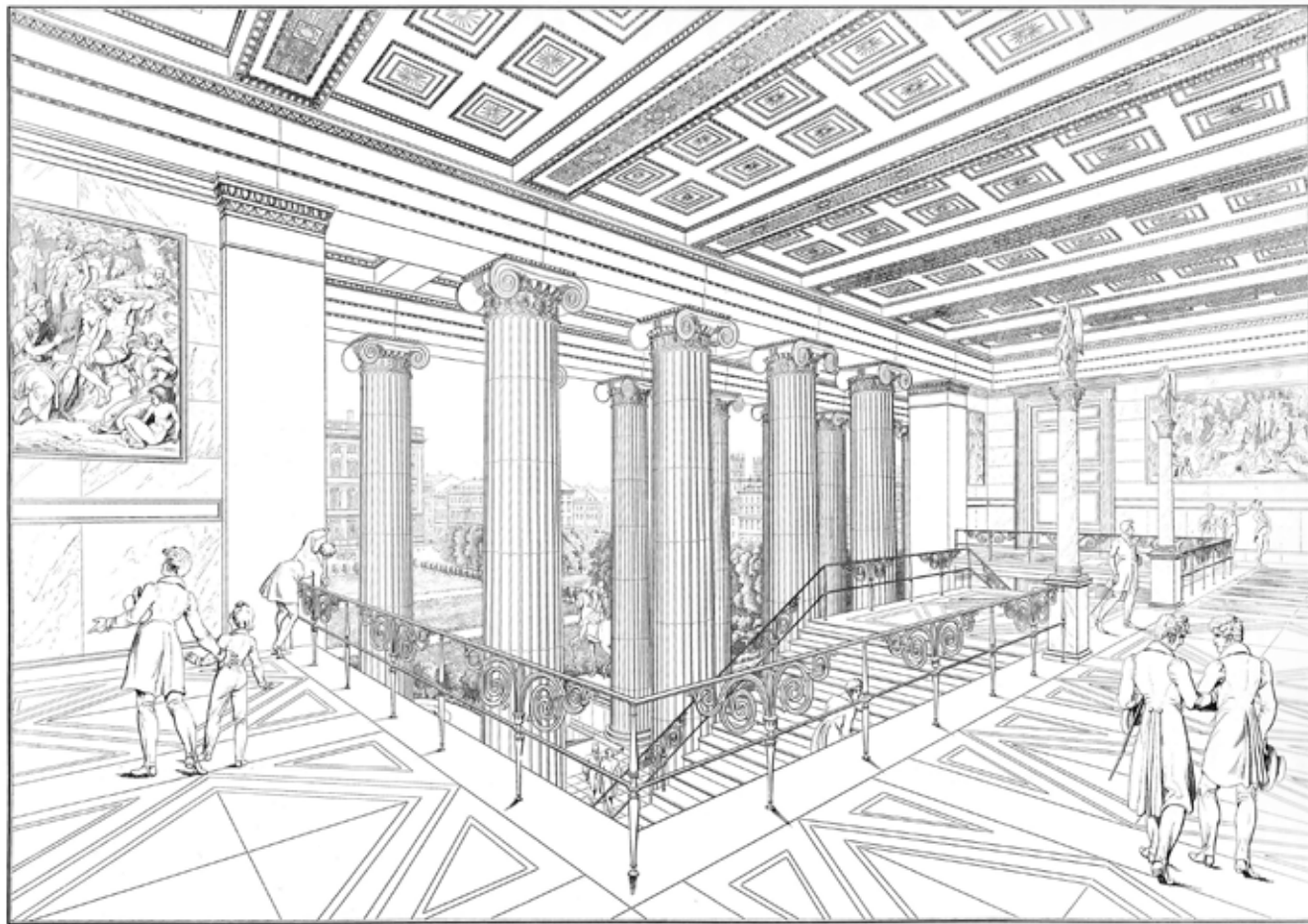


In today's image of Berlin, there is still an indelible mark of Karl Friedrich Schinkel (1781-1841). His buildings have significantly shaped the image of Berlin and have deeply contributed to the construction of Berlin's history, according to a concept of city as a built-in relationship between architecture and urbanism and that still answers to the social circumstances.

This work focuses on the study of Schinkel's legacy primarily regarding the urban aspects of the buildings. Understanding the reasons and the consequences of the transformation of Berlin by Schinkel implied the deconstruction of the city. Schinkel's works and his interpretation of the city are tied together to a specific urban and social context – a time of changes driven by the industrial revolution.

But the legacy of Schinkel goes far beyond his architectural interventions. To apprehend his work it is necessary to understand his concerns with the methods and concepts. His commissions are used to develop more ambitious plans with goals far beyond the functional and esthetical aspects. It is important to refer his plans of 1817, 1823 and 1831 as in to understand Schinkel's urban planning and architectural work. These plans are essential to perceive the architectural interventions and to explain that even with little resources it is possible to intervene with intelligence and efficiency and that small transformations can have big consequences.

Revisiting the legacy of Schinkel allows us to understand the specific situation of Berlin at the beginning of the 19th century and compare it to the result of a long process of urban construction reflected in the city's image. The way Schinkel embraced the opportunities, balancing the pragmatic aspects with the conceptual ideas, still inspires architects and urbanists.



"View from the main gallery through the vestibule to the Lustgarten. At the back the corner of the palace and the towers of the Friedrichswerderschen church." From Karl Friedrich Schinkel, 1829 © Schinkel, K. F., 1980. Berlin und Potsdam: Bauten und Entwürfe

Analysis of the masterplan for the area between Friedrichstrasse and Burgstrasse, from Karl Friedrich Schinkel, 1817  
© Kupferstichkabinett, Staatliche Museen zu Berlin



web: <http://ritarocha.eu>