



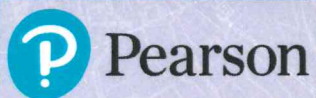
POLITECNICO  
MILANO 1863

SCUOLA DI ARCHITETTURA URBANISTICA  
INGEGNERIA DELLE COSTRUZIONI

# MILANO THE FUTURE OF PERIPHERIES RE-SHAPING THE METROPOLITAN CITY

Edited by

Filippo Orsini  
Laura Poglioni



# MILANO. THE FUTURE OF PERIPHERIES

## RE-SHAPING THE METROPOLITAN CITY



*Edited by*

*Filippo Orsini  
Laura Pogliani*

*with contributions by*

*Ilaria Valente  
Massimo Bricocoli  
Stefano Capolongo  
Gabriele Pasqui  
Giovanni Hänninen  
Filippo Orsini  
Laura Pogliani  
Elena Fontanella  
Francesca Cognetti  
Giovanni Gualdrini  
Filippo Oppimitti  
Jessika Ronchi*

 **Pearson**



**POLITECNICO**  
MILANO 1863

SCUOLA DI ARCHITETTURA URBANISTICA  
INGEGNERIA DELLE COSTRUZIONI

Our books are eco-sustainable: paper is produced supporting the natural cycle and for each tree cut another is planted; cellophane is made with recycled or recycled environmental plastics; inks are natural and non-toxic; books are produced in Italy and the impact of transport is minimized.



**All rights reserved**

© 2021 Pearson Italia, Milan-Turin

Every effort has been made to trace copyright holders and to obtain their permission for the use of copyright material including anthological excerpts, citations and graphic, cartographic and photographic reproductions used in this work. The publisher apologizes for any errors or omissions and would be grateful if notified of any corrections that should be incorporated in future reprints or editions of this book. Unauthorized reproduction is prohibited, even partial or for internal didactic use, by whatever means. Photocopies for the reader's personal use may be made within the limits of 15% of each volume upon payment to SIAE of the fee indicated in Art. 68, paras 4 — 5 of Italian Law 633 of 22 April 1941. Reproductions made for professional, financial or commercial purposes or in any case for purposes other than personal use may be made after obtaining specific authorization issued by AIDRO, Corso di Porta Romana 108, 20122 Milan, email: [segreteria@aidro.org](mailto:segreteria@aidro.org) and website: [www.aidro.org](http://www.aidro.org).

Cover Graphics: Giovanni Gualdrini, Filippo Oppimitti, Jessika Ronchi

Cover Credits: Giovanni Gualdrini, Filippo Oppimitti, Jessika Ronchi

Layout: Giovanni Gualdrini, Filippo Oppimitti, Jessika Ronchi

Printed by:

Litografia 2S, Carugate (MI)

ISBN 9788891927705

First Edition: December 2021

[www.pearson.it](http://www.pearson.it)

The essays in this volume have been peer-reviewed

**LIBRI DI TESTO E SUPPORTI DIDATTICI**  
Il sistema di gestione per la qualità della Casa Editrice è certificato in conformità alla norma UNI EN ISO 9001:2015 per l'attività di progettazione, realizzazione e commercializzazione di: • prodotti editoriali scolastici, dizionari lessicografici, prodotti per l'editoria di varia ed università • materiali didattici multimediali off-line • corsi di formazione e specializzazione in aula, a distanza, e-learning.

Member of CISQ Federation

The RINA logo (a stylized 'R' and 'A' in blue and green) and the ISO 9001 certification logo (a circular seal with 'CERTIFIED MANAGEMENT SYSTEM' and 'ISO 9001').

**CERTIFIED MANAGEMENT SYSTEM  
ISO 9001**

## SCIENTIFIC COMMITTEE

Ilaria Valente  
Gabriele Pasqui  
Massimo Bricocoli  
Stefano Capolongo

Filippo Orsini  
Laura Pogliani  
(Politecnico di Milano)

Simona Collarini  
Anna Prat  
(Comune di Milano)

Isabella Susi Botto  
(Città metropolitana di Milano)

Bartolomeo Corsini  
Maurizio Nichetti  
(CSC-sede Lombardia)  
Corinna Morandi  
(Ordine degli architetti PPC della Provincia di Milano)

## COORDINATION

Filippo Orsini  
Laura Pogliani

Ida Castelnuovo  
Francesca Cognetti  
Elena Fontanella  
Daniela Giannoccaro

Giovanni Gualdrini  
Gaia Meacci  
Filippo Oppimitti  
Jessika Ronchi  
(Politecnico di Milano)

# TABLE OF CONTENTS

## **FOREWORD**

- 8 RE-SHAPING PERIPHERIES.  
STUDENTS' PROJECTS FOR A  
BETTER CITY  
Ilaria Valente, *Dean of the AUIC School*

## **00. INTRODUCTION**

- 12 0.1 REFERENCES AND  
PERSPECTIVES IN RE-SHAPING  
PERIPHERIES: ITALO CALVINO'S  
OLINDA VERSUS THE  
"15 MINUTES CITY"  
Massimo Bricocoli, *Head of the  
Department of Architecture and Urban  
Studies (DASU)*
- 16 0.2 THE URBAN HEALTH  
CHALLENGE: BRIDGING PUBLIC  
HEALTH ISSUES TO THE  
PERIPHERIES, ACCORDING TO  
THE LESSON LEARNED FROM THE  
PANDEMIC PERIOD  
Stefano Capolongo, *Head of the  
Department of Architecture, Built  
Environment and Construction  
Engineering (ABC)*
- 20 0.3 PERIPHERIES AS FRAGILE  
TERRITORIES  
Gabriele Pasqui, *Scientific Coordinator  
of the Excellence Department "Fragile  
Territories" research project*

## **01. THE SCHOOL AND THE CITY**

- 26 1.1 THE METAMORPHOSIS OF THE  
PERIPHERIES: ARCHITECTURE AND  
PUBLIC SPACE AS A PARADIGM  
Filippo Orsini
- 36 1.2 MILANO PERIPHERIES AND THE  
PUBLIC SPACE DESIGN.  
Laura Pogliani
- 44 1.3 TOWARD PERIPHERIES'  
REGENERATION. THREE STRATEGICAL  
DESIGN ORIENTATIONS.  
Elena Fontanella
- 52 1.4 RESPONSIBLE RESEARCH AND  
RESPONSIBLE EDUCATION: SOCIETY-  
ORIENTED COMPONENTS OF THE  
THIRD MISSION  
Francesca Cognetti
- ## **02. ON THE FIELD**
- 60 2.1 LOSING TIME TO GAIN SPACE.  
(IN THE PERIPHERY). RESEARCH IN  
ACTION: PLACES AND TOPICS  
Filippo Oppimitti, Jessika Ronchi
- 70 2.2 ARCHIVES FOR FUTURE: AN  
EXHIBITION AT POLITECNICO DI  
MILANO  
Filippo Orsini, Laura Pogliani,  
with: Filippo Oppimitti, Giovanni Gualdrini,  
Jessika Ronchi
- 74 2.3 RESEARCH BY PHOTOGRAPHY  
Giovanni Hänninen (with Elena  
Fontanella) and the students of the course  
Photography for Architecture

### **03. PROJECT SITES**

*Design exploration from courses,  
studios, workshops, and dissertations*

- |     |   |     |  |
|-----|---|-----|--|
| 80  | <b>MUNICIPAL AREA 2</b>                                   | 252 | <b>MUNICIPAL AREA 6</b>  |
| 86  | VIA ADRIANO   | 258 | RONCHETTO SUL NAVIGLIO, PIAZZA<br>TIRANA, SAN CRISTOFORO STATION |
| 104 | VIA PADOVA  | 272 | VIA LOMBARDINI   |
| 118 | MERCATO COMUNALE GORLA                                    | 278 | CESANO BOSCONI, CORSICO,<br>BUCCINASCO, ASSAGO                   |
| 132 | MERCATO COMUNALE MONZA                                    |     |  |
| 138 | MAGAZINI RACCORDATI                                       |     |  |
| 152 | EX MERCATO DEL PESCE                                      | 284 | <b>MUNICIPAL AREA 7</b>  |
|     |   | 290 | QUARTIERE SAN SIRO   |
| 162 | <b>MUNICIPAL AREA 3</b>                                   |     |  |
| 168 | ASSE LAMBRO   | 308 | <b>MUNICIPAL AREA 8</b>  |
| 190 | ROMBON  | 314 | EX PALAVOBIS (LAMPUGNANO HUB)                                    |
|     |   | 320 | PIAZZA PREALPI   |
| 200 | <b>MUNICIPAL AREA 4</b>                                   | 326 | MERCATO COMUNALE QT8<br>SCUOLA BOTTONI                           |
| 206 | PORTO DI MARE   |     |  |
| 220 | ROGOREDO  | 332 | <b>MUNICIPAL AREA 9</b>  |
|     |   | 338 | BOVISA/VILLAPIZZONE  |
| 230 | <b>MUNICIPAL AREA 5</b>                                   | 352 | DERGANO  |
| 236 | VIA ORTLES 36 (EX MONTECATINI)                            |     |  |
| 246 | CASCINA SAN BERNARDO, CASCINA<br>GRANGIA, DISUSED RAILWAY |     |  |

**Architectural Design Studio**

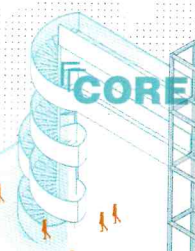
Professors: Alessandro Rocca, Marco Bianconi, Enrico Molteni  
Master

**Laboratorio di Progettazione Architettonica**

Professors: Marco Lucchini, Francesca Danesi, Viviana Di Martino  
Master

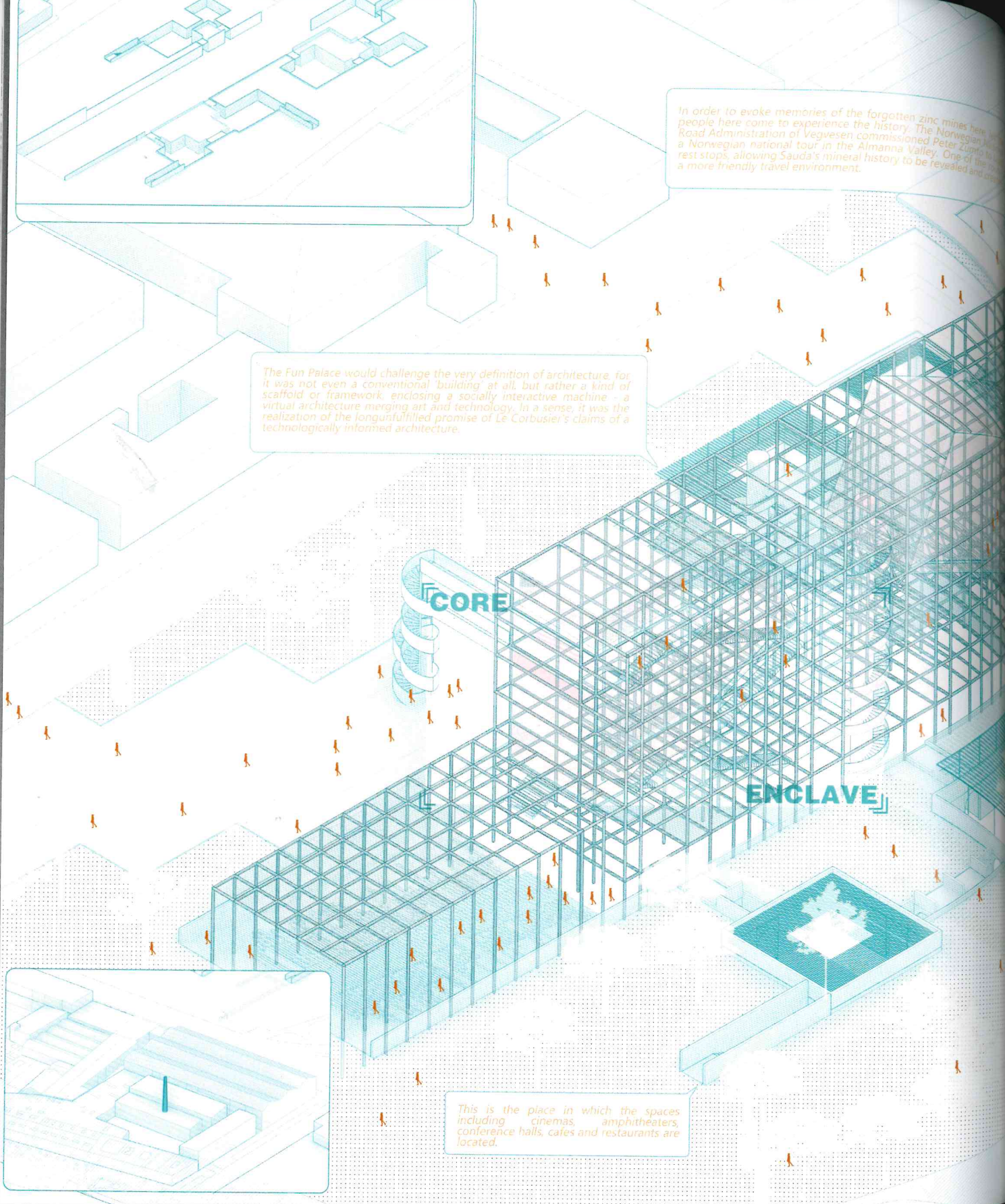
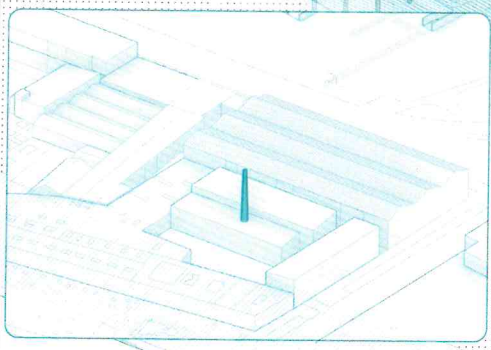
In order to evoke memories of the forgotten zinc mines here, people here come to experience the history. The Norwegian Road Administration of Vegvesen commissioned Peter Zumthor to create a Norwegian national tour in the Almanna Valley. One of the rest stops, allowing Sauda's mineral history to be revealed and a more friendly travel environment.

The Fun Palace would challenge the very definition of architecture, for it was not even a conventional building at all, but rather a kind of scaffold or framework, enclosing a socially interactive machine -- a virtual architecture merging art and technology. In a sense, it was the realization of the longunfulfilled promise of Le Corbusier's claims of a technologically informed architecture.



ENCLAVE

This is the place in which the spaces including cinemas, amphitheatres, conference halls, cafes and restaurants are located.





## ARCHITECTURAL DESIGN STUDIO

*Professors: Alessandro Rocca, Marco Bianconi, Enrico Molteni  
Tutors: Giuseppe Vallelonga, Francesca Zanotto*

Our design studio focuses on the project of a complex architecture hosting multiple activities, such as a civic and cultural center, commercial and leisure entertainment, urban infrastructure and outdoor public spaces, located in the vacant lot of the former Montecatini industrial area in viale Ortles.

Starting from self-produced set of guidelines, students' teams move on and elaborate the architectural design of the new building(s) and spaces. In this phase, we address themes related to the internal and external organization of spaces and environments, image, technological aspects, and other aspects that find their synthetic meaning in the word 'Typology'. We will use existing buildings and projects, as well as past and present proposals, to define a number of key principles that will guide the thinking related to the design of spaces; the layout, and the image of the building(s).

Studio is driven through two principal lines: one is the continuous and patient elaboration of the architectural project; the second one is made of a series of short term design exercises where students elaborate instant proposal, made in 4 hours, about a specific topic of their project. In different moments, they did instant proposals for these topics: outdoor spaces, main section, axonometric view, facade, structure, interiors, ornament. These exercises helped in better focusing on the more relevant aspects of their projects, demanding a clear decision about points capable of orienting and qualifying the entire design.

*The materials shown in these pages is a summary of all the work of the student and are not related to a single working group.*

*Students:*

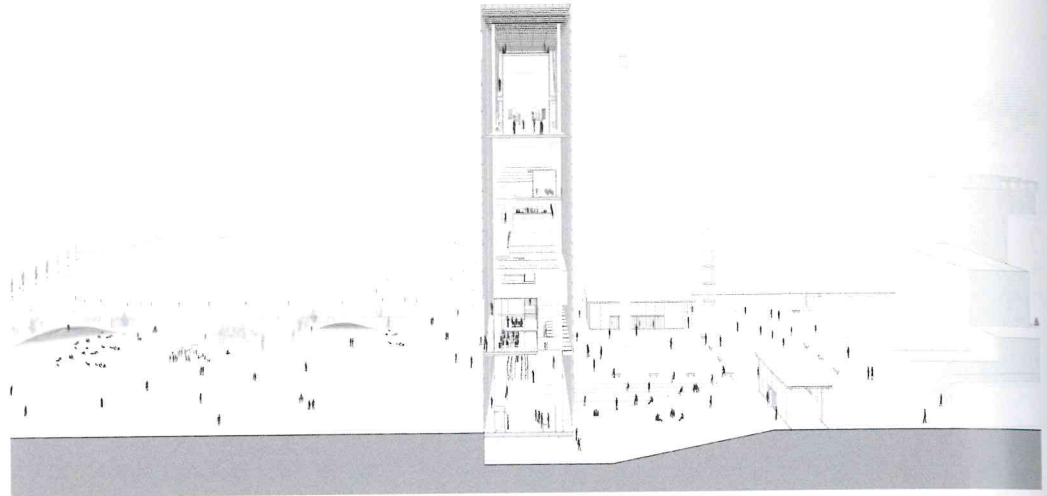
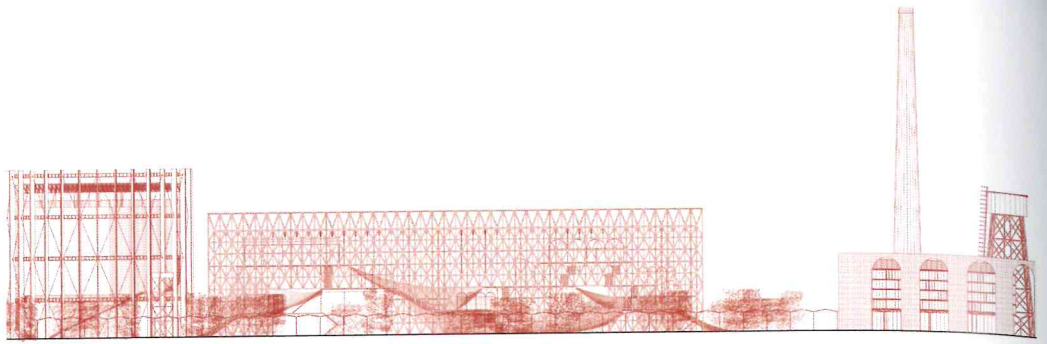
Alice Bassi, Cui Jiarui, Francesca Gardini, Moller Becerri Cosette, Eliza del Castillo, Sebastian Diaz Reveron, Serrop Sonmez, Gulhan Serenay, Hanna Hoffmann, Krishnakumar Somalinga, Javier Gomez De Miguel, Alvaro Gonzalez Cerezo, Sun Hanqui, Serenay Gulhan, Monica Ferraboschi, Konstantina Gkovari, Bachar Naboulsi, Andrea Velkoska, Jinyu Zhang, Silje Daehli, Romila Faye Strub, Alkistis Volonasi

*On the previous page*

*Students:*

Mohammad Sadegh Kaveh,  
Zahra Zandgheshlaghi,  
Jinyu Zhang

Students:  
Monica Ferraboschi,  
Irene Muñoz Rojo,  
Qian Wen Xiao

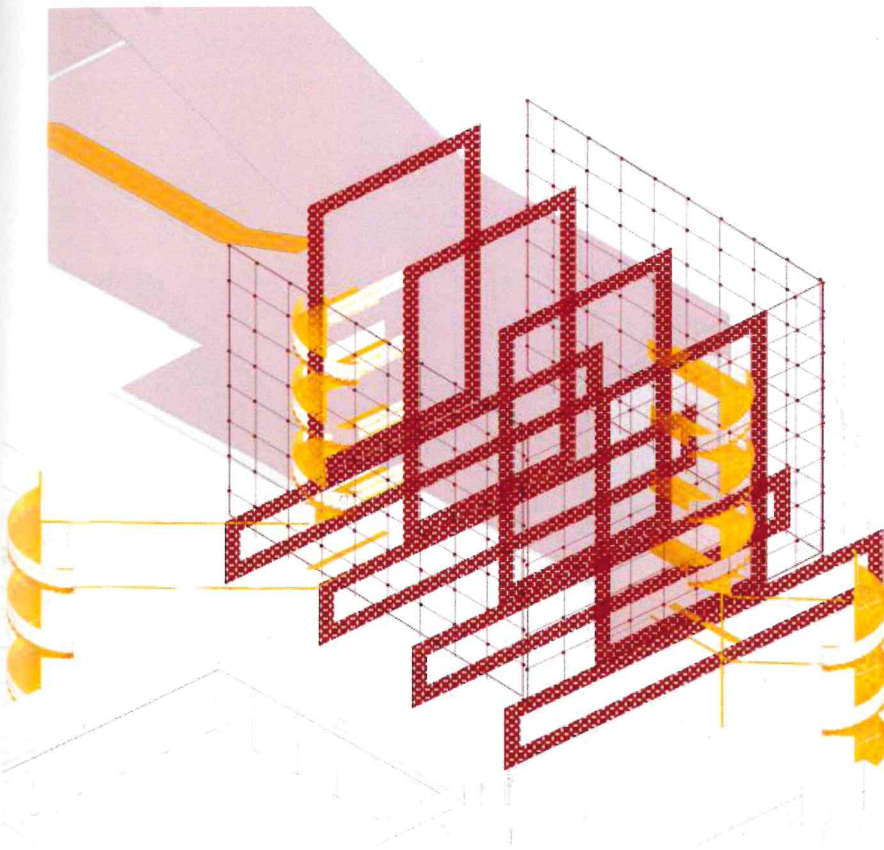
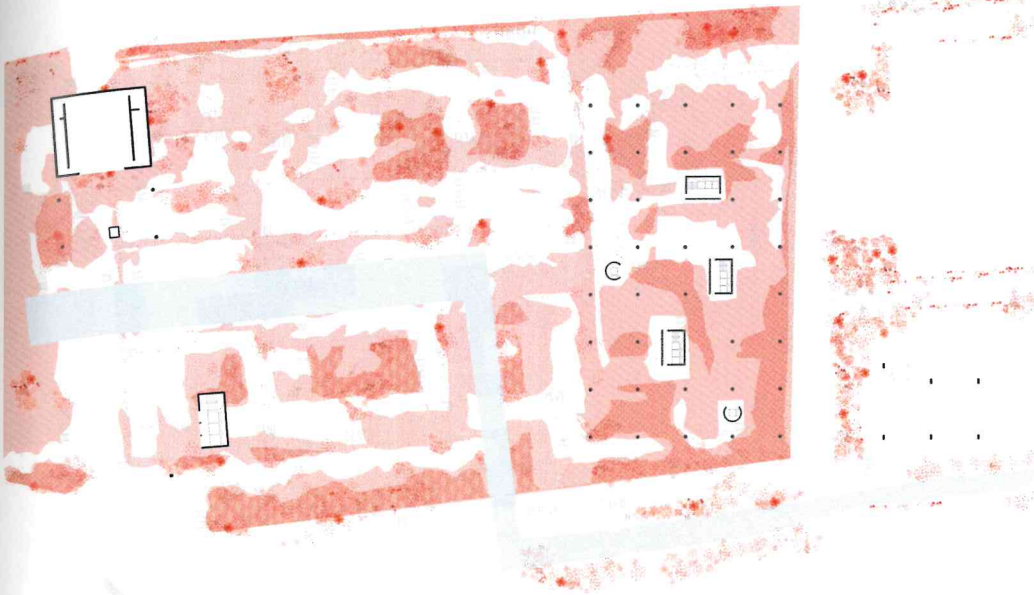


Students:  
Francesca Gardini,  
Claudia Gardinetti Salazar,  
Douglas Hamersley



Students:  
Silje Daehli,  
Hilde Maråk,  
Candelaria Lanza Castelli

Students:  
Javier Gómez De Miguel,  
Álvaro González Cerezo,  
Serenay Gülhan



Students:  
Jinyu Zhang