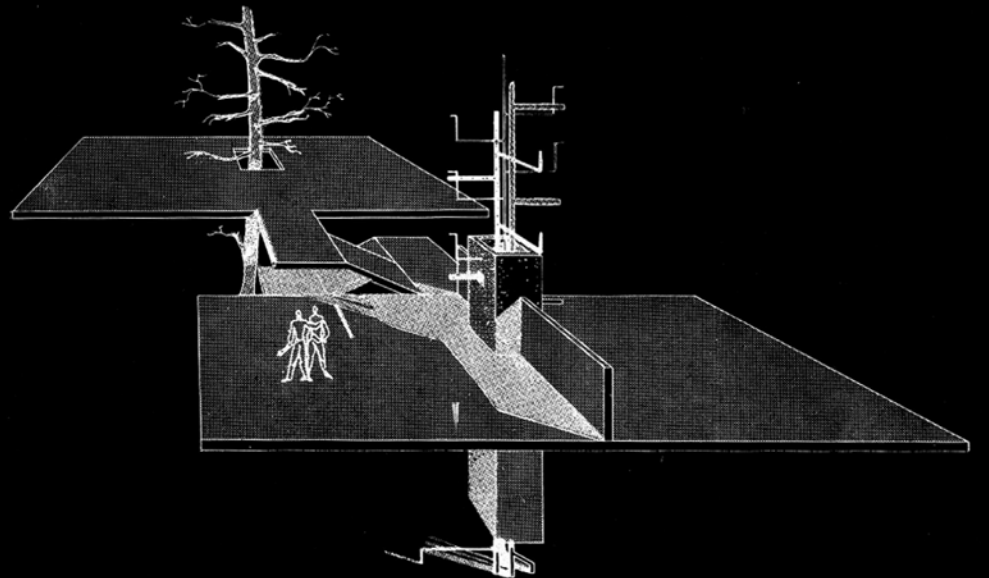
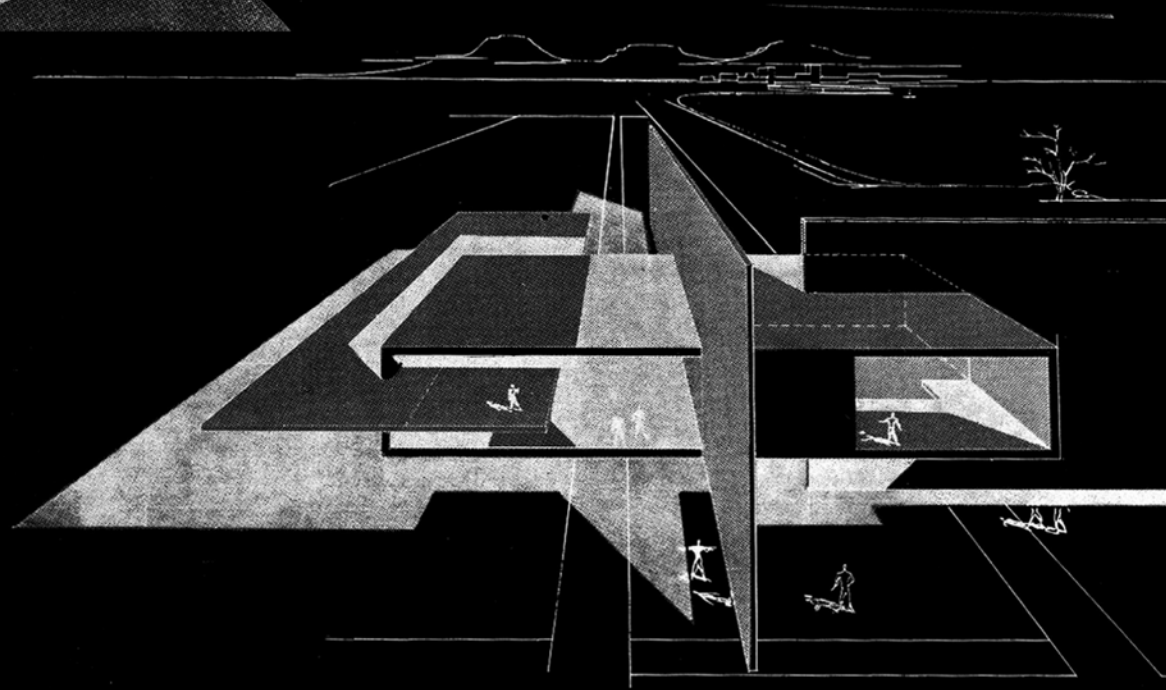
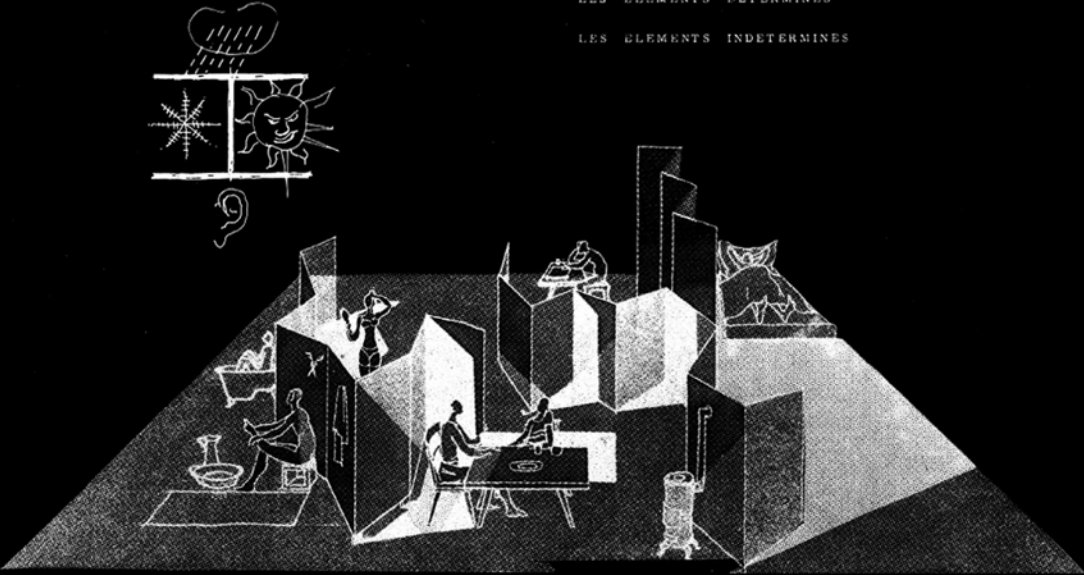


DANS L'ANALYSE DU LOGEMENT NOUS TROUVONS DEUX GRANDES FAMILLES DE COMPOSANTS

LES ELEMENTS DETERMINES

LES ELEMENTS INDETERMINES



HOUSING
TYPOLOGIES

Servant
Served
Spaces

"SPRING SEMESTER 2025"
CLIMATIC ATLAS

SPACING



TOPOS

Strategies

Topologies

HOUSING

Systems

TECTONICS



TYPOS

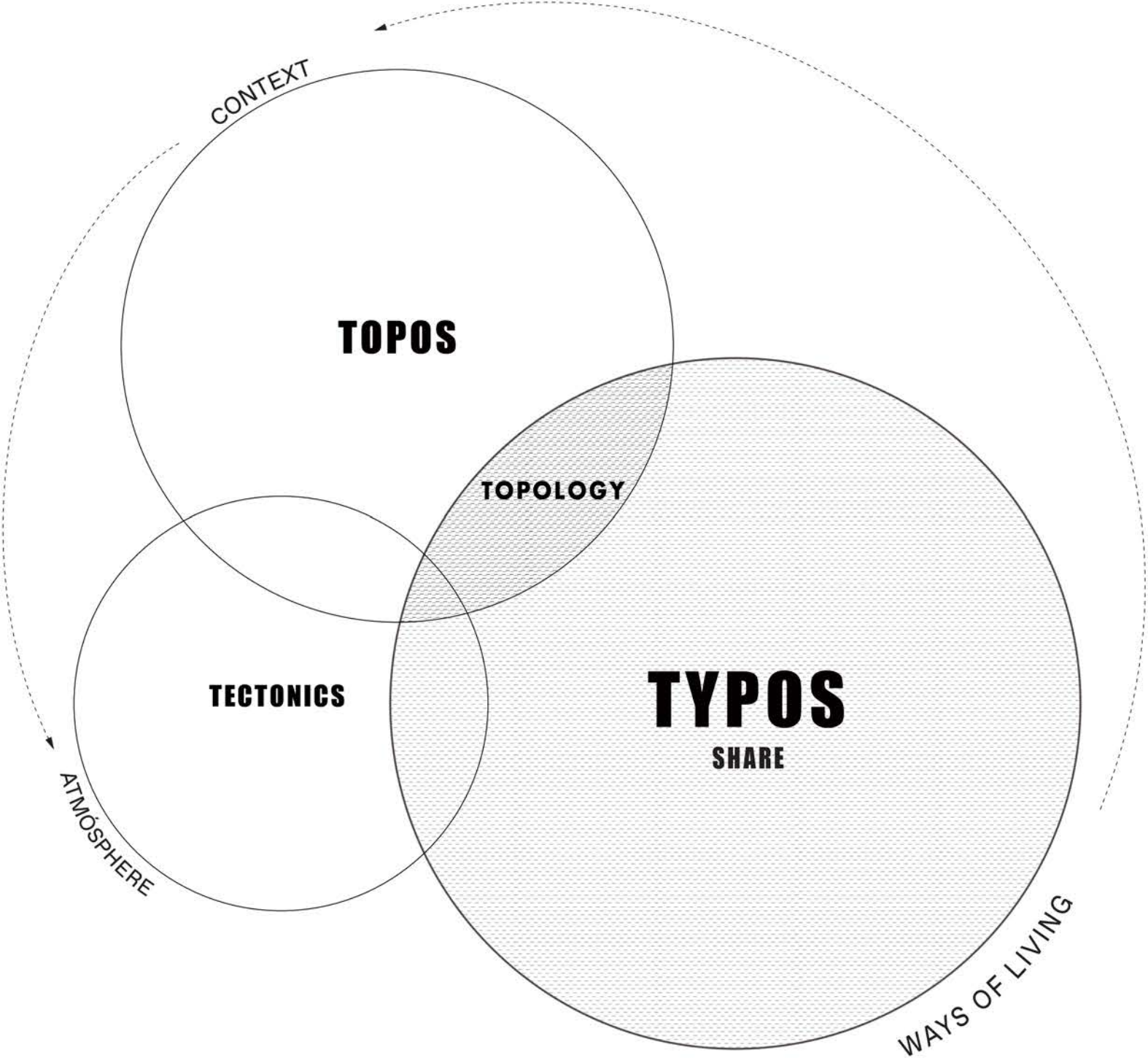


REDUCE

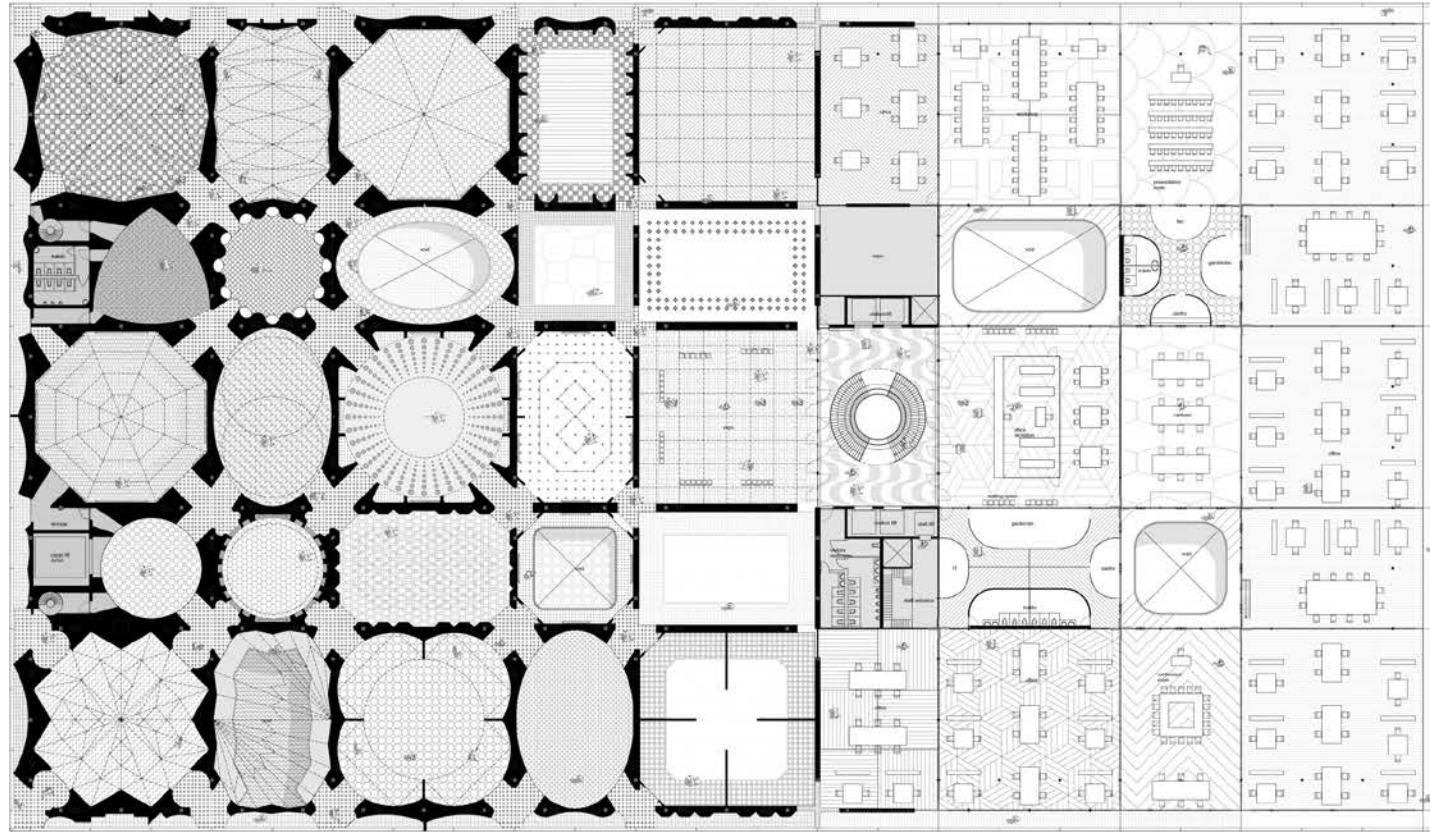
SHARE

"FALL SEMESTER 2024"
MATERIAL ATLAS

"FALL SEMESTER 2025"
SERVE AND SERVANT



typos



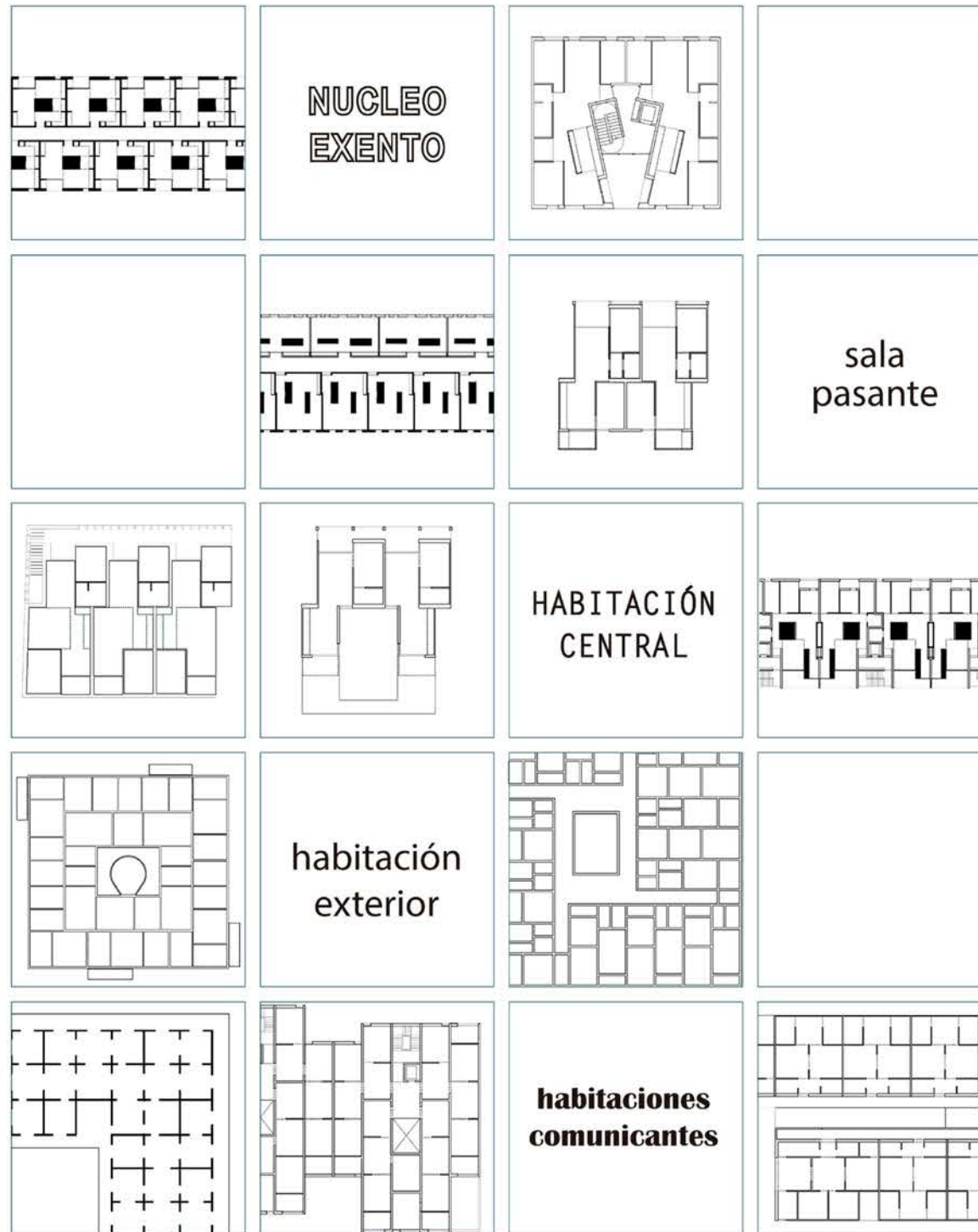
KATARZYNA NOWAK, ART IN CONTEXT, 2016

- + typology
- + aggregation
- + double circulations
- + diagonals
- + interconnected rooms
- + porosity
- + de-hierarchisation
- + shared spaces
- + inclusion
- + privacy

jevons paradox

sharing

spatial mechanisms



EXERCISE I

fall semester 2026

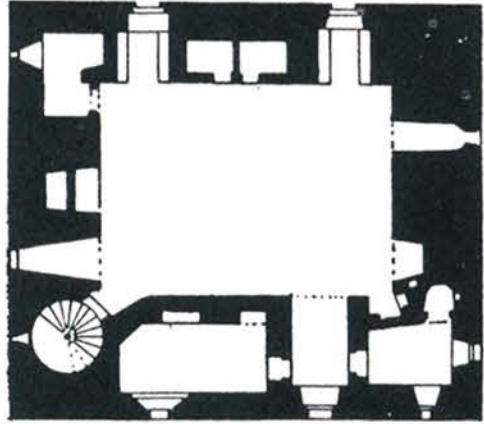
SERVANT SERVED ANALYSIS

For the initial exercise, each student will analyse a different reference project selected from a list provided by the teaching staff, focusing on either a servant- or served-space strategy. This distinction establishes the focus of the analysis rather than an exclusive classification, since every project must ultimately be understood through the relationship between both kinds of space. Rather than merely categorising rooms by function, students will examine how the proportions, spatial definition and arrangement of these spaces organise the dwelling and shape the way it is inhabited.

The exercise will conclude at the midterm review with the submission of a single vertical A1 sheet produced in black and white. It must include plans of both the dwelling typology and the complete building, together with relevant elevations or sections. Its principal drawing will be a military axonometric projection that explains the role of the selected strategy and incorporates signs of inhabitation, such as furniture, domestic objects, bodies and everyday activities.

Although the information may be drawn from several sources, it must be synthesised into a single coherent composition that communicates the relationship between spatial organisation and domestic life. The individual analyses will then be assembled into the collective Typology Atlas, transforming each student's work into a shared research and design resource for the studio.

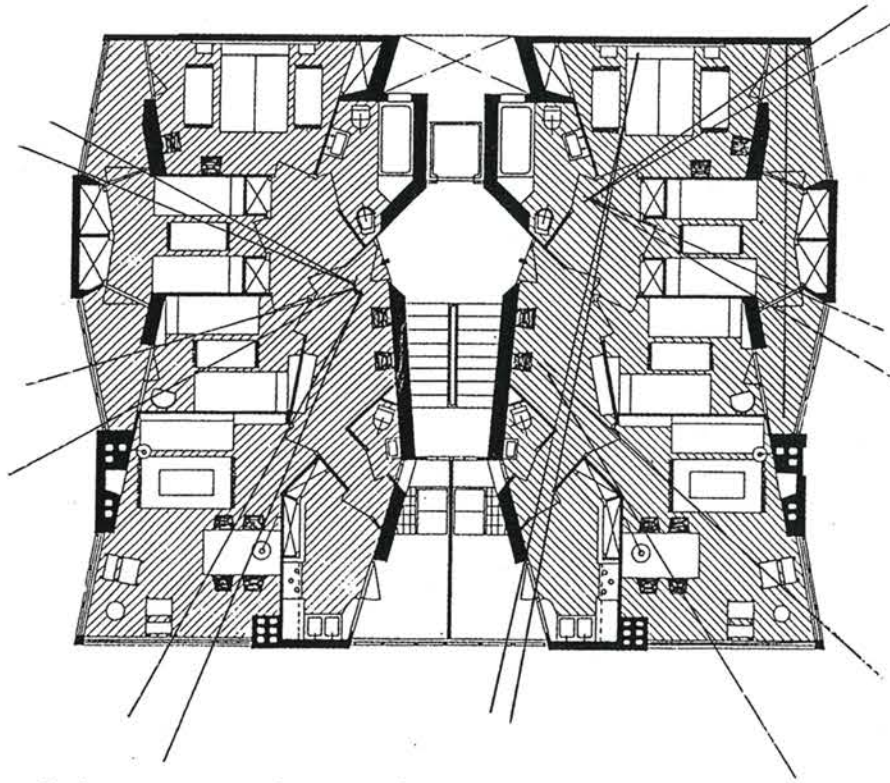
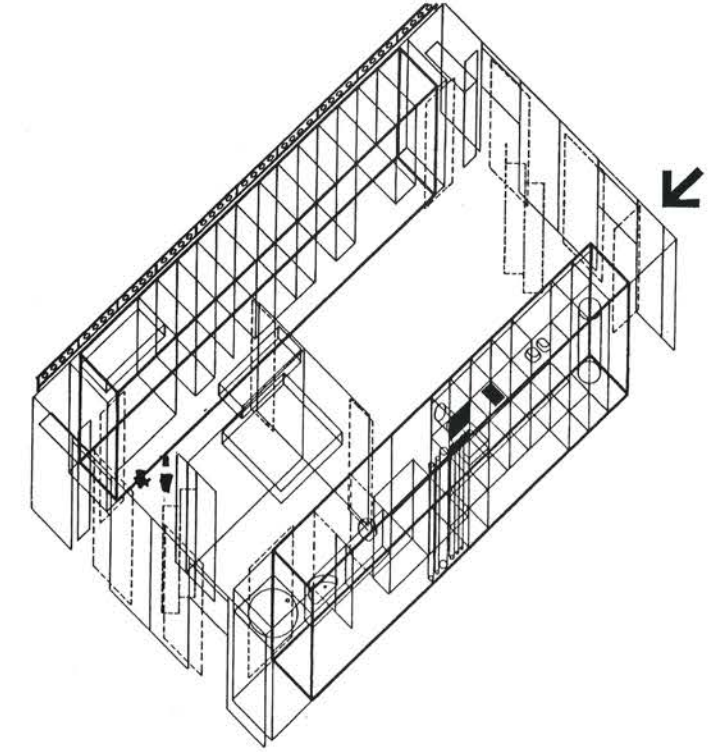
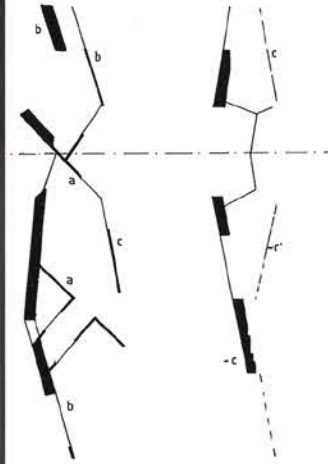
Individual work
A1 vertical sheet



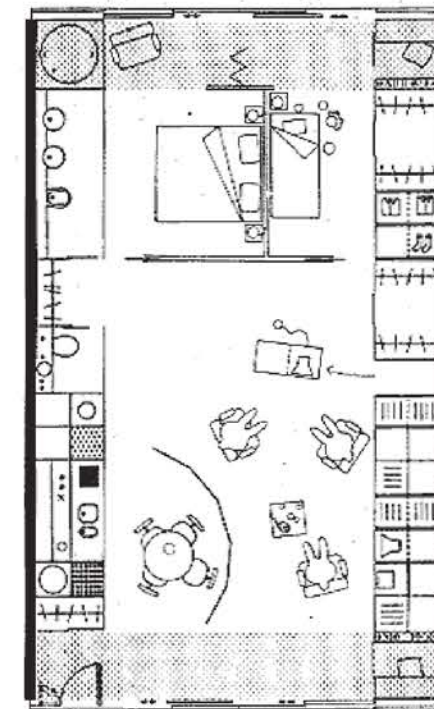
Steven Kent Peterson, 1980

PLAN POCHÉ

The eyes of our imagination can walk through walls. We can penetrate the space of solids; relearn the lessons of space, mass and volume, and appropriate the old plans through this new interpretation, revealing a space that was never meant to be seen.



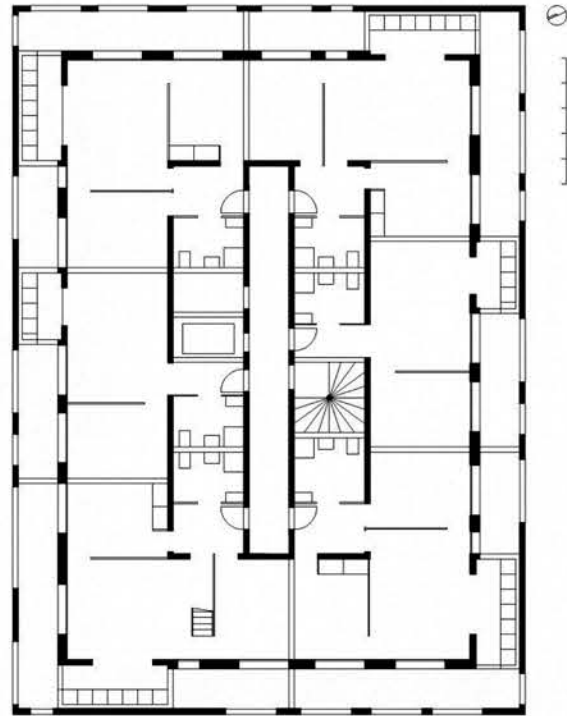
J. A. Coderch, *Housing in Barceloneta*, Barcelona, 1954



J. Delsalle and J.B. Lacoudre, *Project for the PAN 14 competition*, 1987

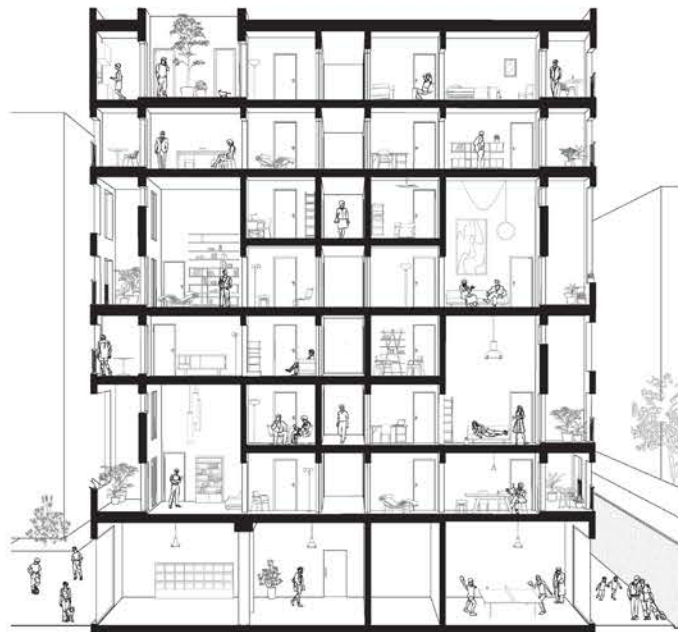
DEEP WALL

The load-bearing walls are thickened to accommodate servant areas, such as kitchens, closets, and bathrooms.

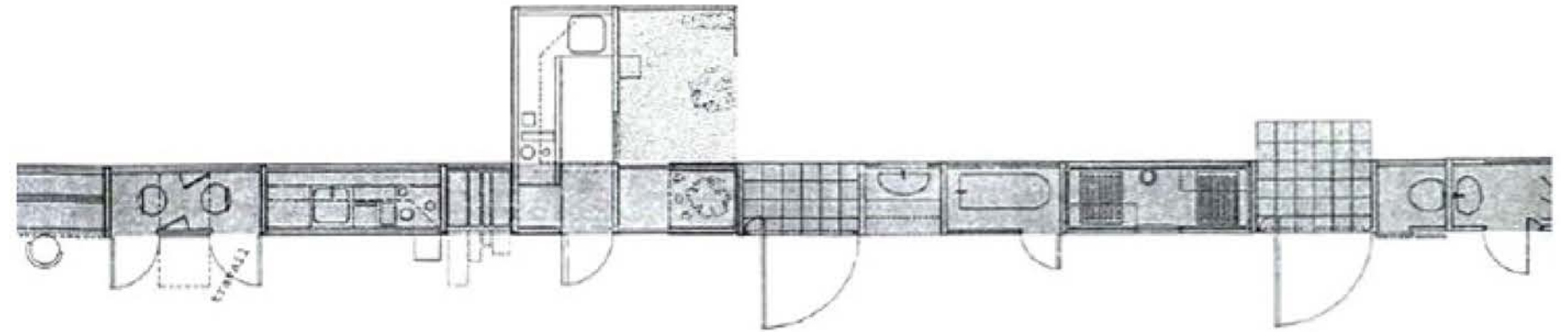


ALVEOLAR FAÇADE

The facade is no longer treated as a simple envelope; it becomes a deep, 'inhabited wall' able to accommodate programs like kitchens and galleries

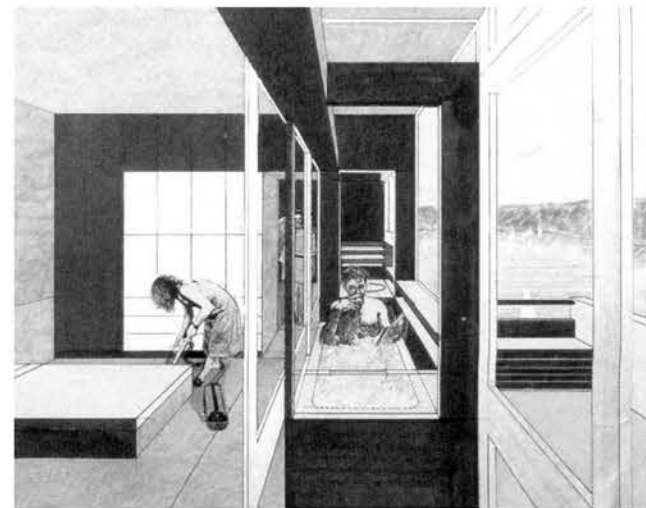


E. Lapierre, *Housing, Lyon*, 2014

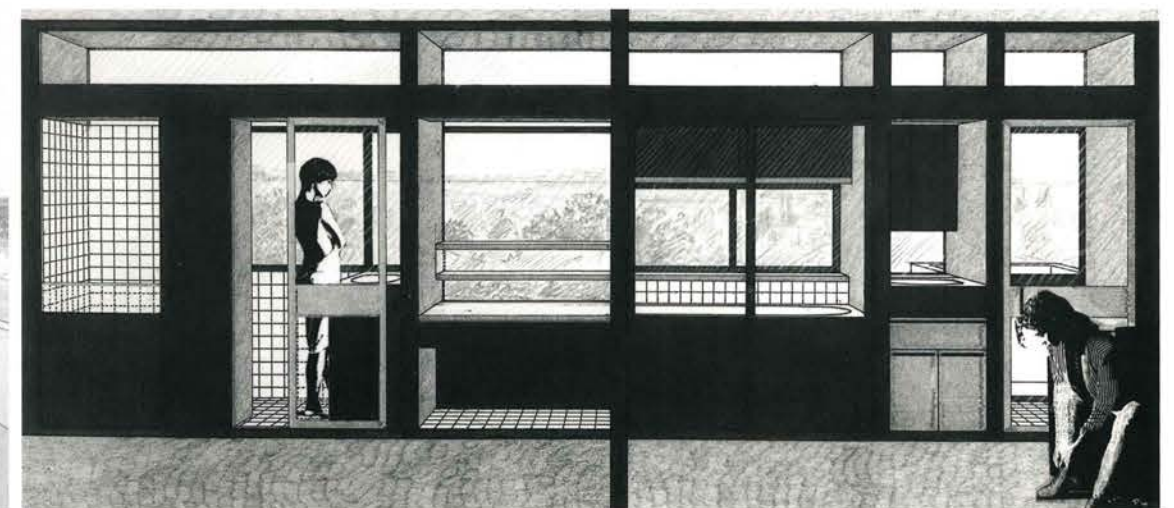


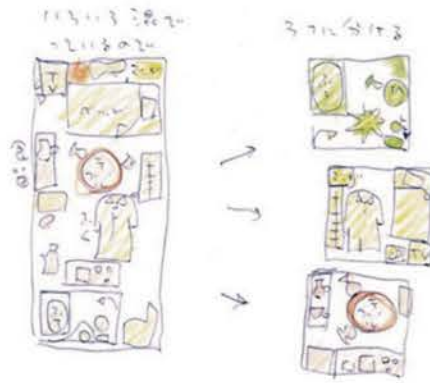
ACTIVE BAND

Yves Lion developed even more radical proposals that removed the hygienic chamber, disseminating the sanitary parts in a linear display,



Yves Lion, *Domus Demain*, 1984





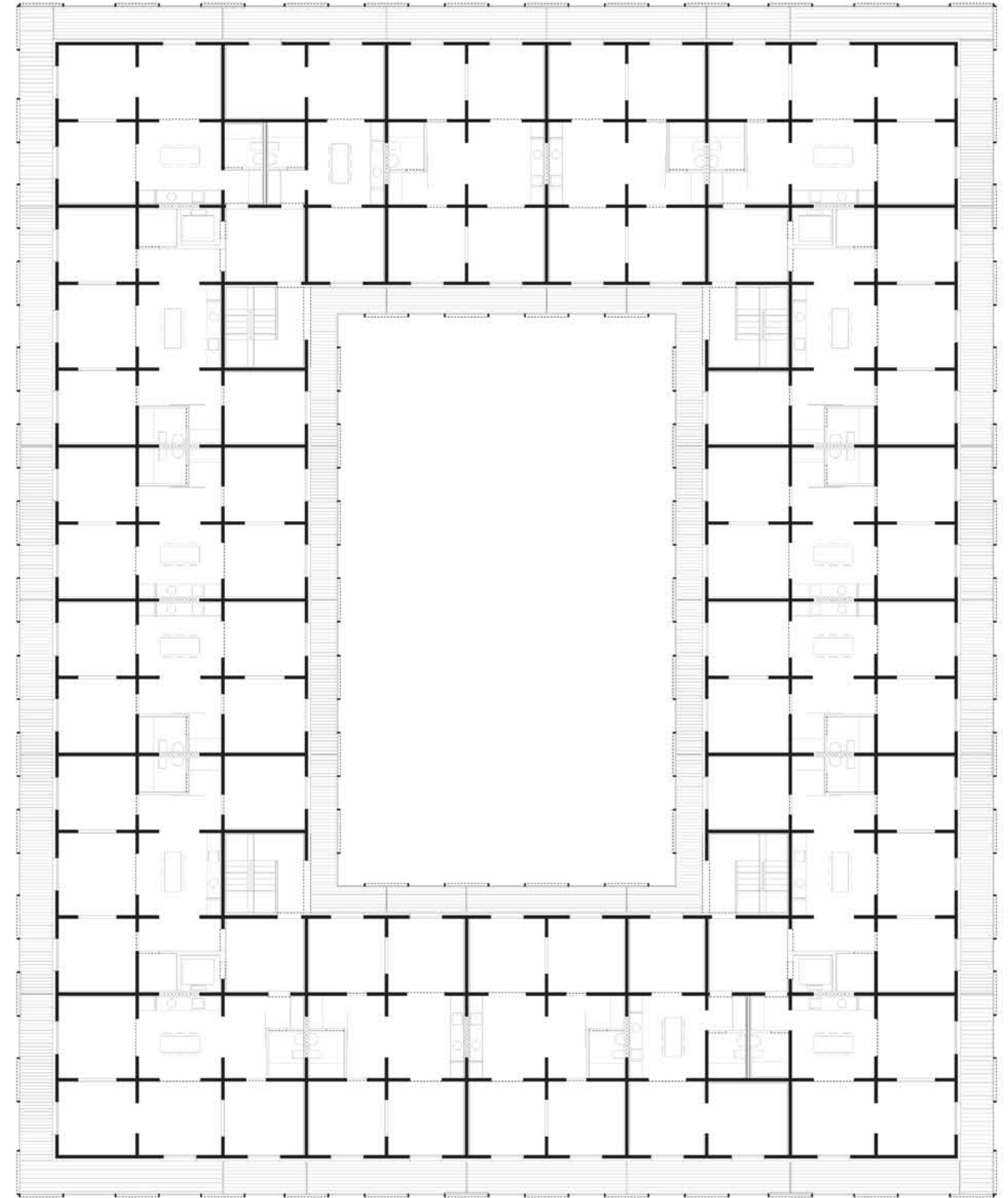
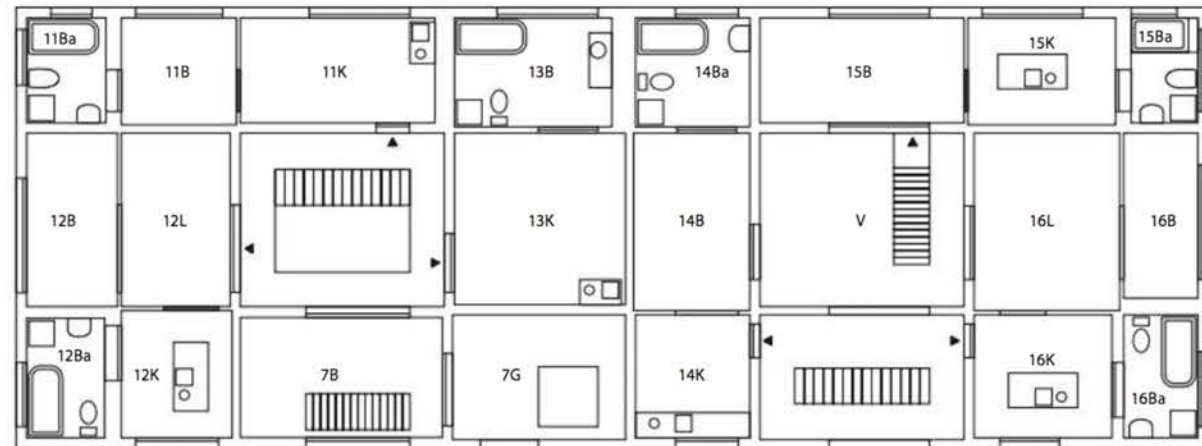
POROUS ROOMS

The radical nature of Japanese floor plans is oriented in another direction, as seen in the proposals of Ryue Nishizawa, where servant spaces are over-dimensioned to the point where they take on other uses. The concept of servant stops corresponding to a space to condensate itself into objects, such as domestic appliances or sanitary ware, scattered throughout the dwelling.



EQUAL ROOMS

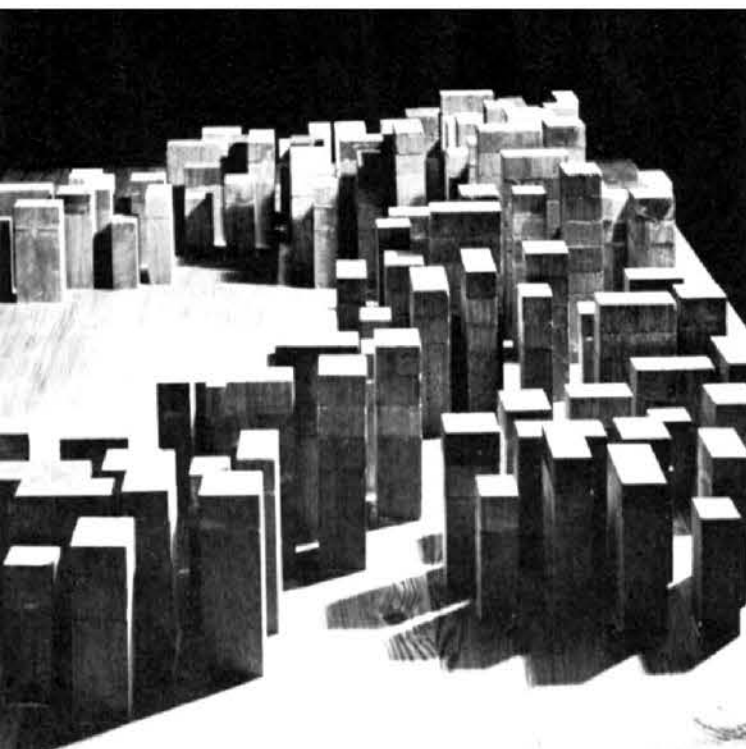
Surfaces are redistributed until they are equal, ensuring a minimum area to accommodate any type of use





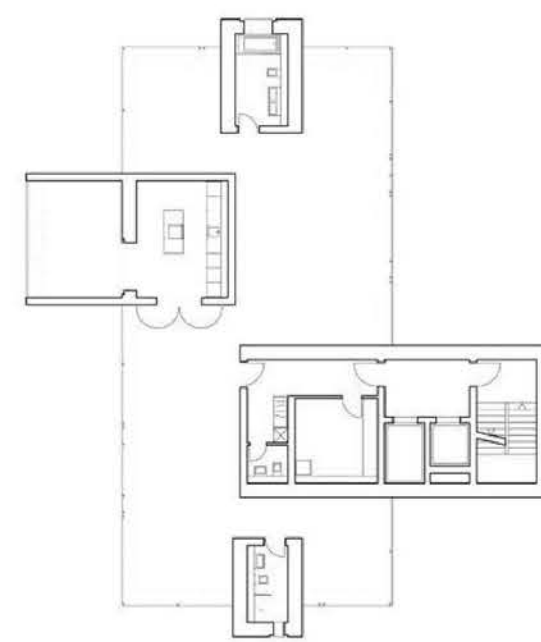
SERVANT CORES

These cores are detached from the walls and float in the domestic space, defining thresholds between rooms that replace doors, making it possible to follow the entire perimeter of the house without interruption. Each room blurs its boundaries by breaking three of its corners, encouraging a spatial continuum that interrelates with the entire dwelling.

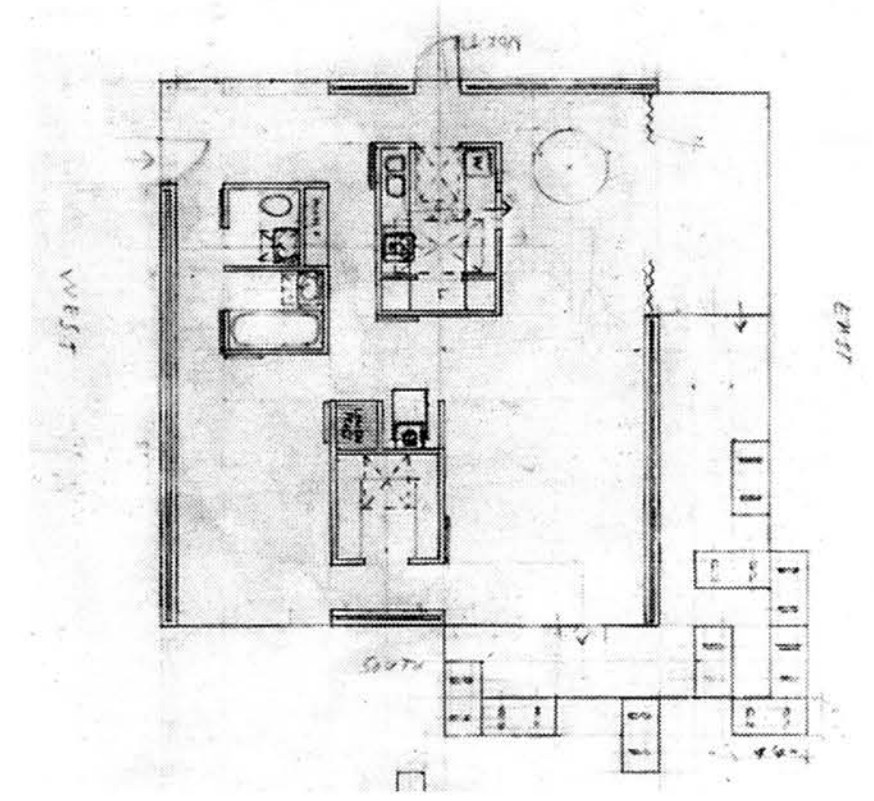


INHABITED BOXES

It refers to volumes or spatial elements which, despite possessing their own formal or structural identity, are designed to accommodate specific functions or activities and, critically, directly connect with or intersect the building's façade.



E2A Eagle House High-rise, London, 2016



Alison and Peter Smithson, Retirement House, 1959



fall semester 2026 basel study trip

Teamwork

Individual

Required Materials

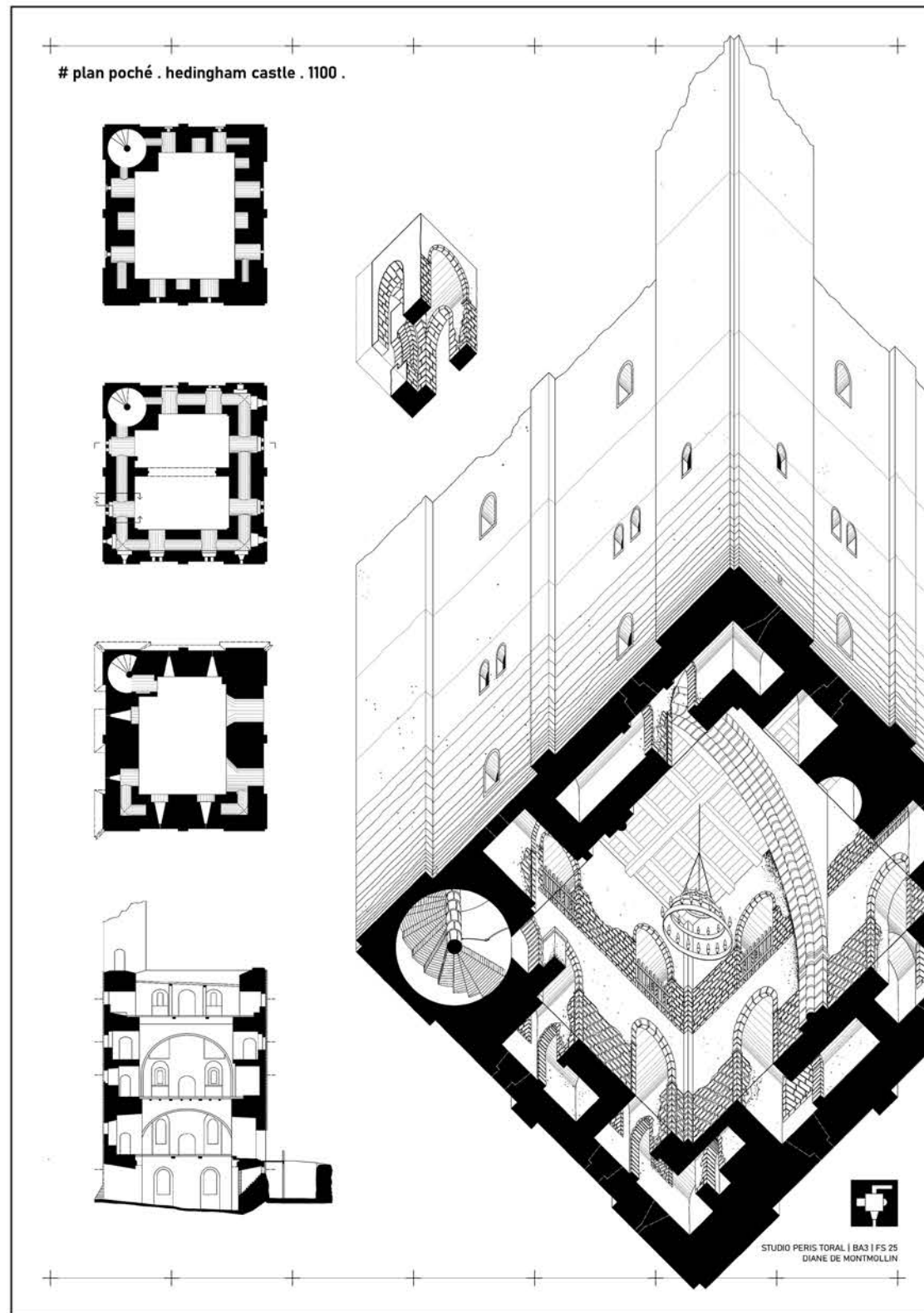
A1 vertical sheets of paper.

#1inhabit

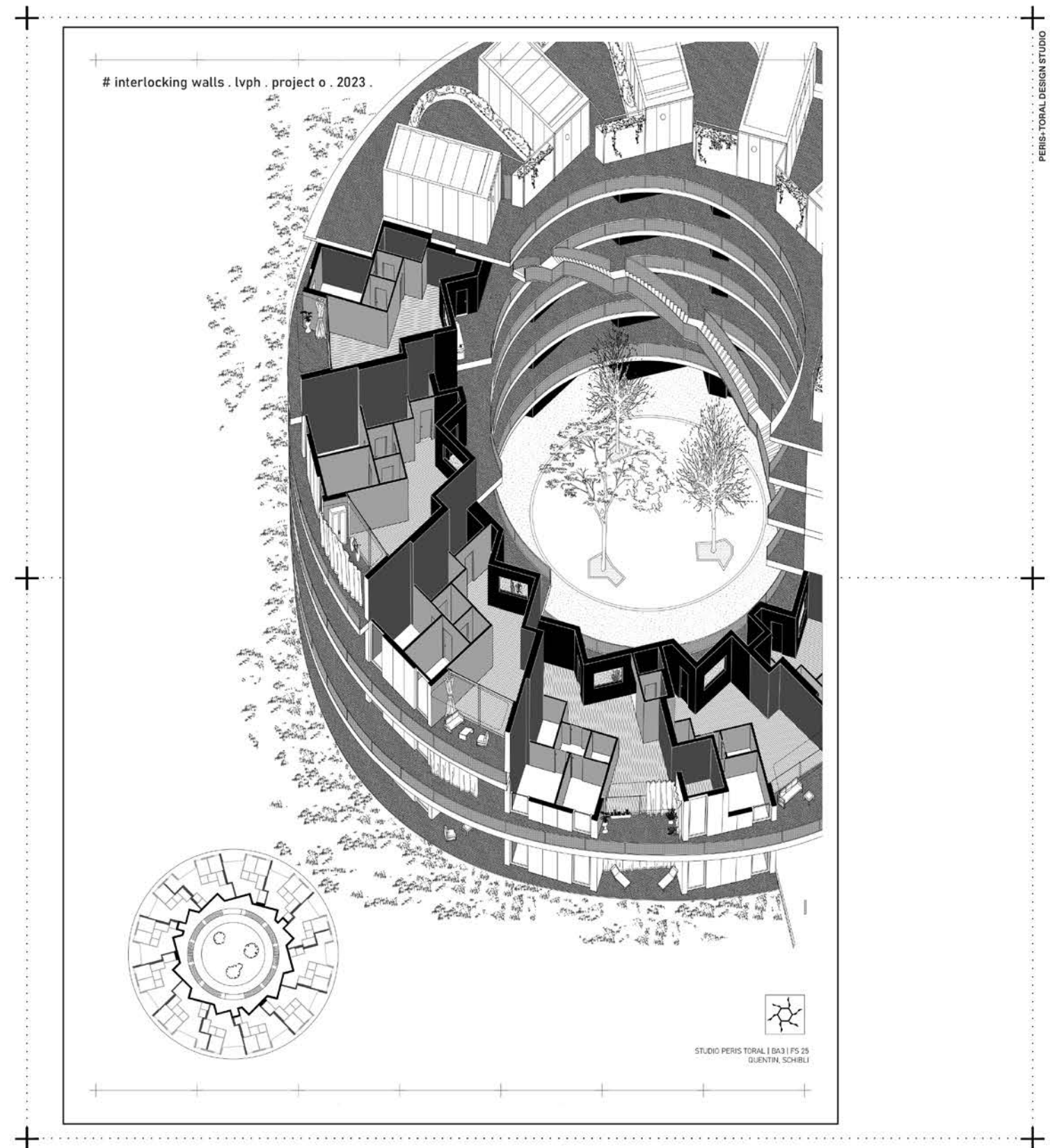
DIN A1



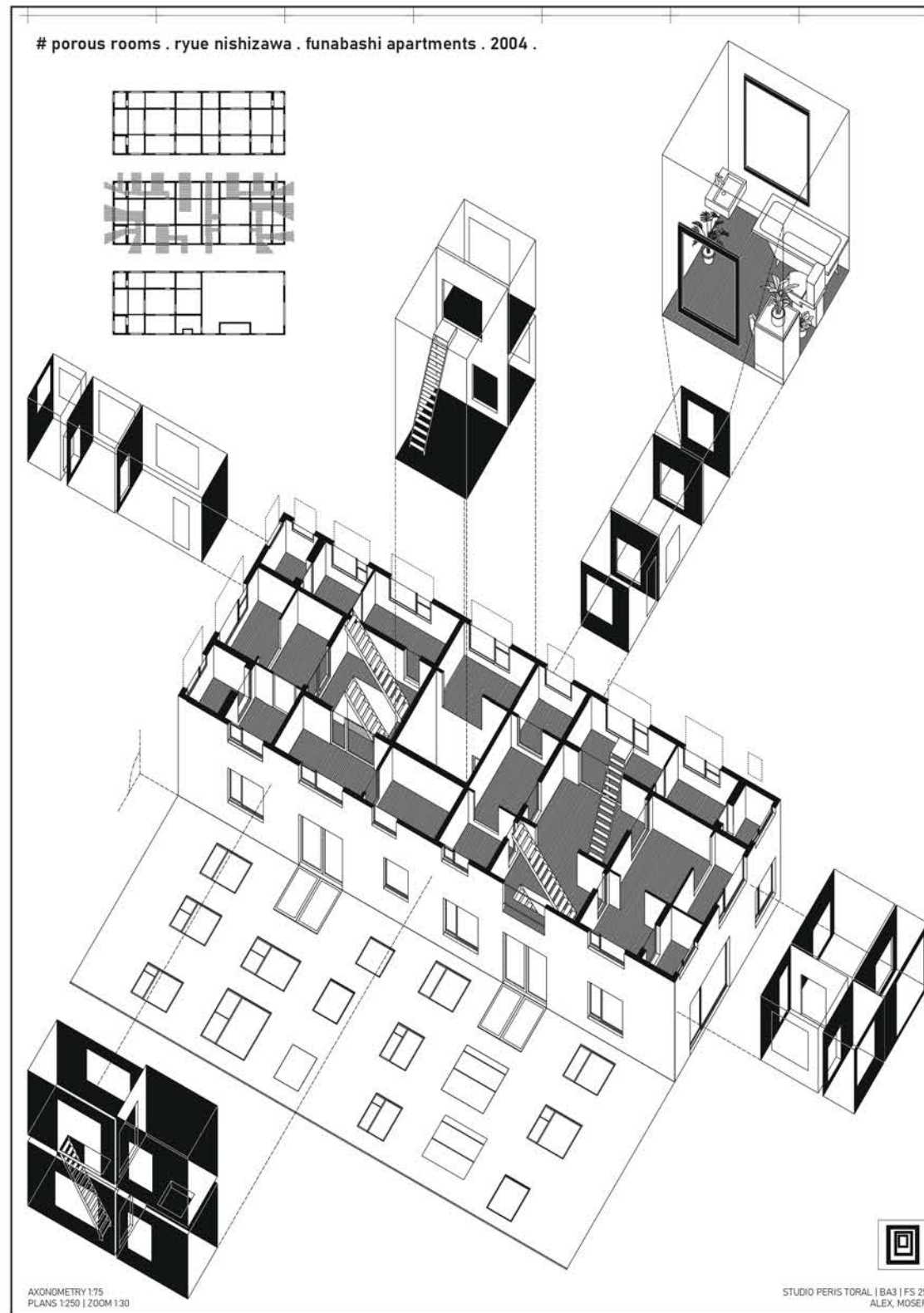
Frank O. Gehry, *Gehry Residence*, Santa Monica, 1978



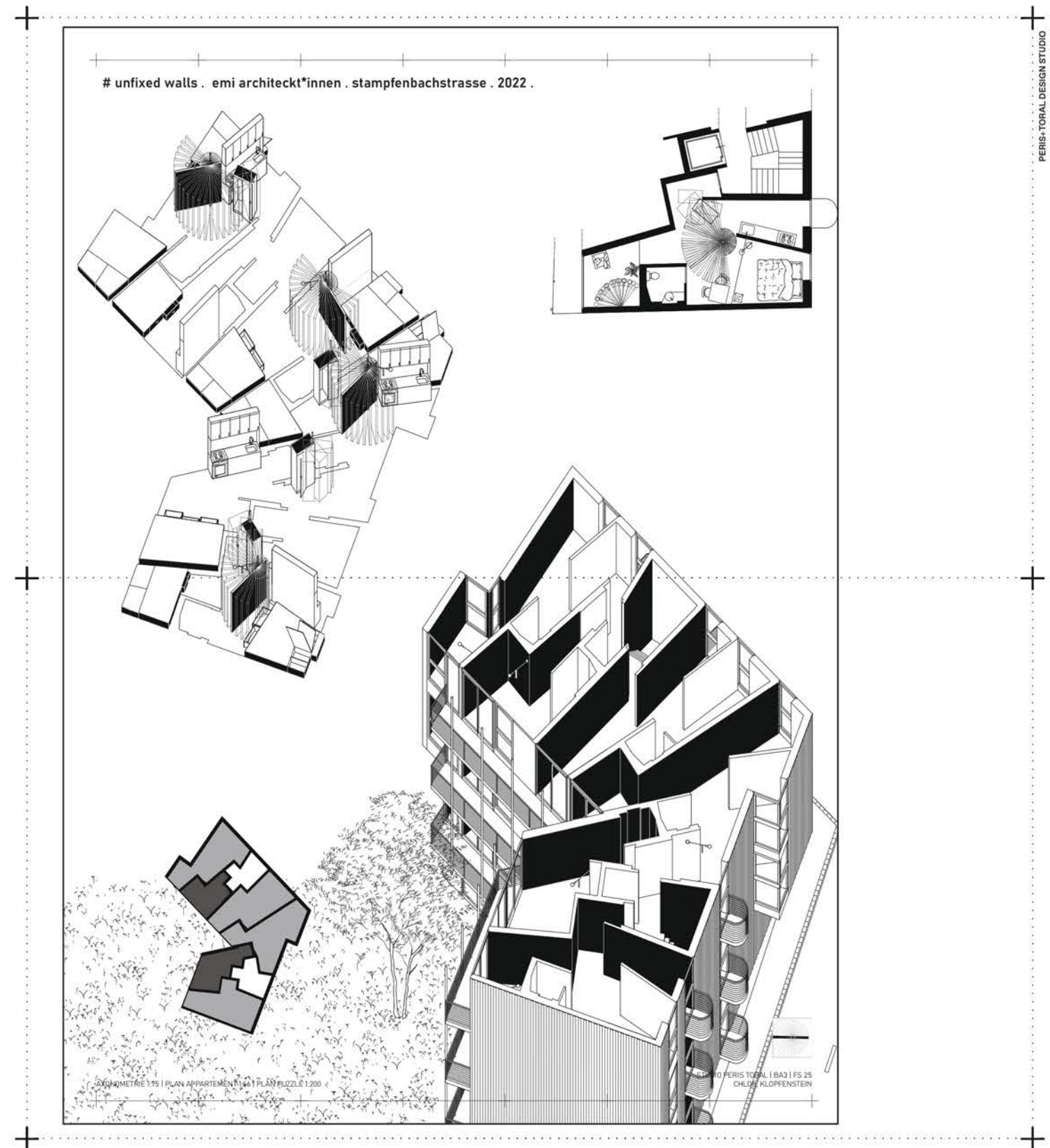
DEEP WALL - Hedingham Castle (Diane de Montmollin) FS25



INTERLOCKING WALLS - LVPH (Quentin Schibli) FS25



POROUS ROOMS - Funabashi (Axel Moser) FS25



UNFIXED WALLS - EMI architekt (Chloé Klopfenstein) FS25



CLUSTER ROW HOUSE

Exercise 2 will be developed in pairs. Each group will design a row-house cluster exploring the relationship between private domestic spaces and spaces shared by its residents. Although no specific geographical site will be assigned, each proposal will occupy a plot defined by party walls of different dimensions and connect with those of neighbouring groups.

Each pair will be assigned a servant- or served-space strategy different from those previously analysed by either member. The Typology Atlas will serve as a shared reference manual, enabling students to apply the assigned strategy as the organising principle of their proposal. Particular attention will be paid to degrees of privacy and transitions between individual, shared and collective forms of inhabitation.

The exercise will also explore the relationship between spatial organisation, structural systems—walls, frames and slabs—and construction systems. Architectural expression should emerge from the coherence between spatial, structural and material decisions. By responding to neighbouring party walls, students will understand the house as part of a larger structure that contributes to shaping the city.

For the final submission, each pair will present vertical A1 sheets in black and white, organised into two complementary groups. Inhabit will include floor plans, elevations and sections at 1:50. Construction will include a construction axonometric drawing at 1:50 explaining the structural and material logic of the proposal. A thermodynamic sectional perspective may be included as an optional component. All drawings must form coherent graphic compositions.

A physical model at 1:33 will also be required. The studio models will be assembled by joining their party walls, revealing how individual design decisions can collectively generate a fragment of the city.

CLUSTER HOUSE : SHARE

CLUSTER PROGRAM

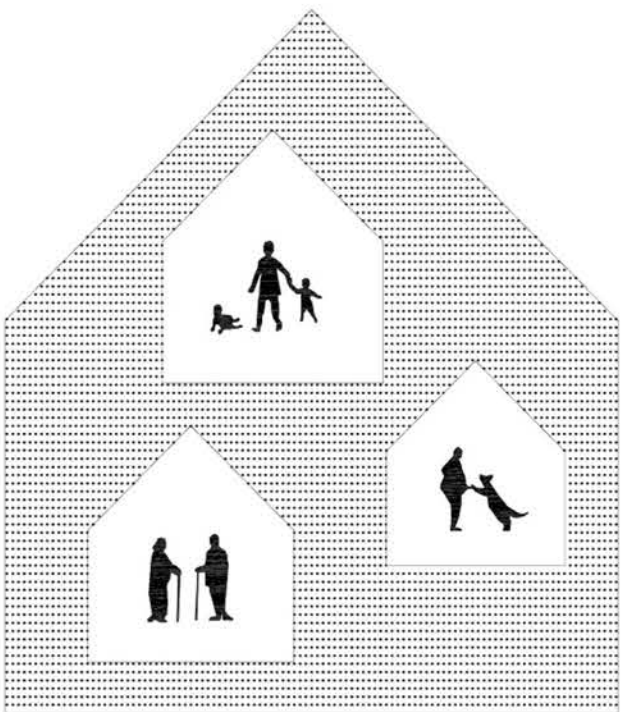
Number of people per cluster: minimum 4 / maximum 10
Cluster area: 30 m² per person
Living units, maximum usable floor area:

Single unit (1 person): 25 m²
One open-plan space / Bathroom / Kitchenette

Double unit (2 people): 35 m²
1 bedroom / Living room / Bathroom / Kitchenette

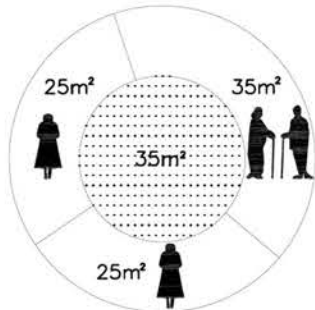
Triple unit (3 people): 45 m²
2 bedrooms / Living room / Bathroom / Kitchenette

Shared space — the remaining floor area of the cluster:
Living room
Kitchen-dining room
Bathroom

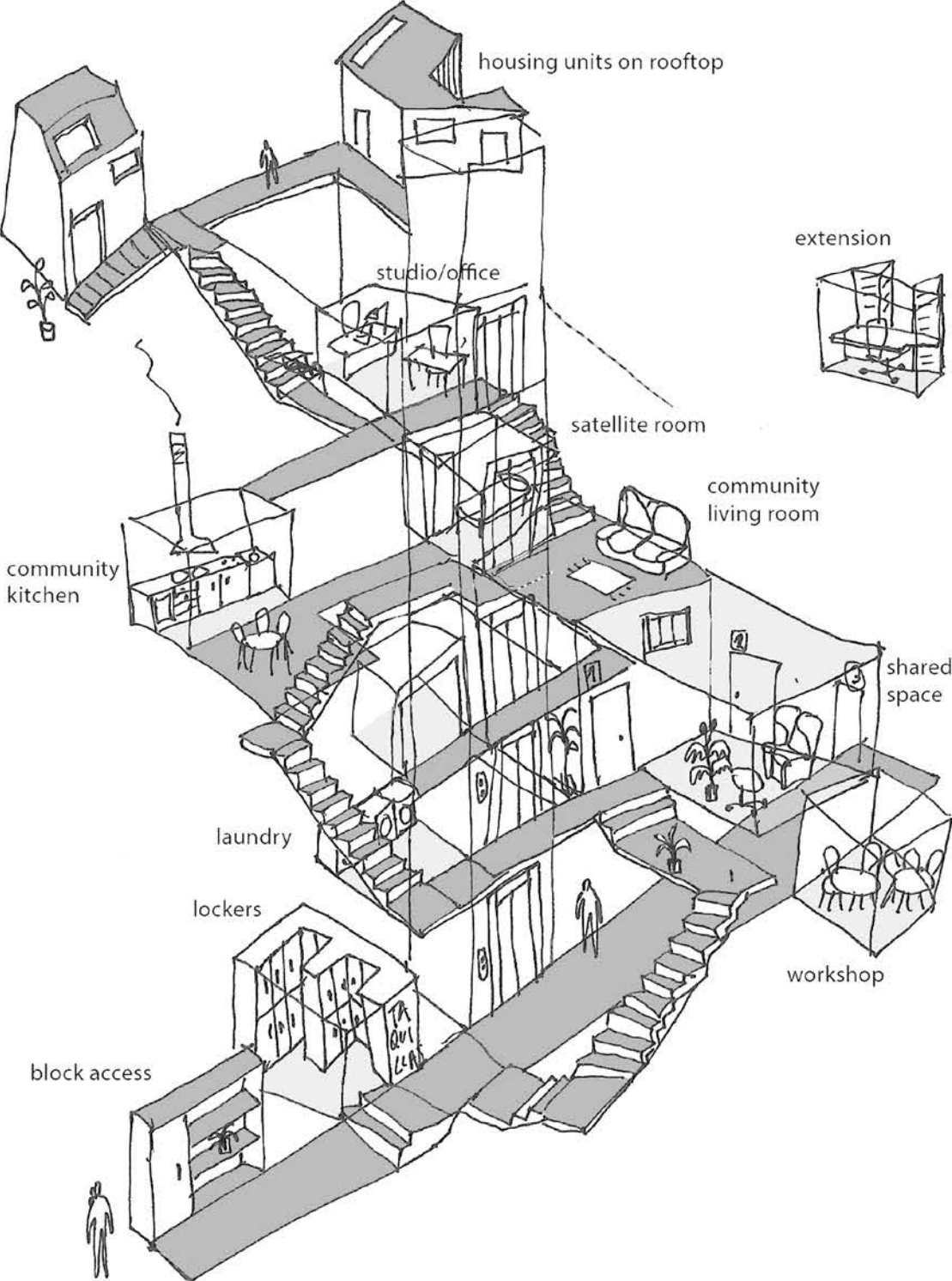
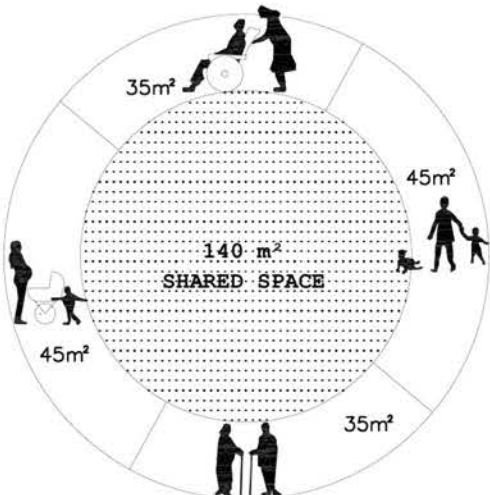


CLUSTER TYPOLOGY

CLUSTER Minimum 120 m² (4 x 30 m²)
4 people
2 single units + 1 double unit



CLUSTER Maximum 300 m² (10 x 30 m²)
10 people
2 double units + 2 triple units



TOPOS: ROW HOUSES

Heren 5	Kother & Salman	Erna van Sambeek	Wim Kloosterboer	Claus & Kaan
Claus & Kaan	Höhne & Rapp	Arne van Herk	Cees Christiaanse	Liesbeth van der Pol
Hans Tupker	Marlies Röhmer	Herman Zeinstra	Van Berkel & Bos	Willem Jan Neutelings
DKV	Xaveer de Geyter	Willem Jan Neutelings	O.M.A.	



2000 Borneo-Sporenburg (West 8)

Teamwork

Work in pairs.

Required Materials

Two vertical sheets of paper.

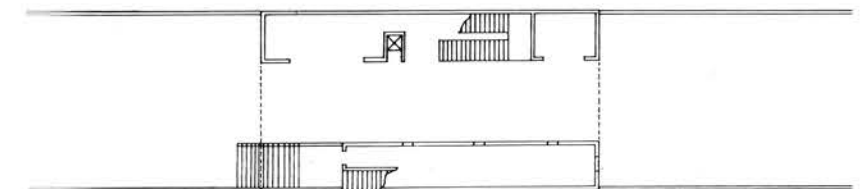
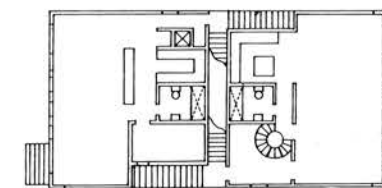
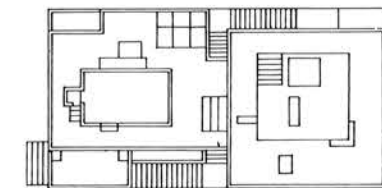
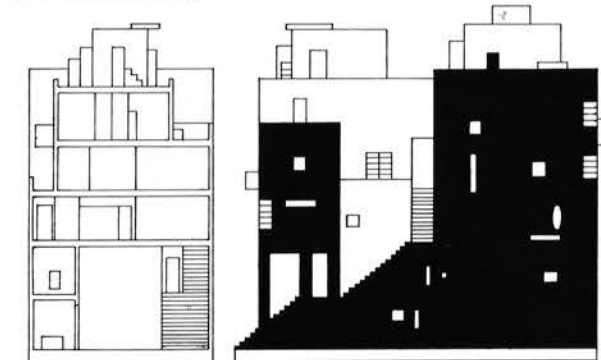
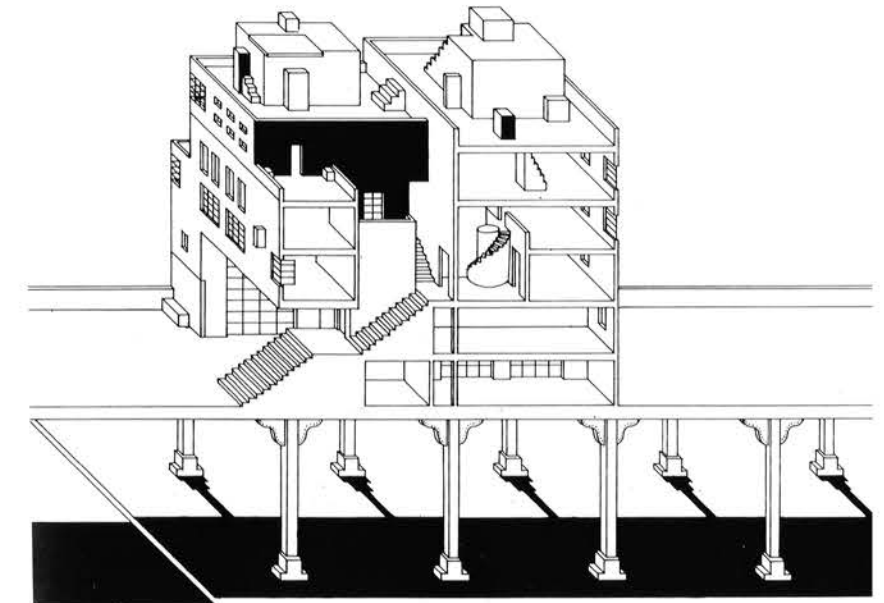
One 1:33 scale model.

#1inhabit plans

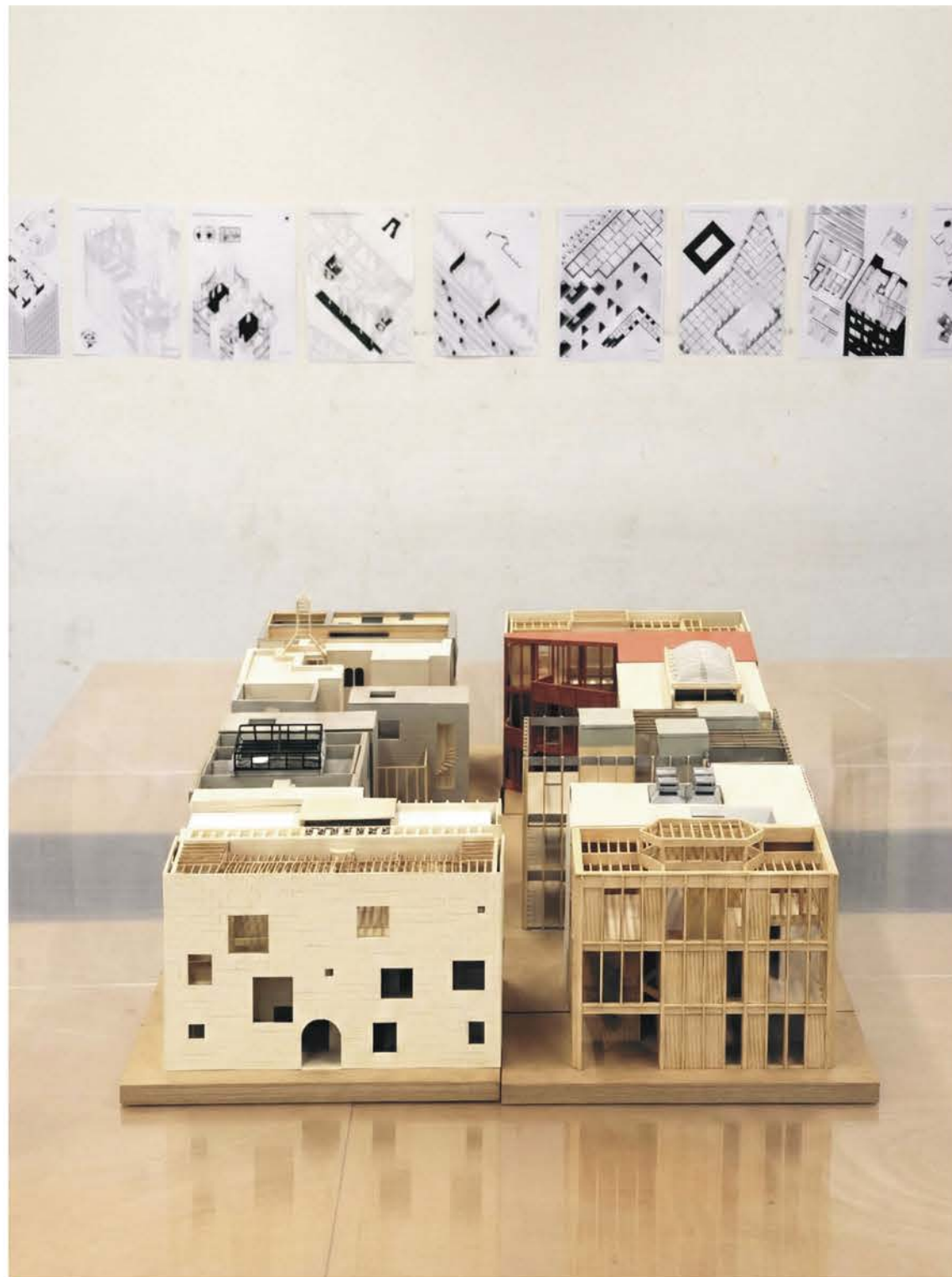
DIN A1

#2 sections elevations

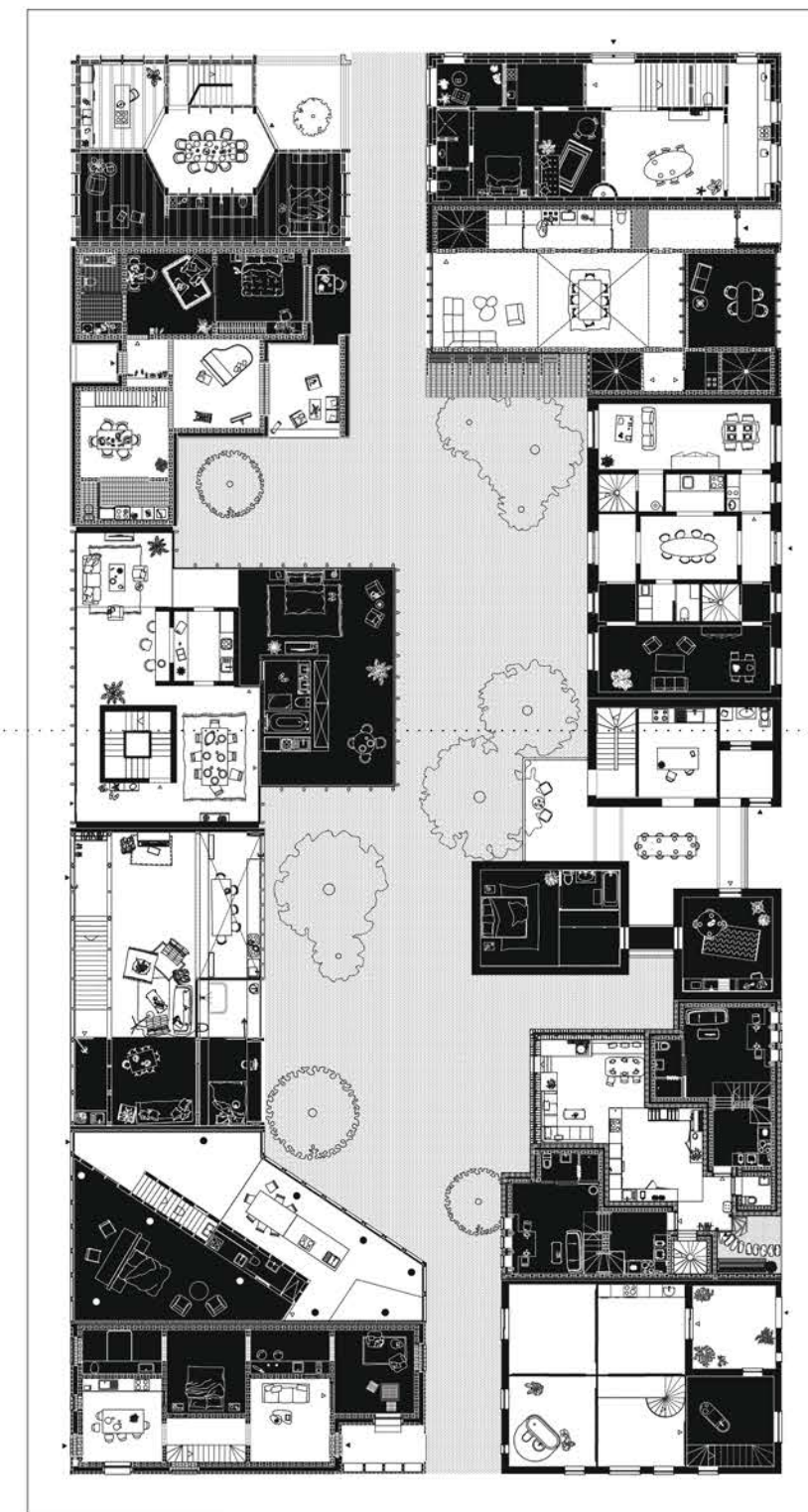
DIN A1



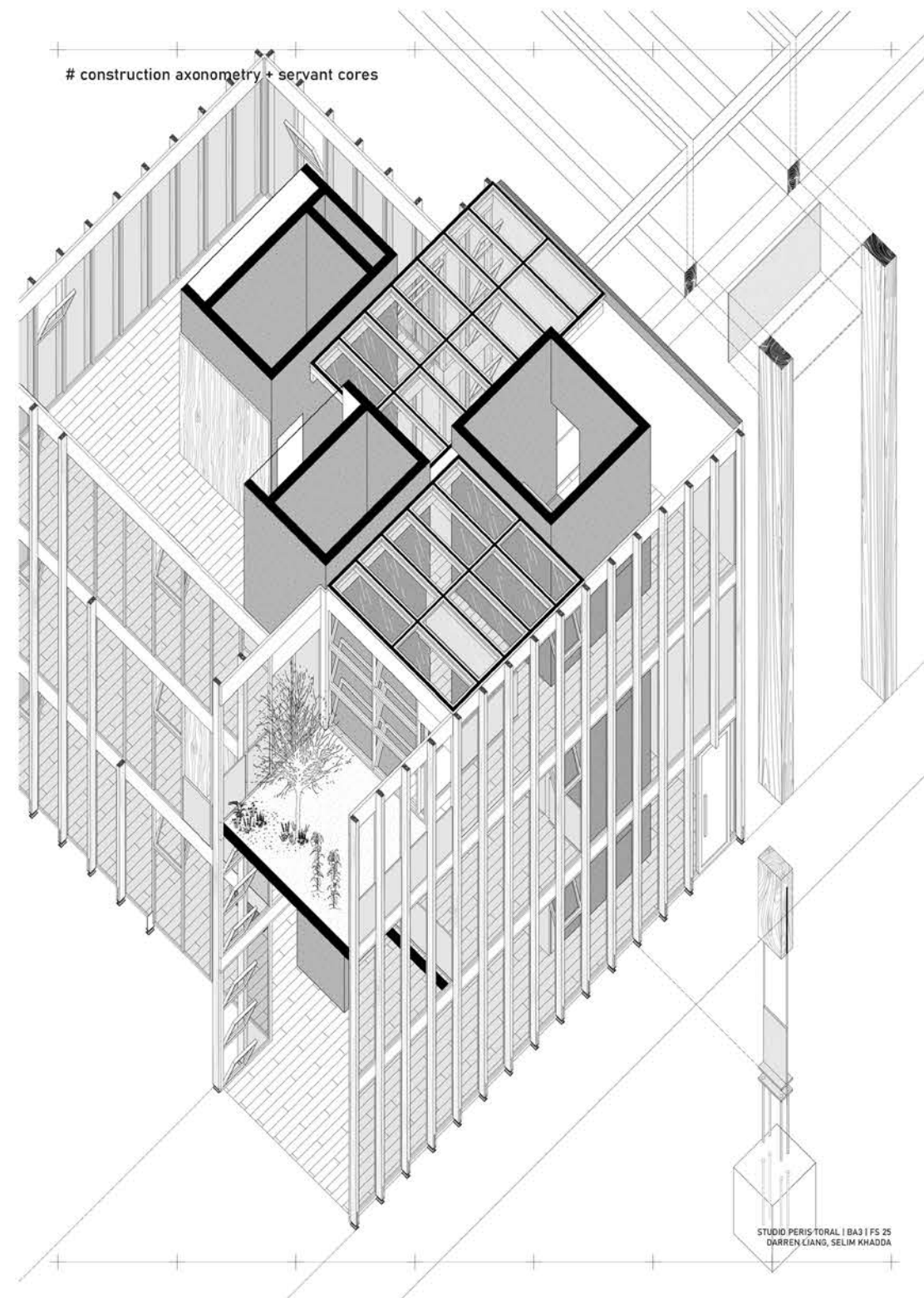
2014 Casa en Sant Cugat (Josep Ferrando)



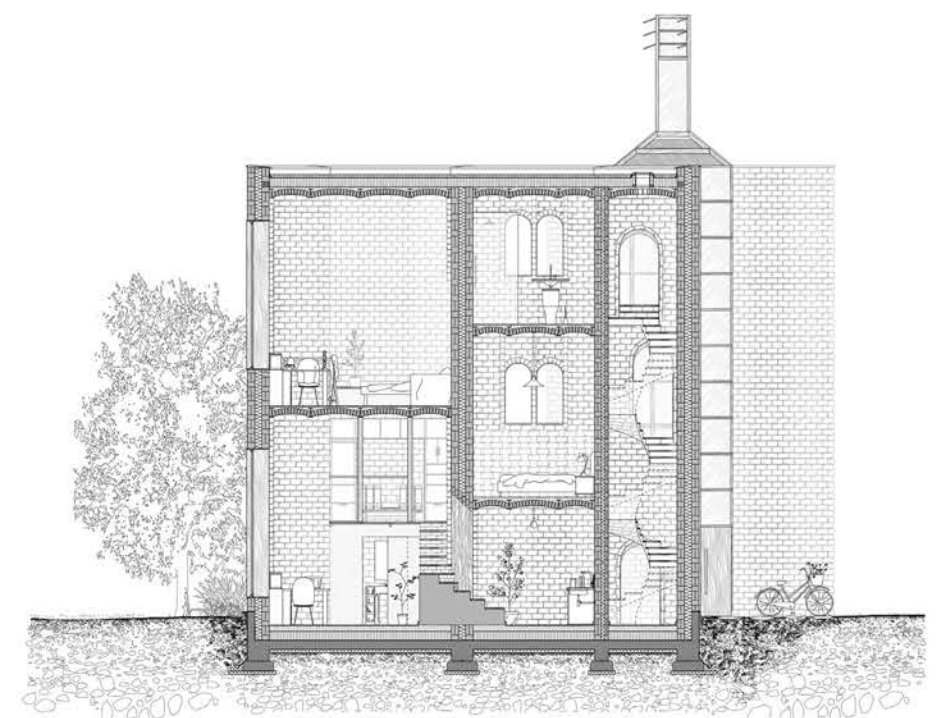
GENERAL MODEL 1/33 EXERCISE II FS25



NOLLI PLAN 1/50 EXERCISE II FS25



SERVANT CORES Selim Khadda-Darren Liang FS25



INTERLOCKING WALLS Maya Band-Timo Volk FS25





EXERCISE III

STAVECO BOLOGNA COLECTIVE HOUSING

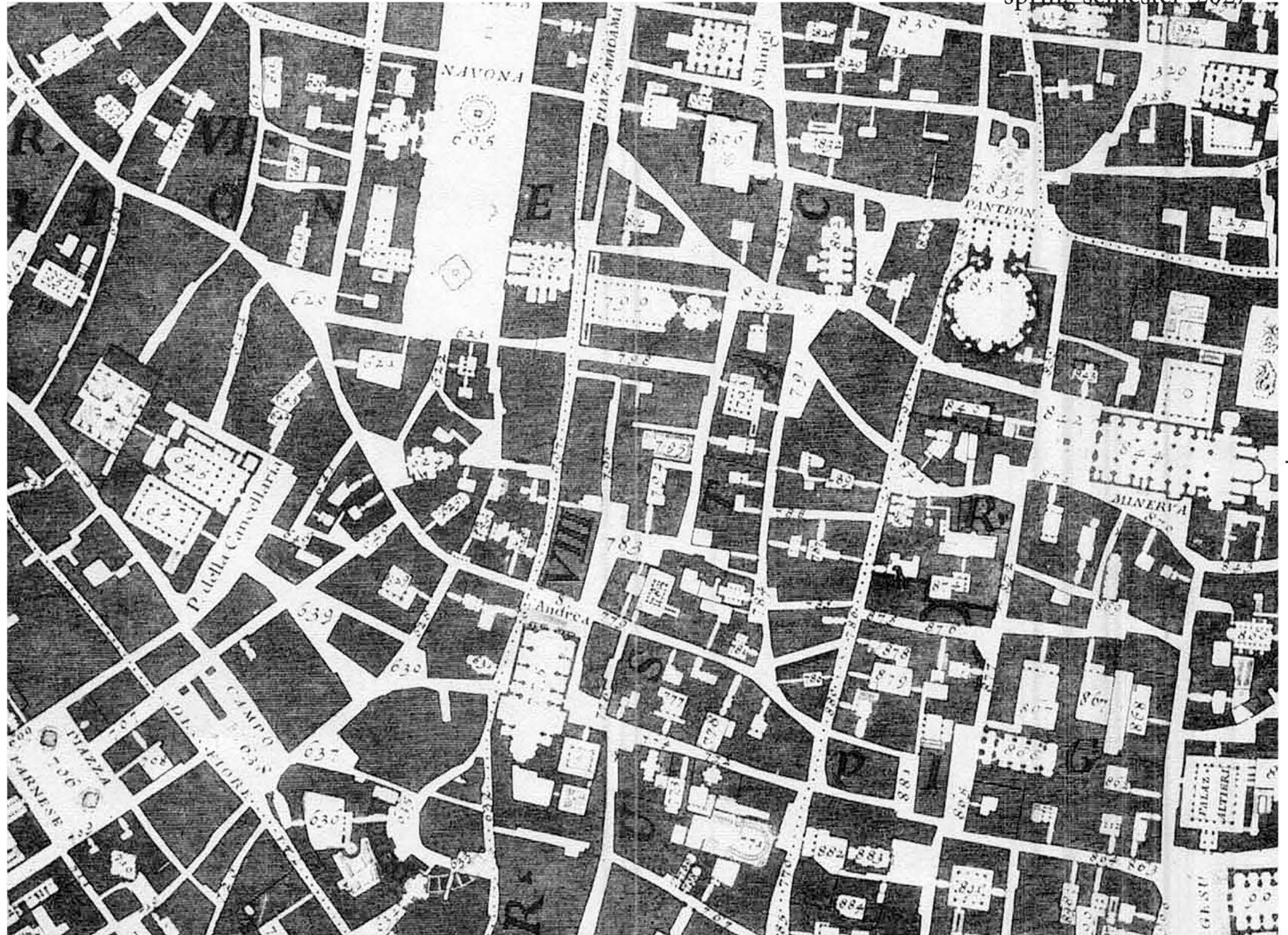
Exercise 3 will be developed in new pairs, as no student may work with the same partner as during Semester I. The semester will begin with a study trip to northern Italy, including Bologna and the former STAVECO military complex. Each pair will be assigned a different plot containing existing buildings to be transformed into cluster housing.

The exercise will explore how new forms of domestic and collective life can inhabit an inherited spatial, structural and material framework. Students will determine what should be preserved, repaired, adapted, removed or added, establishing a conscious dialogue between the existing architecture and the new intervention. The servant- and served-space strategies studied during Semester I will remain operative tools for organising private and shared spaces, circulation, services and storage.

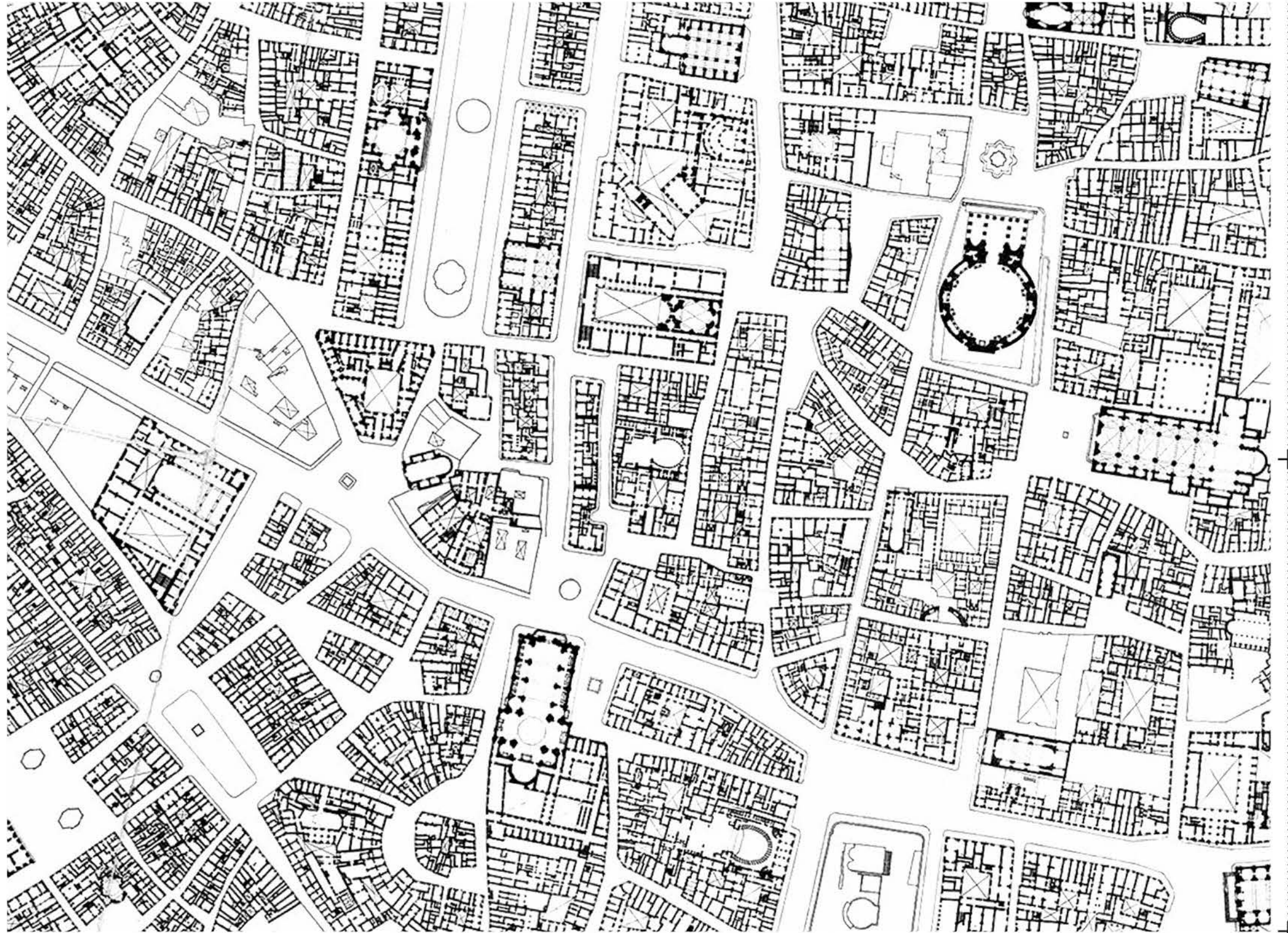
The project will integrate spatial organisation with structural and construction systems. Instrumental lectures on thermodynamics will also introduce climate as an active design parameter, addressing orientation, solar radiation, thermal mass, insulation, ventilation and seasonal occupation.

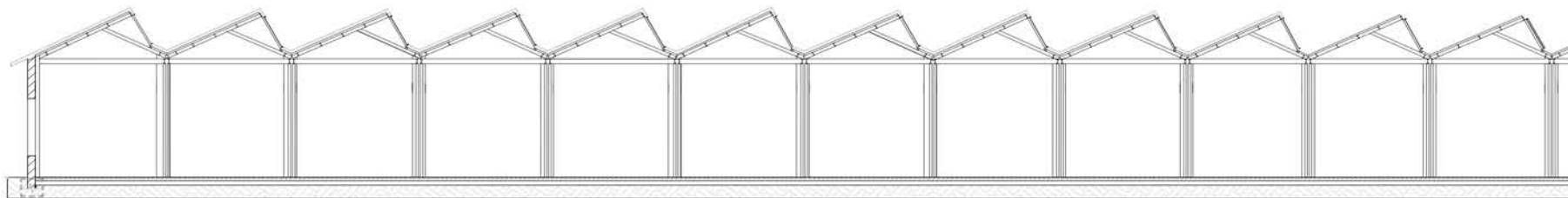
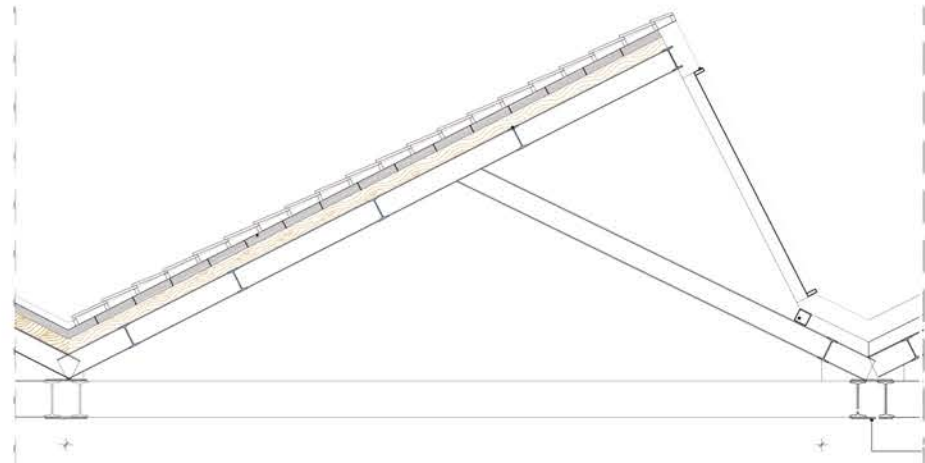
For the final submission, the studio will produce a collective model of STAVECO at 1:150. Each pair will submit at least four vertical A1 sheets: an optional site plan; inhabited floor plans, including a representative fragment at 1:50; elevations and sections incorporating a thermodynamic perspective section; and a construction axonometric drawing. Optional atmospheric drawings or three-dimensional views may also be included. A physical model of each proposal at 1:33 will be required.

Groups of two
A1 vertical sheets
General model 1/150
One model 1/33



1748 Plianta grande di Roma (Giambattista Nolli)

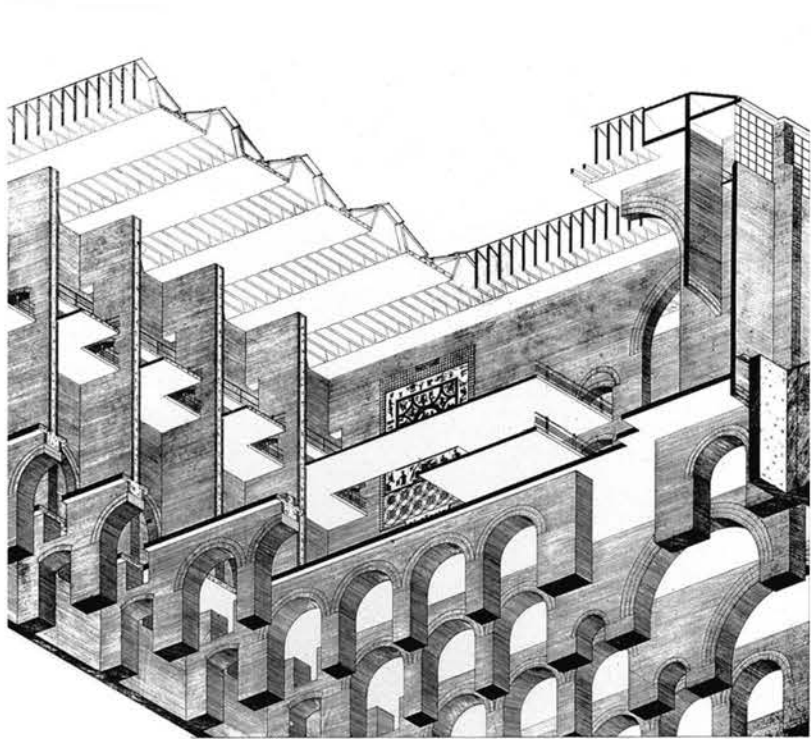




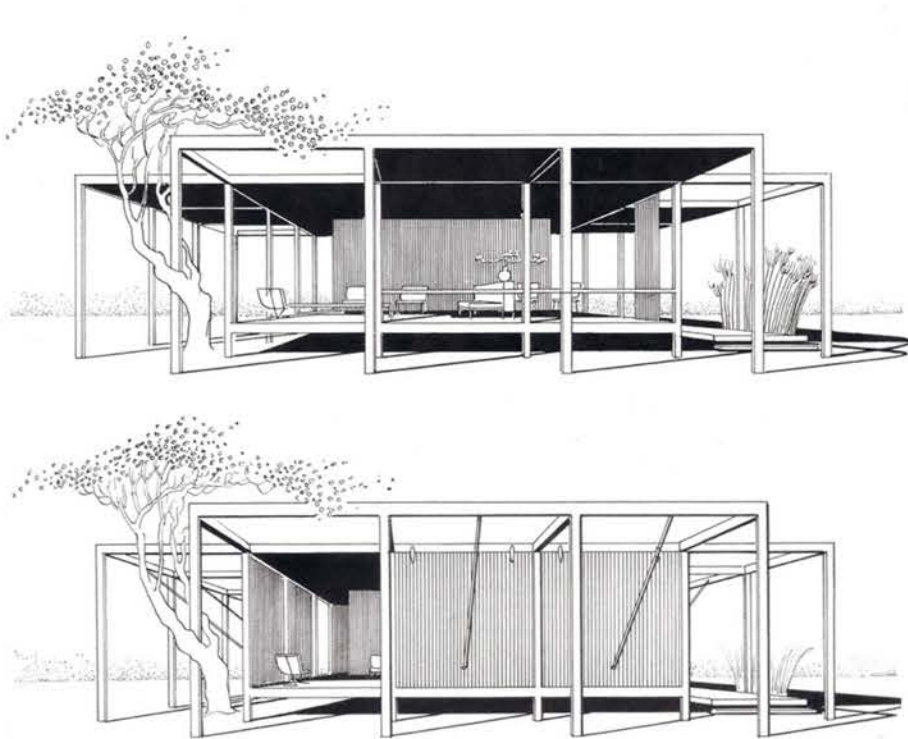
site:STAVECO former factory +



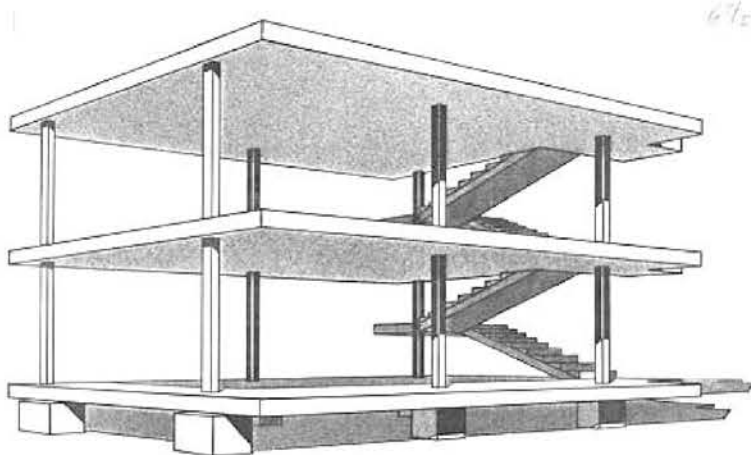
tectonics



walls

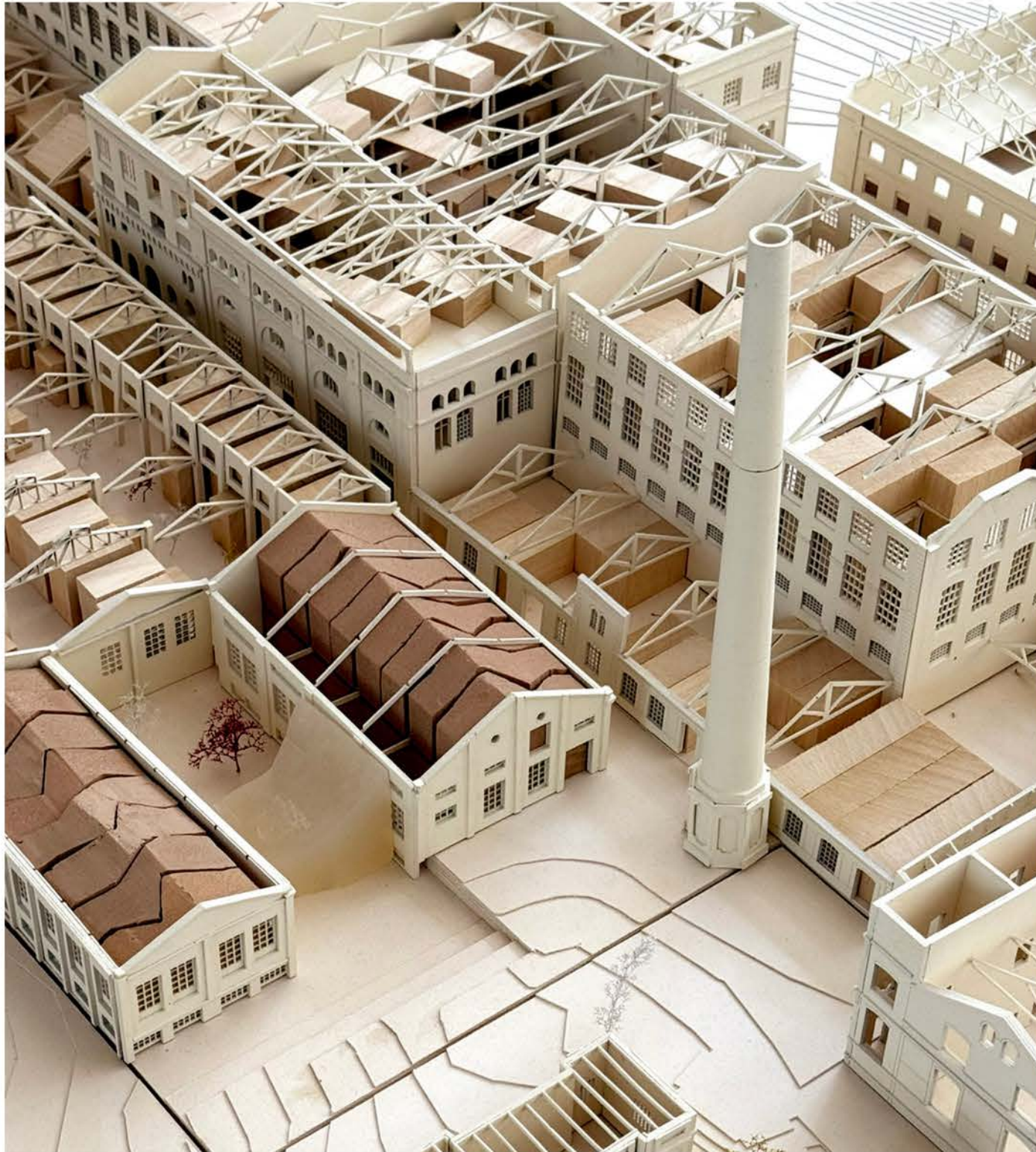


frames



slabs

structural spacial systems



#1 site plan

DIN A1

#2 inhabit plans

DIN A1

#3 sections elevations

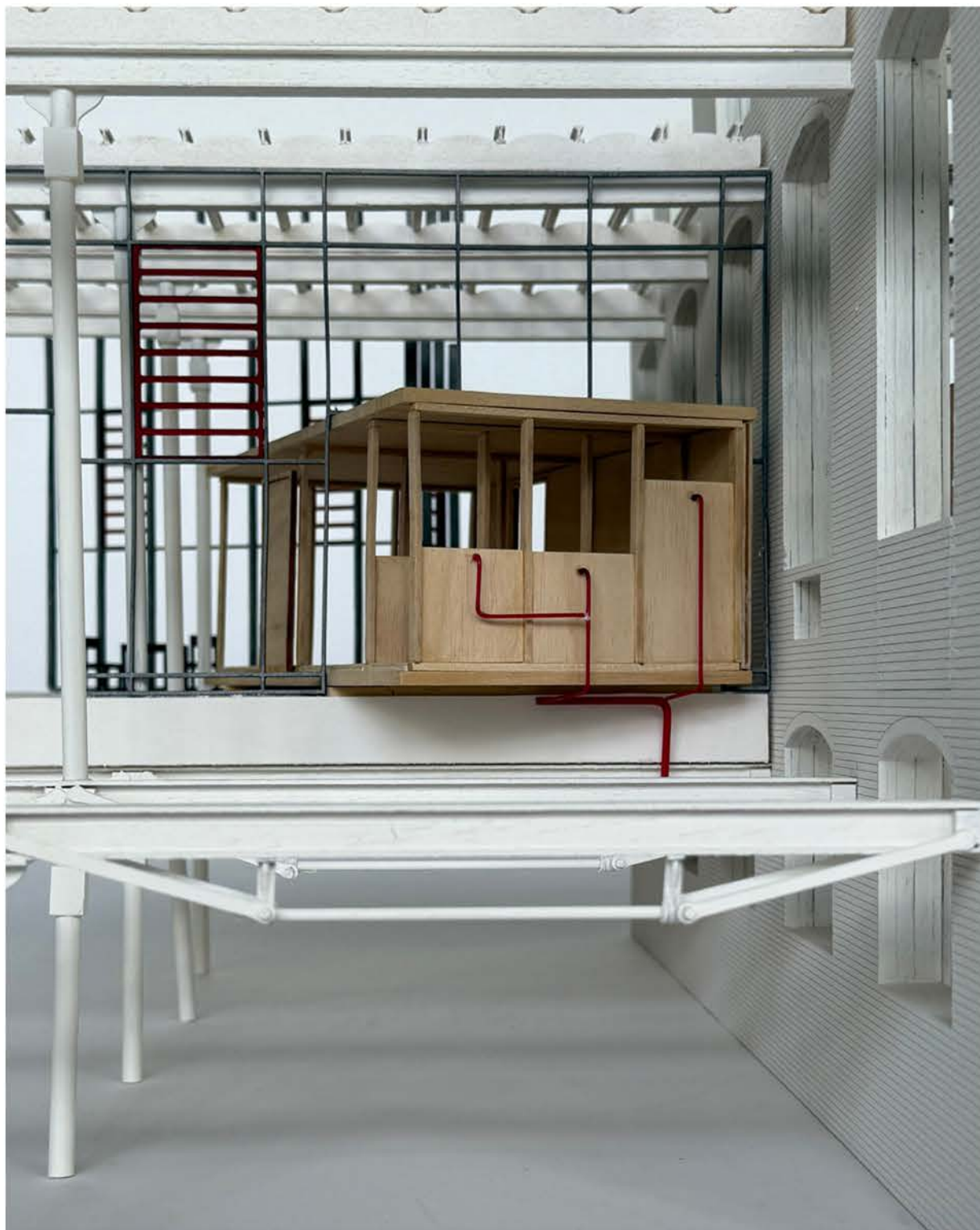
DIN A1

#4 construction

DIN A1

Teamwork
Work in pairs.

Required Materials
A1 vertical sheets.
General model 1/150
One 1:33 scale model.



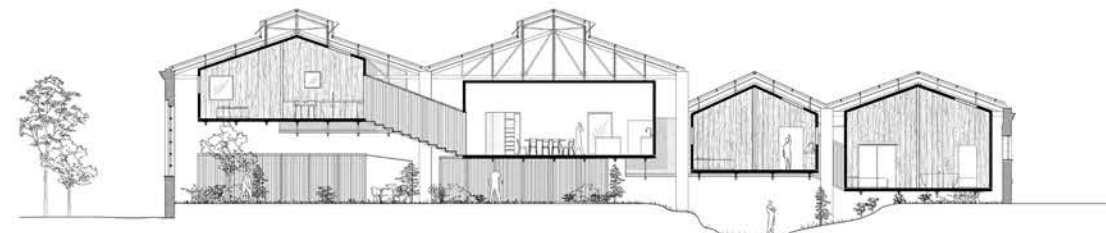
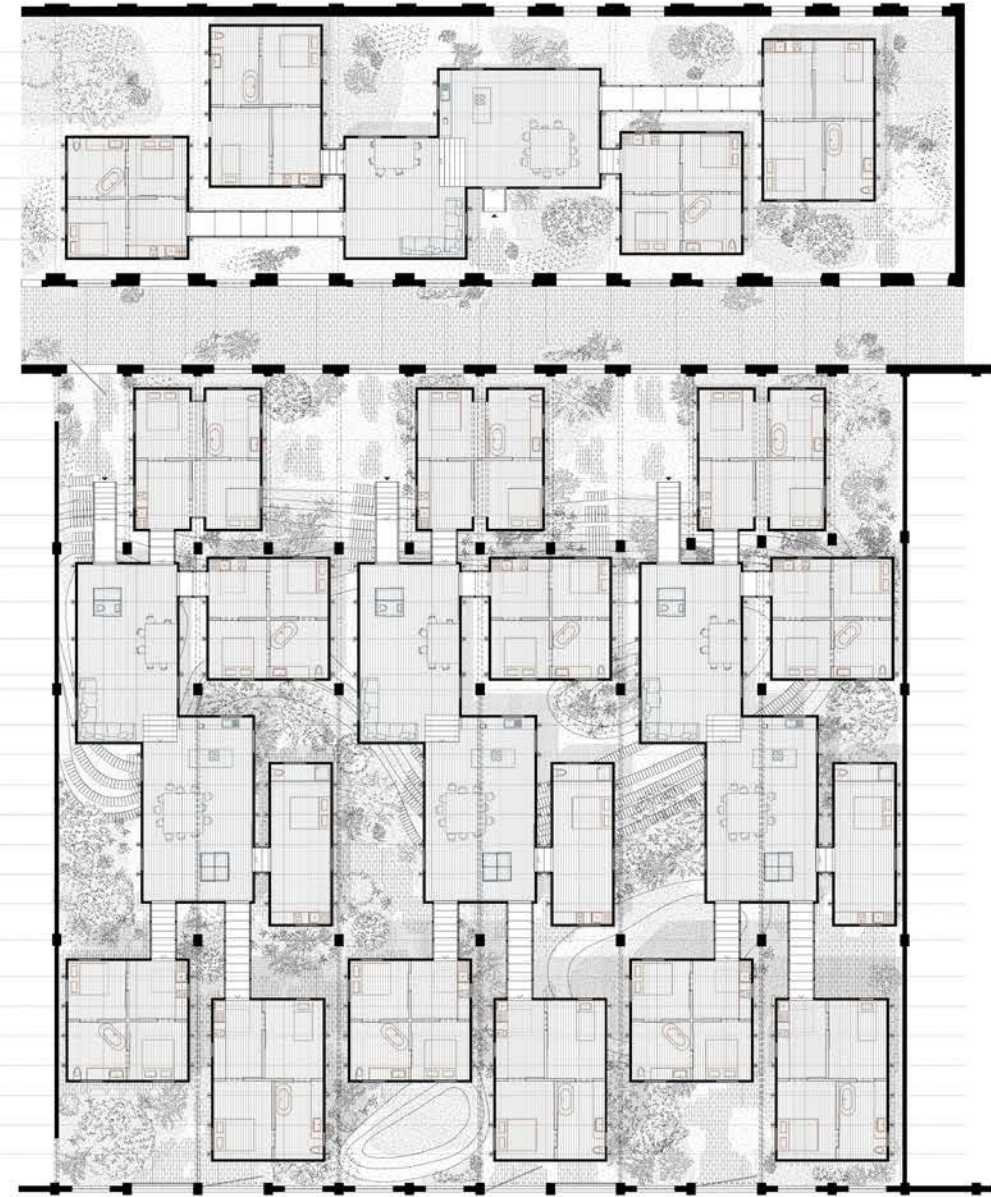
PLOT 09 Timo Volk - Alex Moser 1/33 model SS26



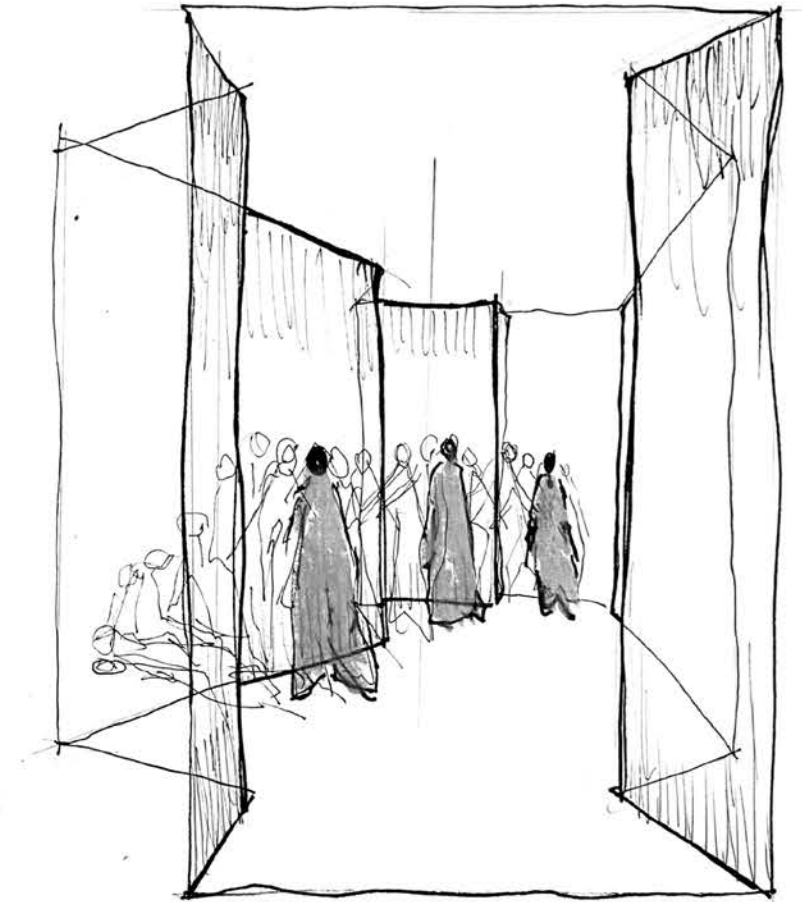
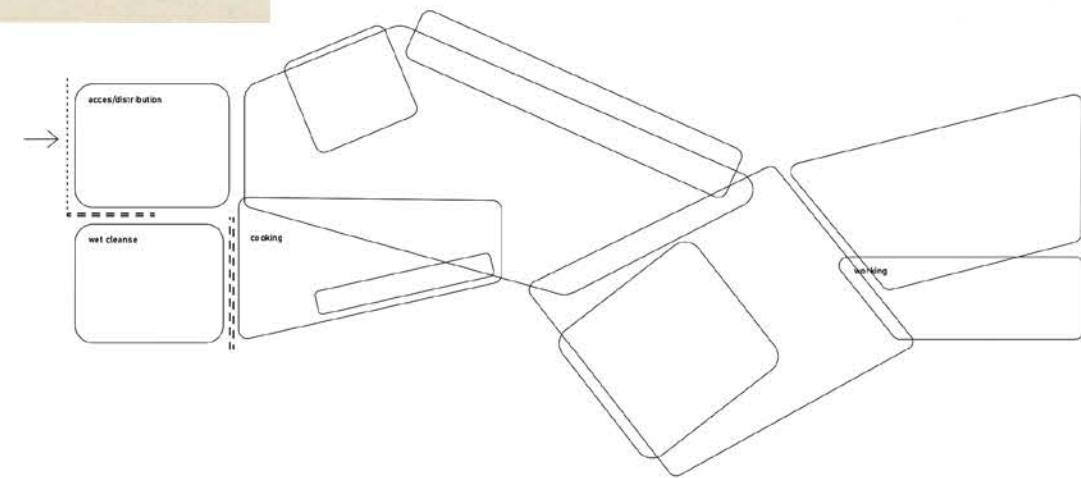
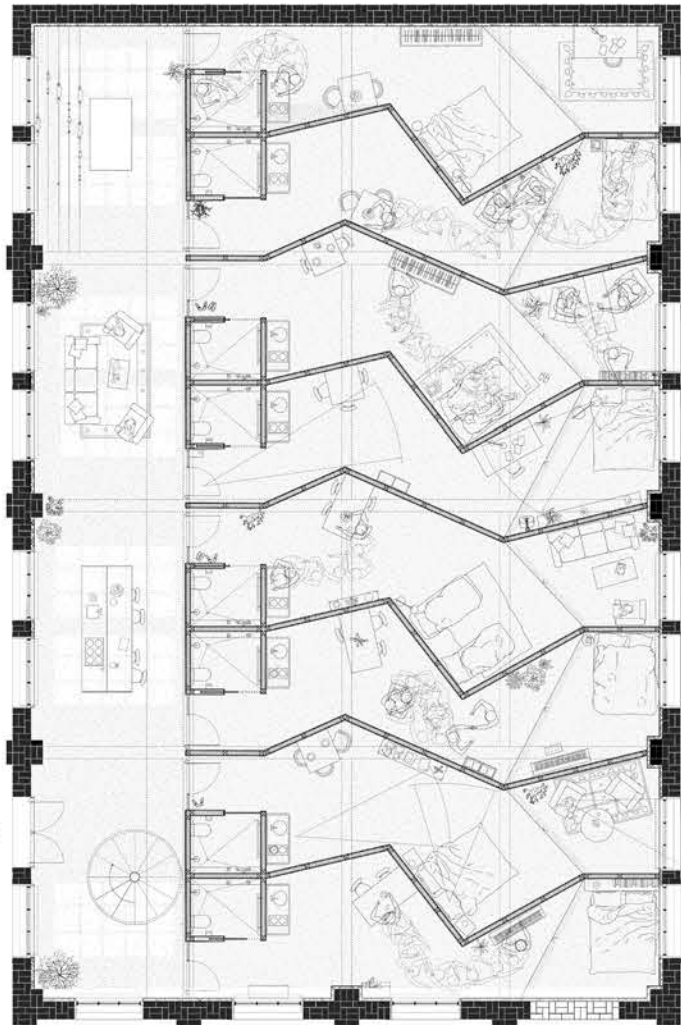
PLOT 09 Timo Volk - Alex Moser 1/50 construction axonometry SS26



PLOT 05 Charlotte Leurent - Matéa Borter 1/33 model - 1/50 Thermodynamics perspective section SS26



PLOT 05 Charlotte Leurent - Matéa Borter 1/50 plan & section SS26



PLOT 07 Sita Henein - Chloé Klopfenstein Model 1/100 Floorplan 1/50 SS26

PLOT 07 Sita Henein - Chloé sketches SS26

assistants

Lara Giorla
lara.giorla@epfl.ch

Quentin Paillat
quentin.paillat@epfl.ch

STUDIO PERIS TORAL
Marta Peris & Jose Toral
BA3-BA4
EPFL ENAC SAR-GE
BP 2133 (Bâtiment BP)
Station 16
CH-1015 Lausanne

fall semester 2026		
week 01	07-08 september	introduction course and exercise I lecture on servant-served space lecture on axonometric drawing
week 02	14-15 september	desk discussions lecture on structural systems
week 03	21-22 september	Basel study trip (19-21 september)
week 04	28-29 september	desk discussions
week 05	05-06 october	study trip workshop MIDTERM REVIEW
week 06	12-13 october	introduction exercise II + lecture on materials desk discussions
break	19-20 october	holidays
week 07	26-27 october	lecture on cohousing desk discussions
week 08	02-03 november	desk discussions
week 09	09-10 november	desk discussions
week 10	16-17 november	desk discussions
week 11	23-24 november	desk discussions
week 12	30 november-01 december	desk discussions
week 13	07-08 december	charrette
week 14	14-18 december	FINAL REVIEW

calendar