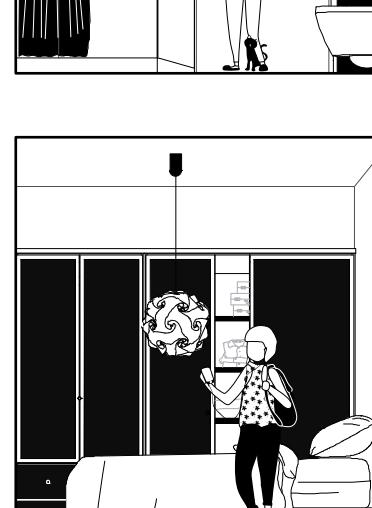


MANIFESTO

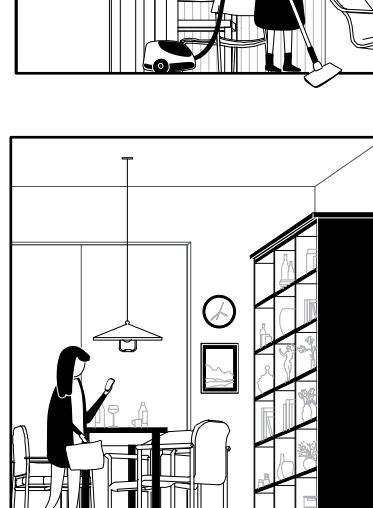
Politecnico di Milano - Scuola AUIC
Architecture-Building Environment-Interiors
A.Y. 2019/2020



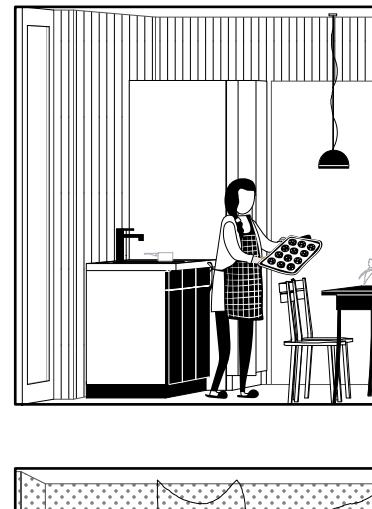
Z



E



R



T



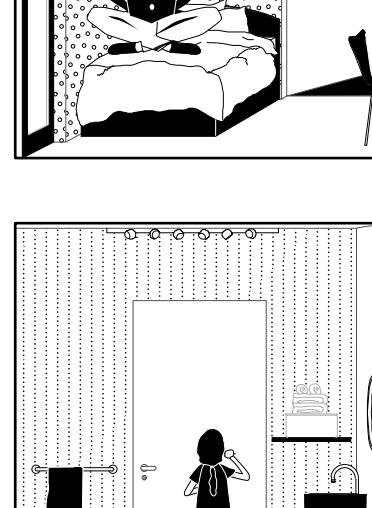
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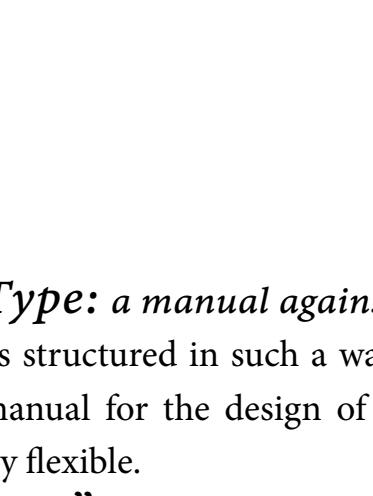
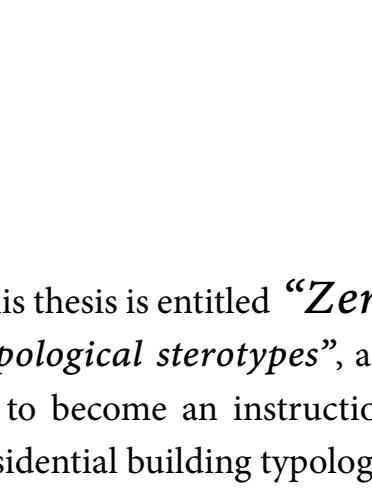
P



E



A MANUAL AGAINST TYPOLOGICAL STEREOTYPES



Supervisor:
Gennaro Postiglione
Co - Supervisor:
Barbara Brollo

Students:
Morena Amendolagine
Michela Stamin

This thesis is entitled "**Zero Type: a manual against typological stereotypes**", and is structured in such a way as to become an instruction manual for the design of a residential building typologically flexible. The basic idea is to look for a "**zero**" type, a model which can be followed in the design process in the respect to the needs of users.

The research work that accompanies this thesis is based on the identification of solutions capable of responding to the new housing demands.

We intend to investigate the theme of **spatial flexibility** from a typological point of view, drawing on the experience of nineteenth Century historical building to suggest solutions capable of withstanding over time.

In the first part of this thesis we explore the notion of **flexibility**, which is reflected in the multiplicity of strategies and solutions found in modern and contemporary buildings.

"**Haussmann's modèle de ville**" through research on Haussmanian Parisian buildings.

The thesis develops the theme of typological flexibility through the following points: the **volume** of the space; **neutrality** of the plan and the facade; **polyvalence** of the living space; **modularity** and **distributive characters** to allow different aggregations of residential nuclei; the **uniformity** of the design arrangements.

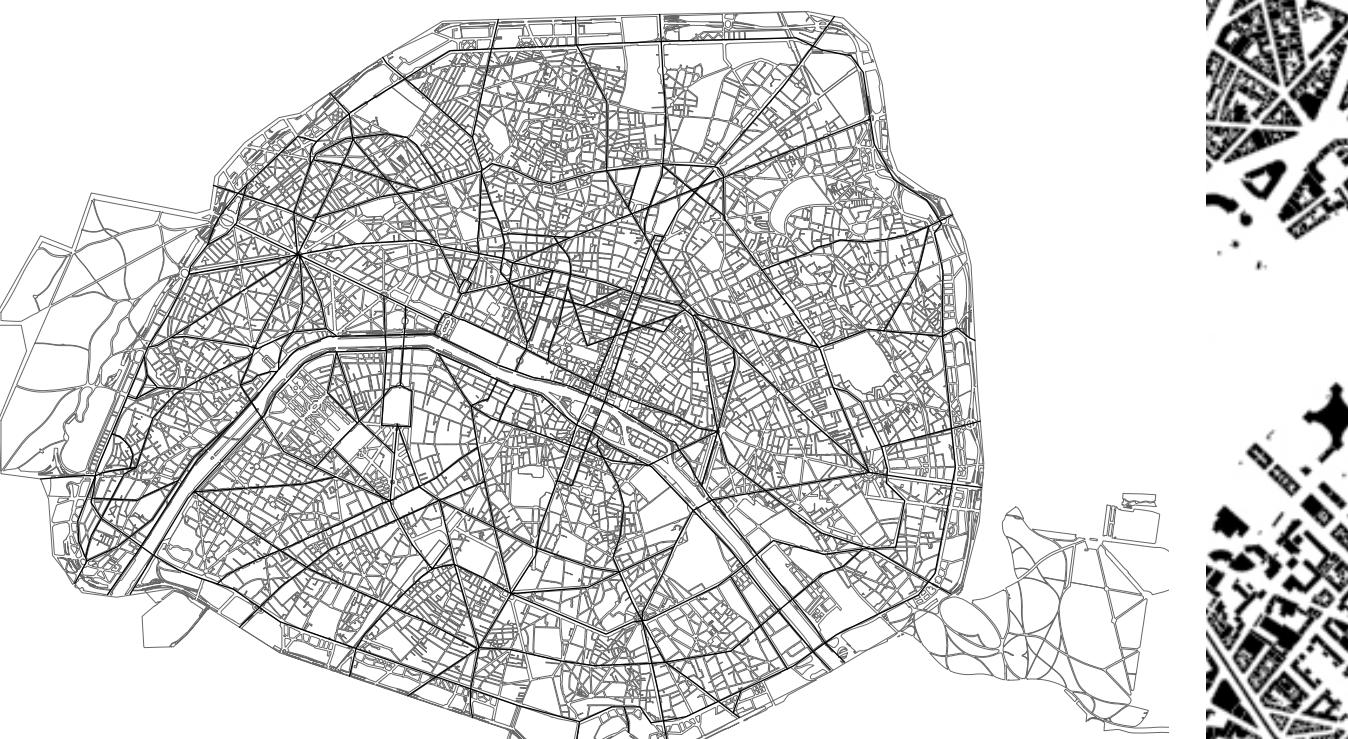
The last part of the thesis is the "putting into practice" of all the theoretical issues that compose this manual in order to realize a project typologically flexible. The site is in the intersection of Viale Tunisia and Via Lecco, in the Lazzaretto district (Milan).

The project that we propose wants to try to give qualified answer to the demand for differentiated housing, compared to the atrophy of the offer present today on the real estate markets. Today we assist to a housing offer which continues to reaffirm the functionalist paradigms of the Modern Movement in residential construction, seeking to recover the adaptive and resilient typology typical of nineteenth Century residential construction.

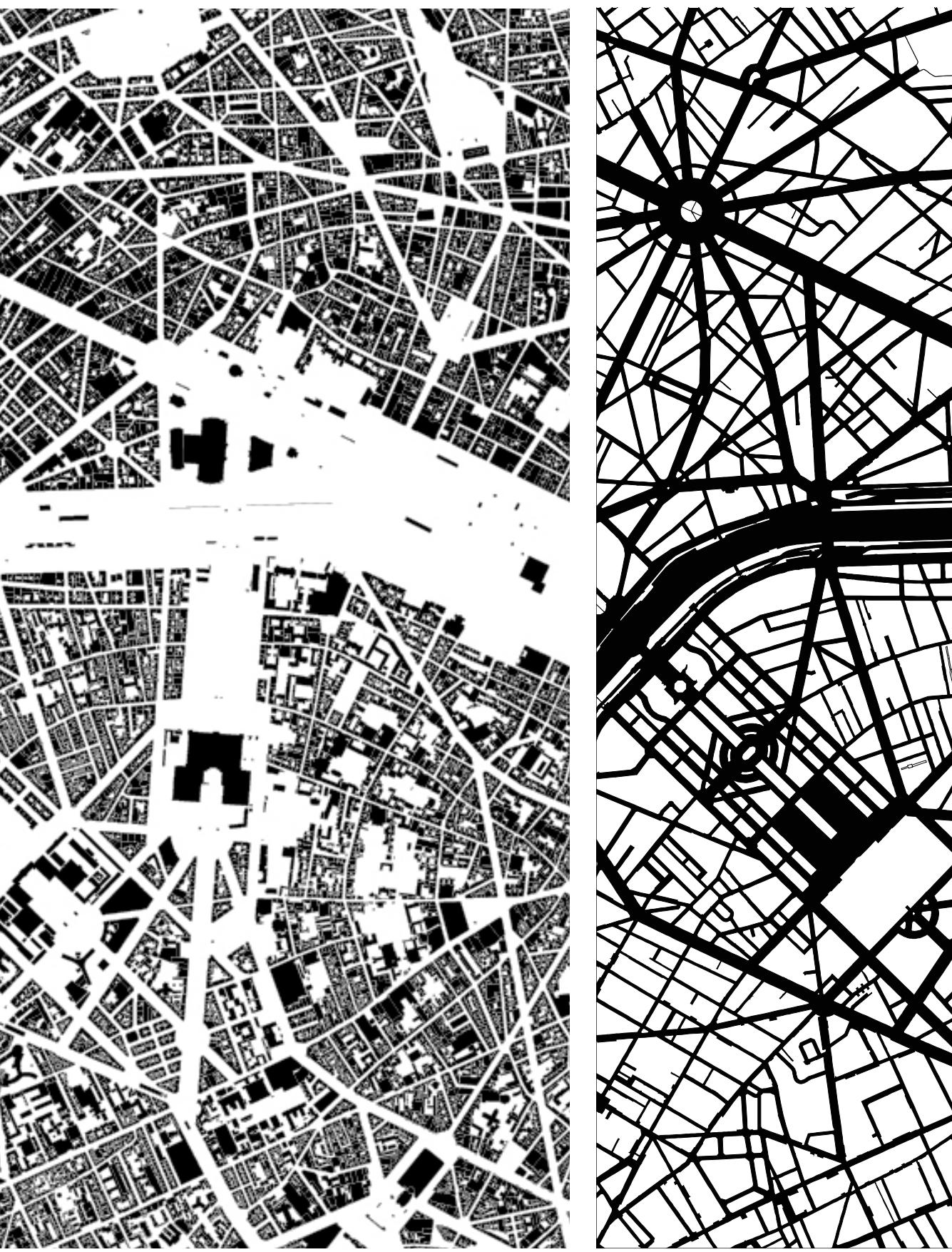
ANALYSIS

Plan Haussmann

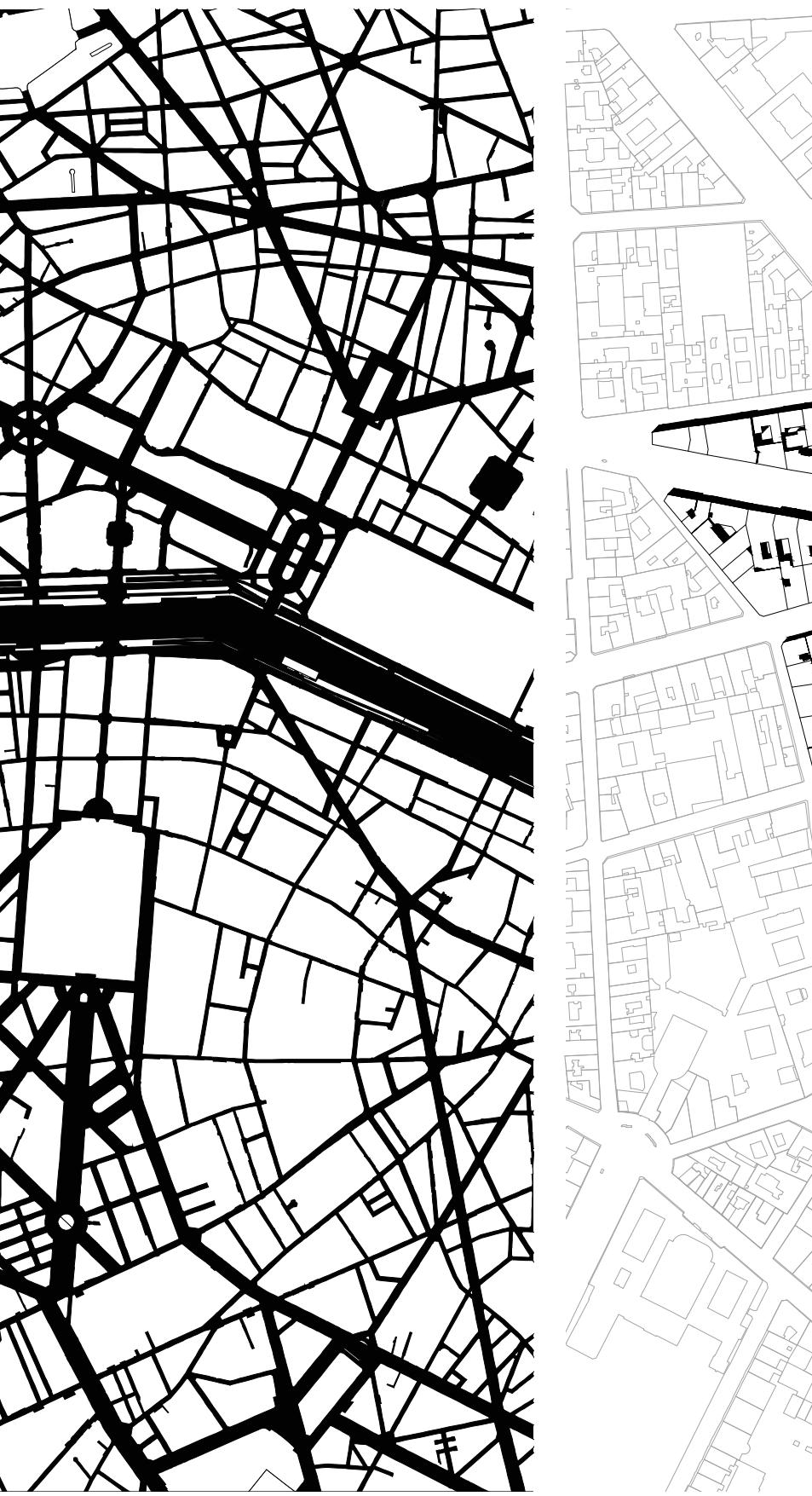
Paris, France, 1853



0 4000 m



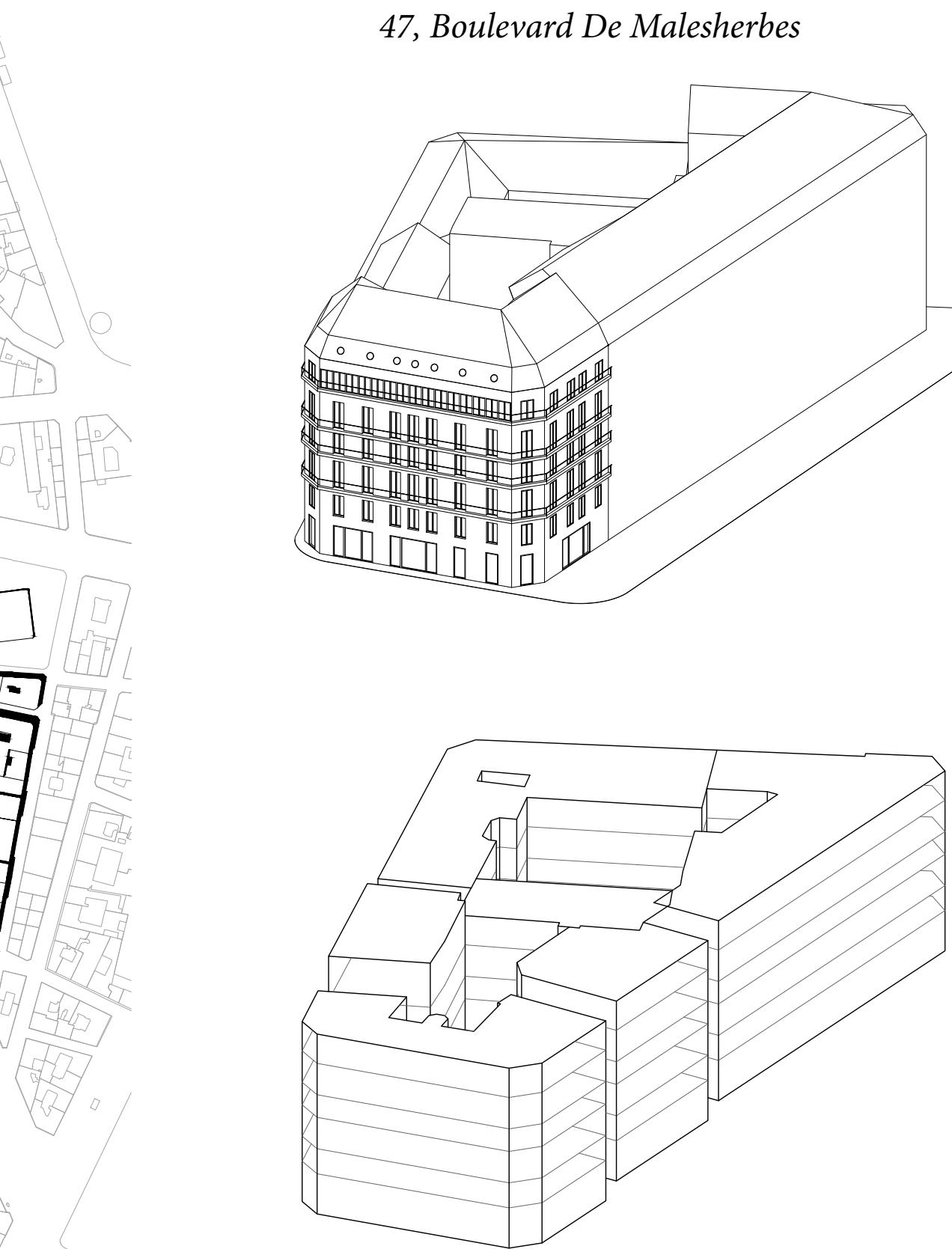
0 1000 m



0 1000 m



0 400 m



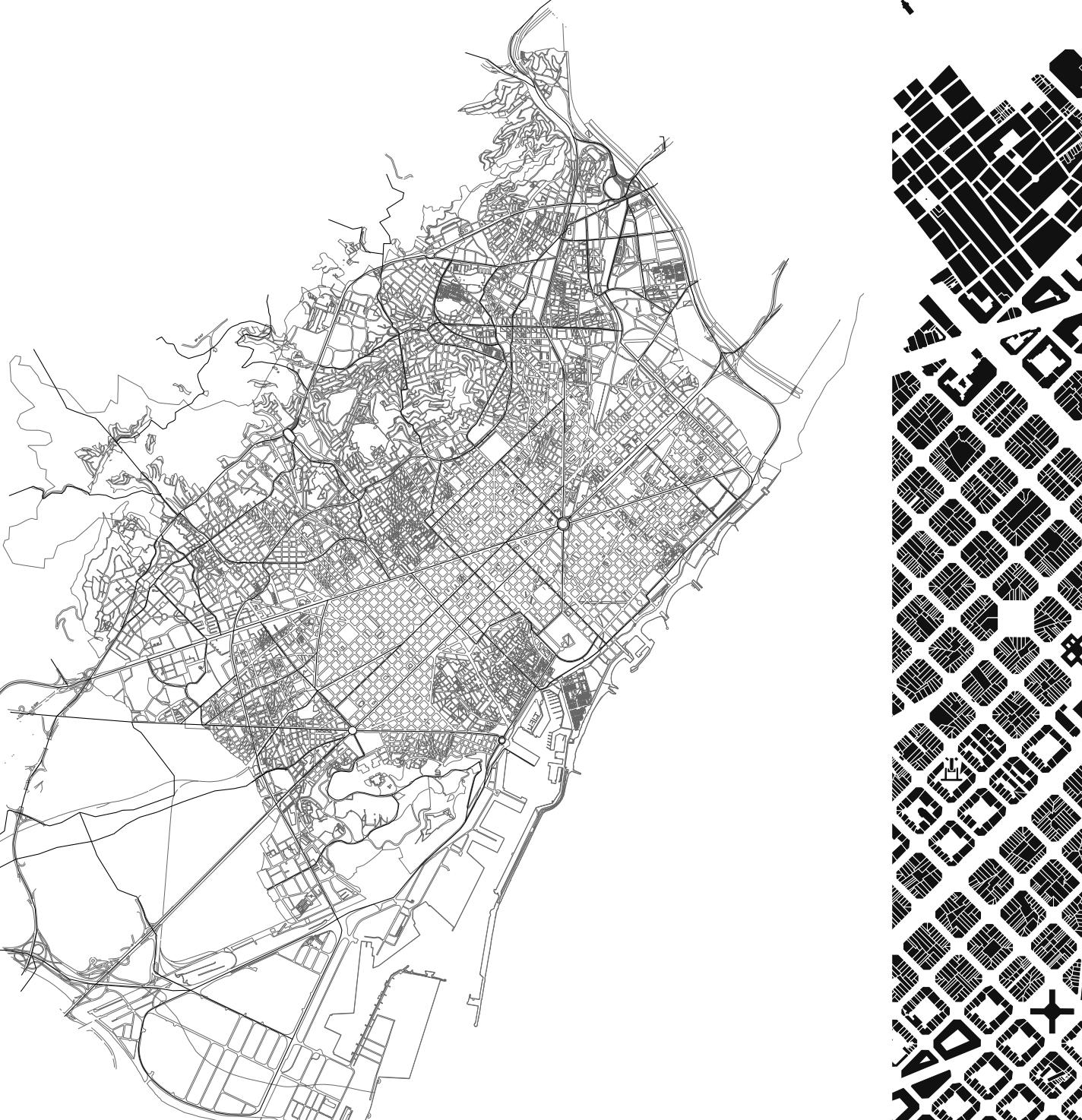
47, Boulevard De Malesherbes

0 20 m ZERO TYPE

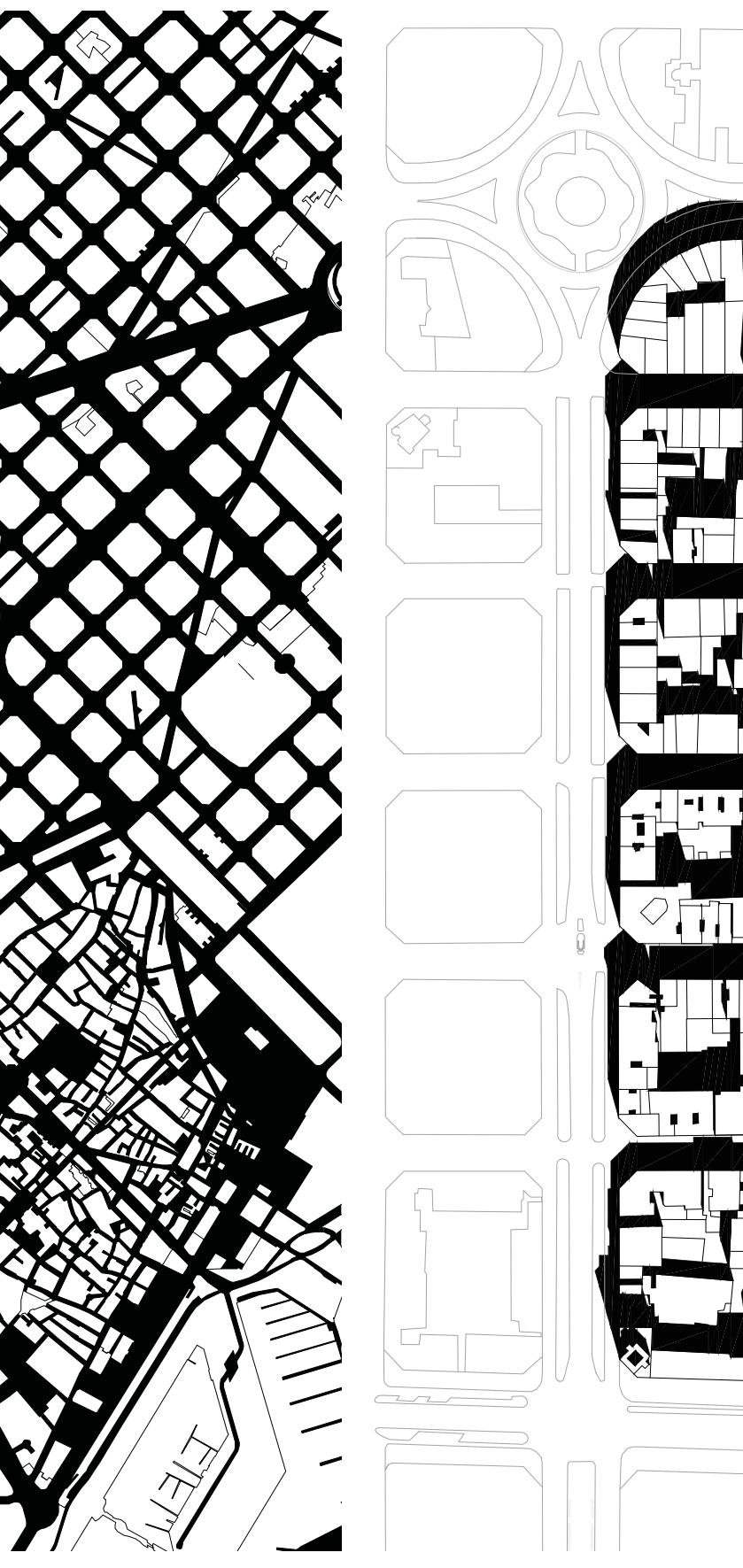
ANALYSIS

Plan Cerdà

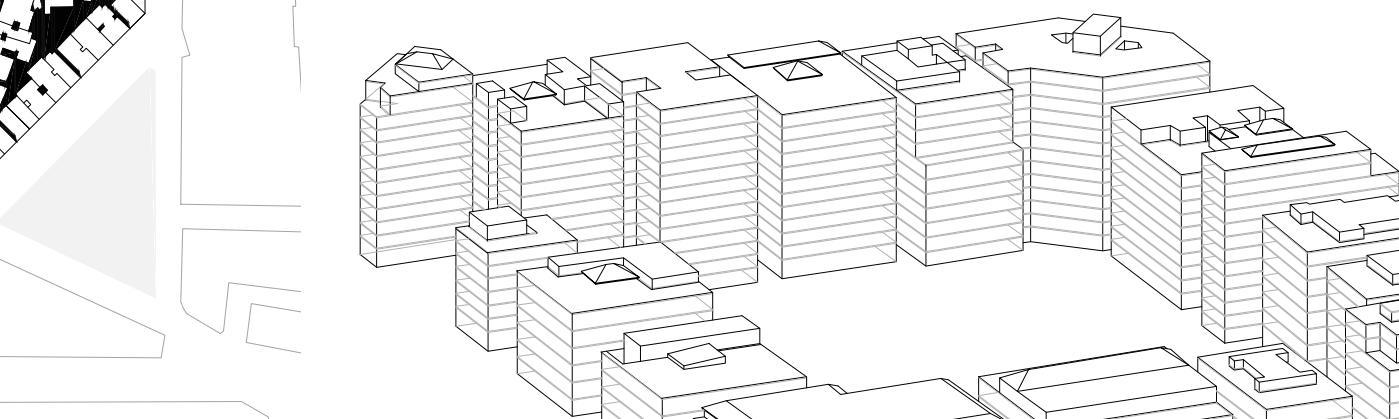
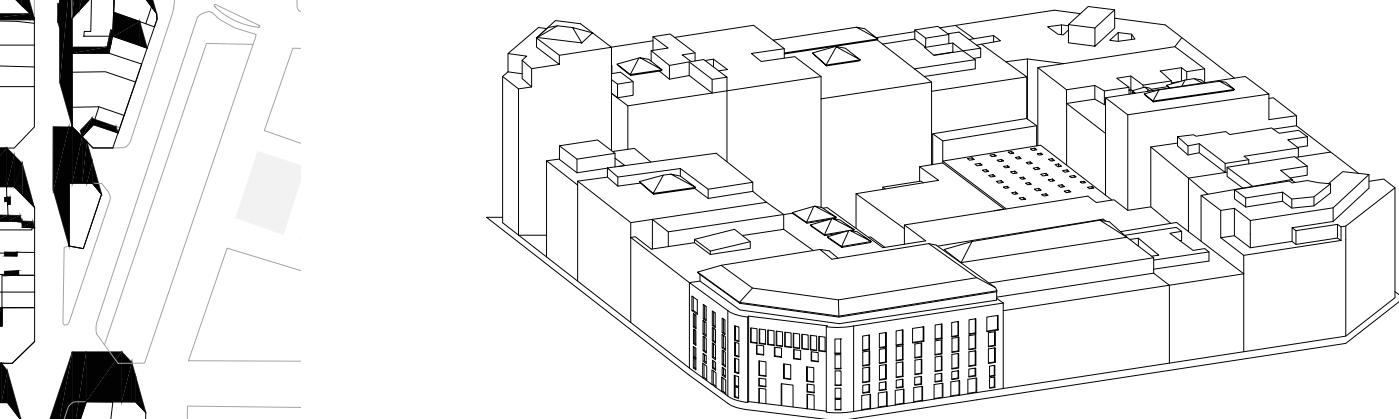
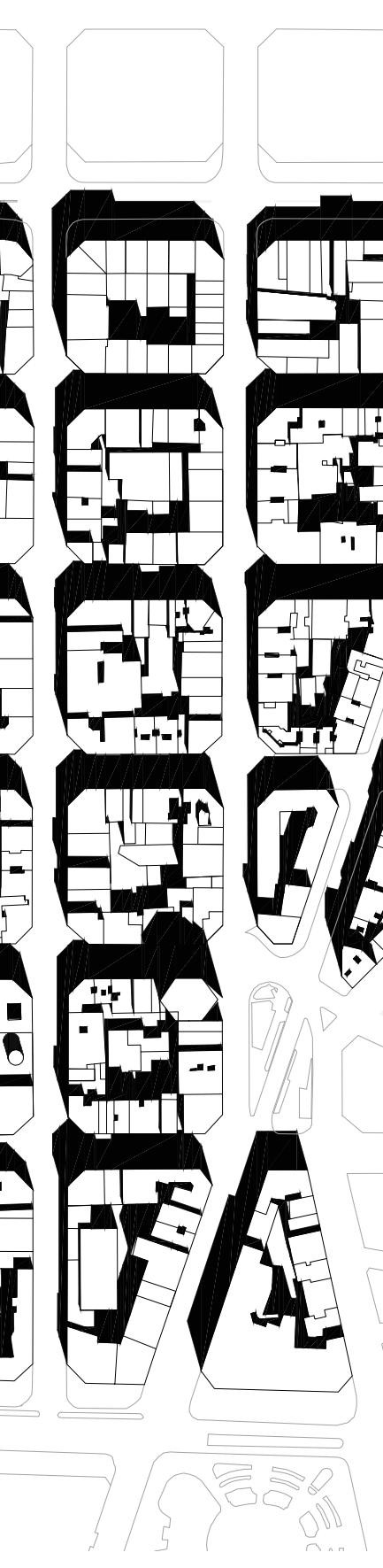
Barcelona, Spain, 1860



0 4000 m



$\odot \quad \overline{\theta}$



33, Cas d1

ANALYSIS

Piano Beruto

Milan, Italy, 1884



0 4000 m



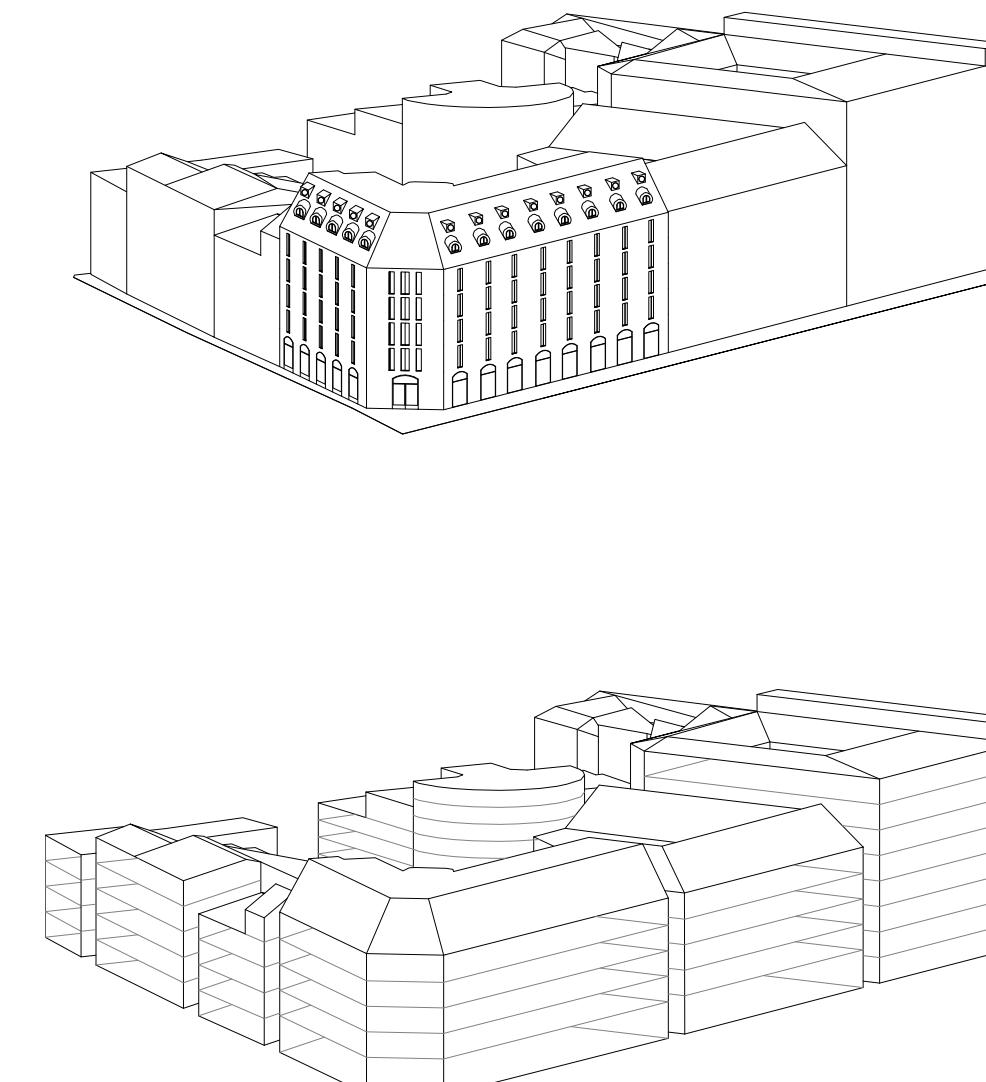
0 1000 m



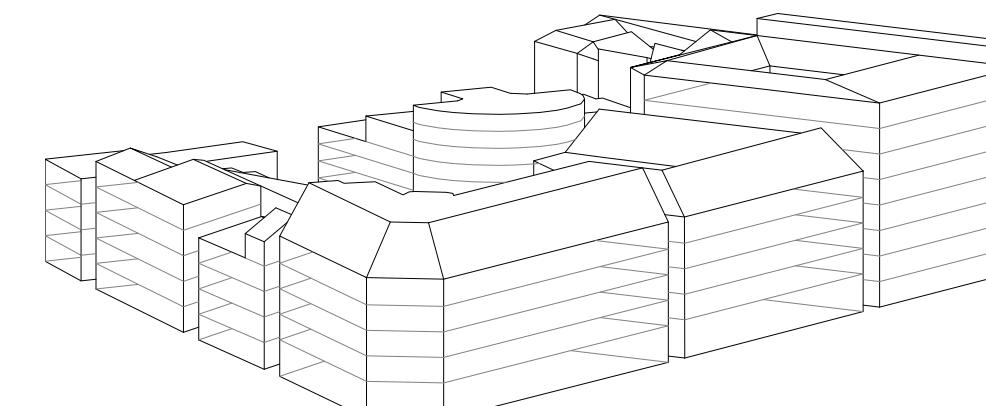
0 1000 m



0 400 m



5, Via Dante



0 40 m ZERO TYPE

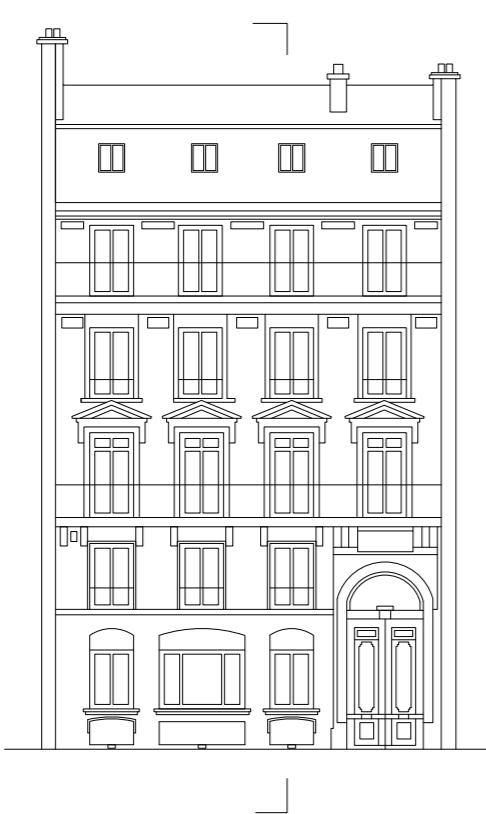
MAPPING CHARACTERISTICS

11, Boulevard de Sébastopol

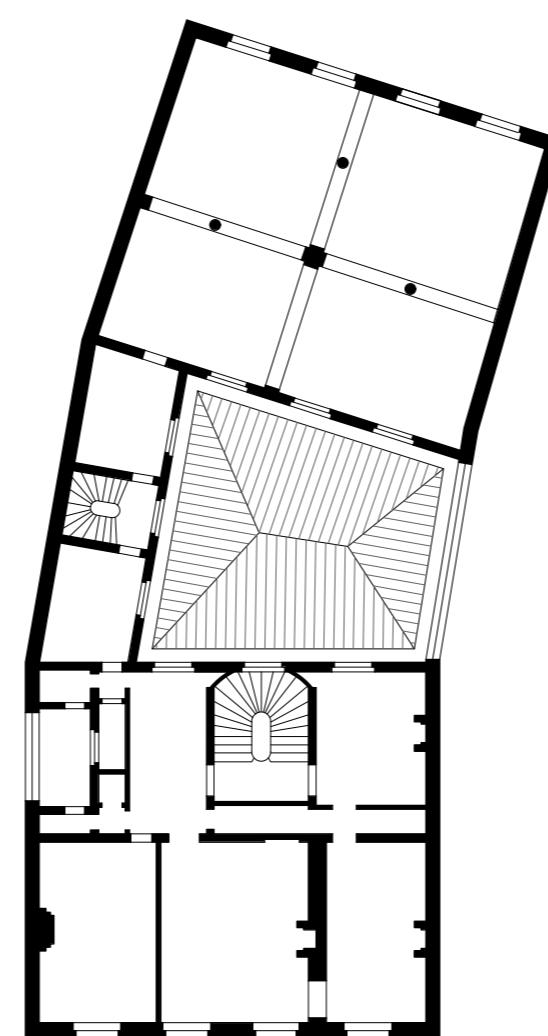
Paris, France, 1860

Architect : Blondel

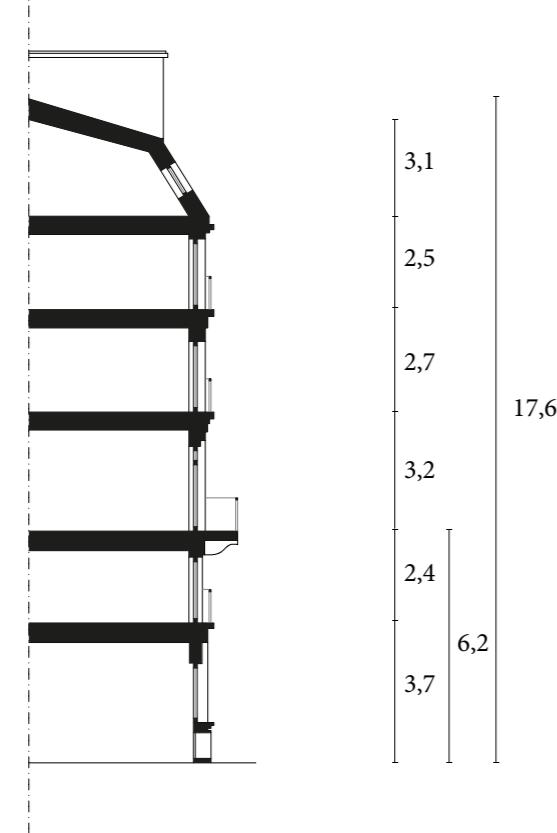
0 10 m



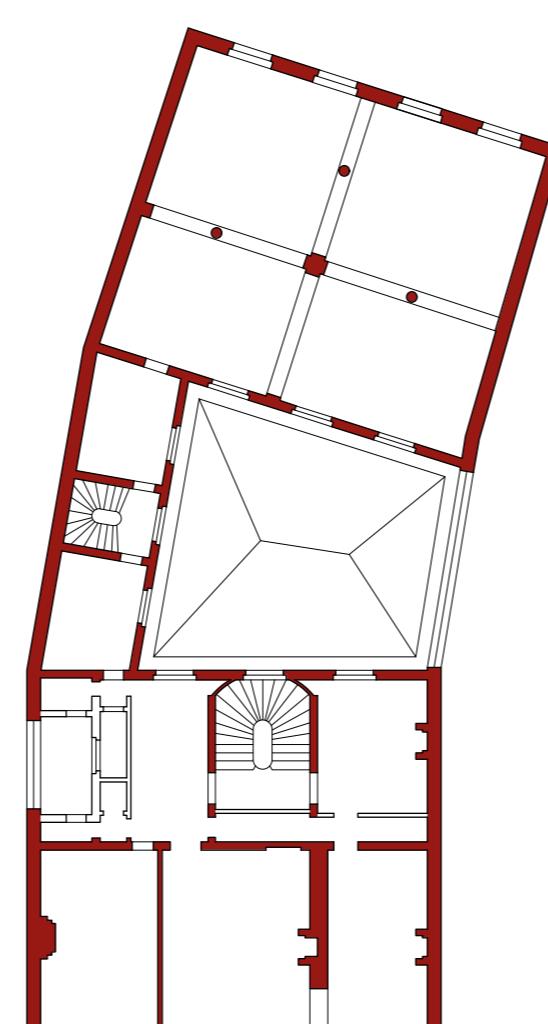
Elevation



Typical residential floor plan



Height difference

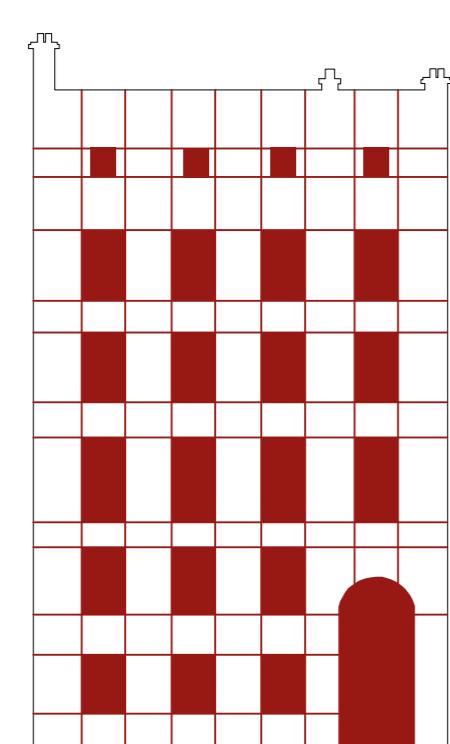


Structural clarity

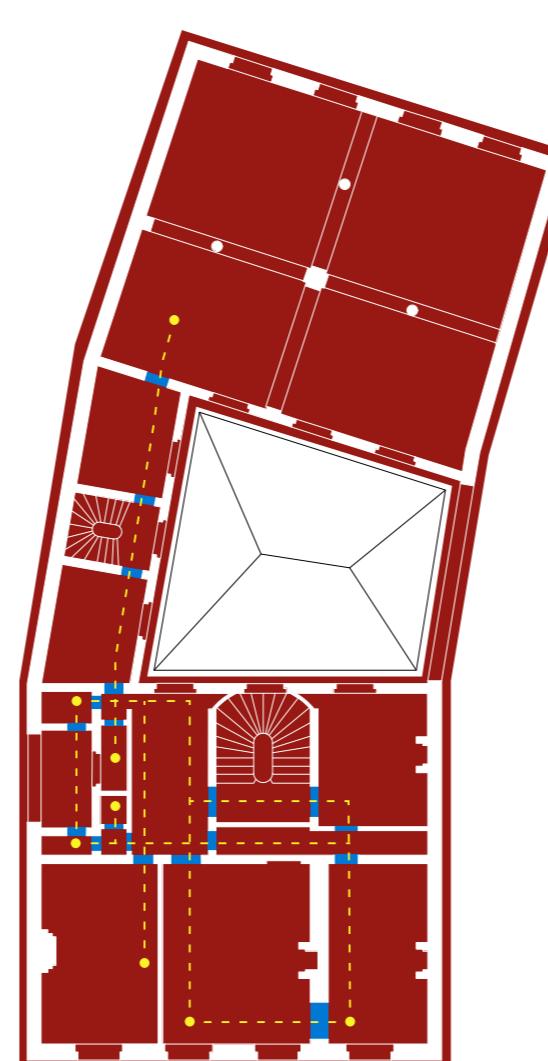


0 25 m
Block vertical porosity

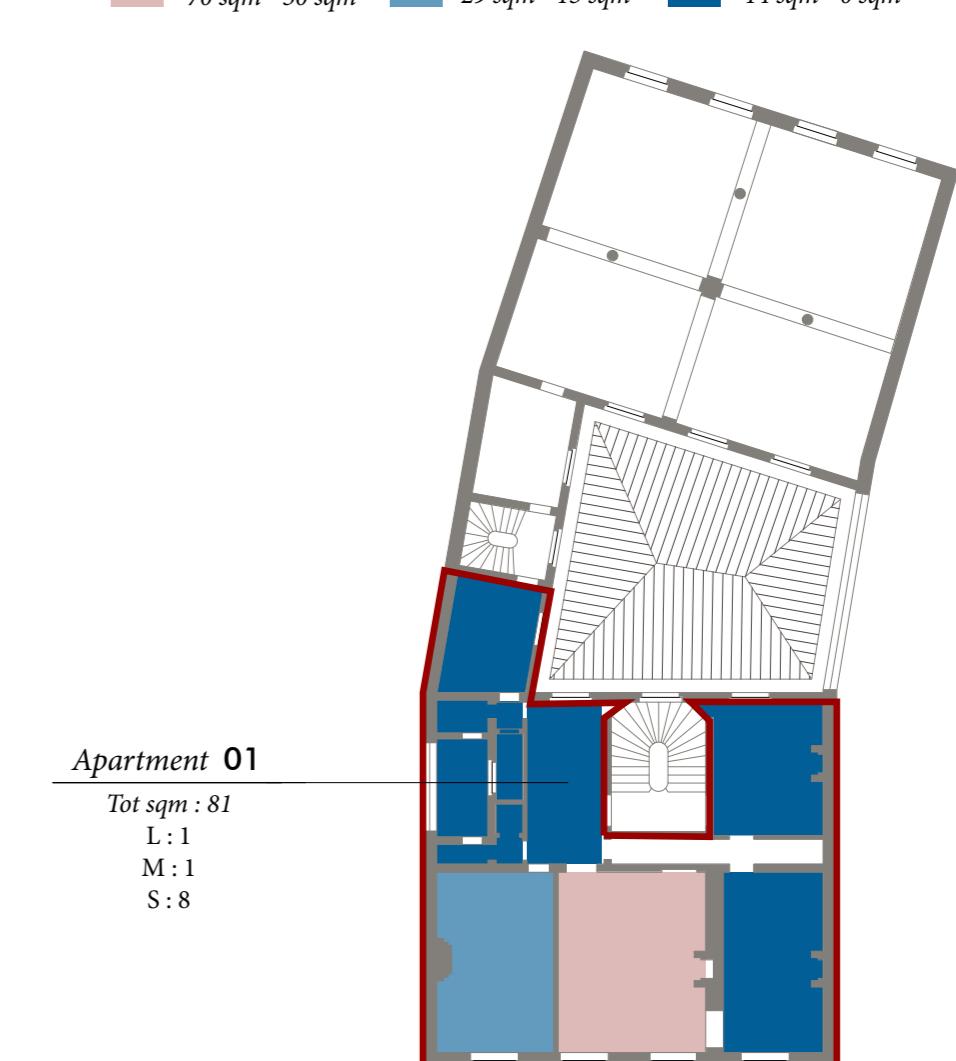
LARGE 70 sqm - 30 sqm MEDIUM 29 sqm - 15 sqm SMALL 14 sqm - 0 sqm



Facade grid regularity



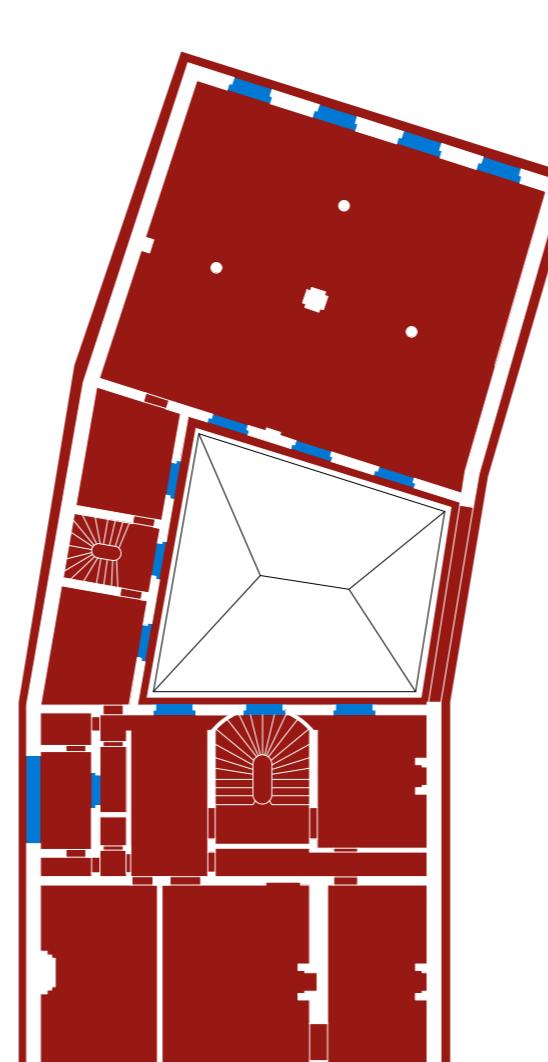
Circular distribution



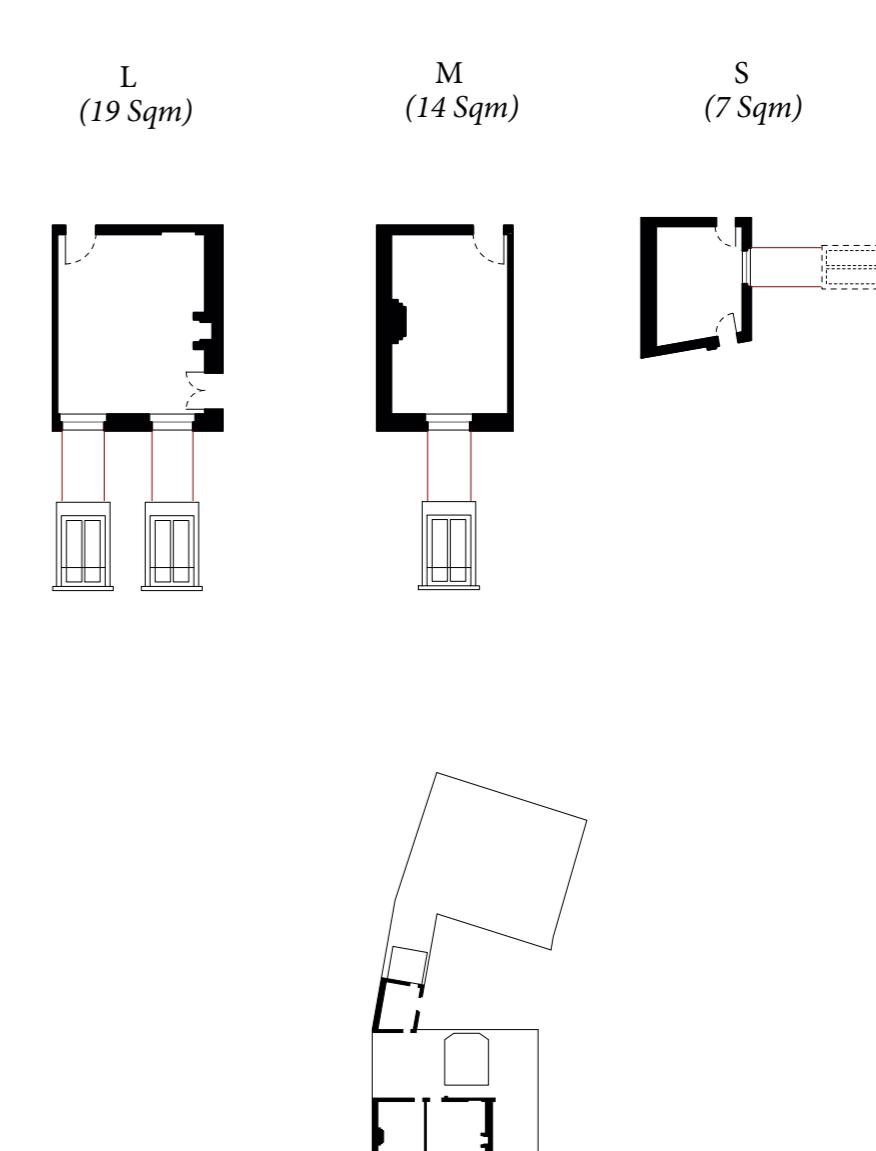
Plan composition



Facade composition



Windows redundancy



Rooms and windows Hierarchy

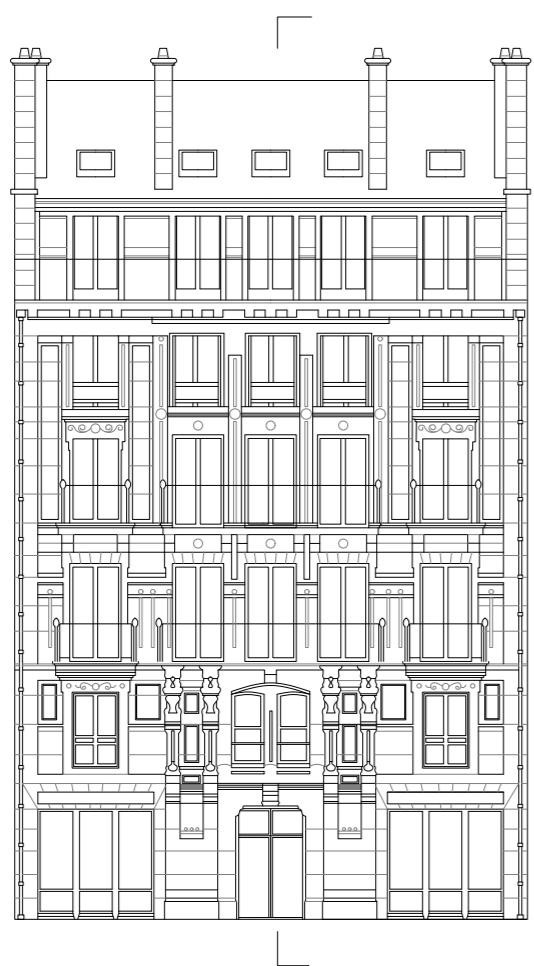
MAPPING CHARACTERISTICS

9, Rue du Conservatoire

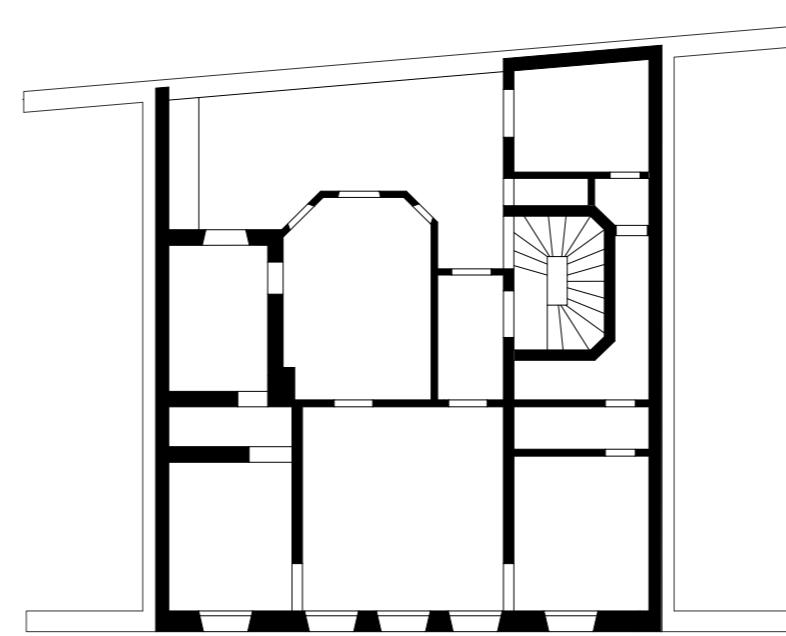
Paris, France, around 1870

Architect : Amoudrou

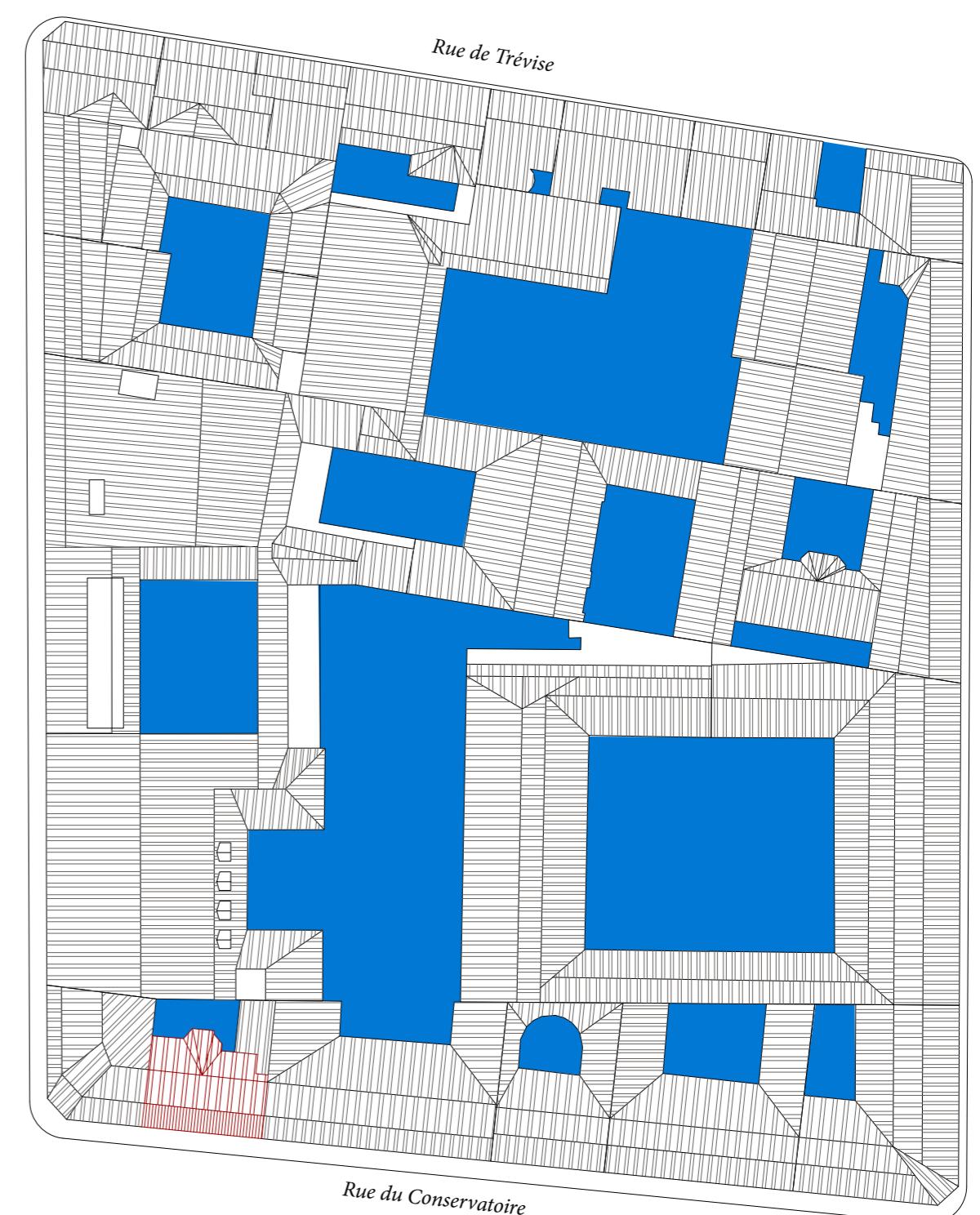
0 10 m



Elevation



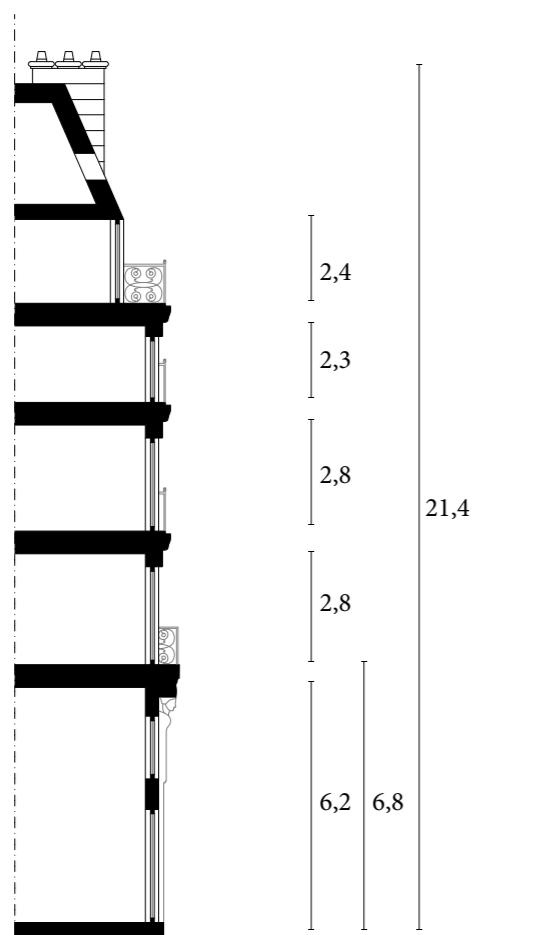
Typical residential floor plan



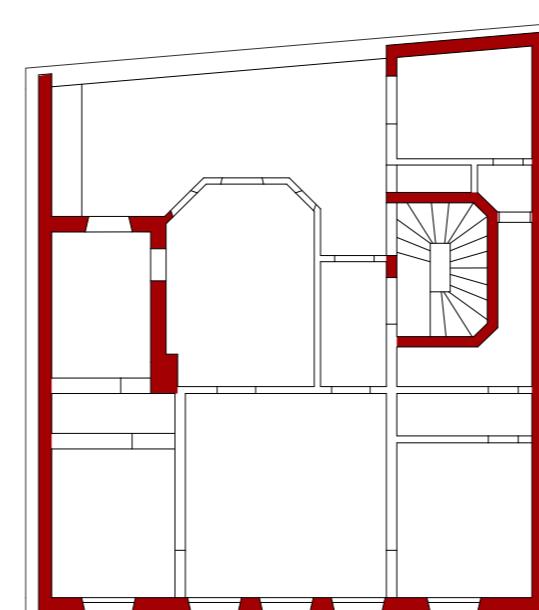
Rue Sante - Cécile

0 25 m

Block vertical porosity

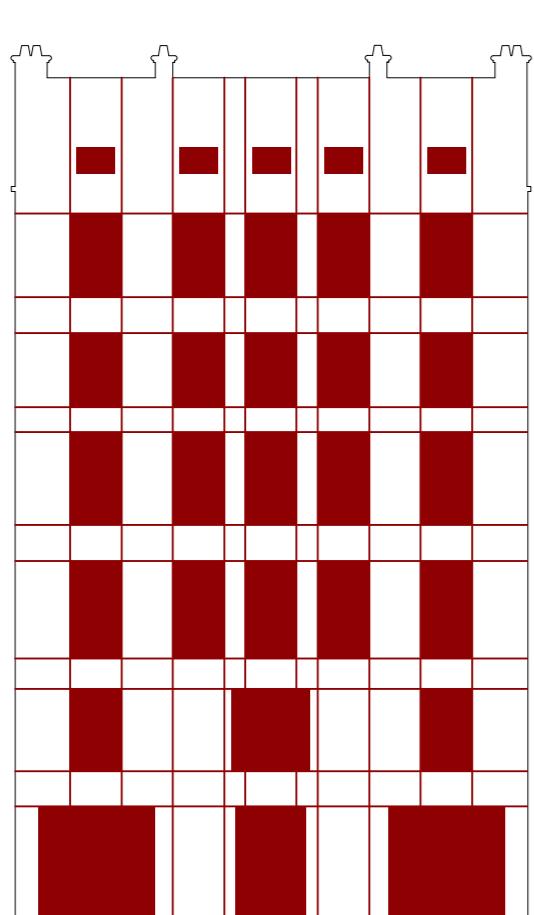


Height difference

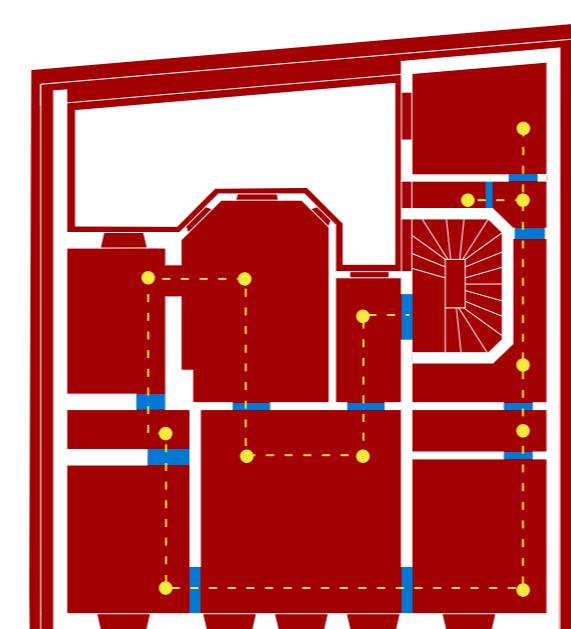


Structural clarity

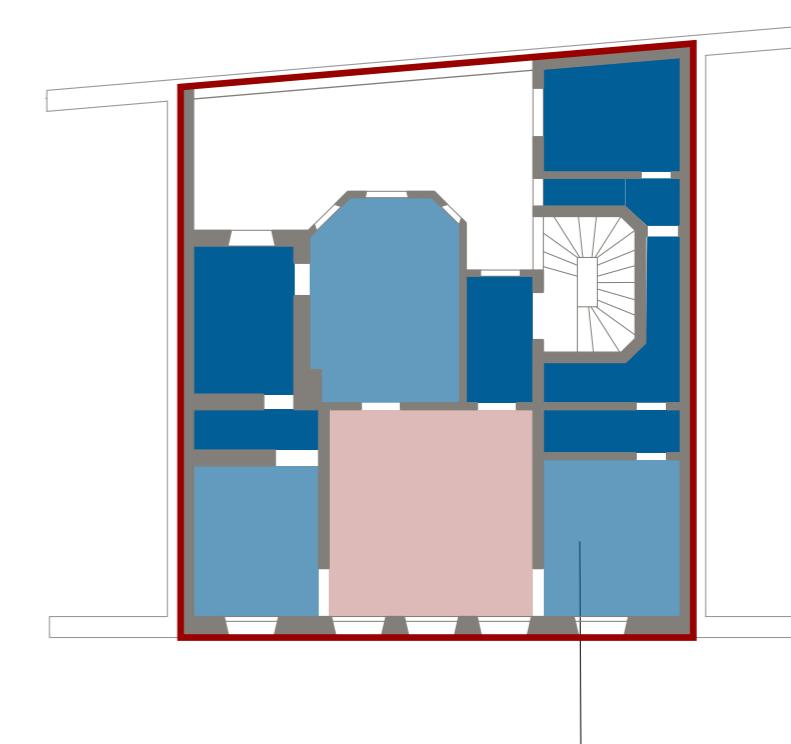
LARGE 70 sqm - 30 sqm MEDIUM 29 sqm - 15 sqm SMALL 14 sqm - 0 sqm



Facade grid regularity



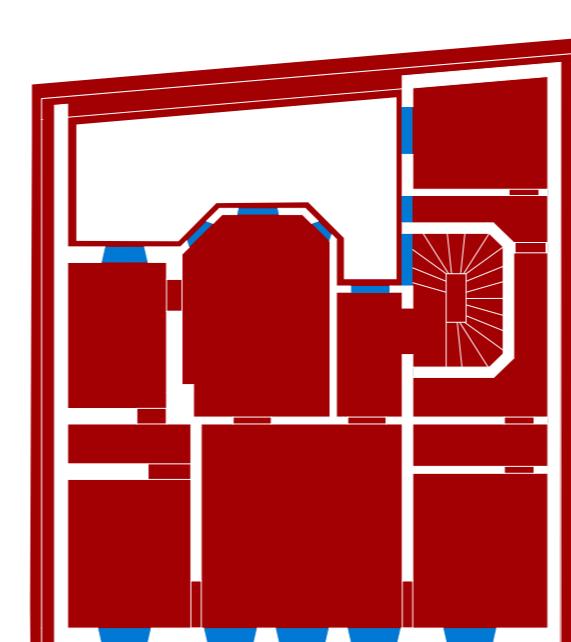
Circular distribution



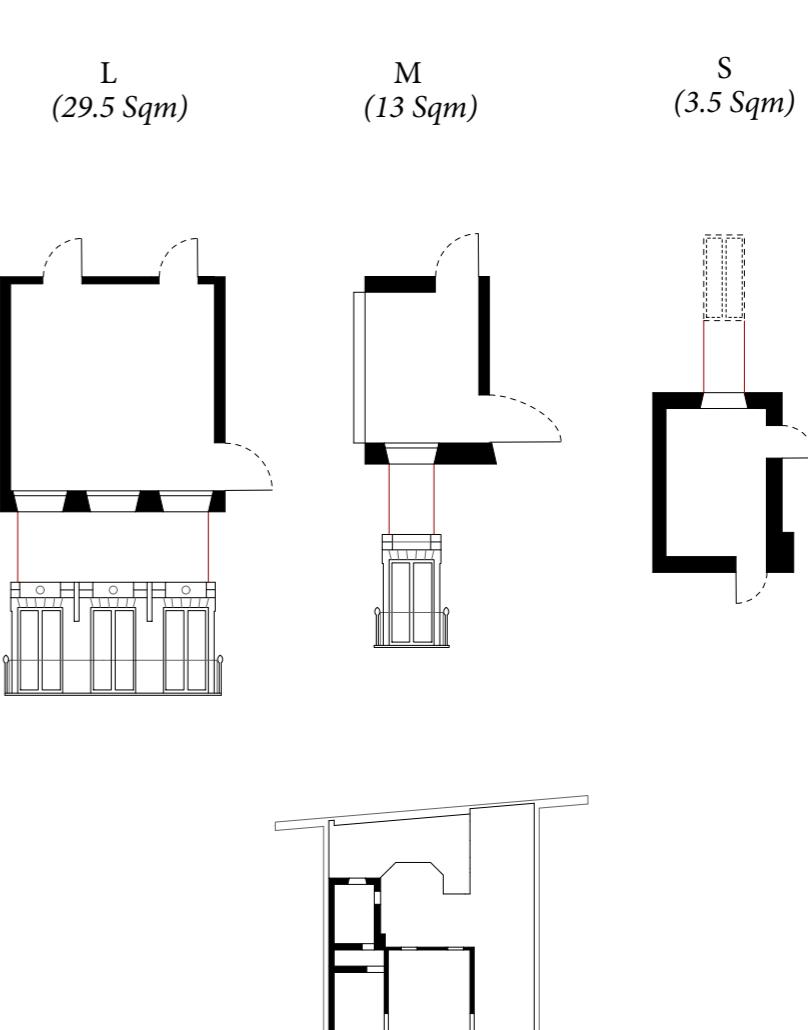
Plan composition



Facade composition



Windows redundancy



Rooms and windows Hyerarchy

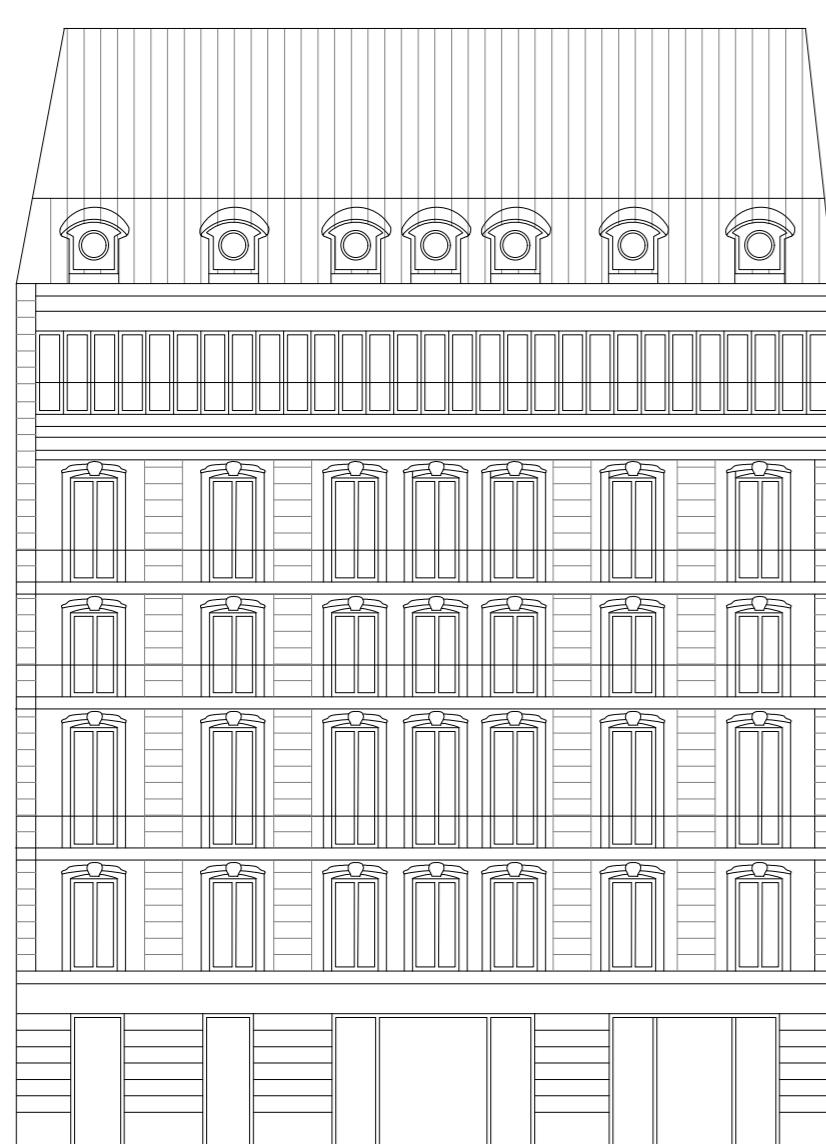
MAPPING CHARACTERISTICS

47, Boulevard de Malesherbes

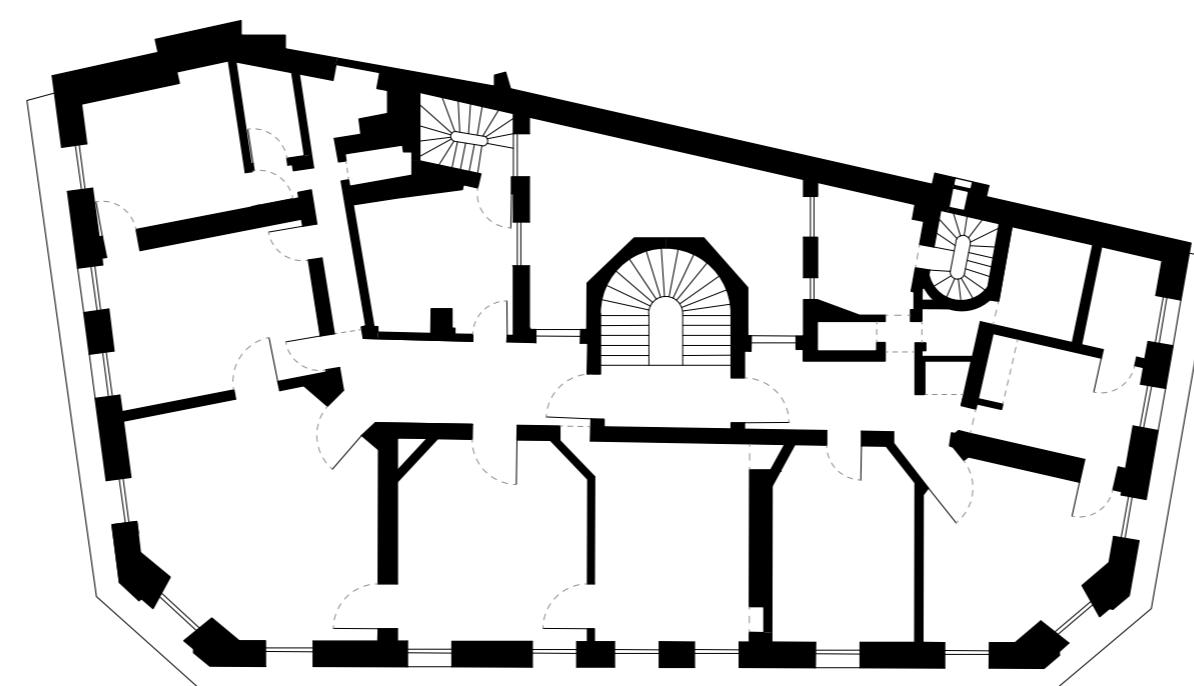
Paris, France, around 1860

Architect : Unknown

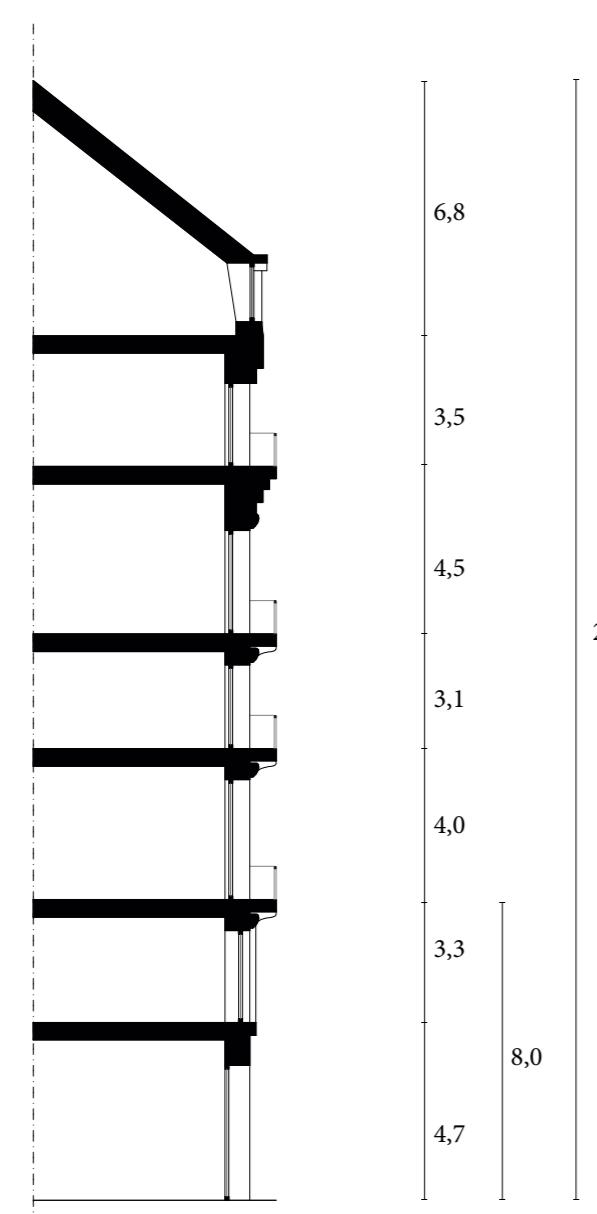
0 10 m



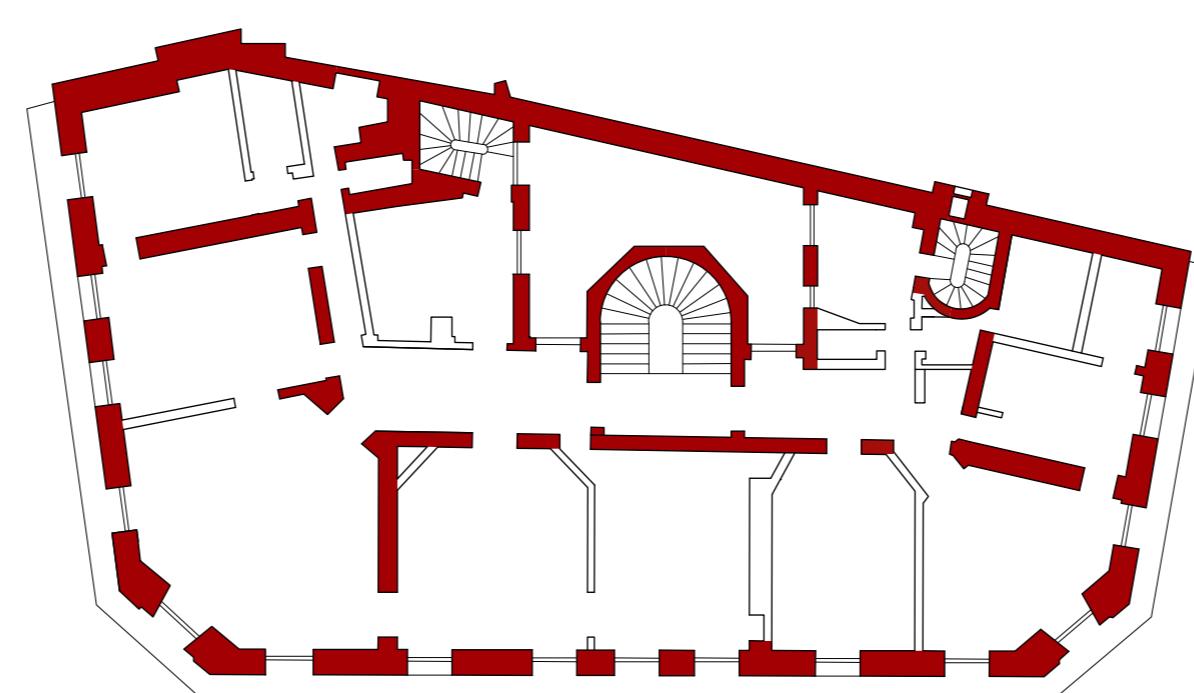
Elevation



Typical residential floor plan



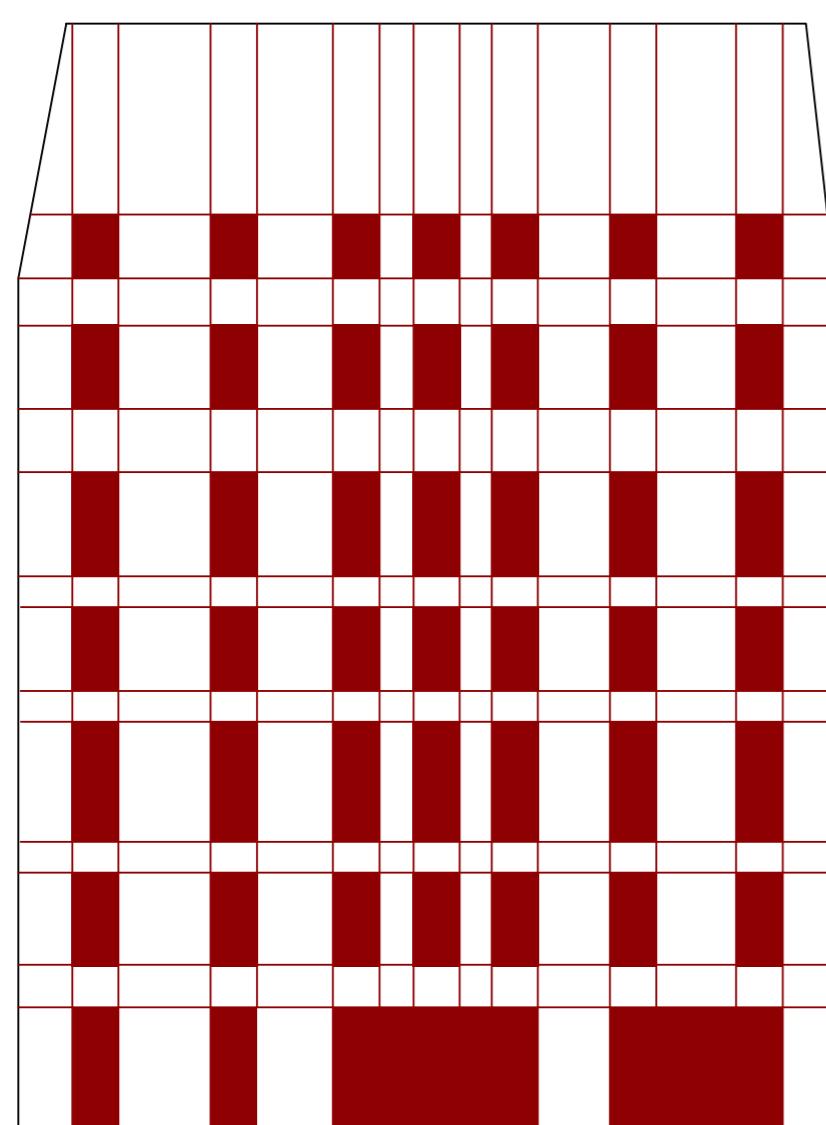
Height difference



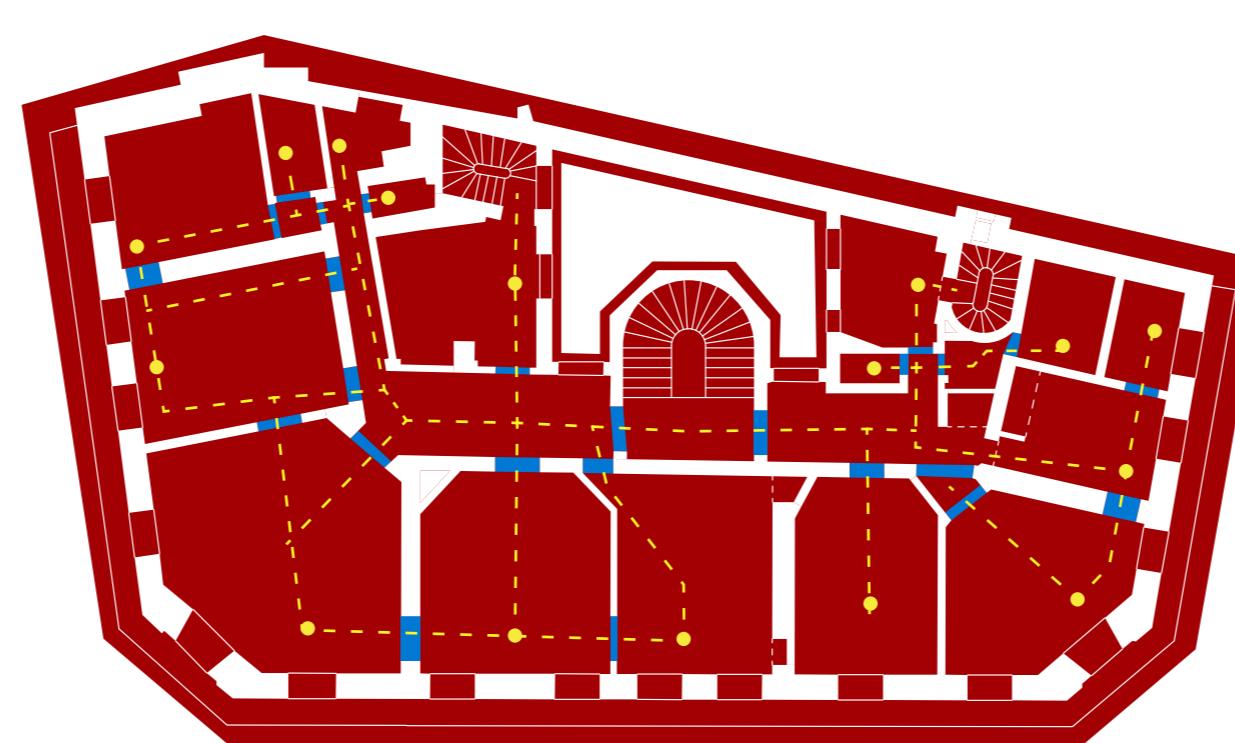
Structural clarity



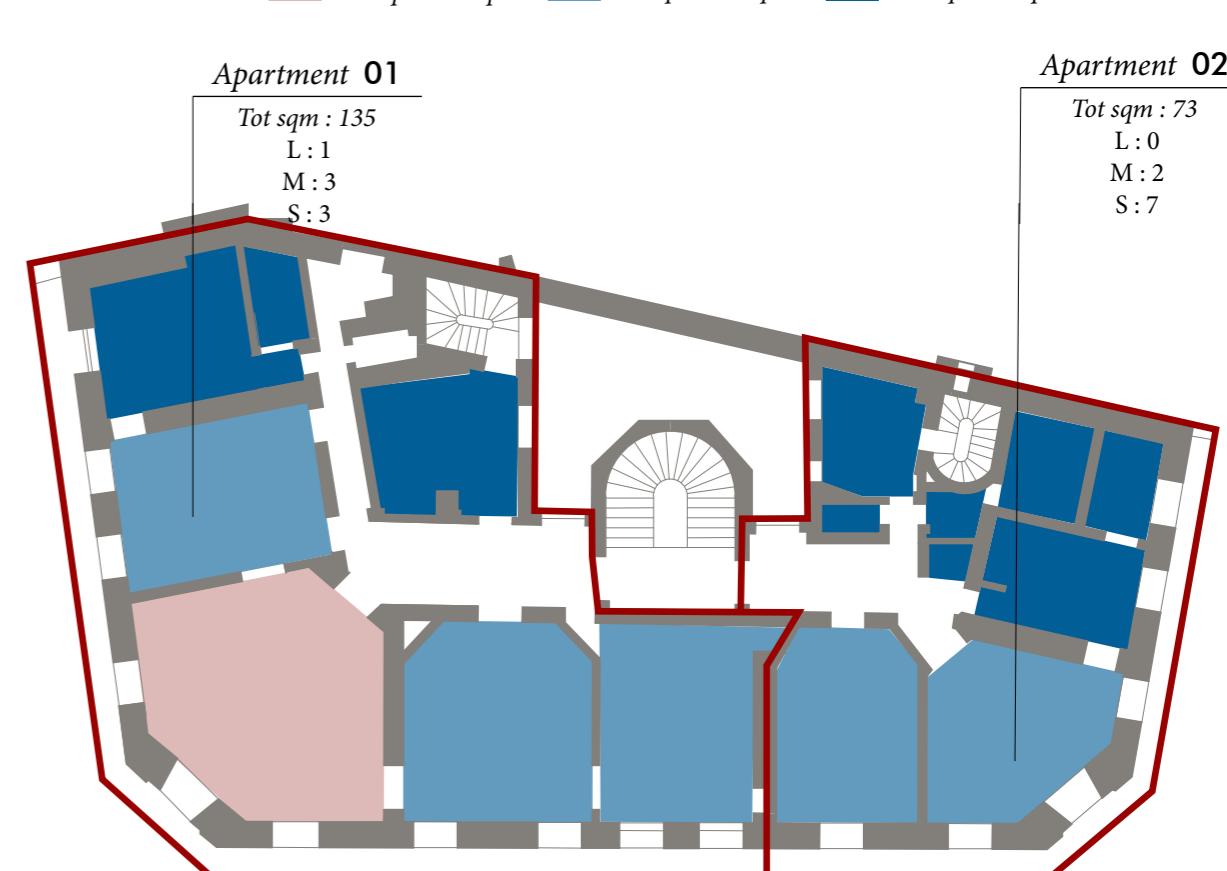
Block vertical porosity
0 25 m



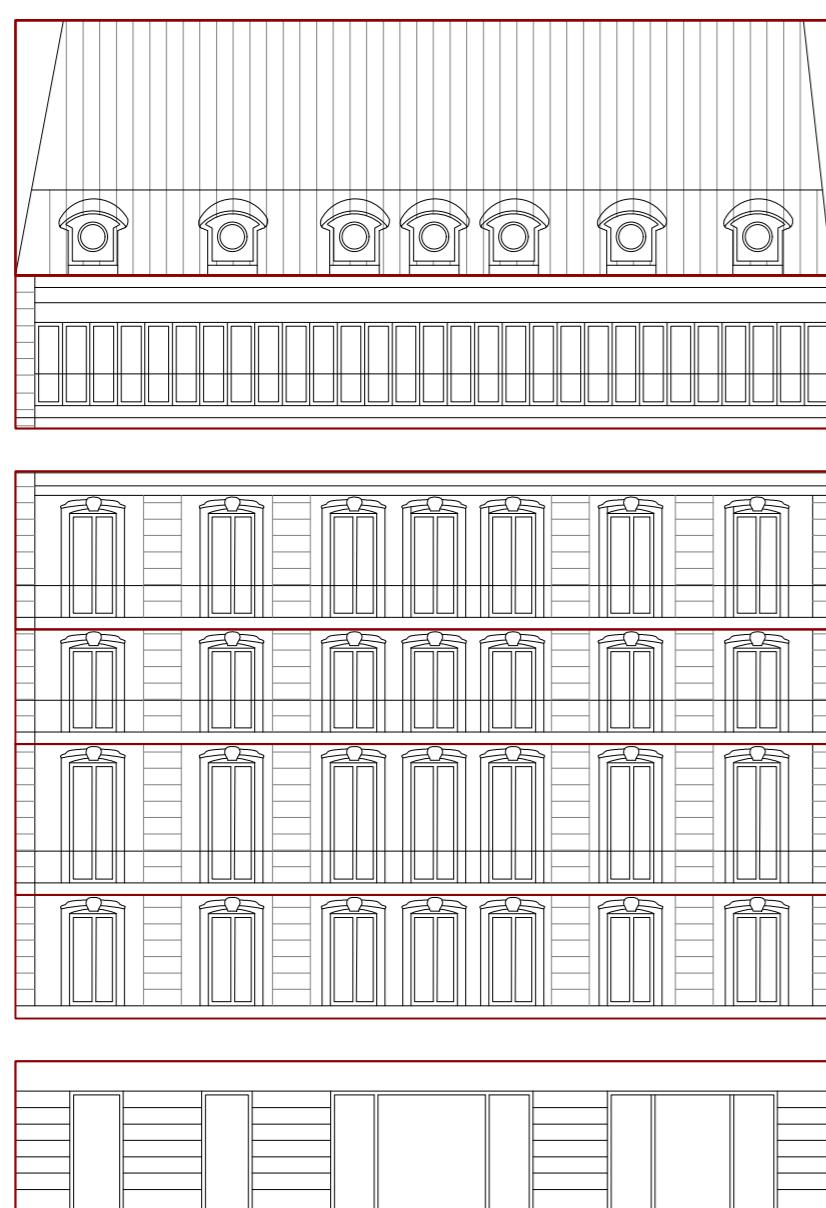
Facade grid regularity



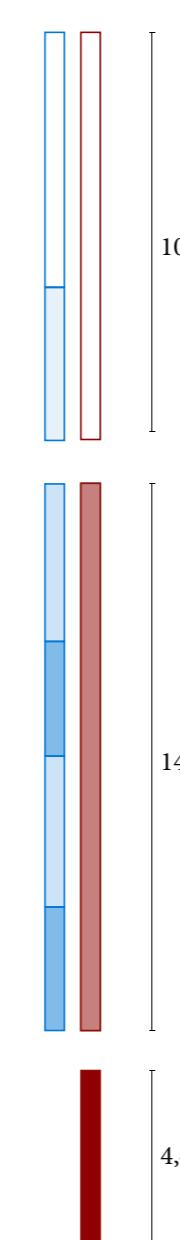
Circular distribution



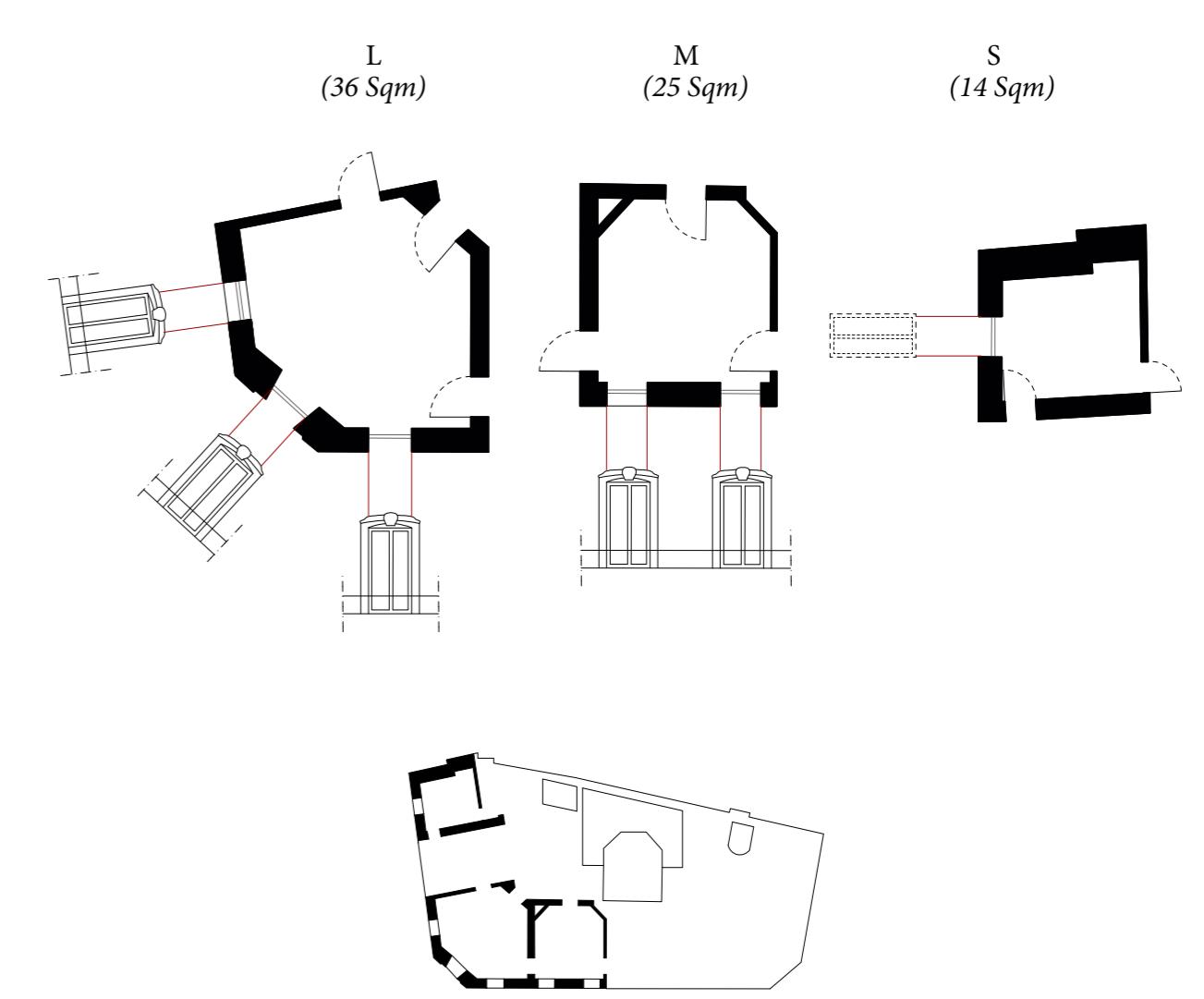
Plan composition



Facade composition



Windows redudance



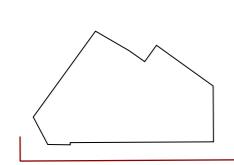
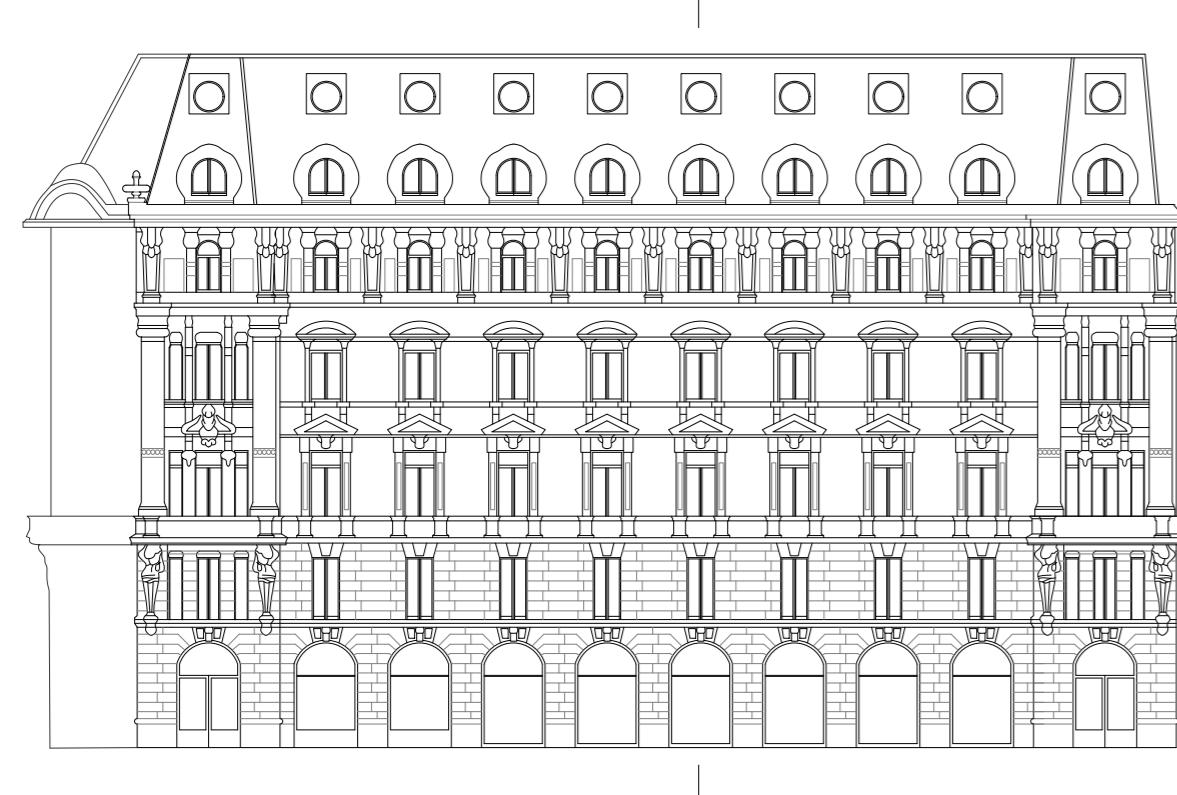
Rooms and windows Hyerarchy

MAPPING CHARACTERISTICS

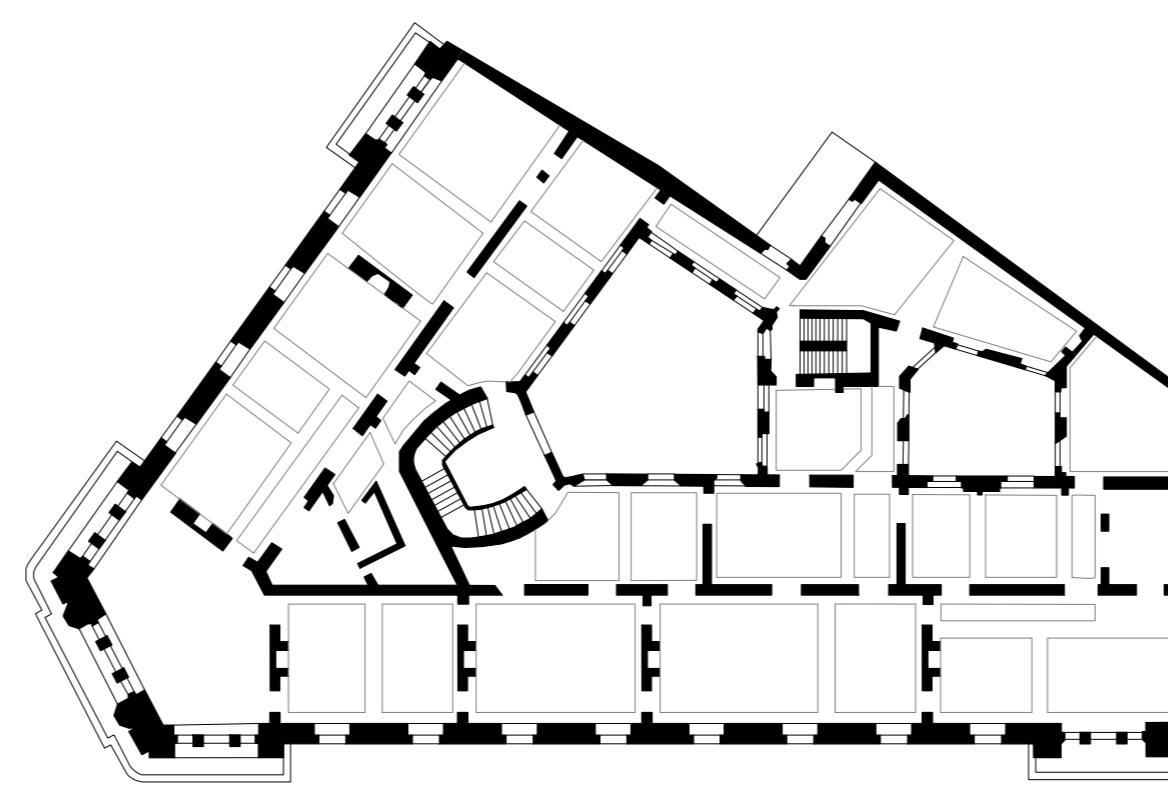
Casa Broggi: 5, Via Dante

Milan, Italy, 1891
Architects : L. Broggi, G. Sommarago

0 15 m



Elevation



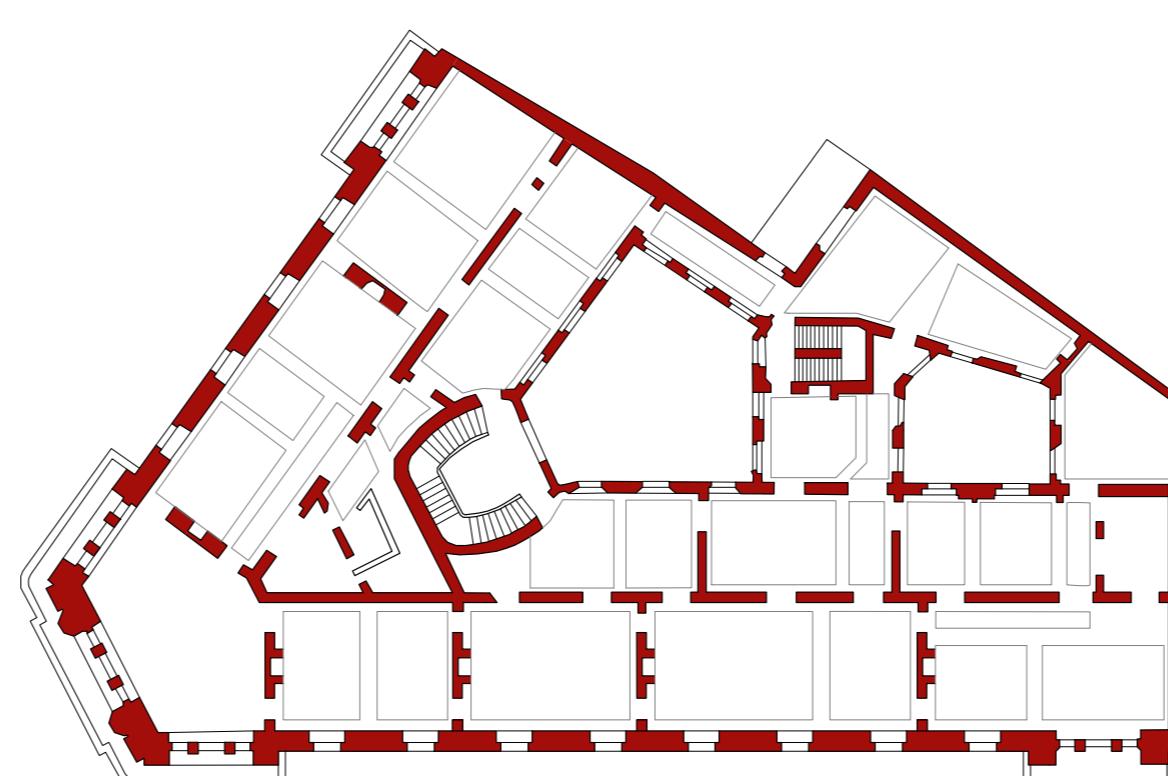
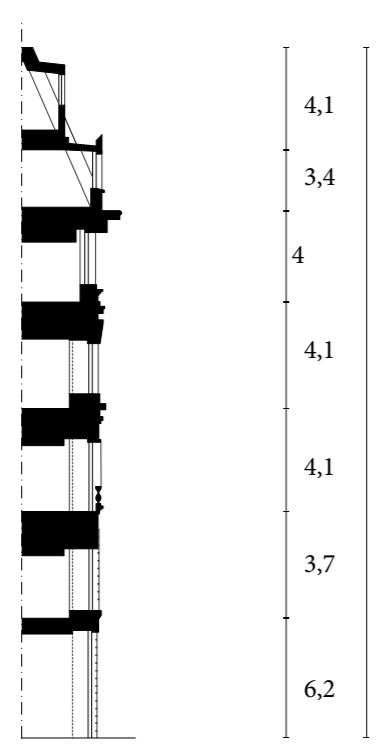
Typical residential floor plan



Via Dante

Via Meravigli

Via G. Giulini

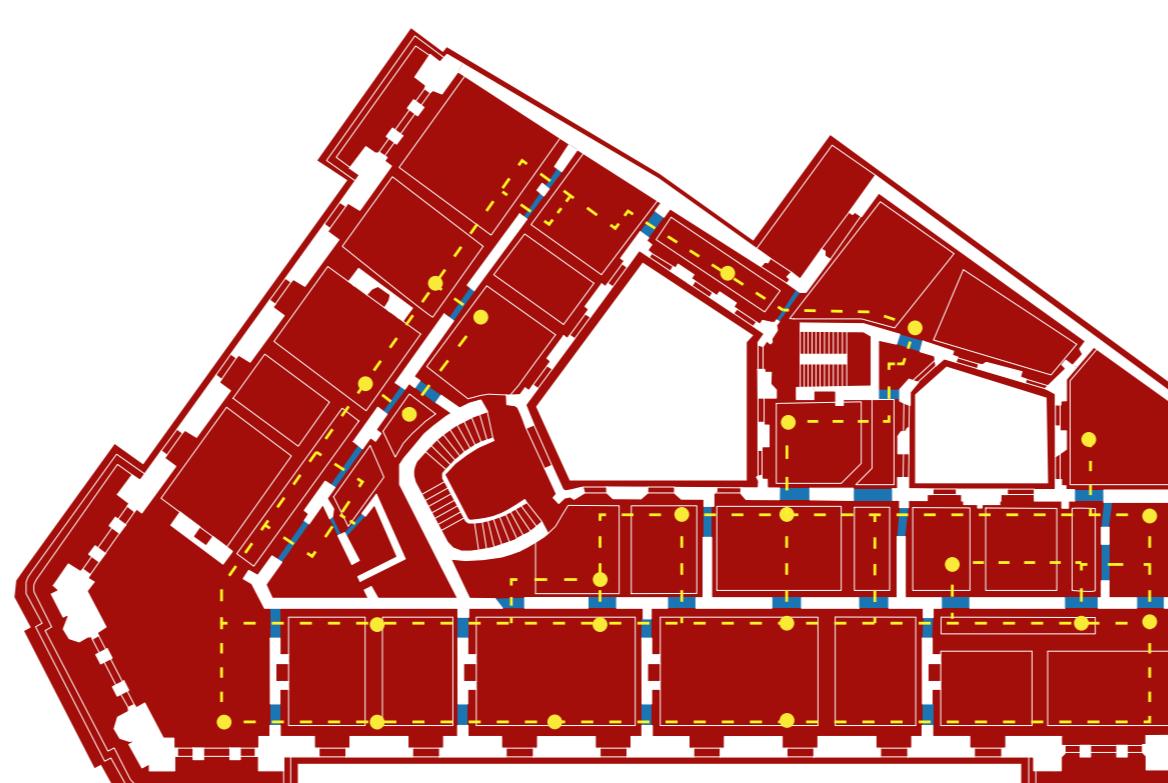
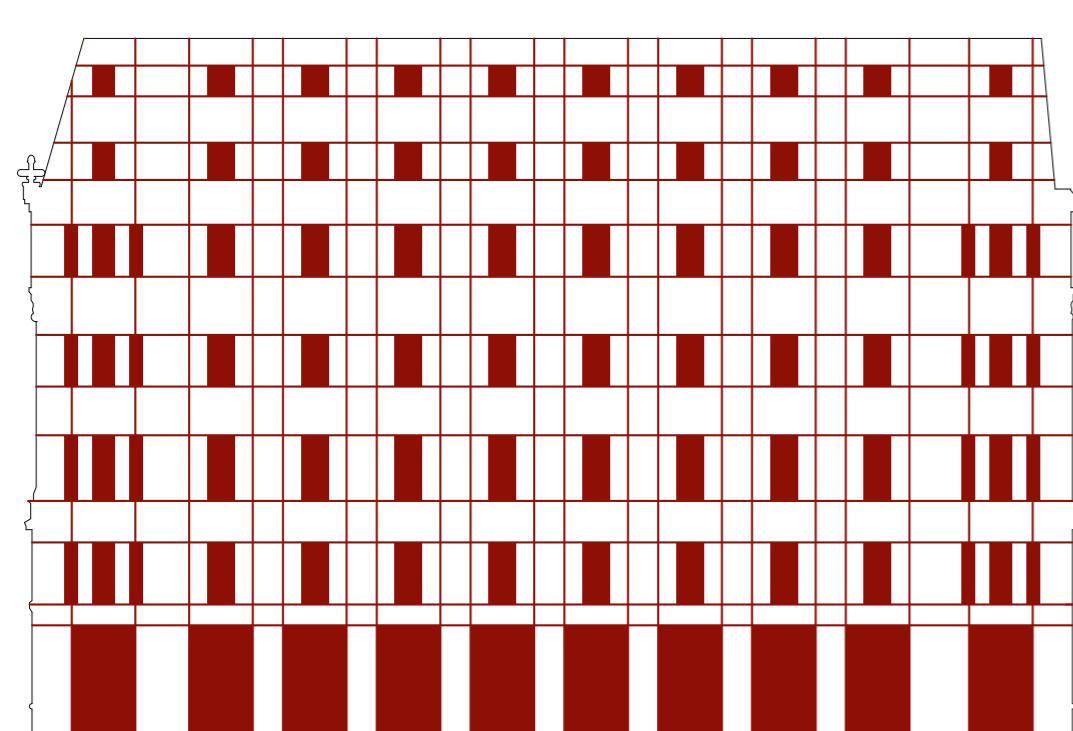


Height difference

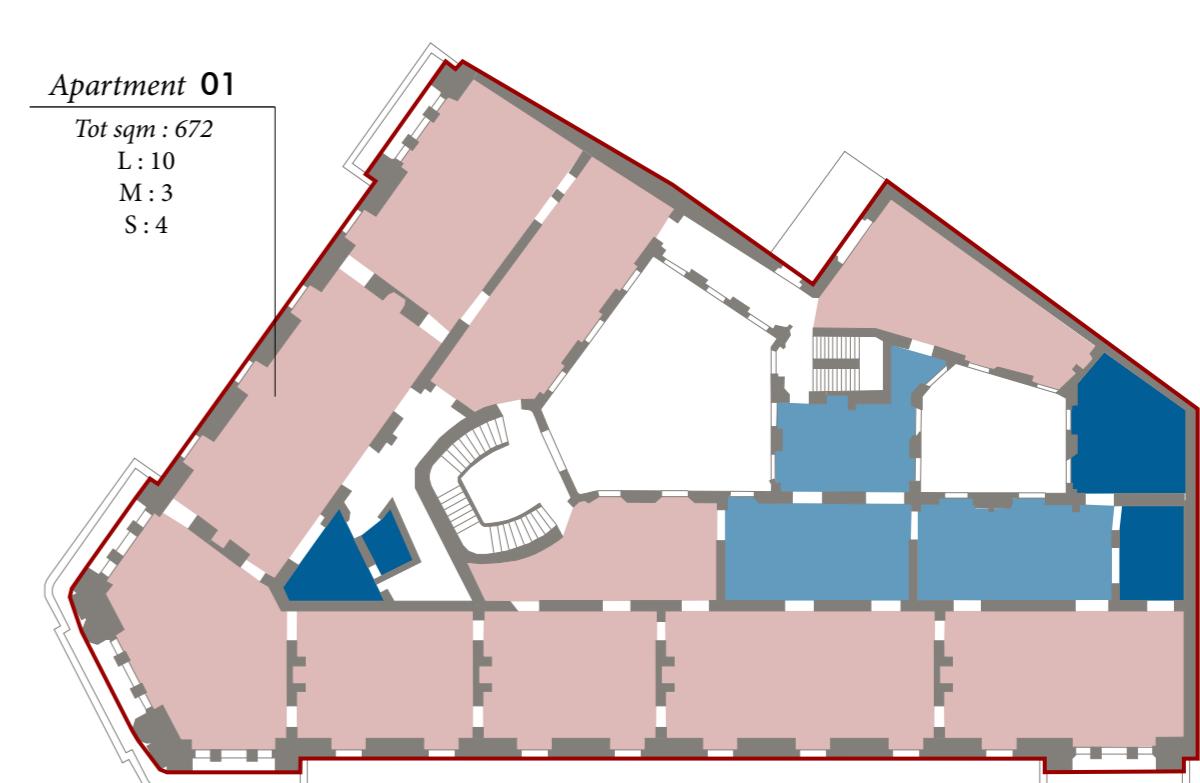
Structural clarity

0 25 m

Block vertical porosity



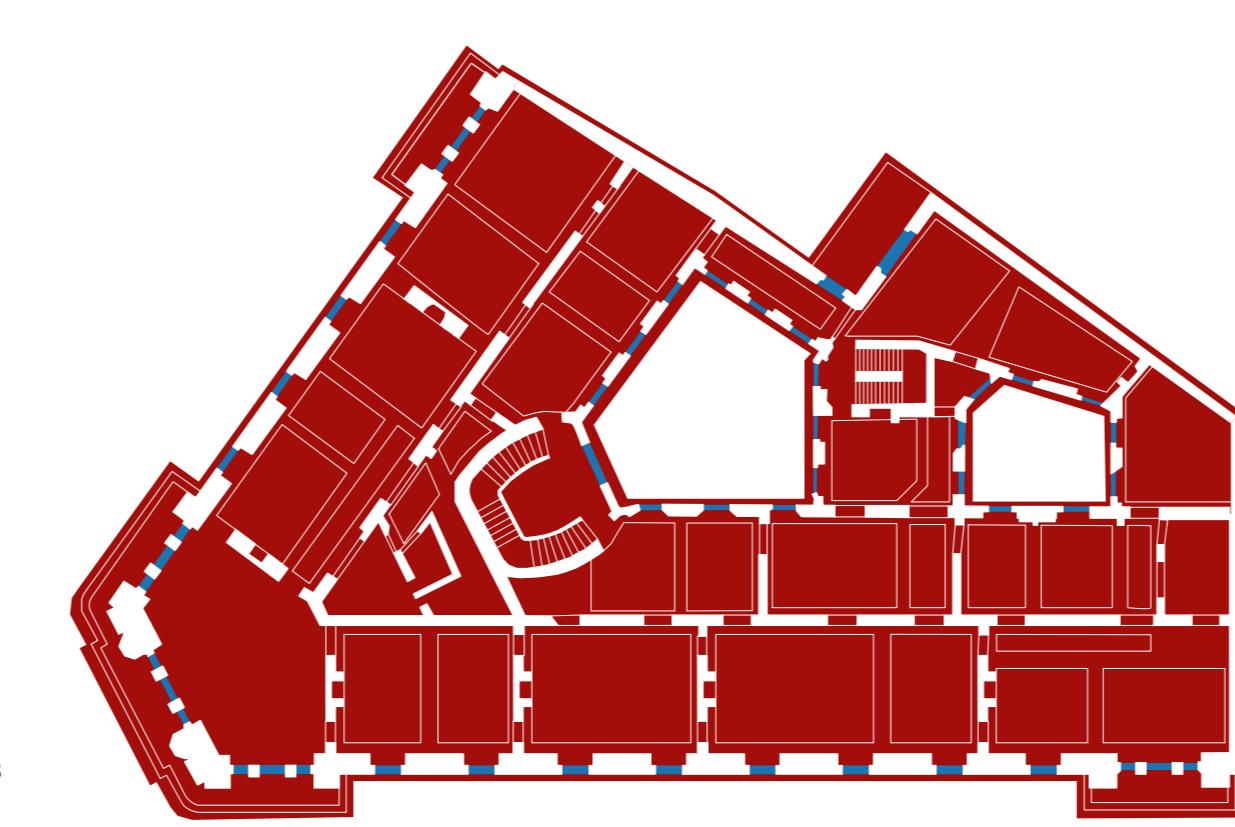
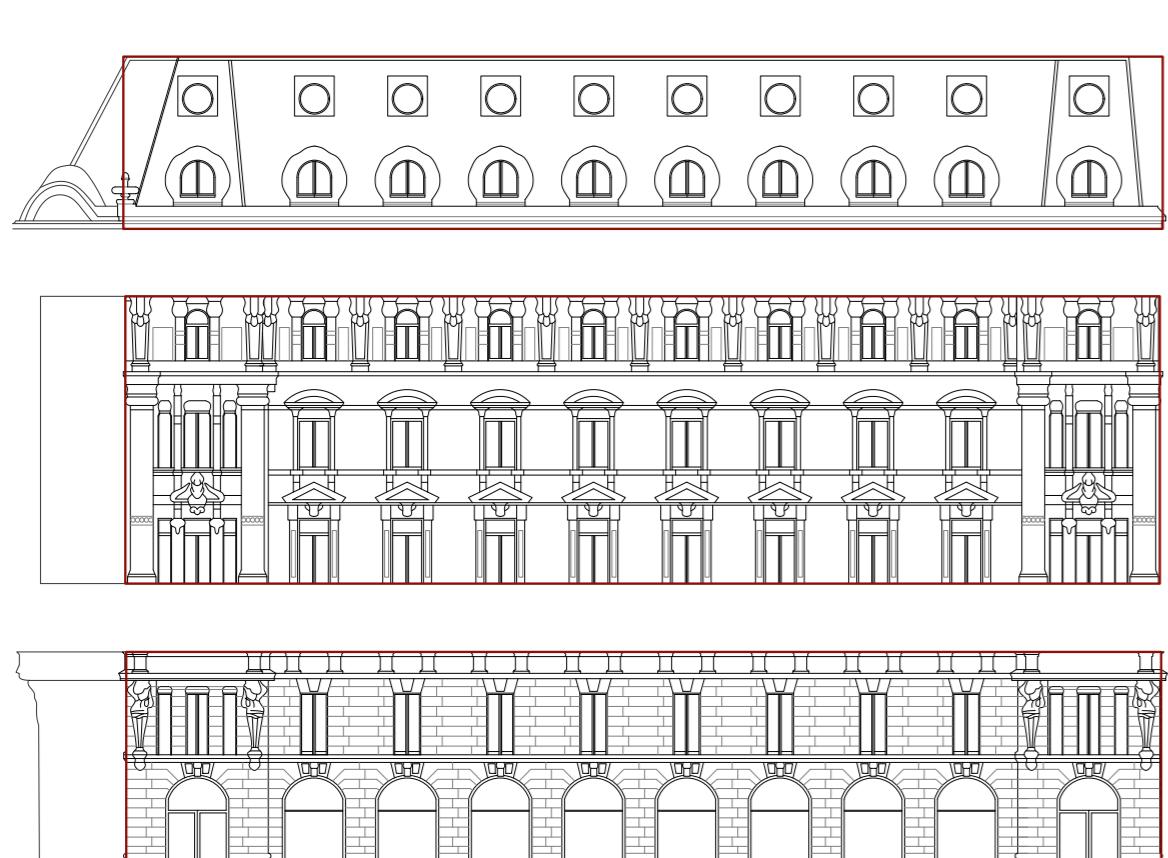
Facade grid regularity



Apartment 01

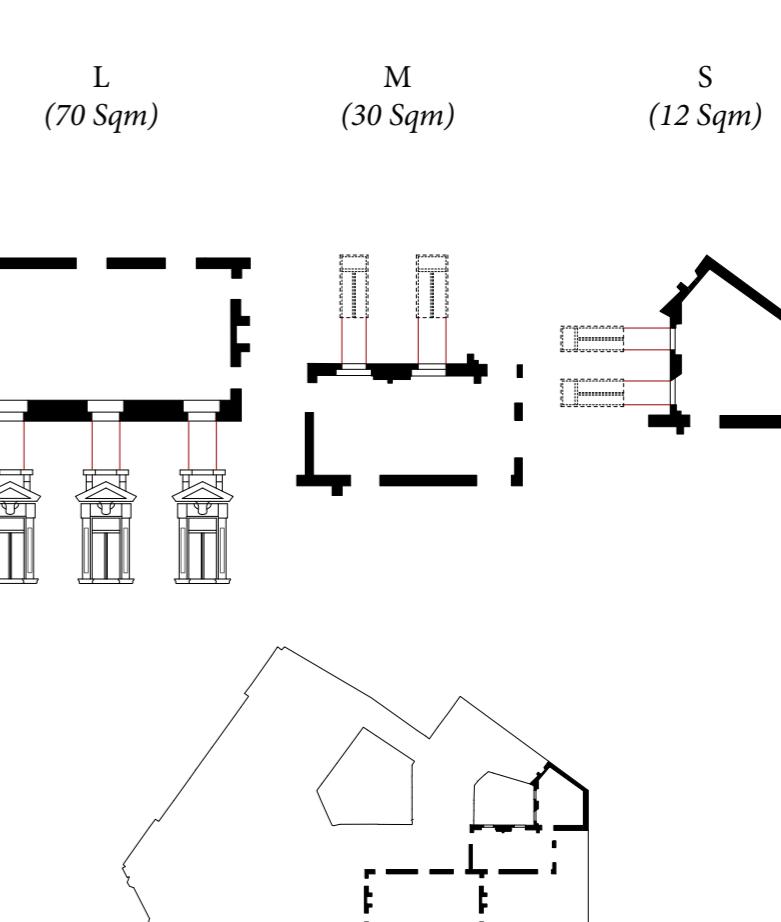
Tot sqm : 672
L: 10
M: 3
S: 4

Plan composition



Facade composition

Windows redundancy



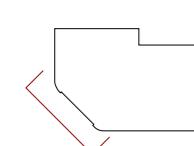
Rooms and windows Hyerarchy

MAPPING CHARACTERISTICS

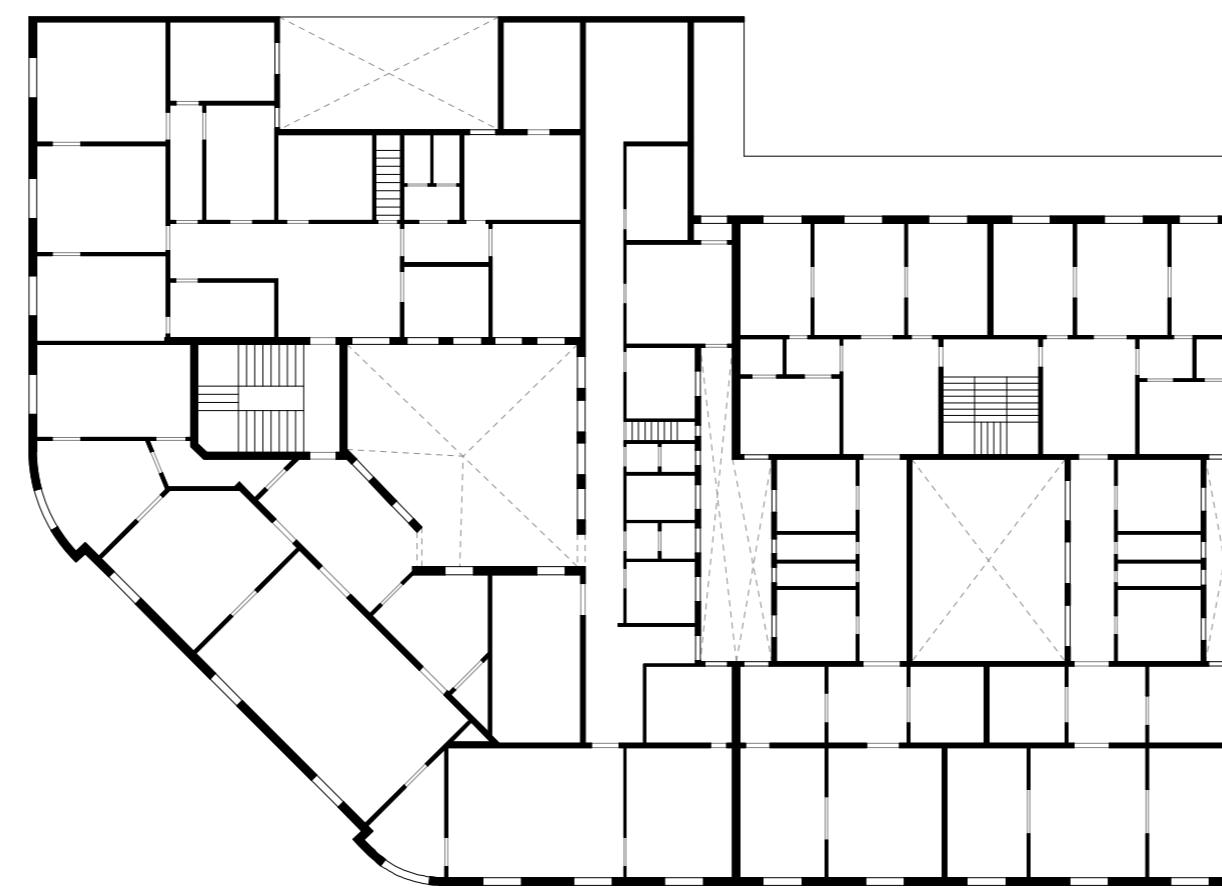
Casa Antoni Roger, 33-35, Carrer d'Ausiàs Marc

Barcelona, Spain, 1888
Architect : E. Sagnier i Villavecchia

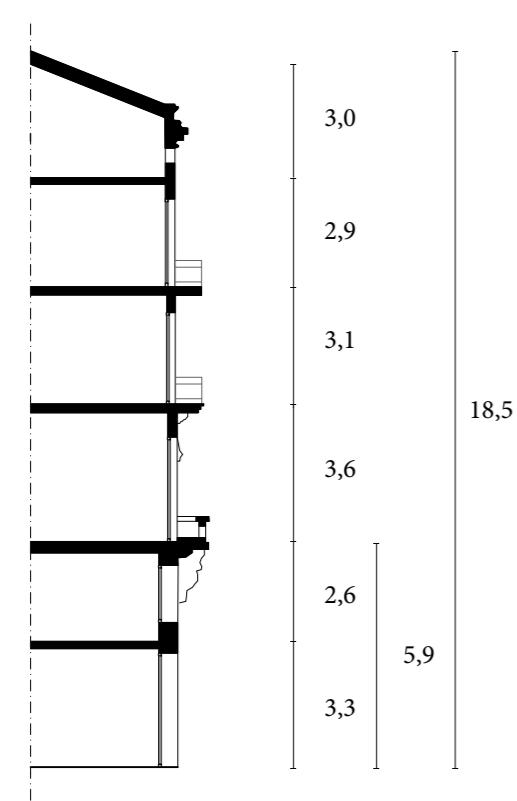
0 15 m



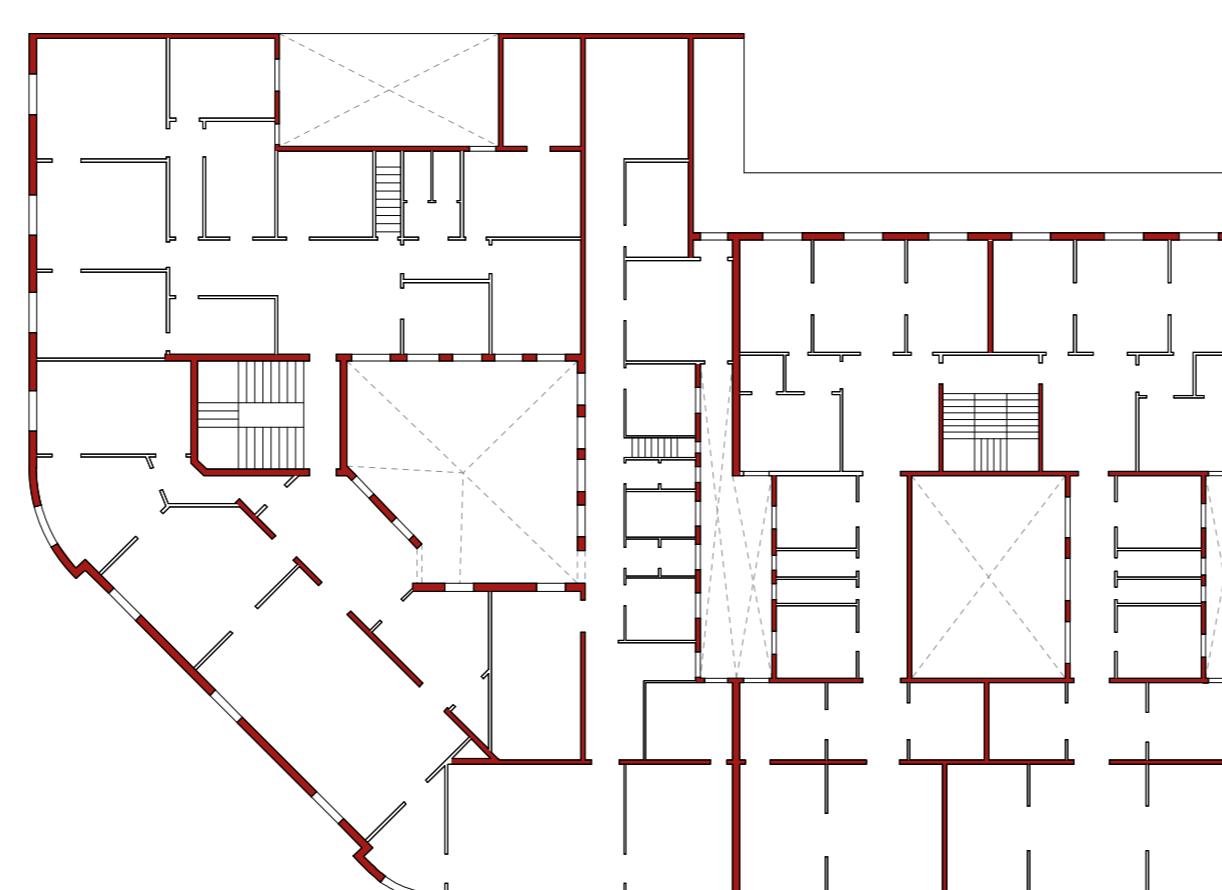
Elevation



Typical residential floor plan



Height difference



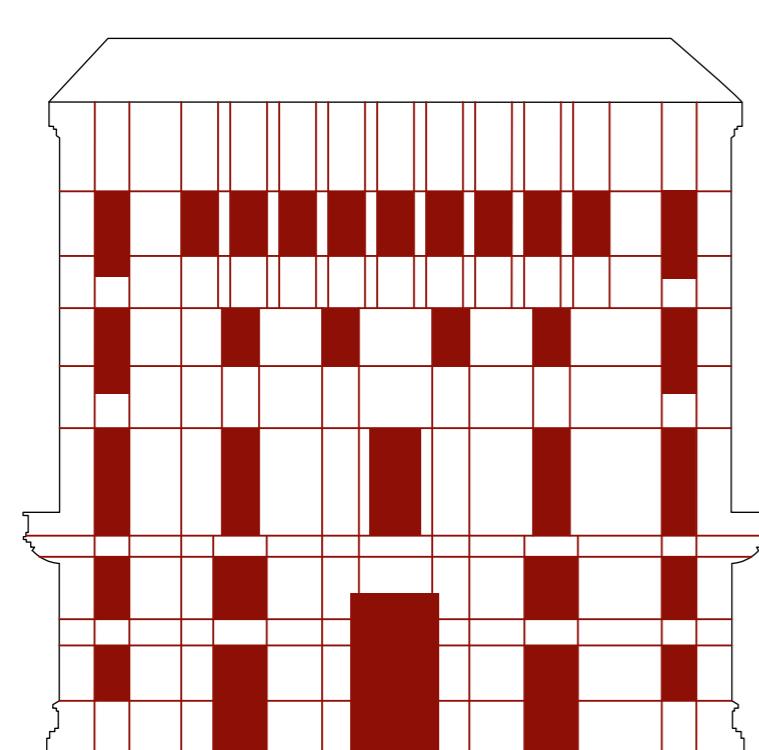
Structural clarity



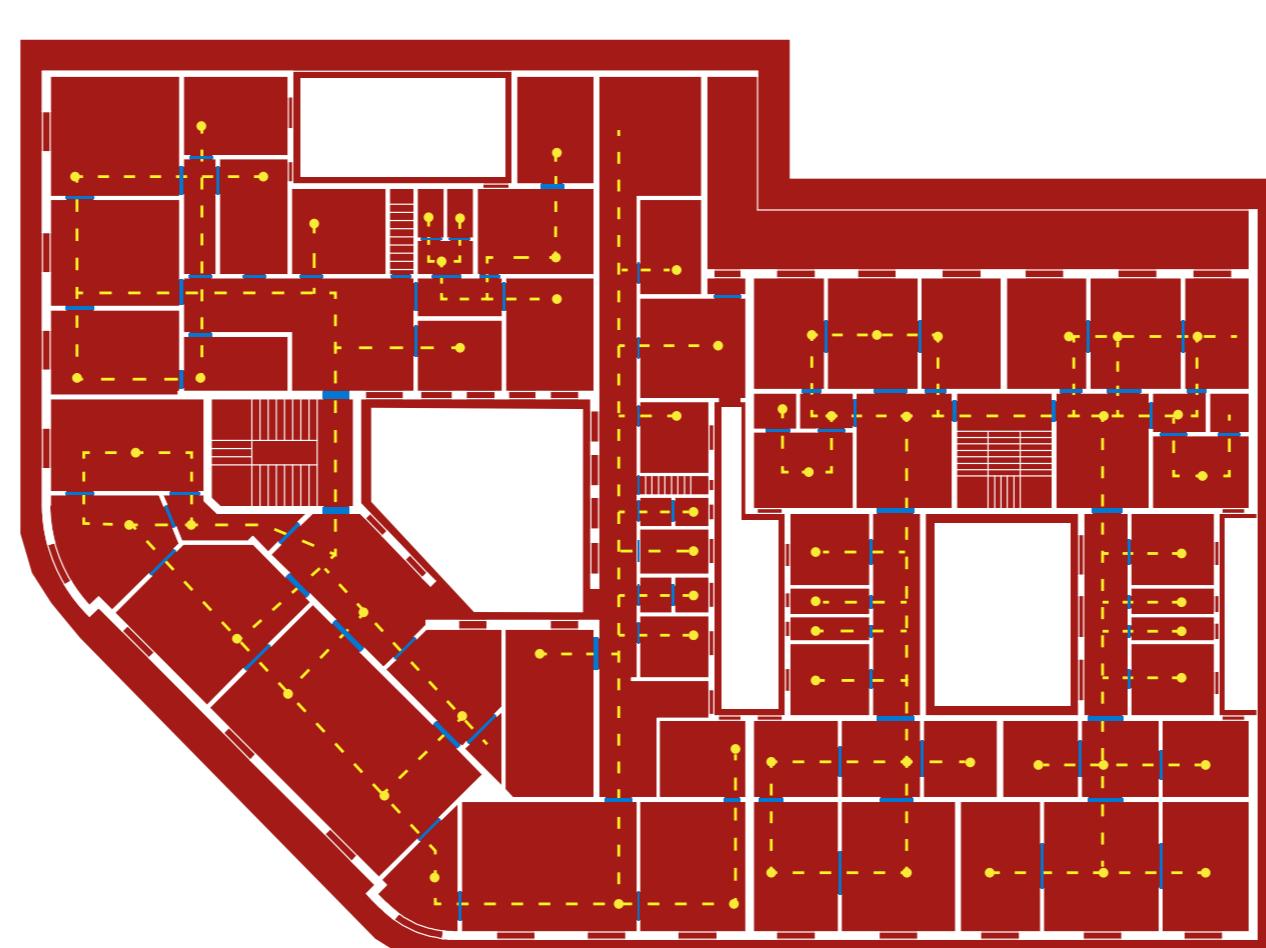
0 35 m

Block vertical porosity

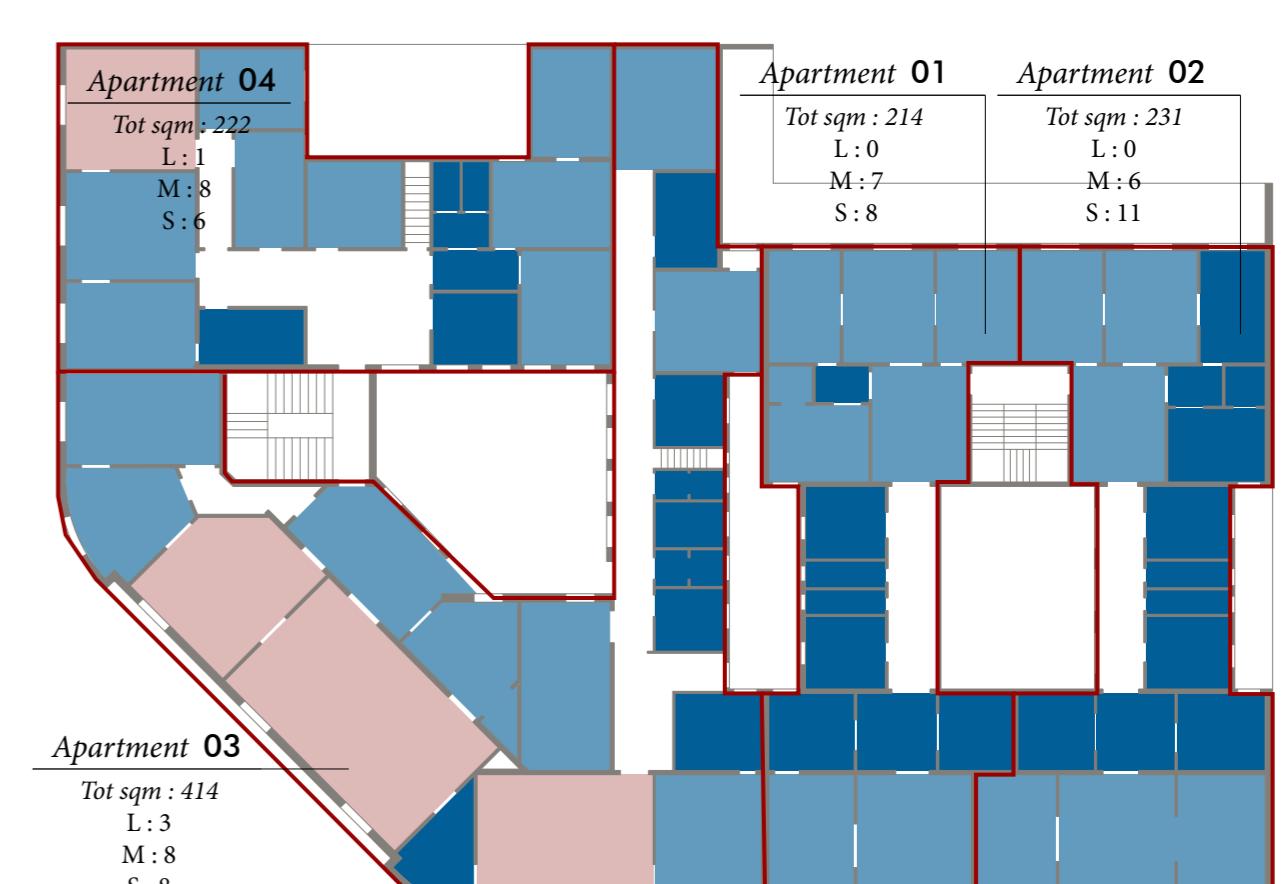
LARGE 70 sqm - 30 sqm MEDIUM 29 sqm - 15 sqm SMALL 14 sqm - 0 sqm



Facade grid regularity



Circular distribution

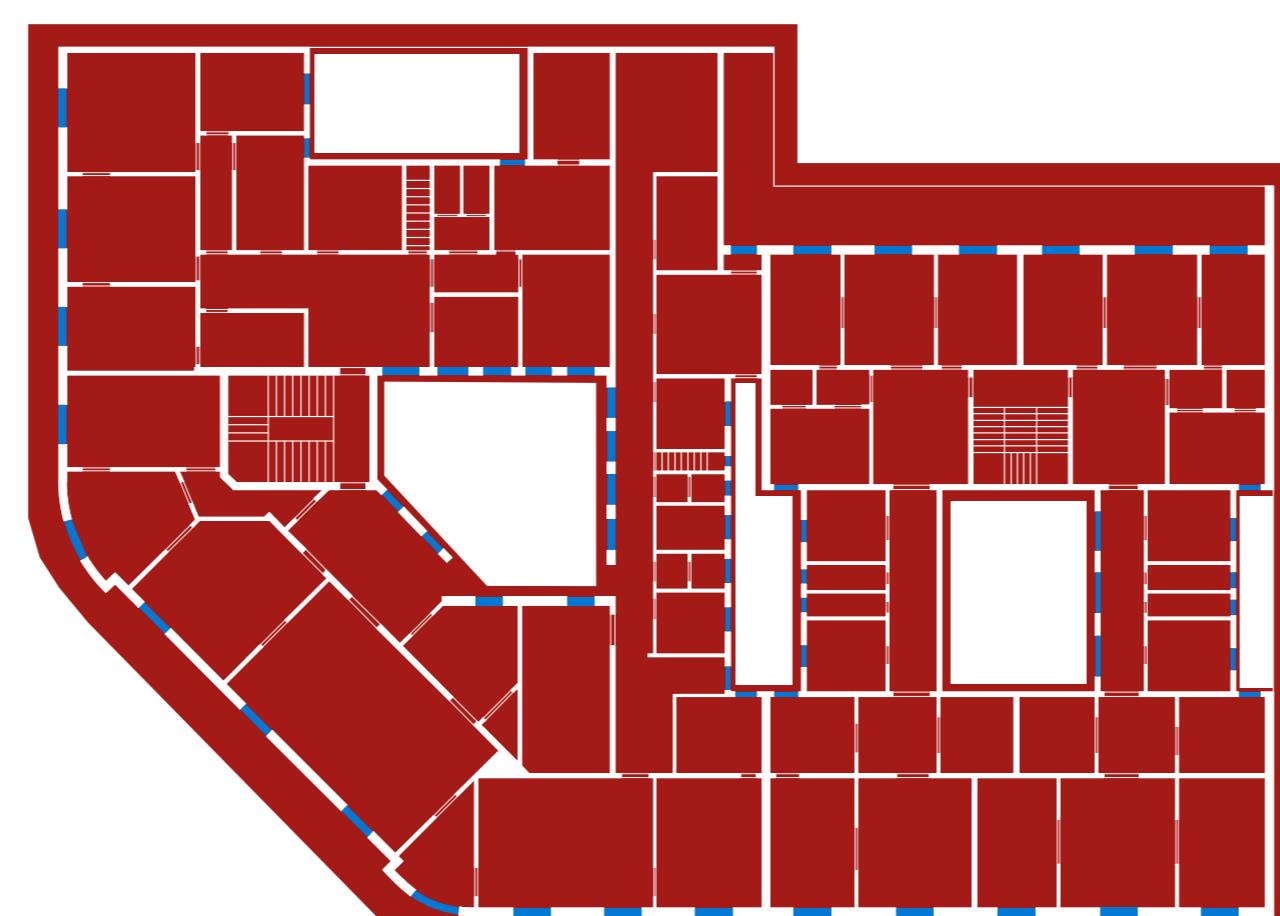
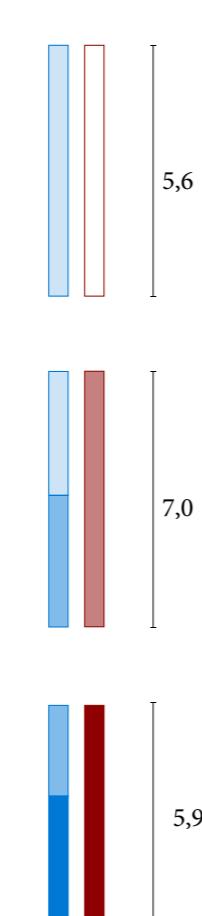


Plan composition

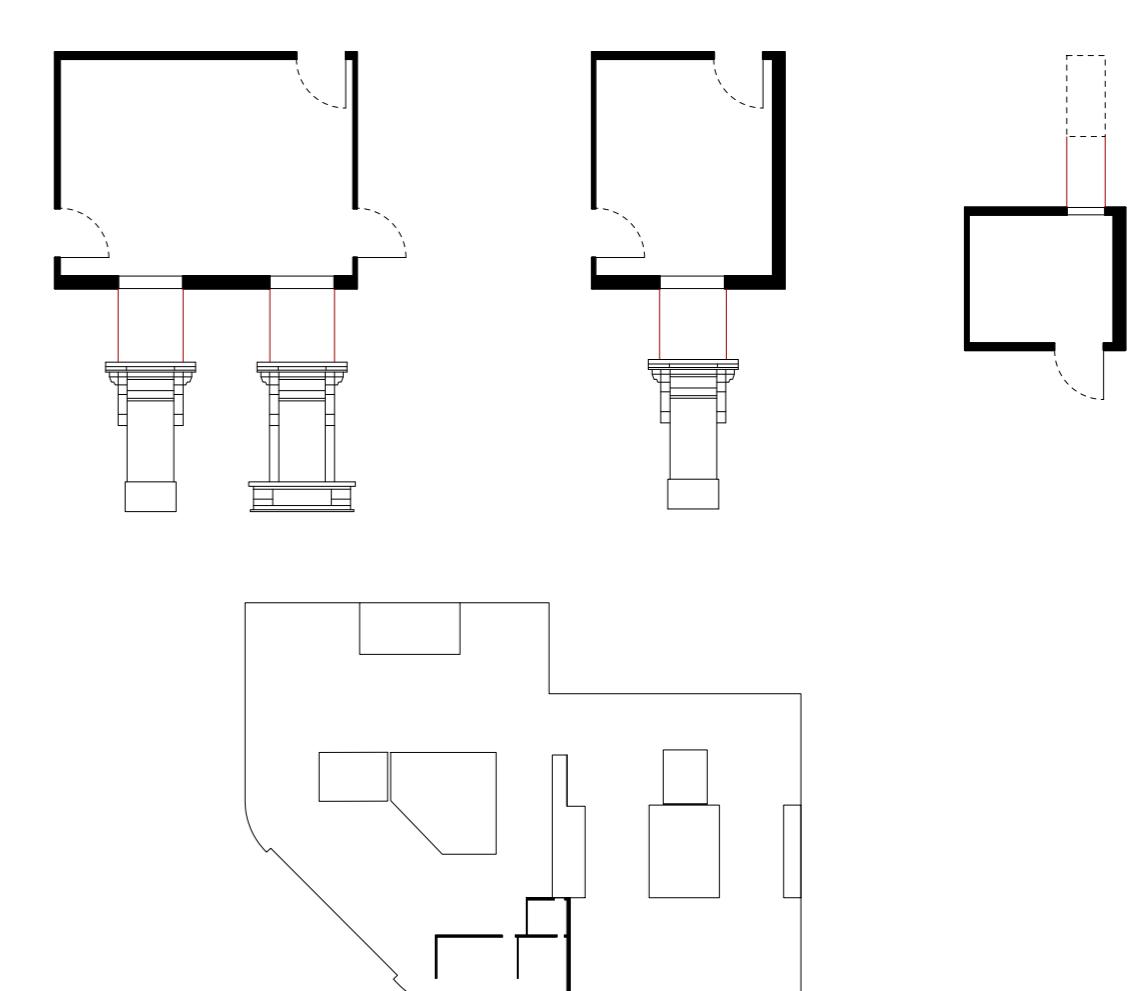
L (45 Sqm) M (27 Sqm) S (13 Sqm)



Facade composition



Windows redundancy



Rooms and windows Hierarchy

MAPPING CHARACTERISTICS

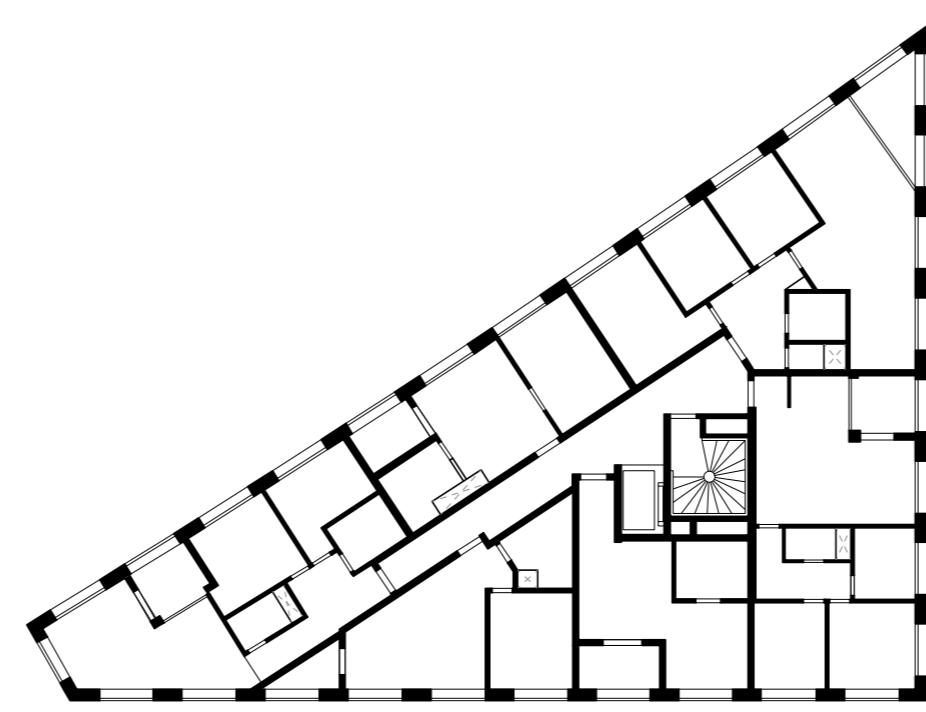
Paris XVII: 4-10, Rue George Picquard

Paris, France, 2015
Architects : LAN Architecture

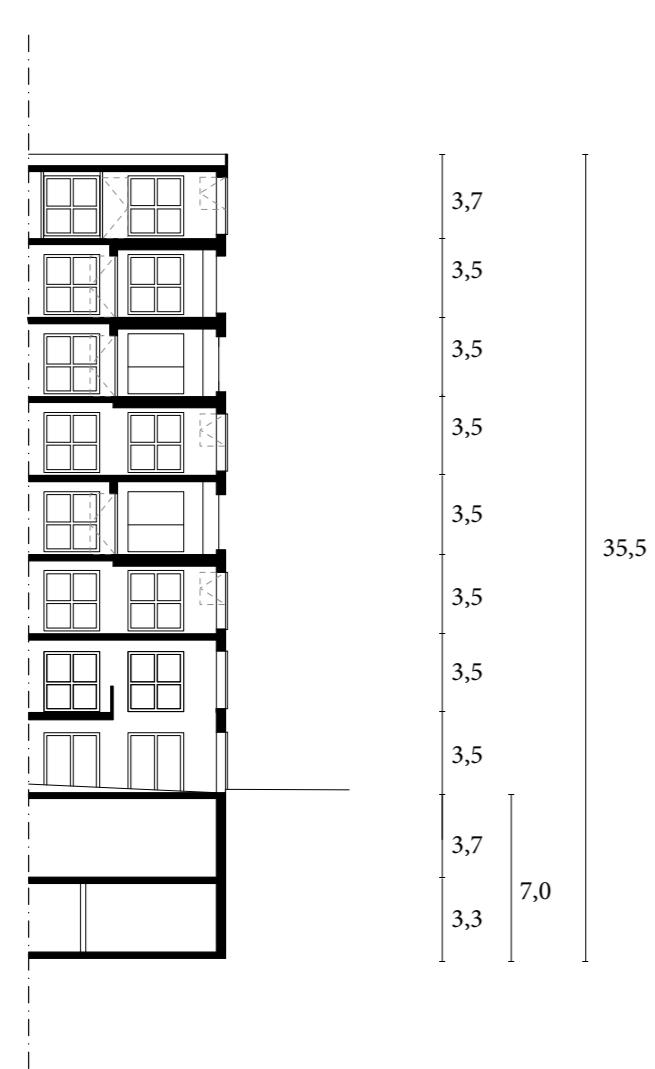
0 15 m



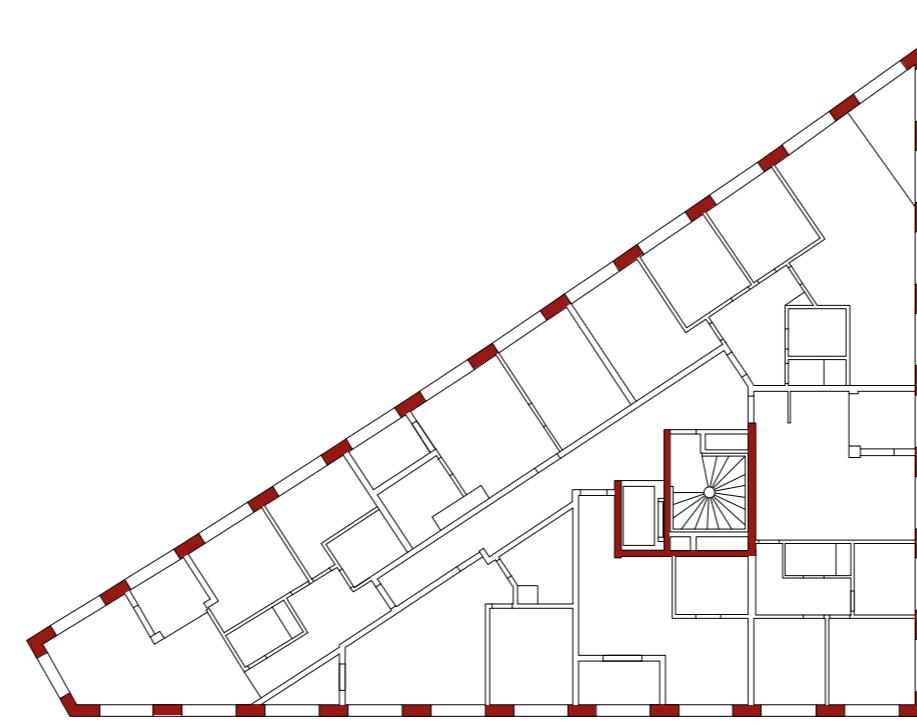
Elevation



Typical residential floor plan



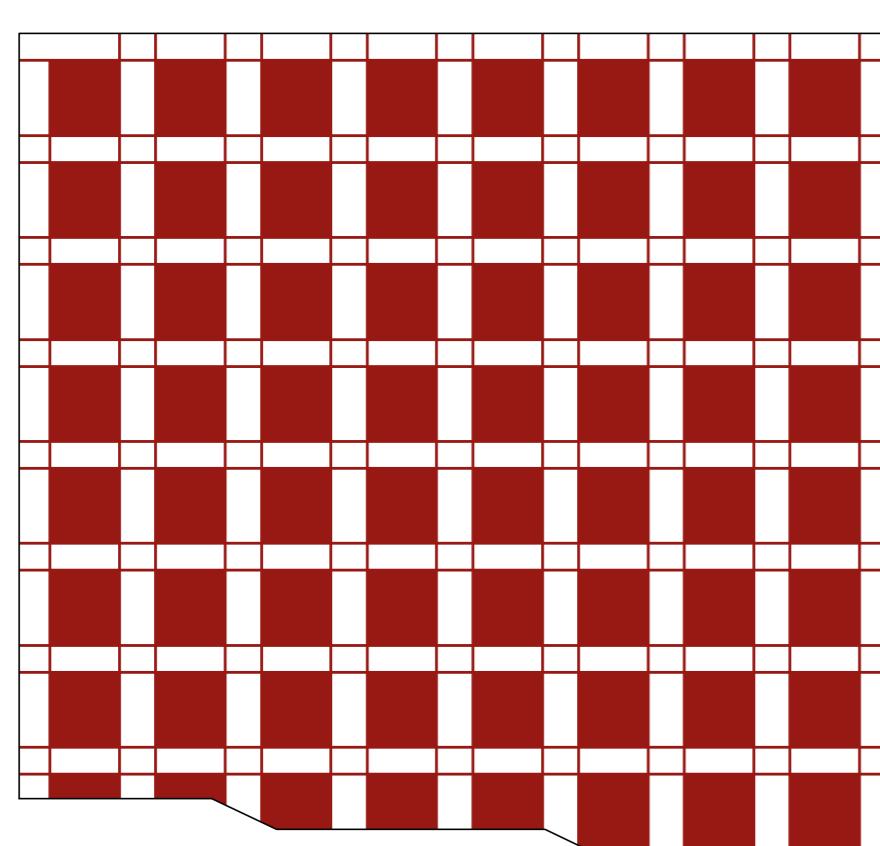
Height difference



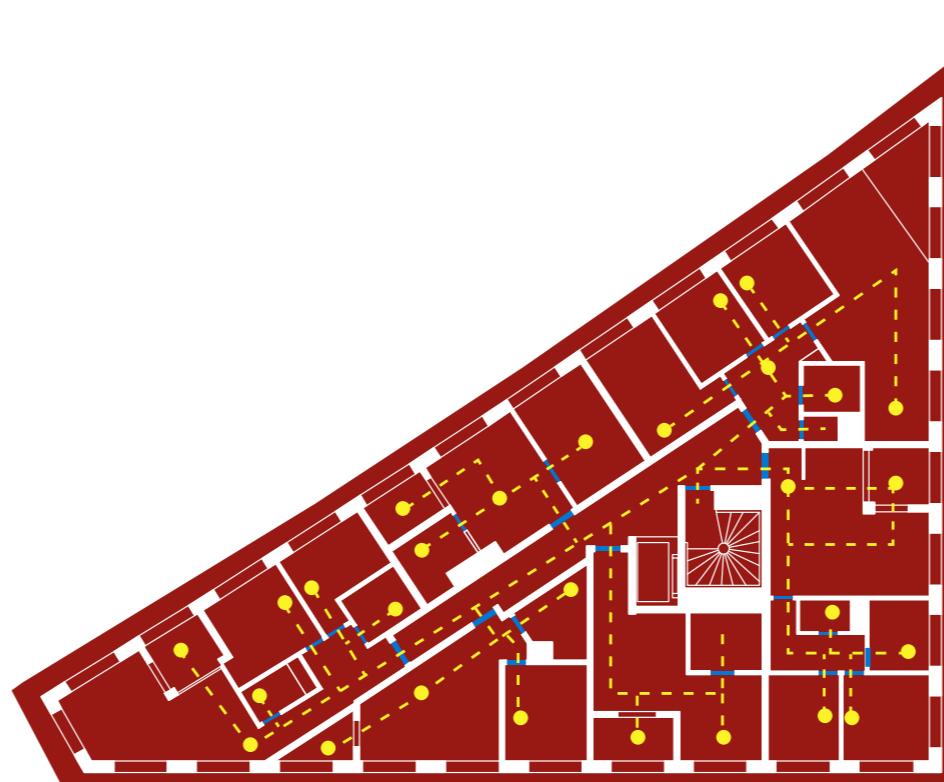
Structural clarity

0 35 m

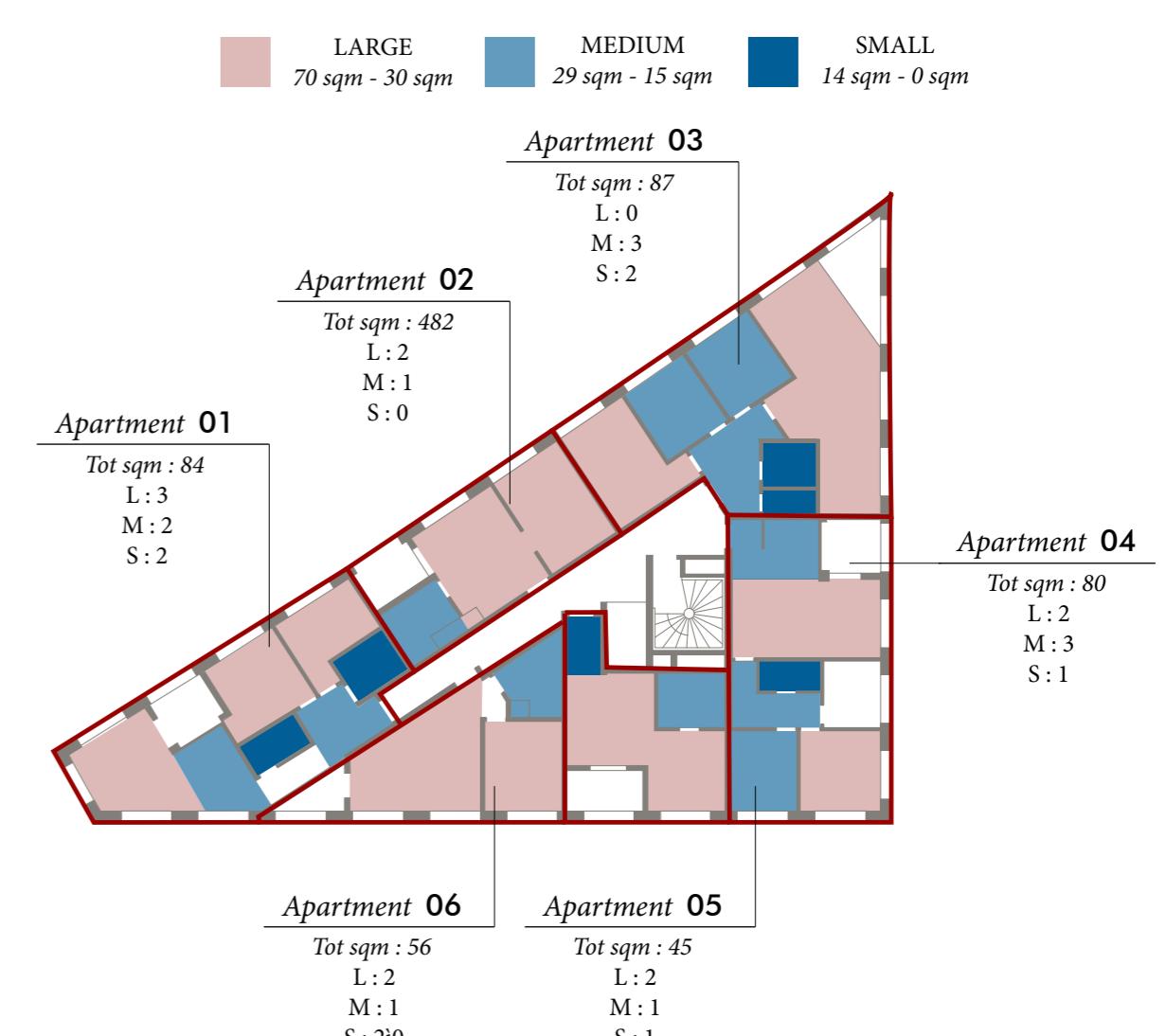
Block vertical porosity



Facade grid regularity

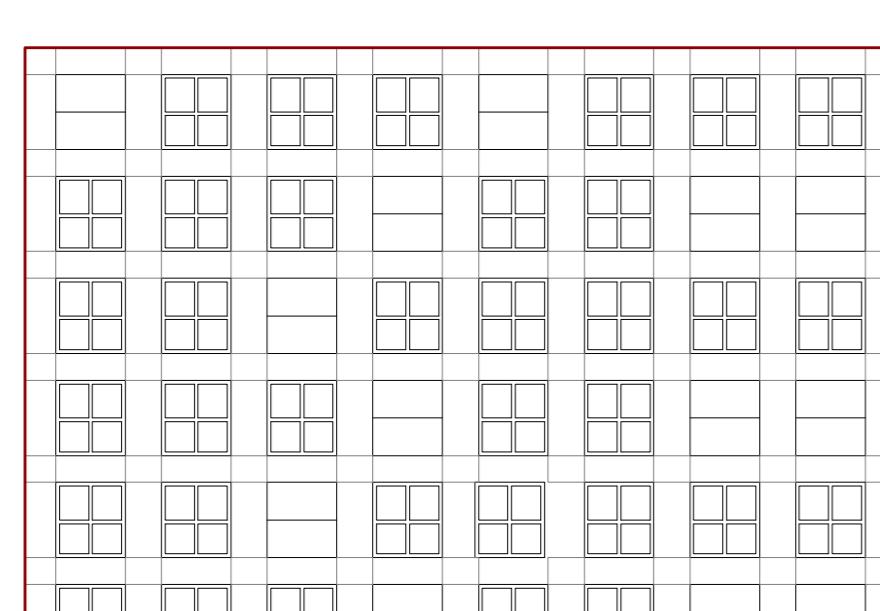


Circular distribution

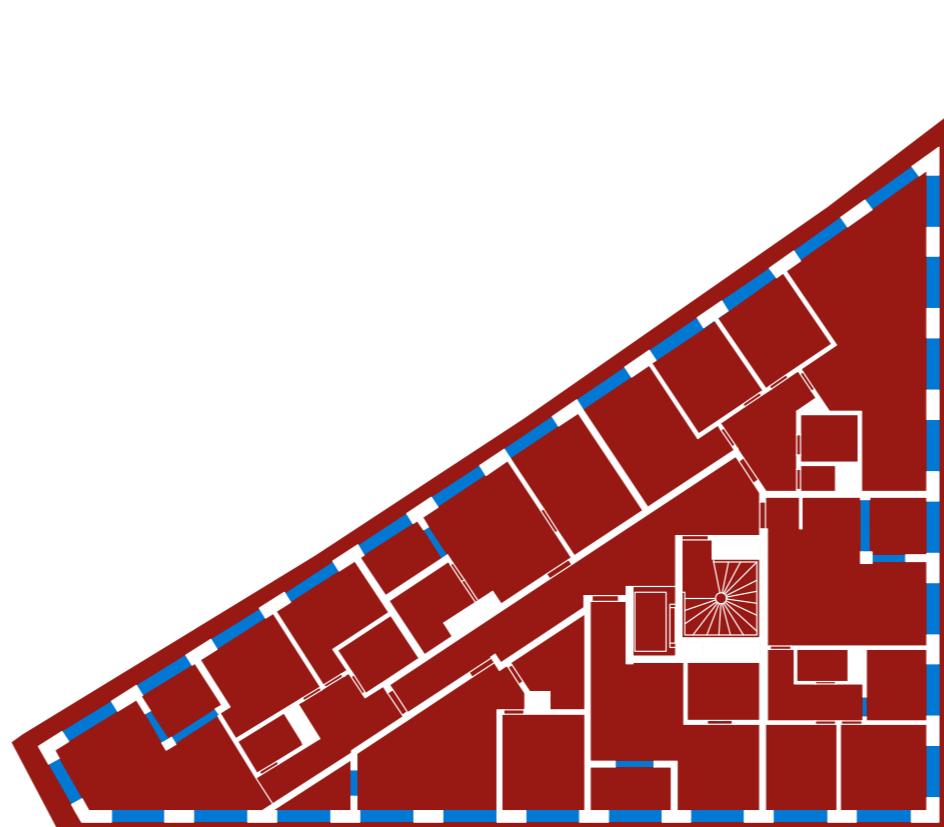


Plan composition

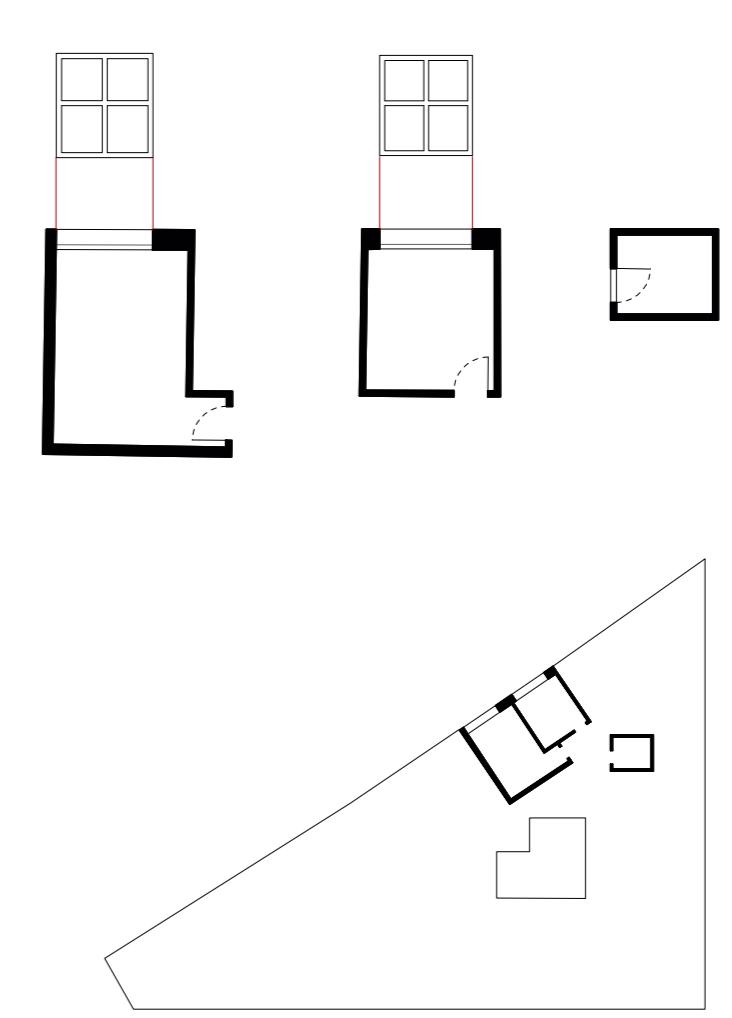
L (20 Sqm) M (13 Sqm) S (5 Sqm)



Facade composition



Windows redundancy



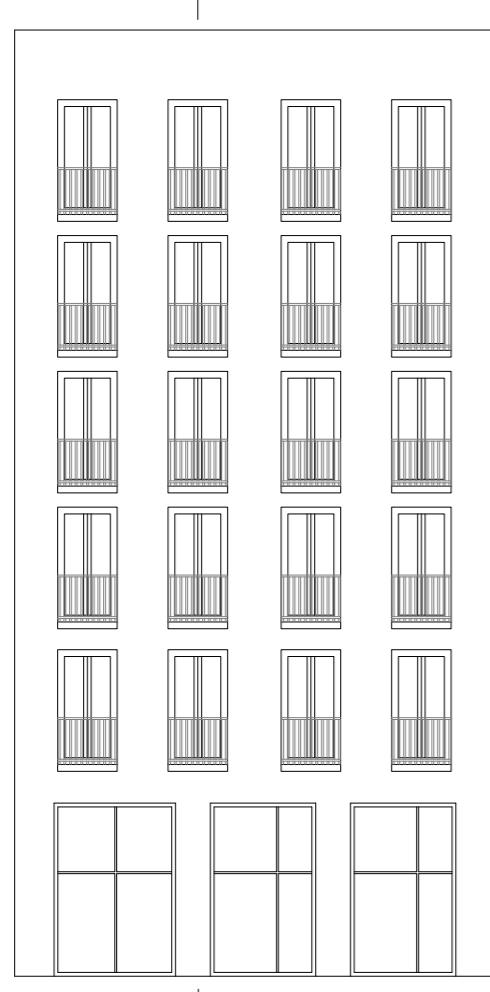
Rooms and windows Hyerarchy

MAPPING CHARACTERISTICS

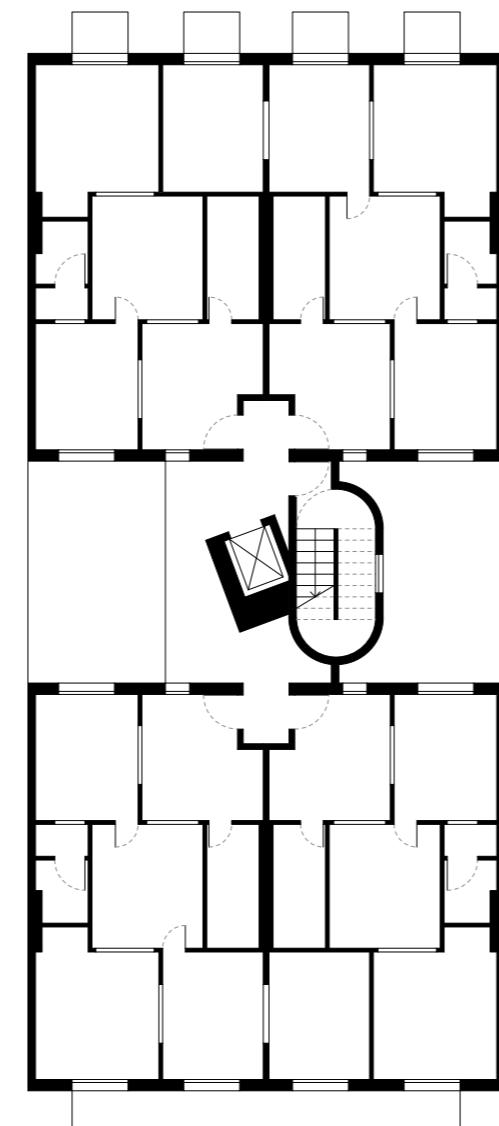
111 Rooms, 203, Carrer de Provença

Barcelona, Spain, 2016

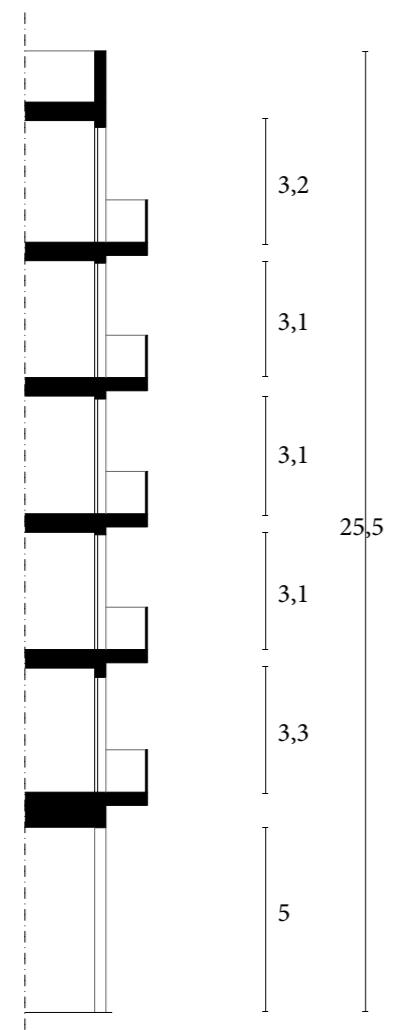
Architect : Maio Architects



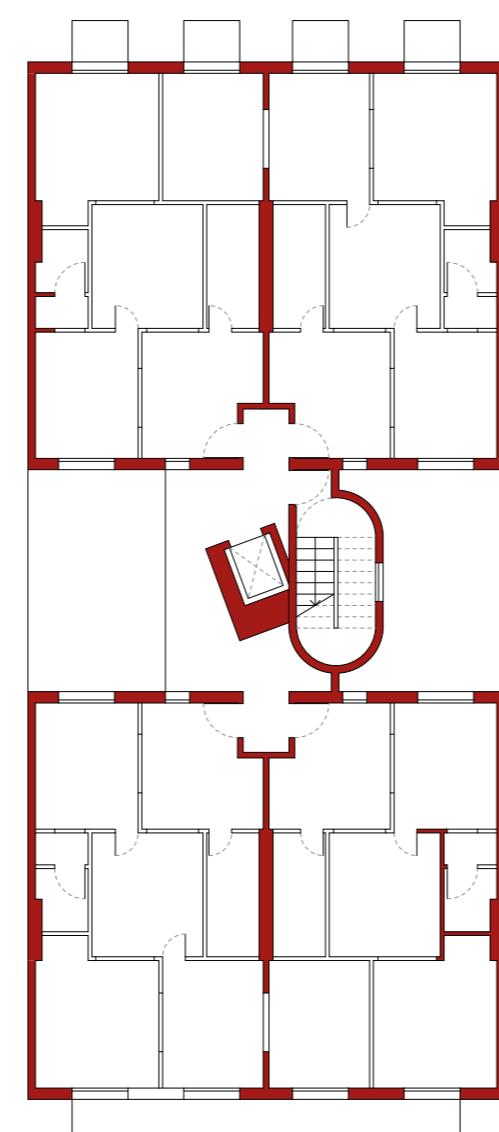
Elevation



Typical residential floor plan



Height difference



Structural clarity

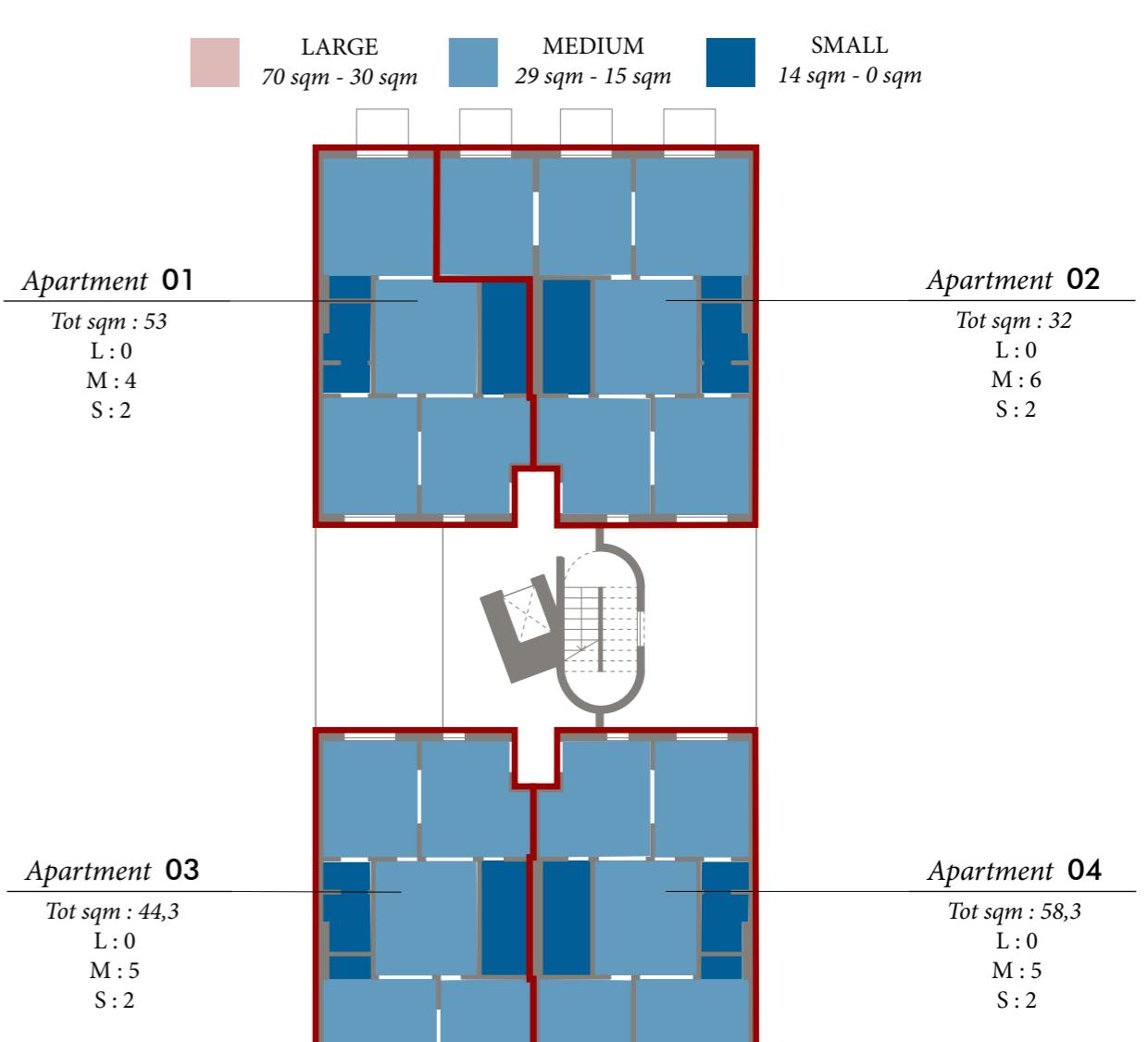


Carrer del Rosselló

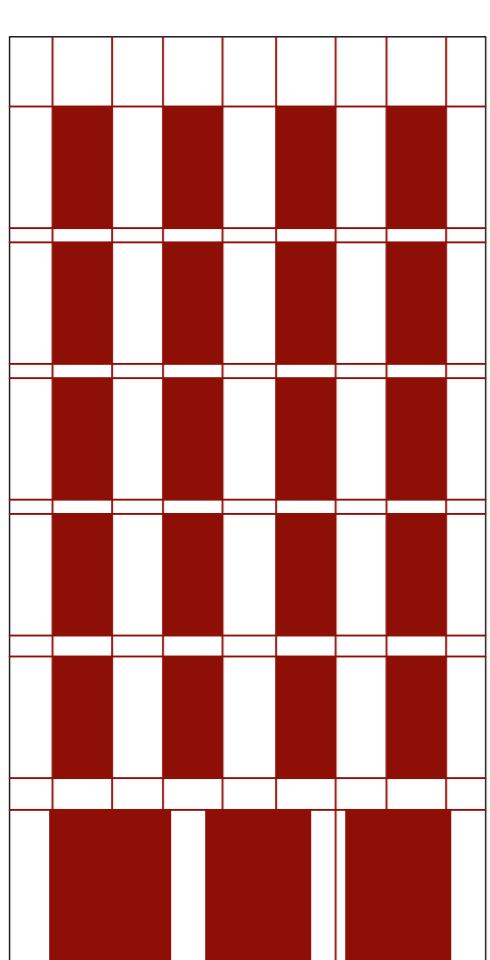
Carrer d'Enric Granados

Carrer de Balmes

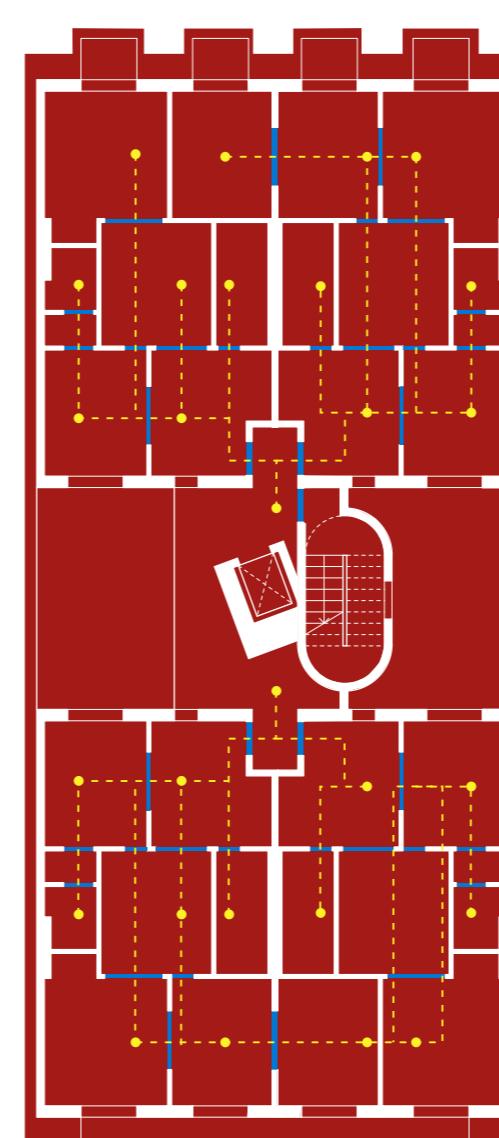
○ 0 25 m
Block vertical porosity



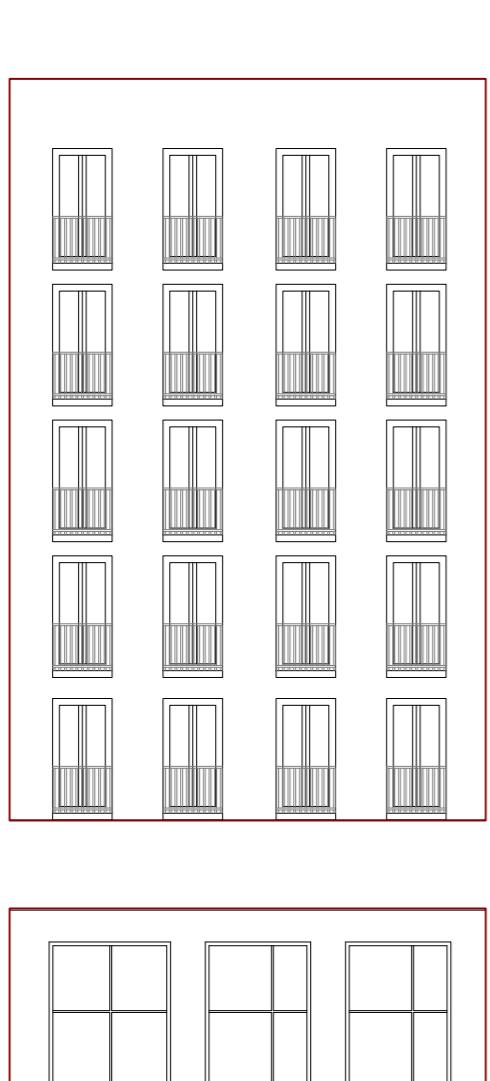
Plan composition



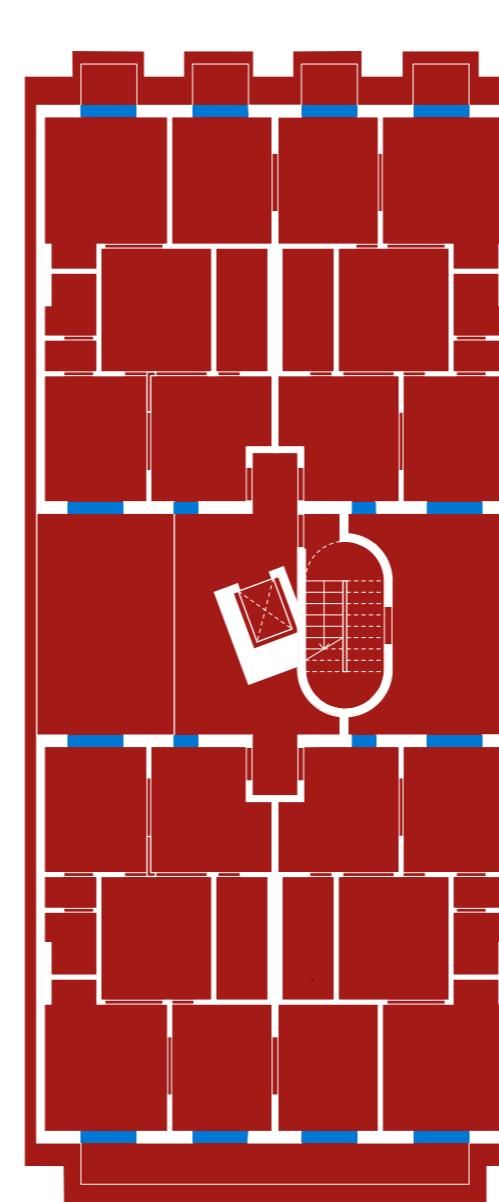
Facade grid regularity



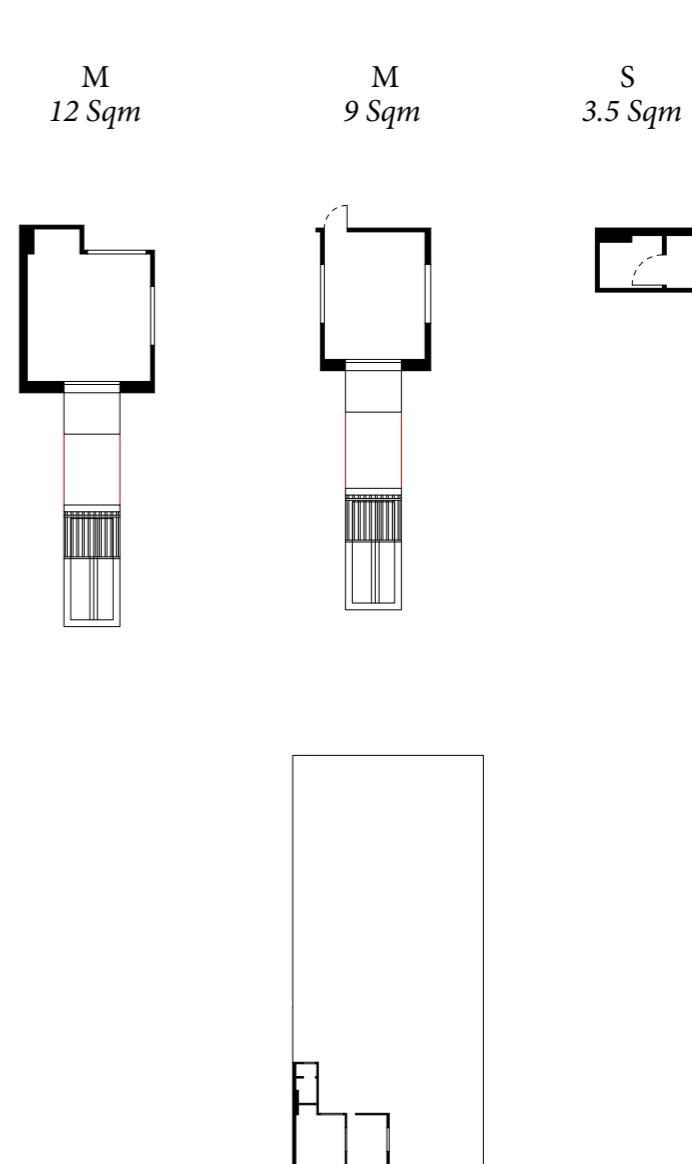
Circular distribution



Facade composition



Windows redundancy

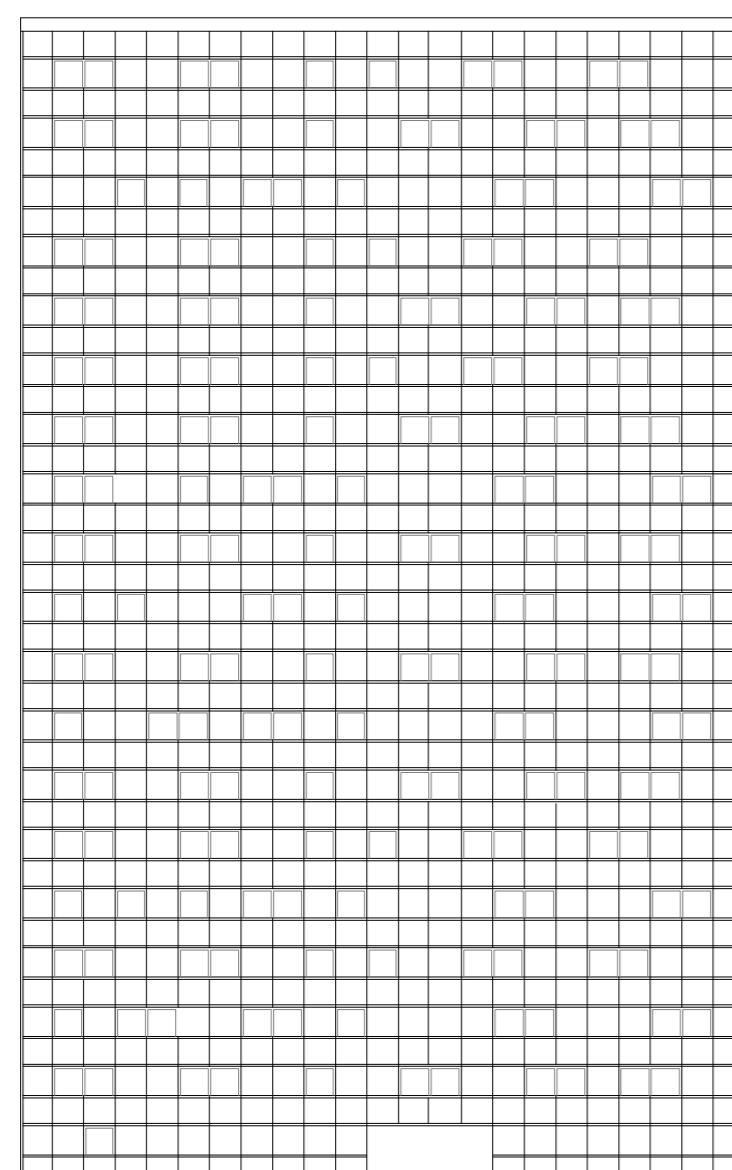


Rooms and windows Hierarchy

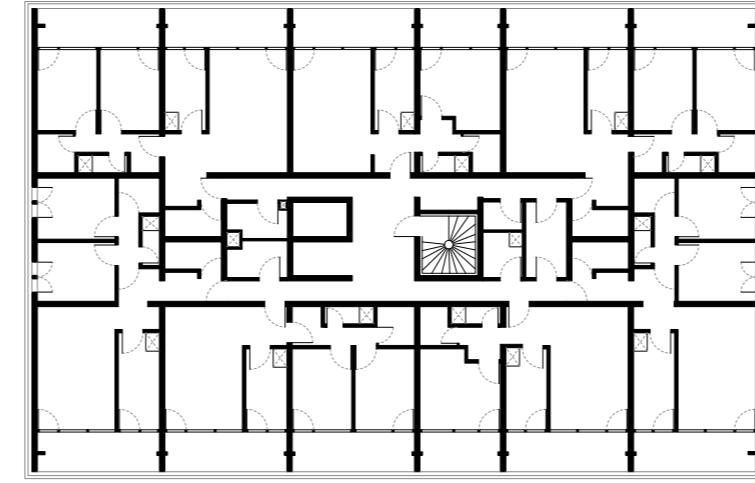
MAPPING CHARACTERISTICS

Urban Renovation Lormont, Genicart

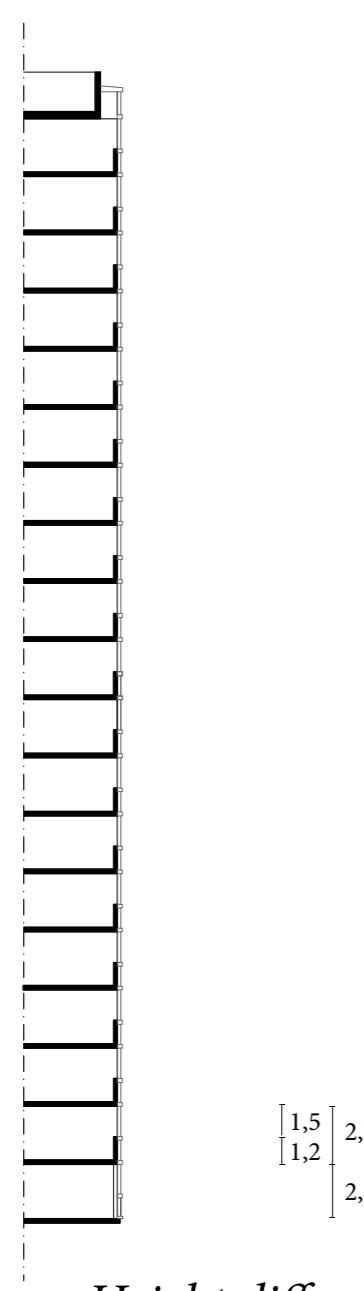
Lormont, France, 2014
Architects : LAN Architecture



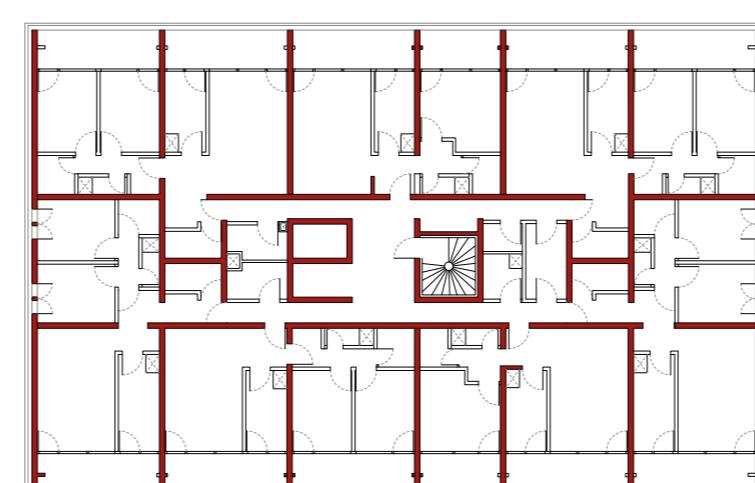
Elevation



Typical residential floor plan



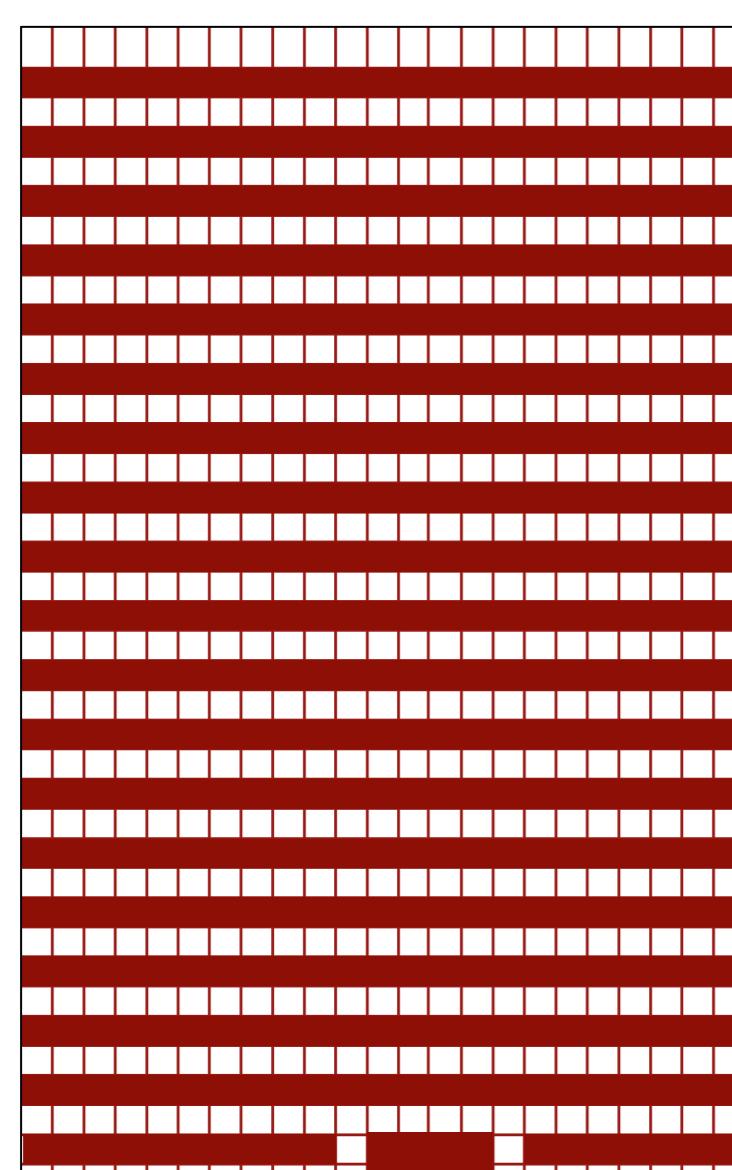
Height difference



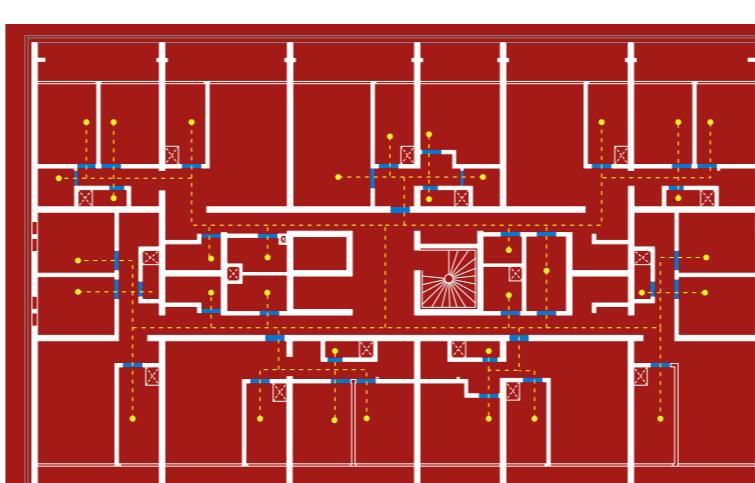
Structural clarity



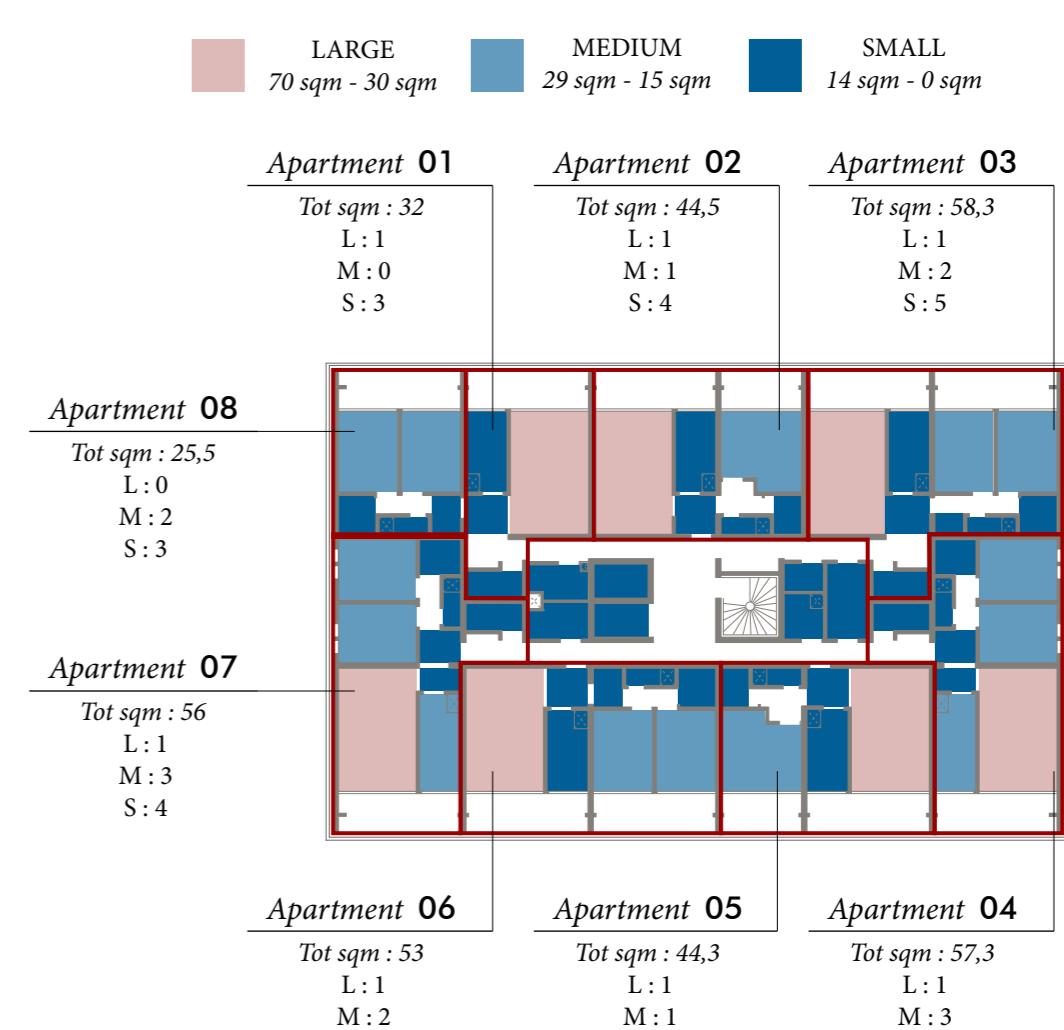
Block vertical porosity



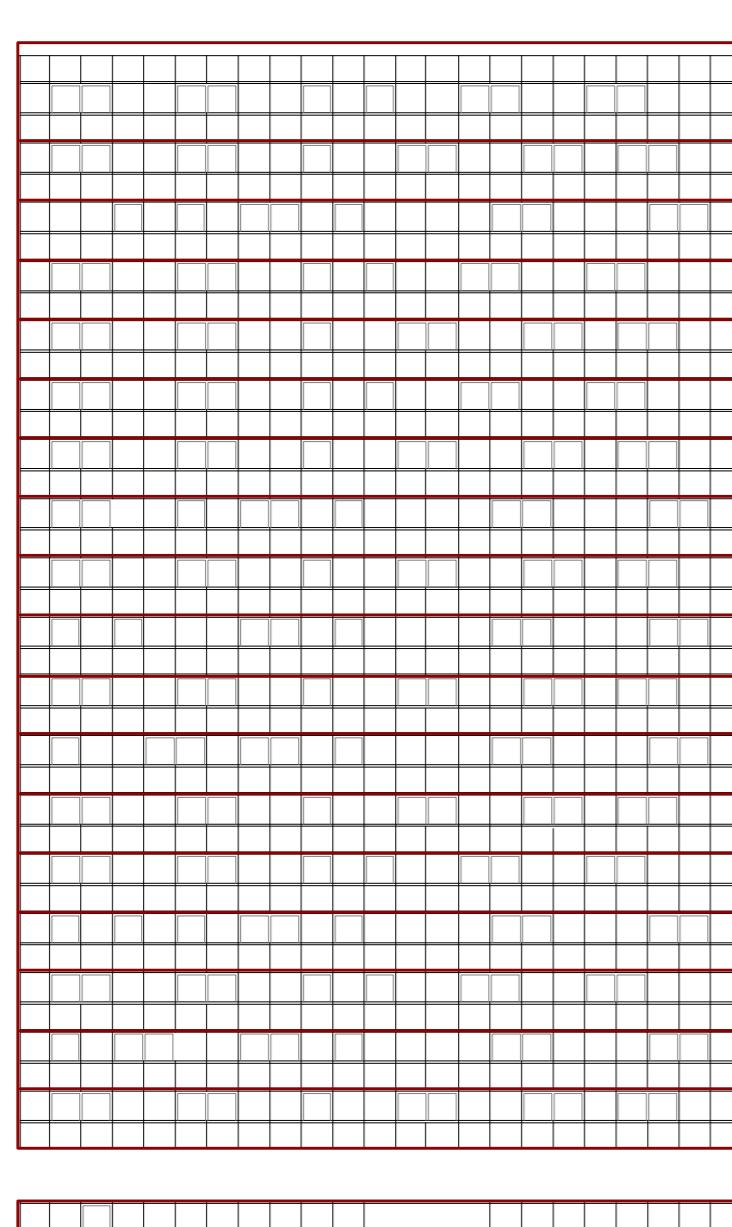
Facade grid regularity



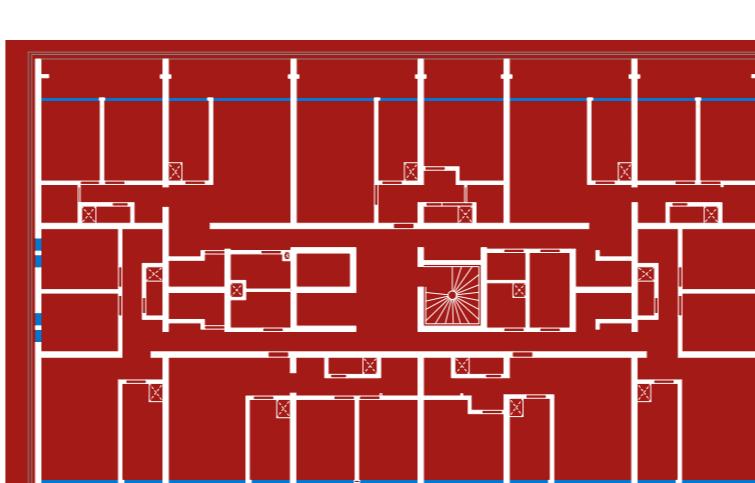
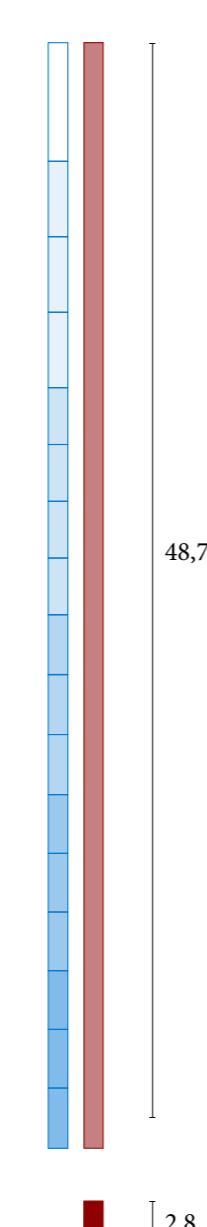
Circular distribution



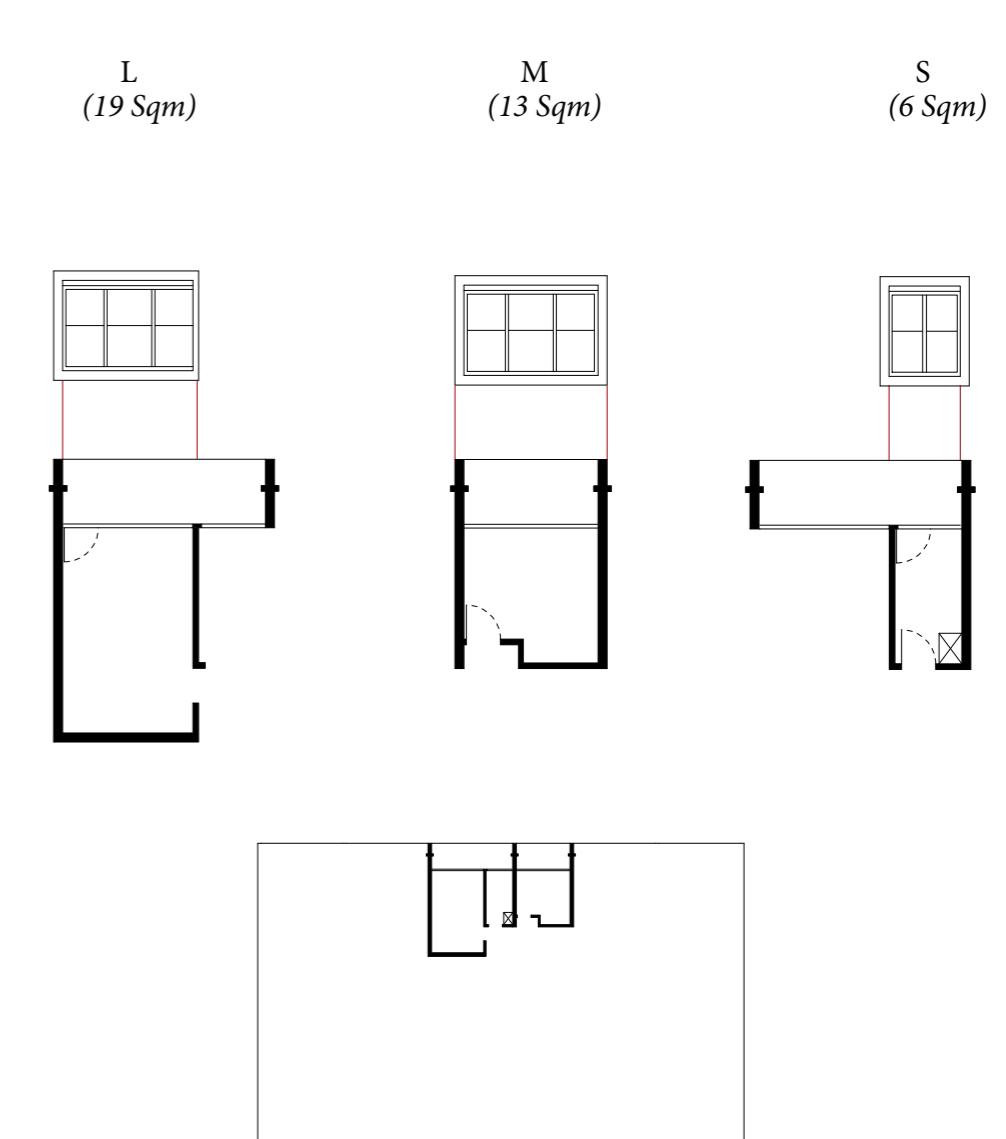
Plan composition



Facade composition



Windows redundancy



Rooms and windows Hyerarchy

ANALYSIS

Piano Beruto

Milan, Italy, Lazzaretto District



0 4000 m



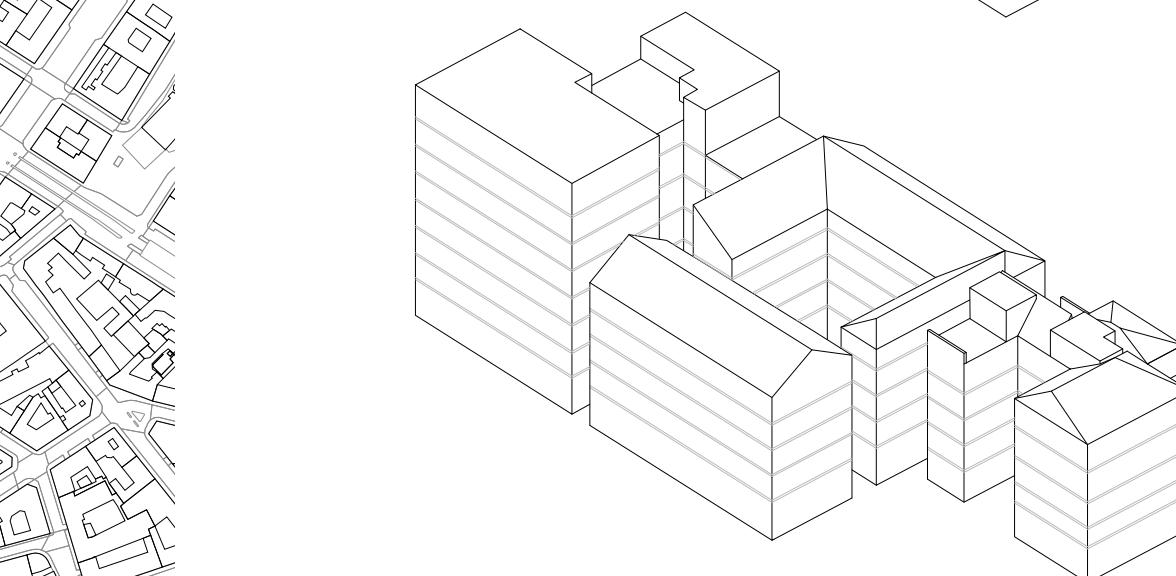
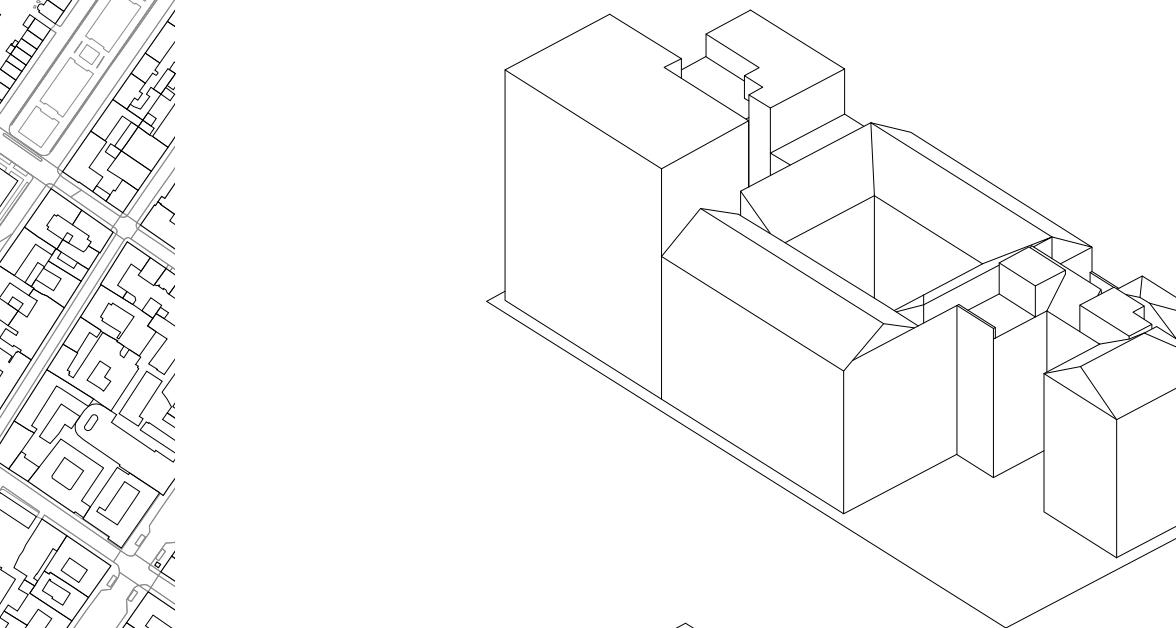
0 1000 m

0 1000 m

0 200 m

0 40 m

ZERO TYPE

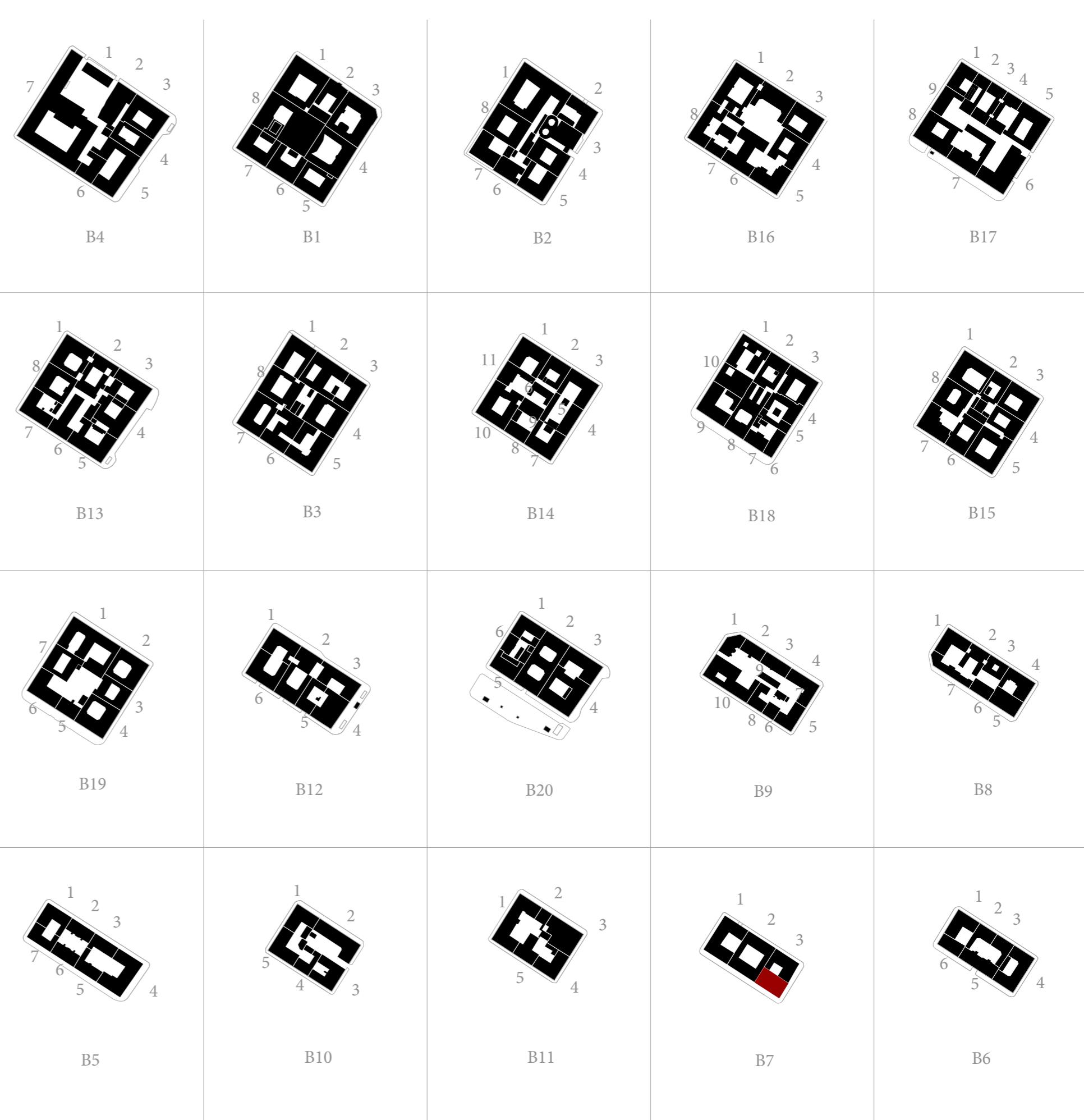
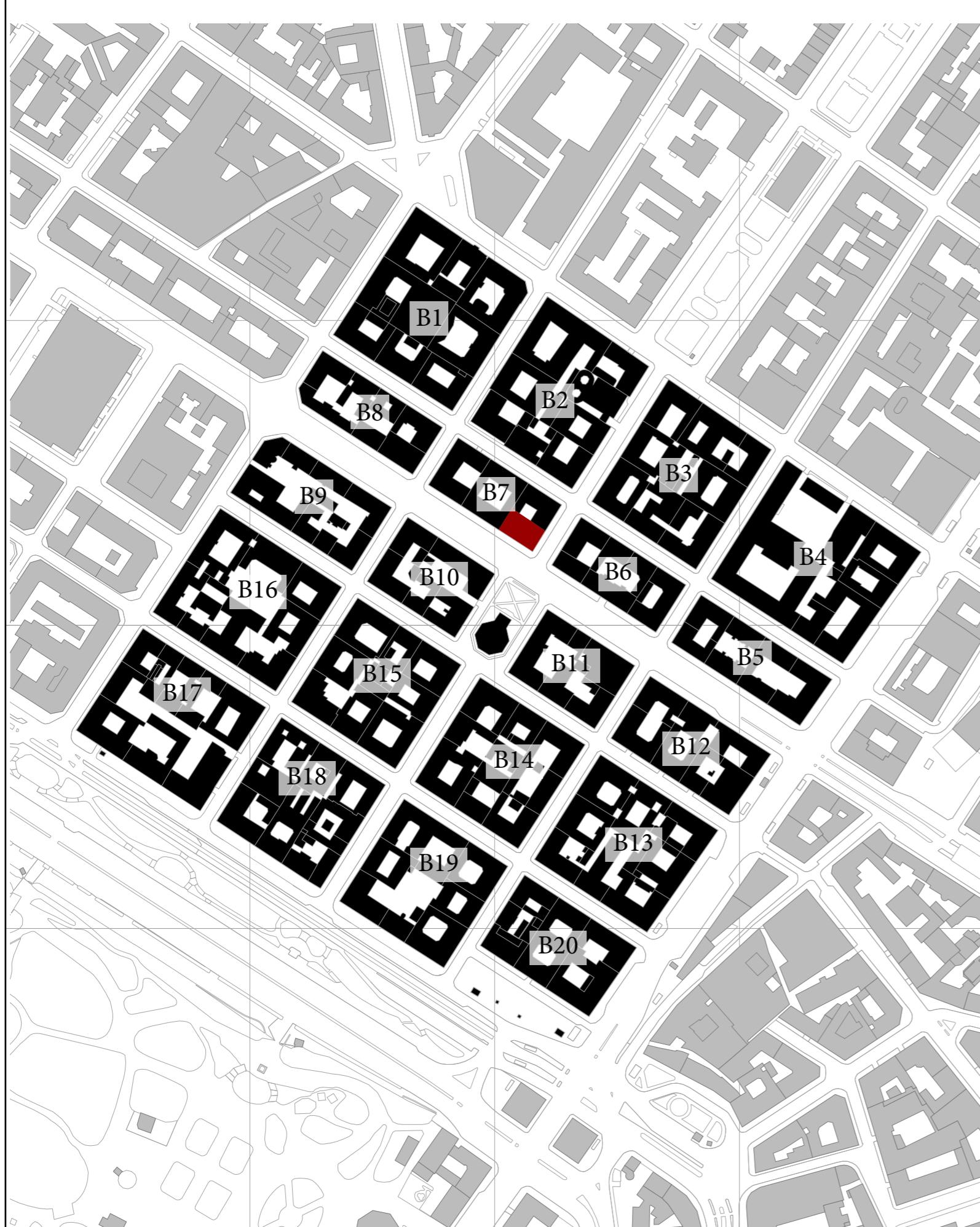


33, Cas d'Ausiàs Marc

MAPPING TYPOLOGIES

Lazzaretto neighborhood, blocks and typologies classification

0 200 m



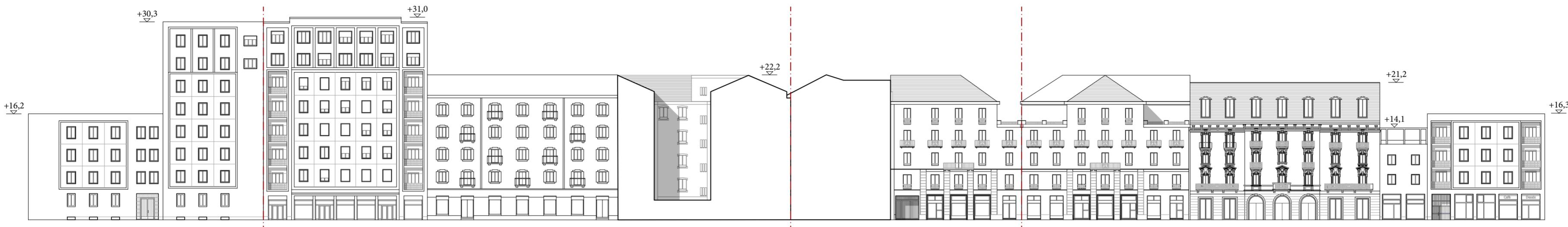
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□	B19O2	B4O3	B16O3	B13O2	B18O3	B15O6	B15O8	B3O7	B1O5	B1O4	B4O4	B19O7	B19O3	B18O2	B15O4	B15O2	B14O2	B8O3	
c	B4C5	B11C1	B17C7	B5C4	B7C1	B1C7	B3C1	B5C4	B18C1	B16C2	B14C1	B14C3	B12C6	B14C7	B1C6	B2C5	B10C3	B20C3	B12C3
z	B17C3	B17C4	B12C1	B17C2	B8C4	B3C3	B1C2	B18C4	B12C5	B7C3	B8C2	B17C1	B4C6	B5C1	B5C7	B9C8	B18C5	B10C4	B14C6
l	B17L6	B10L2	B3L5	B13L3	B15L7	B13L6	B8L7	B18L9	B9L4	B19L6	B13L7	B16L4	B2L2	B10L5	B2L7	B11L4	B7L1	B6L1	B9L5
h	B10L1	B14L11	B17L9	B20L1	B5L5	B11L5	B5L3	B6L2											
i	B4I2	B6I5	B14I4	B4I1	B14I5	B9I3	B20I5	B18I6	B5I2	B5I6	B6I6	B14I8	B8I6	B9I2	B14I9	B18I7	B19I5	B20I6	B9I9
x	B4X7	B2X1	B19X1	B16X1	B12X2	B18X8	B3X2	B9X10	B3X6	B16X6	B13X5	B16X8	B13X4	B16X4	B16X7	B11X2			
d	B2D3	B12D4	B11D3	B18D10	B8D5	B2D6	B9D1	B9D6	B9D7										

FACADE COMPOSITION

Open box neighborhood analysis

0 20 m

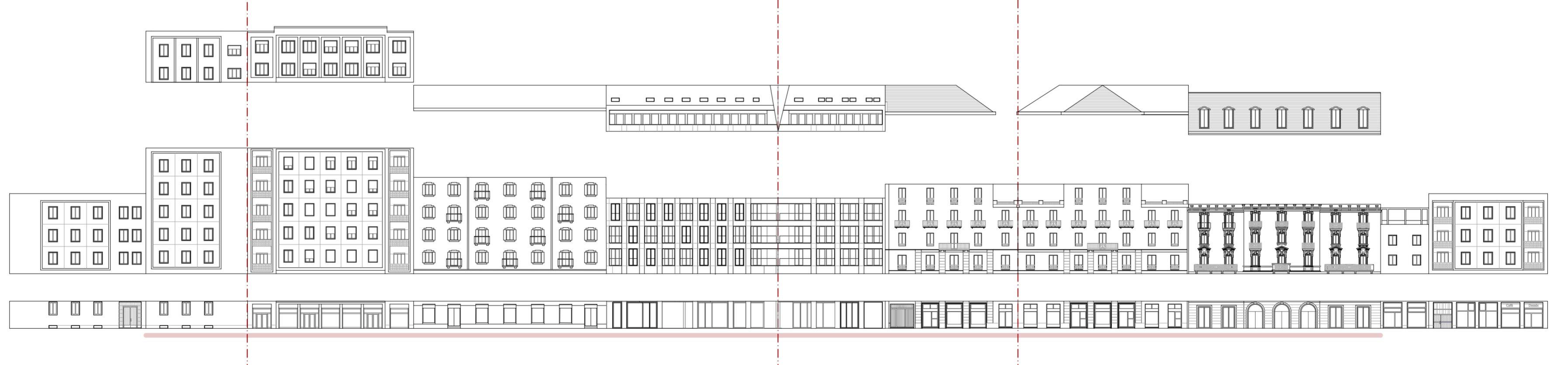
Block elevations



Block elevation | the project



Block facades composition



Block grid regularity

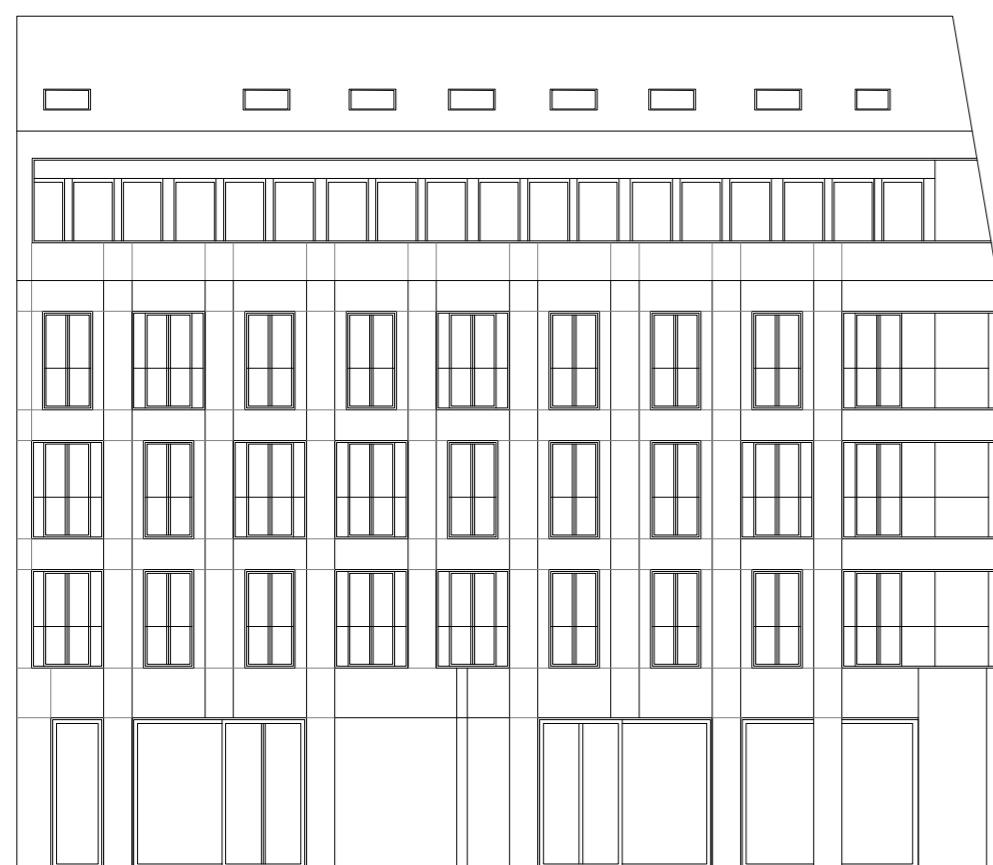


MAPPING CHARACTERISTICS

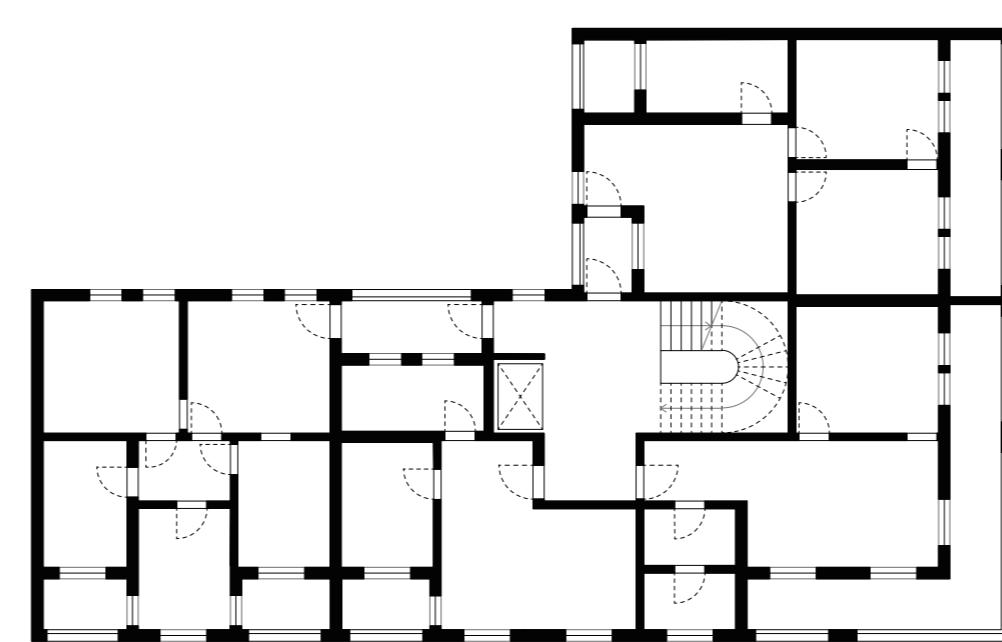
9, Via Lecco

Milan, Italy

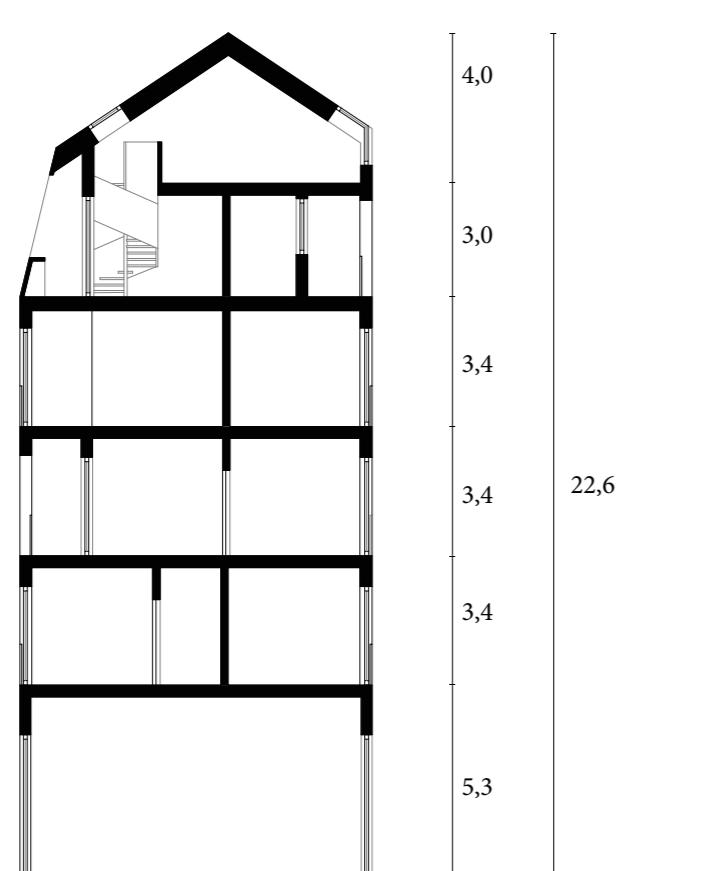
0 10 m



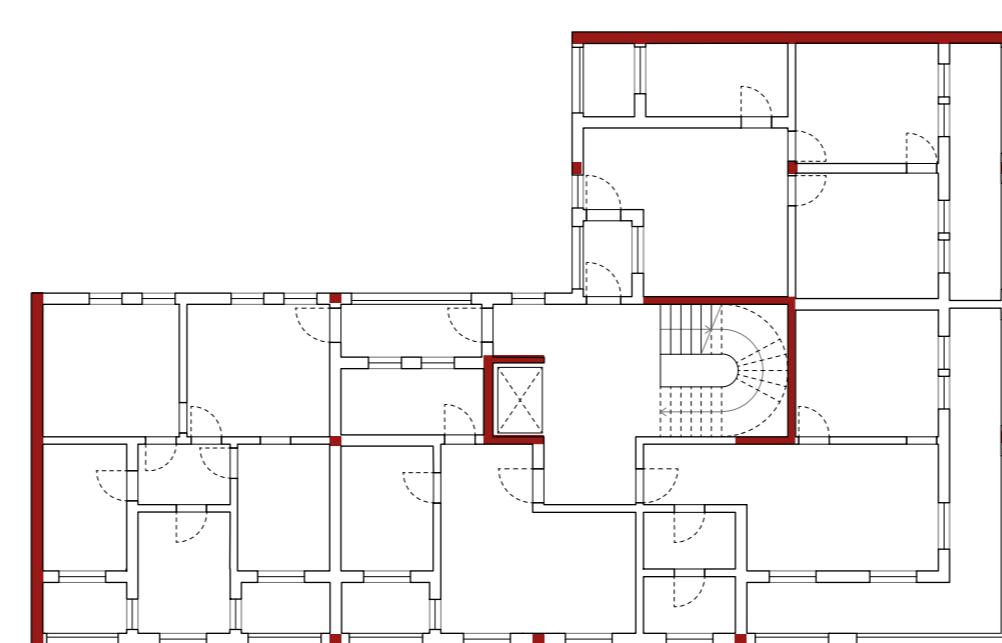
Elevation



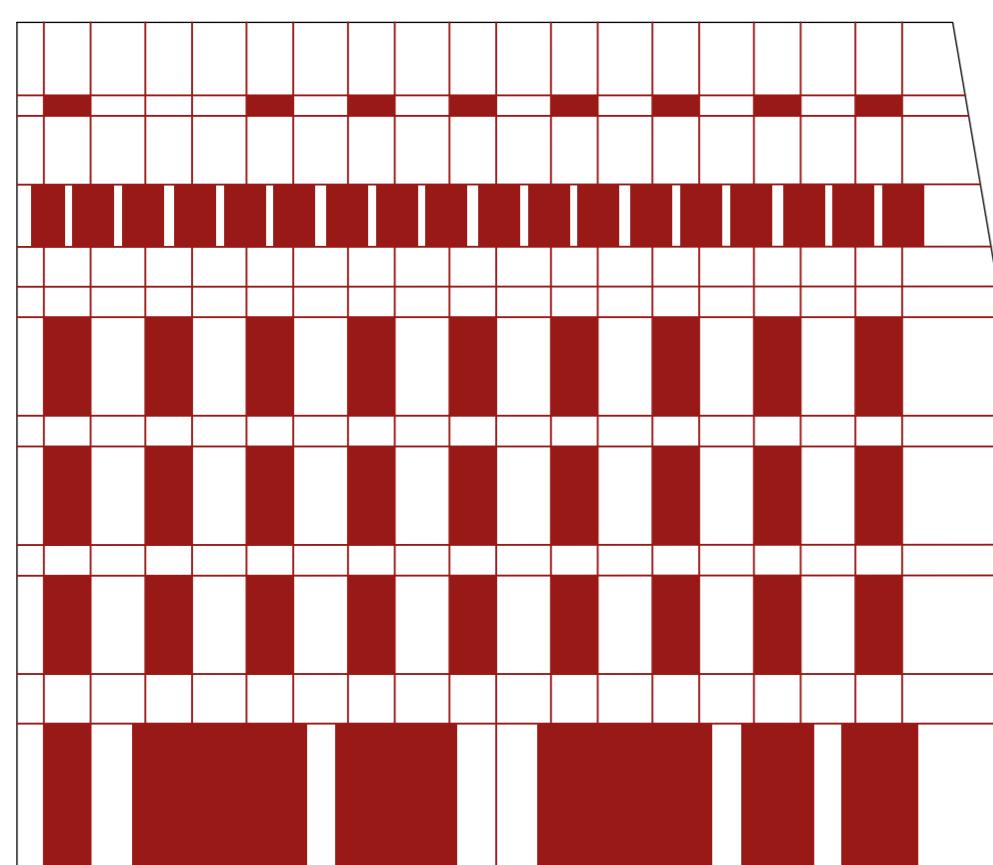
Typical residential floor plan



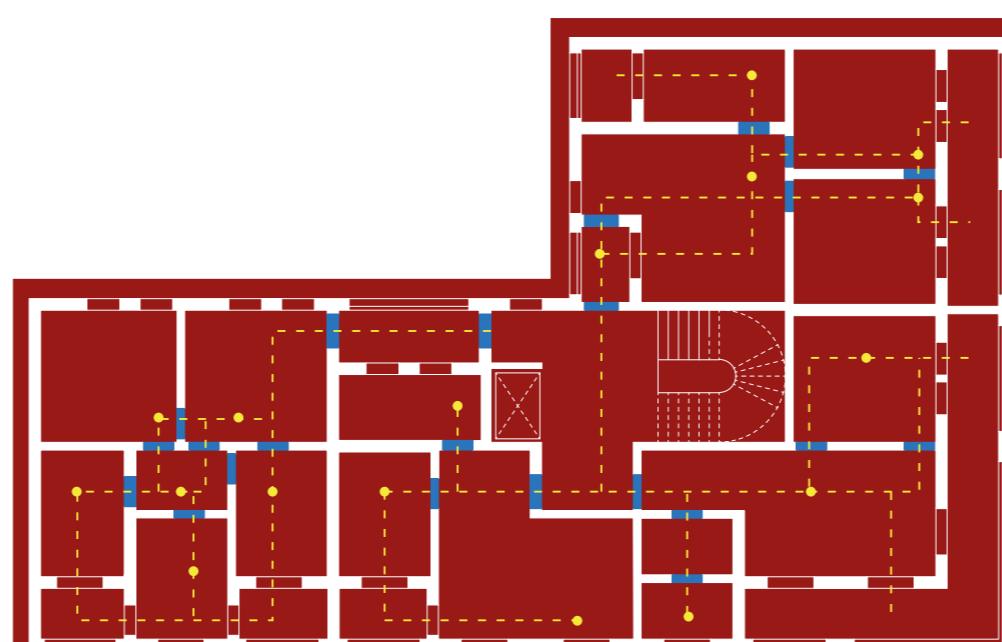
Height difference



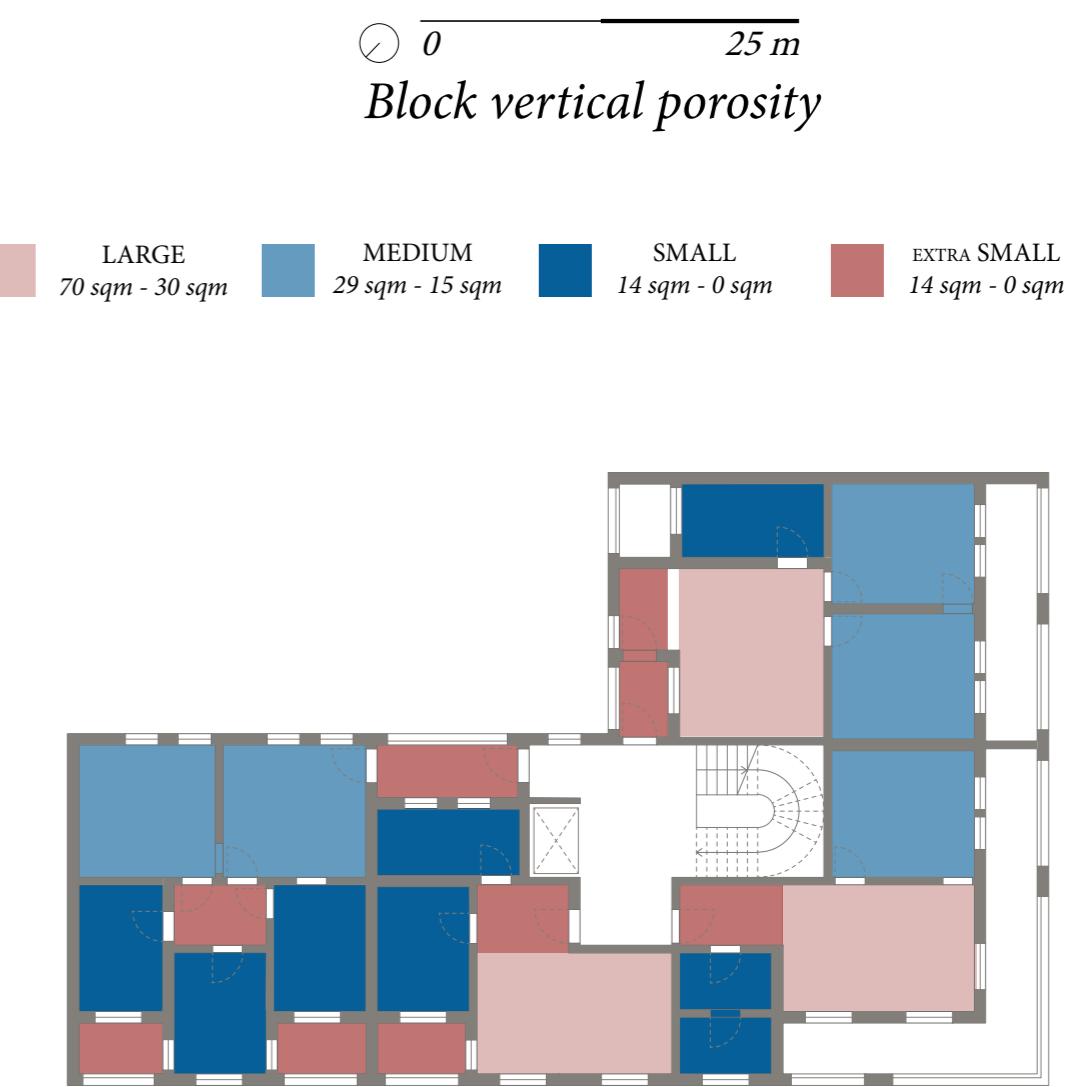
Structural clarity



Facade grid regularity



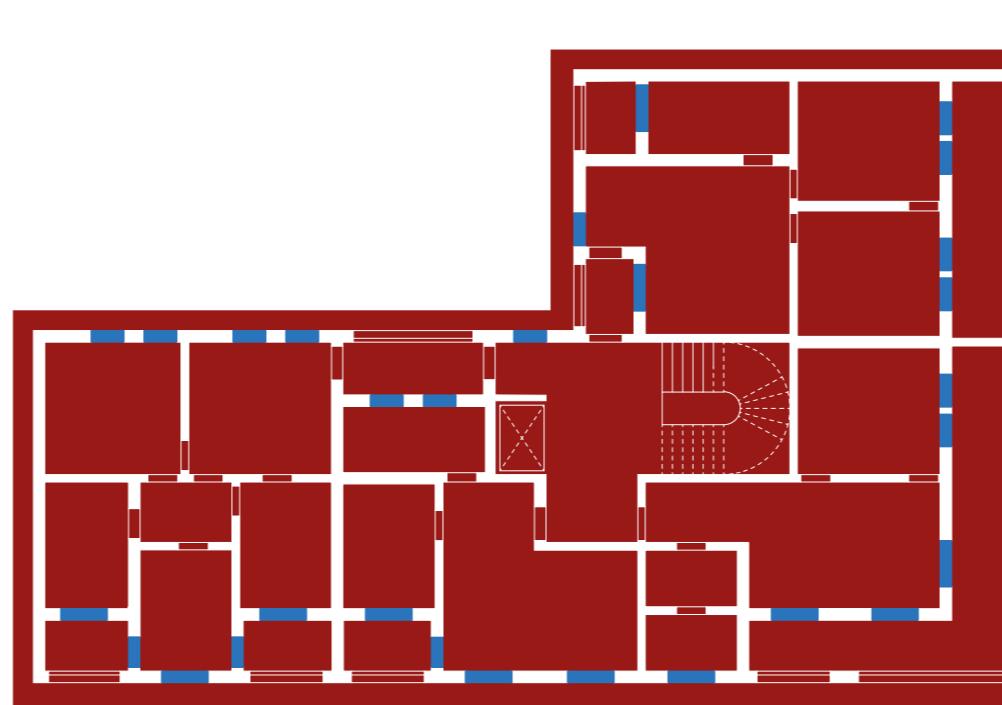
Circular distribution



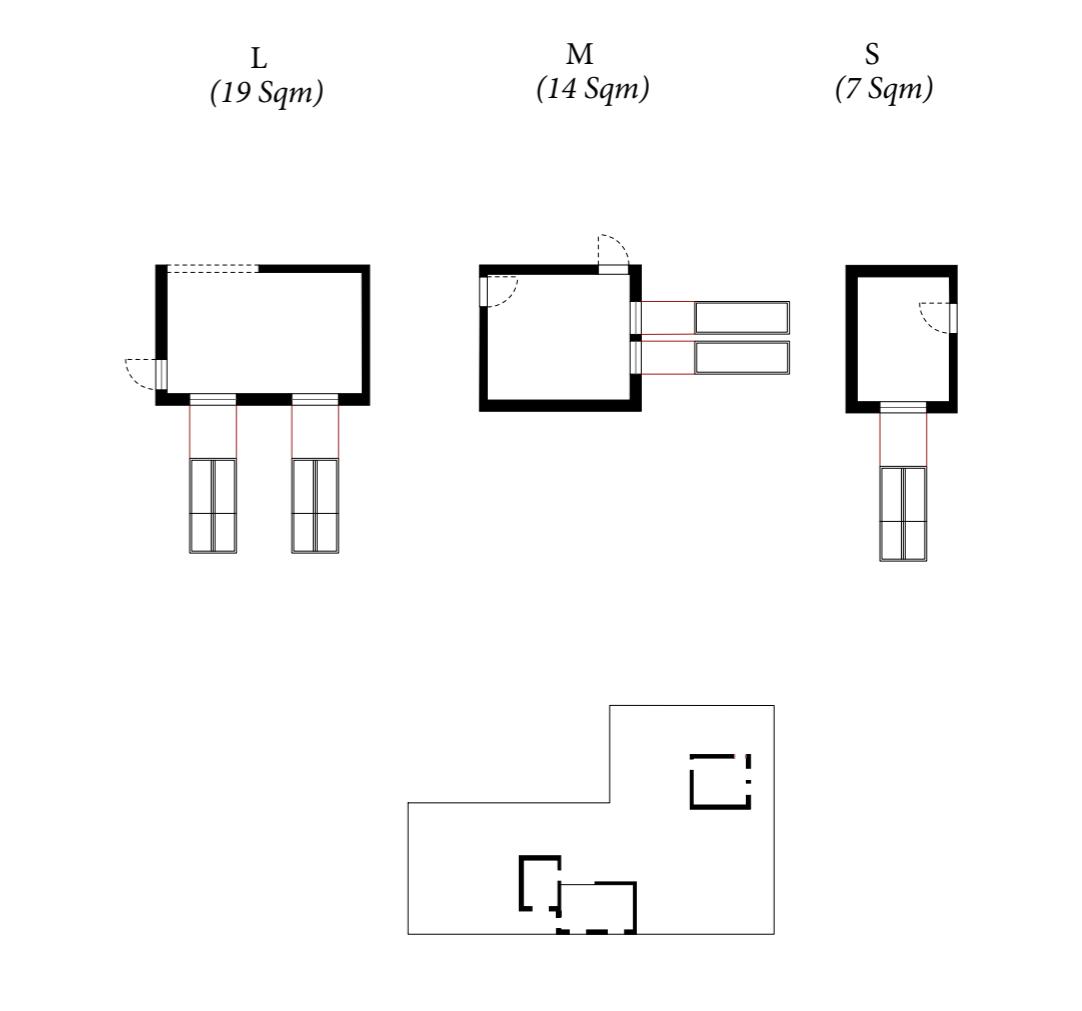
Plan composition



Facade composition



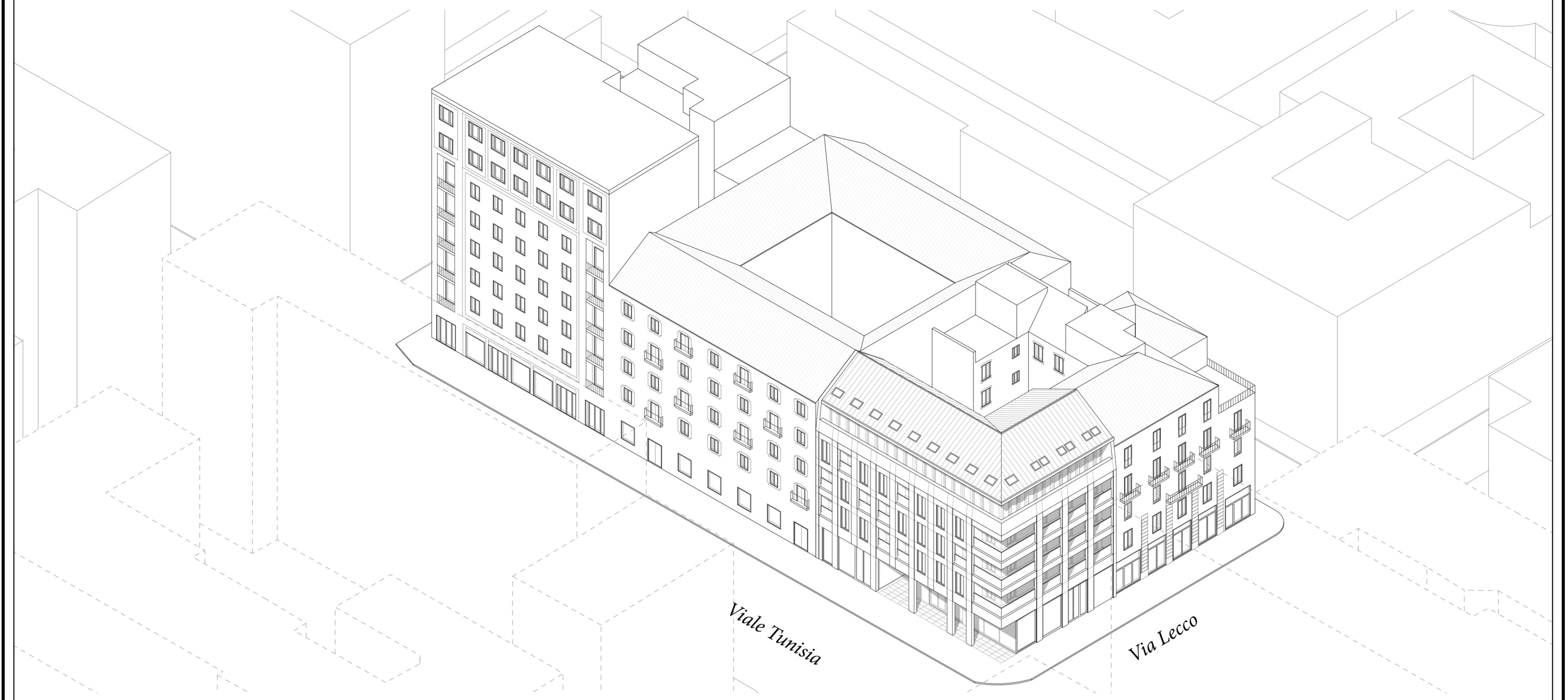
Windows redudance



Rooms and windows Hyerarchy

FACADE COMPOSITION

Axonometries



FACADE COMPOSITION

Elevation

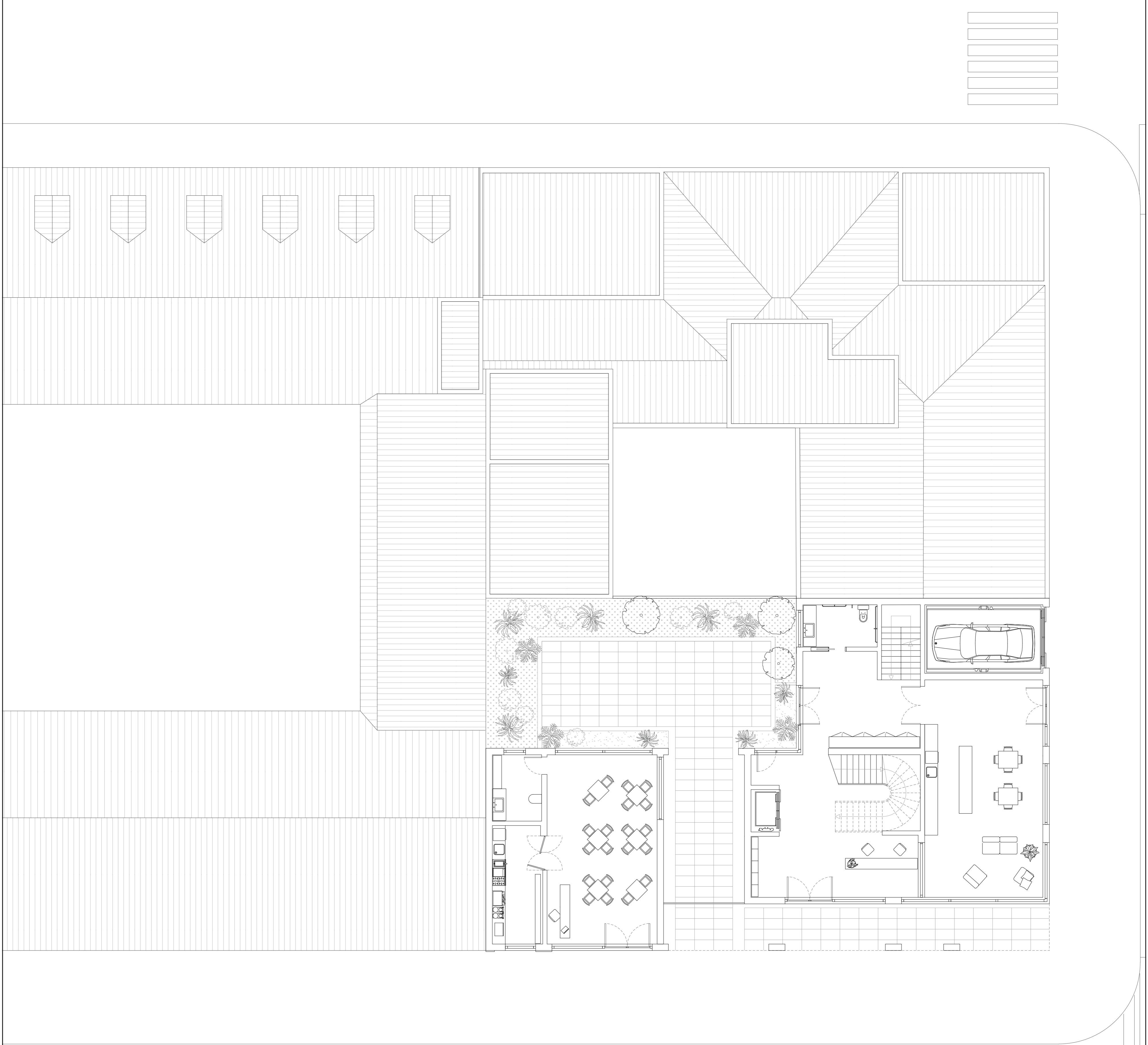
0  4 m



BUILDING COMPOSITION

Groundfloor plan

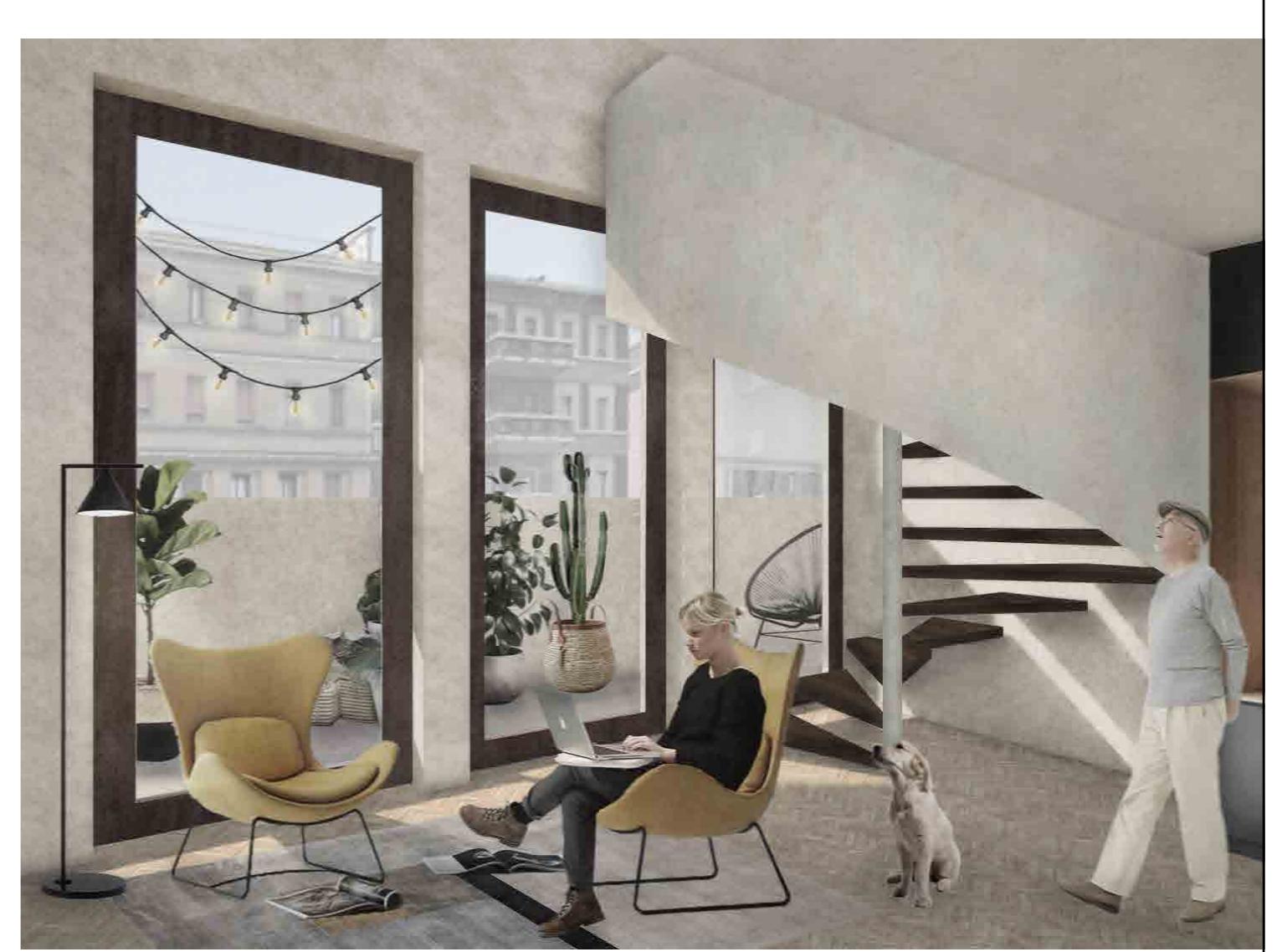
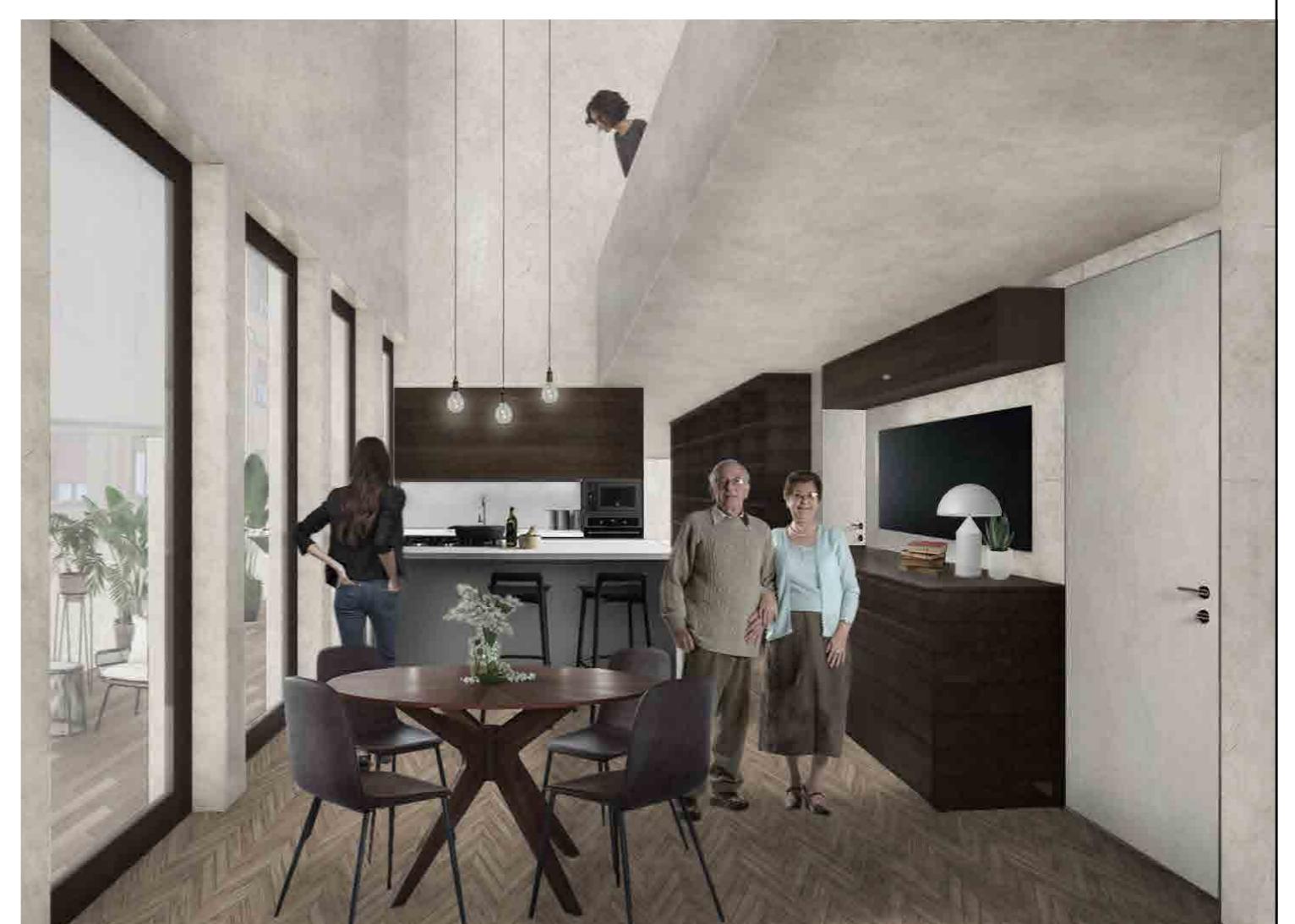
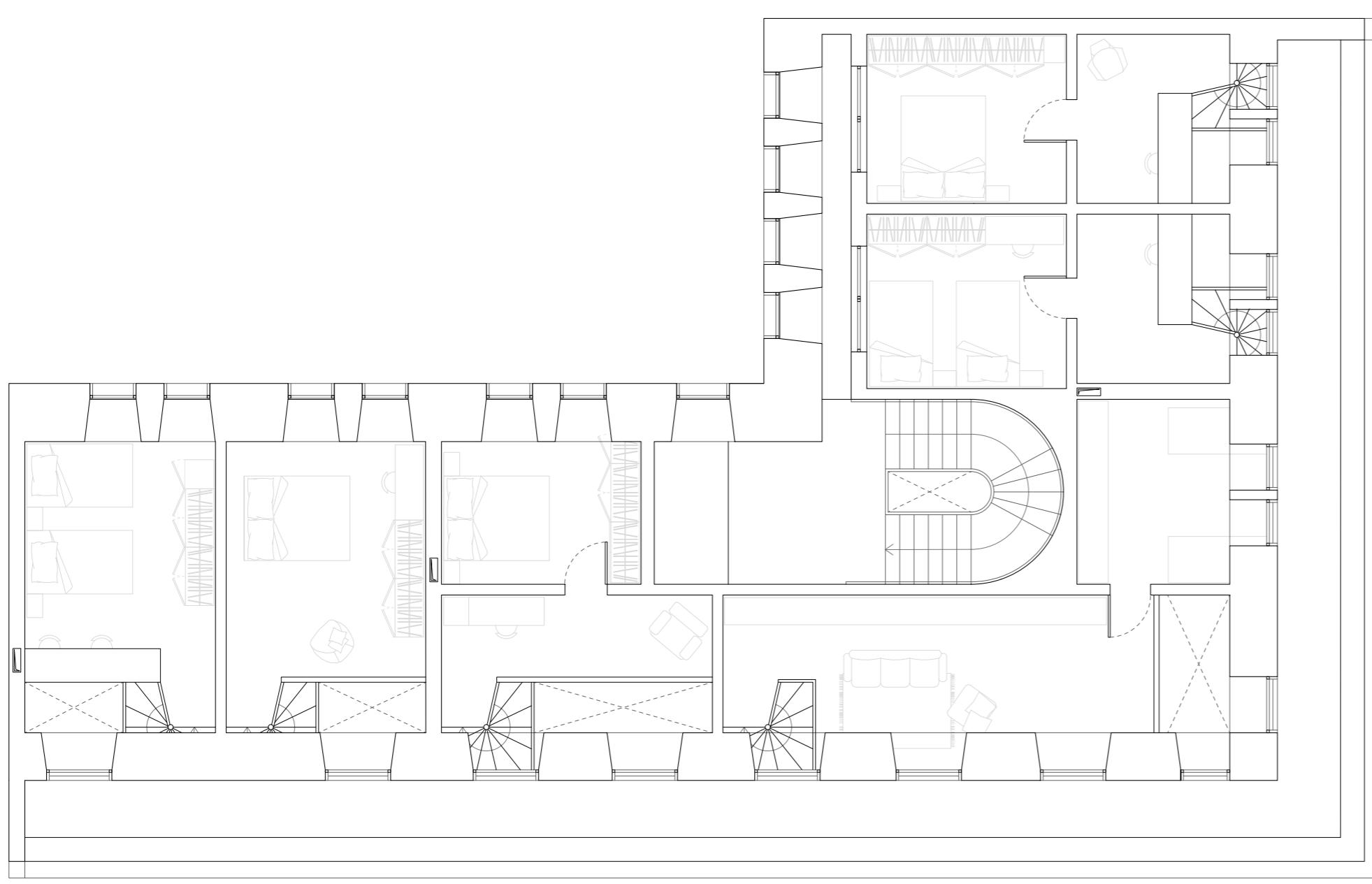
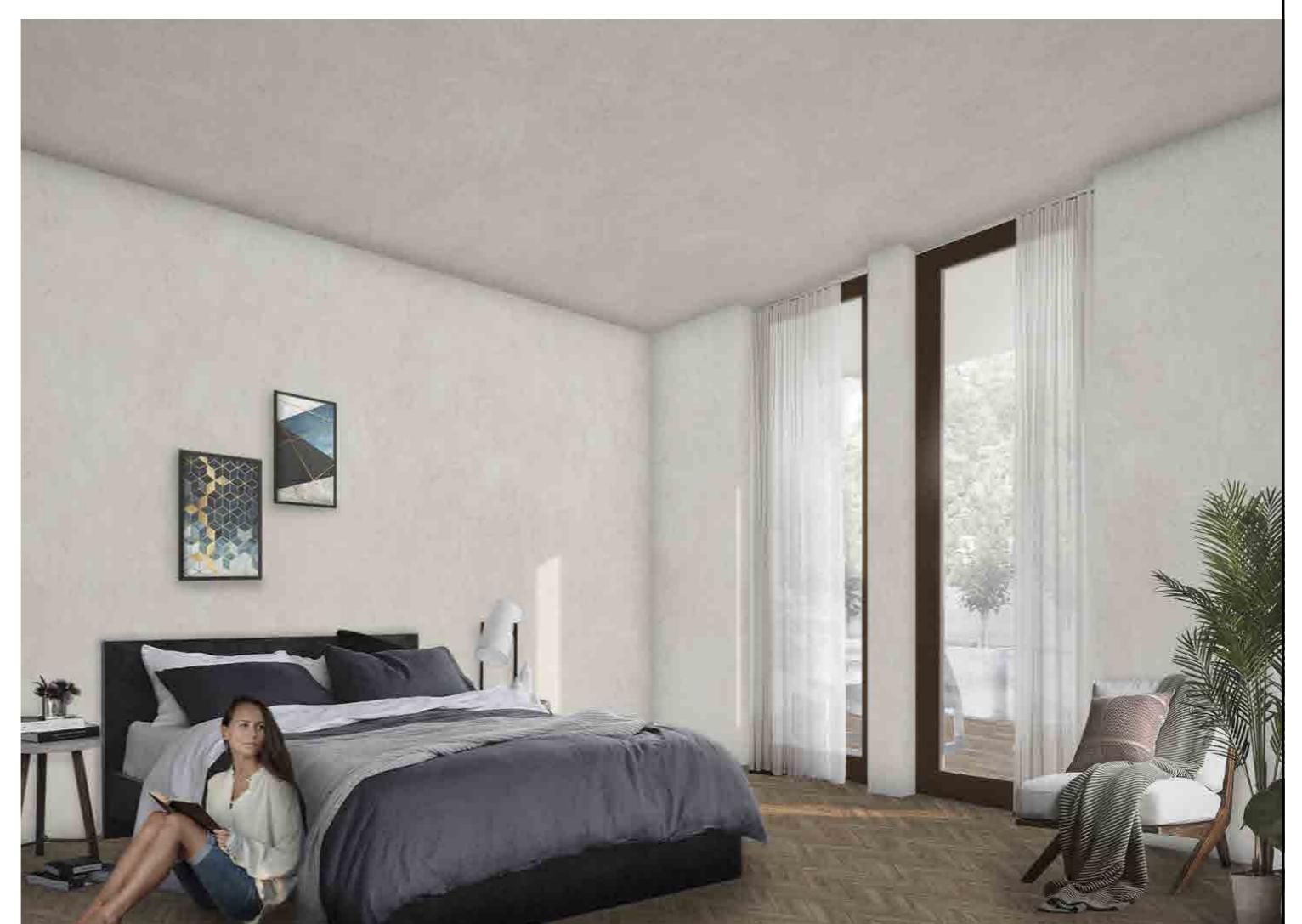
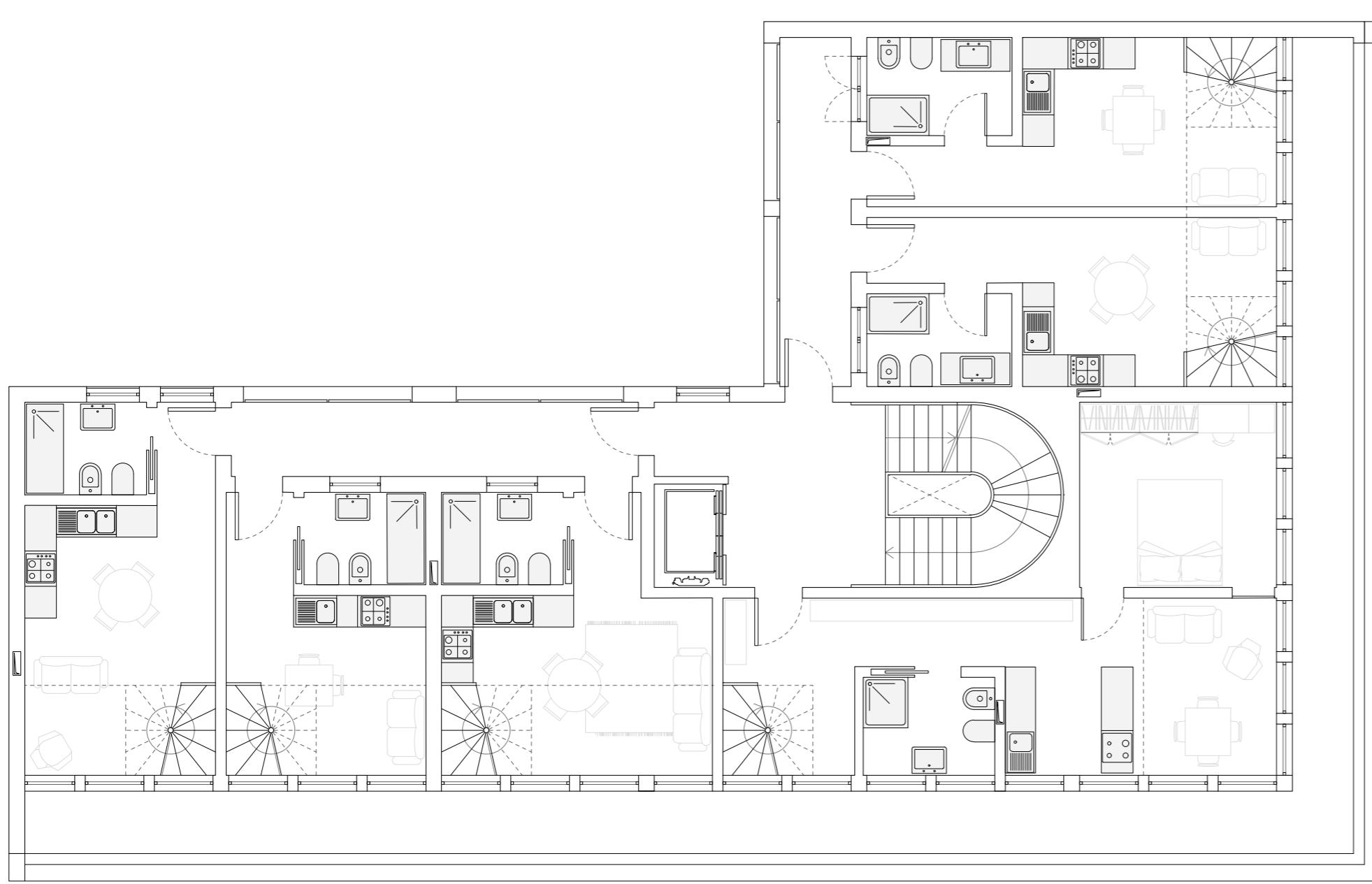
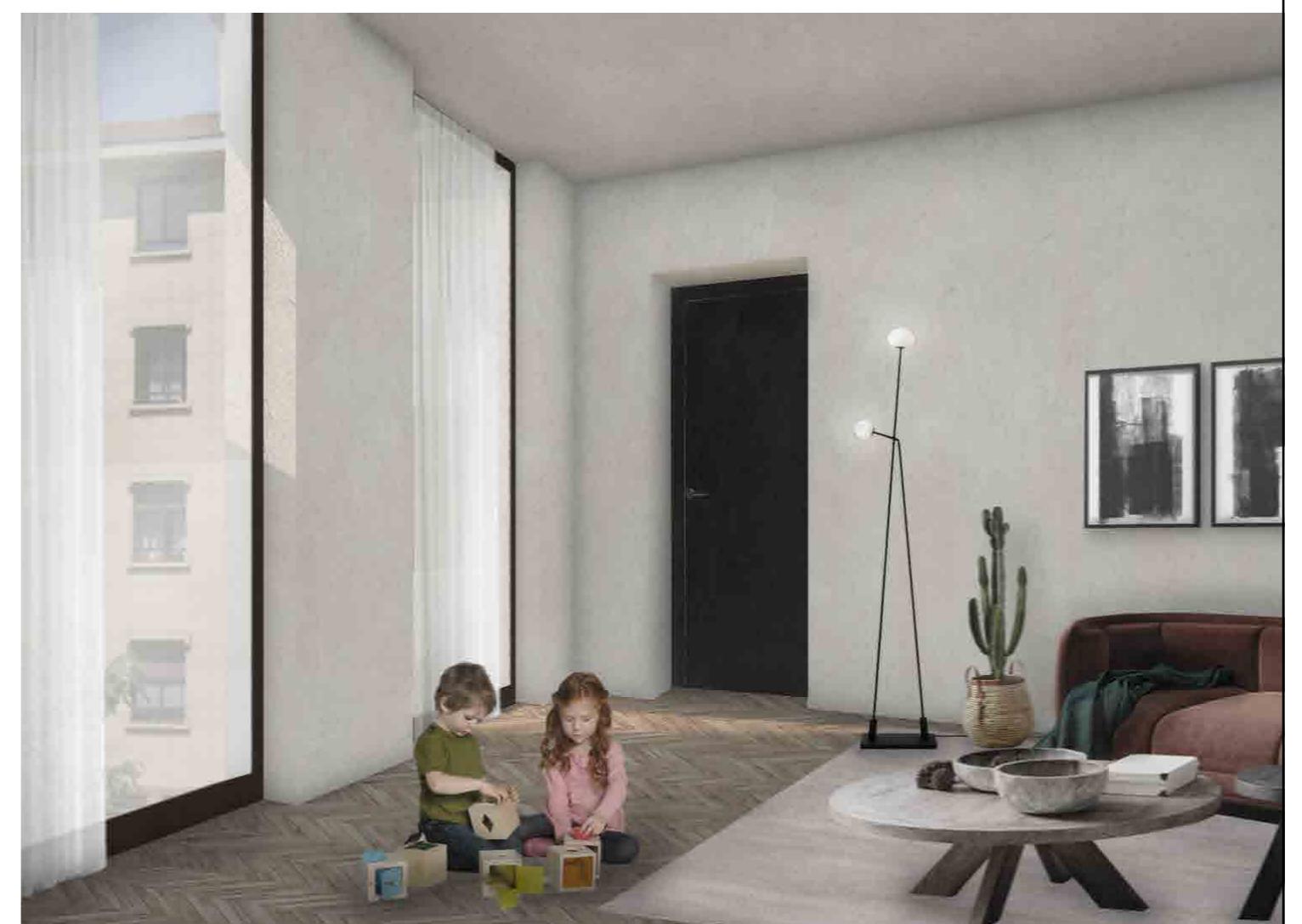
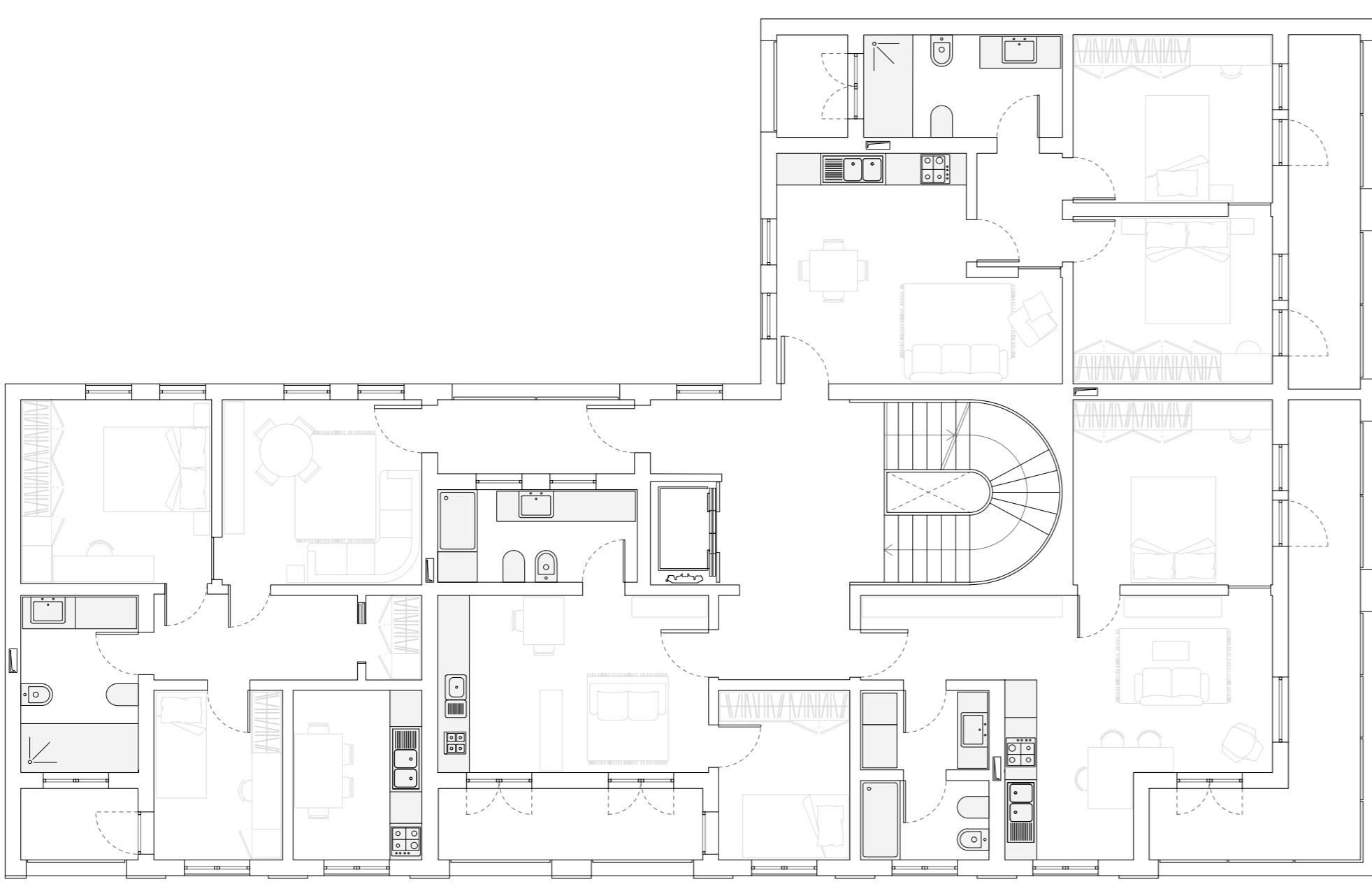
0 4 m



BUILDING COMPOSITION

Typical floor and duplex plans

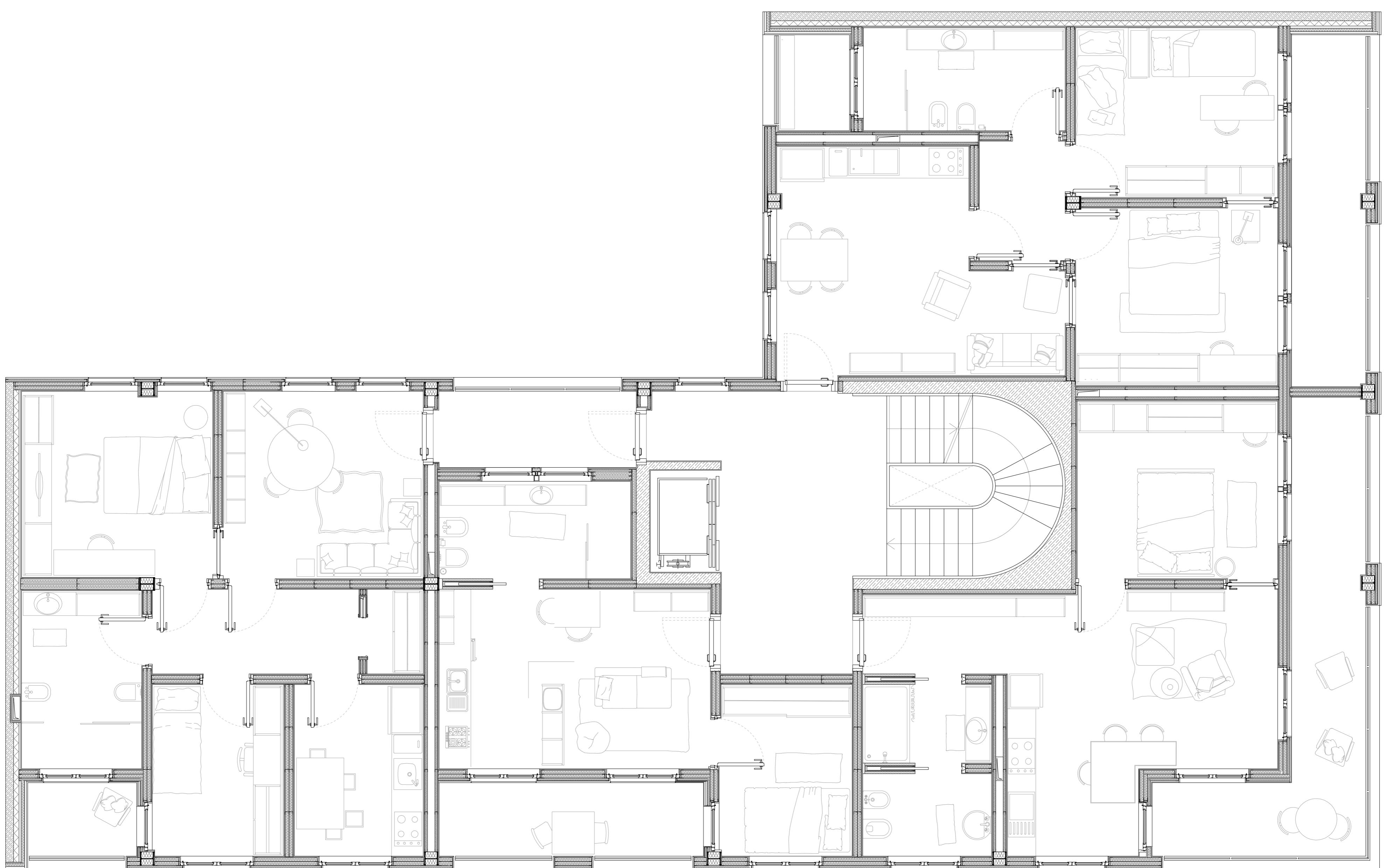
0 4 m



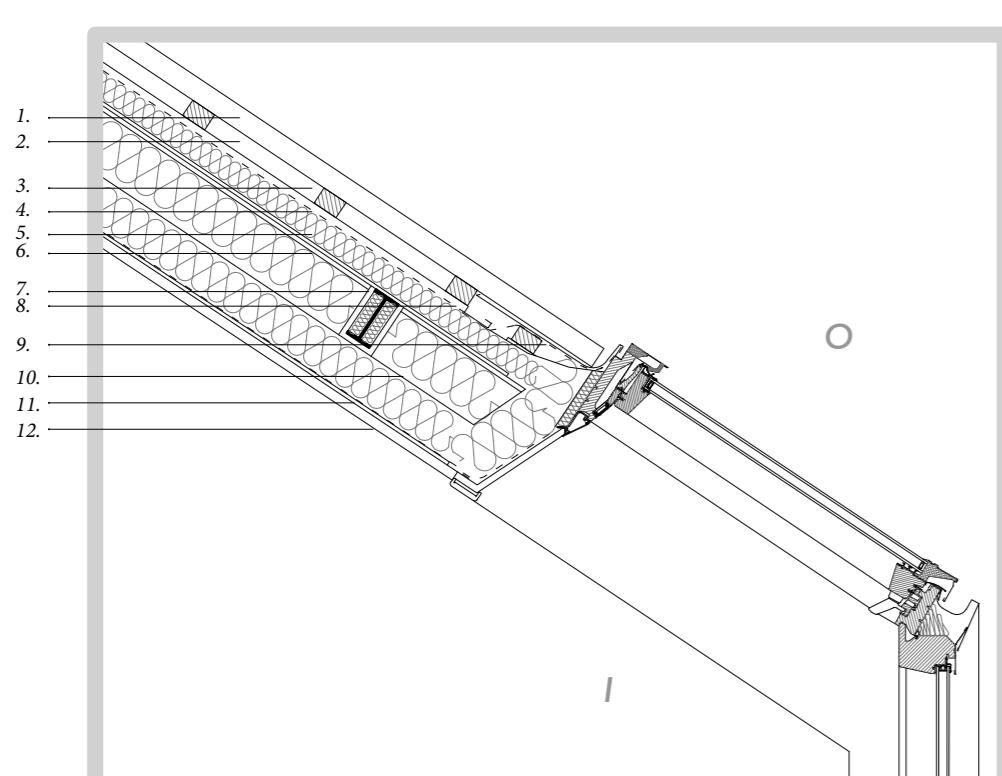
PROJECT ZOOM-IN

Typical floor plan and details

0 2 m



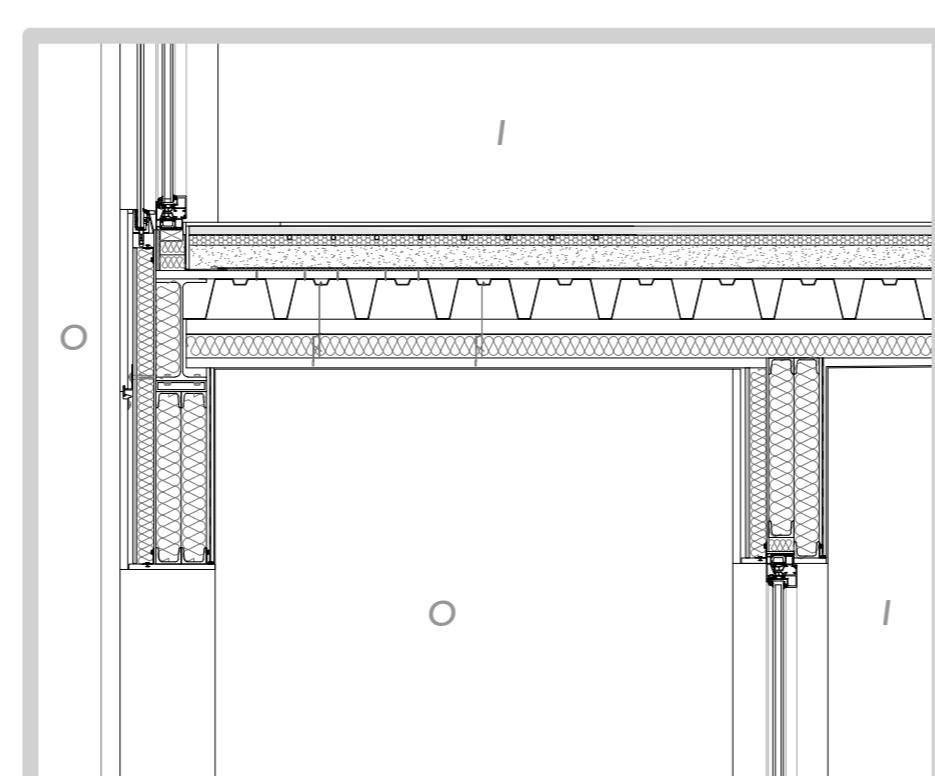
Detail n. 01



- 1. Roof - Prefalz covering system
- 2. Ventilated roof, emptiness
- 3. Support joists
- 4. XDP vapor permeable layer
- 5. Rock wool insulation
- 6. Principal beam IPE 300
- 7. Secondary beam IPE 140
- 8. Water drainage gutter
- 9. Roof supporting profile
- 10. Double layer of rock wool insulation
- 11. XDP vapor permeable layer
- 12. Plasterboard sheet

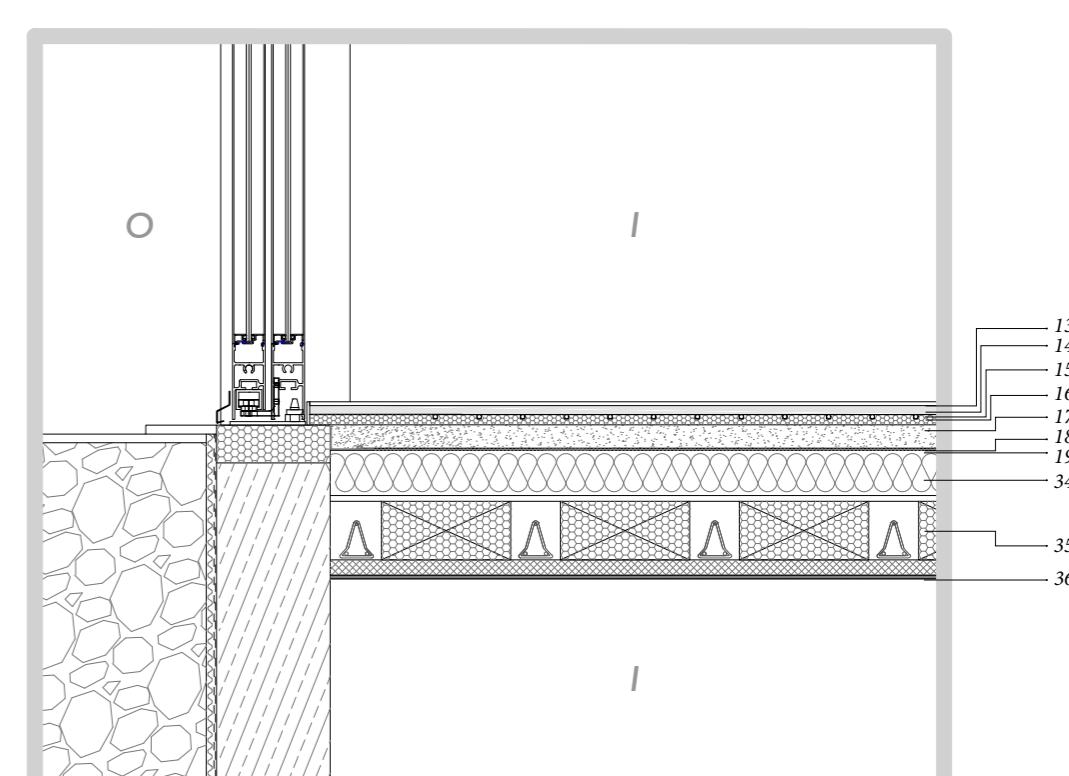
th. 6 cm
th. 8 cm
th. 8 cm
th. 7 cm
th. 26 cm
th. 1,25 cm

Detail n. 02



th. 6 cm
th. 8 cm
th. 8 cm
th. 7 cm
th. 26 cm
th. 1,25 cm

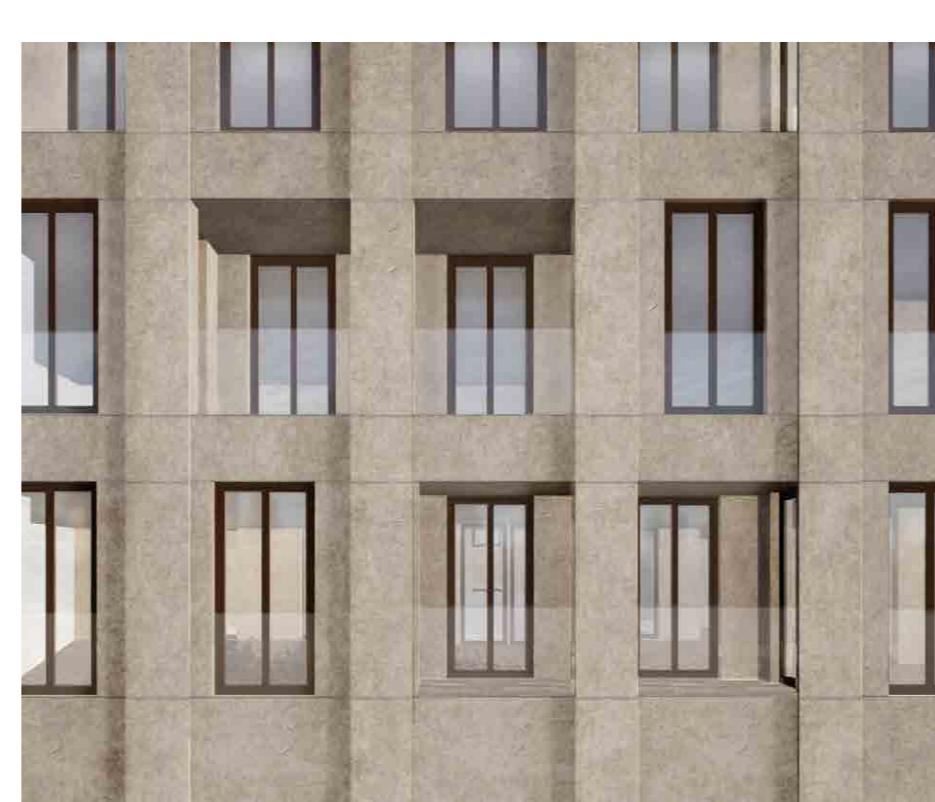
Detail n. 03



- 13. Flooring: Parquet
- 14. Gypsum-fiber layer
- 15. Double layer of load sharing in galvanized steel
- 16. Pre-shaped insulating panel in expanded polystyrene
- 17. Bed base with granular inert in perlite
- 18. Waterproof case layer
- 19. Corrugated cardboard layer
- 20. OSB panel
- 21. Fretted sheet
- 22. Rock wool panel insulation
- 23. Plasterboard sheet
- 24. Finish
- 25. Steel beam IPE 270
- 26. Steel profile type C 65
- 27. Ventilated facade, emptiness
- 28. Stone slabs, Pietra di Trani
- 29. Aetal pillar HEA 280
- 30. Pre-shaped insulating panel in expanded polystyrene
- 31. Double layer of insulation
- 32. Plasterboard sheet
- 33. Finish
- 34. Insulation layer of lana di roccia
- 35. Structures in pedales slabs with lightened concrete casting
- 36. Plasterboard panels

th. 1 cm
th. 2,3 cm
th. 0,2 cm
th. 2,8 cm
th. 6 cm
th. 4,5 mm
th. 2,2 cm
th. 2 mm
th. 12 cm
th. 1,25 cm
th. 0,5 cm
th. 1 cm
th. 3 cm
th. 2,2 cm
th. 2 mm
th. 12 cm
th. 1,25 cm
th. 0,5 cm
th. 5 cm
th. 15 cm
th. 0,5 cm
th. 12 cm
th. 15 cm
th. 24 cm
th. 2 cm

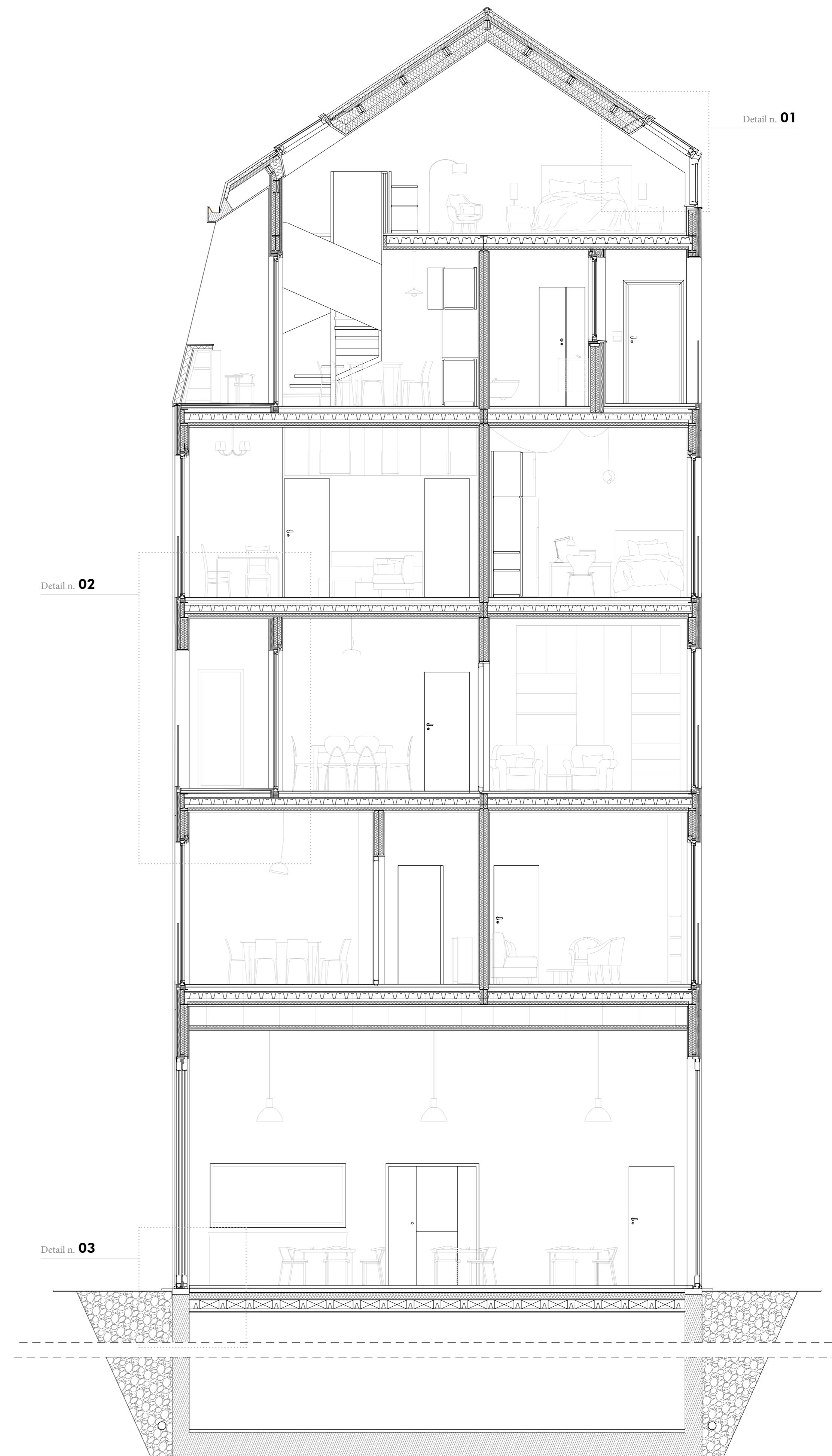
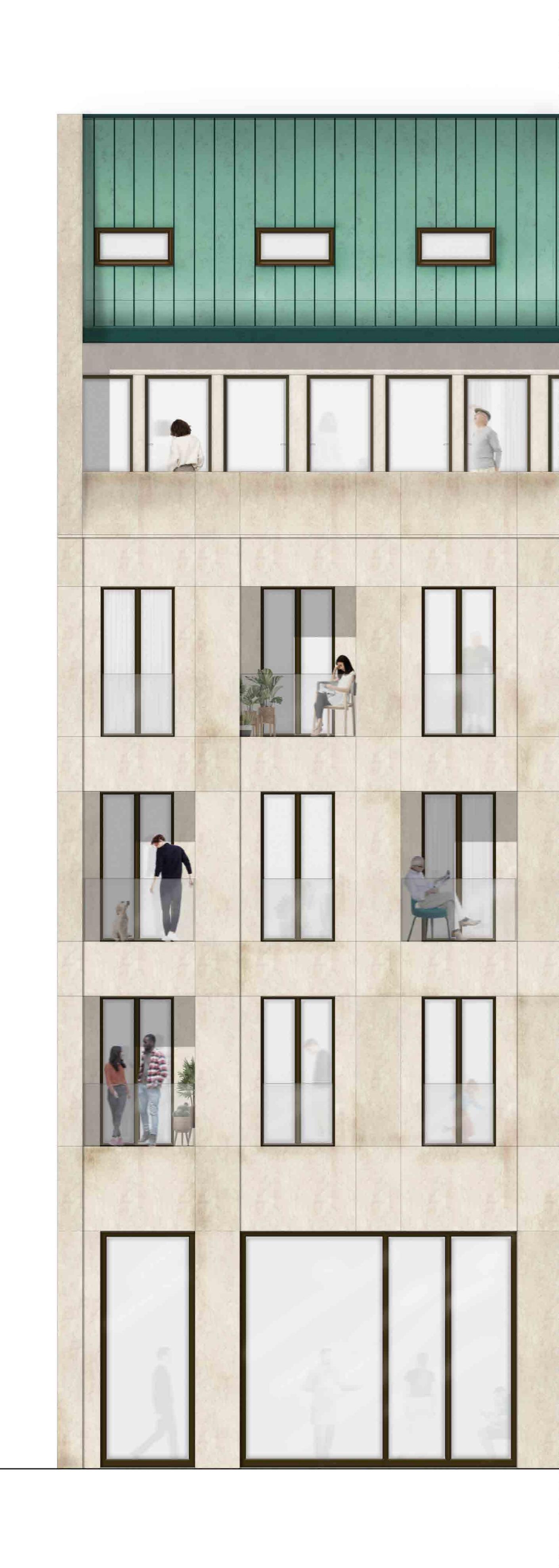
0 1 m



PROJECT ZOOM-IN

Cutout elevation and A-A' section

0 2 m



APARTMENTS FLEXIBILITY

Abacus I

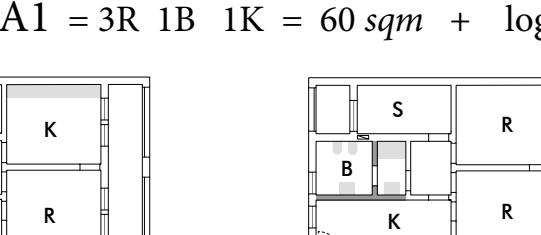
0  10 m

 Fixed furniture

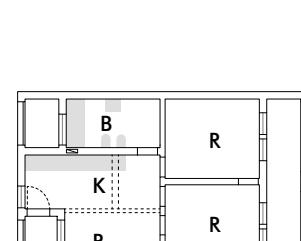
 Daily movement

 Circulation

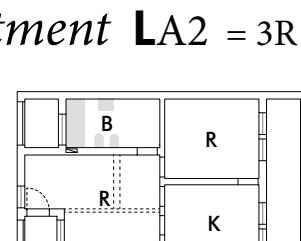
APARTMENT LA



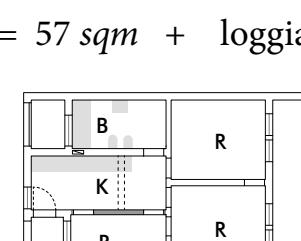
Apartment LA1 = 3R 1B 1K = 60 sqm + loggia 12,5 sqm



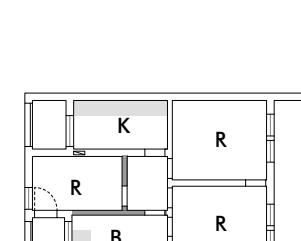
LA1.a



LA1.b

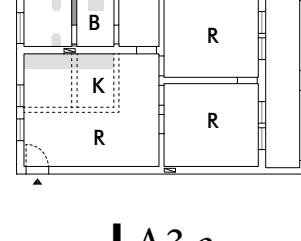


LA1.c

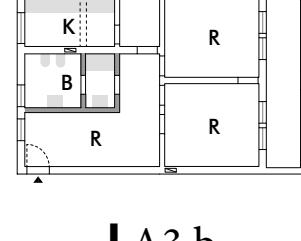


LA1.d

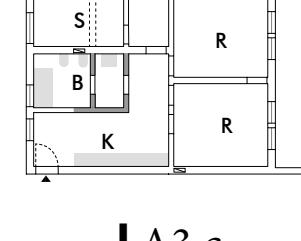
Apartment LA2 = 3R 1B 1K = 57 sqm + loggia 13,5 sqm



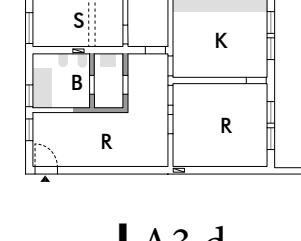
LA2.a



LA2.b



LA2.c

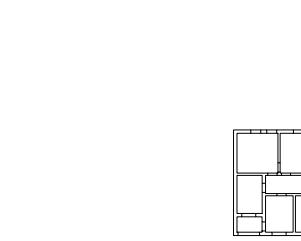


LA2.d

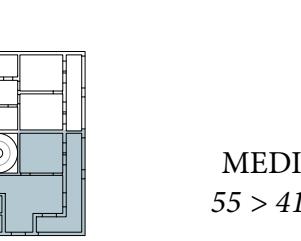
Apartment LA3 = 3R 1B 1K = 60 sqm + loggia 12,5 sqm



LA3.a



LA3.b

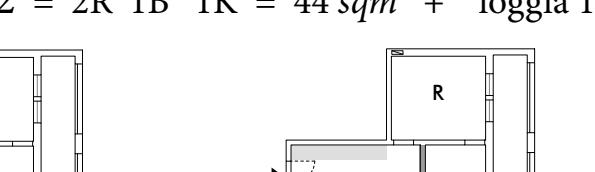


LA3.c

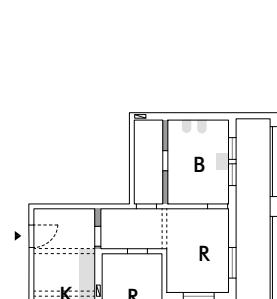


LA3.d

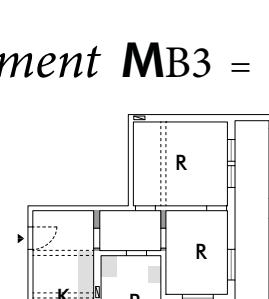
APARTMENT MB



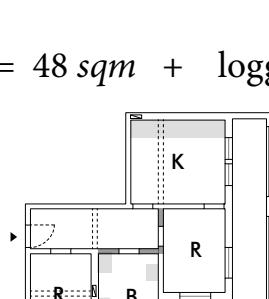
Apartment MB1 = 2R 1B 1K = 48 sqm + loggia 15 sqm



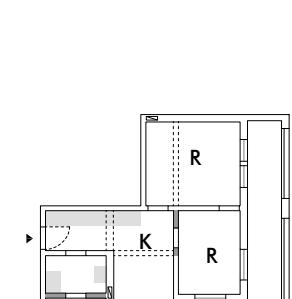
MB1.a



MB1.b

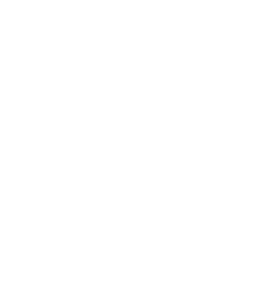


MB1.c



MB1.d

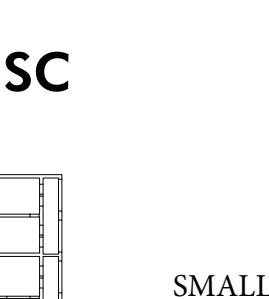
Apartment MB2 = 2R 1B 1K = 44 sqm + loggia 19 sqm



MB2.a



MB2.b

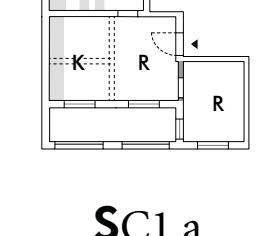


MB2.c

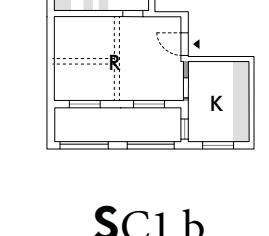


MB2.d

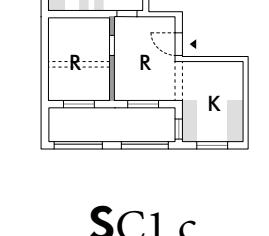
Apartment MB3 = 2R 1B 1K = 48 sqm + loggia 15 sqm



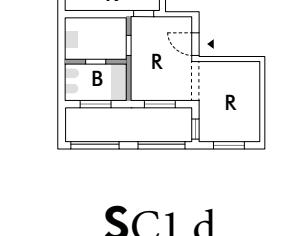
MB3.a



MB3.b

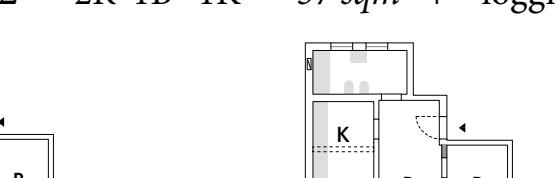


MB3.c

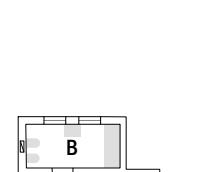


MB3.d

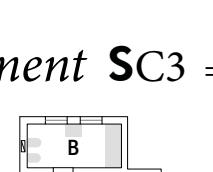
APARTMENT SC



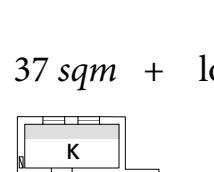
Apartment SC1 = 2R 1B 1K = 33 sqm + loggia 7 sqm



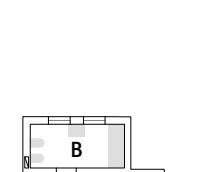
SC1.a



SC1.b



SC1.c



SC1.d

Apartment SC2 = 2R 1B 1K = 37 sqm + loggia 3 sqm



SC2.a



SC2.b



SC2.c



SC2.d

Apartment SC3 = 2R 1B 1K = 37 sqm + loggia 3 sqm

SC3.a

SC3.b

SC3.c

SC3.d

ZERO TYPE

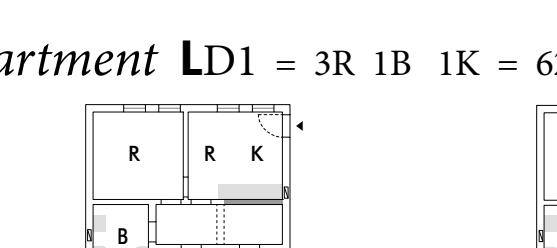
APARTMENTS FLEXIBILITY

Abacus II

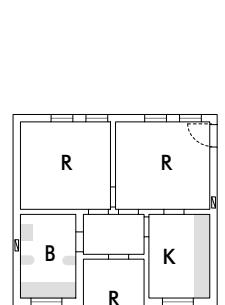


■ Fixed furniture ■ Daily movement ■ Circulation

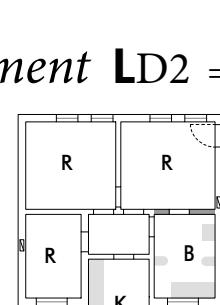
APARTMENT LD



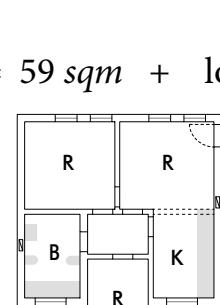
Apartment LD1 = 3R 1B 1K = 62 sqm + loggia 3 sqm



LD1.a

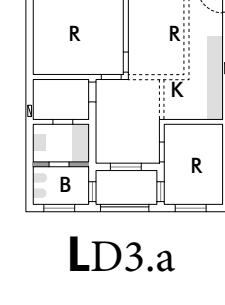


LD1.b

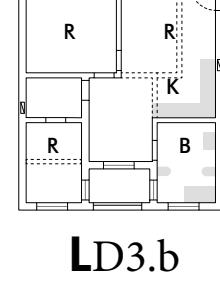


LD1.c

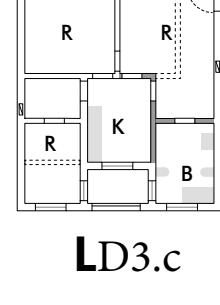
Apartment LD2 = 3R 1B 1K = 59 sqm + loggia 6 sqm



LD2.a



LD2.b

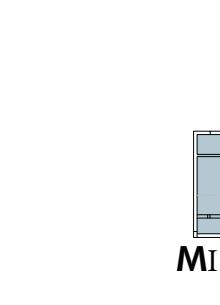


LD2.c

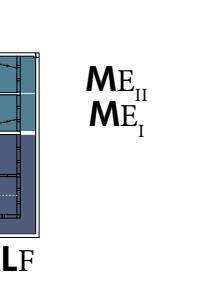
Apartment LD3 = 3R 1B 1K = 62 sqm + loggia 12,5 sqm



LD3.a



LD3.b

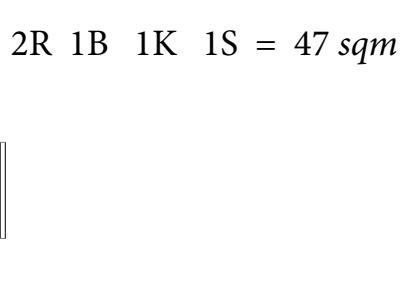


LD3.c



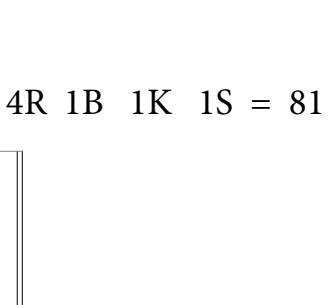
LD3.d

APARTMENT DUPLEX

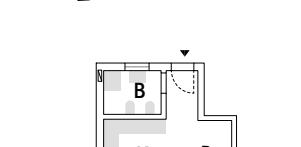


ME_{II}*

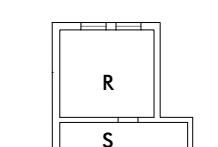
ME_I*



Duplex ME = 2R 1B 1K 1S = 47 sqm + loggia 9 sqm

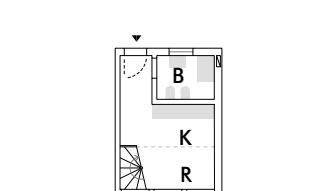


ME1

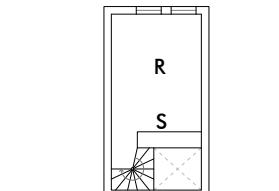


ME1*

Duplex XLF = 4R 1B 1K 1S = 81 sqm + loggia 23 sqm

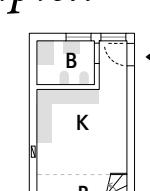


XLF

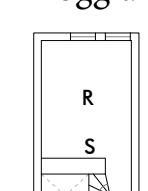


XLF*

Duplex MG = 2R 1B 1K 1S = 47 sqm + loggia 7 sqm



MG



MG*

Duplex SH = 2R 1B 1K 1S = 40 sqm + loggia 5 sqm



SH



SH*

Duplex MI = 2R 1B 1K 1S = 45 sqm + loggia 5 sqm



MI



MI*

ZERO TYPE

ROOM AND USES

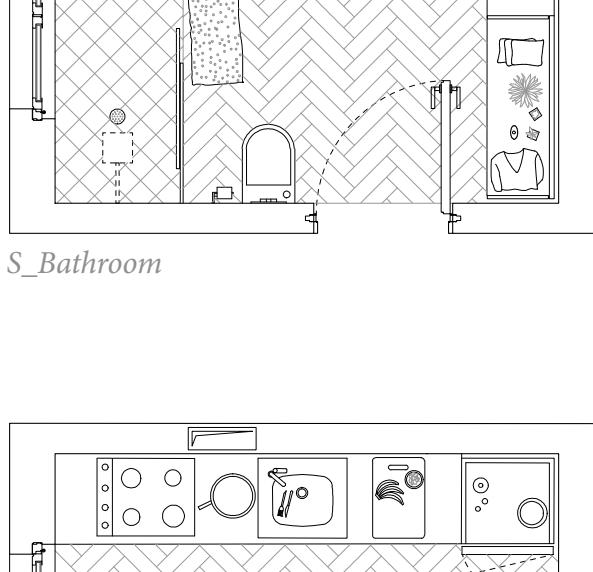
Abacus

0 2 m

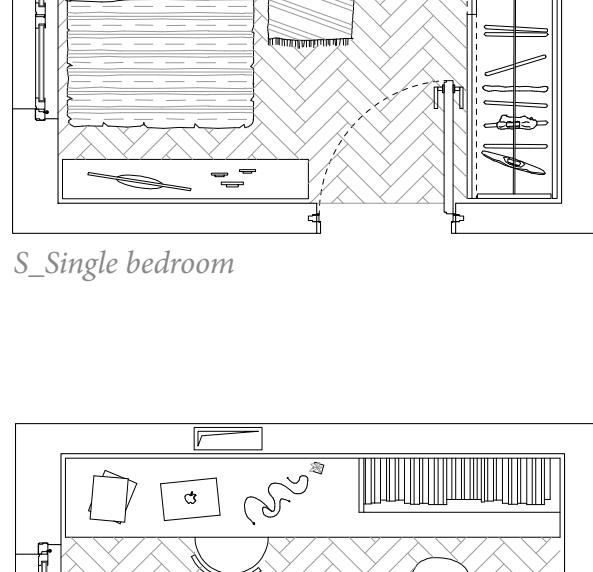
SMALL S

$3,30 \times 2,5\text{ m}$

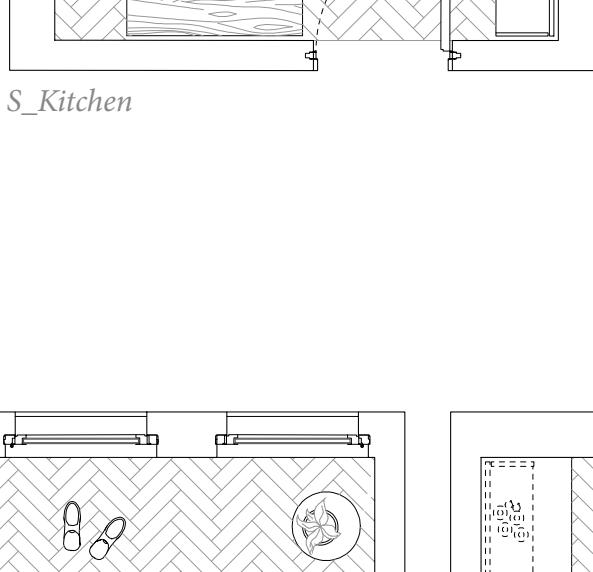
8 sqm



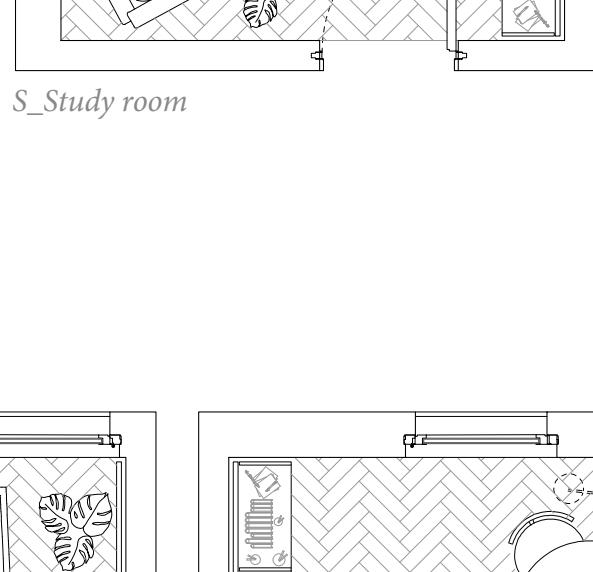
S_Bathroom



S_Single bedroom



S_Kitchen

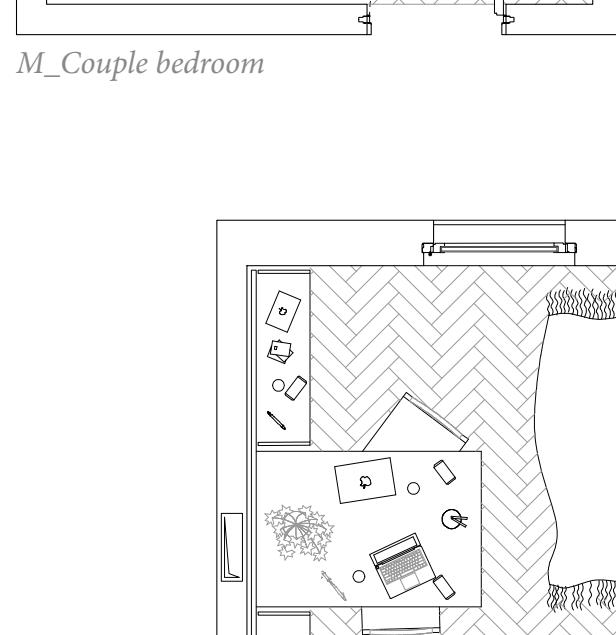


S_Study room

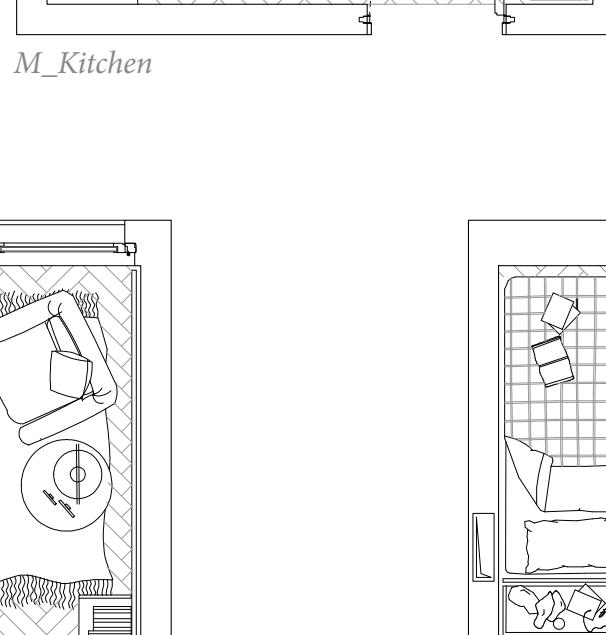
MEDIUM M

$3,6 \times 3,5\text{ m}$

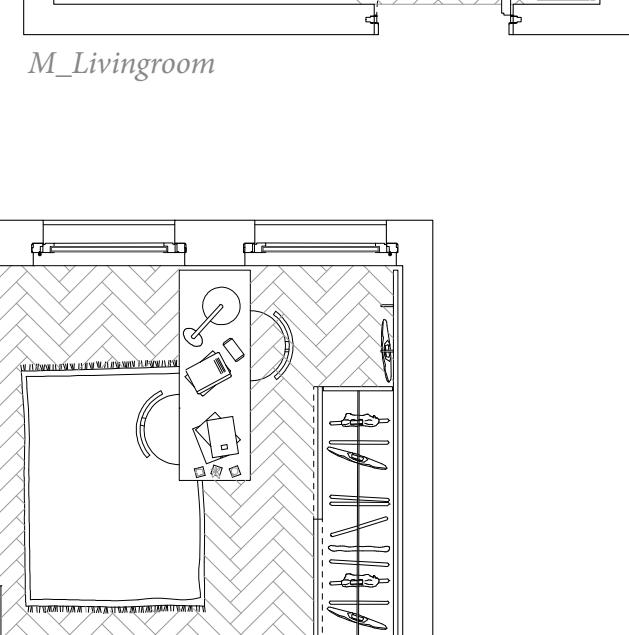
14 sqm



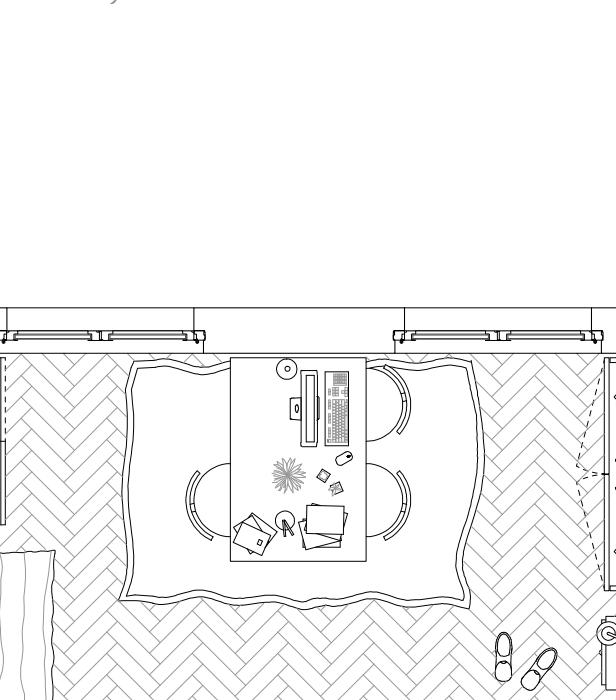
M_Couple bedroom



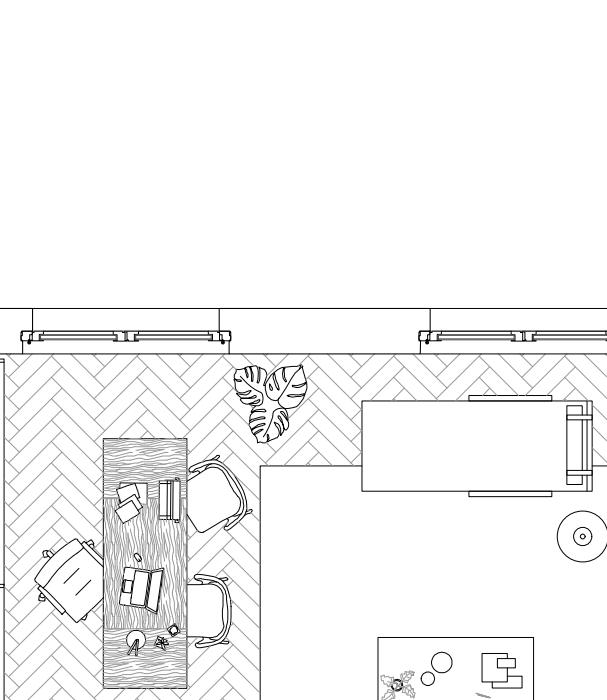
M_Kitchen



M_Livingroom



M_Study room

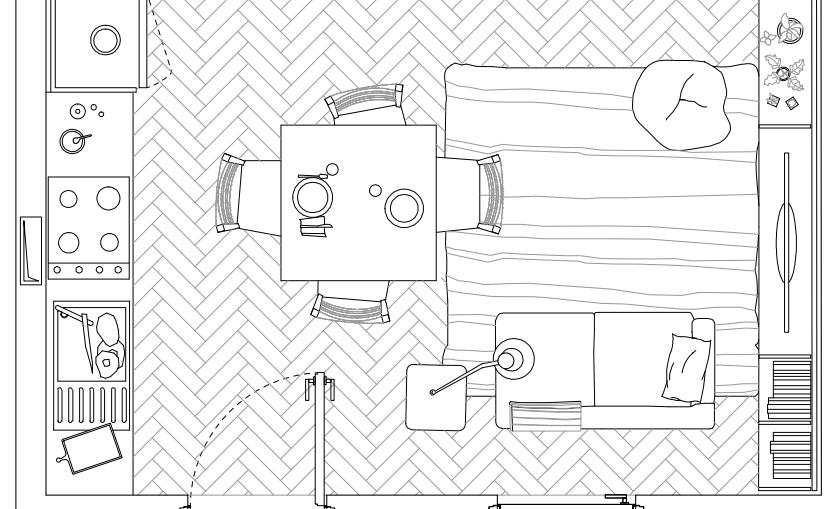


M_Double bedroom

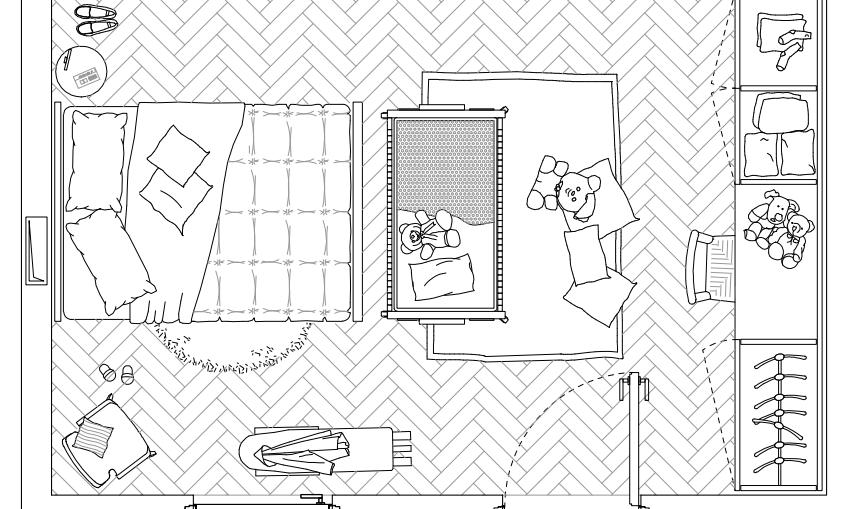
LARGE L

$3,3 \times 5,2\text{ m}$

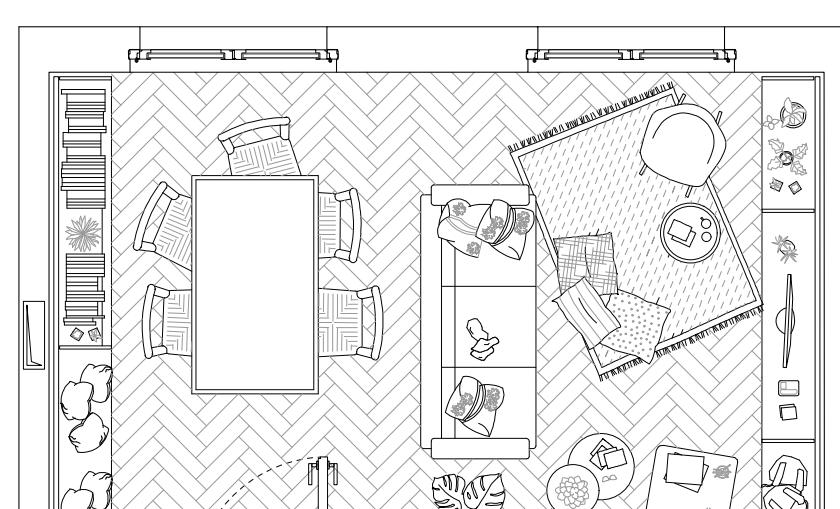
17 sqm



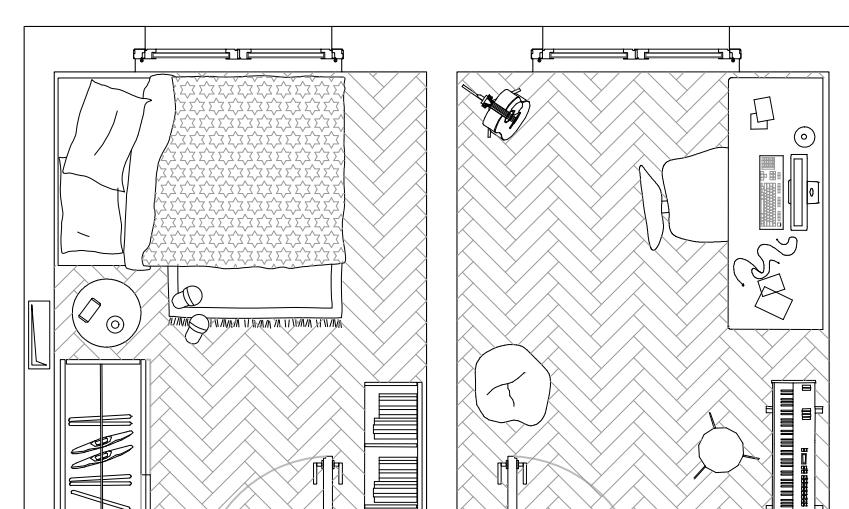
L_Double bedroom



L_Professional Study room



L_Kitchen + Livingroom



L_Couple bedroom + nursery



L_Livingroom



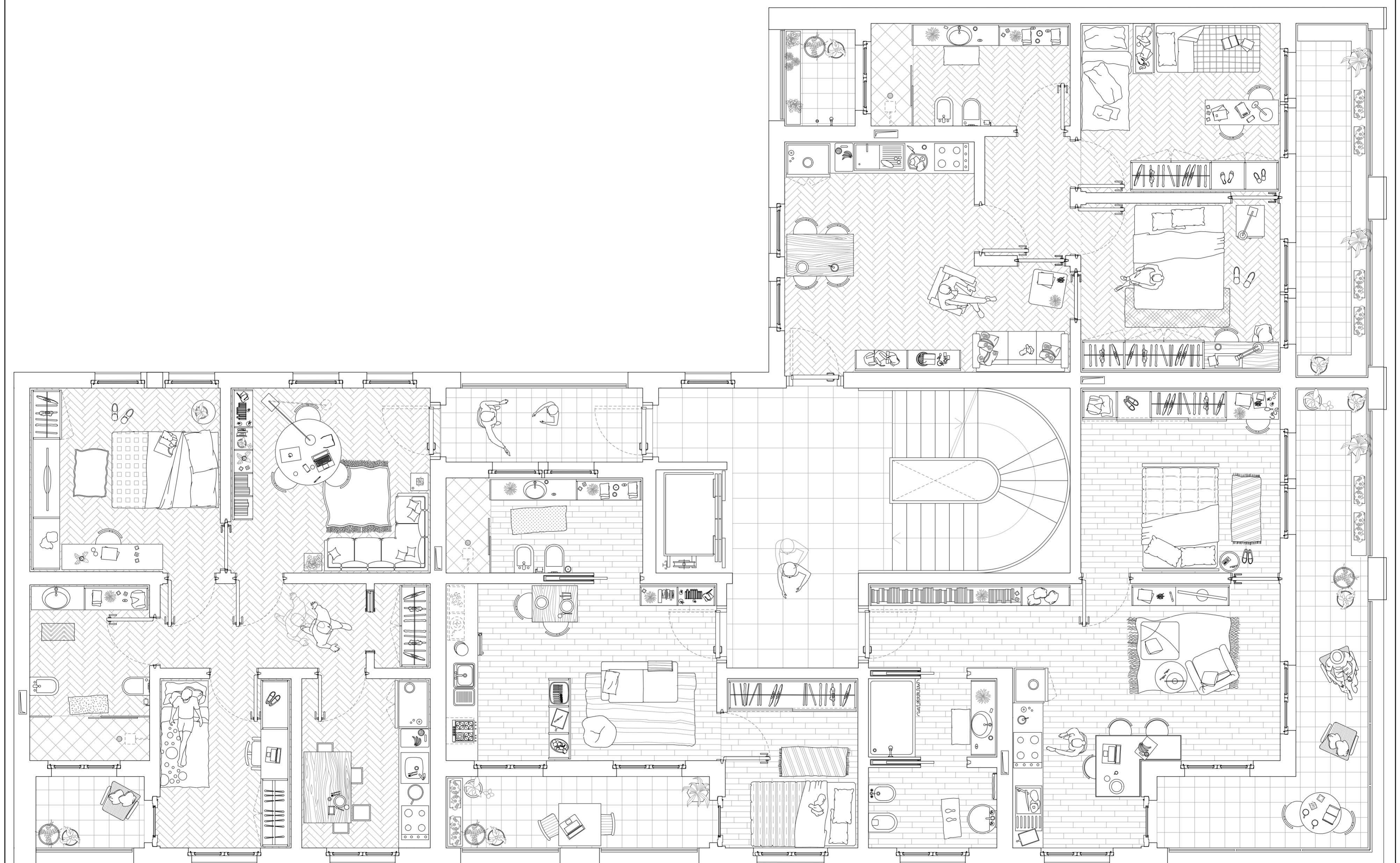
L_Study room + bedroom

ZERO TYPE

PLAN COMPOSITION

Typical floor plan

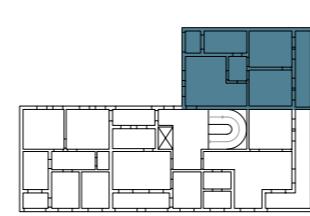
0 2 m



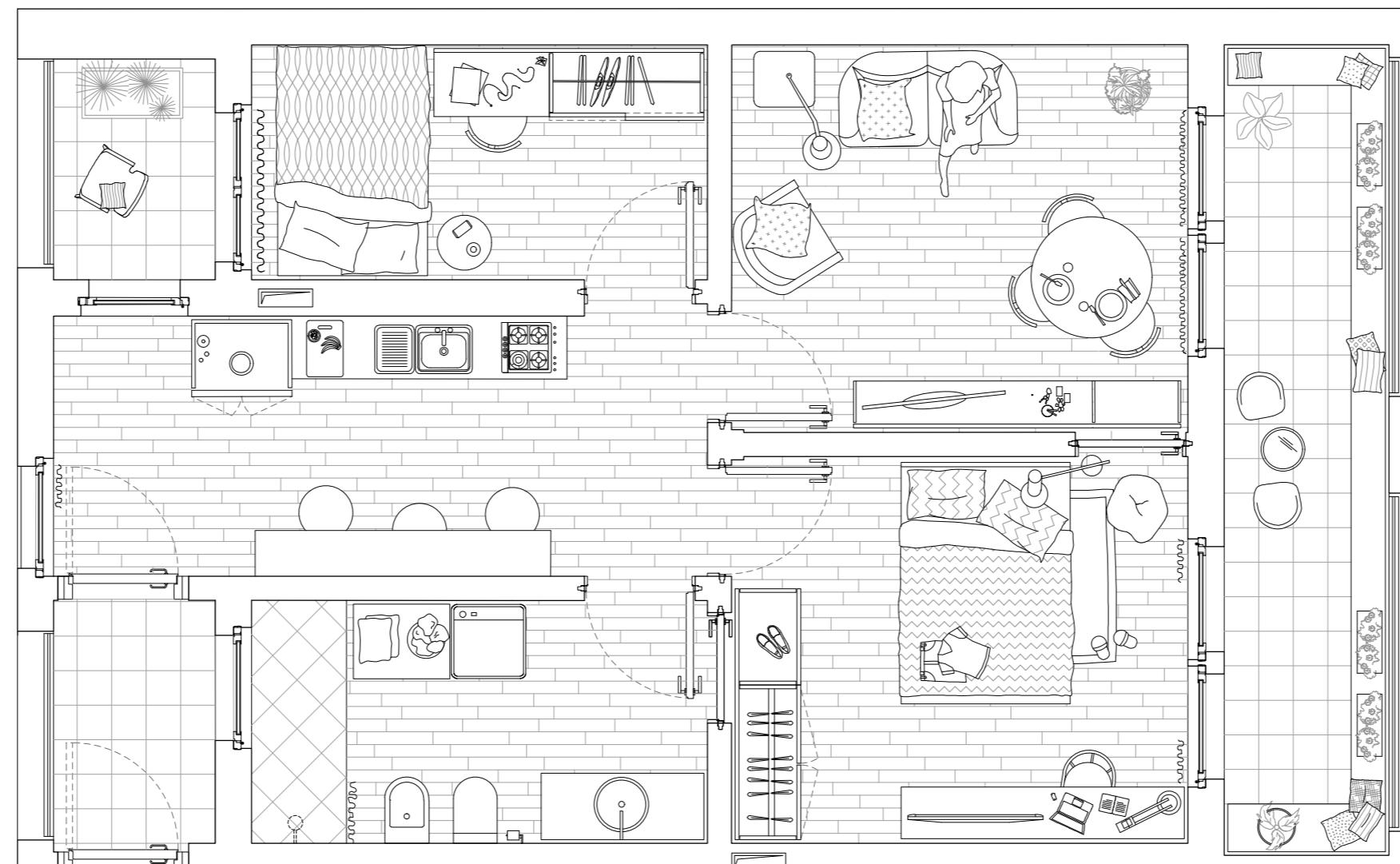
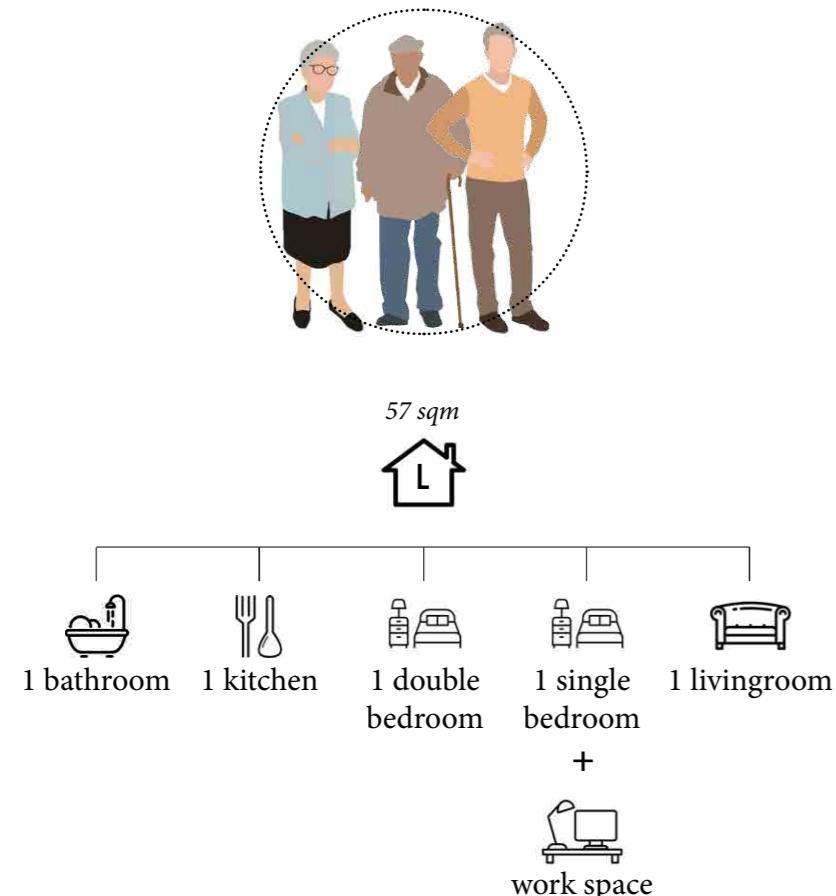
TYPOLOGICAL FLEXIBILITY

Apartment A : transformations according to users

0 2 m

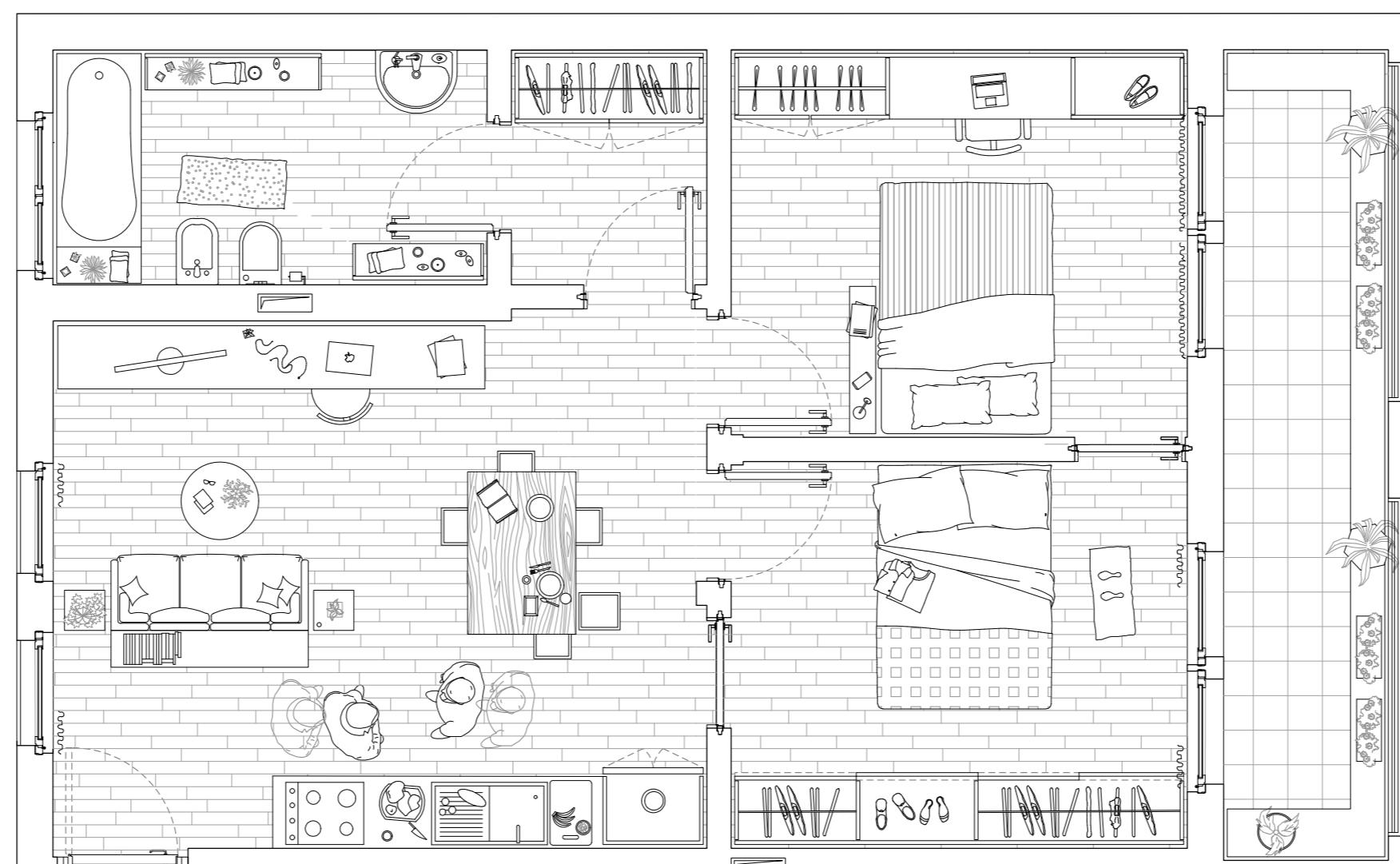
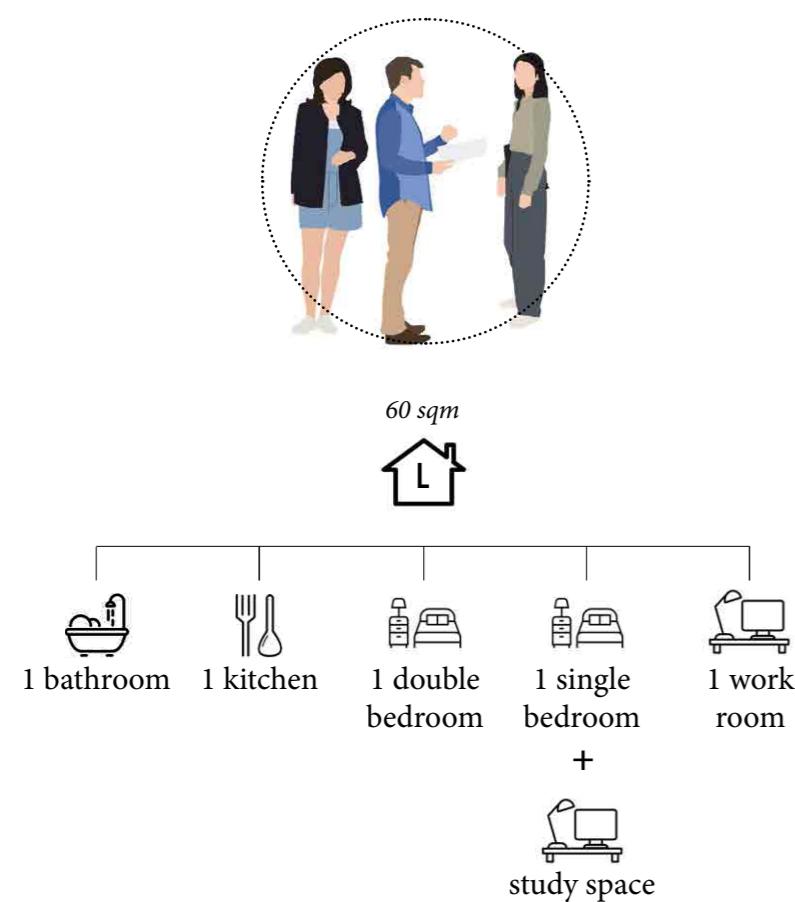


Family + a Plus



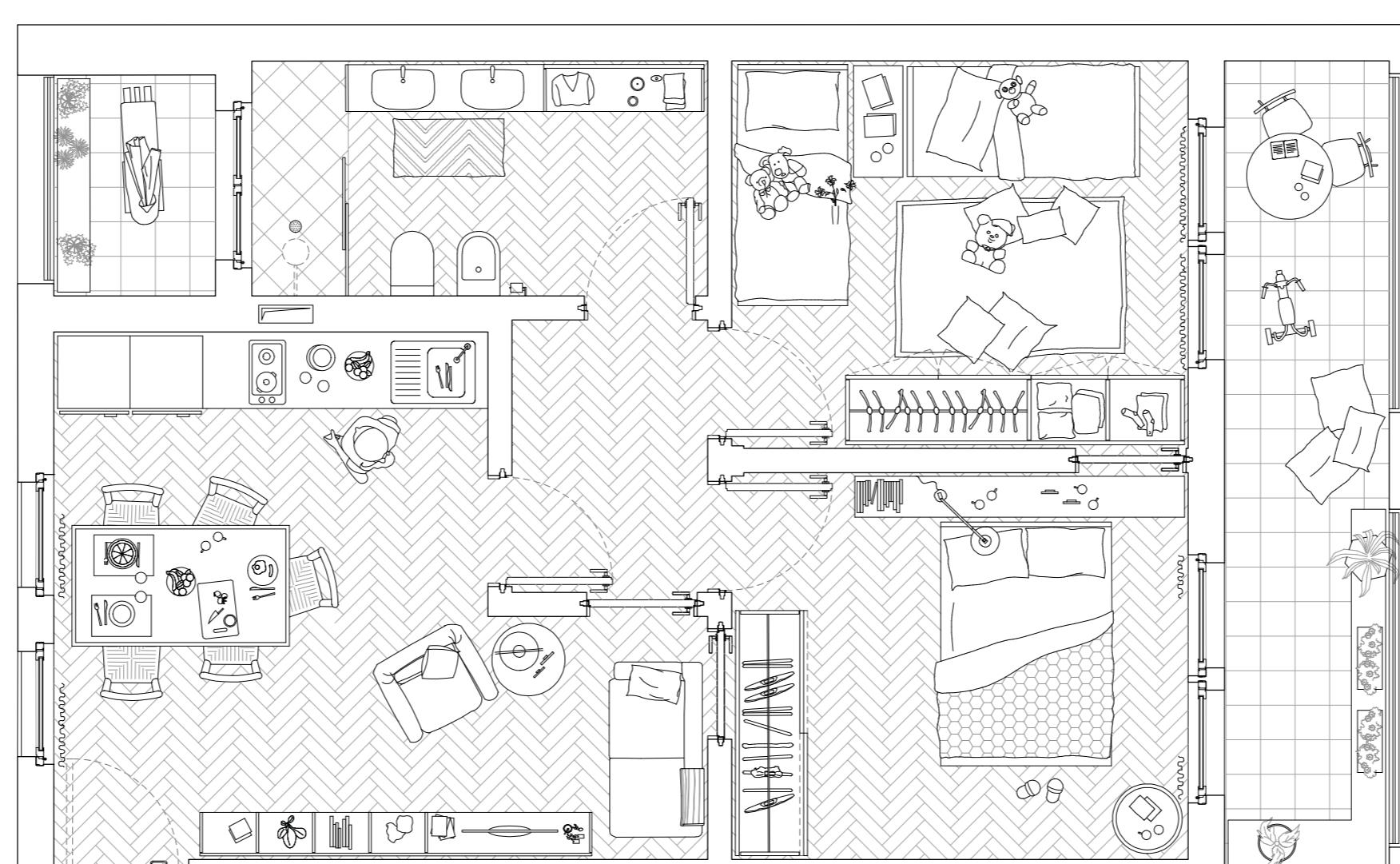
This typology is composed by families who are hosting single adults.

Couple + a Plus



This typology is composed by a couple without children that host another person in their households.

Traditional Family

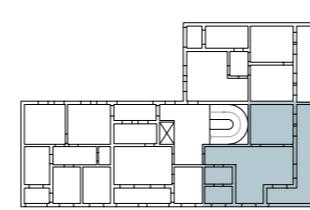


This category includes households composed by parents with children.

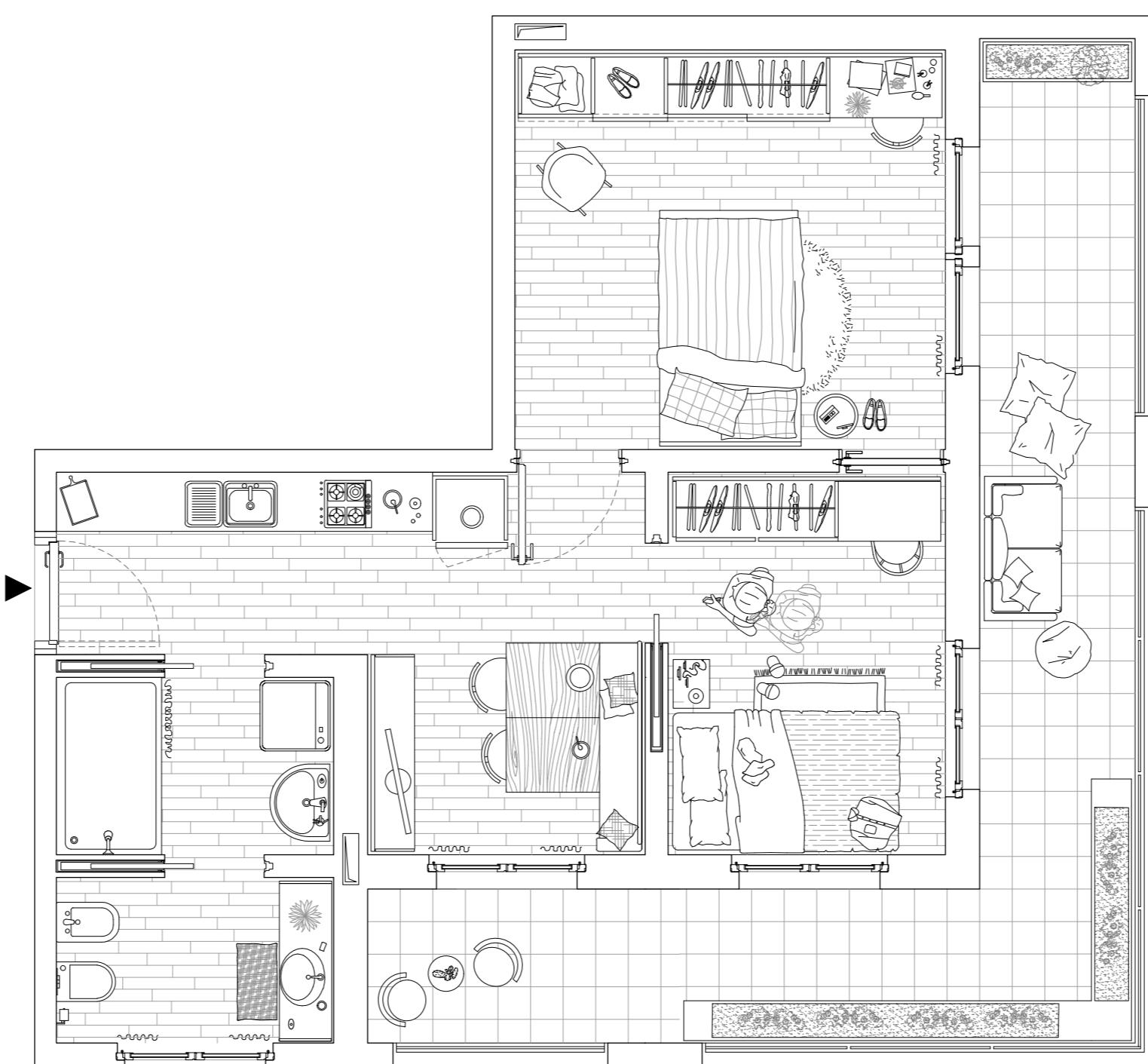
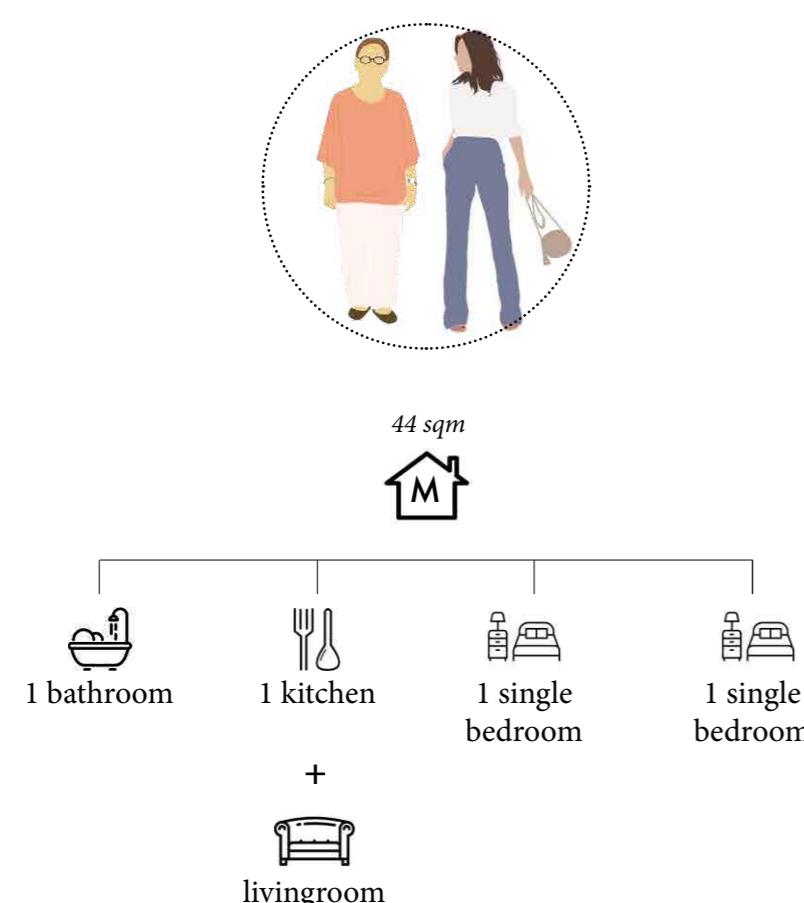
TYPOLOGICAL FLEXIBILITY

Apartment B : transformations according to users

0 2 m

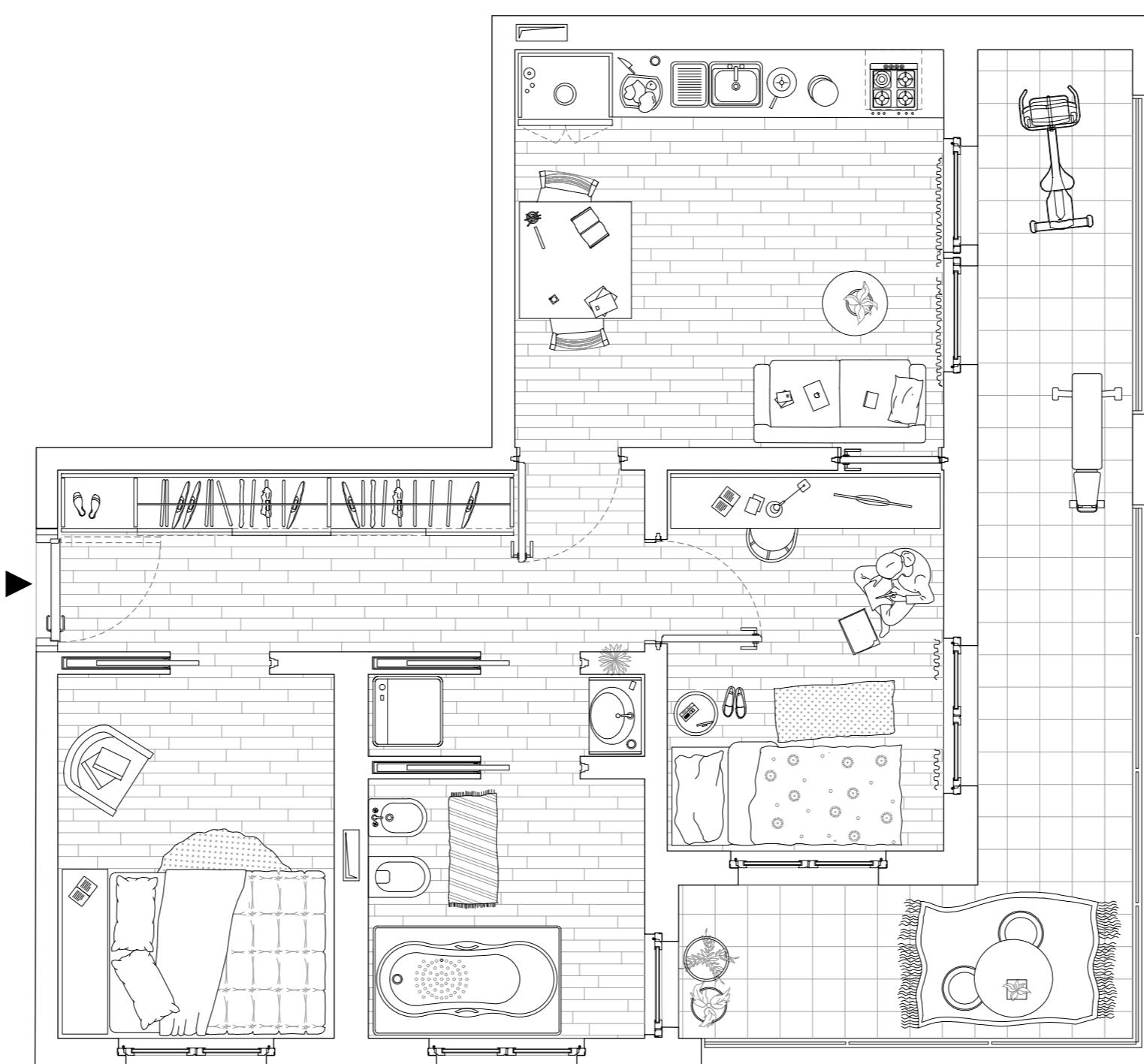


Adult + a Plus



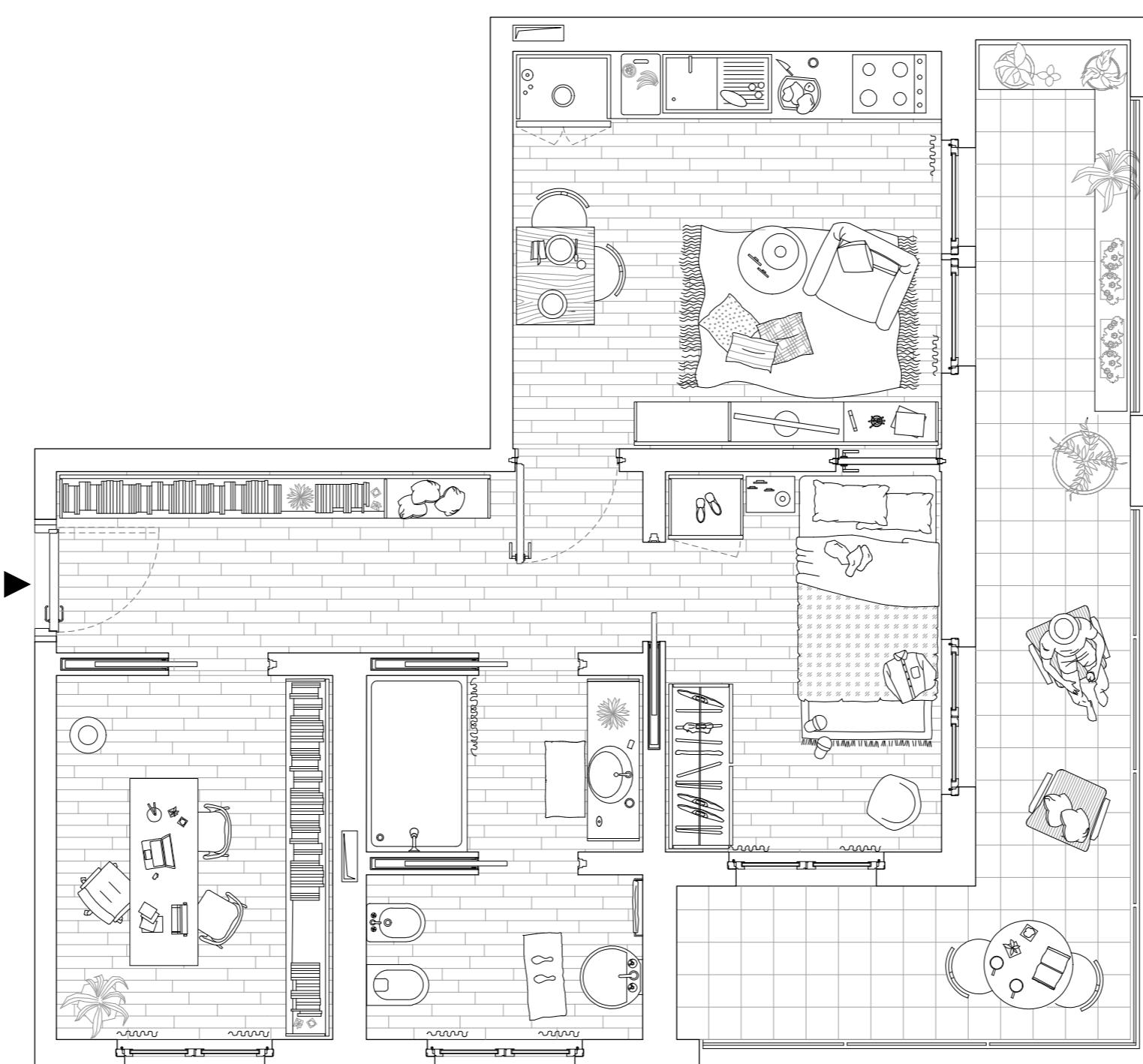
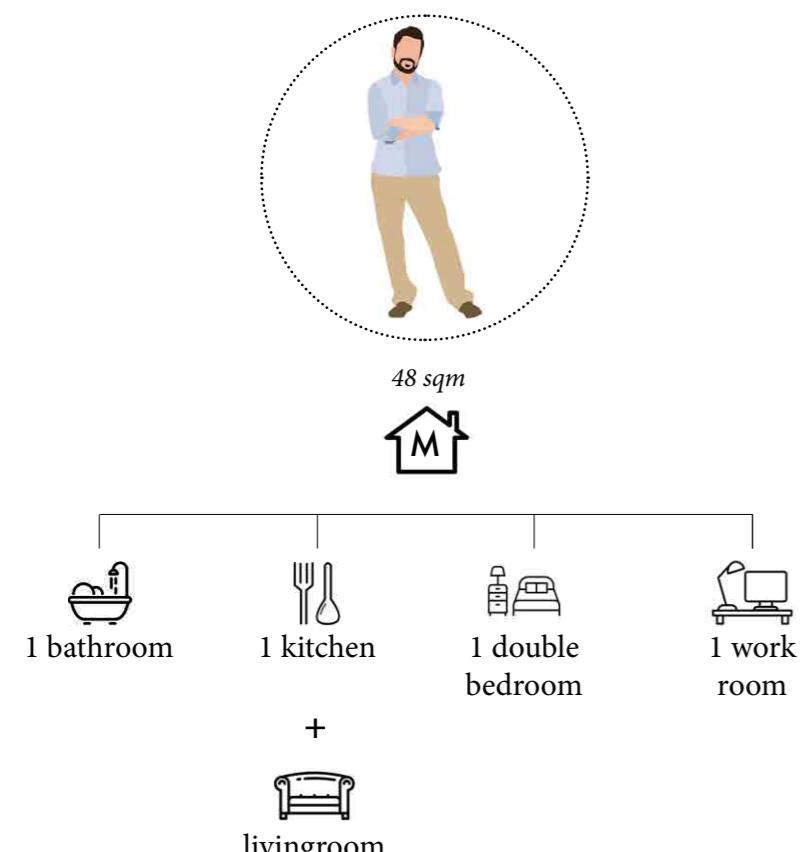
This category consists in single adult people living together.

Adult + a Plus



This category consists in single adult people living together.

Single Adult

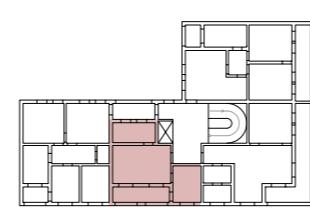


This category includes people who for personal reason or external forces are living alone.

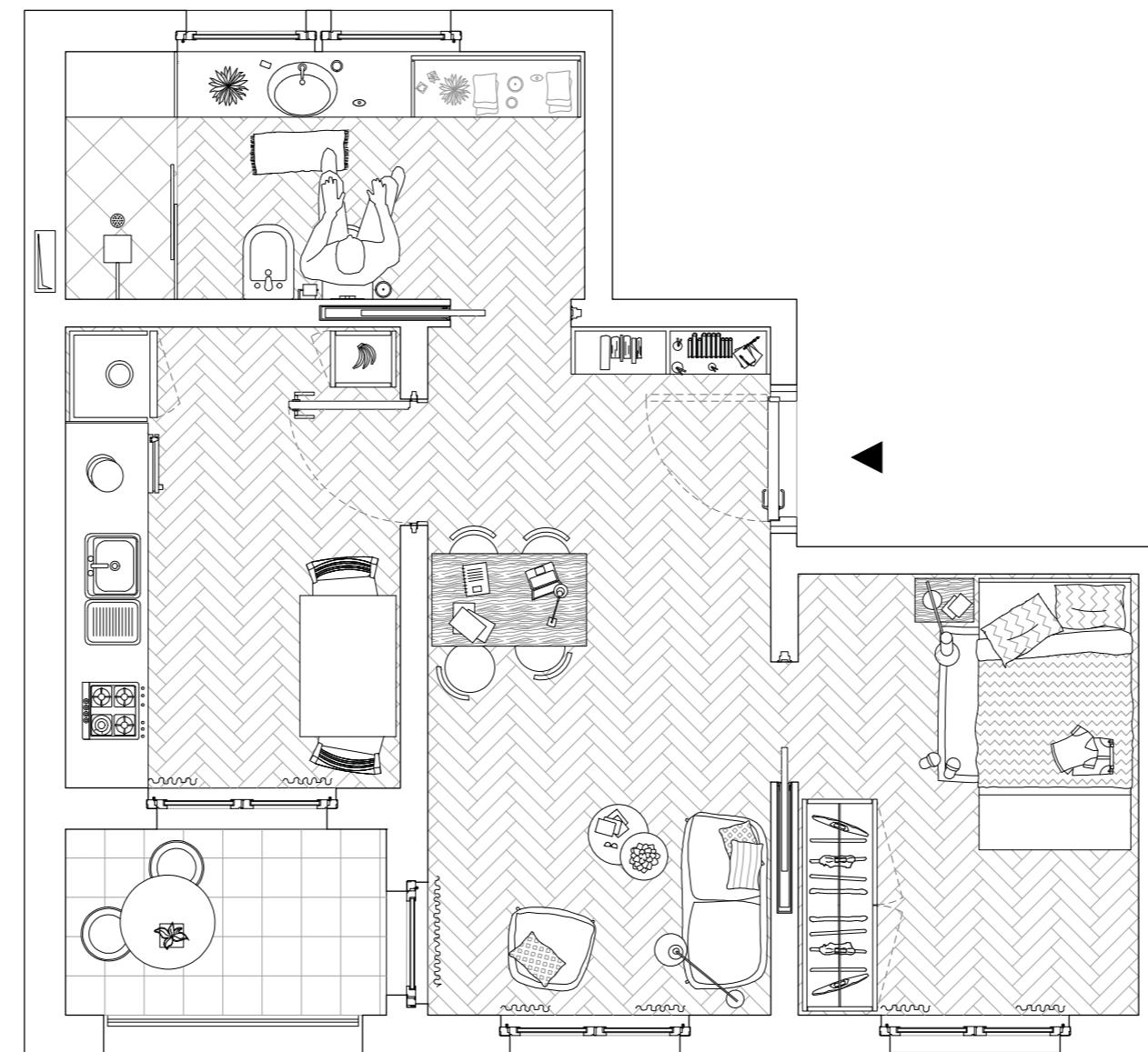
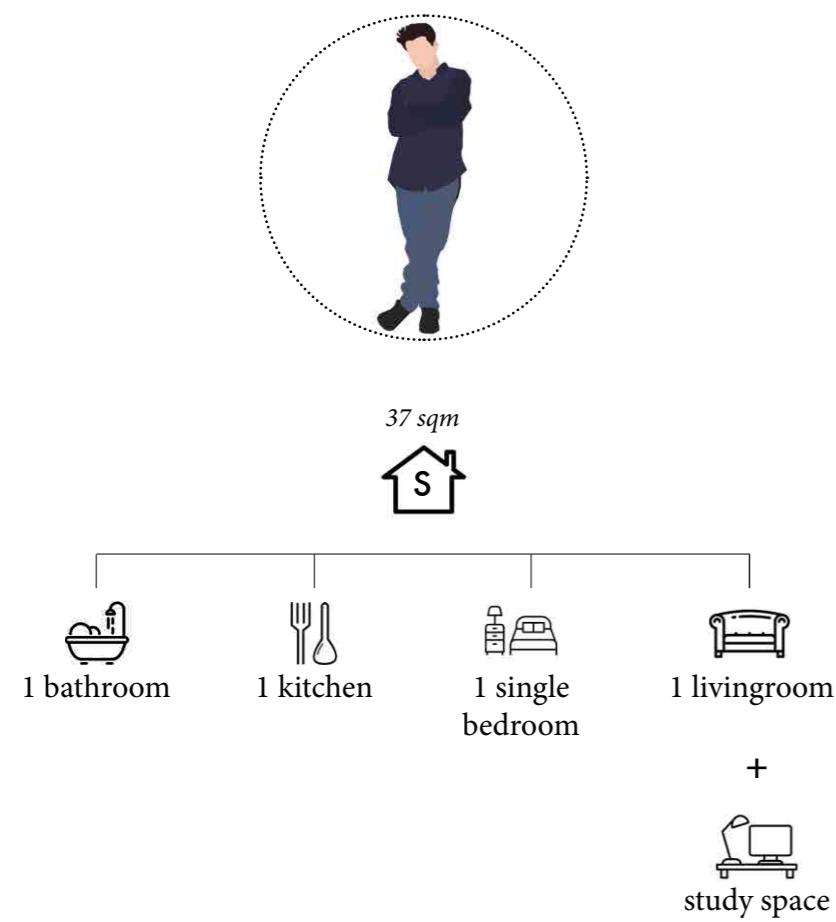
TYPOLOGICAL FLEXIBILITY

Apartment C : transformations according to users

0 2 m

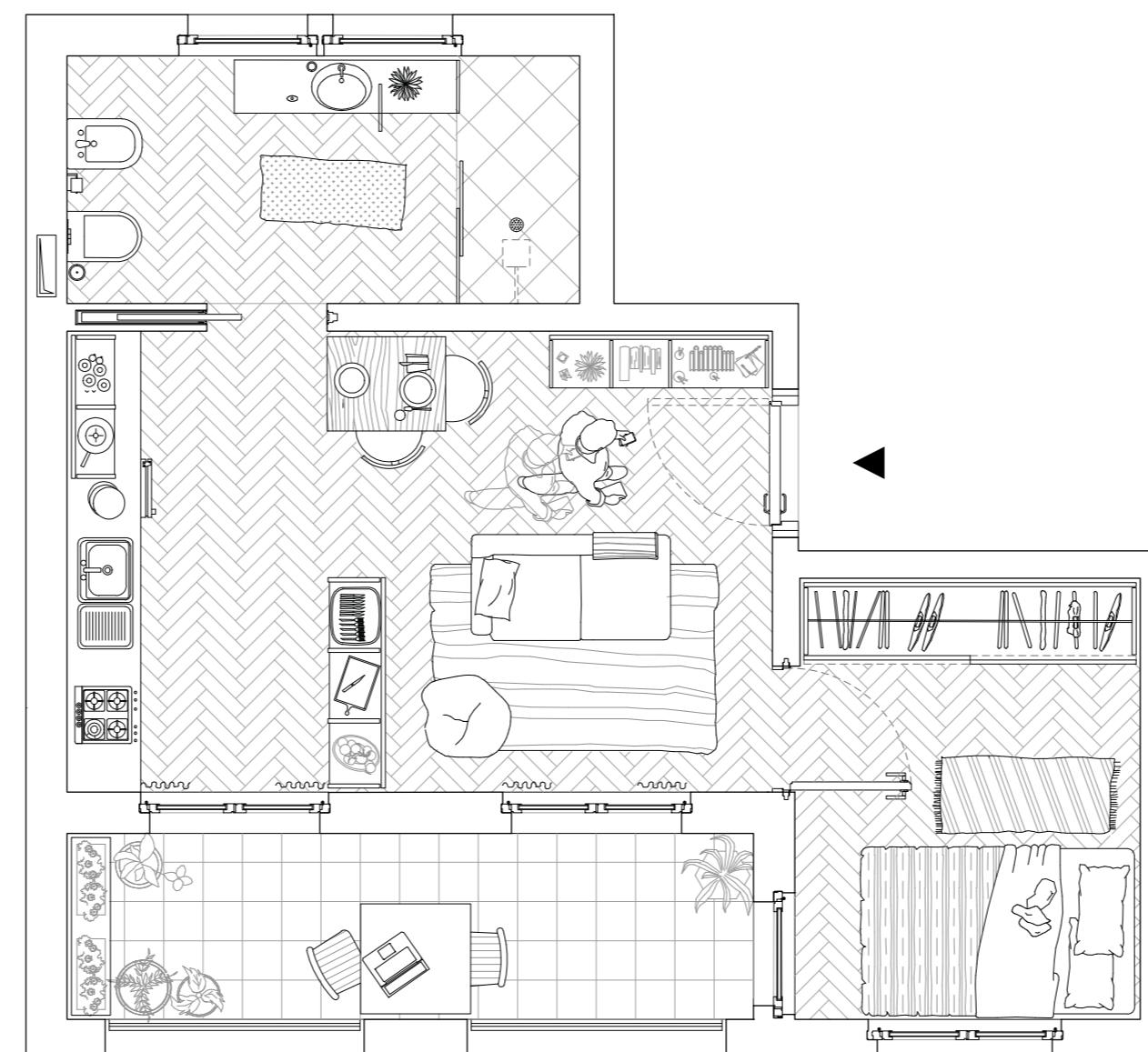
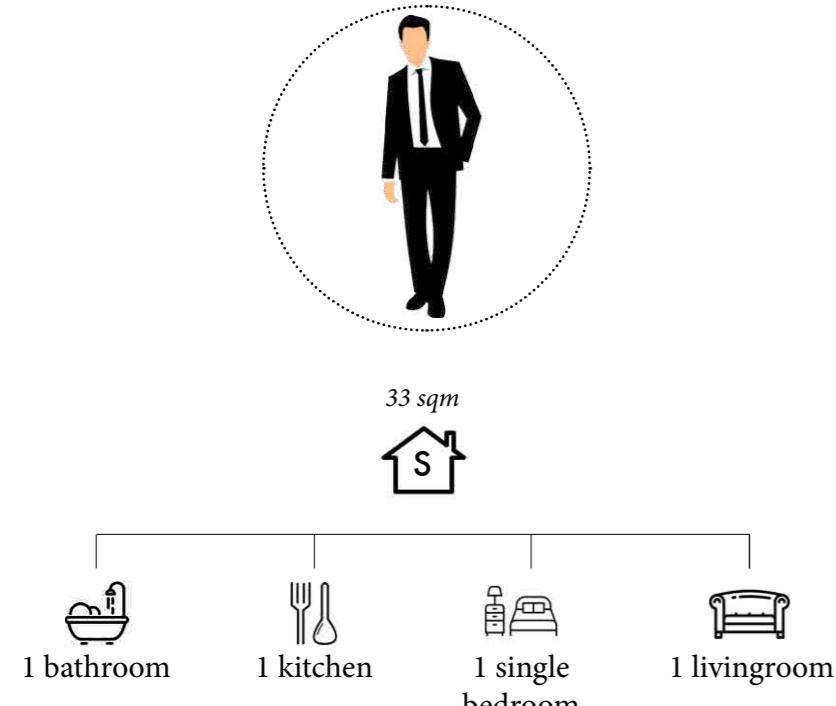


Single Adult



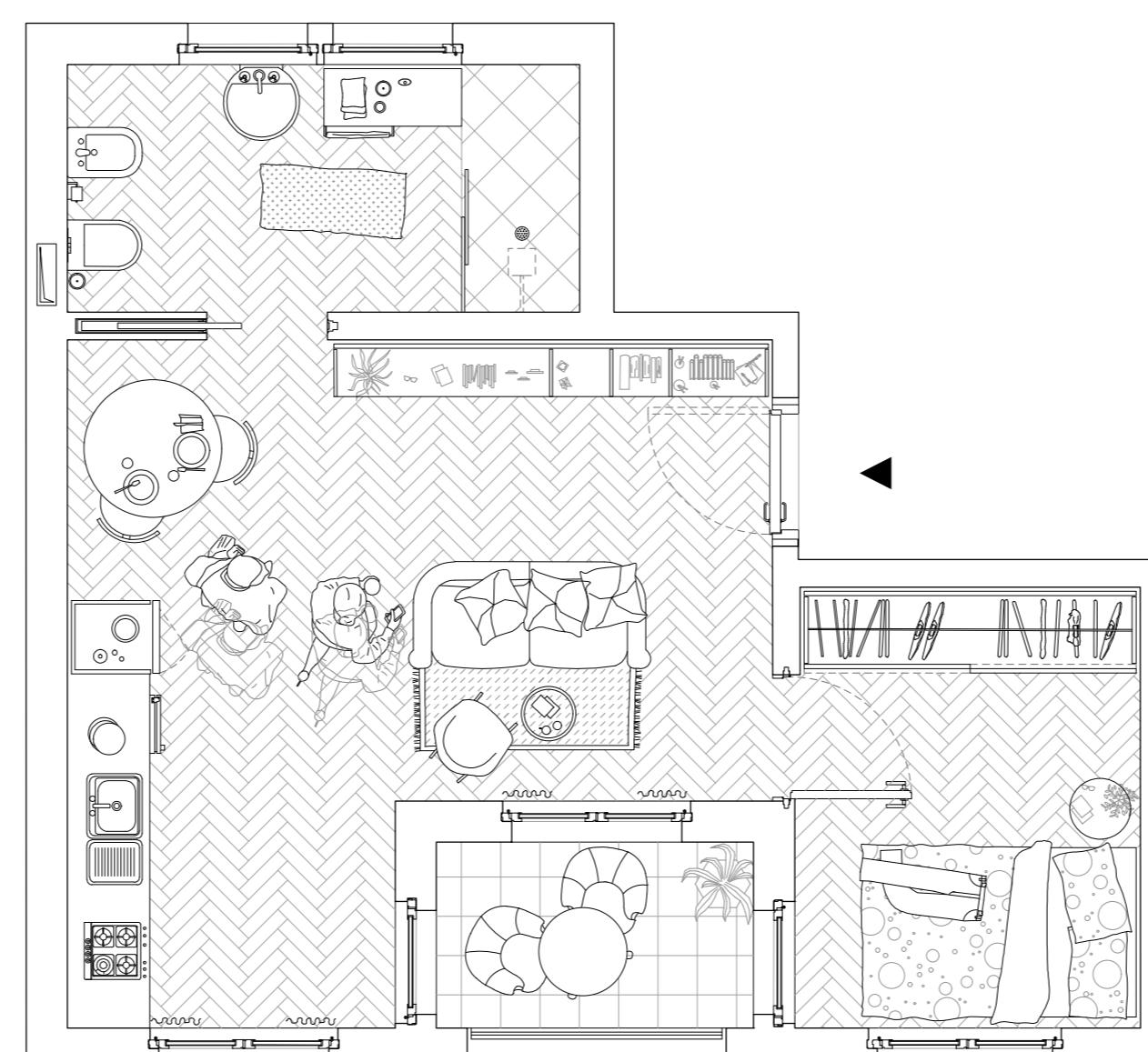
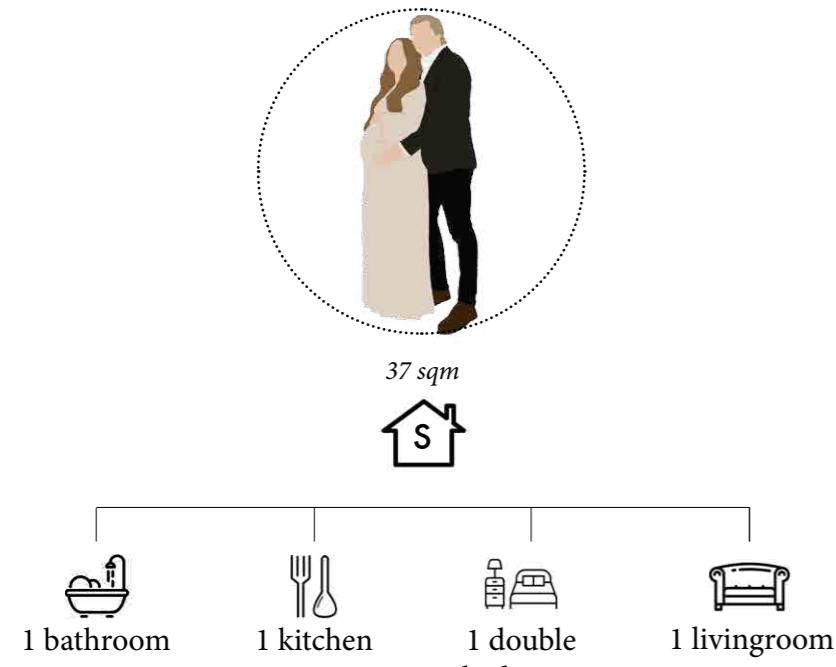
This category includes people who for personal reason or external forces are living alone.

Single Adult



This category includes people who for personal reason or external forces are living alone.

Couple

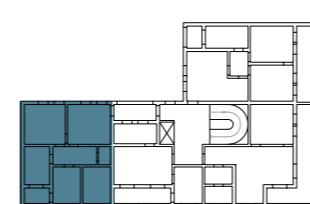


This category includes couples in a relationship without children (yet).

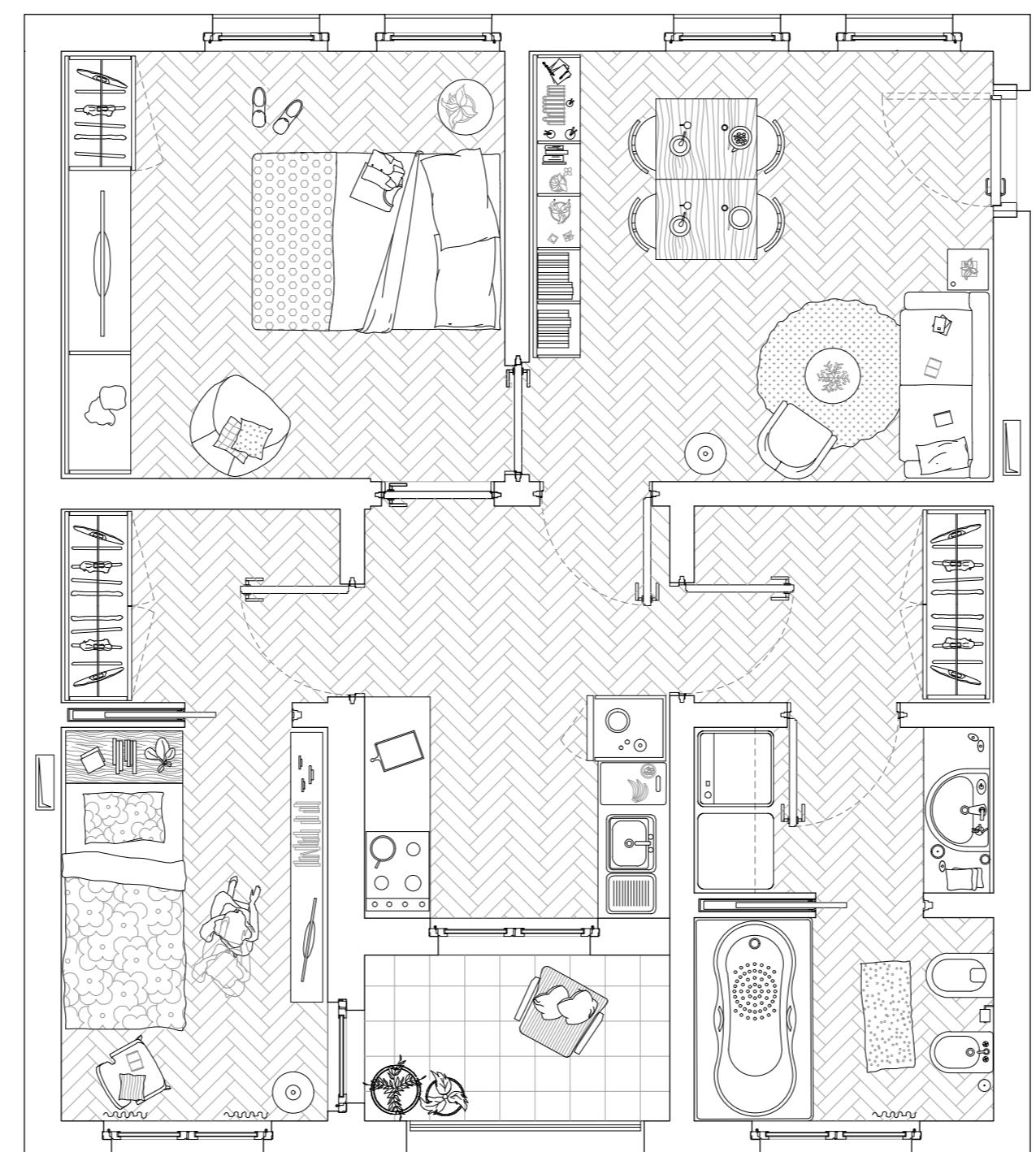
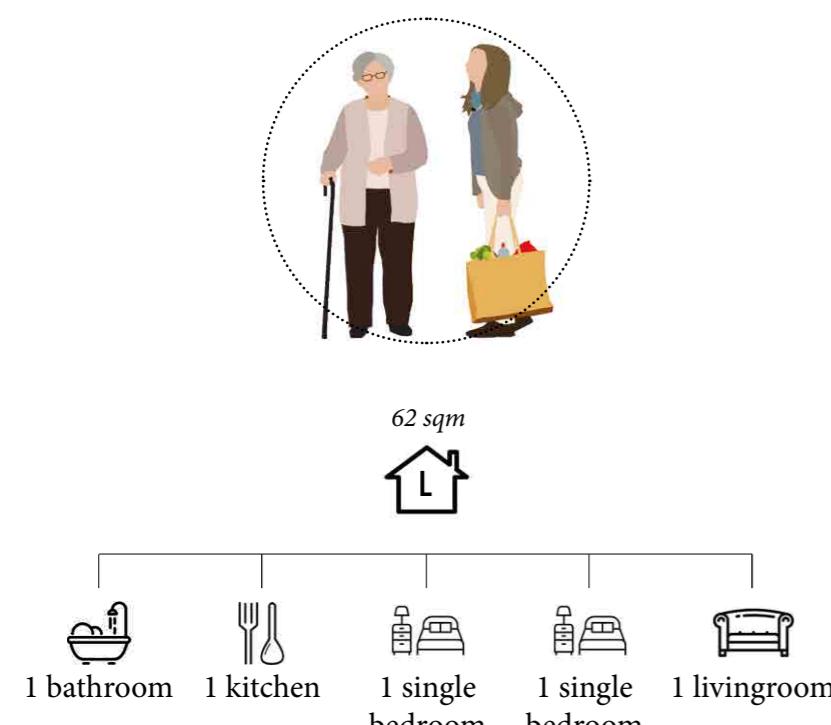
TYPOLOGICAL FLEXIBILITY

Apartment D : transformations according to users

0 2 m

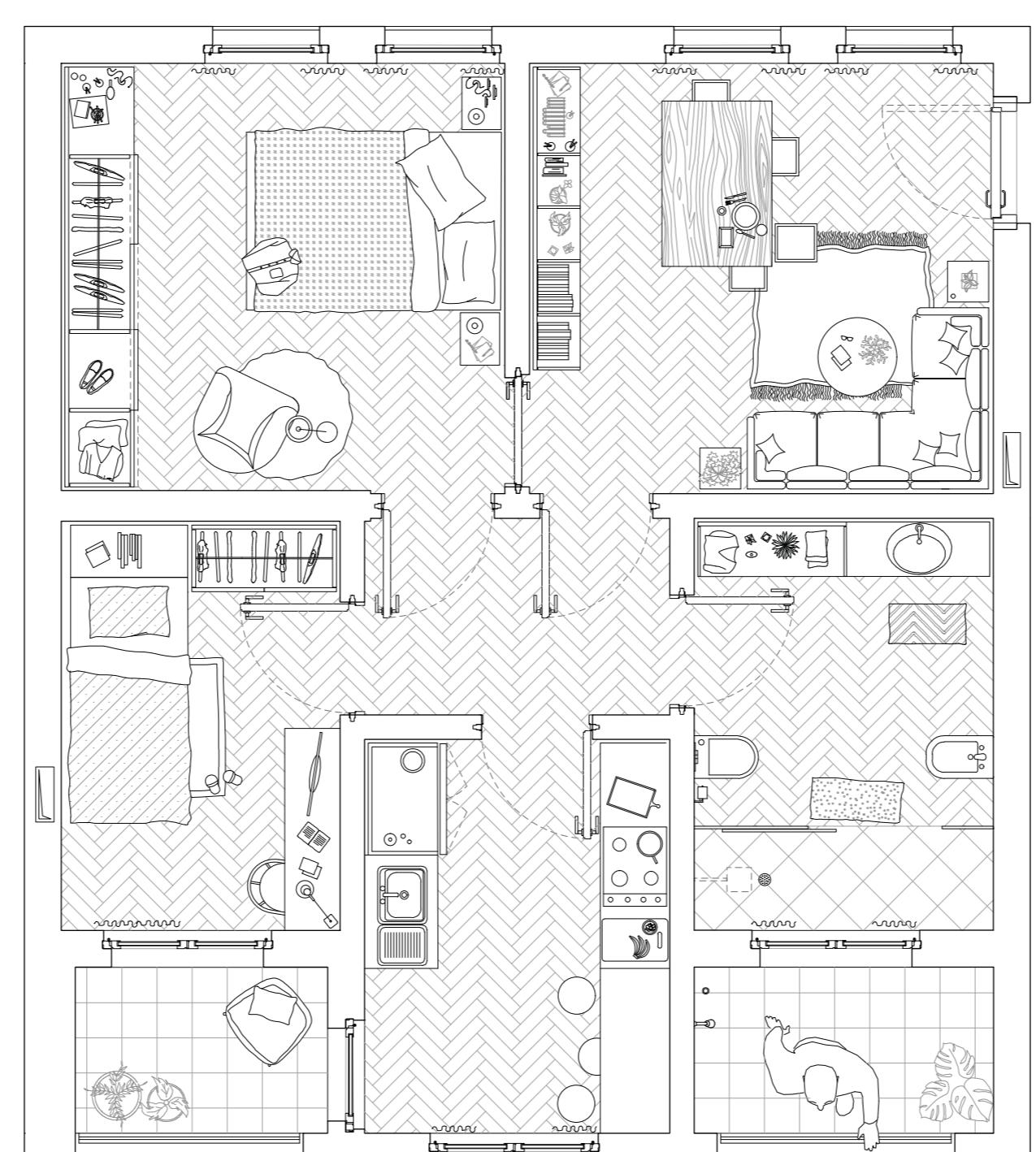


Adult + a Plus



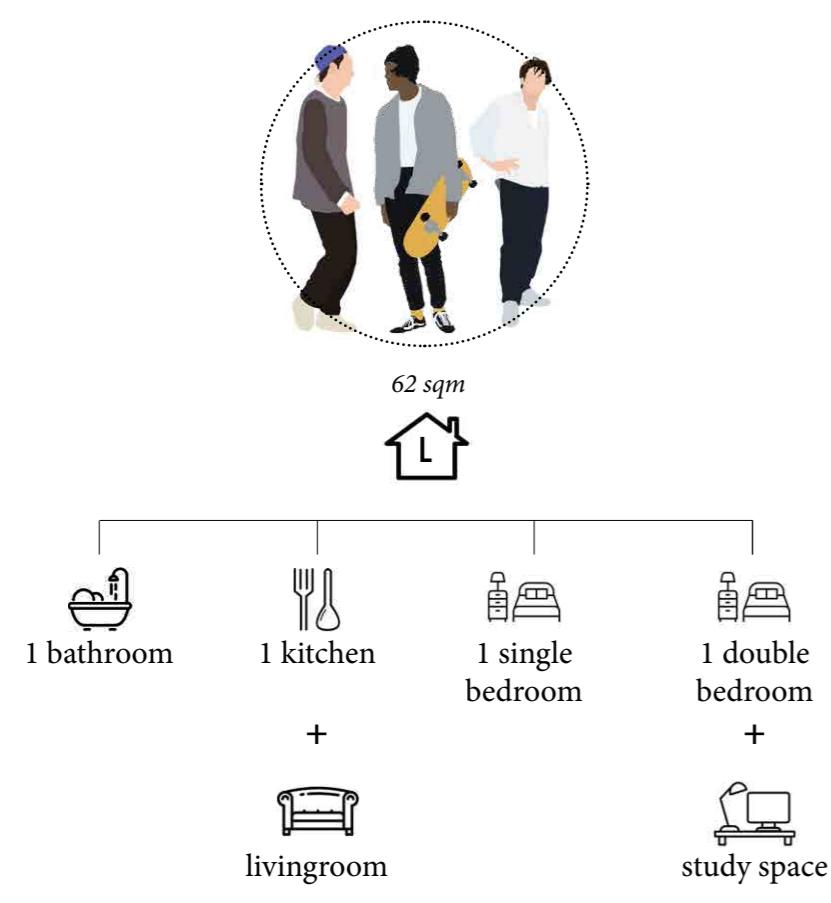
This category consists in single adult people living together.

Traditional Family



This category includes households composed by parents with children.

Adult + Adult(s)



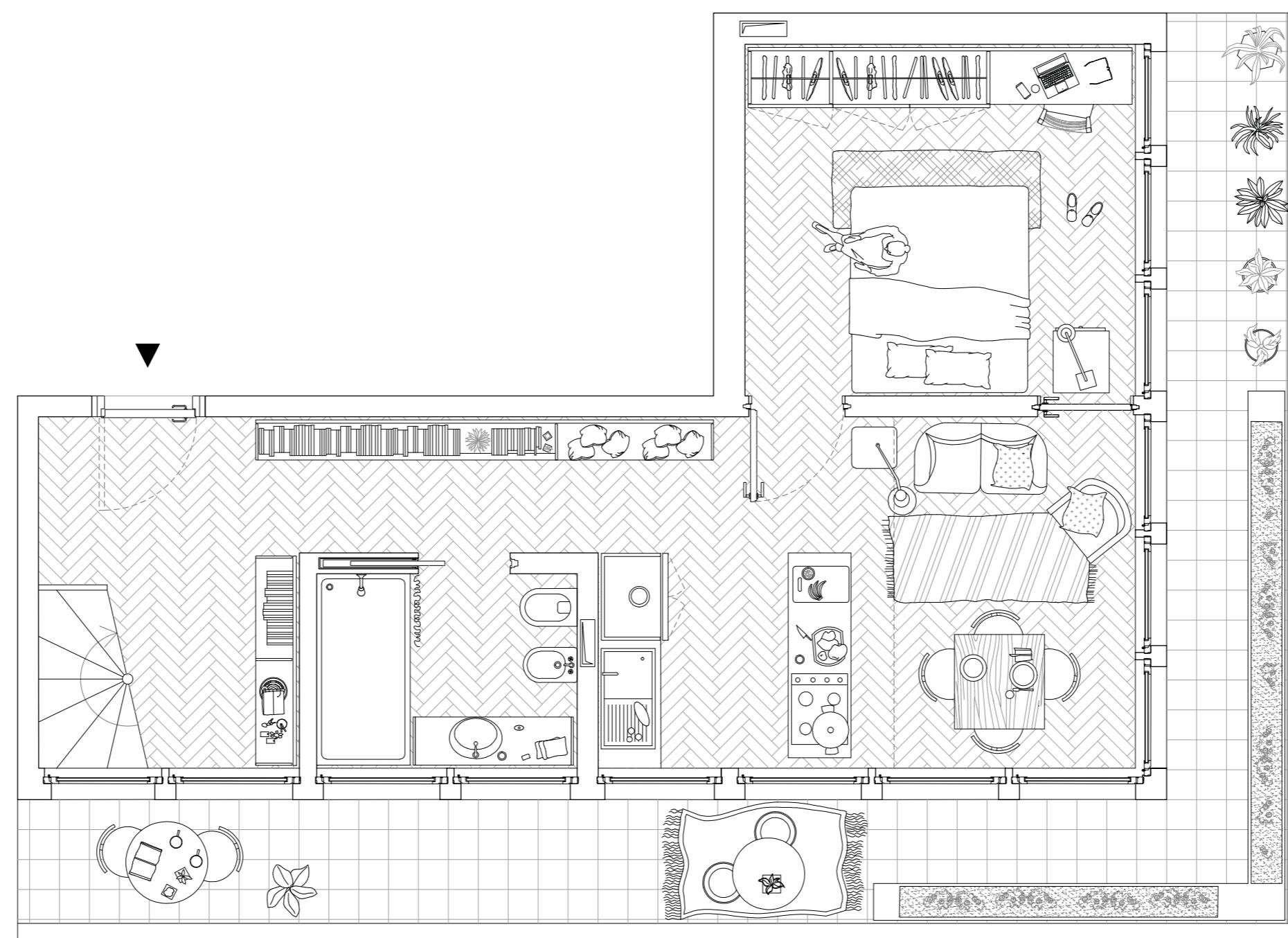
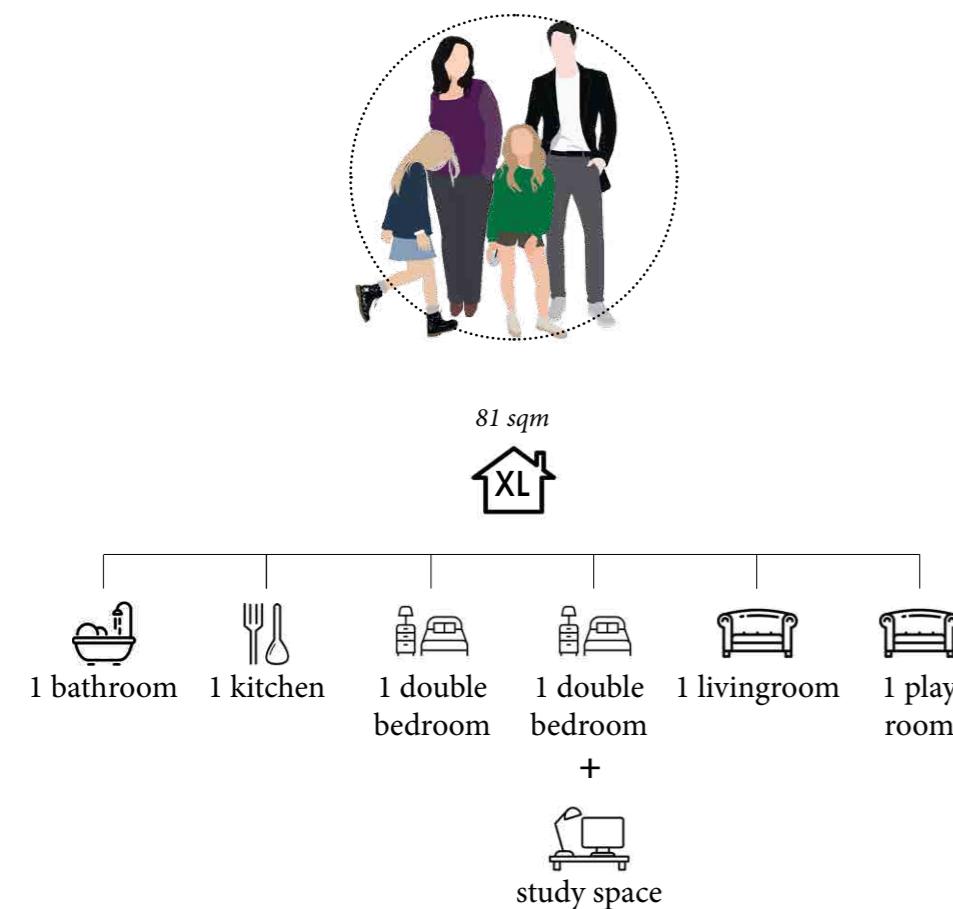
This category contains single independent adults that decide to live together.

TYPOLOGICAL FLEXIBILITY

Apartments Duplex : trasformations according to users

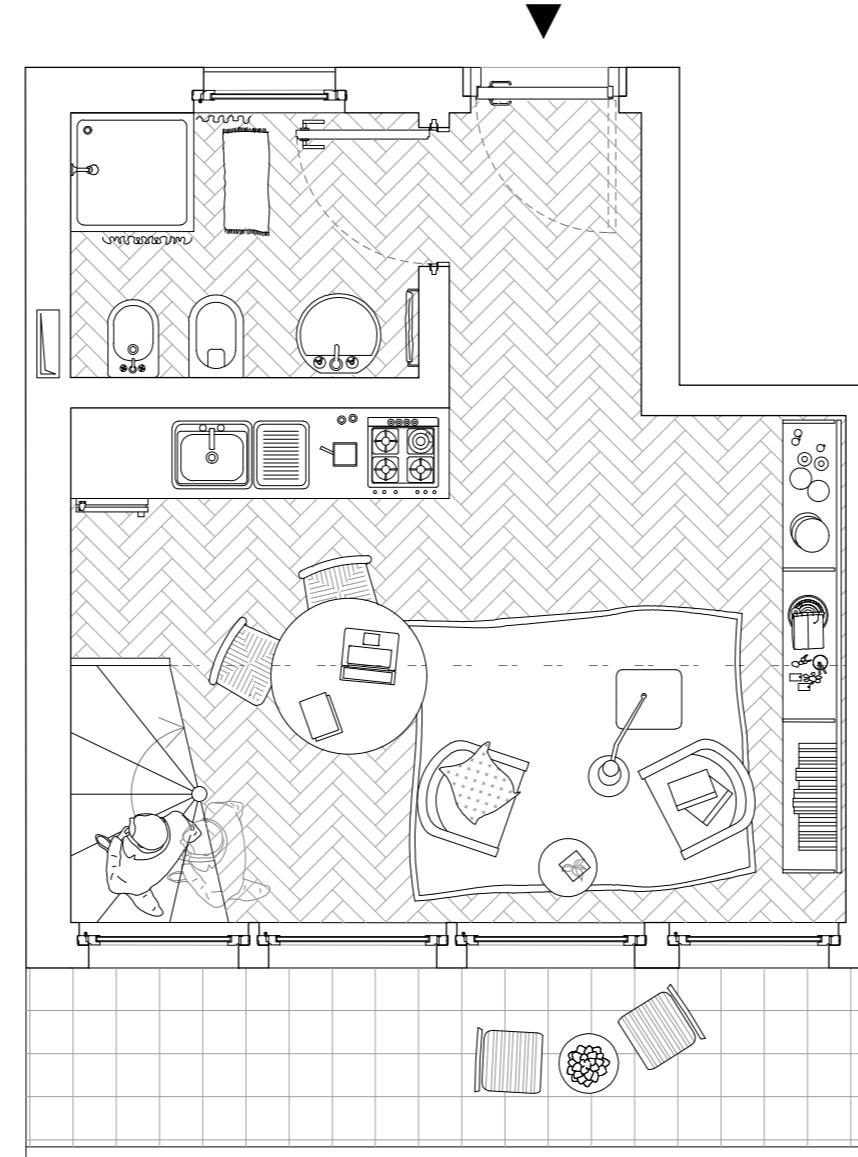
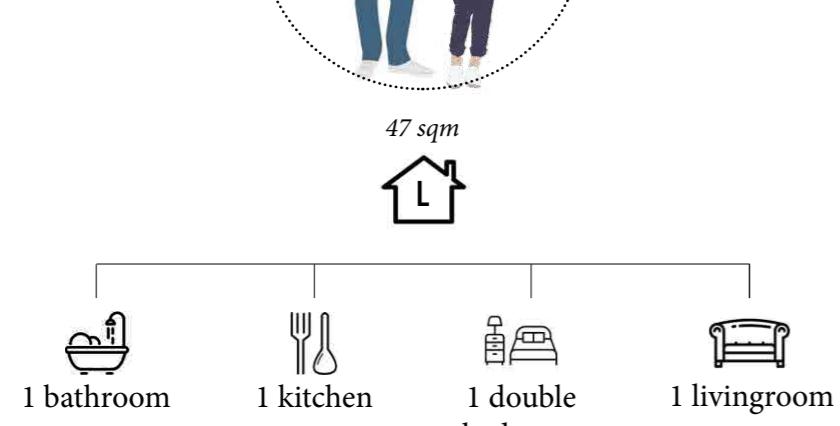
0 2 m

Traditional Family



This category includes households composed by parents with children.

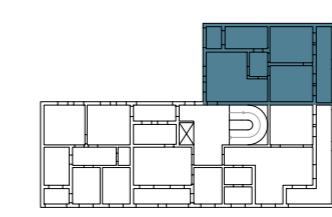
Couple



This category includes couples in a relationship without children (yet).

TYPOLOGICAL FLEXIBILITY

Apartment A : temporal trasformations



0 2 m

Fixed furniture

Daily movement

Circulation

Couple

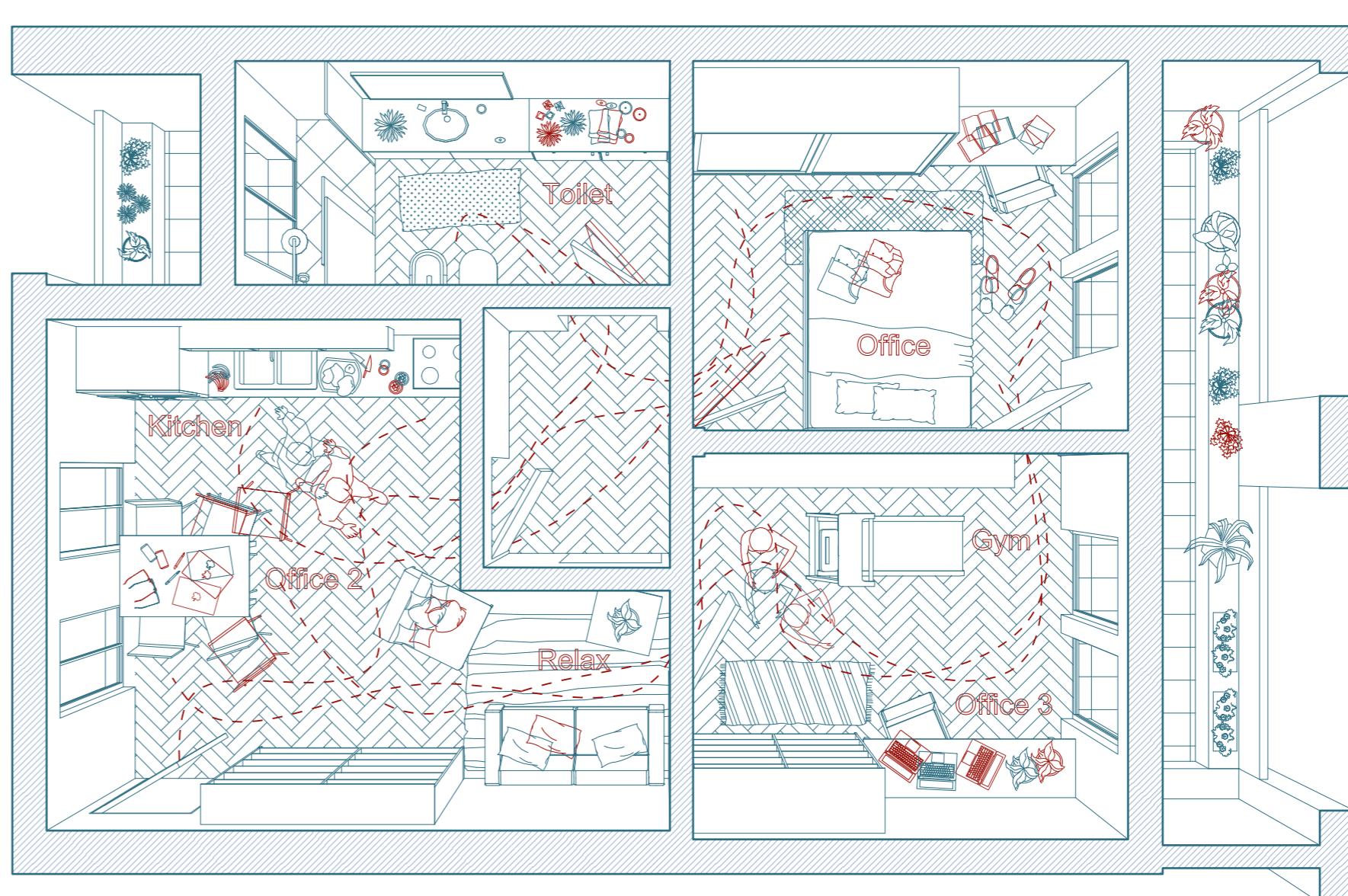
Alessandro, 30
Chiara, 27



Chiara and Alessandro moved in this apartment of 60 sqm made by an open space with a big Kitchen and Livingroom, one bedroom and a study room.

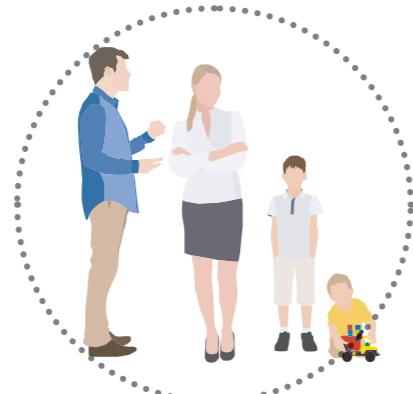
During the day this environment change in function, according to the usages.

TODAY



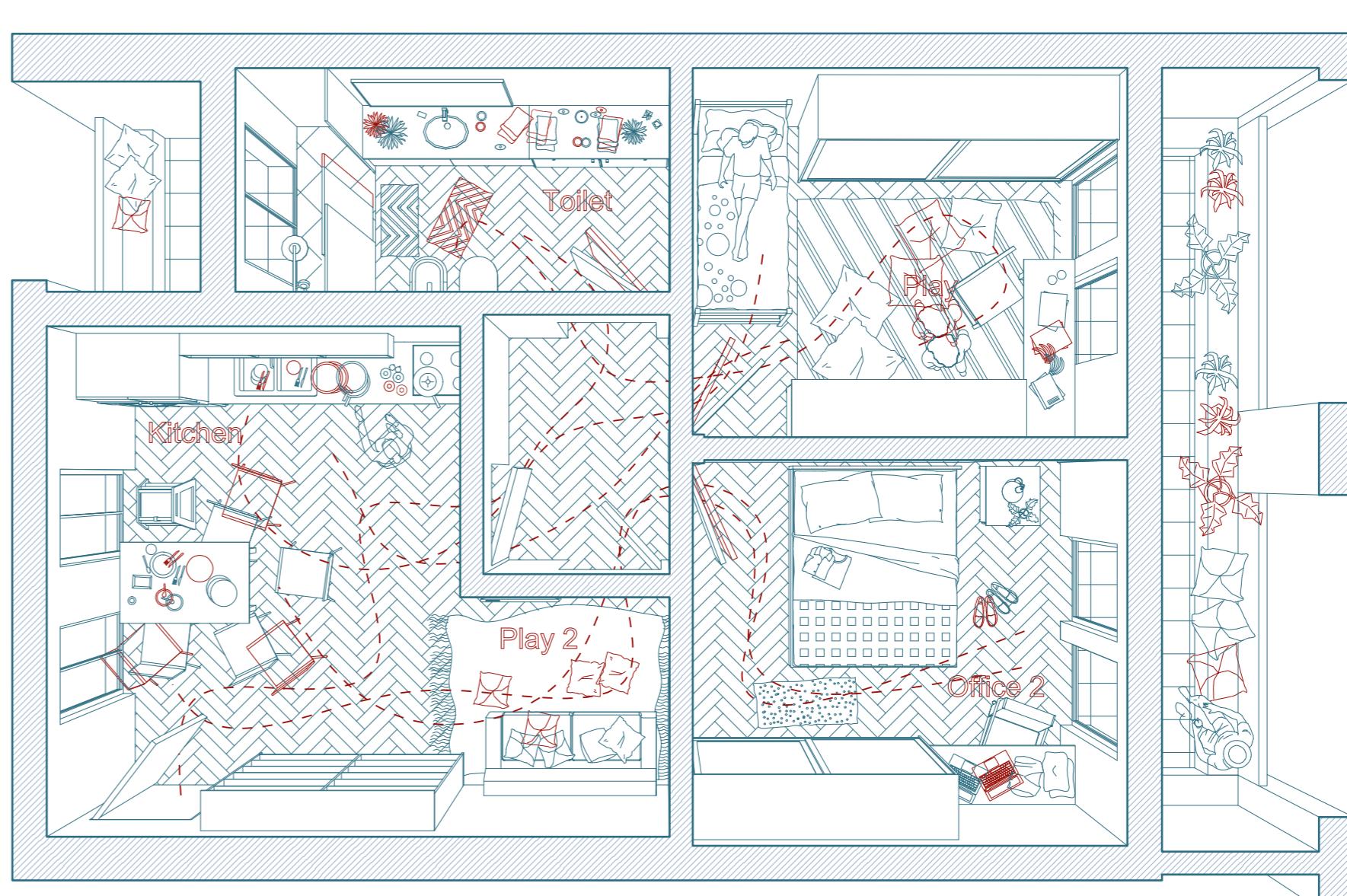
Family

Alessandro, 34
Chiara, 30
Giorgio, 4
Raffaele, 2



After four years the family increases: a rearrangement of the apartment is needed. The parents move the master bedroom in the old study room, and the other one become a double bedroom, with the space for the children to play.

4 YEARS LATER



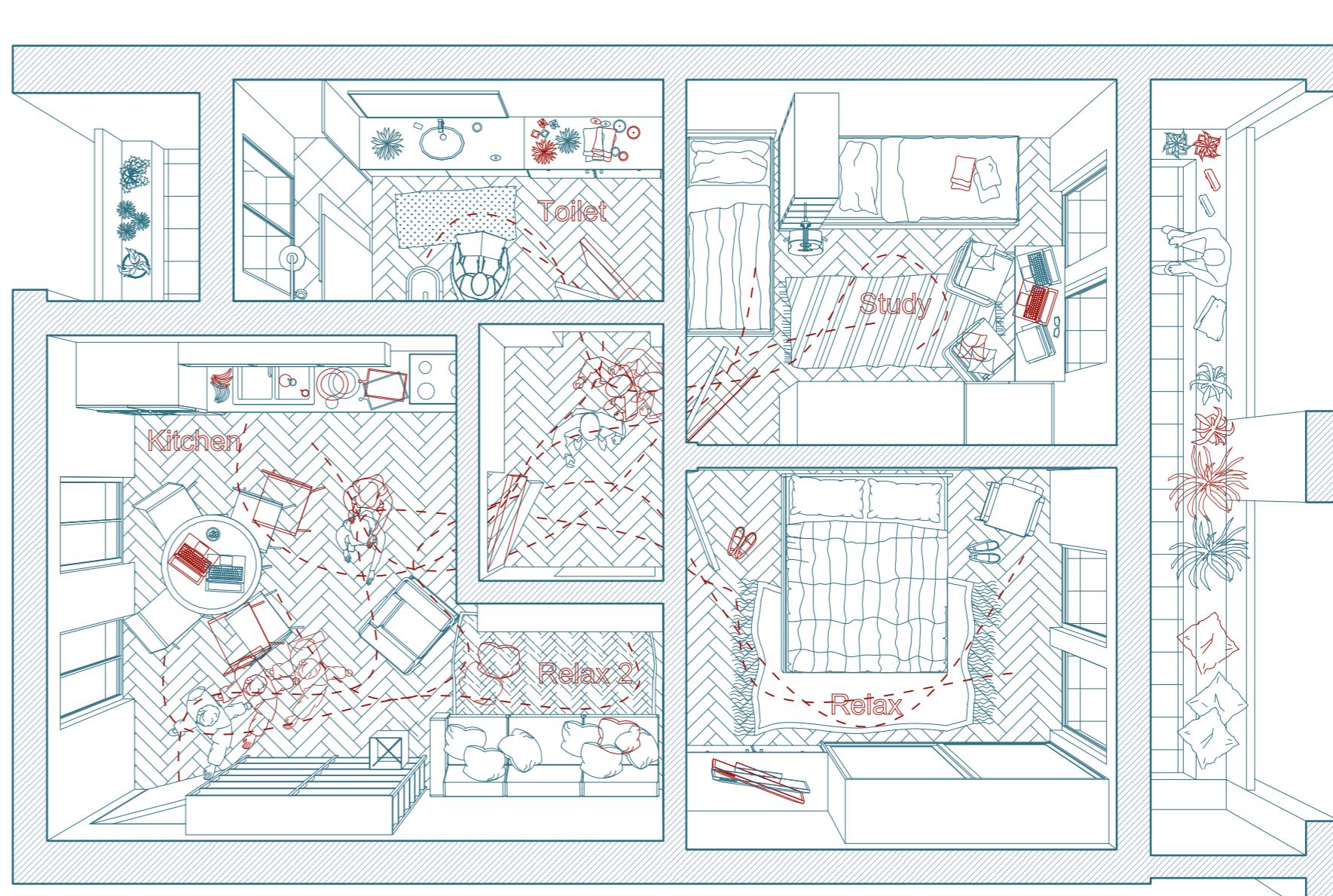
Family 2.0

Alessandro, 33
Chiara, 30
Giorgio, 20
Raffaele, 18



After twenty years the needs are different, and the changes are more and more. The boys, older, need more space to study or work, so that the furniture and the movements into the house change.

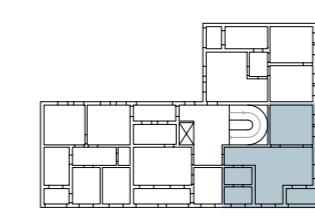
20 YEARS LATER



TYPOLOGICAL FLEXIBILITY

Apartment B : temporal trasformations

0 2 m



Fixed furniture

Daily movement

Circulation

Single worker

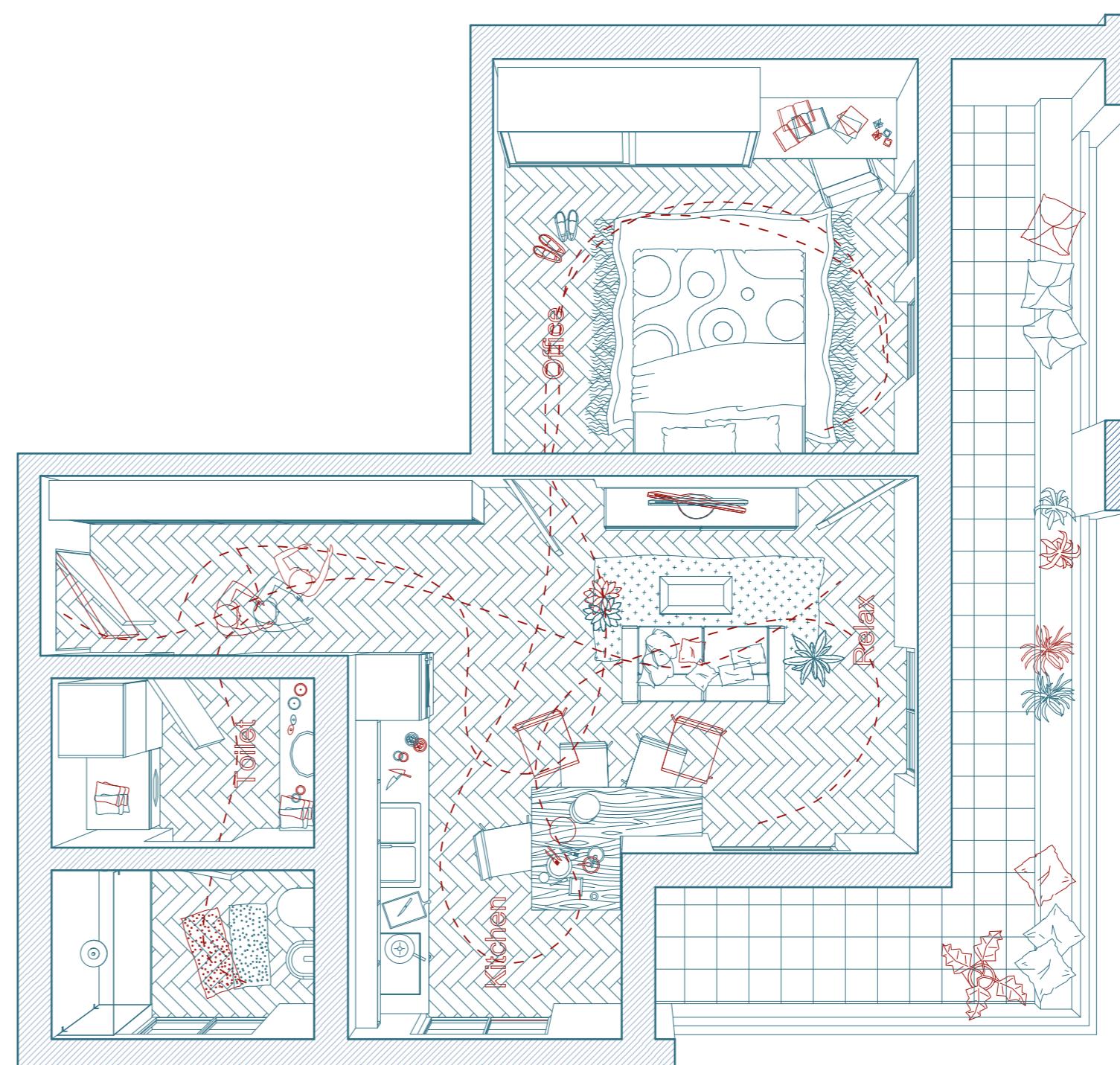
Pietro, 40



Pietro, is a university professor. Recently transferred to Milan for a fixed-term research contract with the Politecnico, he decides to live in a modest two-room apartment for a period of 3 years. Working a lot from home, he needs a space for the smart working.

Change of ownership.....

TODAY



Mother + daughter

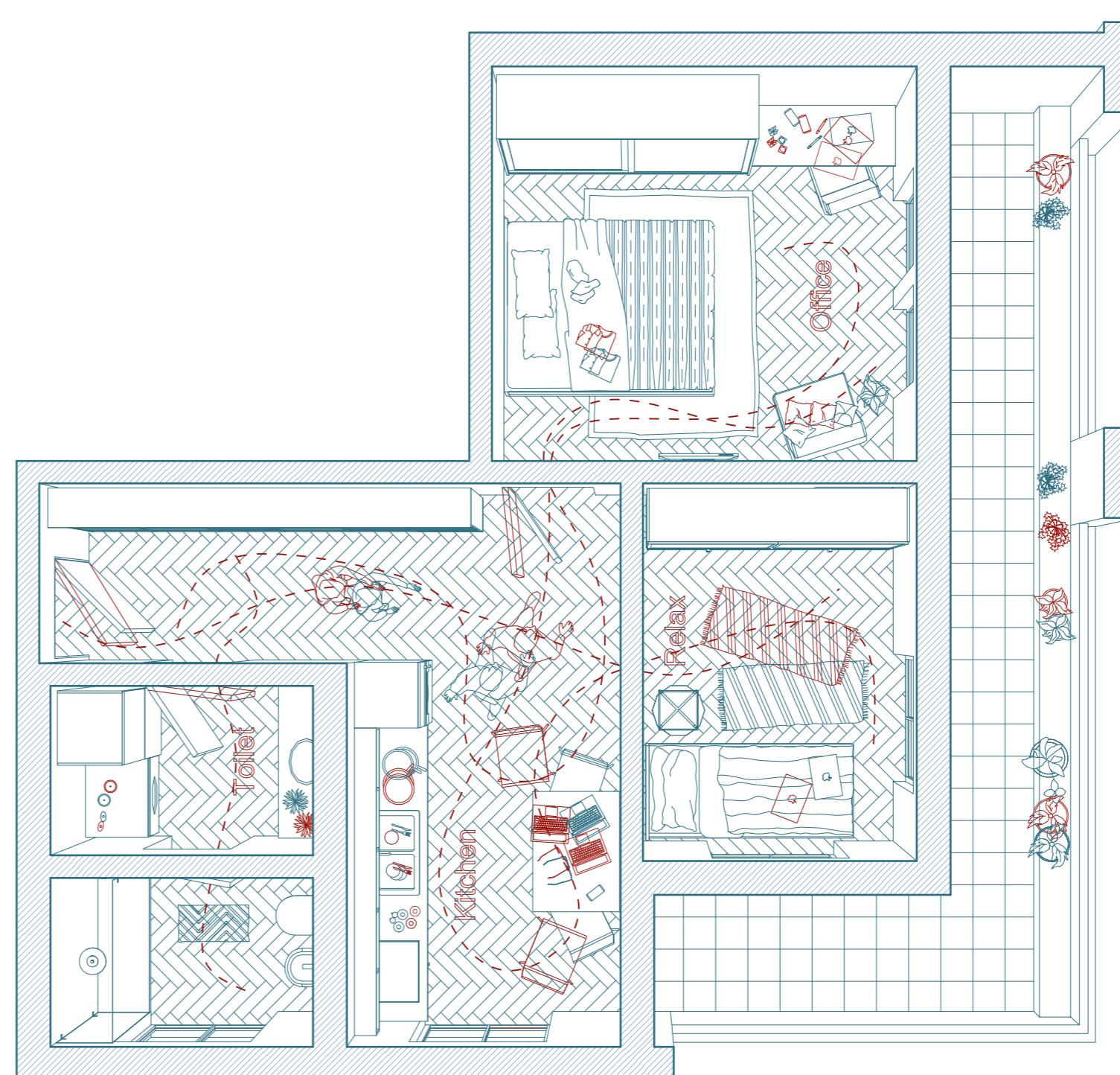
Rosina, 42
Emilia, 20



Rosina and Emilia are a family made by a mother and a daughter.

They take the place of the old dweller in this apartment, and they decided to rearrange the space for a better living. They decide to divide the old living room to have a small room for Emilia.

4 YEARS LATER



Grandmother + granddaughter

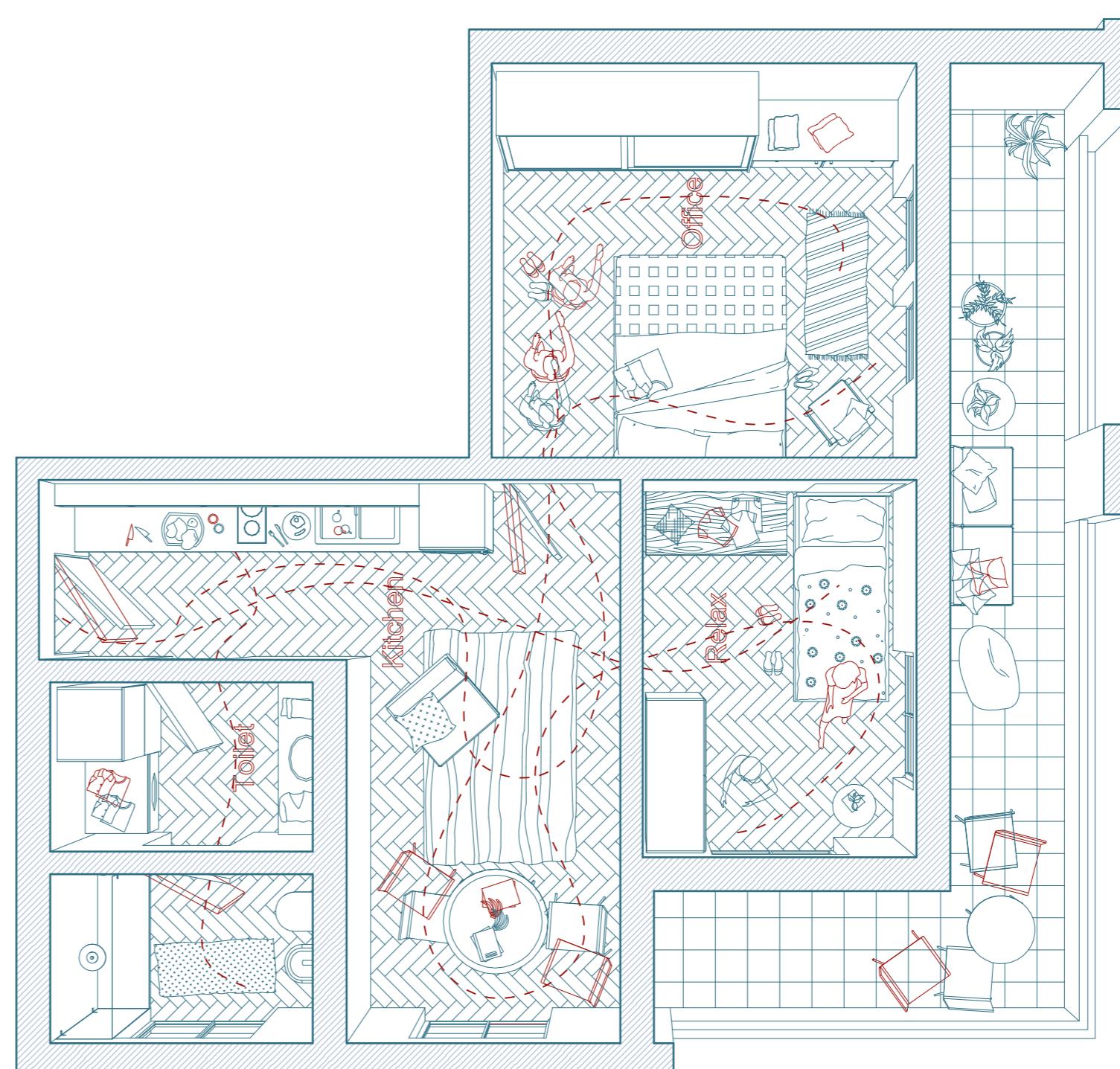
Rosina, 62
Giusy, 13



After thirty years Rosina's daughter is living in Paris for work and her granddaughter, Giusy, decides to live with her, to attend the last year of first grade high school, before the university.

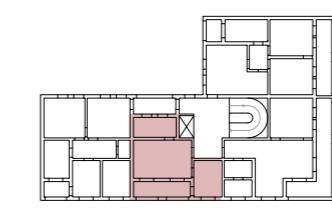
After all these years, Rosina decided to renovate her apartment moving the kitchen near the entrance hall, in order to have more space for the livingroom.

20 YEARS LATER



TYPOLOGICAL FLEXIBILITY

Apartment C : temporal trasformations



0 2 m

Fixed furniture

Daily movement

Circulation

Single student

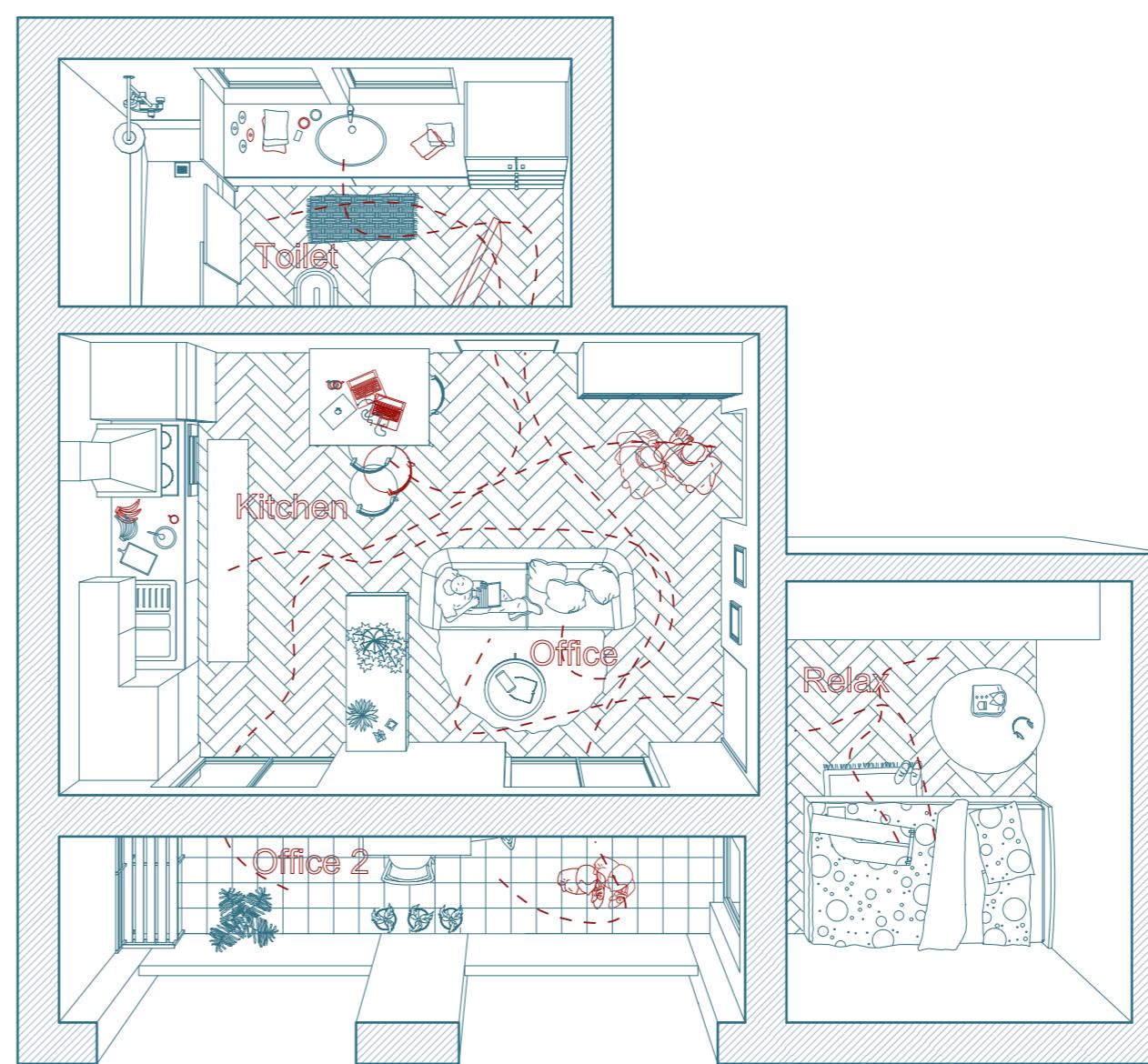
Giuseppe, 23



Giuseppe, a 23 years old student, after years of living in a student house, decides to live alone, in order to have more privacy.

With a single bedroom and a big open space of kitchen and living room, is able to study and to host friends.

TODAY



Couple

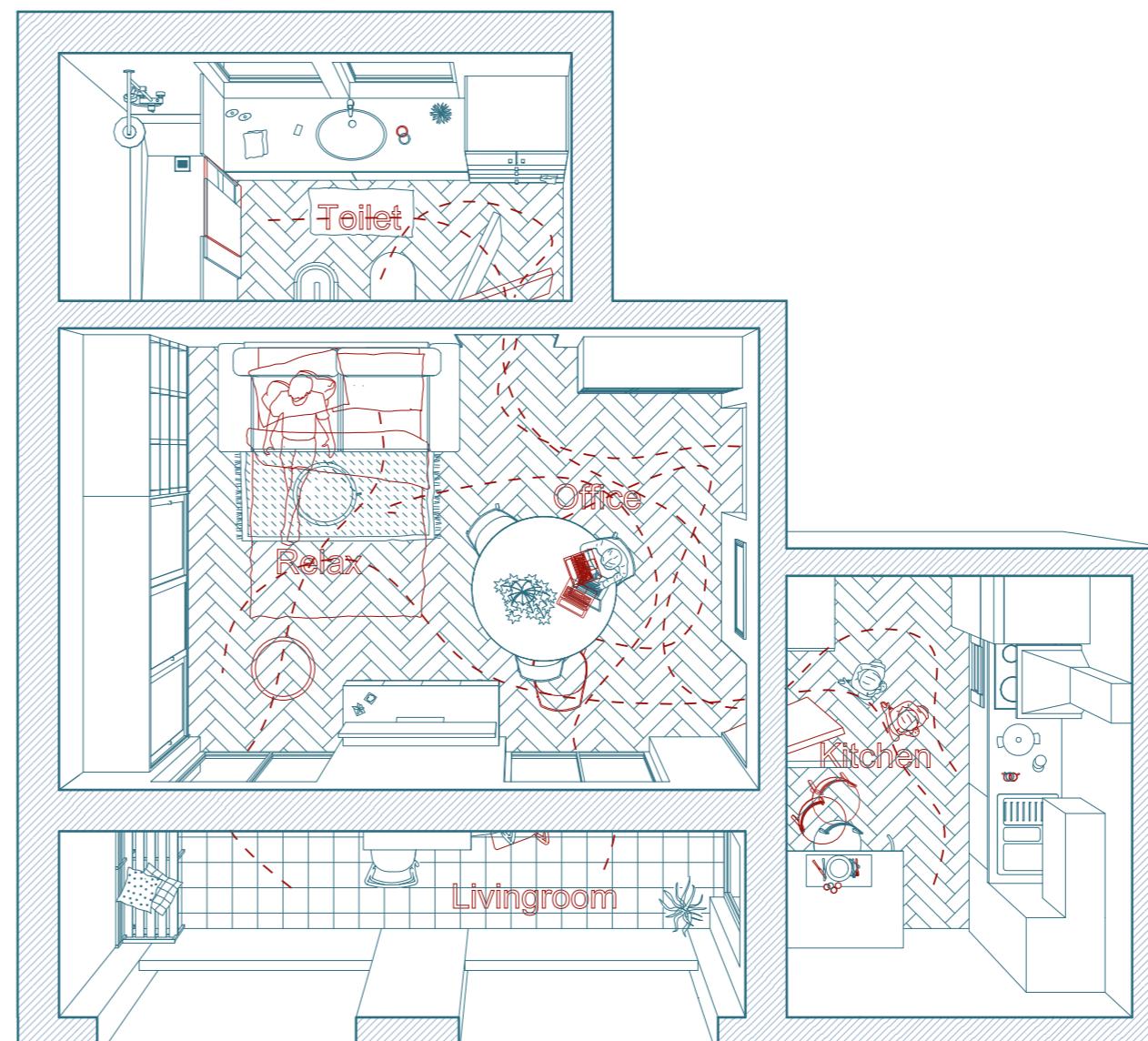
Giuseppe, 28
Carla, 27



After four years, Giuseppe decides to accommodate his girlfriend Carla with him.

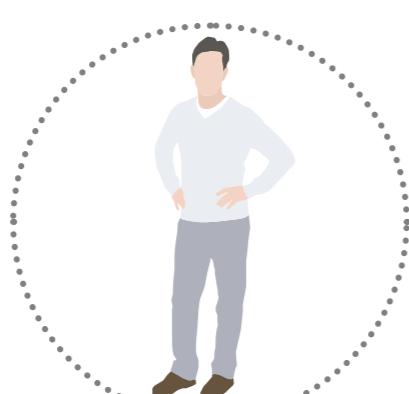
For this reason he renovates the apartment, moving the kitchen in the single room and transforming the living room with a sofa bed, in a temporary solution.

4 YEARS LATER



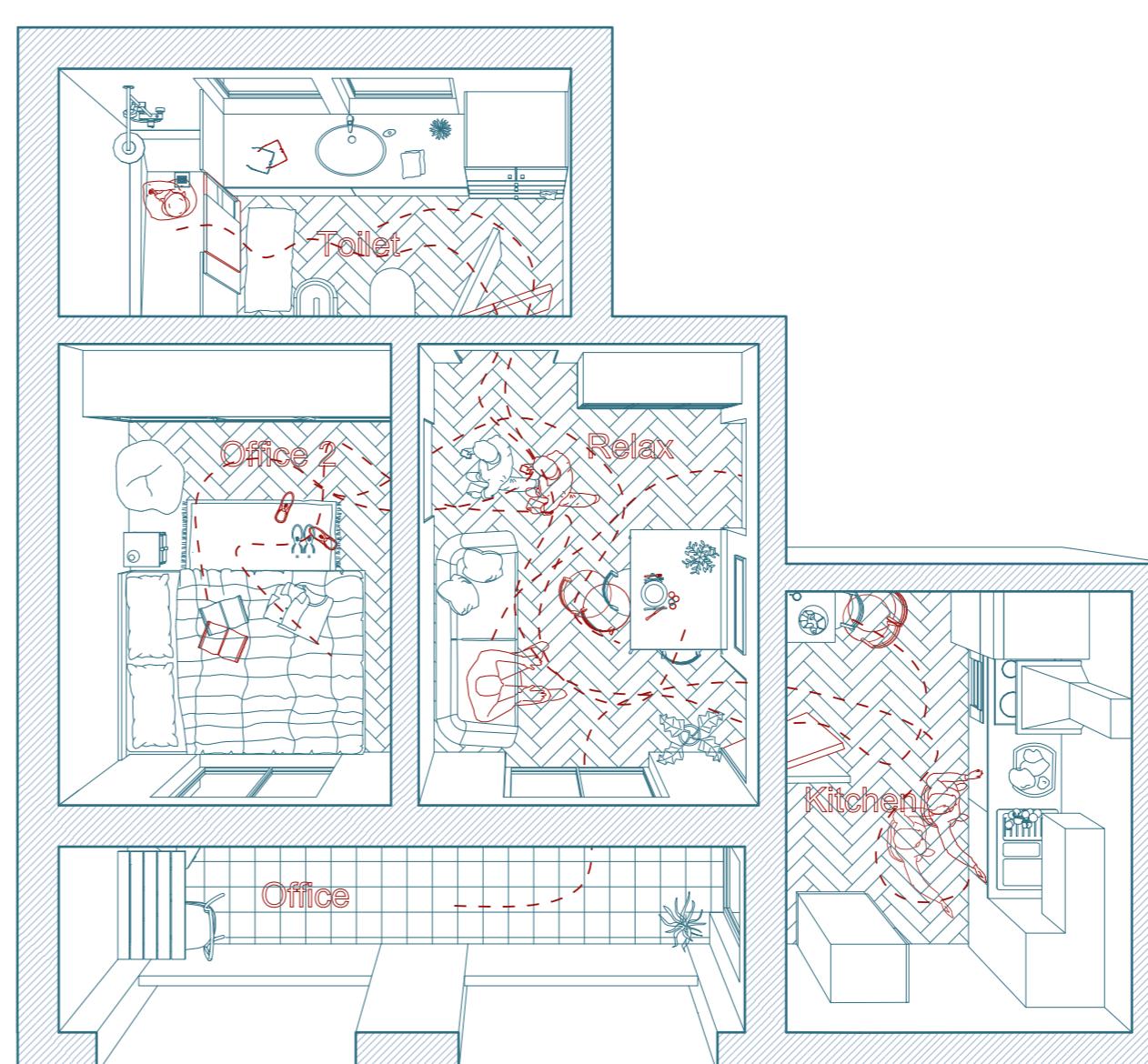
Adult worker

Giuseppe, 43



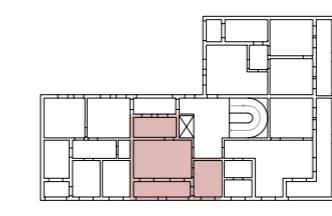
Giuseppe and Carla moved 10 years ago in France, but he still needs an accommodation for temporary solution, when he has to give medical seminars in Milan.

20 YEARS LATER



TYPOLOGICAL FLEXIBILITY

Apartment C : temporal trasformations



0 2 m

Fixed furniture

Daily movement

Circulation

Single student

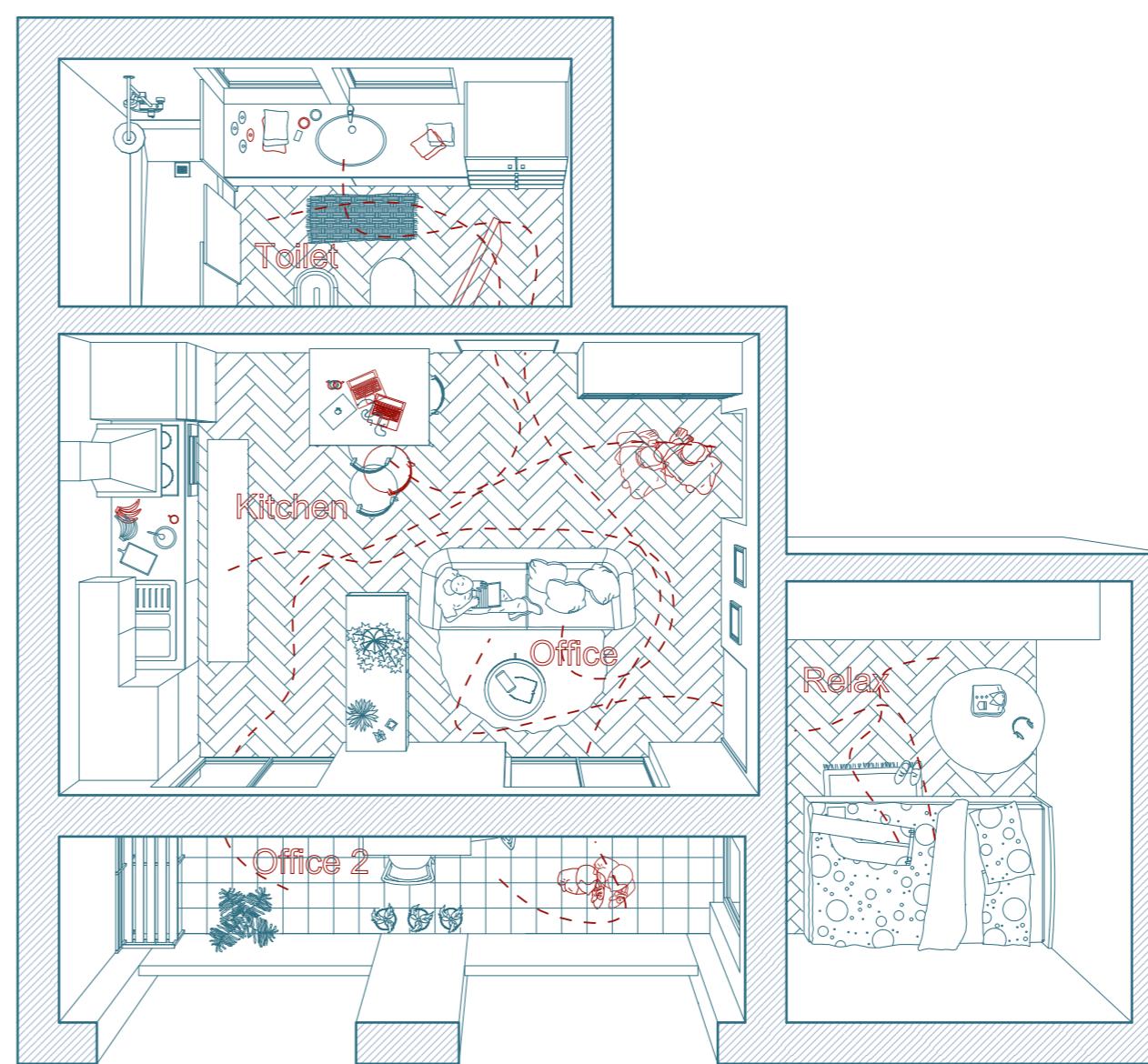
Giuseppe, 23



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With a single bedroom and a big open space of kitchen and living room, is able to study and to host friends.

TODAY



Couple

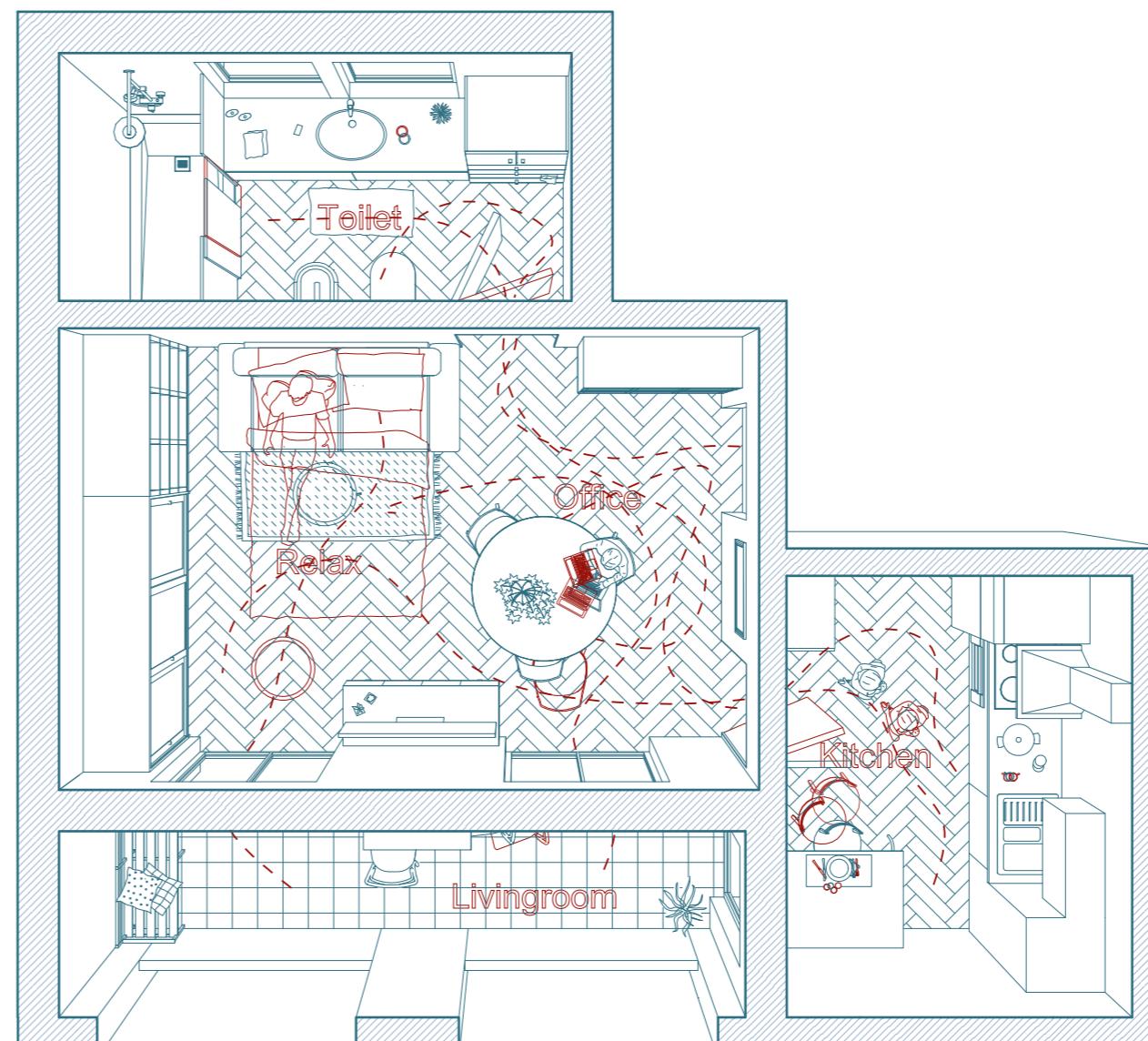
Giuseppe, 28
Carla, 27



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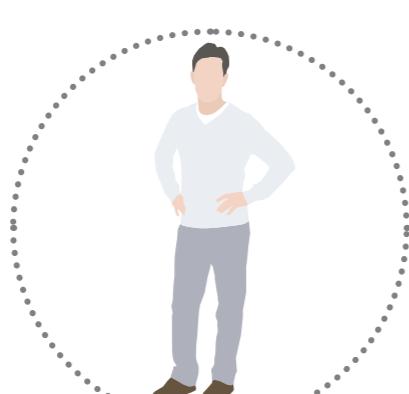
For this reason he renovates the apartment, moving the kitchen in the single room and transforming the living room with a sofa bed, in a temporary solution.

4 YEARS LATER



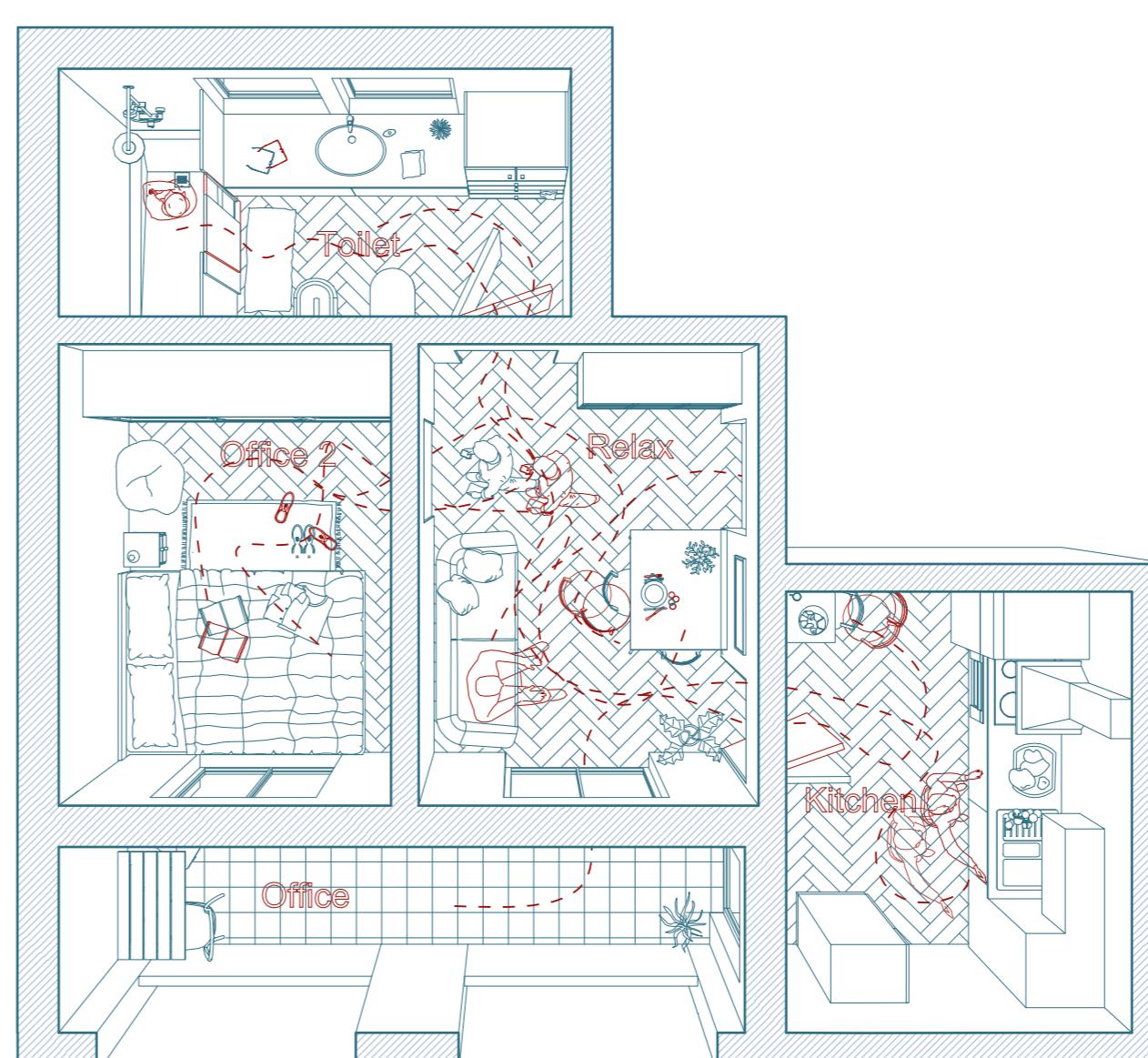
Adult worker

Giuseppe, 43



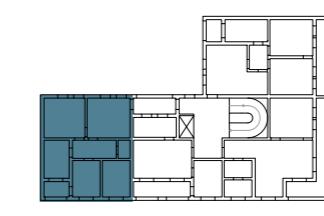
Giuseppe and Carla moved 10 years ago in France, but he still needs an accommodation for temporary solution, when he has to give medical seminars in Milan.

20 YEARS LATER



TYPOLOGICAL FLEXIBILITY

Apartment D : temporal trasformations



0 2 m

Fixed furniture

Daily movement

Circulation

Family

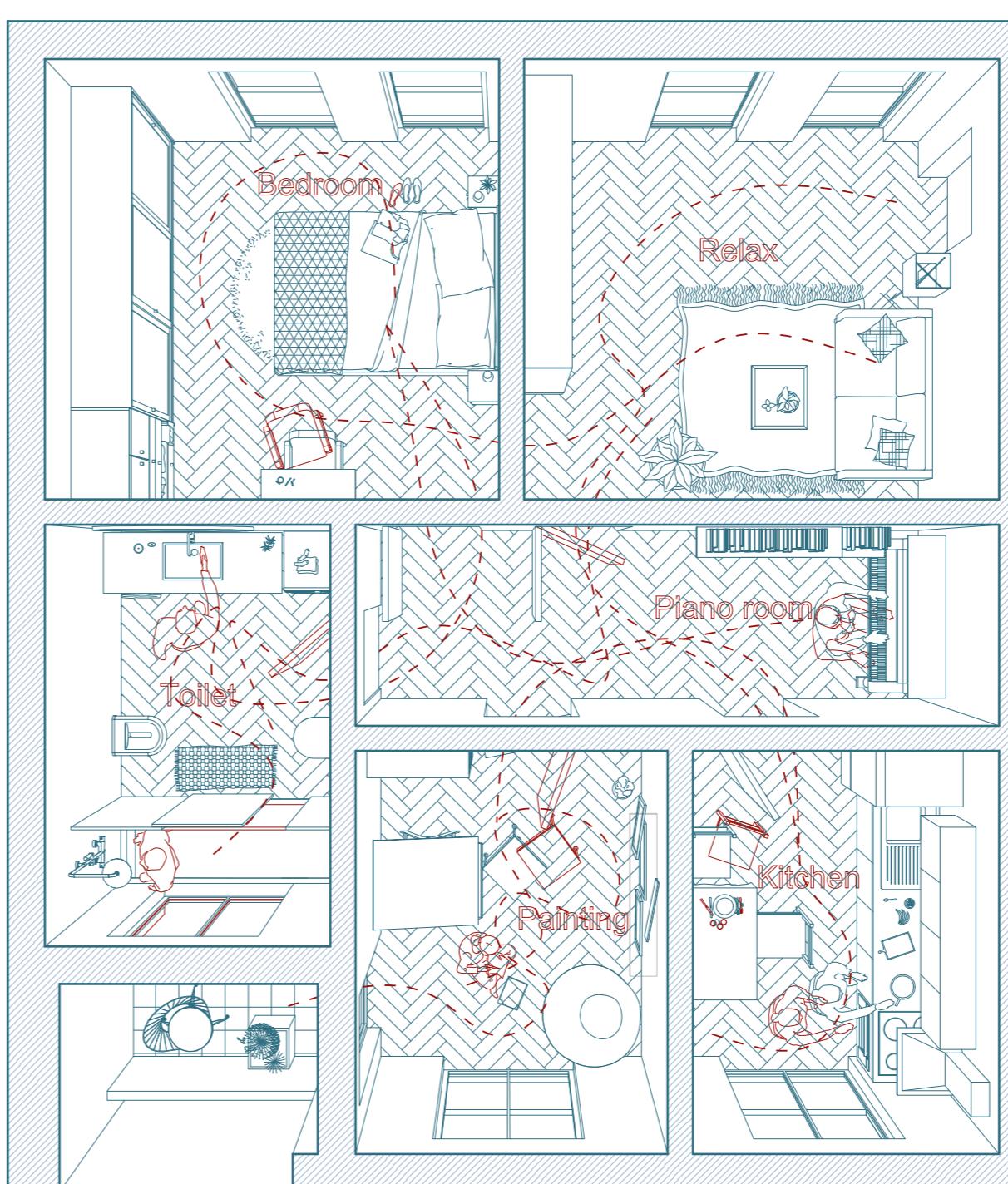
Nicolò, 48
Giorgia, 45



Nicolò and Giorgia have been married for 15 years. She is a doctor and he is an artist.

He loves to play piano, and he has a painting studio, because he is professor of artistic disciplines. On the contrary, she works all day outdoor.

TODAY



Family + erasmus

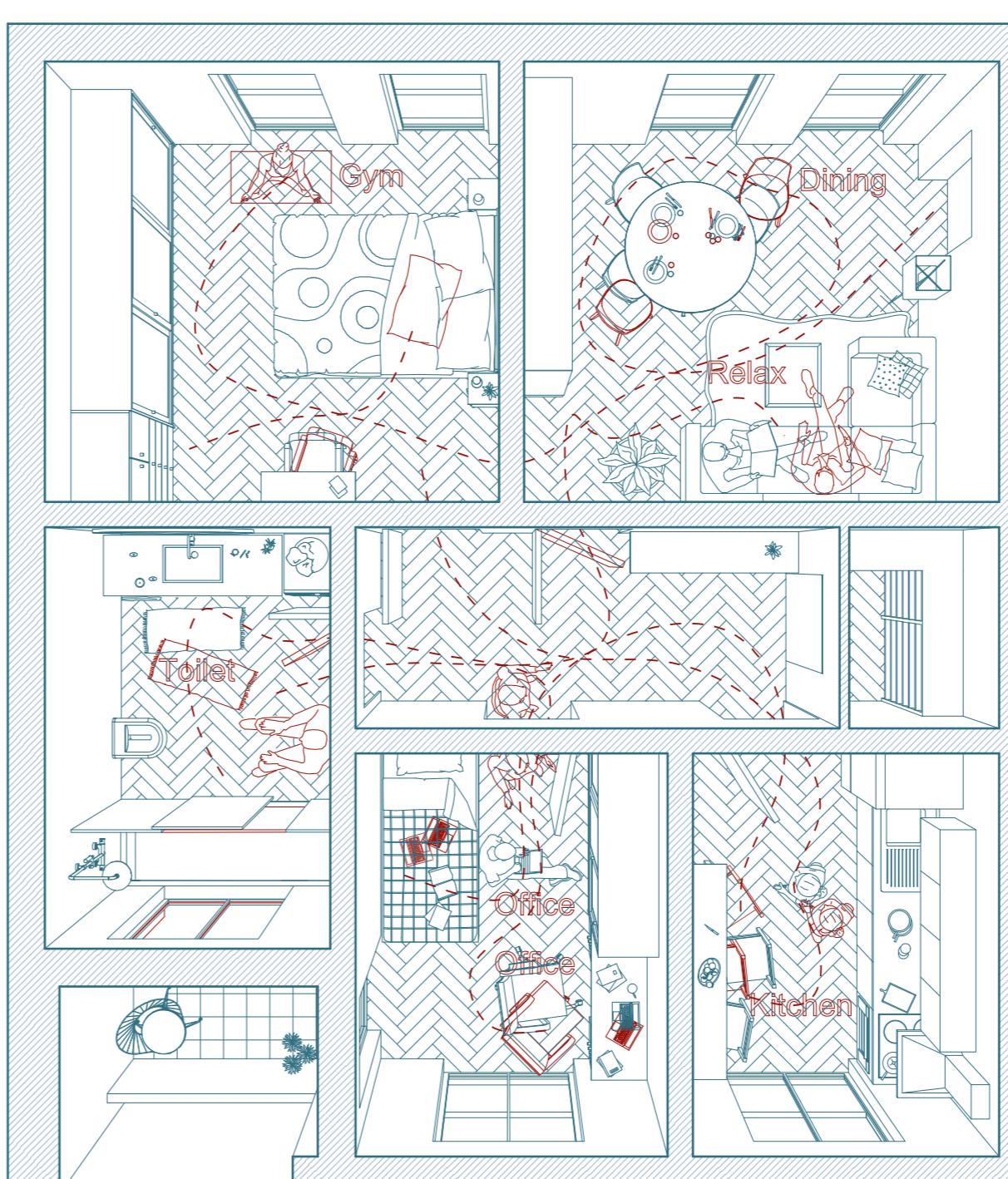
Nicolò, 52
Giorgia, 49
Milo, 24



Nicolò and Giorgia cannot have sons, so they decided to accommodate other people in their house. Today there is Milo, a Greek student in Erasmus in Milan.

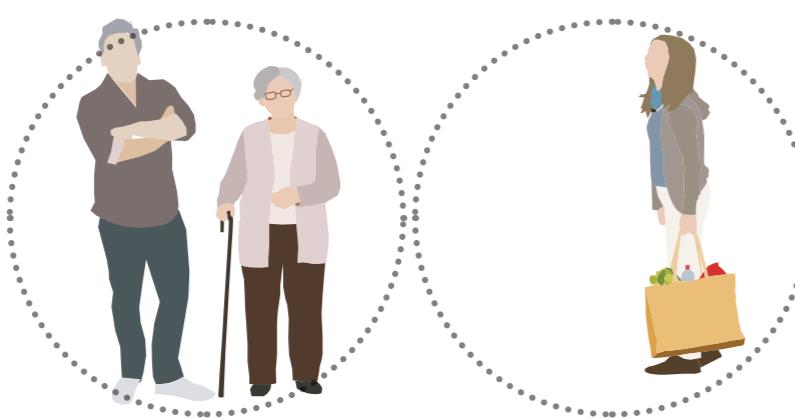
They arranged a room in the old Nicolò's painting room for their guest.

4 YEARS LATER



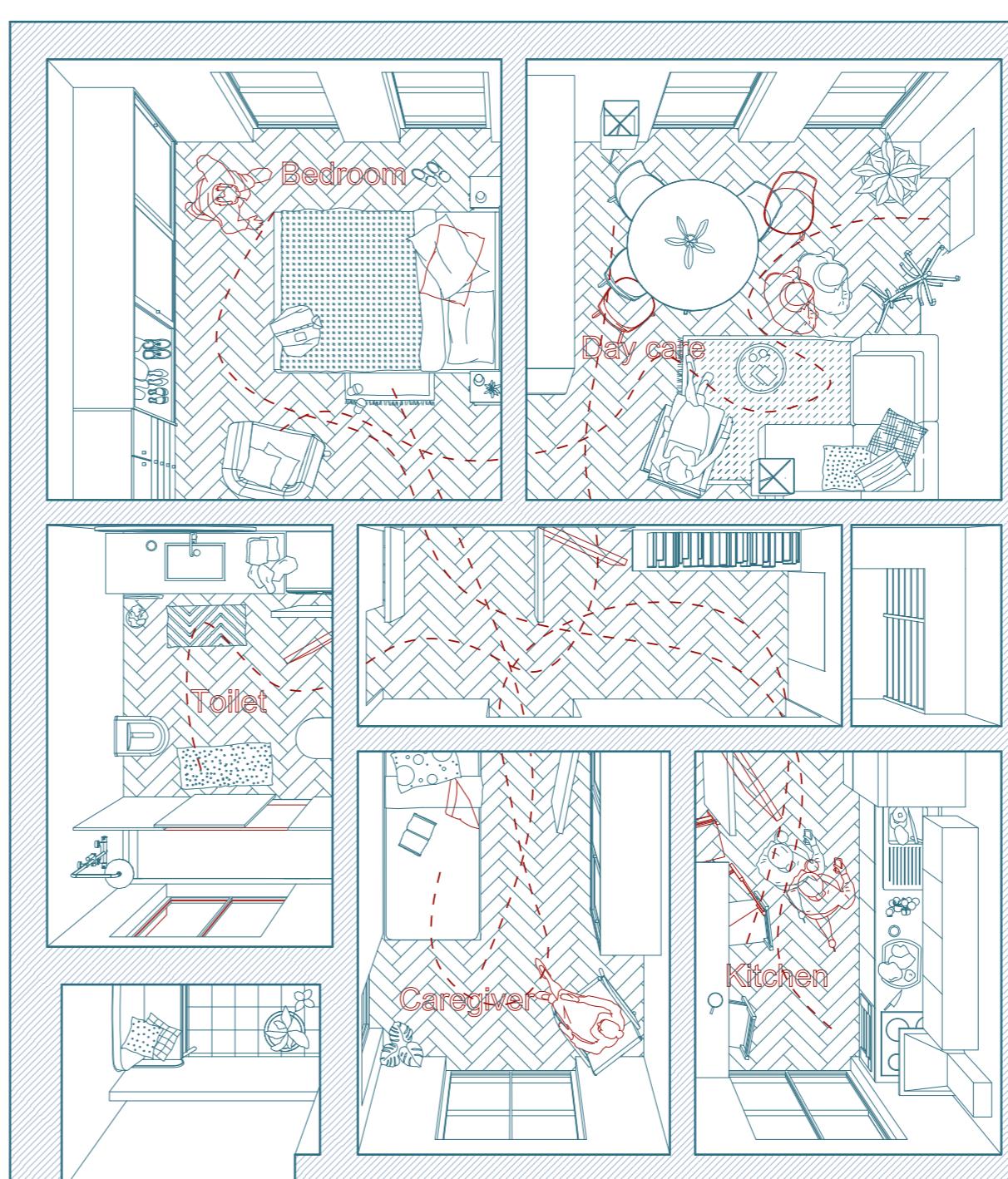
Retired people + caregiver

Nicolò, 82
Giorgia, 79
Carmen, 38



After twenty years, Nicolò and Giorgia, retired people, need care. For this reason they rearrange the guest room for the caregiver, Carmen. In this way she can have her own room and privacy, and help them everyday.

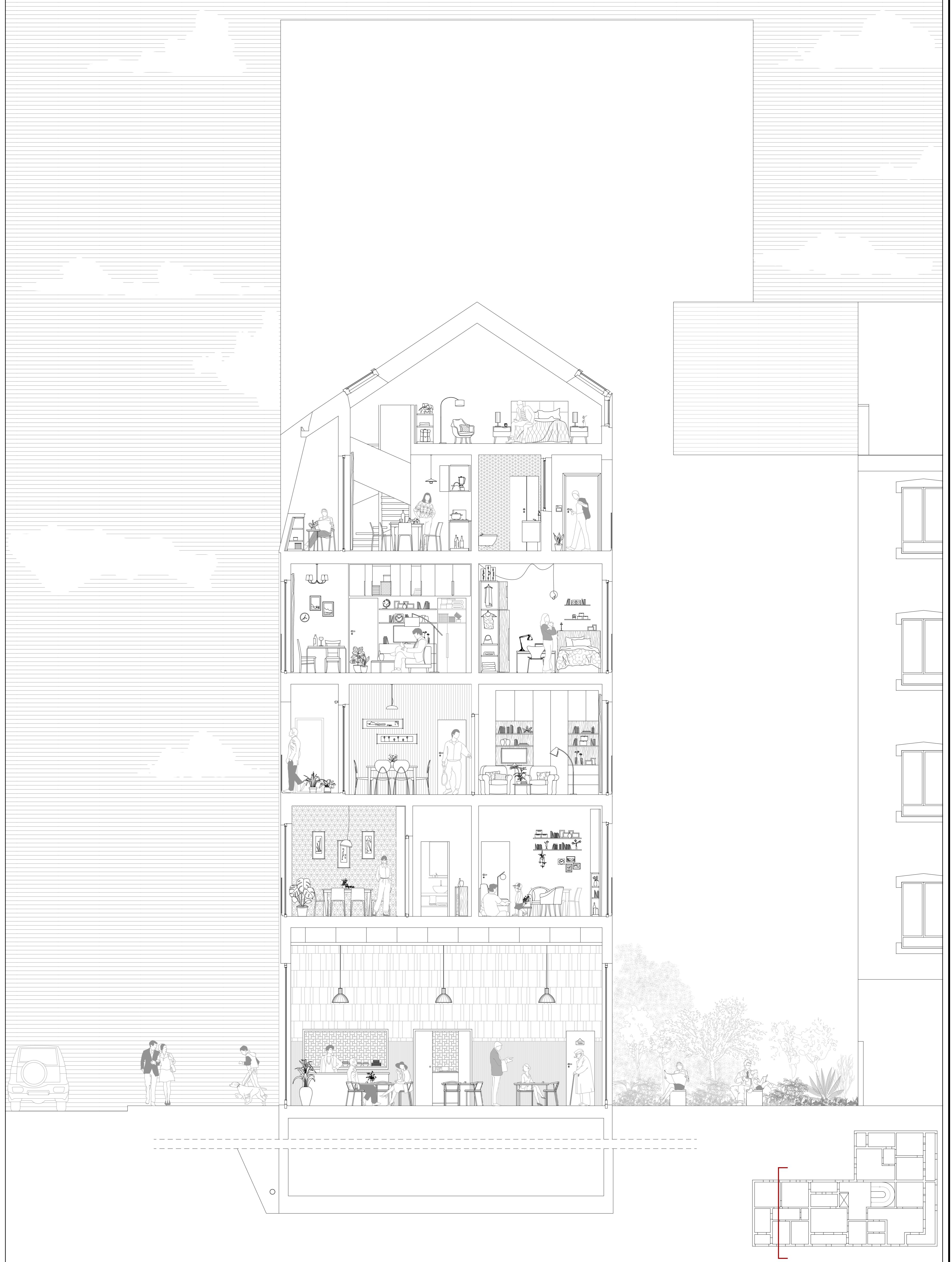
20 YEARS LATER



LIFE INSIDE THE BUILDING

Section A-A'

0 2 m



LIFE INSIDE THE BUILDING

Section B-B'

0 2 m



LIFE INSIDE THE BUILDING

Perspective section

