

ARCH 301

New Residential Landscape

Architectural Design Studio III
Sec 01-06 Fall 2021

Instructors:

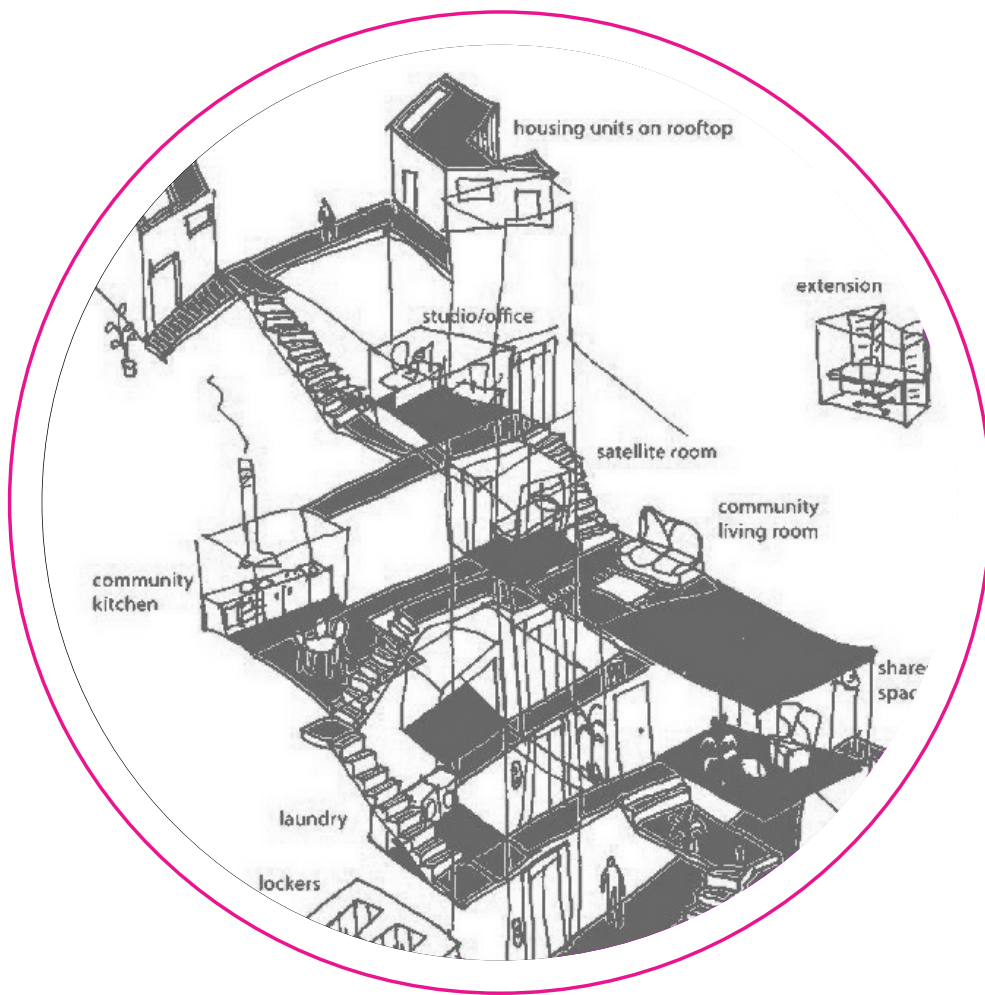
Chen-Yu Chiu, Selen Özge Duran, Mark Frederickson
Giorgio Gasco, Alp Giray Köse, Berna Tanverdi

Student Assistants:

Ezgi Nur Güngör

Reconceptualize Urban Mass Housing
expand the threshold between the public and the private



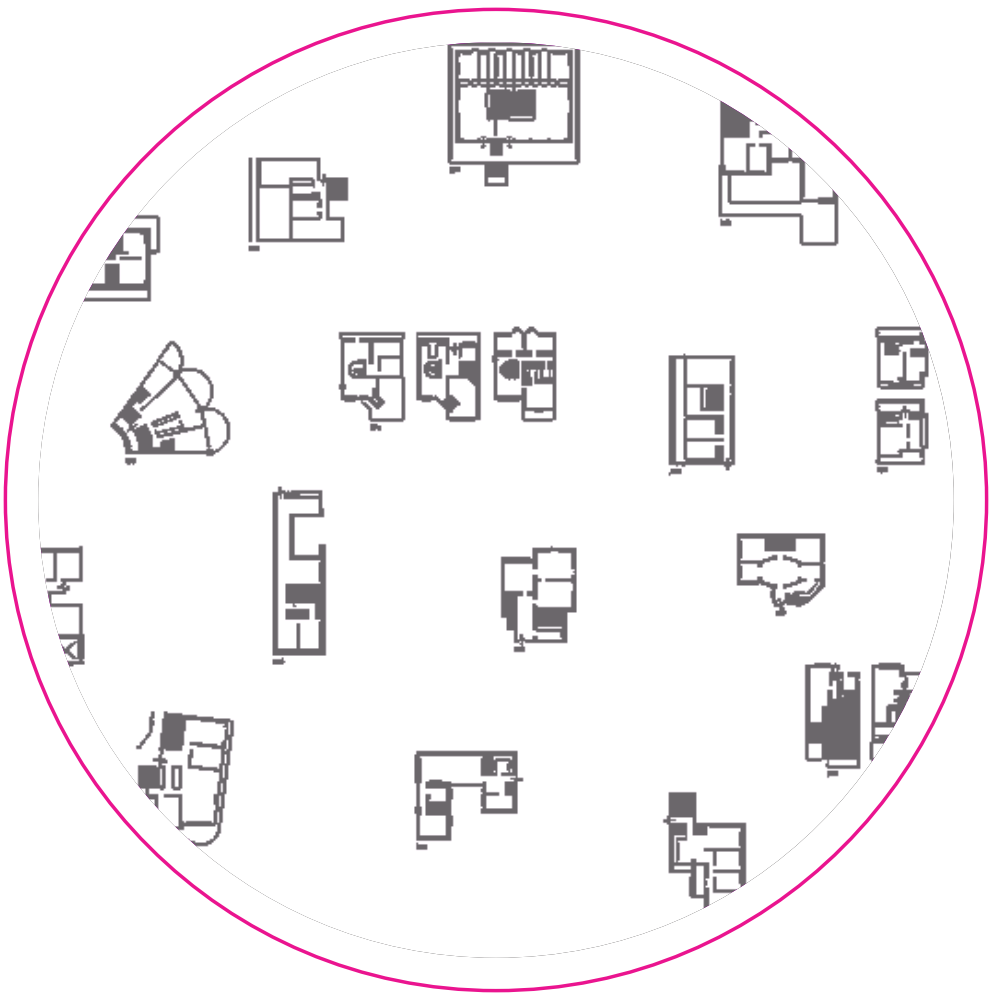


From Dwelling Unit To The Site

CONCEPTUAL



The conceptual format involves a process where the design strategy evolves in an abstract and autonomous fashion with no reference (at least at the earlier stages of the process) to a specific site. The very preliminary design inputs and strategies are expected to be derived from concepts (the idea of dwelling, the patterns of circulation inside the building, the spatial articulation of volumes) that have an initial priority over the site conditions. The study and development of these concepts will be conducted in a sort of conceptual “vacuum”, where eventually the general/schematic layout of a building is expected to be drafted. Only in the second and final stage of the process, a site will be assigned and the preliminary draft design of the building will undergo a series of adjustments/changes to react to the site.

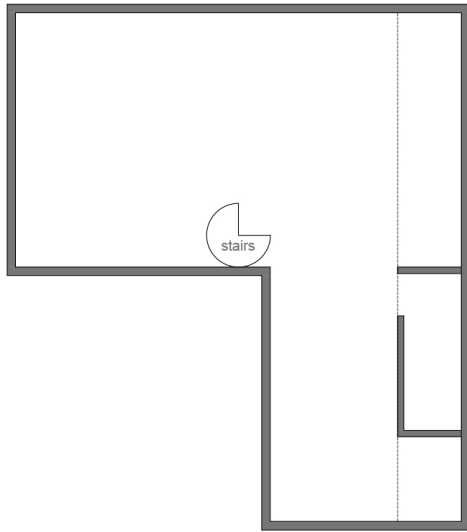


Pin Up 1.

THE DWELLING UNIT



Conceptual development of the dwelling unit. Students are asked to select one of the following radical spatial concepts: neutral spaces, spacefurniture, liminal spaces, thick thresholds, flexibility, polyvalence, and others (these will be discussed in a devoted lecture), and to draft a template plan (scale 1:200) of the unit accordingly. On the base of this template then a set of at least three, four variants customized for specific number of users (families, singles, groups, couples) will be produced. The main concept, spatial features, and configuration of use, should eventually be illustrated with a cut-away perspective drawing of the interior (specific tips for Photoshop editing will be given in a devoted lecture), a sketch model of the spatial concept, and a brief text to introduce the concept.



L House

In this conceptual approach, we focus on geometry and try to create a corridor-like void and solve some part of the rooms in there. This design work also has an open-plan template with niches and privacy provided by the different usage of walls and sliding doors. Our variations are suitable for one to four people.

Template Plan



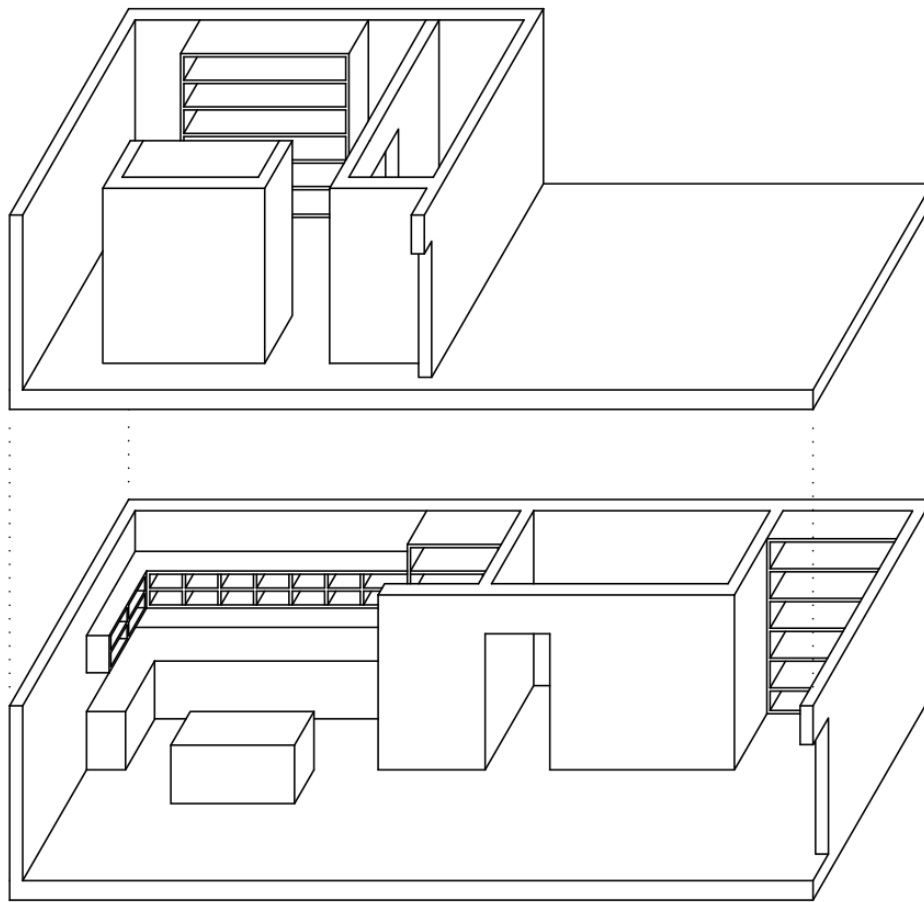
Variation-1

Variation-2

Variation-3

Variation-4

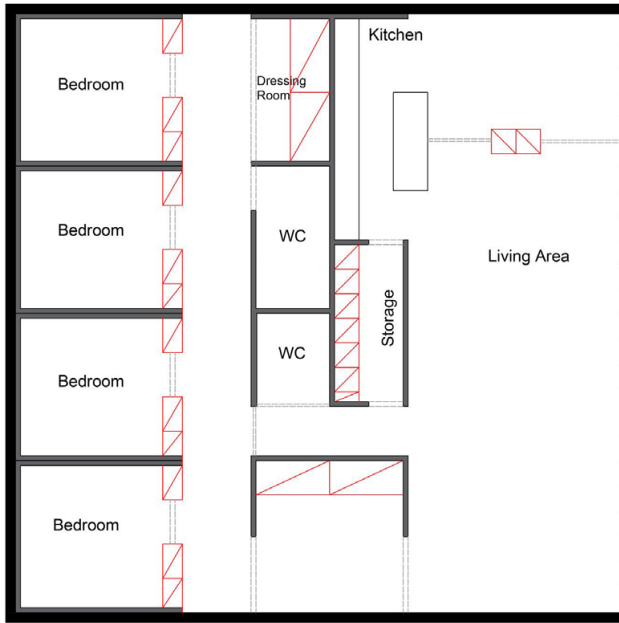




Unit Axonometric



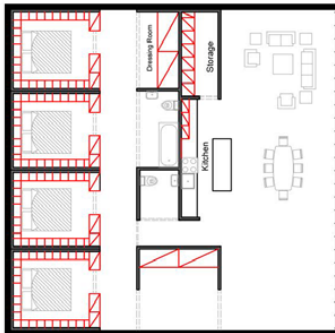
Interior Perspective



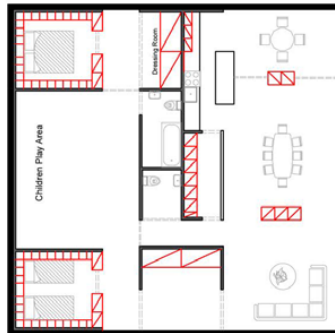
By Pass Wall

Flexible Housing is a housing that can adapt to the changing needs of users and the number of users. Creating privacy can be possible without limiting spaces with rigid walls. Users can re-arrange the house organization by using sliding doors. They can create public/private areas by considering their needs. They can change the sizes and the number of the rooms according to number of users.

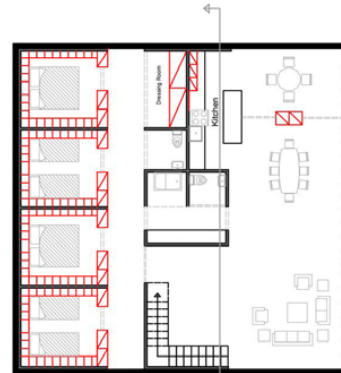
Template Plan



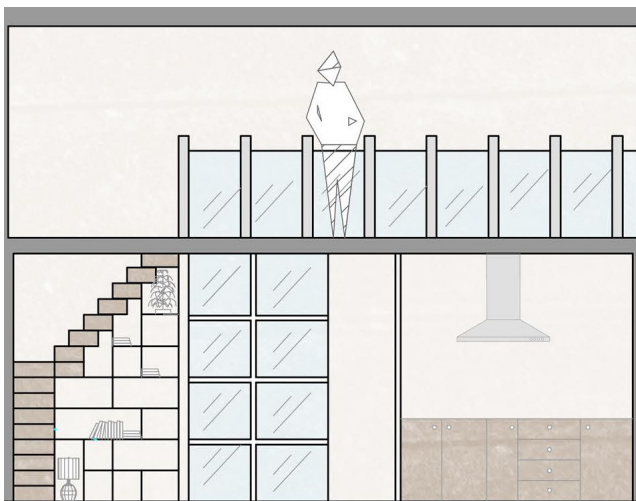
Variation-1



Variation-2

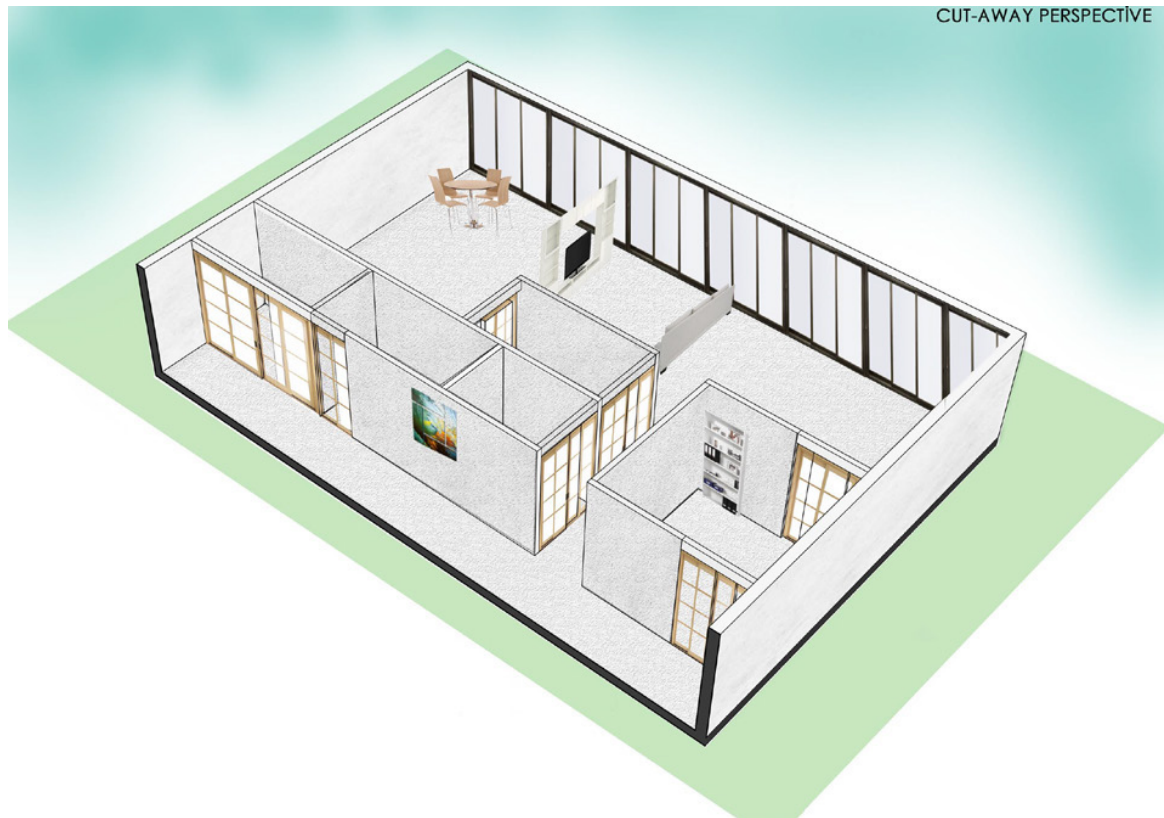


Variation-3

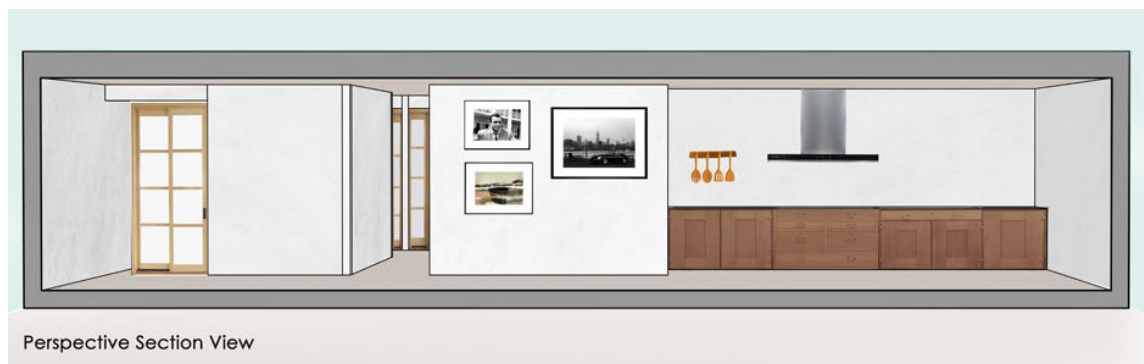


Section

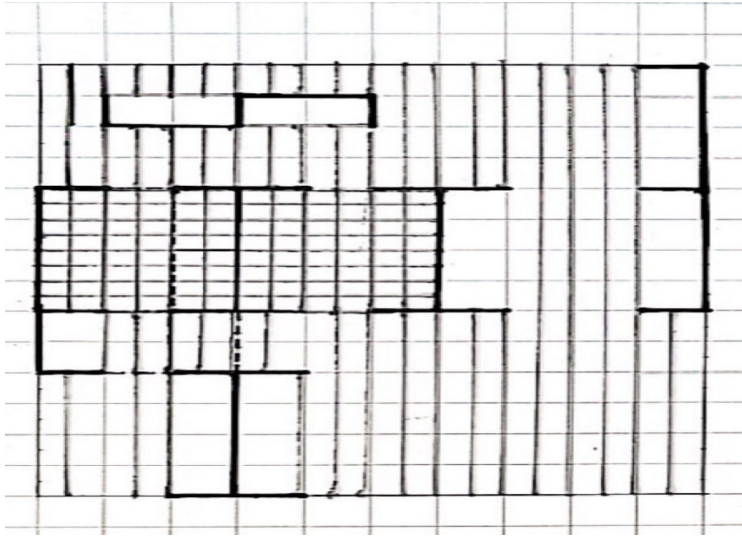




Unit Axonometric



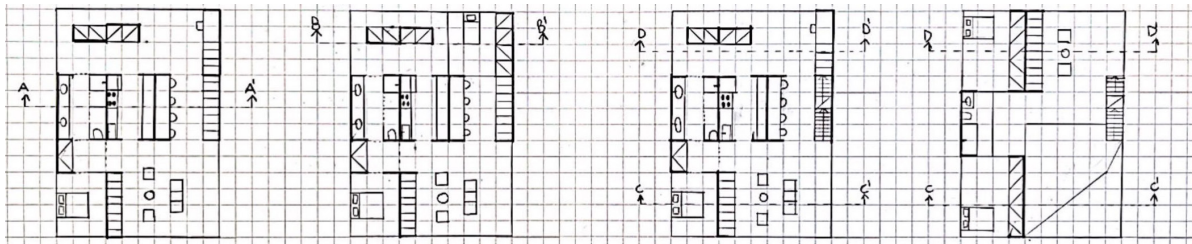
Interior Perspective



Template Plan

Modules are categorized into three types as in ABC systems.

- A is for Armario which is the cabinet. The cabinets are used for both shelves and wardrobes for any purpose.
- B is for bano which is for the bathroom. Toilet, sink, and shower are placed on the modules.
- C is for cocina which is the kitchen. The kitchen cabinets, furniture, and kitchen sink are placed on the modules. The height of the cabinets changes according to the function. The kitchen module is also used for american kitchen.



Variation-1

Variation-2

Variation-3

Variation-4

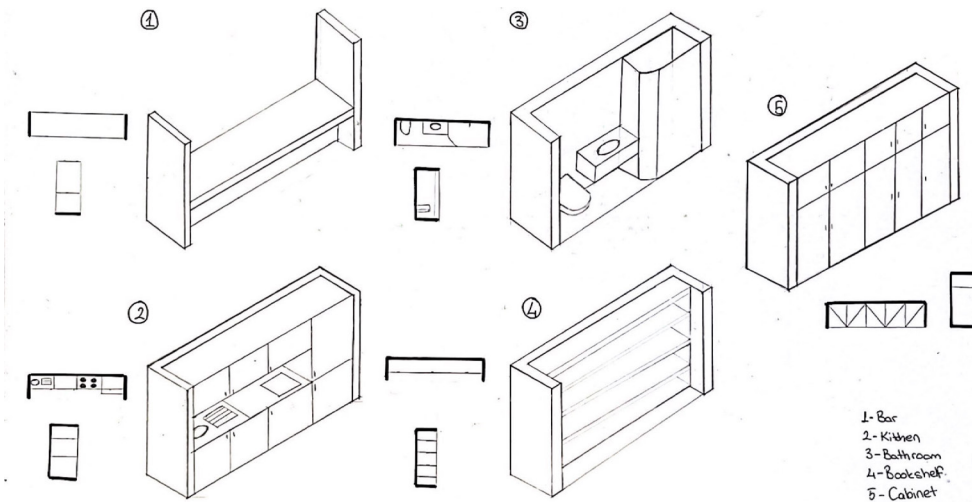


Section-1

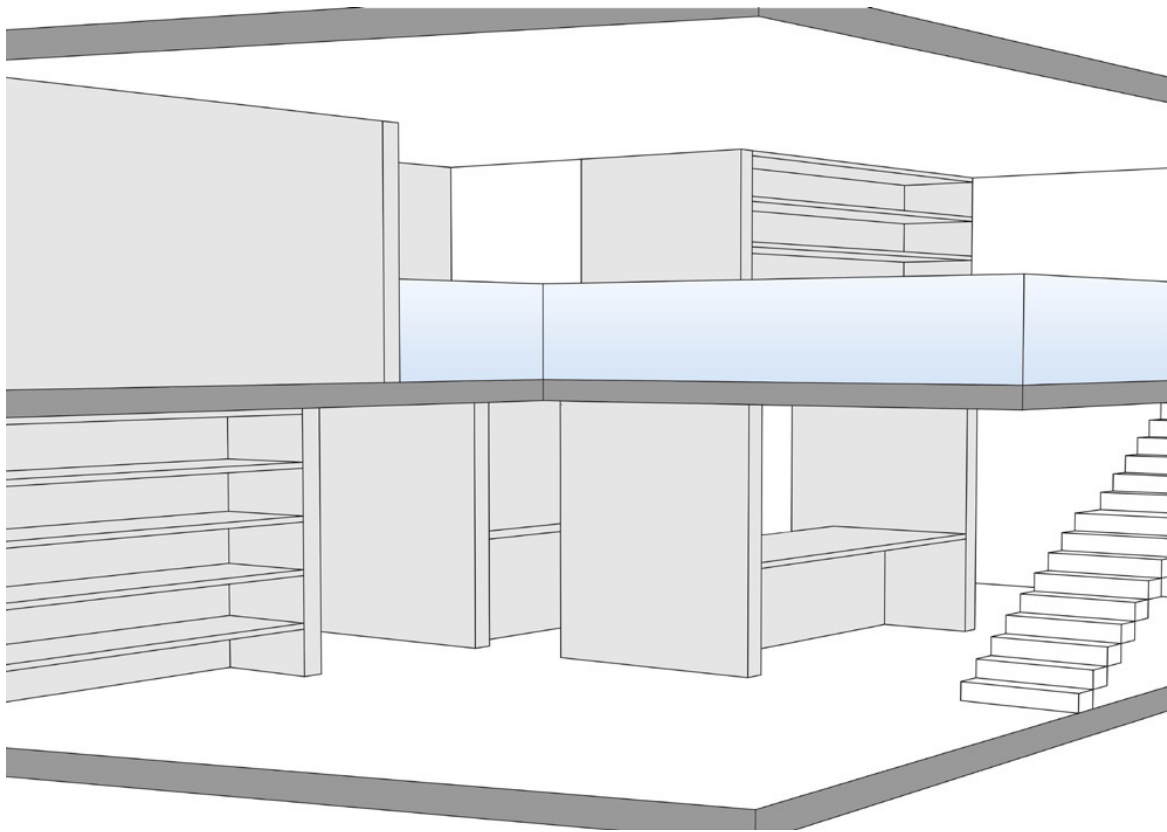
Section-2

Section-3

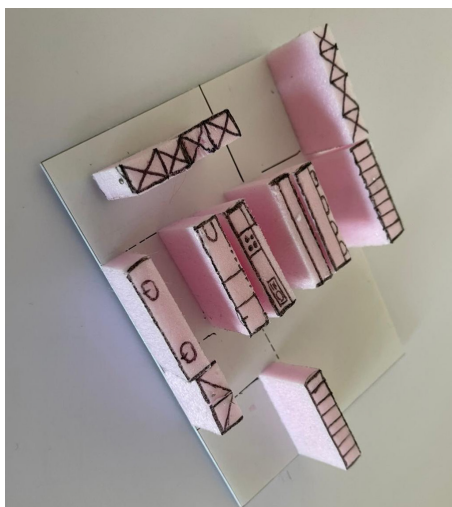
Section-4



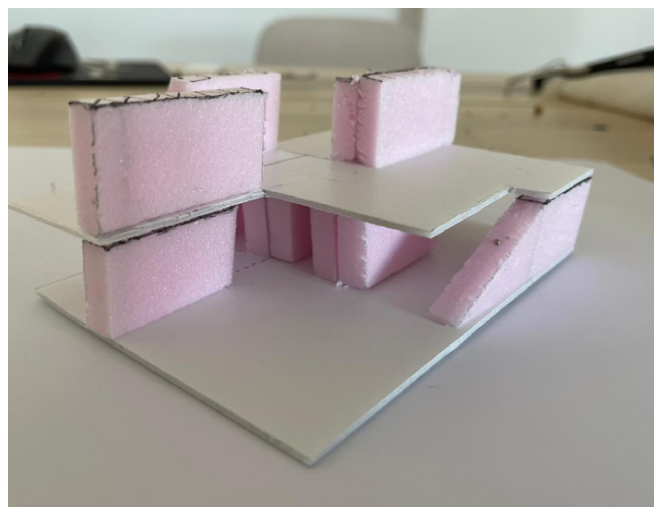
Axonometric diagrams

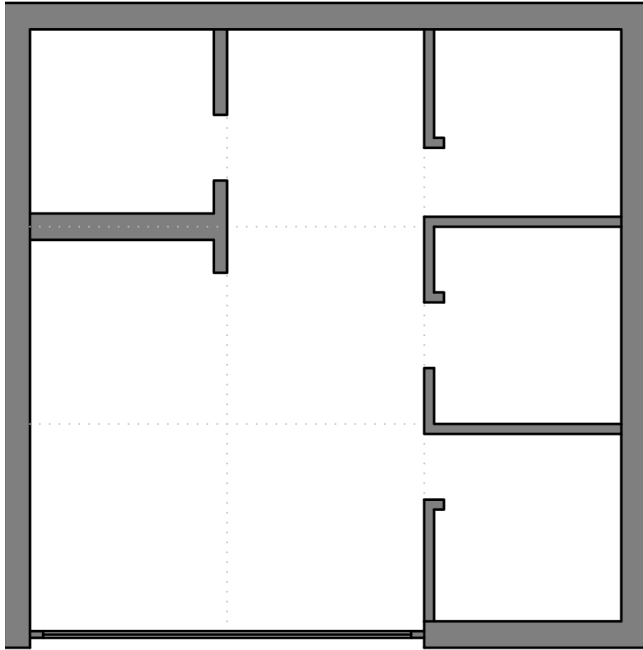


Unit Axonometric



Interior Perspective

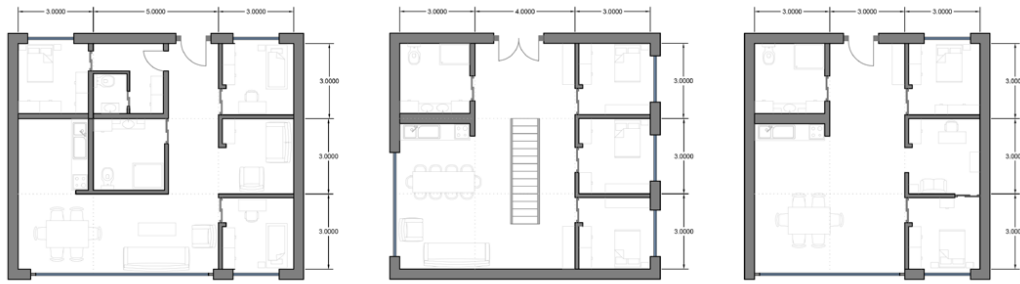




Tripartite Dwelling

This design represents the opportunities people can create in a space with the articulation of walls and partitions. Furniture design and use is essential for this project, because it creates private and common spaces. The main idea comes from the direct flow of free space, which the user can arrange the function as needed and desired.

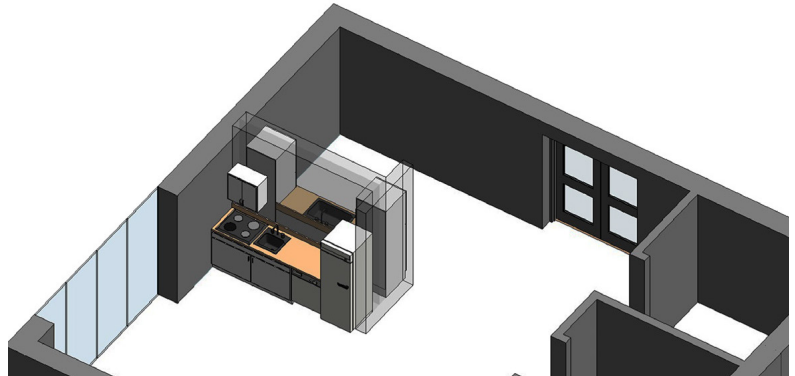
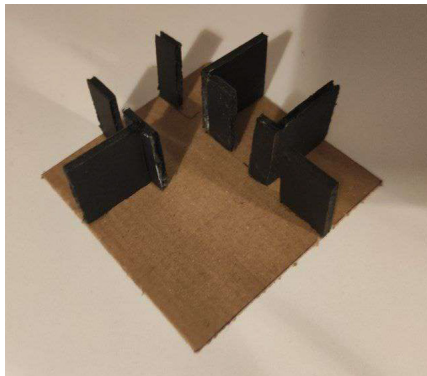
Template Plan



Variation-1

Variation-2

Variation-3

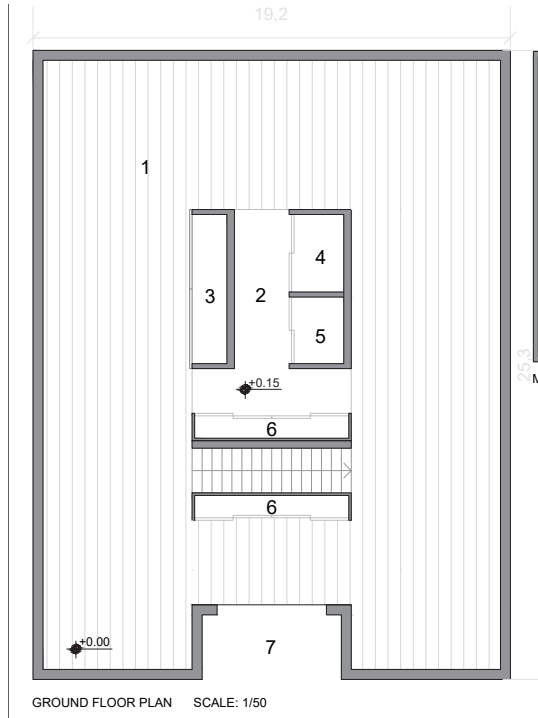




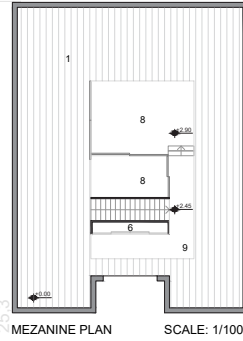
Unit Axonometric



Interior Perspective

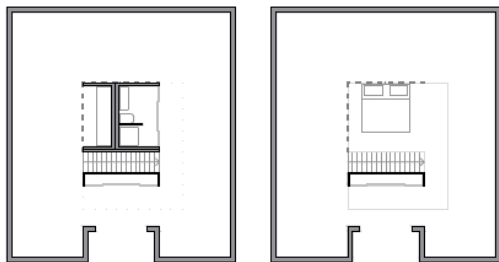


Template Plan

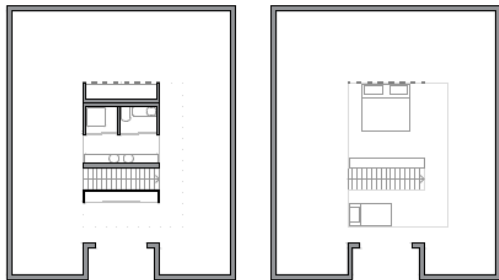


Tripartite Dwelling

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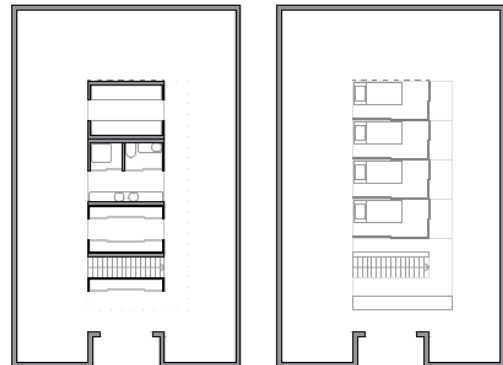
Variation-1



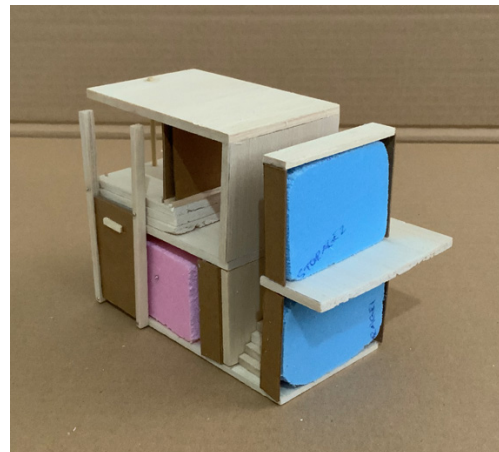
Variation-2

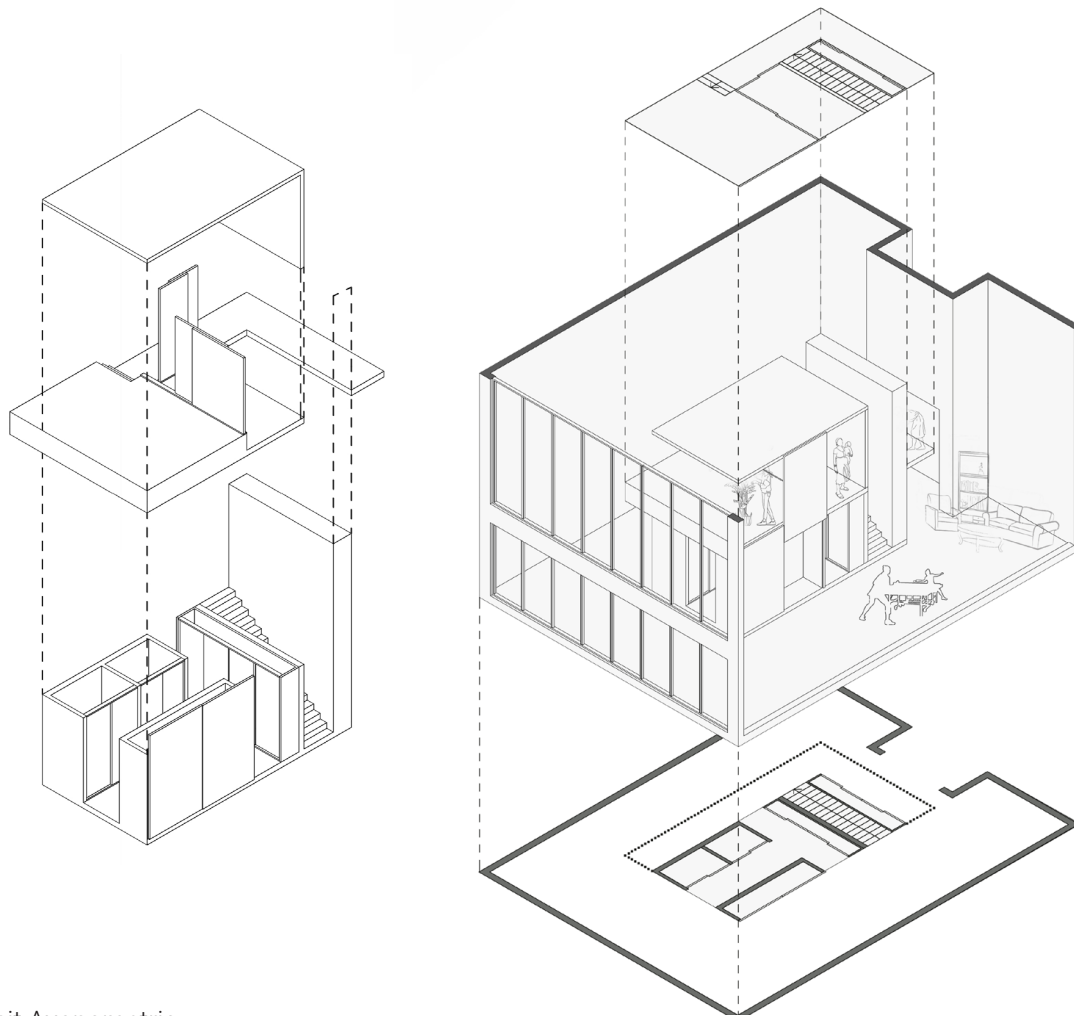


Variation-3



Variation-4

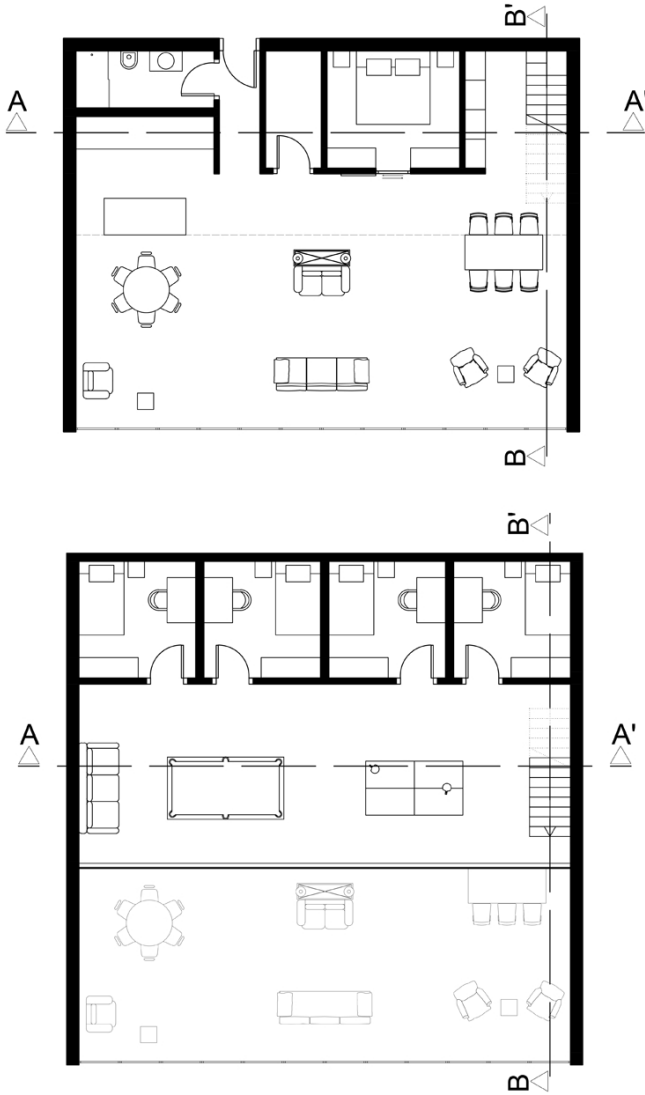




Unit Axonometric



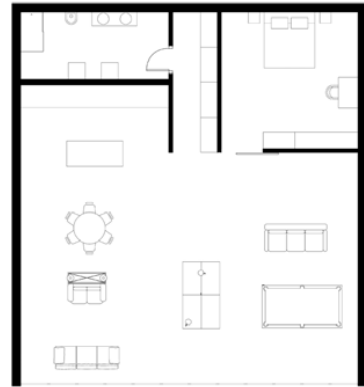
Interior Perspective



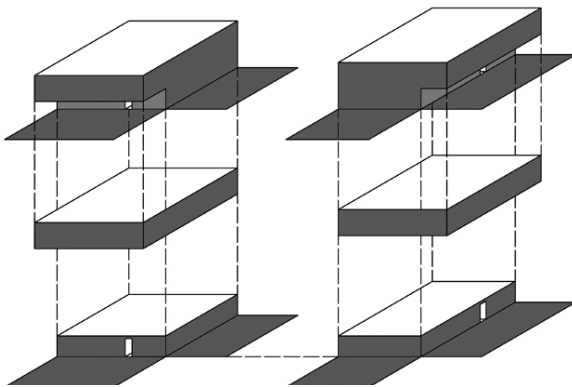
Template Plan

The Student Loft

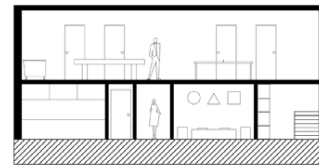
The interactive areas of the design have ensured the privacy and public relations of the users with the help of geometric design and corridors. While doing this, cult corridor perception is avoided and furniture is used. The continuation of the modular structure can be achieved with the simple geometric shapes used. The design, which appeals to more than 5 users, provides the users with the opportunity to be used as a residence and office. Materials have been chosen in order to increase or decrease the space positioned in the design when necessary, or to be reshaped for different uses.



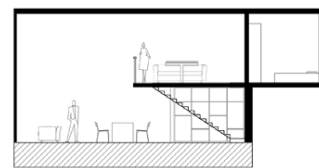
SIMPLEX FLOOR PLAN
1/100



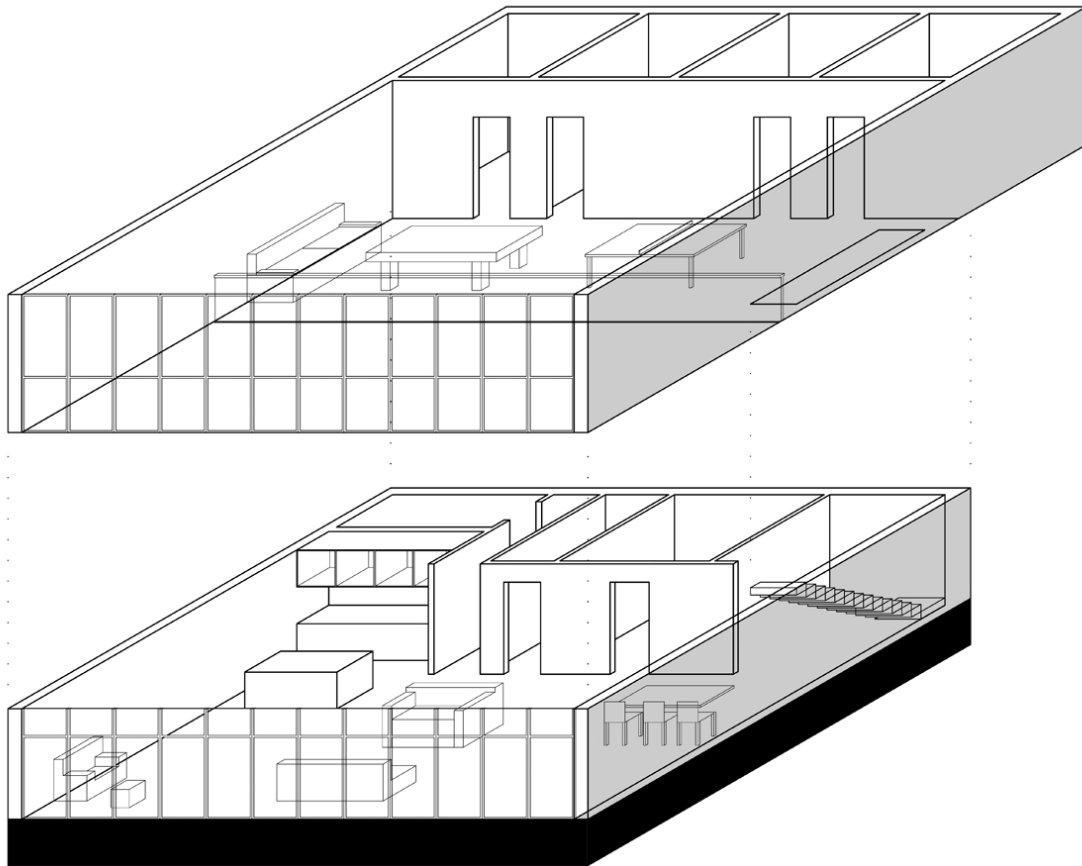
Exploded axonometric



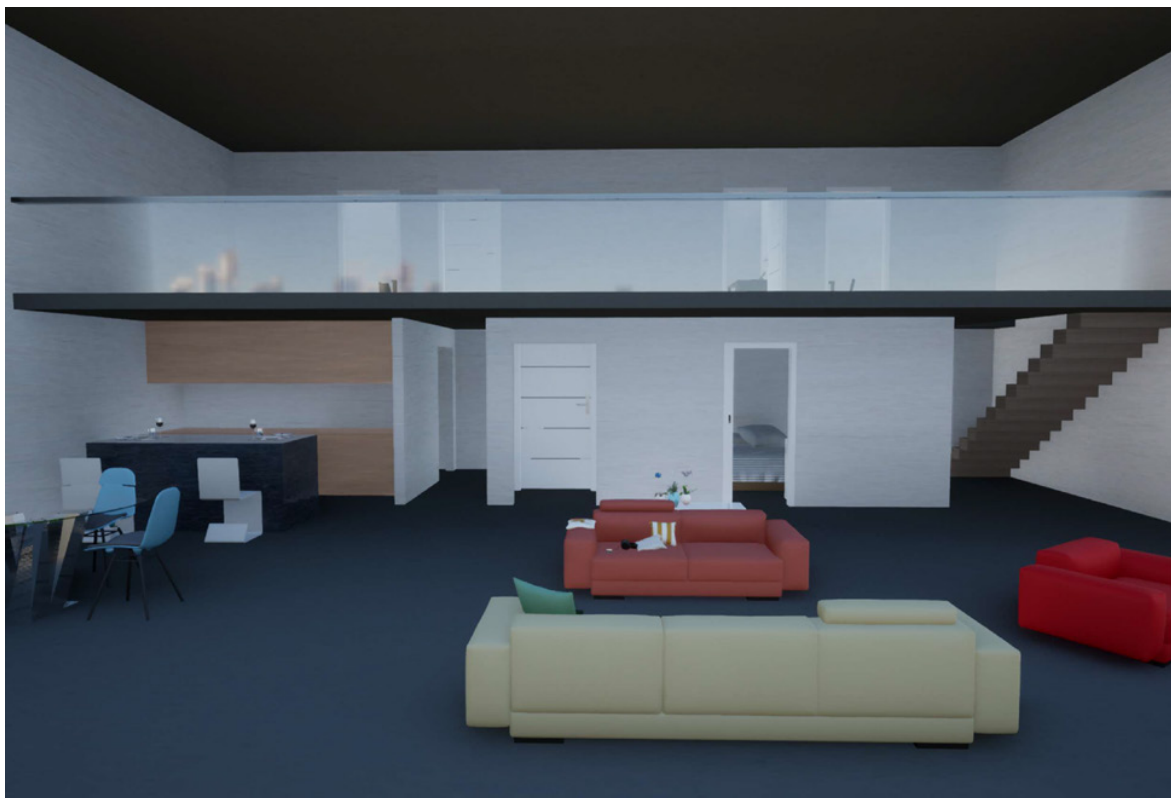
Section AA'



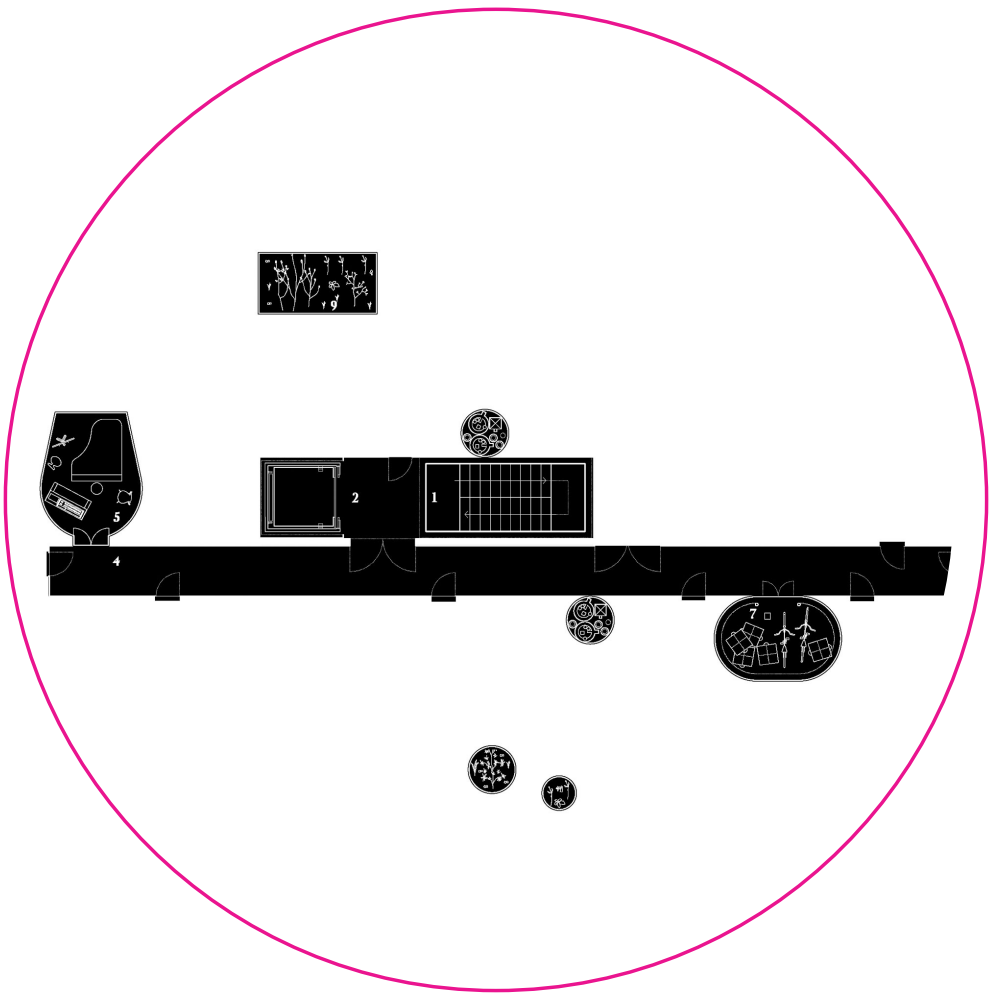
Section BB'



Unit Axonometric



Interior Perspective

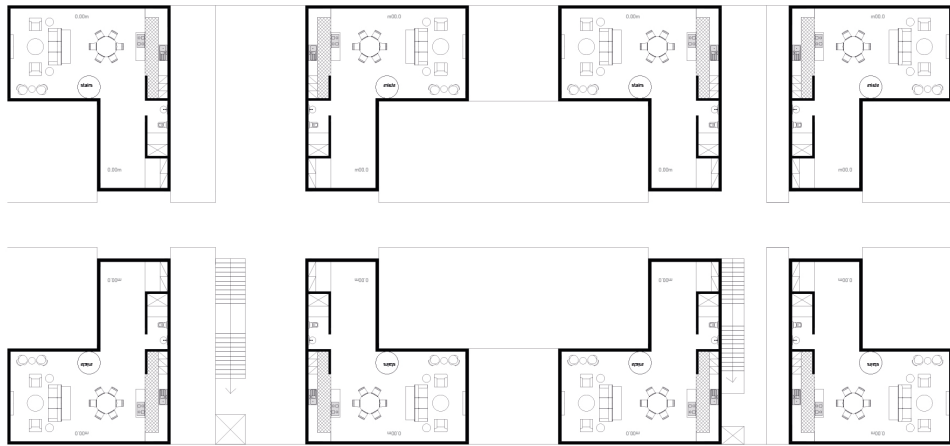


Pin Up 2.

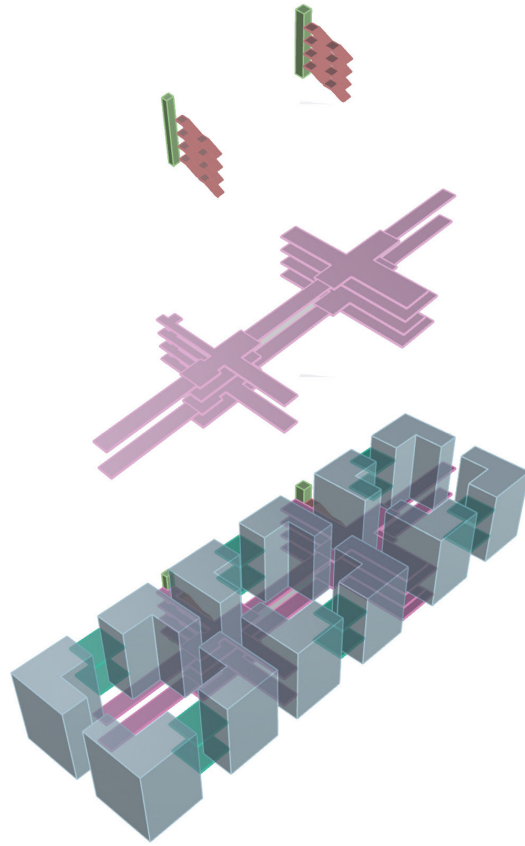
ASSEMBLAGE I.



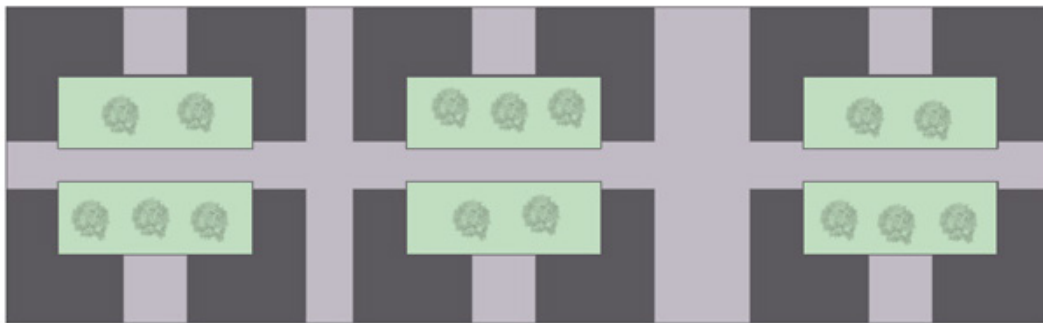
Conceptual development of the dwelling unit. Students are asked to select one of the following radical spatial concepts: neutral spaces, spacefurniture, liminal spaces, thick thresholds, flexibility, polyvalence, and others (these will be discussed in a devoted lecture), and to draft a template plan (scale 1:200) of the unit accordingly. On the base of this template then a set of at least three, four variants customized for specific number of users (families, singles, groups, couples) will be produced. The main concept, spatial features, and configuration of use, should eventually be illustrated with a cut-away perspective drawing of the interior (specific tips for Photoshop editing will be given in a devoted lecture), a sketch model of the spatial concept, and a brief text to introduce the concept.



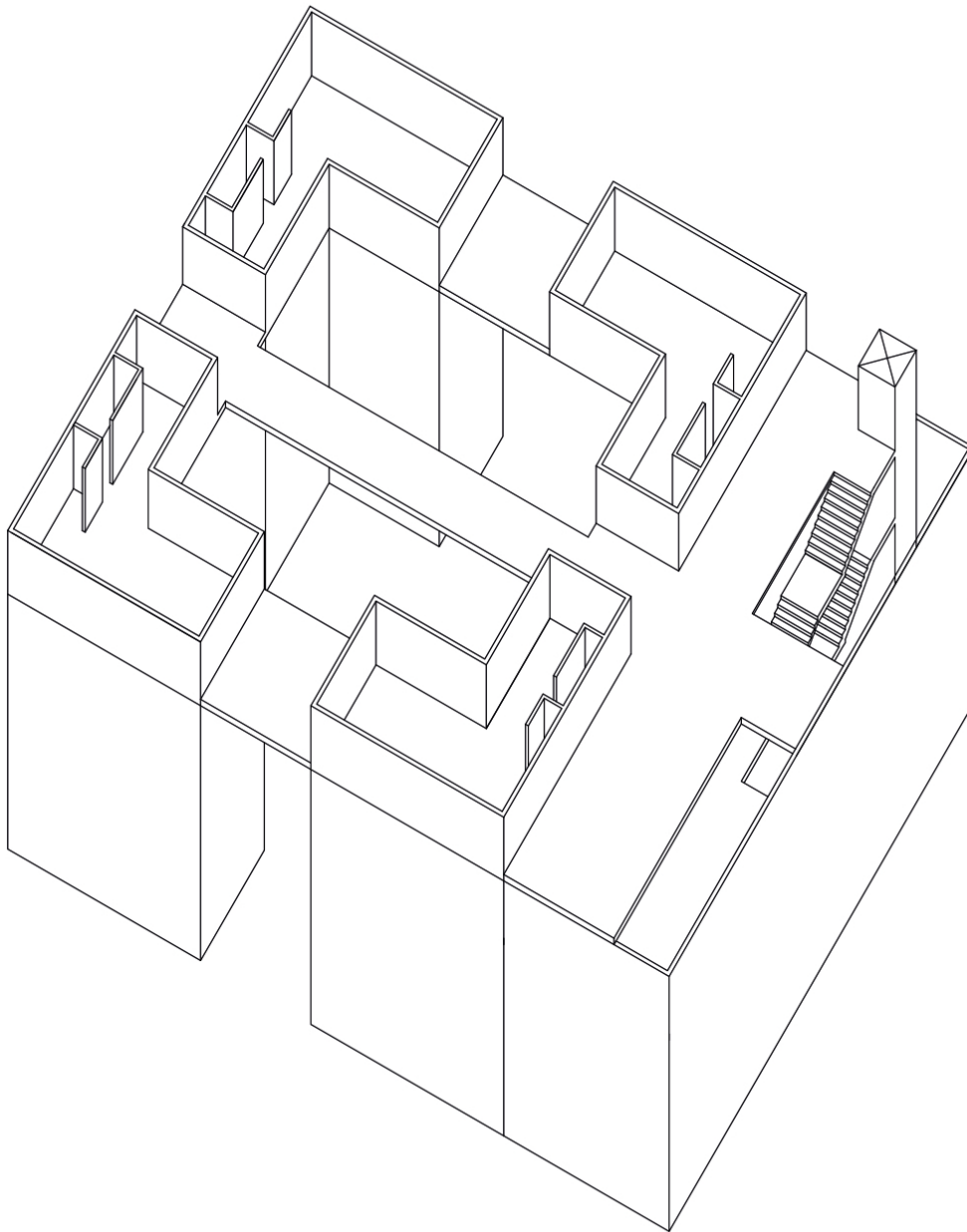
Typical Floor Plan



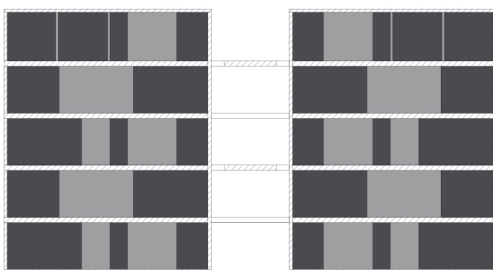
Axonometric Diagram



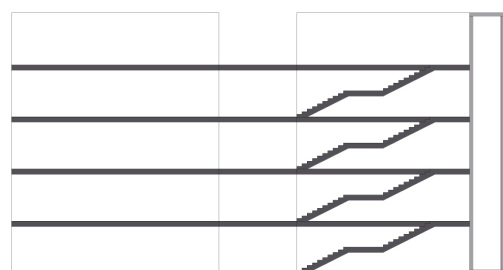
Roof Plan



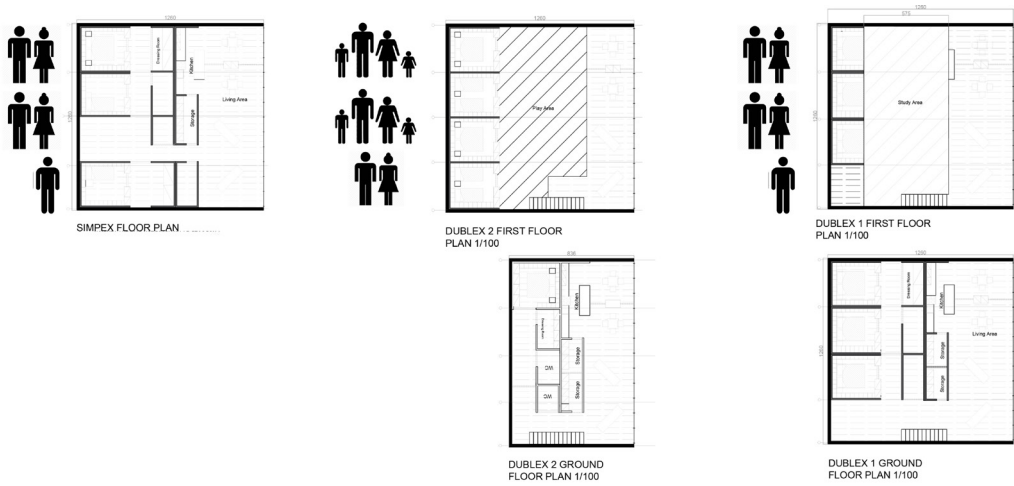
Cut-away Axonometric



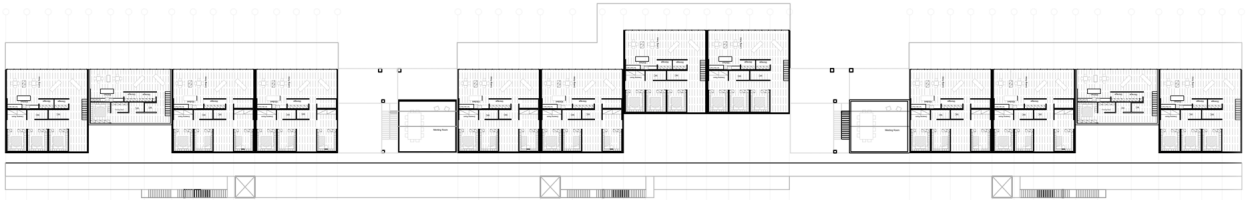
Schematic Section



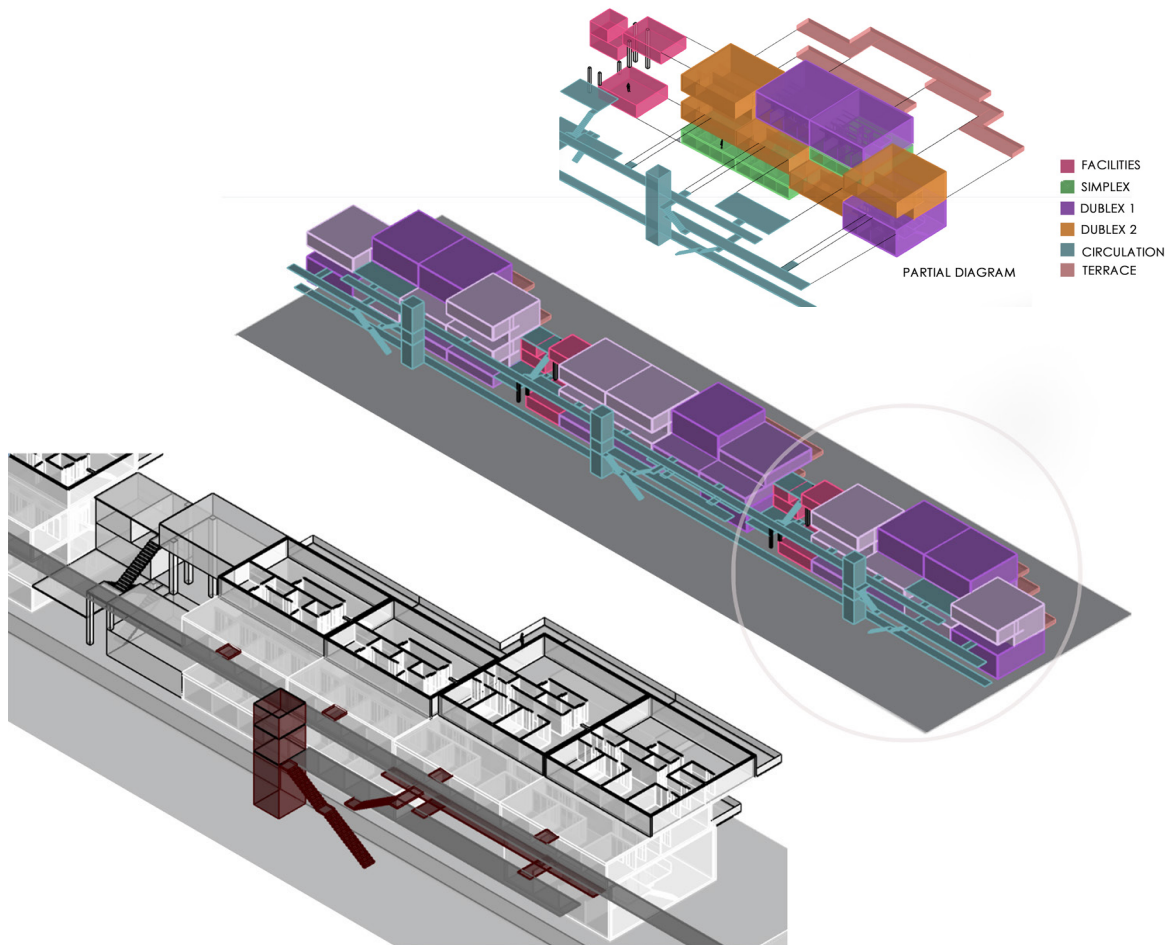
Section



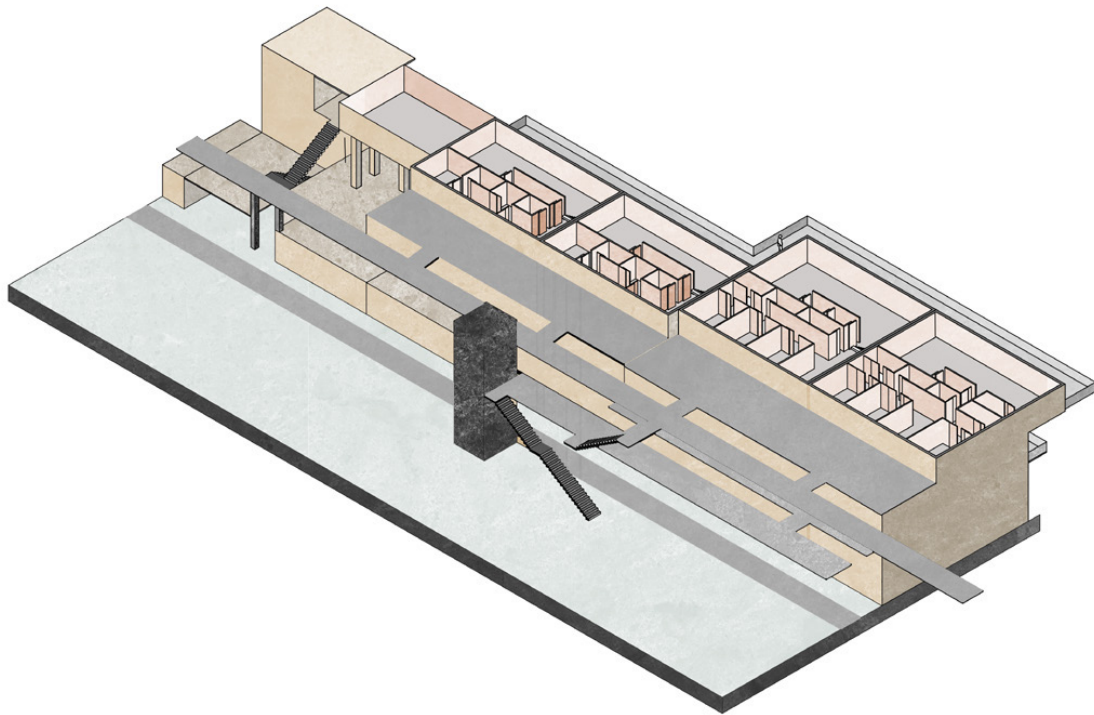
Unit Variations



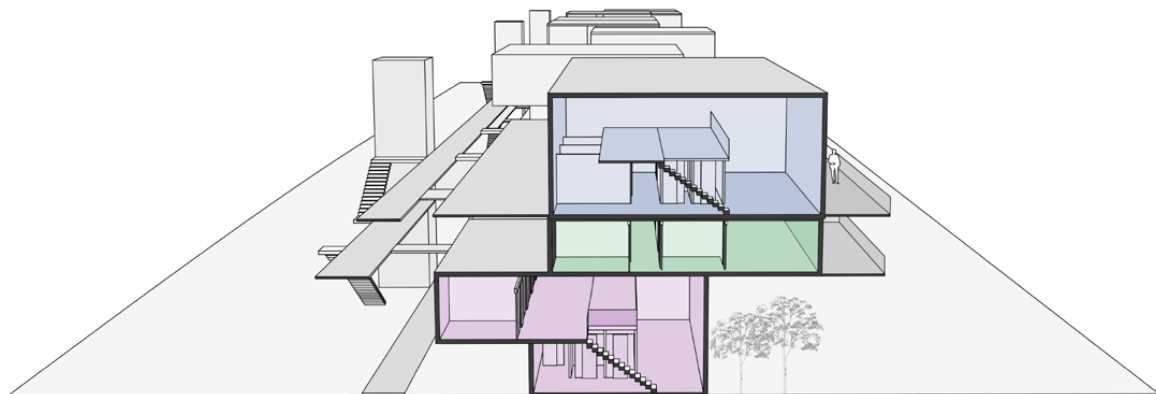
Typical Floor Plan



Axonometric Diagram



Cut-away Axonometric



Perspective Section

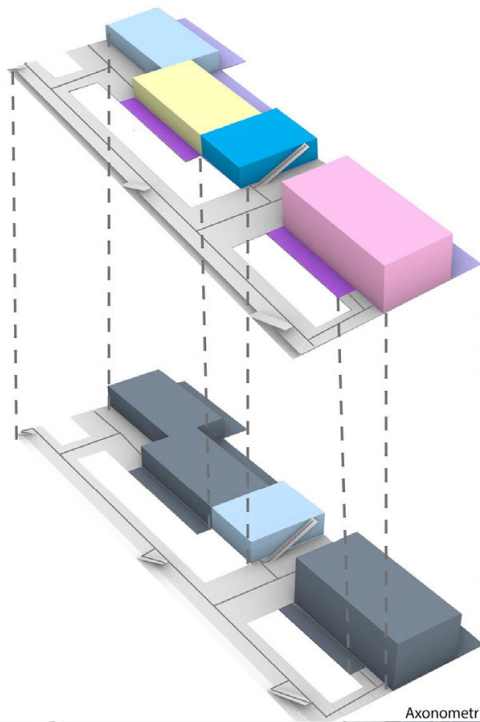


Physical Model

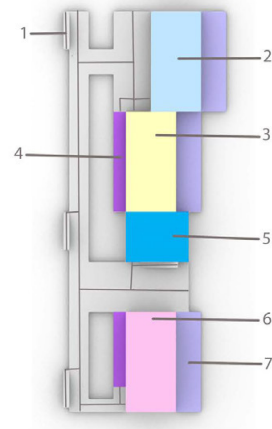


Typical Floor Plan

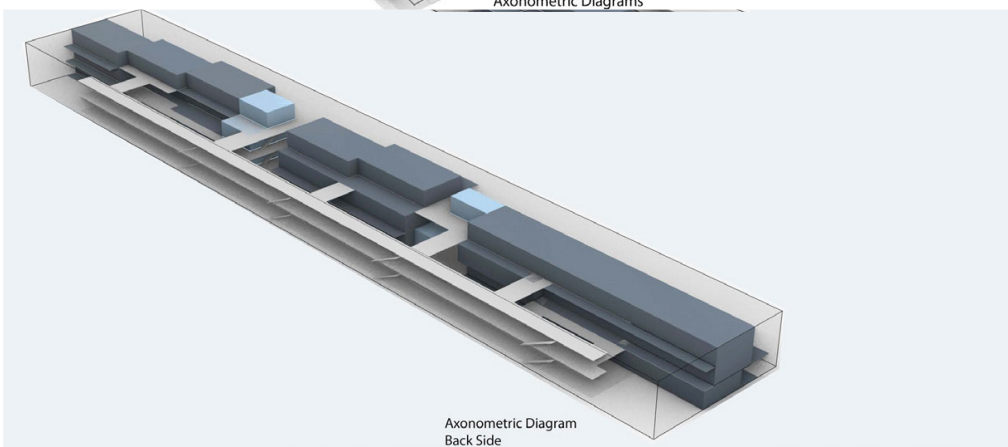
Unit Variations



Axonometric Diagrams

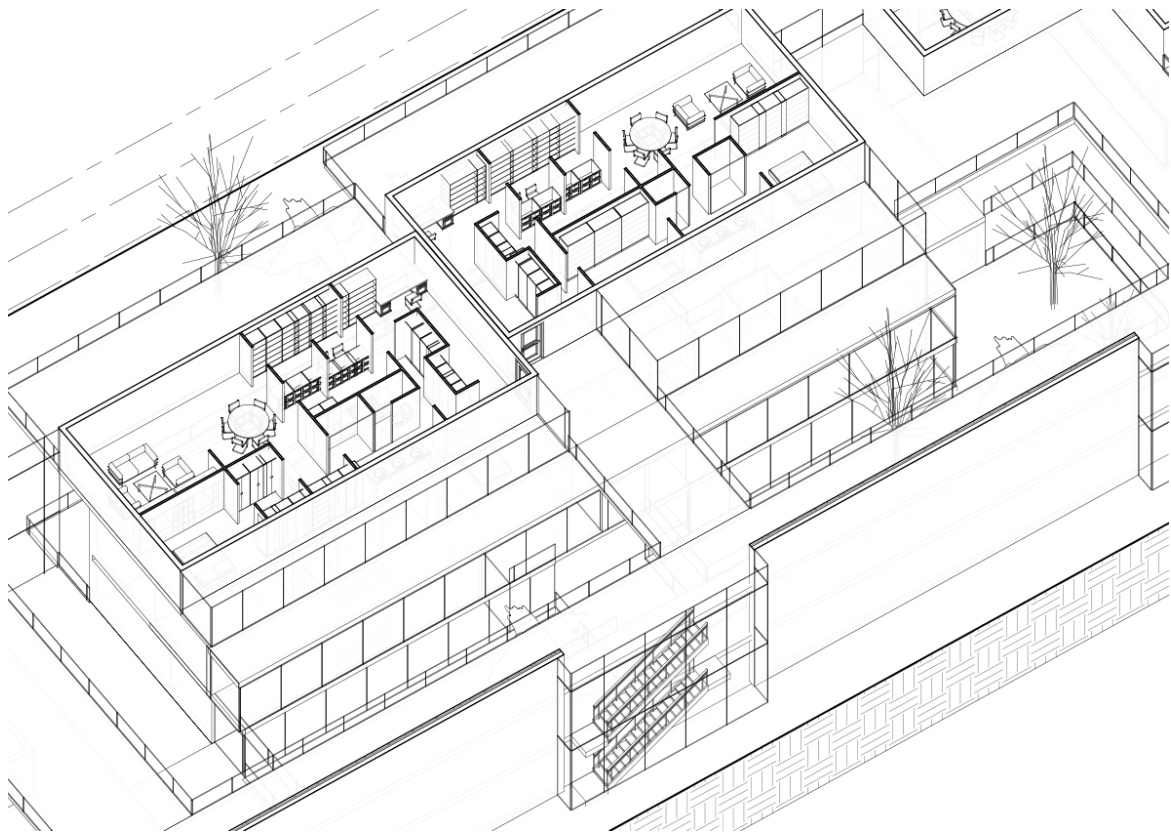


- 1- Circulation
- 2-2+1 Flat (Simplex)
- 3-1+1 Flat (Simplex)
- 4-Back Terrace/Storage
- 5-Facility
- 6-3+1 Flat (Duplex)
- 7-Front Terrace

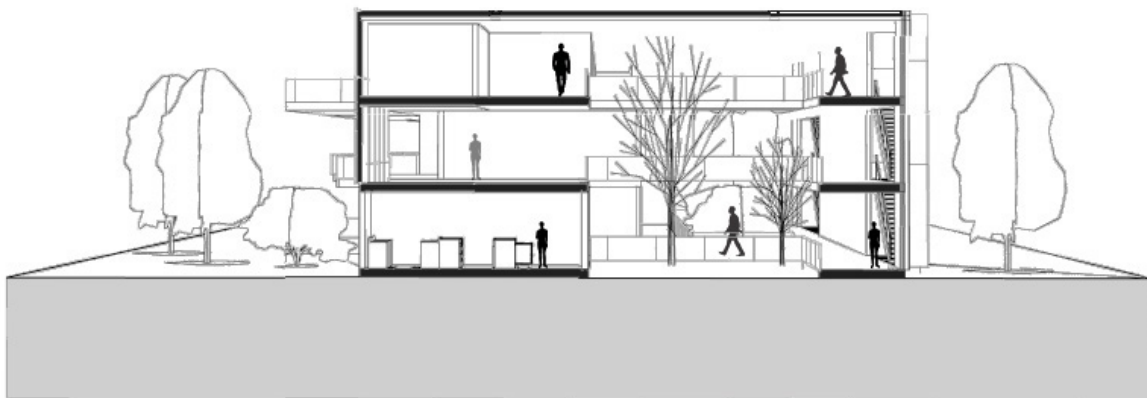


Axonometric Diagram
Back Side

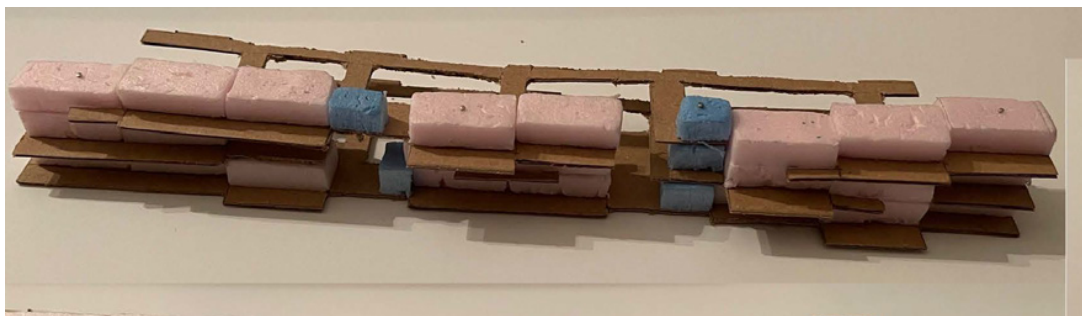
Axonometric Diagram



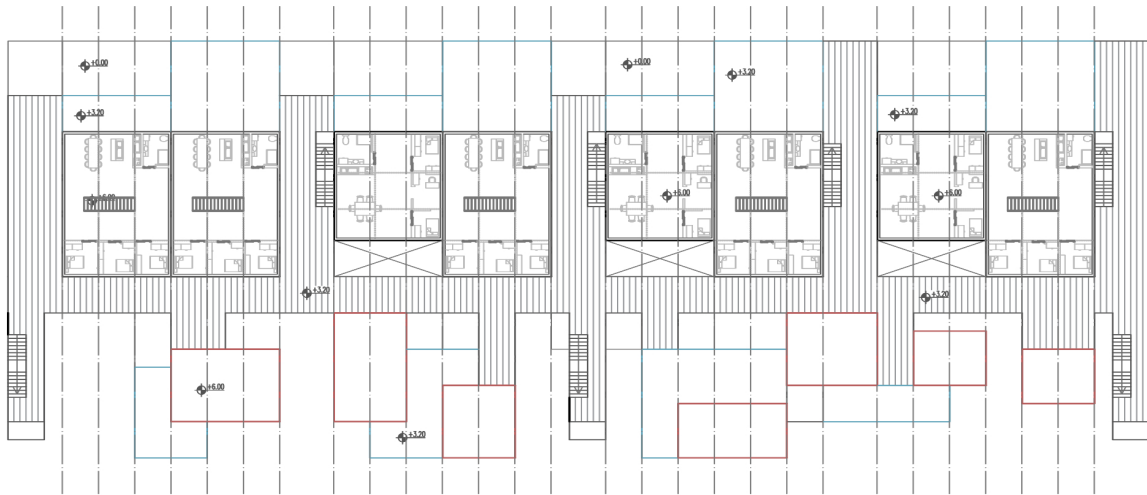
Cut-away Axonometric



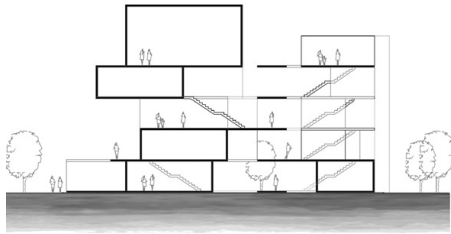
Perspective Section



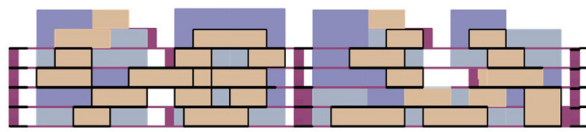
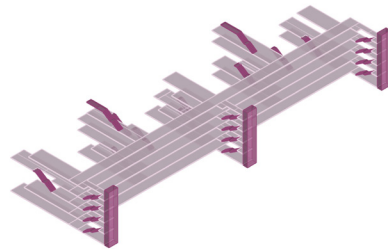
Physical Model



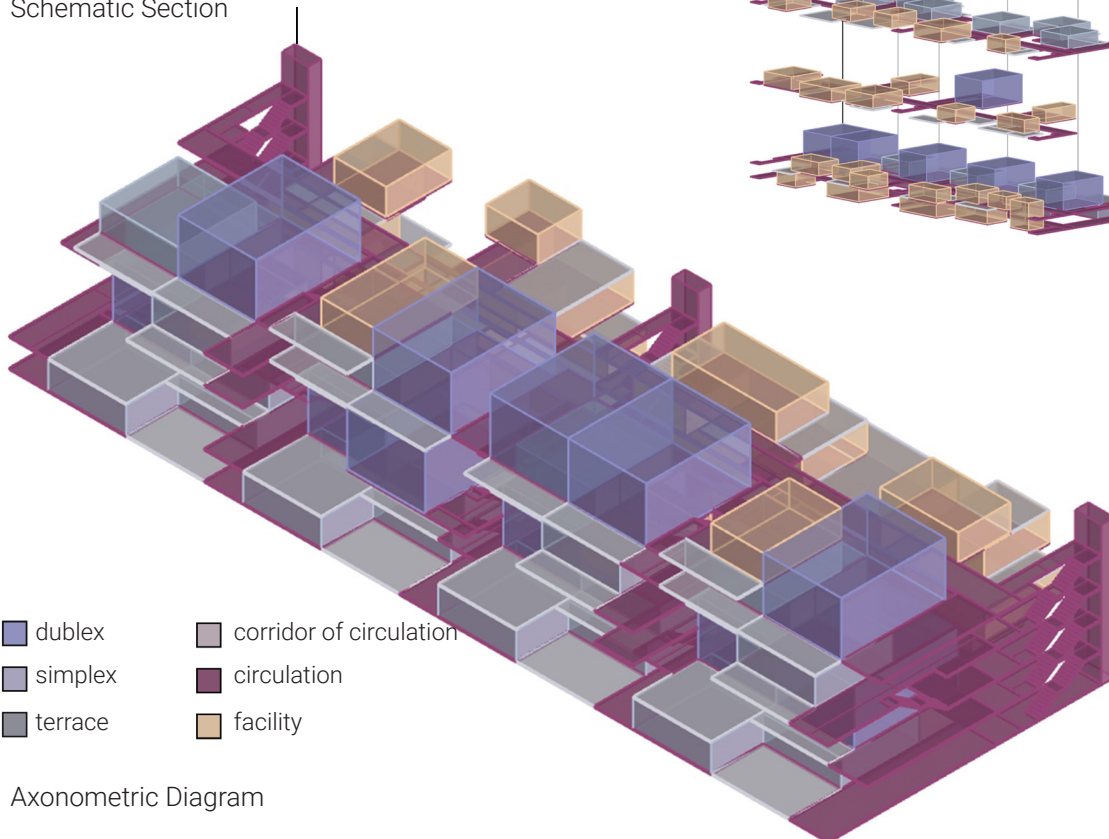
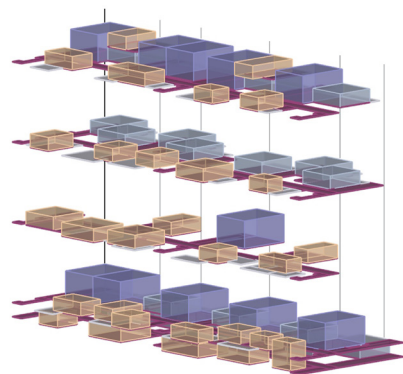
Typical Floor Plan

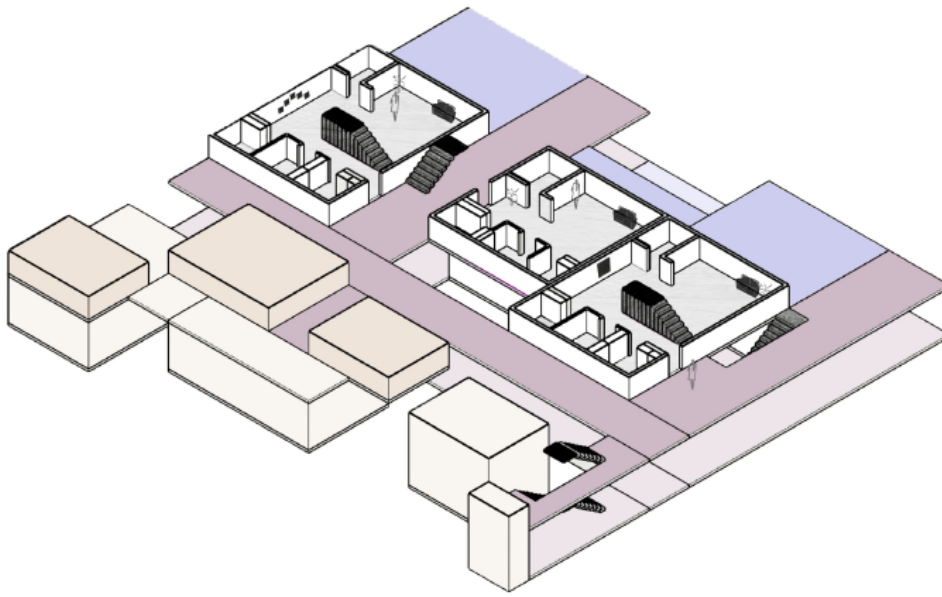


Transversal Section

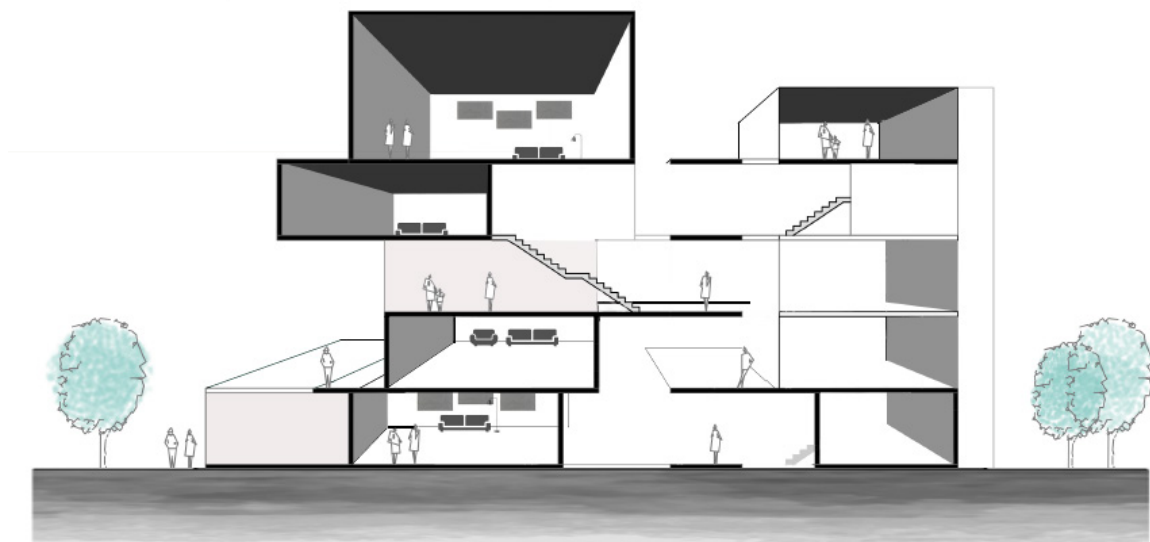


Schematic Section





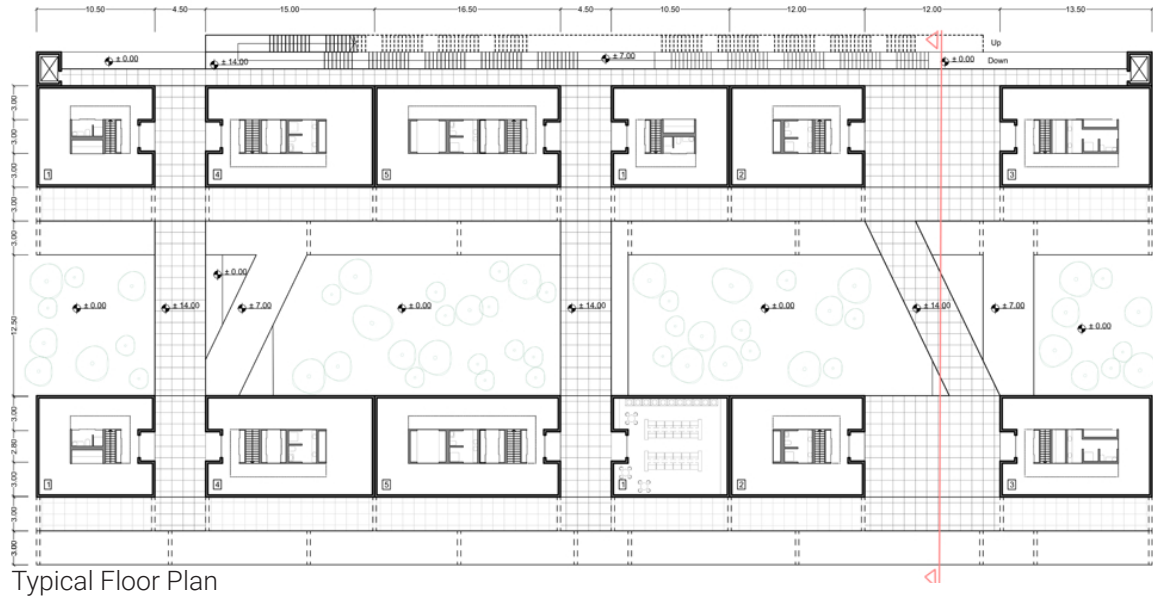
Cut-away Axonometric



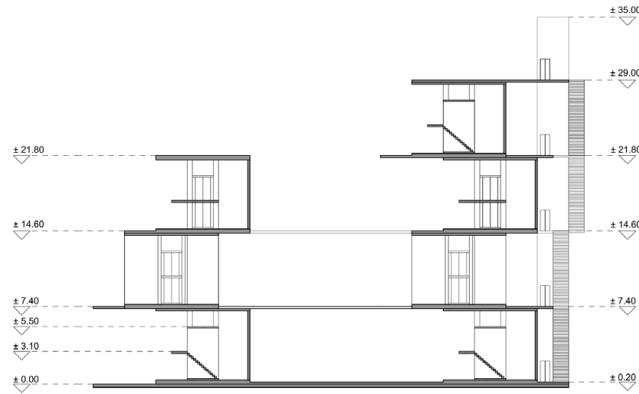
Perspective Section



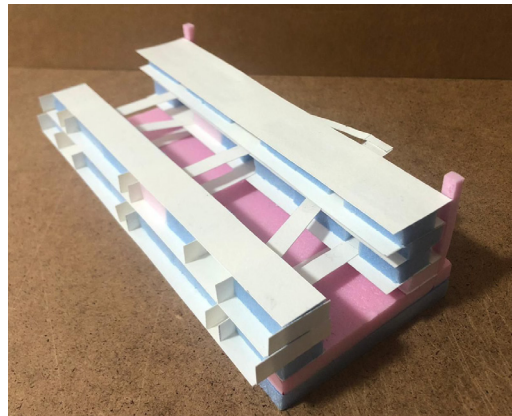
Physical Model



Typical Floor Plan

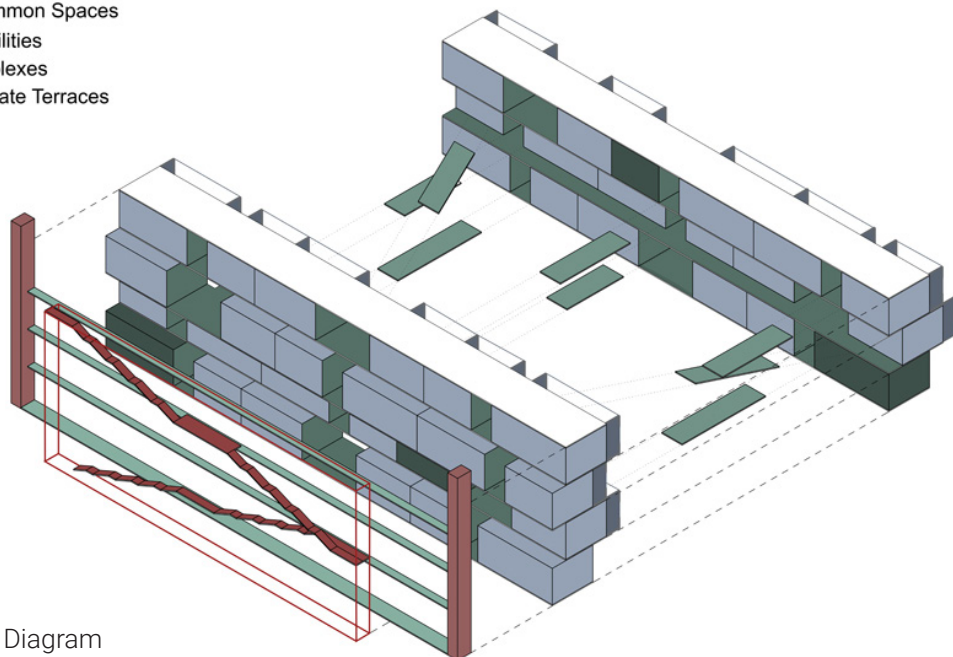


Transversal Section

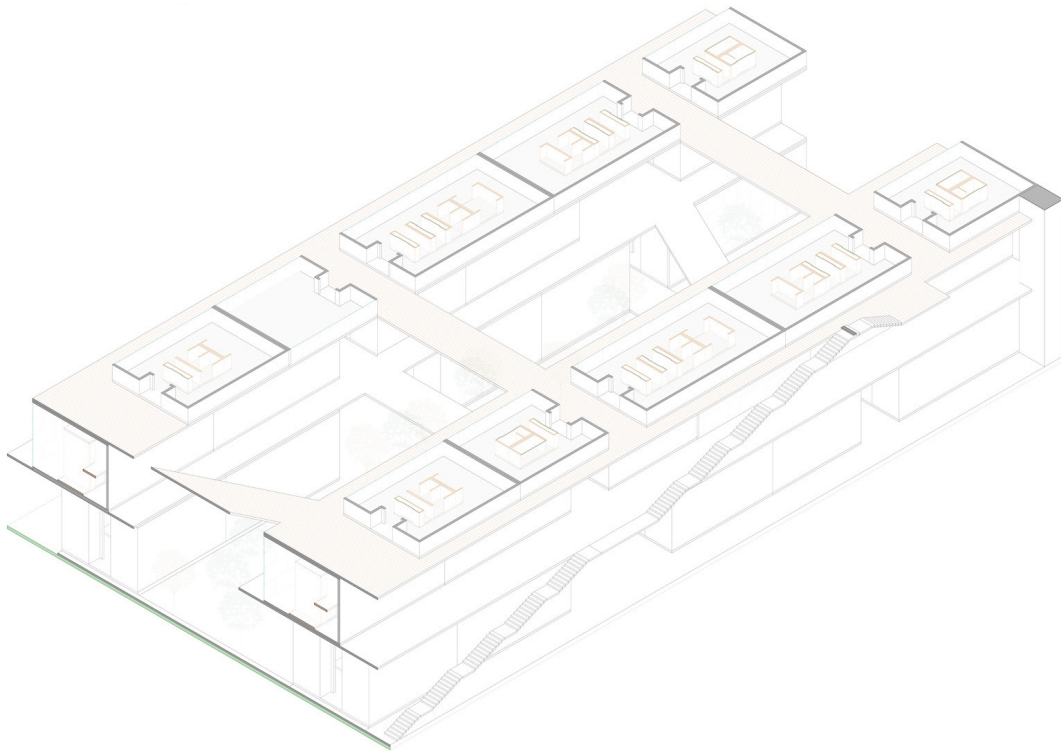


Physical Model

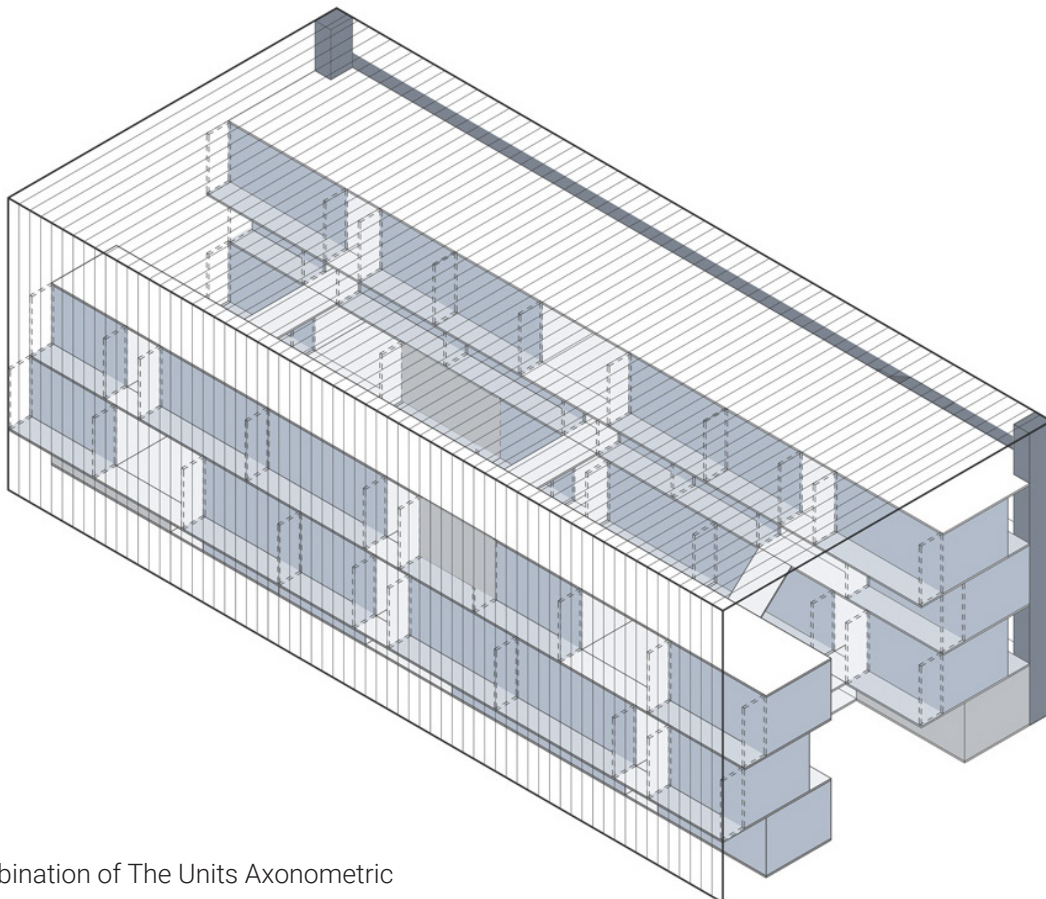
- Stairs
- Elevators
- Horizontal Circulation
- Common Spaces
- Facilities
- Duplexes
- Private Terraces



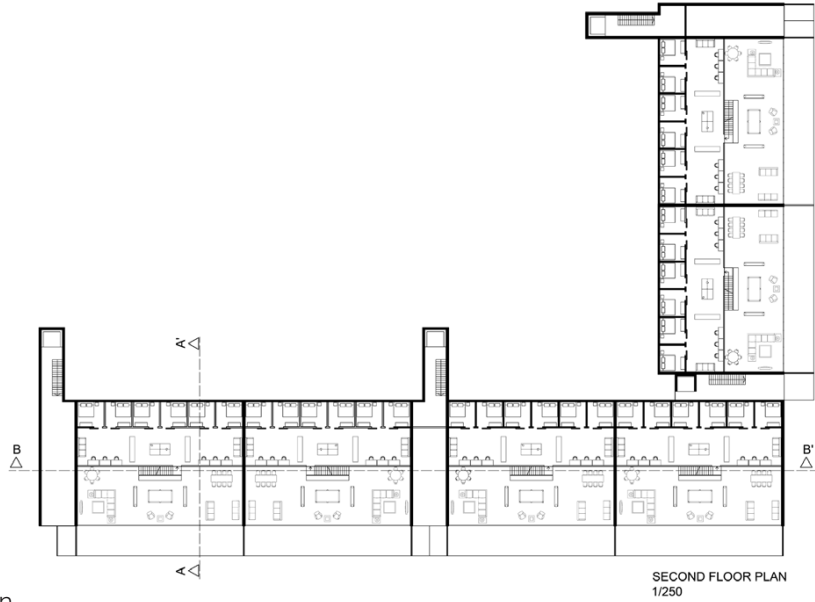
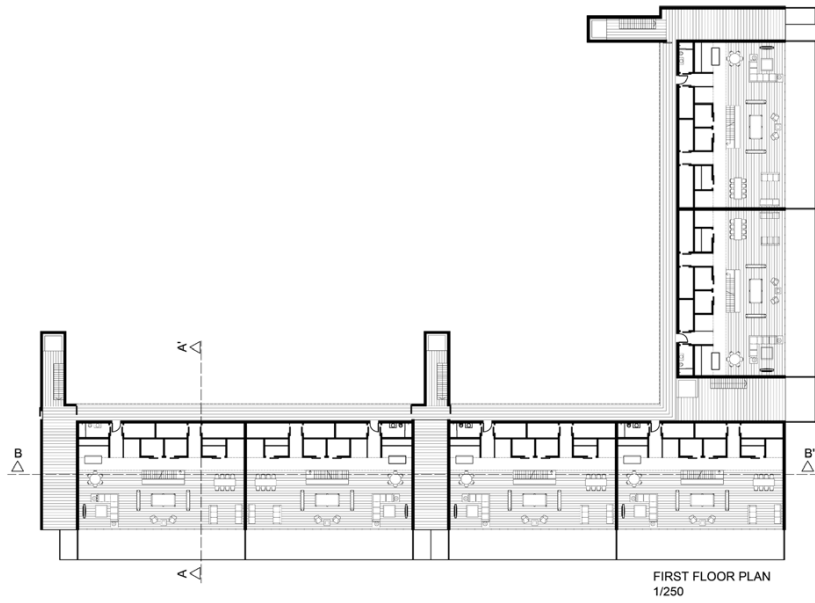
Axonometric Diagram



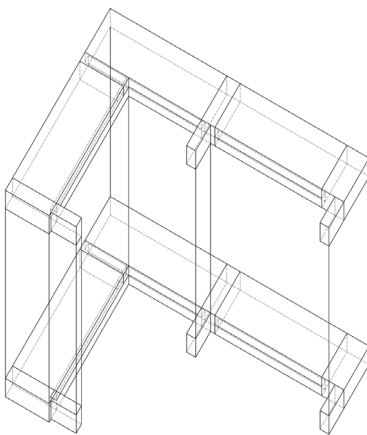
Cut-away Axonometric



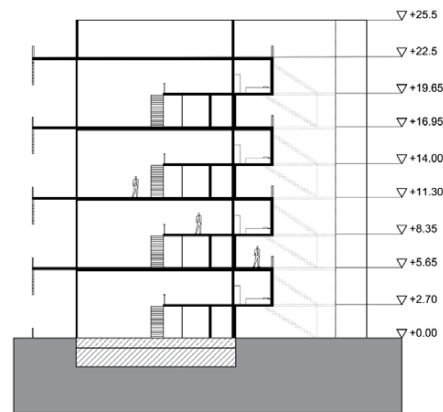
Combination of The Units Axonometric



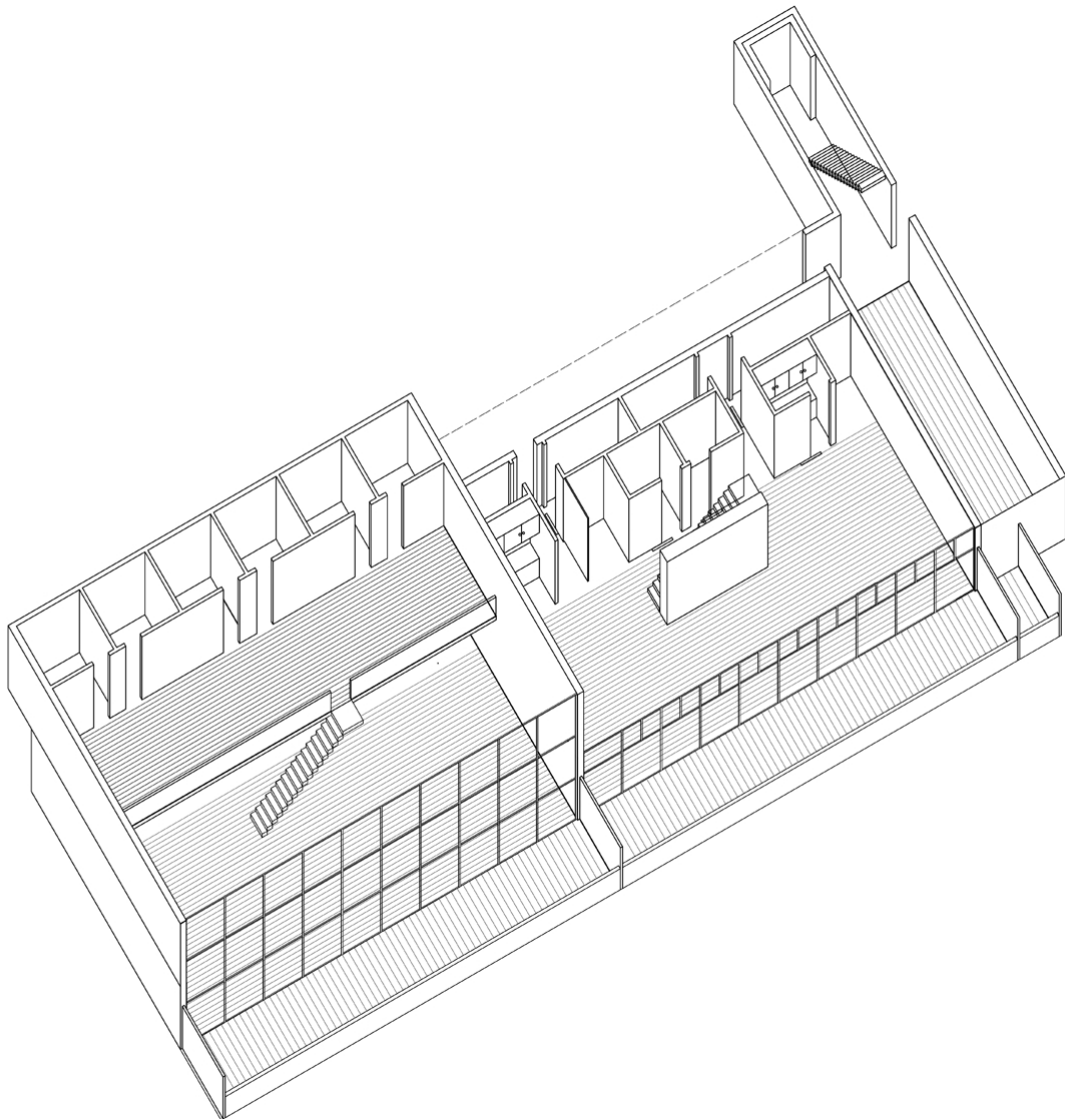
Typical Floor Plan



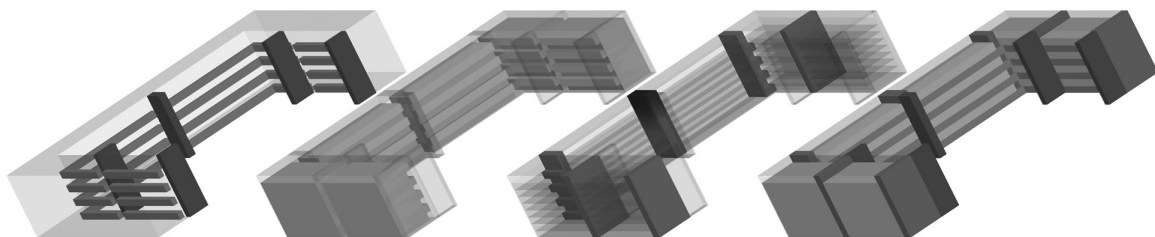
Exploded Axonometric



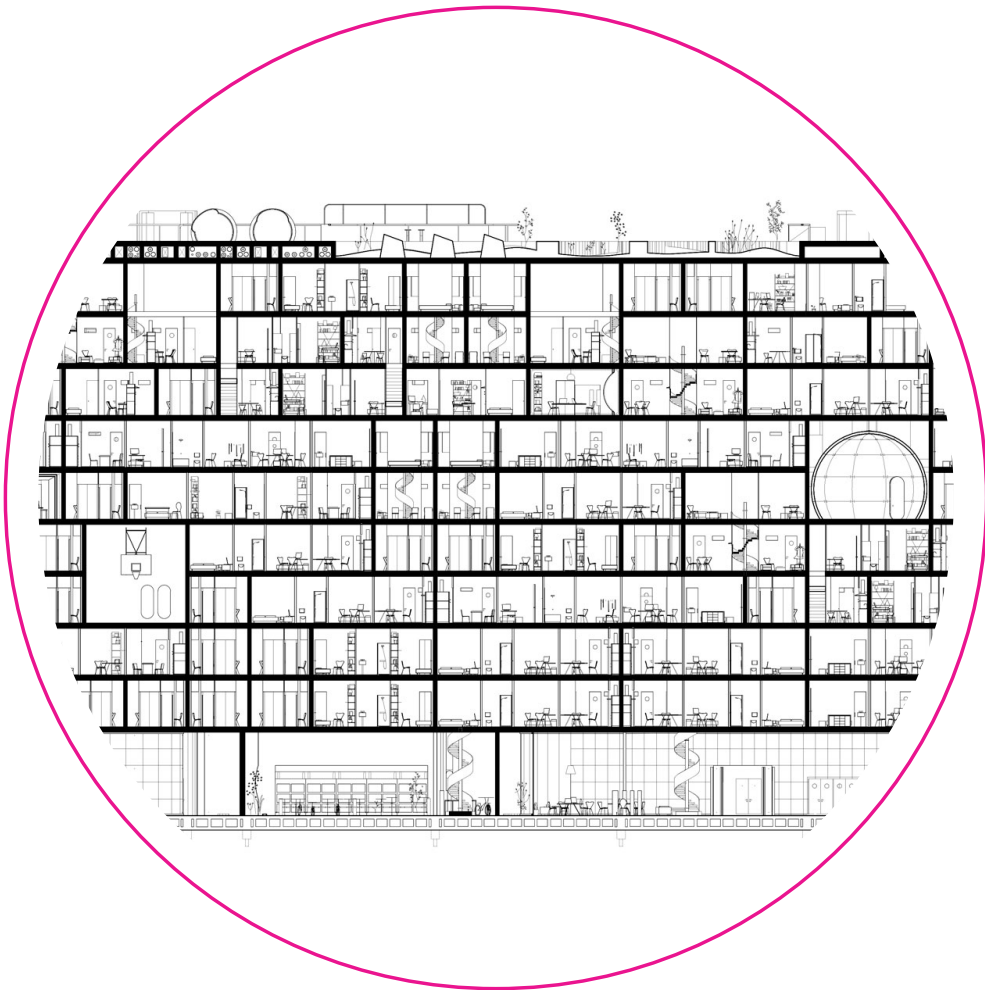
Transversal Section



Cut-away Axonometric



Axonometric Diagram

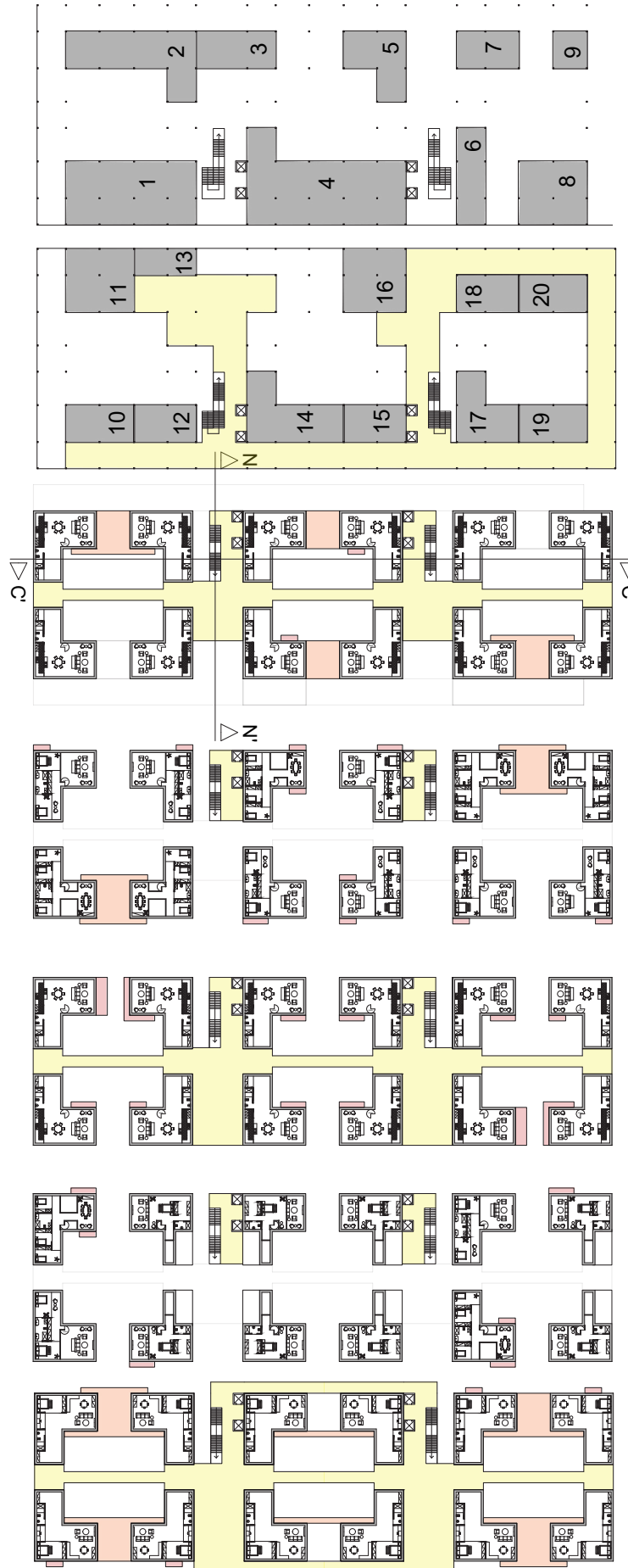


Pin Up 2.

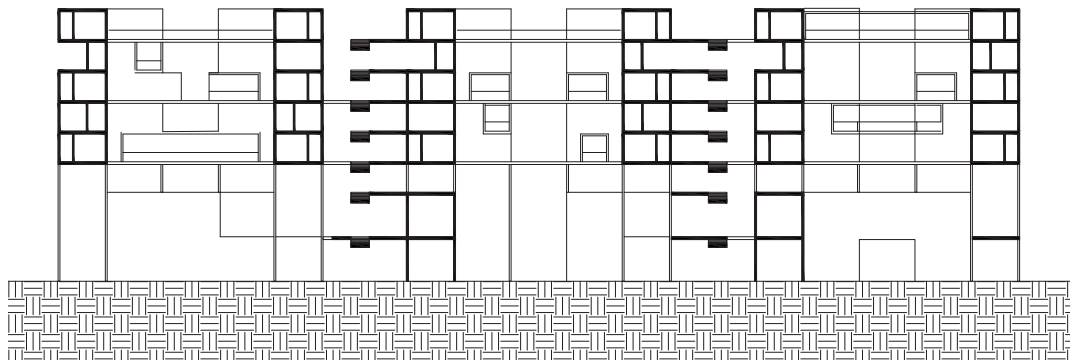
ASSEMBLAGE II.



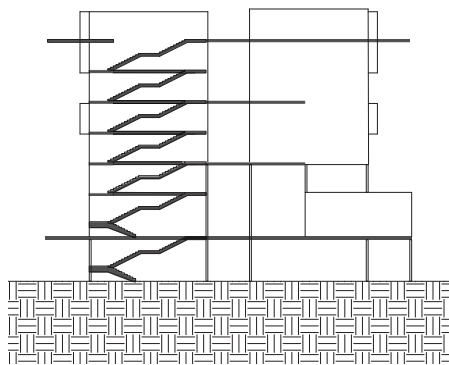
This is the very first step towards the visualization of a group of integrated volumes that eventually will generate the building. In this phase students are asked firstly to add in the previous cluster (ass. 02) a number of extra functions and related spaces allocated for shared facilities, public and common activities, lingering areas. In this assignment the main aim is to achieve a desirable level of volume interpenetration and spatial articulation. Therefore the main focus is the vertical assembly of all the parts that should be illustrated with a series of plans (1:500), a main vertical section(s) (1:200), a sketch model, and axonometric views.



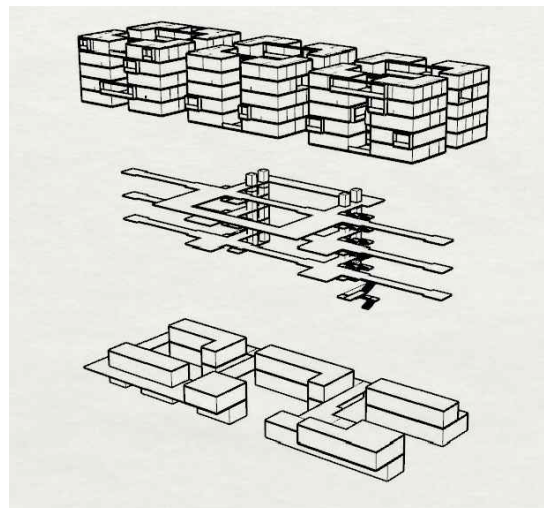
Ground Floor Plan and Floor Plans



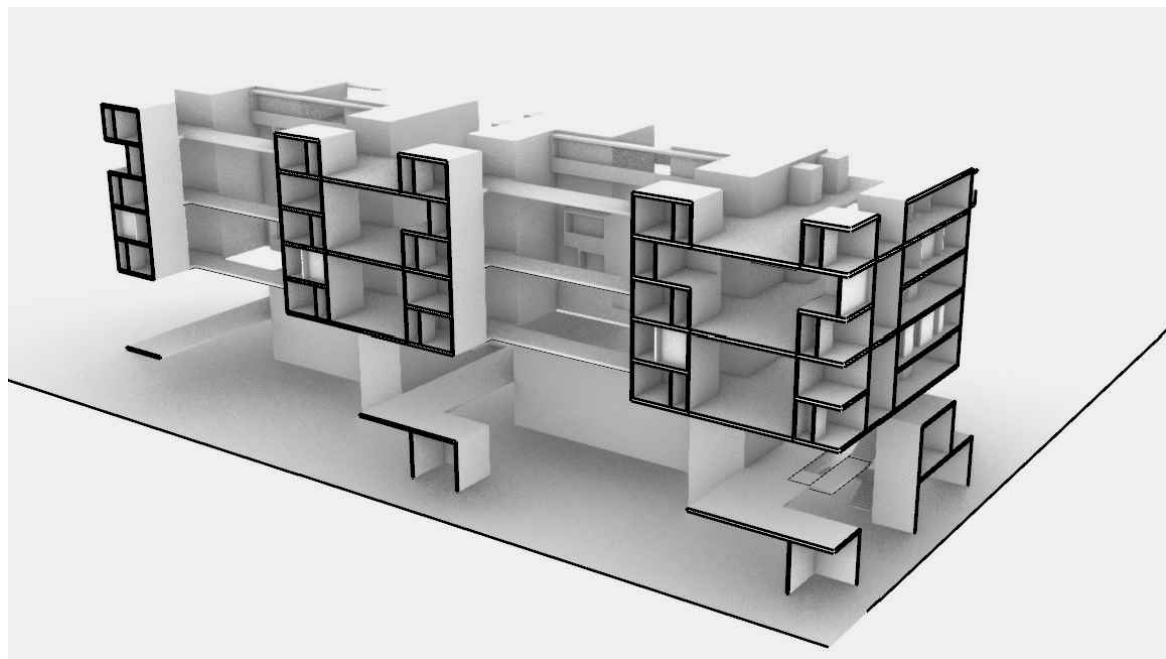
Living Section



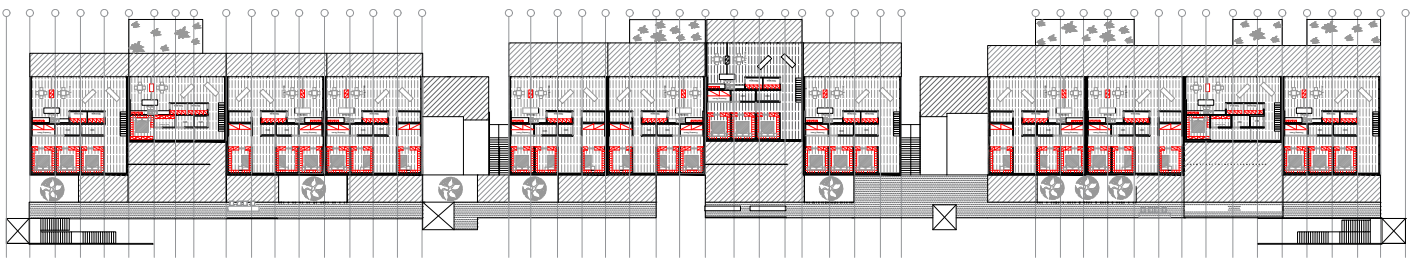
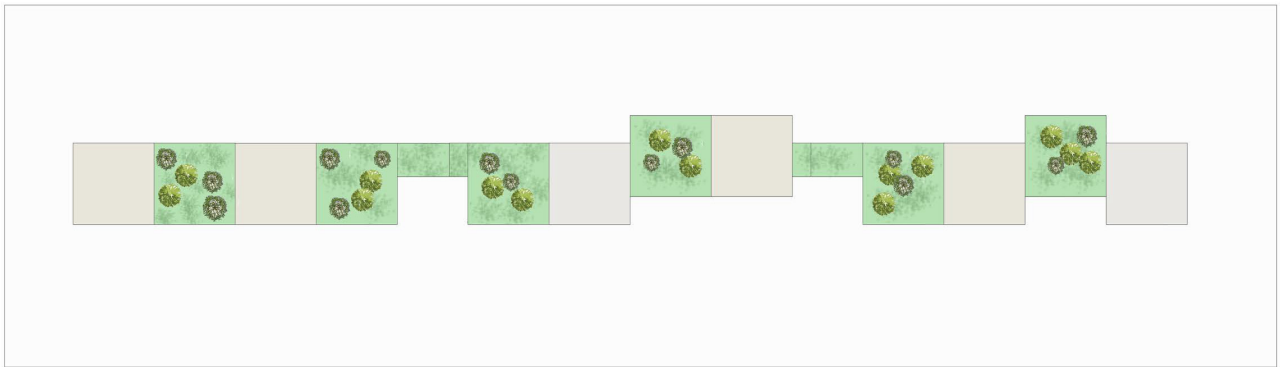
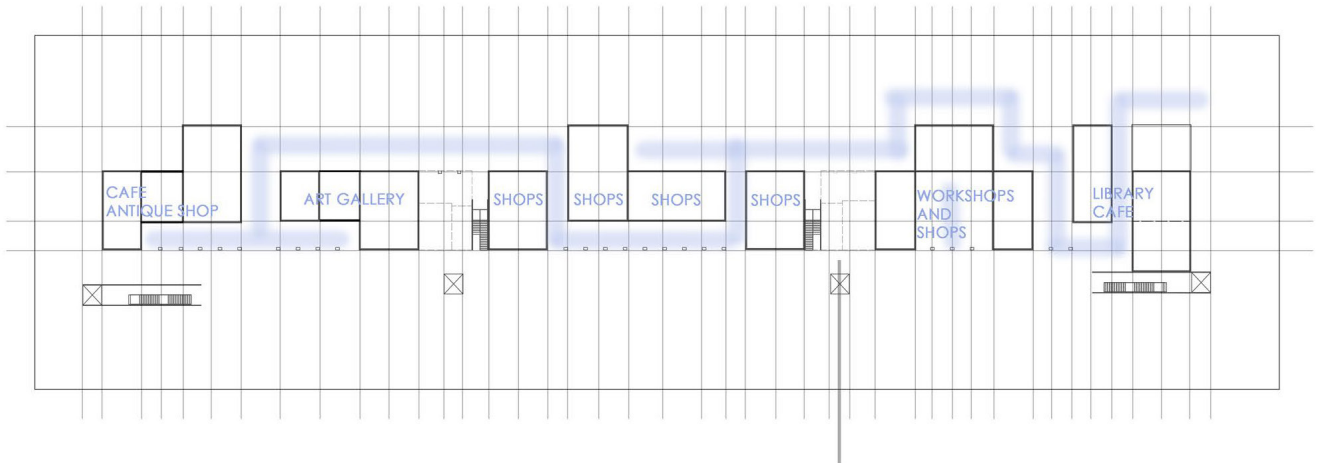
Transversal Section



Exploded Axonometric



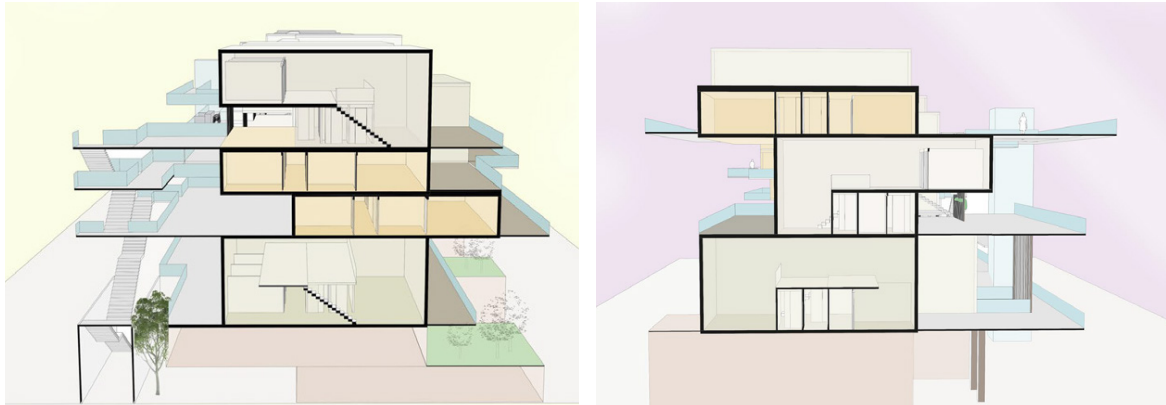
Cut-away Axonometric



Ground Floor Plan and Floor Plans

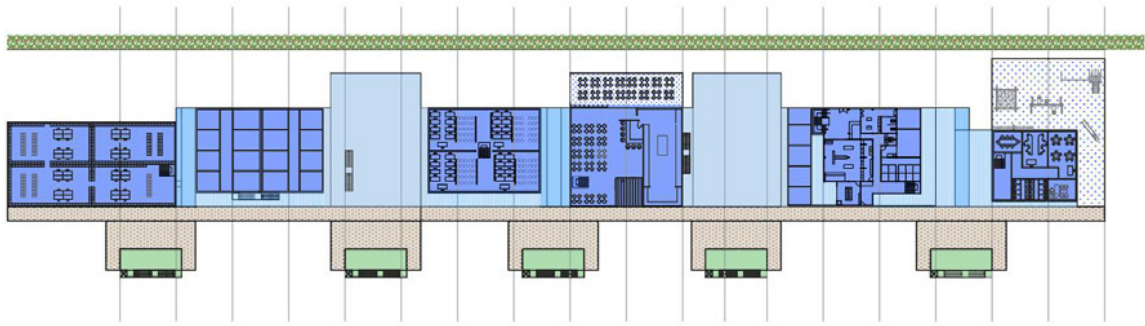


Living Section



Perspective Sections

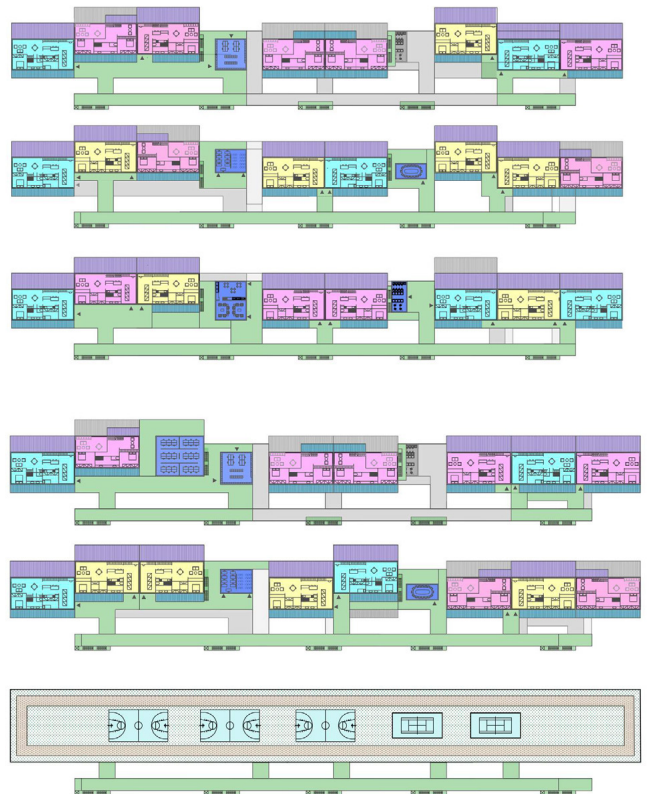




Ground Floor Plan



Physical Model

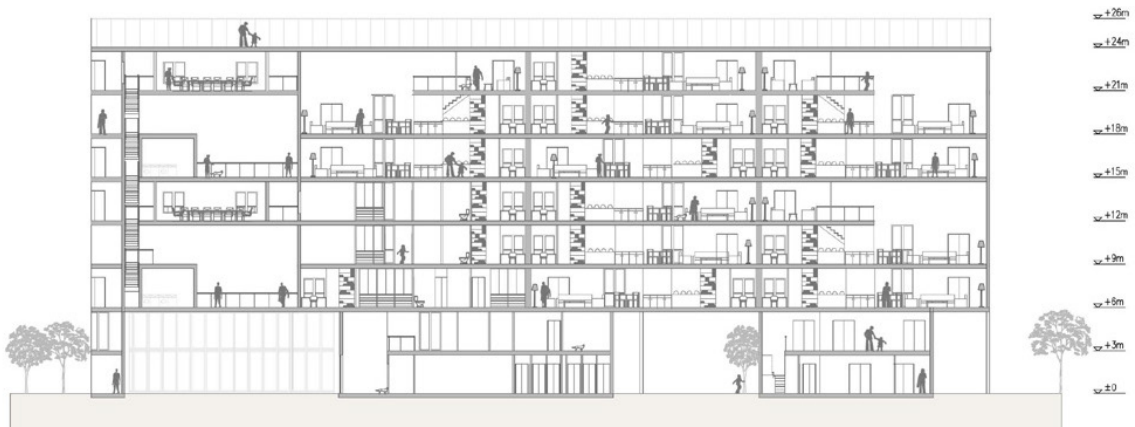


Floor Plans

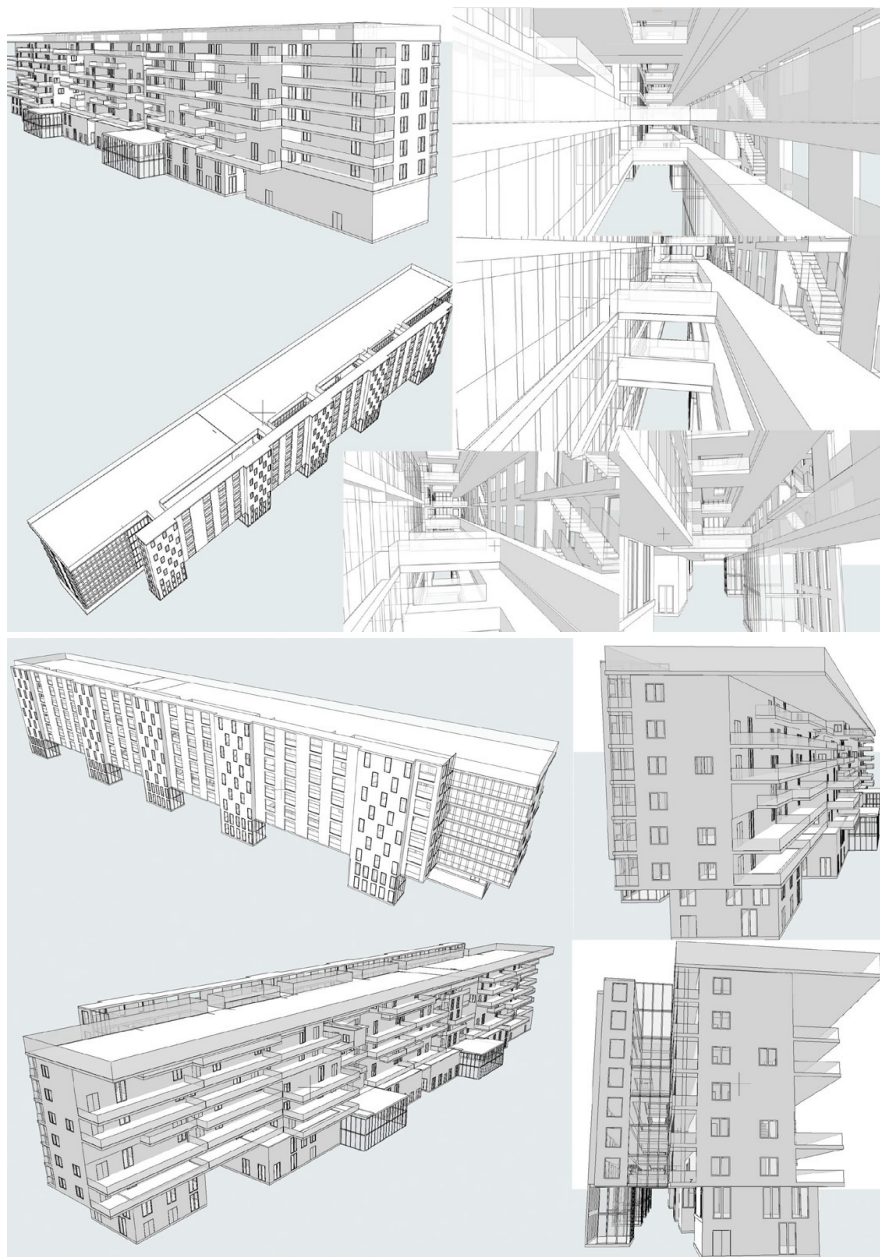


Transversal Sections

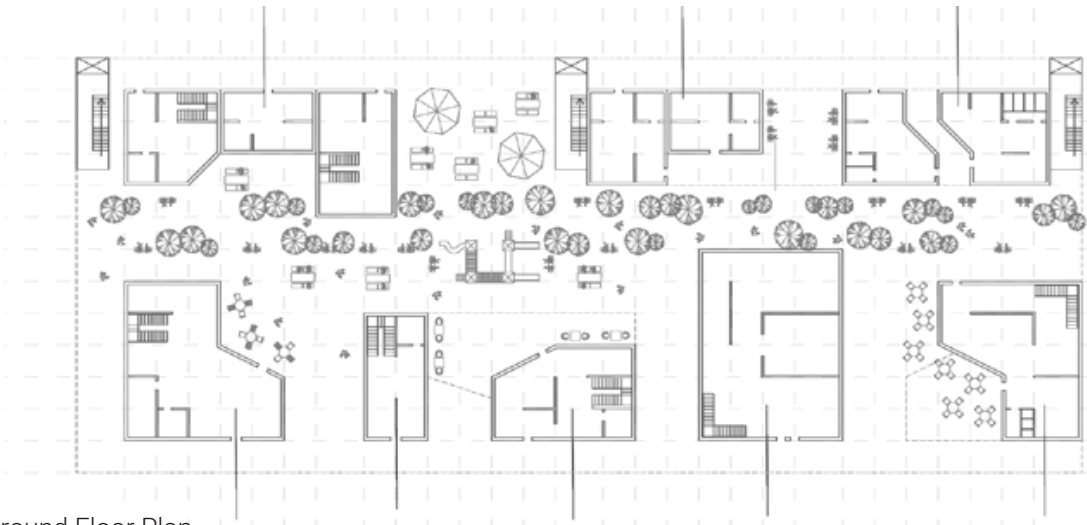




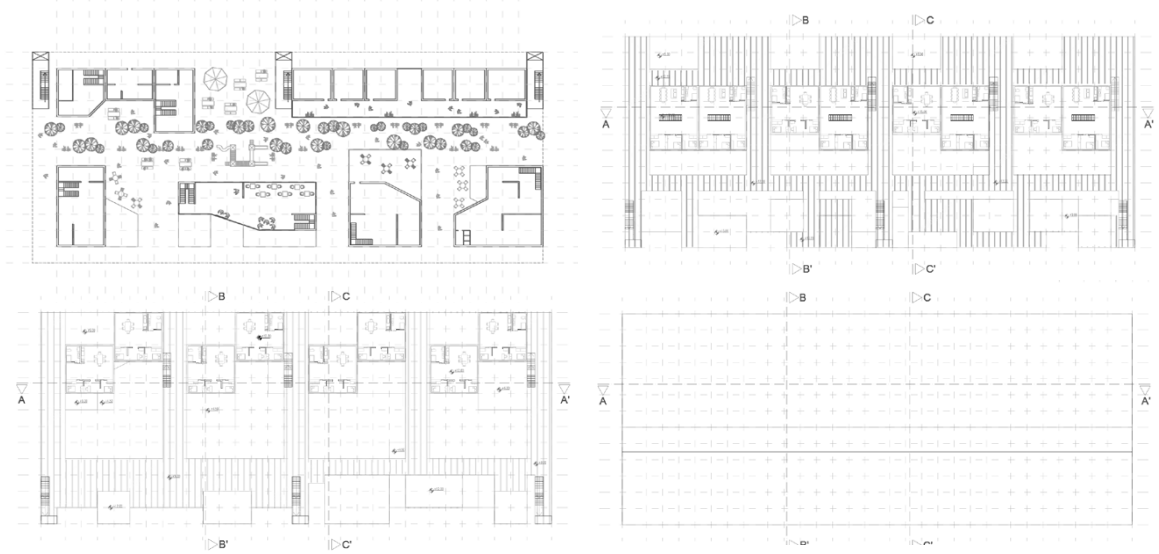
Living Section



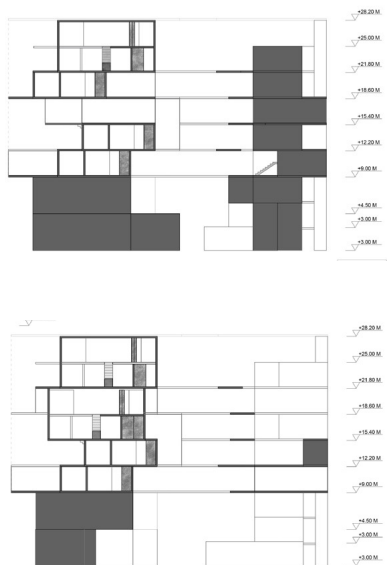
Perspectives



Ground Floor Plan



Floor Plans



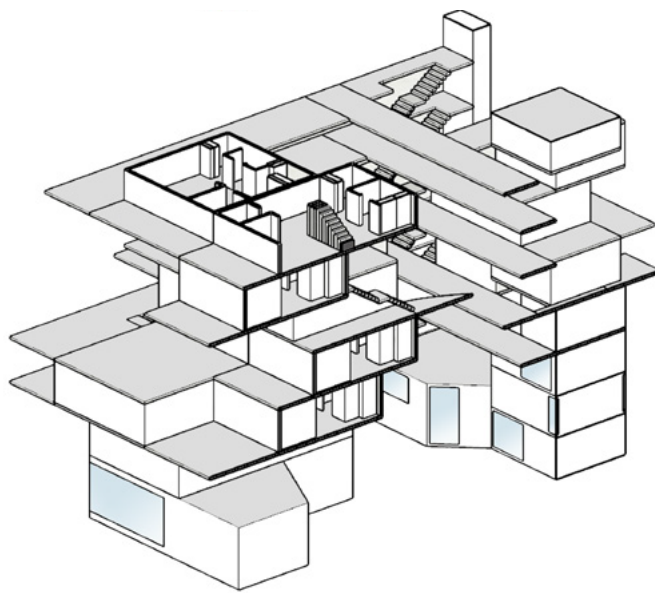
Transversal Sections



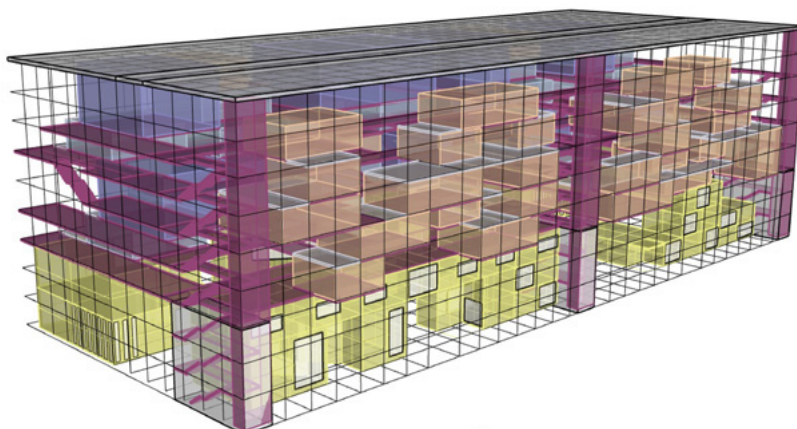
Physical Model



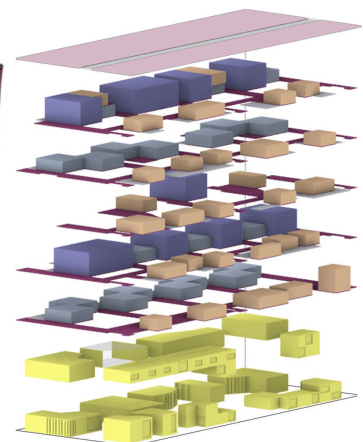
Living Section



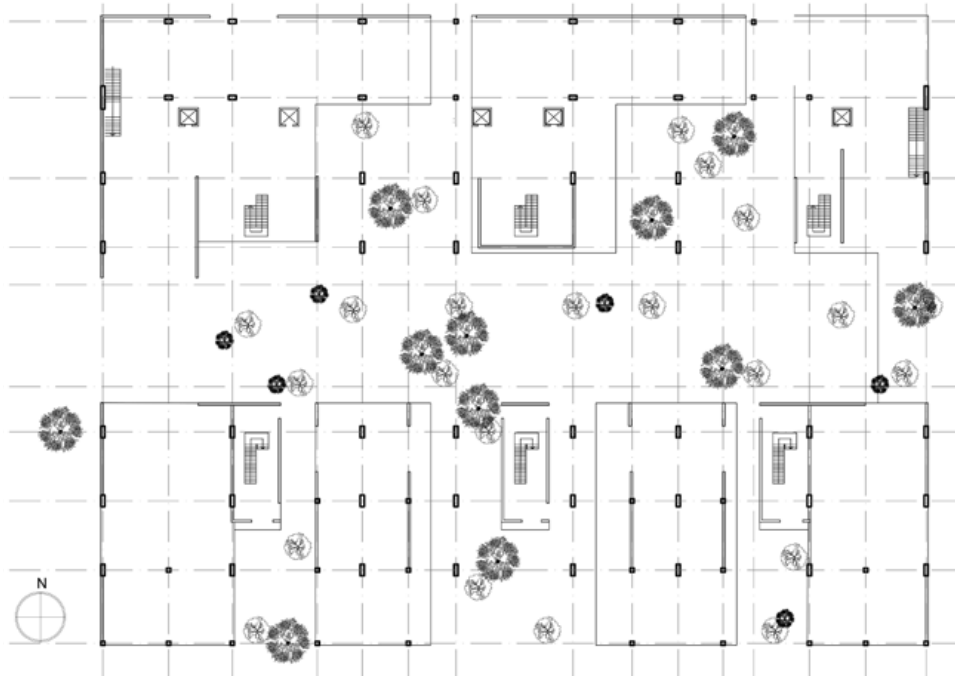
Partial Axonometric



Axonometric View



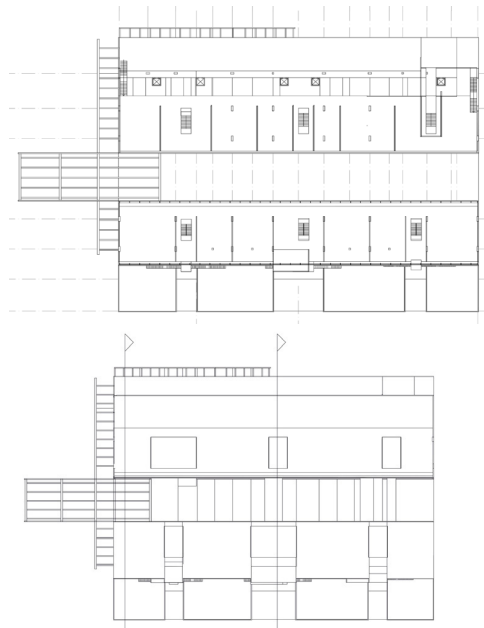
Exploded Axonometric



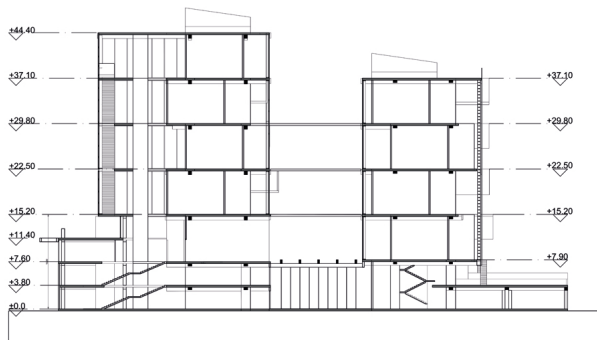
Ground Floor Plan



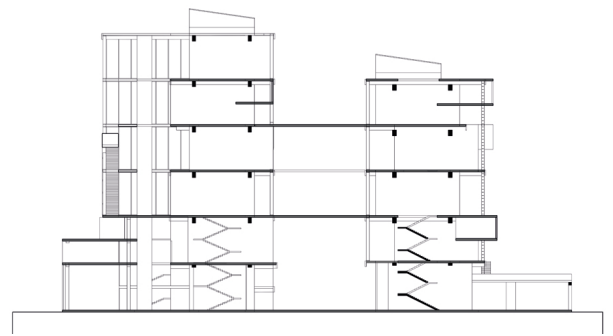
Physical Model

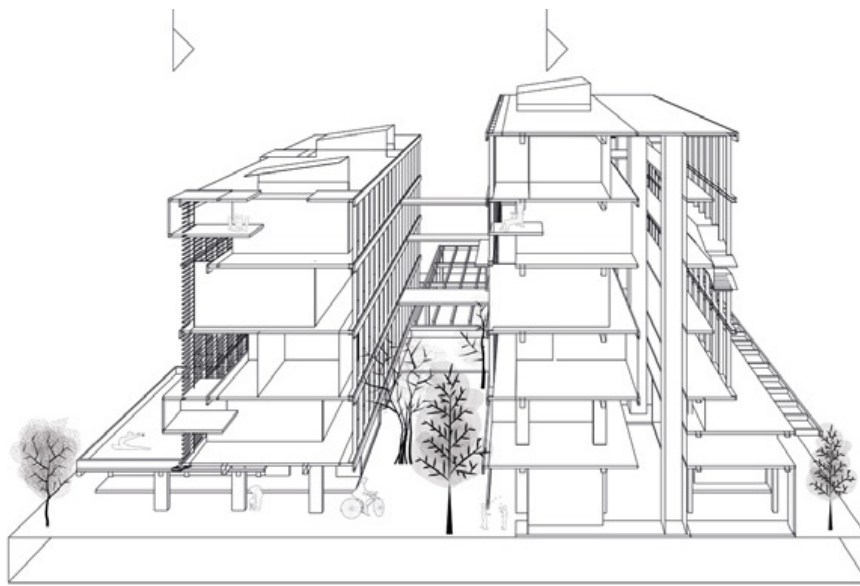


Floor Plans

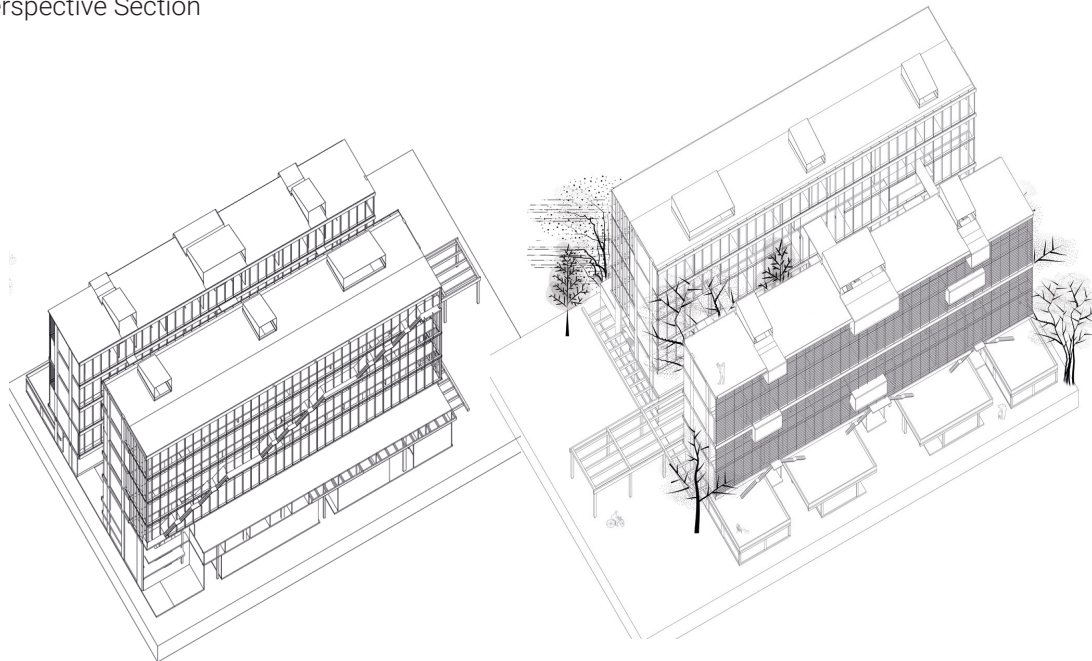


Transversal Sections

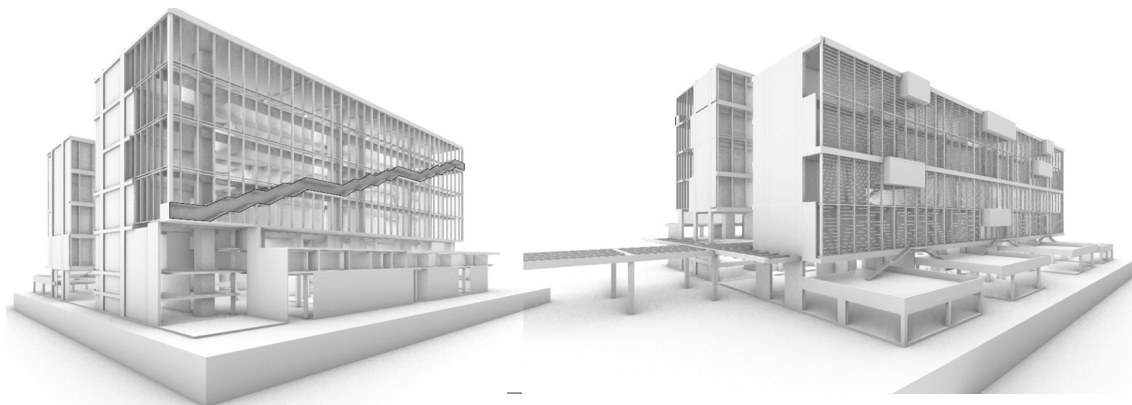




Perspective Section



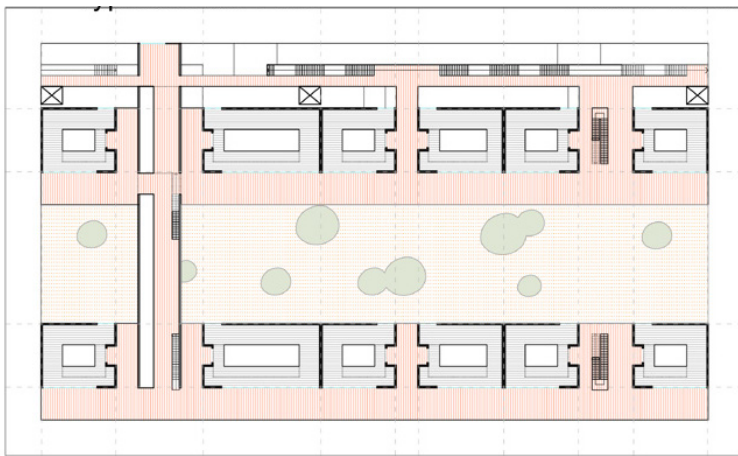
Axonometric Views



Perspectives



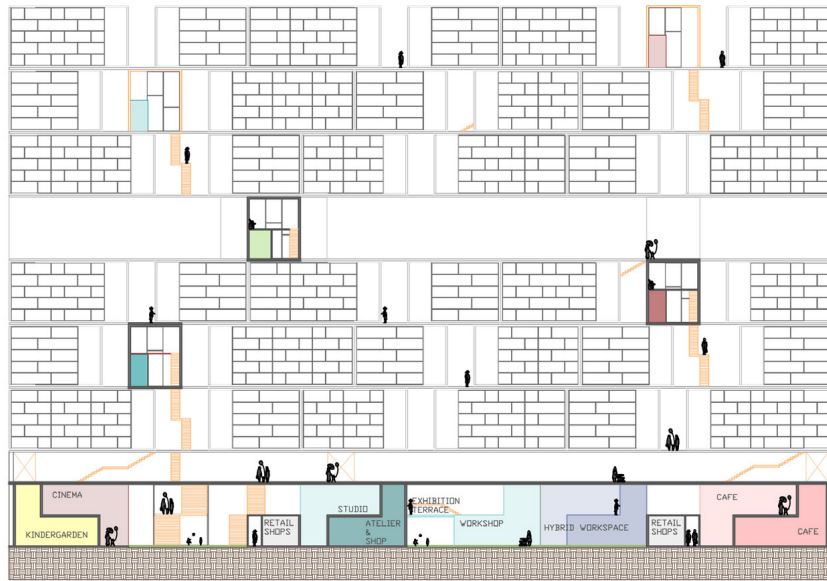
Ground Floor Plan



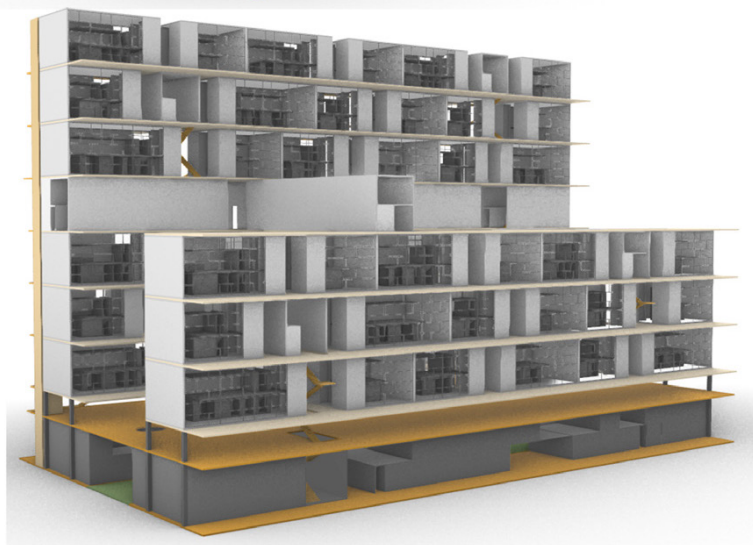
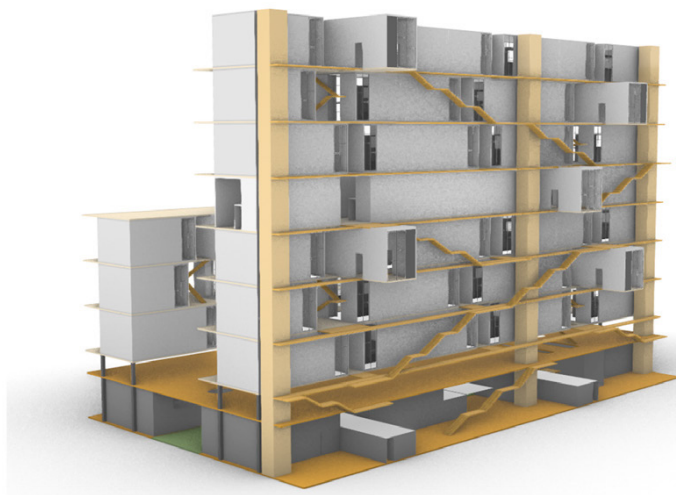
Typical Floor Plan



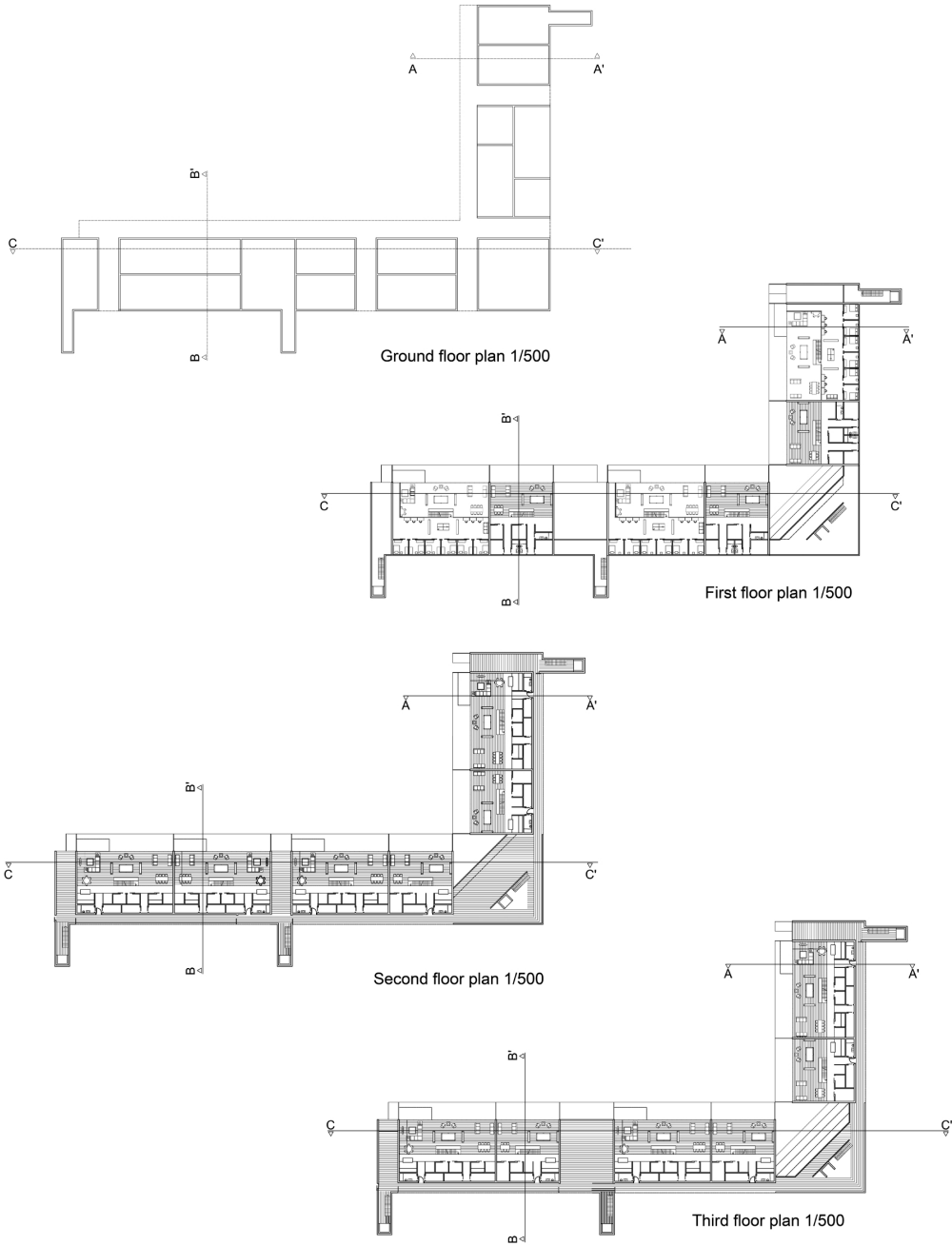
Transversal Sections



Living Section

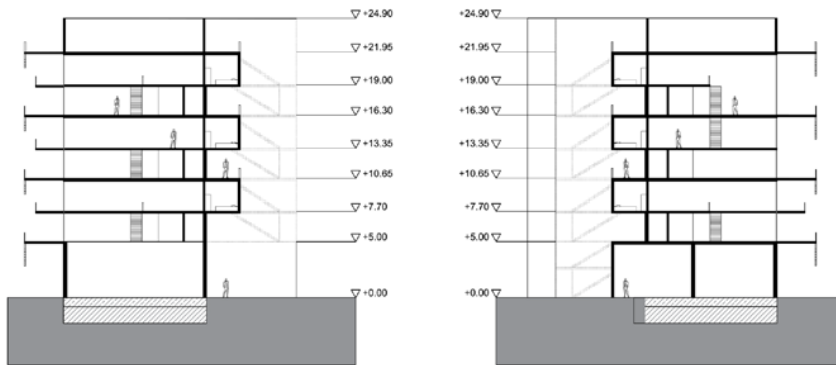


Axonometric Views

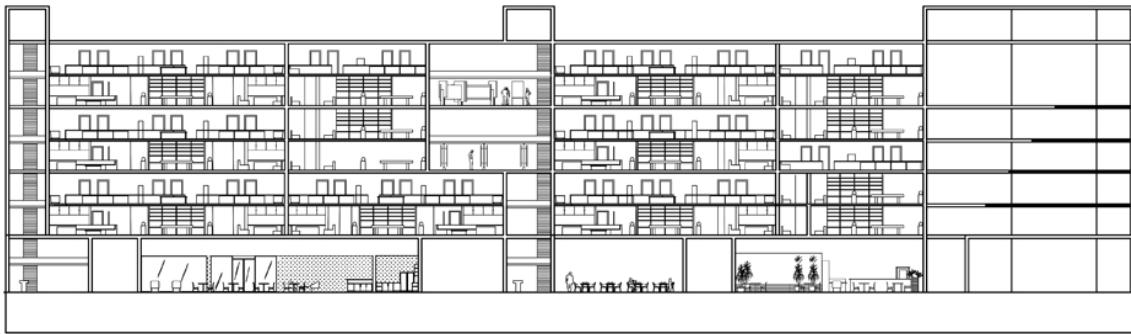


Ground Floor Plan

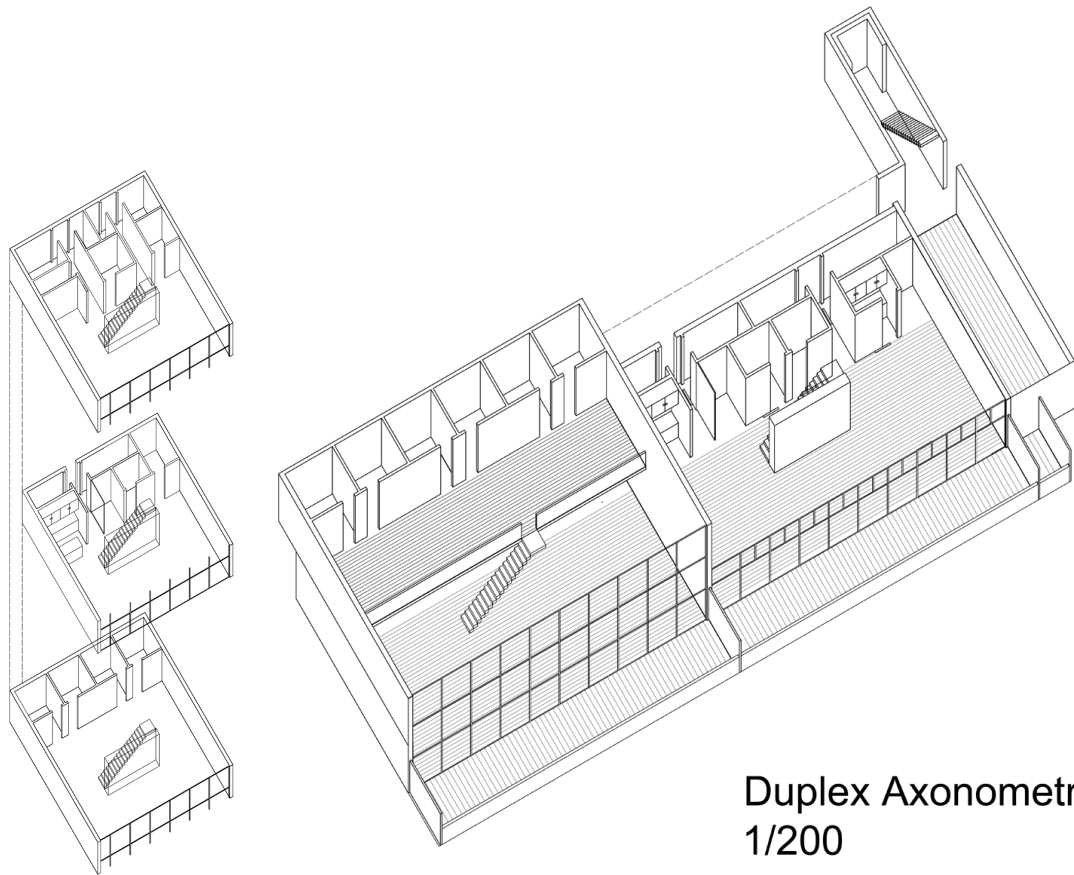
Floor Plans



Transversal Sections



Living Section



Triplex Axonometric 1/200

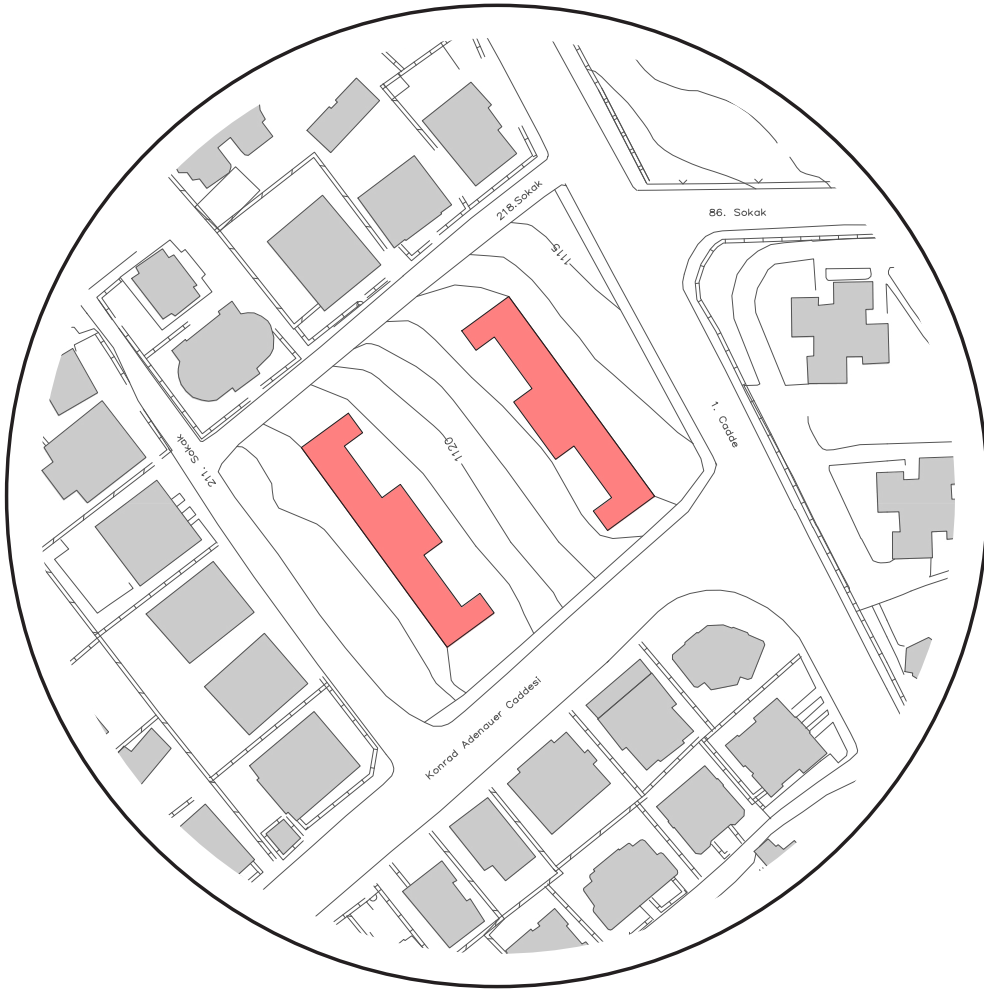
Duplex Axonometric
1/200

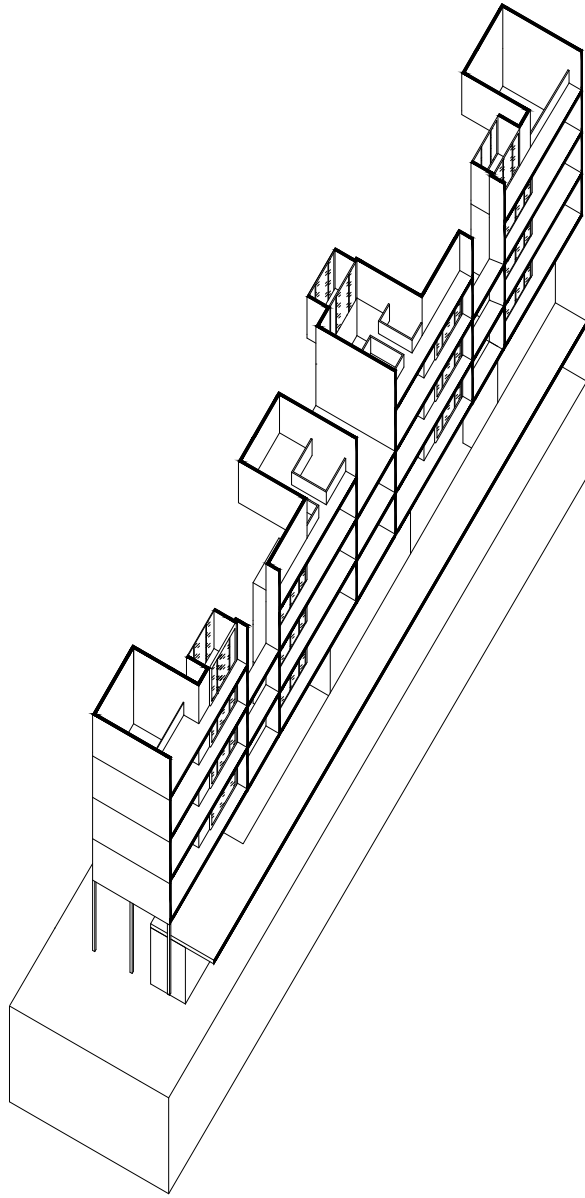
Exploded and Partial Axonometric

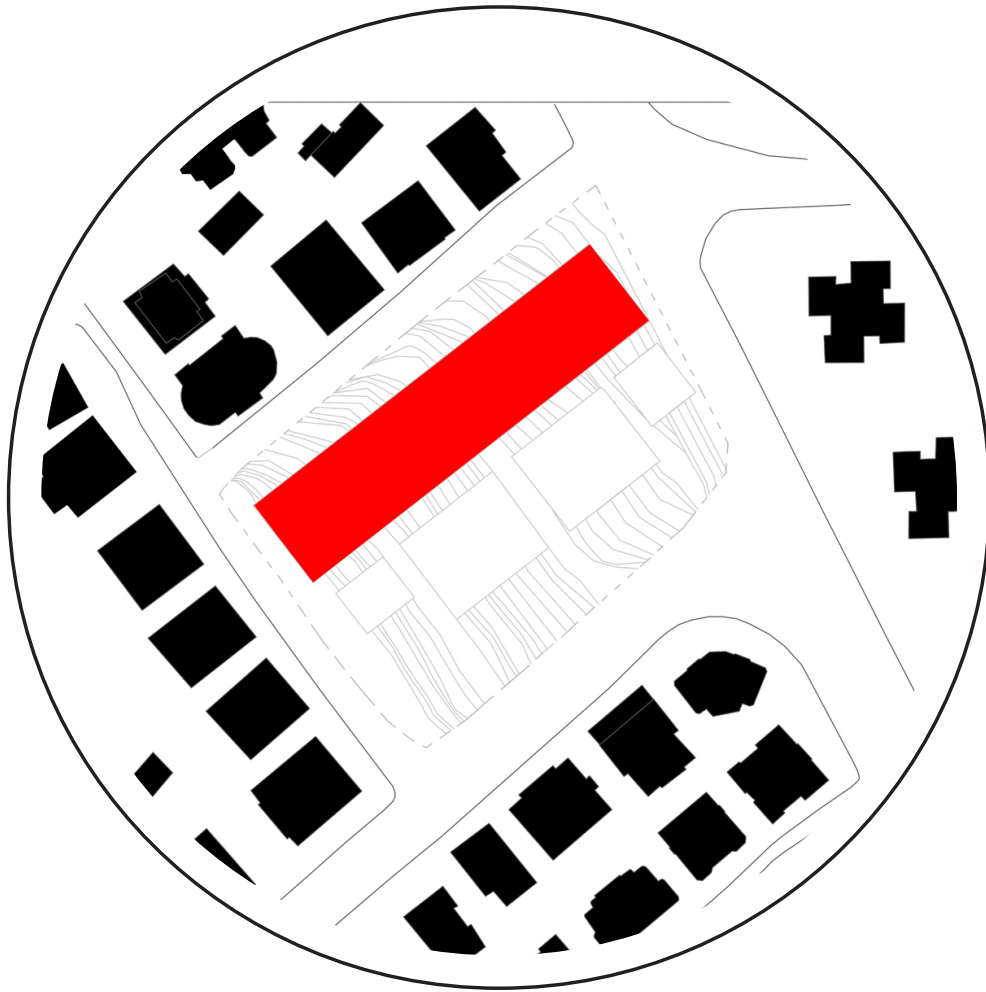


SITE PLAN

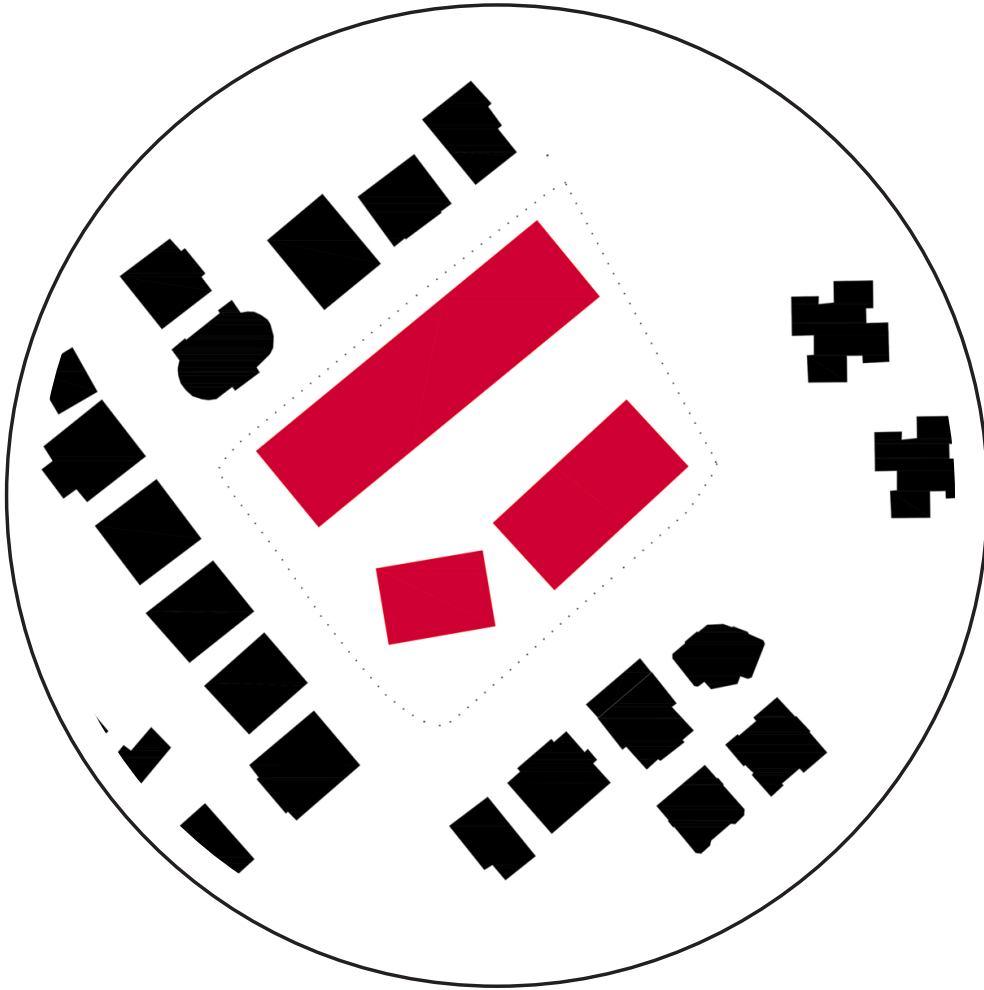


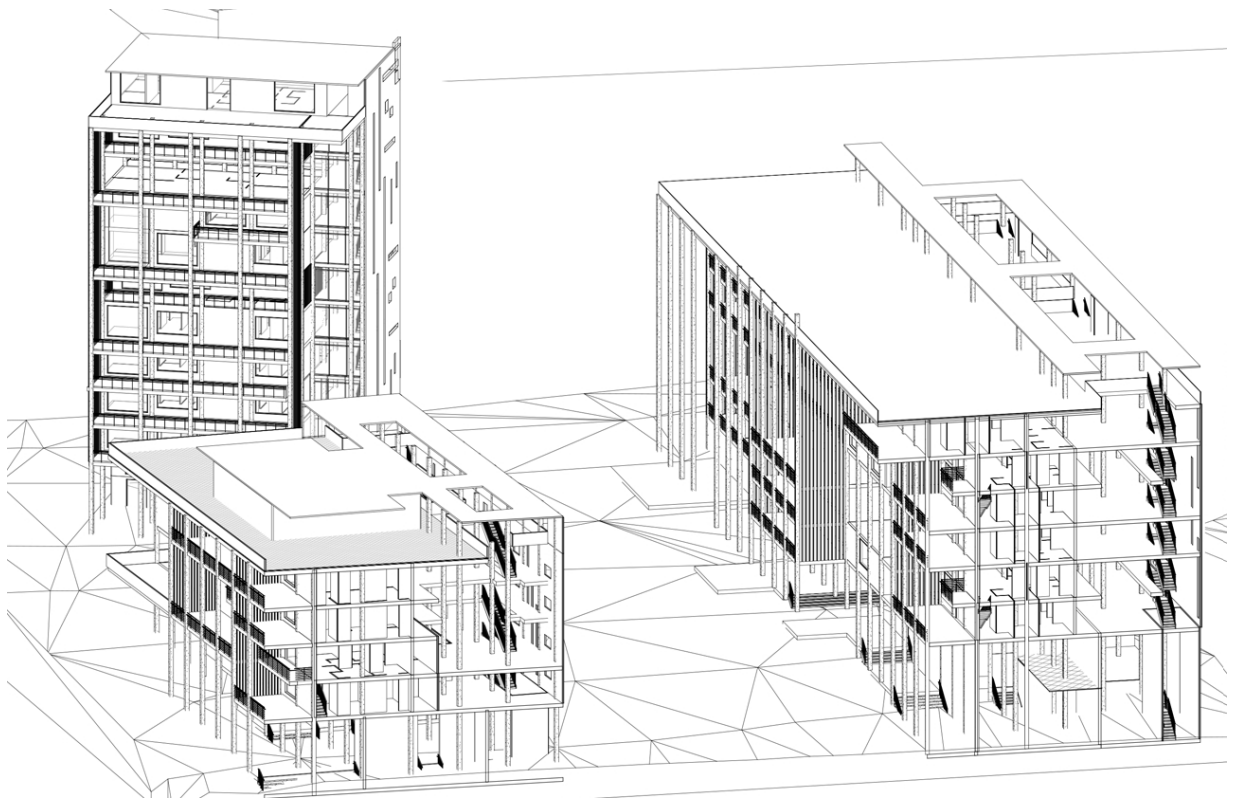


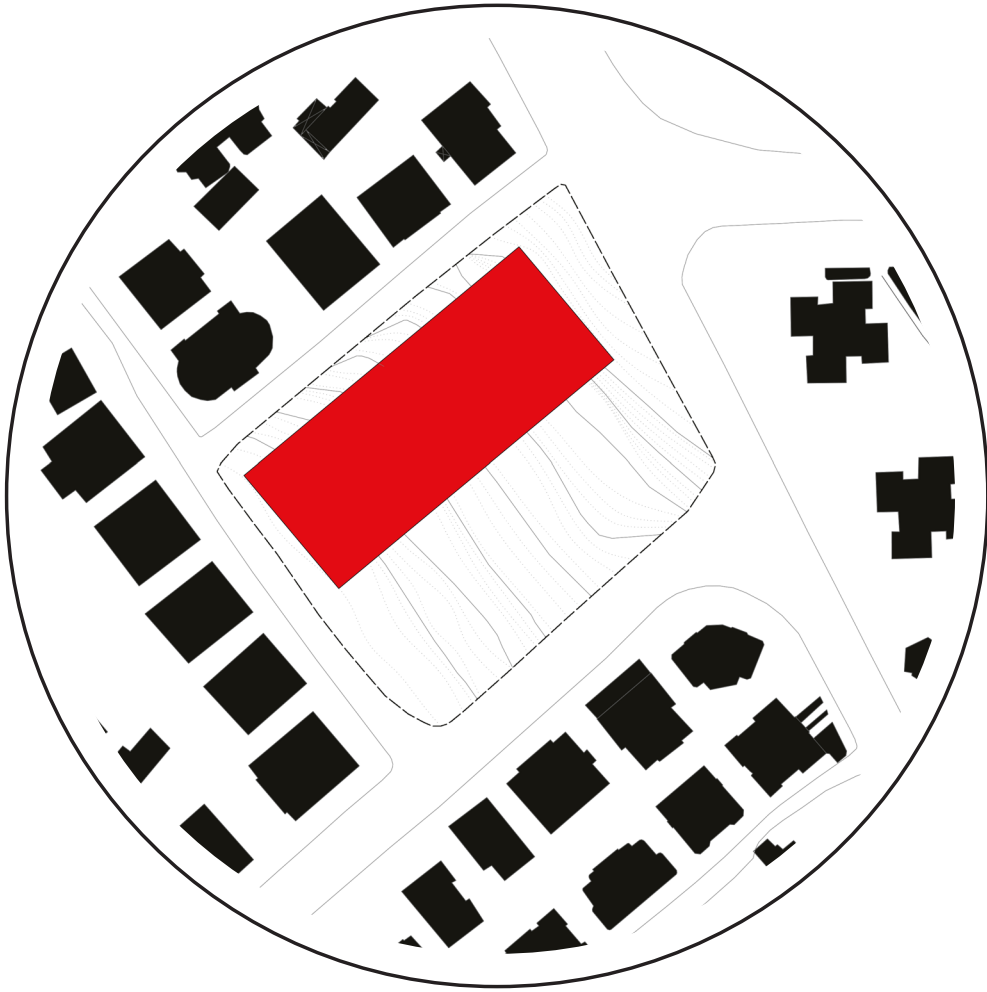


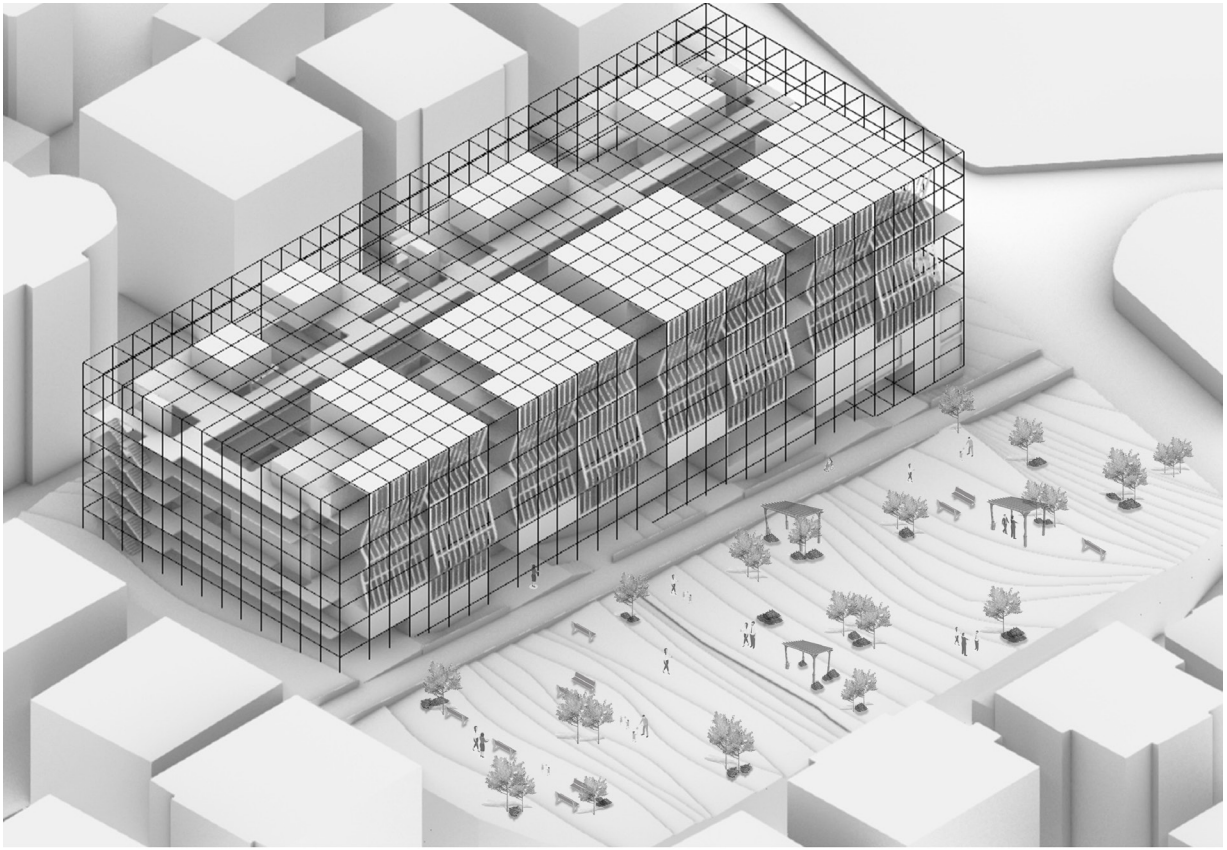


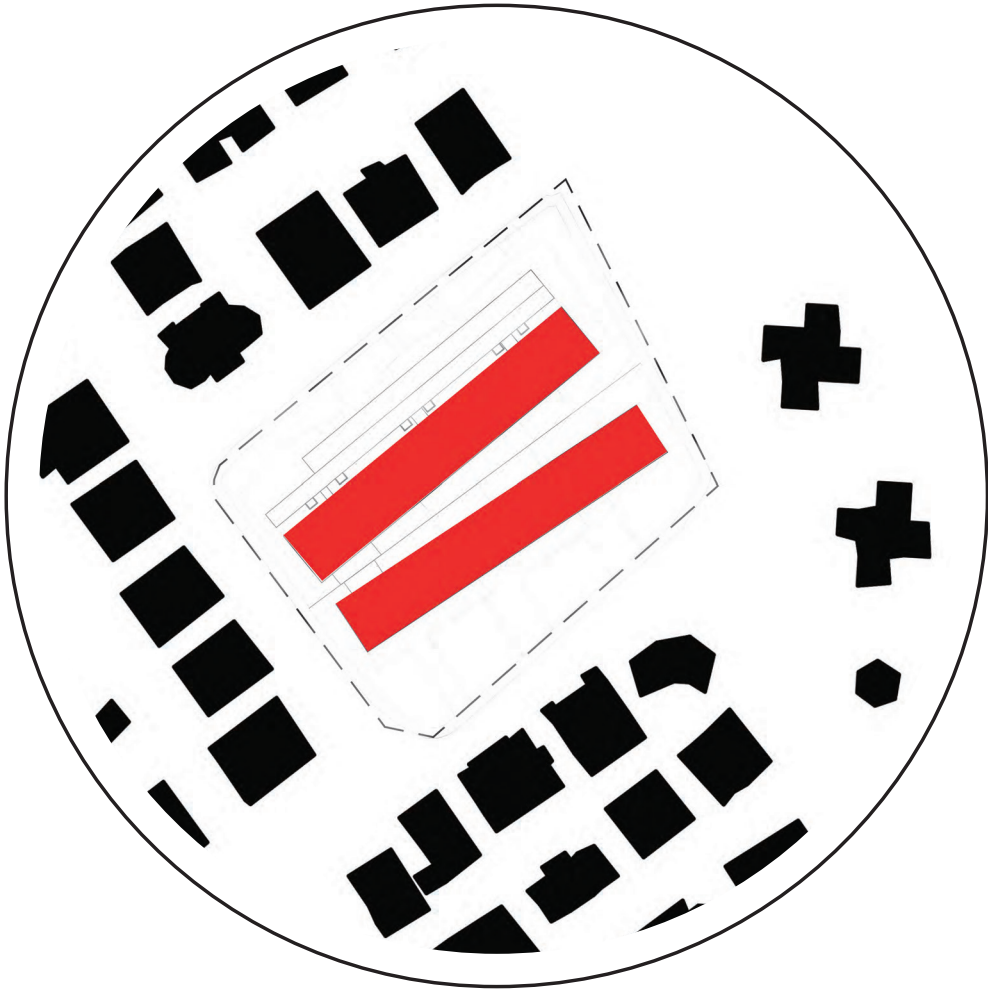


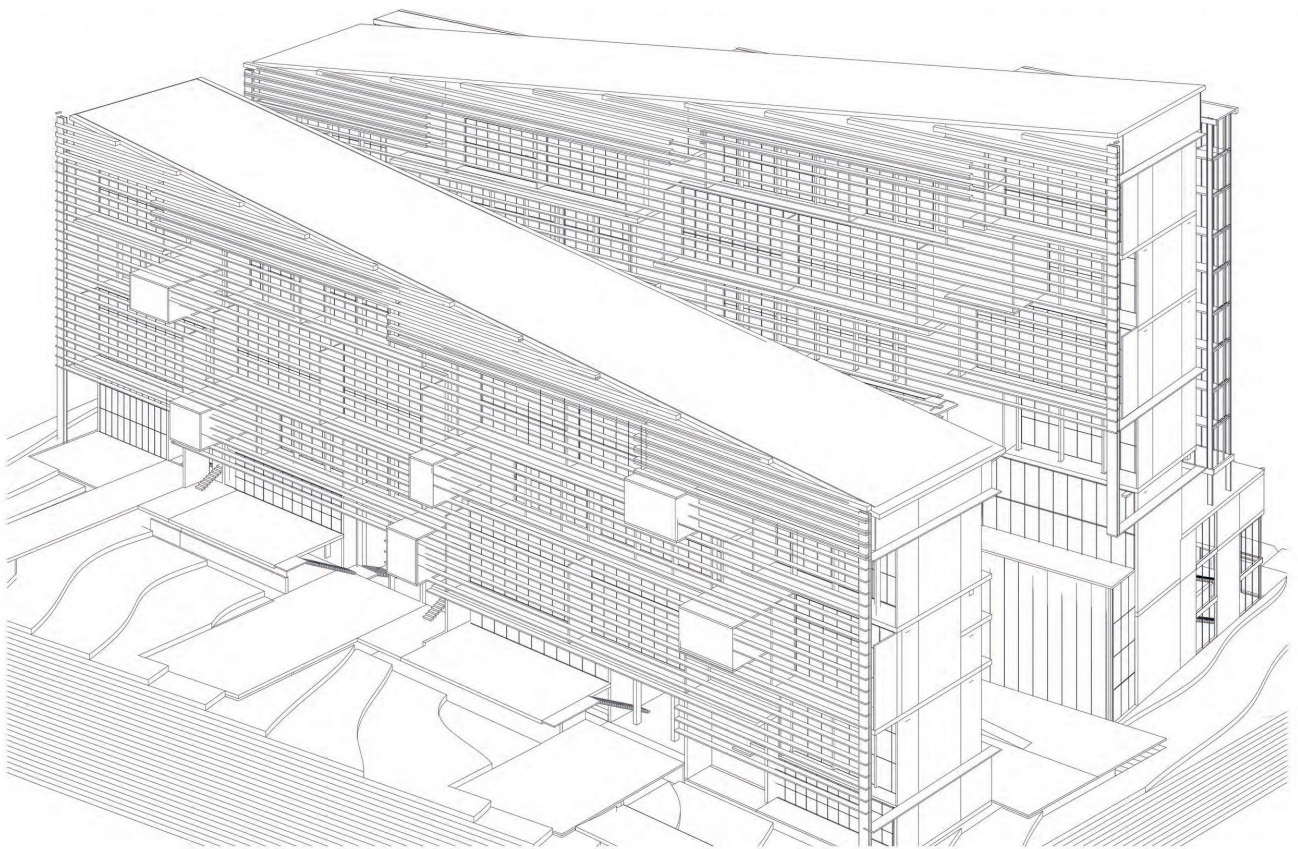


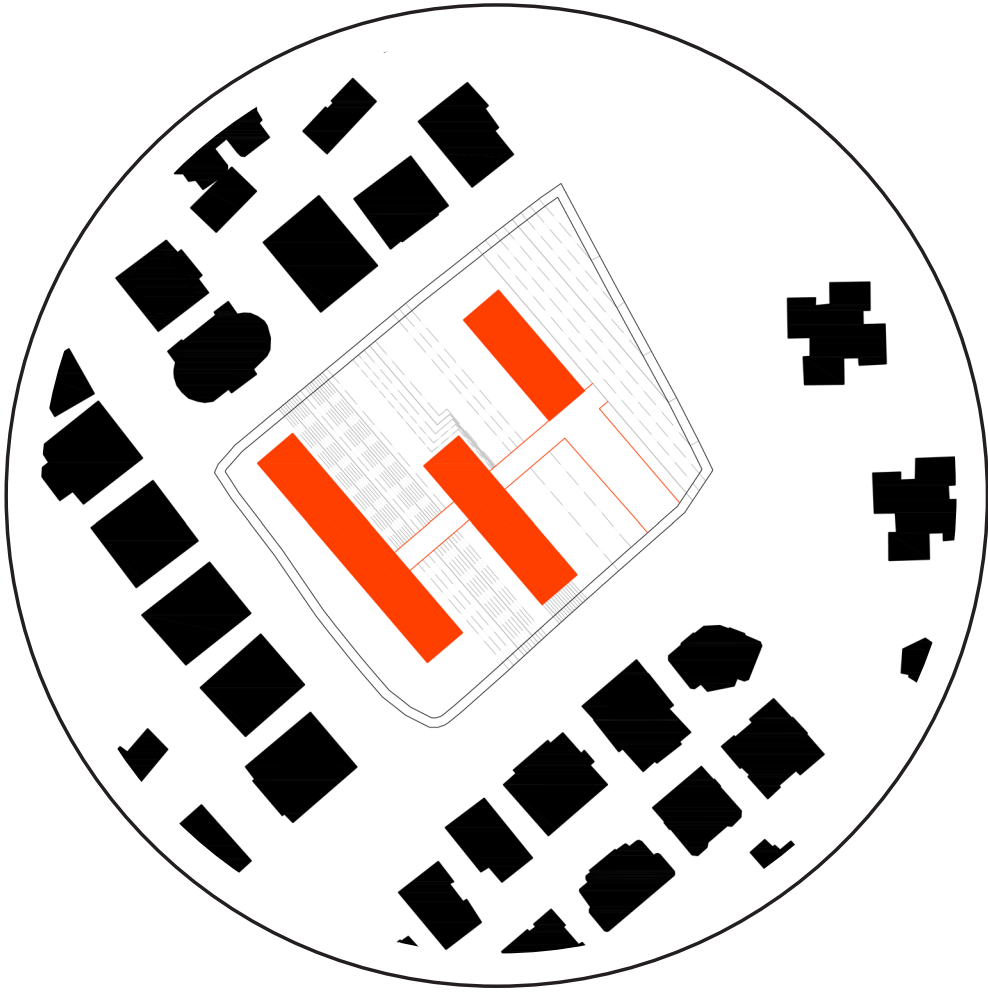


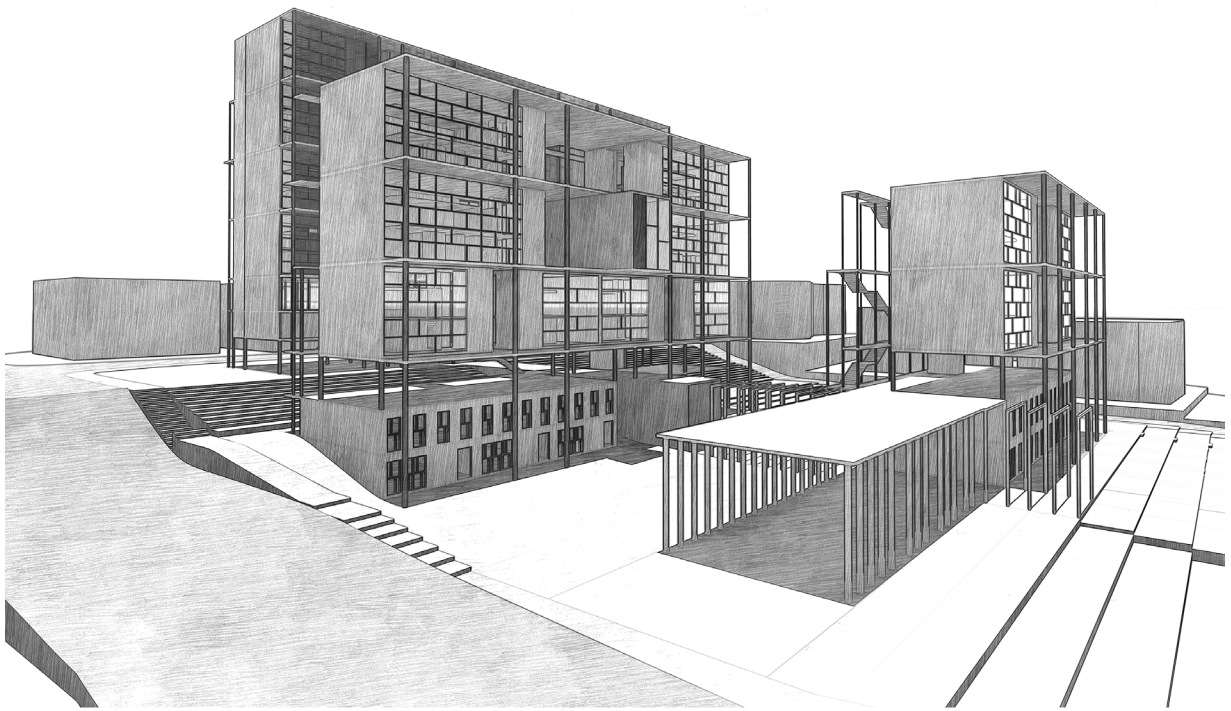


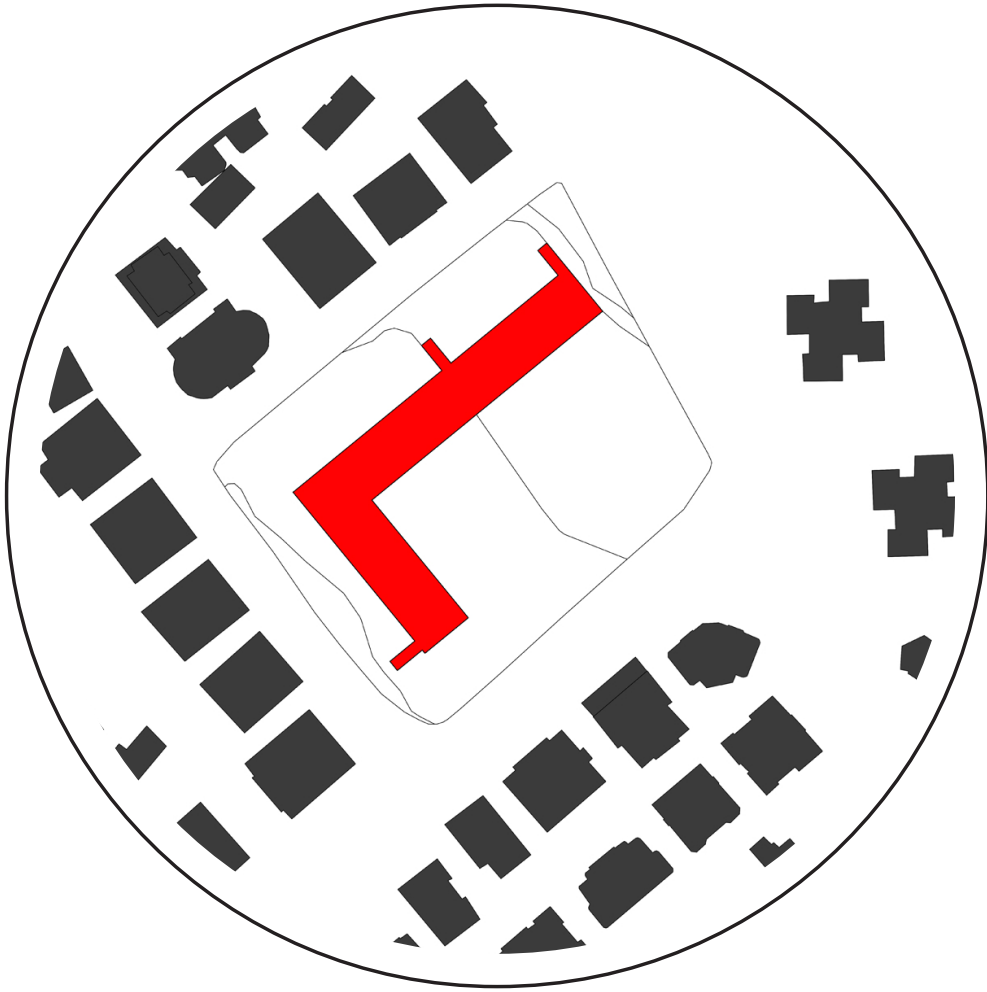


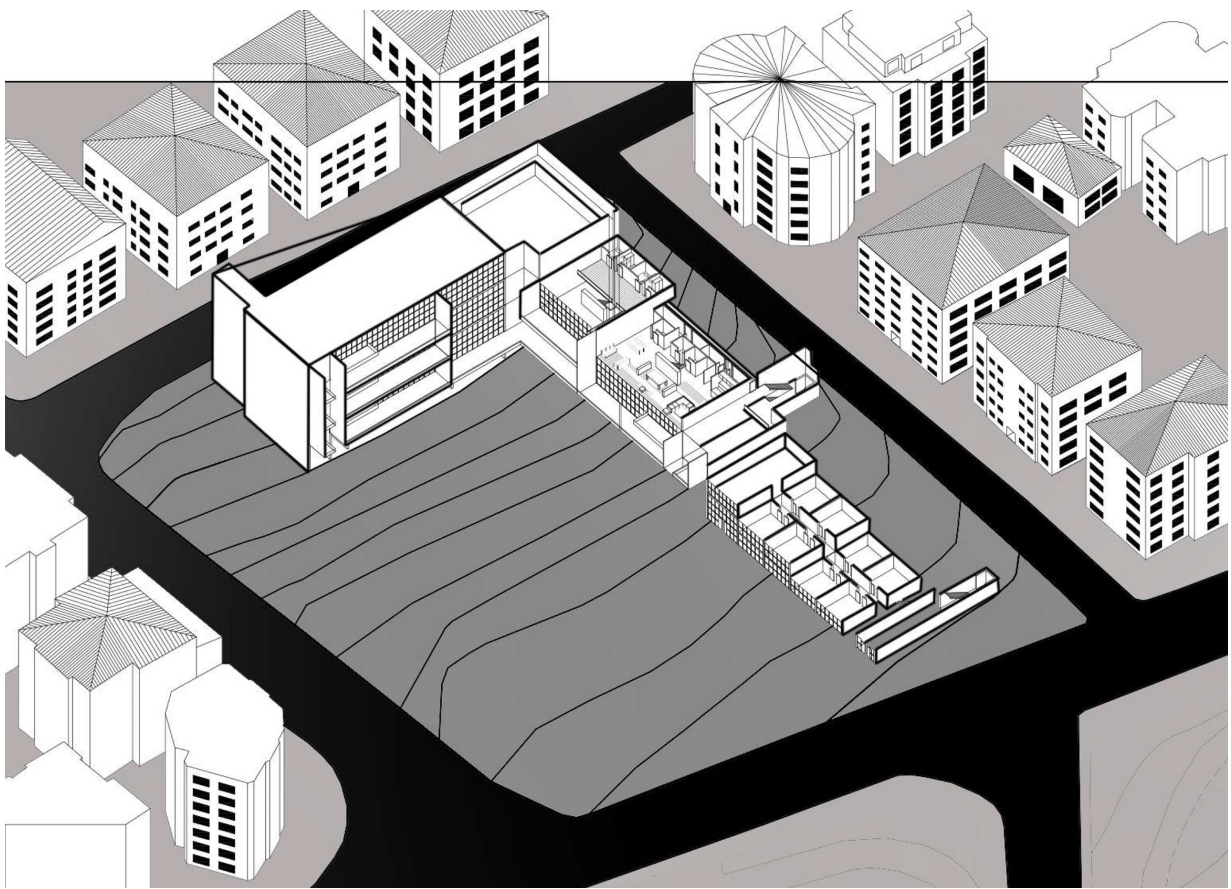












GRADE

Tuğçe Aladı

Cenk Çakırcalı
Ufuk Caner Özyurt

Sude Çamsarı
Betül Durmuşoğlu

Elifsu Güler

İrem İlğar
Lara Küçükgül

Elif Naz Kozakçı
Ayşem Büşra Sirt

Denizhan Öksüzoğlu
Kaan Mert Özgöral