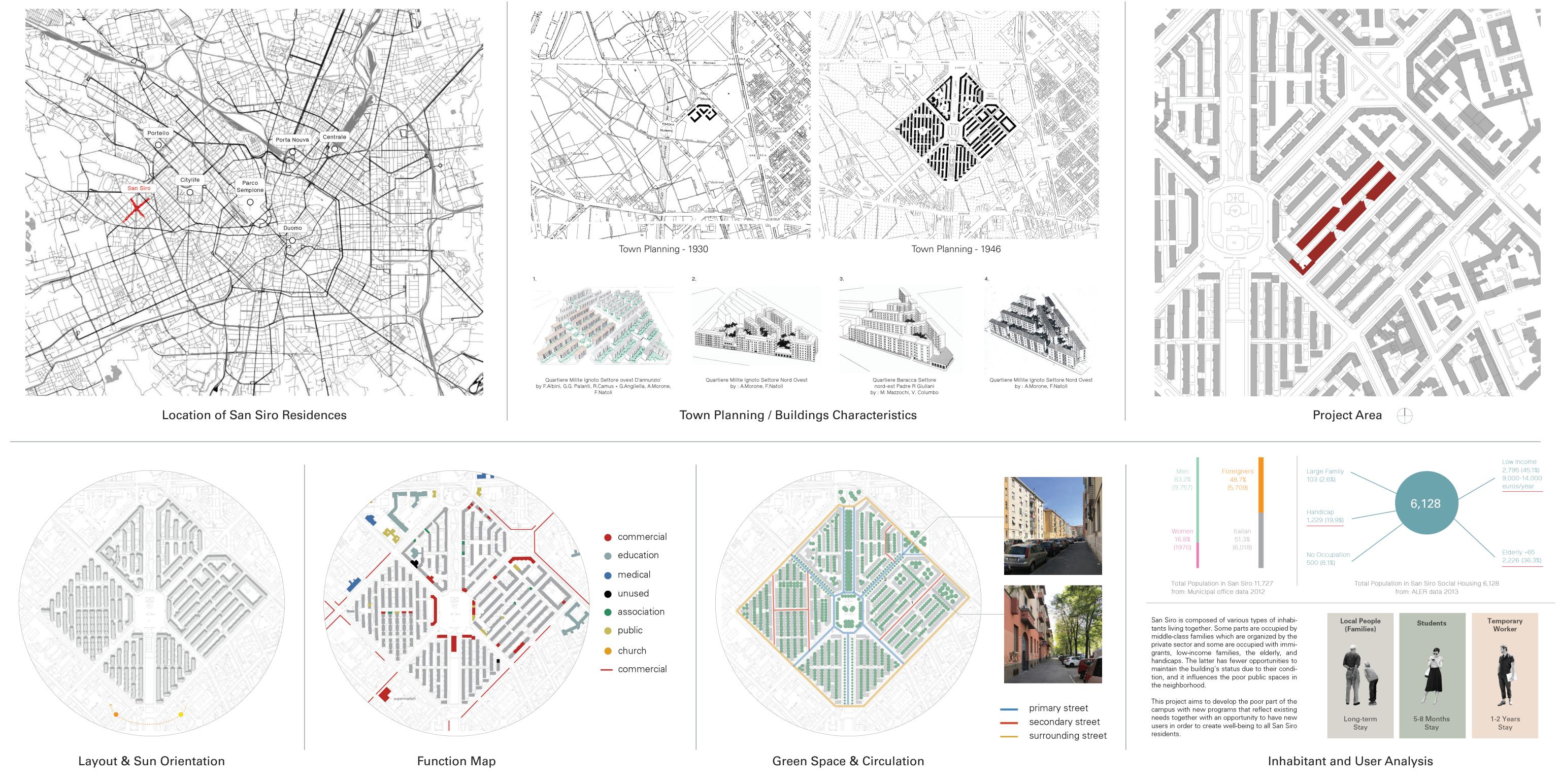
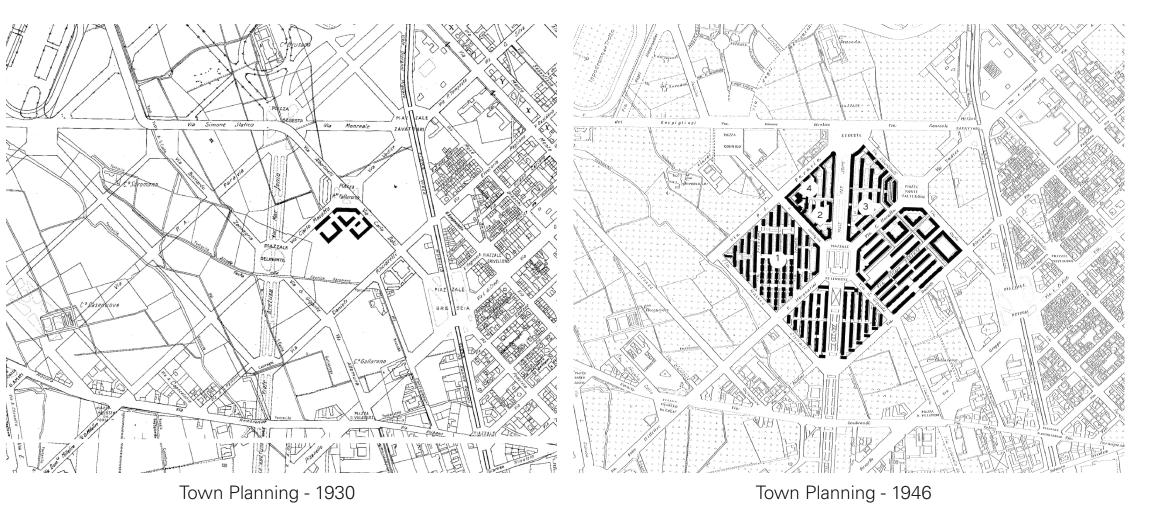


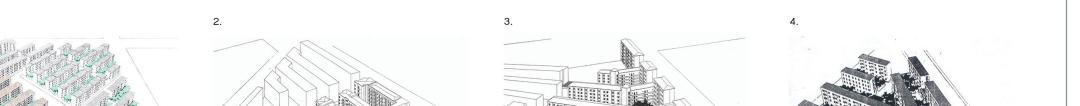
# **ANALYSIS, AREA TOPIC**

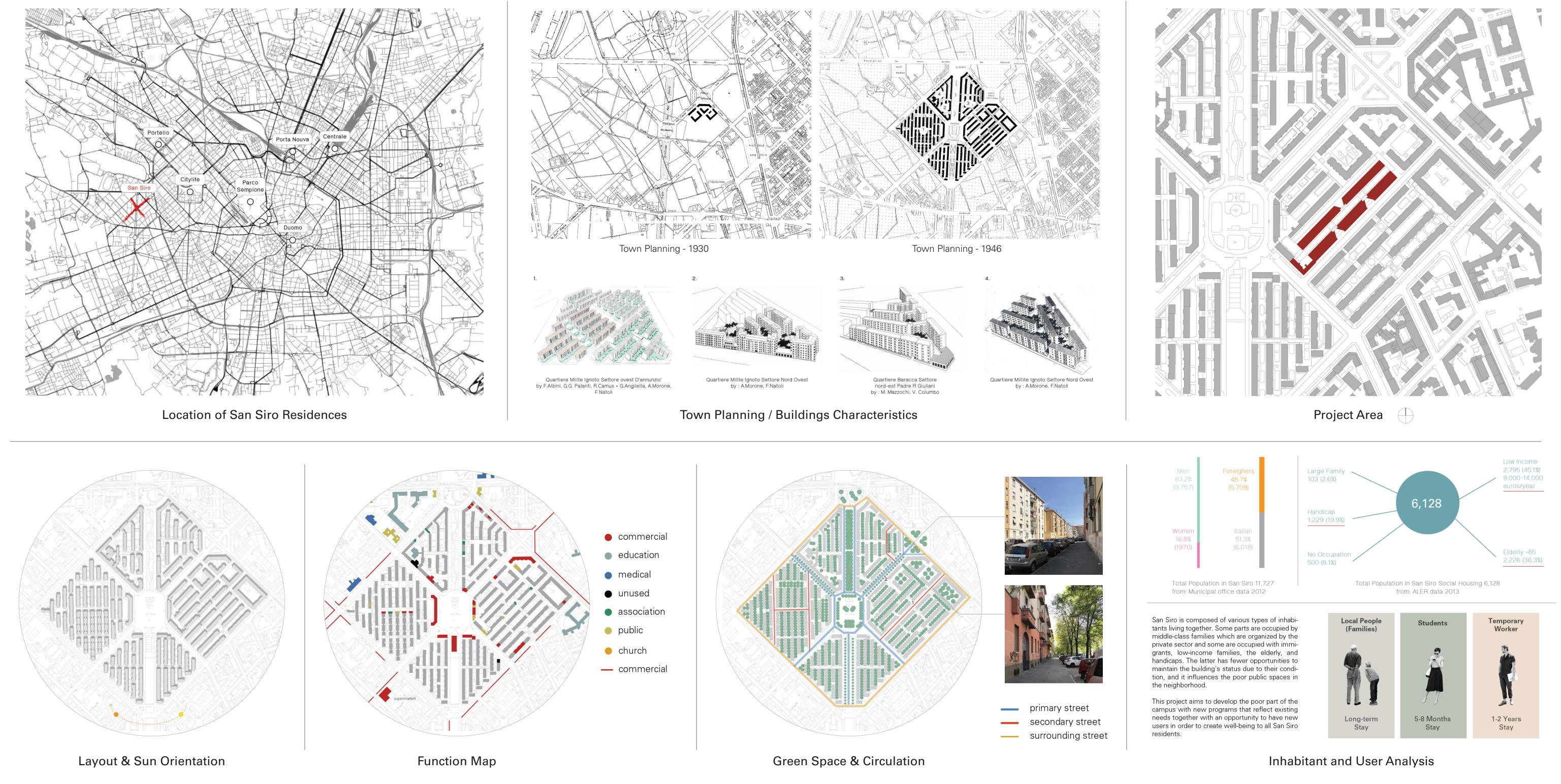










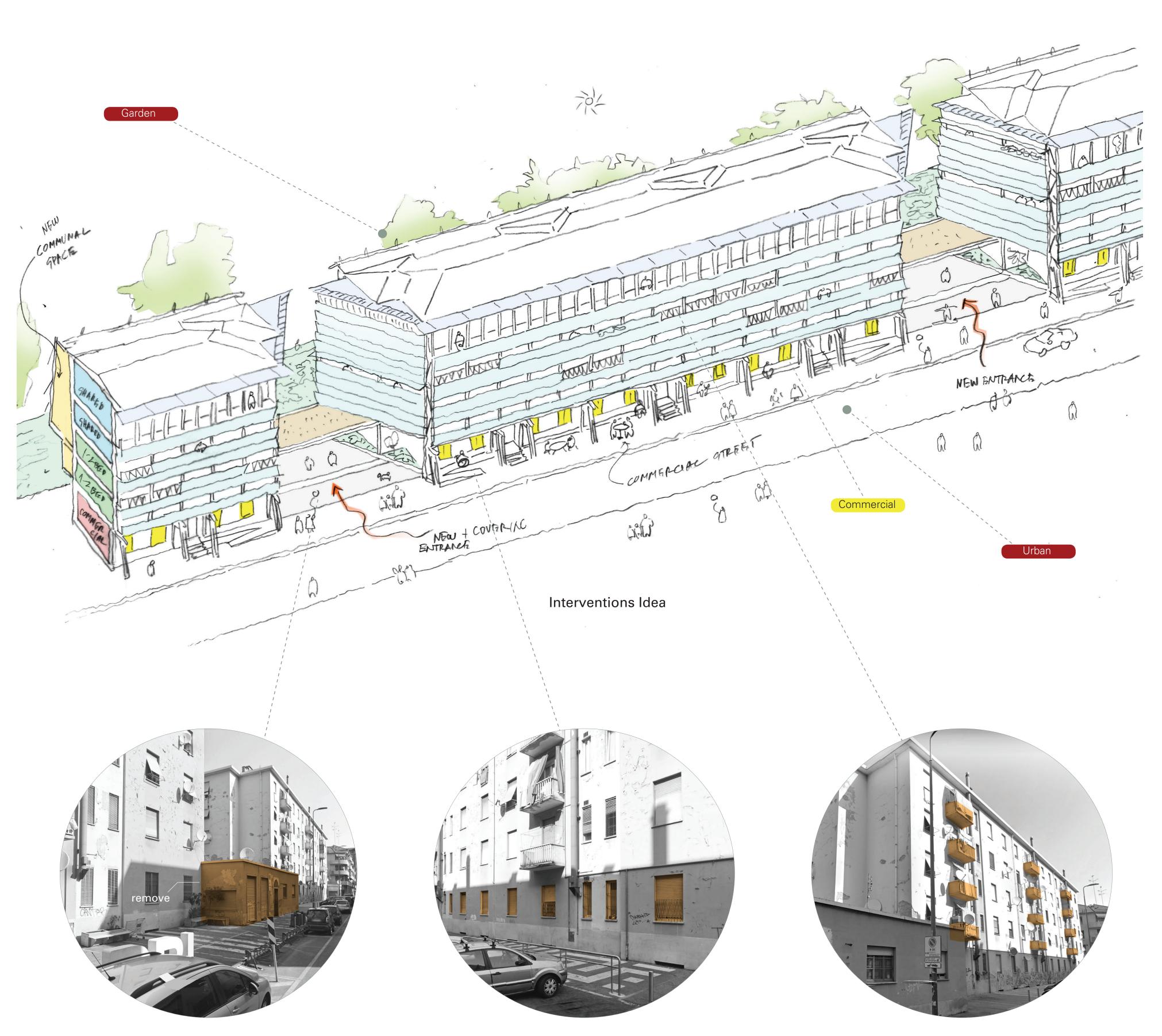






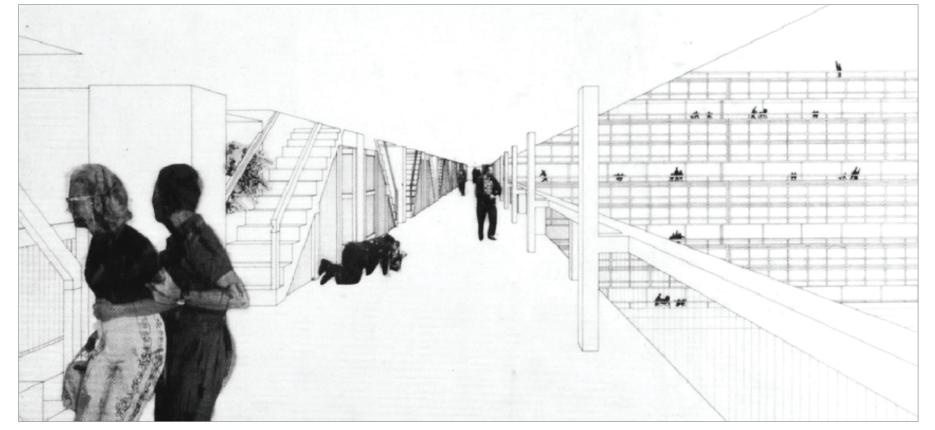
Student : Asrin Sanguanwongwan 936540 Supervisor : Professor Marta Averna

**PROJECT IDEA** 





## THE NEW INTERVENTION, "STREET IN THE SKY"



Elison & Peter Smithson, photo-montage of "street in the sky" of the Golden Lane estate.

The life of the San Siro estate contains a flourishing and complex way of living. Local people's lives integrate with immigrants, middle-class, and low incomers, they inhabit the same street but have entirely different cultures. These conditions reflect on the San Siro neighborhood, when one arrives in the estate, one can see several huge housings, repeated all over the area creating urban fences to the inhabitance. Nevertheless, honest and beautiful things always happen behind those fences in a magnificent courtyard, different religious statues stand next to mixed-culture objects, local people are sitting and taking care of their garden, the young and the old are sharing their thought while the mother is feeding her newborn baby. These charming scenes can be perceived only through the small gap in between the buildings in reason of the closeness of the architecture. The high level of ground floors are completely disconnected from the street, the entrances are unwelcoming and degenerated, the inadequate of commercial and public spaces, San Siro inhabitants are lacking places to share their lives.

The project aims to dissolve the existing obstruction and generate connectivity to the neighborhood on an urban, architectural, and interior scale. By taking Elison & Peter Smithson's "street in the sky" as a reference for communal space in social housing, the project has developed 3 types of streets adjusted to each condition of buildings. They are constructed by steel structure with the light translucent skin and attach to the

Existing Residence Entrance

problem : the entrance building obstructs inner garden visibility and create discontinuity of urban space

solution : replace with large and light entrance, it creates front piazza, allow more visibilities in all directions.

Existing Ground Floor Facade

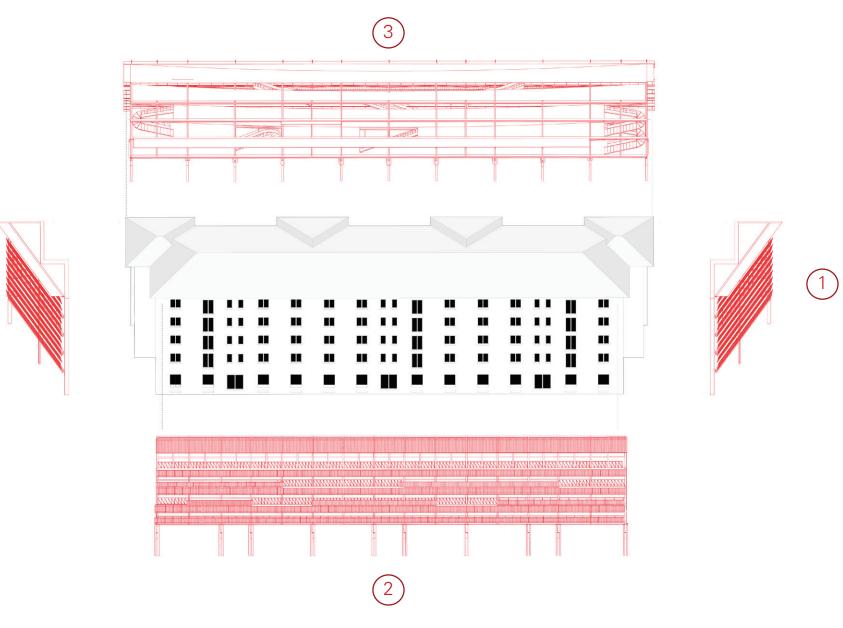
- problem : no accessibility from the street. the residences disconnect to the city
- solution : enlarge all openings to the limit, create additional stairs and ramp for all accessibilities. Insert commercial and public function to activate urban life

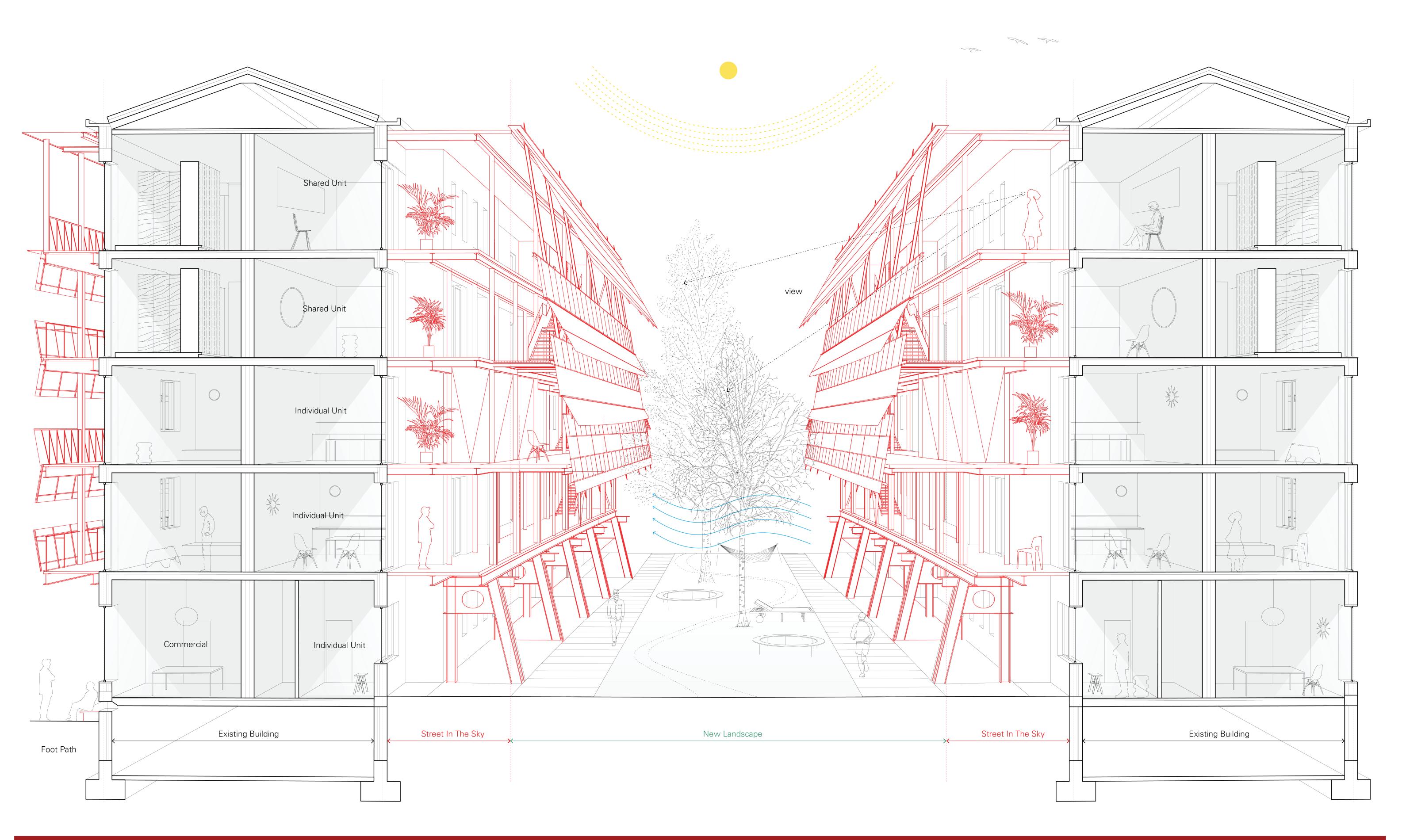
existing facade with the least modification of the previous opening.

The first is the "entrance streets" they provide a larger and more welcoming entrance thanks to the facade angle that embrace the continuity from the street, canopy and gentle slope circulation are equipped to have more functional accessibilities. The upper facade is an angled canopy for the inhabitants that could be used for observing the passerby or for leisure purposes.

The second is the "urban streets", on the ground floor, the new portico is created by an animal-like steel structure, it generates characteristics to the street while giving shade for the people. The upper levels are 1.50 meters width full-length balconies, they support the inhabitant's activities in urban life such as plantings, eating, drinking, and socializing.

The third is the "garden streets", by exploiting the existing beautiful garden, the new streets provide semi-outdoor communal space looking to the greenery. They contain new circulation and stairs in the brighter space, this solution maximizes the apartment space by substituting the previous stair space. The skins are made from transparent corrugated polycarbonate panels, they allow maximum natural light for the space while maintaining some privacy from the outside. These panels are openable and could be adjusted to the temperature and season. During winter, they work like glass houses, containing the sun heat with close skin, and during summer, they work like a garden, the opening facade allows ventilation and the breeze from the city.





Existing Urban Facade

problem : Lack of balcony and space to face urban side of

solution : add extra balconies to every floor, generate new fa-

cade with light and large outdoor space.

the residence.

Perspective Section / Scale 1:50

#### **MASTER DEGREE THESIS**

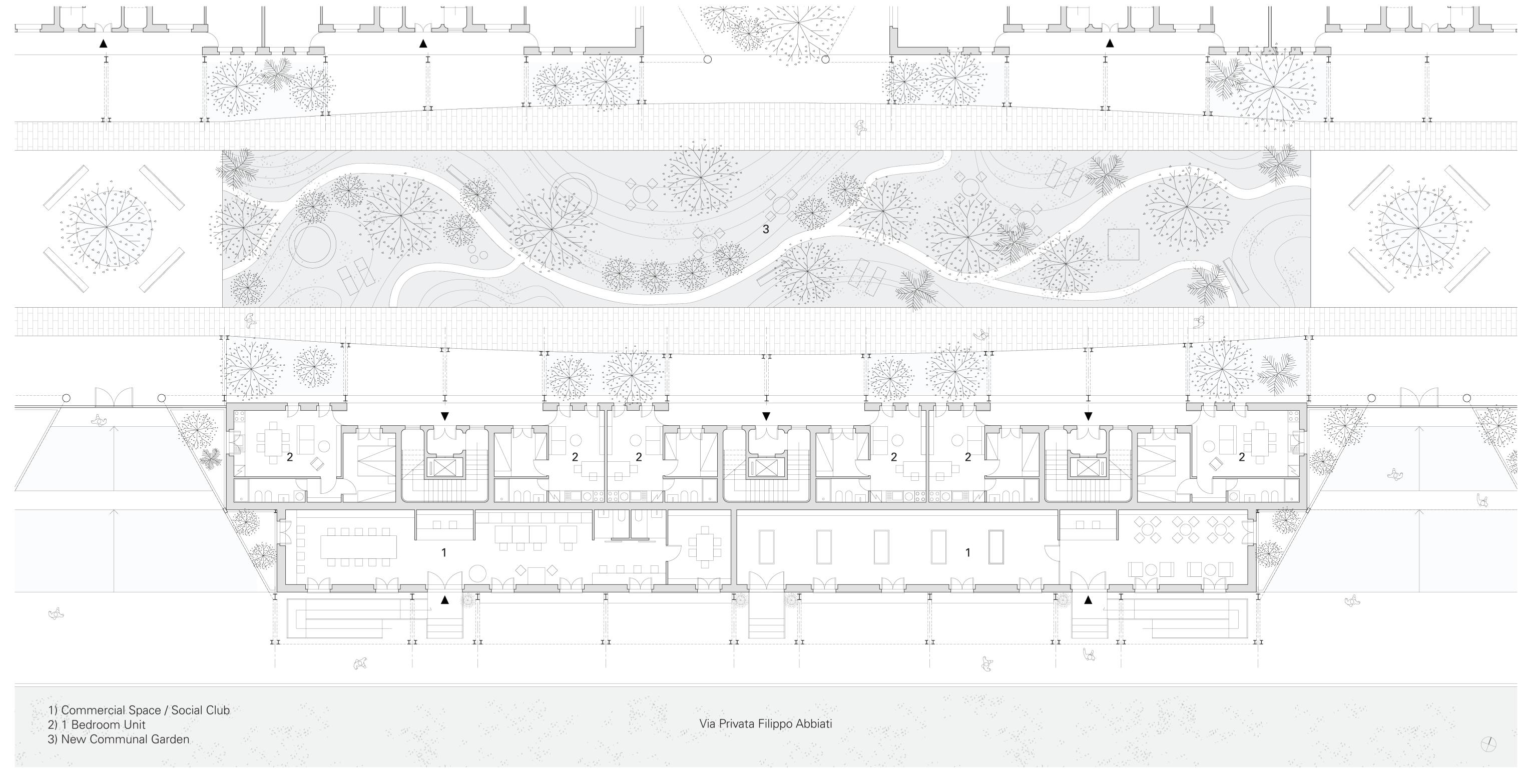
Student : Asrin Sanguanwongwan 936540 Supervisor : Professor Marta Averna

**URBAN FACADE** 

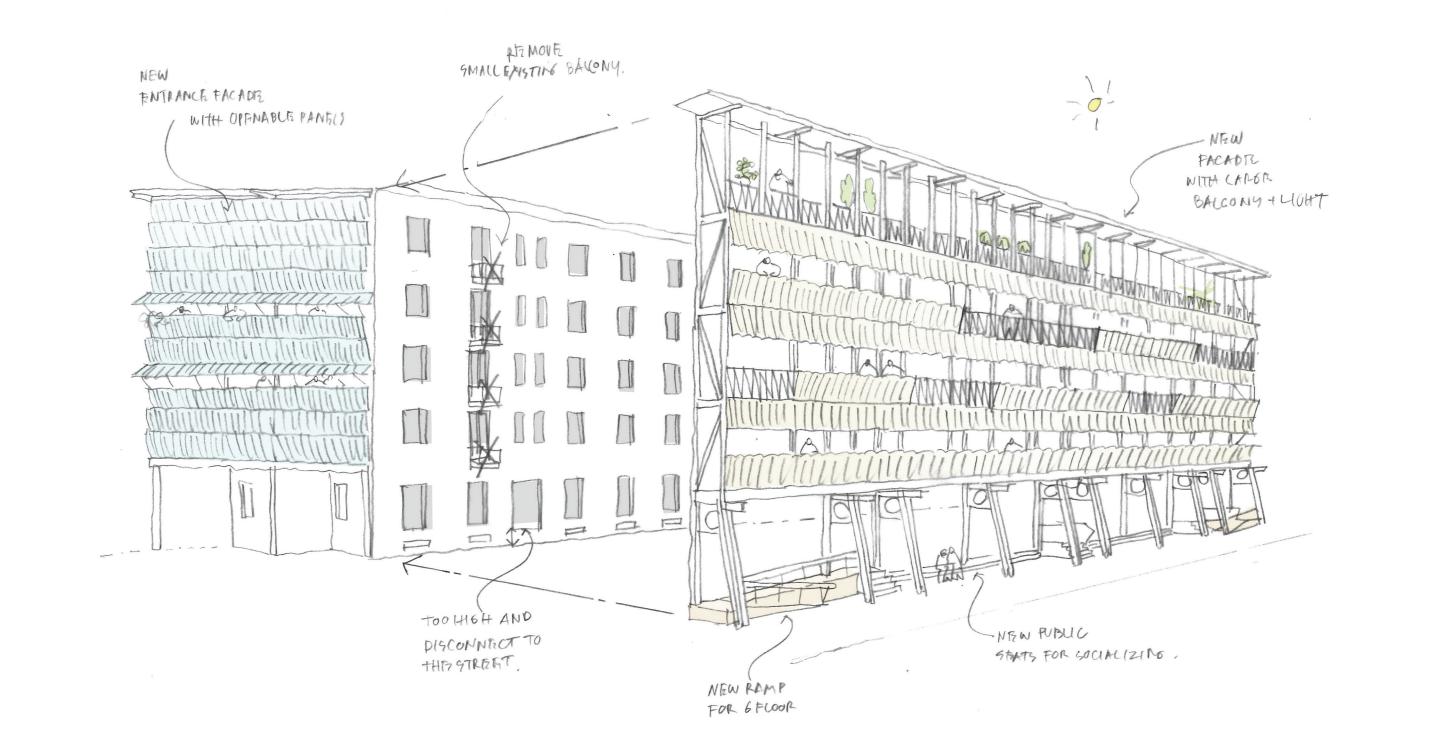


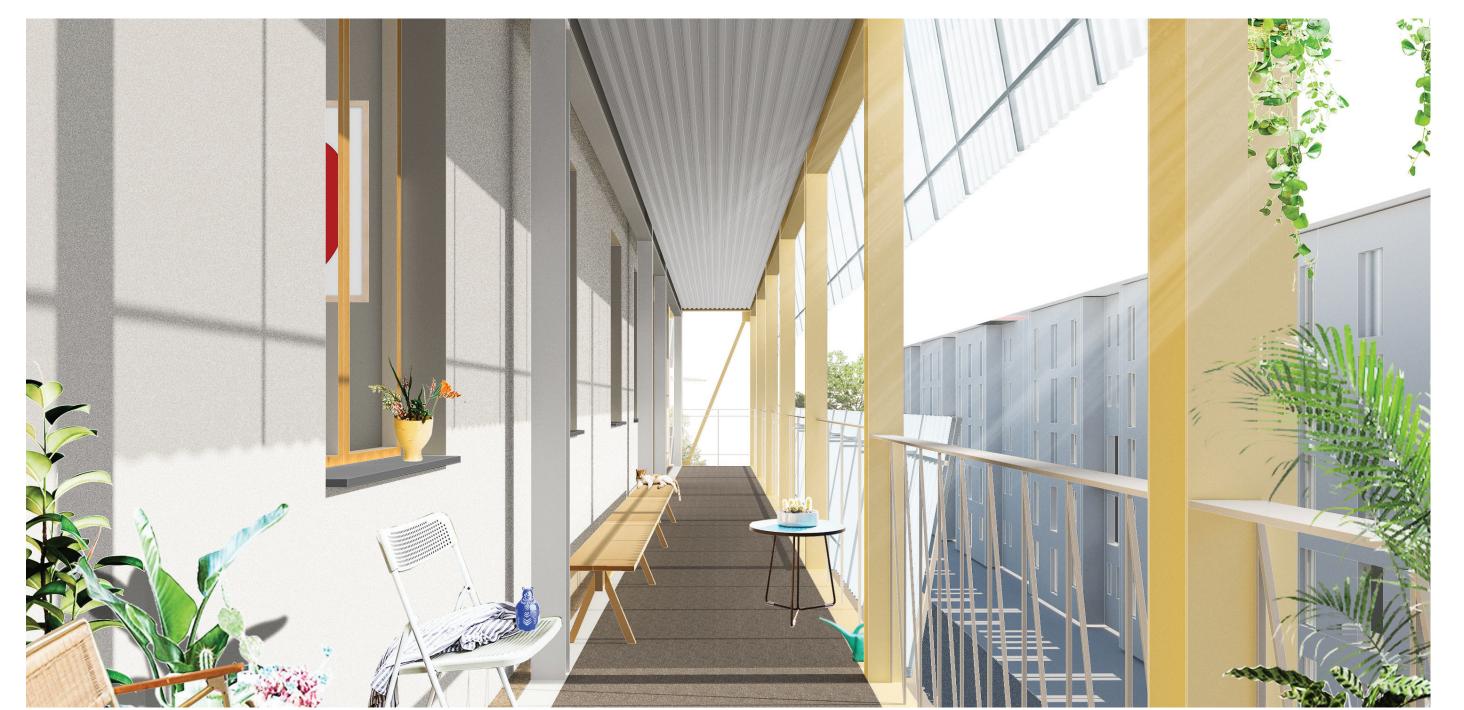






Ground Floor Plan Scale 1:100





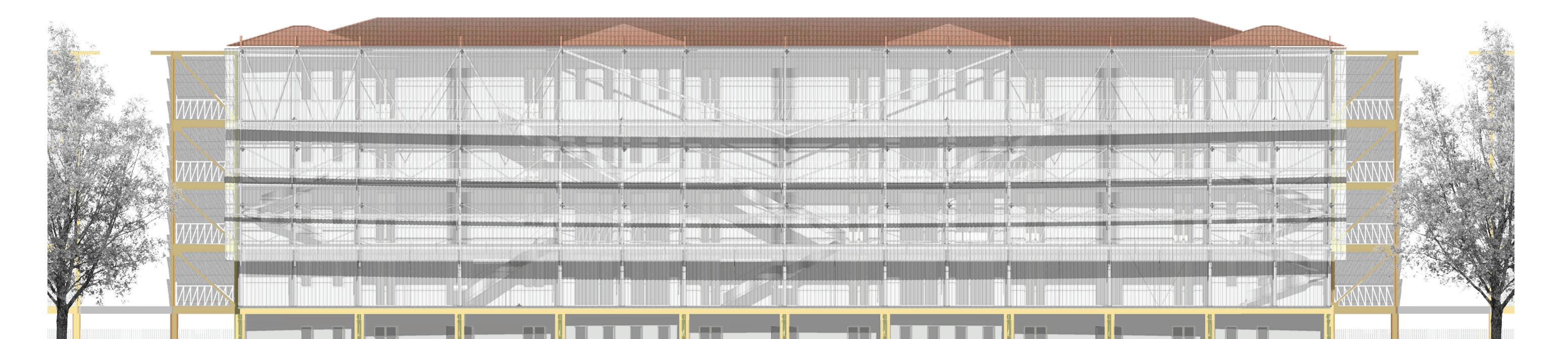
#### Urban Facade Idea

#### New Urban Balconies

**MASTER DEGREETHESIS** Student : Asrin Sanguanwongwan 936540 Supervisor : Professor Marta Averna

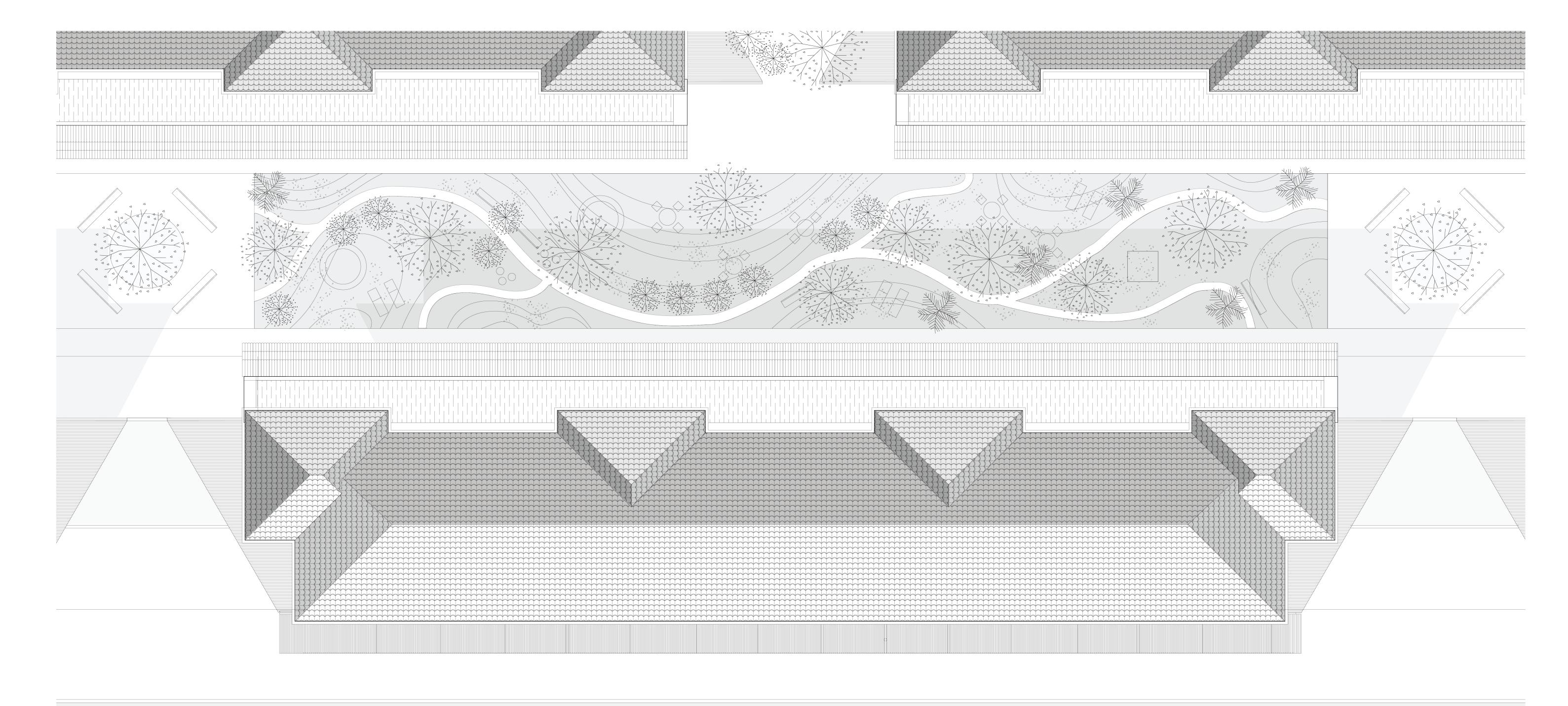
# **GARDEN FACADE**

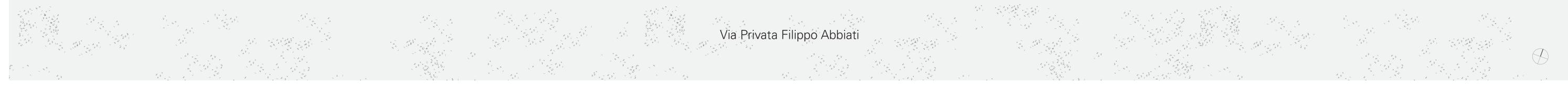






North Elevation Scale 1:100





Roof Plan Scale 1:100







#### Garden Facade Idea

#### Street In the Sky (2nd Floor)

**MASTER DEGREE THESIS** 

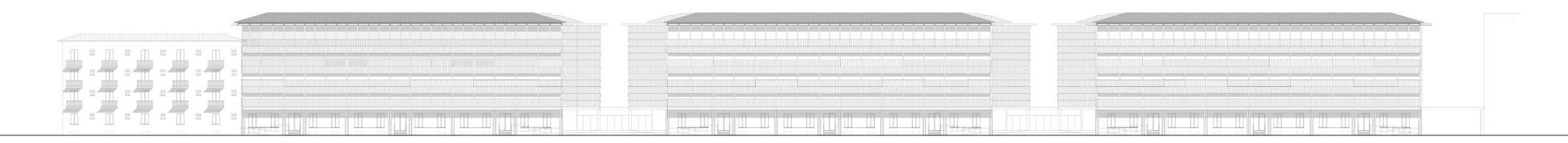
Student : Asrin Sanguanwongwan 936540 Supervisor : Professor Marta Averna

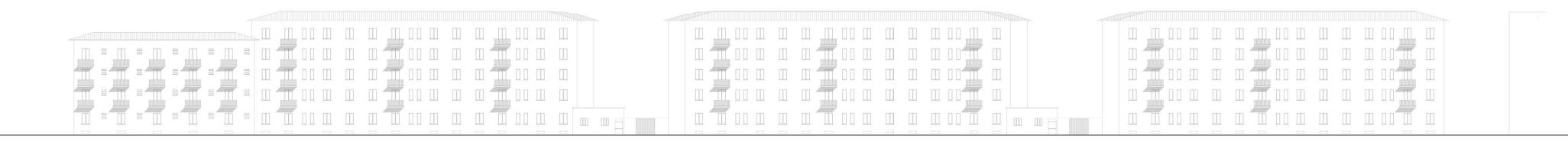
# **STREET IN THE SKY DETAIL**





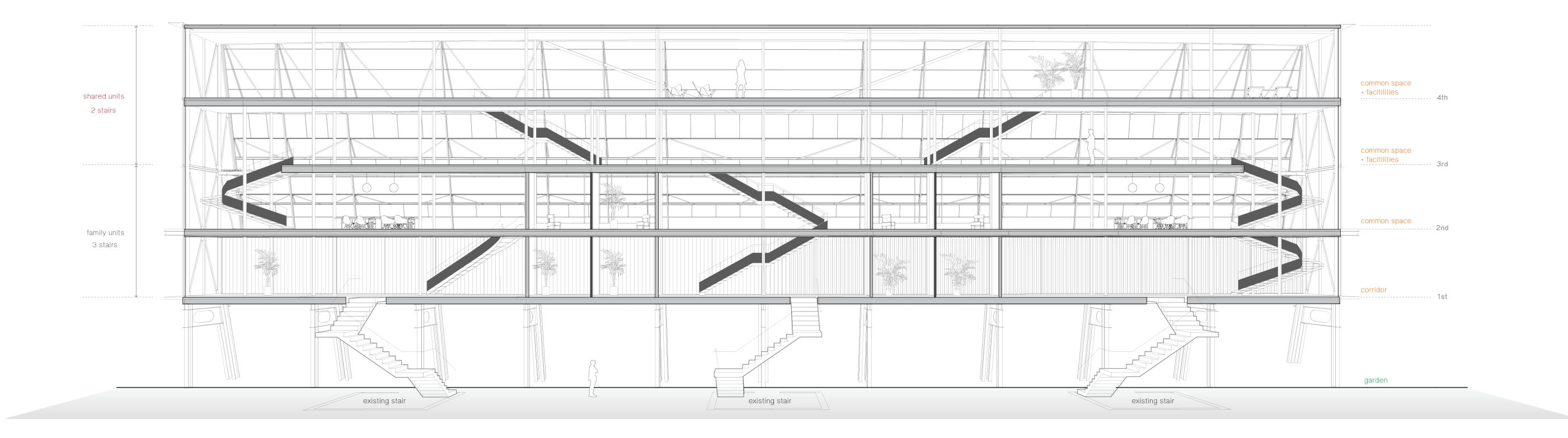






Urban Facade (New & Existing) Scale 1:500





Street In The Sky - Circulation Diagram Scale 1:100







#### New Entrance

#### West & East Elevation / Scale 1:100

**MASTER DEGREE THESIS** 

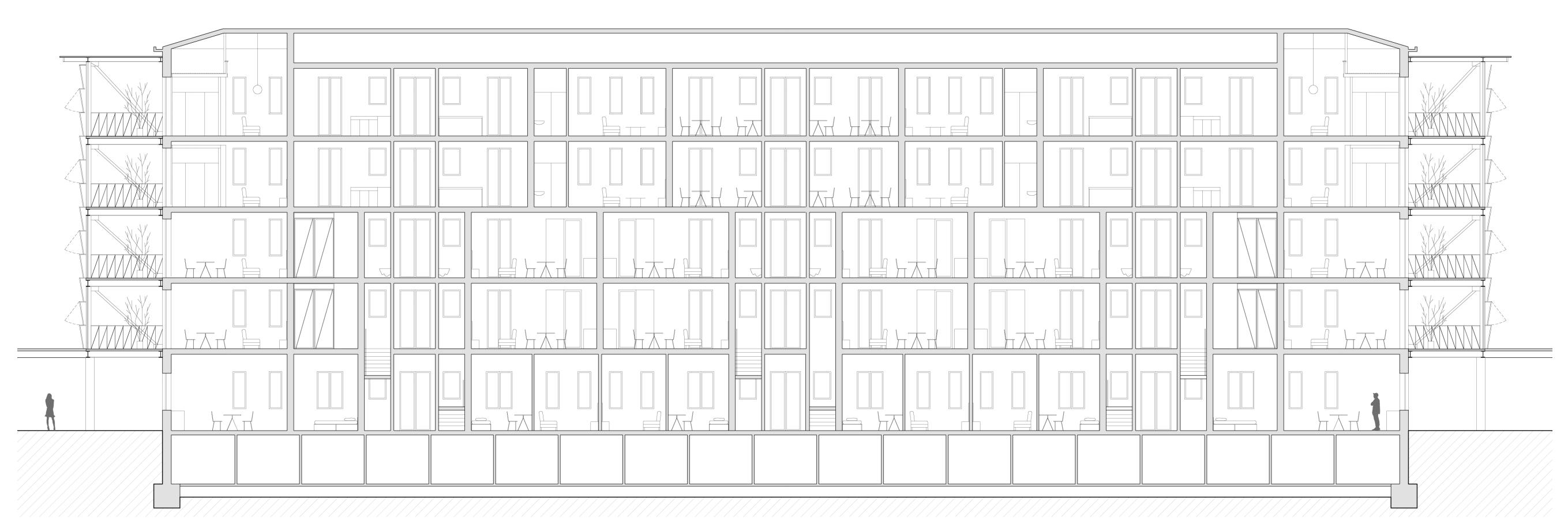
Student : Asrin Sanguanwongwan 936540 Supervisor : Professor Marta Averna

**Reconstruction of San Siro Residences** 

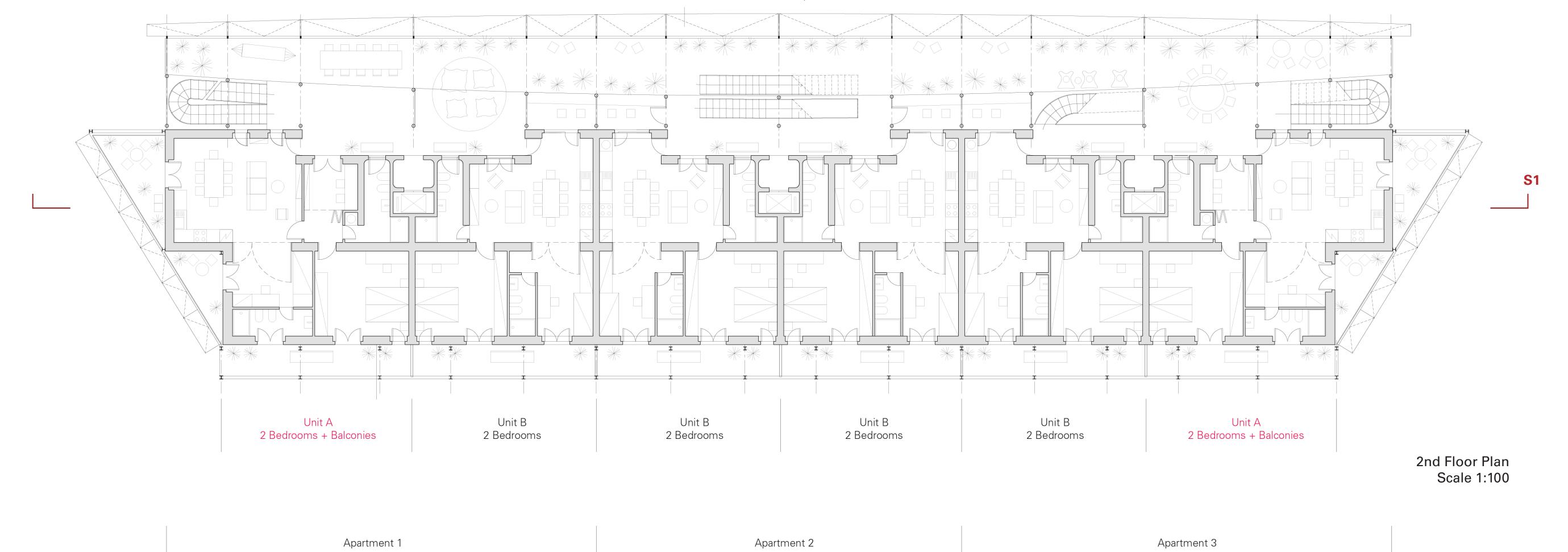
**STREET IN THE SKY** 

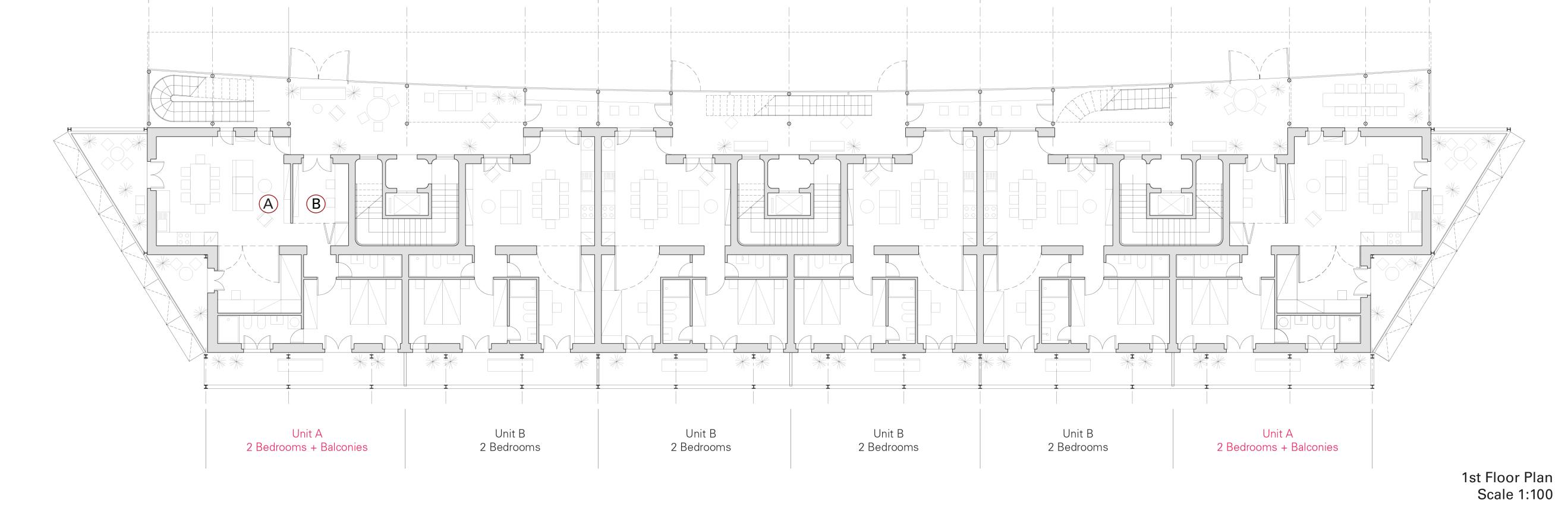
FAMILY UNITS PLANS





#### Communal Space







### Living / Dining Area

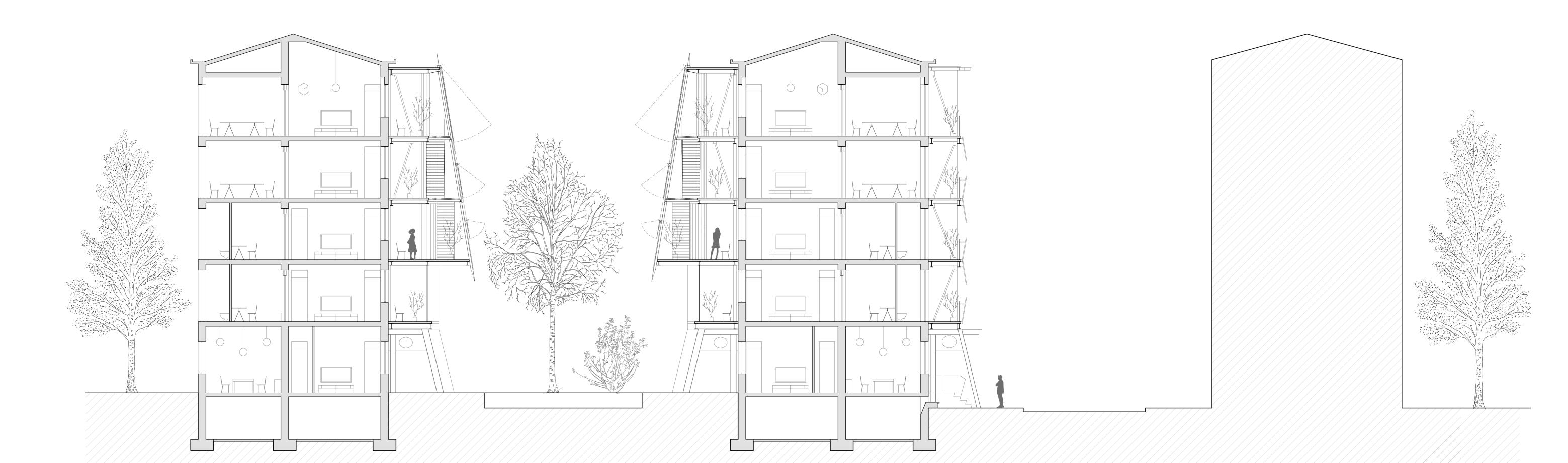
Home Office

# **MASTER DEGREE THESIS**

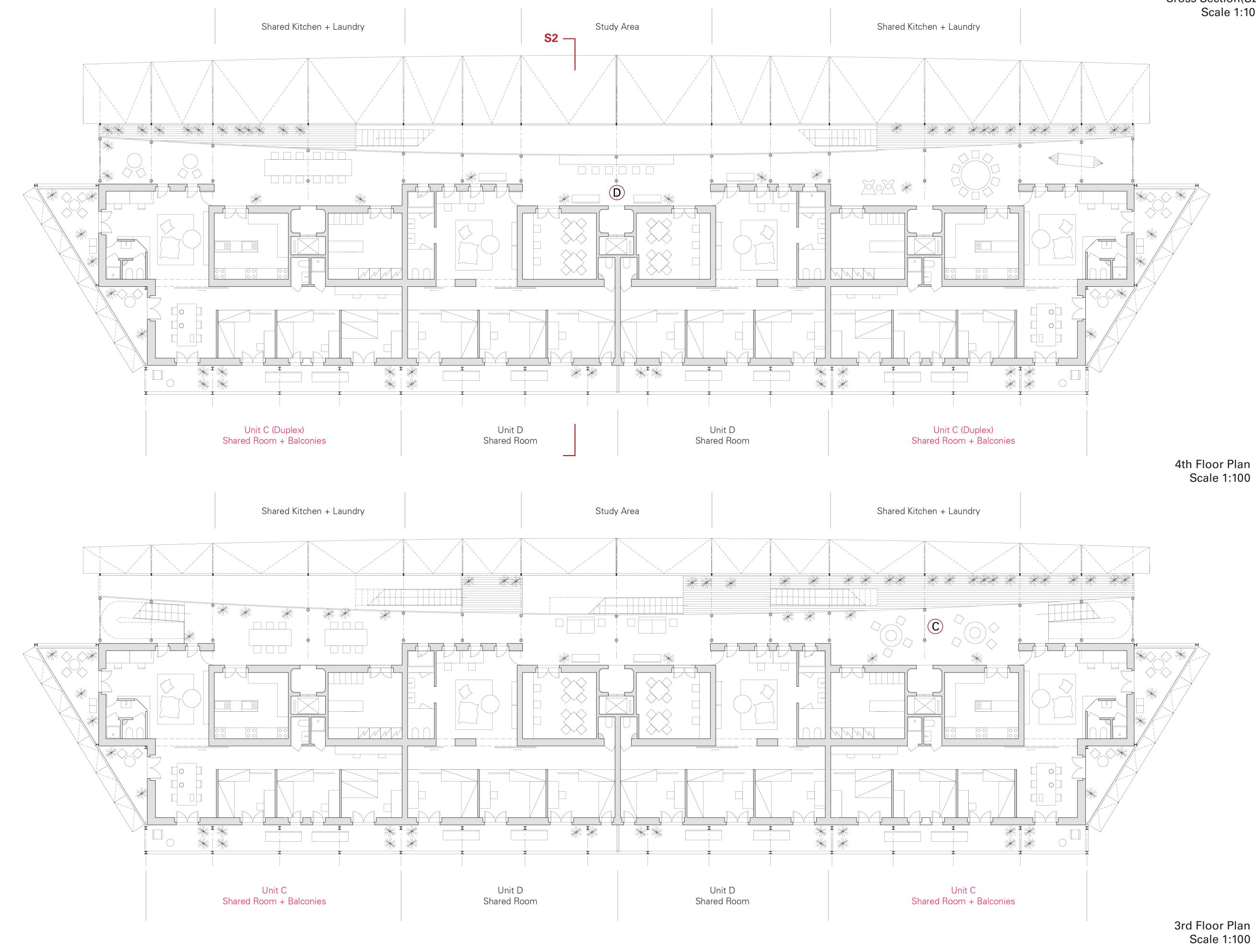
Student : Asrin Sanguanwongwan 936540 Supervisor : Professor Marta Averna

# SHARED UNIT PLANS





#### Cross Section(S2) Scale 1:100







# 3rd Floor Street in the Sky

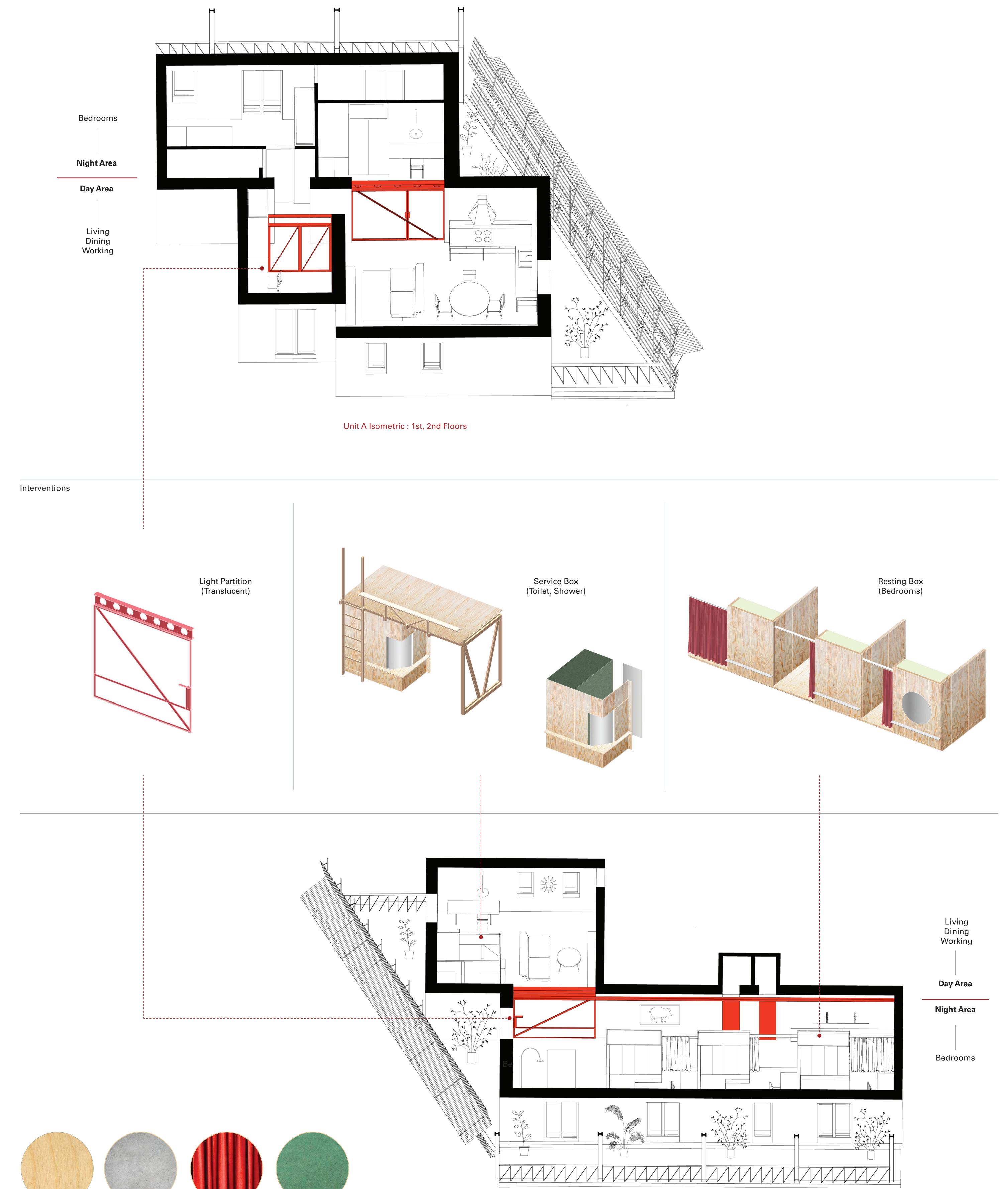
### 4th Floor Street in the Sky

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Student : Asrin Sanguanwongwan 936540 Supervisor : Professor Marta Averna

**INTERIOR IDEA** 







Unit C Isometric : 3rd, 4th Floors

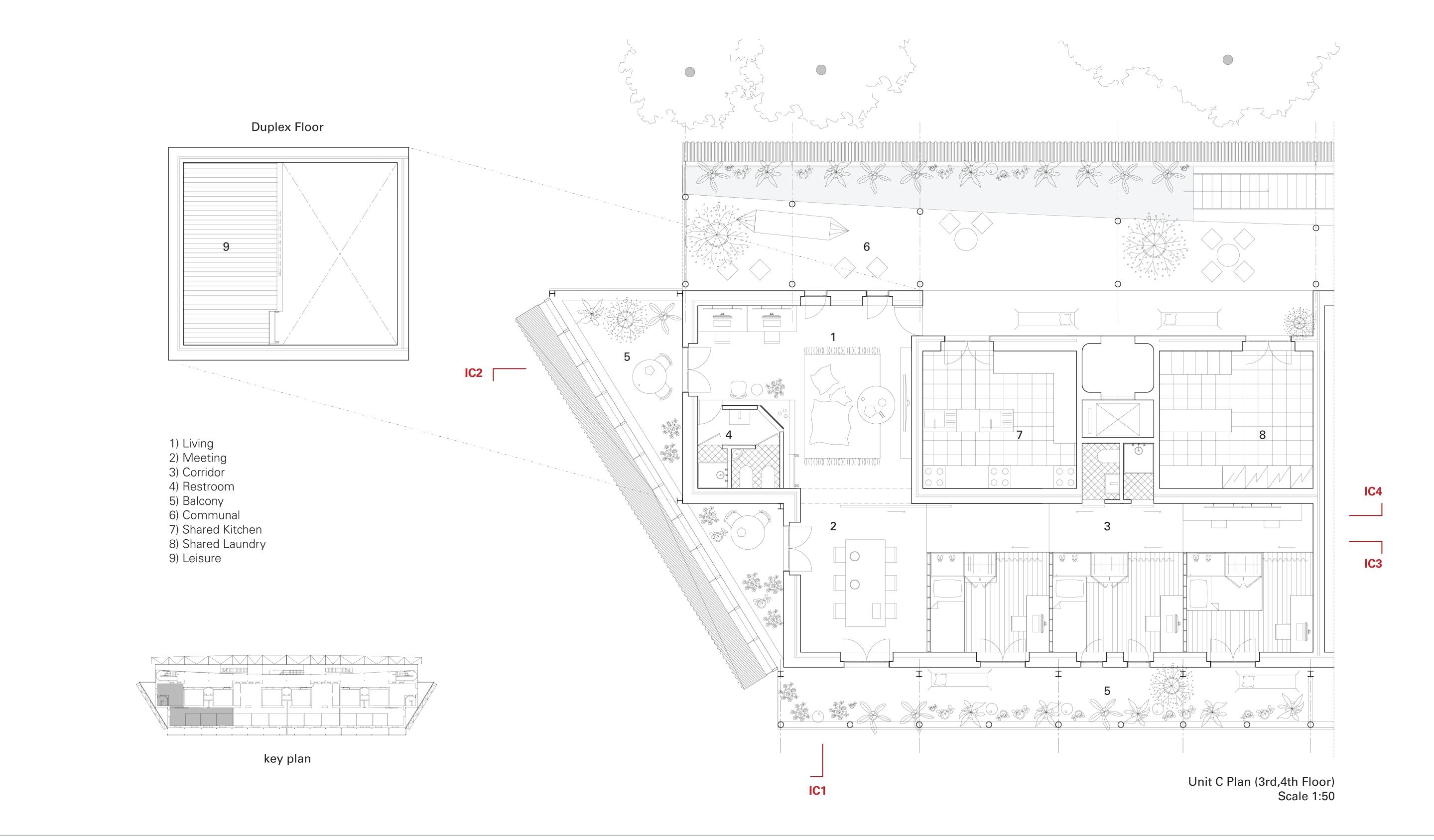
# **MASTER DEGREE THESIS**

Student : Asrin Sanguanwongwan 936540 Supervisor : Professor Marta Averna

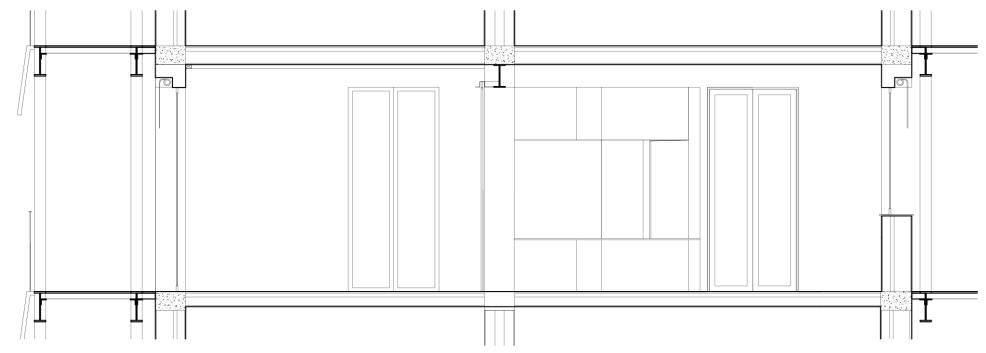
**DETAIL OF UNIT C / DAY AREA** 

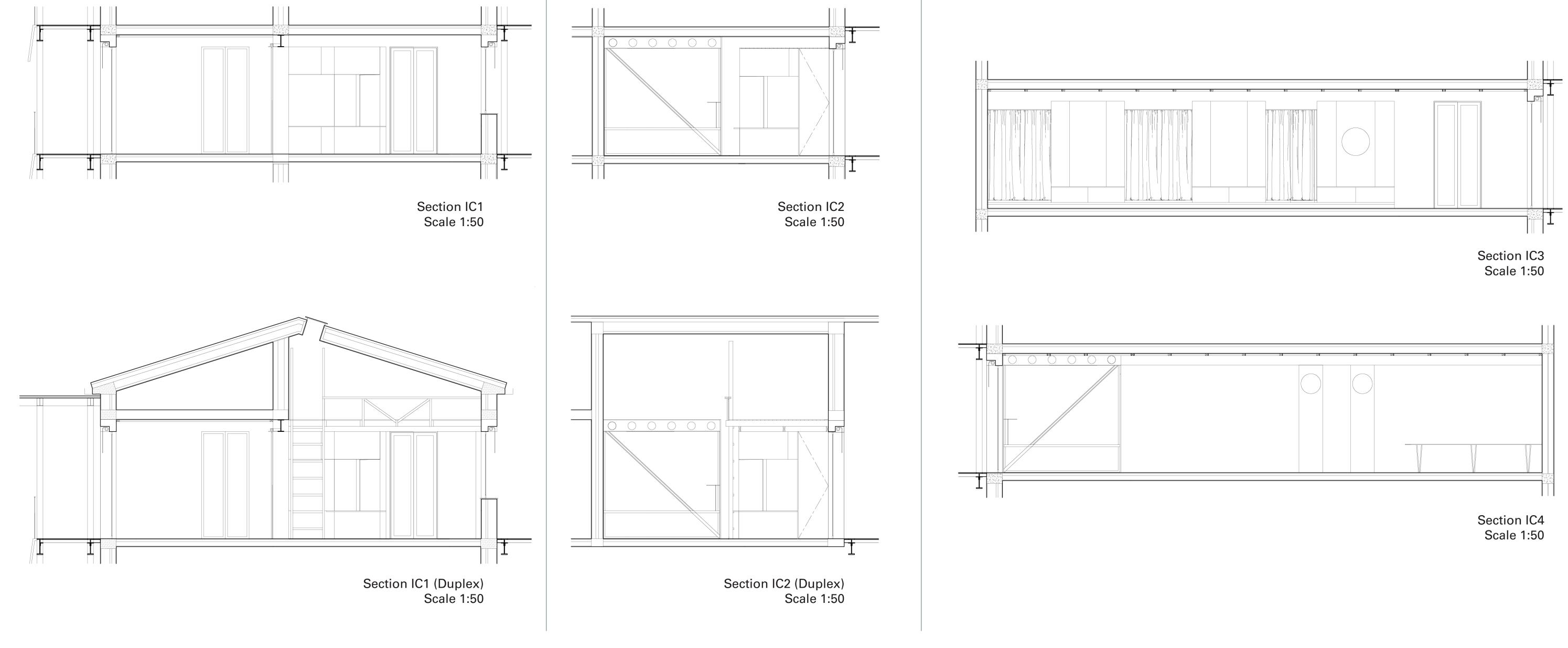


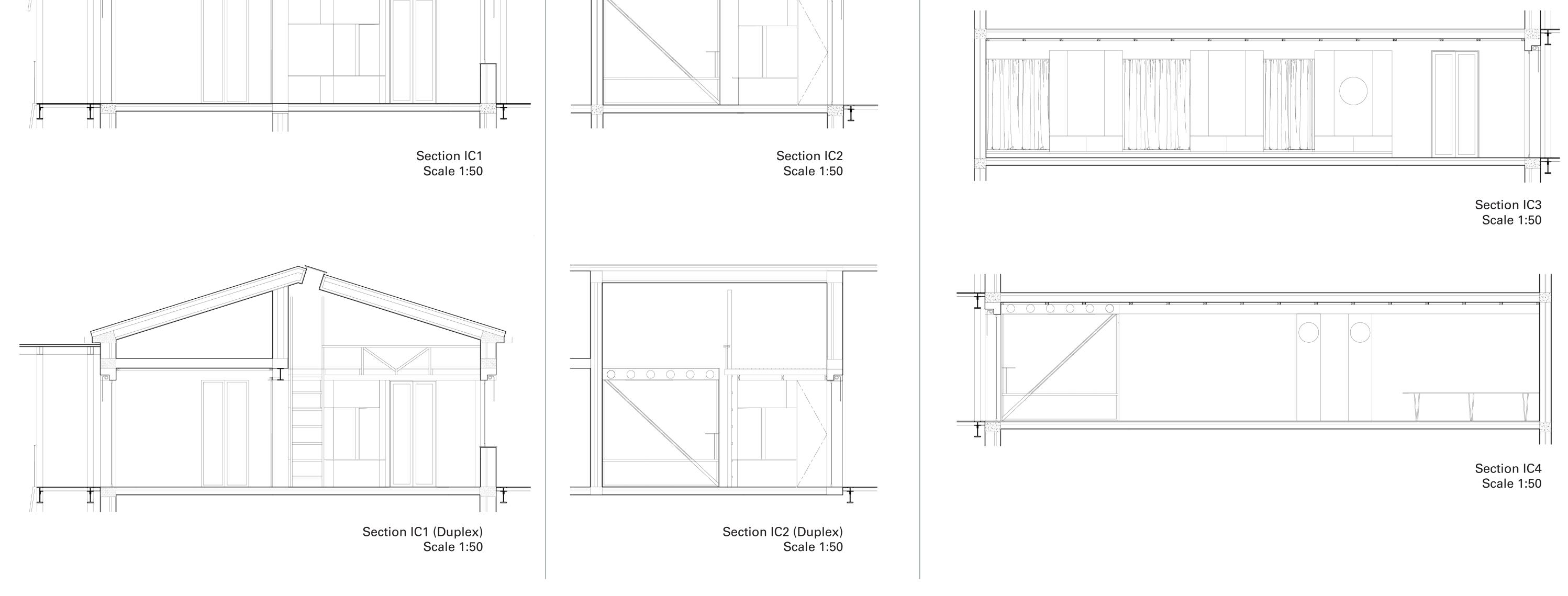
Night Area

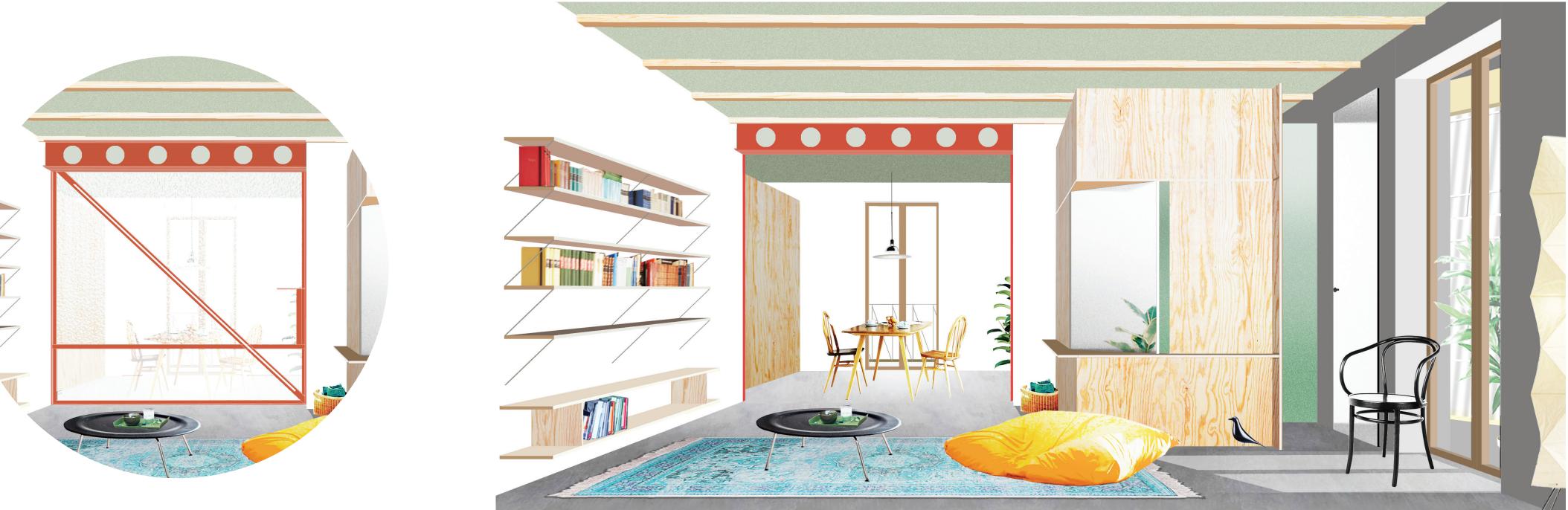


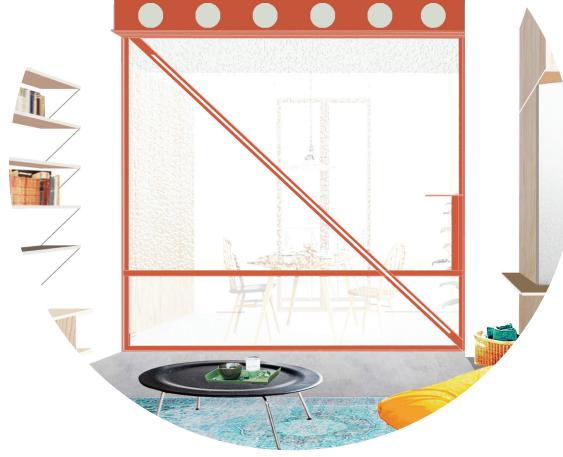












### Living Area (Closed Partition)

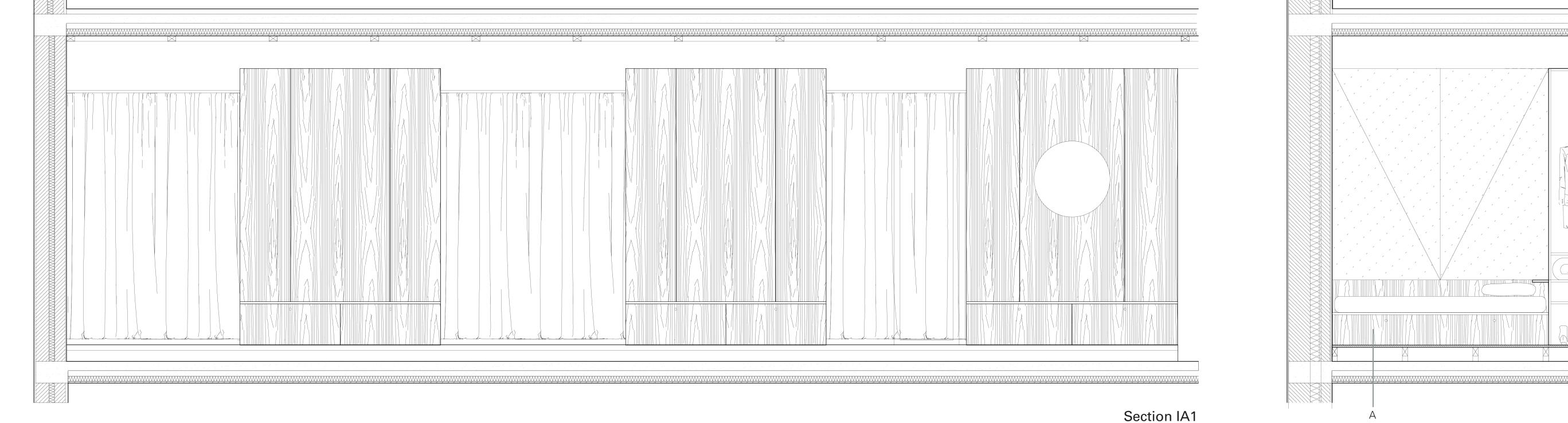
### Living Area (Opened Partition)

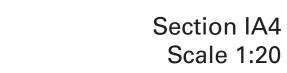
## **MASTER DEGREE THESIS**

Student : Asrin Sanguanwongwan 936540 Supervisor : Professor Marta Averna



## **DETAIL OF UNIT C / NIGHT AREA**



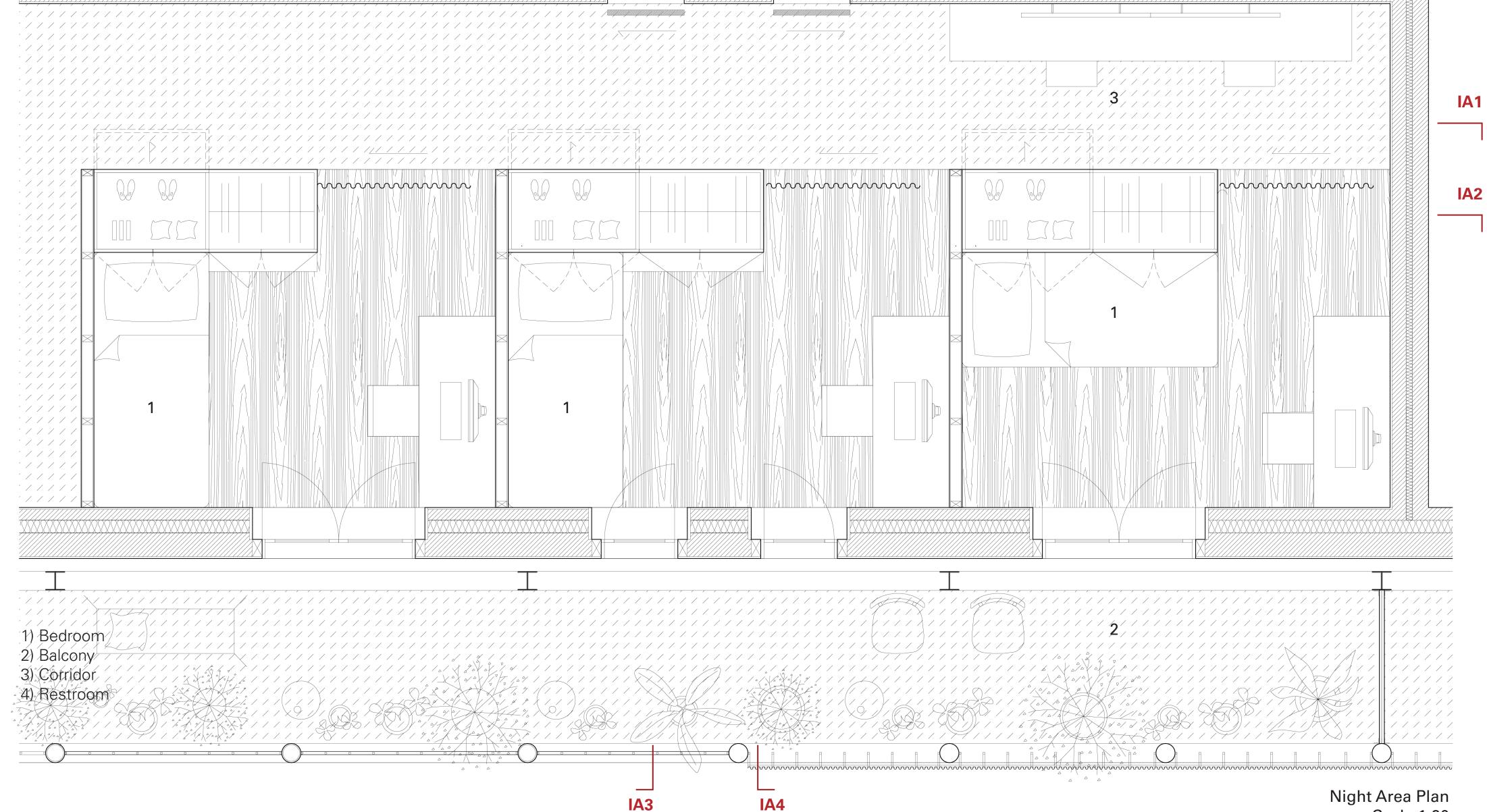




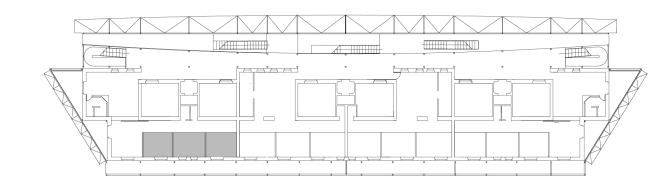
Scale 1:20



10



4



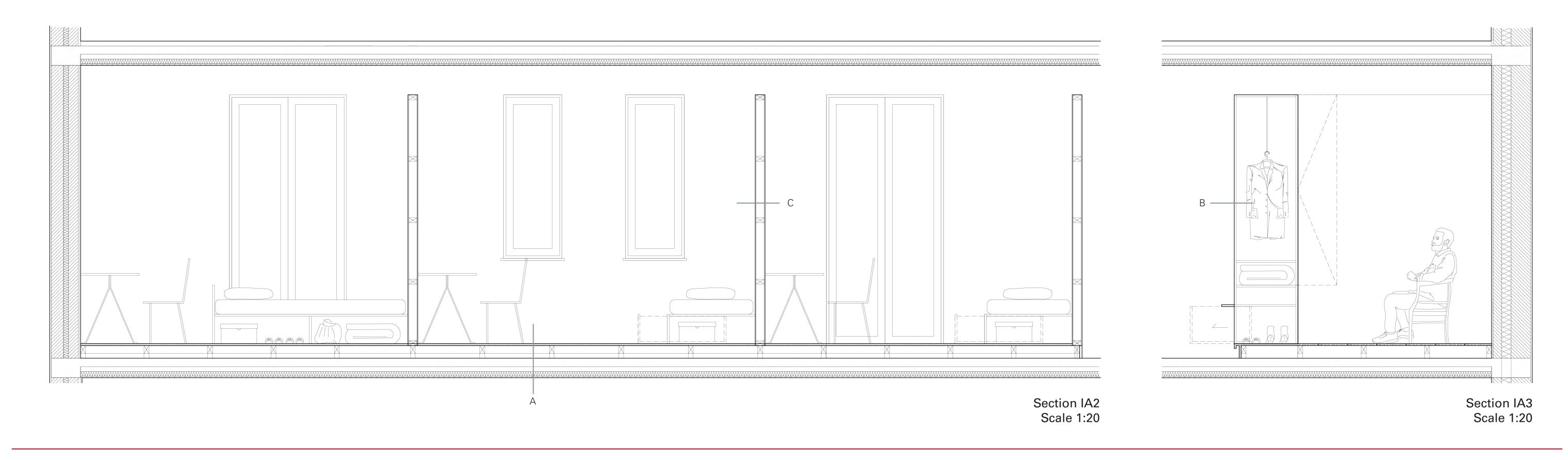
key plan

Floor Detail (A) - 25 mm. Birch Plywood Plank - 25 x 75 Wood Beam - 50 mm. Concrete Finishing

Cabinet Detail (B) - 20 mm. MDF / Lacquer, Painted in Green

Partition Detail (C) - 15 mm. Plywood Panel, Coated with Matt Urythane - 50x100 Wood Structures

Scale 1:20





#### From up to down : Elevation of Night Area 1 , Elevation of Night Area 2

Sleeping Unit

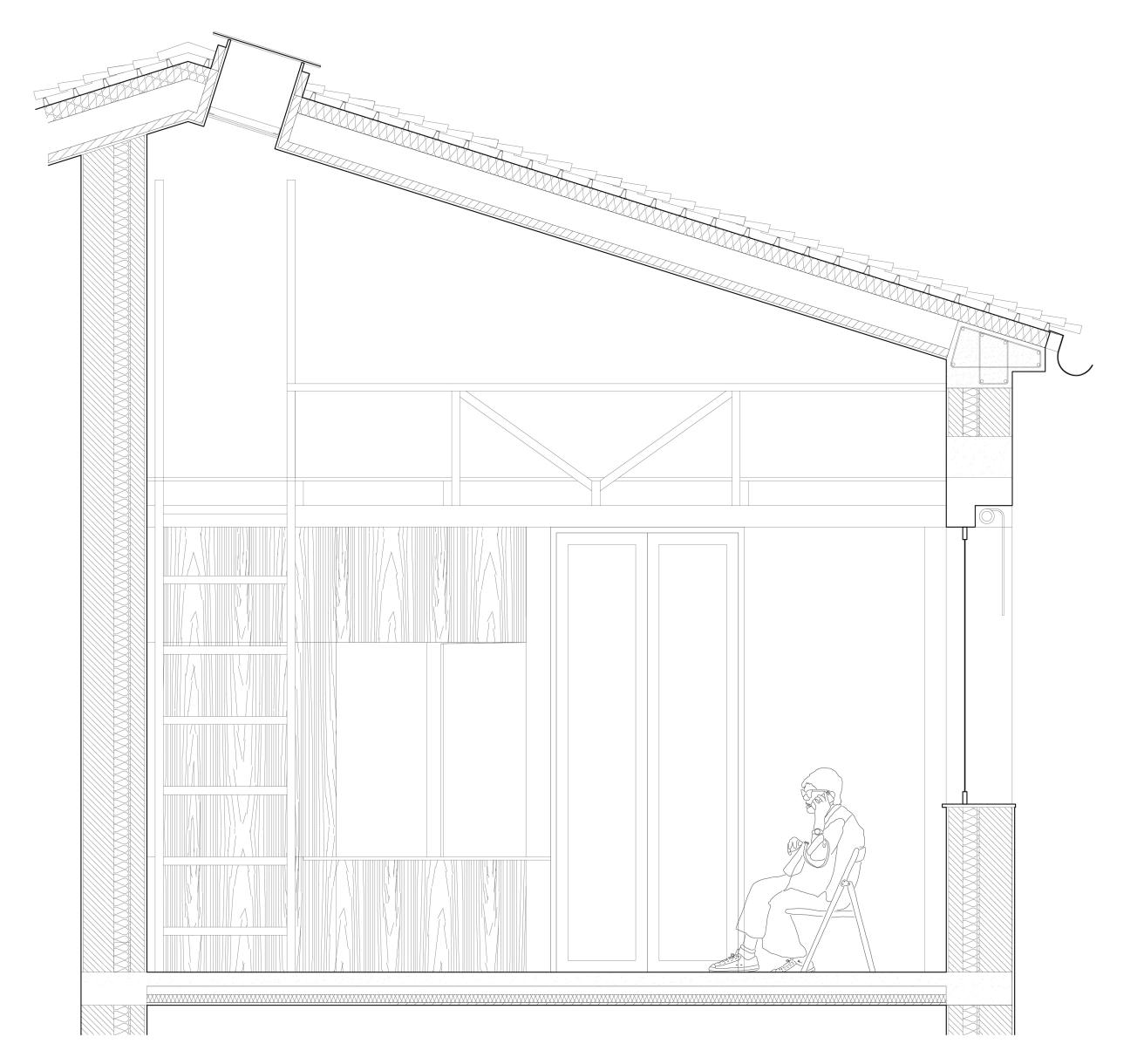
#### **MASTER DEGREE THESIS**

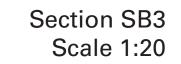
Student : Asrin Sanguanwongwan 936540 Supervisor : Professor Marta Averna

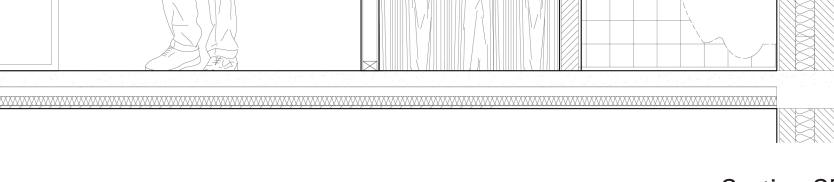
# **DETAIL OF UNIT C (DUPLEX)**



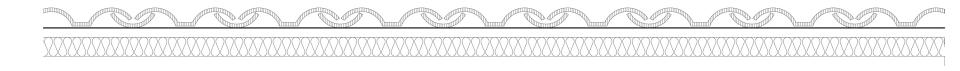


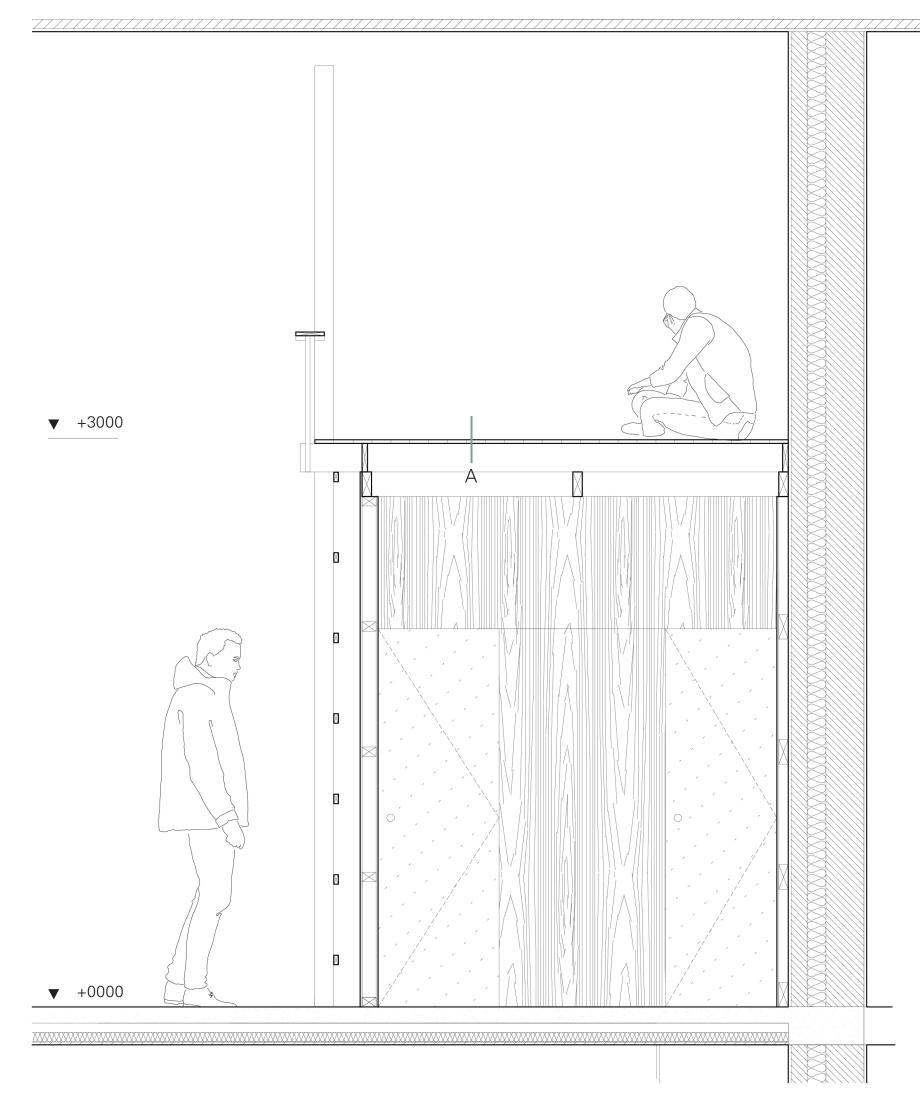


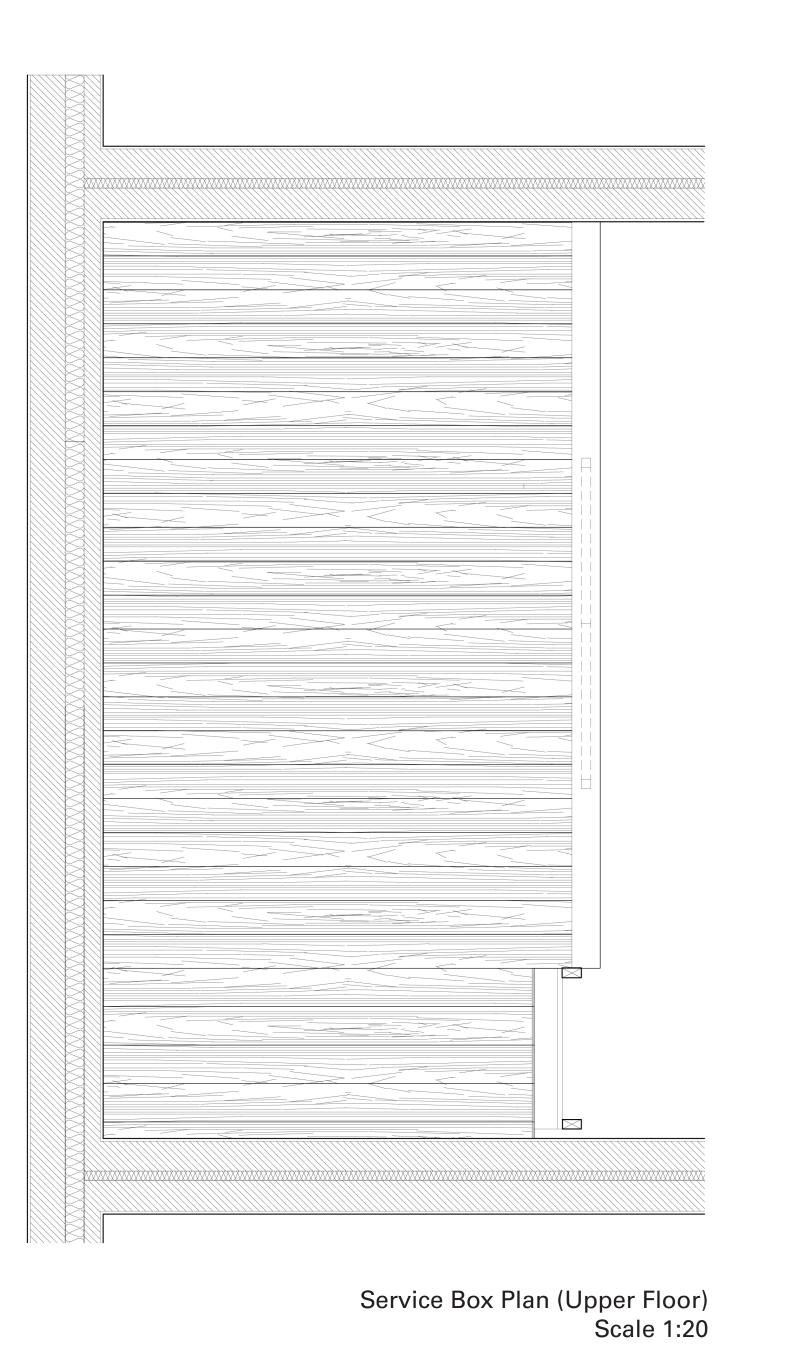


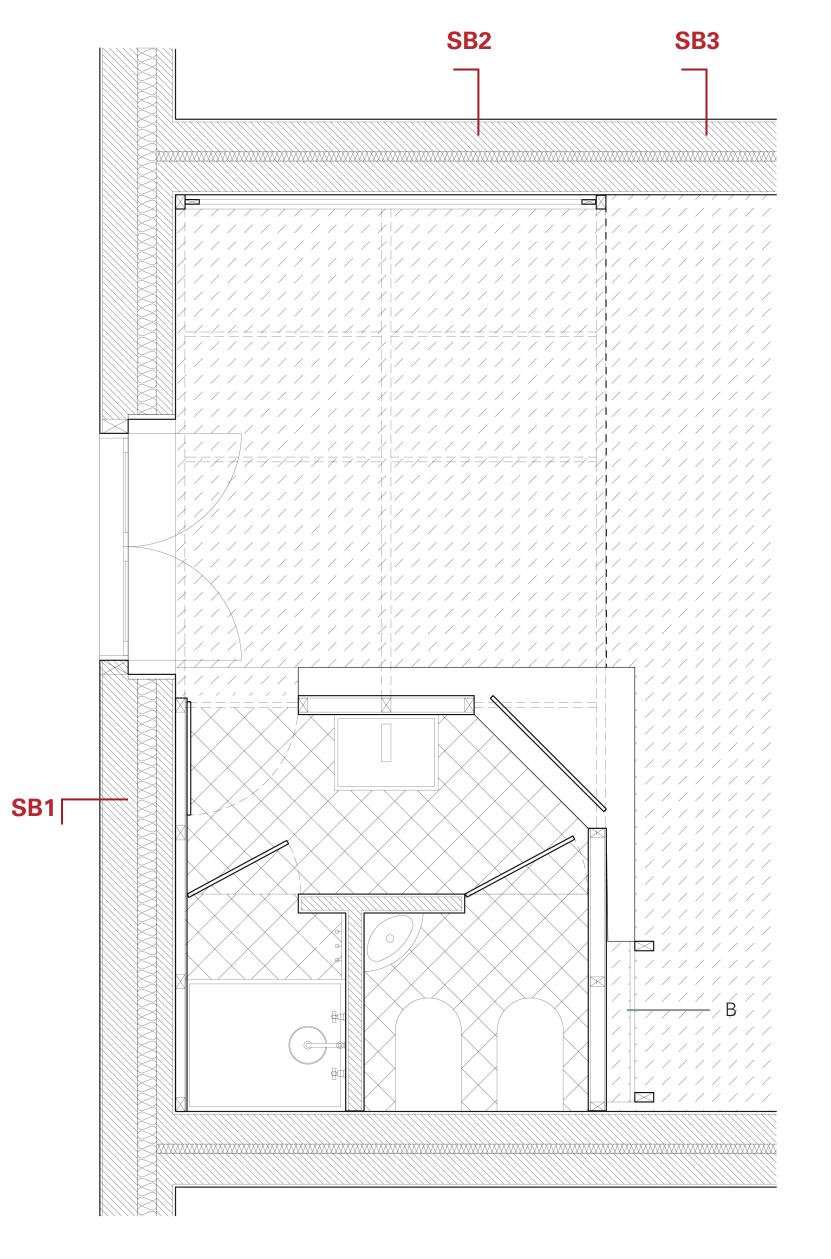


Section SB2 Scale 1:20

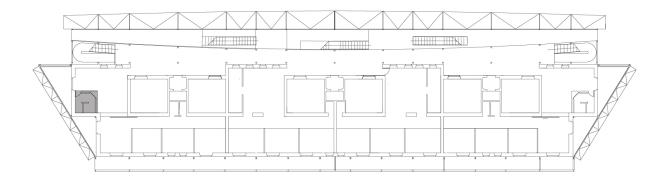




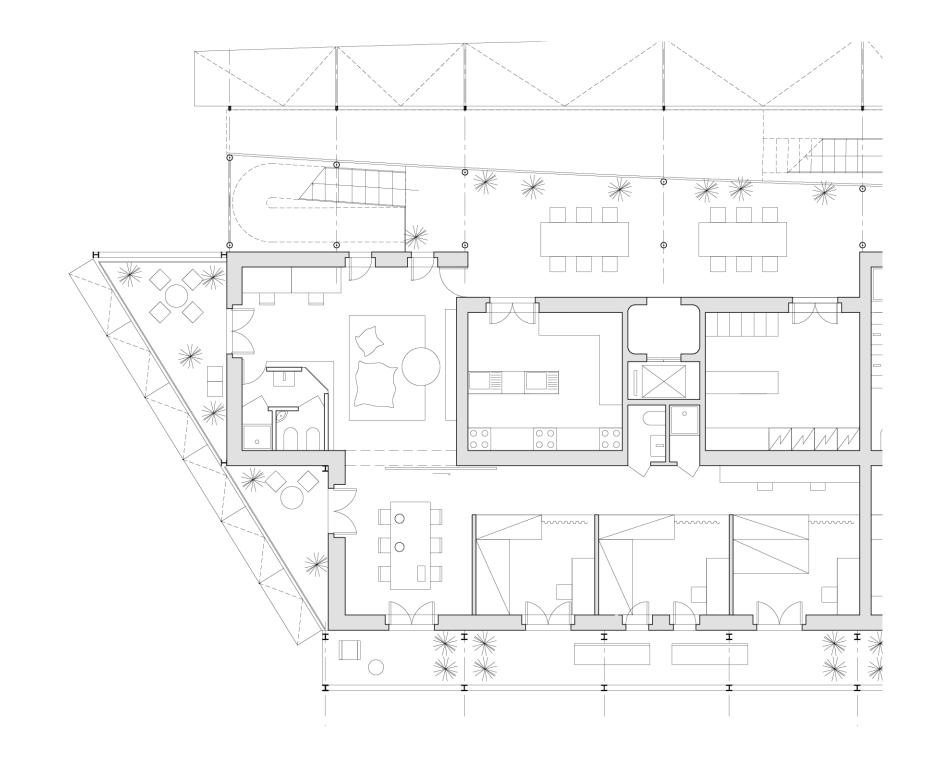




Section SB1 Scale 1:20











#### Service Box Plan Scale 1:20

Floor Detail (A) - 25 mm. Birch Plywood Plank,Sand and Coated with Matt Urythane - 25 x 75 Wood Beam

Partition Detail (B) - 15 mm. Plywood Panel 2 sided, Coated with Matt Urythane - 50x100 Wood Structures - 150 x 150 mm. White Ceramic Tile

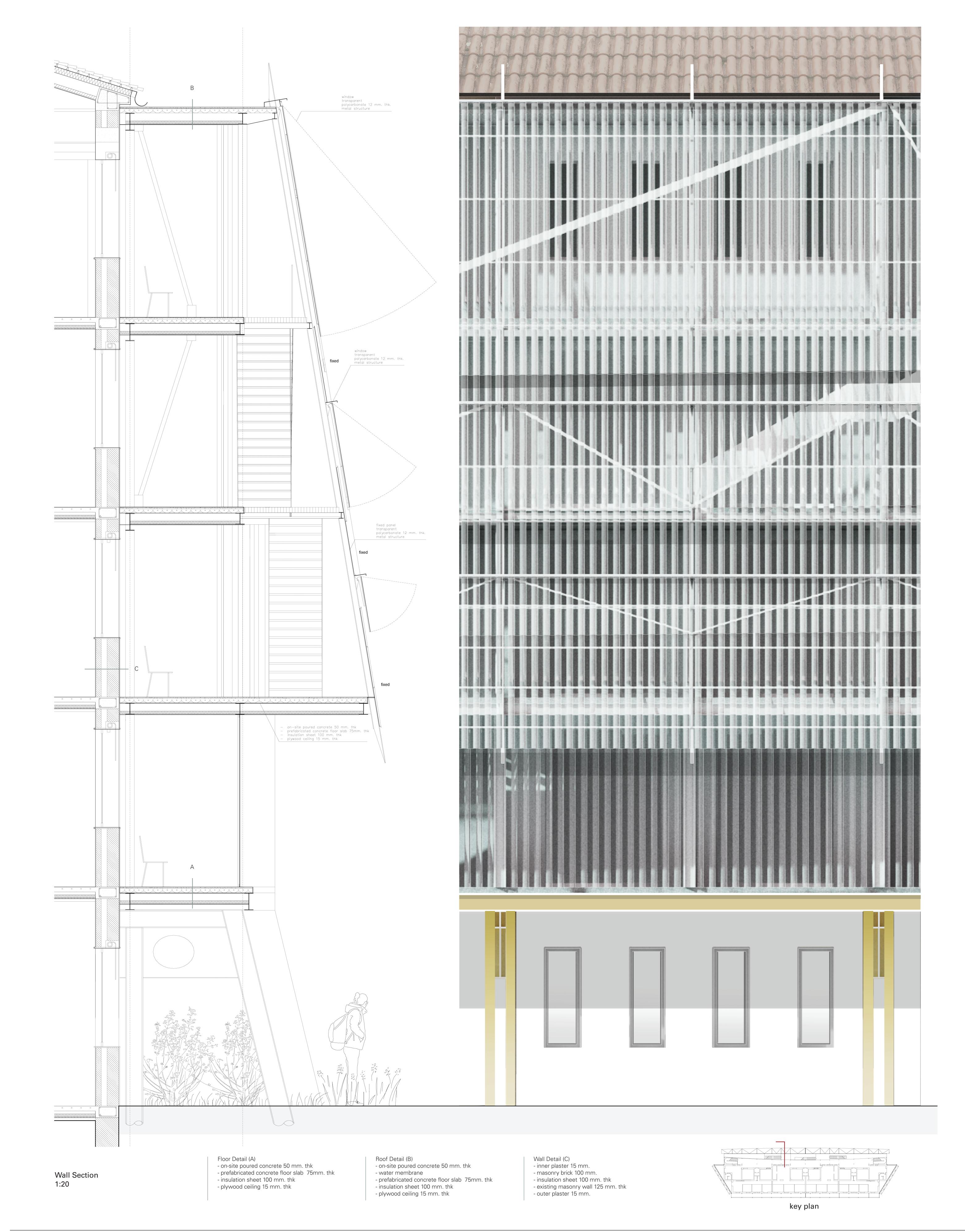
| Unit C Plan / Scale 1:100 | Living Area (Duplex) | Additional Balcony |
|---------------------------|----------------------|--------------------|
|                           |                      |                    |

**MASTER DEGREE THESIS** 

Student : Asrin Sanguanwongwan 936540 Supervisor : Professor Marta Averna

WALL SECTION (GARDEN FACADE)





# MASTER DEGREE THESIS

Student : Asrin Sanguanwongwan 936540 Supervisor : Professor Marta Averna