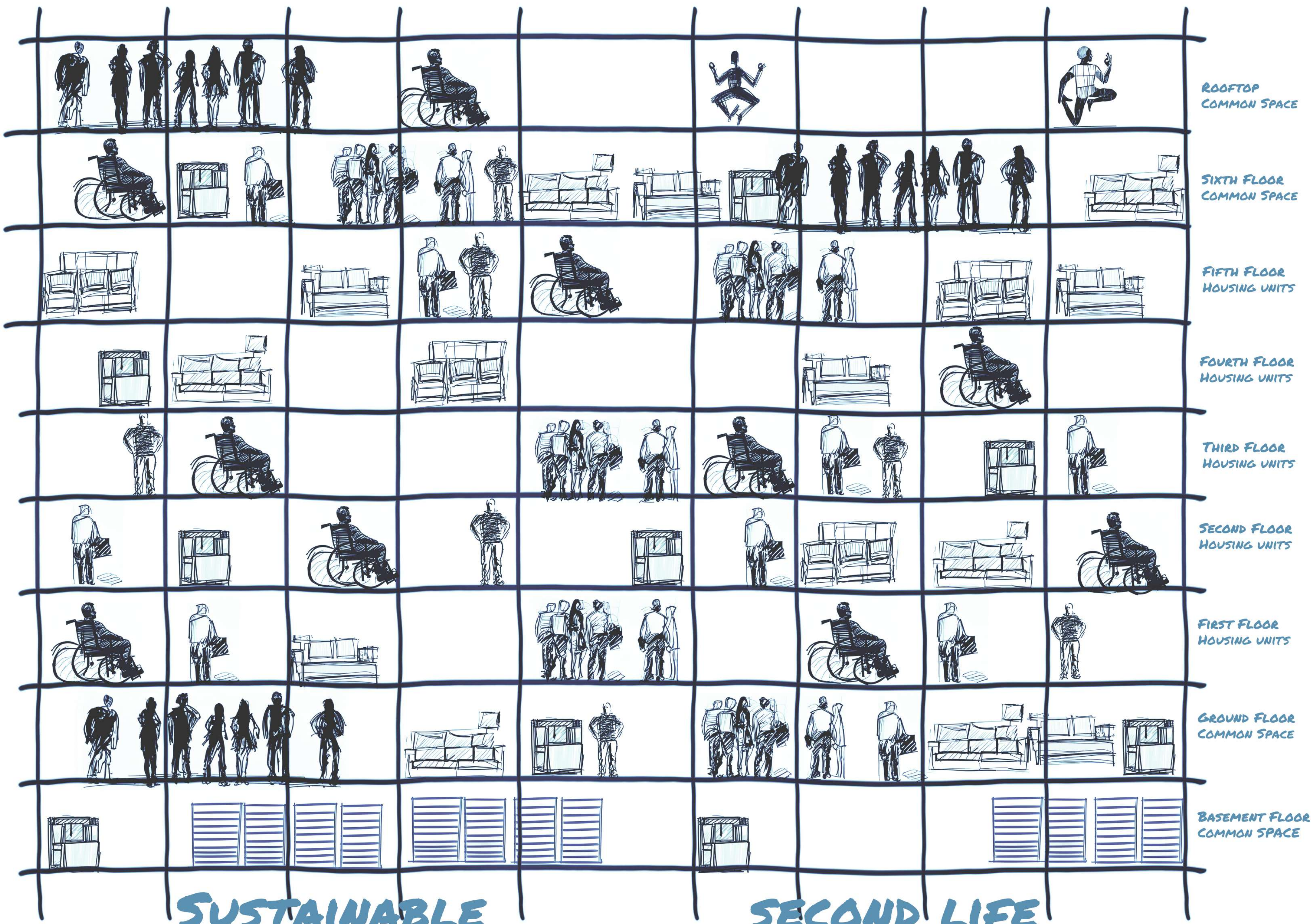


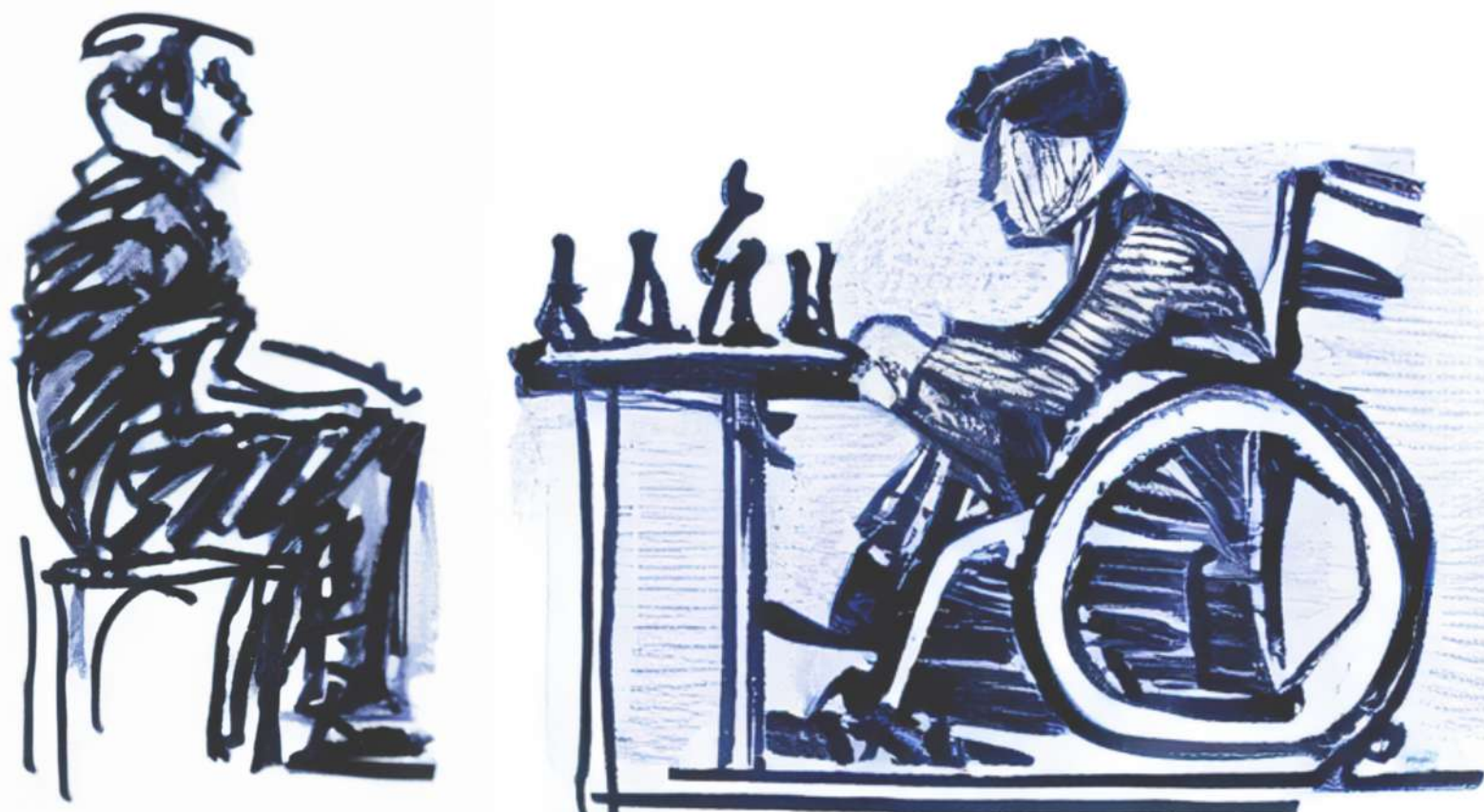
CONCEPTUAL SECTION



SUSTAINABLE REVIVAL

SECOND LIFE STRUCTURES

BEYOND BARRIERS: WELCOMING ALL WITH OPEN ARMS

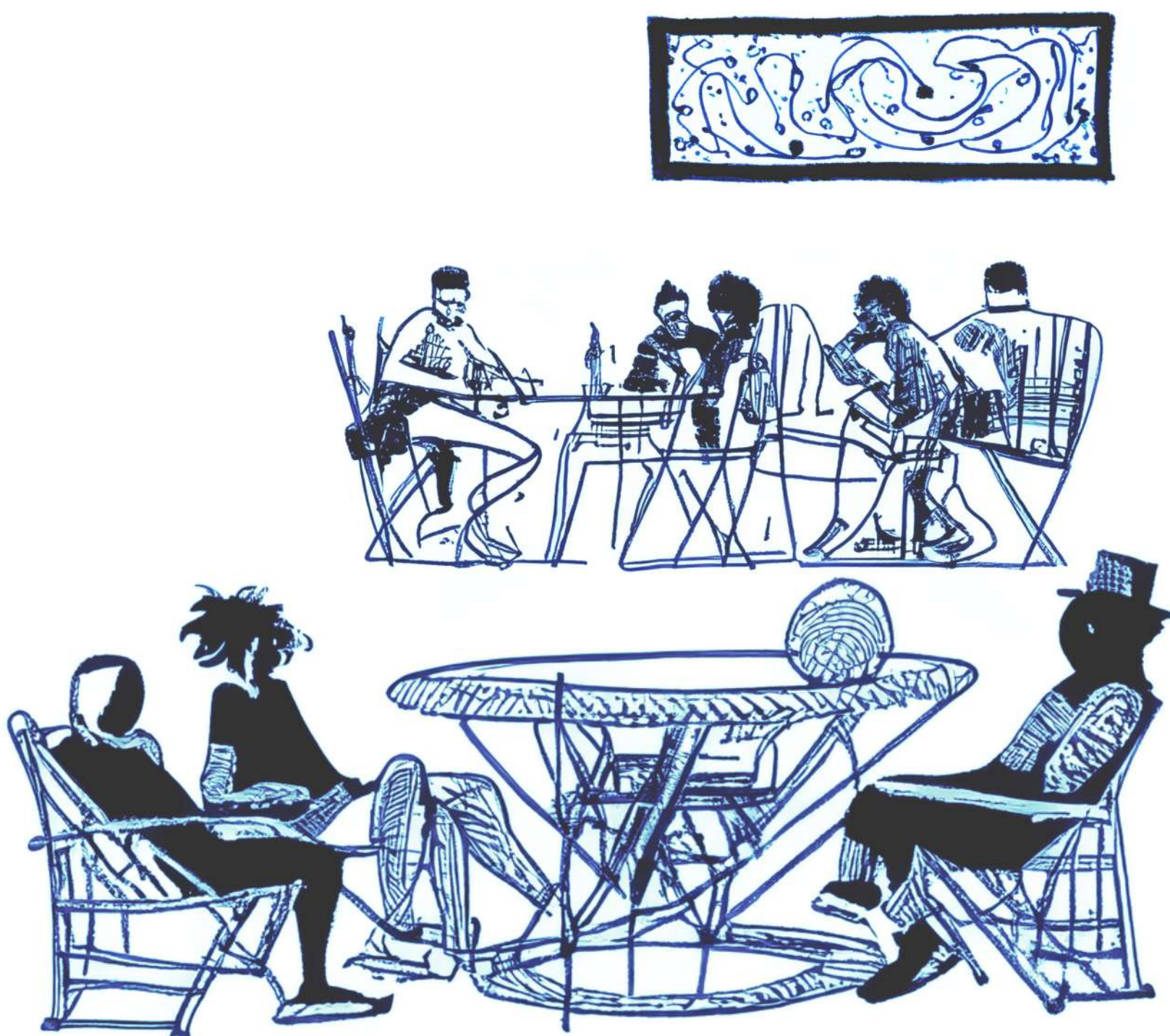


EMBRACING DIVERSITY



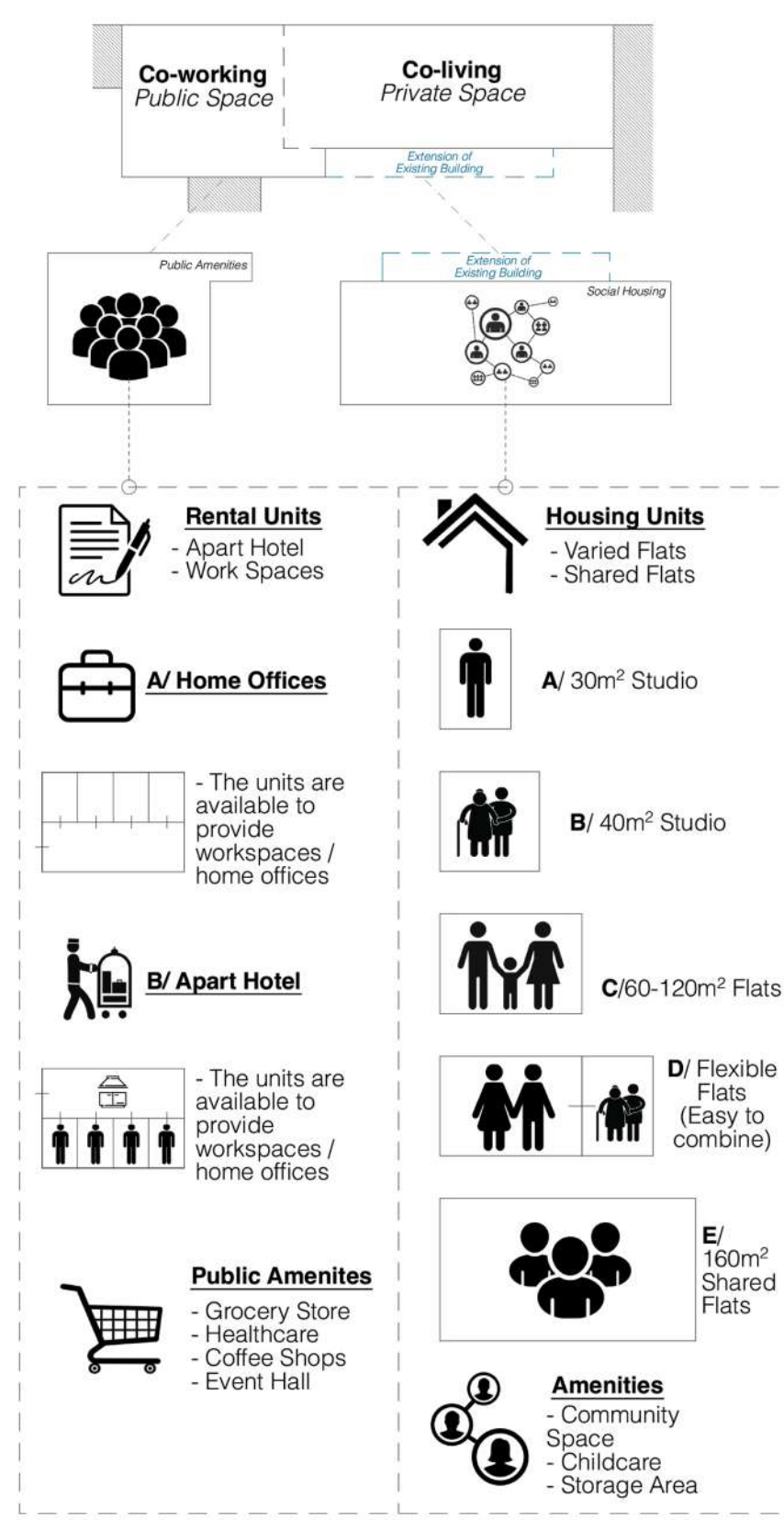
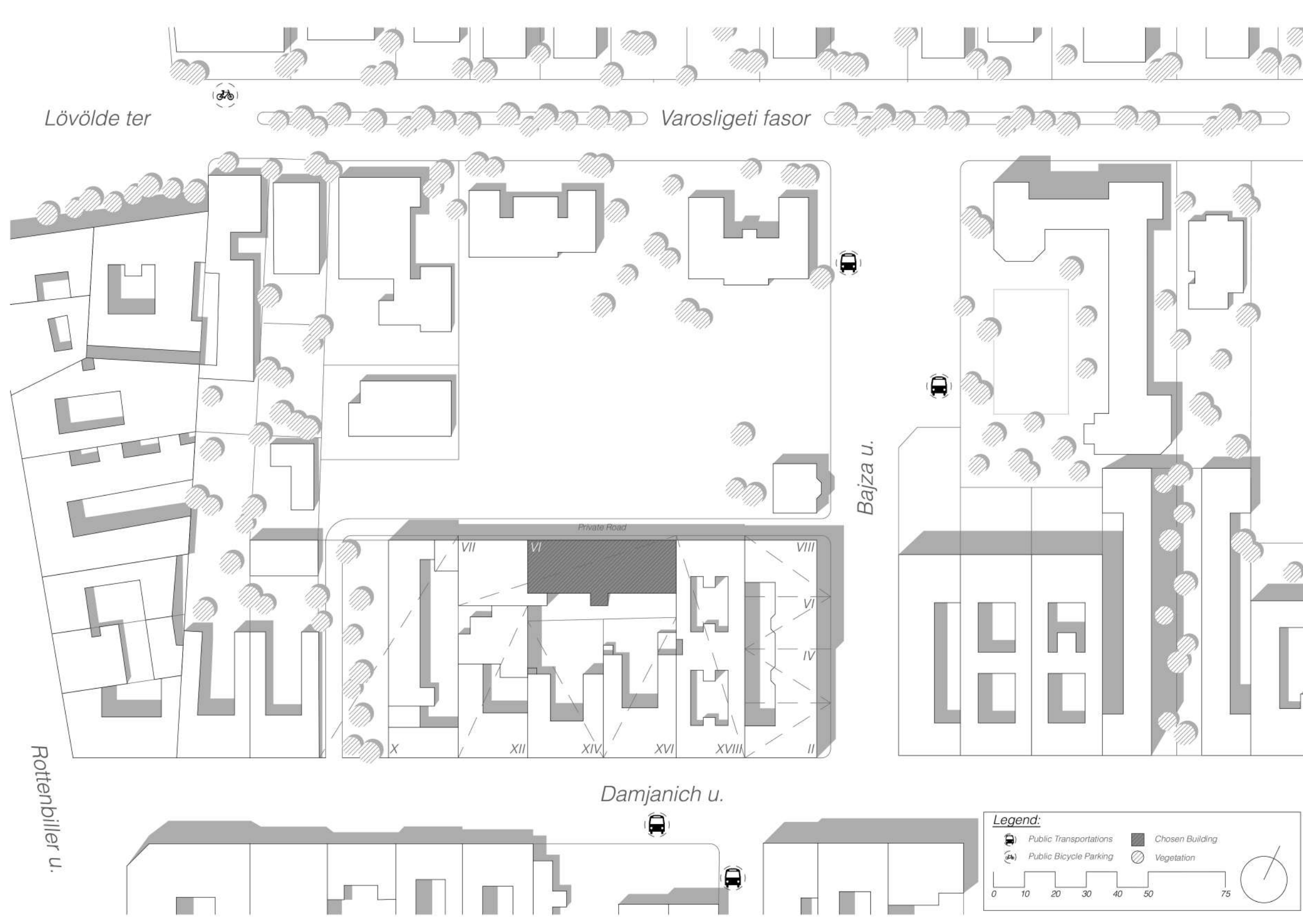
HOME SWEET HOME: WHERE EVERYONE BELONGS!

SOCIALIZE, PLAY, CONNECT: WHERE COMMUNITY THRIVES



FROM SKETCH TO REALITY: THE DREAMS COME TRUE

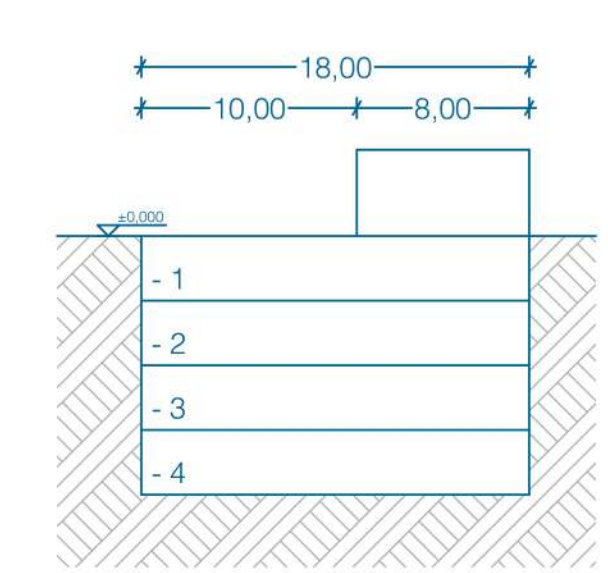
ONE BIG FAMILY: BUILDING BONDS, CREATING HOME
CONCEPTUAL SKETCHES



Sustainable Revival Second Life Structures

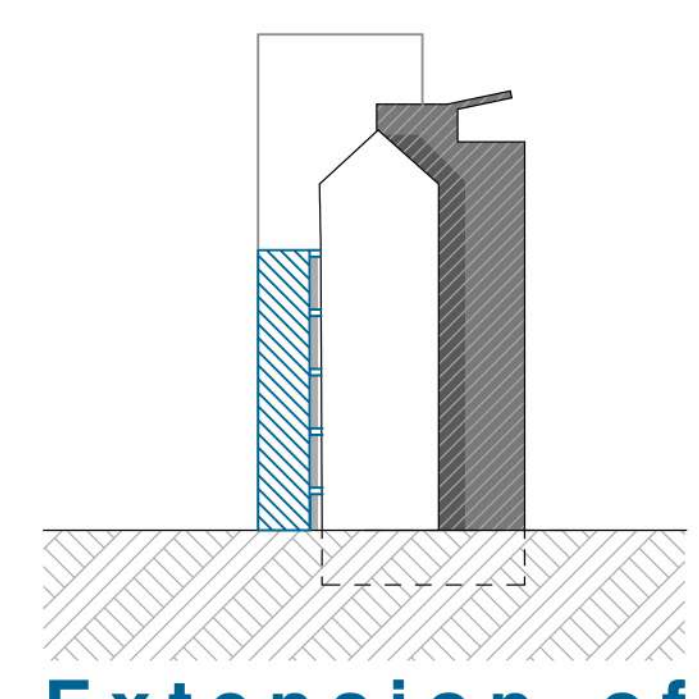
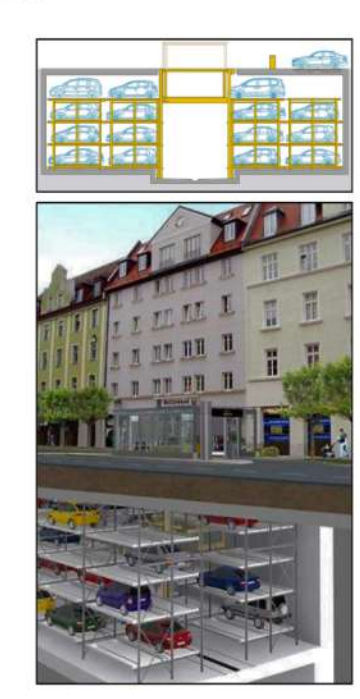
- Repurposing 1960s concrete mass, once a hospital, into vibrant co-living social housing.
- Preserve existing load-bearing grid, honoring historical significance.
- Lightweight steel extension adds versatile winter terrace, adaptable to residents' needs.
- Contrast highlights evolution: past concrete mass meets contemporary social housing.
- Ground and top floors dedicated to community spaces, fostering interaction and inclusivity.

Section C-C



Underground Car Parking Parklift 463 Project in Munich

The Parklift 463 is an automatic parking system that allows cars to be parked underground in a small space. It is a semi-automatic system, meaning that the driver must drive the car into the designated parking space before the system takes over to move the car into its final parking position. The system is designed for use in urban areas where space is limited, and it consists of two levels of parking spaces that are stacked on top of each other. The upper level is accessed via a ramp, and the lower level is accessed via a lift. To park the car, the driver enters the system and drives onto a platform that is then lifted to the upper level. The driver then exits the car, and the platform is lowered into the parking space. When the driver returns to retrieve the car, the process is reversed, and the platform lifts the car back up to the upper level. The Parklift 463 system is designed to be fast and efficient, with each parking space taking only a few minutes to access and retrieve a car. It is also highly secure, with a key card system that ensures that only authorized users can access the parking area. Overall, the Parklift 463 is an innovative solution to the problem of parking in urban areas where space is limited, and it provides a practical and efficient way to park cars underground in a semi-automatic manner.

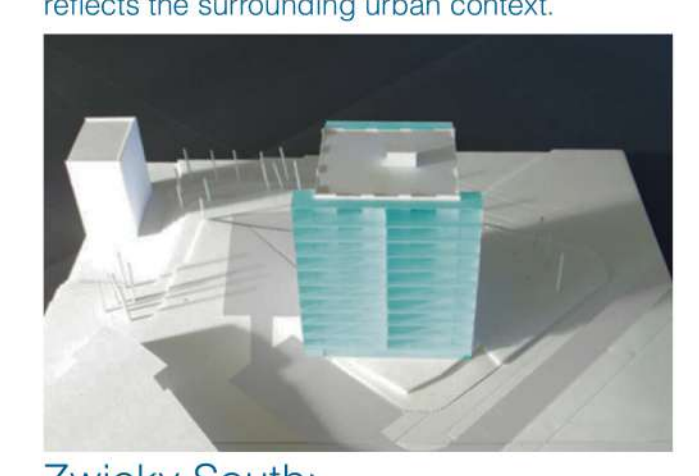


Extension of Existing Building Concepts & Reference

Housing transformation, Saint-Nazaire, La Chesnaie:

The aim of the project was to update the building to modern living standards while preserving its historical and architectural significance. The renovation also aimed to improve energy efficiency and reduce environmental impact.

The transformation involved the reconfiguration of the internal layout of the building, with the creation of new apartments and the expansion of existing ones. The building was also given a new facade with a contemporary design that reflects the surrounding urban context.

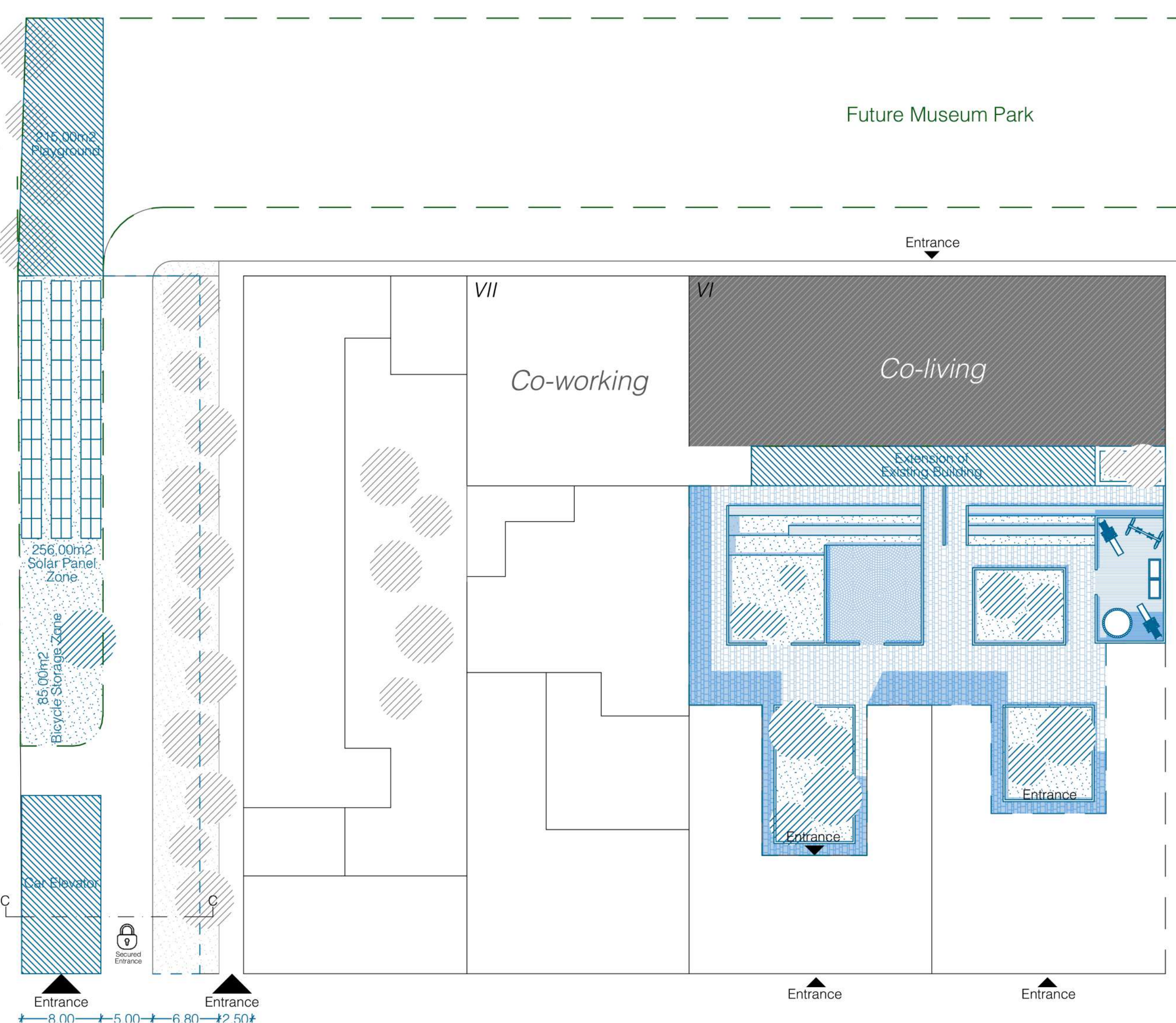


Zwicky South:

It is a modern and eco-friendly development that offers top-notch residential and commercial spaces. The buildings are designed with sustainability in mind, incorporating features such as green roofs and rainwater harvesting systems.

The communal spaces, such as the rooftop terrace and shared garden, provide opportunities for residents to connect and form a sense of community. The development is located in the up-and-coming Altstetten neighborhood, which is well-connected to Zurich's city center and undergoing significant regeneration, making it an attractive location for families and young professionals.

Overall, Zwicky South is a great example of a contemporary mixed-use development that prioritizes sustainability, community, and high-quality living and working spaces.

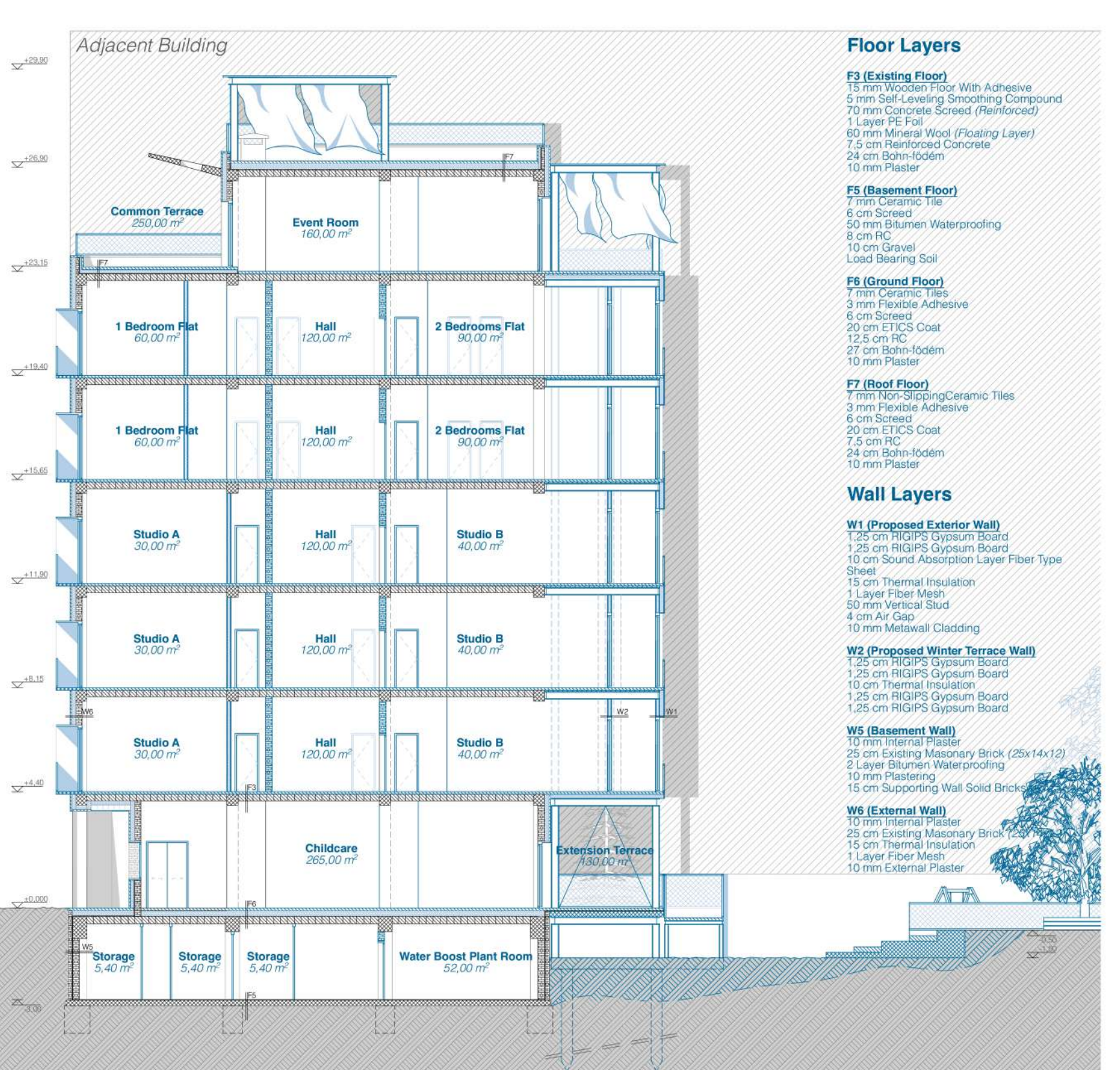
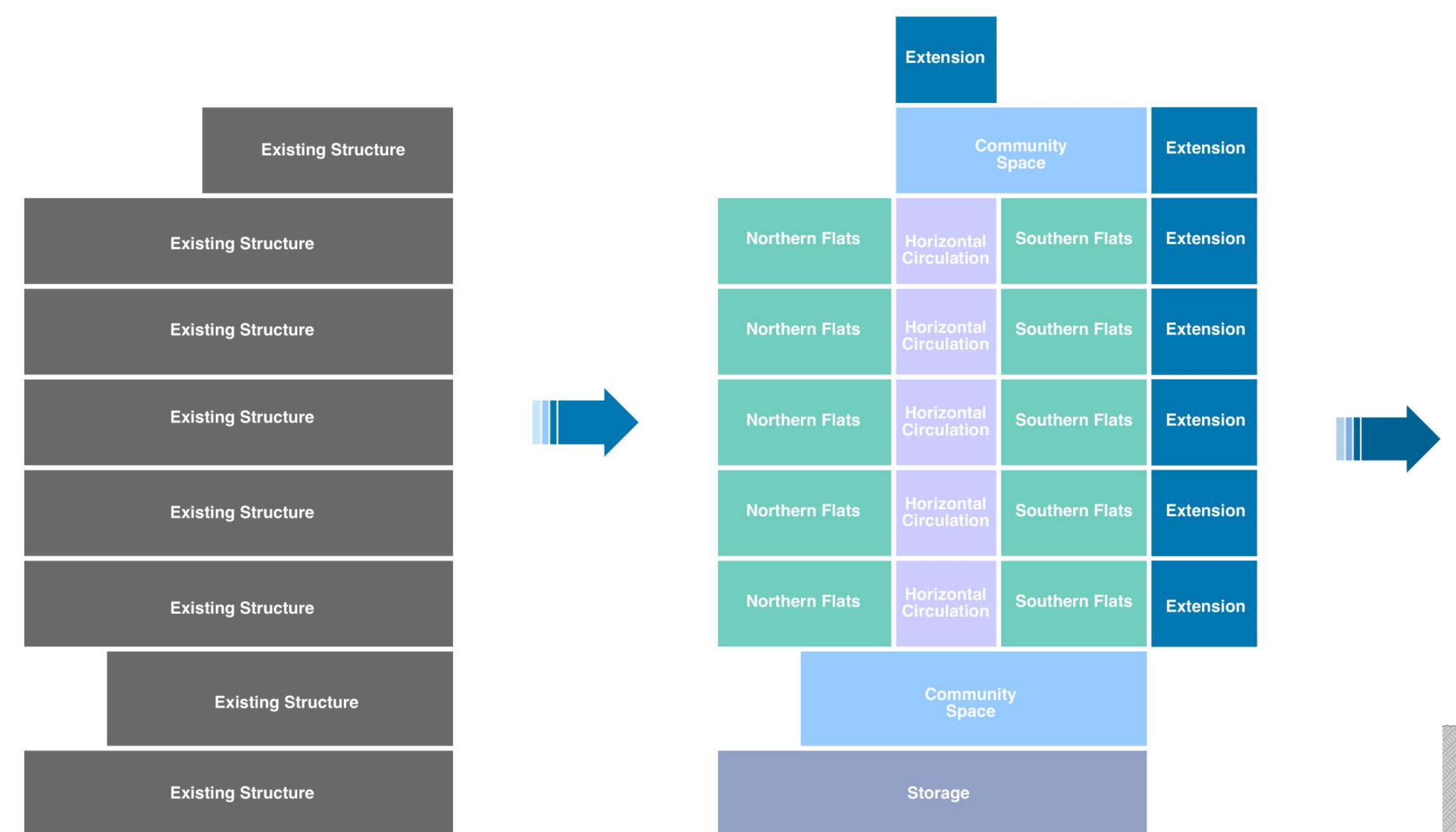


Shared Courtyard Concepts & Reference

Via Verde, New York City: Via Verde is a mixed-income affordable housing complex in the South Bronx that features a shared courtyard with a children's play area, community garden, and seating areas. The courtyard is open to both residents and the public, and is connected to a community center that offers programming and services for residents.

The Co-housing Project in Malmö: This project includes a shared courtyard that is designed as a flexible and multi-functional space for both the community and children. The courtyard includes a natural play area with a sandpit and climbing.

Living Terrace: A green terrace that is designed as a living and growing space, with a focus on sustainability and biodiversity.



- #### Floor Layers
- F3 (Existing Floor)**
 - 15 mm Woodchip Floor With Adhesive
 - 5 mm Self-Leveling Screeding Compound
 - 70 mm Concrete Slab (Reinforced)
 - 1 Layer PE Fall
 - 60 mm Mineral Wool (Floating Layer)
 - 7.5 cm Reinforced Concrete
 - 24 cm Bohn-Isoleer
 - 10 mm Plaster
 - F5 (Basement Floor)**
 - 7 mm Ceramic Tile
 - 6 cm Screed
 - 50 mm Bitumen Waterproofing
 - 8 cm FC
 - 10 cm Gravel Load Bearing Soil
 - F6 (Ground Floor)**
 - 7 mm Ceramic Tile
 - 3 mm Flexible Adhesive
 - 6 cm Screed
 - 20 cm ETICS Coat
 - 12.5 cm RC
 - 27 cm Bohn-Isoleer
 - 10 mm Plaster
 - F7 (Roof Floor)**
 - 7 mm Non-Slipping Ceramic Tiles
 - 2 mm Flexible Adhesive
 - 6 cm Screed
 - 20 cm ETICS Coat
 - 7.5 cm RC
 - 24 cm Bohn-Isoleer
 - 10 mm Plaster
 - Wall Layers**
 - W1 (Proposed Exterior Wall)**
 - 1.25 cm RIGIPS Gypsum Board
 - 1.25 cm RIGIPS Gypsum Board
 - 10 cm Thermal Insulation
 - 1.25 cm RIGIPS Gypsum Board
 - 1.25 cm RIGIPS Gypsum Board
 - 15 cm RIGIPS Gypsum Board
 - 15 cm Supporting Wall Solid Brick
 - W2 (Proposed Winter Terrace Wall)**
 - 1.25 cm RIGIPS Gypsum Board
 - 1.25 cm RIGIPS Gypsum Board
 - 10 cm Thermal Insulation
 - 1.25 cm RIGIPS Gypsum Board
 - 1.25 cm RIGIPS Gypsum Board
 - 15 cm RIGIPS Gypsum Board
 - 15 cm Supporting Wall Solid Brick
 - W3 (Existing Masonry Wall)**
 - 25 cm Existing Masonry Brick (25x14x12)
 - 2 Layer Bitumen Waterproofing
 - 10 mm Plastering
 - 15 cm Supporting Wall Solid Brick
 - W4 (Existing Masonry Wall)**
 - 25 cm Existing Masonry Brick (25x14x12)
 - 2 Layer Bitumen Waterproofing
 - 10 mm Plastering
 - 15 cm Supporting Wall Solid Brick
 - W5 (Existing Masonry Wall)**
 - 25 cm Existing Masonry Brick (25x14x12)
 - 2 Layer Bitumen Waterproofing
 - 10 mm Plastering
 - 15 cm Supporting Wall Solid Brick
 - W6 (External Wall)**
 - 10 mm Plaster
 - 25 cm Existing Masonry Brick (25x14x12)
 - 15 cm Thermal Insulation
 - 1.25 cm RIGIPS Gypsum Board
 - 1.25 cm RIGIPS Gypsum Board
 - 15 cm RIGIPS Gypsum Board
 - 15 cm Supporting Wall Solid Brick

The 4th and 5th floors of the building offer a diverse range of apartment options to cater to various needs. These floors feature **one-bedroom flats with sizes ranging from 45, 60, to 65 square meters**, as well as **two-bedroom flats measuring 90 square meters**. Additionally, **there are two larger flats, each spanning 120 square meters**. One of these larger flats consists of three bedrooms, while the other offers four bedrooms.

While these floors are equipped with convenient service areas such as a **laundry room, trash room, and storage room**. These amenities enhance the functionality and convenience of daily living for residents.

The 4th and 5th floors showcase a **thoughtfully designed residential environment, providing a range of spacious and well-appointed flats to accommodate different lifestyles and household sizes**. The inclusion of service areas ensures that residents have access to essential facilities, contributing to a comfortable and efficient living experience.

The 6th floor of the building is **dedicated entirely to communal spaces, fostering a sense of togetherness and creating a vibrant community environment**. This floor serves as a central hub for socializing, bringing residents together as one big family.

The community space features a **well-equipped kitchenette, providing a shared cooking and dining area where residents can gather, prepare meals, and enjoy communal meals together**. This communal kitchen fosters connections and encourages social interaction among the residents, promoting a sense of community and shared experiences.

Additionally, **a terrace is available on the sixth floor, offering an inviting outdoor space where residents can relax, socialize, and enjoy the surrounding views**. This terrace provides an ideal setting for gatherings, fostering a sense of belonging and facilitating connections among the residents.

Furthermore, **an event room is provided, serving as a versatile space for various activities, such as community events, workshops, or group activities**. This room offers residents the opportunity to engage in shared interests, learn from one another, and create lasting memories together.

The rooftop serves as an expansive communal space where residents can engage in various activities. **It offers opportunities for urban gardening, allowing individuals to cultivate their organic food and embrace sustainable practices**. Additionally, **the rooftop provides an open-air environment for workouts, yoga sessions, and other physical activities**. A steel construction element with a curtain creates an in-between space, providing privacy and flexibility for residents to enjoy their chosen activities. **The rooftop serves as a versatile and inviting area, encouraging a healthy and active lifestyle while fostering a deep connection with nature and the surrounding environment**.

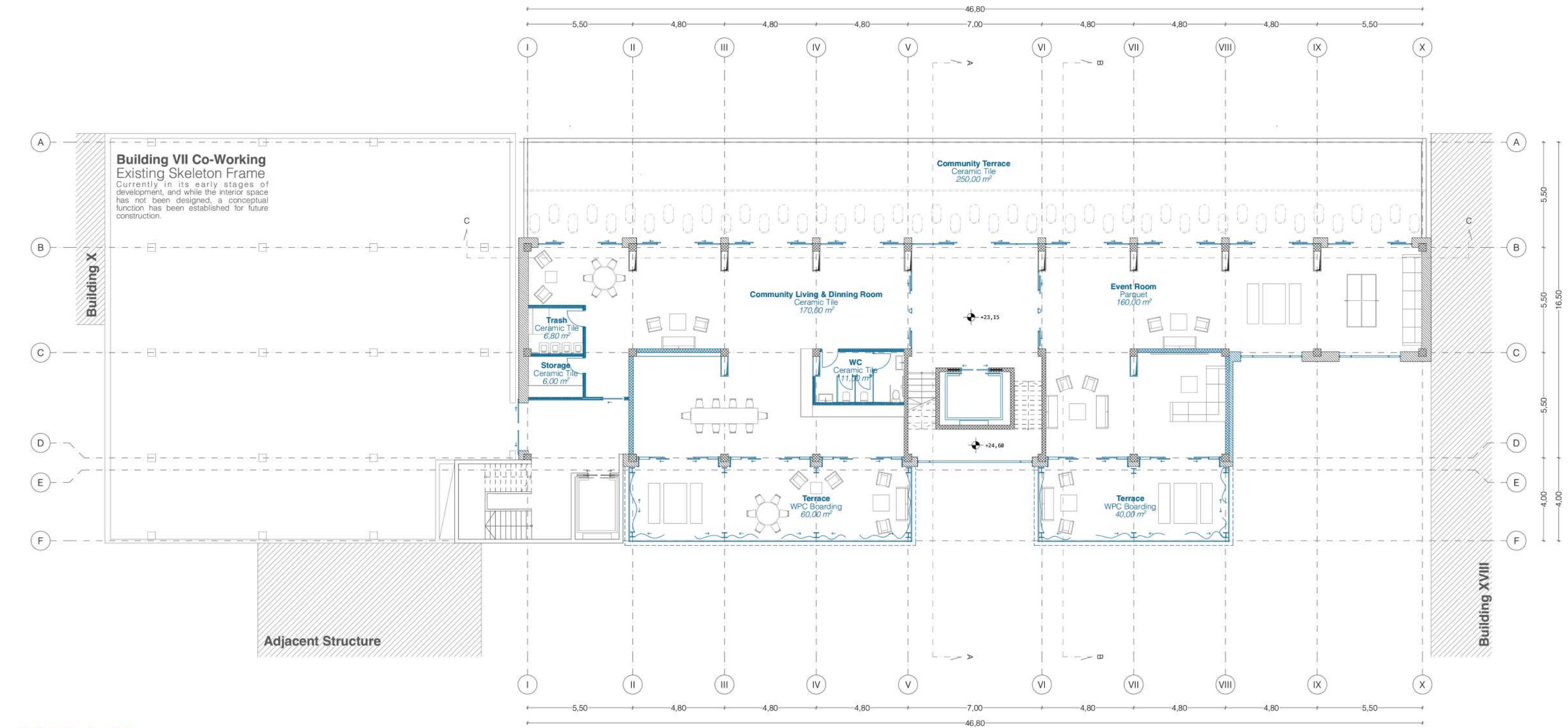
The proposed section reveals the **addition of a steel construction on the southern facade, specifically designed to create winter terraces for the flats**. These terraces offer a unique and adaptable living experience, providing residents with flexible and in-between spaces that bridge the indoors and outdoors.

Furthermore, **the ground and uppermost floors are thoughtfully designed as communal spaces, emphasizing connectivity and community**. These floors serve as gathering areas, fostering interaction and a sense of belonging among the residents. The inclusion of communal kitchens and terraces **on the mid-floors, where the flats are located, further enhances the social dynamics within the building**. These areas are complemented by **essential service areas, ensuring convenience and efficiency for the residents**.

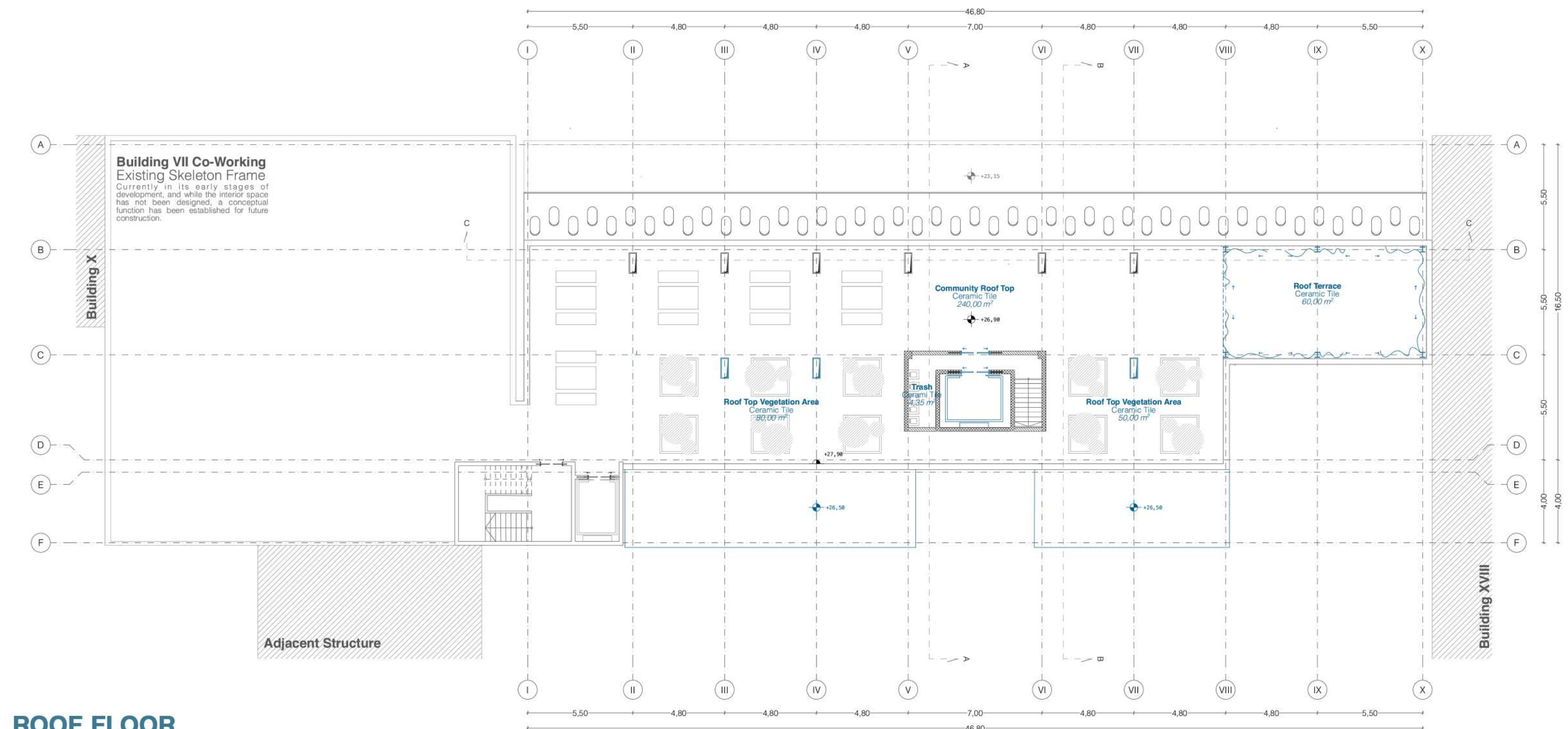
The proposed section showcases a harmonious balance between private living spaces and communal areas, **creating a cohesive and inviting environment for all residents**.



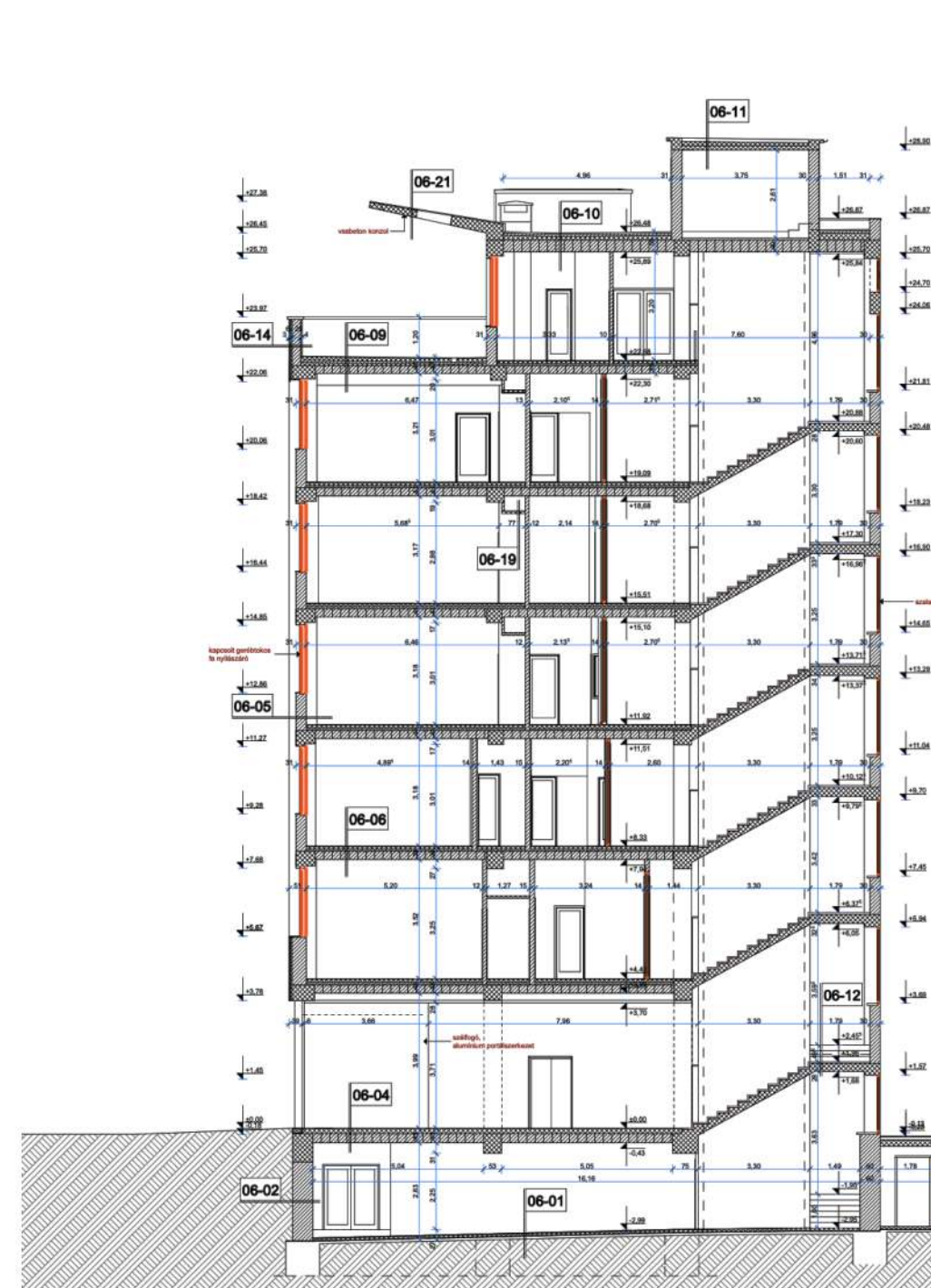
4TH - 5TH FLOORS



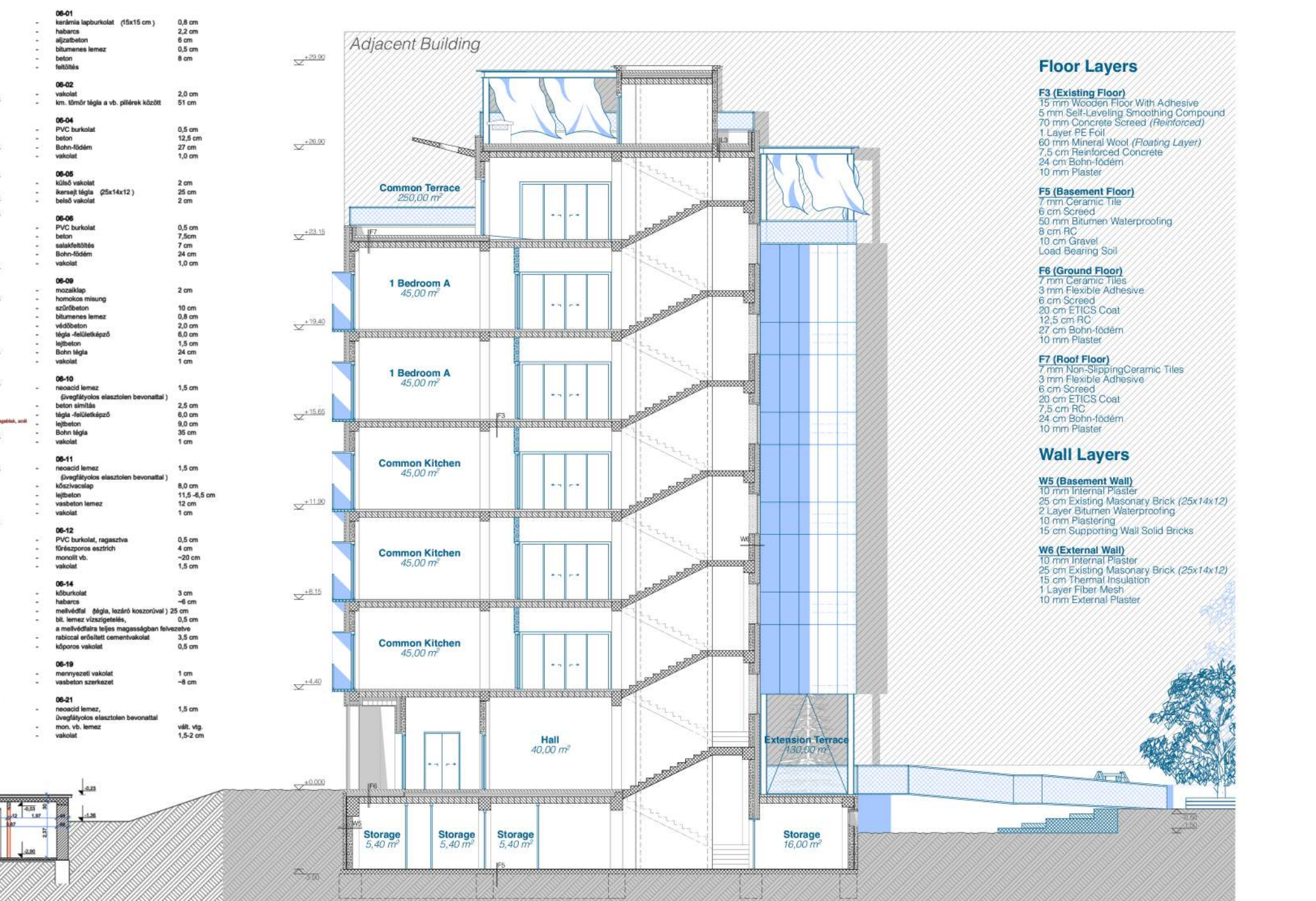
6TH FLOOR



ROOF FLOOR



Existing Section

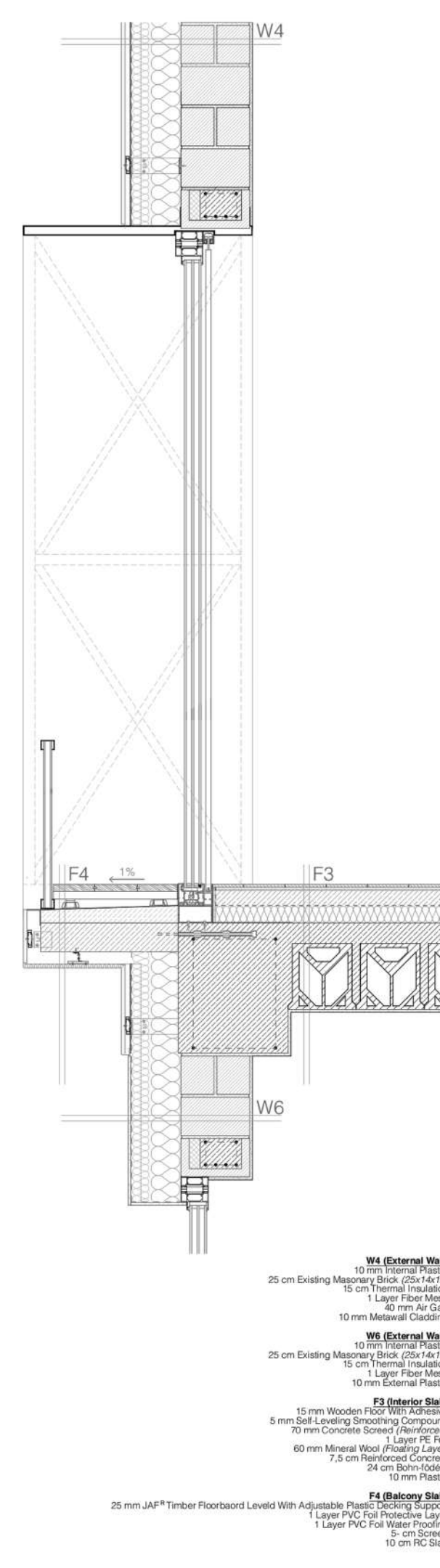
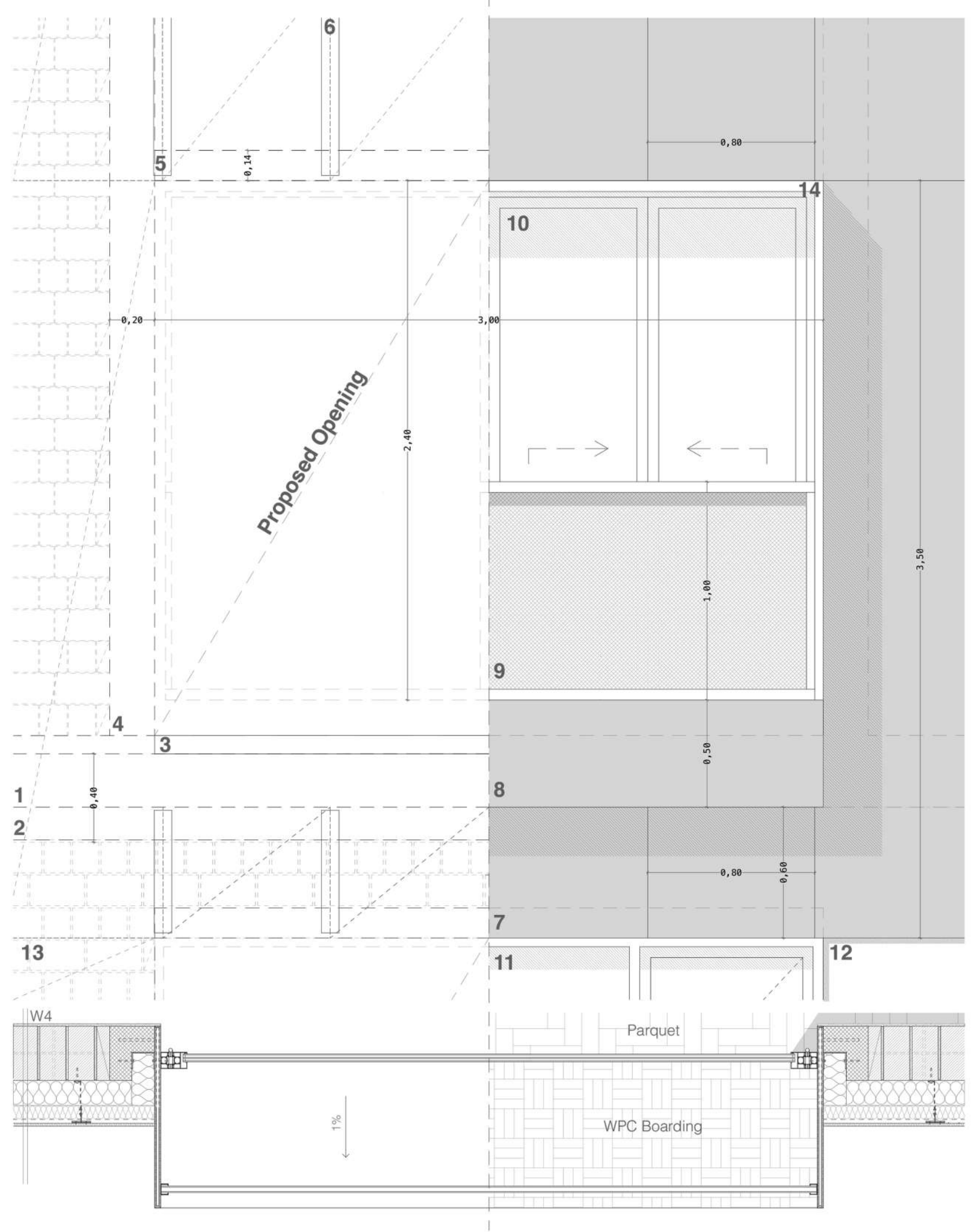


Proposed Section



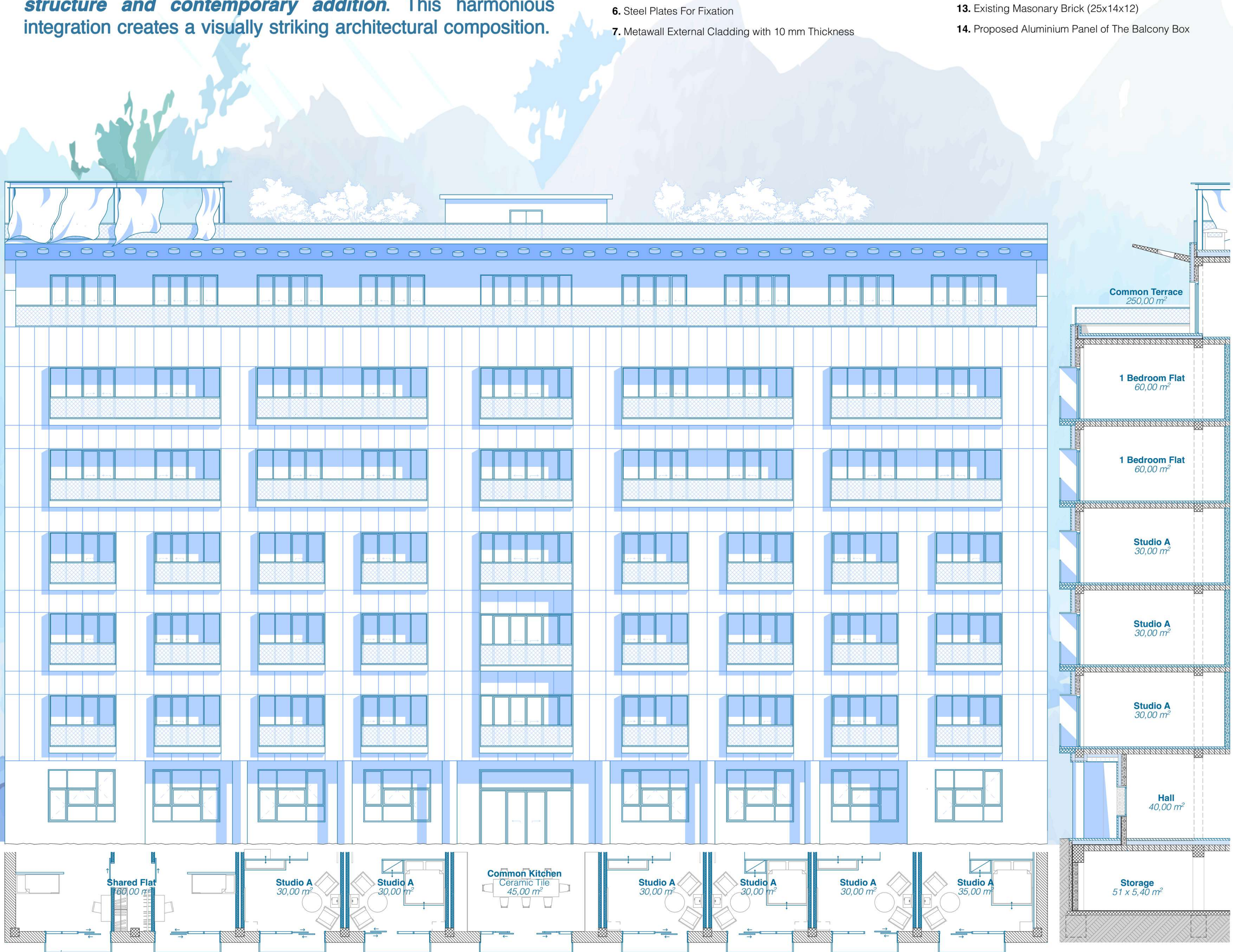
Respecting the existing grid system, the north-facing flats and studios have been thoughtfully designed. **Aluminum balcony box extensions have been added to establish a seamless connection between indoor and outdoor spaces.** These extensions provide residents with the opportunity to enjoy the expansive green area surrounding the building. **The design emphasizes the integration of the grid system and the creation of functional spaces that embrace the natural environment.**

The northern façade retains its original design on the ground floor, roof, and terrace levels. **An aluminum box balcony extension enhances the indoor-outdoor connection. Metal cladding accentuates the contrast between the existing structure and contemporary addition.** This harmonious integration creates a visually striking architectural composition.



Legend

- 1. Existing Slab Made of 24 cm Bohn-födém and 75 mm RC
- 2. Existing RC Beam With a Cross Section of 40x40 cm
- 3. Proposed RC Slab of Balcony
- 4. Proposed RC Half Column To Support Balcony Box
- 5. Ytong "U" Lintel
- 6. Steel Plates For Fixation
- 7. Metawall External Cladding with 10 mm Thickness
- 8. Proposed Balcony Floors With Metawall Cladding
- 9. Metal Sheet Railing of The Balcony Box
- 10. Proposed Aluminium Sliding Door
- 11. Proposed Aluminium Window
- 12. Plastering As an External Cladding of Ground Floor
- 13. Existing Masonry Brick (25x14x12)
- 14. Proposed Aluminium Panel of The Balcony Box



KEY QUESTIONS:

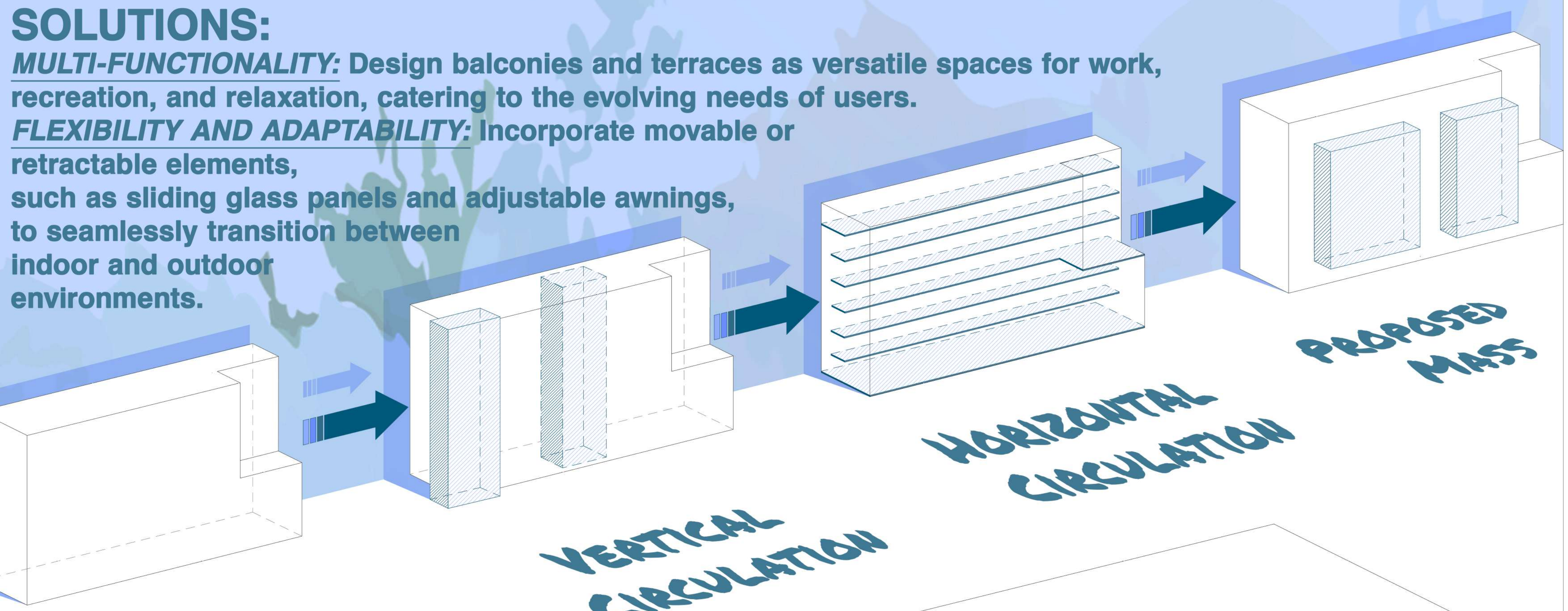
How can we promote well-being through a connection with the outdoors?

How can balconies and terraces serve multiple functions in today's changing lifestyles?

SOLUTIONS:

MULTI-FUNCTIONALITY: Design balconies and terraces as versatile spaces for work, recreation, and relaxation, catering to the evolving needs of users.

FLEXIBILITY AND ADAPTABILITY: Incorporate movable or retractable elements, such as sliding glass panels and adjustable awnings, to seamlessly transition between indoor and outdoor environments.



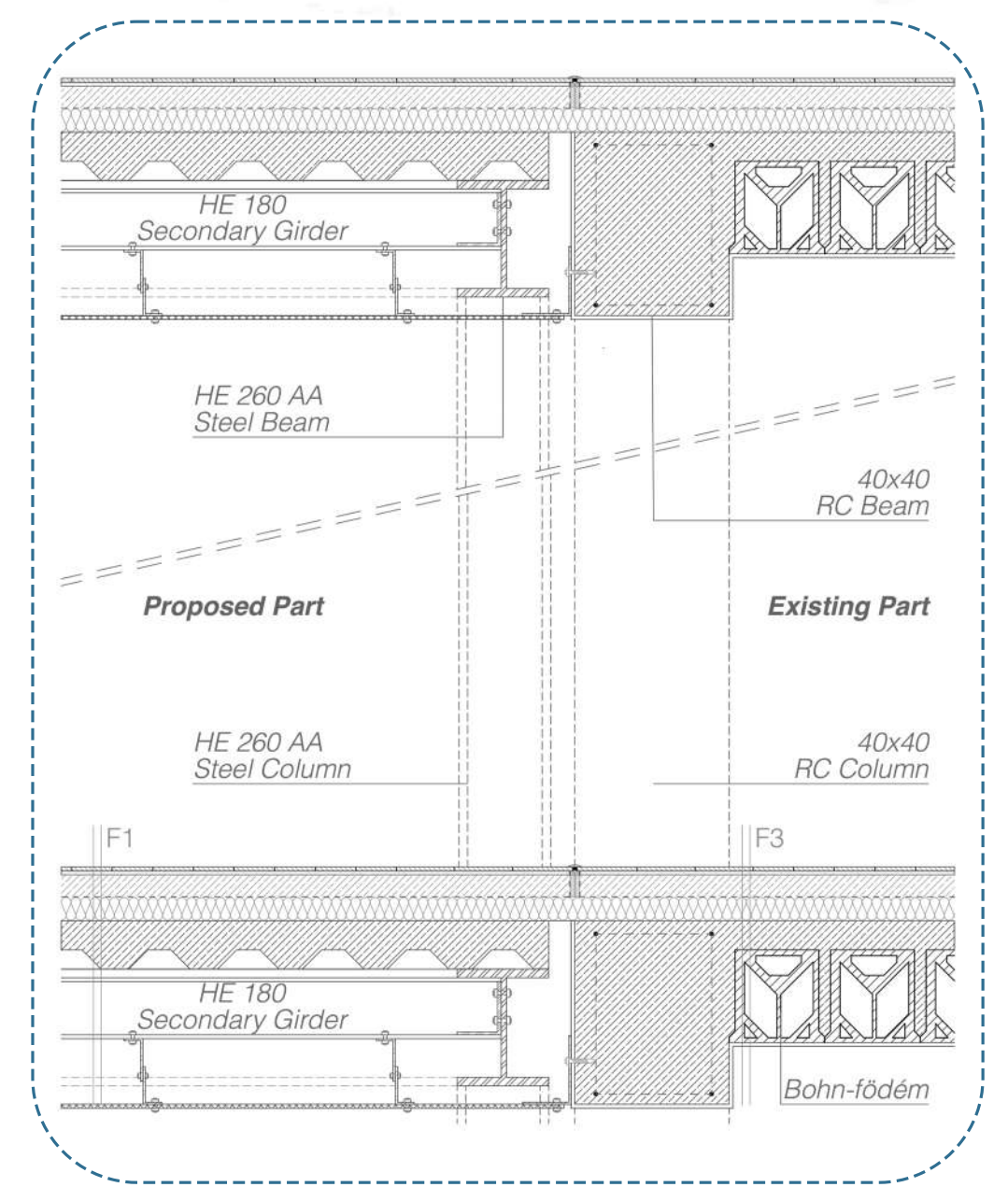
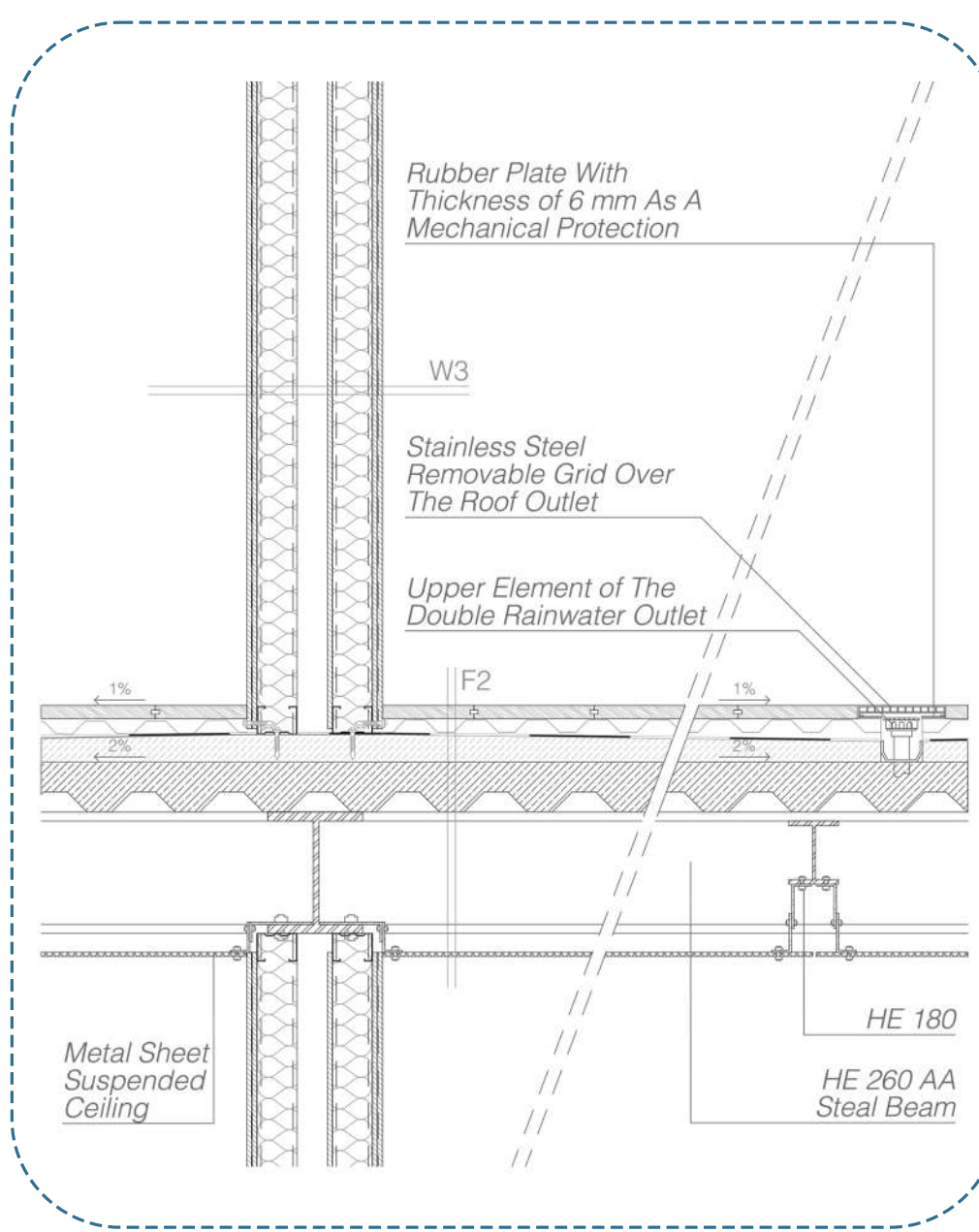
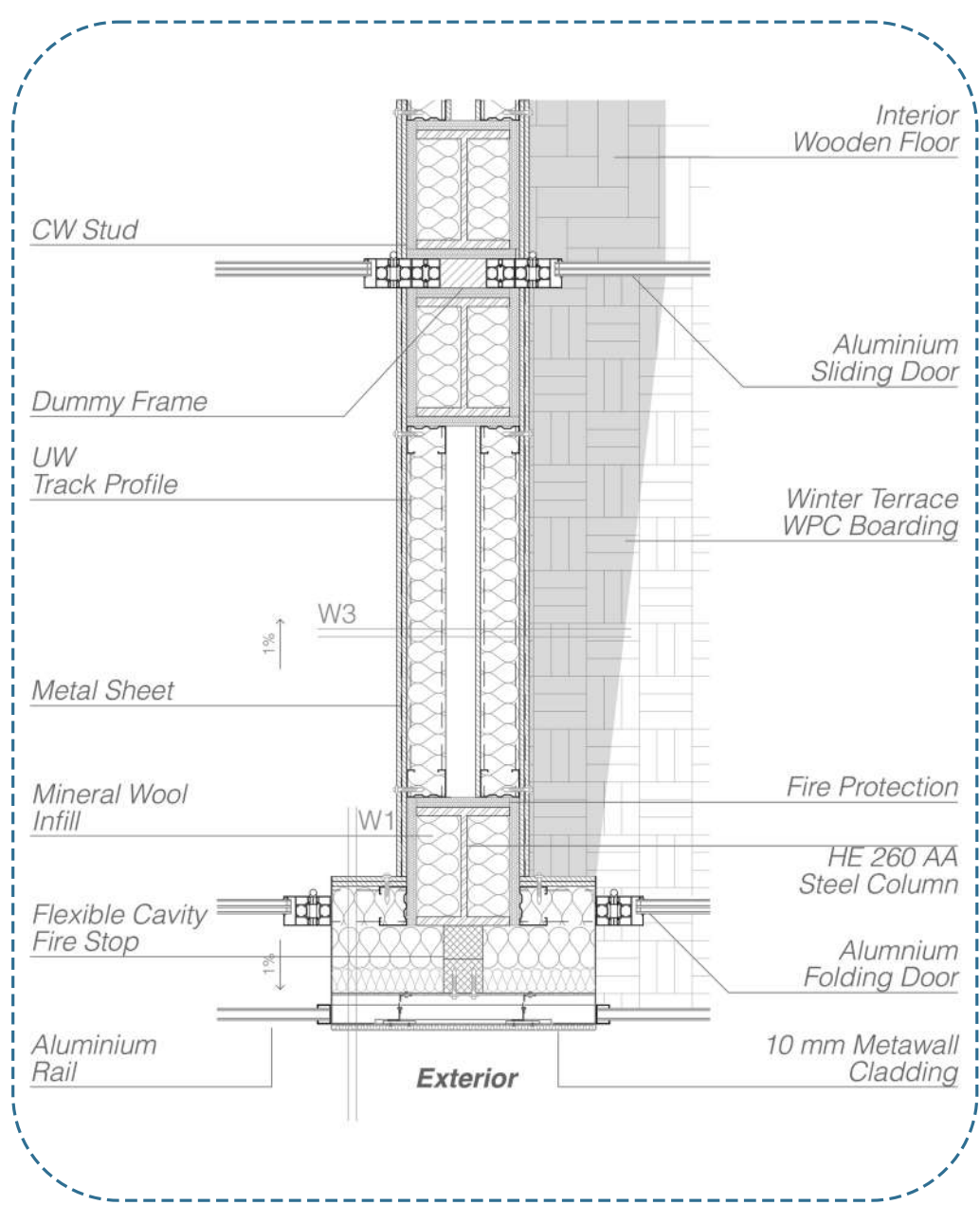
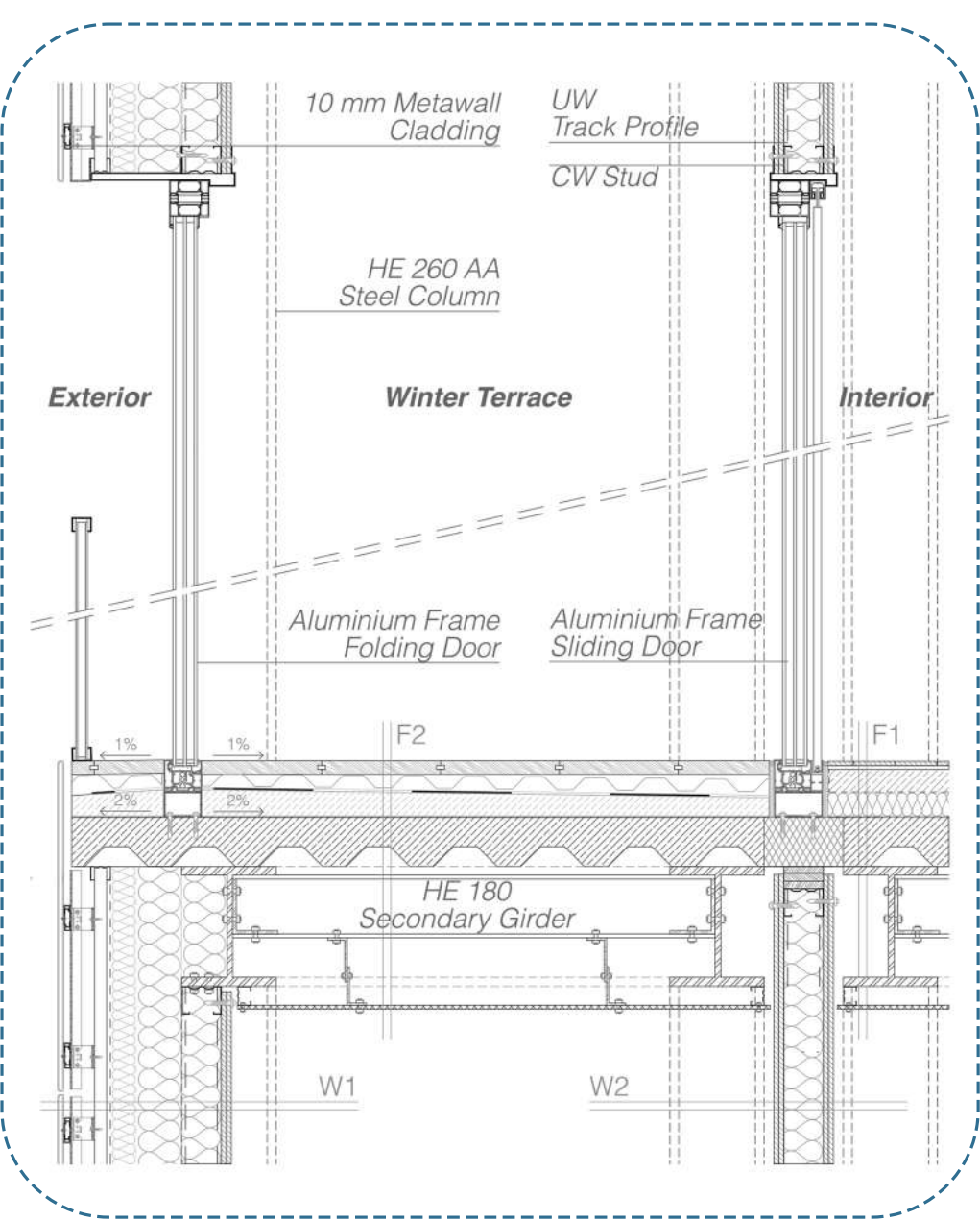
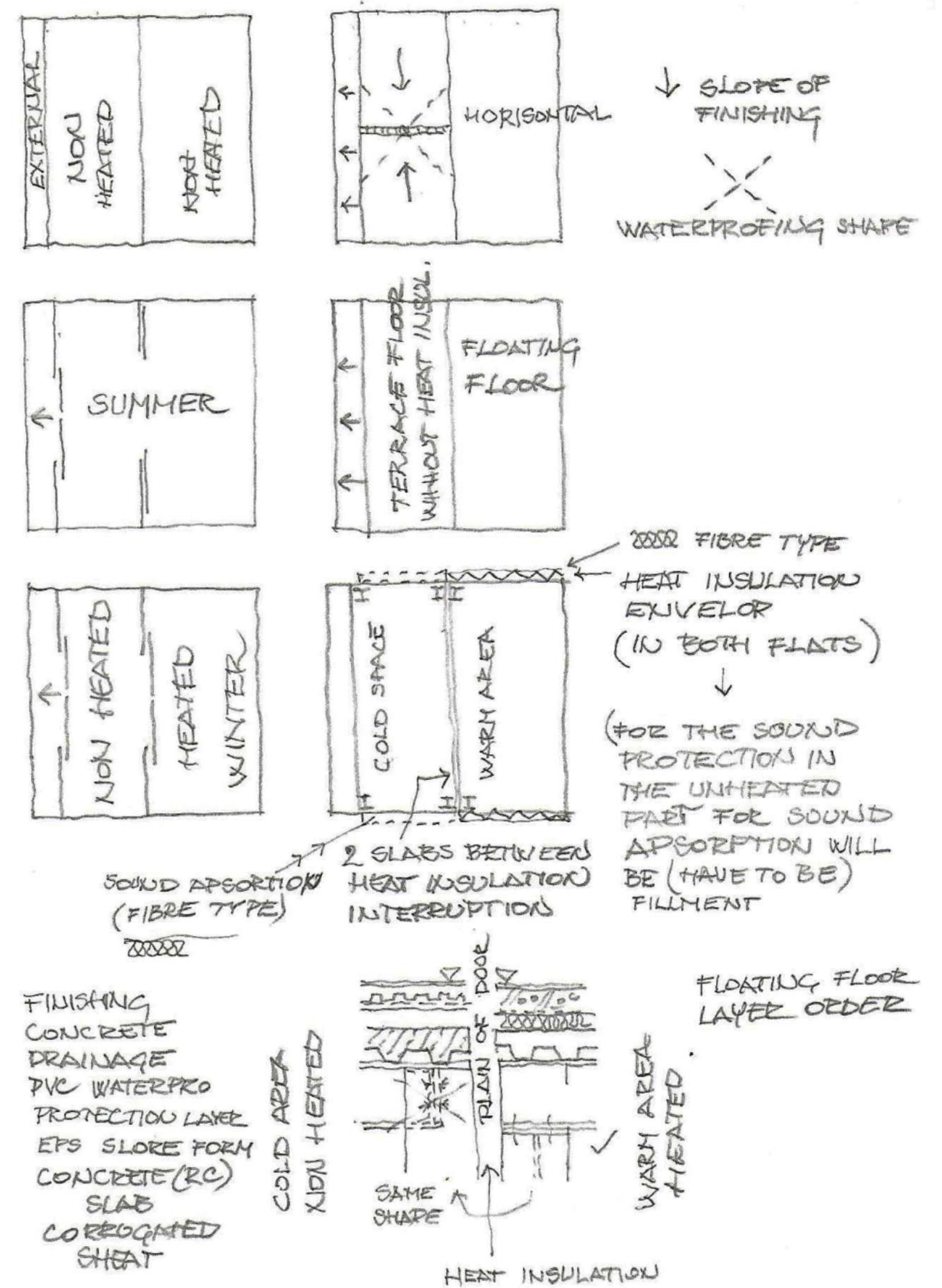
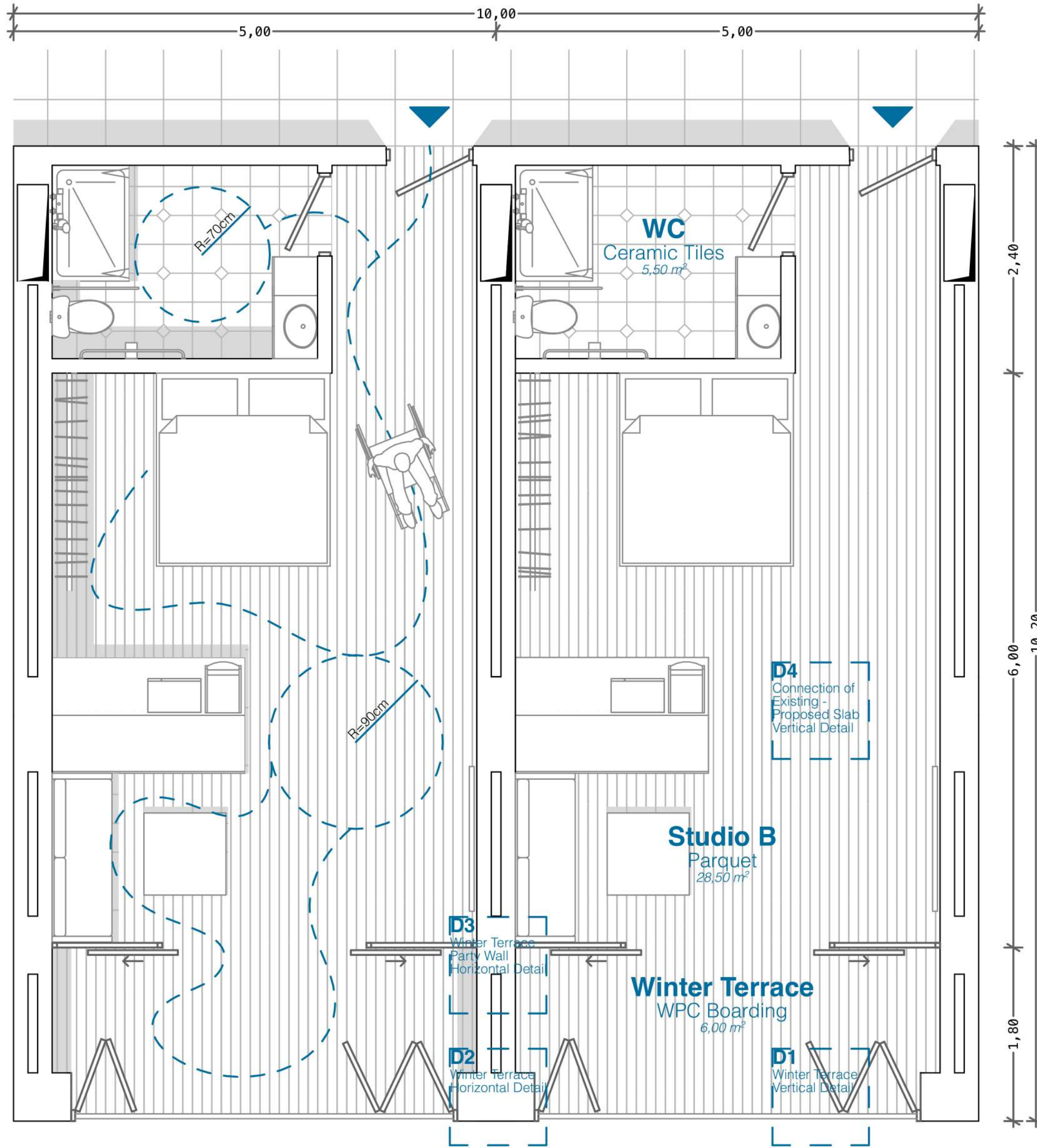
Winter Terrace

The winter terrace design offers a versatile and adaptable living space that allows individuals to change the ambiance and size of their environment according to their preferences. This innovative architectural feature provides the flexibility to enjoy an open terrace during the summer months and transform it into an enclosed, inter-terrace space during the winter, effectively expanding the overall living area.

During the warmer seasons, the winter terrace can be opened up, creating a delightful outdoor space where residents can relax, socialize, and enjoy the surrounding views. With folding panels, the terrace seamlessly integrates with the adjacent living areas, blurring the boundaries between indoor and outdoor spaces. This allows for a refreshing and invigorating living experience.

As the colder months arrive, the winter terrace can be closed off, offering a sheltered and enclosed space. This transition allows residents to maintain a connection with the outdoors while enjoying the comfort and protection from the elements. The enclosed winter terrace can be utilized as an extension of the living space, providing additional room for activities such as reading, hobbies, or hosting gatherings. It effectively enhances the available

living area, accommodating the needs and preferences of the residents during the winter season. The winter terrace design offers a versatile living space that adapts to residents' preferences. It transitions from an open outdoor terrace in the summer to an enclosed inter-terrace during winter, expanding the living area. It seamlessly integrates with the indoors, blurring boundaries, and providing a refreshing living experience.



D1/ Winter Terrace Vertical Detail

- W1**
1,25 cm RIGIPS Gypsum Board
1,25 cm RIGIPS Gypsum Board
10 cm Sound Absorption Layer Fiber Type Sheet
15 cm Thermal Insulation
1 Layer Fiber Mesh
50 mm Vertical Stud
4 cm Air Gap
10 mm Metawall Cladding
- W2**
1,25 cm RIGIPS Gypsum Board
1,25 cm RIGIPS Gypsum Board
10 cm Thermal Insulation
1,25 cm RIGIPS Gypsum Board
1,25 cm RIGIPS Gypsum Board
- F1**
15 mm Wooden Floor With Adhesive
5 mm Self-Leveling Smoothing Compound
70 mm Concrete Screed (Reinforced)
1 Layer PE Foil
60 mm Mineral Wool (Floating Layer)
10 cm Reinforced Concrete
50 mm Steel Trapezoid Sheet
HE 180 Secondary Girder (1,6 m Spacing)
- F2**
30 mm WPC Boarding
40 mm Drainage Sheet
1 Layer Flexible PVC Waterproofing
-6 cm Screed (Inclination Layer)
10 cm Reinforced Concrete
50 mm Steel Trapezoid Sheet
HE 180 Secondary Girder (1,6 m Spacing)
10 mm Metal Sheet Suspended Ceiling

D2/ Winter Terrace Horizontal Detail

- W1**
1,25 cm RIGIPS Gypsum Board
1,25 cm RIGIPS Gypsum Board
10 cm Sound Absorption Layer Fiber Type Sheet
15 cm Thermal Insulation
1 Layer Fiber Mesh
50 mm Vertical Stud
4 cm Air Gap
10 mm Metawall Cladding
- W3**
1,25 cm RIGIPS Gypsum Board
1 Layer Metal Sheet
1,25 cm RIGIPS Gypsum Board
10 cm Sound Absorption Layer Fiber Type Sheet
1,25 cm RIGIPS Gypsum Board
40 mm Air Gap
1,25 cm RIGIPS Gypsum Board
10 cm Sound Absorption Layer Fiber Type Sheet
1,25 cm RIGIPS Gypsum Board
1 Layer Metal Sheet
1,25 cm RIGIPS Gypsum Board
- F2 (Winter Terrace Floor)**
30 mm WPC Boarding
40 mm Drainage Sheet
1 Layer Flexible PVC Waterproofing
-6 cm Screed (Inclination Layer)
10 cm Reinforced Concrete
50 mm Steel Trapezoid Sheet
HE 180 Secondary Girder (1,6 m Spacing)
10 mm Metal Sheet Suspended Ceiling

D3/ Winter Terrace Party Wall Detail

- W3**
1,25 cm RIGIPS Gypsum Board
1 Layer Metal Sheet
1,25 cm RIGIPS Gypsum Board
10 cm Sound Absorption Layer Fiber Type Sheet
1,25 cm RIGIPS Gypsum Board
40 mm Air Gap
1,25 cm RIGIPS Gypsum Board
10 cm Sound Absorption Layer Fiber Type Sheet
1,25 cm RIGIPS Gypsum Board
1 Layer Metal Sheet
1,25 cm RIGIPS Gypsum Board
- F2 (Winter Terrace Floor)**
30 mm WPC Boarding
40 mm Drainage Sheet
1 Layer Flexible PVC Waterproofing
-6 cm Screed (Inclination Layer)
10 cm Reinforced Concrete
50 mm Steel Trapezoid Sheet
HE 180 Secondary Girder (1,6 m Spacing)
10 mm Metal Sheet Suspended Ceiling

D4/ Connection of Existing & Proposed Slab Detail

- F1**
15 mm Wooden Floor With Adhesive
5 mm Self-Leveling Smoothing Compound
70 mm Concrete Screed (Reinforced)
1 Layer PE Foil
60 mm Mineral Wool (Floating Layer)
10 cm Reinforced Concrete
50 mm Steel Trapezoid Sheet
HE 180 Secondary Girder (1,6 m Spacing)
10 mm Metal Sheet Suspended Ceiling
- F3**
15 mm Wooden Floor With Adhesive
5 mm Self-Leveling Smoothing Compound
70 mm Concrete Screed (Reinforced)
1 Layer PE Foil
60 mm Mineral Wool (Floating Layer)
7,5 cm Reinforced Concrete
24 cm Bohn-födém
10 mm Plaster

