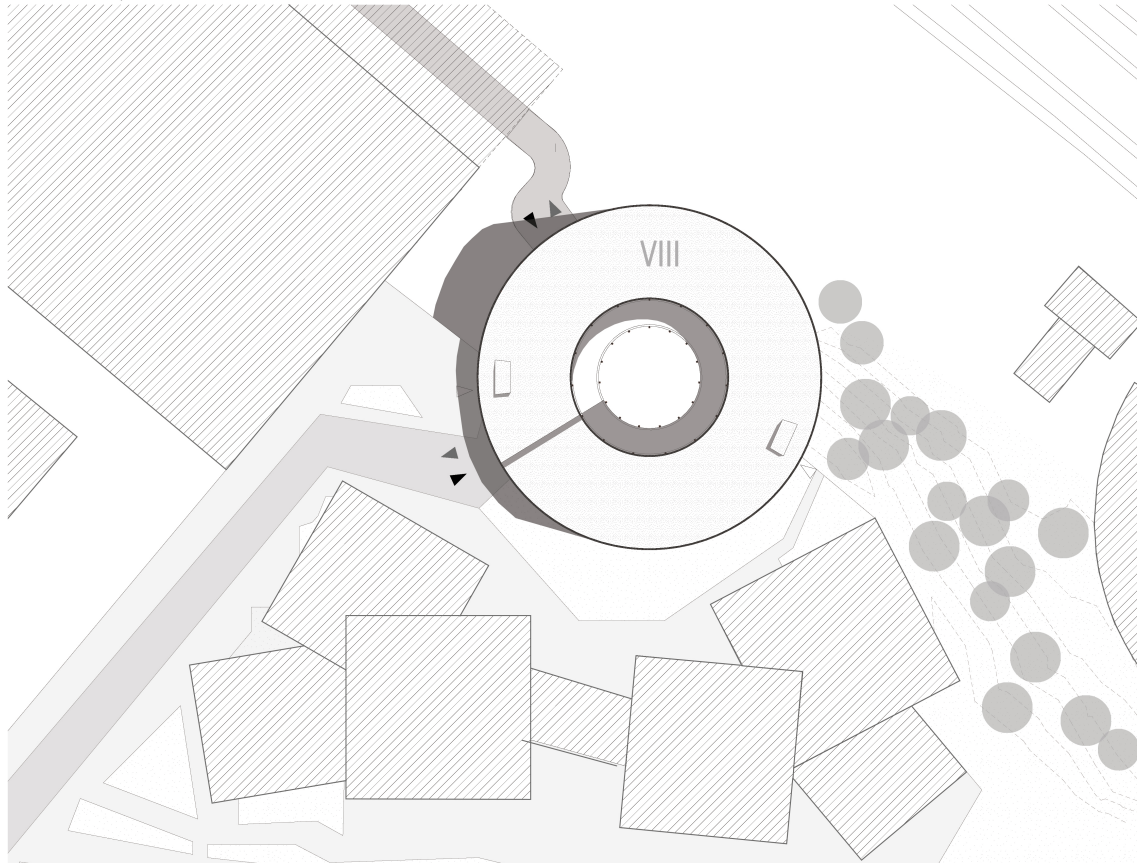


SITE PLAN, scale 1:500



Located at Röntgenvägen 9 in Solna, Sweden, the P-Hus Solna Strand is an 11-storey parking facility designed to provide efficient and accessible mobility solutions for the surrounding office district. The building was inaugurated in March 2016, following the groundbreaking in the summer of 2014, and today offers 870 parking spaces. Among these, 42 are equipped with charging stations for electric vehicles, with infrastructure prepared for an equal number of additional stations in the future.

The circular form of the structure ensures optimal use of space and creates a strong architectural presence that harmonizes with the upcoming office buildings along Tritonvägen and Frösundaleden. Positioned adjacent to the railway tracks, the parking house maximizes visibility while contributing to the urban landscape.

Accessibility has been a central consideration in the design. The facility provides wheelchair-friendly entrances and parking spaces, ensuring inclusive use. Payment is flexible, with options for long-term rental contracts as well as hourly or daily rates.

- LEGEND**
- Building under consideration
 - ▲ Car park exit
 - ▼ Car park entry
 - ▽ Building entry
 - ▭ Surrounding buildings
 - Road
 - ▭ Sidewalks
 - ▭ Grass areas
 - Trees

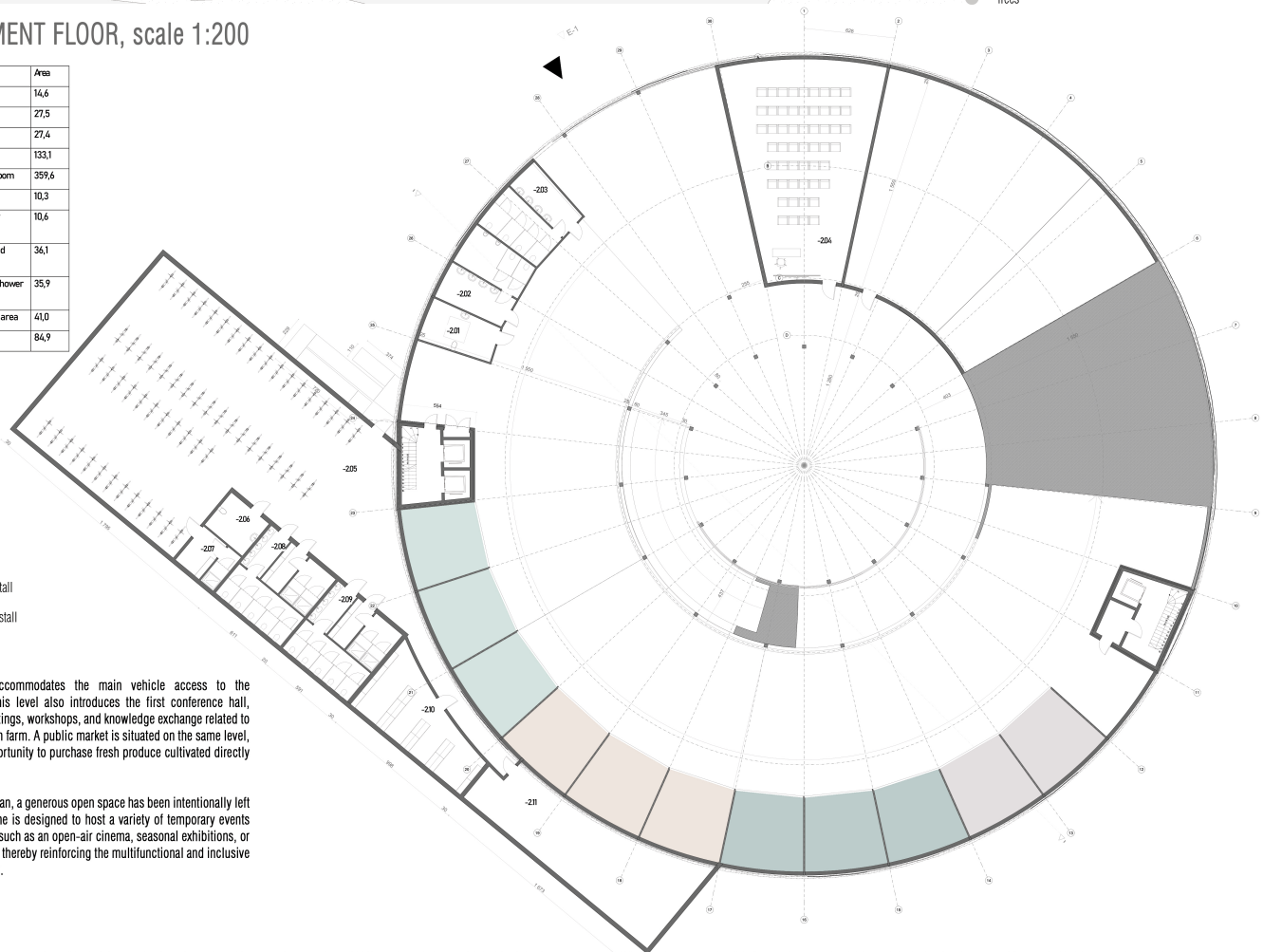
2ND BASEMENT FLOOR, scale 1:200

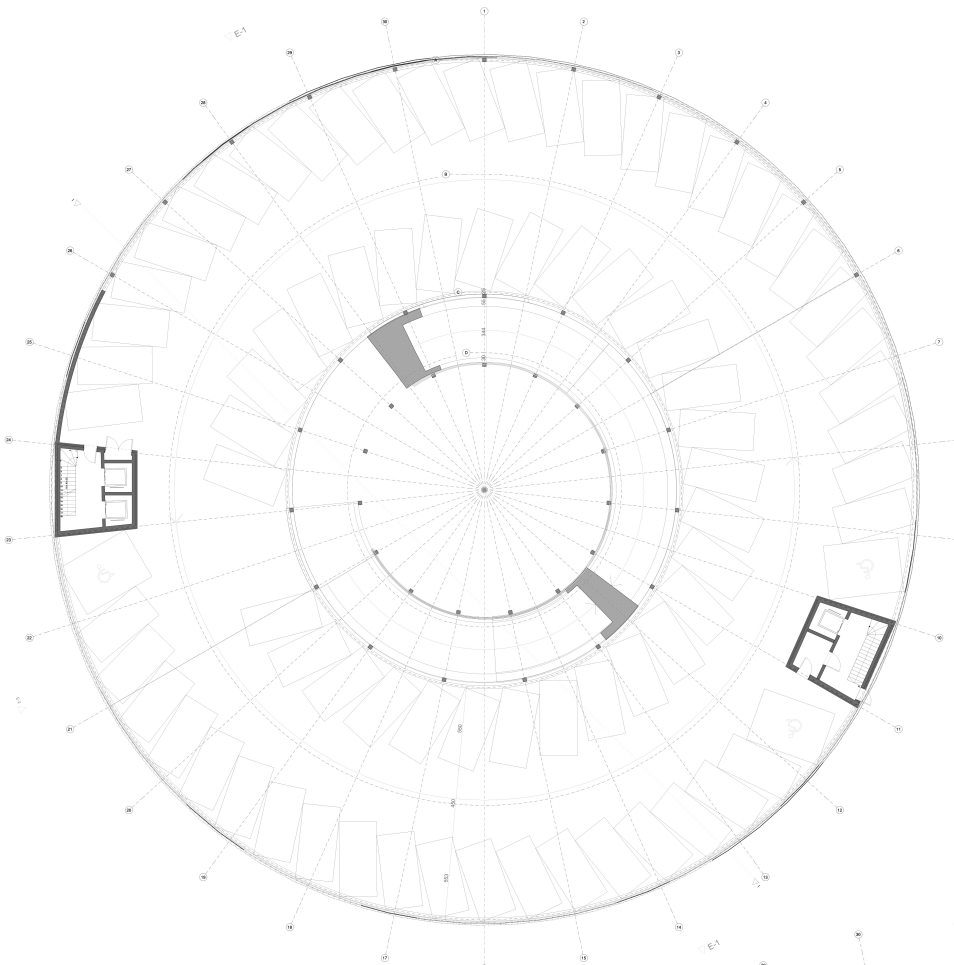
NR	Area designation	Area
-2.01	Accessible toilet	14,6
-2.02	Men's toilet	27,5
-2.03	Women's toilet	27,4
-2.04	Conference room	133,1
-2.05	Bicycle parking room	359,6
-2.06	Accessible toilet	10,3
-2.07	Accessible shower facility	10,6
-2.08	Women's toilet and shower facilities	34,1
-2.09	Men's toilet and shower facilities	35,9
-2.10	Personal storage area	41,0
-2.11	Storage room	84,9

- LEGEND**
- Vegetable market stall
 - Fish market stall
 - Mushroom market stall
 - Storage stall

Basement Level -2 accommodates the main vehicle access to the underground garage. This level also introduces the first conference hall, providing space for meetings, workshops, and knowledge exchange related to the activities of the urban farm. A public market is situated on the same level, offering visitors the opportunity to purchase fresh produce cultivated directly within the building.

At the core of the floor plan, a generous open space has been intentionally left flexible. This central zone is designed to host a variety of temporary events and cultural activities – such as an open-air cinema, seasonal exhibitions, or community gatherings – thereby reinforcing the multifunctional and inclusive character of the building.





1ST BASEMENT FLOOR AND 1ST FLOOR, scale 1:200

Parking has been designed across two levels, Basement Level -1 and Ground Level 1, to provide efficient and user-friendly access. On Level -1, the layout is organized along the main ramp, ensuring smooth circulation and direct access to the building. This linear configuration of parking spaces allows for intuitive navigation, with vehicles entering and exiting in a clear and efficient manner. The ramp system simultaneously provides seamless vertical connectivity, linking the parking with both Level -2 and the upper floors, without interfering with the building's core public and functional areas.

Special attention has been given to accessibility and user comfort. Dedicated parking spaces for people with disabilities are strategically located adjacent to stairwells and staircases. This approach ensures inclusivity and allows all users to benefit equally from the building's facilities.

By situating a large portion of the parking below ground, the design minimizes its visual presence and impact on the surrounding urban context. Meanwhile, the integration of additional parking on Level 1 supports logical traffic distribution and quick accessibility, enhancing the practicality of the overall solution. Together, these strategies allow vehicles to be accommodated in a discreet yet functional way, preserving valuable surface-level space for public use and greenery, while reinforcing the building's sustainable and community-oriented character.

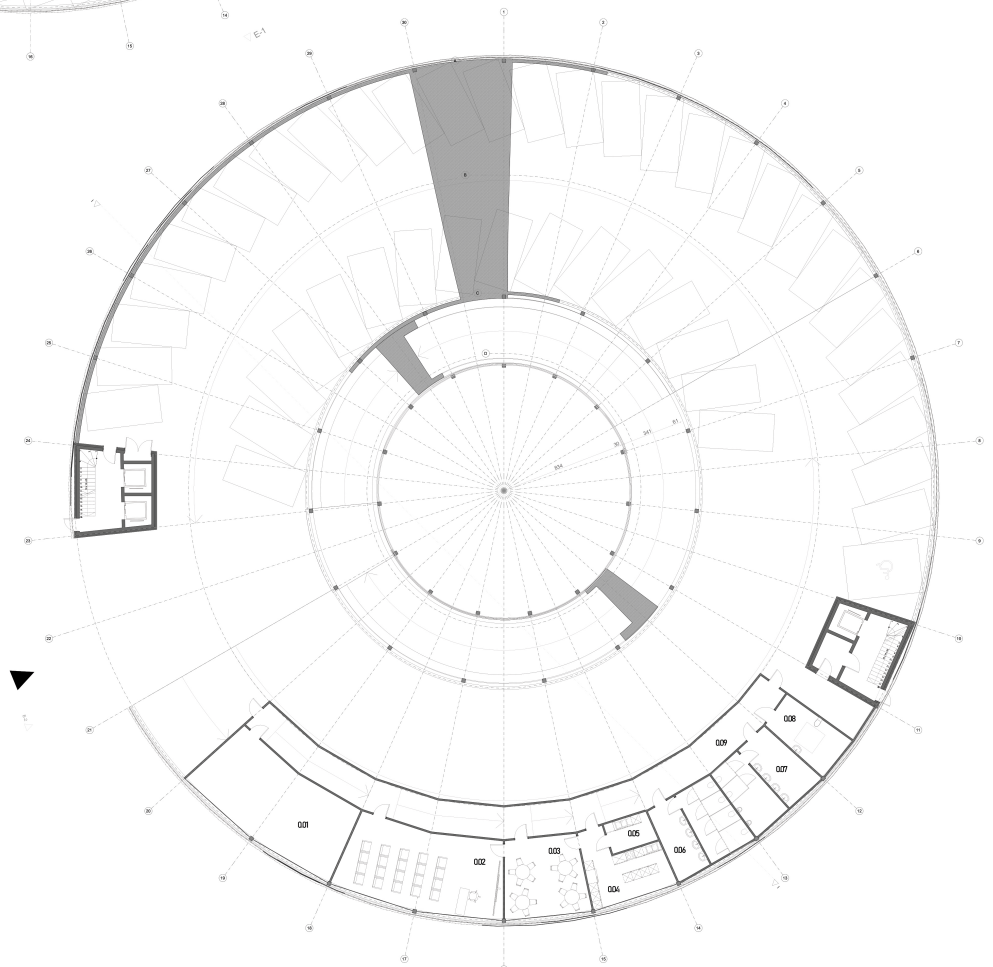
GROUND FLOOR, scale 1:200

On the ground floor, adjacent to the secondary entrance of the building, a smaller internal ramp has been introduced to provide direct access to the conference halls and the exhibition space. This circulation strategy ensures a comfortable transition between different programmatic areas, while also addressing the floor level differences beneath the halls.

The ramp is seamlessly integrated with a central corridor, designed to equalize the interior floor heights and create barrier-free access to the various functions. In this way, visitors approaching from the secondary entrance can move intuitively and without interruption toward the conference and exhibition areas.

The second half of the garage, located on this level, is dedicated to parking spaces for staff and visitors using the garage. This arrangement allows efficient and convenient vehicle accommodation, ensuring that daily users have easy access to the building without interfering with the public and functional spaces.

This layout not only enhances the functional clarity of the ground floor but also emphasizes inclusivity and universal design principles, ensuring that all users can participate in the cultural and professional activities hosted within the building.



NR	Area designation	Area
001	Exhibition room	56,0
002	Conference room	56,0
003	Eating area	27,7
004	Catering preparation	20,8
005	Dishwashing area	6,2
006	Women's toilet	27,3
007	Men's toilet	27,3
008	Accessible toilet	14,7
009	Corridor	84,7



2ND-6TH TYPICAL FLOOR, scale 1:200

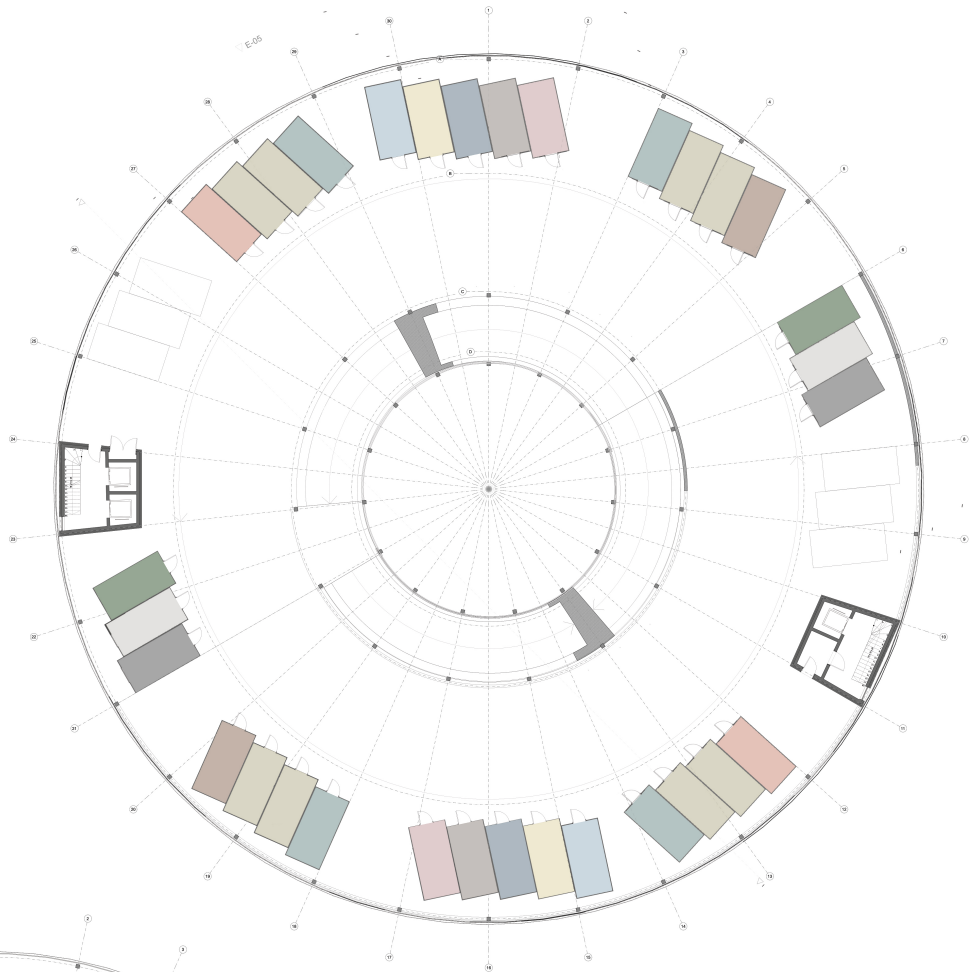
Levels 2 through 6 feature a repeating modular layout, carefully designed to optimize food production within the urban farm. Each floor is organized into a series of production modules dedicated to cultivation, processing, and quality control, ensuring an efficient and consistent workflow throughout the building.

Alongside the production modules, each level includes supporting office spaces, sanitary facilities, and storage areas. Offices provide administrative and managerial functions close to the production areas, allowing seamless coordination between operational and organizational activities. Storage spaces are strategically located to facilitate easy handling of raw materials and finished products, supporting both on-site consumption and commercial distribution.

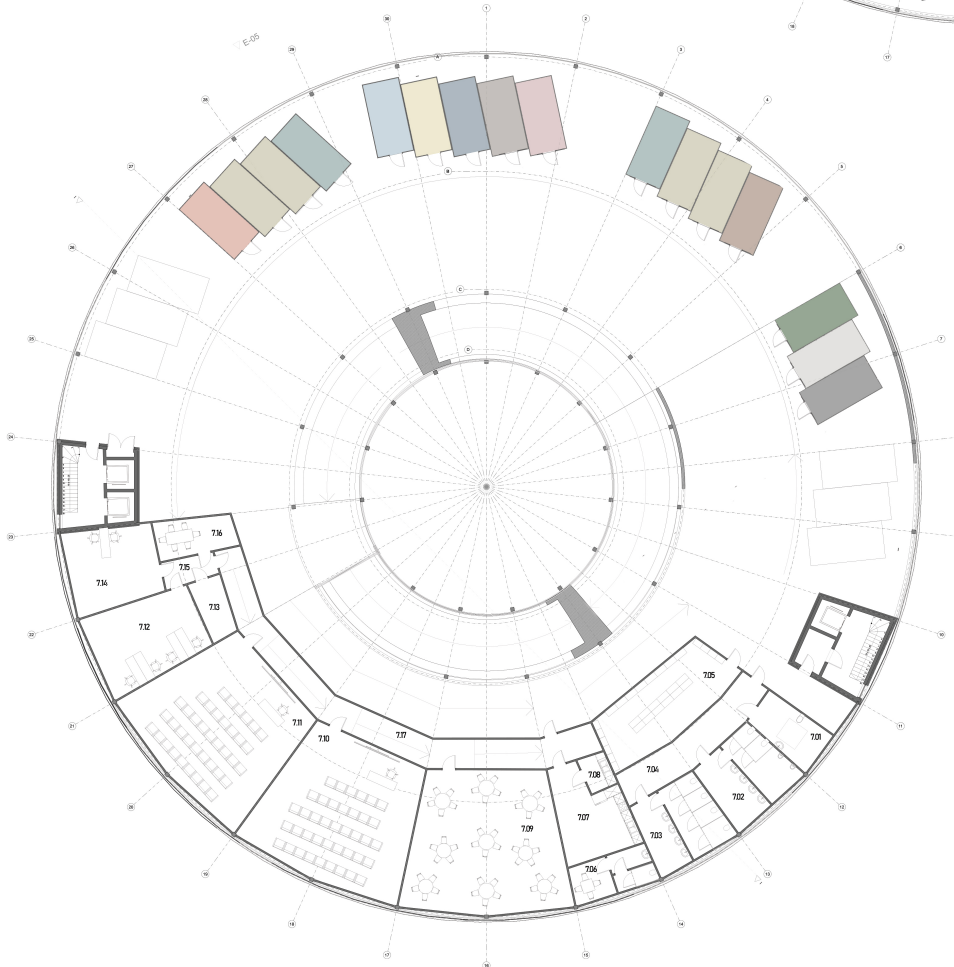
The scale and number of production modules on each floor have been calculated to generate sufficient food output not only for use within the building but also for sale outside the facility, reinforcing the building's role as a productive urban farm. The modular, repetitive arrangement allows for flexibility, easy maintenance, and clear organizational logic, ensuring that the workflow remains efficient even as production scales.

This design approach also promotes spatial clarity and user efficiency. Staff can move effortlessly between offices, production areas, and storage modules, while the structured layout maintains a high degree of operational control. By combining productive, administrative, and storage functions on the same floors, the building achieves a self-contained ecosystem that maximizes both functionality and usability.

The repetition of these floors simplifies construction, maintenance, and supervision, while also creating a cohesive architectural expression across the upper levels. Overall, Levels 2-6 embody a balance between productivity, flexibility, and operational efficiency, ensuring that the urban farm can meet both internal demand and external market needs.



7TH FLOOR, scale 1:200



- LEGEND
- Incubation
 - Control
 - Fruiting
 - Preparation
 - Staff
 - Harvest
 - Growing
 - Fish
 - Fish processing
 - Filtration
 - Bio-battery
 - Storage
 - Propagation
 - Office
 - Social
 - Toilet

NR	Area designation	Area
701	Accessible toilet	14,4
702	Men's toilet	27,3
703	Women's WC	27,4
704	Corridor	25,4
705	Cloakroom	40,5
706	Break room	14,3
707	Storage	25,4
708	Dishwashing area	4,3
709	Eating area	93,1
710	Conference room	93,5
711	Conference room	94,0
712	Staff office	37,9
713	Storage	8,1
714	Director's office	31,5
715	Corridor	5,8
716	Social room	12,5
717	Corridor	56,9

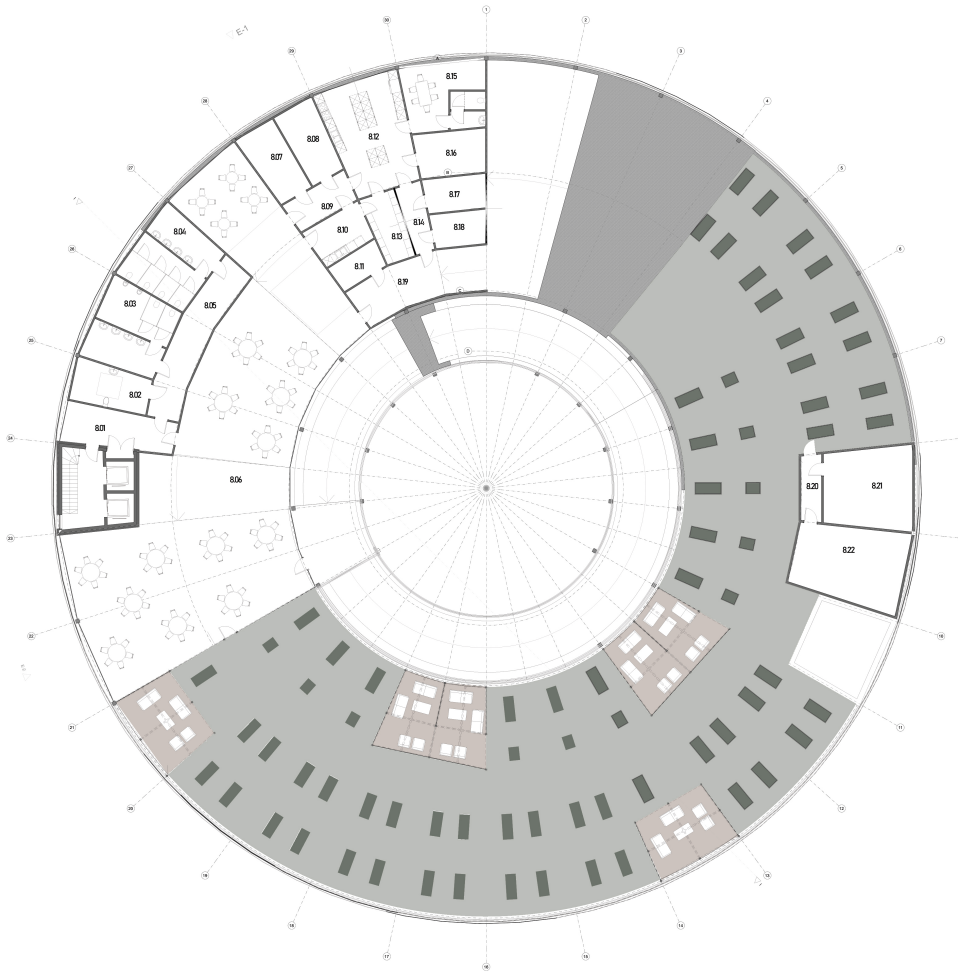
Level 7 is a multifunctional floor that combines administrative, conference, and operational functions. Part of the floor is dedicated to office spaces, providing areas for staff management and administrative activities.

The floor also houses conference halls, complemented by a catering area to support events, meetings, and workshops. In addition, locker rooms are provided to ensure convenience and comfort for staff and visitors using the conference facilities.

Part of Level 7 continues the modular layout found on the production floors below, allowing for additional operational or flexible spaces that can support either office functions or production-related activities as needed. This integration ensures continuity with the building's overall organizational logic while adapting to the multifunctional requirements of the top levels.

The combination of offices, conference spaces, and modular areas creates a versatile environment capable of hosting professional, educational, and community-oriented activities. Circulation and access are designed for efficiency, with easy connections to elevators, stairwells, and other vertical cores, ensuring smooth movement across the floor and between levels.

8TH FLOOR, scale 1:200



LEGEND
 Green roof
 Planter boxes
 Covered seating areas

NR	Area designation	Area
81	Corridor	18,2
82	Accessible toilet	13,6
83	Men's toilet	27,3
84	Women's toilet	27,3
85	Corridor	25,2
86	Restaurant hut	318,3
87	Dessert preparation room	13,5
88	Storage	13,5
89	Corridor	9,6
810	Dishwashing area	10,8
811	Storage	6,5
812	Kitchen	37,9
813	Clean dish storage	10,0
814	Corridor	7,0
815	Social room	23,9
816	Meat and fish preparation room	13,4
817	Storage	9,1
818	Cold room	8,0
819	Corridor	17,7
820	Corridor	6,0
821	Equipment room	30,8
822	Cold storage	35,9

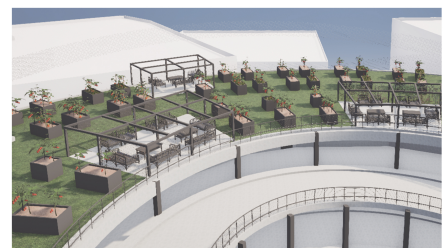
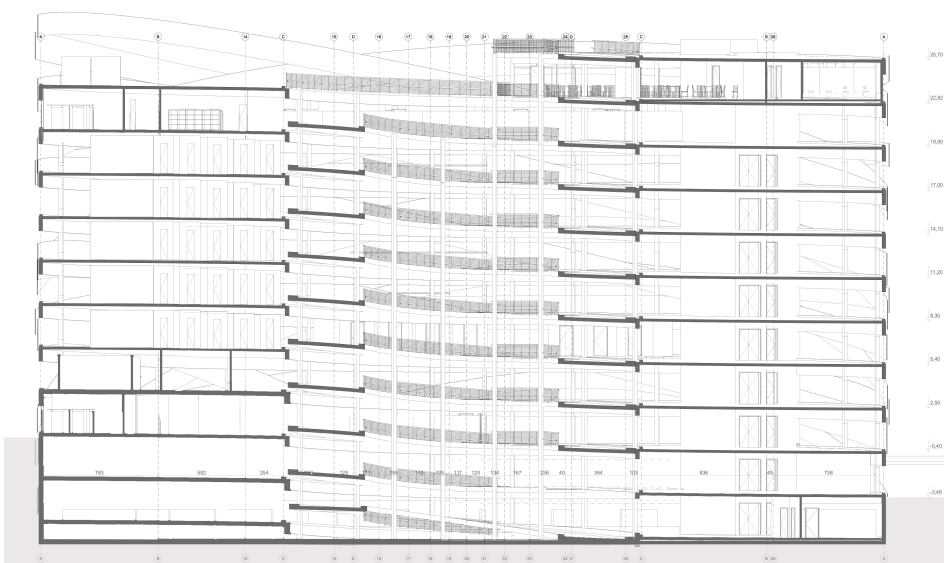
Level 8 serves as a multifunctional destination floor, combining dining, recreational, and urban agriculture elements. The floor features a restaurant, providing visitors and staff with a dedicated space for meals that can showcase fresh produce grown directly within the building's urban farm. This creates a direct connection between food production and consumption, highlighting the building's sustainable and educational mission.

Part of the roof is transformed into a green terrace, carefully designed to accommodate planters with vegetables, a storage area for tools and harvested produce, and several partially covered pavilions. These pavilions provide seating and recreational spaces, offering areas for informal gatherings, leisure, or relaxation in a semi-outdoor environment. The rooftop garden also functions as an educational and demonstrational space, illustrating urban agriculture principles and sustainable practices to visitors and staff alike.

The circulation is thoughtfully integrated, ensuring easy access from the main vertical cores, so that visitors, staff, and diners can reach both the restaurant and rooftop garden efficiently. By combining productive, recreational, and social functions in one cohesive space, Level 8 strengthens the building's identity as a sustainable, multifunctional hub.

Overall, this floor emphasizes the holistic integration of production, leisure, and community interaction. It serves as a culmination of the building's vertical program, offering a space where food production, administration, education, and recreation converge, while providing an inspiring environment for both work and leisure.

SECTION I-I, scale 1:200





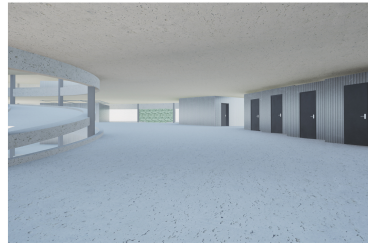
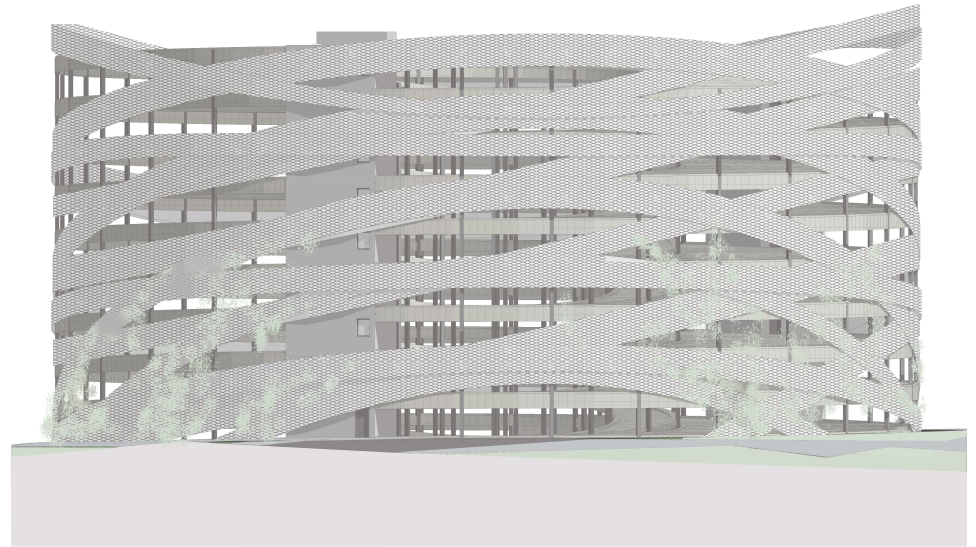
SOUTHWEST ELEVATION, scale 1:200

The south-west elevation reveals the building's character beginning at Ground Level, where the main vehicular entrance is clearly visible. This access point anchors the base of the façade, ensuring functionality while integrating smoothly into the overall composition.

The façade is wrapped in a lightweight mesh structure, a design element already introduced in the original version of the project. In the updated concept, however, this mesh becomes a support for vertical greenery, allowing vegetation to climb and envelop the building. The result is a dynamic, living skin that softens the architectural expression, reduces the visual dominance of structural elements, and creates a strong connection with nature.

The introduction of green façades brings multiple benefits: shading of the interiors, natural cooling, improved microclimate, and the visual integration of the building with its surroundings. As the greenery matures over time, the elevation will gain a layered, textured character, reinforcing the identity of the building as both a productive urban farm and a socially engaging public space.

The south-west façade therefore acts as a mediator between functionality and ecology: it accommodates the practical requirements of vehicular access at ground level while simultaneously presenting a sustainable, inviting, and vibrant architectural expression above.



NORTHWEST ELEVATION, scale 1:200

The north-west elevation retains the lightweight mesh envelope introduced in the original design, which now serves as a structural framework for climbing vegetation. Over time, this vertical greenery transforms the façade into a living surface, softening the architectural expression, enriching its texture, and reinforcing the ecological character of the building.

This elevation reveals the lower levels of the structure, including Basement Levels -2 and -1. At Level -2, the main vehicular entrance to the building is clearly visible, marking the functional integration of circulation with the architectural form. The mesh and greenery partially screen the access point, reducing its visual impact while maintaining ease of use and clarity of orientation.

By combining infrastructural functions with a sustainable façade system, the north-west elevation demonstrates the project's dual ambition: to provide efficient and accessible circulation for vehicles, while simultaneously promoting a green, environmentally responsive architectural identity. The interplay between structure, vegetation, and program ensures that even the most technical elements of the building are seamlessly integrated into its overall urban presence.

