



ARCHIPELAGO

A CLUSTER OF LIVING ROOMS FOR THE CITY

Archipelago is a connector of the two major regions of Thessaloniki - South and North. Located in the center of the city, this new urban amenity transforms the site into a crucial node for connecting the elements around: universities, cultural spaces, historical buildings, the mountains and the sea.

The design is formed with a diverse range of spaces and qualities both interior and exterior. A collection of "living rooms" for the city each with different use and functions. The spaces are designed to operate continuously all year around - quickly adapting to the change in weather and the change in usage. The existing urban routes and axes flow through site perpetuating a new type continuity.

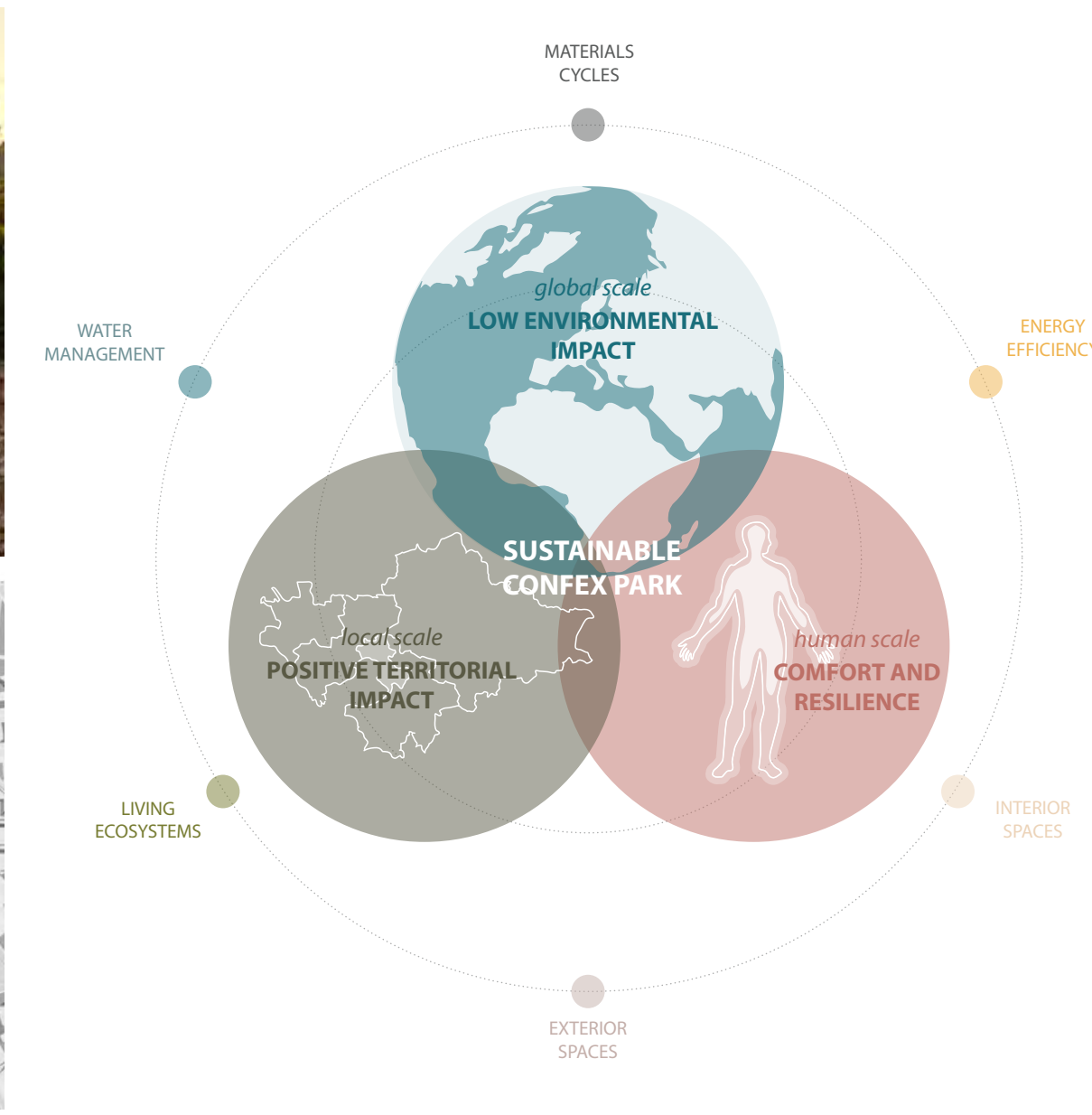
Thessaloniki is characterized by a vibrant urban network of diverse spaces for interaction and leisure. Archipelago proposes to continue this rich quality within TIF Site. A network of islands are connected together with a single continuous canopy. This element of the park binds the whole site together into a continuous public space blurring elements of retail, commercial, leisure, culture and fitness into a single innovative urban typology.

At the core of Archipelago is a carefully calibrated network that creates a flow of energy and resources allowing the building systems to operate in high standards of sustainability. A combination of passive and active systems allow the landscape and architecture to co-exist and positively respond at three scales: global, local and human.

ARCHIPELAGO IN THE CITY



SUSTAINABILITY STRATEGY



TERRITORIAL ECOLOGICAL CONNECTIONS

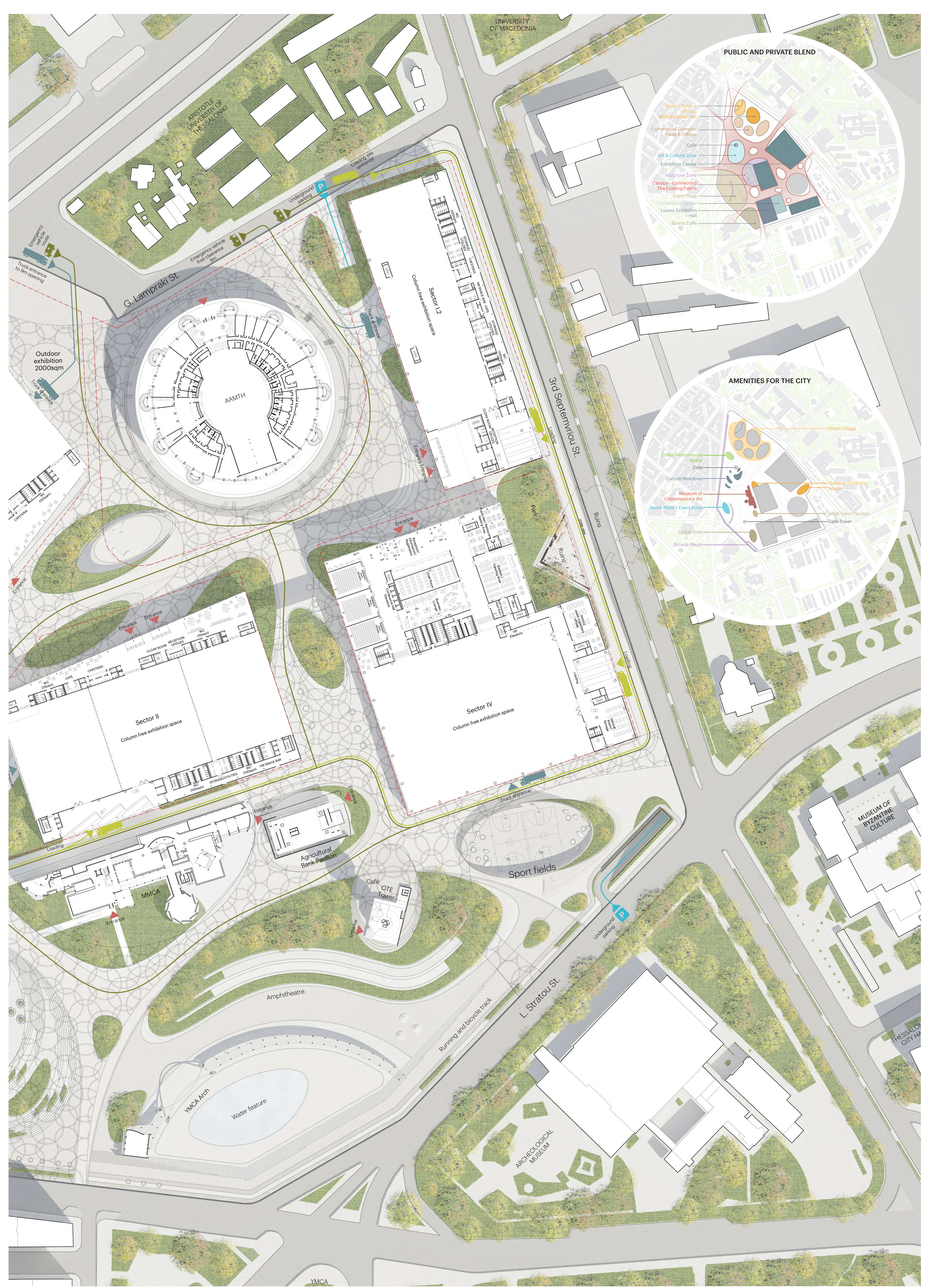


AERIAL VIEW FROM YMCA SQUARE

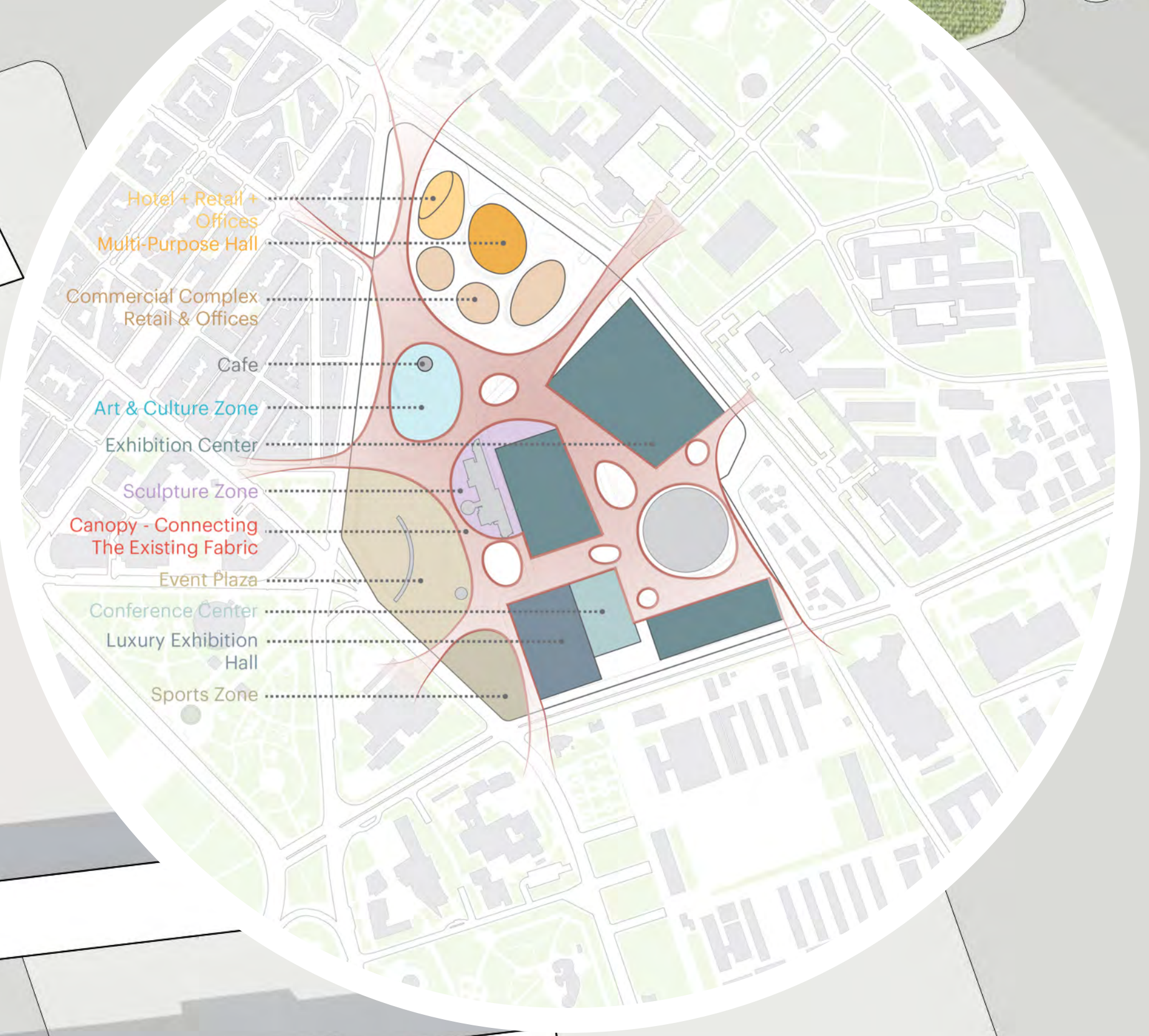




OVERALL GROUND FLOOR PLAN
SCALE: 1:500



PUBLIC AND PRIVATE BLEND



AMENITIES FOR THE CITY



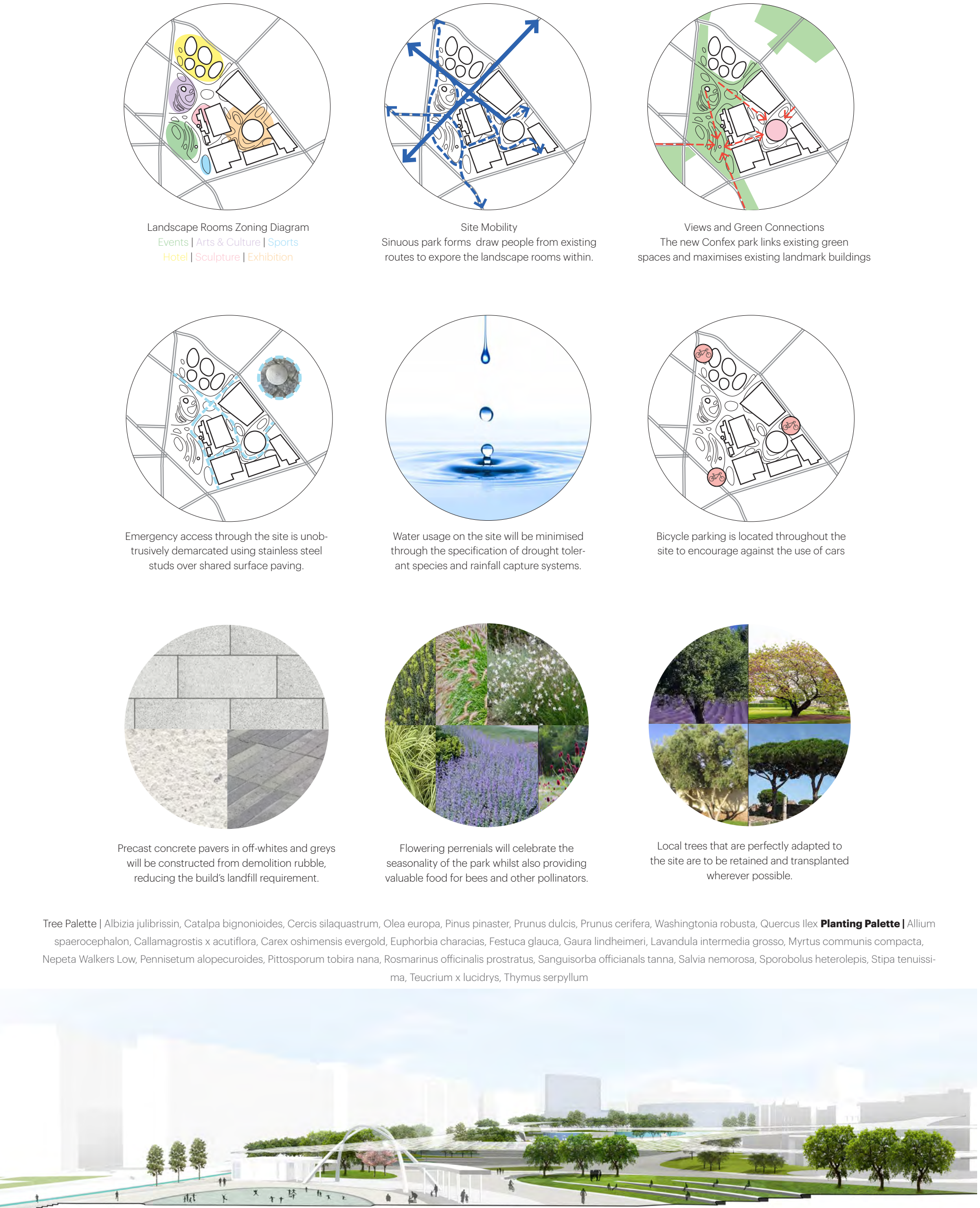
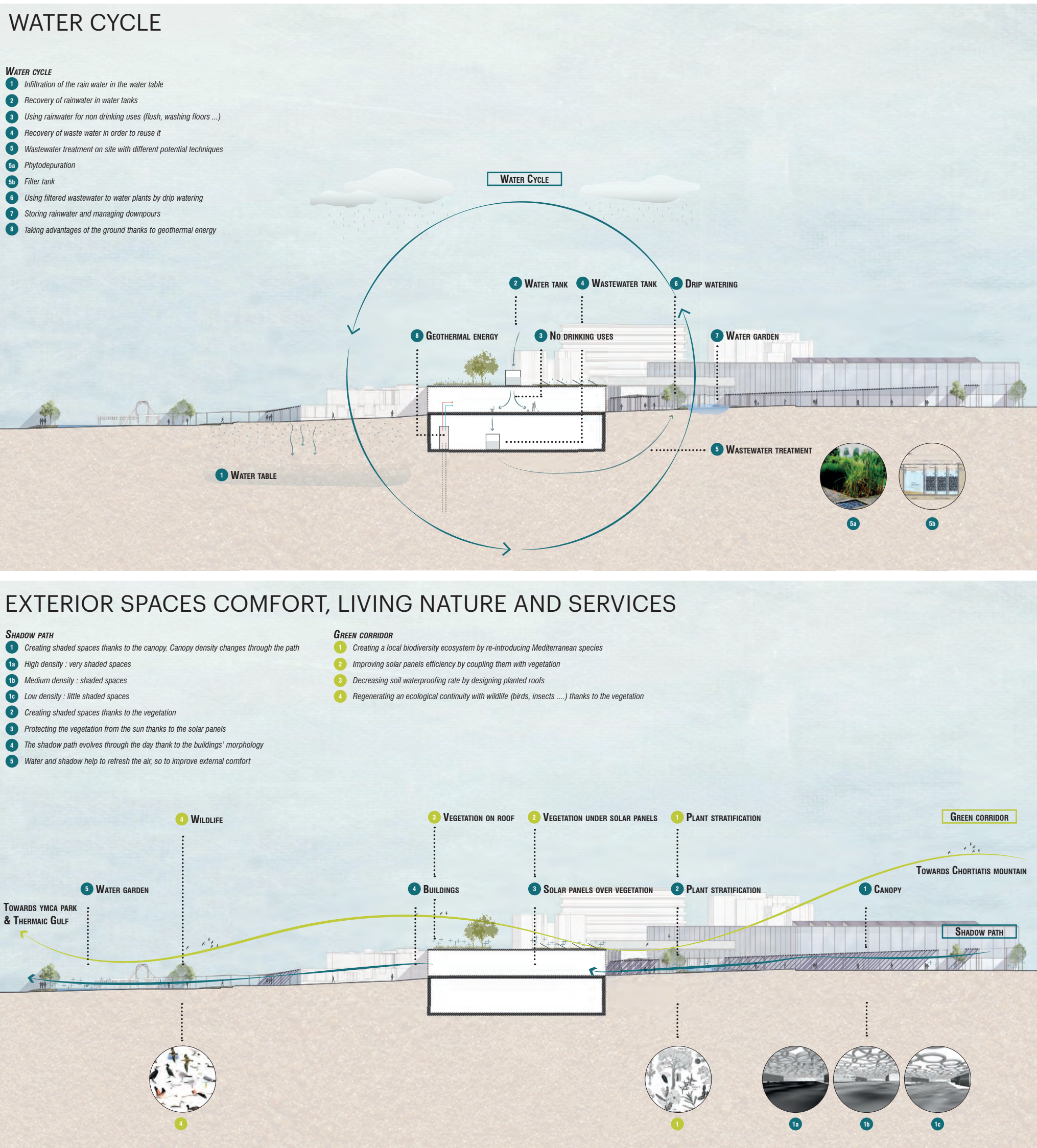
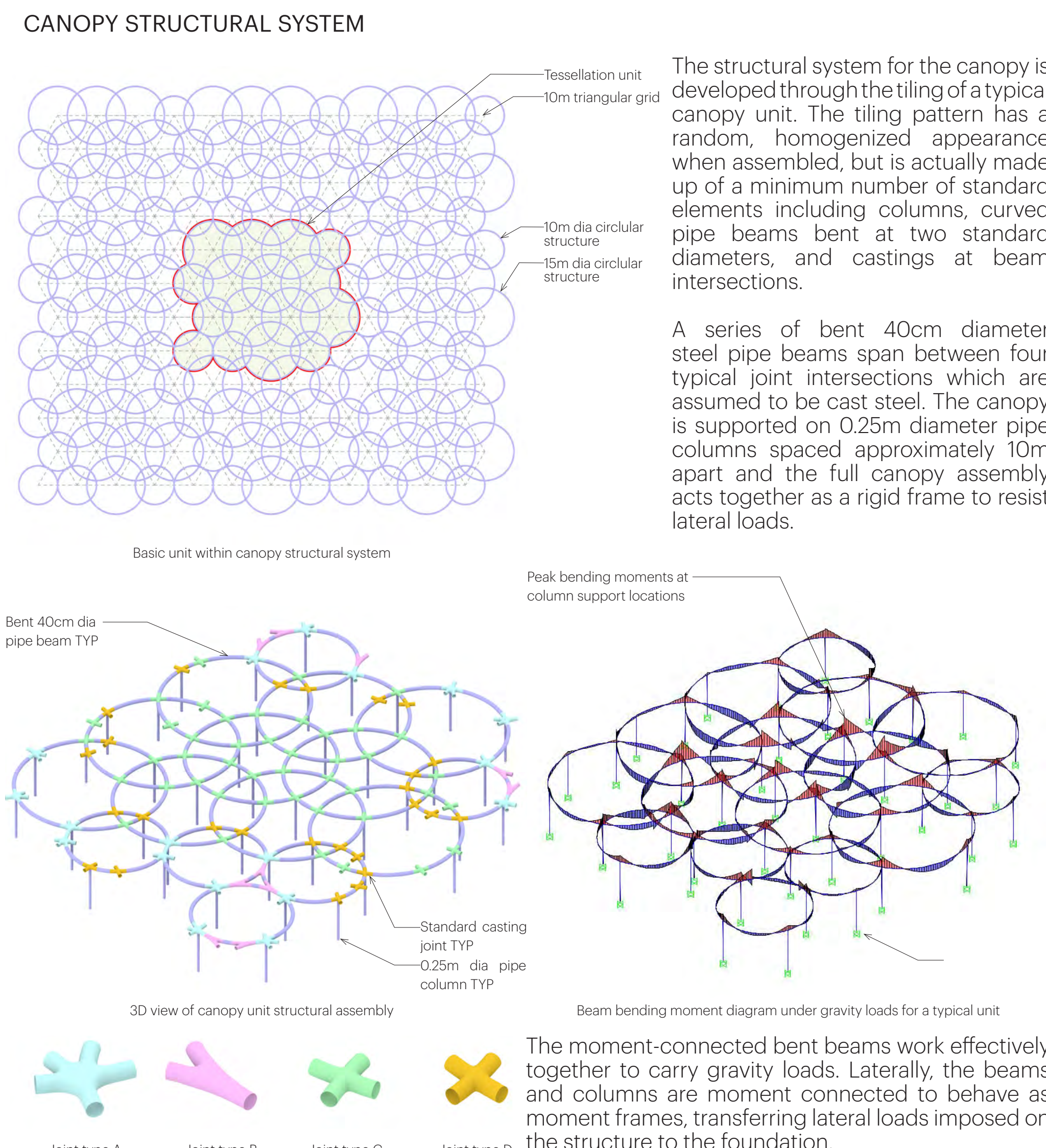
OVERALL GROUND FLOOR PLAN
SCALE: 1:500



PUBLIC PARK SECTOR 5

Thessaloniki Confex park will stitch the fabric of this creative to display or perform their craft. Intimate stages nestled within the landscape will host painting lost pedestrian routes between city and sea and ever-evolving public events, offerings and activities terrace lawns offer families a place to unwind and relax whilst offering elevated views of the activities the landscape upgrades the surrounding street-beyond. Thessaloniki is a dynamic city, and with its many universities, a well-known centre for learning and development, the arts and cultural island will enhance this by providing opportunities for local

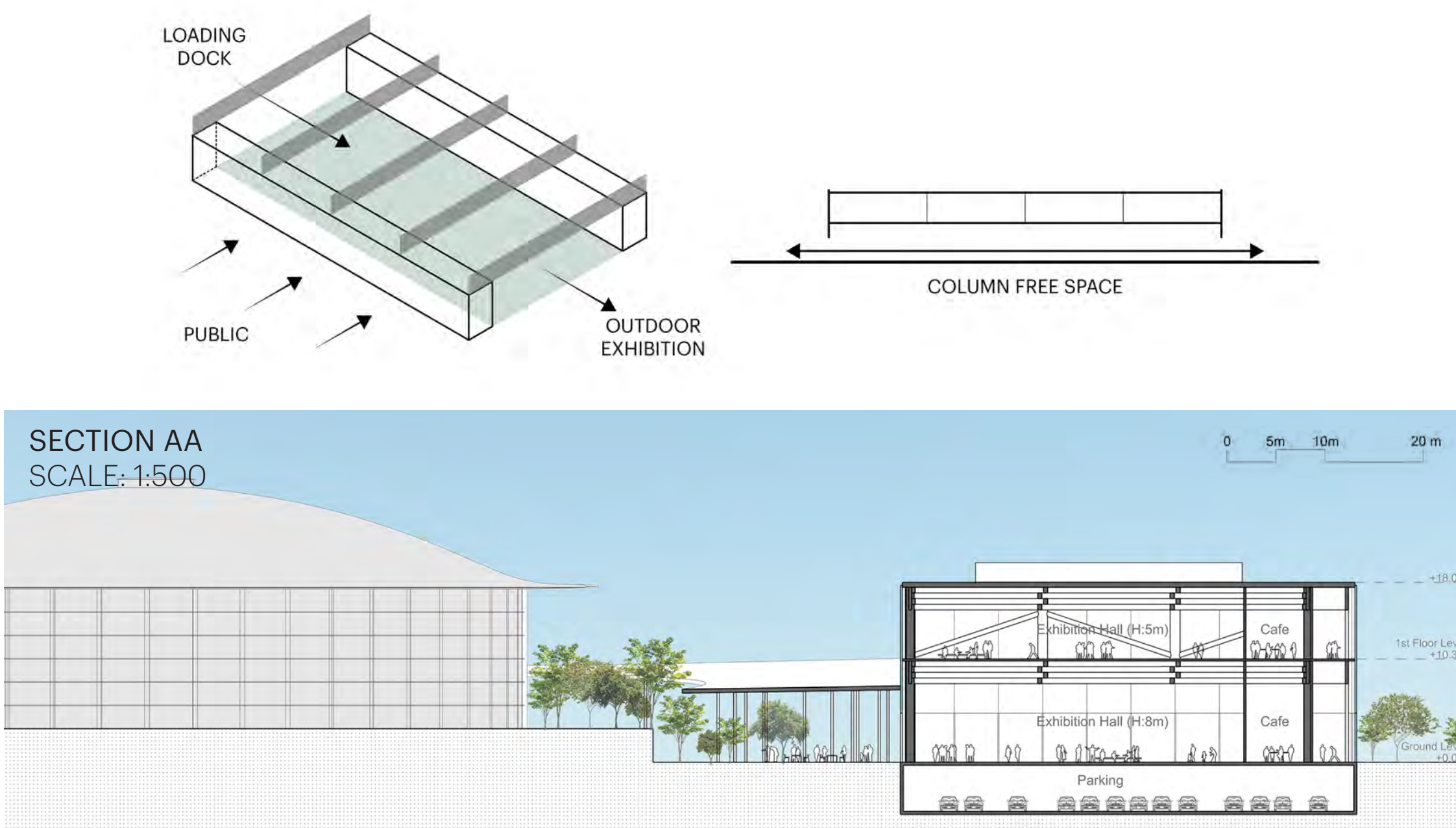
While engaging the outdoor exhibition areas, the fluid open space provides large flexible stages for plaza or ice-rink, depending on the season. Adjacent best suited for a dynamic community. In addition, the landscape upgrades the surrounding street-beyond. Thessaloniki is a dynamic city, and with its many universities, a well-known centre for learning and development, the arts and cultural island will enhance this by providing opportunities for local



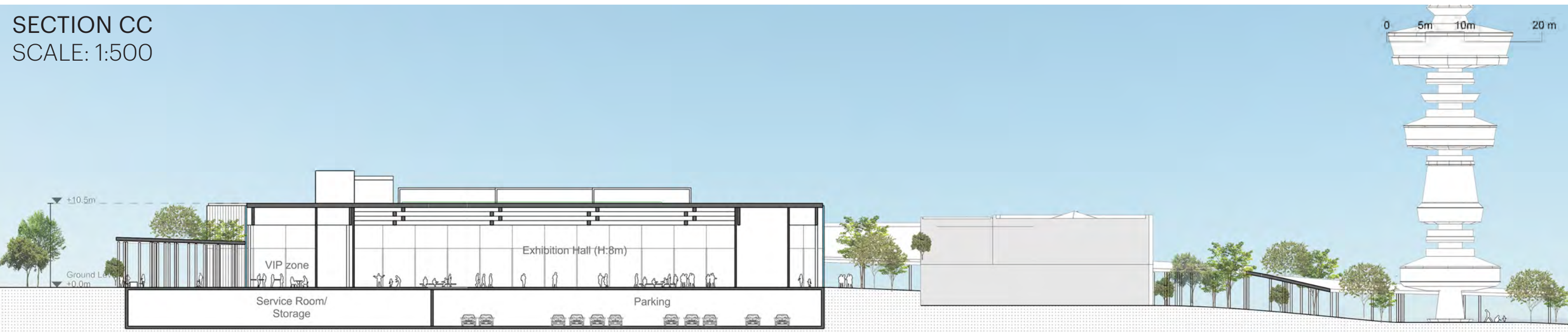
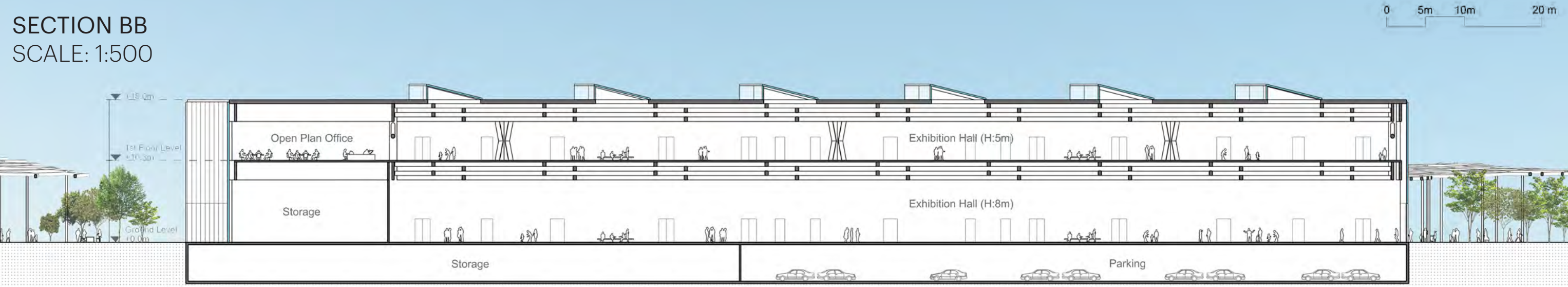


EXHIBITION CENTER
SECTOR 1 AND 2

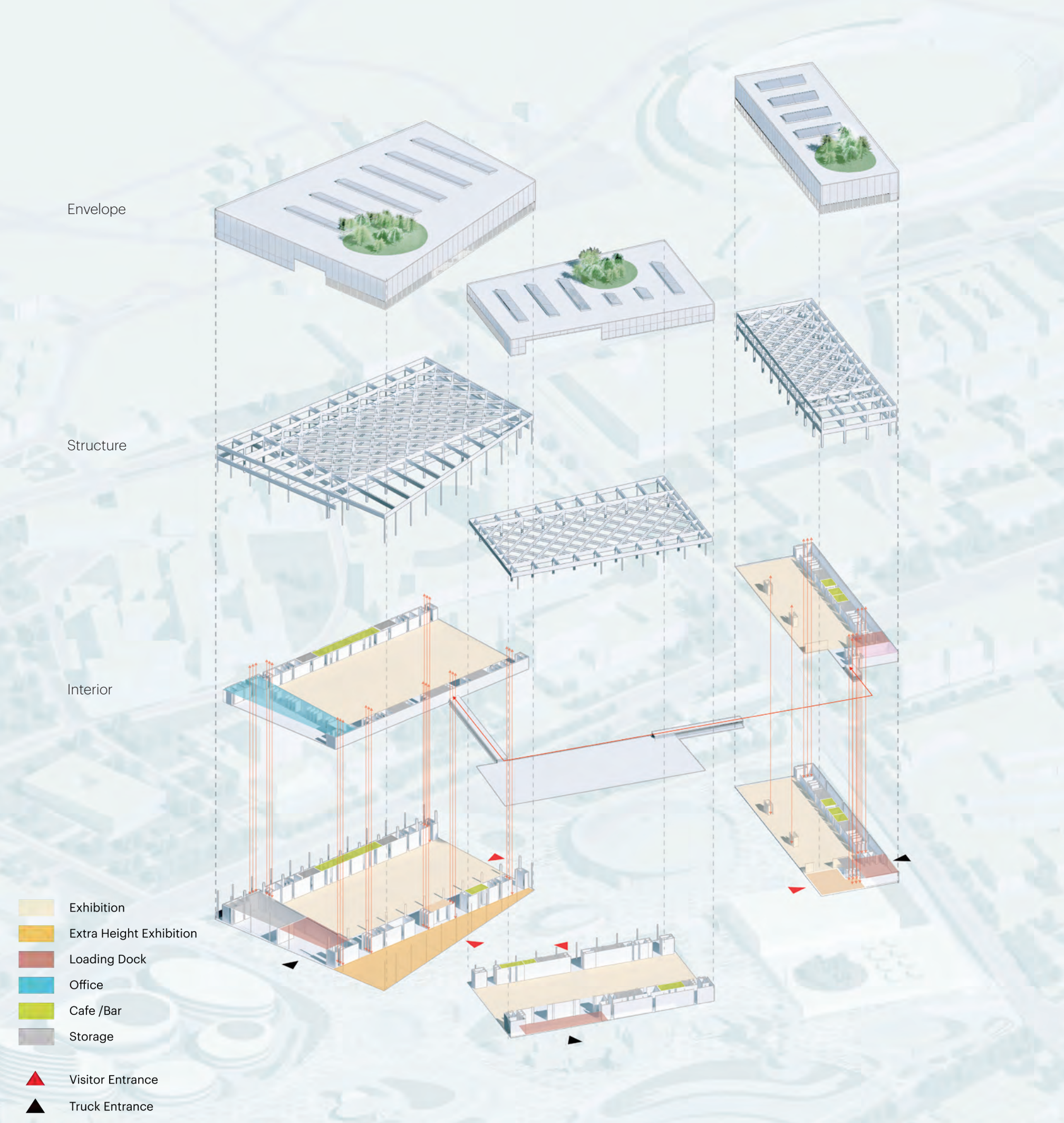
The Exhibition Center is designed as the most functional and flexible work of architecture. It will provide a timeless state-of-the-art showroom. Expressed through a minimal envelope the buildings use a sophisticated and innovative structural system to achieve large spans without any columns. This effort is used to establish a generous uninterrupted space for exhibitions sandwiched by two volumes of leisure, support and circulation spaces. The exhibitions are always connected to the outside using massive sliding doors that allow the interior exhibition to be seamlessly integrated with the outdoor programs. This system opens up more possibilities for exhibitions and event types by extending. This achieves a all-year round exhibition calendar making use of the always beautiful weather in the region.



UPPER FLOOR EXHIBITION SPACE



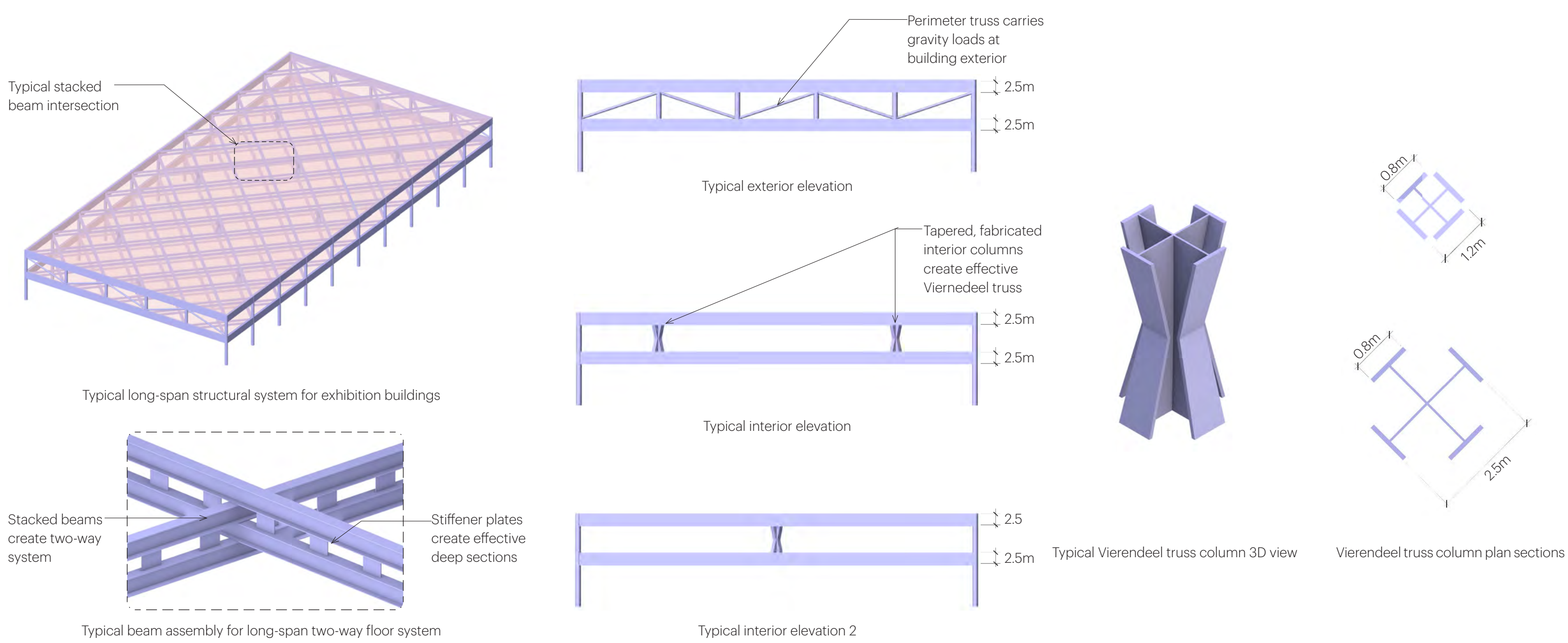
PROGRAM AND CIRCULATION COMPONENTS



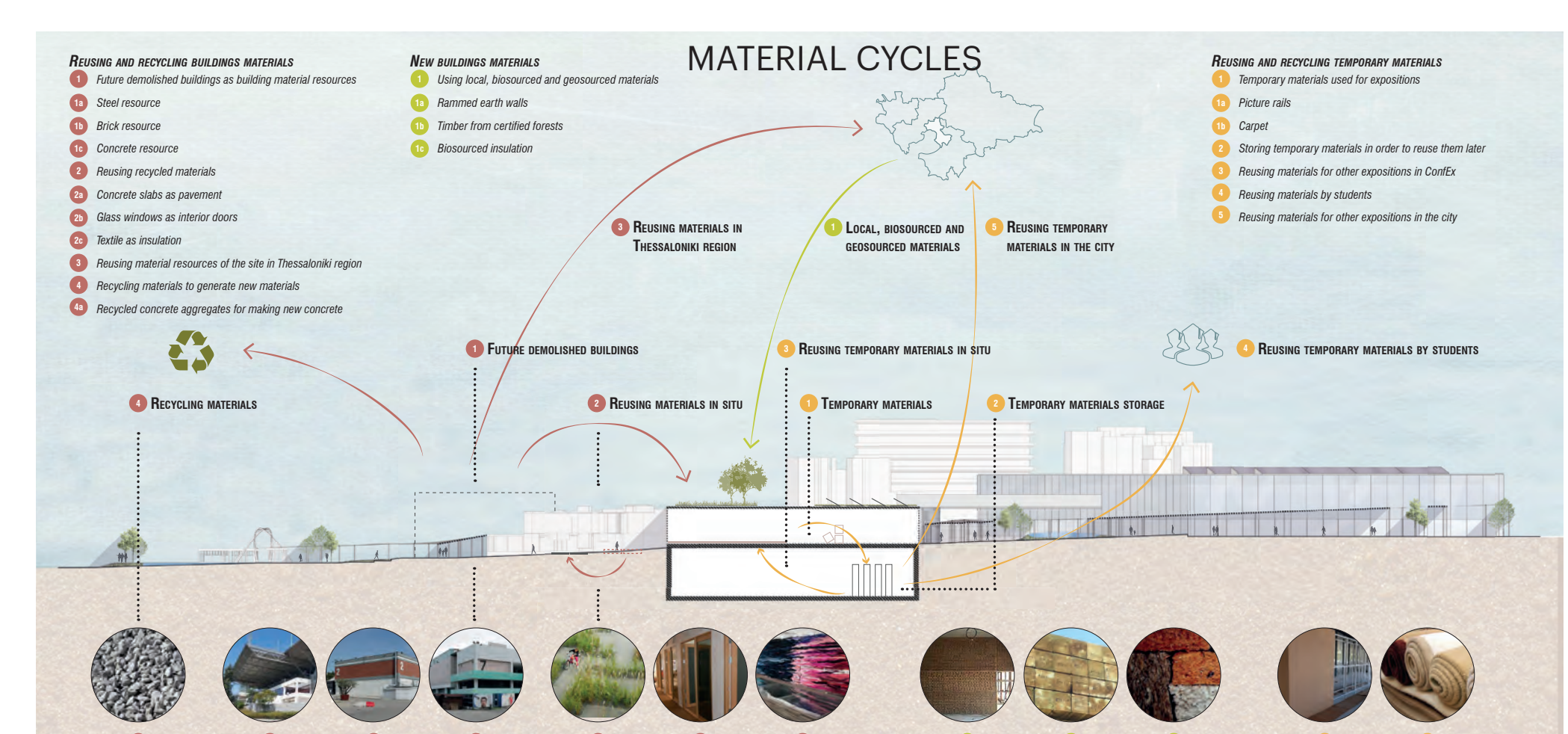
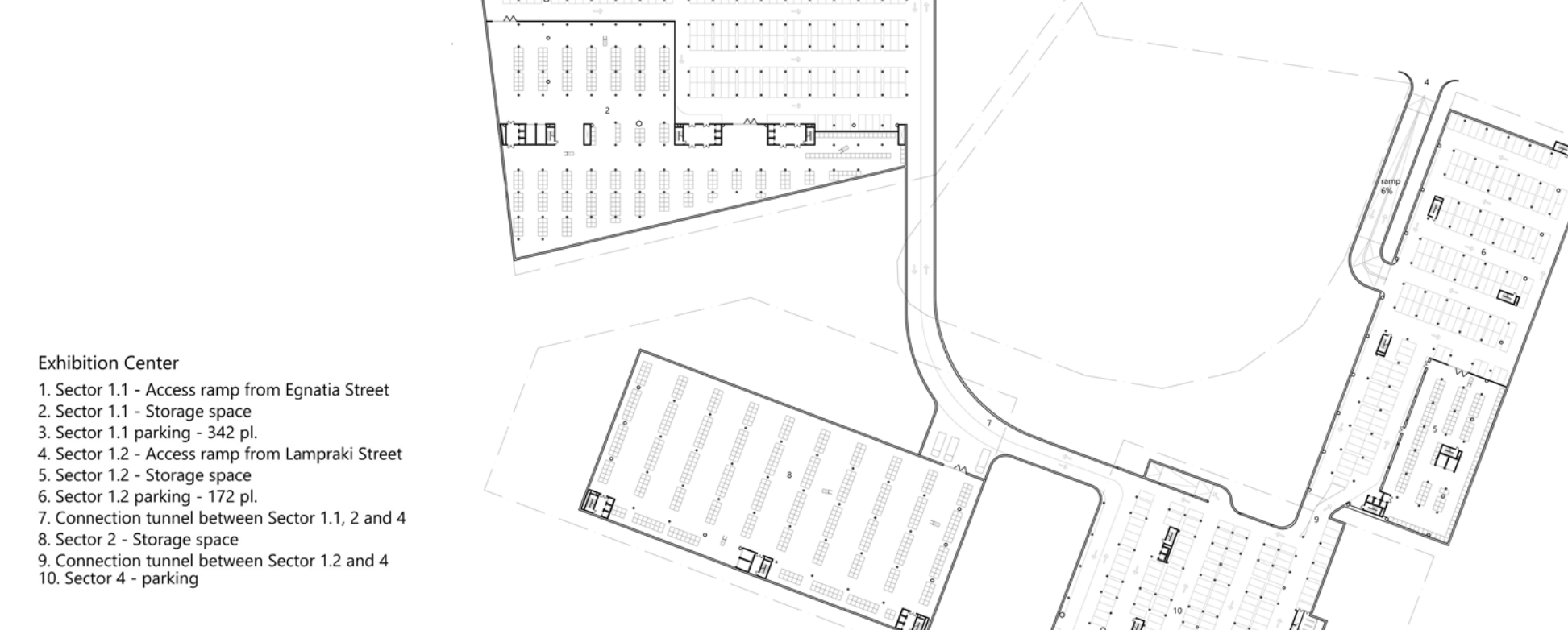
EXHIBITION HALL STRUCTURAL SYSTEM

Each of the exhibition buildings features a dramatic, long-span structure to create a flexible, open floor plan that can accommodate different future uses. To minimize the structural depth, a system of stacked, interwoven wide flange beams, tied together with stiffener plates, effectively create a two-way span floor system with limited structural steel.

A limited number of columns span between the ground and the roof or the ground and the second level. For sectors 1.1 and 1.2 where a clear span is desirable at the ground level, a series of fabricated, tapered columns turn the full structure into a Vierendeel truss that allows for a clear span below. The columns are tapered to increase the section size at the top and bottom where the structural need is greatest. Each of the exhibition buildings has a series of concrete cores at the perimeter of the long-span structure to complete the building lateral system.



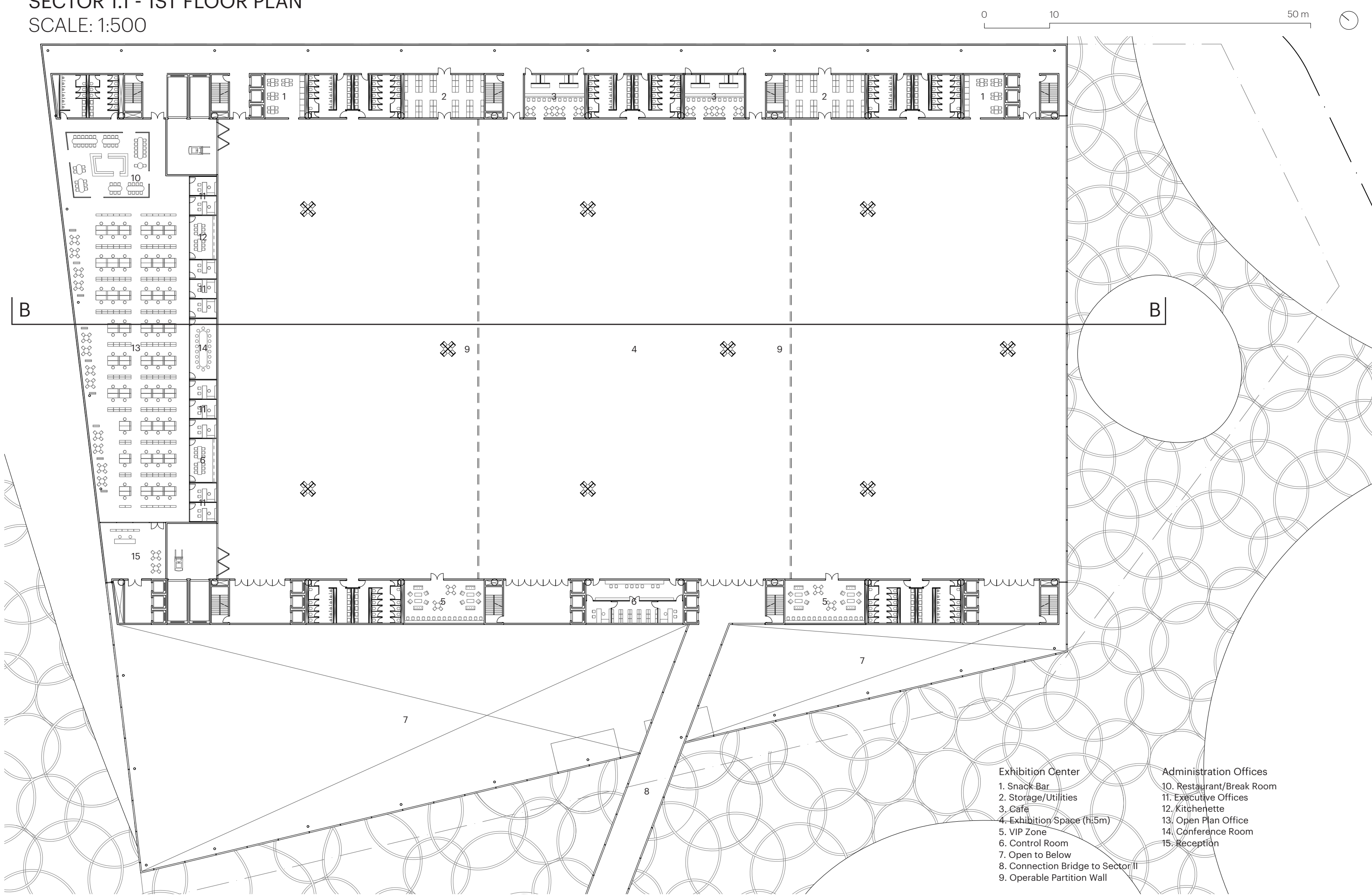
EXHIBITION CENTER BASEMENT -1
SCALE: 1:2000



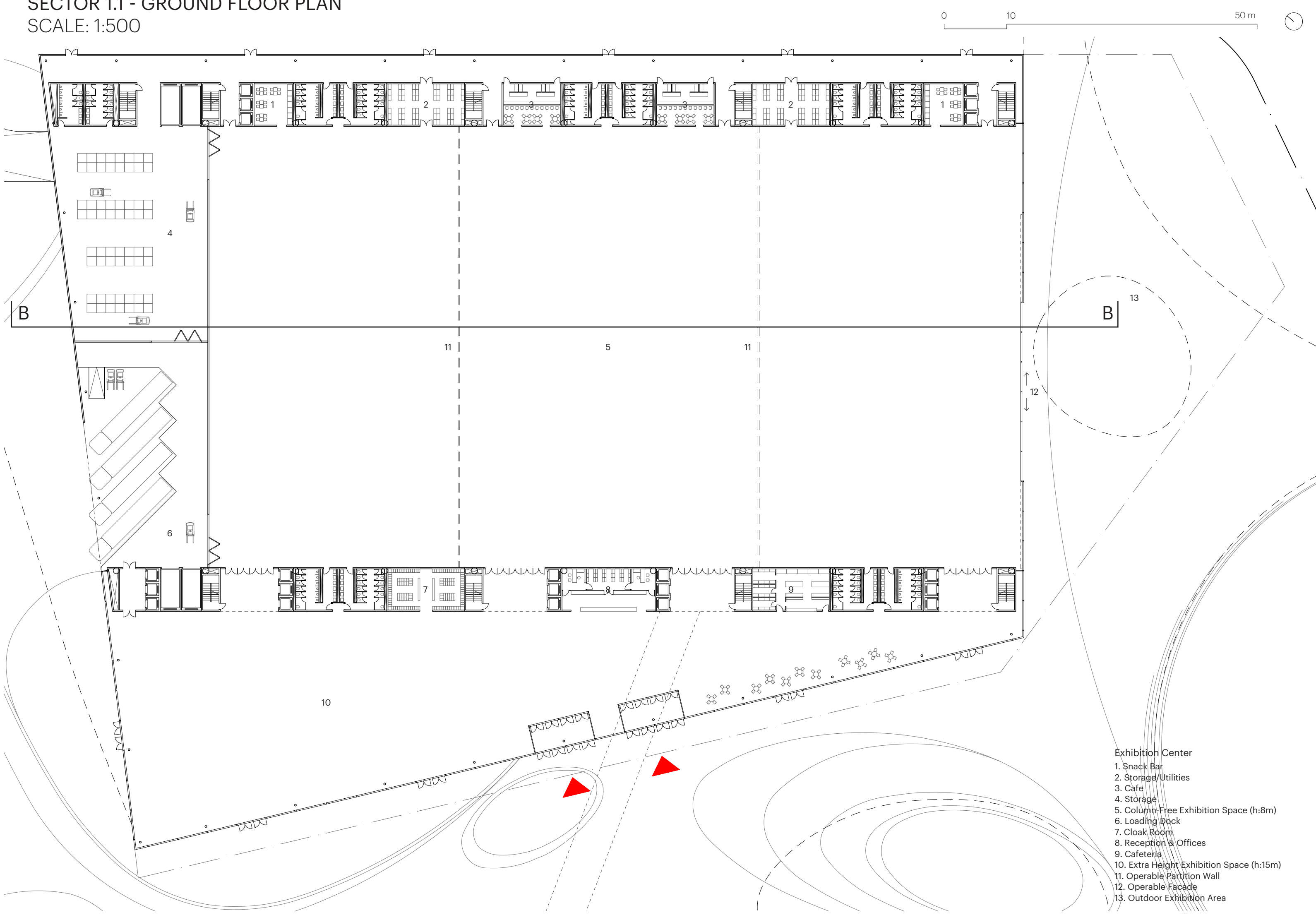
INDOOR EXHIBITION AREA CONTINUING OUTDOOR



SECTOR 1.1 - 1ST FLOOR PLAN
SCALE: 1:500



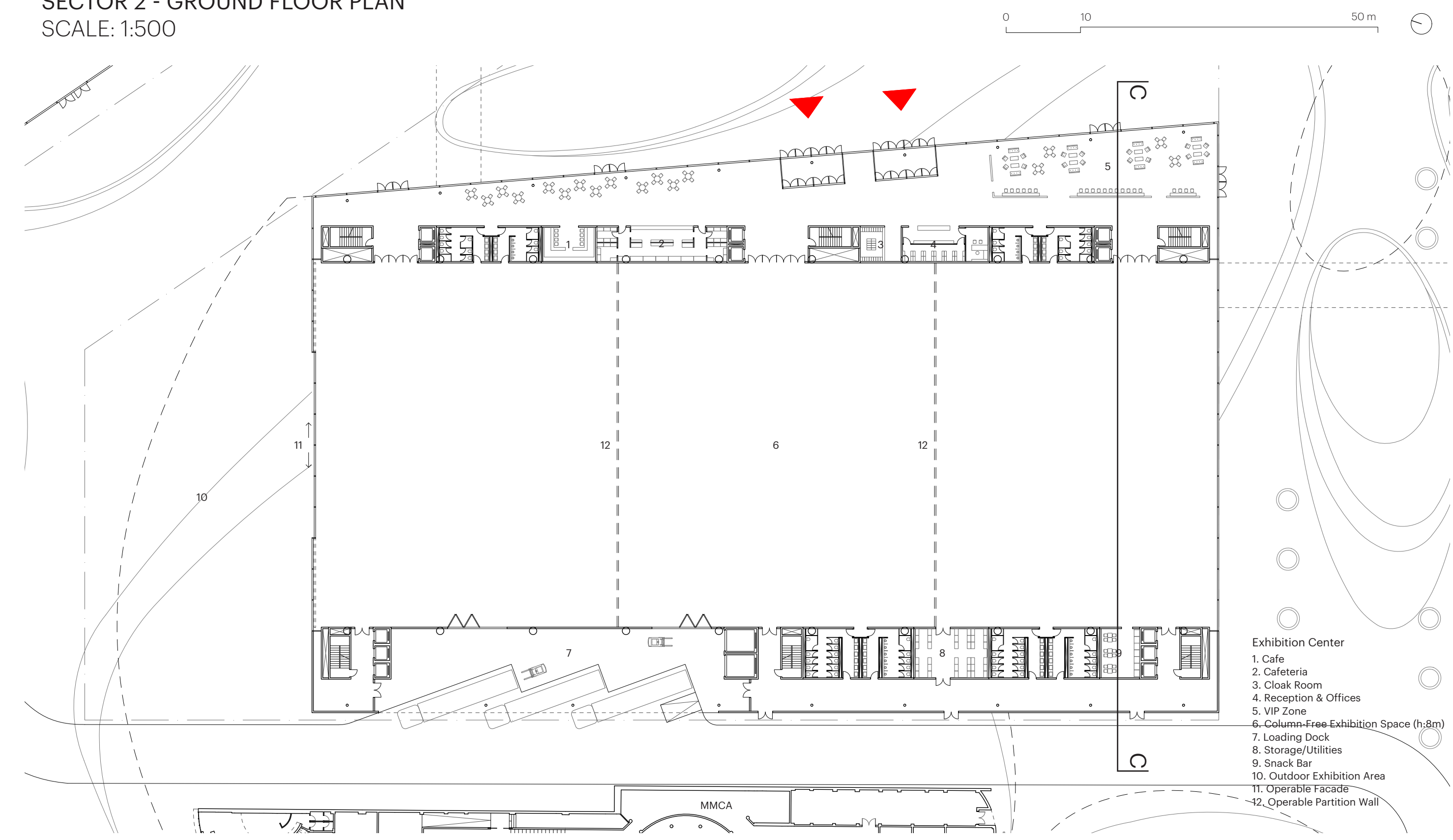
SECTOR 1.1 - GROUND FLOOR PLAN
SCALE: 1:500



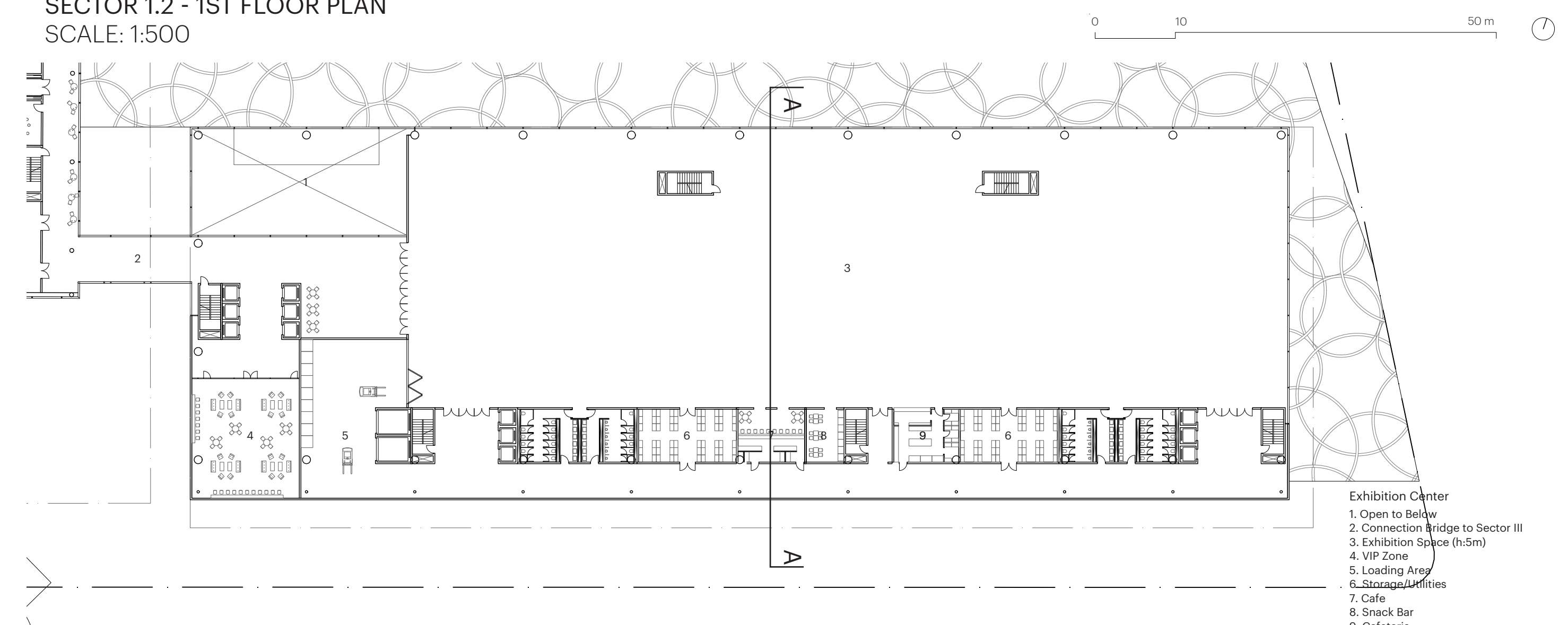
SECTOR 1.1 - SOUTH ELEVATION
SCALE: 1:500



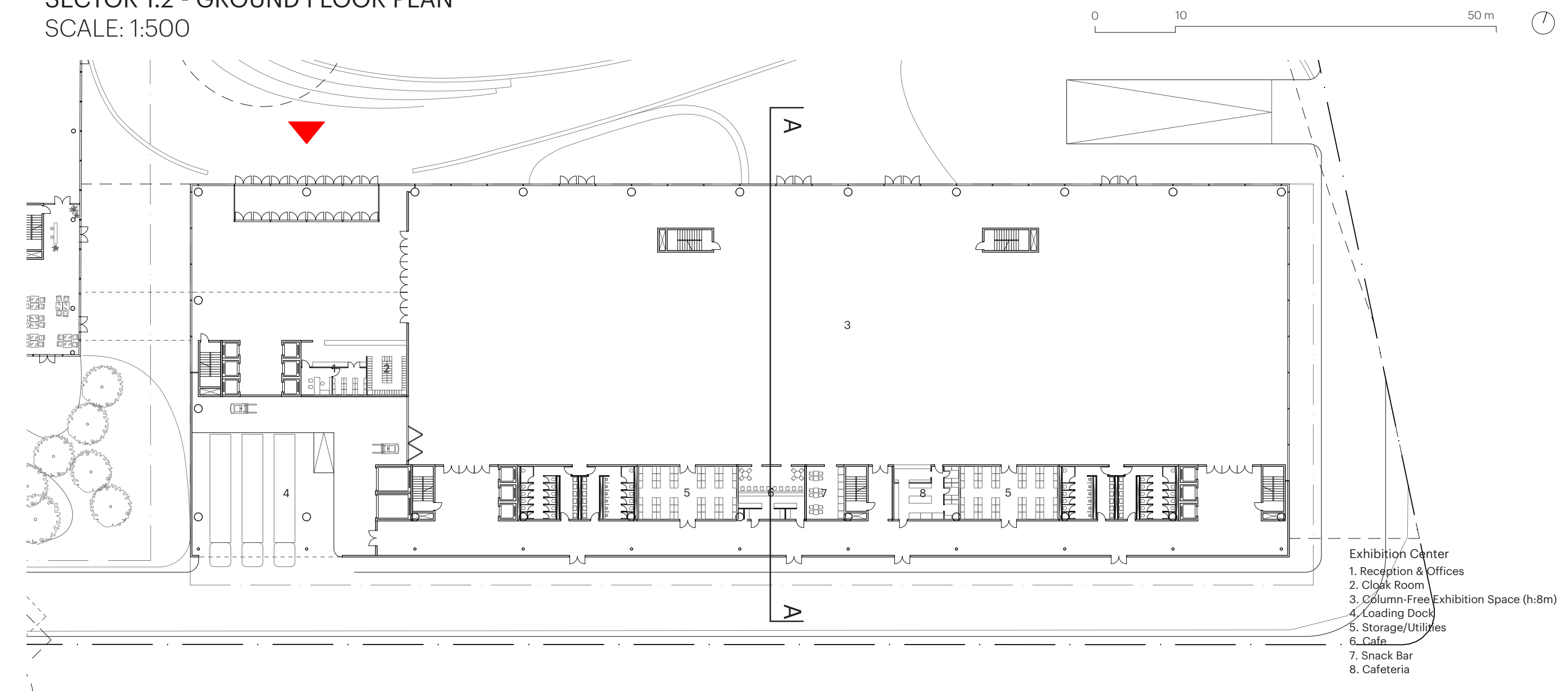
SECTOR 2 - GROUND FLOOR PLAN
SCALE: 1:500



SECTOR 1.2 - 1ST FLOOR PLAN
SCALE: 1:500



SECTOR 1.2 - GROUND FLOOR PLAN
SCALE: 1:500



SECTOR 1.1 - EAST ELEVATION
SCALE: 1:500



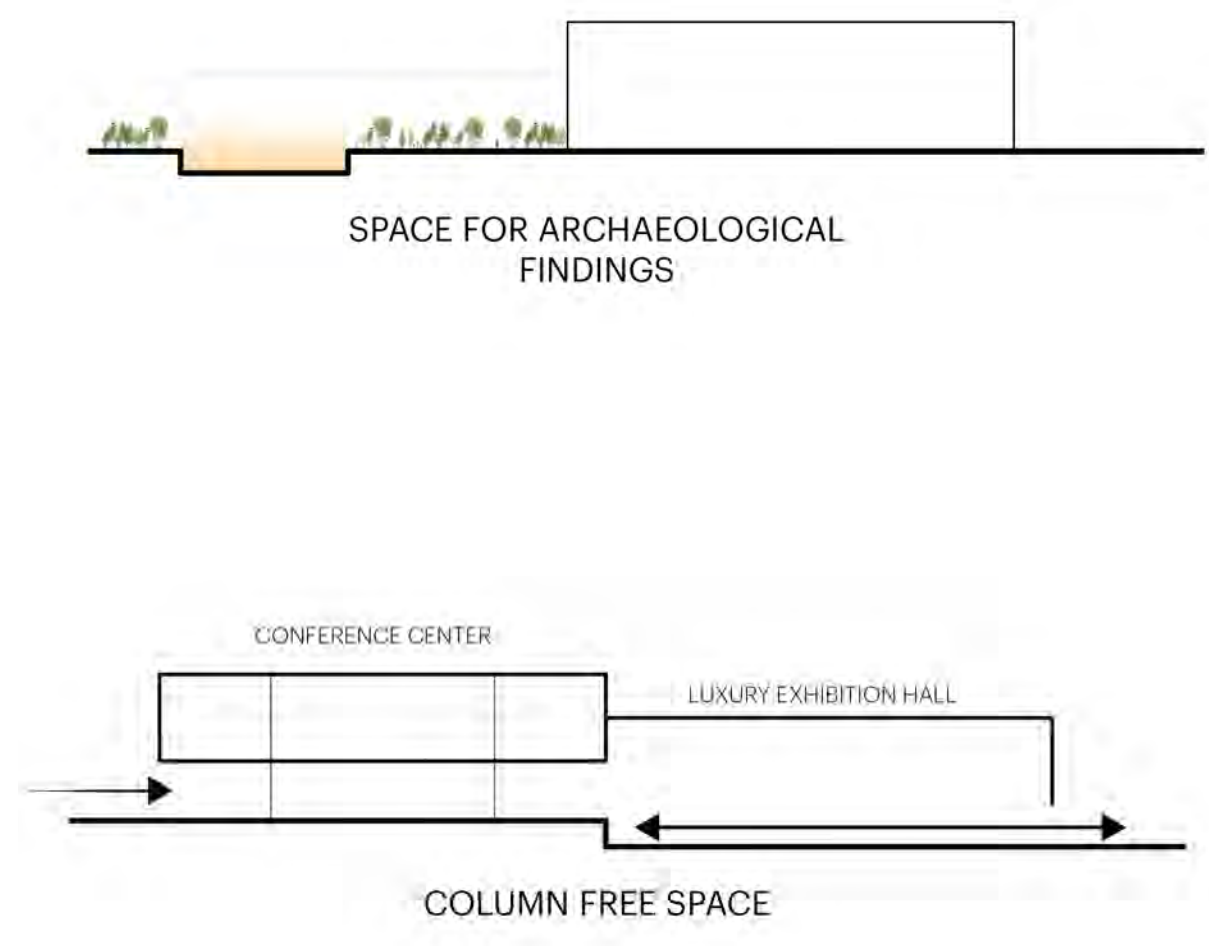
LUXURY EXHIBITION HALL



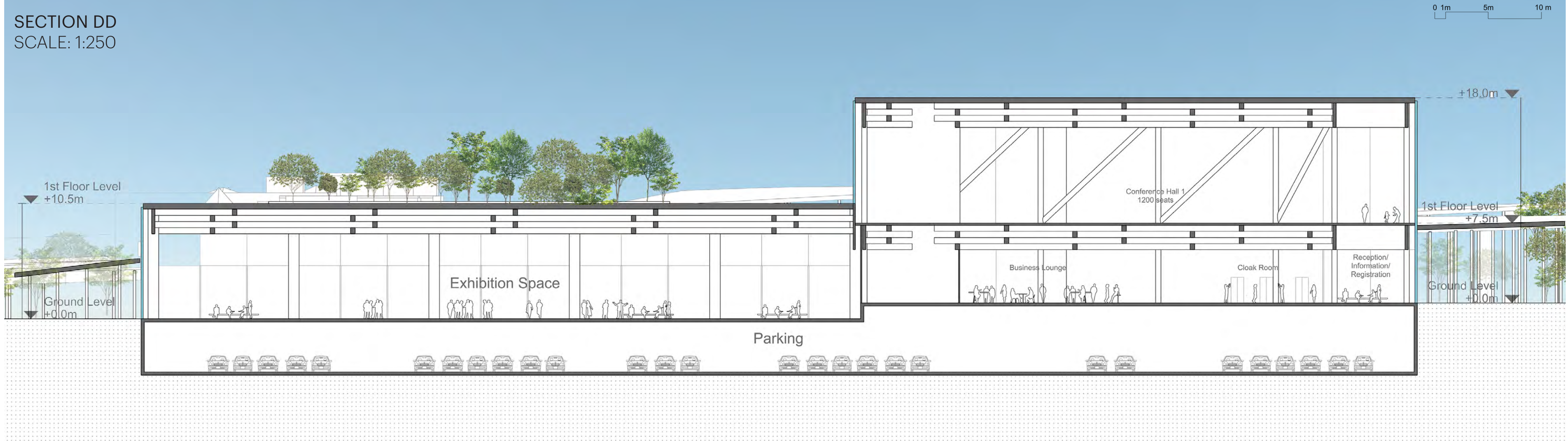
CONGRESS CENTER
SECTOR 4

The Congress Center is connected to the Exhibition Center network - but can function separately. The building is designed similar to the Exhibition Center - with a simple facade of clear glass on ground level and opaque glass on the second floor. The very light and open structural system allows for maximum flexibility of the spaces inside. The building is divided into two major components for the Conference function and the Luxury Hall function. The two sides can simultaneously operate independent events and gatherings. The Luxury Hall provides a roof garden which can be used to experience panoramic views of the surroundings.

A fragment of the site is allocated to the potential archaeological findings and allows these to become part of the unique nature of the site and this architecture.



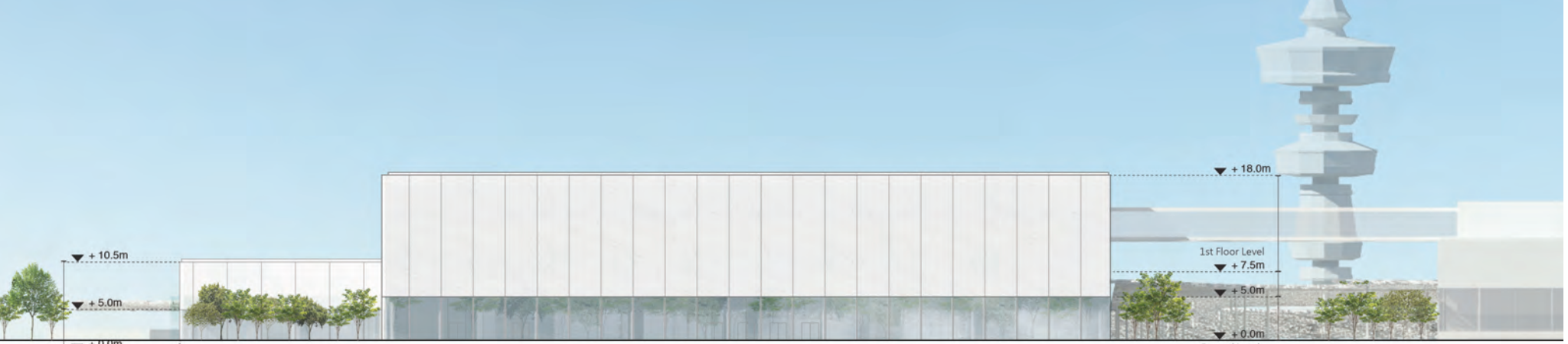
SECTION DD
SCALE: 1:250



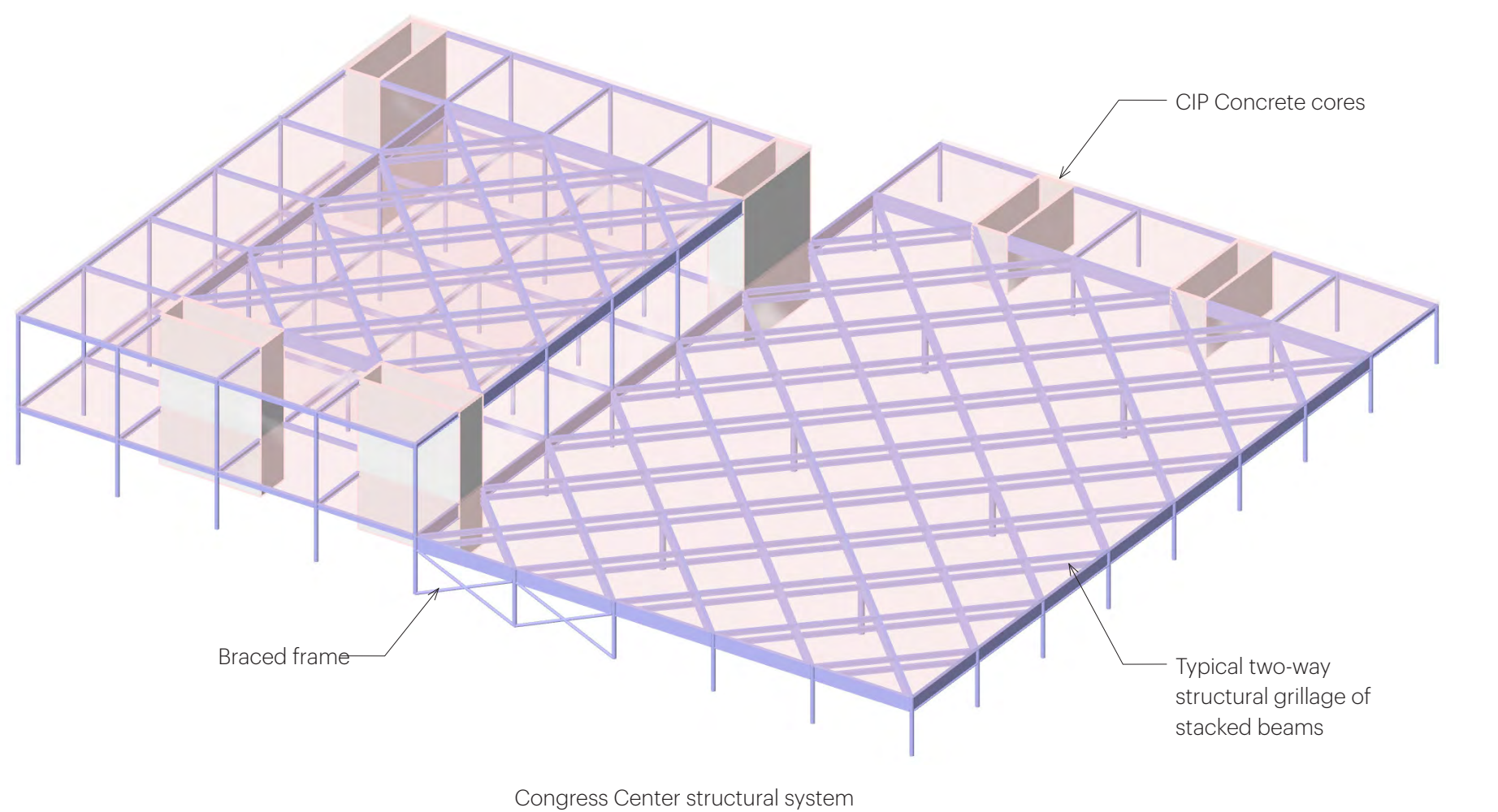
CONGRESS CENTER WEST ELEVATION
SCALE: 1:750



CONGRESS CENTER NORTH ELEVATION
SCALE: 1:750

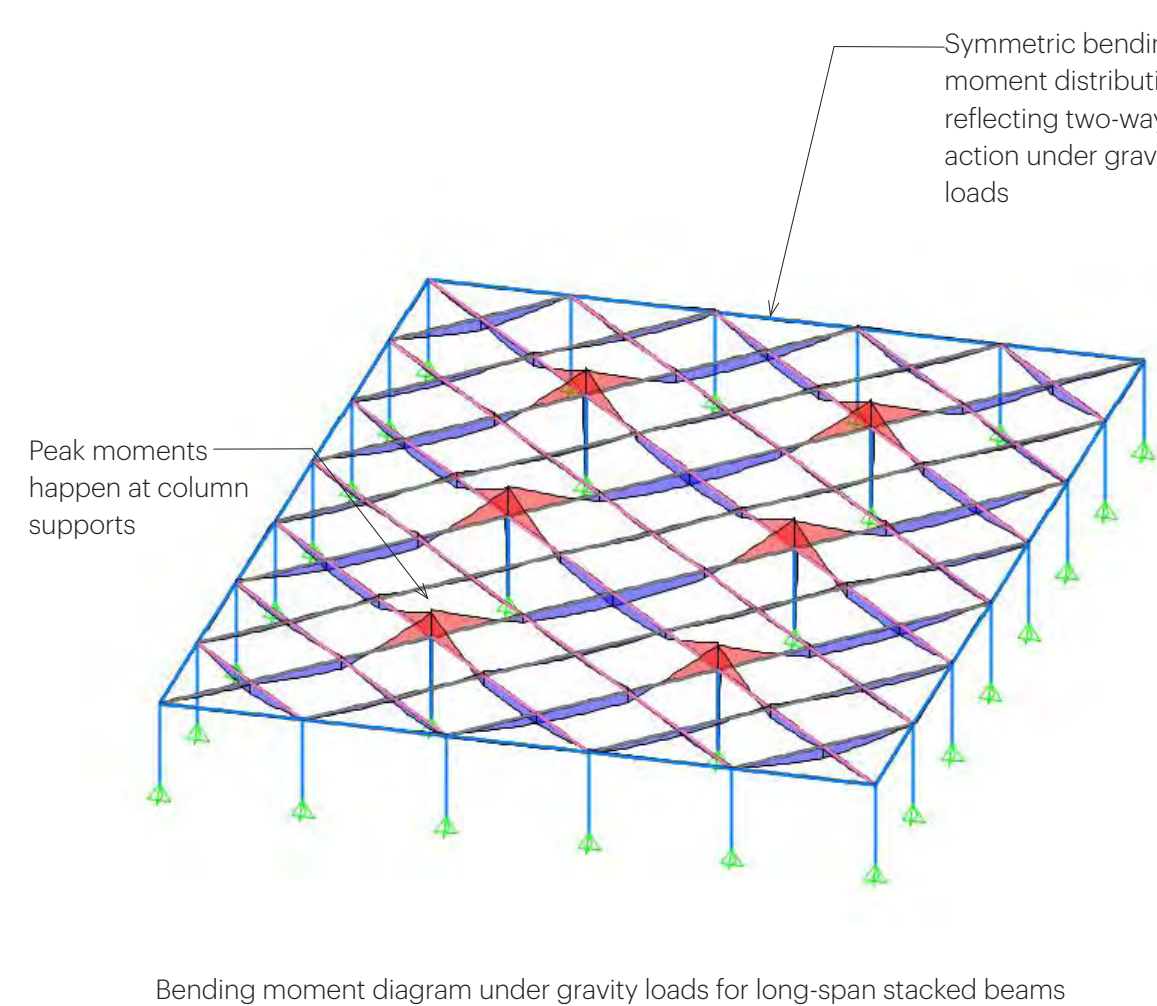


CONGRESS CENTER STRUCTURAL SYSTEM

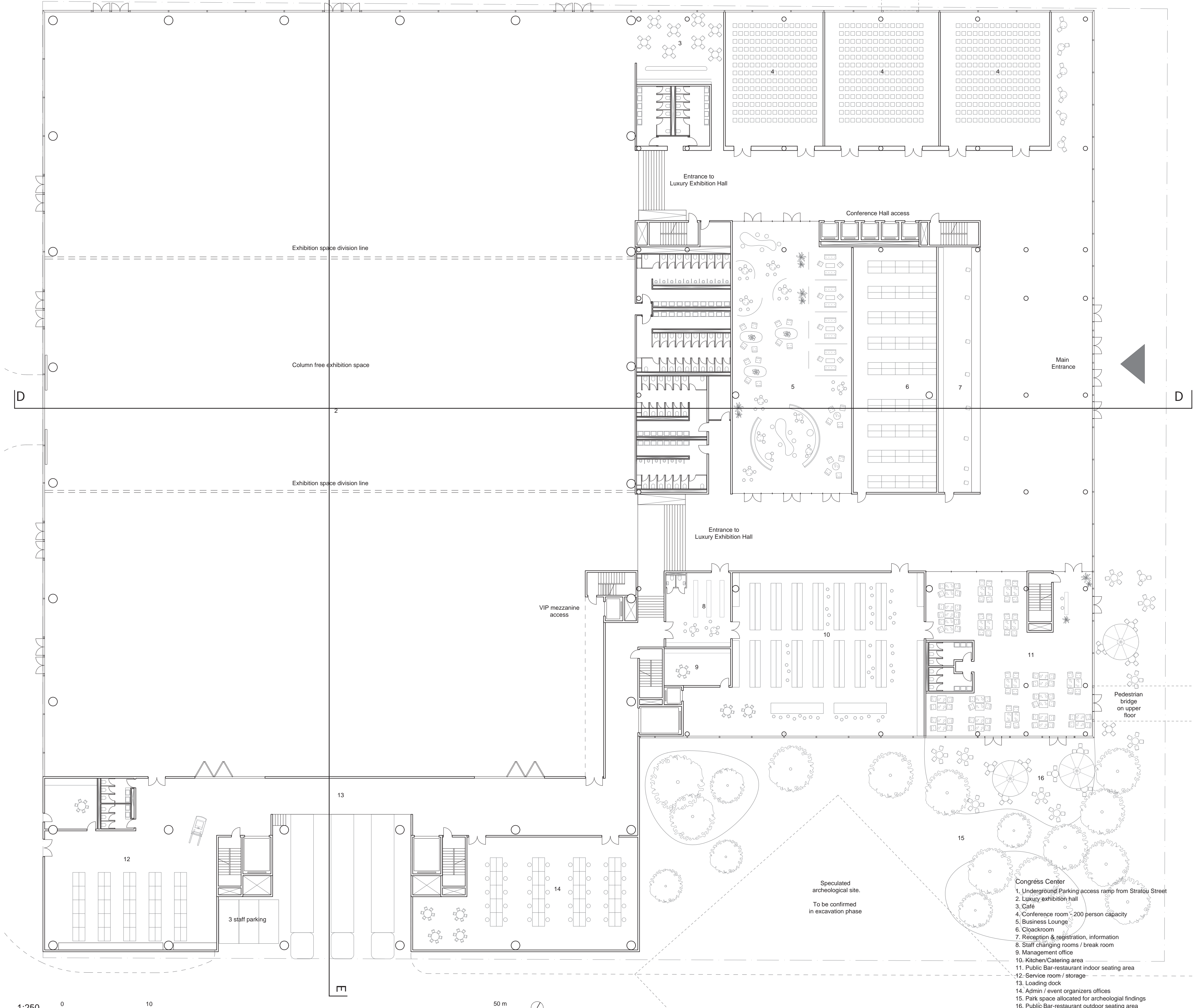


The structure for the congress center utilizes a two-way beam grillage strategy, similar to the system deployed in the exhibition spaces, where long-spans are required for programmatic purposes at the ground and second floor levels.

Perimeter columns are spaced 13m apart and a simplified two-way floor system of wide flange beams and CIP concrete slabs is implemented where long spans are not necessary architecturally. The lateral system is comprised of a series of structural cores and braced frames balanced across the building structure to avoid torsional irregularities in the lateral behavior.

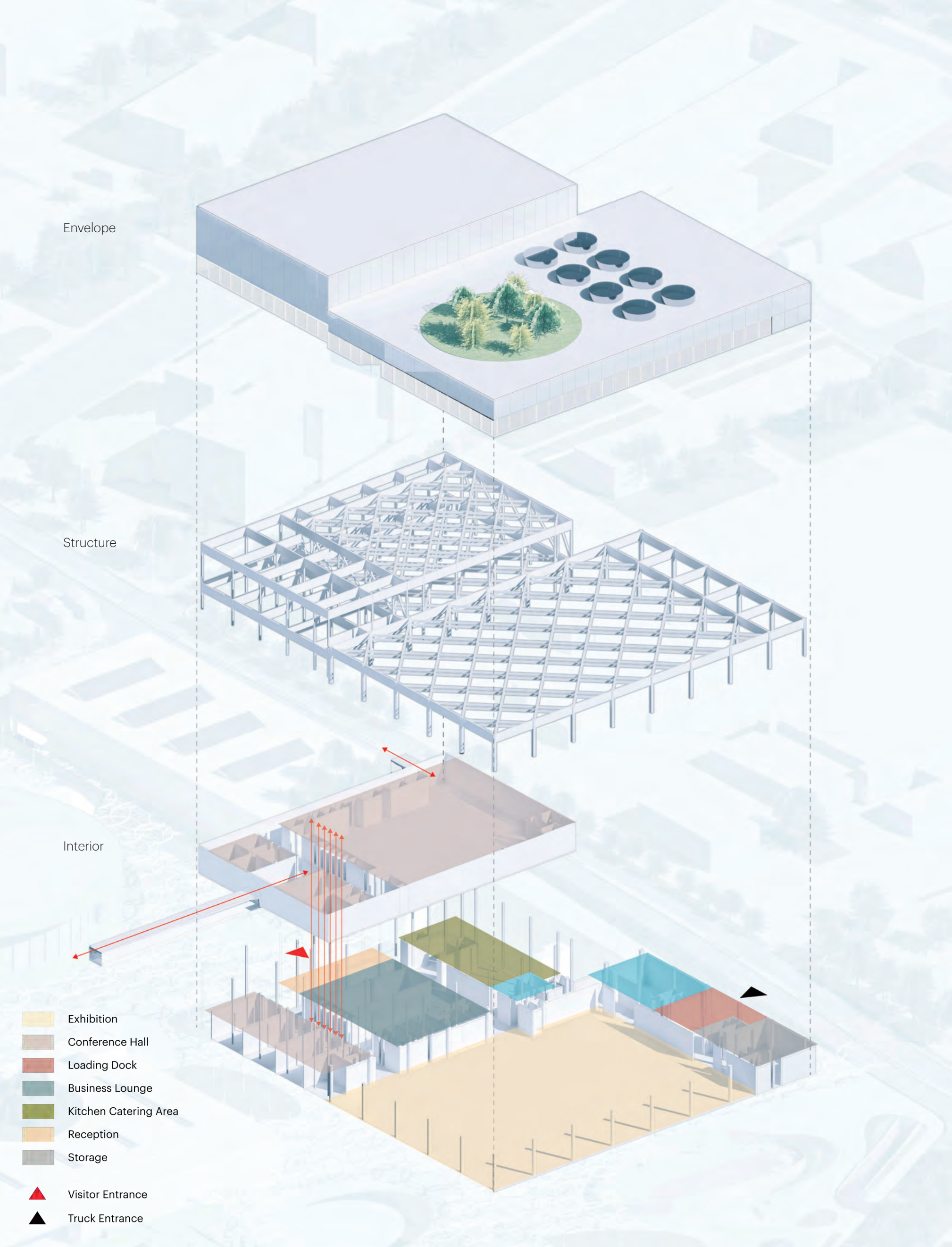


CONGRESS GROUND FLOOR PLAN
SCALE: 1:250

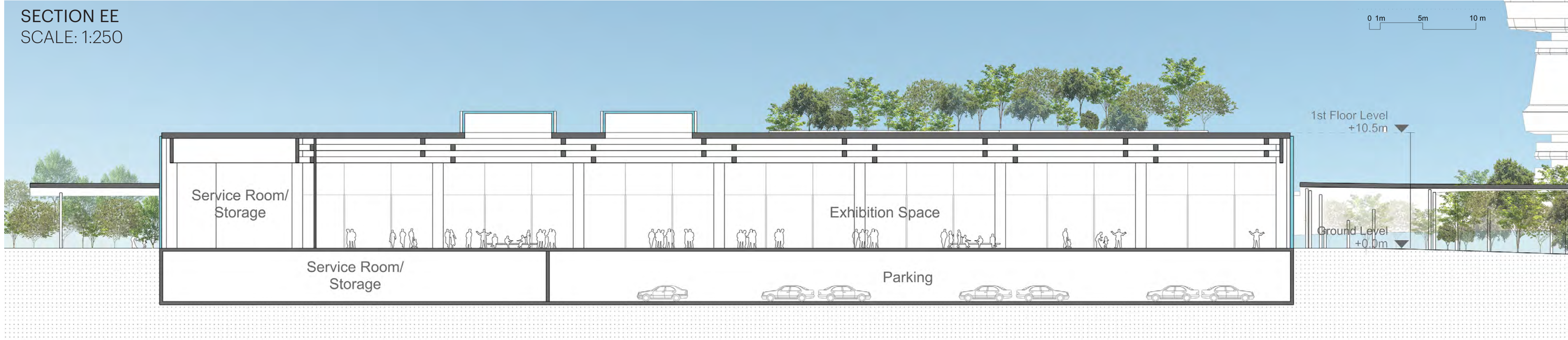




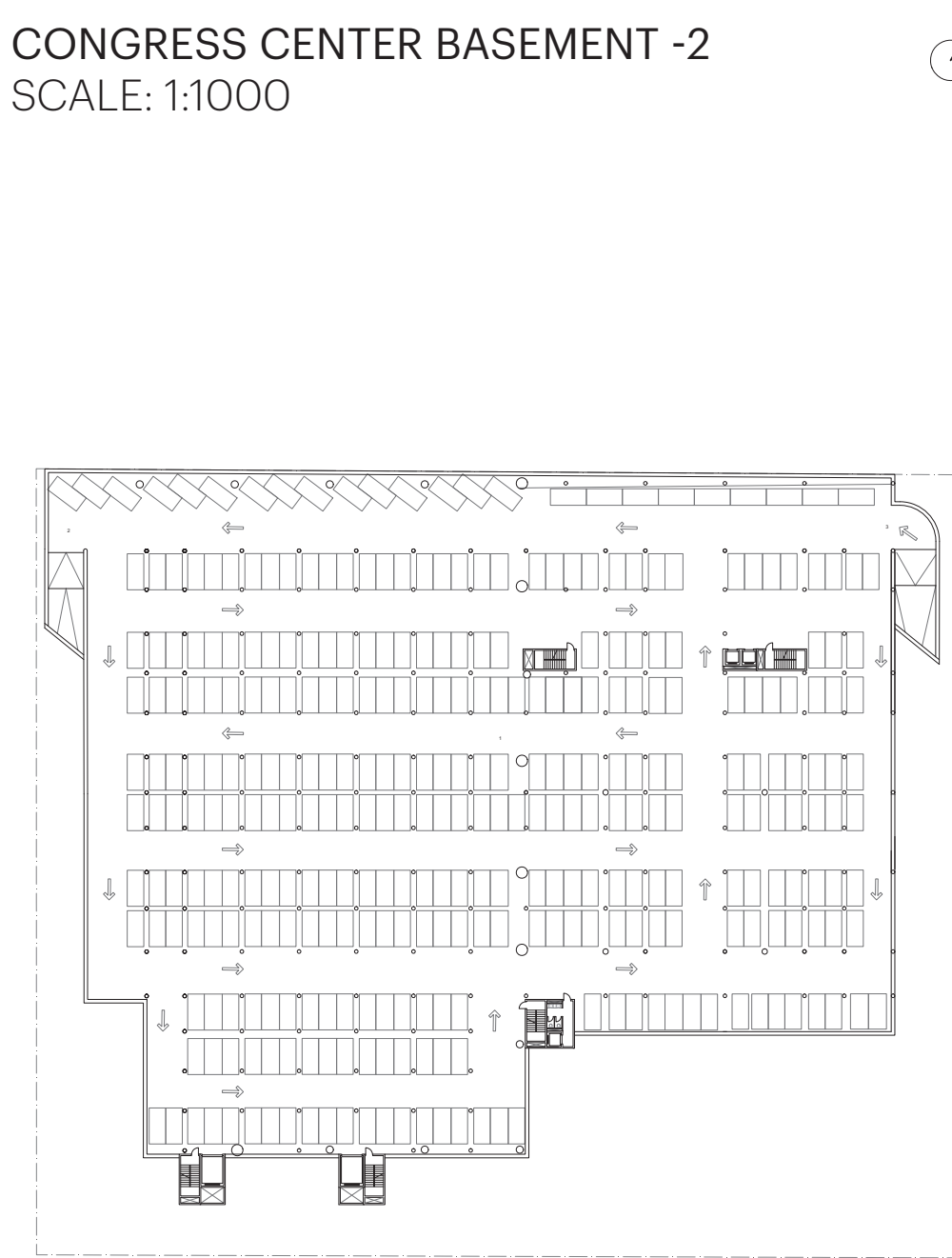
PROGRAM AND CIRCULATION COMPONENTS



SECTION EE
SCALE: 1:250



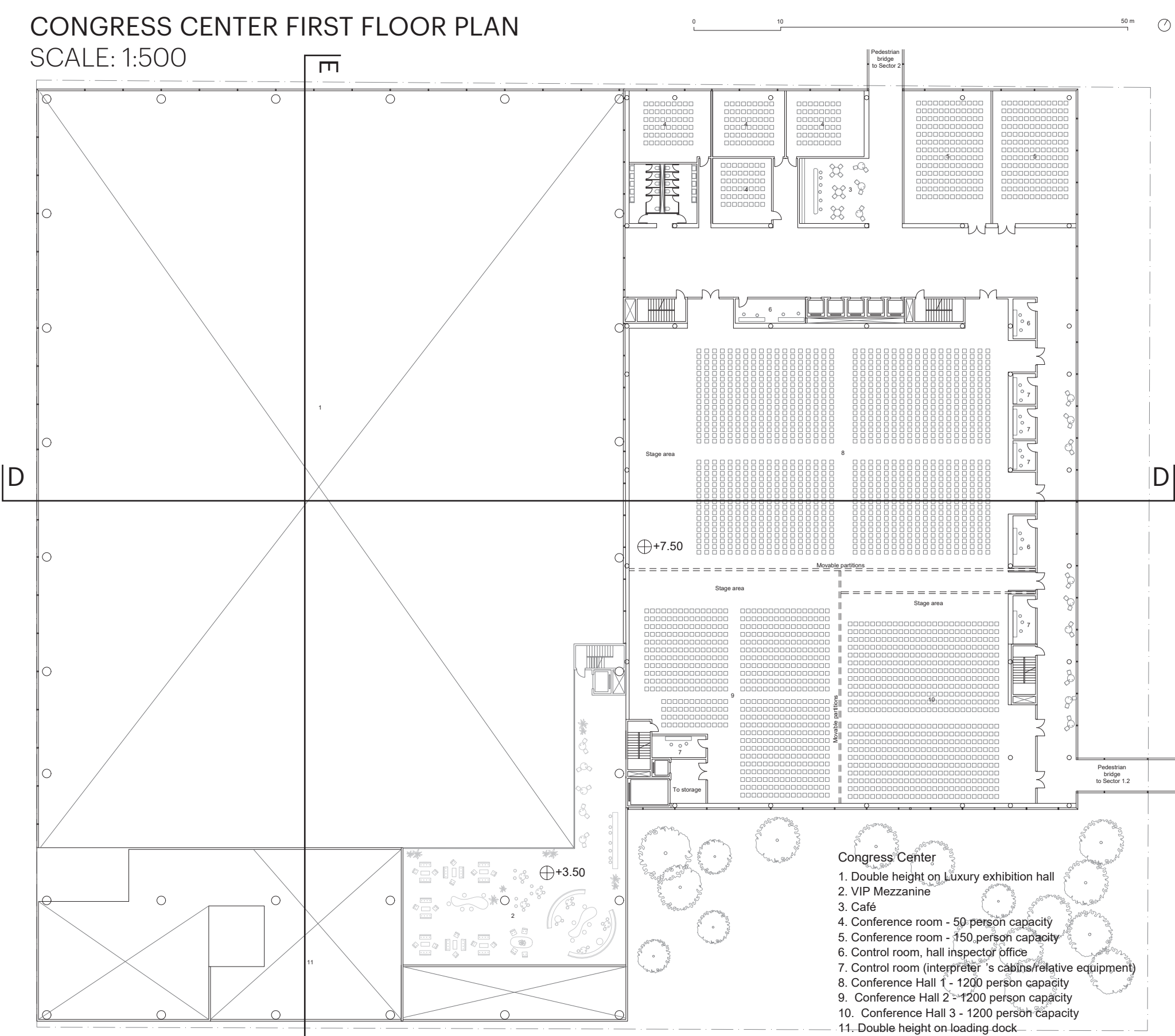
CONGRESS CENTER BASEMENT -2
SCALE: 1:1000



CONGRESS CENTER BASEMENT -1
SCALE: 1:1000

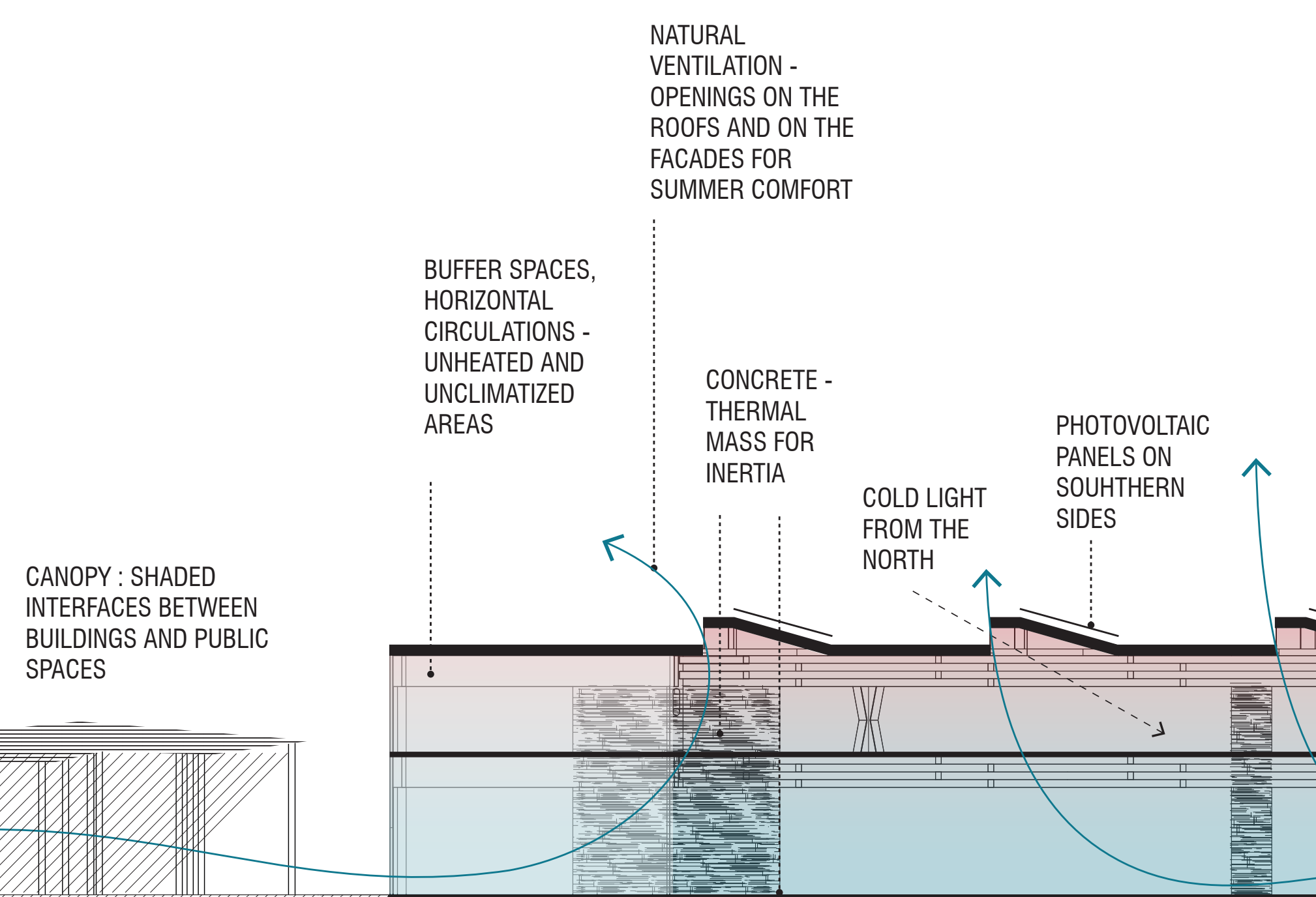


CONGRESS CENTER FIRST FLOOR PLAN
SCALE: 1:500



BIOCLIMATIC STRATEGIES FOR EXHIBITION BUILDINGS

The buildings can be ventilated naturally thanks to the openings in the roofs and facades. The roof openings combine both a supply of "cold light" (north orientation), therefore without risk of overheating, and support for photovoltaic panels on the southern sides.



INTEGRATED ROADWAY SYSTEM





BUSINESS CENTER
SECTOR 3

The Business Center is a manifestation of the diverse and dense nature of Thessaloniki's urban fabric. The buildings are designed as a collection of islands acting like an urban village. The landscape is a series of terraces which blur the scale between Egnatia street and the newly designed park. The architecture is porous and open to allow flexible entries and multiple path possibilities. All ground level retail are connected together with outdoor space creating a sense of a village in a park.

The hotel is located facing Sintrivaniou Square, establishing an iconic landmark at the corner. It projects out as the tallest island - this corner piece attracts the public to the vast and diverse public space located within the site.

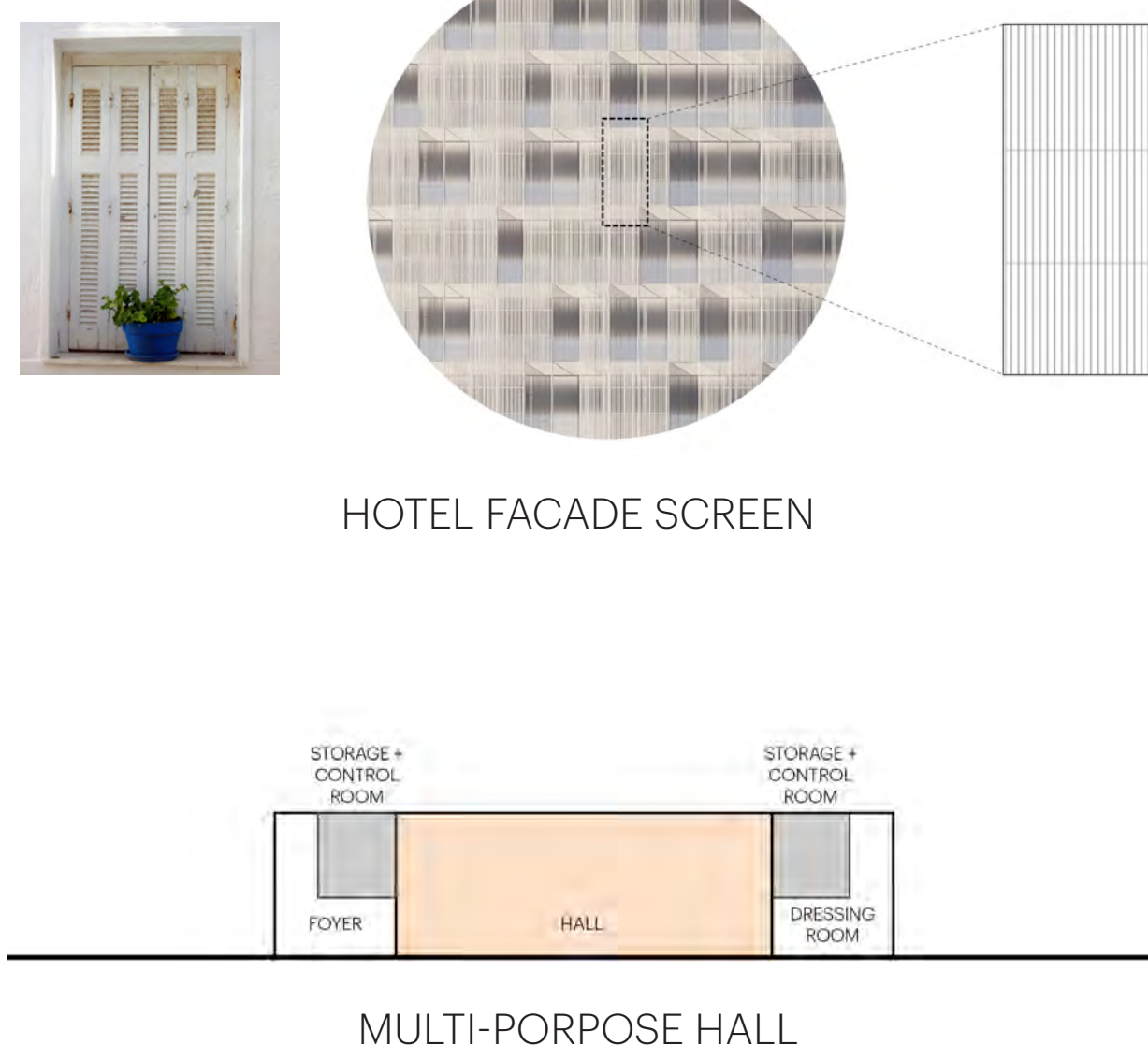
varying between 10 and 30 meters. These buildings are mostly cylindrical in shape and some of them feature a sloped roof.

The structural gravity system for the buildings in the business center consist of steel columns and beams. One-way concrete slabs on metal deck supported on steel beams form the floor and roof slabs. Perimeter steel columns are located at a regular spacing around each building, in coordination with the window wall panel sizes based on architectural design. Interior columns will be located within the architectural partitions where possible to minimize interference with open spaces.

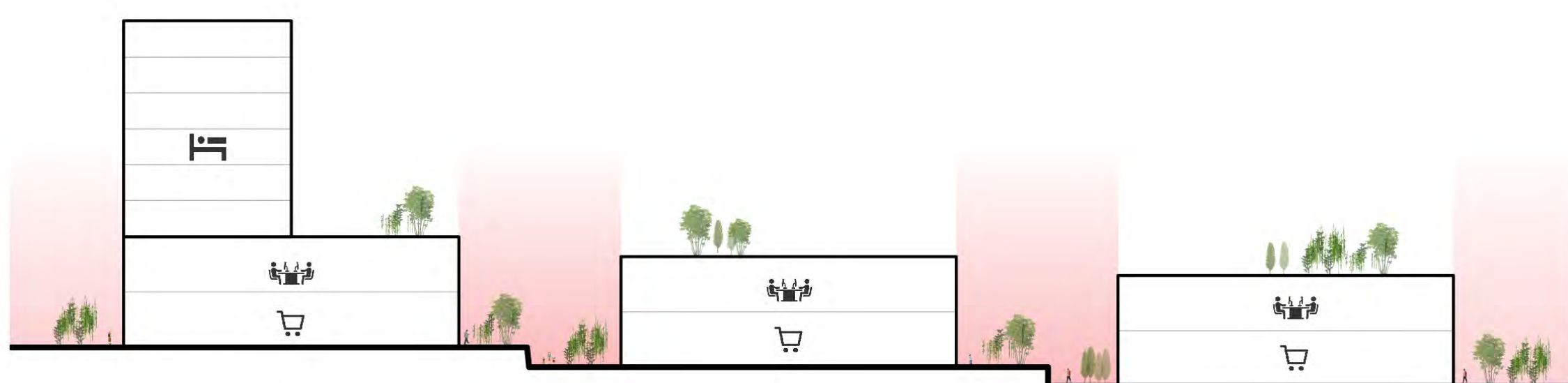
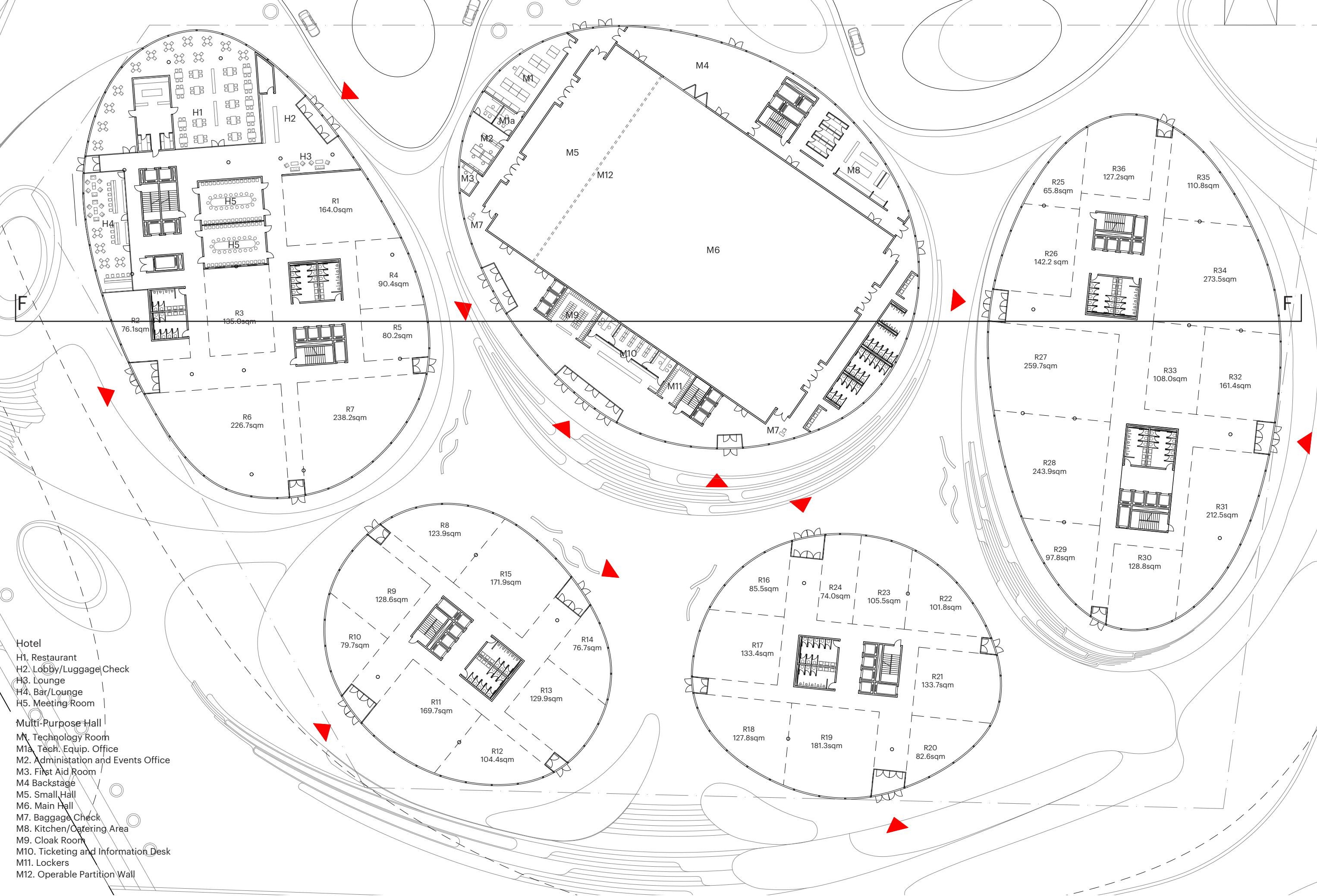
Cast-in-place concrete shear walls located around elevator and stair openings form the structural lateral system of the buildings. These concrete shear walls are balanced across the buildings to provide sufficient lateral stability for the buildings under wind and earthquake loads.

BUSINESS CENTER STRUCTURAL SYSTEM

There are five buildings in the Business Center complex, with the height of the buildings

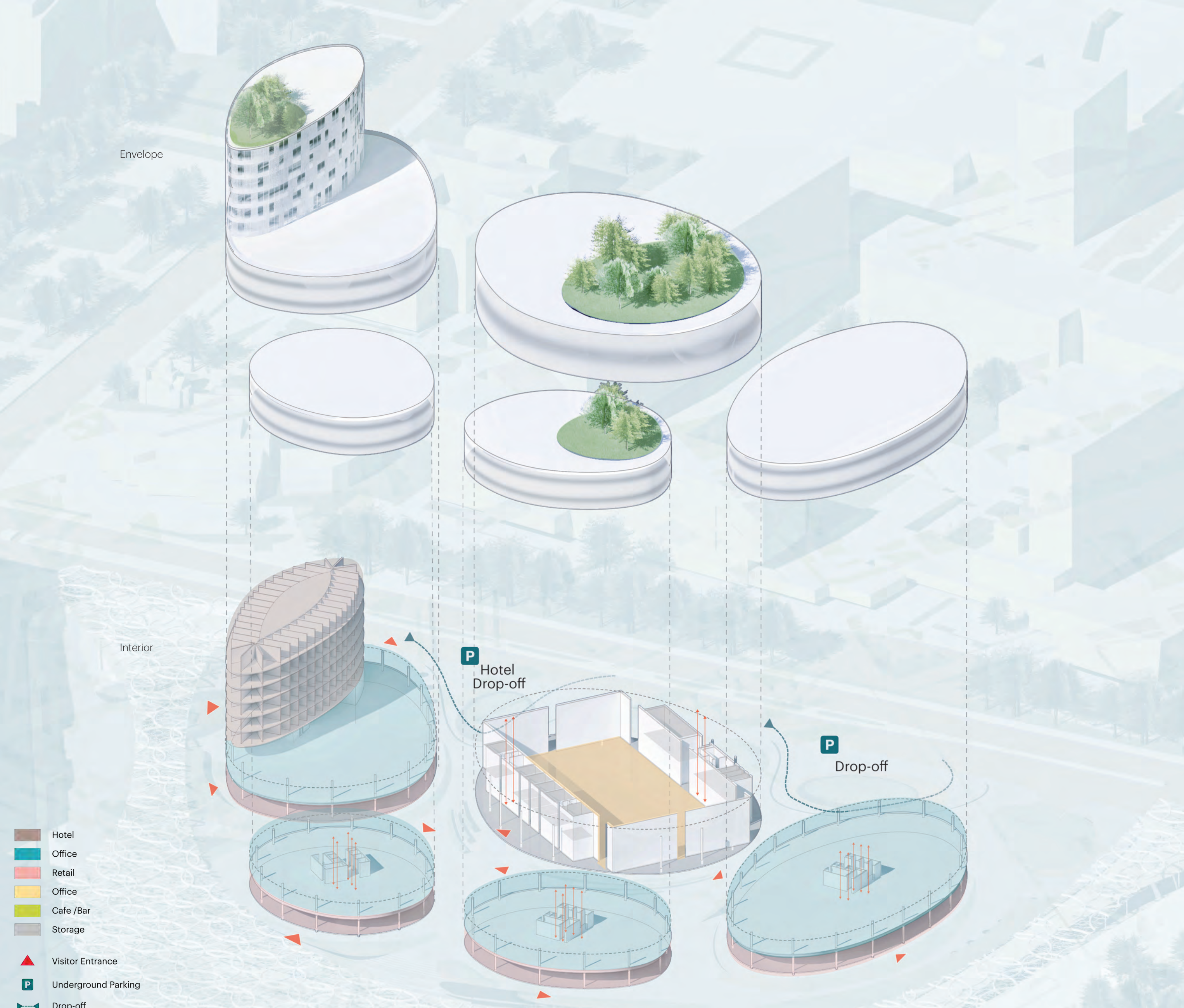


BUSINESS CENTER GROUND FLOOR
SCALE: 1:500

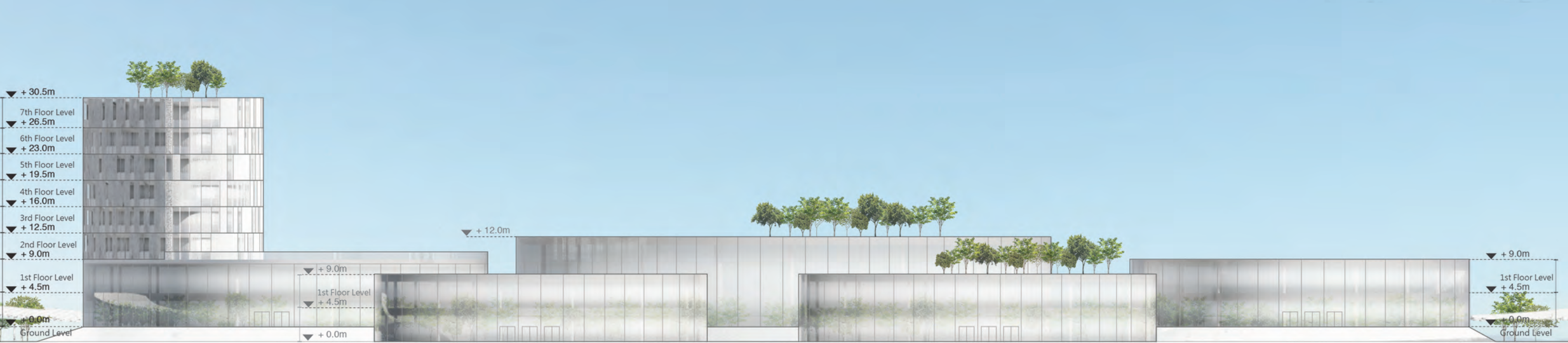


BUSINESS CENTER URBAN VILLAGE

PROGRAM AND CIRCULATION COMPONENTS



SOUTH ELEVATION
SCALE: 1:500



WEST ELEVATION
SCALE: 1:500



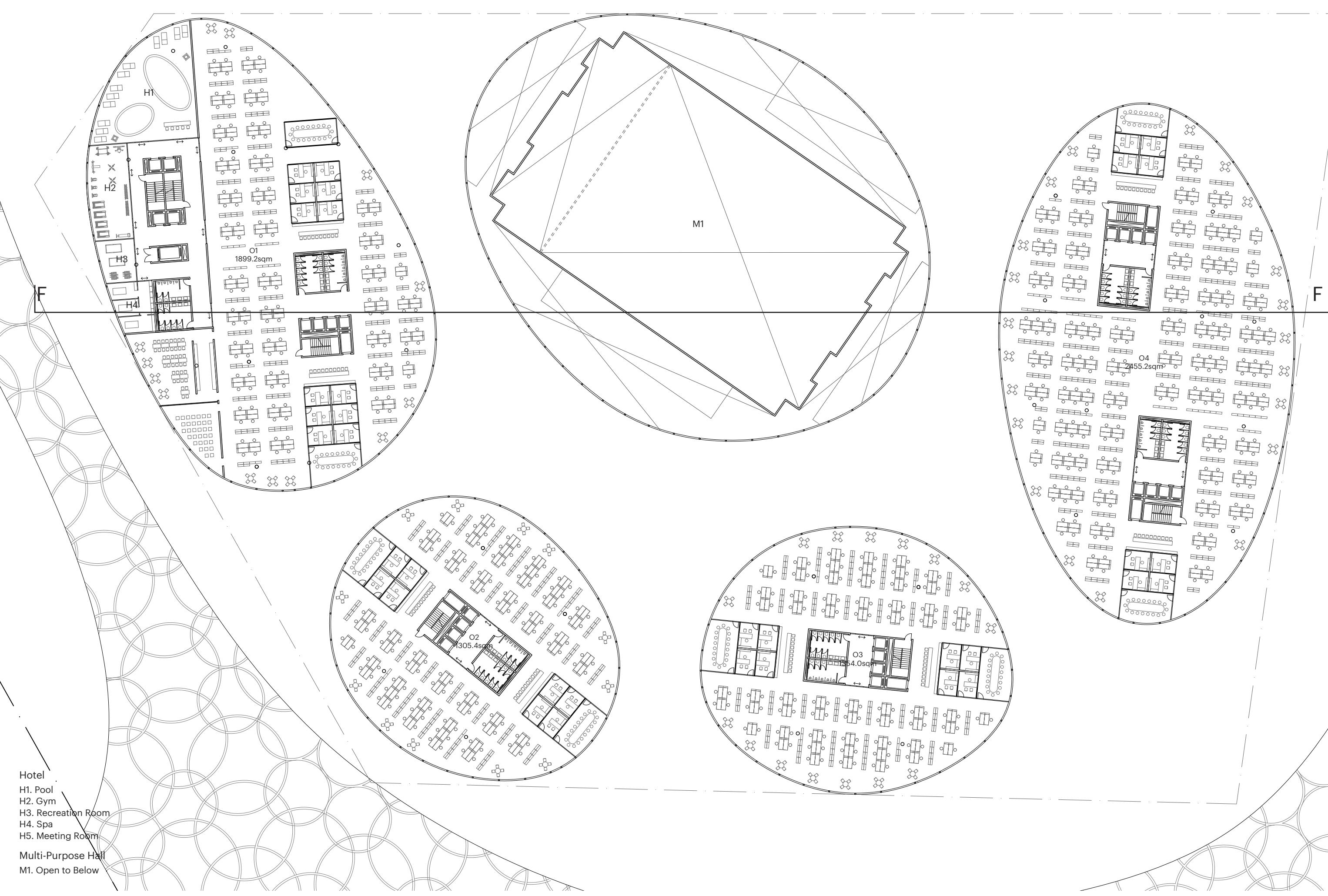
SECTION FF
SCALE: 1:500





BUSINESS CENTER 1ST FLOOR
SCALE: 1:500

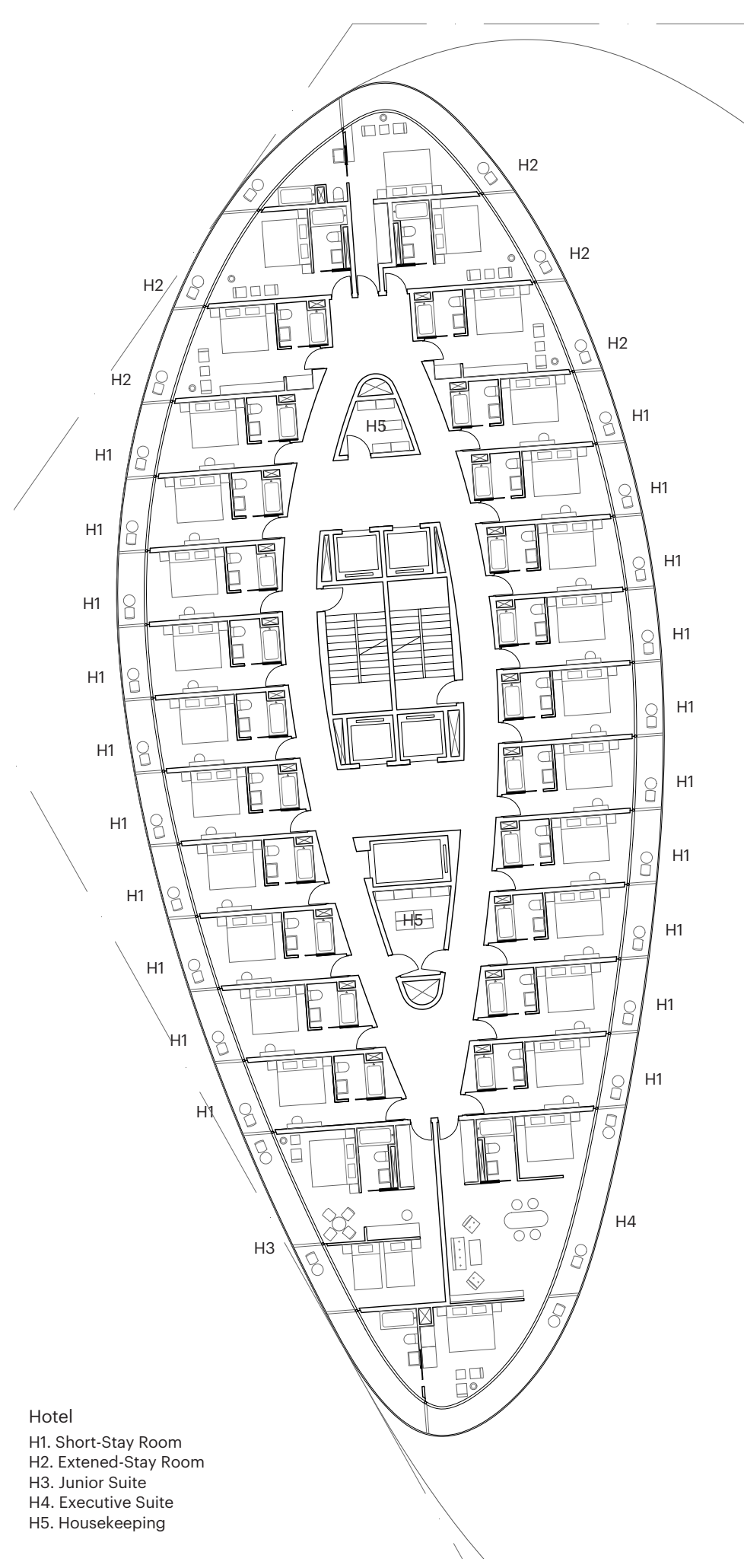
0 10 50m



Hotel
H1. Pool
H2. Gym
H3. Reception Room
H4. Spa
H5. Meeting Room
Multi-Purpose Hall
M1. Open to Below

BUSINESS CENTER HOTEL TYP. FLOOR
SCALE: 1:250

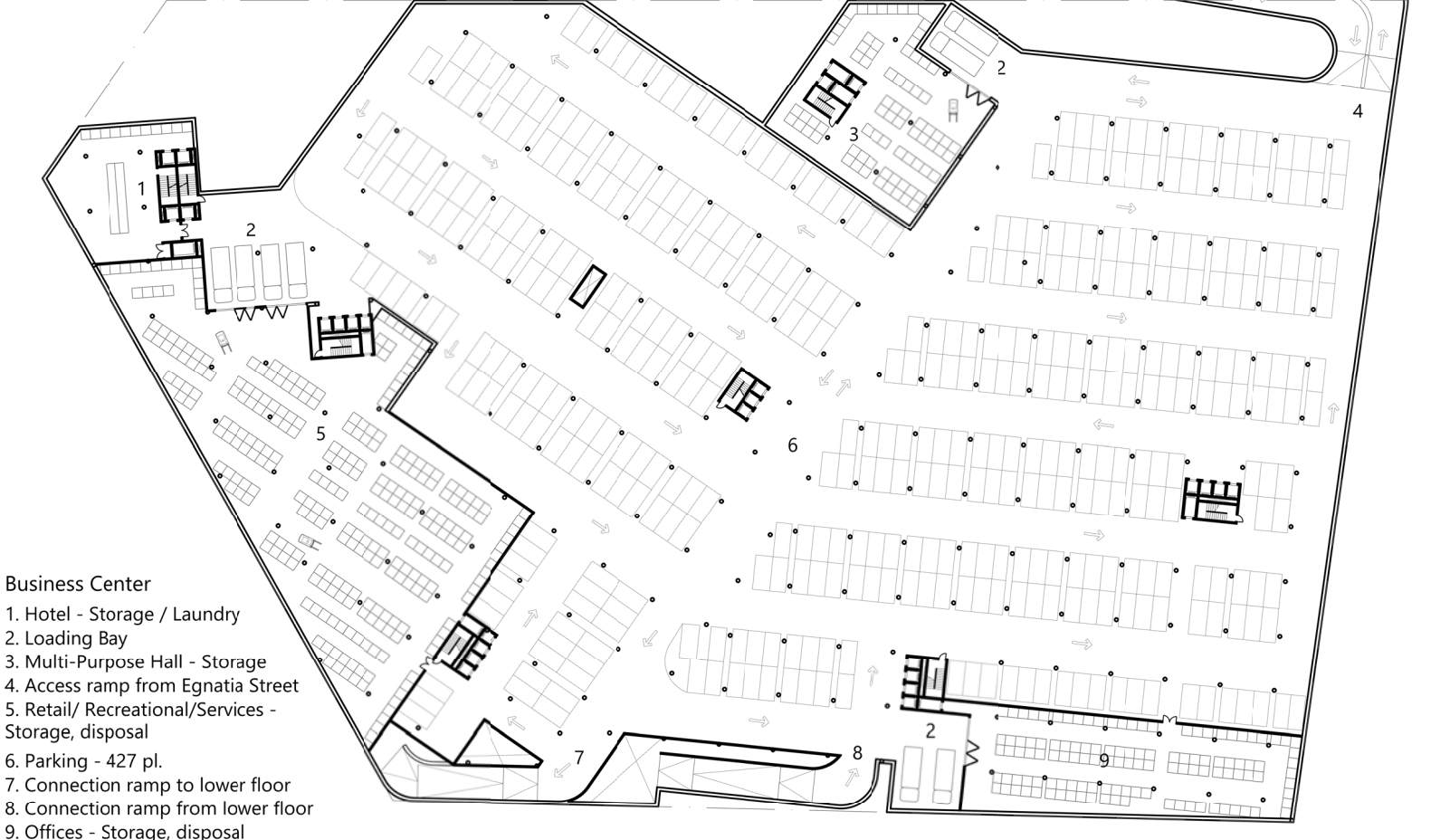
0 5 25m



Hotel
H1. Short Stay Room
H2. Extended Stay Room
H3. Junior Suite
H4. Executive Suite
H5. Housekeeping

BUSINESS CENTER BASEMENT -1
SCALE: 1:1000

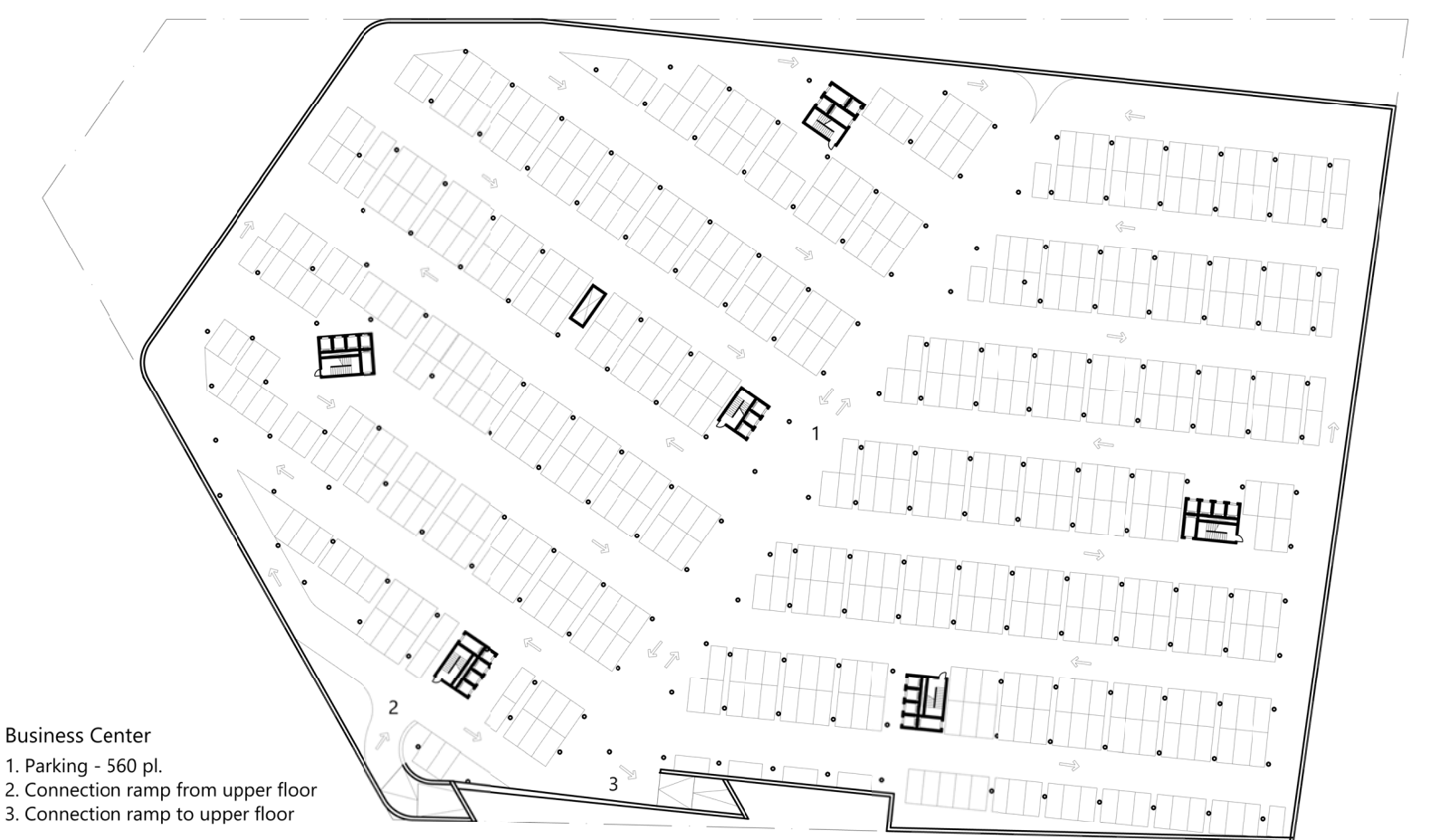
0 10 50m



Business Center
1. Hotel - Storage / Laundry
2. Loading Bay
3. Multi-Purpose Hall - Storage
4. Access ramp from Spina Street
5. Retail/Recreational Services - Storage, disposal
6. Parking - 427 pt.
7. Connection ramp to lower floor
8. Connection ramp from lower floor
9. Offices - Storage, disposal

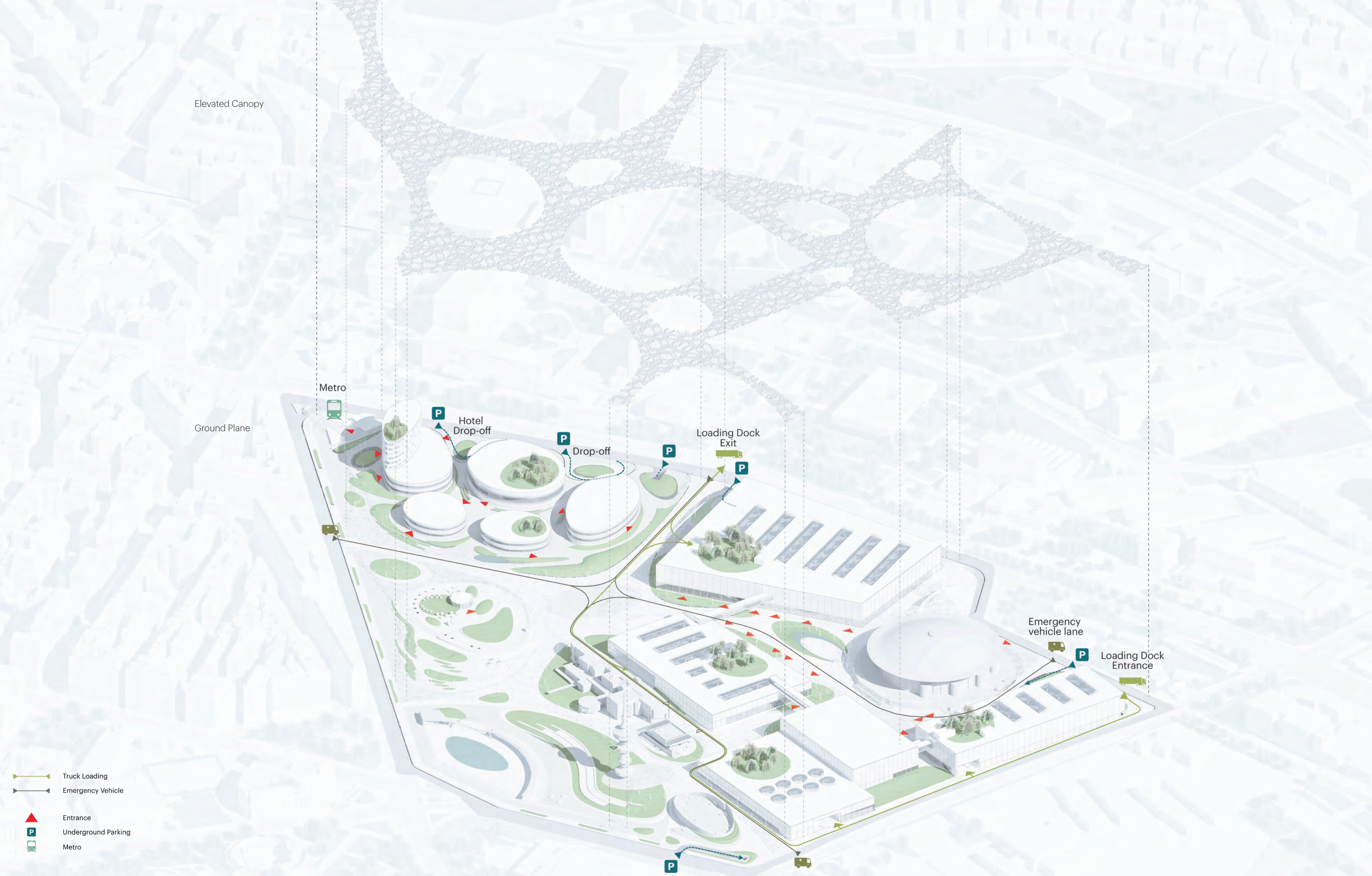
BUSINESS CENTER BASEMENT -2
SCALE: 1:1000

0 10 50m



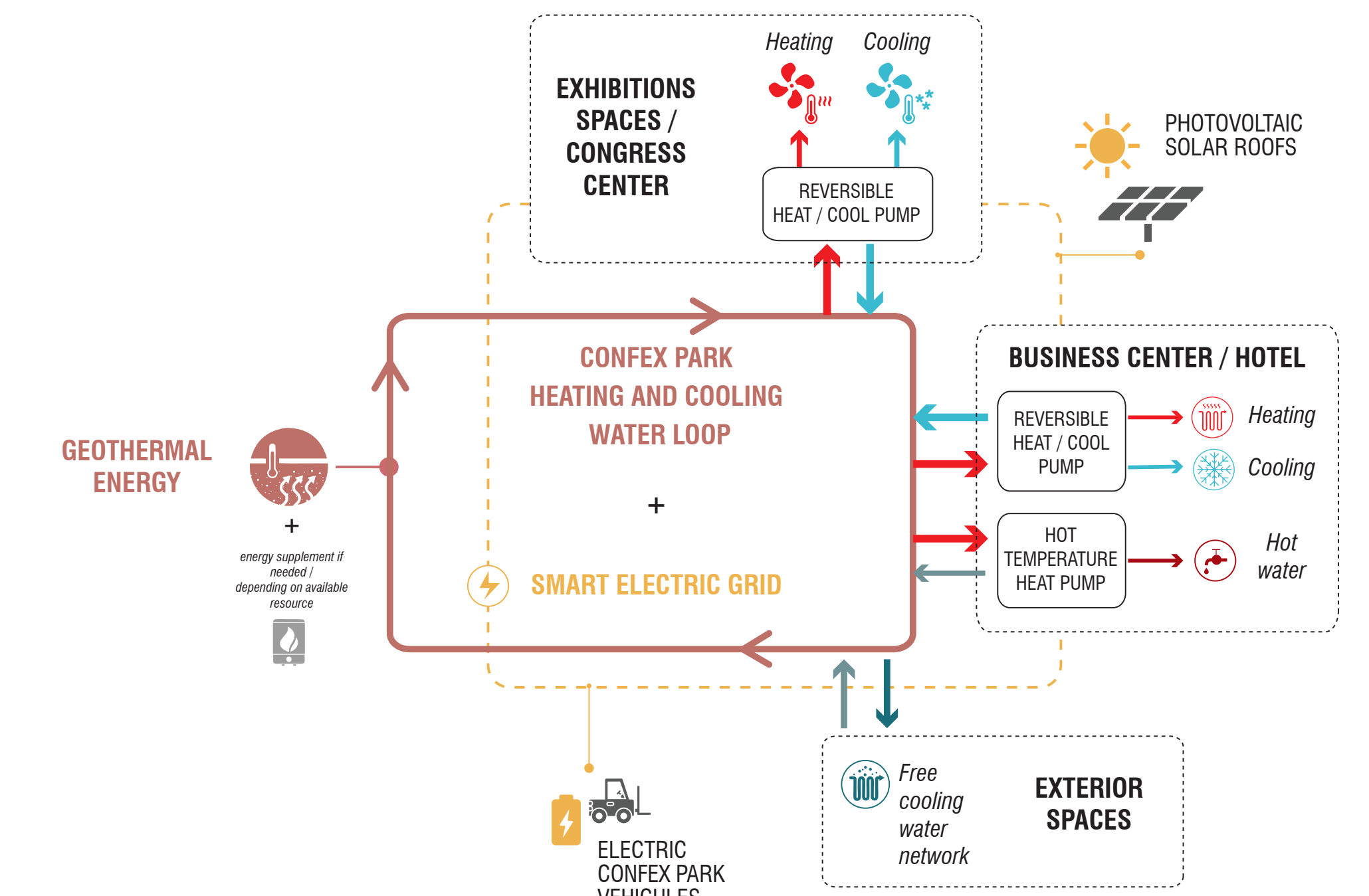
Business Center
1. Parking - 560 pt.
2. Connection ramp from upper floor
3. Connection ramp to upper floor

CANOPY AND GROUND FLOOR COMPONENTS



Truck Loading
Emergency Vehicle
Entrance
Underground Parking
Metro

A SMART AND SHARED ENERGY NETWORK, POWERED BY RENEWABLE SOURCES



YMCA MULTI-SEASONAL FUNCTION

