Parking Set

INNOVATIVE PARKING AND STORAGE SYSTEM OF THE 21st CENTURY

An example of the application of Parking Set in a limited space within an existing development

Parking Set
Automatic Parking Solutions Group

Principles and Features of the System

The technology is designed in Israel. Modular, fully robotic system. Consisting of 4 standard, commercially available products.

Commercial offer

Above ground parking lot for 10 or more parking spaces, Moscow

Description:

This project is located in the yard of an existing business center in Moscow, in one of the city's central districts.

The study suggests solving the parking problem by installing an APS for

10–16 cars, on an area of 7.5*16 m,

8.5 m high.

A recreation space is proposed on the parking complex roof.

Commercial offer

Above ground parking lot for 10 and more parking spaces, Moscow

Completely automated parking complex for 10–16 cars of ordinary as well as business and premium classes,

sedans and jeeps (Mercedes-Benz 500, Mercedes-Benz GL 350, Toyota Land Cruiser, Range Rover, sedans) up to 3 tons and up to 5.5 m long.

The 1st floor of the parking lot is a lobby containing the parking meter and the customer interface, the reception box, the lift.

At the entrance to the reception box, the driver gets out of the car and leaves the APS via the lobby after selecting the required operational options on the interface. Then, the sensors register the absence of people in the receiving box, and the automatic equipment turns on.

The ring turns the car with its hood towards the future exit, and the car is sent into the lift, its trunk forward, for elevation to the storage floor. The service floor is 2.7 m high.

The storage floor can accommodate 5–7 (8 cars when the complex is completely full).

The storage floor is 2.4 m high.

Each additional floor can also accommodate potentially 5–8 cars.

Area analysis

To date, this area is able to accommodate no more than 5 cars.

Description of the proposed solution

Upon exiting the car, the driver, via the interface of the complex, SMS, or any existing system, requests the car to be retrieved, pays for it through the parking meter located in the lobby or otherwise, and leaves the parking complex.

The car retrieval time is 1.5–2 minutes.

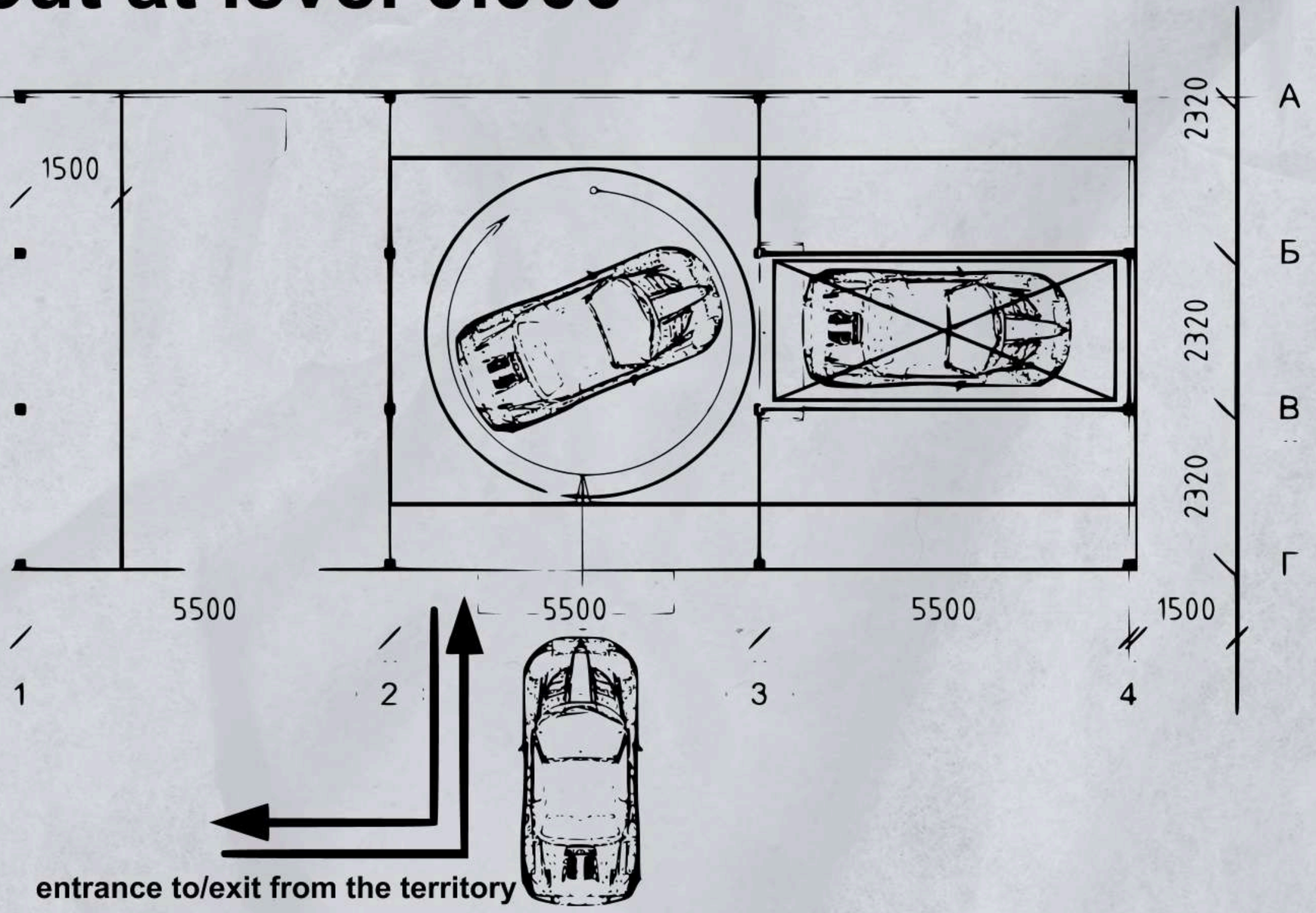
The mobile app makes it possible for owners to see their cars online during their storage and movement, when servicing.

In this visualization, the exterior cladding of the building is made of glass, with decorative lighting at night possible.

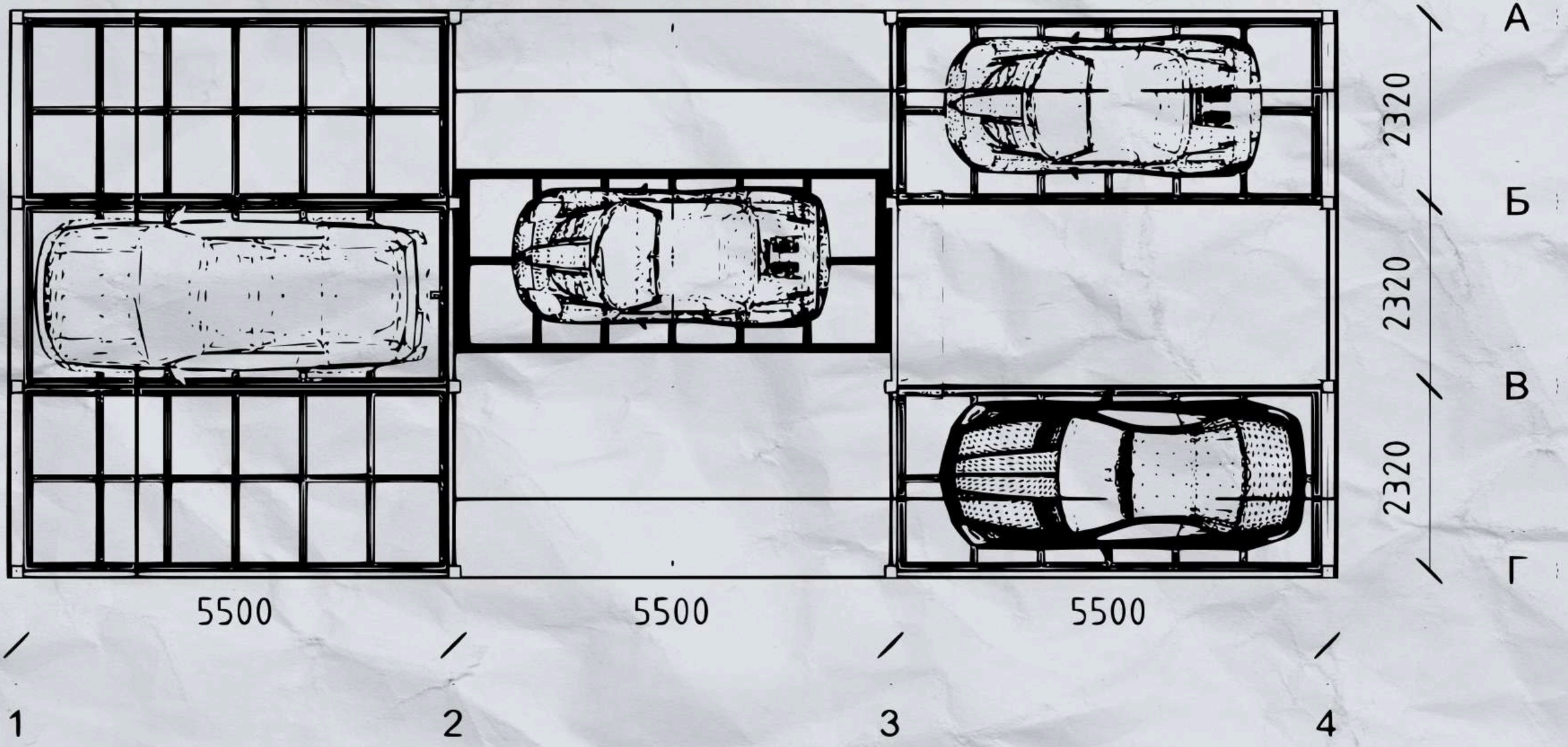
Cladding of the complex can be made of any state-of-the-art materials and stylized for any environment.

The study was made without full engineering survey in relation to the existing facility, and is a sketch example.

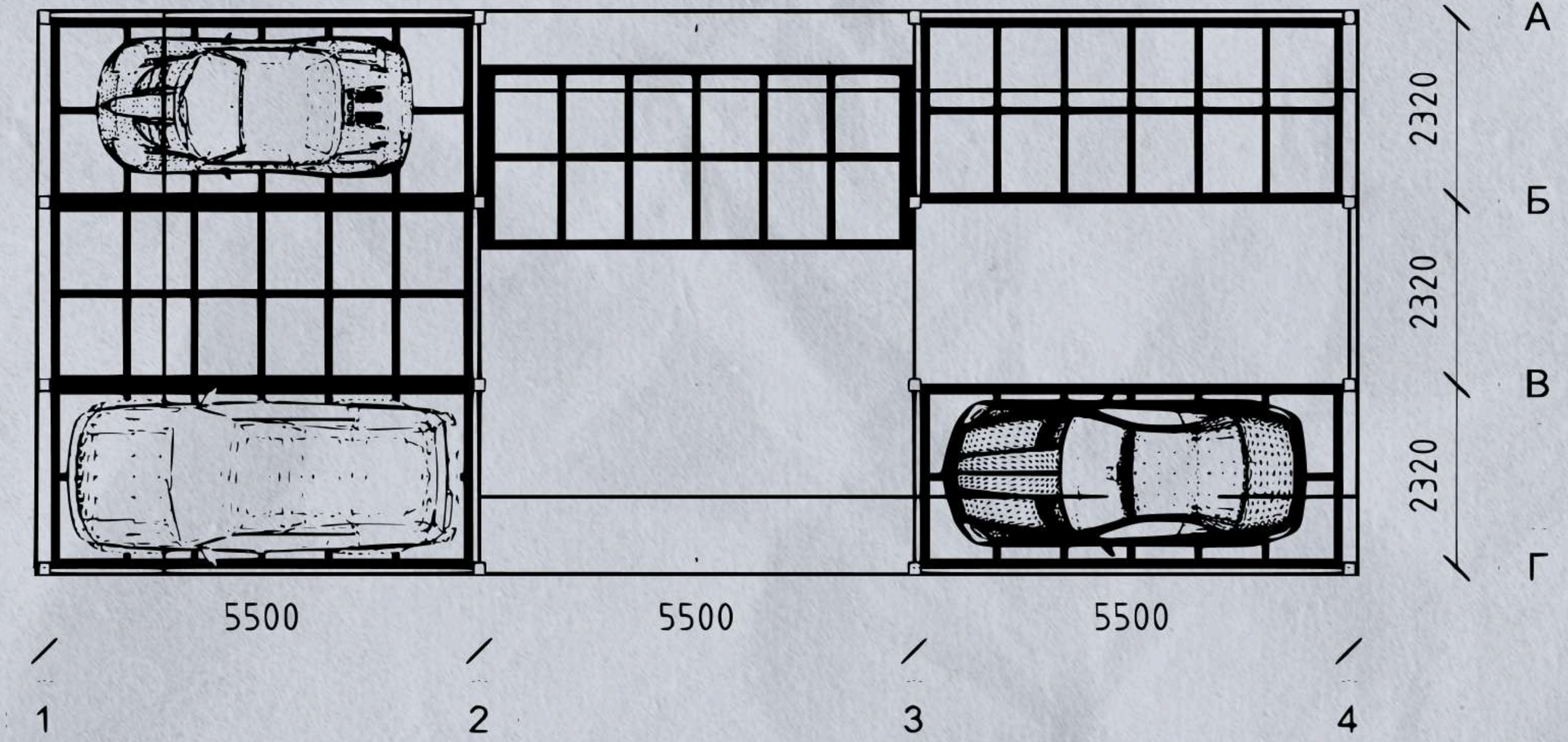
The layout at level 0.000



The layout at level 2.700

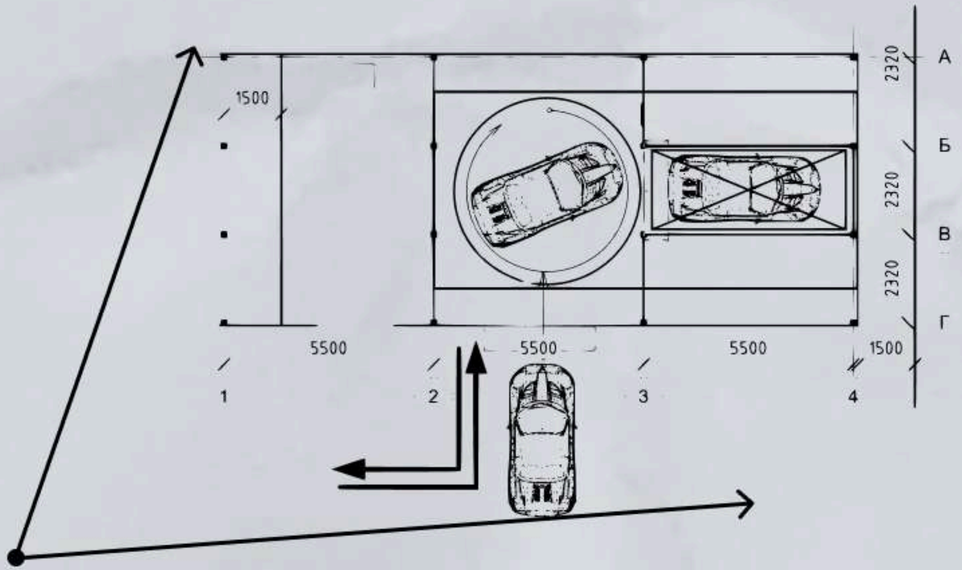


The layout at level 5.100

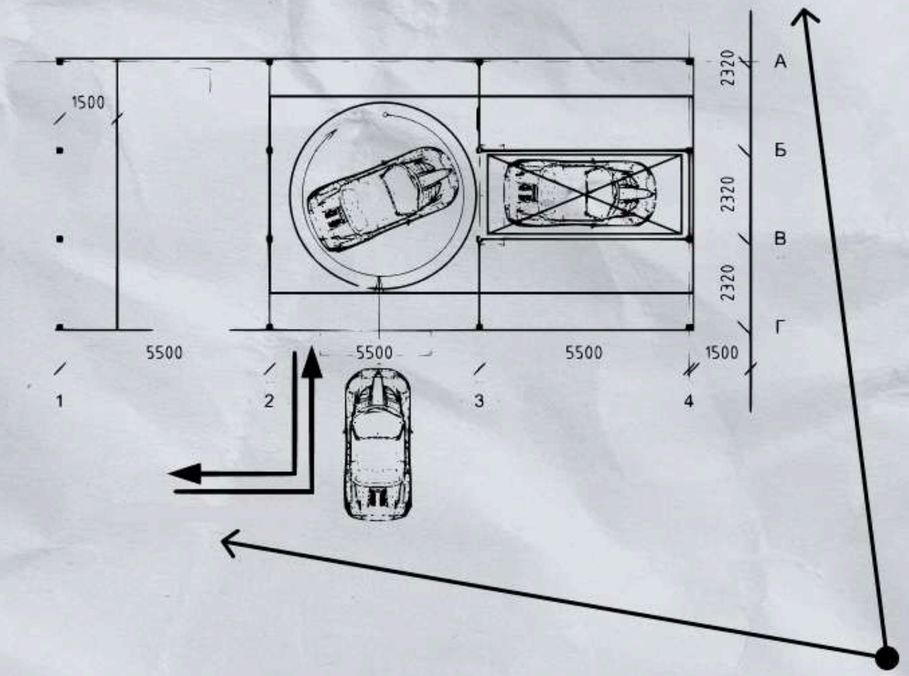


* Increasing the number of parking spaces is possible due to addition of floors, with each floor spacing increment of 2.4 m

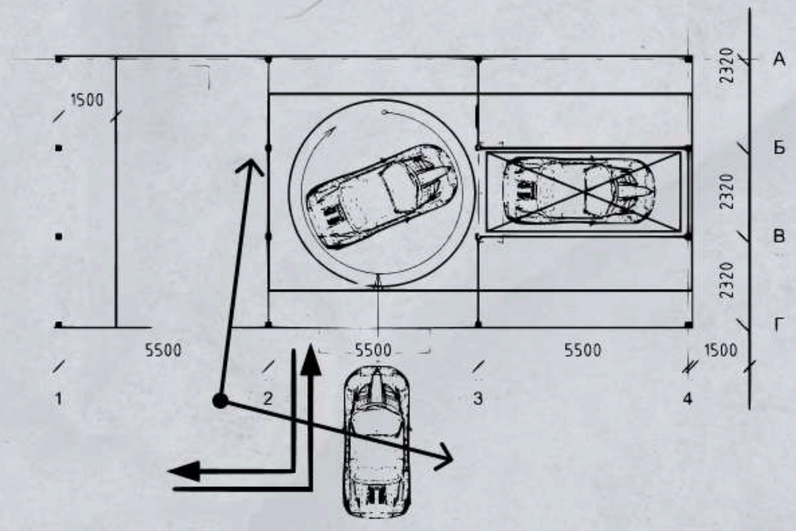
View 1



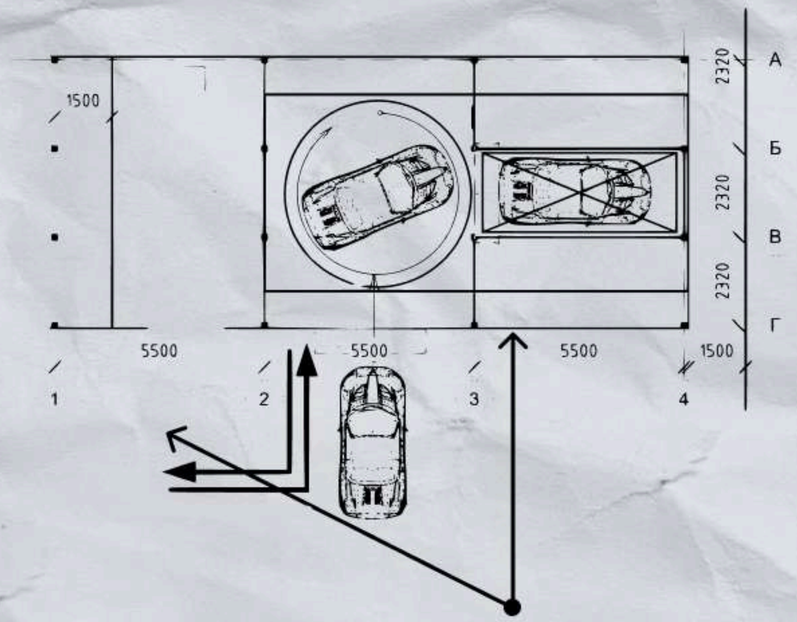
View 2

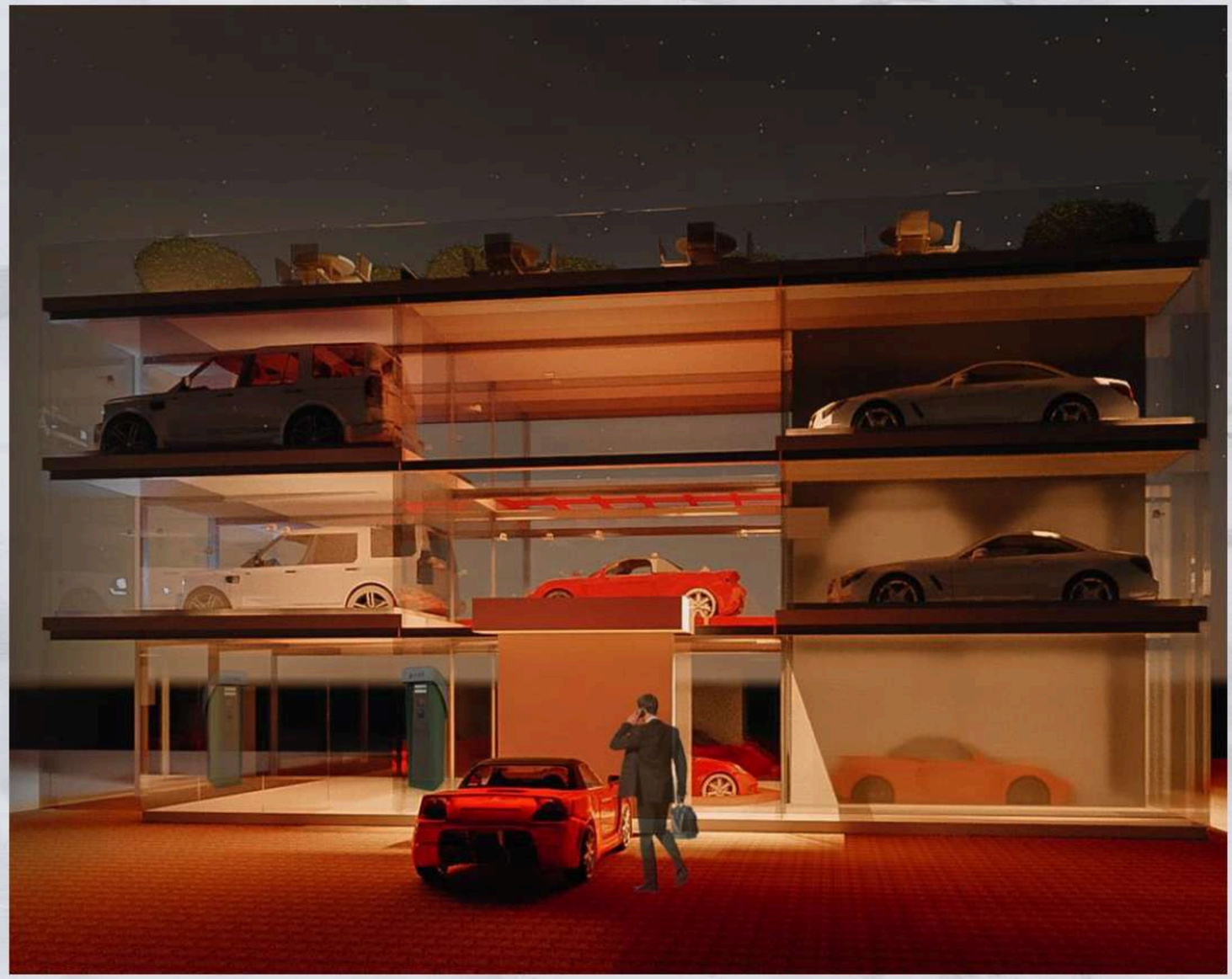


View 3

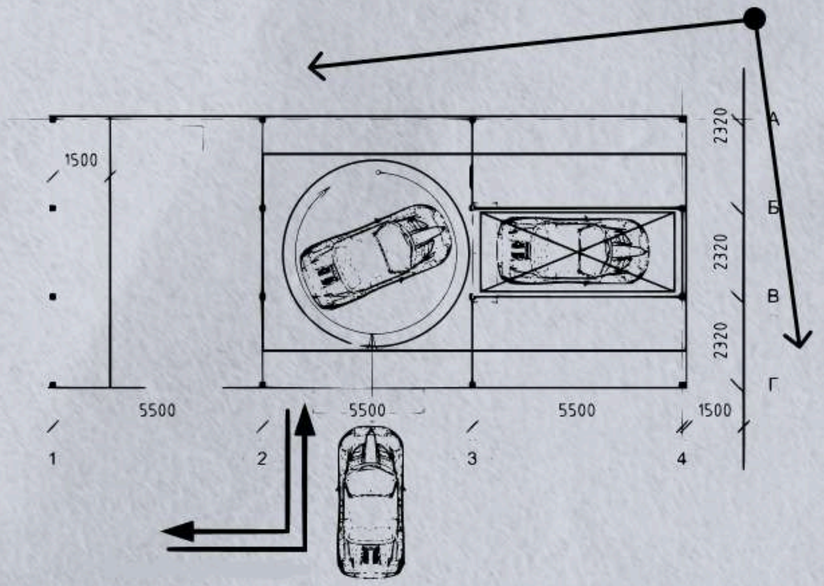


View 4





View 5



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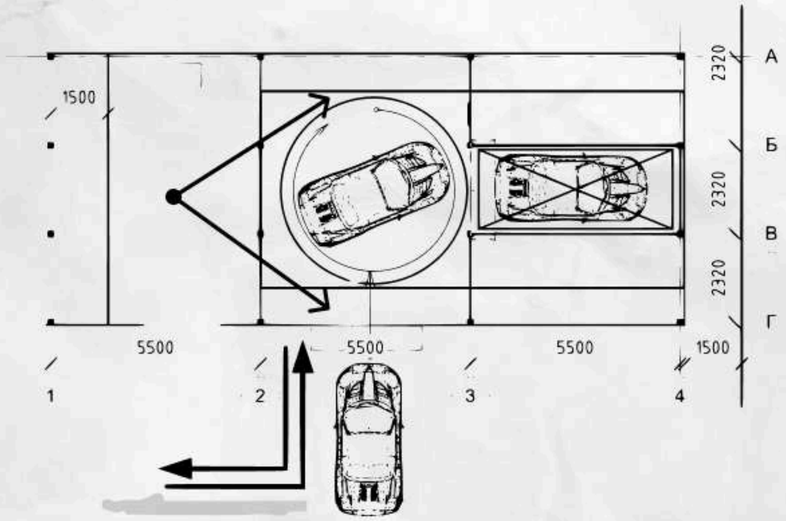

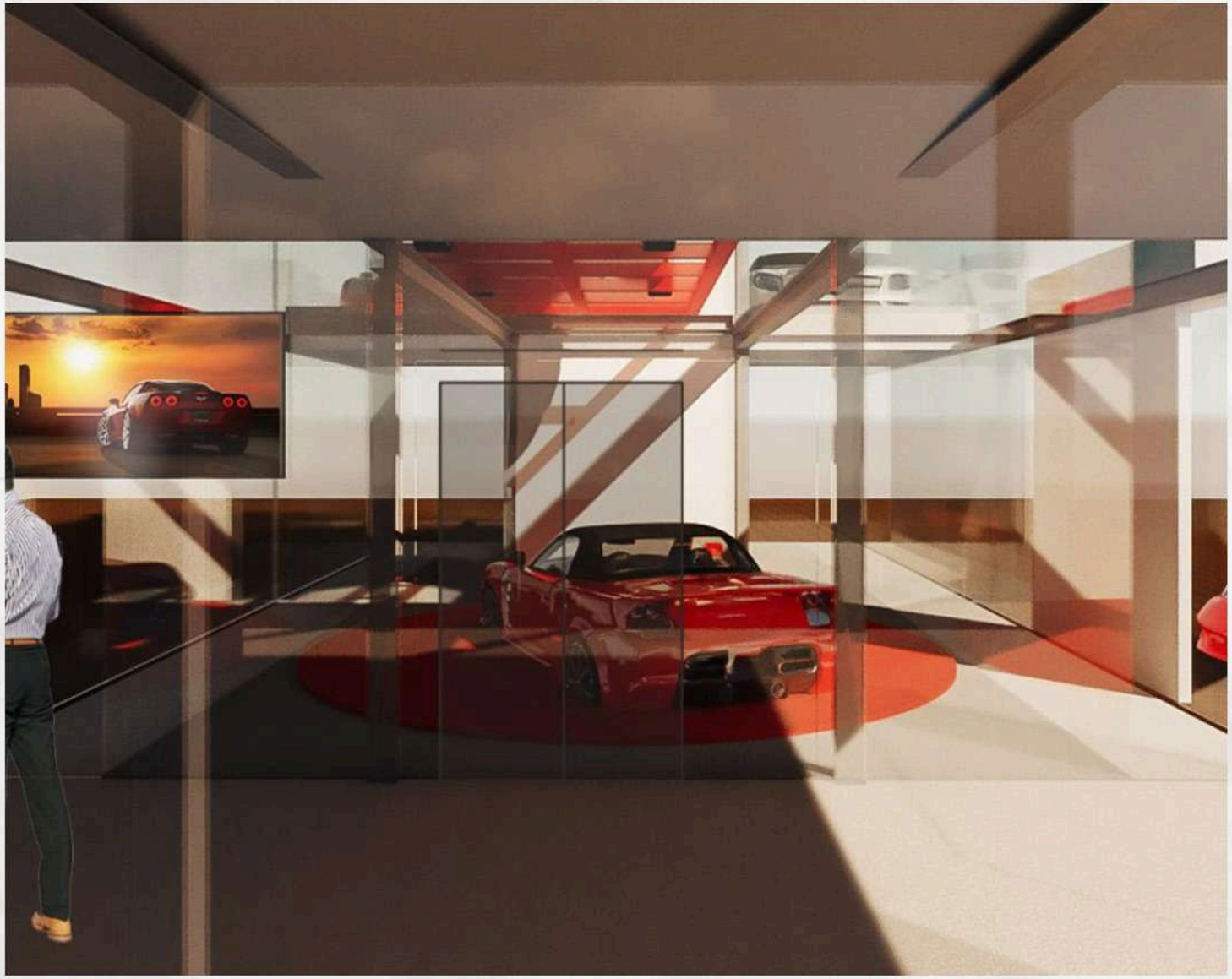

View 7. Environment

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We look forward to the start of our collaboration!

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