

EXPLANATORY NOTE

The project proposal was developed in accordance with the existing environment. Customer requirements were taken into account as well.

"The project provides the efficient functioning of all the activities stated in the assignment. In our project we have tried to meet the requirements of:

- Accessibility
- Safety and security
- Sustainability
- Flexibility and adaptability
- Health and comfort
- Sensory awareness

Solutions for the underground floor

Underground floor is designed completely under the building. Parking ramp is just beyond the border of the outer wall of the main building. We oriented the building this way so that we could preserve as much trees as possible. This solution will reduce the amount of earthworks and the space above the ramp will not reduce the ground floor area. In the underground floor we were able to accommodate parking for 20 cars and a HVAC room. The minimum ceiling height is 2.7 m.

Parking is connected to the lobby of the building with a staircase and an elevator for 5 people. Underground staircase is separated from the above-ground ladders so that the smoke would not get to the top if there is a fire.

Solutions for above-ground floor

All entrances to the building are located on the ground level and have no steps. People with disabilities will not have difficulties to get into the building. All floors are connected by an elevator.

Height of the building parapet is 13.8 m. The building consists of three blocks of different heights.

The first block between is the axes A-E. The second block is between the axes D-H. The third block is between the axes A'- D'.

Reception group is located in the second block on the ground floor. Atrium space is designed in the way so the three floors are united. This space is covered with a glass roof. From the lobby you can get to any functional group.

C - physiotherapy is the first block on the ground floor. The rooms of this block are the highest. They are 4.2 meters high. Each room has a ceiling tracked hoist. Main physiotherapy room has

skylights. This room can be divided into 3 parts, using automatic sliding partitions. All rooms of the group have natural lighting.

E - hydrotherapy unit is located in the first block. Swimming pool has natural lighting and ceiling tracked hoist.

D - Montessori center is located in the second block. The group has its own entrance from the lobby. The main room is well lit by large windows. These windows are oriented to the northeast, so it will not be hot there.

J - Training center is in a second unit on the second floor. The roof has prominent parts, where there are designed extra windows, oriented to the north. The windows make the room well lit, but do not heat it up. Windows are equipped with automatic roman blinds. An open staircase connects the entrance with the training center. This way it will be convenient for renting out.

The groups of rooms F, G, H, I, L, M, N are gathered in the third block. These rooms are not large, so they are grouped into a corridor-type block. In the third block there is staircase and elevator section. 'I' group has a separate entrance, but one can get here from the lobby as well.

Architectural and compositional solution of the building

The task at first glance may seem easy. In a small area surrounded by dormitories, there is a small park. It was not easy to integrate the building with extensive functional content in accordance with regulatory requirements, while maintaining the character of the park and minimizing human impact.

Key formative principles applied in this project are:

- multiblockness, dictated by the need to combine fundamentally different functions in a single composition;
- plasticity, which allows to integrate the new building very carefully into the existing environment and to preserve the maximum number of trees on the site. This is the most suitable for the idea of creating a friendly environment for young visitors;
- terracing, which accentuates the southern character of the building and maximally interconnects internal and external spaces.

The form of the proposed architectural solution is complemented by its functionality. Perforated wall, which creates a feeling of chamberness in the interior and security from the outside world, is proposed as the emphasis of the project. Clinker brick and natural stone have been selected as the main finishing materials. Harmoniously combining, they reinforce the southern character of the building and most fully integrate it into the environment.