

**Feel you surrounded by nature, play on a green roof, arrange a small vegetable roof garden and see the surrounding nature from a new level...**

These opportunities implemented in the project will contribute to the development and rehabilitation of children, will become relevant and interesting to parents and employees of the new Karin Dom Foundation building. The unique location of the building, surrounded by a large number of trees and greenery, creates the ideal conditions for creating an eco-friendly, modern and functional Karin Dom new home.

The main volume of the building is divided into two blocks-houses that seem to grow out of a one - story wooden volume - the first floor with a green roof above it. Large windows and a glazed gallery between the buildings at the level of 2-3 floors let nature inside the building, and the green roof allows children to become even closer to nature and the environment. Dividing the upper floors of the building into two volumes allows to create a clear and convenient scheme of functional zoning, when each function is grouped as much as possible and does not intersect with others, it also allows to create a more human scale of the entire building. The facades are decorated with a combination of 2 main materials-natural wood and white facade panels made of fibrocement. Special attention is paid to the ratio of the area of glazing and area of walls to achieve high energy efficiency parameters of the building. The interiors are designed in a simple style – for finishing, it is suggested to use wood in combination with concrete surfaces. The color scheme is calm and natural.

The architectural and planning solution of the building is made taking into account the need to fit into the budget allocated for the project and at the same time create a unique, modern and eco-friendly building. The total value for the implementation of the project is estimated to be up to 1400000 Euro.

The frame of the building is reinforced concrete. The walls are made of masonry with support on the floor plates. The building has 4 ground floors and one underground level. On the floors of the building are located:

**Underground level** – parking, warehouses and heating/ ventilation room;

**Ground floor** – reception, toy library, physiotherapy, hydrotherapy unit, medical center;

**2 floor** – montessori center, training center;

**3 floor** – center for diagnostics and therapy, center for family-mediated intervention, early intervention center;

**4 floor** – administration, staff rest areas, server room;

## **Project features:**

Accessibility – All entrances to the building have ramps for the disabled. An Elevator with the possibility of transporting disabled people connects all floors of the building, including the underground level. It is possible to drive cars directly to the main entrance to the building.

Safety and security – a simple and clear scheme of organization and zoning of the internal space allows to provide a good level of safety for children.

Flexibility and adaptability – the building is made in a monolithic frame with supporting columns. All internal and external walls are not load-bearing, which will allow in the future, if necessary, to make adjustments to the layout of the building.

Health and comfort – the scale of the building is chosen in such a way as to create the most comfortable and pleasant conditions for a person. Large Windows and green roofs create a sense of unity with nature.

Sensory awareness – natural materials are used in the decoration, the first floor is finished with wood, the color scheme is calm and concise.

Energy efficiency and lighting - special attention is paid to the ratio of the area of glazing and area of walls to achieve high energy efficiency parameters of the building. The project uses all the possibilities to maximize the use of daylight - large windows in the main rooms, dormer windows on the roof, a glazed gallery.

Landscaping - special attention is paid to the issue of maximum preservation of existing trees and creating a convenient and clear zoning scheme for outdoor space. The areas where children's playgrounds are located are fenced and separated from the areas of the main entrances to the building - which makes it possible to ensure the safety of children. Also, as additional outdoor spaces for children, it is possible to use green roofs, in particular for Montessori groups.