

EXPLANATORY TEXT

To achieve a design solution that is inclusive in the site context, we manipulated the local architectural language of Bulgaria which is usually a cuboidal block. We split the block diagonally and created two triangular forms. To hold the triangular forms together, we introduced a long rectangular tube running from the top to the bottom of the entire building through the middle of the building. The tube creates an atrium in the middle of the building block which will be the play area for the kids. The created green space creates a safe, secure and healthy mini-park for the kids to enjoy their playing time.

The location of the tube on the building block makes it the best spot for common circulation installations for example the elevators and stairs.

The plants in the green play area receive direct sun and water from the sky and so do the different plants on the balconies facing the atrium. The green mini-park also creates a link between the exterior and interior of the building with its rich vegetation.

The slanting profile of the building makes it easy for self-drainage of runoff water which is directed to an underground water reservoir which provides water for irrigating the balcony and interior plants during extreme temperatures.

The profiles also have floor window openings that let in fresh air into the building and light. This keeps the building fresh and a healthy atmosphere for the kids.

Different parts of the building are integrated with view ports and green spaces that have plant growth which are easily accessed by the kids and other users of the premises.

The building has an extensive green roof top with a variety of plants which will provide a good resting and playing environment for the kids.

Prefabricated construction technology will be used to construct the building both the reinforced concrete and the cross-laminated timber panels.

Steel structure is integrated around the building to hold the different elements of the building.

ESTIMATED COST OF CONSTRUCTION – 610,200 Euros.