

BUILDINGS THAT GIVE MORE THAN THEY TAKE

AWARD

WINNERS ANNOUNCEMENT 2017





BUILDINGS THAT GIVE MORE THAN THEY TAKE

AWARD

KIDS PRIZE



KIDS PRIZE



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AHA2017115

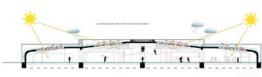














The basic philosophy concerning education in my design of the future kindergarten deals with children's creativity and the development their skills to make by hand using less modern technology. Children should create and make things for themselves not only use manufactured products which can be bought. they should feel responsible learn basic skills and have the most movement. Therefore the interior is equipped with any kinds of equipment for little children, playgrounds.

As for architecture I use wooden frames are placed around column in the middle in the 45° and this way i get triangle shaped parts. The individual triangle – shaped parts can be added of taken away depending on the number of children or the place. In the triangle –shaped parts of the building, there are certain parts of the kindergarten (bedrooms, classrooms, interior garden).

To have the most movement any climbers are made, also in the interior.

With getting older of children the border between sexes is missed, and adventure games or trips to the nature, building some holding places gain ground.

A play is divided into 3 basic categories:

- --- social play with an interactions among participants
- --- cognitive play the goal is getting to know spare unknown or less known event and elements children are interested in
- --- kinetic play supports physical development of a child, e. q. sliding, running, jumping, seesaw and swing, etc.

In my design I have considered 4 groups, each 15 children and the building is divided into 3 main parts. In the entrance part, there are a cloackroom and bathrooms and toilets, the principle's Office is attached to a special room for ill children, a room for detergents and a few seats for parents and visitors.

In the second biggest and he only two – floored room, which is separated from the entrance part with a door (reason is security), there are a teacher's common room, a psychologist's office, en interior garden whore children can grow plants (watered with rain water). In the centre, bathroom's and toilets and above them, there is a space themed room with colored light effects.

The walls of the room are decorated with fairy tale characters.

Children can get to the space themed area by route around the toilets with low and safe climbers.

In the northern side there is a Kindergarten canteen which can be easily reorganized for fairy tale projection on the inner side of the northern facade. In the southern side, there are classroom separated with a wall with little openings for children so that different aged groups of children could have contacts and see themselves or get to each others class.

In the third part, there is a relaxation zone for sleeping for children who don't want to sleep just relax and castle themed climber. There also are bathrooms and toilets and exit to the kindergarten playground and an exterior garden.

The building seal to prevent uncontrolled, with the ventilation.

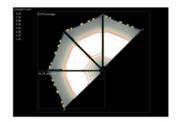
A sensor control air exchange

A building cover ...with the standard consumption, exterior shutters/blinds

A source of energy is near the building or there is the connection, to a central source of energy, e. q. a housing's estate using biomass a heat pumps different kinds of them earthwater, air-water.....

Usage of saving water taps with lower water flow, usage of rain water for watering plants, an environmentally friendly source, wooden constructions

Concrete fundamentals, an isolation made of recycled materials, cellulose (groundings)







active house
BUILDINGS THAT GIVE MORE THAN THEY TAKE

JURY

VELUX®

Kamil Mrva – Kamil Mrva Architects Michal Krištof – Chybik + Kristof Architects & Urban Designers Martin Jančok - Plural Lone Feifer - Velux Denmark, Active House Institut Klára Bukolská - Velux Czech Republic















BUILDINGS THAT GIVE MORE THAN THEY TAKE

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HONORABLE MENTION

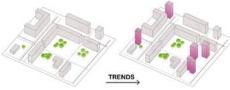




Lenka Bakova

Slovak University of Technology in Bratislava, Faculty of Architecture, Slovakia

AHA2017149



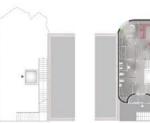
FUTURE PROBLEMS
- LACK OF SPACE NOT ENOUGH ROOM FOR LARGE
KINDERGARDEN COMPLEXES
- TAKING UP GREEN AREAS

DENSIFICATION VERTICALISATION





SPECIFIC SITE PLAN
IN BRATISLAVA - PETRZALKA >
SCALE 1:500





TYPICAL SITE IN BRATISLAVA - PETRZALKA SOLUTION - PARASITIC APPROACH: - USING EXISTING BUILDING STRUCTURES, FACILITIES



1ST FLOOR +6,000 SERVICE FLOOR 63,4 m³



2ND FLOOR +9,500



3RD FLOOR



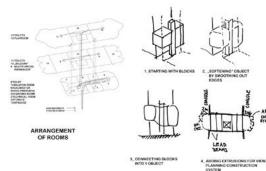
EASTERN ELEVATION



WESTERN ELEVATION SCALE 1:100



DAYLIGHT FACTOR FOR PLAYROOM #7%











Tereza Zvolská/Ivona Uherková

Brno University of Technology Czech Republic

AHA2017109













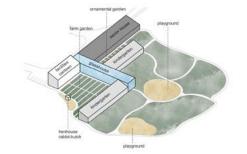


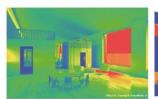










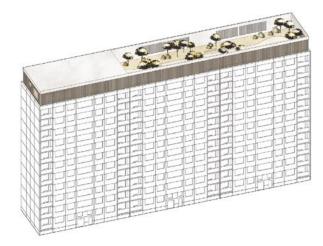








activehouse **AWARD**



Jakub Brahmi Langnerová Karolína Malíková Marieta

Brno University of Technology, Faculty of Architecture Czech Republic

AHA2017102













THE HEAVENLY

The goal of this design is to propose a solution touching the topic of buildings from socialist era built in the second half

As it is neccesary for a design to have a particular location or context to be able to serve its purpose in an adequate manner, this design is aimed on areas of prefabricated socialist buildings in Czech Republic.

This proposal is not taking the advantage of a particular location as these tall buildings were built in various parts of the country and the conditions of different areas have specific, often not very welcoming conditions for building additional objects. The proposal is rather focusing on the

These socialist buildings were built in diverse types and large scales of sub-urban areas trying to set an universal solution for modern housing. Therefore this proposal is meant to be an upgrade - not for ideal, but existing wide spread

As an example serves the type $\mbox{,OP 1.13}\mbox{''},$ There are 64 buildings of this type built in 10 different cities across the country. In most cases are these houses built in sets of at

The subject of the design is an extension of such set of units -A kindergarten built on top of one unit and attached garden on top of the remaining ones.

Targeted group of users are the residents of the extended buildings. The Kindergotten can provide places for up to 20 children - which is about the average number of pre-school aged children living in such building complexes according to calculation from demographic data.

environmentally economical. As the children come from close neighbourhood, the social ties are being reinforced. Children having friends in the same building transmit this spirit to their parents and they all have an apparaulty to get to know each other as well to make their living environment more familiar and friendly. Having just one classroom with children of various age helps to develelop better social skills - the children naturally learn to communicate not only with kids of the same age.

enough outdoor space thanks to the roofton parden. where children have options of different kinds of play or the possibility of planting small vegetables and fruits. Through hese processes they are able to learn responsibility and other important traits.

Small distance between the Kindernaten and the place of residence saves the time and energy consumed for

accompanying the child to Kindergarten.

The building itself doesn't require additional land, therefore it saves space in the neighbourhood for other function which would require direct access from the street. Its position also allows to obtain as much light as needed.

Working with just a little space - considering the placement of Kindergarten - the location is asking for a simple and minimalistic solution.

The Kindergarten is in the shape of a block with attached garden protected by perforated wall, it's covered all around with boards serving as a shading that unifies the whole expression of the extension, creating a semi-transparent,

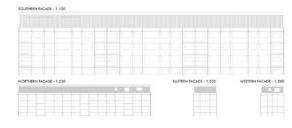
consistent and simple appearance.

As most of the socialist buildings are getting insulated and colourfully painted, white would be a colour of choice for the Kindergarten, as the extension should not contradict its ironment, on the contrary, it should work as an interesting element enhancing the perception of the area.

Construction would be light wooden, made of timber fromes with OSB covering and mineral wool filling. Width of the construction would be: outer walls - 500 mm and roofice -

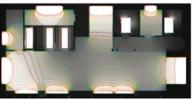
The whole extension is covered with row of wooden boards which are interrupted in areas of windows and doors, except the southern side of the object. There, the row continue in front of the windows and can be rotated to adjust the smount of light coming in and to provide the cazy and safe feeling for the children.

The floor is lifted up above the original rooftop to store all the neccesary building equipment. In the garden area, the planted trees are provided with 1 m thick and by tree-size designed bright layer of soil for enought nutrition.



DAYLIGHT FACTOR





ACTIVE HOUSE RADAR

echanges is availed through shading - littlemal shading of windows in liest world gotts on the mexican and waters port and with external board shading is 350 days are shading to 350 days as shading without plant obtains. Though this against in each norm would be granified by floor healing.

RECOURANT GUARTY
Fresh or redoors will be provided by the recovery process using an Elizer since windows connect be opened due to the softeny of children. Microdinate in enclased garden would practicably be may placed thank to many different plants growing.

ENERGY

ENVIRONMENT





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Kamil Gross

Brno University of Technology, Faculty of Civil Engineering, Czech Republic

AHA2017156

"Future Kindergartens"

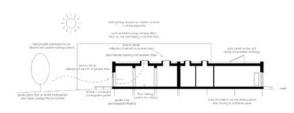
URBAN SOLUTION STATISTICS 0 0 □ □ ○ - a 000/







SECTION - OPTIMALIZATION OF INSIDE SPACES











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BUILDINGS THAT GIVE MORE THAN THEY TAKE

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AWARDED PROJECTS





BUILDINGS THAT GIVE MORE THAN THEY TAKE

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2nd PRIZE



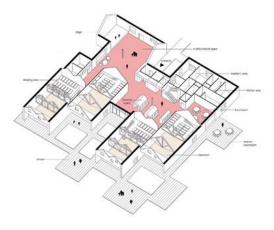
2nd PRIZE

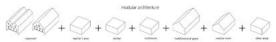


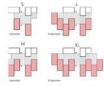
Tomáš Jozefík

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AHA2017118













































Active House Radar





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BUILDINGS THAT GIVE MORE THAN THEY TAKE

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1st PRIZE



1st PRIZE

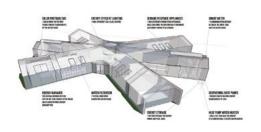


Máté Asbóth / Josef Borák

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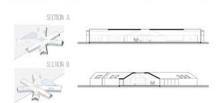
AHA2017123











DIR MAIN AM WAS TO CREATE A PEASENL. AND SOWN BOMPOWENT FOR THE CHILDREN.
WE GUT THE CIEA ON A REDITFUL SONNY AFTERMOON WHEN WE SAW A PART OF TOWNSPLAYING.
HICE AND SEEK ON THE PLANGROUND. THEY WERE AROUND 5 YEARS OLD AS THER MODULMAS.
WANNIG HER HANGS I SAW THAT THE TIMAS WERE STIMBING BEHINDERHOTHER FROMMY VEW.
IT SERBED LIKE THAT FROM A BODY 4 HANDS ARE WANNIG THIS LITTLE STORY INSPECTIORS.
ARCHITECTIFUL DISSOLL THE CONDIDENTAL MINERS OF HARPY ACCROMINGS ABOUND THE ALDREADAM.













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BUILDINGS THAT GIVE MORE THAN THEY TAKE

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JURY PRIZE



JURY PRIZE

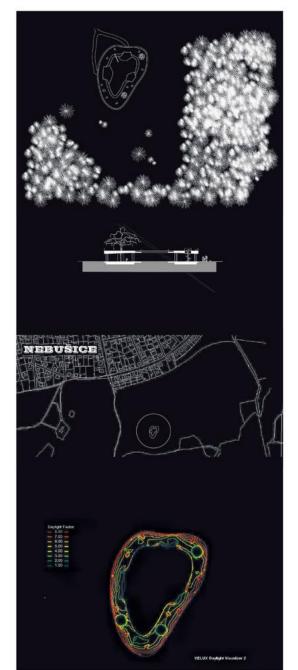


Martin Odehnal/Jakub Marek

High School Josef Gočár in Prague Czech Republic

AHA2017155













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Bringing light to life.

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