

How the creek of Myllypuro should be taken under the consideration in planning the campus area?

# METROPOLIA CAMPUS TEAM

Relaxing
Phenomenal
Togetherness
Applied physical education
Working with special groups like physically impaired children etc.

Art therapy Learning Garden therapy



# FROM THE BEGINNING



View accross the street from the site.



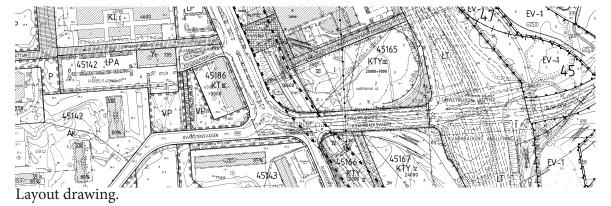
Intersection facing to the site.



Wood on the site.



Creek of Myllypuro.





There is lot of square meters top of the buildings which could be used somehow. Nature is really important for us, mentally and physically as well.

As a students we would like to find different kind of places for learning, relaxing, eating, sleeping, hanging around and spending time with friends.

We also now that there is lot of buildings to be used from nine to five. Why don't we try to change that one? Maybe we could rent spaces and get some incomes too.

When construction work will start, the first thing will be that existing forest will be tipped over.



Current and common situation

#### WHAT WE WOULD LIKE TO SEE IN FUTURE













# POTENTIAL BENEFITS OF ROOF GARDEN

Reduces storm-water runoff as part of sustainable drainage systems.

Increases roof lifespan.

Reduces energy use.

Helps with climate change.

**5** Lessens the urban heat island effect.

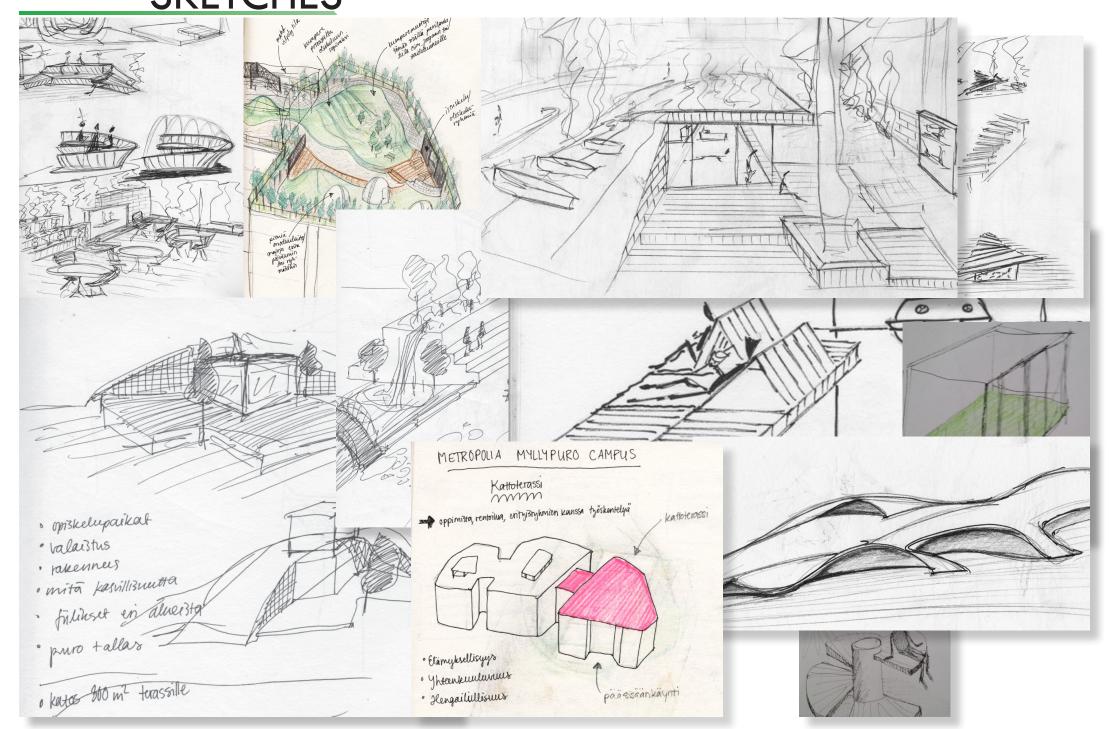
A Increases biodiversity.

Improves air- and water-quality.

Reduces sound transfer.

Creates amenity space.

PRELIMINARY SKETCHES



### FLOOR PLAN

with five different sections



#### Entrance to

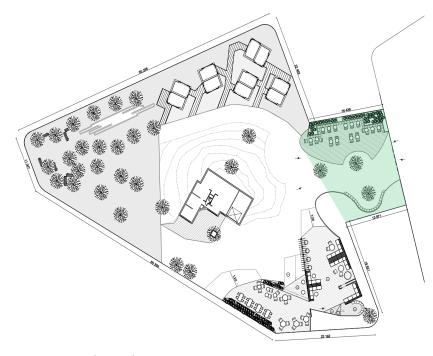
# ROOFTOP

The distant horizon, the expansive panoramas, five different zones and the clean air are the main features of this roof top.

Depending on the building location with four seasons, this roof top can create such an effect of depth that the exterior space itself comes to be seen as part of the interior. The climatic conditions also affect the choice of vegetation and materials.

There is around 3000 m<sup>2</sup> of space and if we just want to, we could triple that amount up to 9000 m<sup>2</sup>.

# ROOFTOP



Floor plan



View from the entrance to roof.



View from the terrace over the doorway.

### **BERLIN**

We wanted to create the space with sofas and fireplace. Time to learn or relax. Having party and meet people.

Wood is the preferred option on this type of terrace, for both the furniture and exterior finishing, as its surface is resistant, durable and non-slip.

Architectural elements such as pergolas, brick walls and vertical differences are major recources when it comes to designing this part of roof top. The arrangement of these elements makes it possible to play with the compositions created by the shadows over the course of the day.

# **BERLIN**



Floor plan



Large area for studying, eating, relaxing etc.



Deck over the terrace. The view of the sky takes on great importance and a very intimate setting can be created.



# HOUSE-L

This is our hide and seek house. It is covered by the grass and trees with undulating terrain. A building typology with no clearly defined purpose.

The refined addition can act as guest house, studio, meeting place, sauna or learning environment. A retreat and place of inspiration, the house infuses a sense of enjoyment into its role as both work place and recreative.

A multifunctional, semi-open plan establishes an immersive and protective interior landscape, where outermost rooms overlooks the terrace from a sheltered vantage point.

### HOUSE-L



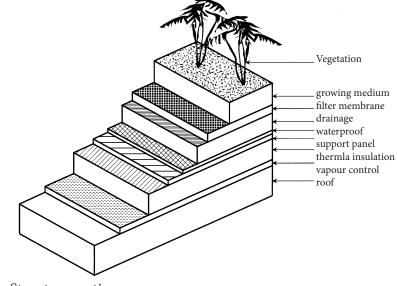
Floor plan



Undulating terrain over the dwelling.



Sketch from the "porch".



Structure section.

### **CABINS**

We wanted to create individual spaces for students. Sometimes you would like to have a privacy with your work group or sometimes you would like to have a nap during the day.

This part of roof allows it, the dwelling can serve as a veritable vantage point. A simple platform with few furnishings is sufficient to set off the panoramic views of the landscape.

Duckboards will lead you to the cabin which combines materials such as stone, wood and metal.

# **CABINS**



Floor plan



Generic view of the cabins layuout.



View from the inside out.



#### Under the

### APPLE TREE

Our keyword on this part was quiet, relaxation, being out of reach, getting back to basics, feeling human again.

Vegetation plays a major role on this area. Not only the plants chosen for the terrace itself but also the lushenss offered by the surrounding natural landscape.

The possibility of putting plants and small trees to the roof creates a very close relationship with nature.

This part is mentioned to calm you down. There is water element, there is trees. Then, all of a sudden, the sky becomes a mass of stars. The world is more beautiful.

#### Under the

# APPLE TREE



Floor plan



Sunset on the garden area.



Sunset on the garden area.

#### GREENING OUR ROOFS

For the first time in the history of humankind, more people live in cities than in the country. As more people flock to the city, green space continues to be gobbled up by new urban and suburban development. Vast expanses of asphalt roofing and hardscape surfacing bake under summer sun as air conditioning units run full blast. Energy consumed to offset this heat island effect contibutes to the expulsion of carbon dioxide gases into the atmosphere. Repercussions include a thinning of the ozone layer, perpetuating this cycle of global warming.

Bringing plant life back into the city will put a clog in this cycle as vegetation naturally cools the air and photosynthetic processes convert carbon dioxide to oxygen.

In general, green roofs can be installed on any type of deck but green roof design is still in its early stages.

number of municipalities, such as Toronto, Canada, have implemented bylaws that require the implementation of green roofs on any new construction project. While these initiatives present a step in the right direction, the building industry is still a long way off from understanding the full extent of green roof implementation and management. Architects and designers must work in consortium with agricultural specialists to develop innovative approaches and design guidelines for rooftop growing.

### THANK YOU.



Julia Turunen Interior designer - SIO, student +358-44-511 6395 julia.turunen@metropolia.fi



Merja Mähönen Designer, student +358-40-736 2609 merja.mahonen@metropolia.fi



Tero Pennanen Interior designer - SIO, student +358-50-359 7474 tero.pennanen@metropolia.fi

