

This project strives for social cohesion between young people, which will result in a healthy neighborhood in the future. In this document the neighborhood that will be focused on is Tilburg-North.

This essay describes a research of the lifestyle of young people between 12 and 18 years old, the next generation, in the Tilburg-North. The analysis of the results shows the bad relations between the neighborhood and the city center and between the neighborhood and the rural area.

The project introduces the concept, The Missing Link. This concept stimulates **social interaction** through various interventions spread throughout park, centrally located in the neighborhood. The interventions stand out and give Tilburg-North the distinct identity that it is lacking, which is done by engaging the public directly through supporting a wide range of activities for the users of the public spaces.

The Missing Link modestly adapts the lifestyle of the young people. It encourages young people to become physically active. In addition, the design responds to education, safety and knowledge of healthy food for young people.

SOCIAL PROBLEM

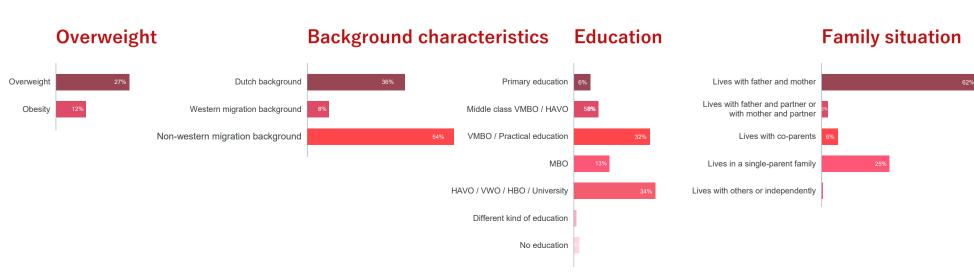
Almost 55% of adults and 20% of young people (age 12 to 18) in the Netherlands are either overweight or obese; these percentages are pretty similar across the country. Obesity is a significant risk factor for several diseases, such as type 2 diabetes, cancer and heart disease. It can also affect people's self-esteem and mental health. Therefore, reducing obesity, especially for children, is a priority for The Ministry of Health, Welfare and Sport (HWS) and health agencies across the Netherlands. The Ministry of VWS encourages people to adopt healthy lifestyles: to exercise more and keep a balanced diet. The ministry has drawn up a National Prevention Agreement to improve health in the Netherlands.

Architecture can reduce overweight in the deprived neighborhood Tilburg-North in the Netherlands.

LIFESTYLE, YOUNG PEOPLE

Deprived neighborhoods are usually quite culturally diverse. Every cultural group has its rituals. The living patterns of many adults are based on the rituals of their own culture and are seldomly open to change. The future of the neighborhood is in the hands of the young people. The focus must be on the young people of Tilburg-North, because they are the future of the neighborhood. Young people are more willing to adjust their living patterns. Motivational and challenging new lifestyles invite young people to share them with their families. Parents and perhaps grandparents are willing to adjust their living patterns if their children share their knowledge motivationally. The newly acquired living patterns will more easily be passed on to the next generation.





LOCATION

The Netherlands has groups of residents that profit less from our welfare state. They are not economically independent or do not take an active part in society.

The causes of rapid increases in the levels of obesity are complex, and the influence of the environment where people live is one of the

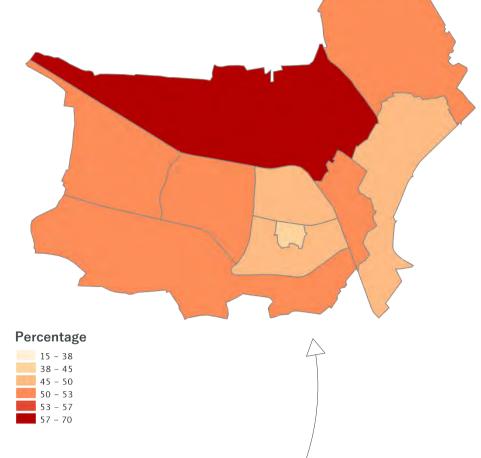
These factors can be exacerbated in deprived areas. For example, children living in the most deprived areas are twice as likely to be obese as children living in the least deprived areas.

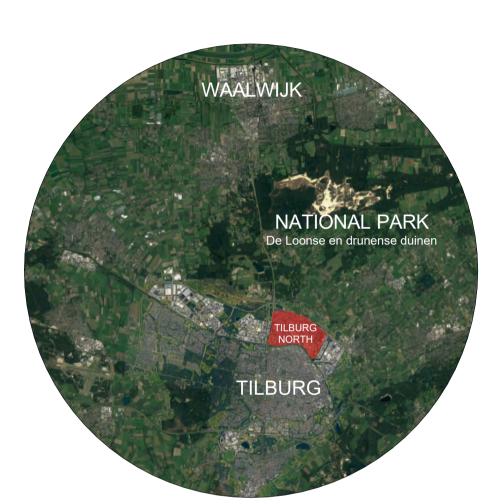
An example of a deprived neighborhood in the Netherlands is Tilburg-North:

1. The district scores are high on rankings on which one does not want to score high at all.

2. Primary school children in Tilburg-North need extra care the most of all children in Tilburg.

3. There are youth gangs active on the streets that negatively affect the livelihood of the children in Tilburg North.





Tilburg-North is an independent neighborhood, hardly connected with the surrounding areas. The city center is located to the south of the Wilhelmina Canal. To the west, the district is closed off with the industrial area by the Midden-Brabantweg. A disconnection also applies to the east side, where the Wilhelmina Canal separates the two areas. There is no connection to the rural area by the N261

road in the north of the district.

The people in this neighborhood must be positively stimulated to adopt a healthy lifestyle.

ACTIVE DESIGN

A healthy-weight environment supports people in avoiding being overweight or obese through the design and provisions of the place. Specifically, a healthy-weight environment promotes physical activity of all sorts and ensures that sustainable transport and active travel are promoted into everyone's daily life. It helps people access and choose healthier goods (in terms of food and drinks) and services (such as healthcare) that support them in choosing a balanced diet, leading an active lifestyle and maintaining a healthy weight.



Playfulness

Young people do not want to sit at home all day. They want to undertake challenging and entertaining activities with their peers.



Safety

A safe place is a basis for a healthy living environment. Young people have social needs and want to spend time together, on the condition that this takes place in a safe place. In addition, parents are more likely to allow young people to go outside if they know it is safe.



A healthy neighborhood must be accessible to everyone. No distinction should be made between gender, family background, age, etc. Being transparent to neighbors and peers will lead to a solid social connection within the neighborhood.



Collaboration

Together people are more potent than alone. Various parties are actively involved in the health of the young people in the neighborhood. Collaboration with other organizations and companies will boost the health



Differentiation

Young people want a unique, exciting playground suitable for themselves and their peers.



Accessibility

Young people are not willing to travel far for social activities. They require a centrally located place that is accessible to the entire neighborhood and can accommodate enough people.

CONTEXT AND RESEARCH ----





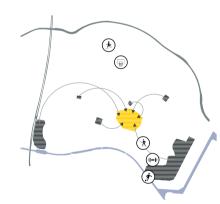








GREEN VEIN IN TILBURG-NORTH



neighborhood structure.

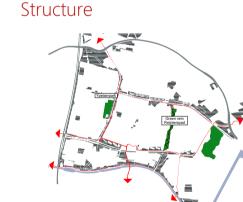
Nutrition

The goal is to achieve diversity Introducing the residents of The opportunities are in the The area, the green artery within the accommodation in Tilburg-North to healthy food, center of the district, in Reijnierspad, offers the most terms of age, gender and this food must be brought to a between buildings. Bringing opportunities to influence the interest. The sports facilities central location in the education to these places, lifestyle of young people. The

should be located at visible neighborhood. and easily accessible locations Collaboration with farmers in learning new things. and should be part of the the rural area offers opportunities neighborhood entrepreneurs.

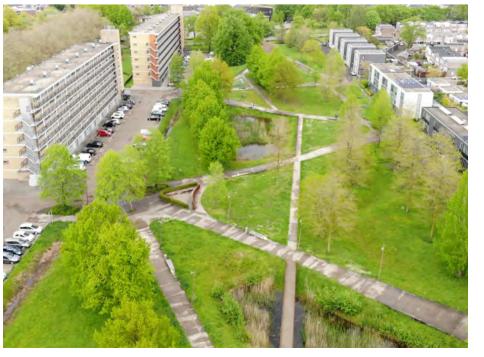
Education

and or workshops will improve the interventions. education of the youth in the neighborhood.



young people will be open to residents of the district rarely use this park. This offers many possibilities to create a social the Accommodations for tutoring environment with architectural

The green vein in the center of the neighborhood offers the perfect opportunity to activate young people. This green area consists of varying lawns, a few ponds, bicycles- and walking paths, bridges, and some facilities such as a football field, playground equipment, and benches. The spacious layout offers possibilities to apply various sports facilities. These multifunctional activities will motivate all young people to get physically active in this space



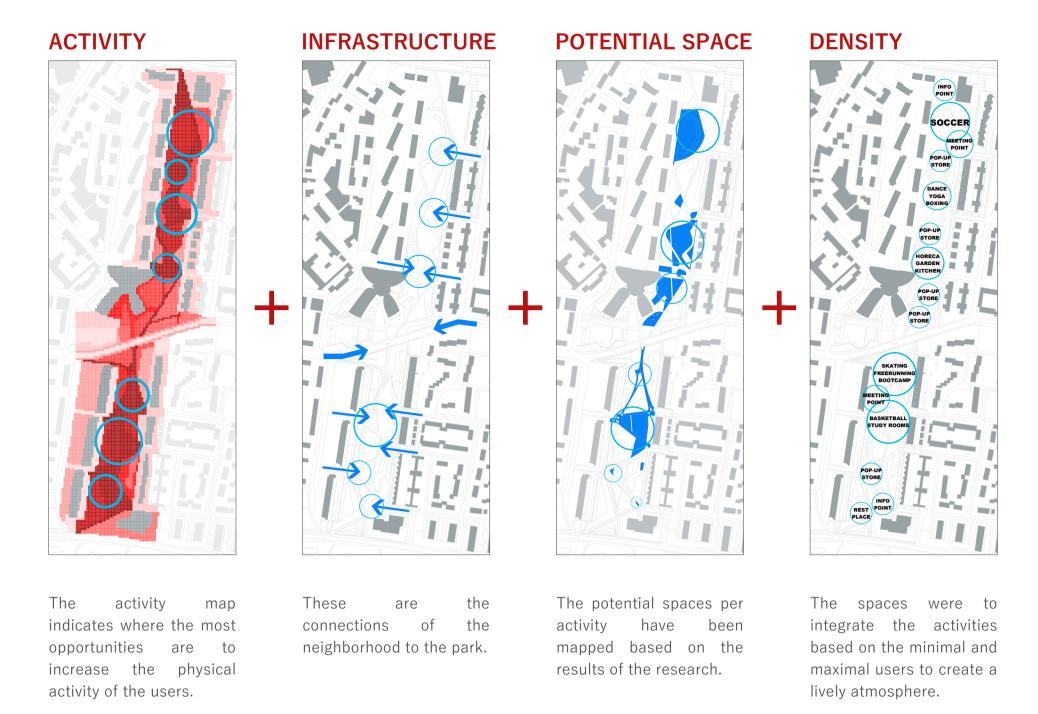




DESIGN CONCEPT

The concept refers to the historical plans in the neighborhood and is enlarged by extending this infrastructure line to exciting places in the area. The rural area in the north and the city center in the south.

By integrating an attractive, slow-traffic route into the neighborhood, the opportunities of the young people are opened up to the surroundings of the Tilburg-North district. The young people will come together on this path to be introduced to diverse and multifunctional activities related to a healthy lifestyle, physical or visual.



URBAN STRUCTURE

The urban development structure of the location has a precise grid. This grid has not changed over the years. What did change is the function of the new park. Around 1960, Tilburg-North consisted of a small village. The park's location was the connecting route for cars traveling between the rural area and Tilburg. This connecting route later disappeared and was replaced by a relatively large green facility that splits the district in two.

Incorporating the urban grid into the project plan creates a relationship between design and surrounding buildings. This relationship will strengthen the transition from the neighborhood to the project plan, and the connection between the split neighborhoods will be restored.



POTENTIAL SPACES

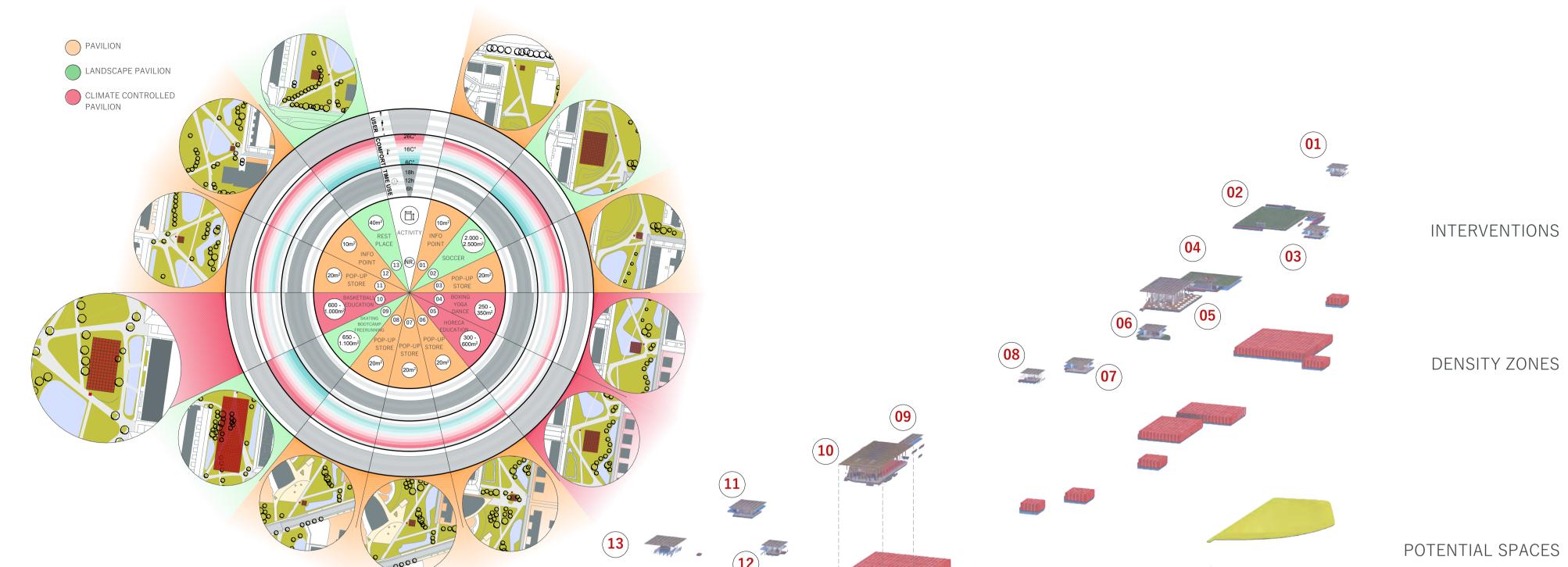
Tilburg-North connected to the city and rural area

An exercise-friendly environment is an environment in which users are encouraged to move actively, play and exercise. An environment with activities based on the facilities will result in a sustainable project. In order to shape this environment to the wishes of the target group, several activities are essential in the design. These activities meet the needs of the target group.

Tilburg-North is divided by the park



DESIGN PROGRAM CONCEPT ----



The interventions each have their schedule of requirements. The dimensions of the park require a specific occupancy rate to create an attractive space. This occupancy rate is divided into the interventions responsible for a space requirement (middle circle in the diagram). Every intervention has a specific need for use, climate, and target group (outer circle in the diagram). Based on this need, the interventions can be divided into three groups. A group longing for a physical building (red color). A group longing for attributes in the landscape (green color). Finally, a group that longs for a pavilion for shelter (orange).

Based on a few design principles that will result in behavioral change in the users, one coherent design will result from the 13 interventions. Implementing the same design strategies will result in various physically connected pavilions utilizing the current park structures and speak the same architectural language.

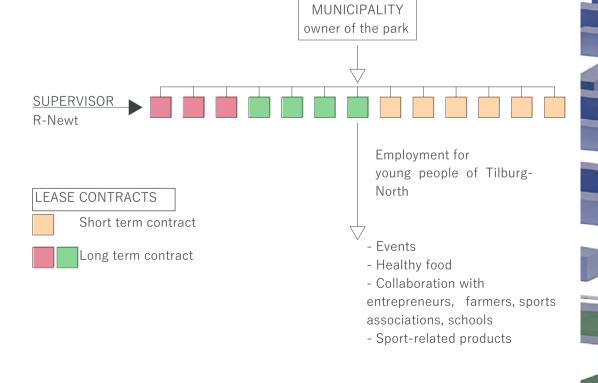
CURRENT SITUATION

WALKING / CYCLE PATHS

OWNERSHIP

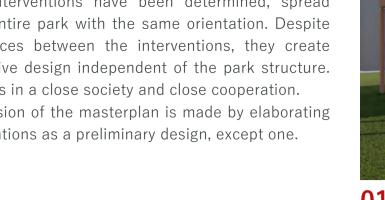
The project will restore connections both in the neighborhood and with the city /

countryside.



firms can be part of this project. The zonthirteen interventions have been determined, over the entire park with the same orientation. [the distances between the interventions, th one cohesive design independent of the pa

To make the project more dynamic, various arch









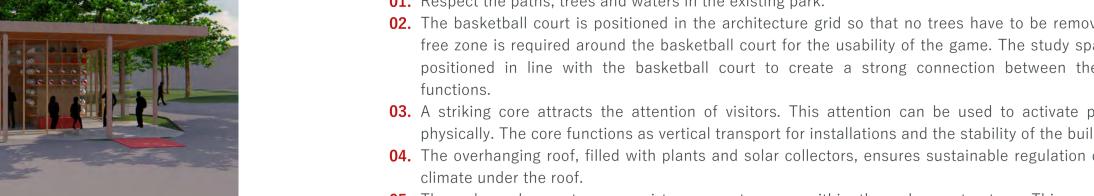


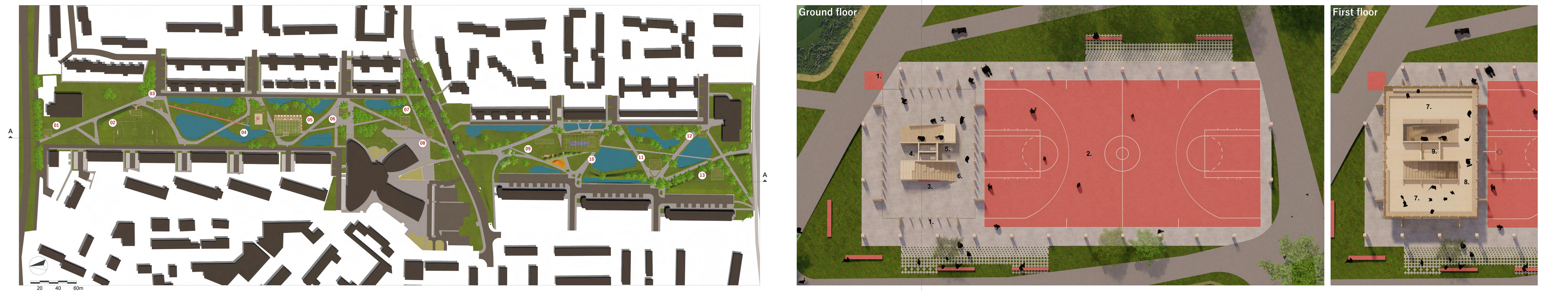




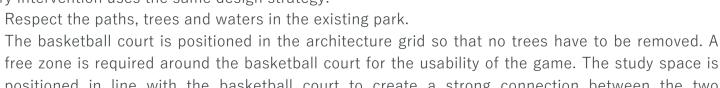




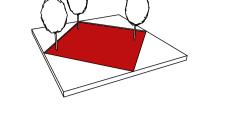


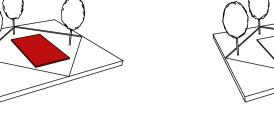


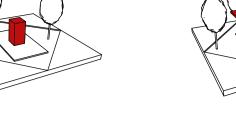
1. Respect the paths, trees and waters in the existing park.

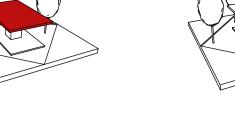




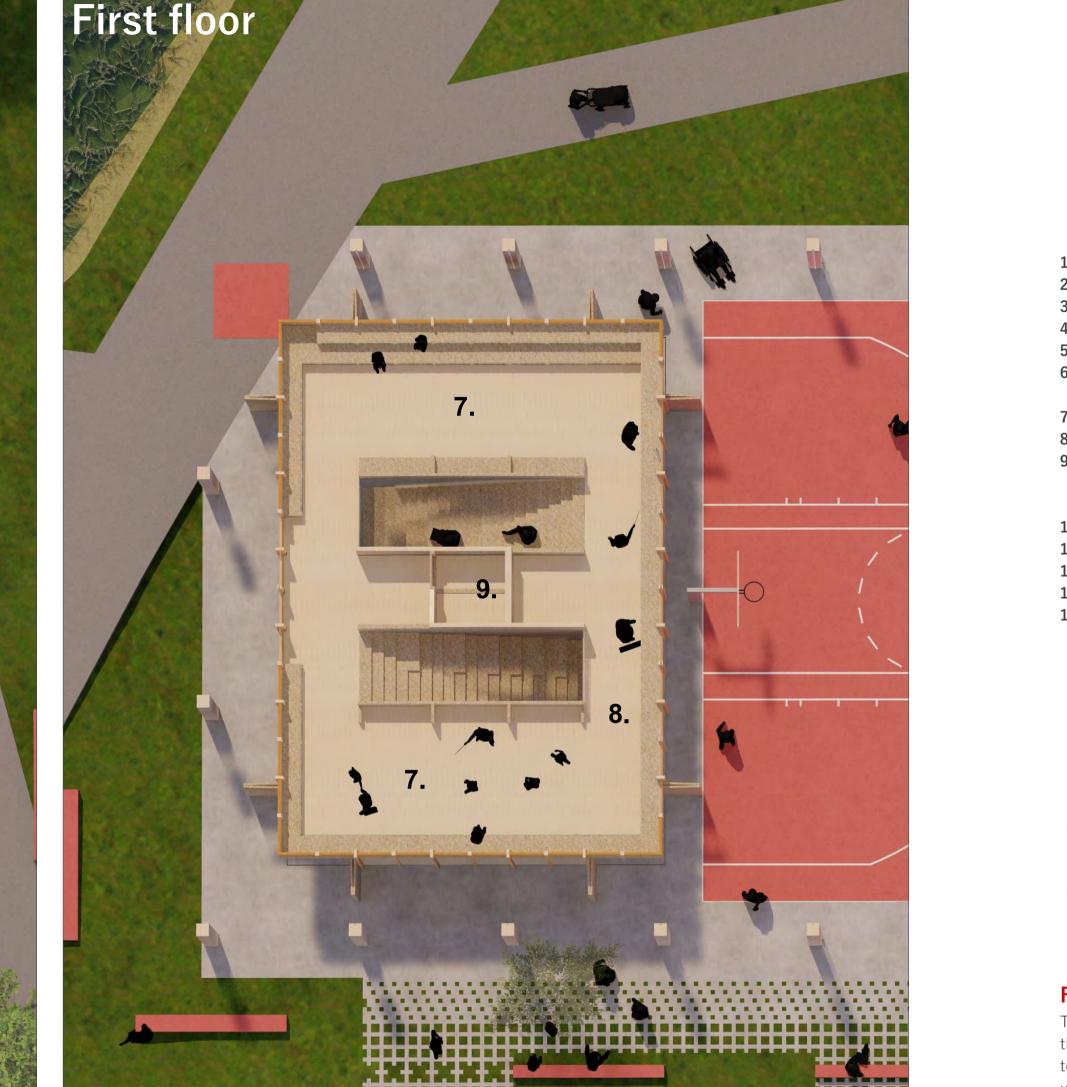


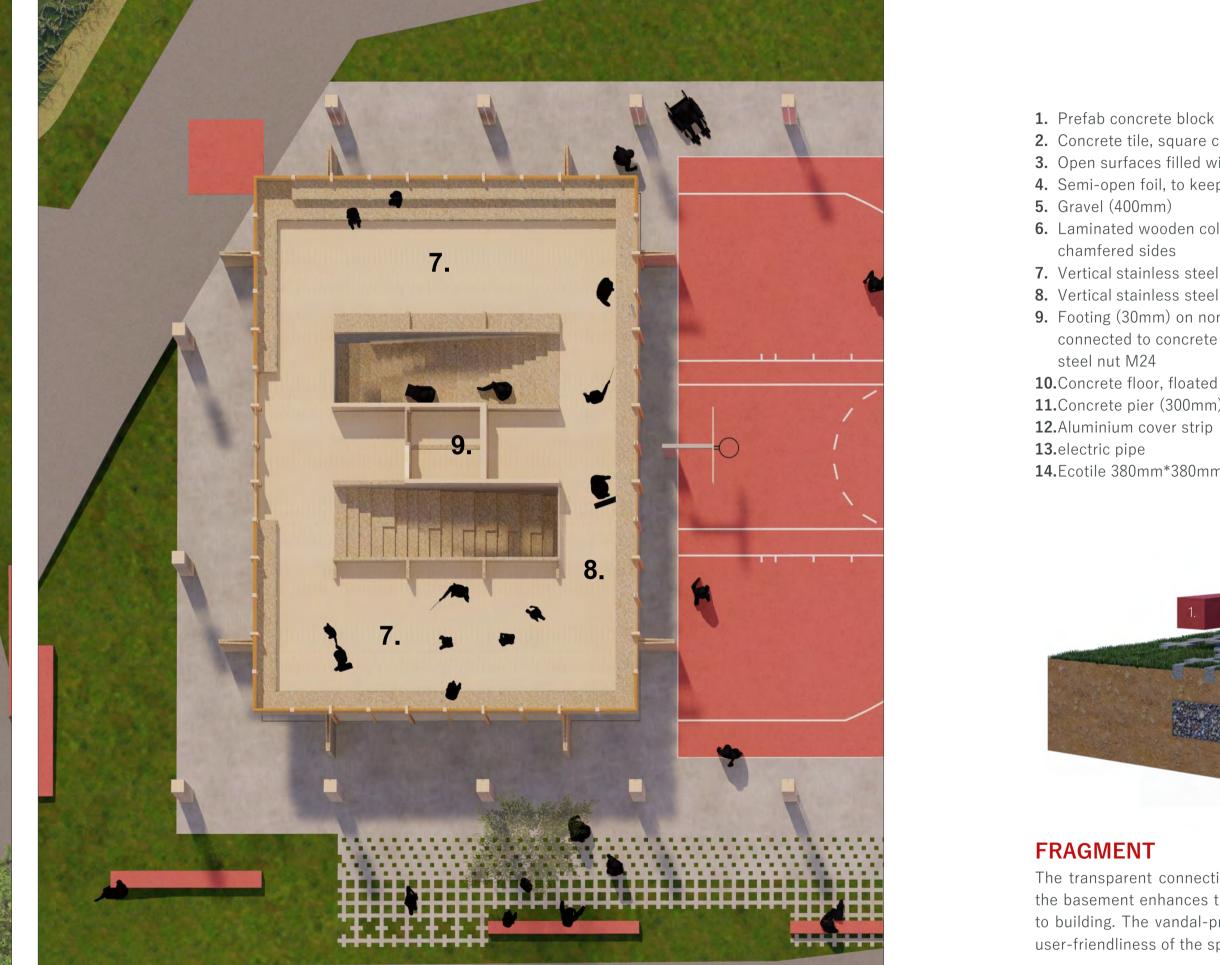






The building is built with modular elements. In this way,

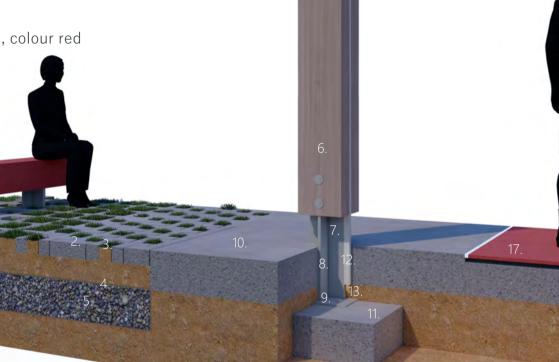




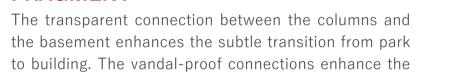
This simple structure of the study space makes in

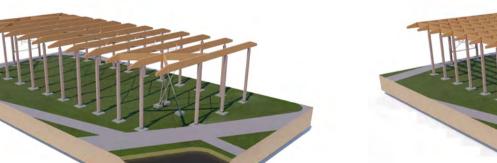
- **6.** Laminated wooden column 300*300mm, Accoy
- 7. Vertical stainless steel plate, galvanized 8. Vertical stainless steel side cheek, galvanized
- **9.** Footing (30mm) on non-shrink concrete mortal (10mm)





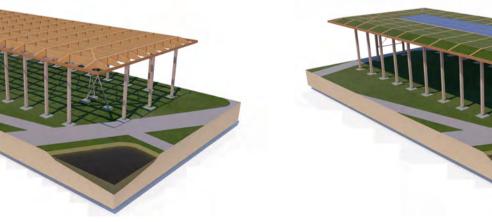






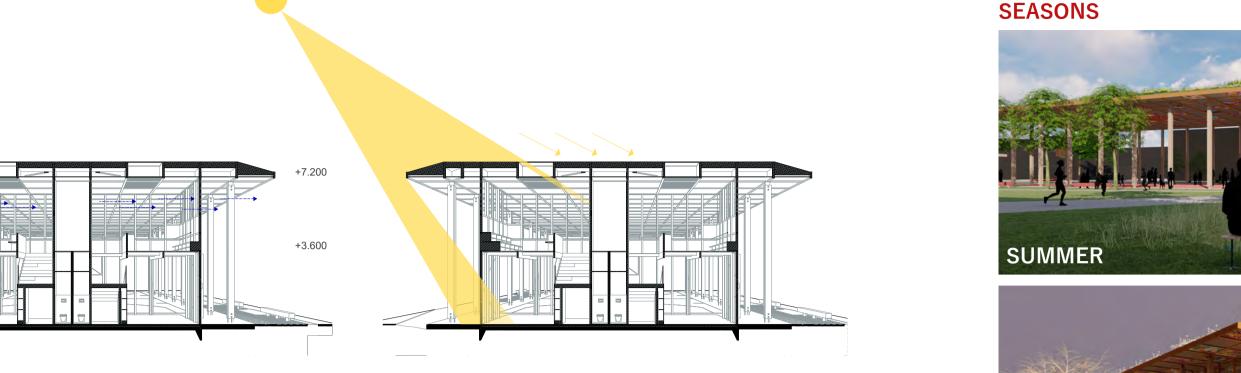






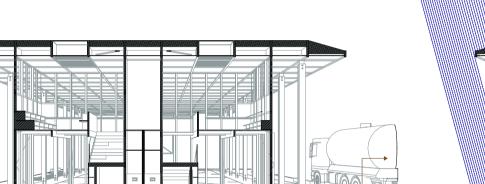


The design has been constructed **economically** and **ecologically**. The space must be able to function all year round. The sedum roof surface offers this possibility. This sedum roof compensates for the grass surface that is covered by the interventions in the ark. In addition, this roof contributes to the biodiversity in the area.



2 4 6 8 1

wide existing path in the park that is connected to the

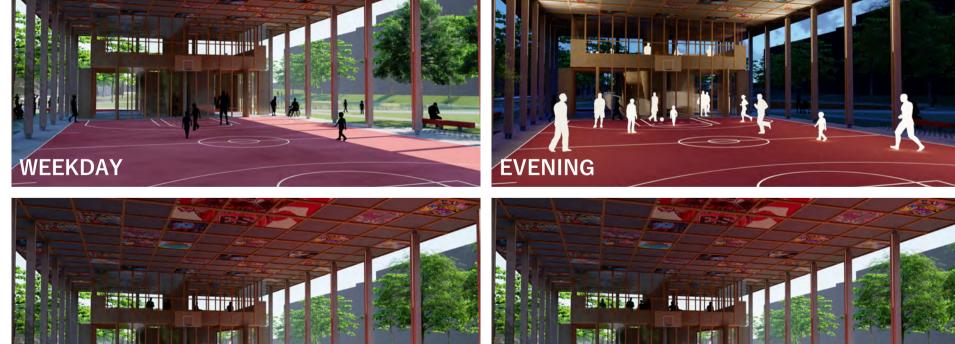


The overhanging roof prevents water from ending up on the basketball court. The green roof gradually

the gravel boxes via the gargoyles. Here the wat

s gradually dispersed in the soil.

The cassettes above the study area function as a rainwater collection tray and lead the water to a













6. Substrate layer (300mm)









