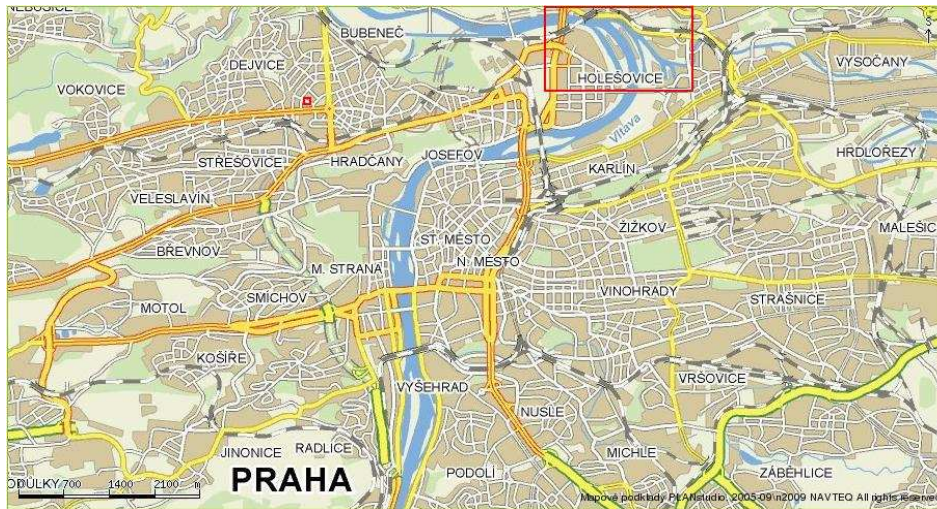


EVA FRICOVÁ – THE APARTMENT HOUSE IN LIBEŇ

This semester I am working on a project of residential building in design studio of miss A. Šrámková.

It is an apartment house, situated in Prague on the Libeň peninsula - the longest one in the picture. The site for my house is found in the southern part of peninsula. It is bounded by river on two sides (there is a road in the eastern part and a walkabout on the opposite side) and on the south and north it is neighbouring to other sites. The area of the site is 25 x 25 m, and the house shouldn't be higher than 12,5 m.



:: client's requirements ::

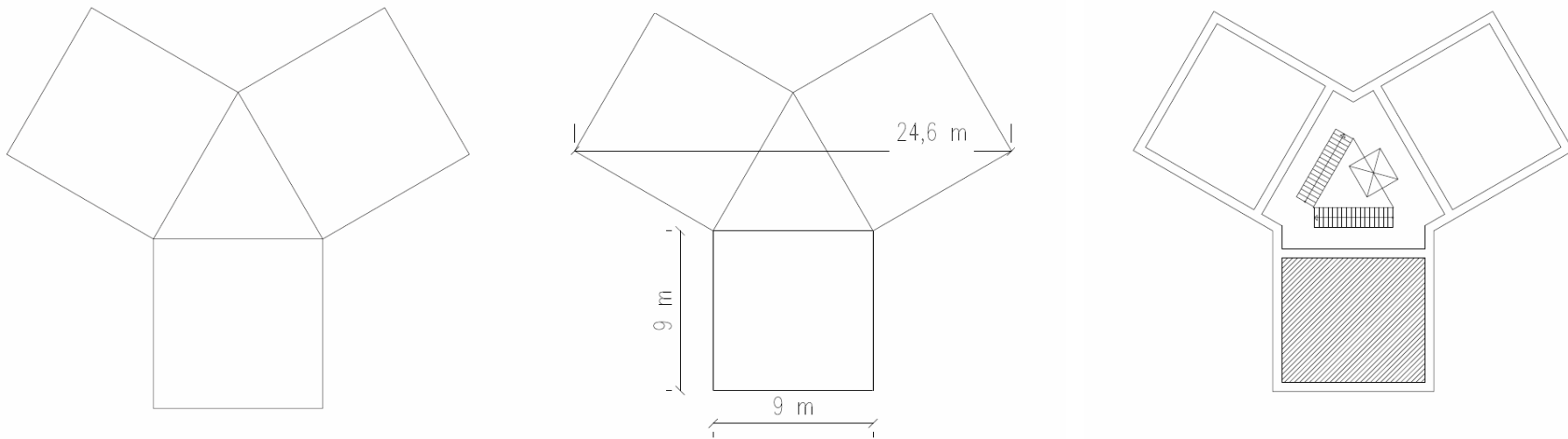
- The house has to be simple in shape, but should have one strong idea, which would determine its appearance. This idea should be original and should make the house unique.
- It has to be a residential building with atrium inside. Because of the limited height, it could have only 4 floors with flats and one floor with parking under ground.

:: design ::

Because the site is square in shape, many people in our design studio decided to design a square shaped house. But I didn't want to, I tried to make my building different. That is why I decided to design a building which is composed by three separate square-shaped volumes placed around the central triangular atrium.

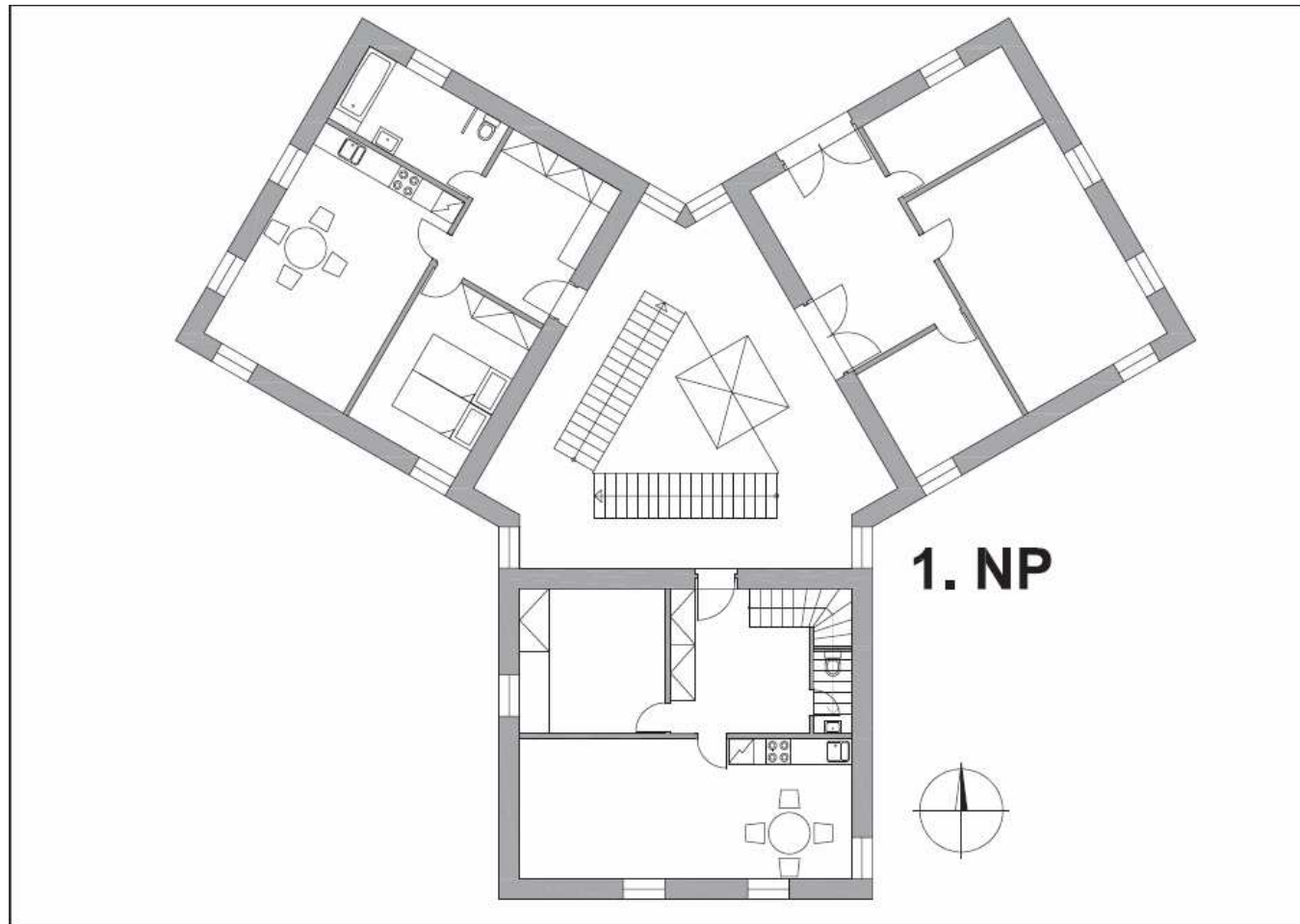
The triangle is equilateral with side of 9 m, so the squares have sides of the same length. Therefore the maximum external width of the building is 24,6 m.

There shouldn't be too many staircases (one is enough) and also building more than one elevator is unnecessarily expensive. Therefore there is only one staircase and one elevator in the atrium. There is also located a corridor which connects the three parts of house into one and enables the people enter their flats.



The minimum area of a flat in my apartment house is 56 m². That is enough for a small flat for a couple, but not enough for a family with child. The solution was to design maisonnettes. There are in total three flats and four maisonnettes in this apartment house.

:: first floor ::

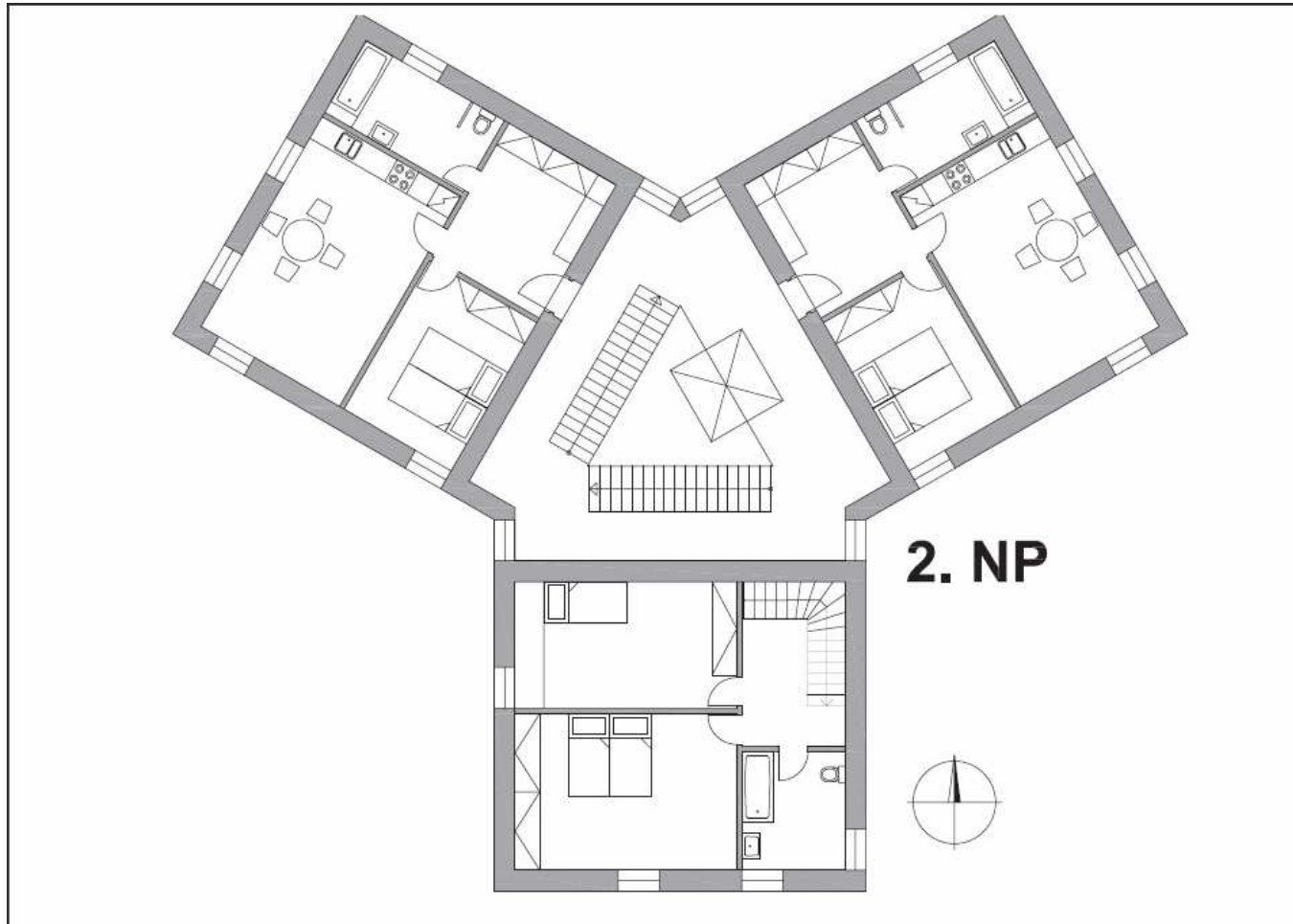


On the first floor, there is an entrance to the house with a room for a doorkeeper and two utility rooms. There is possible to leave for example a baby-coach or a bicycle.

There is a flat in the western part of the house. The entrance leads to the hall. On the left of the hall is a bedroom with double bed. There is also an entrance to the living room and bathroom from the hall. The door on the left lead to the living room with kitchenette. Access to the bathroom with toilet is through the right ones.

In the southern part of the house, there is an entrance floor of the maisonnette. On the left, there is a workroom or there possibly could be a bedroom with single bed. Toilet is on the right, under the staircase. The stairs lead to the upper floor, where the bedrooms and bathroom are. If you go directly through the hall, there is a living room with kitchenette and dining area.

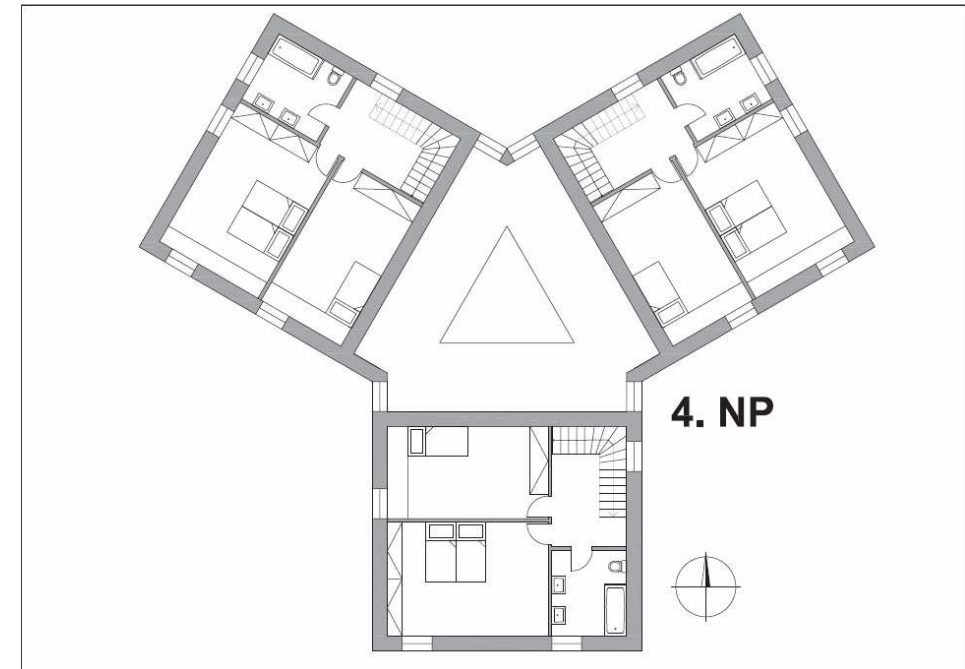
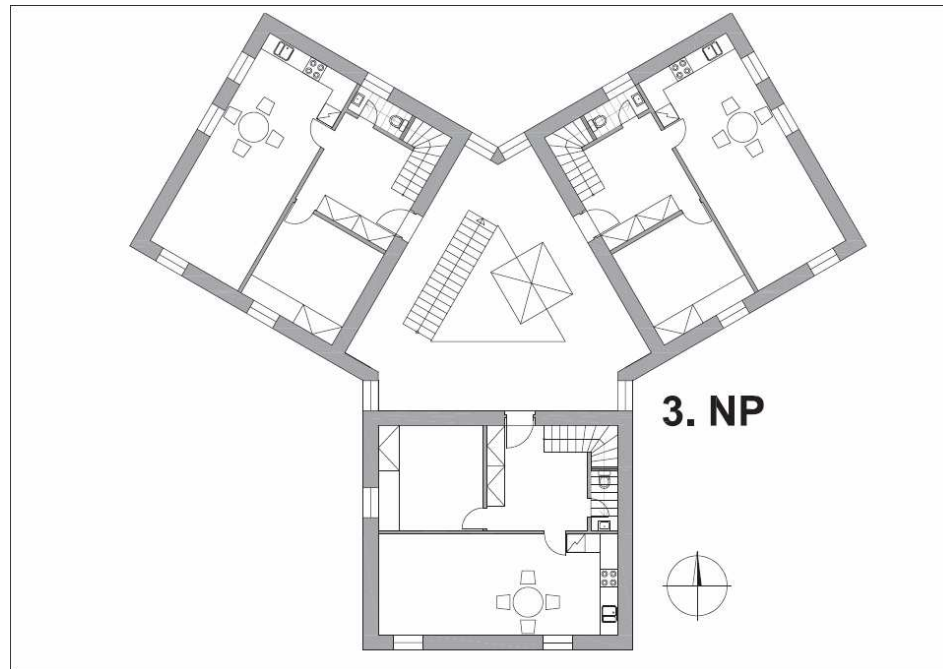
:: second floor ::



There are two flats on the second floor. The western one has the same layout as the flat on the first floor and the eastern one is symmetric. Because there is not enough light during the day in the northern part of the flat, I placed the bathroom and hall there. Bedroom and living room are on the south then.

There is also the upper floor of maisonnette. As I said, the living quarters are situated on the entrance floor and bedrooms with bathroom above. There is one bedroom with single bed and second bedroom with double bed.

:: third and fourth floor ::



The third floor and fourth floor consists of three maisonnettes.

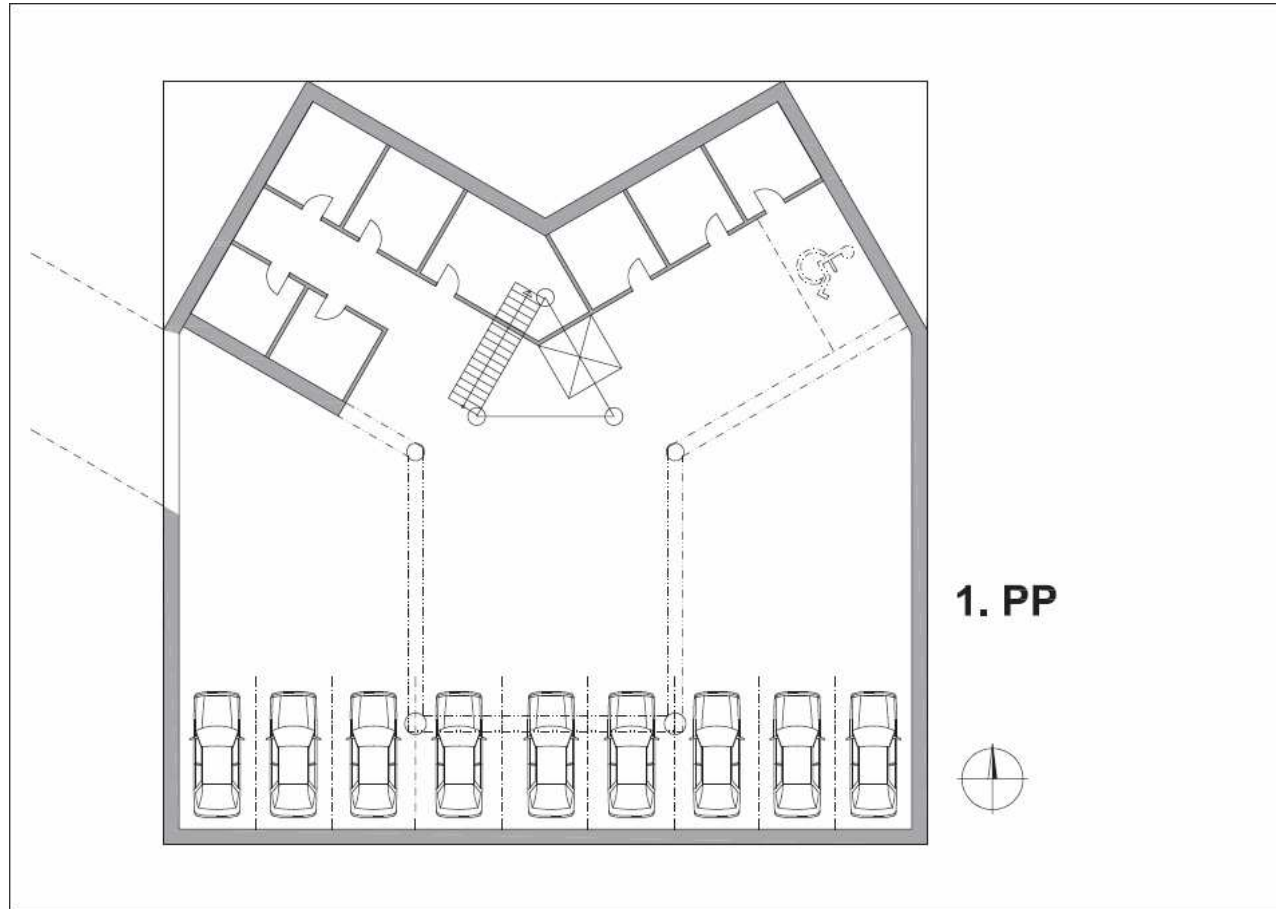
There is an entrance hall, living room with kitchenette and a toilet on the entrance floor. The staircase leads to the fourth floor, where the spacious bedrooms are. All the bathrooms of maisonnetes in this house are equipped with a bath tub, wash-basin and toilet.

The layouts are almost the same, the only difference are the windows.

The staircase ends on the third floor, because it is not necessary to lead it to the fourth floor, where there is no entrance to the flat. The fourth floor is accessible by the internal staircase in each maisonnette, so there could be a roof on the fourth floor instead of stairs and corridor.

There is also one floor, which I didn't talk about yet...

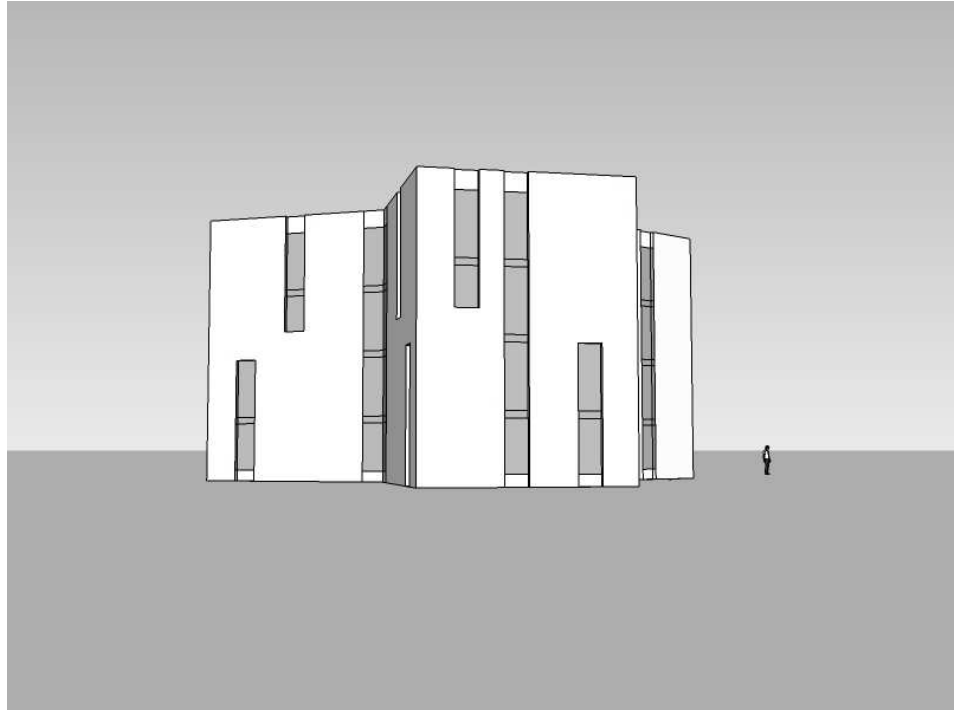
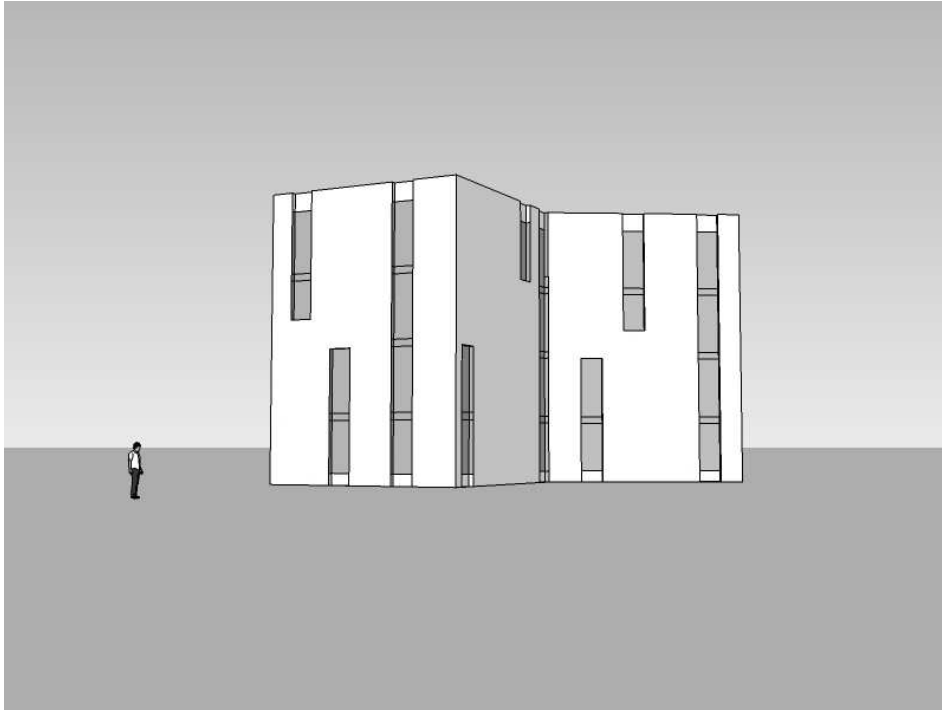
It is the **underground floor**, where the parking, cellars and technical rooms are located. There are in total nine parking places, each min. 2,5 m wide and 5 metres long. There is also one special for disabled people. Each flat has its own cellar, which has at least 8 m². The lift and staircase lead to the atrium and upper floors.



1. PP

::facade::

This is how the building looks from the outside.



This project is not finished yet, but it has met the requirements. I like it, but I am not the one, who should say whether this project is good or not...