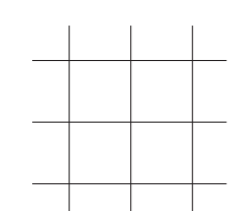


Historical surveillance post

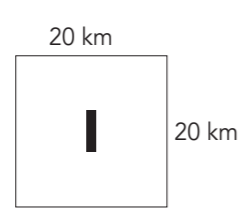


BORDER GRID



- Interstate system
- prevention of drug dumpings in vulnerable natural areas
- Border area

LAB QUARTER



- Lab/ data center
- Overseeing Quarter:
- Manning posts
- Reach-out to community
- Nearby road

DATA POST



- Surveillance/deter post
- Measuring/collecting data:
- deter criminals dumping
- Ad communal value
- Site specific

EYES ON THE FOREST

a physical sensory presence in the border

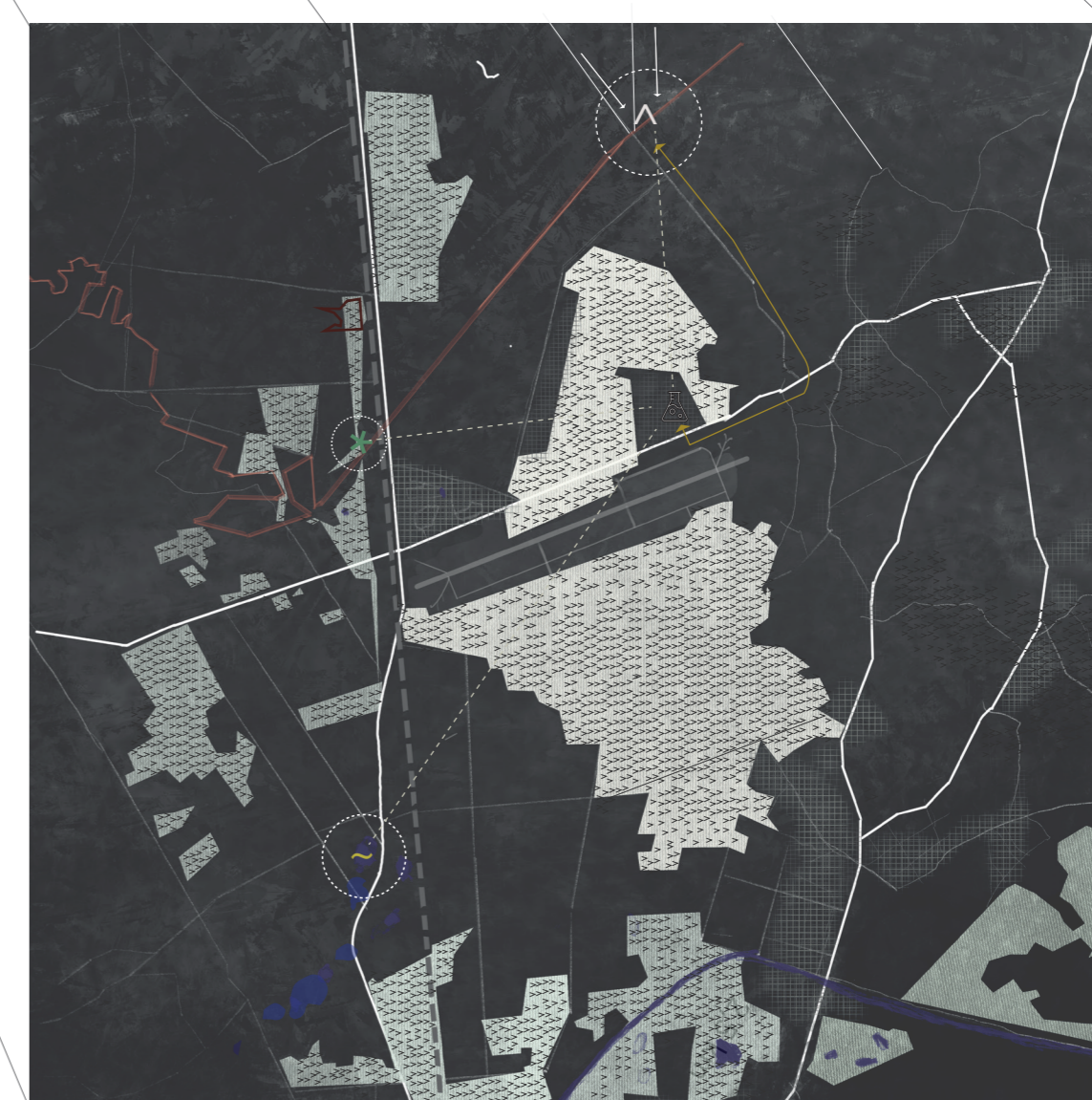
Worldwide the Netherlands and Belgium are notorious for their large amphetamine production and export. This illegal economy has its roots and is concentrated at the borderline between the two countries. Since the dissolution of physical border control due to the Schengen Agreement in 1985, the border area between the Netherlands and Belgium has seen a continuing growth in drugs production and problems. This has great effects economically, socially and also in spatial sense. The production of drugs leaves a lot of chemical waste, which needs to be disposed of by the producers. Unfortunately, it often ends up in the environment, nature reserves, woods and even in our water and crops. The current focus from the government in battling the illegal drugs economy is mostly on catching the criminals and the production sites but does not focus on protecting the environment.

Therefore I would like to propose a new kind of surveillance network placed in the area. To decide the placing of the network, a grid is placed across the map of the border area. Within each quarter of the grid there will be a lab with an intricate network of data surveillance posts. The posts contribute to the preservation of the natural environment and deter dumpings in the vulnerable areas that according to research have the most ideal conditions for drug dumpings. The

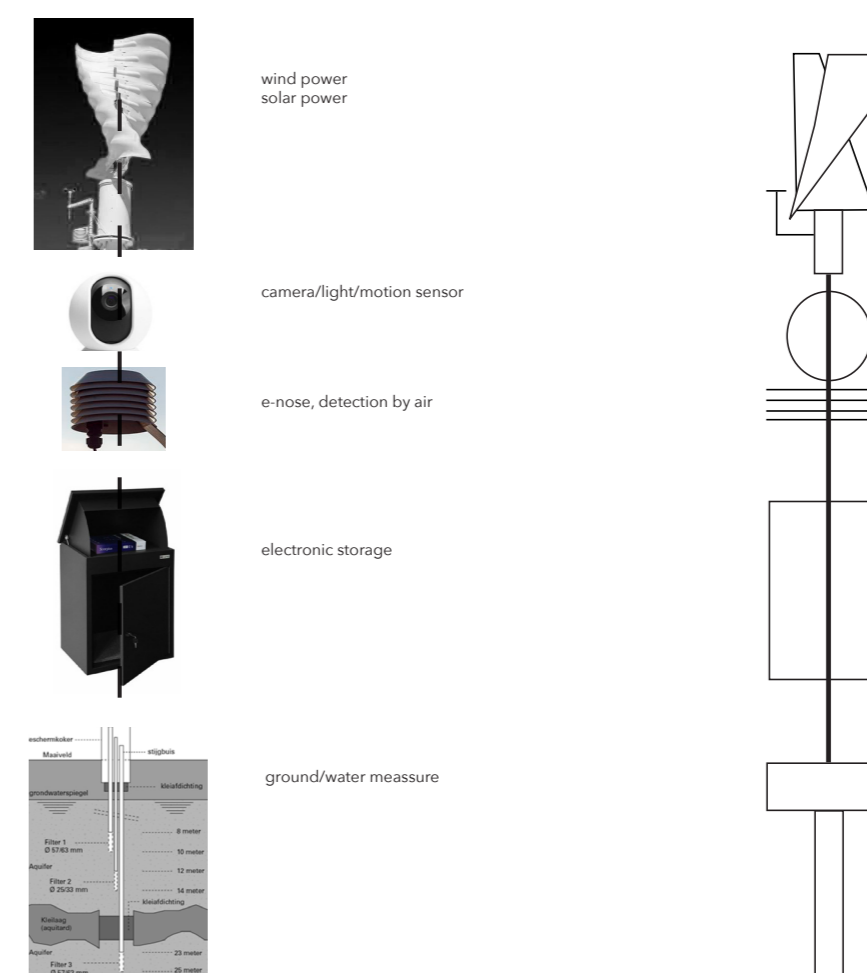
posts stand out of their surroundings and communicate that they are surveilling the area. Like a panopticon, they signal the feeling of being watched. The desired effect is that the post creates a radius that deter criminals of dumping their waste. If these dumpings were still to happen, they are detected early by the sensors and the damage to the environment can be minimized. The data of such an intricate network could also contribute to the localization of the source.

Each lab gets assigned to a quarter on the map. The area the lab oversees is a district. The goal of the lab is to collect and analyse all the data from the surveillance posts. This information could be used to locate drug dumpings and production sites. For the gathering of data the lab has three different types of posts at its disposal: the Watcher, the Forester and the Connector. There can be any number of posts within the district and the amount and placing should be decided by the lab in the district itself. However, the posts can only be placed at certain conditions.

The posts have different technologies and sensors. The three pre-defined types of posts provide the basis for the site-specific conditions. Additional sensors/elements can be added to these types by the lab team to make the post even more site and situation specific. The three different types are the Watcher, the Connector and the Forester.

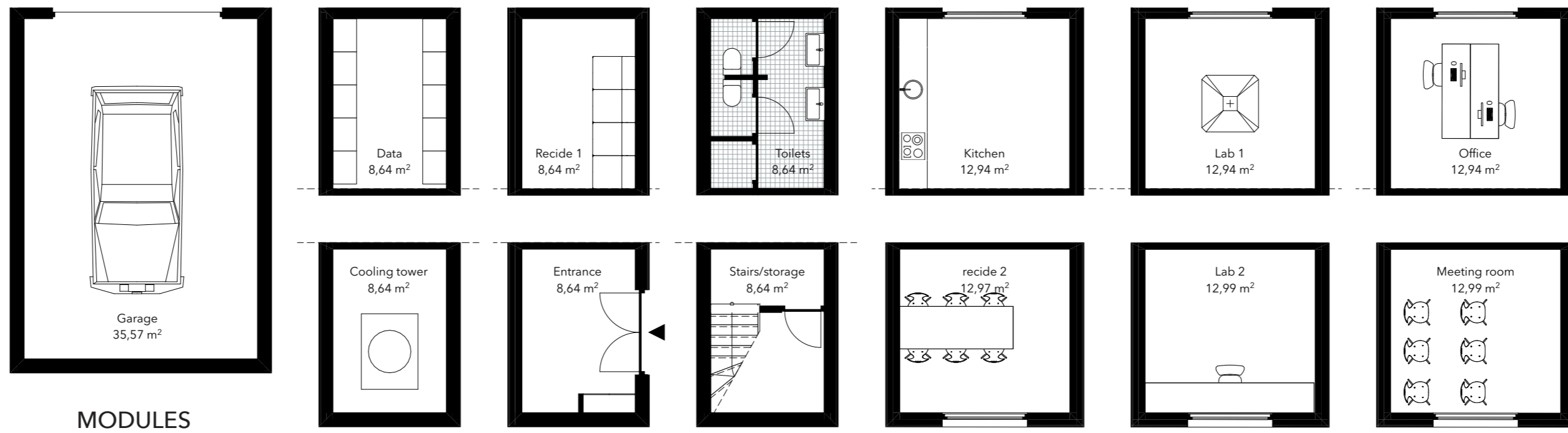


ZOOM-IN
Field of posts 1:50.000



schematic concept posts

THE LAB



MODULES

A. GARAGE

B. TECHNICAL

1. data
2. cooling tower

C. WELCOM

1. recide 1
2. entrance

D. FUNCTIONAL

1. toilets
2. stairs

E. FACILITIES

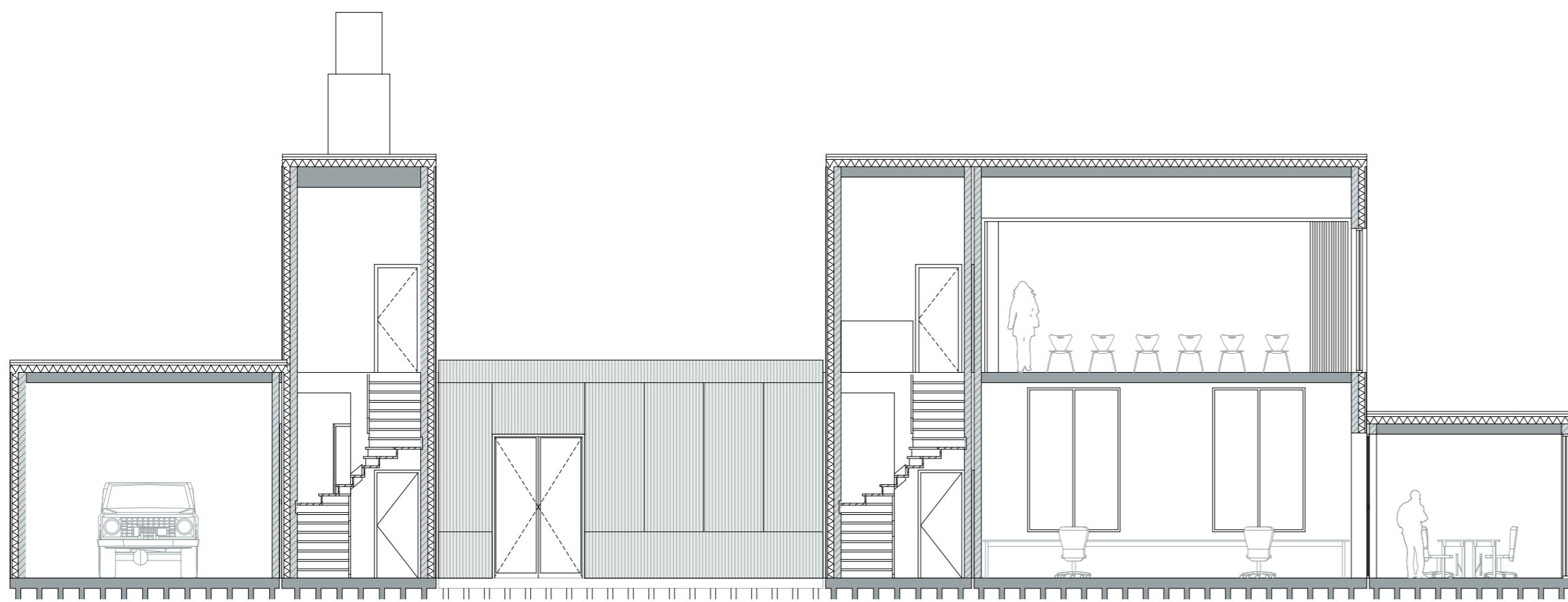
1. kitchen
2. recide 2

F. LAB

1. lab 1
2. lab 2

G. WORK

1. office
2. meeting room



Section A-A 1:100

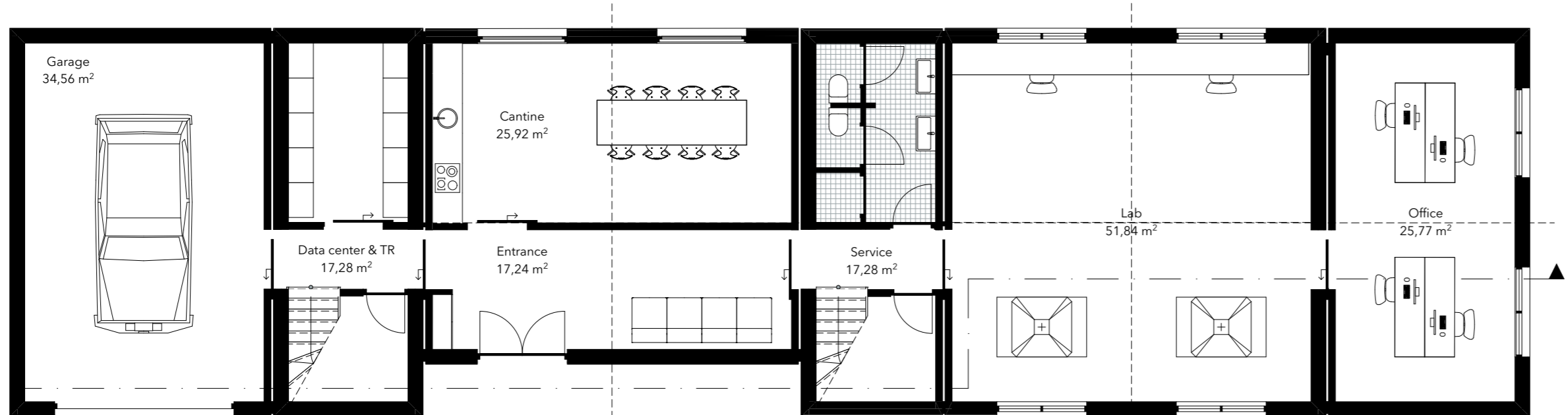
The lab oversees a quarter area, each of these quarters have different needs and therfor the lab team determines the amount and type of post within the area. The lab itself is designed with pre-detrimed modules. These modules are the basis for the 7 different element wich the lab should contain. With this modular system each lab can have it's own focus and specilatty. Some might have a bigger labratory while other focus on the visitors center. Therefor the lab will have different configuration at every quarter. There are numerous of possibilites, however each element should contain a pre-fixed module combination.

ELEMENTS

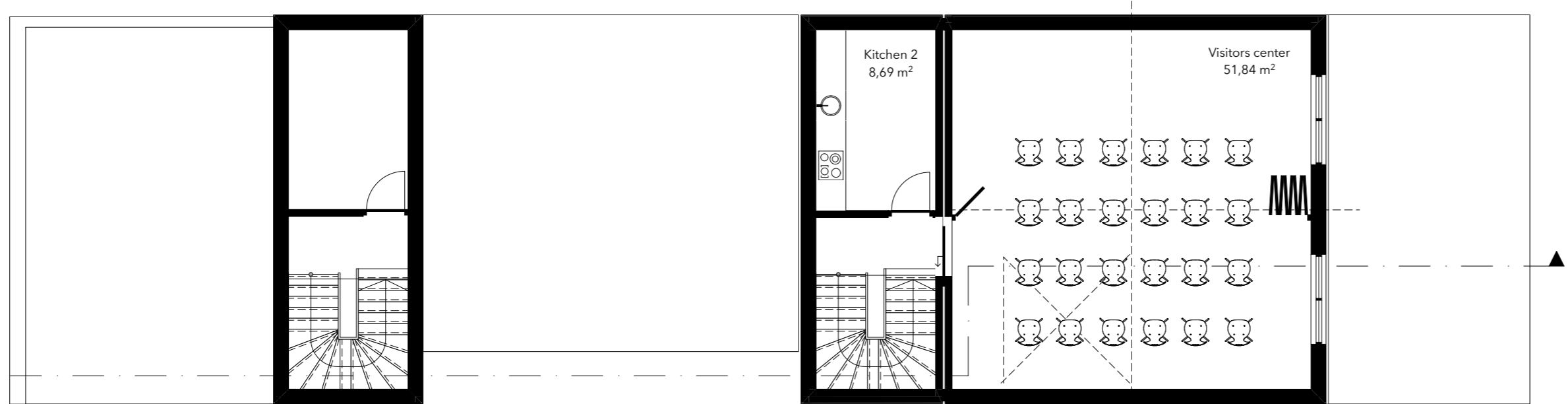
1. GARAGE
2. DATA CENTER
3. CANTINE
4. ENTRANCE
5. SERVICE
6. THE LAB
7. OFFICE

MODULES

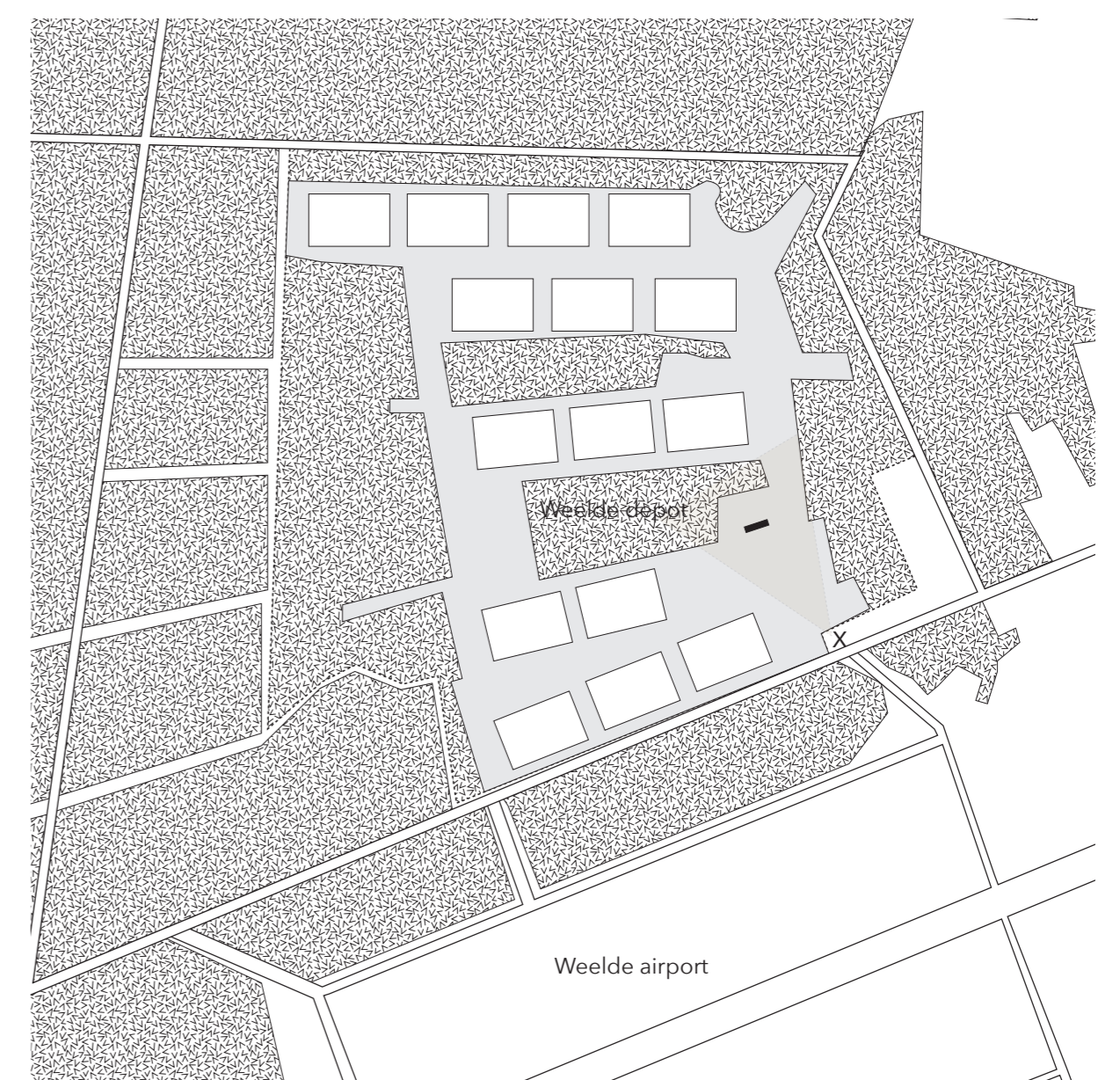
- = (xA) + ...
- = (xB1 + xB2 + D2) + ...
- = (xE1) + ...
- = (xC1) + ...
- = (xD1) + (=story D2) + ...
- = (xF1 + xF2) +
- = (x1 +/- x2)



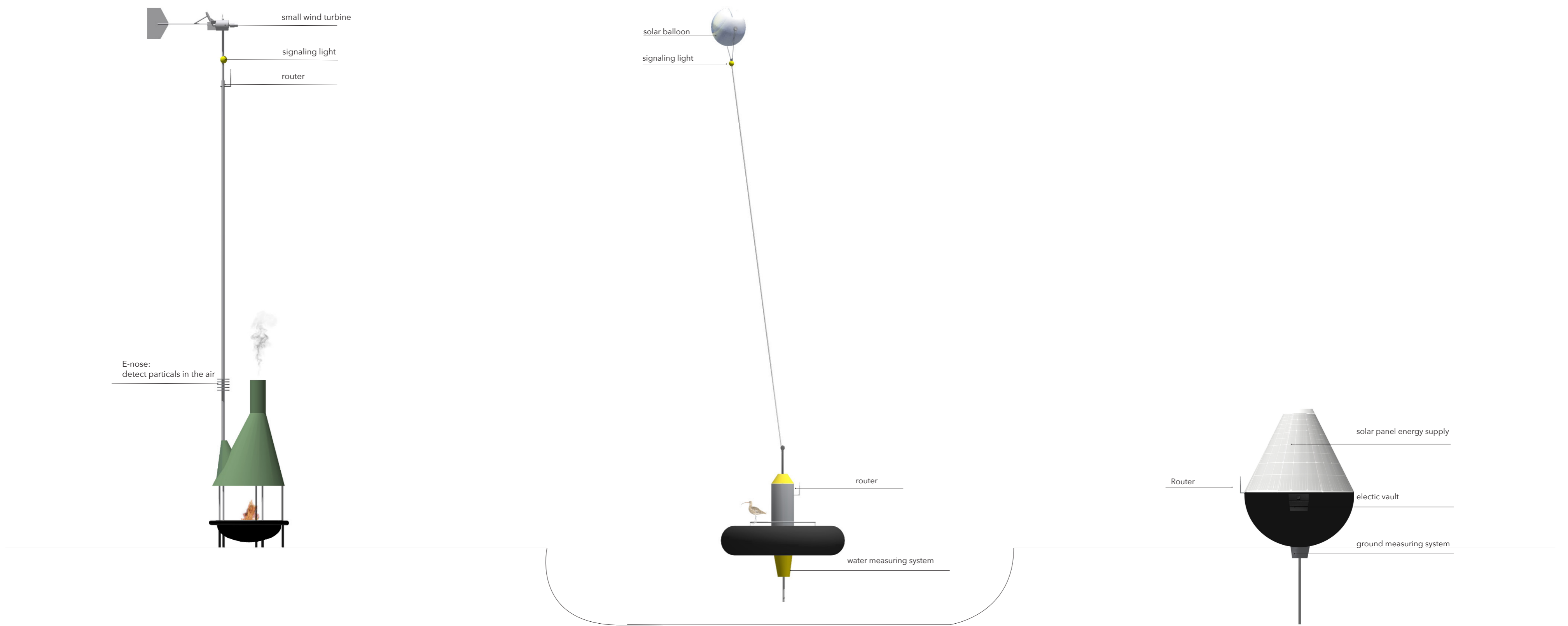
ground floor 1:100



first floor 1:100



THE POSTS



THE FORESTER

is placed within the woods nearby a public road. It has a firepit, this attracts people to use the forest at night and create a social security, light and smoke state there presence. It also has the capability to detect drug dumping residue in the air and reports this information back to the lab. To make its visibility known, it should stick out above the trees.

THE WATCHER

is placed at a nature reserve nearby a public road. It has the capability to detect any drug residue in the water and reports this information back to the lab. The post floats on the water and has no permanent structure that causes harm to the environment. It should be visible from the road to create the awareness of surveillance and scare off any dumpers.

THE CONNECTOR

is placed next to a crossing of farmland roads. It is placed on the open fields and therefore clearly visible. It has the capability to measure the ground water and collect the manure and ground samples which the farmer provide voluntarily. It connects to the lab and visitors center to establish better relations between the government and the farmers.

