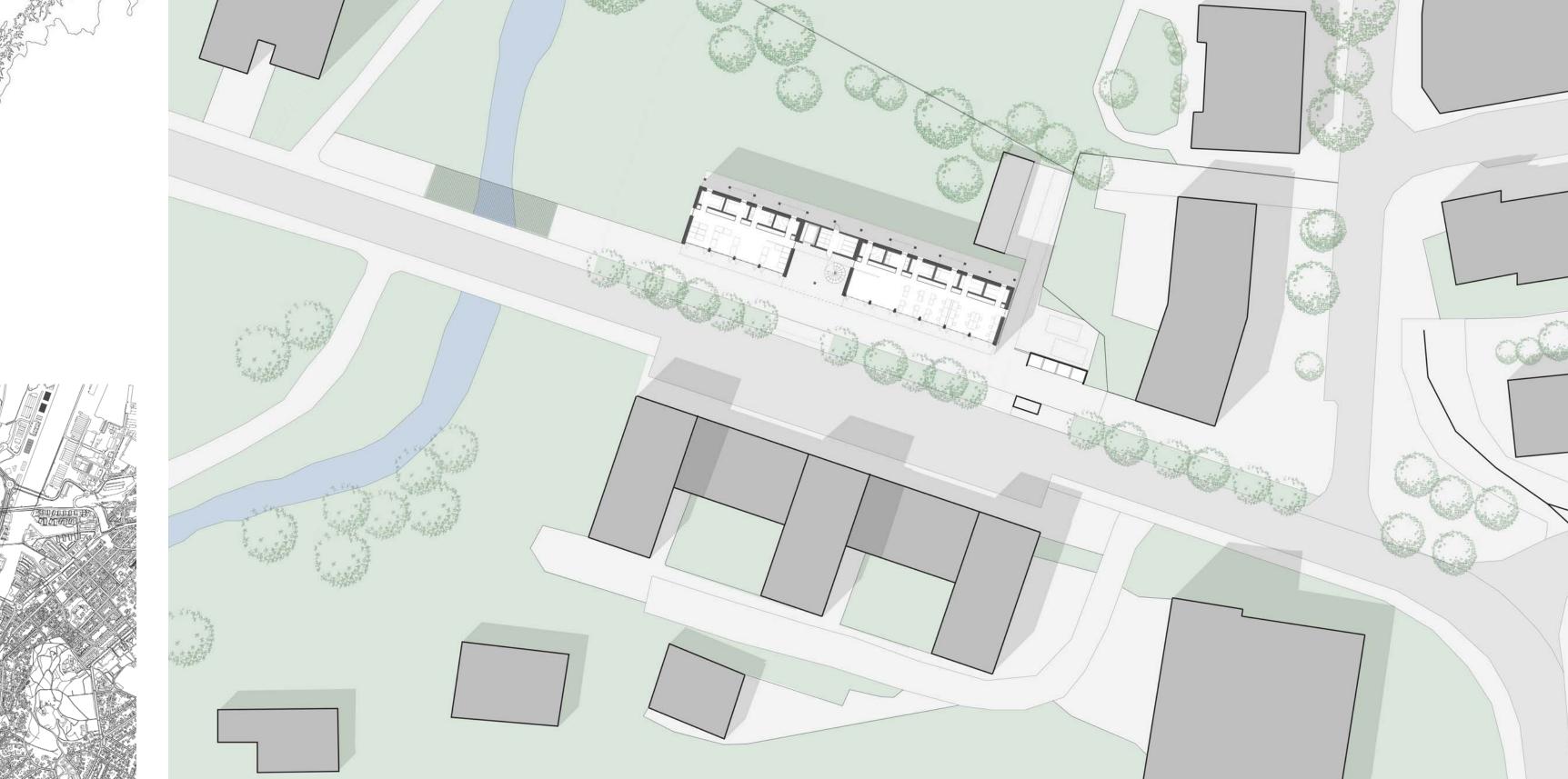


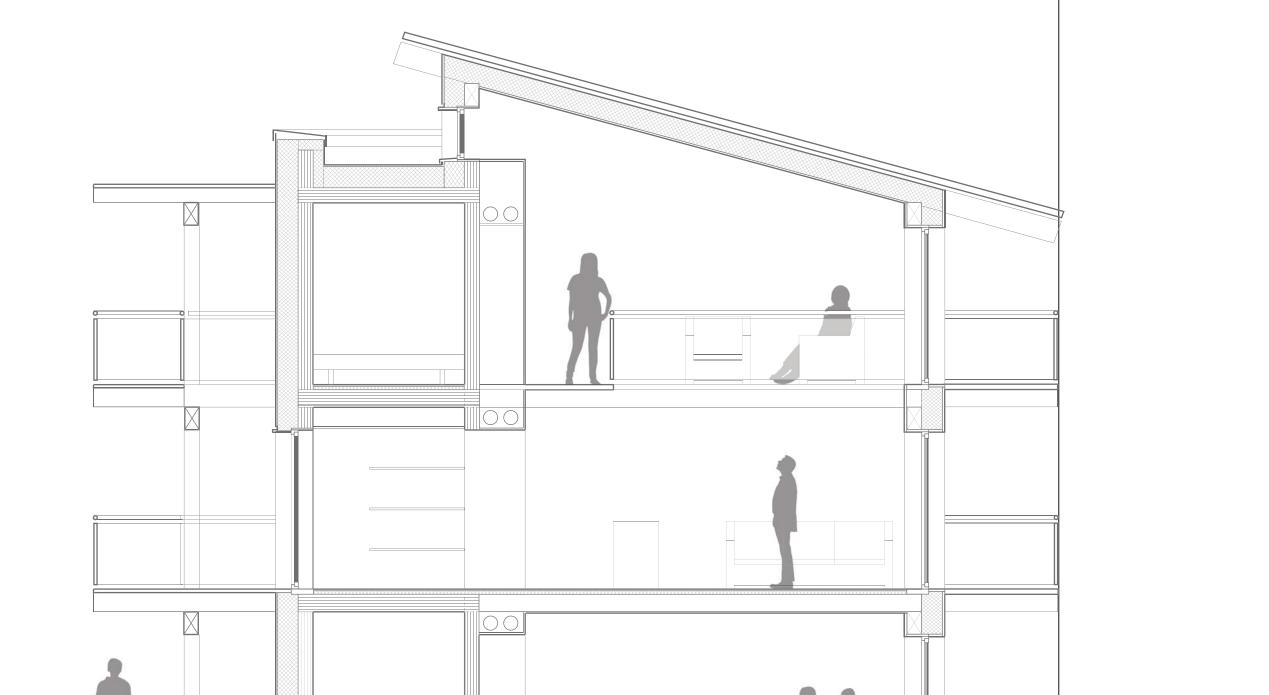
SITUATION WHAT: The project is about reducing the climate gas emissions related to housing. This involves the use of materials, the energy demand and also peoples way of living. The goal was to make a zero emission building.

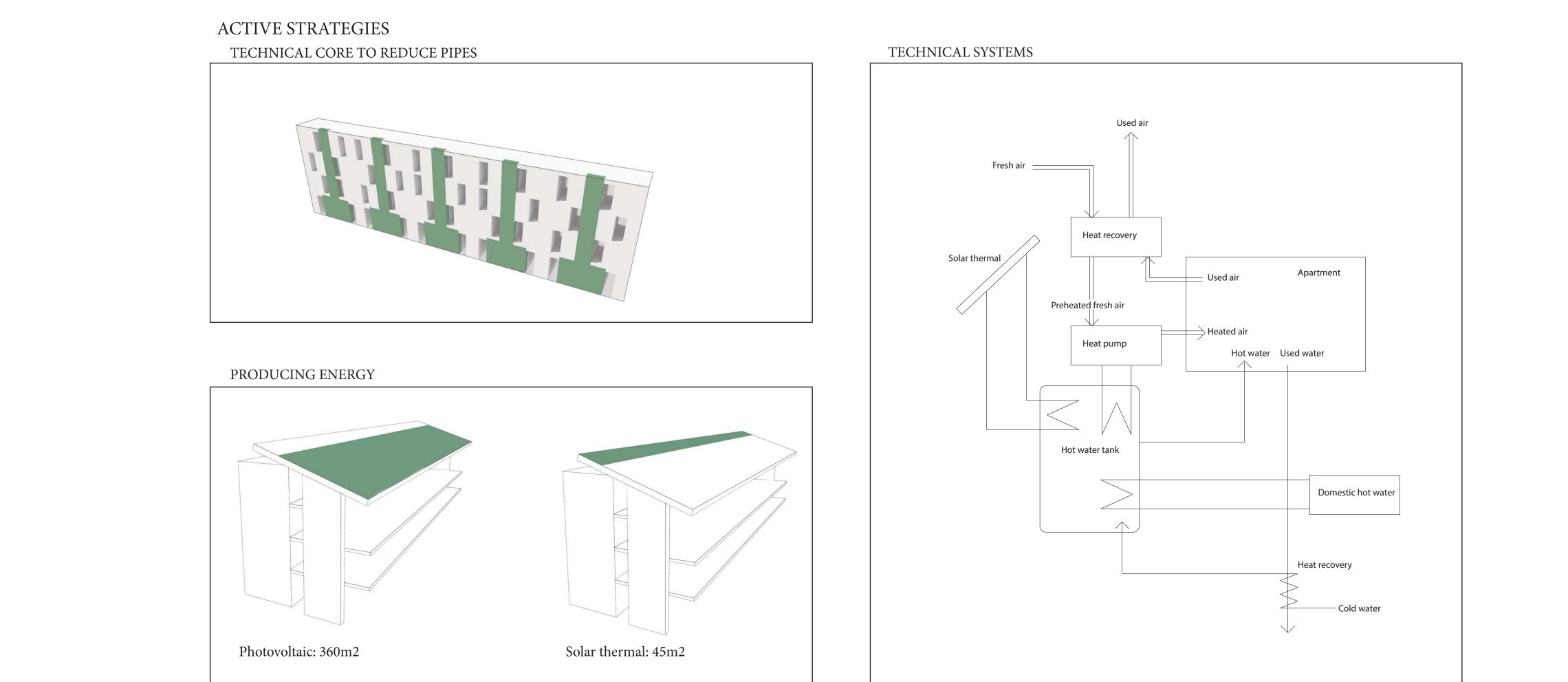
WHERE: The buiding is situated in Trondheim, in the city part called Ila. This site was chosen because it is close to the centre and very well connected through public transport. This makes it easier to live without a car.

State C.



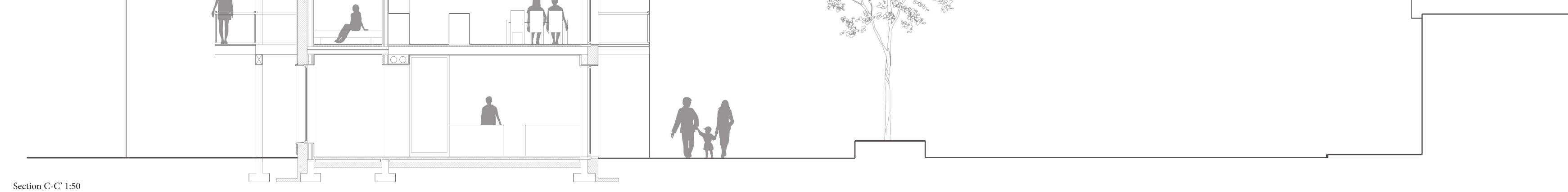


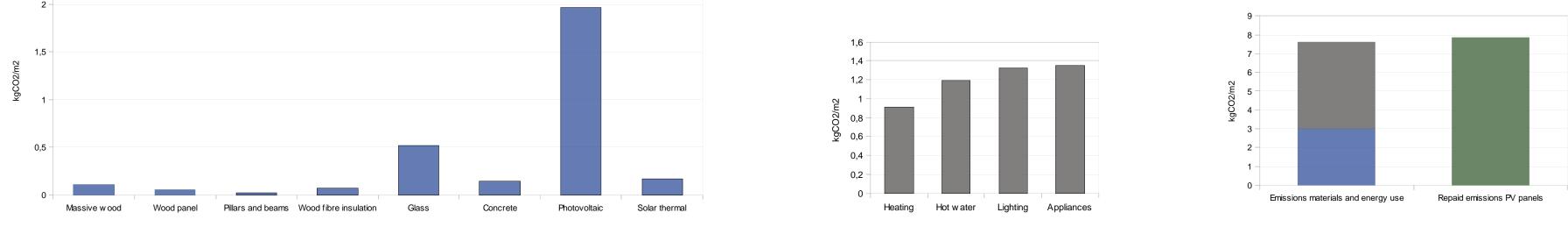




EMISSION BALANCE



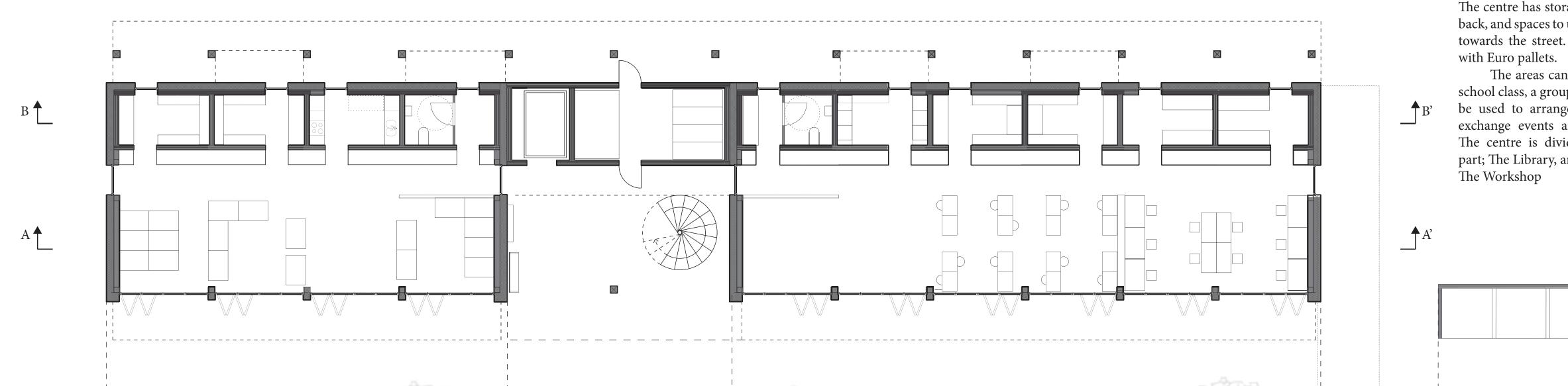


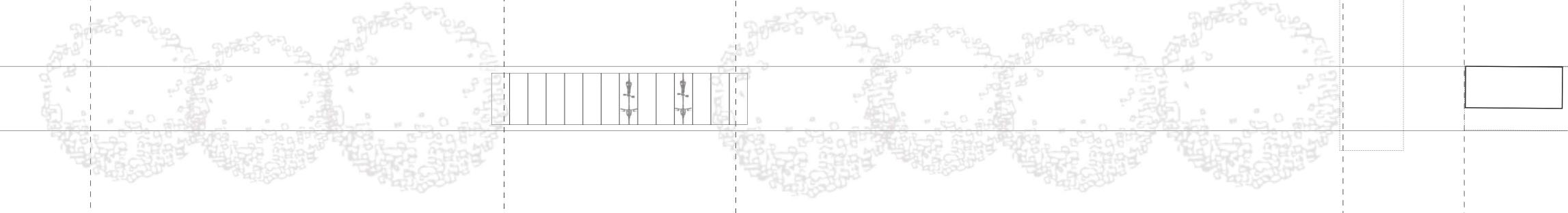


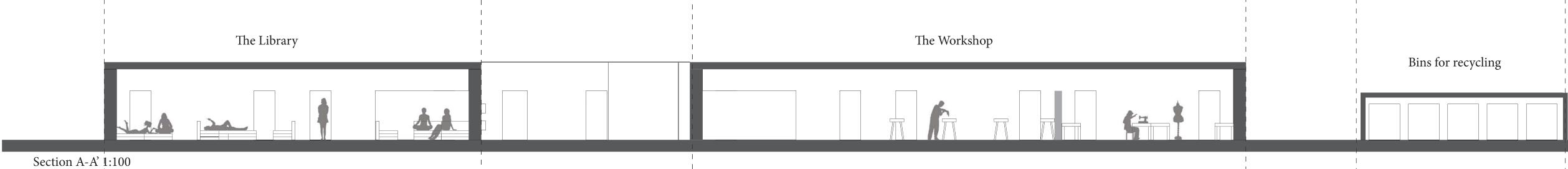
The emissions from the material of the house. The PV-panels are responsible for the biggest amount of emissions. However, this is justified by the energy they produce. The passive strategies reduces the heating demand, and eliminates the cooling demand. The hot water is reduced by 50% because of the solar collectors. For lighting and appliances the most energy ef-ficient devices are considered. The emissions from the materials and the use of the building can be repaid by the electricity produced from the PV-panels. How-ever, only the main categories of materials are considered. Also the emissions from appliances are not considered. If everything was taken into the calculation, the energy production would not be sufficient.

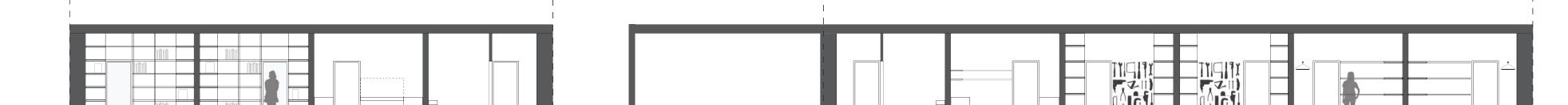
RECYCLE CENTRE

Siteplan 1:500













South facade 1:100



West facade 1:100



North facade 1:100