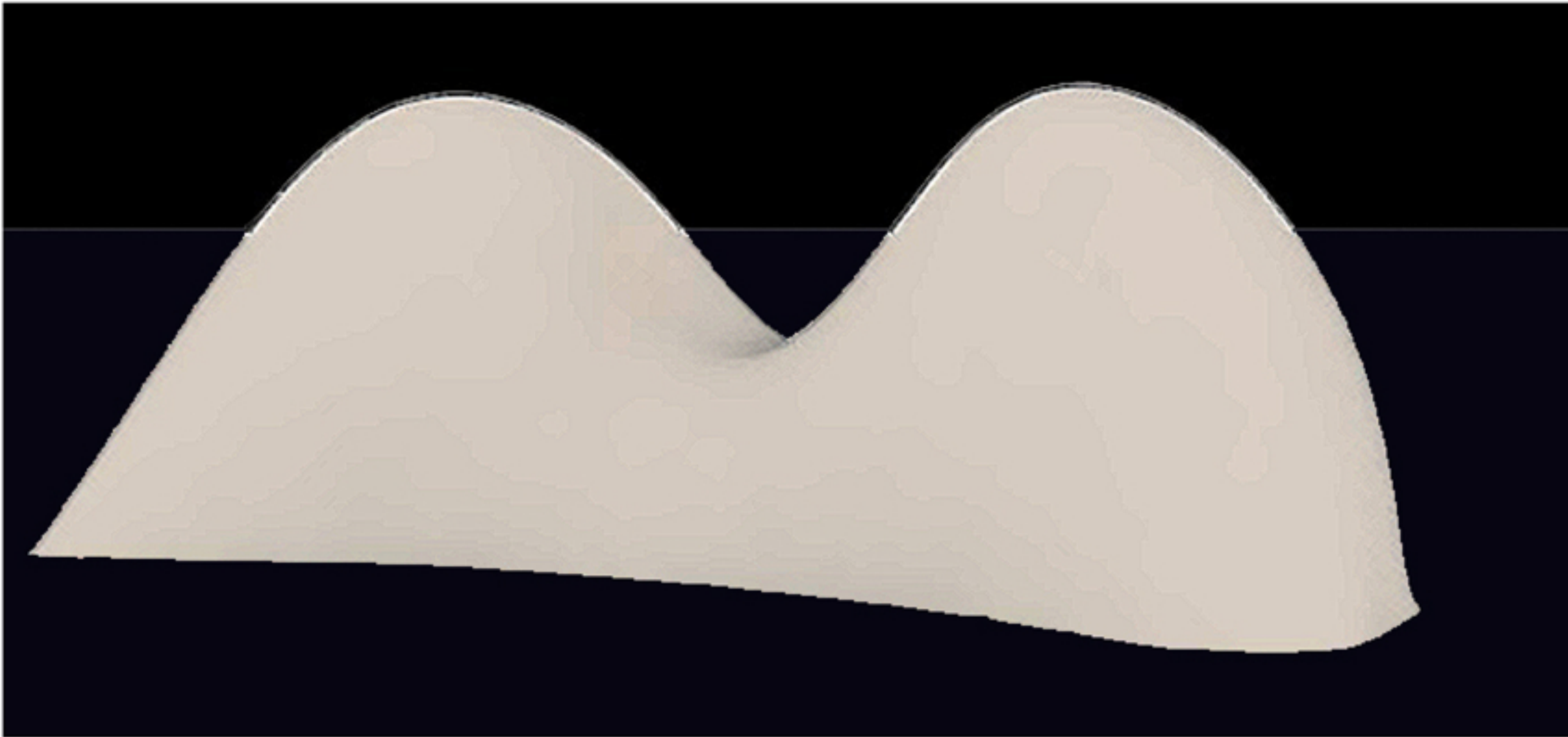
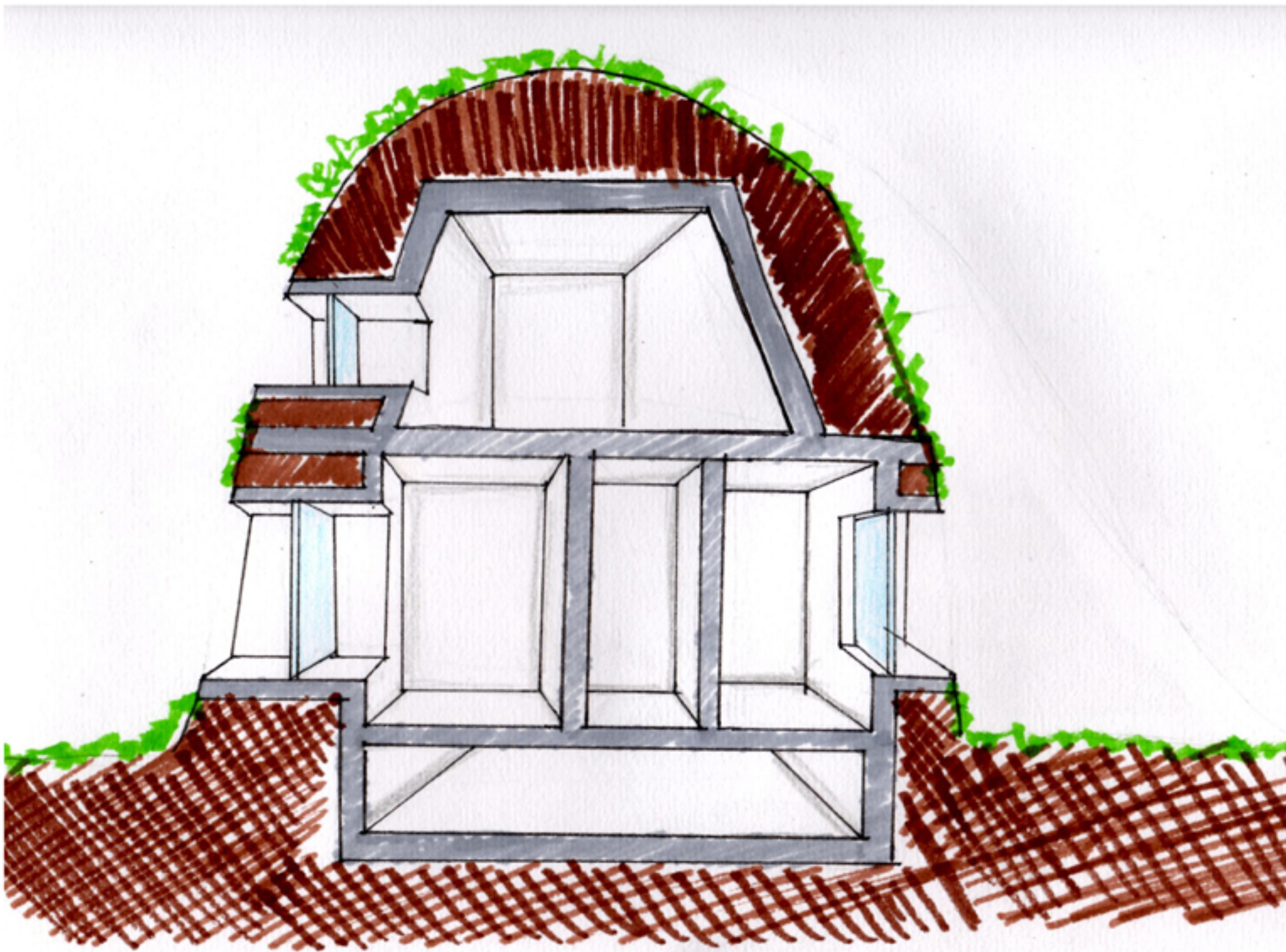


Design Illustration



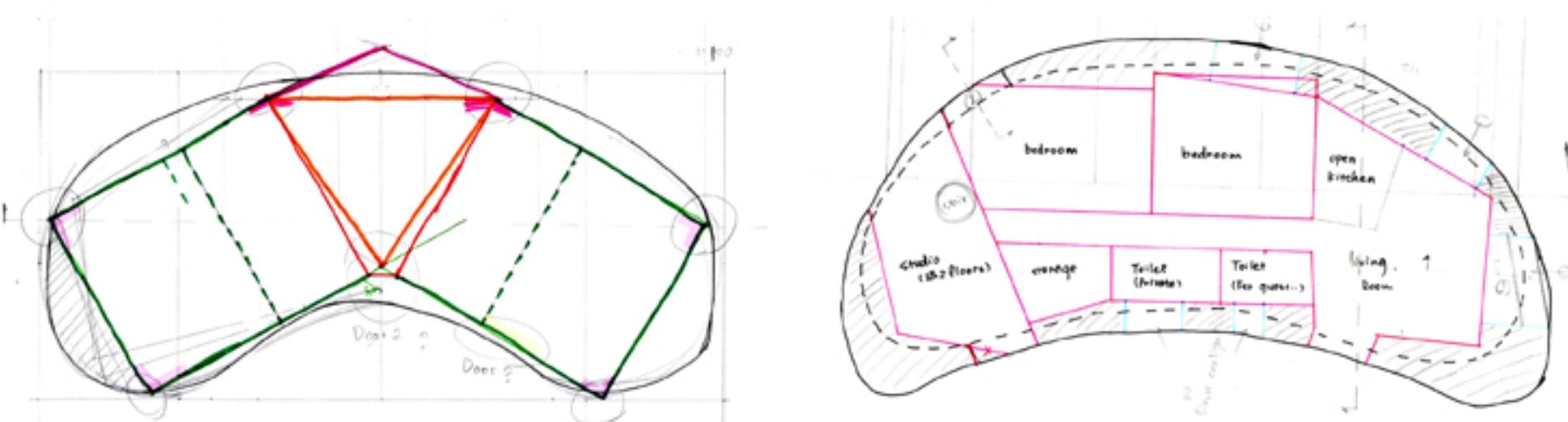
This irregular shape is the origin of my design. It is led by the convection of the greenhouse and the whole site. While another two main parameters in my design are the unitary between the house and site, as well as the energy saving.



Earth sheltering is one of the solutions I found, which fit to all the 3 request above.

Earth sheltering is the architectural practicing of using earth against building walls for external thermal mass, to reduce heat loss, and to easily maintain a steady indoor air temperature.

This does good in energy saving which is one of our main goal in the design.



plan

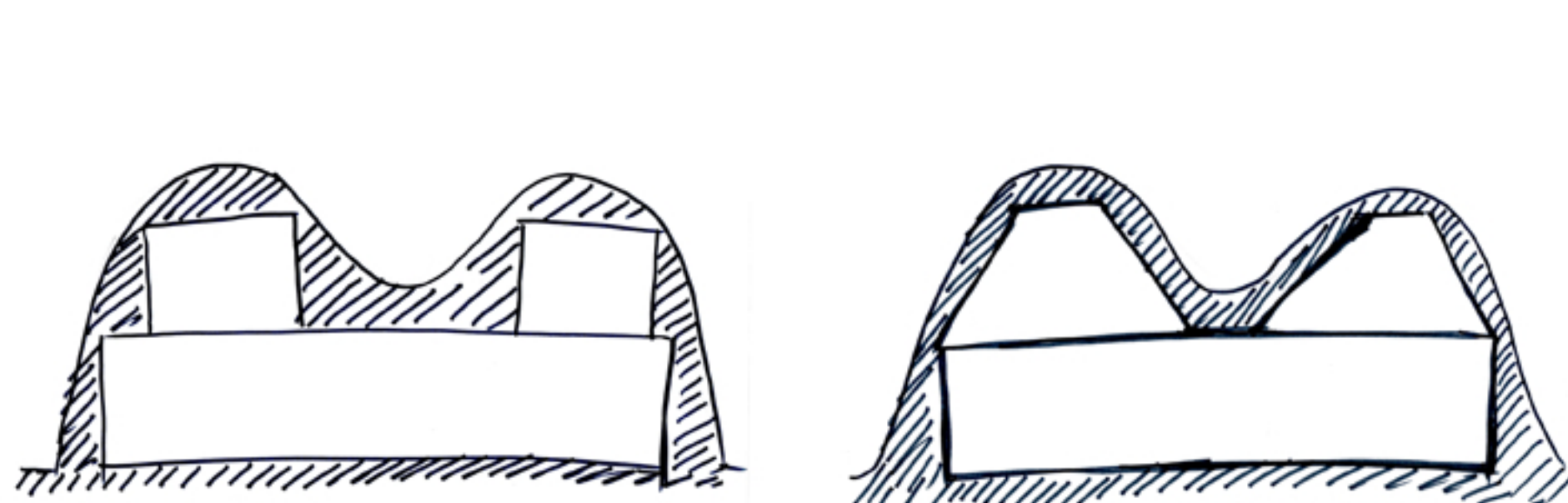
However, new problems caused by the earth sheltering.

1.The efficiency of the use of the inner space.

Solution by the window

2. The darkness inside the building caused by the thick walls.

3. The ventilation of the interior space.



section