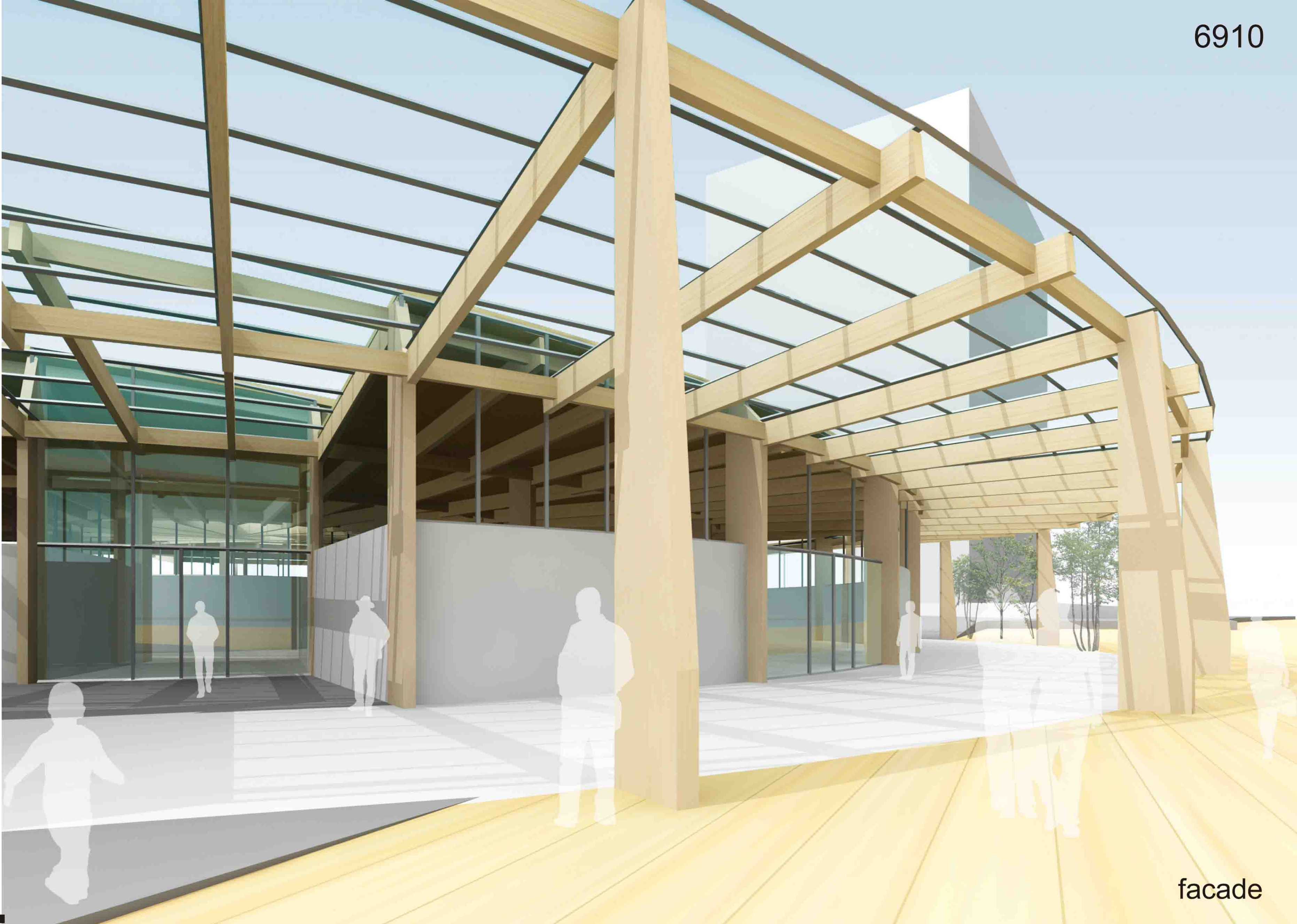


Newark Visitor's Center

“For waiting that can become familiar from the bottom of one's hearts, a happy town , and a comfortable, comfortable town.”

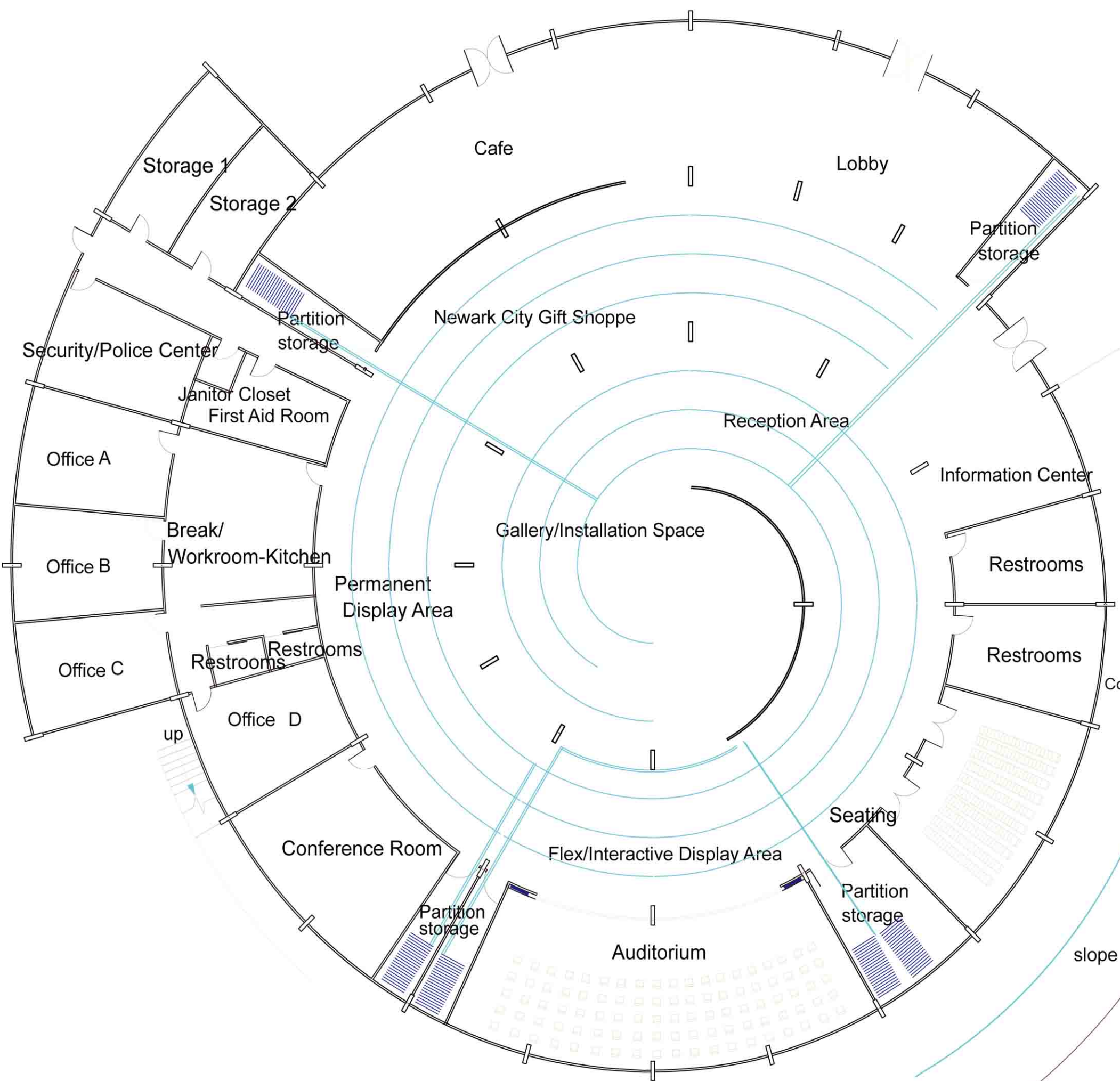
The person is drawn to water.
The river is people's boasts, and faces of the town.
The riverside becomes the garden of random walk.

Therefore, Newark Visitor' s Center is the Vortex.
It is a plaza with which people extend, it is familiar, gathers, and it sympathizes.

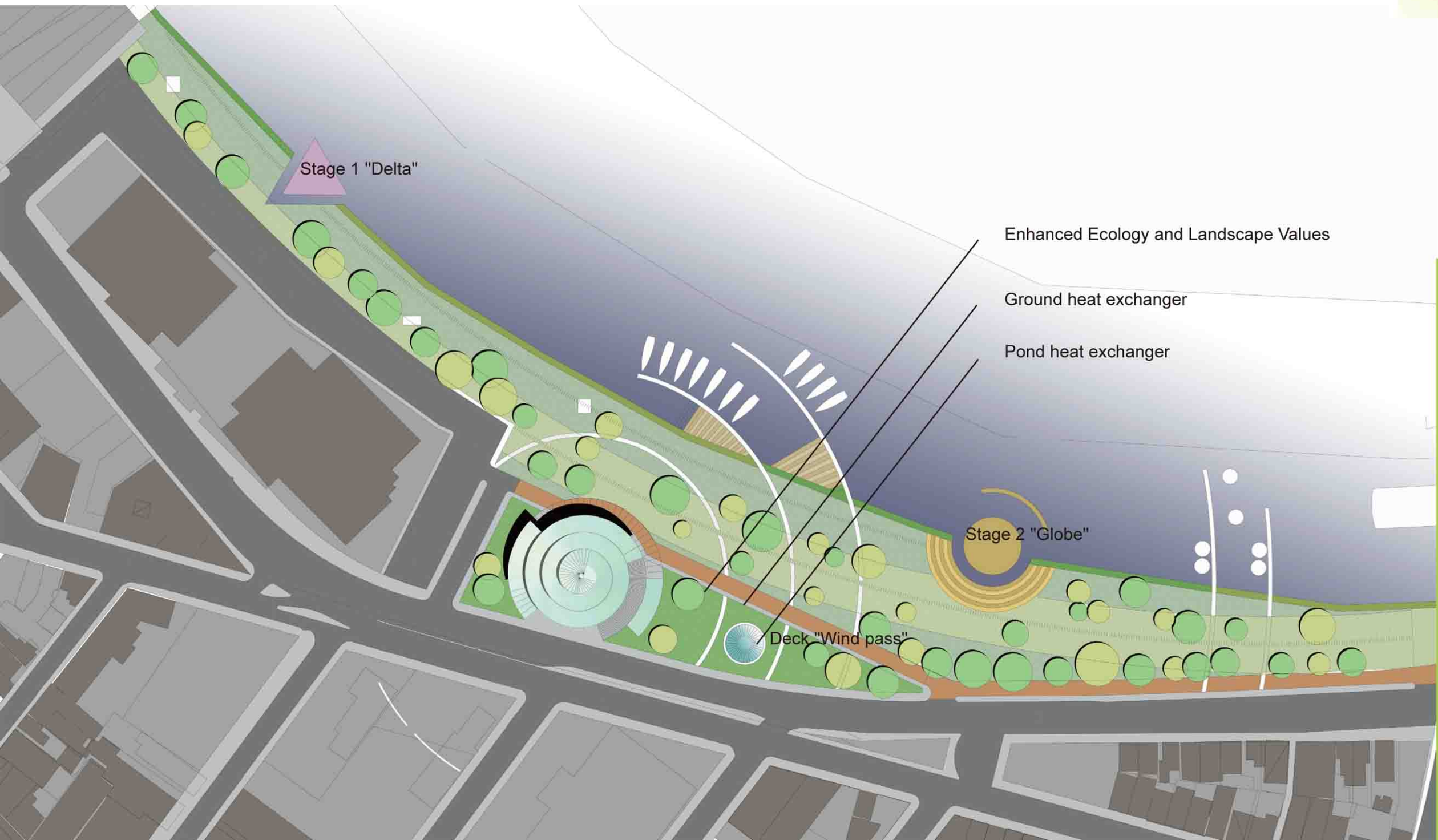
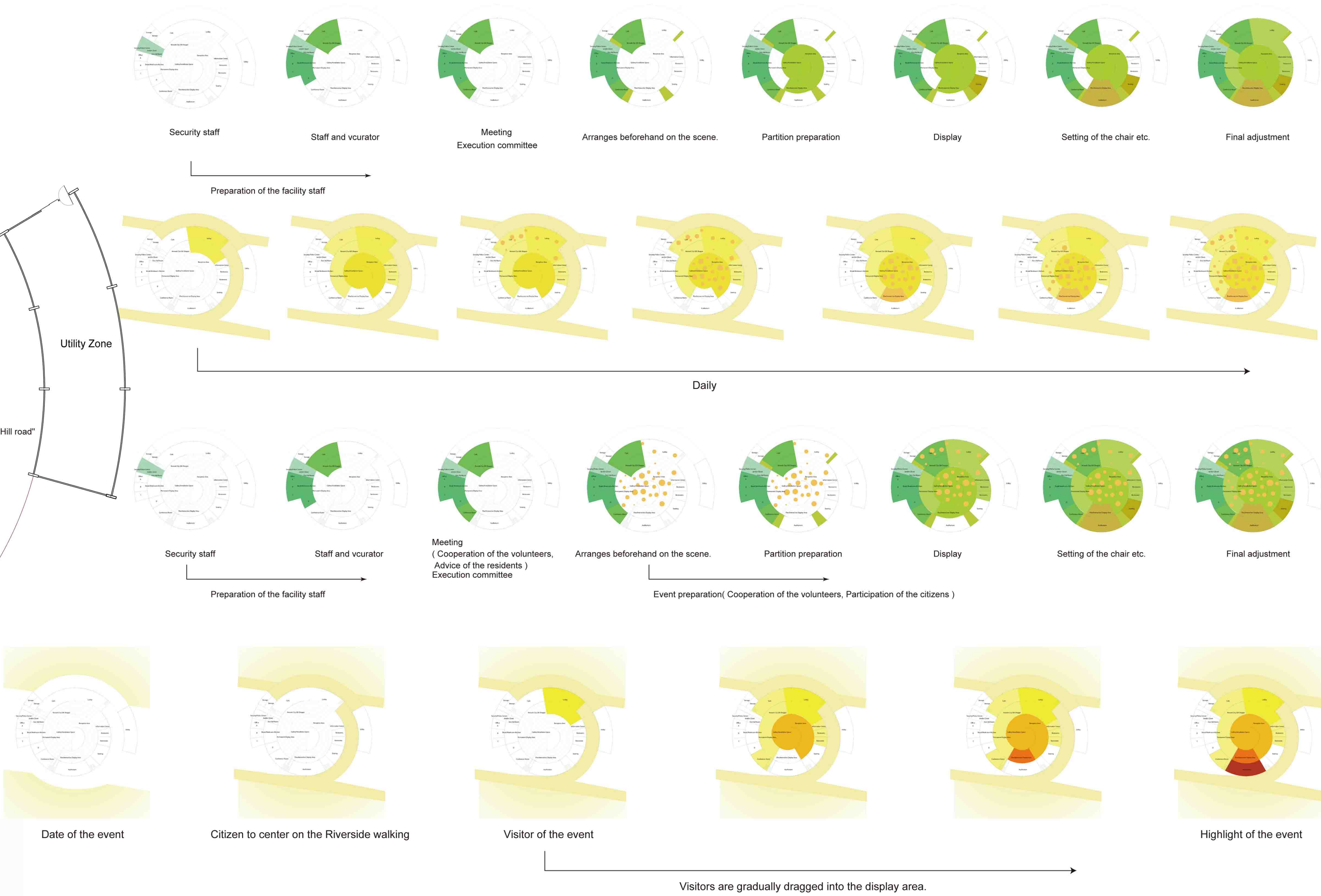


facade

Newark Visitor's Center



Plan 1:200



The Passaic River is the most important component of the city for Newark, New Jersey. Newark prospered as a trading port at the beginning of the 20th century. But the resident runs away a city in the vicinity by the riot, arson, and the plunder in 1967, and it has become a space that the urban function doesn't accompany. The town lost vigor, but the water of the Passaic River kept shining as a symbol of the town like former flow. Now, the movement to regain vigor before starts in the riverside. We obtained the chance to invent further hope by the proposed construction, and for the history of Newark to tie to the future. Visitor Center that built between the town and the river thought that it had to relate the background of waiting and the river, and to tell the person this place through construction.

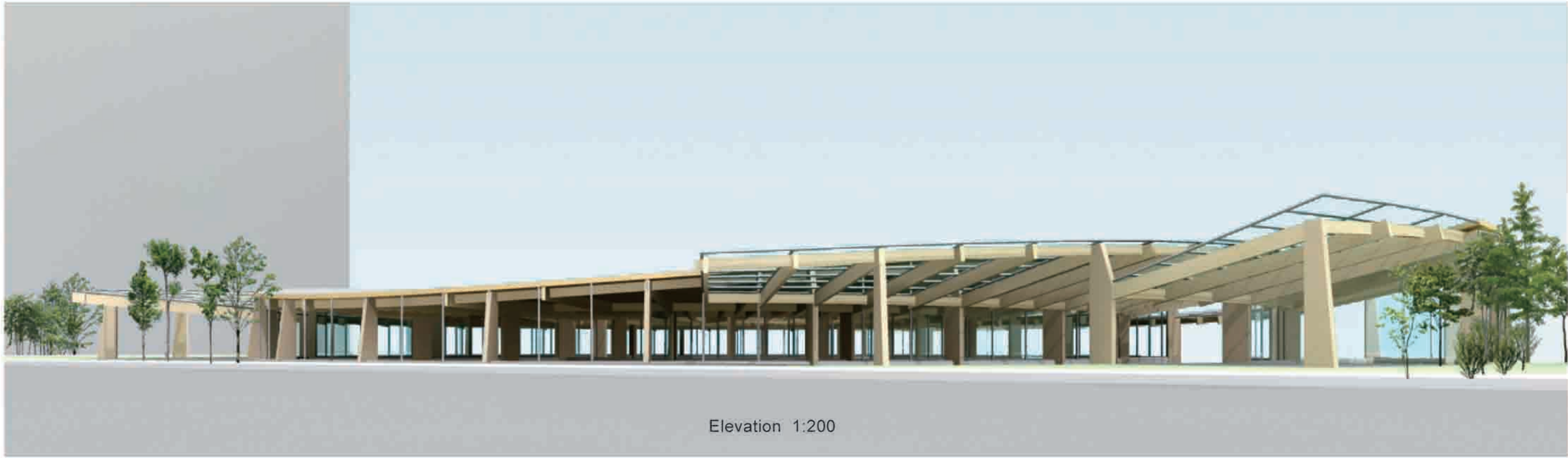
We were places where two powers gathered, and it tried to express shape as a place where power was generated. It is a reason why the shape of the whirlpool arose as a design that appropriates the focus importantly in the place.

In this building, it was intended that waiting was variously looked at by wandering the inside filled because of air and sunshiny of Newark, and it continued and the sense of waiting and the riverside be made to mix. And, it tries to turn one's mind to the river in outdoor again.

Newark Visitor Center is a building where Newark is experienced.

Vortex

Newark Vistor's Center



1. It aims to connect the building with nature in the riverside, for nature to do the reproduction expansion, and to become a diversified building environment. We can feel the diversity of nature from the inside of Visitor Center to the outside. It is thought that visual changing of the Passaic river water, relation that water and man are intimate and various, and the activation of the consideration of man becomes the foundation of the capital revival of water 'Newark' .
2. It aims alive living and can the activity of people who visit, it aims to contribute to the quality improvement of health and life of people who visit,and it aims to become basic that brews the culture. The construction of a building is assumed to be a tree structure. It is a space with warmth for people's mind and bodies, and it becomes architectural that improves the ratio of the resources recycling. The form in building and change in natural light from top light composed of louver of the glass and solar pane form people's good biological rhythms and the activity is activated.
3. It aims the building it where the energy consumption and the greenhouse gas exhaust are greatly decreased. The reduction in the amount of conserve CO2 and life cycle CO2 of the exhaust is achieved by making it to various indoor conditions suited to the individual and each place.

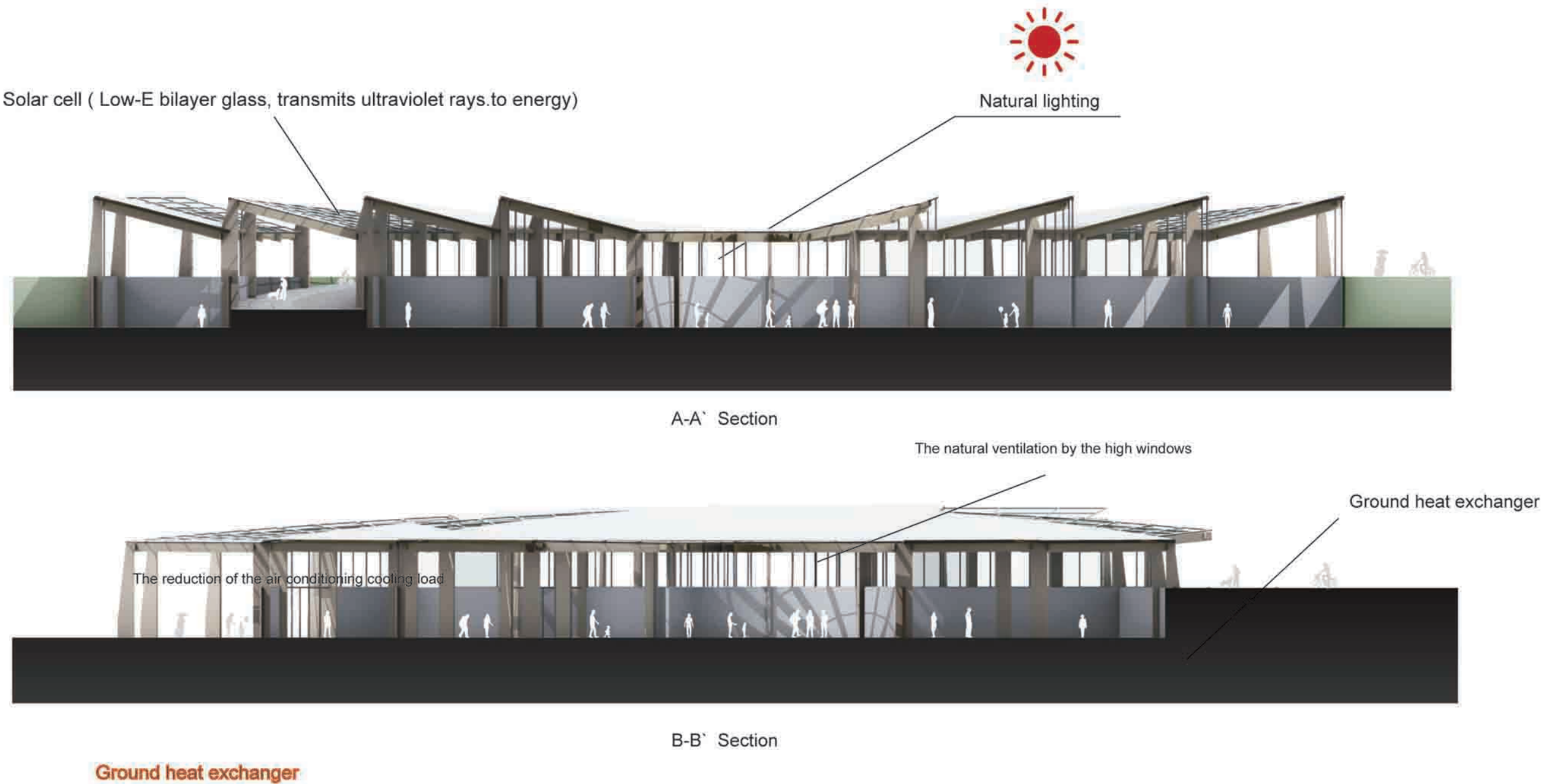
Now, the world faces a big transition stage in the society over the environment. Architecture surpasses wind and rain and the heat cold from nature that surrounds it, safeguards one's property, self-expresses, becomes the place of person's managing, and, in addition, has made the city. However, the ideal way of construction that harmonizes "Natural system" and "Person's system" is requested.

Newark Visitor Center is the friendly architecture for human and environment. it is construction that creates new value concerning the environment, and reduces the negative environmental impact drastically at the same time. It is thought that it becomes a chance for this construction not only become basic of the city revival for people in the town but also to become the symbol of a carbon neutral building all over the world and to change the world.

Newark Visitor Center plays another big role.

It is a theme of construction that thinks an excellent relation of nature to be a person and a person and a person.

The small building of Visitor Center becomes a starting point, the key point of waiting is connected through the riverside in the Passaic River, and the network of waiting for straightening the man activity is made. A small point for the individual citizens and enterprise to make an effort becomes a line, it becomes respect, and vigor is regained in the town. And, the history of new Newark starts.



Ground heat exchanger

A ground source heat pump exchanges heat with the ground. This is much more energy-efficient because underground temperatures are more stable than air temperatures through the year.

A geothermal heat pump or ground source heat pump (GSHP) is a central heating and/or cooling systemthat pumps heat to or from the ground. It uses the earth as a heat source (in the winter), or a heat sink (in the summer).

We are planning to mainly use natural lighting to cut down on the cost of our energy levels. When we are using artificial lighting, we will be using a product called daylight which saves more energy than normal lighting systems.

