



plan

The architect, Koji Hujii has built 5 environmental house tentatively in Ohyamazaki. Chouchikukyo is the corpus of them and famous as the house adapted to the Japanese climate and lifestyle of the day. He showed the method of design based on environmental technology.

After he researched the climate of western countries and cities, he compared it with Japanese climate. Then, he declared the best comfortable thermal environment for human.

Combination of Zashiki (Japanese style of sitting, which people sits on the floors) and western style of sitting on chairs.

All made by natural materials. House built in the style of a tea-ceremony house and in the international style of design. A mixture of two different cultures.

He suggested these 3 points for Japanese house.

1. passive architectural plan and design approached with science.
2. use of natural materials
3. mixing European style into Japanese style



Cool tube is an airway carrying the air from west side of the building to the living room. The heated air cools down by the earth temperature. The gateway of the tube is implanted in the step of the Tatami.



a vent established on the ceiling



Engawa is a sunroom. This room has nice view and full filling natural lighting, because it replaced the 3 of walls into windows. This room become the buffer, defences the heat in summer, and gains the direct sunshine in winter.



Air in the house flows out to the attic through the vent established on the ceiling or RANMA (transom window).

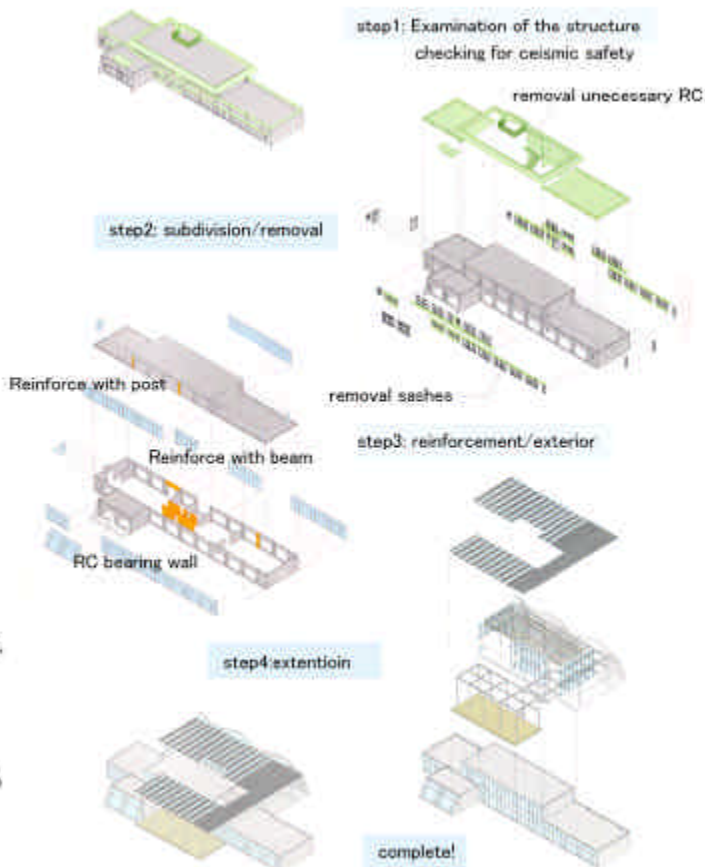
Airway connecting underground and the attic also assembles the air to the attic. These faculties supply good ventilation of the indoor spaces.

3 projects of "REFINE ARCHITECTURE"

Shigeru Aoki

We have already had enough space to live in and a lot of space has started being surplus. We are conscious of ecology problem and that we have to stop this rash scrap & build. "Refine Architecture" is one of the answers for the problems. It is a way to revive a building with a fresh design but using its existing structure. It also tends to be financially preferable for the client. The architect Shigeru Aoki is the advocator of "REFINE ARCHITECTURE" and has succeeded this method in many projects.

The second project, gymnastics of the Yame public junior high school was built in Yame city of Fukuoka prefecture in 1961, and was refined in February 2004. The building was achieved zero-emission under the influence of Kyoto Protocol. The double structured walls made by galbarium steel reflects more than 70% of the heat, is with high water proofing property, and is well served to insulate the building.



Yame city Multi generation center 2001/5 Yame-city Fukuoka-prefecture



Sea Museum in Kamae 2005/3 Kamae-town Ohta-prefecture

