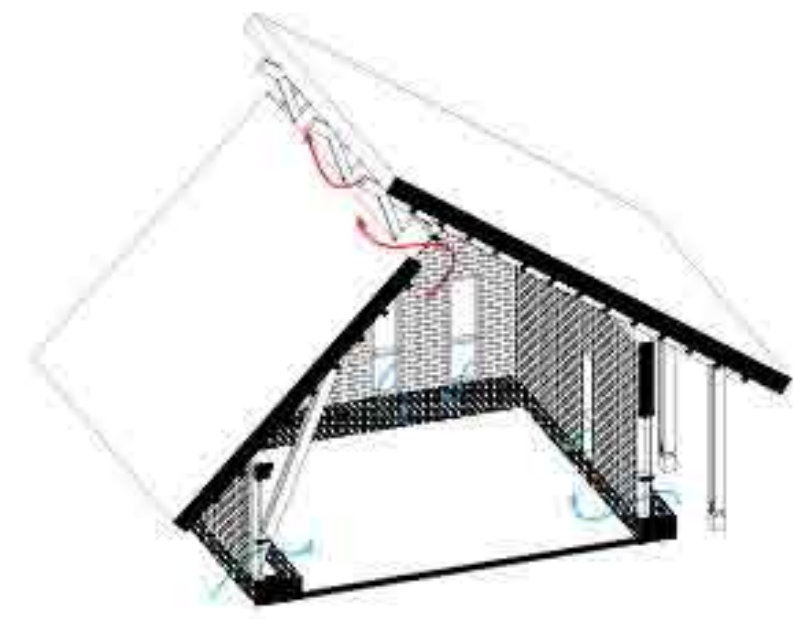


Interior perspective

- 5 Thatch roof - insulation and roof waterproofing
- 4 Wood structure - carpentry
- 3 Load-bearing walls made out of raw earth brick rice straw insulation
Glass windows - ventilation through the low windows on the facades and by the shed in roofing
- 2 Stone basement - isolate brick walls from humidity of the ground
- 1 Concrete - foundation



Ventilation system

ECONOMIC VALUE

With the ecological side, the use of local materials is also one and economic. In fact the use of these materials avoids the costs of travel and delivery thus favoring the local economy. So this project is designed with materials common in this cheaper region. Such as land that is cheap material is extracted and assembled around the site. In this same car-saving worry, the use of glass, when it is reduced to its maximum in only two in all buildings.



Transversal section and plan

CONTEXT

The project is located in the Gizhou Provinces of China surrounded by forests and rivers and inhabited by a population named Buy with traditional customs. In order to best address this project we have been interested in this particular environment and in its resources as well as these architectural traditions. In view of the numerous natural resources available in the surrounding area and its rural situation, the project is part of a process of ecological construction using local materials that are economical, easily mountable and which allows the notion of a participatory site.

PROGRAM

In this project, two programs are articulated: a library and a canteen within a surface of 100 m² through a simple and geometric shape, the rectangle. This configuration allows the sharing of two functions in a space according to their schedules of attendance. Thus, the canteen is installed in all the space thanks to these seats and its tables during the meals. The library takes place on the facades playing with the wooden frame conceived in a way to create a maximum of space. However, it can be extended in its turn through the furniture the rest of the day.

READ

EAT



ECOLOGICAL VALUE

This project, born its essentiality of sourced organic materials such as the stones located at the edge of the rivers or the rice straw from the rice fields, the main food in this region. The use of this type of material allows the principle of recycling and the optimal use in the case of rice straw. Finally, these local materials make it possible to considerably reduce the imports of neighboring cities, regions or even other countries, and thus reduce the carbon footprint of the building.

Eco-friendly

Economically efficient

Easy and quick to built

Children participate

