

Aesthetics

and ecology

for a new home.



Brunnenwiese



Brunnenwiese community
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Brunnenwiese

Project name: Brunnenwiese

Owner: Wohnungsgenossenschaft
Sieben Linden eG

Design/ architect: Arnold Dransfeld

Location: Altmark/ Germany

Type of use: community residential building

Floor area: 240 sqm

Type of straw bale method: non-load-bearing

Number of floors: 2,5

Year of completion: 2007

Foundation: concrete with very little steel

Floor: gravel, timber flooring

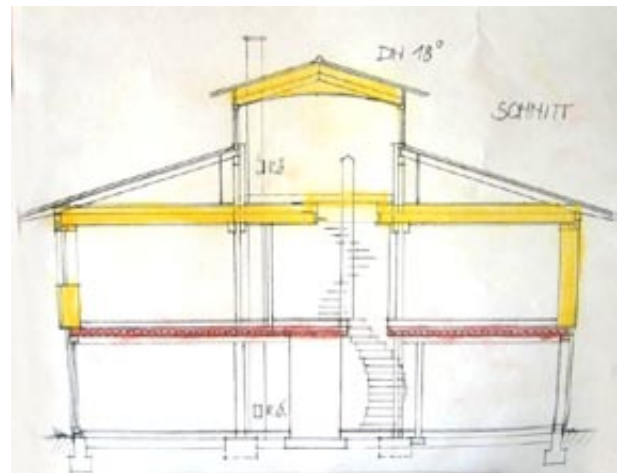
Exterior wall construction:
first floor: timber construction insulated
with hemp
second floor: timber construction with
strawbales, covered with clay, on the
weather side an additional wooden facade,
inside covered with clay

Interior wall construction: Unburnt clay bricks
 $t=12\text{cm}$, clay plaster on both sides

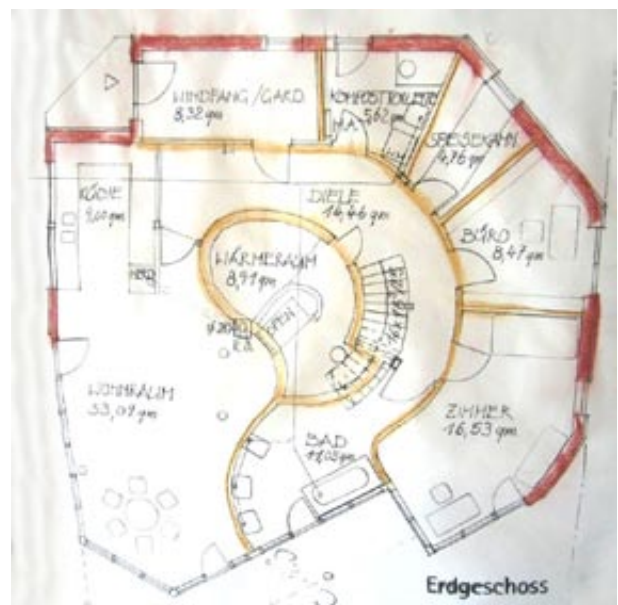
Roof construction: , ... burnt clay roof tiles

R-Value of wall: $0,15 \text{ W/m}^2\text{K}$

Manufacturing process: Built by volunteers and
professionals



cross section



ground floor



first floor

Brunnenwiese



four elements

Fire, air, earth and water - each of the four elements you can find in the house



view

From the house you have a wonderful view over the landscape.



Brunnenwiese



foundation



big tree- trunk



teamwork



wood construction

Brunnenwiese



organic forms in floors ...



... and walls



ornaments in the plaster



the staircase round the big tree-trunk