

appendix Villa Strohbund

Fully sustainable
materials,
building process
and further lifestyle.



Club 99/ Einfach Gut Leben e. V.



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Villa Strohbund

Project name: Villa Strohbund

Owner: Einfach Gut Leben e.V.

Design/ architect: Residents

Location: Altmark/ Germany

Type of use: community residential building

Floor area: 100 + 2x12 sqm

Type of straw bale method: non-load-bearing

Number of floors: 2

Year of completion: 2004

Foundation: Recycled granite blocks

Floor: straw, clay, recycled wood floor

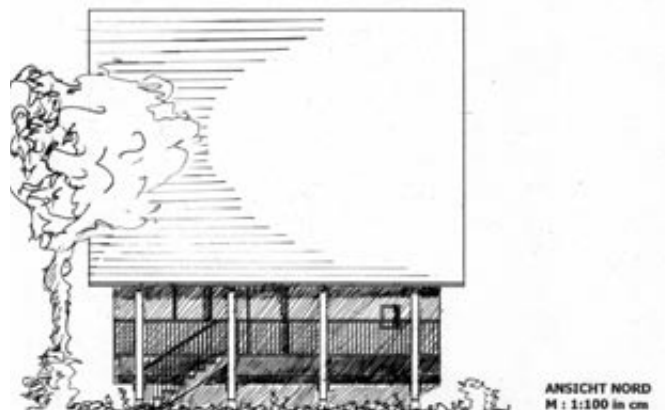
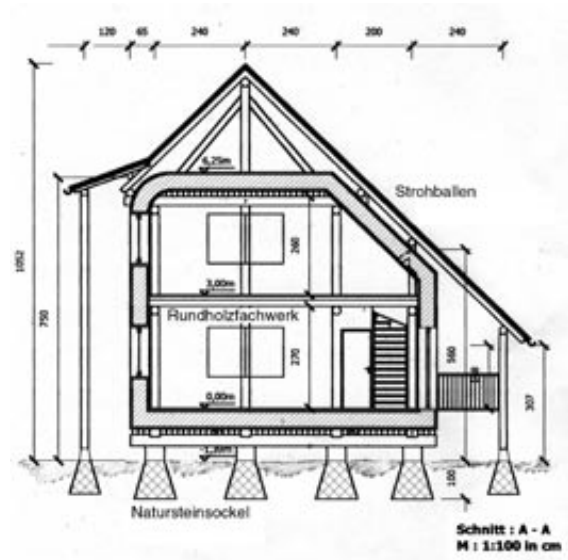
Exterior wall construction:
timber konstruktion with strawbales, covered
with clay, on the weather side an additional
wooden facade, inside covered with clay

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

Roof construction: recycled burnt clay roof ti-
les

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

Manufacturing process: Built by residents and
volunteers



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felling trees

The wood- construction is made of pine trees which are cut by the housebuilders themselves in a forest only 500 metres away from the construction site.



horse power

For transport we used logs being pulled by draft horses, that are trained by one of the inhabitants herself.



human power

We invented additional techniques to improve traditional tools for handicraft.

Avoiding machines as much as possible was very important.



Villa Strohbund



wood construction

Setting up the wood construction - a hard and challenging work and a satisfying moment.



morning circle

Every morning there was a circle for permanent builders and guests with tuning in, singing, asking questions ...



family work

Not only hands can work, there is also a lot to do for the feet of adults and children (if they are willing to help!?) - and who ever cleaned his feet so perfectly?

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forest

Most of the forest around the property consists of monocultures of pinetrees since centuries. Now the project starts to transform them into forests of diversity...



solar cooker

In Villa Strohbund a sunlight concentrating solar cooker is used in summer on every sunny day for boiling, cooking and baking.



organically treated farms

We grow most of our food by ourselves on organically treated fields, using no machines that compress and contaminate the soil, but using human and horse power.



The planet that provides everything we need to live and the planet that is our only home.

Villa Strohbund



View of the front (southern) side.



Inside the house.



domes

The first domes in Europe that are built out of straw bales without any supporting construction.

