

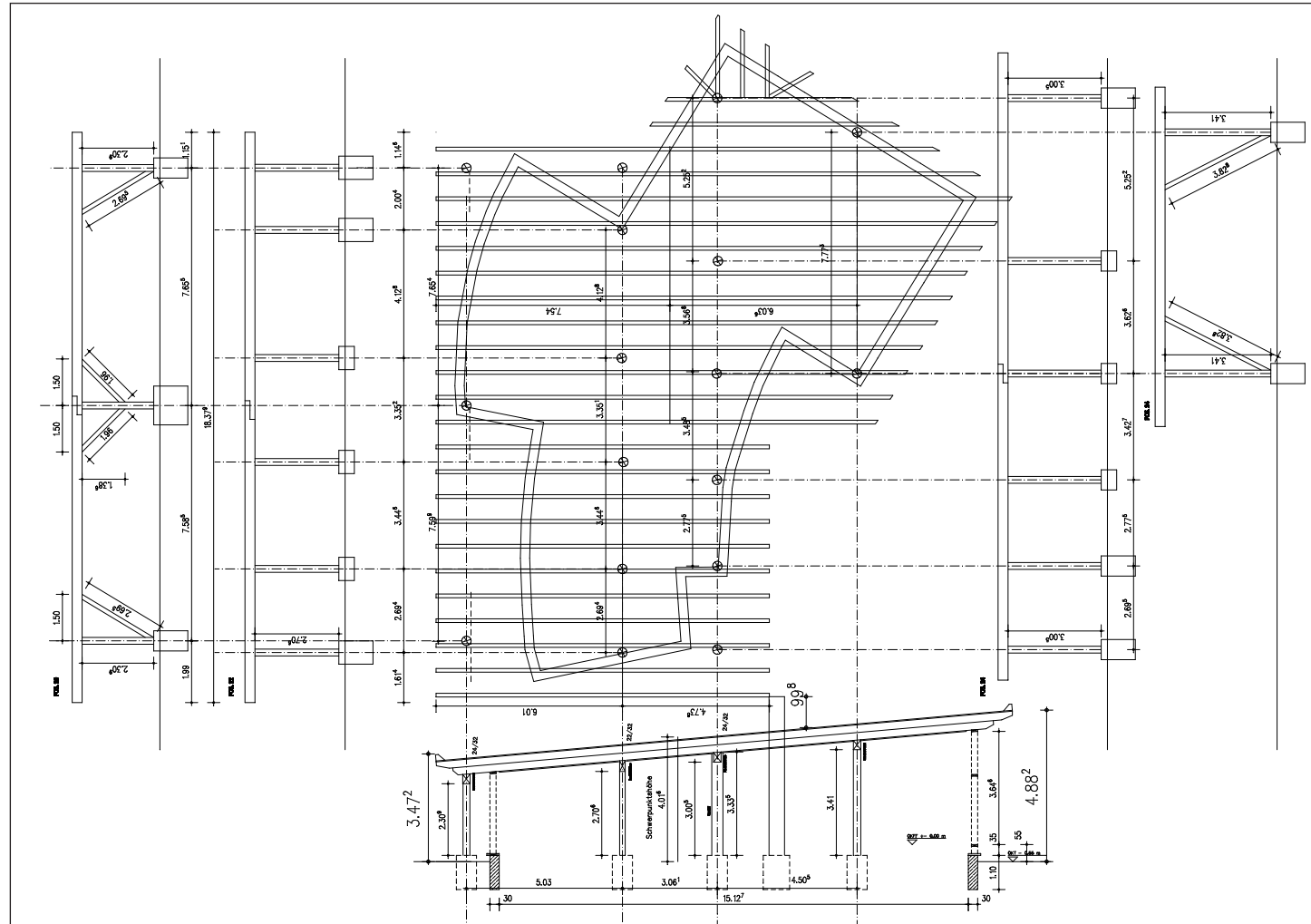
Strawbale house Kröger

Short description

Planning: Dipl. Ing. Architect Dirk Scharmer, Lueneburg
Building place: one-family house in the "Wendland" Niedersach sen
Design: 1-story strawbale house with clay-plastered post and beam structure
Size: approx. 150m² effective area
Carrying out: different companies, wallraising and clay-plaste ring partial in personal investment
Time: July 2003 - September 2004
Expenses: approx. 1.000 EUR/m² effective area

Short specification

Foundation: Concrete strip foundations, base slab without re-bars;
Floor: Strawbale-insulation, wooden floor and tiles;
Walls: wooden posts in strawbalerange of 0,6-0,7m, with high compressed strawbales between (wxhxl 0,4x0,28x0,7m), inside clay plaster 5cm, on the exterior walls clay plaster 3 cm
Roof construction: perling roof insulated with strawbales, double rafters with high=48cm (40cm straw, 1cm clay, 7cm air), green roof on PE-sheet
Inside expansion: Inner surfaces of 10cm strong straw-clay- prefabricated elements (Co. Karphosit). Surfaced with clay plaster d=1,5 cm, air density via crack avoidance and adhesived connections



design



construction process



complete straw - walls



high-pressure plastering