



## Project Information

### Builder-Owner

Miterrichtergemeinschaft  
Kaufmann/Lenz/Gmeiner und Fa.  
Revital Bauträger GmbH

### Location

Schwarzach

### Completion

1999

### Project facts

n.b.ar. 1.390,00 m<sup>2</sup>, GFA 1.670,00 m<sup>2</sup>,  
GBV 4.220,00 m<sup>3</sup>

## A 58-meter-long timber "living cube" floats above an architectural office space.

This 'living cube' protrudes north and south, with a sheltered, covered entrance and access on the north side, with a shaded facade on the south. The cube is clad with plywood, while the base is covered with painted OSB panels. The basement ceiling is designed as a heavily insulated timber construction. The ground floor ceiling, due to the energy and building climatic considerations, is designed as an in-situ concrete slab which takes on an additional function of cooling.

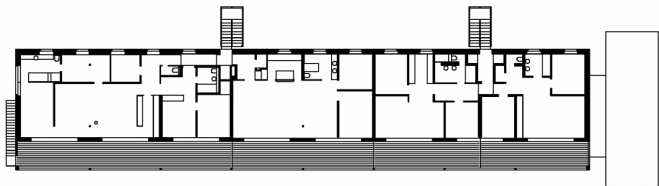
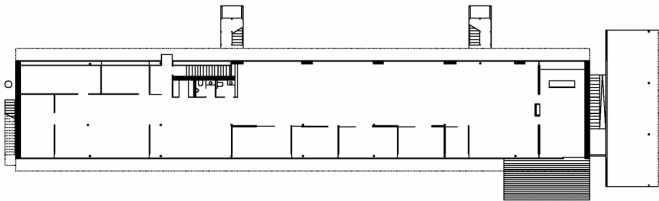
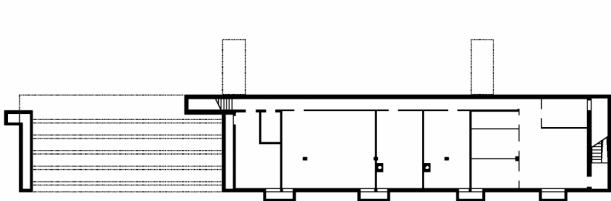
The upper floor is executed in a 35 cm thick insulated timber construction. The roof is made up of narrow Douglas fir BSH girders and is designed as a 'warm roof' with 45 cm thermal insulation. This creates a bright, open, transparent office space on the ground floor and generous apartment with a wide terrace on the upper floor, which is accessed by a timber, external staircase, which is protected by translucent panels.

The building is an expression of how the Kaufmann / Lenz / Gmeiner office thinks and works: a clear, pragmatic architectural language with building structures that emerge from the sensible use of materials, and that also have a high degree of ecological responsibility.

Office and apartments are equipped with controlled ventilation; the additional heating is via a gas boiler. Based on the building simulation, a heating energy consumption of 23 kWh / m<sup>2</sup> a year can be expected on the upper living floor. 10 kWh / m<sup>2</sup> can be expected in the offices due to the greater internal energy sources.







**Project Stakeholders****Cooperation**

DI Christian Lenz

**Project Leader**

DI Christian Lenz

**Colleague**

DI Peter Nußbaumer

Bmst. Wolfgang Elmenreich

**Cost Planning**

Bmst. Ing Norbert Kaufmann

Elmar Gmeiner

**Structural Engineering**

M+G Ingenieure, Feldkirch

**Structural Engineering**

Statikbüro Galehr, Feldkirch

**Heating Ventilation and****Sanitary Planning**

Ing. Peter Naßwetter, Batschuns

**Electronics Planning**

Hecht Elektroplanung, Rankweil

**Building Physics**

DI Dr. Lothar Künz ZT GmbH,

Hard

**Akustik**

Ing. Karl Brüstle, Dornbirn

**Green Space Planning**

DI Barbara Bacher, Linz

**Awards**

Haus der Zukunft – BM für

Wirtschaftliche

Angelegenheiten

2000 (Preis)

**Rights**

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Bronwen Rolls

Foto Ignacio Martinez