



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 m², GFA 1.670,00 m²,
GBV 4.220,00 m³

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

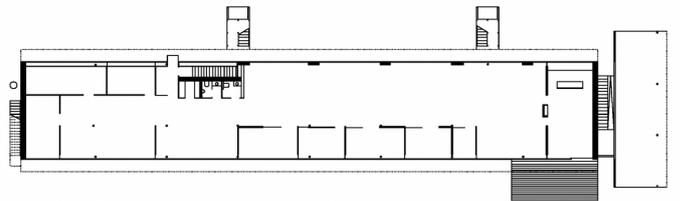
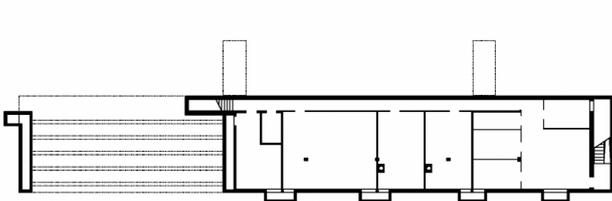
This 'living cube' protrudes north and south, with a sheltered, covered entrance and access on the north side, with a shaded facade on the south. The cube is clad with plywood, while the base is covered with painted OSB panels. The basement ceiling is designed as a heavily insulated timber construction. 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 / m² a year can be expected on the upper living floor. 10 kWh / m² 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)

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Foto Ignacio Martinez