

Apartment house, Küsnacht ZH

2018



In the case of the apartment building on Zürichstrasse in Küsnacht, practically everything that protrudes from the ground is made of wood. The building, which is located in the middle of the Zurich suburb, comprises four apartments with a view of Lake Zurich.

The project

The apartment building in Küsnacht near Zurich was built to replace a house that was getting on in years. It is centrally located in the immediate vicinity of the Küsnacht-Goldbach train station and numerous stores, restaurants and banks. The building has four floors, each with a spacious apartment from whose terraces the residents can enjoy the view over Lake Zurich. The architects took care to ensure that the simple volume, with its classic tripartite division of base, middle section and roof projecting on all sides, fits in well with the structure of the existing neighborhood.

The construction

In the case of the residential building, everything above ground level was constructed in wood. The walls, ceilings, facade, staircase and elevator shaft are all made of wood. In order to ensure sound insulation, the solid wood floor slabs were covered with chippings. A photovoltaic system for energy generation was installed on the roof of the apartment building, which meets the Minergie®-P standard.

The challenge

The heavy concrete stair elements in the light-flooded stairwell had to be supported on the lightweight, encapsulated wooden structure. Another challenge was to realize the entire bracing of the building over the interior and exterior walls made of wood.



From the balconies you have a magnificent view of Lake Zurich



More solar panels will be mounted on the bay windows at a later date



One of the wooden terraces during the construction work



View of the interior: In the foreground you can see the supports that carry the ceiling

Construction Data

- Cross laminated timber 80 m³
- Structural timber 42 m³
- Three-layer board 380 m²

Services of Timbatec

- SIA Phase 31 Preliminary design
- SIA Phase 32 Construction project
- Statics and construction
- Fire protection planning
- SIA Phase 41 Tendering and comparison of offers
- SIA Phase 51 Implementation project
- SIA Phase 52 Execution
- Cost estimation

Architect

Kämpfen für Architektur AG
8048 Zurich

Holzbau

Artho Holz- und Elementbau AG
8735 St. Gallenkappel