

Extension Bahnhofstrasse, Busswil

01.01.2024



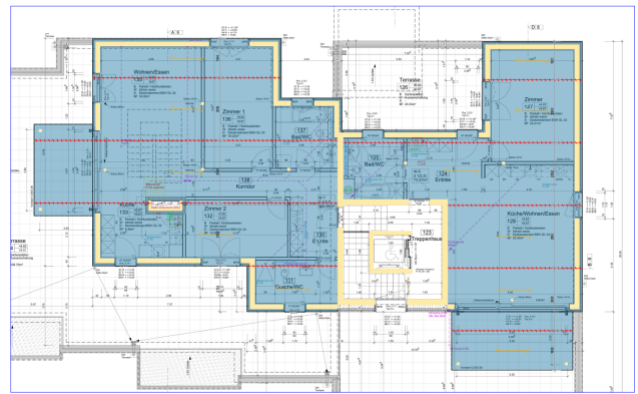
The existing apartment building from the 1980s on Bahnhofstrasse in Busswil was extended with an annex and raised with an attic floor. With the TS3 system, the extension was able to fully utilise the building regulations without losing room height due to beams.

The project

The construction addresses the issue of densification of existing buildings. A new parking garage was built, a solid extension was added, and an attic floor was added to increase the height of the building. The extension was constructed as a timber structure spanning the entire building.

The construction method

The exterior walls were constructed using timber frame construction. With the exception of the load-bearing apartment partition walls, all interior walls are non-load-bearing. The flat roof was constructed using the TS3 system made of CLT panels and is supported only by columns on the inside. The TS3 ceilings run uninterrupted from the warm to the cold area to cover the spacious terraces. At the customer's request, the ceiling of one flat was planked with plasterboard and plastered, while in the second flat the CLT ceiling will remain visible.



Construction data

- Number of floors: 1
- Gross floor area: 228 m²
- Cross laminated timber: 46 m³
- TS3 technology: 75 Running meters of joint

Architecture

Nerinvest AG, Murten

Client

Nerinvest AG, Murten

Timber engineer

Timbatec Holzbau Ingenieure Schweiz AG, Zürich

Timber construction

Sieber Holzbau AG, Utzigen