

New construction vacation homes Lengi Müru, Saas-Fee

2007



The new building Lengi Müru includes four vacation single-family houses at the top of the village Saas-Fee. The houses are equipped with cantilevered terraces that are simultaneously cut into the building. They are vacation chalets of a high standard. The client and architect is Jürg Bumann, a native of Saas-Fee who runs his architectural practice in Zurich.

The project

Timbatec was entrusted with the task of calculating the structural analysis for the timber construction and preparing the tender texts.

The construction method

Laminated veneer lumber panels (Kerto Q) were used for the construction of the exterior walls. An additional challenge was the large snow loads at this height and the heavy roof covering (stone slabs). For the walls, the efficient and flexible timber frame construction method was chosen; for the ceilings, box girders, which were manufactured by the timber contractor himself.

The challenge

The houses are provided with cantilevered terraces that are simultaneously cut into the building. The challenge was to structurally support the corners above each of them without making the structure visually obtrusive. This was achieved by the special supporting structure in the exterior walls.



Fire protection cladding



Eaves detail



Roofing with natural stone slabs

Construction Data

- Four vacation homes
- Timber frame construction
- Laminated veneer panels
- Roofing stone slabs

Services of Timbatec

- Structural analysis and design
- SIA phase 41 tendering and comparison of offers
- Site supervision and site inspections
- Details/detailed solutions
- Accompaniment and consulting of contractor and architect

Civil Engineer

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