

Conversion Haldenhof, Hallwil

2020



Two farmers took over the Haldenhof in Hallwil. They want to run the farm in an animal-friendly and ecological way and therefore planned a conversion to be able to supply the farm as independently as possible. A Besenbeiz is to complement the offer.

The project

The construction project consists of a new replacement building and a subsequent event part. The barn is planned as a wooden construction except for the concrete foundation. The terrain level is used for animal housing. The two intermediate floors arranged above the stables are used to store straw and hay. The hay storage will be equipped with an under-ventilation system. In addition, a hay crane is located in the barn. Outside the barn, an office space is located on one side and a floor for storing hay bales is suspended from the trusses on the other. This suspended hay floor on the outside of the barn to the trusses had to be carefully designed. The barn also had to be able to handle the demands of a hay crane.

The construction method

The new event building is built up to the 1st floor in solid construction. The building has a staircase and an elevator shaft, which were concreted up to the roof space. The floor slab on the 1st floor and the roof are built as a truss structure in timber construction. The beams of the floor slabs are suspended from the trusses with wooden posts. The event building is equipped with direct access to the office space. The external staircase is protected from the weather by two wooden adhesive roofs placed one above the other. The suspended floor slabs in the event building required special attention.



Suspension hay crane in the barn

Construction Data

- Glulam GL24h 170 m³
- Three-layer panels 1'700 m²
- Glued laminated timber C24 60 m³

Services of Timbatec

- SIA Phase 31 Preliminary design
- SIA Phase 32 Construction project
- SIA Phase 51 Implementation project
- SIA Phase 52 Execution
- Statics and construction
- Fire protection Quality assurance QSS1



Covered balcony

Architect

Kurt Brunner 5705 Hallwil

Client

Leuenberger Architekten AG 6034 Inwil

Timberconstruction engineer

Timbatec Holzbauingenieure Schweiz AG 8005 Zurich

Timberconstruction

Zimmerei Frei AG 6331 Hünenberg

Photography

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