

Double kindergarten, Lohn-Ammansegg

2004



The municipality of Lohn-Ammansegg wants to build a new double kindergarten. The planned object consists of 2 cubes, which are positioned laterally and offset in height on a slight slope.

The project

The assignment Due to the planned use, a division into two parts with one row of columns was achieved within the cubes. At the same time, the span was reduced from about 11.50 m to about 7.40 m. The roof elements were formed from 2 edge beams in BSH 140 / 440 and cross beams in between. The largest element measured around 4.00 x 11.50 m.

The construction method

The Timbatec office provided the foundation for the extremely fast and precise assembly with structural analysis, design and factory planning on CADWORK 3D and 2D. At the request of the contractor, all joints (including those in the upright frame timbers) were designed as dovetail joints. With modern joinery systems, the production does not represent any additional effort, but the assembly of the elements is faster and, above all, error-free.



Input



Fassade



Interior view 1



Interior view 2

Construction Data

- Floor area: 460 m²
- Room height: 2.70 m
- Building volume: 1240 m³
- boards OSB 3 15 mm 205 m²
- Boards OSB 3 18 mm 416 m²
- boards DWD 200 m²
- 3-layer board Fi B/C 19 mm with acoustic perforation 450 m²
- 3-layer board Fi C/C 27 mm 120 m²
- Glulam GL 24h 52 m³
- Solid wood C24 4.4 m³

Services of Timbatec

- Statics and construction
- Works planning 3D and 2D

Timber construction contractors

Hector Egger Holzbau AG
4900 Langenthal

Timber construction engineers

Timbatec Holzbauingenieure Schweiz AG, Thun
3600 Thun

Architect

Felber und Szelpal Architekten
4500 Solothurn

Client

Municipality of Lohn-Ammansegg
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