

# Allenlüften school complex, Municipality Mühleberg

2014

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New building extension of the Allenlüften school complex (Mühleberg municipality) - the winning project of the Planrand GmbH architectural office.

## The project

With the new building for the extension of the school complex Allenlüften (municipality of Mühleberg) the winning project of the architectural office Planrand GmbH from the competition was realized. The building contains several classrooms, three kindergartens and a day school with the corresponding ancillary rooms.

## The construction method

The simple new building with dimensions of approximately 20 x 56 m and a height of about 12.5 m was constructed as a reinforced concrete skeleton structure with a curtain-type wooden facade. In the three kindergartens there are also small gallery-like fixtures. The focus of attention for this building was the facade. A formwork was used which, thanks to the Blood pre-graying method from Schillinge Holz AG, has a uniform gray-silver appearance.



South facade



East facade



East facade



Architectural model

### Construction Data

- 50 m<sup>3</sup> Structural timber C24
- 765 m<sup>2</sup> OSB boards
- 940 m<sup>2</sup> Soft fiber boards
- 1220 m<sup>2</sup> Facade formwork

### Services of Timbatec

- SIA phase 31 preliminary project
- Cost estimate
- SIA Phase 32 Construction project
- Structural analysis and design
- SIA Phase 41 Tendering and comparison of offers
- SIA Phase 51 Implementation project
- Site supervision and site inspections

### Client

Mühleberg Residents' Association  
3203 Mühleberg

### Architect

Planrand Architekten GmbH  
3095 Spiegel b. Bern

### Civil engineer

WAM Ingenieure + Planer AG  
3005 Bern

### Building physics

Weber Energy and Building Physics  
3012 Bern

### Timber construction

Beer Holzbau AG  
3072 Ostermundigen

### Timber Construction Engineers

Timbatec Holzbauingenieure Schweiz AG, Thun  
3600 Thun