# Allenlüften school complex, Municipality Mühleberg

2014





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  $20 \times 56$  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 Biood pre-greying method from Schillinge Holz AG, has a uniform gray-silver appearance.





South facade



East facade

## **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



East facade



Architectural model

#### 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

#### **Timberconstruction**

Beer Holzbau AG 3072 Ostermundigen

## **Timber Construction Engineers**

Timbatec Holzbauingenieure Schweiz AG, Thun 3600 Thun

