

New construction of boarding school Försterschule, Lyss

1996



An exceptional tender, a large construction volume and a short construction period characterize this project.

The project

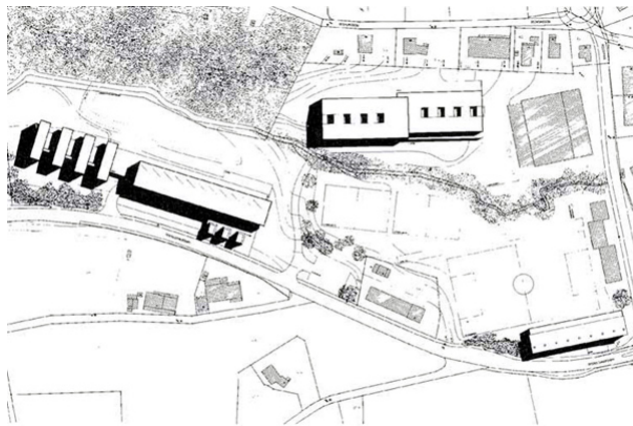
The architects did not prescribe how the 4 residential buildings for 100 students are constructed, but only what requirements they had to meet. The rest - creative performance competition. An unusual method and also not quite fair. Because good ideas are not paid, although the effort is enormous. In the end, the project was carried out in a wooden element construction system. The element size is matched to each room; a measure for better sound insulation between the rooms. The balconies are suspended from the outside with steel rods on single or double girders.

The construction method

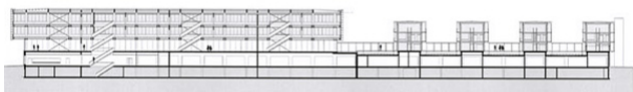
Horizontal wood-based panels on each floor transfer the horizontal forces into the walls. Wind forces are dissipated into the foundation via planking on both sides of the exterior walls with gypsum fiberboard. The efficiency of the series was impressively demonstrated here. Thus, of the 104 x occurring wall type, 2 pieces were produced on the first day, and 12 pieces on the last day. The assembly time was also different. The assembly of the 4 identical buildings took 15 days for the first one, and 6.5 days for the last one. Publications: DETAIL Magazine for Architecture + Building Detail 7/1997 German Building Magazine DBZ 9/1997 Hochparterre Extended Offprint from HP 4/1997 Brochure International Forester School, HFF Lyss 1999



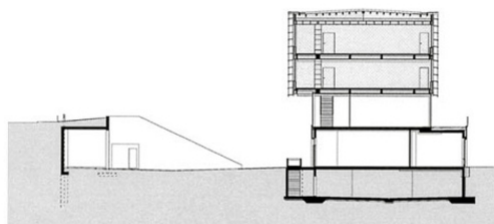
Corridor



Aerial view



Section through the building 2



Section through the building 3

Construction Data

- Glulam A 15 m³
- BSH frame quality (Schuler) 250 m³
- Number of wooden elements 880 Living space: 1660 m²
- Constructed space: 3990 m³
- Construction time timber construction: 4 months

Timber construction contractor

Boss Holzbau AG
3600 Thun

Timber construction engineer

Stefan Zöllig c/o Boss Holzbau AG
3600 Thun

Owner

Foundation Intercantonal Forester School
3250 Lyss

Architect

I + B Architekten AG
3013 Bern

Test statics

Chabloz + partenaires
1052 Le Mont

Civil engineer

Pareth Ingenieure
3250 Lyss