

New office building Schmelzbergstrasse, Zürich

2008



During the renovation of the East I-III ward block of the University Hospital Zurich, several office workstations had to be outsourced to ensure economic and rational operation.

The project

The simplest solution to this problem was the construction of a temporary office building in the immediate vicinity. The useful life of this temporary facility was set at 6 years, after which the building would be dismantled and the land area renaturalized. The execution: Since the space conditions were rather limited, a three-storey building (ground floor; upper floor 1 and upper floor 2) of approx. 40 m length, 6 m width and 9 m height was created. Since the rear retaining wall could not be used for the foundation, individual foundations had to be constructed.

The construction method

In the front part of the building, elevated point supports were concreted directly onto the retaining wall. All load distribution to the foundations is provided by a steel girder grid supported by the floor elements of the first floor. The superstructure above was built using conventional frame construction, with the interior walls being non-load-bearing. Special attention was required for the fire protection concept and the escape routes, all of which had to be strictly adhered to. The facade of cement-bonded particleboard (nbb) takes into account the distances between buildings, which in some cases were below standard. A two-meter projecting wall bar prevents a fire from spreading to the window front at the smallest building distance.



Fundamente



Front view with entrance front



Facade narrow side



tight space conditions

Construction Data

- Three floors
- Length / width / height: 40 m / 6 m / 9 m

Services of Timbatec

- SIA phase 32 construction project
- Statics and construction
- SIA Phase 51 Implementation project
- Technical site management and site inspections

Architect

Zehnder Holz+Bau AG, Architecture
8404 Winterthur-Hegi

Timber Contractor

Zehnder Holz+Bau AG, Timber Contractor
8404 Winterthur-Hegi