

# Multi family house Breitestrasse, Wallisellen

2023

---



The ten-apartment building on Breitestrasse in Wallisellen is painted in a subtle sage green. The replacement building is a pure timber construction with four floors, including a wooden staircase.

## The project

The replacement building on Breitestrasse in Wallisellen is a four-story apartment building with ten units, constructed entirely from timber elements. The timber structure stands on a concrete foundation with an underground car park. The rear-ventilated facade made of glazed fir wood combines vertical and horizontal battens and integrates a horizontal fire barrier. The stairwell is designed as an economical timber structure with encapsulated frame elements and stairs and platforms made of precast concrete.

## The construction method

The supporting structure is based on prefabricated wooden elements, which enabled precise and short construction times. The staircase was designed as a wooden structure with encapsulated frame elements and supplemented with precast concrete parts. Wood construction, fire protection, and building physics were integrally coordinated and incorporated into the planning at an early stage. Timbatec was responsible for wood construction, fire protection, and building physics from a single source.



#### **Construction costs**

- Total cost of timber construction CHF 990.000.00
- Total amount CHF 3.485 million
- Amounts exclude VAT

#### **Services of Timbatec**

- SIA Phase 31 Preliminary design
- SIA Phase 32 Construction project
- SIA Phase 51 Implementation project
- SIA Phase 52 Execution
- Specialist planning for building physics
- Specialist planning for fire protection

#### **Client**

Schaerholzbau AG  
6147 Altbüron

#### **Timber construction engineer**

Timbatec Holzbauingenieure (Schweiz) AG Zürich  
8005 Zürich

#### **Timber construction**

Schaerholzbau AG  
6147 Altbüron

#### **Photography**

Studio Gataric  
8048 Zürich