

Toblerstrasse housing estate, Zürich-Fluntern

2017



The settlement on the Zürichberg impresses with its unusual architecture: 13 compact solitary buildings with a triangular ground plan, which create cabinet-like outdoor spaces through their twisted and staggered arrangement.

The project

The Allgemeine Baugenossenschaft, Zurich (ABZ) is realizing 169 affordable modern apartments with its newly built development and at the same time rejuvenating the villa district. This is still characterized by detached houses with spacious gardens. Despite the significantly higher building density, the 13 new buildings fit in well with the existing neighborhood. The 2- to 6-1/2-room apartments offer space for families, couples, singles as well as the 55+ household community. The development meets the sustainability goals of the 2000-watt society. Timbatec Holzbauingenieure was responsible for the facade construction. The curtain wall elements made of wood are attached to the slab facades.

The construction

The supporting structure is designed as a conventional solid building in cast-in-place concrete and bricks with a few facade columns and supporting walls. These were either masonry or concrete, depending on the static loads and building physics requirements. During construction, attention was paid to extensive system separation so that components can be easily replaced according to their service life.

The challenge

Particular attention was paid to the cantilevered balconies. In some cases, they protruded up to around four meters from the facade.



Exterior view 2nd stage



Road side 1st and 2nd stage



Exterior view 1st stage



Bauphase

Construction Data

- Sleeper timbers 60*200mm 5'639 m²
- Basic elements 4'982 m²
- Elements between ceiling slabs 780 m²
- Parapet elements 4'290 m²
- Roof edge elements 1'100 m²
- Window enclosing plates 2708 m²
- Window sills 5'079 m²
- Roof edge sheets 1'155 m²

Services of Timbatec

- SIA Phase 31 Preliminary design
- SIA Phase 32 Construction project
- SIA Phase 41 Tender and comparison of offers
- SIA Phase 51 Implementation project
- SIA Phase 52 Execution
- Timbatec was responsible for the entire facade construction.

General contracting

Priora AG
8302 Kloten

Client

Allgemeine Baugenossenschaft, Zurich (ABZ)
8003 Zurich

Architecture

BS+Emi Architektenpartner AG
8004 Zurich

Landscape architects

Lorenz Eugster Landschaftsarchitektur und Städtebau GmbH
8004 Zurich

Photography

Roland Bernath
8048 Zurich