

Saumacker, Zürich

2015



Not far from Zurich Altstetten train station, the PWG Foundation had an apartment building modernized and extended. Timbatec was allowed to accompany the construction project as timber engineer and fire protection planner.

The project

The PWG Foundation has a portfolio of over 150 properties in the Zurich area with an asset value of around 700 million Swiss francs. Ensuring affordable rents is the primary goal of the foundation. One of the residential properties with affordable housing is located on the quiet Saumackerstrasse. In 2015, the foundation added a floor to the property, which was built in 1948, and created six additional apartments. The extension was planned and executed according to the Minergie Eco standard. At the same time, the building owner replaced the existing balconies with a larger solid wood construction.

The construction

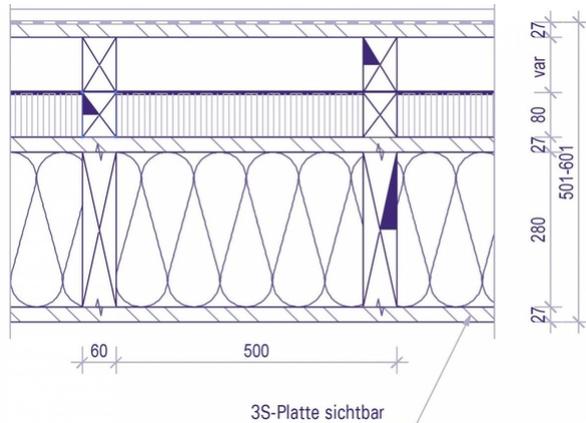
The balconies For the balconies, the focus was on the use of hardwood. The existing concrete balconies were cut back so that thermal insulation could be applied to the facade. The shell construction of the five balconies over three floors took only one week. The fan construction of pressure-impregnated beech gives the building a modern facade appearance. The addition Due to the low load-bearing capacity of the existing screed floor, the addition to the 60-meter-long building was placed only on the exterior walls. The construction was erected with the finished, visible soffit in element construction.



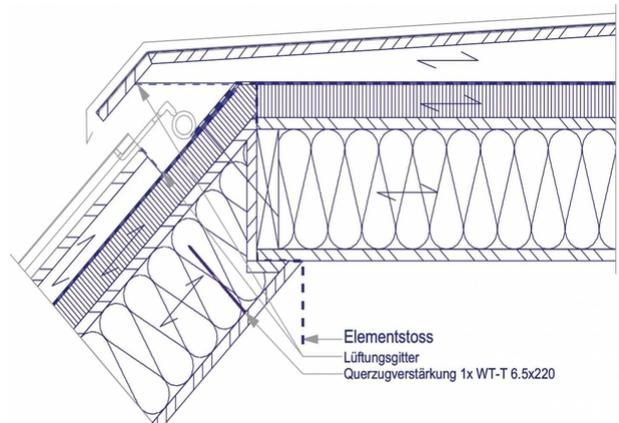
View from balcony with interior atrium



Successful combination of materials in the kitchen (Photos © kämpfen für architektur ag, Zurich)



Detail ceiling structure



Detail wall ceiling joint

Construction Data

- Extension Minergie Eco Standard three-layer panels for prefabricated roof elements 1'700 m²
- Timber for roof extension 82 m³
- Constructed beech wood for balconies 35 m³

Services of Timbatec

- SIA Phase 31 Preliminary design
- SIA Phase 32 Construction project
- SIA Phase 51 Implementation project
- Fire protection planning
- Statics and construction
- Site management and site inspections

Photography

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Timber constructor

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Client

Foundation PWG Zurich