

# Addition Greulich, Zurich

2019

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In the middle of the city of Zurich, two apartment buildings were raised. The additional floor provides space for 8 smaller apartments.

## The project

On Stauffacherstrasse and Herman-Greulich-Strasse, two residential buildings were raised. These had to be converted in the inhabited building. The new penthouses have atriums that can be used as quiet outdoor spaces. In addition, the atria serve as access to the roof terraces and bring a lot of daylight into the interior of the apartments.

## The construction

The extension was built as a timber frame construction. The existing beam floor was retained and reinforced with horizontal glulam beams in the spaces between the beams. This kept the ceiling structure slim, which resulted in more room height in the new attic apartments.

## The challenge

The additions did not present any major challenges. However, the rafters had to be retained due to building regulations. These were doubled as reinforcement.



Inner courtyard



Corridor



View from kitchen to courtyard



Roof terrace (Photos: Roger Frei Zurich)

### **Construction Data**

- Gross floor area: 729 m<sup>2</sup>
- Roof elements: 700 m<sup>2</sup>
- Glulam reinforcements: 108 m<sup>3</sup>

### **Services of Timbatec**

- SIA Phase 11 Condition analysis
- SIA Phase 21 Structural analysis
- SIA Phase 31 Preliminary project
- SIA Phase 51 Implementation project
- SIA Phase 52 Execution
- Statics and construction

### **Architect**

Peter Moor GmbH Architect ETH/SIA 8006 Zurich

### **Timber construction engineer**

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### **Timber construction**

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### **Civil engineer**

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### **Building physics**

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