

# Addition of storey Dohlenweg 28+30, Zurich

2021

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Centrally located in Zurich Oerlikon, the building offers modern and appealing rental apartments after total renovation and addition of new floors.

## The project

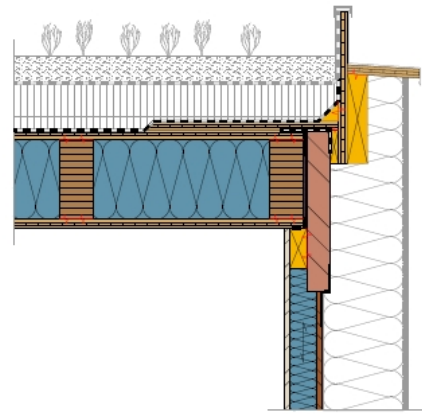
The existing building was completely renovated and at the same time one floor was added. While the existing building is made of reinforced concrete, the extension was realized in a lightweight timber construction.

## The construction

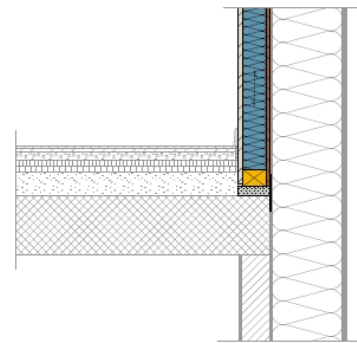
In the case of the addition in wood, the exterior walls are made of a stud wall. On the outside, the stud wall is provided with external thermal insulation and finished with an abrasion. The roof is formed by hollow box elements that support the flat roof structure.

## The challenge

The exterior walls should be as slender as possible. The load transfer points are very punctual over the whole extension, due to the existing building.



Roof edge closure



Connection of exterior wall to existing building

### Construction Data

- Three-layer glulam 36 m<sup>3</sup>
- Glued laminated timber 44 m<sup>3</sup>
- gypsum fiberboards 28 m<sup>3</sup>
- Frame construction scantlings 33 m<sup>3</sup>
- OSB 3 m<sup>3</sup>

### Services of Timbatec

- SIA Phase 31 Preliminary design
- SIA Phase 32 Construction project
- SIA Phase 41 Tendering and comparison of offers
- SIA Phase 51 Implementation project
- SIA Phase 52 Execution
- Statics and construction

### Owner

Zurich Investment Foundation  
8045 Zurich

### Client

CORTI Total Services AG  
8406 Winterthur

### Architect

Dachtler Partner AG  
8036 Zurich

### Timber construction engineer

Timbatec Holzbauingenieure (Schweiz) AG Zurich  
8005 Zurich

### Civil Engineer

Basler & Hofmann AG  
8032 Zurich

### GU/TU, construction management, photography

CORTI Total Services AG  
8406 Winterthur

### Building physics

Wichser Akustik & Bauphysik AG  
8052 Zurich