

# Addition of storey Gartenstrasse, Zürich

2019

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Thanks to a new facade and an extension, the office building of Lienhardt & Partner Privatbank in Zurich appears in new splendor. Timbatec was responsible for the timber engineering services.

## The project

The office building of Lienhardt & Partner Privatbank in Zürich AG at Gartenstrasse 14 in Zürich was getting on in years. Thanks to a new facade, the perimeter block building from the early 1920s once again meets the latest energy and aesthetic requirements. Floor-to-ceiling mullion and transom glazing made of wood/metal was installed on the first floor. On the floors above, Kohler + Ilario Architects planned large-format fixed glazing with side opening sashes made of wood and metal. In the course of the facade renovation, the building was raised by one floor. The addition of four apartments on the attic floor further enhances the property.

## The construction

The facade construction is made of wood and metal elements. The extension on top of the existing solid building is made of solid wood elements. Beams made of beech veneer were used where necessary.

## The challenge

The construction work was carried out while the office building was in operation. This required meticulous planning and consistent prefabrication of the construction elements. An additional complication was that the details of the geometry of the existing building were inaccurate in some cases. This requires flexible connection details. Another challenge is the cantilevered connecting structures. They were necessary because the facade supports are arranged outside the concrete slab of the solid building.



Addition under the emergency roof



Beams made of beech wood



#### Construction Data

- Number of floors: 7 (incl. attic)
- Gross floor area 510 m<sup>2</sup>
- Glulam 80 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
- Statics and construction
- Cost estimation
- Site supervision and site inspections

#### Architect

Kohler Ilario Architekten GmbH 8047 Zurich

#### Client

Lienhardt & Partner Privatbank Zürich AG 8027 Zurich

#### Timber construction engineer

Timbatec Holzbauingenieure Schweiz AG 3012 Bern

#### Timber construction

Strabag Holzbau 8315 Lindau

#### Civil Engineer

Schnetzer Puskas Ingenieure AG 8003 Zurich

#### Building physics

BWS Bauphysik AG 8404 Winterthur

#### Construction Management

Stettler Architektur & Baumanagement GmbH 8003 Zurich