

Roof with skylight, single-family home in Egg



The floor-to-ceiling windows lend character to this architecturally sophisticated building and flood the interior with light. The skylight brings natural light onto the spiral staircase, setting the scene.

The project

The interior and exterior spaces merge. The floor-to-ceiling glazing enhances this fusion with its delicate frames and brings natural light deep into the interior, aided by the skylight positioned centrally above the staircase.

The Construction Method

A sleek roof membrane, constructed using TS3-PTS elements and connected using TS3 technology.

The Challenges

A lightweight roof membrane and a circular skylight. The TS3-PTS elements were manufactured to precise dimensions according to the architectural plans and delivered just-in-time from the factory to the construction site.







Construction data

- Roof area: 213 m²
- TS3-PTS element - 240 mm
- Cross-laminated timber: 51 m³
- TS3 technology: 65 m¹

Architecture

Oberholzer & Brüscheweiler AG, Küssnacht

Timber engineer

Timbatec Timber Engineering Switzerland AG, Zurich

Timber construction

Kübler Timber Construction, Oetwil am See

CLT Manufacturer

Holzbauwerk Schwarzwald GmbH, Seewald