

## Ersatzneubau Tokeh



### SHORT DESCRIPTION

For the replacement TOKEH building, a new morphological building type was generated that combines the two row buildings (longitudinal and transverse to the slope) prevalent in the neighborhood into a cruciform floor plan.

### THE PROJECT

Two cross floor plans each grow together. The buildings are designed in timber construction on a solid base. The exterior walls and individual interior walls are planned as load-bearing timber stud walls. The ceilings are made of cross laminated timber.

### SERVICES IN DETAIL

- New construction of parking garage, double kindergarten, housing construction.
- Reinforced concrete, masonry, elements, sewerage with jacking, etc.

### CHALLENGES

- Complex formwork details in base floors and staircases.
- Staircase cores in type 2+.
- Challenging interplay between moving the precast concrete elements and timber construction assembly.
- Complex procedures for backfilling and external drainage work due to the slope.
- Constantly changing situations regarding work safety, due to slope and concrete/wood construction.
- Deadlines were met on time.

## FURTHER INFORMATION

### Key data

Use	Residential space, municipal double kindergarten
Project start	04 / 2022
Completion	01 / 2025
Construction sum	CHF 7.63 million
Formwork	26'000 m <sup>2</sup>
Reinforcement	695 t
Concrete	5'100 m <sup>3</sup>
masonry	250 m <sup>2</sup>
Round gravel	5'300 m <sup>3</sup>

Source aerial photos: Nelio Ronner

## FACTS

<b>Location</b>	Rötelstrasse 94, Zürich , Switzerland
<b>Status</b>	Under construction
<b>Construction volume (value of our services)</b>	7.63 M CHF
<b>Start of construction</b>	April 2022
<b>Completion</b>	January 2025
<b>Building owner</b>	Baugenossenschaft Vrenelisgärtli, 8057 Zürich
<b>Architect</b>	Baumann Roserens Architekten, 8005 Zürich
<b>Civil engineer</b>	dsp Bauingenieure, Uster

## SERVICES

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Master building work



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<https://implenia.com/en/references/detail/ref/ersatzneubau-tokeh/>

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