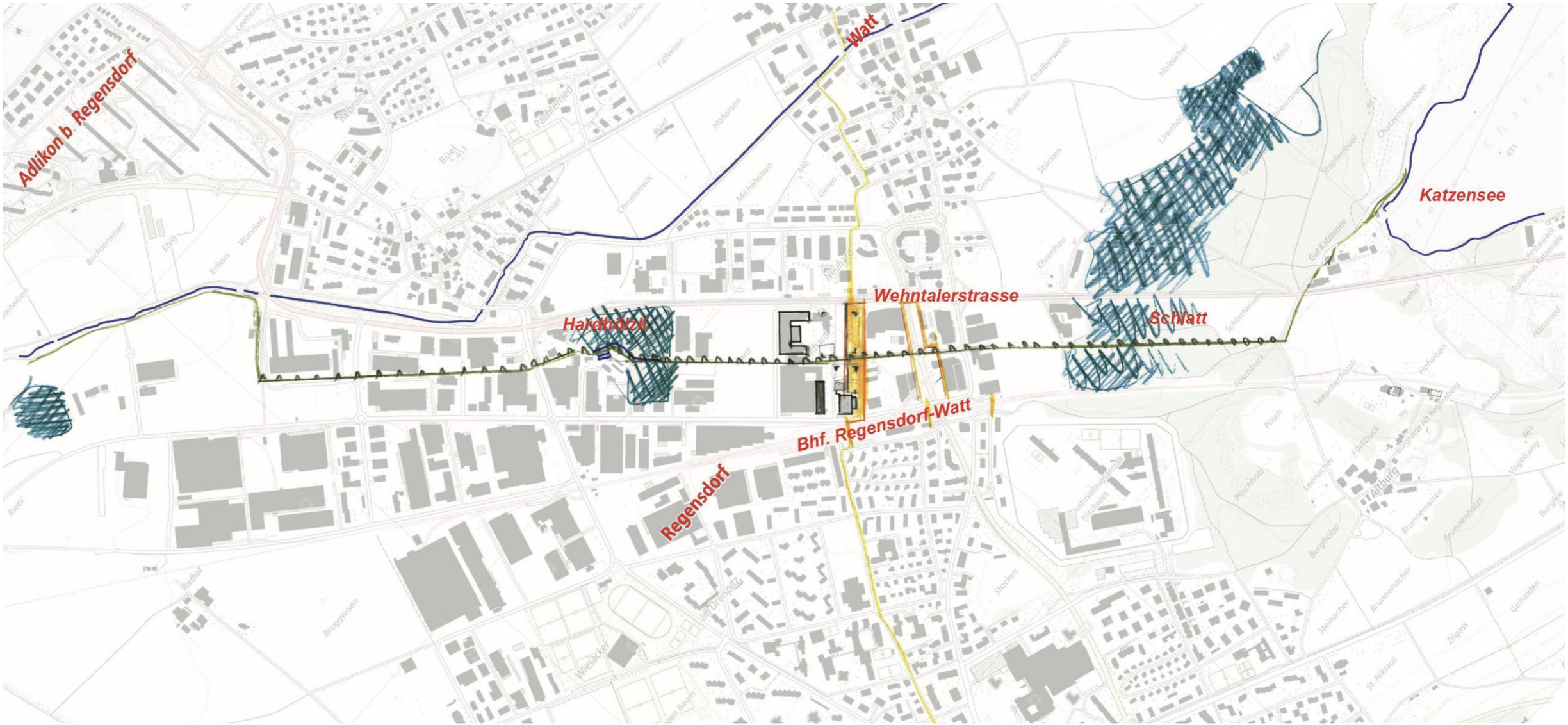
Boltshauser Architekten

Holzhochhaus H1
auf dem Zwhatt-Areal

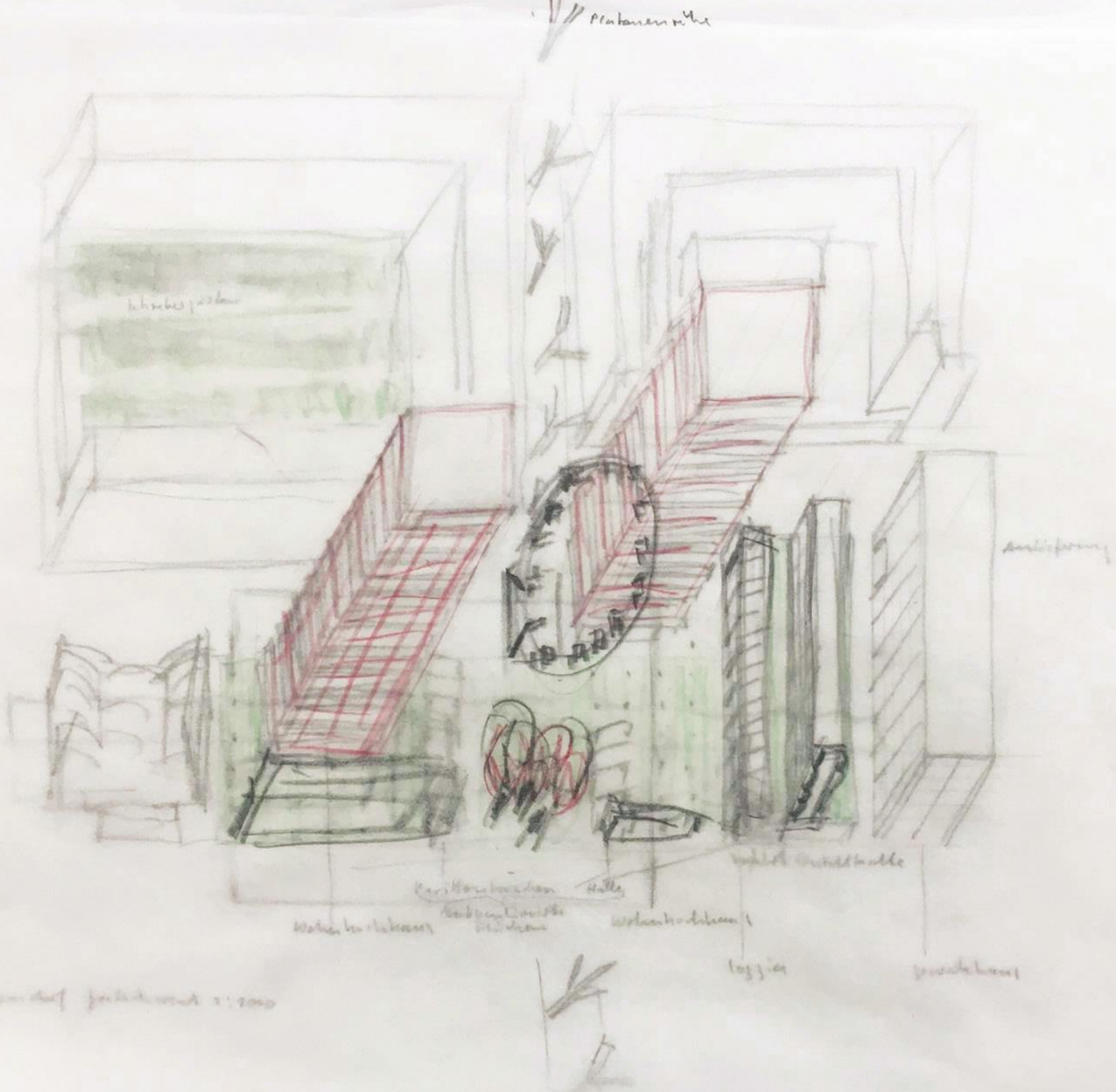
Hybridbauten – Materialien im Zusammenspiel

Swissbau 2026

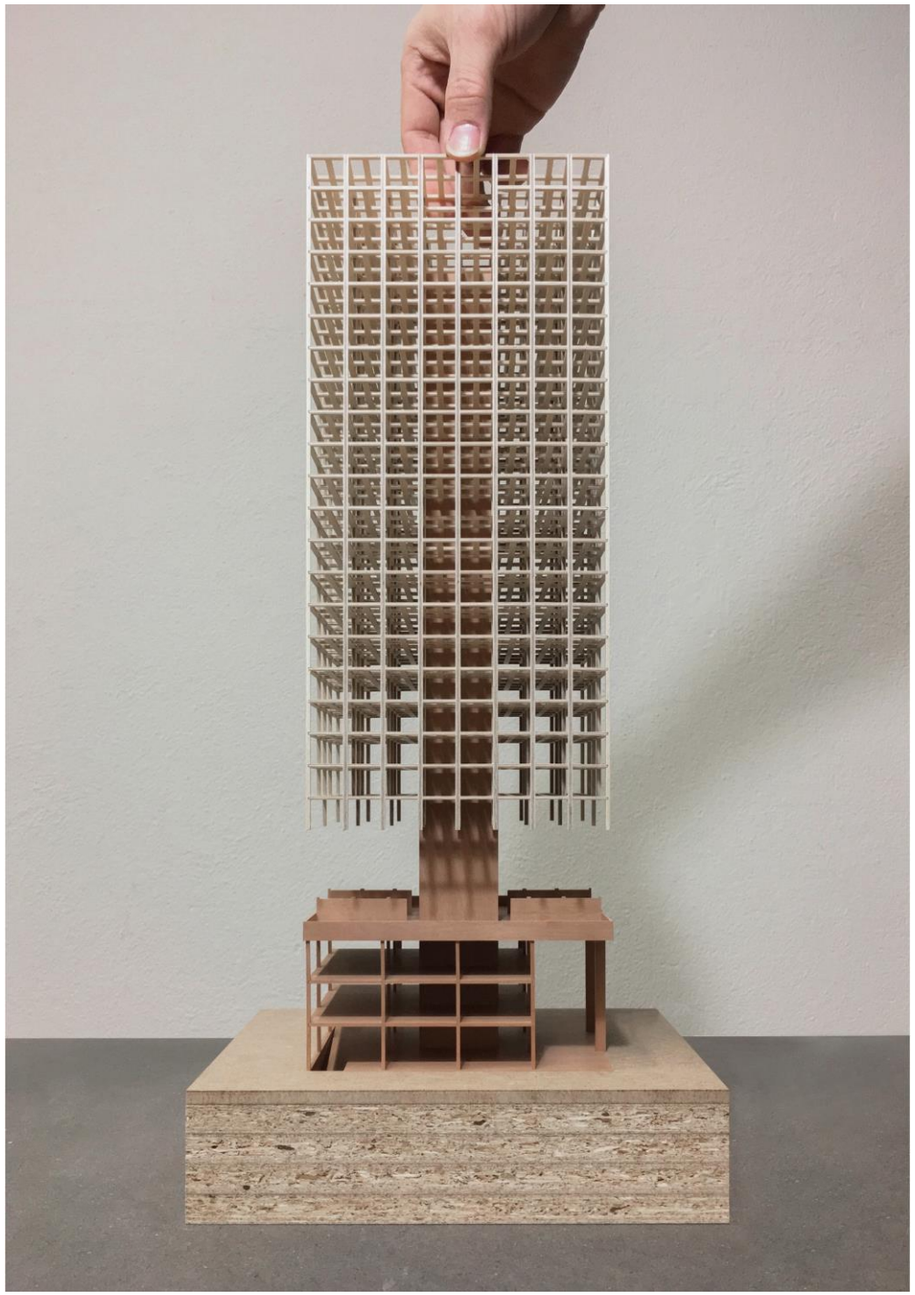
Mathias Stocker



Lageplan Zwhatt-Areal Regensdorf | Studio Märkli / Lorenz Eugster Landschaftsarchitekten

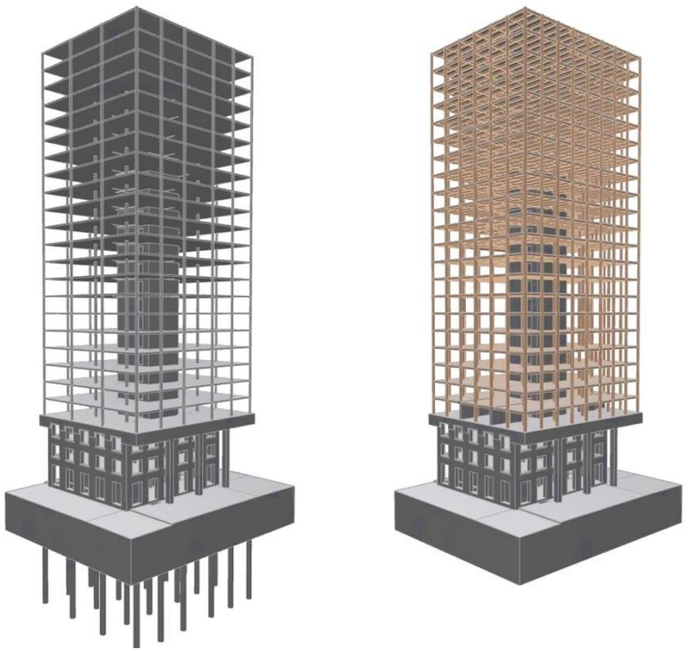

Platanenreihe
Halle
loggia

Hybride Strukturen



Varianten Tragstruktur

Visueller Vergleich von konventionellem und Holzbaukonzept

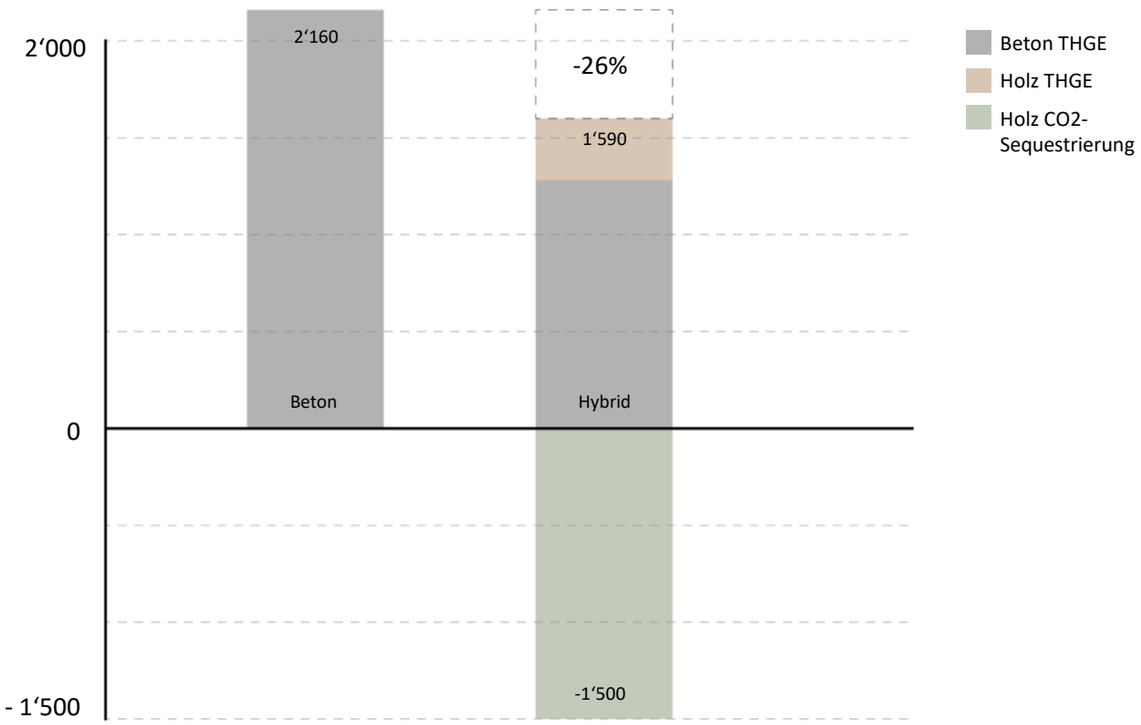


Tragwerksmodelle für die Beton- und Hybridvarianten von Zwhatt, Quelle: Schnetzer Puskas Ingenieure, Boltshauser Architekten

Strukturelle Emissionen

Treibhausgasemissionen über Lebenszyklus

Ab Sockel, in [t CO2-eq]



Emittierte und sequestrierte CO2-Äquivalentmasse für die Beton- und Hybridvariante Von Zwhatt, Quelle: Boltshauser Architekten

Foto: Sequenz aus Zwhatt-Film, Mattogrosso GmbH

Foto: Sandro Livio Staube

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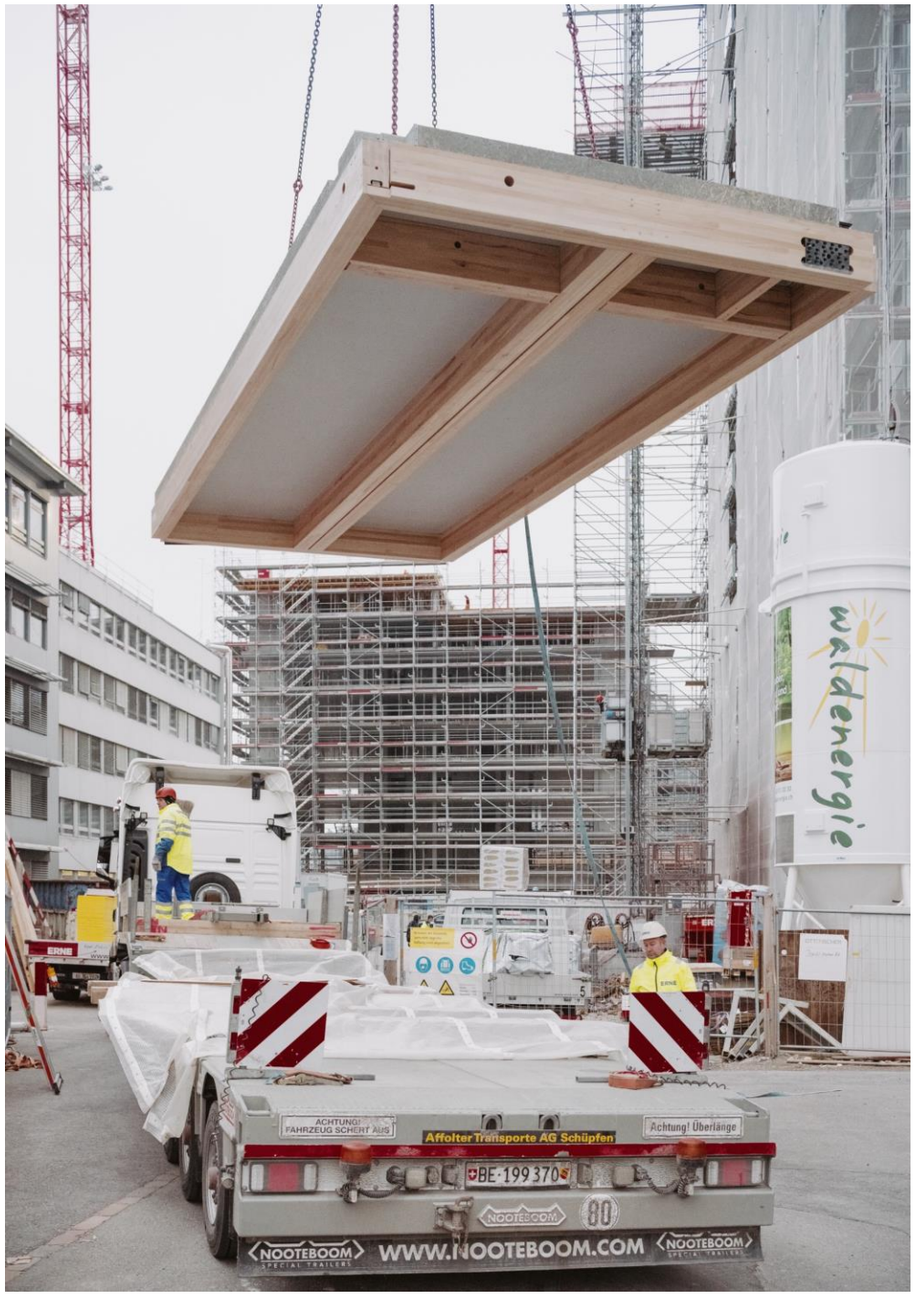

Foto: Sandro Livio Staube

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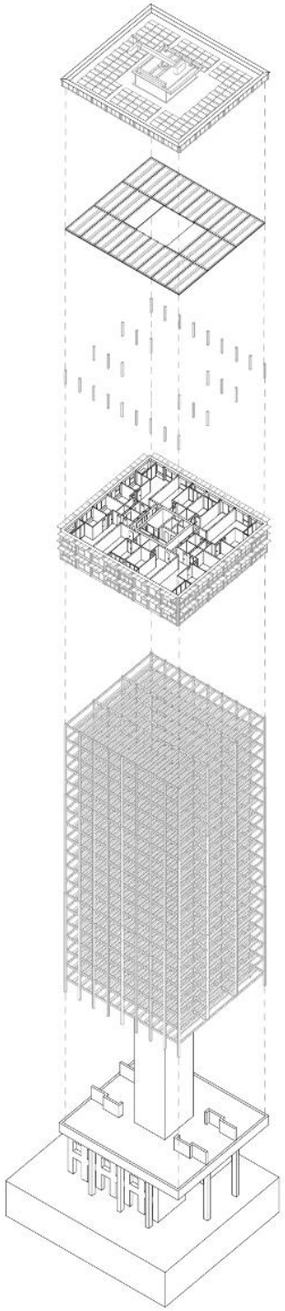
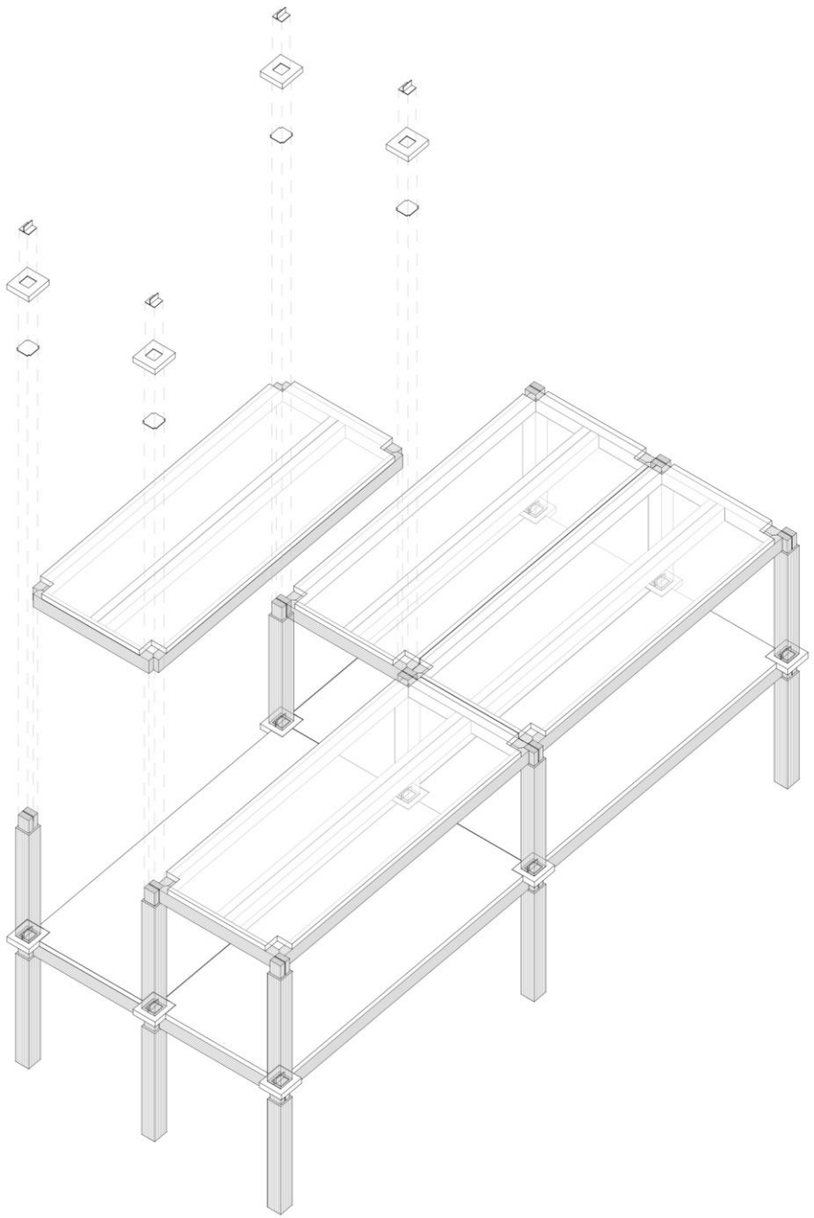
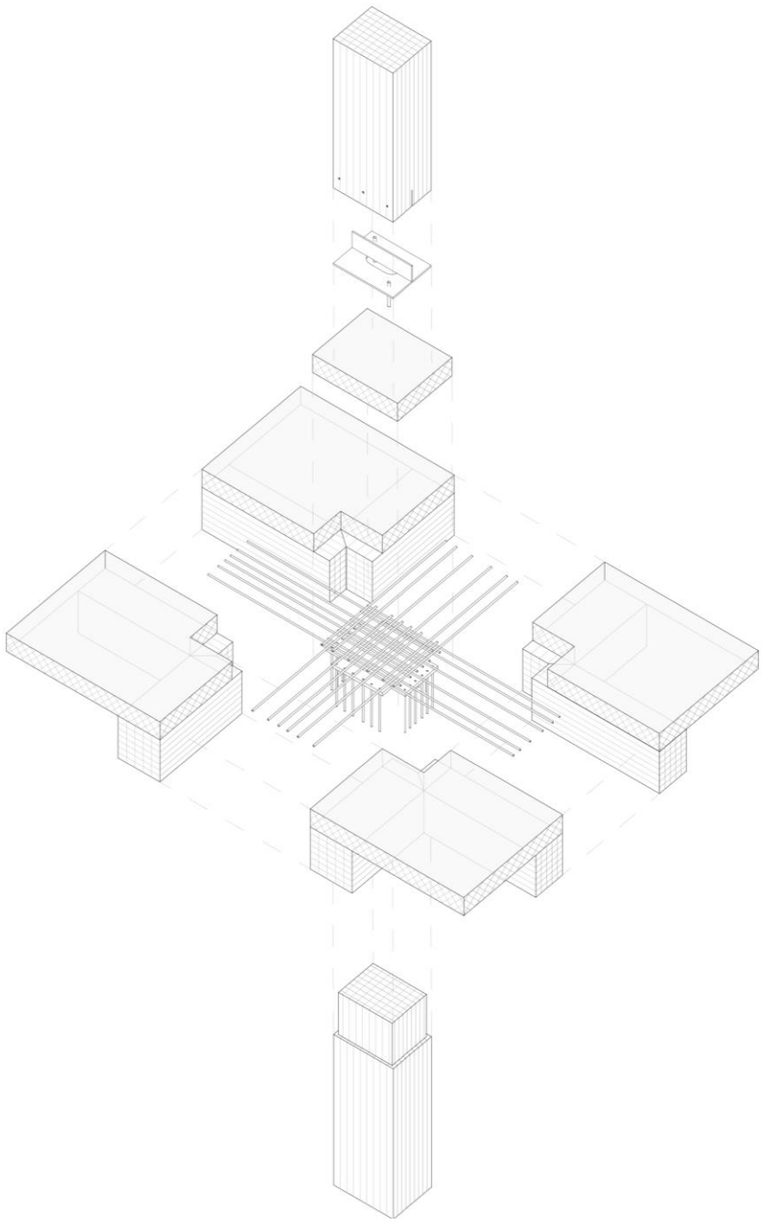






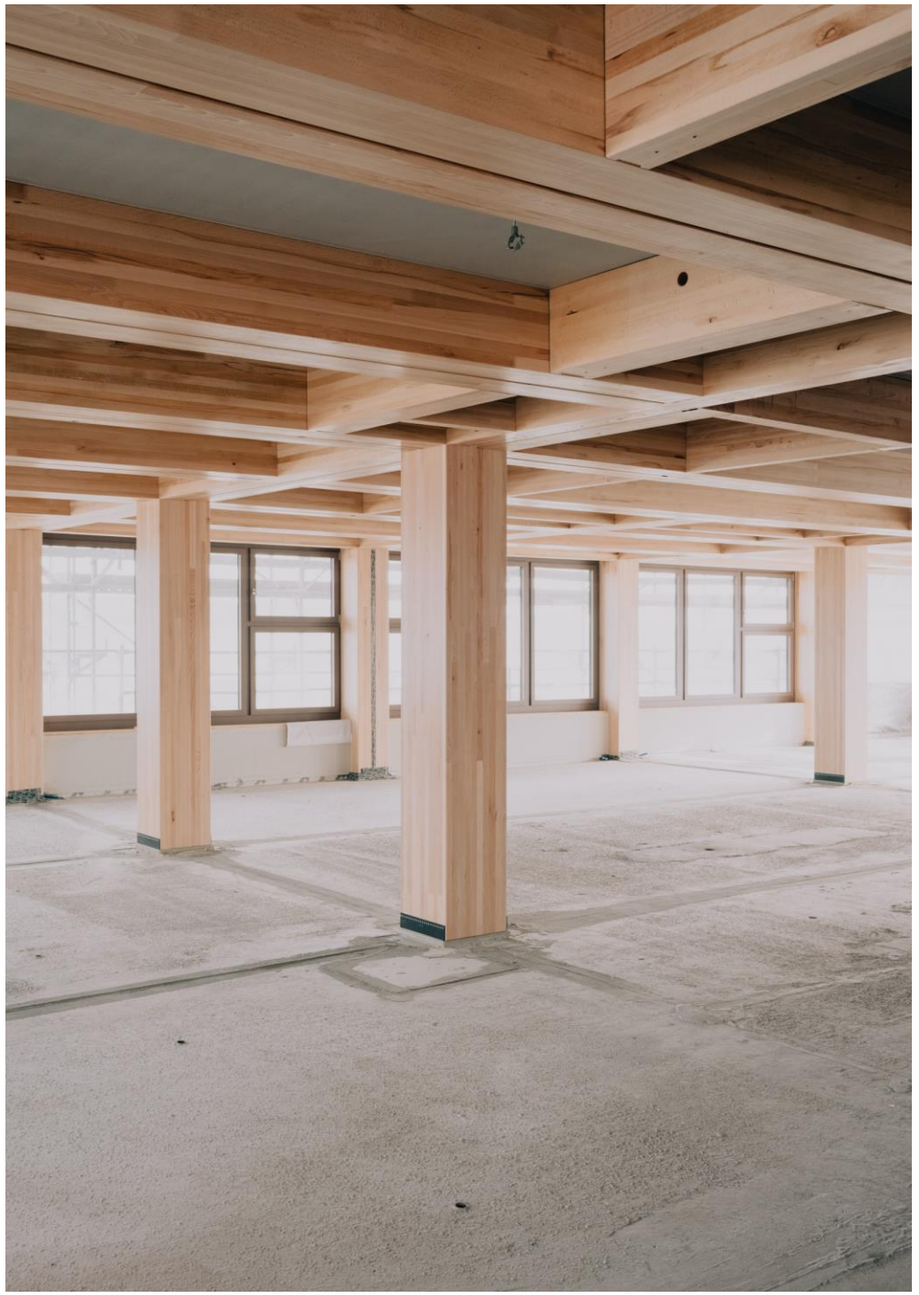
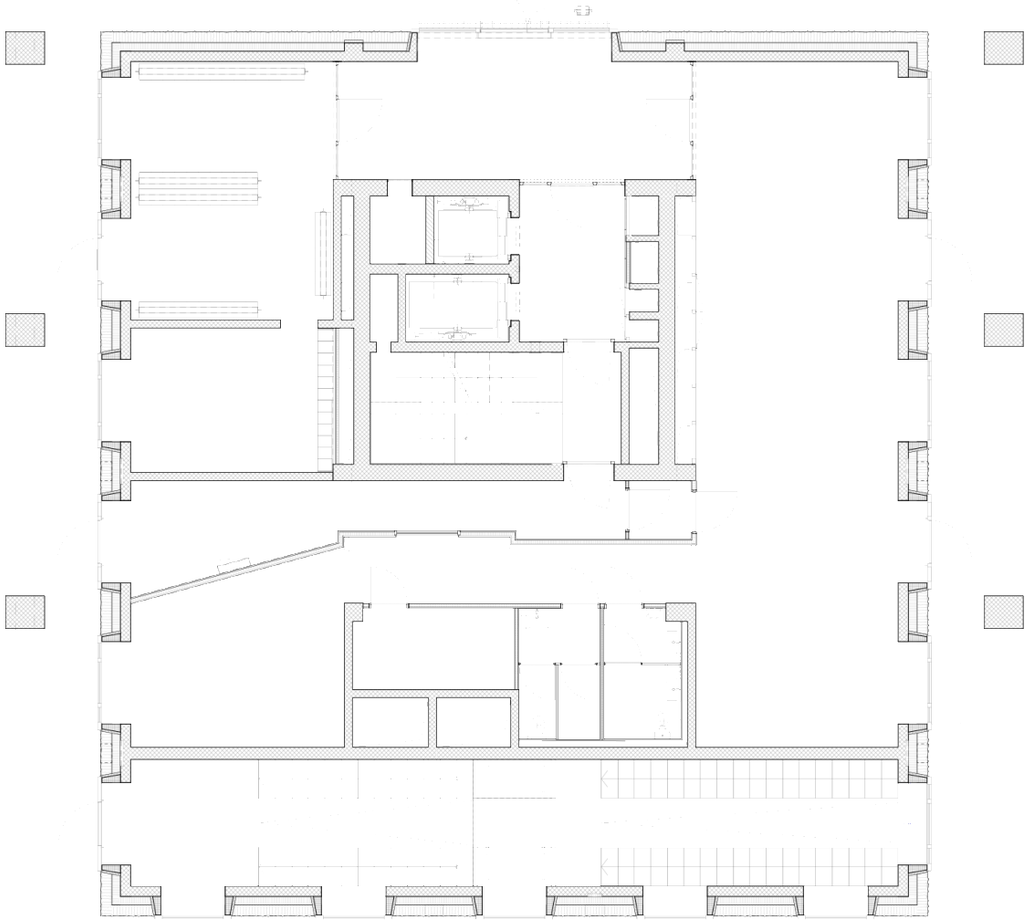


Foto: Sandro Livio Staube

Wandelbare Vielfalt



Eingang / Bistro
Erdgeschoss

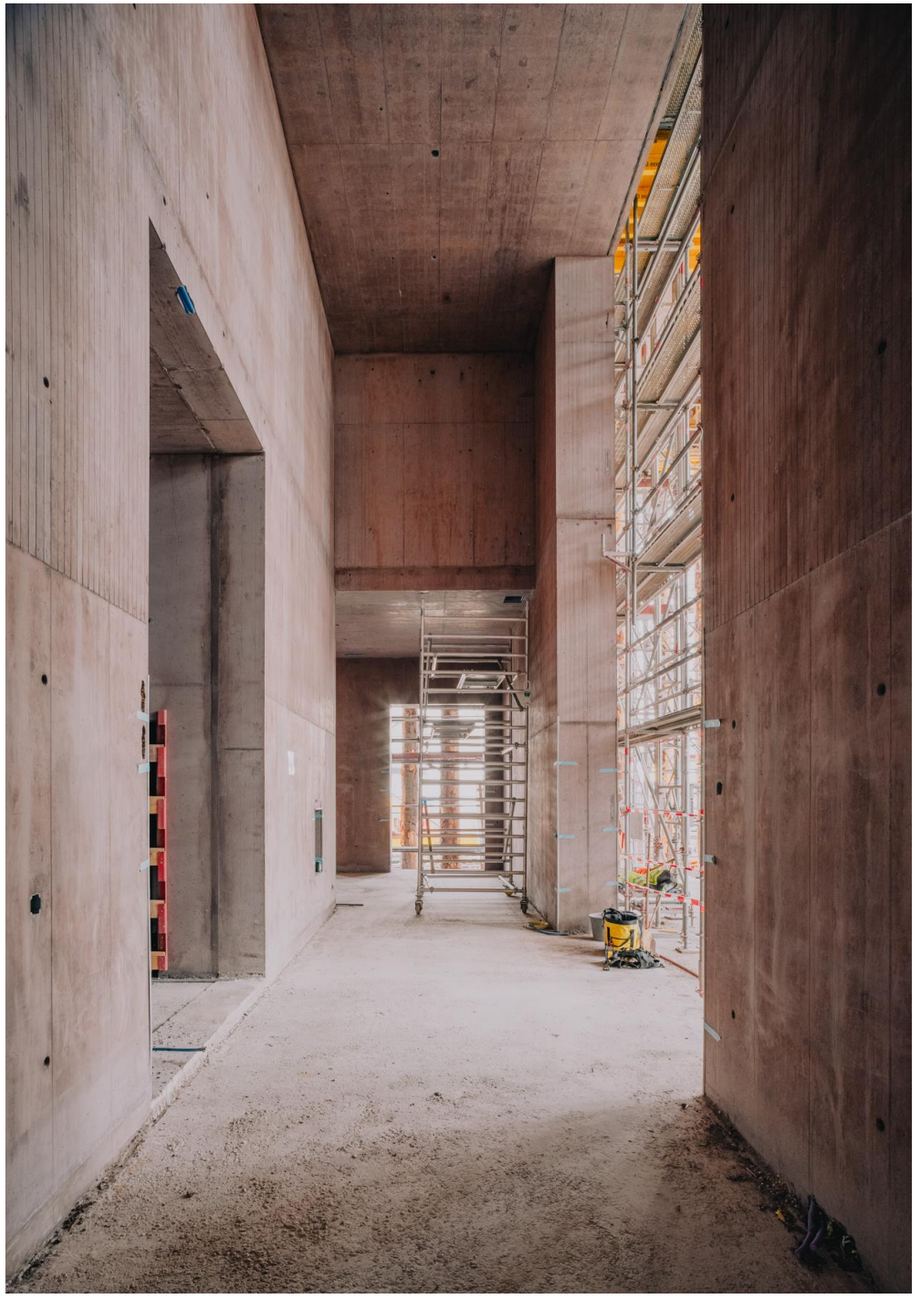
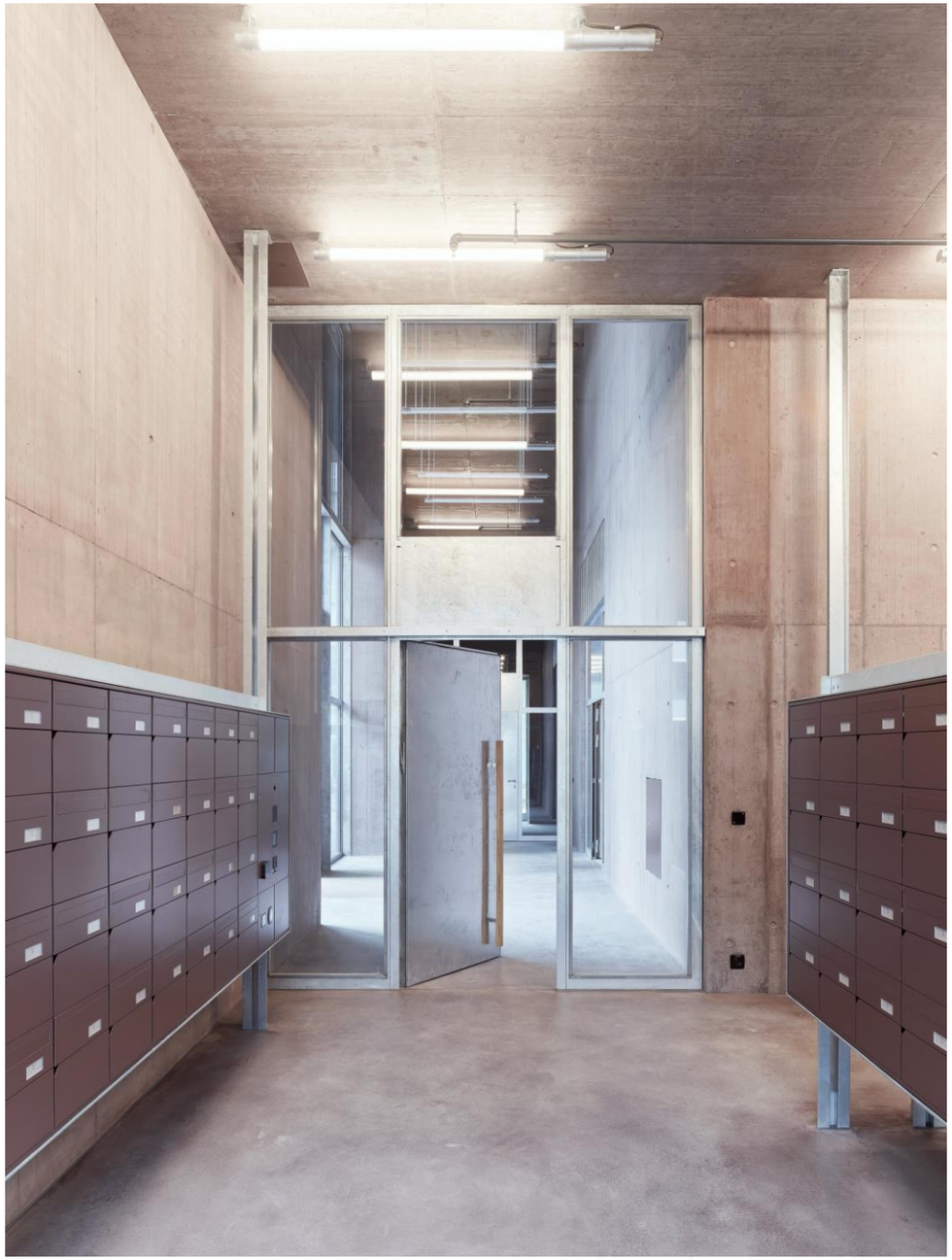
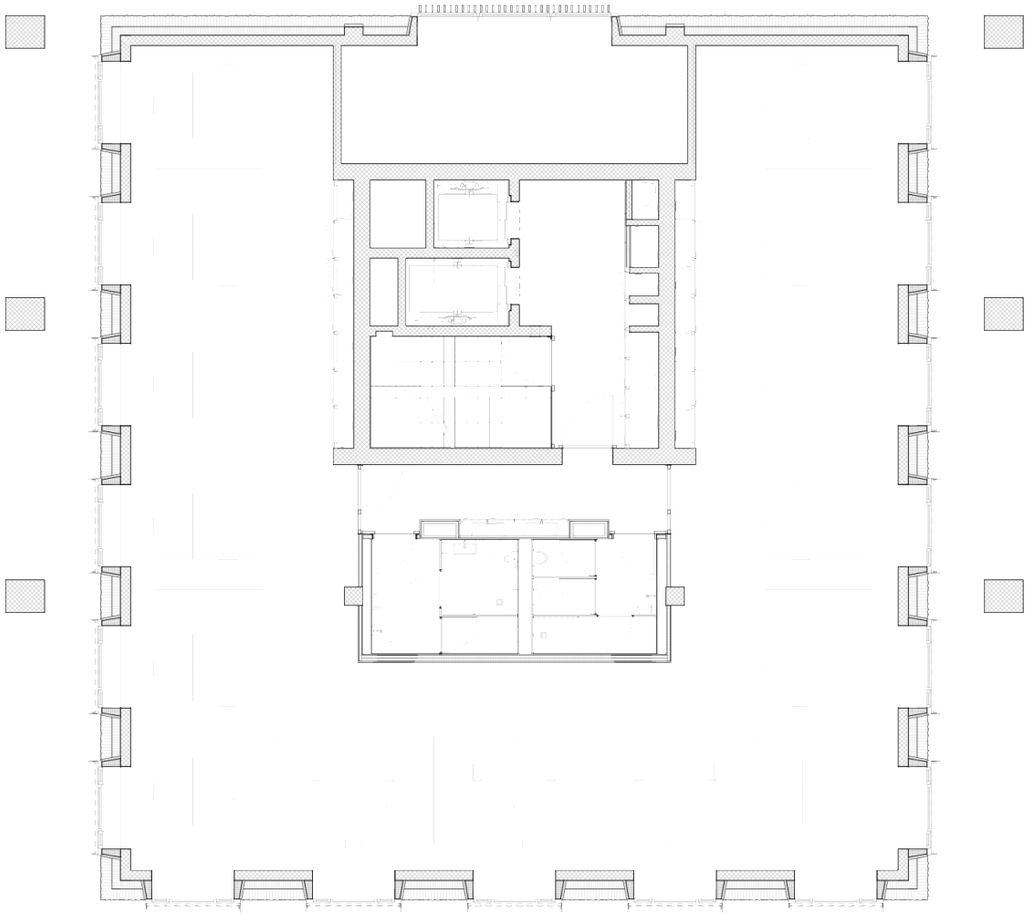


Foto: Sandro Livio Staube





Co-working
1. Obergeschoss

Foto: Sandro Livio Staube

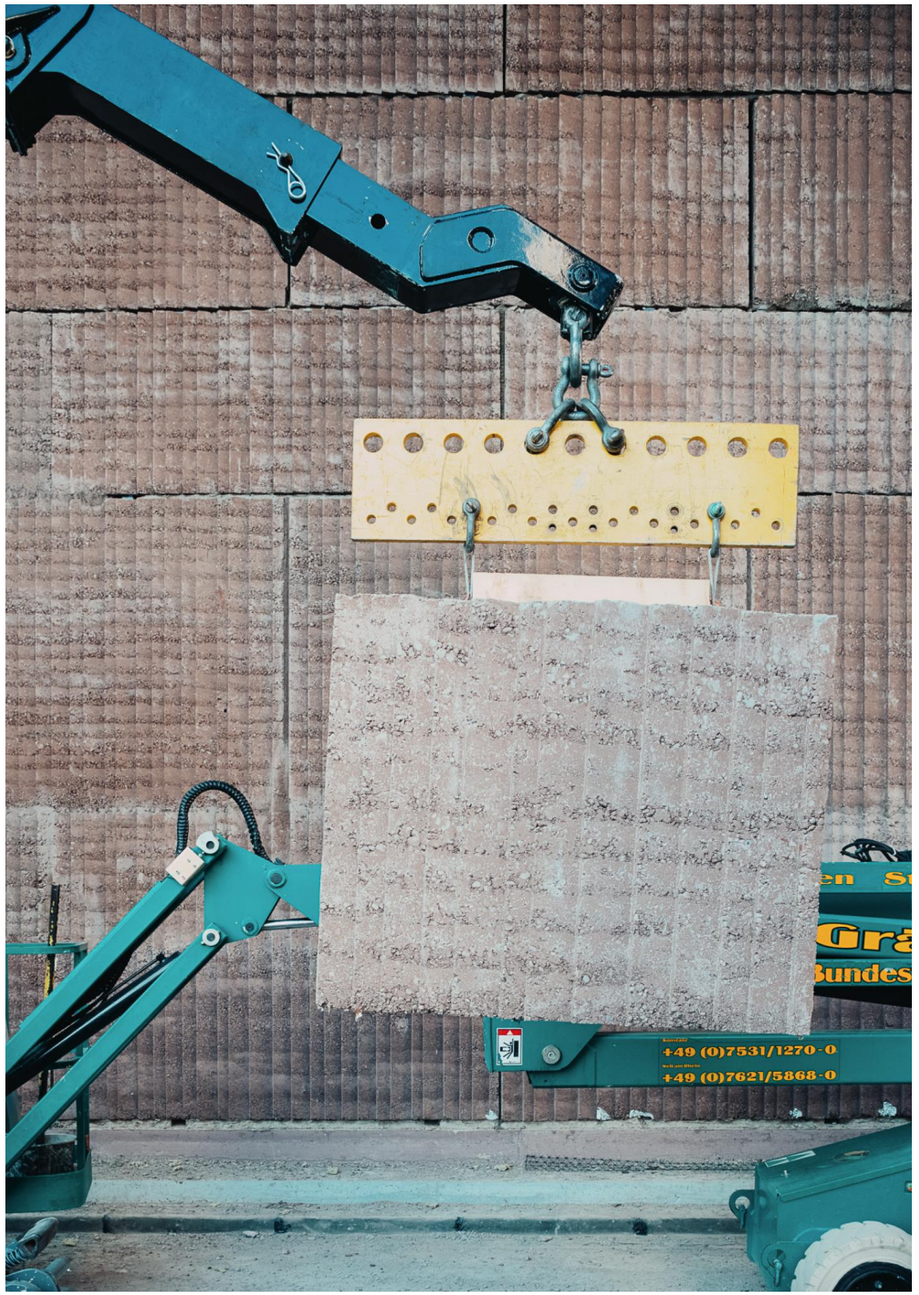
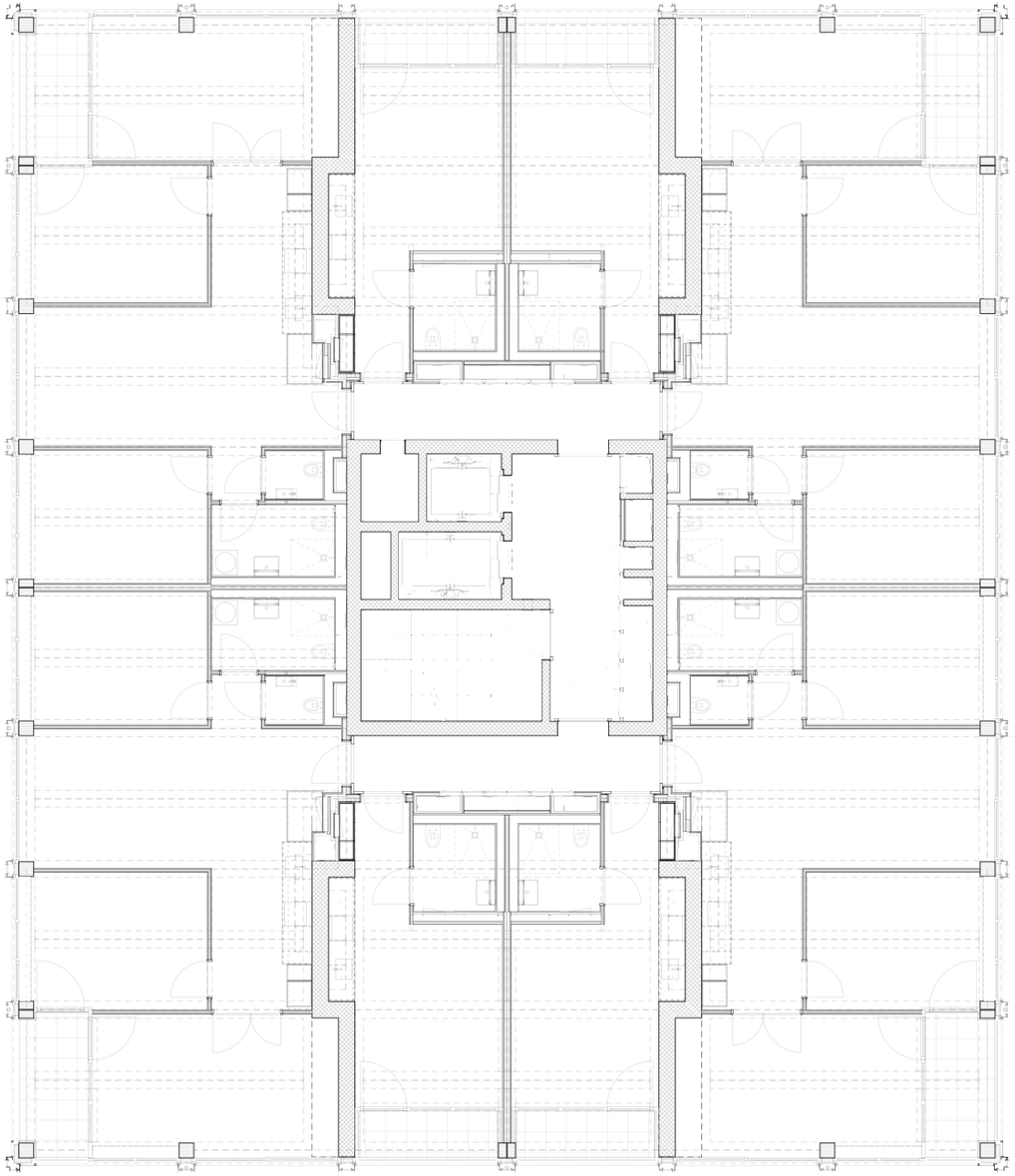
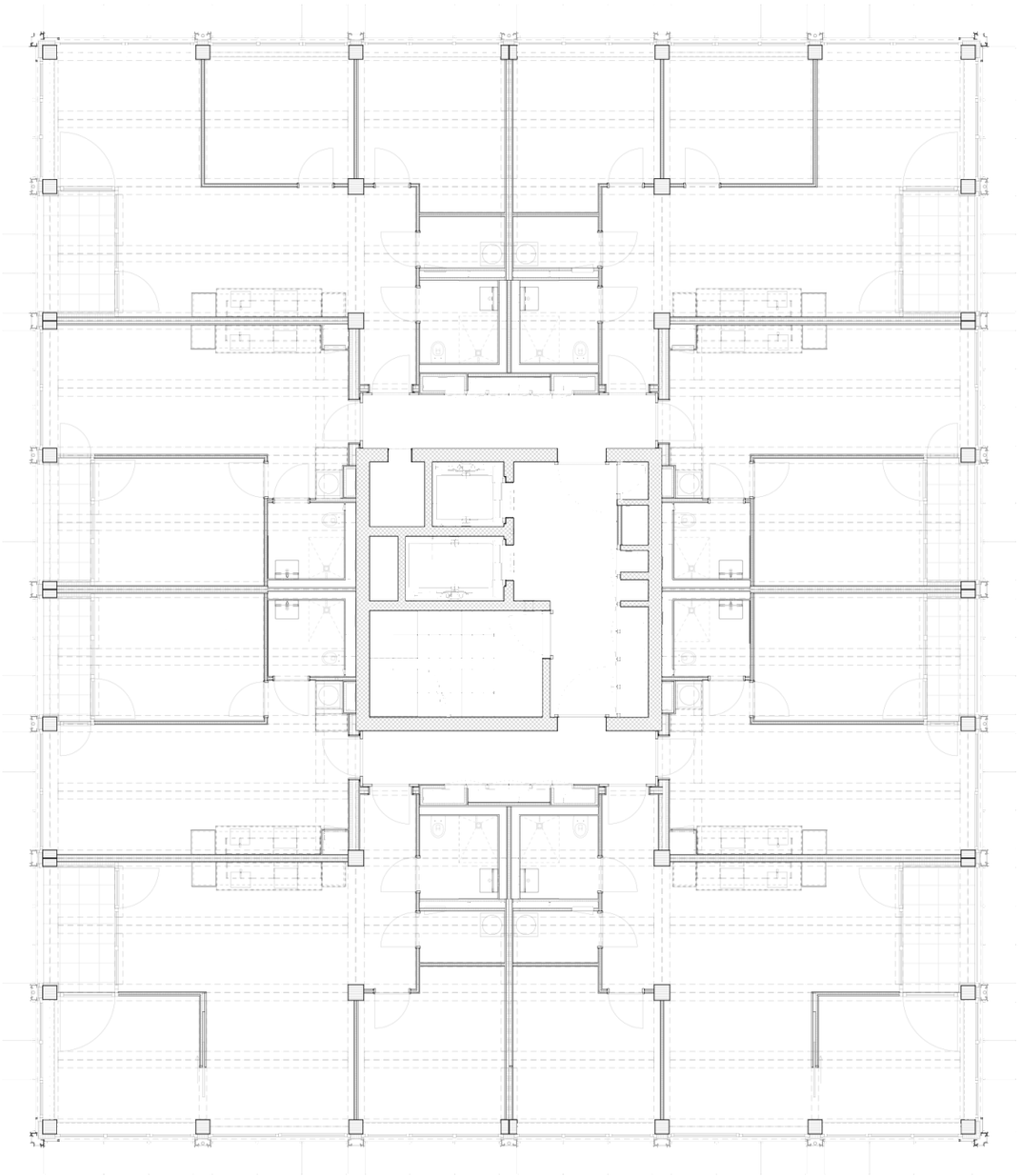


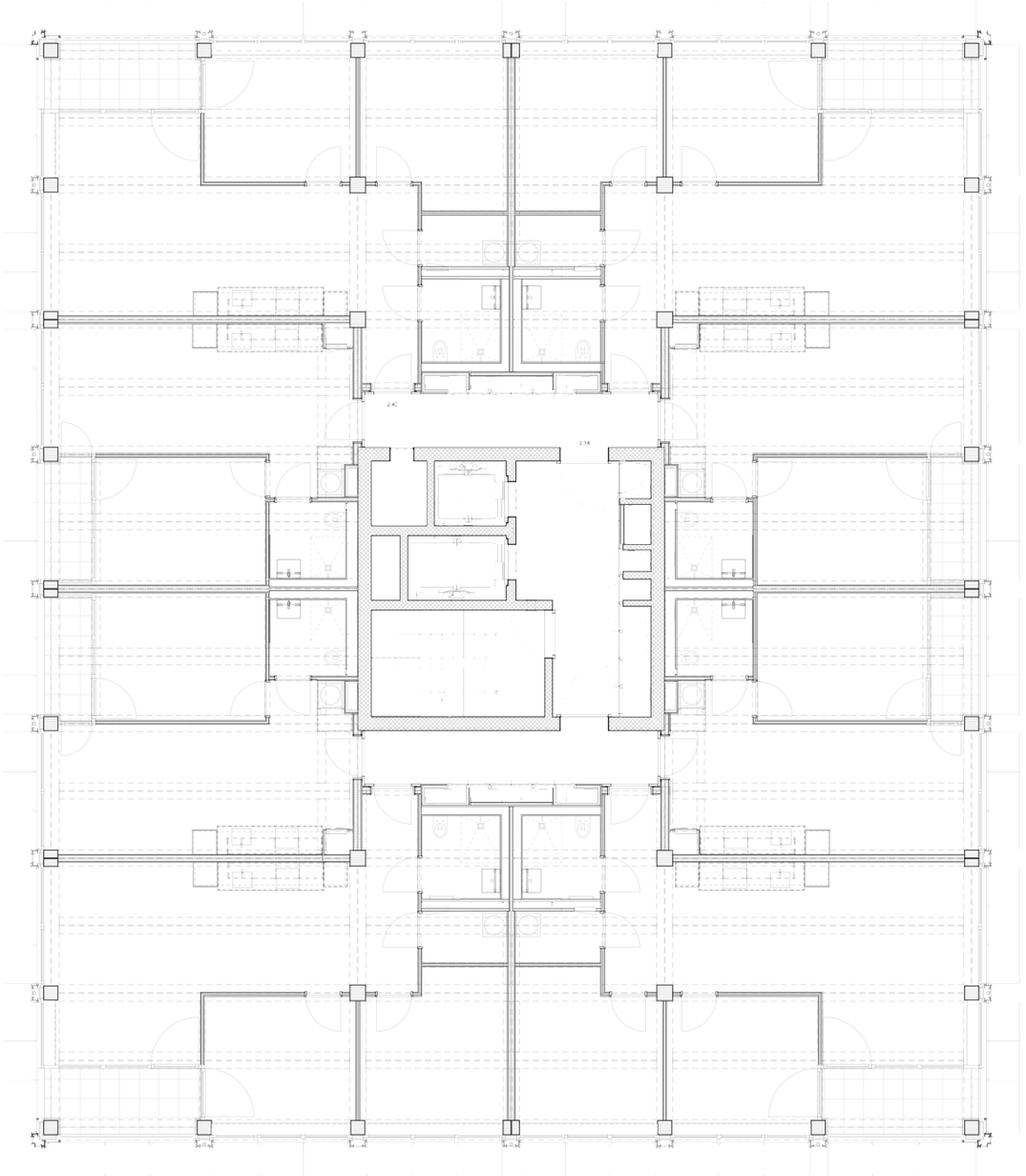
Foto: Sandro Livio Staube



Abfanggeschoss
3. Obergeschoss



Regelgeschoss 1



Regelgeschoss 2

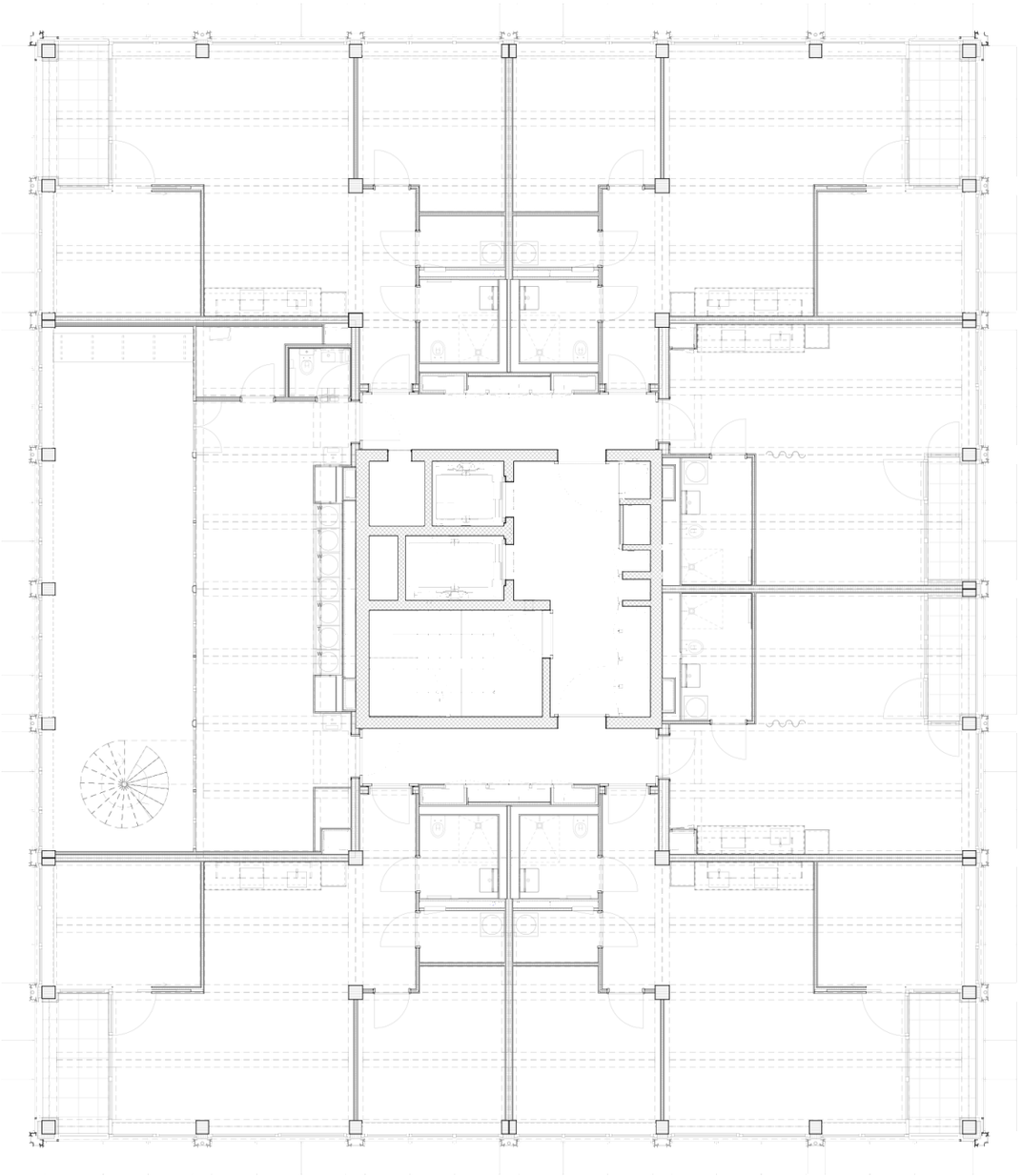
Foto: Kuster Frey

Foto: Kuster Frey

Foto: Kuster Frey

Foto: Kuster Frey

Foto: Kuster Frey



Gemeinschaftsgeschoss
12. Obergeschoss

Foto: Kuster Frey

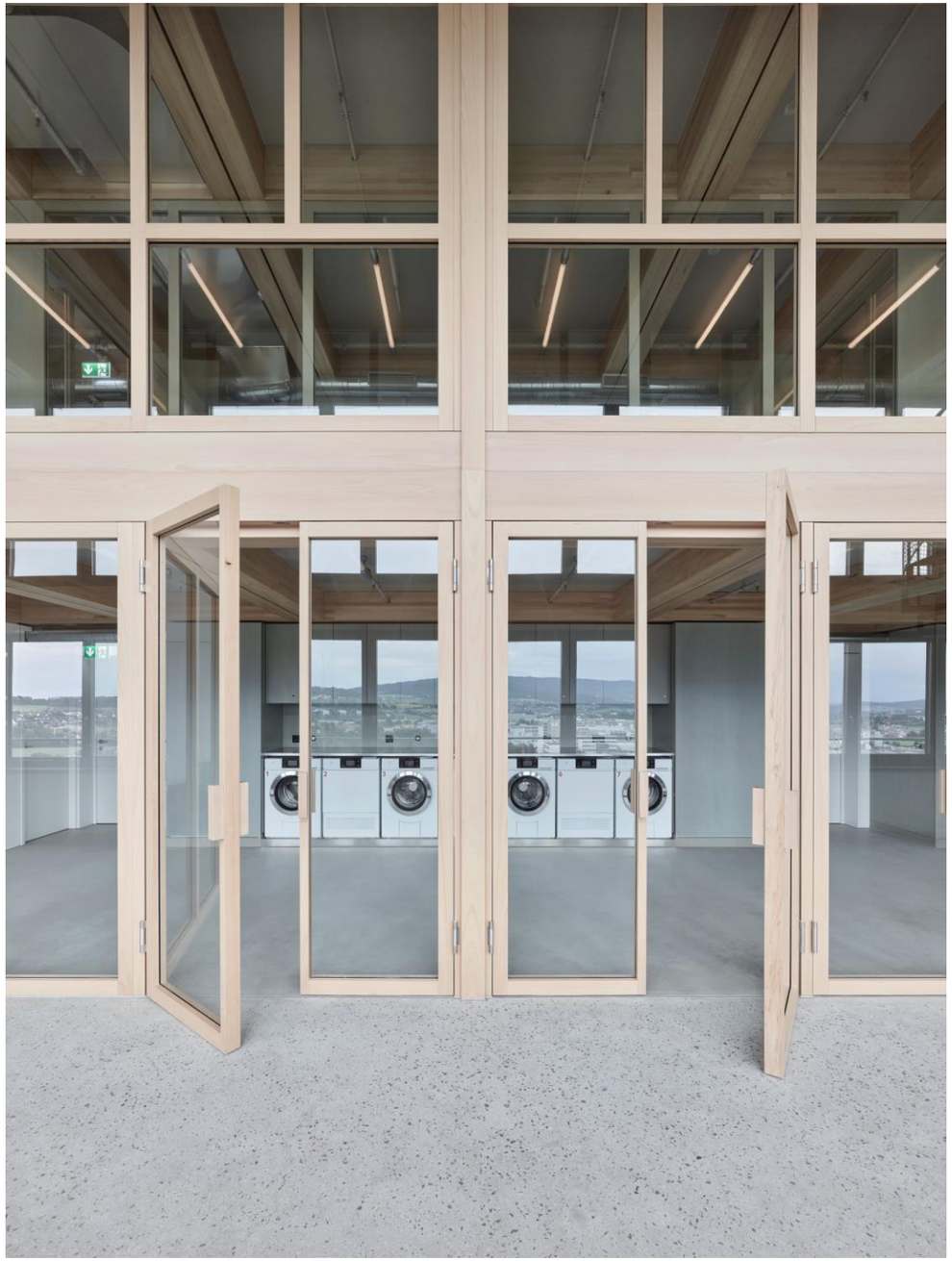


Foto: Kuster Frey

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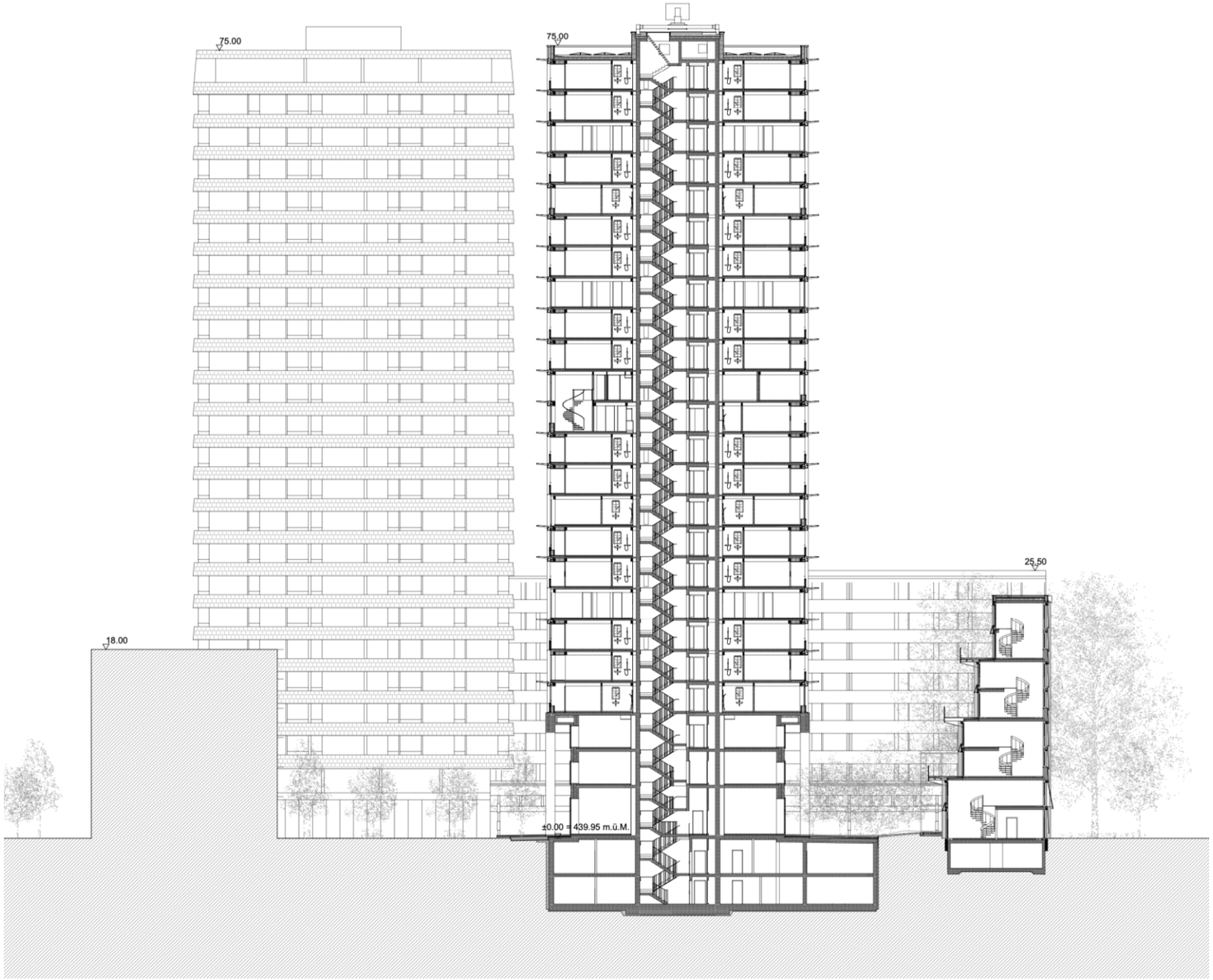

75.00
75.00
25.50
18.00
±0.00 = 439.95 m.ü.M.

Eine PV-Fassade zur Beschattung

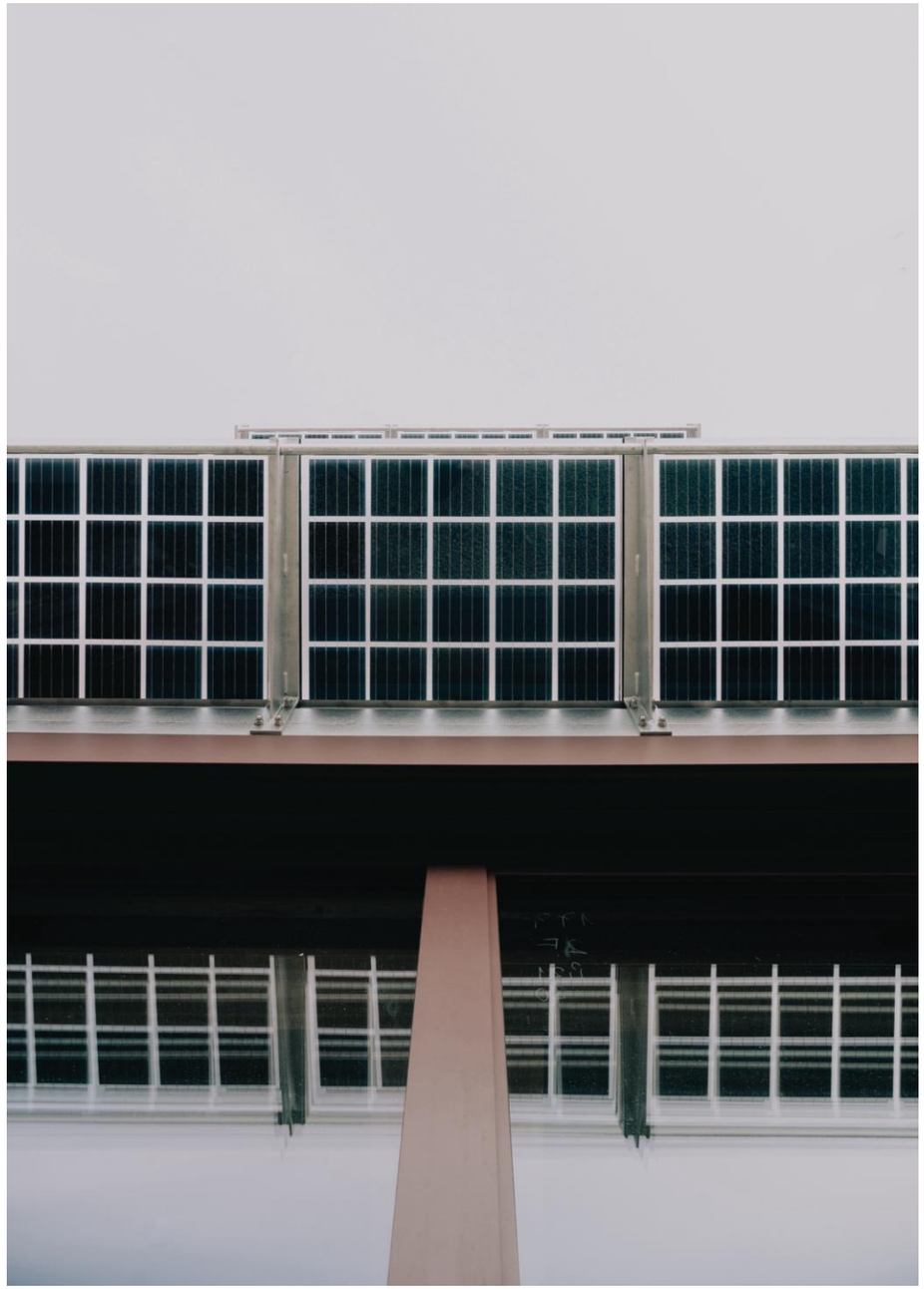


Foto: Sandro Livio Staube

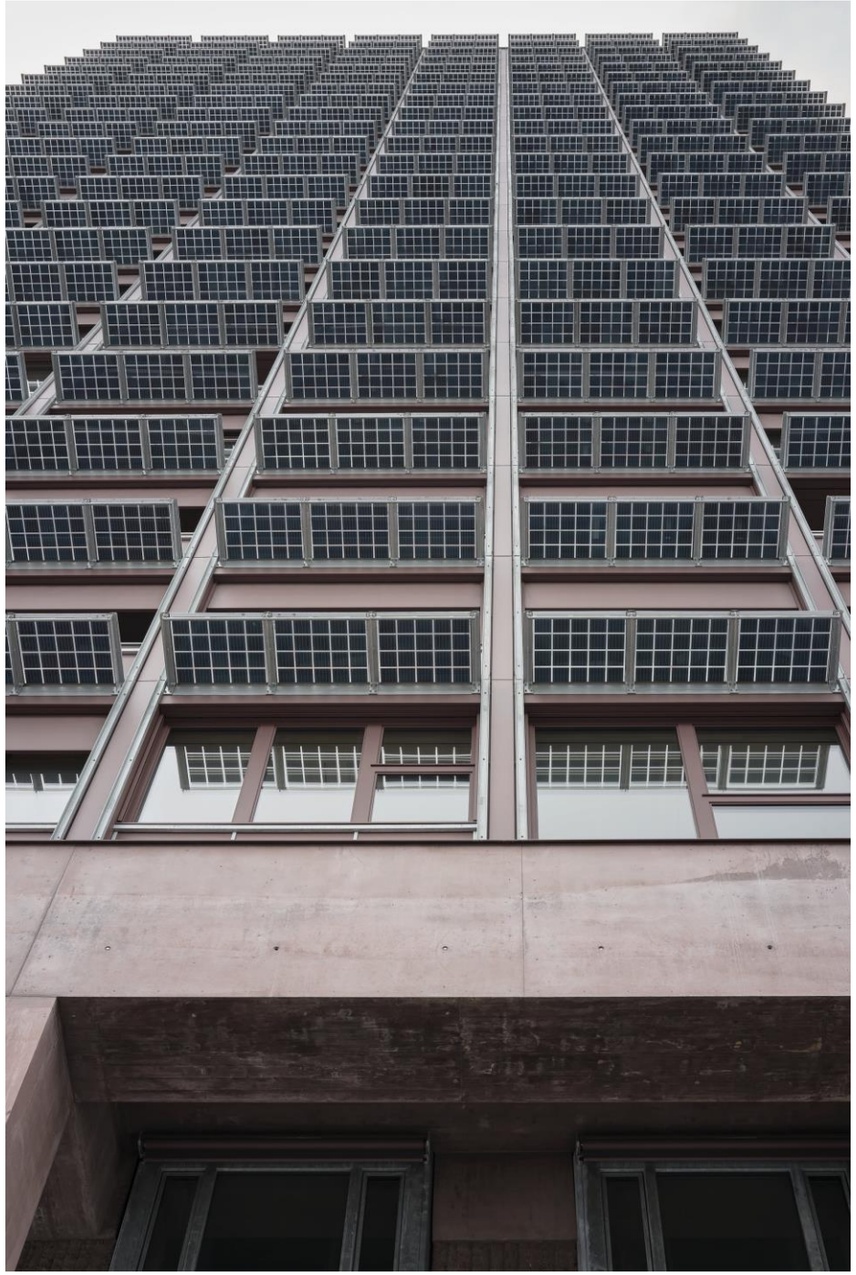


Foto: Kuster Frey

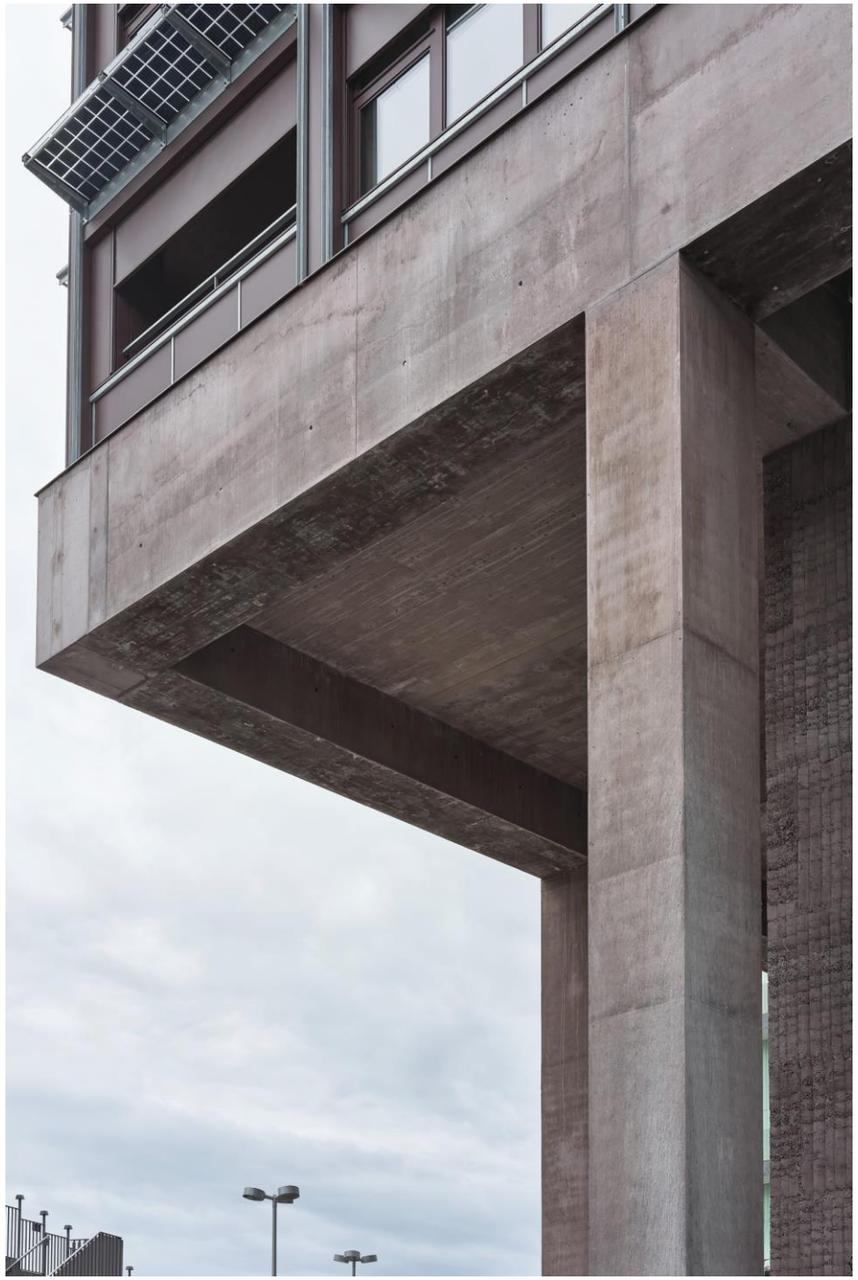
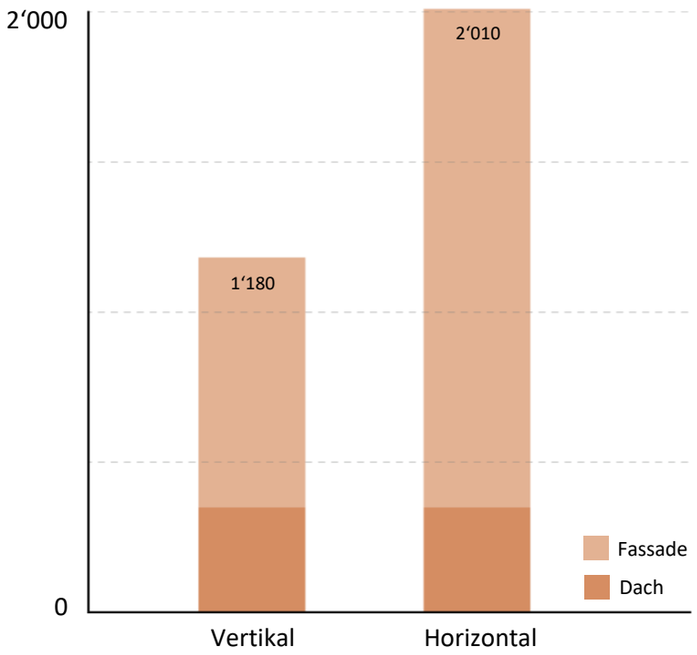


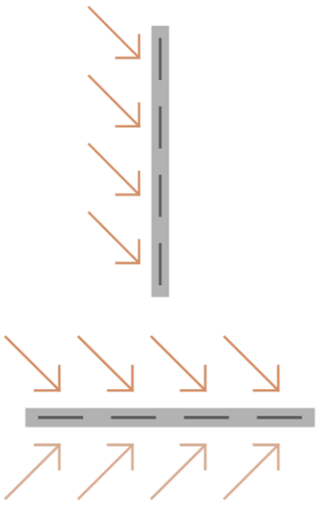
Foto: Kuster Frey

Photovoltaik Verteilung

Vergleich PV-Flächen für Varianten vertikal und horizontal

in [m²]



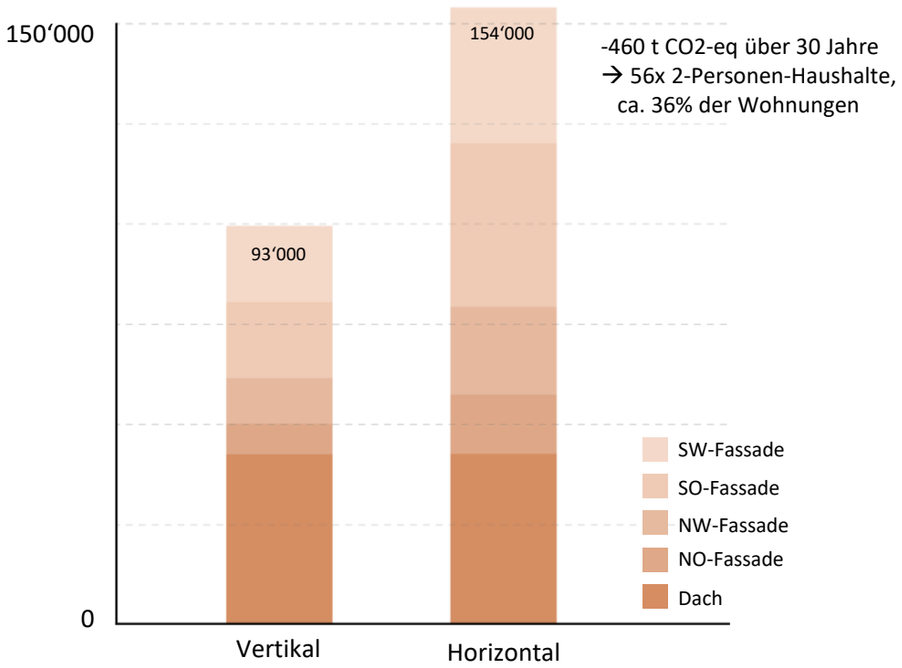


+10% Ertrag
(bifaziale Solarzellen)

Energie Produktion

Jährlicher PV-Ertrag

in [kWh]



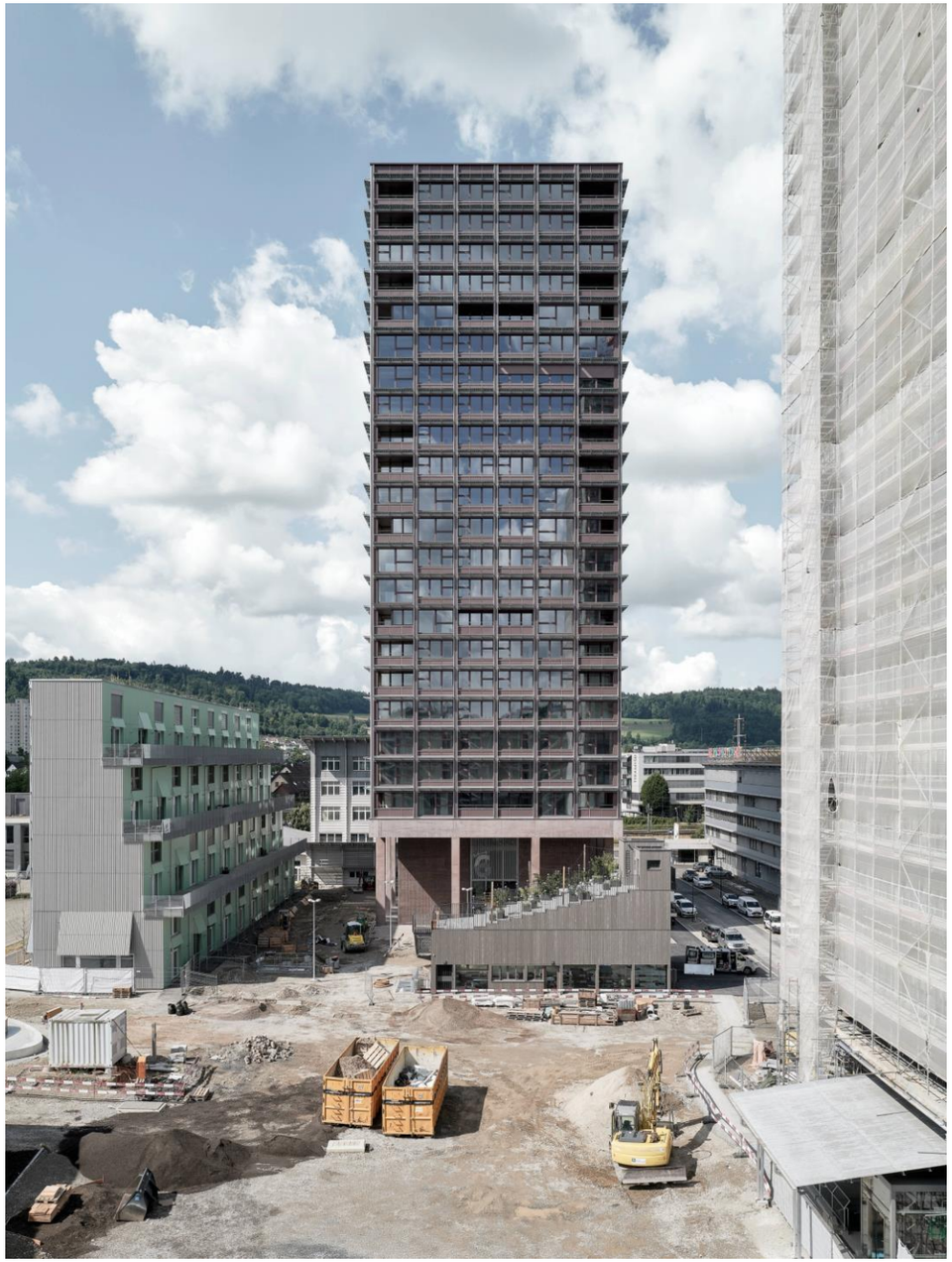


Foto: Kuster Frey

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Boltshauser Architekten

DANKE