

**WAECHTER**  
**+ WAECHTER**  
**ARCHITEKTEN**  
BDA

IDEE  
UND  
MATERIAL

**„DIE IDEE ODER KONZEPTION  
IST DER WICHTIGSTE ASPEKT  
DER ARBEIT“**

**SOL LEWITT**

**I WANT IT ALL**

**AND I WANT IT NOW**

[quickmeme.com](http://quickmeme.com)

No. 01

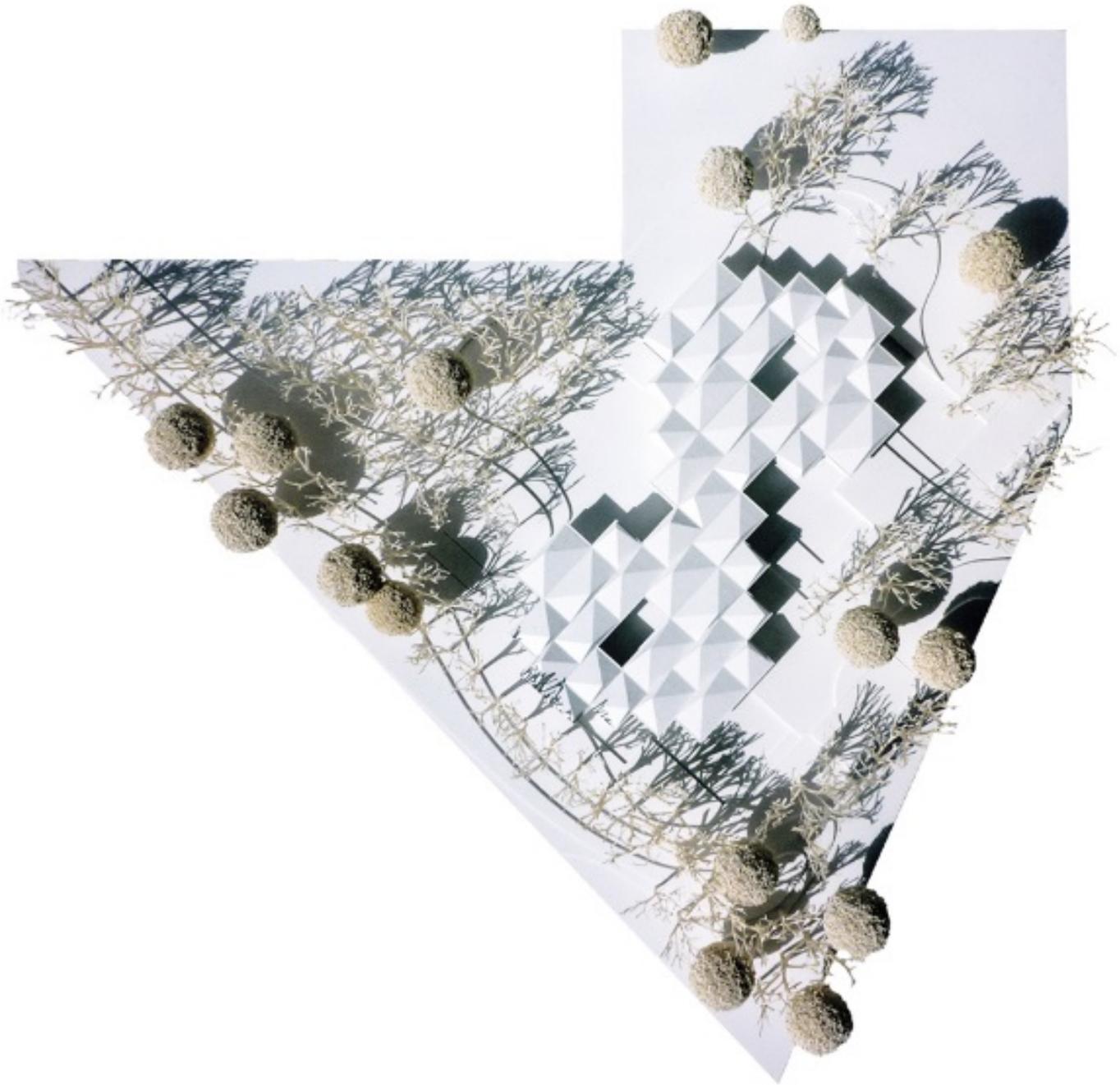
EINHEIT VON INHALT UND FORM





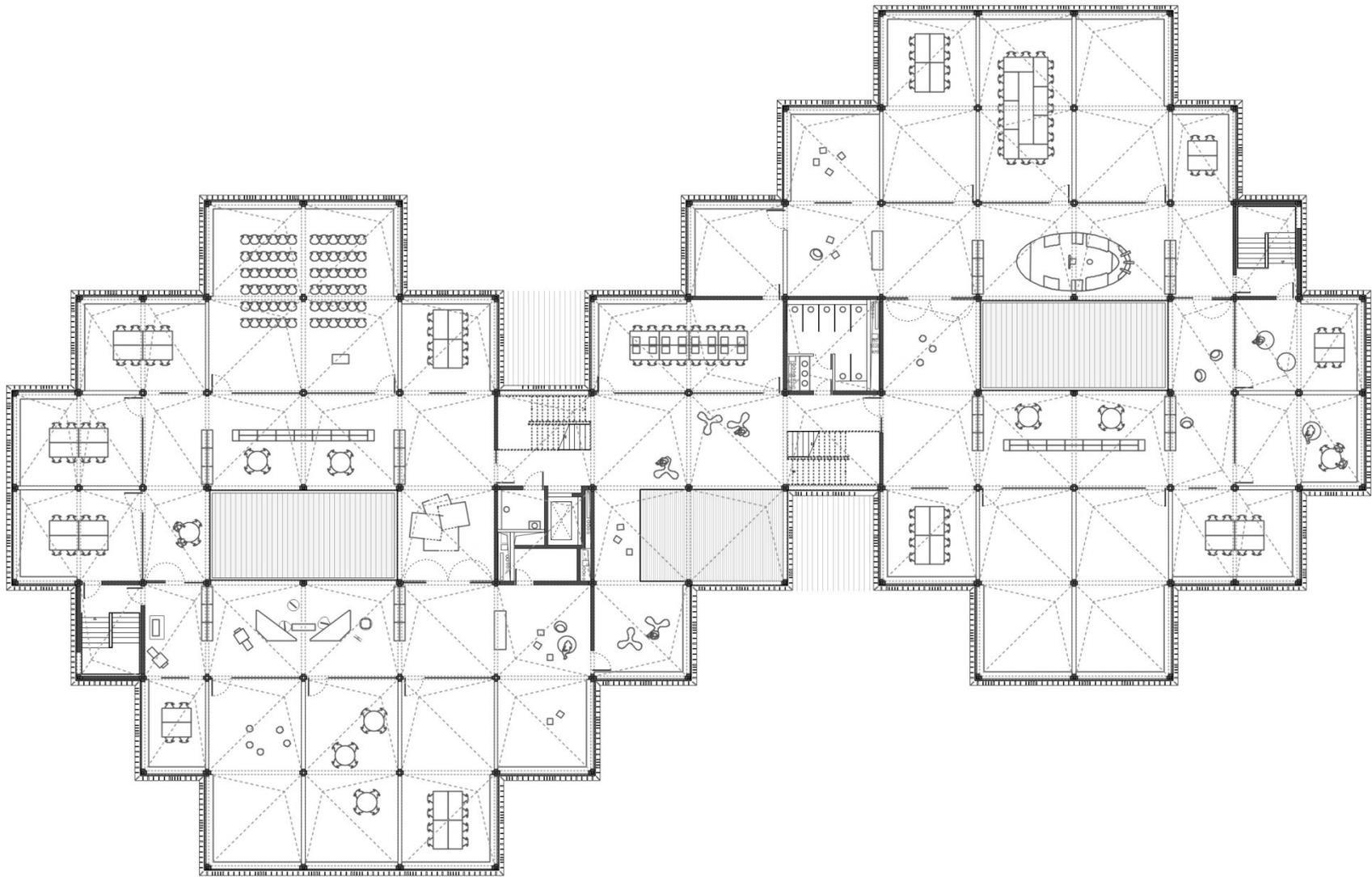
The Veiled Virgin, Marmostatue, Rom  
Giovanni Strazza, ab 1850

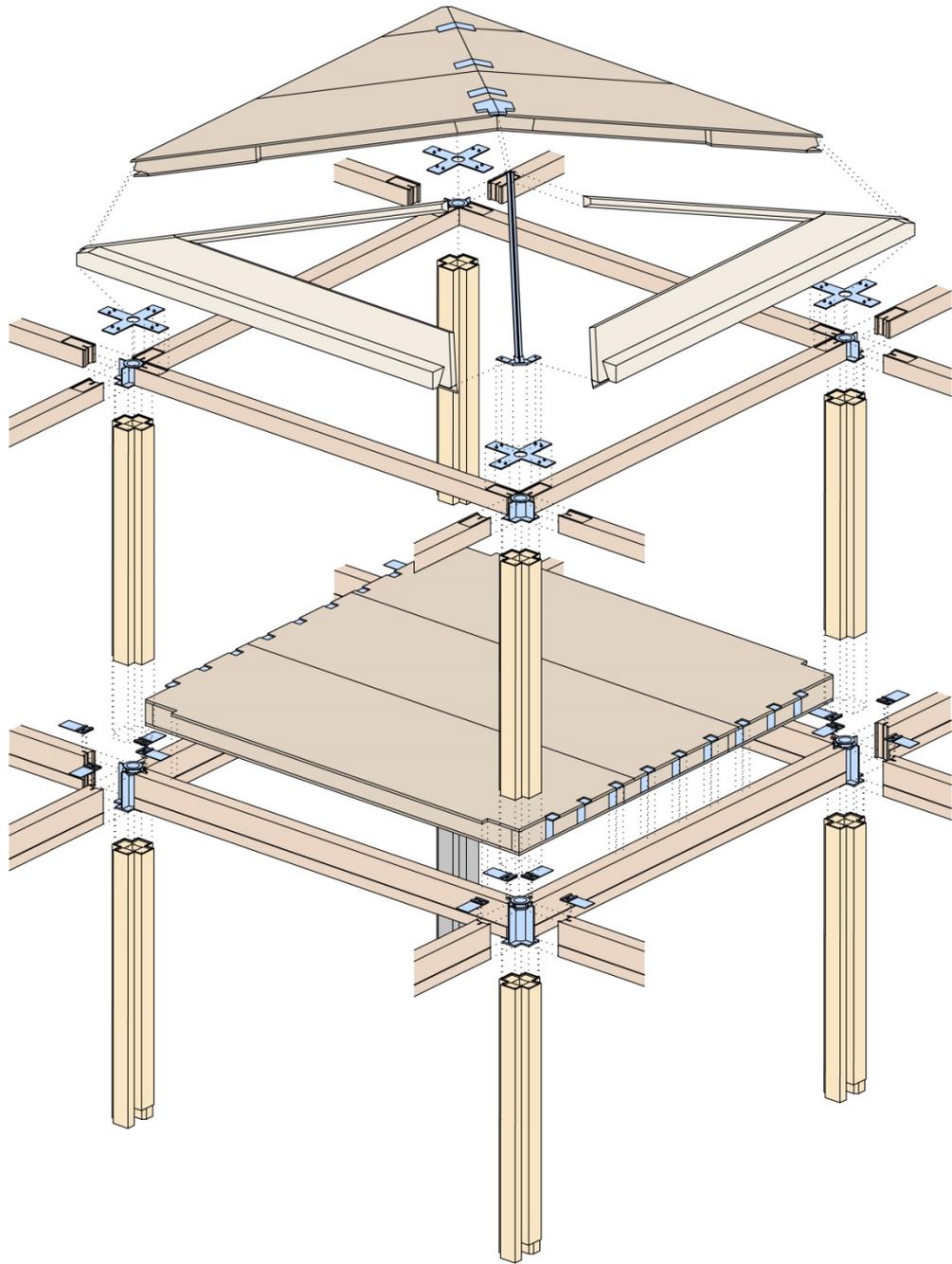


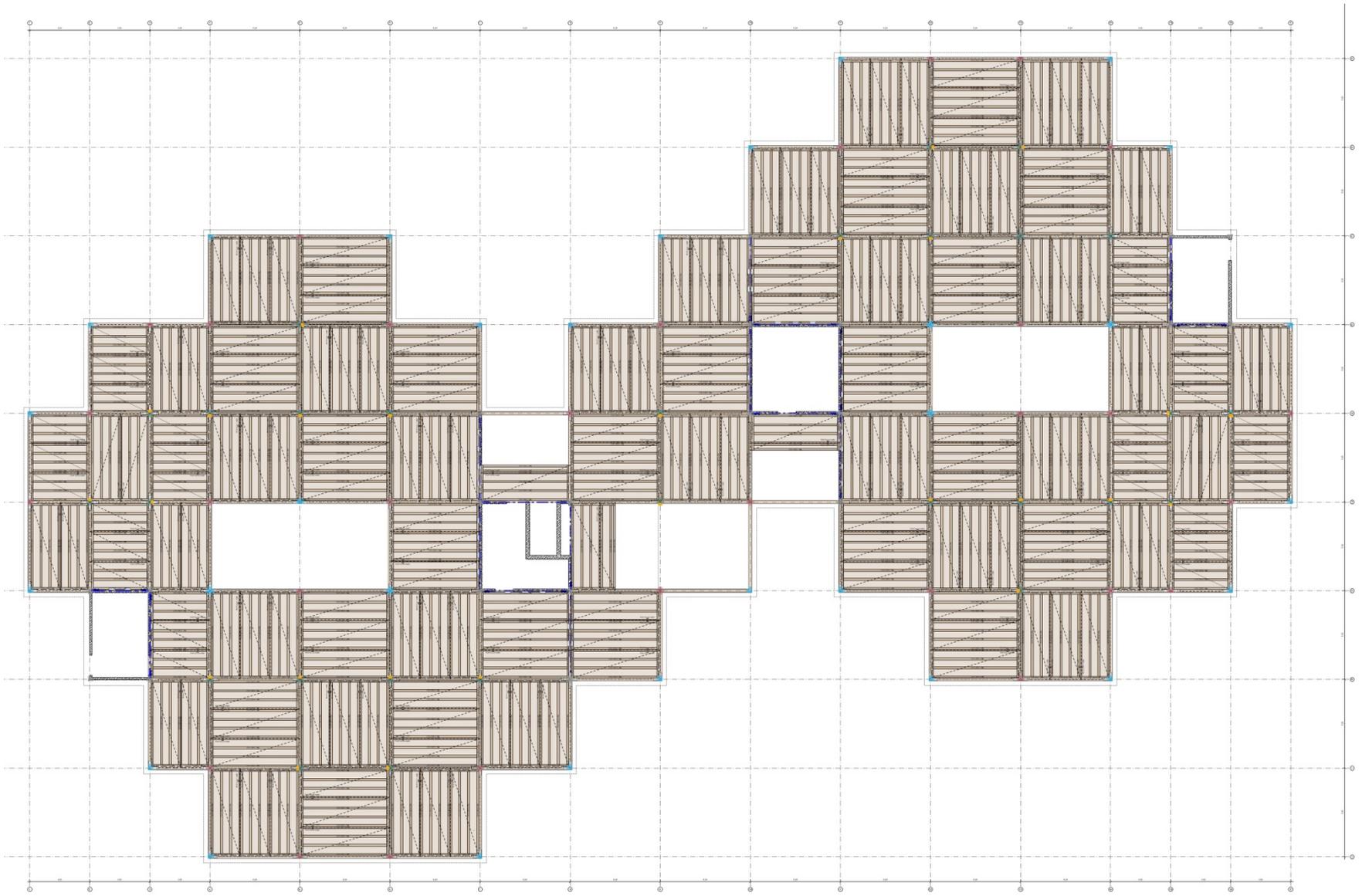


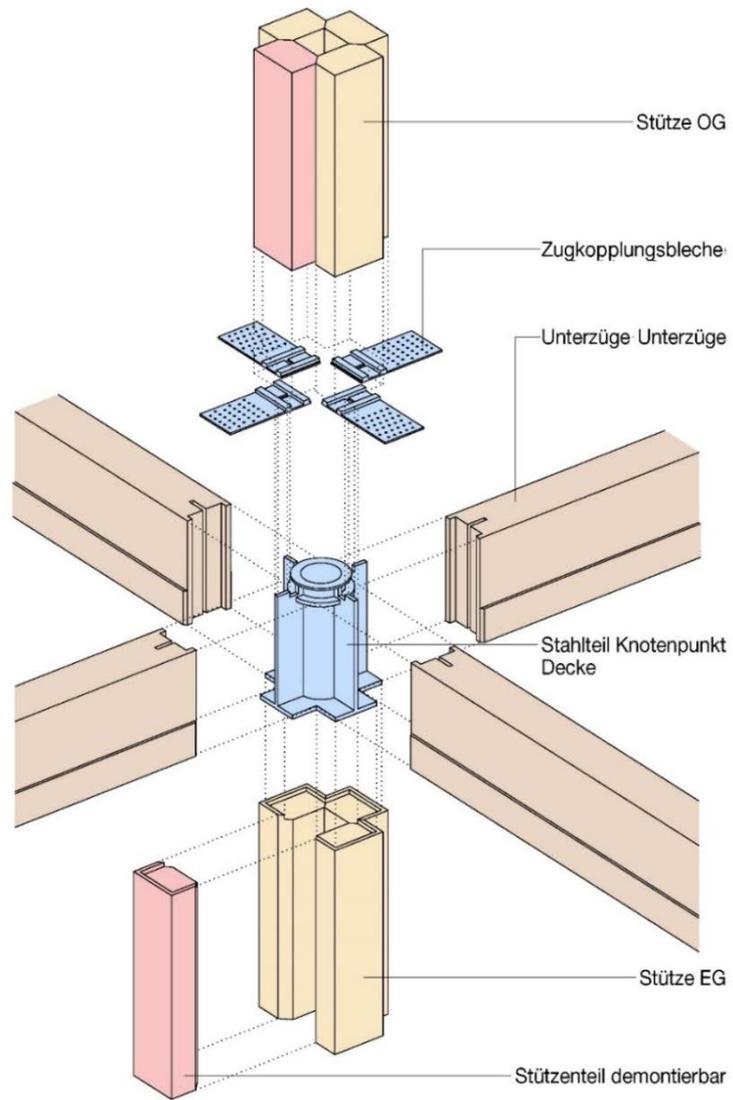


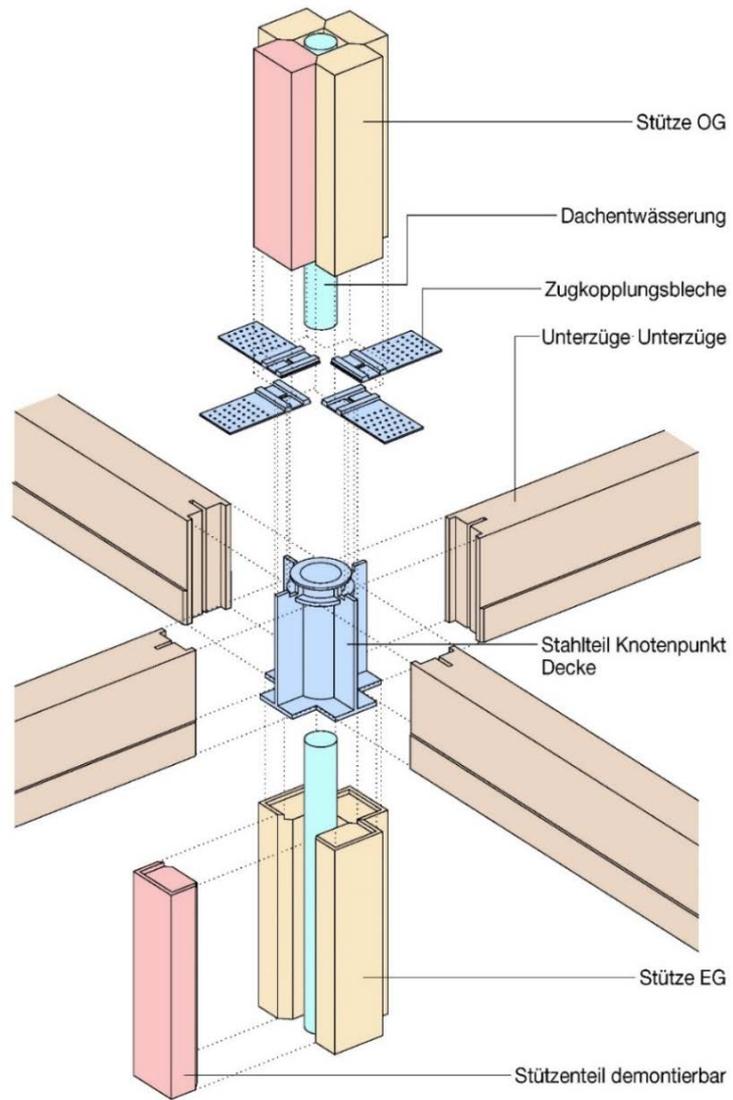










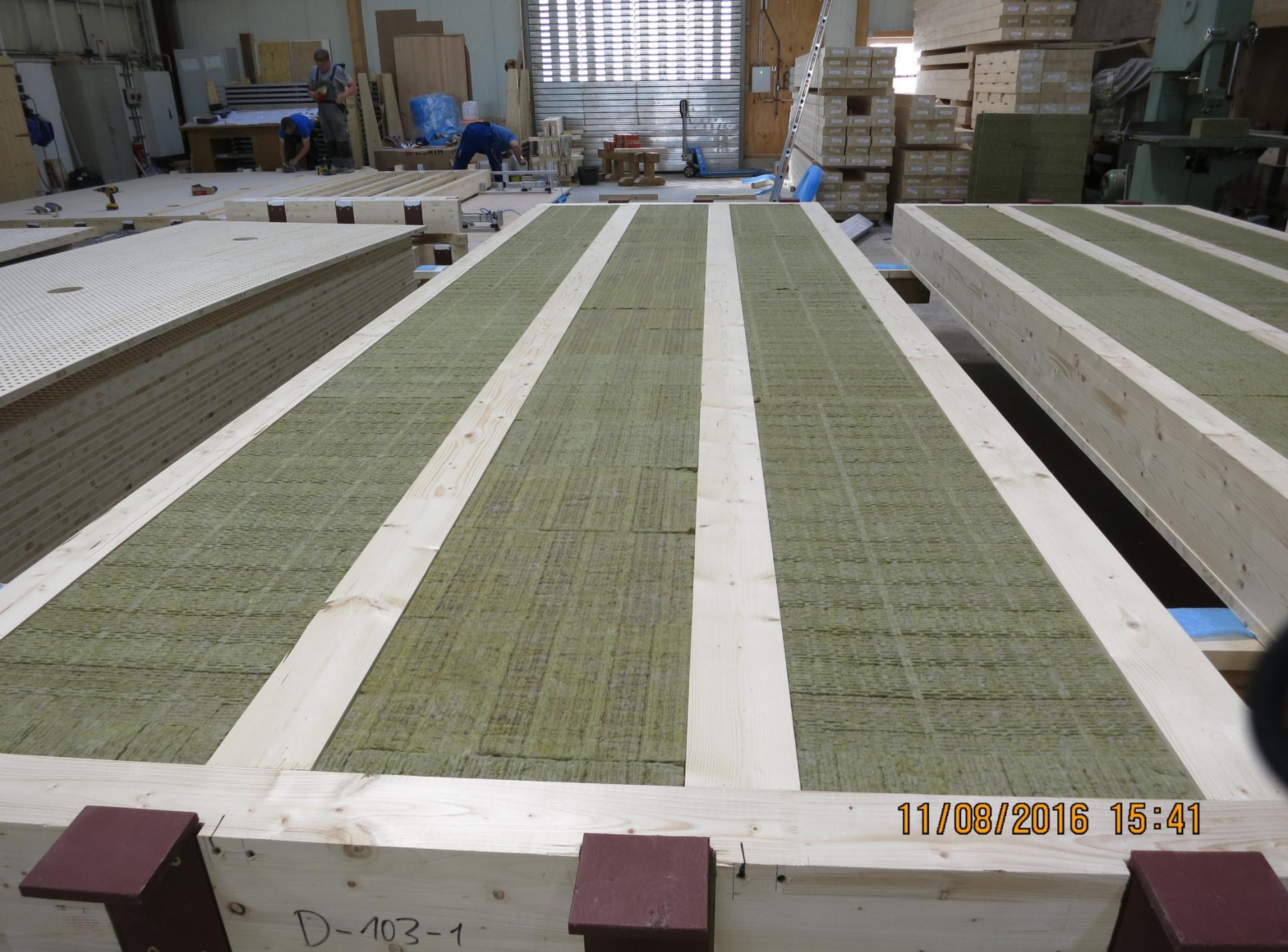




11/08/2016 15:40



11/08/2016 15:41



11/08/2016 15:41

D-103-1



GERKEN | D 0180 / 5 20 20 44  
KUNDENSERVICE | NL 088 / 4 28 80 80  
KUNSTSTOF WERKSTAD | D 089 / 71 03 59



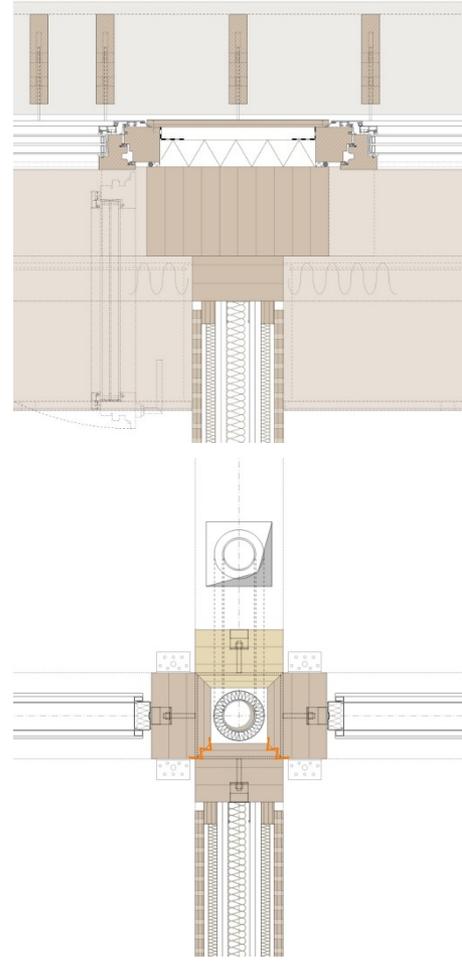
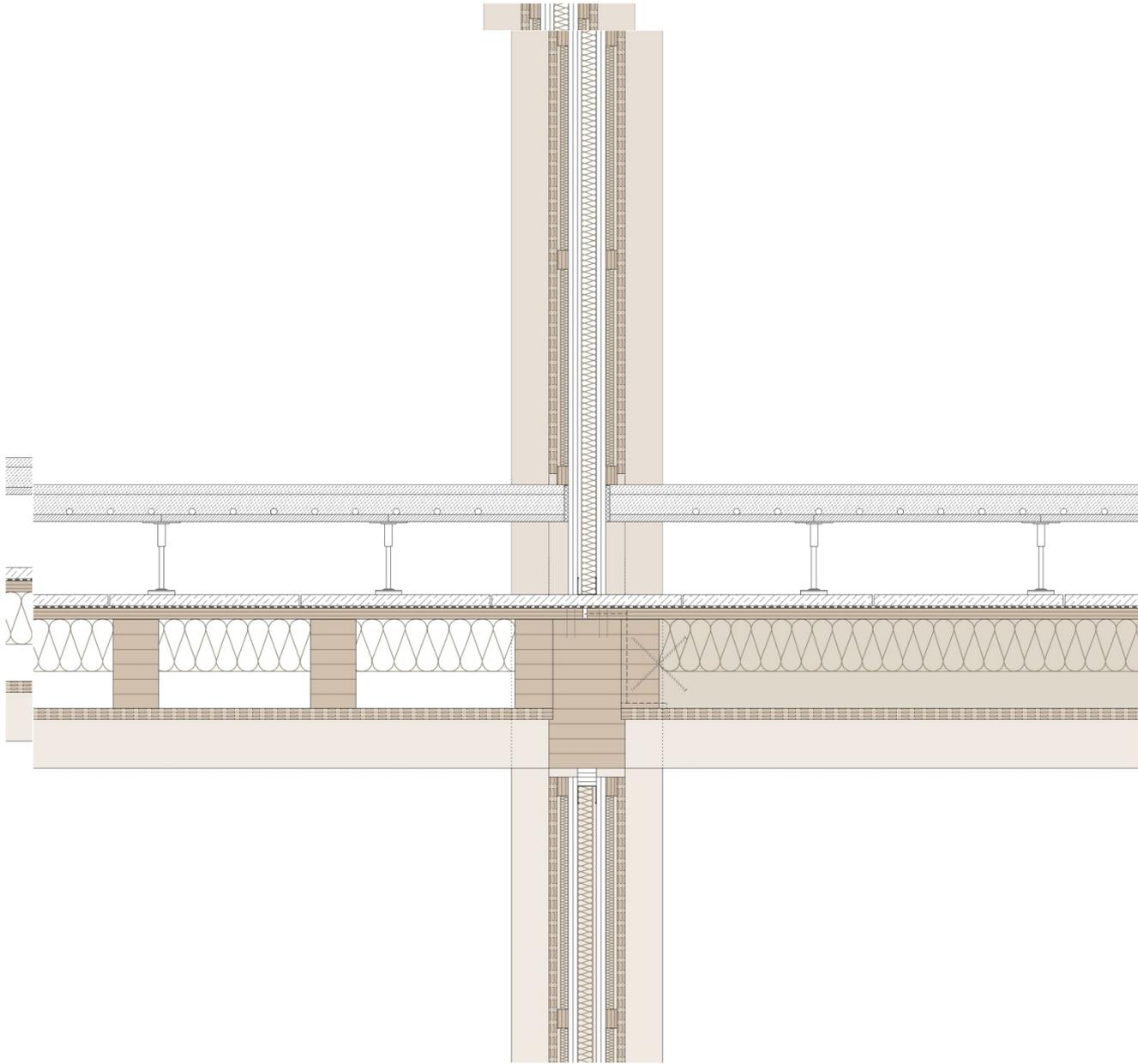
**EBK**

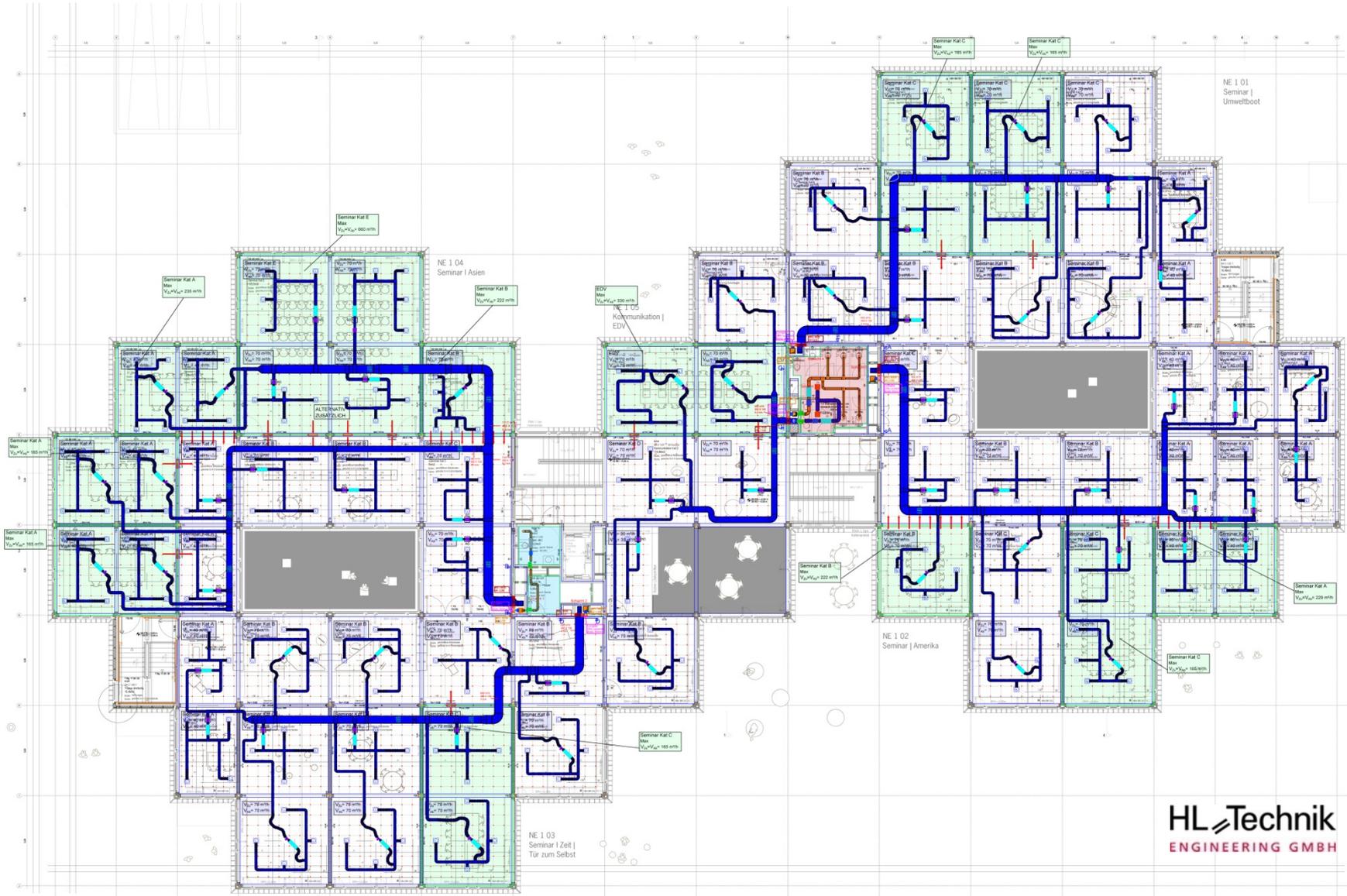
ENTWERFEN  
UND  
BAUKON-  
STRUKTION

W+W,  
AIZ Akademie für Internationale  
Zusammenarbeit, Bonn





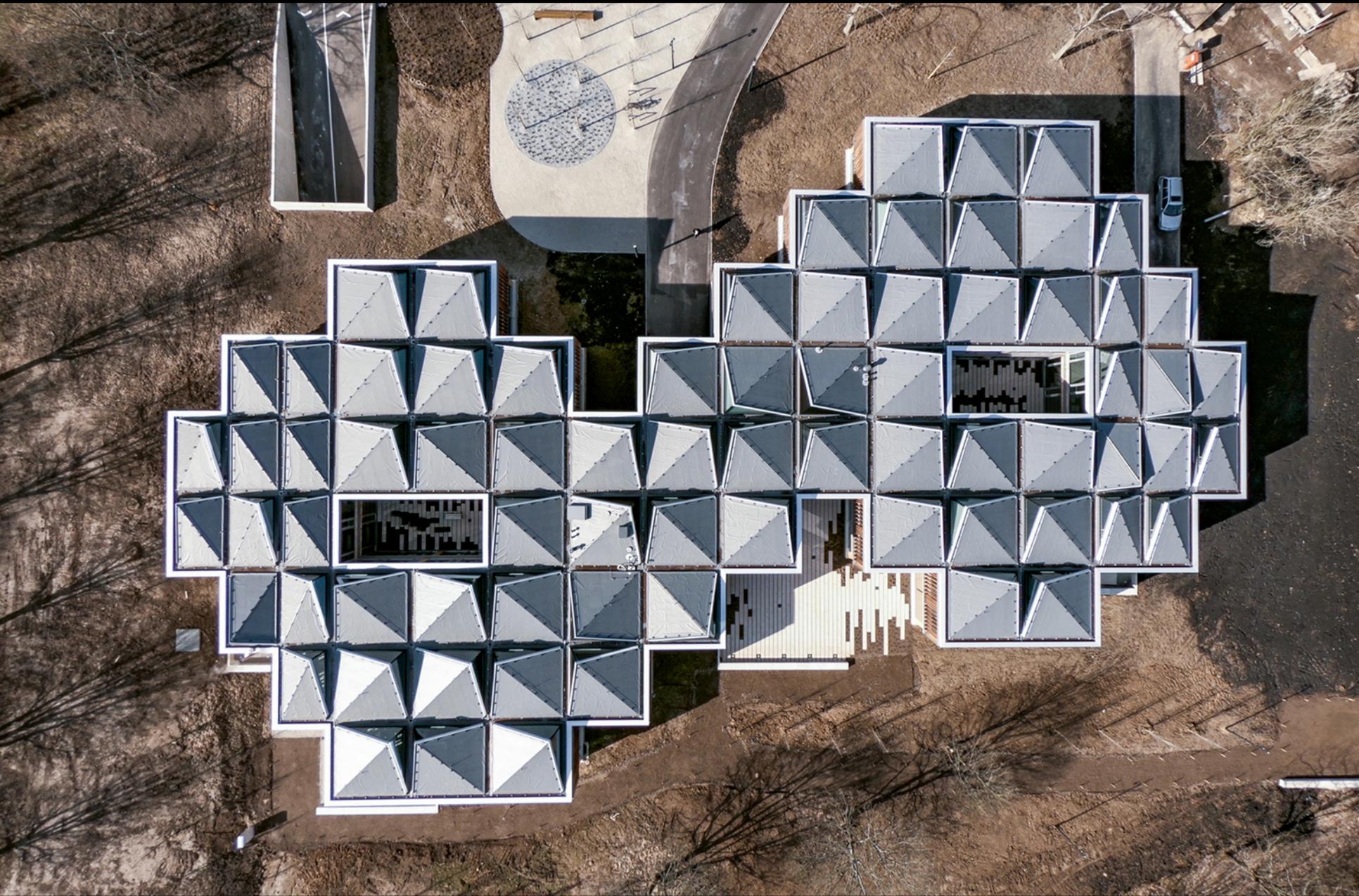












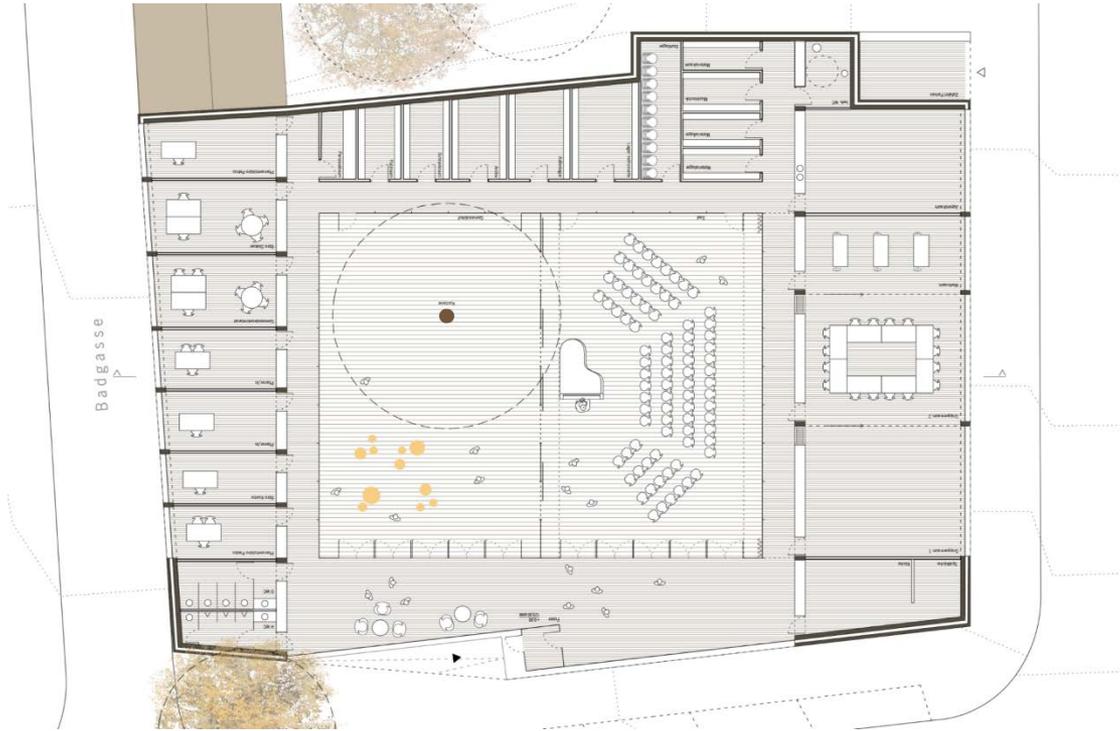
ÜBER DIE SINNE







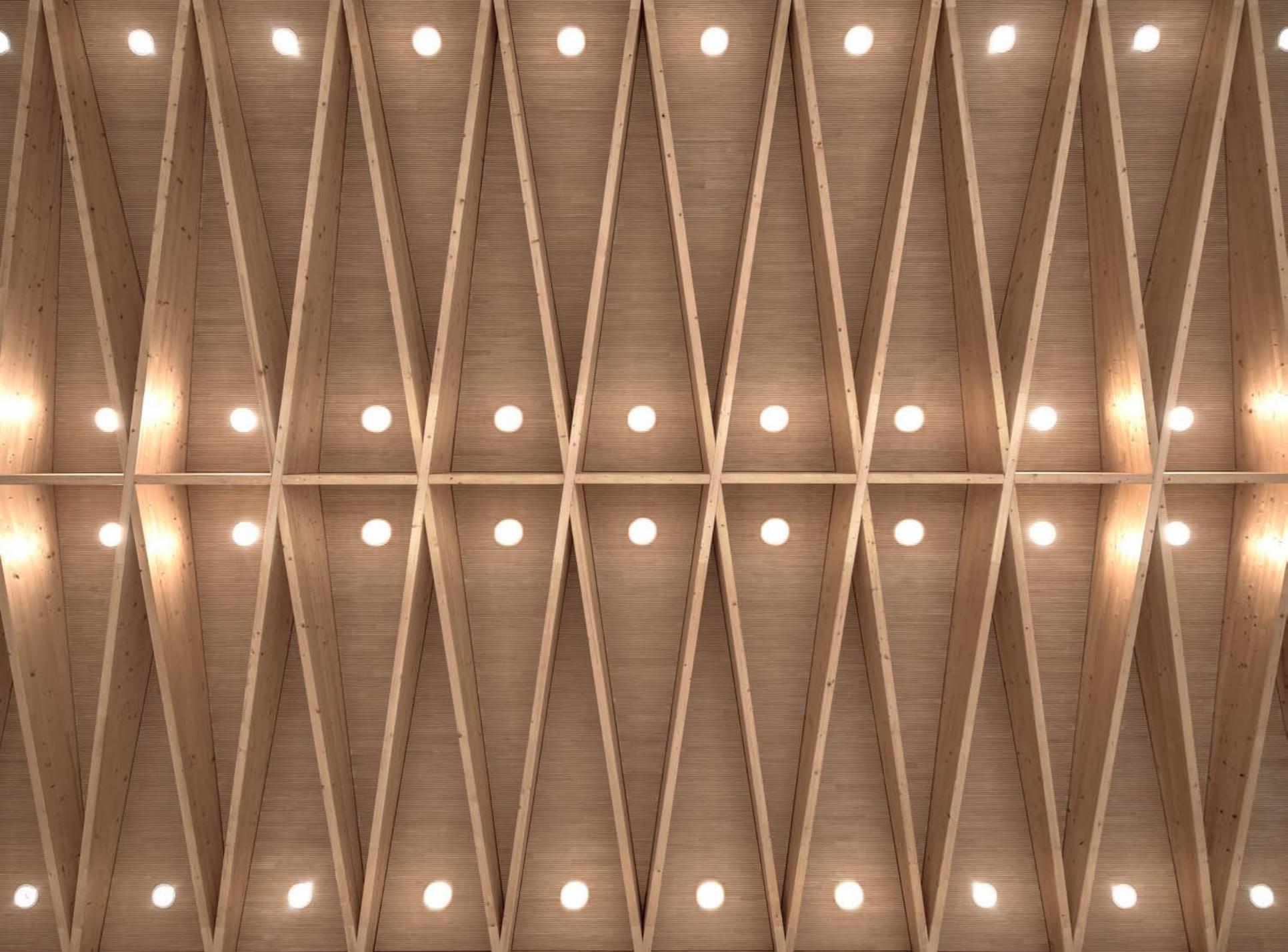








W+W,  
Gemeindezentrum Petrusgemeinde, Wiesloch, 2016  
Gemeindesaal







No. 03

DIE TUGEND DER EINFACHHEIT



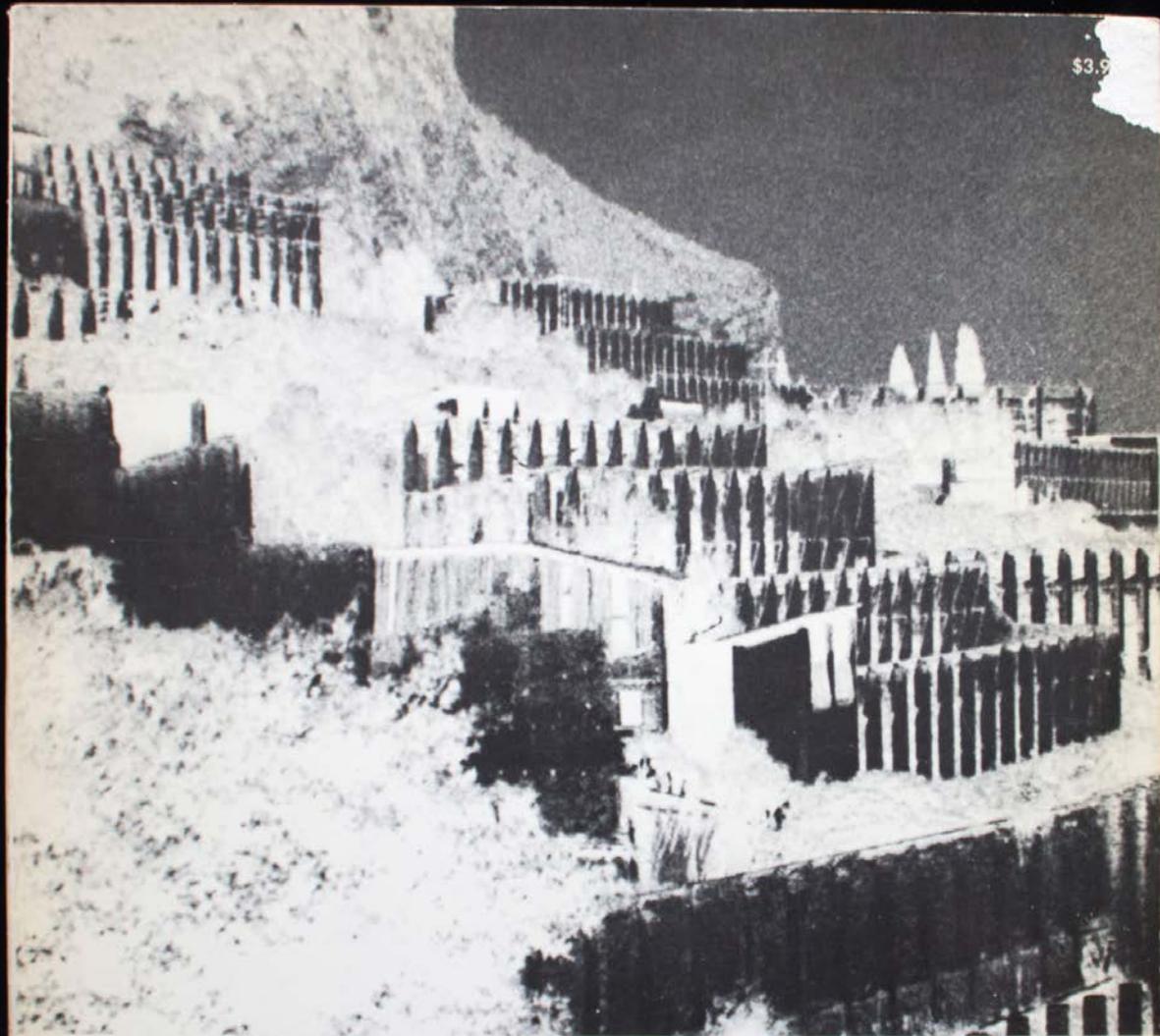


Henry David Thoreau (1817-1862)  
Nachbau seiner Hütte





\$3.9

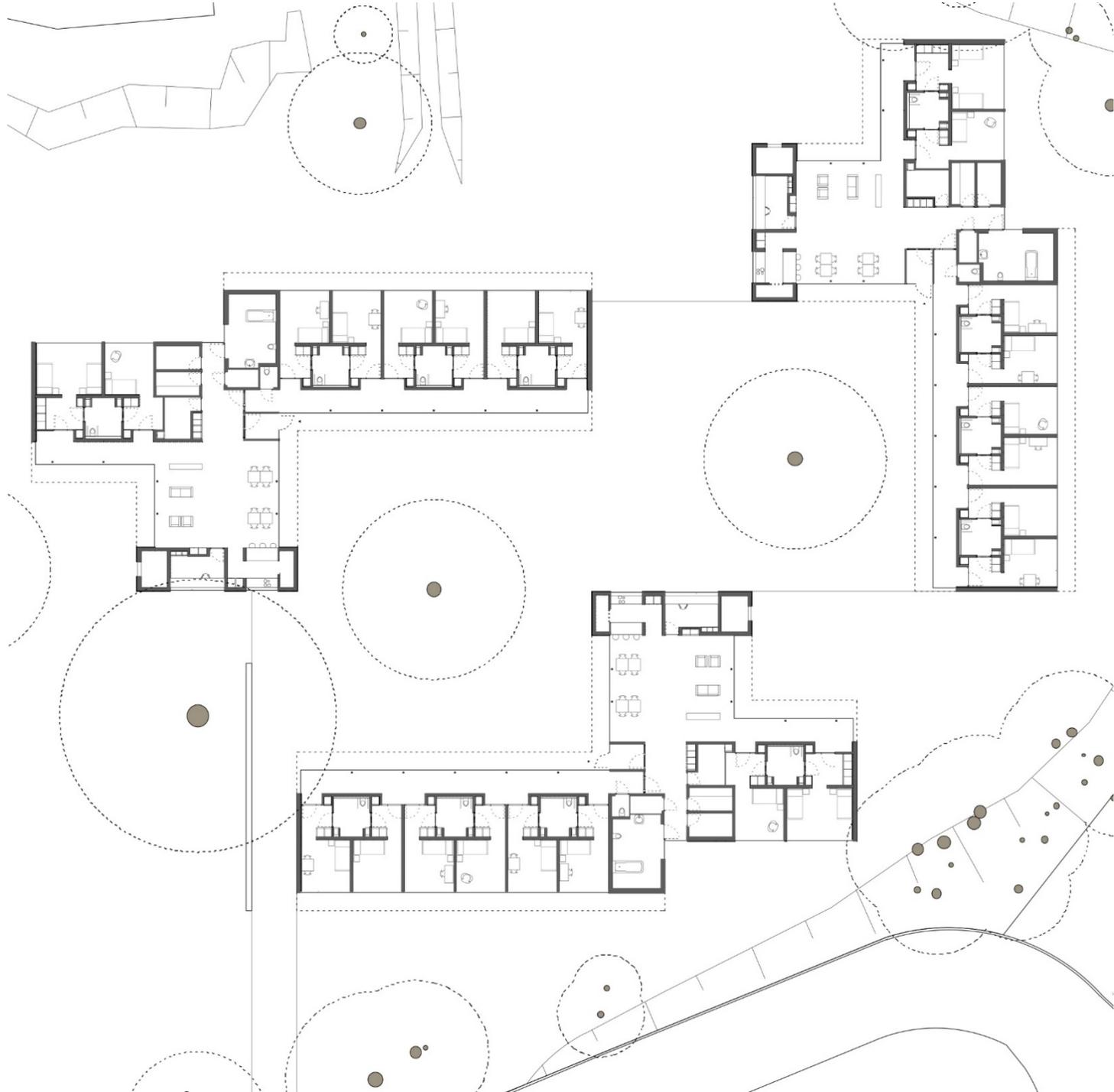


# ARCHITECTURE WITHOUT ARCHITECTS

by Bernard Rudofsky









## Immobilien



Bauen geht billiger und doppelt so schnell

# DDR-Lösung gegen Wohnungsnot: Experten prophezeien Plattenbau- Comeback



Freitag, 11.10 | 10:02 Uhr

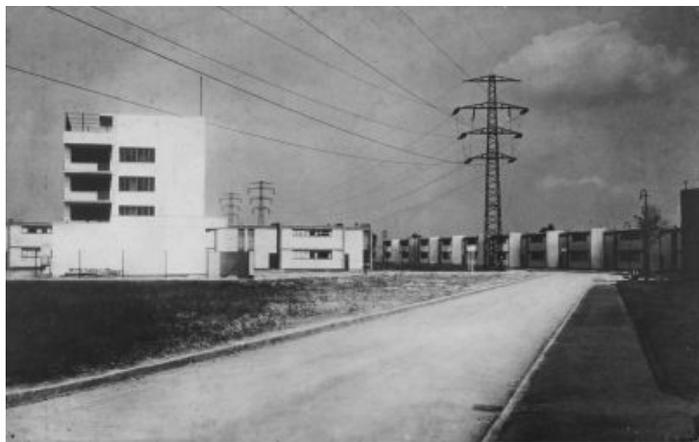
VIELFALT UND EINHEIT

No. 04



Halle  
Neustadt





Walter Gropius  
Siedlung Dessau-Törten  
1928



Walter Gropius, Konrad Wachsmann,  
Baustelle General Panel Test House



GENERAL PANEL CORPORATION

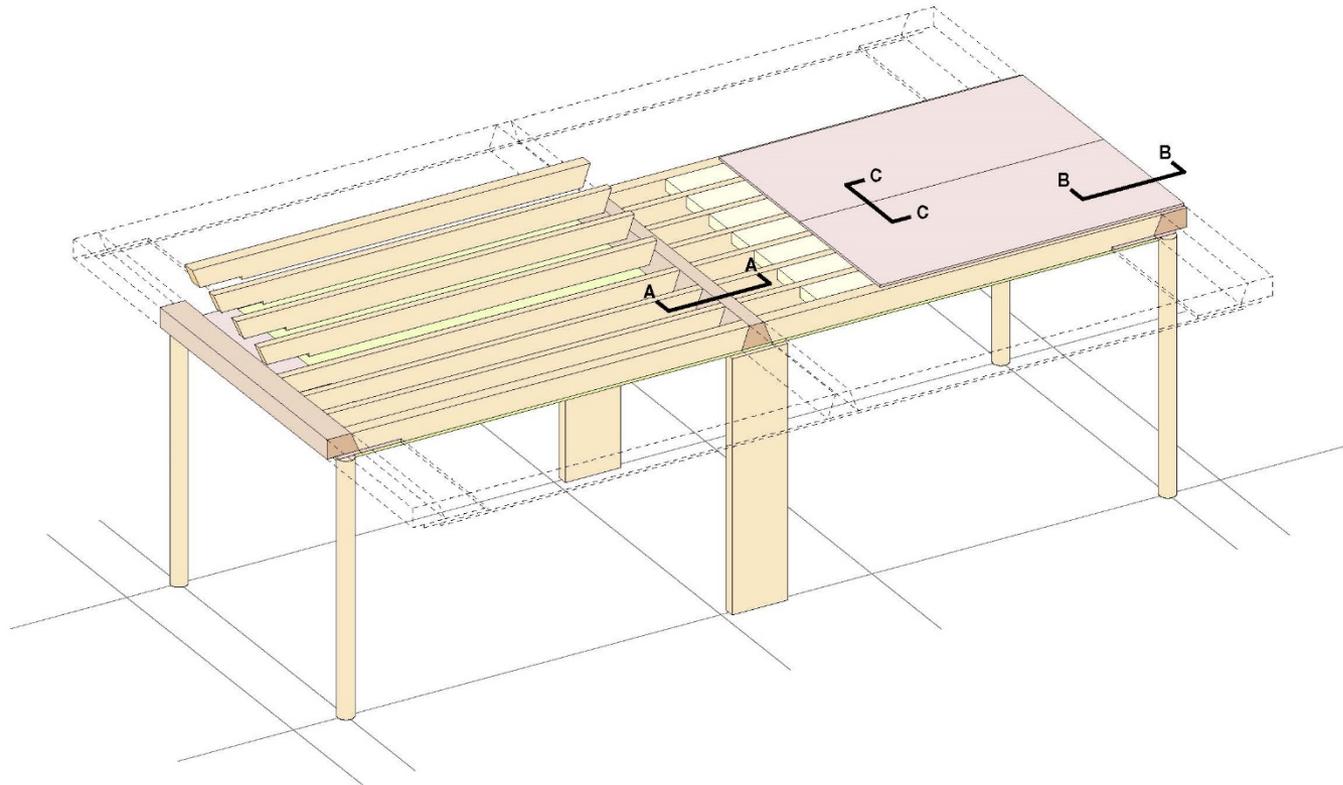


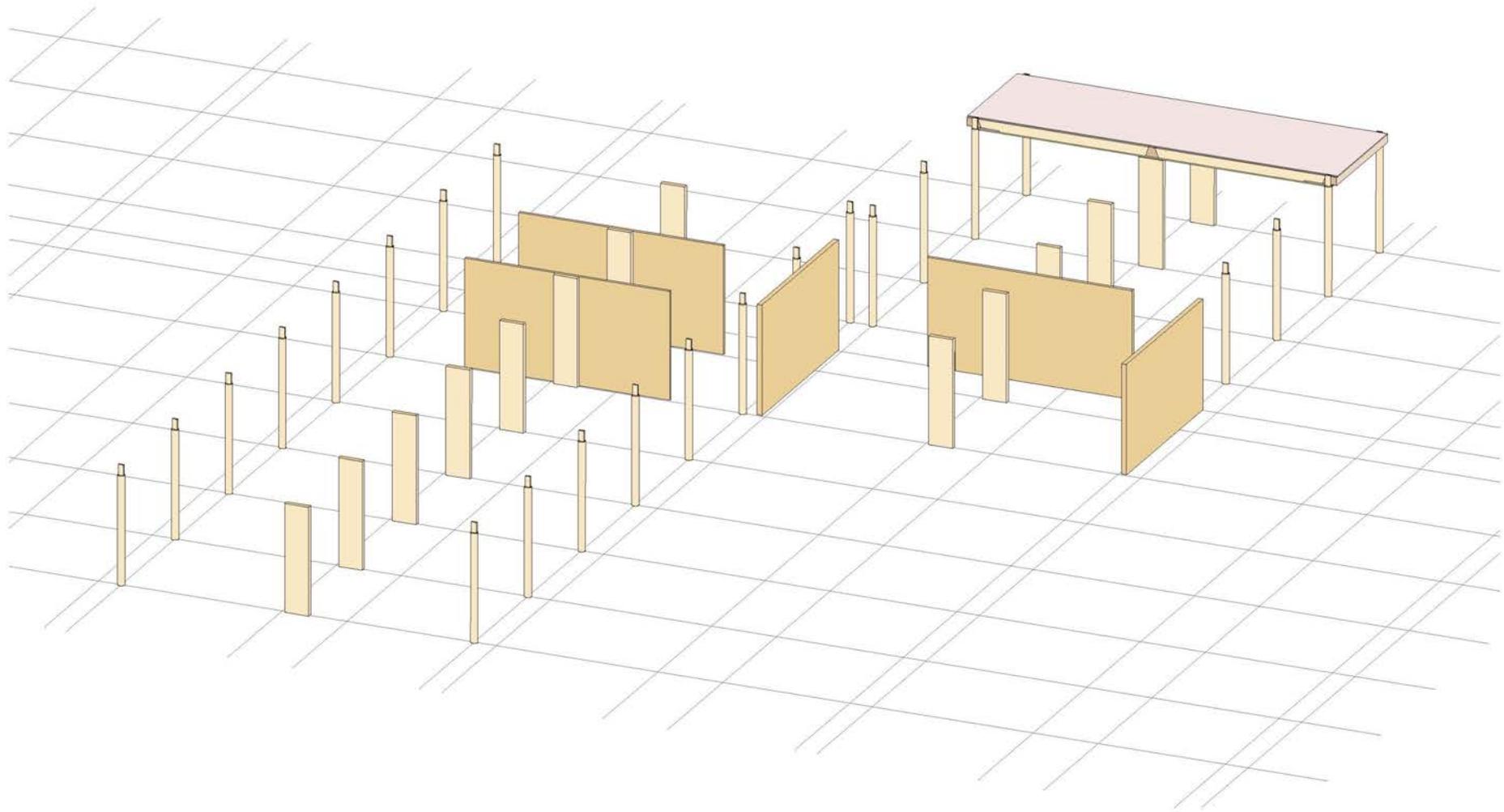
CLT – Crosslaminated Timber  
Transport und Weiterverarbeitung  
<http://www.massivholzsystem.at>

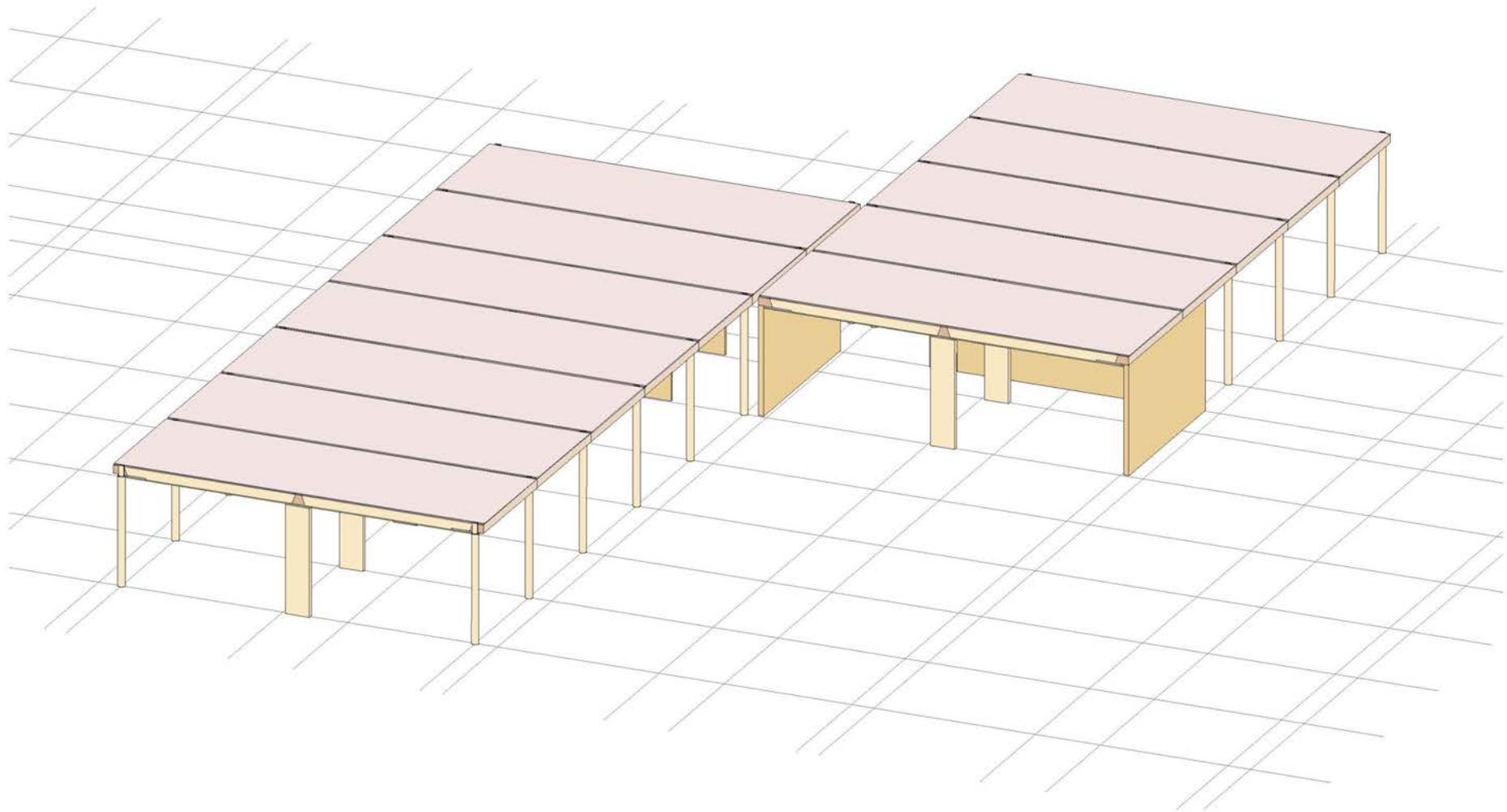


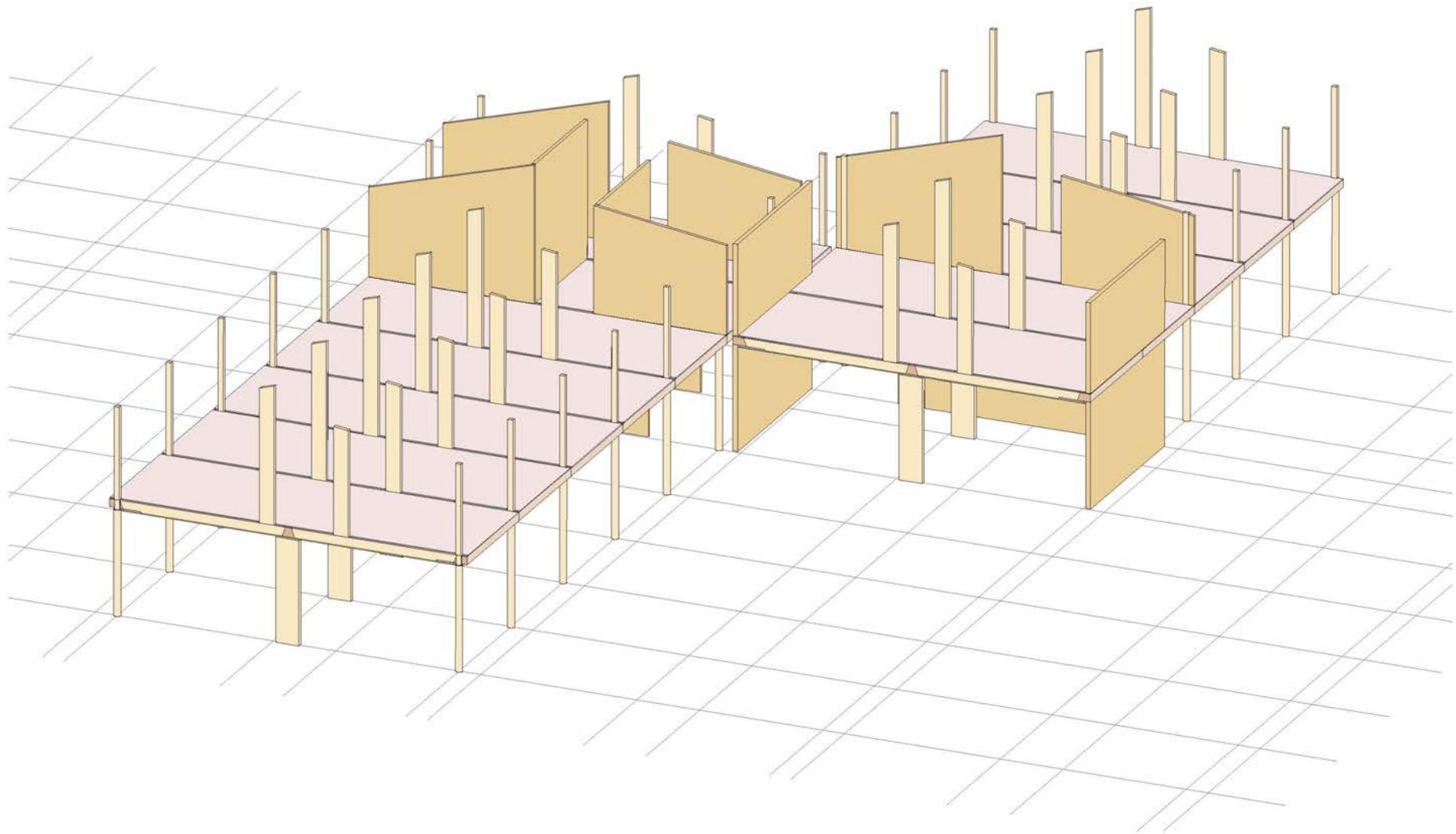


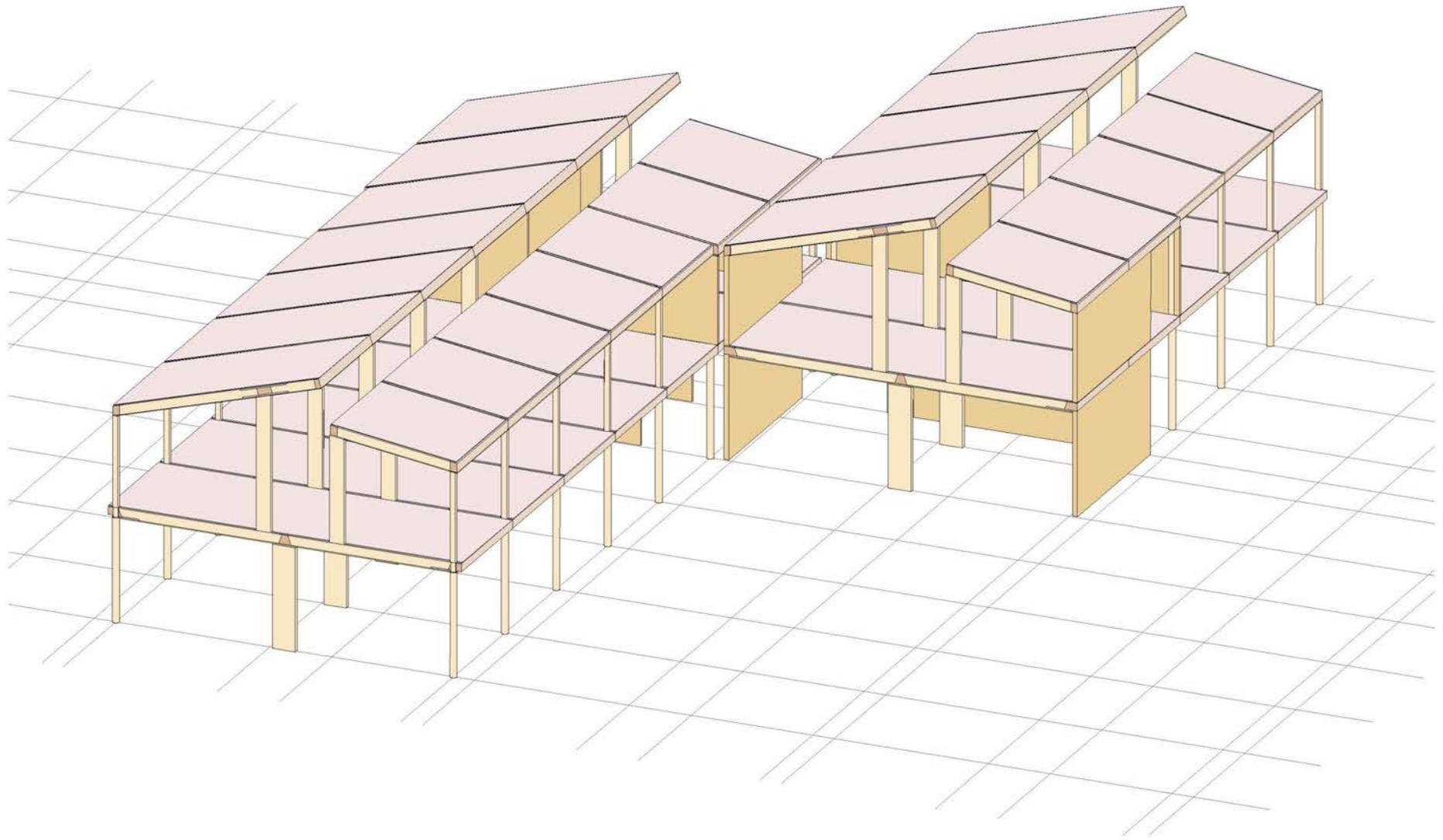
# Isometrie Tragkonstruktion Decke







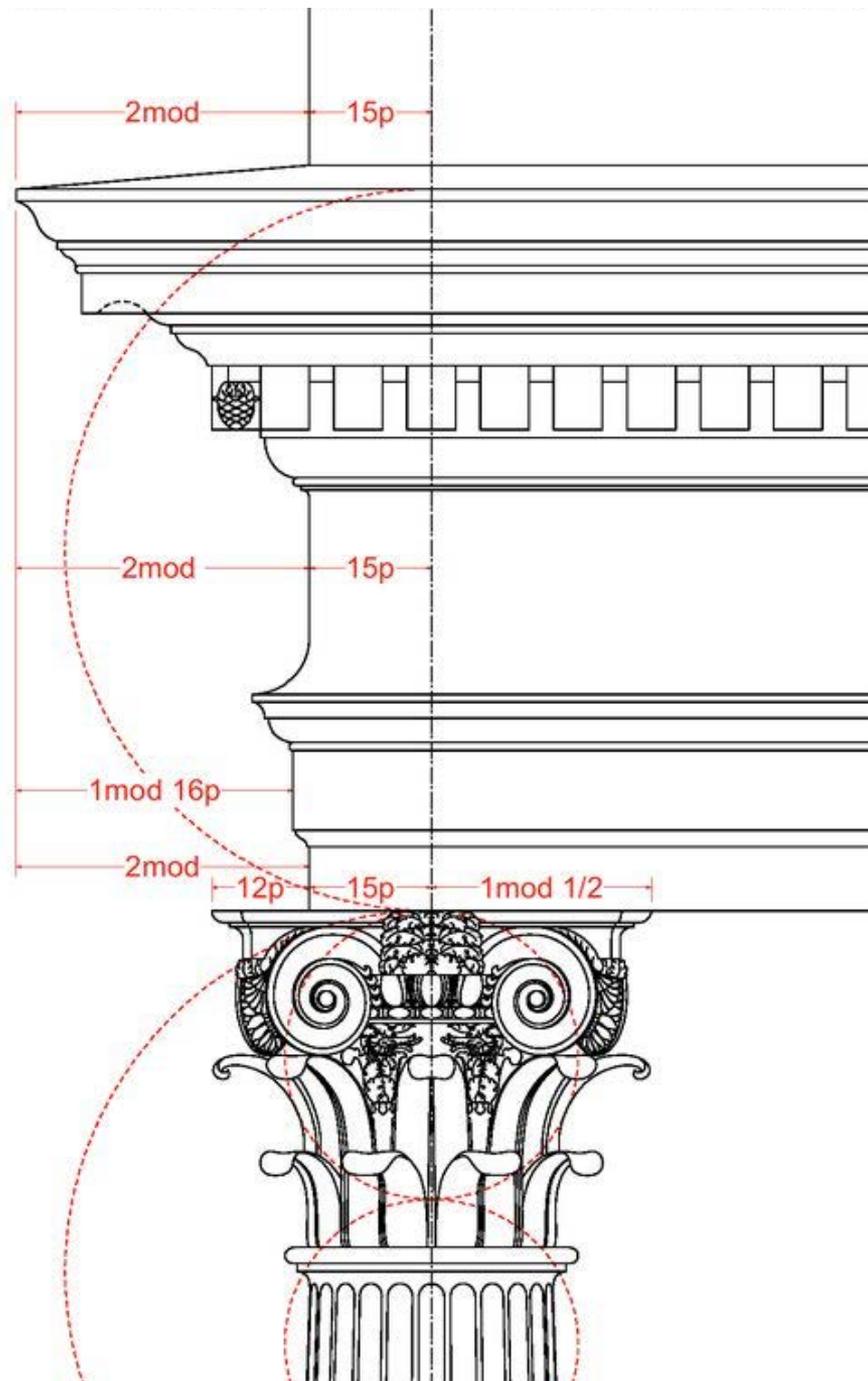






No. 05

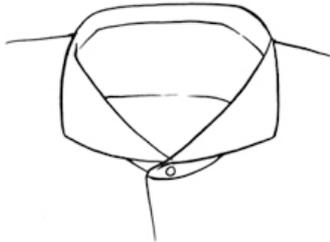
DAS GANZE UND SEINE TEILE



SCHNITT



# KRAGEN



CUT-AWAY



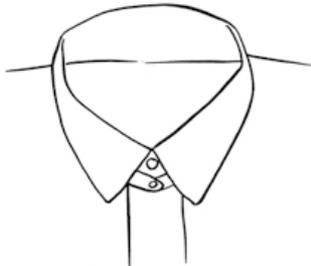
HAIFISCH



NEW-KENT



KENT



TAB



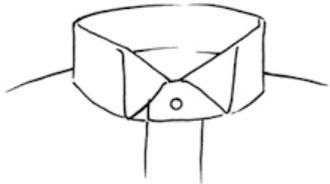
SPORTLICH



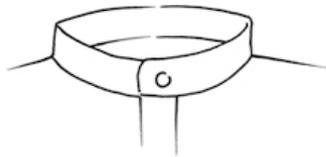
CLUB



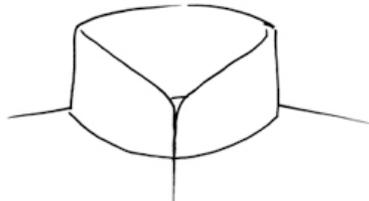
BUTTON-DOWN



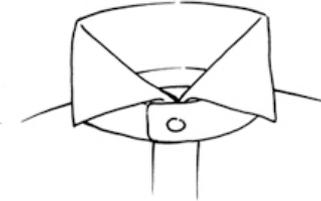
KLÄPPCHEN



BAND



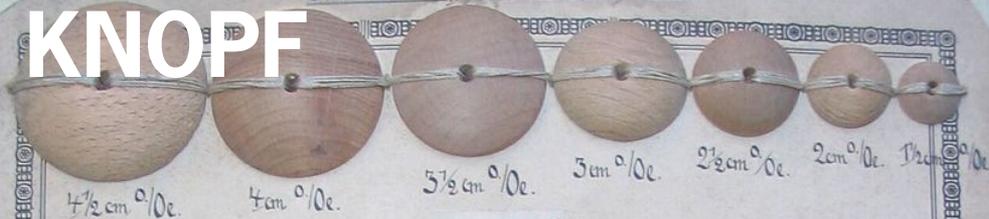
CHINESISCH



FLÜGEL

# KNOPF

## Holzknopfformen flach:



4 1/2 cm Ø/De.

4 cm Ø/De.

5 1/2 cm Ø/De.

5 cm Ø/De.

2 1/2 cm Ø/De.

2 cm Ø/De.

1 1/2 cm Ø/De.

CARL GENTZ  
DUSSELDORF  
CRANACH-STRASSE 12

## Pappe:



4 1/2 cm m. Kab-De.



5 1/2 cm m. Dr-De.



5 1/2 cm m. Dr-De.



5 1/2 cm m. Kab-De.



4 1/2 cm m. Kab-De.

## Holz:

## Patentknopf



Probierknopf

## Bindeknopf



m. Knopfsband

## Galalithknopfform



m. Holzknopfform

## Holz



5 1/2 cm hoch

## Pappknopfformen flach:



2 1/2 cm Ø/De.

3 cm Ø/De.

3 1/2 cm Ø/De.

4 cm Ø/De.

4 1/2 cm Ø/De.

4 3/4 cm Ø/De.

## Knopf-Unterteile:



#1



#2



#3



#4

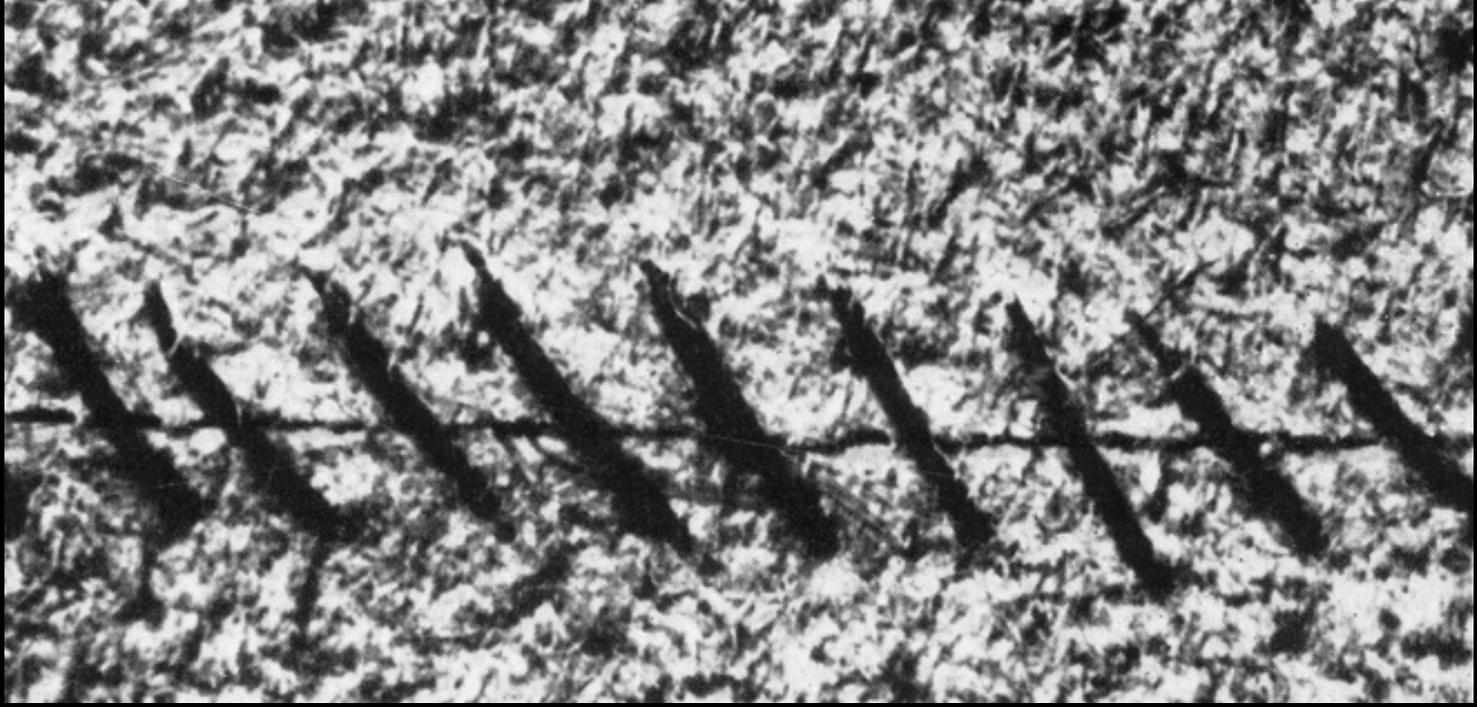
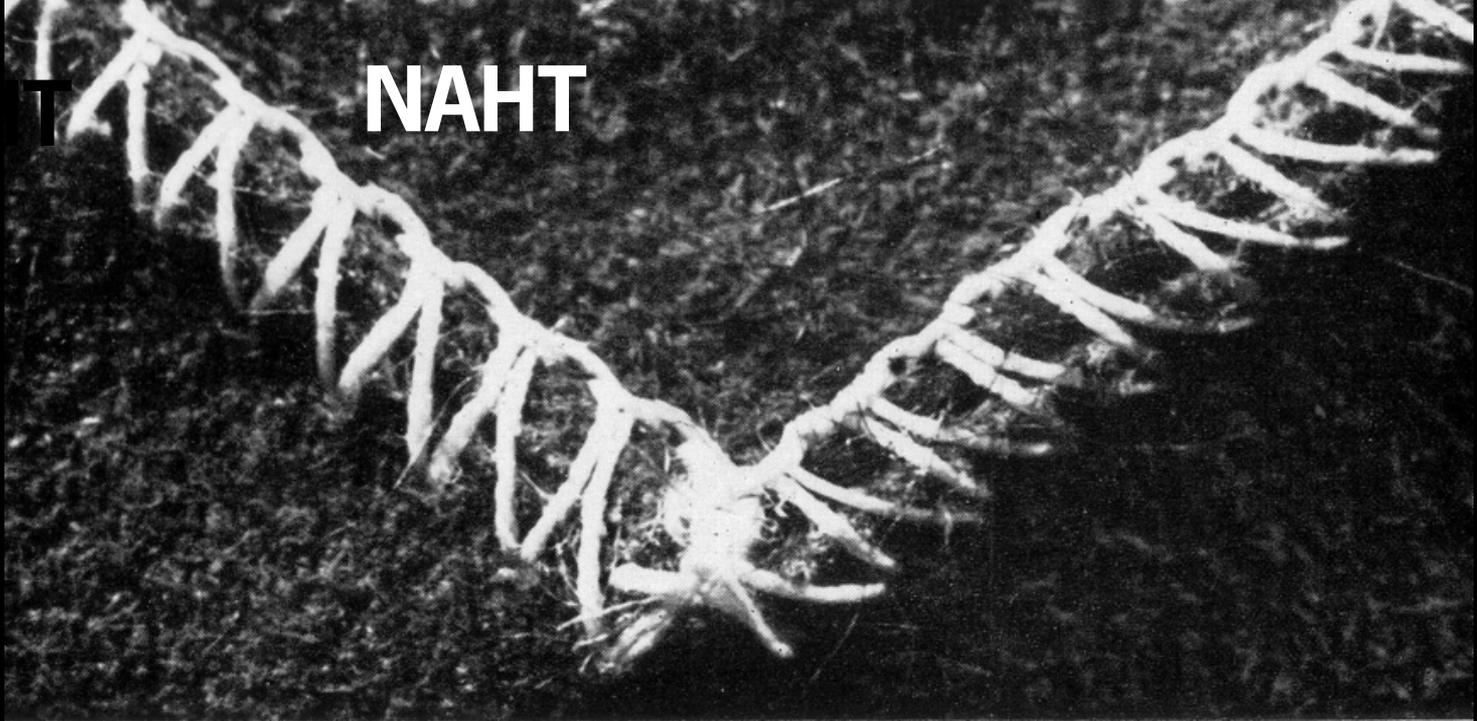


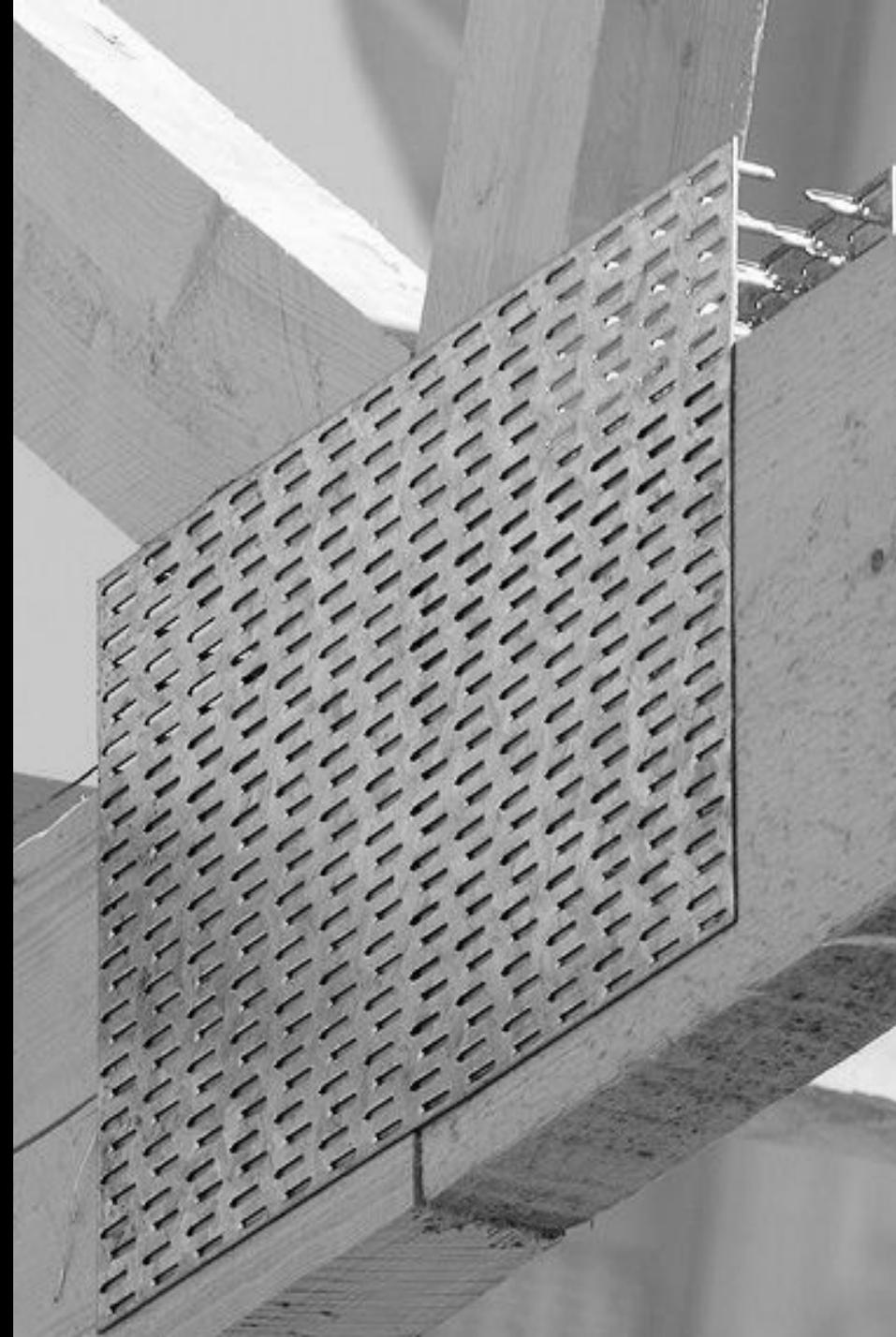
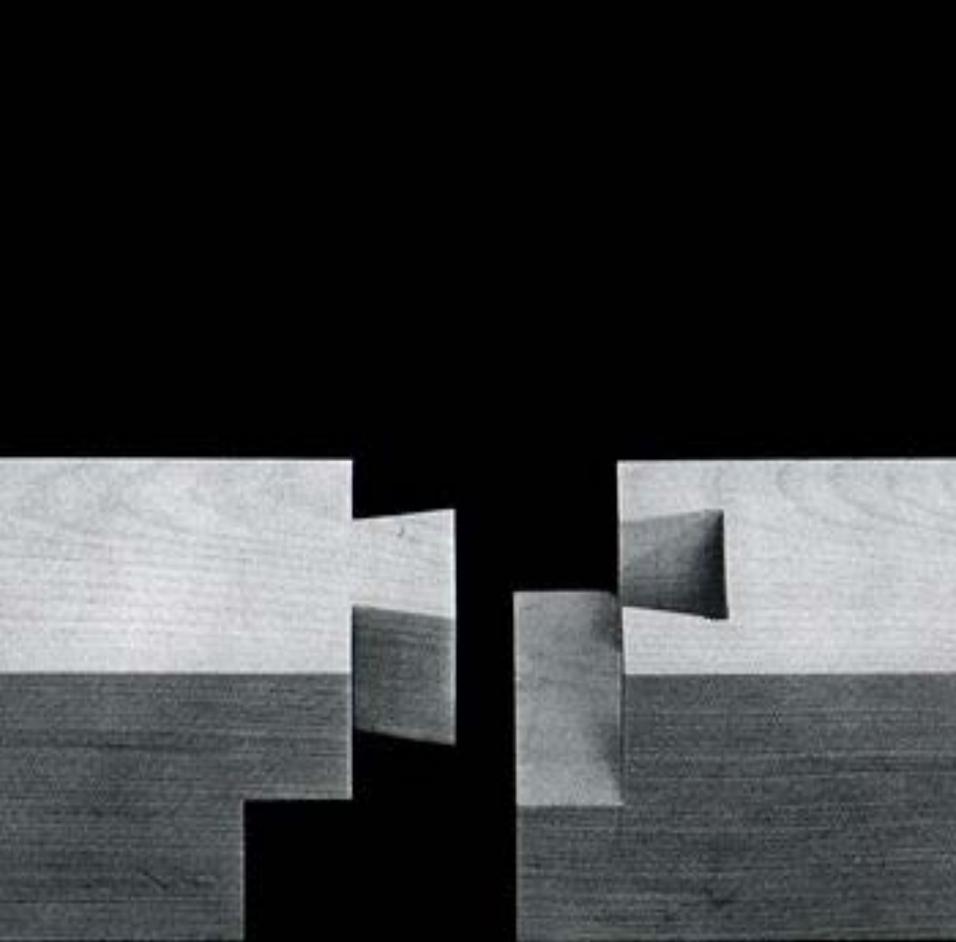
#5

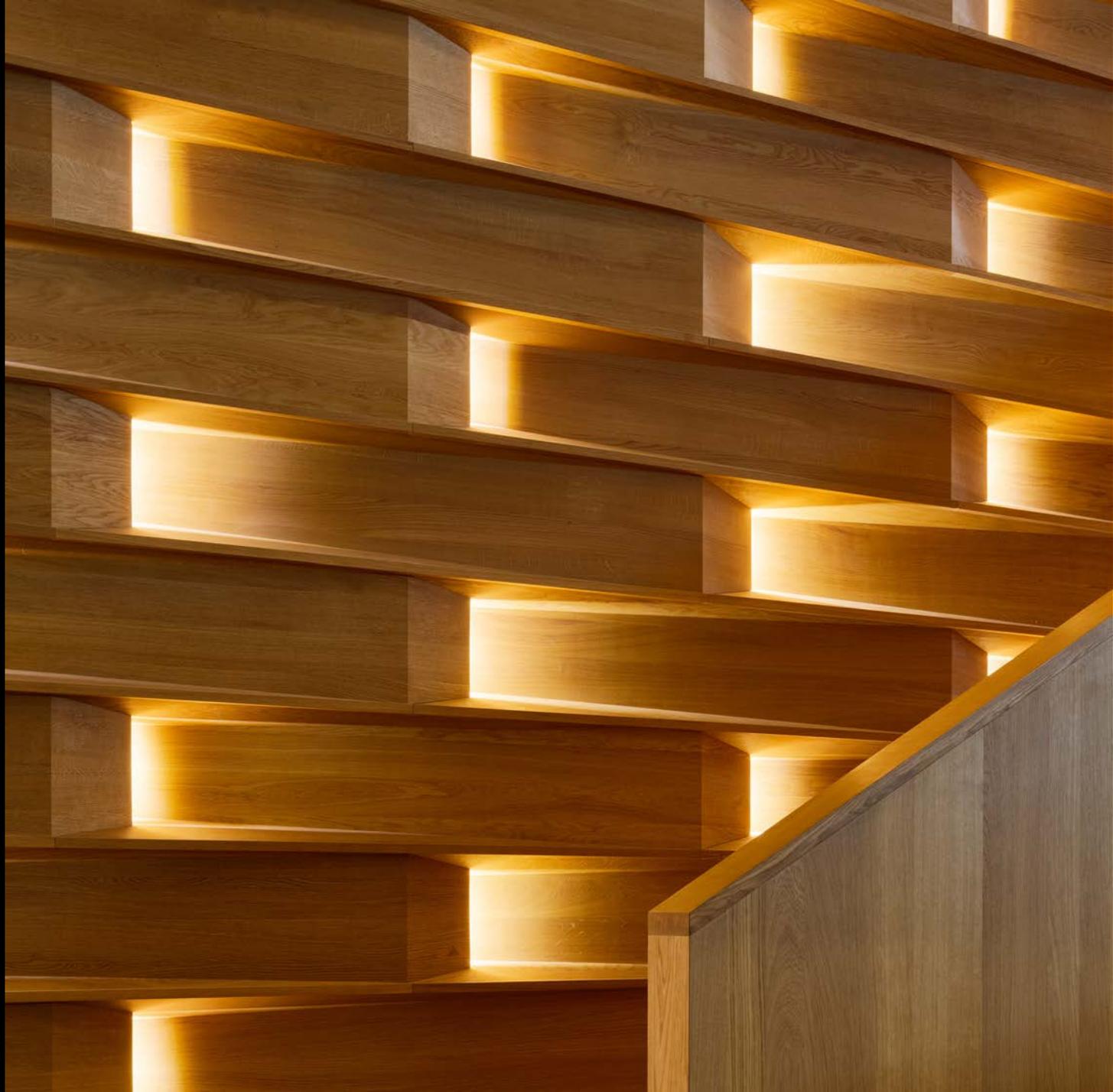


T

NAHT



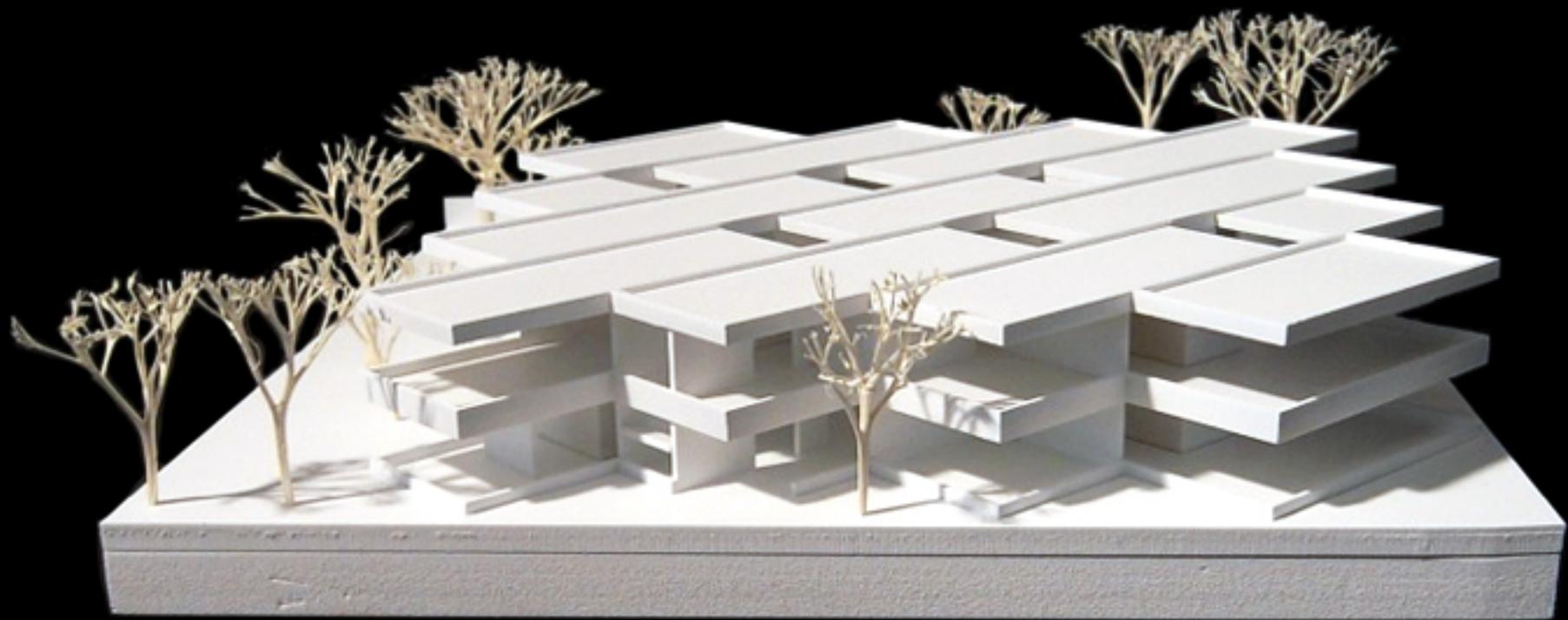




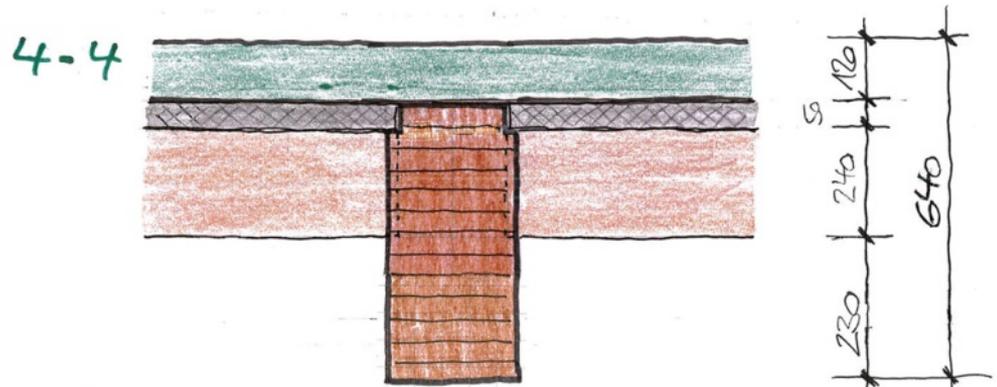
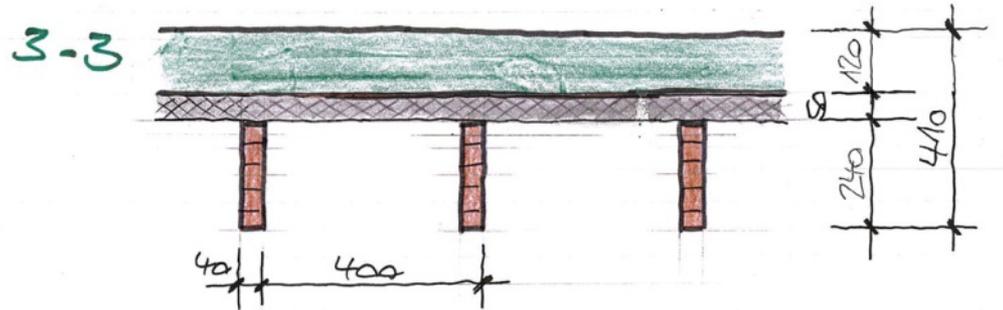
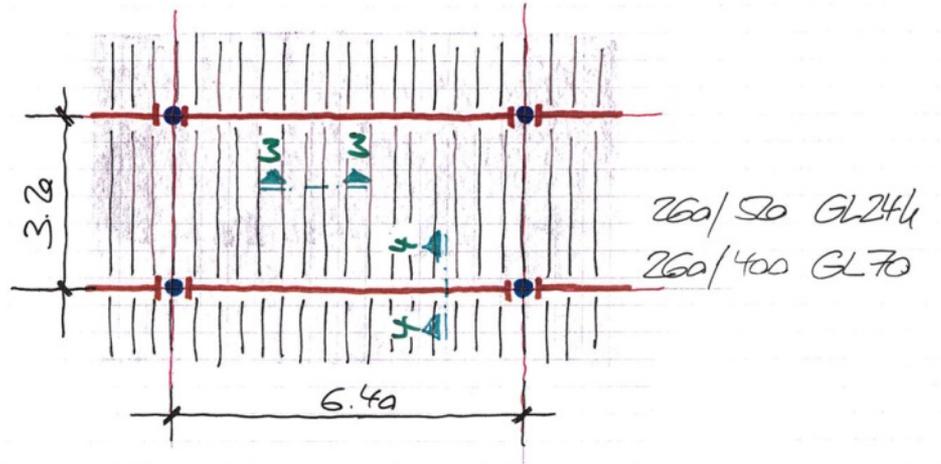


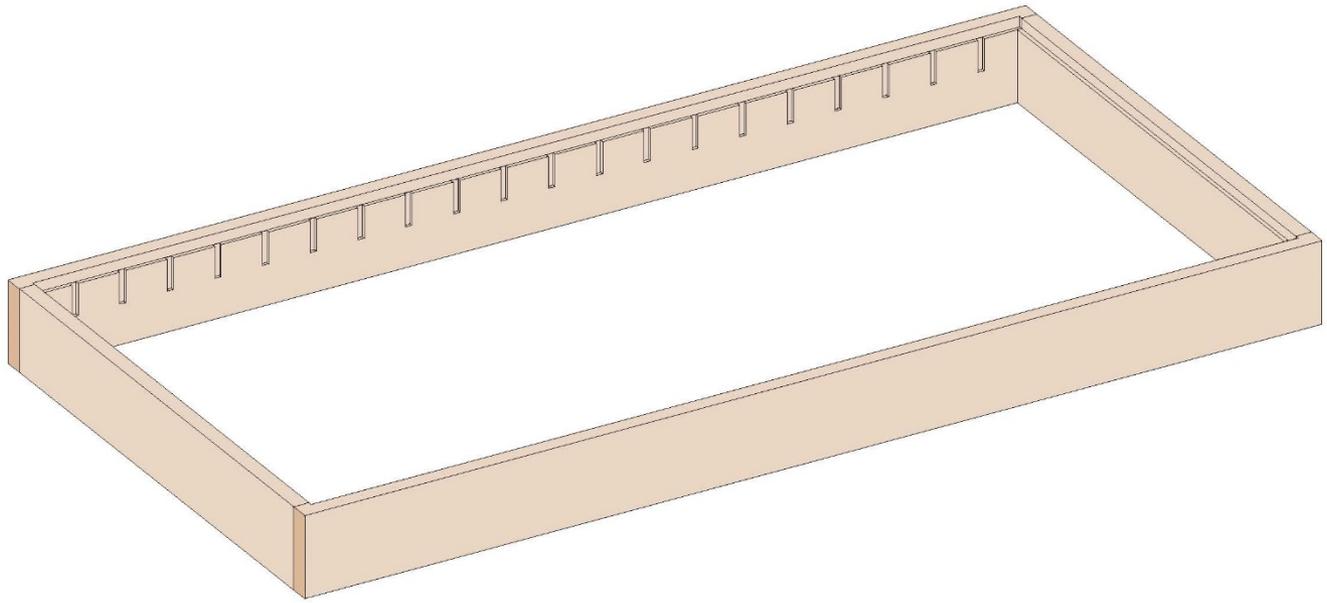


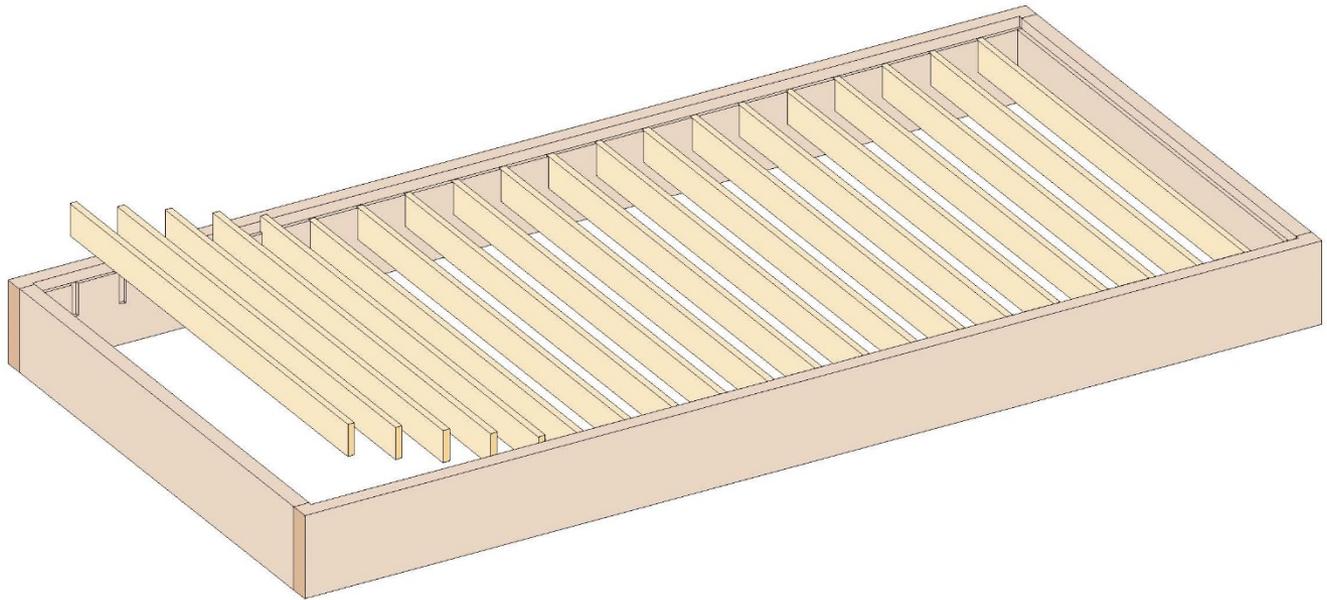


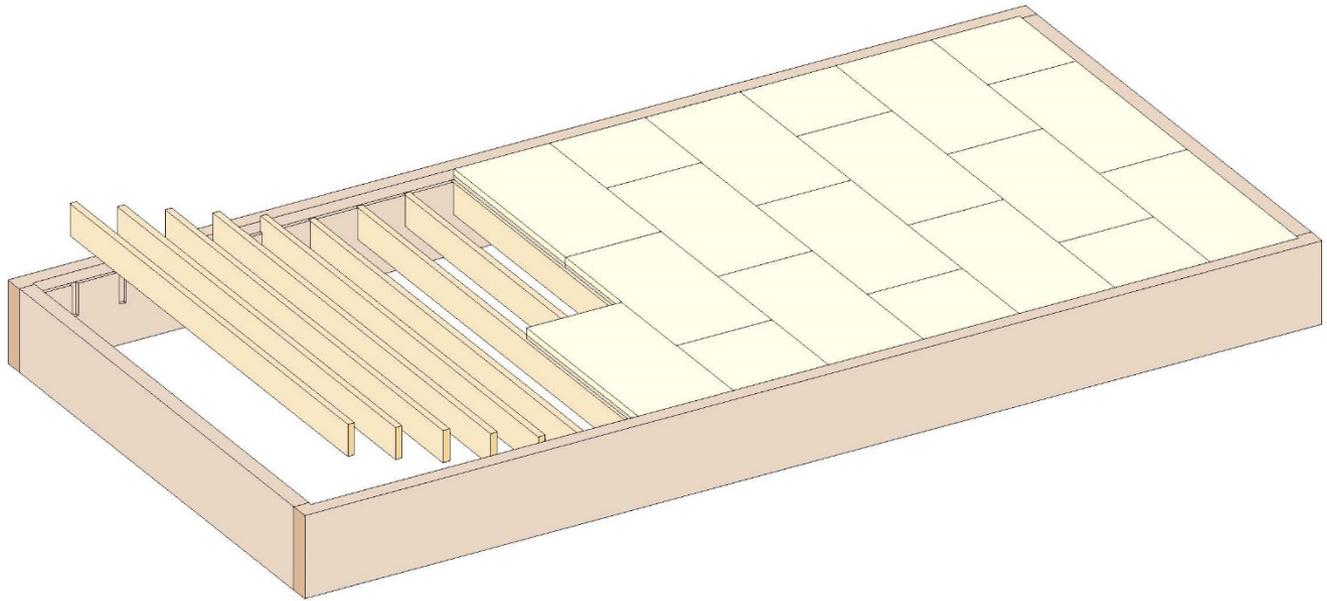


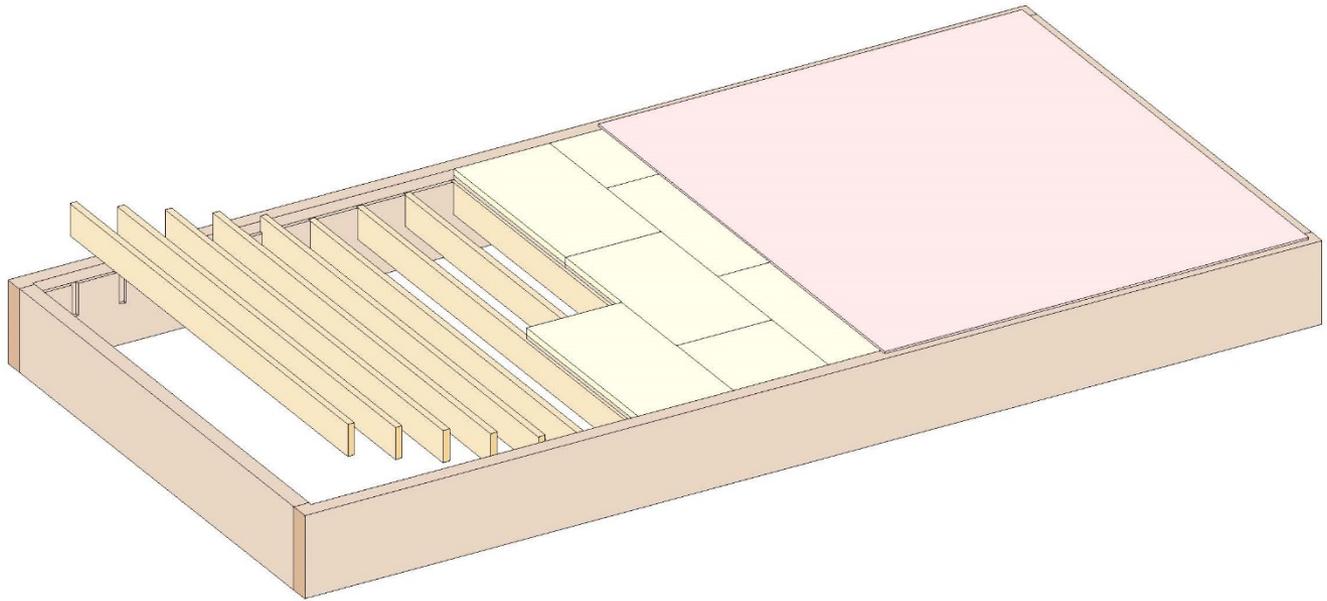
W+W,  
Assessment und Förderzentrum, Neuwied,  
Konzeptskizzen Deckenelemente



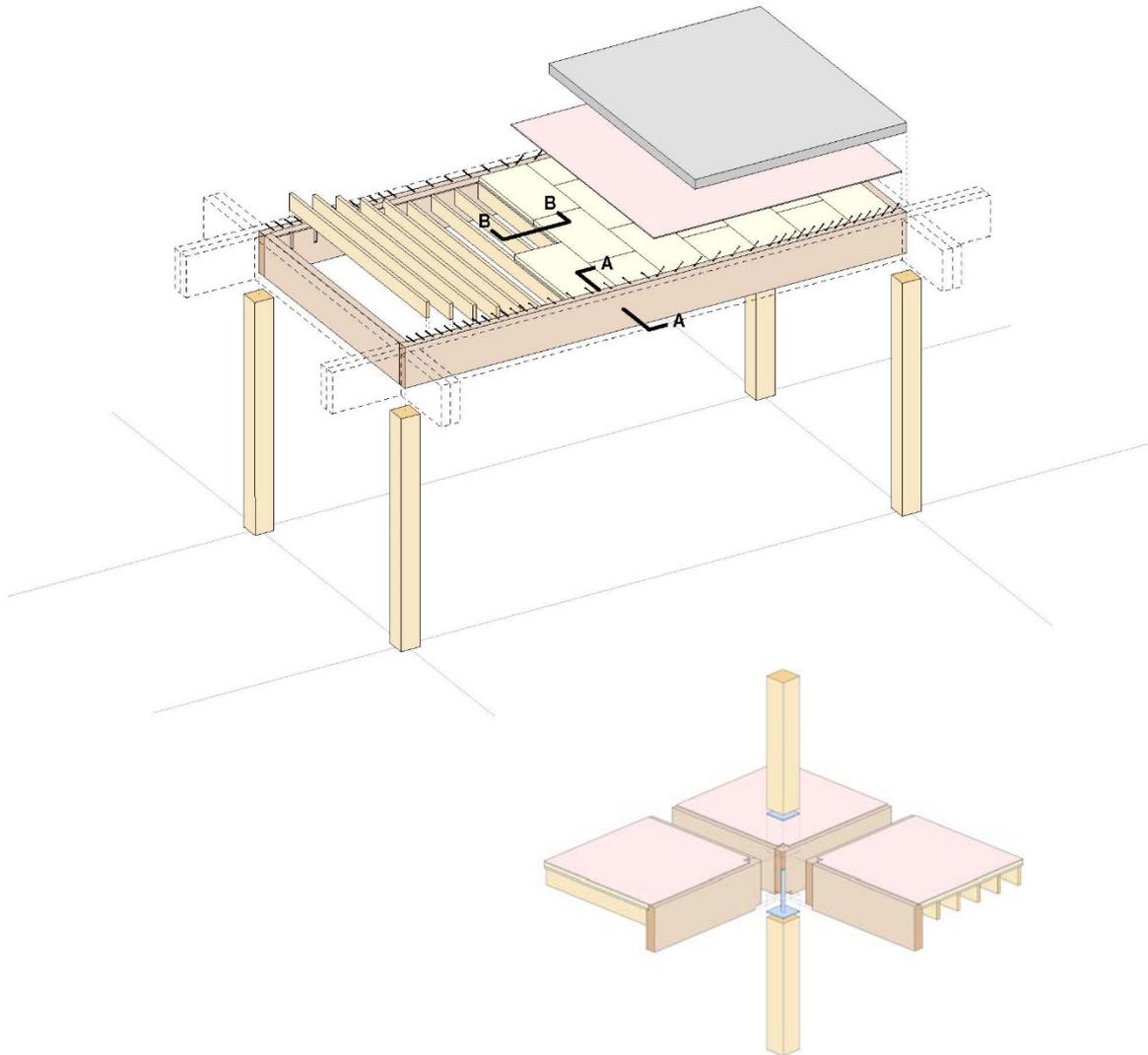




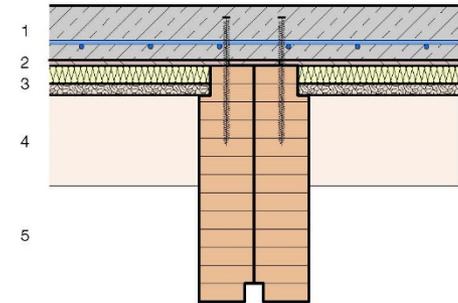




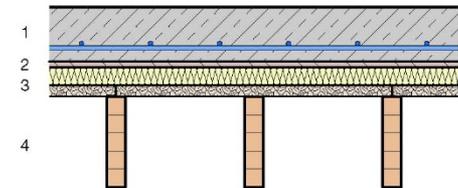
# Isometrie Tragkonstruktion



## Schnitt A-A

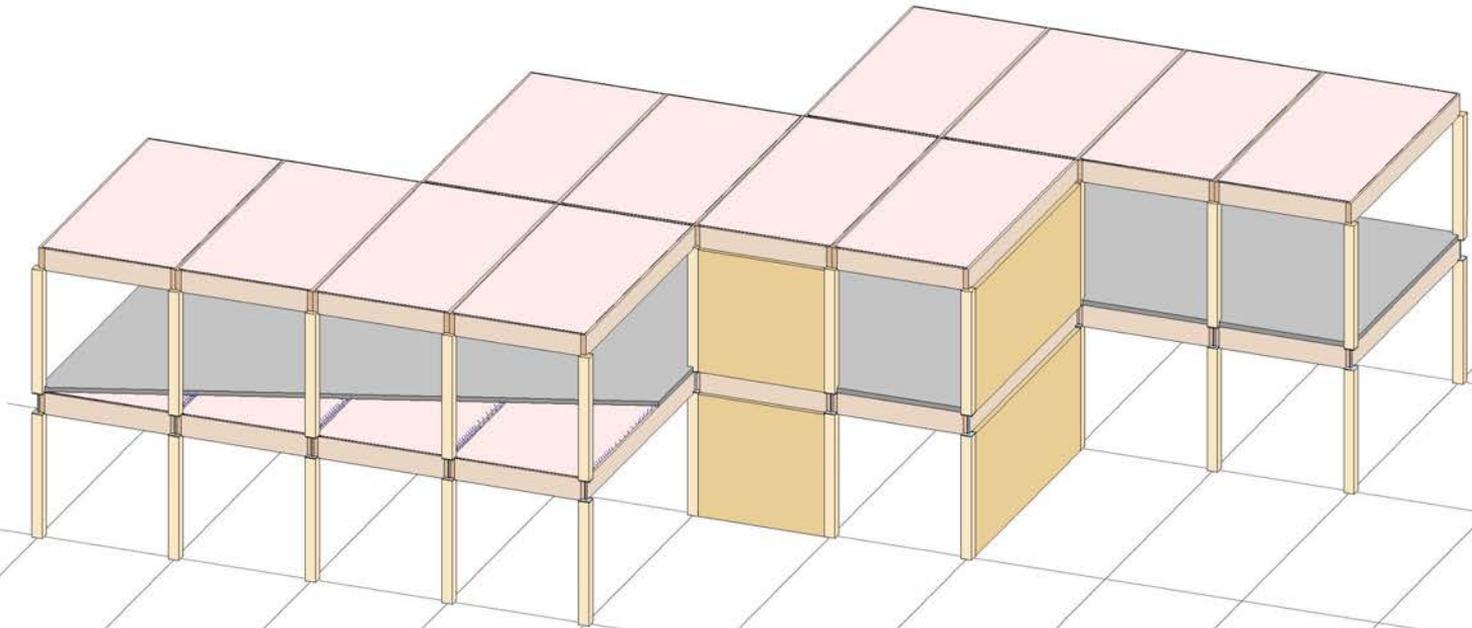


## Schnitt B-B



### Legende

- 1 Aufbeton C25/30, bewehrt
- 2 OSB/3, Verlegeplatte Nut+Feder
- 3 Holzwolle-Leichtbauplatte mit Mineralwolle
- 4 Rippen 40/200 GL24h, e=300 mm
- 5 Hauptträger 2x 120/520 GL24h







**EBK**

ENTWERFEN  
UND  
BAUKON-  
STRUKTION

W+W,  
Assessment und Förderzentrum, Neuwied





















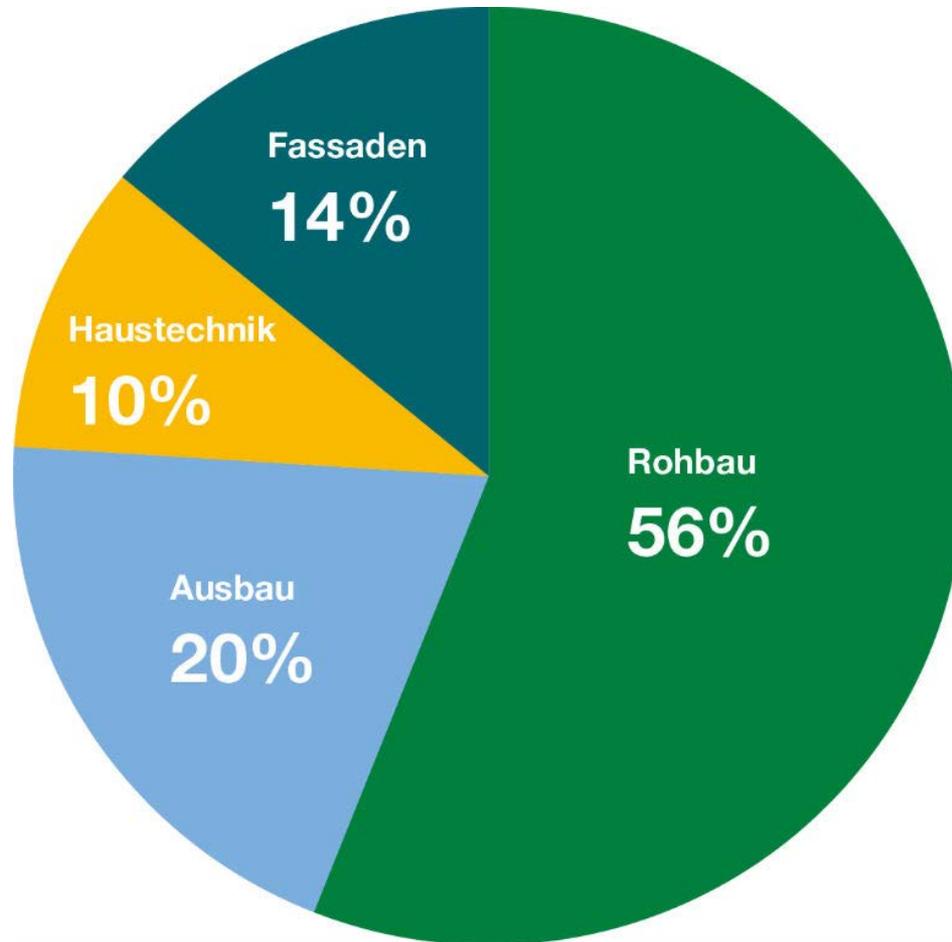
WAECHTER  
+ WAECHTER  
ARCHITEKTEN  
BDA





No. 06





## CO<sub>2</sub>-Emission

Die CO<sub>2</sub>-Bilanz bei der Herstellung fällt je nach Baustoff sehr unterschiedlich aus:



Abb. 3: Treibhausgaspotenzial in kg CO<sub>2</sub>-Äqv. bei der Herstellung

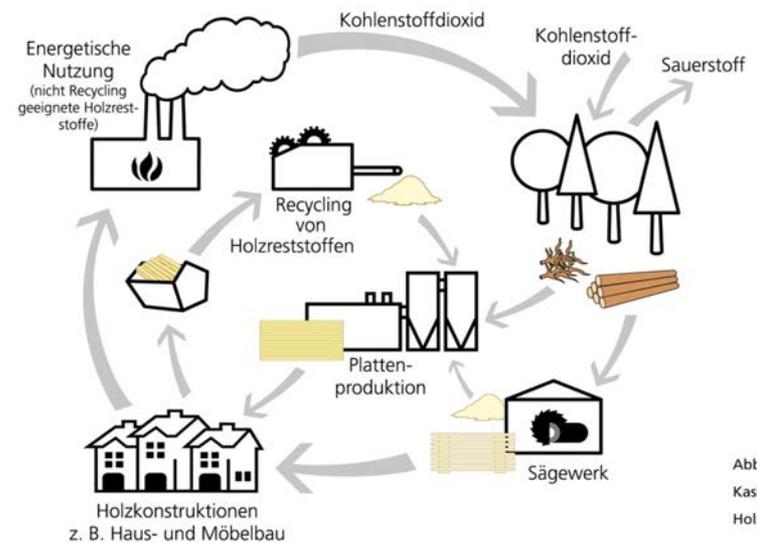
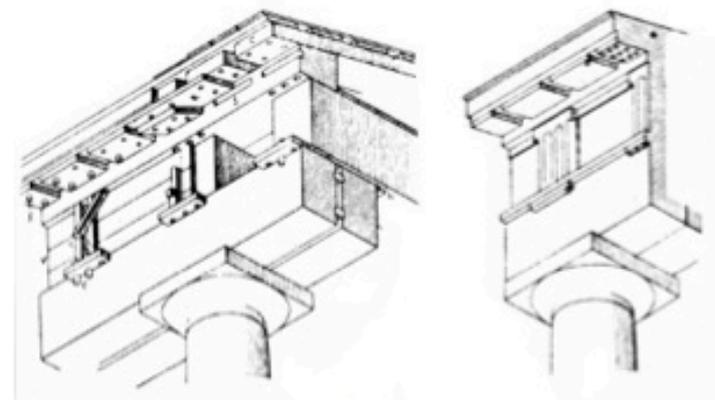
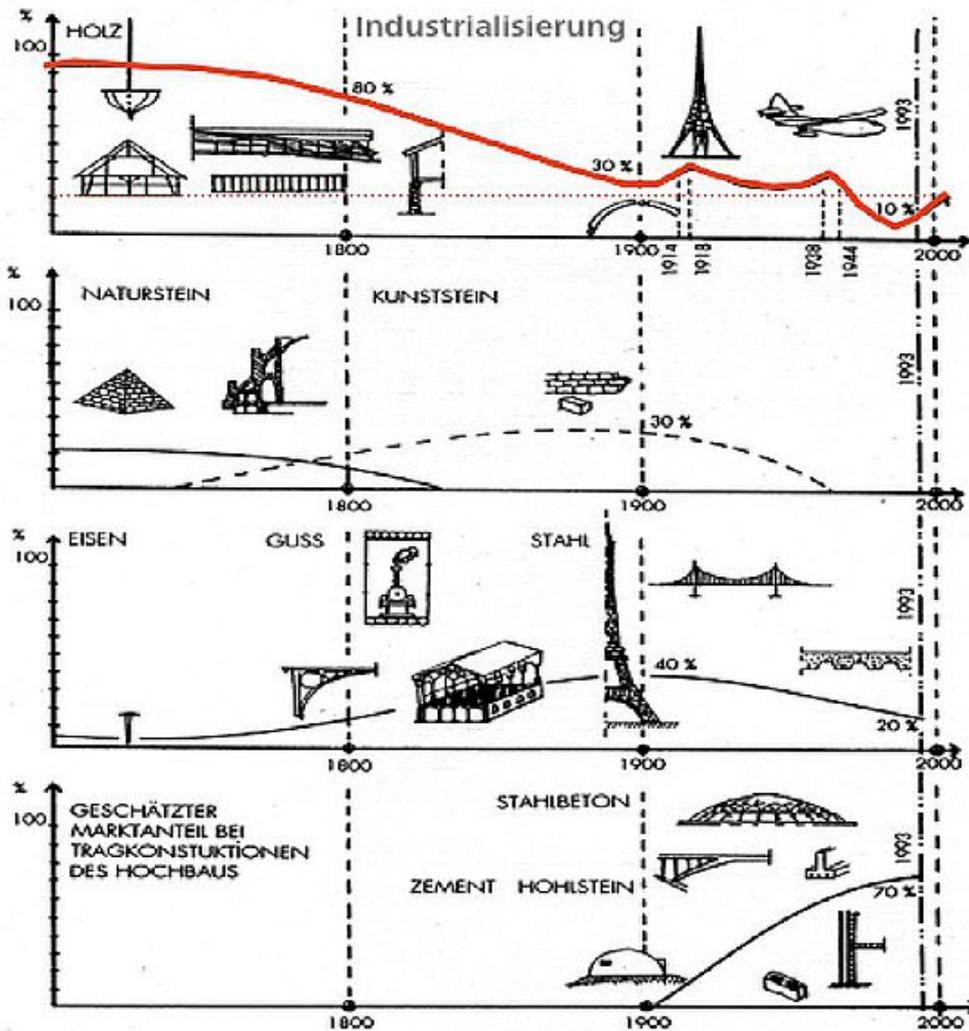
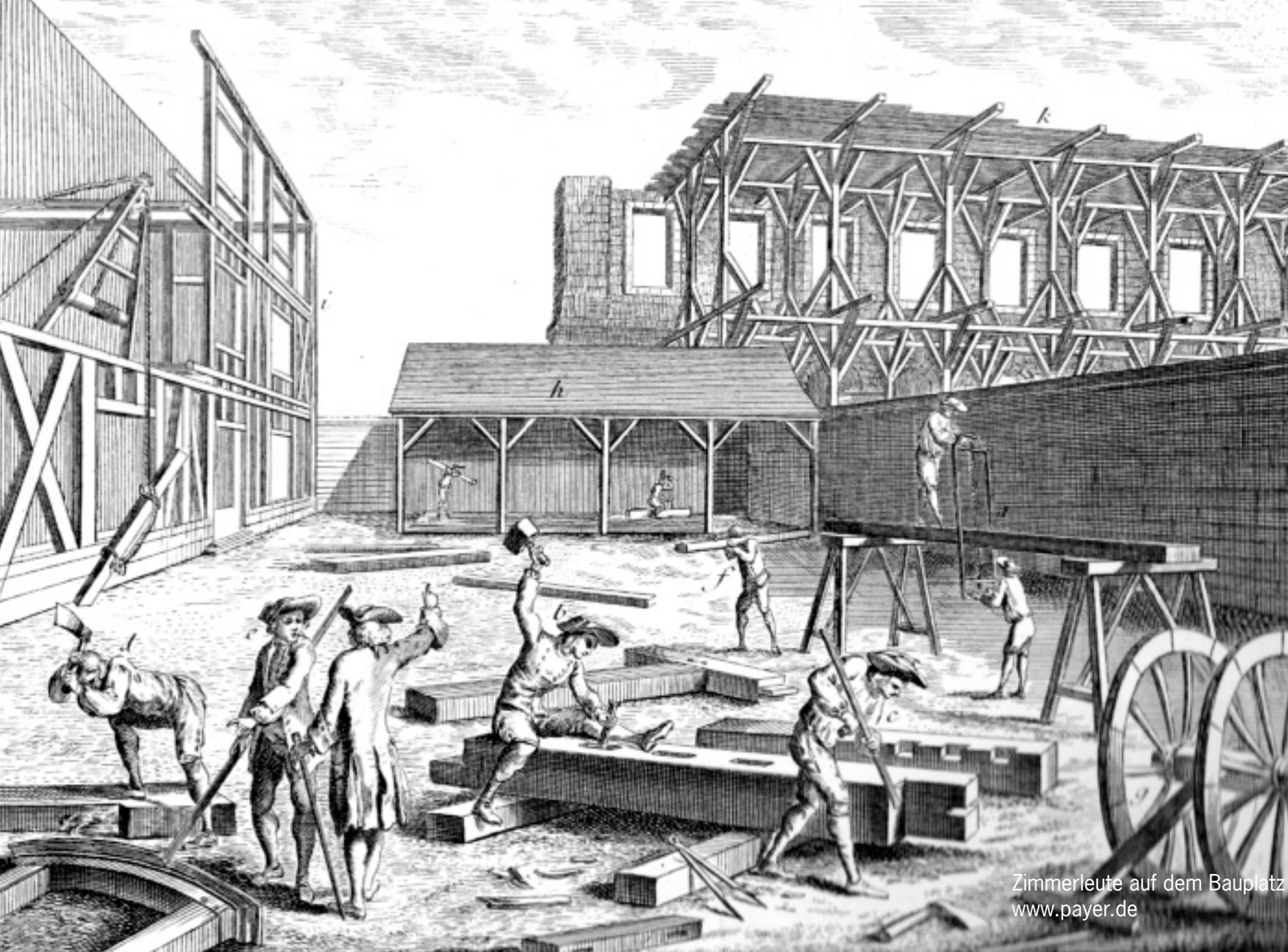


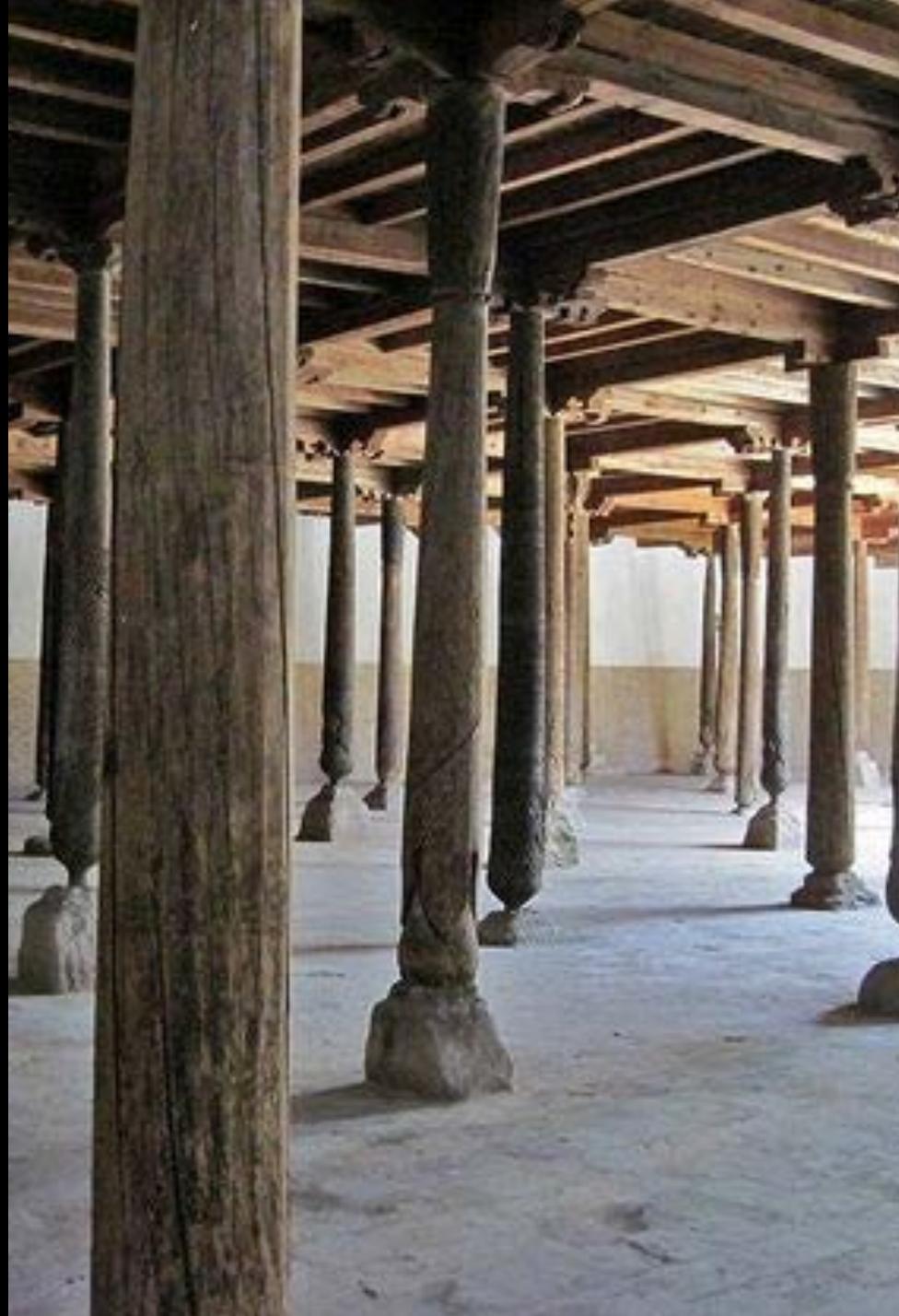
Abb. 1.4: Schema der Kaskadennutzung bei Holzprodukten

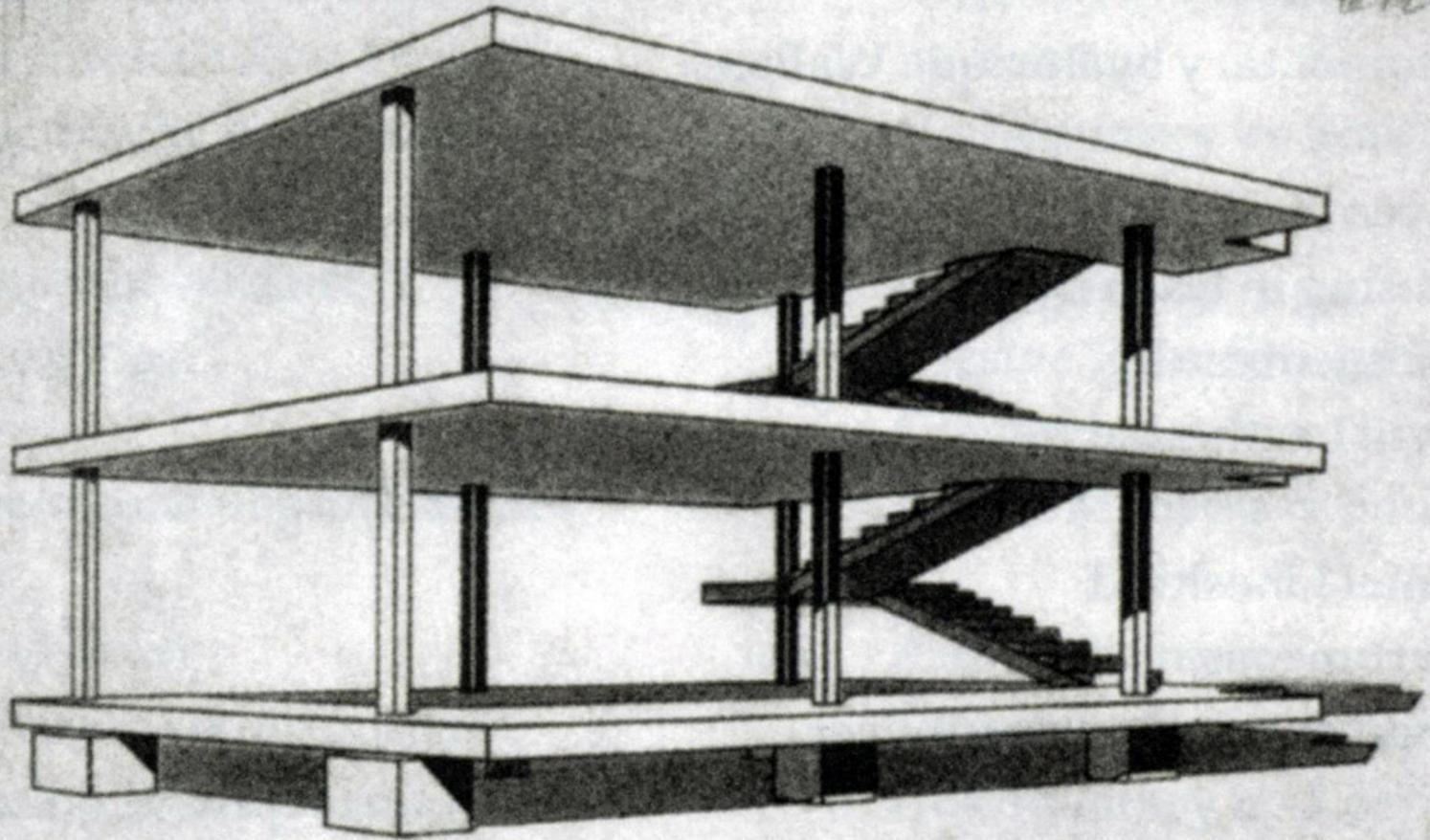


**3** Nachahmung oder *Mimese* eines ursprünglichen Holzbaus (links) im Steinbau (rechts) des antiken griechischen Tempels (nach Choisy).

# ENTWICKLUNG





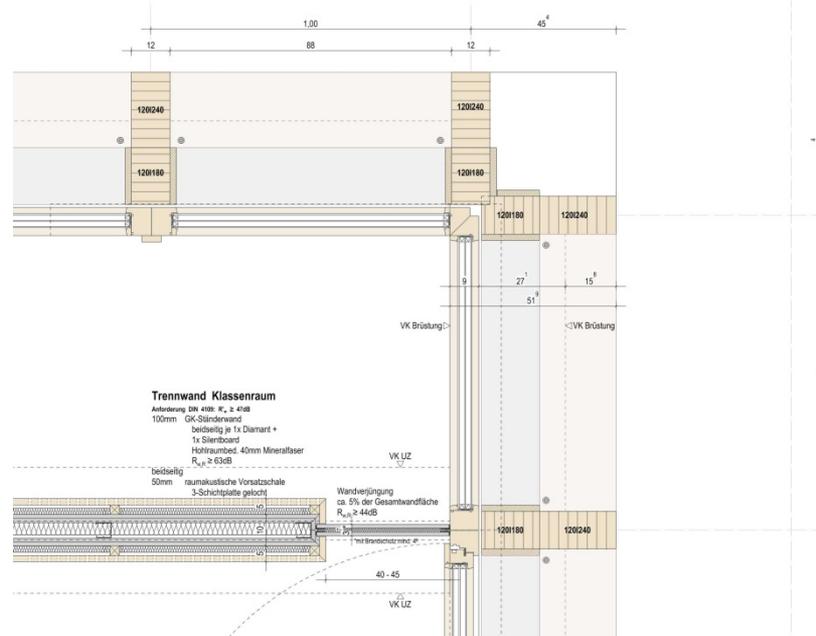
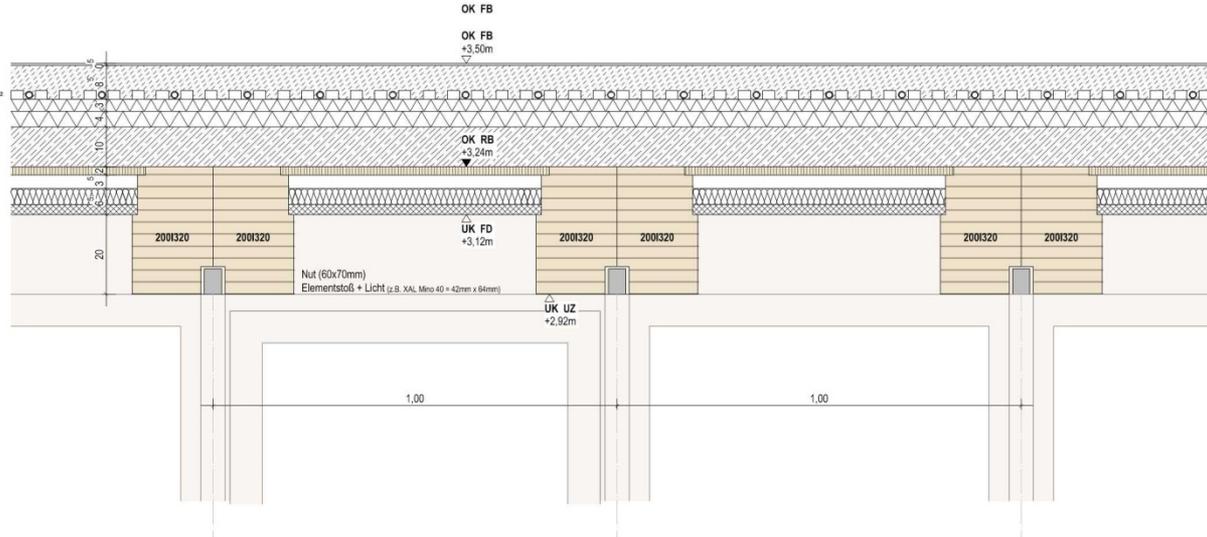


Le Corbusier,  
Haus Domino 1915





- 5mm Linoleum
- 85mm Calcium-Sulfat-Estrich als Heizestrich, schwimmend verlegt, 65mm über Heizschlangen,  $q=9\text{N/m}^2$
- 30mm Trittschalldämmung EPS als Verlegeplatte für Fußbodenheizung
- 40mm Ausgleichsschicht zur Leitungsverteilung
- 100mm Aufbeton
- 20mm OSB/3-Platte
- 65mm Verbund-Akustikplatte bestehend aus Holzwool-Akustikplatte,  $d=25\text{mm}$  und Mineralabsorber druckfest  $d=40\text{mm}$





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**ARCHITEKTEN**  
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Giotto di Bondone  
Die Vertreibung der Teufel aus Arezzo, 1297-99



Fra Angelico, L'Annunziata  
Cortona, 1430