REPAIRING THE URBAN-RURAL

Post-growth architectural approaches in urban-rural regions: a new repair school

Explore Lab Graduation Studio 2024-2025
Hai Tom Nguyen



First mentor: Christopher de Vries
Second mentor: Matthijs Klooster
Third mentor: Nikos Katsikis

STRUCTURE

1. **FASCINATION**
2. **RETHINKING**
3. **SITE**
4. **STRATEGY**
5. **REPANELLING**

STRUCTURE

1. **FASCINATION**
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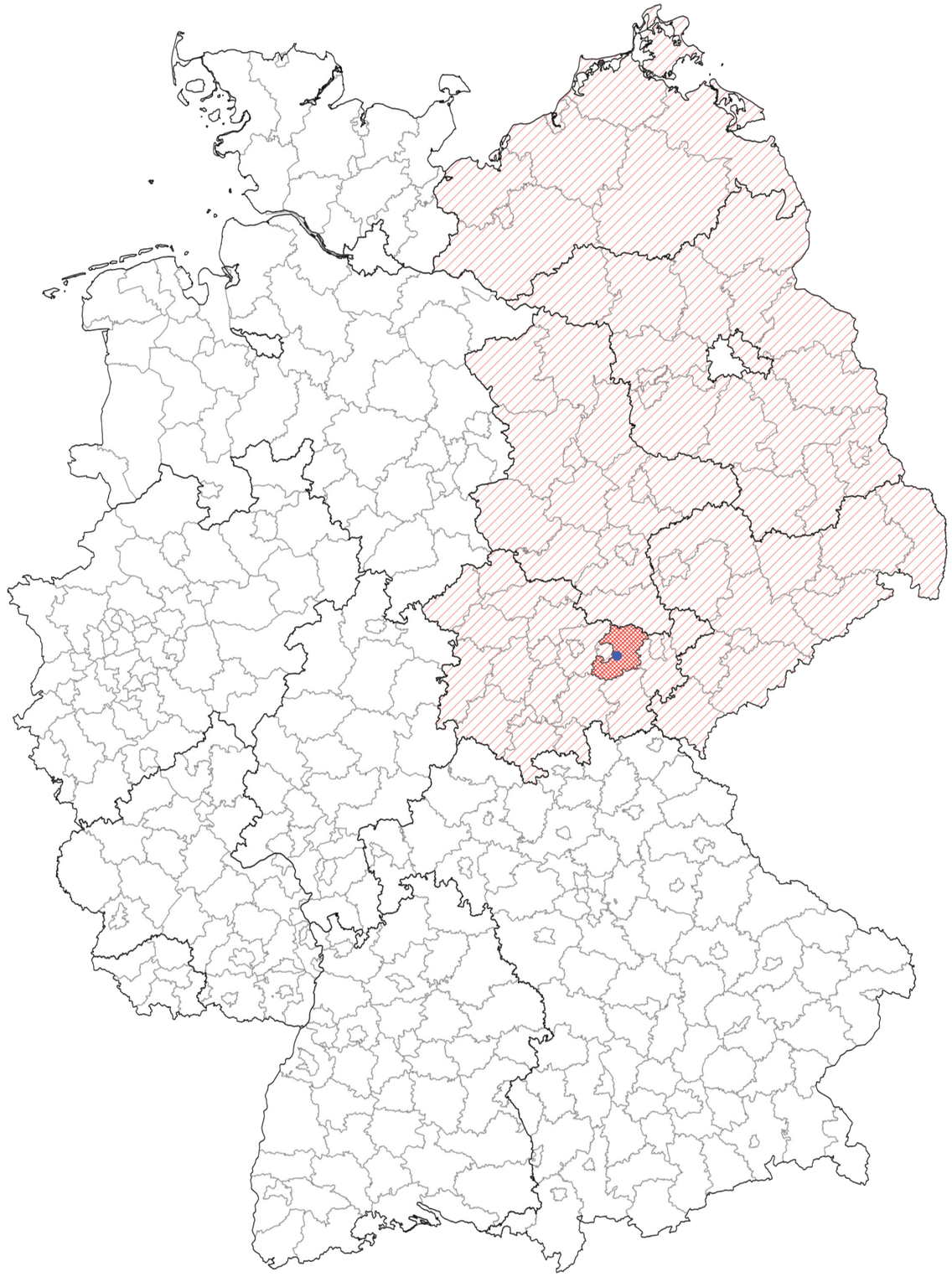



STADTRODA



The Ideal
by Kurt Tucholsky

Yes, you would like that:
a mansion in the green with a big terrace,
the baltic sea afront, behind the Friedrichstraße;
with a nice view, rurally-mundane,
from the bathroom, the zugspitze is visible -
you dont have to walk far to the cinema in the evening.

[..]

Every fortune bears a little mark.
We want to own so much: Own. Be. And Mean.
That someone has all of these things:
that is seldom.

(1927)

OSTTHÜRINGER Zeitung

Stadtroda: Abriss ohne Probleme und Komplikationen beendet

13.02.2018, 03:58 Uhr • Lesezeit: 2 Minuten

Von **Ute Flamich**



So sah es aus bereits wenige Stunden später aus, als die Abrissfirr

© Ute Flamich

Stadtroda. In der Neustädter Straße 8 in Stad
Abbrucharbeiten am einsturzgefährdeten Geb

OSTTHÜRINGER Zeitung

Rückblick 2023: Abrissarbeiten in Stadtroda laufen

27.12.2023, 22:17 Uhr • Lesezeit: 1 Minute

Von **Julia Grünler**



Mut zur (Bau)Lücke: Während die "runde Ecke", Hausnummer 8, in der Neustädter Straße von Stadtroda bereits in Schutt und Asche liegt, waren die Arbeiter gestern noch mit dem Abriss des Eckhauses Kreuzstraße 1 beschäftigt. Das Areal soll vorerst nicht

© Funke Medien Thüringen | Jana Scheiding

OSTTHÜRINGER Zeitung

Stadtroda schafft Platz für neue Wohnbebauung

20.07.2022, 16:30 Uhr • Lesezeit: 2 Minuten

Von **Frank Kalla**



nobilien beräumte Areal an der Klosterstraße in Stadtroda.

n Abriss der letzten beiden Ruinen in der Klosterstraße
tücke zusammen gefasst

News-reports on demolitions in Stadtroda

STRUCTURE

1. FASCINATION
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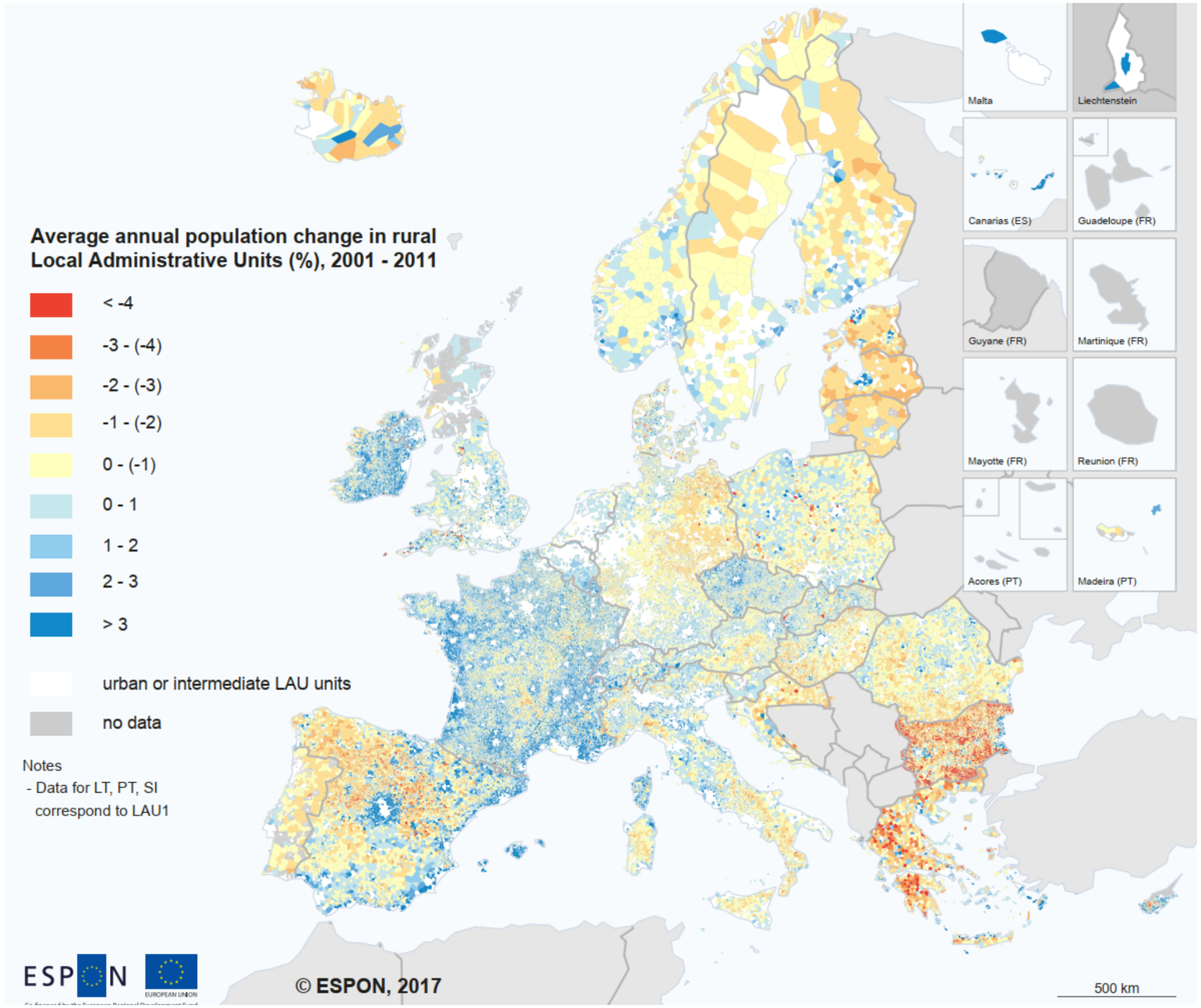
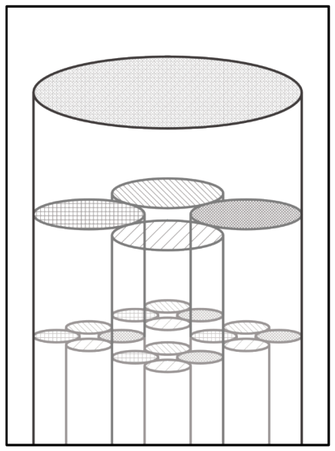
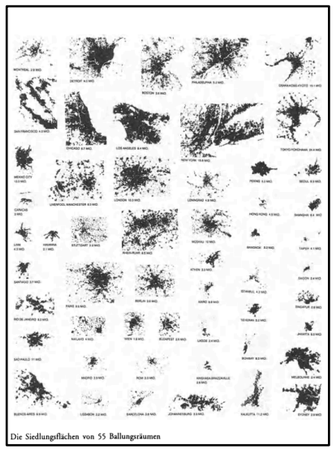
How can post-growth design frameworks help revitalize declining or stagnating urban-rural regions?

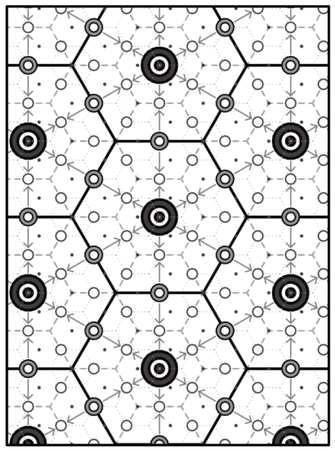

Average annual population change in rural Local Administrative Units (%), 2001 - 2011
< -4
-3 - (-4)
-2 - (-3)
-1 - (-2)
0 - (-1)
0 - 1
1 - 2
2 - 3
> 3
urban or intermediate LAU units
no data
Notes
- Data for LT, PT, SI correspond to LAU1
Malta
Liechtenstein
Canarias (ES)
Guadeloupe (FR)
Guyane (FR)
Martinique (FR)
Mayotte (FR)
Reunion (FR)
Acores (PT)
Madeira (PT)
ESPON
EUROPEAN UNION
© ESPON, 2017
500 km



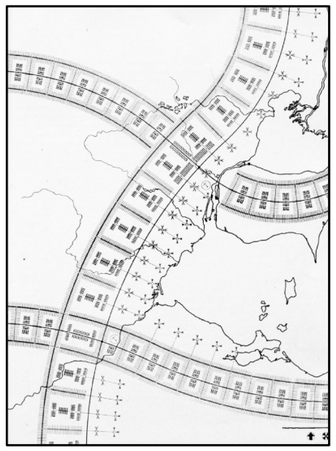
Stadtlandschaft
Rudolf Schwarz



Zwischenstadt
Thomas Sieverts



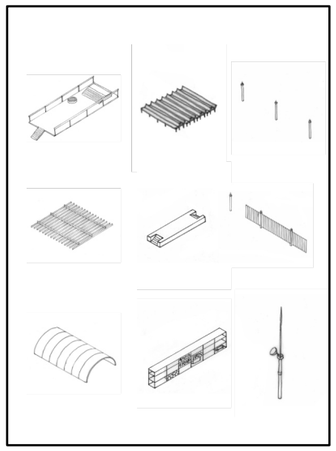
Central Places
Walter Christaller



The new regional pattern
Ludwig Hilberseimer



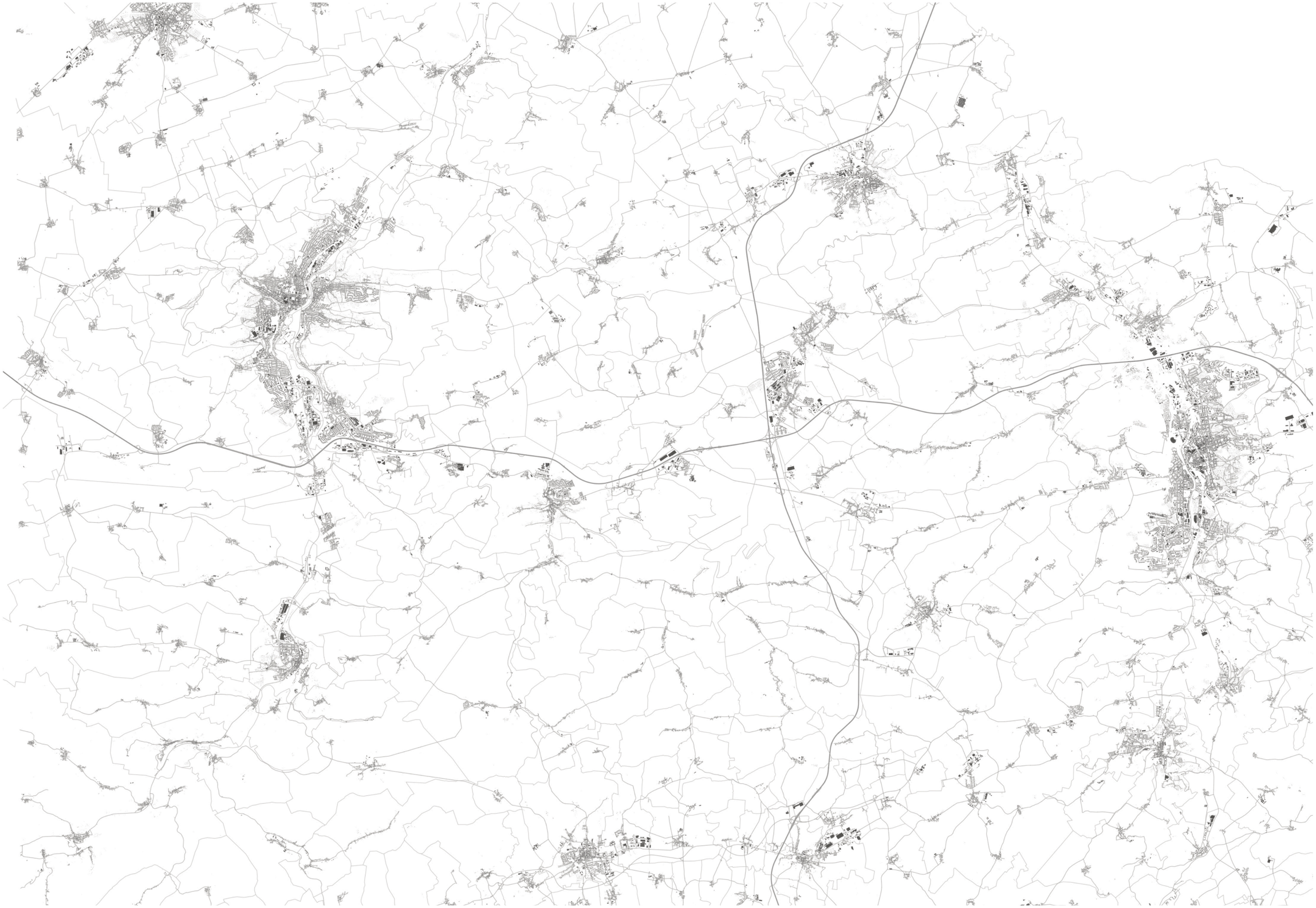
The horizontal metropolis
Paola Viganò

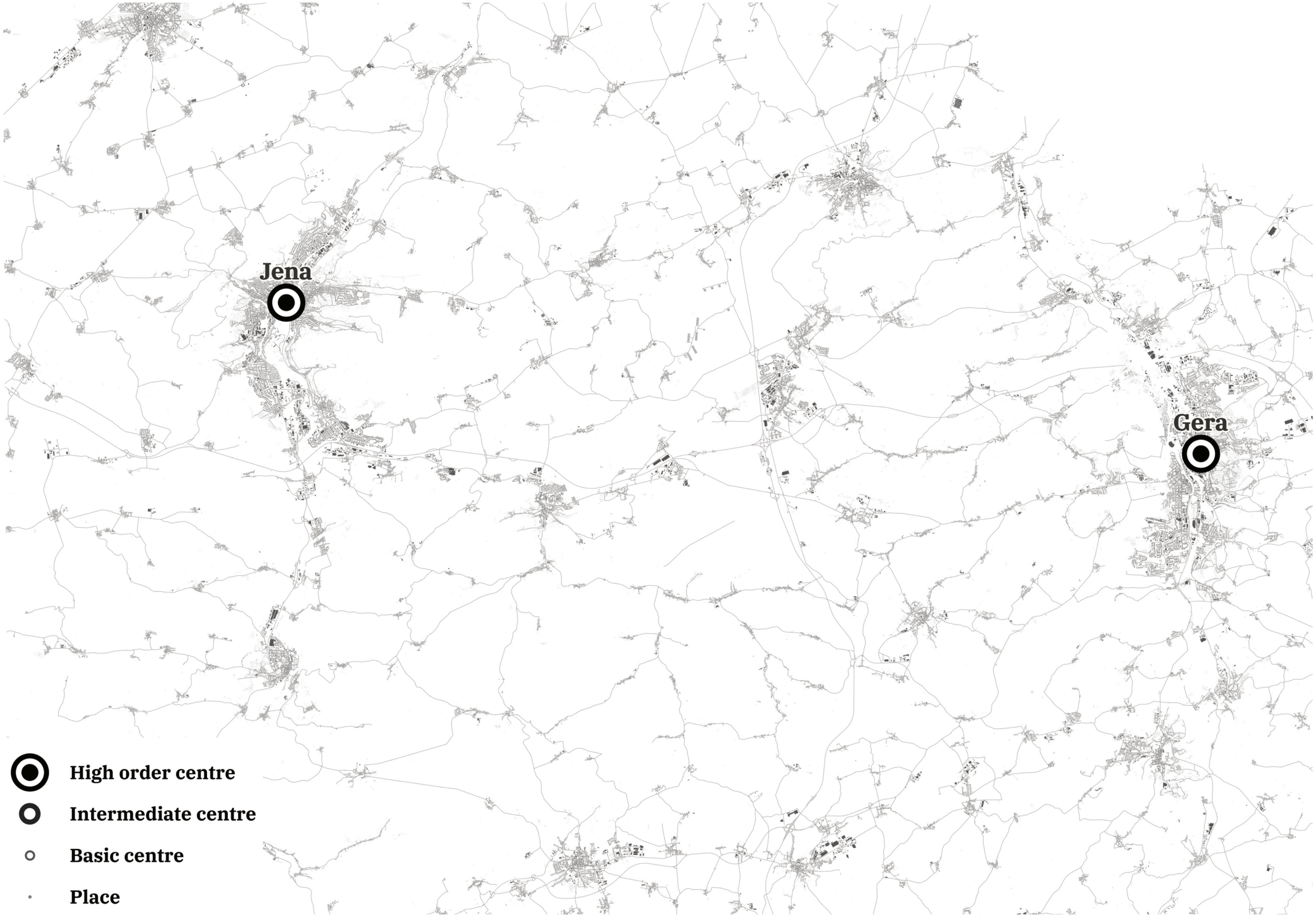


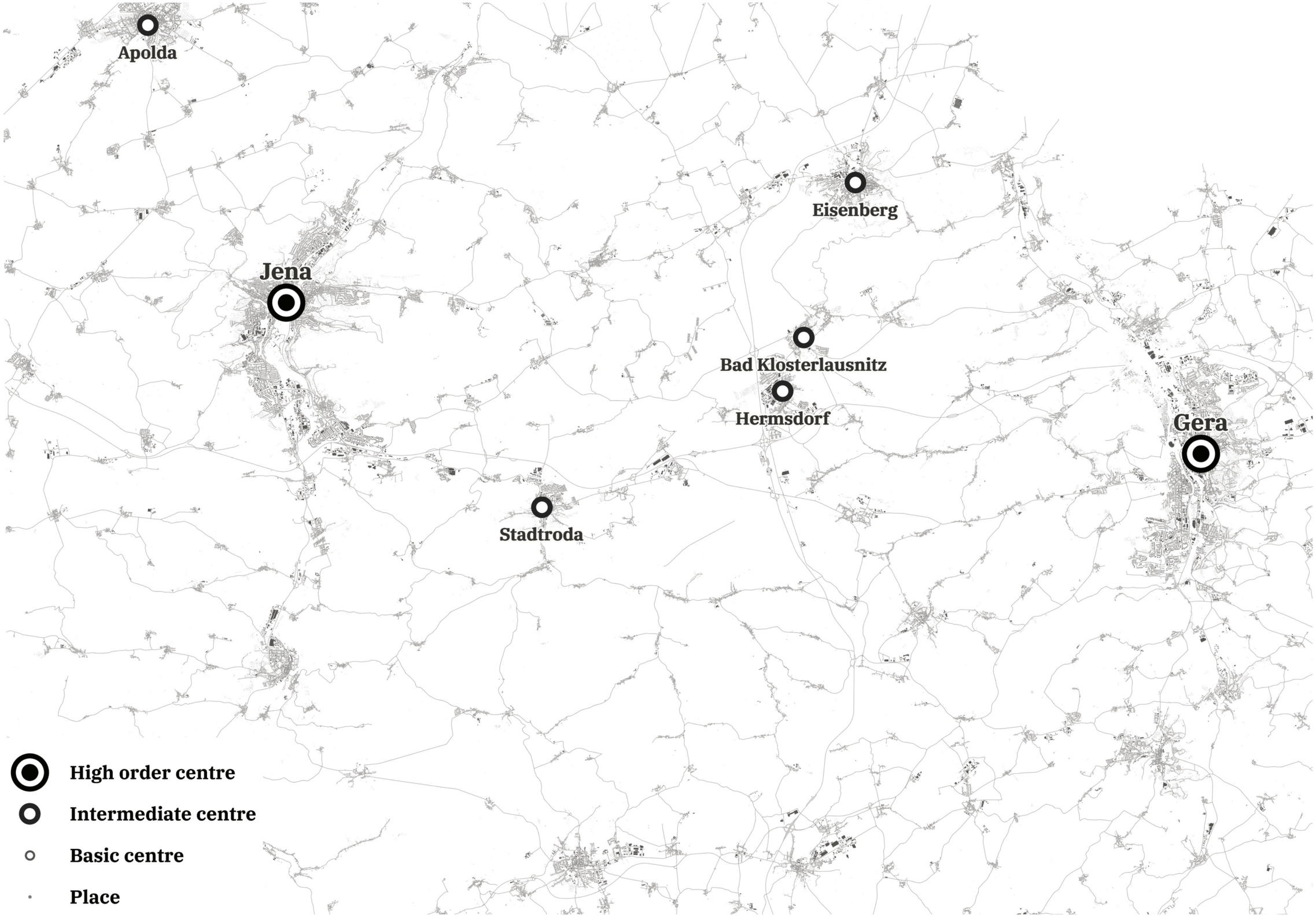
Weak urbanization
Andrea Branzi

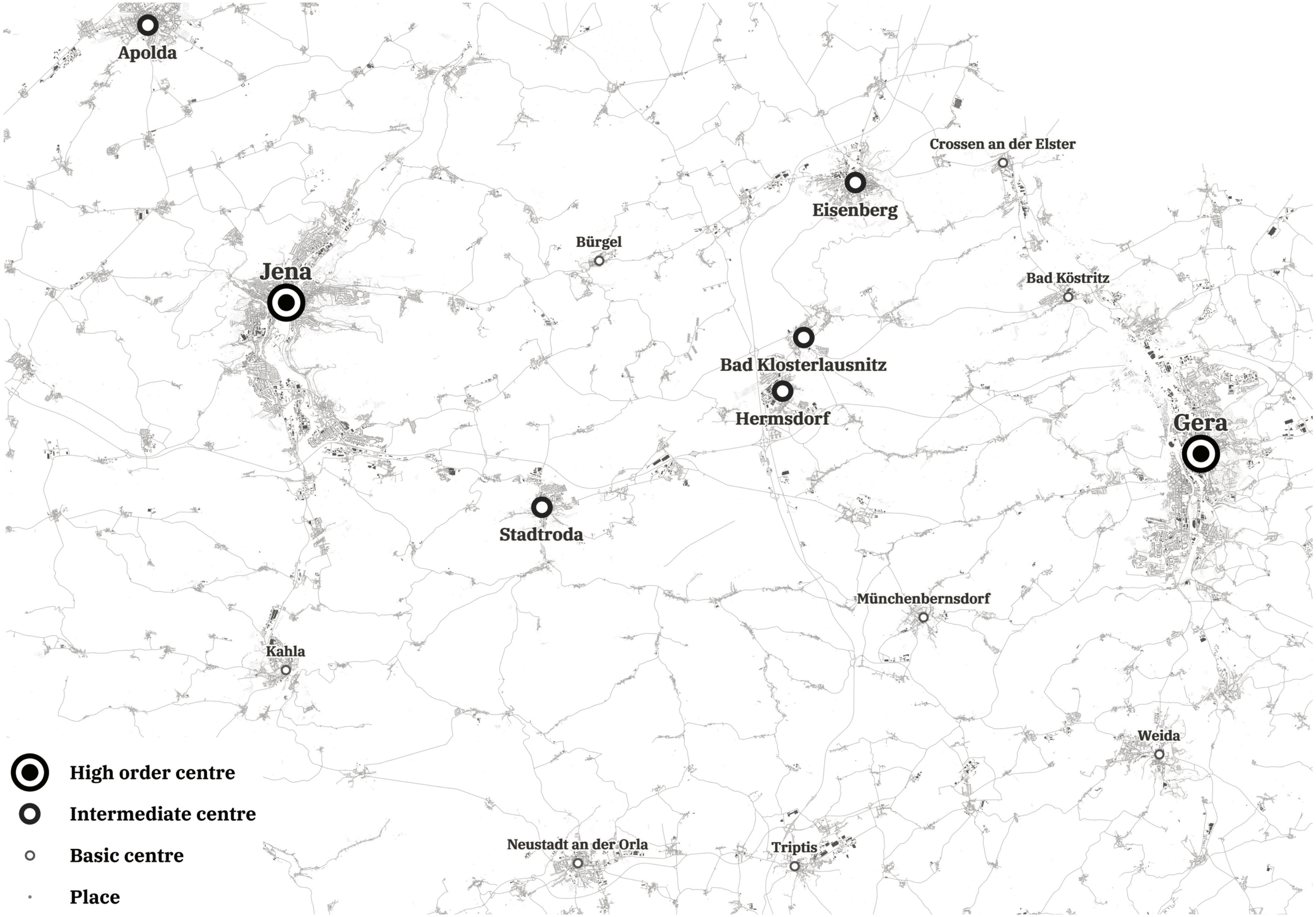


STADTRODA as a case study

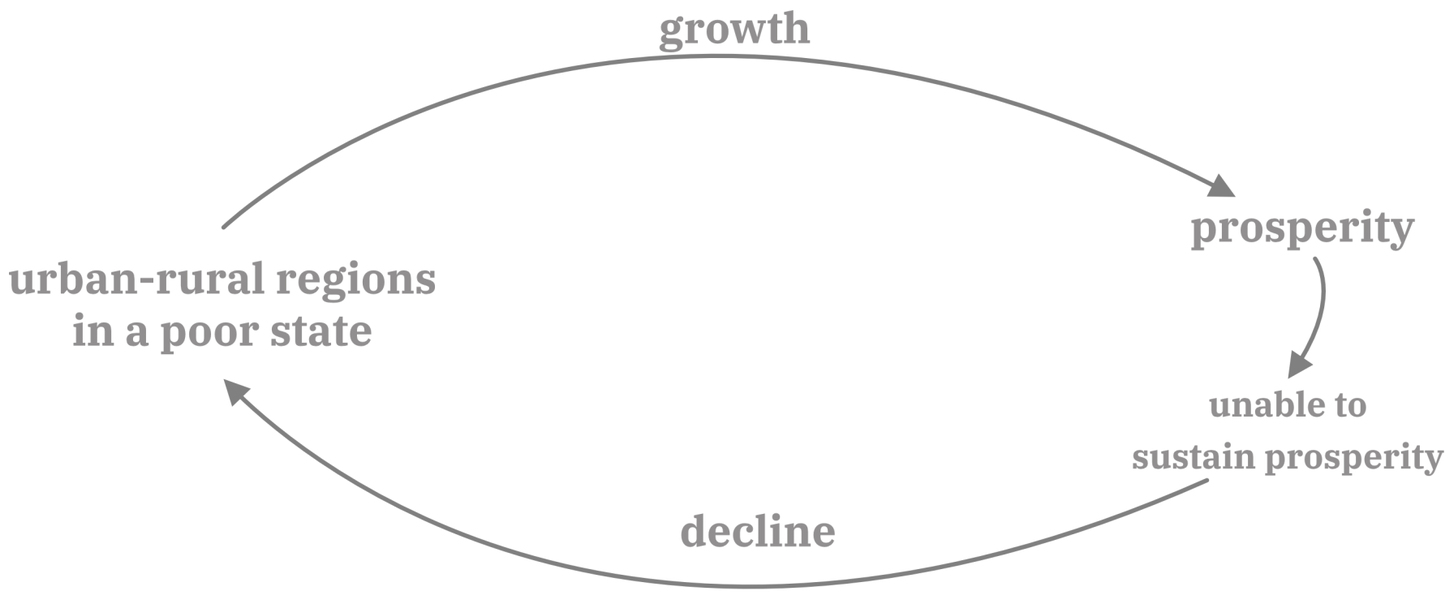



Jena
Gera
High order centre
Intermediate centre
Basic centre
Place


Apolda
Jena
Eisenberg
Bad Klosterlausnitz
Hermsdorf
Gera
Stadtroda
High order centre
Intermediate centre
Basic centre
Place


Apolda
Jena
Bürgel
Eisenberg
Crossen an der Elster
Bad Köstritz
Bad Klosterlausnitz
Hermsdorf
Gera
Stadtroda
Münchenbernsdorf
Kahla
Weida
Neustadt an der Orla
Triptis
High order centre
Intermediate centre
Basic centre
Place

VICIOUS CYCLE OF GROWTH-ORIENTED DEVELOPMENT



POST-GROWTH DEVELOPMENT



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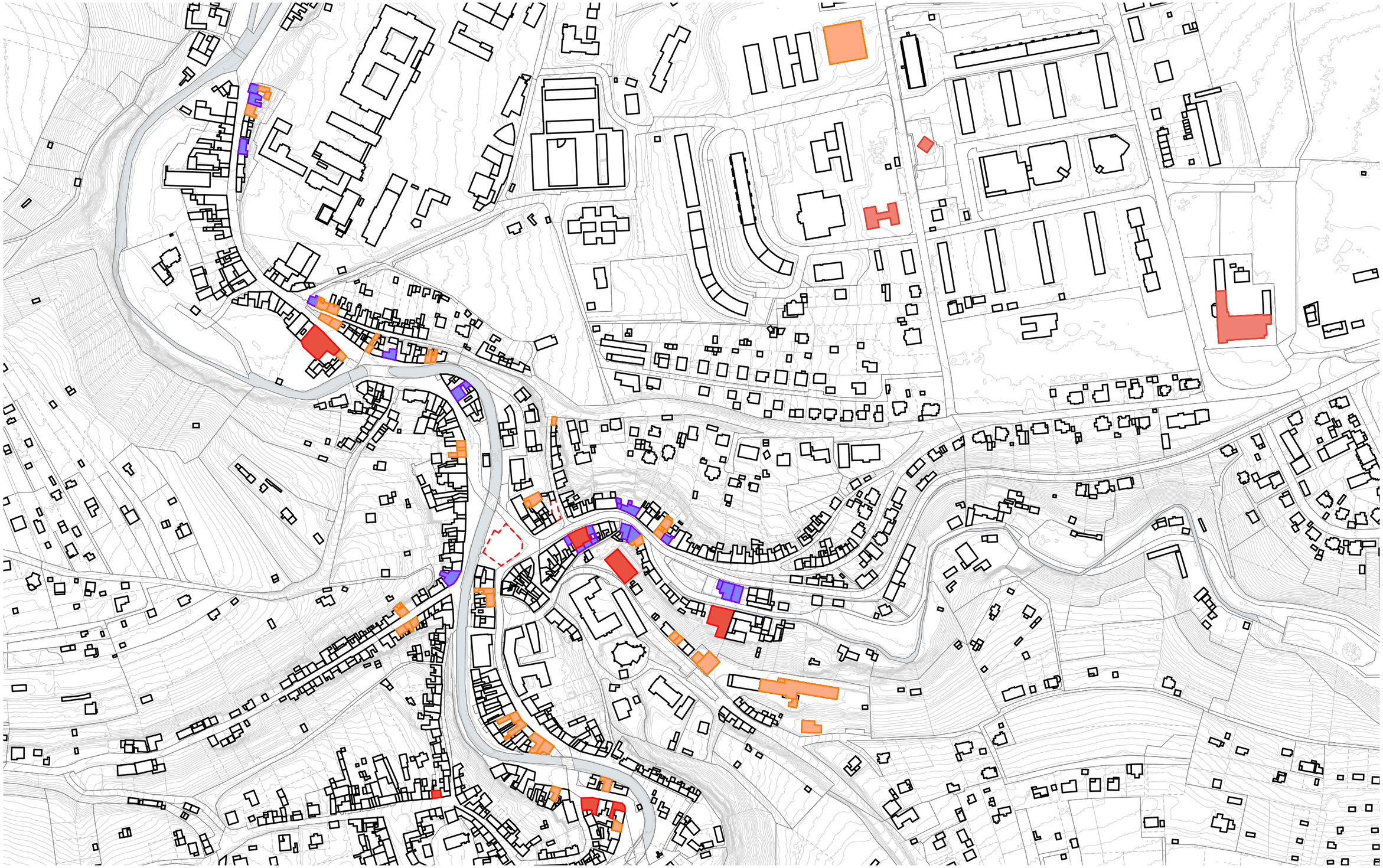

DEMOLISHED, BUT "REPURPOSED"

DEMOLISHED

SCHEDULED DEMOLITON

DILAPIDATED

VACANT








DÖNER - KEBAB - PIZZA
NUDELN
PIZZA
SALATE



















DAZO-KEBAB-PIZZA
NUDELN
PIZZA
SALATE
Lieferservice
03 64 28 - 6 22 0
OFFNUNGSZEITEN
Montag bis Samstag
Sonntag


SULO


















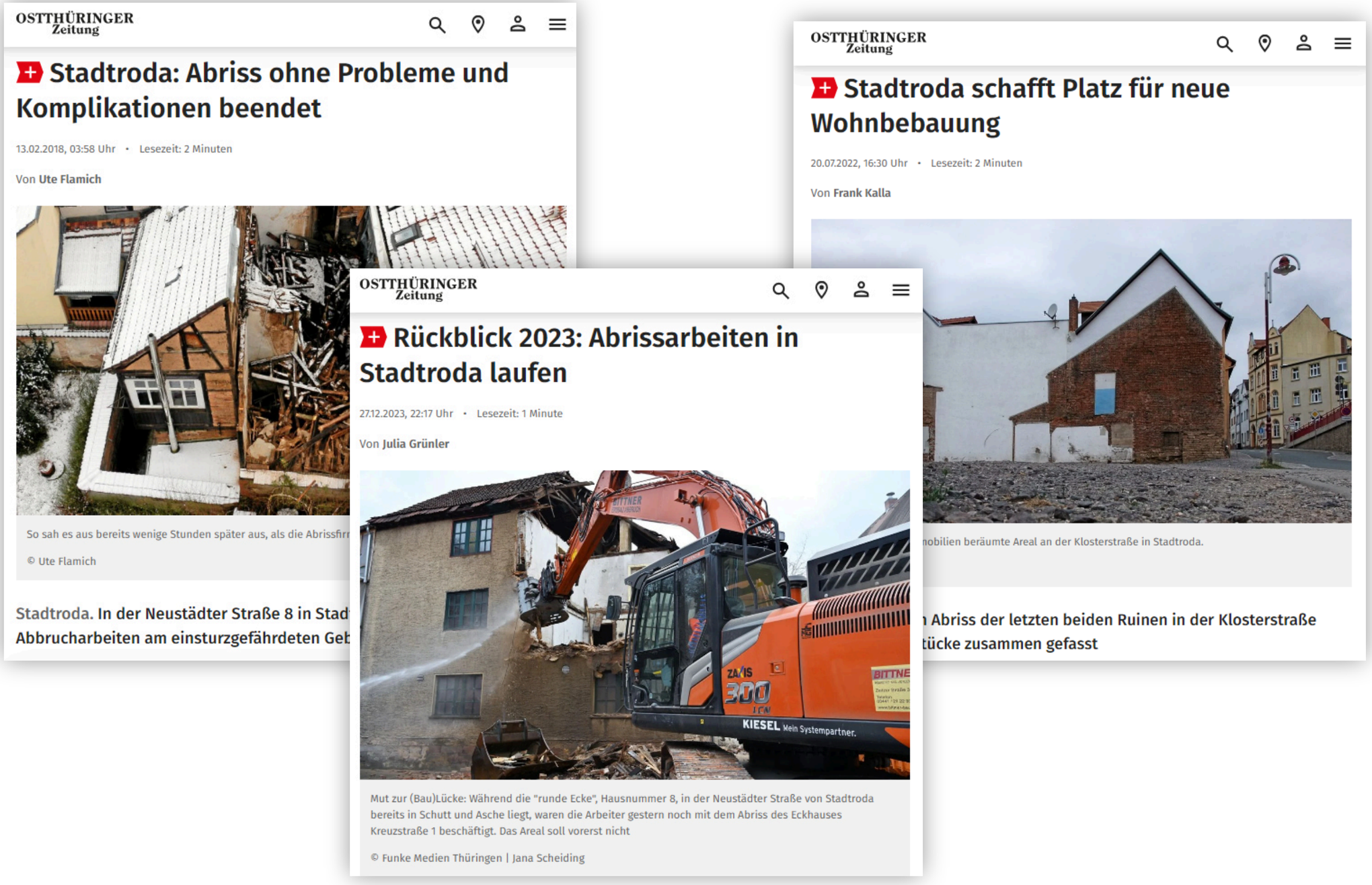

News-reports on demolitions in Stadtroda


SRO DA


Am Sand



URBAN RURAL REGIONS ARE IN NEED OF FIXING!



STRUCTURE

1. FASCINATION
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4. **STRATEGY**
5. REPANELLING


SWEAT








CBOX



used polycarbonate panels



sourced from	Rodeca Systems BV
reused as	sauna façade
dimensions	3000 mm x 600 mm x 50 mm
amount	28 pcs

rented concrete formwork



sourced from	Peri Company
reused as	main structure
dimensions	various sizes
amount	58 pcs

used corrugated roof sheets

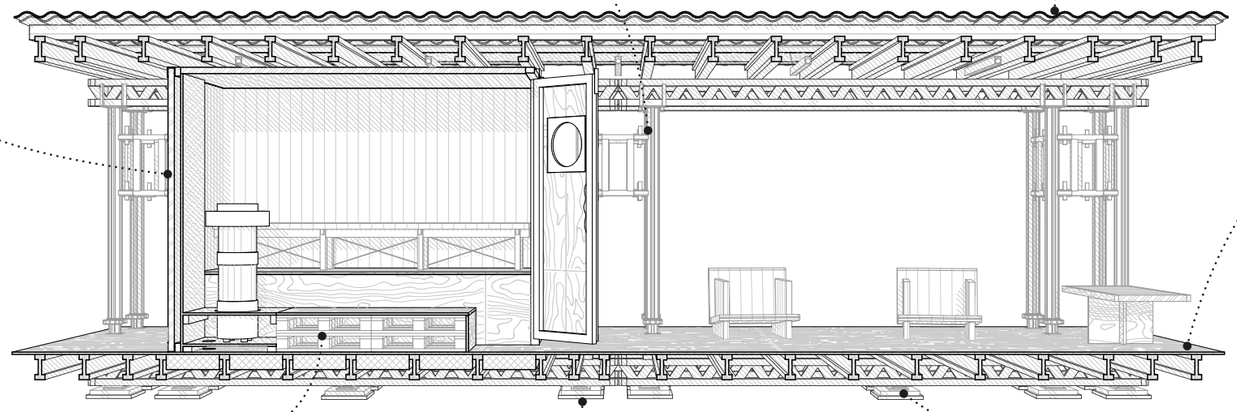


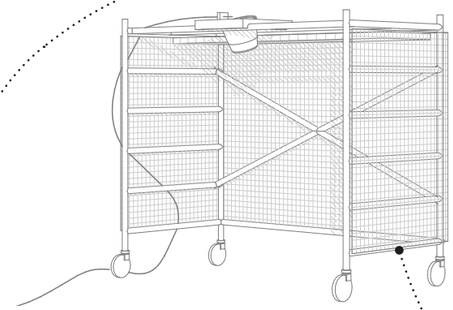
sourced from	private Marktplaats seller
reused as	roofing
dimensions	1530 mm x 1090 mm
amount	44 pcs

b-stock plywood



sourced from	International Plywood company
reused as	flooring
dimensions	1220 mm x 2440 mm
amount	50 m²





euro pallets



sourced from	TU Delft Green Village
reused as	substructure / stairs
dimensions	1200 mm x 800 mm x 280 mm
amount	20 pcs

old rubber gym mats



sourced from	TU X sports campus
reused as	foundation
dimensions	500 mm x 500 mm
amount	24 pcs

leftover concrete tiles



sourced from	TU Delft Green Village
reused as	foundation
dimensions	290 mm x 290 mm x 70 mm
amount	24 pcs

mobile scaffolding



sourced from	TU X sports campus
reused as	outdoor shower
dimensions	1200 mm x 2000 mm x 4000 mm
amount	1 pc

PRESERVING

REPAIRING

REUSING

PRESERVING LOCAL BUILDING CULTURE

REPAIRING THE BUILT ENVIRONMENT

REUSING OBSOLETE SPACES & STRUCTURES

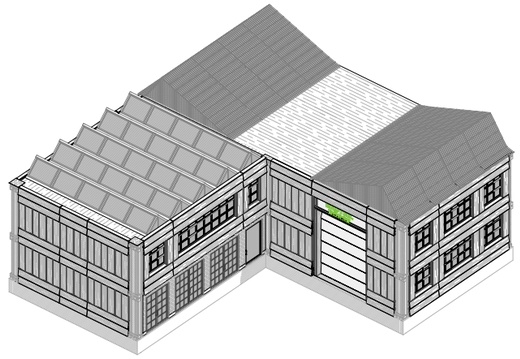

HORNBACH
EINGANG

?



REPAIR SCHOOL







communal workshop

material exchange

vocational training



SCHULINVESTITION

Abriss besiegelt: DDR-Bau im Saale-Holzland verschwindet

03.05.2025, 18:00 Uhr • Lesezeit: 3 Minuten

Von **Katja Dörn**
Lokalreporterin



Das Gebäude wird seit vielen Jahre
© Funkemedien Thüringen | Katja
Kahla. D
lange ge

MDR.DE › Nachrichten › Thüringen › Ostthüringen › Saale-Holzland



SAALE-HOLZLAND-KREIS

Marode Grundschule in Hermsdorf - Eltern schlagen Alarm

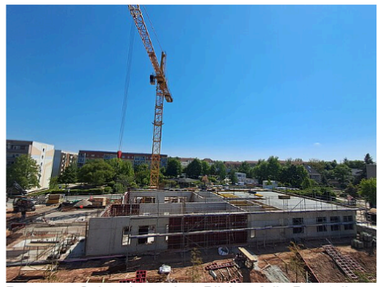
27. November 2024, 10:27 Uhr

ARTIKEL HÖREN

Die Grundschule "Waldsiedlung" in Hermsdorf ist sanierungsbedürftig. Die Fensterstürze hängen durch, die Wände sind feucht, das Dach undicht. Der Kreis plant, die Schule erst ab 2029 zu erneuern.

von MDR THÜRINGEN

Neubau Grundschule "Milo Barus" Stadtroda



Das neue Gebäude wächst: Blick auf die Baustelle am 13.05.25



Blick auf die Baustelle am 20.03.2025

Bilder vom Spatenstich am 06.11.2024 - Startschuss für das Bauprojekt









SCHULINVESTITION

Adieu DDR-Plattenbau: Abrisstermin im Saale-Holzland steht fest

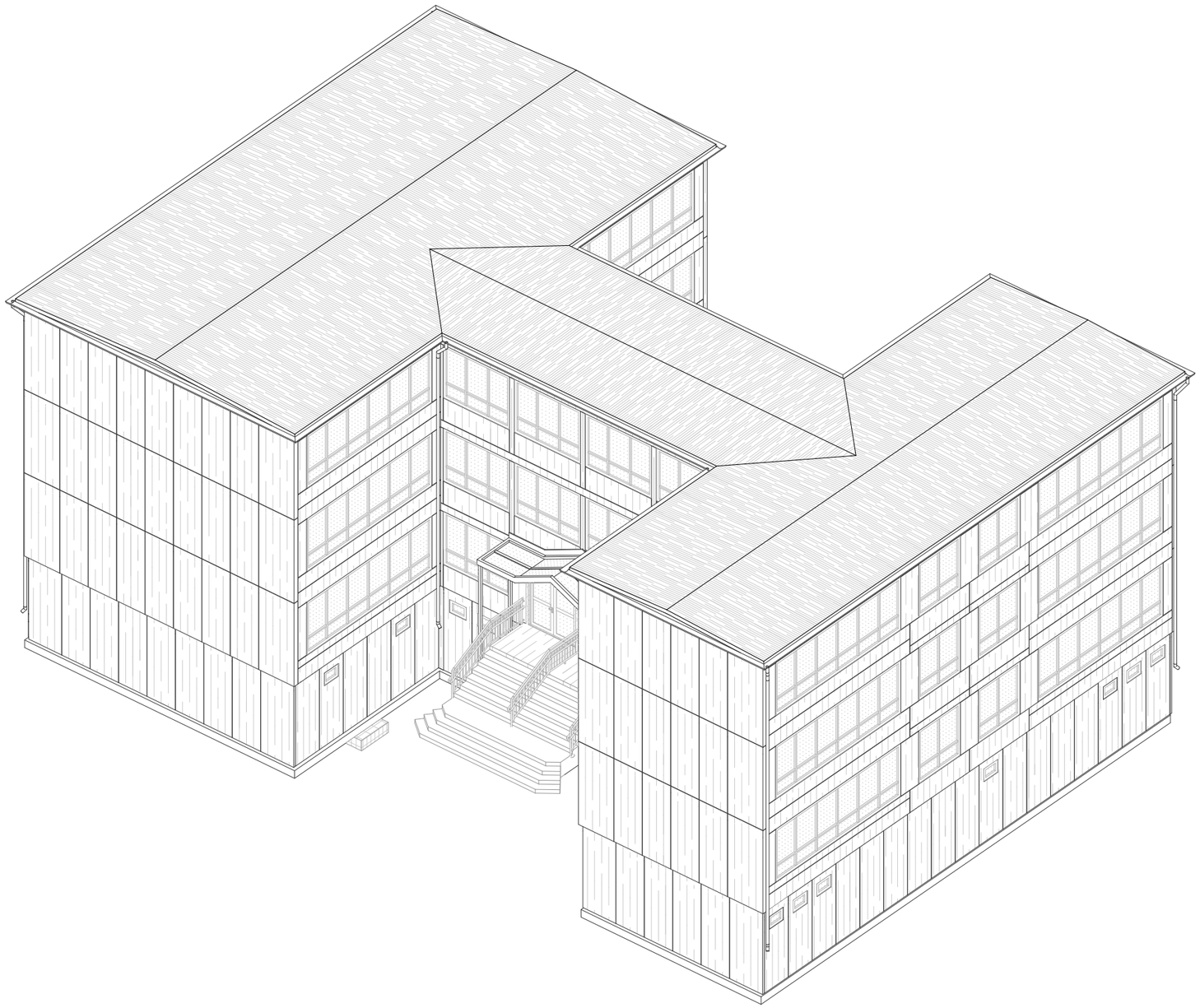
03.04.2025, 14:00 Uhr • Lesezeit: 1 Minute

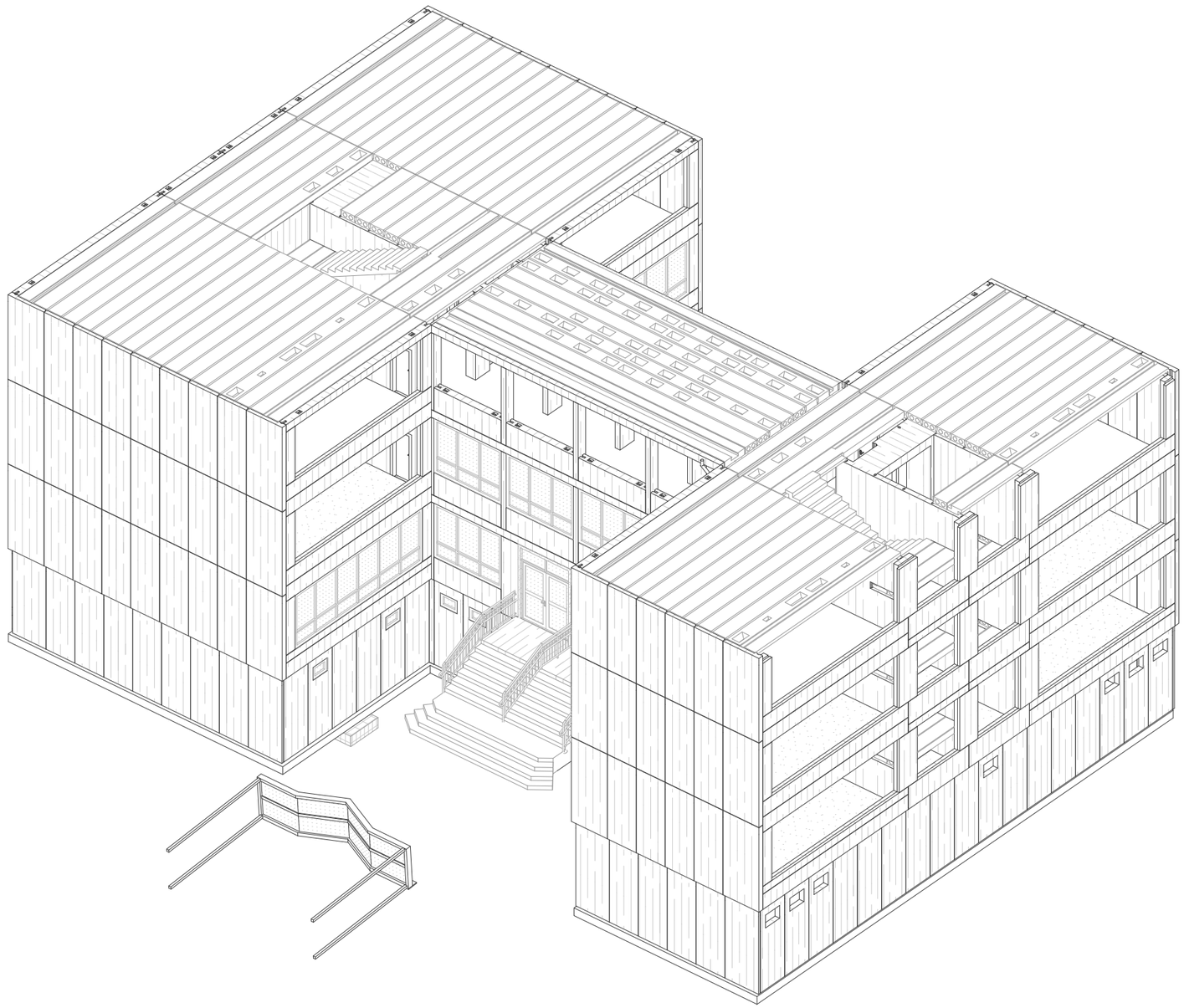
Der alte Plattenbau der Grundschule in Orlamünde wird abgerissen. Auf dem asphaltierten Hof entsteht der Neubau. Die Turnhalle bleibt erhalten.
© LRA Saale-Holzland-Kreis | LRA Saale-Holzland-Kreis

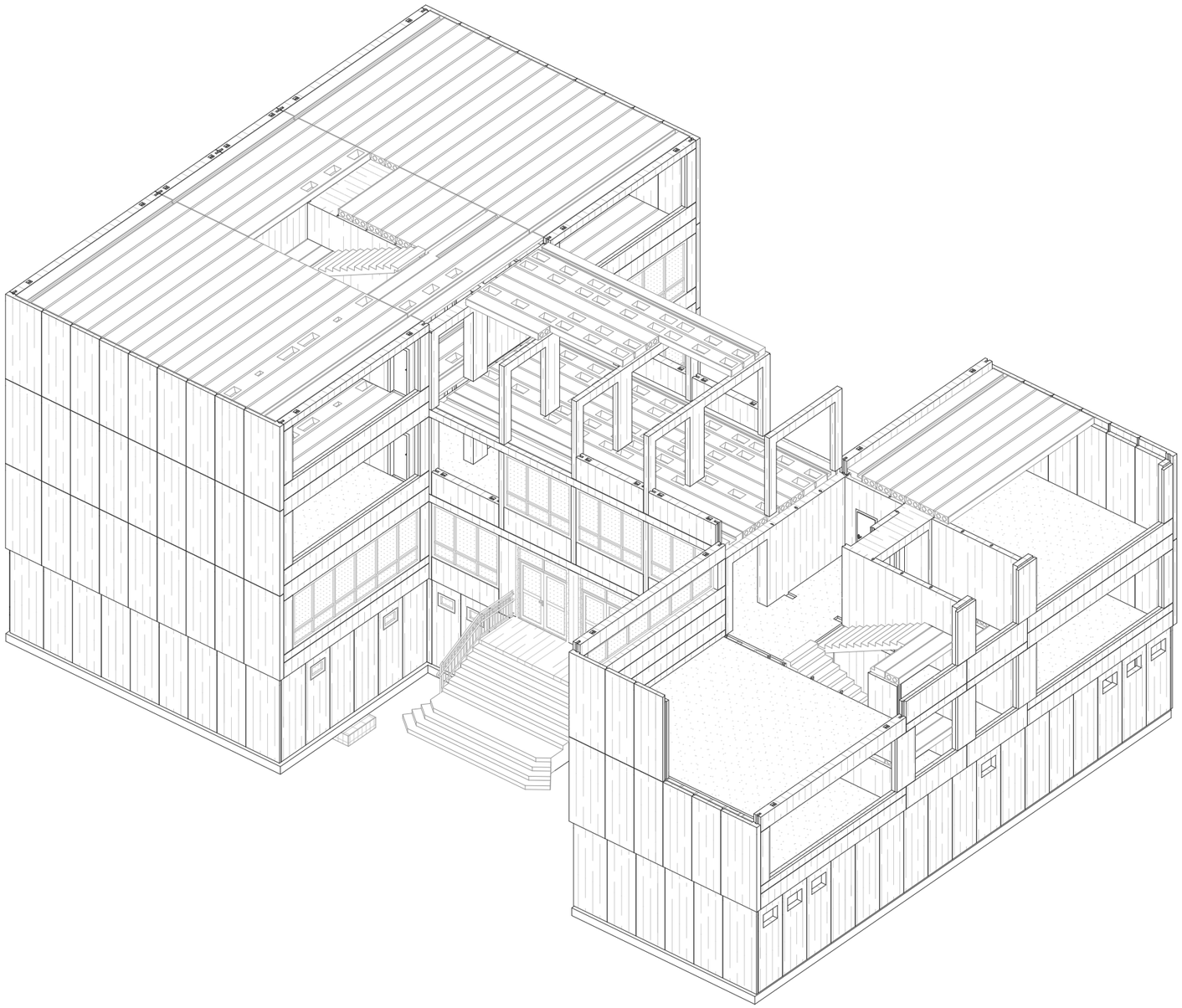
Orlamünde. Die marode Schule in Orlamünde ist bald Geschichte. Wann der Abriss geplant ist und wie es mit dem Neubau weitergeht.

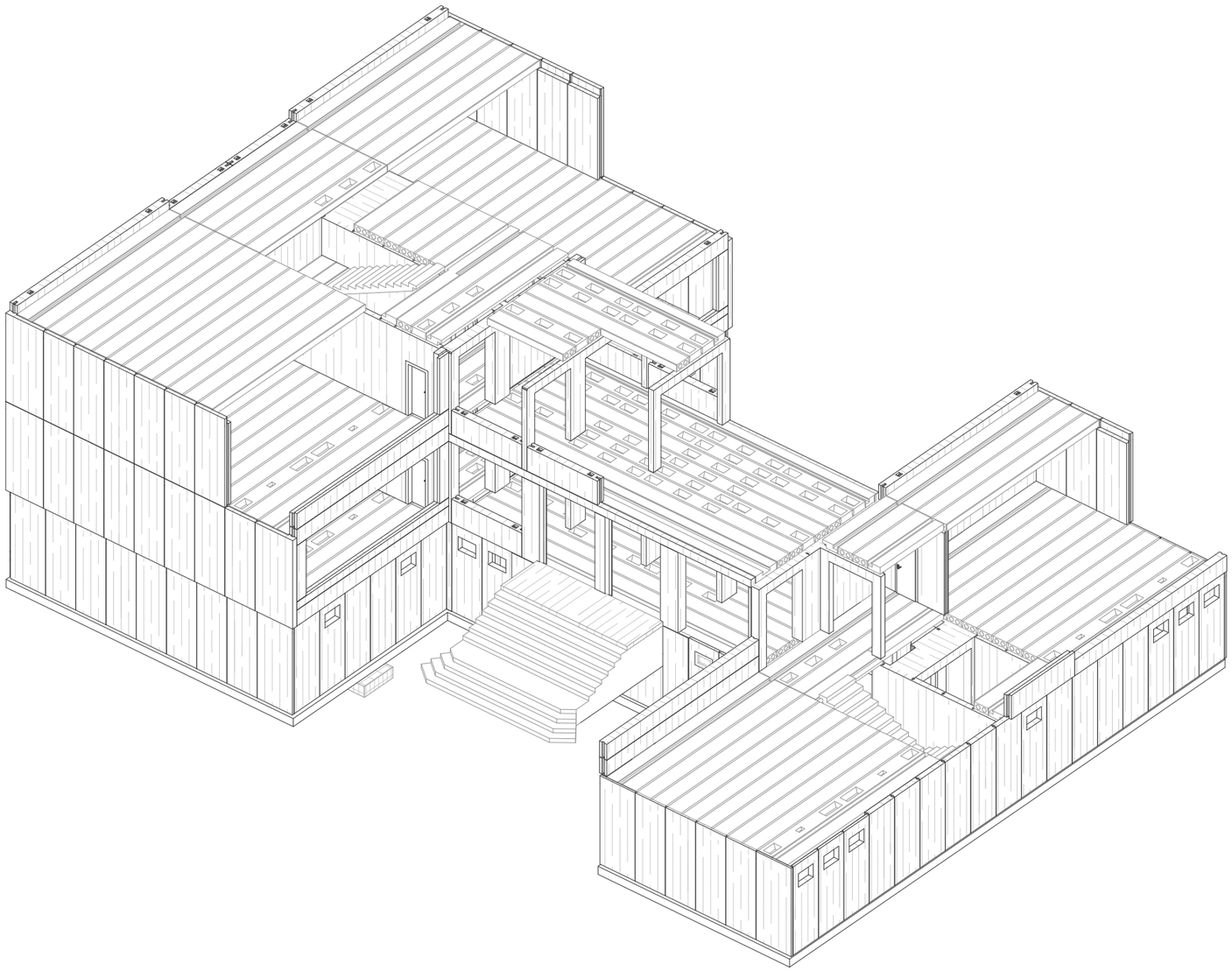


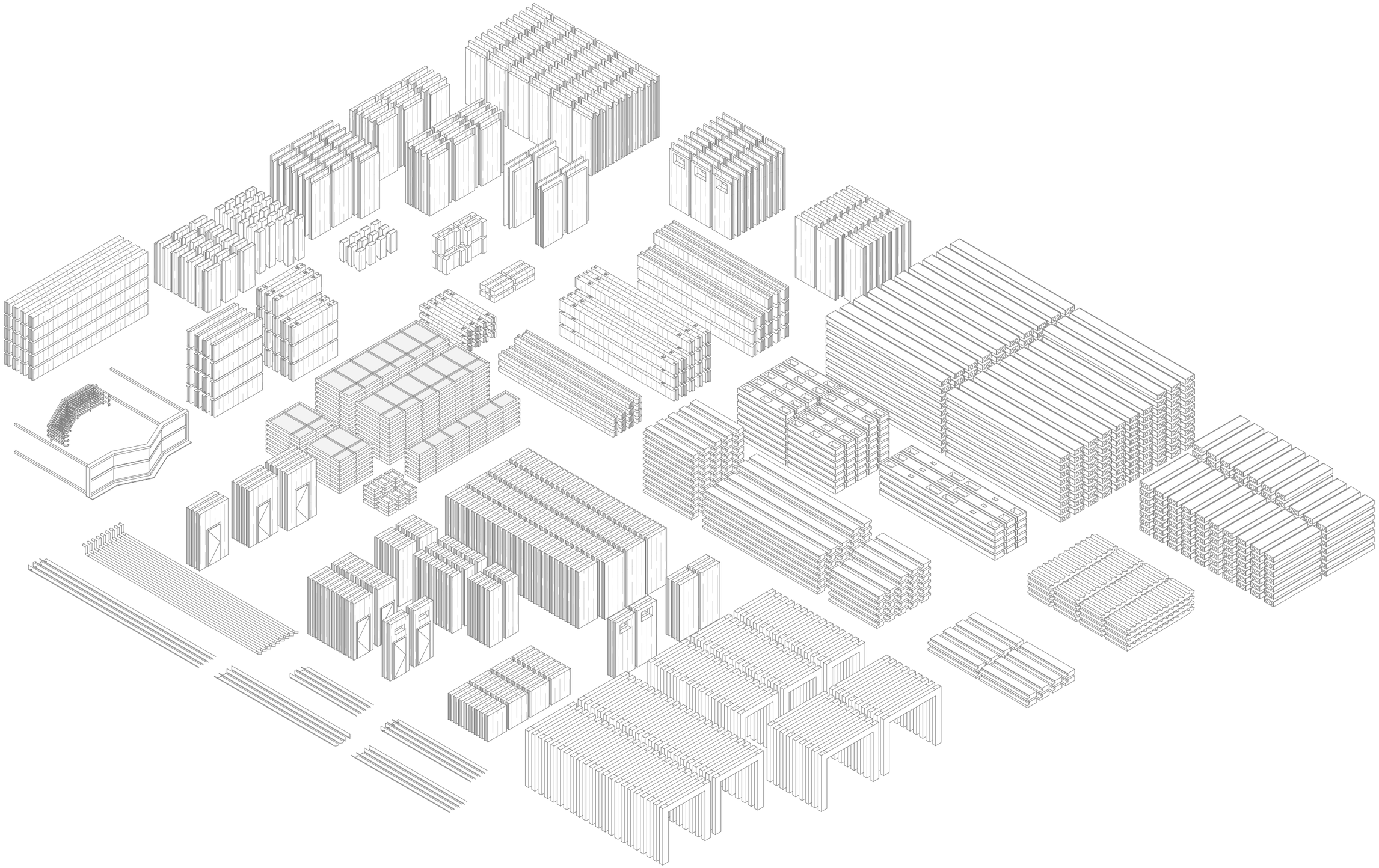






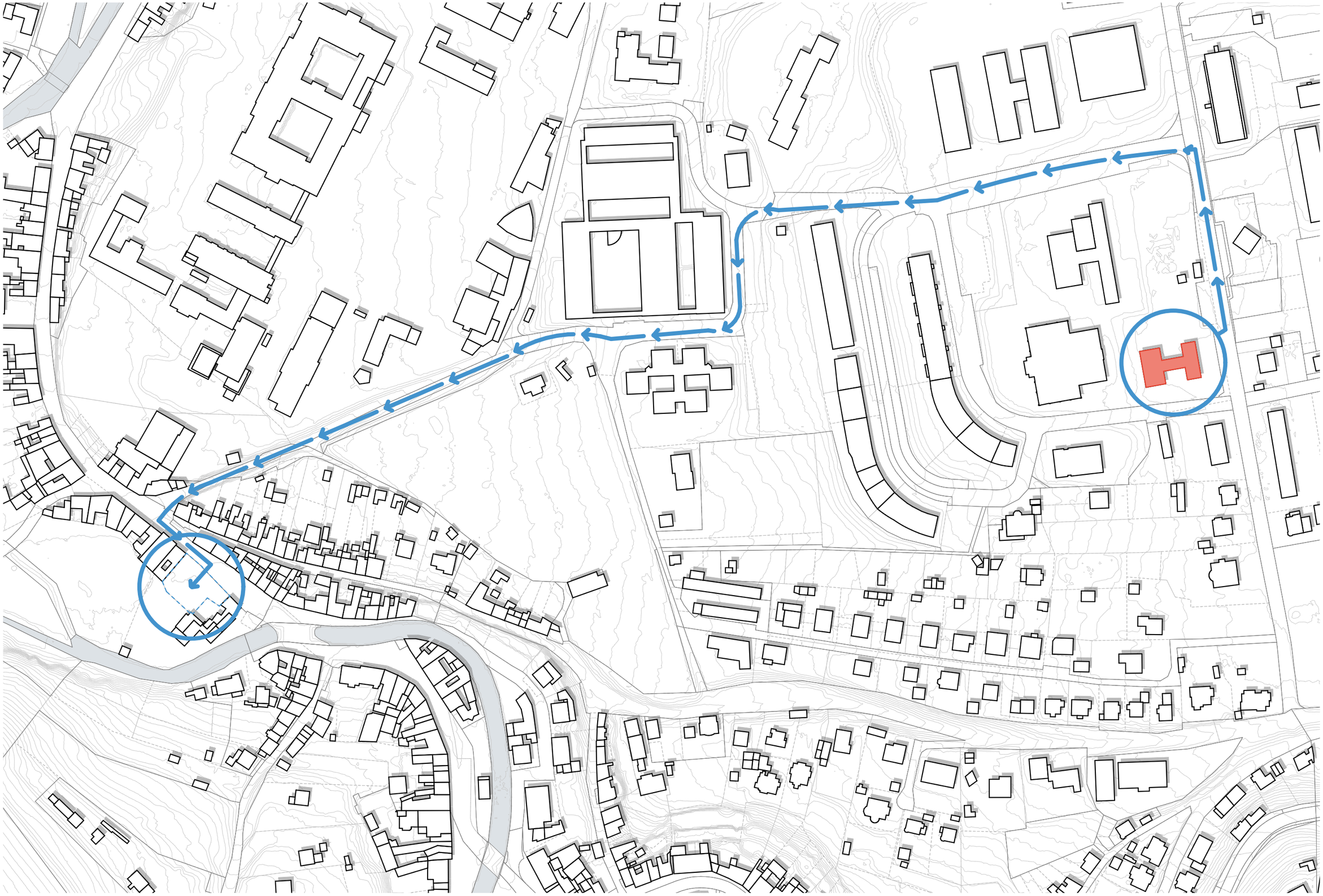












STRUCTURE

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2. RETHINKING
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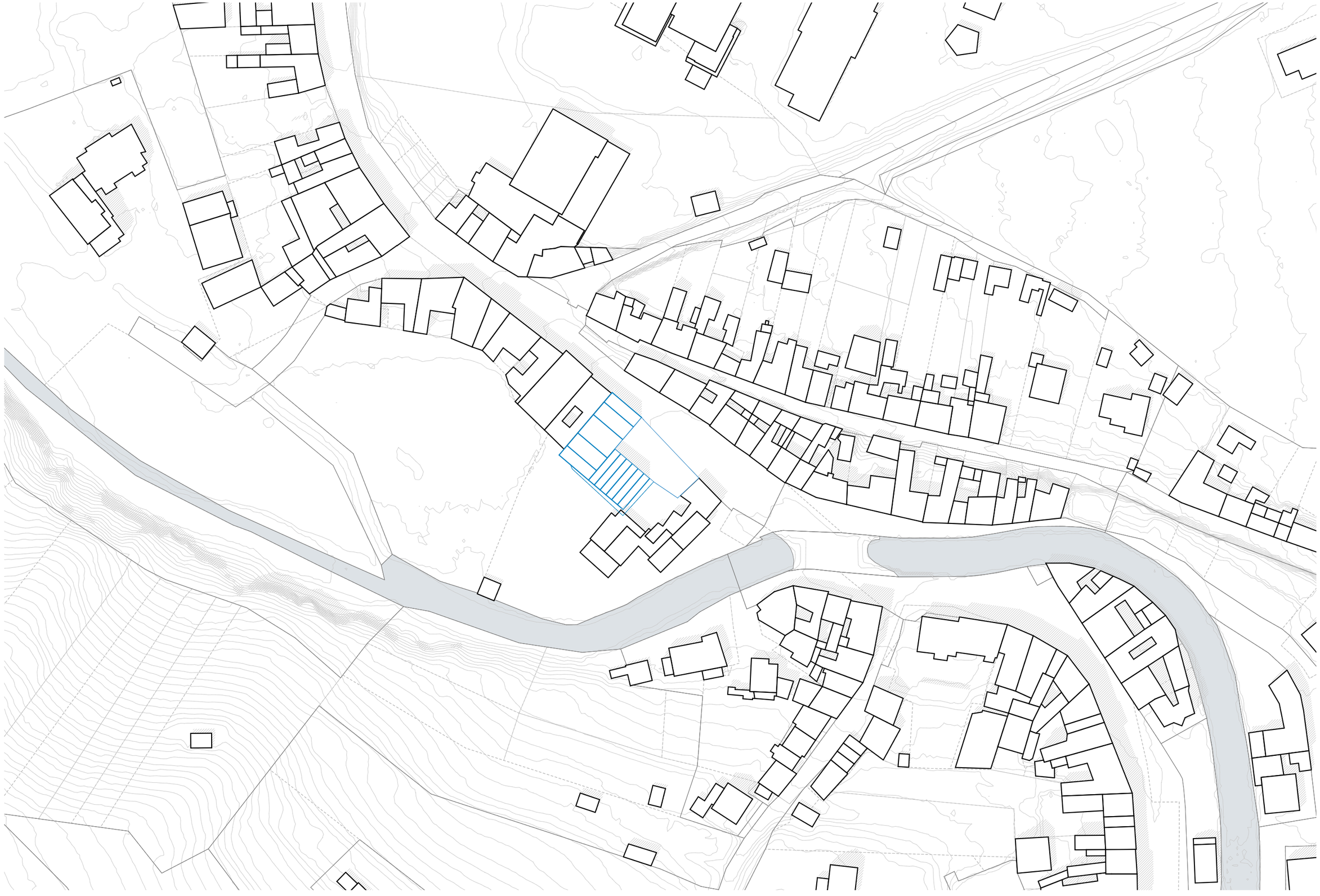
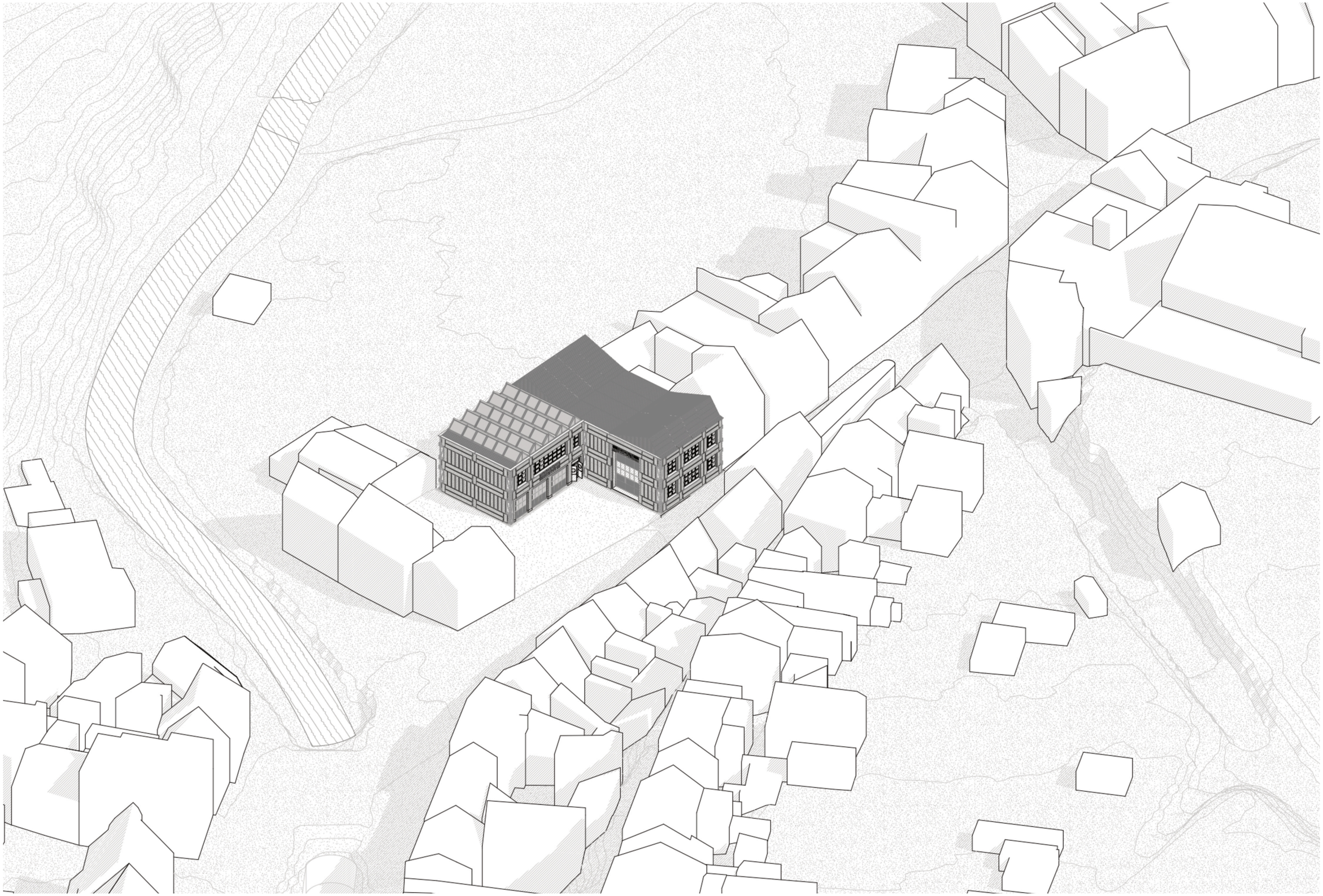
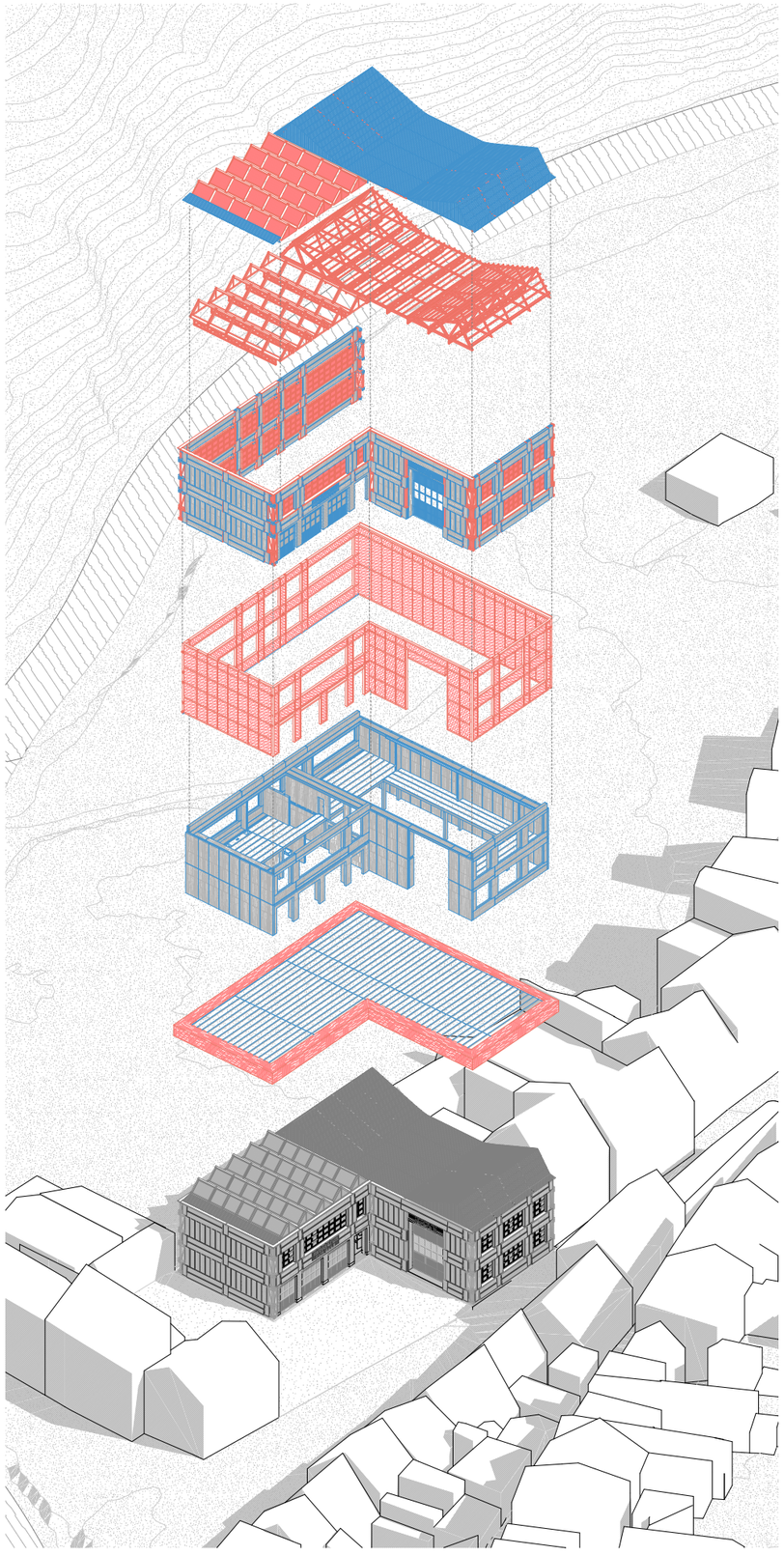





BAUTEIL
BÖRSE
ALLE


REPARATUR
FÜR ALLE



6. Reused + new roof cladding

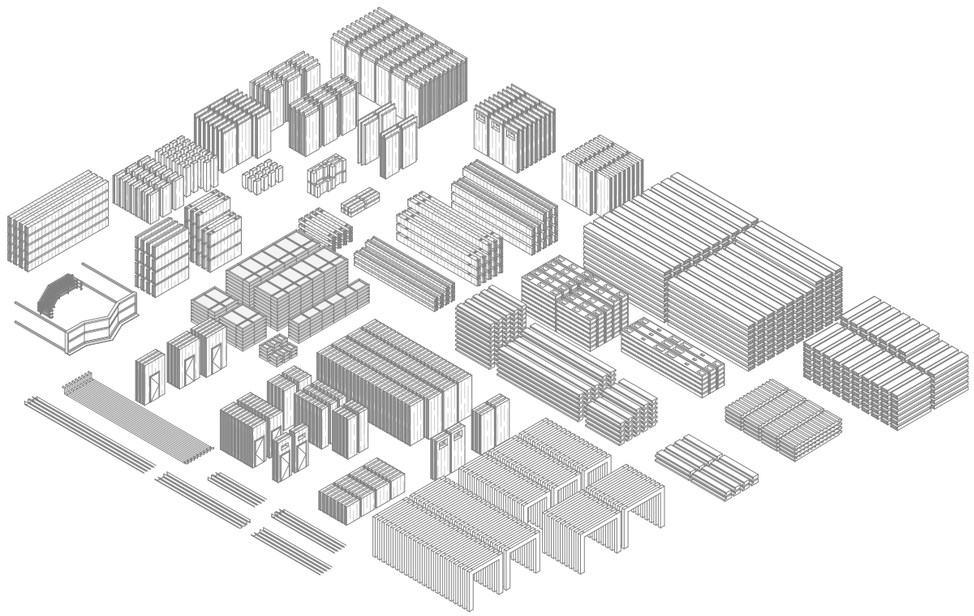
5. Wooden roof construction

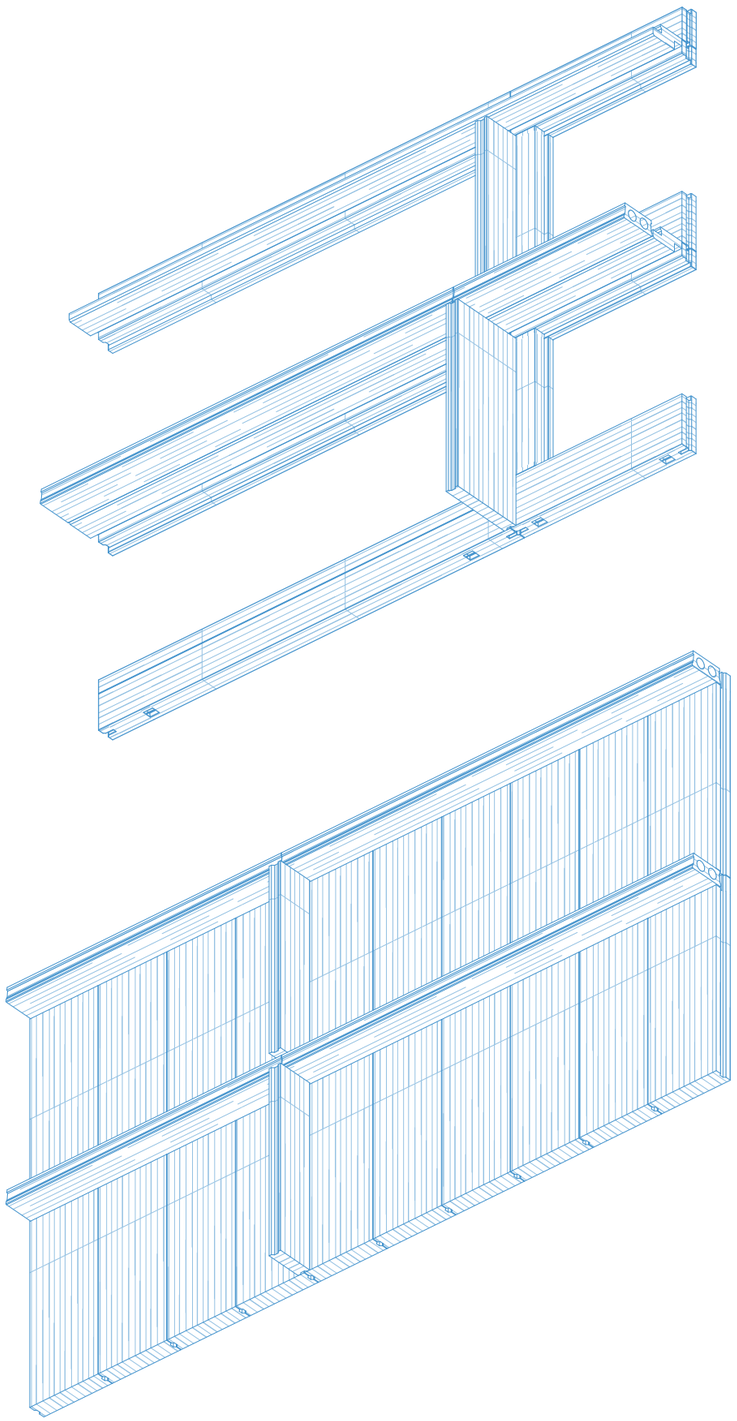
4. Reused facade + new windows

3. Timber constructed insulation layer

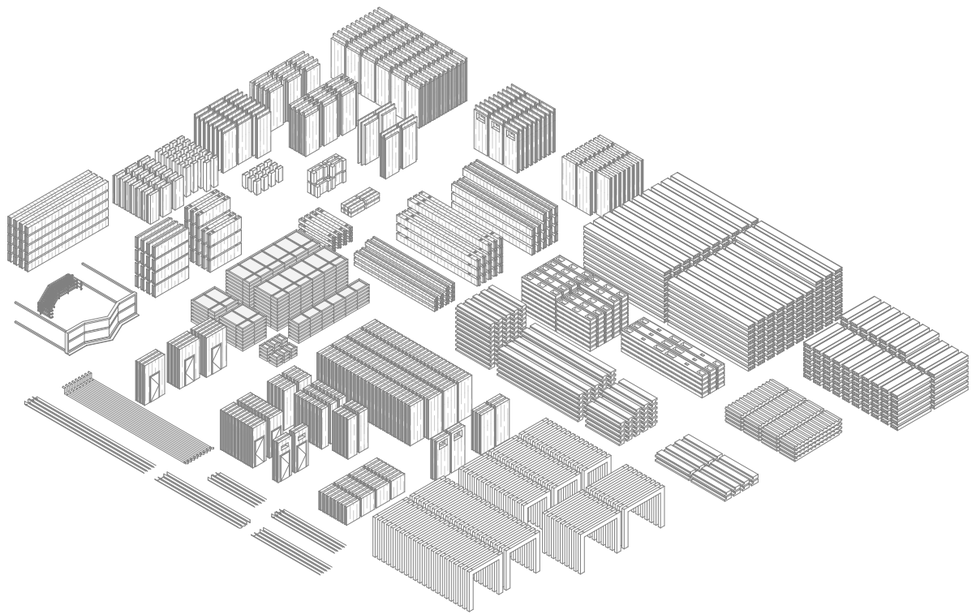
2. Reused panel construction

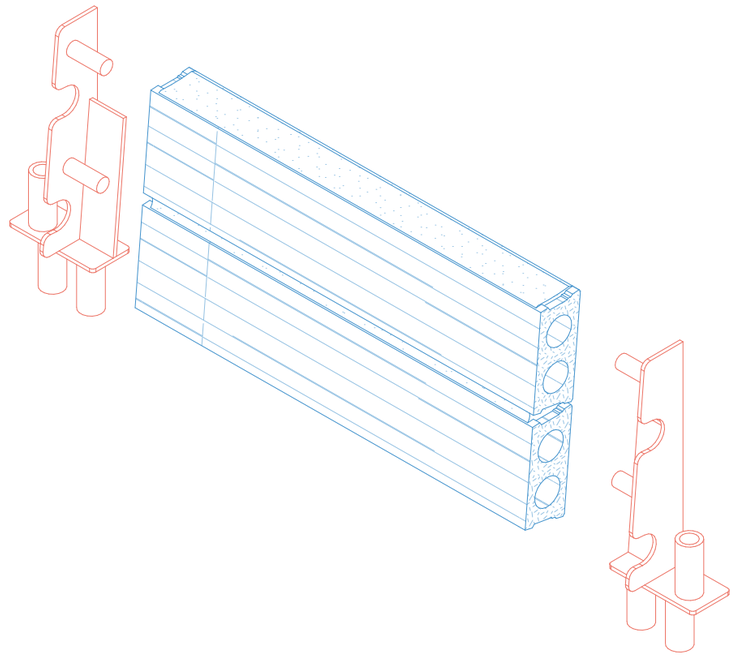
1. Reused foundation





Re-using structural principles

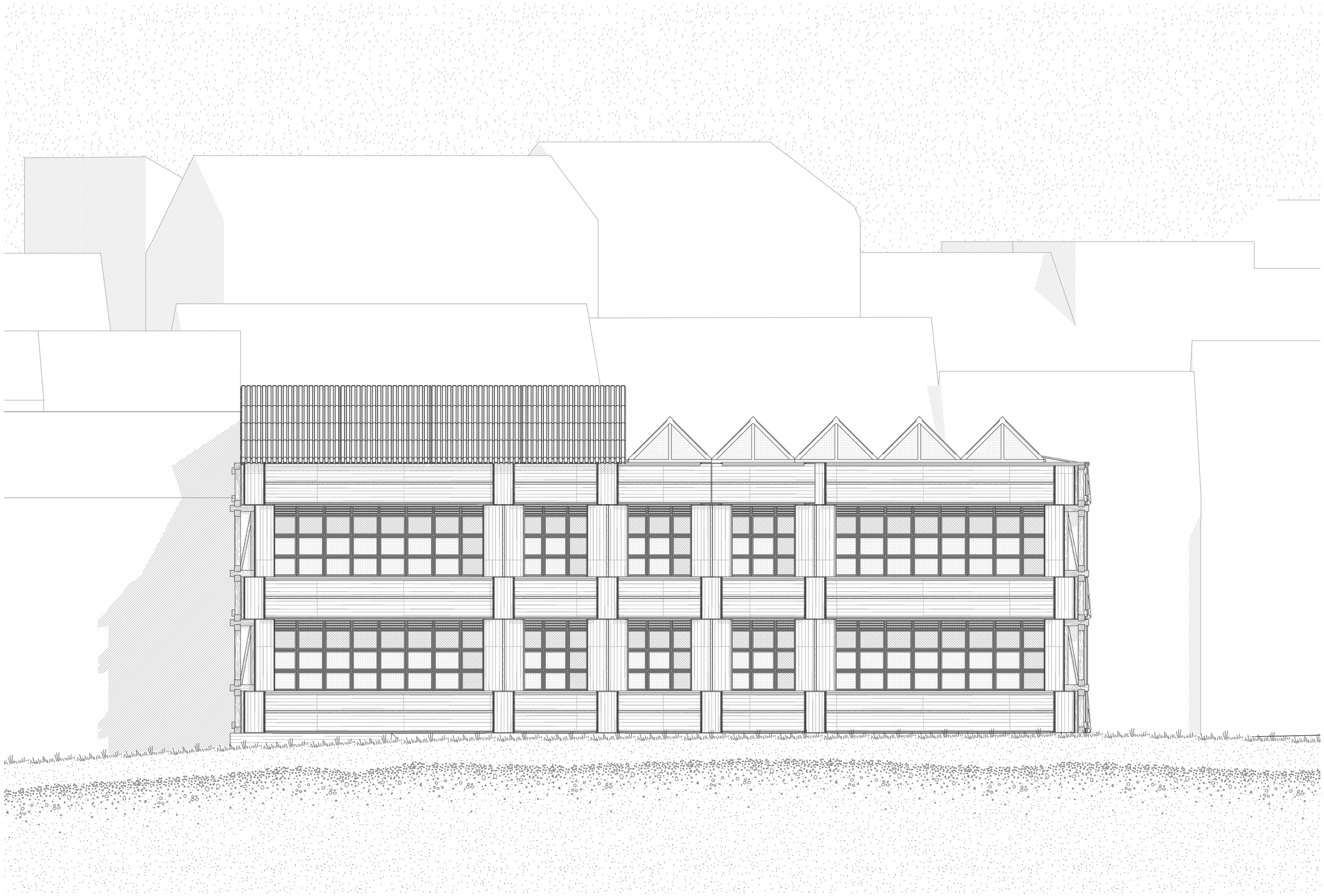


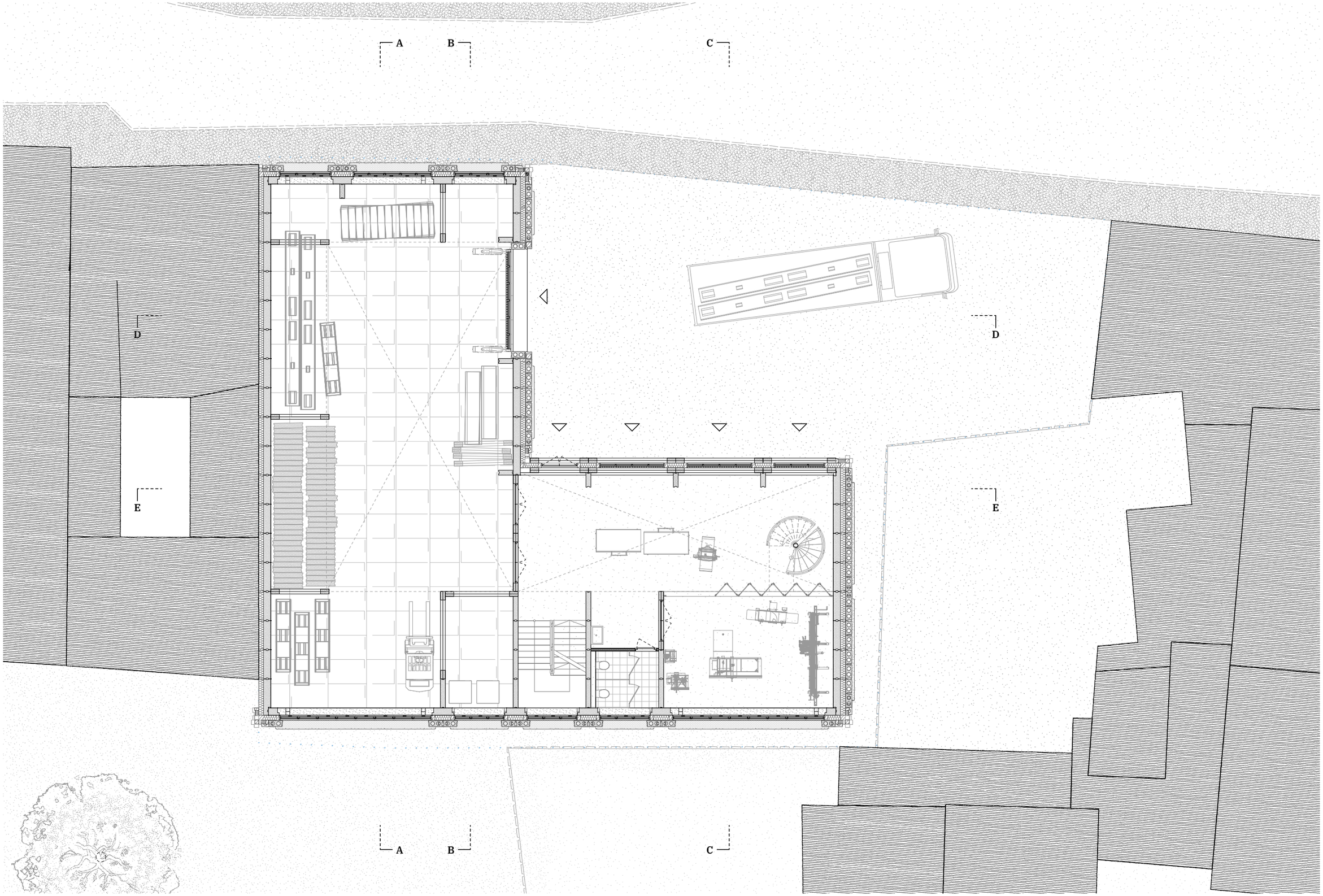


Re-configuring elements




BAUTEIL
BÖRSE

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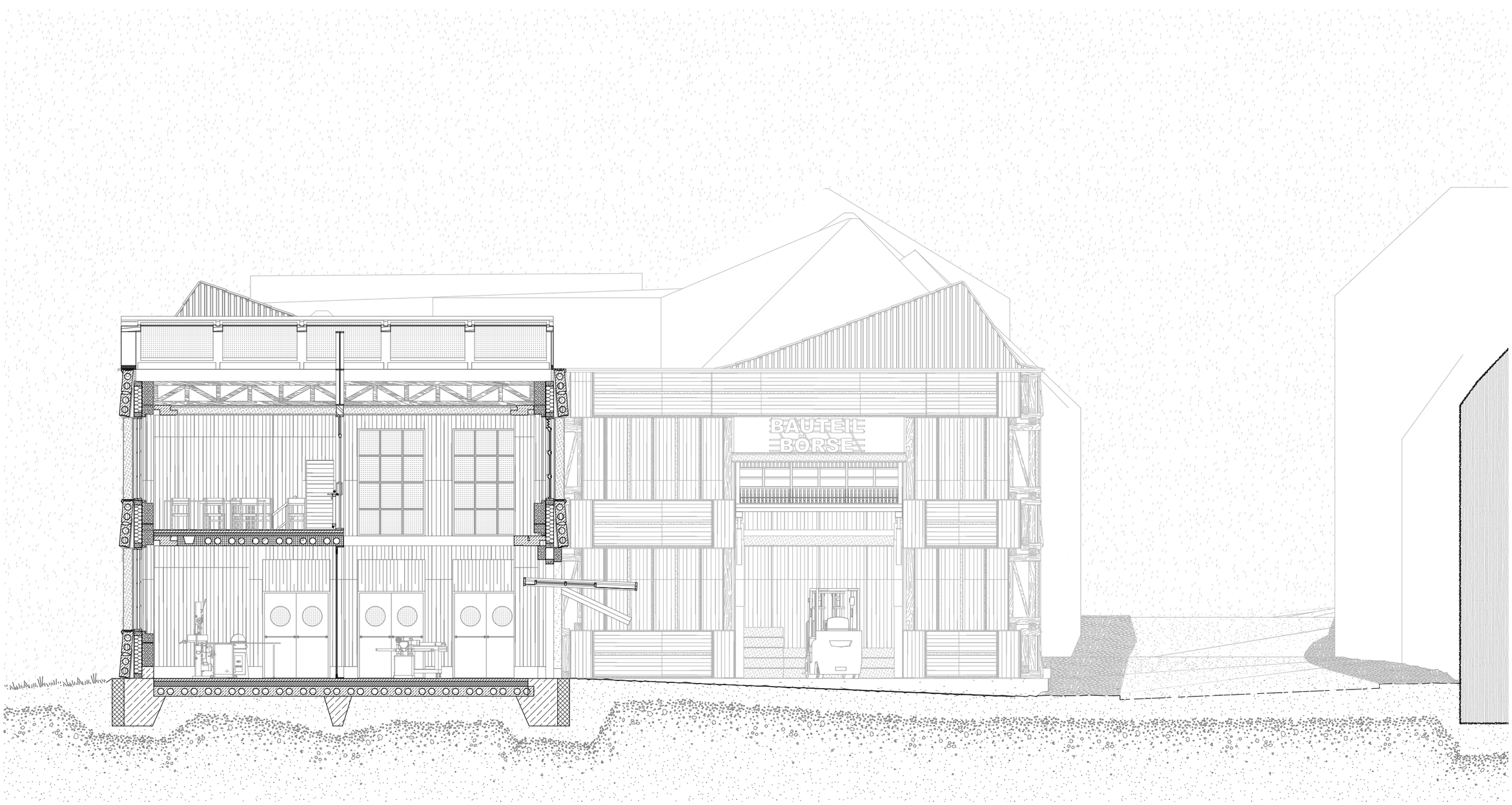
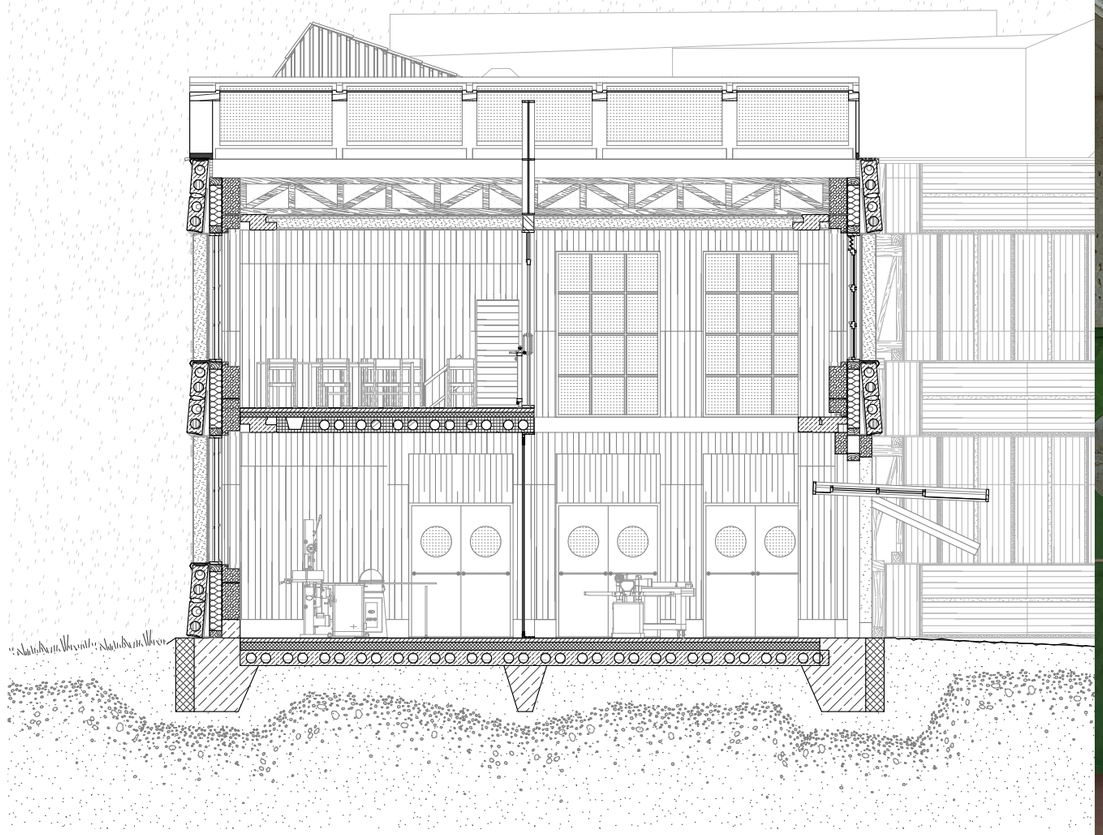
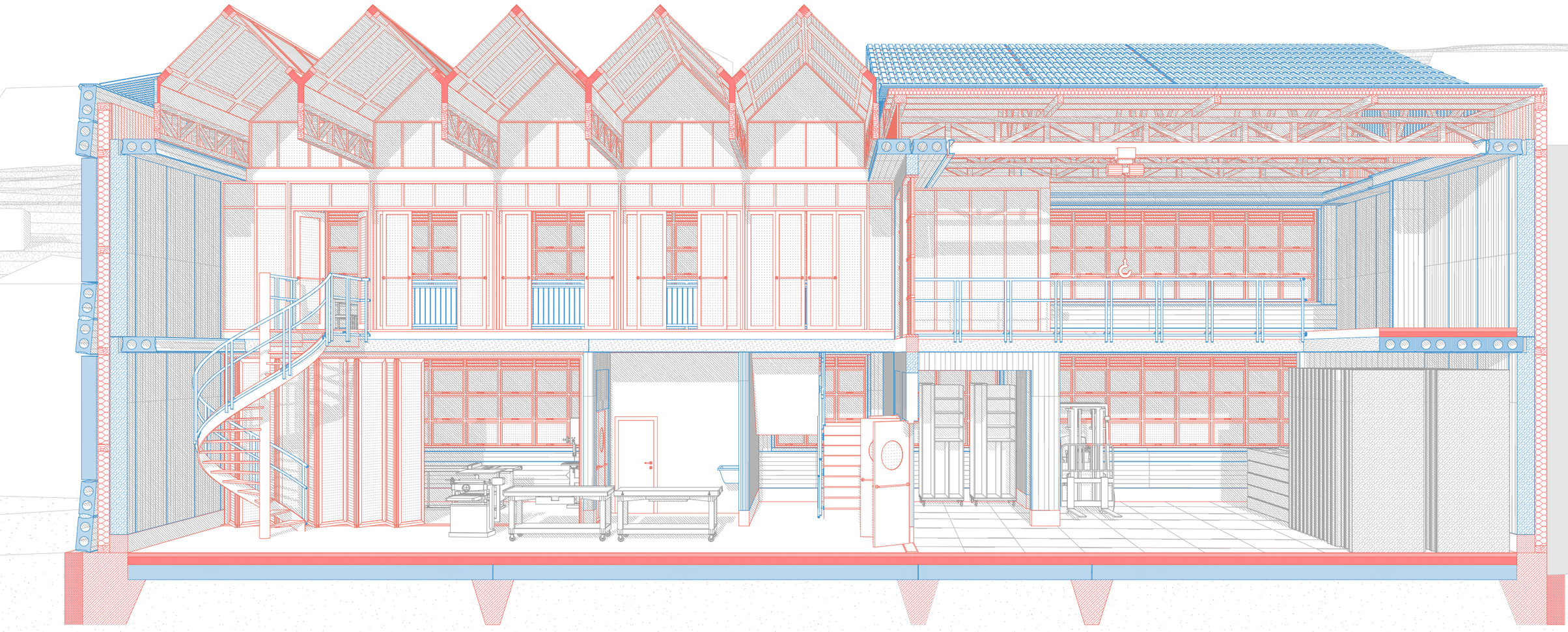
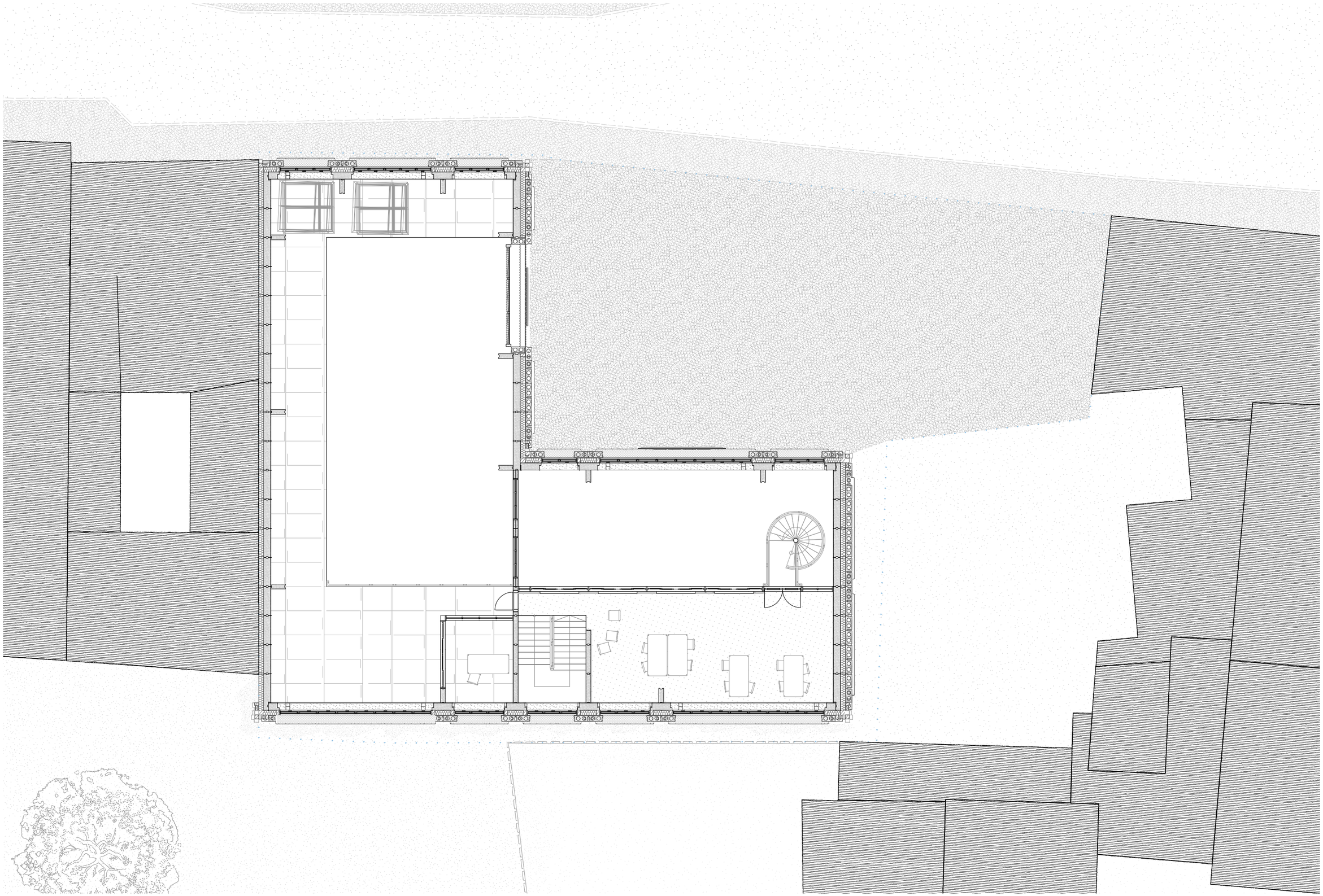
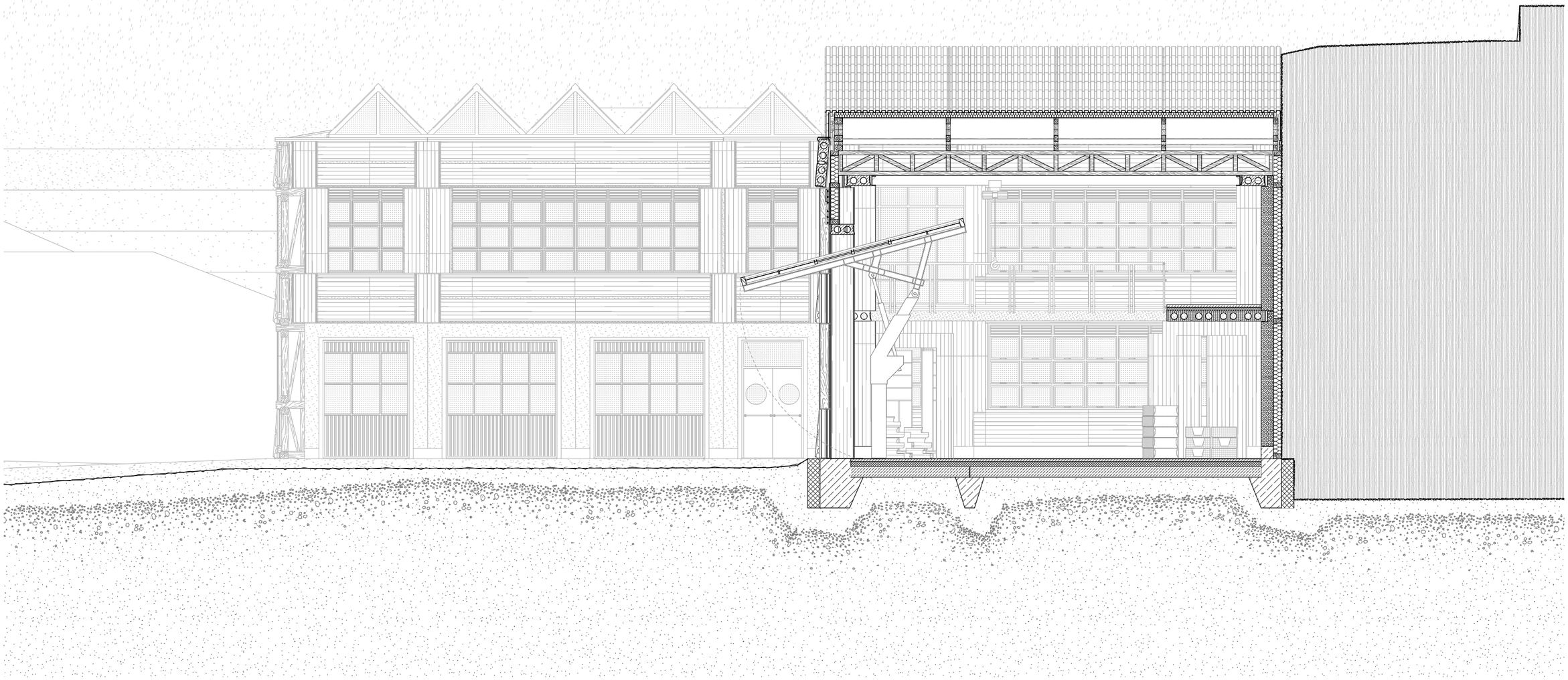

BAUTEIL
BÖRSE

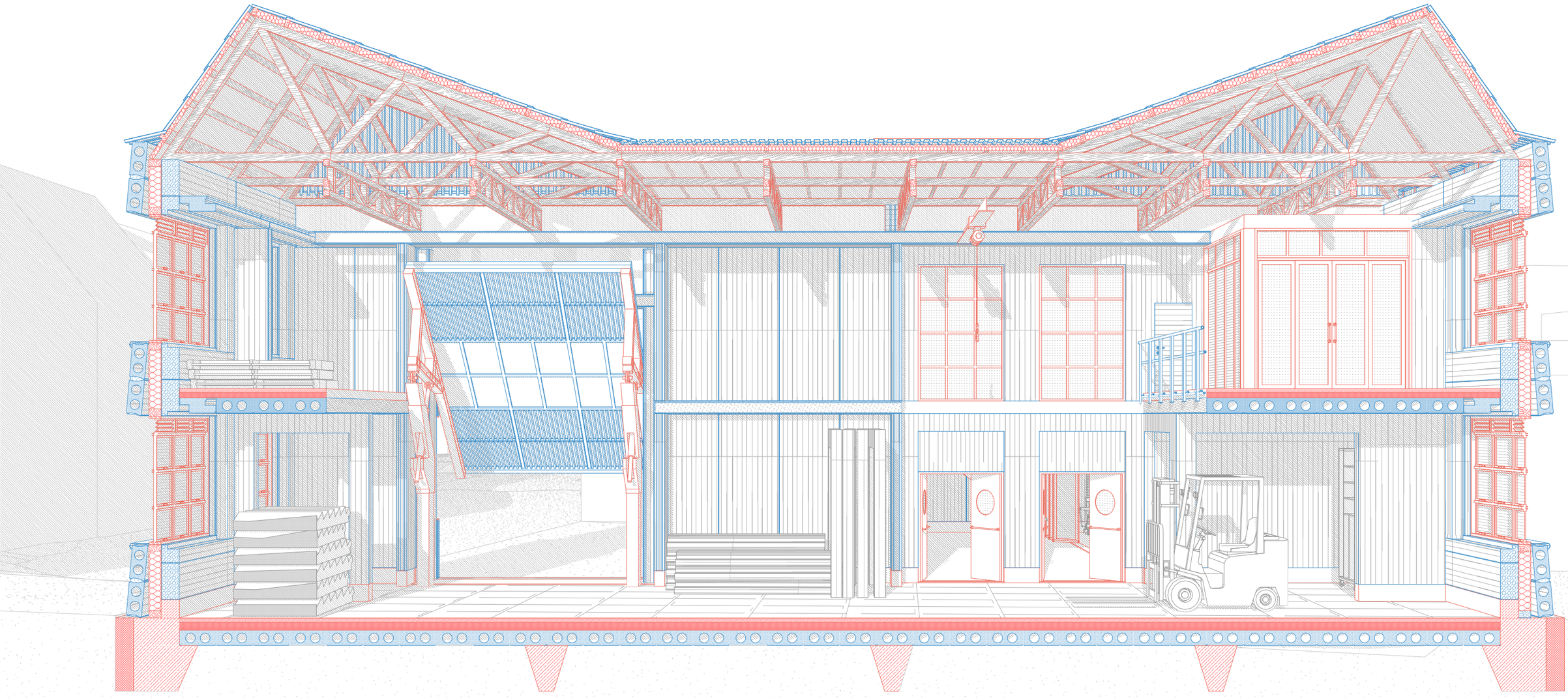



OpriMIG

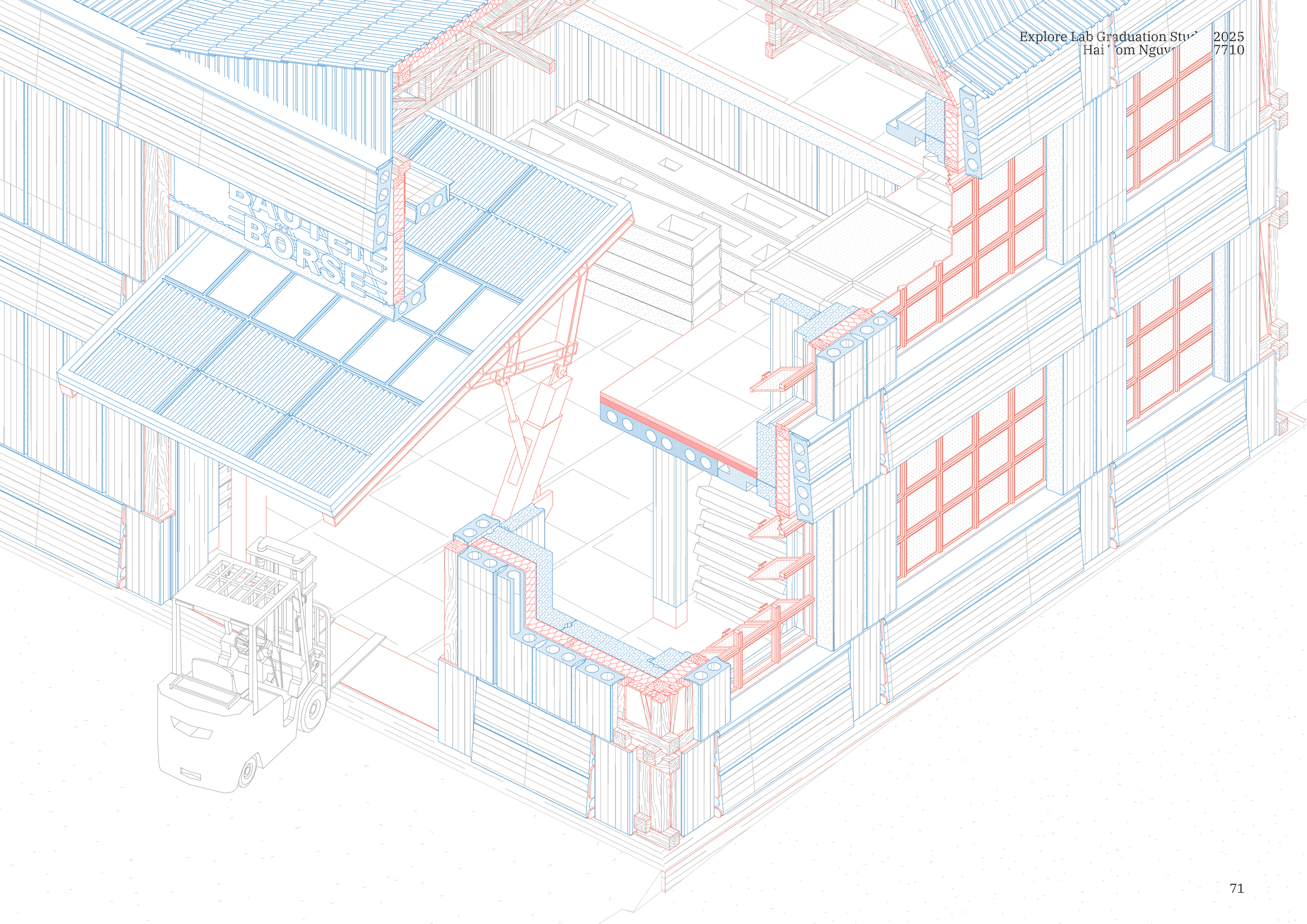




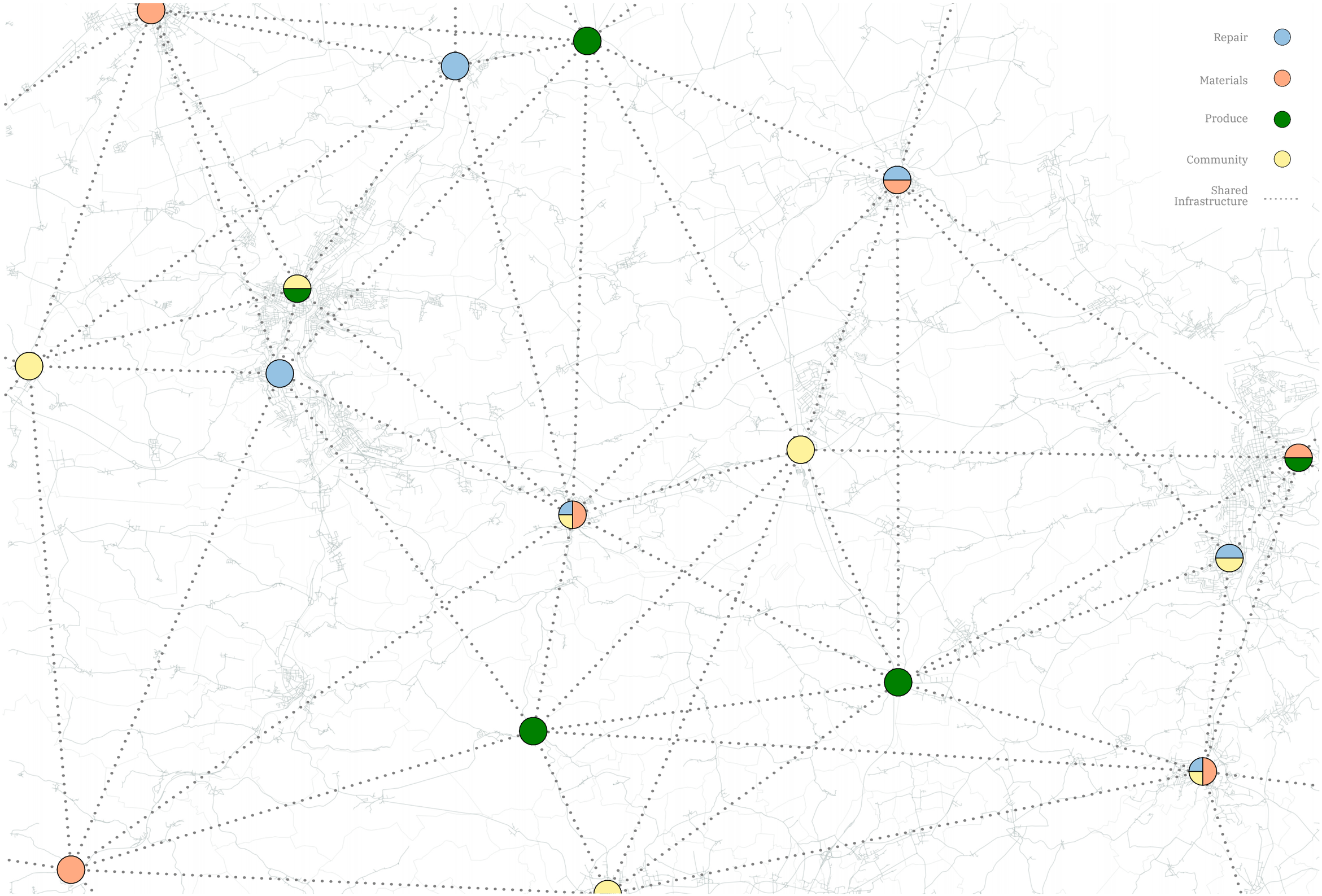







BÖRSE

REPARATUR
FÜR ALLE


Repair
Materials
Produce
Community
Shared Infrastructure



THANK YOU!