



národní  
úložiště  
šedé  
literatury

## **Reshaping Freiburg University Library**

Kellersohn, Antje  
2012

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Albert-Ludwigs-Universität Freiburg

# Reshaping Freiburg University Library

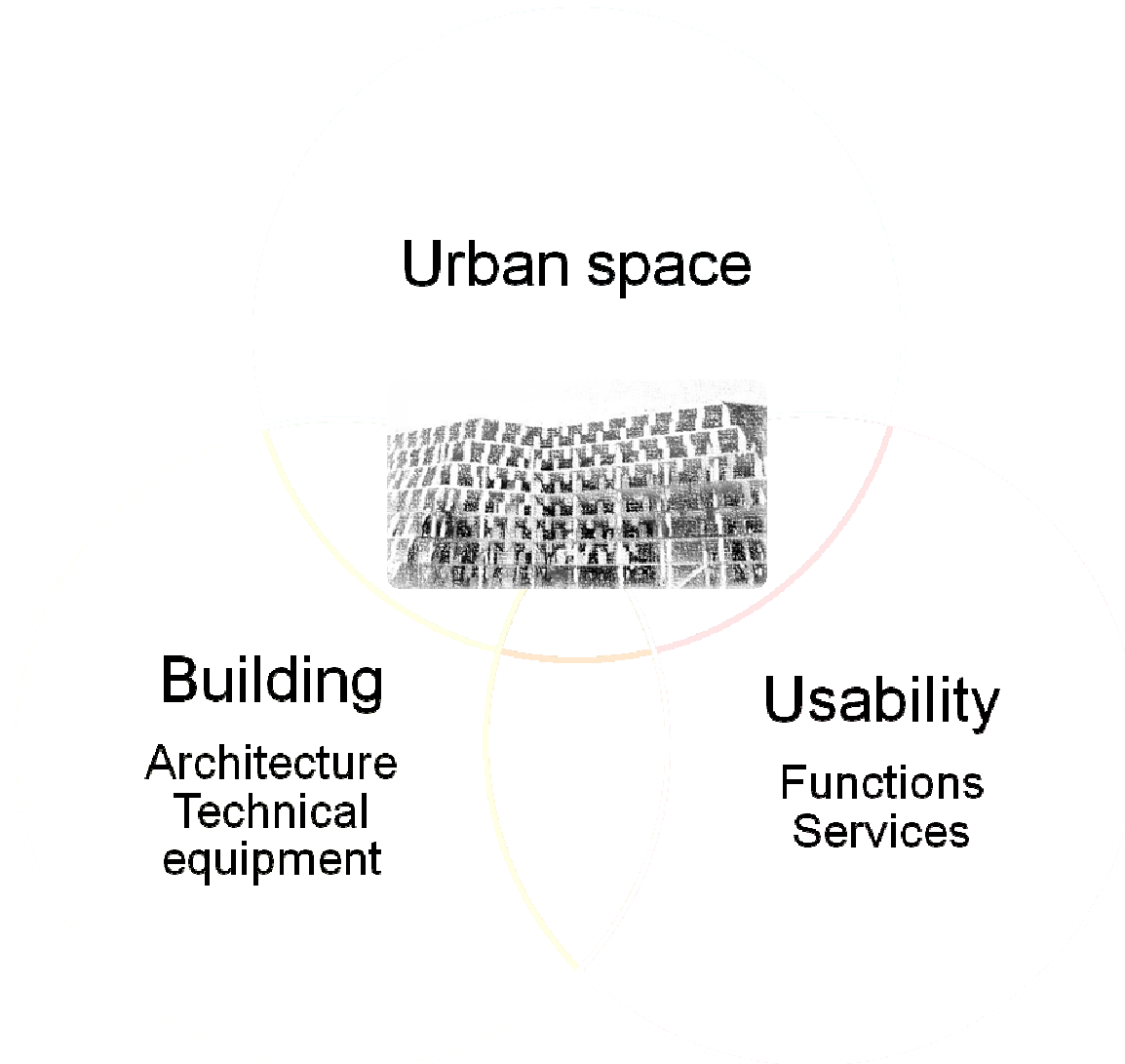
## Learning and Research in the Heart of the City

Dr. Antje Kellersohn

UNI  
FREIBURG

# Re-organising and re-purposing space

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# Freiburg im Breisgau



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# University of Freiburg



© Universität Freiburg

- founded in 1457
- comprehensive university with in 11 faculties
- 160 degree programs
- 23.000 students
- 6.500 employees
- 10 Nobel Prize Laureates

EXZELLENZINITIATIVE  
UNIVERSITÄT FREIBURG

Ausgezeichnet!  
Wettbewerb exzellente Lehre

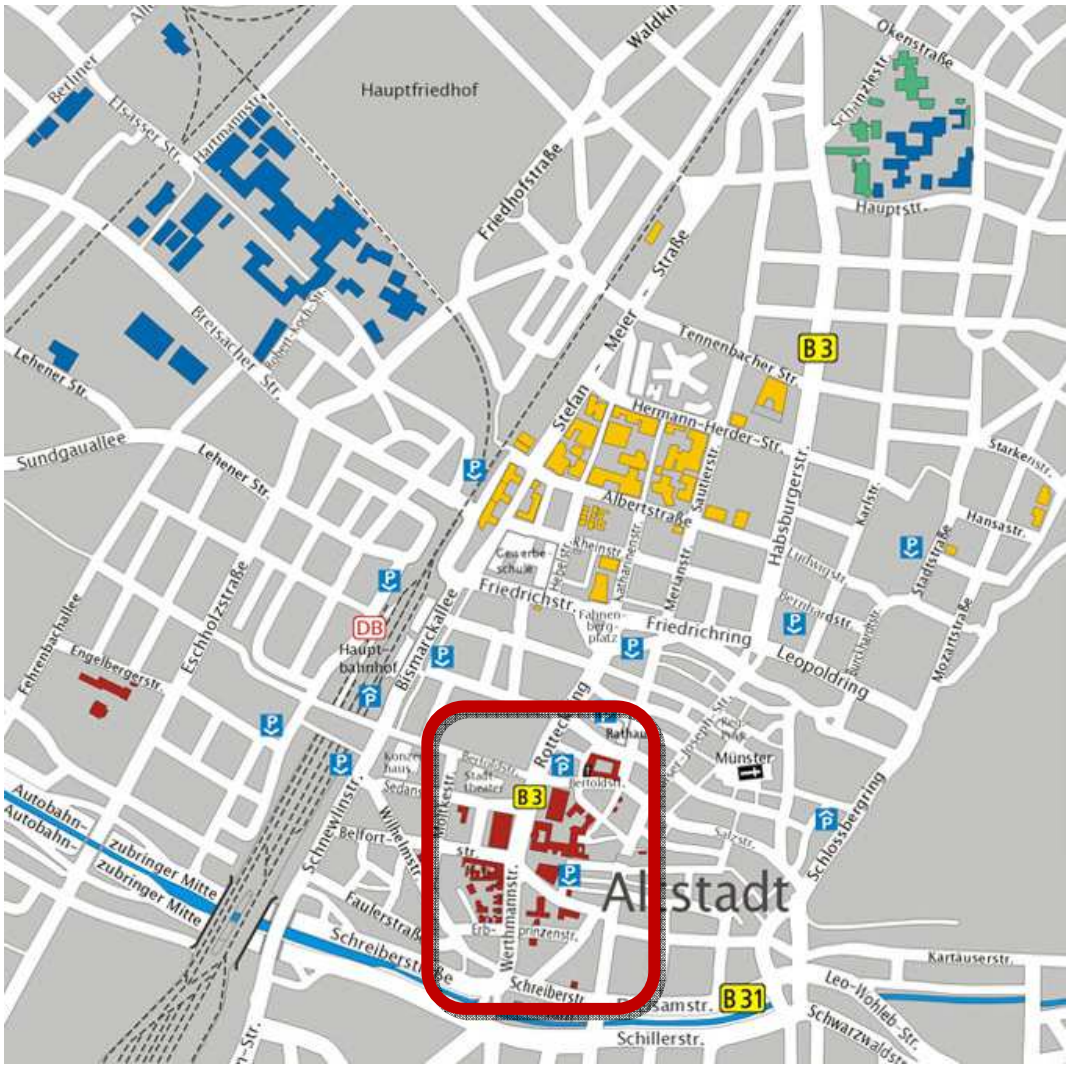
TOTAL  
E-QUALITY

10  
LE  
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PUSHING THE FRONTIERS OF INNOVATIVE RESEARCH

UNI  
FREIBURG



# University of Freiburg

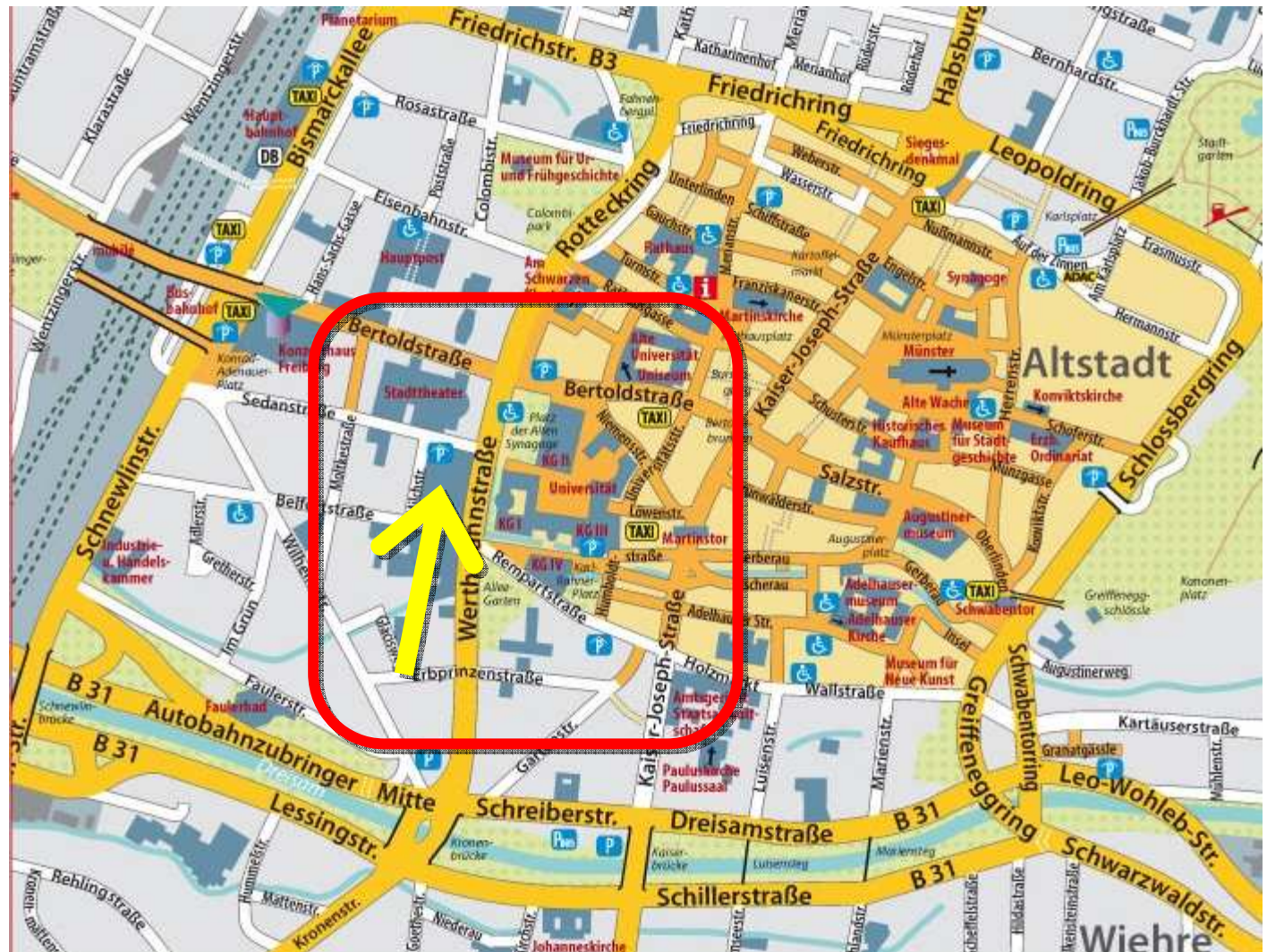


- Humanities (Main Campus)
- Natural Sciences
- University Medical Center
- Biology
- Engineering (outside map)
- Psychology

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# Main Campus (Humanities)

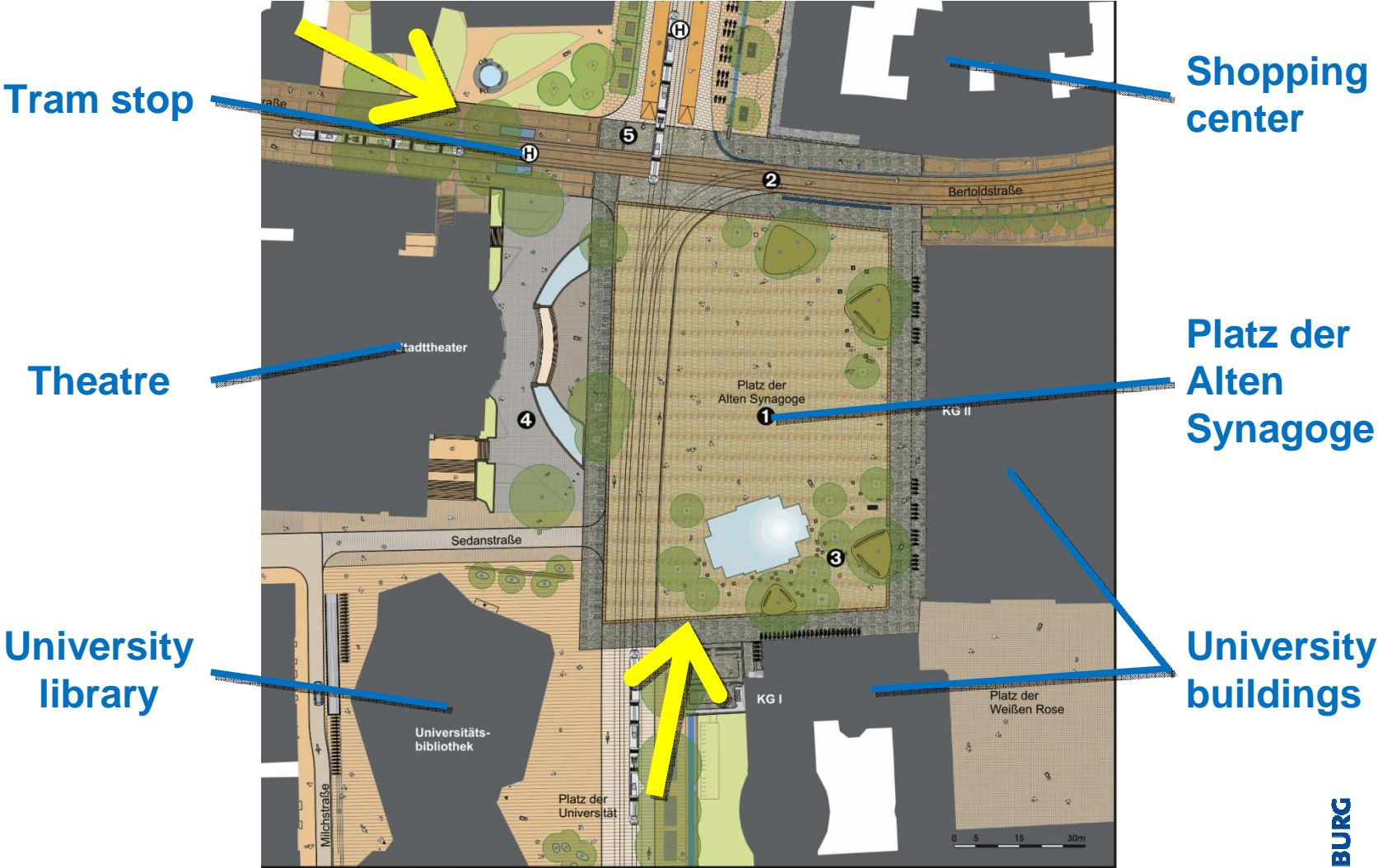


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# A new space for urban life



[http://www.freiburg.de/servlet/PB/show/1226729\\_11/Tafeln\\_Rotteckring\\_AlteSynagoge.pdf](http://www.freiburg.de/servlet/PB/show/1226729_11/Tafeln_Rotteckring_AlteSynagoge.pdf)



# A new space for urban life



[http://www.freiburg.de/servlet/PB/show/1254143\\_I1/Broschuere\\_Rotteckring\\_Stand\\_Jan2012.pdf](http://www.freiburg.de/servlet/PB/show/1254143_I1/Broschuere_Rotteckring_Stand_Jan2012.pdf)

Dr. Antje Kellersohn, Freiburg University Library



# A new space for urban life



[http://www.freiburg.de/servlet/PB/show/1254143\\_I1/Broschuere\\_Rotteckring\\_Stand\\_Jan2012.pdf](http://www.freiburg.de/servlet/PB/show/1254143_I1/Broschuere_Rotteckring_Stand_Jan2012.pdf)

# Freiburg university library



© UB Freiburg

- **Collections**
  - 3,5 million printed volumes
  - 44.000 journals (p+e, running)
  - 1 million e-books
- **Services**
  - 37.000 registered clients
  - 24/7 services (since 2008)
  - 1.000 reader seats
  - 1,7 million items loaned p.a.
- **Library Staff**
  - 175 fte´s



# The „old“ library building



© UB Freiburg



Quelle: [http://www.freiburg.de/servlet/PB/show/1231286\\_I1/SS\\_Rotteckring.pdf](http://www.freiburg.de/servlet/PB/show/1231286_I1/SS_Rotteckring.pdf)



# The „old“ library building



© UB Freiburg

Opened in 1978

Fully air conditioned

High energy costs (> 1 M€ p.a.)

Concrete facade already damaged

Harmful building materials

synthetic mineral fibres, asbestos

Insufficient work places for users

Insufficient open stack space

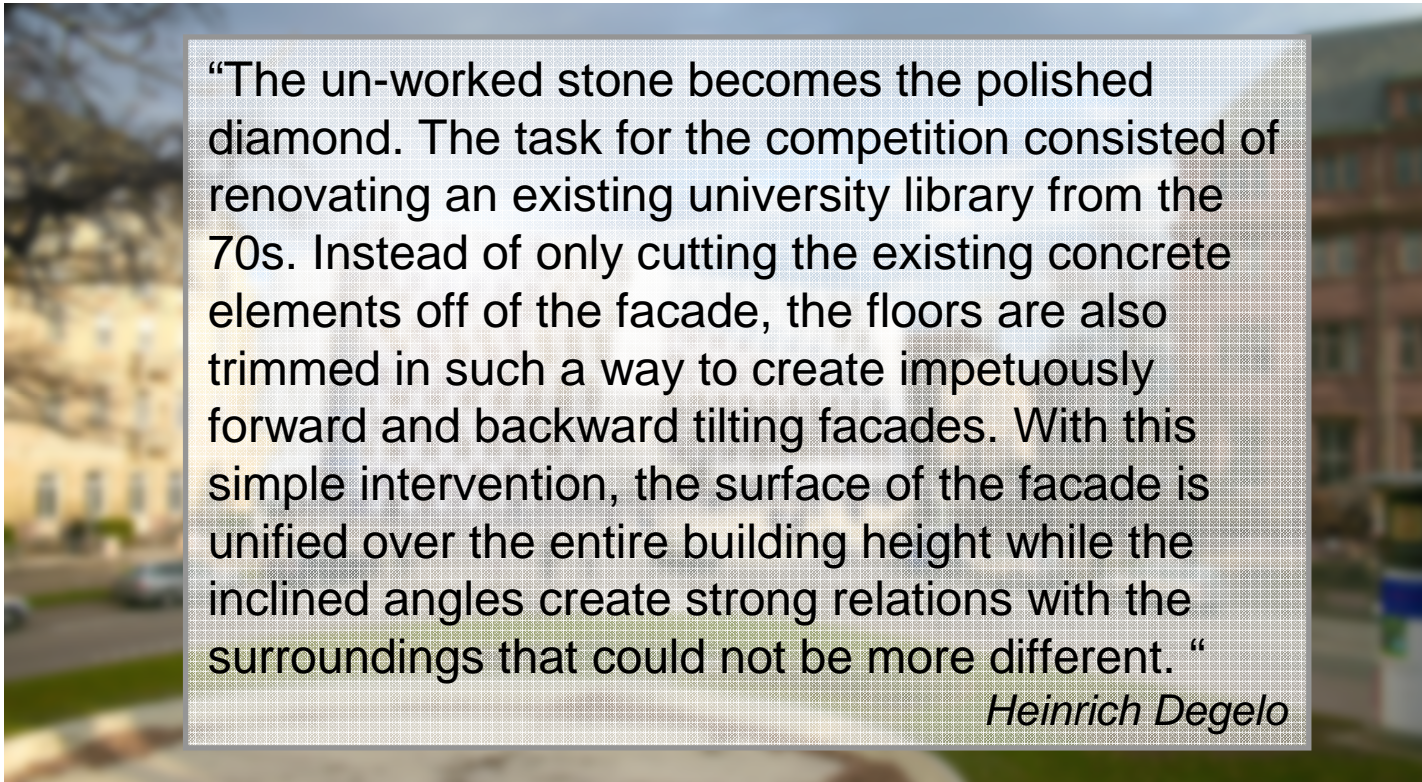
# The new library building



© Degelo Architekten, Basel



# The new library building



“The un-worked stone becomes the polished diamond. The task for the competition consisted of renovating an existing university library from the 70s. Instead of only cutting the existing concrete elements off of the facade, the floors are also trimmed in such a way to create impetuously forward and backward tilting facades. With this simple intervention, the surface of the facade is unified over the entire building height while the inclined angles create strong relations with the surroundings that could not be more different. “

*Heinrich Degelo*

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# Goals for the new library building



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**Reduction of energy costs by 65 %**

Energy efficient facade (glass/stainless steel),  
cooling/heating with well water, solar collectors (2,000 m<sup>2</sup>)

**24/7 opening and self services**

Open stacks (formerly parking deck), self check-out (RFID)

**Differentiated work spaces**

Traditional reading room and modern learning center,

**Modern ICT infrastructure**



# Capacity



© Degelo Architekten, Basel

	Old building	New building	Δ
Gross volume (BRI)	164,900 m <sup>3</sup>	158,900 m <sup>3</sup>	- 3,6 %
Gross floor space (BGF)	41,400 m <sup>2</sup>	41,700 m <sup>2</sup>	+0,7 %
Usable floor space (HNF, library)	26,500 m <sup>2</sup>	30,600 m <sup>2</sup>	+ 15 %
Open stack area	2,200 m <sup>2</sup>	3,800 m <sup>2</sup>	+ 73 %
User workplaces	1,200	1,700	+ 42 %

# Capacity



© Bene, Stuttgart

## Work spaces

1,200 reader seats in the reading room

500 places for group working („Parlatorium“)

New media centre, conference rooms, cafeteria, lecture halls

## Collections

230,000 volumes in the reading room

700,000 volumes in the open stack

3.5 million volumes in the closed stacks

# Our concept

studying | researching | collaborating



Privacy

Concentration  
Confidentiality  
Reflection

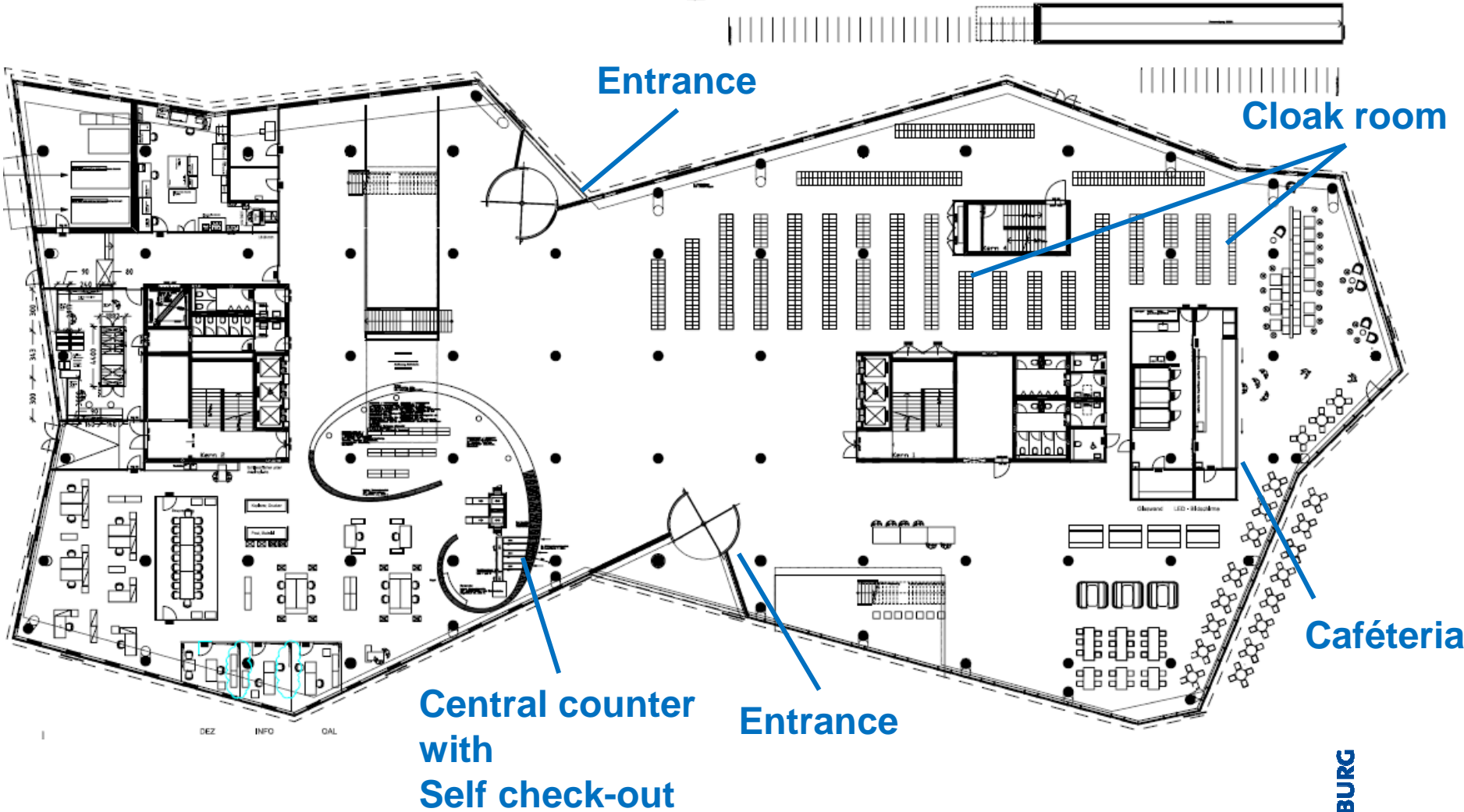
Interaction

Communication  
Group work  
???



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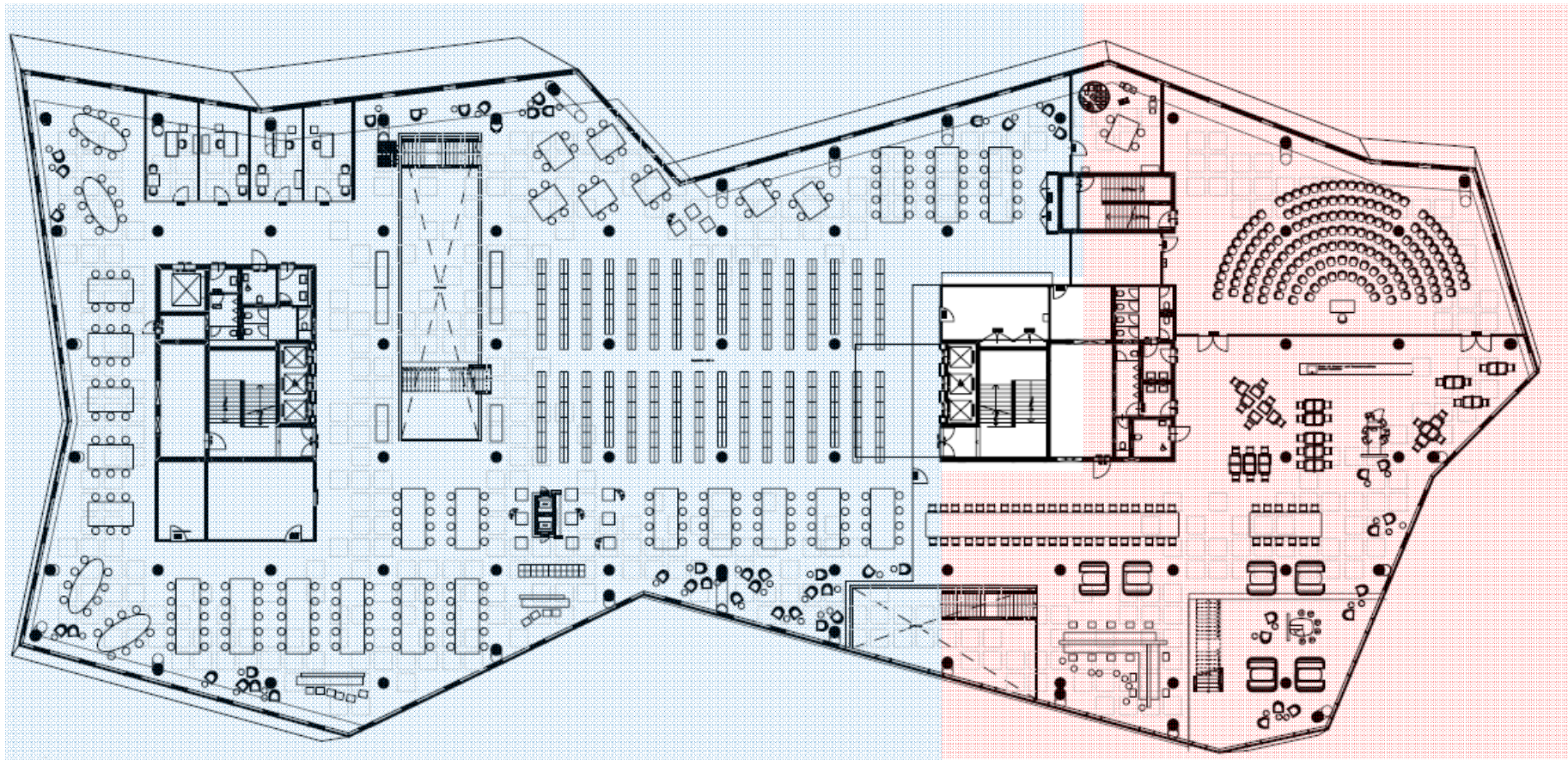
# Ground floor



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# First floor



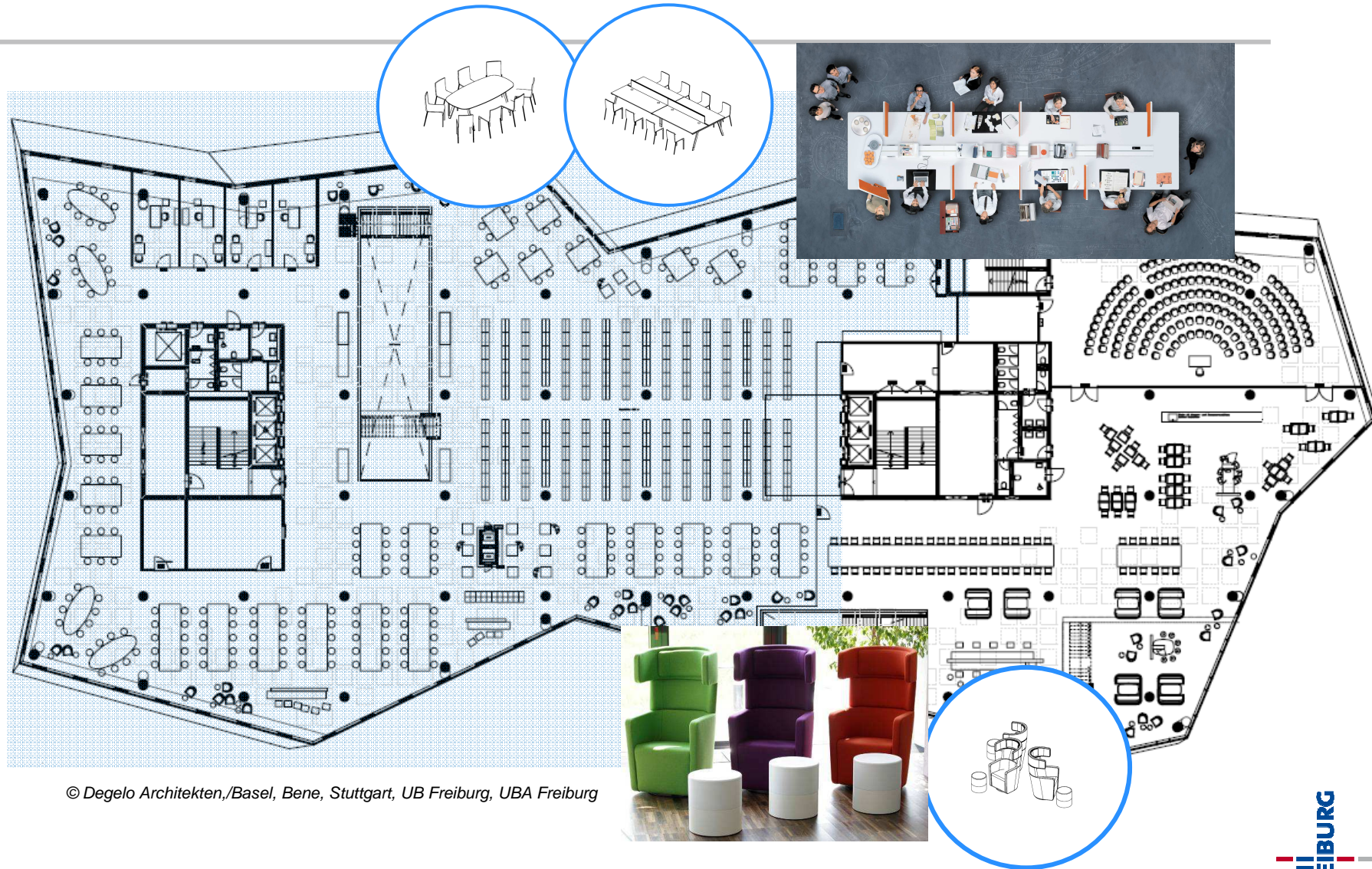
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 **Reading room**  
Area for concentration

 **Parlatorium**  
Area for communication



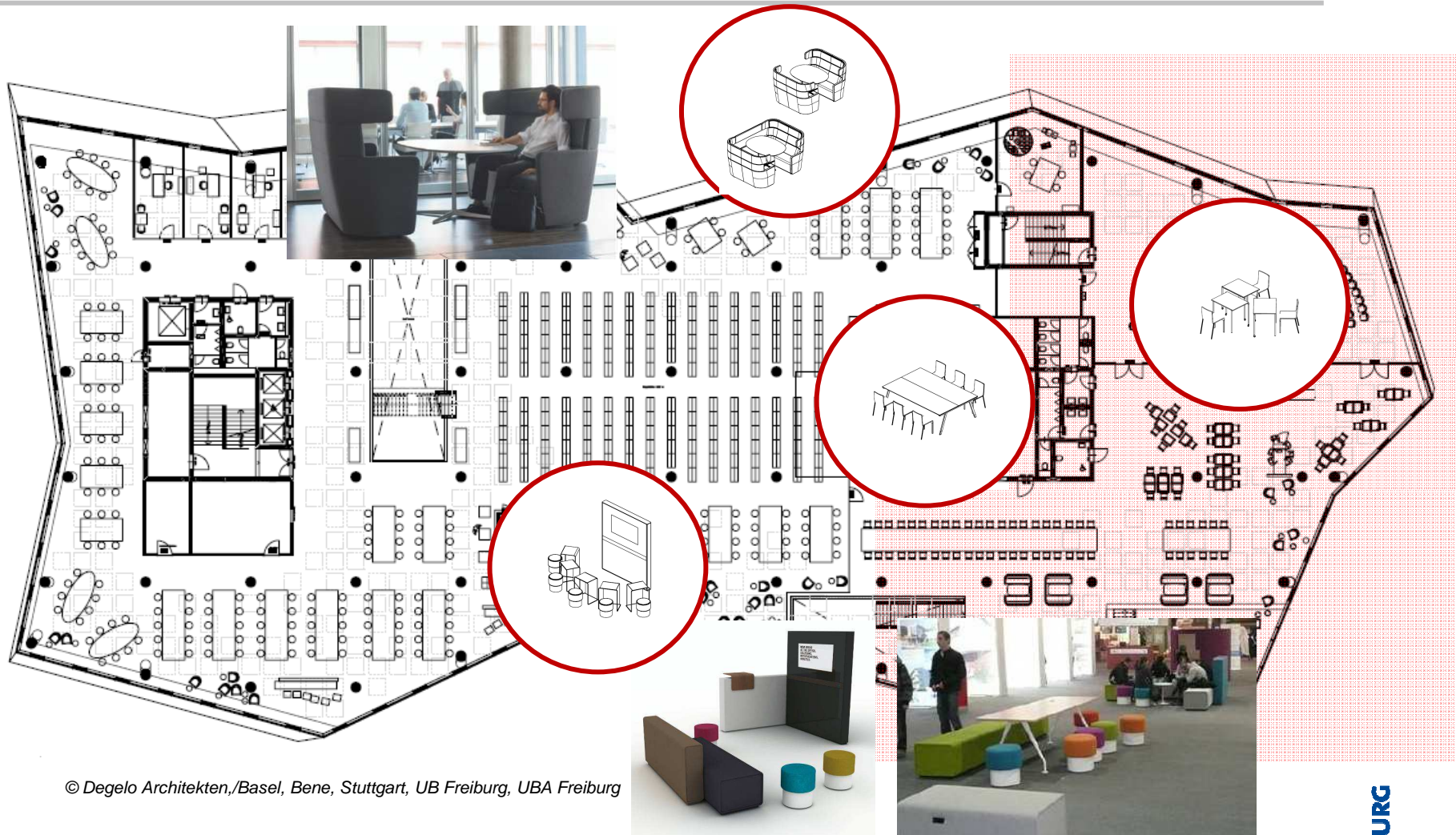
# First floor



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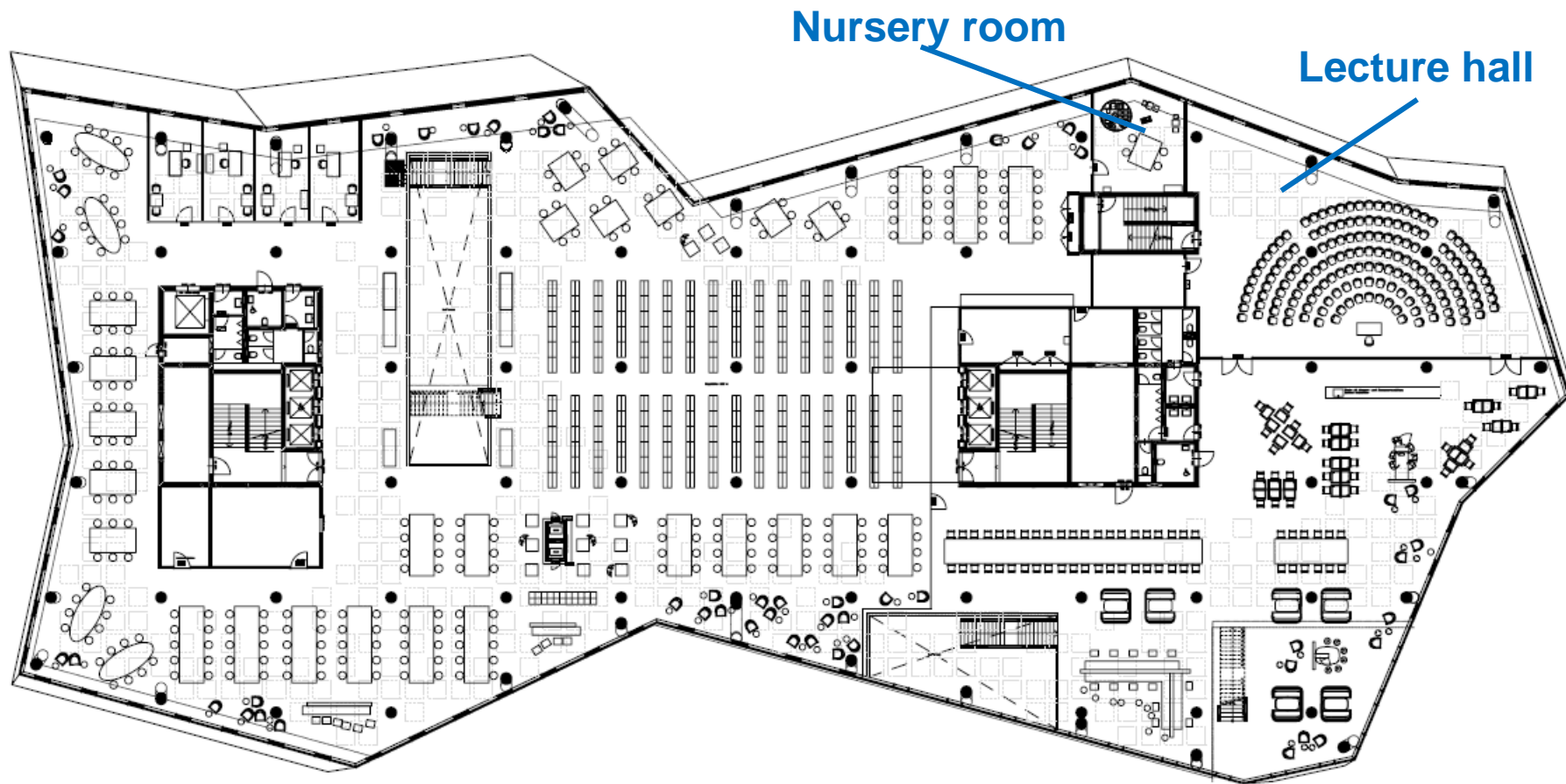


# First floor



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# First floor

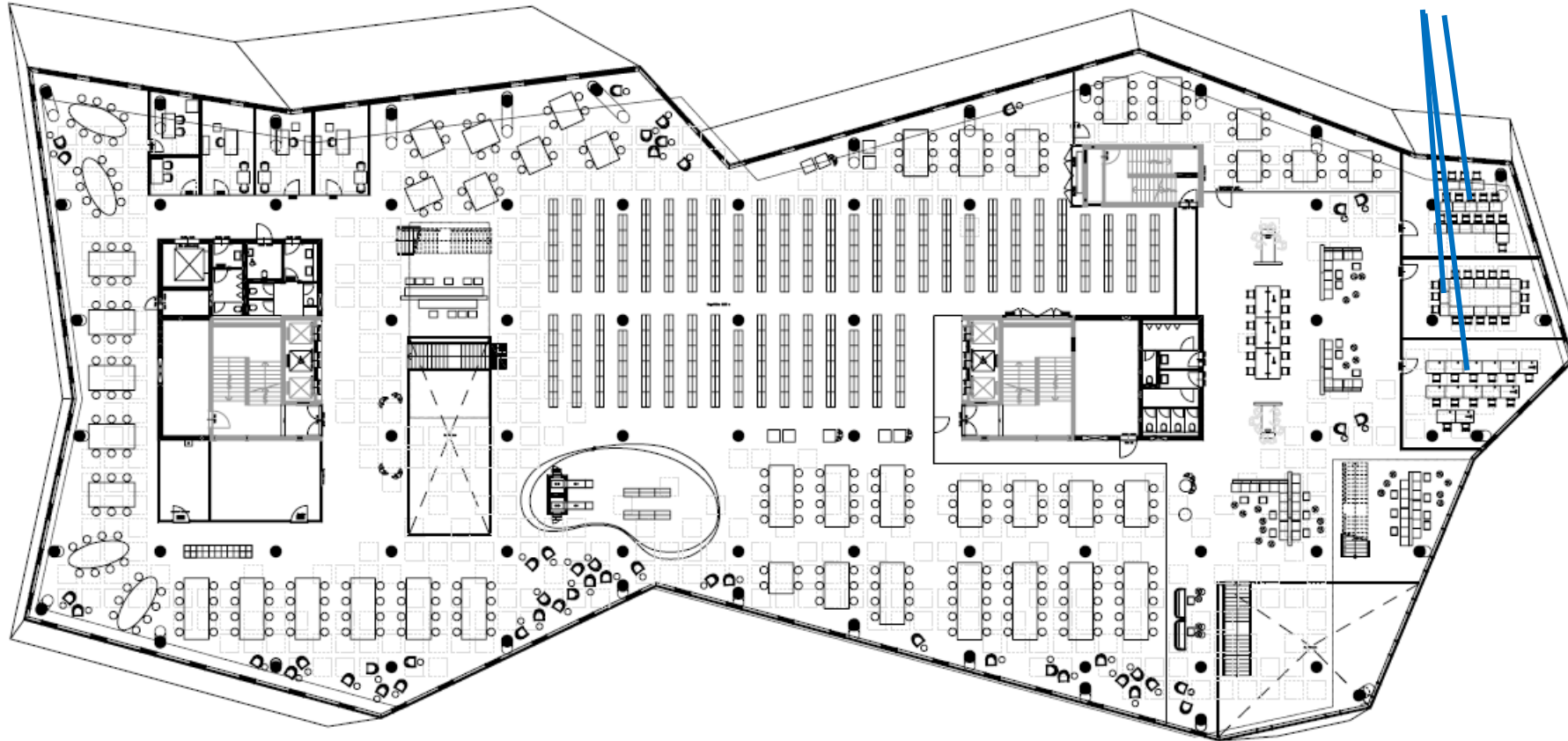


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# Second floor

Lecture rooms

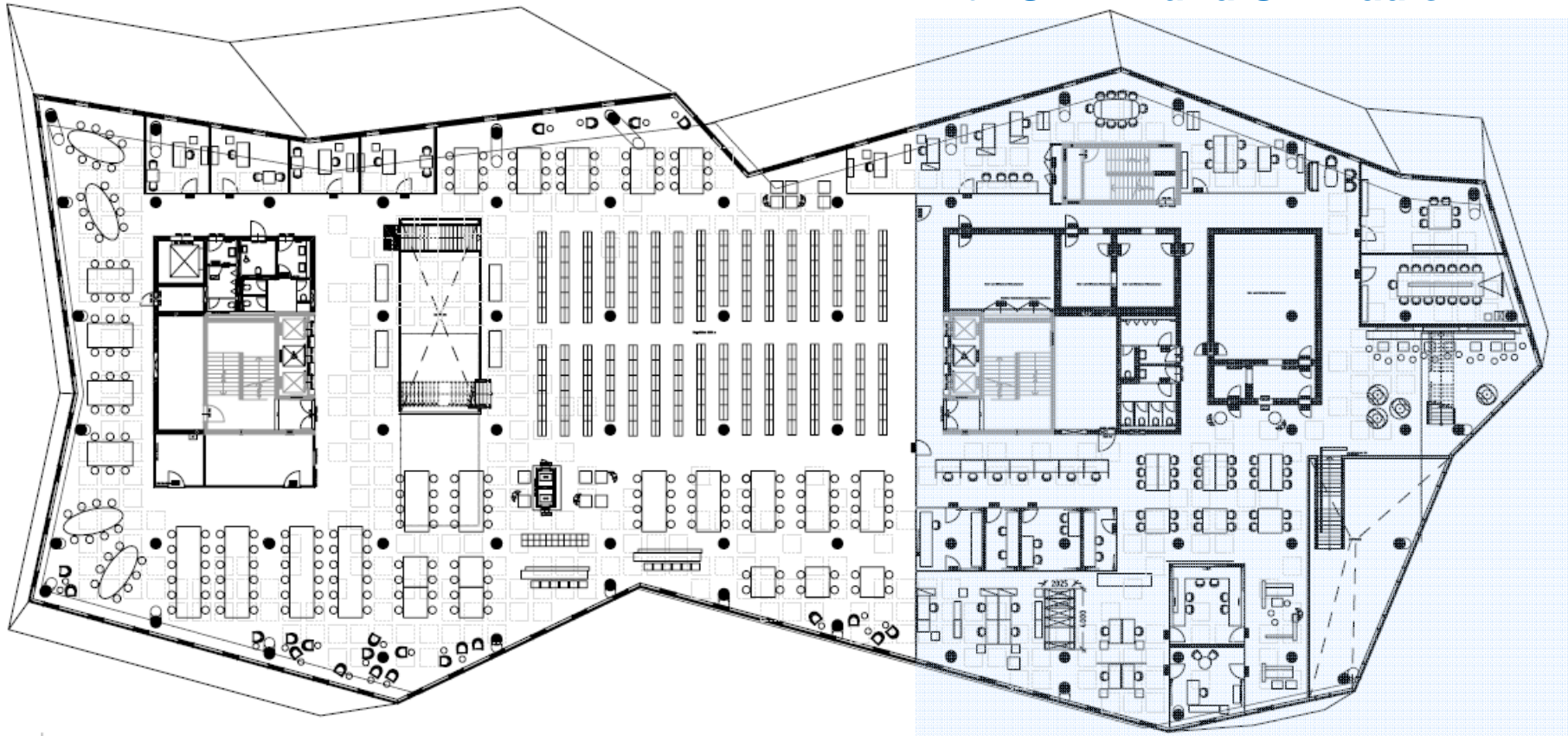


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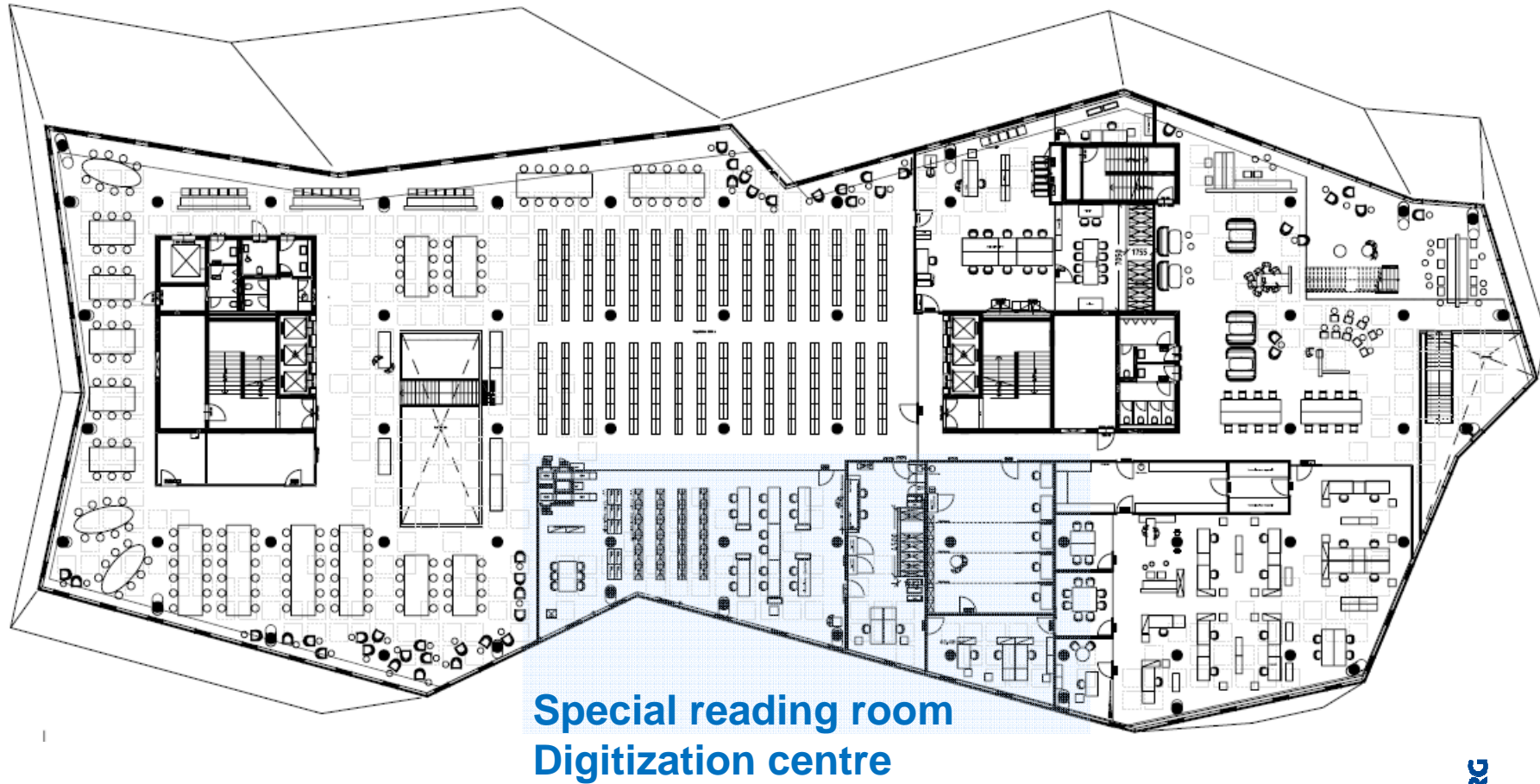
# Third floor

New media centre  
with Uni-TV und Uni-Radio



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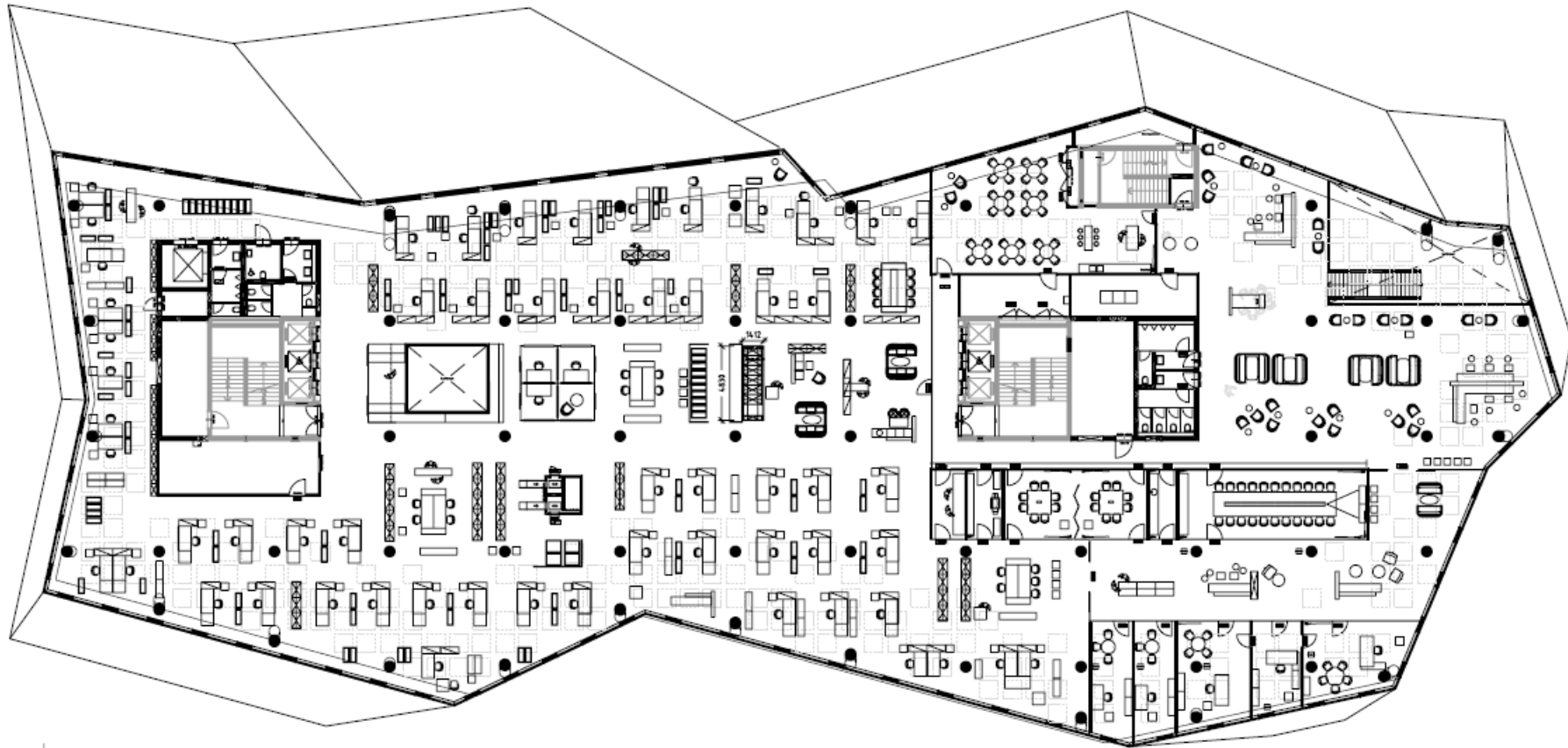
# Fourth floor



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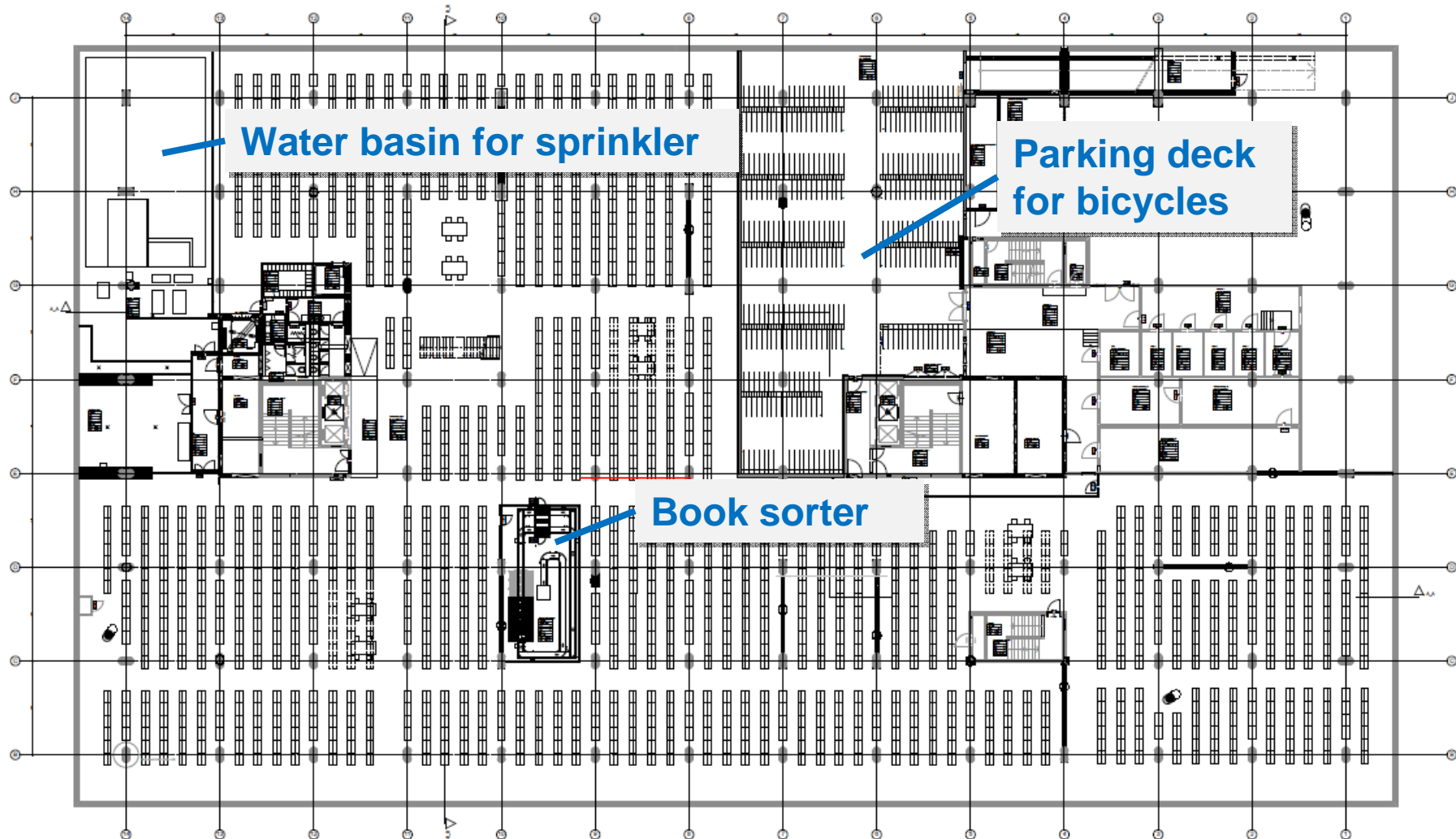
# Fifth floor – open office



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# First basement floor – formerly parking deck

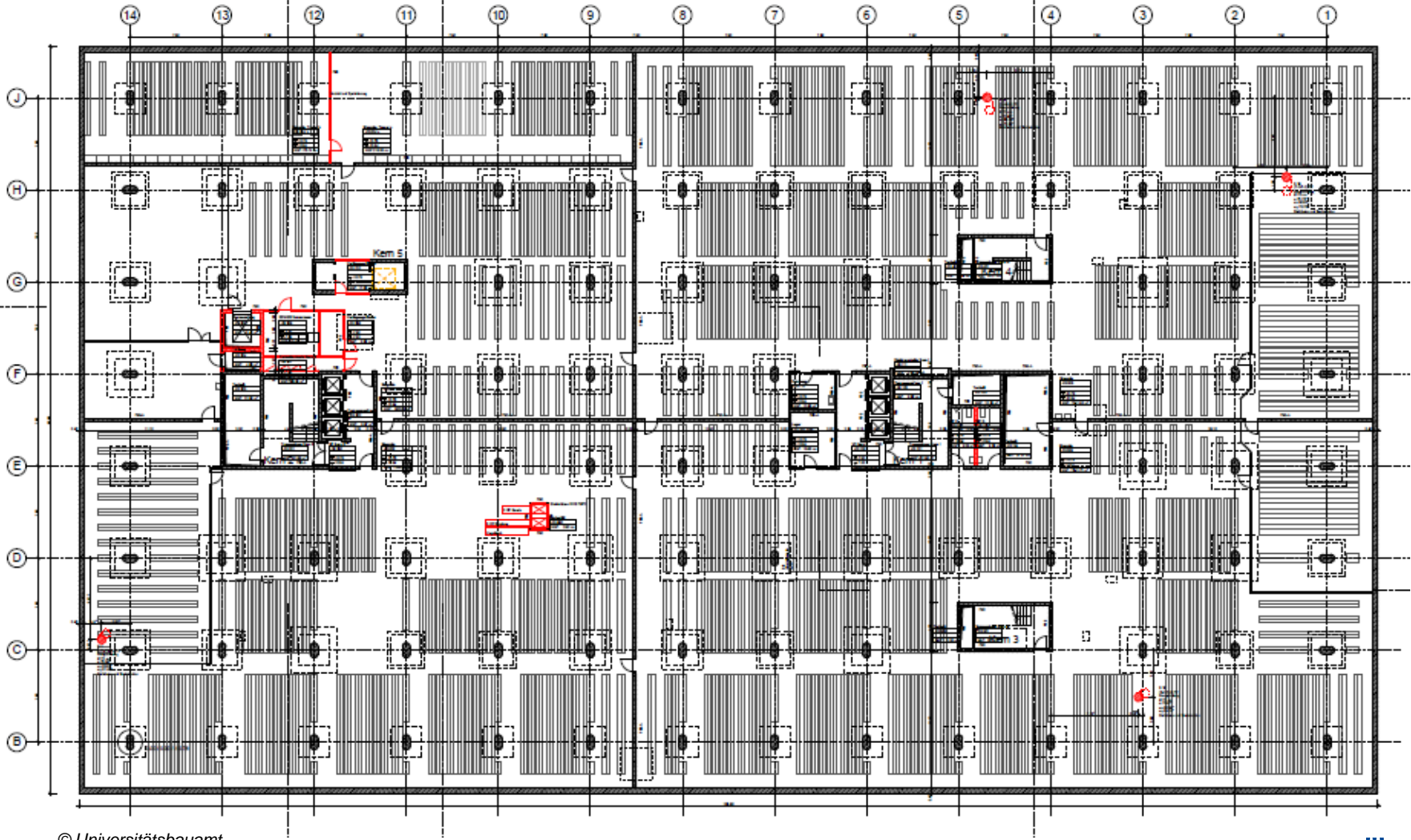


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105 m x 60 m = 6.300 m<sup>2</sup>

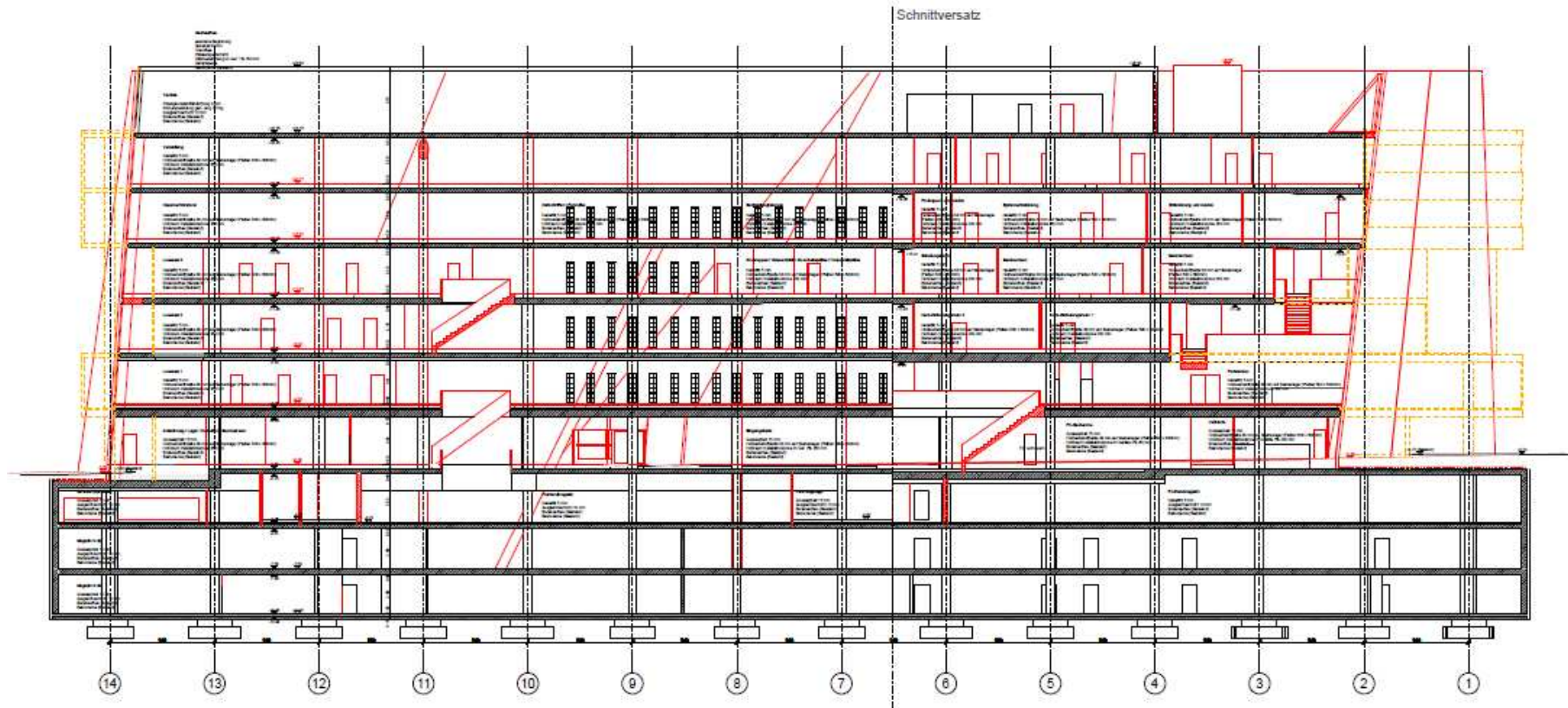
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# Second and Third basement floor – closed stacks



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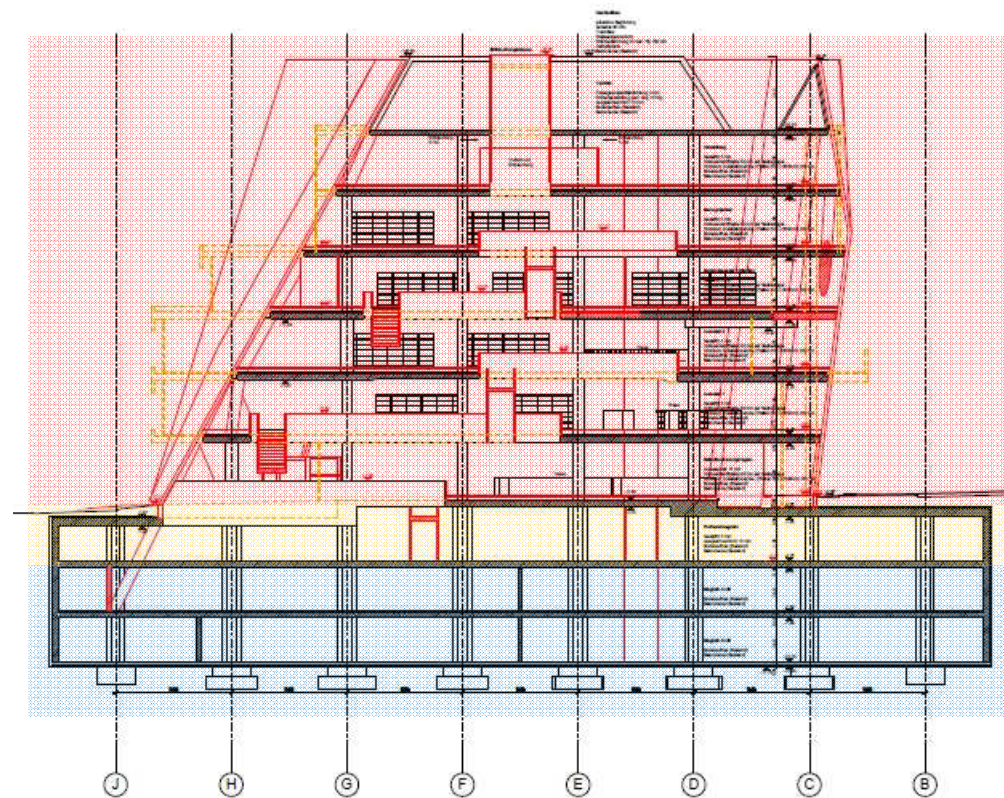
# Sectional view (A-A)



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# Sectional view (B-B)



## Demolition/Rebuilding

- +5 Open office
- +4 Reading rooms,
- +3 Parlatorium...
- +2
- +1
- 0 Entrance, Café

## Conversion

- 1 Open stack

## Operating

- 2 Closed stacks
- 3

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# Library services during the renovation

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## UB 1



© UB Freiburg

Reading room  
350,000 volumes  
950 working places

## UB 2



© UB Freiburg

Lending department  
Reading room for raw materials  
New media centre





# Thank you very much!



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