

An architectural rendering of a modern urban plaza. On the right, a long, low building with a light-colored, perforated facade featuring a grid of oval openings. A paved walkway made of rectangular bricks leads from the foreground towards the building. To the left of the path is a landscaped area with green trees and purple flowers. In the background, a church with a tall, pointed steeple is visible under a clear sky. A few people are walking on the path, and two butterflies are flying in the air.

COMPLEX PROJECTS

# **A NEW EXPERIENCE OF TRIALS**

## **THE BERLIN REGIONAL CRIMINAL COURT**

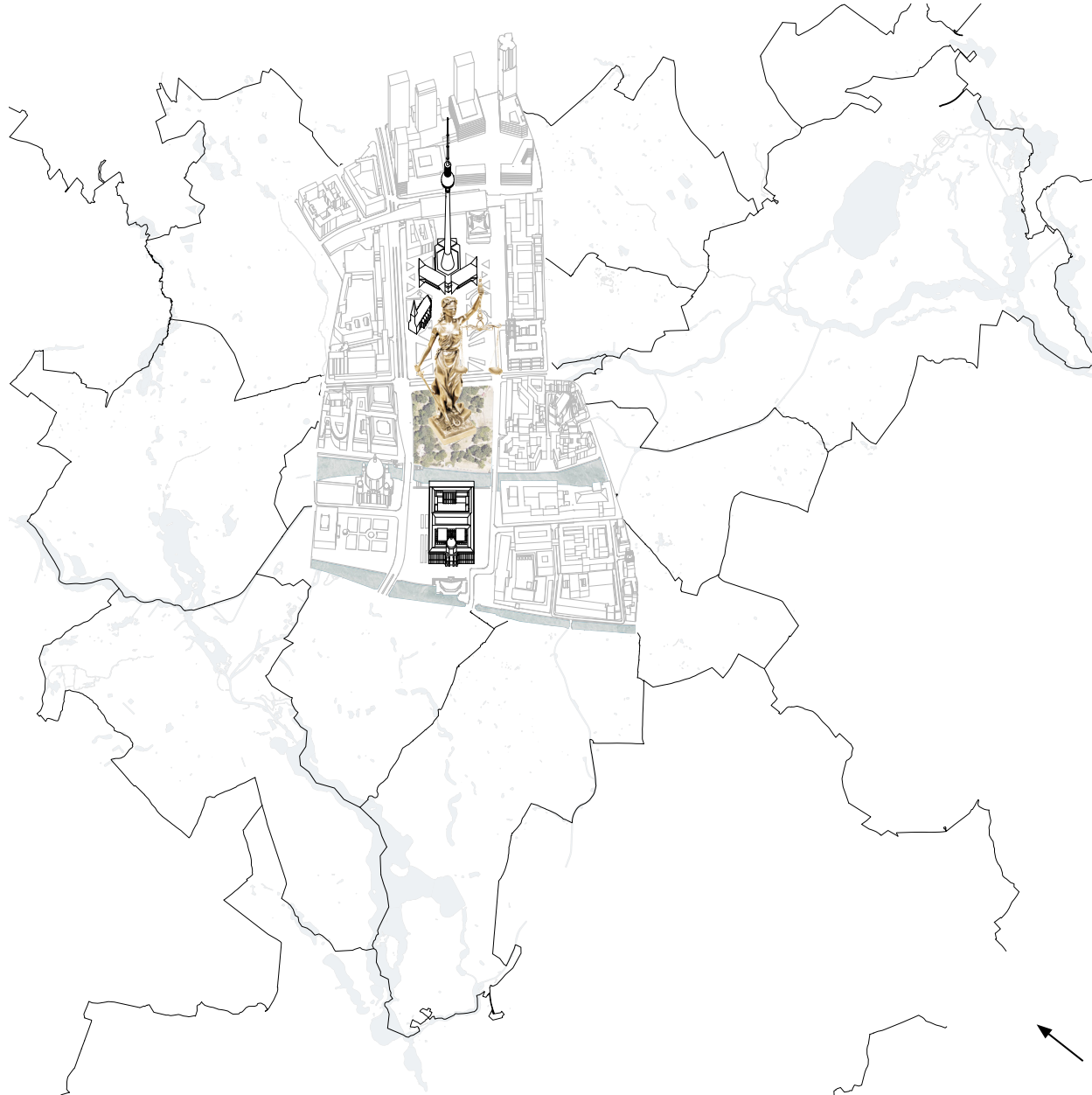
Elin Lohe

04/07/2023



Project

# NEW REGIONAL CRIMINAL COURTHOUSE FOR BERLIN

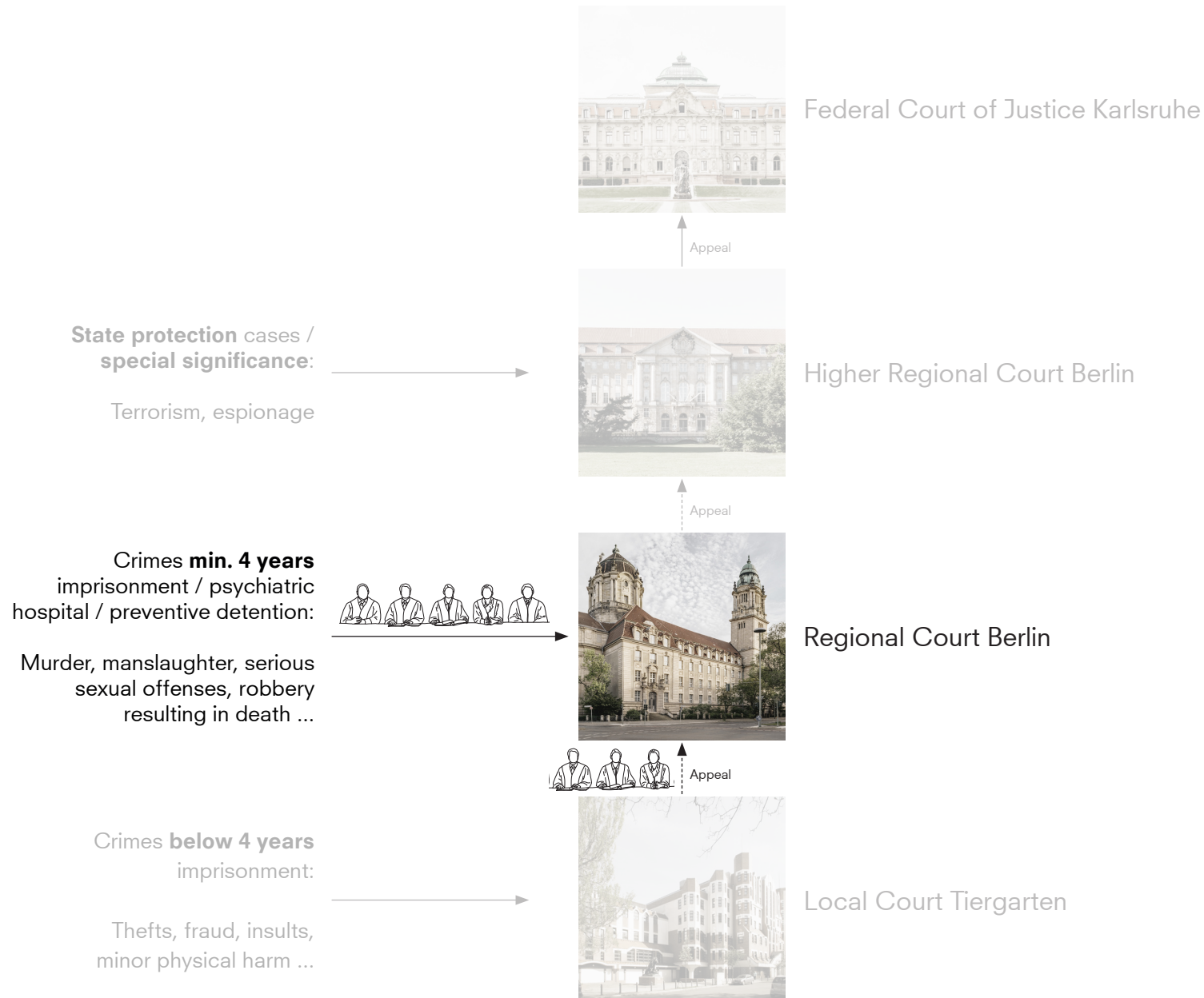




# INTRODUCTION



# GERMAN COURT ORGANIZATION. CRIMINAL CASES





# CRIMINAL COURT MOABIT. 1906

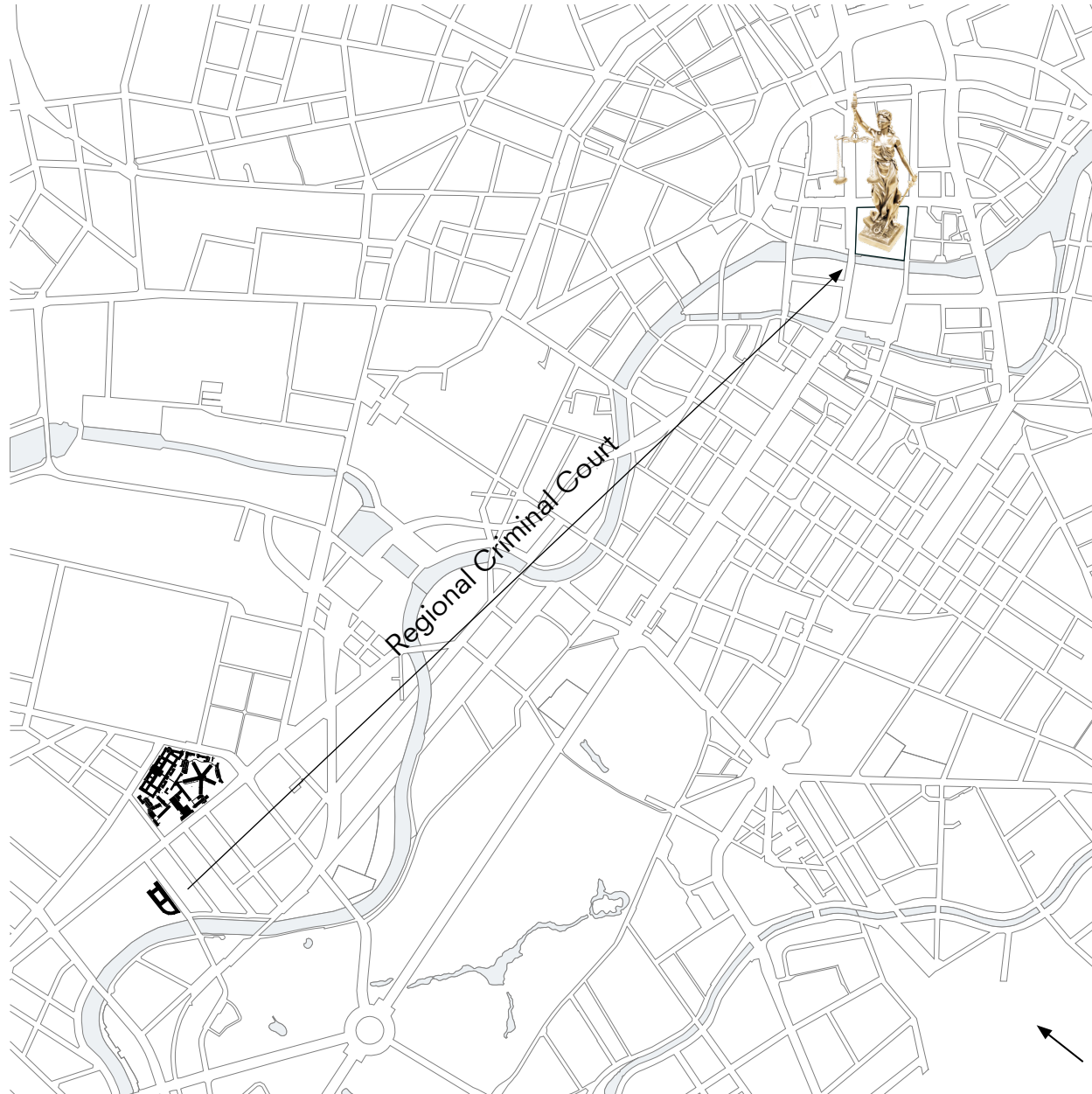




# CRIMINAL COURT MOABIT. 1906



# A NEW CRIMINAL COURTHOUSE FOR BERLIN





Introduction. Project

# RESEARCH QUESTION

What **spatial qualities** influence the **user's experience** in a manner that improves the **efficiency of processes** in a courthouse?

# Introduction. Project **RELEVANCE**



What **spatial qualities** influence the **user's experience** in a manner that improves the **efficiency of processes** in a courthouse?

↓  
Fair and **correct exercise of justice**



Introduction. Project

# EMOTIONAL IMPACTS



**Stress**

**Conflict**

**Concentration**

# RESEARCH



Research

# CRITICAL FEATURES. ORGANIZATION



## Security

Düsseldorf Local and Regional Court. 2010



## Division of flows

Antwerp Law Courts. 2005



## Waiting areas

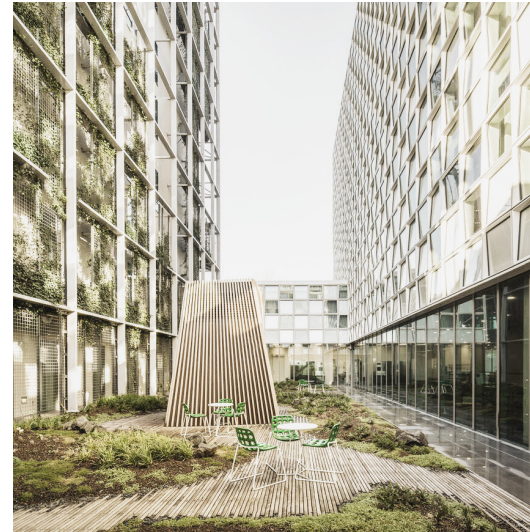
Brisbane Supreme and District Court. 2012

# CRITICAL FEATURES. ATMOSPHERE



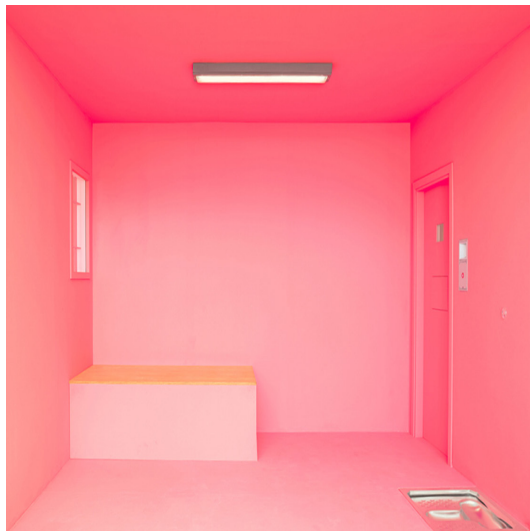
## Light

Antwerp Law Courts. 2005



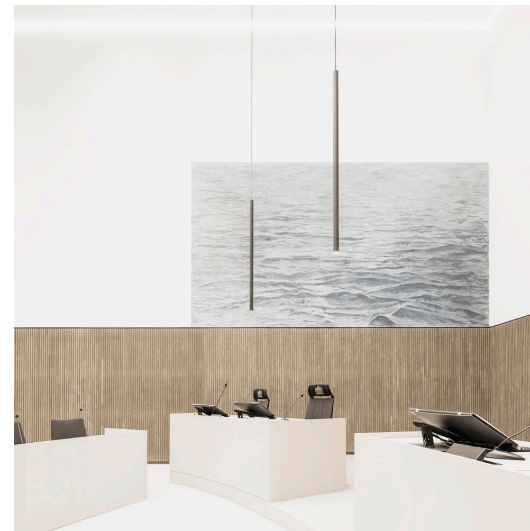
## Natural elements

International Criminal Court. 2015



## Materials and Colors

Cool Down Pink  
Lenzburg detention center



## Courtroom art

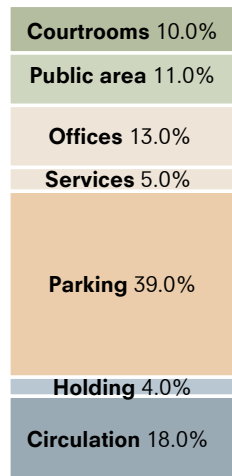
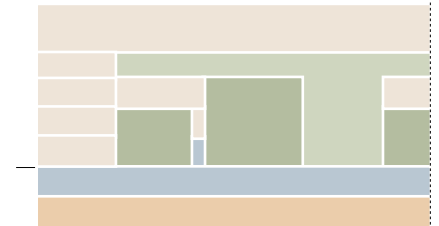
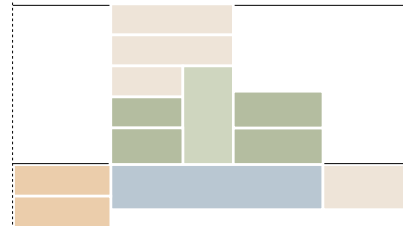
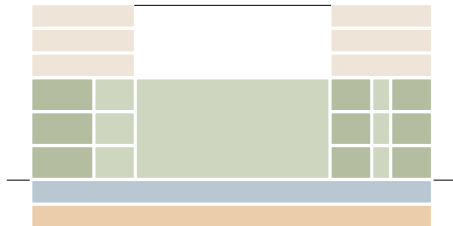
Courthouse Amsterdam. 2020

# PROGRAM

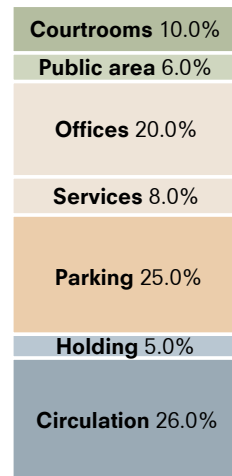


# Program

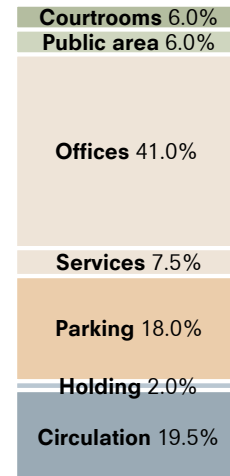
## CASE STUDIES



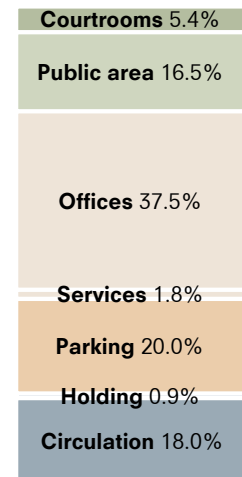
**Düsseldorf Local and Regional Court. 2010**



**New Criminal Justice Center Munich. 2013 -**



**Antwerp Law Courts. 2005**



**Nantes Courthouse. 2000**

# Program **AREAS**



**Outdoor space**



**Public area**



**Restricted area**

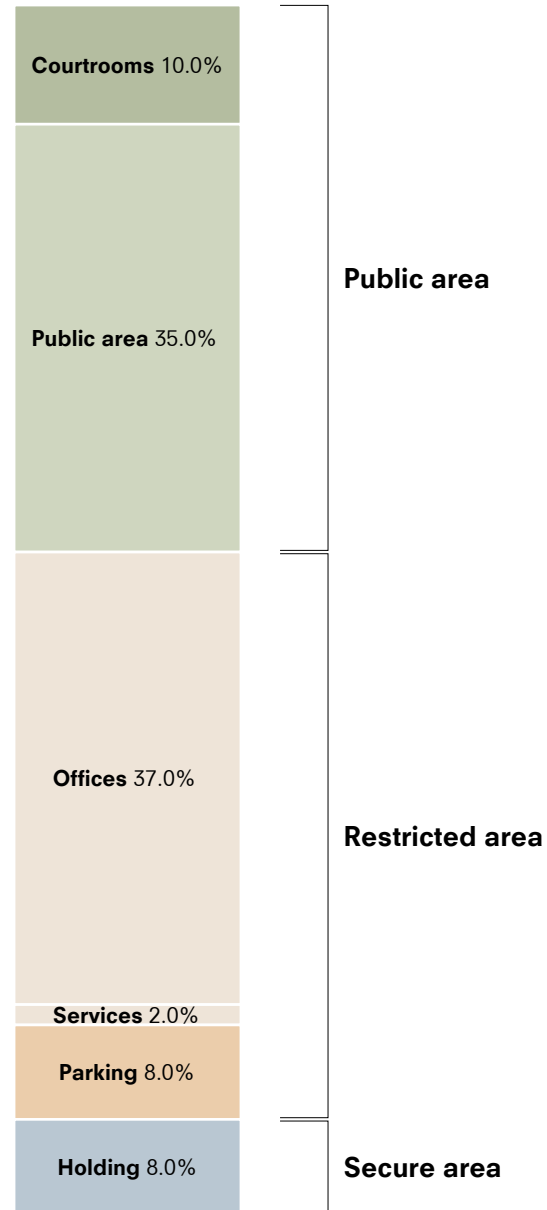


**Secure area**



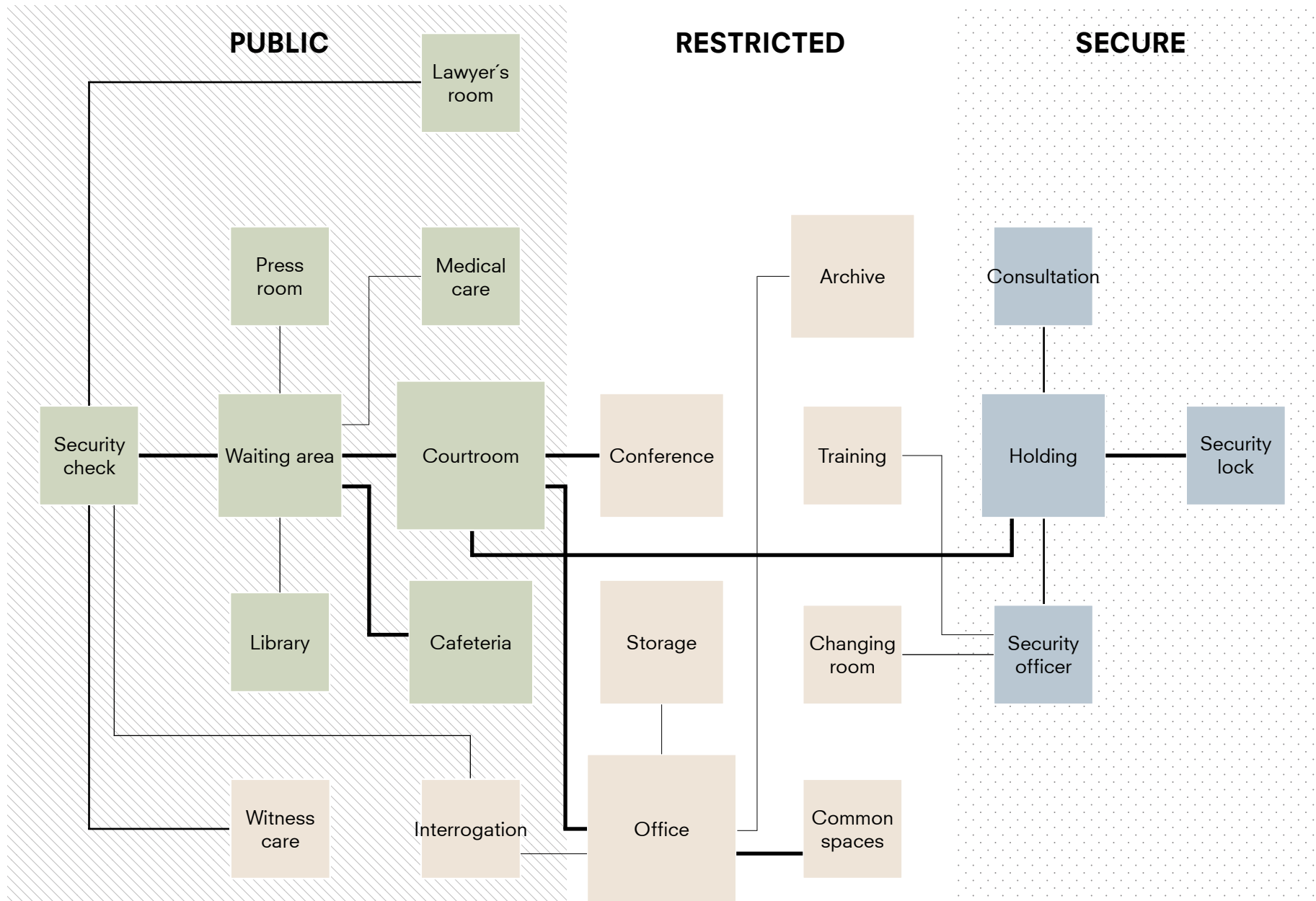
# Program RATIO

**Gross: 37 000 m<sup>2</sup>**  
**Net: 31 800 m<sup>2</sup>**

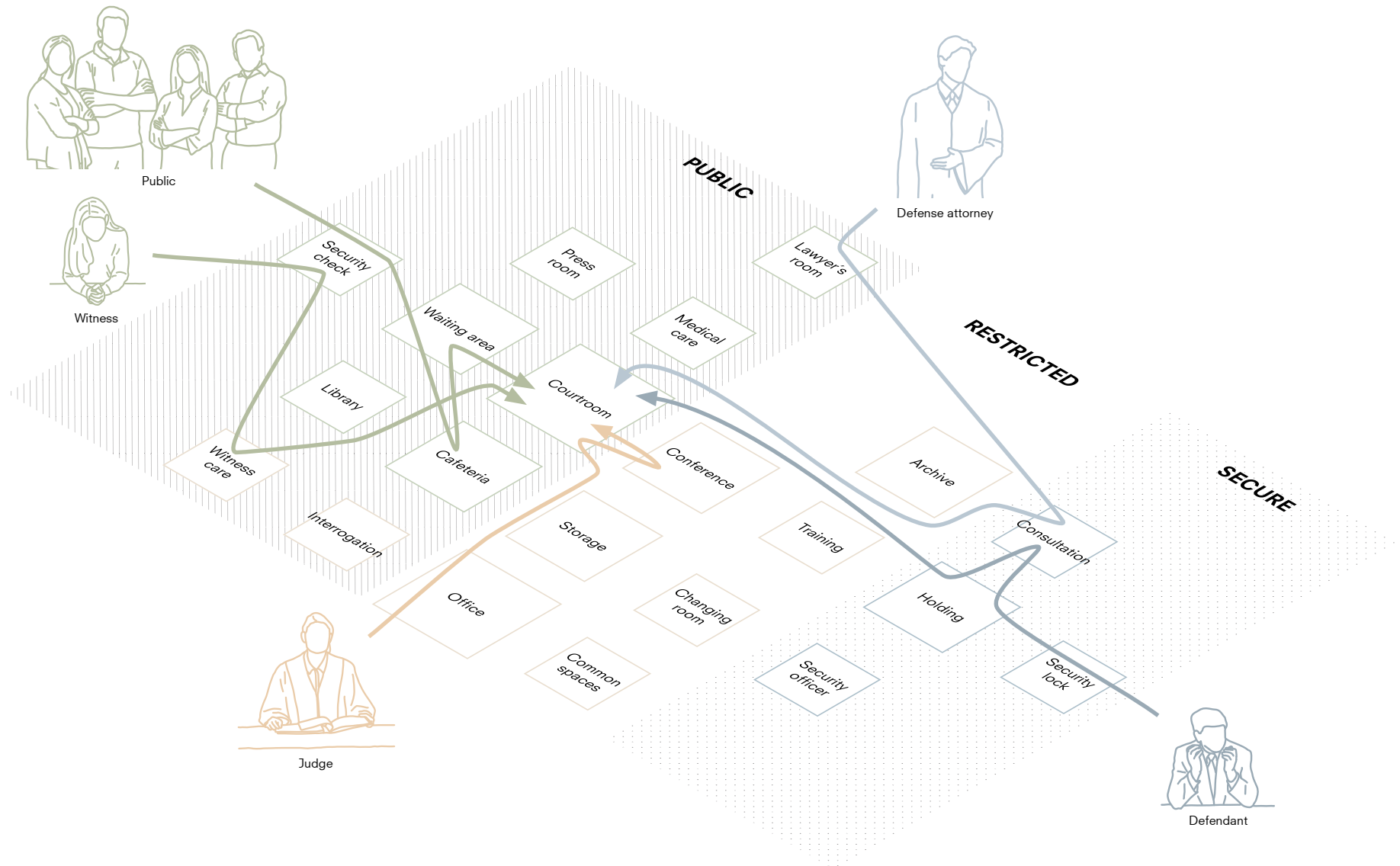




# Program SPATIAL RELATIONS



# Program FLOWS



**SITE**

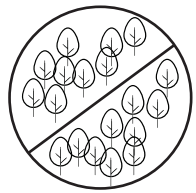
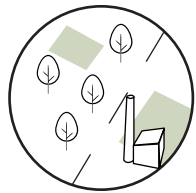


Site

# IN CONTEXT OF BERLIN



# Site ENVIRONMENT GROUP



— Green corridor

# Site

## SITE REQUIREMENTS



**1. Accessible by public transport**



**2. Connection to main road network**



**3. Connection to pretrial detention Moabit**



**4. No traffic congestion**



**5. Two adjacent roads of 12m width**



**6. Landmark / Vocal Point**

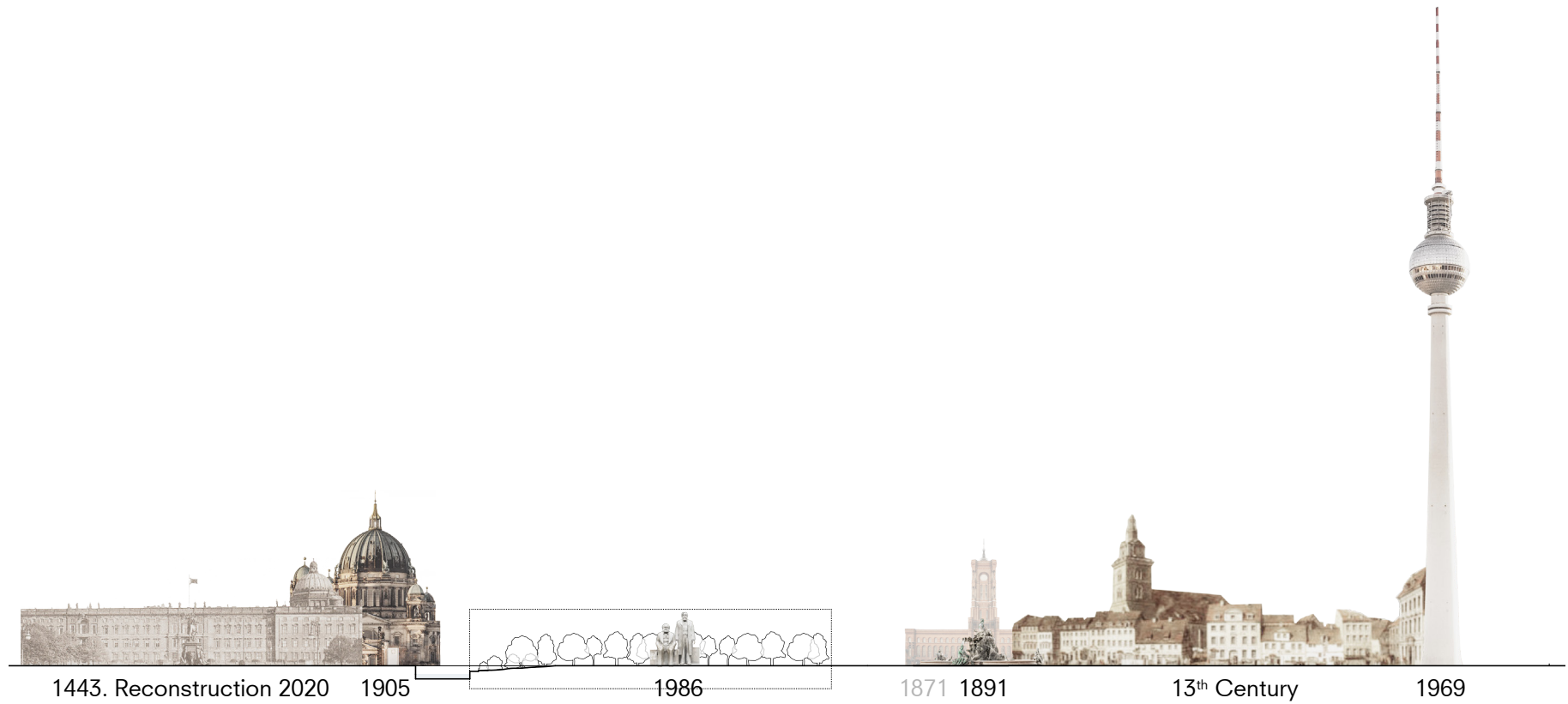


Site

# MARX-ENGELS-FORUM



# Site HISTORY





Site

# ELEVATION. SOUTHWEST





Site

# ELEVATION. SOUTHEAST

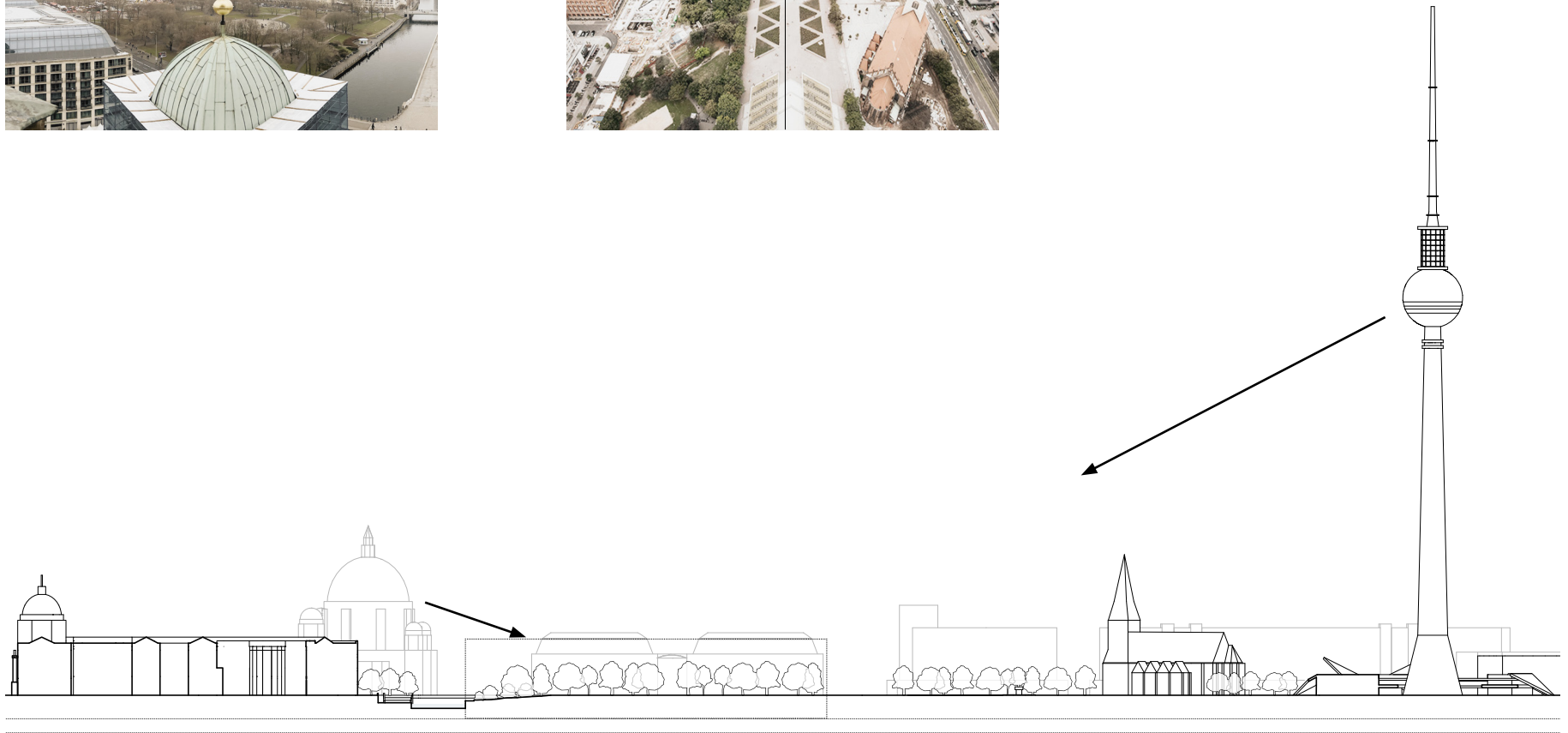




Site  
**ON SITE**



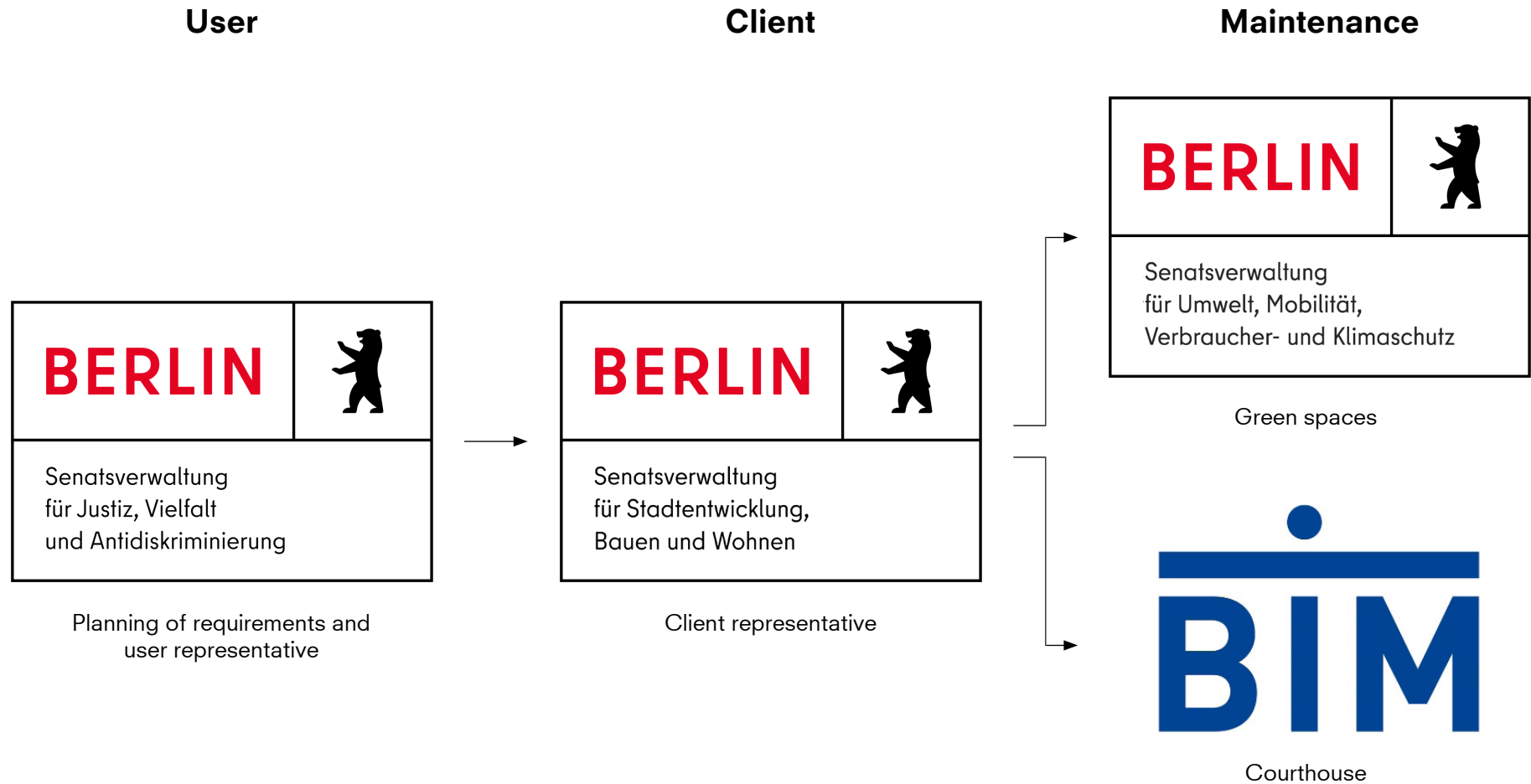
# Site VISIBILITY



**CLIENT**

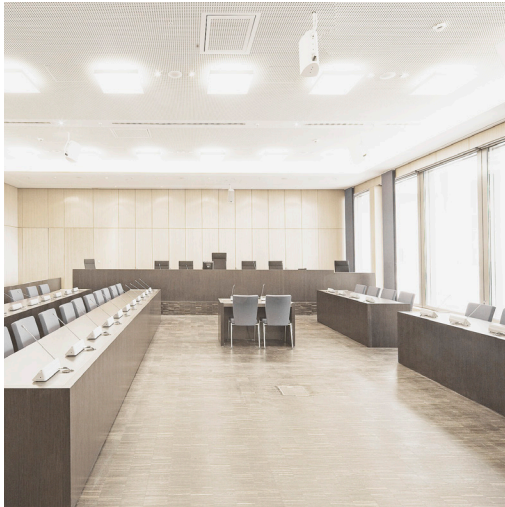


# Client RESPONSIBILITIES



Client

# STAKEHOLDER



**Courthouse user**



**Citizens**



**City of Berlin**

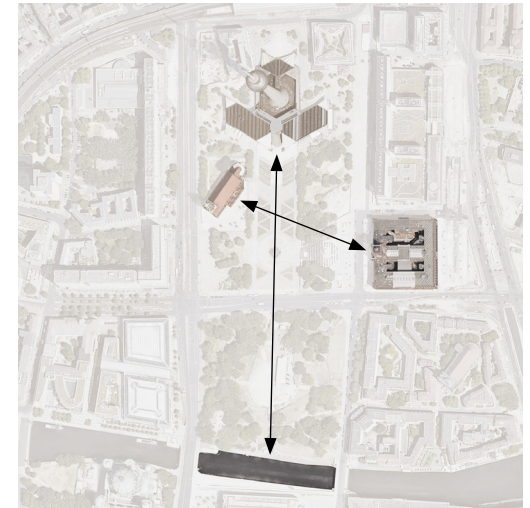
# REQUIREMENTS. GUIDELINES FOR BERLIN CITY CENTER 2016



**Improvement green spaces**

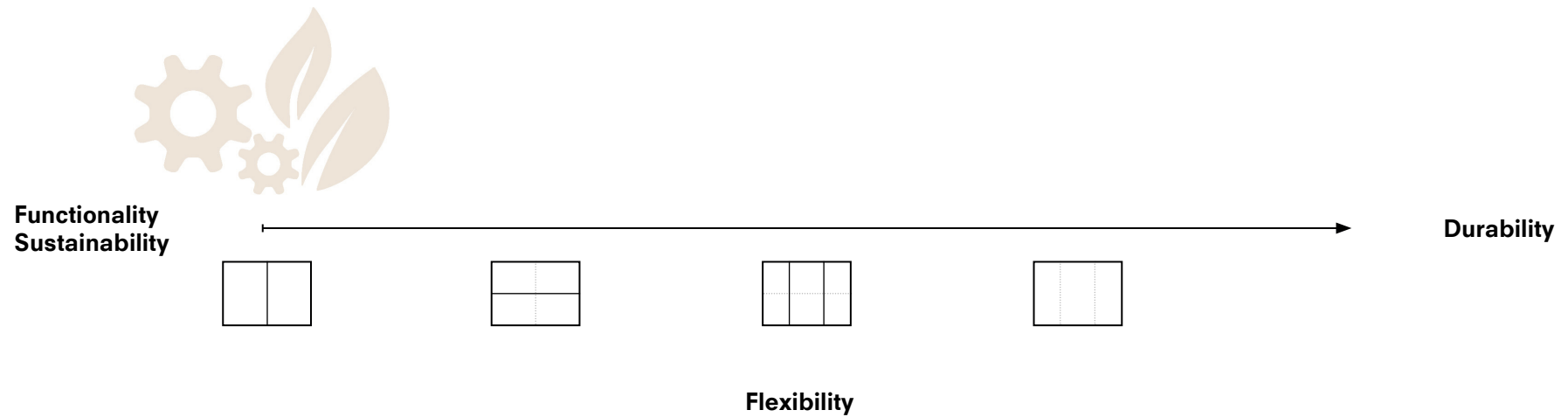


**Public access to Spree**



**Visual relations**

# REQUIREMENTS. BASED ON INTERVIEW DATA

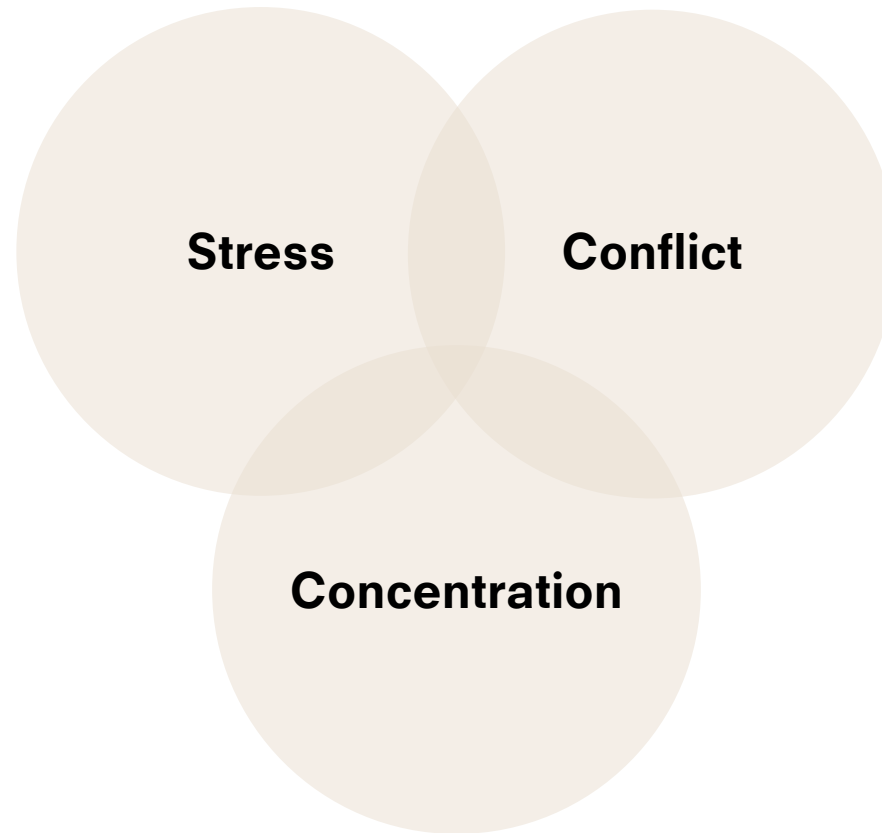




# CONCEPT

Concept

# FOCUS



# FACTORS IMPROVING SMOOTH PROCESSES

**Understanding of the  
organization**

**Orientation**

**Stress**

**Conflict**

**Concentration**

# FACTORS IMPROVING SMOOTH PROCESSES





# FACTORS IMPROVING SMOOTH PROCESSES



**Organization**

**Orientation**

**Stress**

**Conflict**

**Concentration**

Concept

# STRESS. ORGANIZATION



## Main hall

Public. Containing courtrooms

Concept

# STRESS. ORGANIZATION



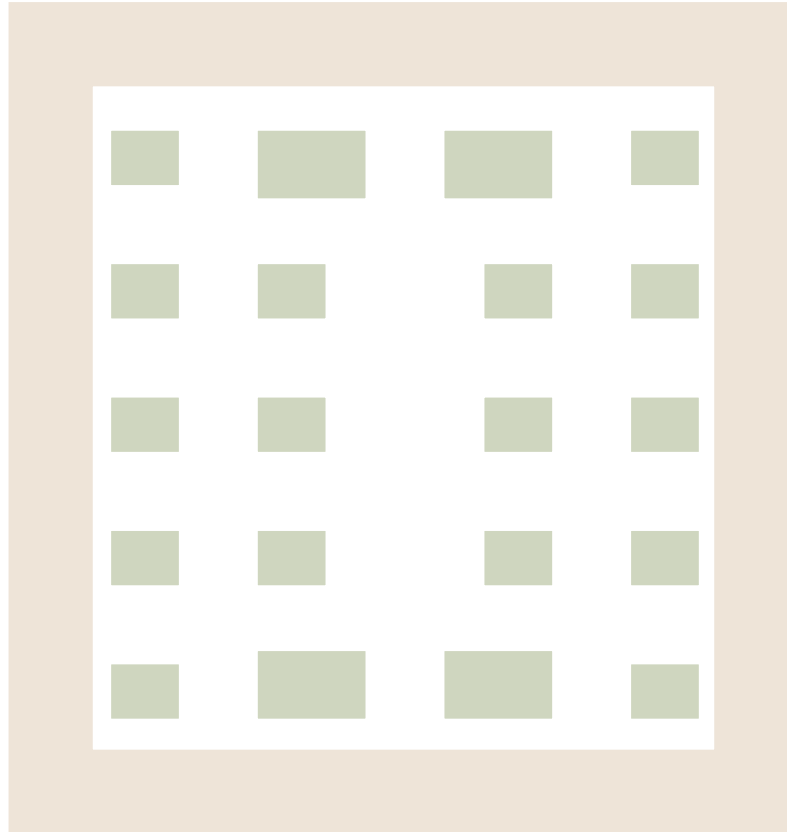
## Supporting functions

Offices. Security check. Holding cells. Parking. Cafeteria. Library



Concept

# STRESS. ORGANIZATION



## Courtrooms

Concept

# **STRESS. ORGANIZATION**

**SEPARATION FROM SURROUNDINGS**



**SHIELDING FROM DISTRACTION**



**INTERNAL FOCUS ON TASK**

Organization

Orientation

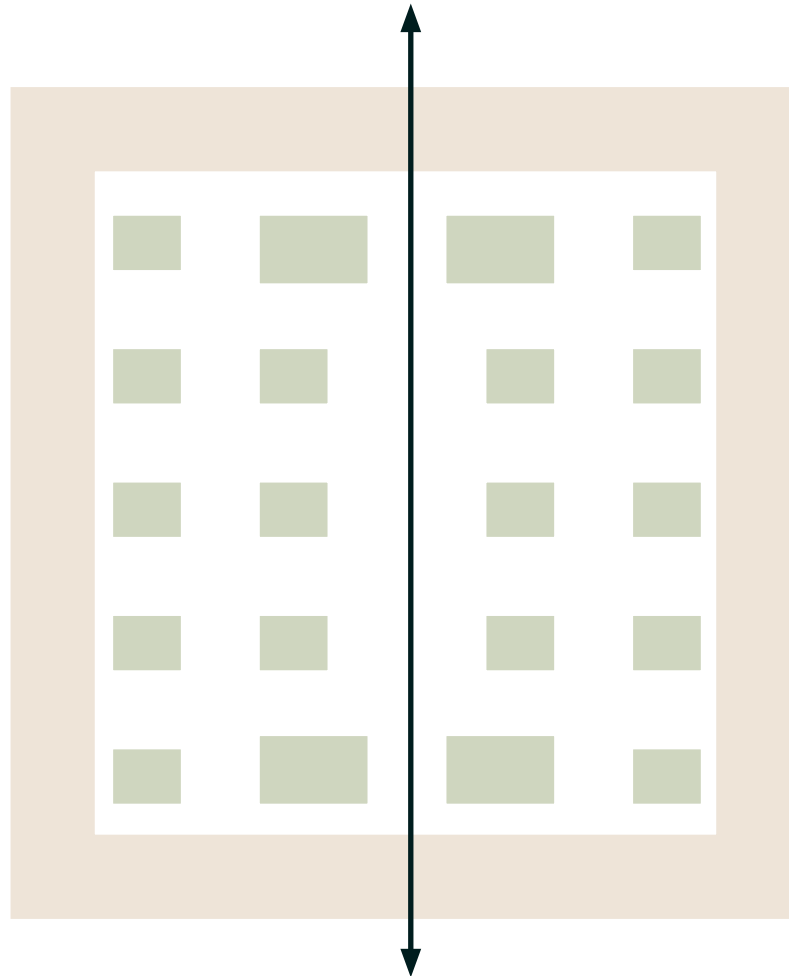
**Stress**

**Conflict**

**Concentration**

Concept

# STRESS. ORIENTATION



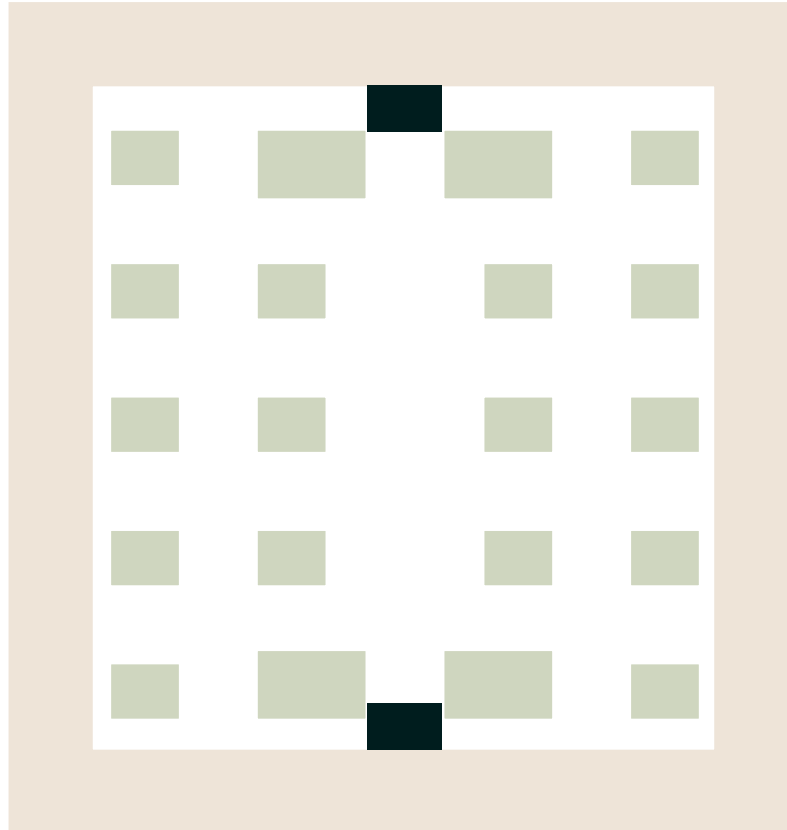
## Main axis

Connecting TV-tower and Spree



Concept

# STRESS. ORIENTATION

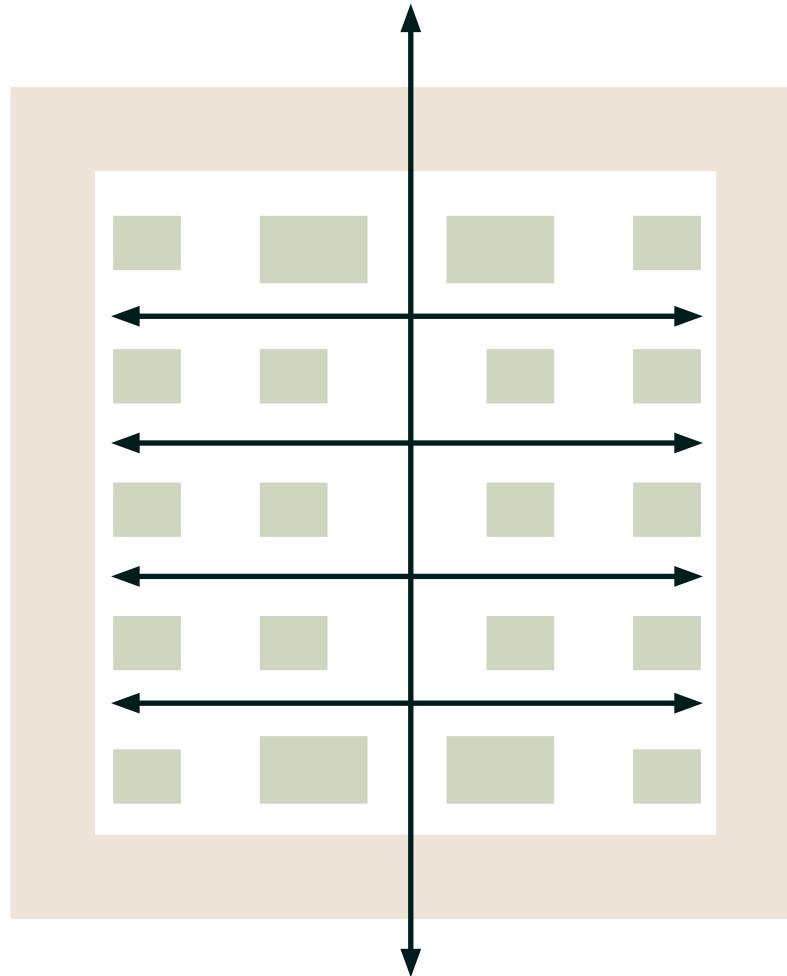


## Mezzanine

Elevated entering

Concept

# STRESS. ORIENTATION



## Corridors

Entrances to courtrooms

Concept

# **STRESS. ORIENTATION**

**OVERVIEW OF BUILDING**



**IMMEDIATE UNDERSTANDING OF ORGANIZATION**

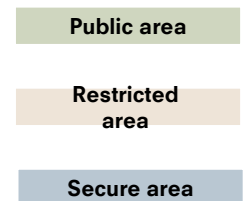




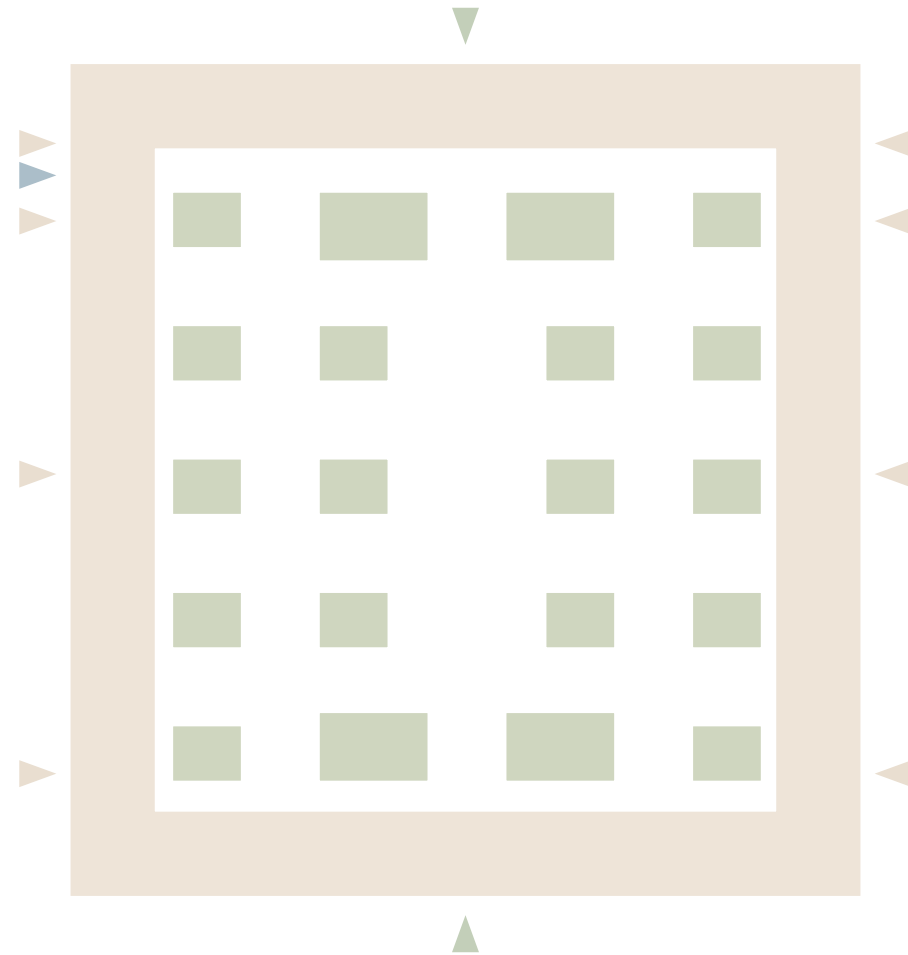
# Concept **CONFLICT**



## **Security zones**

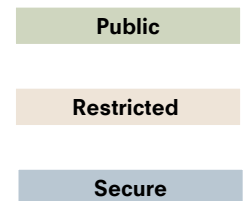


# Concept **CONFLICT**

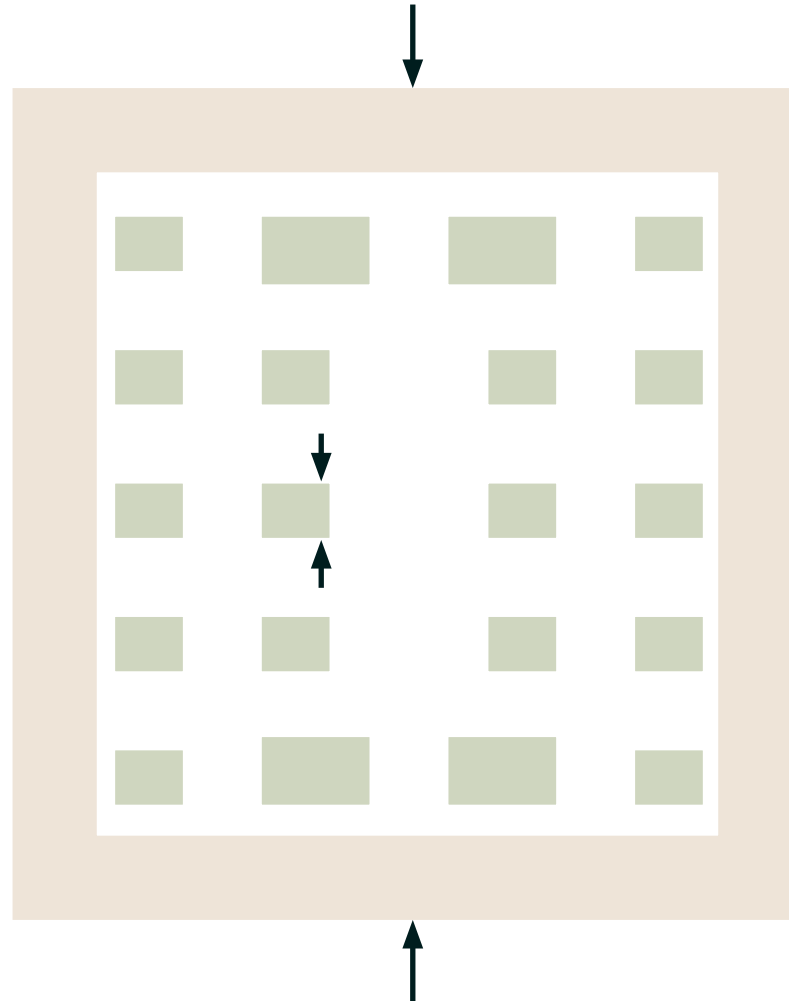


## **Different entrances to security zones and circulation**

Division of potentially conflicting parties



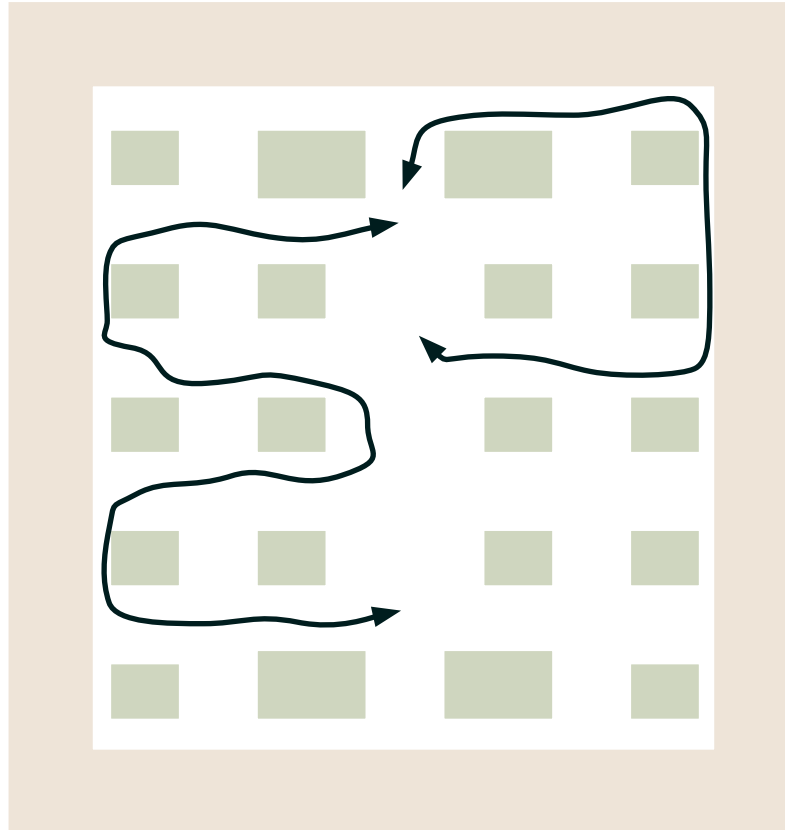
# Concept **CONFLICT**



**Two entrances**  
Allows avoidance

# Concept

## CONFLICT



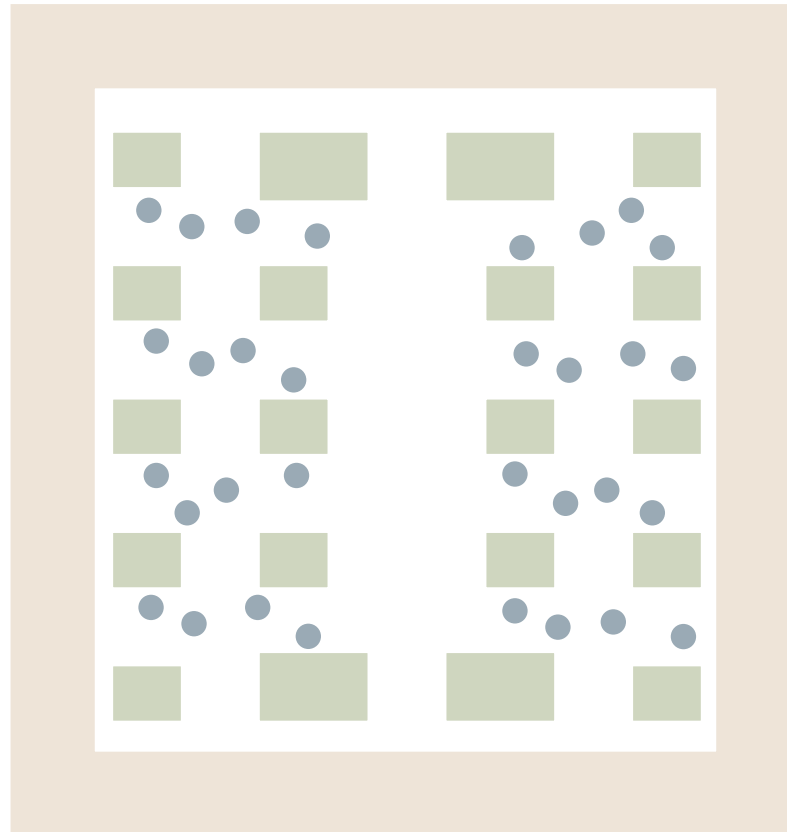
### No dead ends

Constant possibility to escape and avoid conflict



Concept

# CONFLICT



## Multiple waiting areas

Possibility to separate

Concept

# CONFLICT

PROVIDING **MULTIPLE OPTIONS**

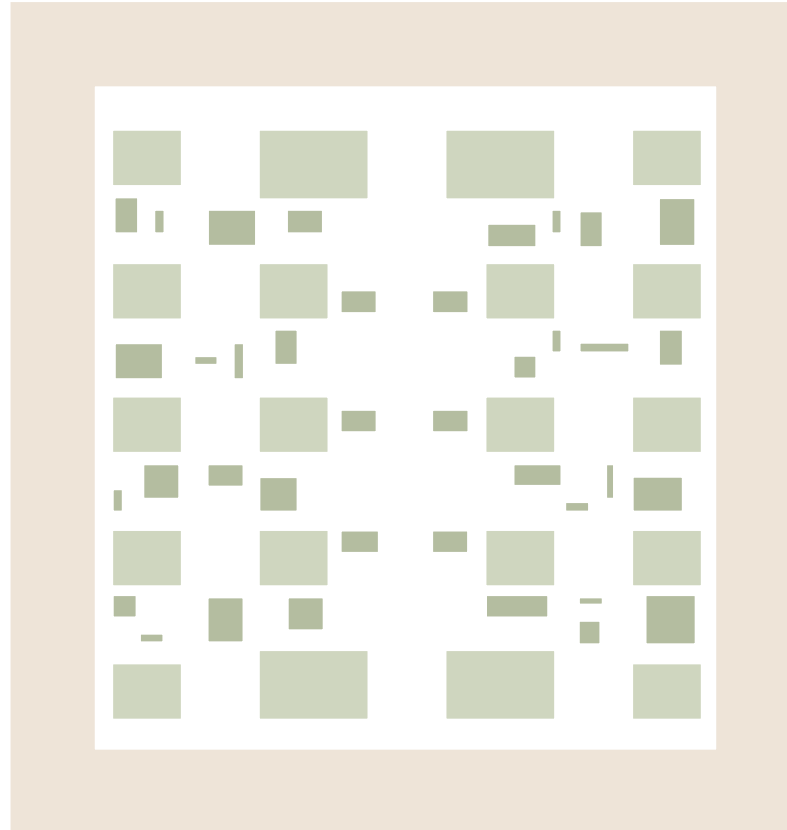


**AVOIDANCE** OF CONFLICT



Concept

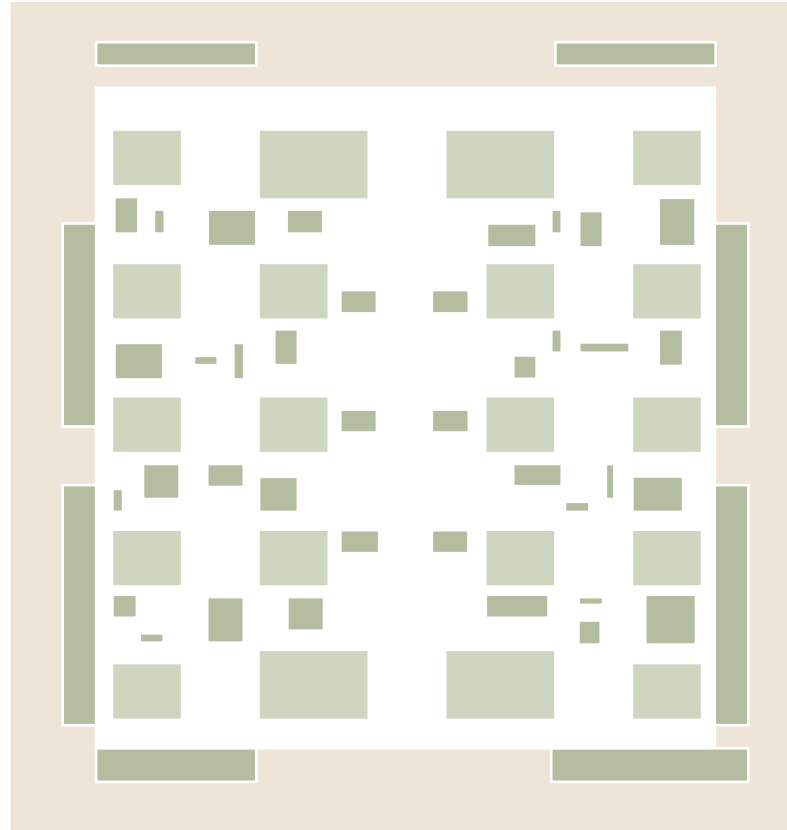
# CONCENTRATION



**Light shafts**  
Greenery and ponds

Concept

# CONCENTRATION



**Courtyards for judges and employees**



Concept

# CONCENTRATION

**RELATION TO NATURAL ELEMENTS**



**RESTORING MENTAL PERFORMANCE AND RELAXATION**

# DESIGN

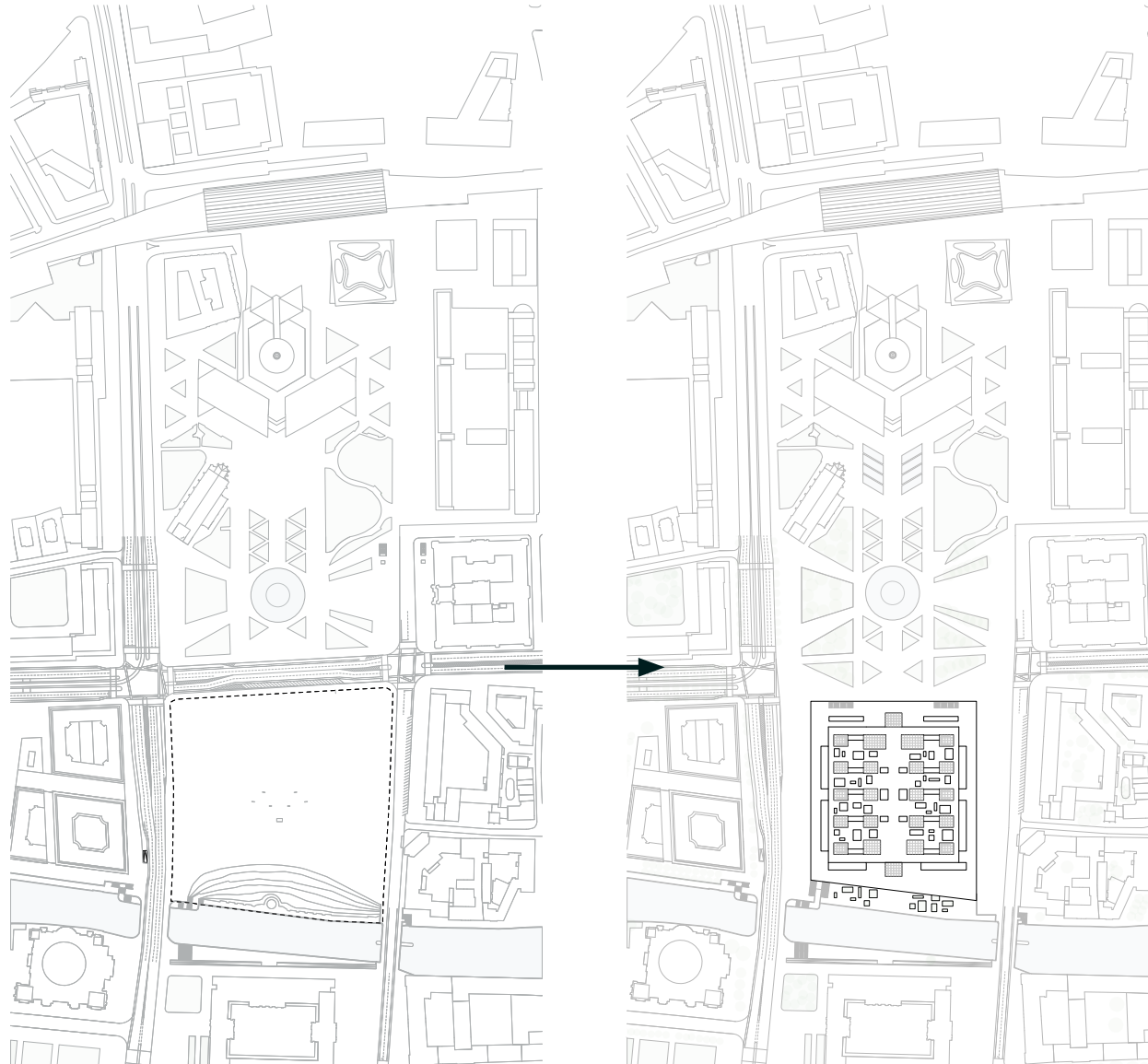
# **SITE IMPLEMENTATION**

Site implementation

# ROAD AS BARRIER

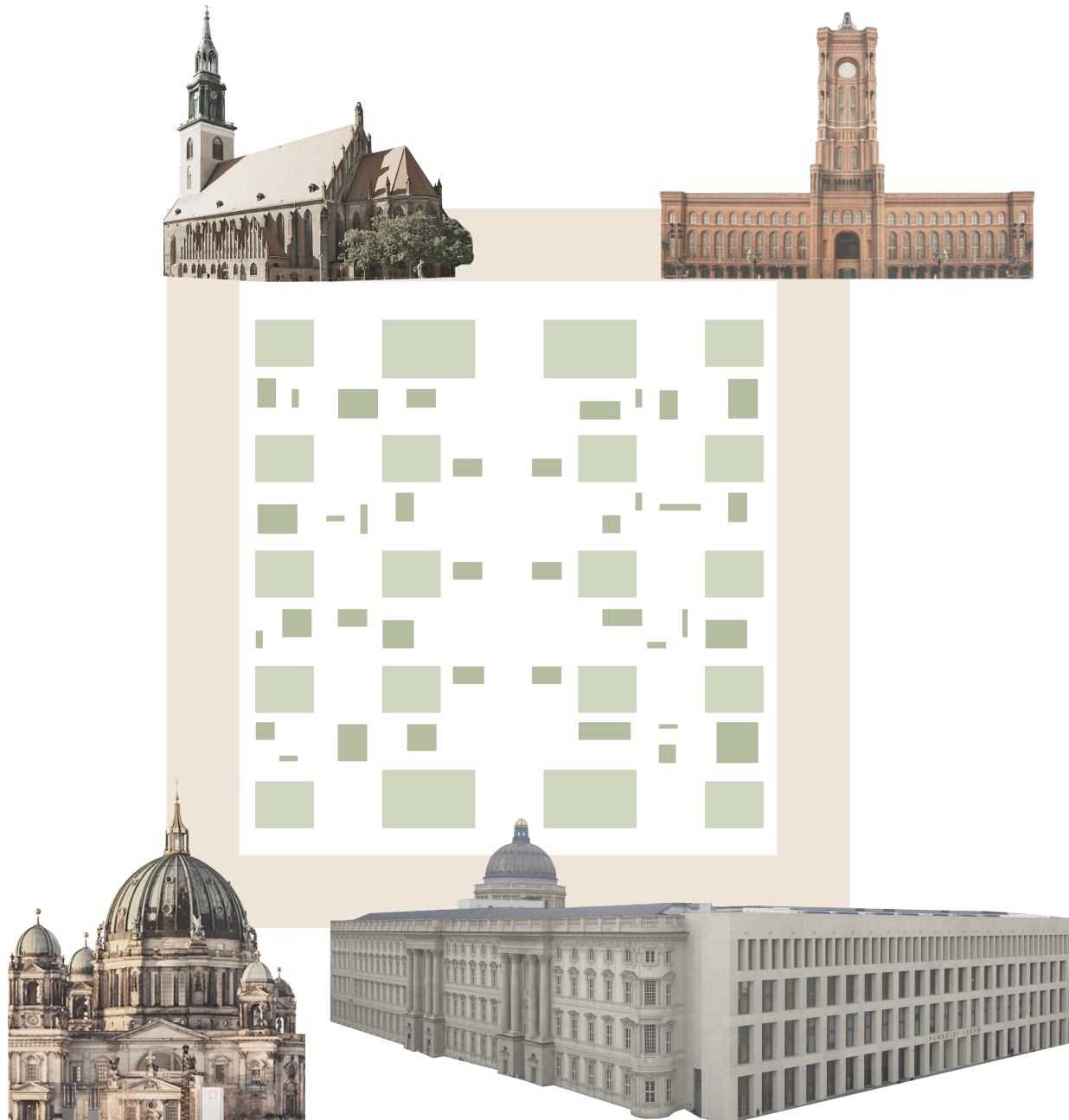


# REMOVAL OF BARRIER ROAD



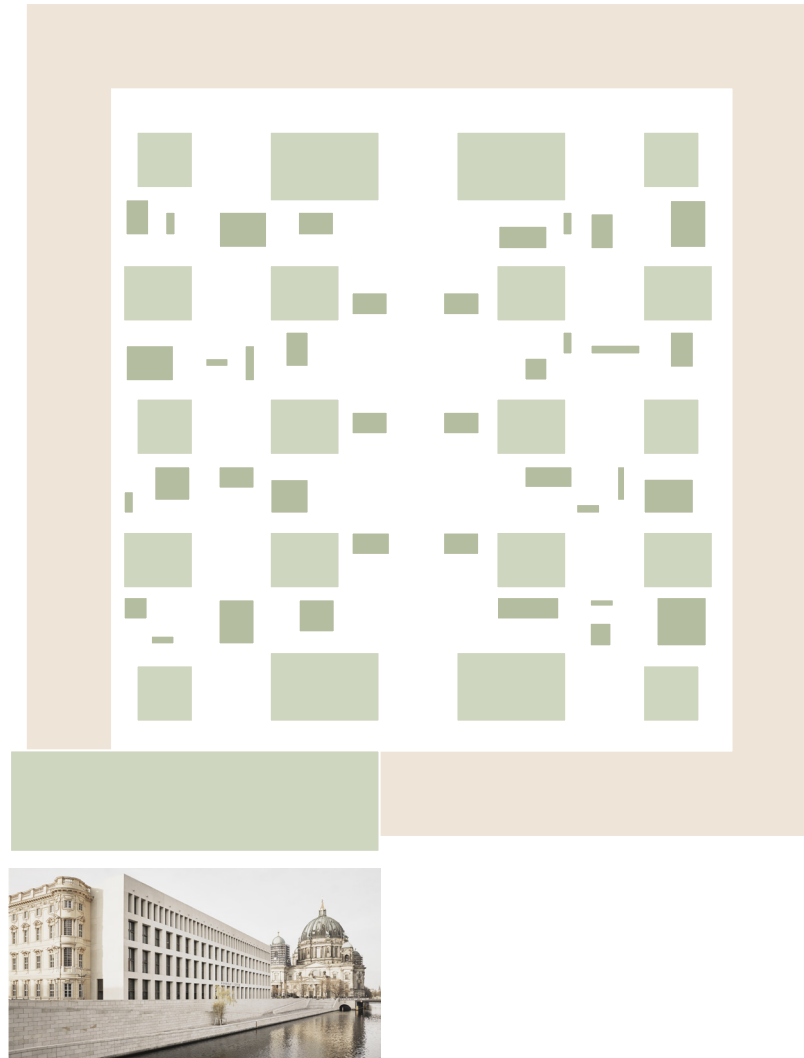


# OUTLOOKS TO MONUMENTAL BUILDINGS



Site implementation

# PUBLIC CAFETERIA AND LIBRARY



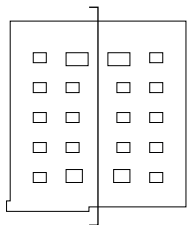


# BUILDING

# Design SECTION



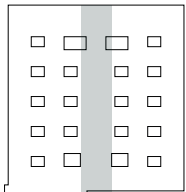
**Section I**  
Main hallway



Level of detail. 1:200

Design

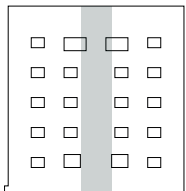
# PUBLIC ENTRANCE VIEW



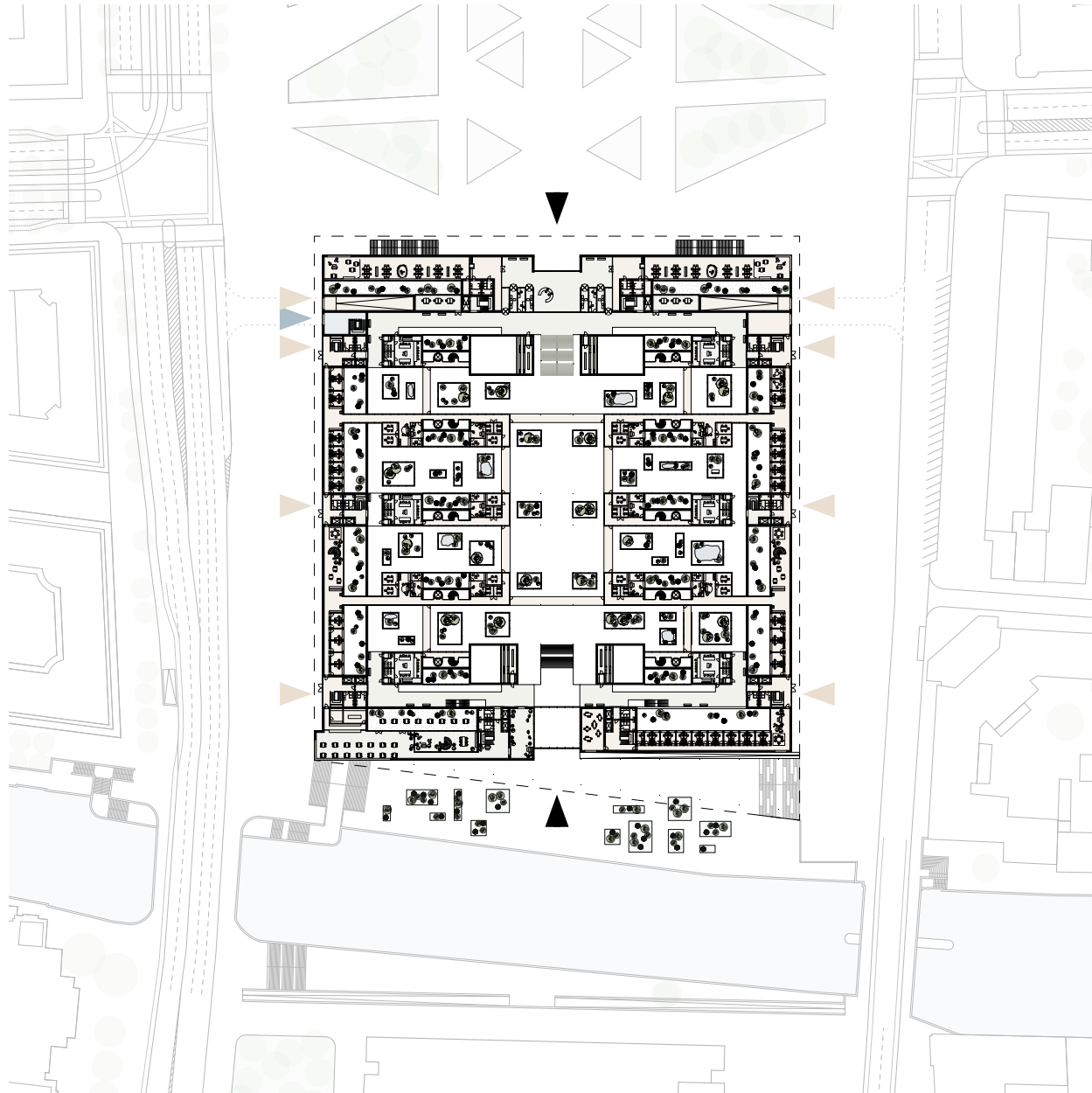


Design

# JUDGE BRIDGE VIEW



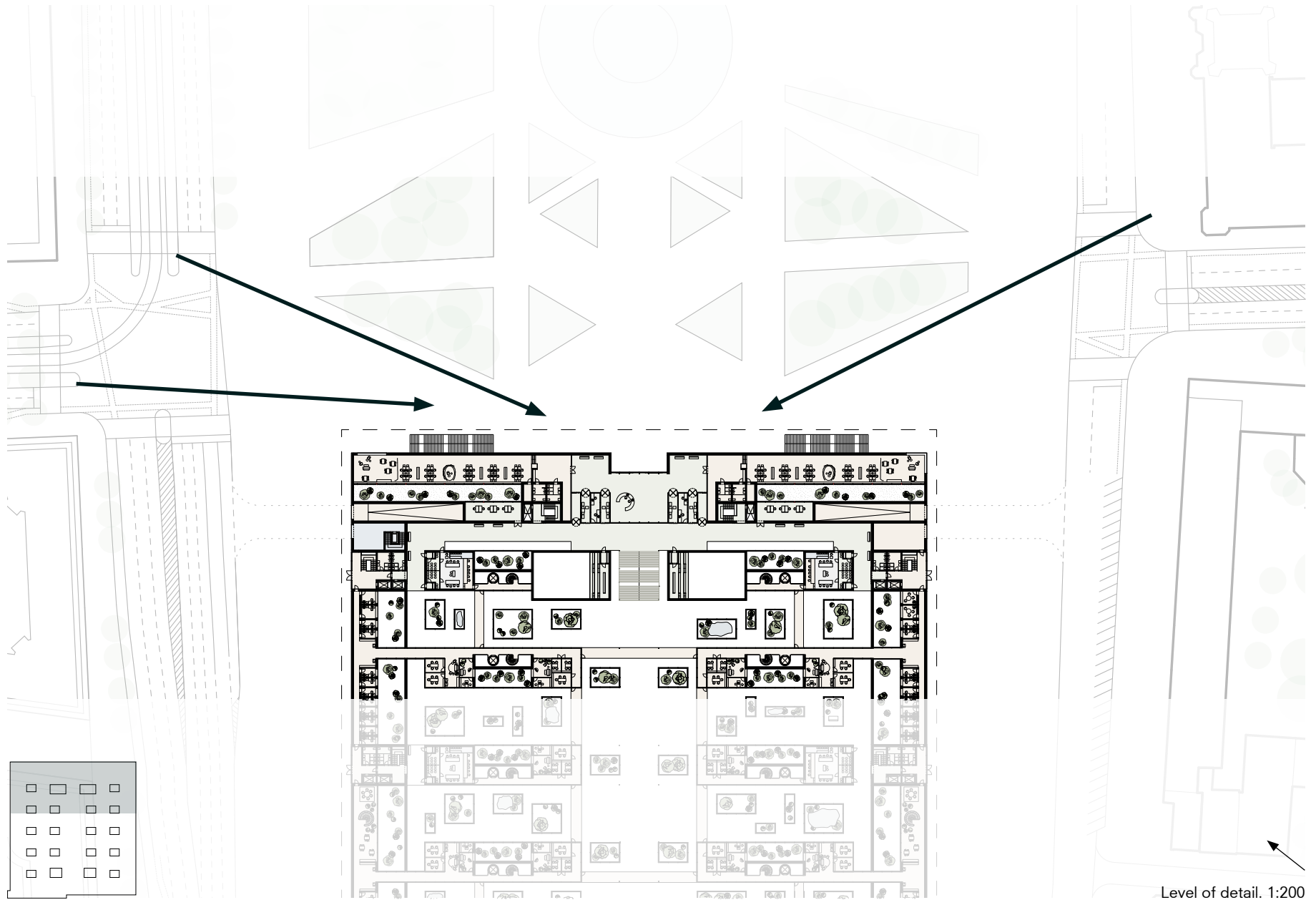
# GROUND FLOOR WITH CONTEXT



Level of detail. 1:500

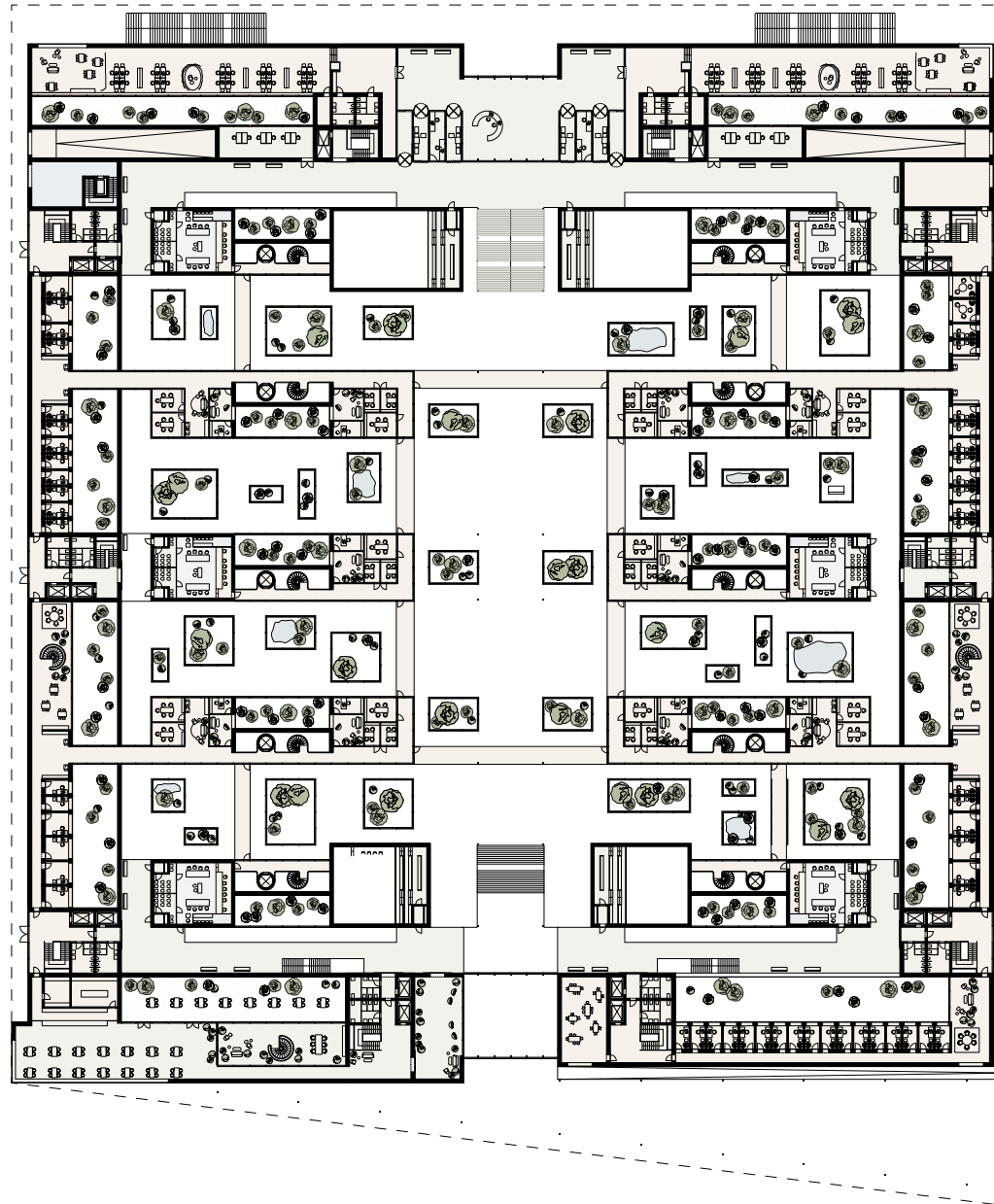
Design

# PUBLIC ACCESS





# Design GROUND FLOOR



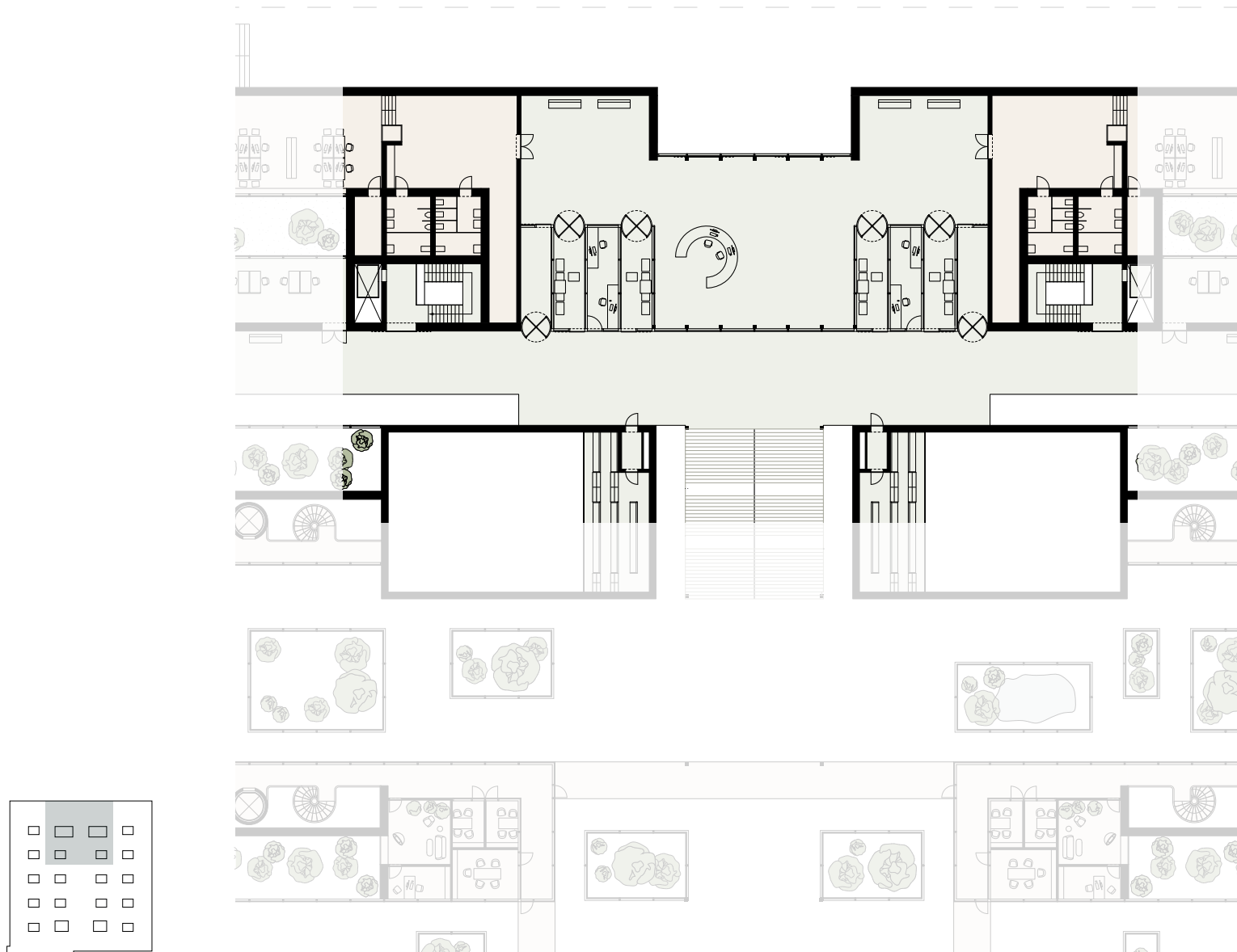
Public

Restricted

Secure

Level of detail. 1:200

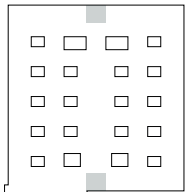
# Design SECURITY CHECK



Level of detail. 1:200

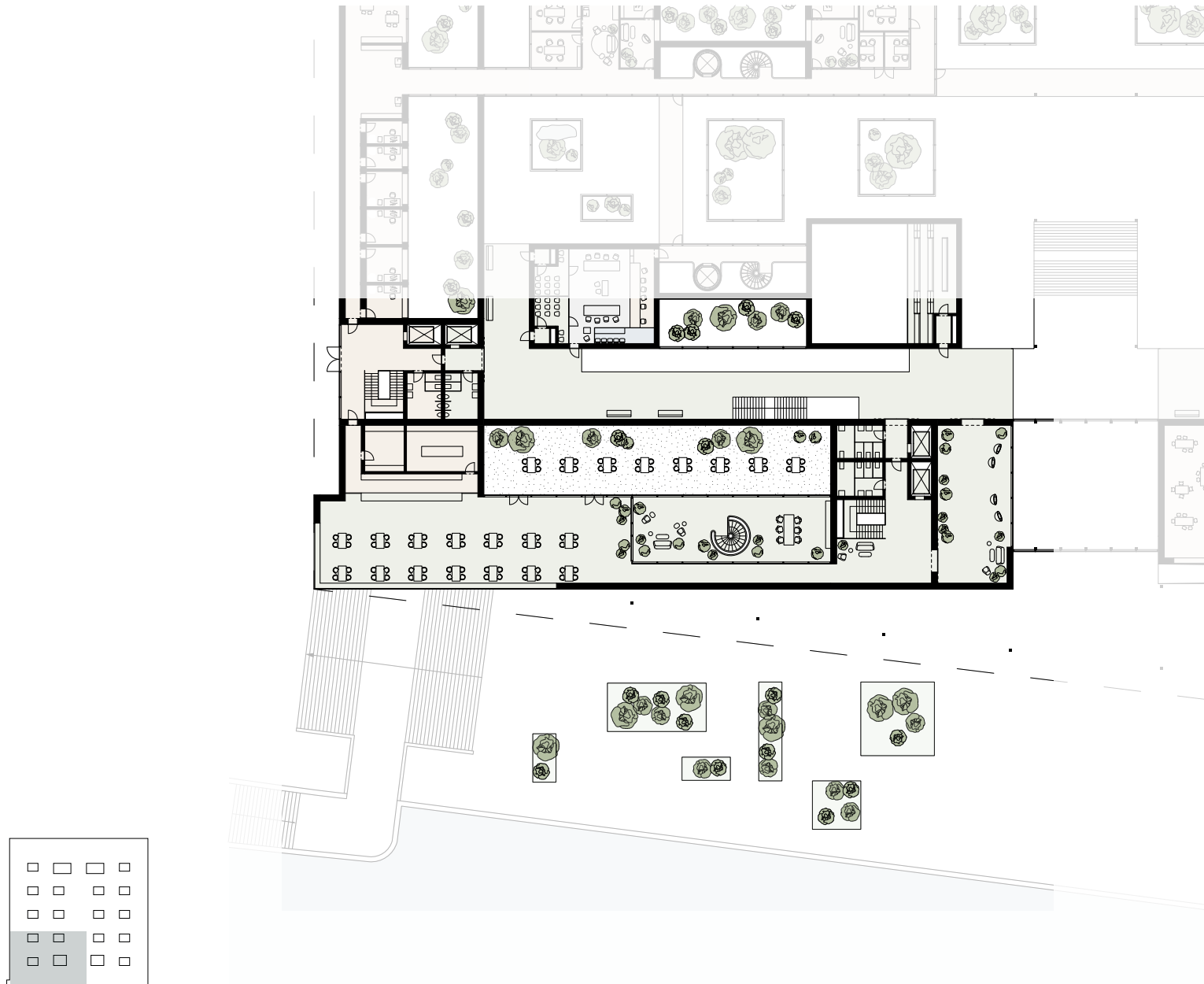
Design

# ENTRANCE



Design

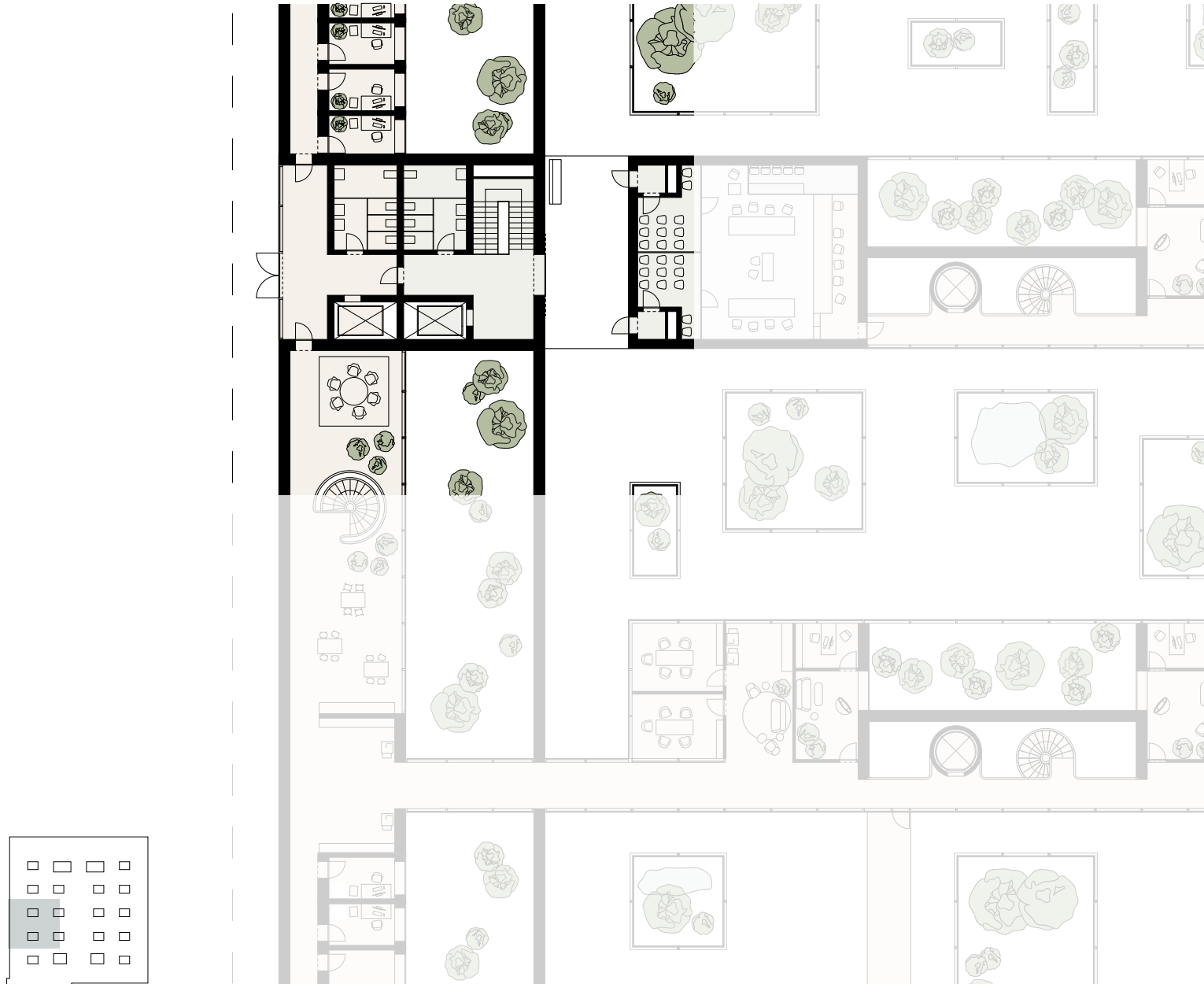
# PUBLIC CAFETERIA AND LIBRARY



Level of detail. 1:200

Design

# JUDGES ACCESS AND CORE



Level of detail. 1:200

Design

# JUDGES ACCESS AND SPACES

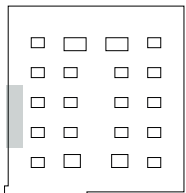


Level of detail. 1:200



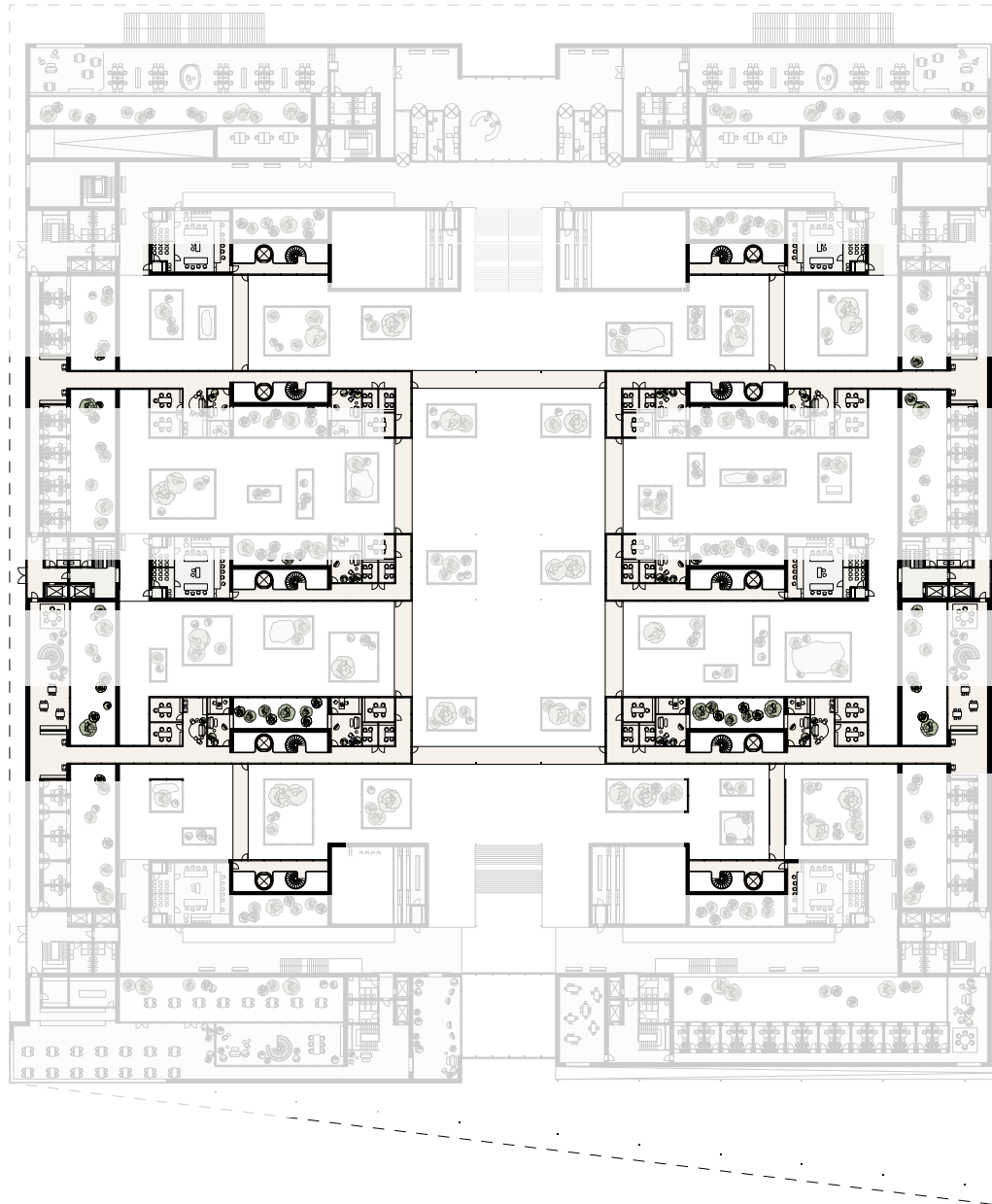
Design

# JUDGES COMMON SPACE



Design

# JUDGES CIRCULATION



Level of detail. 1:200

Design

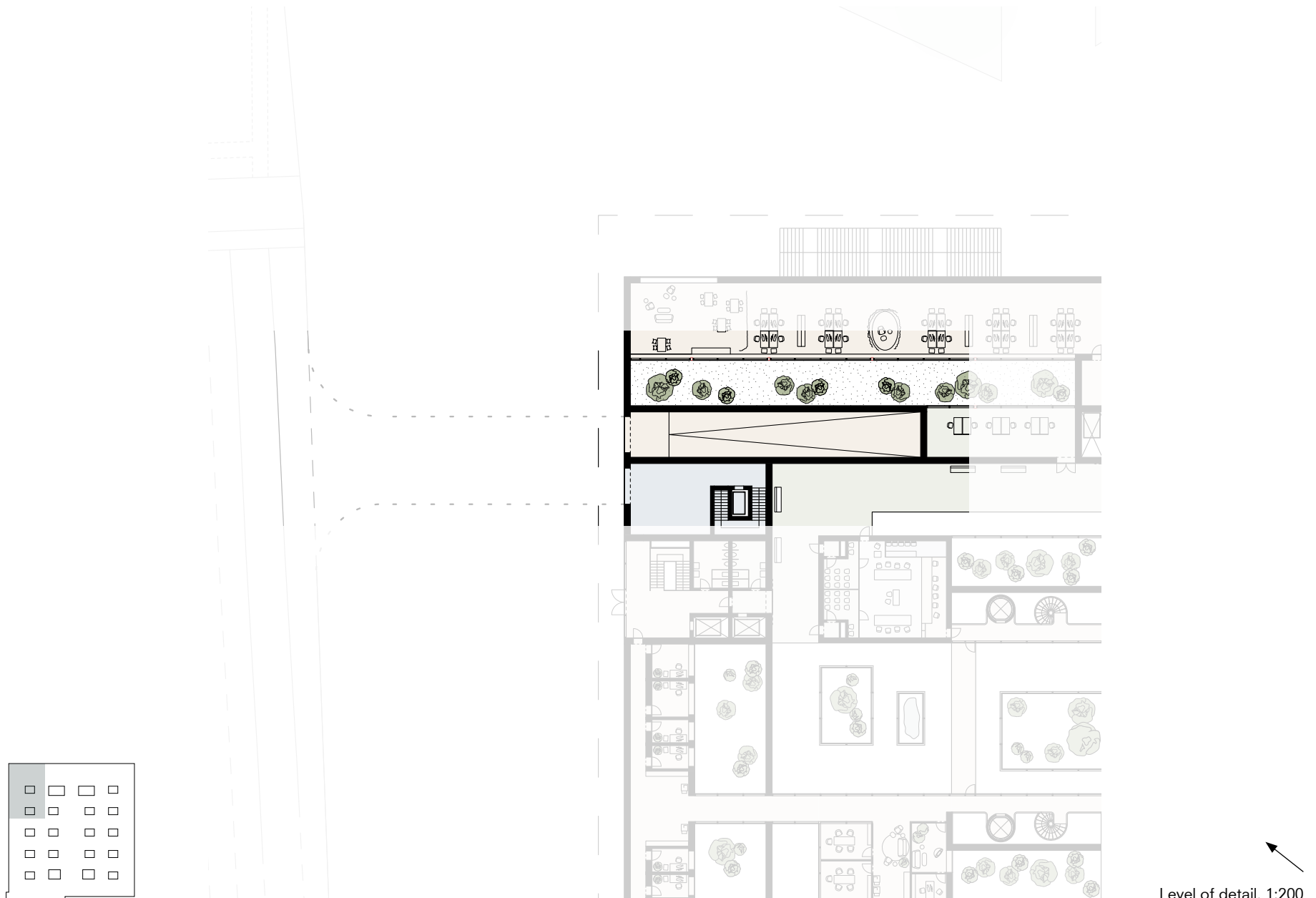
# DELIBERATION AND WITNESSCARE



Level of detail. 1:200

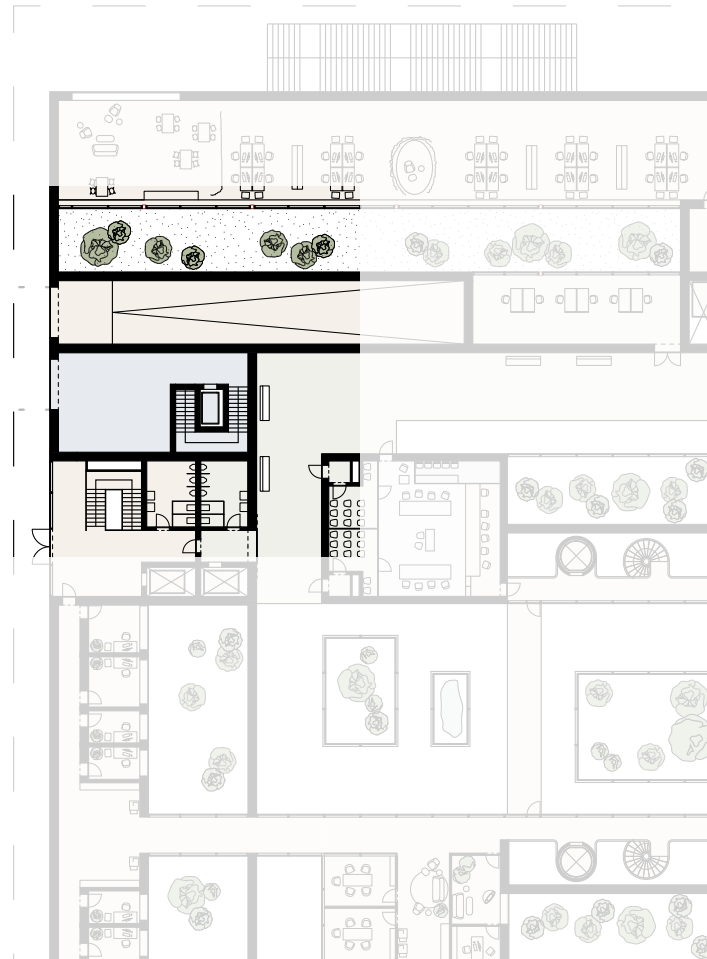
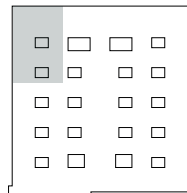
Design

# ACCESS RESTRICTED PARKING



Design

# DEFENDANT DELIVERY

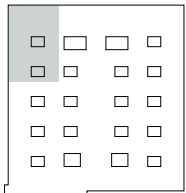


Level of detail. 1:200



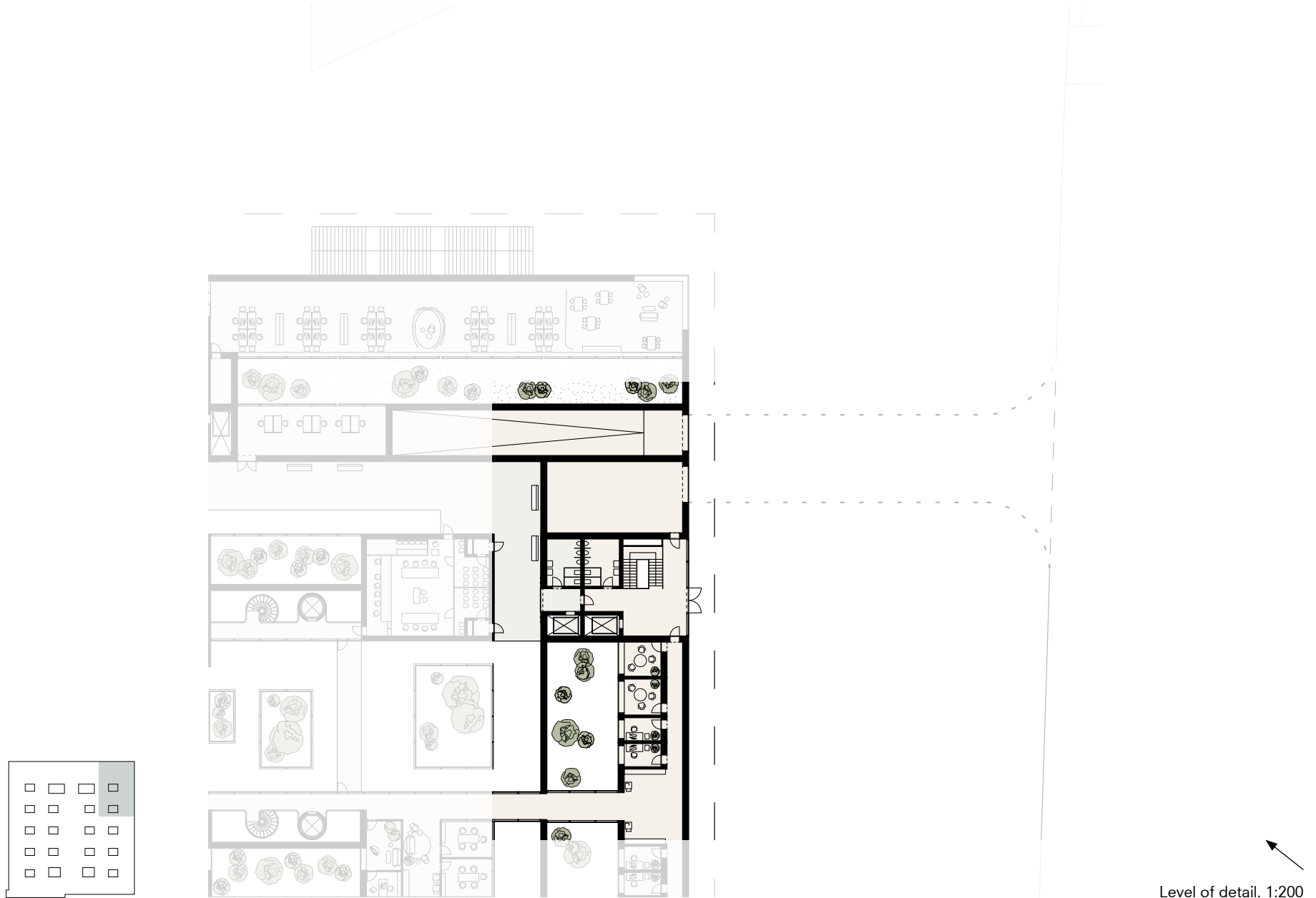
Design

# RESTRICTED AND SECURE ACCESS

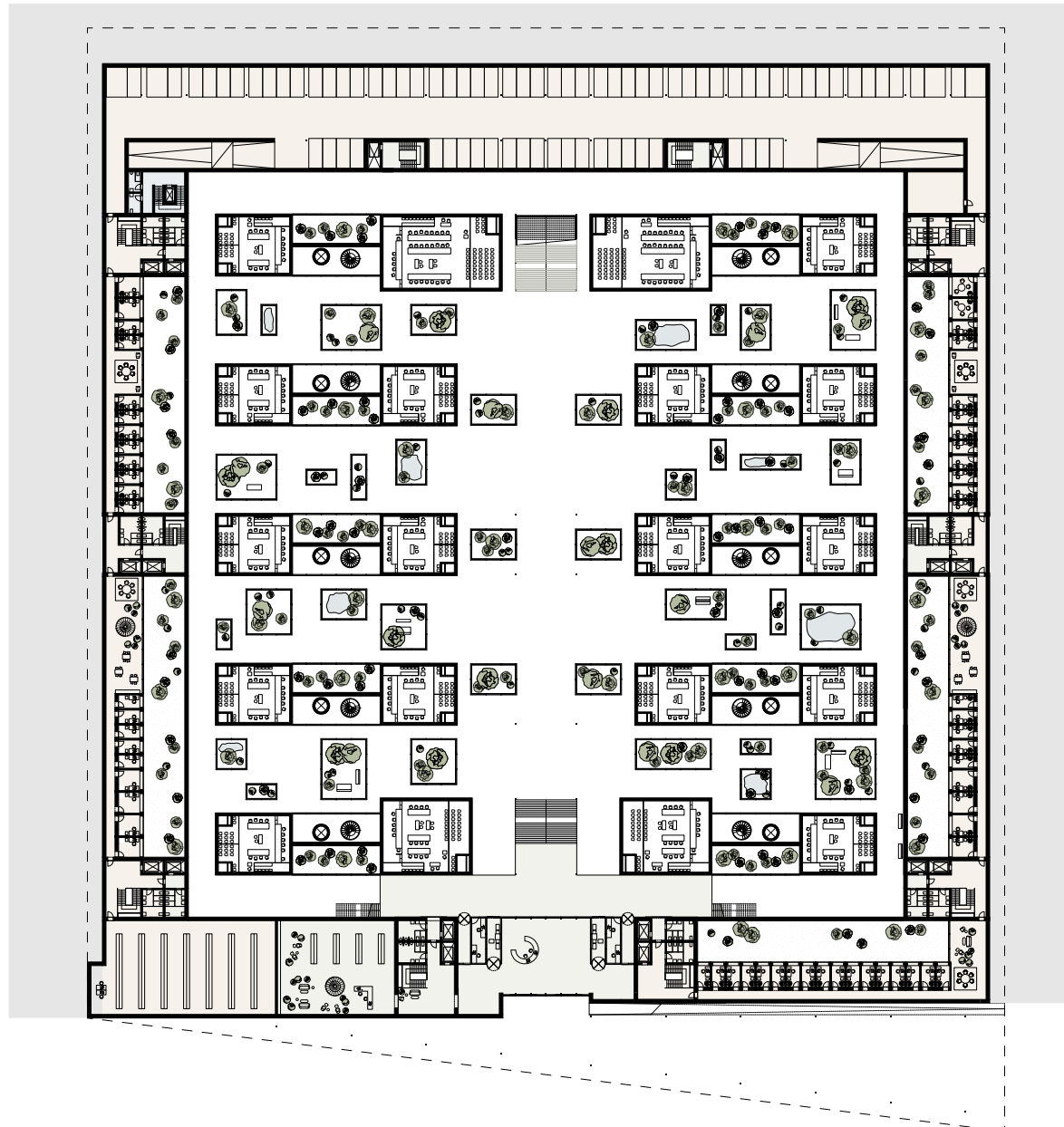




# PROTECTED WITNESSES DELIVERY



# Design LEVEL -1



Public

Restricted

Secure

Level of detail. 1:200

Design

# SECURITY CHECK AND LIBRARY



Level of detail. 1:200

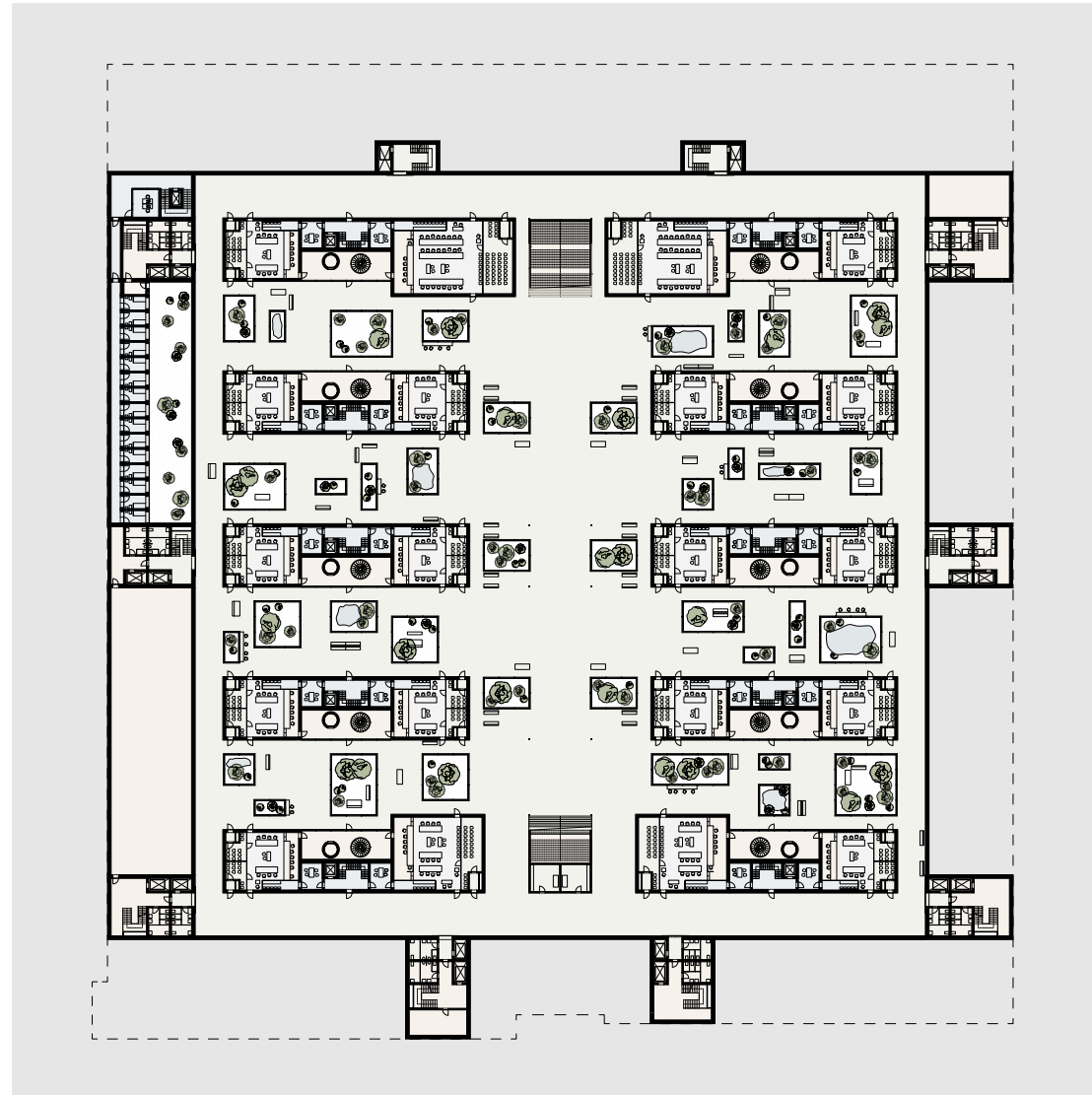
# JUDGES COURTYARD AND EVIDENCE STORAGE



Level of detail. 1:200

# Design

## LEVEL -2



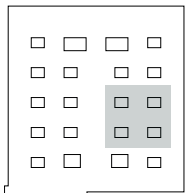
Public

Restricted

Secure

Level of detail. 1:200

Design  
**HALLWAY**





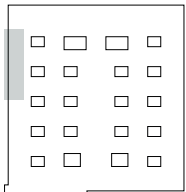
# Design HOLDING CELLS



Level of detail. 1:200

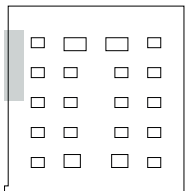
Design

# SECURE AREA



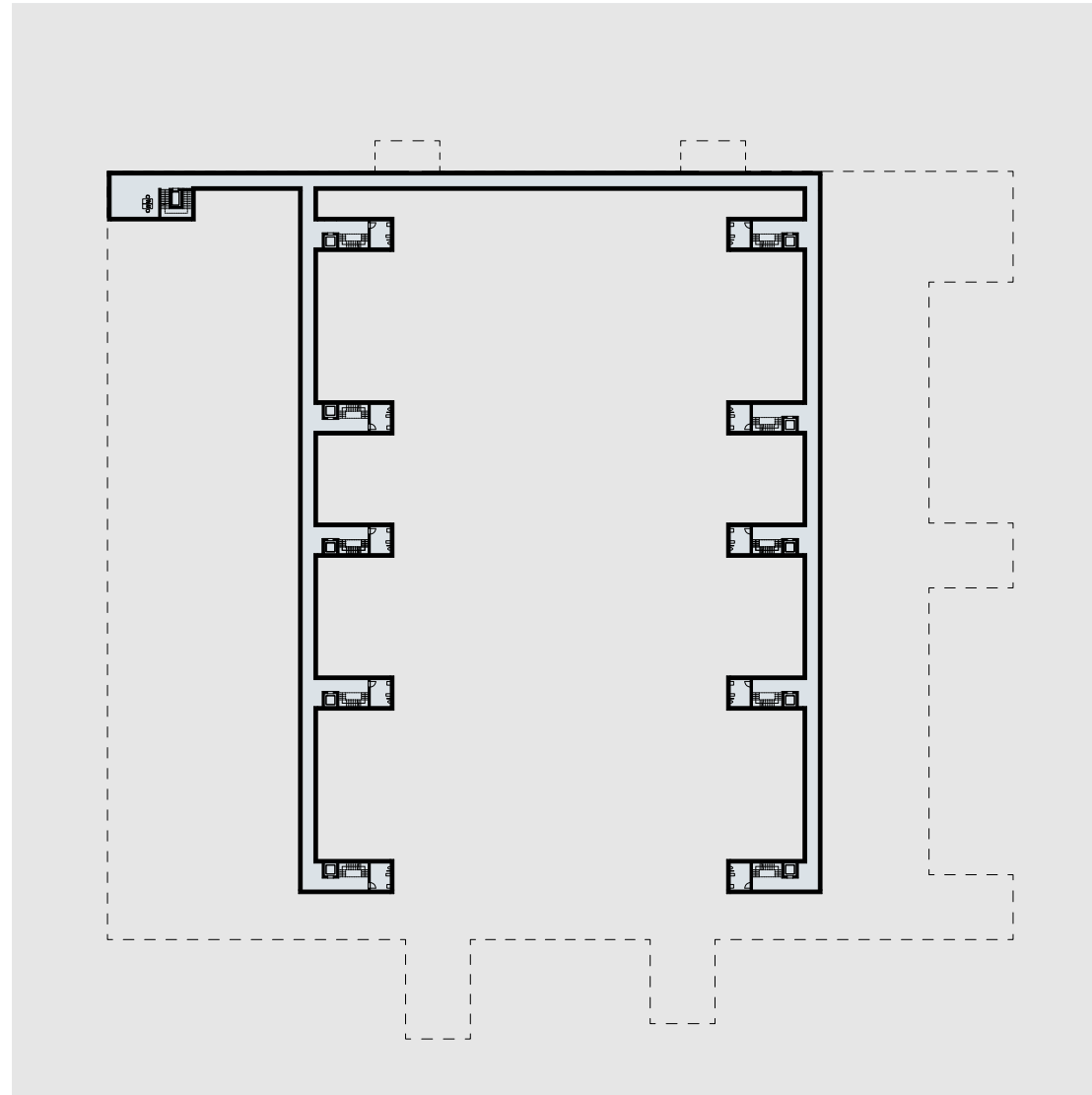
Design

# HOLDING CELLS



Design

# LEVEL -3



Public

Restricted

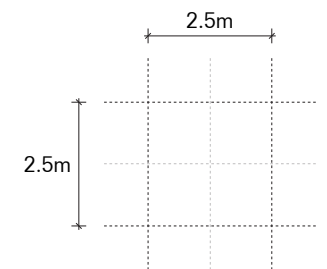
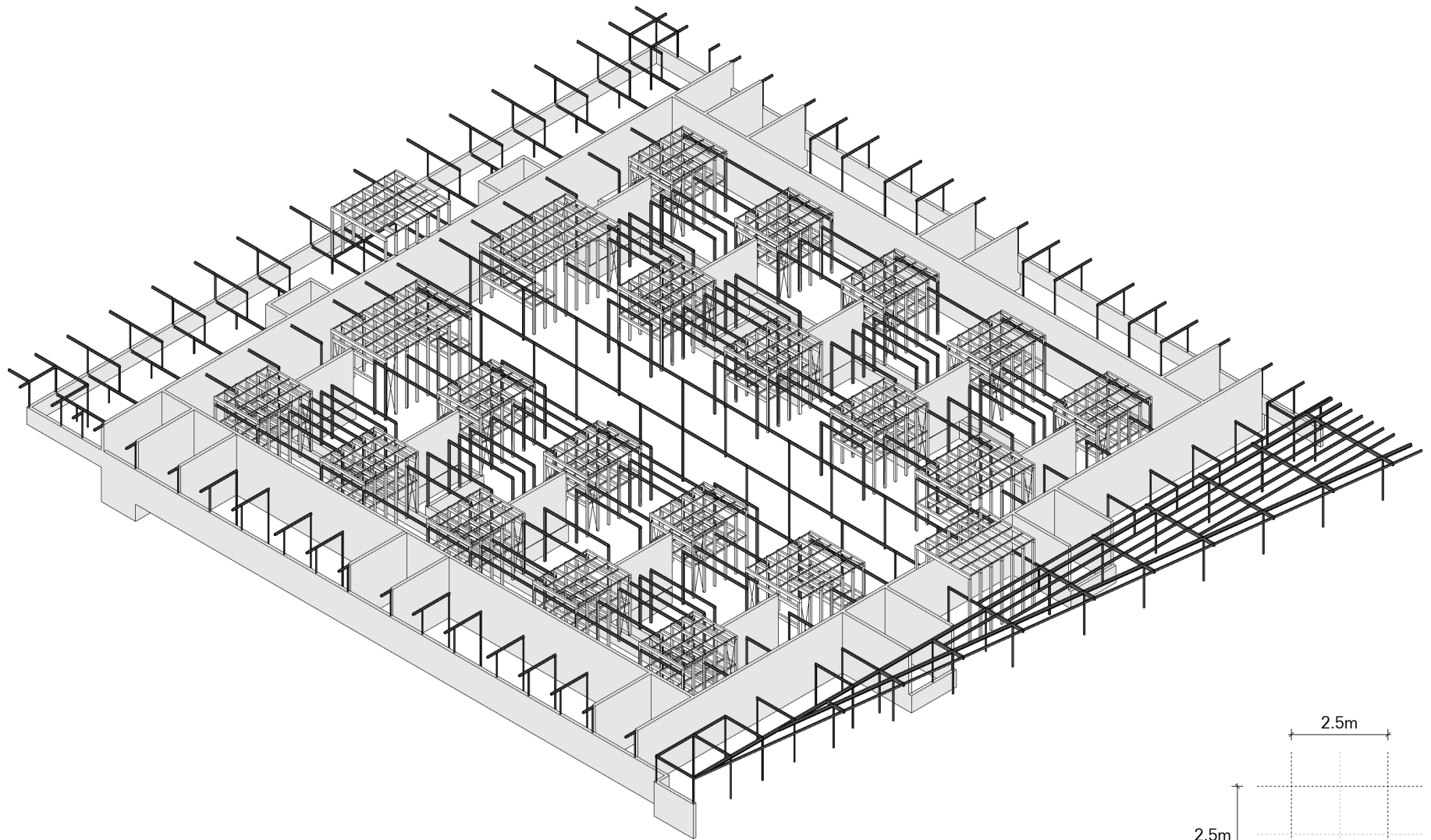
Secure

Level of detail. 1:200

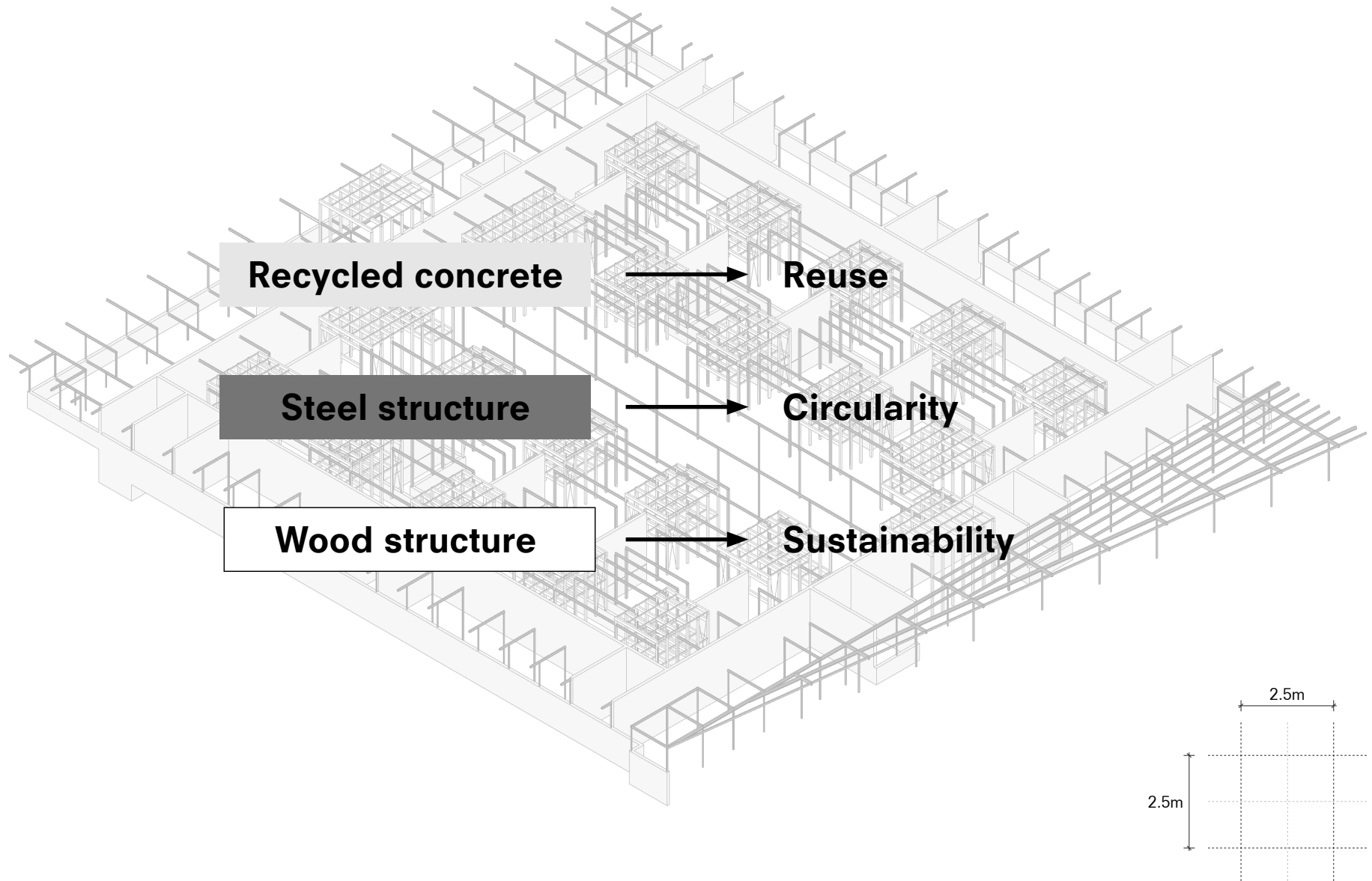


Design

# STRUCTURE



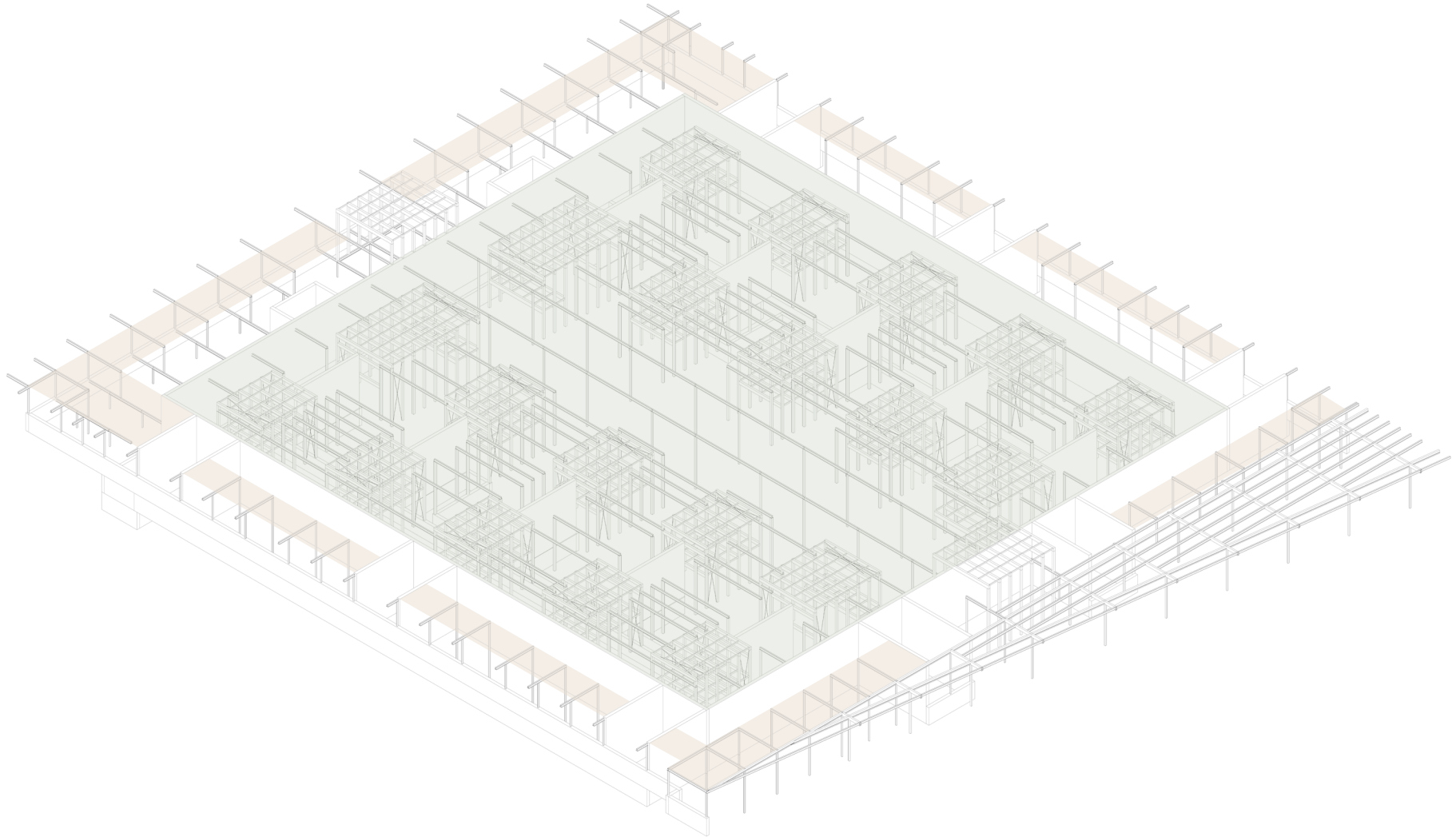
# STRUCTURE. ENVIRONMENTAL IMPACT





Design

# FLEXIBILITY AND PERMANENCE

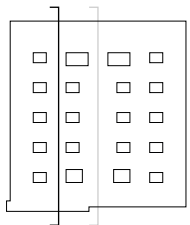


# **COURTROOMS AND LIGHT SHAFTS**

# Design SECTION



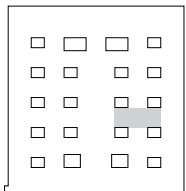
**Section II**  
Access courtrooms



Level of detail. 1:200

Courtrooms and Light shafts

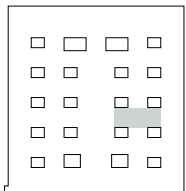
# IMPRESSION. MAIN HALL





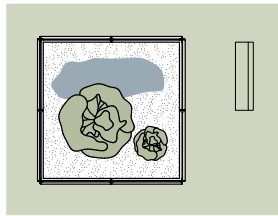
Courtrooms and Light shafts

# IMPRESSION. MAIN HALL

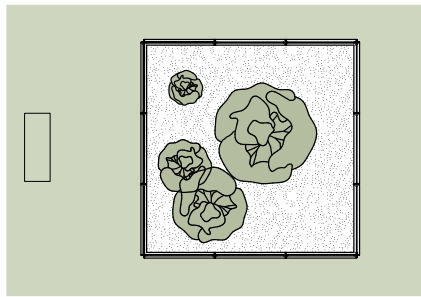


Design

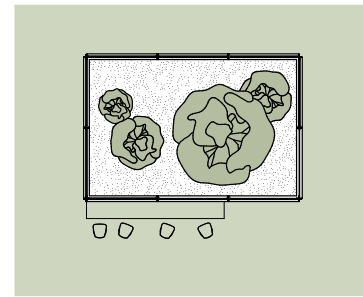
# PUBLIC AREAS. WAITING SPACES



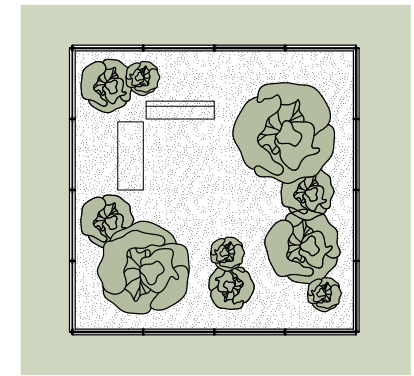
**View pond**



**View green**



**Touchdown**



**Outside**

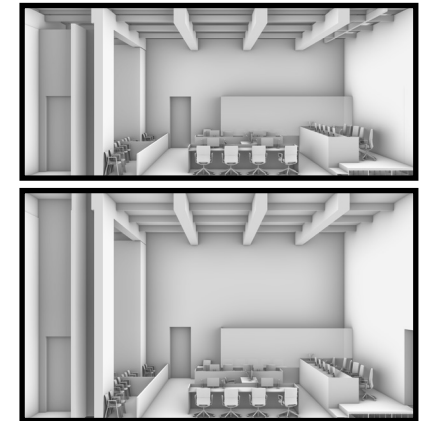
Level of detail. 1:200



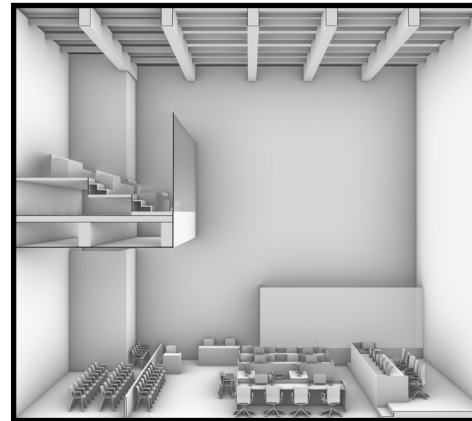
Courtrooms and Light shafts

# COURTROOM TYPES

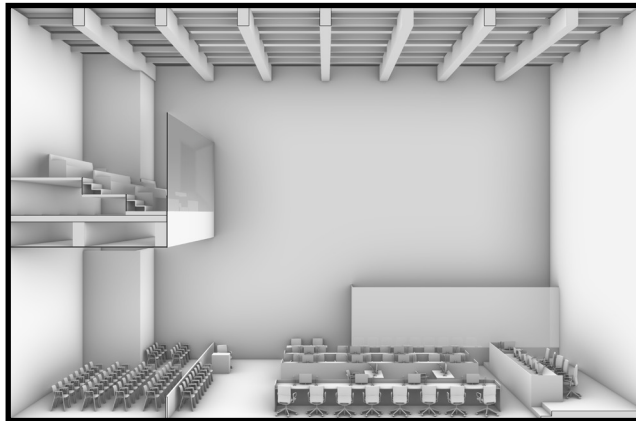
**XS**



**S**



**M**

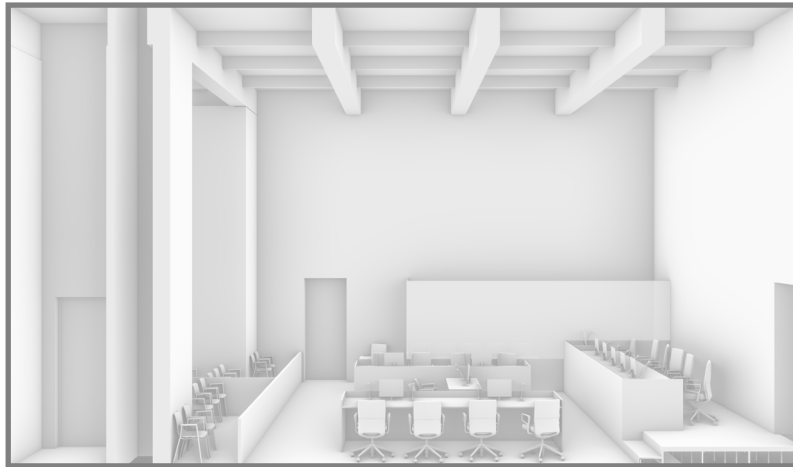
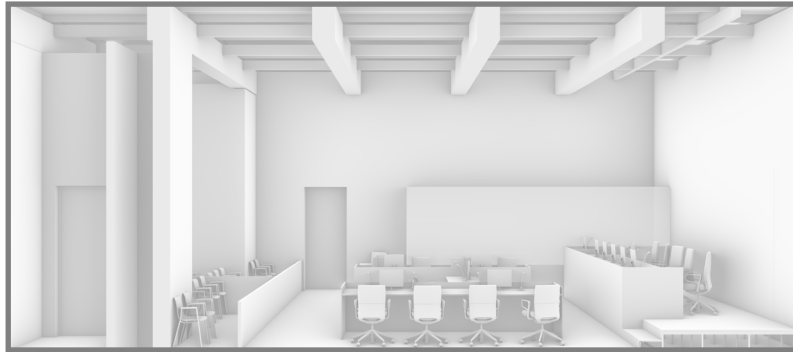


**L**

# Courtrooms and Light shafts

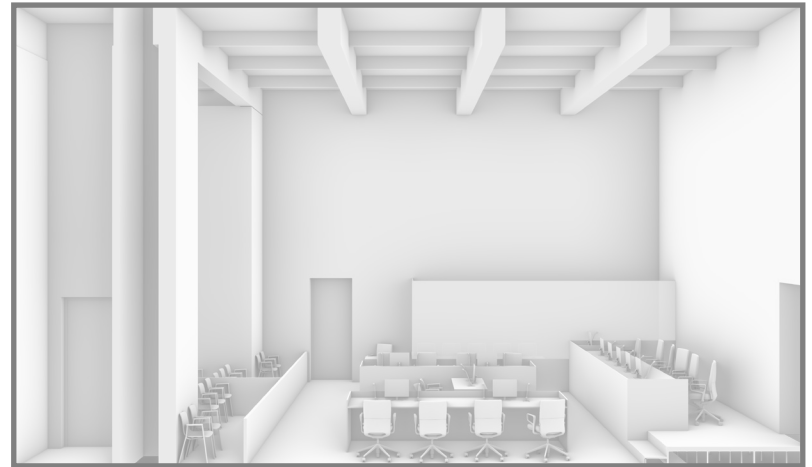
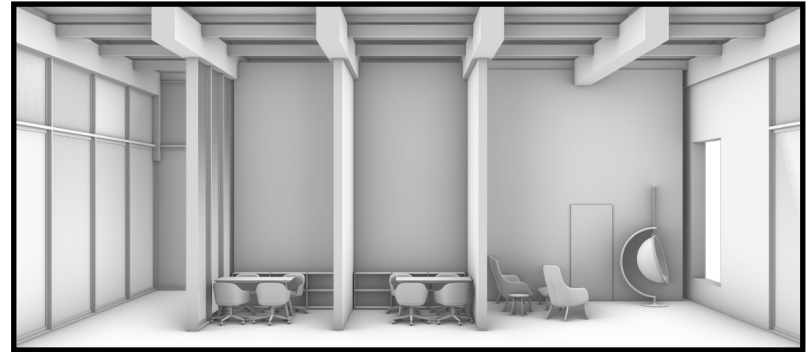
## CONFIGURATIONS

**XS**



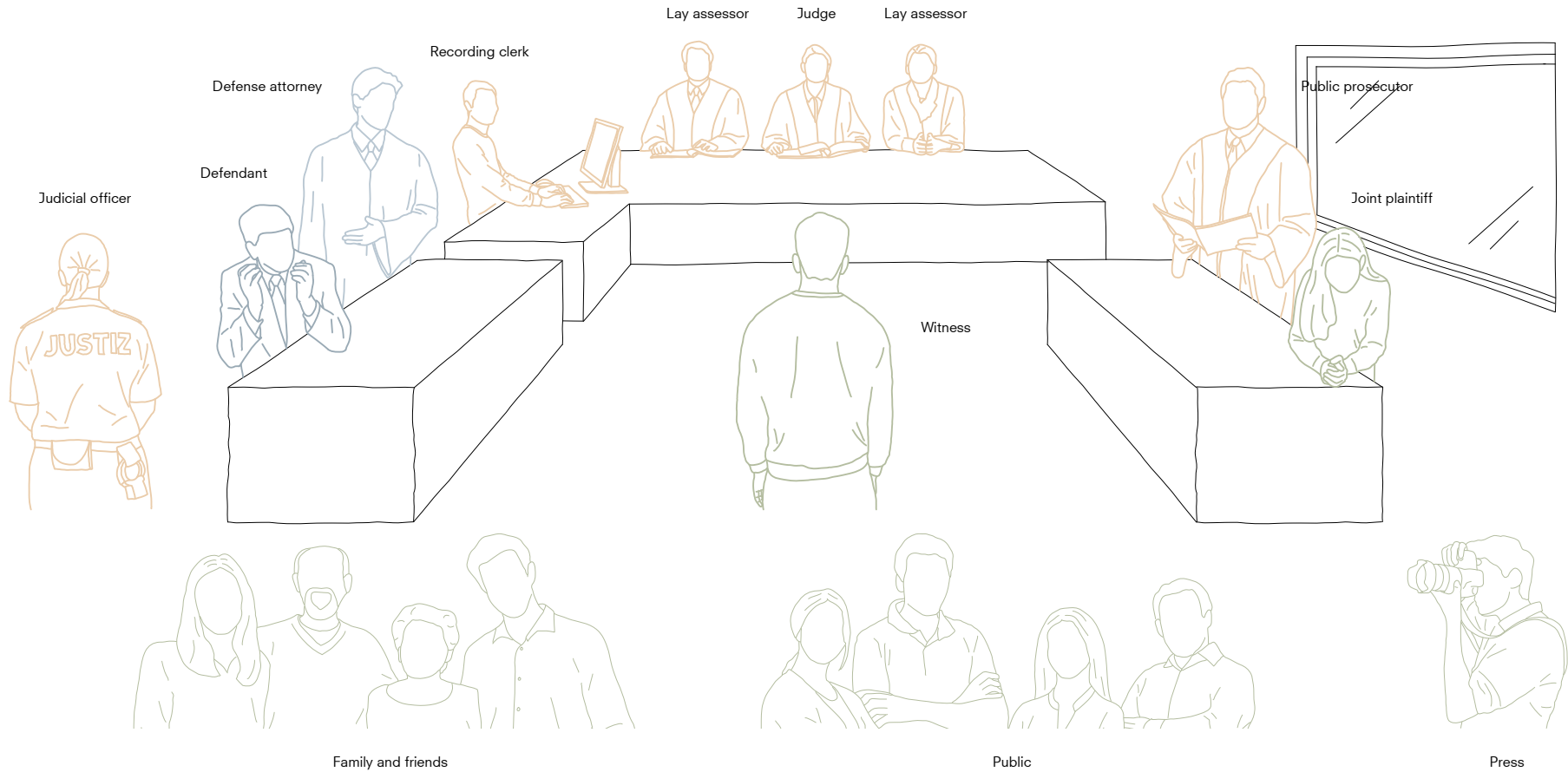
**S**

**Deliberation  
Witness care**



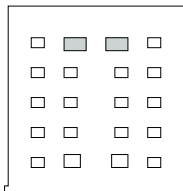
**S**

# COURTROOM. TYPICAL SEATING ARRANGEMENT



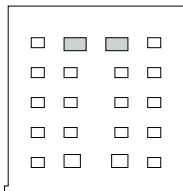
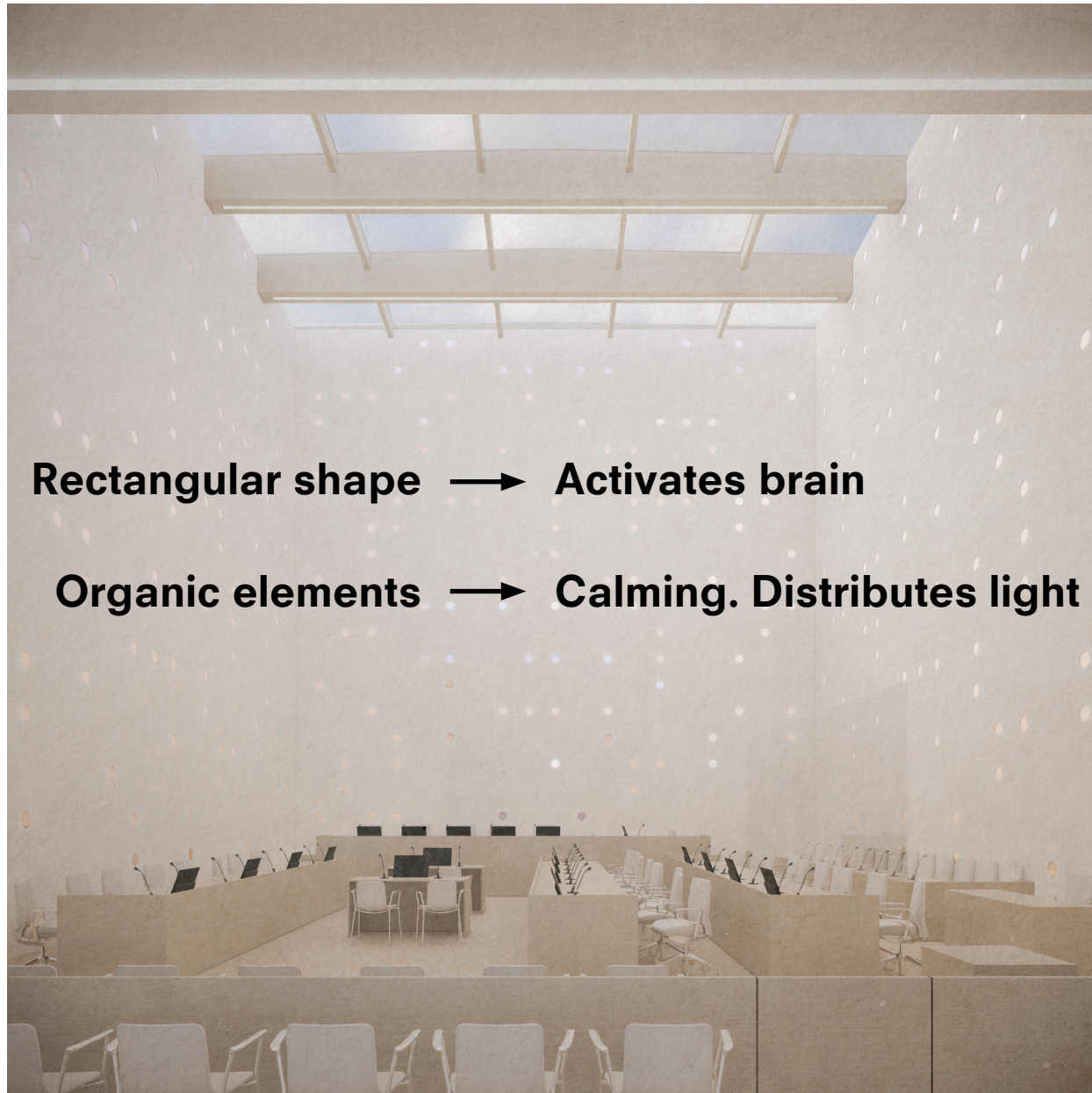
Courtrooms and Light shafts

# COURTROOM L. PUBLIC VIEW

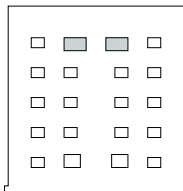




## COURTROOM L. PUBLIC VIEW



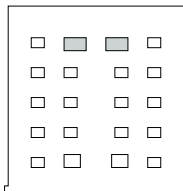
# COURTROOM L. PUBLIC VIEW GALLERY





Courtrooms and Light shafts

# COURTROOM L. JUDGES VIEW

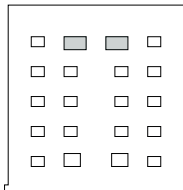


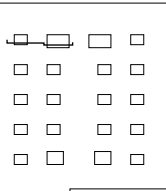
Courtrooms and Light shafts

# COURTROOM L. JUDGES VIEW



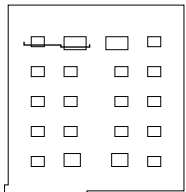
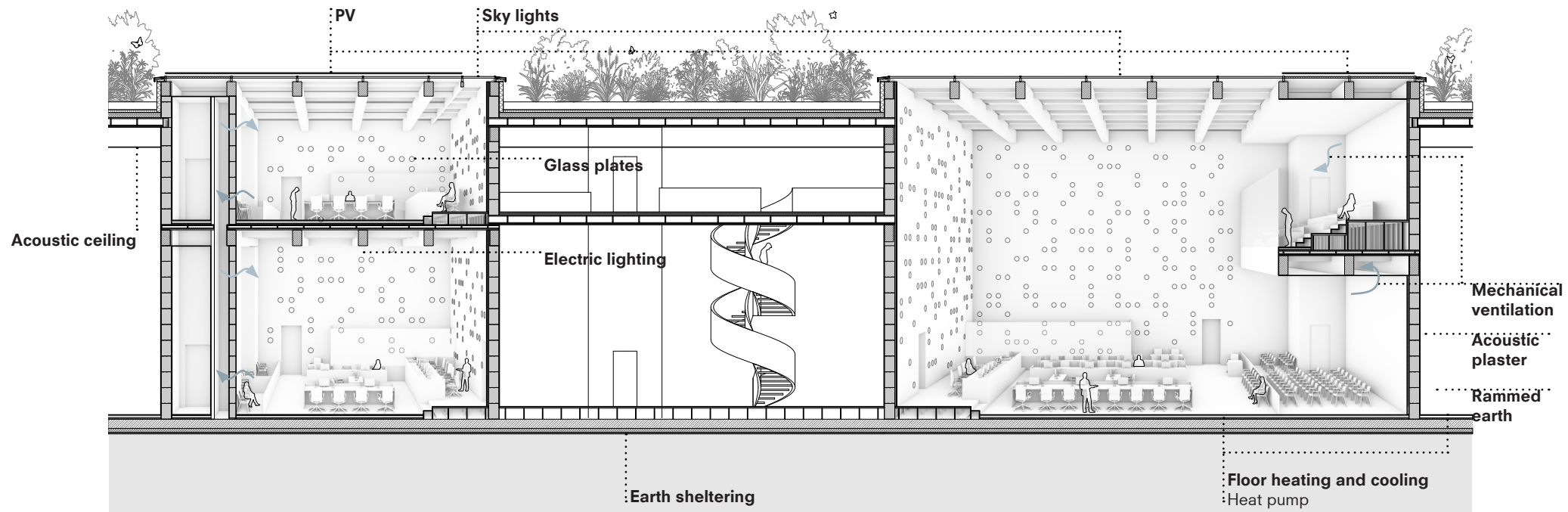
**Art → Visual focus**



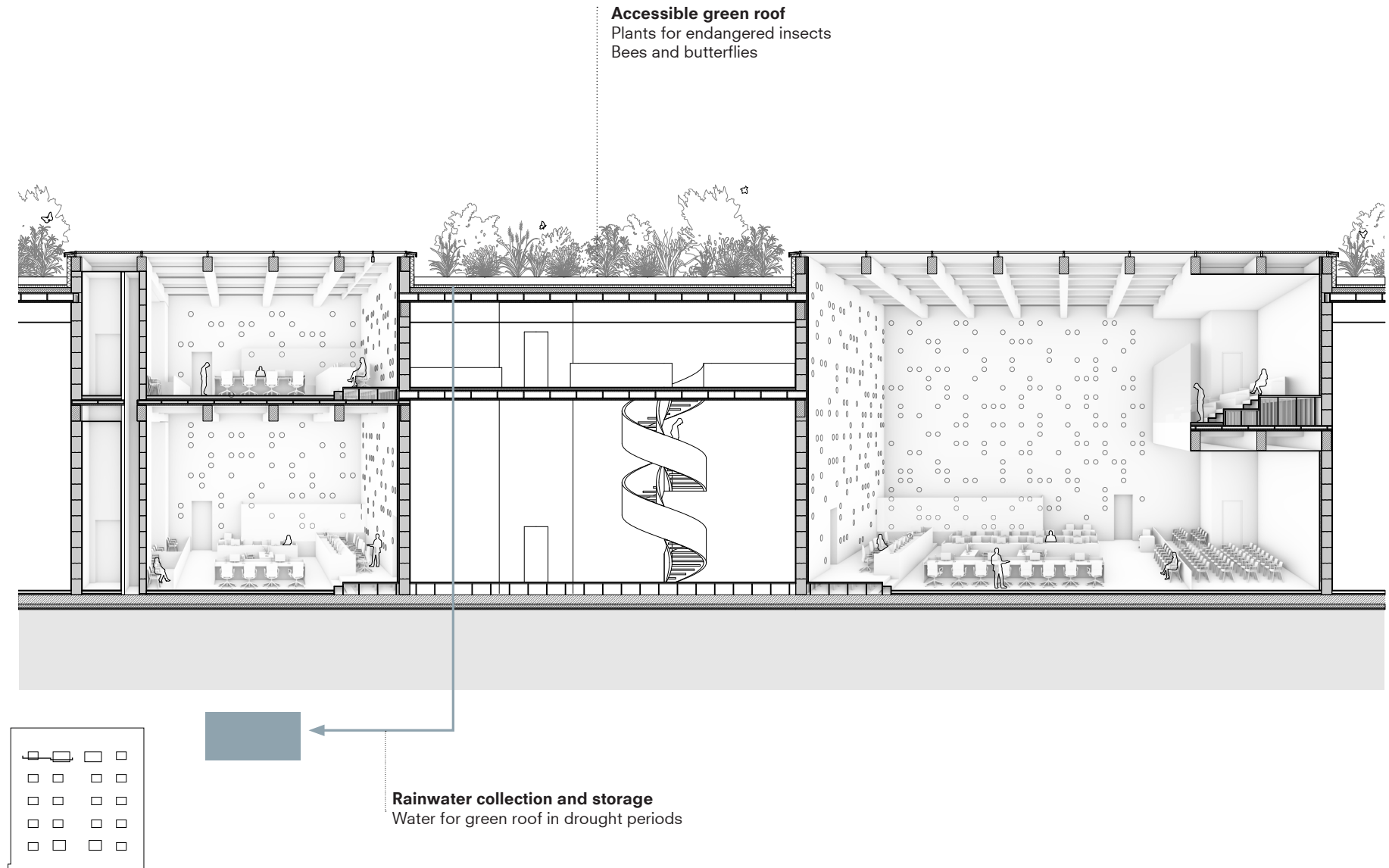




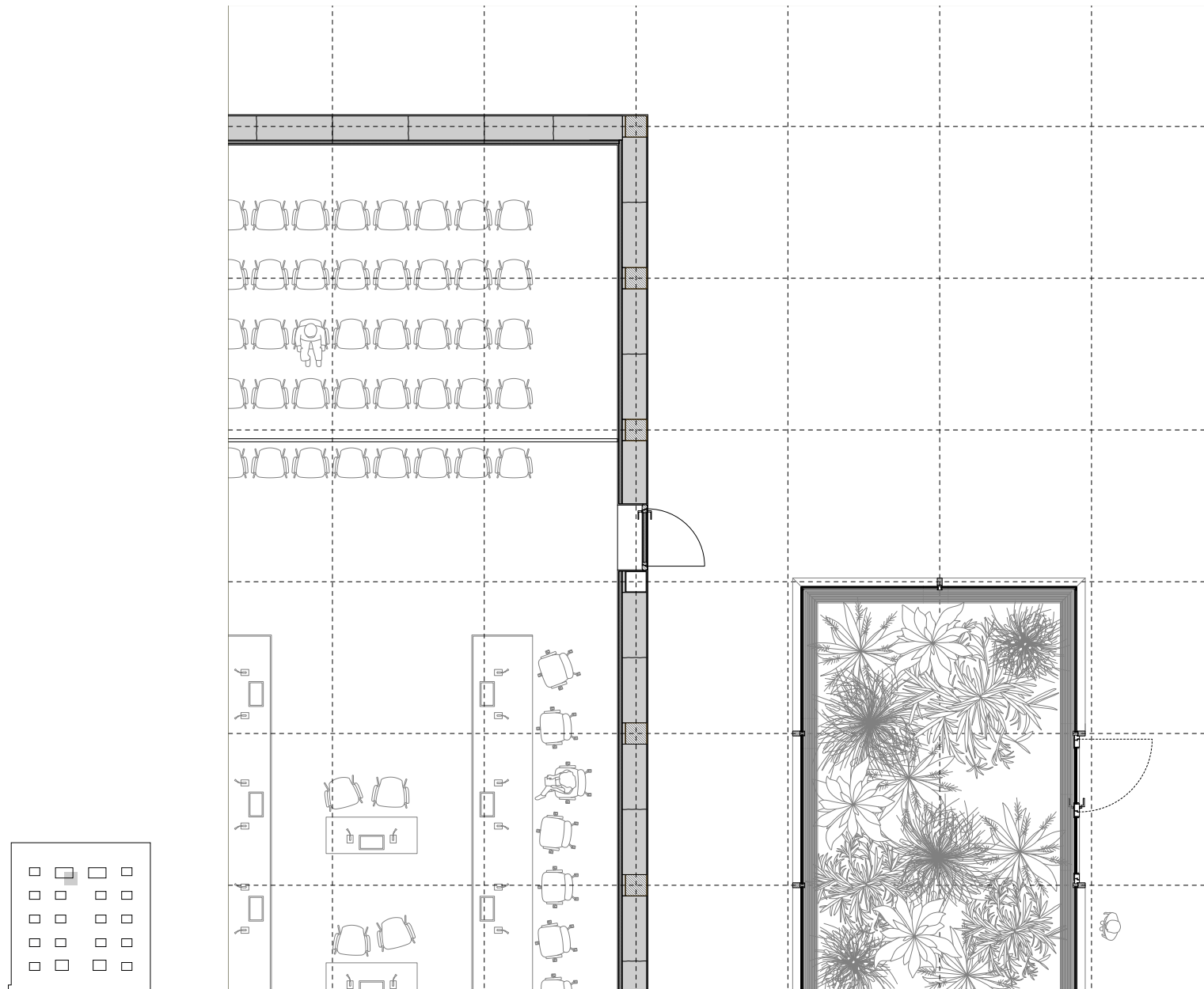
# COURTROOM L AND S. COMFORT



# COURTROOM L AND S. BIODIVERSITY AND WATER



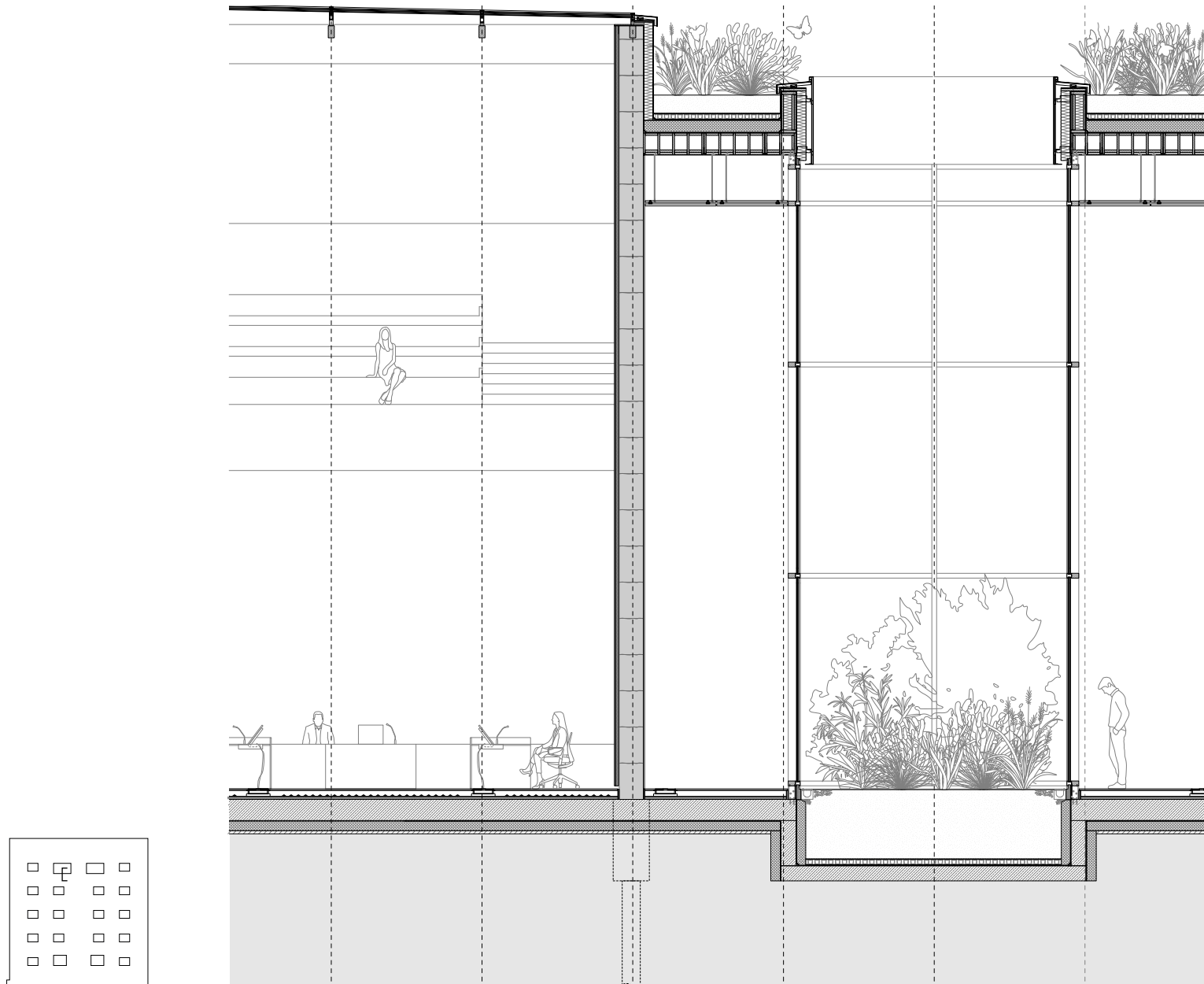
# COURTROOM L AND LIGHT SHAFT. FLOOR PLAN



Level of detail. 1:20



# COURTROOM L AND LIGHT SHAFT. SECTION

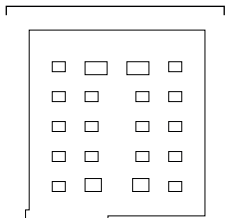
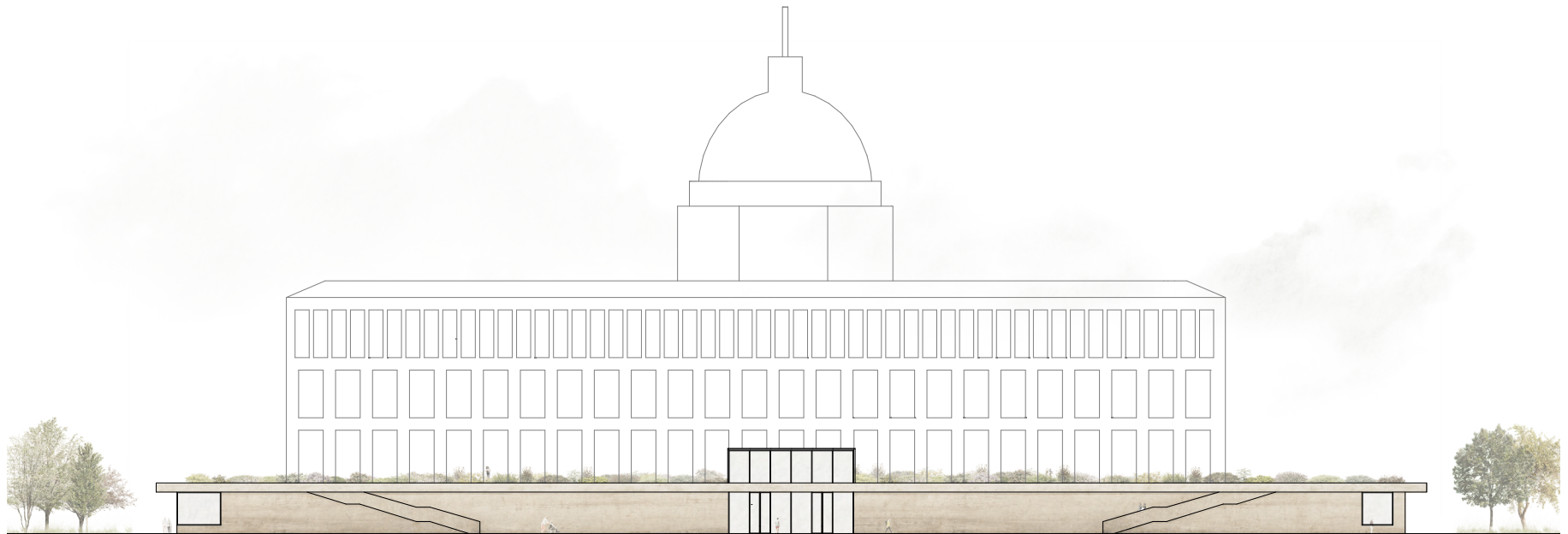


Level of detail. 1:20

# ELEVATION

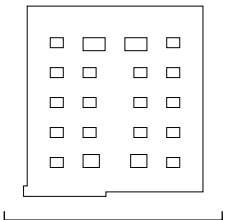
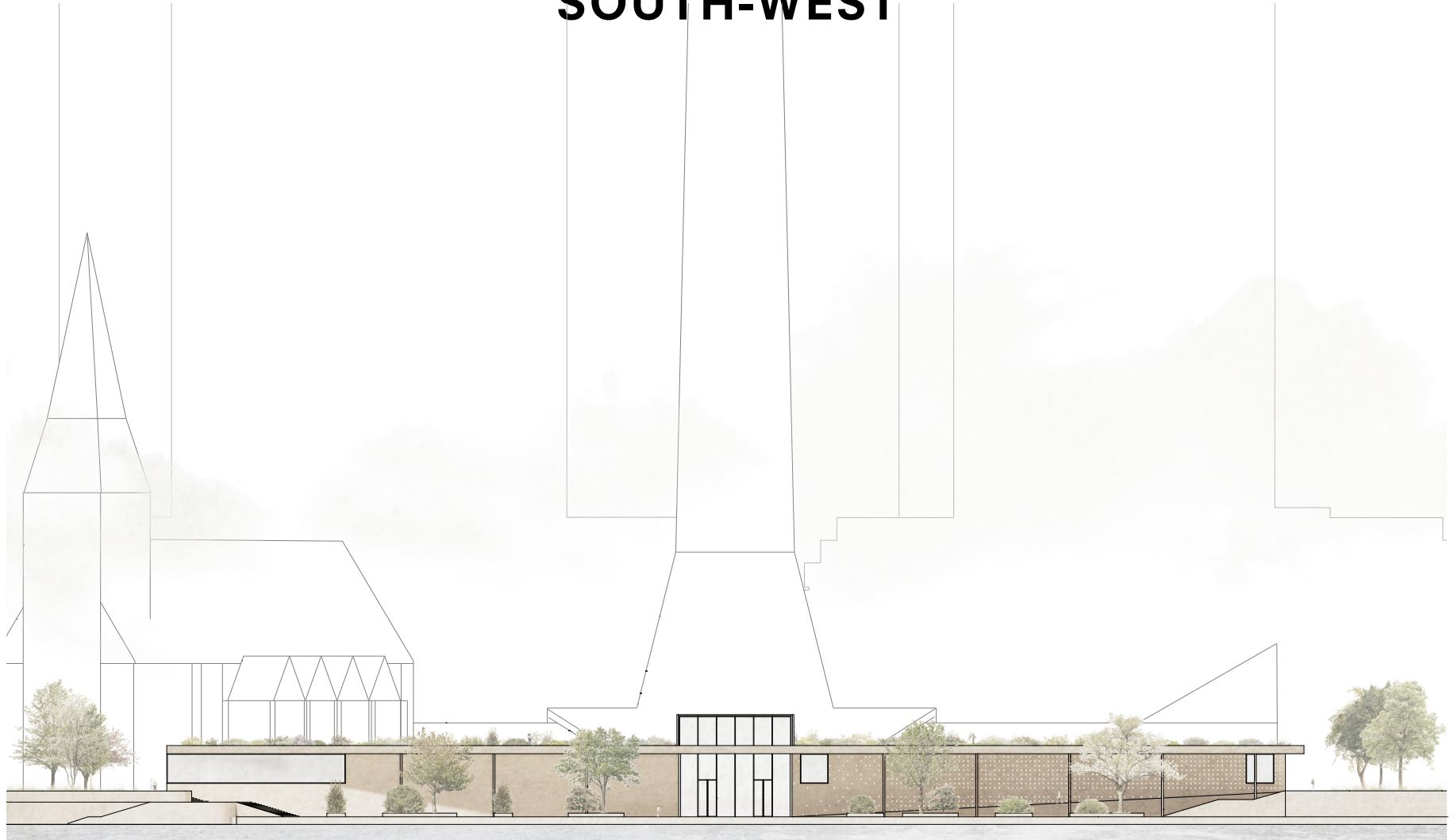
Elevation

# NORTH-EAST



Level of detail. 1:200

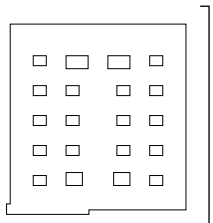
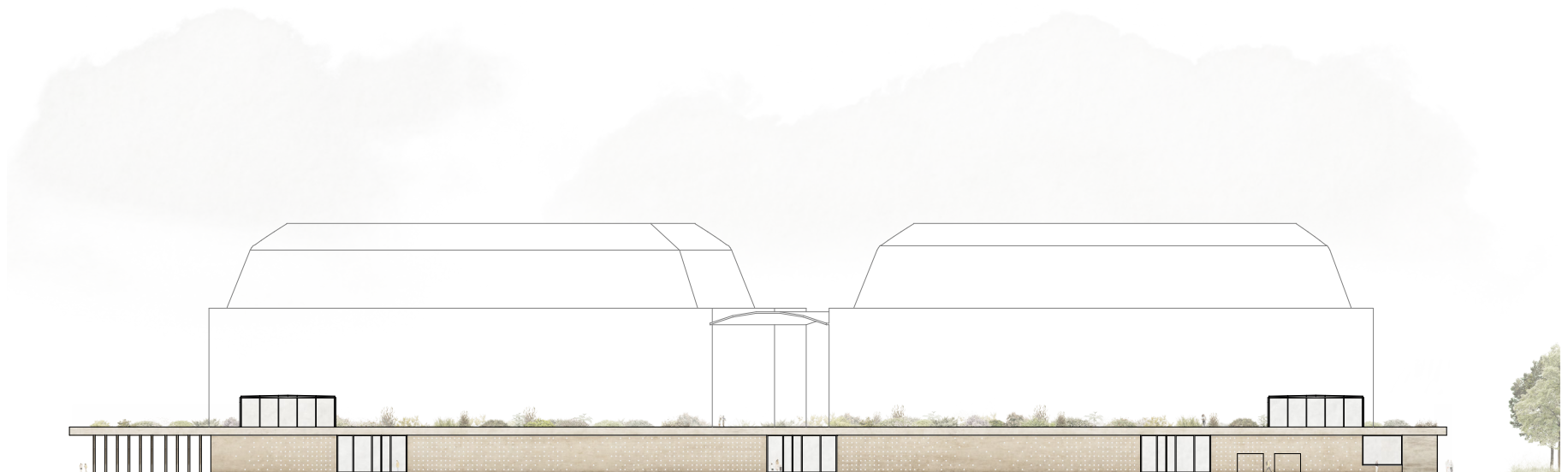
Elevation  
**SOUTH-WEST**



Level of detail. 1:200

Elevation

# SOUTH-EAST

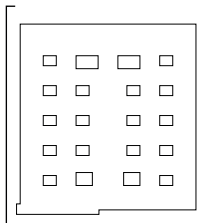
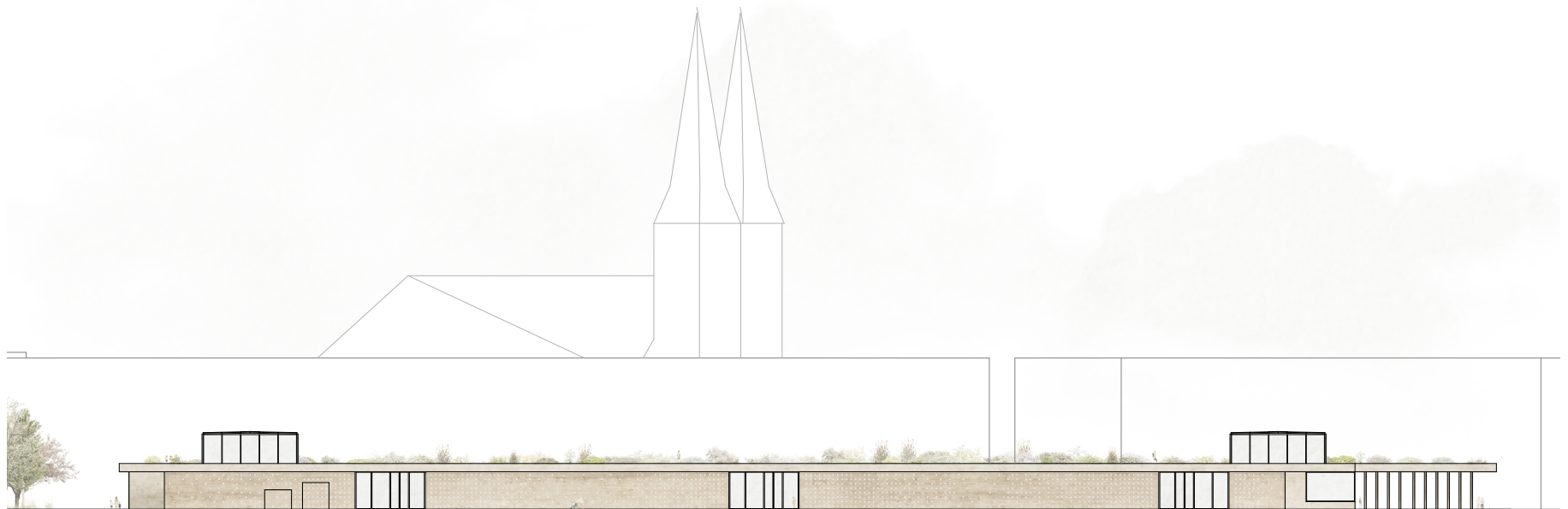


Level of detail. 1:200



Elevation

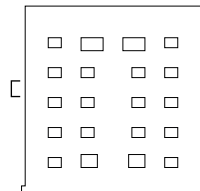
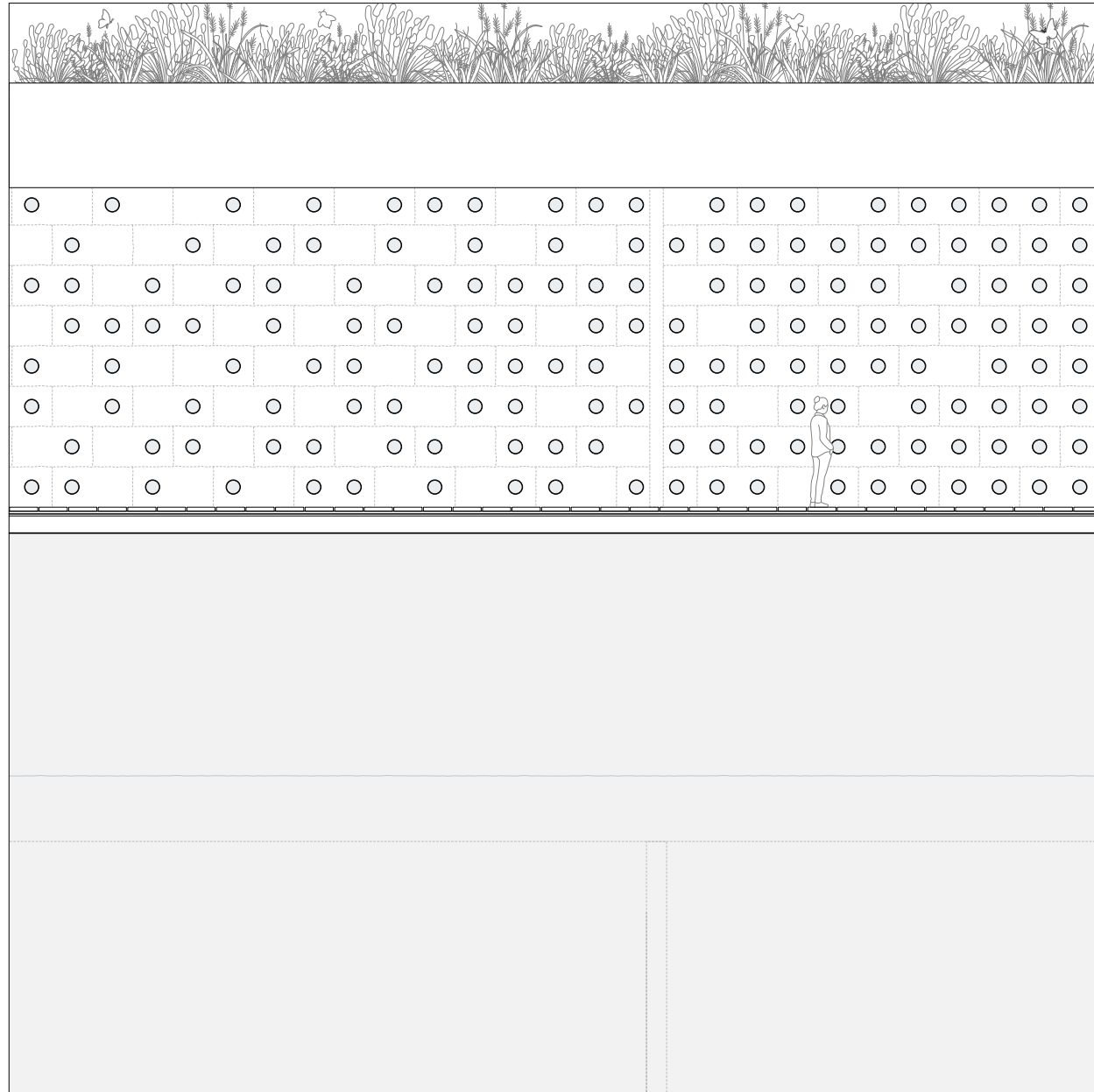
# NORTH-WEST



Level of detail. 1:200

Elevation

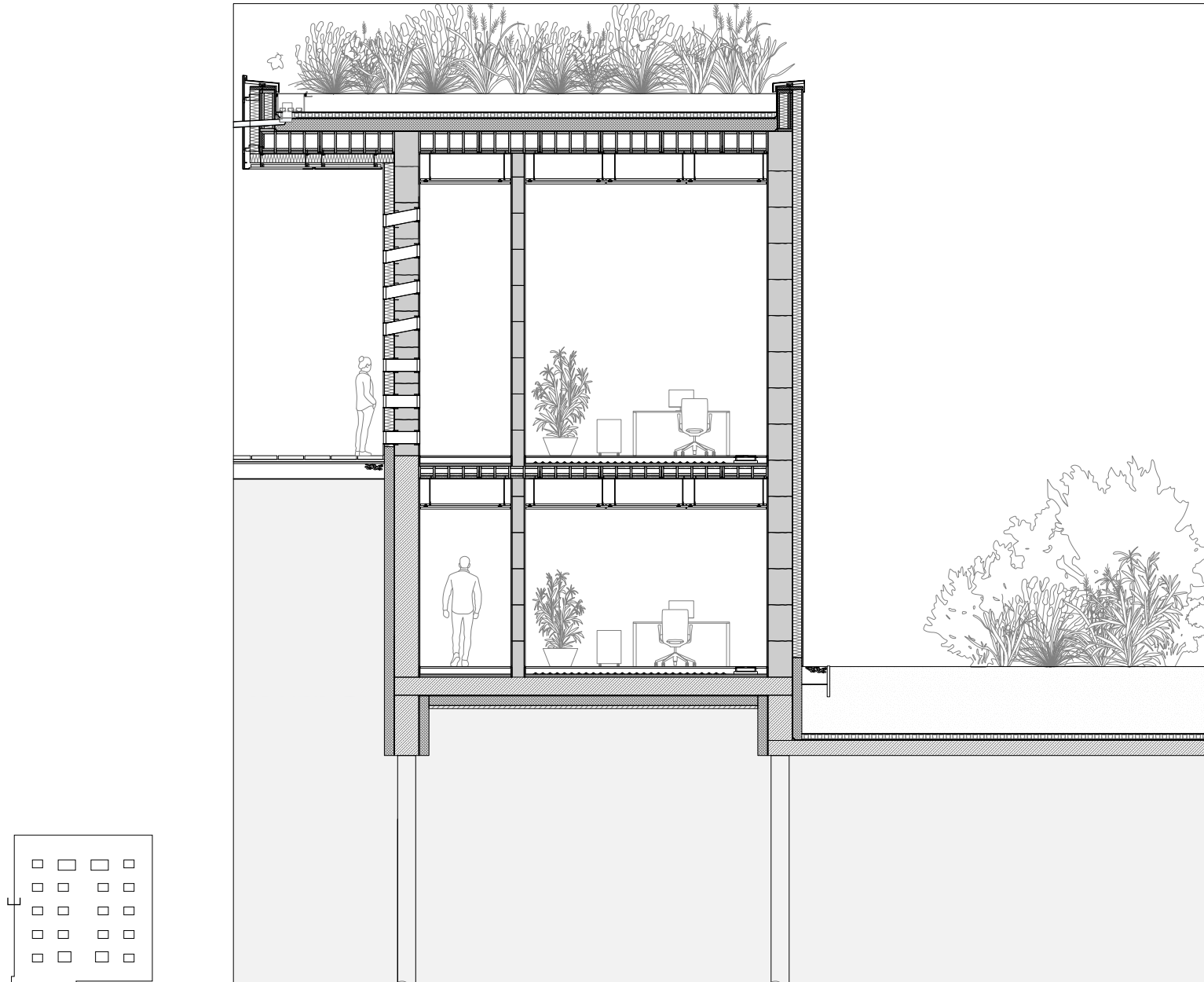
# FACADE FRAGMENT. ELEVATION



Level of detail. 1:20

Elevation

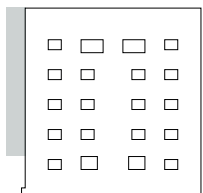
# FACADE FRAGMENT. SECTION



Level of detail. 1:20

Elevation

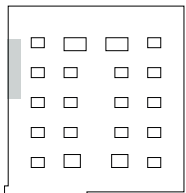
# PEDESTRIAN EXPERIENCE





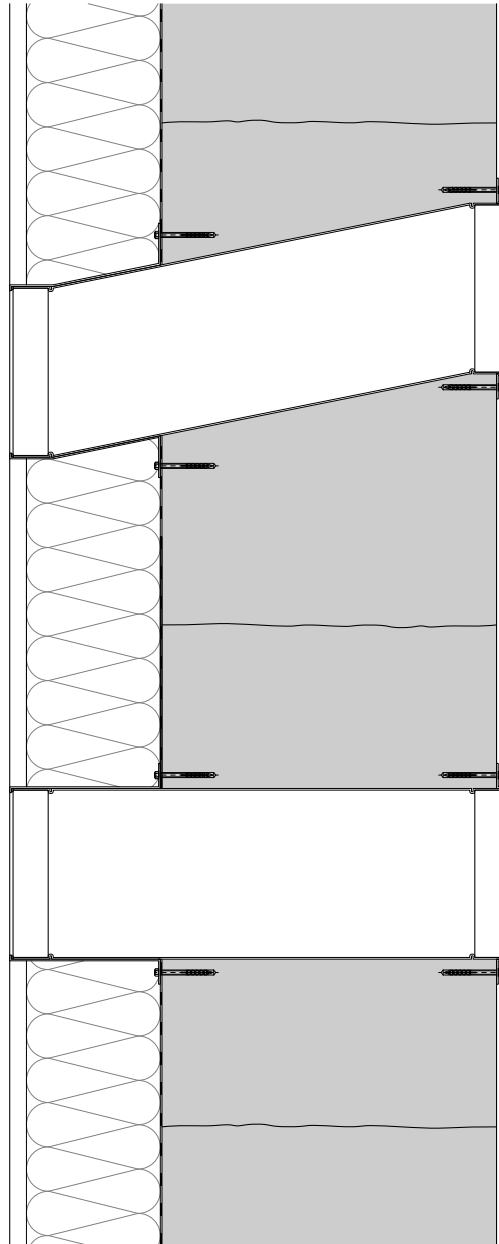
Elevation

# JUDGES EXPERIENCE





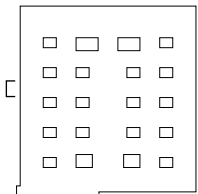
# FACADE. OPENING ELEMENT



Level of detail. 1:5

Elevation

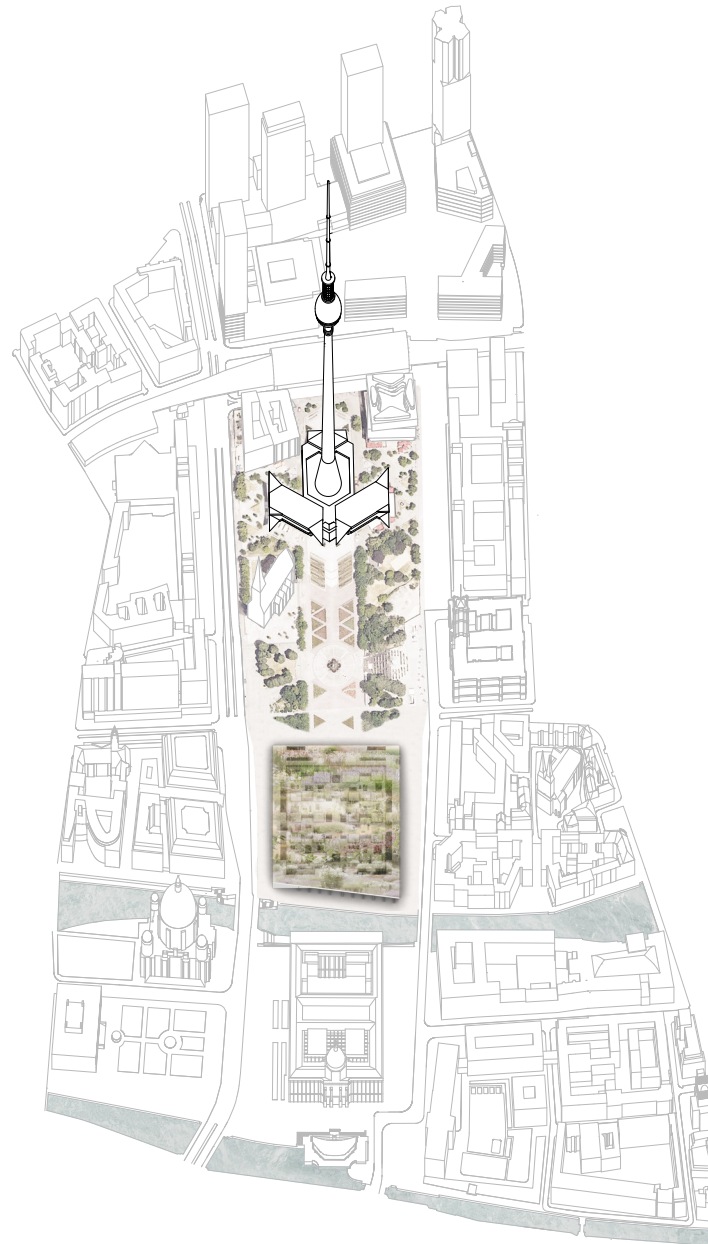
# PEDESTRIAN EXPERIENCE



# EXTERIOR

Exterior

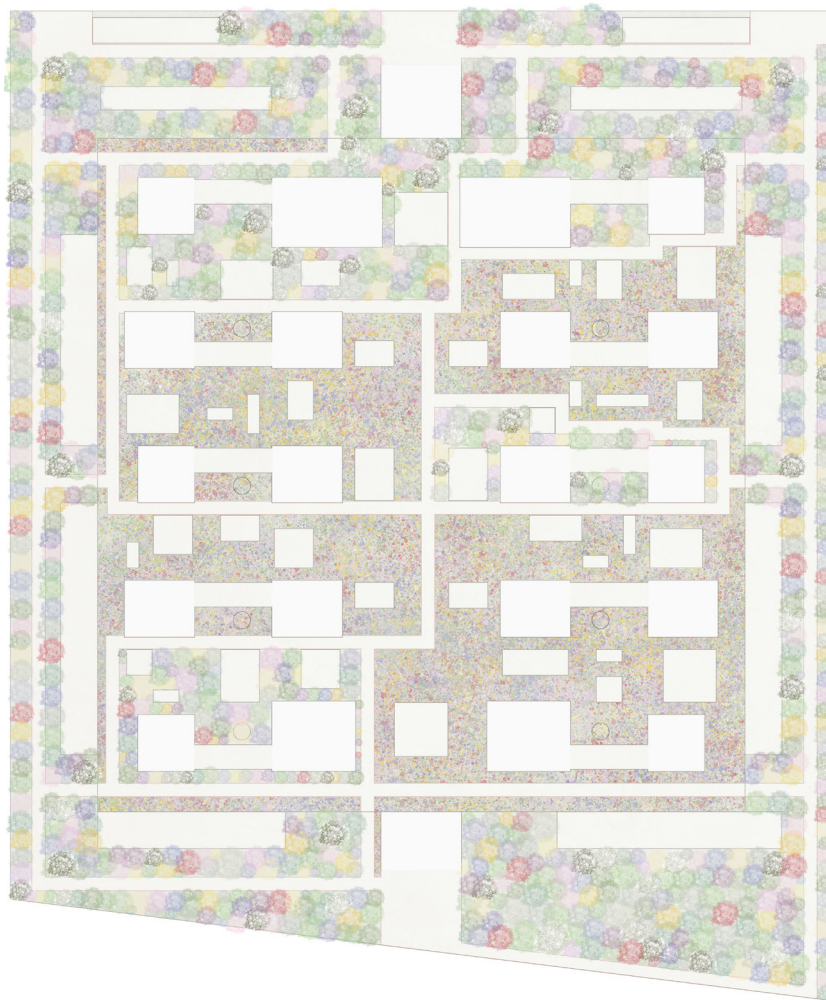
# ACCESSIBLE GREEN ROOF





Exterior

# ACCESSIBLE ROOF. PLANTS FOR ENDANGERED INSECTS

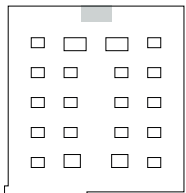


Bees and Butterflies

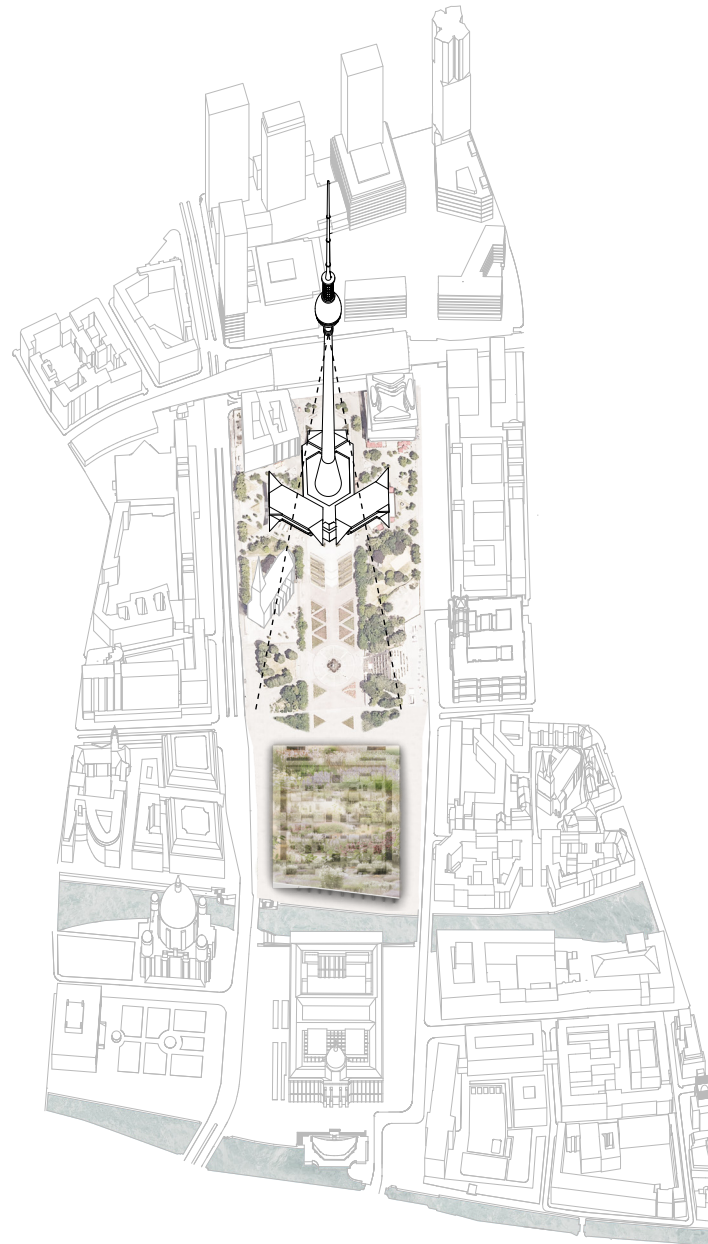
Level of detail. 1:200



# ACCESSIBLE ROOF. PLANTS FOR ENDANGERED INSECTS



Exterior  
**5<sup>TH</sup> FAÇADE**



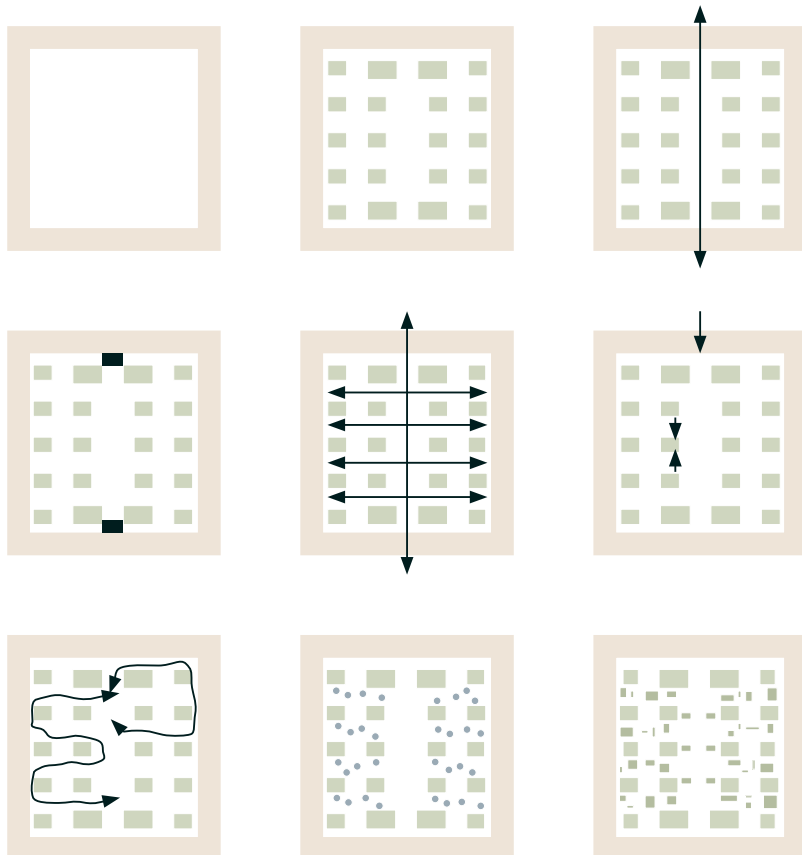
# REFLECTION



# Reflection

## CONCLUSION

What **spatial qualities** influence the **user's experience** in a manner that improves the **efficiency of processes** in a courthouse?



# Reflection ENVIRONMENT

