









### PARLIAMENT?







### ROMER OF TERRITORY

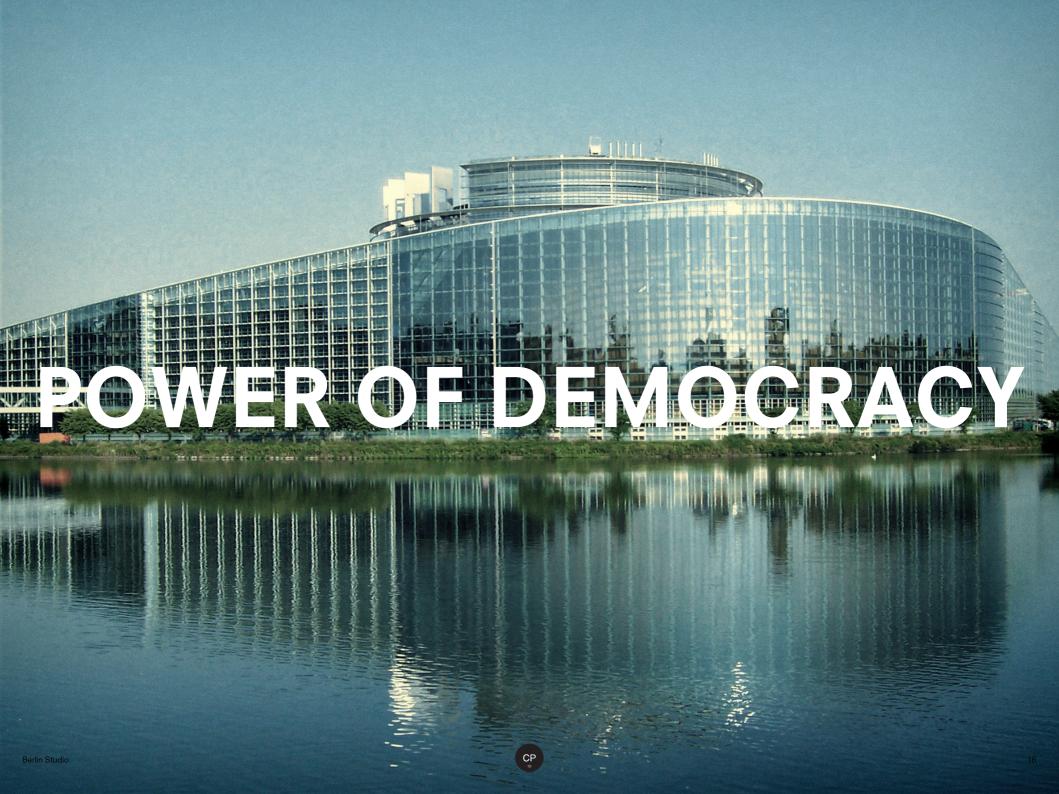
## 1955 ECONOMICAL PLAN 50 IN 5 YEARS BRASILIA











### WHAT'S NEXT?







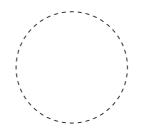
# POWER OF SUSTAINABILITY?

# HOW DOES SUSTAINABILITY AFFECT THE ARCHITECTURE OF POWER?

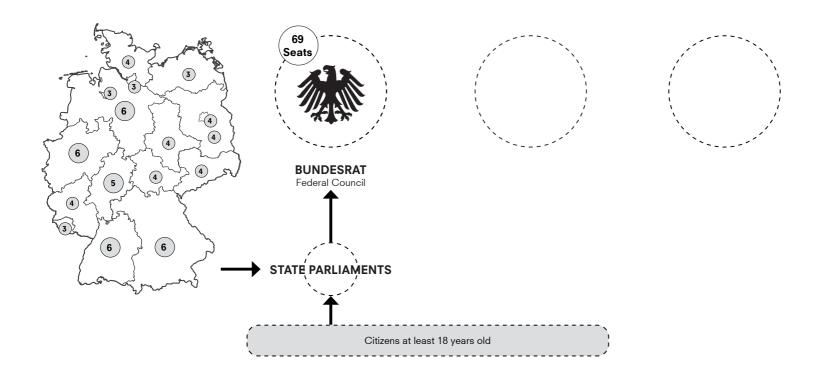


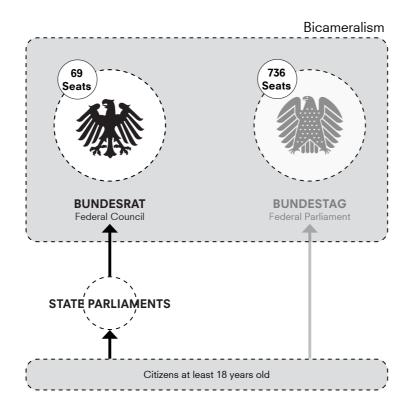


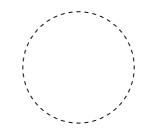
Federal Council

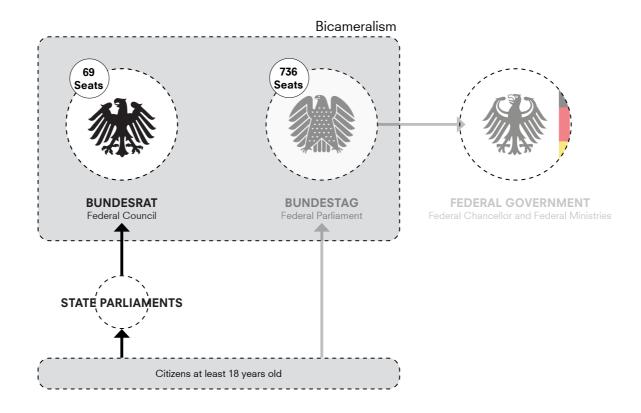












#### research

#### **BICAMERALISM IN GERMANY**

The European Union, the United States, a call strong bicameralism. These systems relative equality of standing and lack of composition. In all three systems, laws chambers in identical form. Strong bicamaking it necessary for them to accommod negotiations between the chambers (interpolitics.

The European Union,
the United States,
and **Germany** are
characterized by what
political scientists call
strong bicameralism.

In the European Union,
and scientists is ambers of lar political in bers while insions make a of legislative.



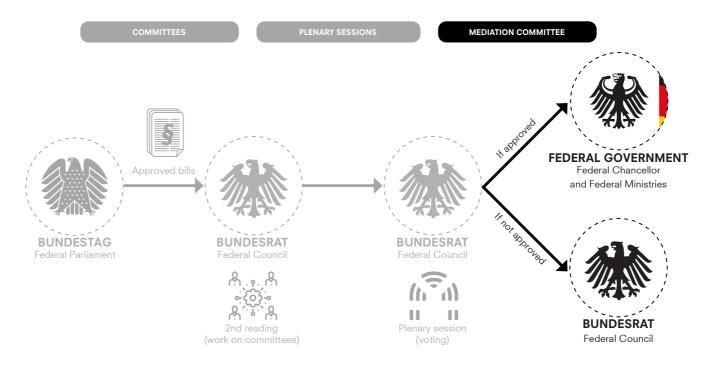
COMMITTEES



COMMITTEES

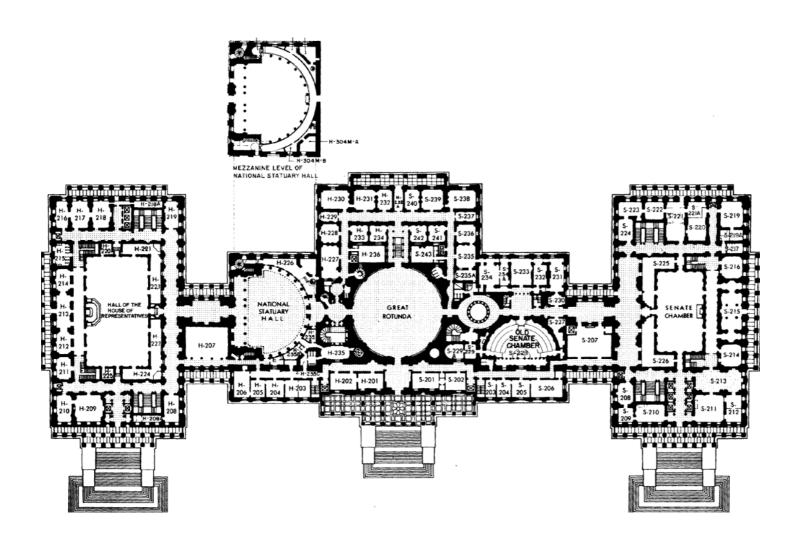
PLENARY SESSIONS







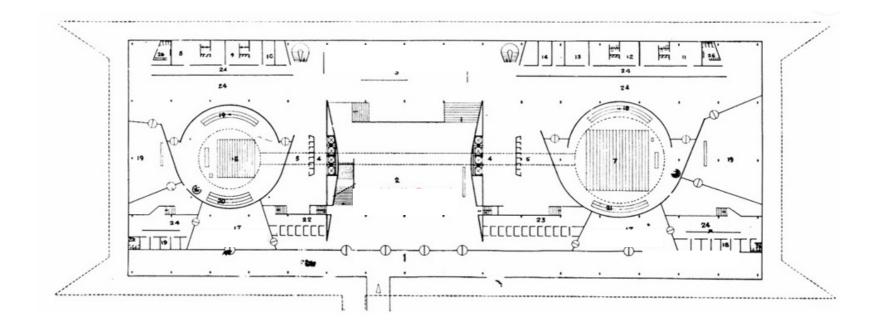
#### **BICAMERALISM IN THE US**



# research **BICAMERALISM IN BRAZIL UPPER** HOUSE LOWER HOUSE

#### research

#### **BICAMERALISM IN BRAZIL**



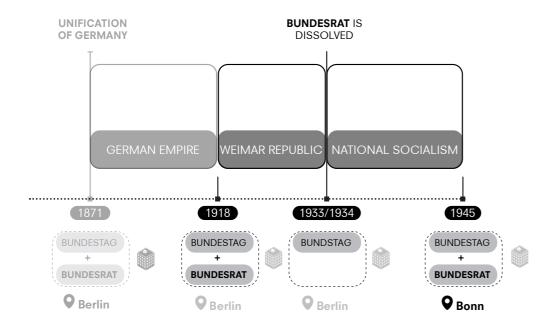
## IN GERMANY...



-

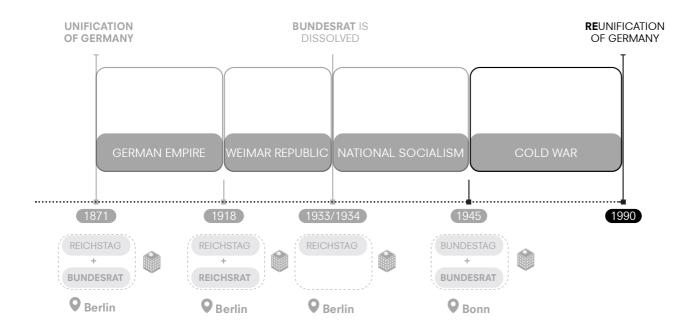
mannan James BUNDESRAT (Bundesrat) **国国际报** 104710 104710 



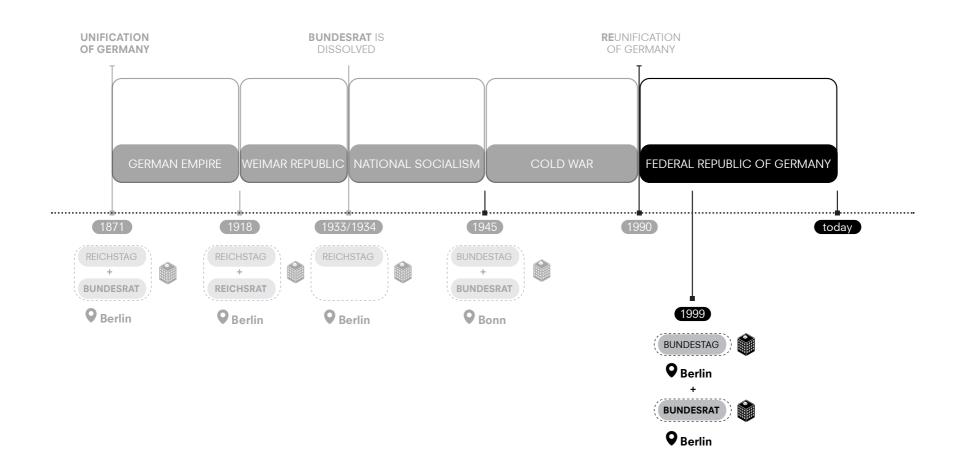


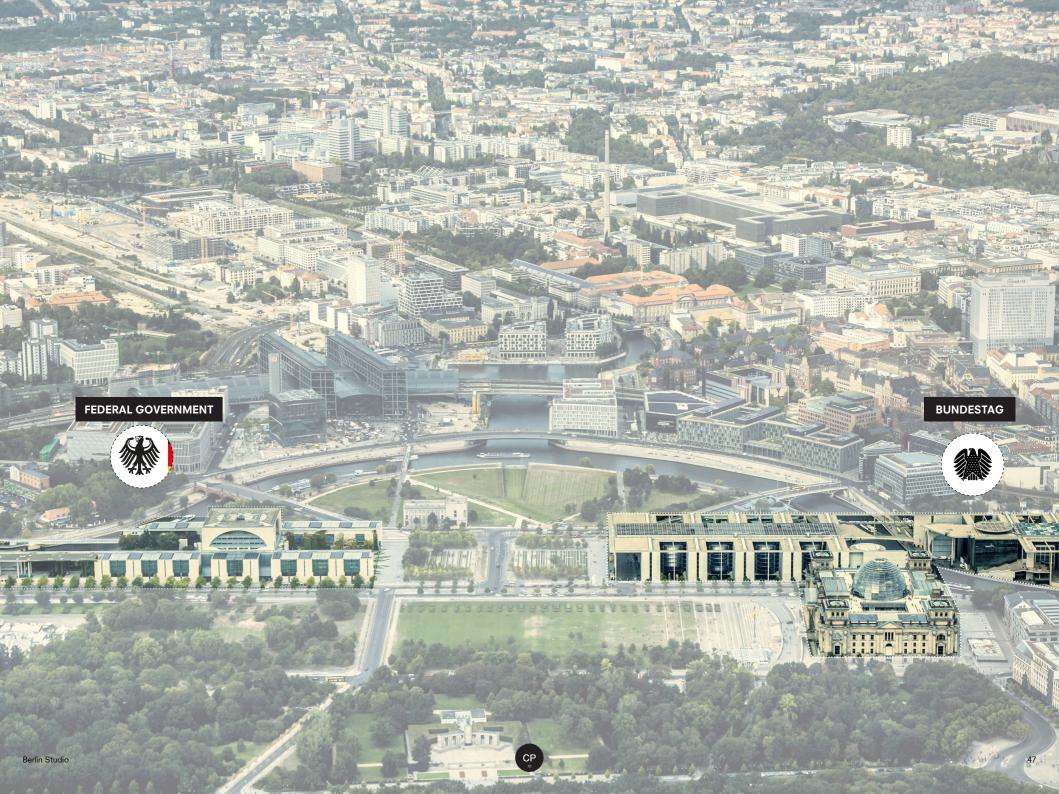






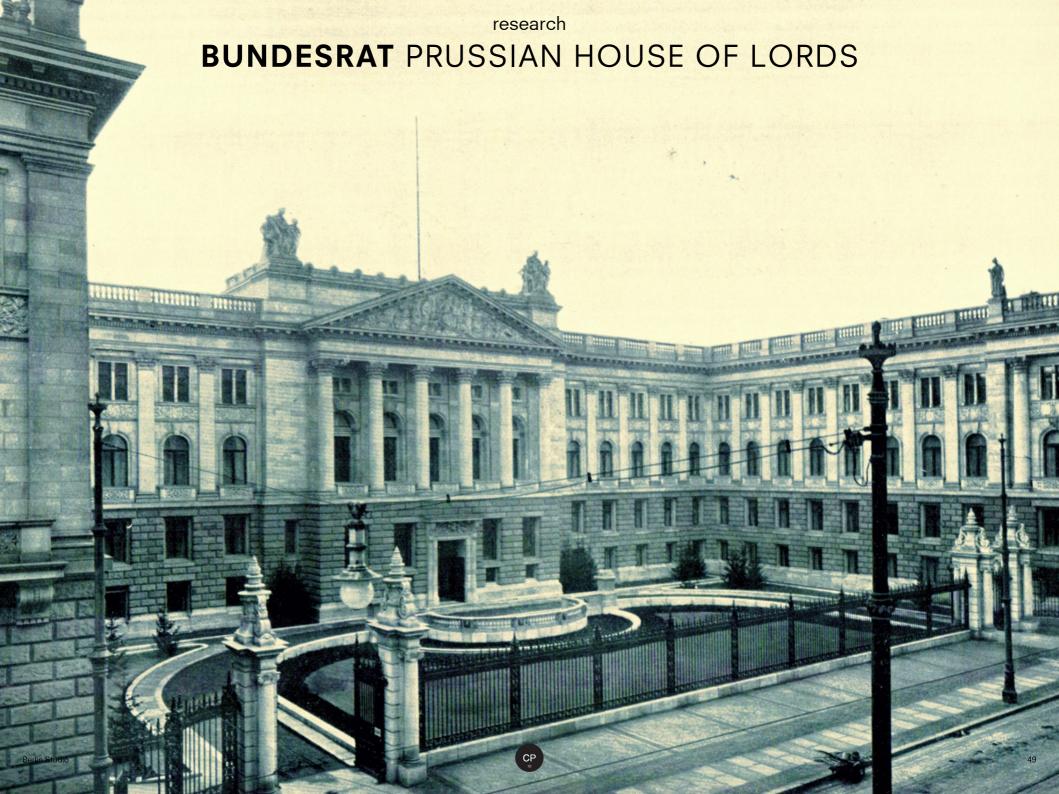






#### FED. GOV. AND BUNDESTAG



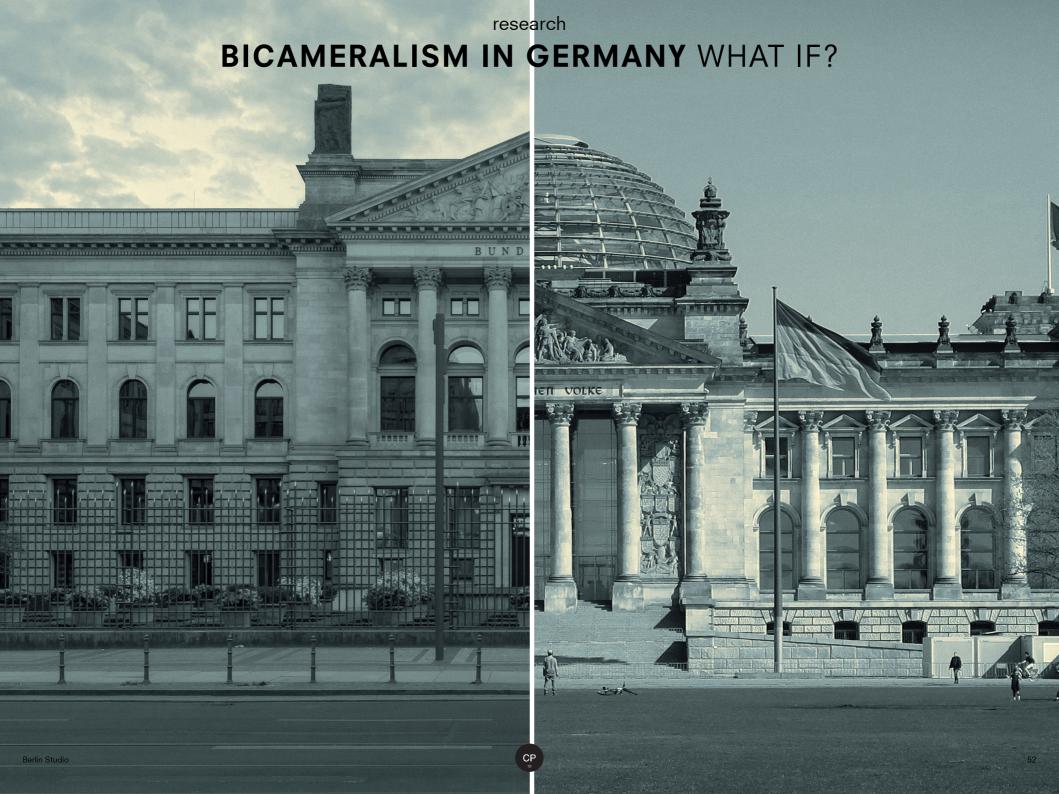


## **BUNDESRAT**



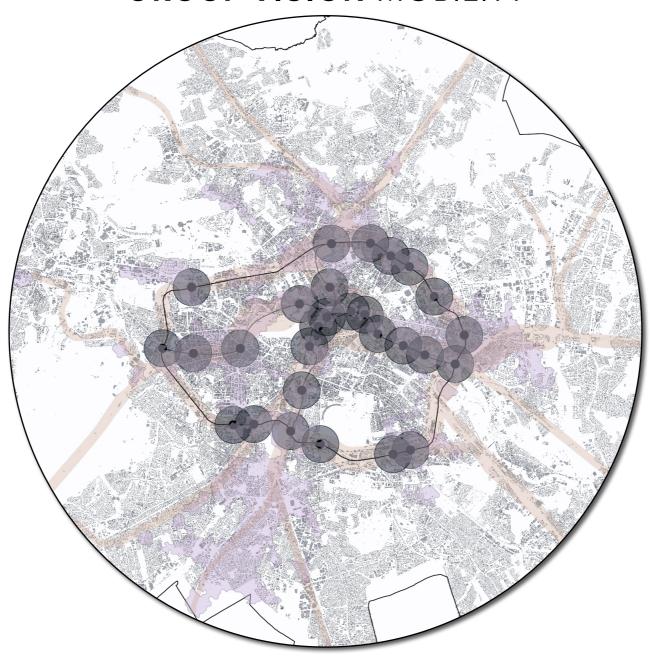
## **BUNDESRAT** WHAT IF?



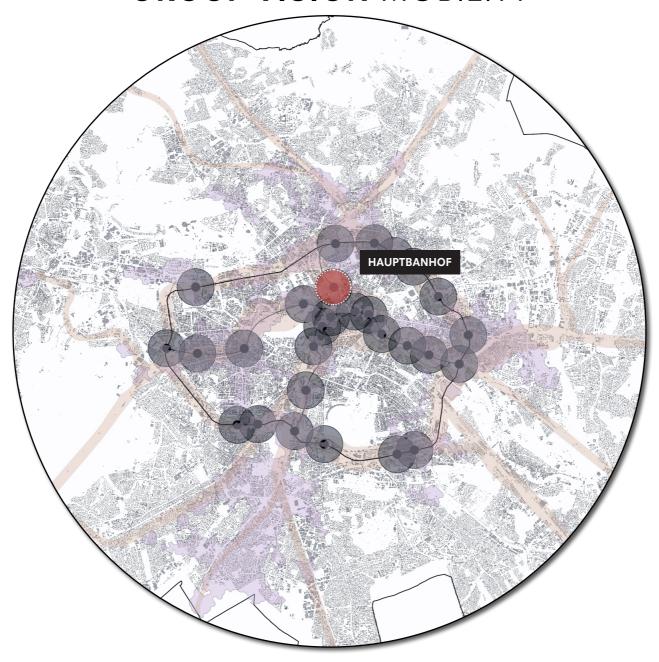


# SITE

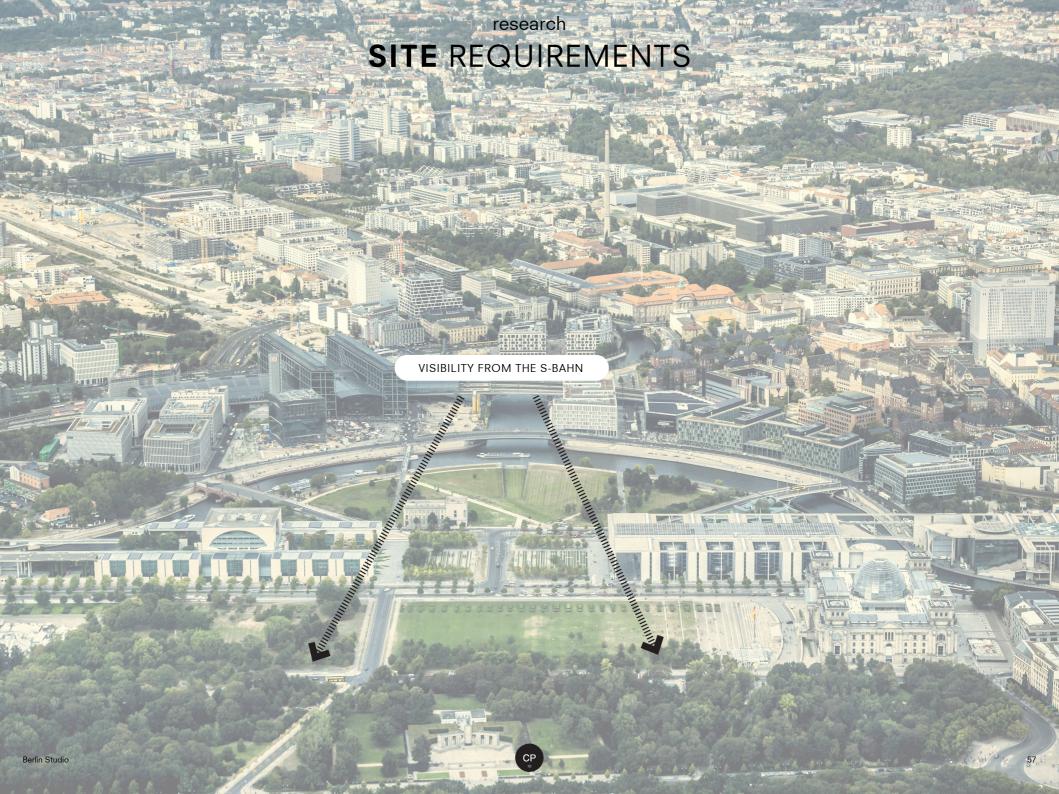
## **GROUP VISION MOBILITY**



## **GROUP VISION MOBILITY**





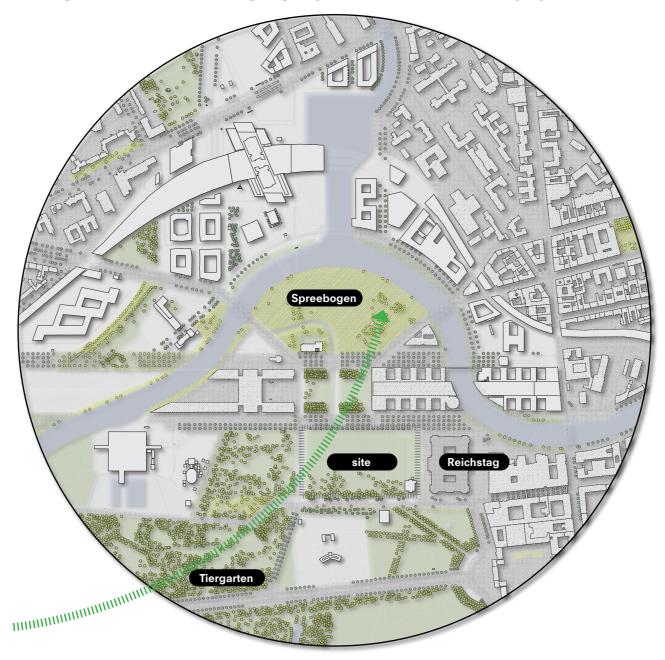




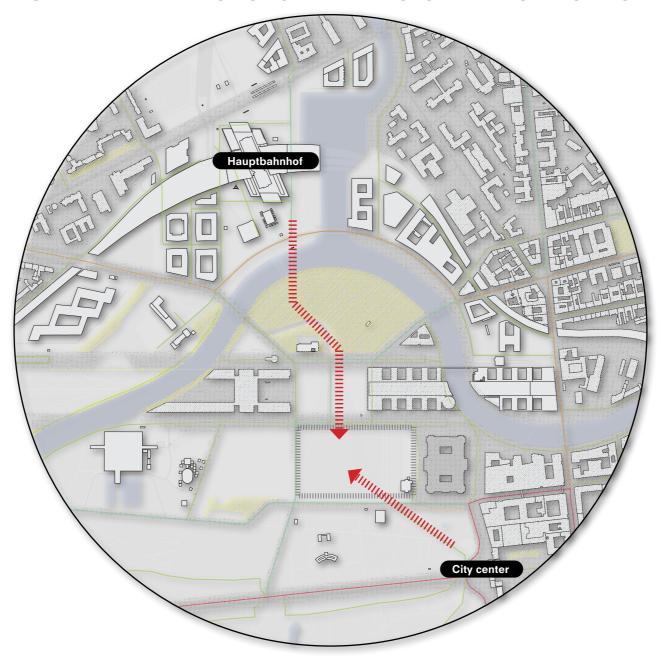




## SITE ANALYSIS GREEN LANDSCAPE



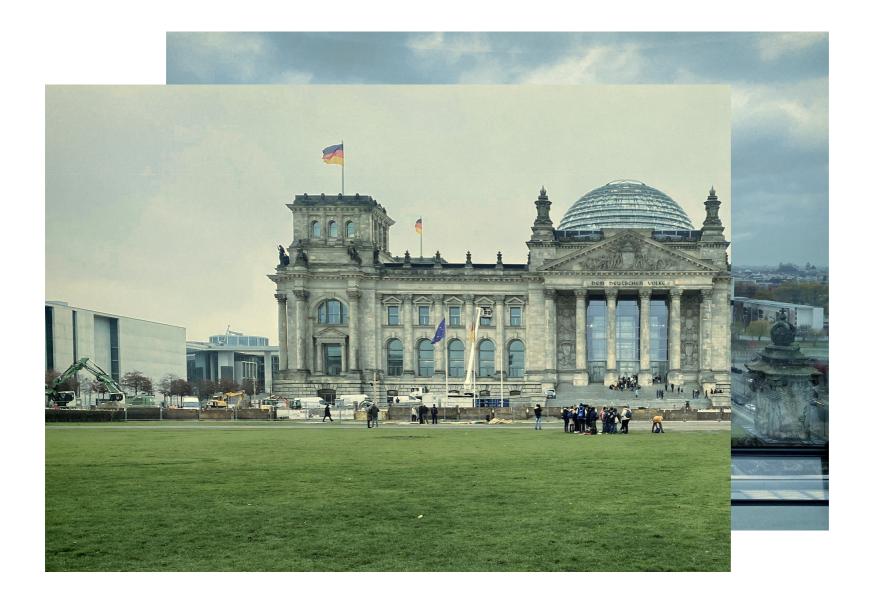
## SITE ANALYSIS URBAN CONNECTIONS



## SITE ANALYSIS UNDERGROUND INFRASTRUCTURE

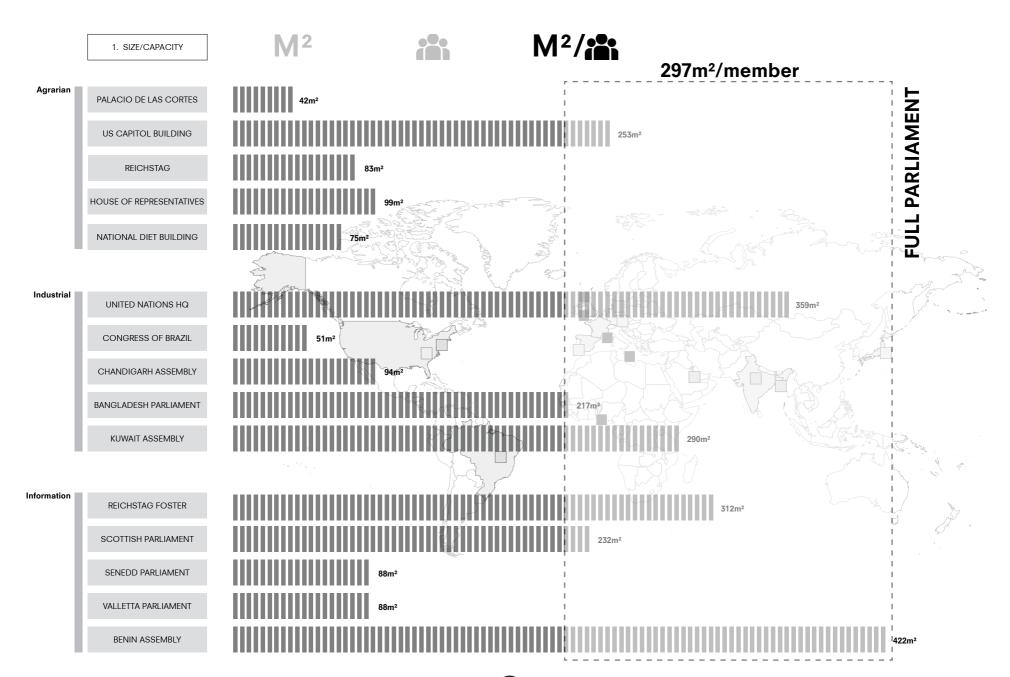






## PROGRAM

#### **BENCHMARKING**



#### **CLUSTERS**

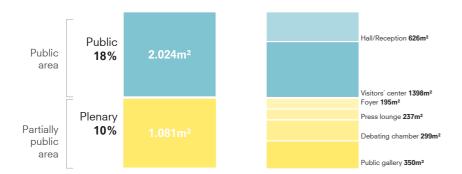
Information

CONGRESS OF BRASILIA	PUBLIC	UBLIC PLENARY		OFFICES		SERVICES	
		23%		32%	31%	14%	
REICHSTAG	PUBLIC	PLENARY	OFFICES		SERVICES		
		19%	15%		43%	23%	
SCOTISH PARLIAMENT	PUBLIC	PLENARY OFFICES		SERVICES			
	5%	23%		<del>49%</del> 23%			
SENEDD	PUBLIC	PLENARY		OFI	FICES SERVICES		
		26%		35%	15%	24%	
VALLETTA PARLIAMENT	PUBLIC	PLENARY	OFFICES		SERVICES		
		22%	17%		37%	24%	



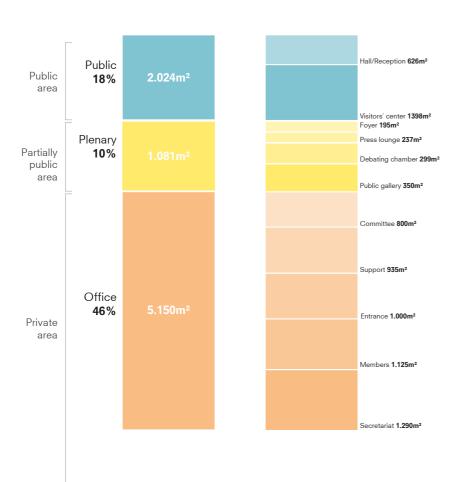






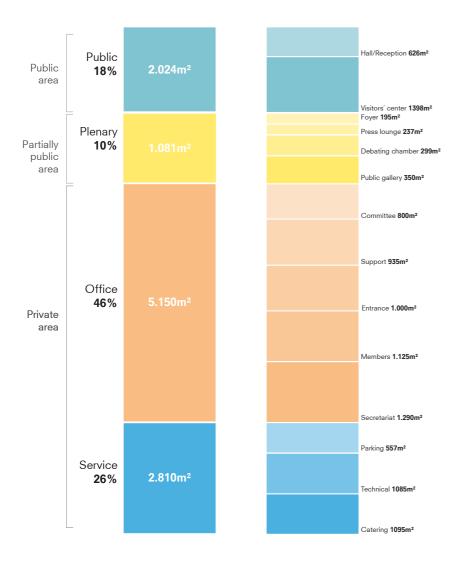










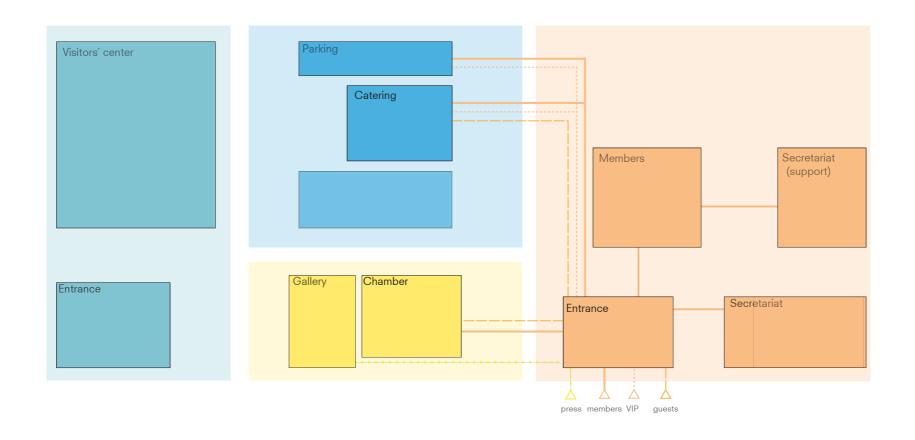


Total area 15.269m²



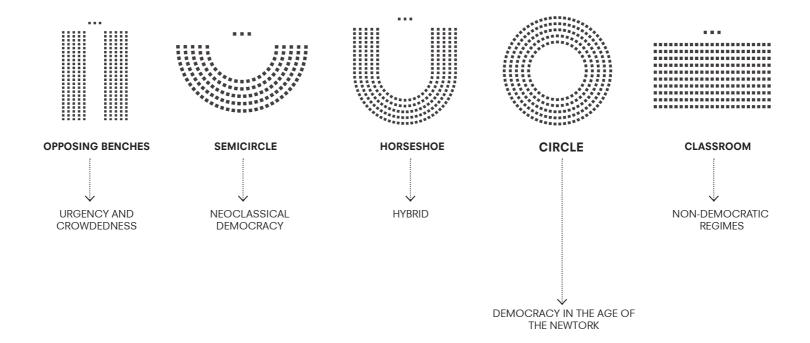


#### **RELATION SCHEME** COMPLEXITY OF USERS



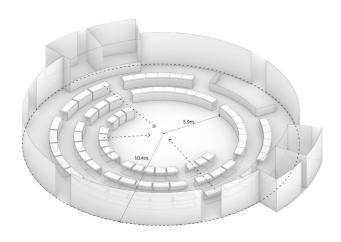


#### **CHAMBER** POLITICS OF SPACE



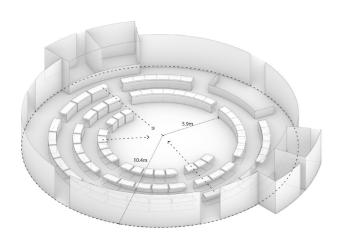
XML (2015)

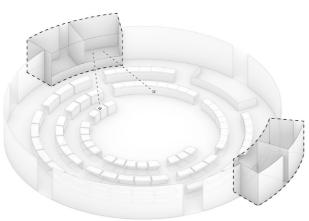
# KEY SPACE CHAMBER



**330M²** 69 MEMBERS

# KEY SPACE CHAMBER

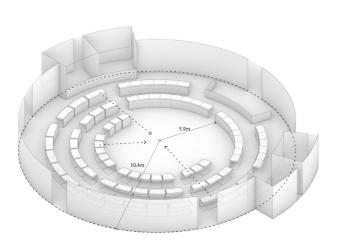


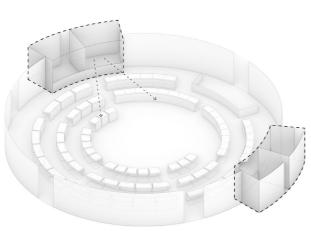


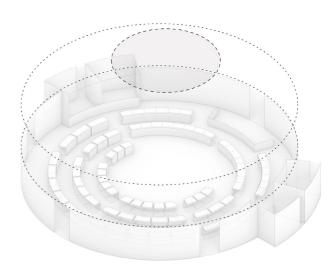
330M<sup>2</sup> 69 MEMBERS

TWO INTERPRETING BOOTHS
FACING THE MEMBERS

# KEY SPACE CHAMBER





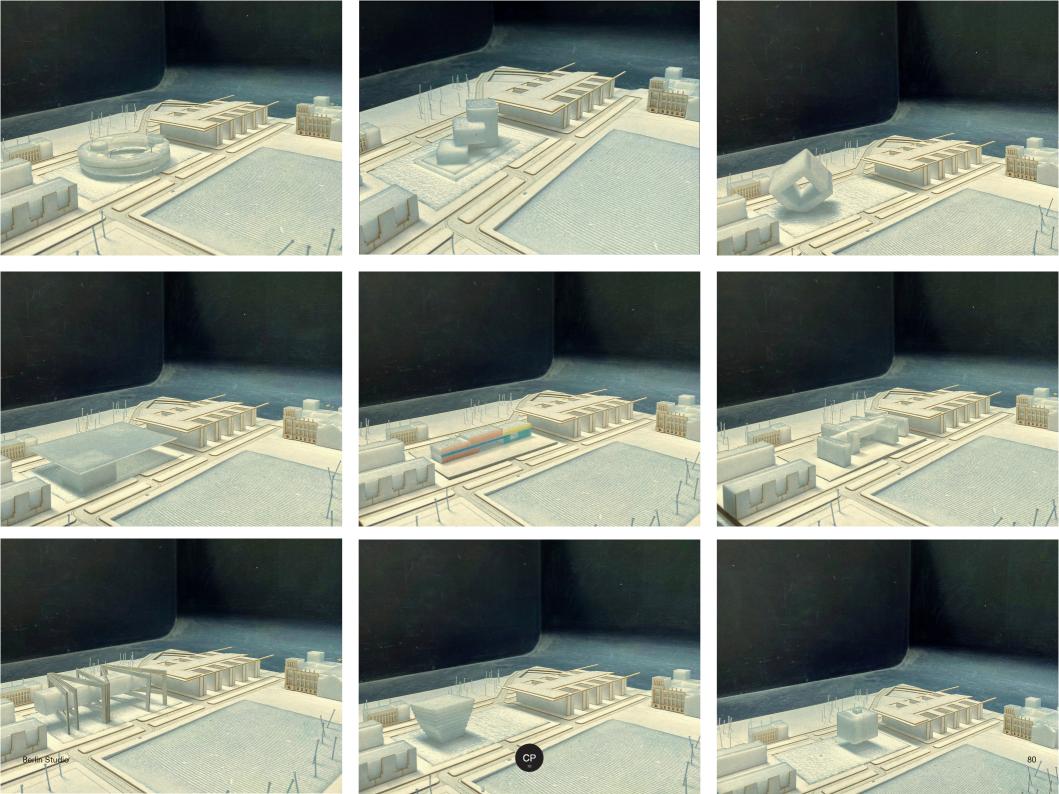


330M<sup>2</sup> 69 MEMBERS

TWO INTERPRETING BOOTHS
FACING THE MEMBERS

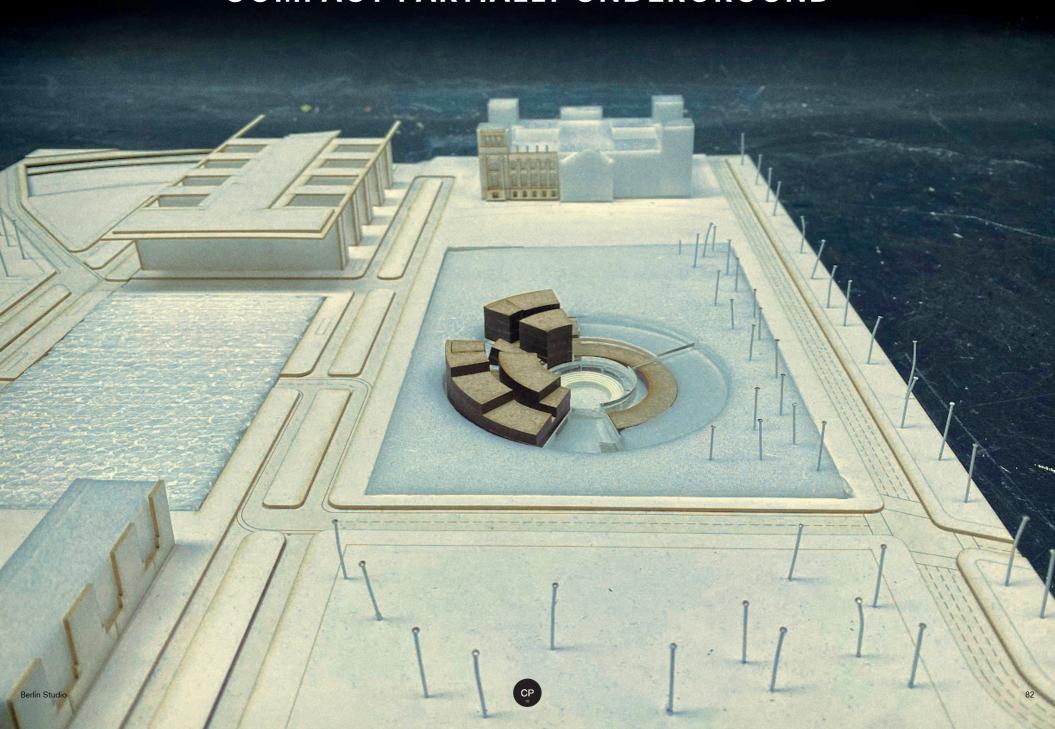
VISIBILITY FROM GALLERY AND TOP OPENING FOR DAY LIGHT

# DESIGN



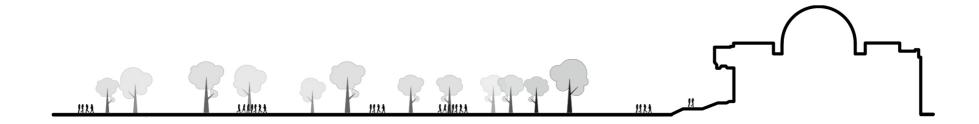
# design LINEAR UNDERGROUND Berlin Studio

# design COMPACT PARTIALLY UNDERGROUND

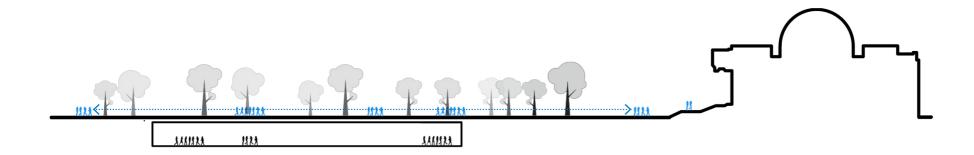


# design FLAT SQUARE PARTIALLY UNDERGROUND

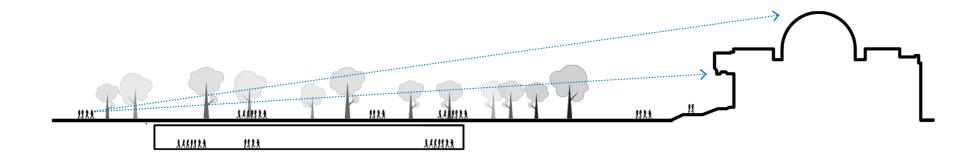
# design CONCEPT SEQUENCE



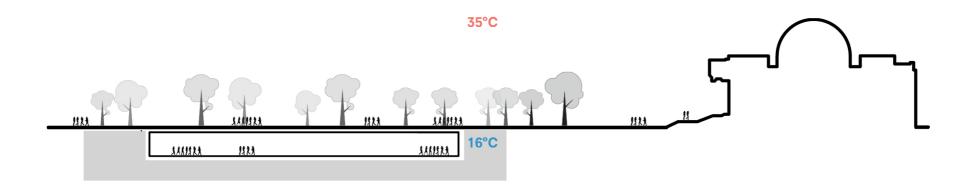
# design #1 PUBLIC REALM



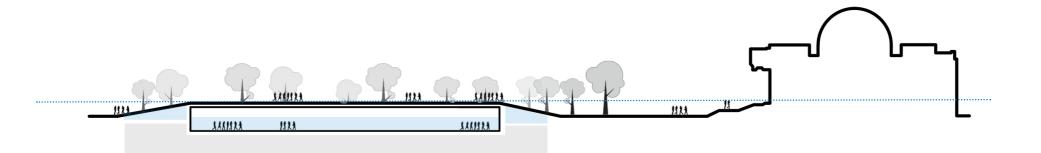
# design #2 LANDSCAPE



# design #3 THERMAL PERFORMANCE

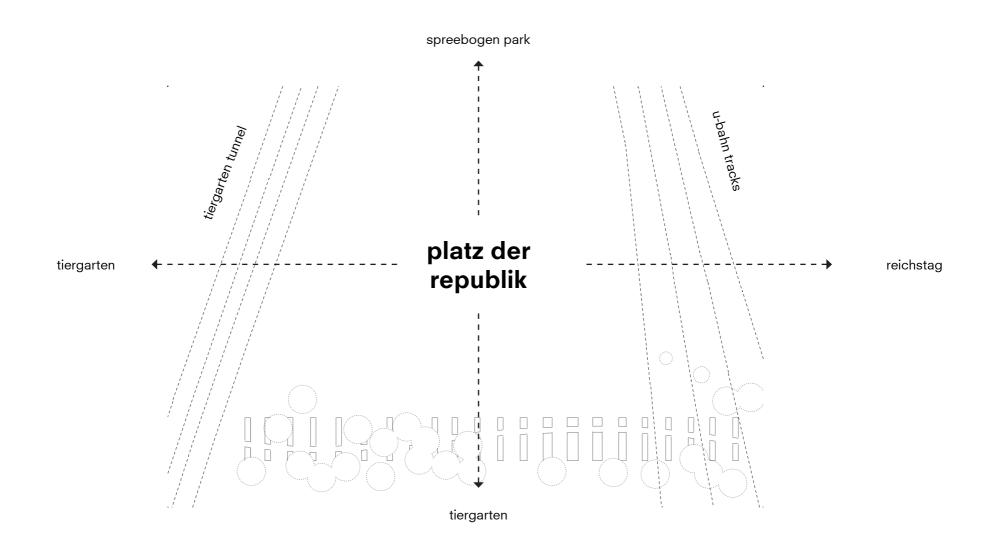


# design #4 SOIL ADJUSTMENT

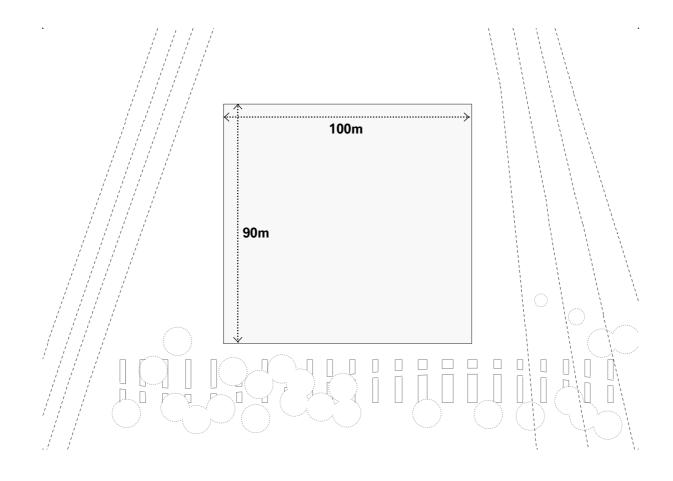




# design CONSTRAINTS



# design FOOTPRINT

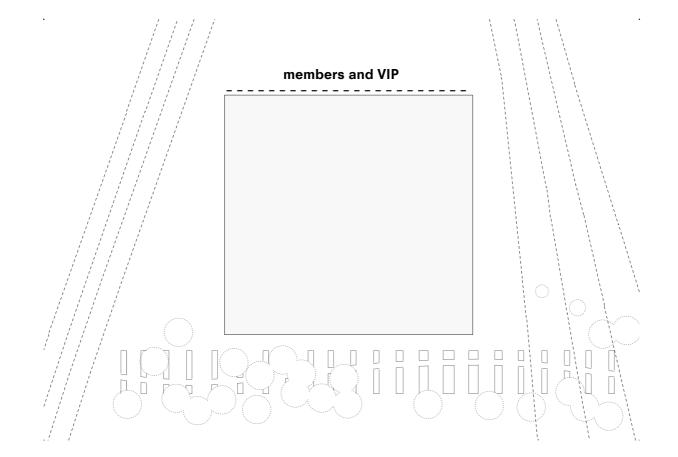


# design **ENTRANCES**

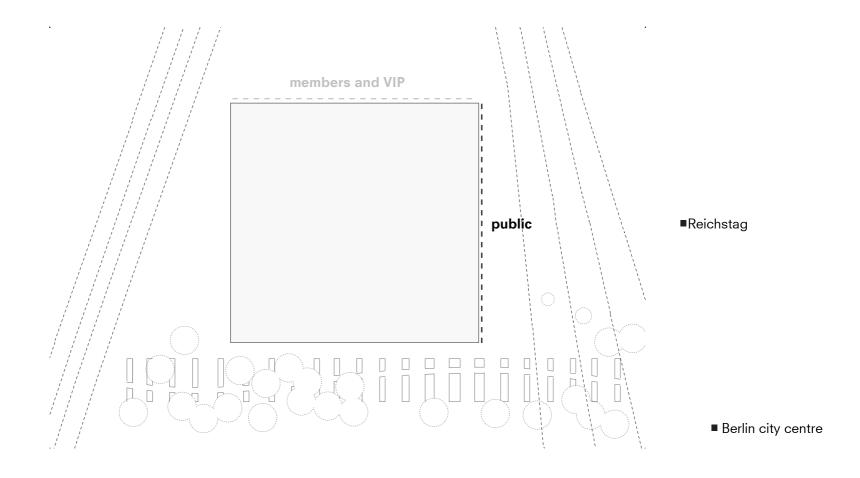
Chancellery ■

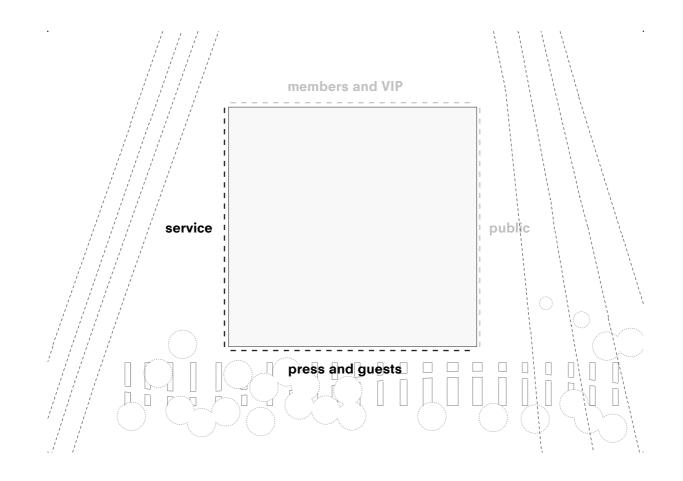
■ U-Bahn station

Bundestag VIP entrance

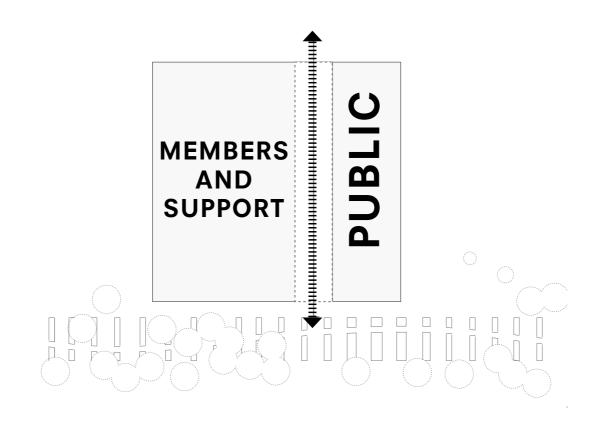


# design **ENTRANCES**





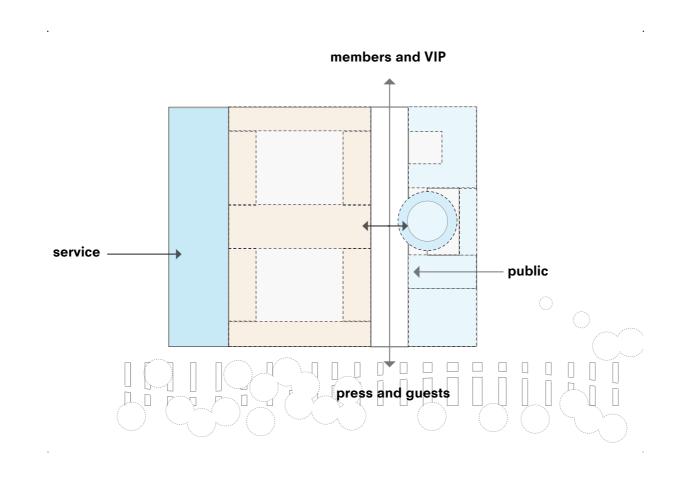
# design BASIC PROGRAM DIVISON



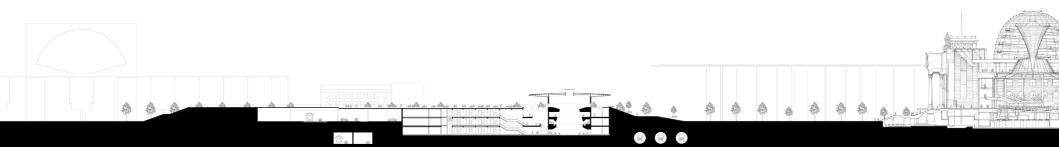
# design CHAMBER

reichstag's dome

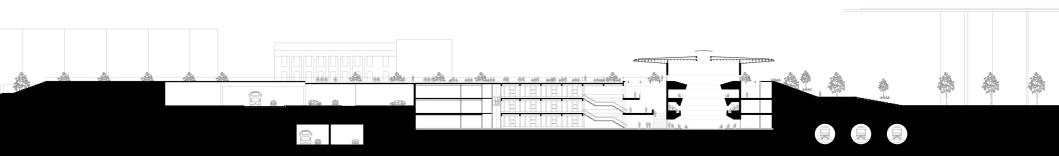
# design PROGRAM SCHEME



# LONGITUDINAL SECTION CONTEXT INTEGRATION



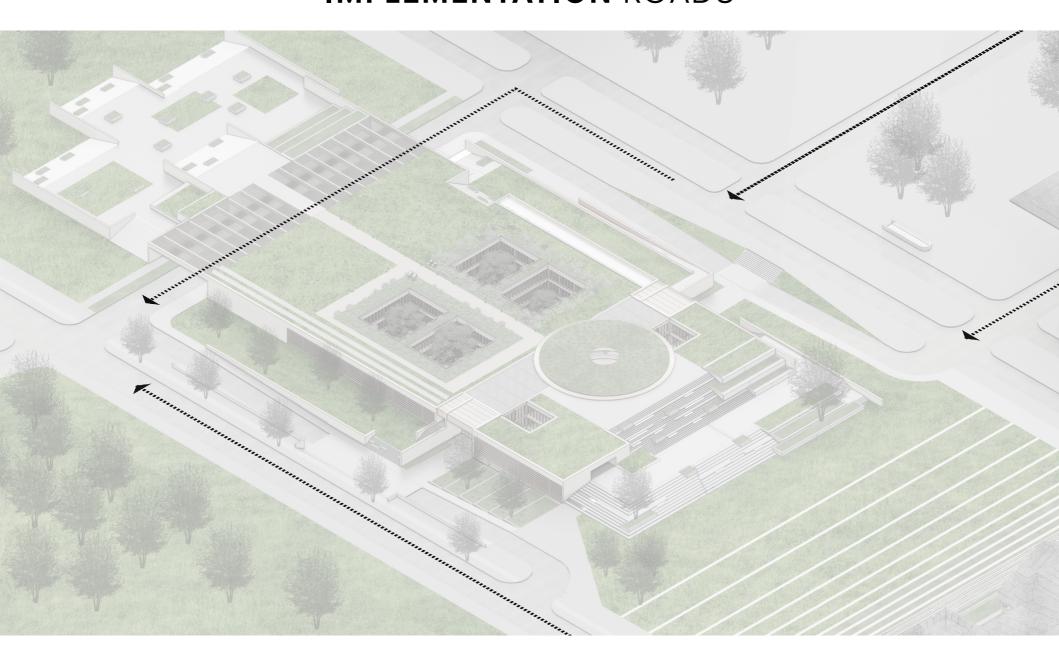
#### LONGITUDINAL SECTION DESIGN OVERVIEW



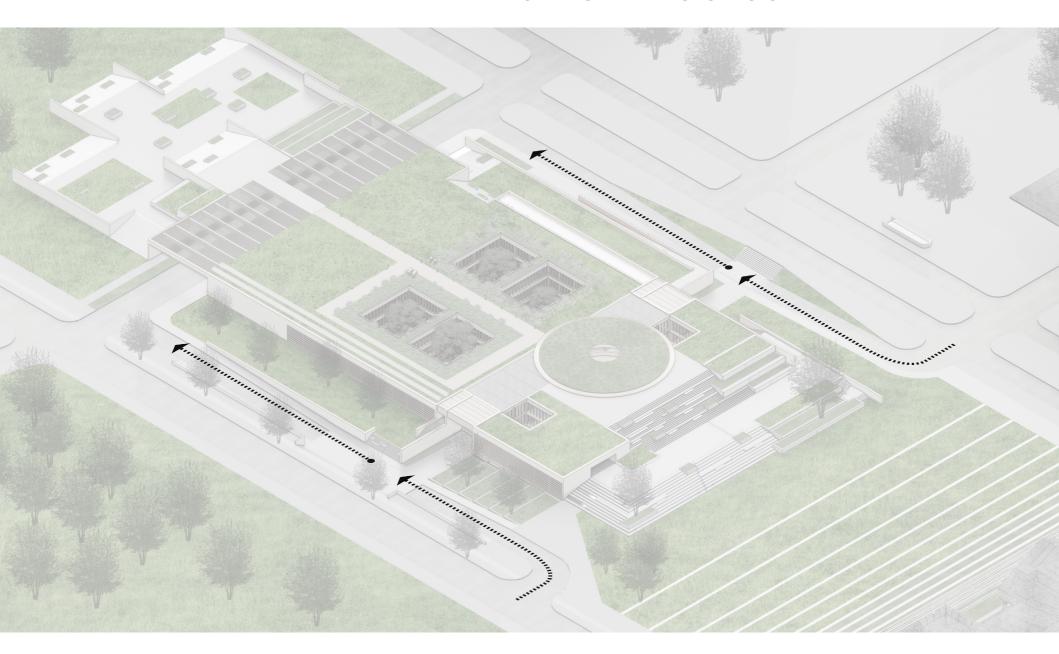
# **IMPLEMENTATION** LANDSCAPE



# design IMPLEMENTATION ROADS



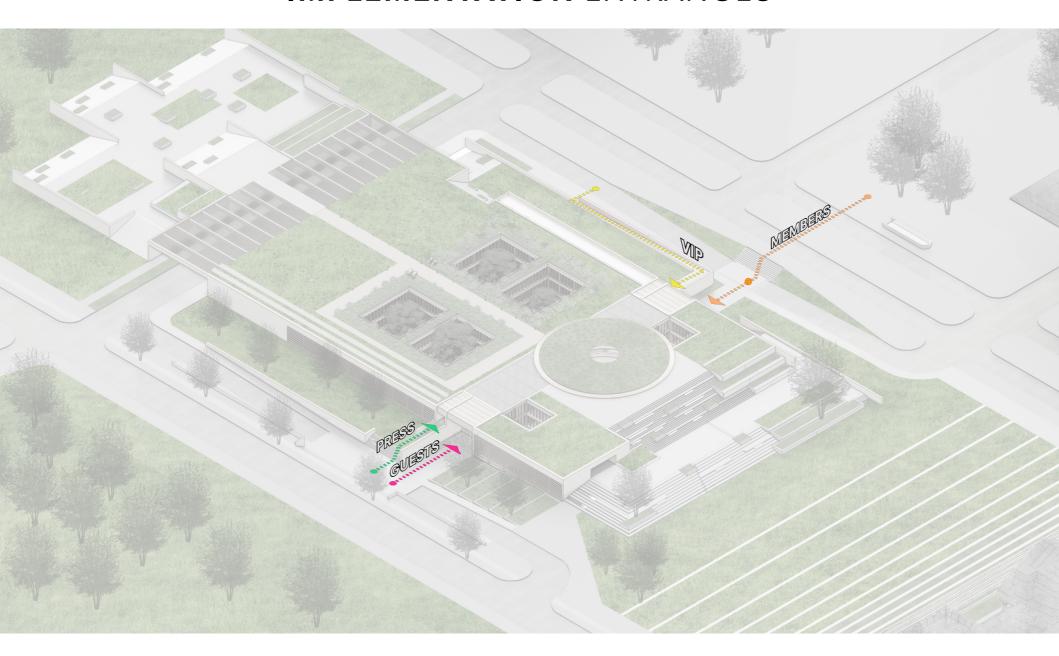
# **IMPLEMENTATION** CAR ACCESS





South façade - car access

# **IMPLEMENTATION** ENTRANCES





Entrance north façade

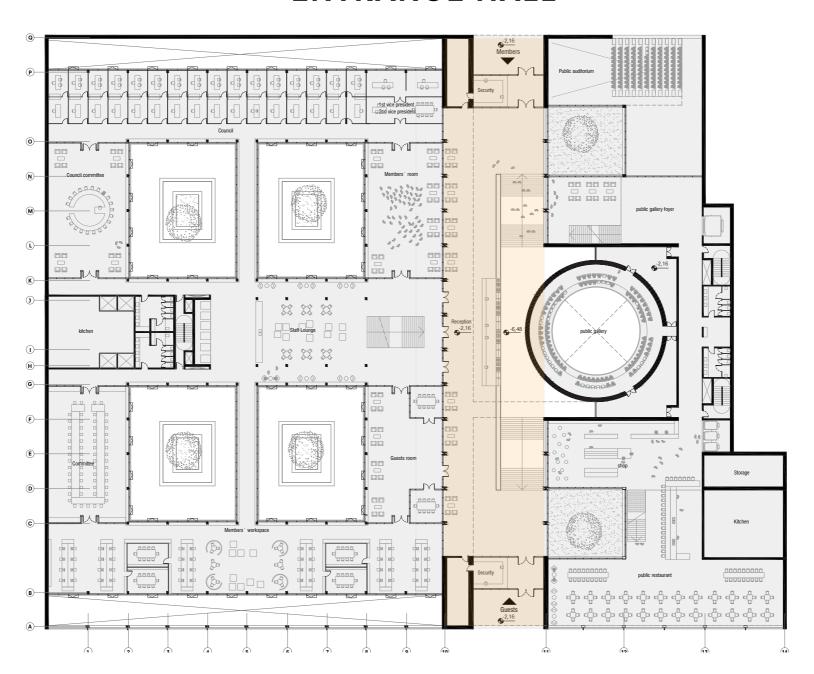
# **RAMMED EARTH**



#### **RAMMED EARTH**



#### **ENTRANCE HALL**



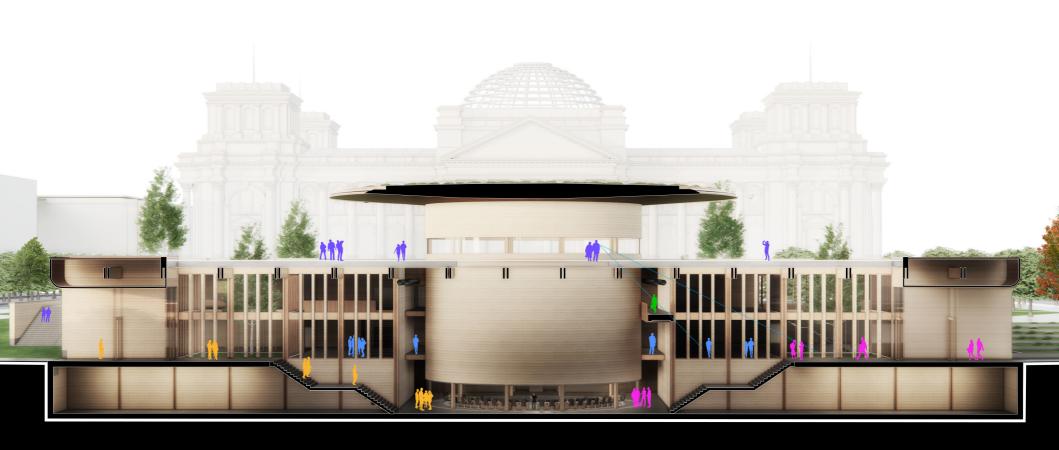
## **ENTRANCE HALL** CITY RELATION



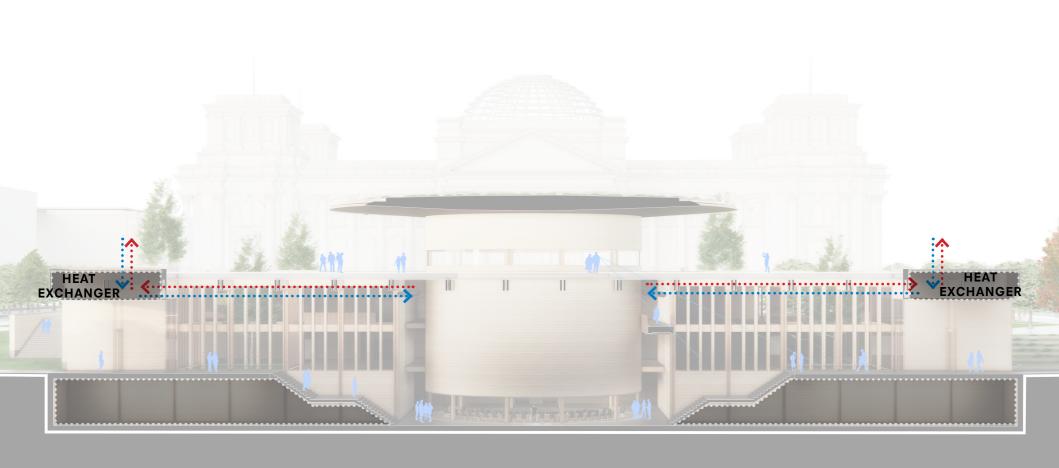
## **ENTRANCE HALL** EXPERIENCE



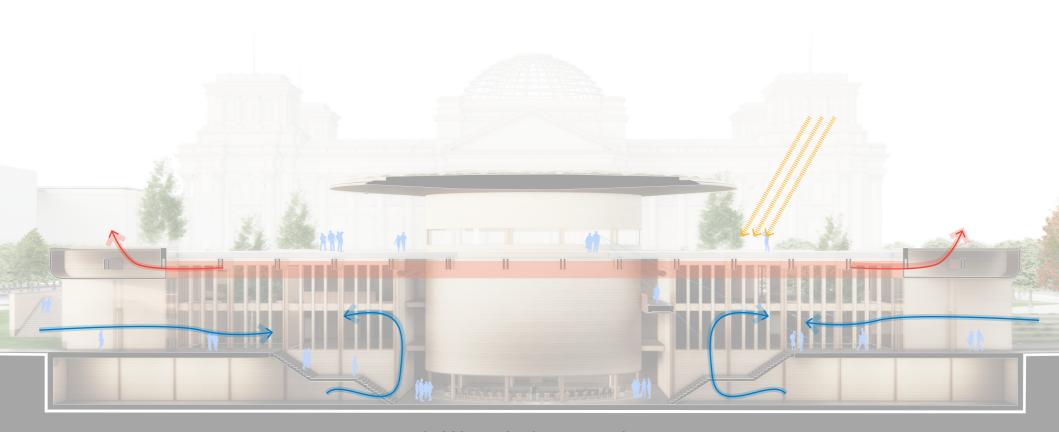
## **ENTRANCE HALL INTERACTION**



## **TECHNICAL SPACES**

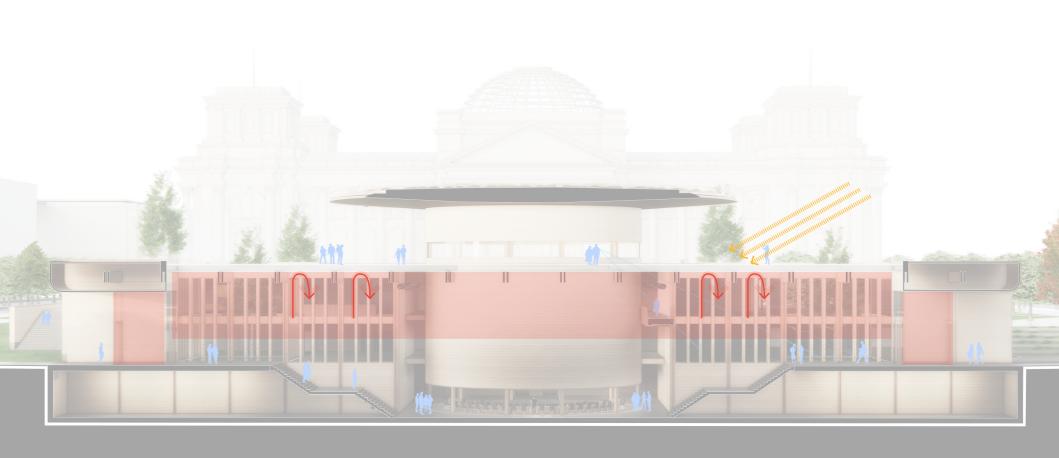


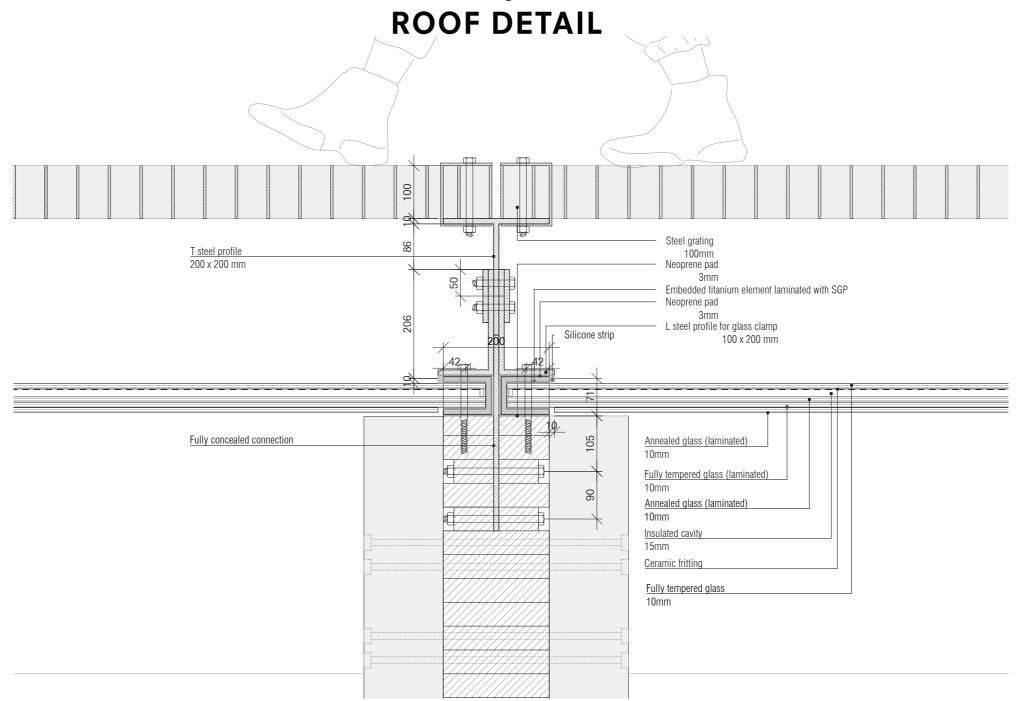
## **CLIMATE CONCEPT** SUMMER



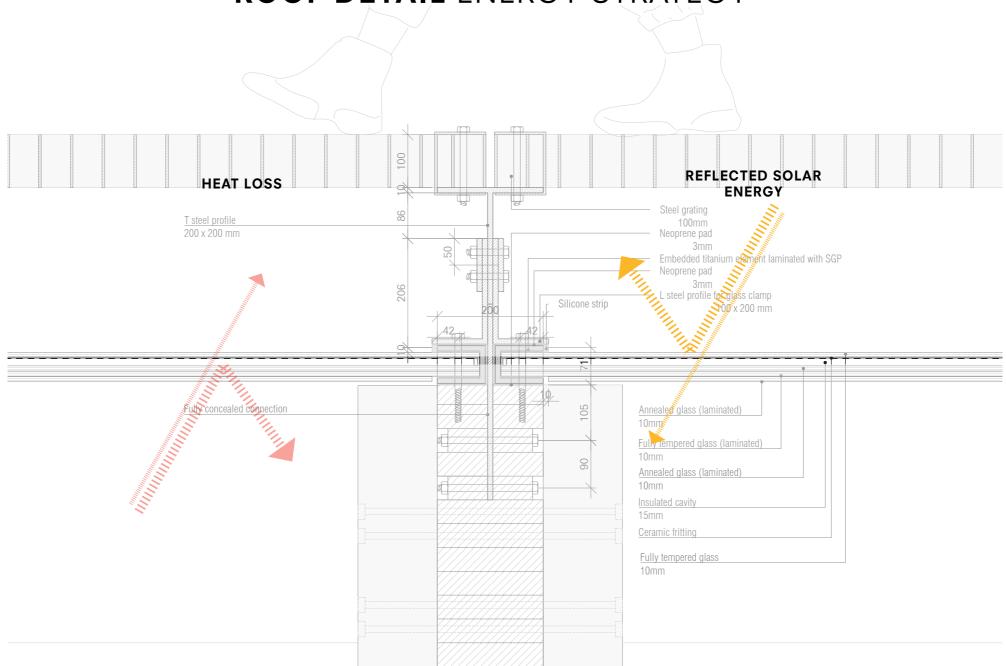
**CROSS AND STACK VENTILATION** 

## **CLIMATE CONCEPT** WINTER

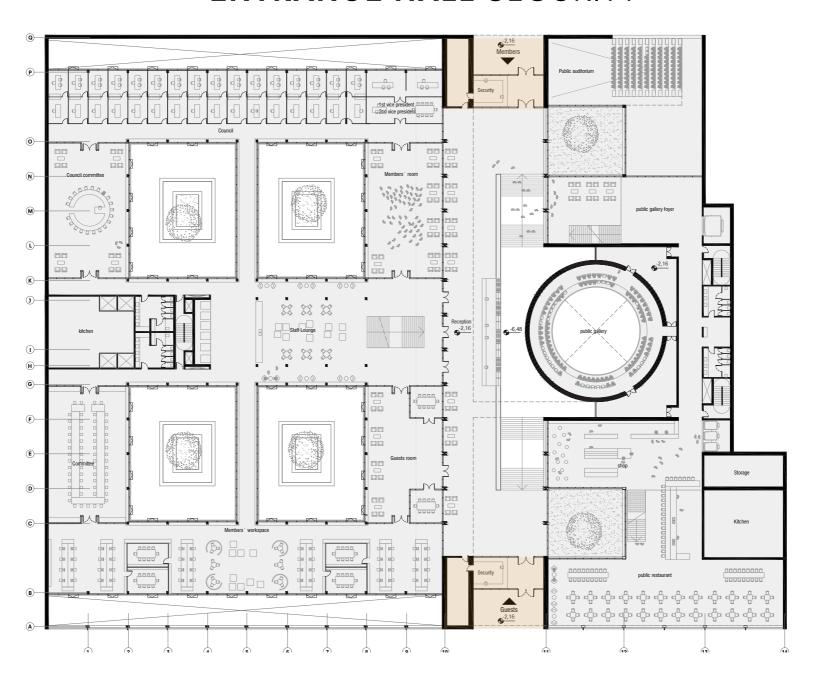


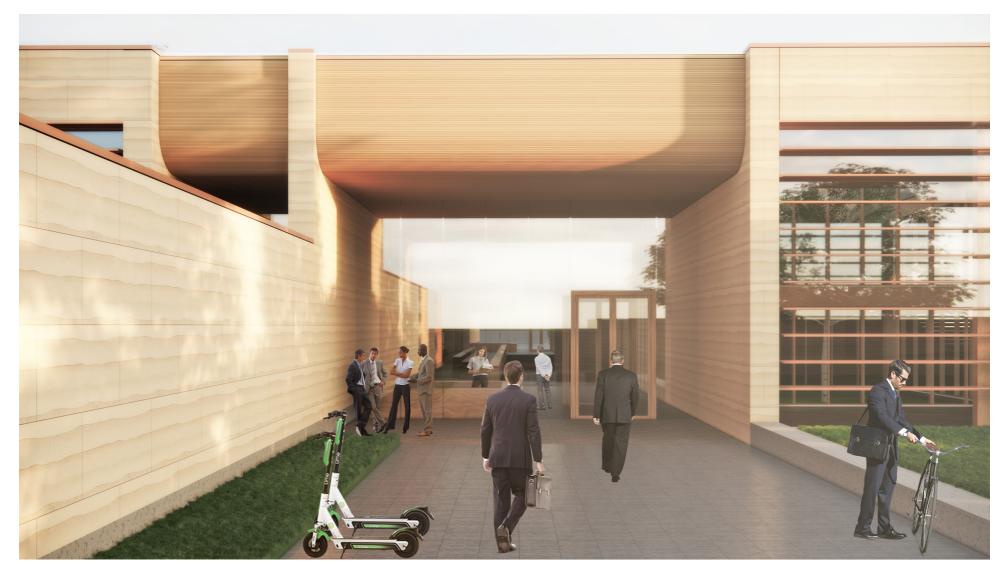


## ROOF DETAIL ENERGY STRATEGY



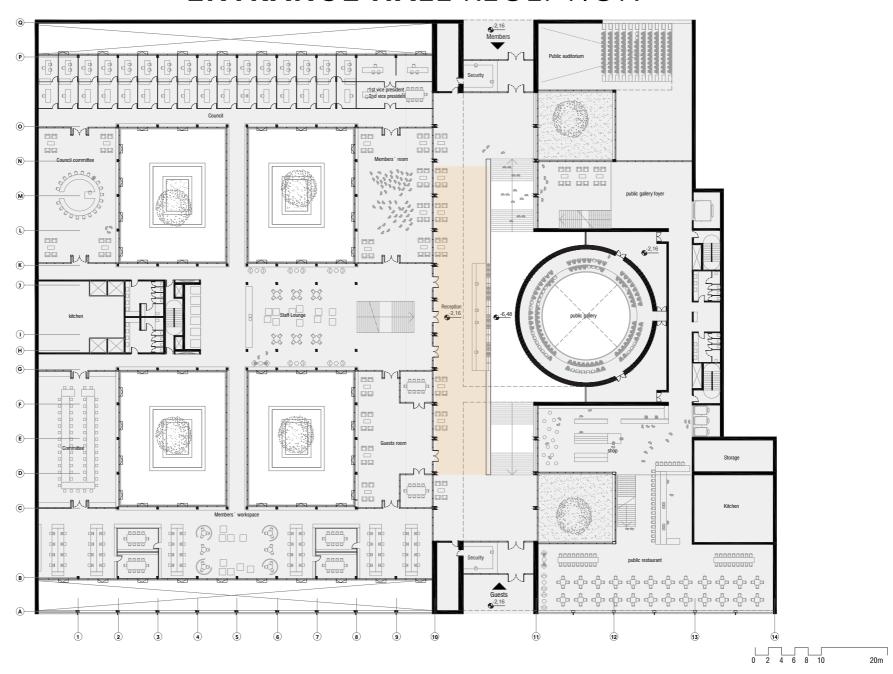
## **ENTRANCE HALL SECURITY**





Entrance south façade

## **ENTRANCE HALL RECEPTION**



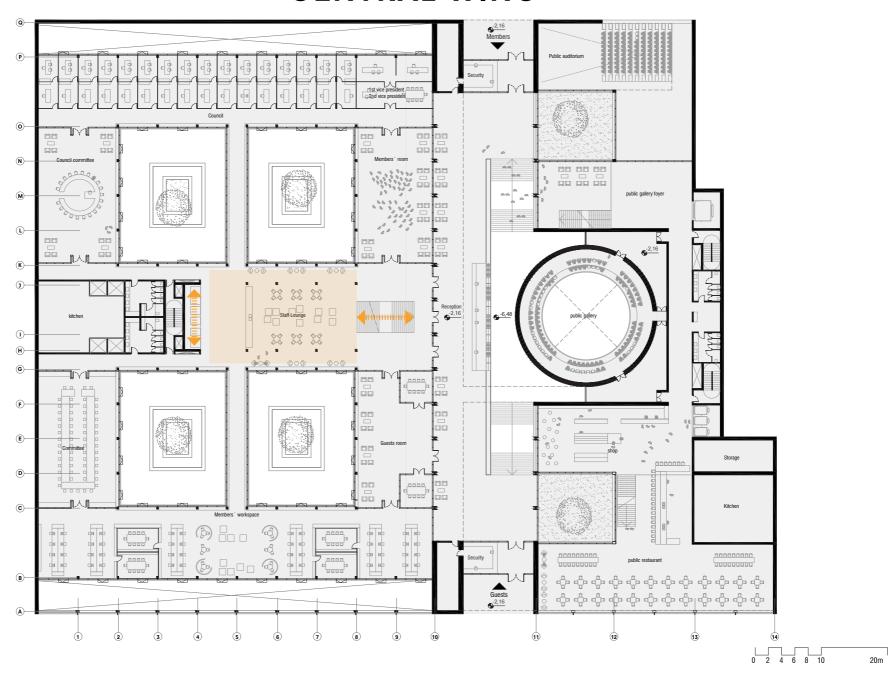


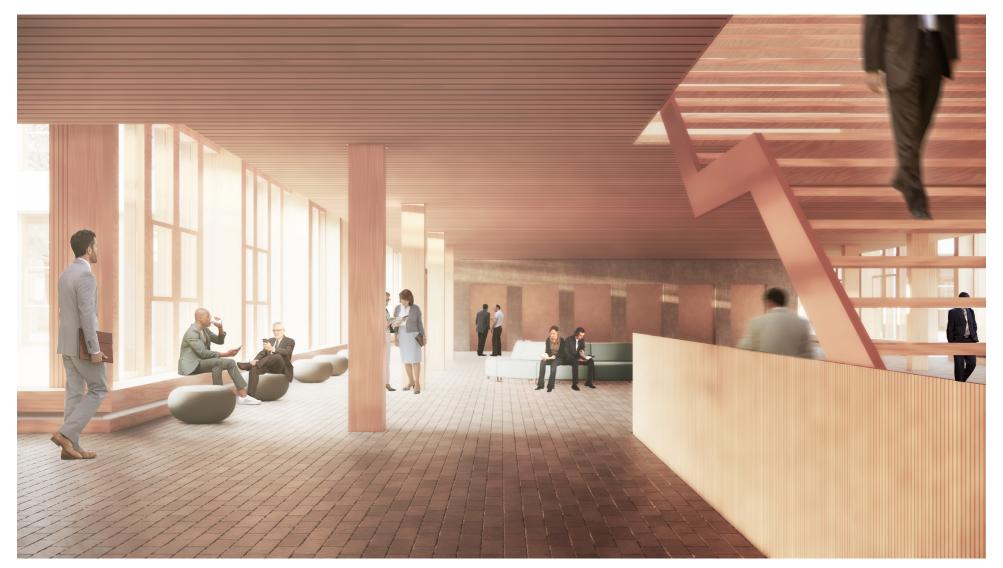
Entrance hall



Entrance hall - reception

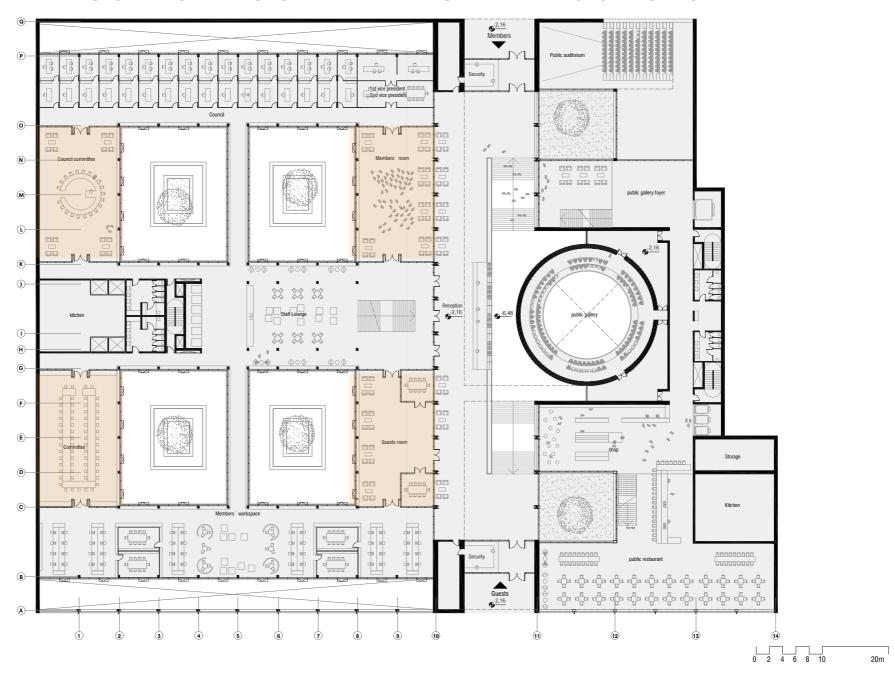
## **CENTRAL WING**



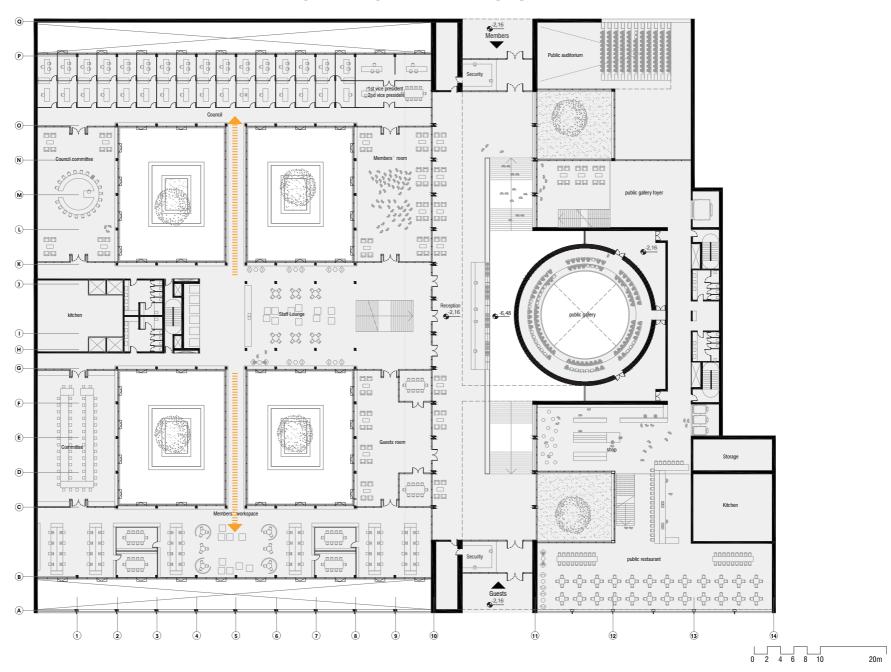


Central wing - staff lounge

## **SUPPORT** COMMITTEES AND LOUNGES



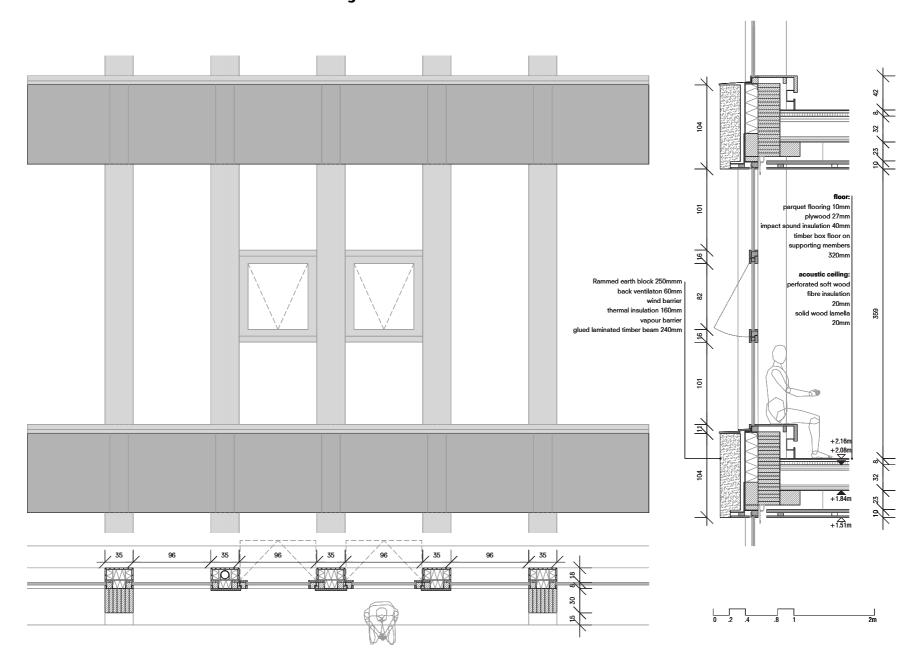
## **OFFICE WINGS**



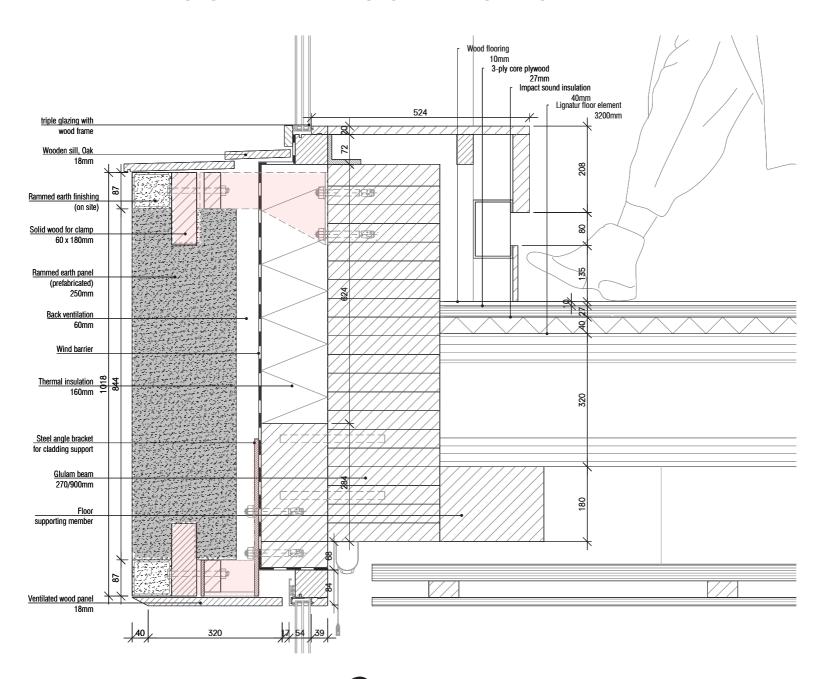


Courtyard

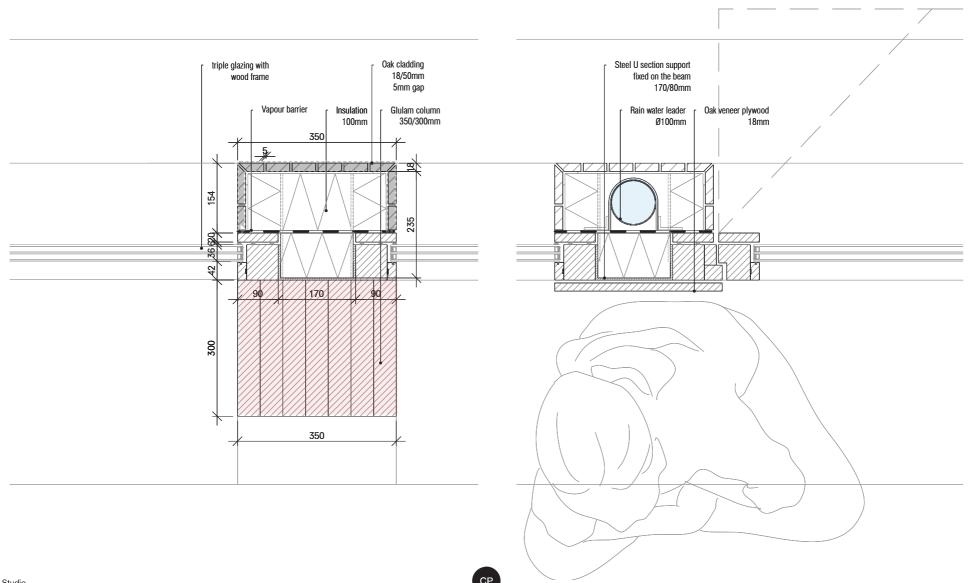
## **FAÇADE FRAGMENT**



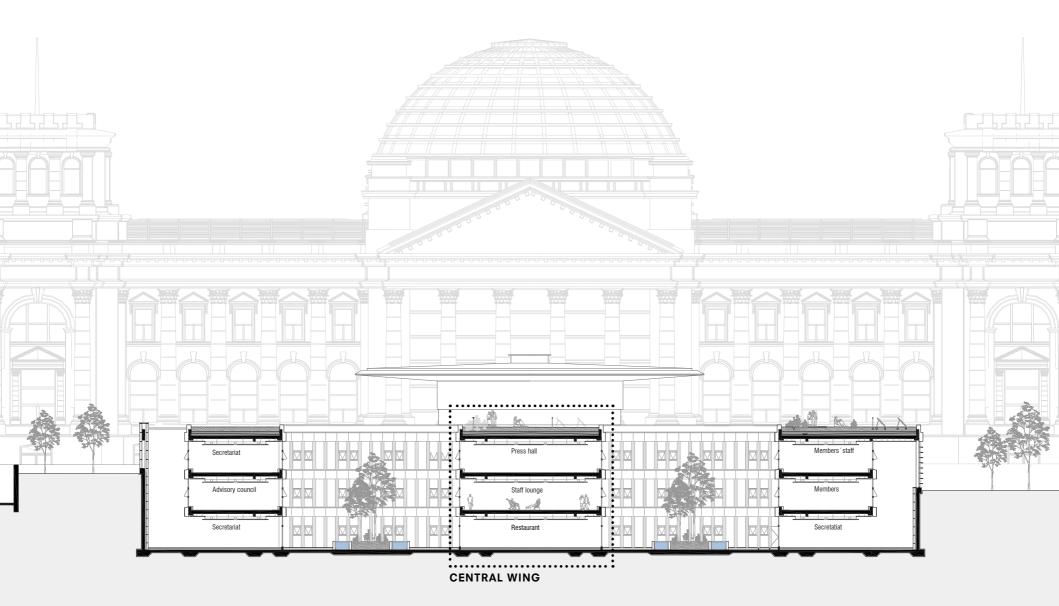
## **FLOOR-WALL CONNECTION**



## **HORIZONTAL SECTION WALL**

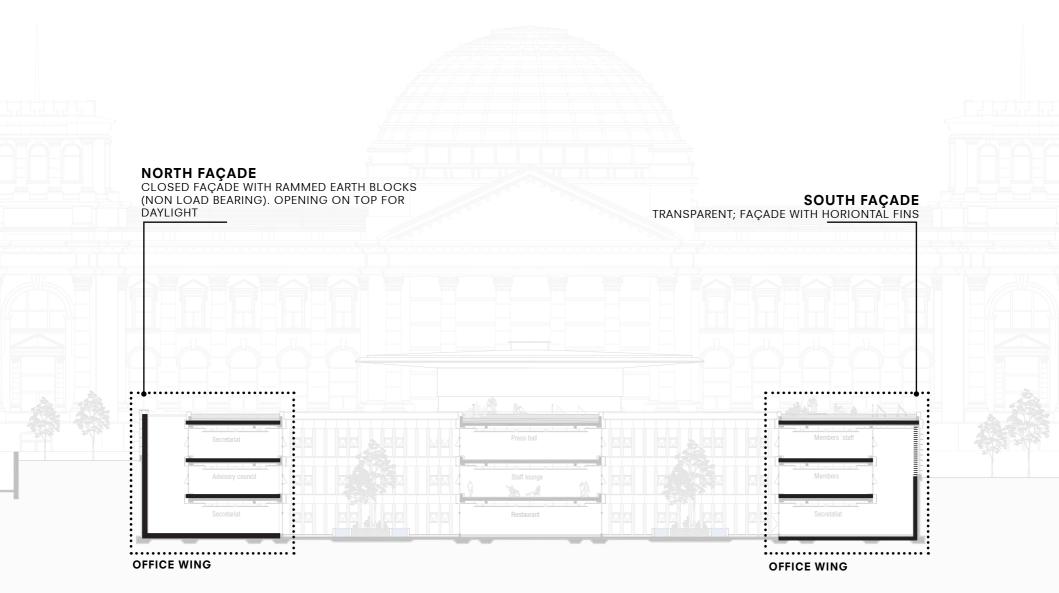


## **CROSS SECTION**



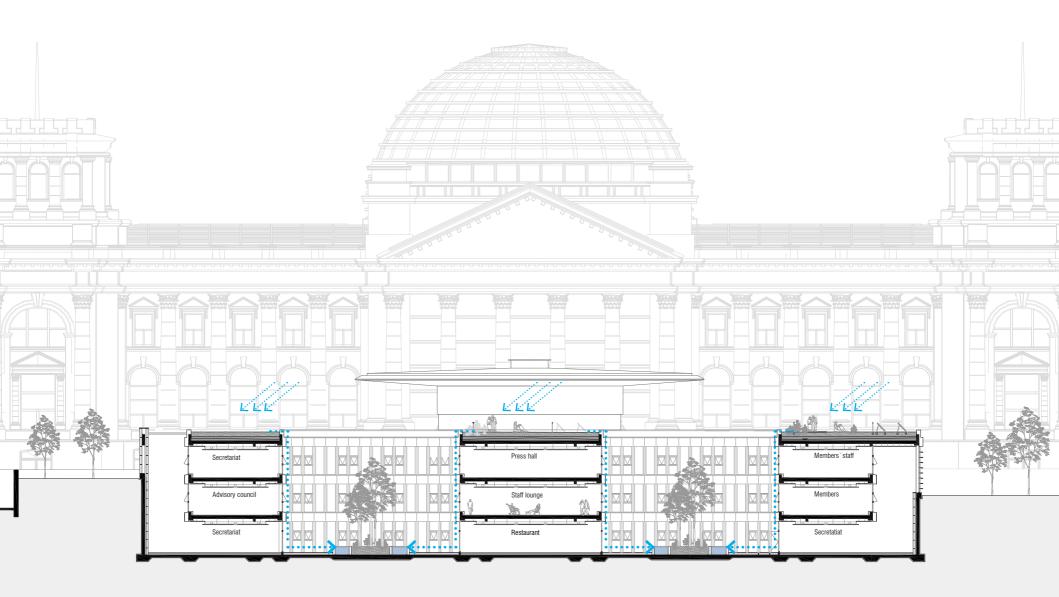
Cross section A 1:200

## **CROSS SECTION** RESPONSIVE FAÇADE



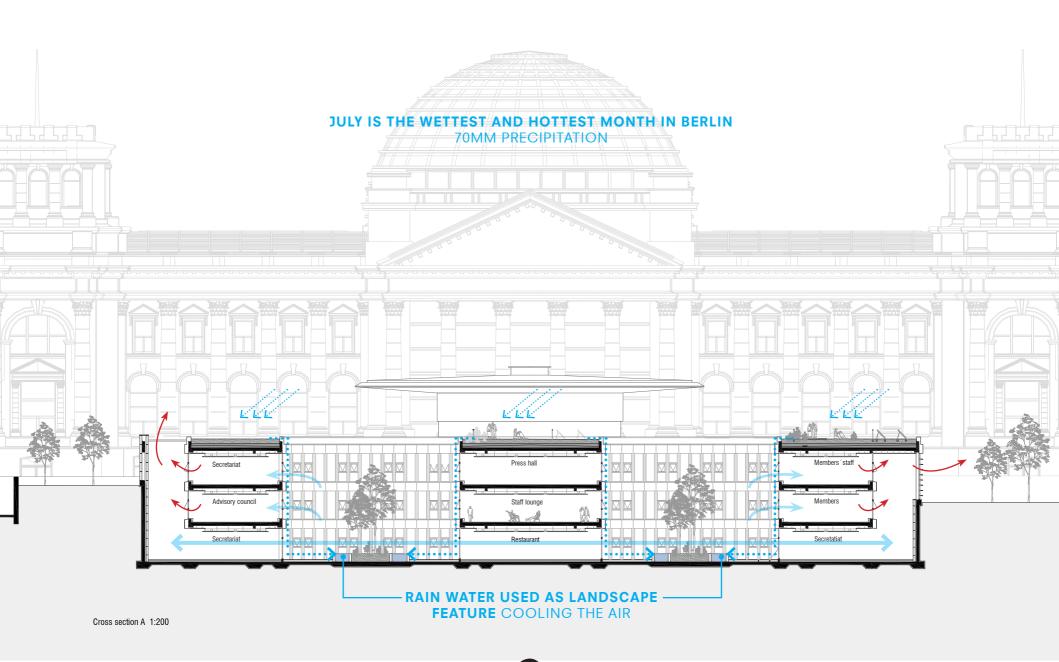
Cross section A 1:200

## CROSS SECTION RAIN WATER STORAGE

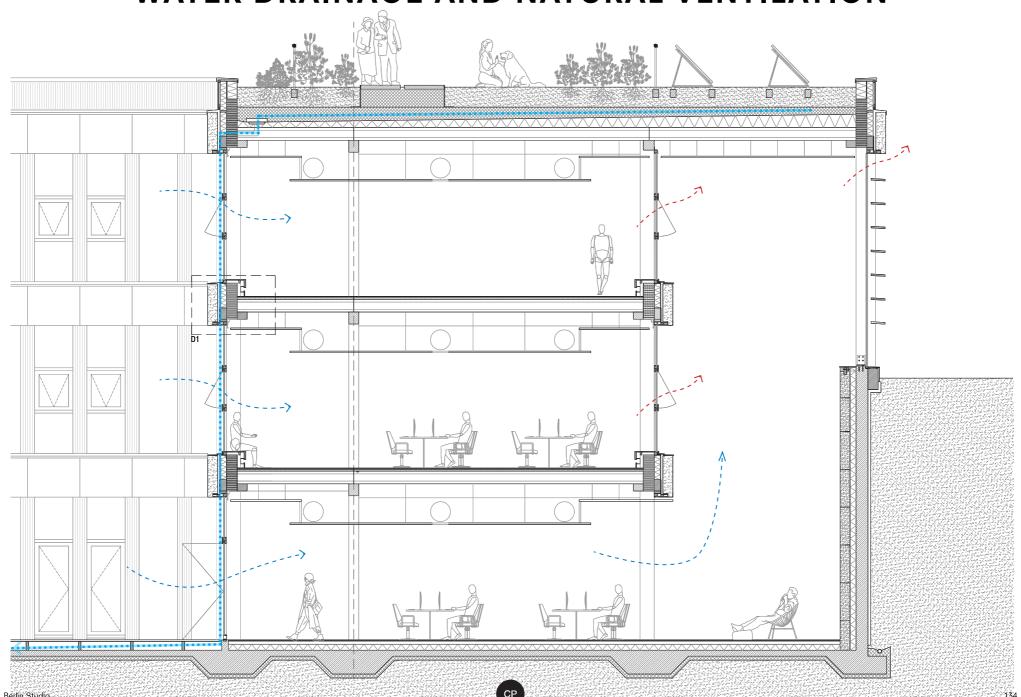


Cross section A 1:200

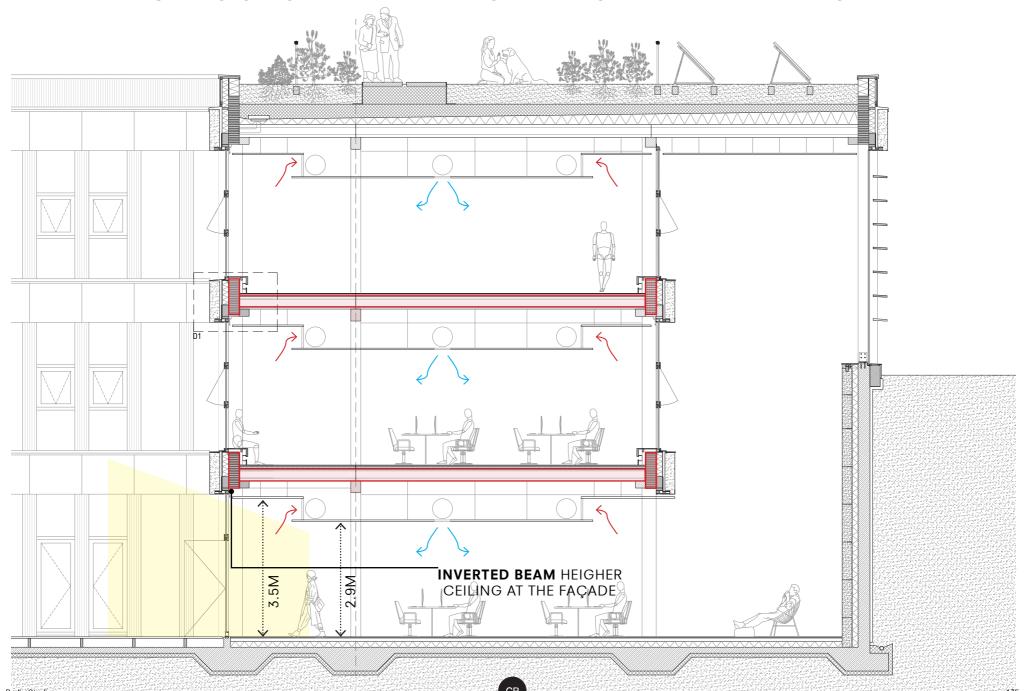
## **CROSS SECTION NATURAL VENTILATION**



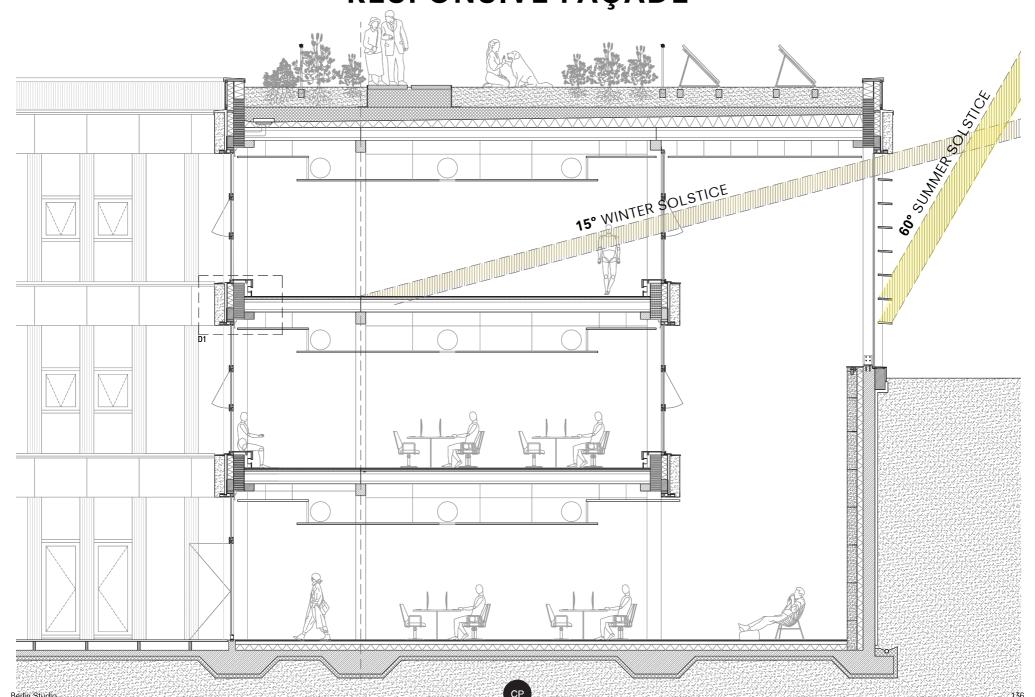
## WATER DRAINAGE AND NATURAL VENTILATION

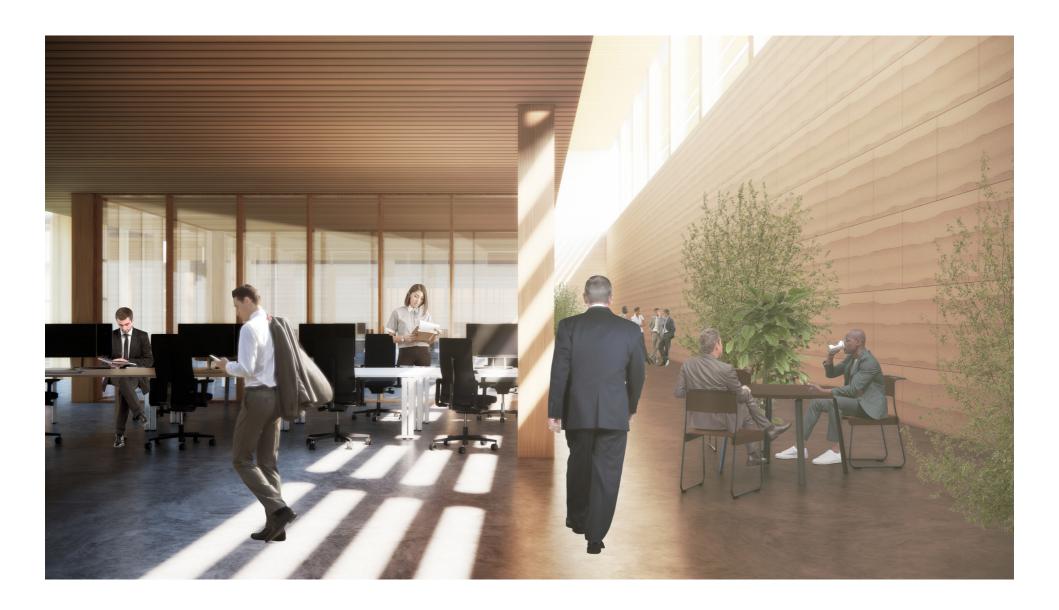


## STRUCTURE AND MECHANICAL VENTILATION

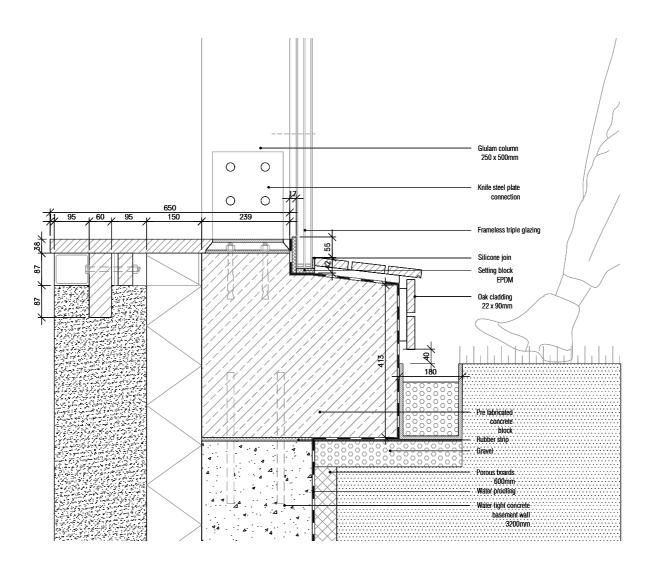


## **RESPONSIVE FAÇADE**

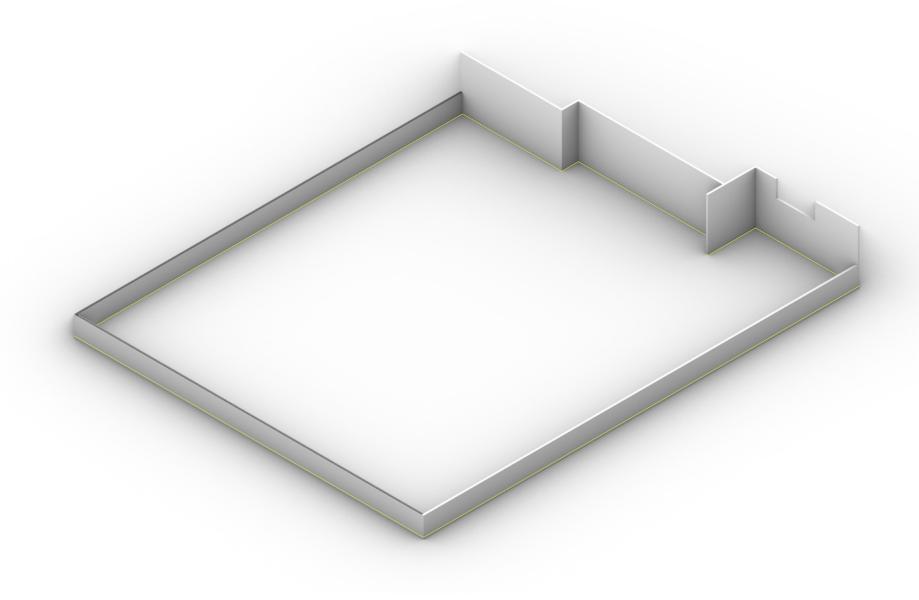




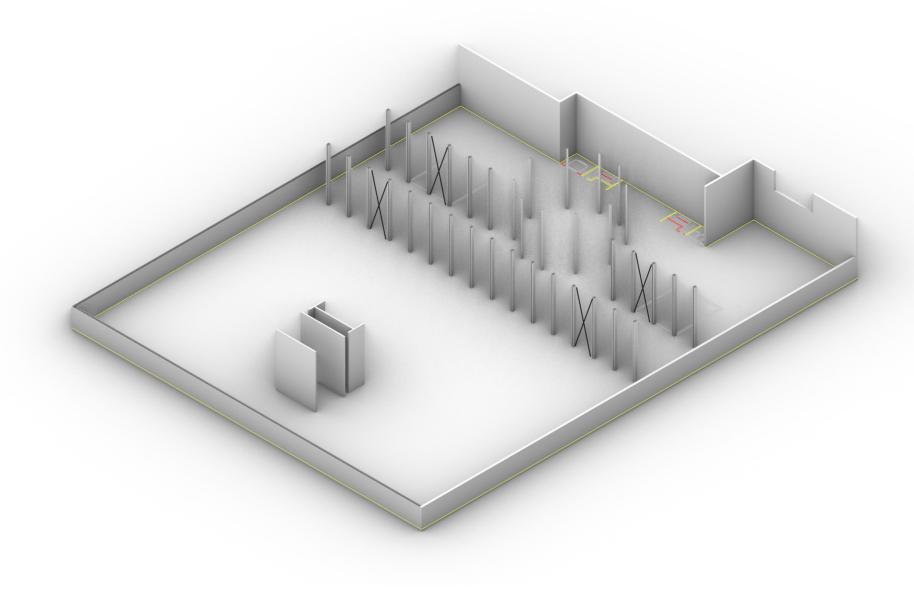
## PLINTH DETAIL SOUTH FAÇADE



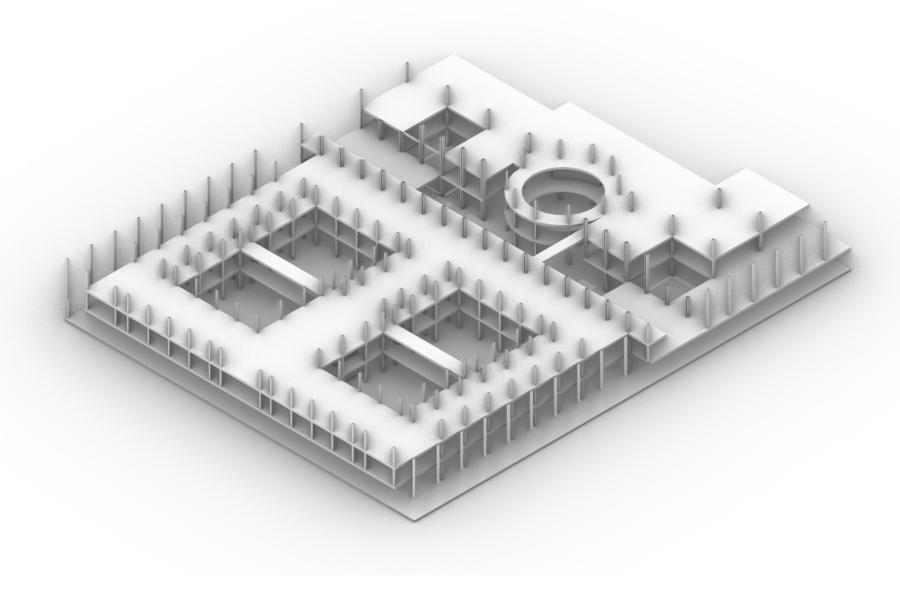
## **STRUCTURE** WATER TIGHT CONCRETE BASEMENT



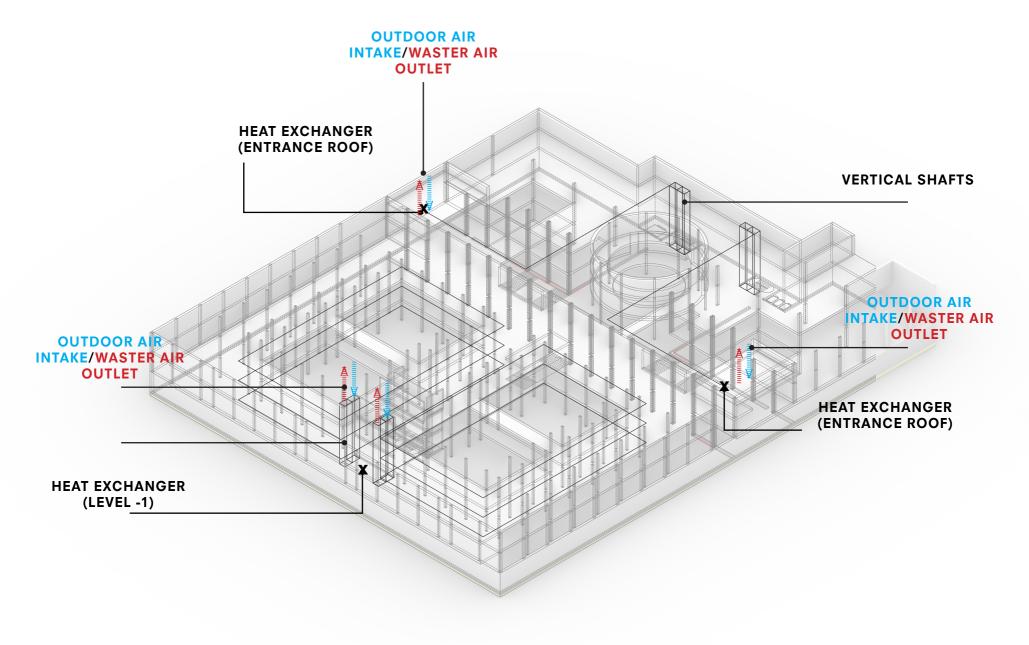
## design **STRUCTURE** LATERAL STABILITY



## STRUCTURE GLULAM COLUMN AND LIGNATUR SLABS



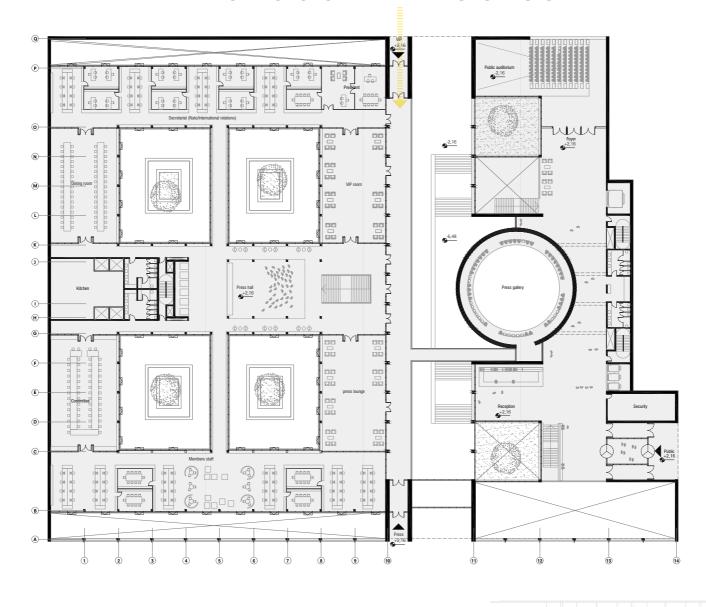
## **MECHANICAL VENTILATION**



# ACTIVITIES

## PROTOCOL

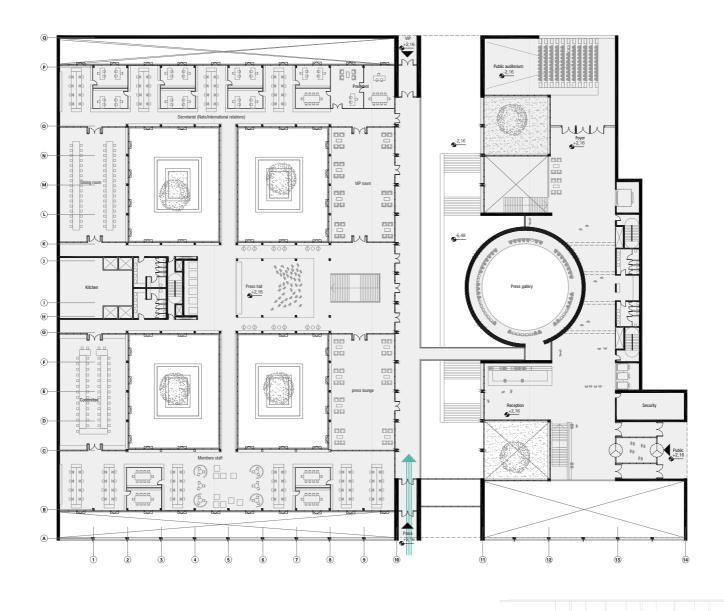
## PROTOCOL VIP ACCESS





North façade - VIP access

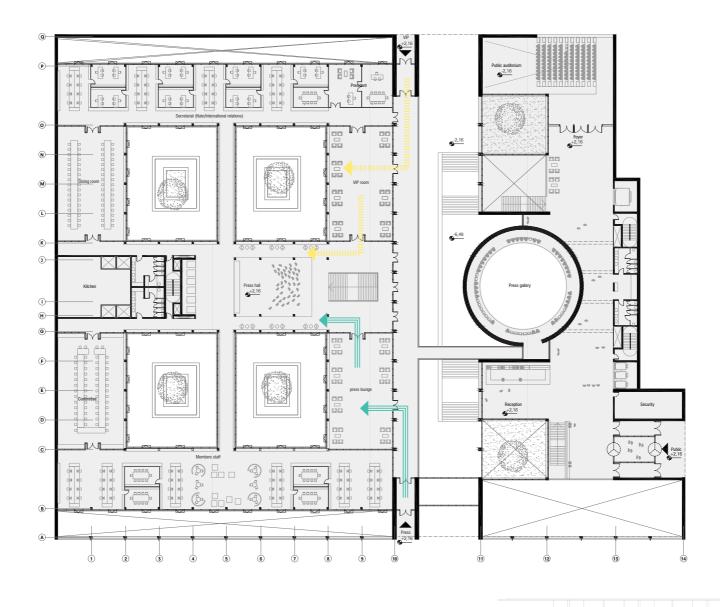
## PROTOCOL PRESS ACCESS





South façade - press access

## PROTOCOL LOUNGE AND PRESS HALL

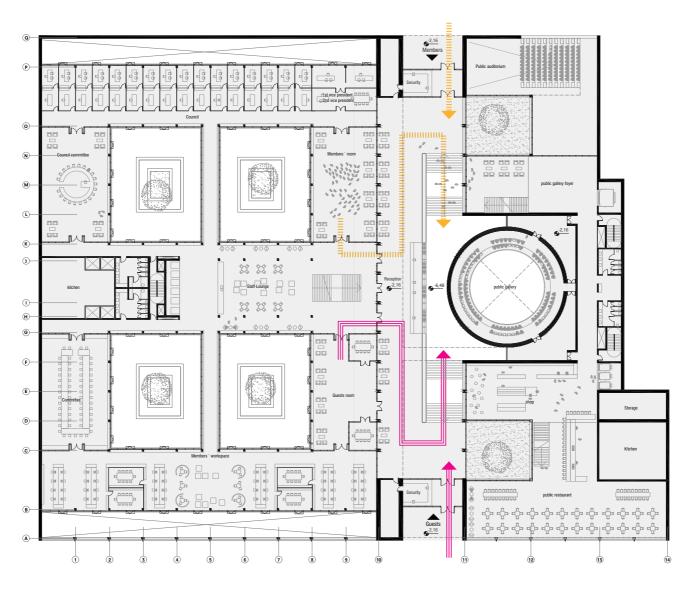




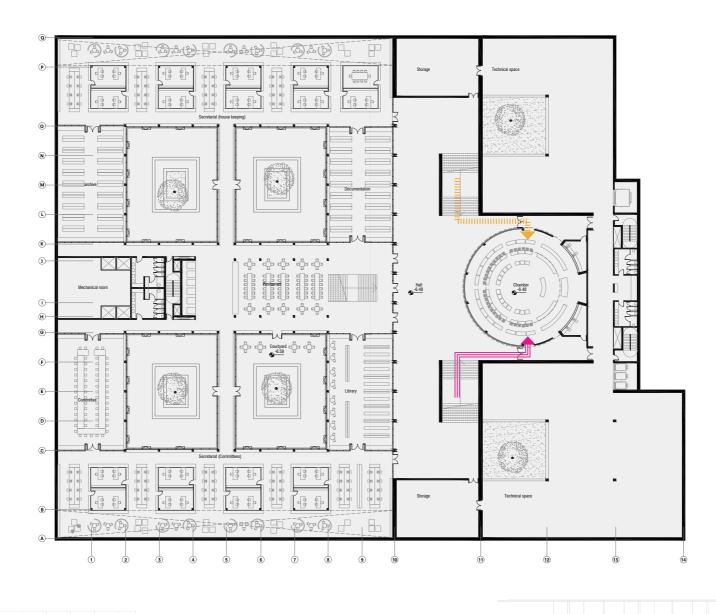
Central wing - press hall

## PLENARY SESSION

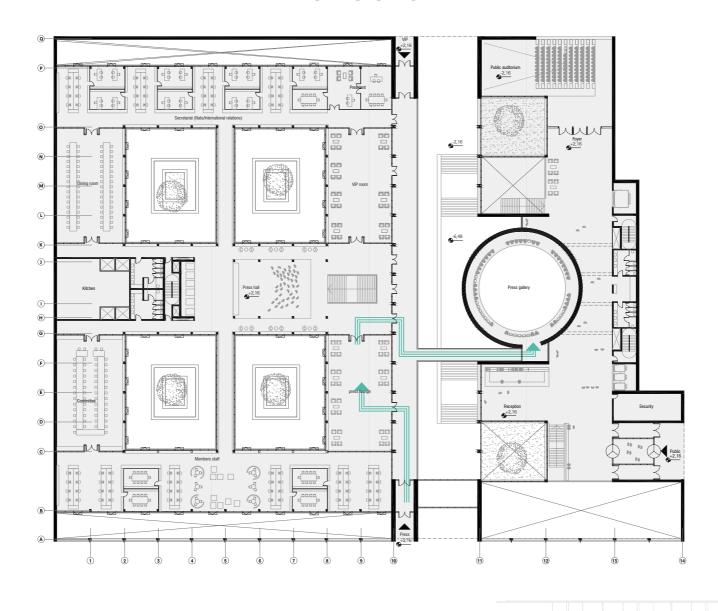
## PLENARY SESSION GROUND FLOOR



## **PLENARY SESSION** LEVEL -1



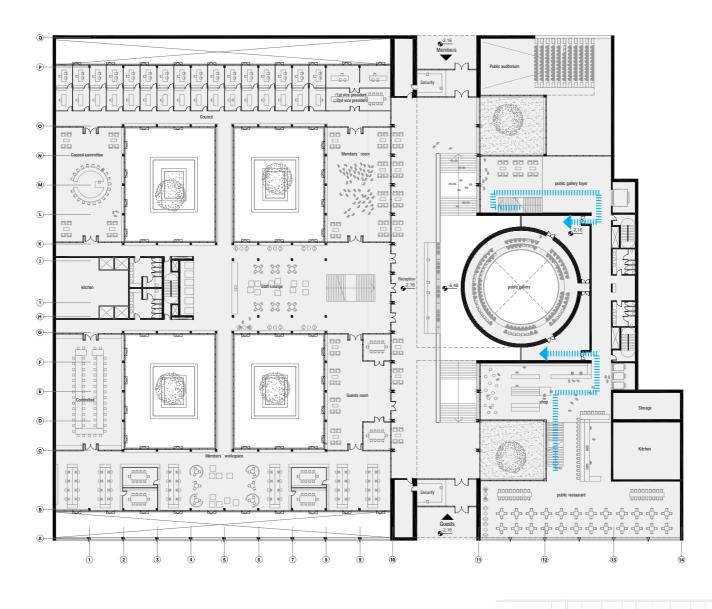
## **PLENARY SESSION** LEVEL +1

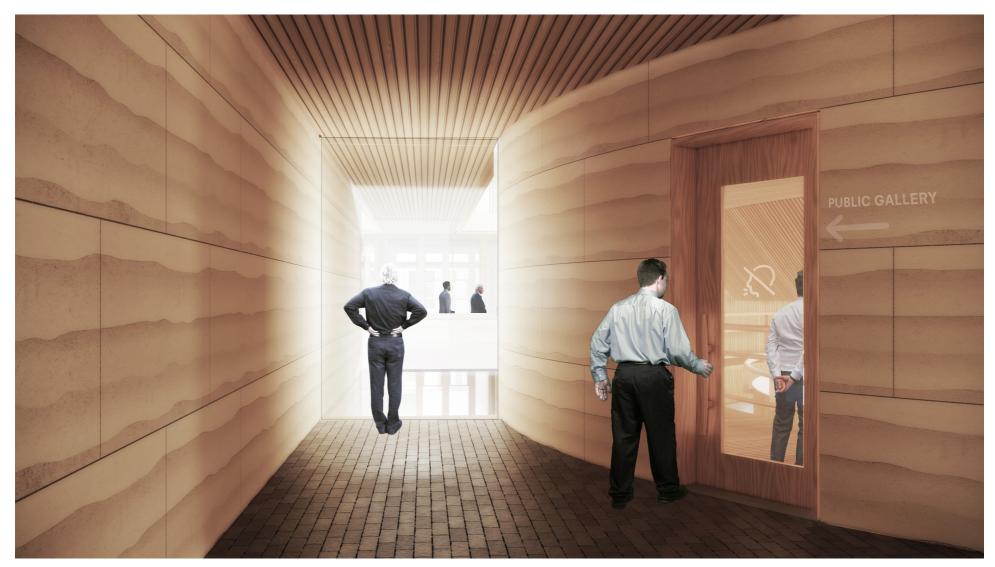




Entrance hall

## PLENARY SESSION PUBLIC

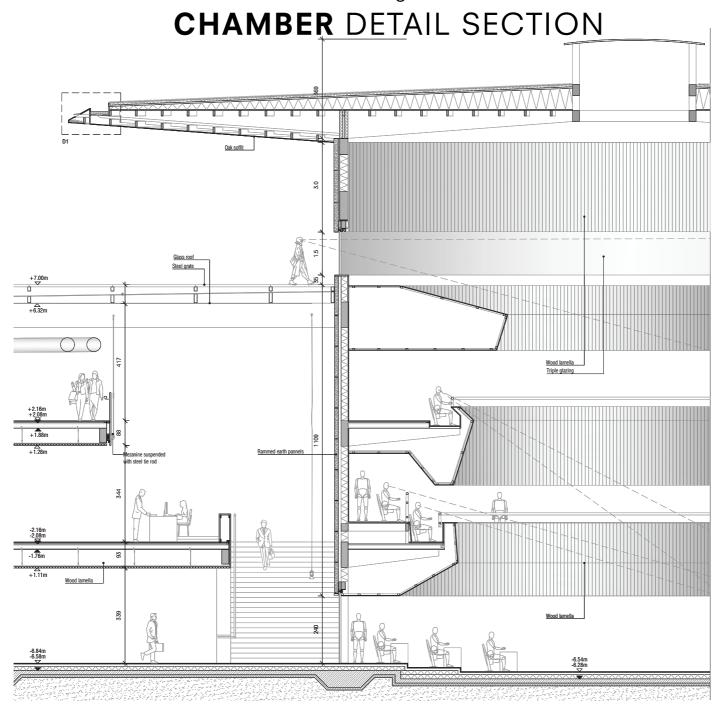




Access to public gallery

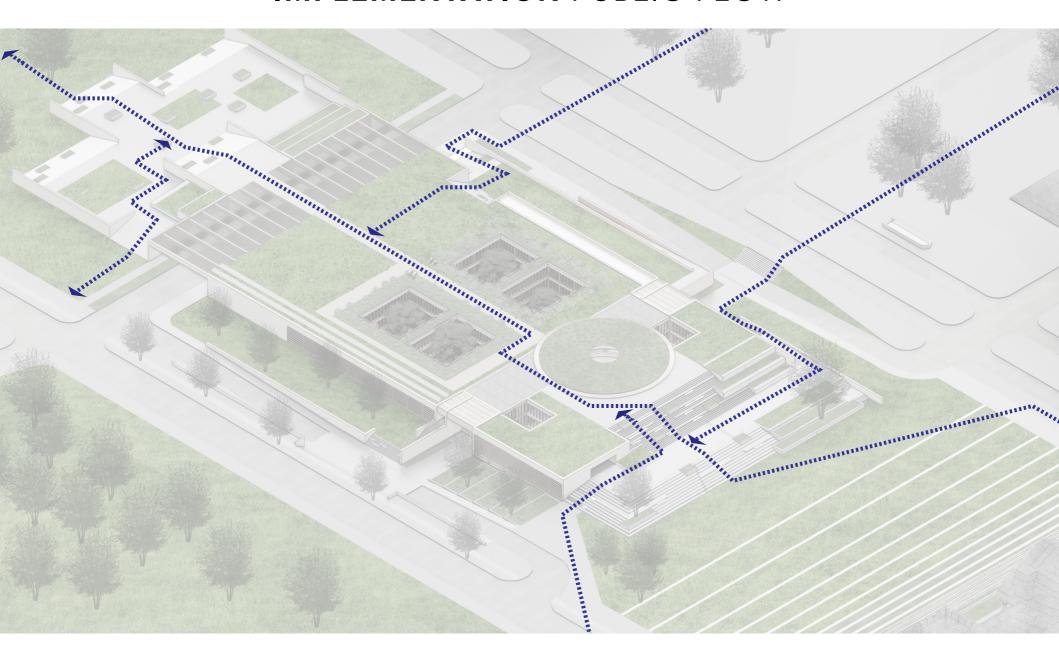


Debating chamber



## PUBLIC

## IMPLEMENTATION PUBLIC FLOW

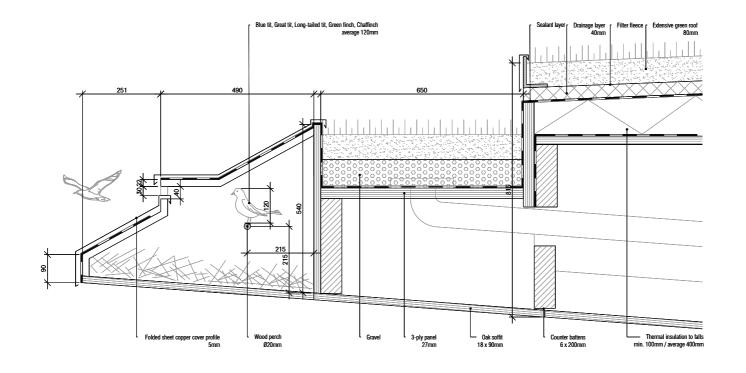




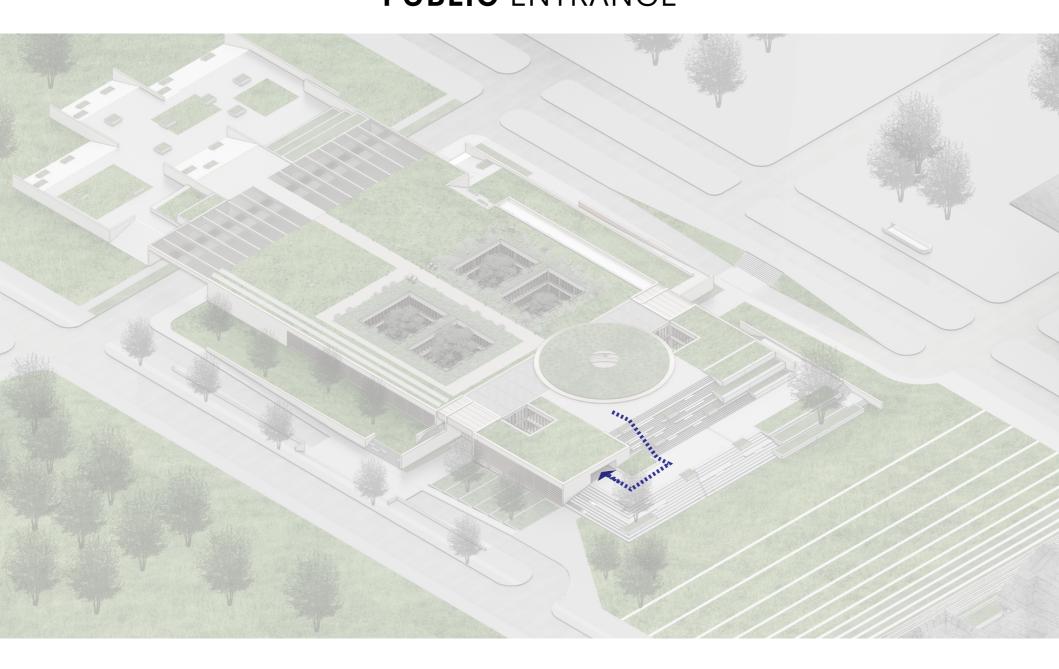
Roof top - towards the Reichstag

## implementation

## CHAMBER ROOF EDGE



## design **PUBLIC** ENTRANCE



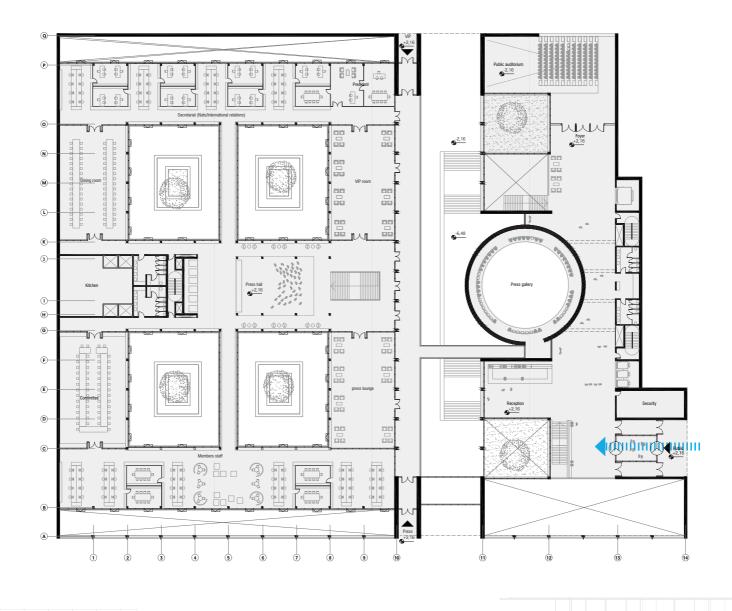


Urban staircase facing the Reichstag



View from Reichstag - Public entrance

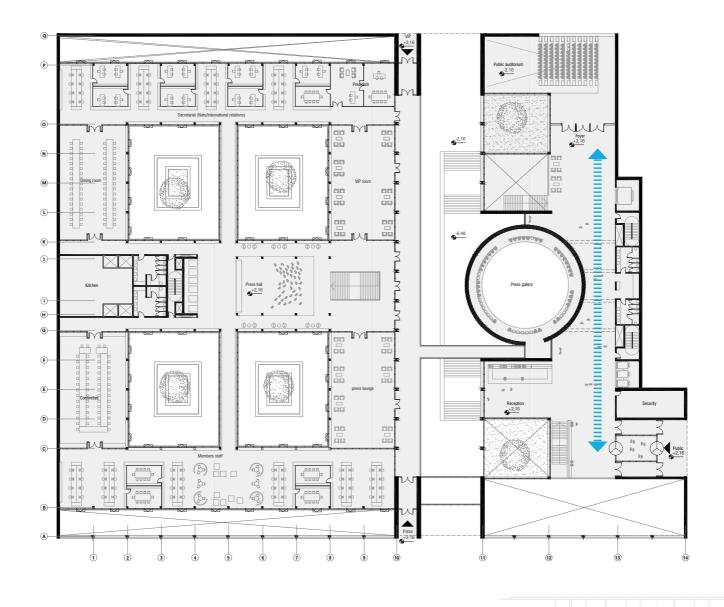
## **PUBLIC** ENTRANCE





Public entrance

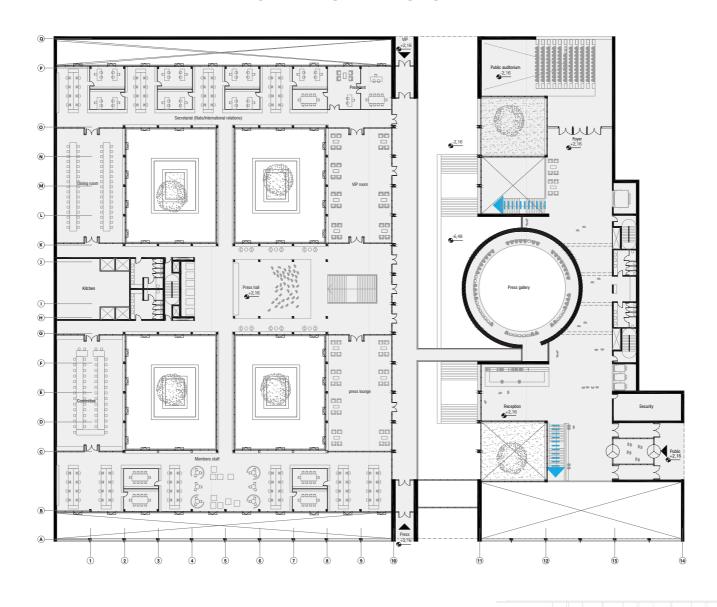
## **PUBLIC** SPACES



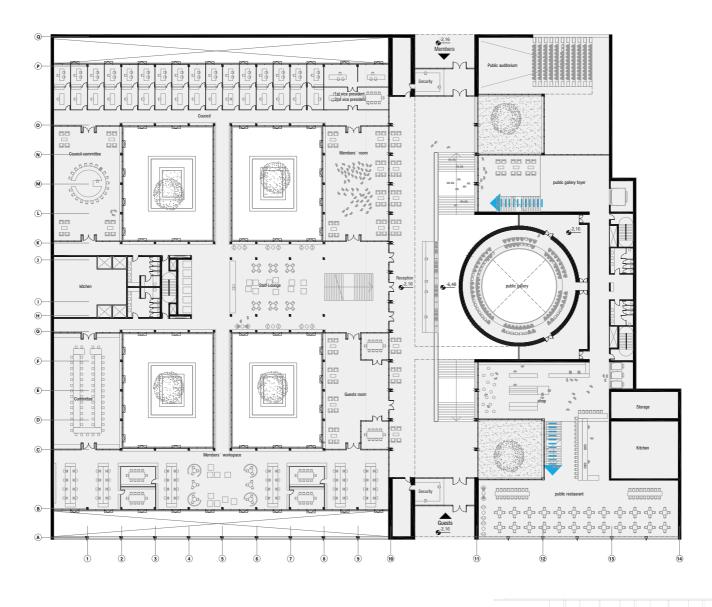


Public auditorium

## **PUBLIC PROGRAM**



## PUBLIC PROGRAM GROUND FLOOR





Public area - view to the entrance hall

# REFLECTION...

How does **sustainability** affect the architecture of **power**?







# thank you