

BERLIN



BERLIN GERMANY'S CULINARY CAPITAL

Berlin is Germany's culinary capital

- . Berlin shines in the "50 Best" ranking with two restaurants and the title of the best patissier in the world
- . Exciting new openings enrich the gourmet metropolis
- . With the Berlin Food Week and eat!Berlin Berlin starts into the culinary autumn

Berlin, September 28, 2022 Berlin's gastro scene scored twice in the past week, cementing the metropolis' reputation as Germany's culinary capital. Two placements in the internationally renowned ranking of "The World's 50 Best Restaurants" and the title of the best patissier in the world go to Berlin. The many good news from the gastro scene also make the city even more attractive as a travel destination. A meal at a restaurant ranks second among the most popular activities during a stay in the capital, behind sightseeing. The city's gastronomic offerings are among the top 10 reasons German vacationers choose to visit Berlin*. The city's many food events are also a weighty reason to travel to Berlin, most notably Berlin Food Week (berlinfoodweek.de) from October 10-16 and eat!berlin (eat-berlin.de) from October 27-November 6, 2022.



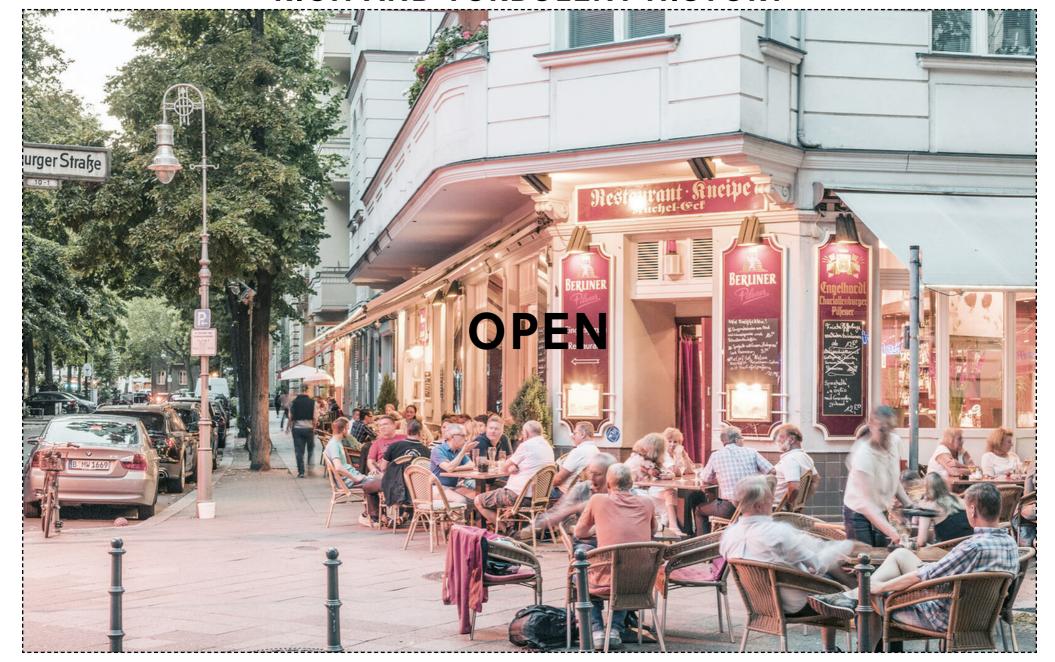
TRADITIONAL FOOD WITH INTERNATIONAL INFLUENCE



CURRYWURST



RICH AND TURBULENT HISTORY



RICH AND TURBULENT HISTORY



HISTORY SHAPED THE FOOD SCENE

Internationalised

Modest food

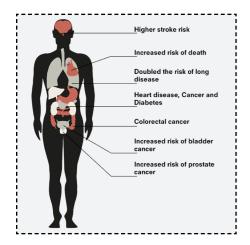


IMPORTANT TO THINK WHAT YOU EAT



IMPORTANCE OF GOOD FOOD

Health



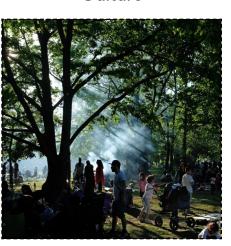
Sustainability



Economy

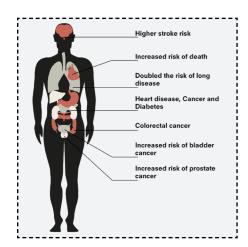


Culture



IMPORTANCE OF GOOD FOOD

Health



Processed food and red meat can cause **severe**health issues

Sustainability



Food production is responsible for **26%** of all **greenhouse gas emissions**

Economy



83 million consumers make Berlin the largest food and beverage market of the EU

Culture



The social value of food

FOOD CULTURE IS CHANGING



FOOD CULTURE IS CHANGING



UNLOCKING THE POTENTIAL OF FOOD



BY EDUCATION



AND RAISING AWARENESS



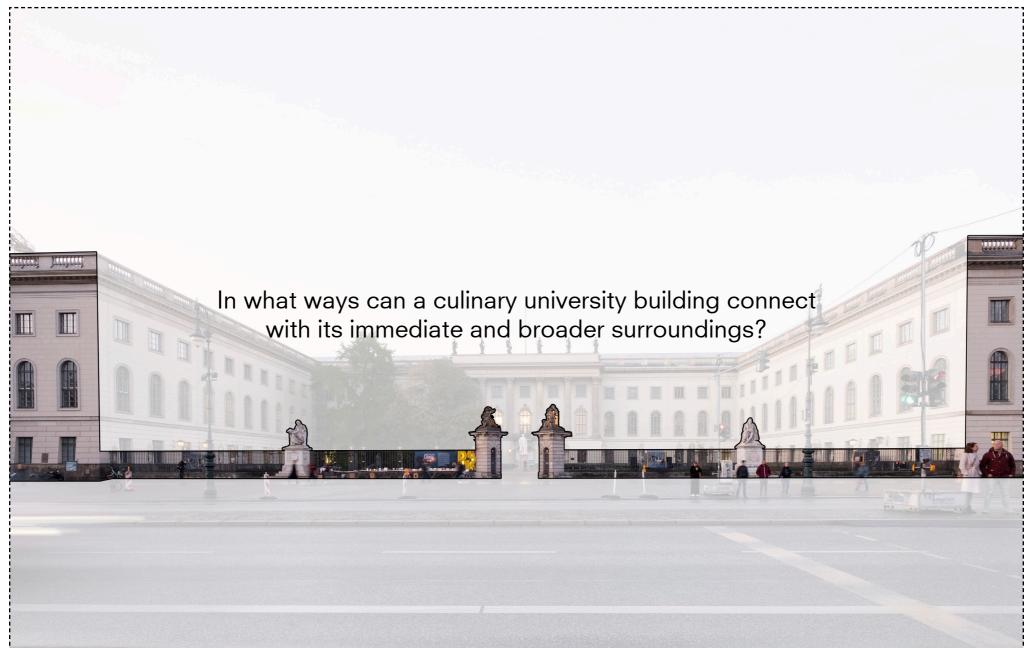
ALTHOUGH MOST UNIVERSITIES ARE PUBLIC



DISCONNECTED



RESEARCH QUESTION



PROJECT AMBITION

Education Awareness



RESEARCH

BODIES & BUILDINGS BERLIN

Bodies

7.280

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

1.180

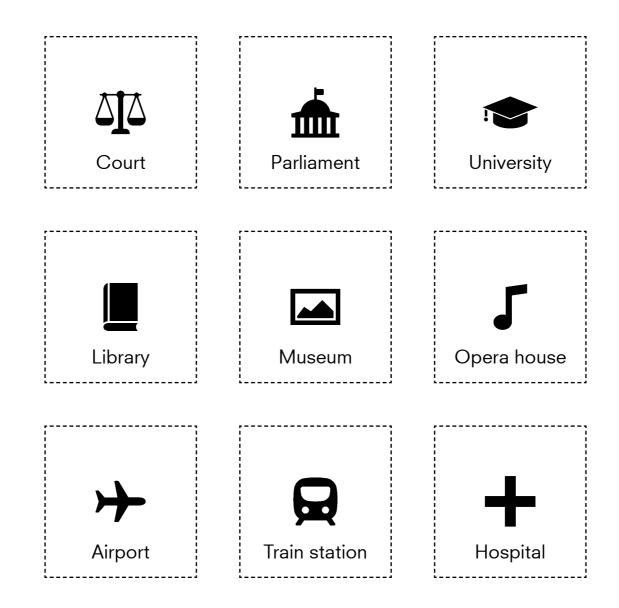
1.180

1

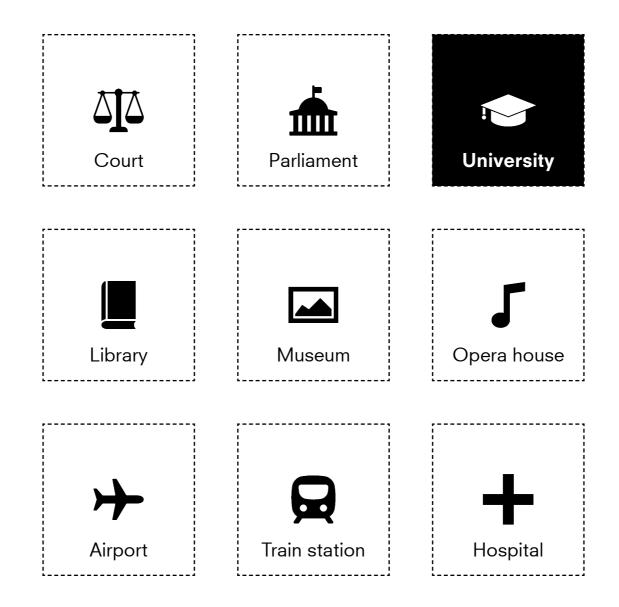




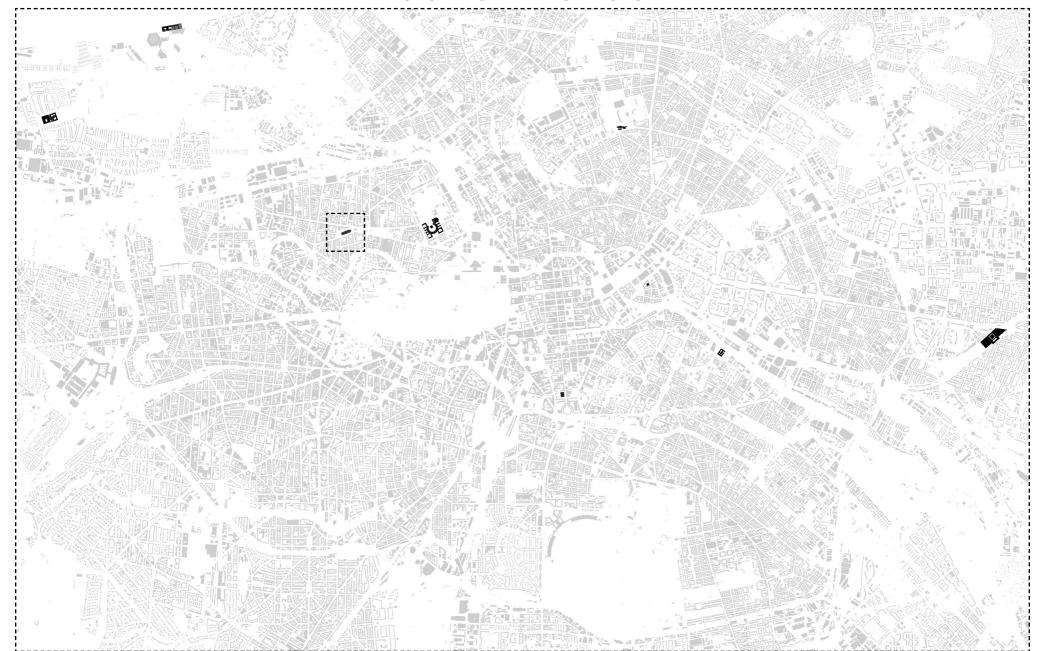
Research STUDIO TOPIC



Research STUDIO TOPIC



ECONOMY GROUP



Research **ECONOMY GROUP**



Sustainable development

As the economy group we want to achieve sustainable economic development and expansion, while preserving the character and integrity of Berlin's urban landscape.

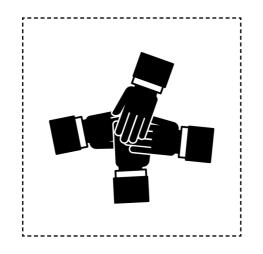
Research **ECONOMY GROUP**



Sustainable development

what does this mean for an university building?

UNIVERSITY AS SOCIAL CATALYST





COLLABORATE & RAISE AWARENESS

UNIVERSITY WITHIN THE CITY

Academic refuge



Bad connection with urban fabric

The city as campus



Good connection with urban fabric

UNIVERSITY WITHIN THE CITY

Academic refuge



Bad connection with urban fabric

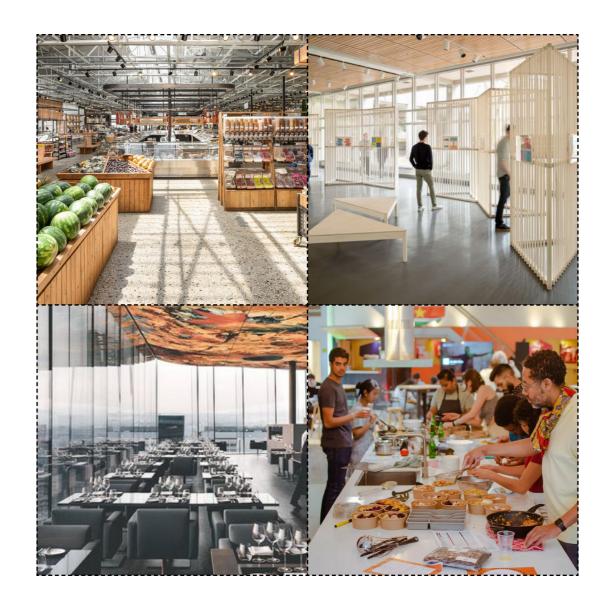
The city as campus



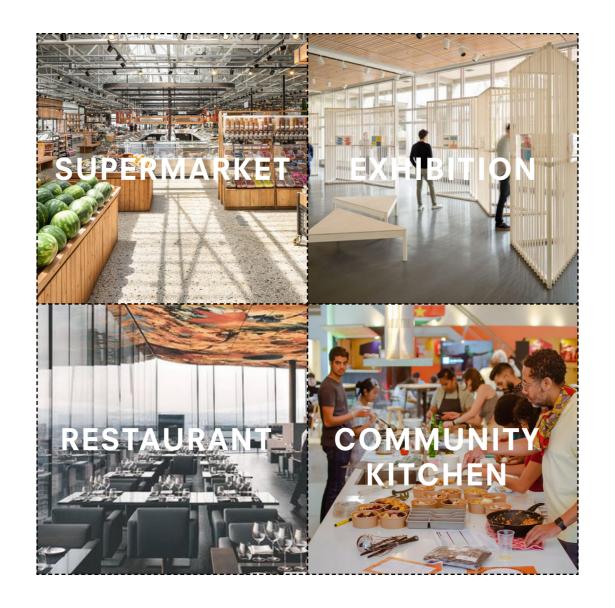
Good connection with urban fabric

Promote education and public awareness

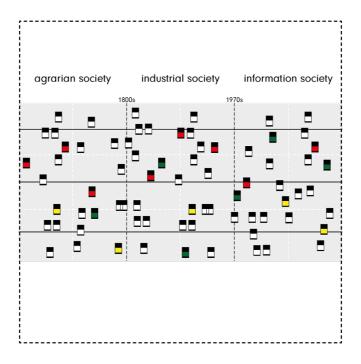
PUBLIC PROGRAM



PUBLIC PROGRAM



UNIVERSITY DEVELOPMENT THROUGH TIME



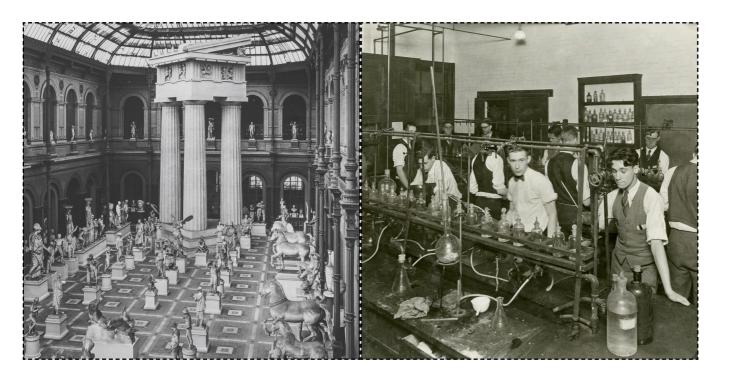
Area through time

33 - 162

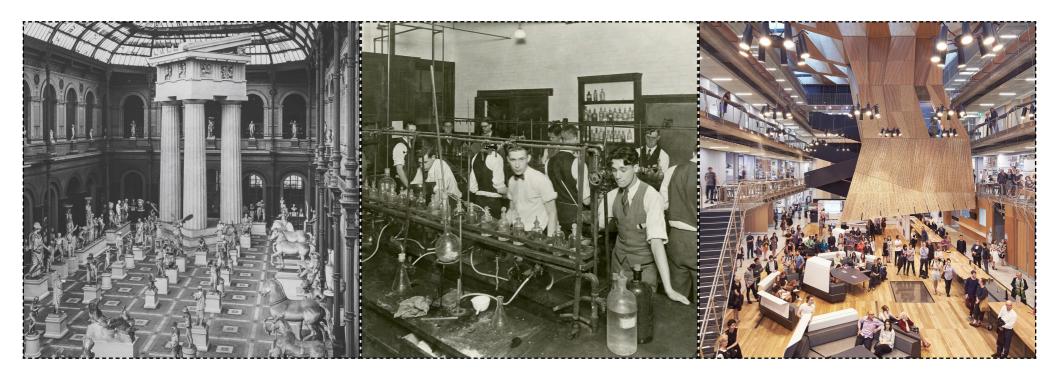
AGRARIAN SOCIETY: GENERAL



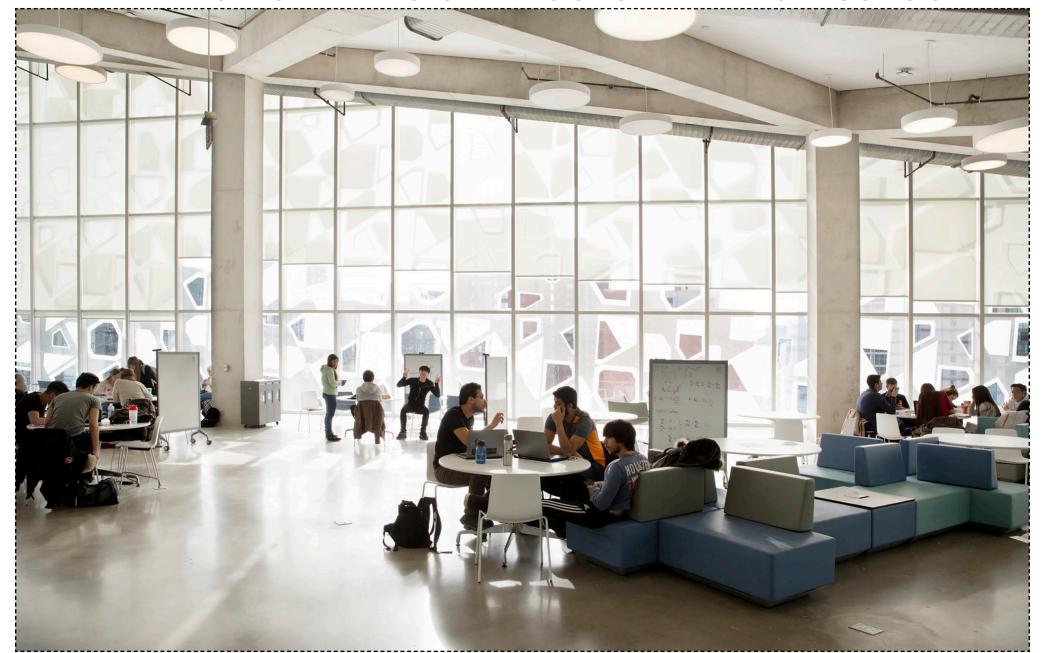
INDUSTRIAL SOCIETY: SPECIFIC



INFORMATION SOCIETY: SPECIALISED + IN-BETWEEN



LEARNING ACTIVITIES GREW OUTSIDE THE CLASSROOM



CORRIDOR AS WORKING SPACE



CORRIDOR AS WORKING SPACE



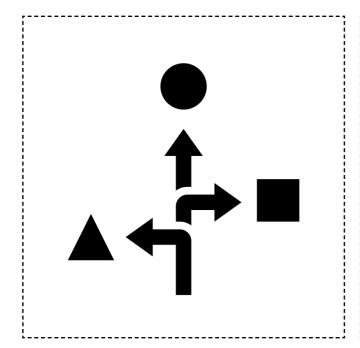
IN-BETWEEN SPACE



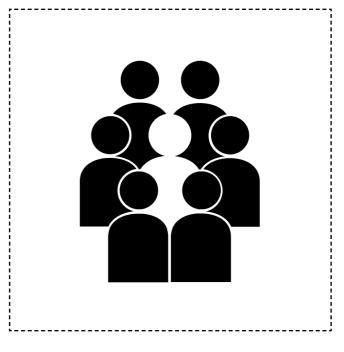
The desire of coexistence.

Provides the key to the transition and connection between areas with divergent territorial claims

SPATIAL REQUIREMENTS







FLEXIBLILITY

VISUAL CONNECTION

ACCOMODATE INDIVIDUALS & SMALL GROUPS

LEARNING LANDSCAPE

IN-BETWEEN SPACE



PUBLIC FUNCTIONS



=

LEARNING LANDSCAPE



Research RESEARCH QUESTION

In what ways can a culinary university building connect with its immediate and broader surroundings?

CLIENT

MAIN STAKEHOLDERS



Berlin University of the Arts (UdK)

Founded in 1696, with approximately 4.000 students, it is a public art and design school and one of the largest and most diversified universities of the arts in the world.

Research MAIN STAKEHOLDERS





German Federal Government and Berlin State

Public universities are funded by the government 75% and 25% by the state.

WHY?





German national nutrition strategy and Sustainable development goals

Has the main goal to improve population's health while reducing climate impact whilst improving education and partnerships for the goals

MAIN STAKEHOLDERS

initiators and funding

Berlin Studio







UdK

Federal Government

State Government

CLIENT/USERS PROFILE

initiators and funding







program



Applied



Theoretical



public program

49 - 162

CLIENT/USERS PROFILE

initiators and funding







program







clients







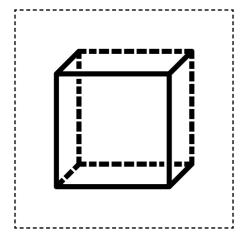
Teachers



Berliners

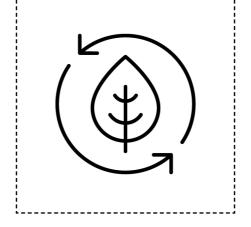
CLIENT AMBITION

Transparency



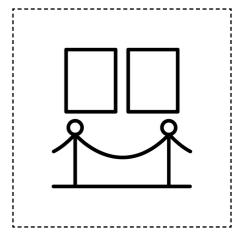
- Promote accountability
 - Informs
- Create trust

Sustainable



- Be an example
 - Future proof
- Climate goals

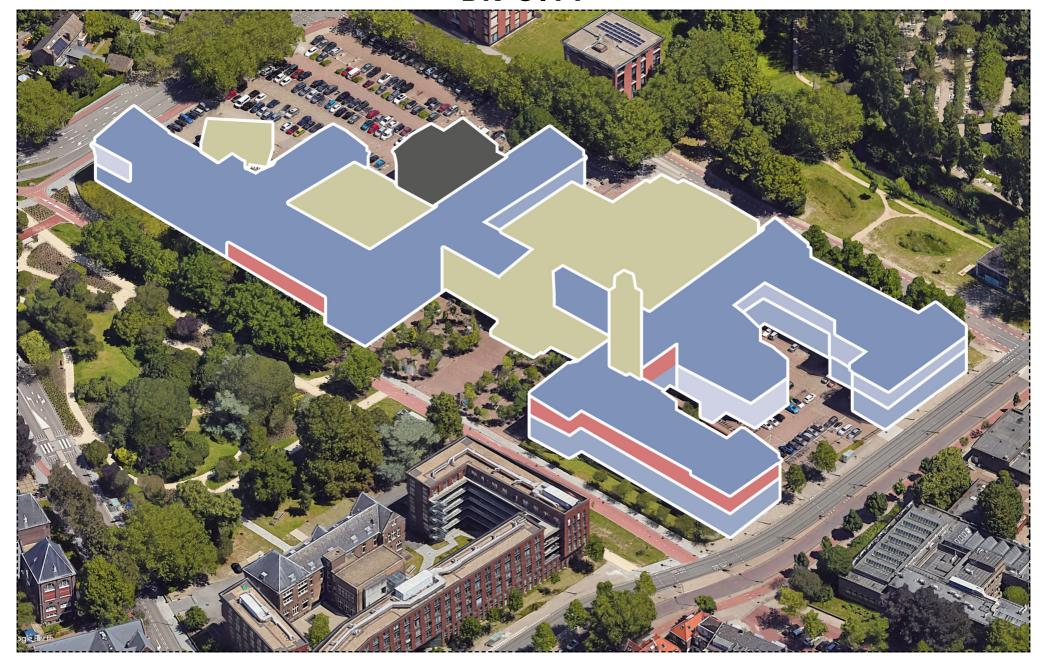
Exhibit



- Showcases
- Connect with local businesses

PROGRAM

BK-CITY



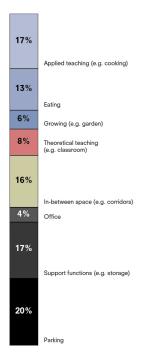
CULINARY ARTS UNIVERSITIES



École Ducasse

Total area: 5.057 m2 Students: 400

Restaurant: 60 seats

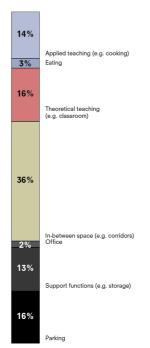




Basque Culinary Centre

Total area: 15.000 m2 Students: 500

Restaurant: 50 seats



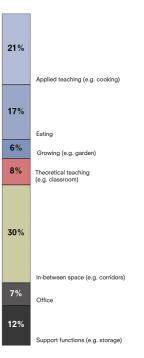


Trade Tech Culinary Arts

Total area: 5.660 m2

Students: 400

Restaurant: 100 seats

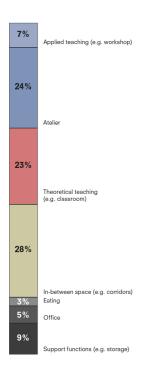


ARCHITECTURE UNIVERSITIES



BK-City

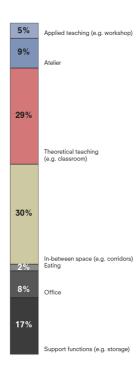
Total area: 36.400 m2 Students: 2.900





Melbourne Design School

Total area: 15.772 m2 Students: 3.000

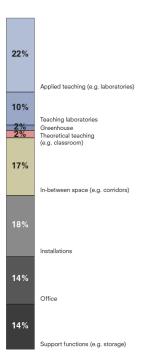


RESEARCH UNIVERSITY



Bristol Life Sciences

Total area: 13.000 m2 Students: 3.100

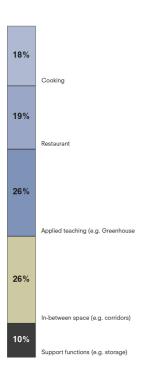


RESTAURANTS AND RESEARCH



Noma 2.0

Total area: 1.290 m2 Restaurant: 40 seats





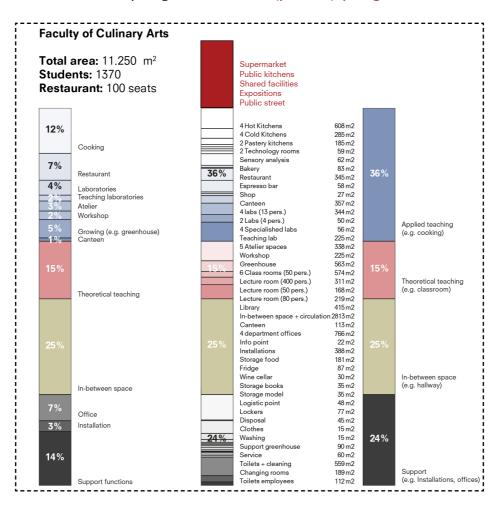
Mediamatic Aquaponics

Total area: 1.150 m2 **Restaurant:** 43 seats

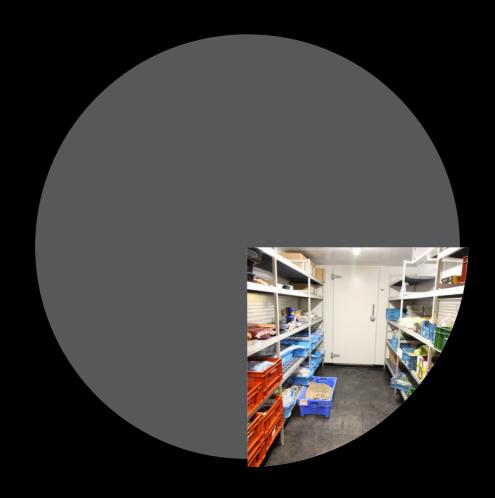
5%	Cooking
15%	Restaurant
17%	Greenhouse
4%	
4%	laboratories
14%	Applied teaching (e.g. workshop)
22%	Theoretical teaching (e.g. meeting)
10%	In-between space (e.g. corridors)
13%	Support functions (e.g. storage)

PROGRAM BAR

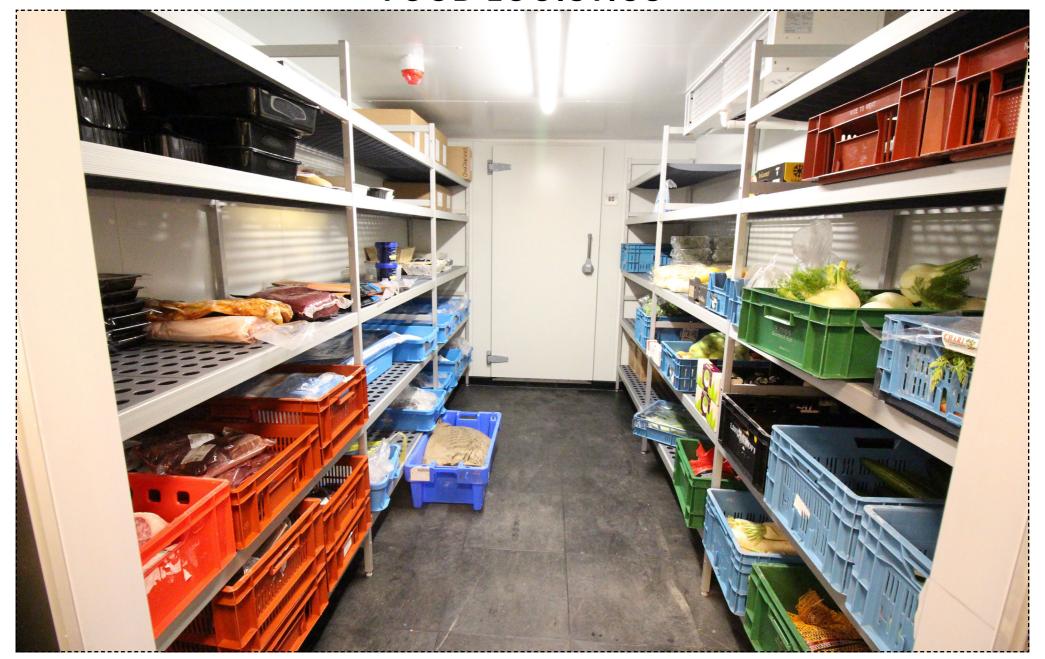
Total program + extra (public) program



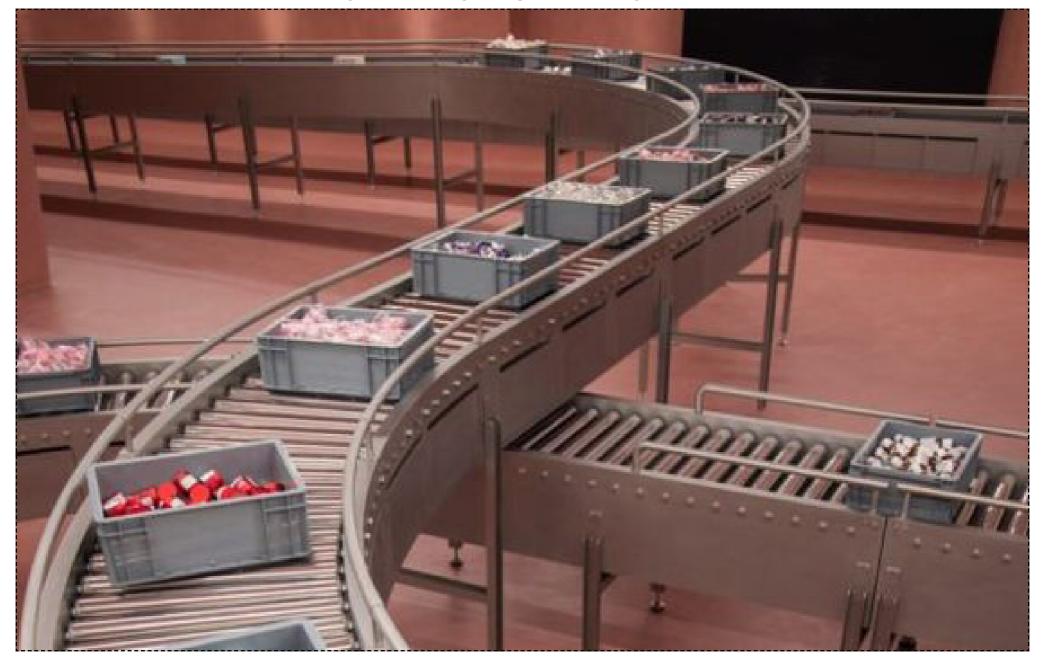
Program 25% SUPPORT



FOOD LOGISTICS



BUILDING AS A MACHINE



Program 25% IN-BETWEEN

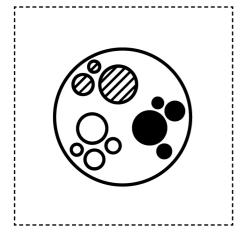


INTERNAL STREET AS KEY SPACE



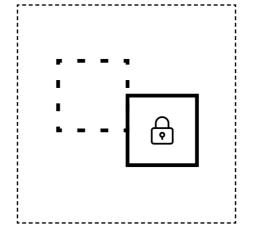
PROGRAM AMBITION

Programmatic clusters



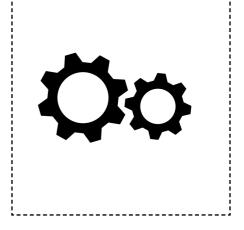
Optimised learning landscapeDifferent opening times

Private and public



Clear division public and privateDifferent study domains

Building as a machine



- Food system
- Decentralized installations

SITE

Site PROJECT LOCATION



PROJECT LOCATION



GROUP REQUIREMENTS

Maximise impact



Build in an area where the residential land value has increased more than the average growth of 304%

Maximise work



Build in an area where the job density is lower than 25.000 jobs per km2

Protect housing



Build in a borough which has a lower density of inhabitants, thus less housing

INDIVIDUAL REQUIREMENTS

Sustainable travel



Build within 500m of an U-bahn or S-bahn station

Within urban fabric



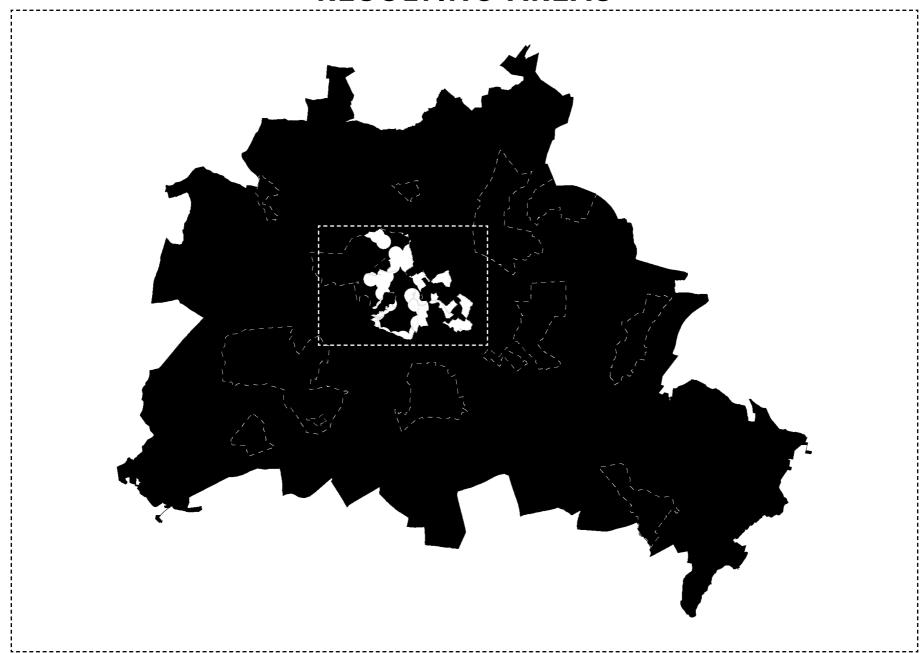
Build within the city of short distance

Central focal point

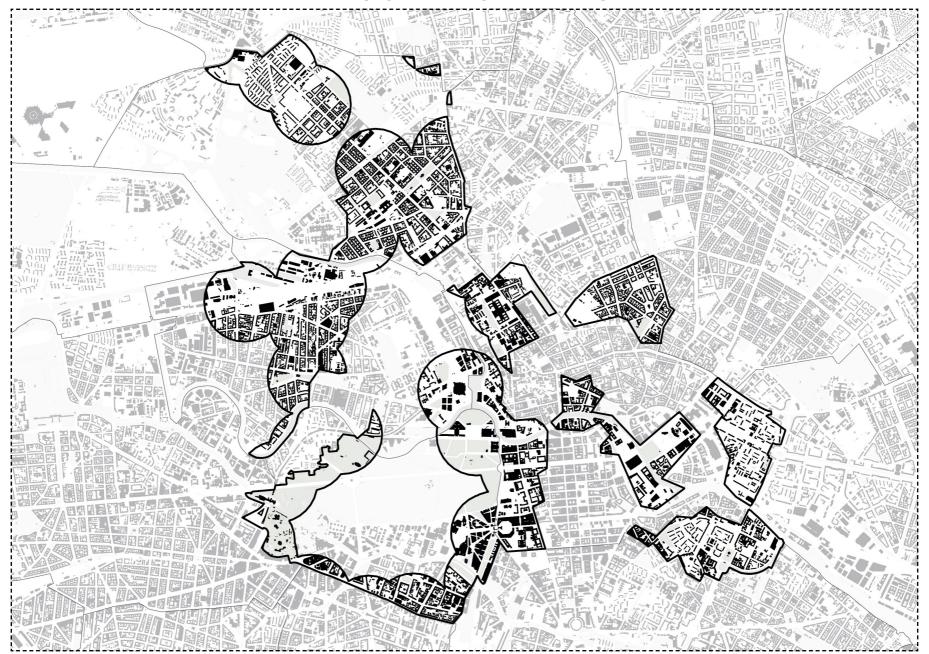


Build within the inner city

RESULTING AREAS



RESULTING AREAS



SITE REQUIREMENTS

Primarily unbuild

Minimum of 10.000 m²

Next to a **public plaza** (or at least 4.000 m² to create one)

Connected to the road network

Within walking distance of a **mixed-use area**

Within walking distance of **popular food hotspots**

The surrounding buildings should have < 6 floors

SELECTED SITES



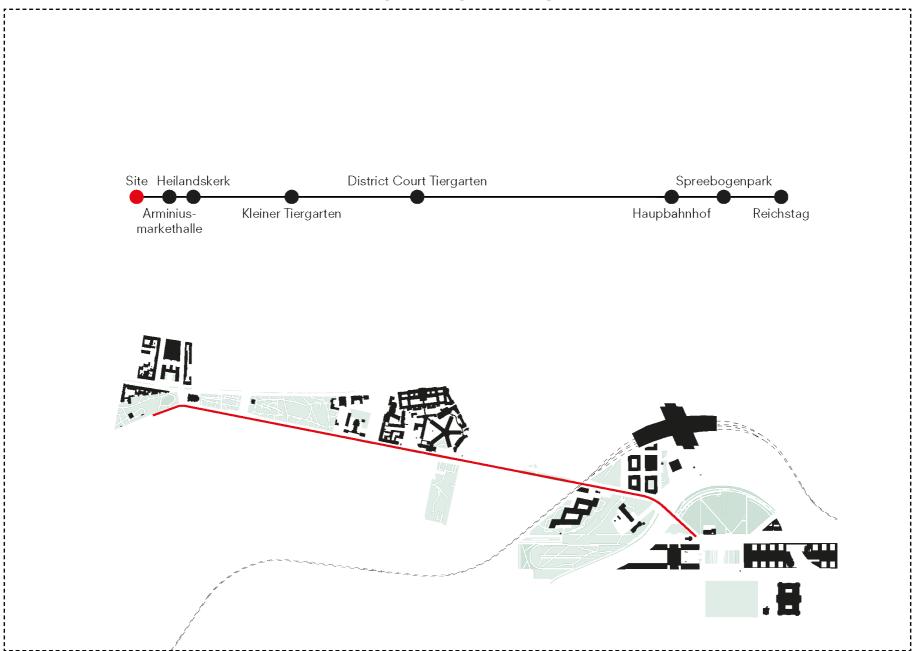
SITE SUMMARY

	Site 1	Site 2	Site 3	Site 4	Bonus site
Location	Tegeler Straße Wedding	Otto park Moabit	Prison park Moabit	Melchiorstraße Mitte	Haus der statistik Mitte
Size	10.650 m ²	15.000 m²	21.000 m ²	10.500 m²	GFA 46.000 m²
FAR	0,95	1,33	1,87	0,93	4,09
Atmosphere		••••		••000	••000
Accessibility	••••	••••	••••		
Promenece	••••	••••	••••	•0000	••••
Visibiity	•••00	••••	•0000	•••00	••••

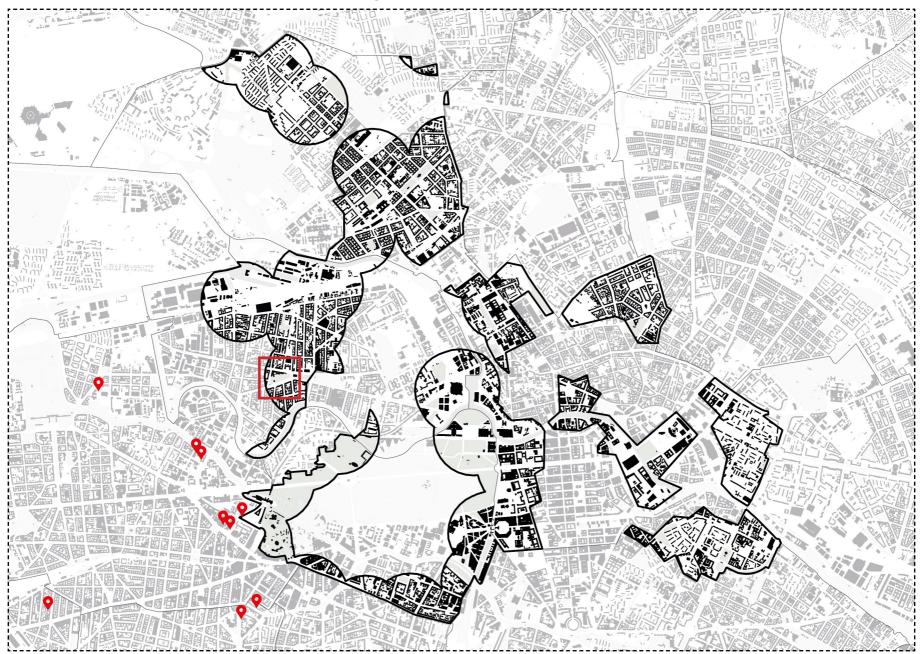
Site LOCATION PHOTO



PUBLIC AXIS



UDK BERLIN



PUBLIC TRANSPORT

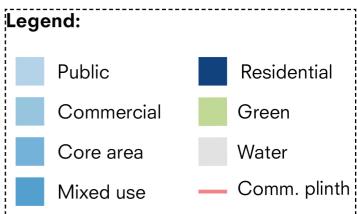


Legend:

- U U-bahn stops, U9
- Bus stops, N9, 101, 123, 187, 245, M27, N40

USES

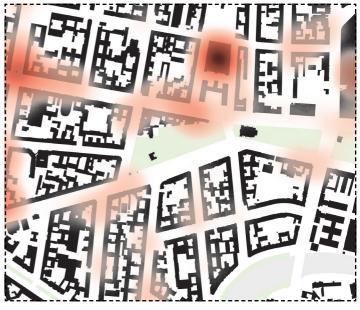




EATING ESTABLISHMENTS



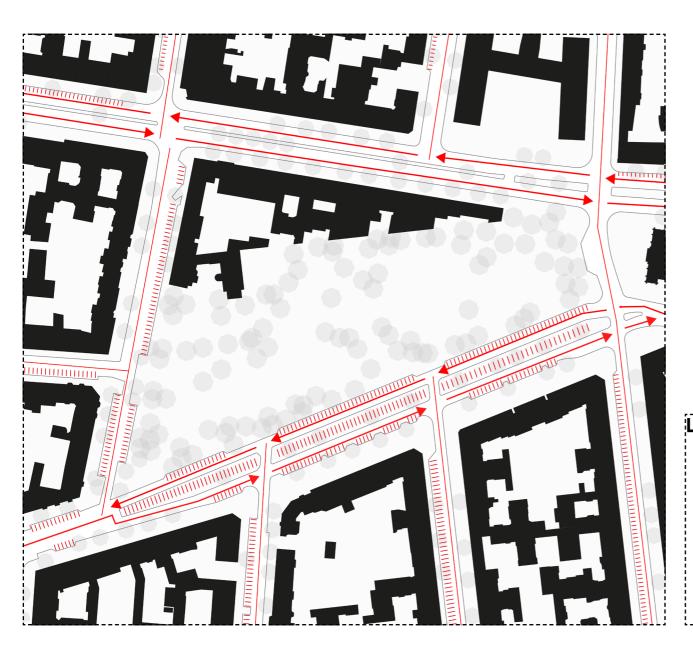
Berlin Studio

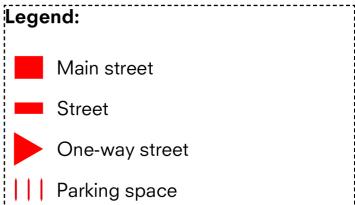


Legend:

- Restaurants
- Cafes
- Fast food

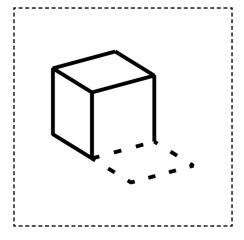
Site MOBILITY





AMBTIONS

Public square



- Connect with its surroundings - Contribute to the city

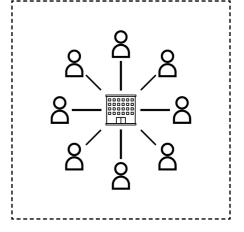
Berlin Studio

Landmark



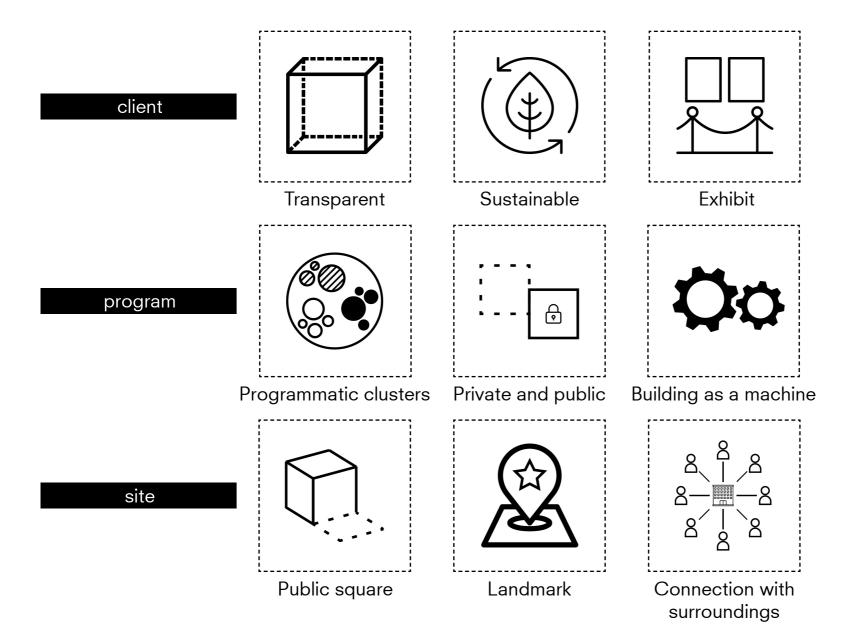
- Central point - End of public axis - Destination

Connection with surroundings



- In-between space as transition - Public shared **functions** - Encourage dialogue

AMBITION MATRIX



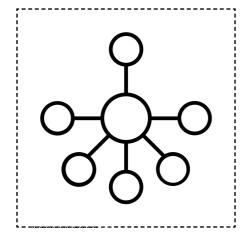
Site **SITE MODEL**



CONCEPT

AMBITIONS FOR DESIGN PRINCIPLES

Connecting with surroundings



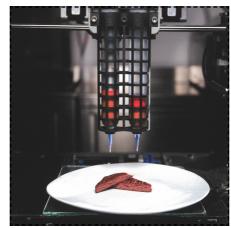








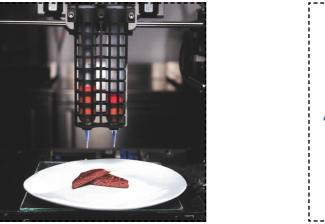
Future proof















Raising awareness









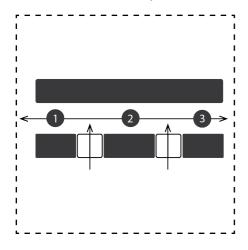




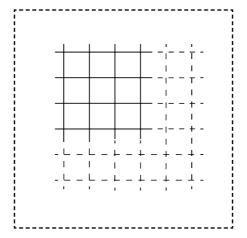


Concept CONCEPTS

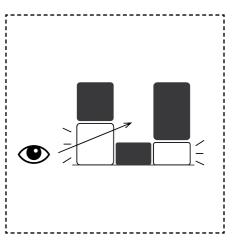
Street with specials



Flexible and demountable structure



Building as diorama



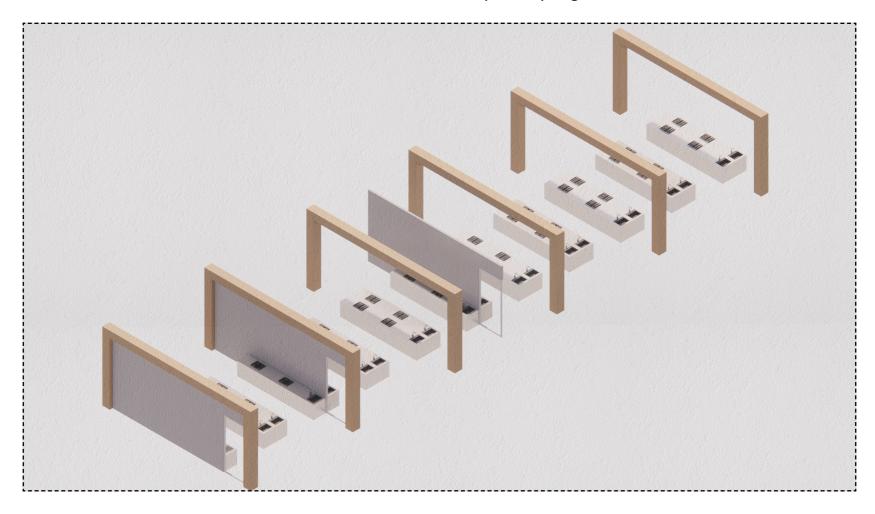


But how to do this?

Concept

GRID BASED ON PROGRAM

Grid structure based on special program



DEMOUNTABLE WOOD STRUCTURE

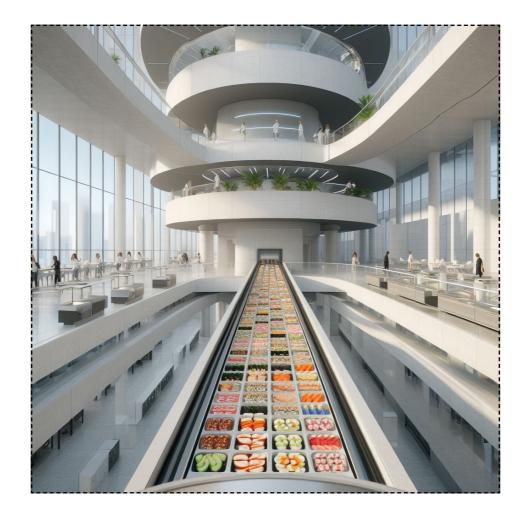
CLT - Cross Laminated Timber



Concept

FOOD SYSTEM

Making the open public street possible and creating a wow factor



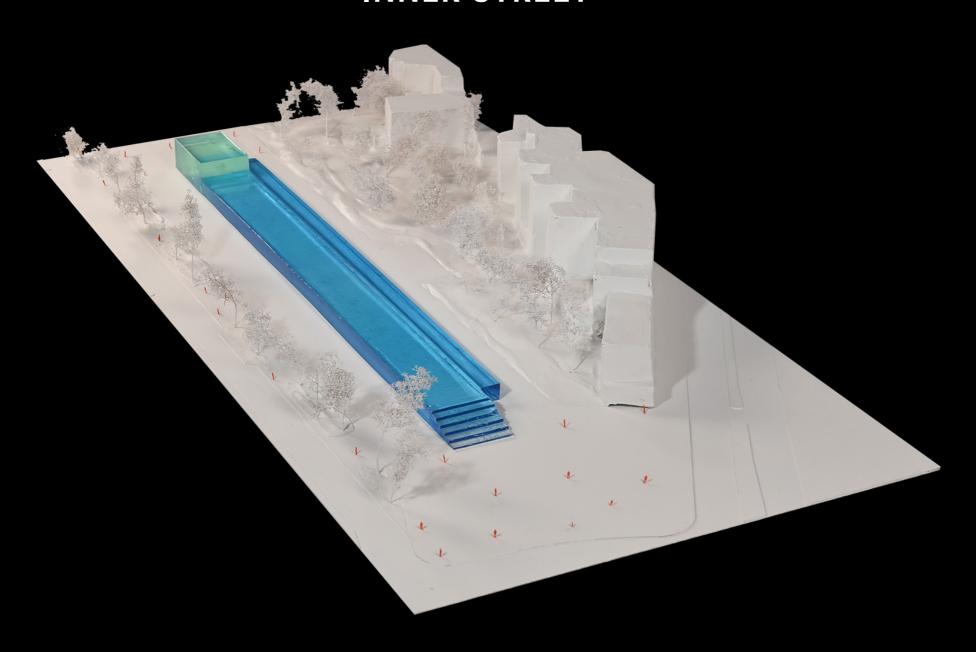
Concept

INSTALLATION FACADE

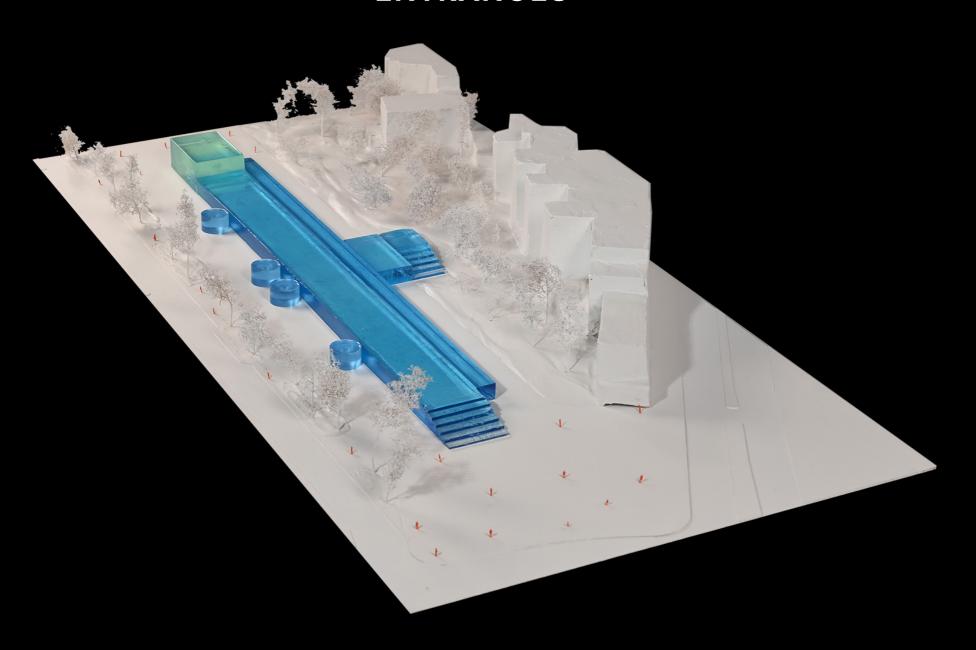
decentralized ventilation system making flexibility possible and gives kitchen astetiscs



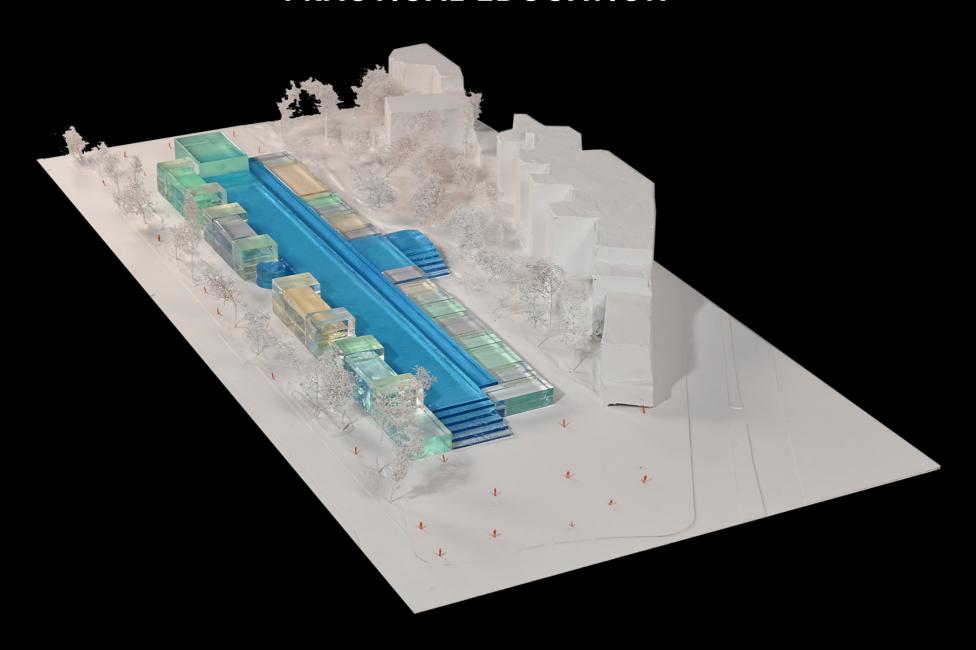
Concept INNER STREET



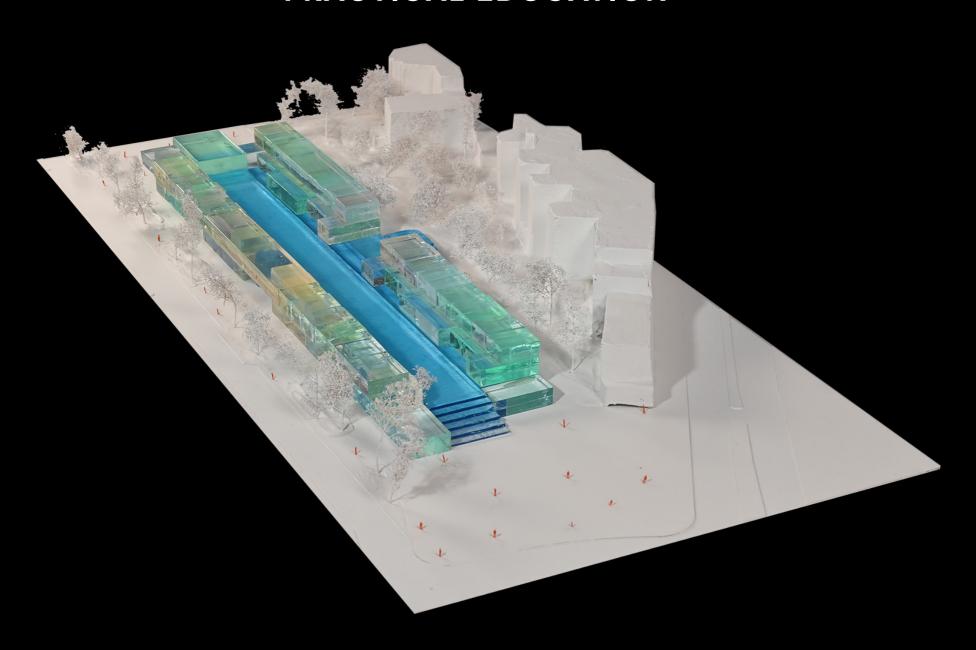
Concept **ENTRANCES**



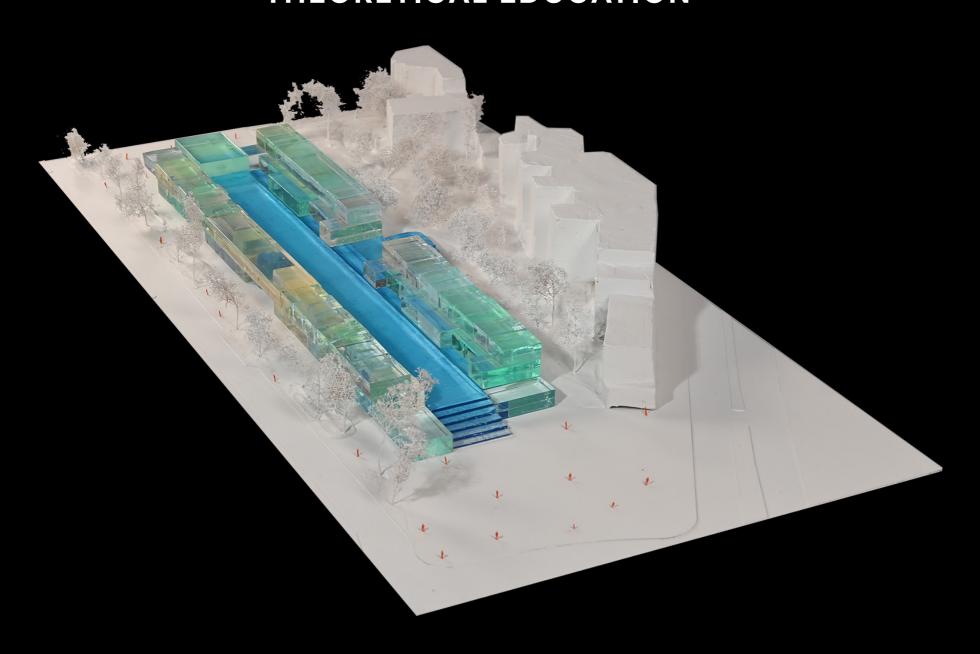
Concept PRACTICAL EDUCATION



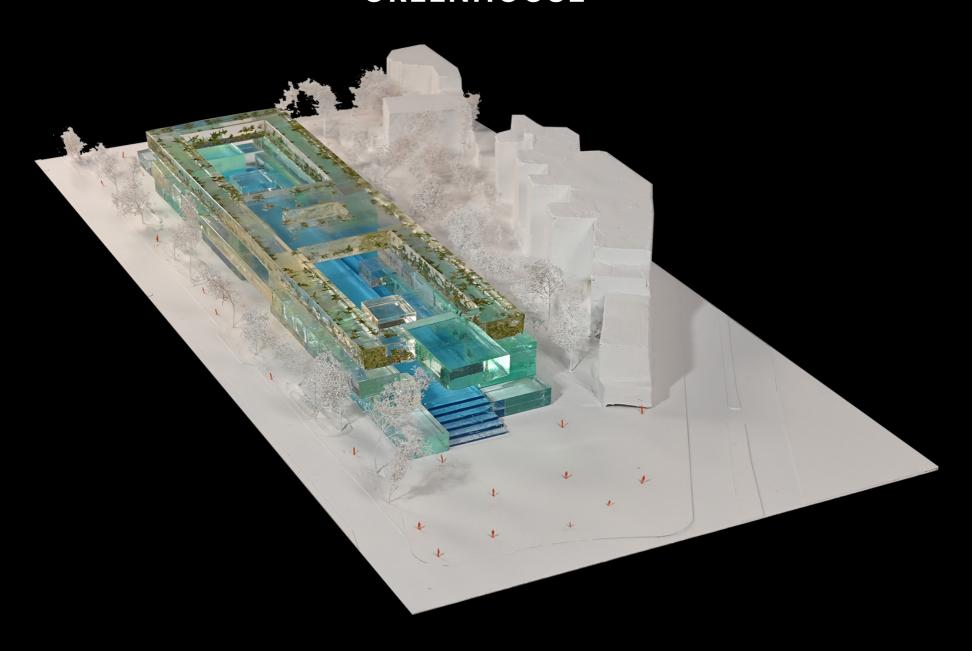
Concept PRACTICAL EDUCATION



Concept THEORETICAL EDUCATION

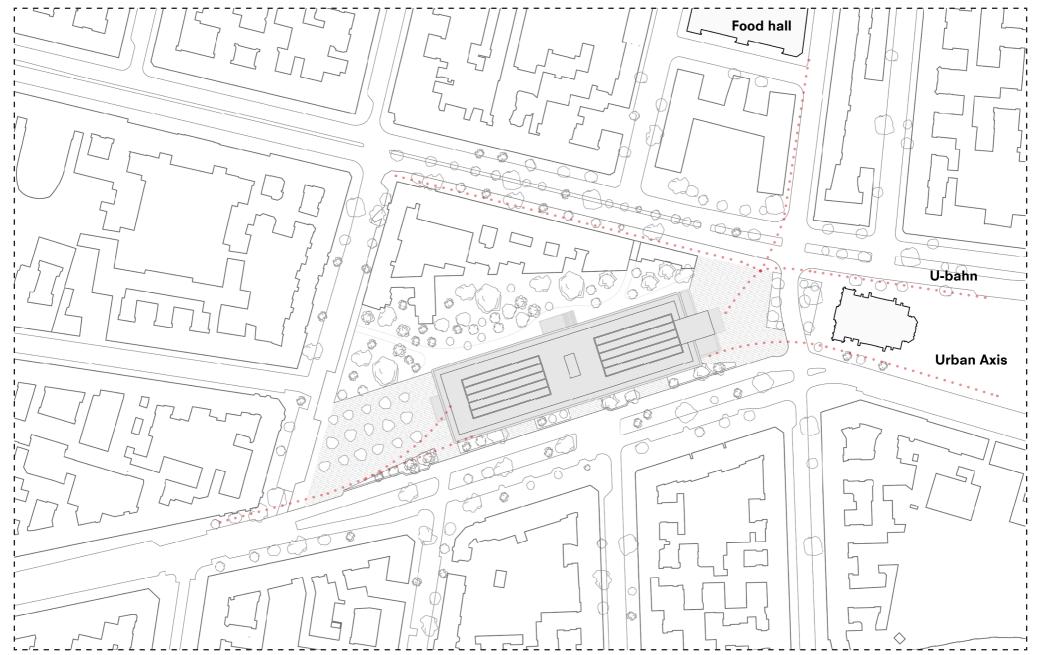


Concept GREENHOUSE



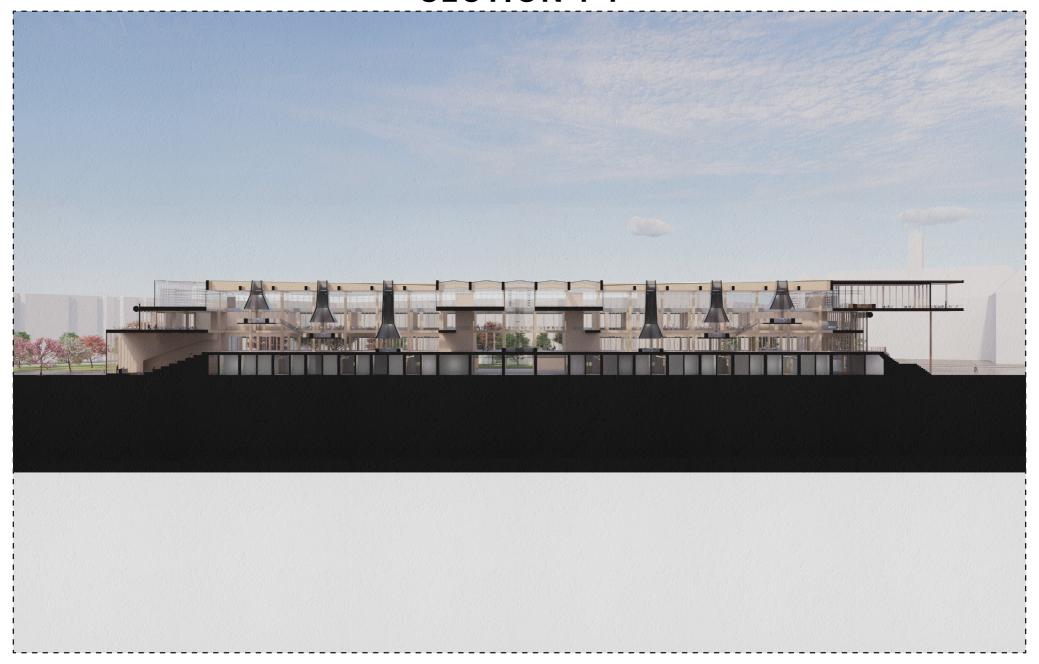
IMPLEMENTATION

SITE PLAN

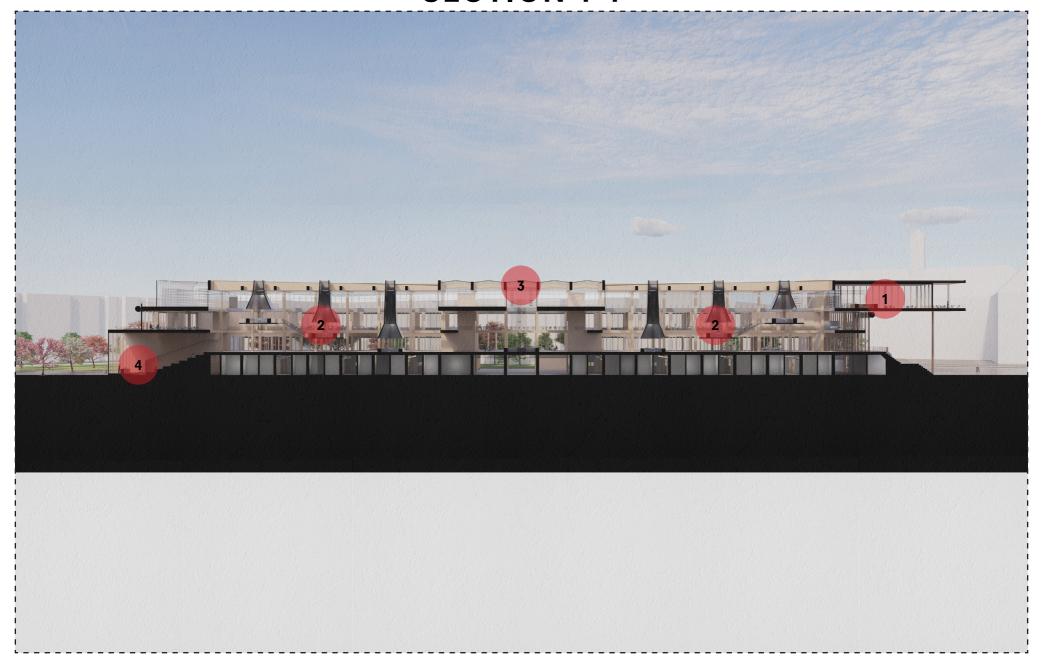




SECTION 1-1

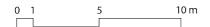


SECTION 1-1



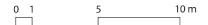
RESTAURANT



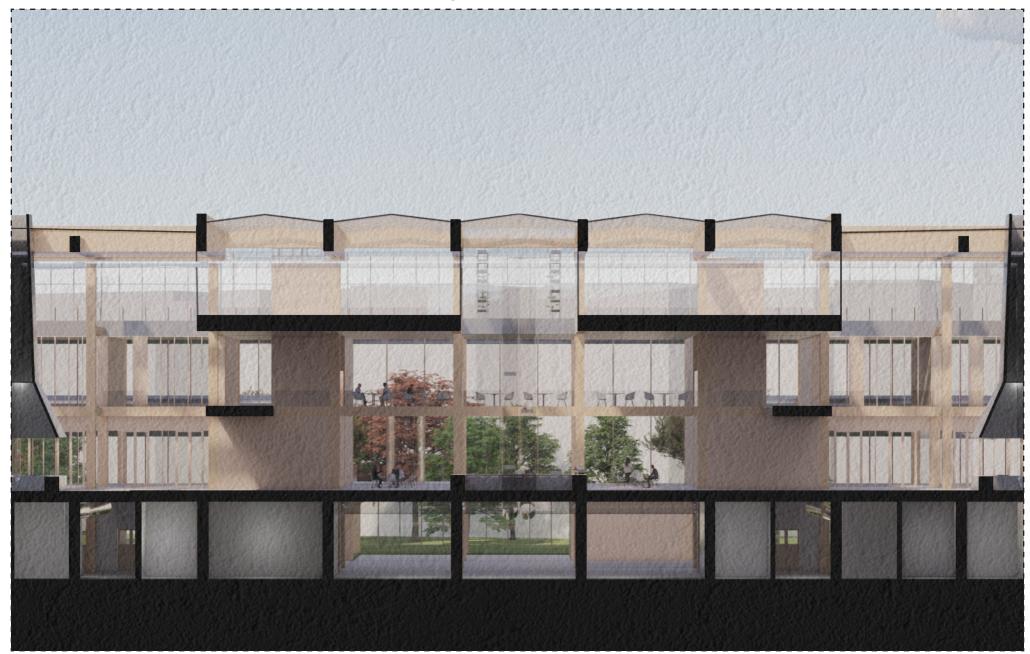


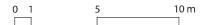
HANGING KITCHENS



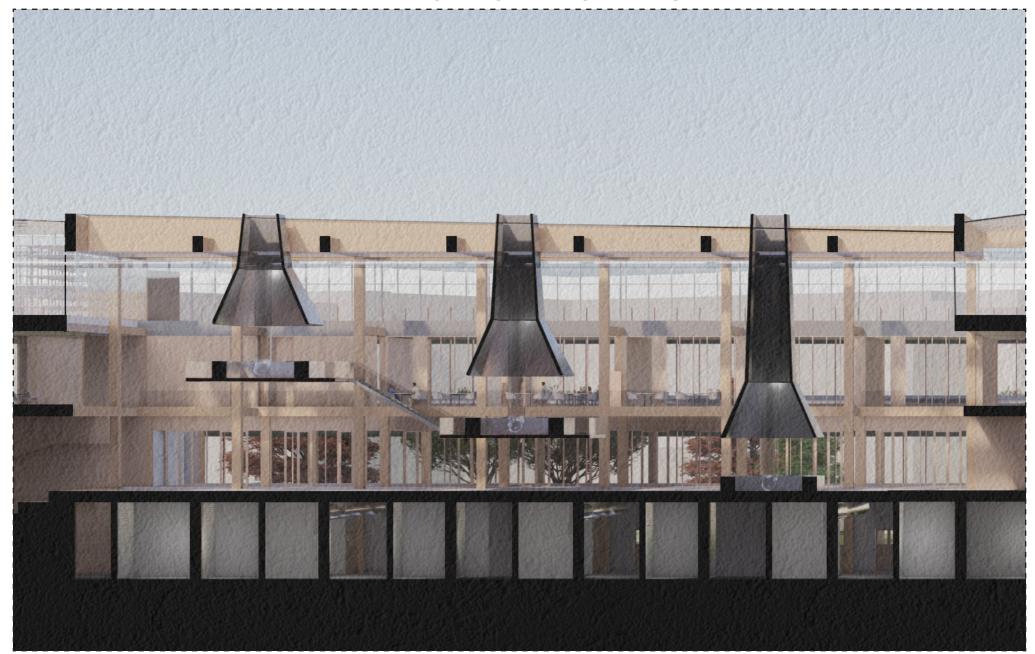


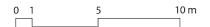
CANTEEN



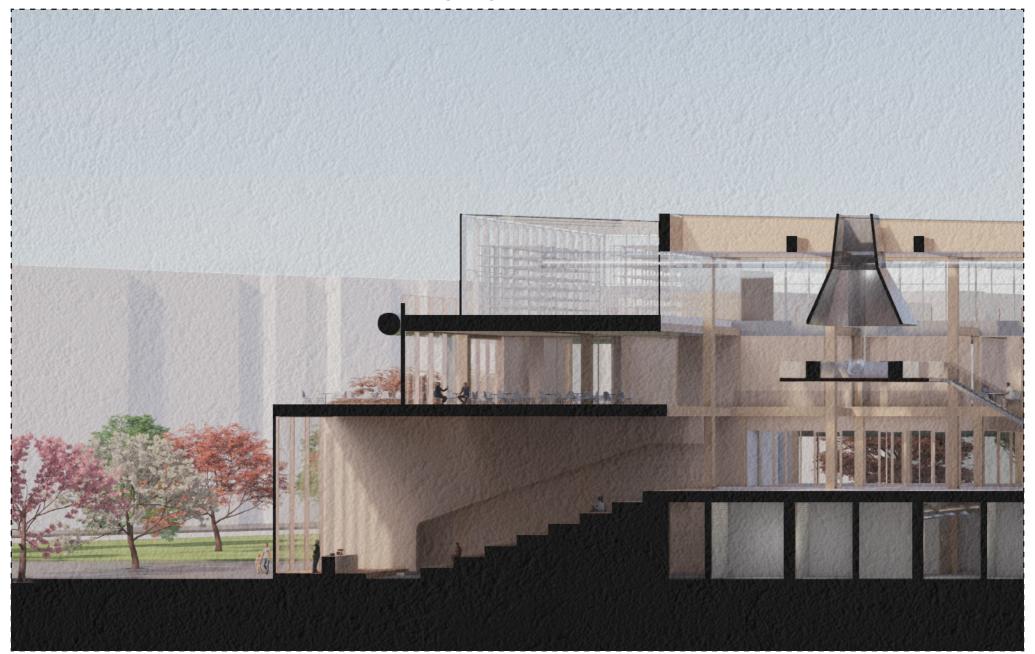


HANGING KITCHENS



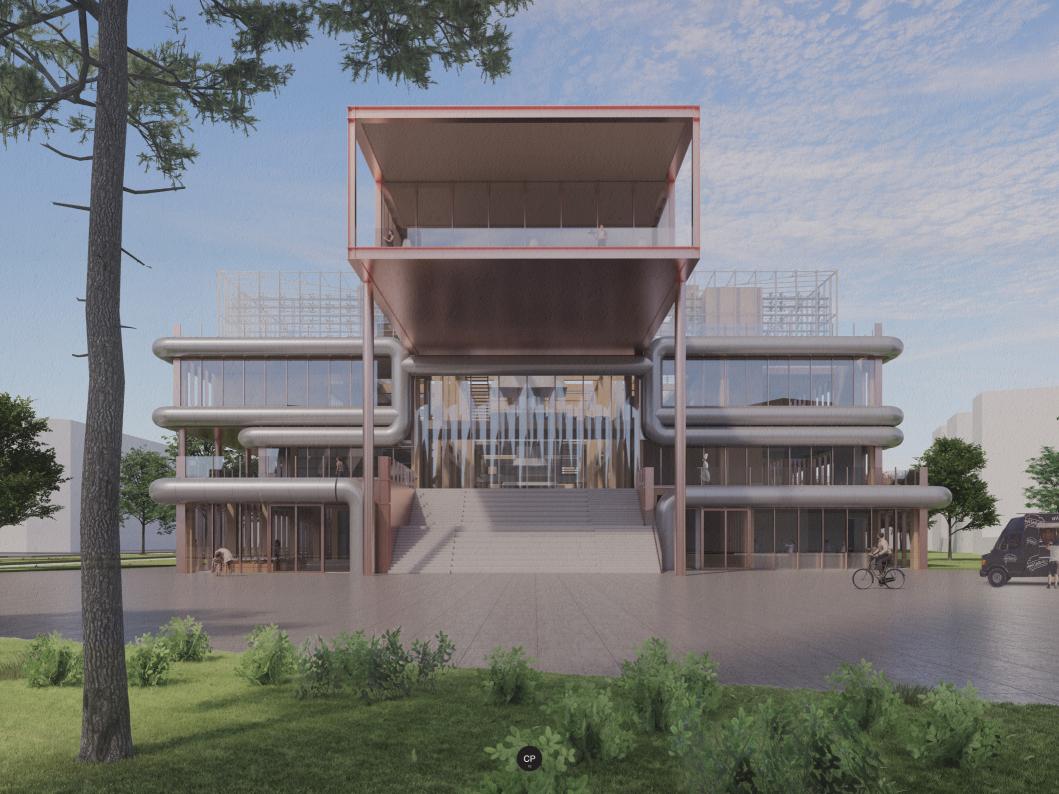


LECTURE HALL



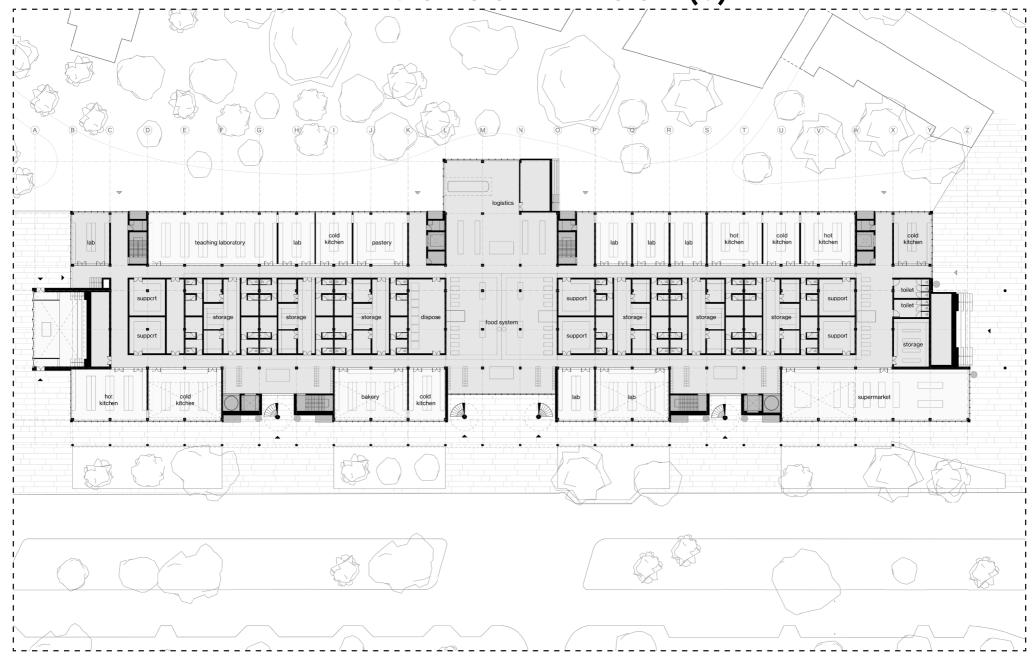
URBAN IMPLEMENTATION STREET

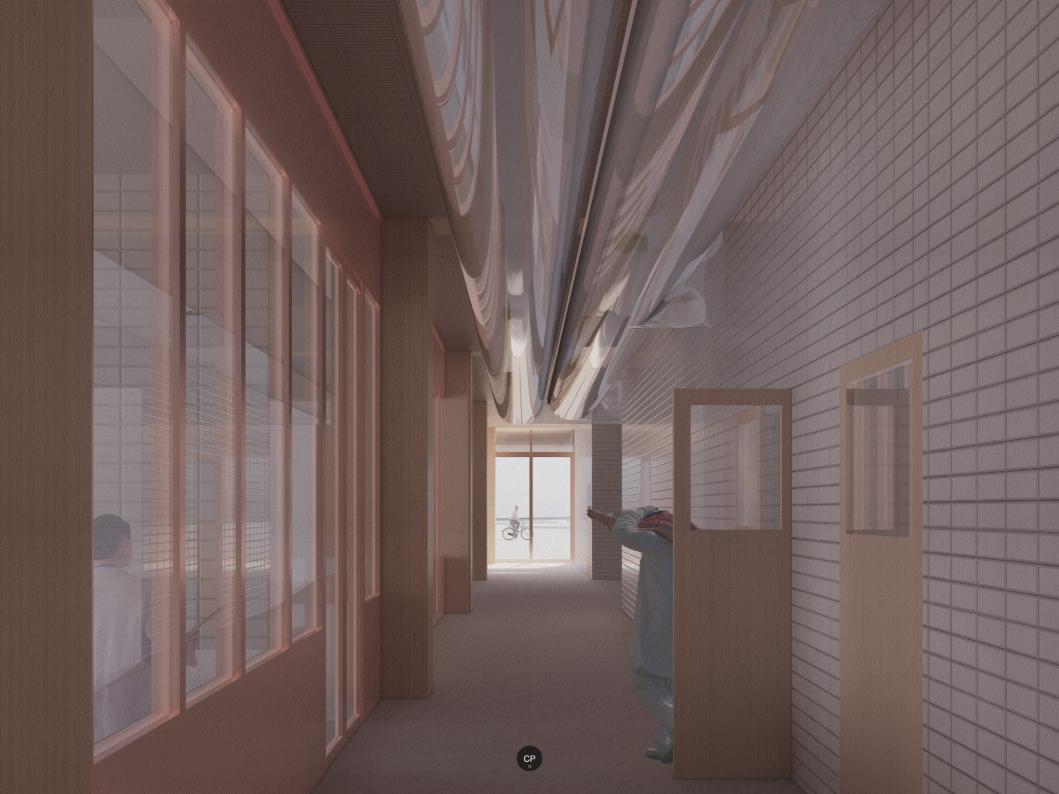


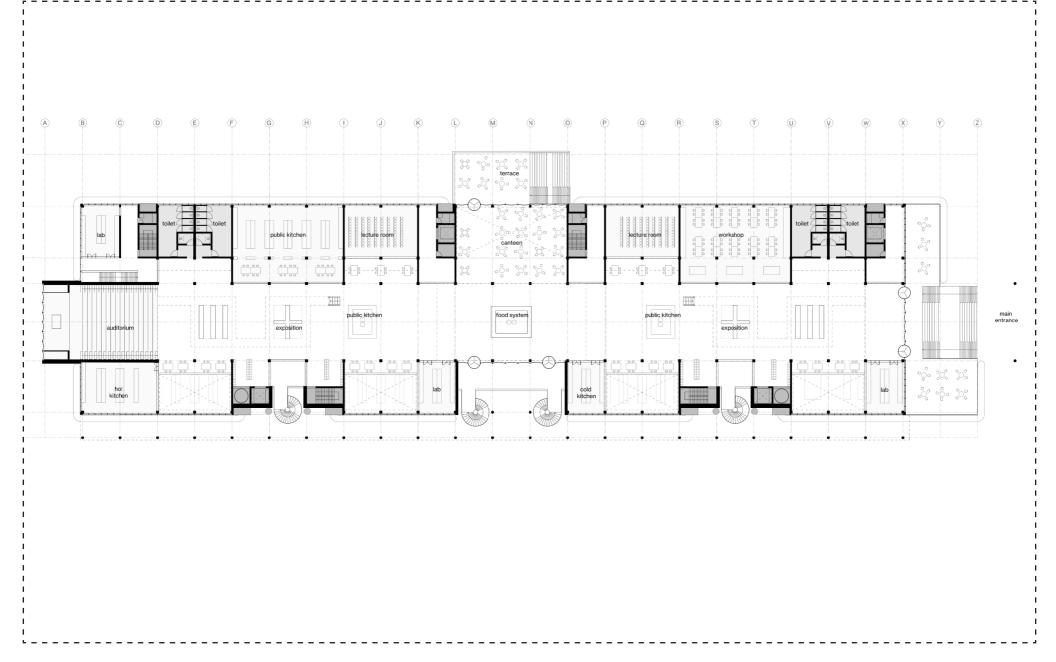


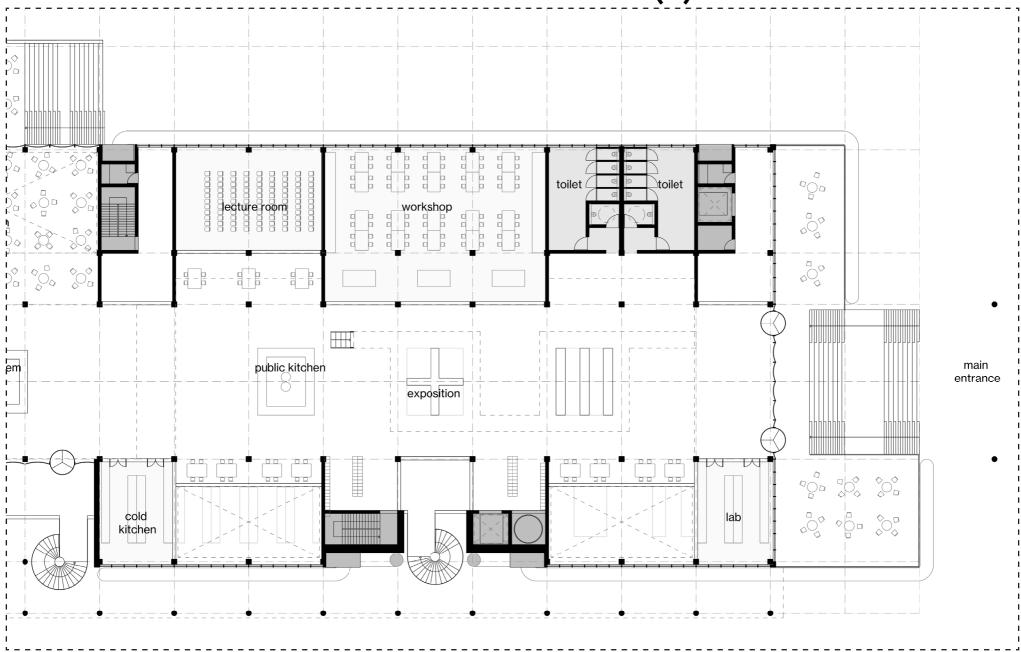


PLAN: GROUND FLOOR (0)

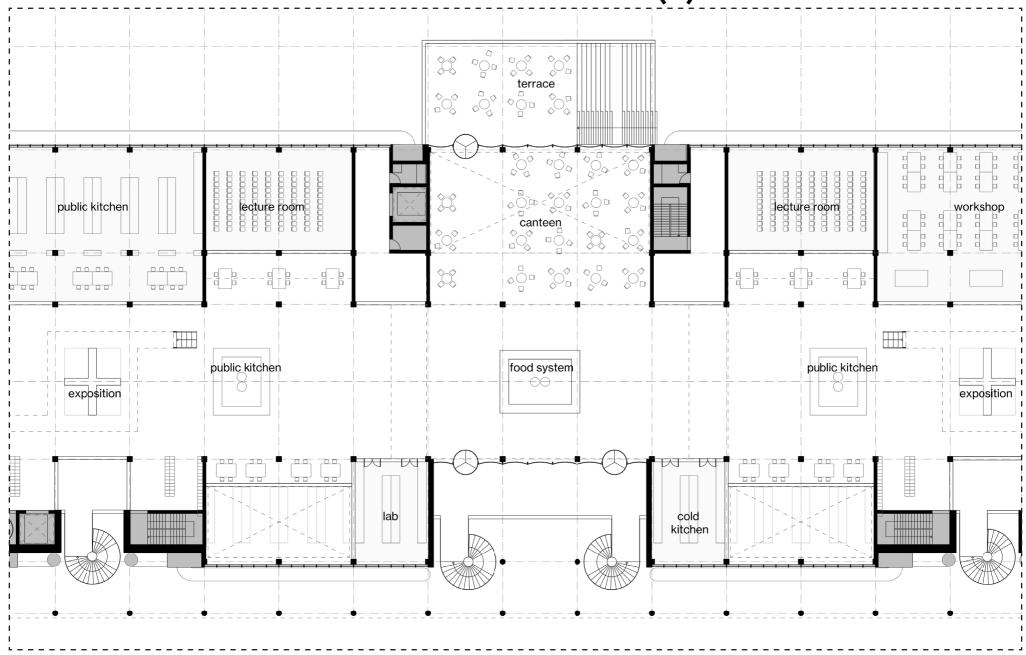








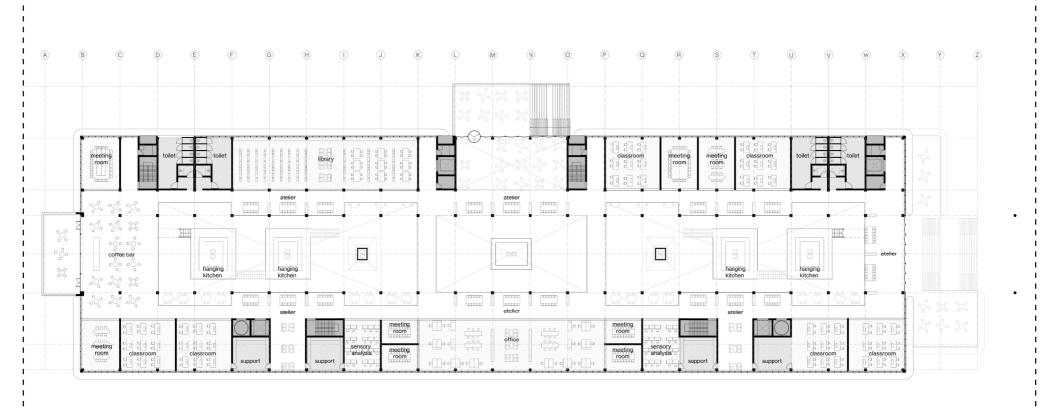






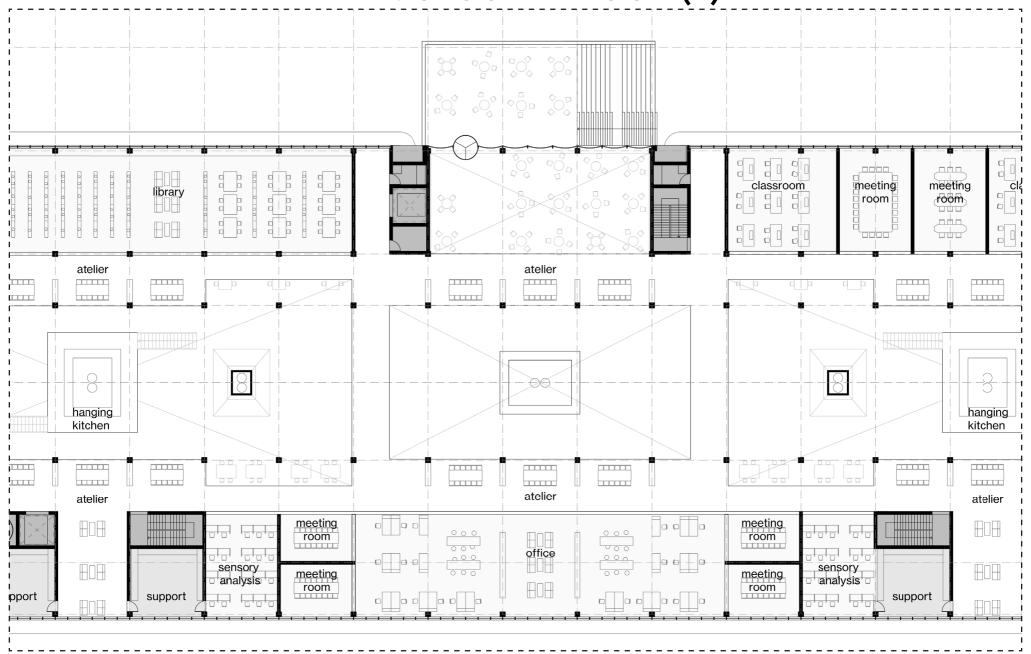


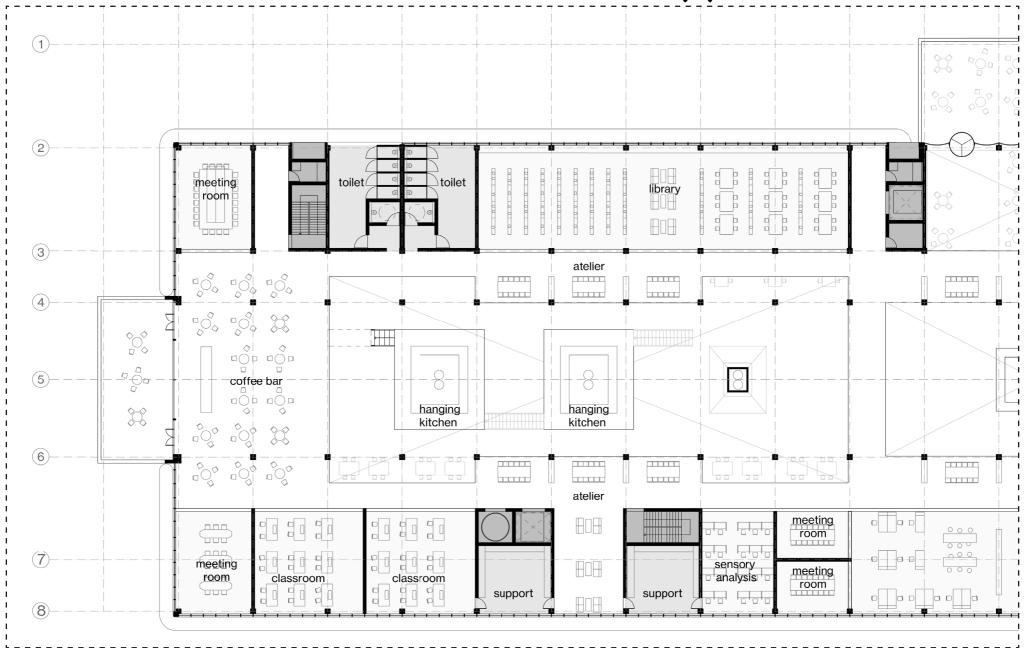


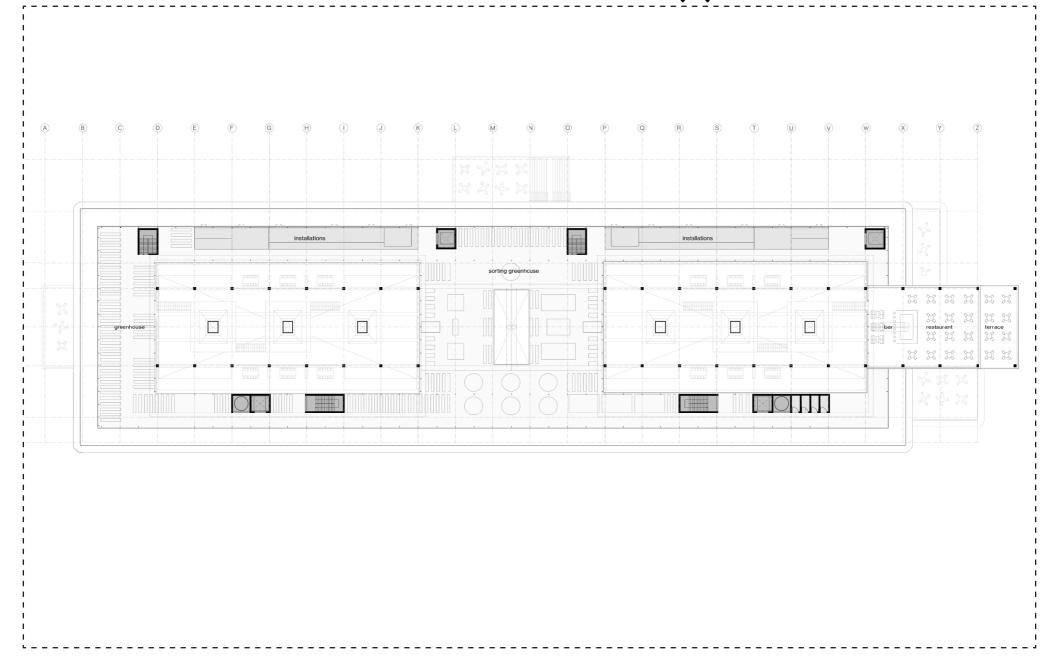


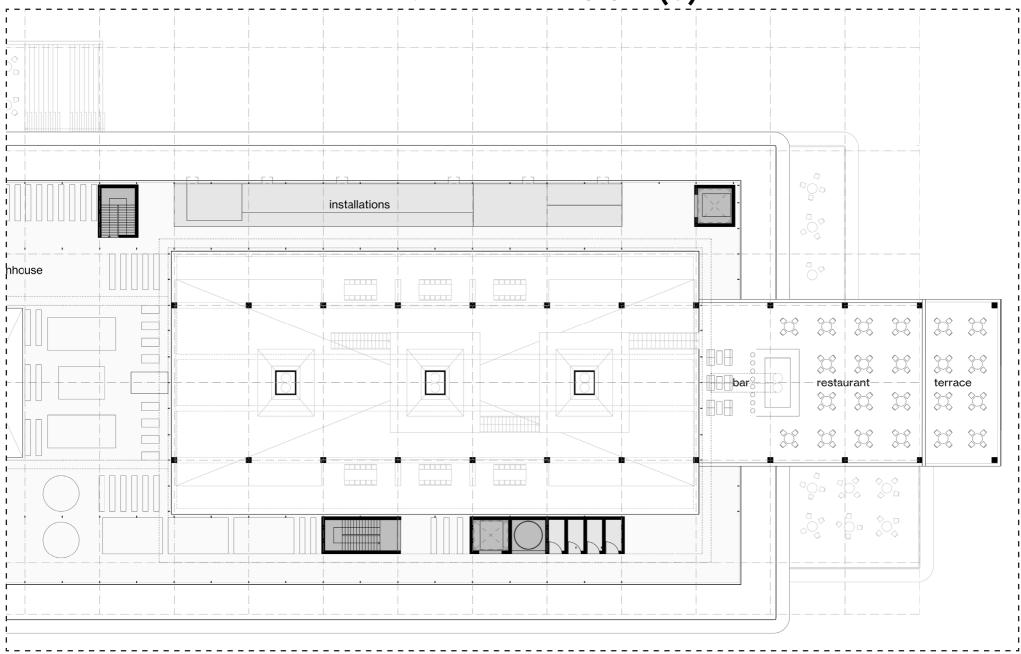


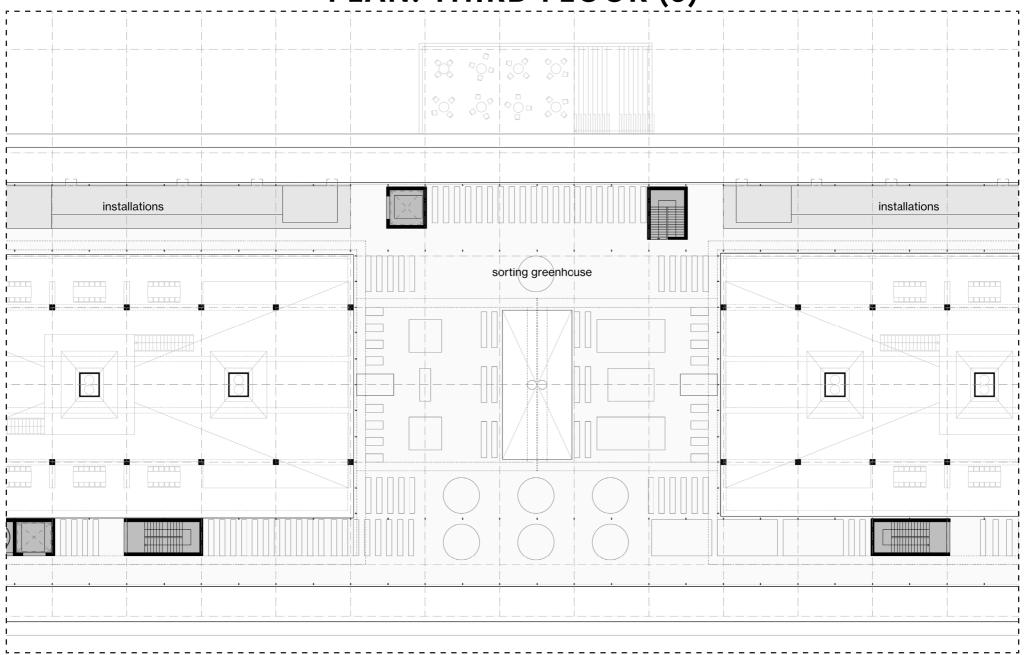


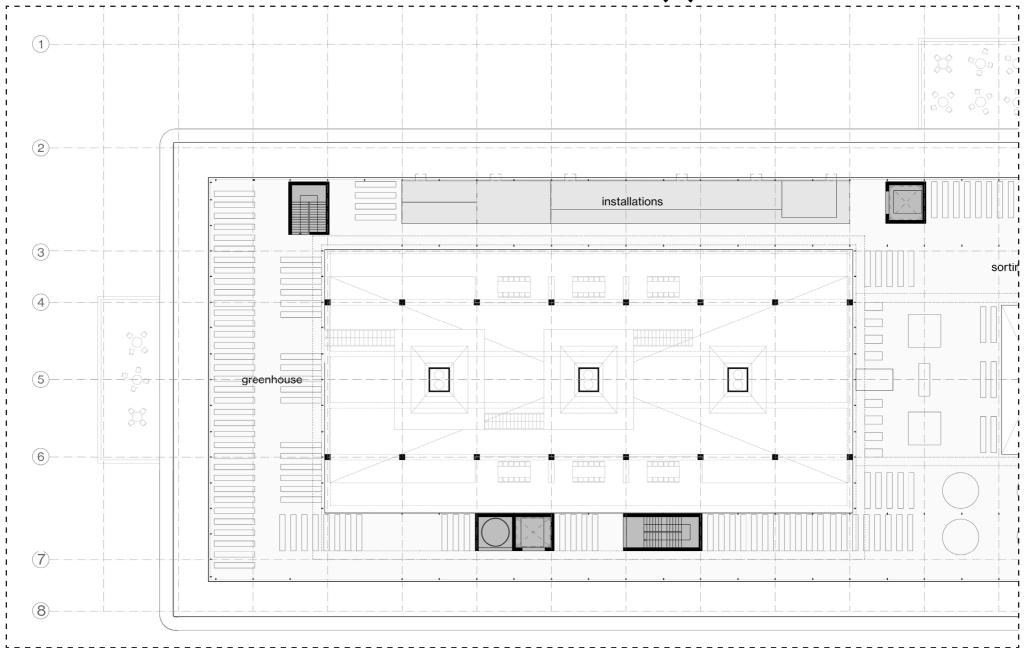




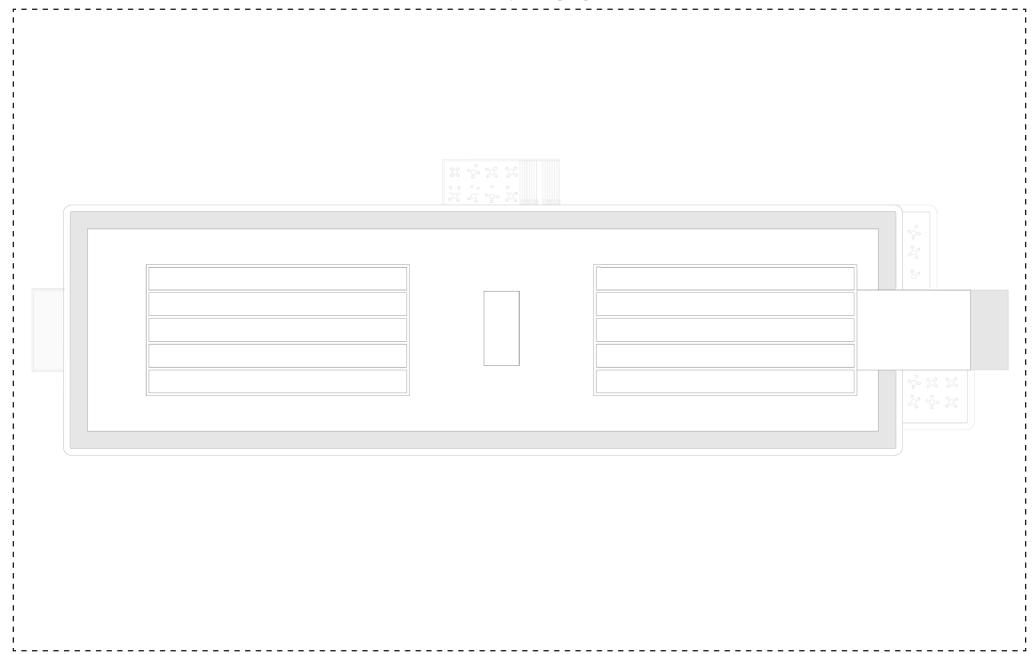






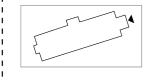


PLAN: ROOF



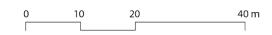
ELEVATION SQUARE





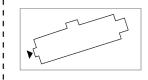
ELEVATION STREET



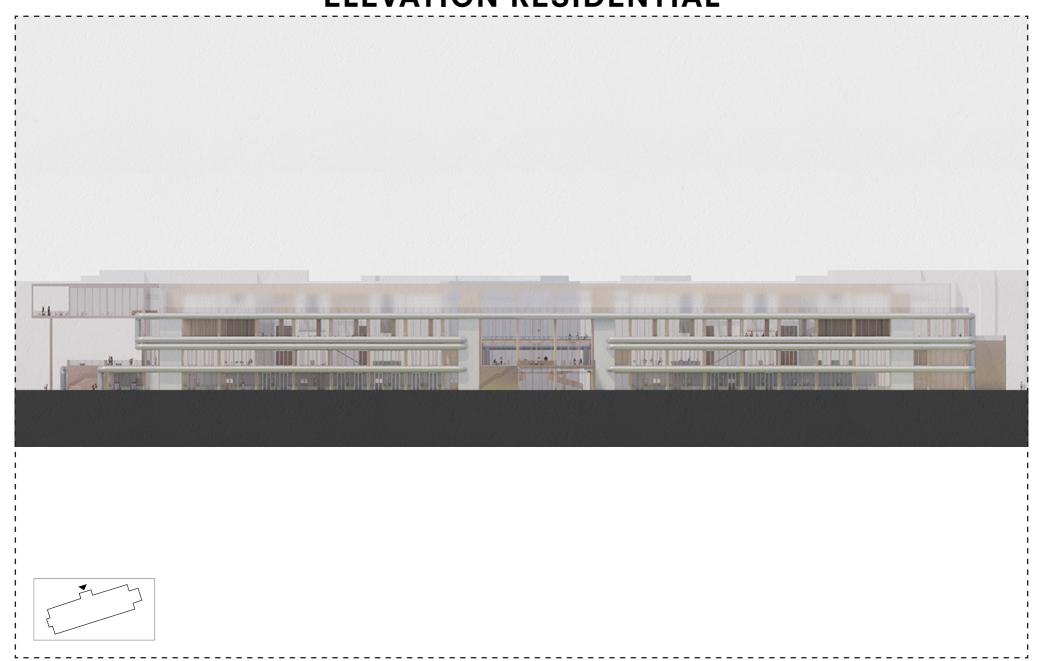


ELEVATION ORCHARD



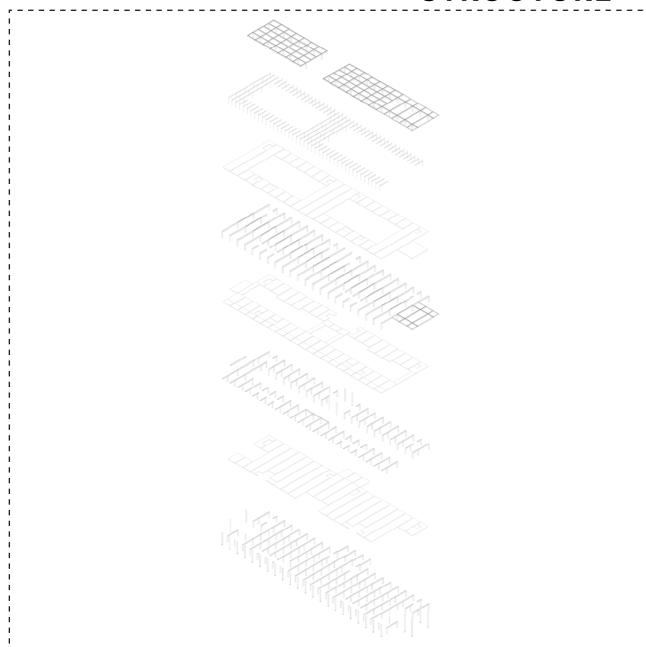


ELEVATION RESIDENTIAL



DEVELOPMENT

STRUCTURE





Light steel structure

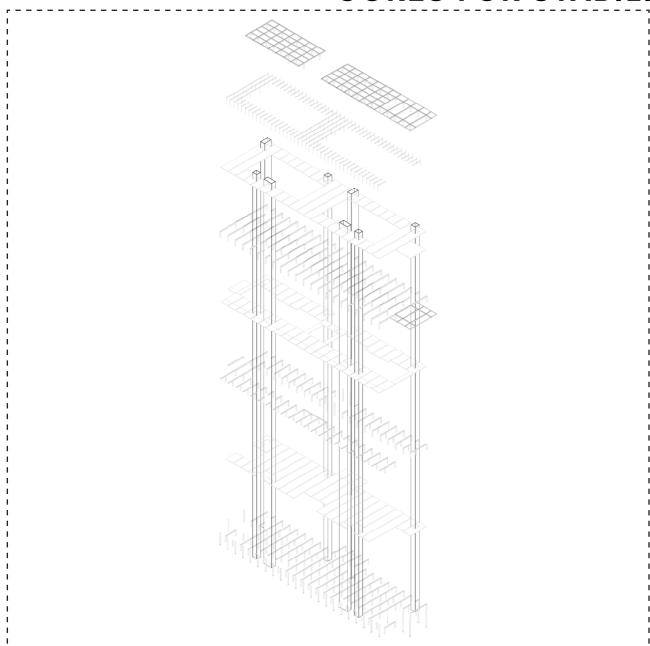


Kerto ripa floor slabs with acoustic ceiling



Demountable wood construction

CORES FOR STABILITY





Light steel structure



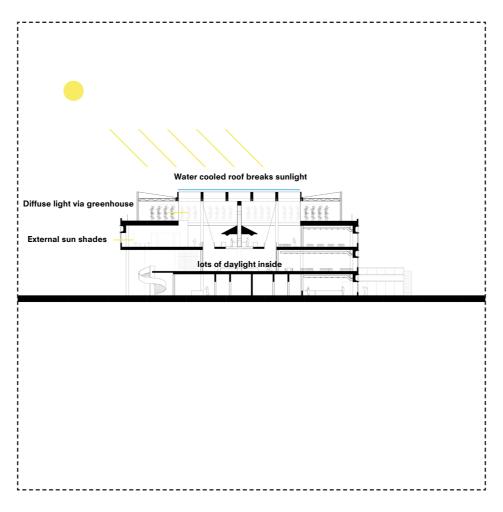
Kerto ripa floor slabs with acoustic ceiling



Demountable wood construction

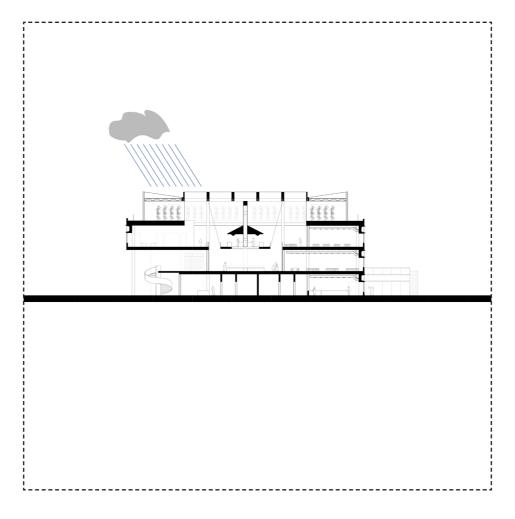
CLIMATE: SUN

The water on the atrium helps with cooling in summer. In the winter all sunlight can help with heating



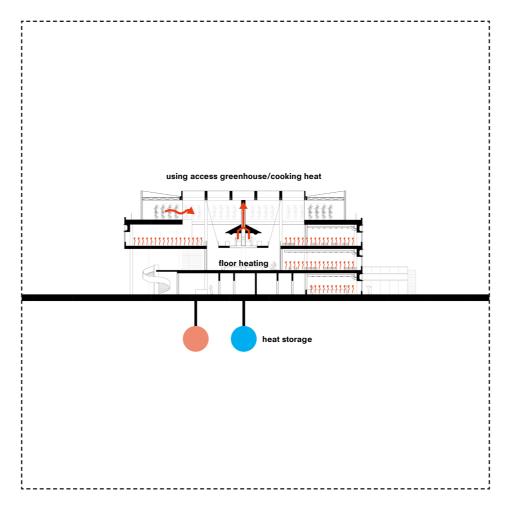
CLIMATE: WATER

All water is collected and used in the greenhouse



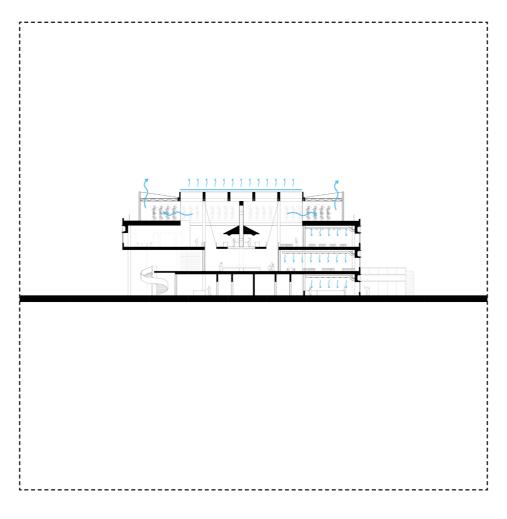
CLIMATE: HEATING

Excess greenhouse heat, and cooking heat can be reused. Ventilation system D in combination with floor heating. Excess heat can be stored in summer

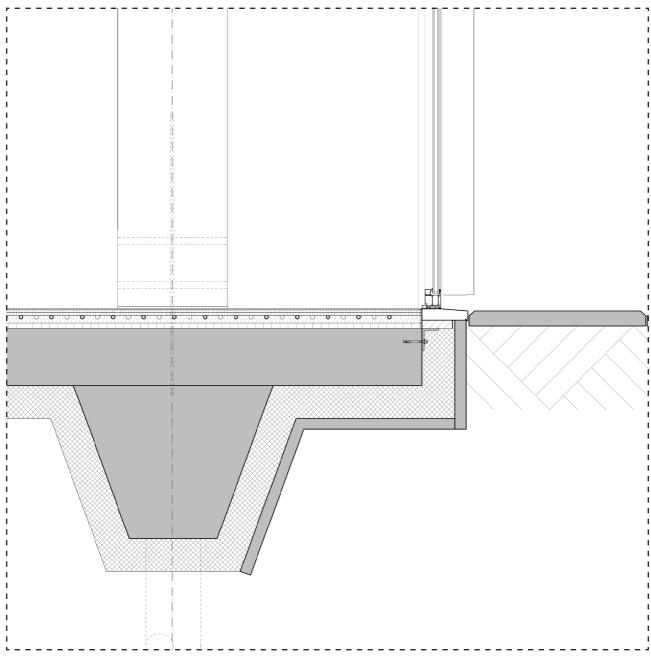


CLIMATE: COOLING

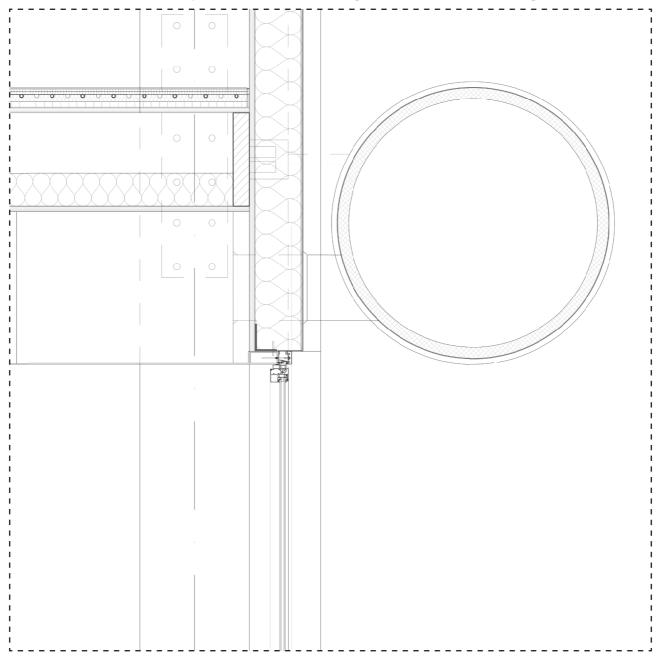
Water cooling atrium. Ventilation system D with cross ventilation for peak moments. Additional the water of greenhouse can be used for cooling.



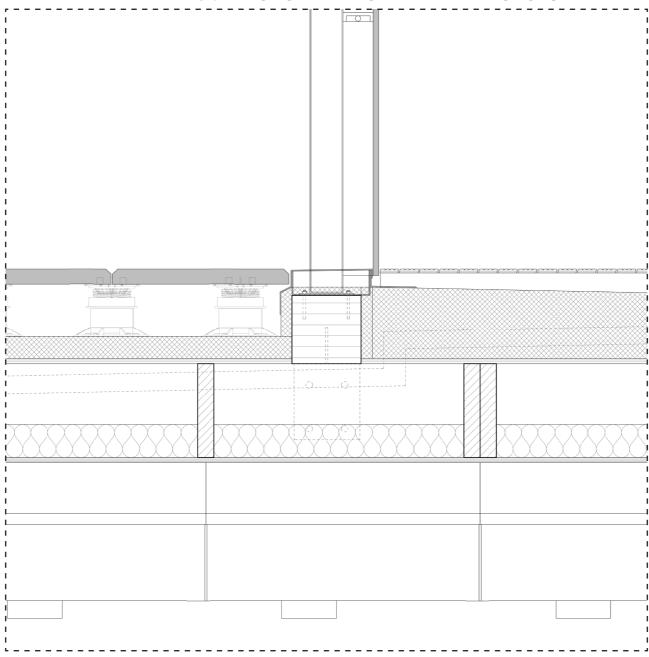
DETAIL 1: FOUNDATION



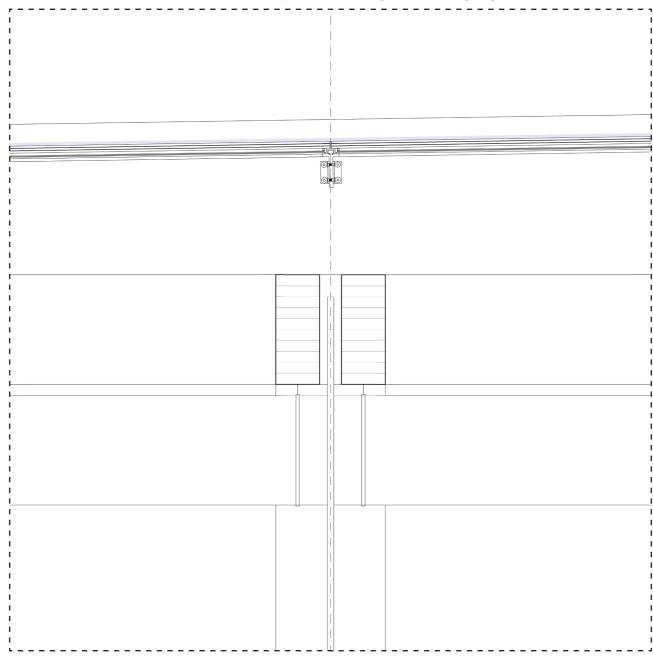
DETAIL 2: MAIN FACADE PRINCIPLE



DETAIL 3: ROOF + GREENHOUSE

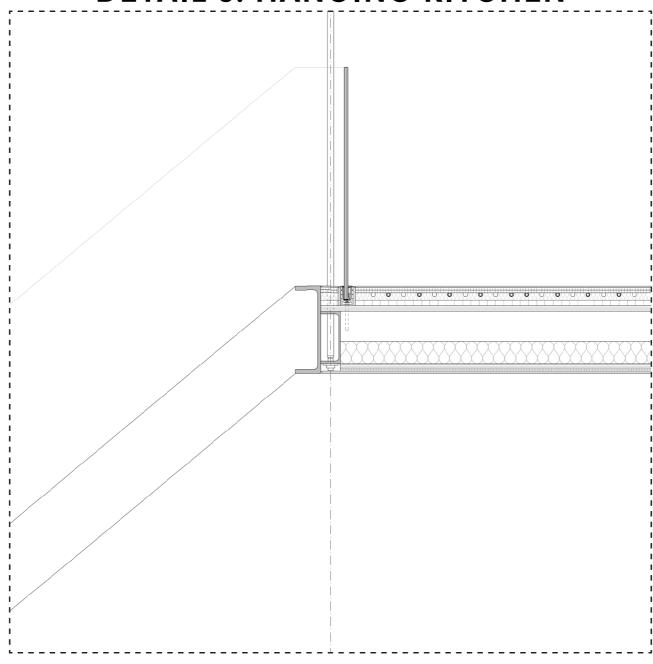


DETAIL 4: ATRIUM ROOF



Berlin Studio

DETAIL 5: HANGING KITCHEN



Berlin Studio

CONCLUSION

Conclusion RESEARCH QUESTION

In what ways can a culinary university building connect with its immediate and broader surroundings?

Conclusion

PROGRAM, PROGRAM, PROGRAM



Conclusion

VISIBLE

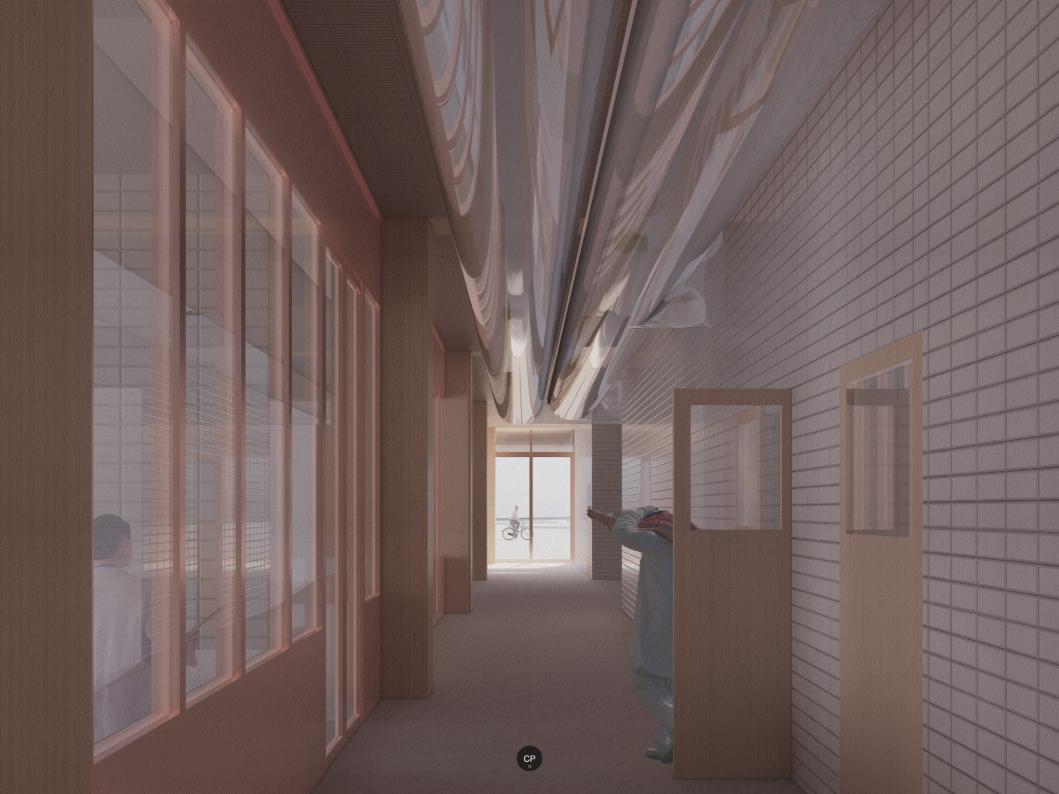


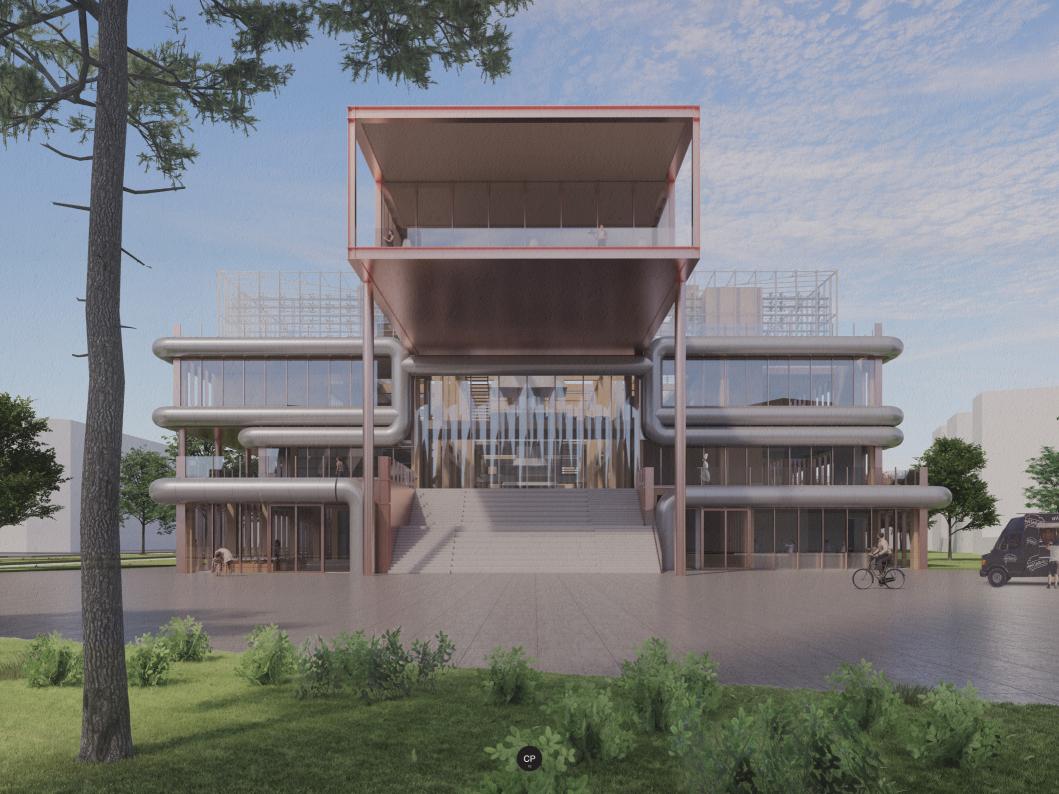
Conclusion

FUTURE PROOF



THANK YOU

















Implementation

SECTION 1-1



Berlin Studio

