

COMPLEX PROJECTS

DRAWING SET

Berlin's Kitchenlab

Pelle Rademakers

18/January/2024

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Sections 1:200

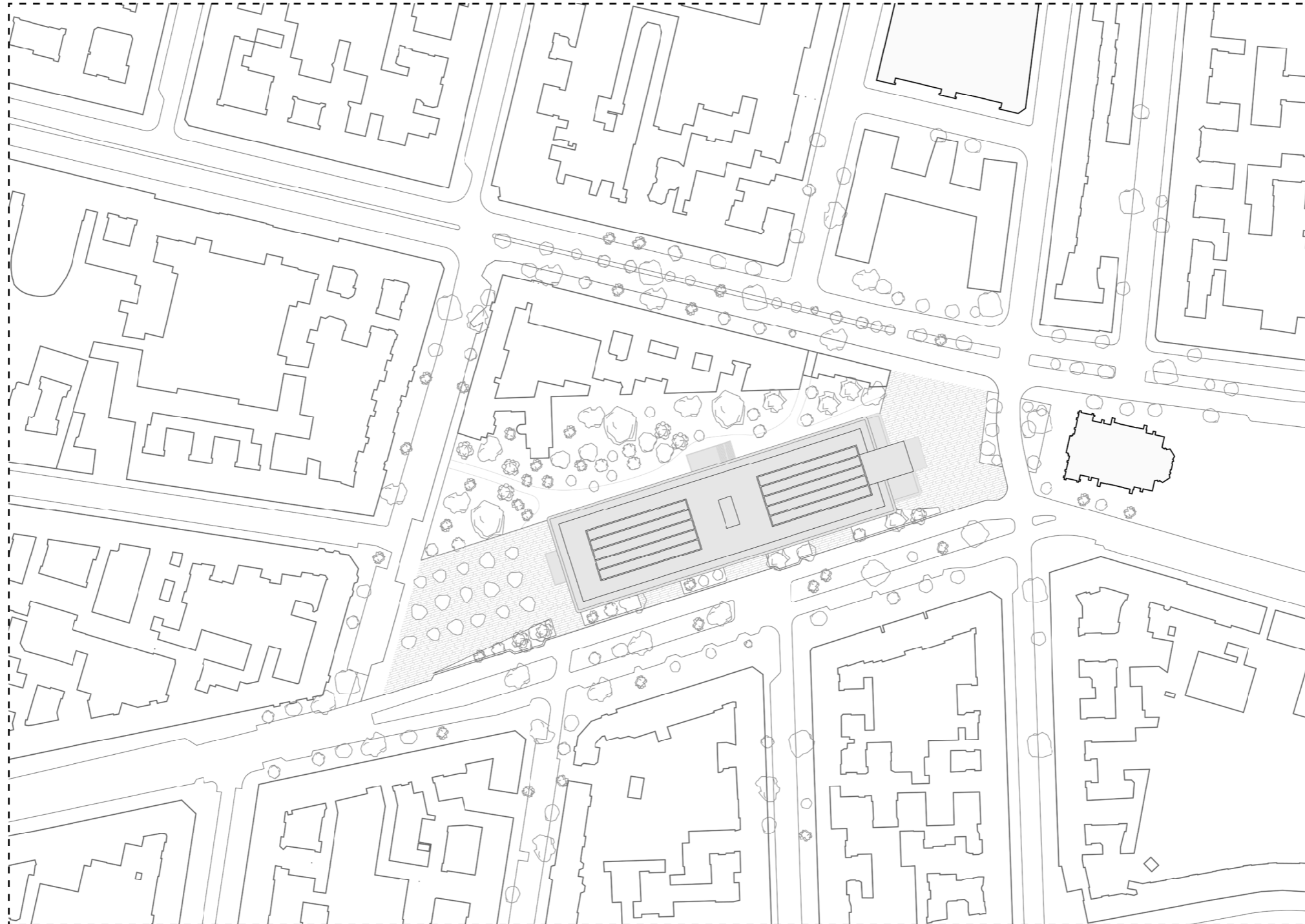
Interior fragment 1:50

Envelop fragment 1:20

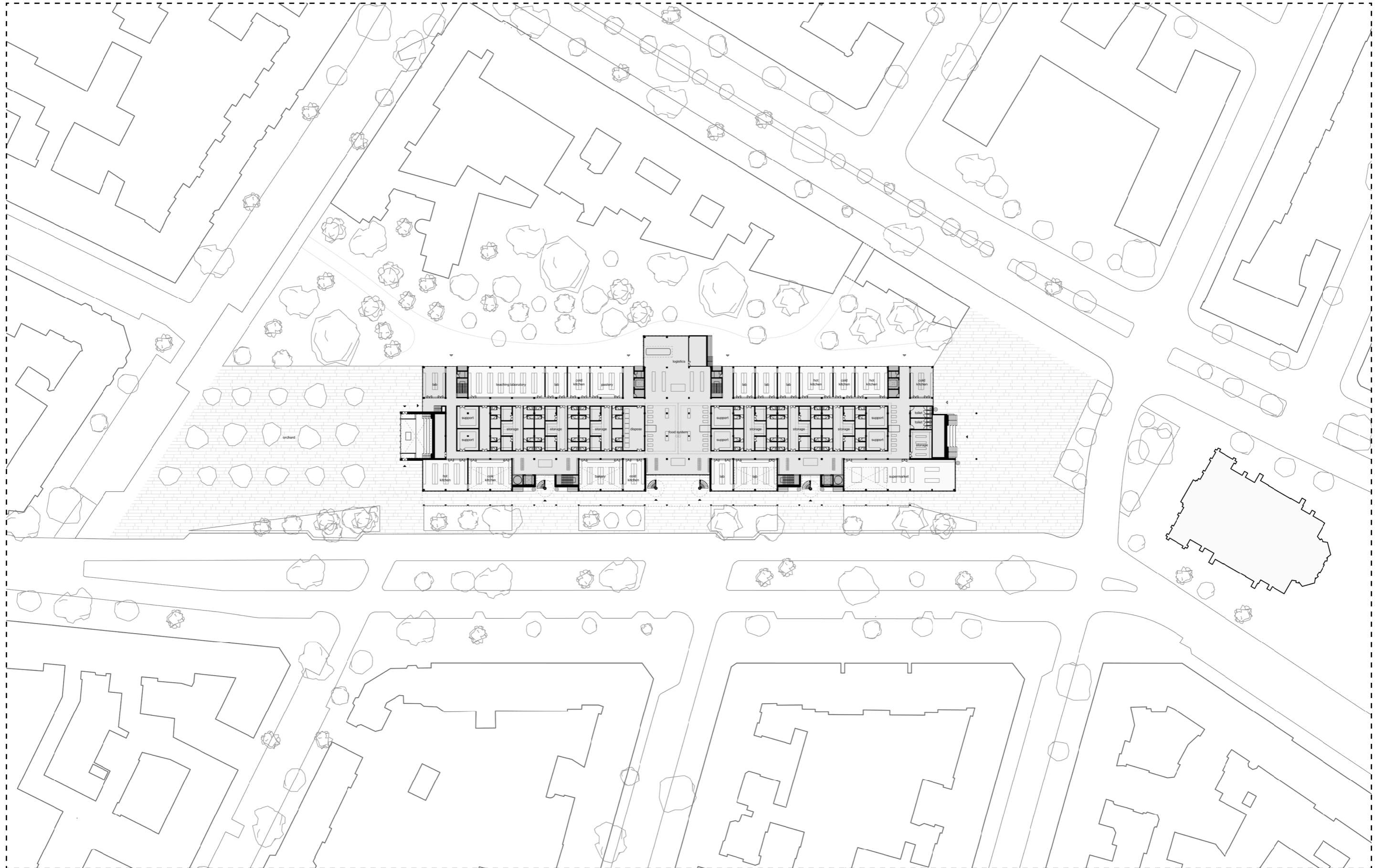
Details 1:5

P5

Berlin's Kitchenlab
SITE PLAN



URBAN IMPLEMENTATION (GROUND FLOOR)



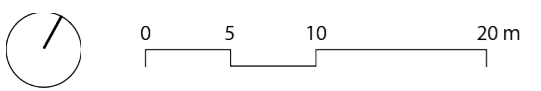
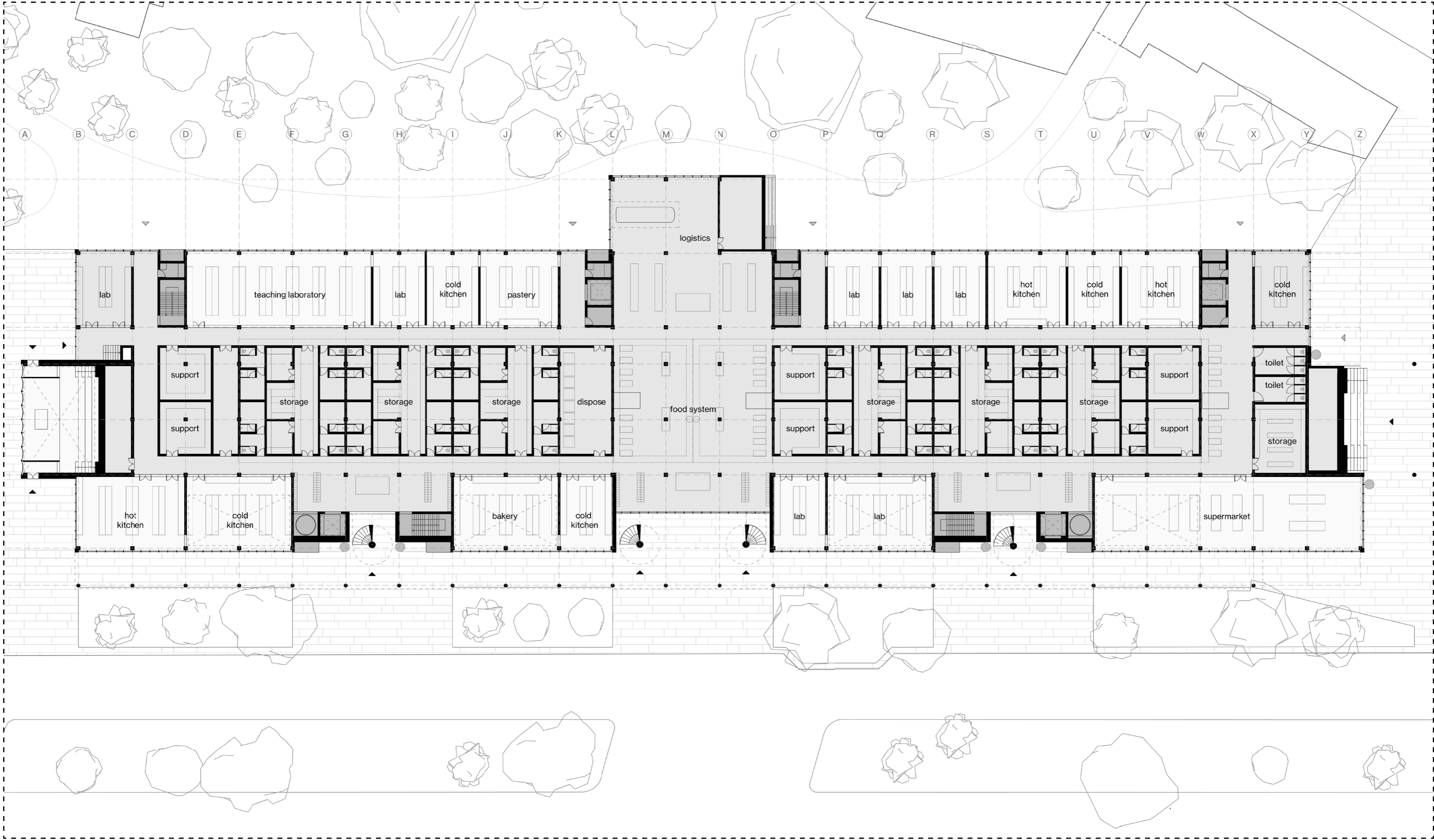
0 10 20 50 m

URBAN IMPLEMENTATION (FIRST FLOOR - STREET)



0 10 20 50 m

Berlin's Kitchenlab
PLAN: GROUND FLOOR (0)



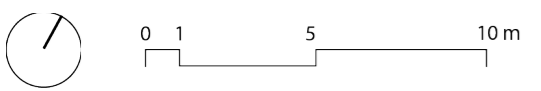
Berlin's Kitchenlab
PLAN: GROUND FLOOR (0)



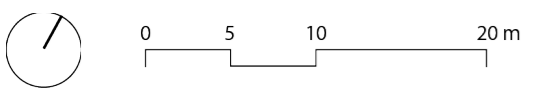
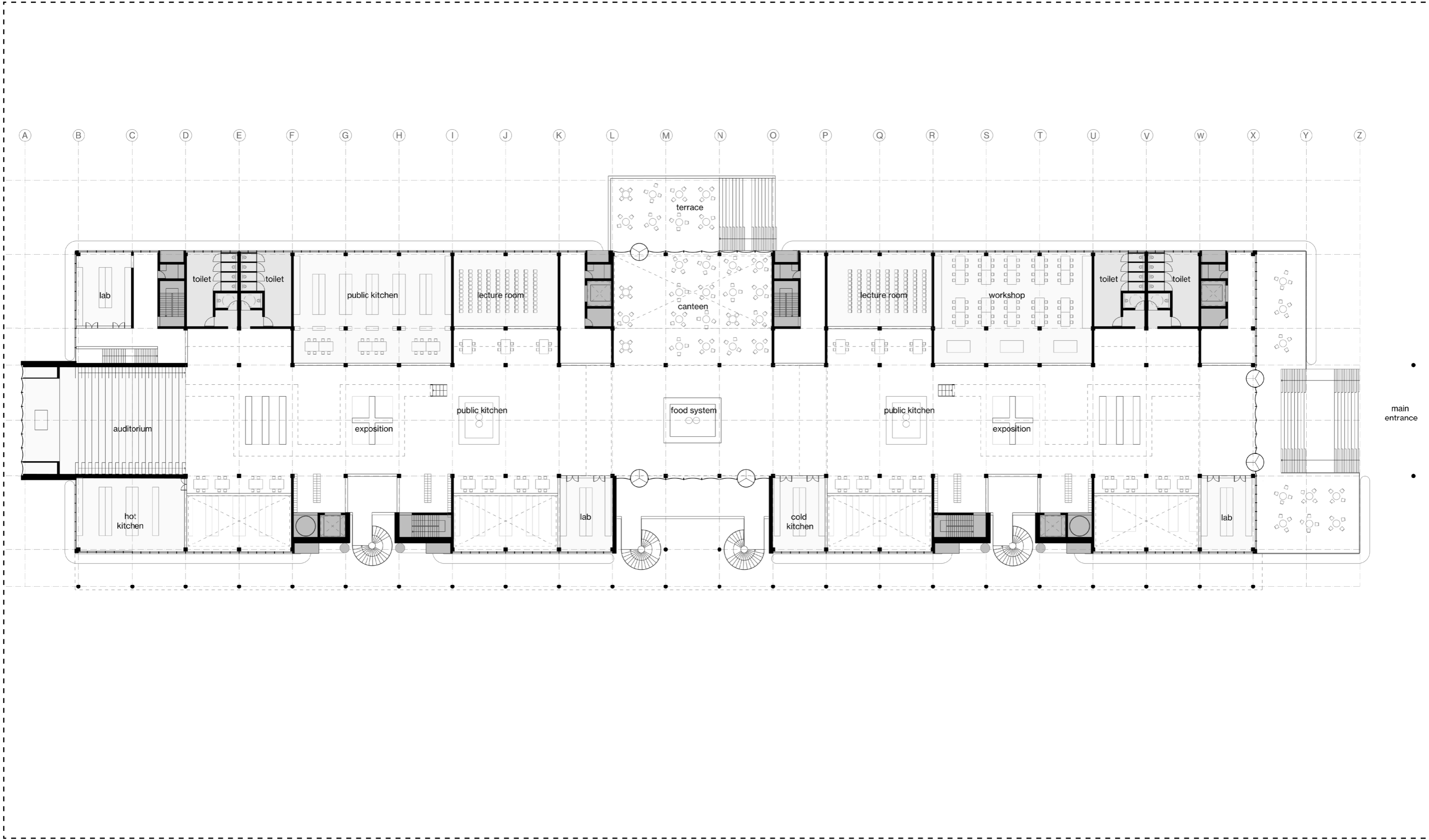
Berlin's Kitchenlab
PLAN: GROUND FLOOR (0)



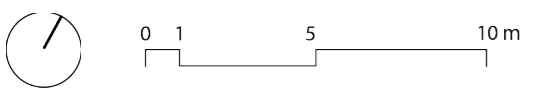
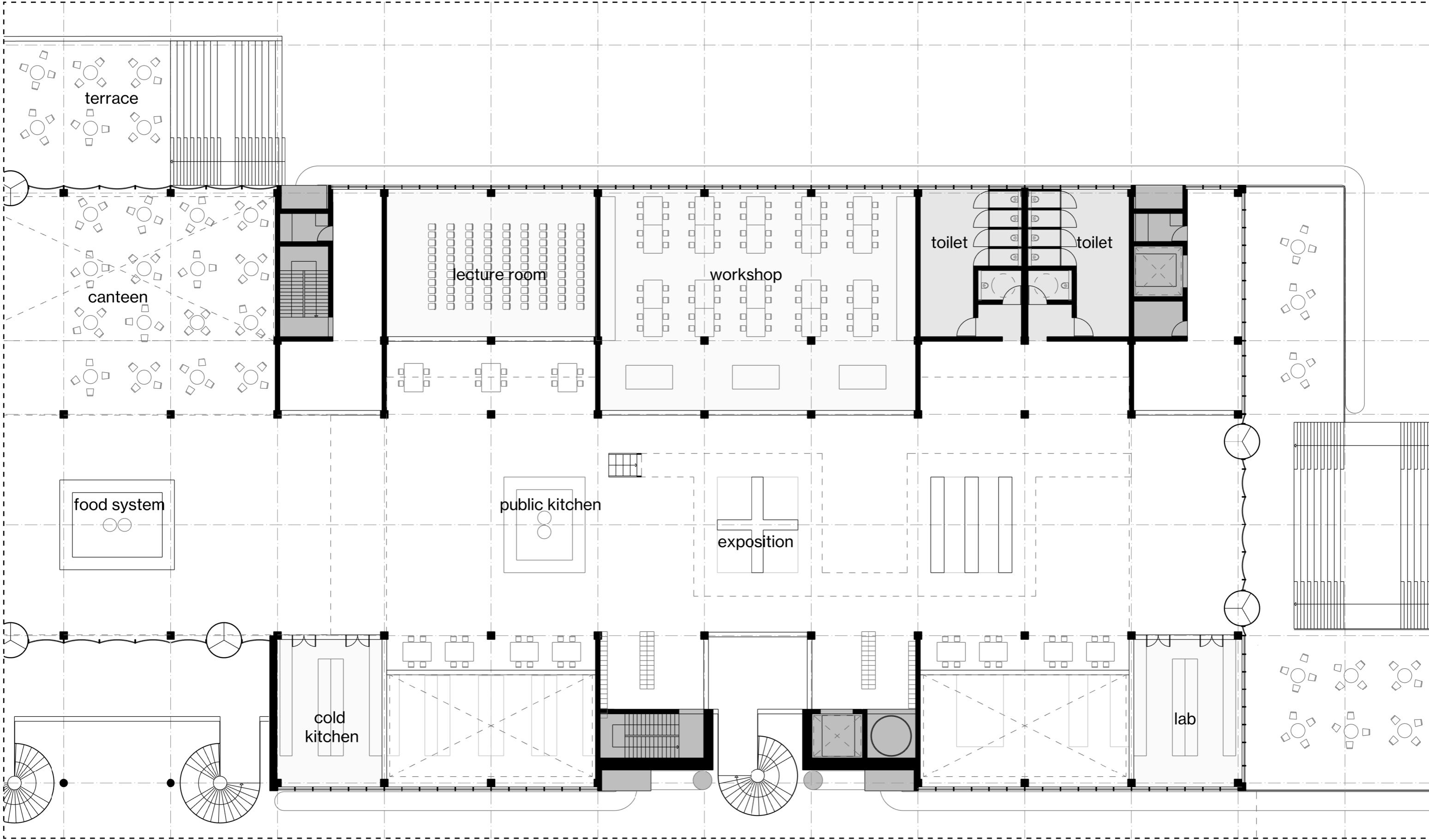
Berlin's Kitchenlab
PLAN: GROUND FLOOR (0)



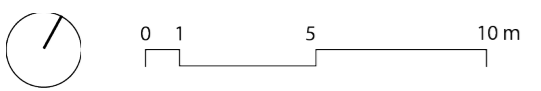
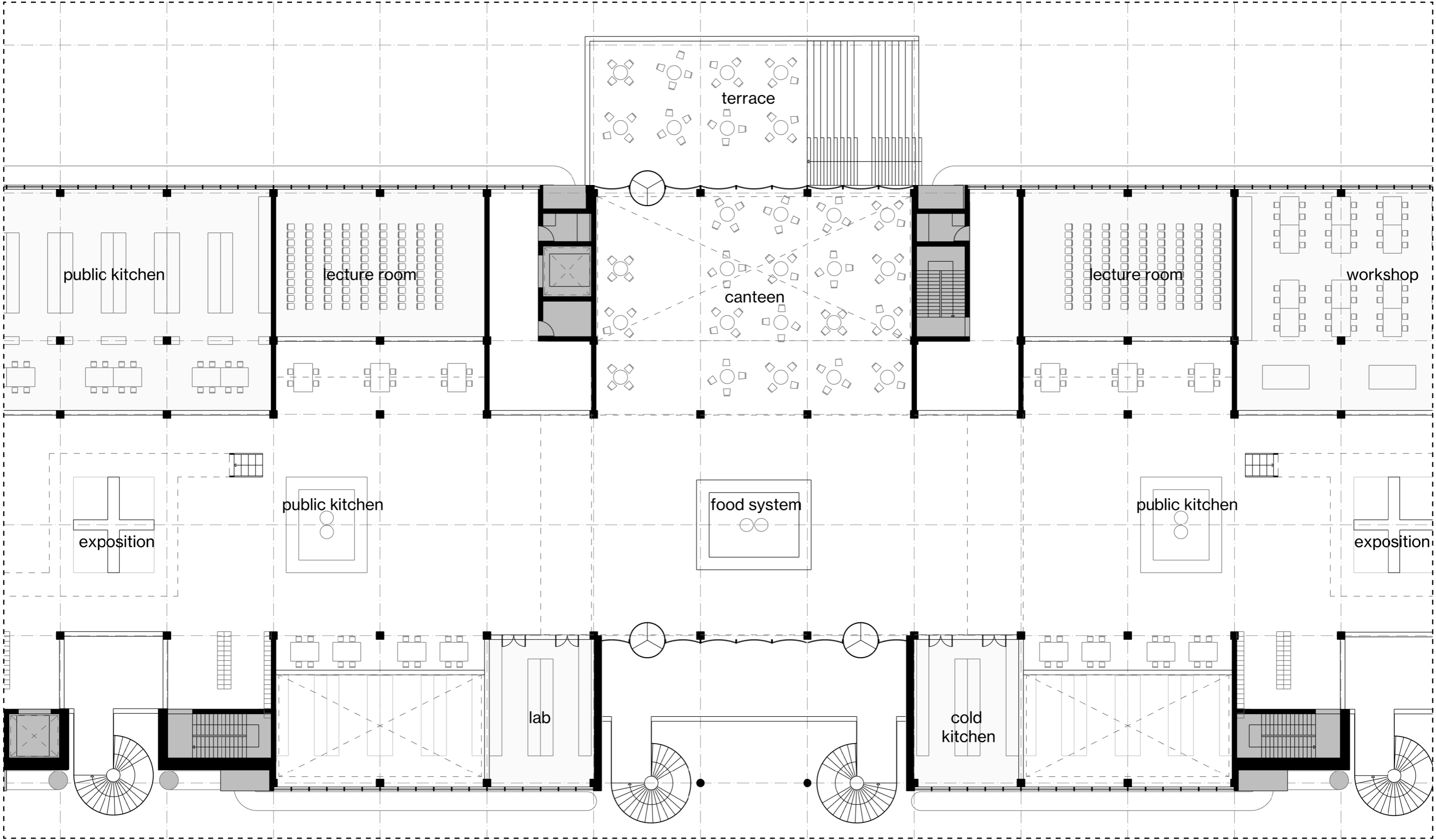
Berlin's Kitchenlab
PLAN: FIRST FLOOR (+1)



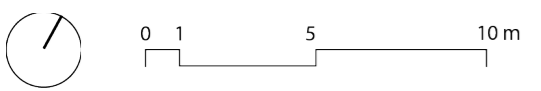
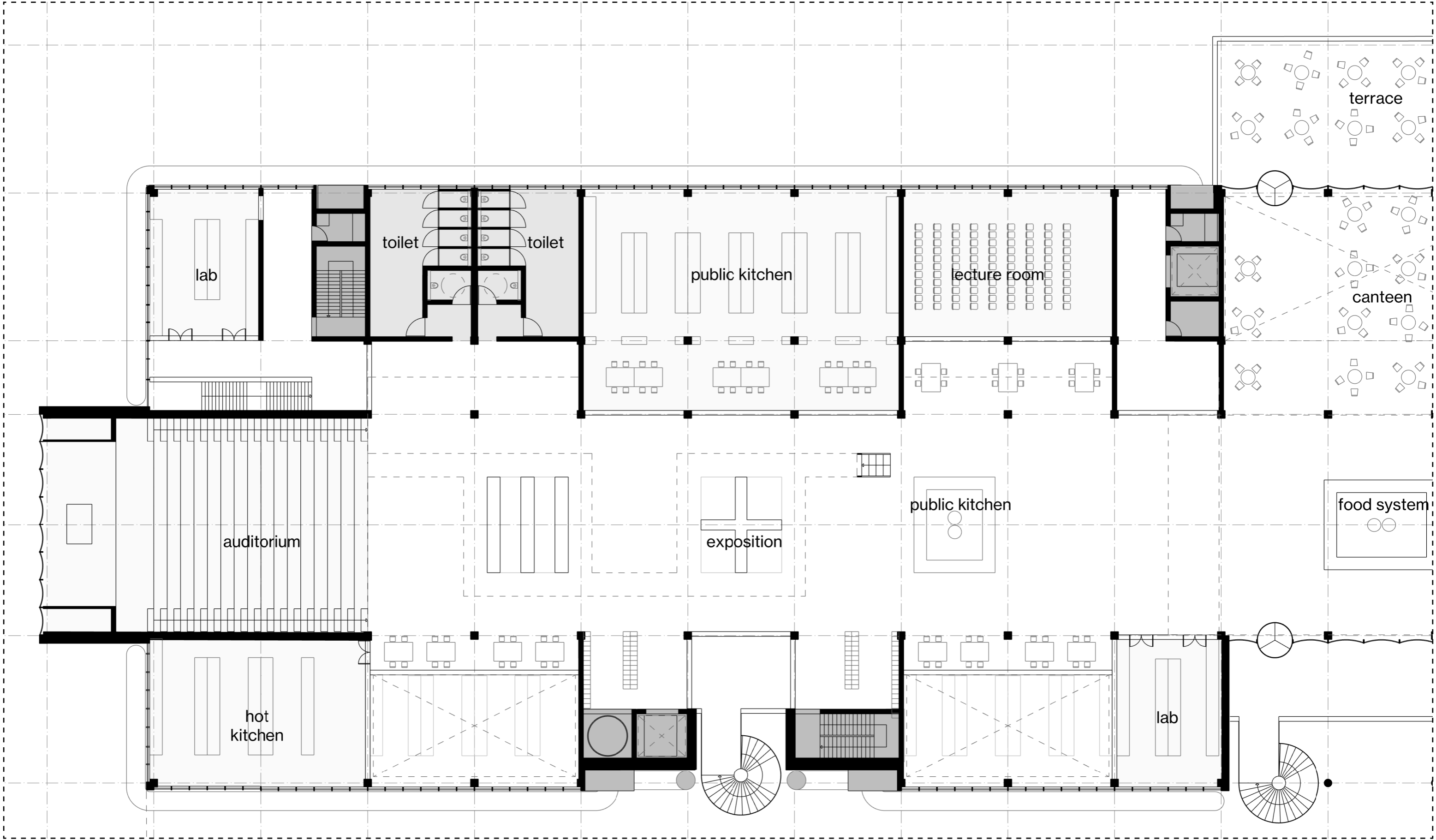
Berlin's Kitchenlab
PLAN: FIRST FLOOR (+1)



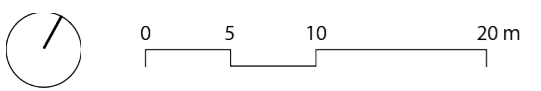
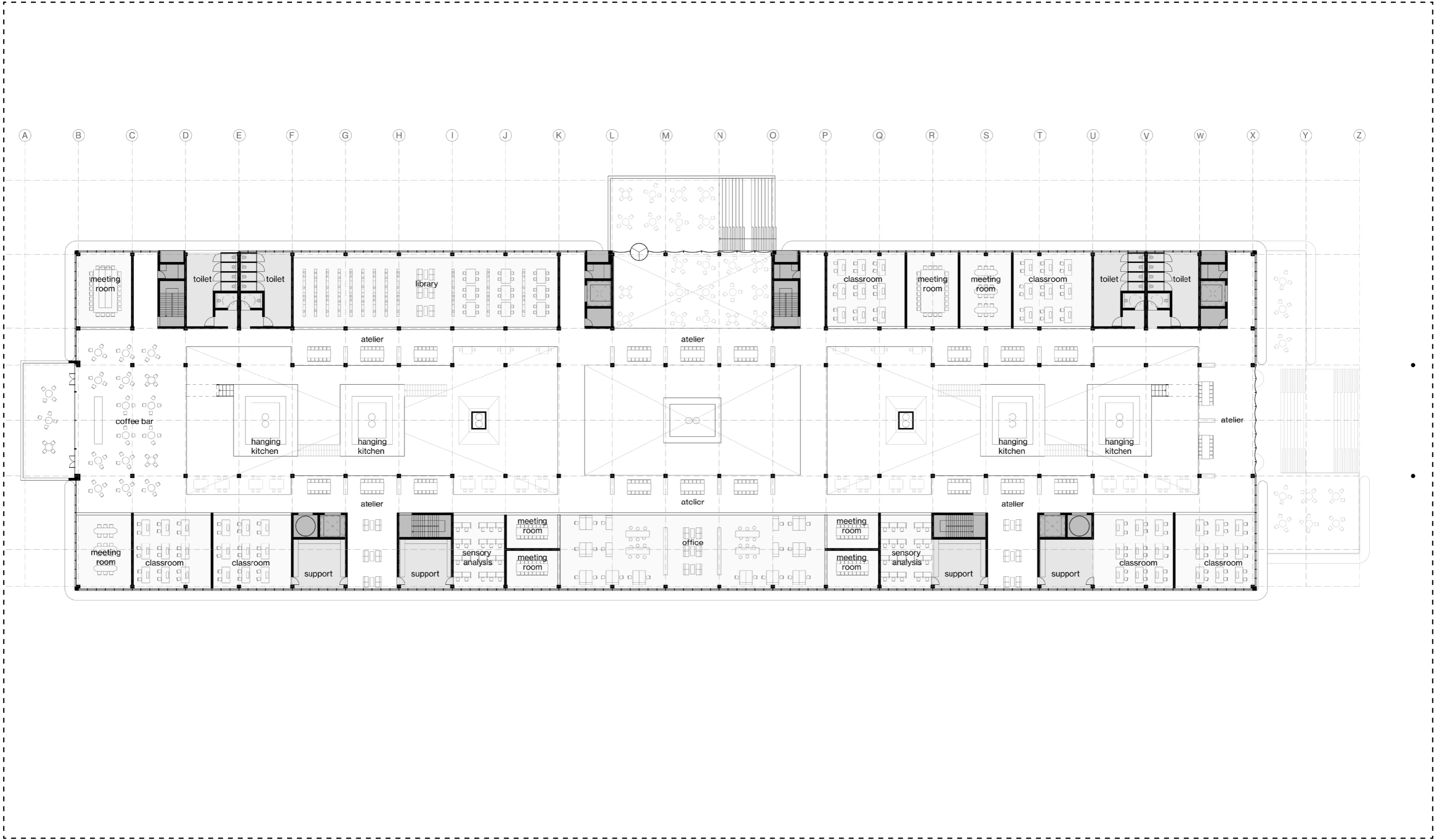
Berlin's Kitchenlab
PLAN: FIRST FLOOR (+1)



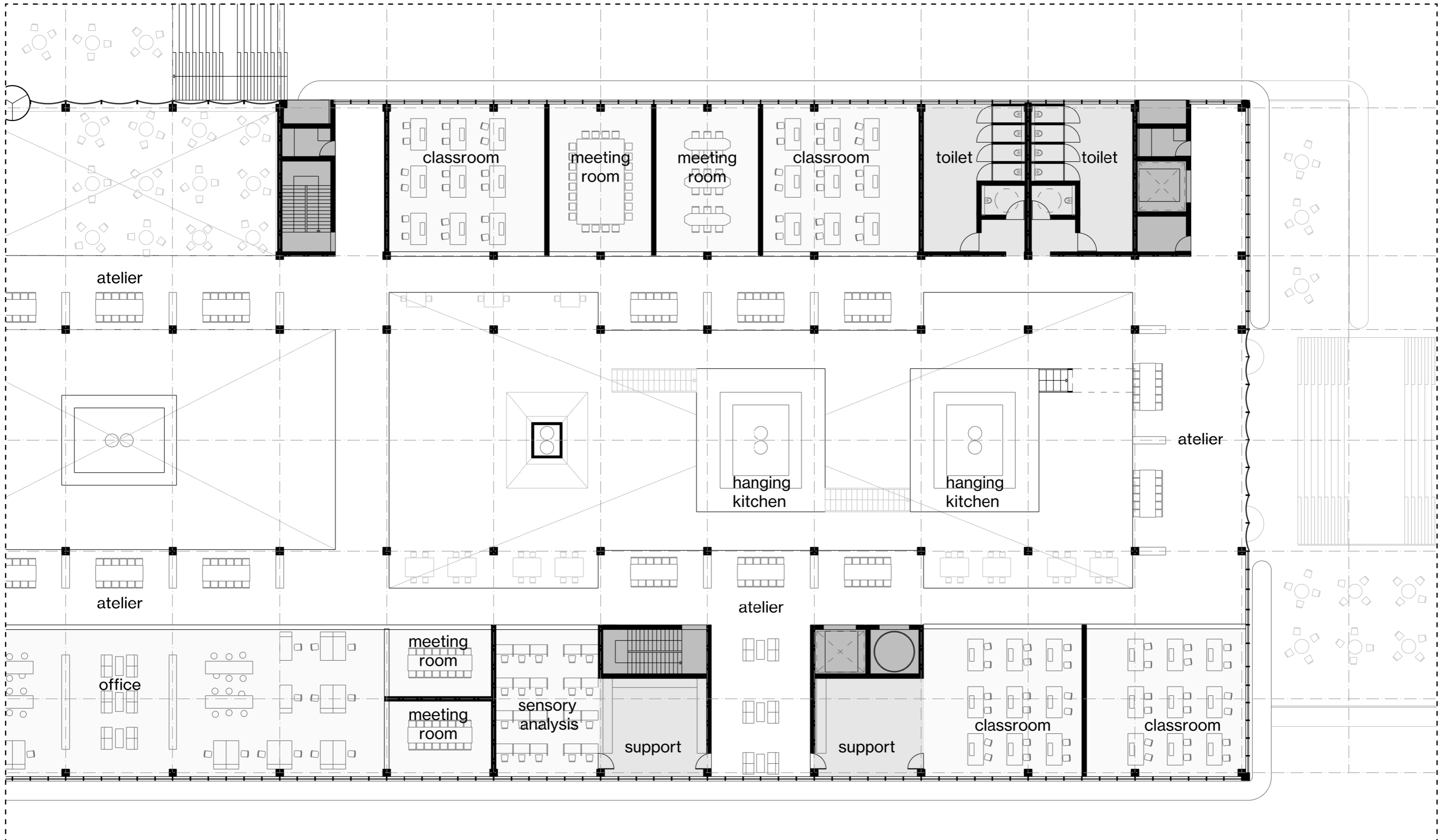
Berlin's Kitchenlab
PLAN: FIRST FLOOR (+1)



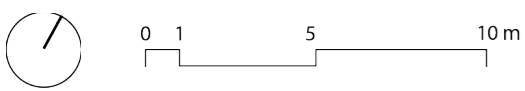
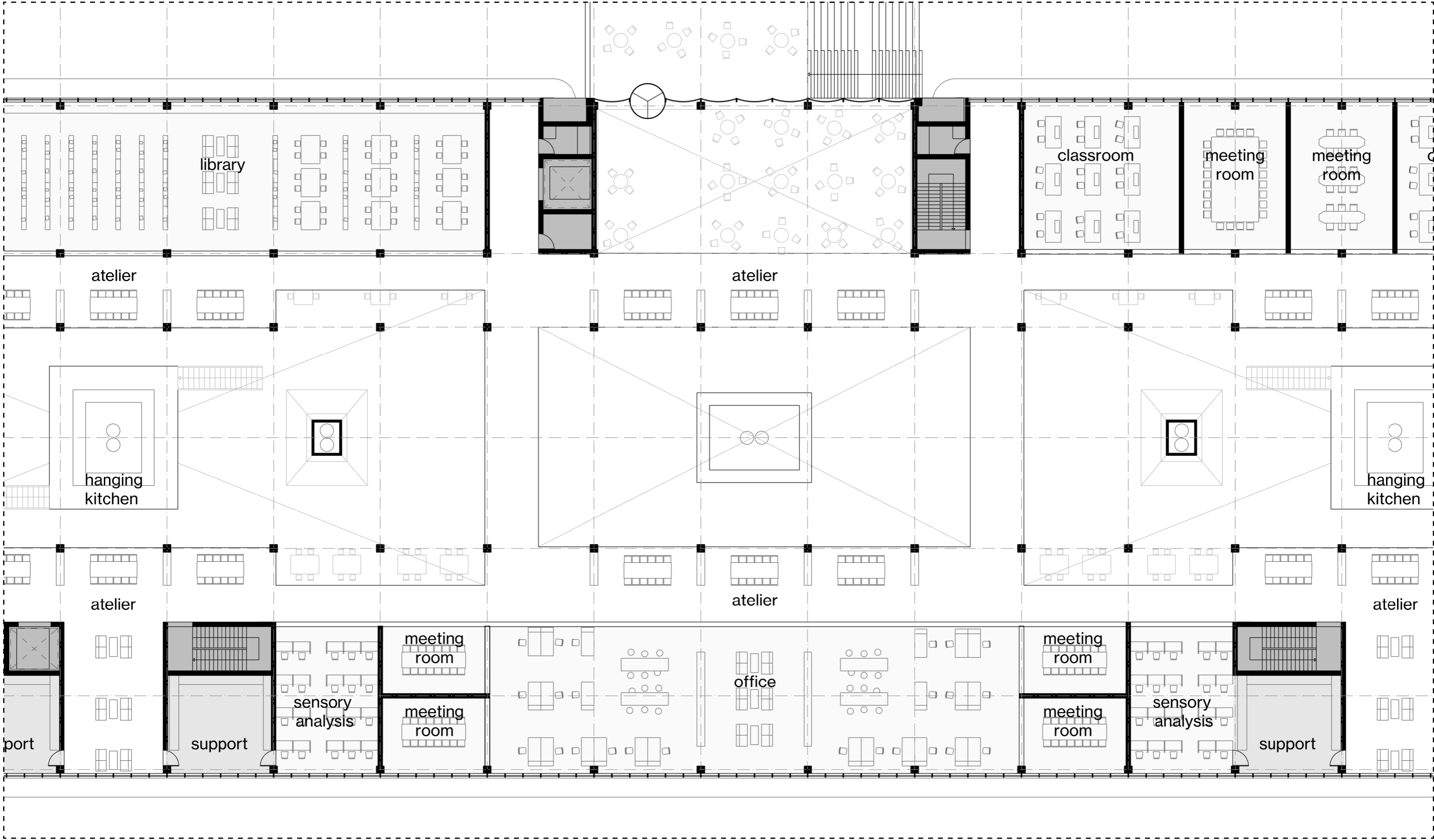
Berlin's Kitchenlab
PLAN: SECOND FLOOR (+2)



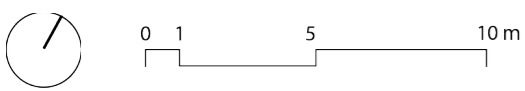
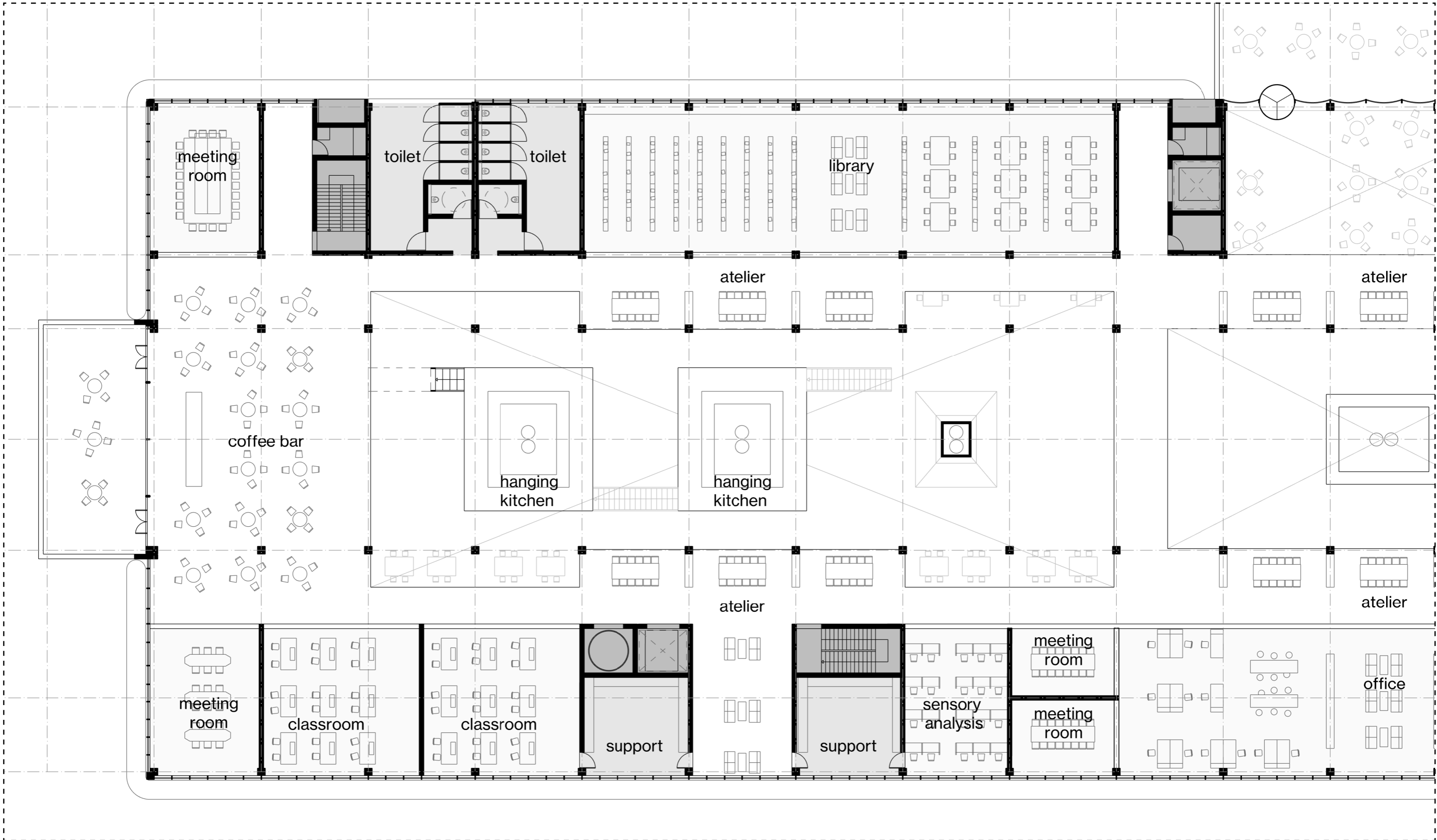
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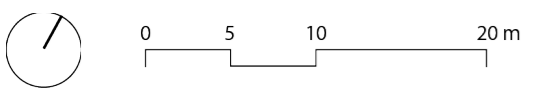
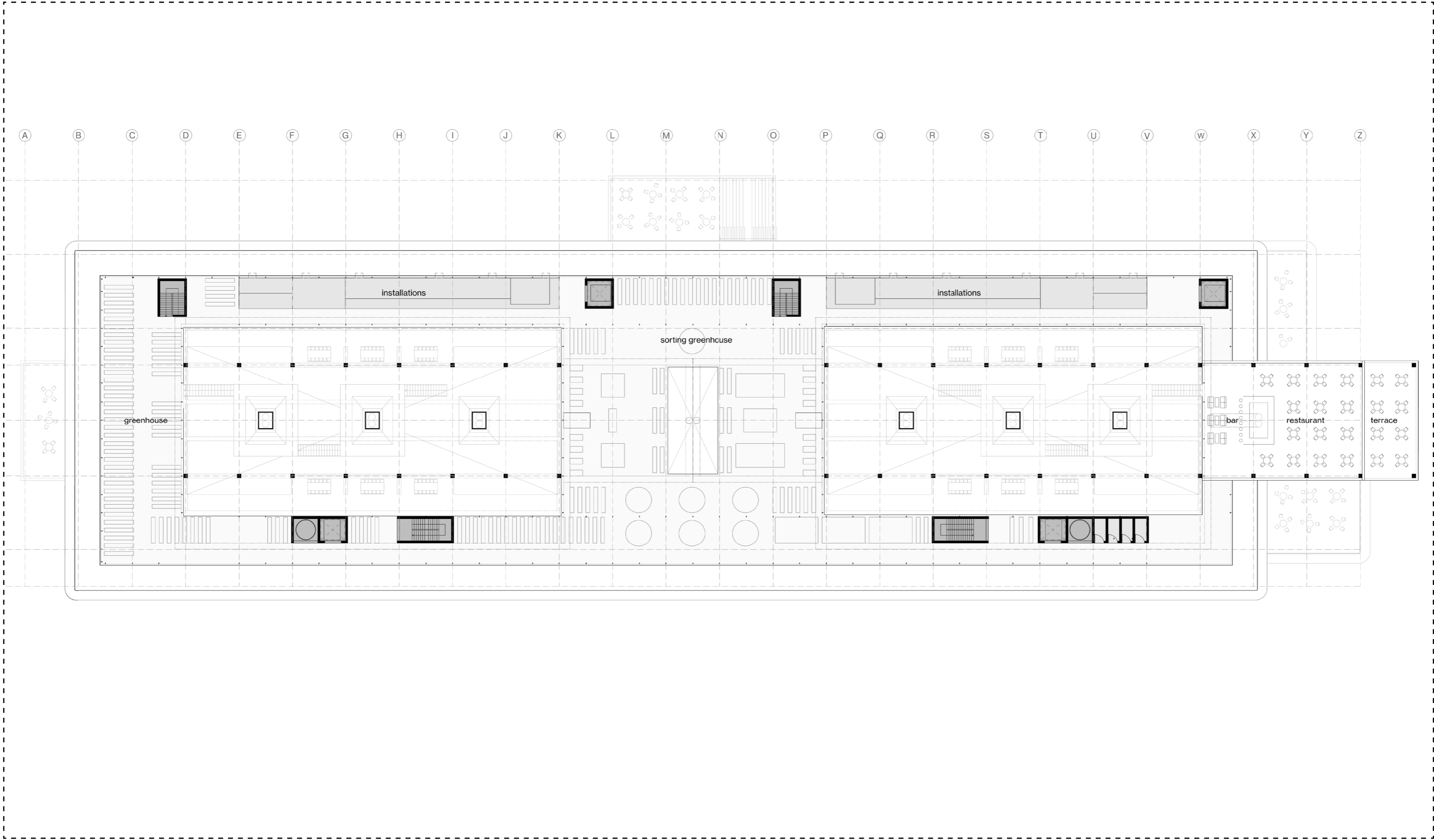
Berlin's Kitchenlab
PLAN: SECOND FLOOR (+2)



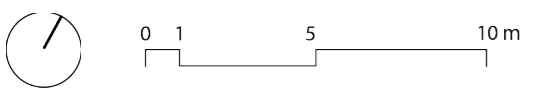
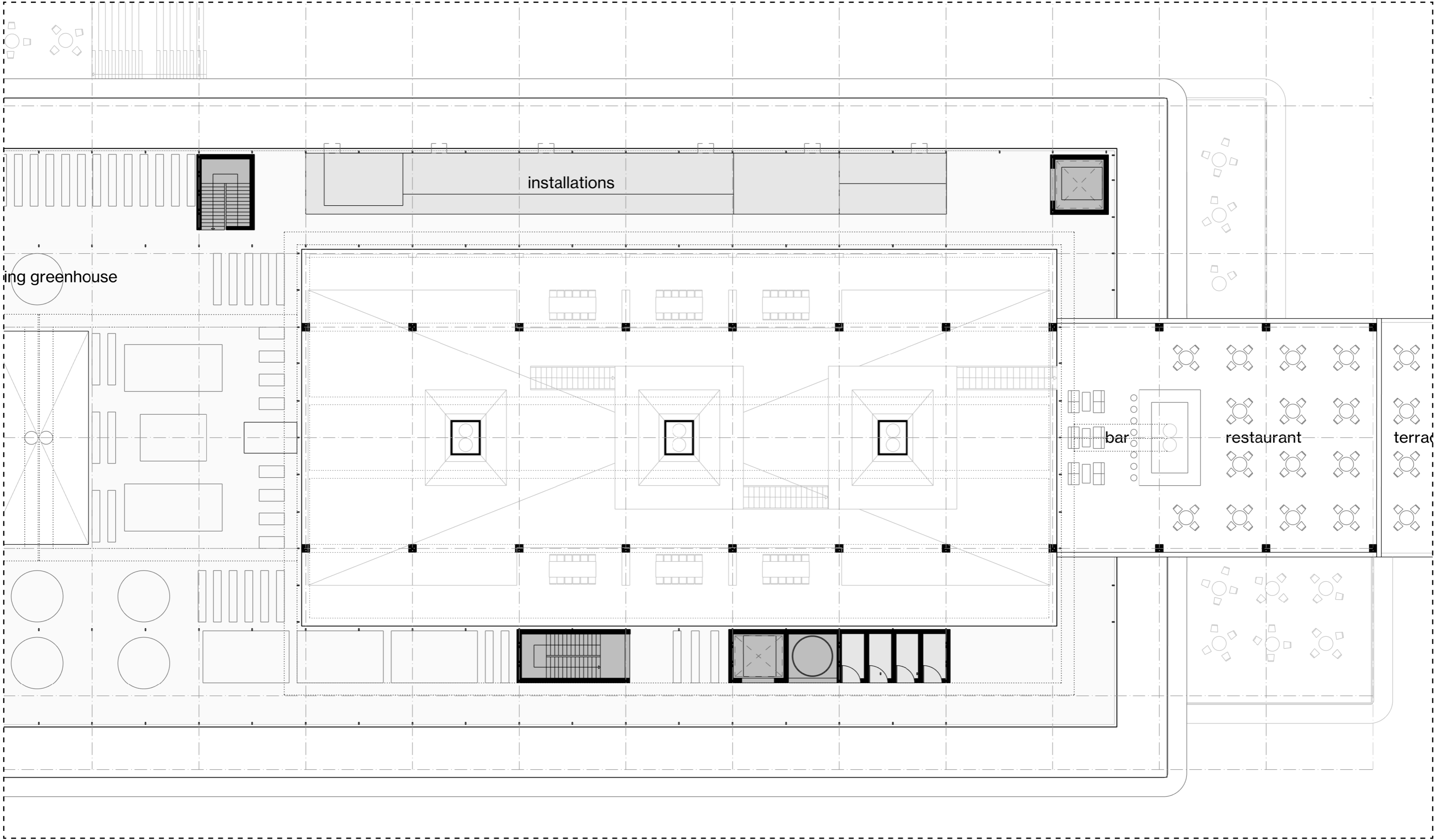
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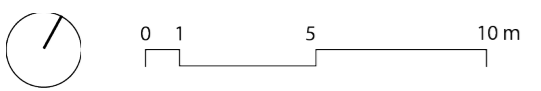
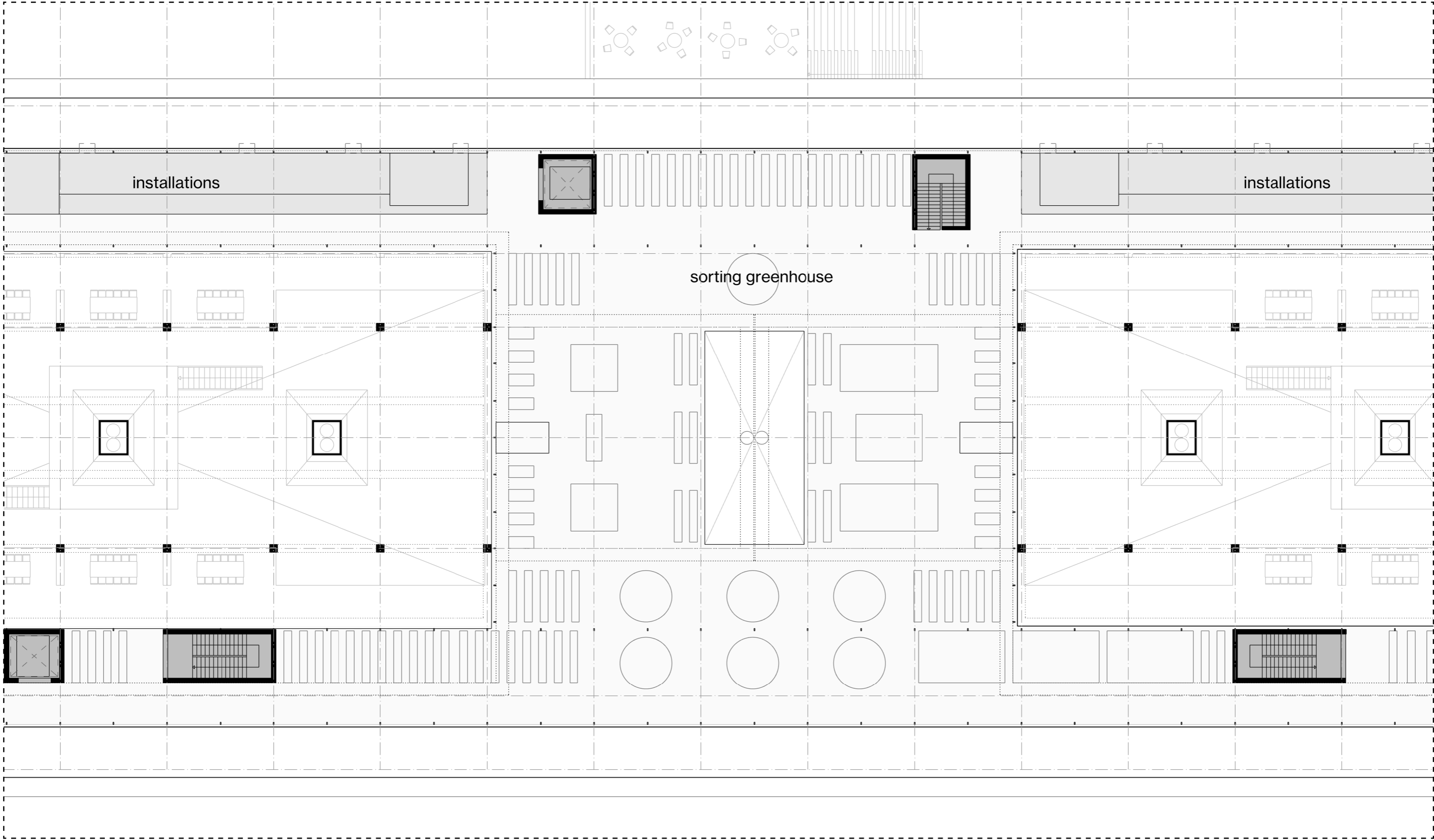
Berlin's Kitchenlab
PLAN: THIRD FLOOR (+3)



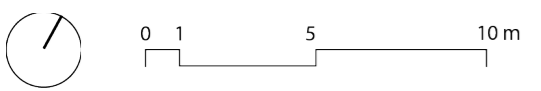
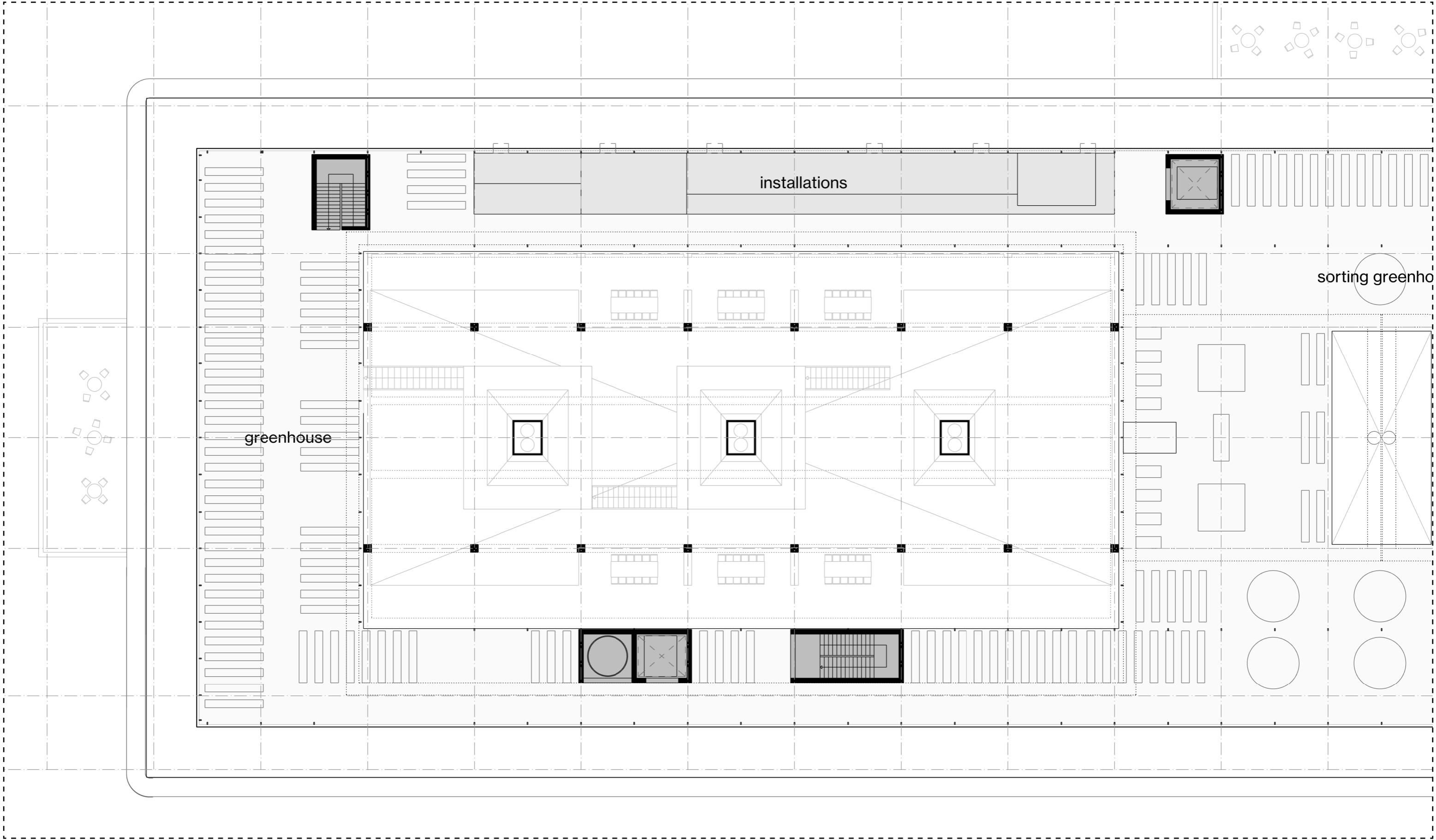
Berlin's Kitchenlab
PLAN: THIRD FLOOR (+3)



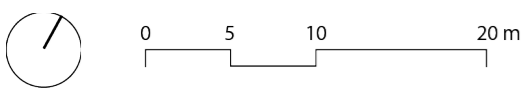
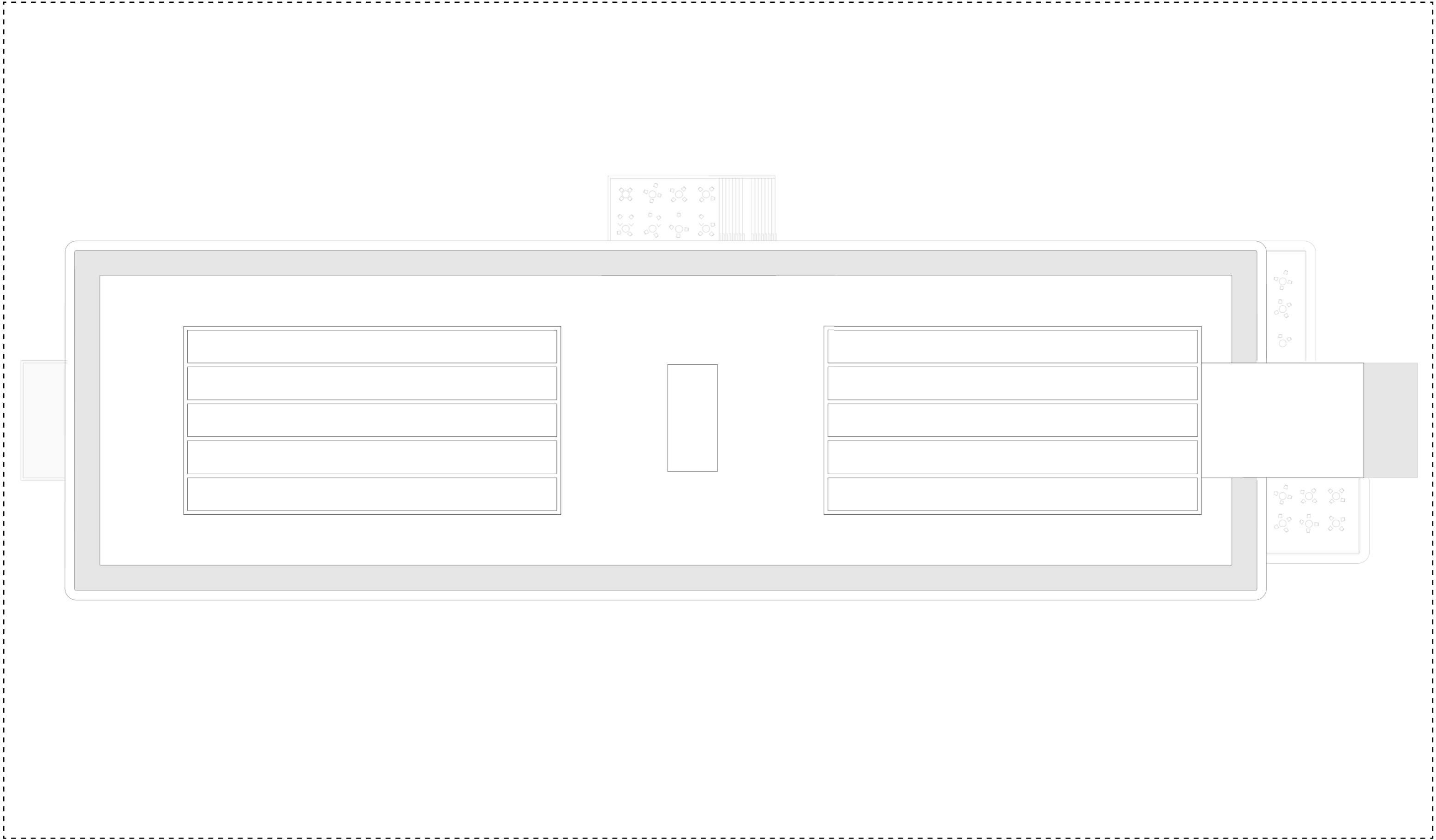
Berlin's Kitchenlab
PLAN: THIRD FLOOR (+3)



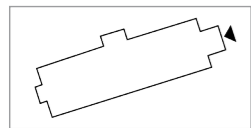
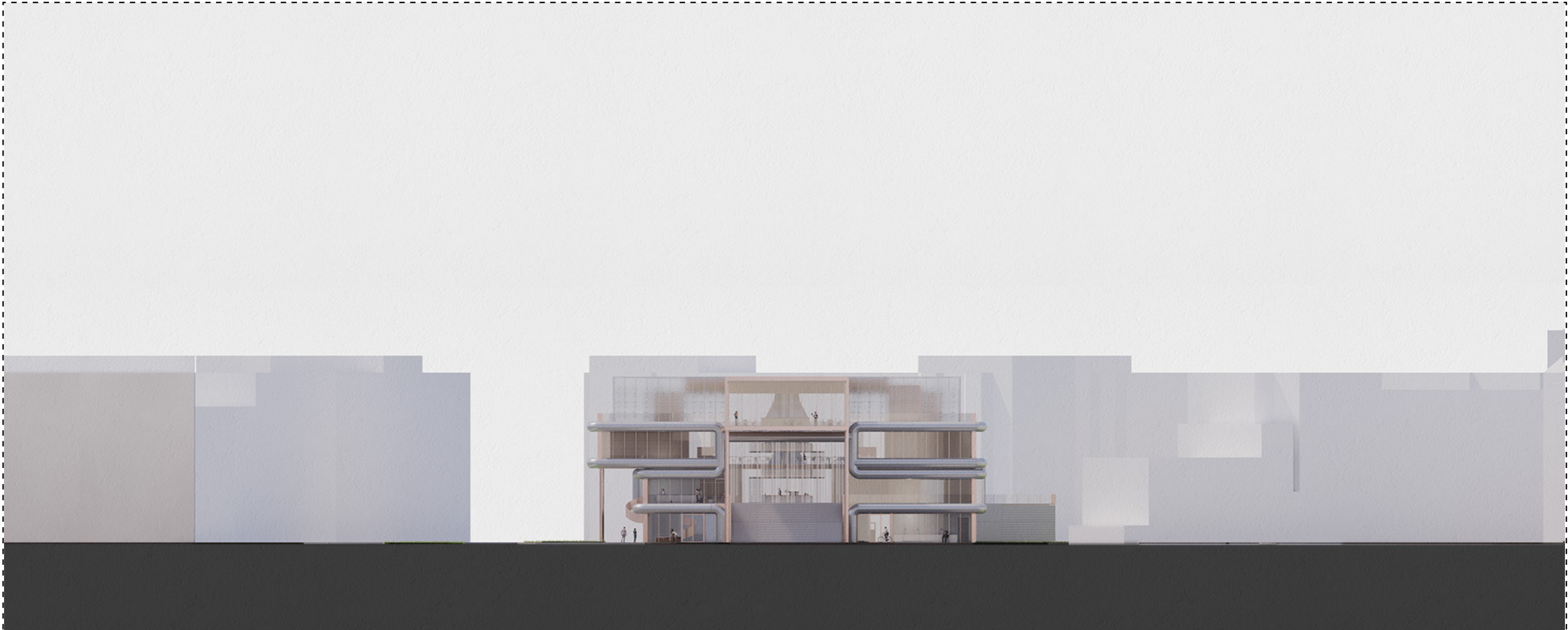
Berlin's Kitchenlab
PLAN: THIRD FLOOR (+3)



Berlin's Kitchenlab
PLAN: ROOF

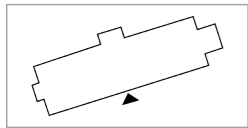
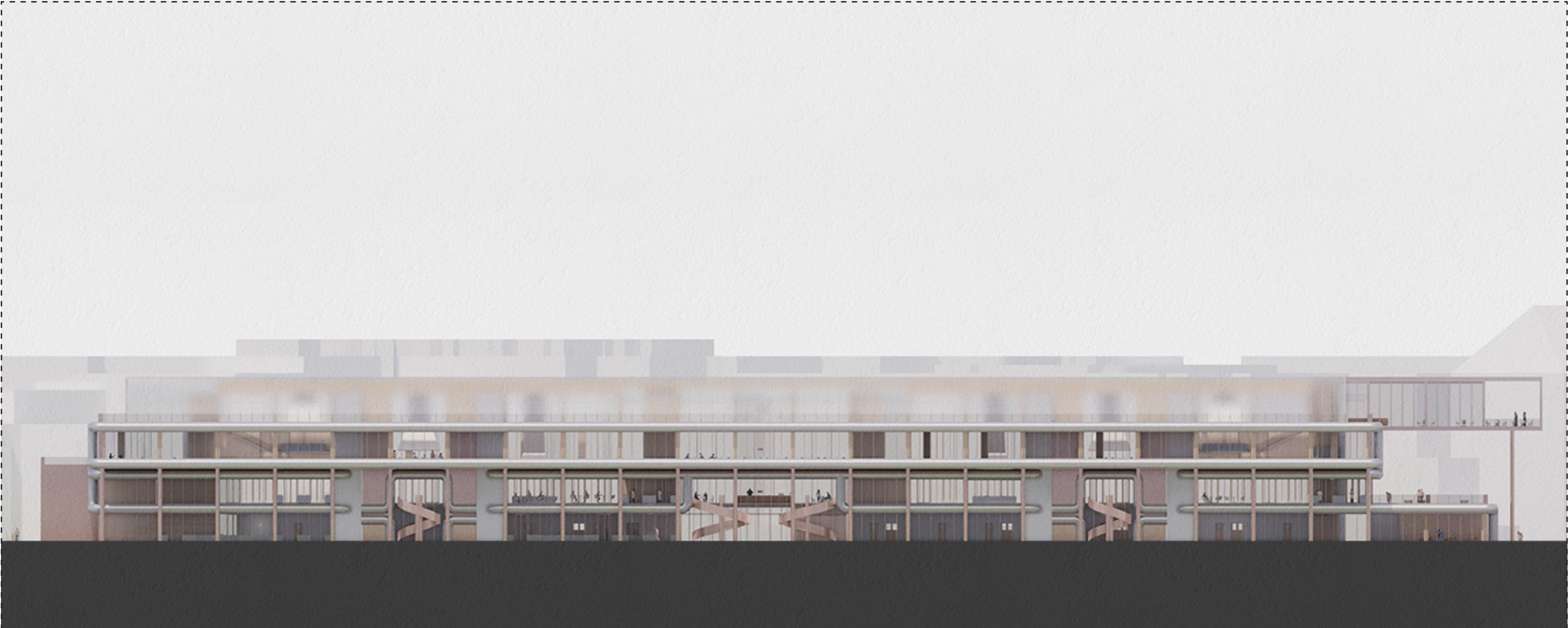


Berlin's Kitchenlab
ELEVATION: FRONT (EAST)



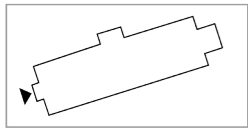
0 5 10 20 m

Berlin's Kitchenlab
ELEVATION: STREET (SOUTH)



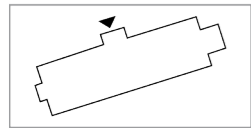
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Berlin's Kitchenlab
ELEVATION: BACK (WEST)



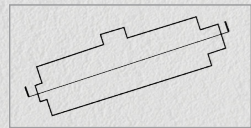
0 5 10 20 m

Berlin's Kitchenlab
ELEVATION: PARK (NORTH)



0 5 10 20 m

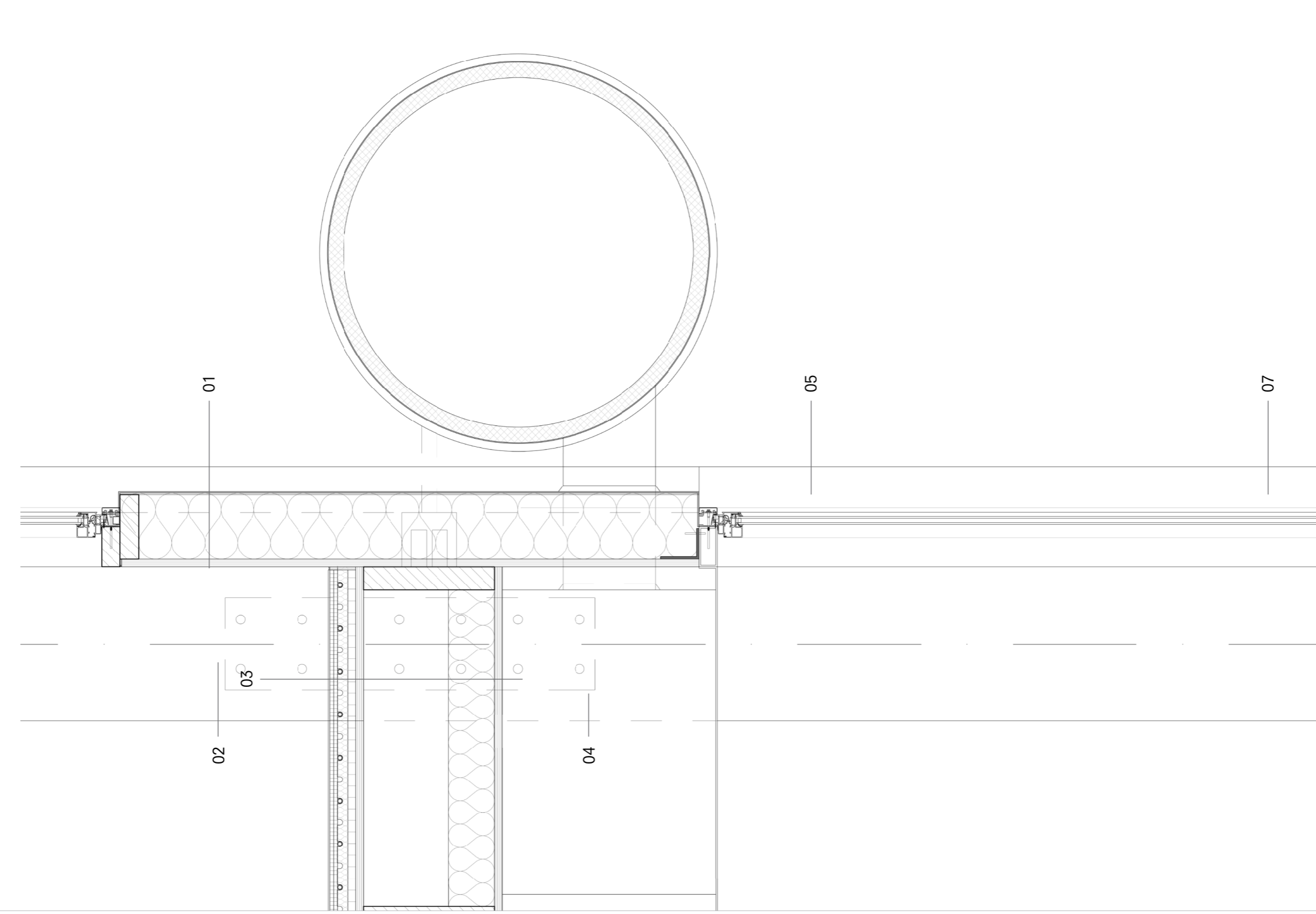
Berlin's Kitchenlab
SECTION 1-1



0 5 10 20 m

DETAIL 2: MAIN FACADE PRINCIPLE

MAIN FACADE PRINCIPLE level 1



01 facade (left - right)
 - multiplex interior quality
 - vapour control barrier
 - insulation
 - steel curtain wall construction
 - water proof barrier
 - aluminium sheet

02 structure
 - over dimensioned CLT beam 500 x 500 mm
 - dry steel bold connection

03 floor (top - bottom)
 - PVC adhesive floor
 - adhesive tape
 - gypsum sheets 2 x 12,5 mm
 - dry floor heating
 - heat proof plate
 - insulaiton
 - cardboard honey comb filled with dry levelling compound
 - over dimensioned kerto ripa element with acoustic ceiling

04 installation
 - Enjay heavy duty heat exchanger (made for polluted air)
 - local pollution control unit
 - grease collection

05 insulated ventilation duct housing

07 aluminium curtain wall with extended vertical mullions

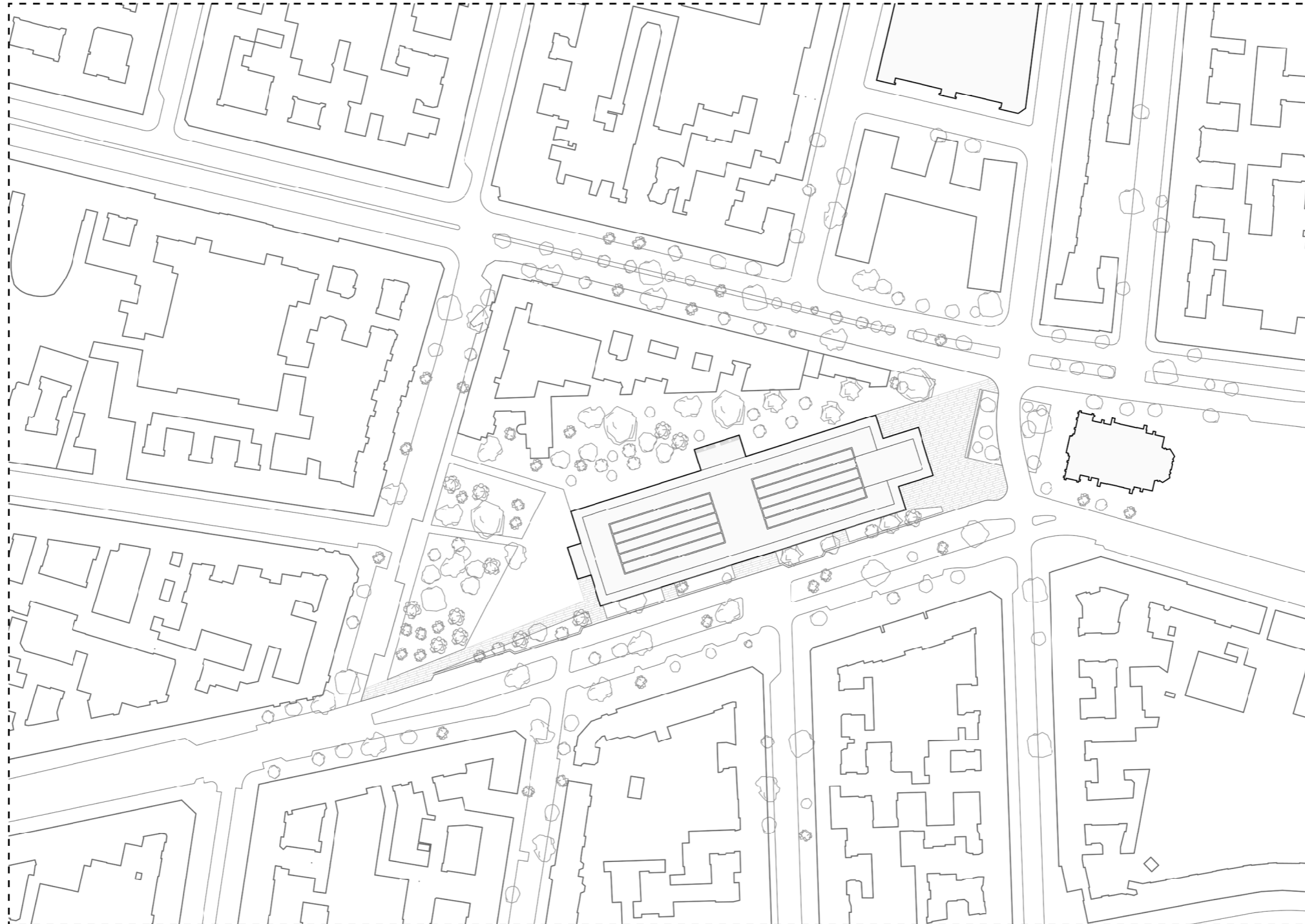
P4

Berlin's Kitchenlab
GROUP SITE PLAN

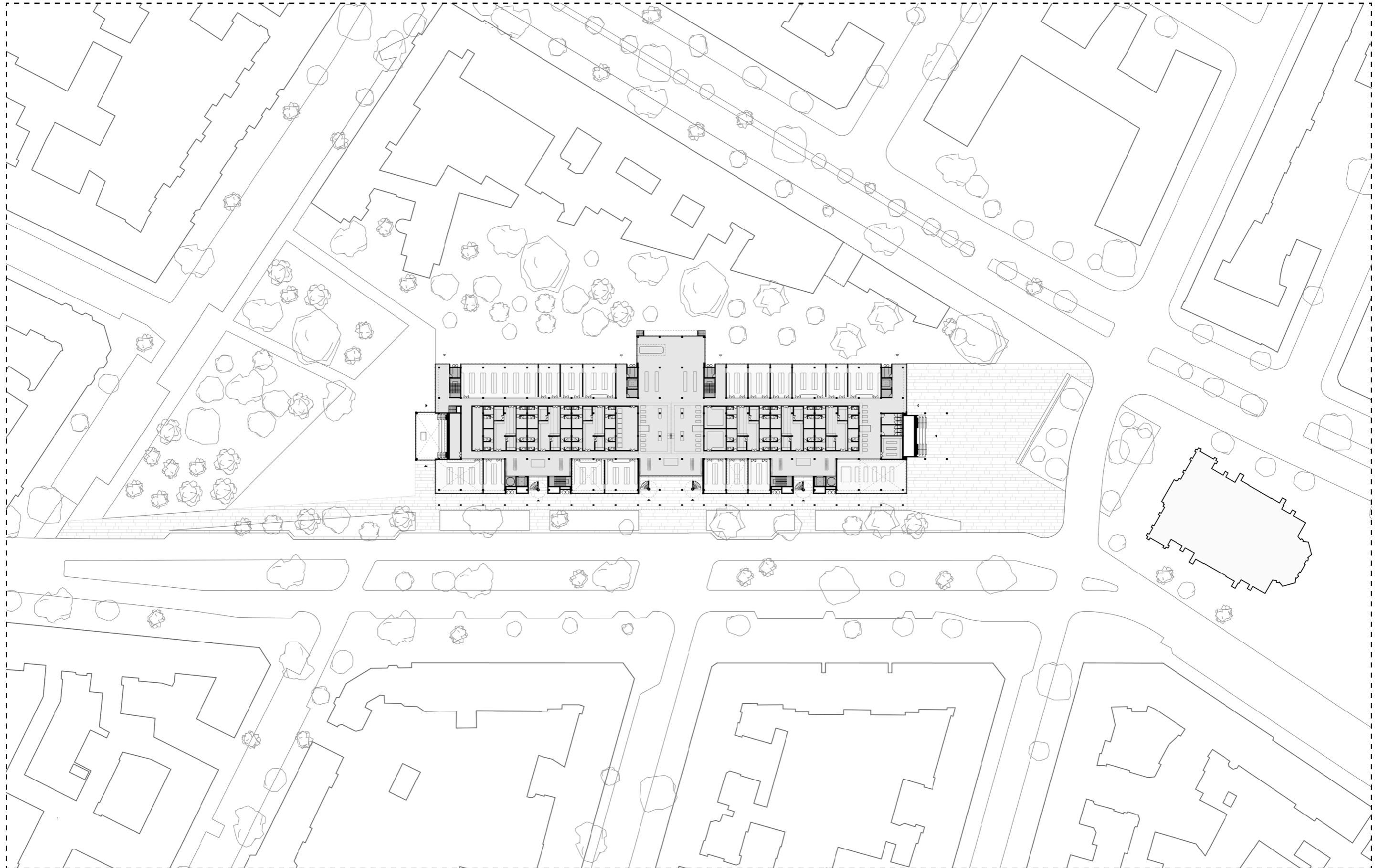


0 2.5 5 10 km

Berlin's Kitchenlab
SITE PLAN

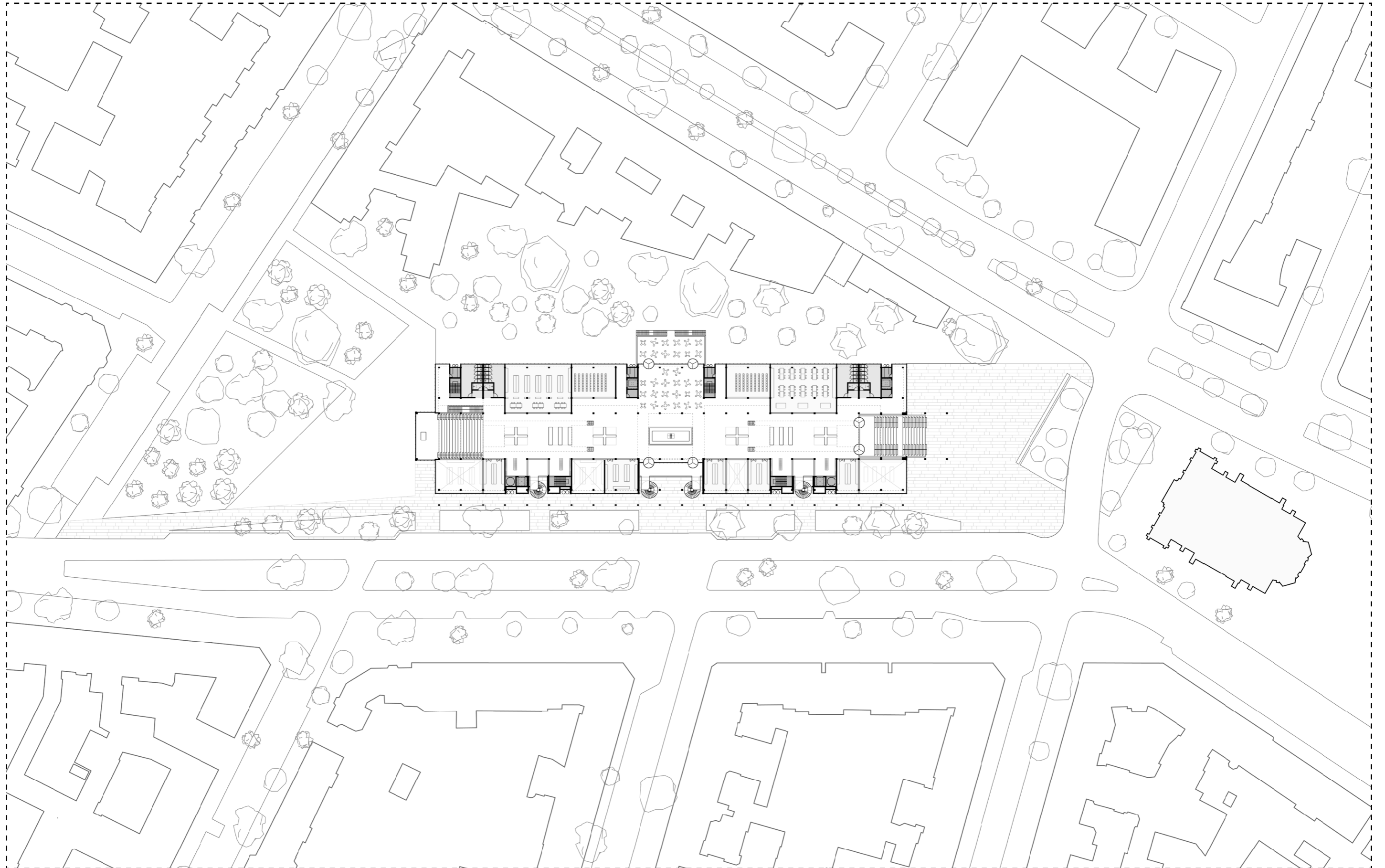


URBAN IMPLEMENTATION (GROUND FLOOR)



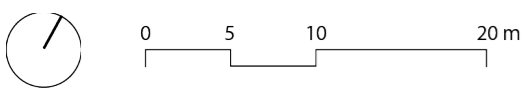
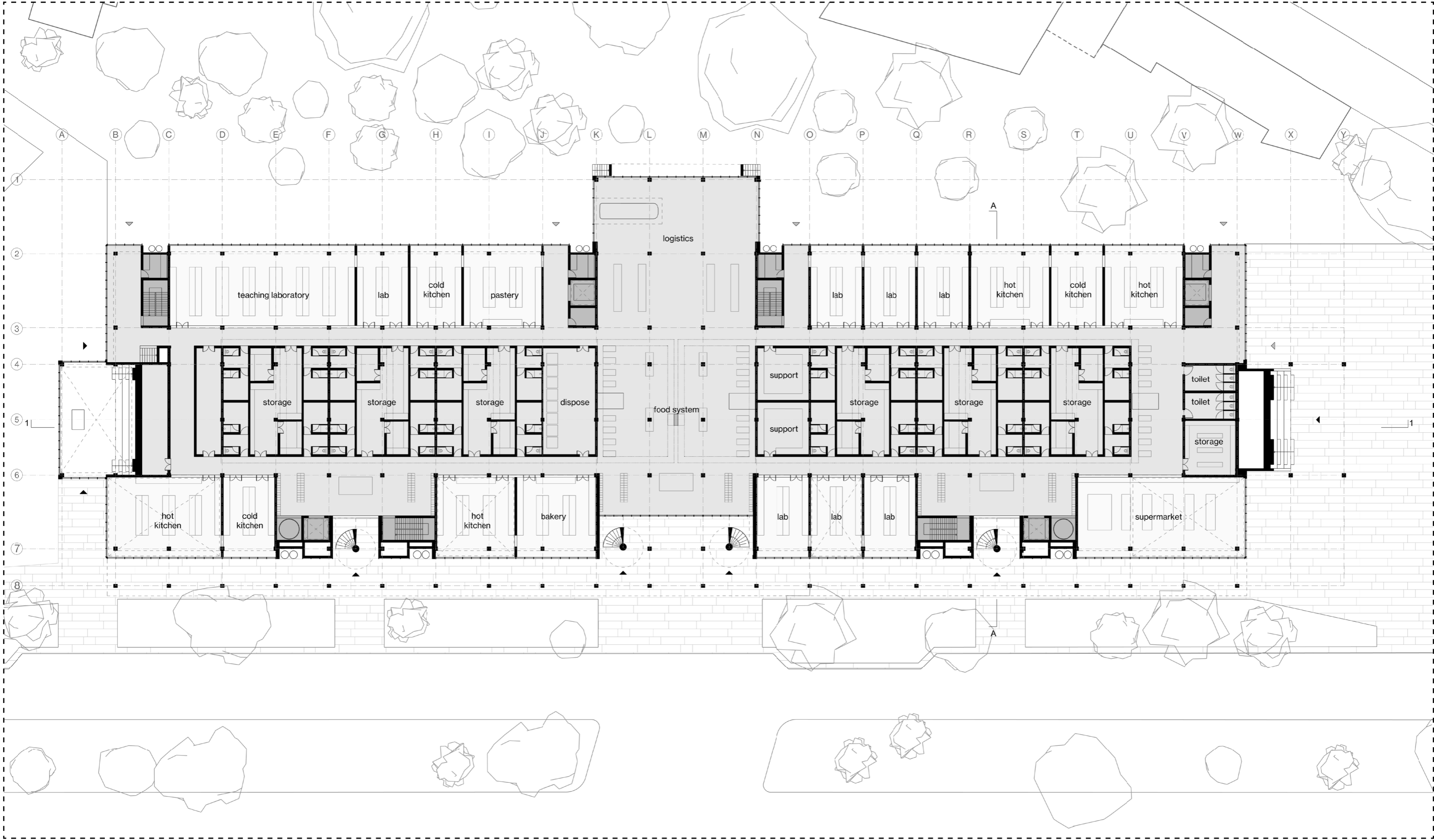
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URBAN IMPLEMENTATION (FIRST FLOOR - STREET)



0 10 20 50 m

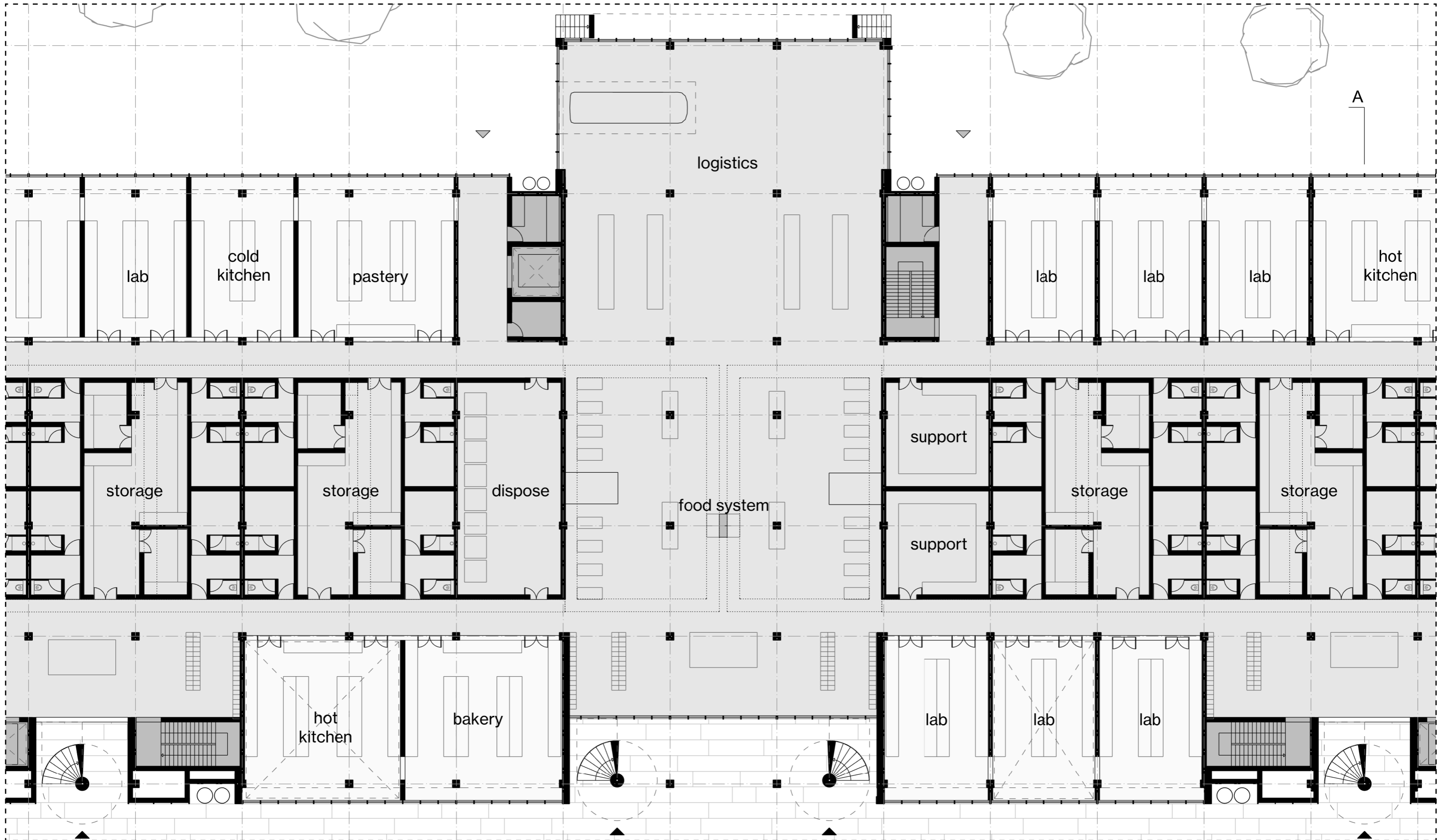
Berlin's Kitchenlab
PLAN: GROUND FLOOR (0)



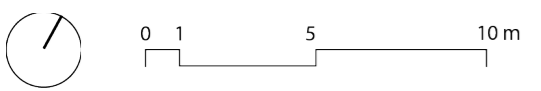
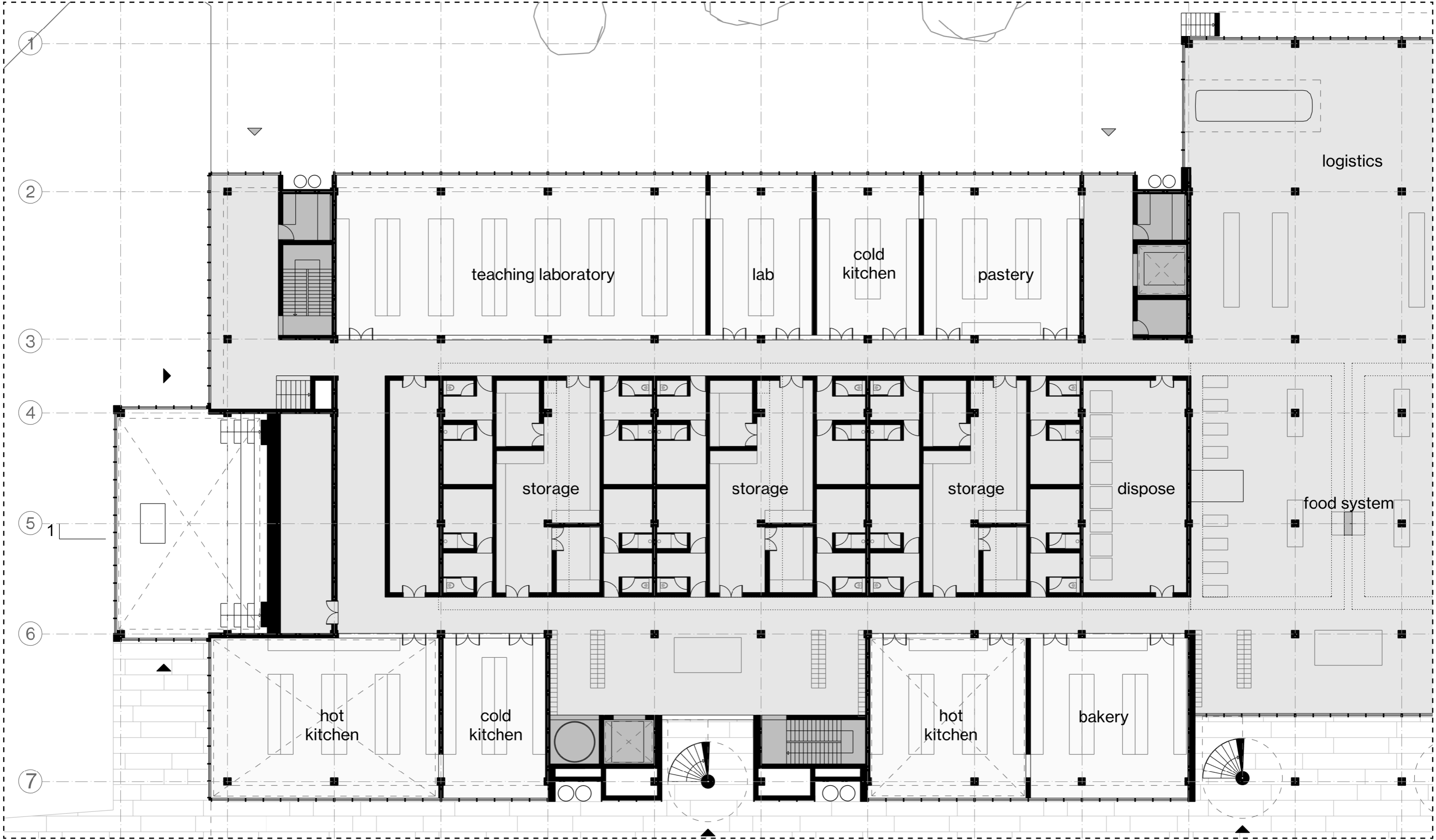
Berlin's Kitchenlab
PLAN: GROUND FLOOR (0)



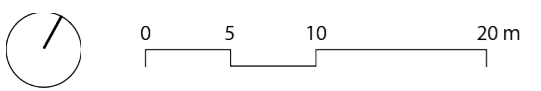
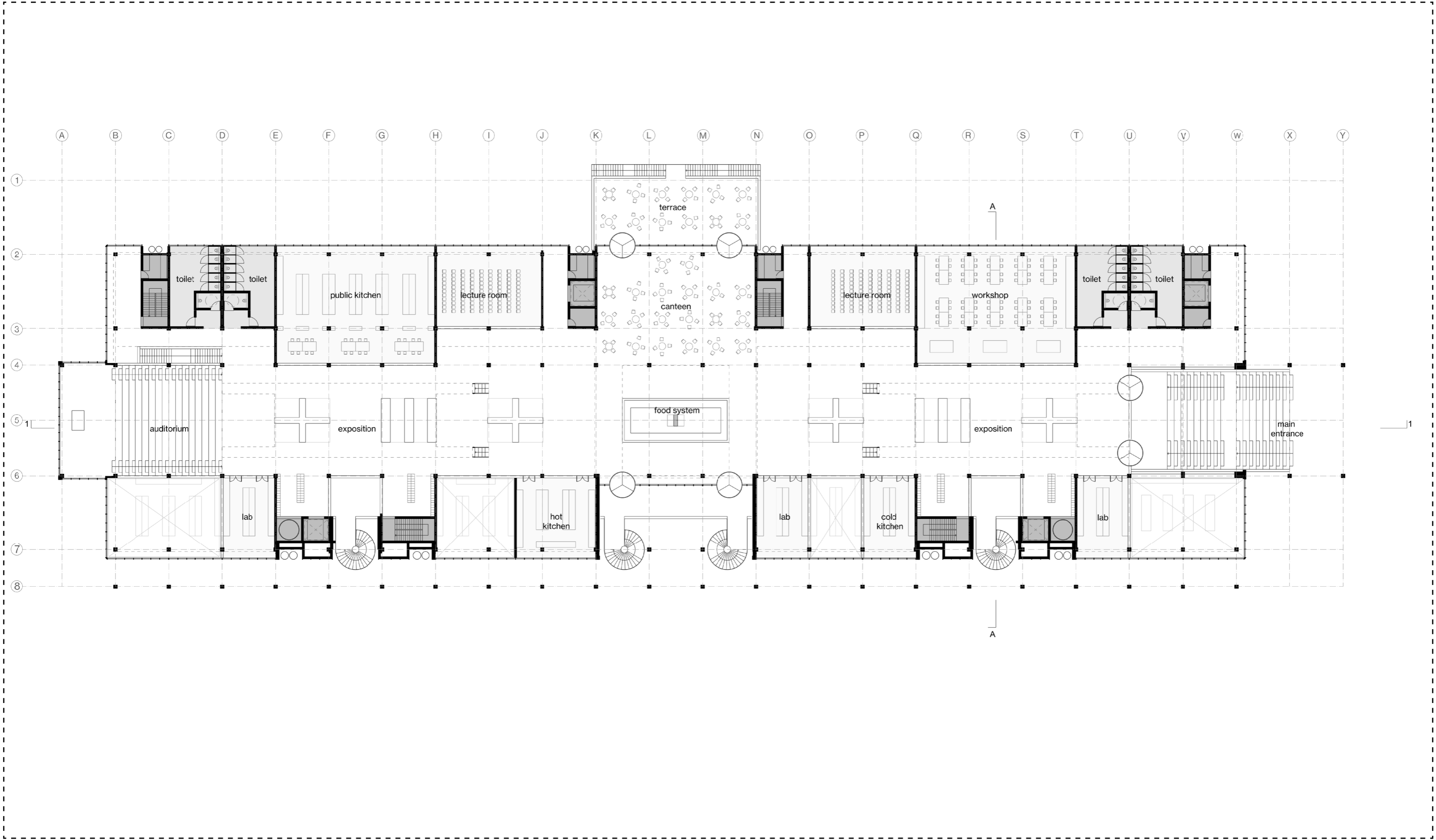
PLAN: GROUND FLOOR (0)



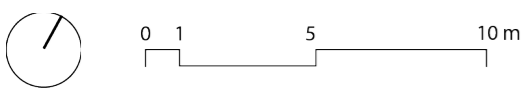
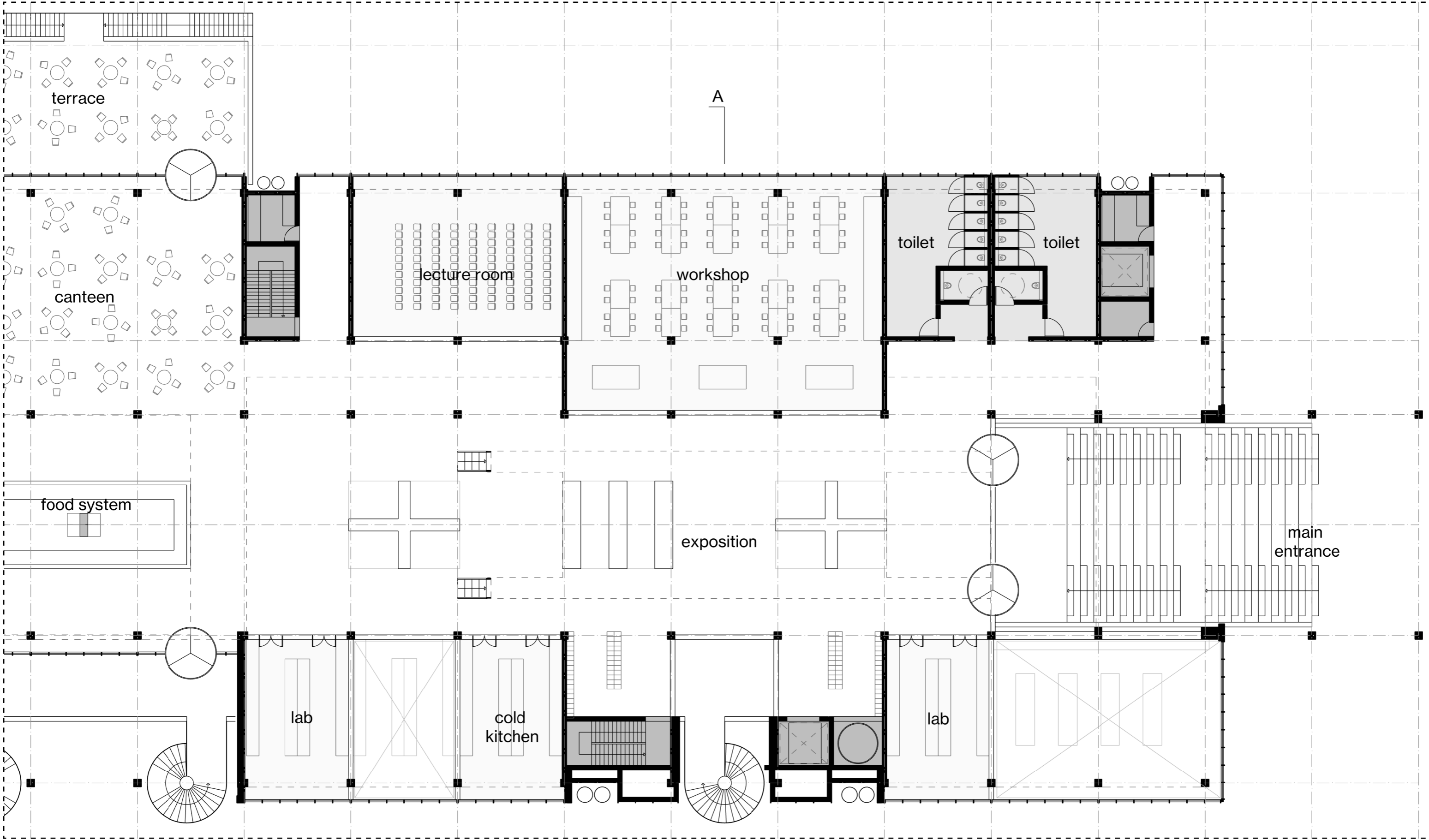
Berlin's Kitchenlab
PLAN: GROUND FLOOR (0)



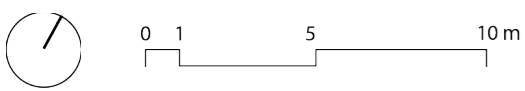
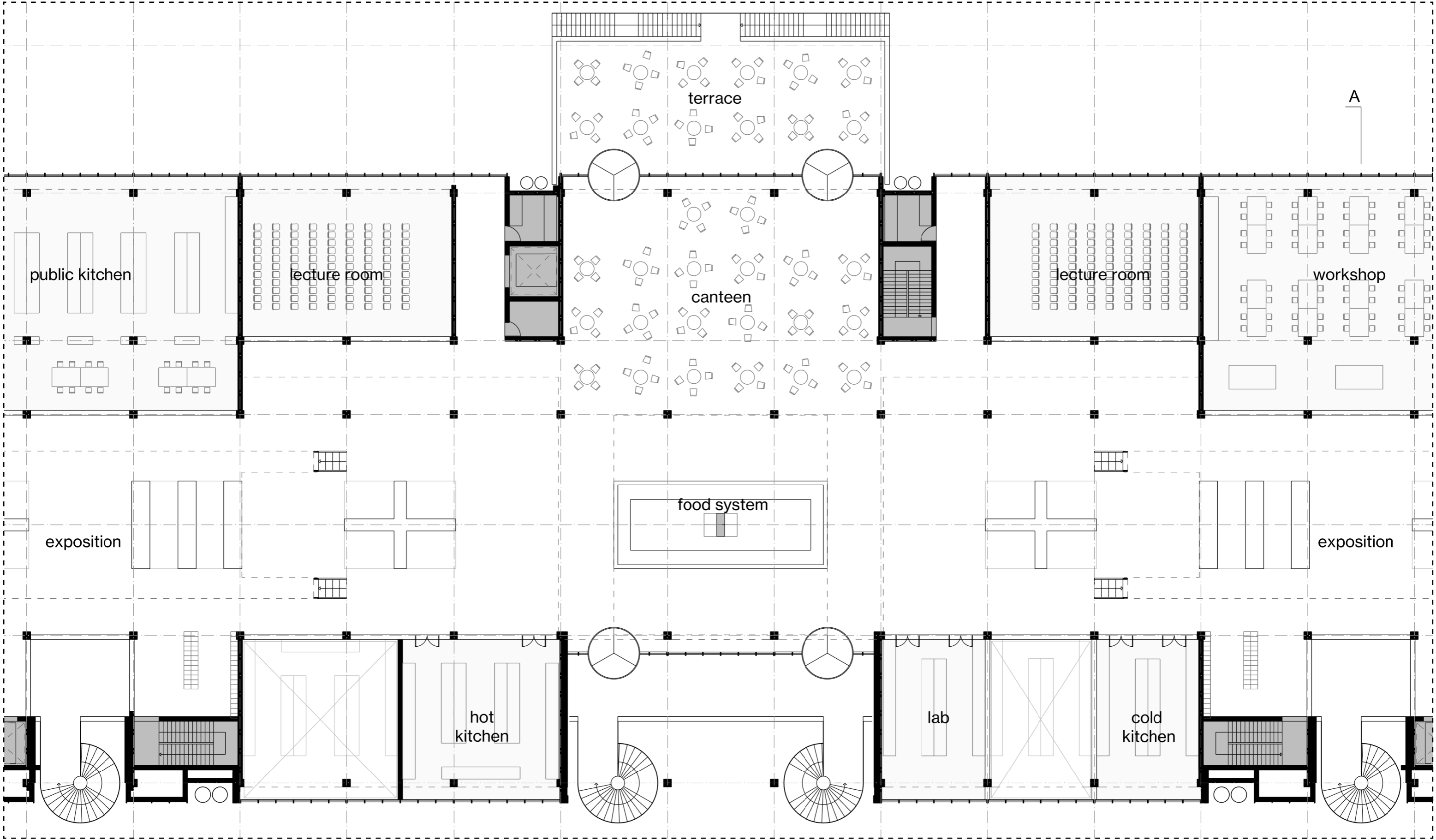
Berlin's Kitchenlab
PLAN: FIRST FLOOR (+1)



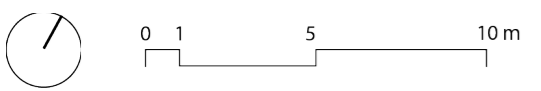
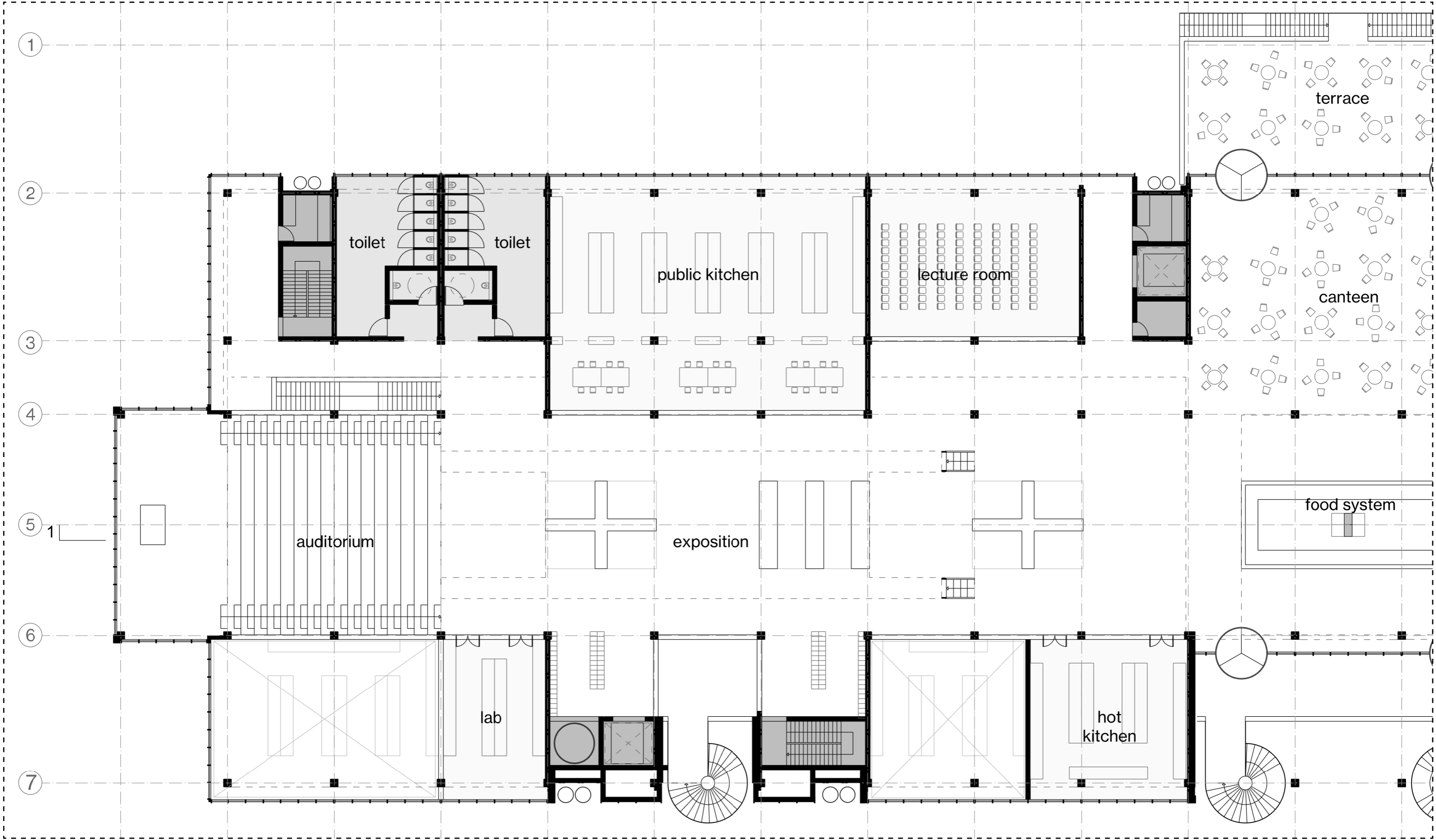
Berlin's Kitchenlab
PLAN: FIRST FLOOR (+1)



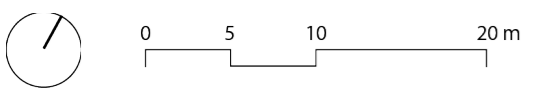
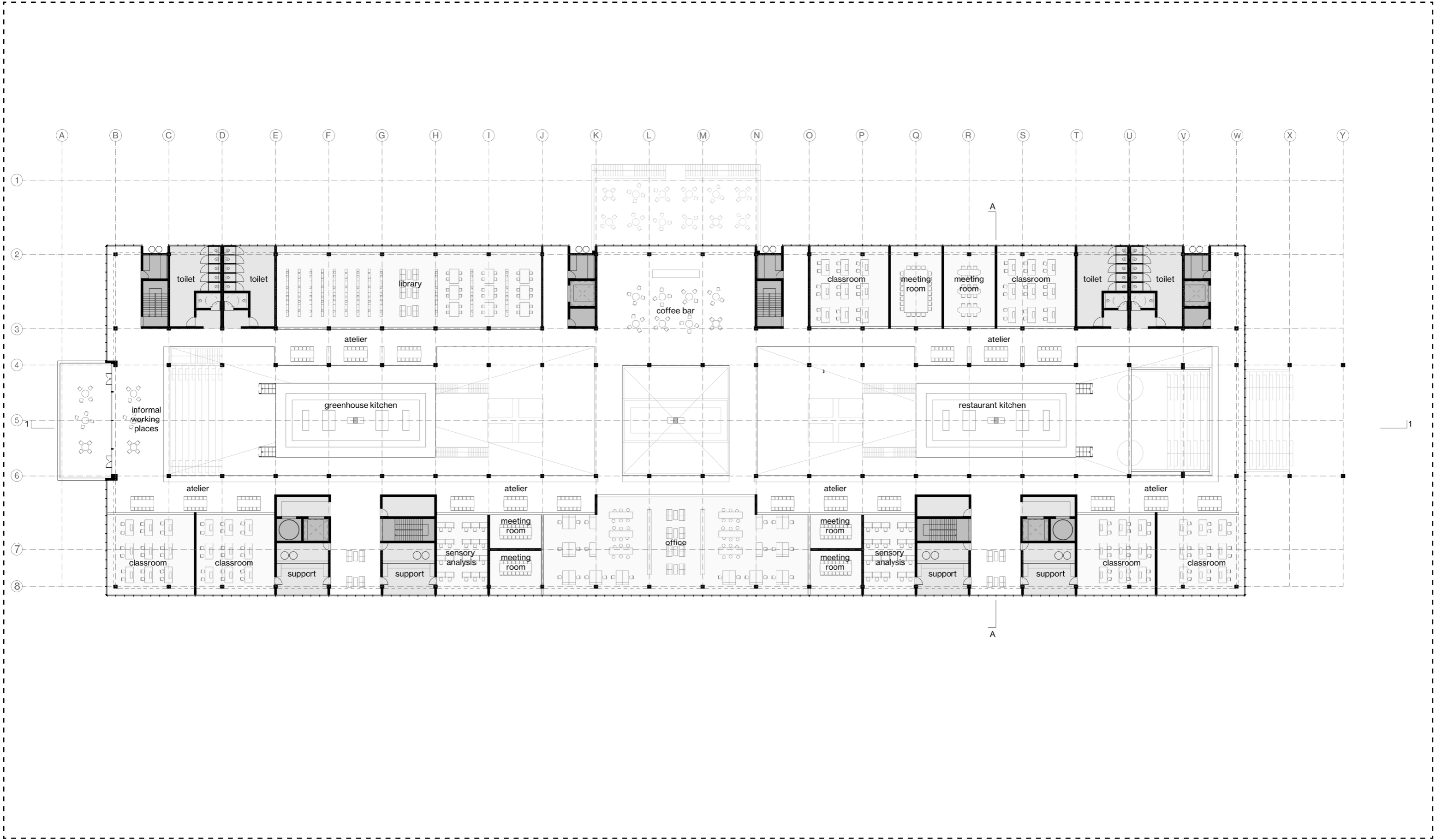
Berlin's Kitchenlab
PLAN: FIRST FLOOR (+1)



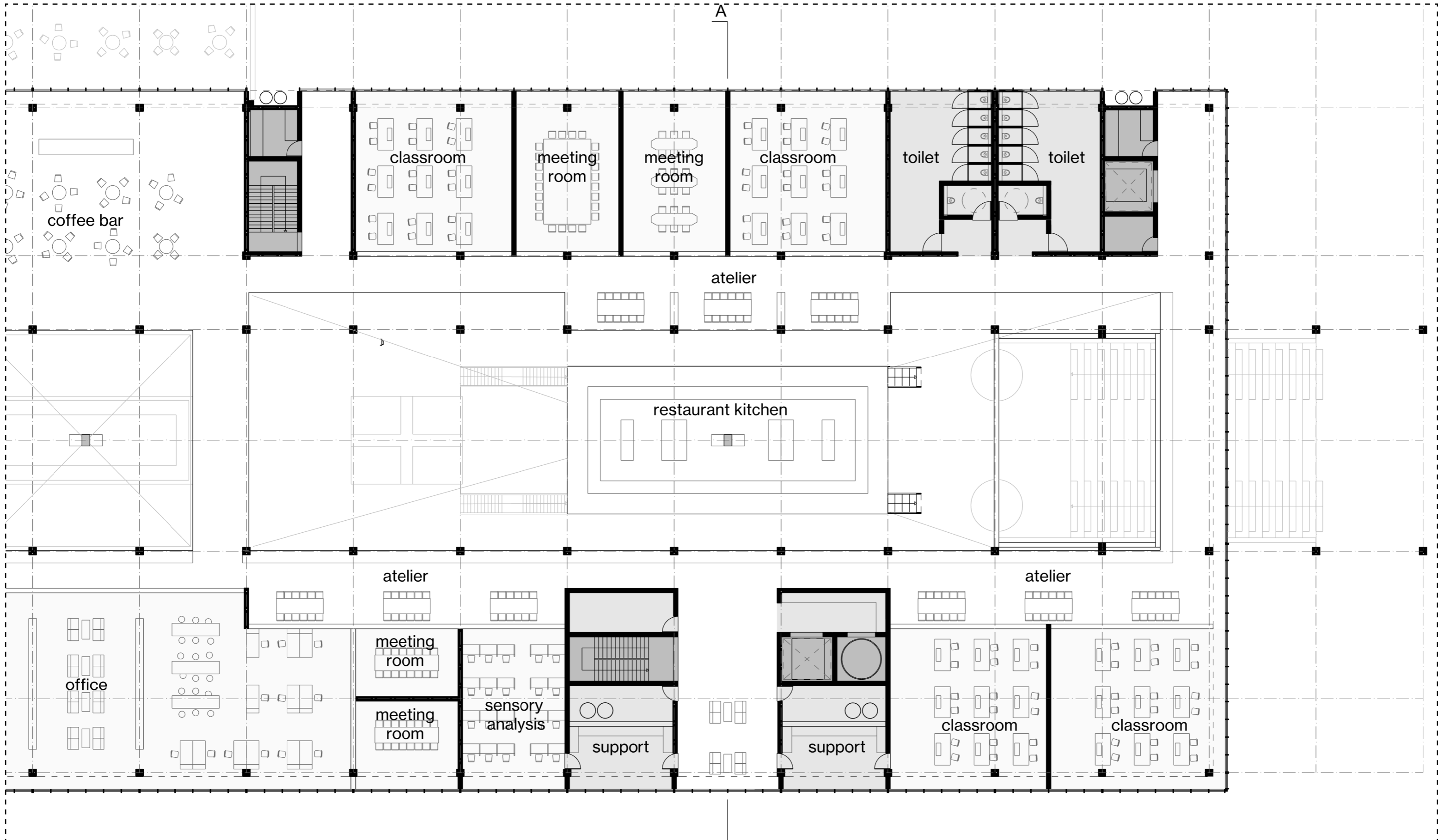
Berlin's Kitchenlab
PLAN: FIRST FLOOR (+1)



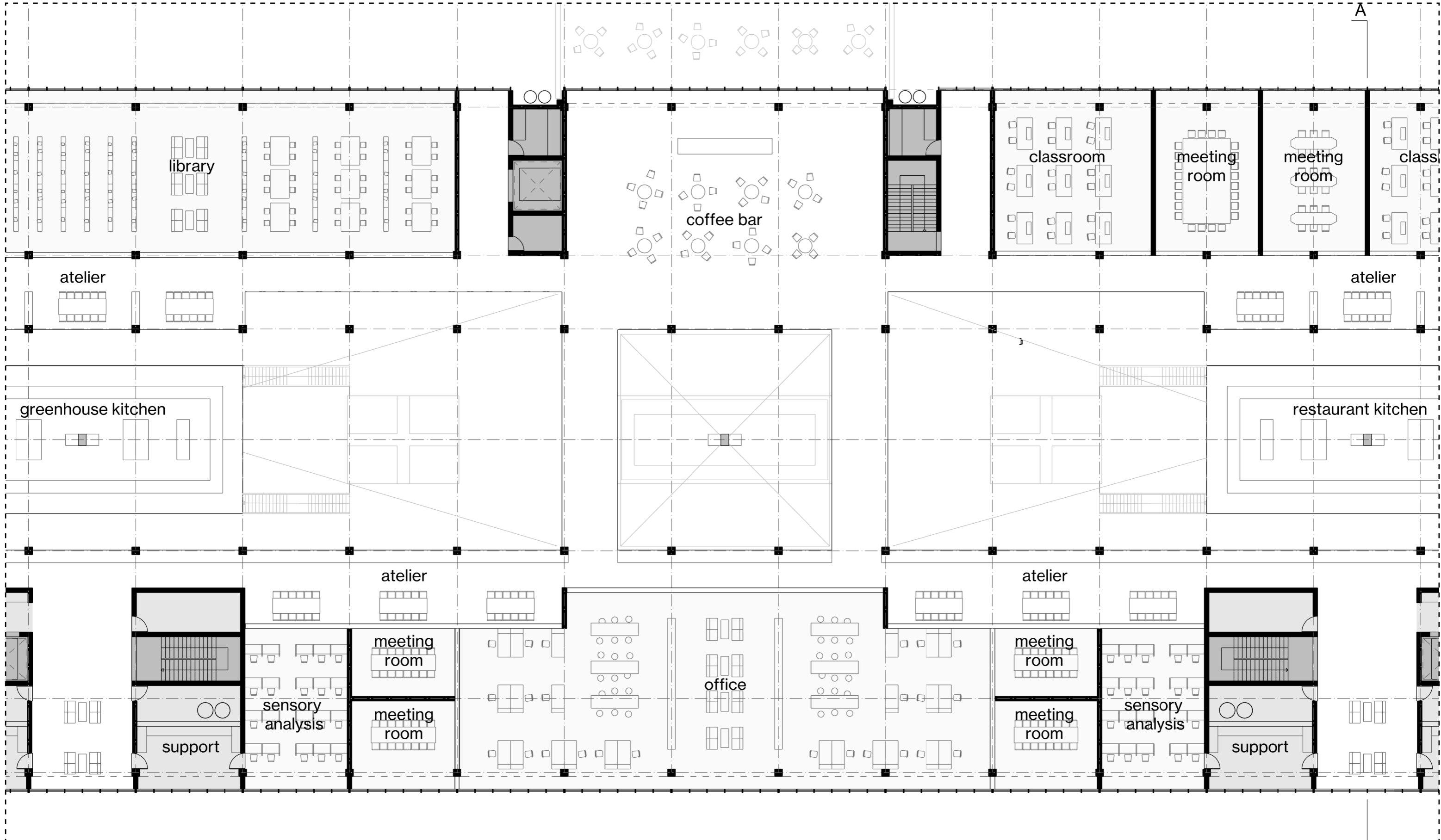
Berlin's Kitchenlab
PLAN: SECOND FLOOR (+2)



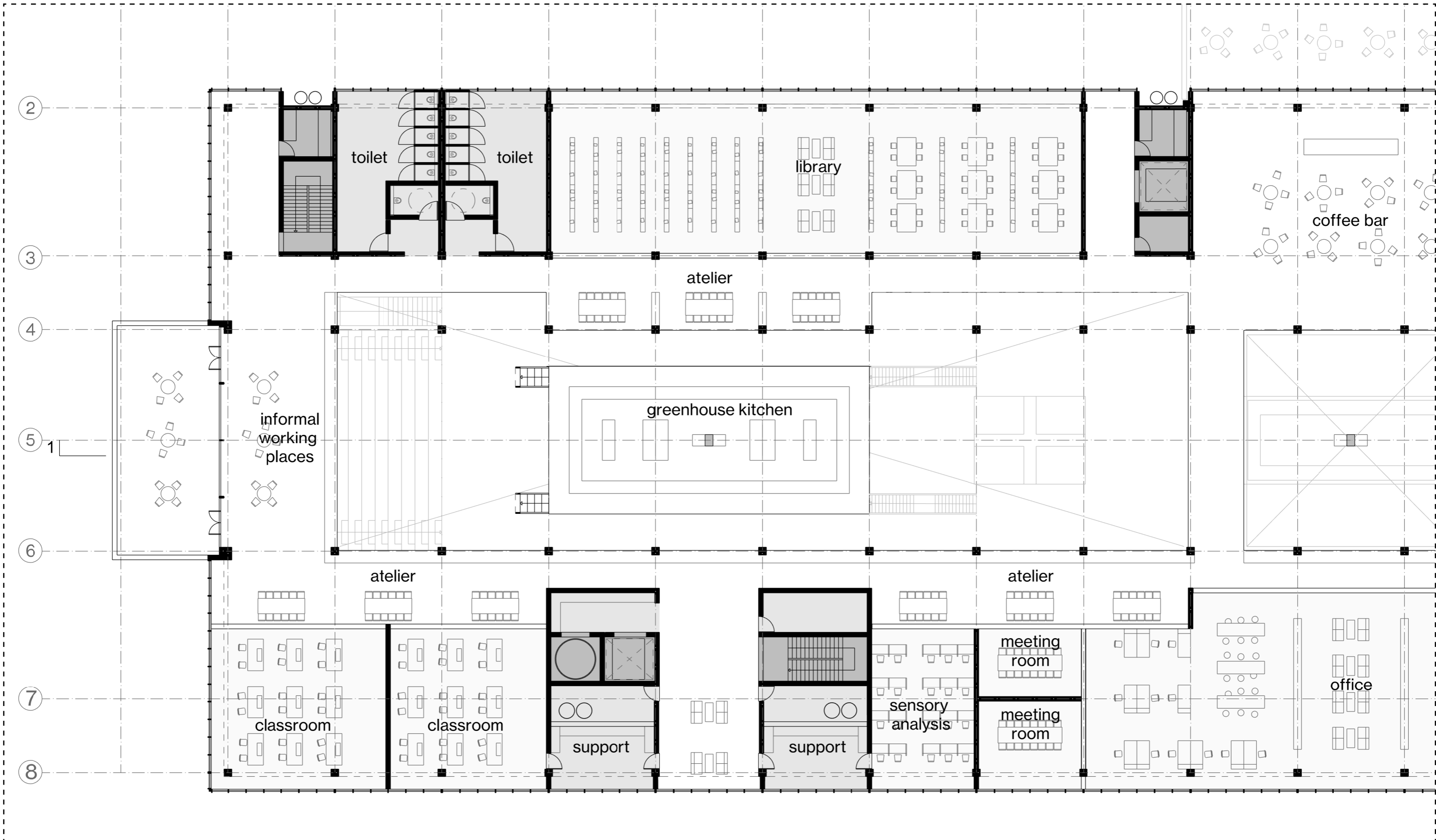
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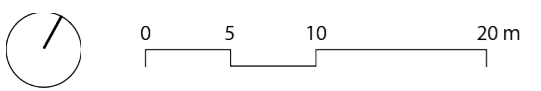
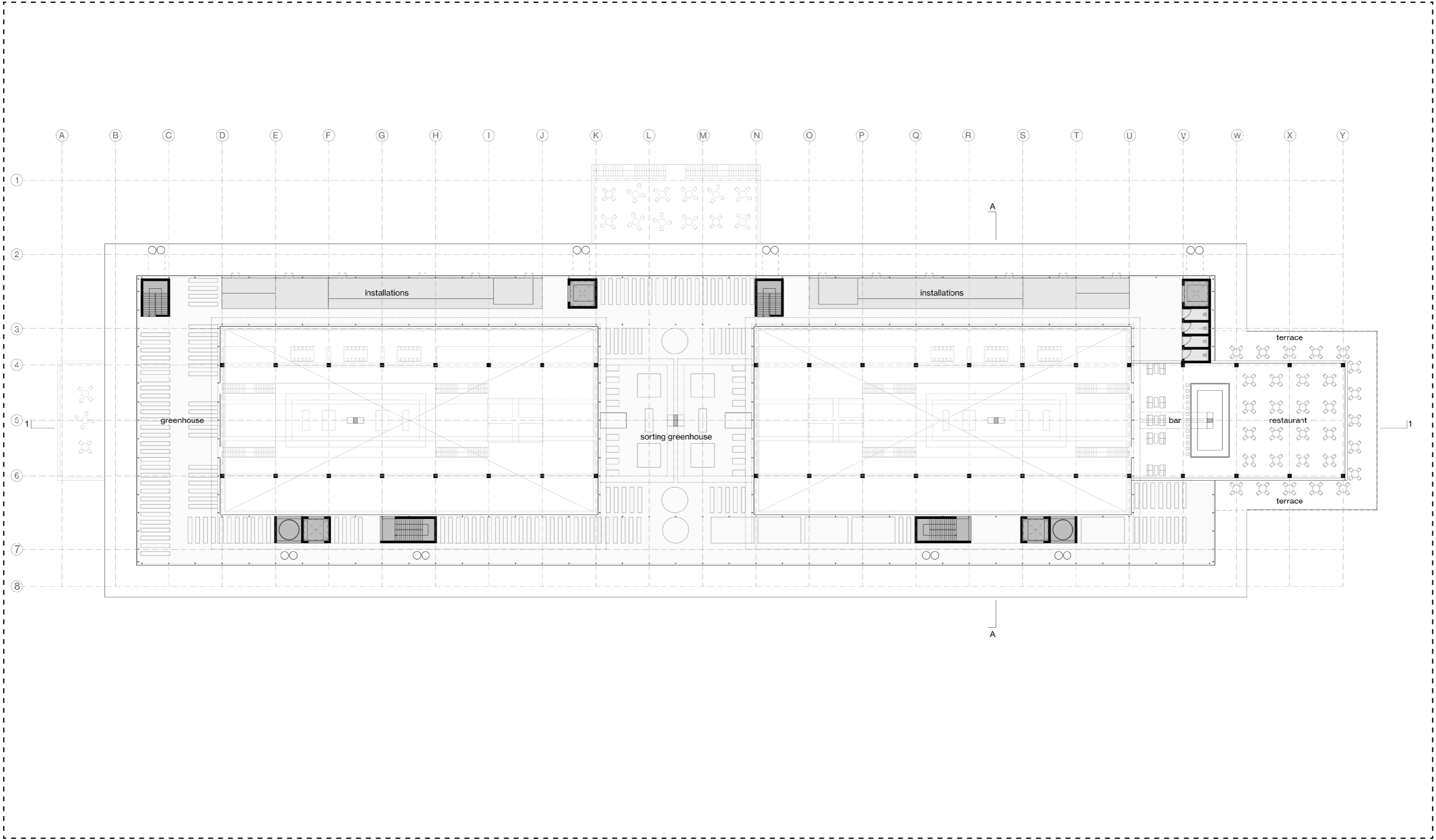
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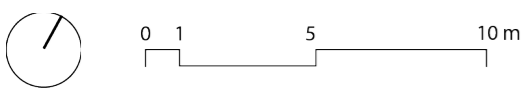
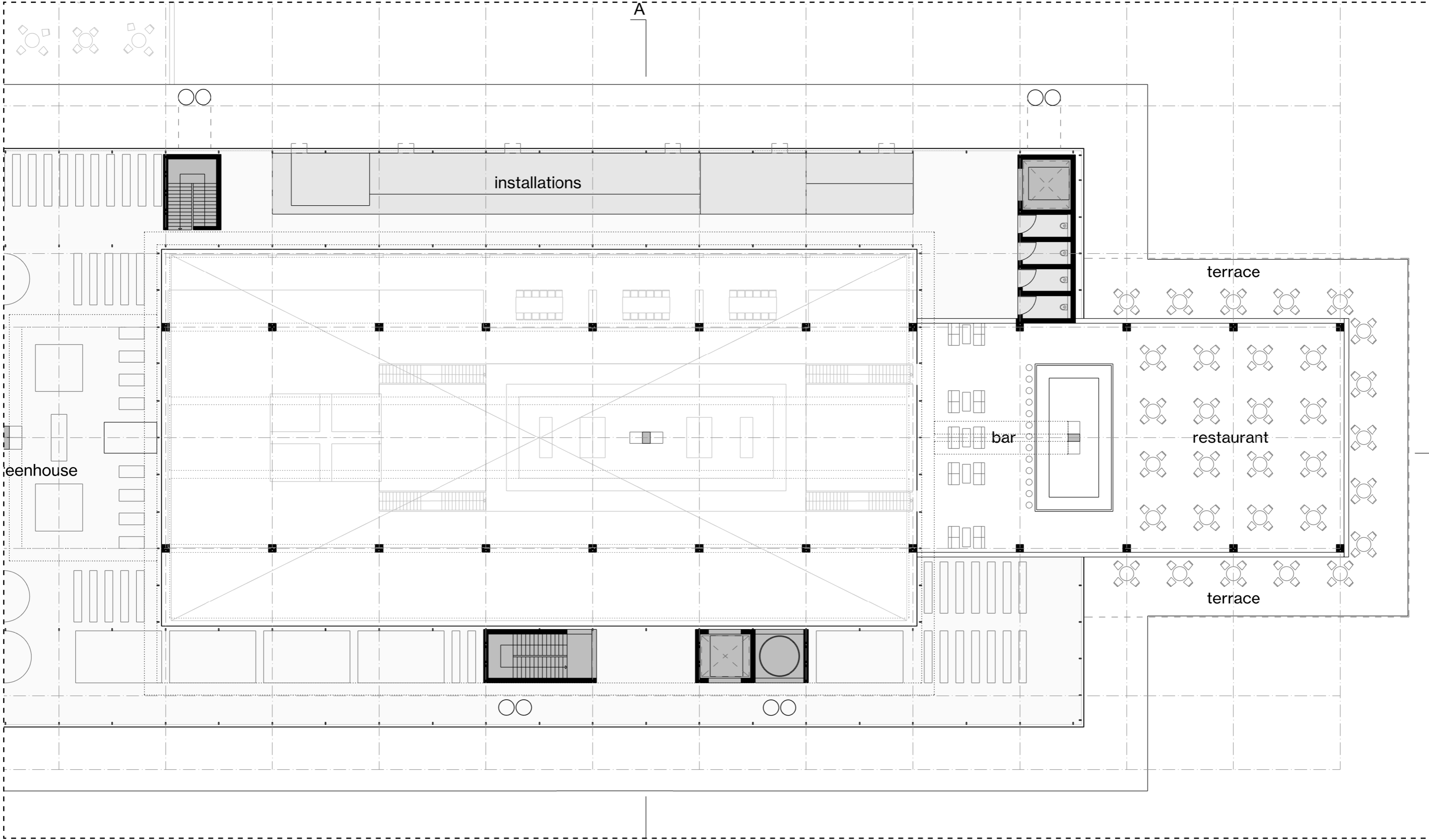
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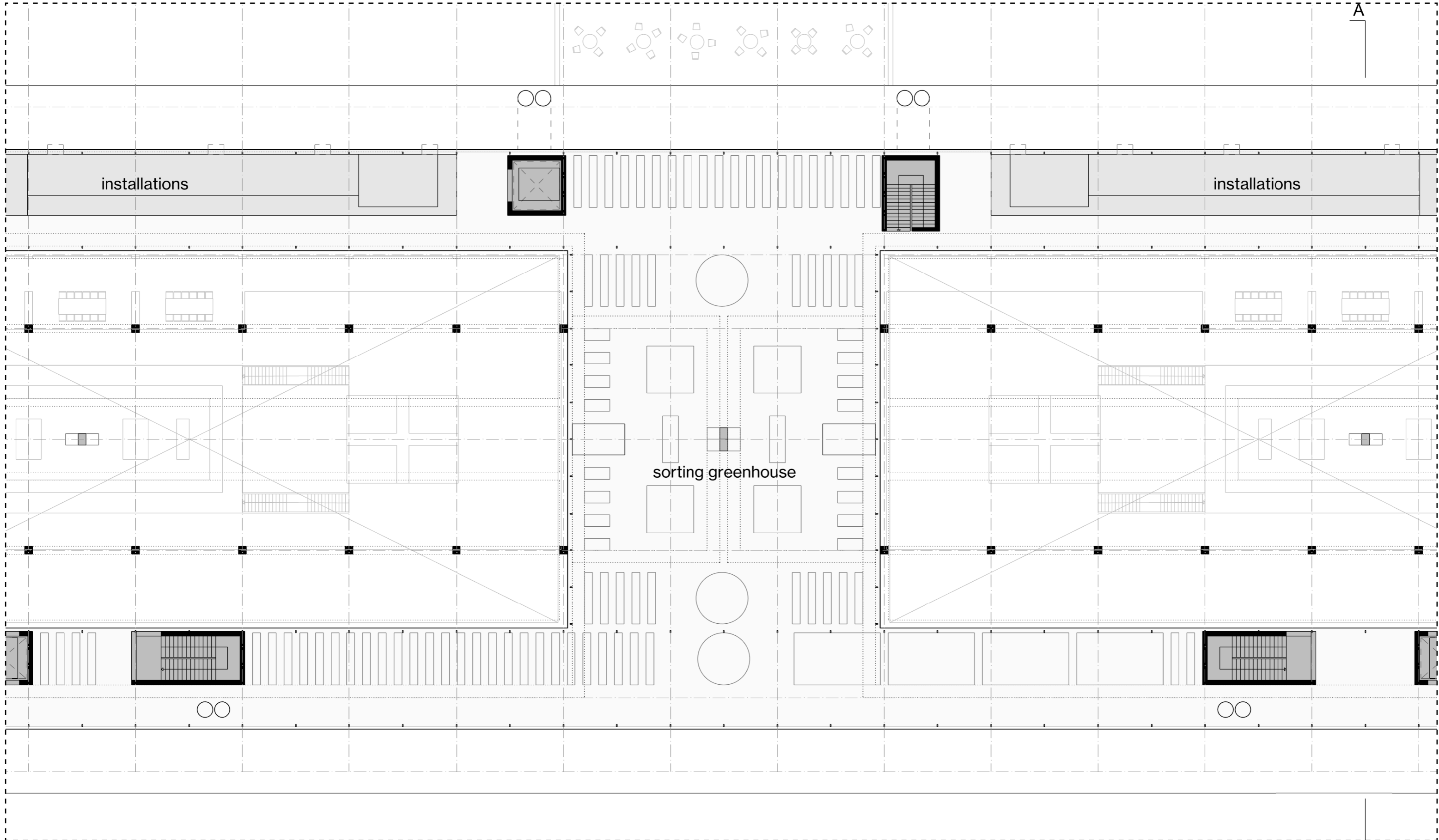
Berlin's Kitchenlab
PLAN: THIRD FLOOR (+3)



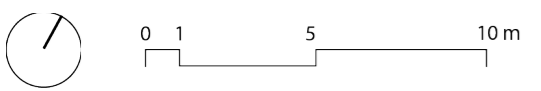
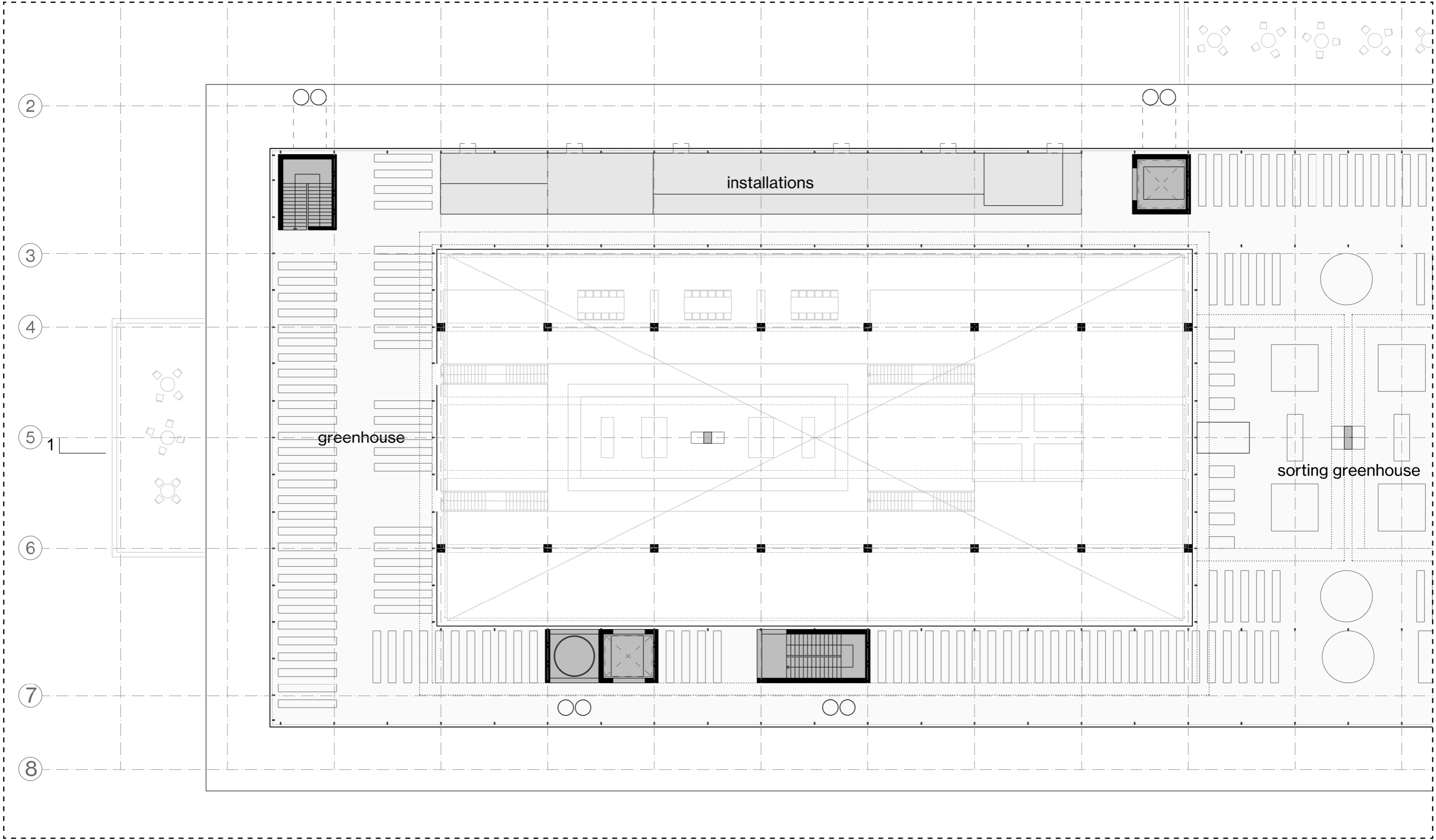
Berlin's Kitchenlab
PLAN: THIRD FLOOR (+3)



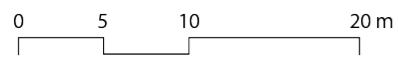
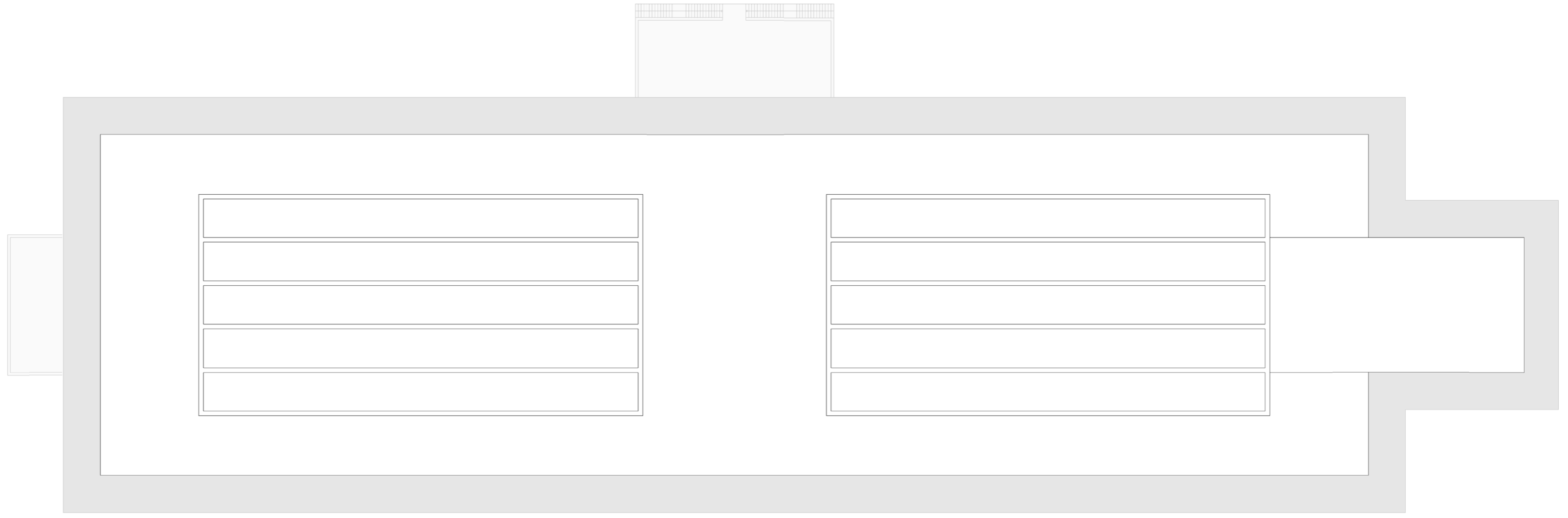
Berlin's Kitchenlab
PLAN: THIRD FLOOR (+3)



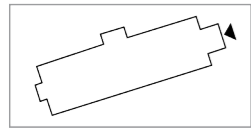
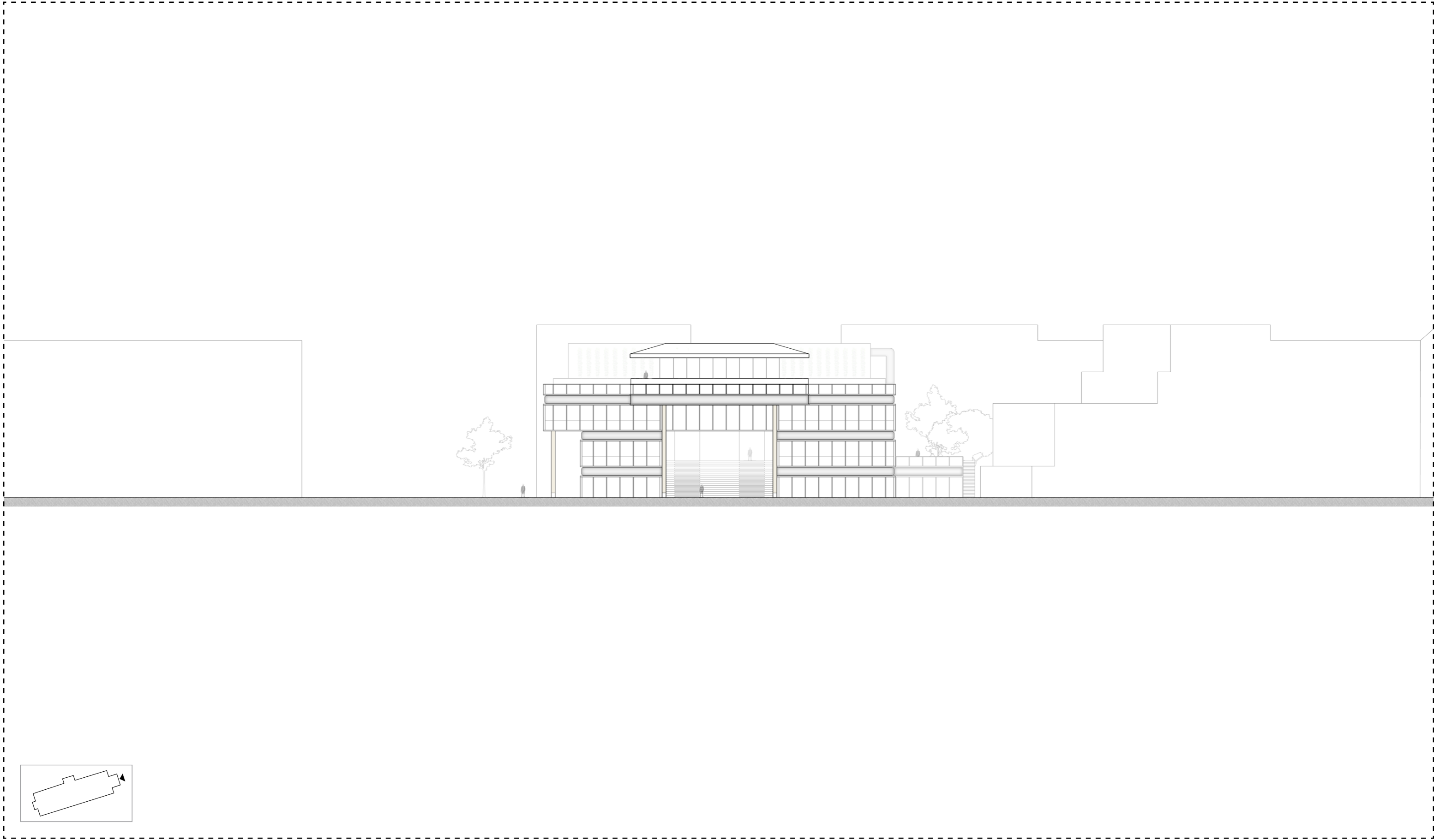
Berlin's Kitchenlab
PLAN: THIRD FLOOR (+3)



Berlin's Kitchenlab
PLAN: ROOF

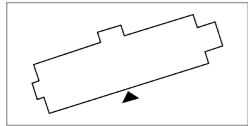
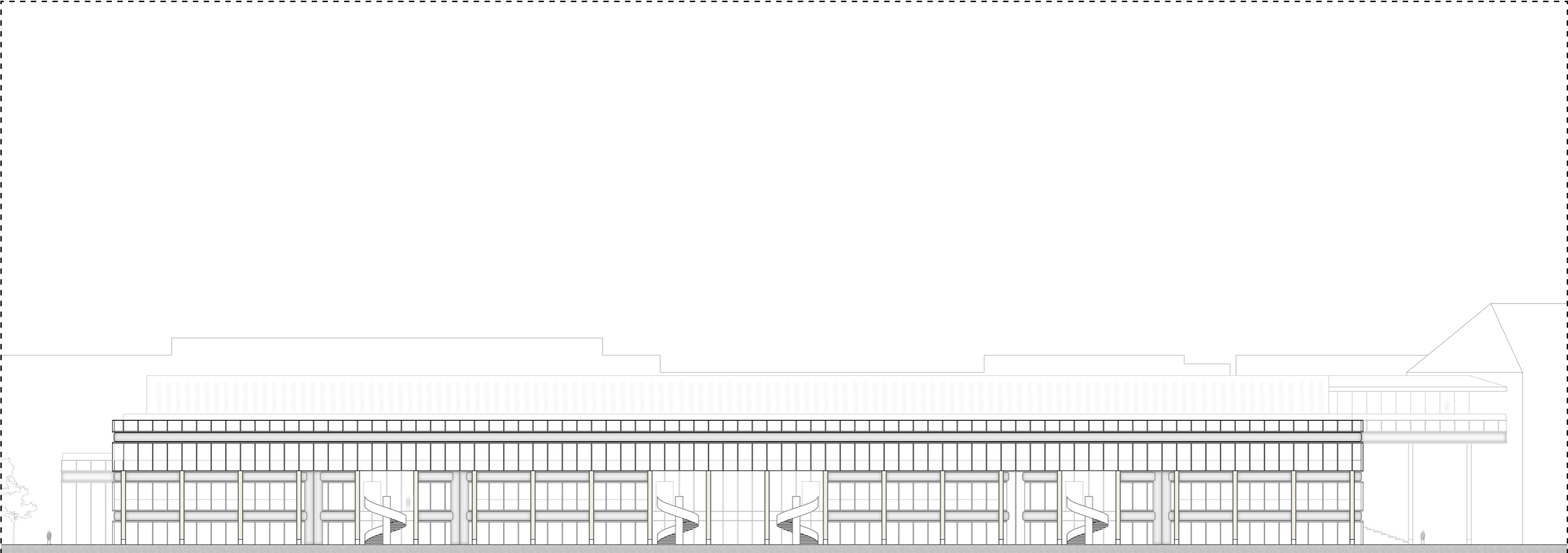


Berlin's Kitchenlab
ELEVATION: FRONT (EAST)



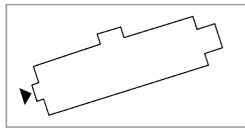
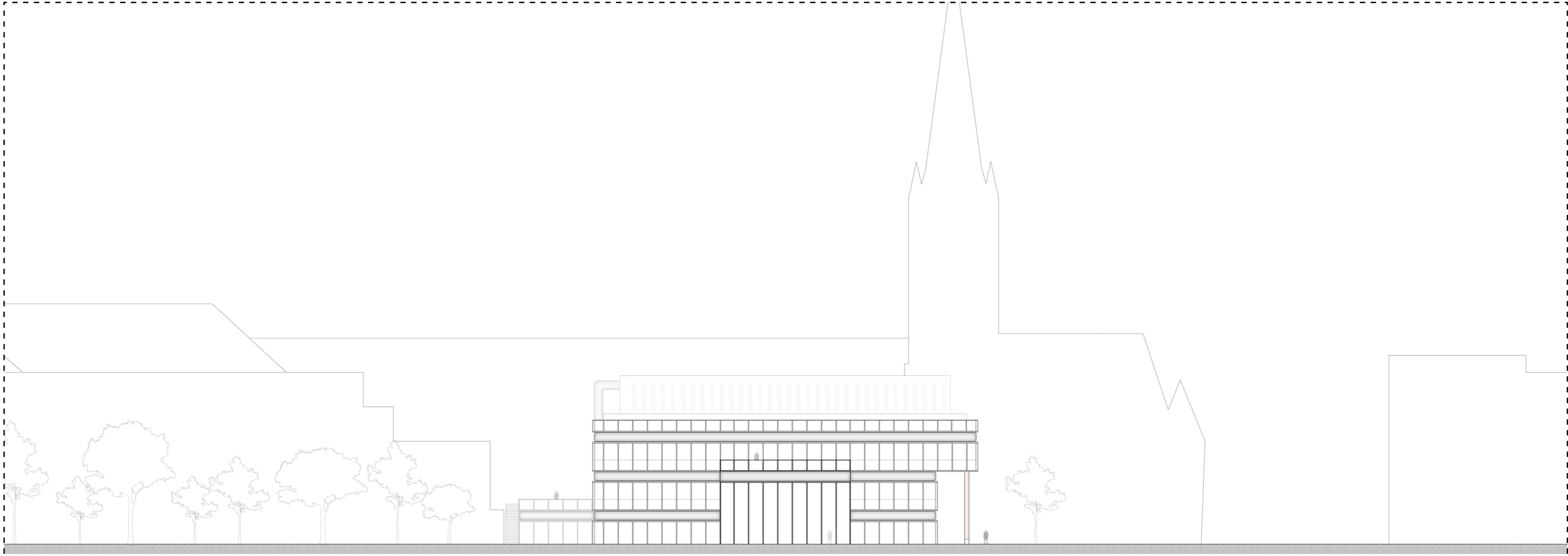
0 5 10 20 m

Berlin's Kitchenlab
ELEVATION: STREET (SOUTH)



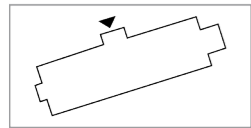
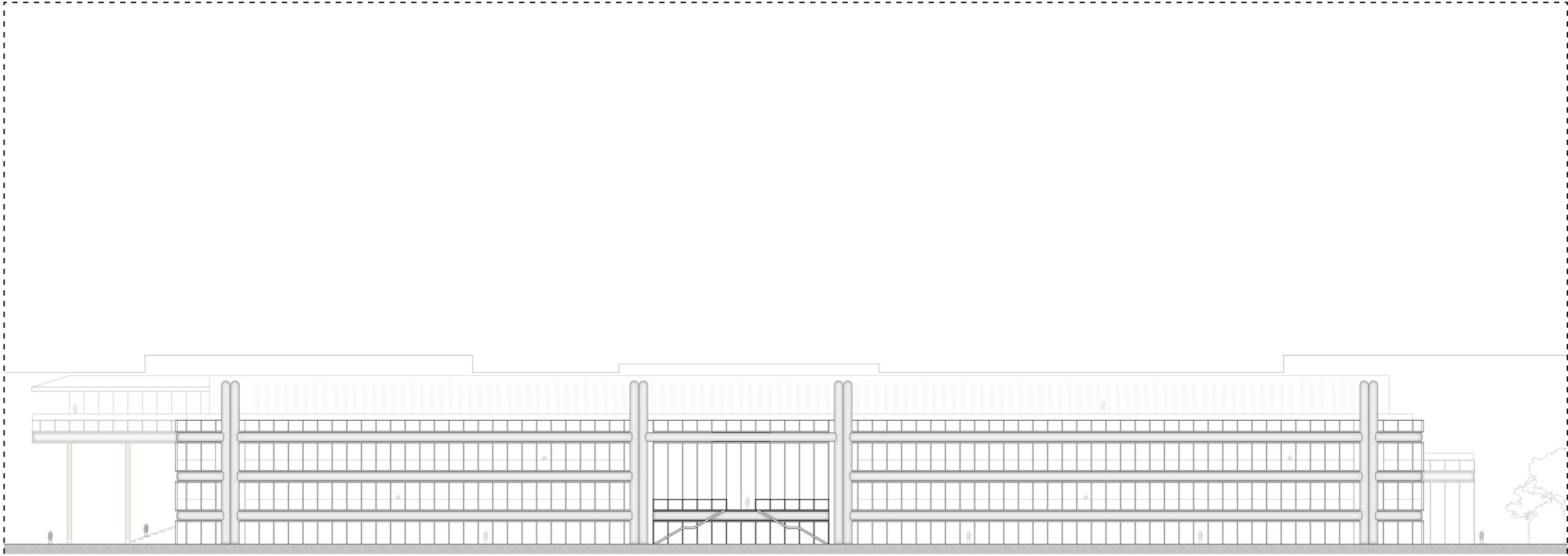
0 5 10 20 m

Berlin's Kitchenlab
ELEVATION: BACK (WEST)



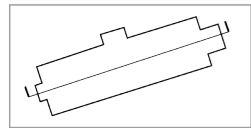
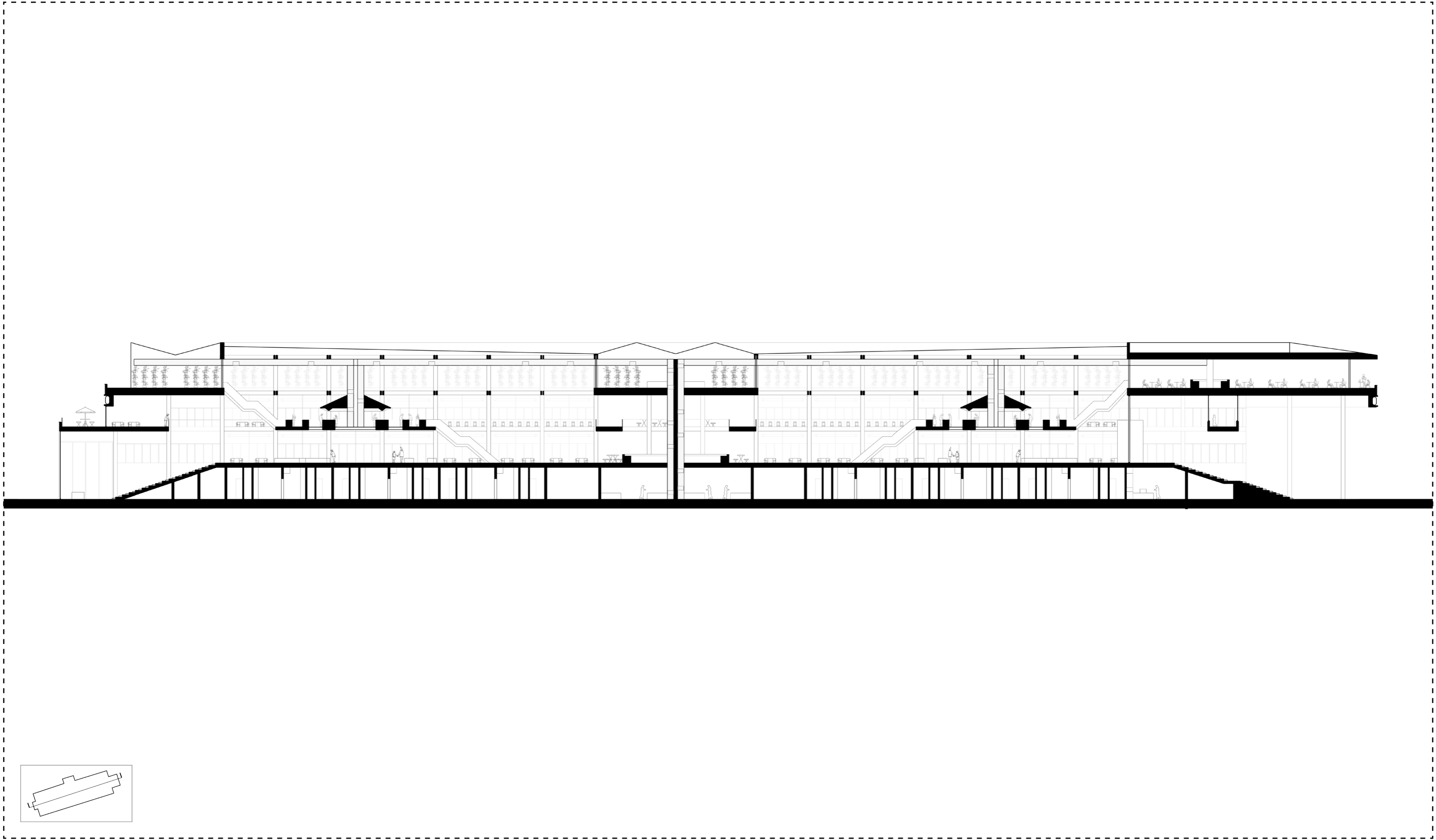
0 5 10 20 m

Berlin's Kitchenlab
ELEVATION: PARK (NORTH)



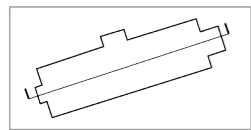
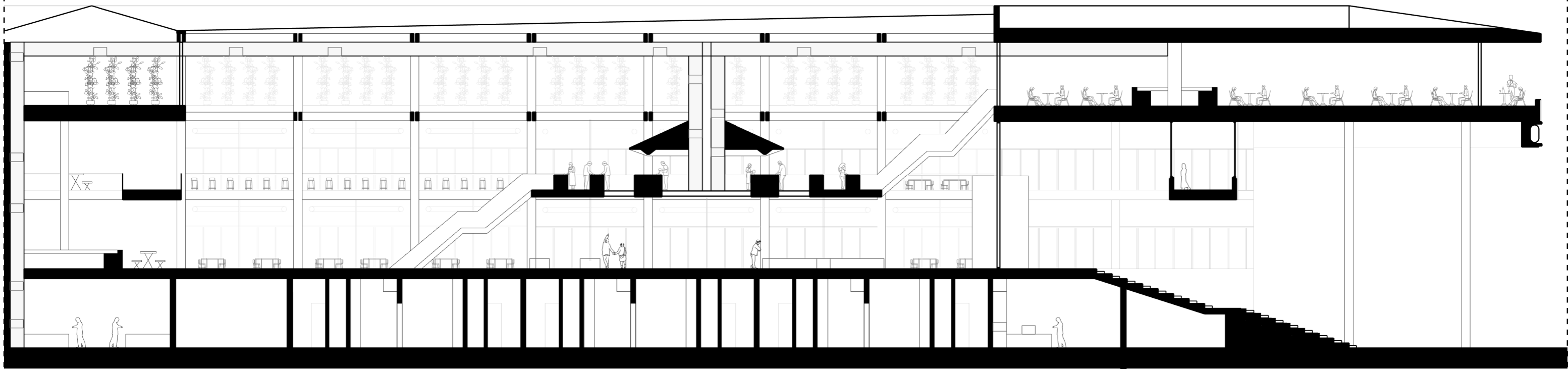
0 5 10 20 m

Berlin's Kitchenlab
SECTION 1-1



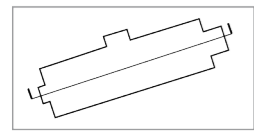
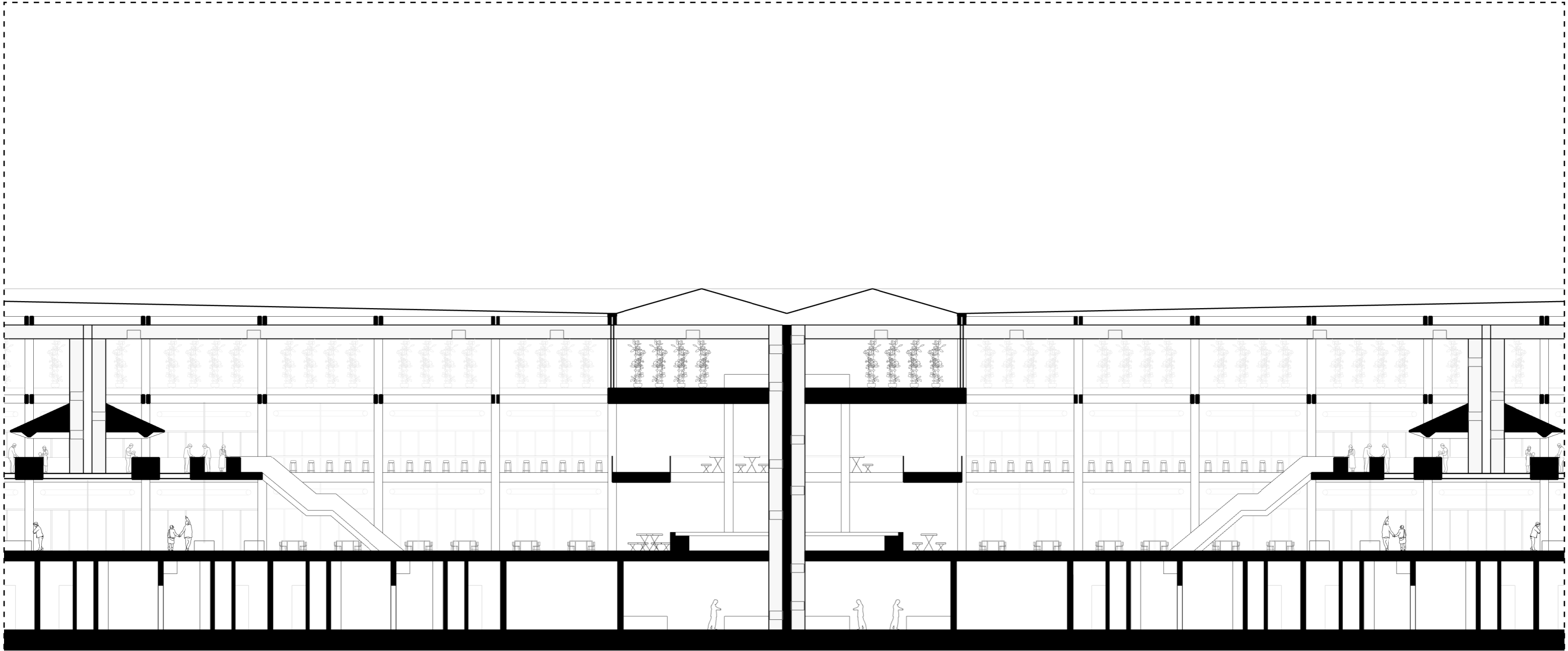
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Berlin's Kitchenlab
SECTION 1-1



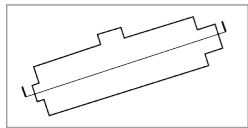
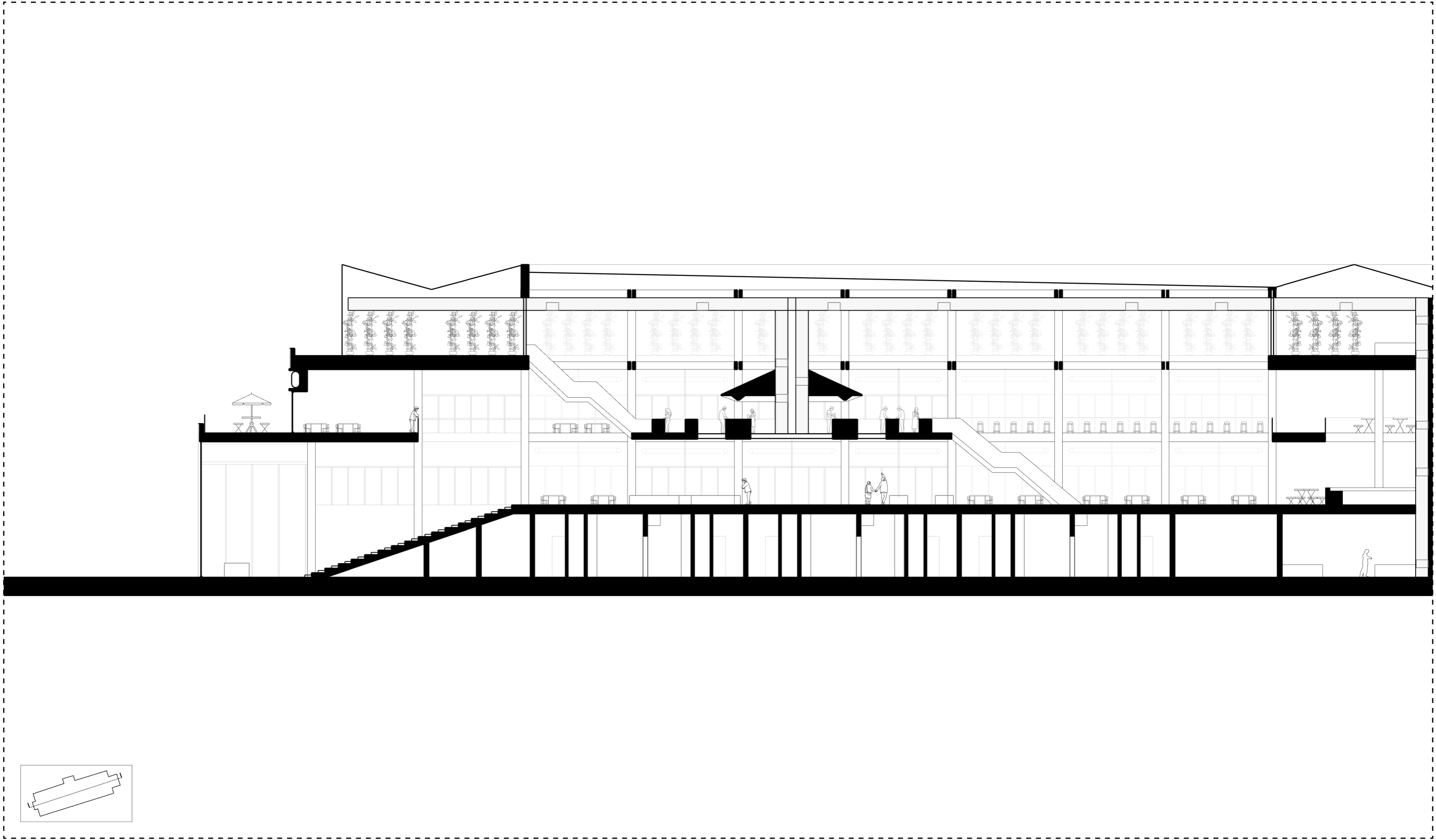
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Berlin's Kitchenlab
SECTION 1-1



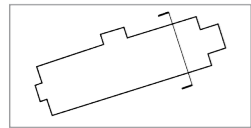
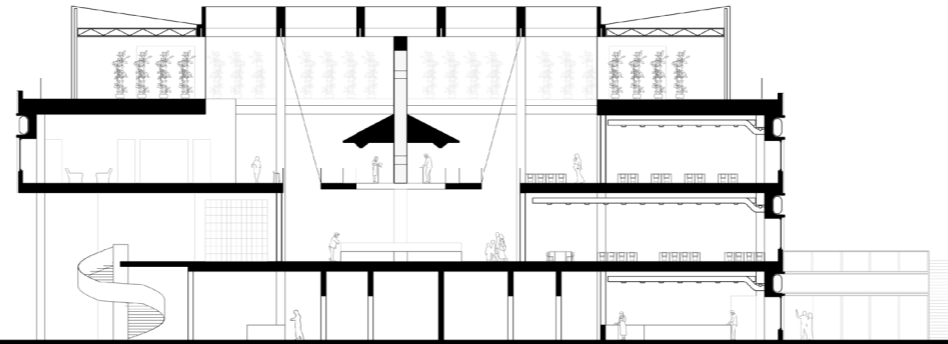
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Berlin's Kitchenlab
SECTION 1-1



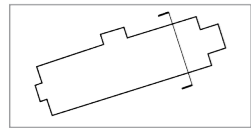
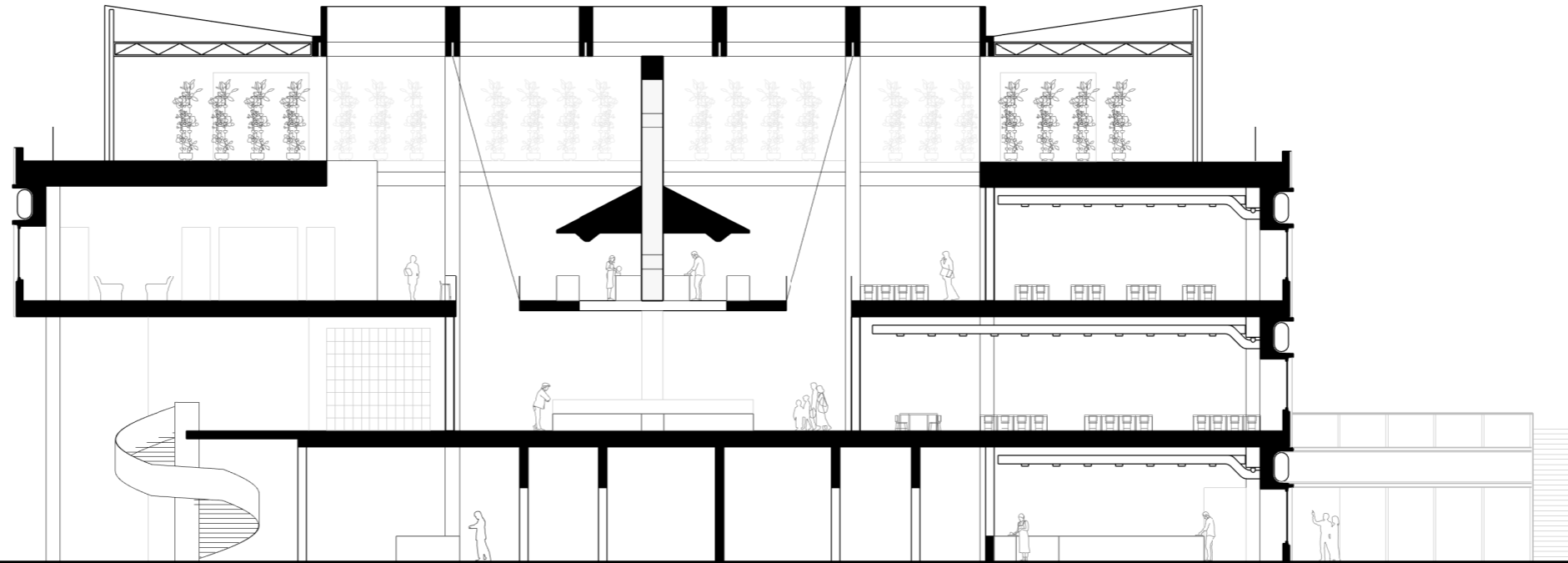
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Berlin's Kitchenlab
SECTION A-A



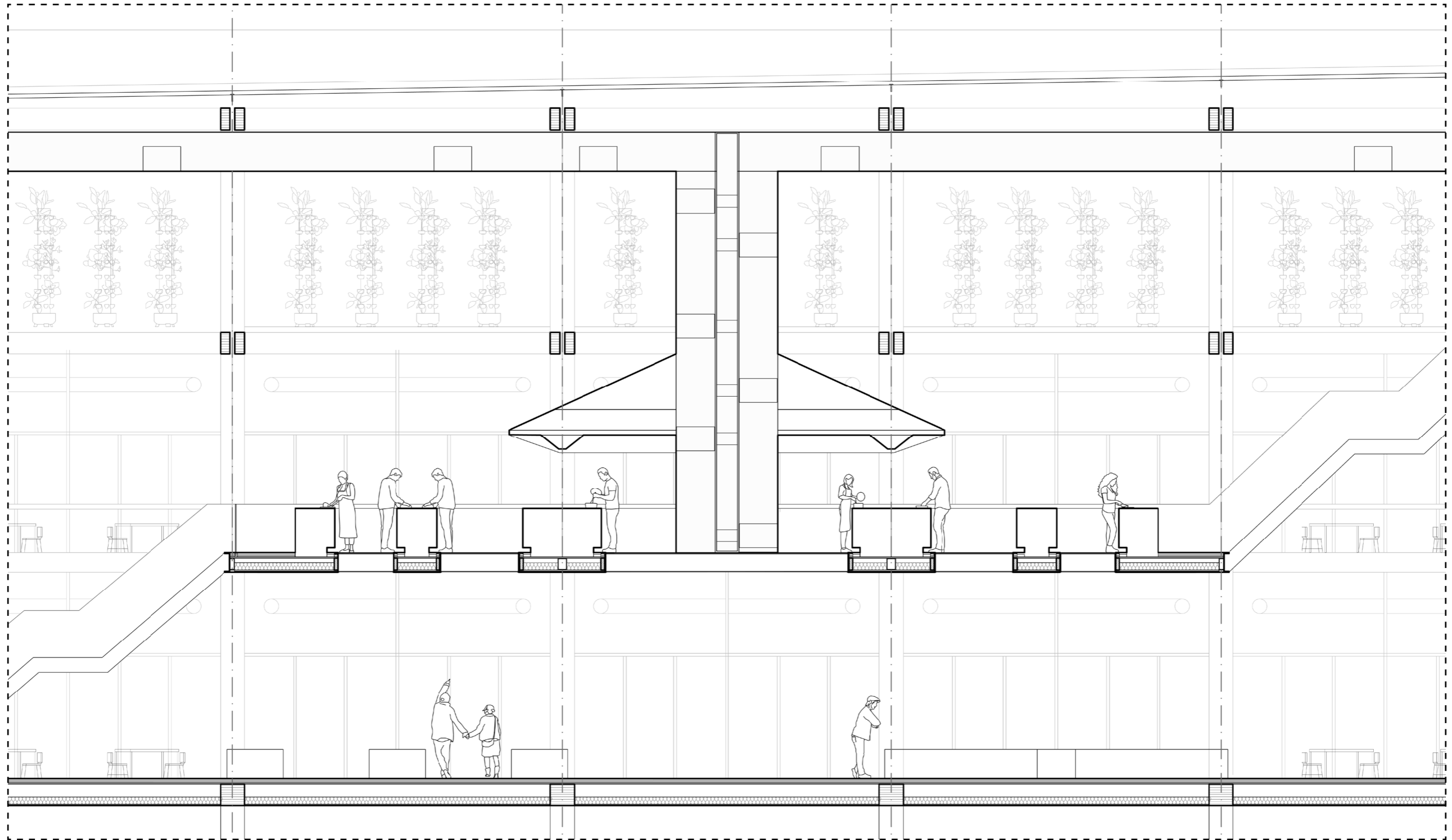
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Berlin's Kitchenlab
SECTION A-A



0 1 5 10m

Berlin's Kitchenlab
INTERIOR FRAGMENT

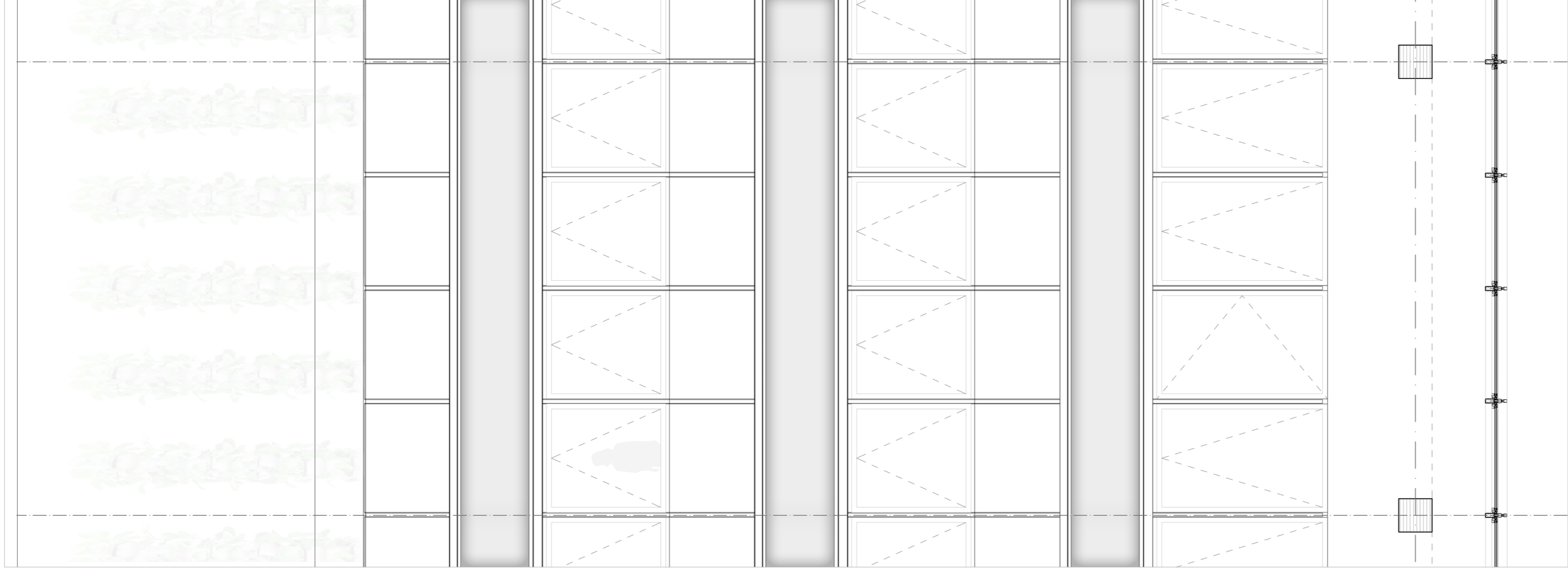
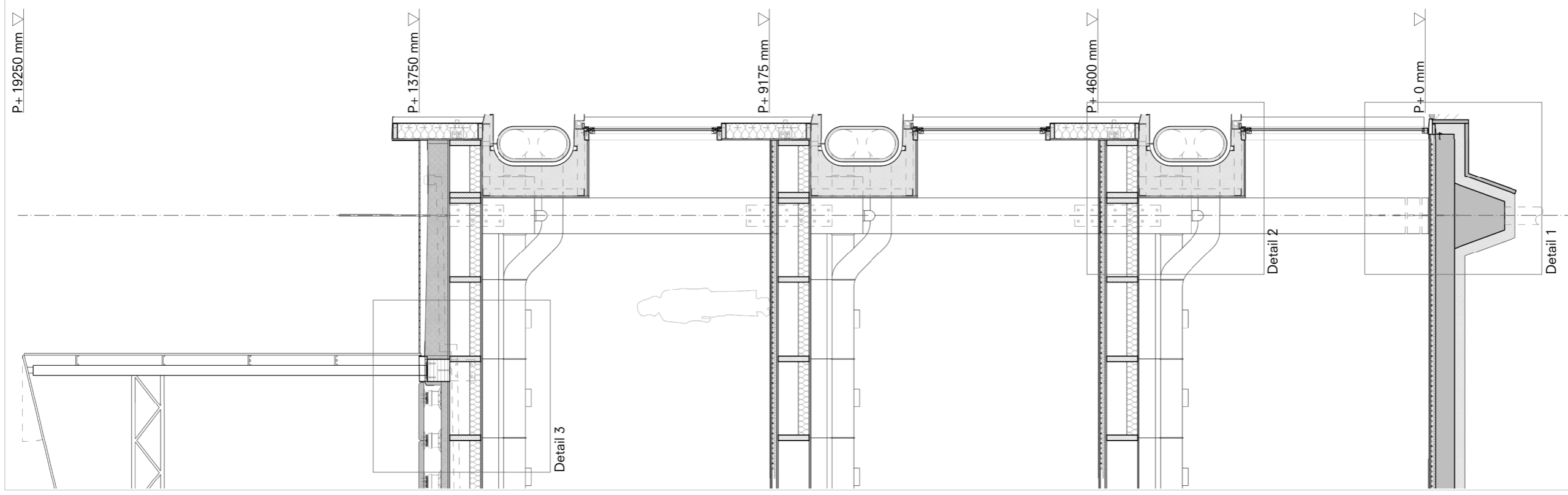


0 1 2 5m

complex  projects

Scale 1:50 on A2
Pelle Rademakers
Bodies & building Berlin - 2023/2024

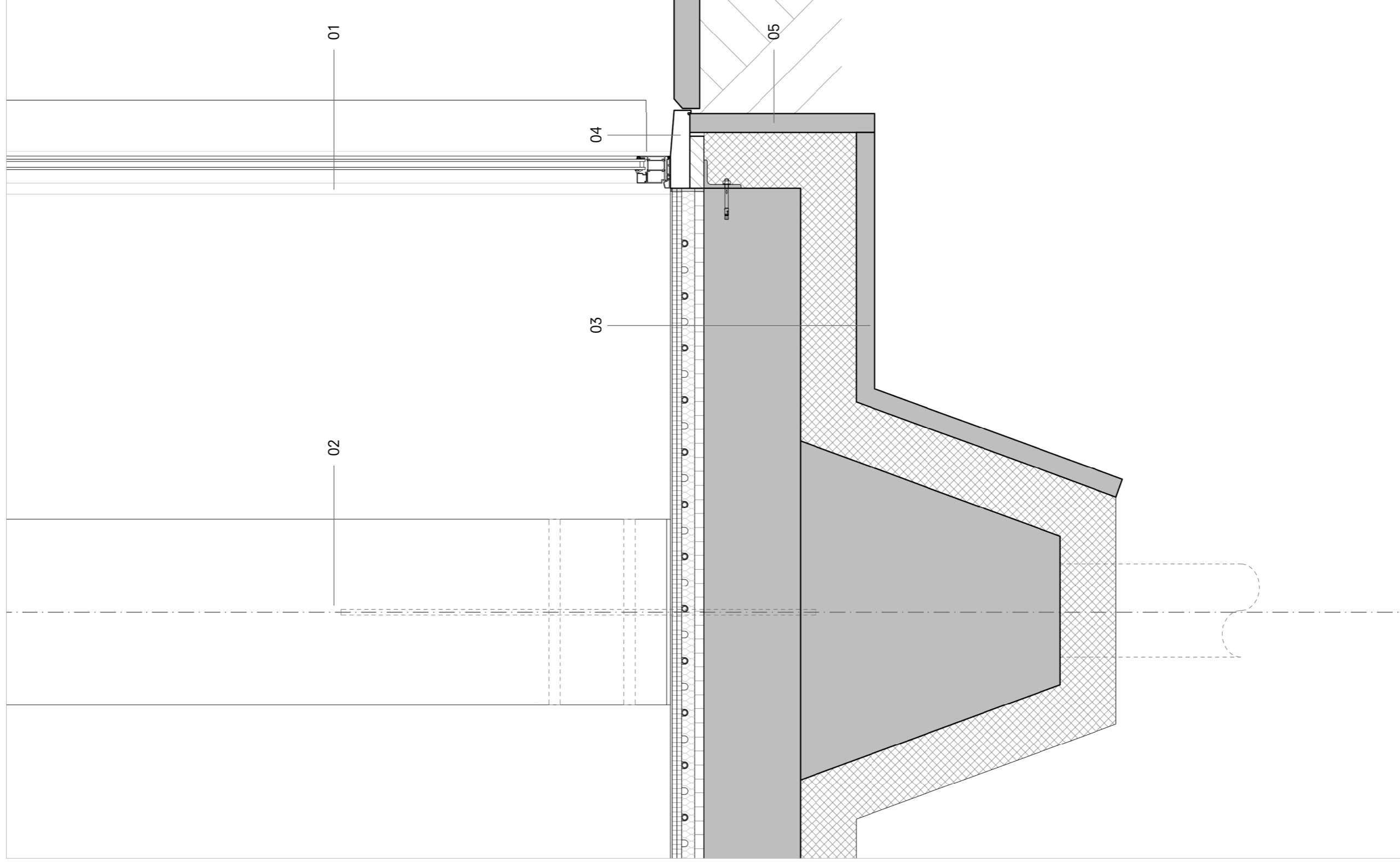
EXTERIOR FRAGMENT



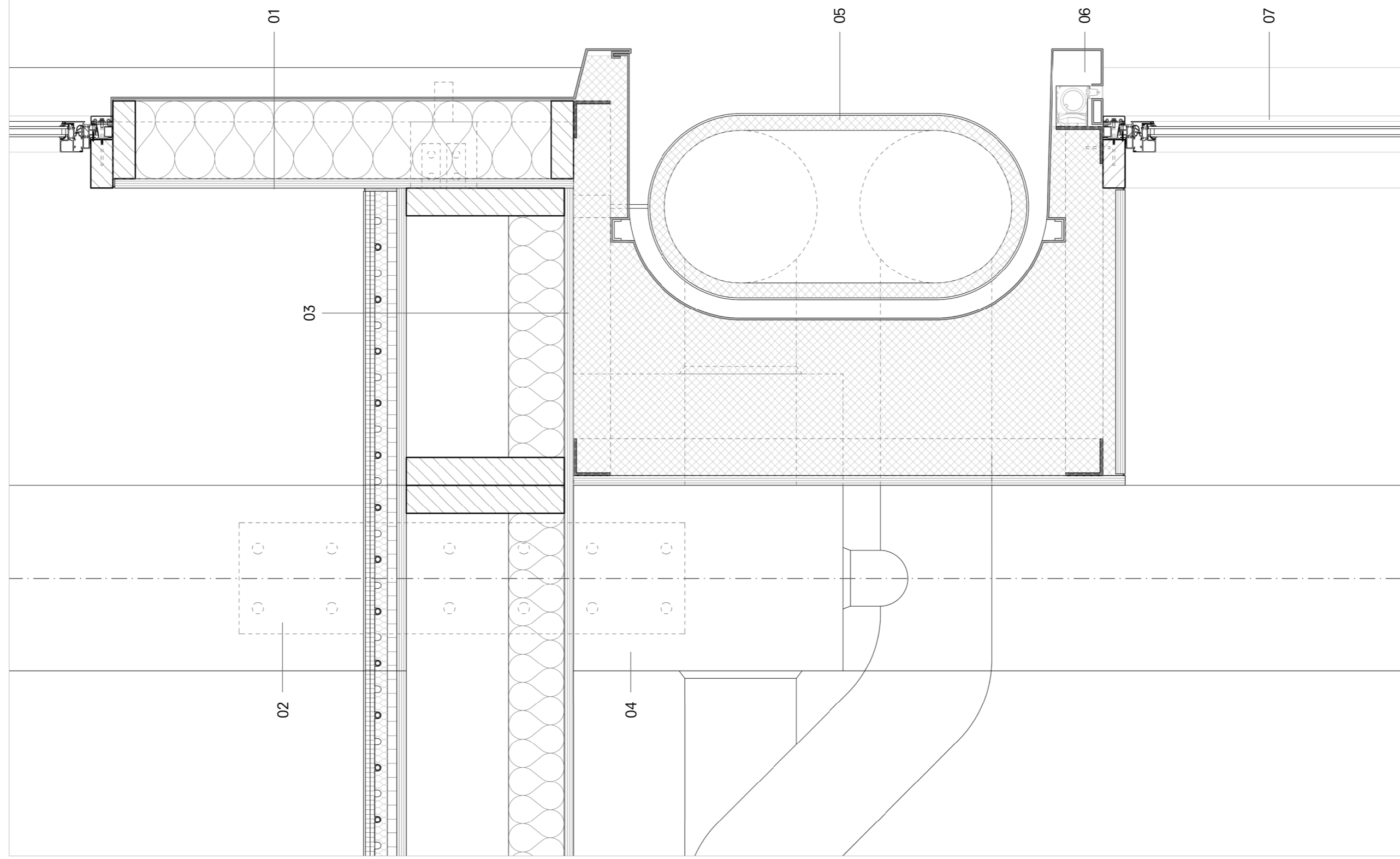
DETAIL 1: FOUNDATION

FOUNDATION level 0

- 01 wood aluminium curtain wall with extended vertical mullions
- 02 over dimensioned wood column
- 03 floor (top - bottom)
 - PVC floor finishing
 - adhesive tape
 - gypsum sheets 2 x 12,5 mm
 - dry floor heating
 - heat proof plate
 - installation
 - cardboard honeycomb filled with dry levelling compound 30 mm
 - reinforced concrete slab 260 mm
 - XPS insulation 150 mm
- 04 Holonite flat sill
- 05 insulated lower edge board



DETAIL 2: MAIN FACADE PRINCIPLE



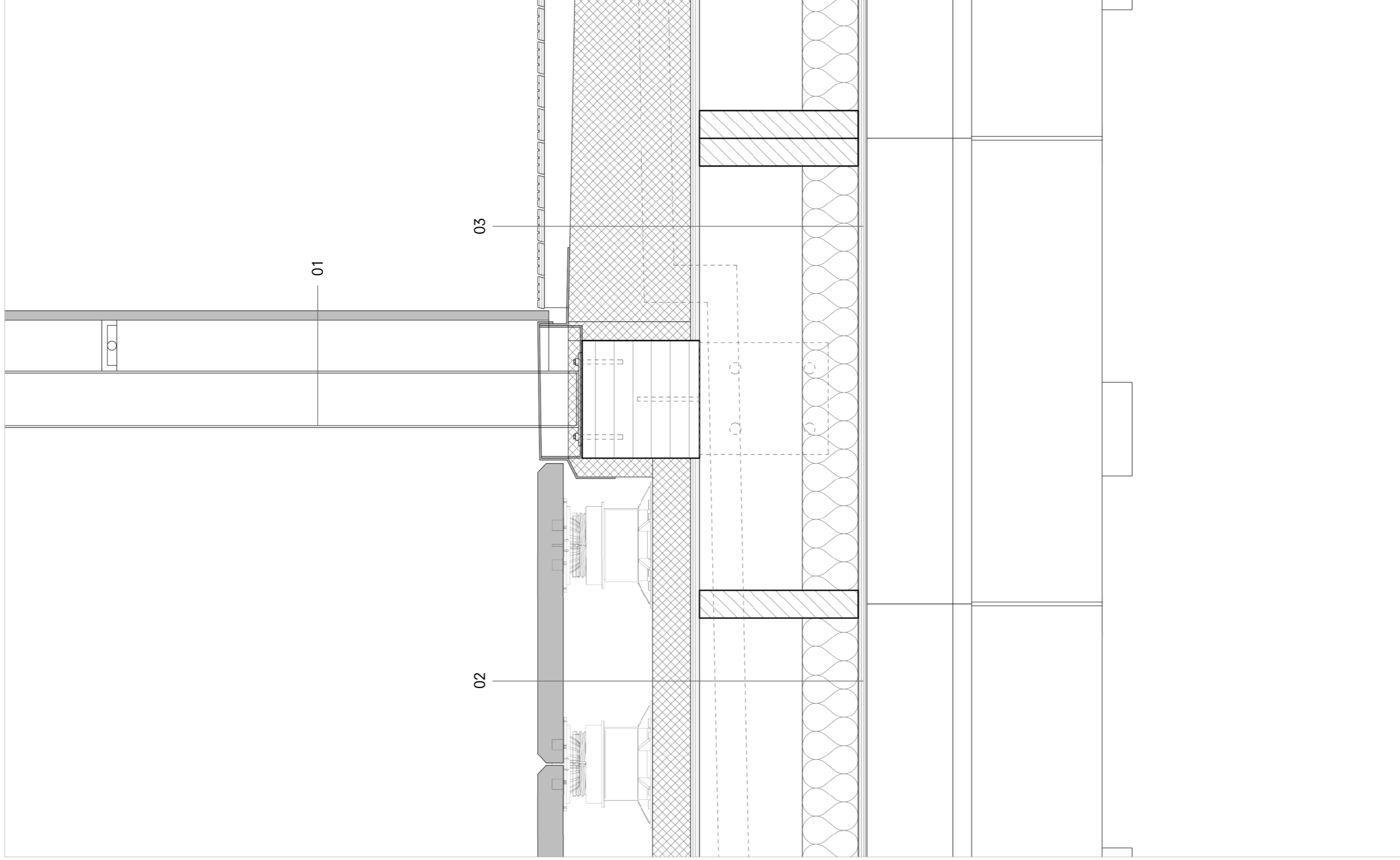
MAIN FACADE PRINCIPLE level 1

- 01 facade (left - right)
 - multiplex interior quality
 - vapour control barrier
 - insulation
 - steel curtain wall construction
 - water proof barrier
 - aluminium sheet
- 02 structure
 - over dimensioned CLT beam 500 x 500 mm
 - dry steel bold connection
- 03 floor (top - bottom)
 - PVC adhesive floor
 - adhesive tape
 - gypsum sheets 2 x 12,5 mm
 - dry floor heating
 - heat proof plate
 - insulation
 - cardboard honey comb filled with dry levelling compound
 - over dimensioned kerto ripa element with acoustic ceiling
- 04 installation
 - Enjay heavy duty heat exchanger (made for polluted air)
 - local pollution control unit
 - grease collection
- 05 insulated ventilation duct housing
- 06 roller blinder
- 07 wood - aluminium curtain wall with extended vertical mullions

DETAIL 3: ROOF + GREENHOUSE

GREENHOUSE level 3

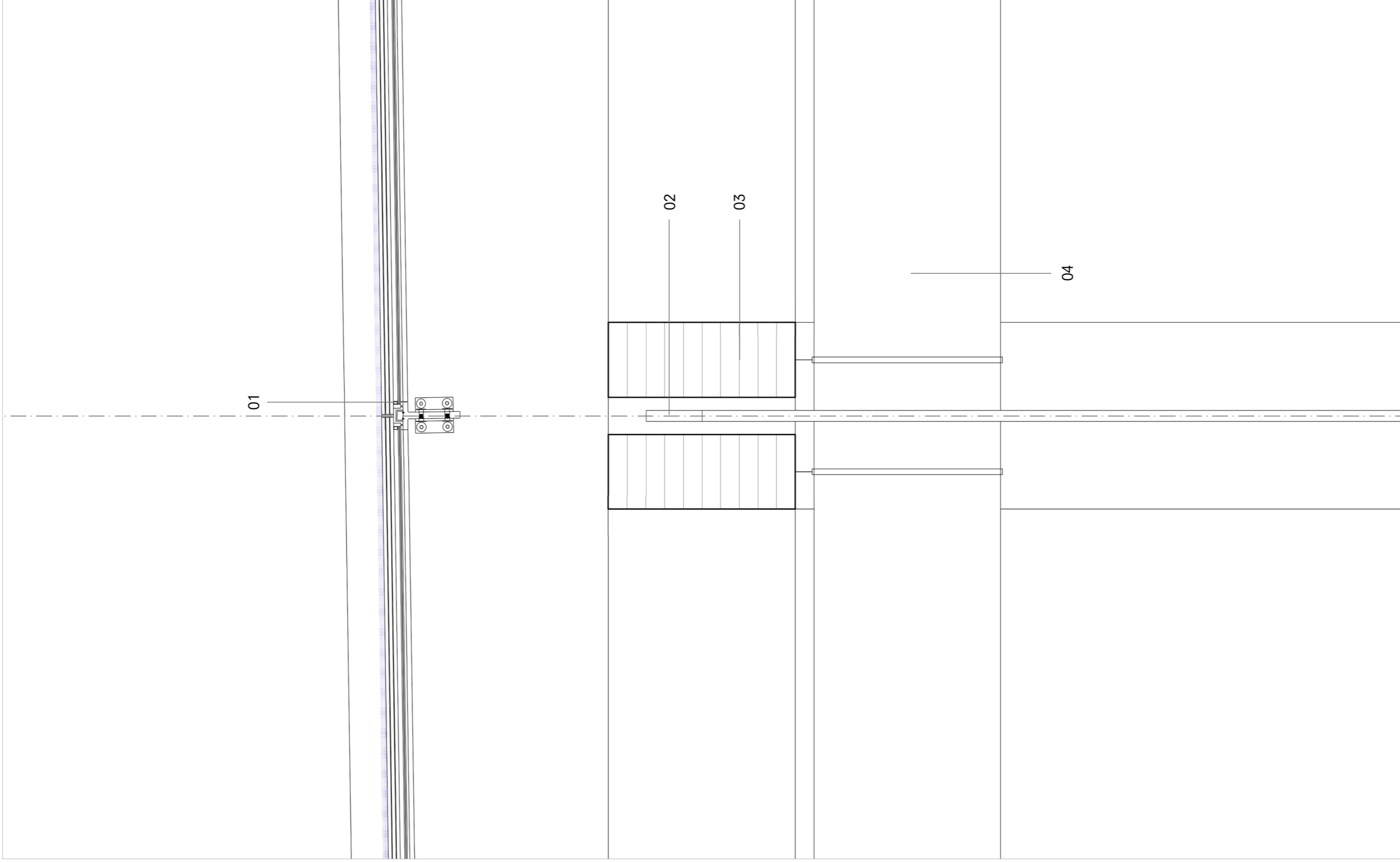
- 01 greenhouse (left - right)
 - steel column 150 x 60 mm
 - steel purlin (138 x 40 mm)
 - aluminium facade rods
 - clean glass
- 02 floor (top - bottom)
 - raised concrete tiles
 - supply lined
 - return water pipe
 - CO2 supply
 - waterproof membrane
 - insulation 100 mm
 - over dimensioned kerto ripa floor 475 mm with acoustic insulation and vapour control layer
- 03 terrace (top - bottom)
 - accoya planks
 - terrace raisers
 - waterproof membrane
 - insulation
 - water collection
 - kerto ripa floor



DETAIL 4: ATRIUM ROOF

ATRIUM ROOF roof

- 01 roof (top - bottom)
 - running water for cooling
 - structural glass seamless
 - steel construction
- 02 steel tension rod connect to side column
- 03 over dimensioned double CLT "vierendeeliger"
- 04 installations, end food system



DETAIL 5: HANGING KITCHEN

HANGING KITCHEN level 2

- 01 glass balustrade
- 02 structure (left - right)
 - welded UNP profiles
 - steel tension rod 30 mm
- 03 floor (top - bottom)
 - PVC floor finishing
 - adhesive tape
 - gypsum sheets 2 x 12,5 mm
 - dry floor heating
 - heat proof plate
 - installation
 - cardboard honeycomb filled with dry levelling compound 30 mm
 - kerto ripa floor element with acoustic elements
 - gypsum plate
 - MDF

