



Public Condenser: KØKKEN +

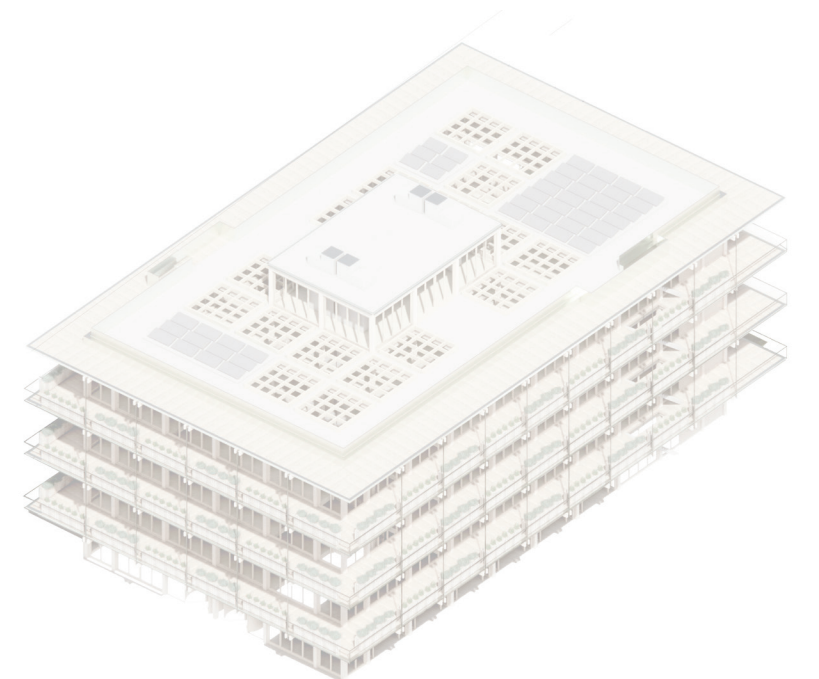
Public Building Graduation Studio 2024-25
Public Condenser | Copenhagen | AR3AP10

Ezgi Üzümcü 6036074

1st Mentor: Antonio Cantero, 2nd Mentor: Ger Warries, 3rd Mentor: Sang Lee

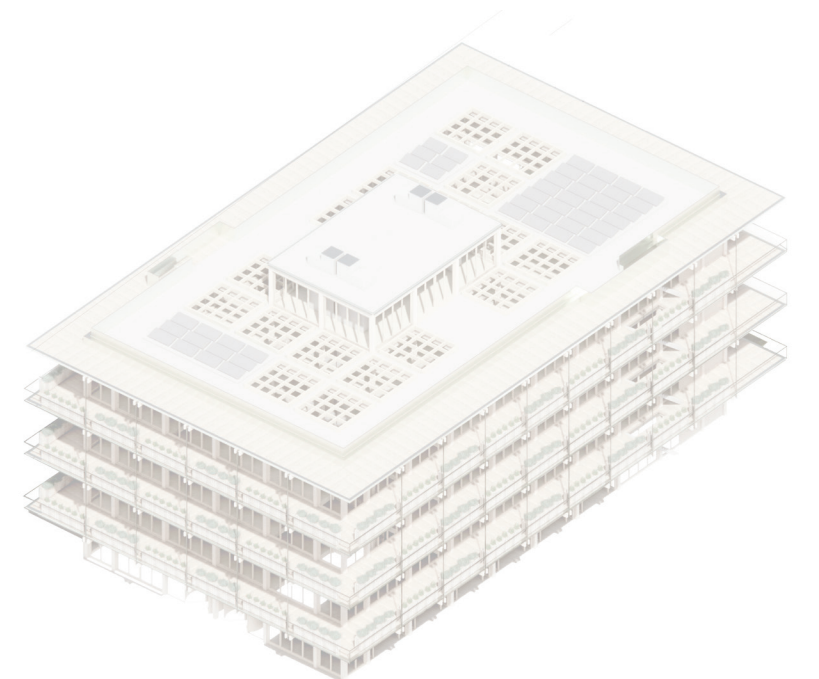
“A new architectural approach where a building or space is intentionally designed to bring together diverse groups of people, programs, and activities, fostering social interaction, cultural exchange.”

Public Condenser



Could the Act of Cooking Transform How We Gather, Connect,
and Exchange Ideas in Public Spaces?

Public Condenser: KØKKEN +



Urban Data

Fællesspisning, Folkekøkkener
Communal Dining, Community Kitchens



Folkehuset Absalon

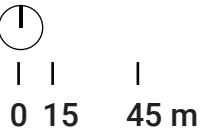


Kapelvej 44, Nørrebro



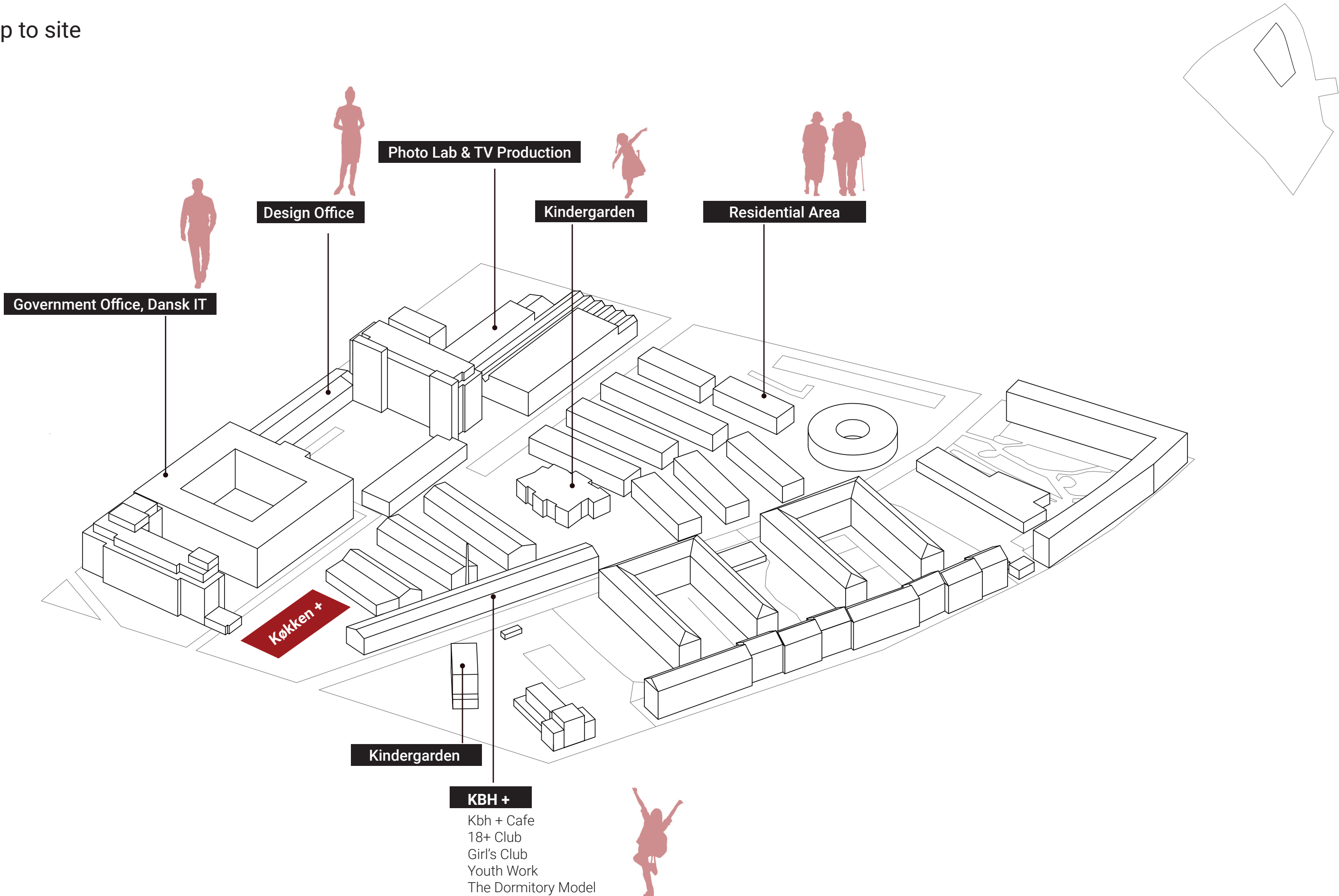
Urban Data

Haraldsgade-kvarteret



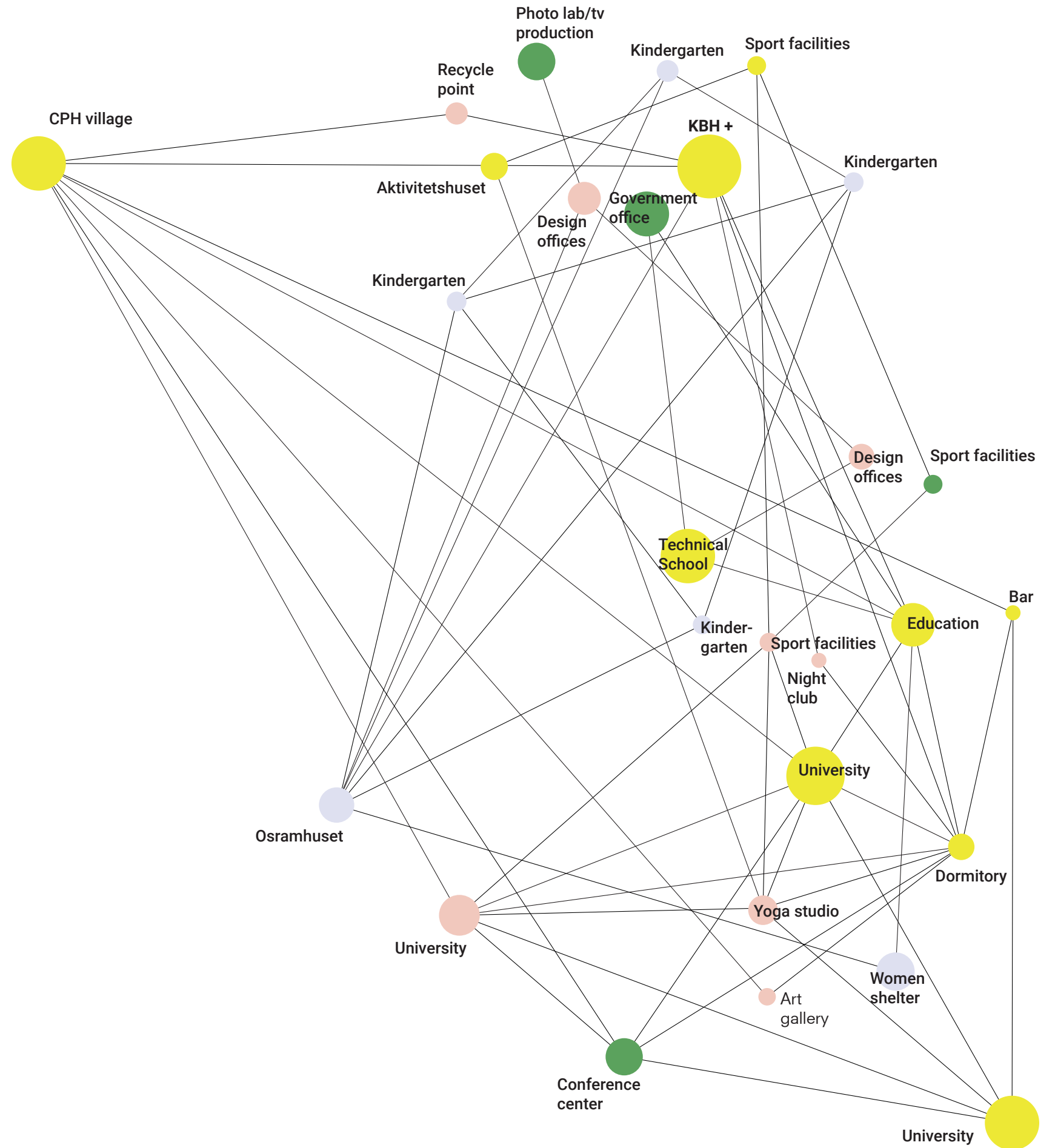
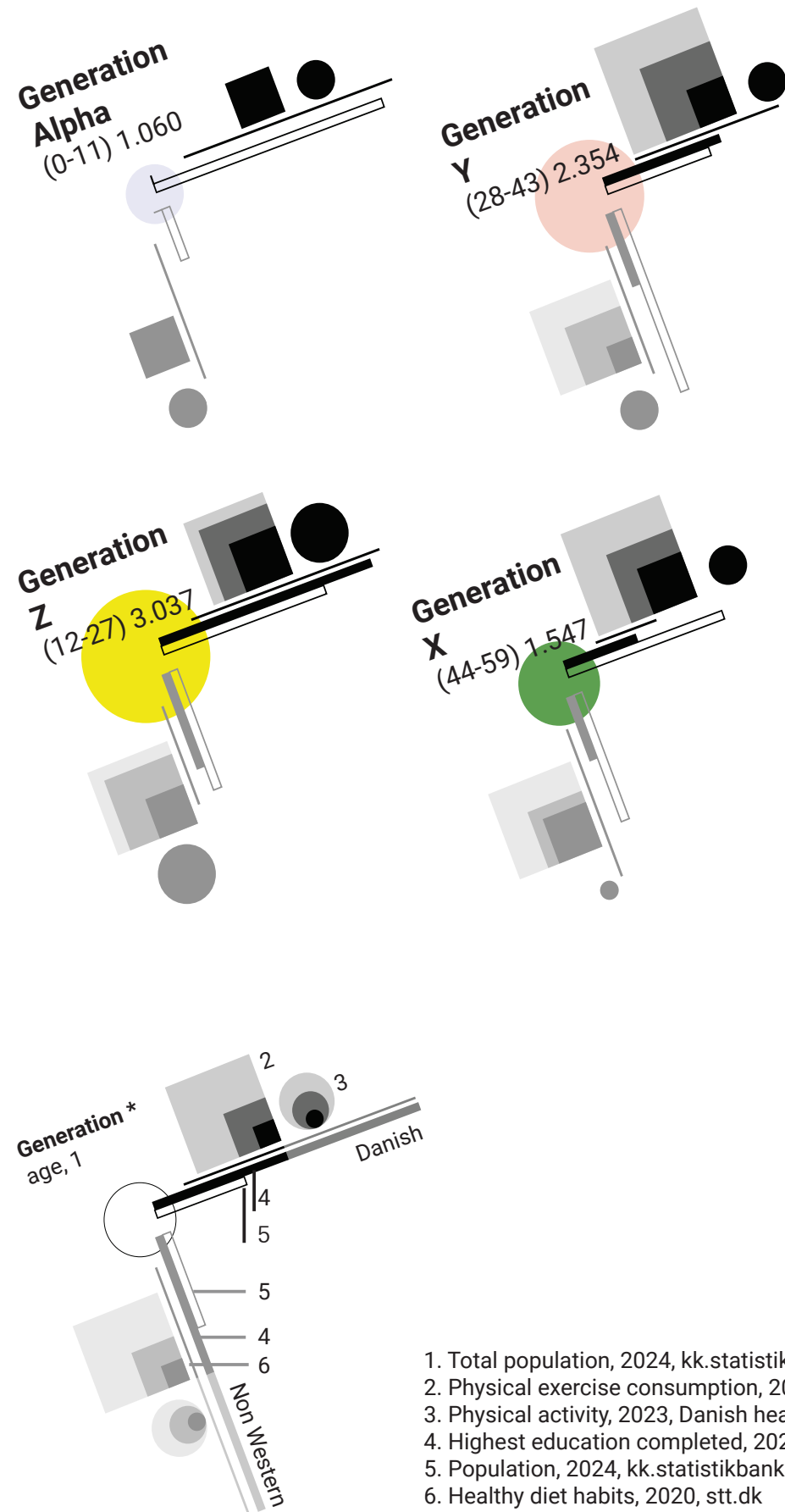
Urban Data

Close-up to site



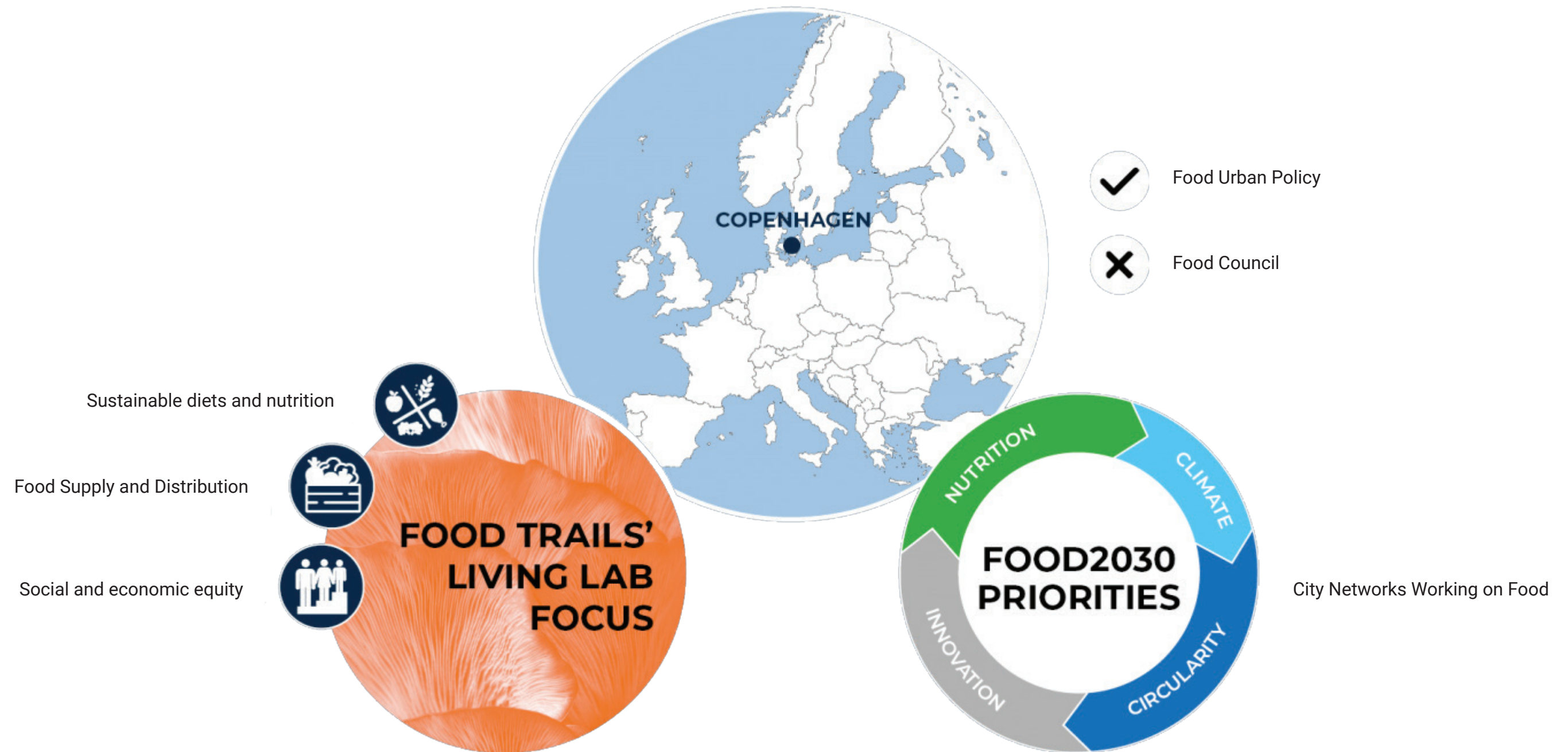
Urban Data

Generations in Haraldsgade-kvarteret



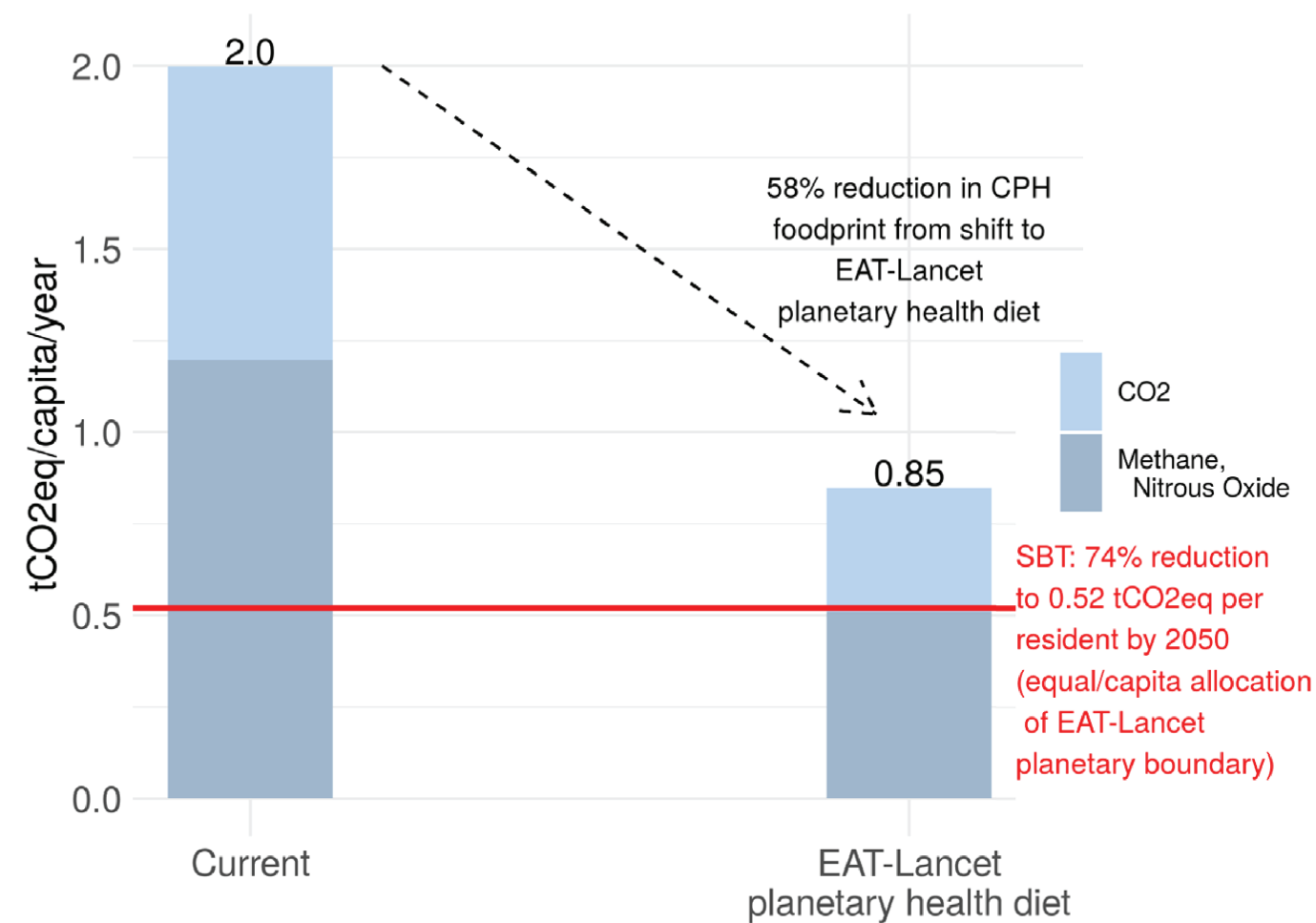
Urban Data

The City of Copenhagen Food Strategy

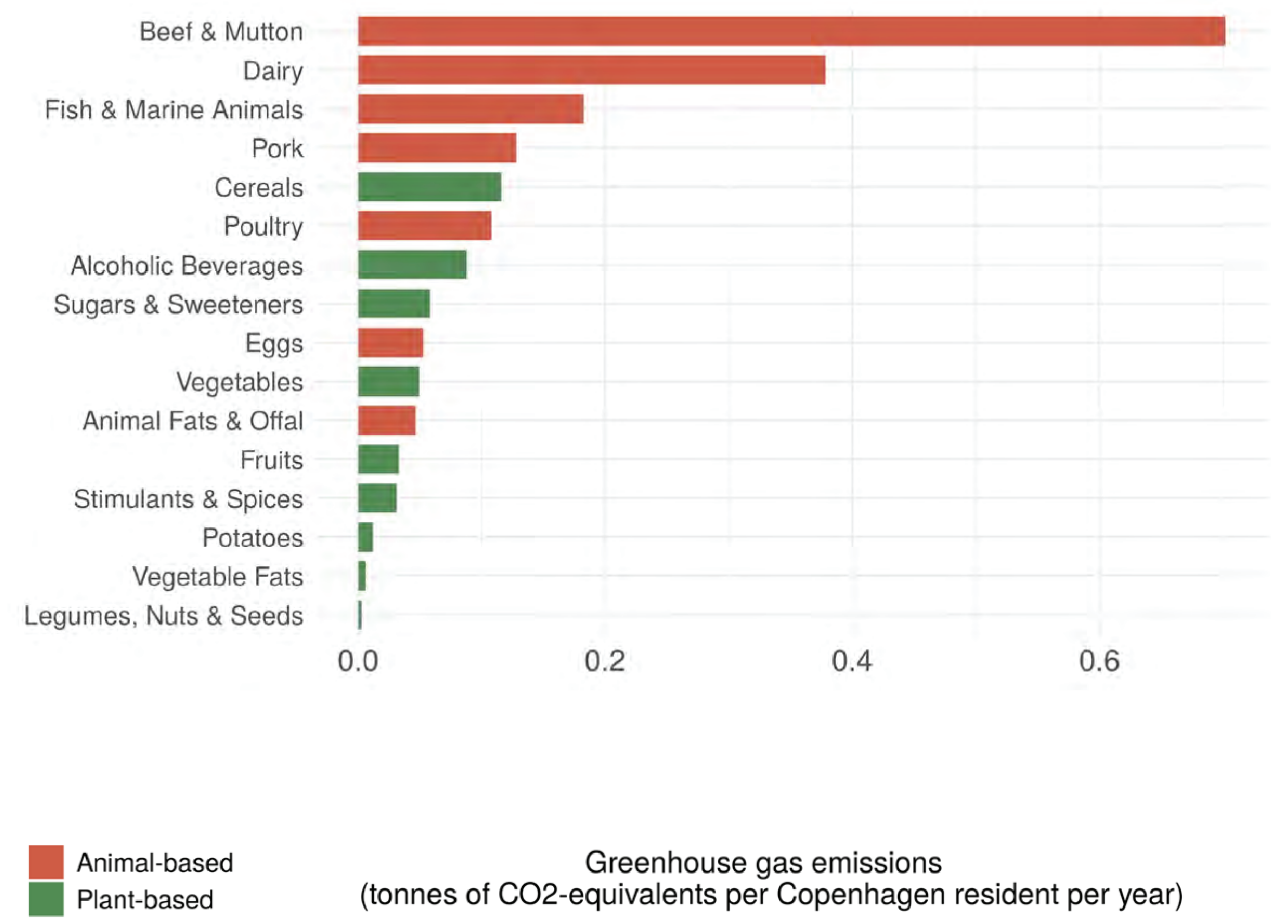


Urban Data

EAT - Shifting Urban Diets



Current and potential tonnes of CO² equivalent per Copenhagen resident per year from food consumption



Greenhouse gas emissions (tonnes of CO²-equivalents per Copenhagen resident per year)

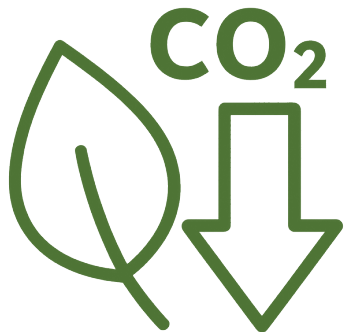
GHG emissions in tonnes of CO² equivalents per Copenhagen resident per year by food group

Public Condenser: Køkken +

New Food Strategy



Health Promotion
Low energy food



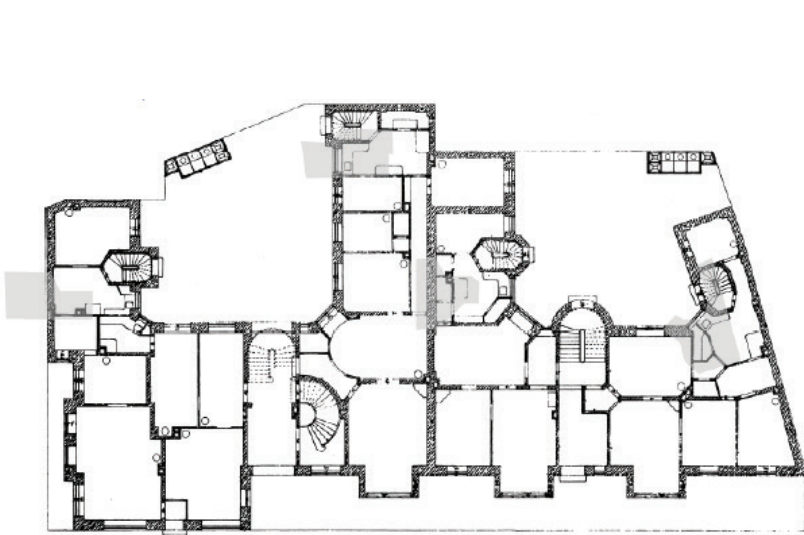
CO₂ Reduction
Plant-based diet



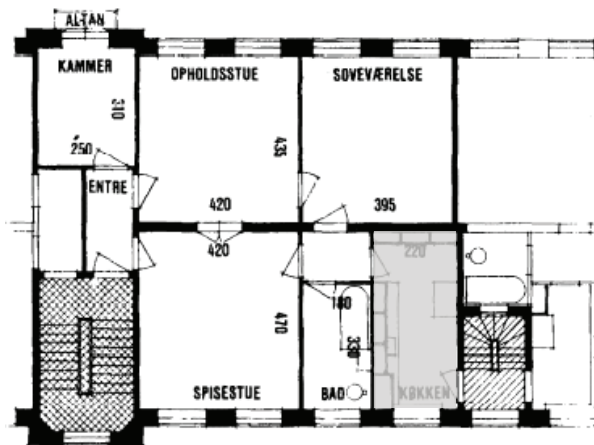
Waste Management
Composting

Historical Data

Kitchens in Domestic Use



Kitchens 100 years ago
Danish Housing, 1898



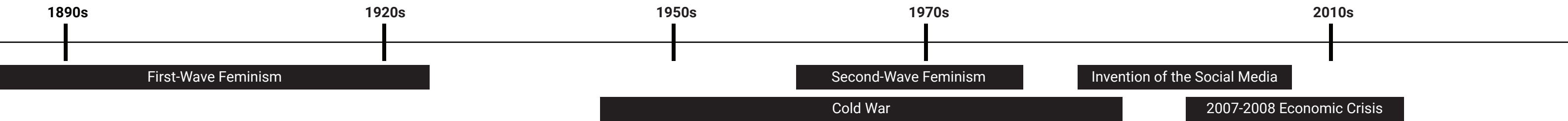
Modern Kitchens
Classens Garden, Edward Heiberg, Denmark, 1925



Shared Kitchens
Tingbjerg, Steen Eiler Rasmussen, 1960s - 1970s

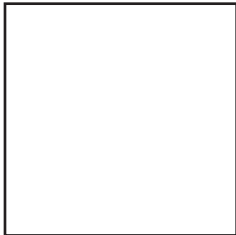


Collectivity in Kitchens
Typical Danish detached housing, 2011

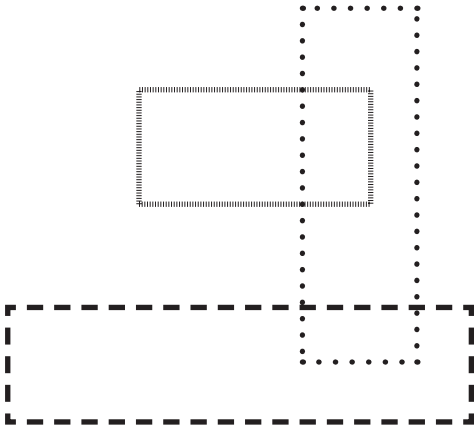


A New Way of Thinking

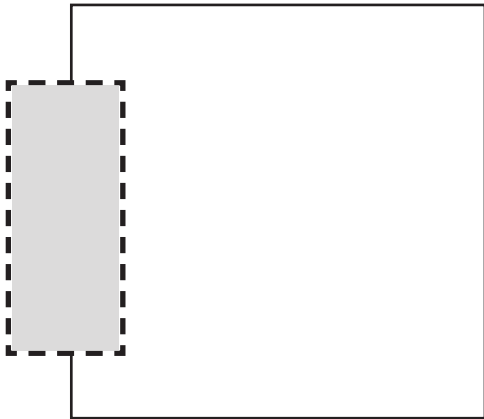
Kitchens in Public Use



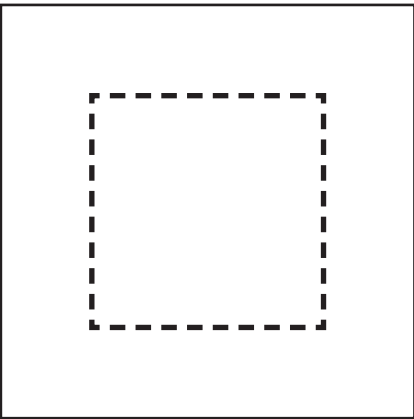
Public Kitchens
Visible



Multifunctionality Kitchen
Kitchen + Activities



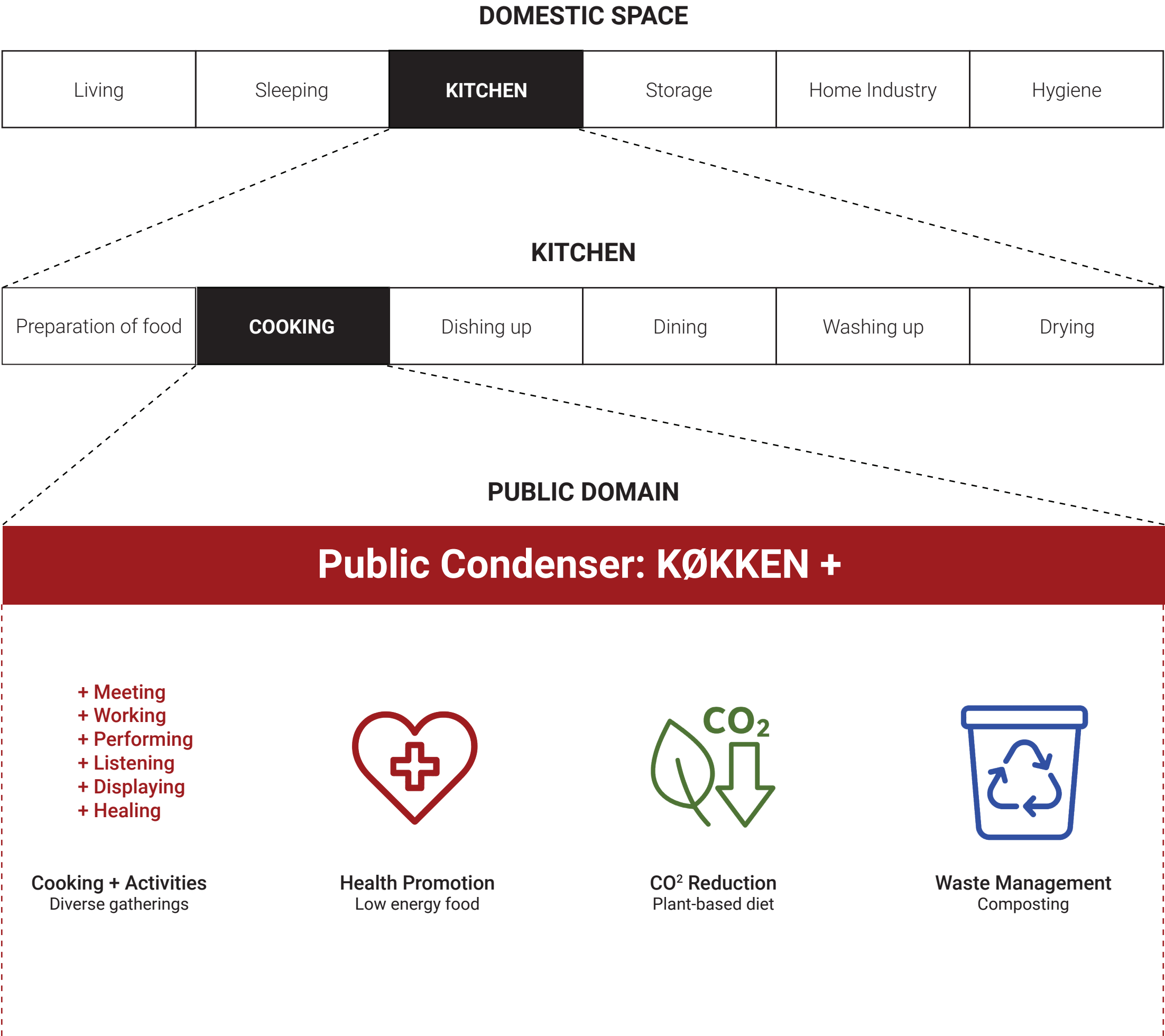
Shared Kitchens
Exterior - Interior Relations



Collectivity
Food Waste Management Activities

Conclusion

Domestic to Public

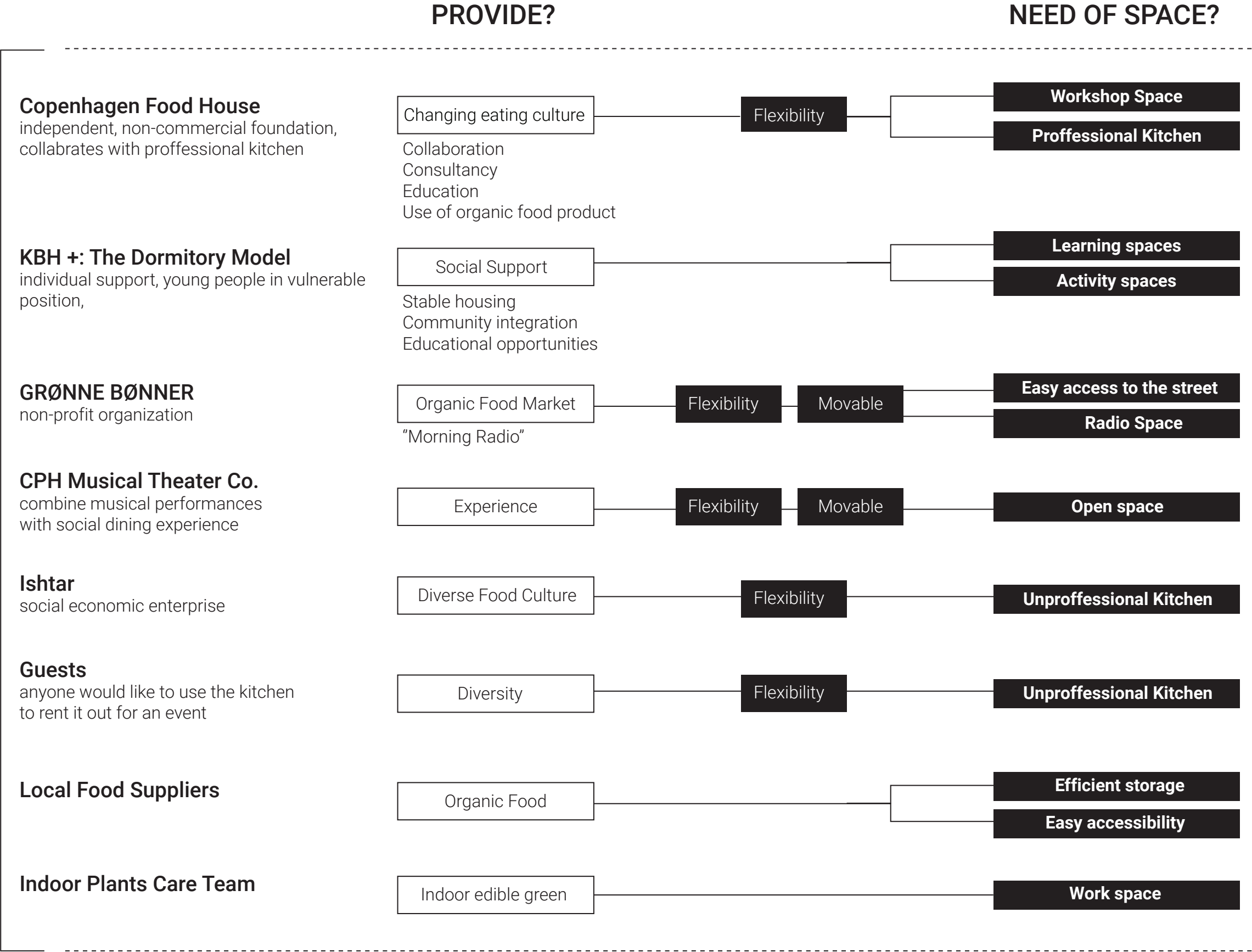




Impression

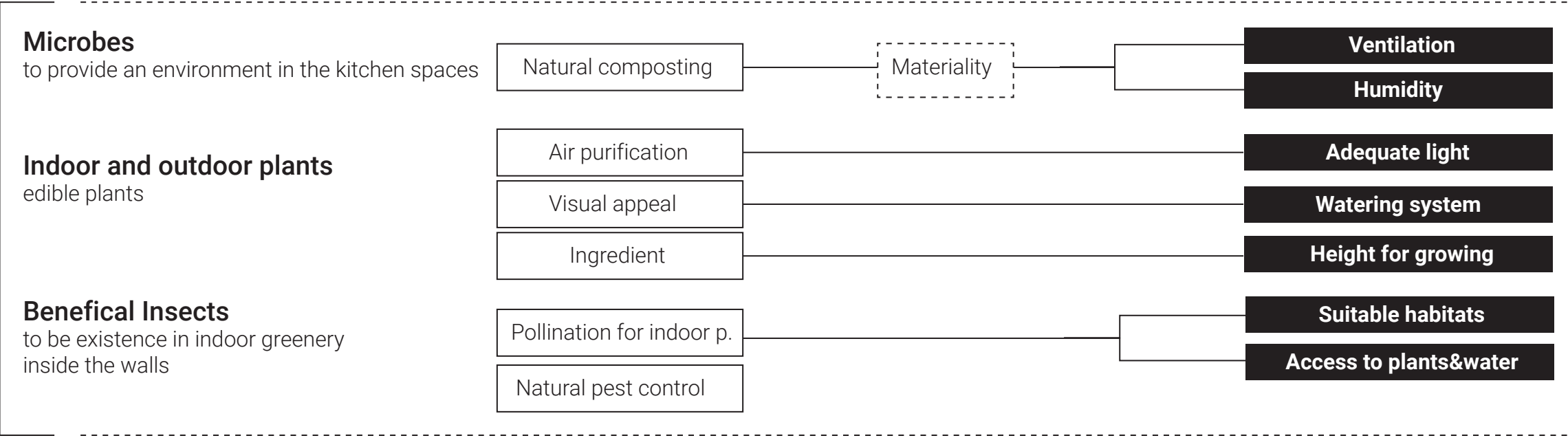
Occupants

Human



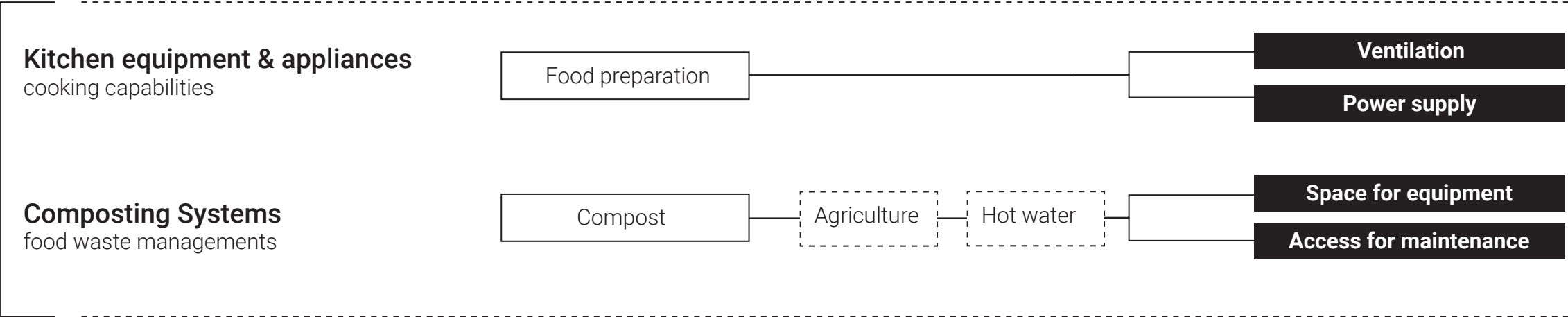
Occupants

Non-Human

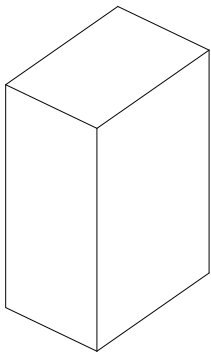


Occupants

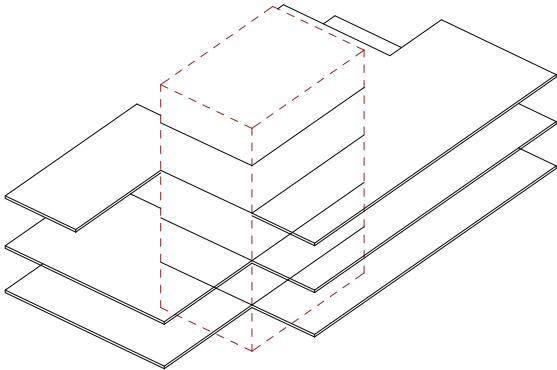
Post-Human



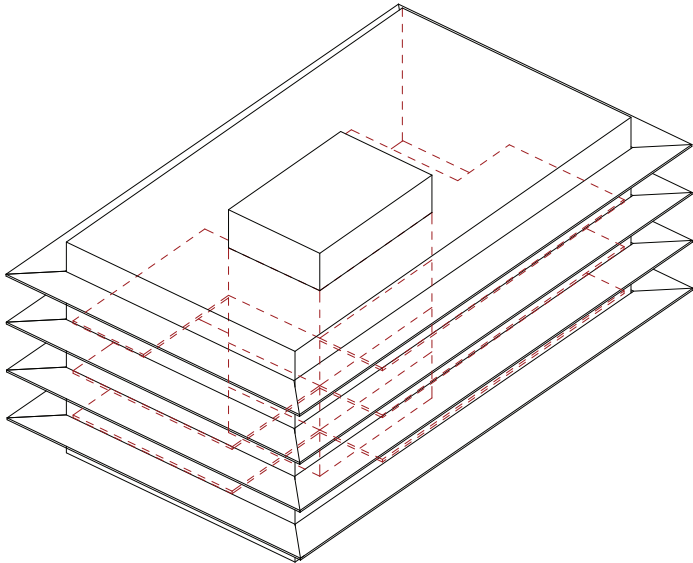
Building Design Strategy



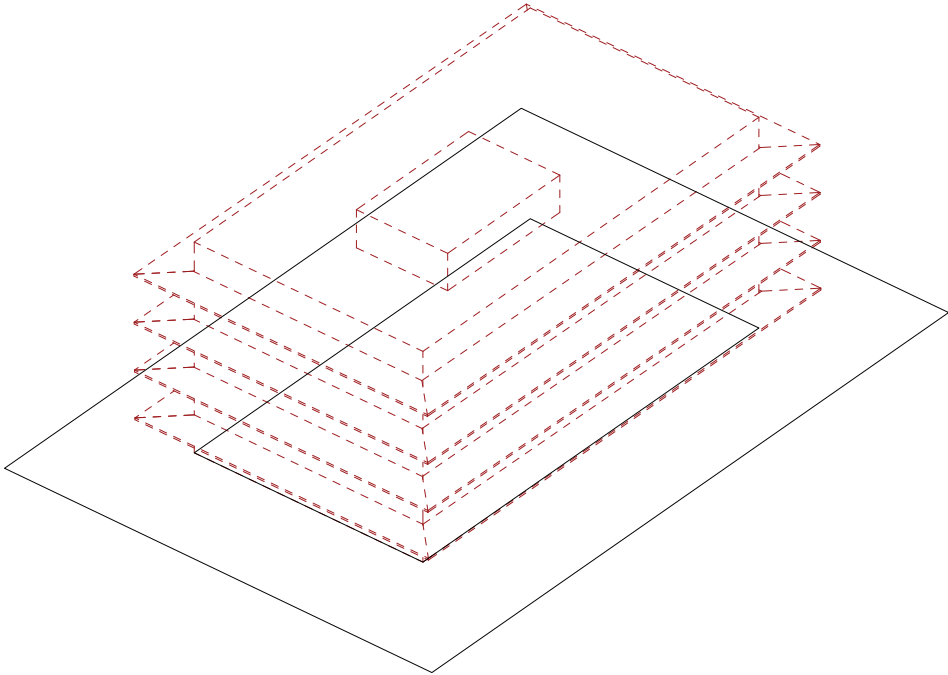
S Scale
Building Central Spine



M Scale
Surfaces Attaching



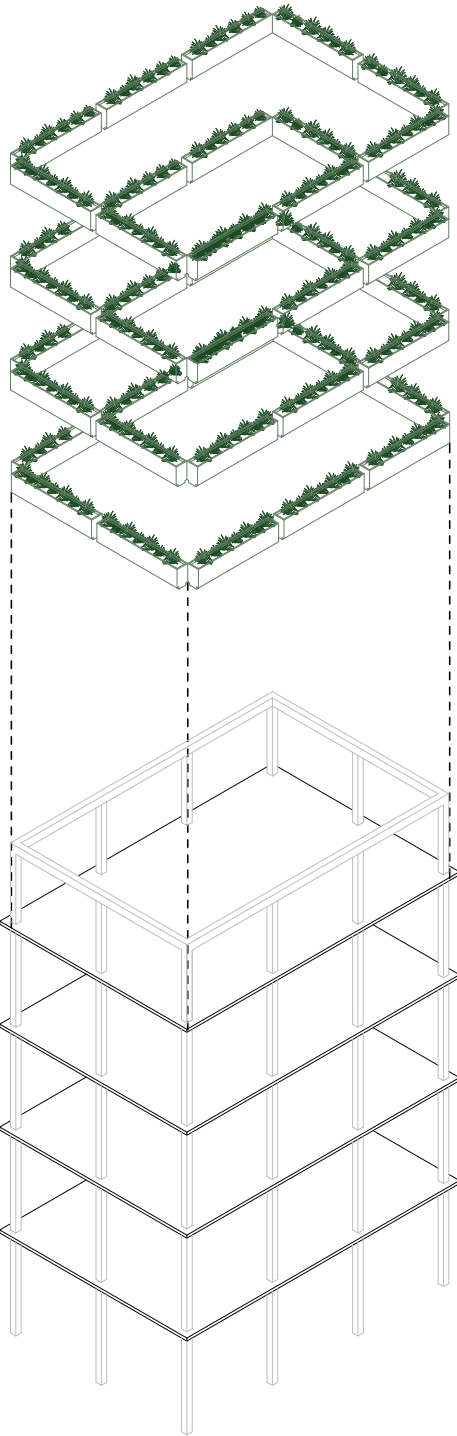
L Scale
Building Scale



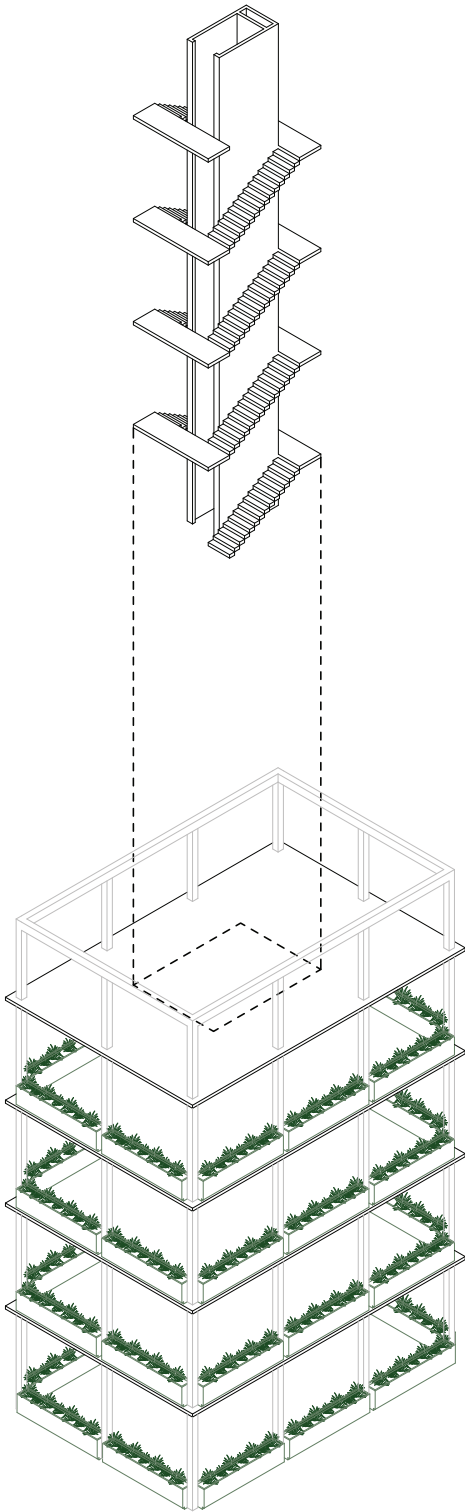
XL Scale
Exterior Surroundings

Building Design Strategy

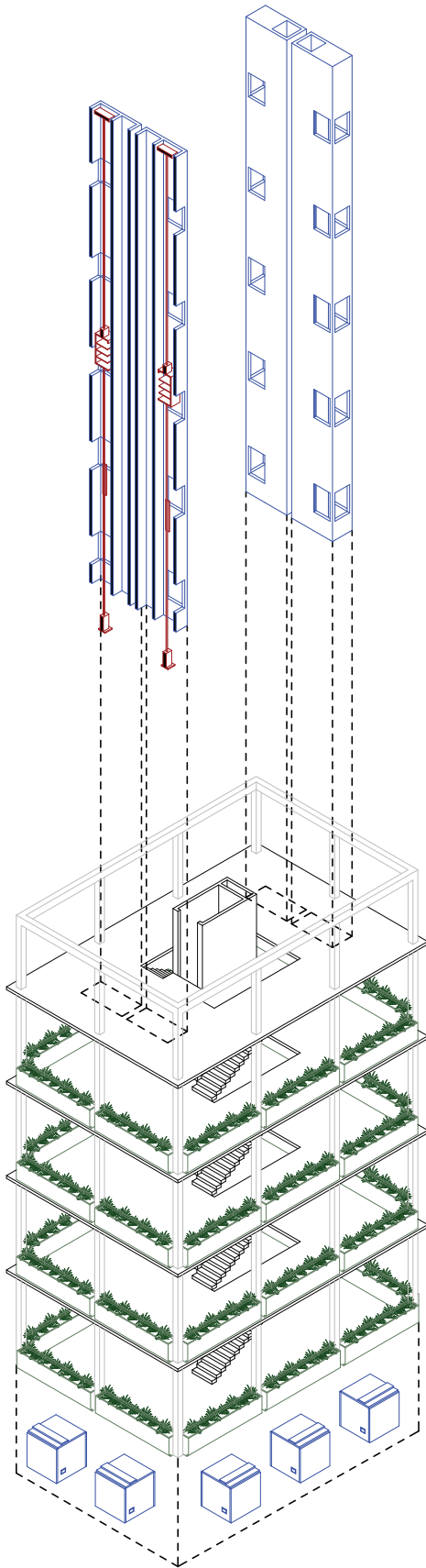
Edible Greenery



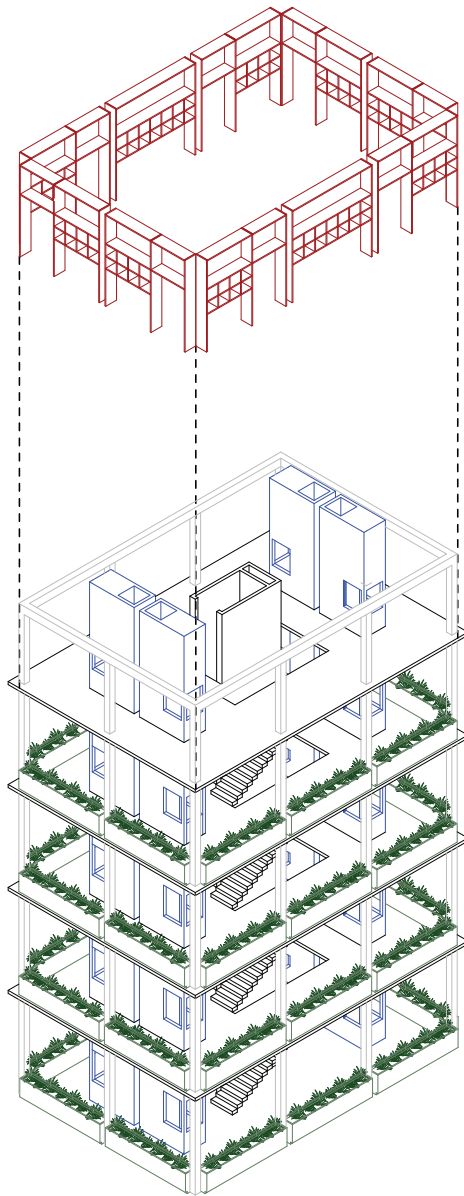
Circulation



Food Lift + Composting Machine



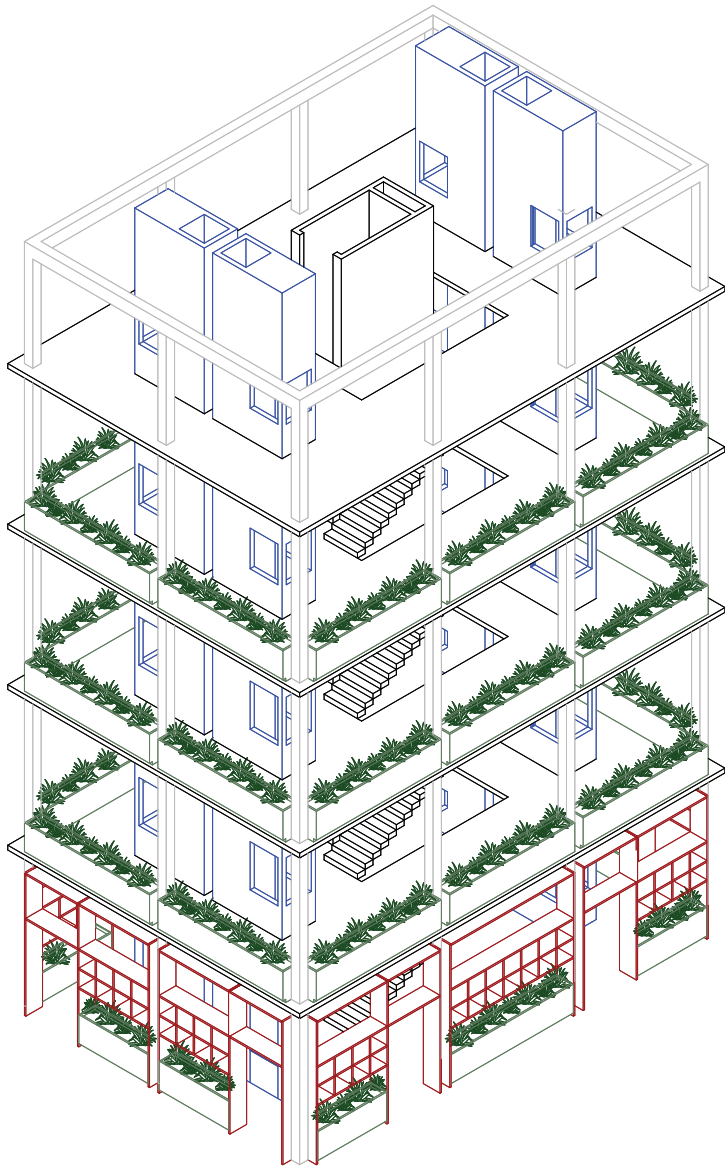
Furniture + Storage



S Scale: Building Central Spine

Building Design Strategy

Biodiversity



Basil



Oregano



Rosemary



Thyme



Arugula



Kale



Spinach

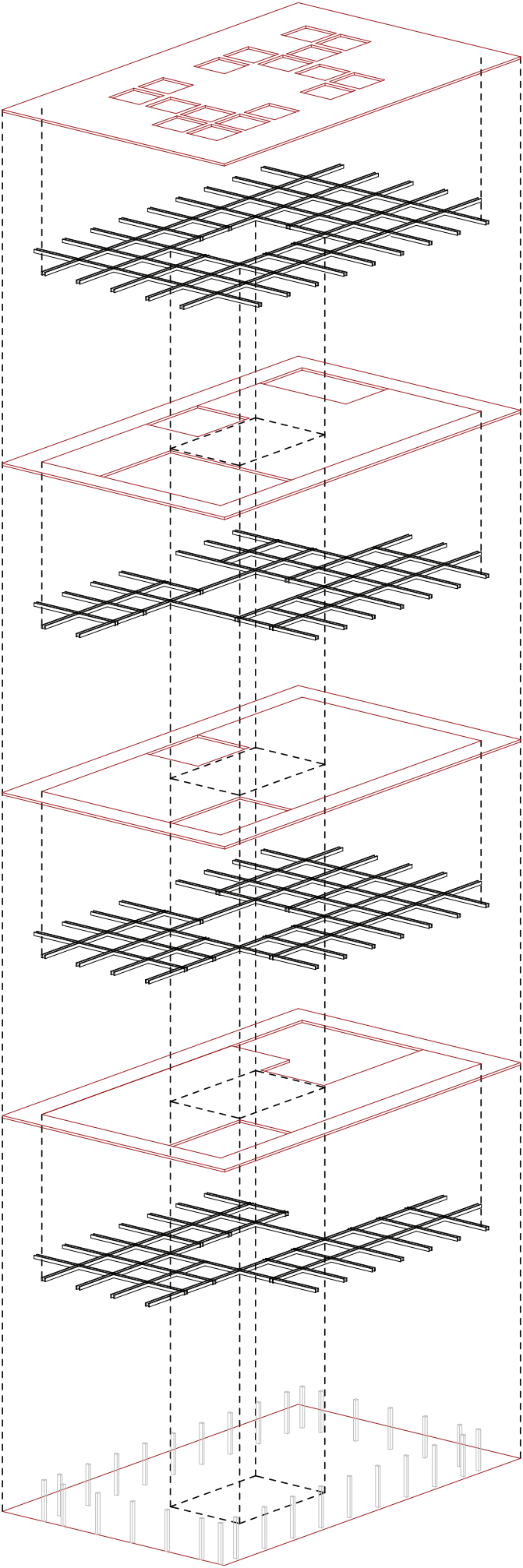
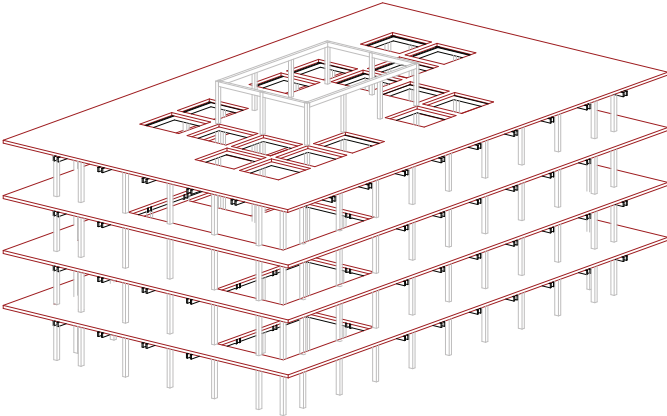


Chard

S Scale: Building Central Spine

Building Design Strategy

Structure



4th Floor Enclosure

4th Floorplate

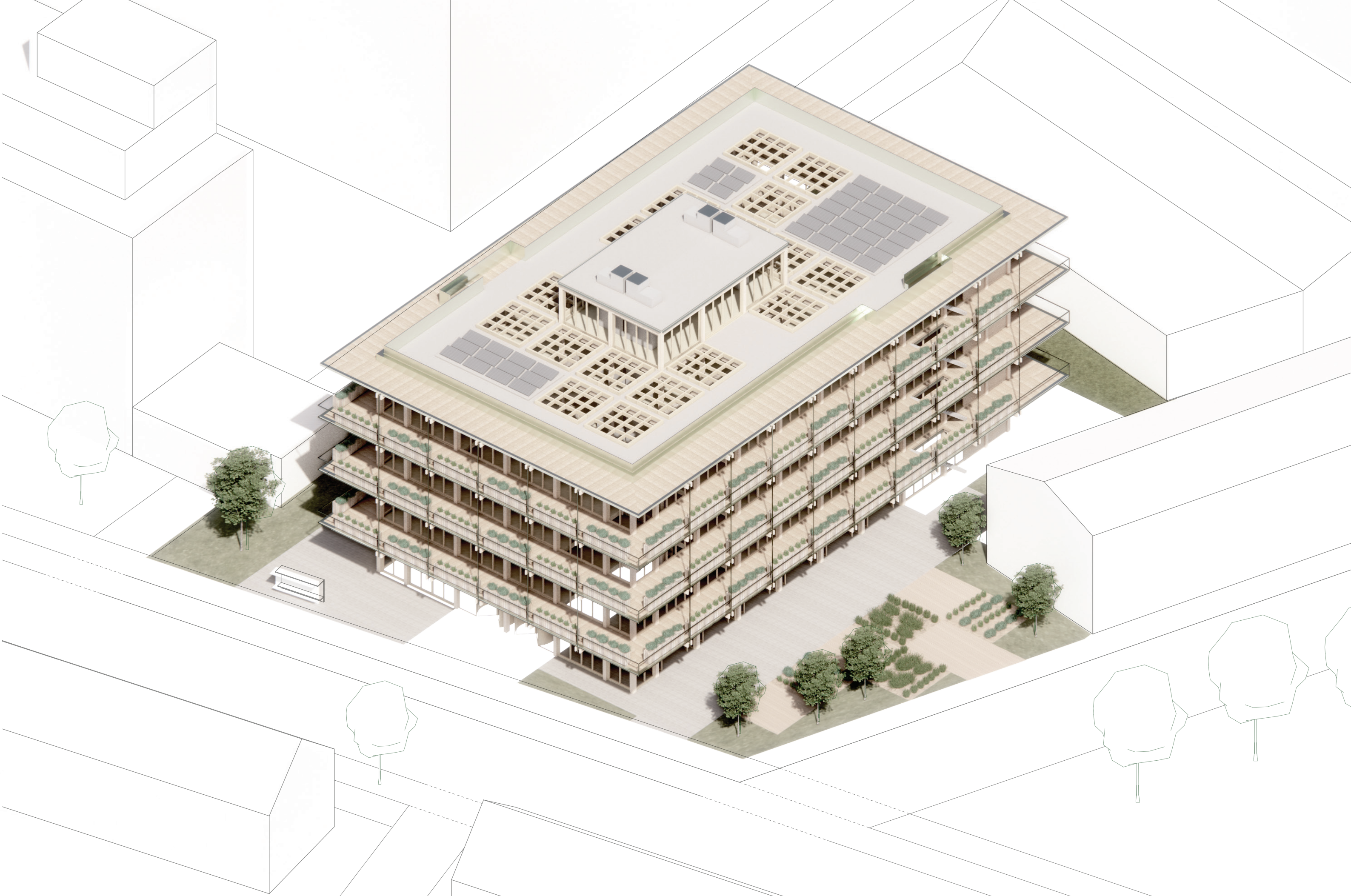
3rd Floorplate

2nd Floorplate

Beam Grid

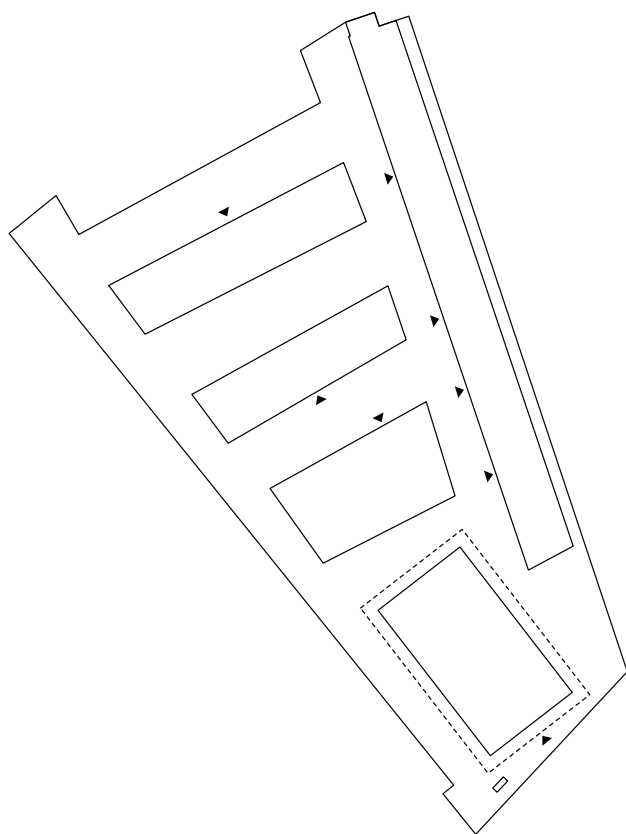
Columns Grid

M Scale: Surfaces attaching

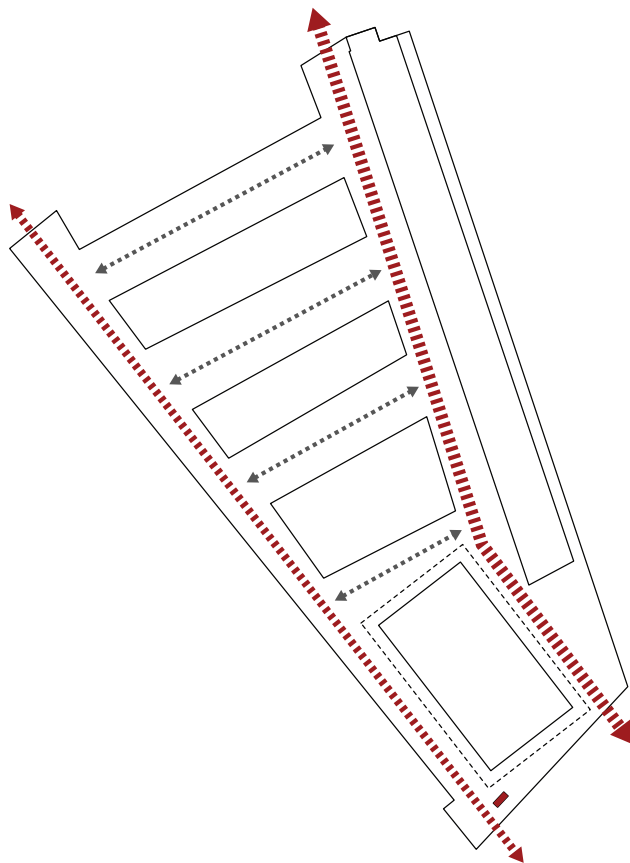


L Scale: Building scale

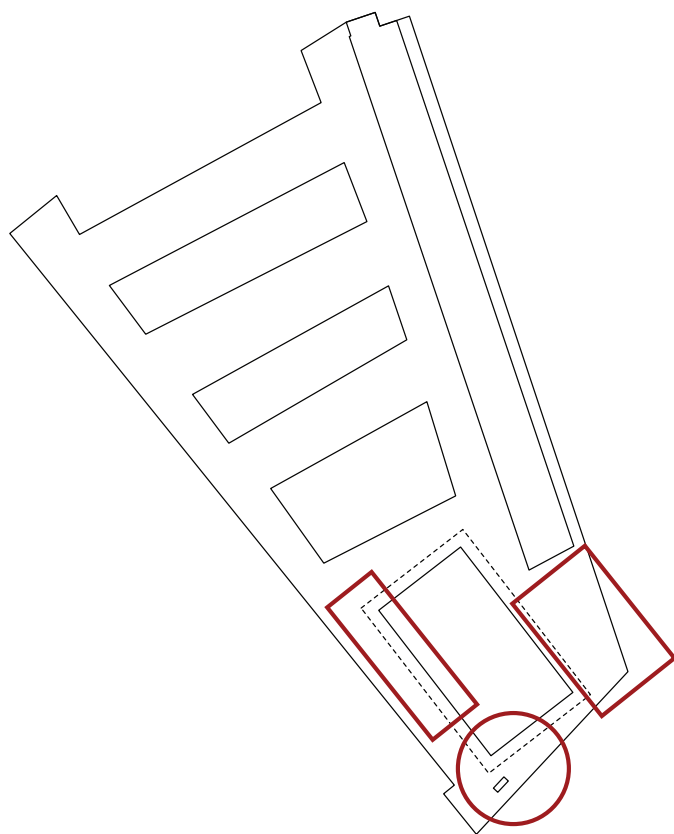
Building Design Strategy



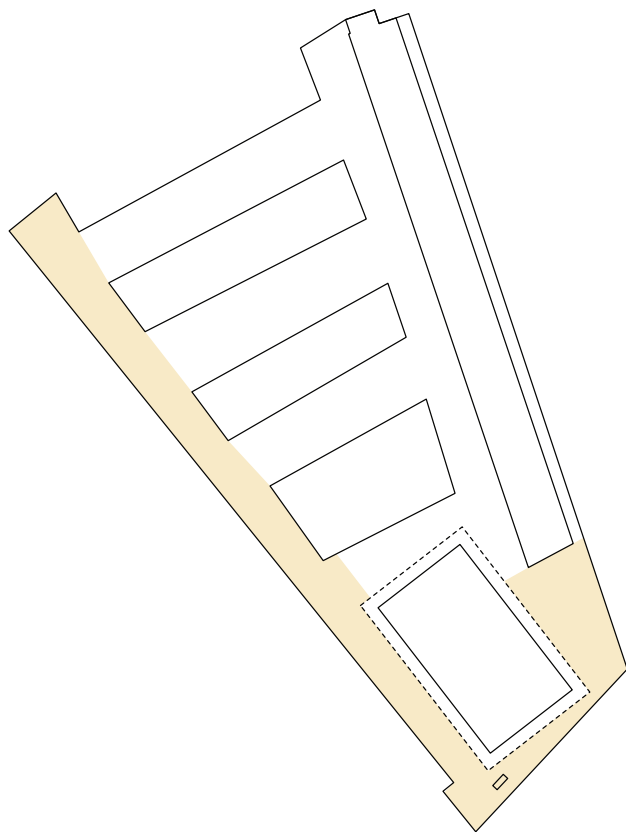
Entrances



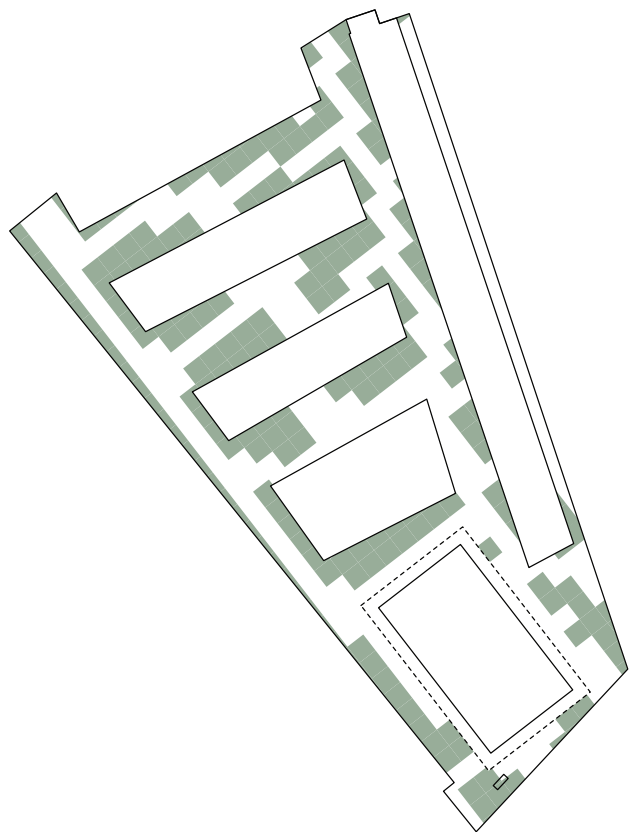
Main axis



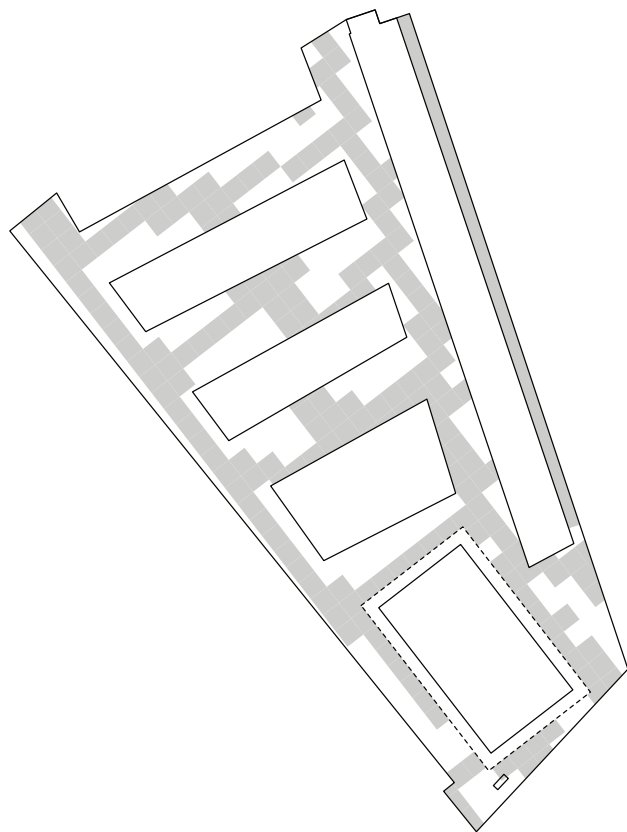
Focus areas



Sun accessibility



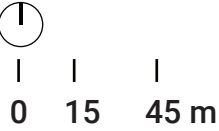
Soft scape



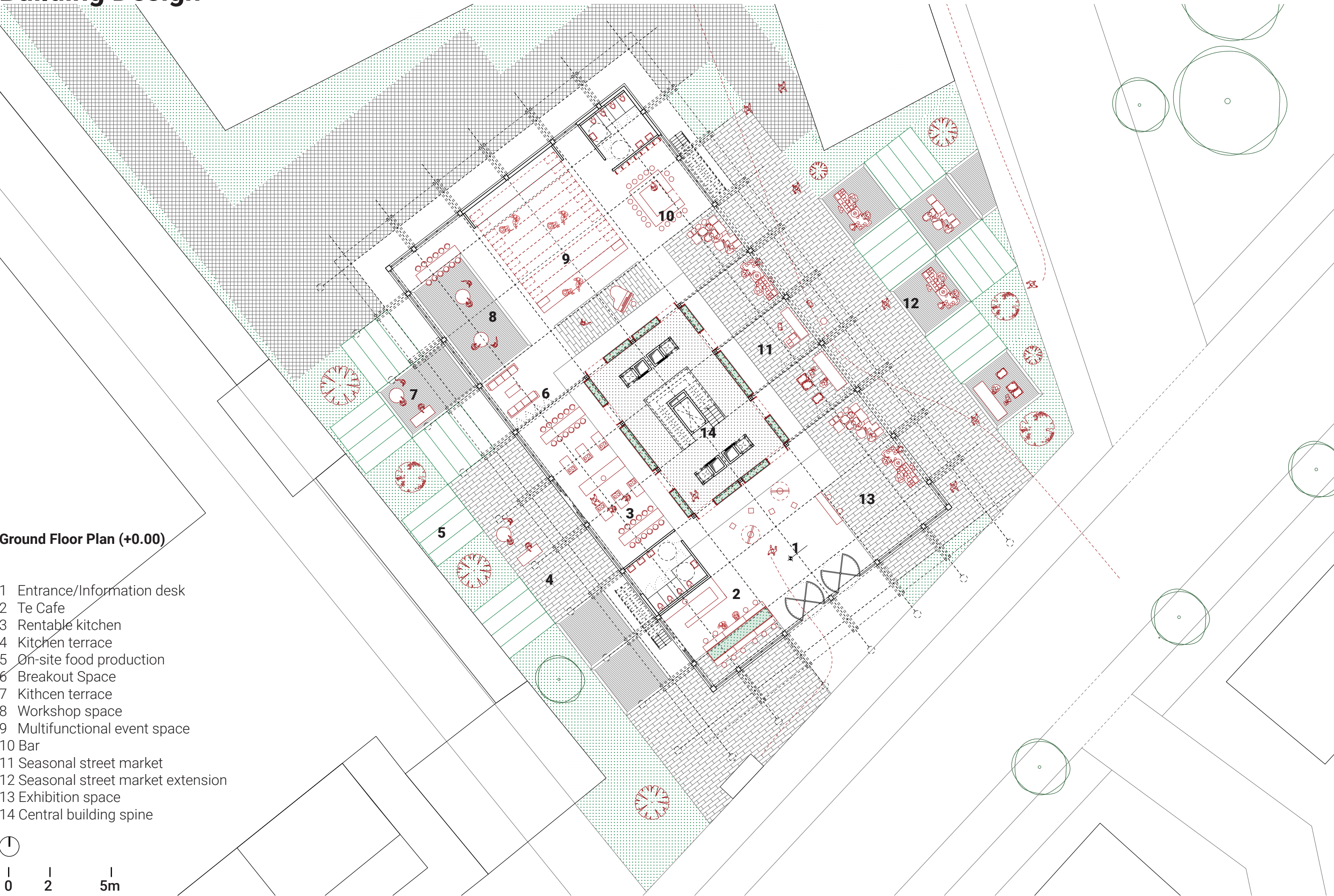
Hard scape

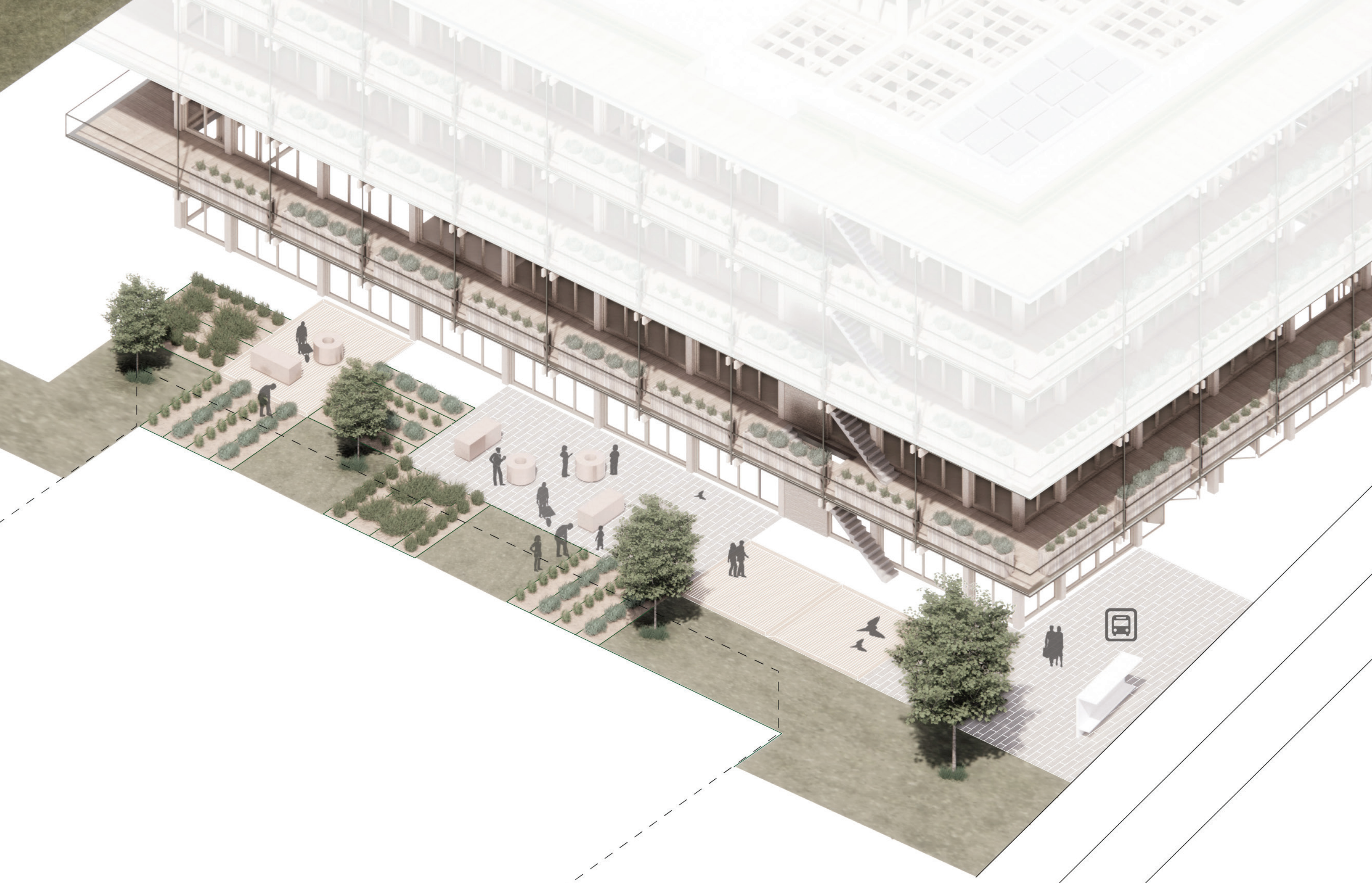
XL Scale: Exterior surroundings

Site Plan



Building Design





Seasonal -Open Air- Kitchen



Organic Food Market and Urban Green Square

Building Design Strategy

Biodiversity



Trees: Shade | Structure | Biodiversity

Lime Trees
(Tilia spp.)

Mountain Ash
(Sorbus spp.)

Cherry Laurel
(Prunus laurocerasus)



Flowering Shrubs: Long flowering | pollinator-friendly

Hydrangea

Butterfly Bush
(Buddleja)

Lilacs
(Syringa spp.)



Perennials & Groundcovers: Color | Texture | Low maintenance

Campanula
(Bellflower)

Heathers
(Calluna, Erica)

Ferns



Herbs & Grasses: Aromatic | Drought-tolerant | Wildlife

Lavender

Sage
(tea)

Ornamental
Grasses



Edible Plants : Seasonal yield | Urban agriculture

Raspberries

Strawberries

Blackberries



Native Wildflowers : Supports pollinators and resilience

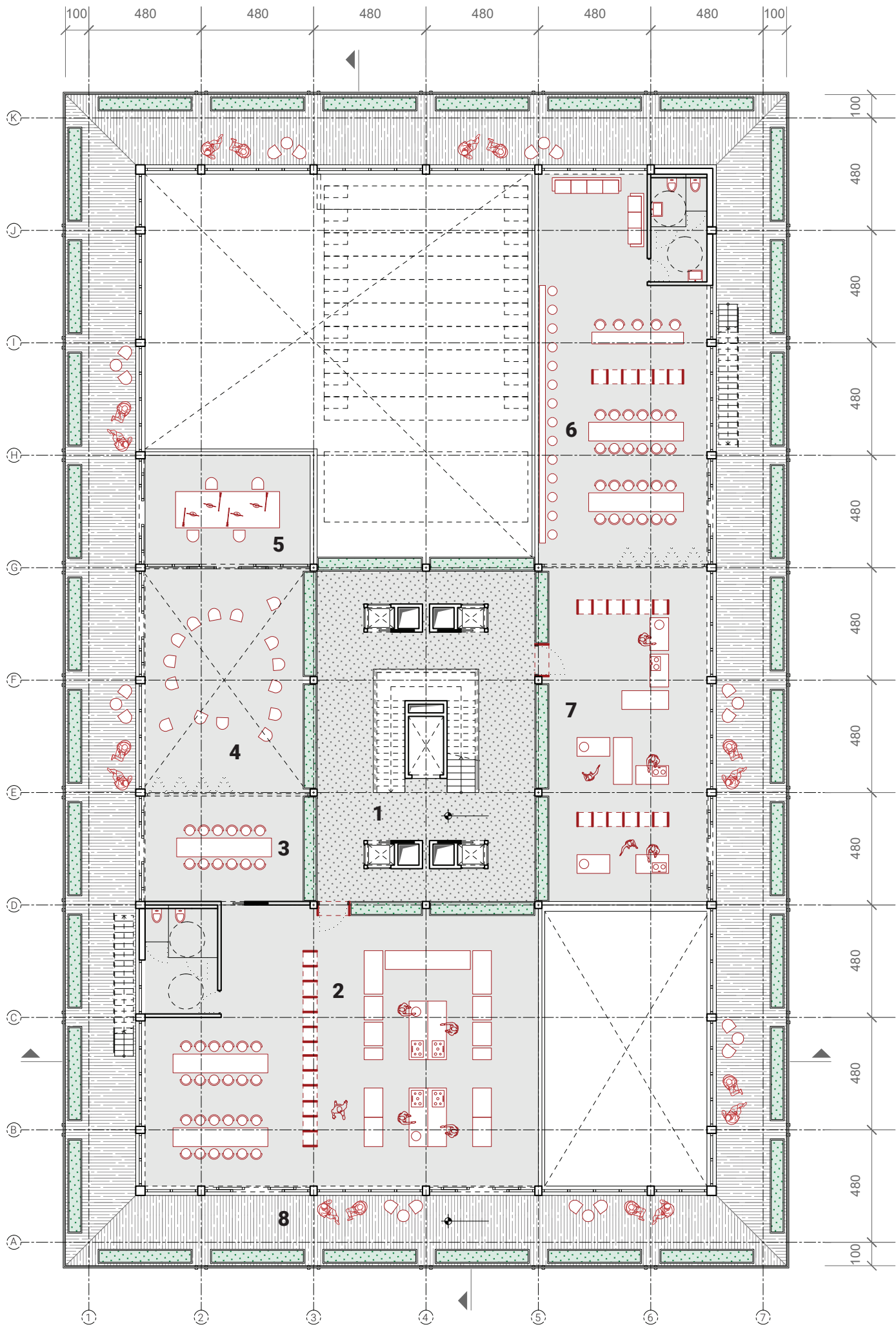
Wood
Anemone

Common
Yarrow

Creeping
Thyme

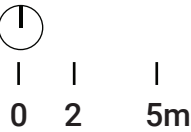
L Scale: Building scale

Building Design



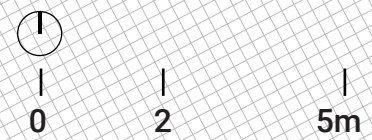
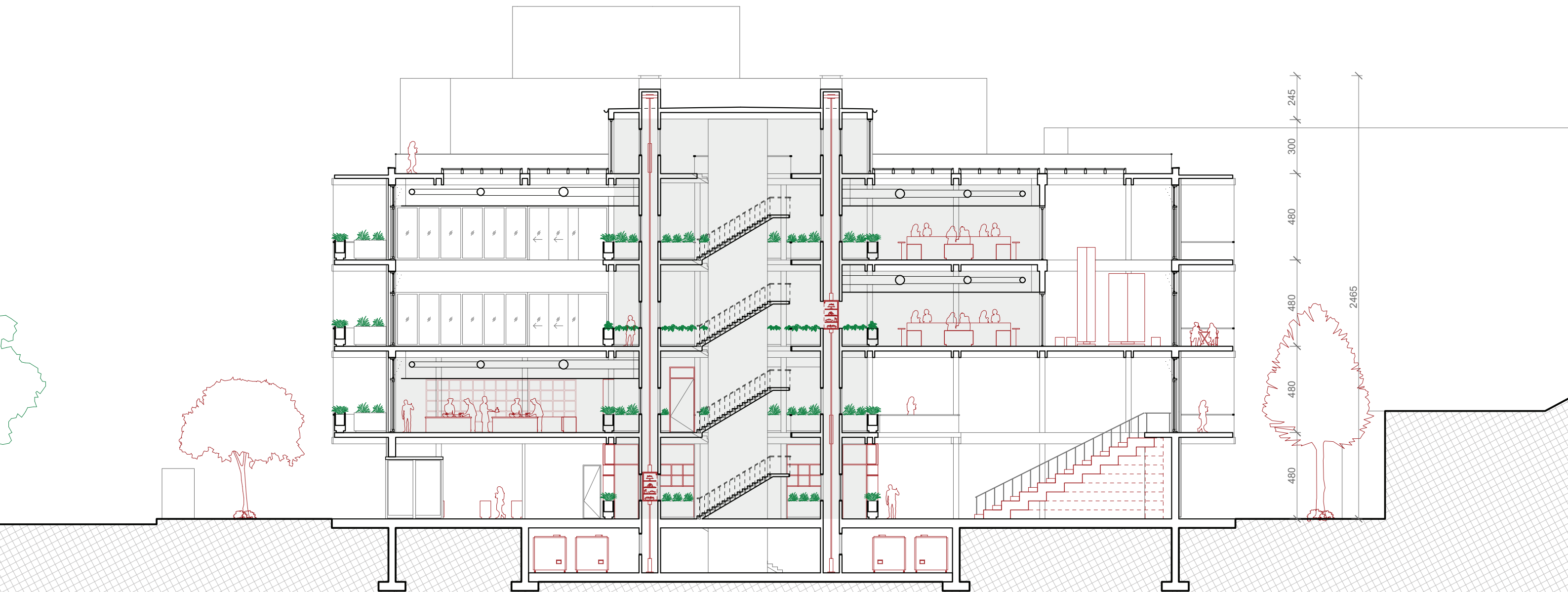
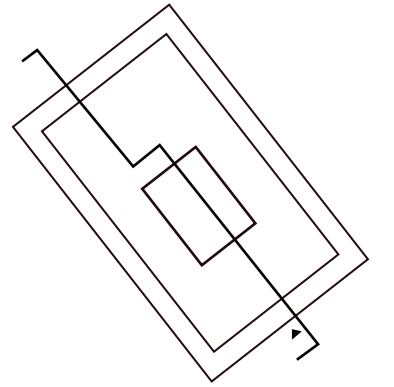
Floor Plan (+4.80)

- 1 Central building spine
- 2 Copenhagen Food House Kitchen
- 3 Meeting room
- 4 Workshop space
- 5 Radio space
- 6 Learning space
- 7 Team build up kitchen
- 8 Exterior Surface





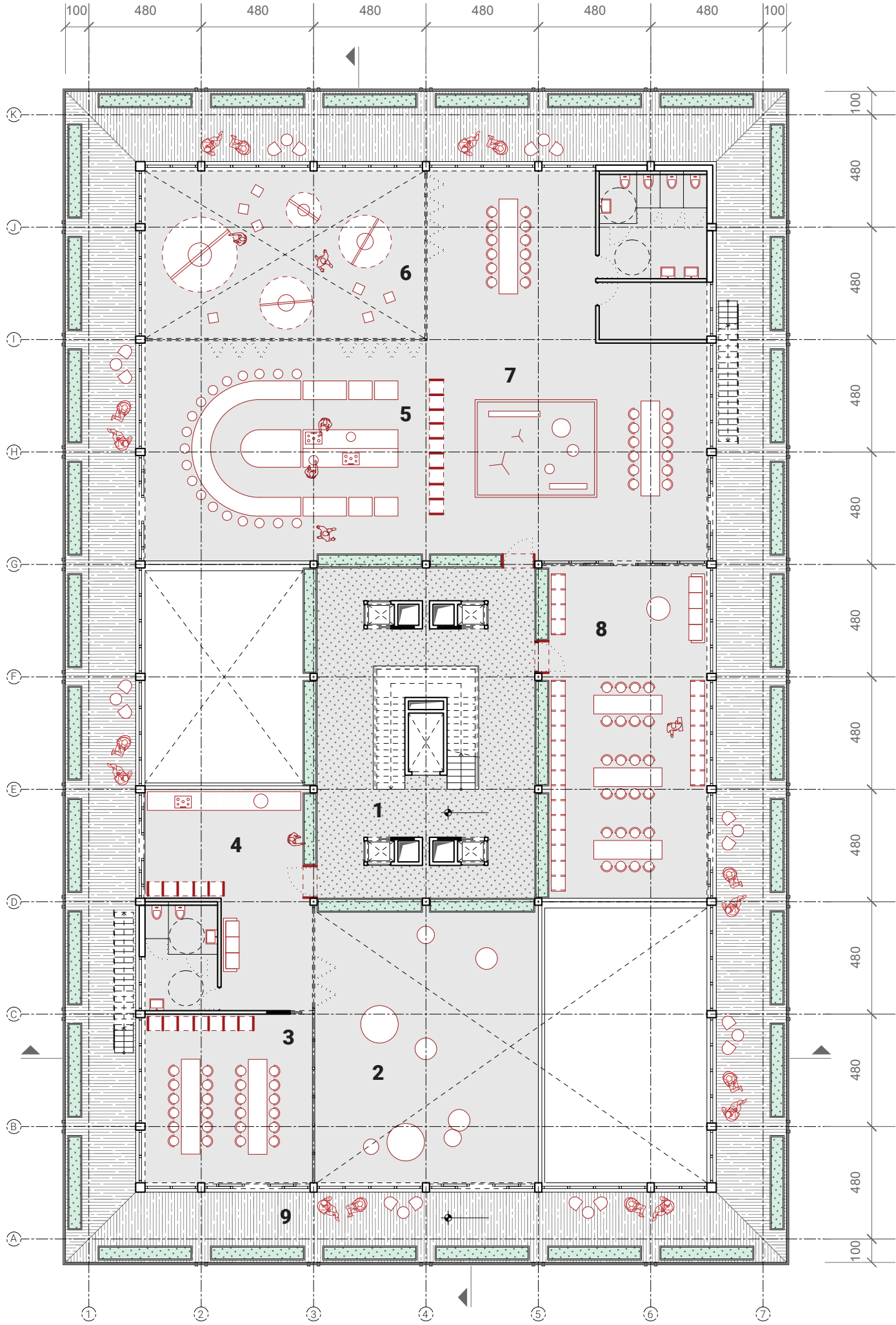
Building Design



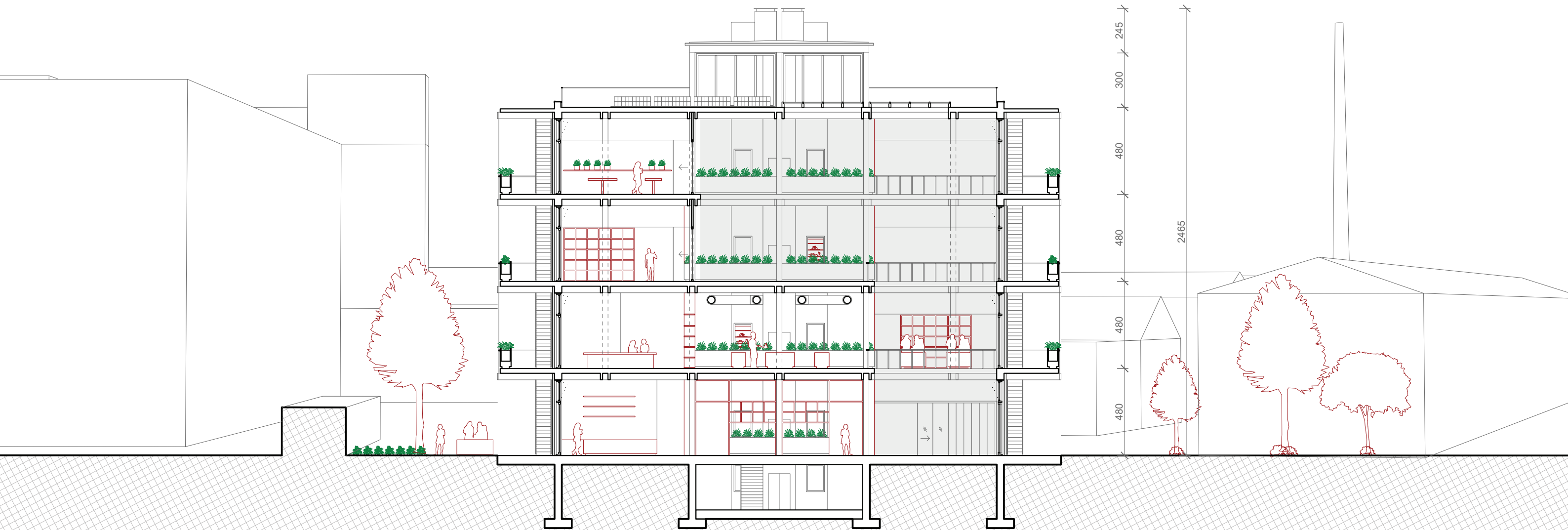
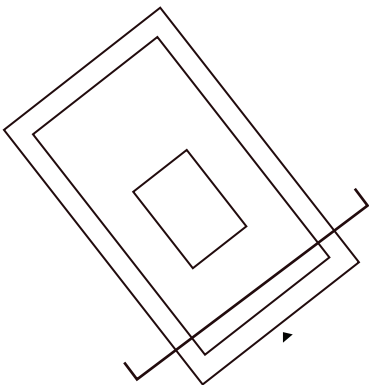
Building Design

Floor Plan (+9.60)

- 1 Central building spine
- 2 Workshop space
- 3 Dining space
- 4 Kitchen
- 5 Cultural exchange kitchen
- 6 Exhibition space
- 7 Breakout space (play area)
- 8 Library
- 9 Exterior Surface



Building Design

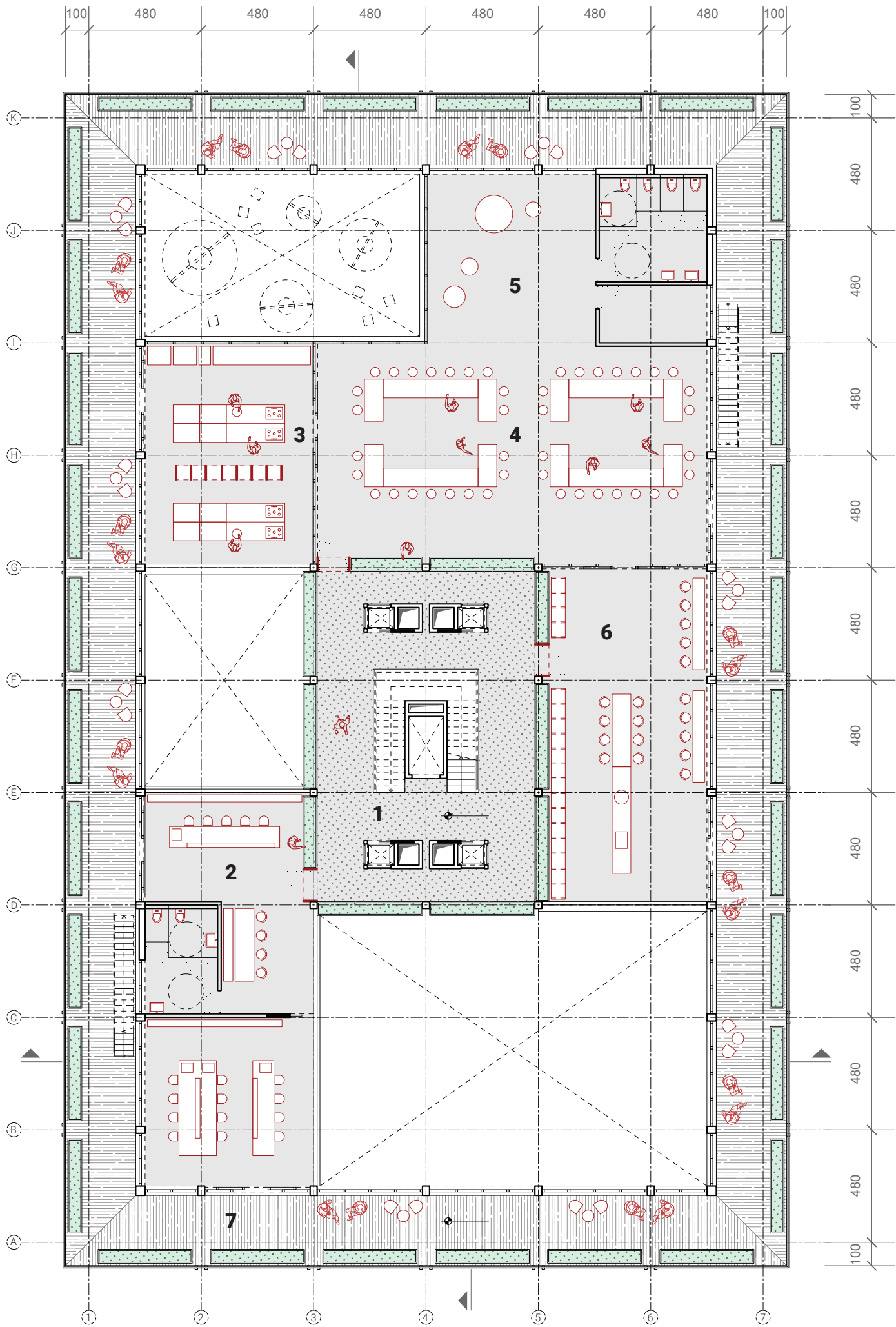


0

2

5m

Building Design



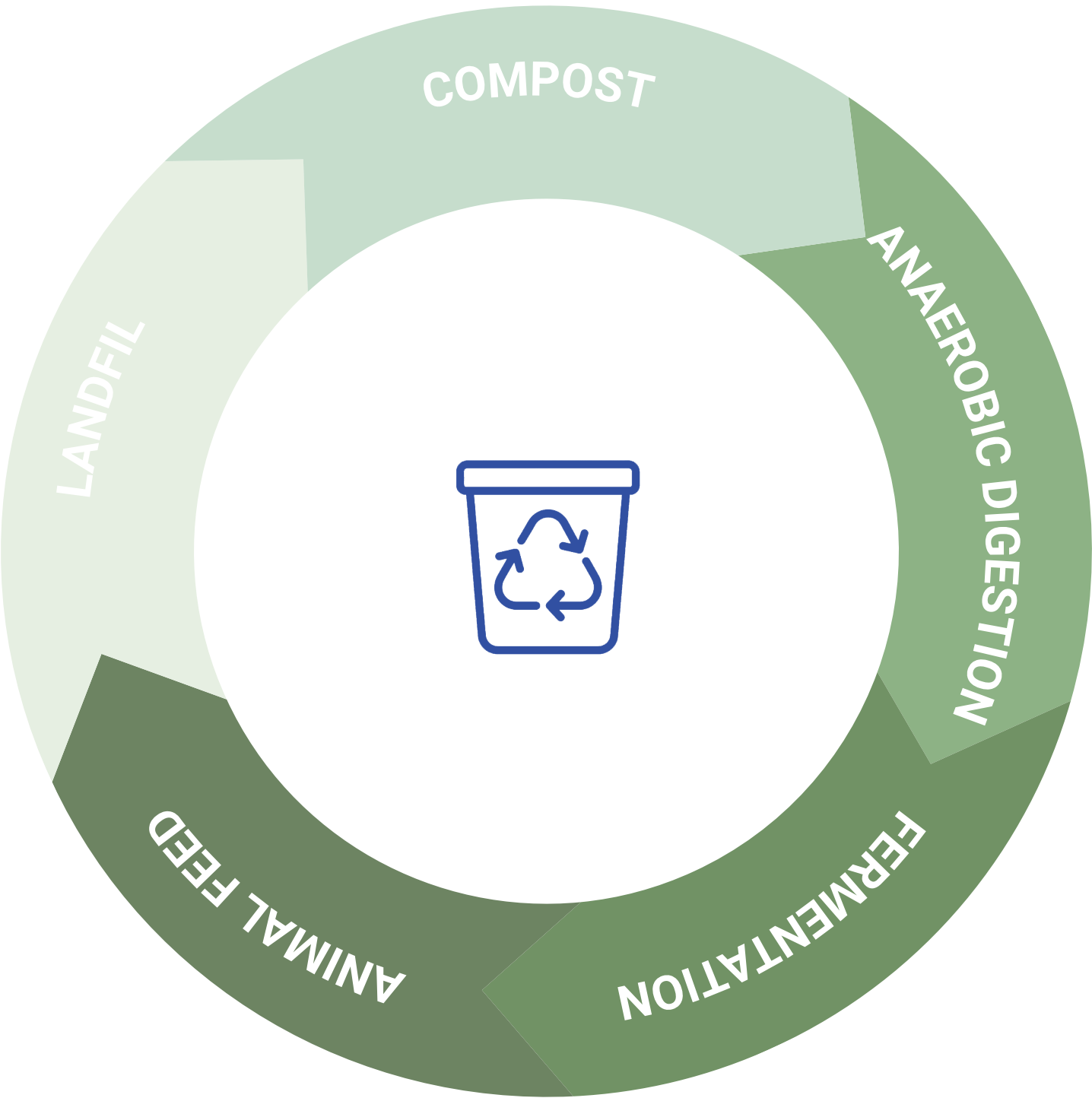
Floor Plan (+14.40)

- 1 Central building spine
- 2 Plant care team room
- 3 Display kitchen
- 4 Food serve/dining space
- 5 Breakout space
- 6 Archive
- 7 Exterior surface

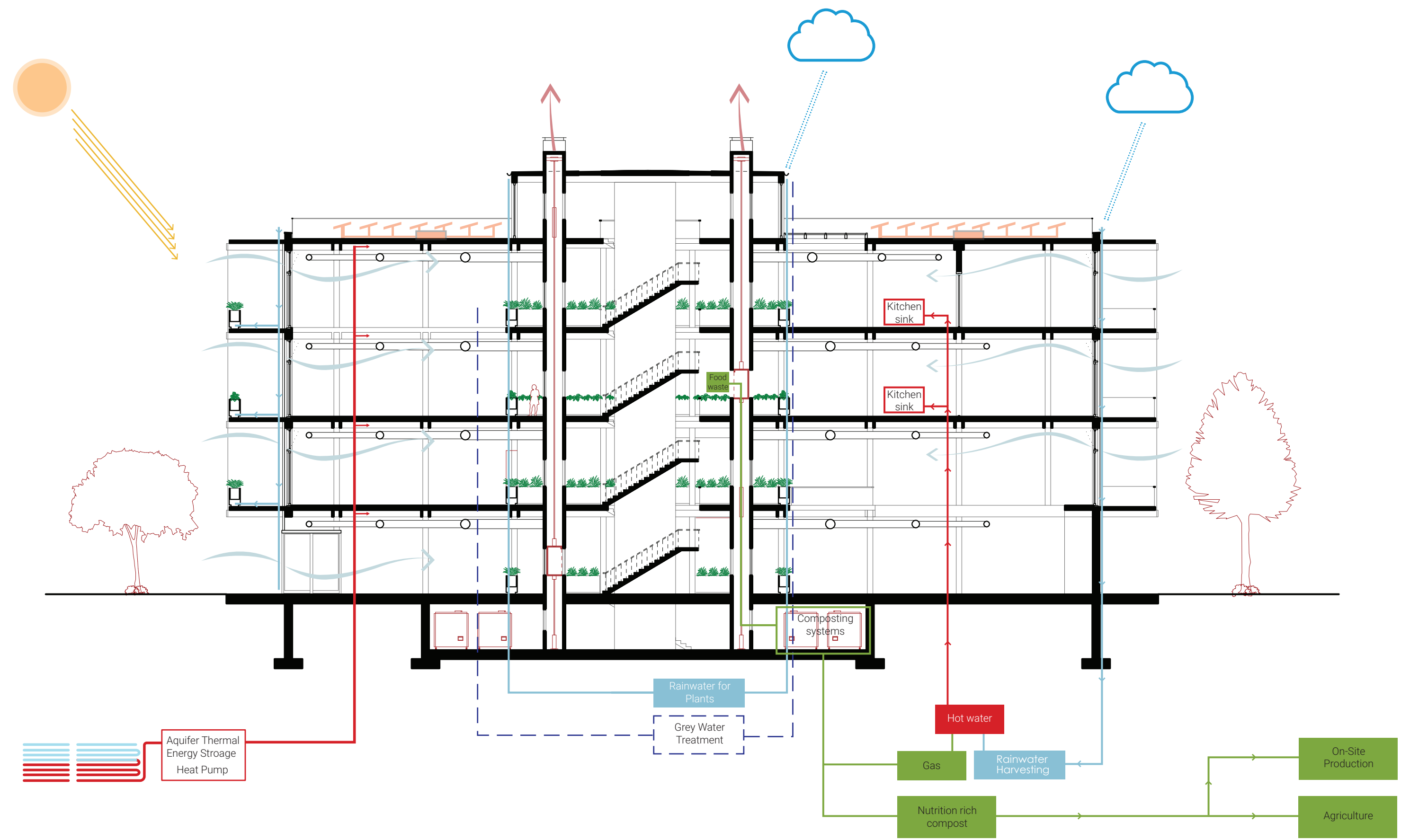


Climate Design Strategy

Food Waste Management



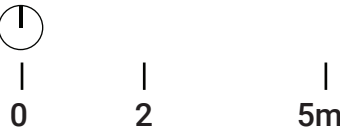
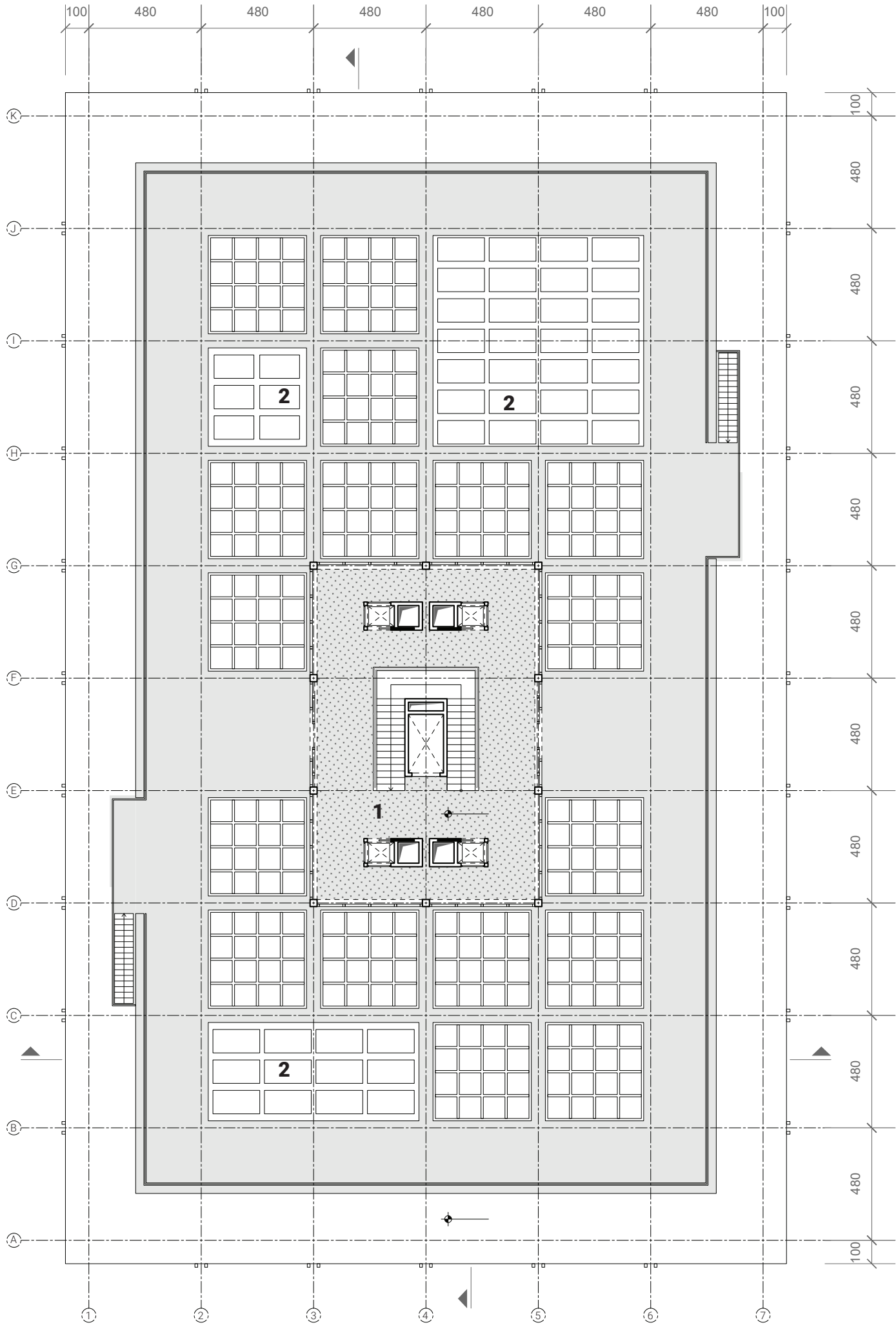
Climate Design Strategy



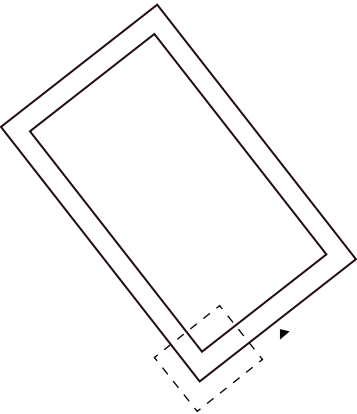
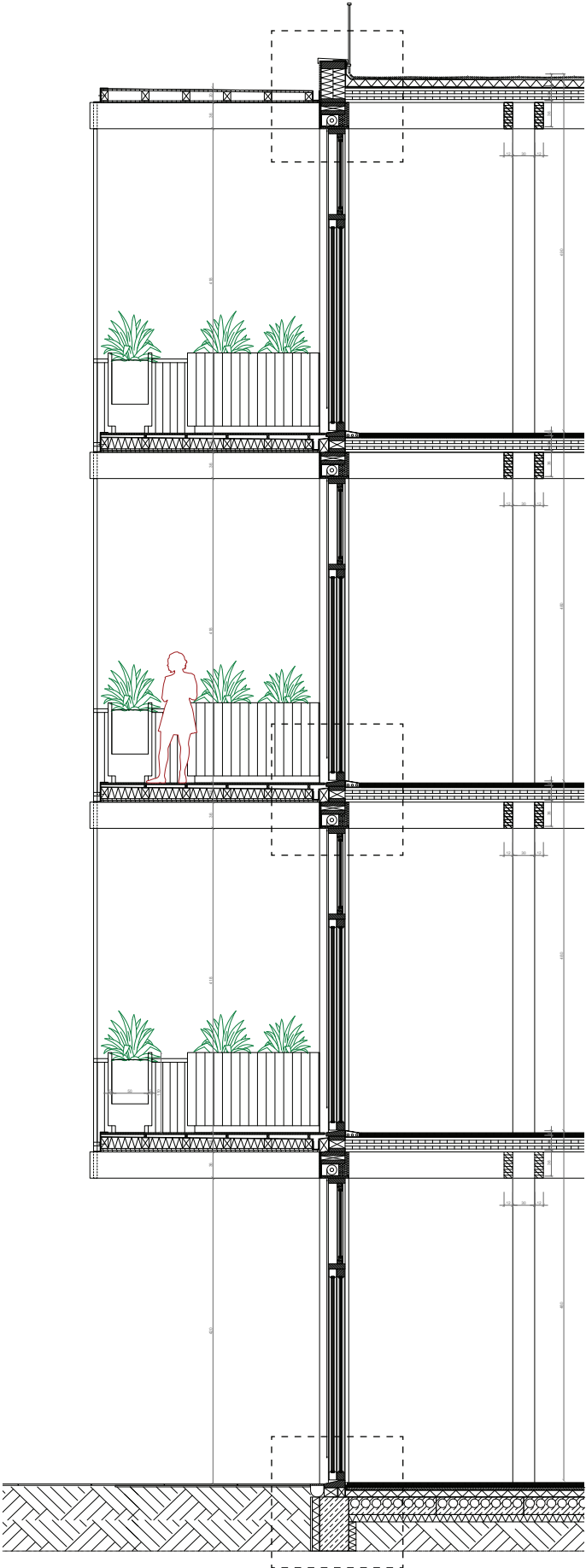
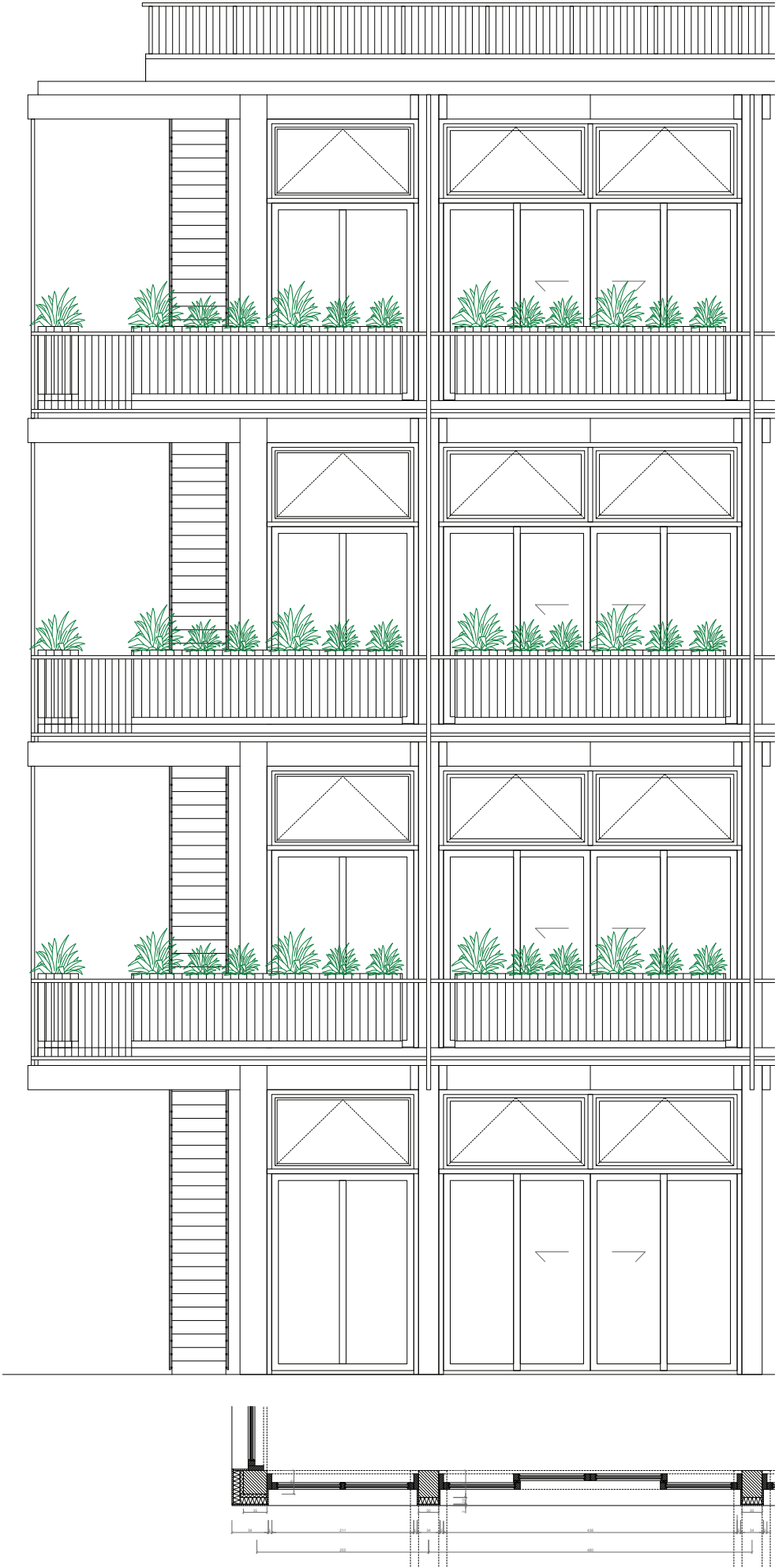
Building Design

Floor Plan (+19.20)

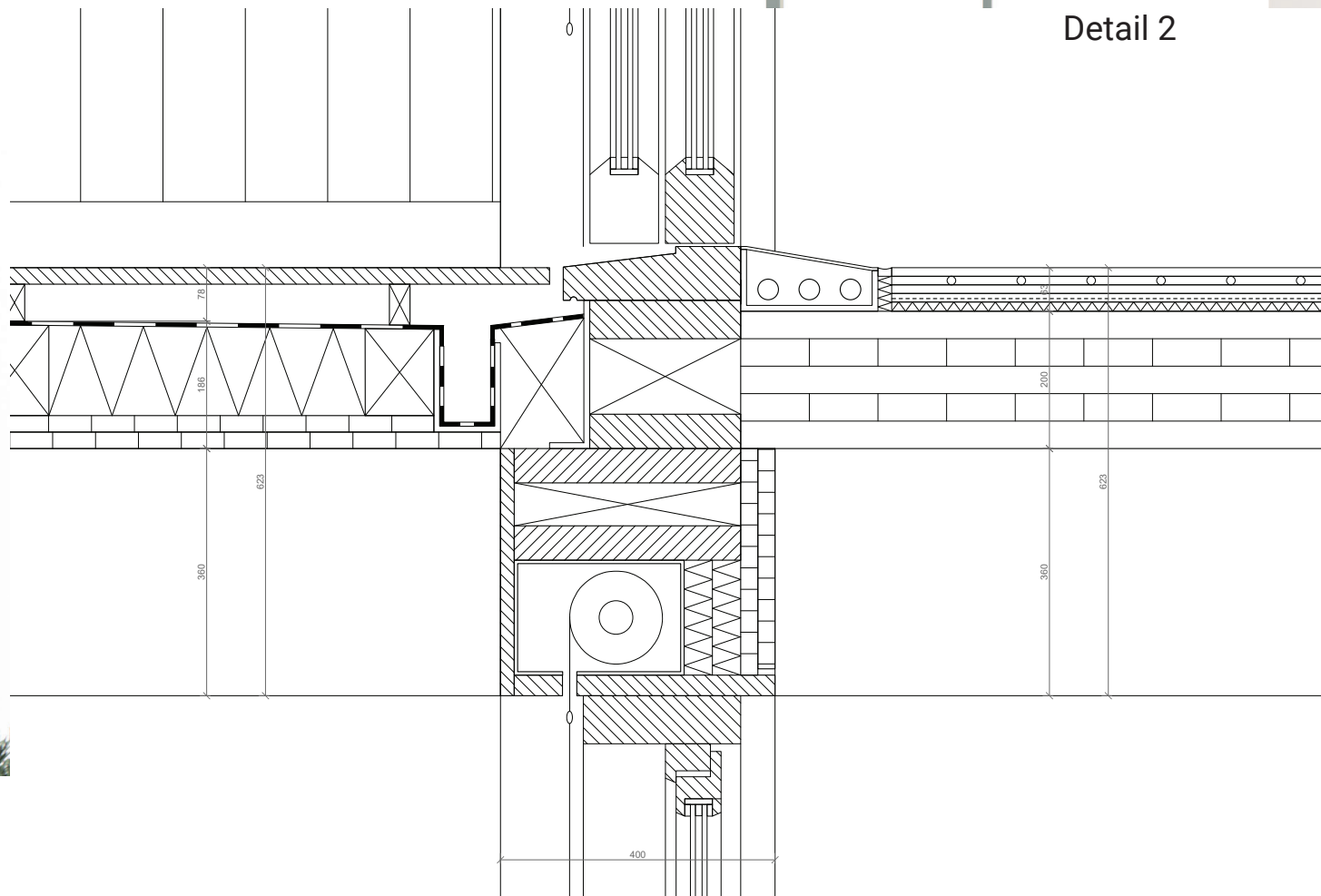
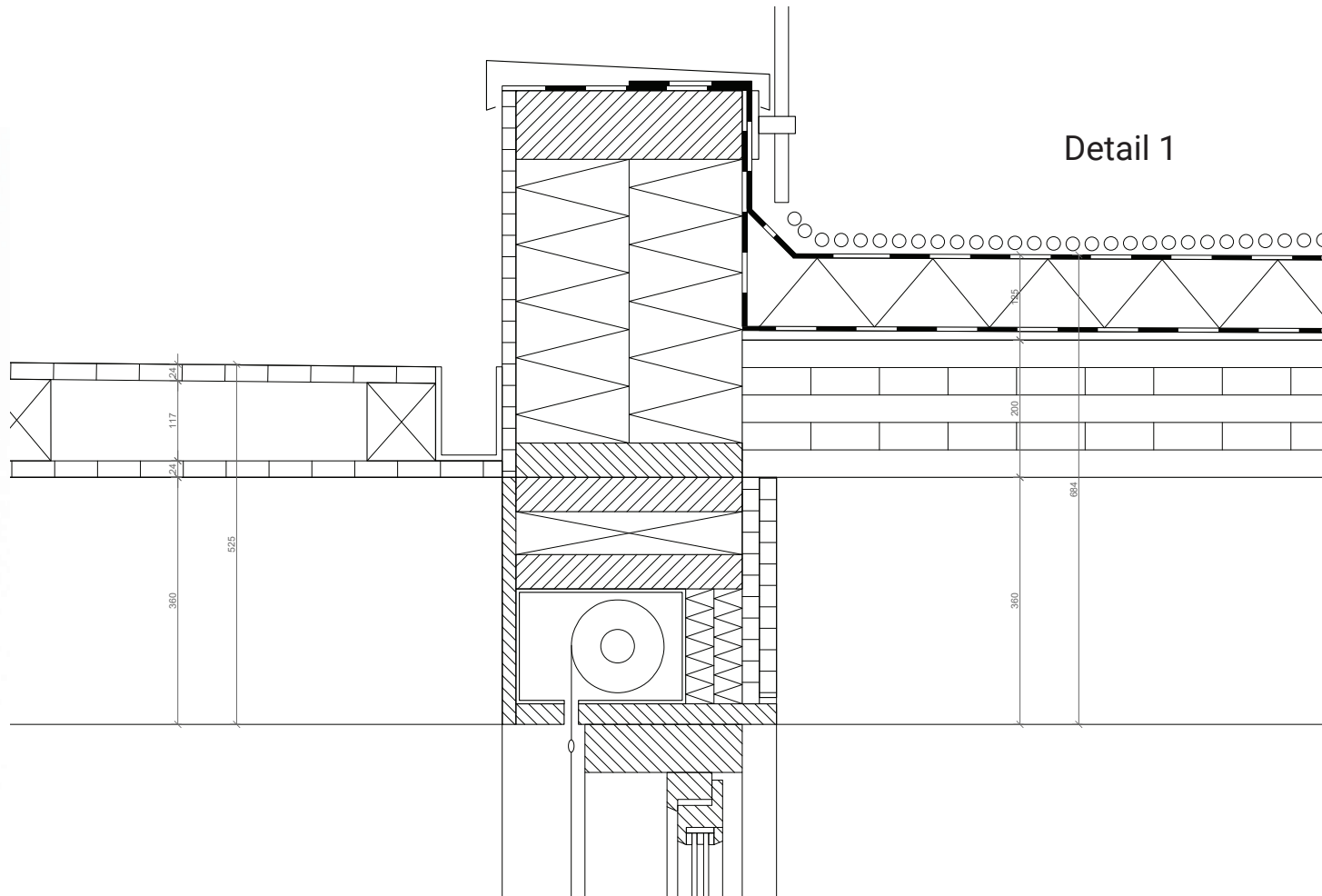
- 1 Central building spine
- 2 Solar Panels



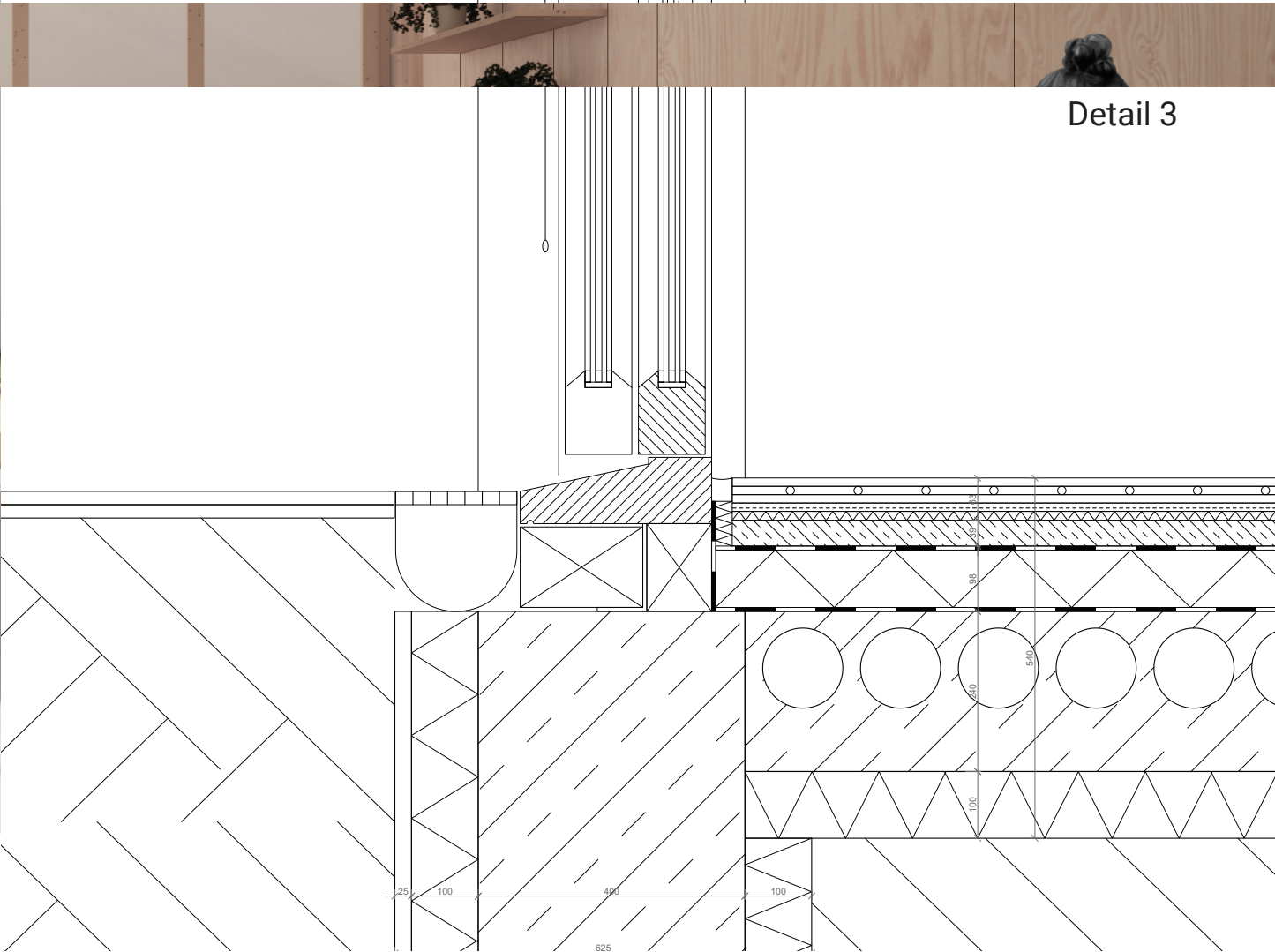
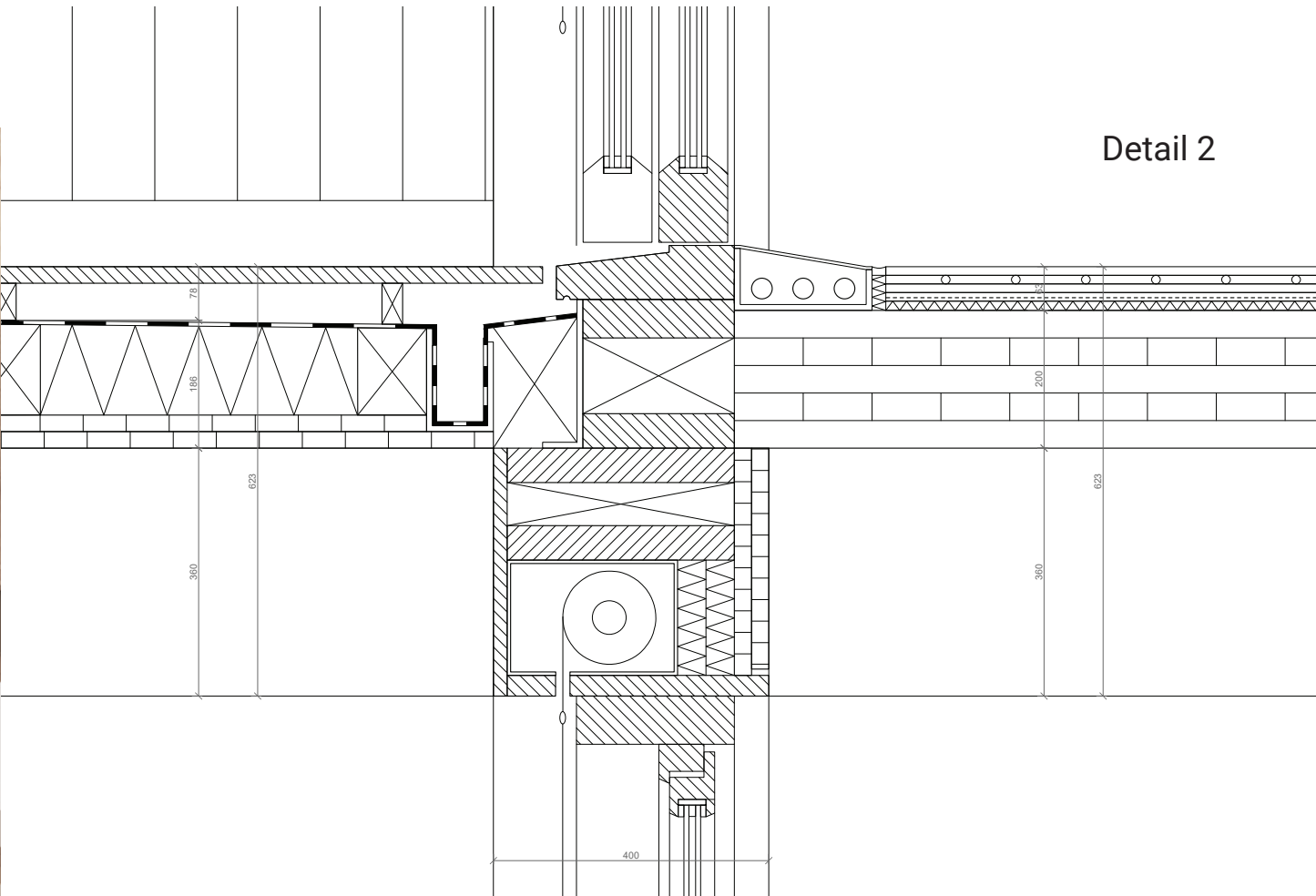
Facade Fragment











Thank you!

**Public Condenser: KØKKEN +
Ezgi Üzümcü**

P5 Presentation
Antonio Cantero, Ger Warries, Sang Lee
Public Building AR3AP100 | TU Delft
June 19th, 2025

