

Campus Village Delft

Reimagining Student Housing

Reinis Melgalvis / aE graduation studio 2022/2023

Architecture Mentor Mauro Parravicini / BT Mentor Paddy Tomesen / Research Mentor Michela Turrin



▲ In 2017 werden 332 studentenkamers aan de Professor Schermerhornstraat opgeleverd. (Foto: Justyna Botor)

Het landelijke kamertekort is toegenomen tot zo'n 26.500 studentenwoningen. In Delft is nu een tekort van 1500 kamers en dat kan oplopen tot 3600 in 2028.

Read in English

De studentenaantallen nemen sneller toe dan gedacht, blijkt uit de jongste ramingen van het ministerie van Binnenlandse Zaken. De komende acht jaar met minstens 48 duizend, staat in de nieuwe **monitor** die het ministerie in samenwerking met Kences, de koepel van studentenhuisvesters, jaarlijks laat maken door onderzoeksbureau ABF Research. Het almaar groeiende aantal internationale studenten is de belangrijkste verklaring, maar ook komen er steeds meer Nederlandse universitaire studenten.

In Delft wonen momenteel 11.800 uitwonende Nederlandse studenten, 4600 internationale studenten en 100 short-stay studenten, blijkt uit het rapport. Het totale aantal van 16.500 uitwonende studenten zal in studiejaar 2028-29 stijgen tot 22.830, is de prognose.

Tekort aan studentenwoningen: eerder studie afgerond dan een kamer bemachtigd

Nieuws • 10-10-2022



Er is een fors gebrek aan studentenwoningen, meldt RTL Nieuws. De wachtlijsten bij een van de woningcorporaties hebben een gemiddelde wachttijd van meer dan vier jaar. In de steden Amsterdam, Leiden, Wageningen en Den Haag zijn de wachtlijsten zelfs nog langer.

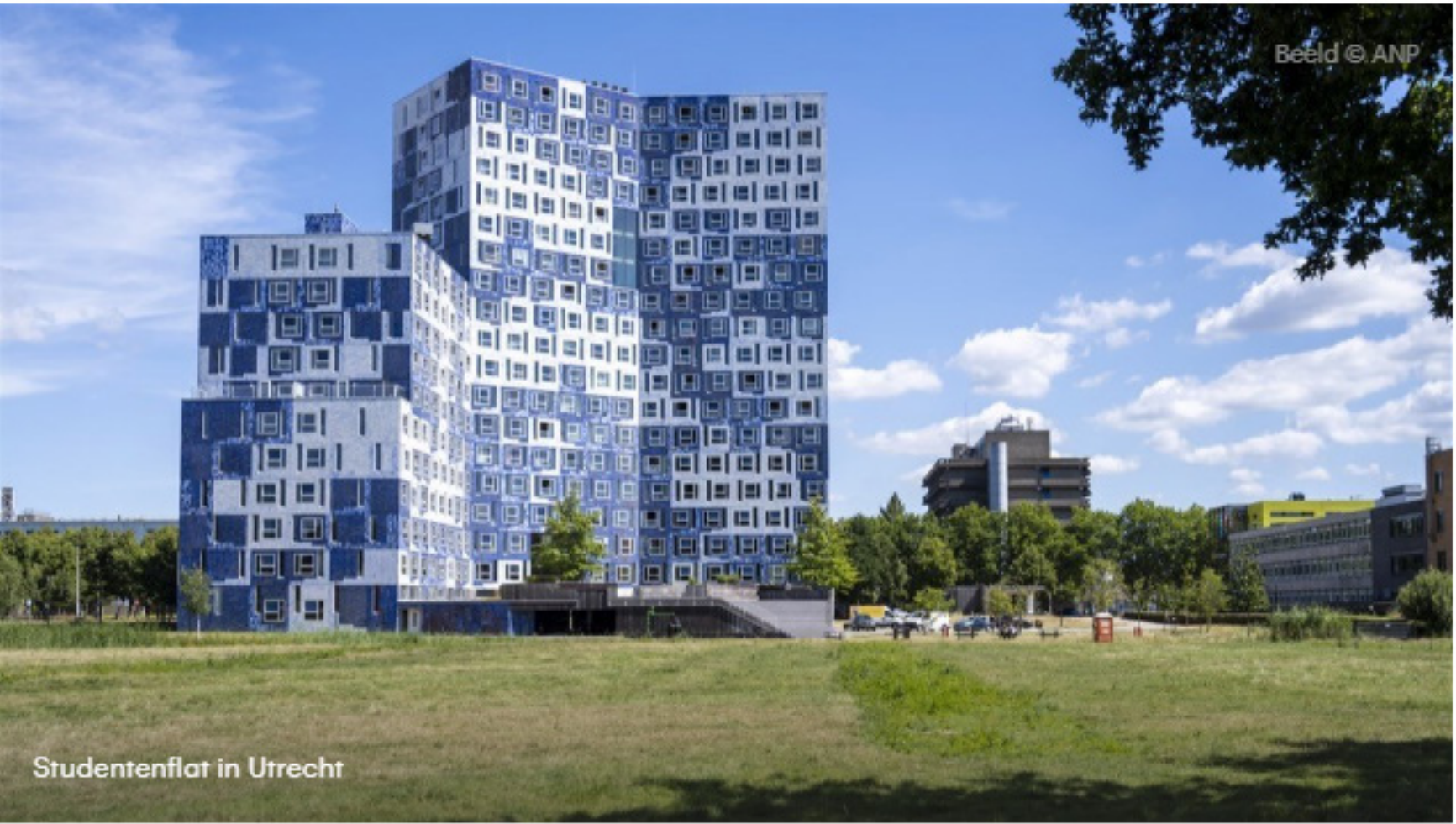
Uit de analyse van RTL Nieuws blijkt dat in sommige studentensteden de nood zo hoog is, dat

Woningnood

Wachtlijst studentenwoning vaak langer dan studieduur

10 oktober 2022 07:04

Aangepast: 10 oktober 2022 07:17



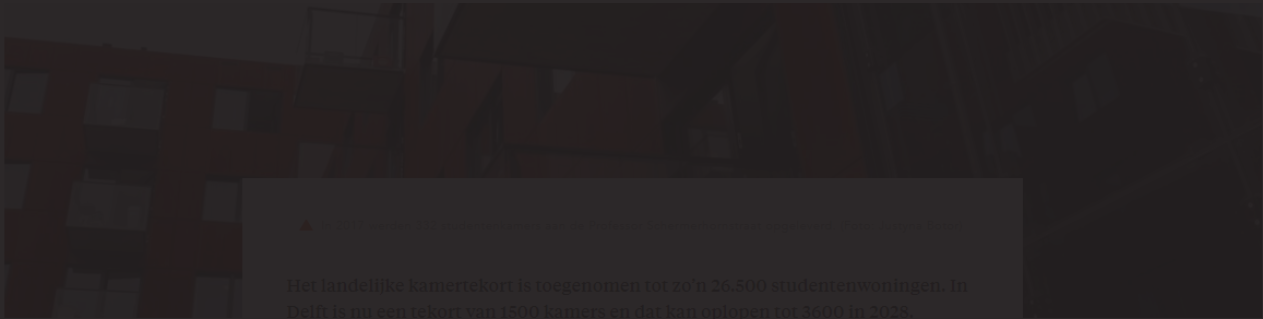
Studentenflat in Utrecht

Er is een groot tekort aan studentenwoningen. Studenten die een kamer of woning willen bemachtigen bij een van de woningcorporaties moeten daar gemiddeld meer dan vier jaar op wachten. Zoek je een kamer in Amsterdam, Leiden, Wageningen of Den Haag? Daar zijn de wachtlijsten nog langer.

- advertentie -



aE Studio 2022/2023



Het landelijke kamertekort is toegenomen tot zo'n 26.500 studentenwoningen. In Delft is nu een tekort van 1500 kamers en dat kan oplopen tot 3600 in 2029.

Read in English

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Wageningen

Wachtlijst studentenwoning vaak langer dan studieduur

10 oktober 2022 07:04

Aangepast: 10 oktober 2022 07:17



12000



67000

2021

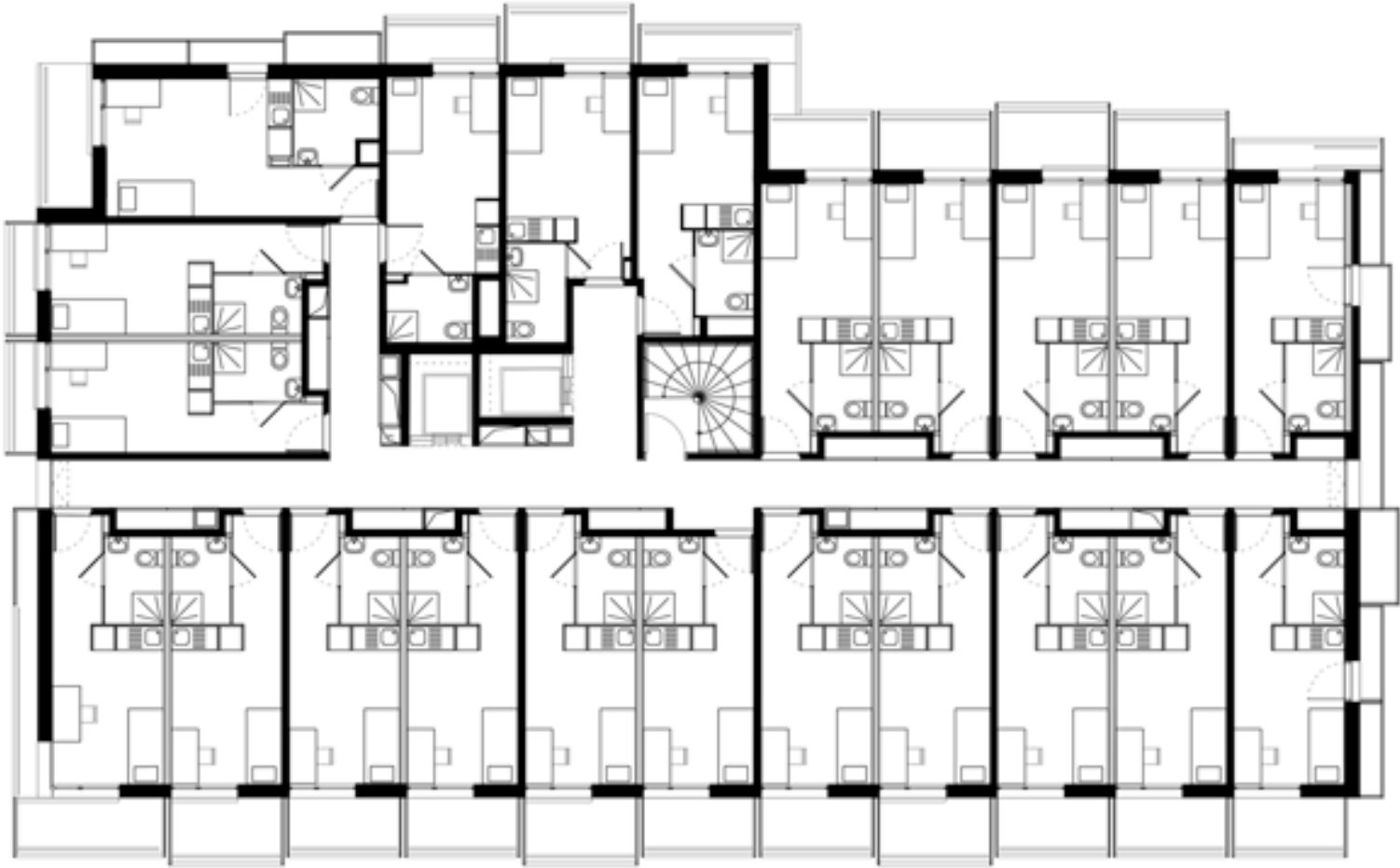
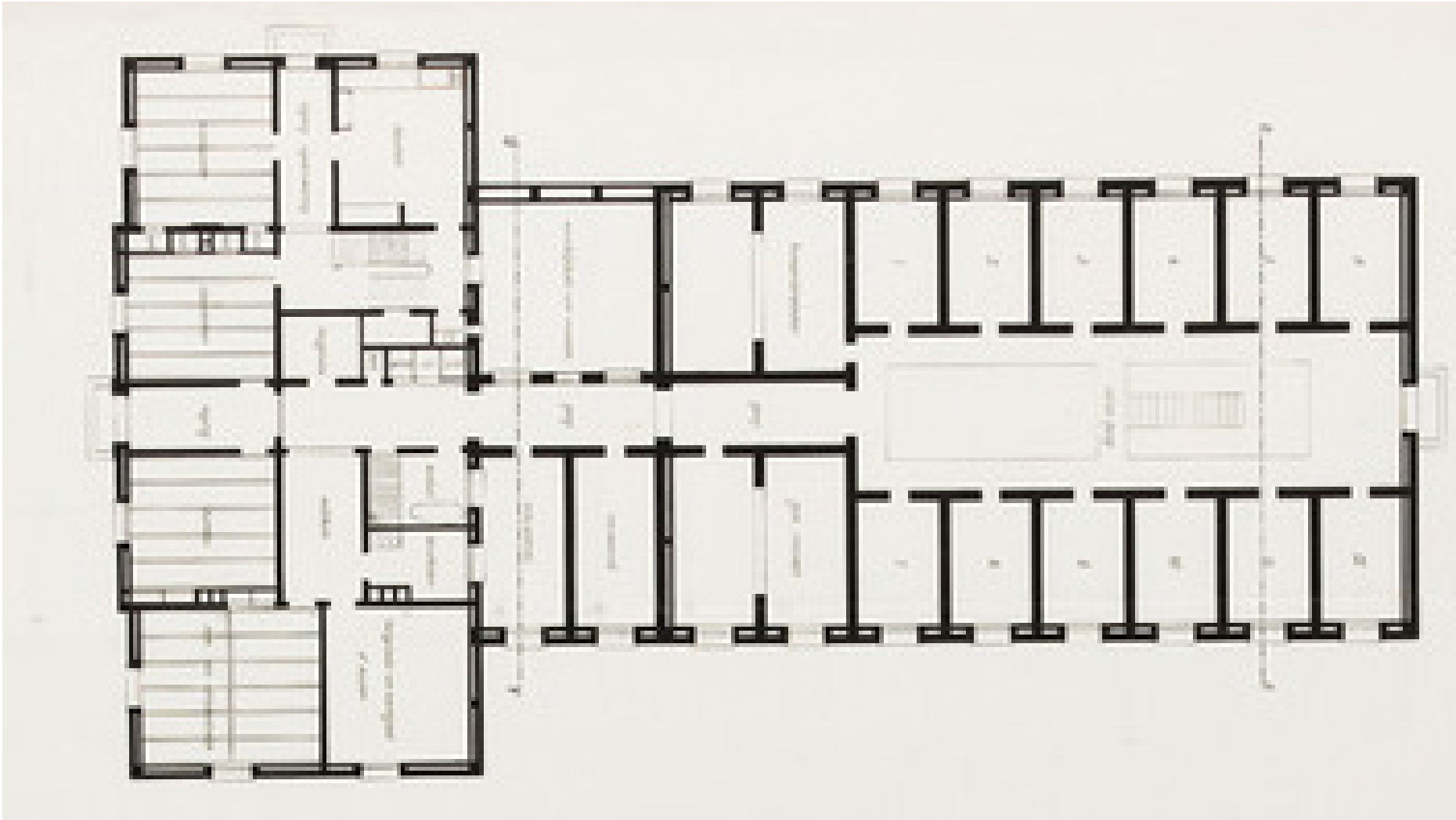
2029

The growth of the number of students will increase the shortage of housing in Delft during the coming years

What is student housing today?

Is quantity of the housing the only issue? Or do we need to re-think the way we build student housing?







URBAN SEPARATION



What is student housing of the future?

What is the student housing we need?

STUDENT HOUSING

Quality



STUDENT HOUSING

Quality



Community



STUDENT HOUSING

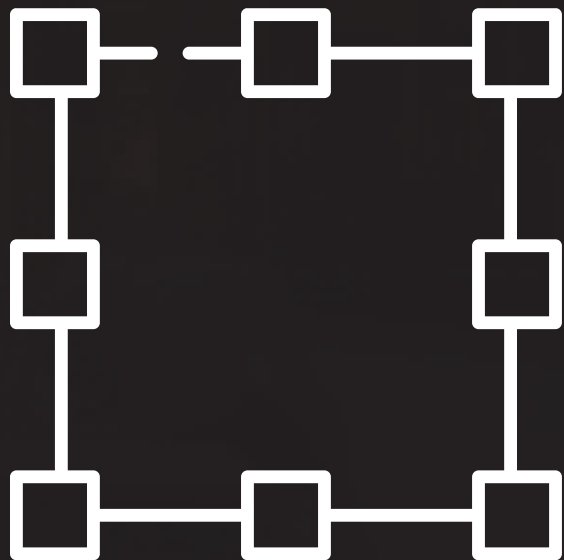
Quality



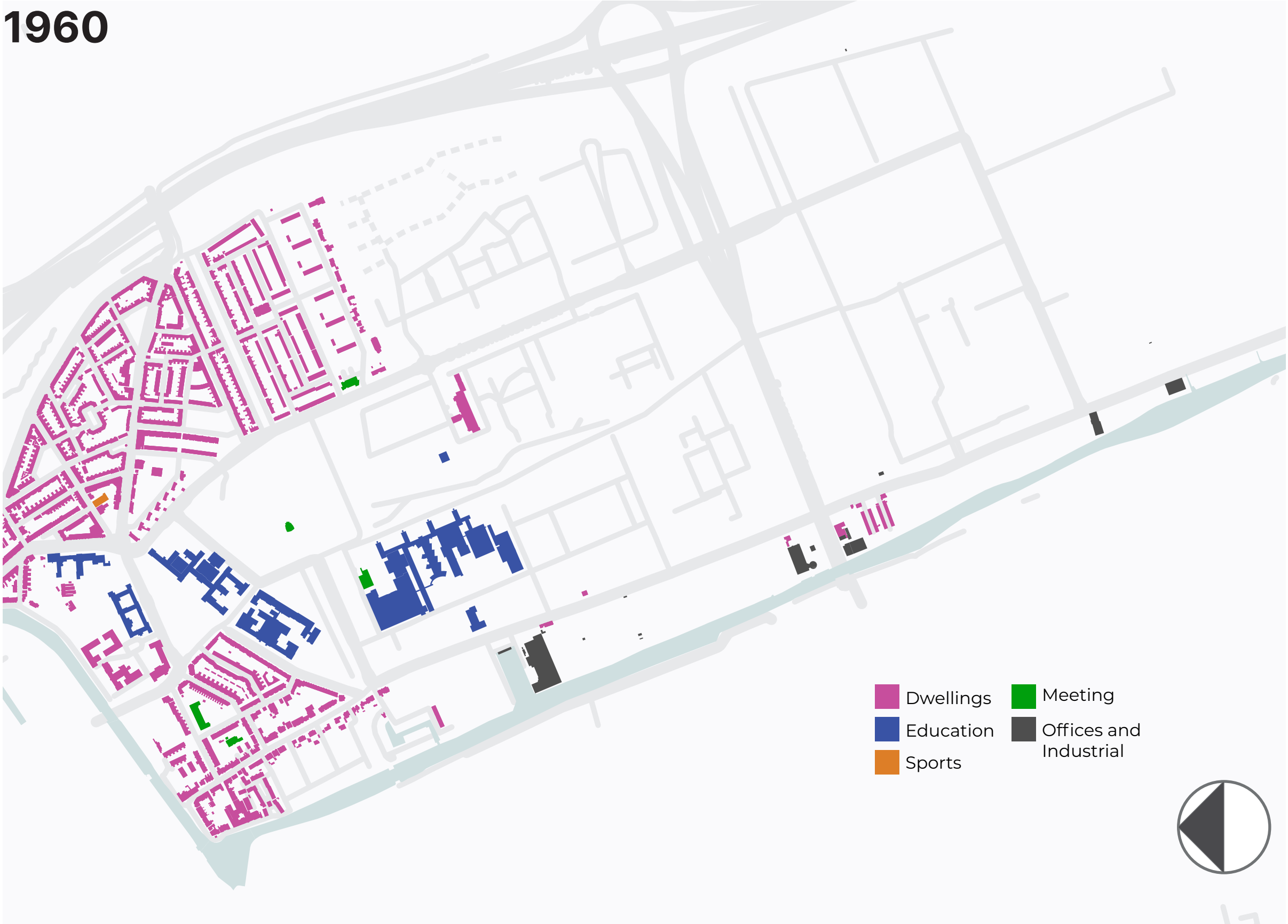
Community

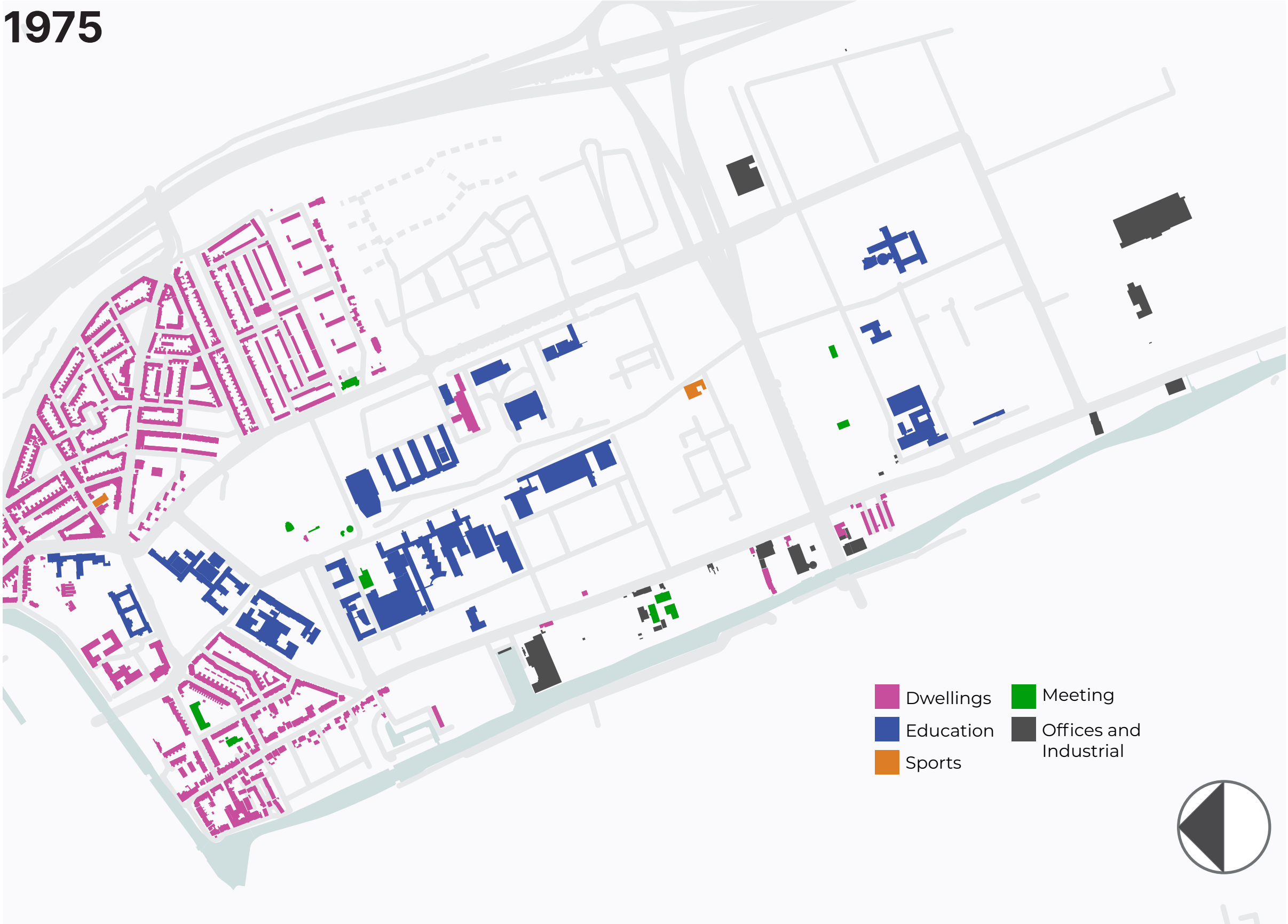


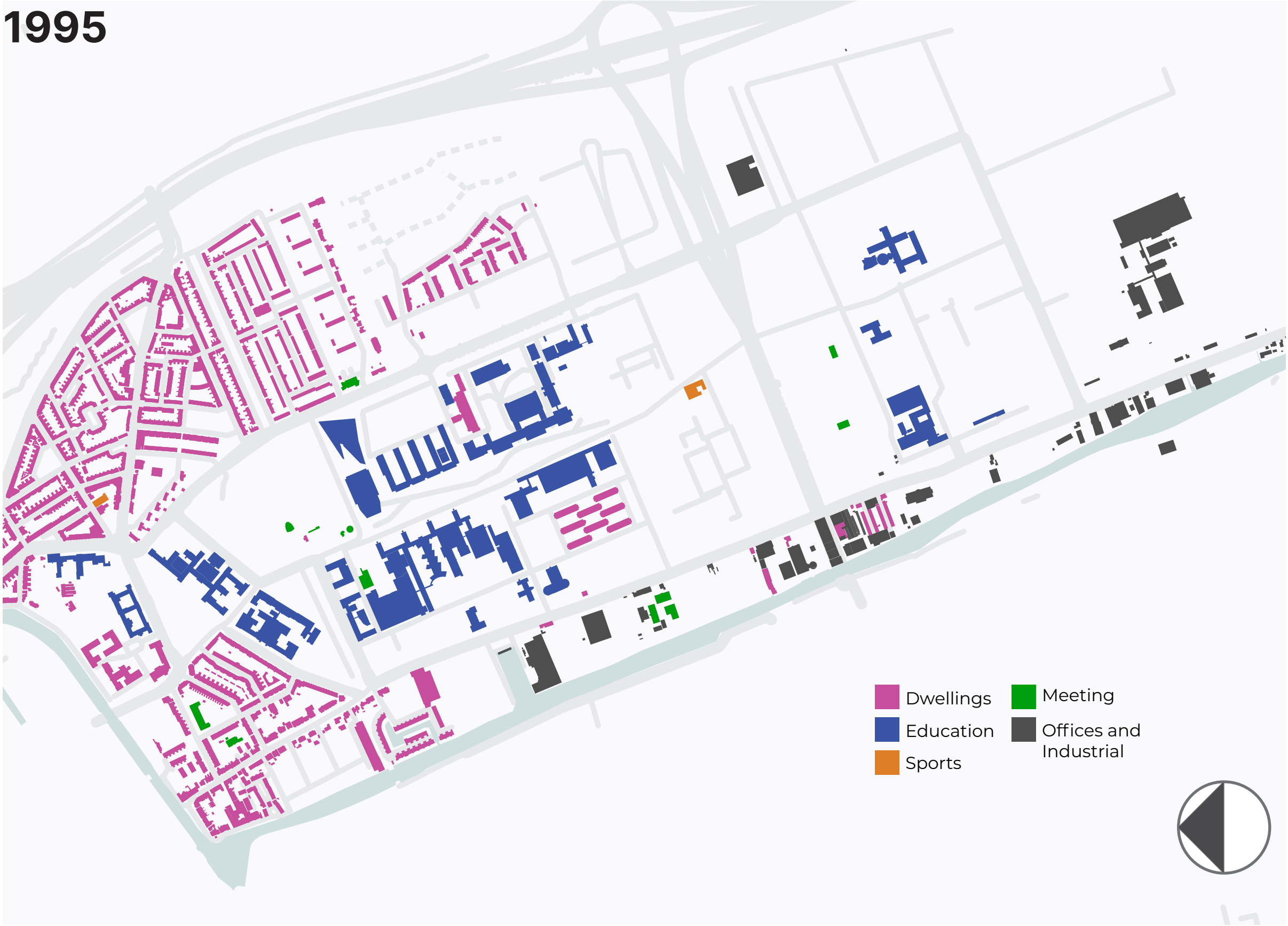
Campus

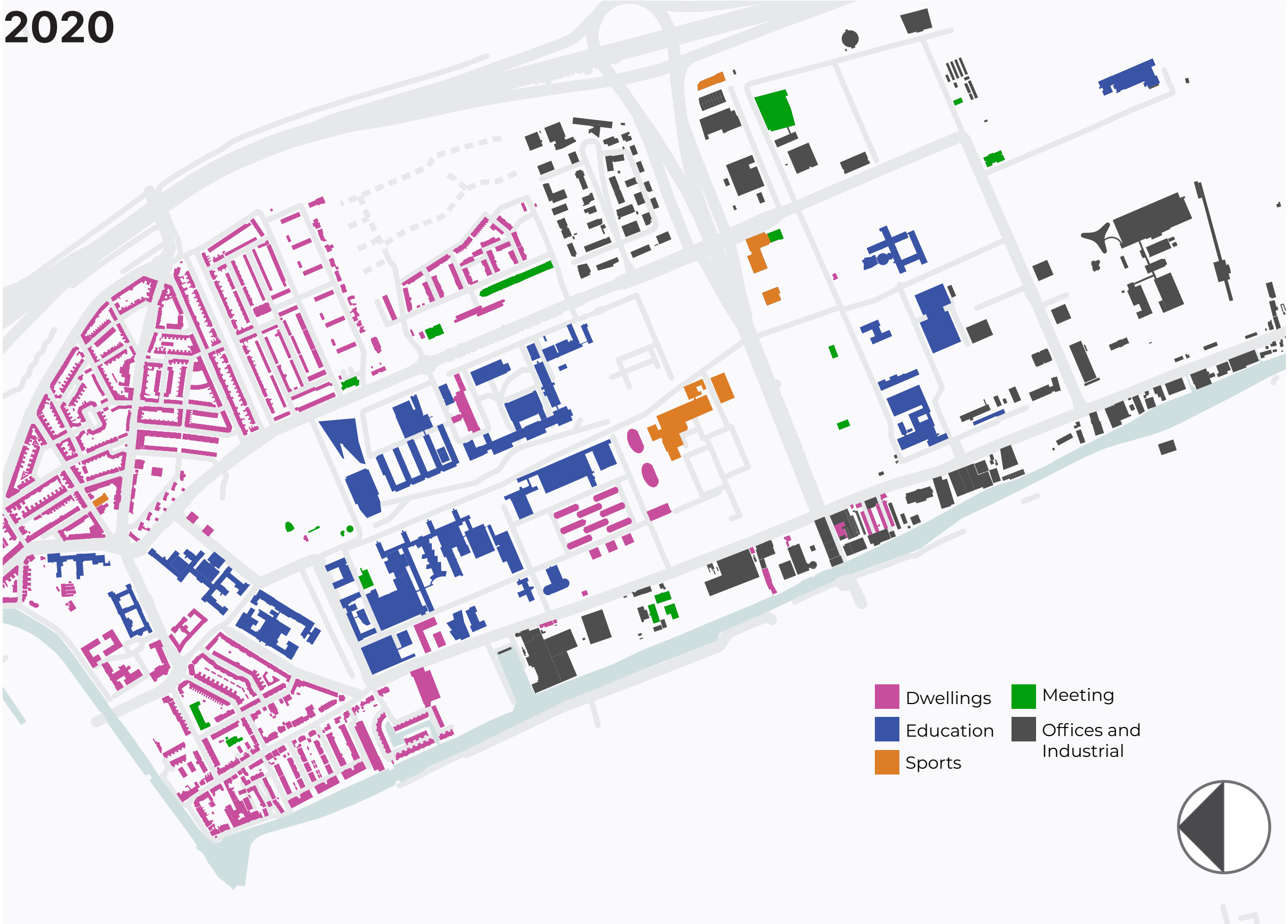


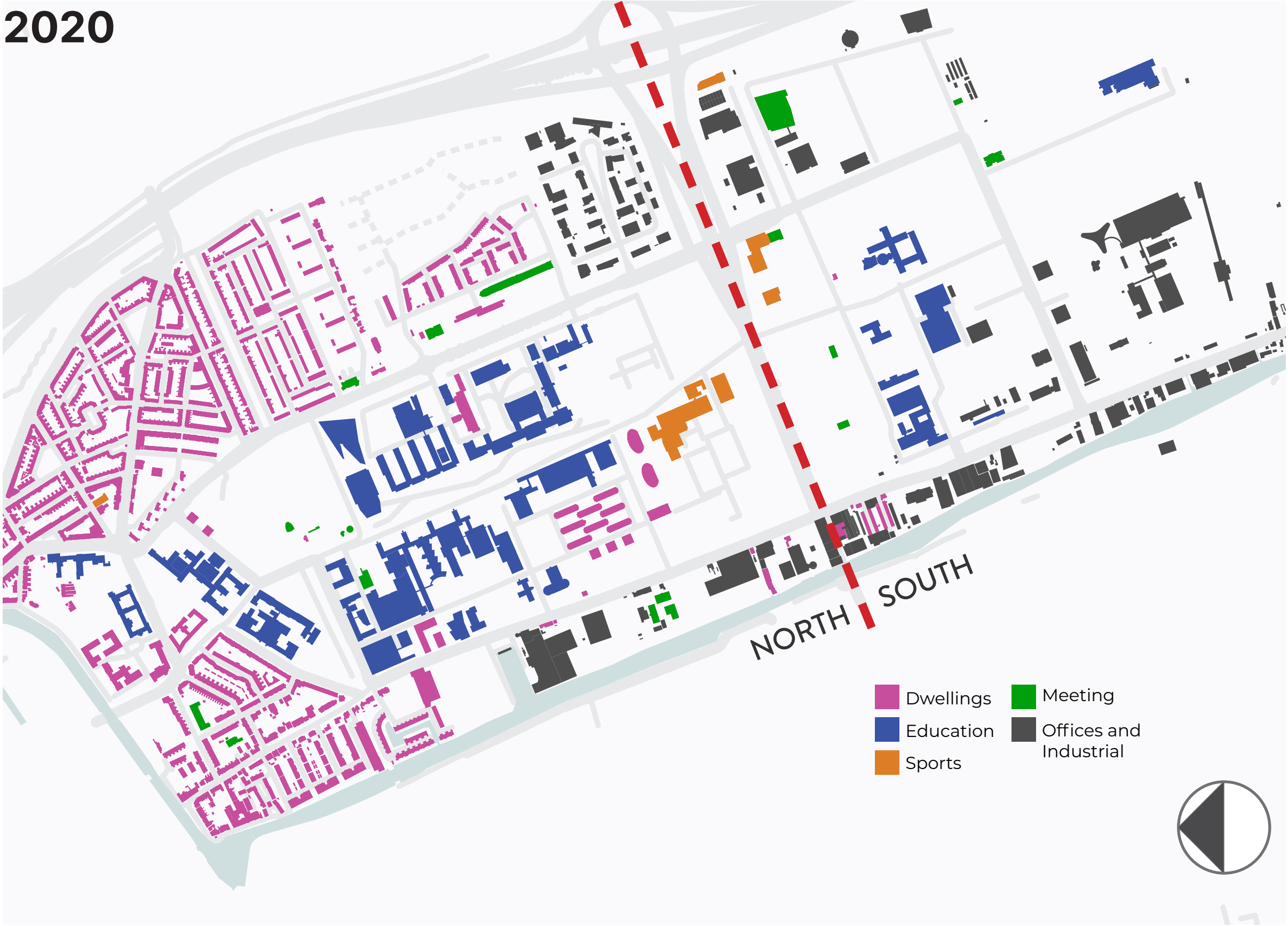
“Design student housing of high quality in TU Delft Campus, to reduce the housing shortage and increase well-being of students”





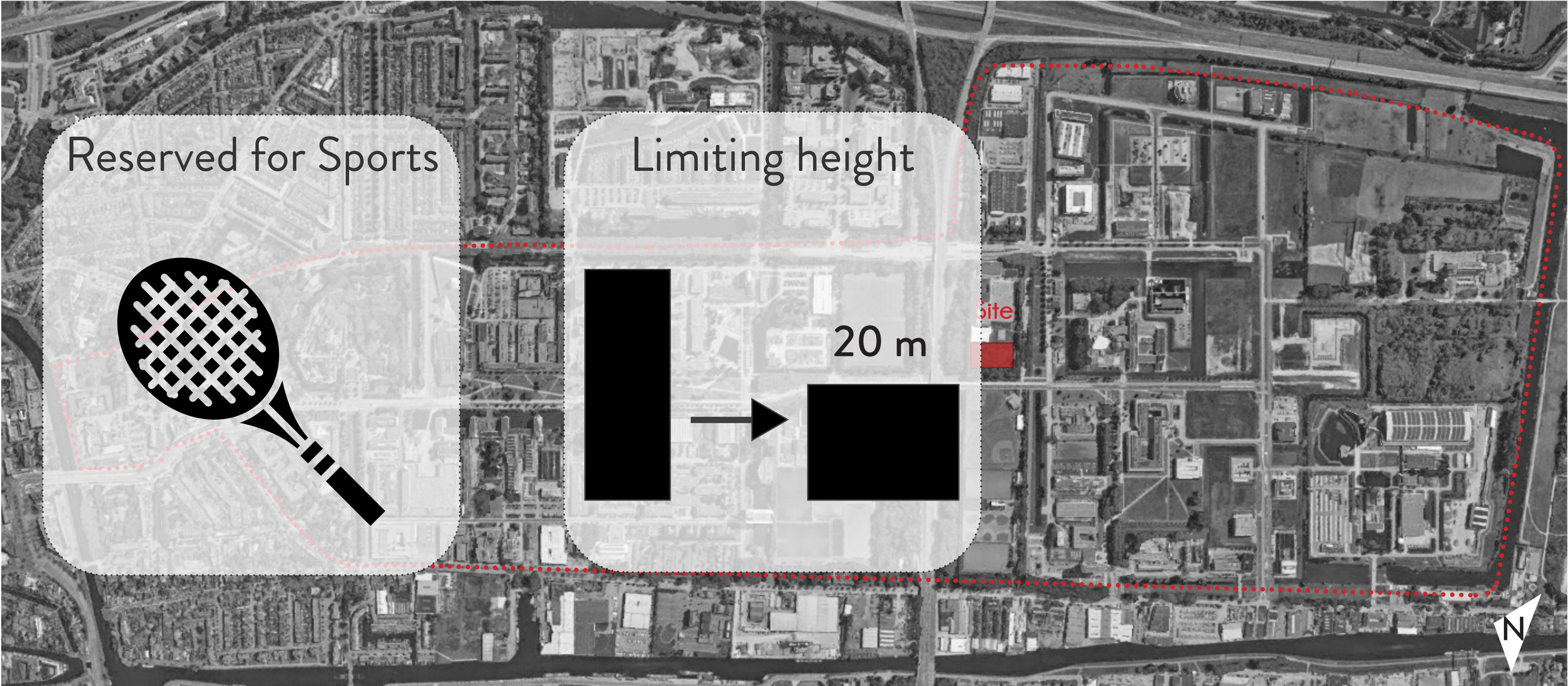


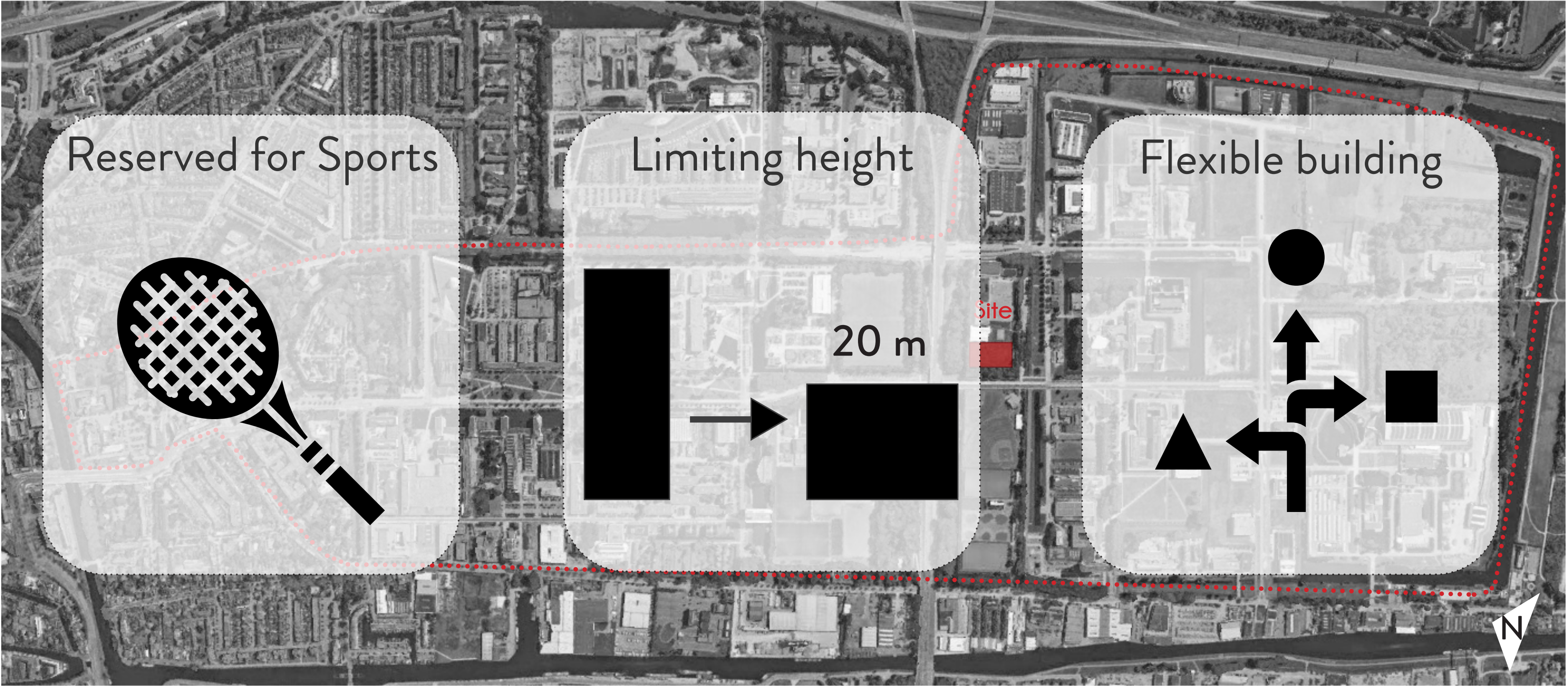




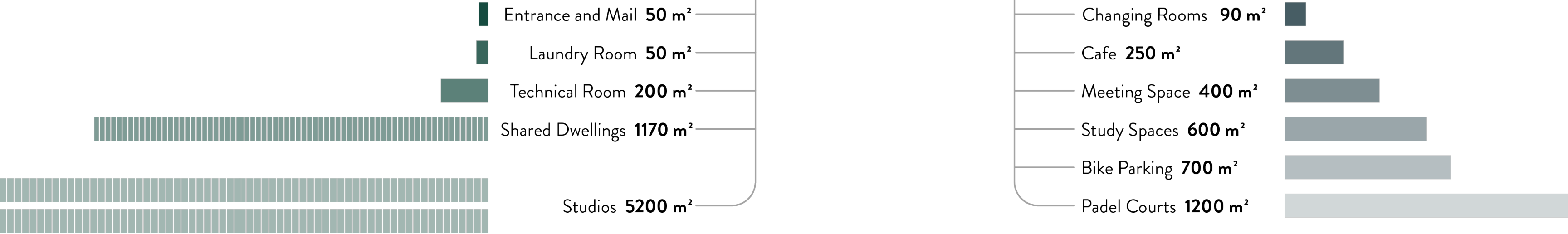
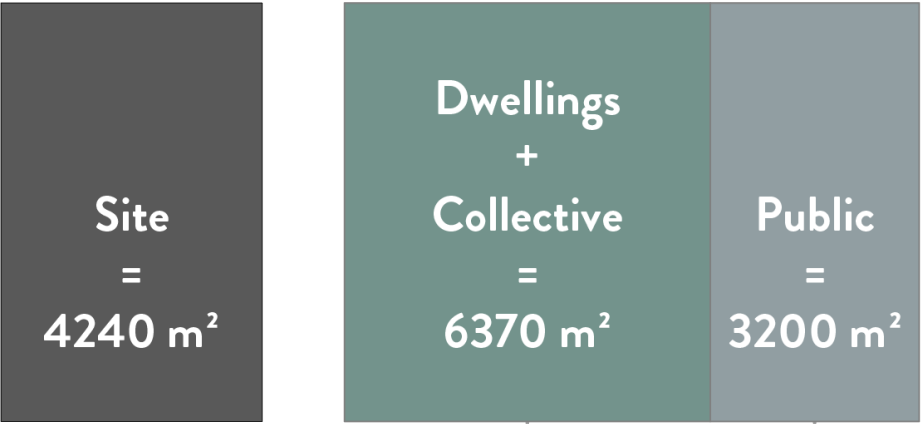




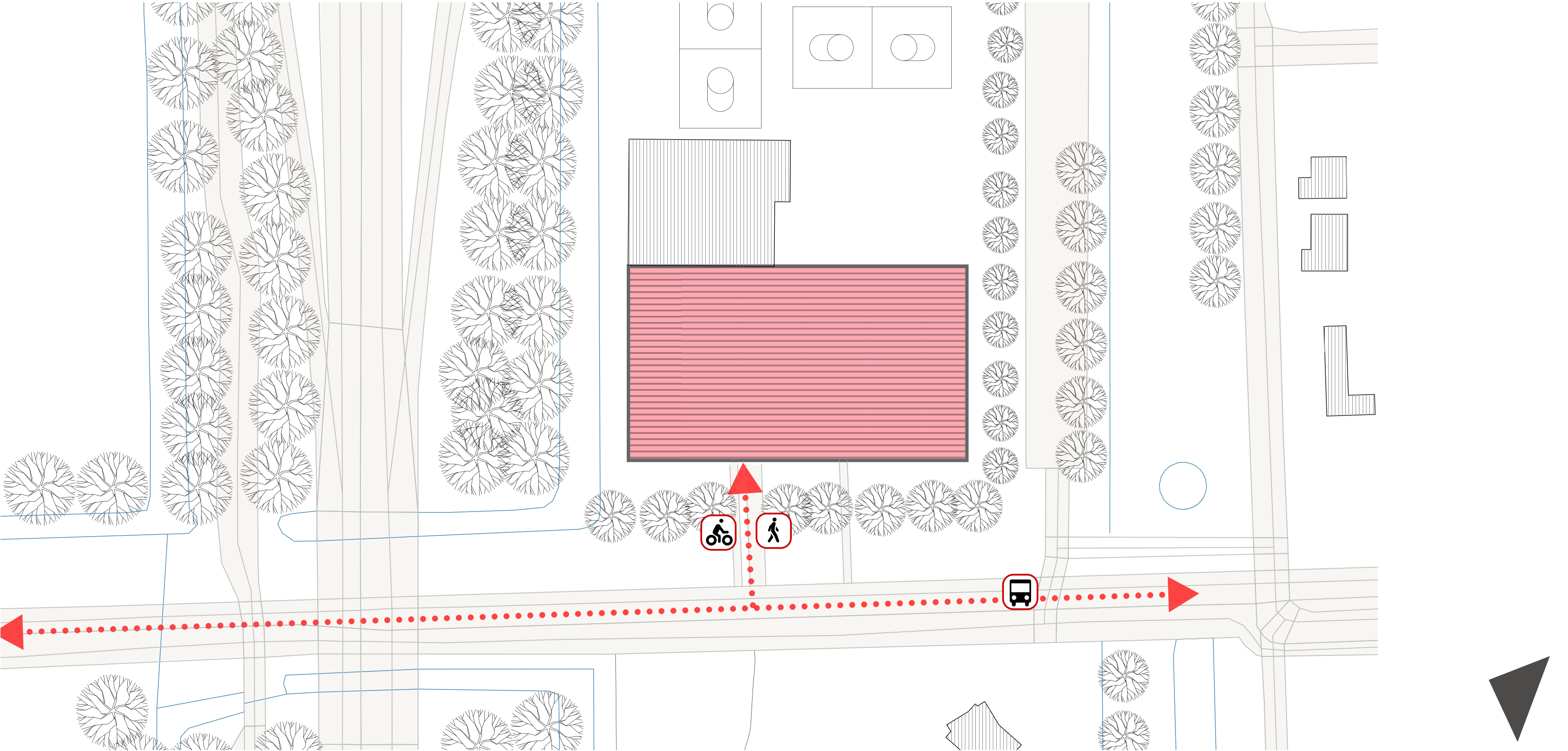


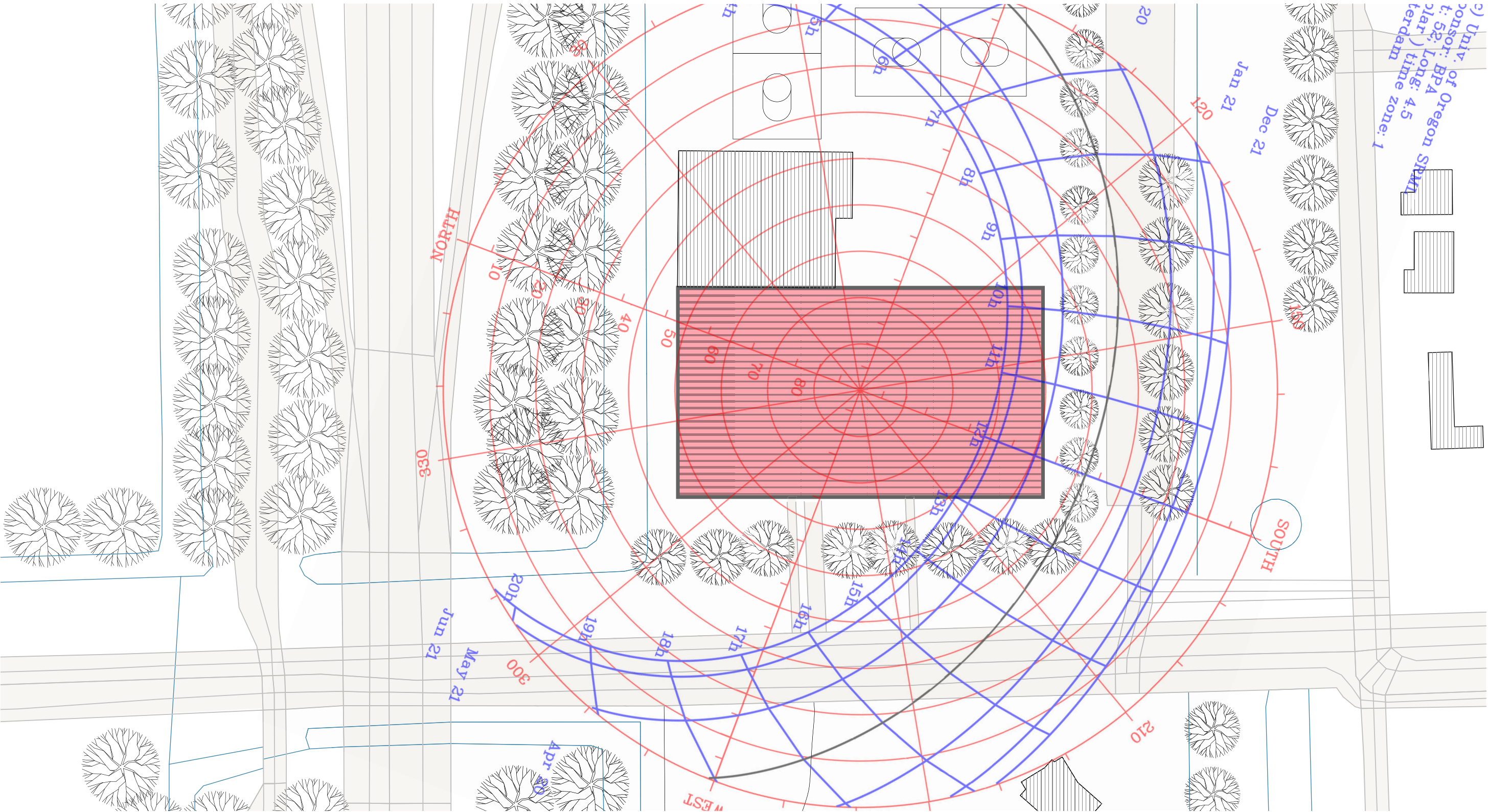


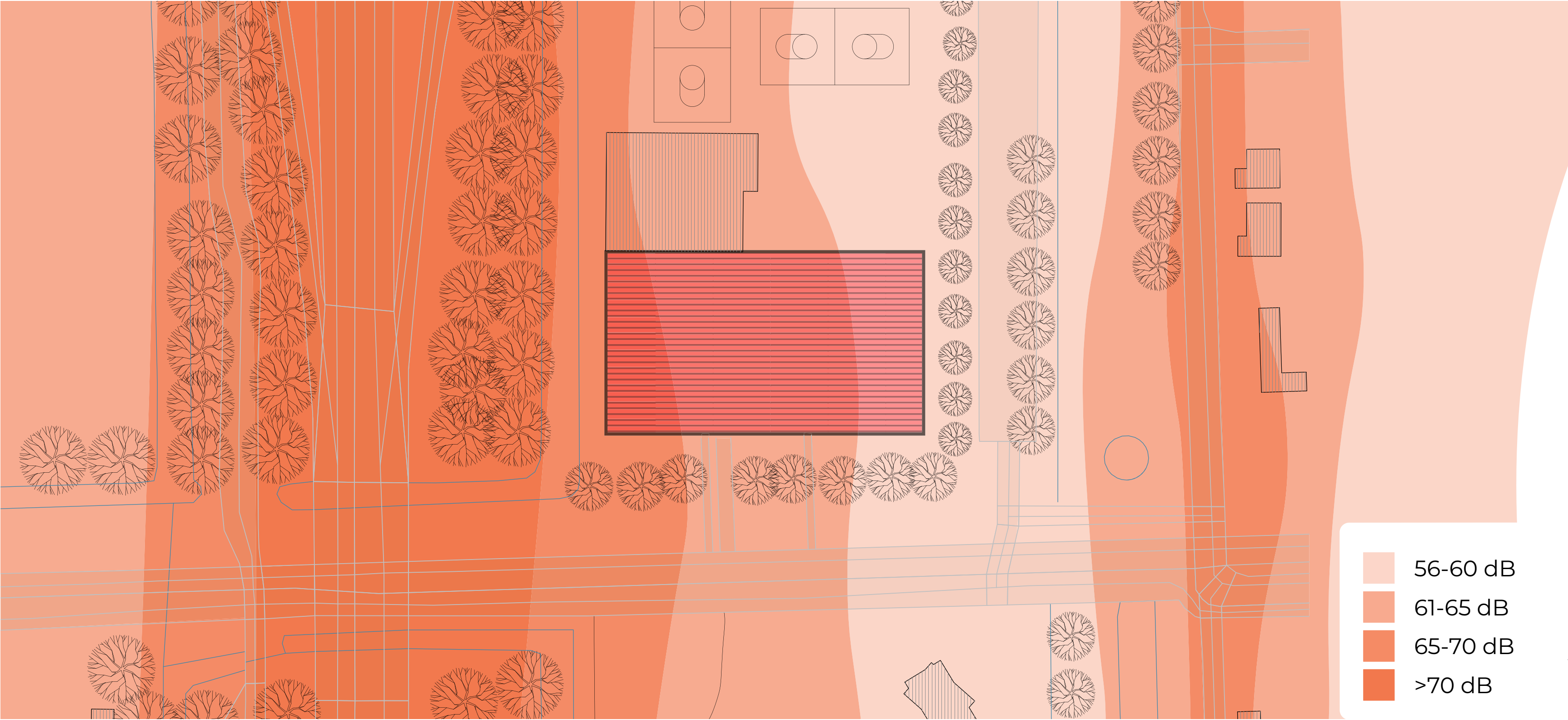
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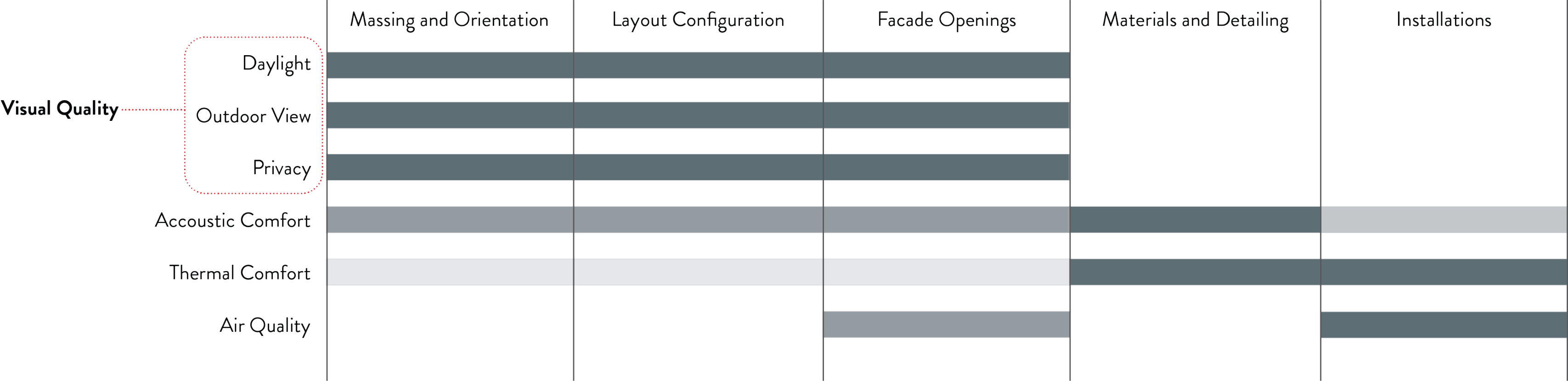






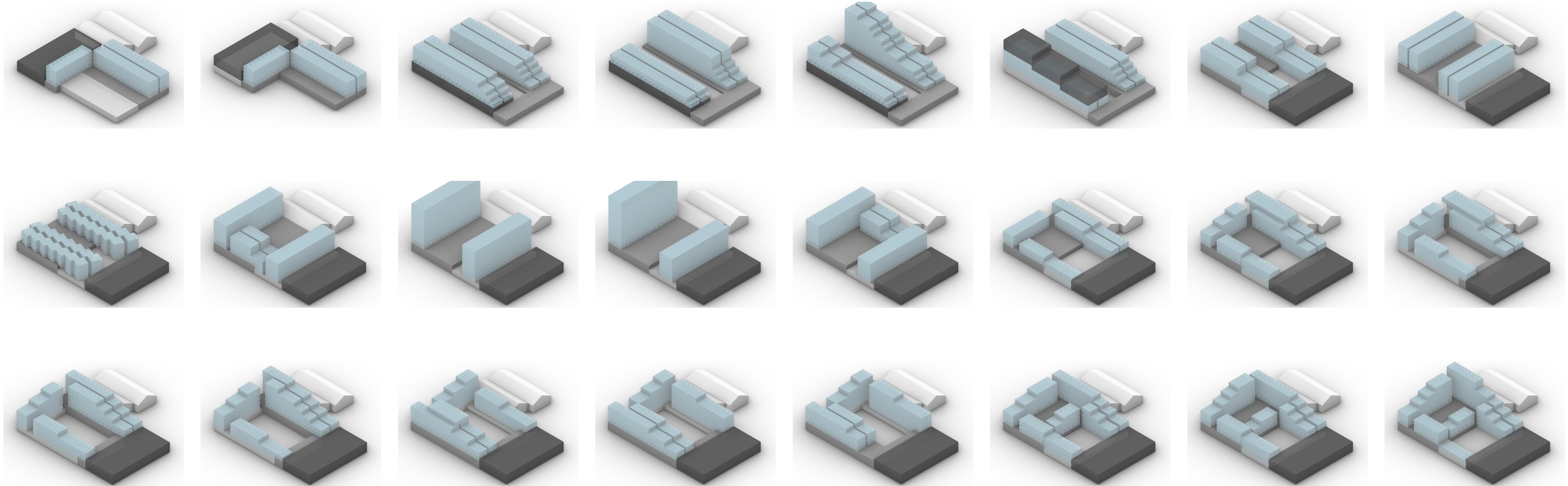
Quality- Housing

How to increase the quality of individual housing units?

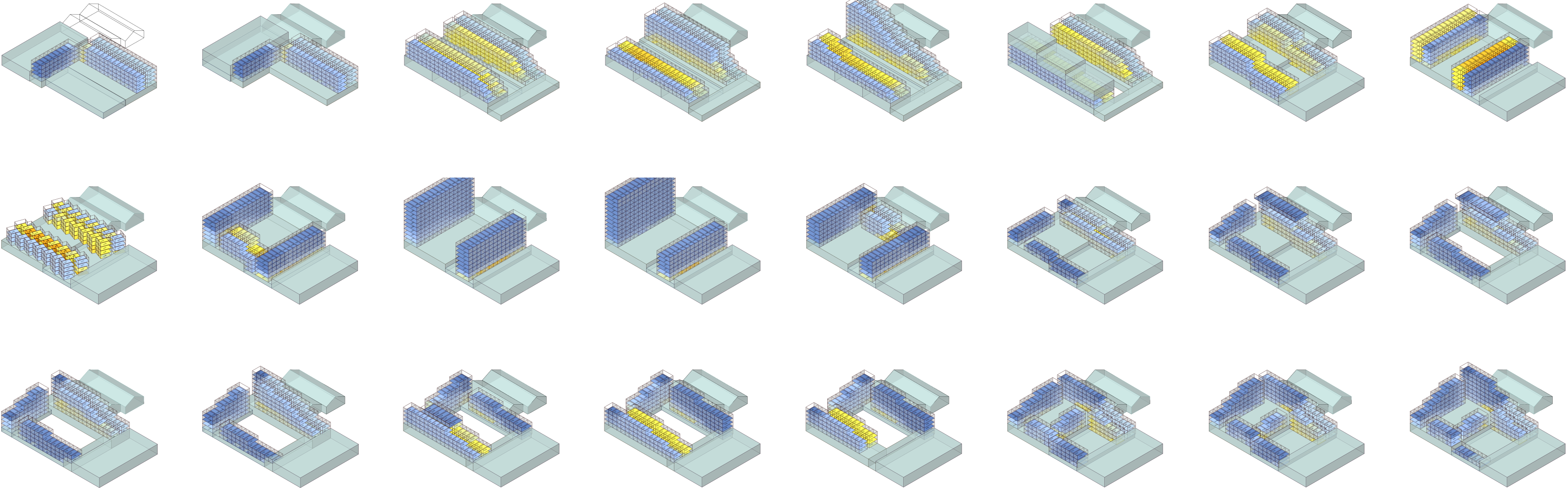


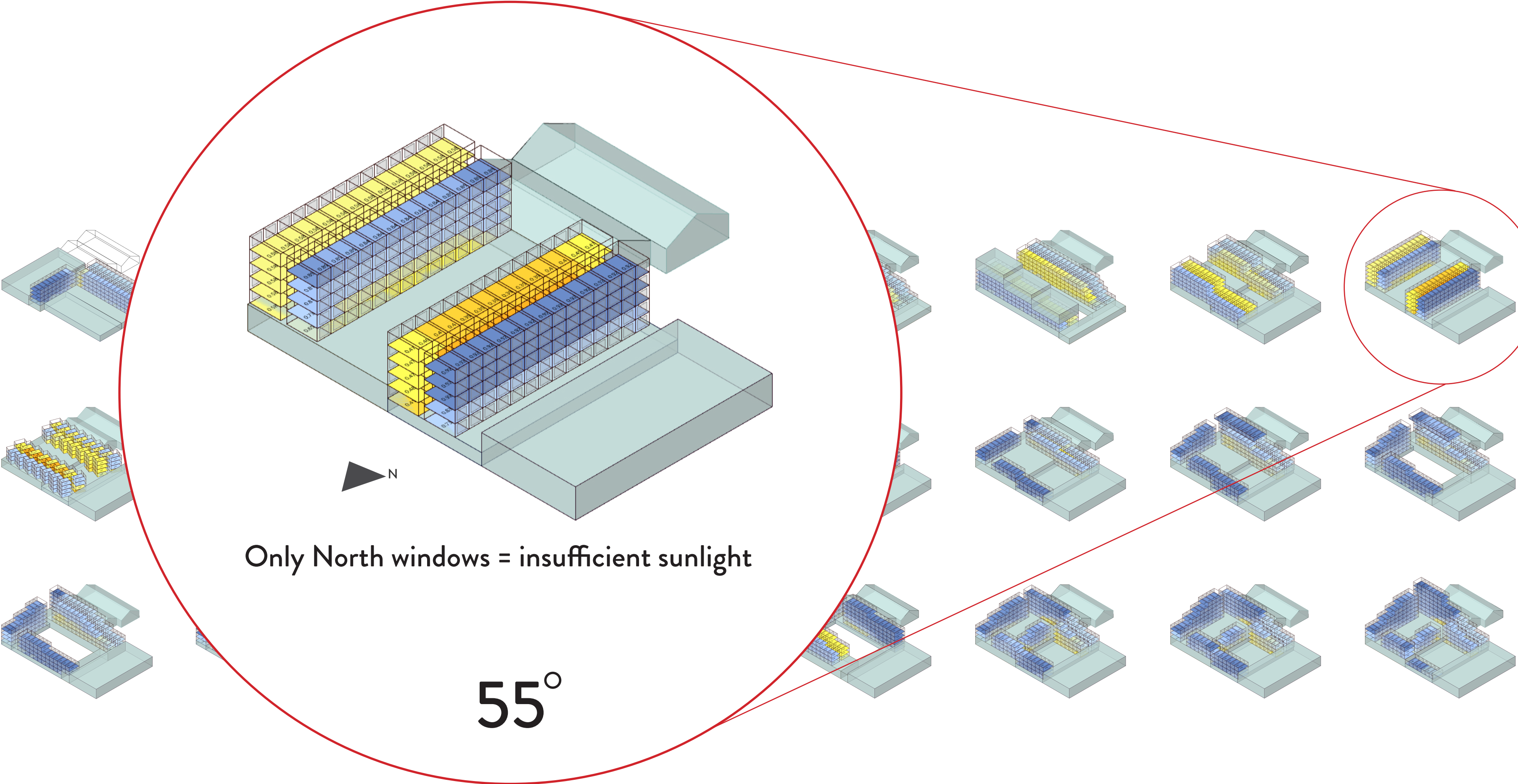
Source: Gramez & Boubenider, 2017

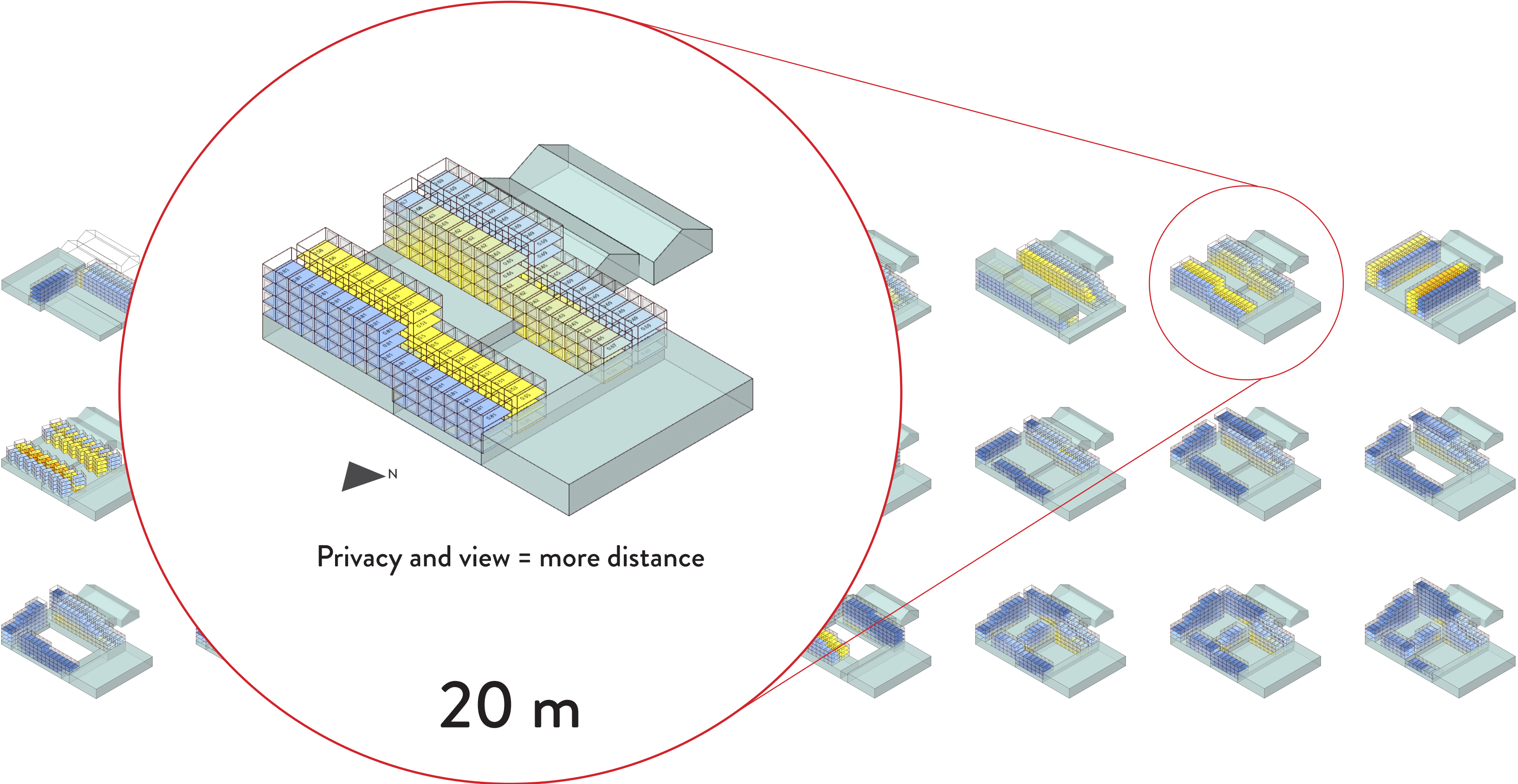
MASS STUDY

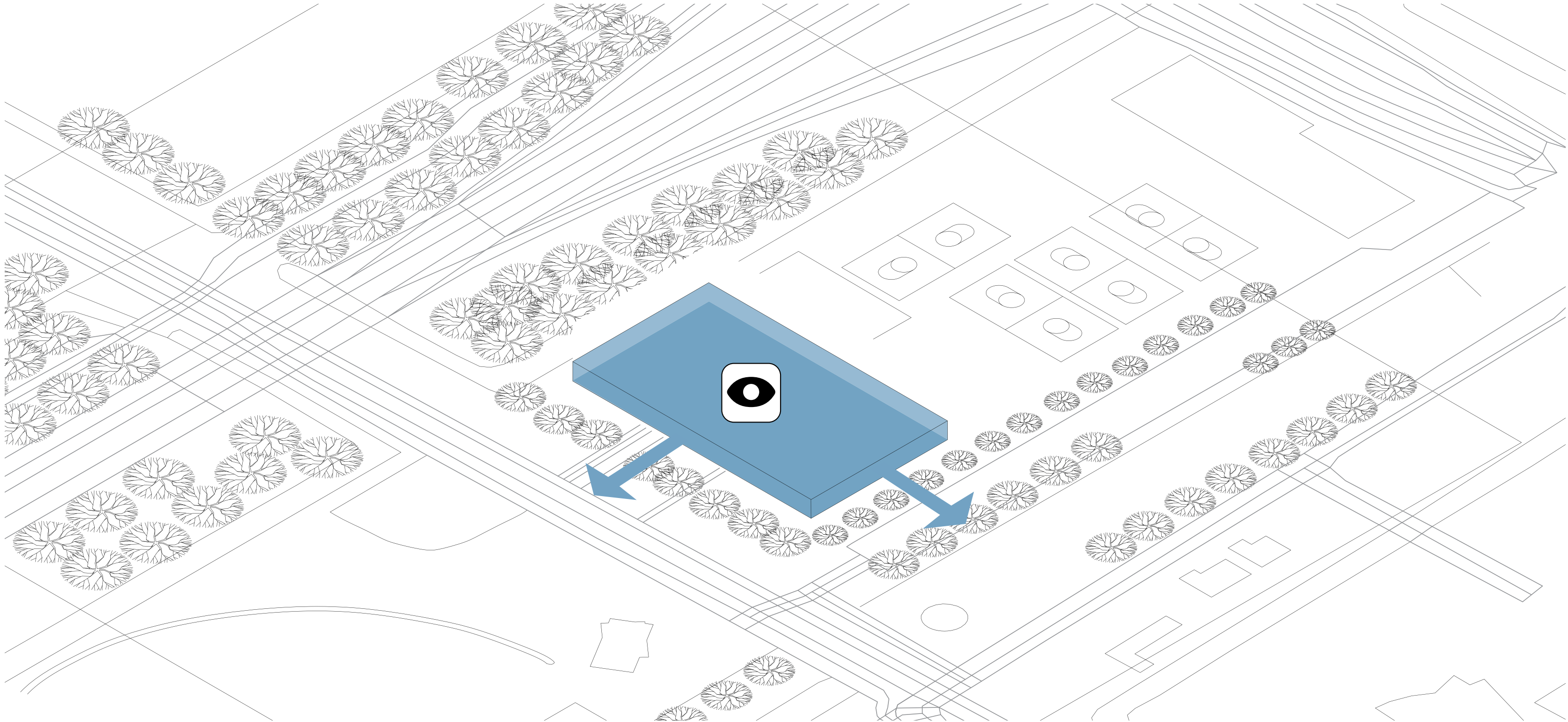


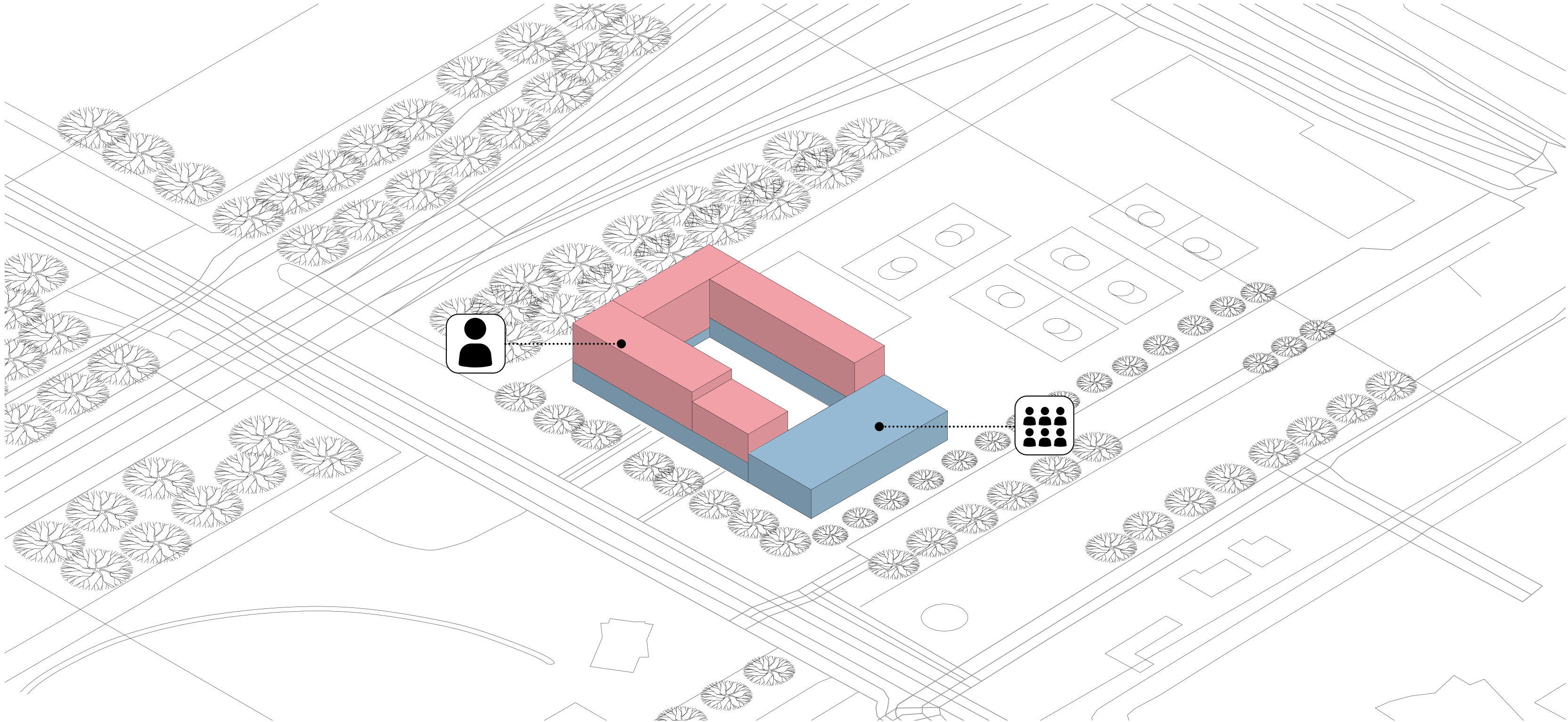
PARAMETRIC TESTING

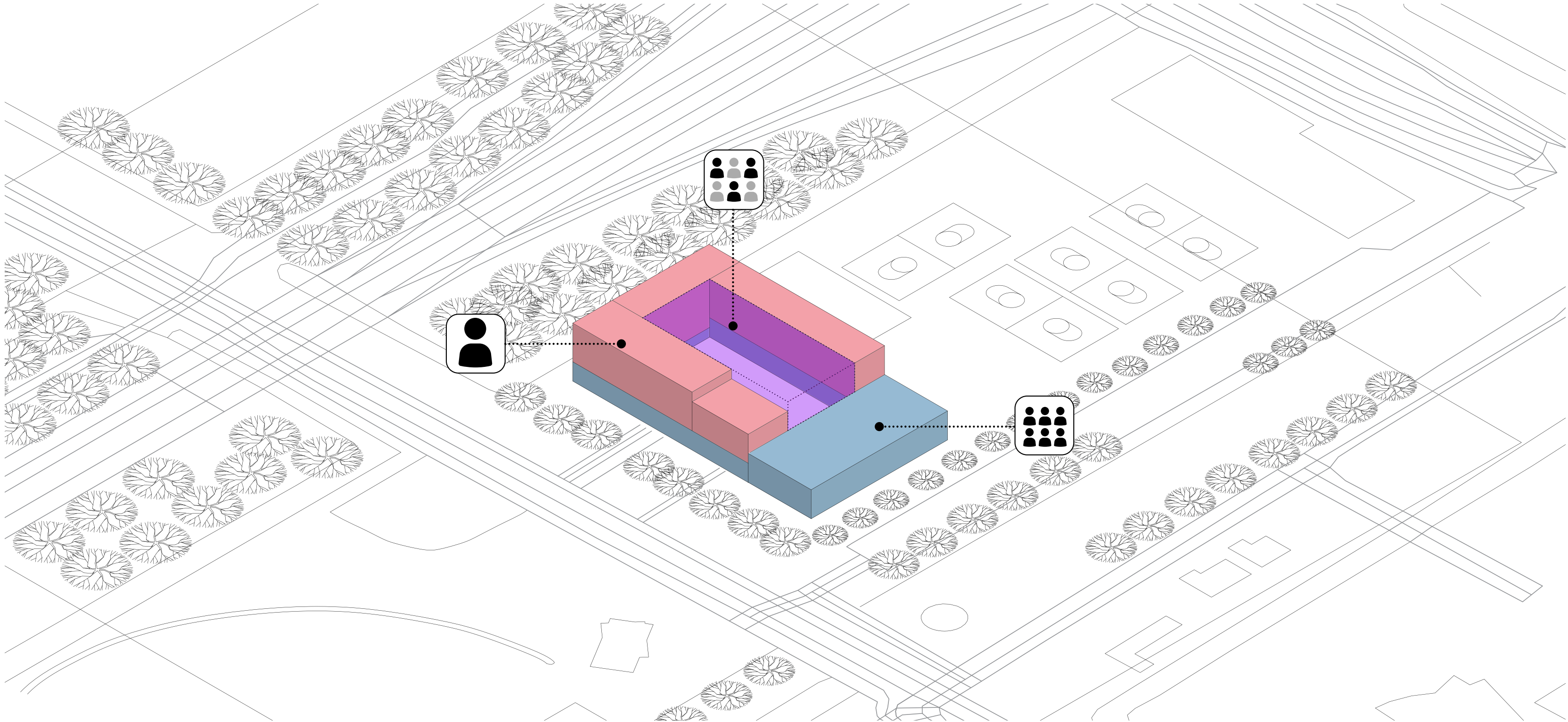




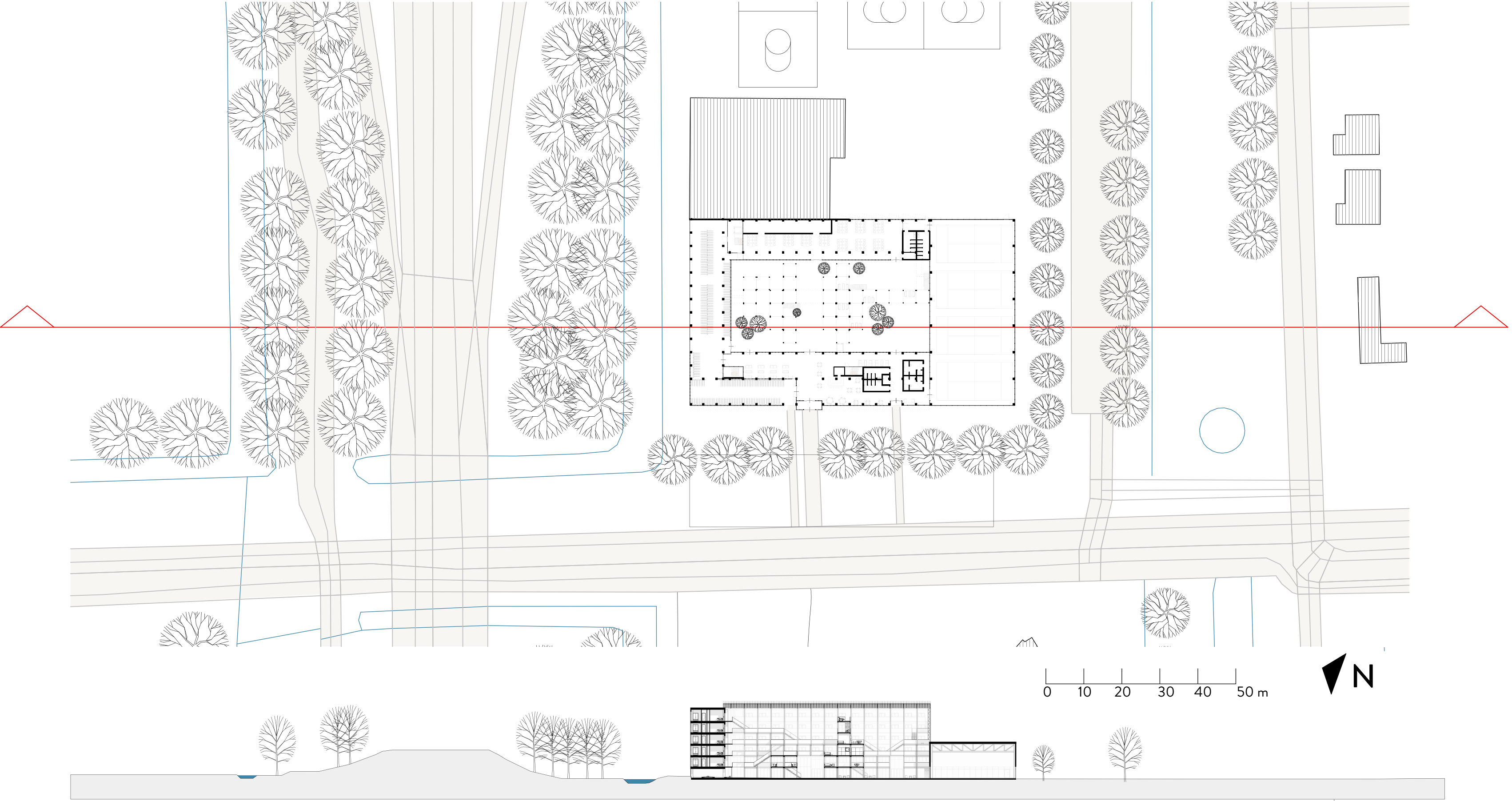


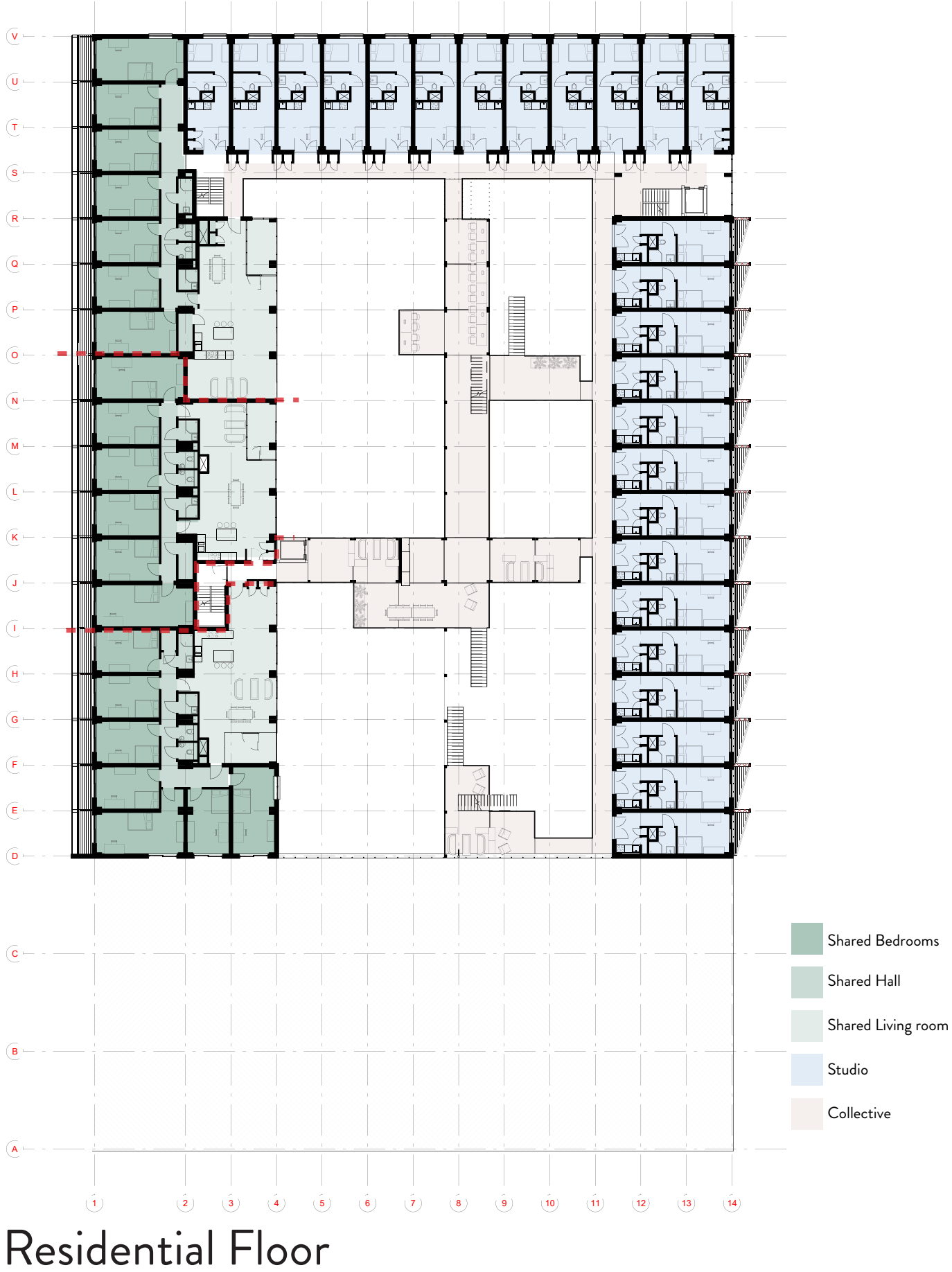
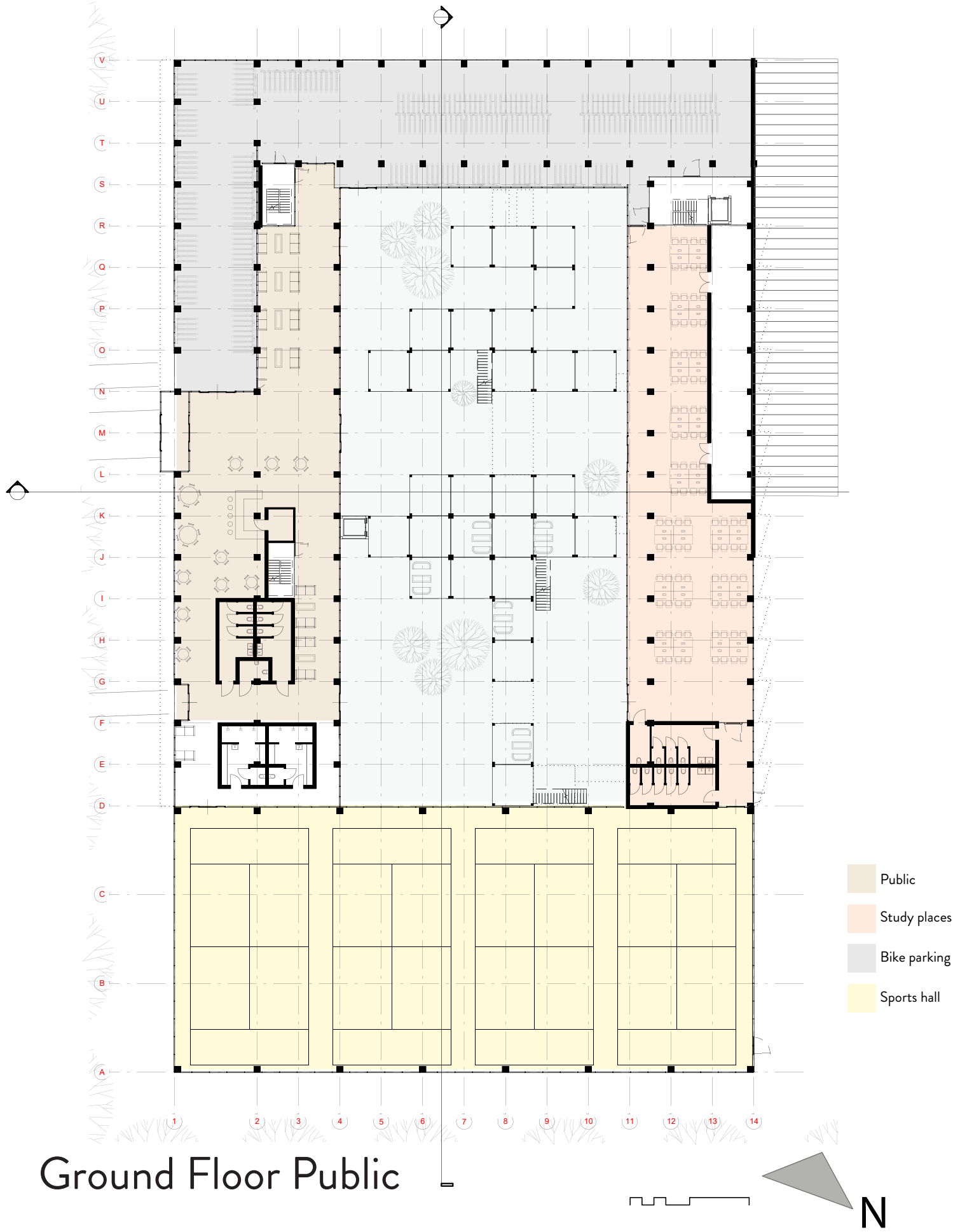


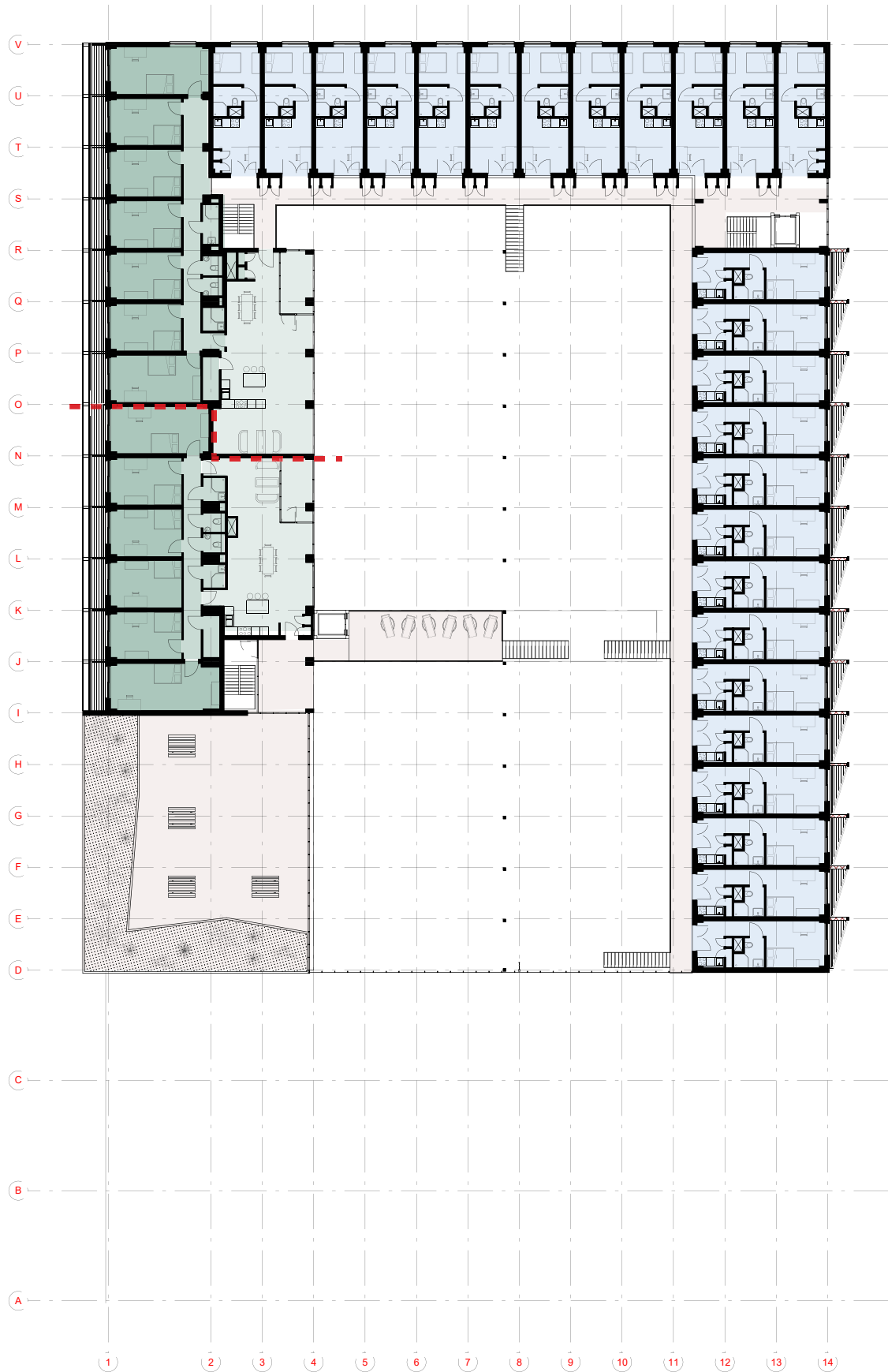




SITE PLAN

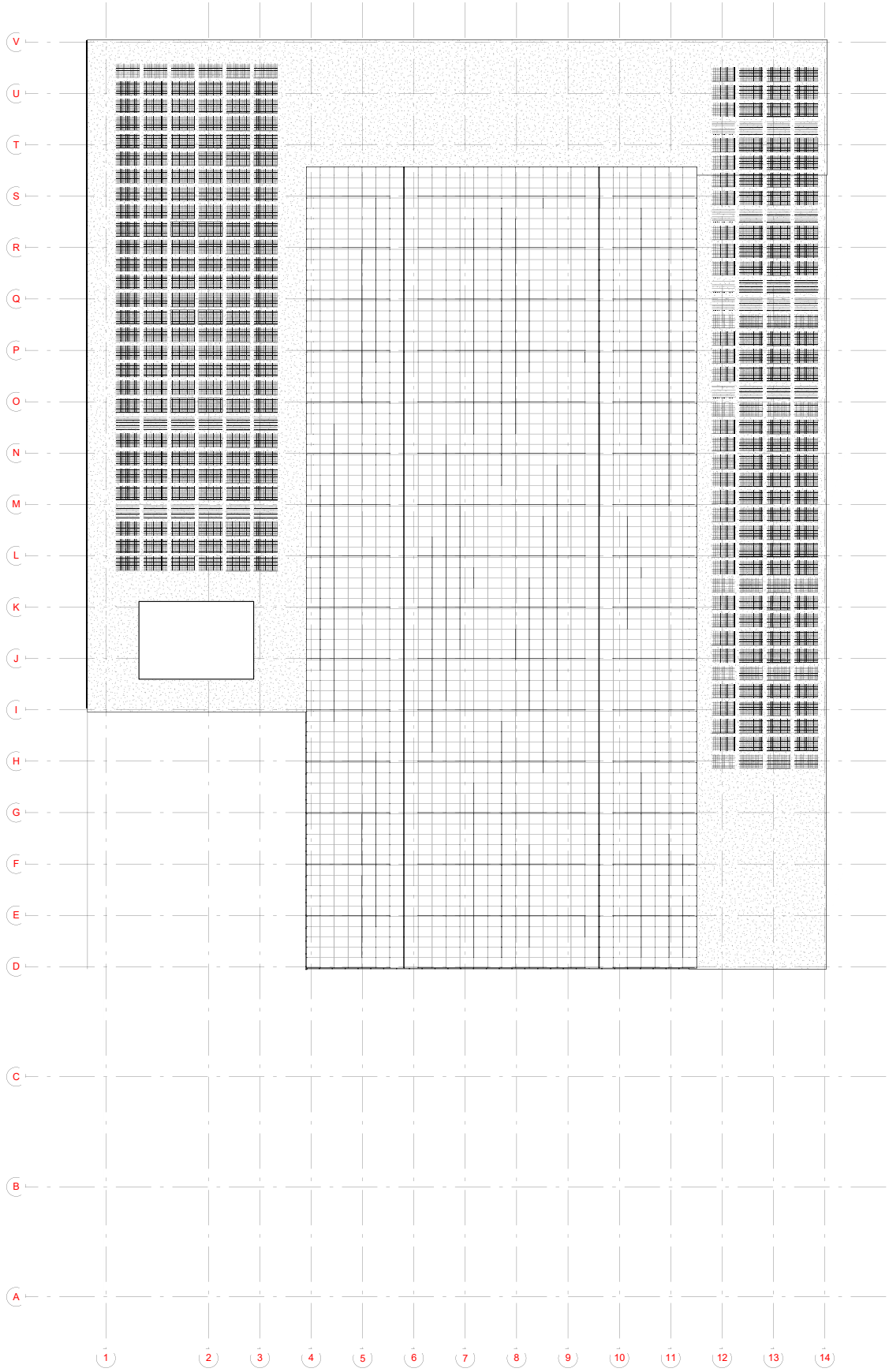




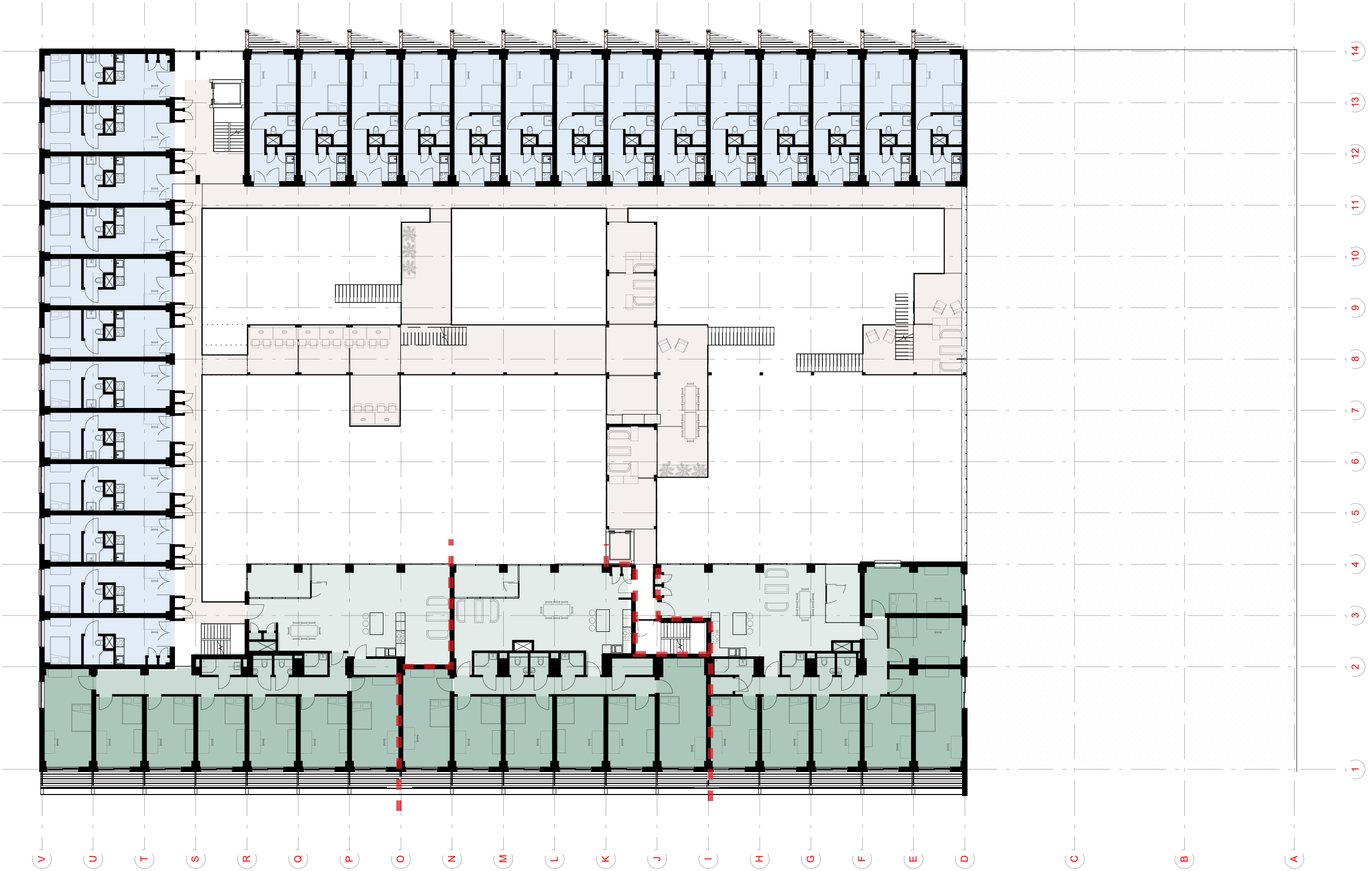


- Shared Bedrooms
- Shared Hall
- Shared Living room
- Studio
- Collective

Fifth Floor

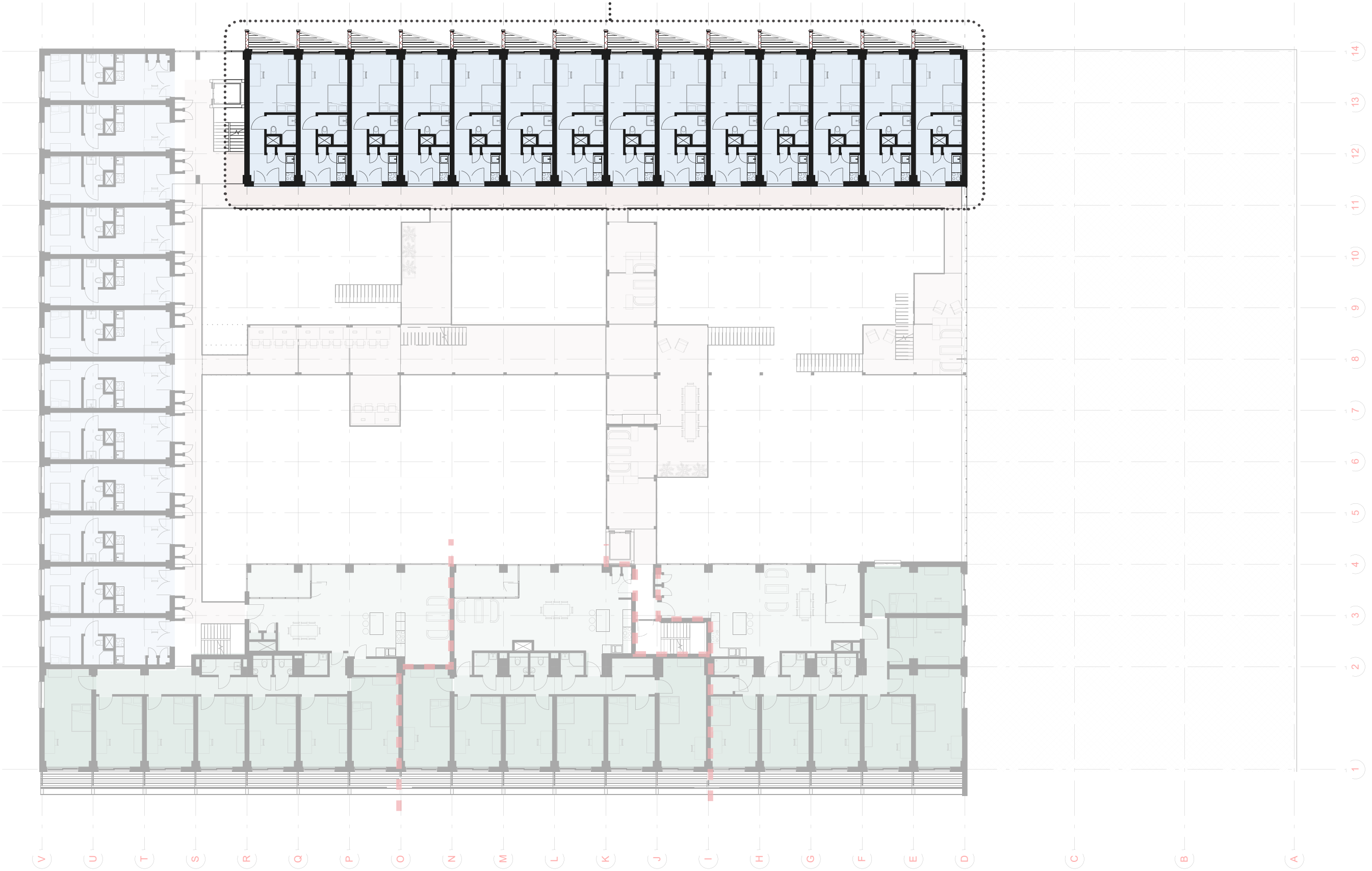


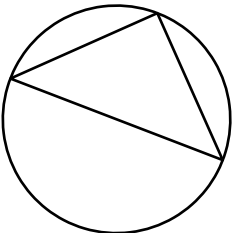
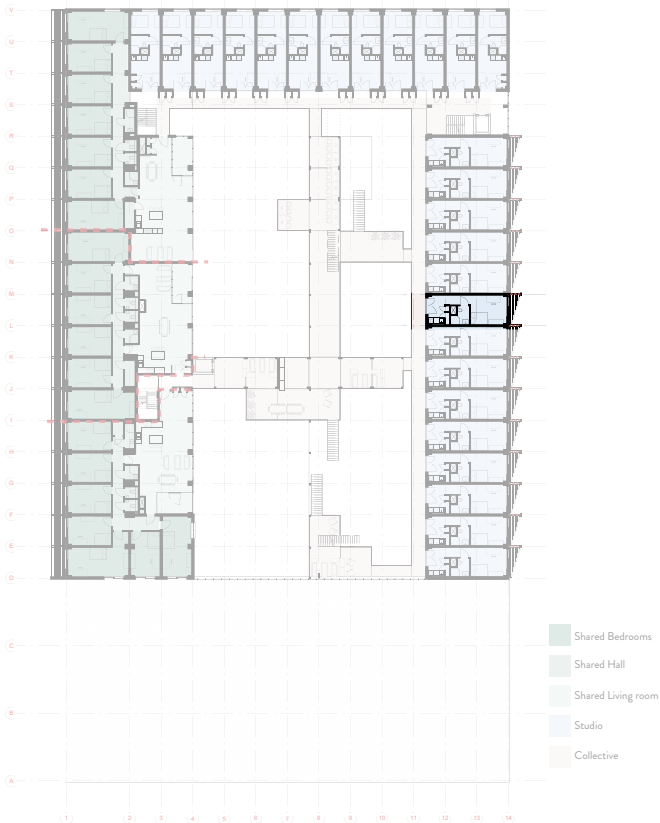
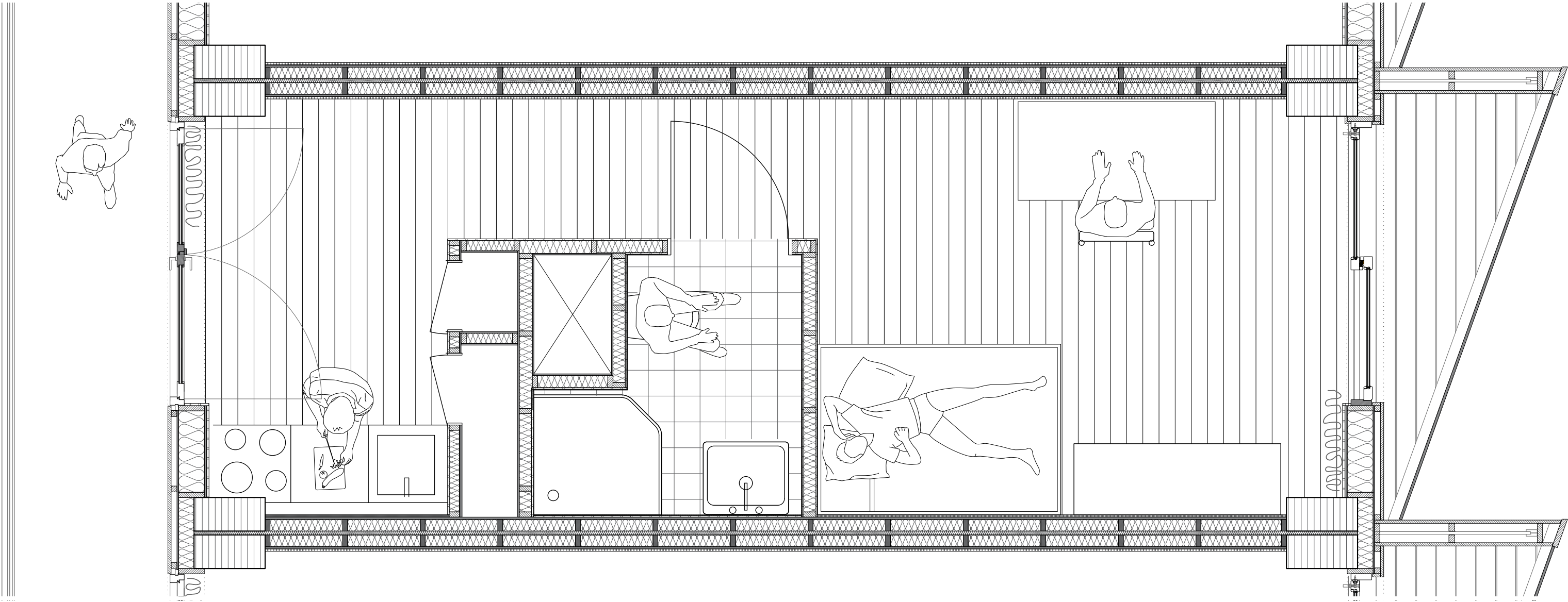
Roof Plan

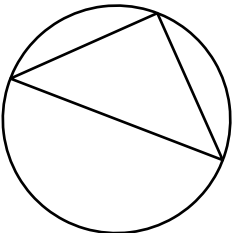
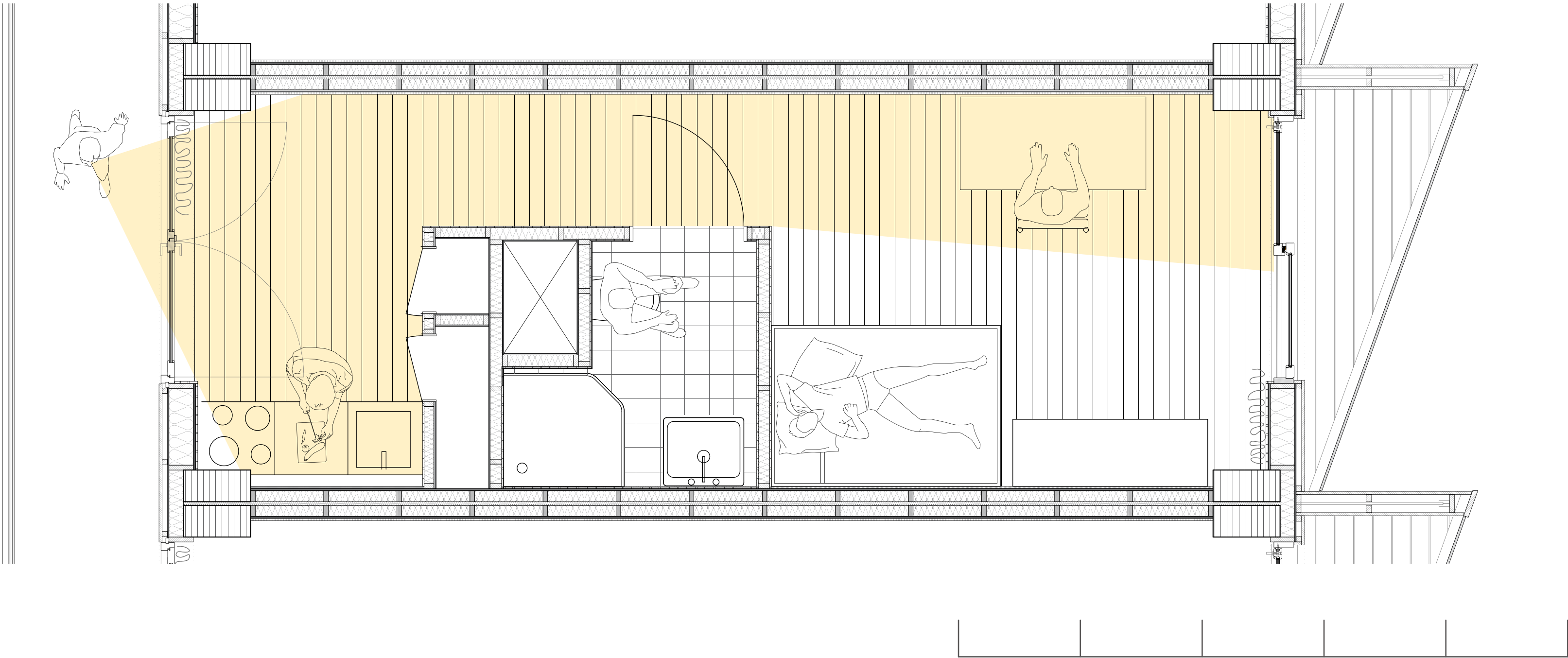


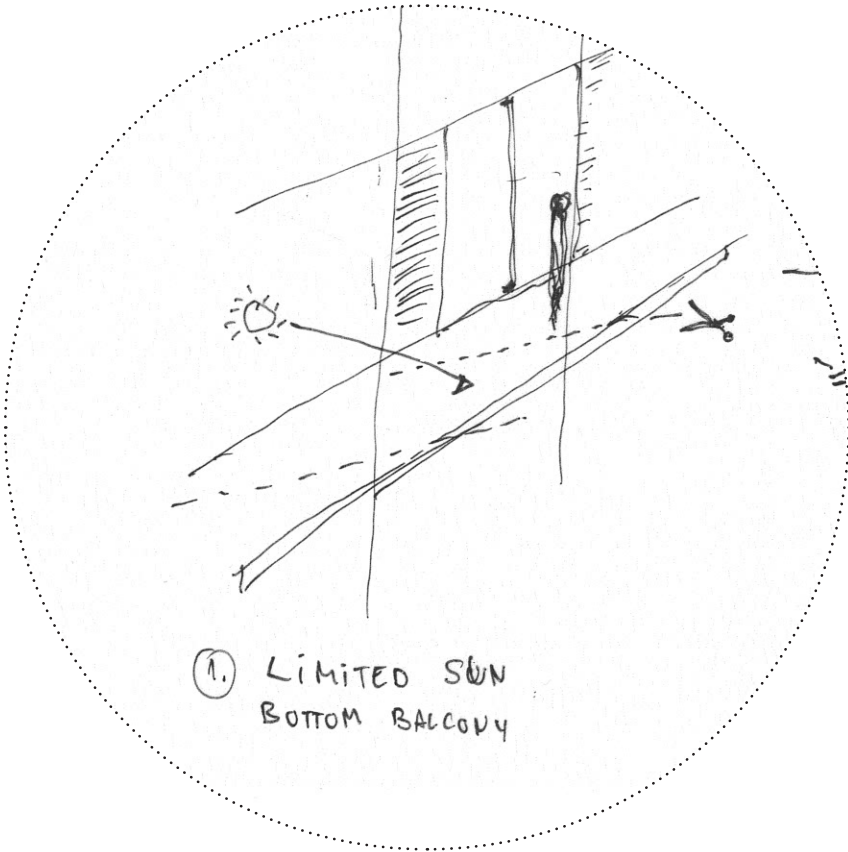
STUDIO EAST

Studio East

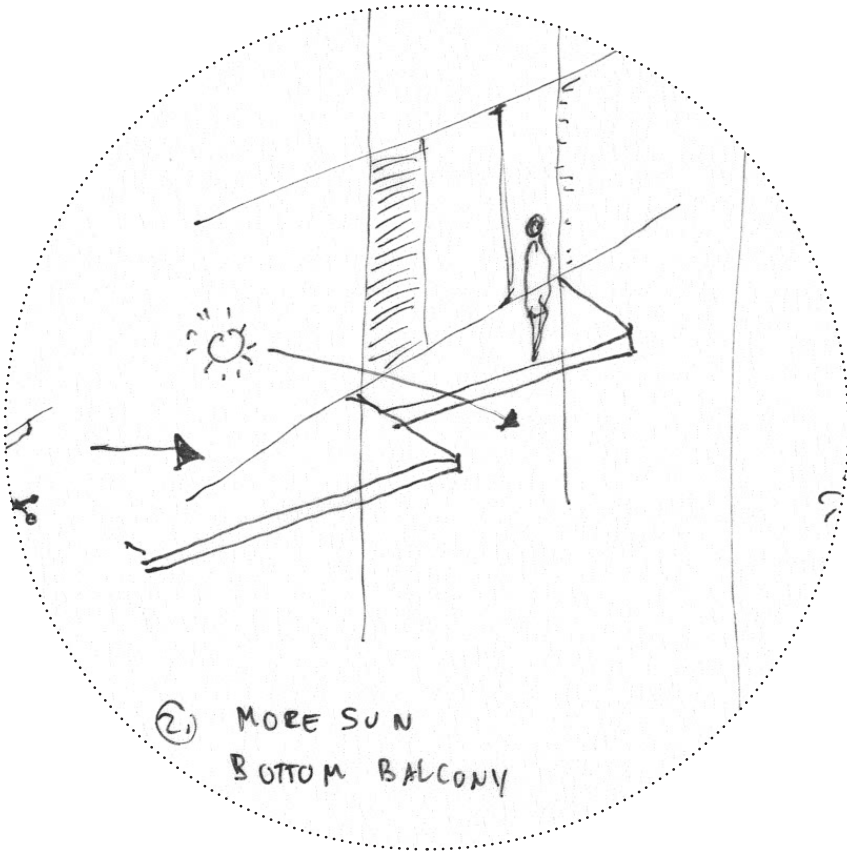




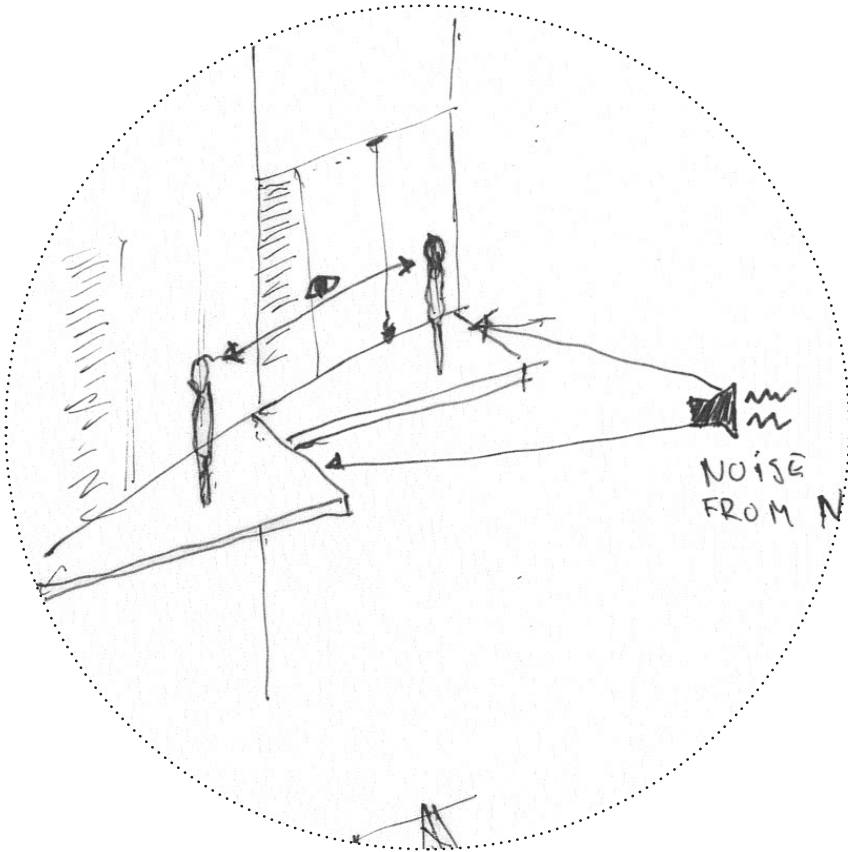




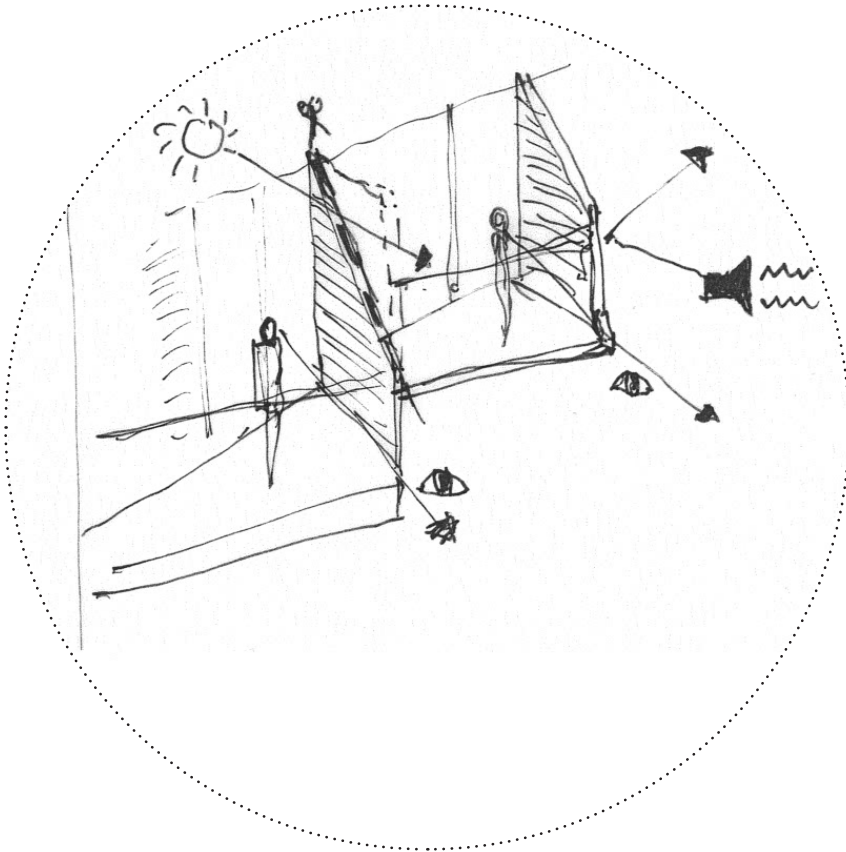
1. Straight balcony



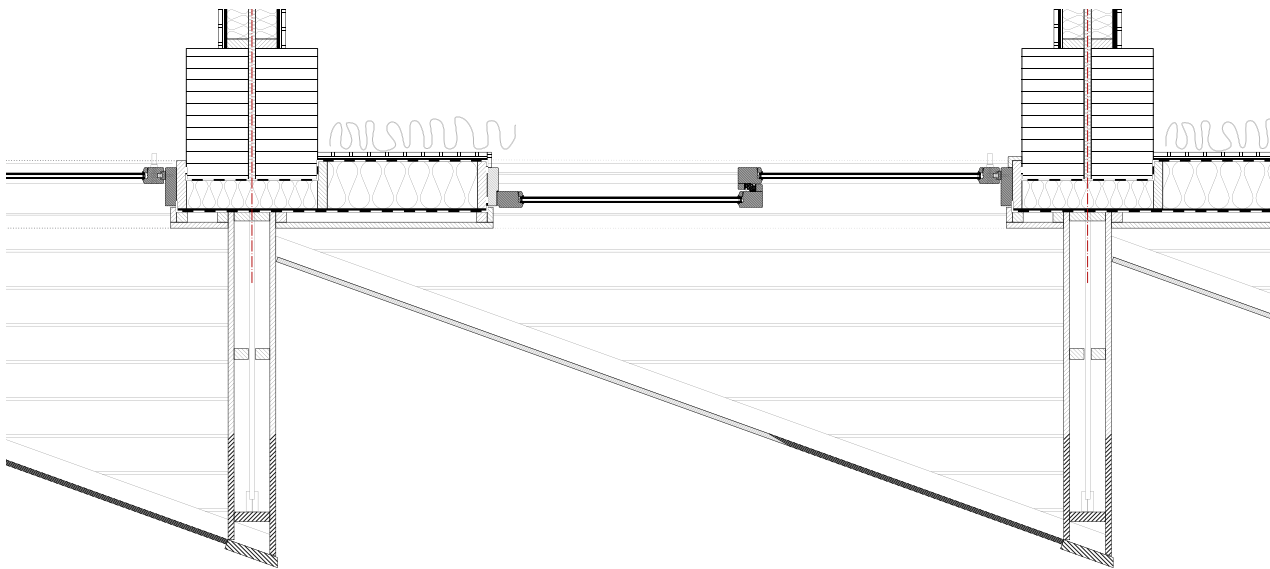
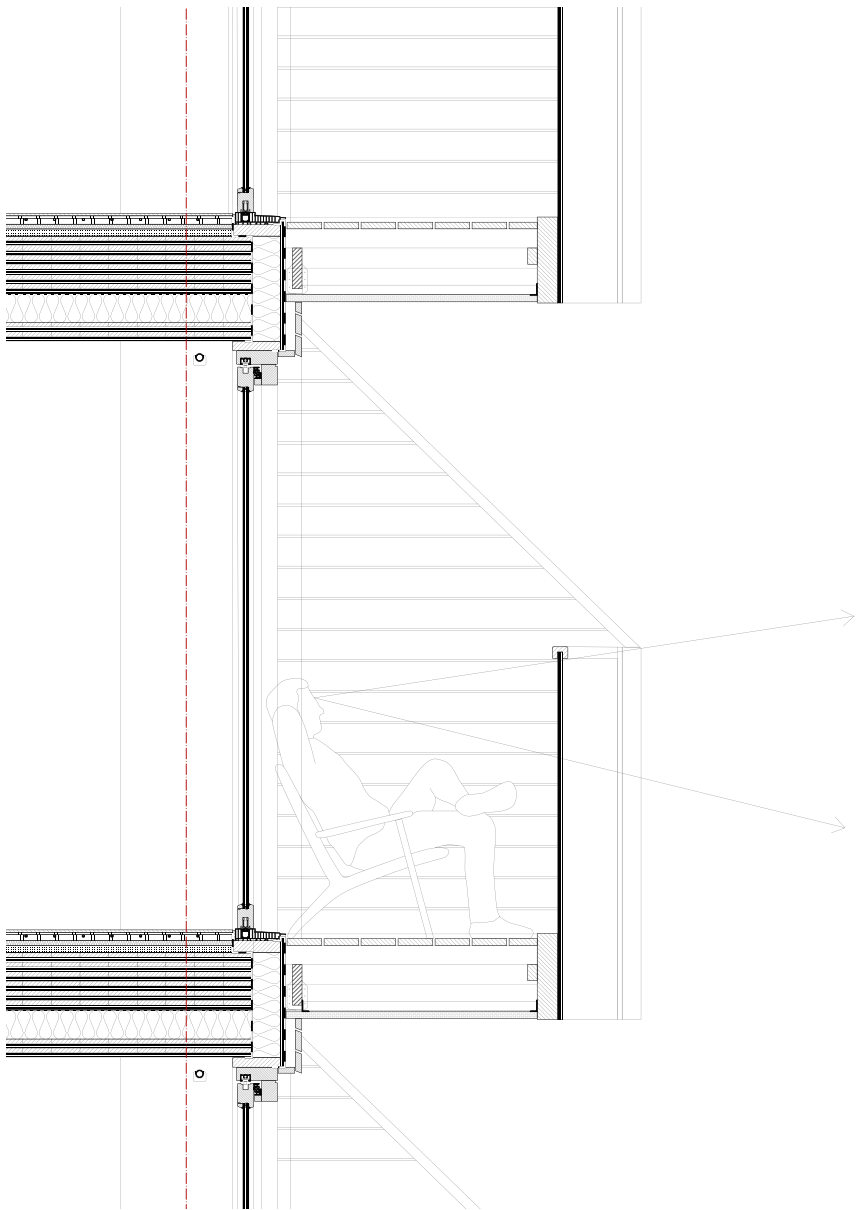
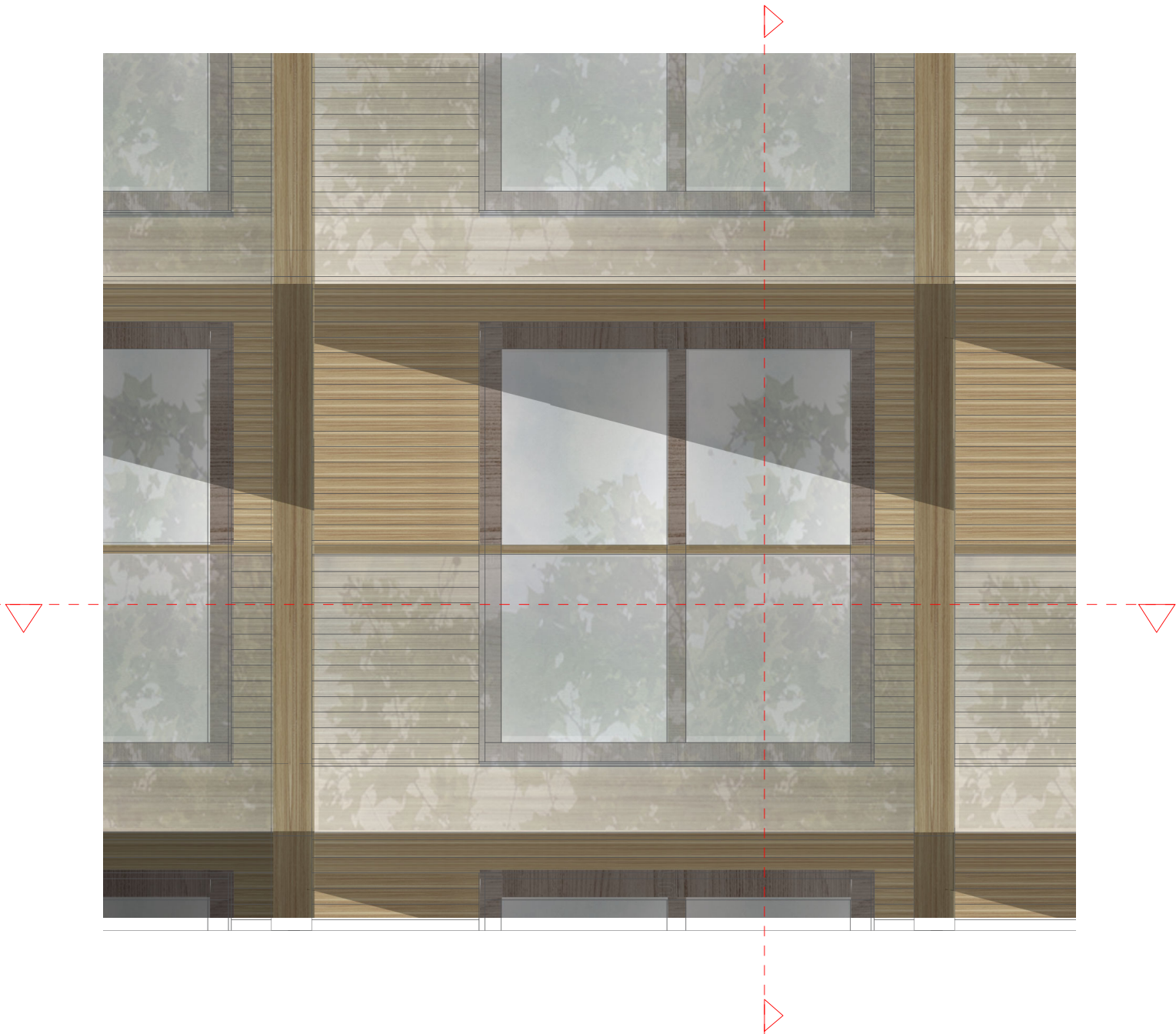
2. Sun cut



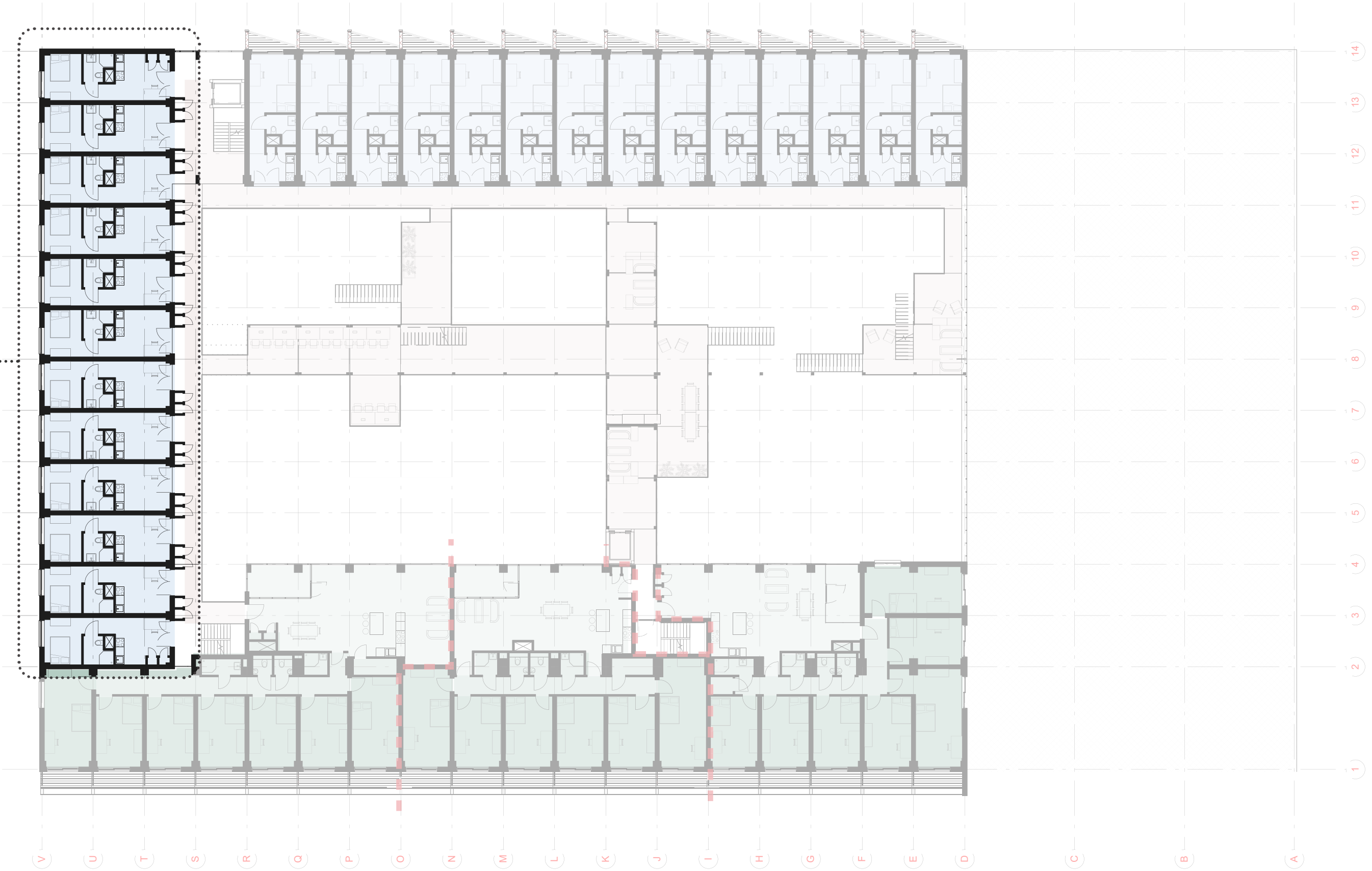
3. Visual and accoustic exposure

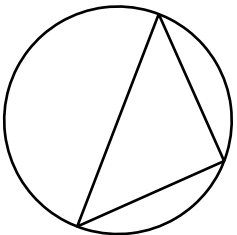
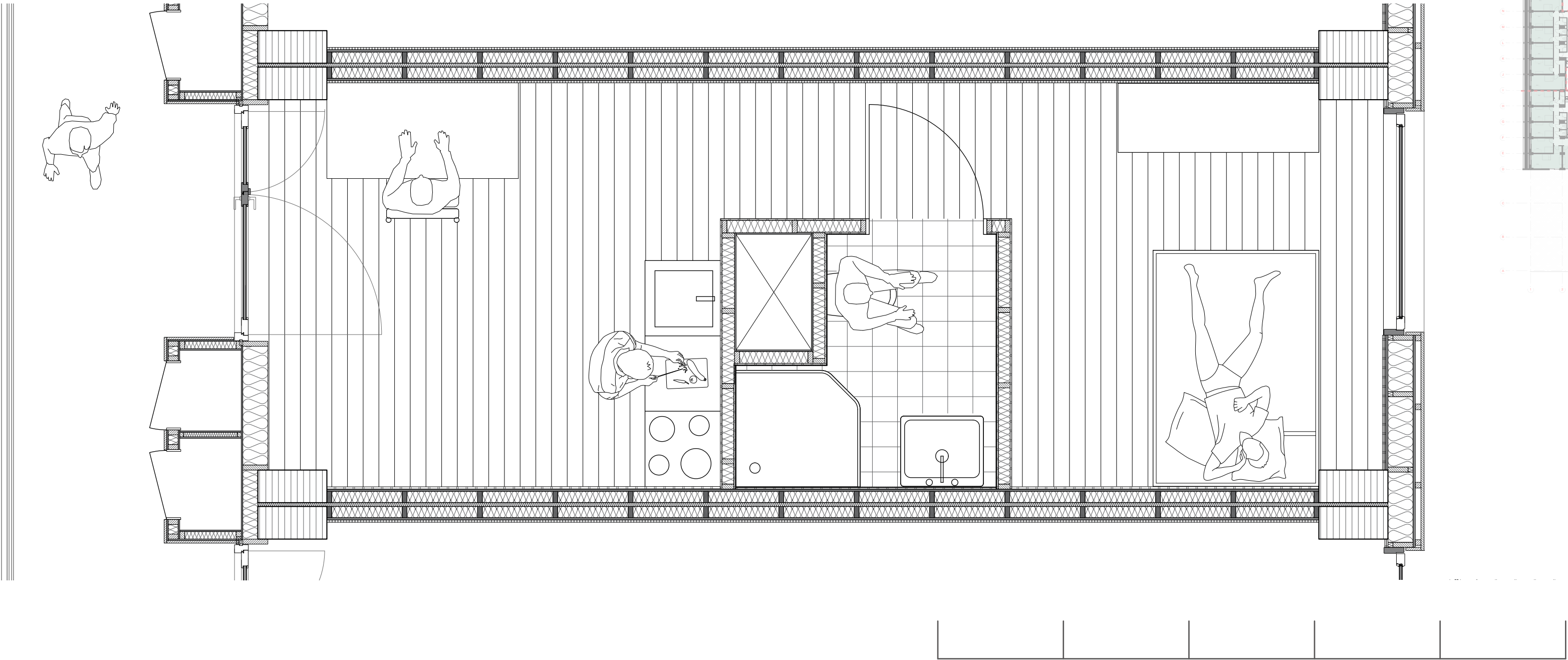


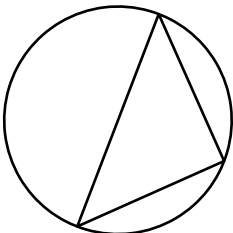
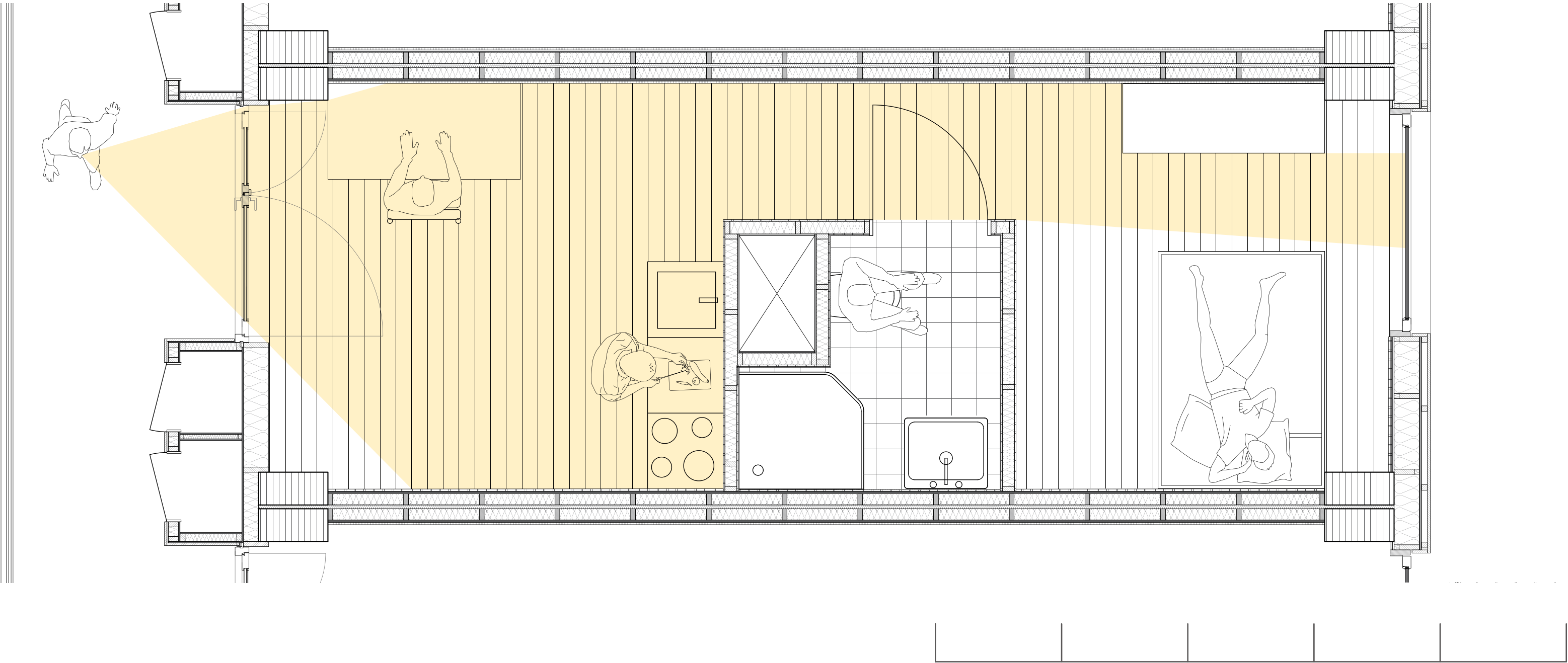
2. Side wall and railing

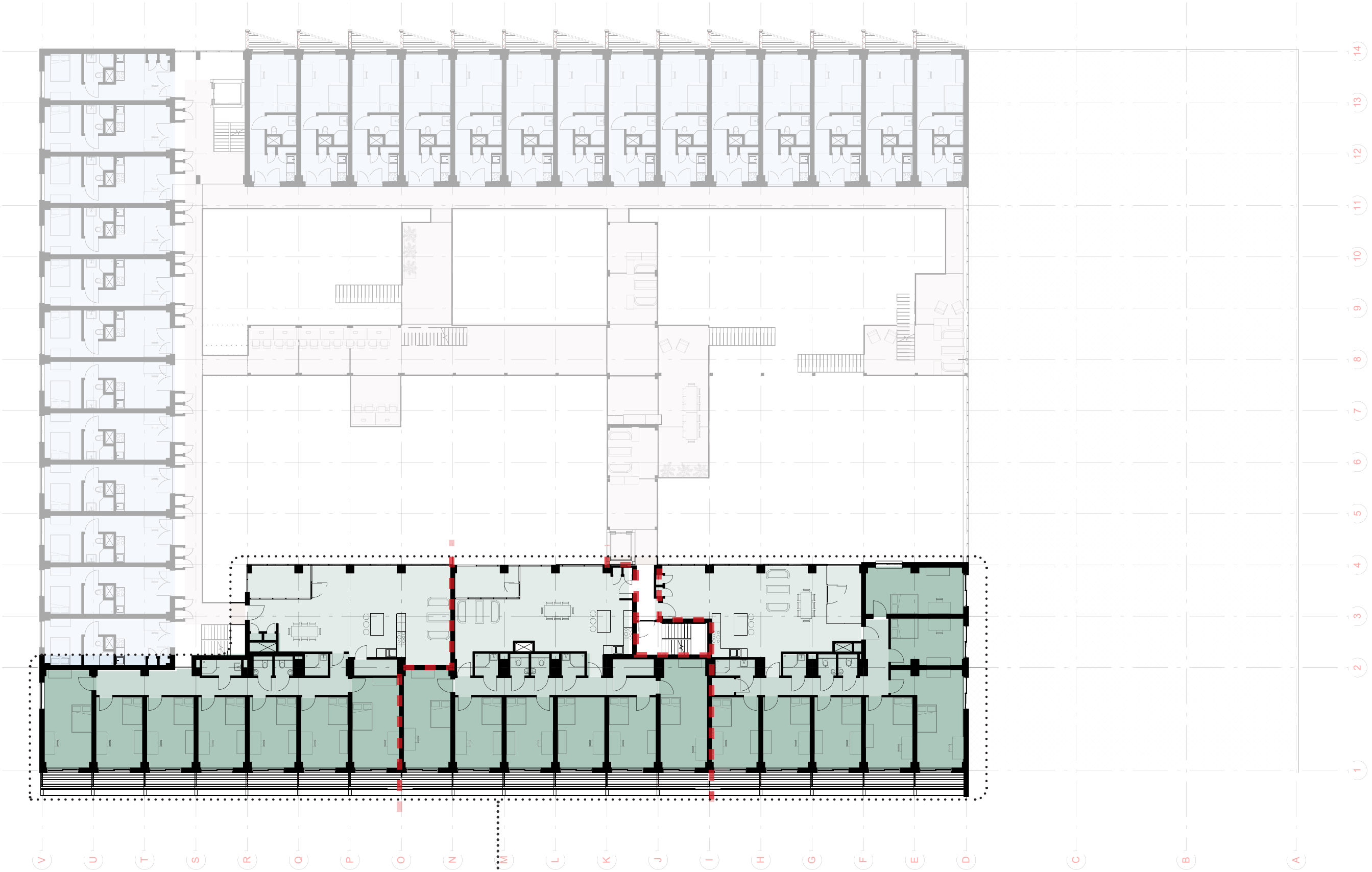


Studio North



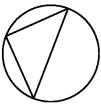
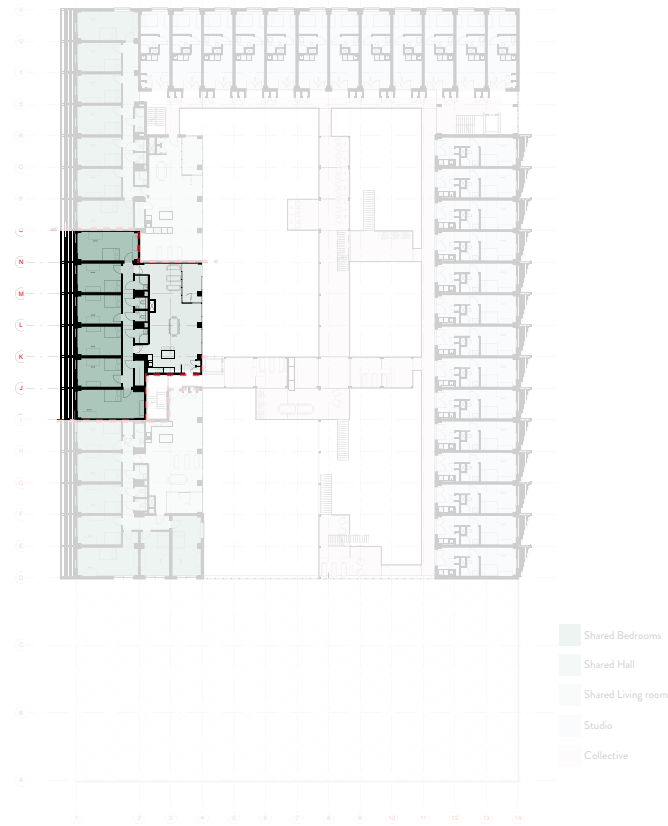
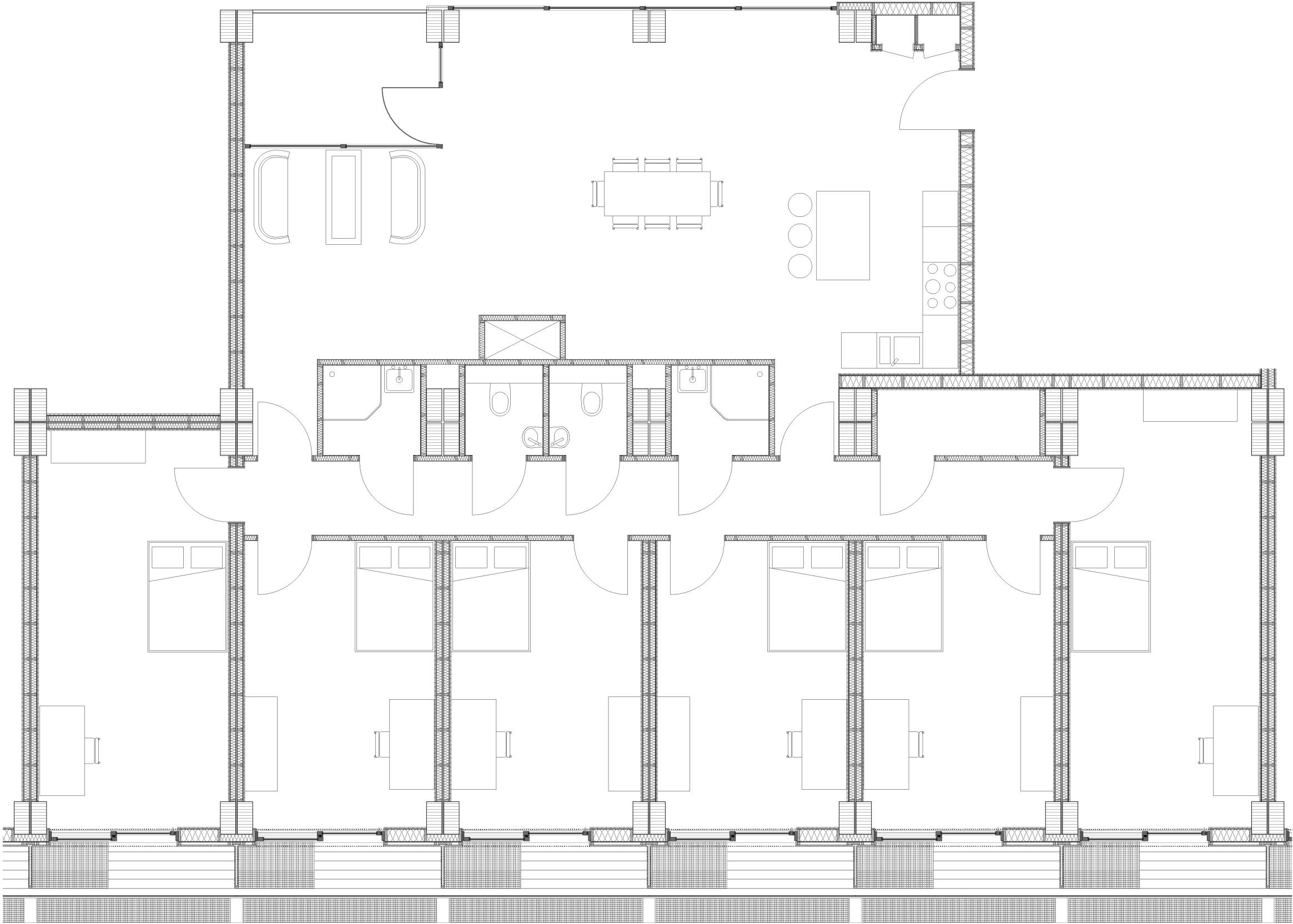


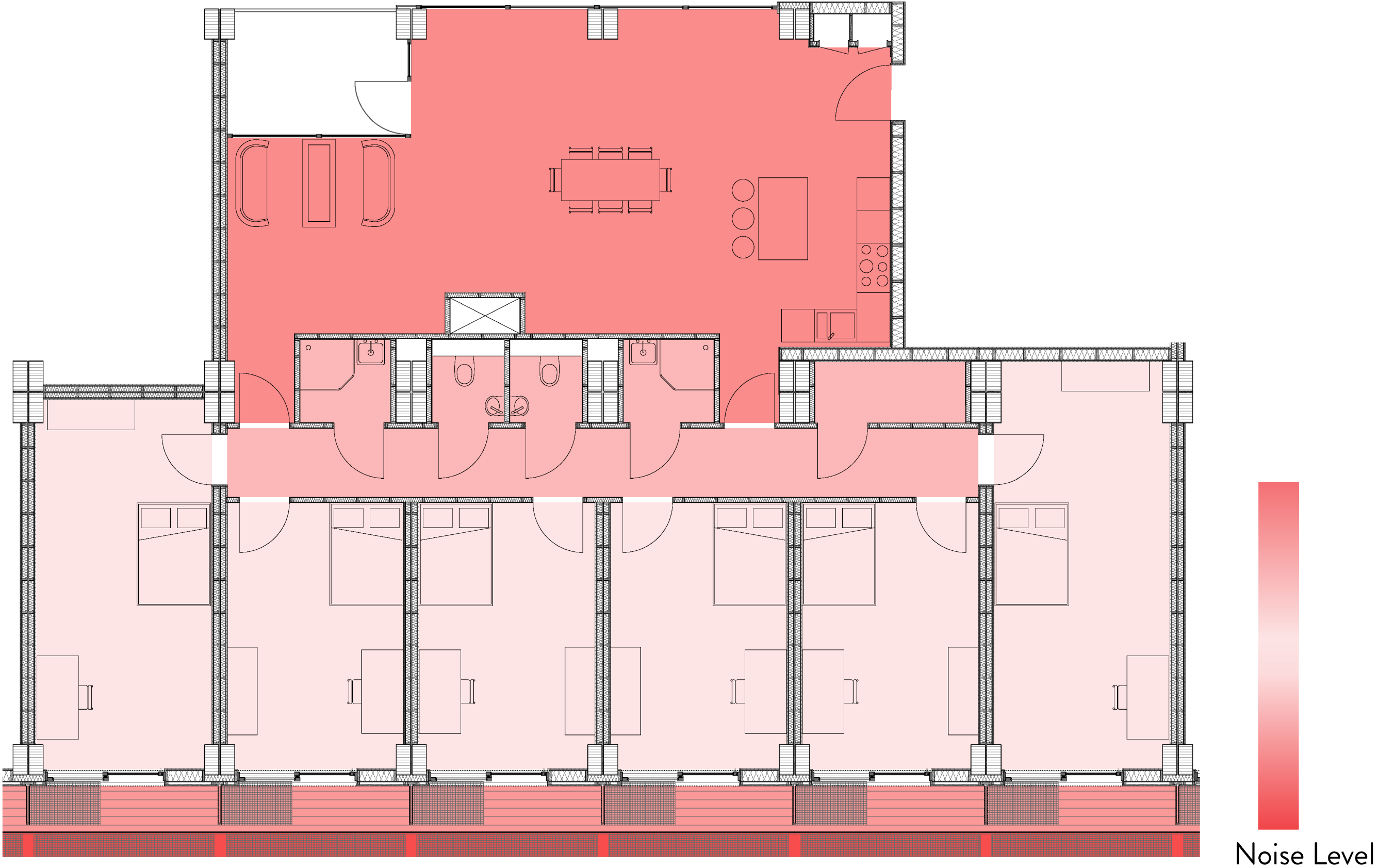


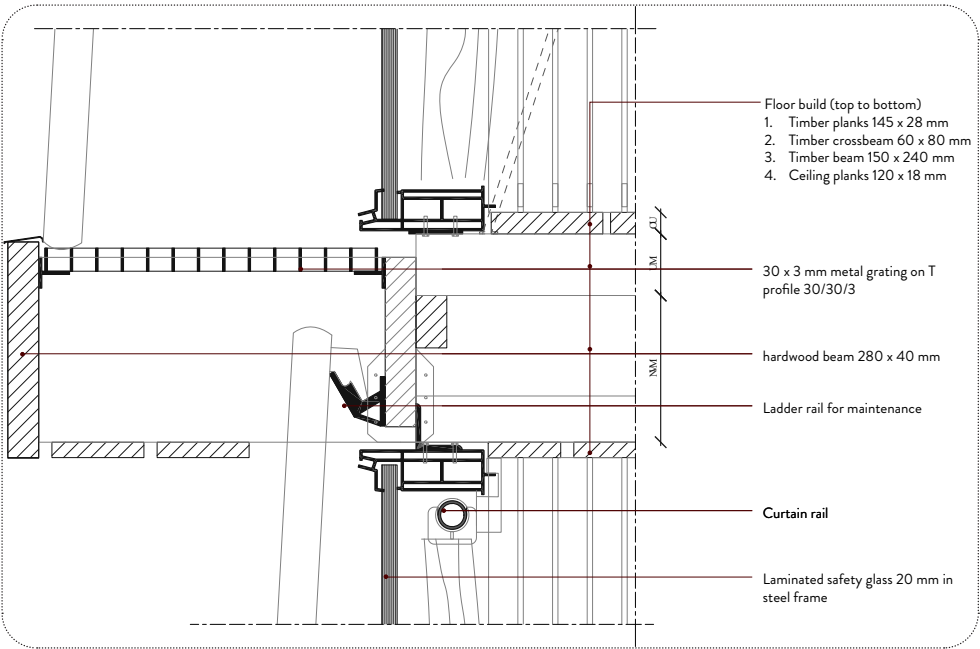
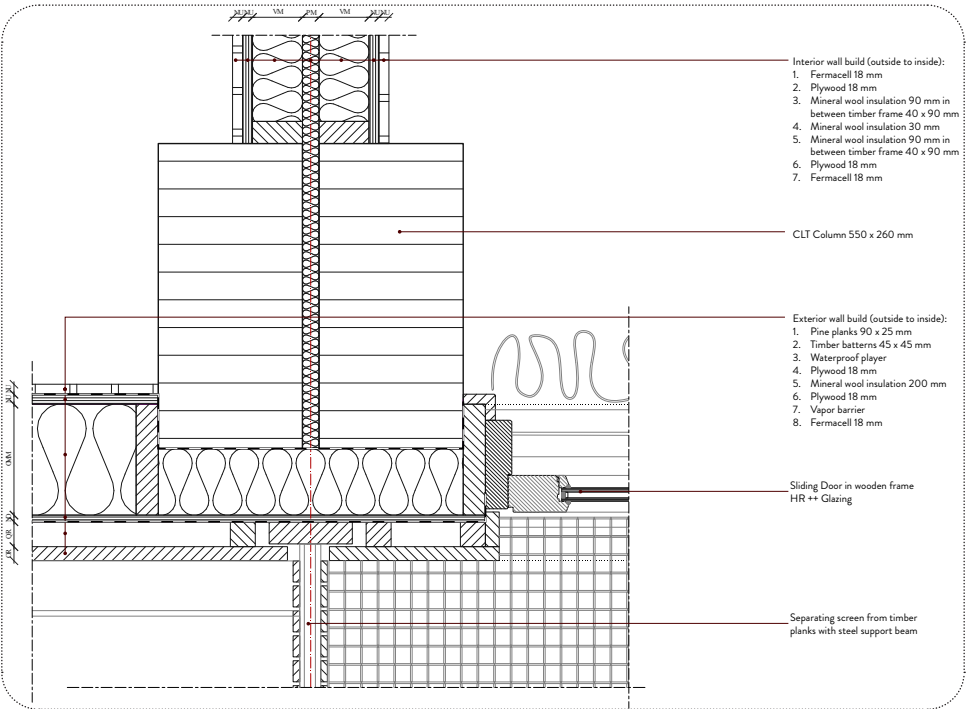
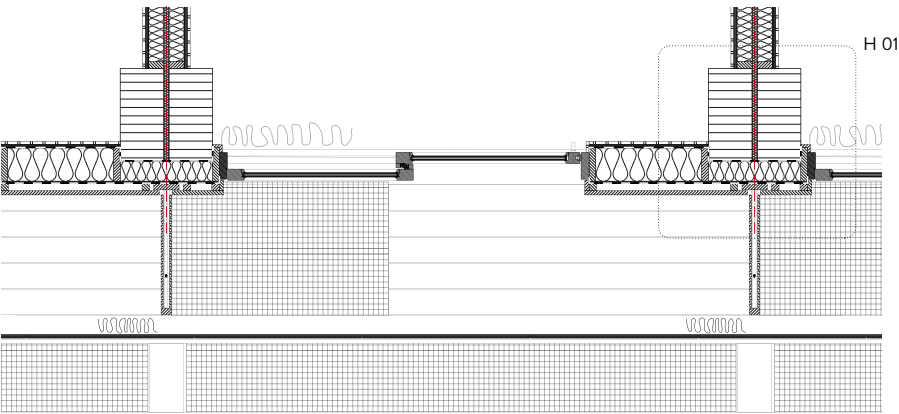
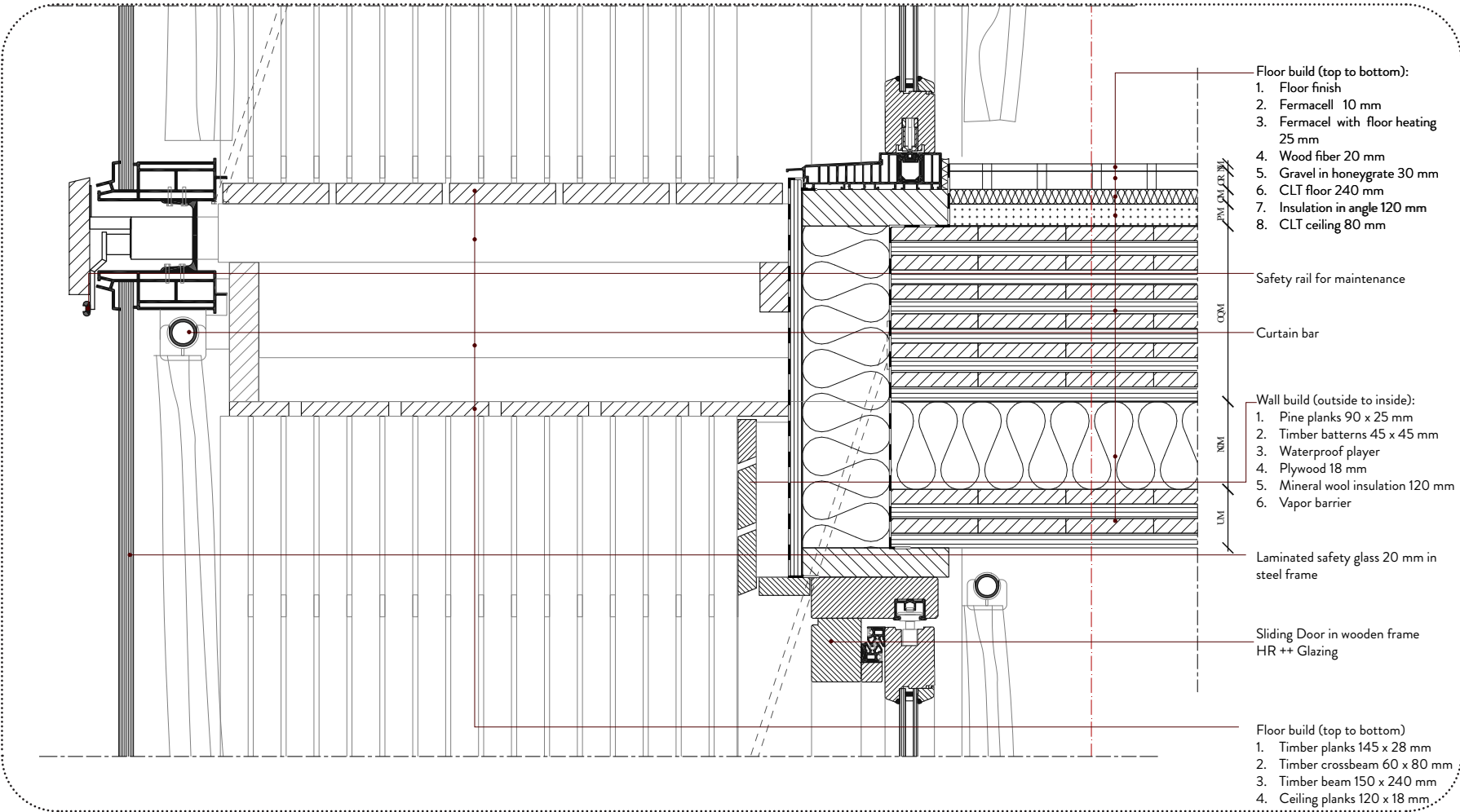
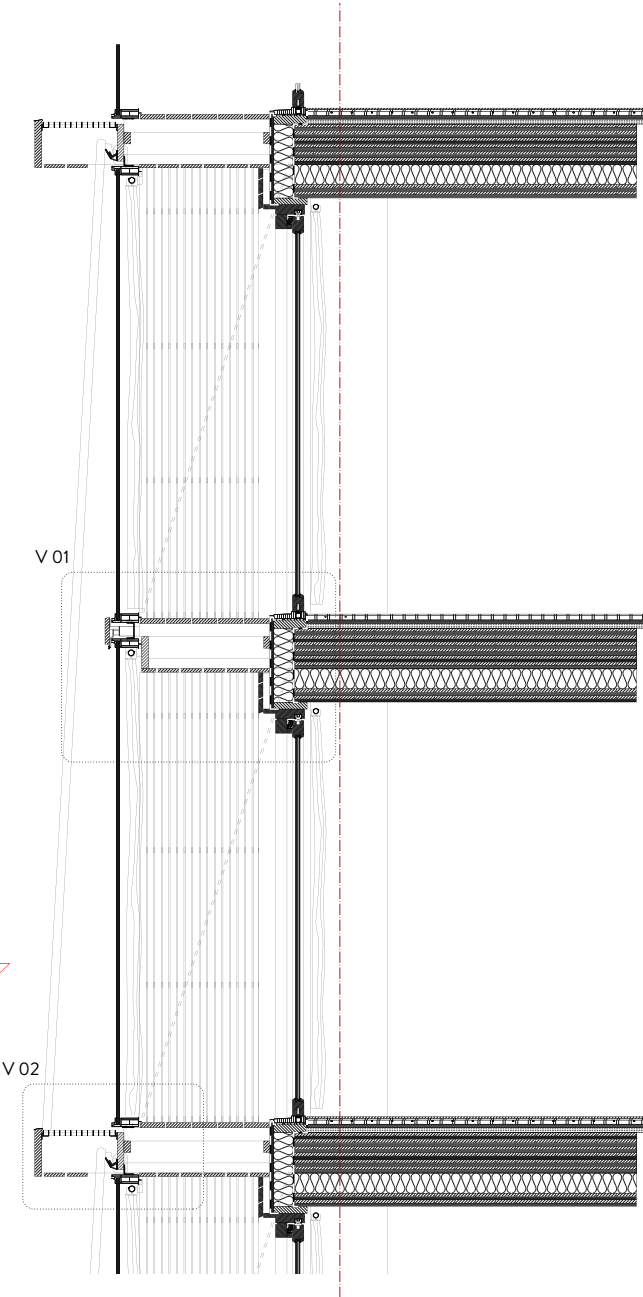


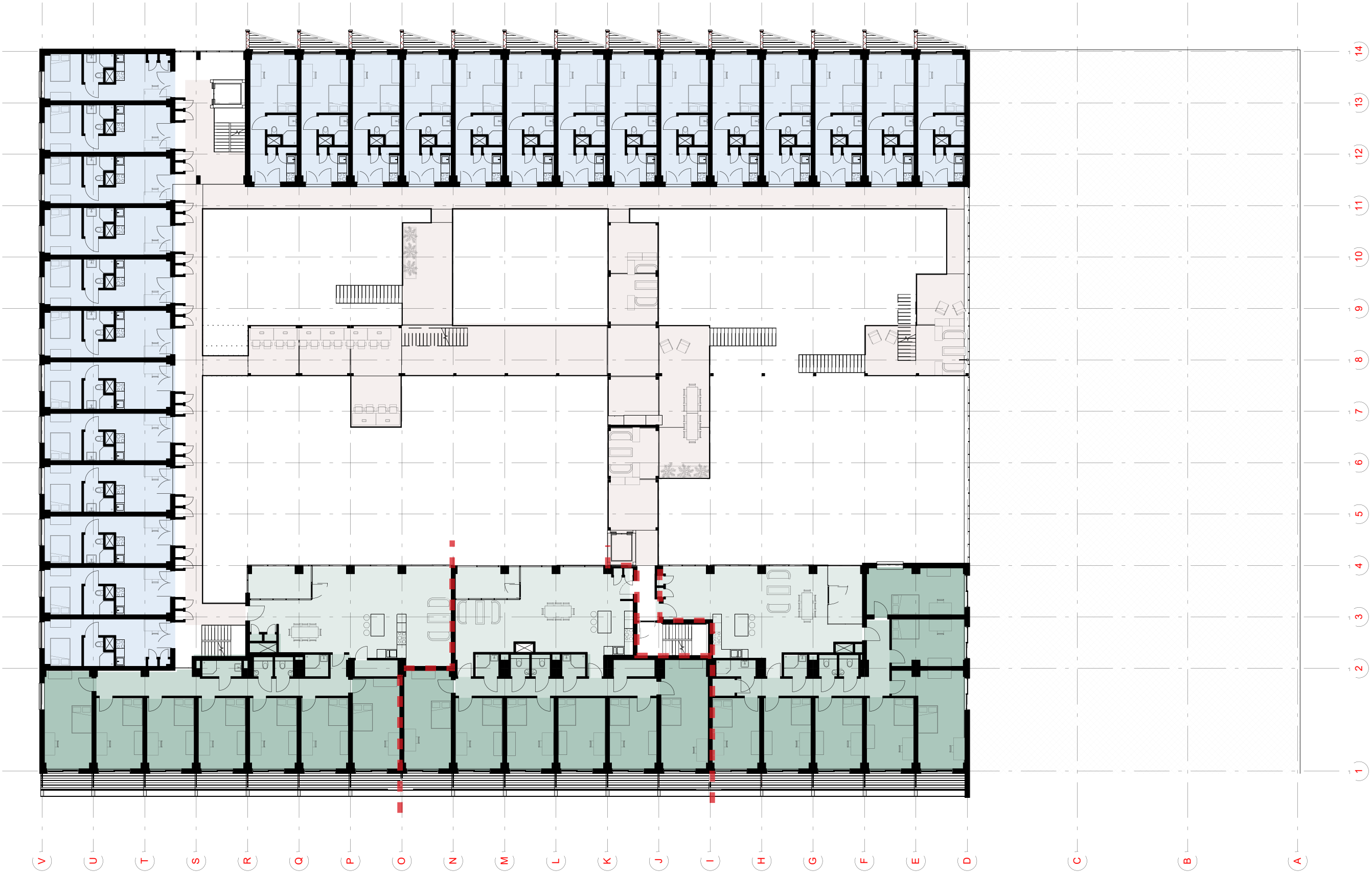
Shared Housing

SHARED DWELLING









Community: Collective

How to increase the quality of individual housing units?

SPACE TO SOCIALIZE



NOT SPACE TO MEET







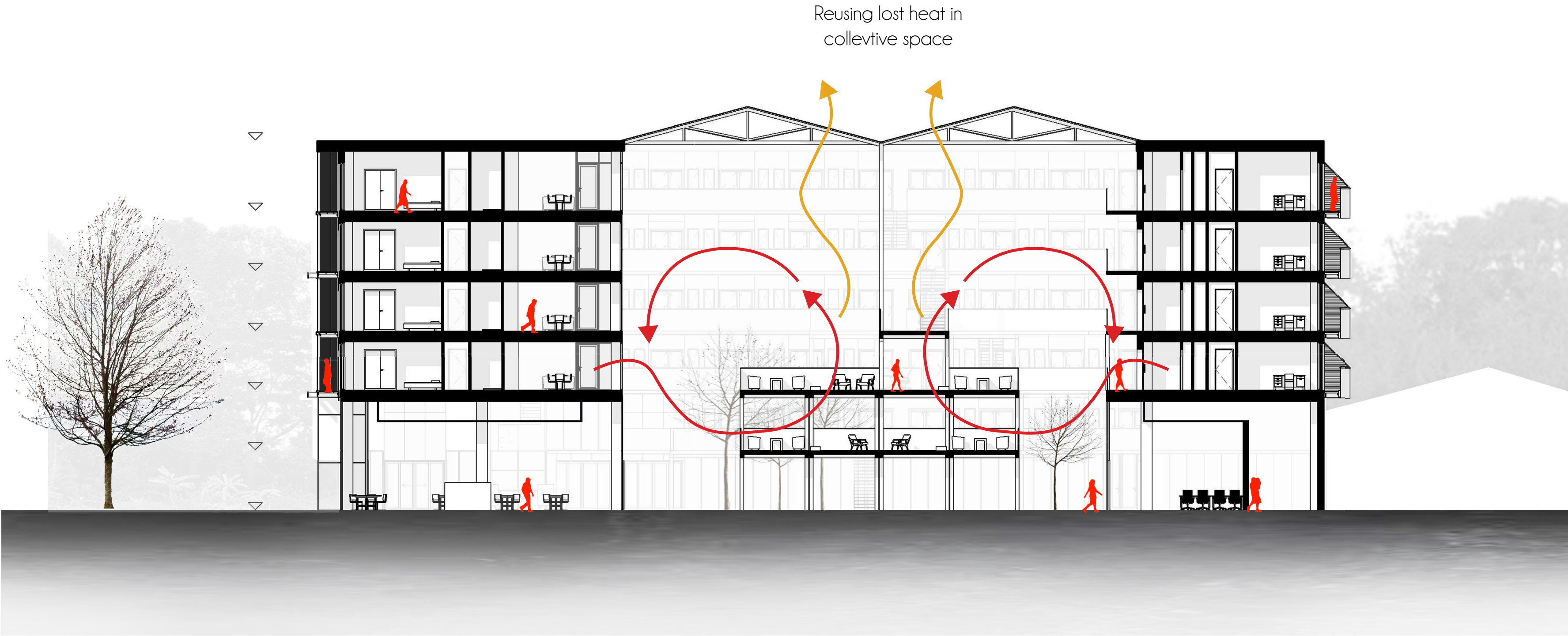




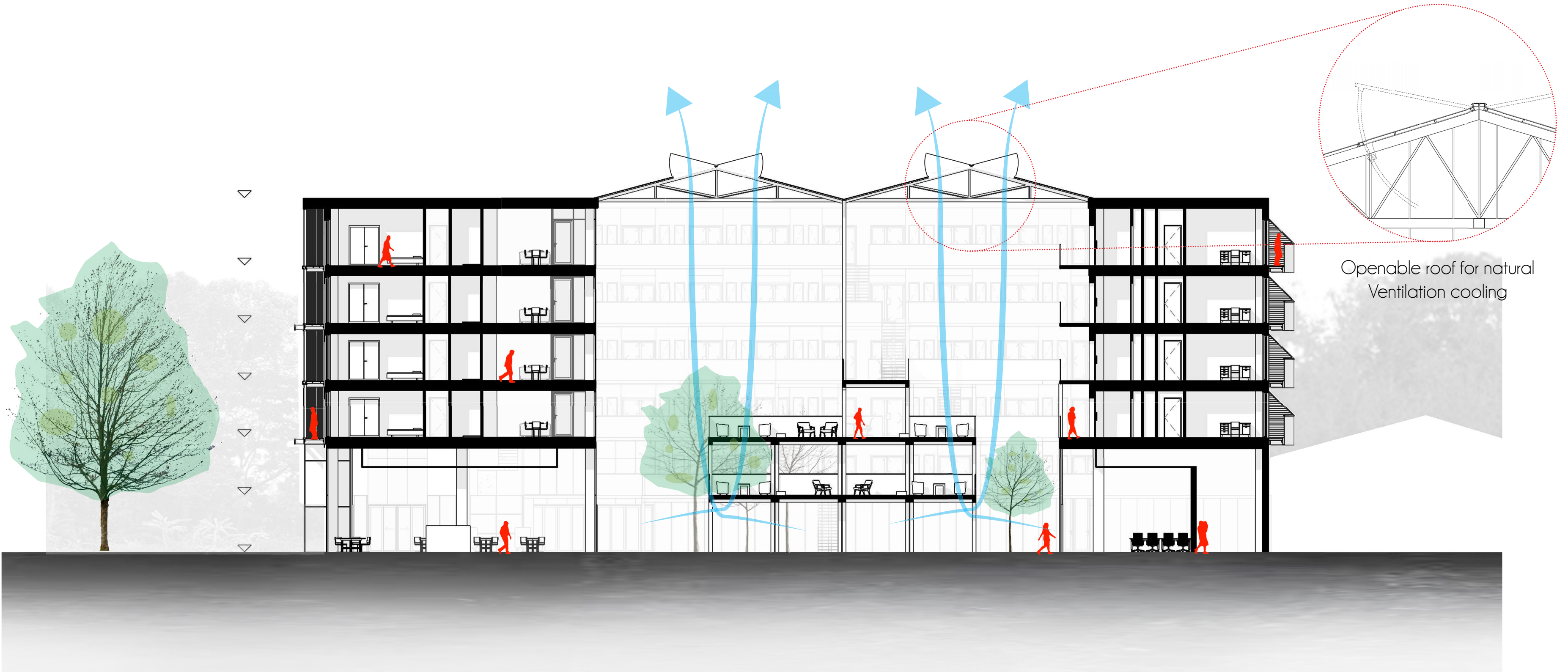




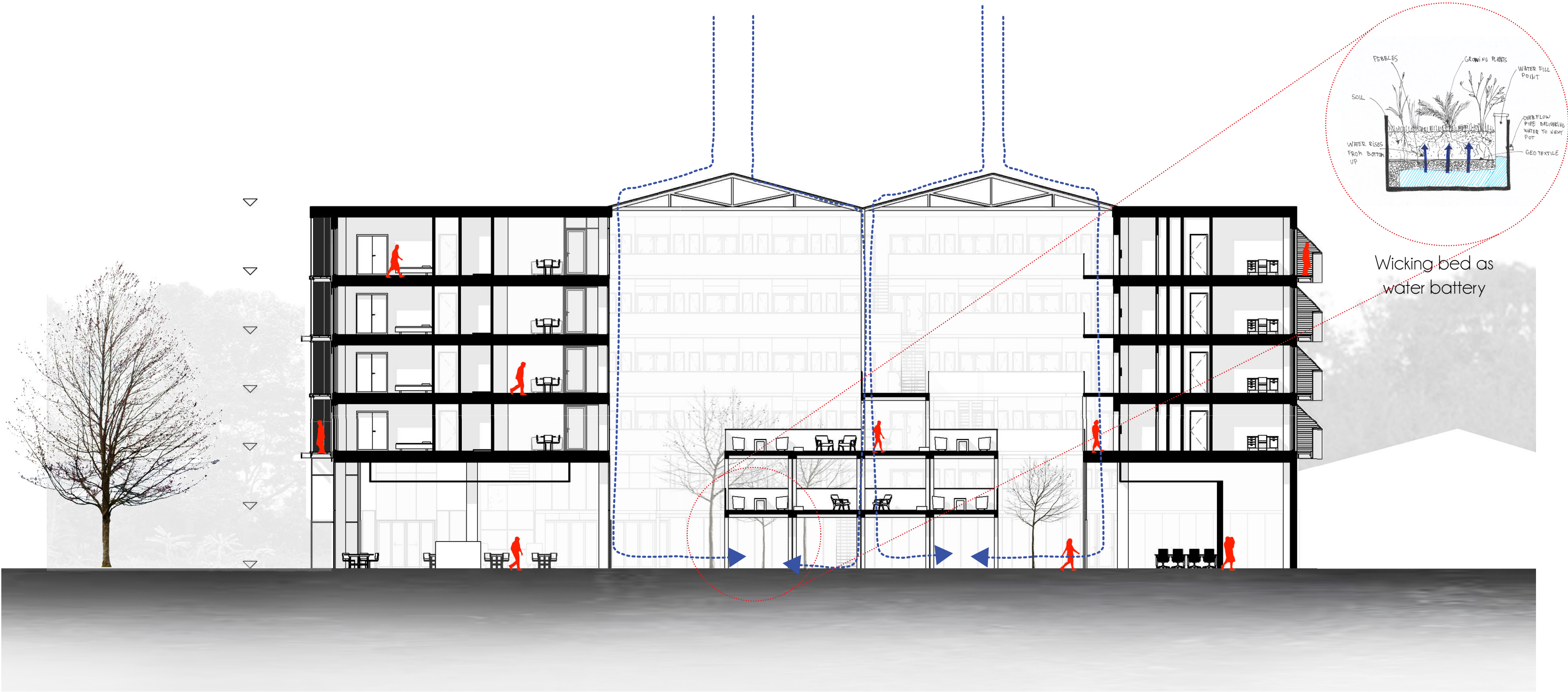
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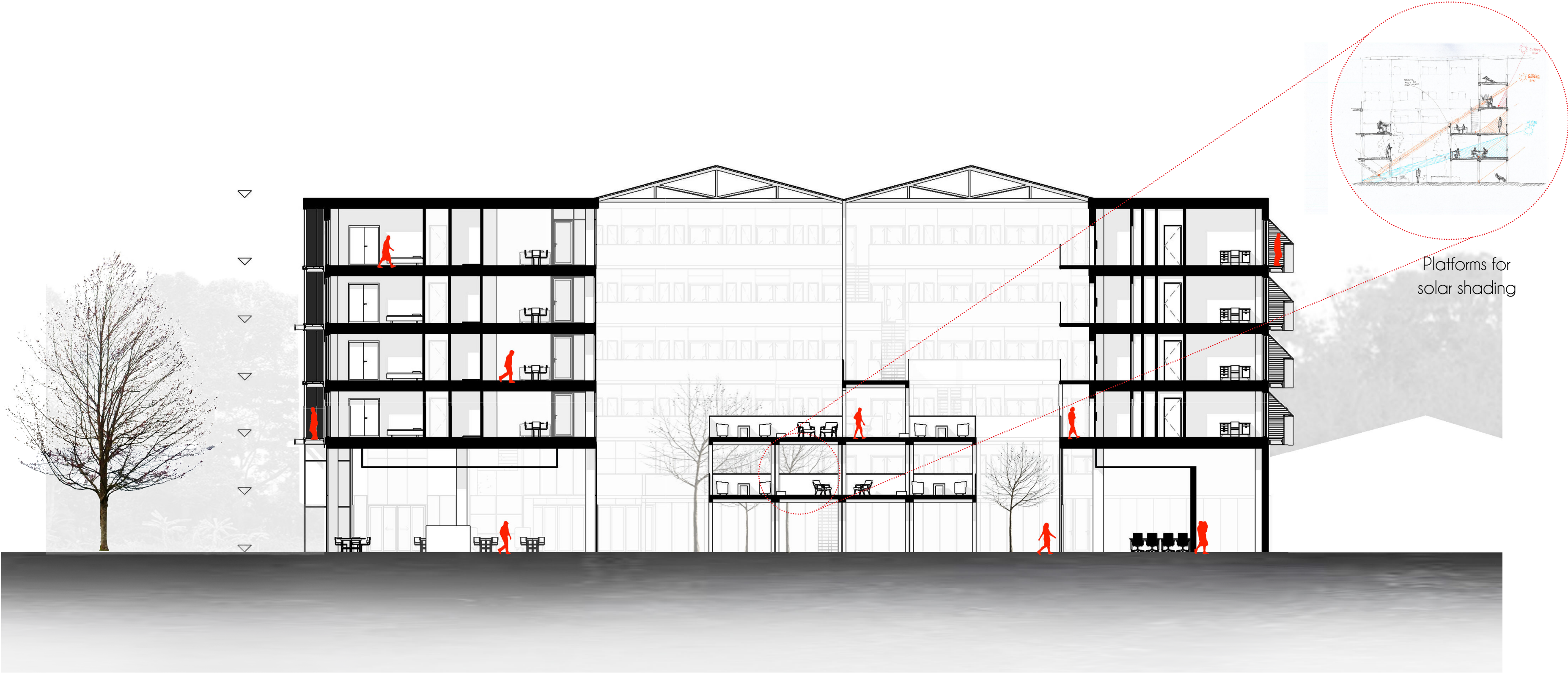


VENTILATION

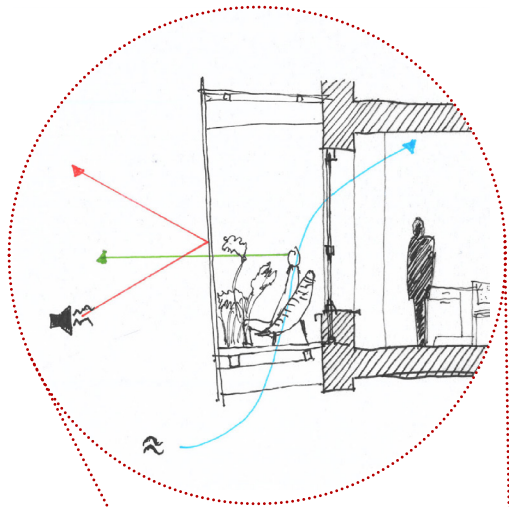


WATER COLLECTION





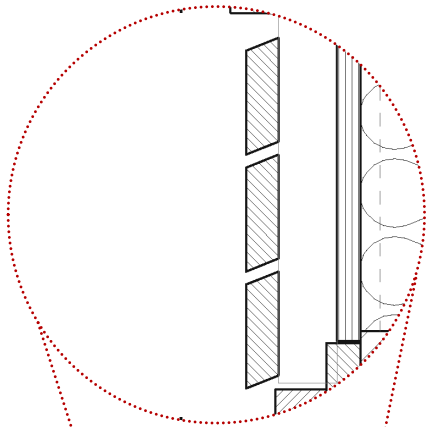
1. West dwellings double facade



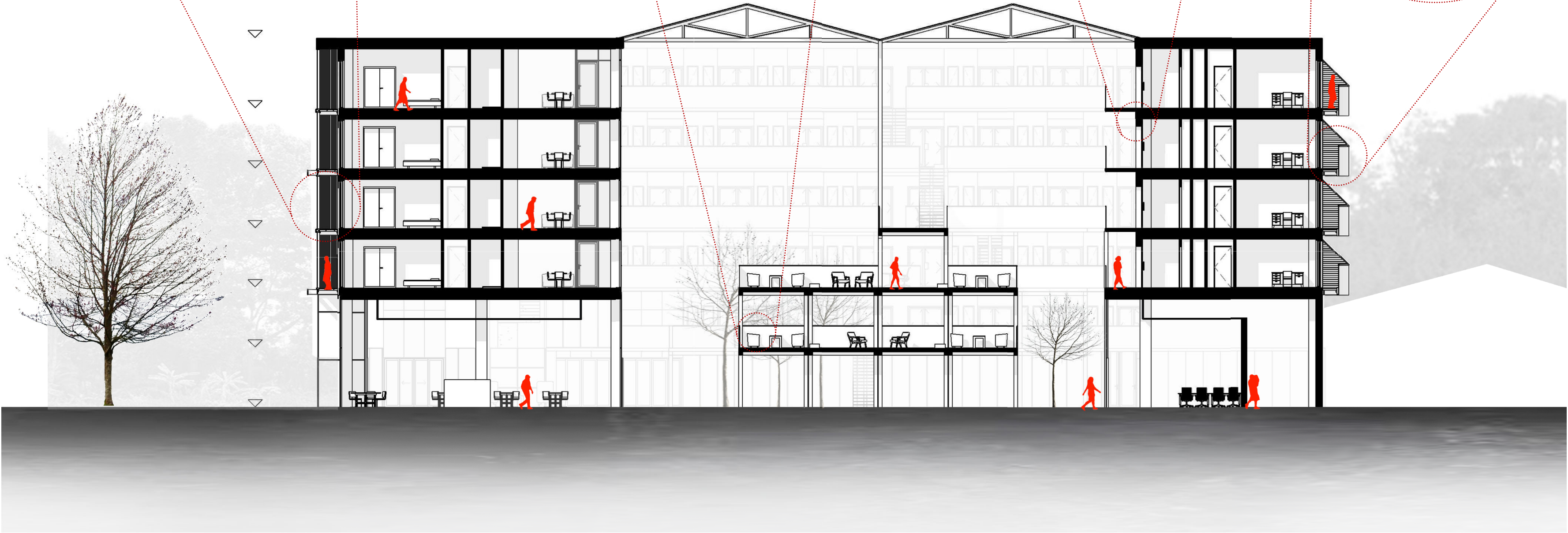
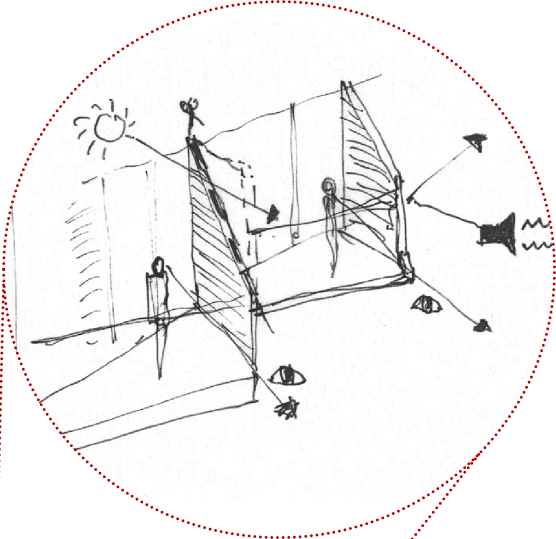
2. Greenery and soft furniture for high frequencies



3. Openings in planks for low frequency absorbtion



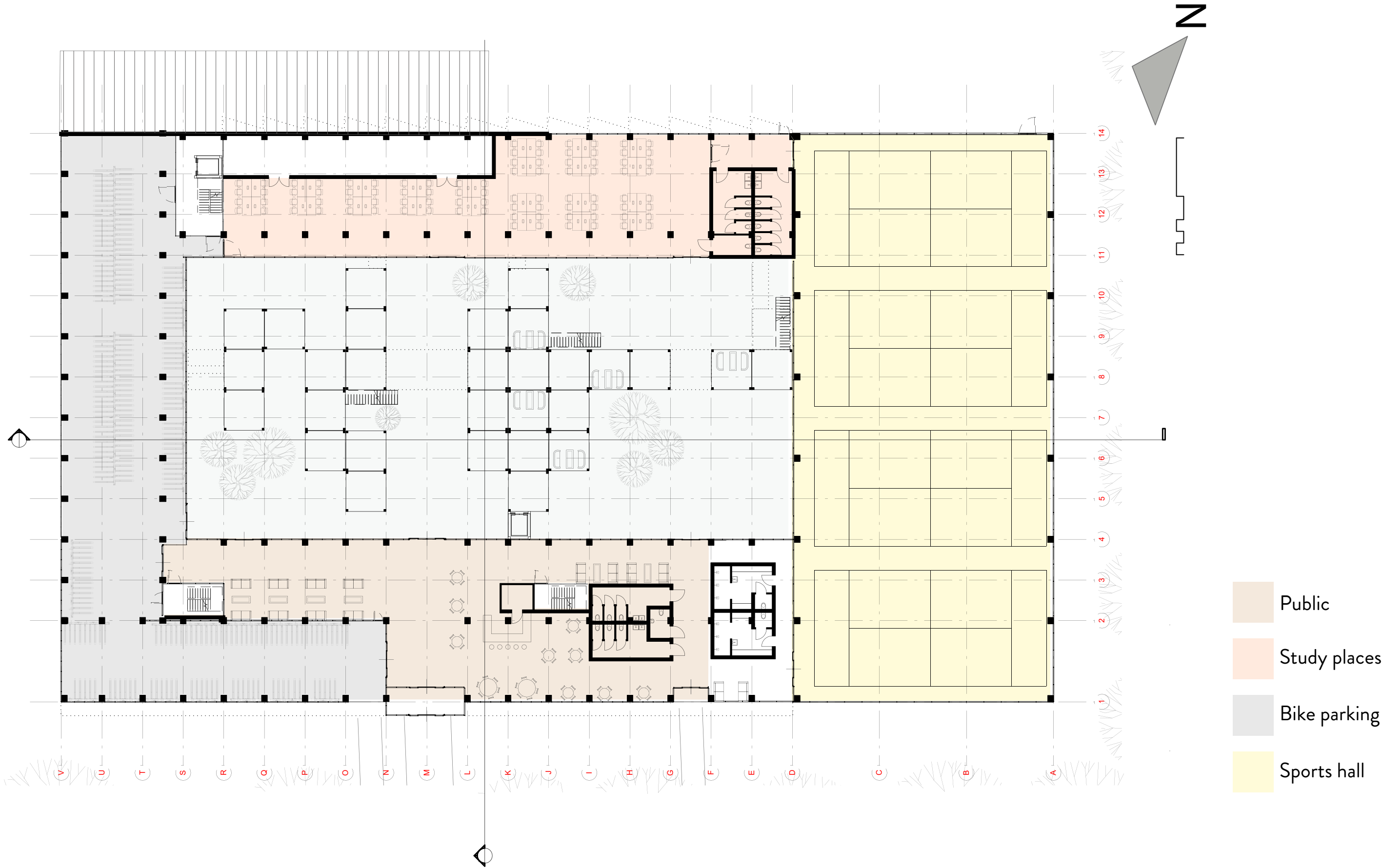
4. East balconies shaped for accoustic protection

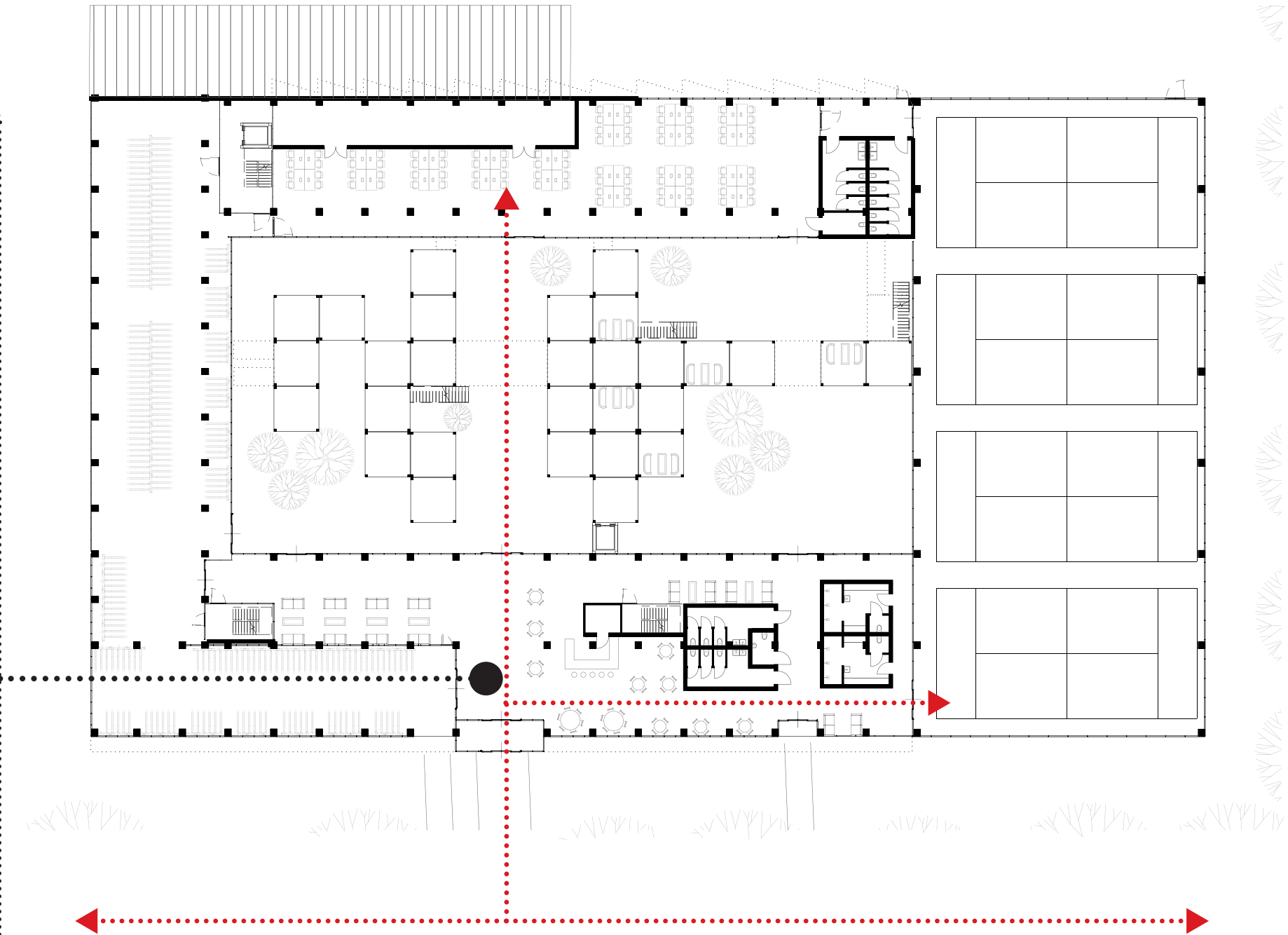


EXPERIENCE

Public- Campus

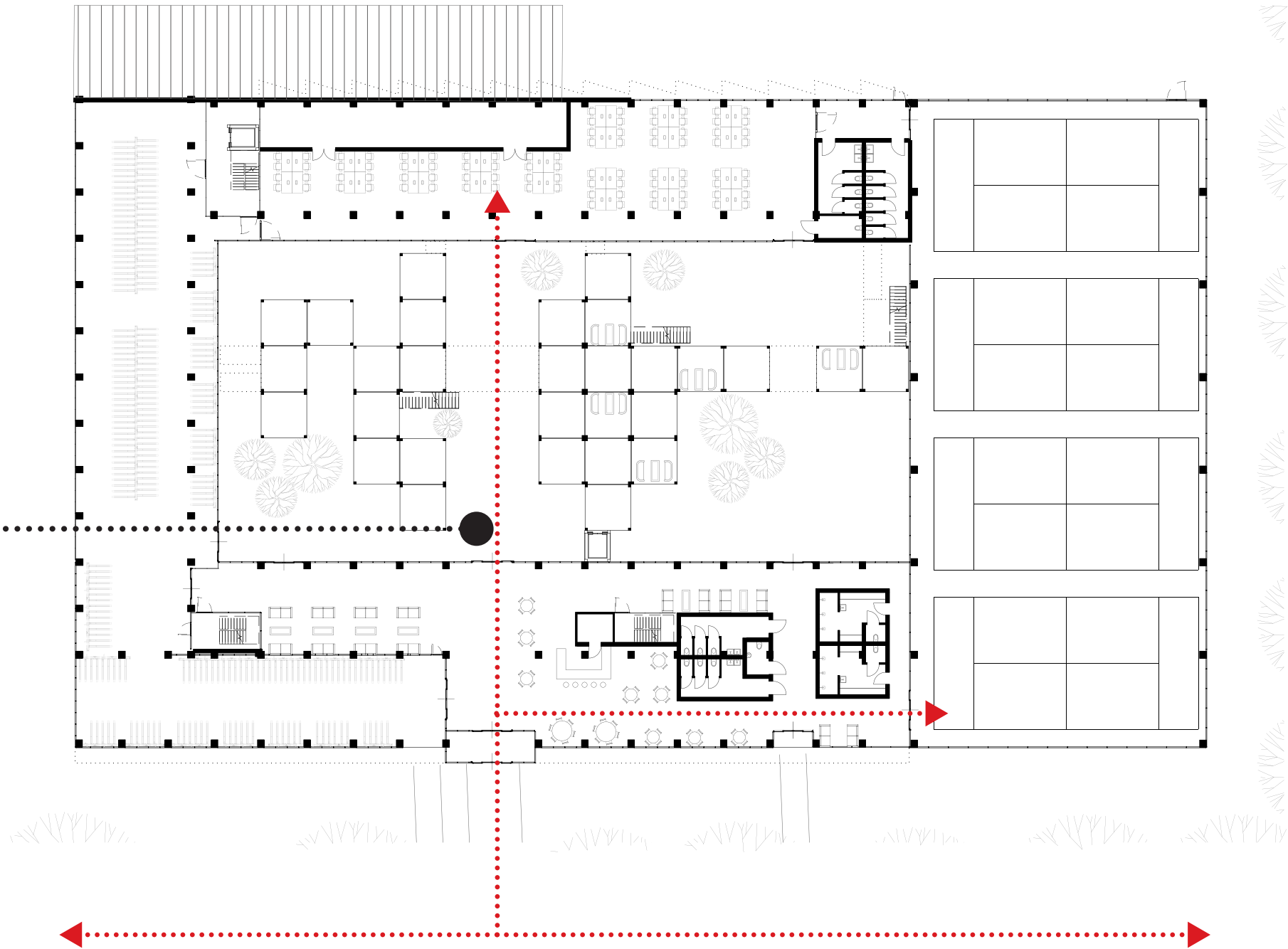
How do the differnt functions support each other, transcending their individual qualities and creating a better whole?





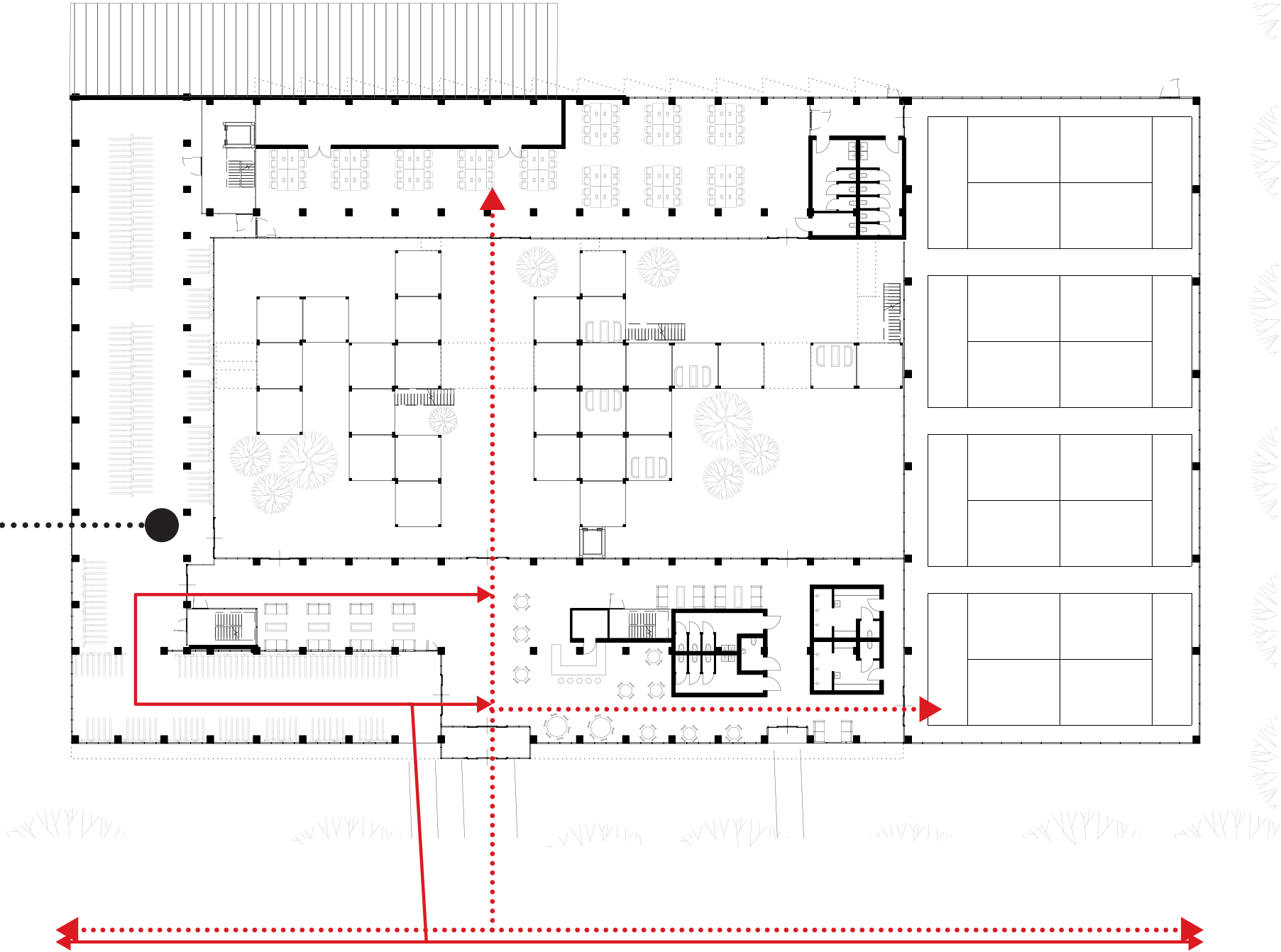
- Resident Cyclist
- Resident Pedestrian
- Visitor Cyclist
- Visitor Pedestrian

CIRCULATION PUBLIC

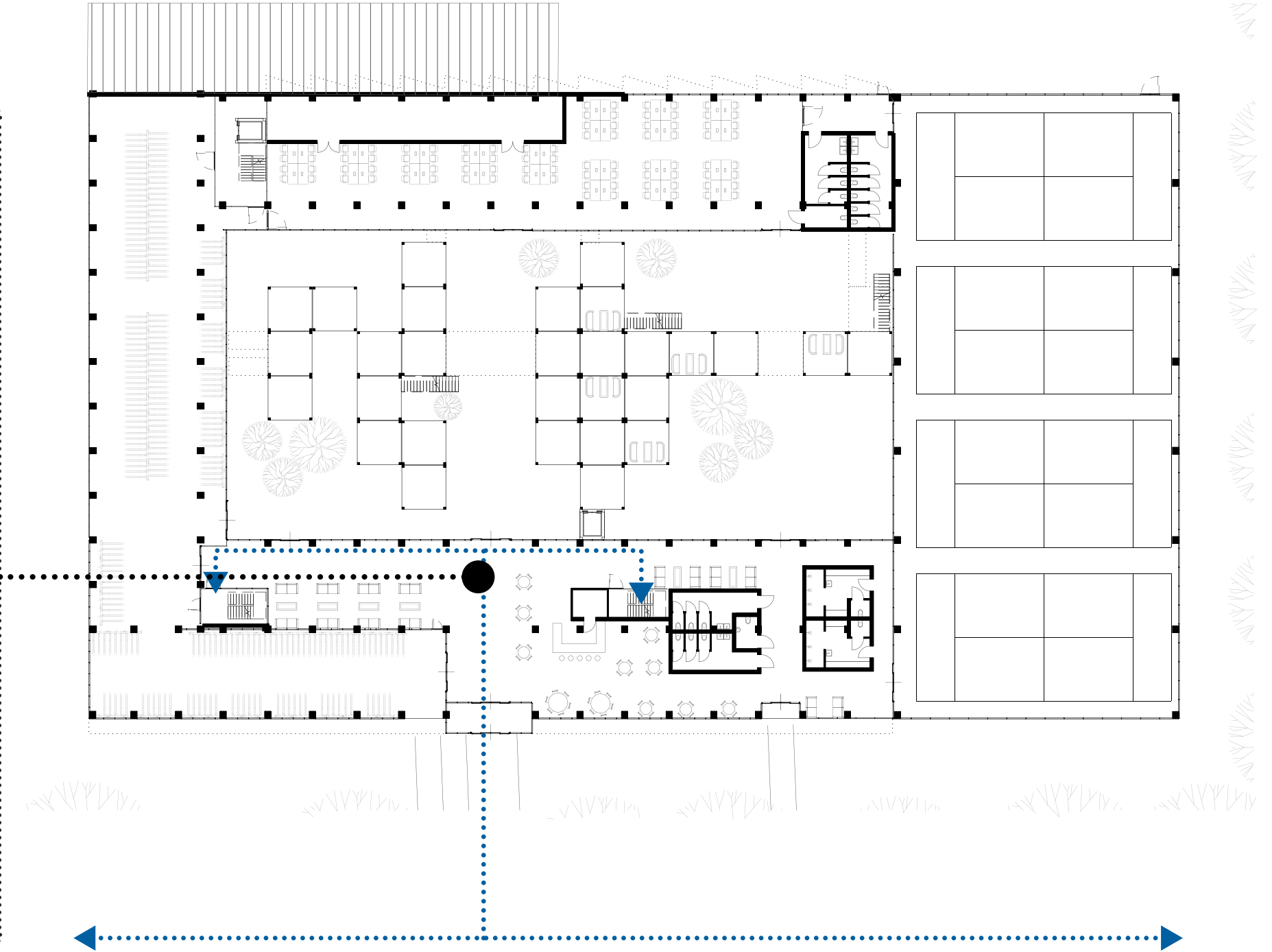


- Resident Cyclist
- Resident Pedestrian
- Visitor Cyclist
- Visitor Pedestrian

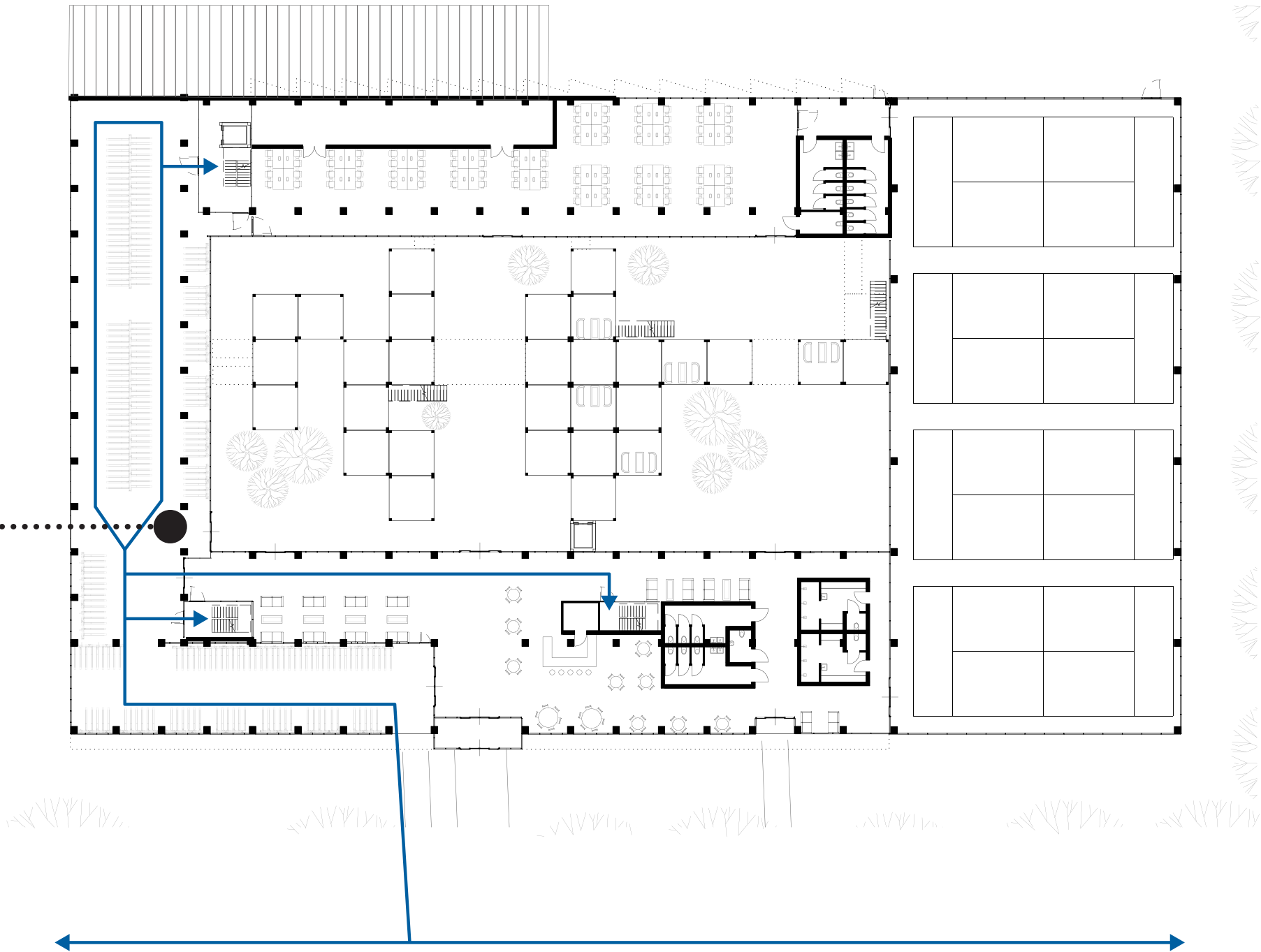
CIRCULATION PUBLIC



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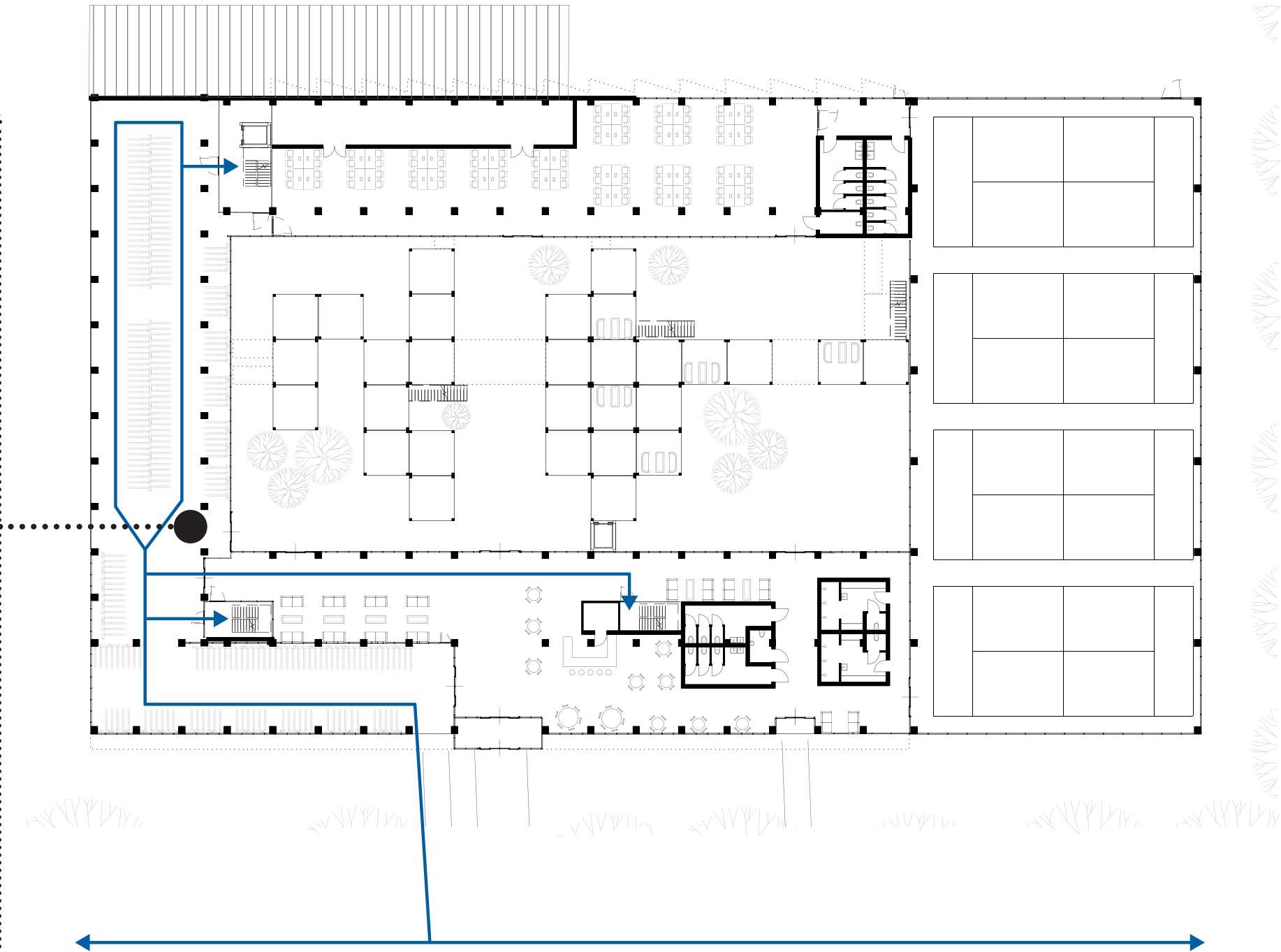


- Resident Cyclist
- Resident Pedestrian
- Visitor Cyclist
- Visitor Pedestrian

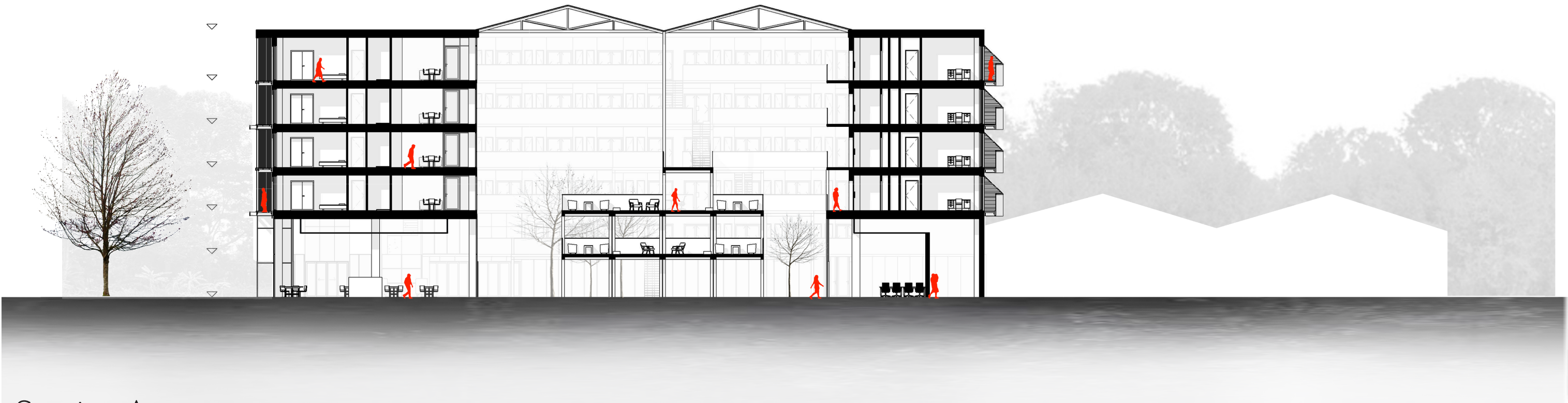


- Resident Cyclist
- Resident Pedestrian
- Visitor Cyclist
- Visitor Pedestrian

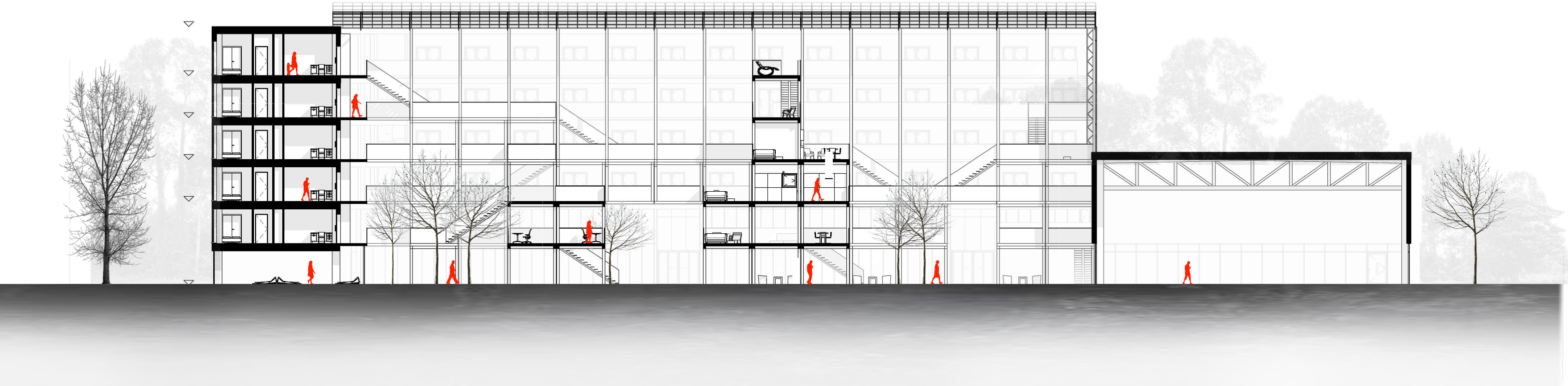
CIRCULATION DWELLING



- Resident Cyclist
- Resident Pedestrian
- Visitor Cyclist
- Visitor Pedestrian



Section A



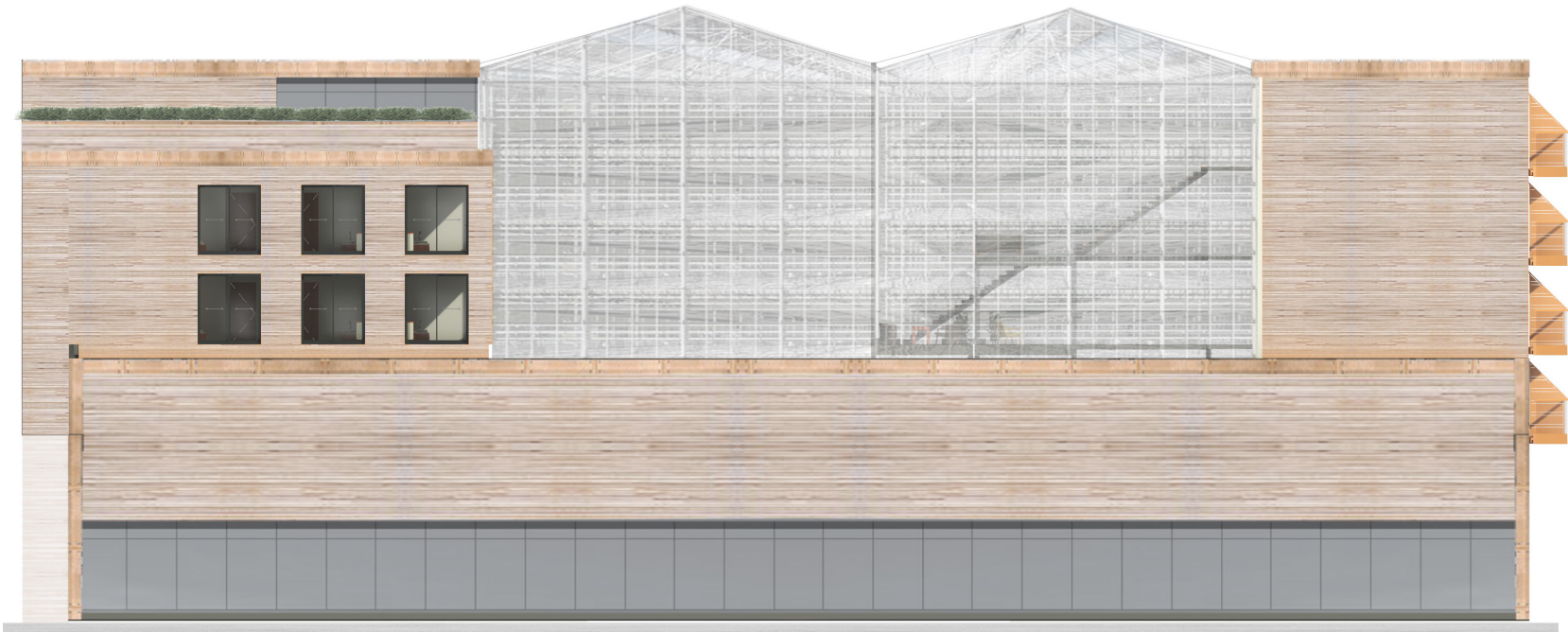
Section B



West



East



South



North











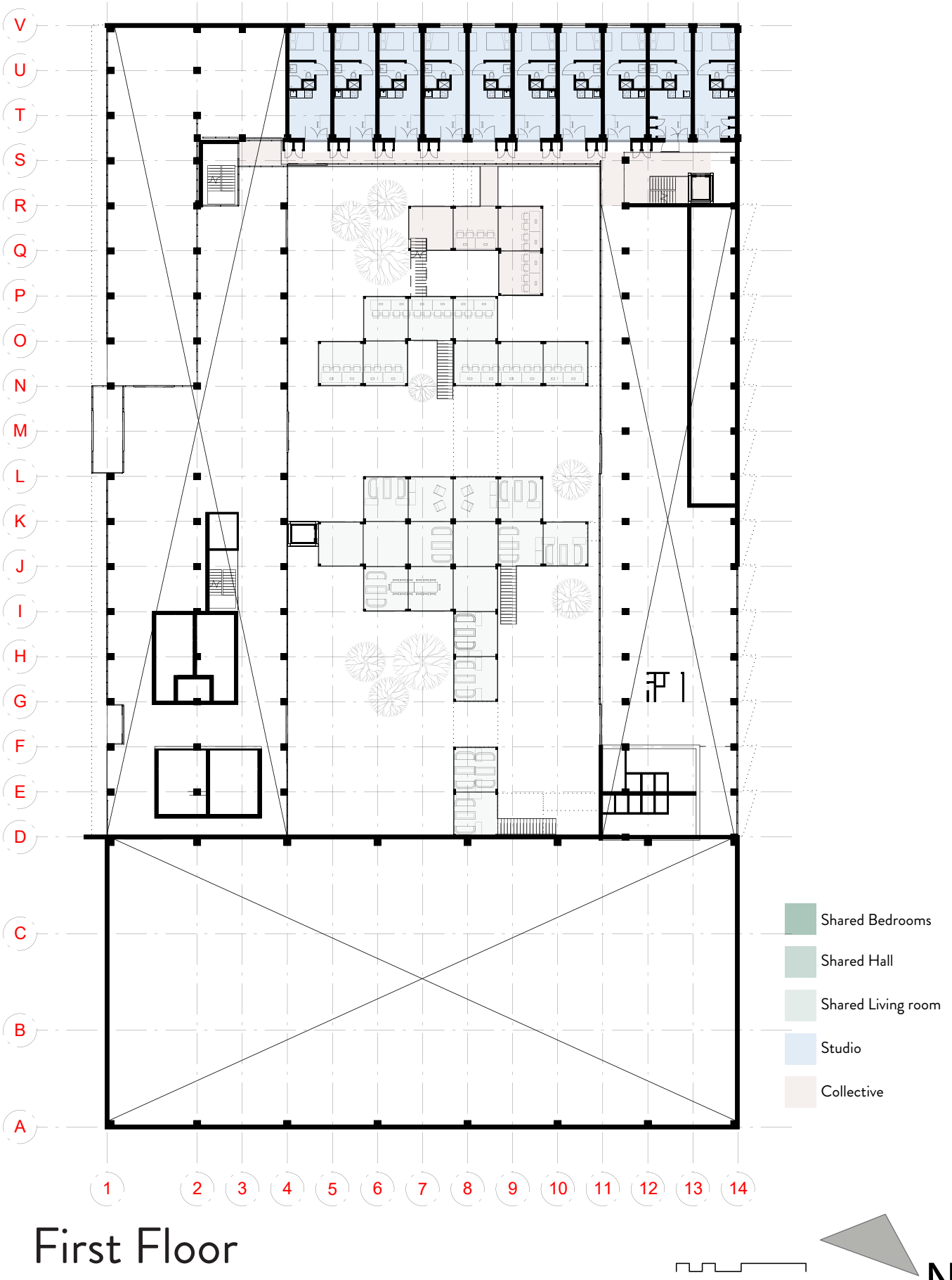
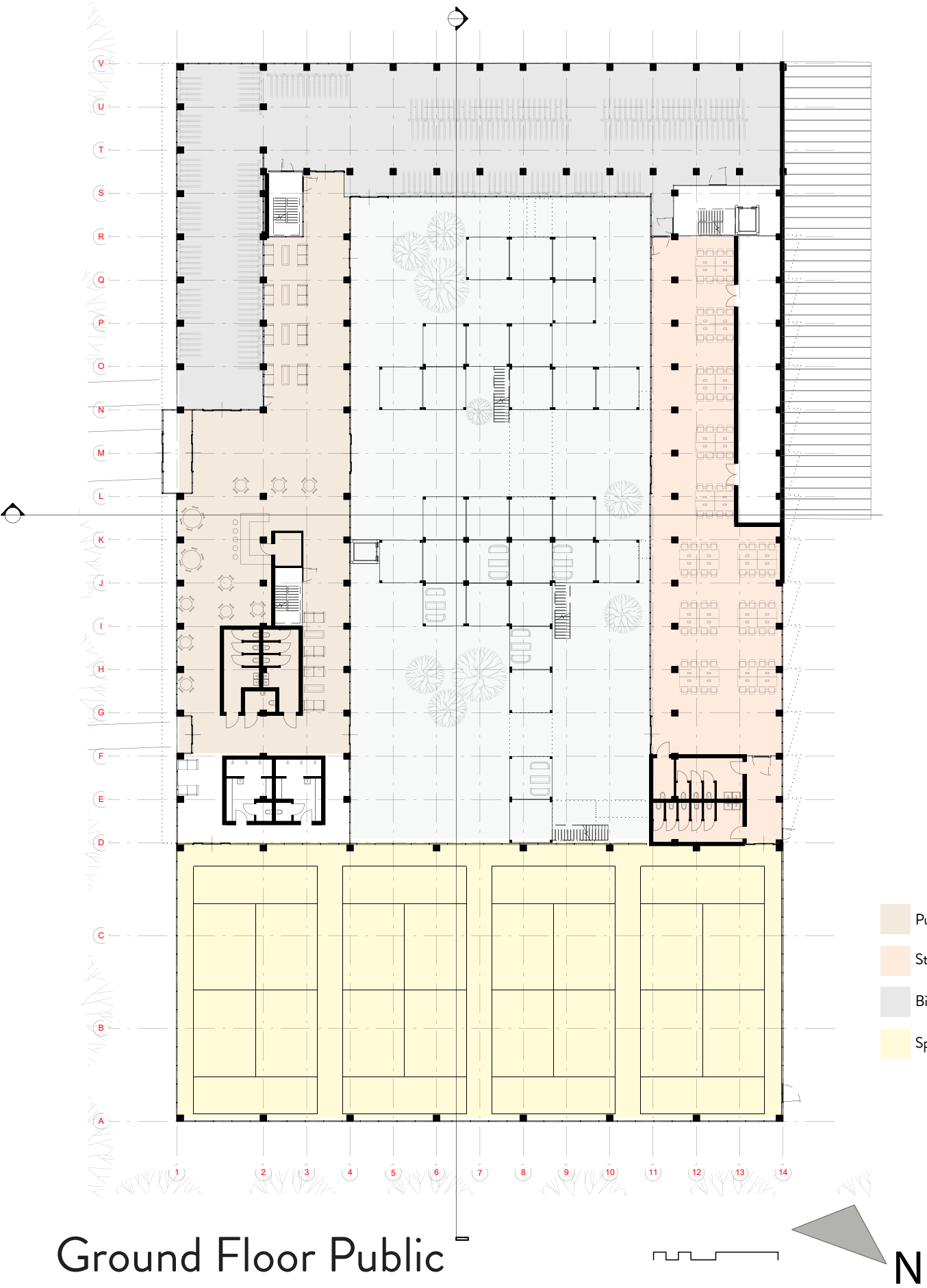
Campus Village Delft

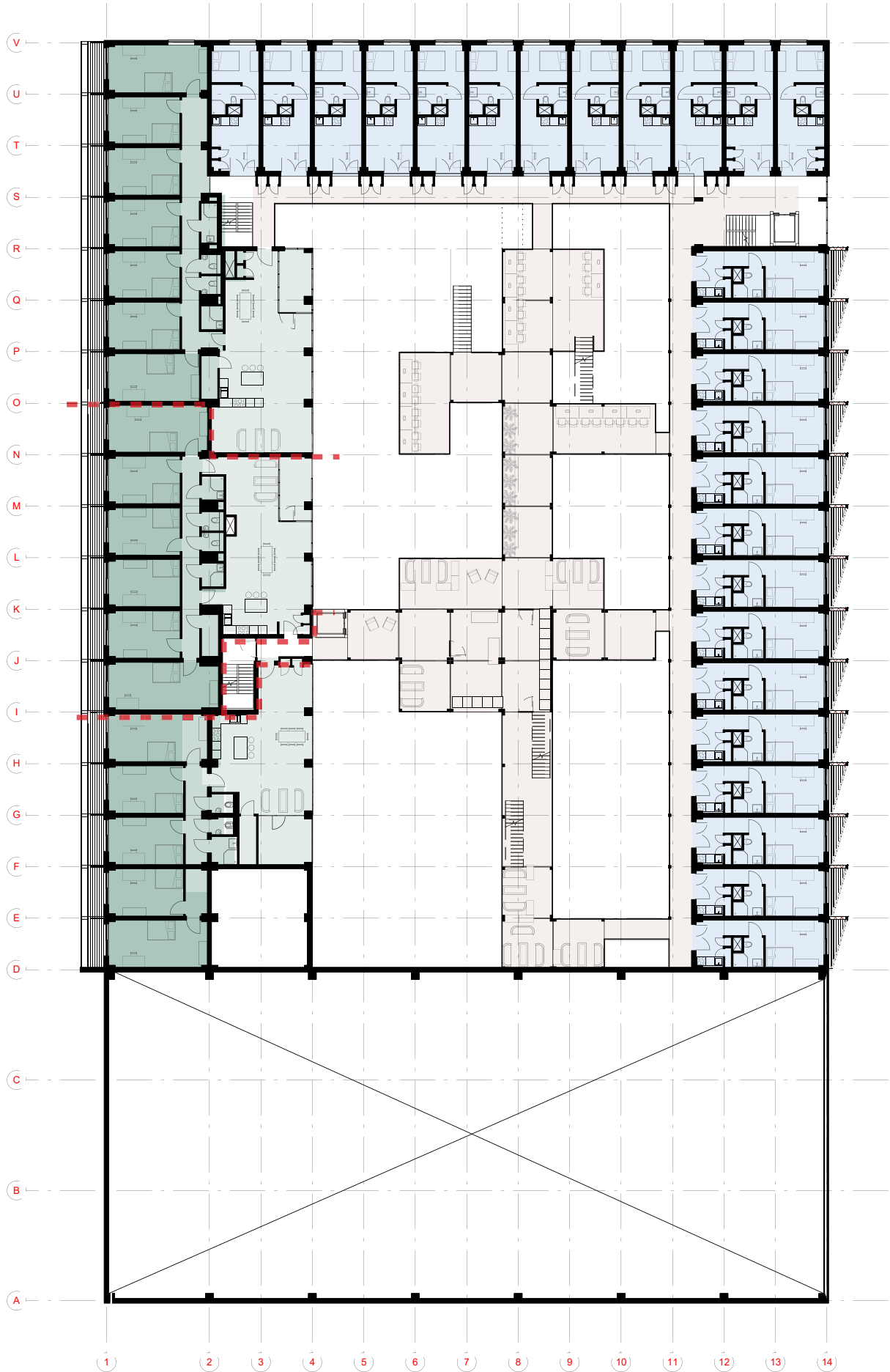
Reimagining Student Housing

Reinis Melgalvis / aE graduation studio 2022/2023

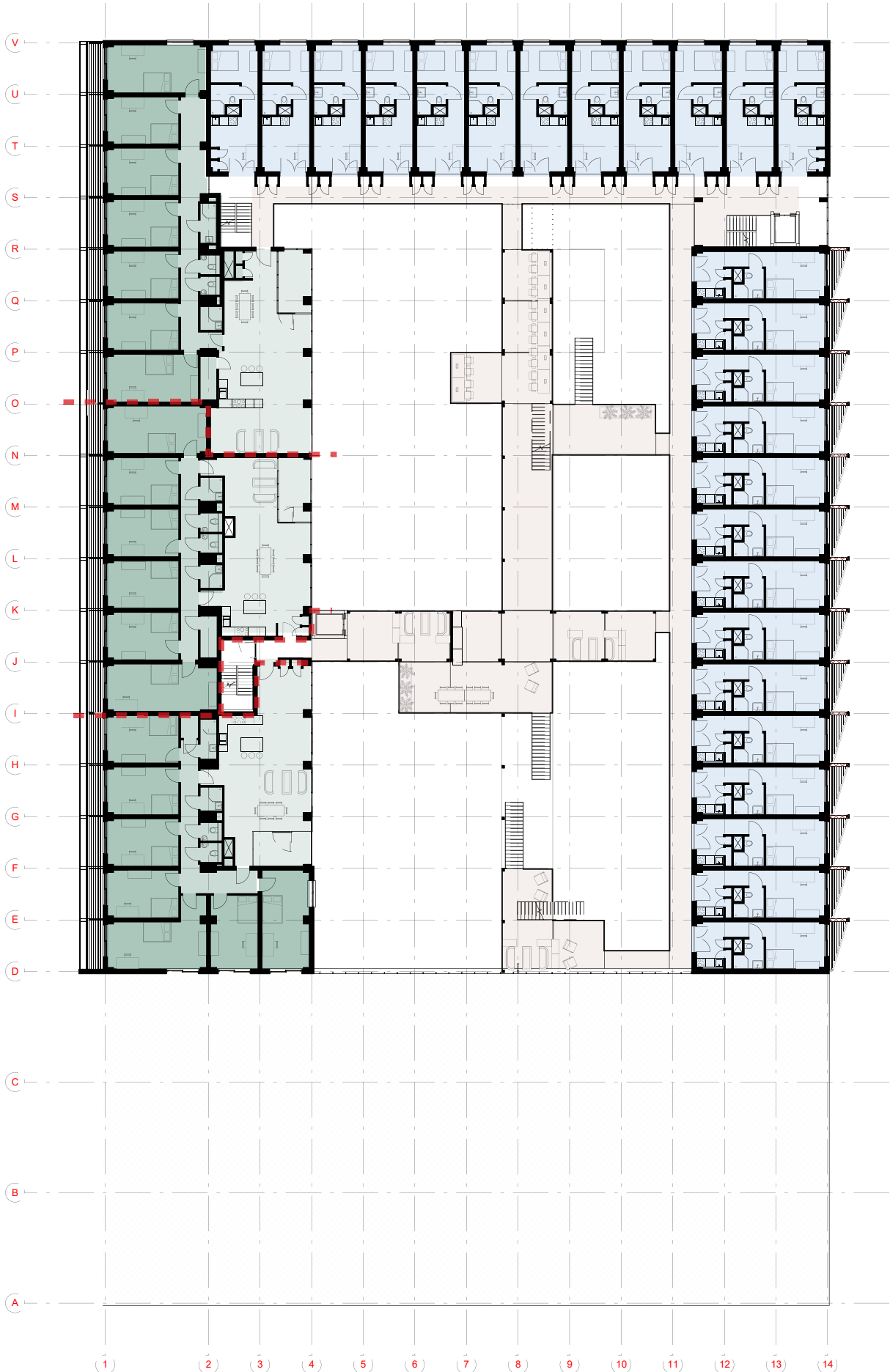
Architecture Mentor Mauro Parravicini / BT Mentor Paddy Tomesen / Research Mentor Michela Turrin

APPENDICES

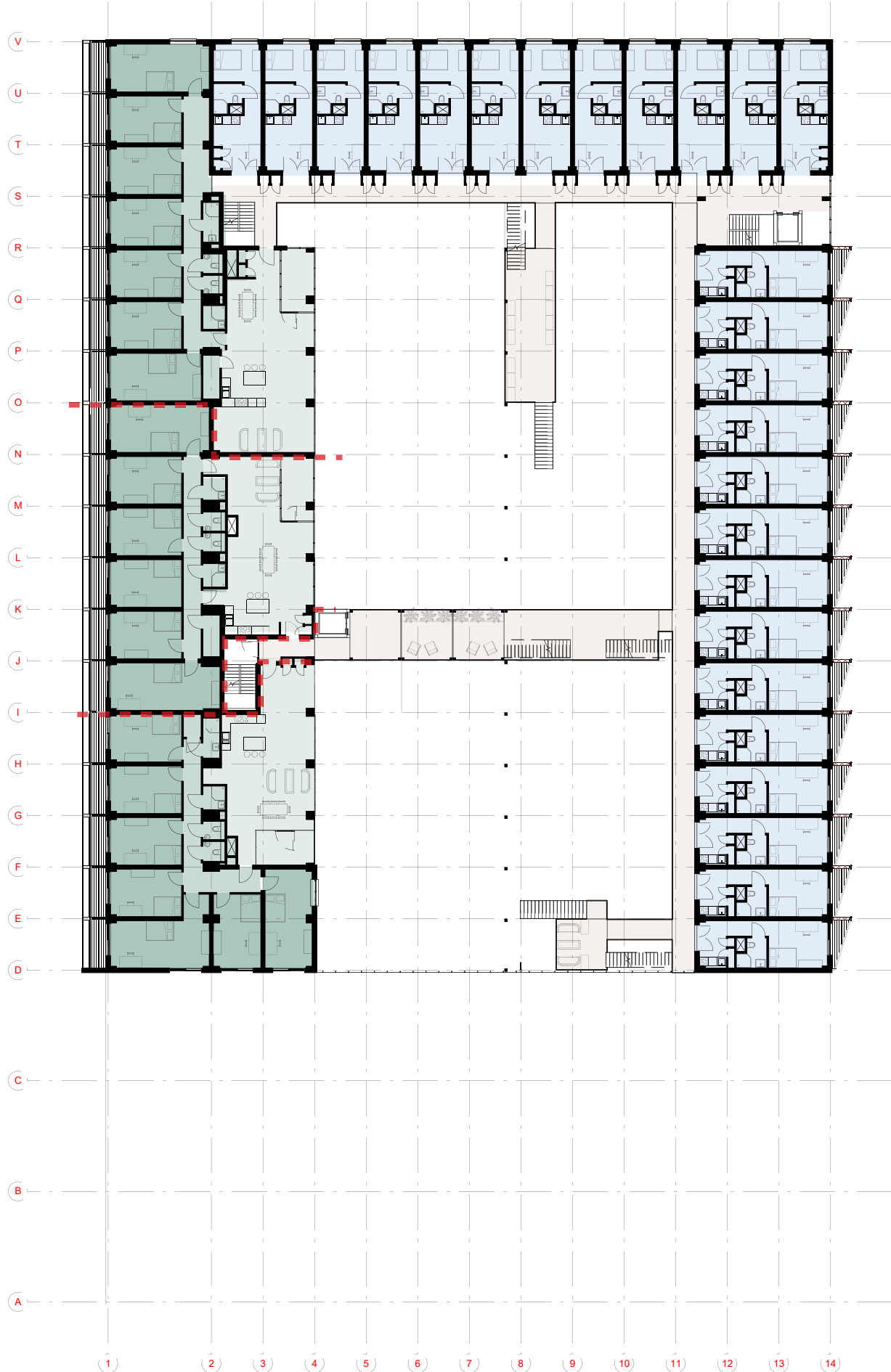




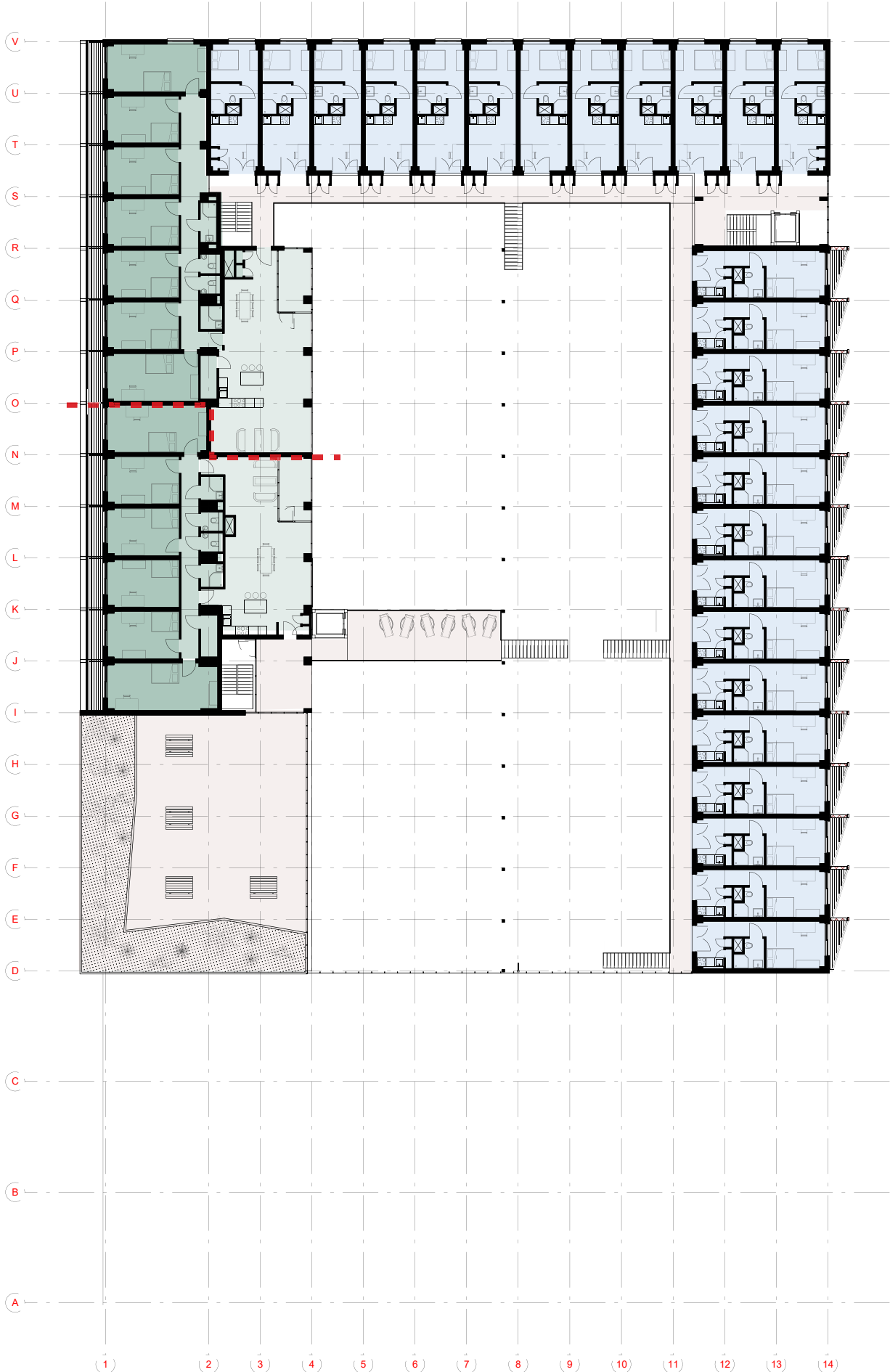
Second Floor



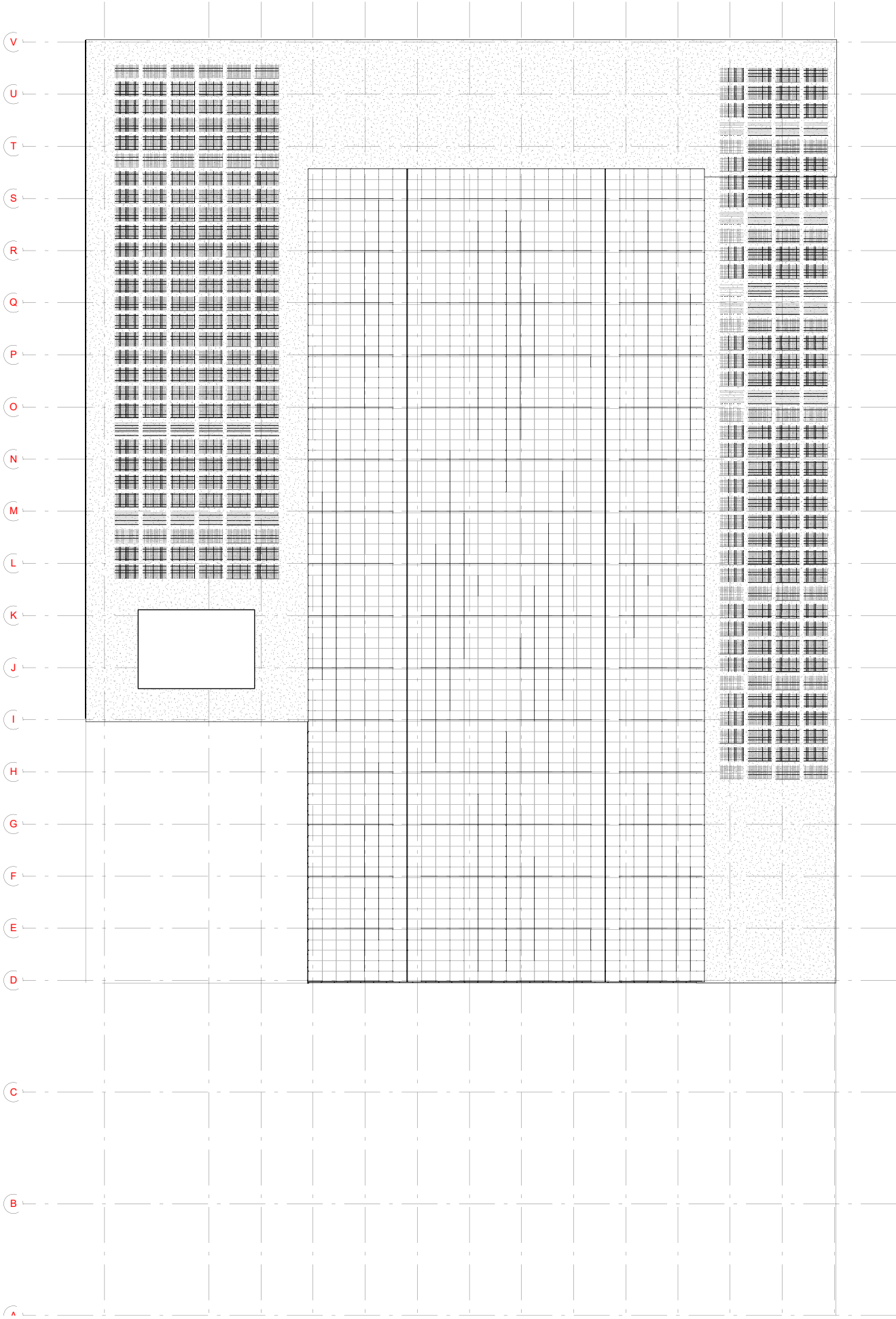
Third Floor

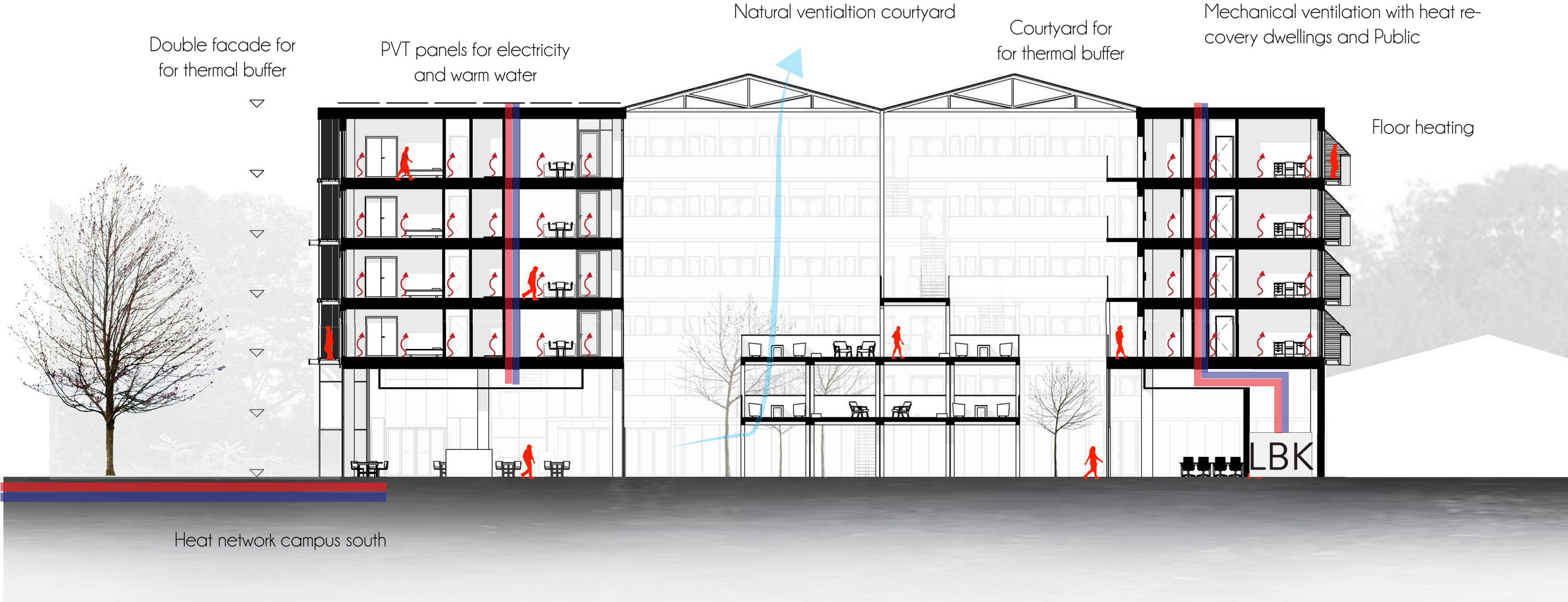


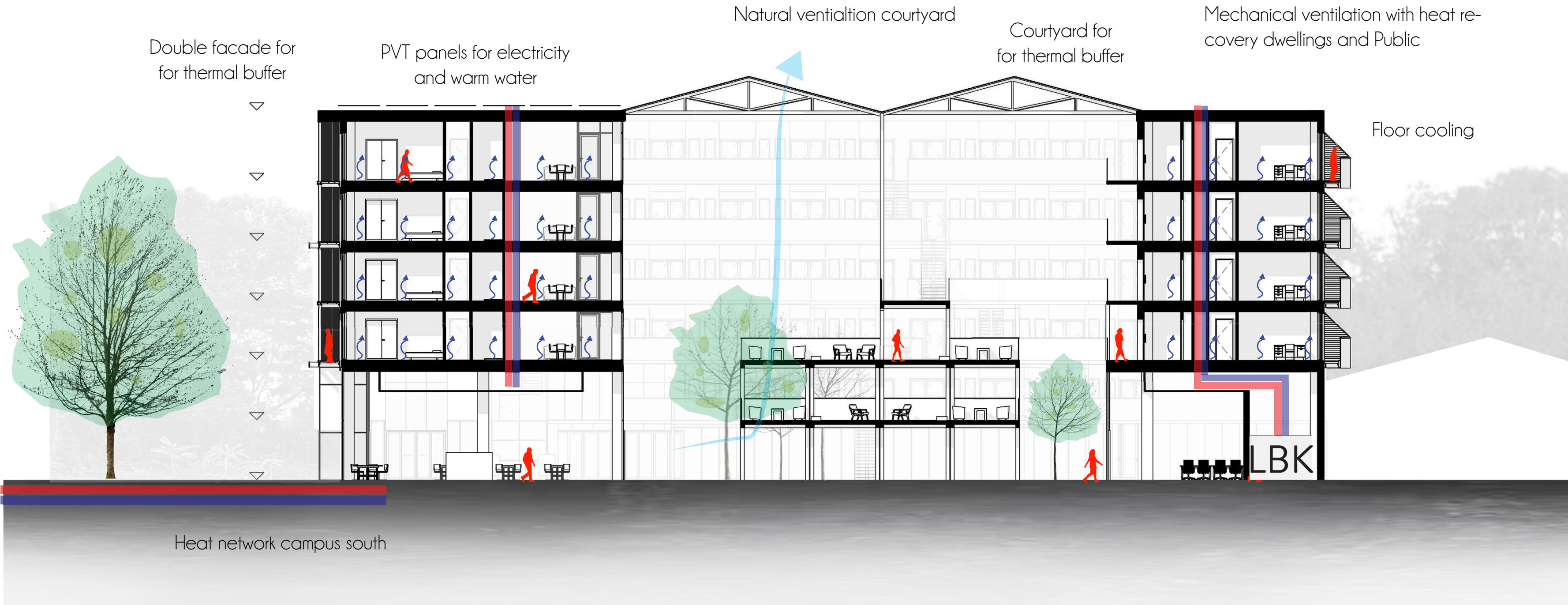
Fourth Floor



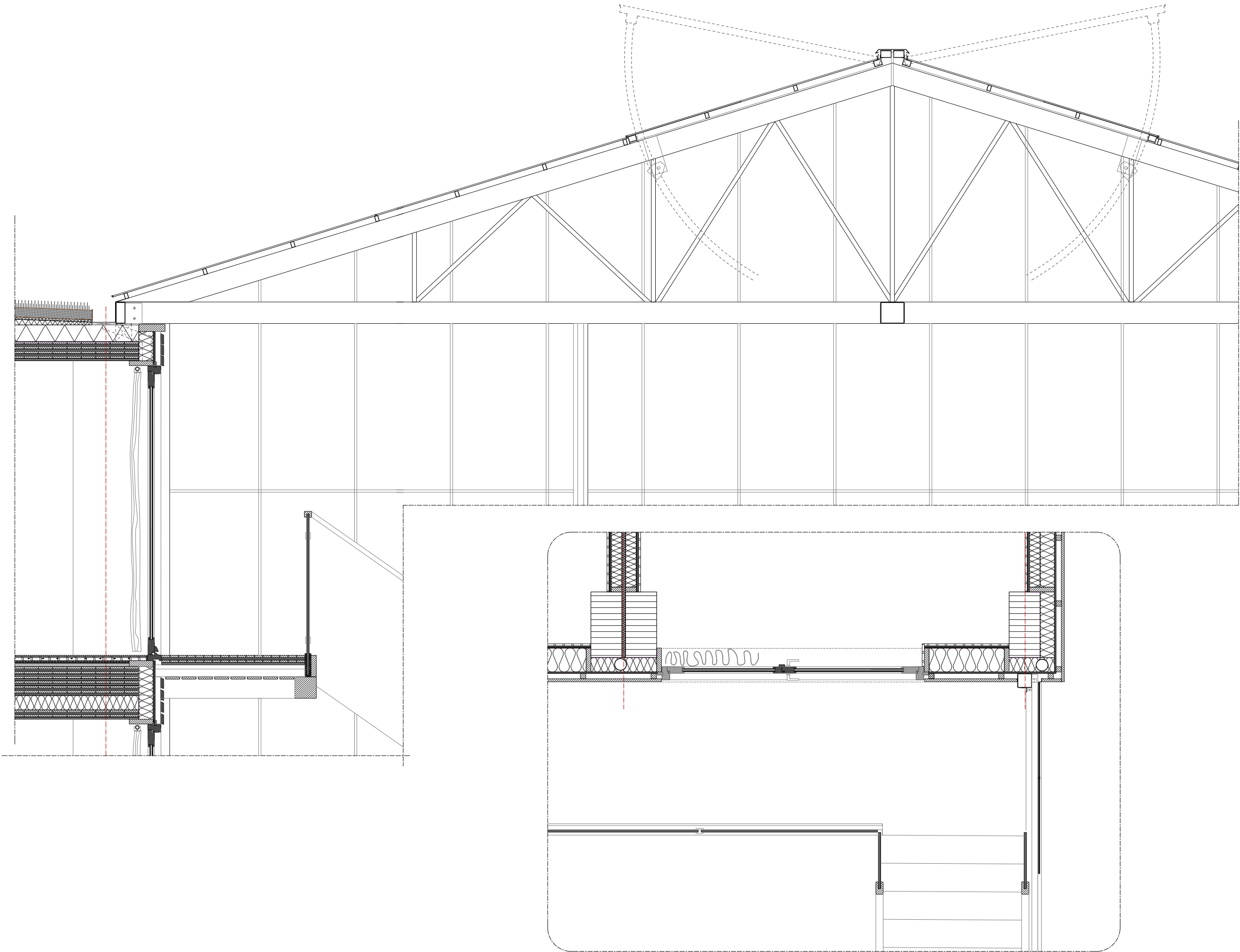
Fifth Floor

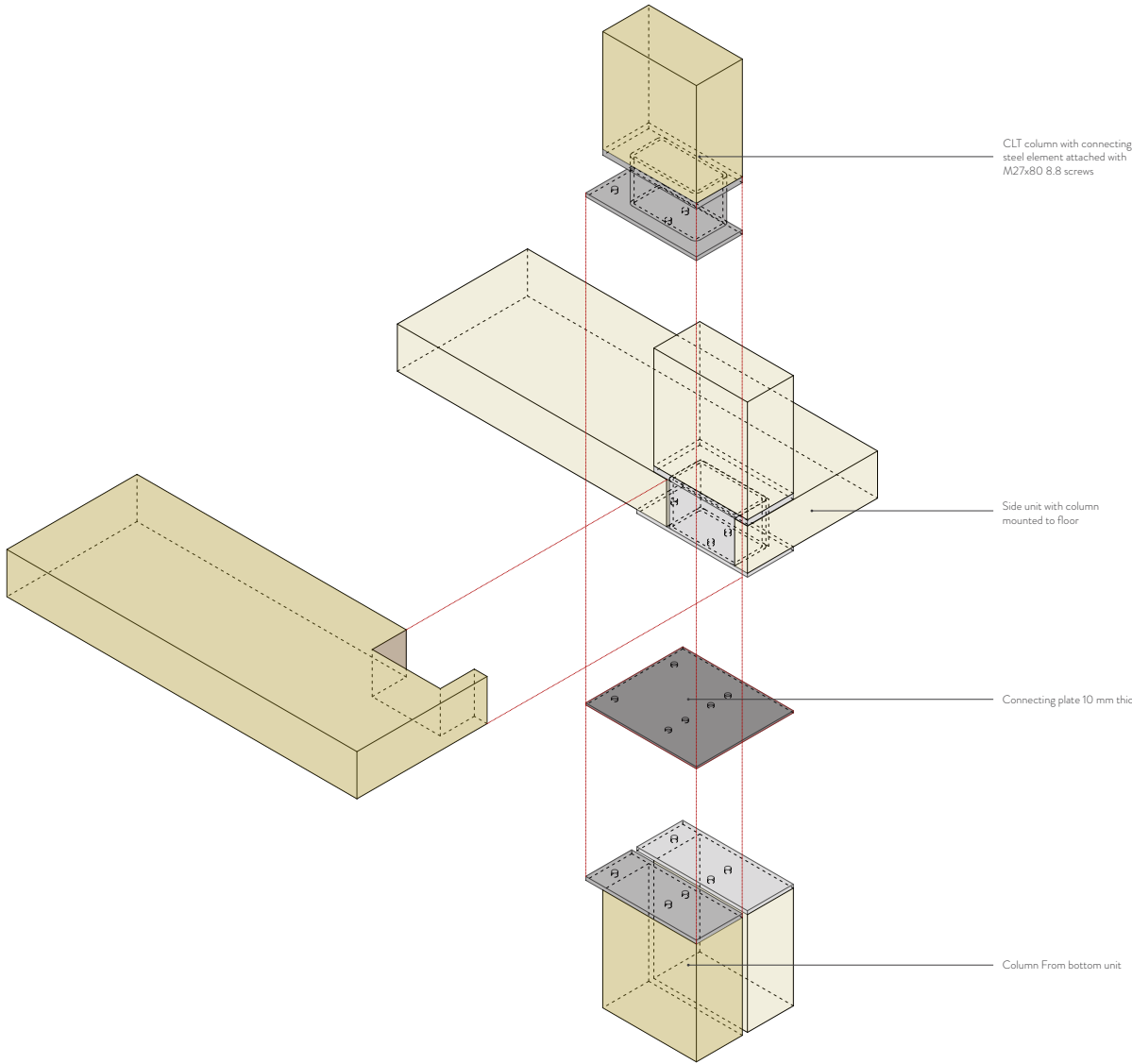






COLLECTIVE ROOF

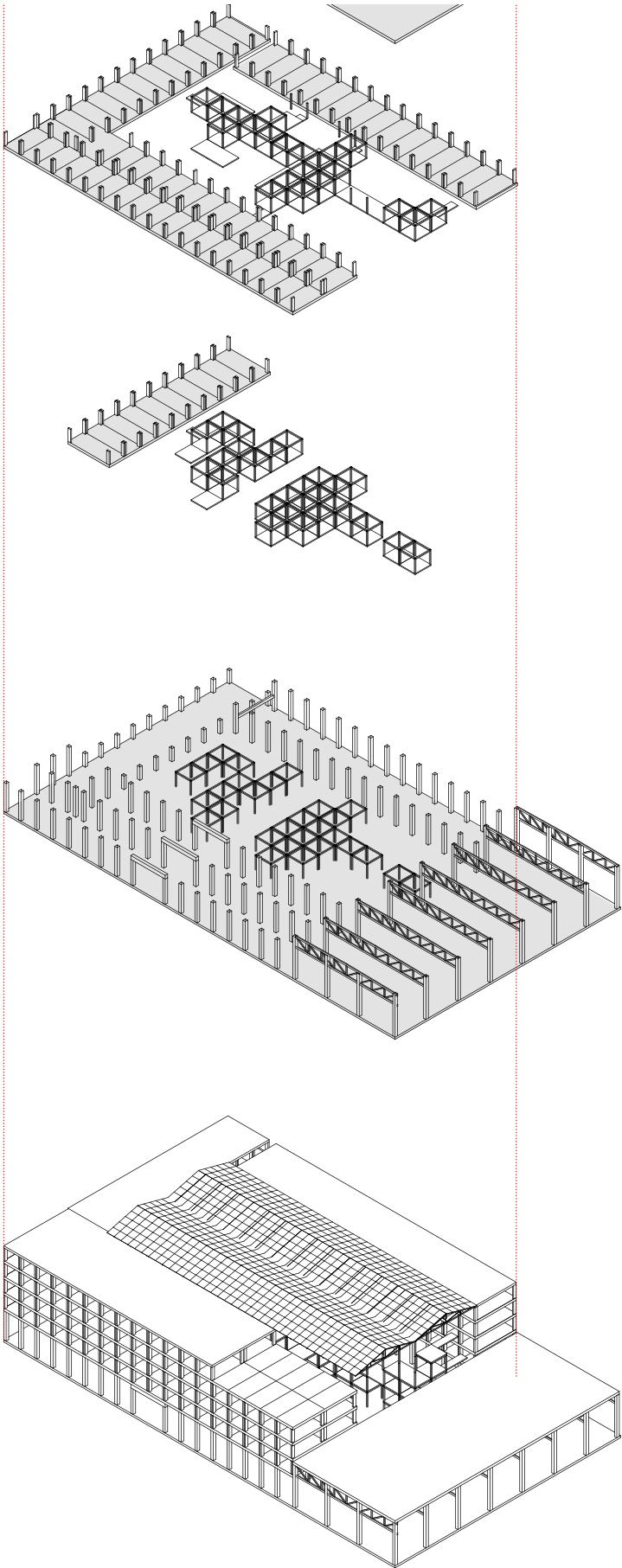




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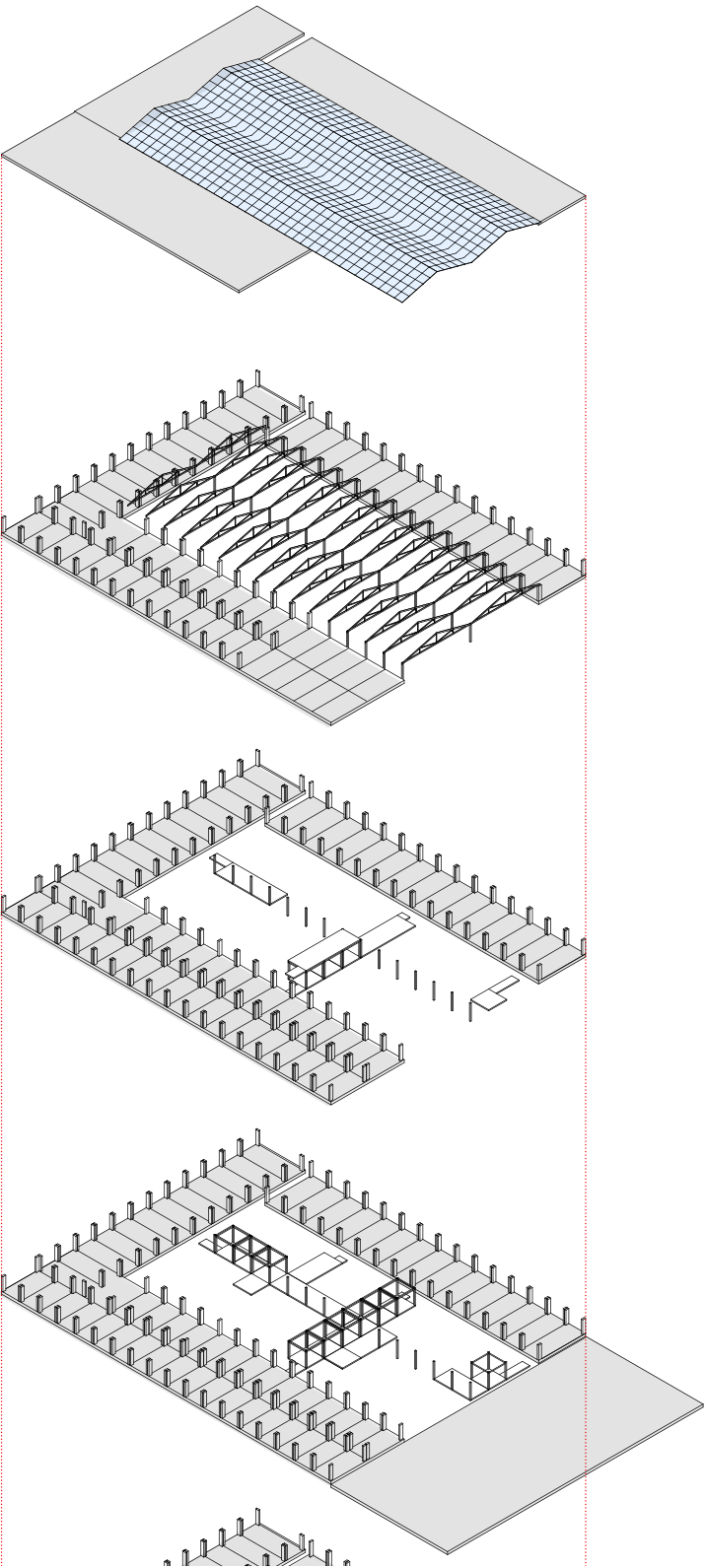
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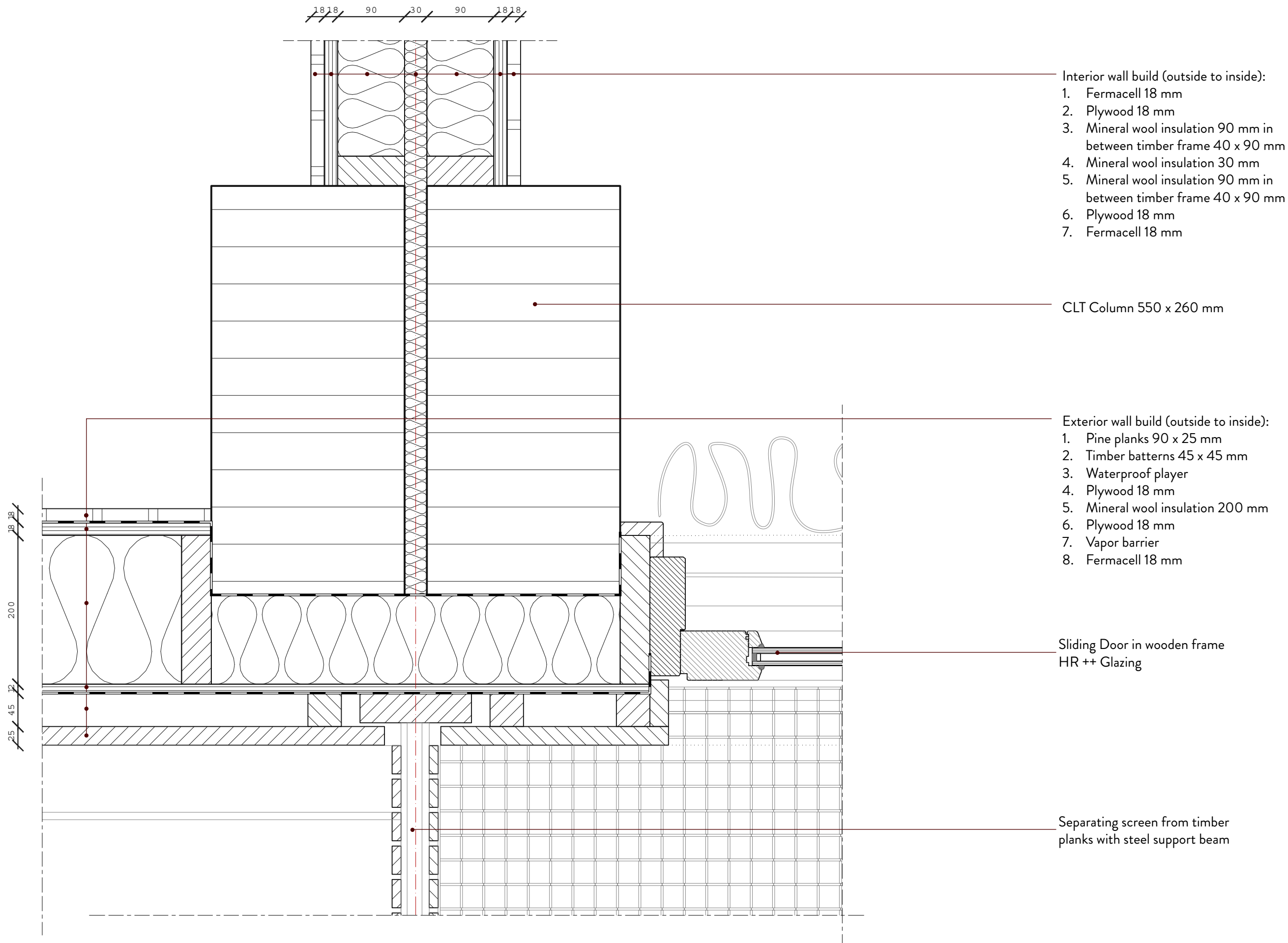
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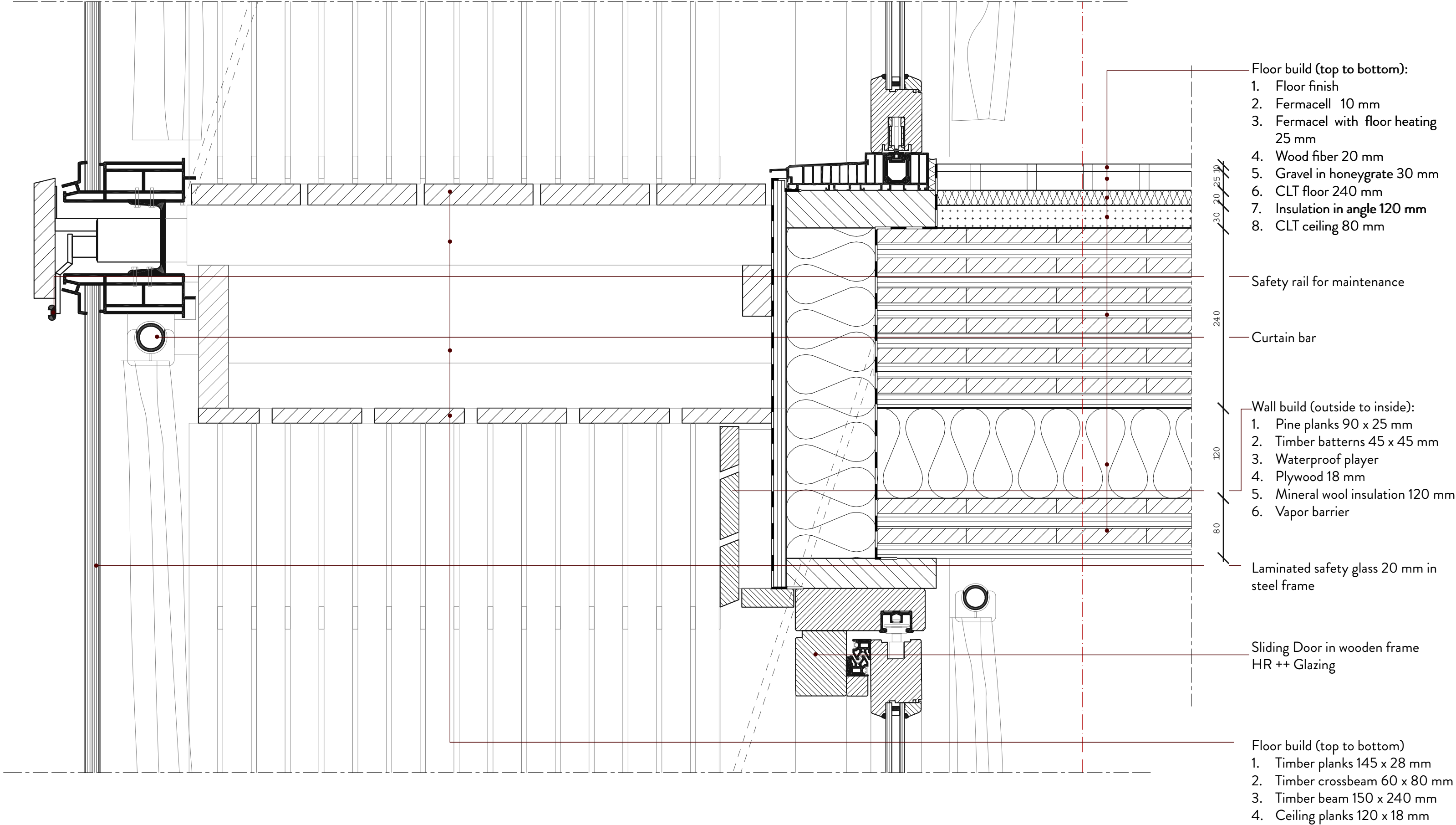
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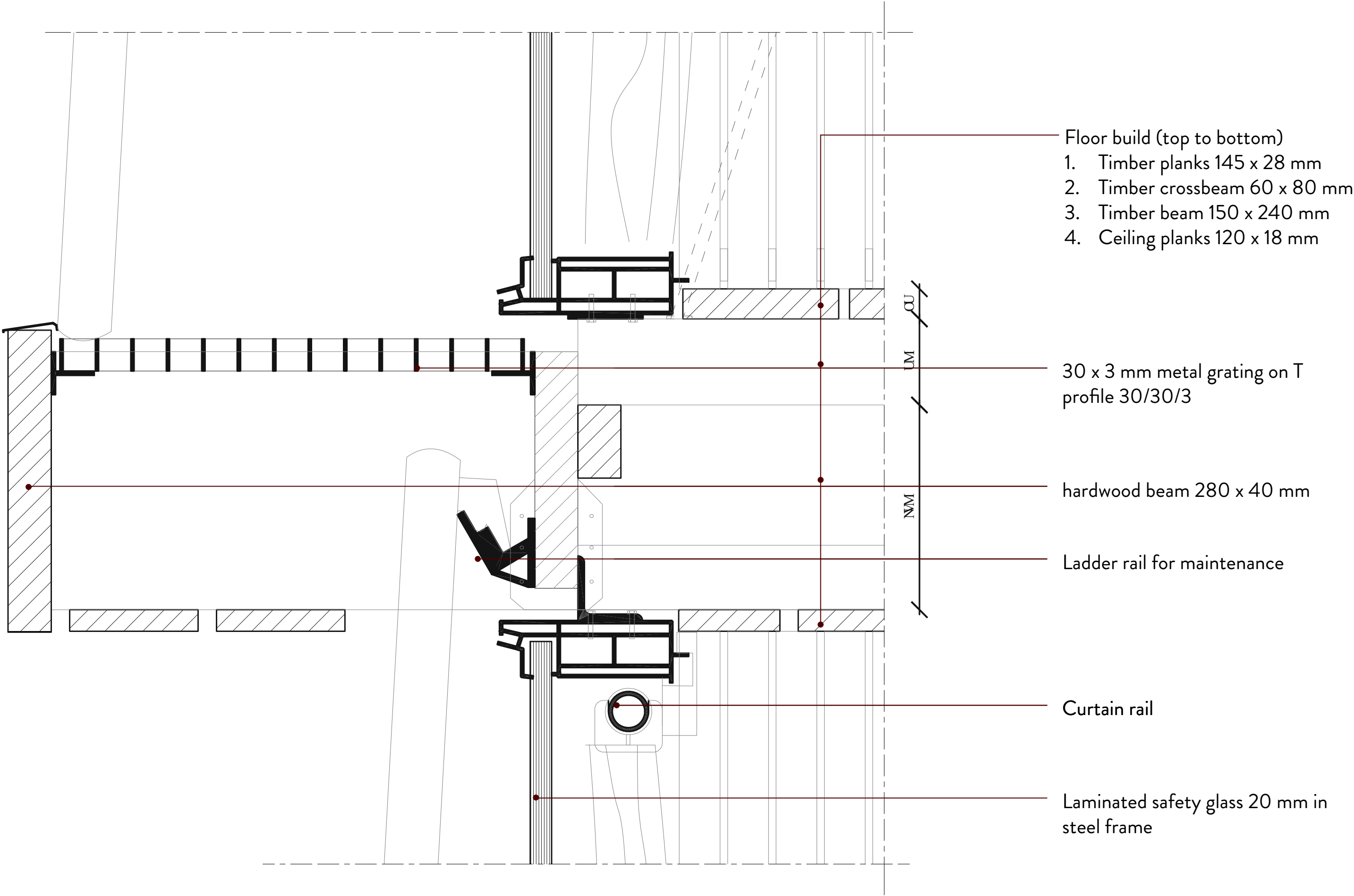
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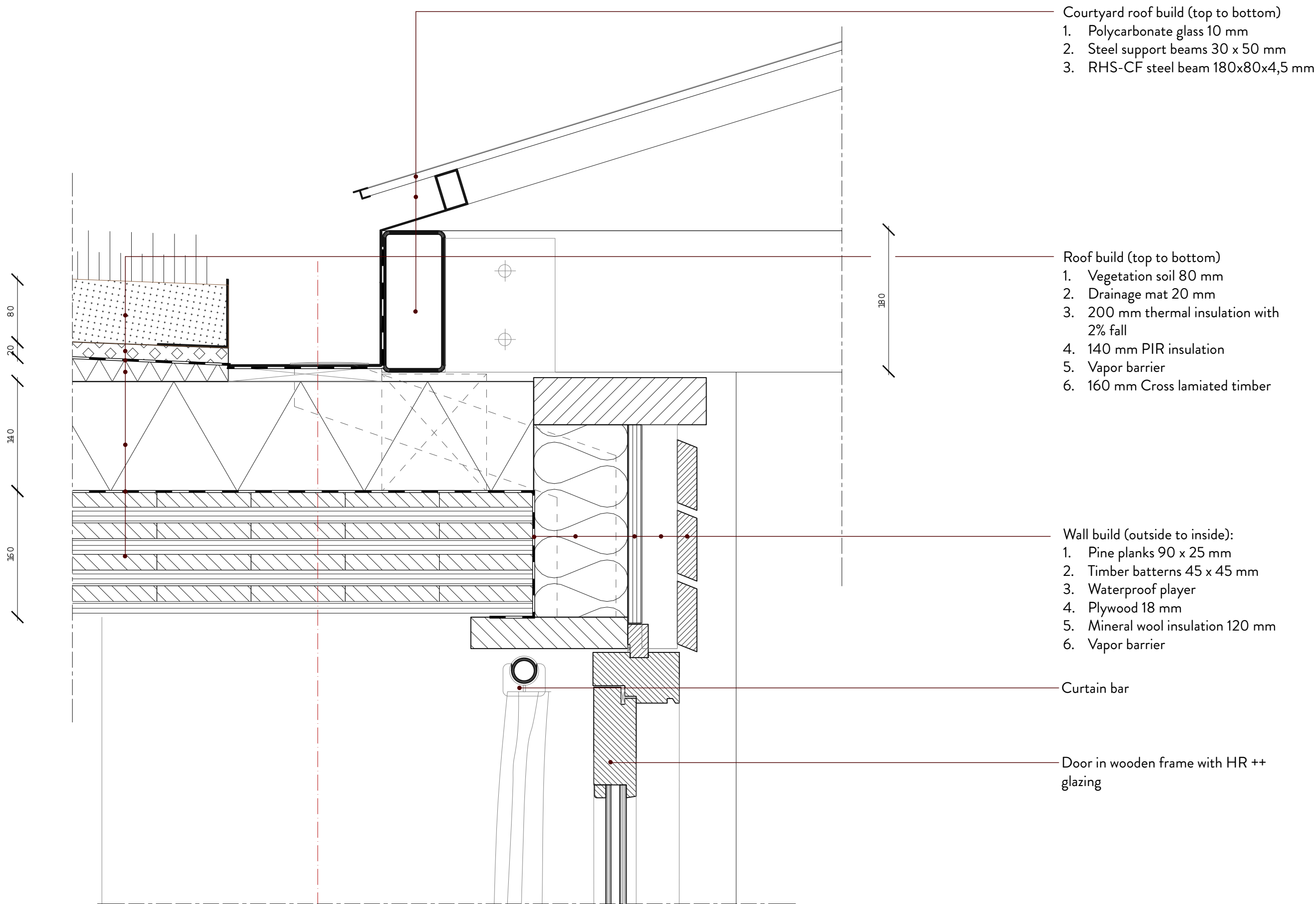


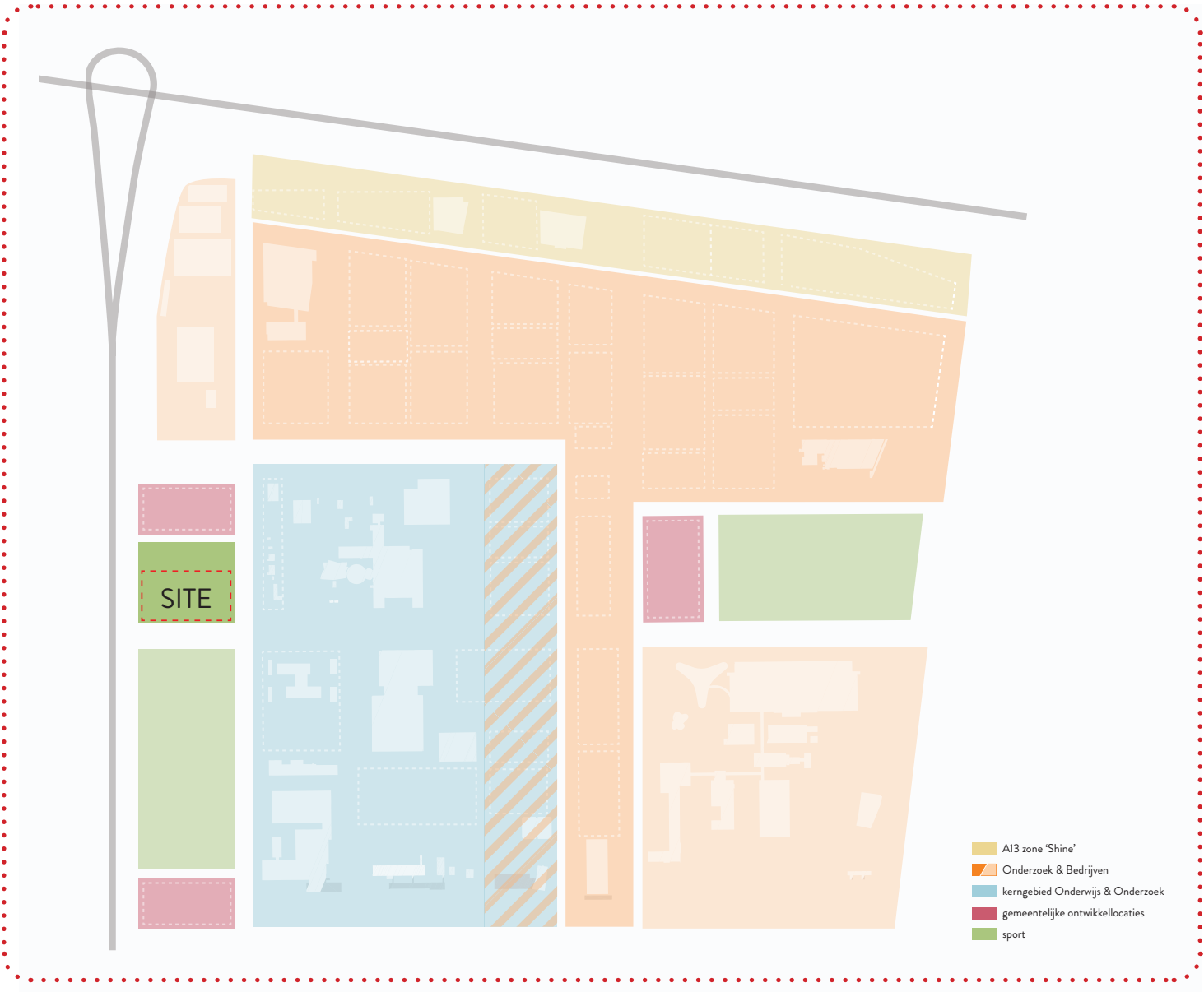
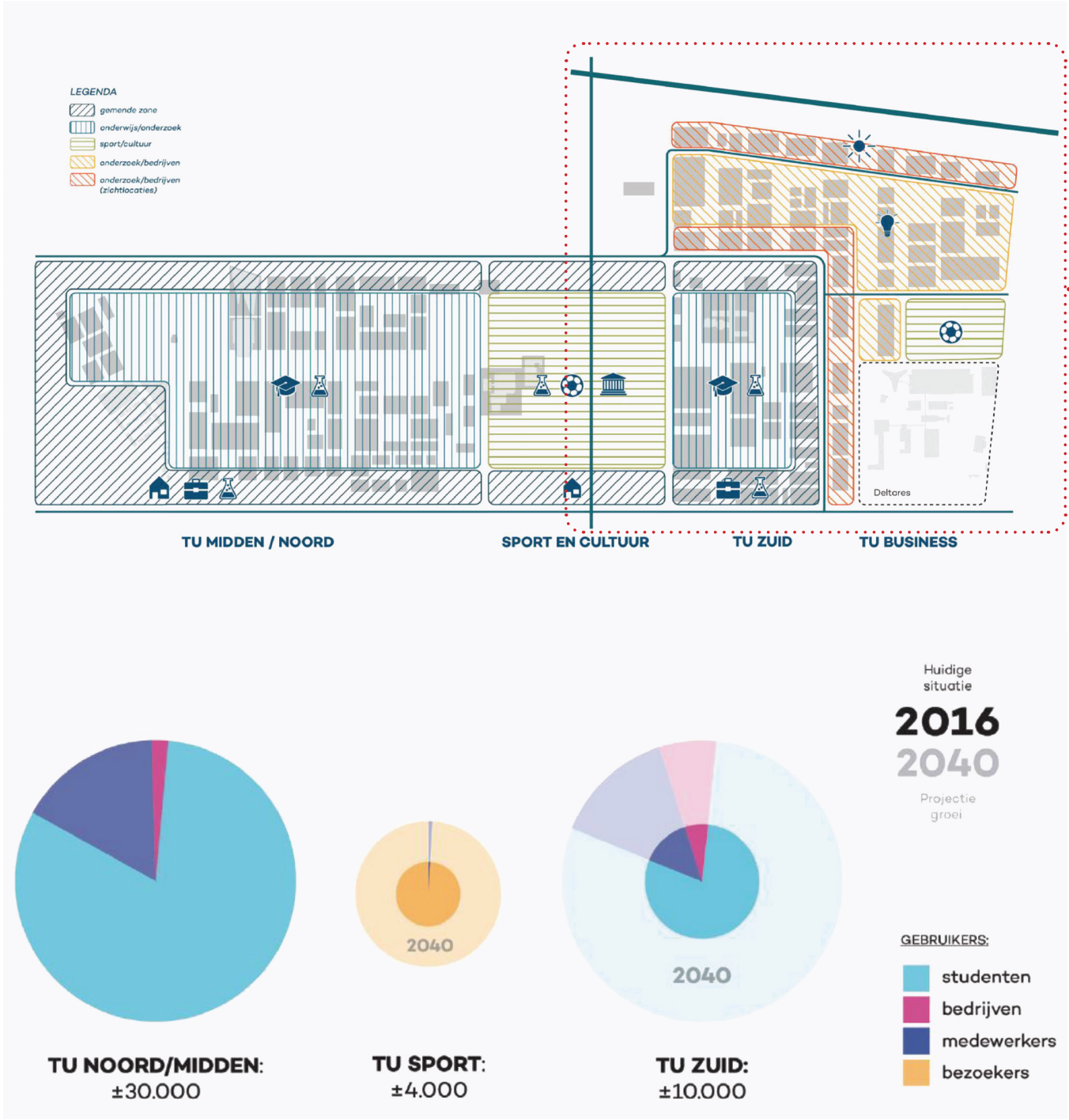
H 01 DETAIL







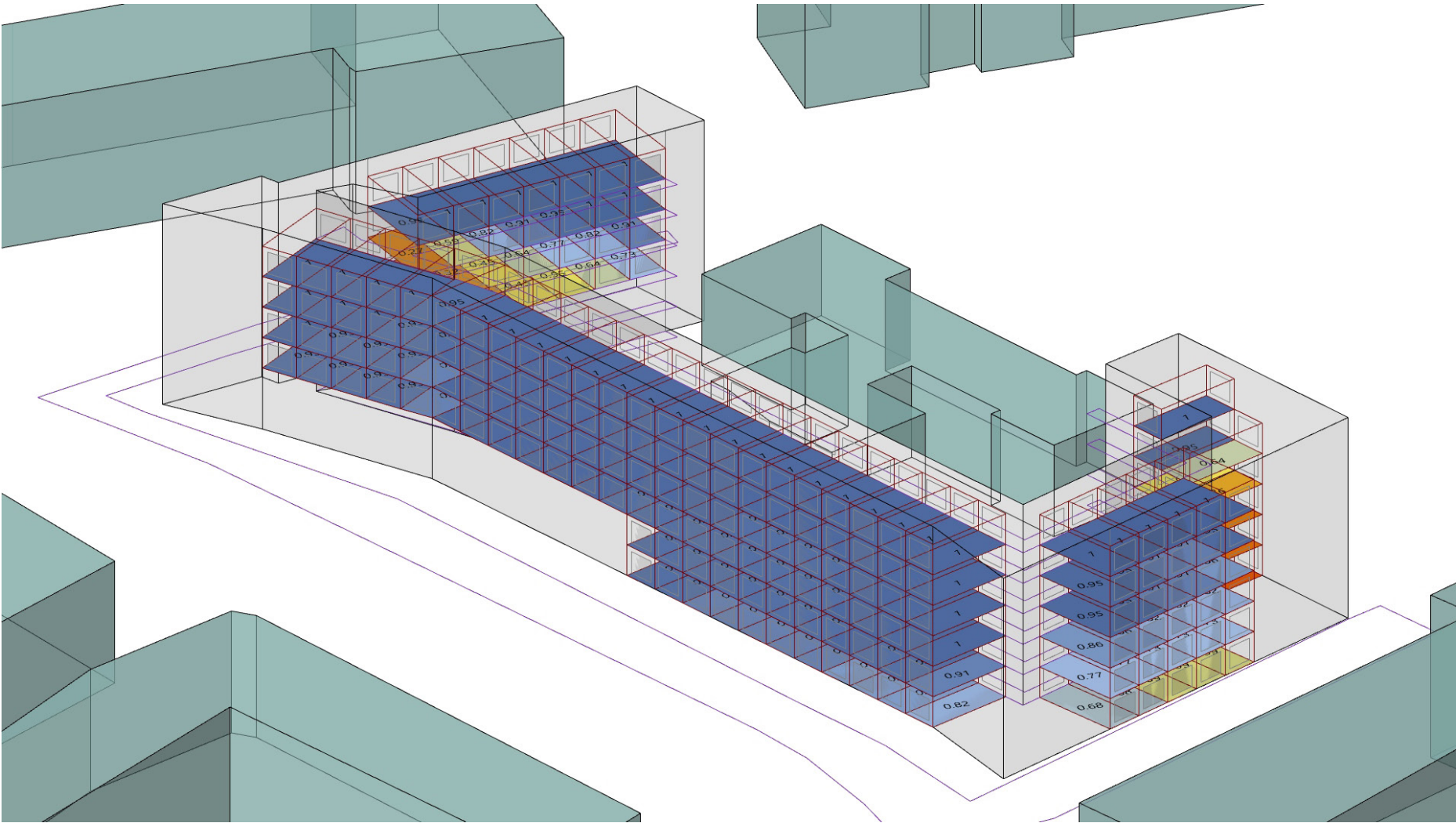




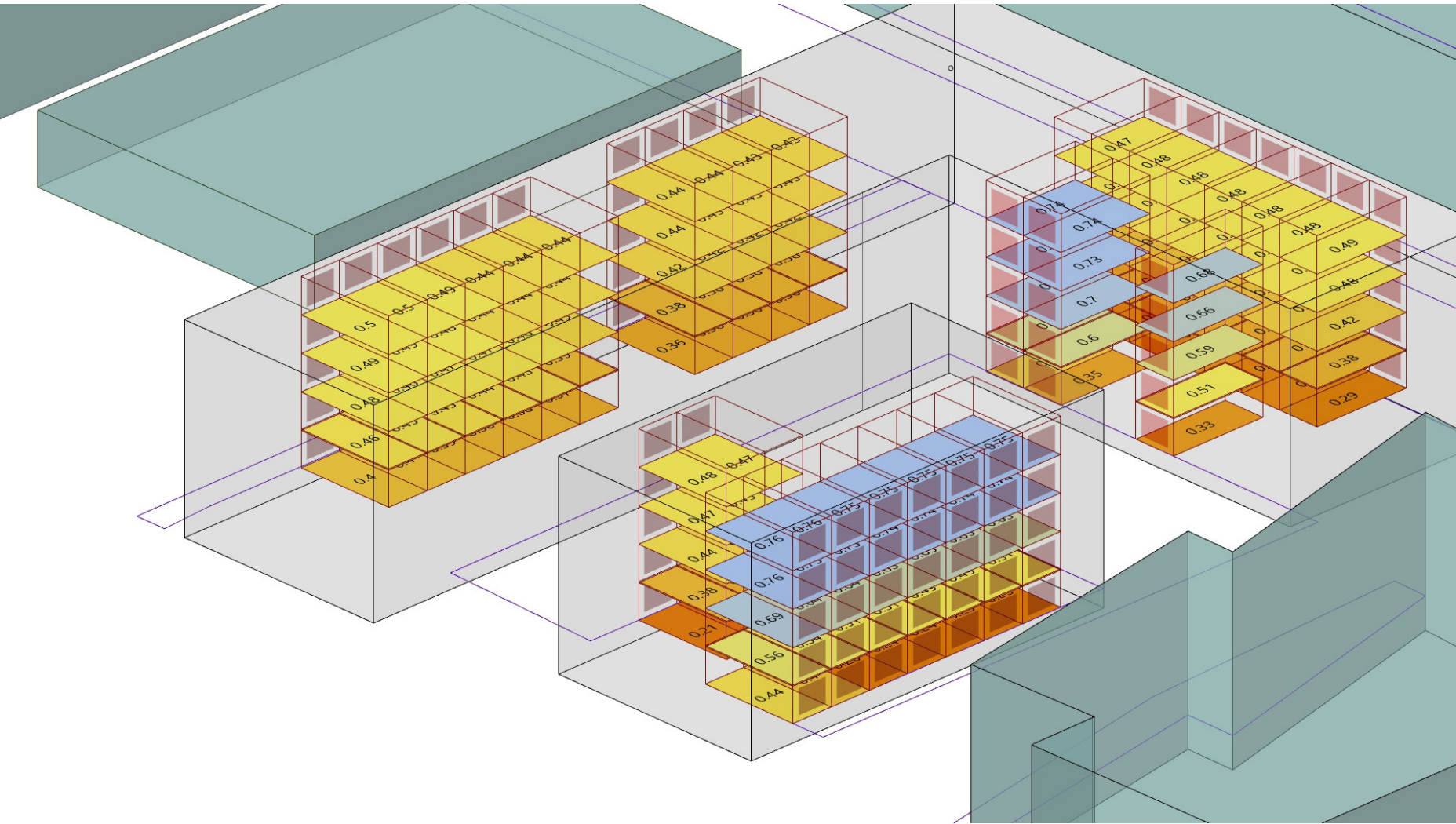
Source: Gemeente Delft & TU Delft, 2019

MASTER PLAN





1. Michiel de Ruiterweg



1. Rotterdamseweg