

Heesterveld - In gelul kan je niet wonen

A case for affordability in 1980's Dutch housing



Walk-up entrance at Heesterveld, Beeldbank Amsterdam

Thijs Blom / 4476425

Studio / New Heritage

Tutors / Uta Pottgieser (Arch.) & Ger Warries (BT)

May 19th, 2021

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Heesterveld

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Life on the ground

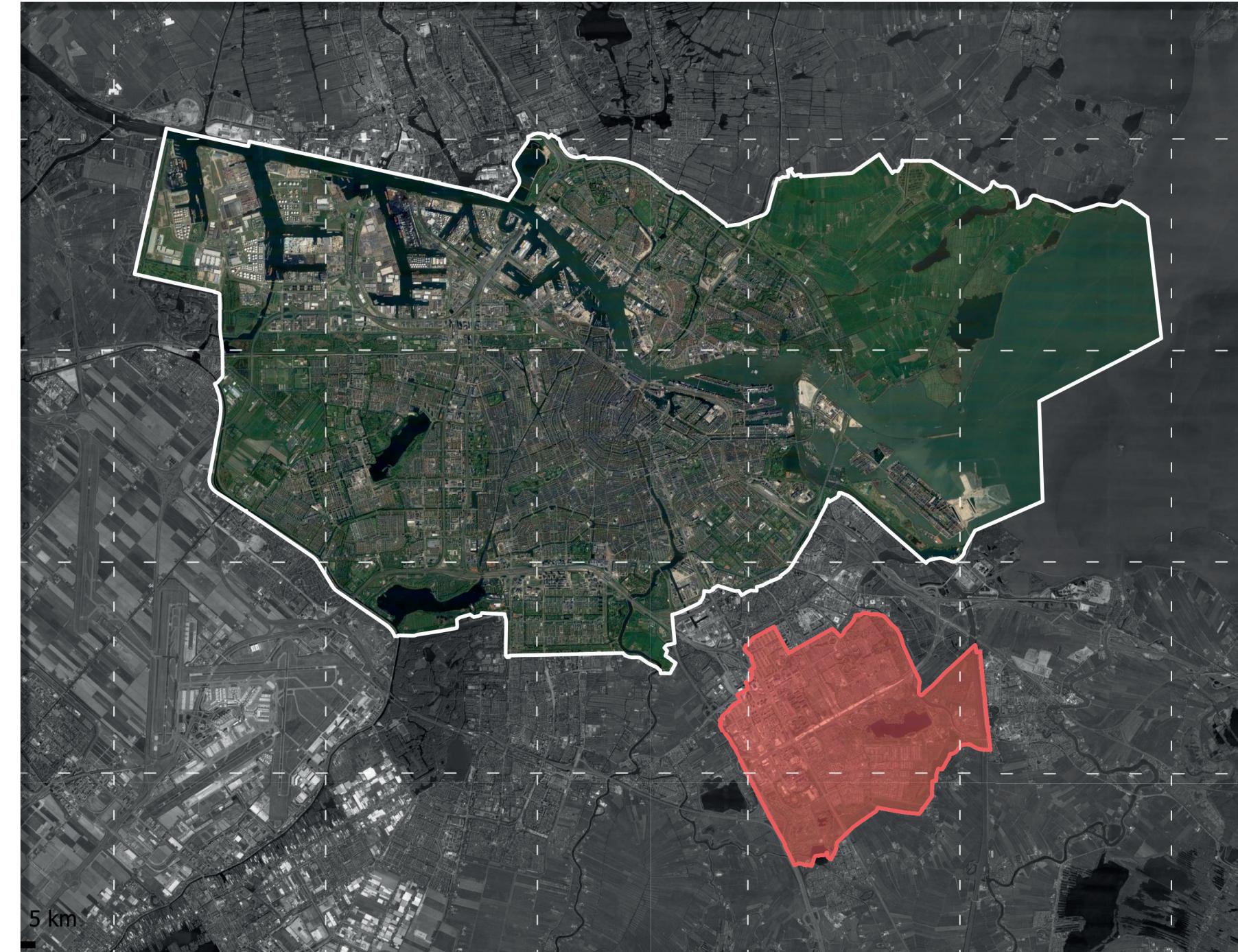
Life in between

Life on top

Reflection

Intro

Heesterveld / Amsterdam



Municipality of Amsterdam / 1:200.000, Bijlmermeer in red

Intro

Heesterveld / H-Buurt

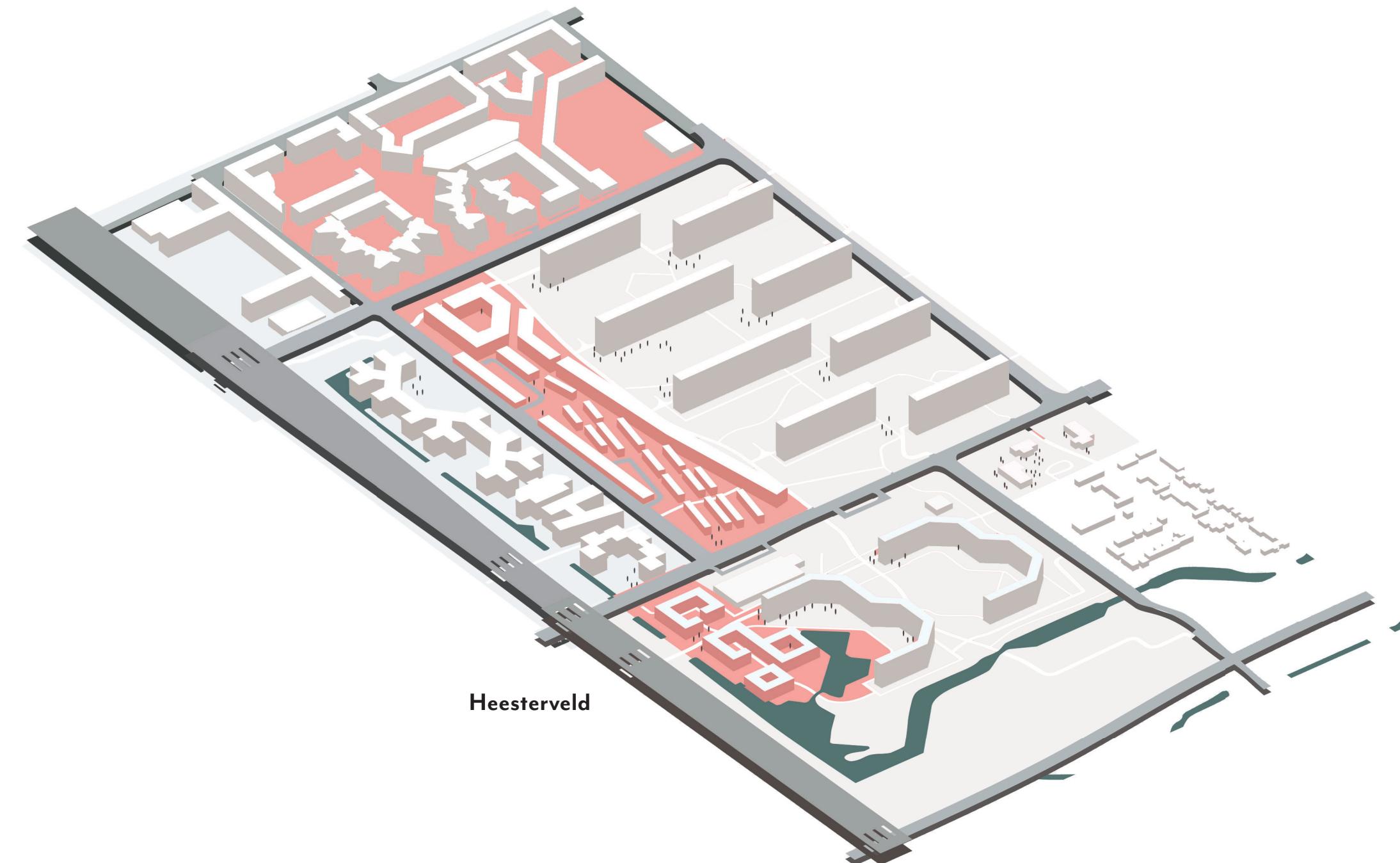


Image by Jonathan Verhoef

Intro

Heesterveld



1982
Frans van Gool

Four blocks
317 dwellings



Intro

New heritage

Is this heritage and to what extent does it merit preservation?

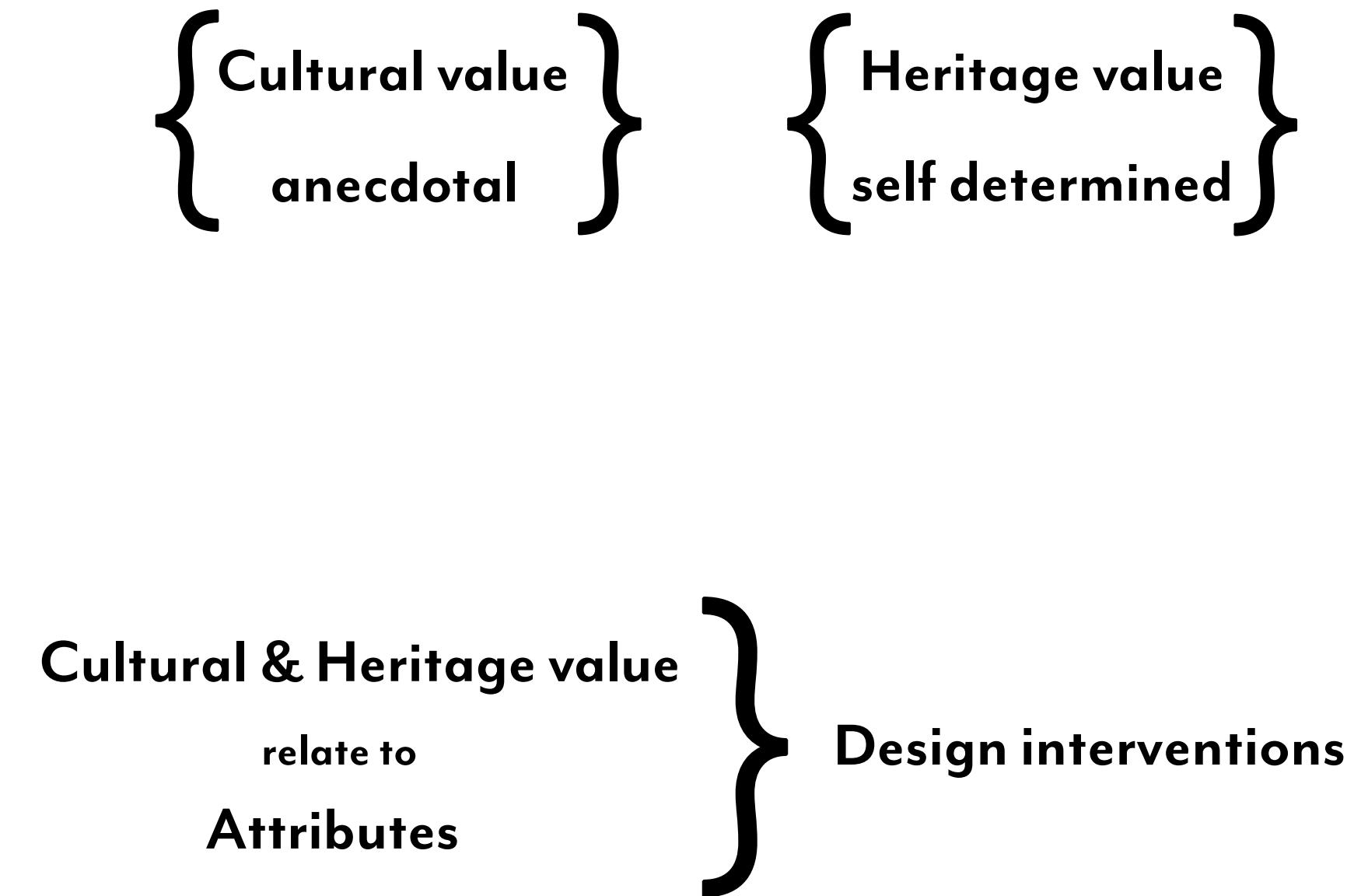


Courtyard at Heesterveld, Beeldbank Amsterdam



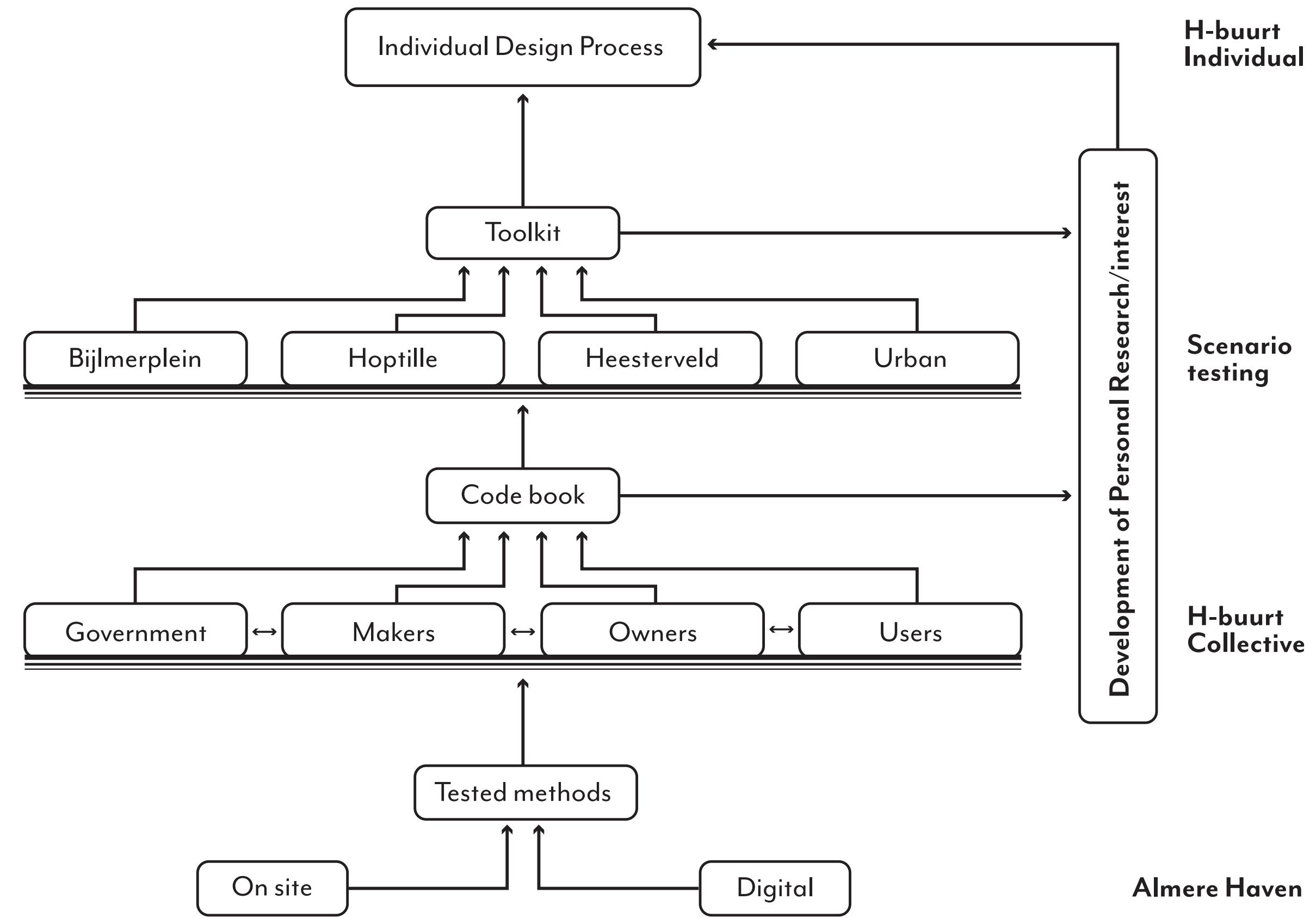
Courtyard at Heesterveld, Beeldbank Amsterdam

Research Value?



Research

Cultural value / Methodology



Research

Cultural value / Fieldwork

What do you think of this image?



PHOTO 1 | BIJLMERPLEIN



PHOTO 2 | BIJLMERPLEIN



PHOTO 3 | HOPTILLE



PHOTO 4 | HOPTILLE



PHOTO 5 | HEESTERVELD

Research

Cultural value / Fieldwork

What do you think of this image?



PHOTO 1 | BIJLMERPLEIN



PHOTO 2 | BIJLMERPLEIN



PHOTO 3 | HOPTILLE



PHOTO 4 | HOPTILLE



PHOTO 5 | HEESTERVELD

Research

Cultural value



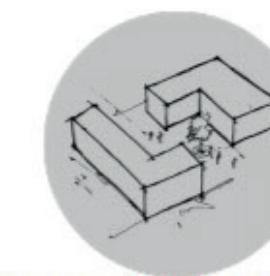
I heard that there used to be a pig roaming around here, and that there was a guy who had a barbecue that the entire pig would fit into. It was a terrible neighbourhood, so in the end they said “we have to demolish and rebuild, then it will be better”.

Research

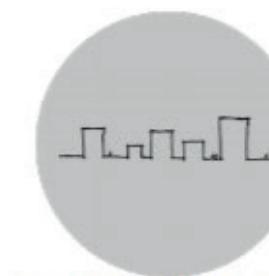
Cultural value / Toolkit



1. 80's Architecture



2a. Diversity - in Public Space



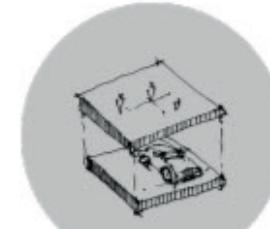
2b. Diversity - Dwelling scale



2c. Diversity - In function



2d. Diversity - Cultural



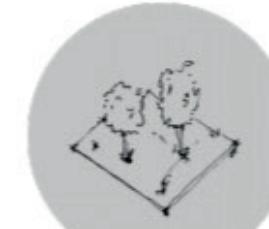
3. Elevated level



4. Feeling of Safety



5. (In)formal economy



6a. Greenery - Lack of quality



6b. Greenery - Abundance of



7. Low - mid - high-rise



8a. Maintenance - Building



8b. Maintenance - Urban



9. Mistrust



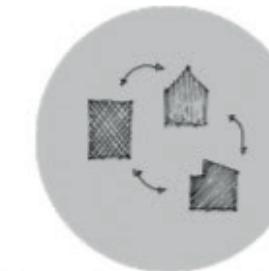
10. Nuisance of garbage



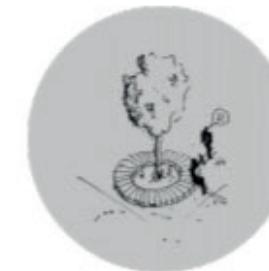
11. Sense of ownership



12. (Street)art



13. Three distinctive identities



14. Unintended use of public space

Themes H-buurt

Research

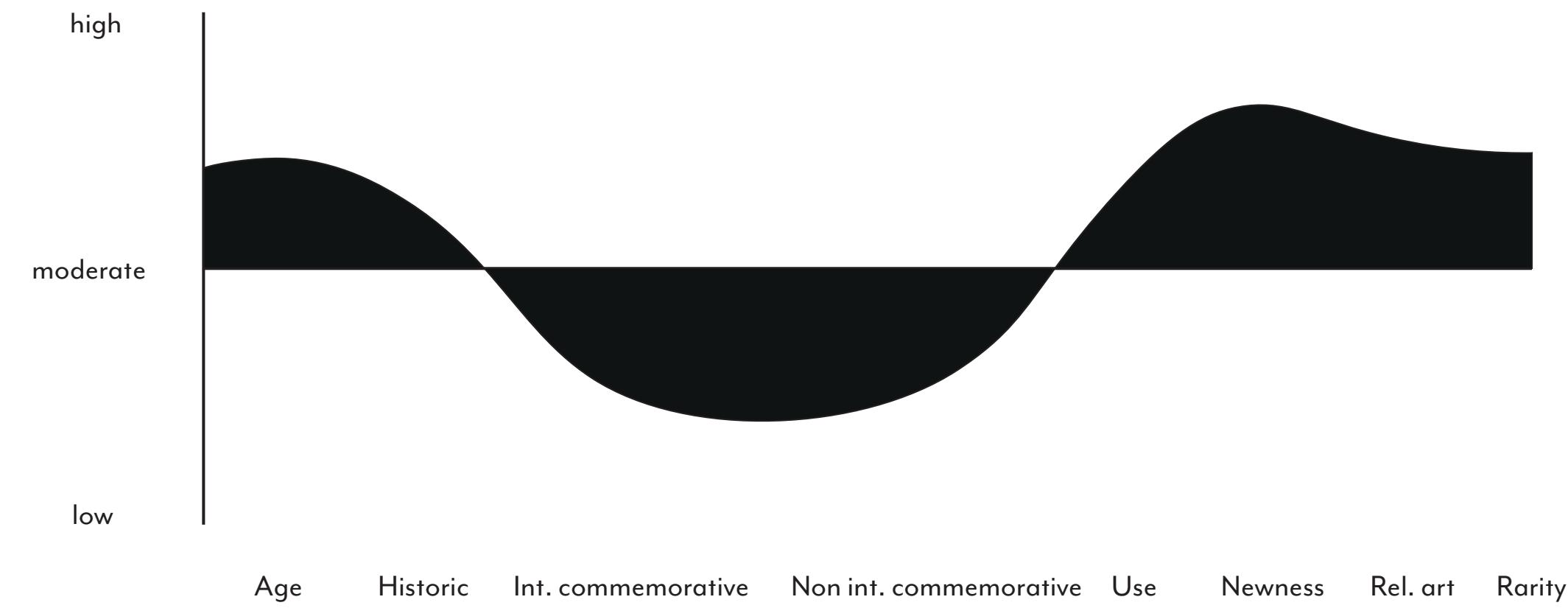
Heritage value / Framework

Brand layers

		Riegl values							
		Age value	Historical value	Intentional commemorative value	Non intentional commemorative value	Use value	Newness value	Relative art value	Rarity value
Surroundings		Anti-Bijlmer movement							
Site					Parking to courtyard				
Skin	Concrete aging	PoMo architecture Prefab façade system	Coloured façades			Coloured façades	Coloured façades	Coloured façades	
Structure					Concrete tunnel construction				
Space plan									
Surfaces									
Services					Access system Shops				
Stuff		Window & doors			'Hijsbalk'				
Spirit of place			Signs creative community						

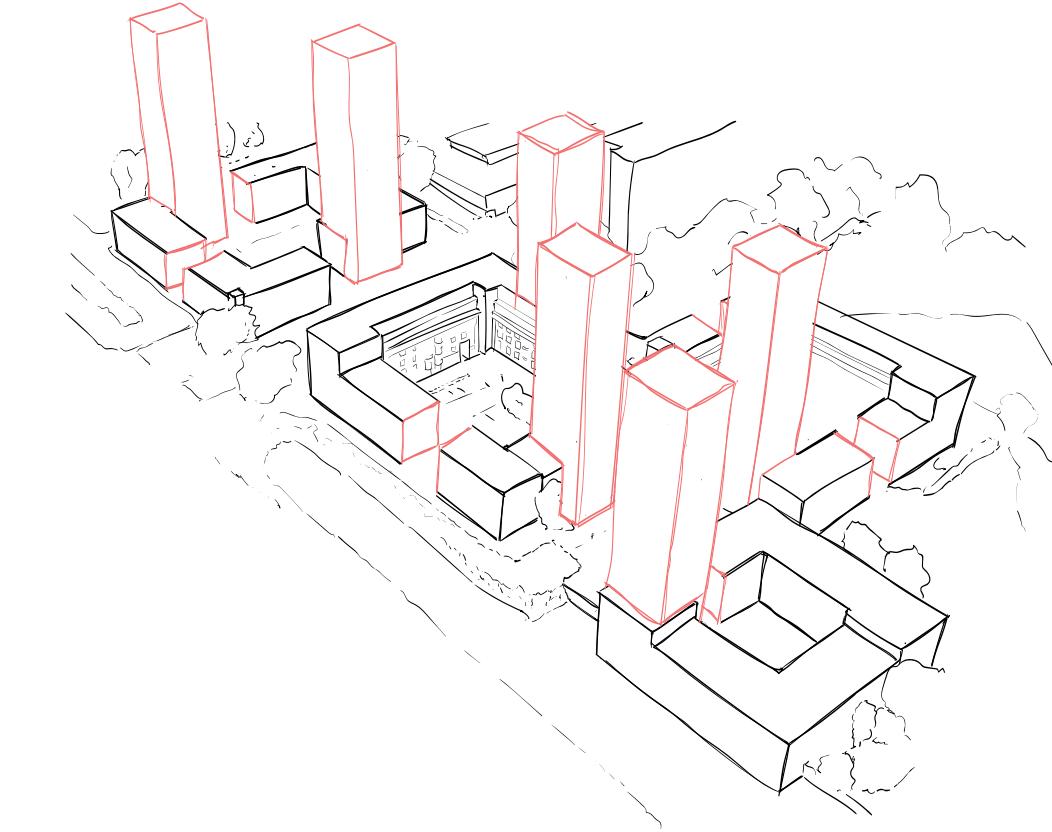
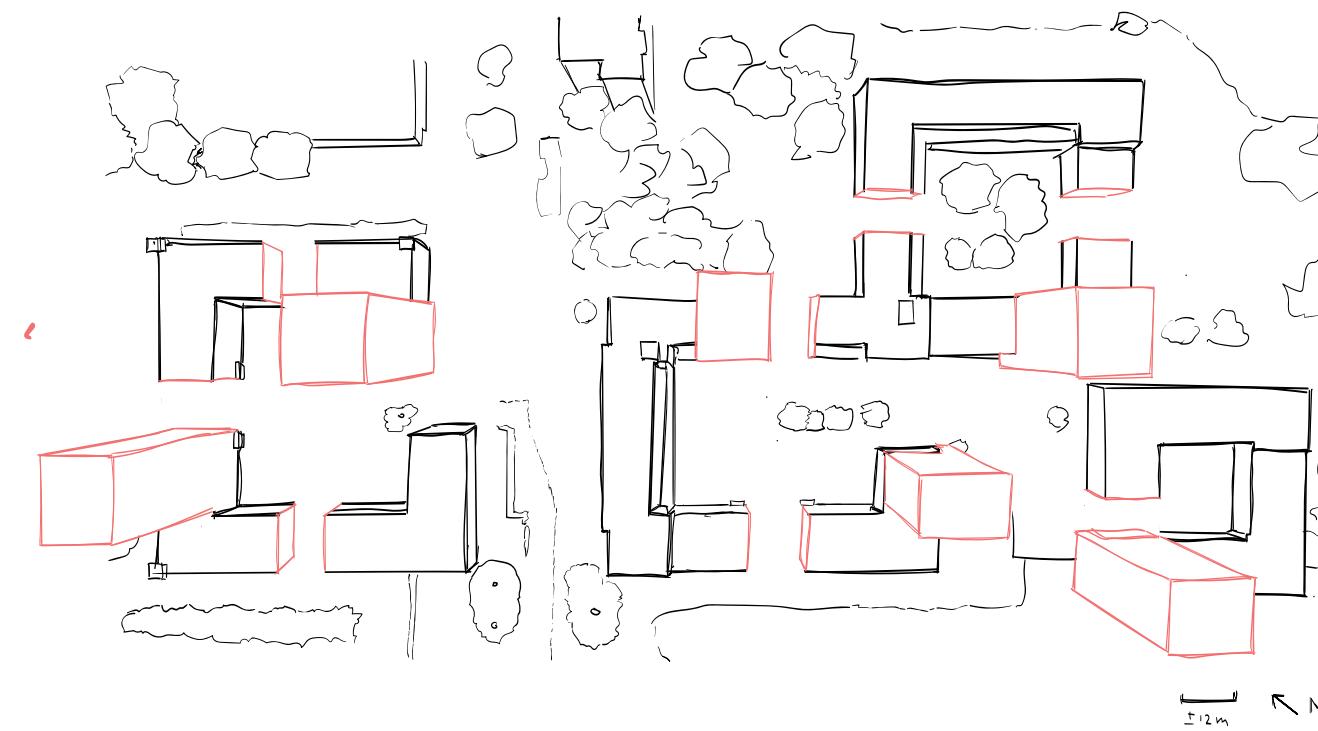
Research

Heritage value / Interpretation



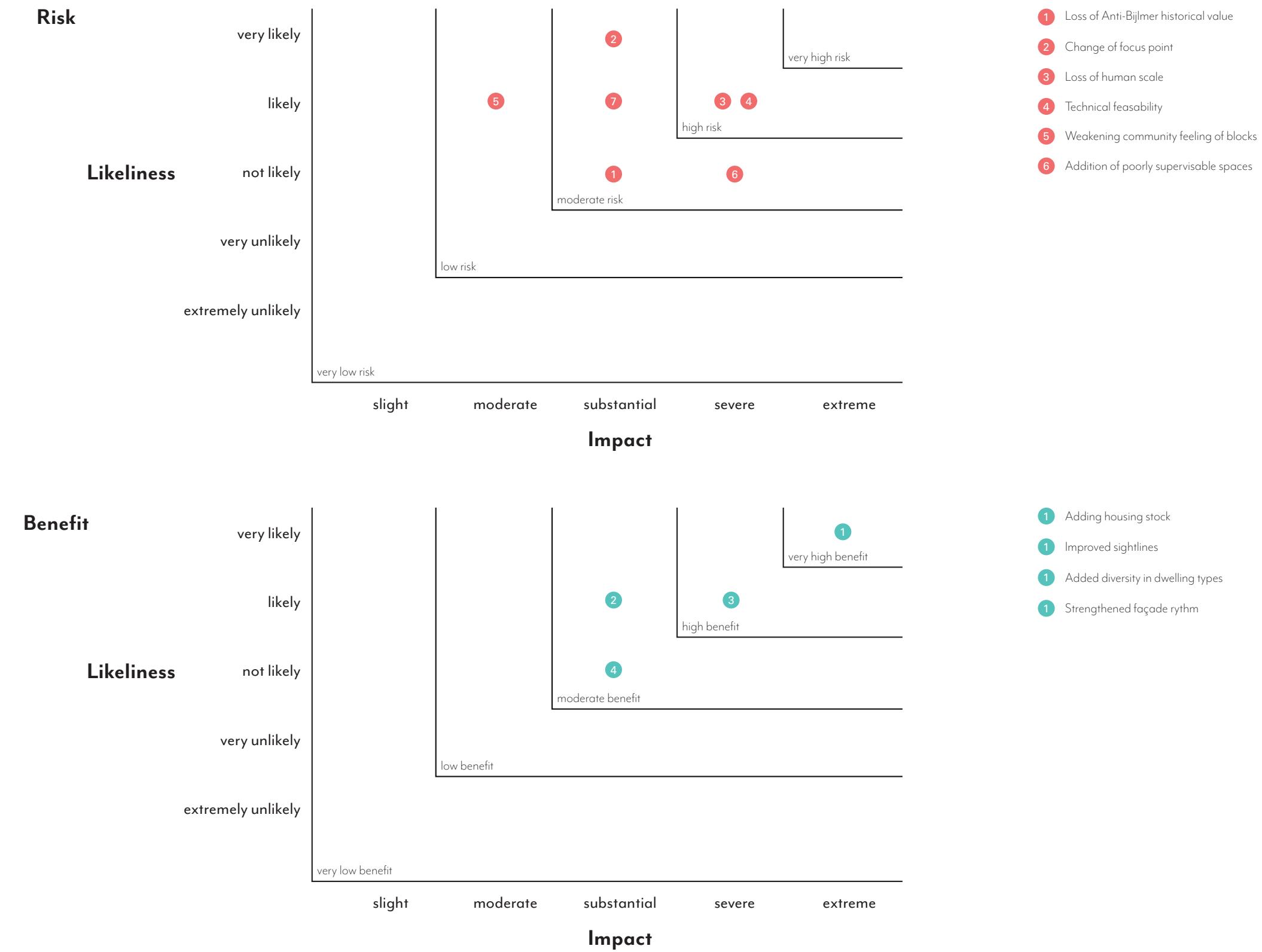
Research

Heritage value / Interpretation



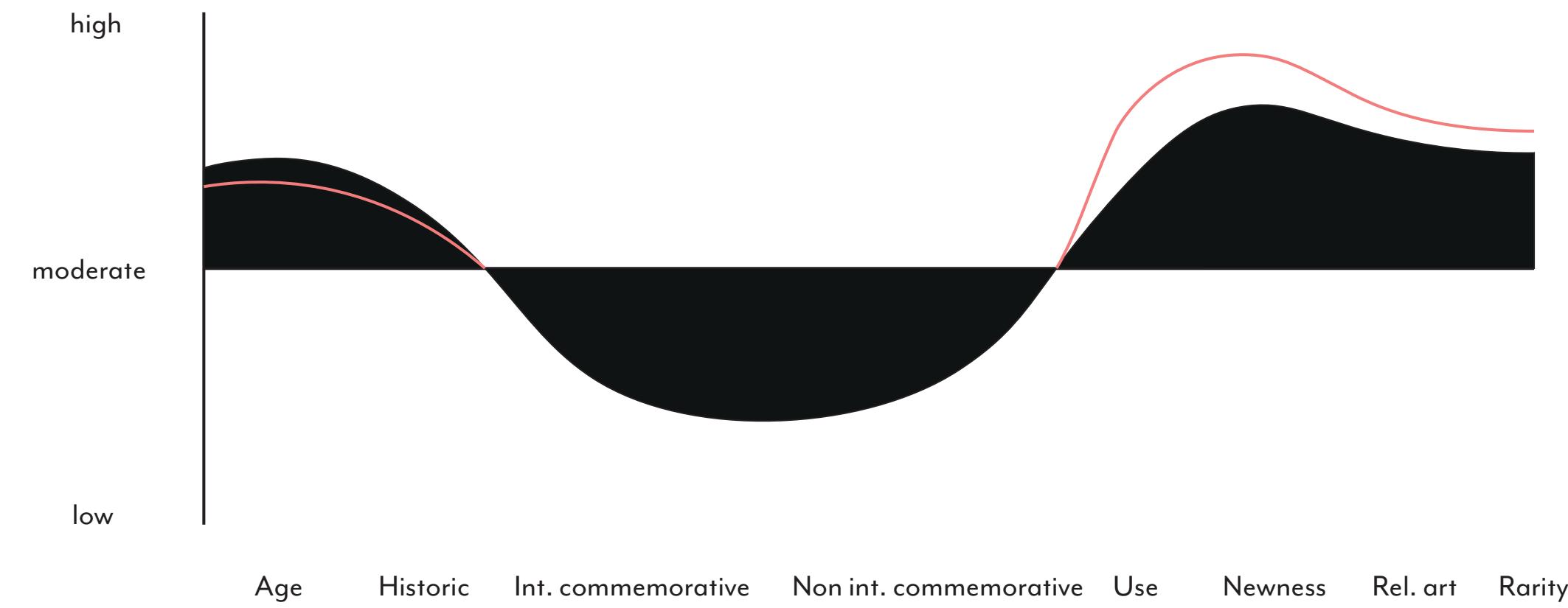
Research

Heritage value / Interpretation



Research

Heritage value / Interpretation



Research

Affordability

Affordability is the balance in cost and quality

=

Economy

Ecology

Social

Why is this the problem to solve?

Research Affordability

Het woningtekort dicteert hoeveel huizen erbij moeten komen. Maar hoe groot is het nu echt?

Analyse

24 augustus 2020 • Leestijd 7 - 9 minuten • Herinner mij later

Het enorme tekort van 331.000 woningen laat maar ruimte voor één conclusie: in hoog tempo woonblokken uit de grond stampen. Maar het is moeilijk te bepalen hoe groot de behoefte aan huizen precies is. En kunnen we woonruimte beter verdelen?

<https://decorrespondent.nl/11524/het-woningtekort-dicteert-hoeveel-huizen-erbij-moeten-komen-maar-hoe-groot-is-het-nu-echt/20527528340000-d2e15b45#:~:text=of%20langer%20leegstaan.,In%202017%20hadden%20285.000%20huishoudens%20een%20woning%20nodig.,is%20het%20opgelopen%20naar%20331.000.>

Vrij, Onverwijld
Het Parool

Plus

Hoe professionele bendes de sociale huursector misbruiken

Professionele bendes hebben zich gestort op Amsterdamse sociale huurwoningen van Ymere. De nieuwe vorm van fraude toont aan hoe aantrekkelijk het is de sociale huursector te misbruiken.

Ton Damen 11 maart 2019, 10:27

<https://www.parool.nl/nieuws/hoe-professionele-bendes-de-sociale-huursector-misbruiken~b31f87e3/>

	2017	2020	2025	2030	2035	2040
<small>x 1.000</small>						
Vraag van huishoudens in BAR	285	307	298	289	283	279
Vraag van nieuwe huishoudens (saldo)	64	61	47	31	16	6
Totale vraag	349	368	345	320	299	285
Aanbod (beschikbare leegstand > 1 jaar)	107	108	102	109	125	150
Gewenste woningvoorraad	7.928	8.136	8.408	8.608	8.725	8.789
Verwachte woningvoorraad	7.686	7.875	8.160	8.387	8.533	8.620
Woningtekort	-242	-261	-248	-221	-192	-169
als % van de woningvoorraad	-3,2%	-3,3%	-3,0%	-2,6%	-2,2%	-2,0%

<https://www.parool.nl/nieuws/hoe-professionele-bendes-de-sociale-huursector-misbruiken~b31f87e3/>

Research Affordability



▲ Foto ter illustratie. © ANP

'Energiearmoede groeit in Nederland'

Het aantal mensen dat de energierekening niet kan betalen, dreigt te verdubbelen. Dat meldt *Trouw* op basis van een onderzoek van bureau Ecorys. Ruim 650.000 huishoudens kunnen hun maandelijkse energierekening niet of nauwelijks betalen.

<https://www.ad.nl/binnenland/energiearmoede-groeit-in-nederland~a0a345al/>



The image shows a red graphic titled 'AGENDA VOOR NEDERLAND VOOR 2030'. In the top right corner, there is stylized text '15x' and 'ander'. The main text is in white. Below the title, there is a numbered list of four items:

- ① HUISHOUDENS GAAN 65% ENERGIE BESPAREN (O.A. DOOR ISOLATIE EN ZUINIGERE APPARATEN)
- ② KANTOREN VERBRUIKEN 70% MINDER ENERGIE
- ③ NIEUWBOUW WORDT ENERGIENEUTRAAL VANWEGE EU-REGELGEVING 50.000 HUIZEN PER JAAR VANAF 2020
- ④ BESTAANDE HUIZEN WORDEN ENERGIENEUTRAAL (GAS ERUIT; DE REST DUURZAAM OPWEKKEN)
 - A. OPSCHALEN VAN TIENDUIZENDEN WONINGEN PER JAAR IN 2018 NAAR RUIM 1 MILJOEN WONINGEN IN 2030
 - B. OPLEIDEN PROCESBEGELEIDERS, INSTALLATEURS EN ANDEREN DIE HUISHOUDENS GAAN ONDERSTEUNEN

Urgenda (2020)

Research Affordability

Drillrapvete aanleiding steekpartij Albert Heijn Watergraafsmeer

Een slepende vete tussen Amsterdamse drillrapgroepen was de aanleiding voor de steekpartij waarbij een medewerker van Albert Heijn zwaargewond raakte in een filiaal in de Watergraafsmeer.

Wouter Laumans en Paul Vugts 22 december 2020, 22:56

<https://www.parool.nl/amsterdam/drillrapvete-aanleiding-steekpartij-albert-heijn-watergraafsmeer~be-aa5857/>

REPORTAGE BIJLMERFANFARE

De Bijlmerfanfare laat zien dat er meer is dan drillrap, met dank aan het buurtfonds

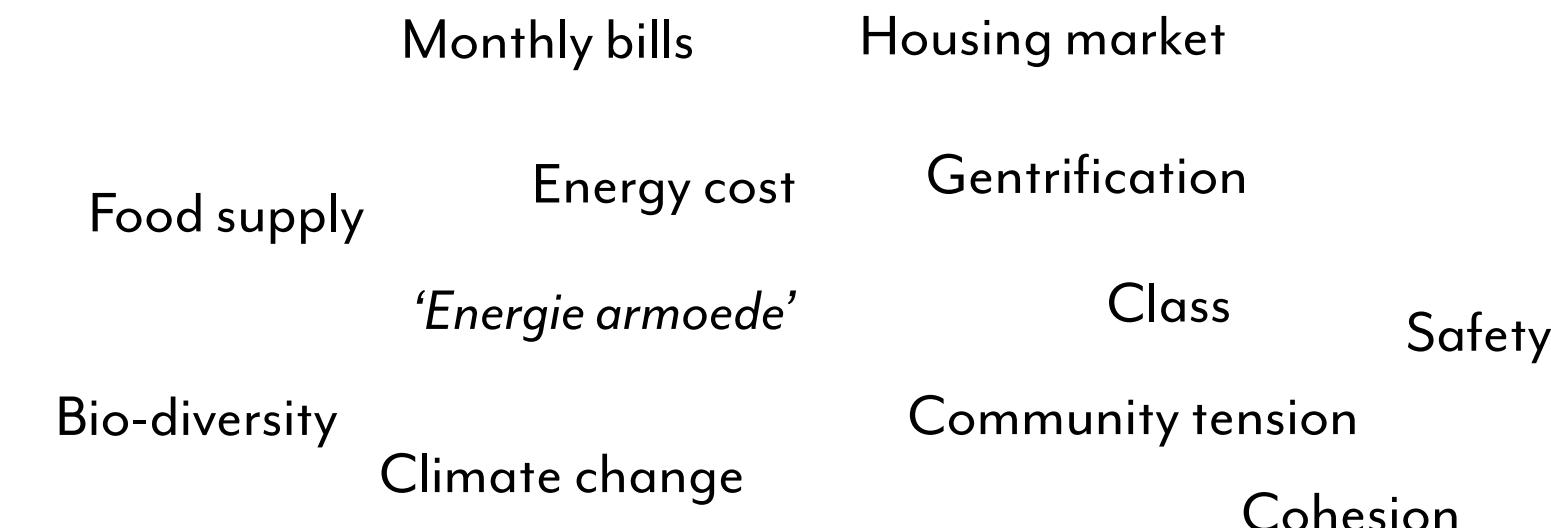


<https://www.volkskrant.nl/nieuws-achtergrond/de-bijlmerfanfare-laat-zien-dat-er-meer-is-dan-drillrap-met-dank-aan-het-buurtfonds~b212aa13/>

Research

Affordability

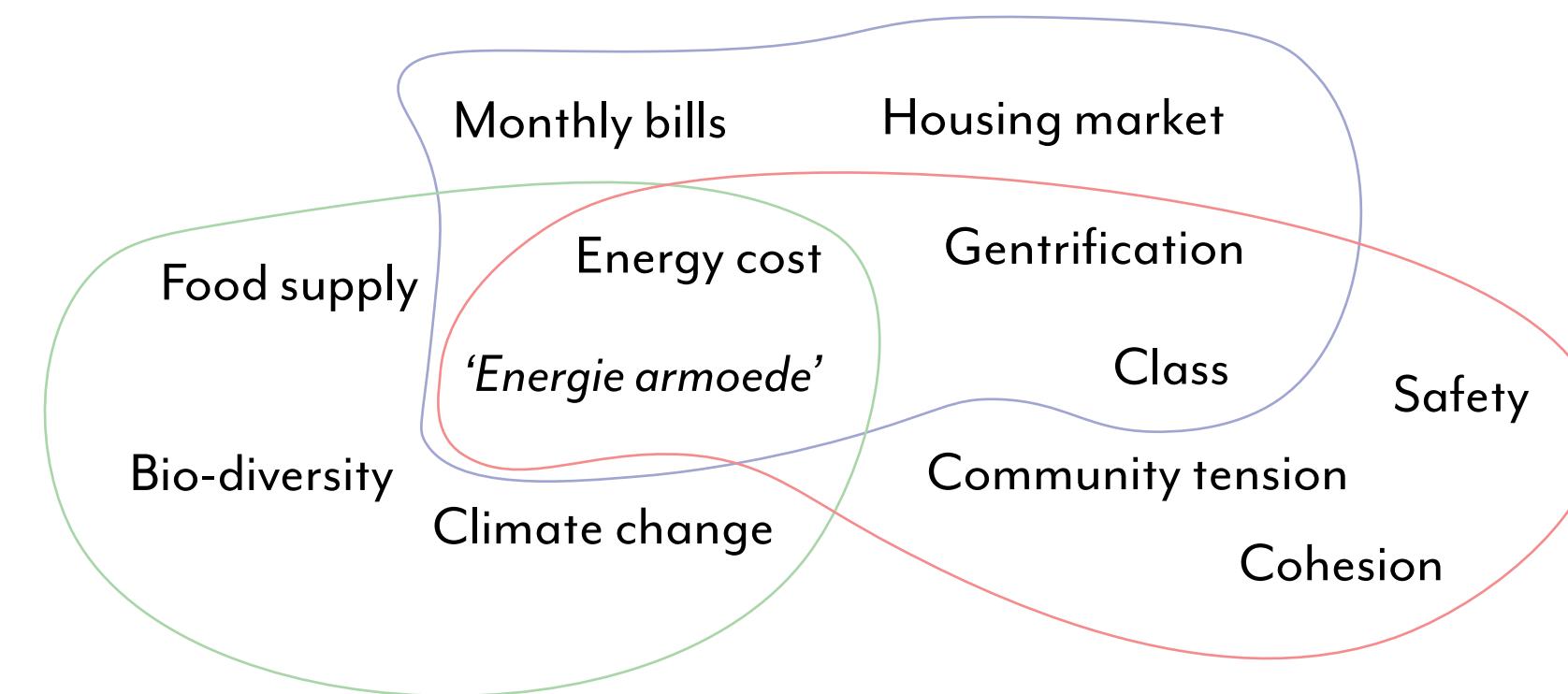
Affordability



Research

Affordability

Affordability is the balance in cost and quality



Research

Affordability

Affordability ~~is the balance in cost and quality~~

=

Economy

Ecology

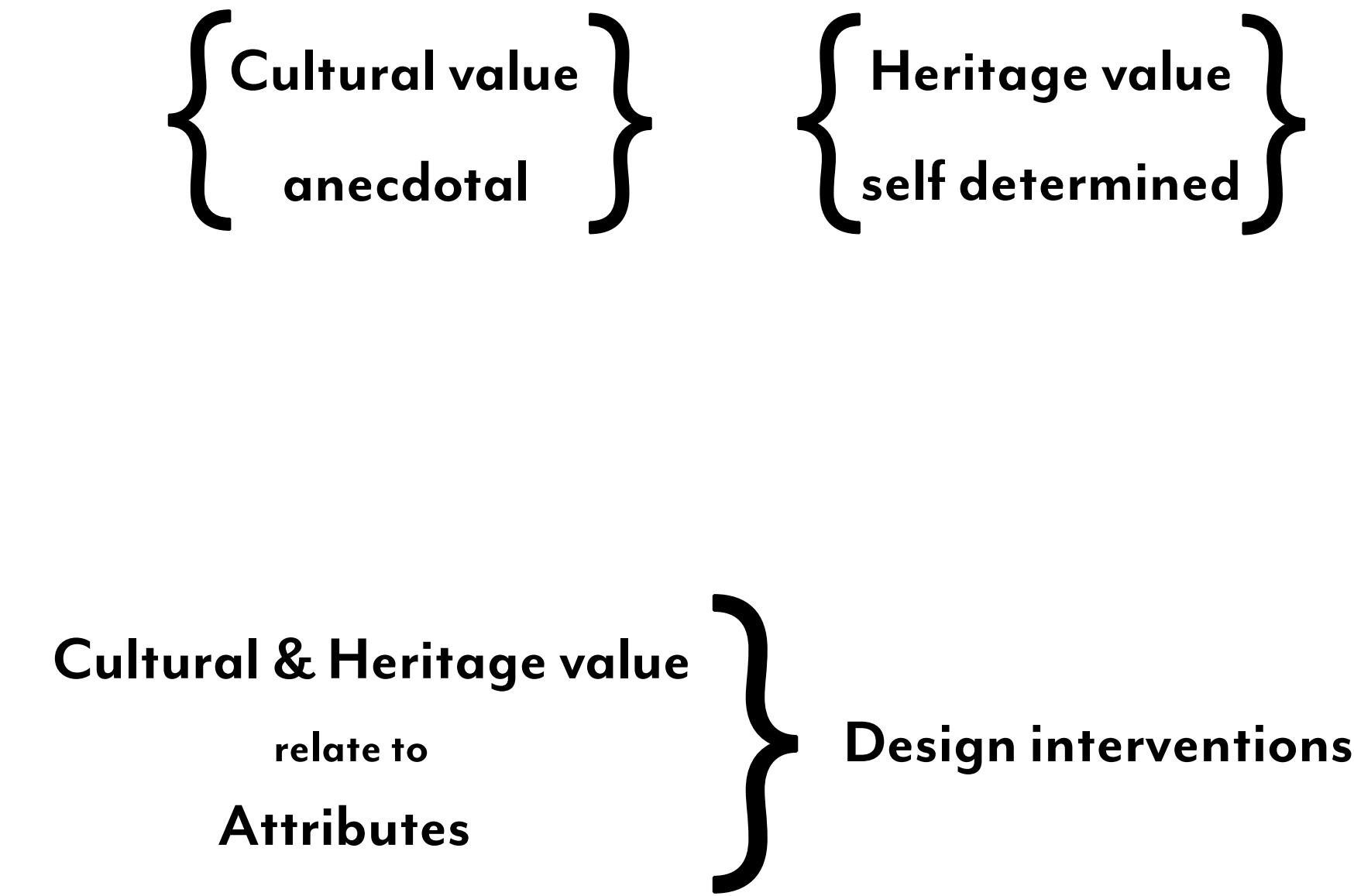
Social

“Securing some given standard of housing at a price or a rent which does not impose, in the eyes some third party, an unreasonable burden on household income.” (MacLennan and Williams, 1990, p. 9)

“Households should be able to occupy housing that meets well-established norm of adequacy at a net rent which leaves them with enough income to live on without falling below some poverty standard.” (Bramley, 1990b, p. 16)

Research

Design strategy



Design

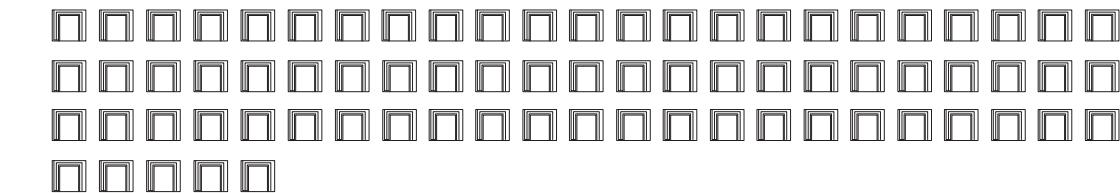
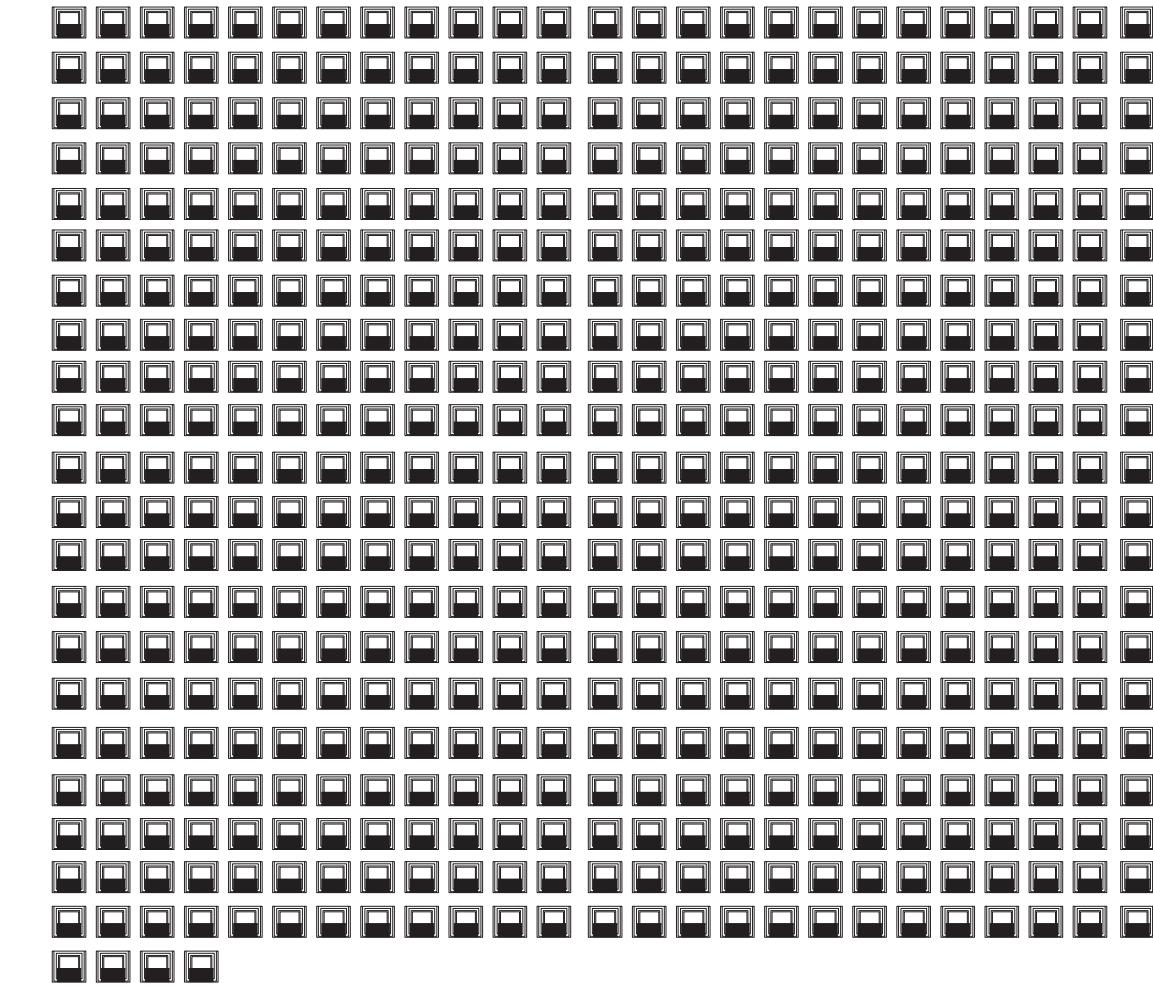
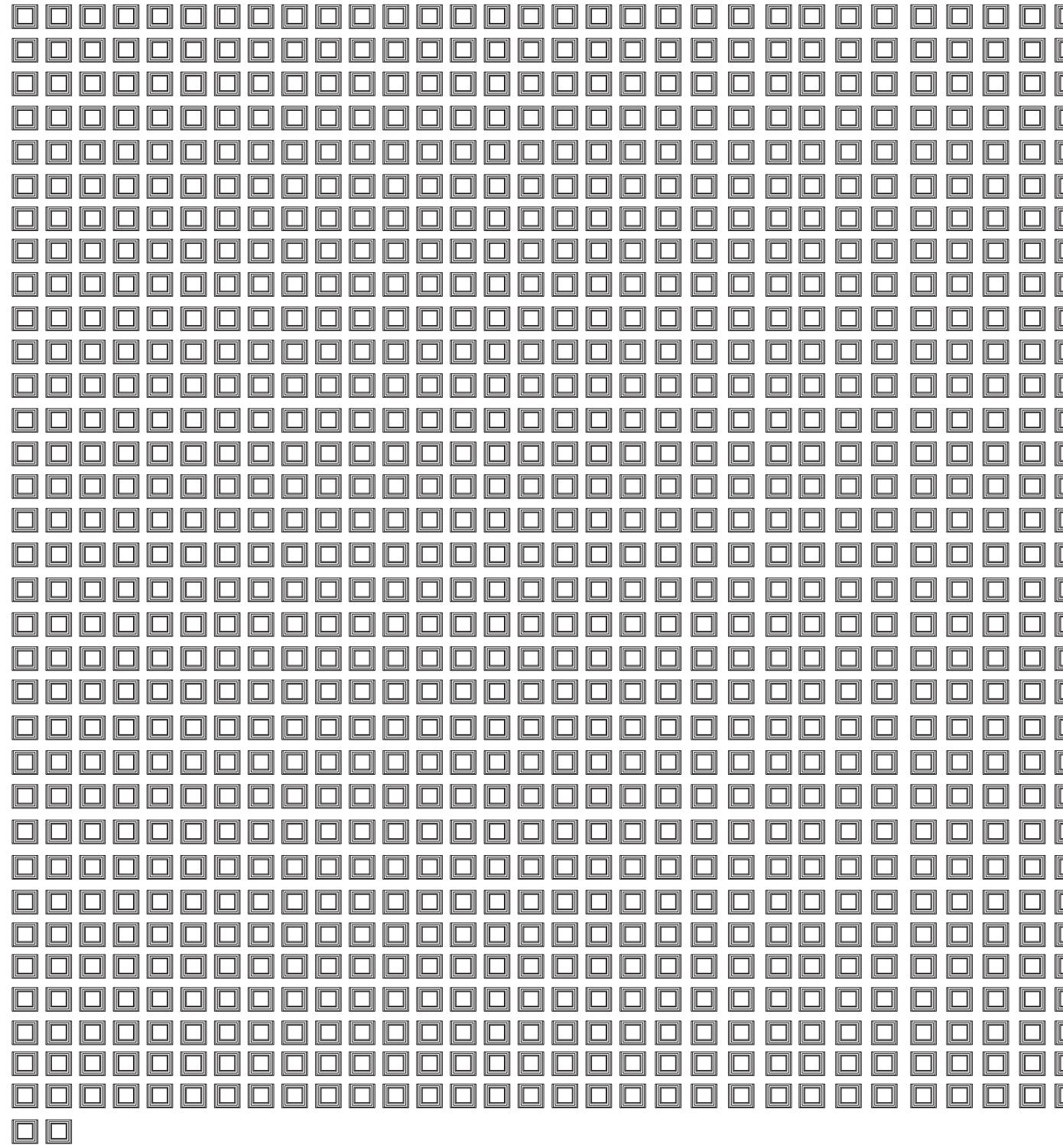
Building analysis



Balcony at Heesterveld, Beeldbank Amsterdam

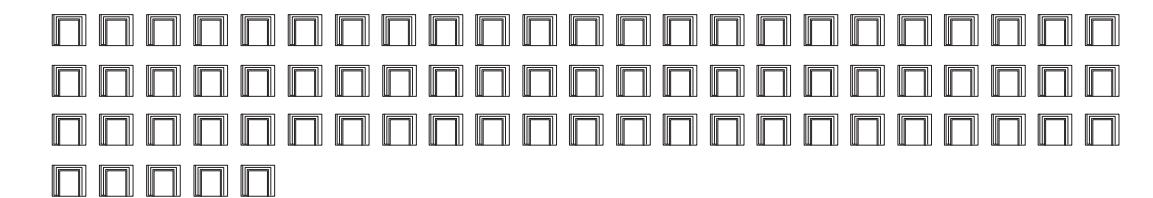
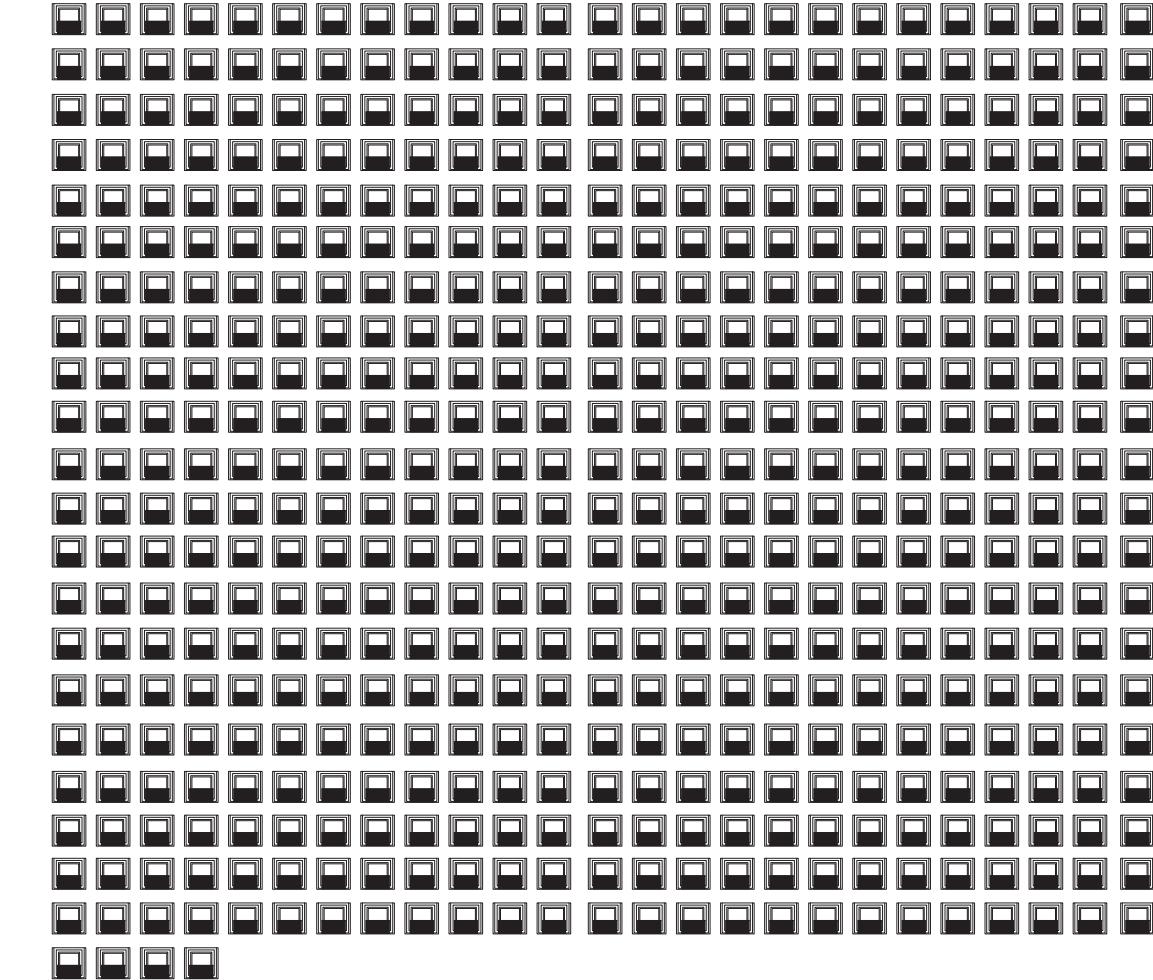
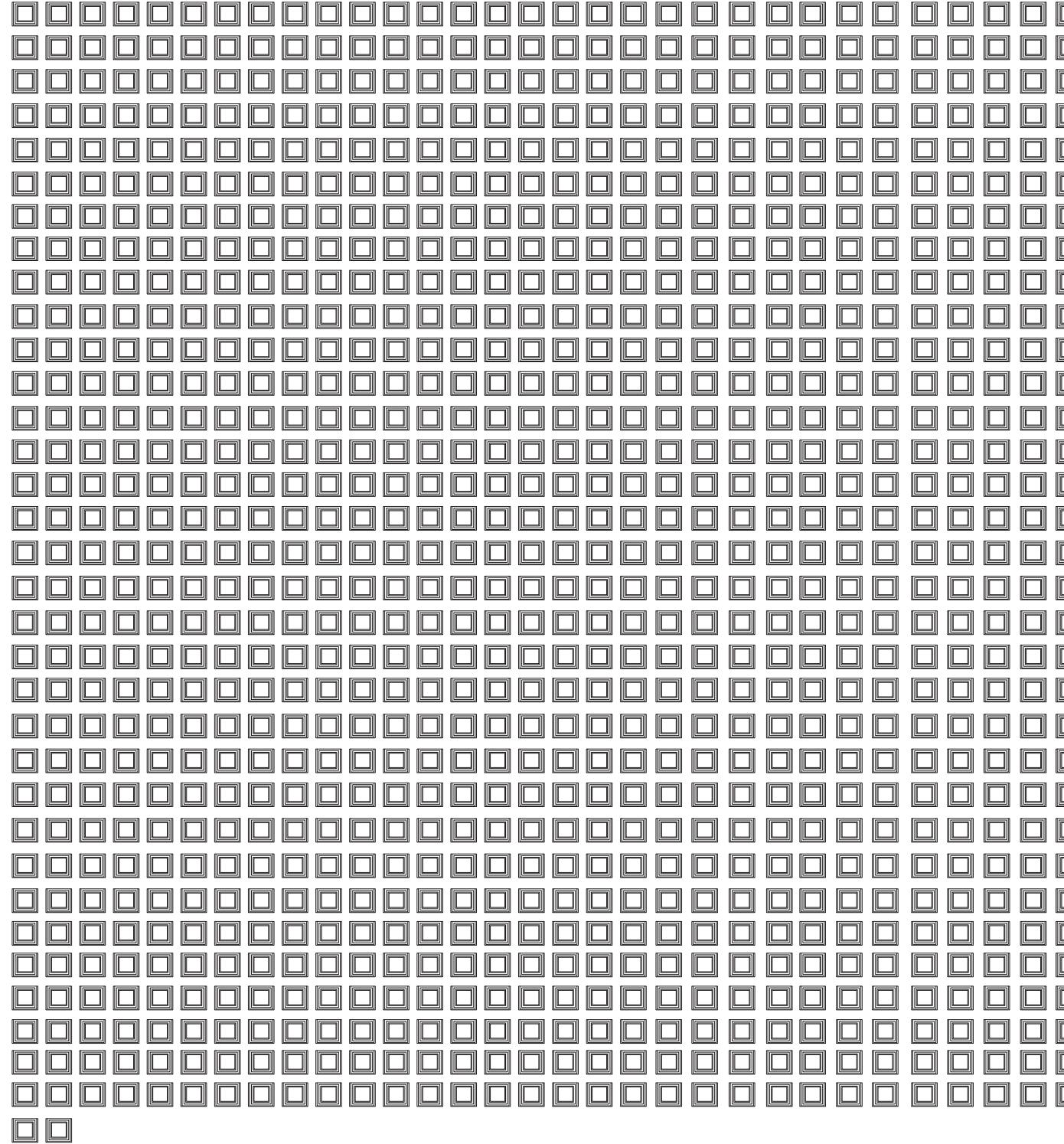
Design

Building analysis



Design

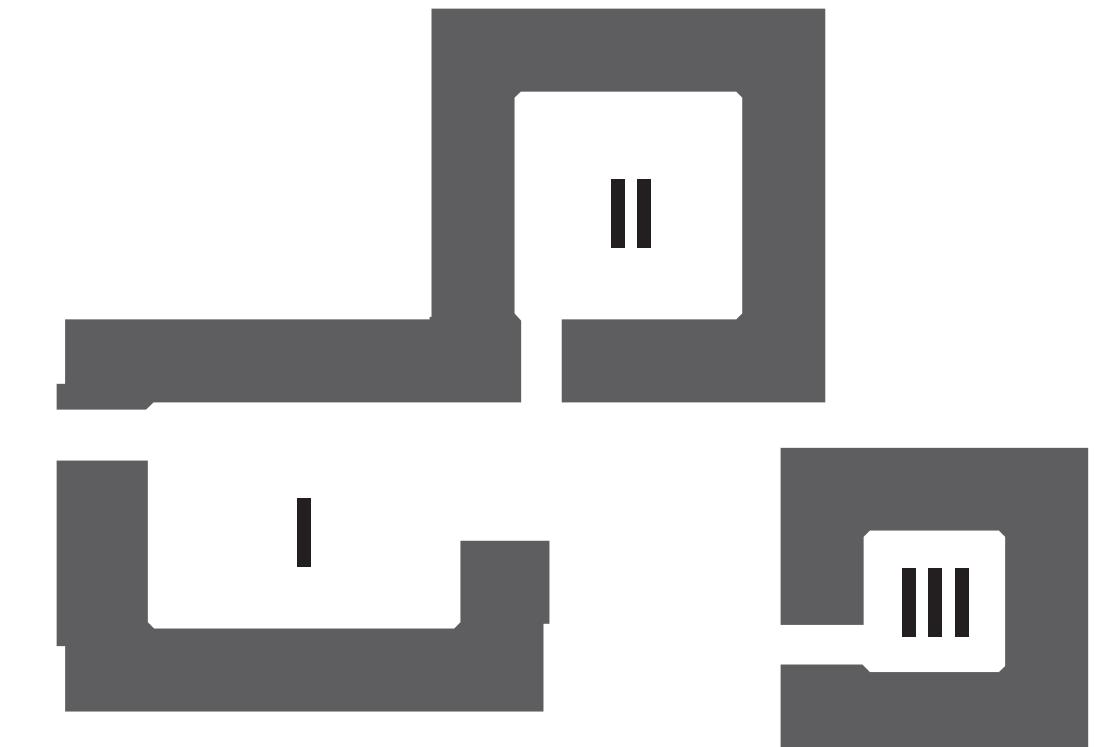
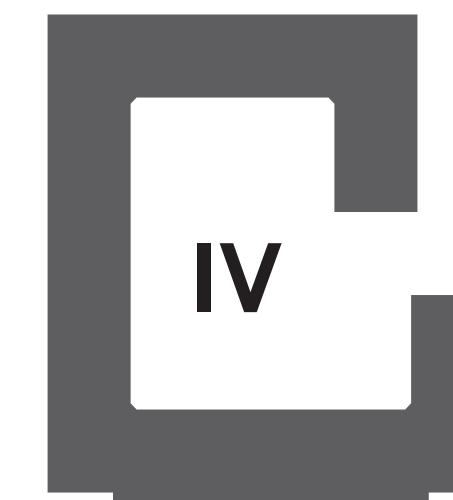
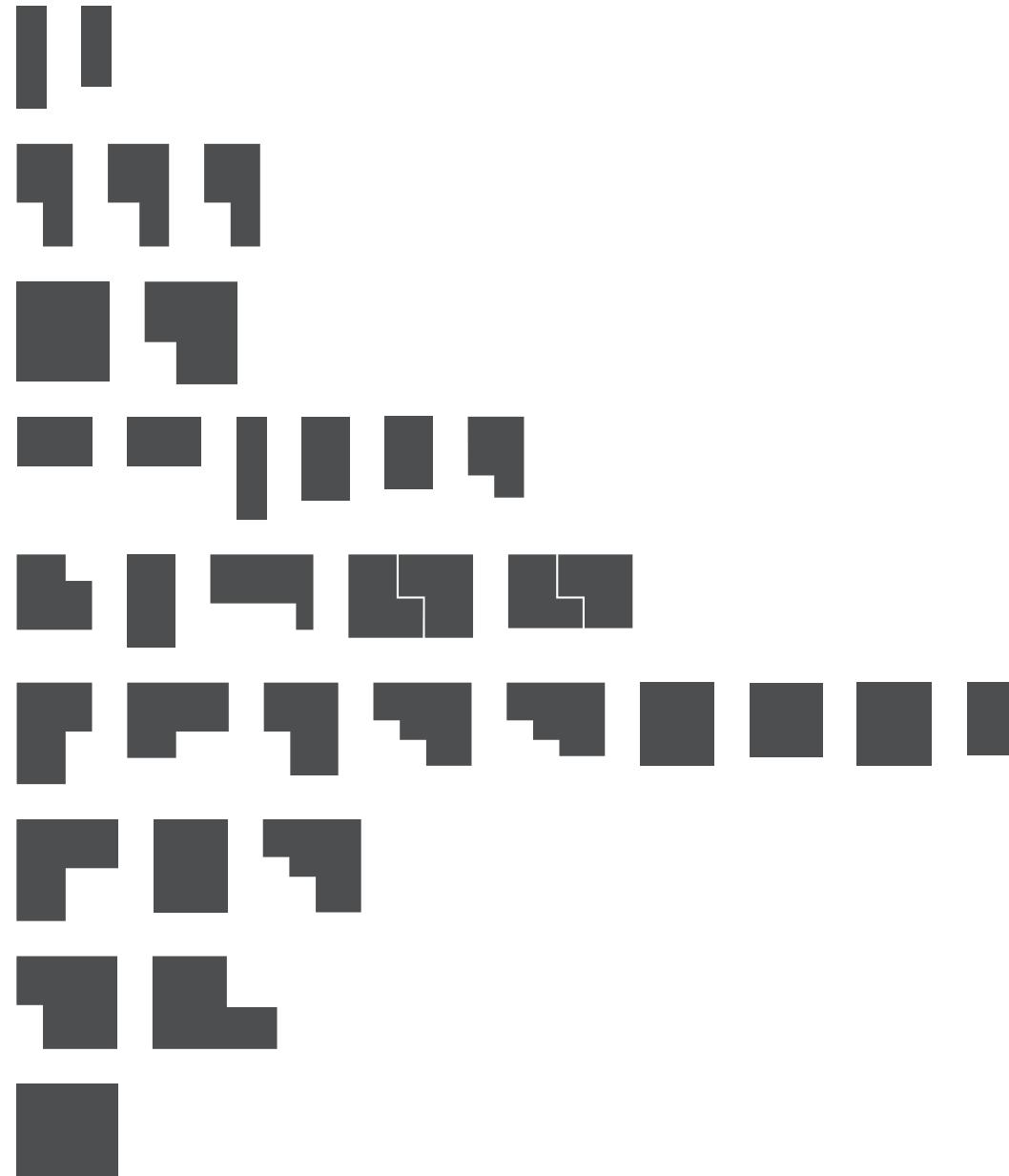
Building analysis



390t CO₂

Design

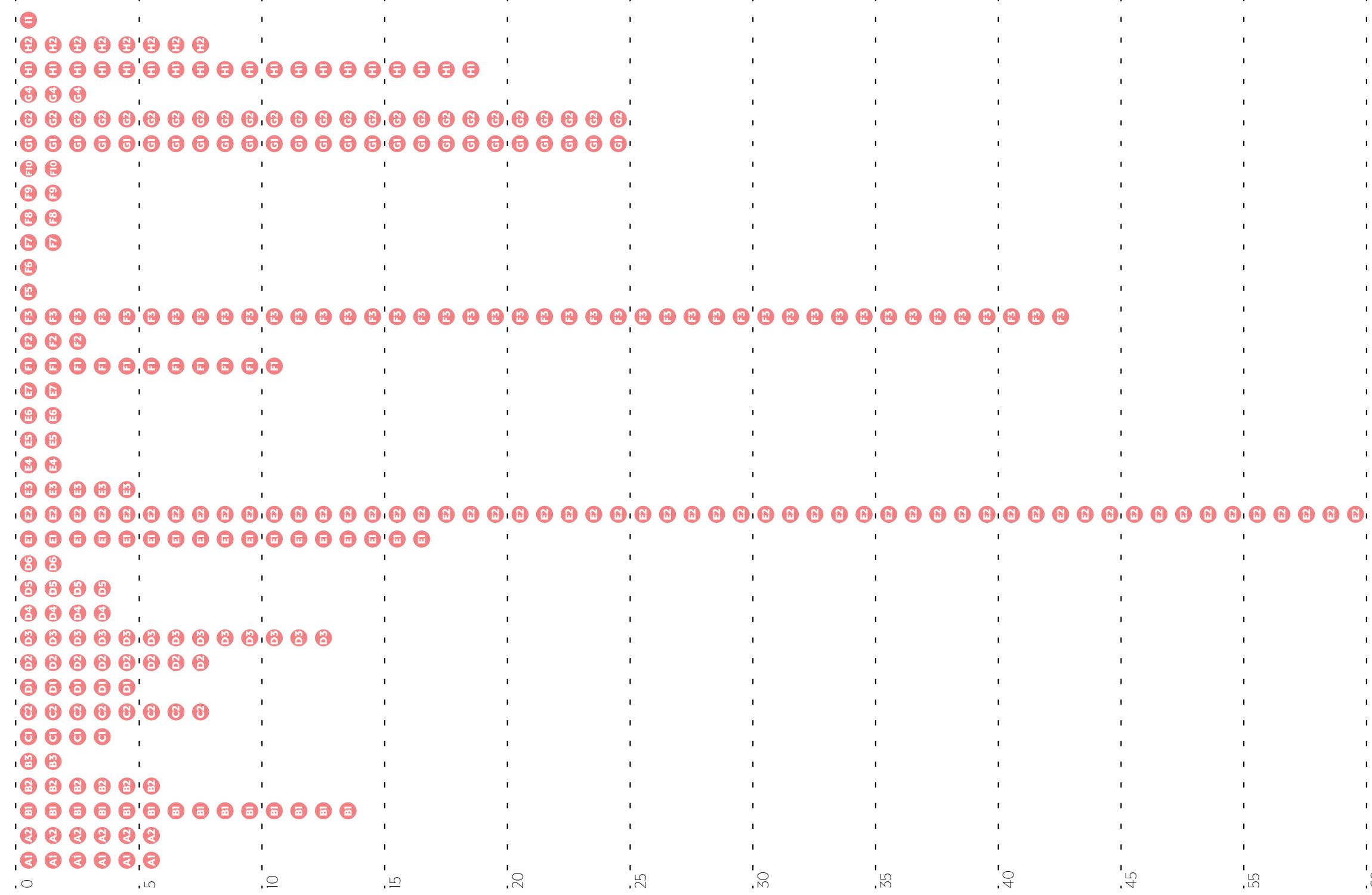
Building analysis



35 dwelling types

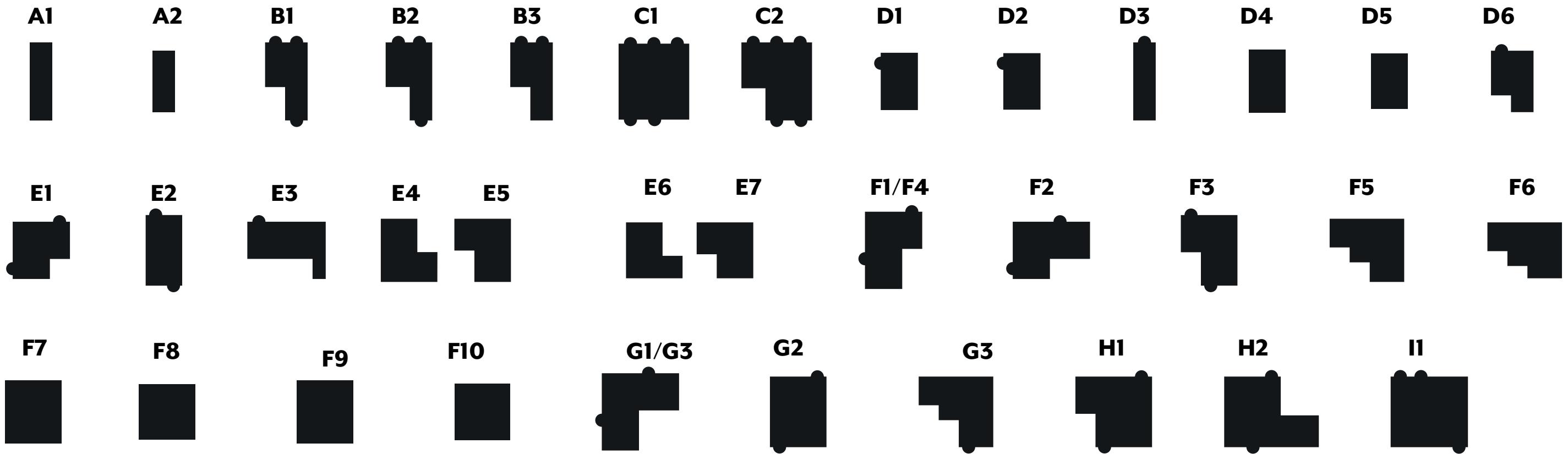
Design

Building analysis



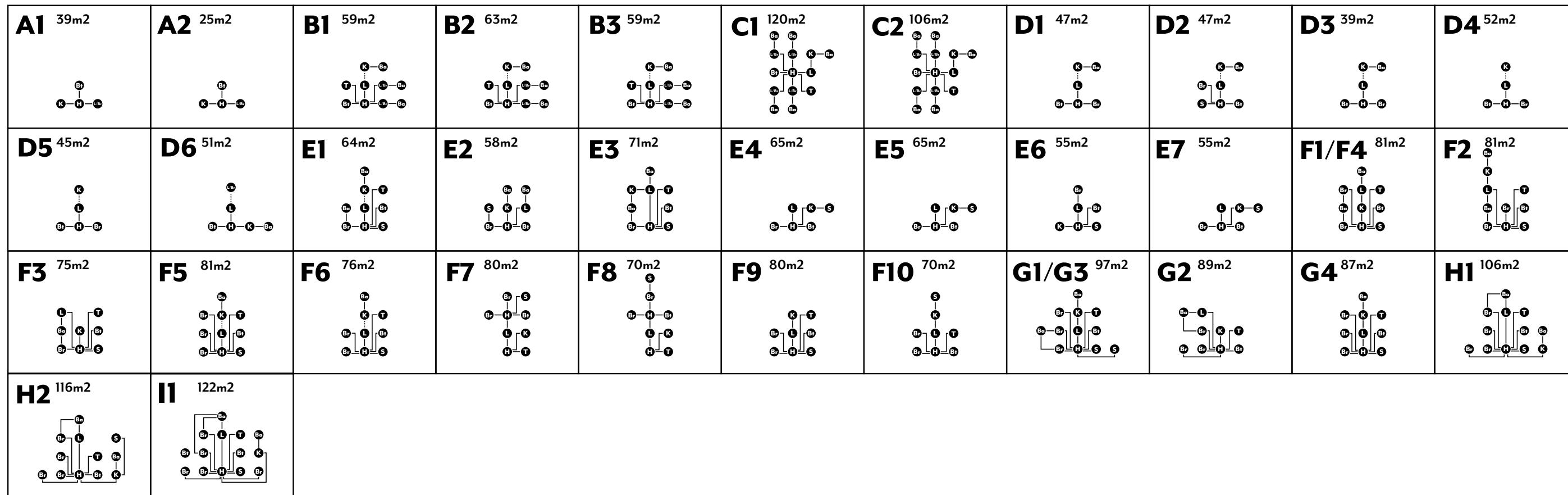
Design

Building analysis



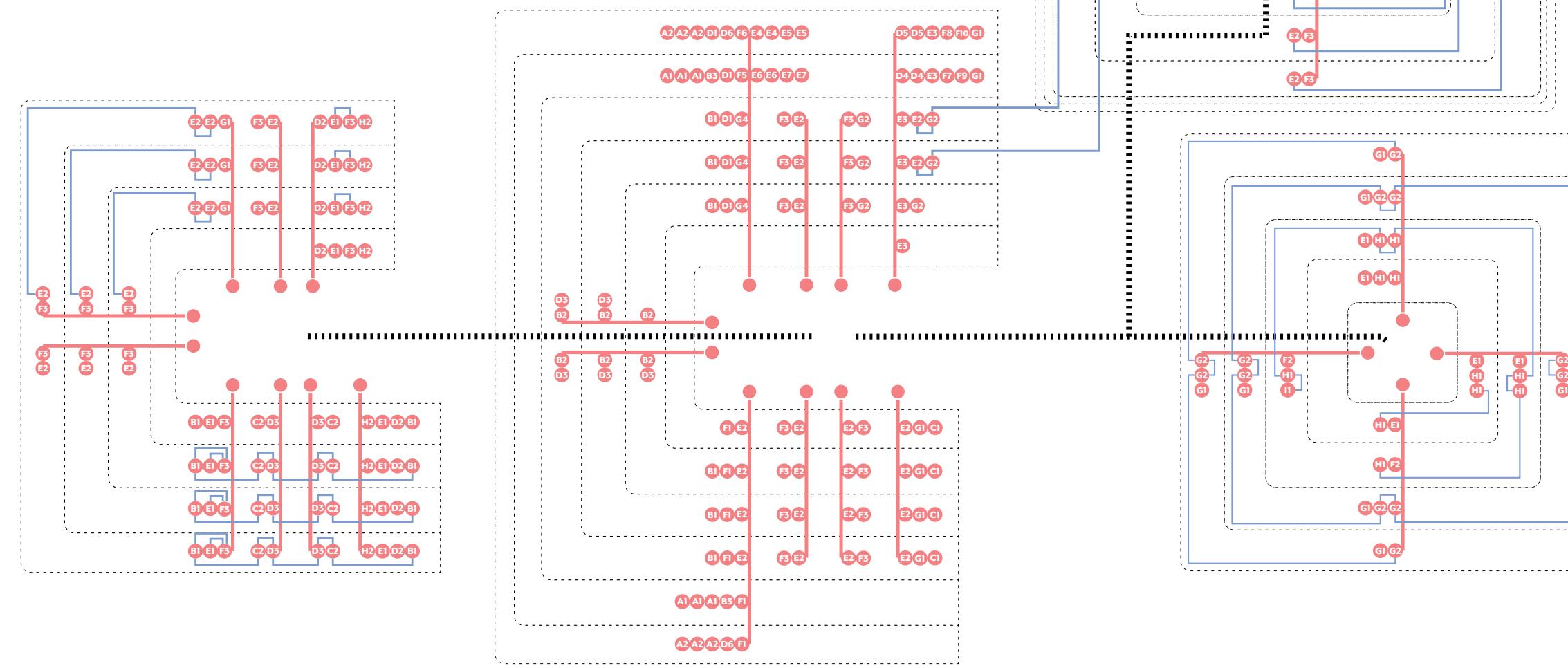
Design

Building analysis



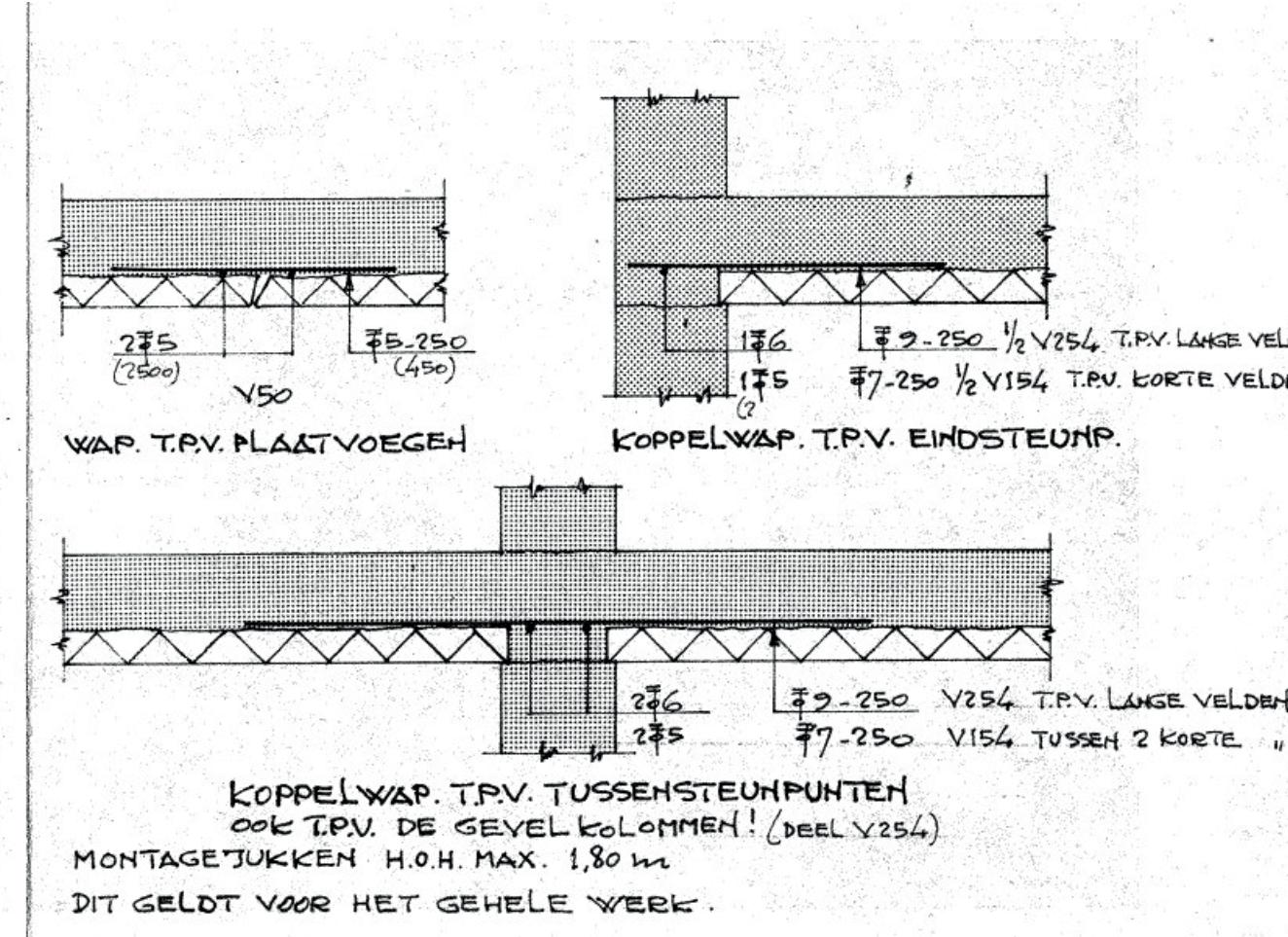
Design

Building analysis



Design

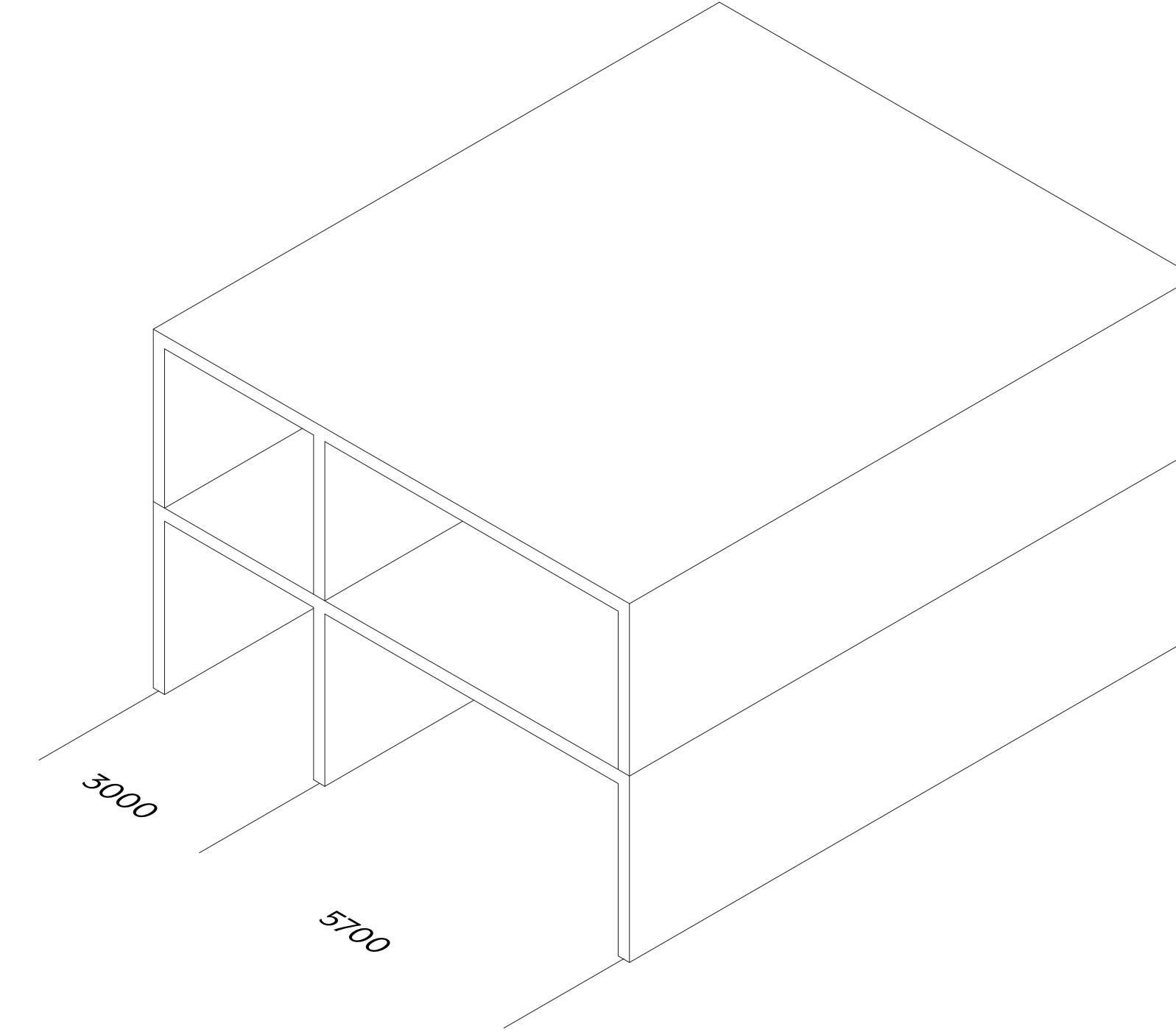
Building analysis



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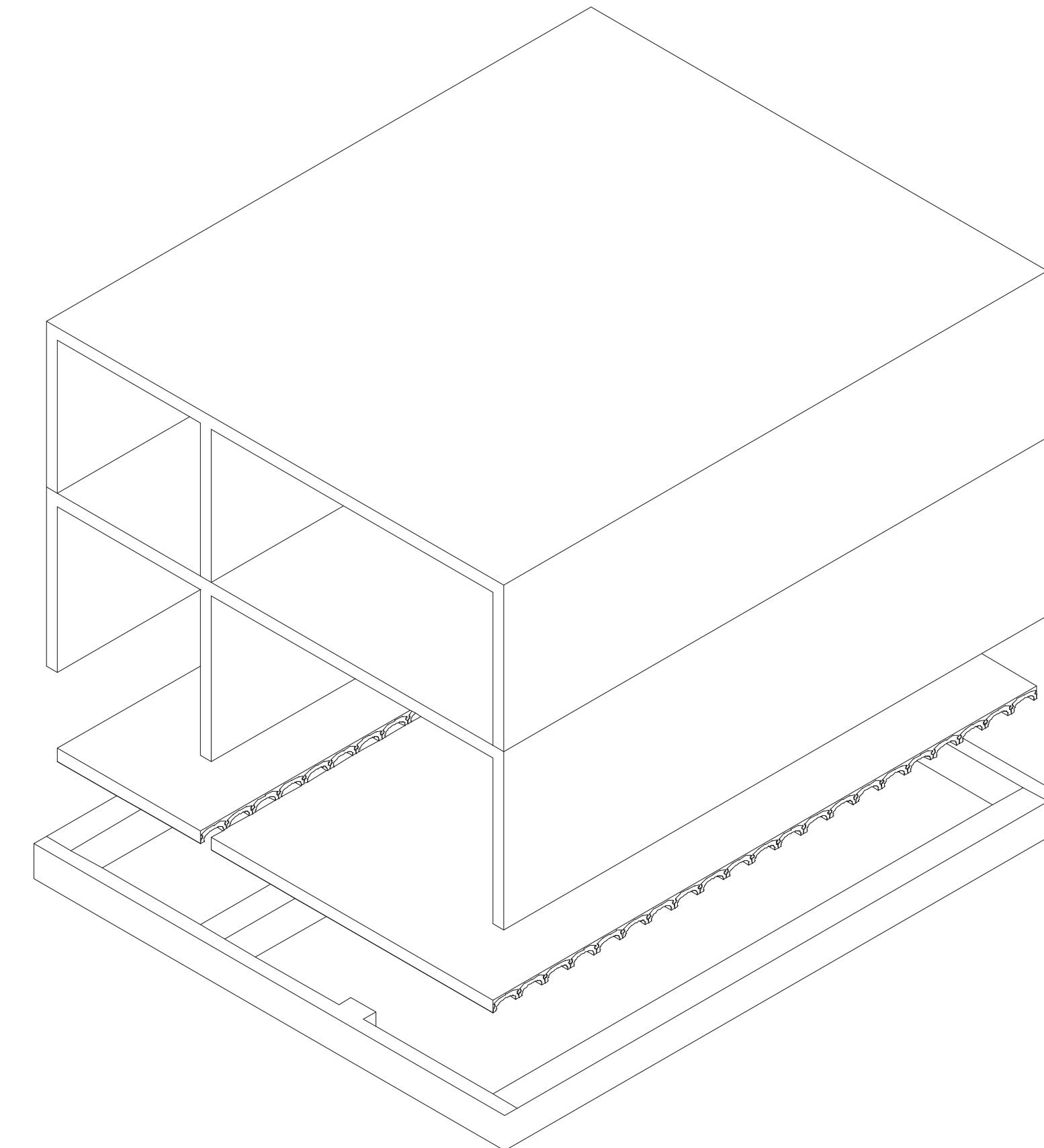
Design

Building analysis



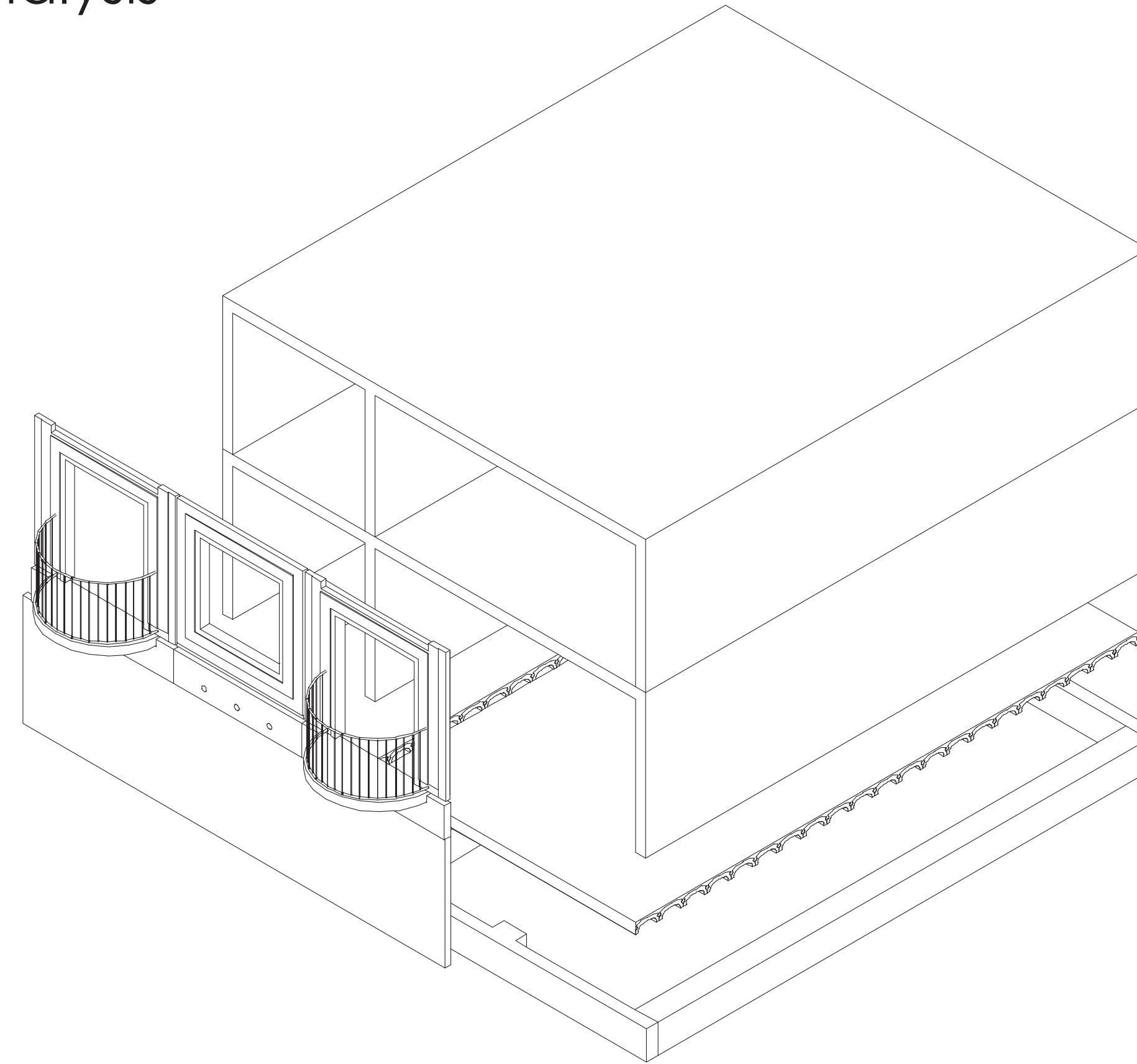
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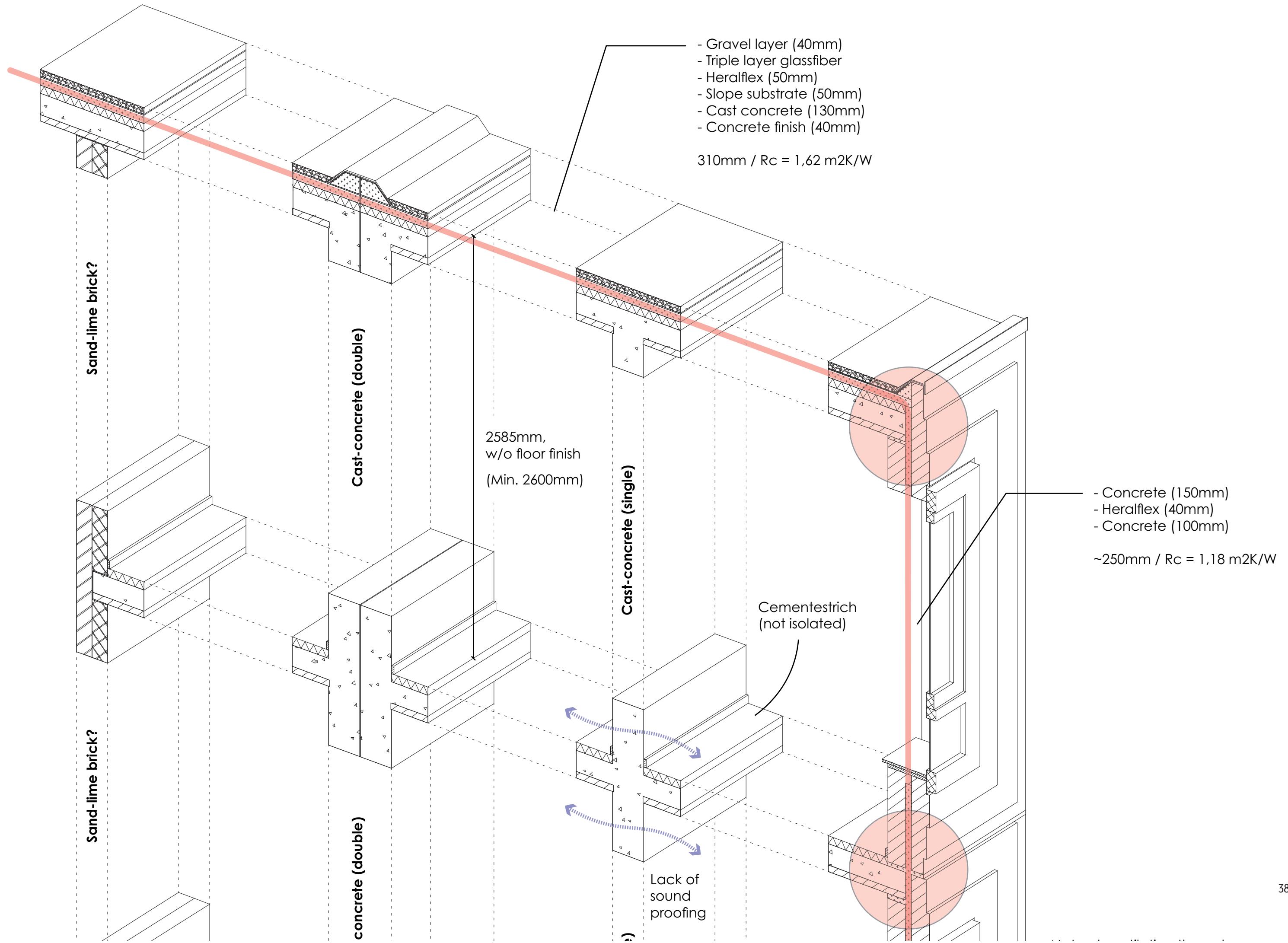
Building analysis

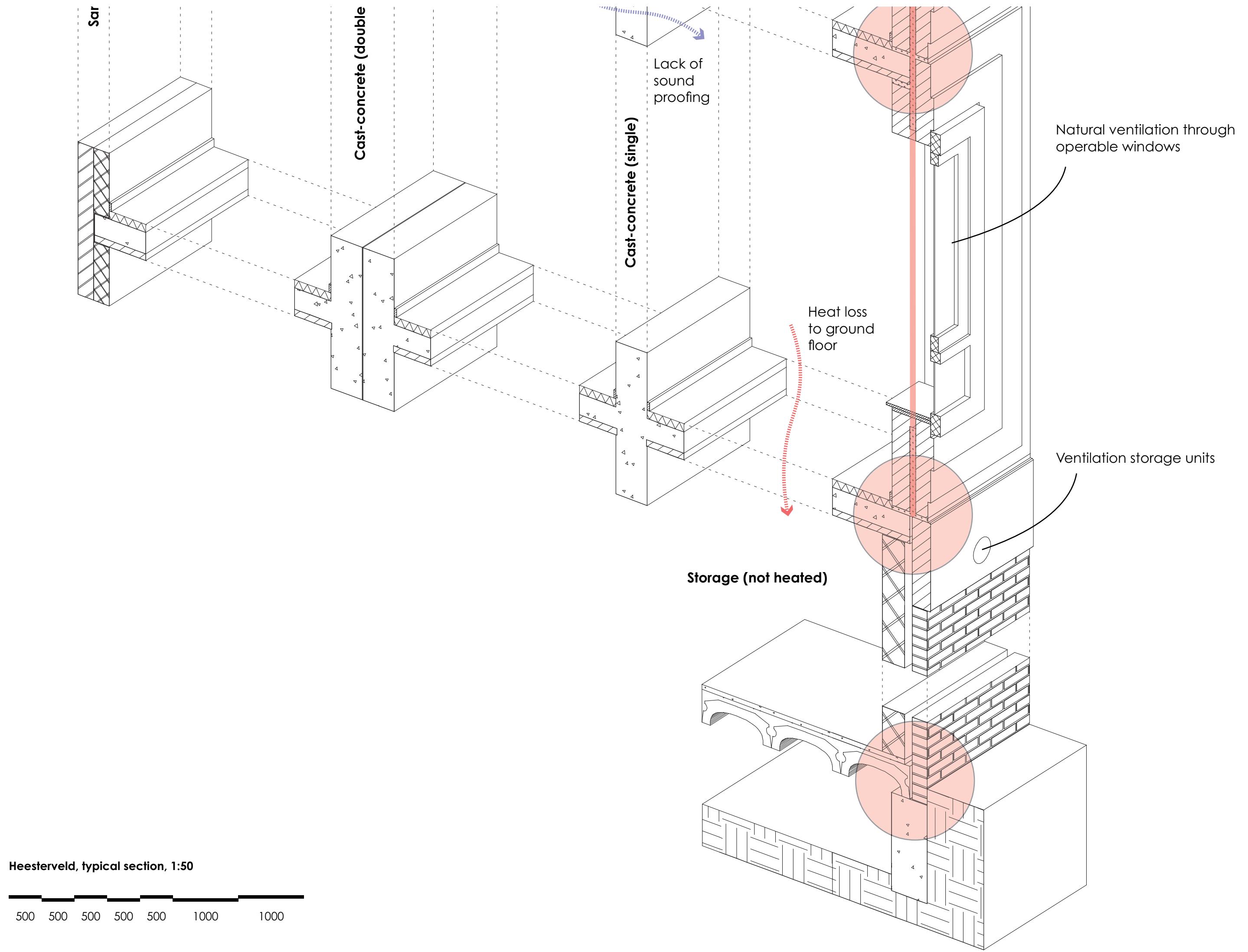


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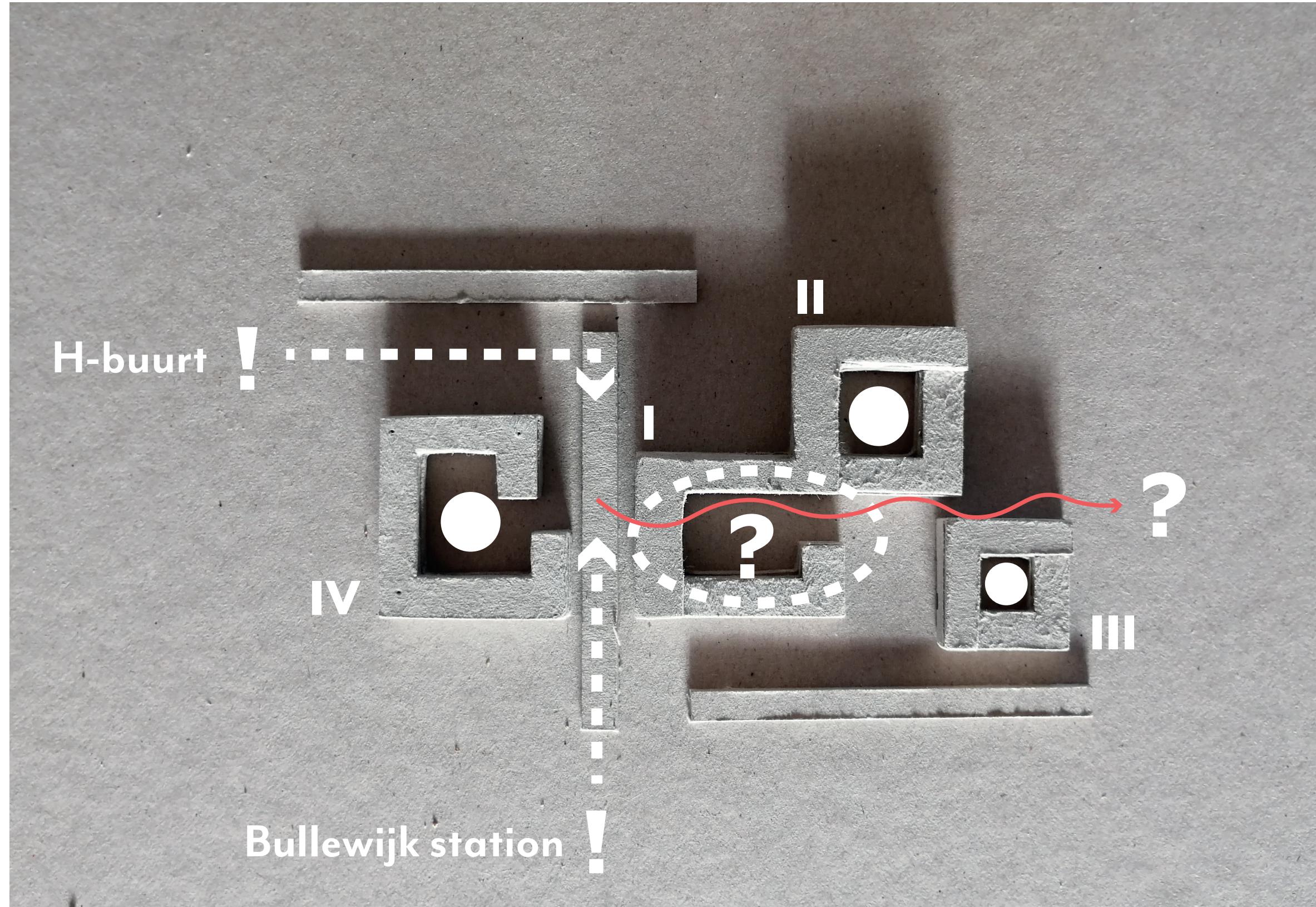
Building analysis





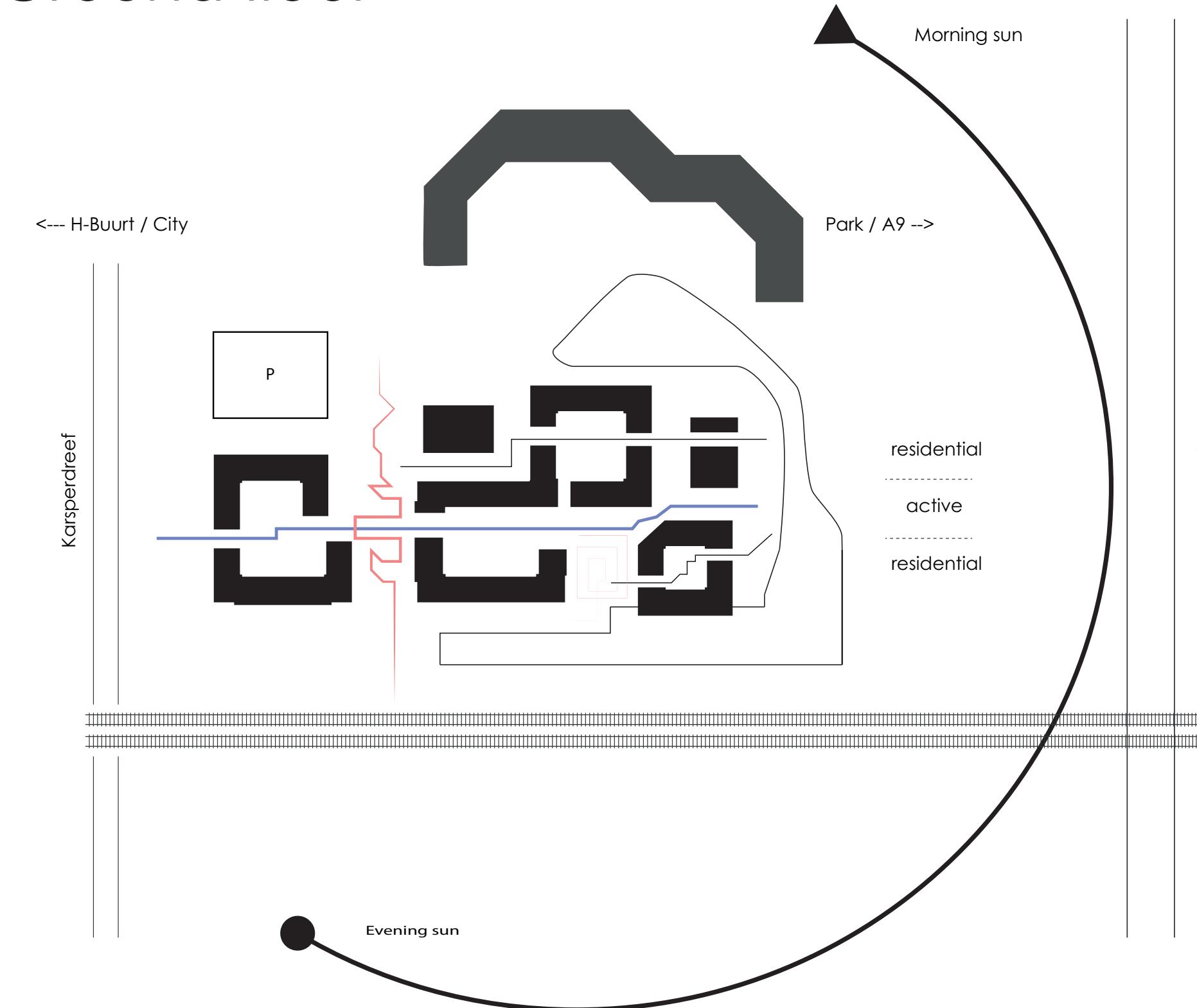


Design Principles

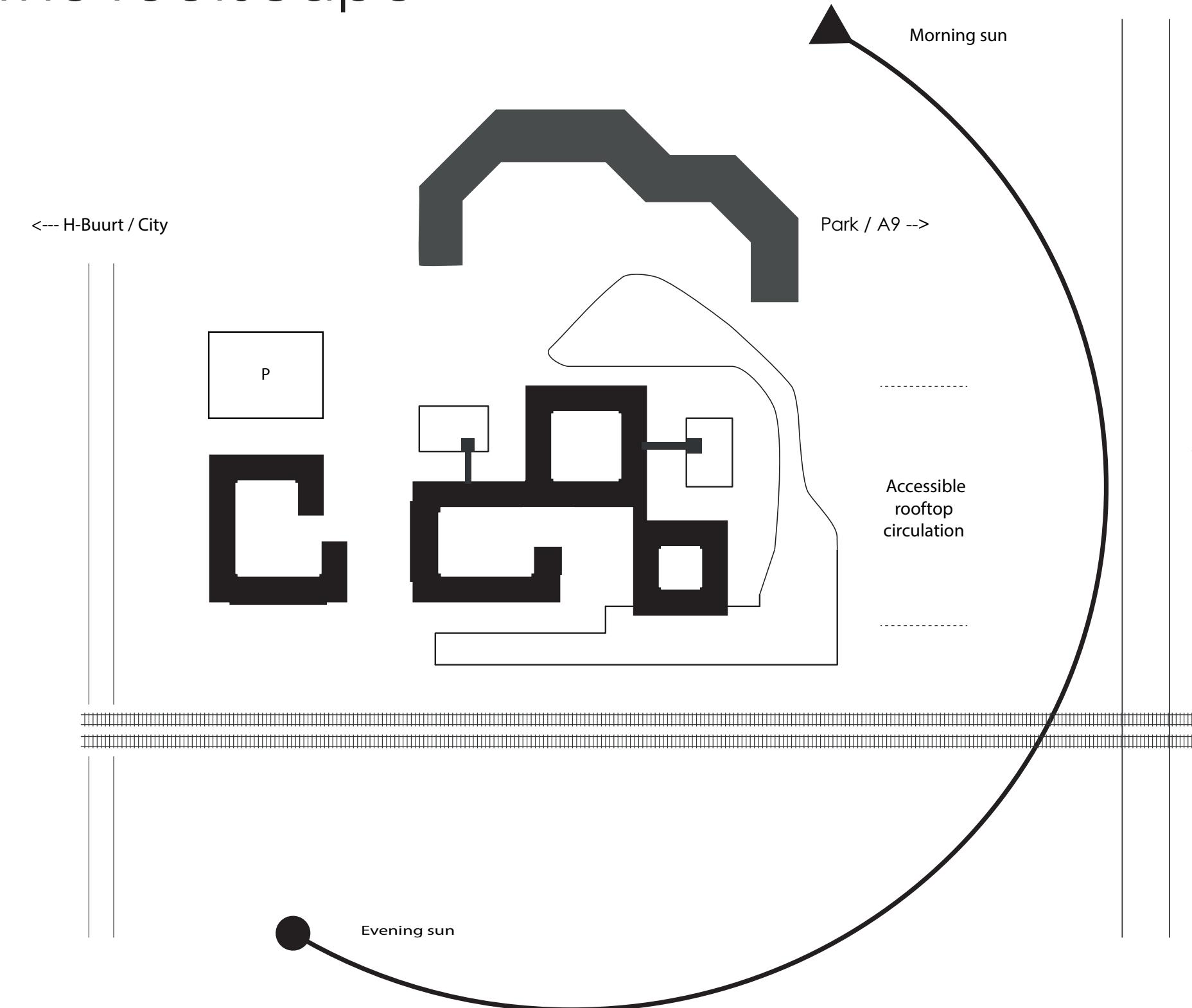


Bullewijk station !

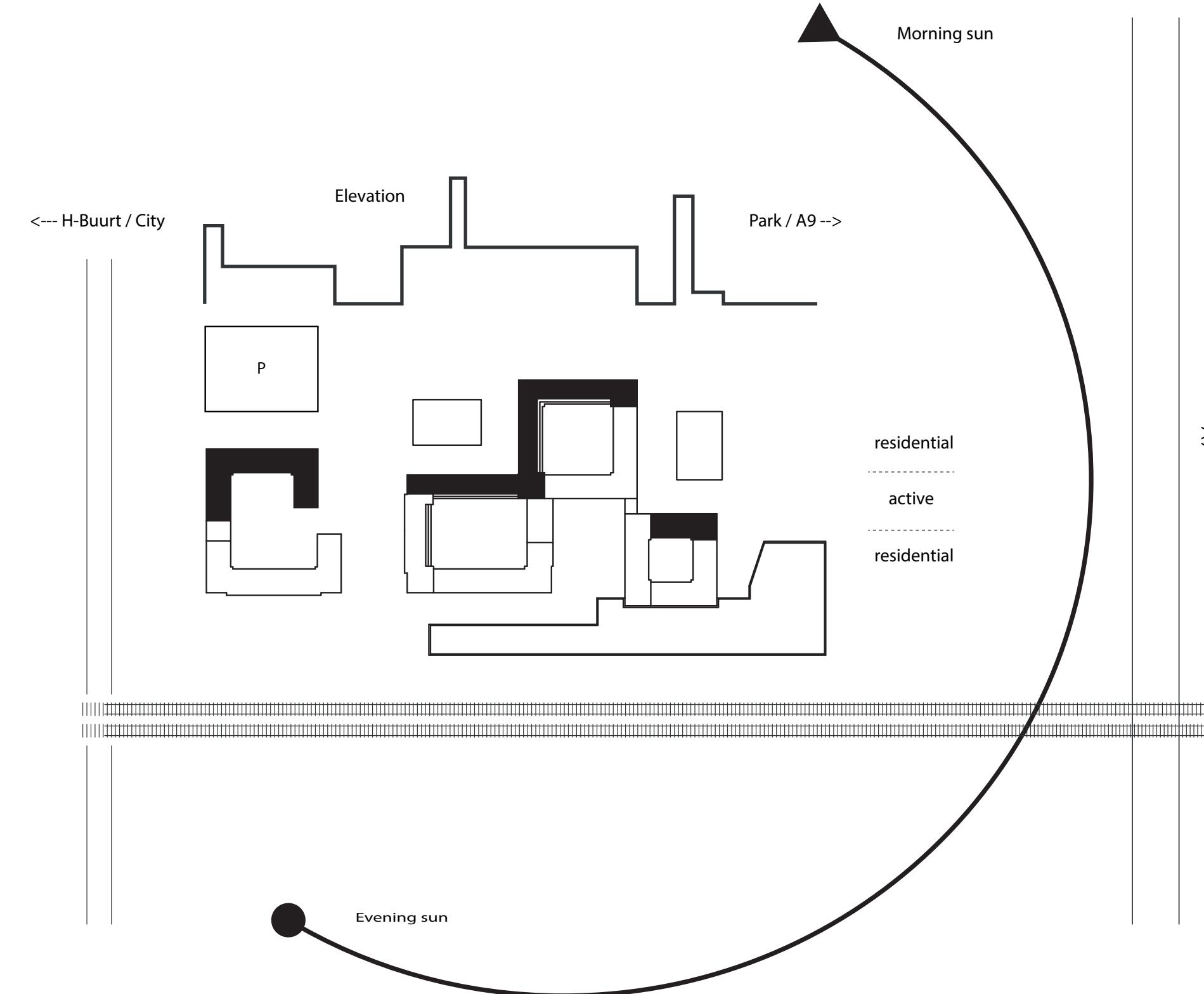
Design Principles / Ground floor



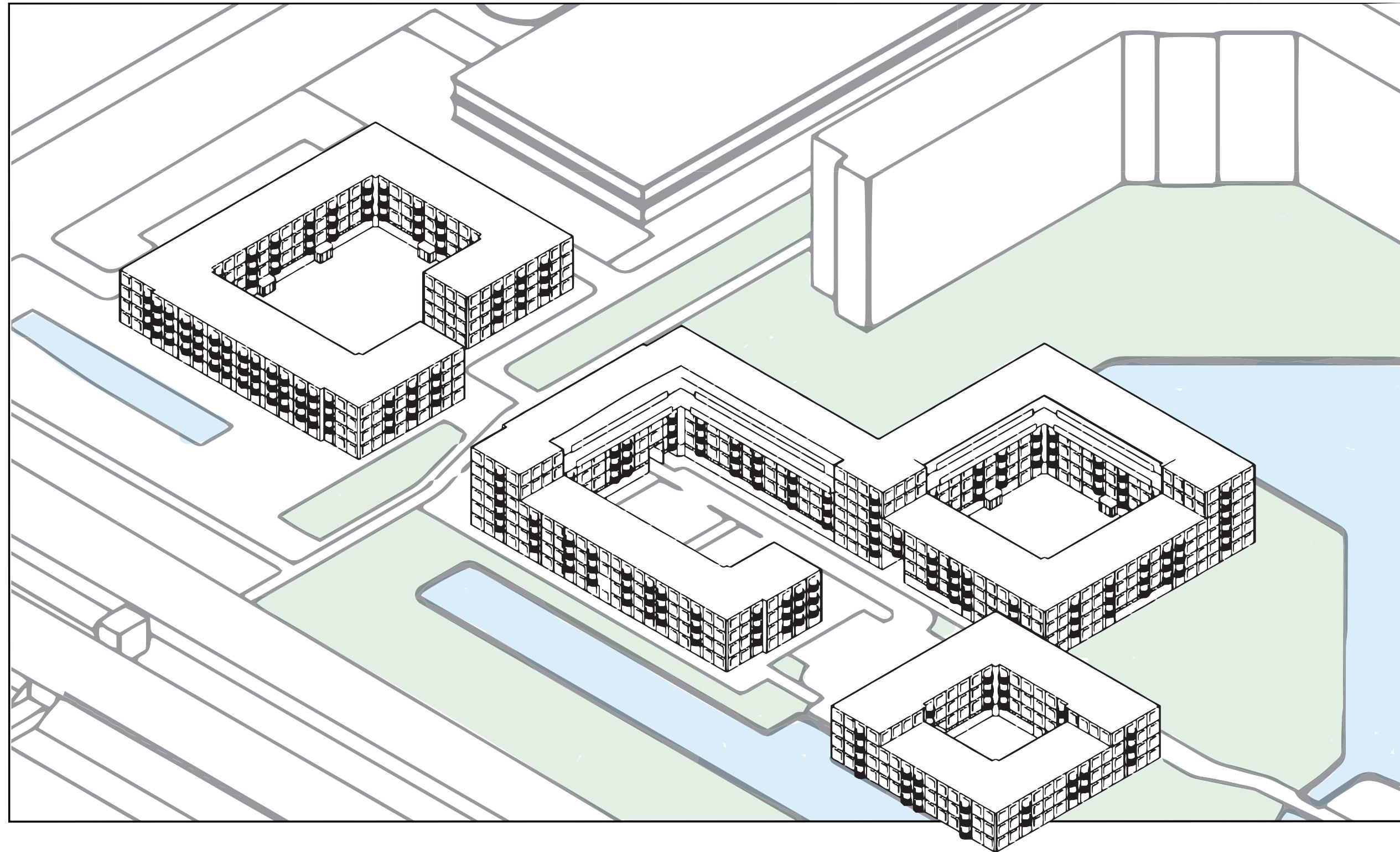
Design Principles / The roofscape



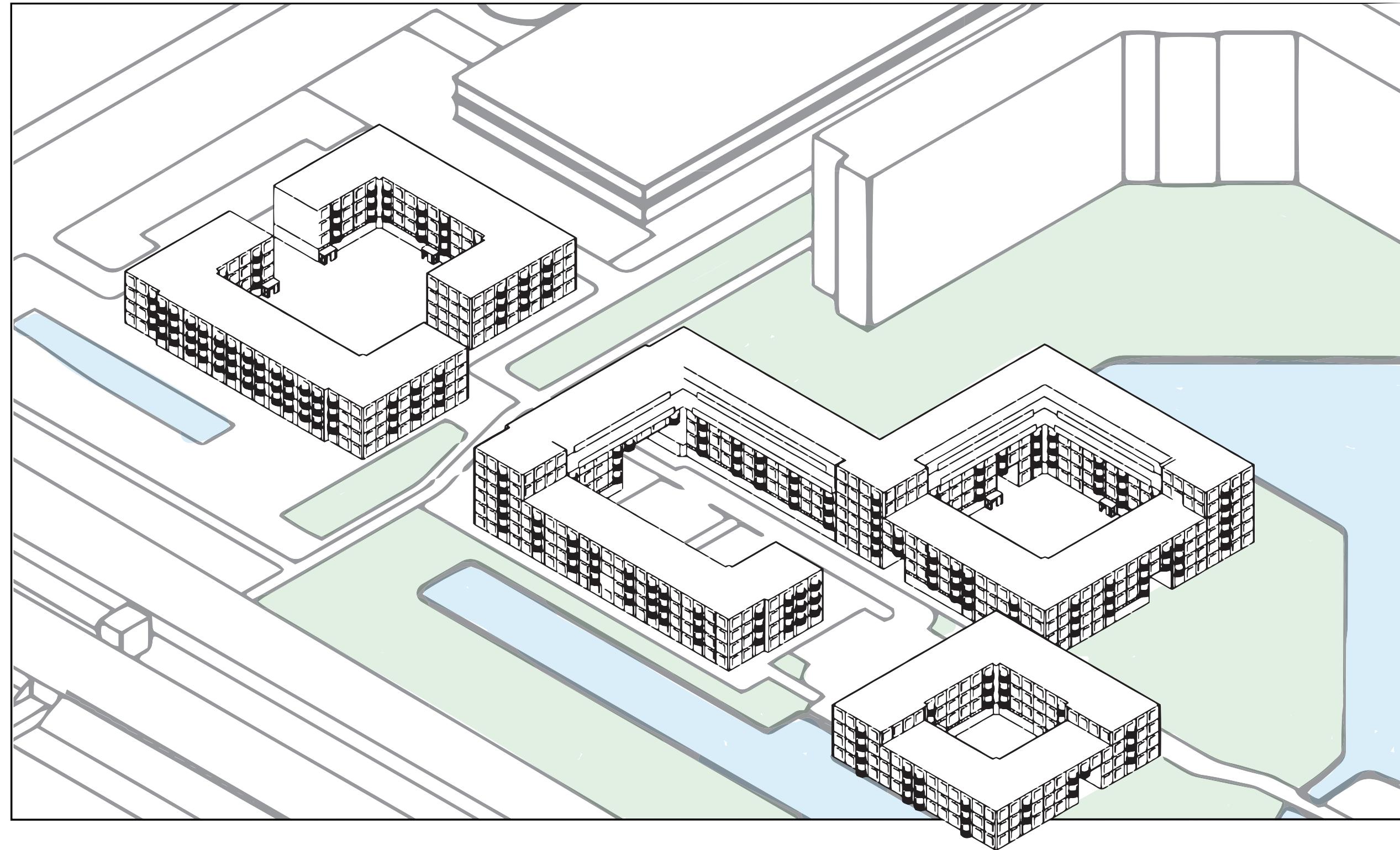
Design Principles / Densification



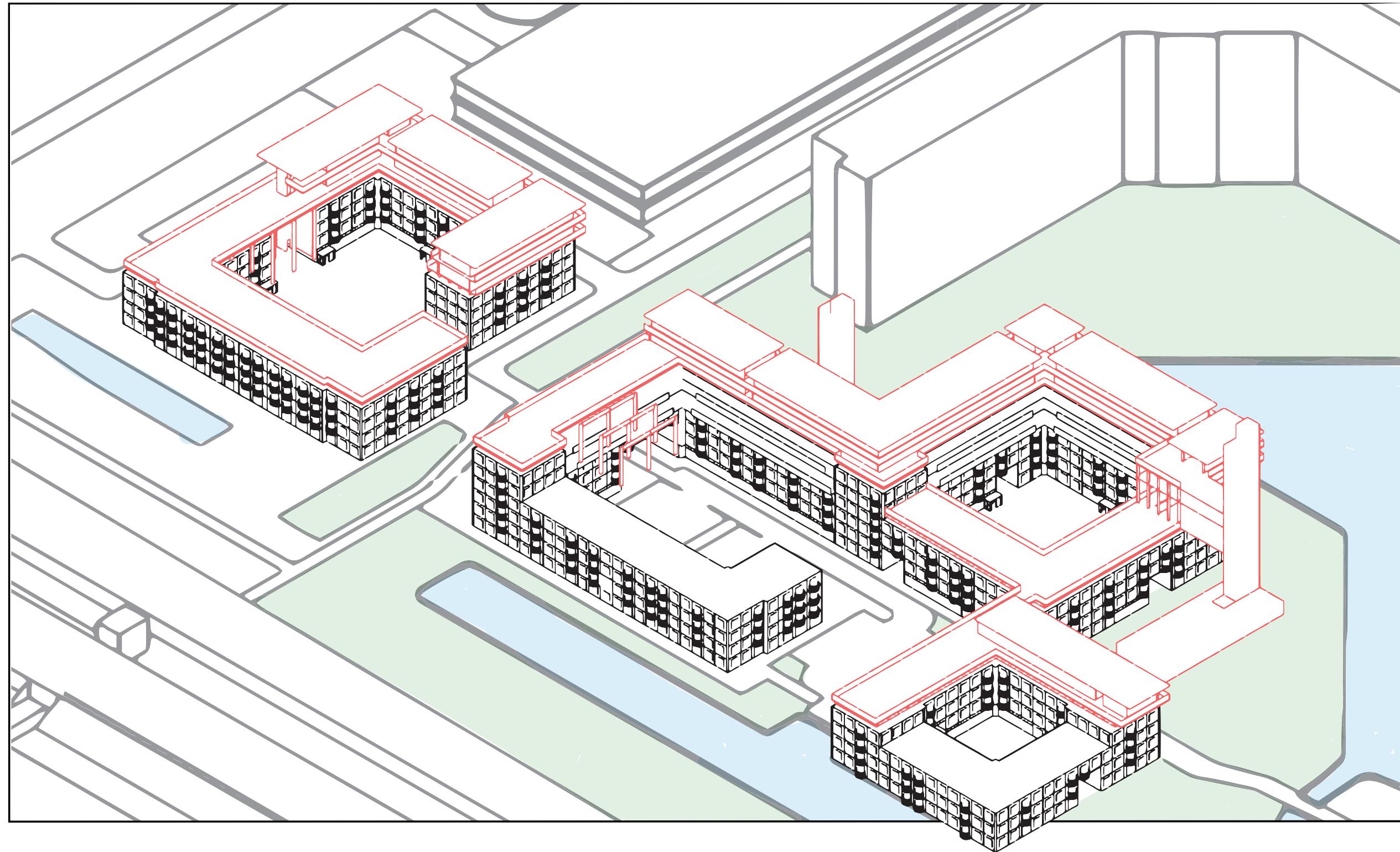
Design Principles



Design Principles



Design Principles



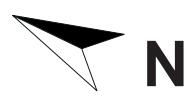
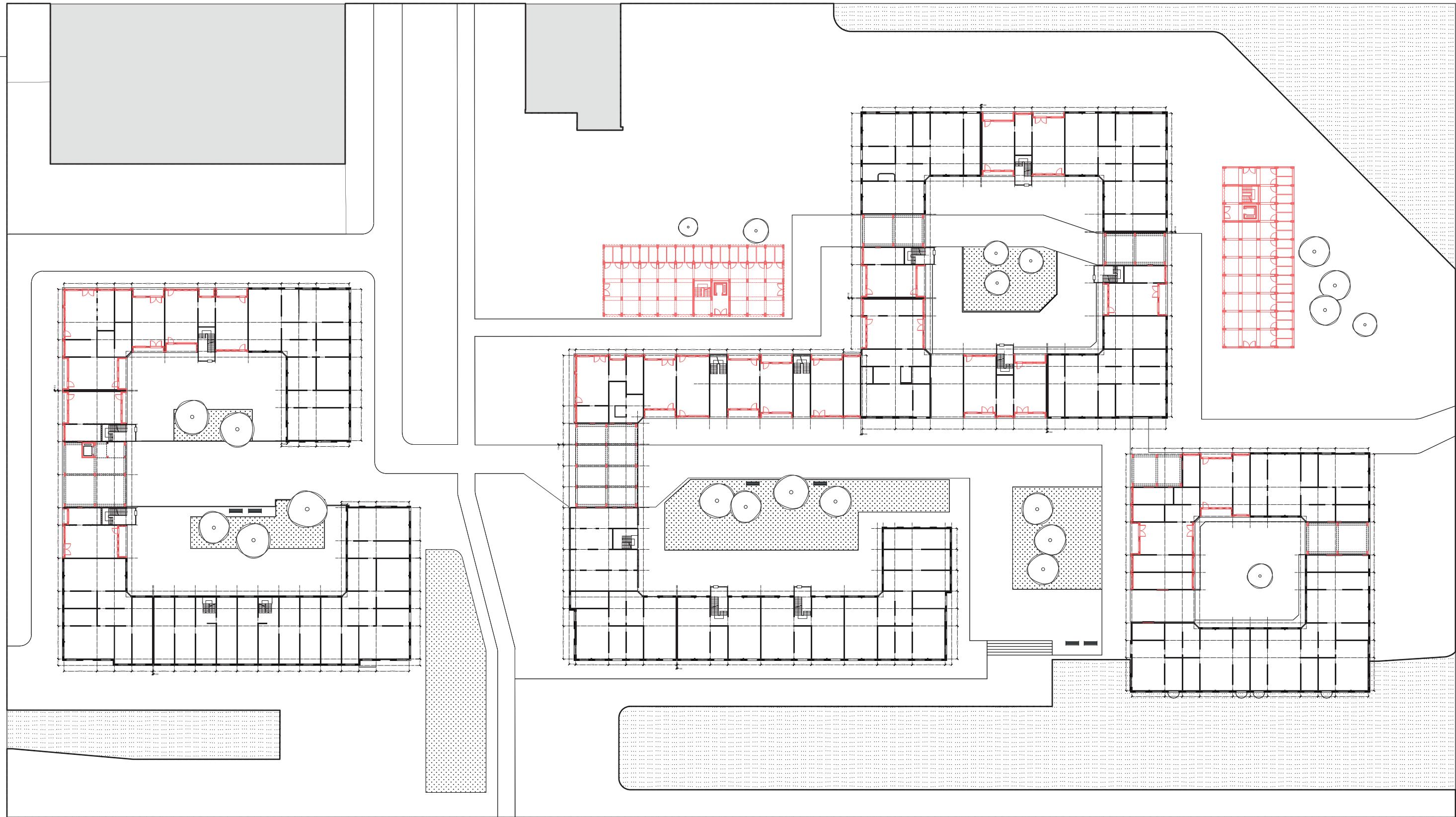
Design

Life on the ground



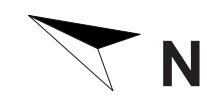
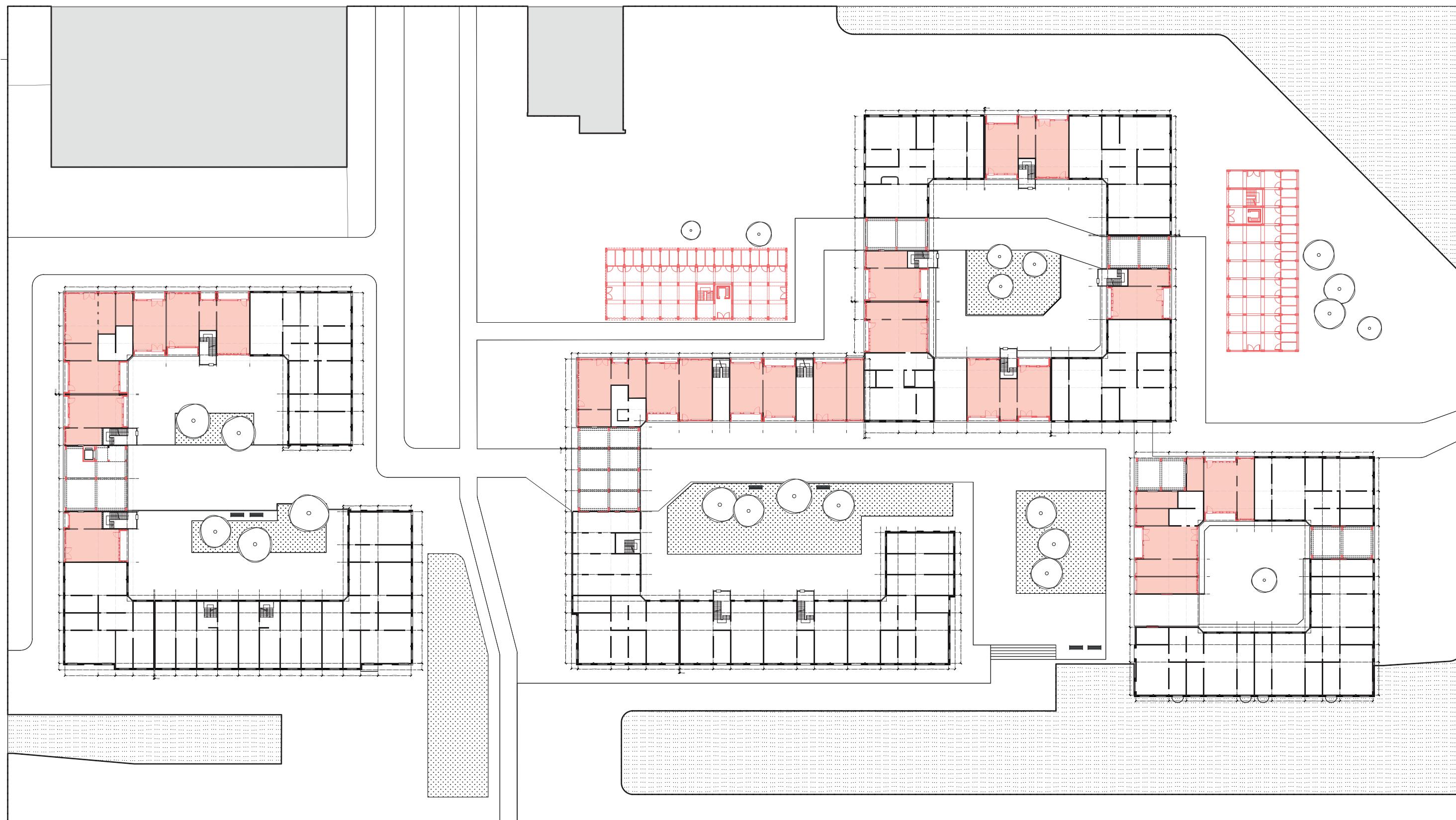
Design

Life on the ground



Design

Life on the ground



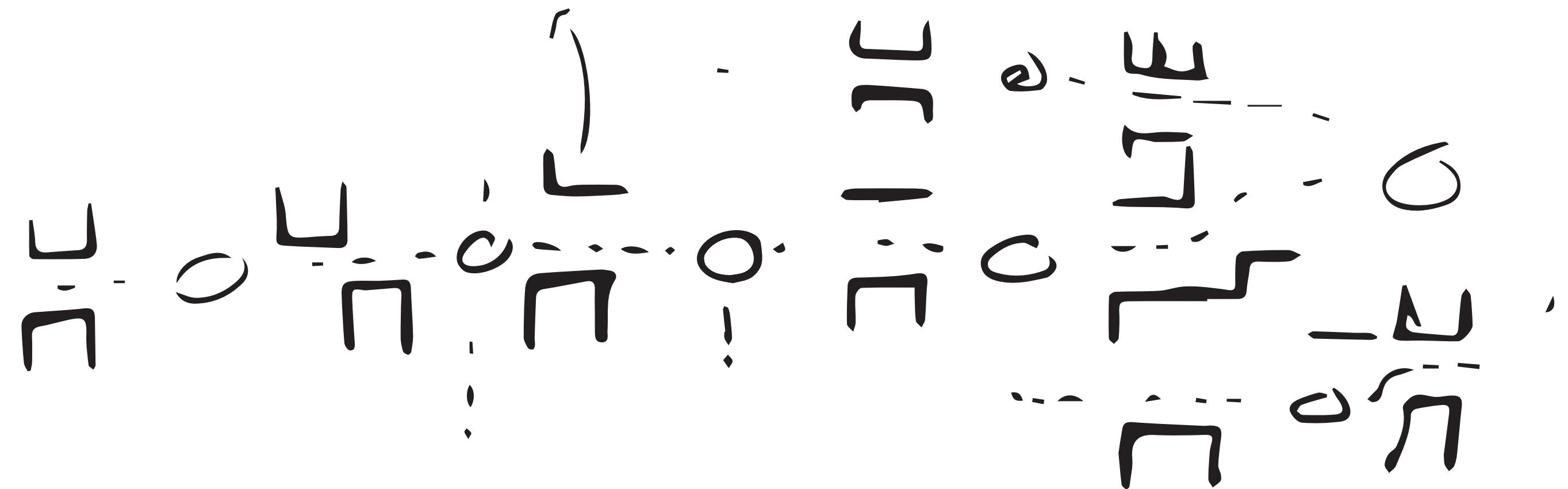
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Life on the ground



Design

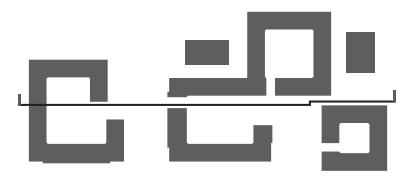
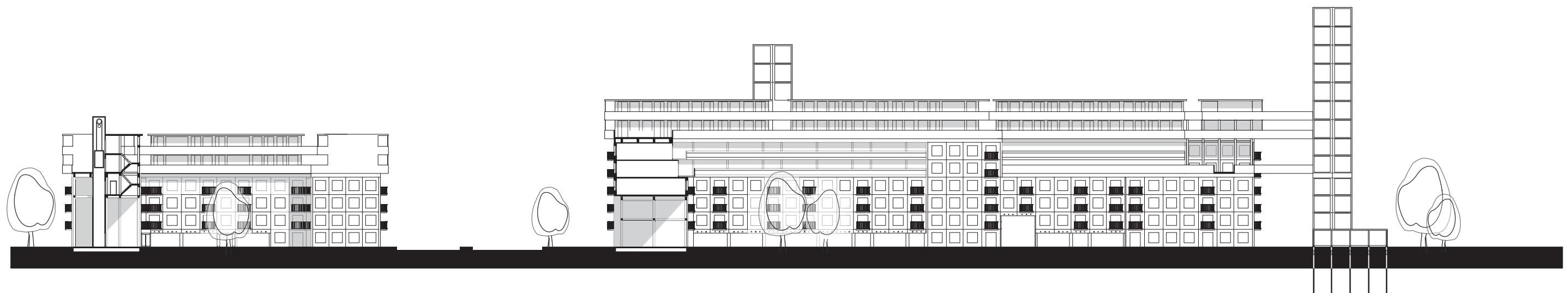
Life on the ground



A series of gates

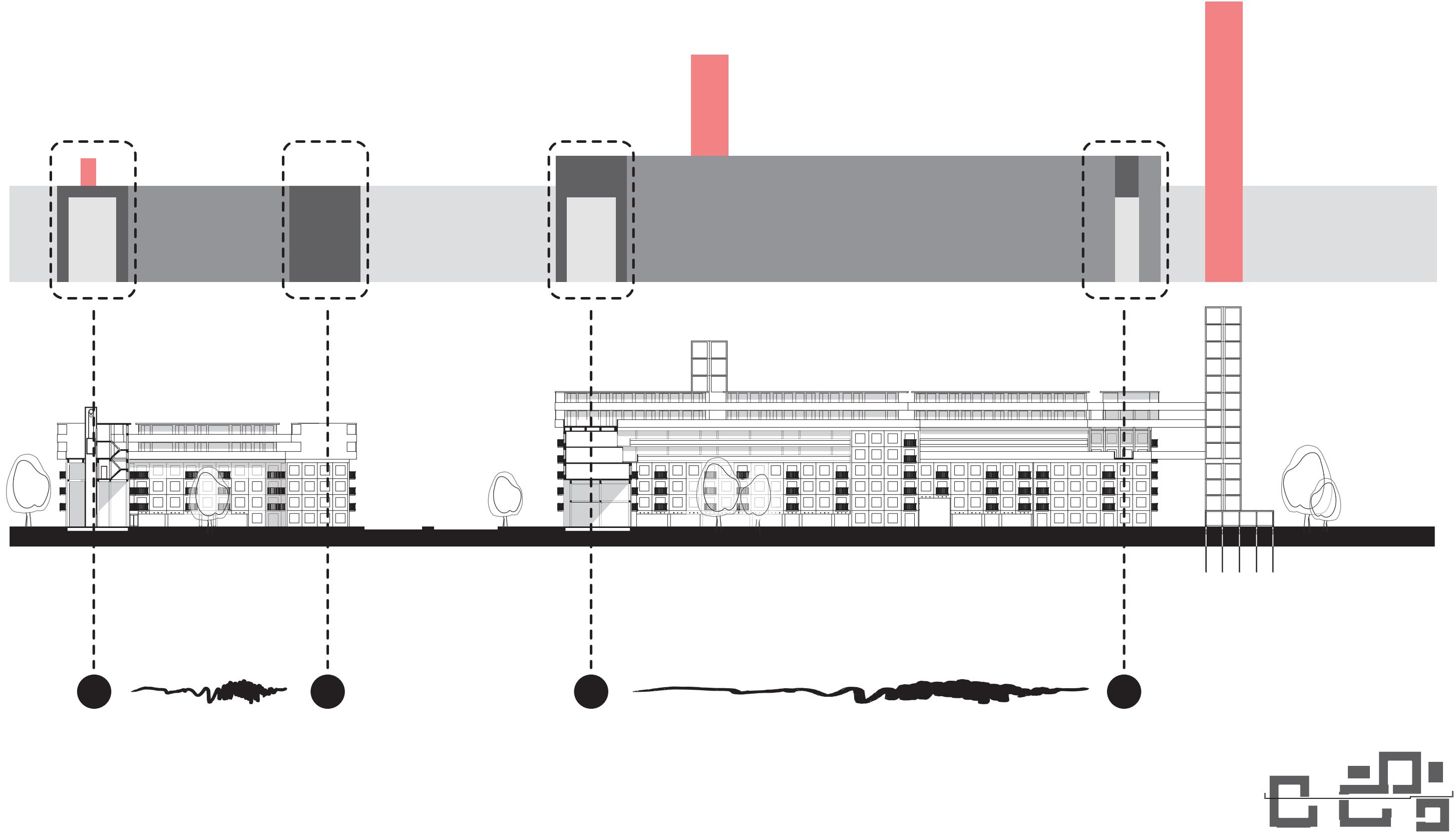
Design

Life on the ground



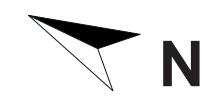
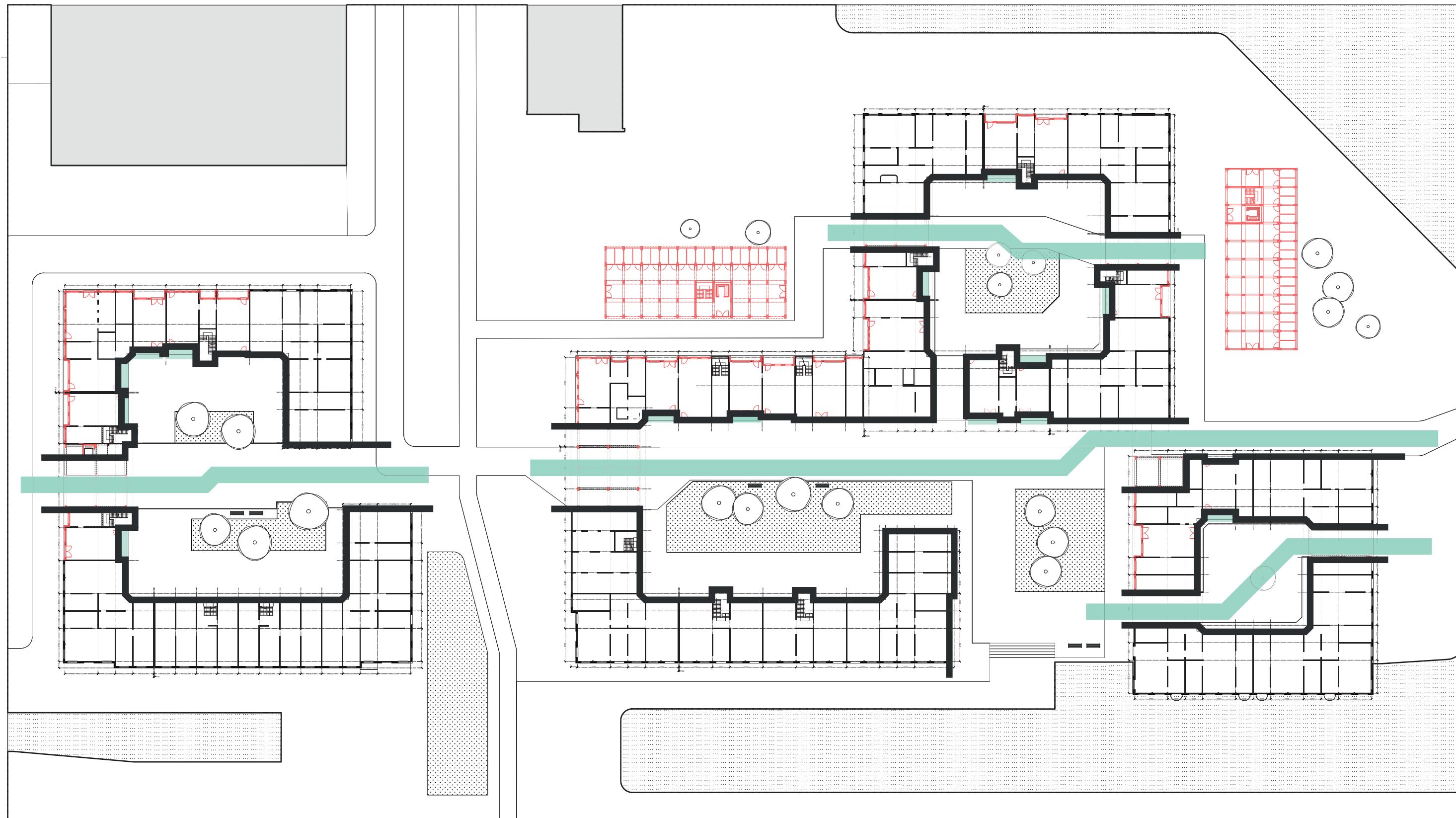
Design

Life on the ground



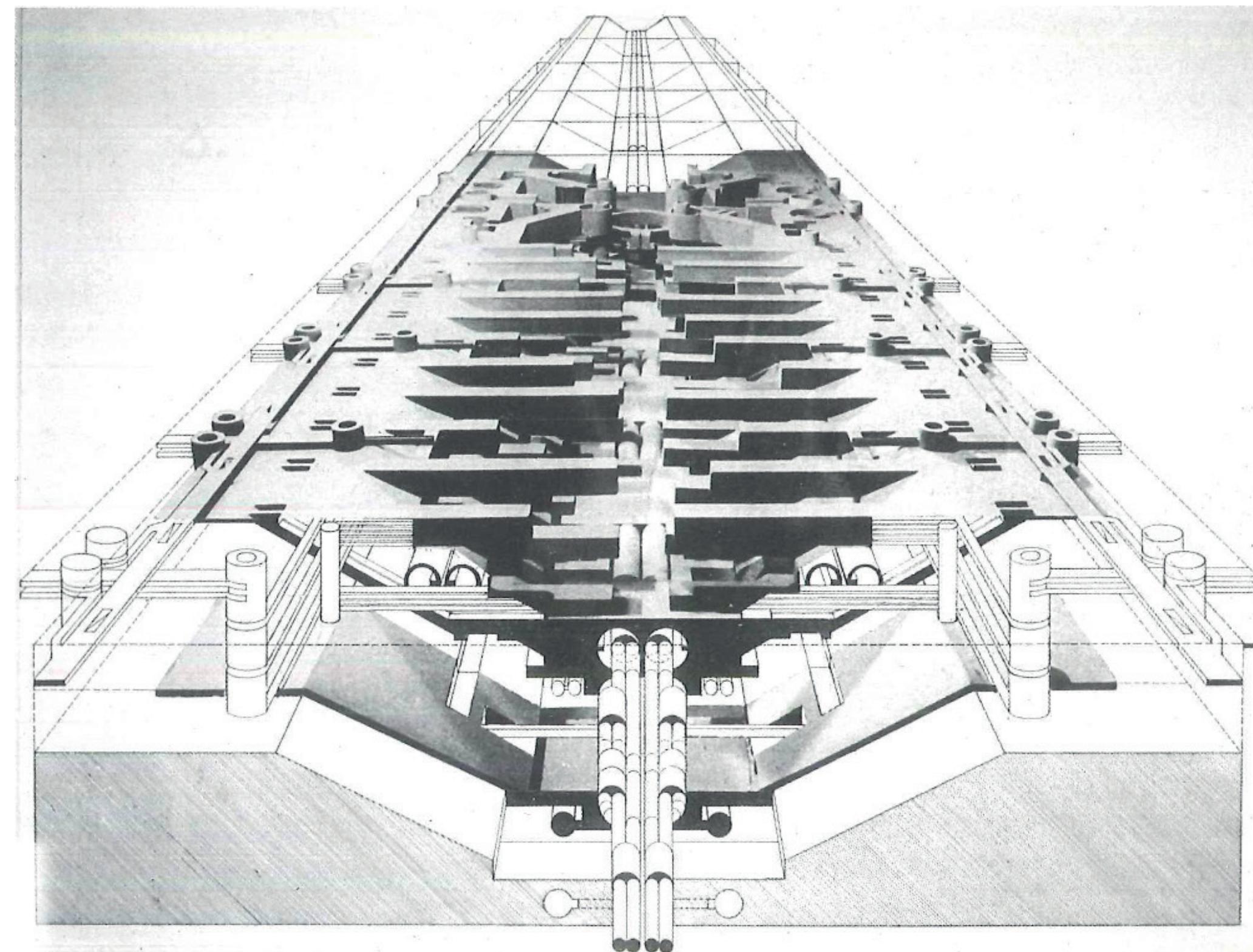
Design

Life on the ground

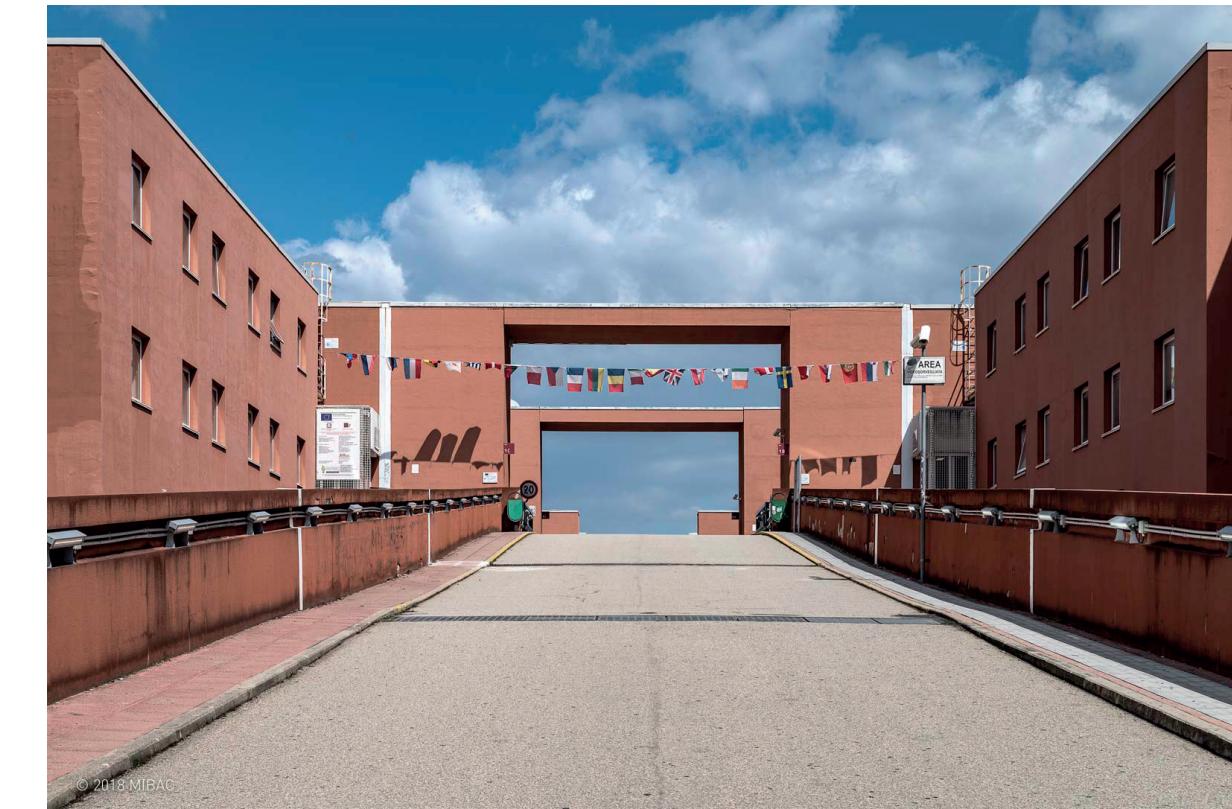


Design

Life on the ground

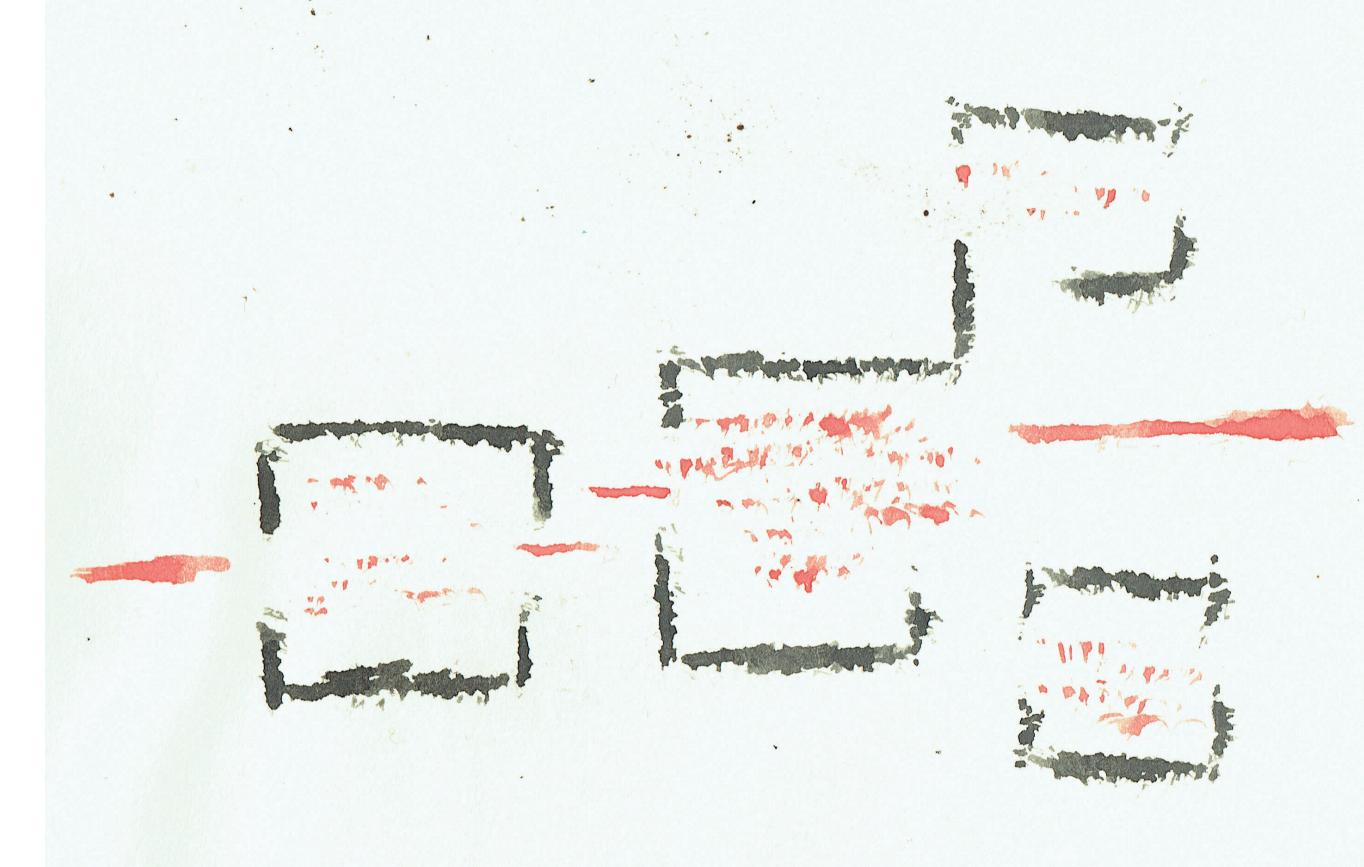


Vittorio Gregotti,
Venice housing ex saffa,
Started 1981



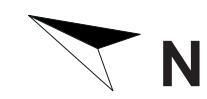
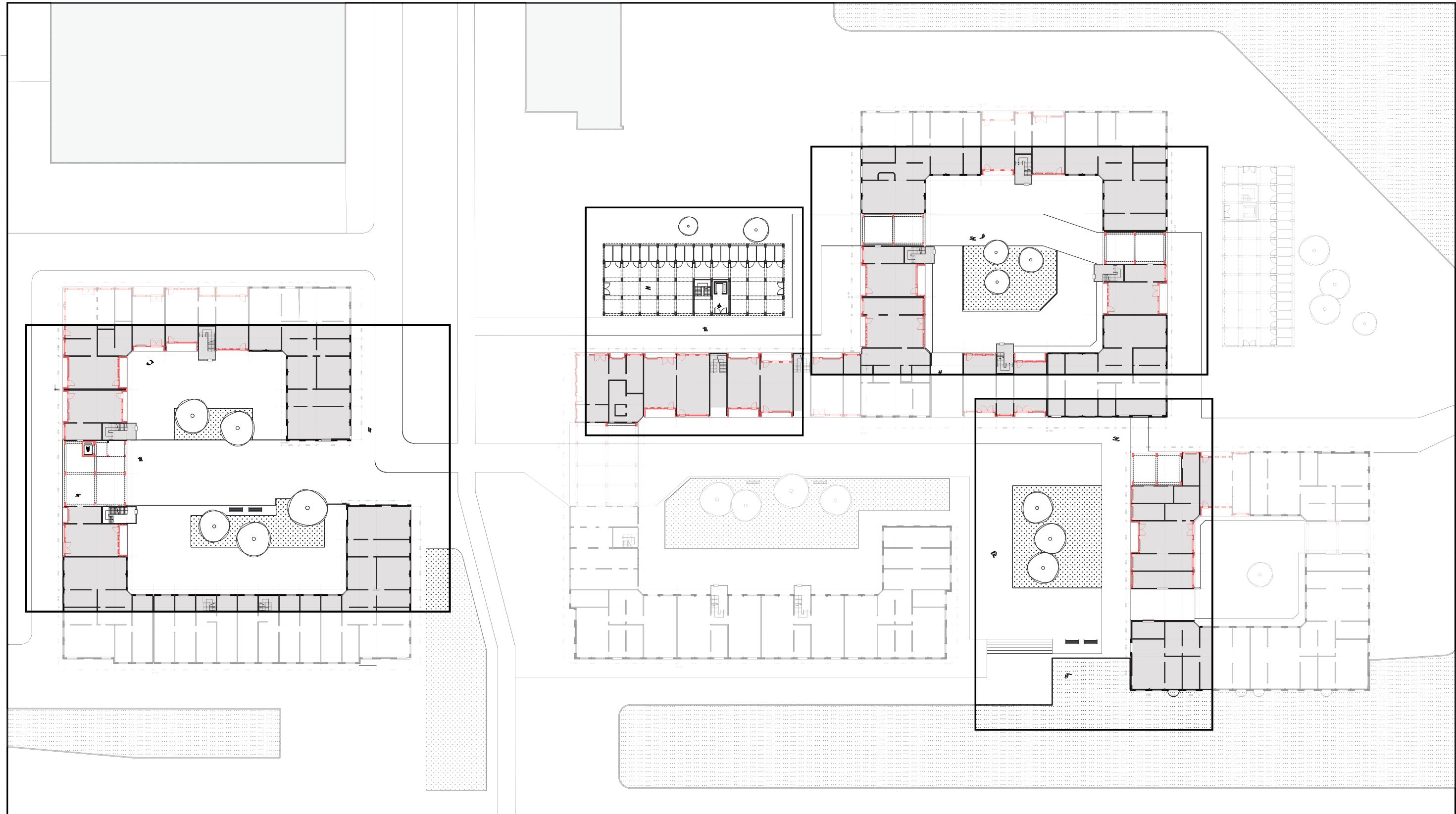
Design

Life on the ground



Design

Life on the ground



Design

Life on the ground



Design

Life on the ground



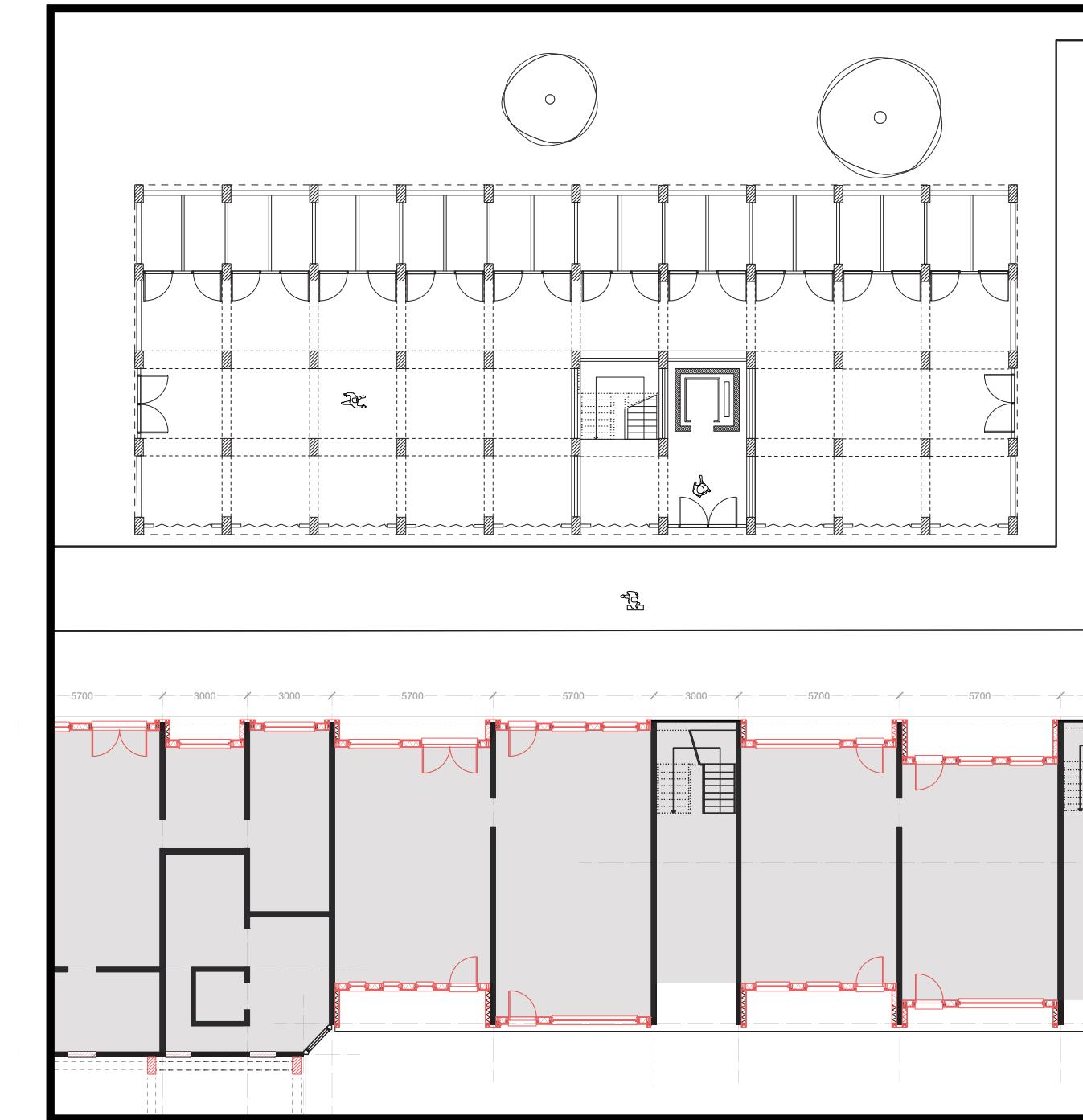
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Life on the ground



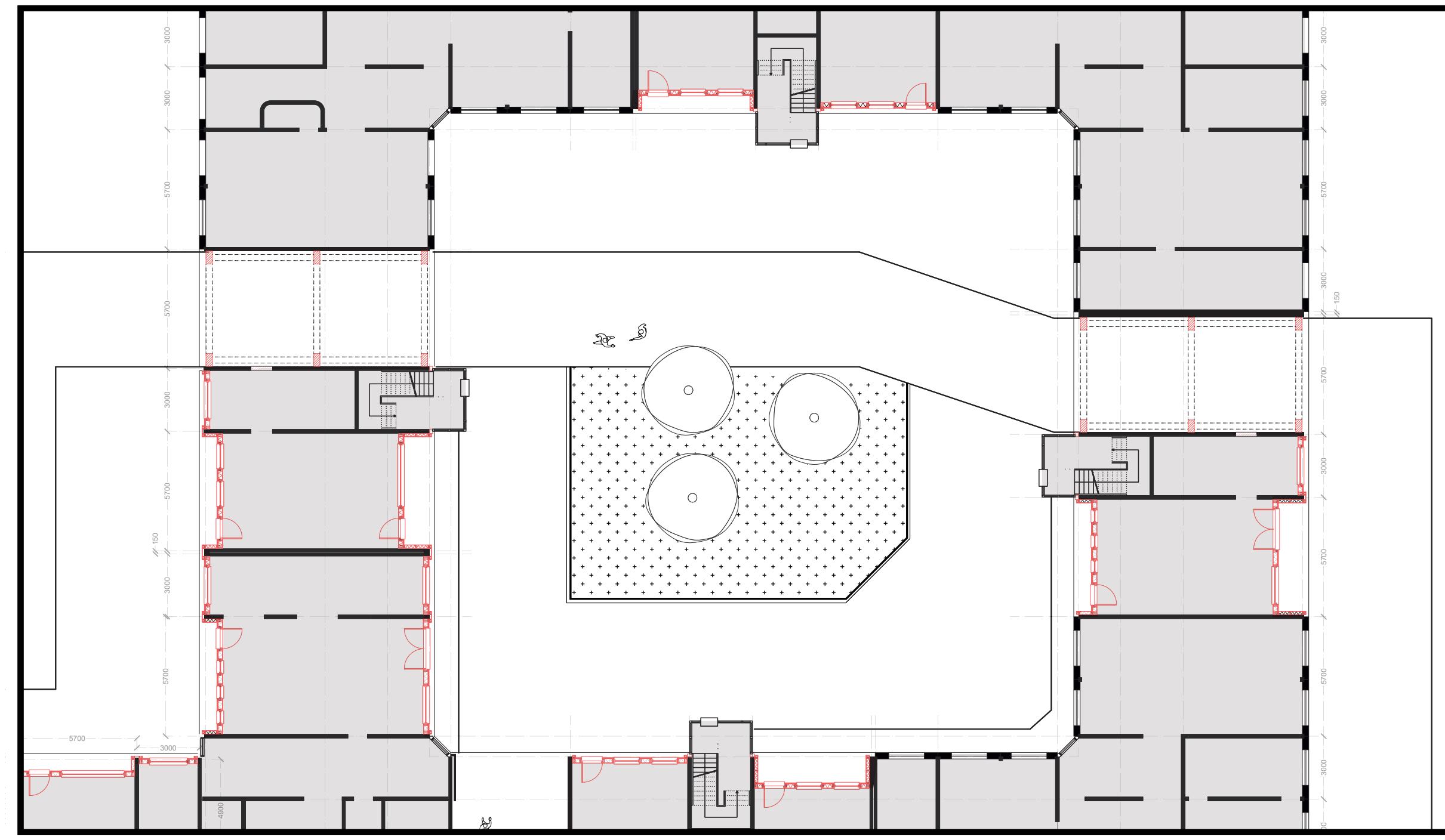
Design

Life on the ground



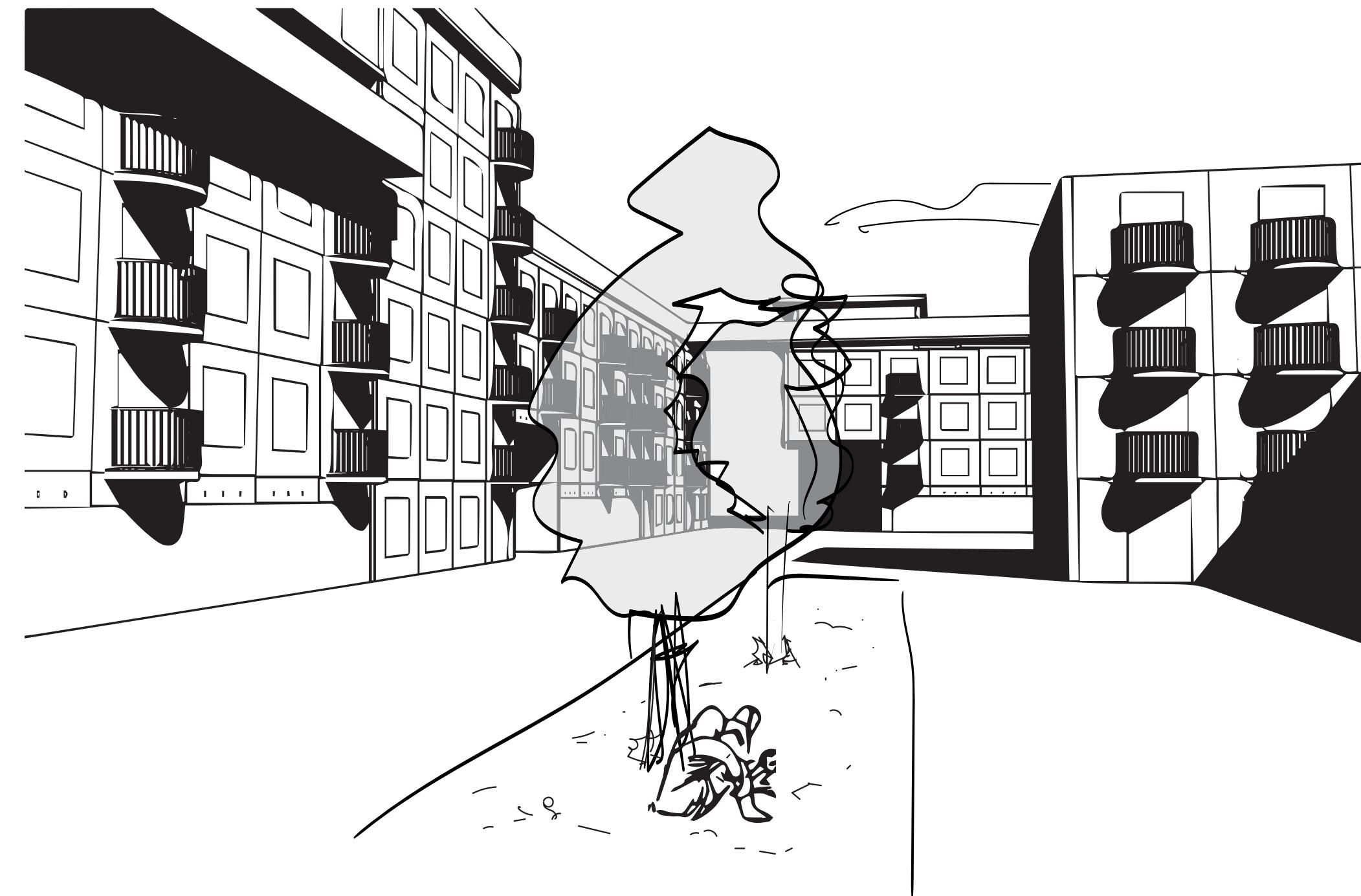
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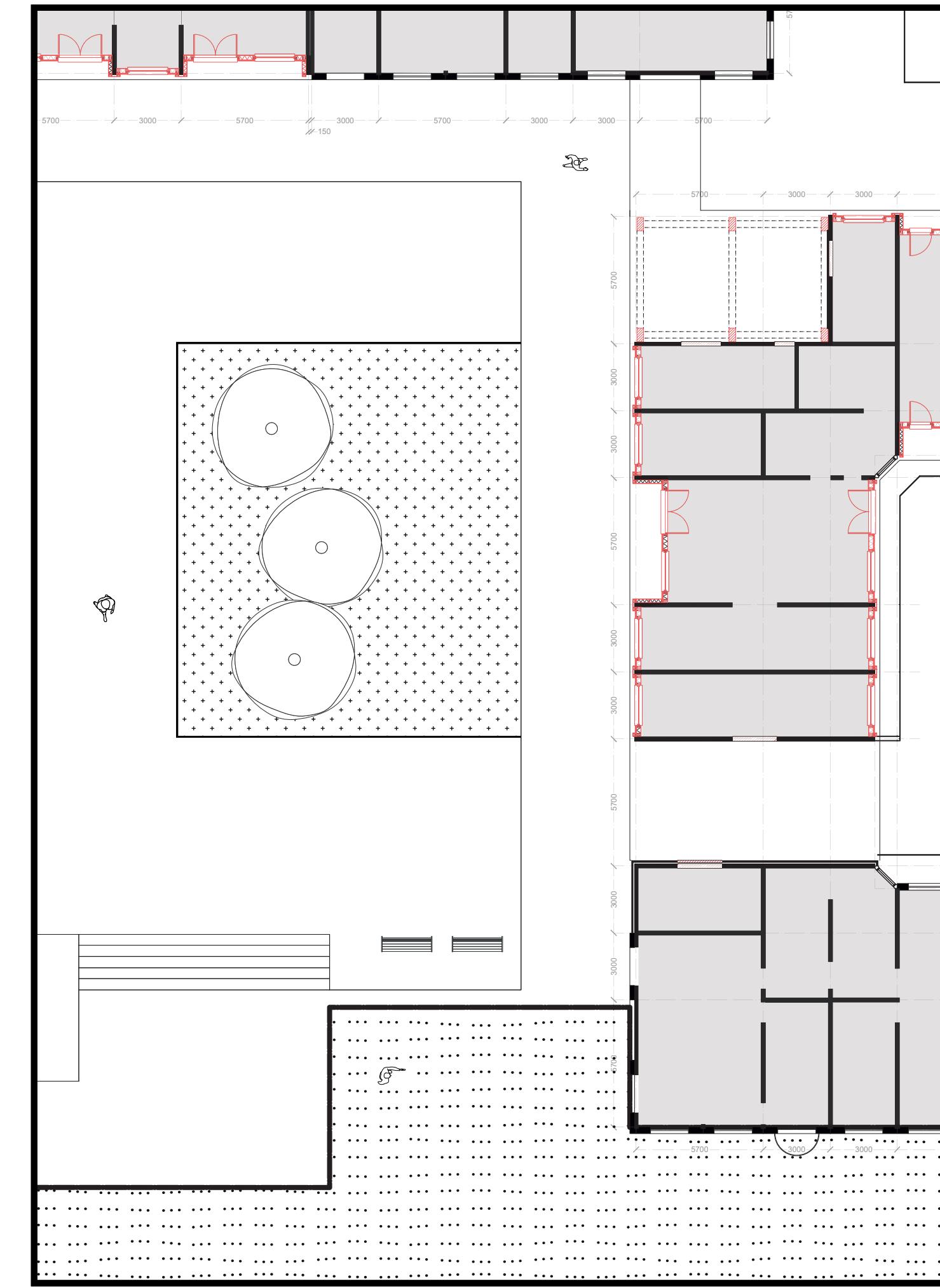
Life on the ground



Design

Life on the ground





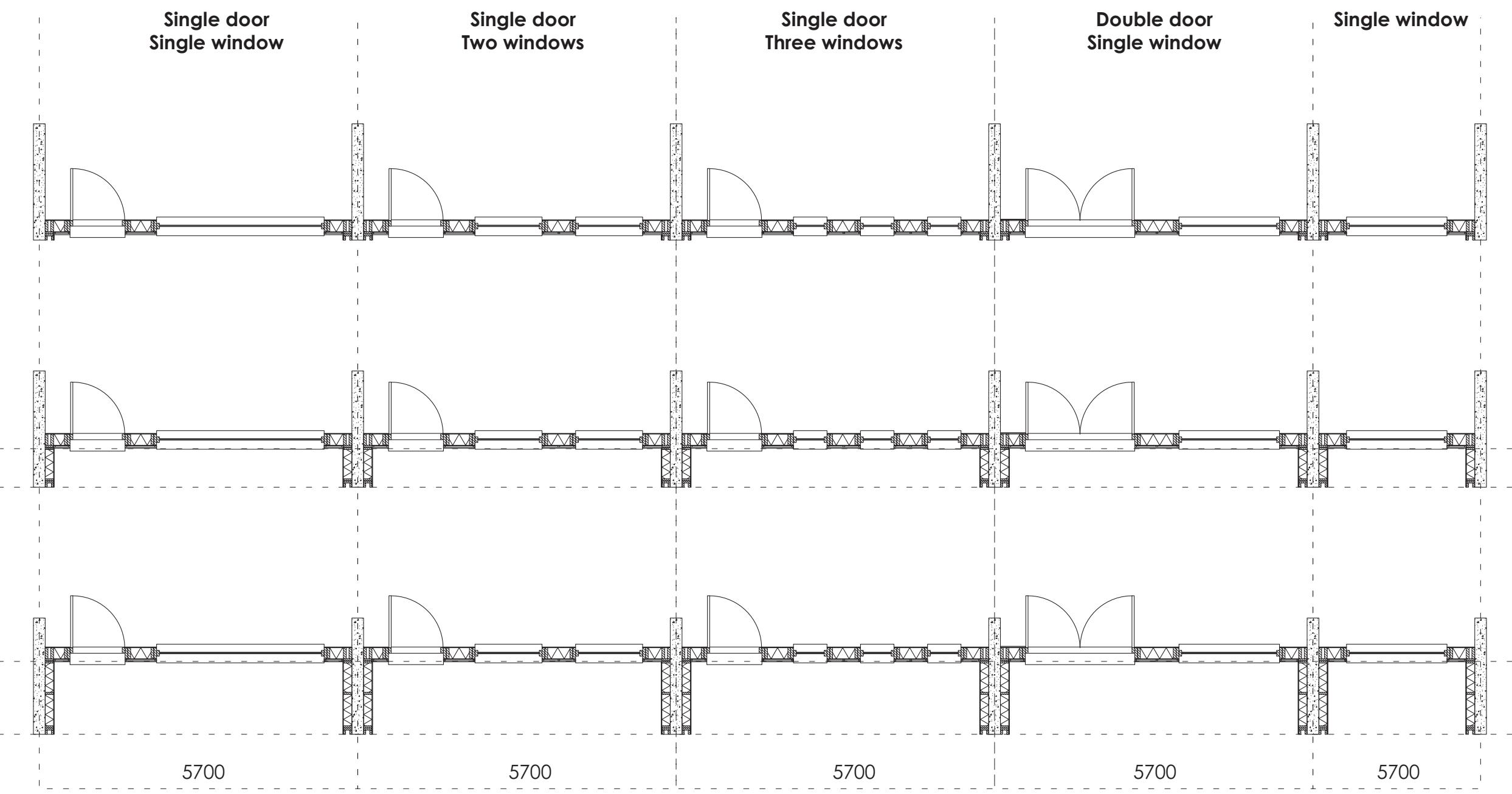
Design

Life on the ground



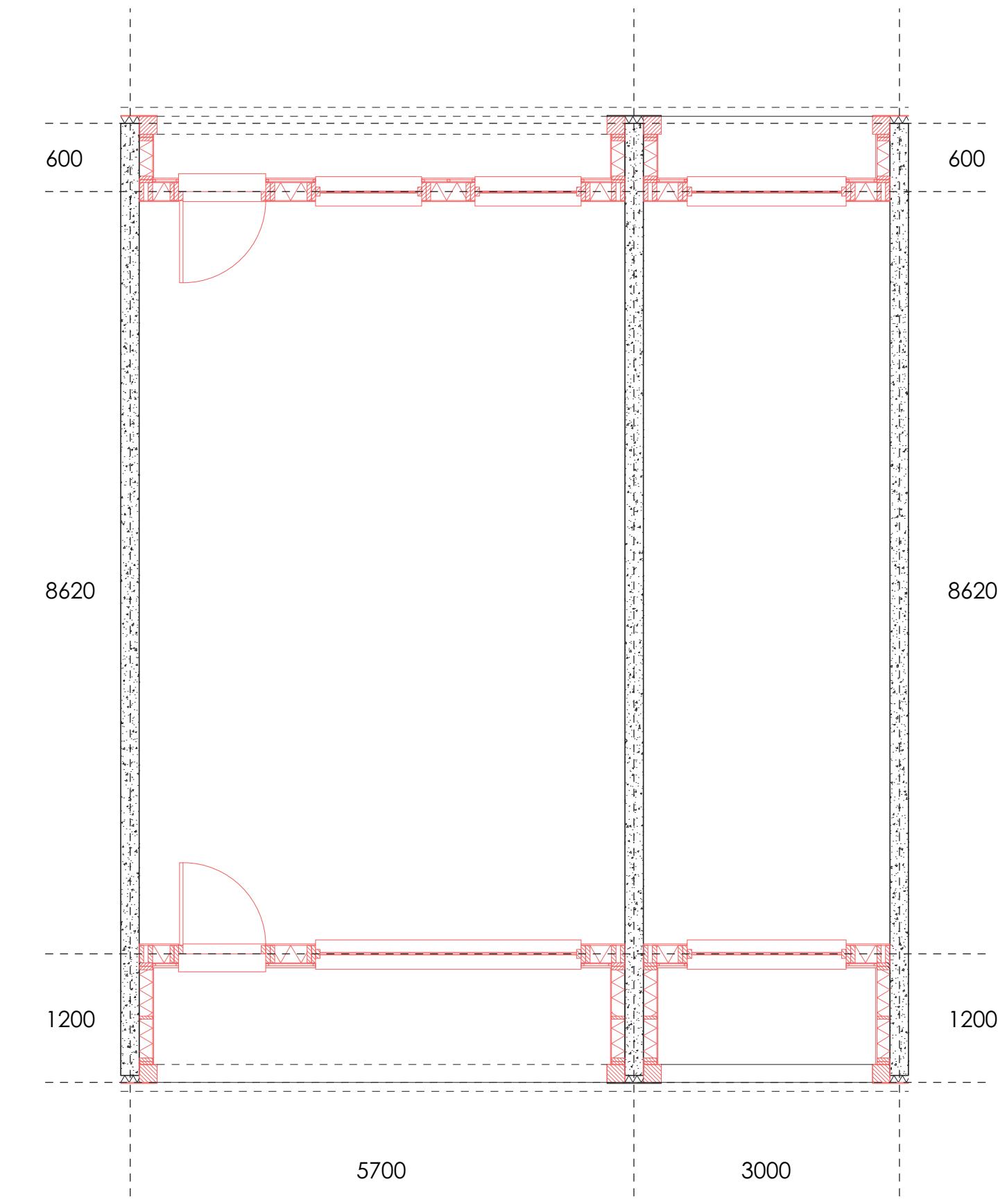
Design

Life on the ground



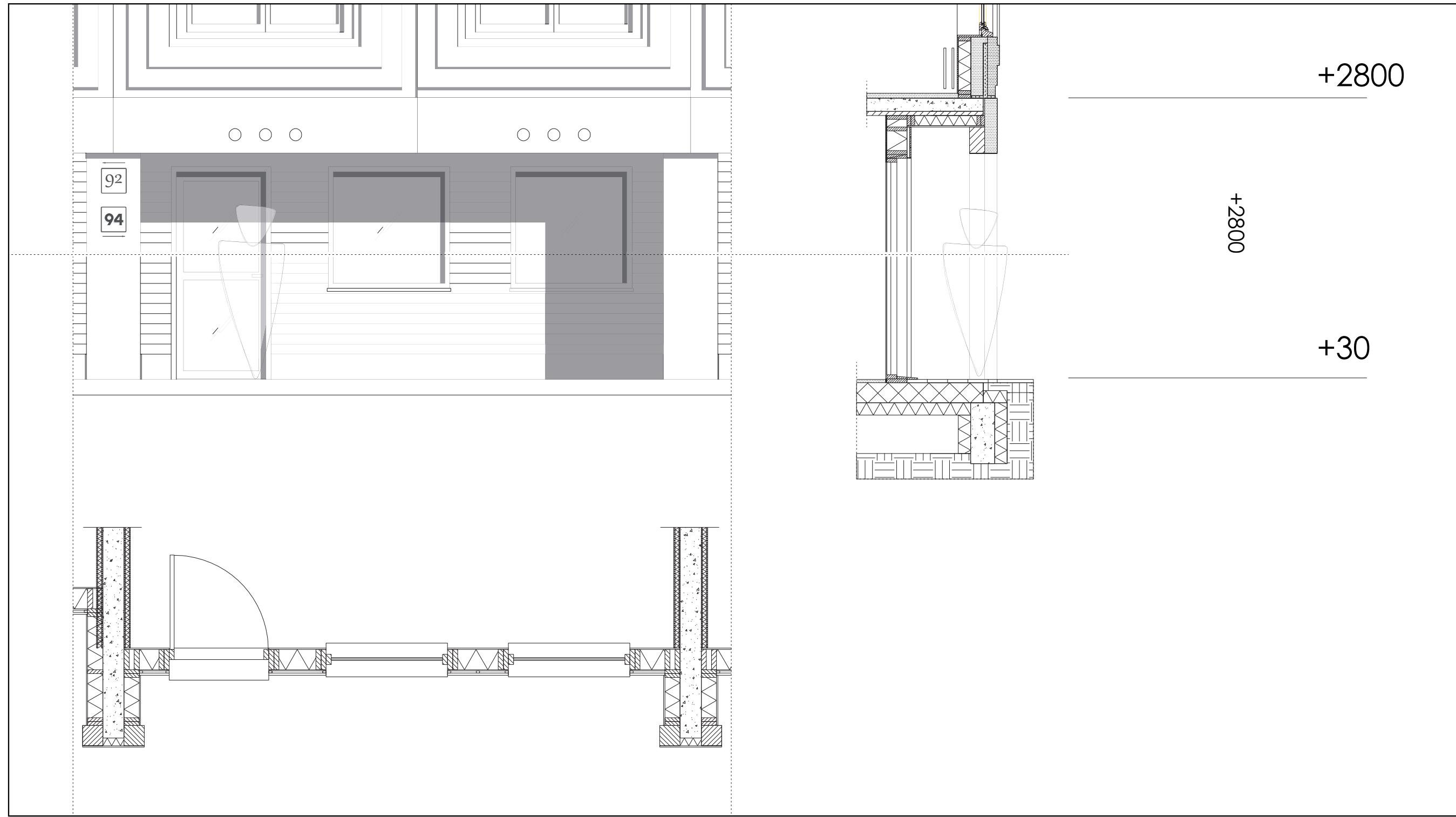
Design

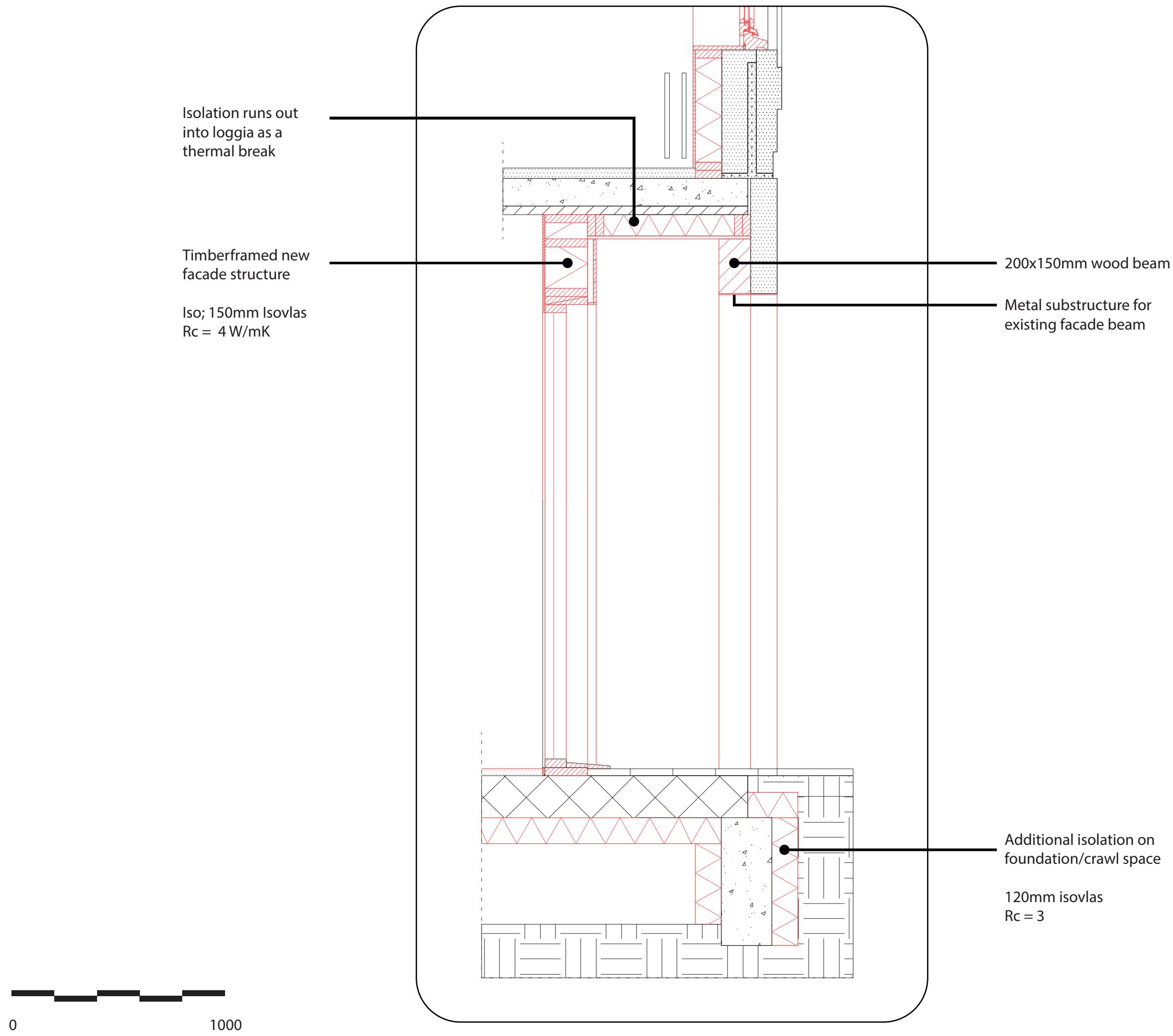
Life on the ground



Design

Life on the ground





Design

Life on the ground



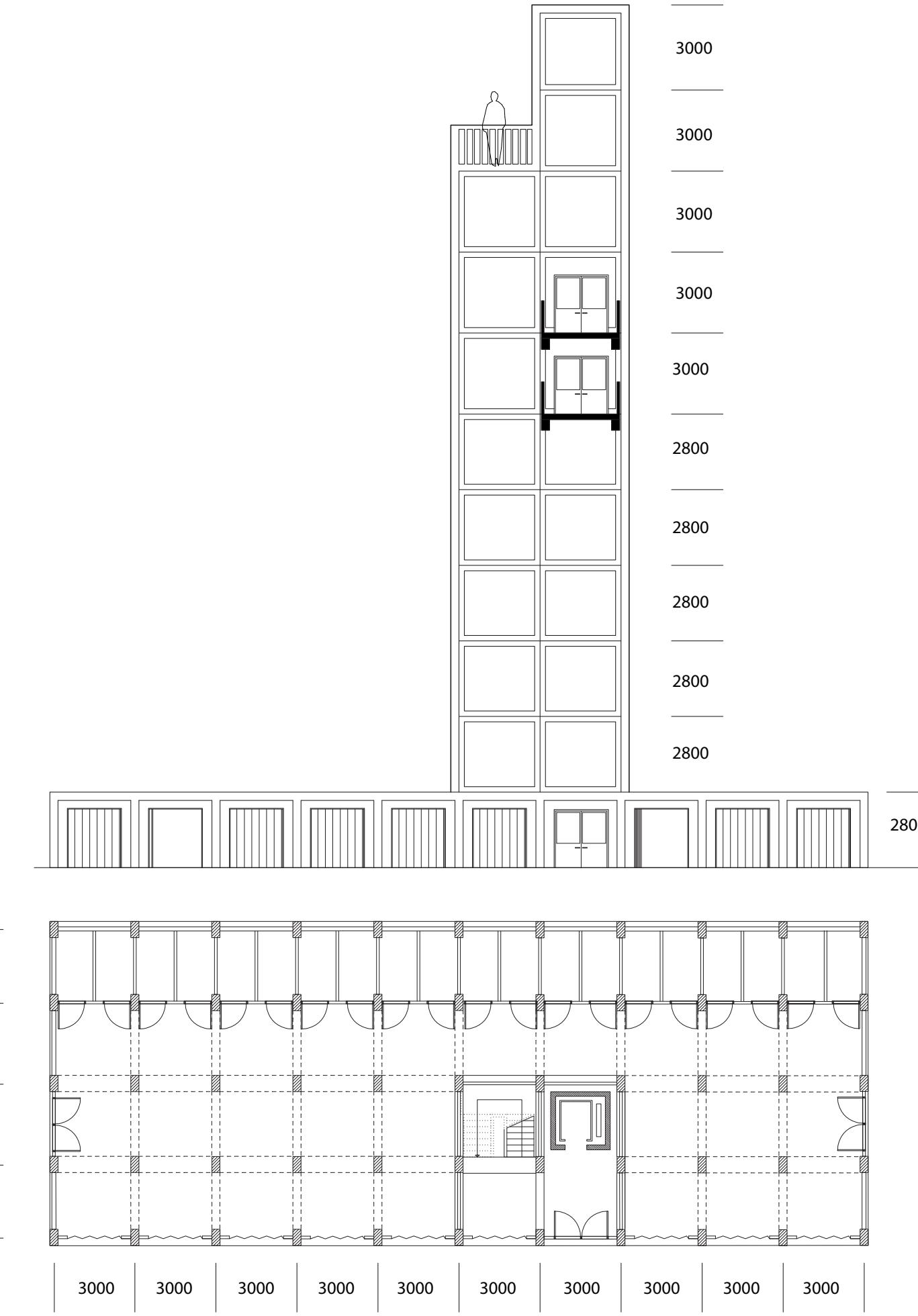
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Life on the ground



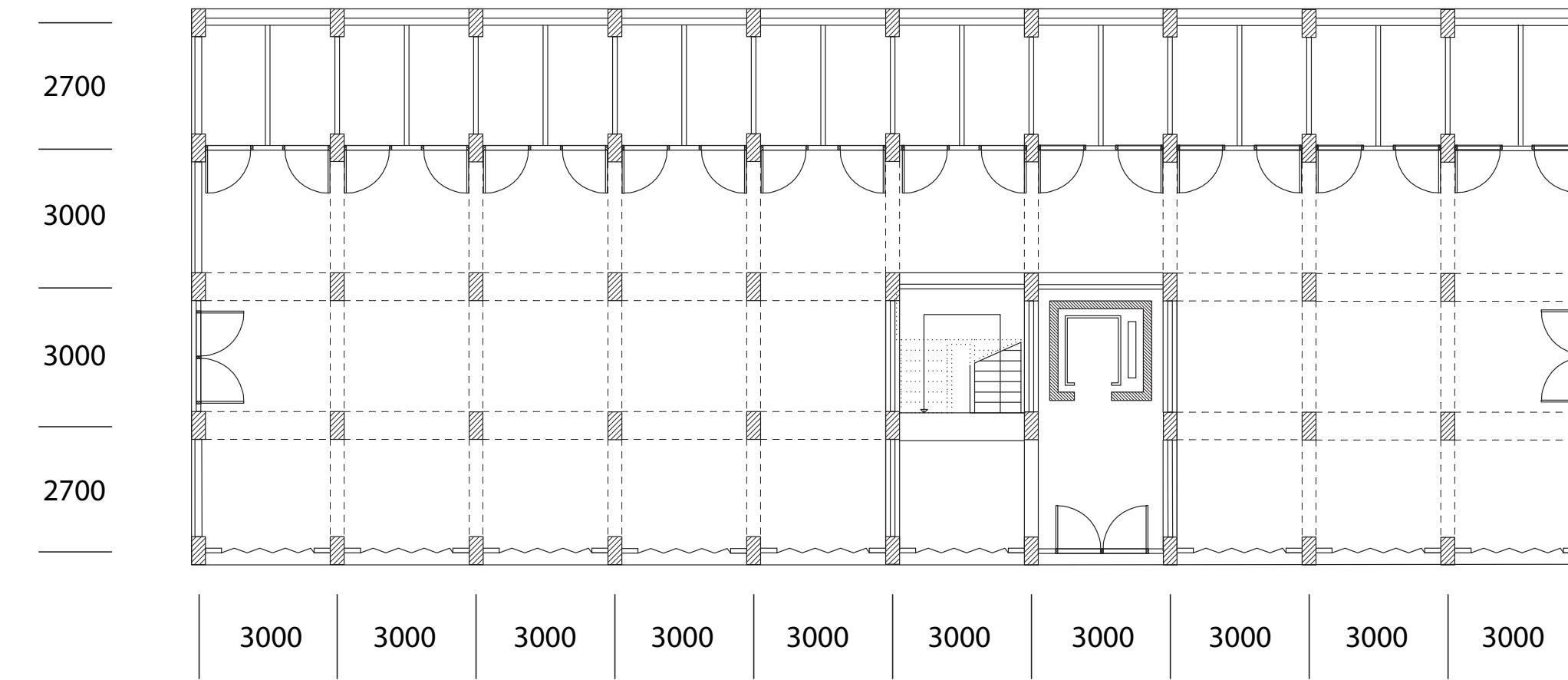
Design

Life on the ground



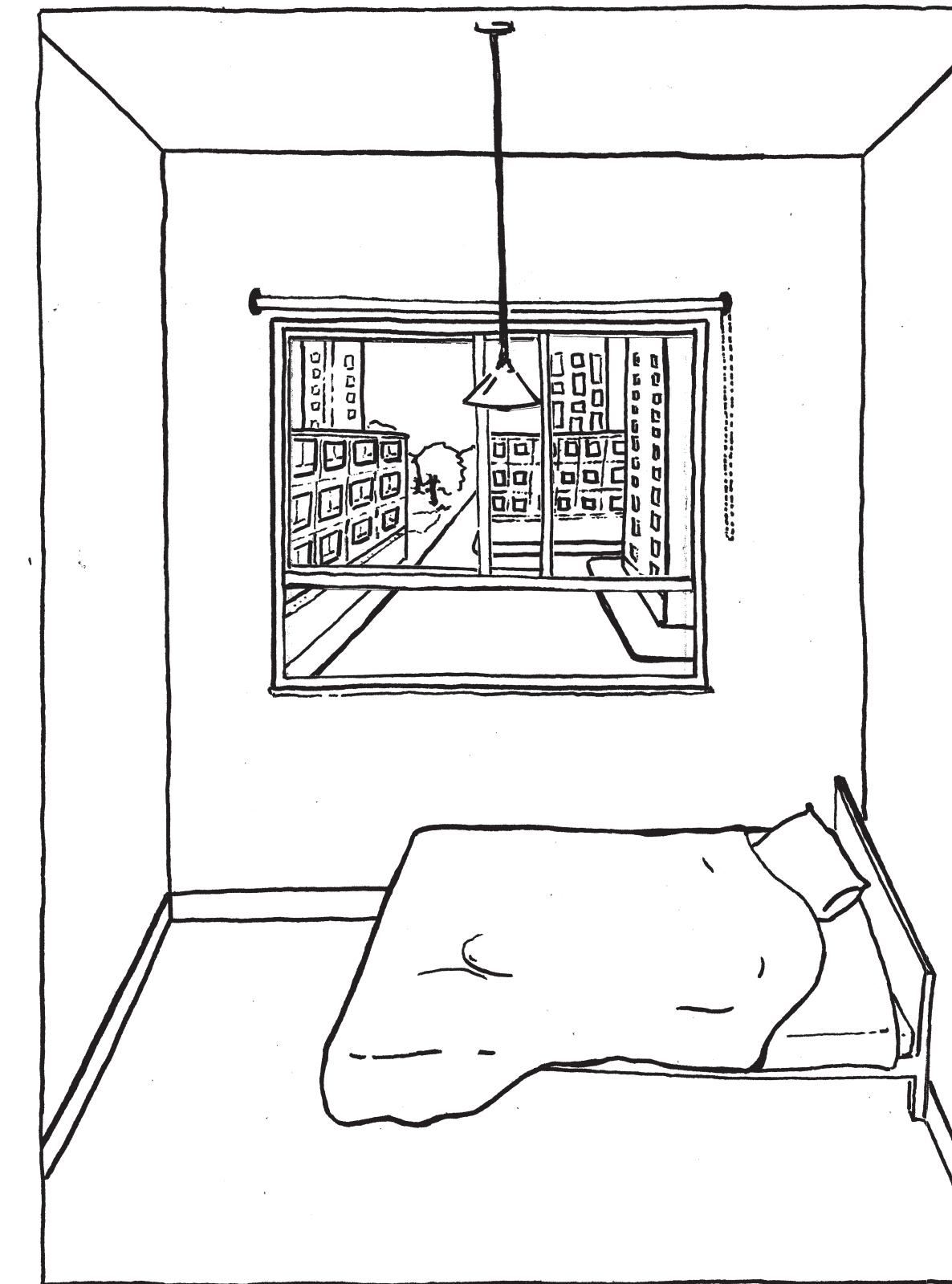
Design

Life on the ground



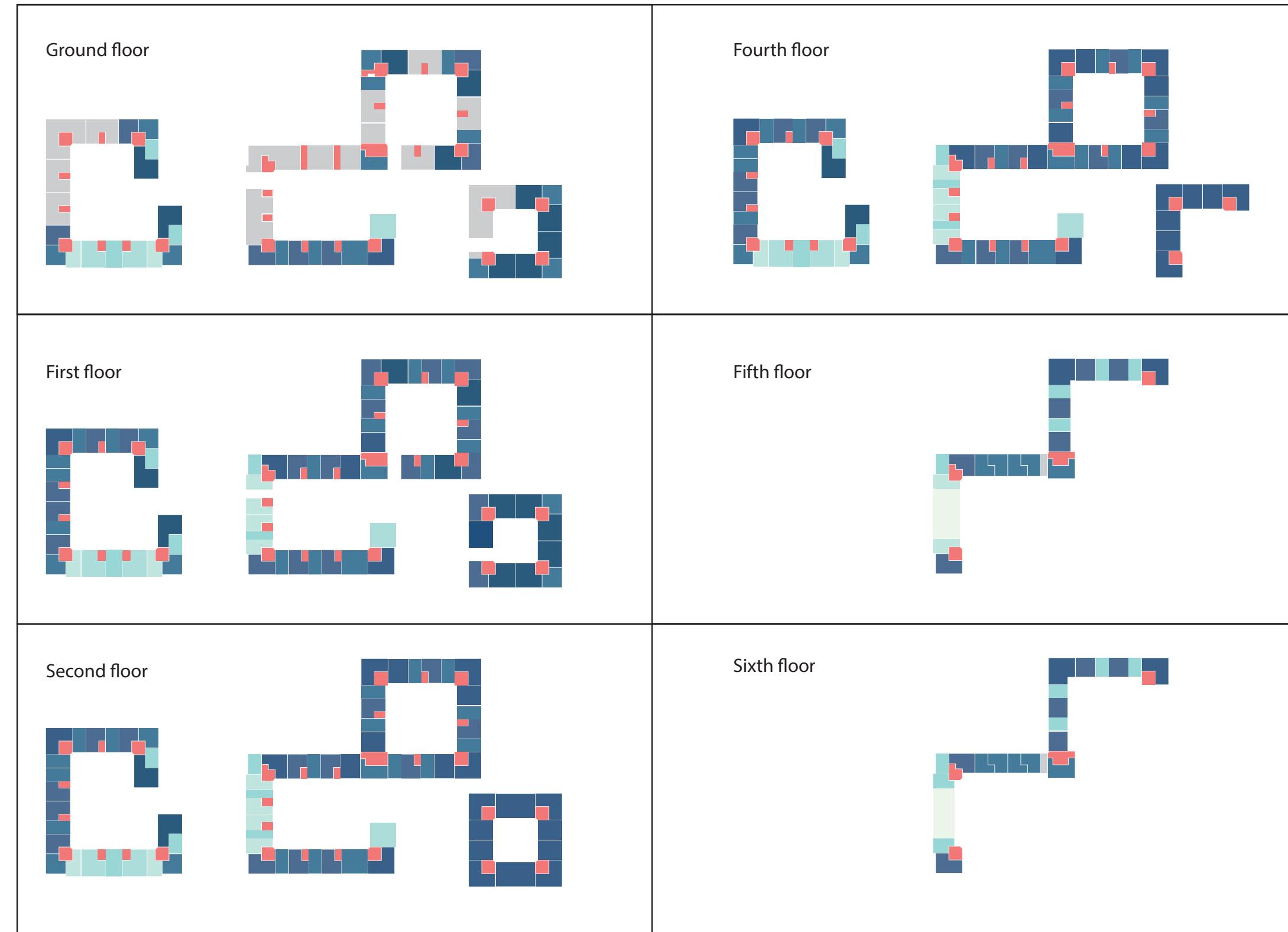
Design

Life in between



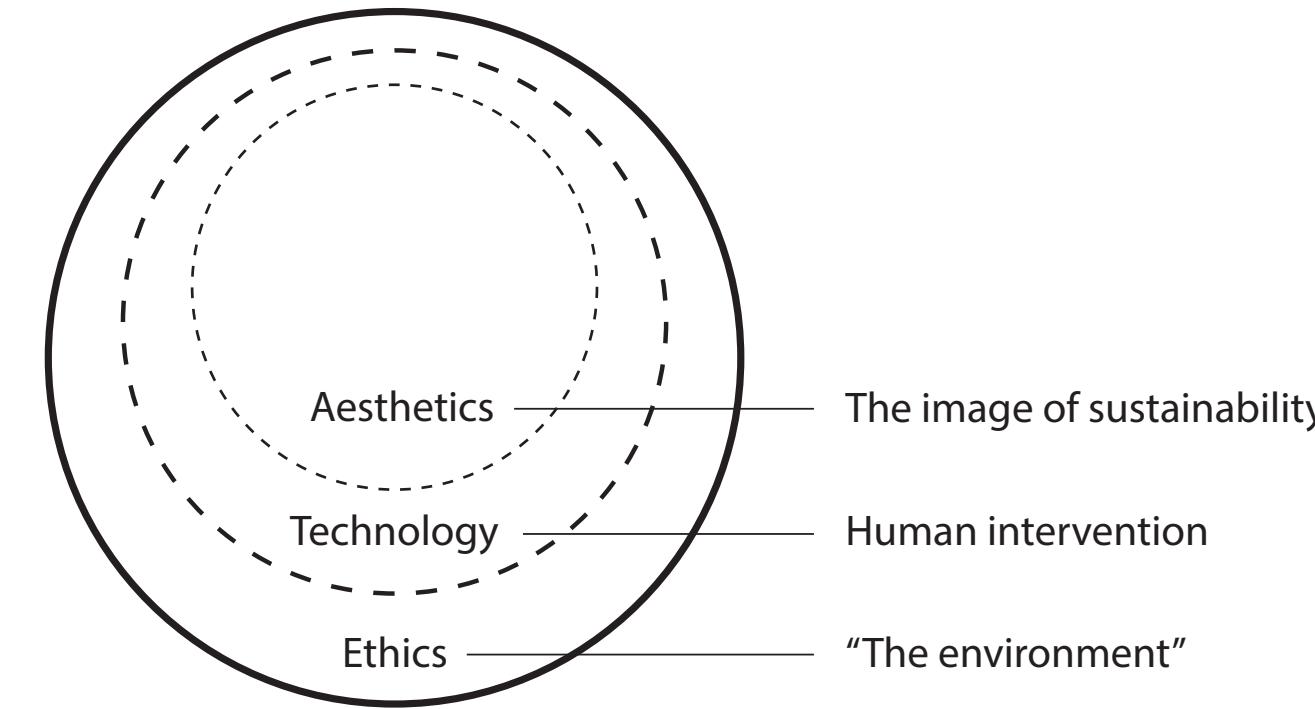
Design

Life in between



Design

Life in between



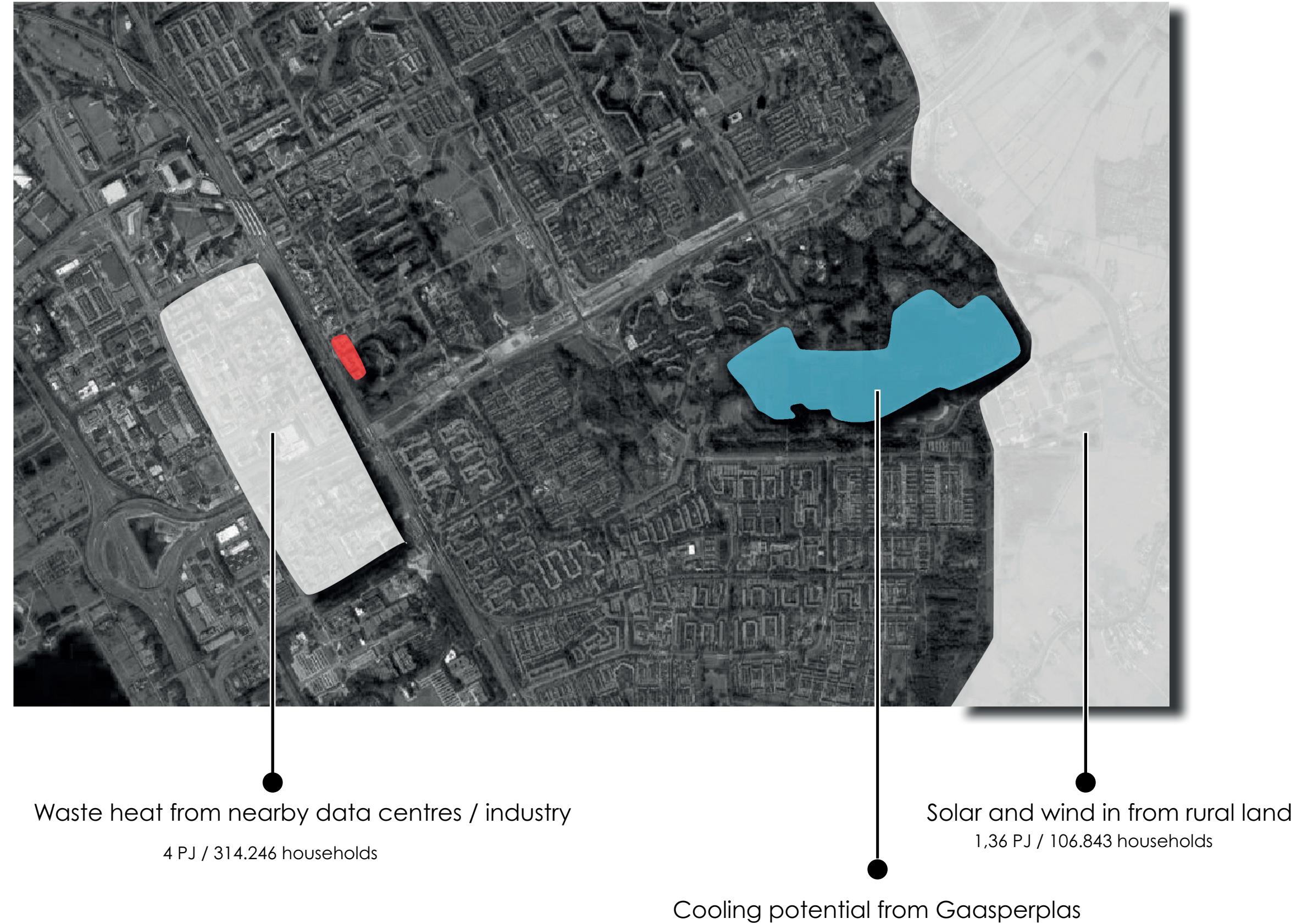
How can sustainable design mitigate psychological effects of urban life?

How can the material value of Heesterveld be taken advantage off in a redesign?

How can architecture be designed to keep grounded in its environment, profiting from natural processes?

Design

Life in between



Design

Life in between

Local energy source potential

Electricity

Solar on 60% of roofs
0,72 PJ / 57.350 households

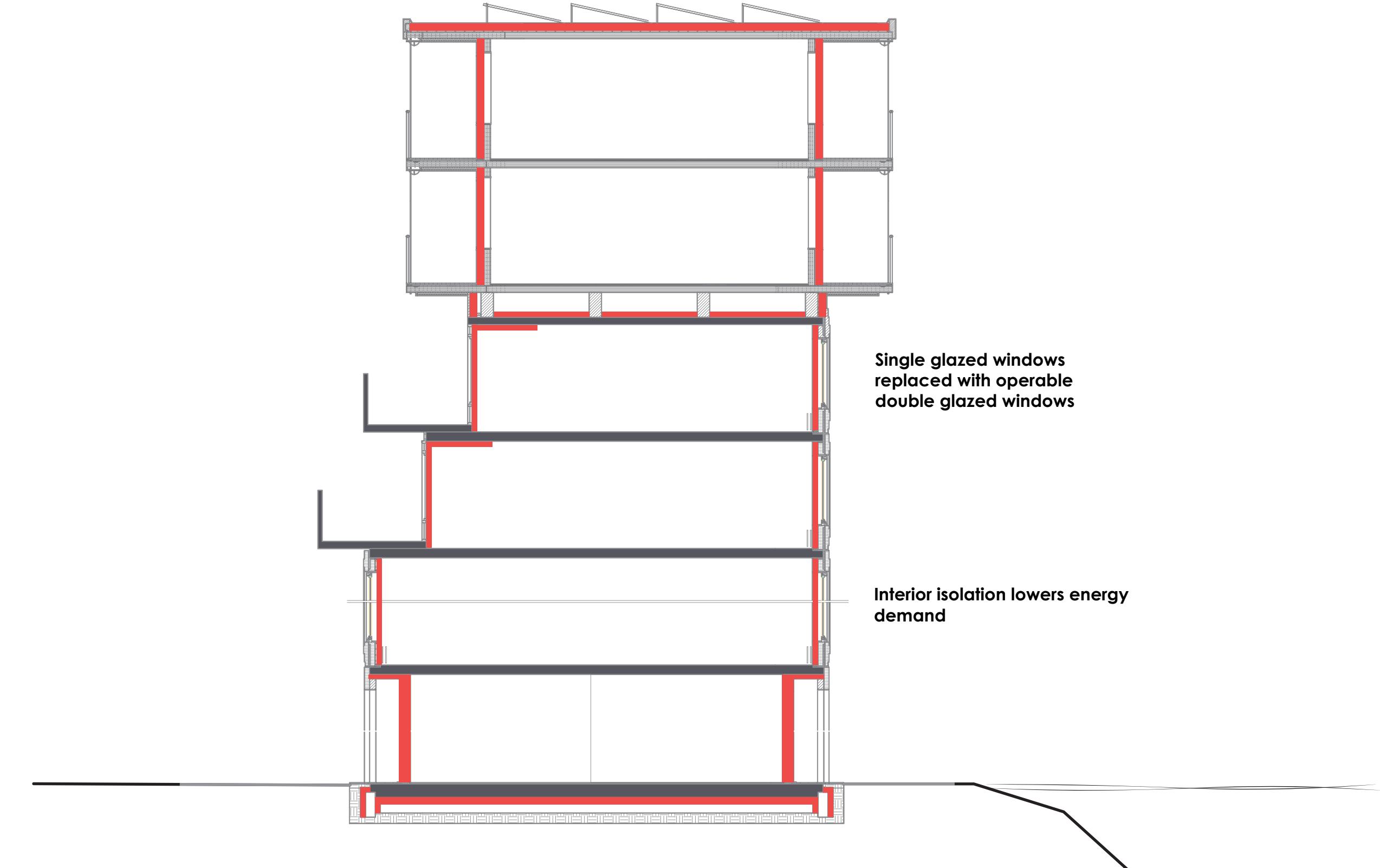
Heat

Biogas
Hydrogen
Surface water
Solar boilers
Geothermal
Heat-Cold storage

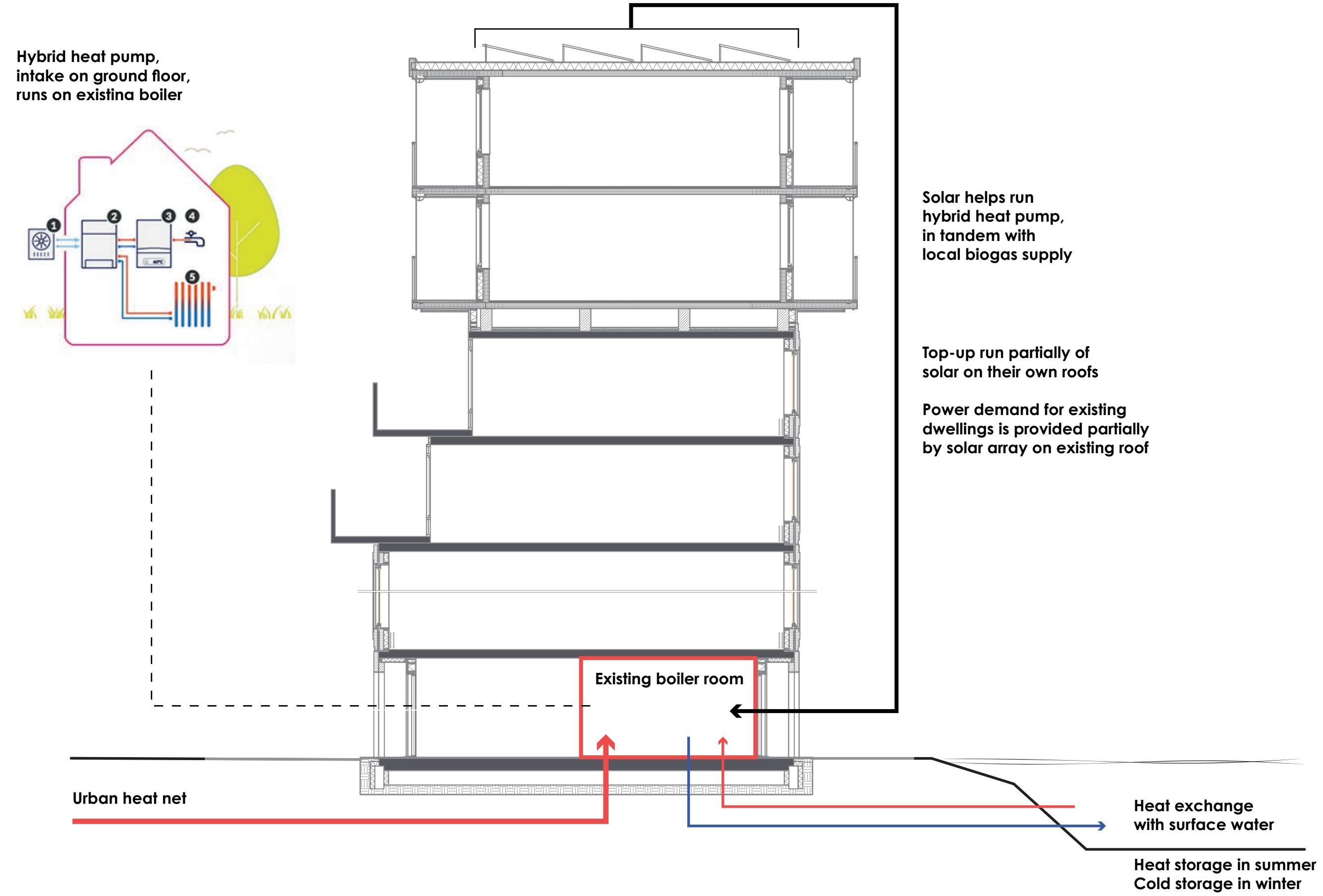


Design

Life in between



Design Life in between



Design

Life in between

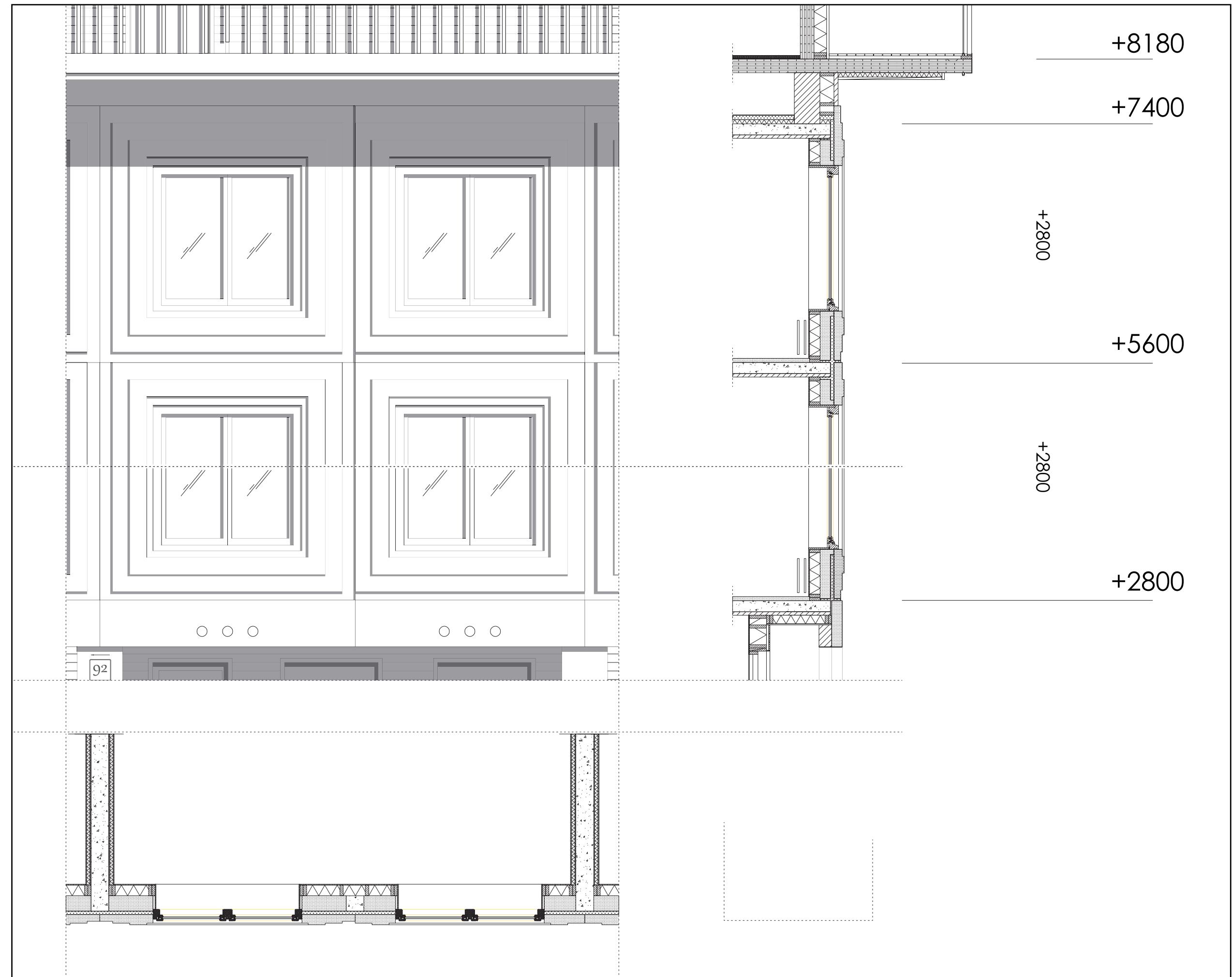
Where is the heritage value?

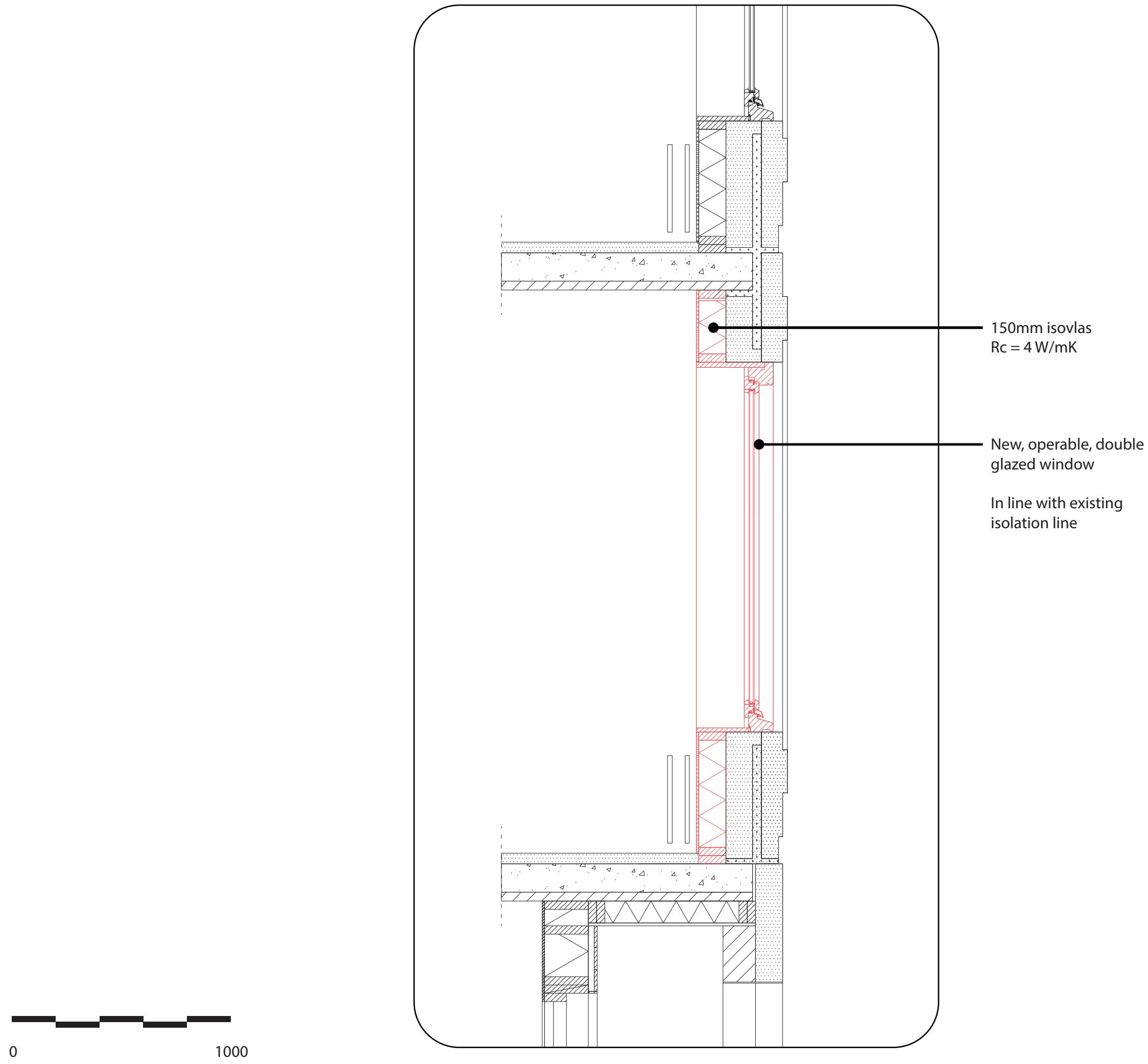


material and colour



composition





Design

Life in between

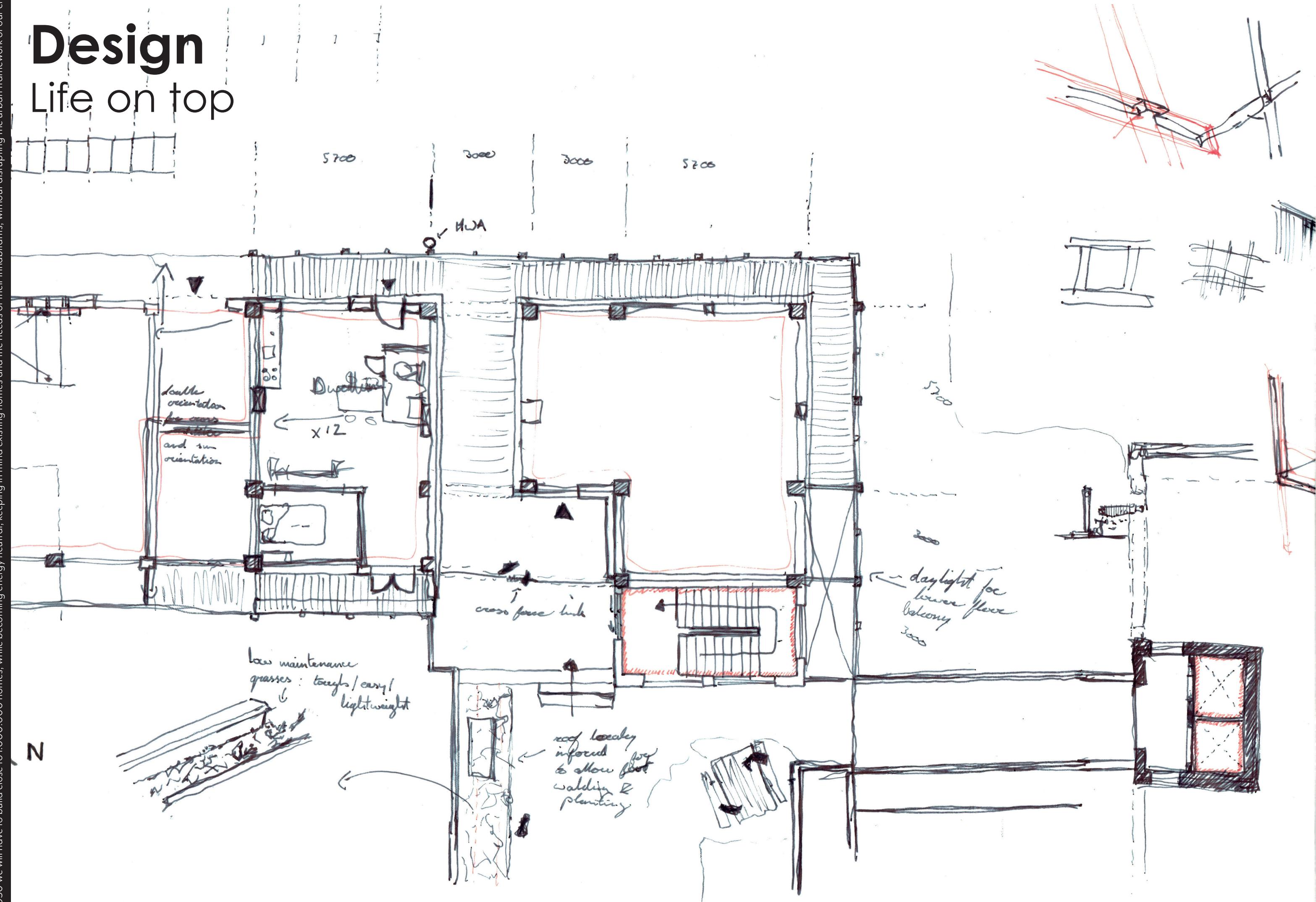


Design

Life in between

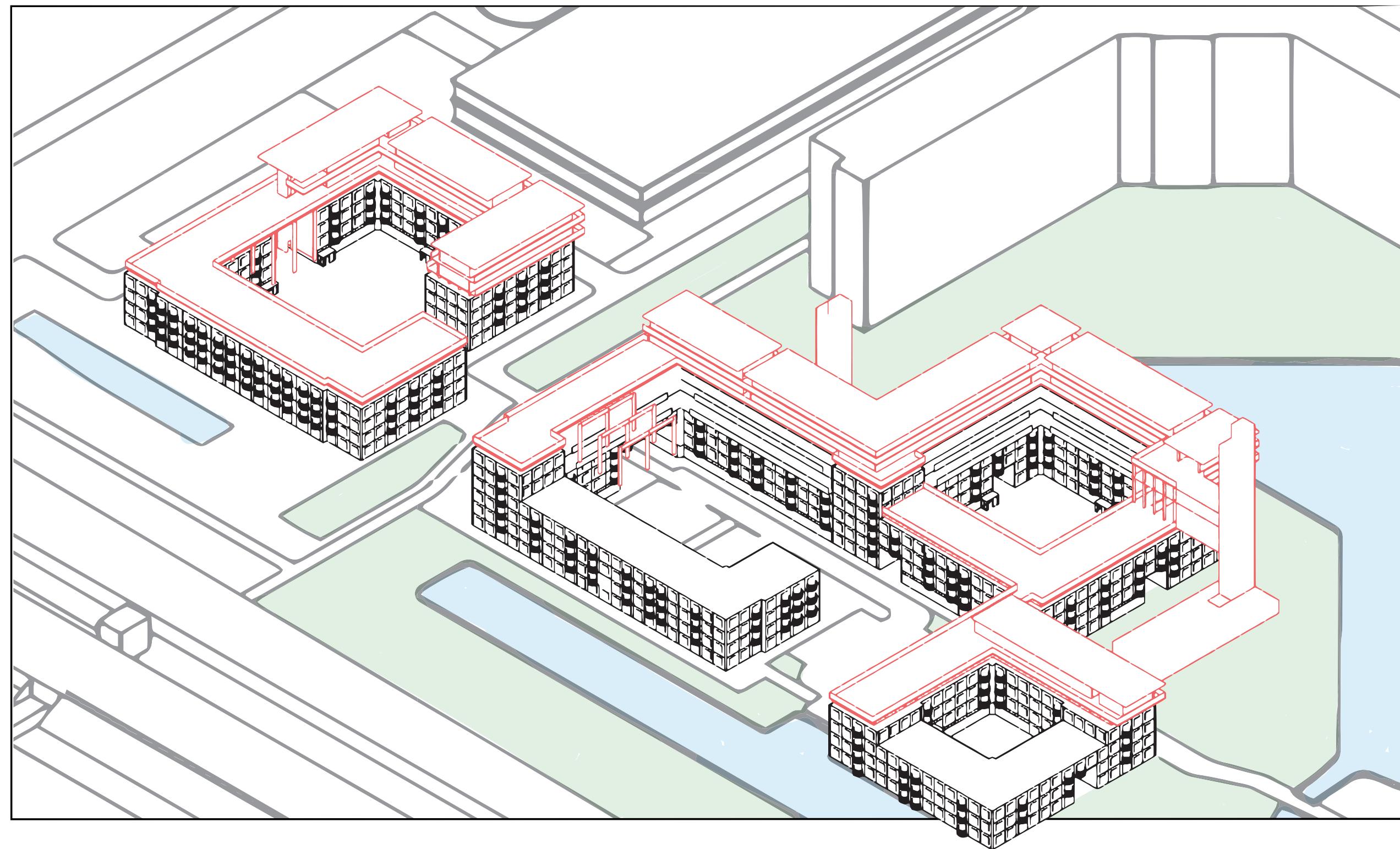


Design Life on top



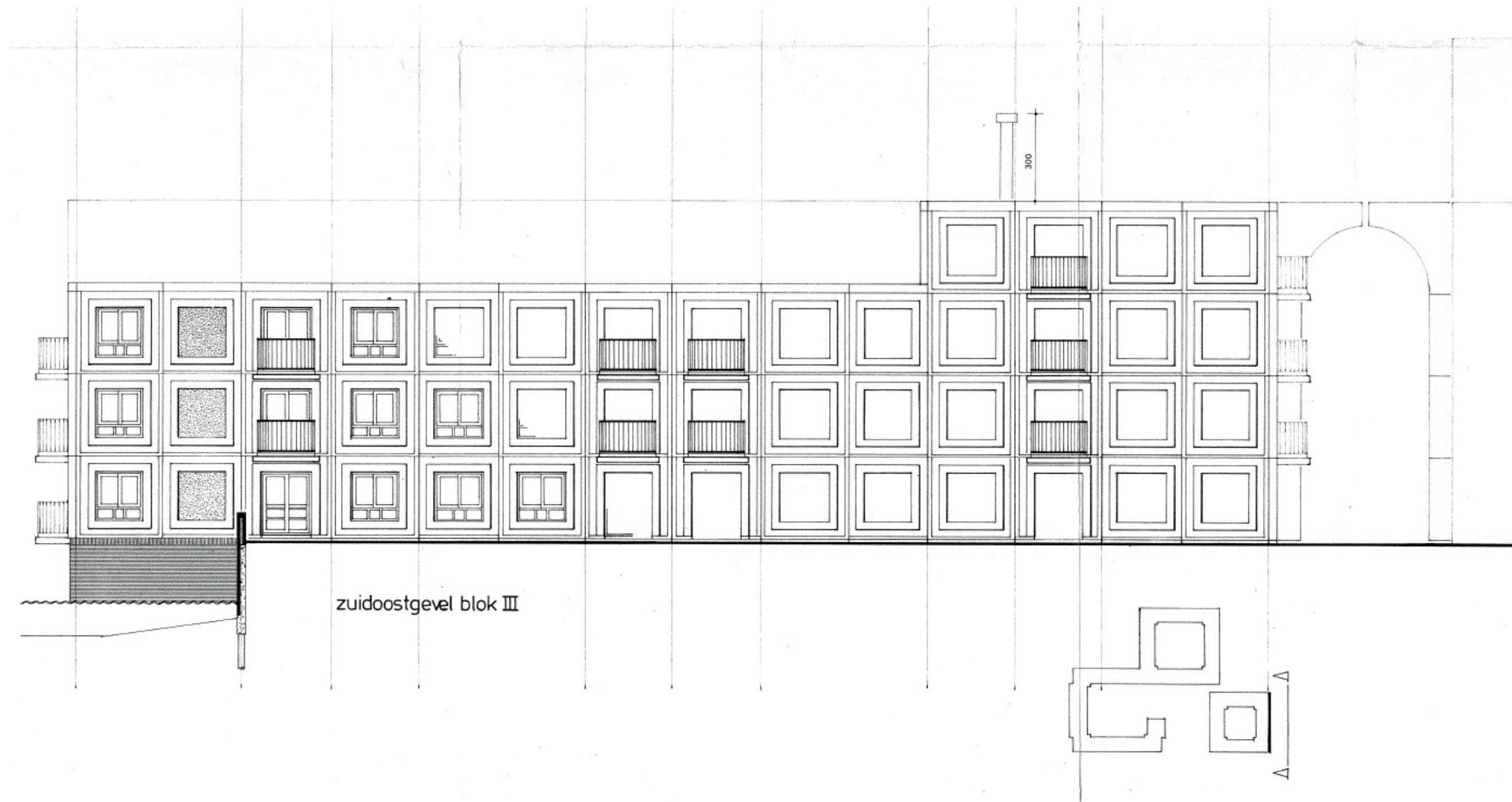
Design

Life on top



Design

Life on top



Design Life on top

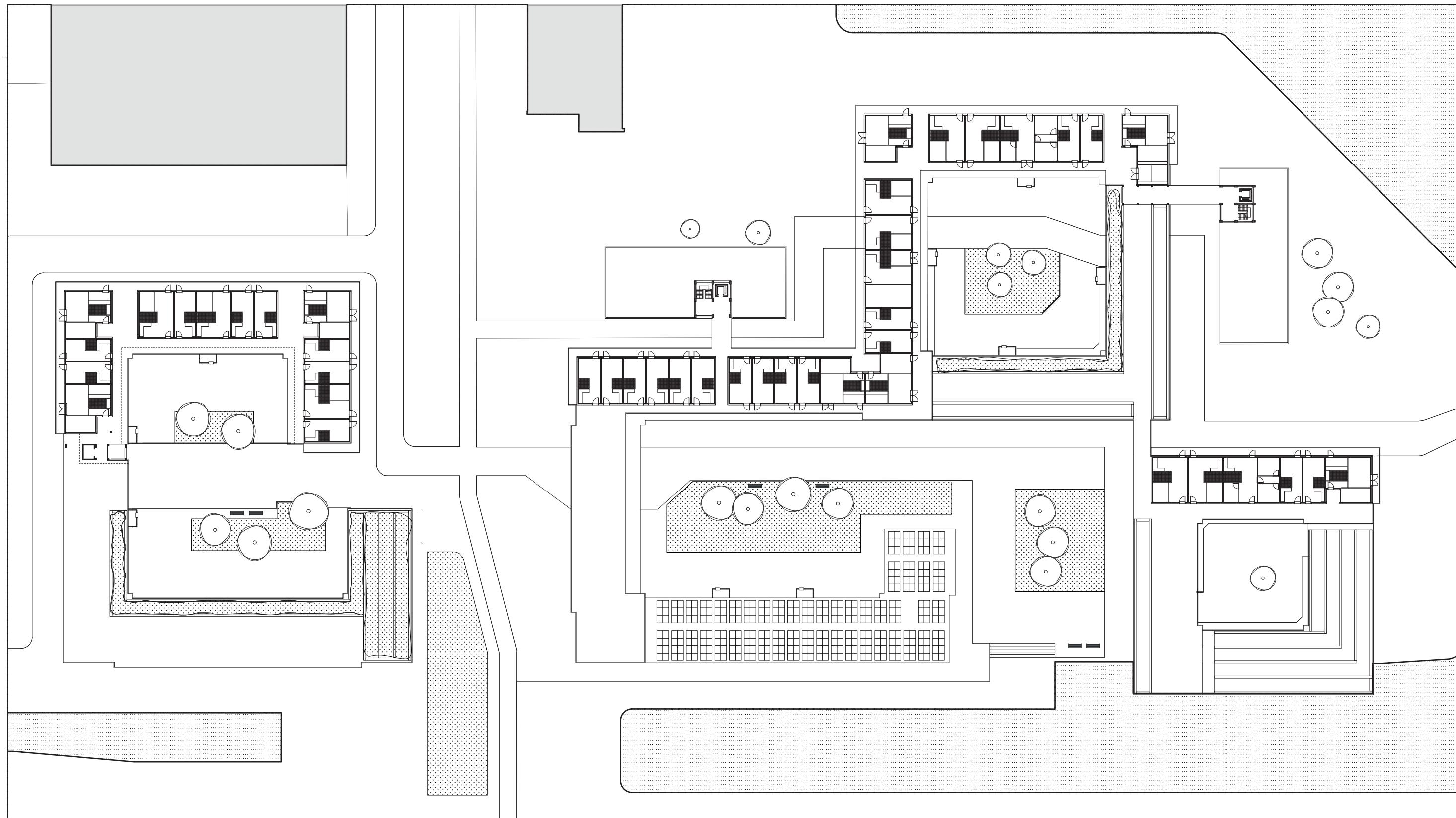


Public housing in Russia,
Built under Chroesjstjov



Design

Life on top

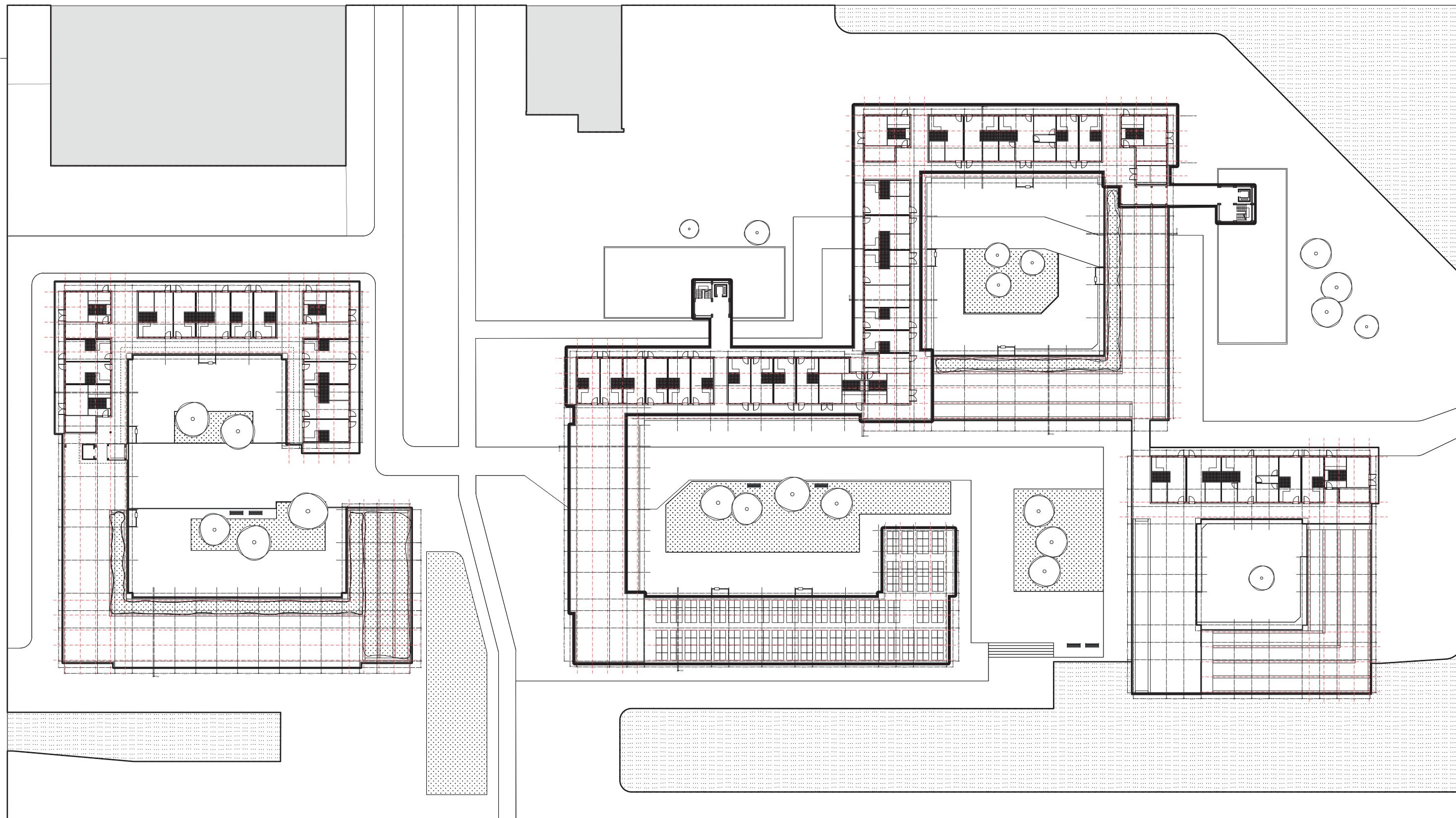


82 dwellings spread over two floors



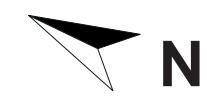
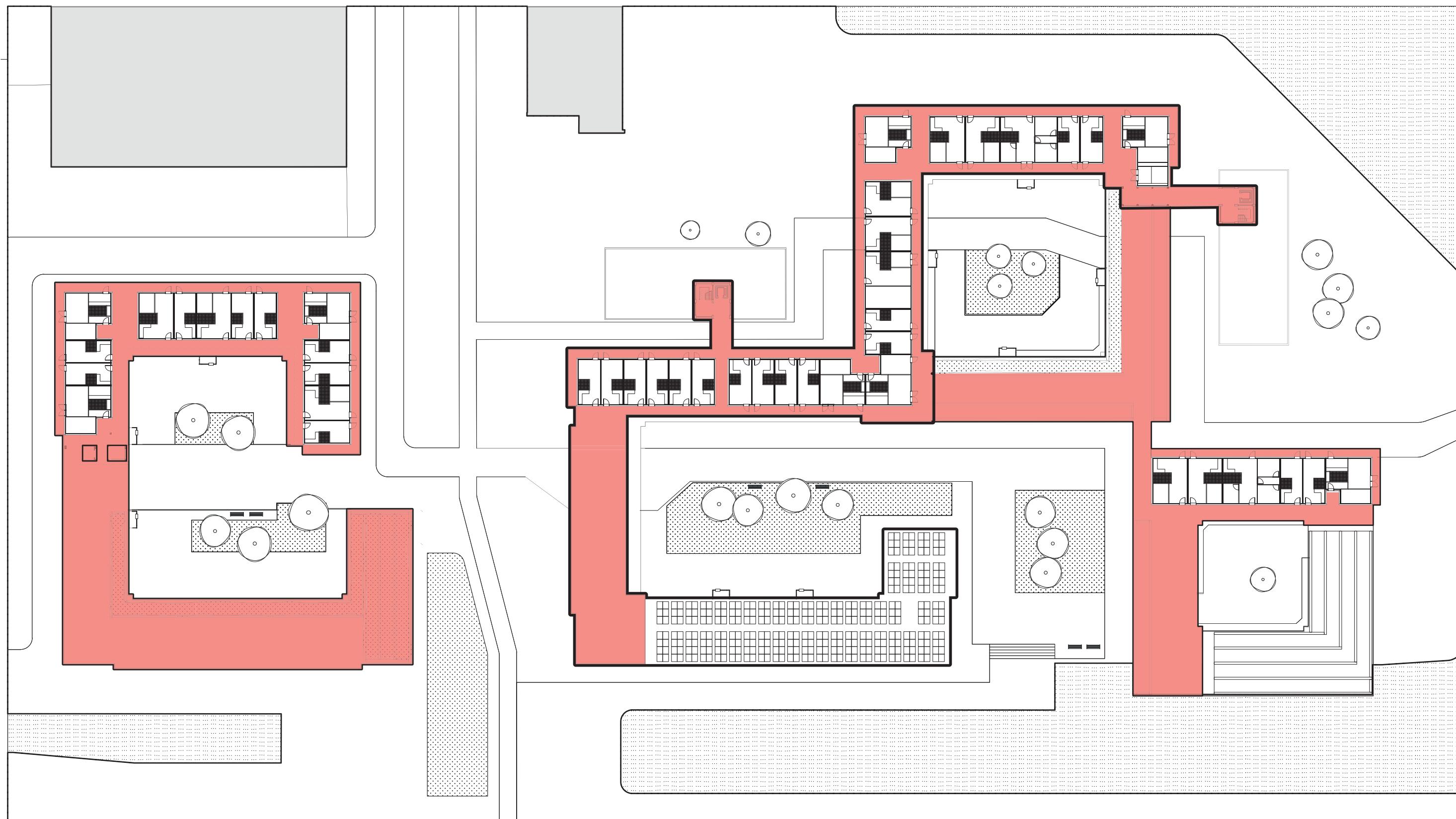
Design

Life on top



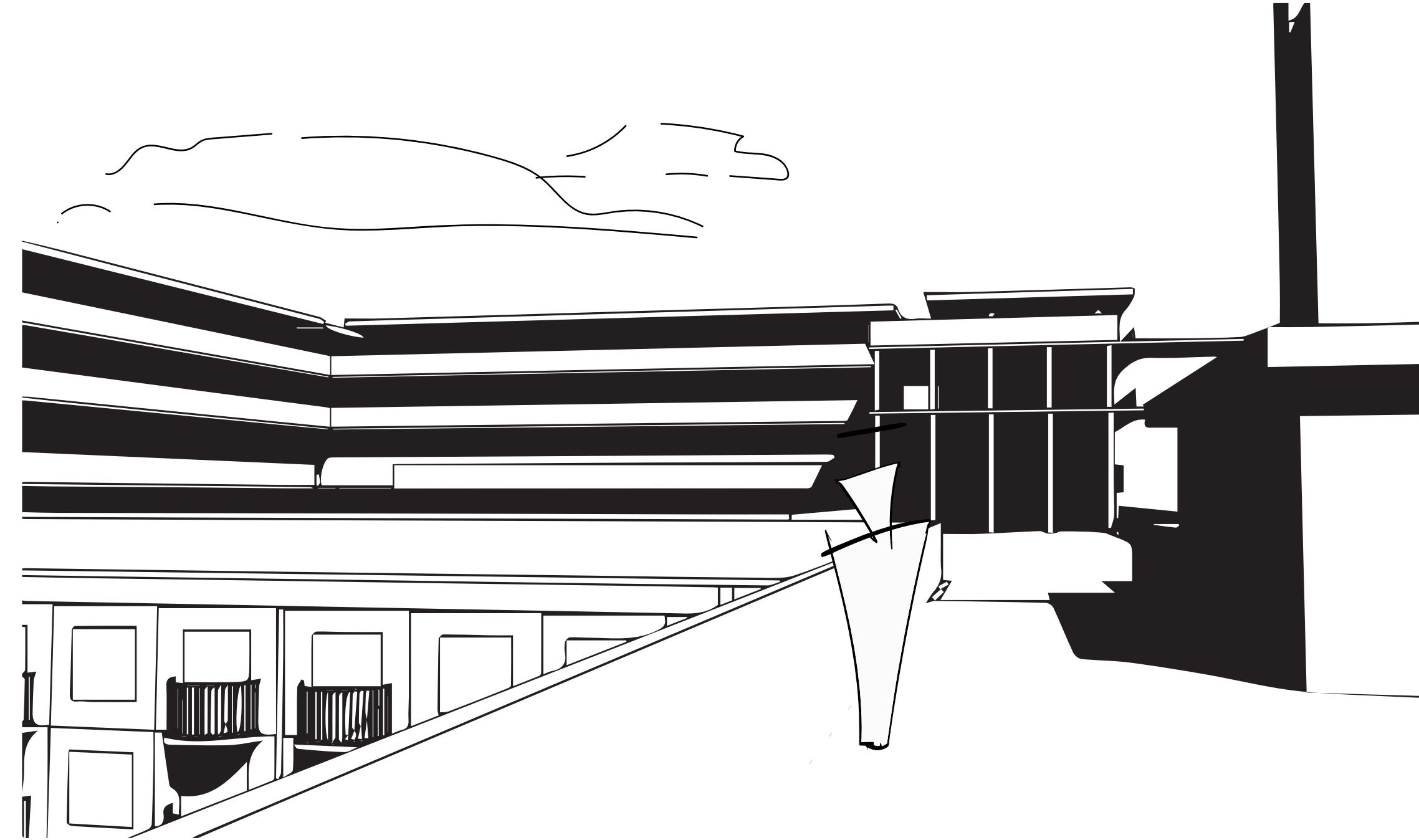
Design

Life on top



Design

Life on top

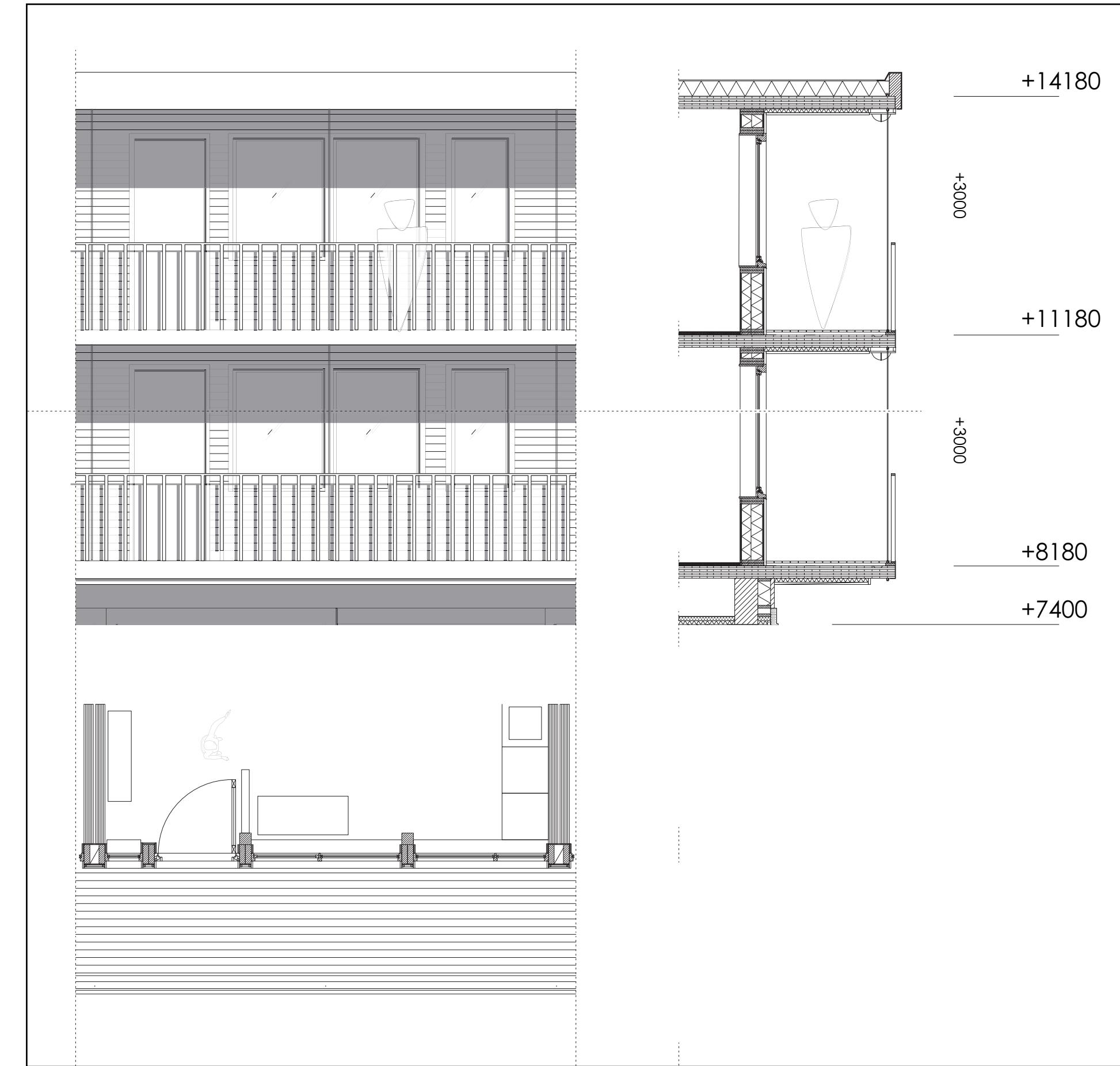


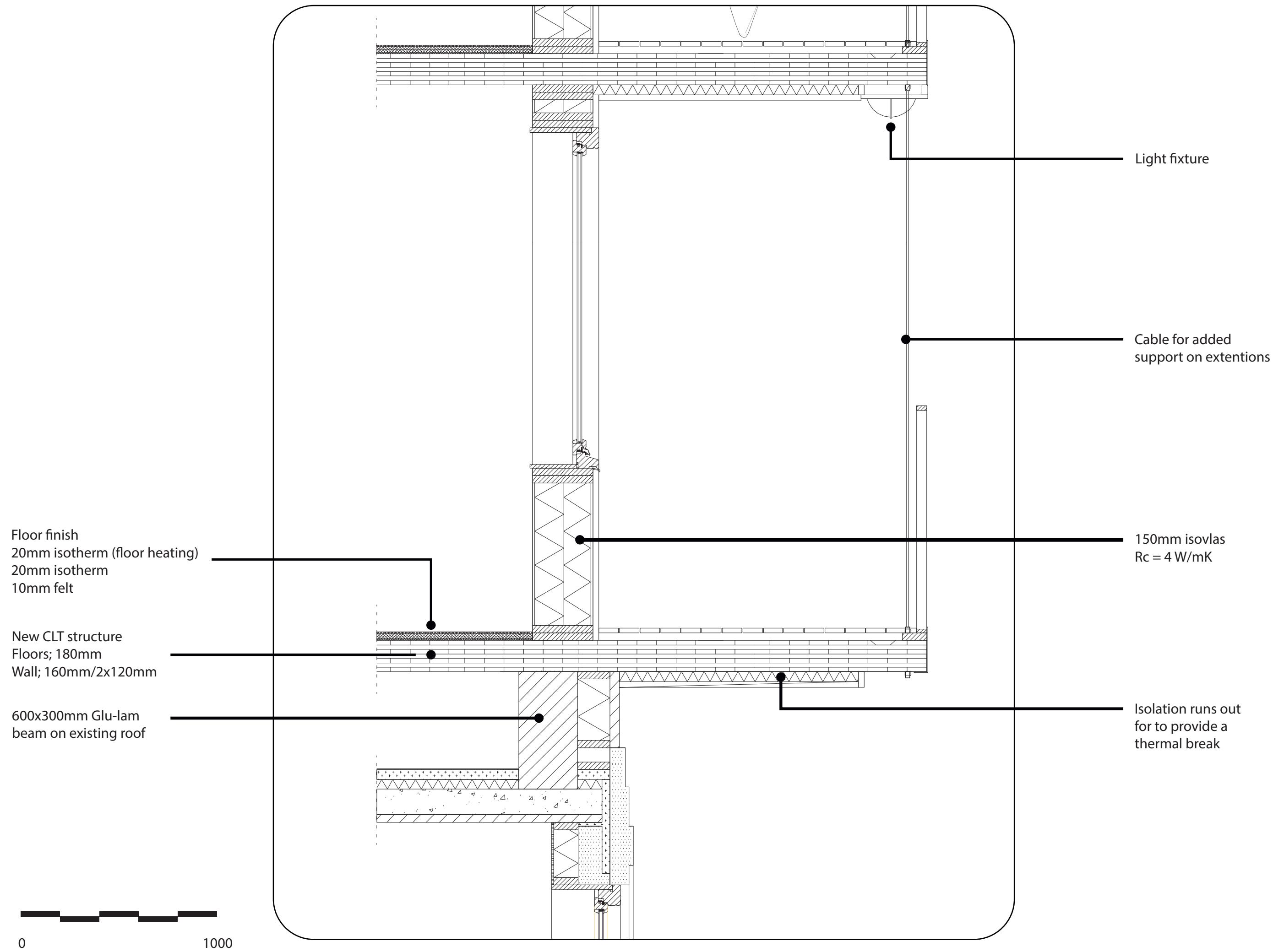
Design

Life on top



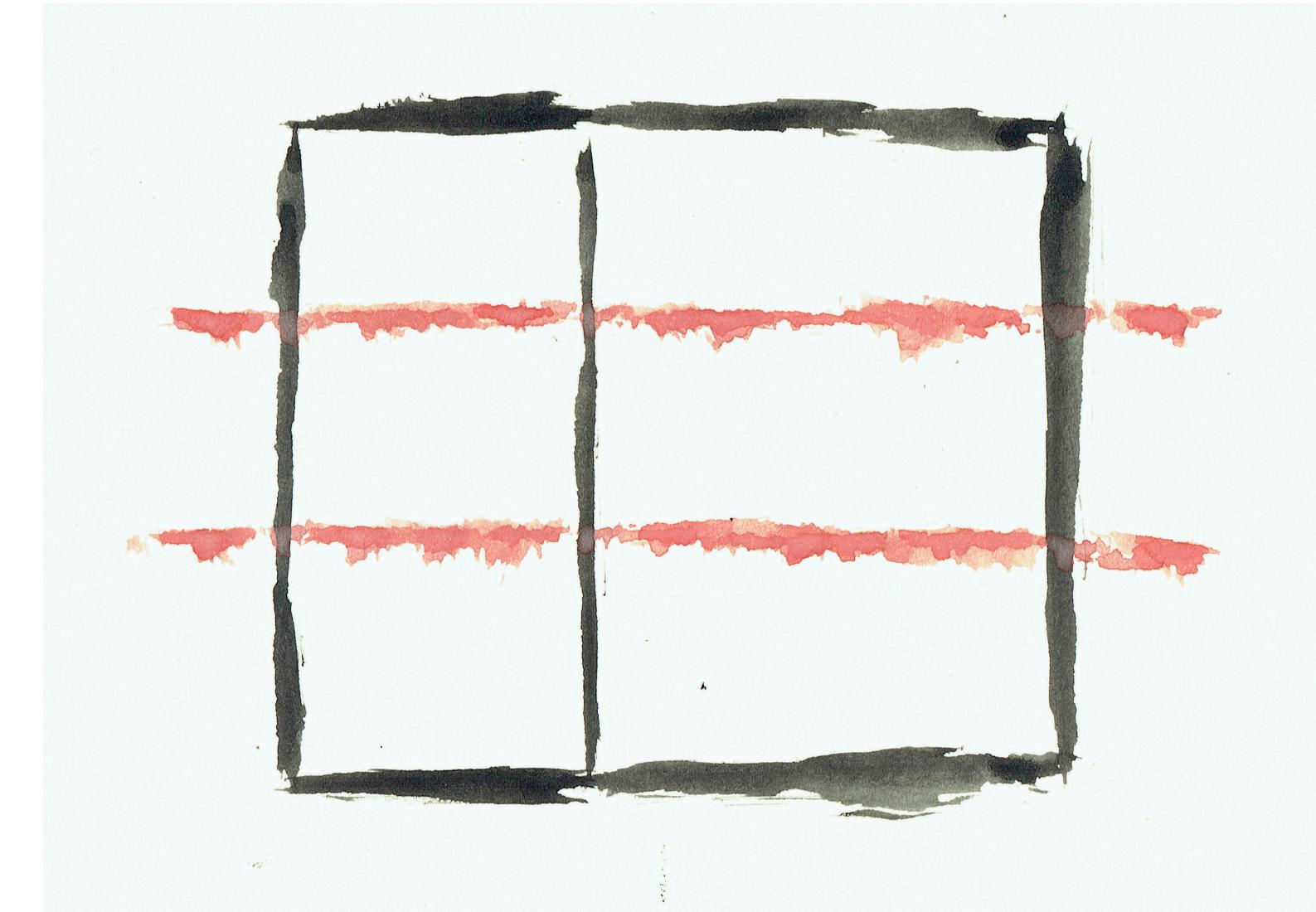
Design Life on top

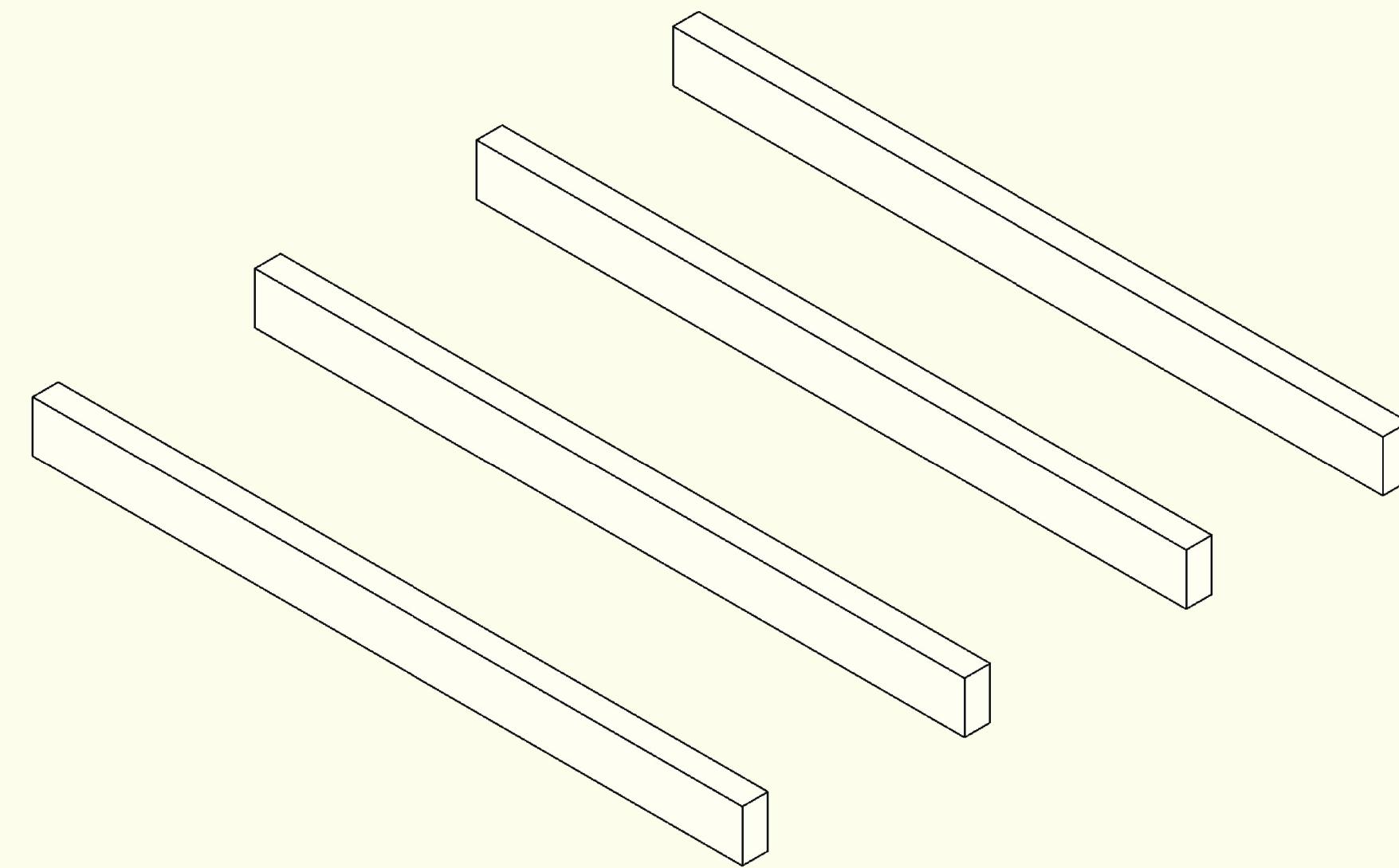


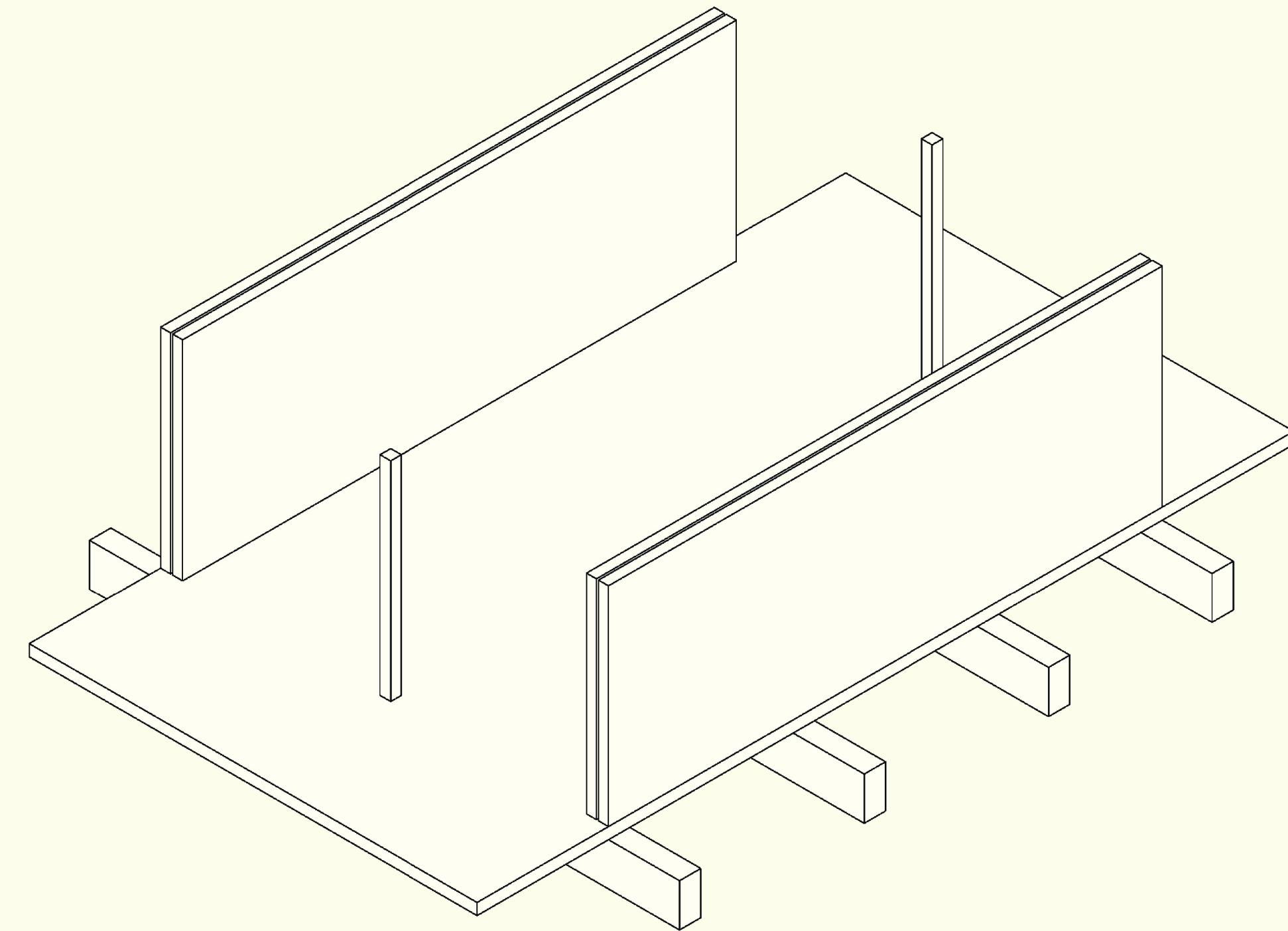


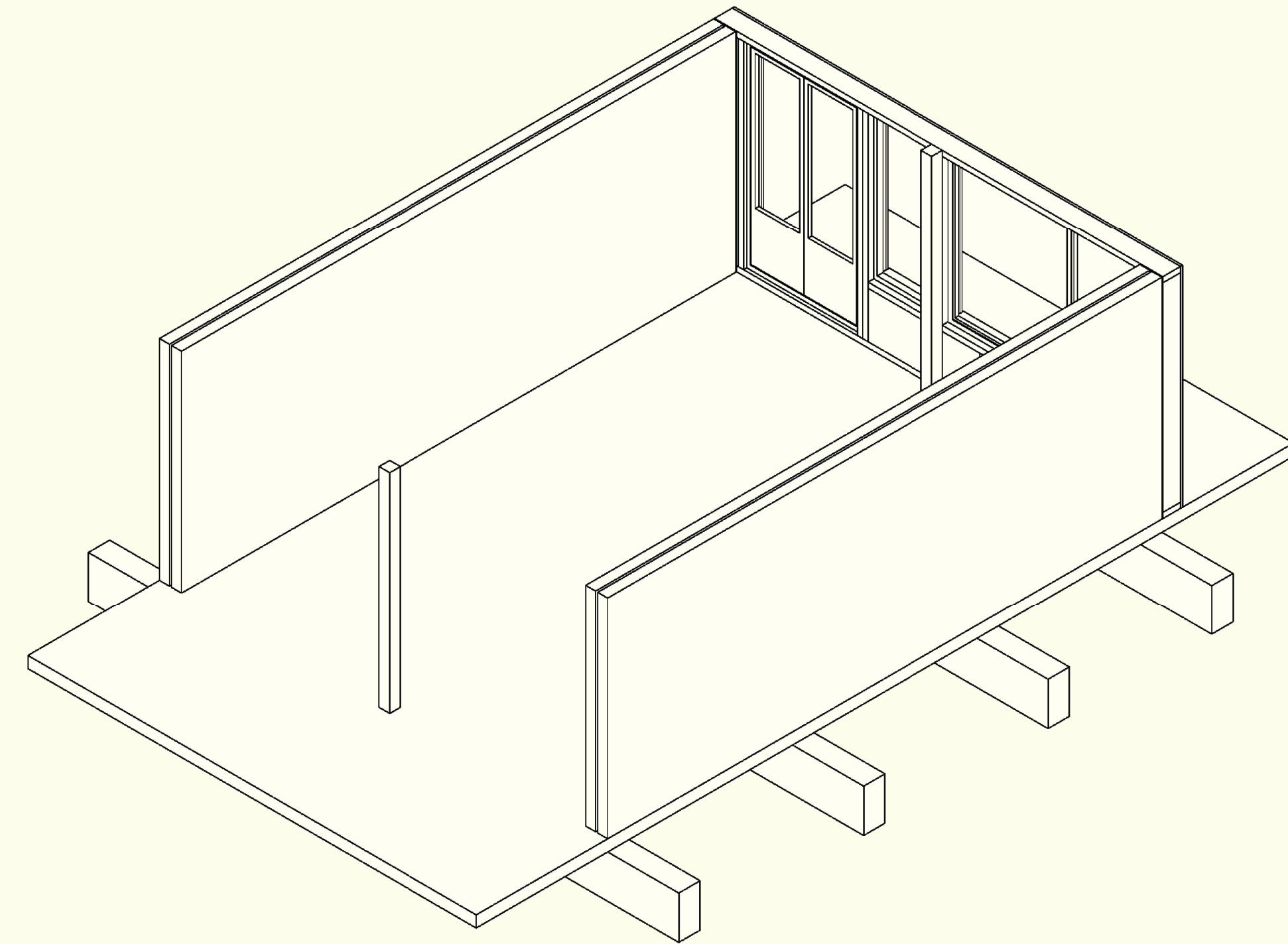
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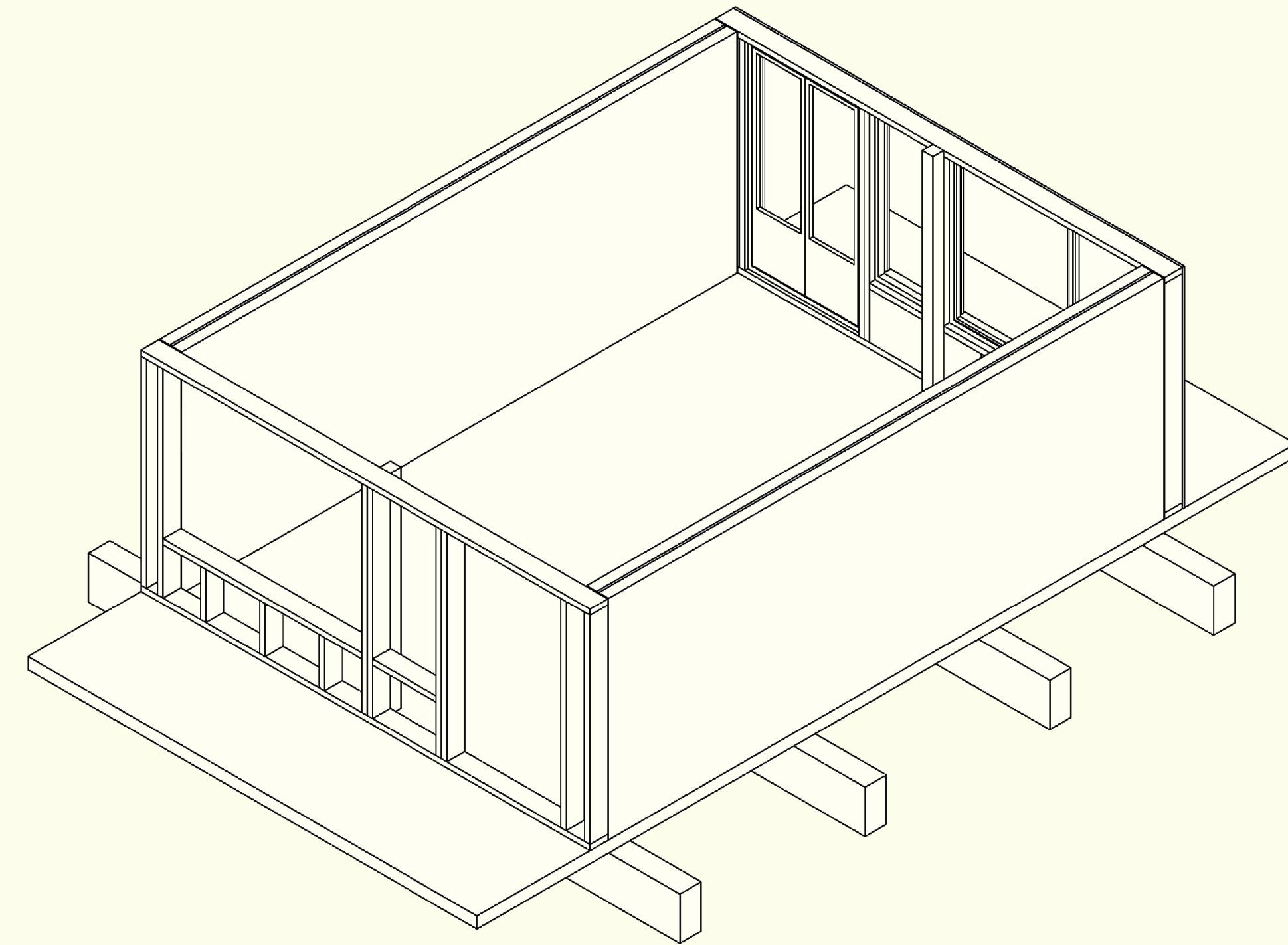
Life on top

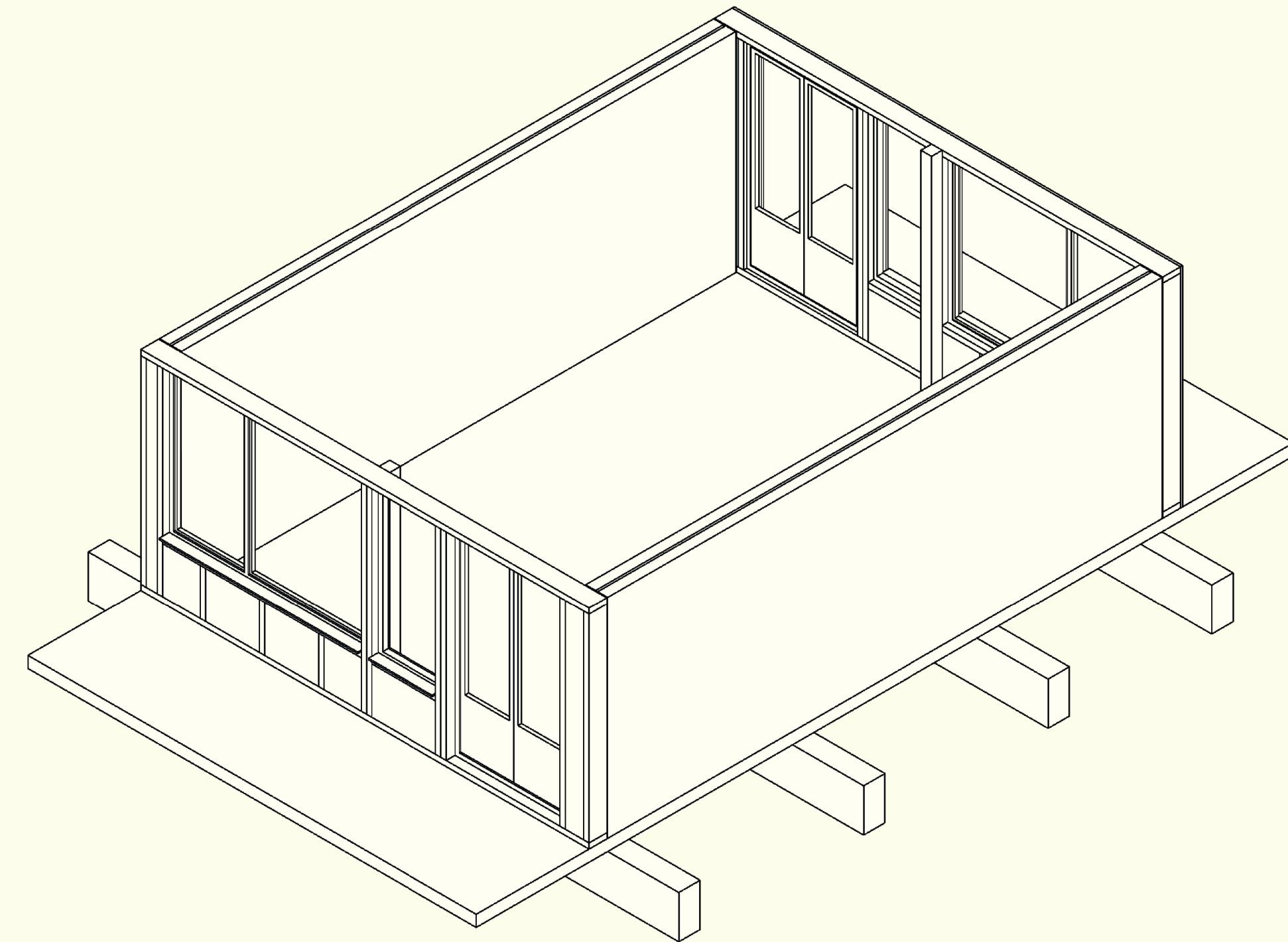


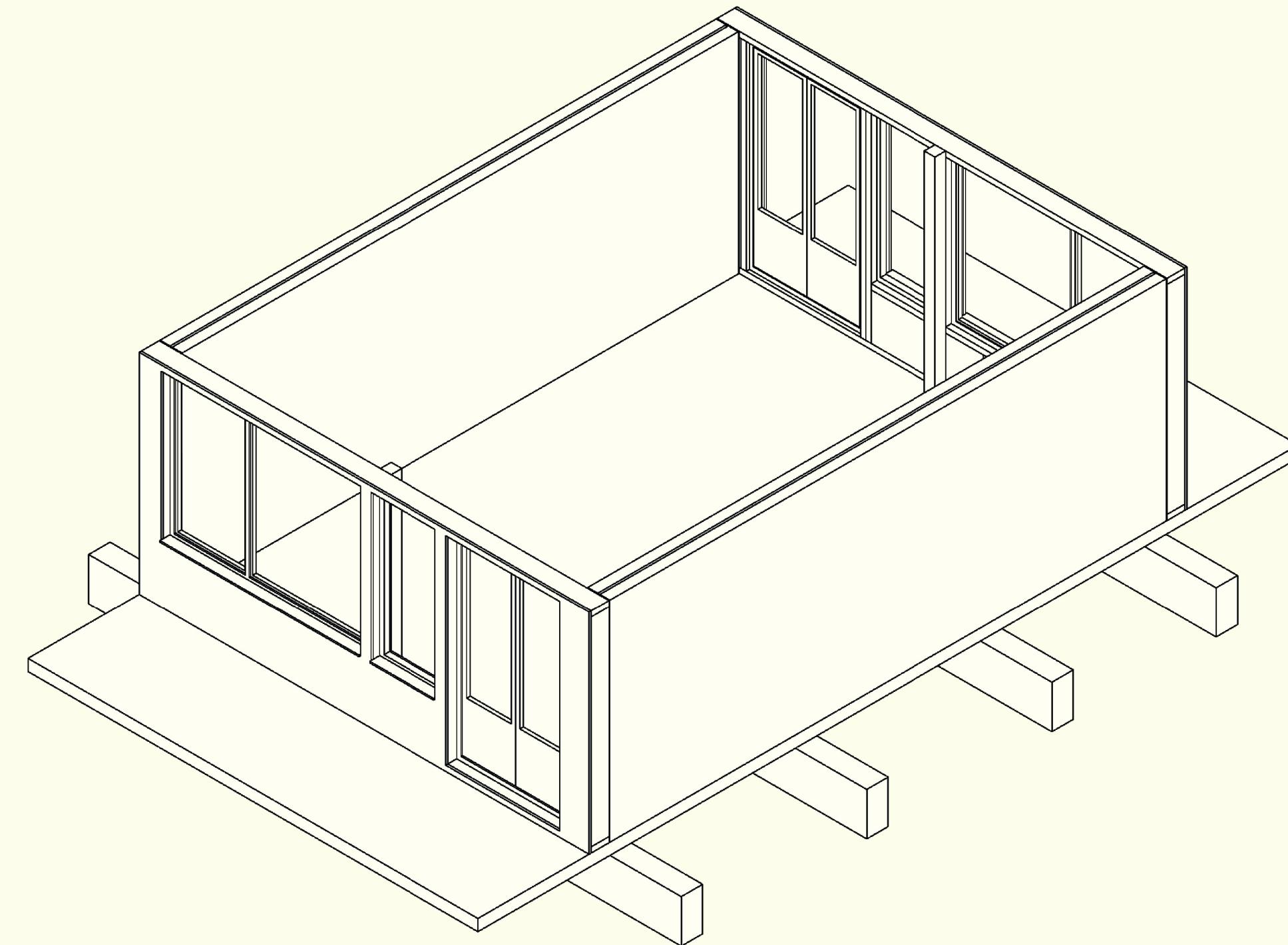












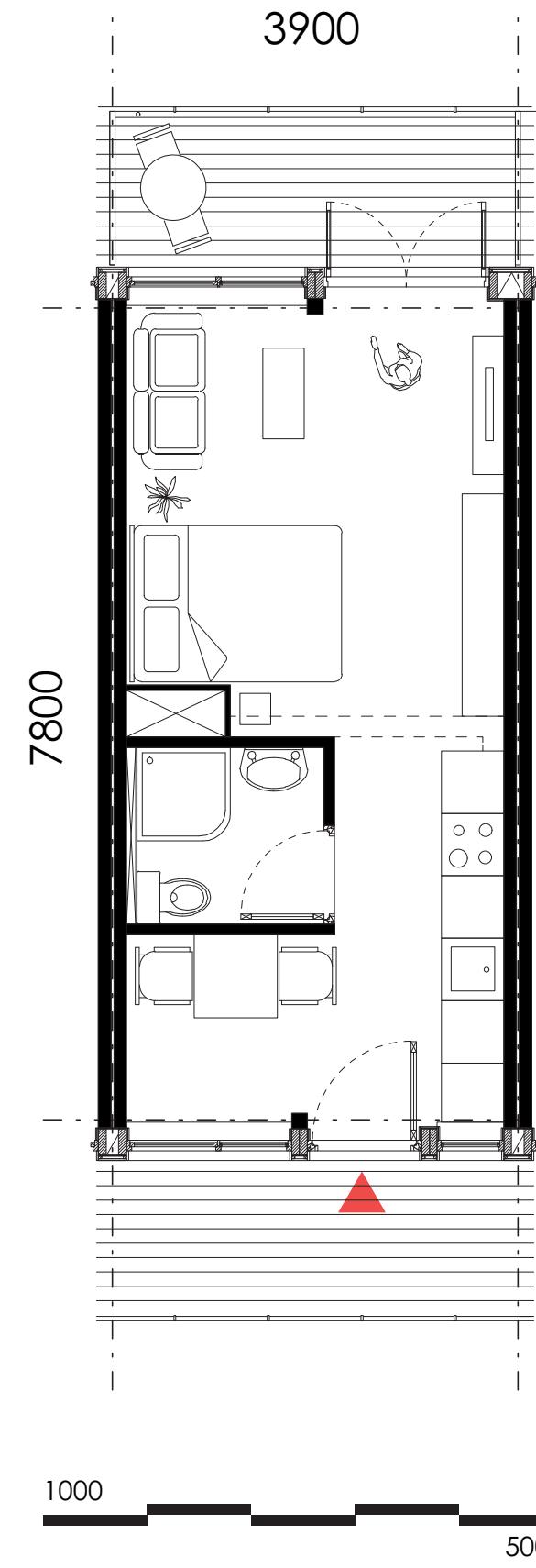
Design

Life on top

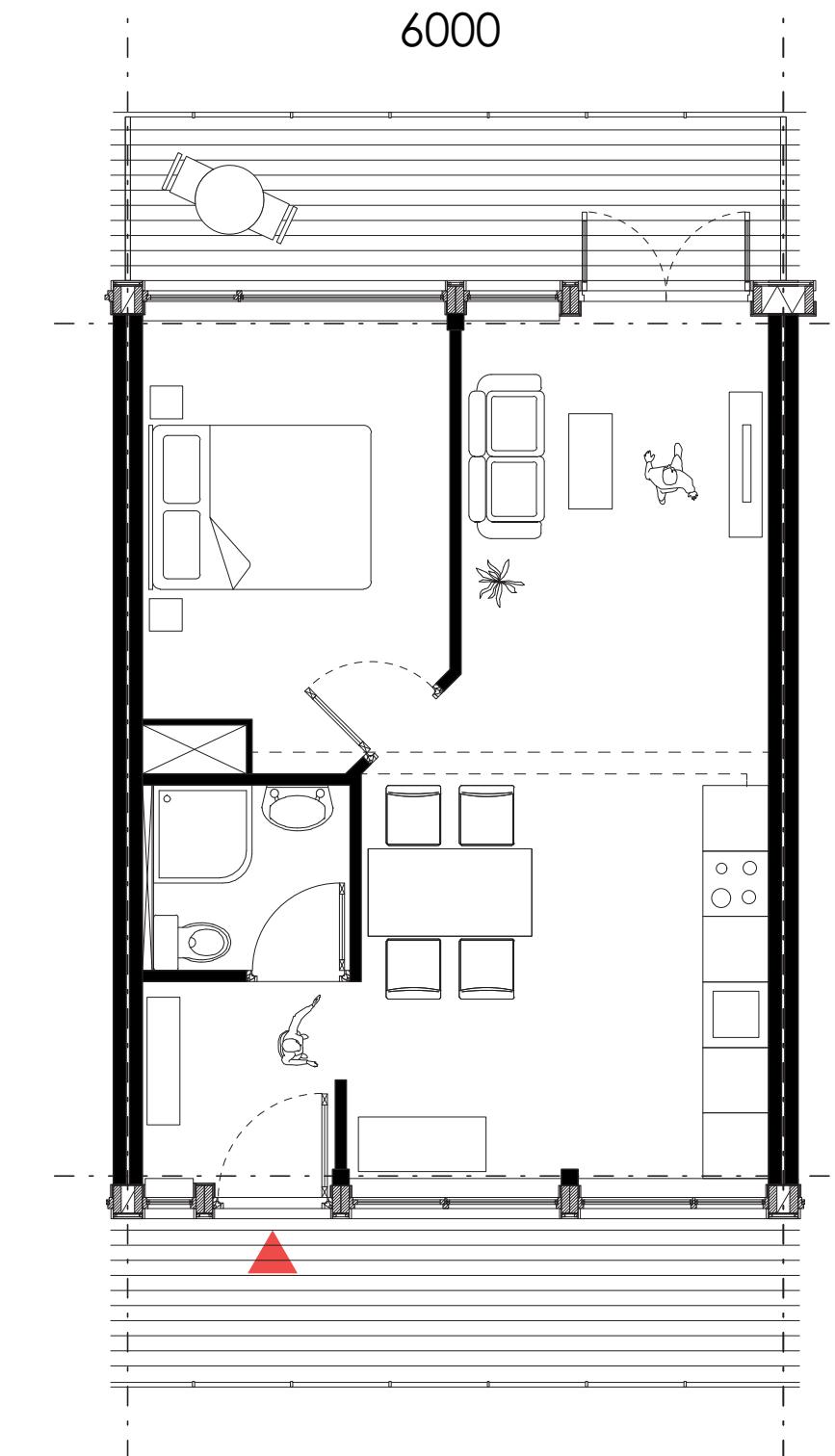
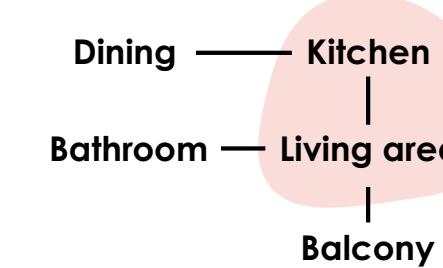


Design

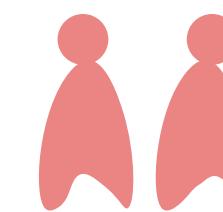
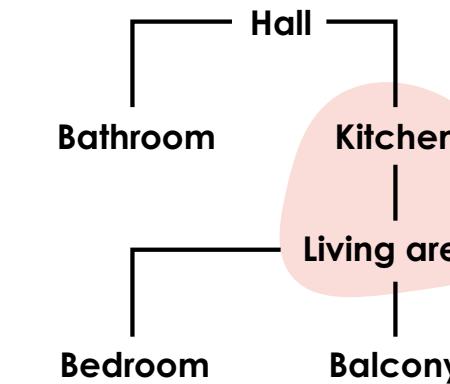
Life on top



Type A - 28.8m² / 6.4m² balcony



Type B - 45.6m² / 10m² balcony

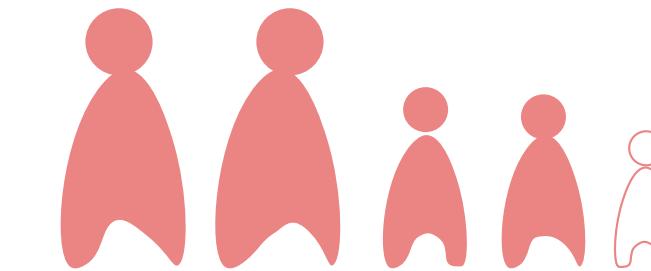
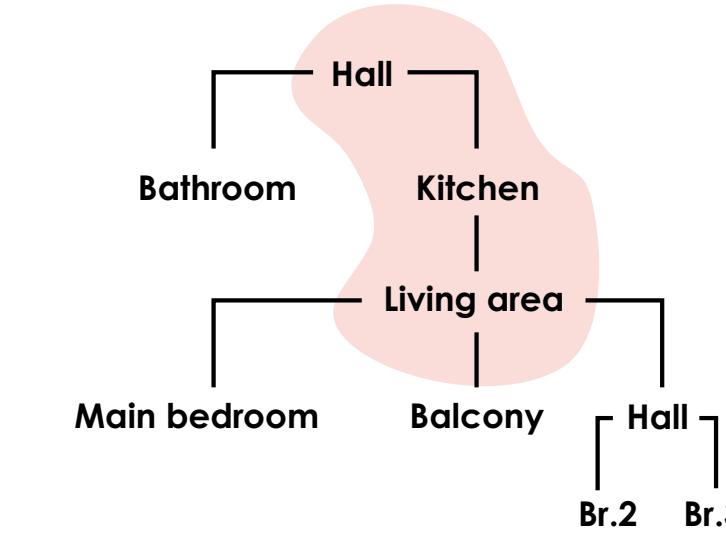


Design

Life on top

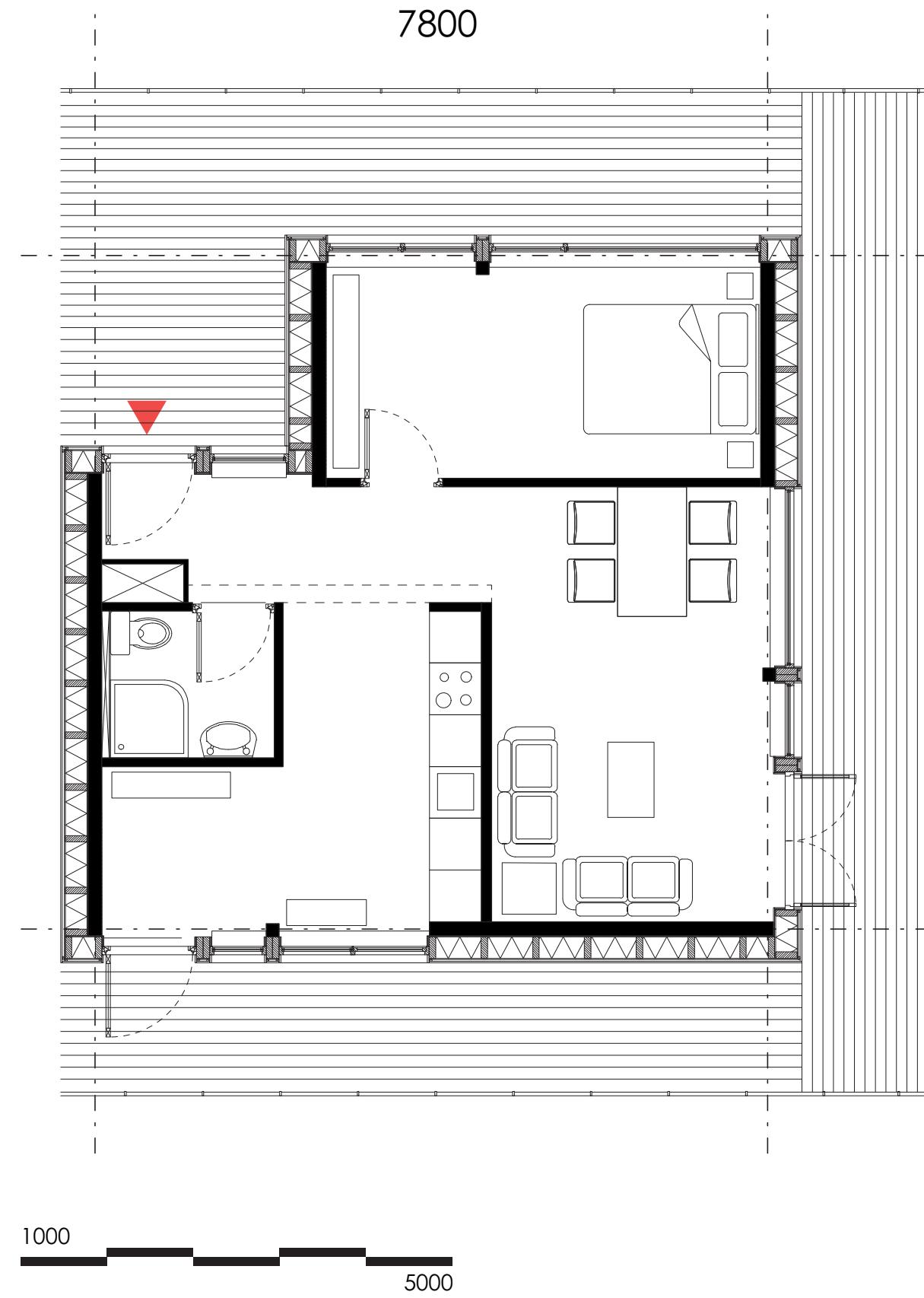


Type C - 76,6m² / 16m² balcony

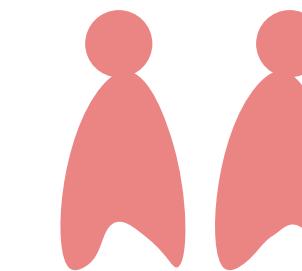
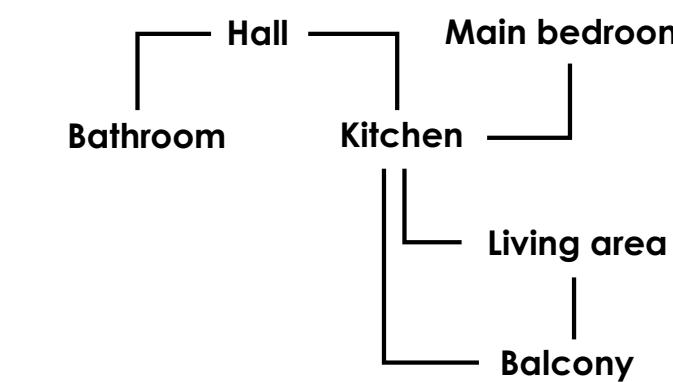


Design

Life on top



Type D - 53m² / 27,4m² balcony



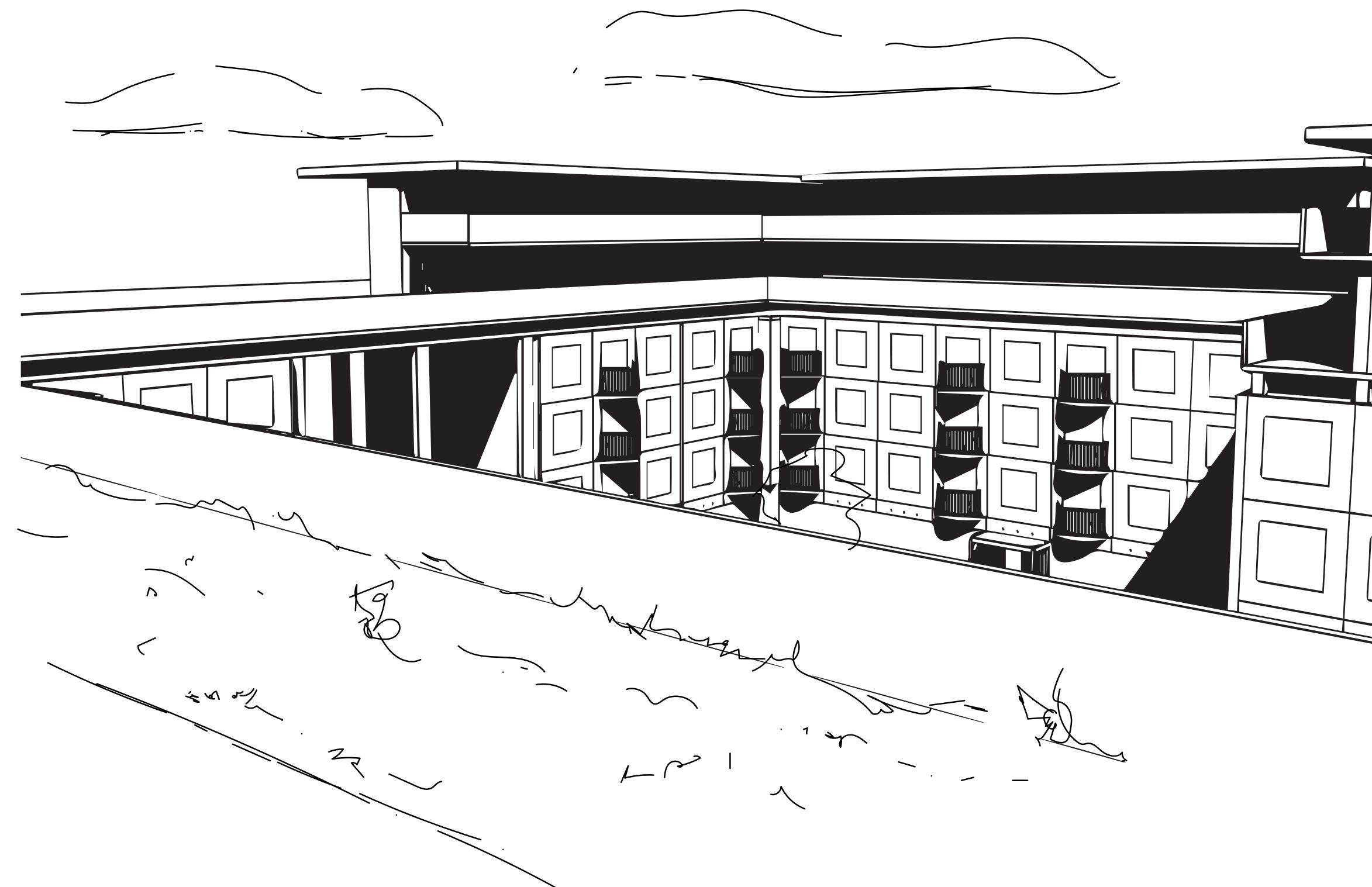
Design

Life on top



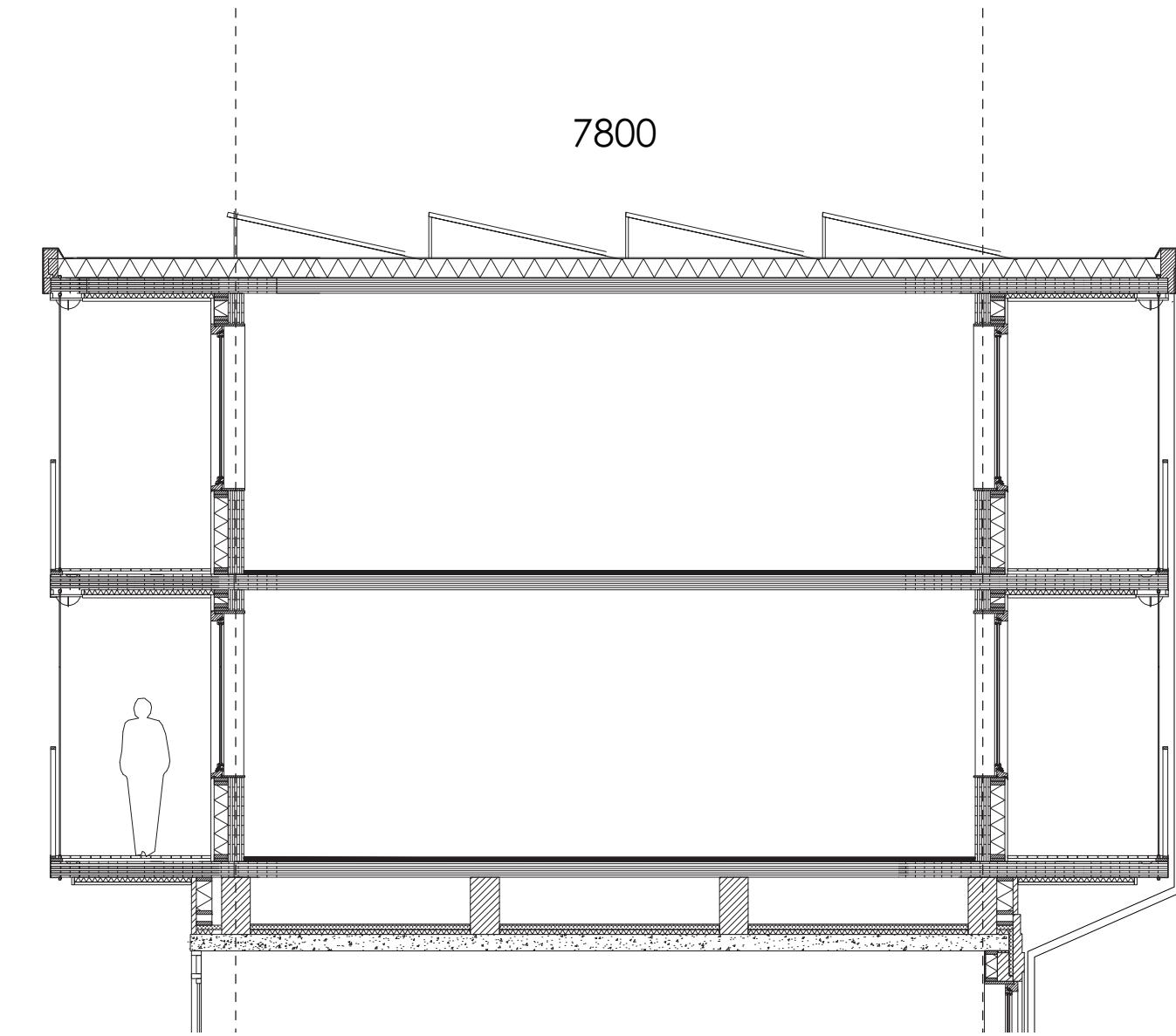
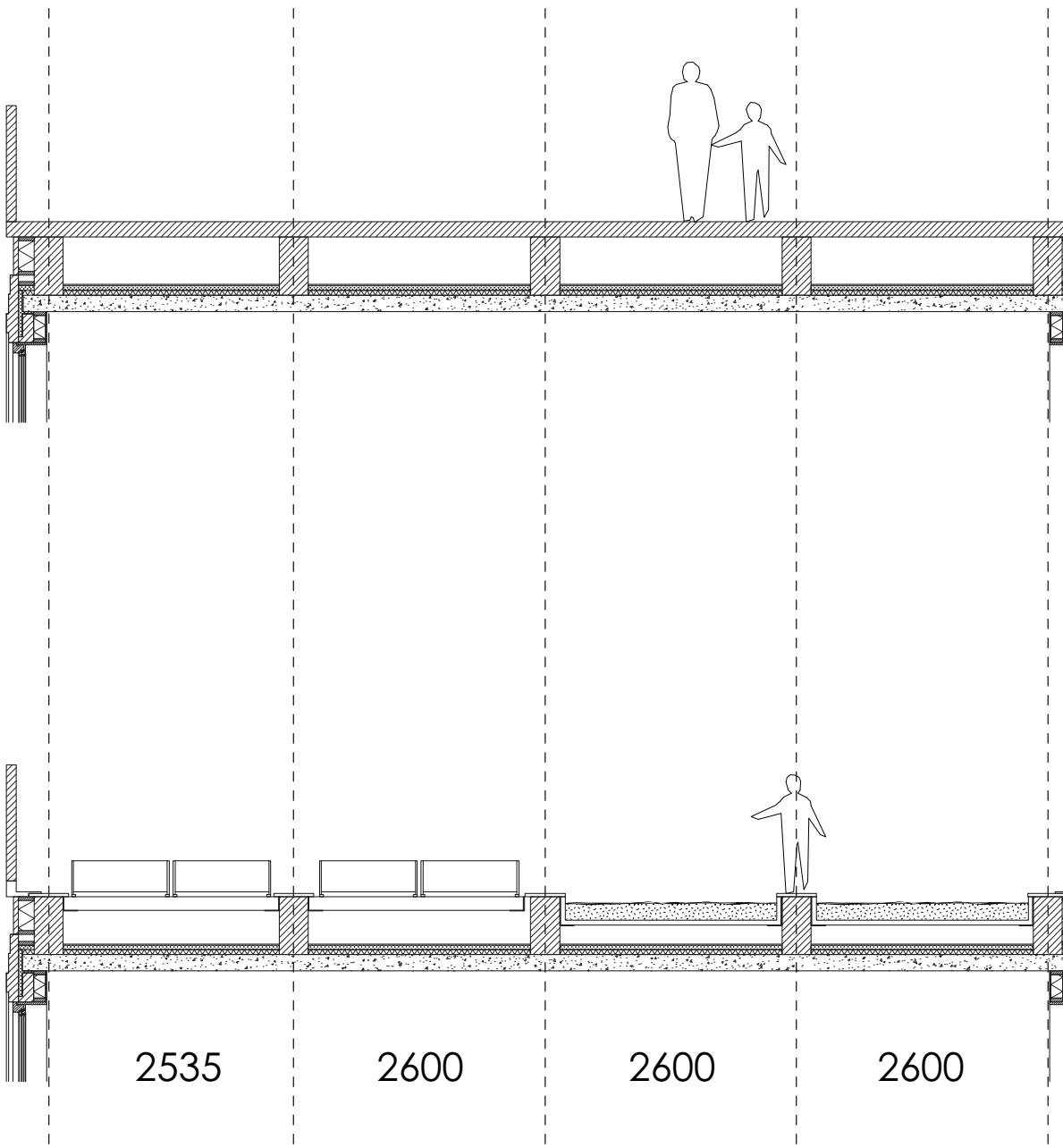
Design

Life on top



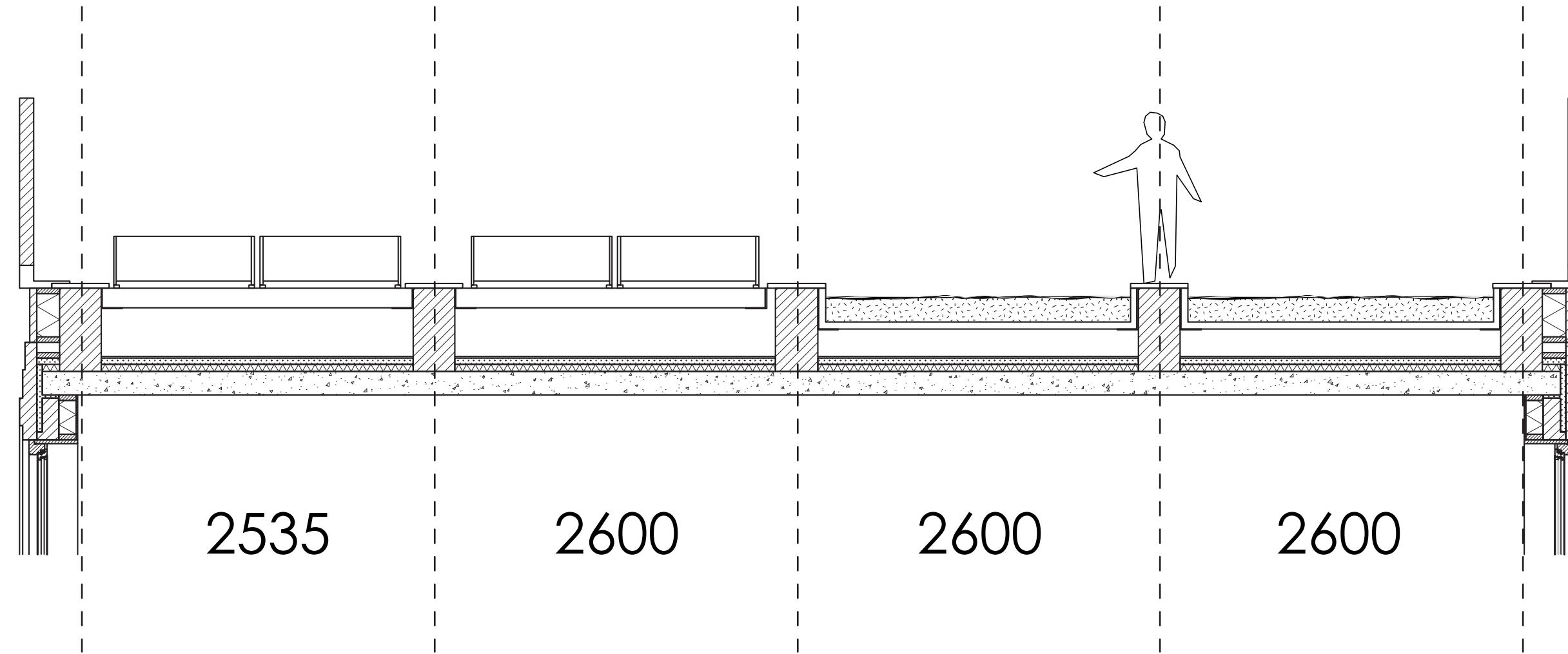
Design

Life on top



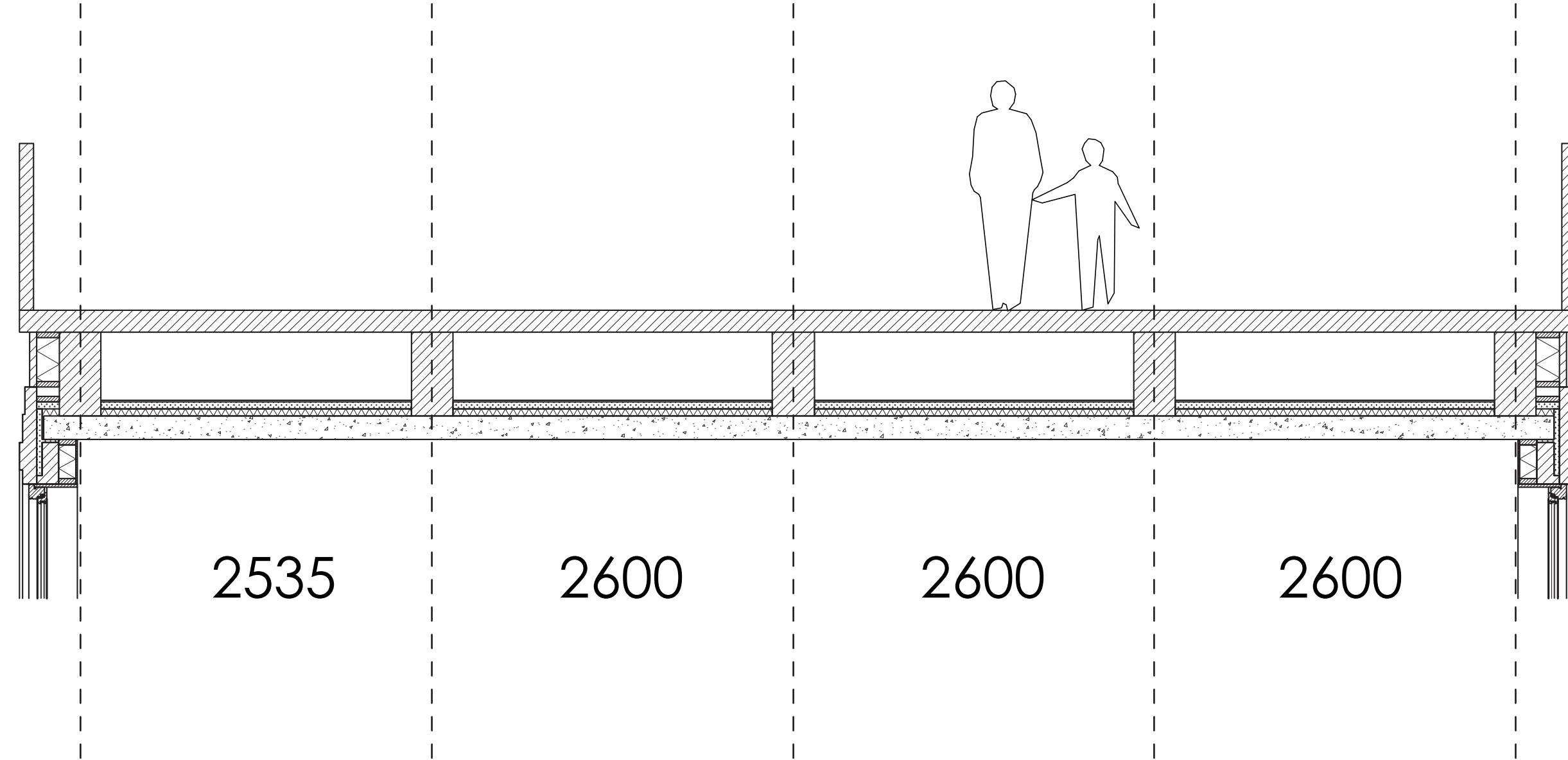
Design

Life on top



Design

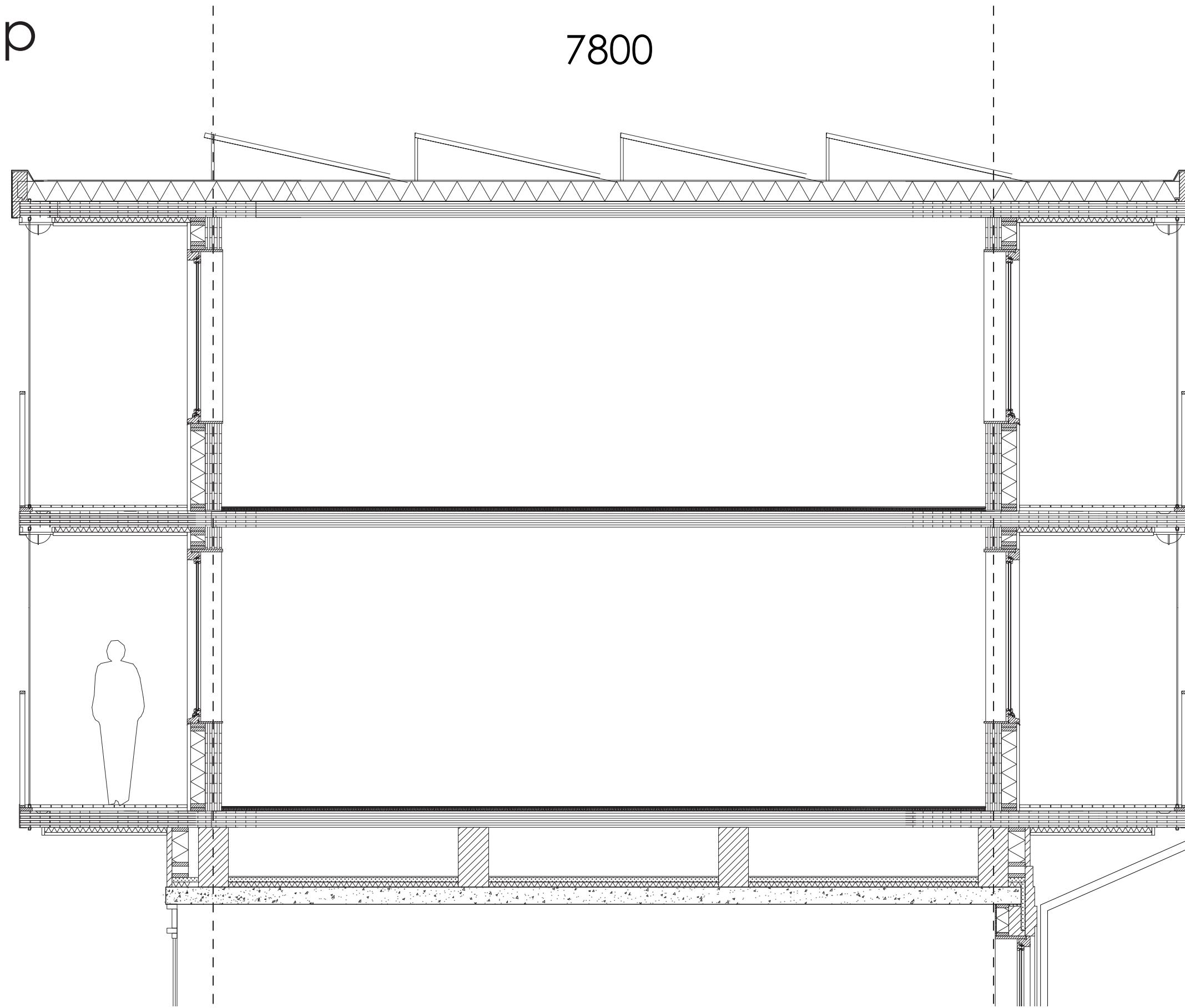
Life on top



Design

Life on top

7800





Reflection

Affordability is the balance in cost and quality

=

Economy

Ecology

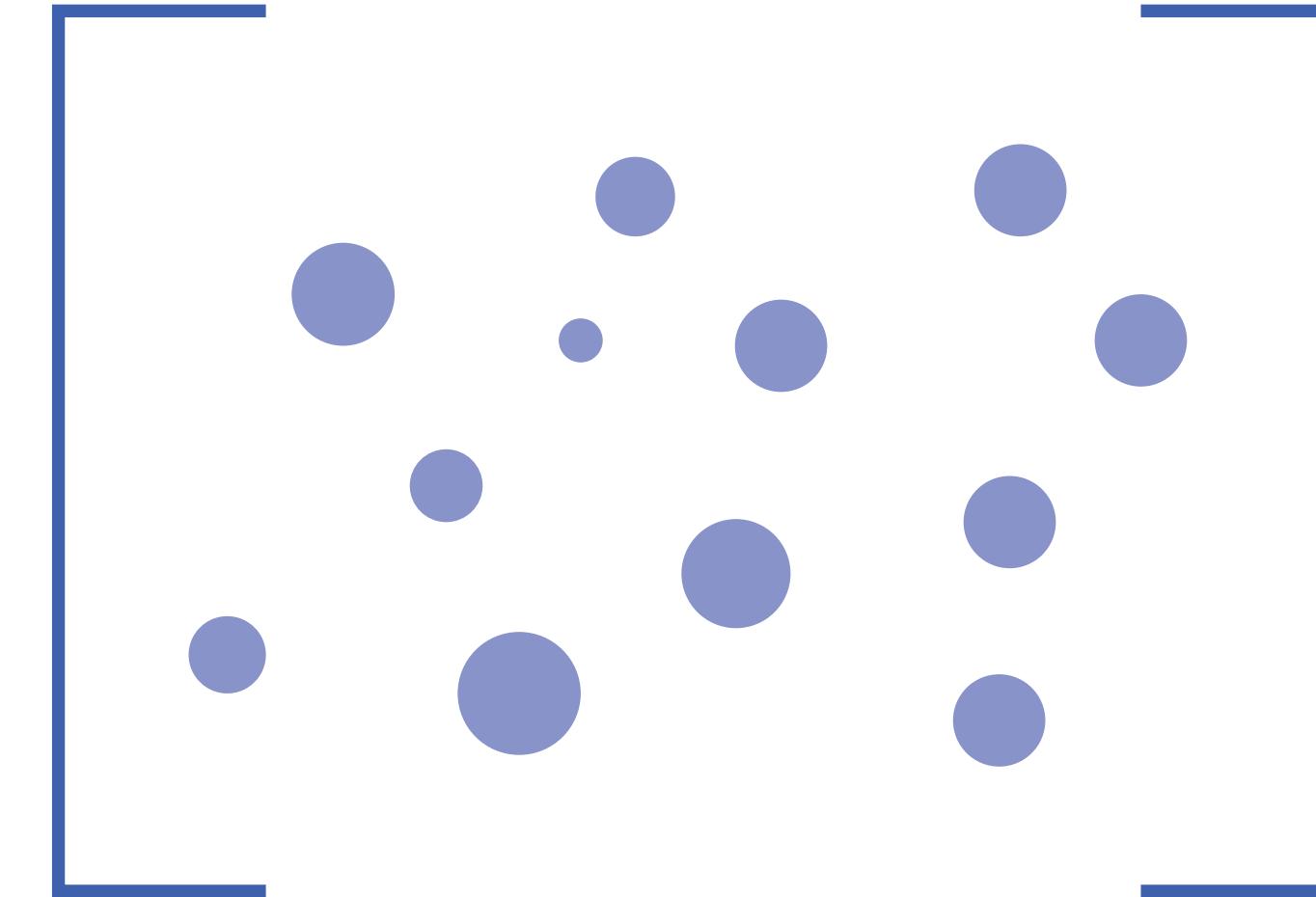
Social

“Securing some given standard of housing at a price or a rent which does not impose, in the eyes some third party, an unreasonable burden on household income.” (Maclennan and Williams, 1990, p. 9)

“Households should be able to occupy housing that meets well-established norm of adequacy at a net rent which leaves them with enough income to live on without falling below some poverty standard.” (Bramley, 1990b, p. 16)

Reflection

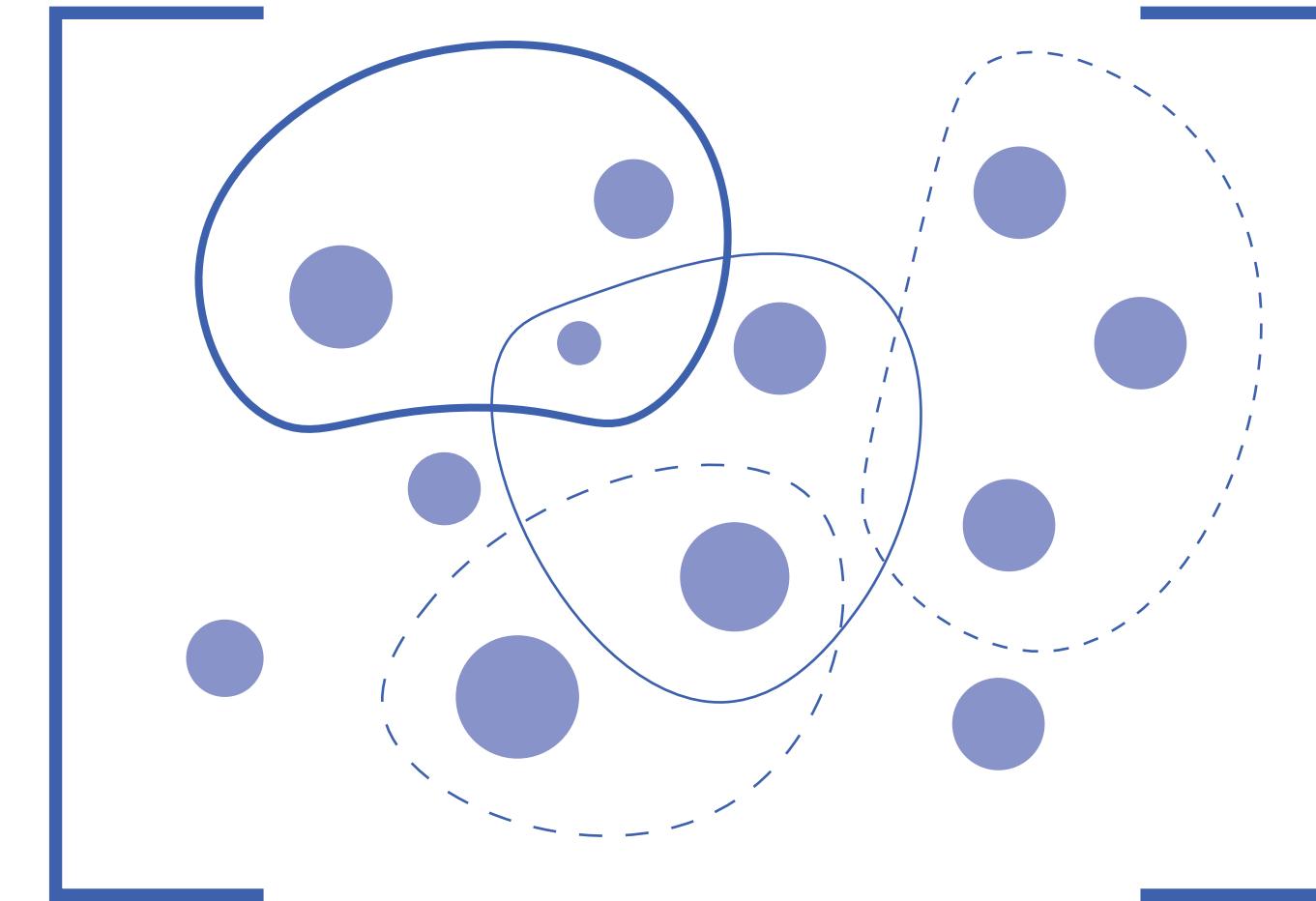
Identify



cultural value

Reflection

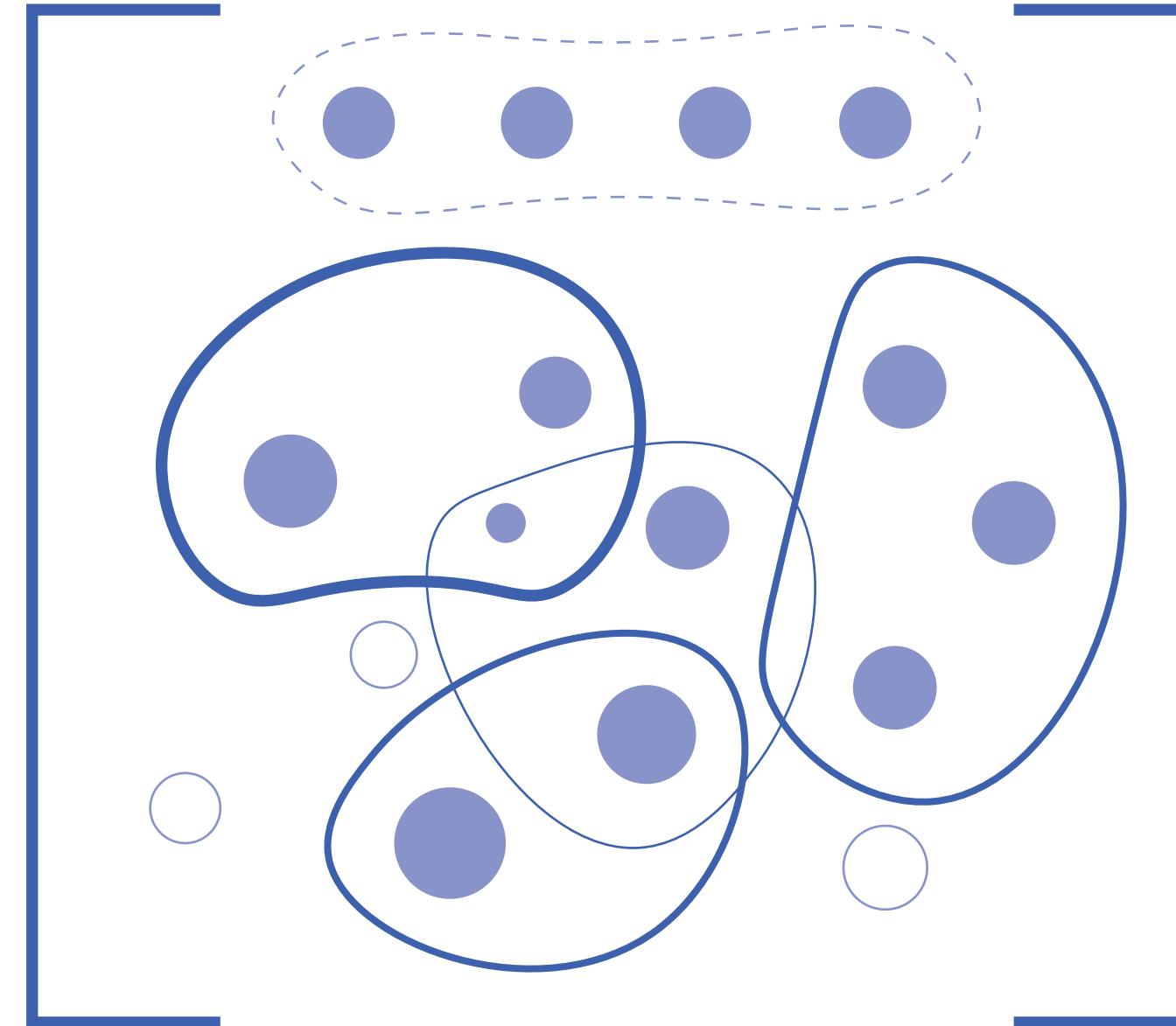
Identify



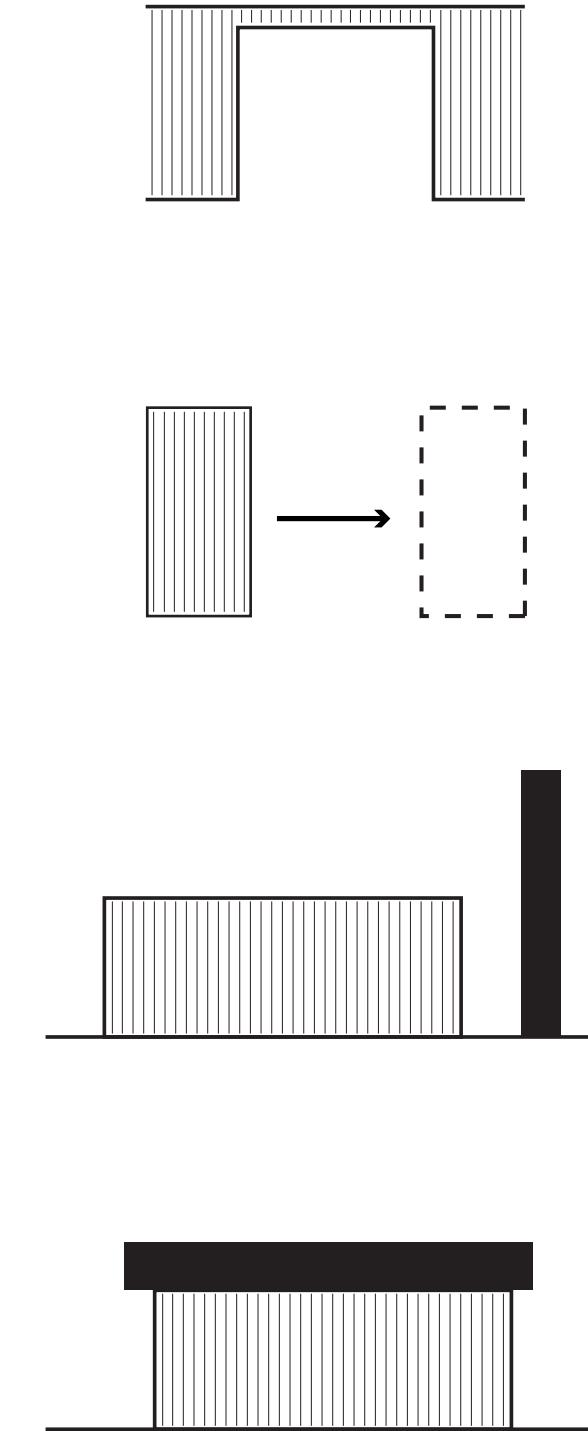
heritage value

Reflection

act



consolidation & expansion



Reflection

