



Growing up in the city

Creating a safe environment for young families
in the center of Amsterdam

Growing up in the city

Problem statement

nrc.nl

Digitale editie

Webwinkel

Binnenland

Buitenland

Economie

Cultuur

Sport

Opinie

Wetenschap

Tech & Media

Jonge gezinnen trekken weg uit de grote steden

🕒 9 juni 2016



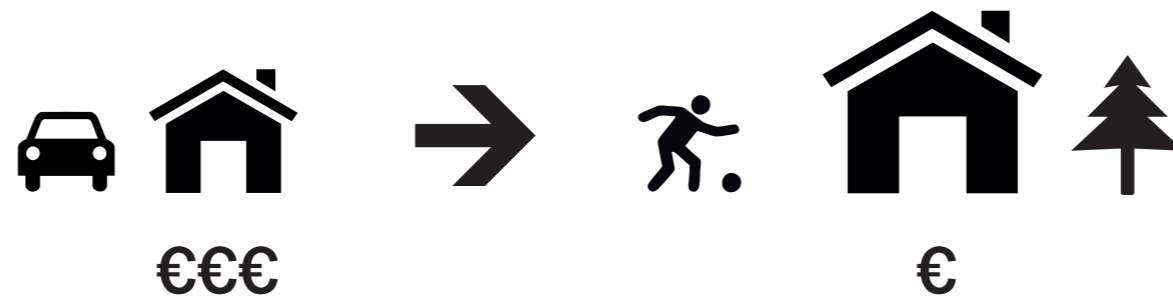
Growing up in the city

Problem statement

Reasons to leave

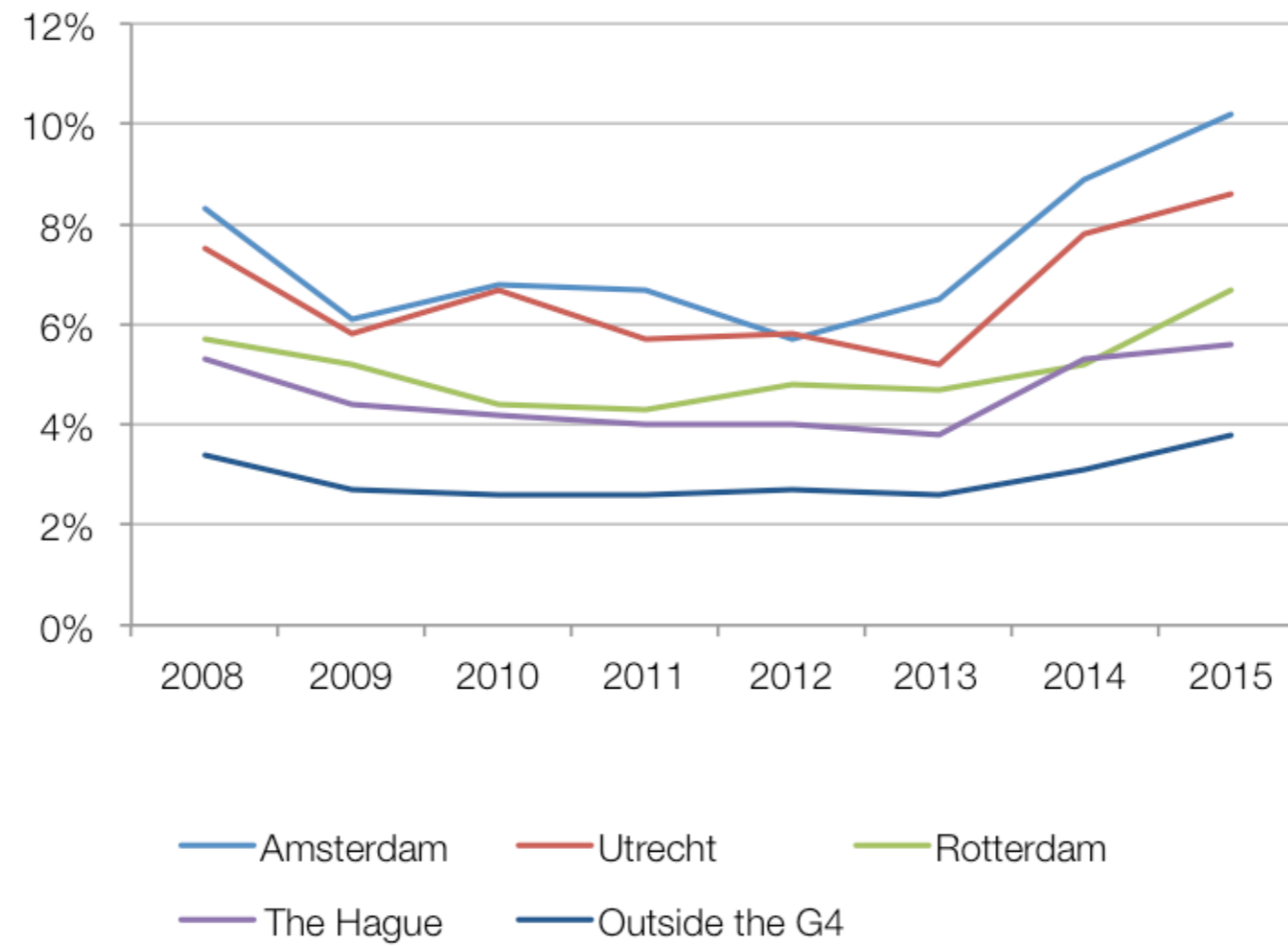
Small dwellings
No or limited outdoor space
High costs

Traffic (pressure)
Unsafe feeling



Growing up in the city

Problem statement



Growing up in the city

Problem statement

Reasons to stay

Cultural climate
Social connections
Lifestyle



Growing up in the city

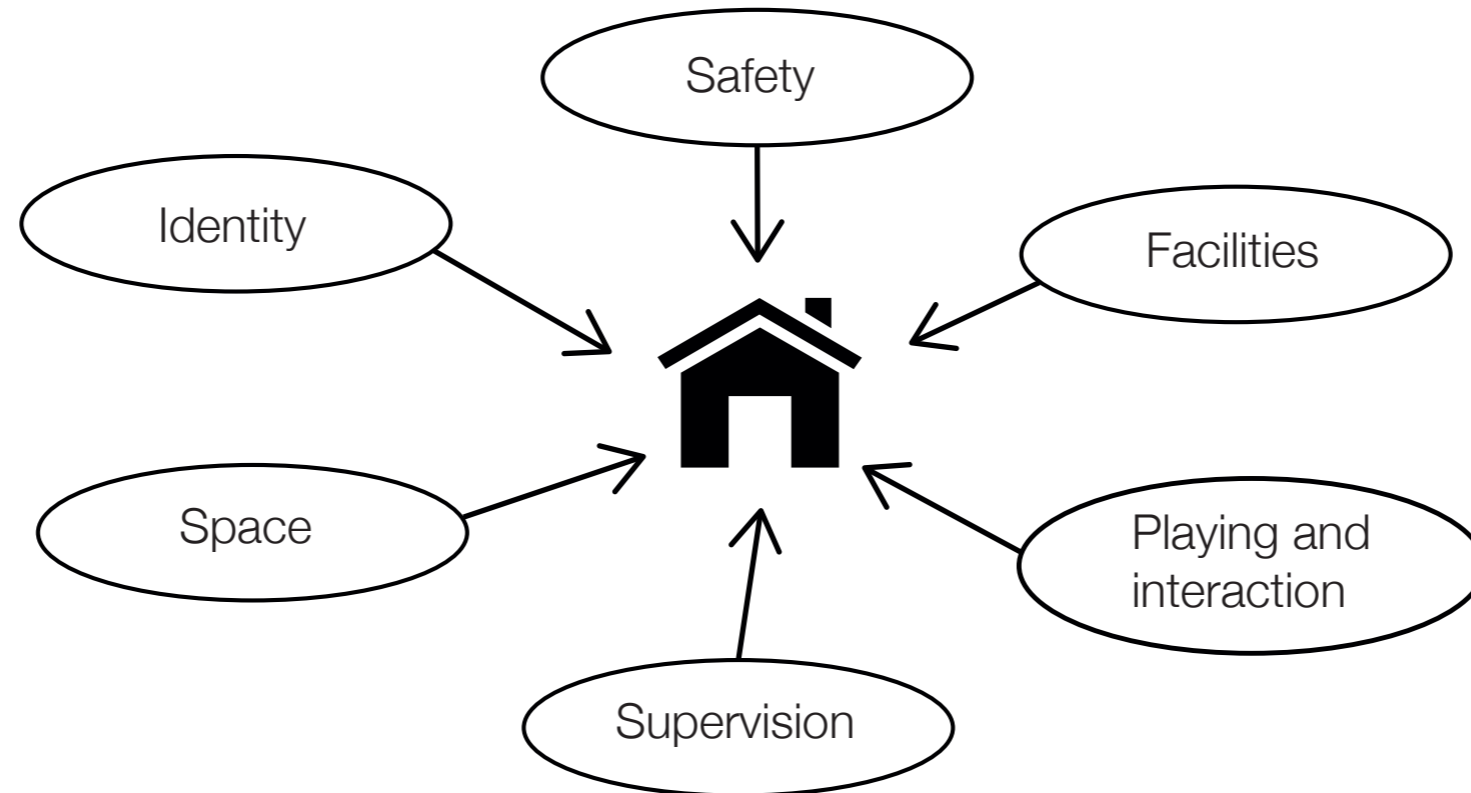
Research question

Research question

What are the **needs** of young families and which **design solutions** can satisfy them on the neighbourhood, building and dwelling scale?

Growing up in the city

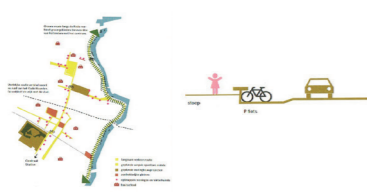



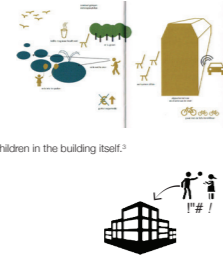
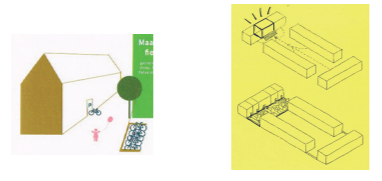

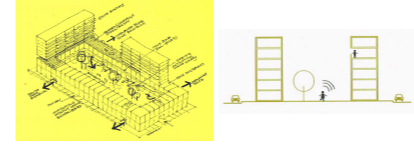
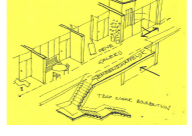
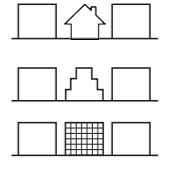
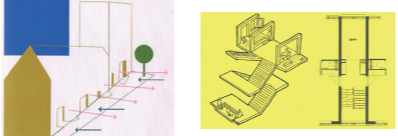
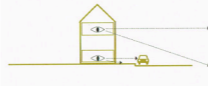
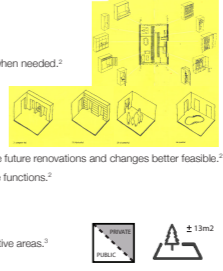
Needs



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Design solutions

Design solutions


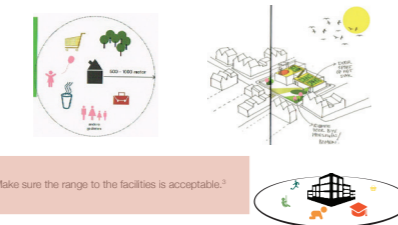


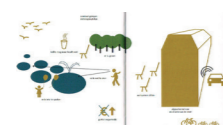

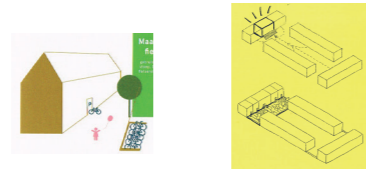


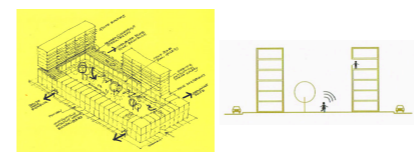
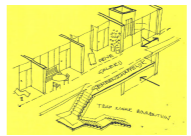
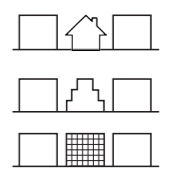
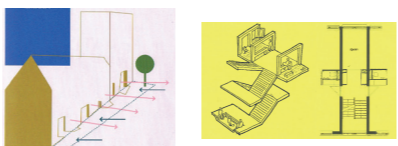
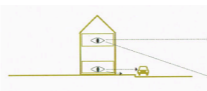


	Safety	Facilities	Playing & interaction	Supervision	Space	Identity
Neighbourhood	<p>Safe bicycle route through the city, connecting places that are important for children.¹ Provide more space for bicycles, sidewalks and room for playing.¹ Create wide sidewalks.¹</p> 	<p>The neighbourhood should provide enough facilities.¹ Playing and sport facilities or other after school activities can be located on flat roofs.¹</p>  <p>Make sure the range to the facilities is acceptable.²</p>	<p>Schoolyard can function as meeting point for children and their parents.¹ <u>Different street types:</u> Playing street (no cars allowed between 9am and 5pm)¹ Parking street!¹ Bicycle street!¹</p> <p>Playing on flat roofs of parking or schools.²</p> 	<p>Facilities at the playground for the parents: coffee place, benches, covered place, inside place.¹</p> 	<p>Playing and sport facilities on flat roofs.¹ Schoolyard as meeting point for children and their parents.¹</p>	
Building	<p><u>Create boundaries or barriers around places where children play:</u> Fence Height difference Sloped planes</p> <p>Playing in the lee (luwte).¹</p> <p>Provide a playground for young children in the building itself.³</p> 	<p>Creating a bike parking, to clean the sidewalks (more space for playing).¹ Adding missing facilities to the building.¹ Make a neighbourhood room (buurtcentrum).²</p> 	<p>Use circulation (transition space) for playing and meeting.² Allow for double use of the street (elements).¹ Separate parking and playing on the street.¹</p>  <p>Double use of circulation space.² Combining collective and private outdoor spaces.²</p> <p>Using leftover space (sloped) of playing area.²</p>	<p>Supervision from gallery!¹ Make an inner courtyard in the building.²</p> 	<p>Communal gallery garden, private space at gallery.² Playing and meeting place in circulation space of the building.² Playing above ground level!² Use the transition space from inside to outside as an extra place to stay in, for children to play in and to meet the neighbours.²</p> 	<p>Strong identity of the building helps the wayfinding for young children.³</p> 
Dwelling			<p>Connecting dwellings to the public space.¹ Using space in the staircase as playing area.²</p> 	<p>Supervision from dwelling.¹</p> 	<p>Create a lot of storage space for multiple types of inflit.² A separate kitchen can provide privacy when needed.² Create a lot of rooms.² Sliding doors can help create more rooms and privacy when needed.² Separation between private and representative rooms.²</p> <p><u>Flexible use:</u> The right dimensions of rooms and the façade can make future renovations and changes better feasible.² Make the use of rooms and hallway available for multiple functions.² Wide hallway² Central core.²</p> <p>Create a division in between the private and representative areas.² Provide enough outdoor space.³</p> 	

1: Nestelen in de stad (Keesom, 2013)
2: De nieuwe generatie stadskinderen (Karsten & Felder, 2016)
3: Case study results

Growing up in the city

Design solutions

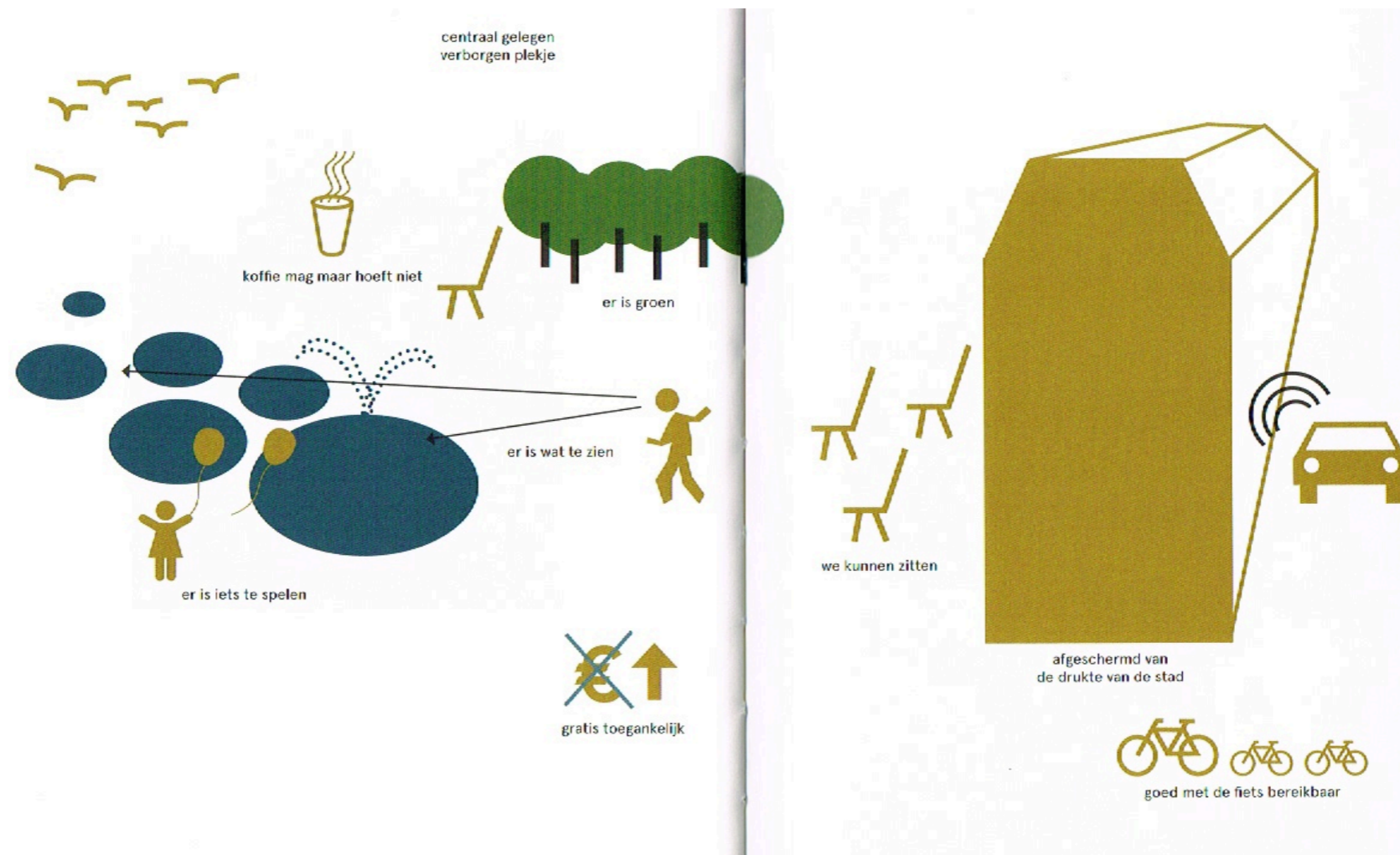
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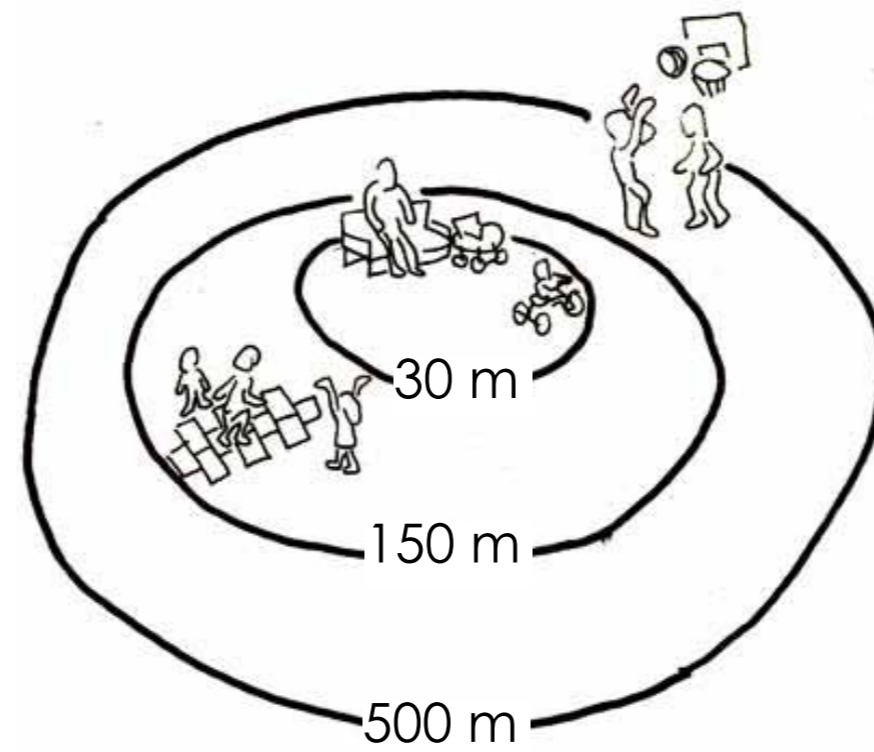
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Safety - playing in the lee



Growing up in the city

Facilities - range of activity



Growing up in the city

Facilities - range of activity



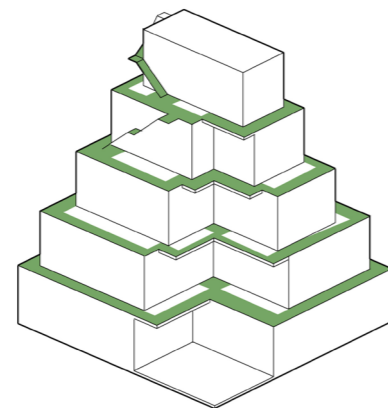
Kolenkithuis, Amsterdam

Growing up in the city

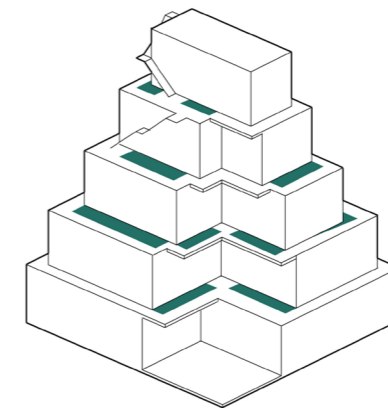
Playing and interaction - double use circulation space



Babel, Rotterdam



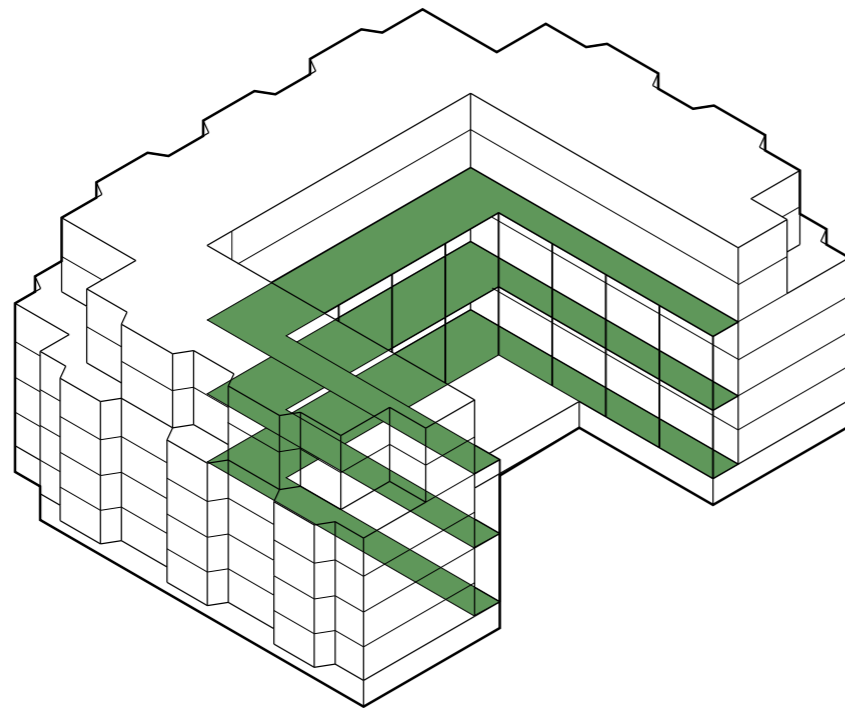
Gallery: Informal meeting space



Private outdoor space

Growing up in the city

Supervision - inner courtyard



Wisselspoor, Leuven

Growing up in the city

Space - expansion living space



Streetlife in 19th century Amsterdam, workers district

Growing up in the city

Identity



Babel, Rotterdam

Growing up in the city

Location



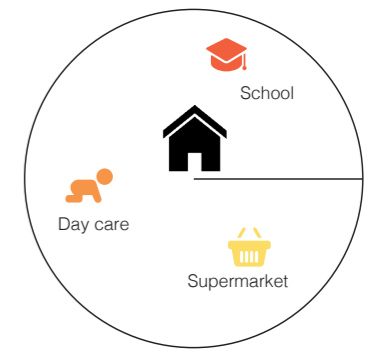
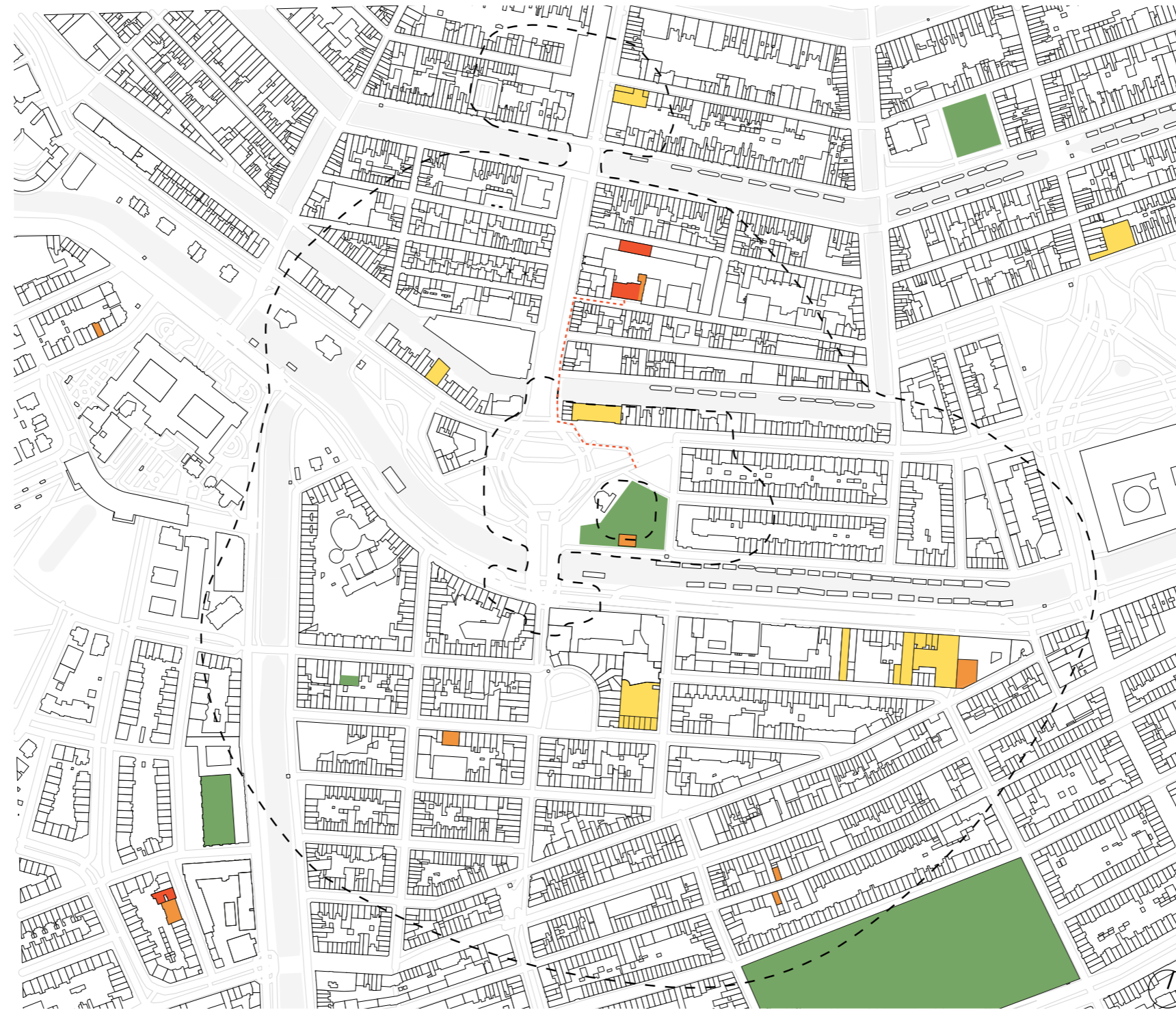
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Site analysis

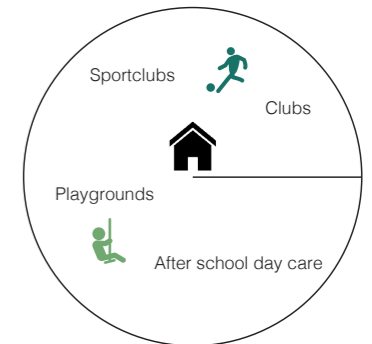


Growing up in the city

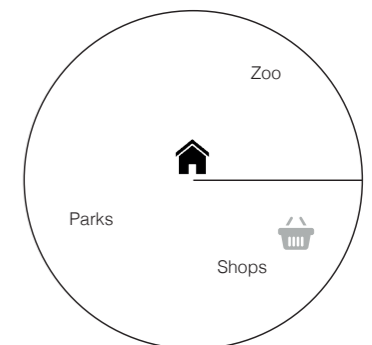
Site analysis



Daily



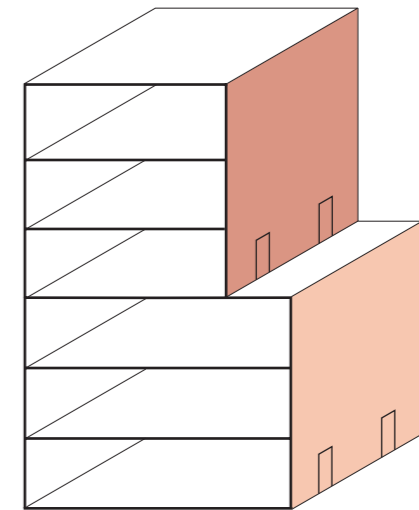
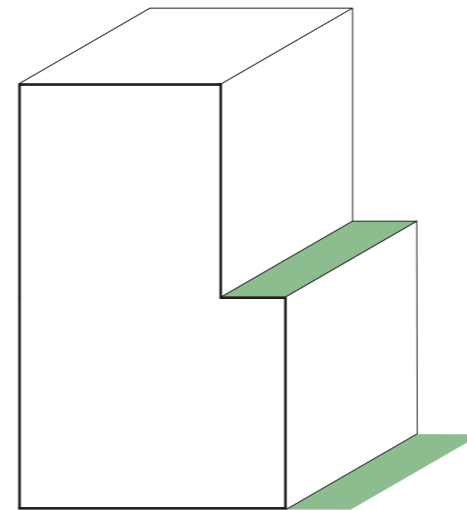
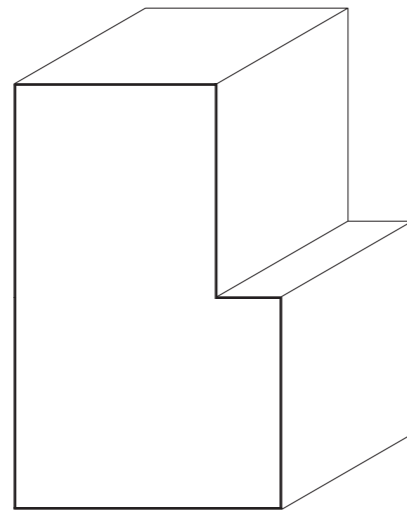
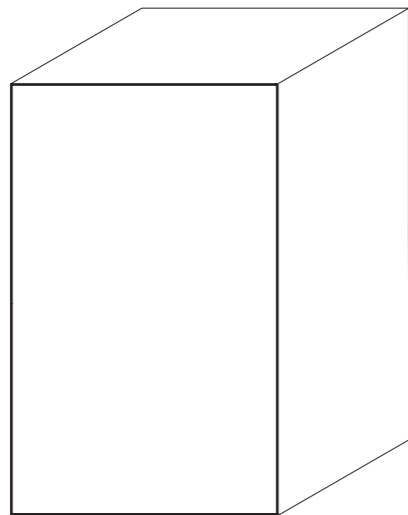
Weekly



Monthly

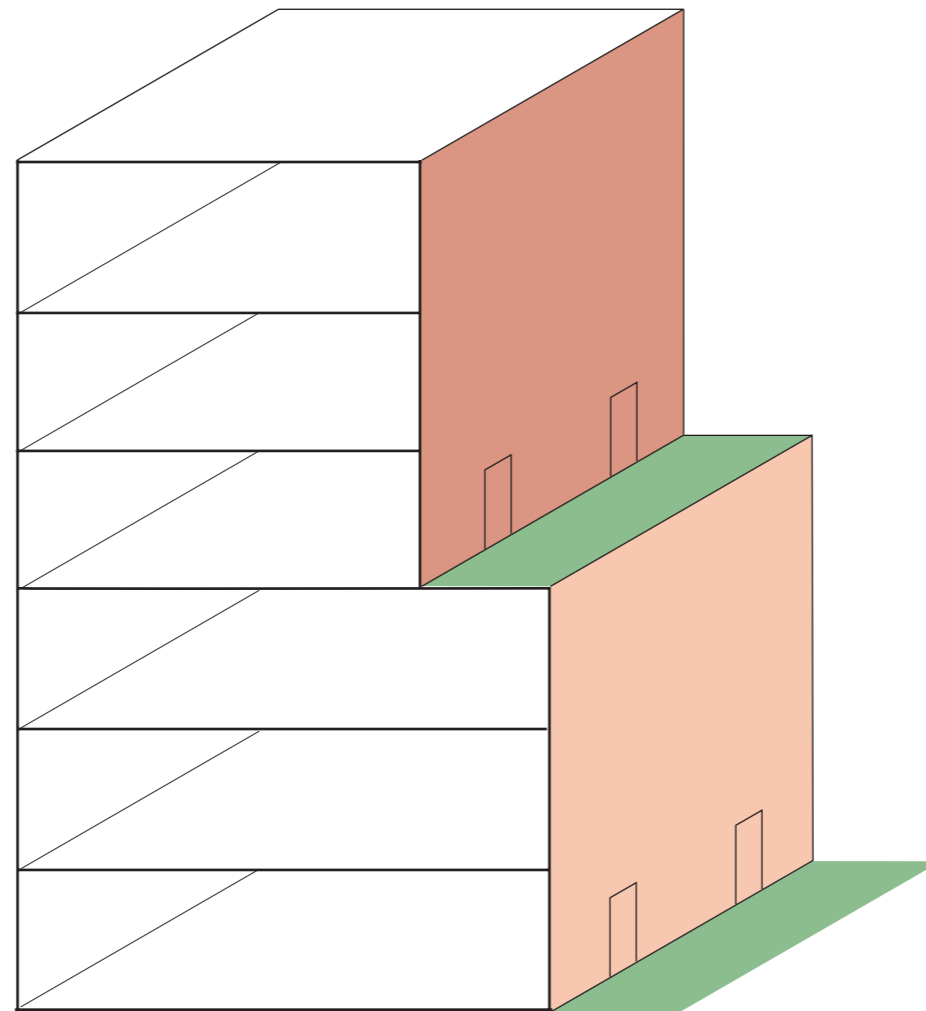
Growing up in the city

Building concept



Growing up in the city

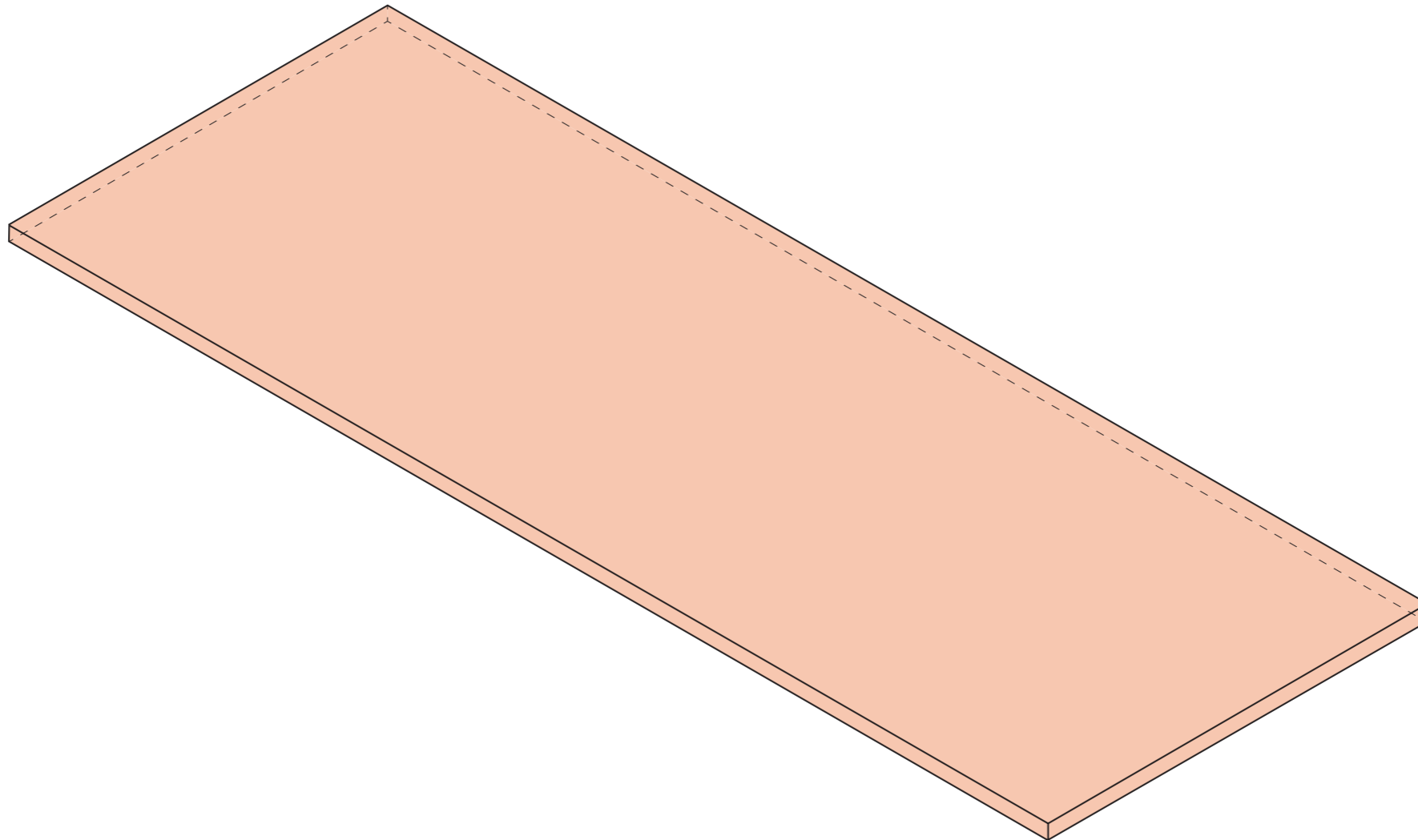
Building concept



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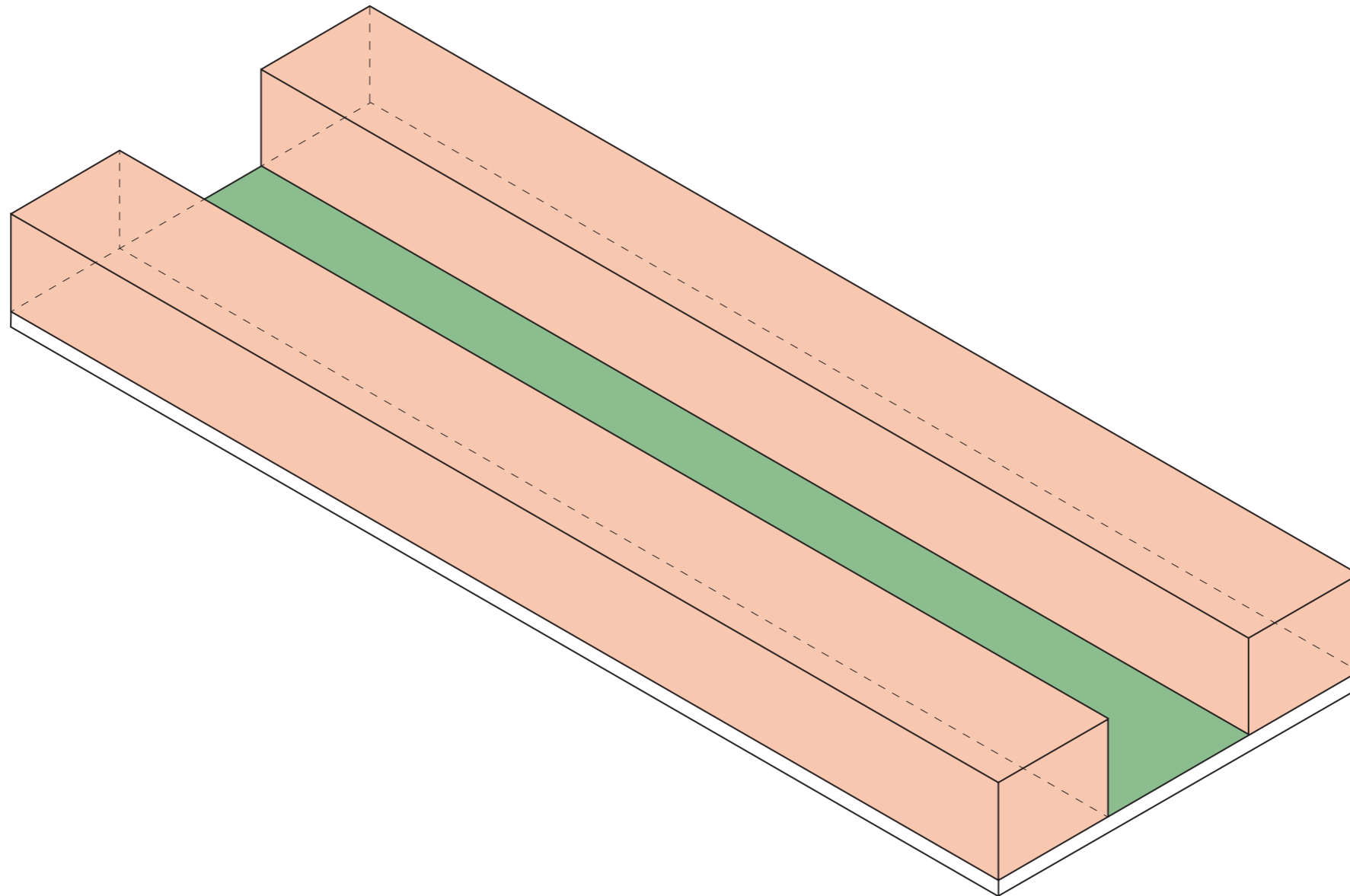


Building concept



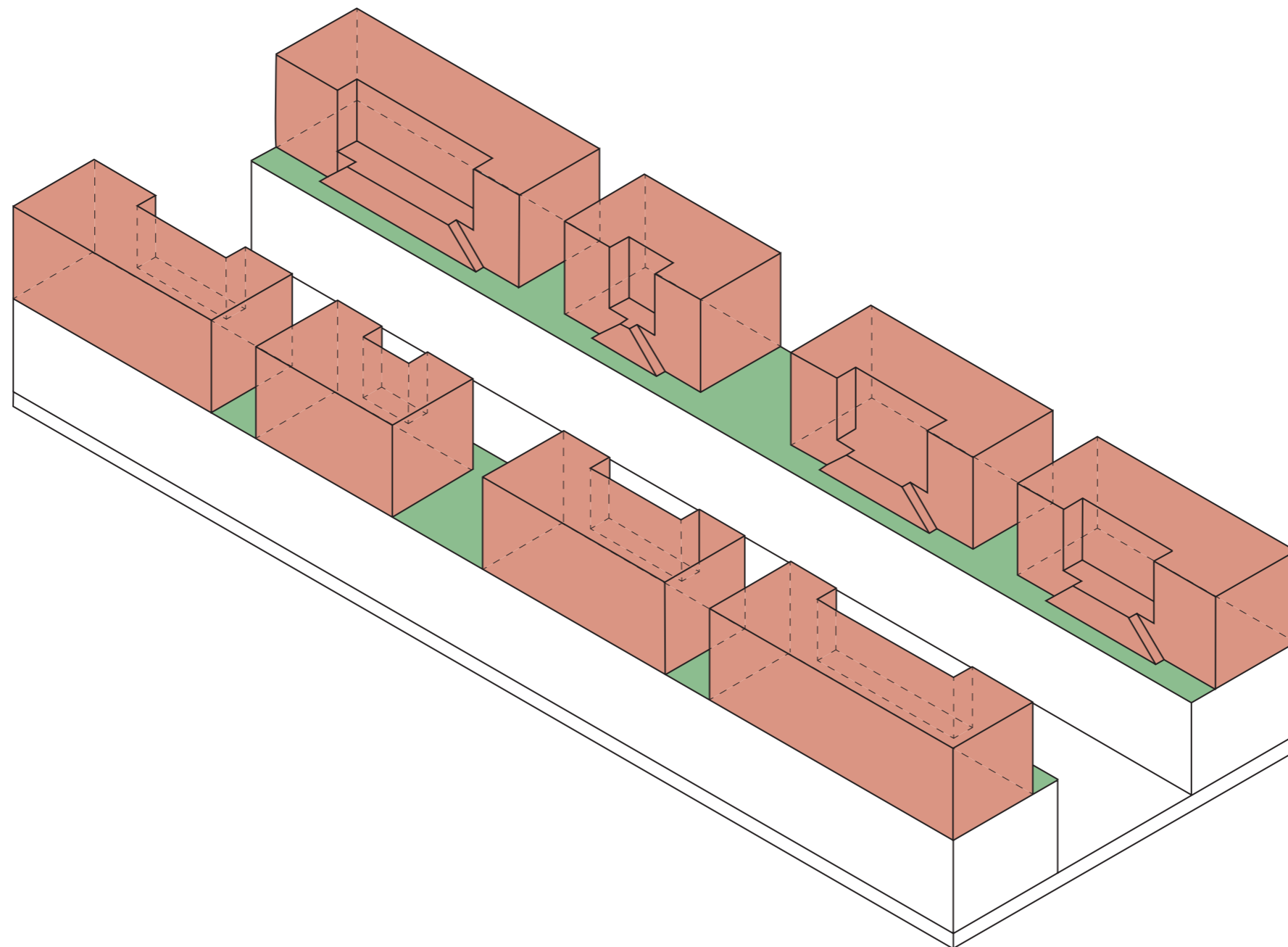
Growing up in the city

Building concept



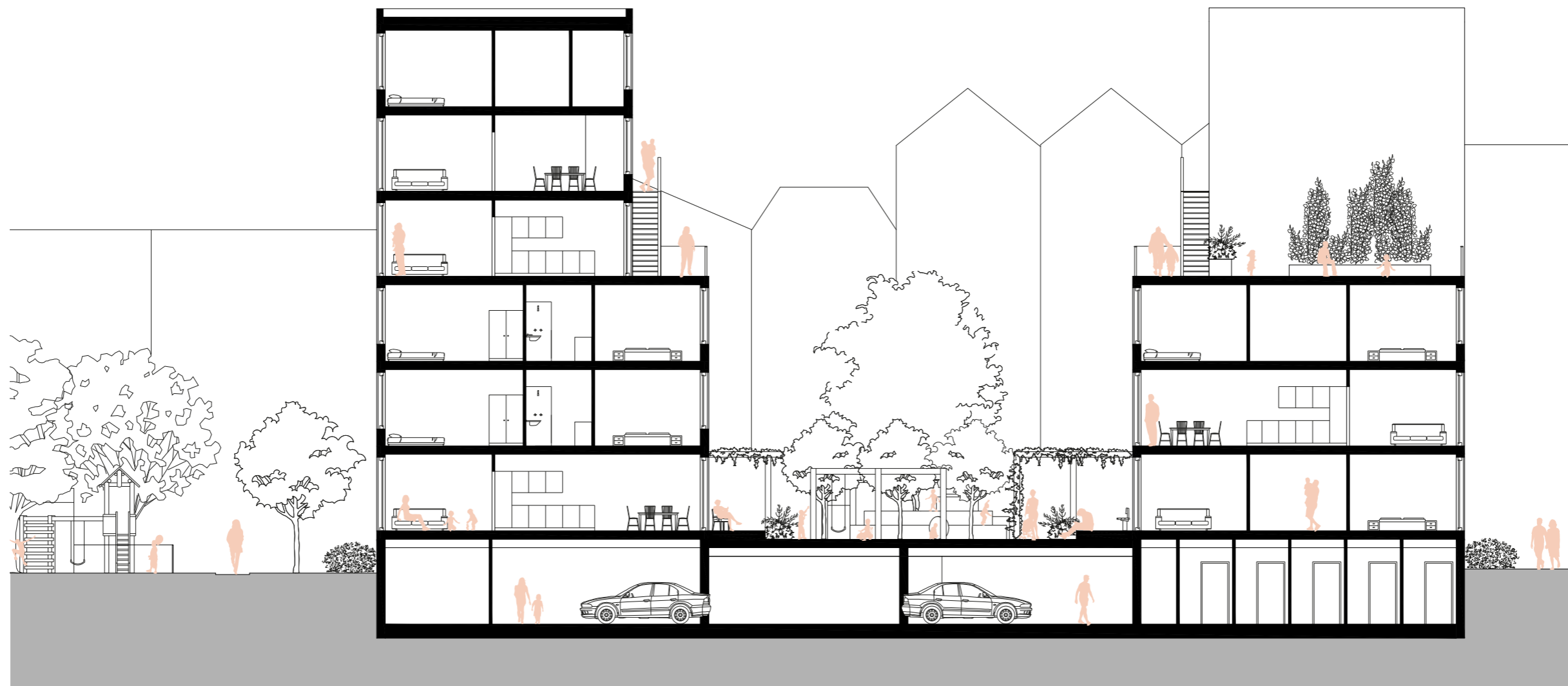
Growing up in the city

Building concept



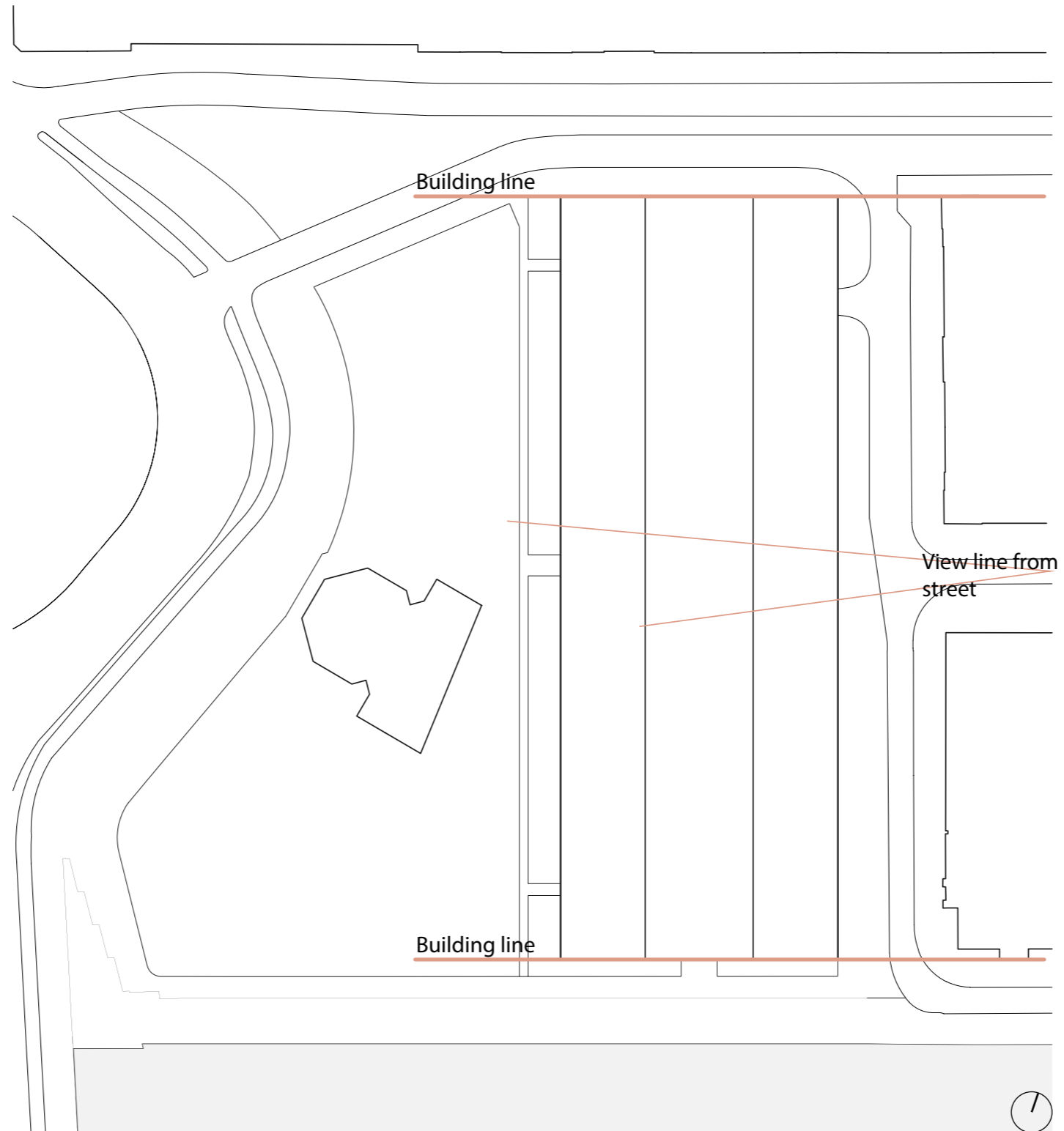
Growing up in the city

Building section



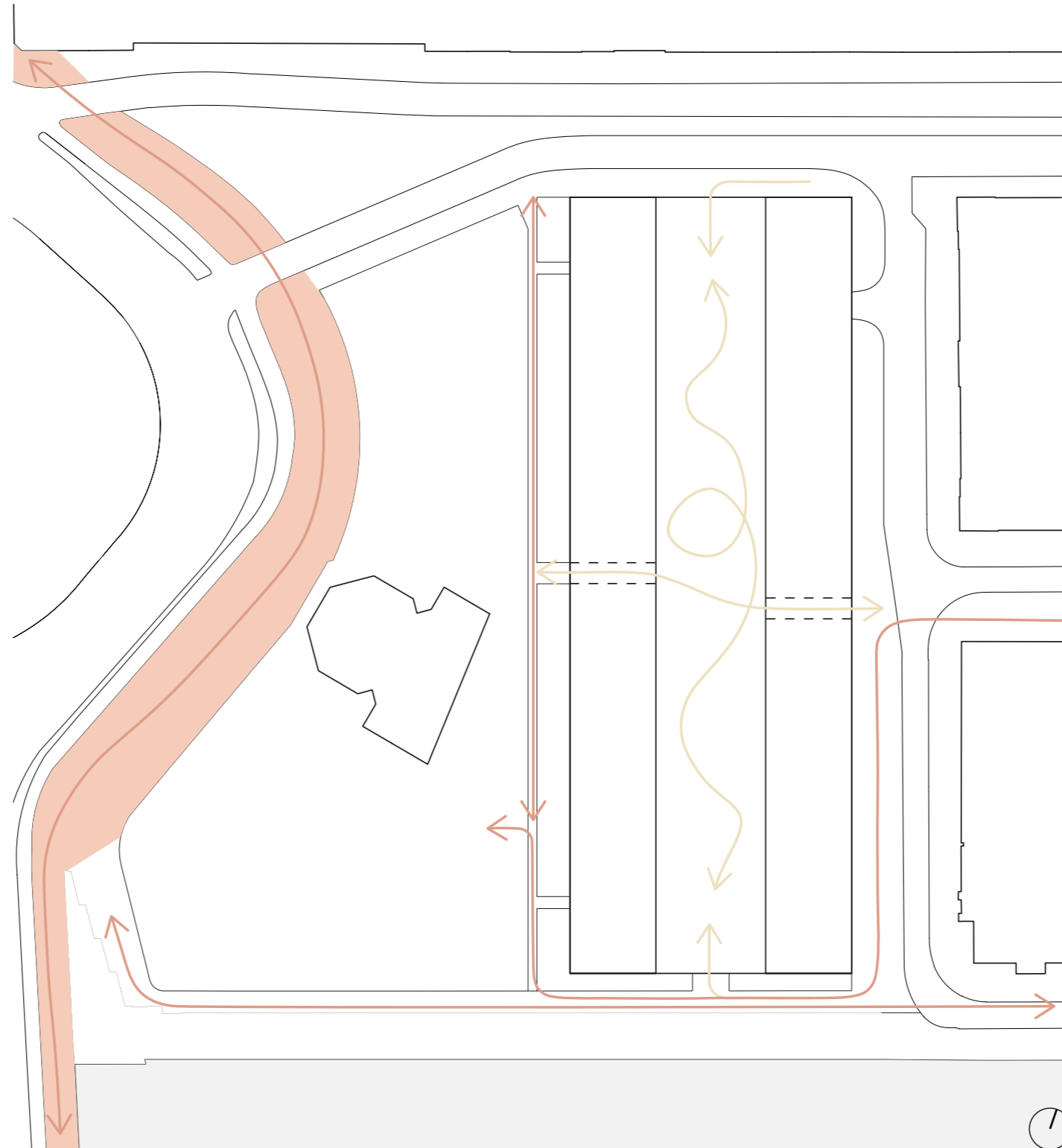
Growing up in the city

Urban concept



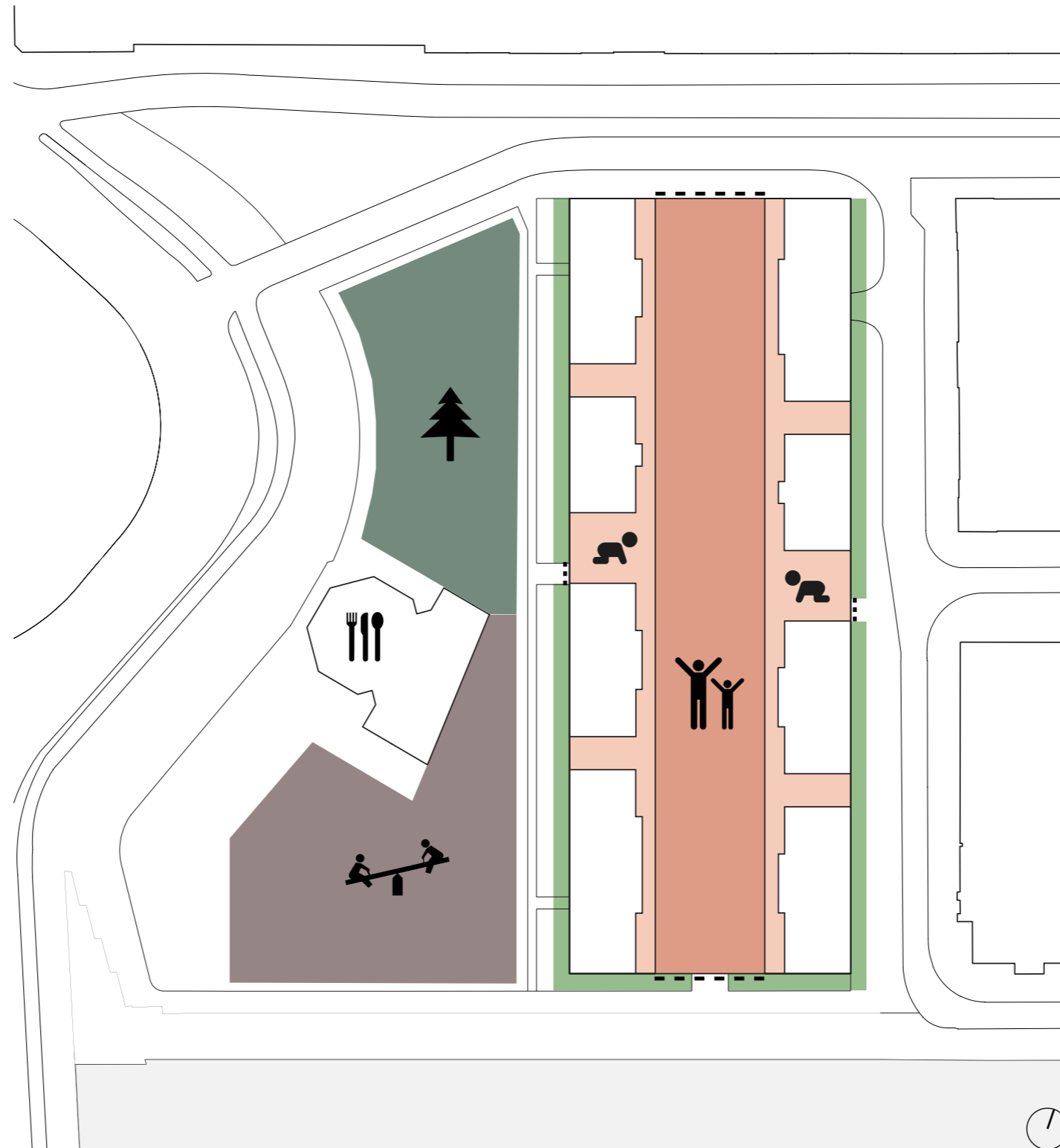
Growing up in the city

Urban concept



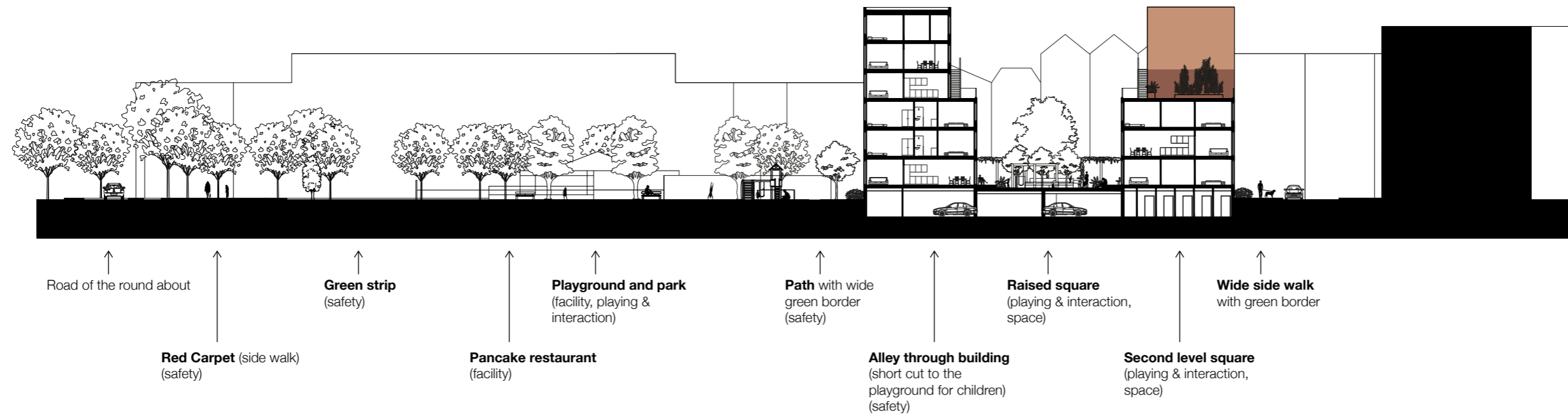
Growing up in the city

Urban concept

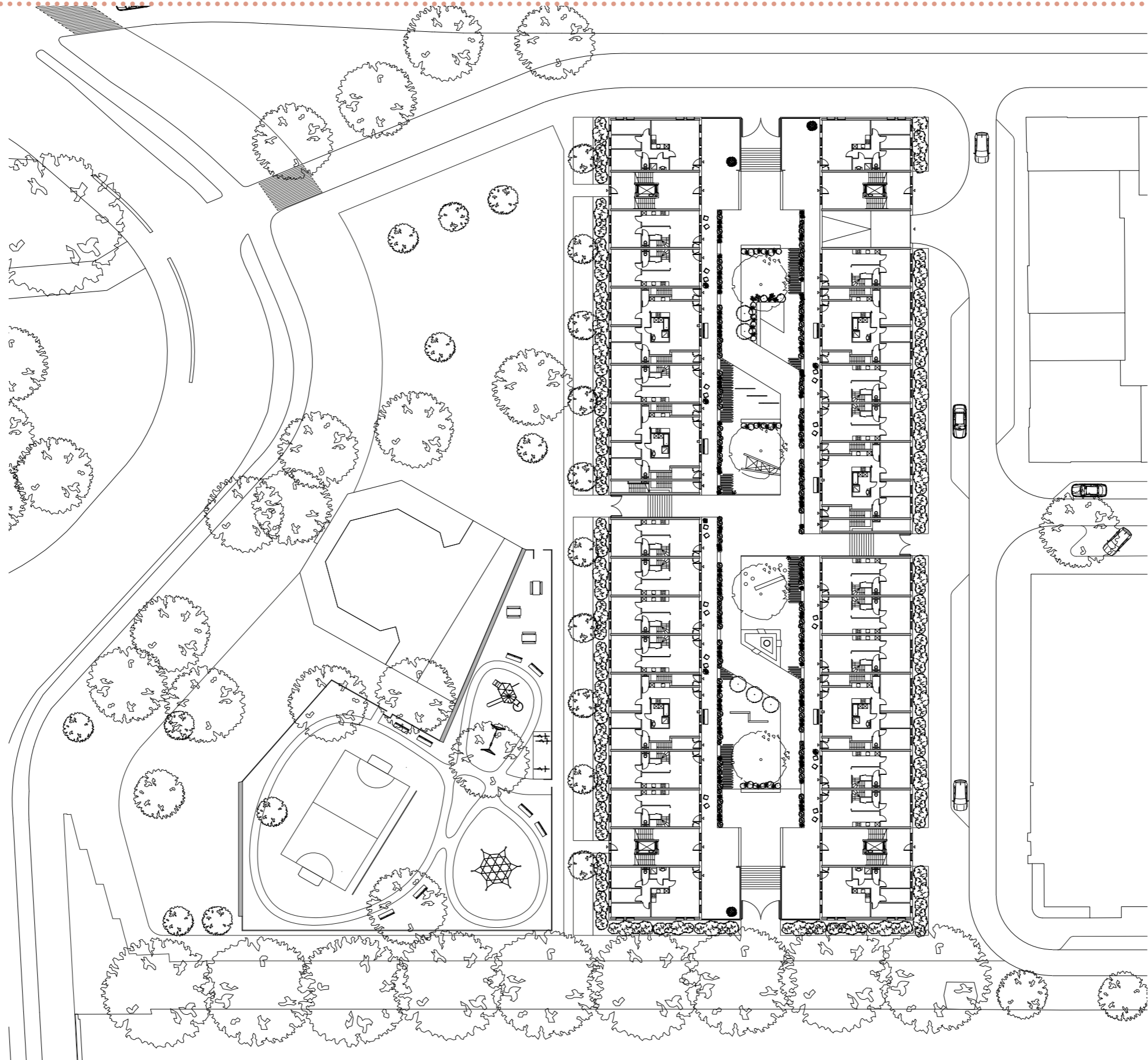


Growing up in the city

Urban section



Growing up in the city



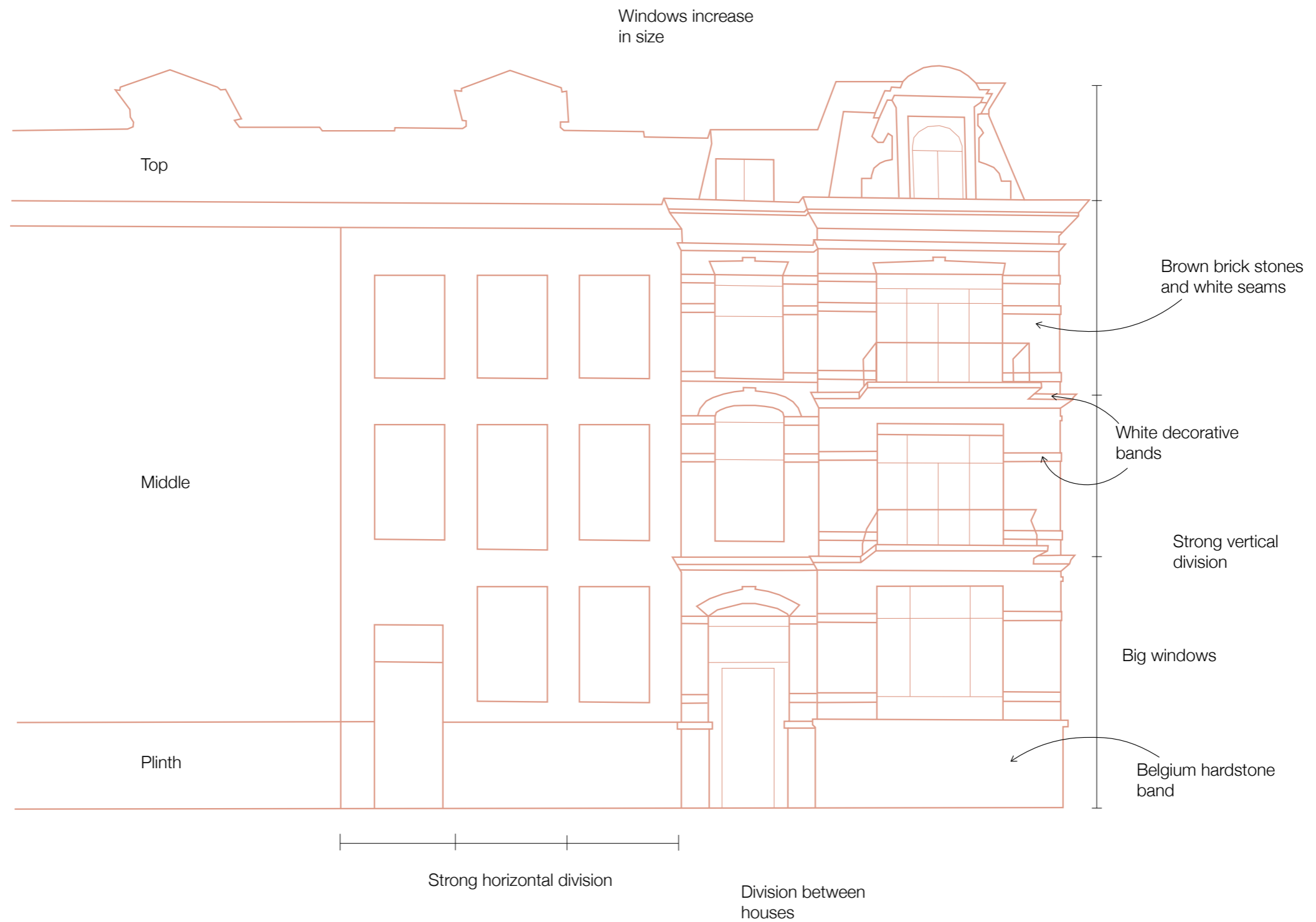
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Facade analysis



Growing up in the city

Facade analysis



Growing up in the city

City facade



Growing up in the city

City facade



Growing up in the city

City facade



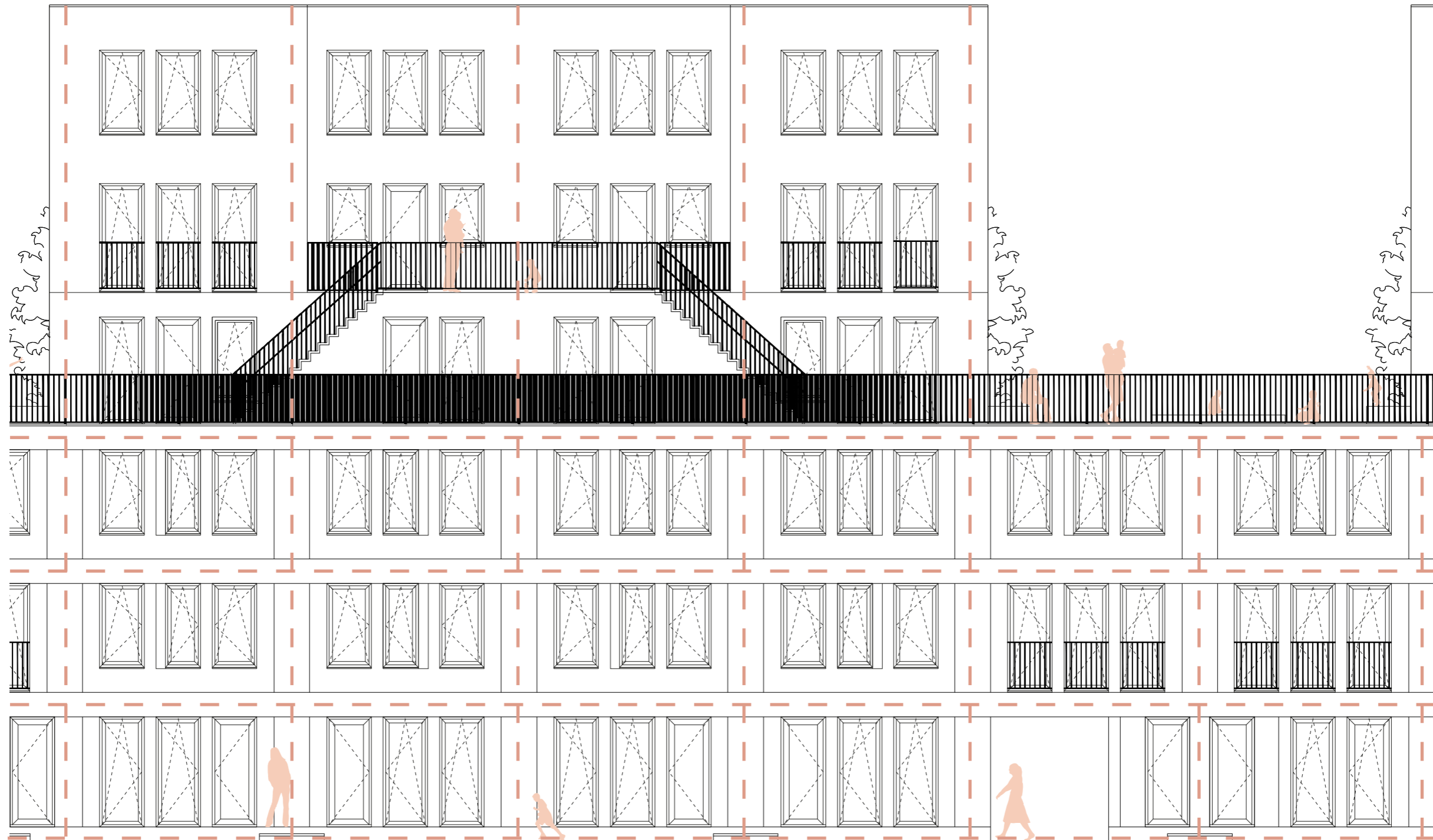
Growing up in the city

City facade



Growing up in the city

Inner facade



Growing up in the city

Impression inner facade



Growing up in the city

Impression gallery facade

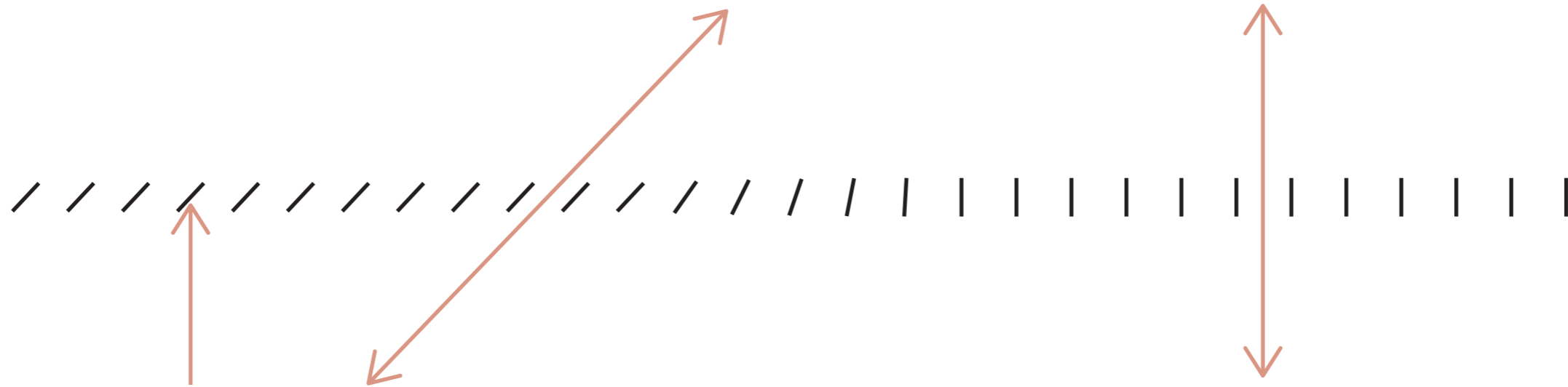


Growing up in the city

Inner facade

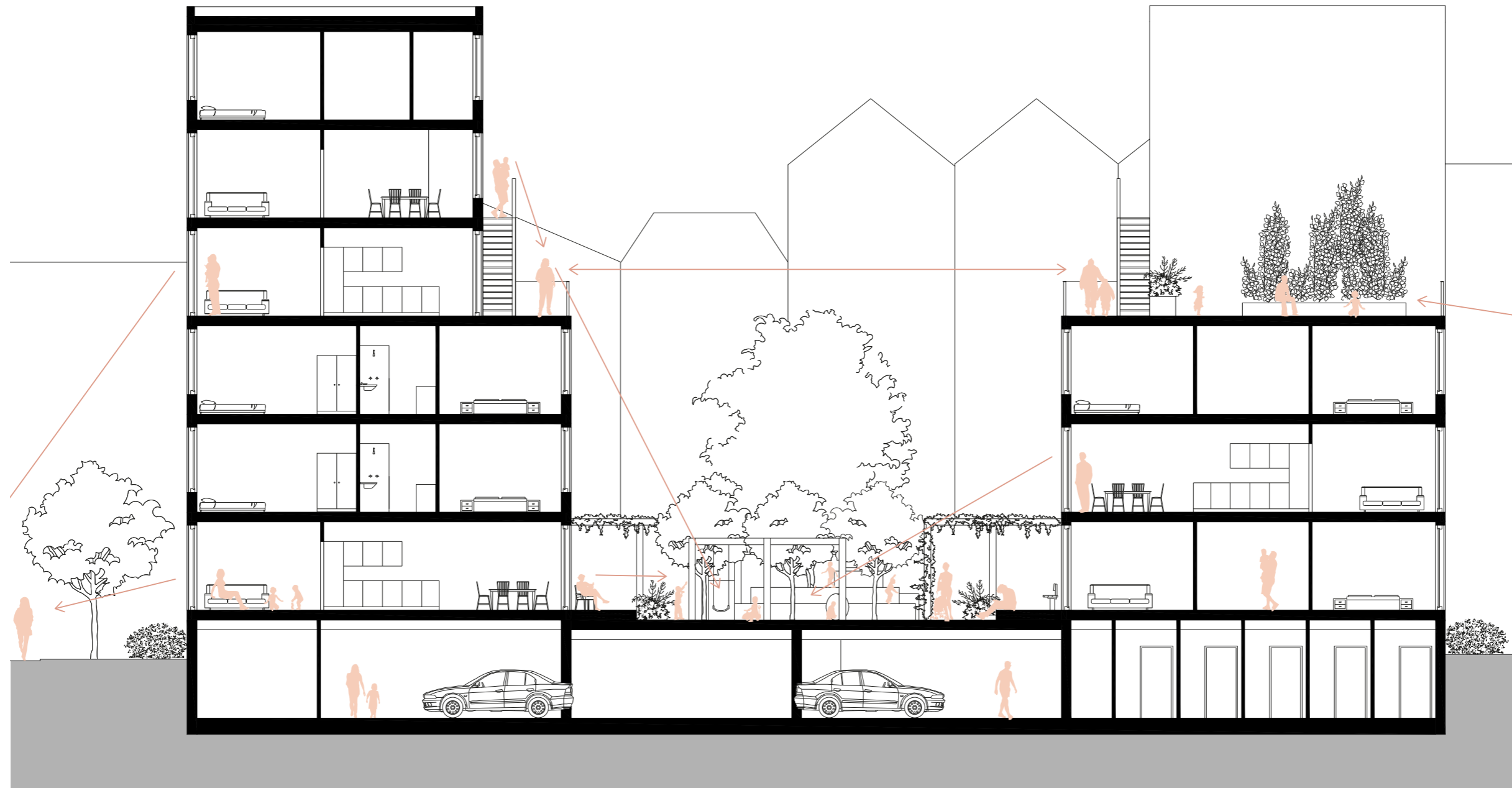


Growing up in the city



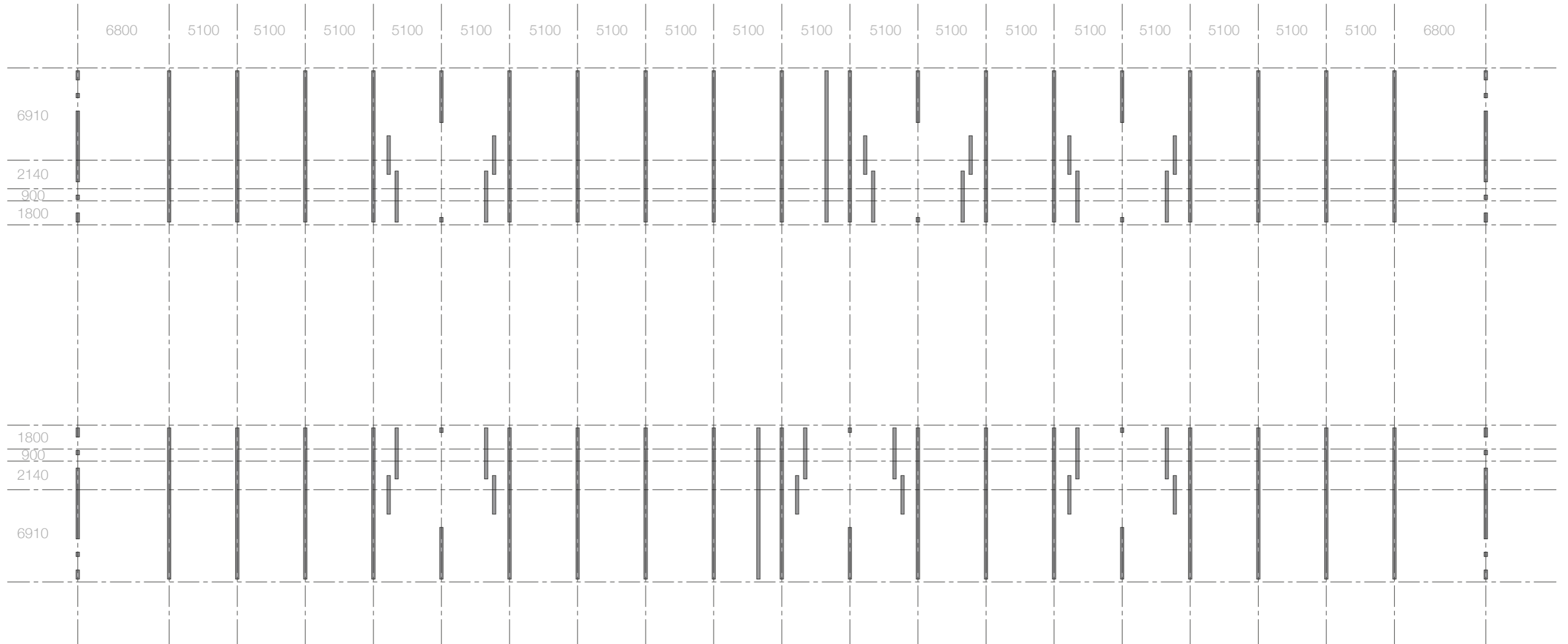
Growing up in the city

Supervision



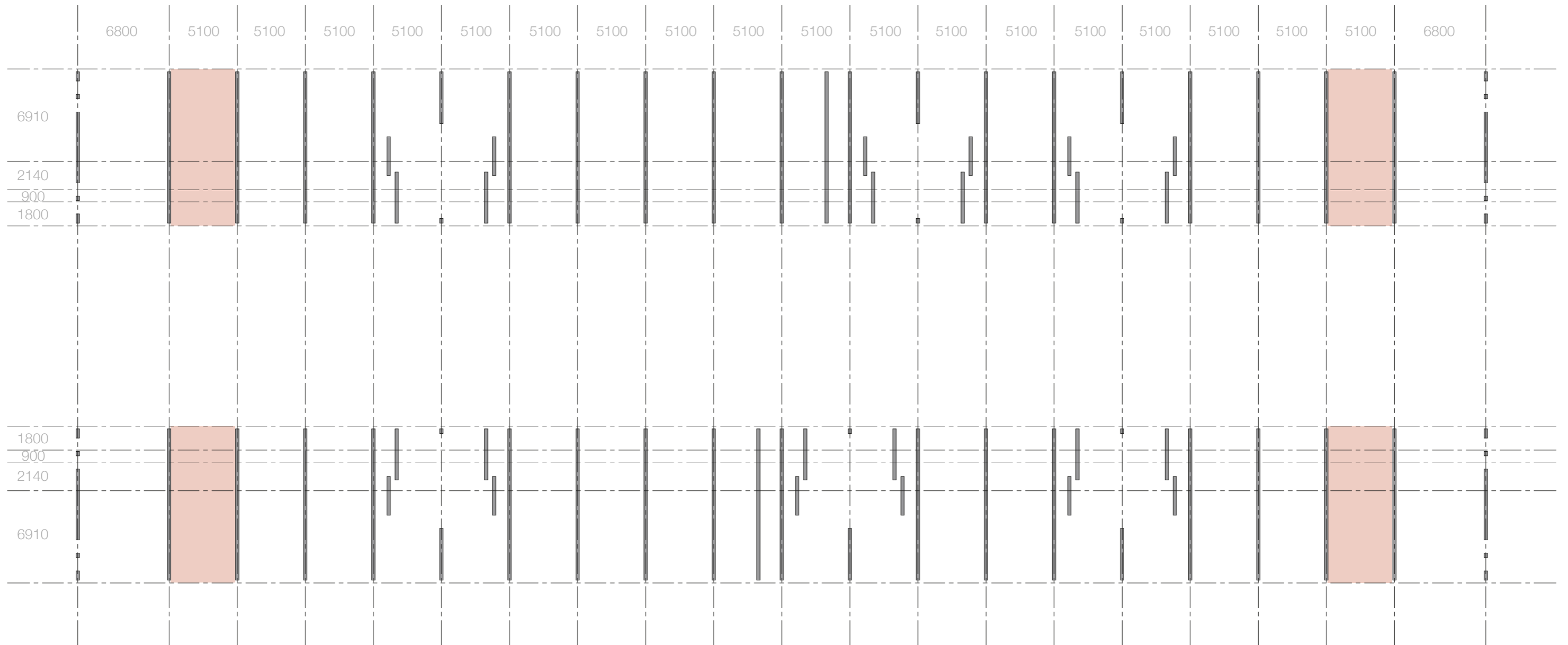
Growing up in the city

Building structure



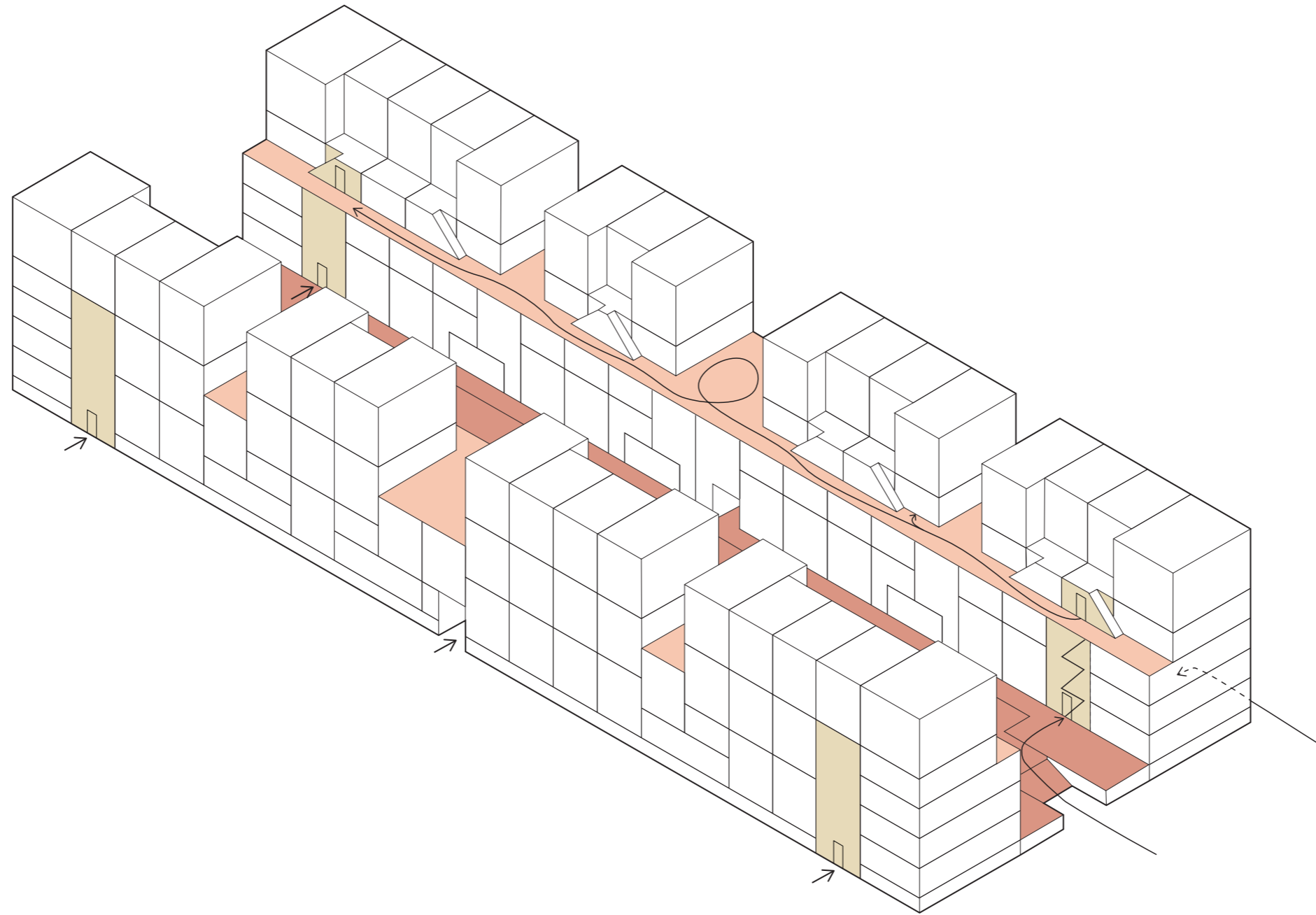
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Vertical circulation



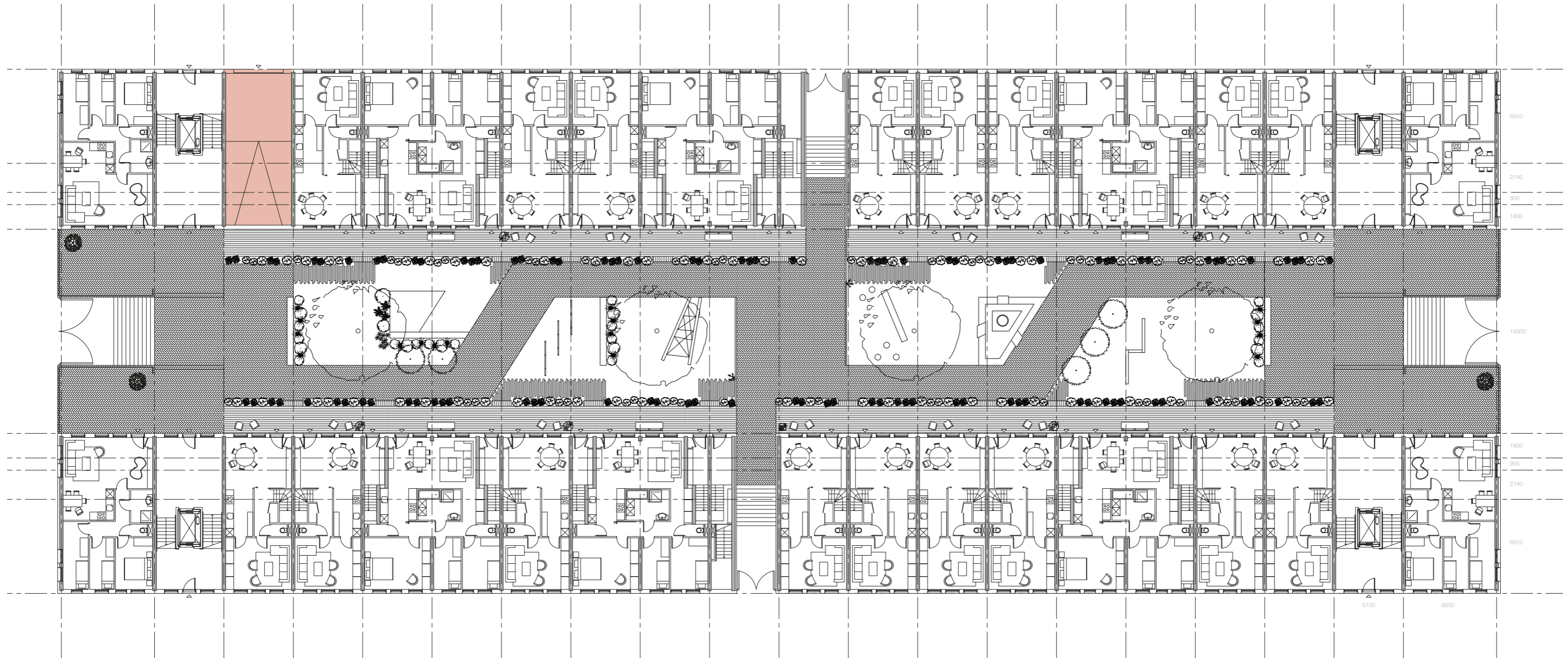
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Circulation system



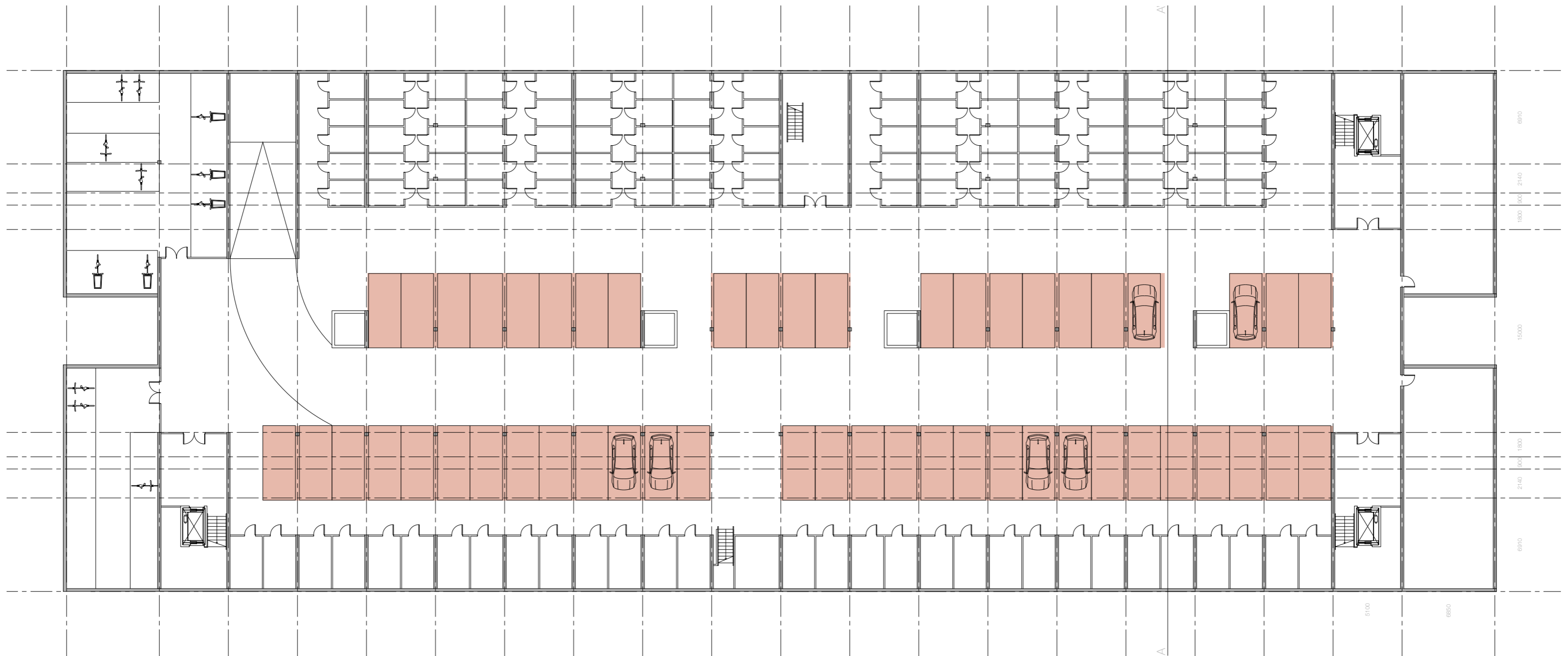
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Entrance parking



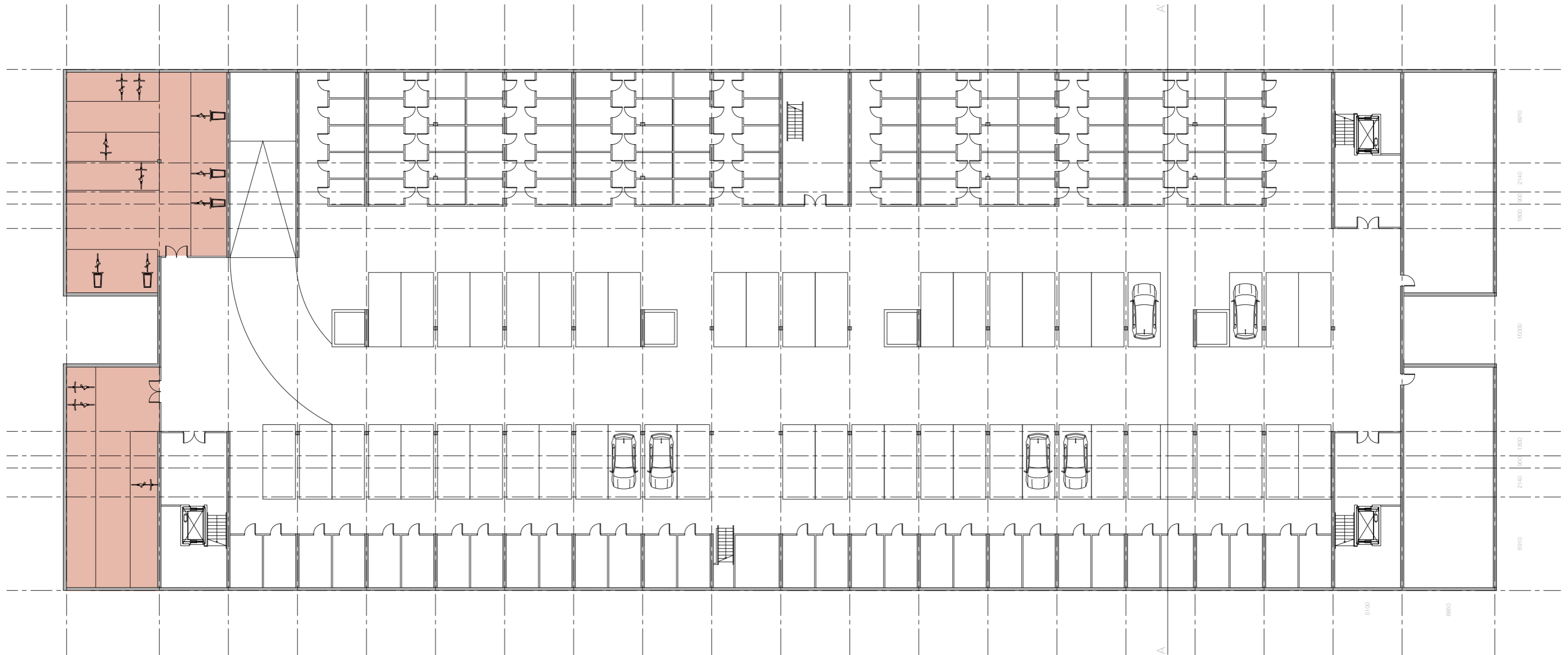
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Basement - car parking



Growing up in the city

Basement - bicycle parking



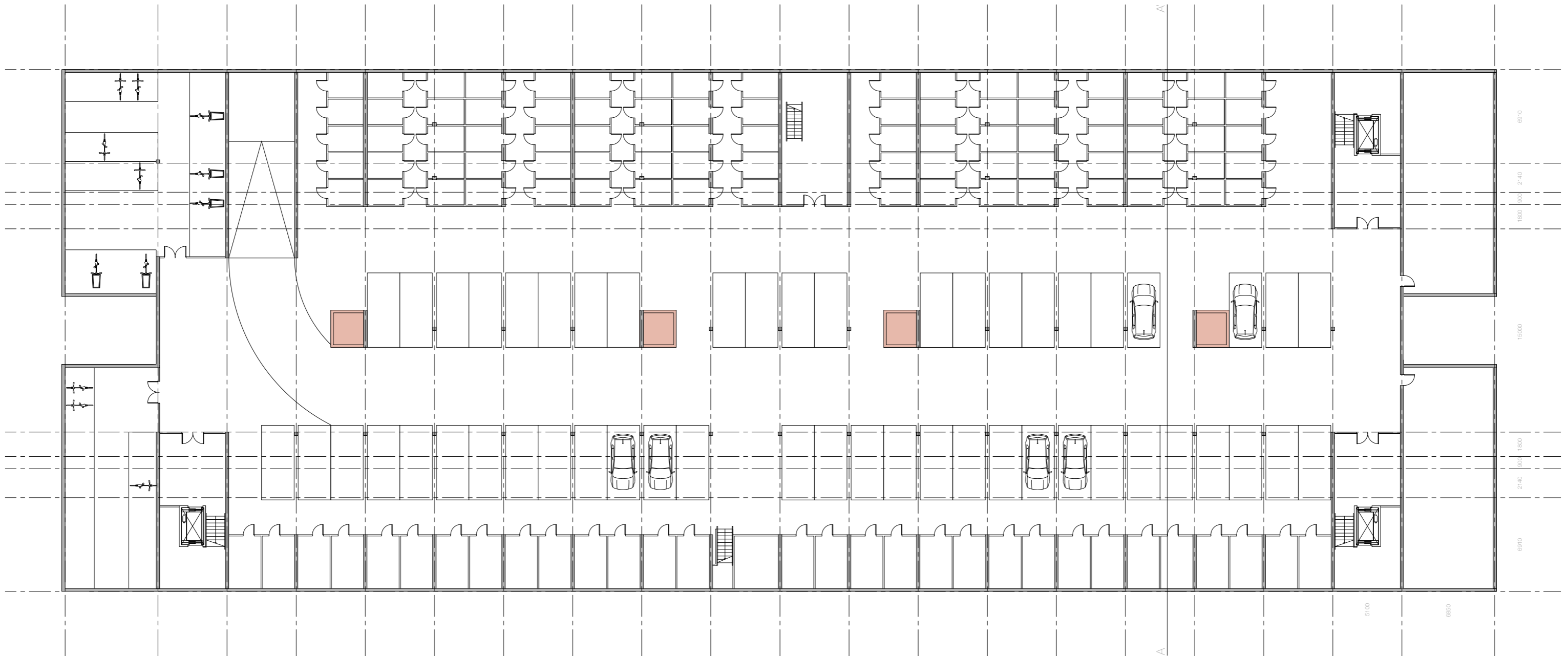
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Basement - (external) storage space



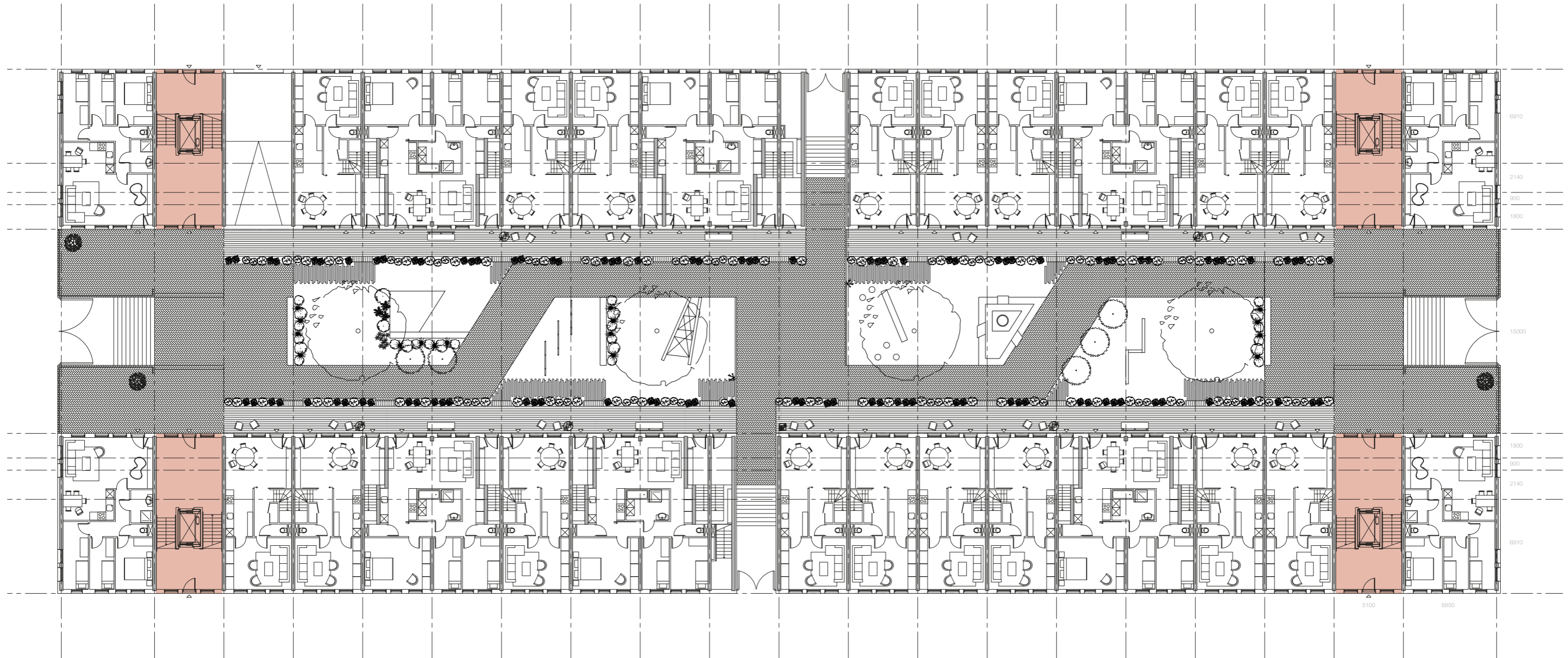
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Basement - Tree roots



Growing up in the city

Entrances building



Growing up in the city

Entrance building



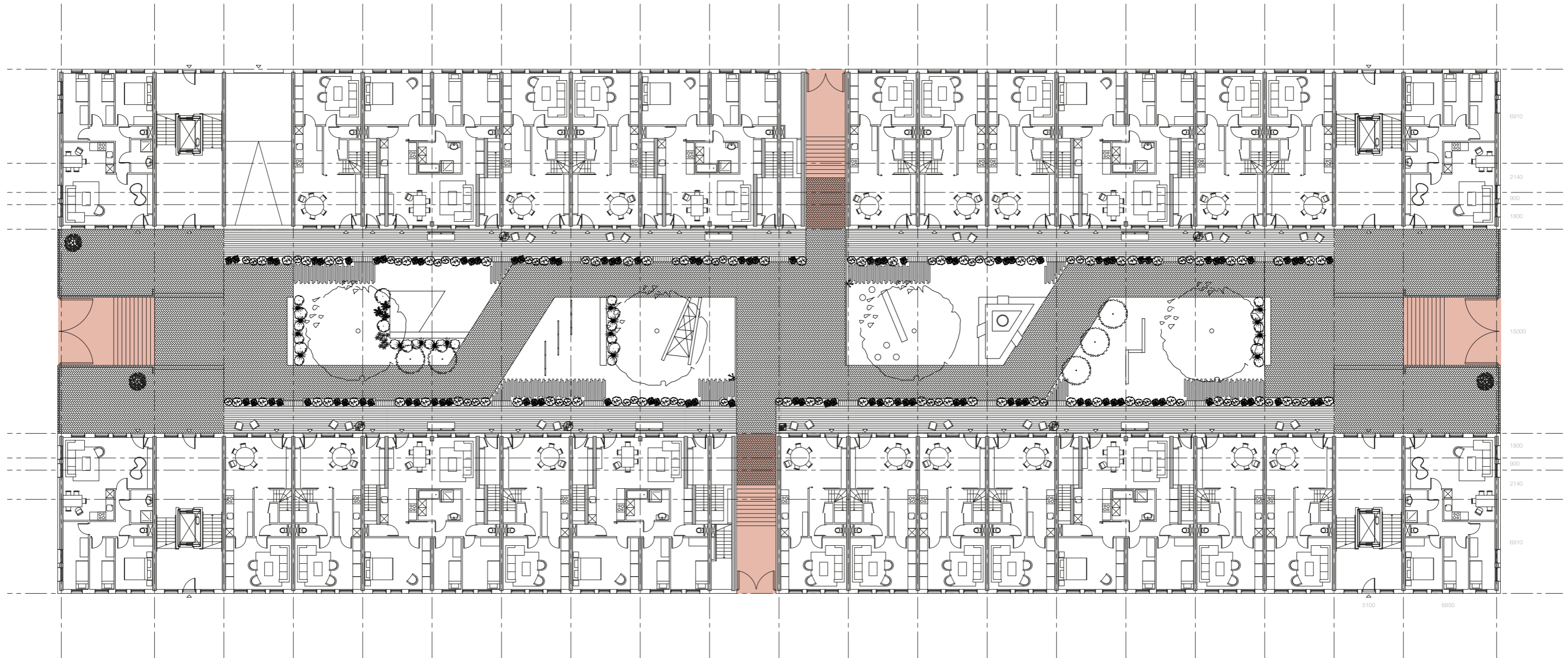
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Playing area - double use



Growing up in the city

Entrances raised square



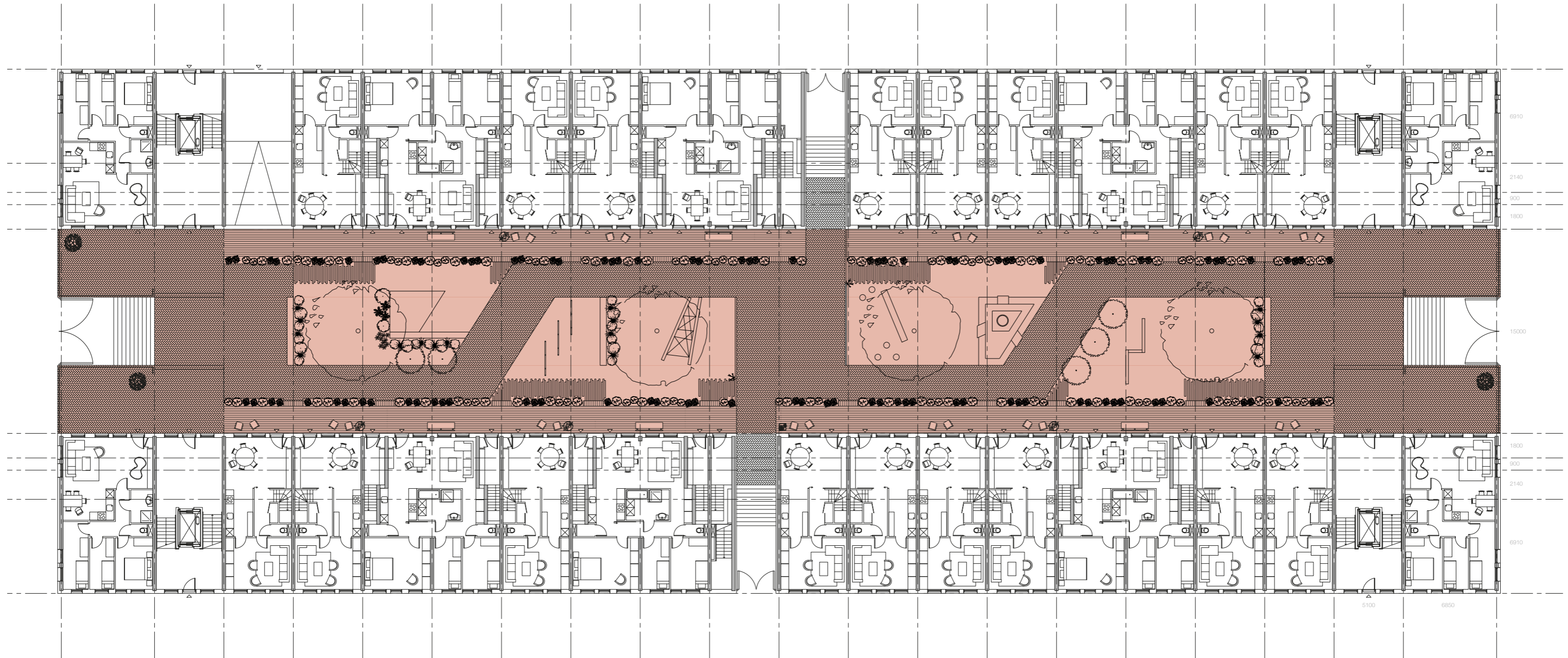
Growing up in the city

Main entrance square



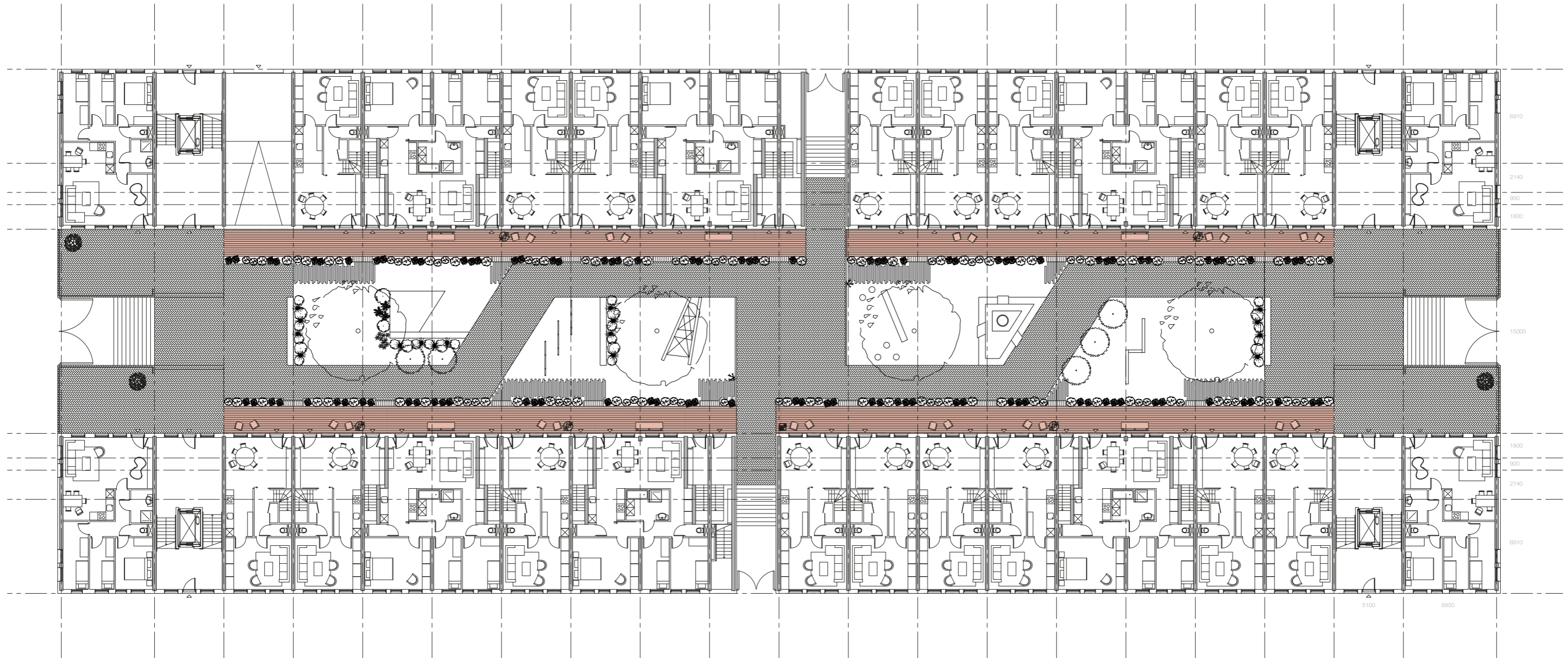
Growing up in the city

Raised square



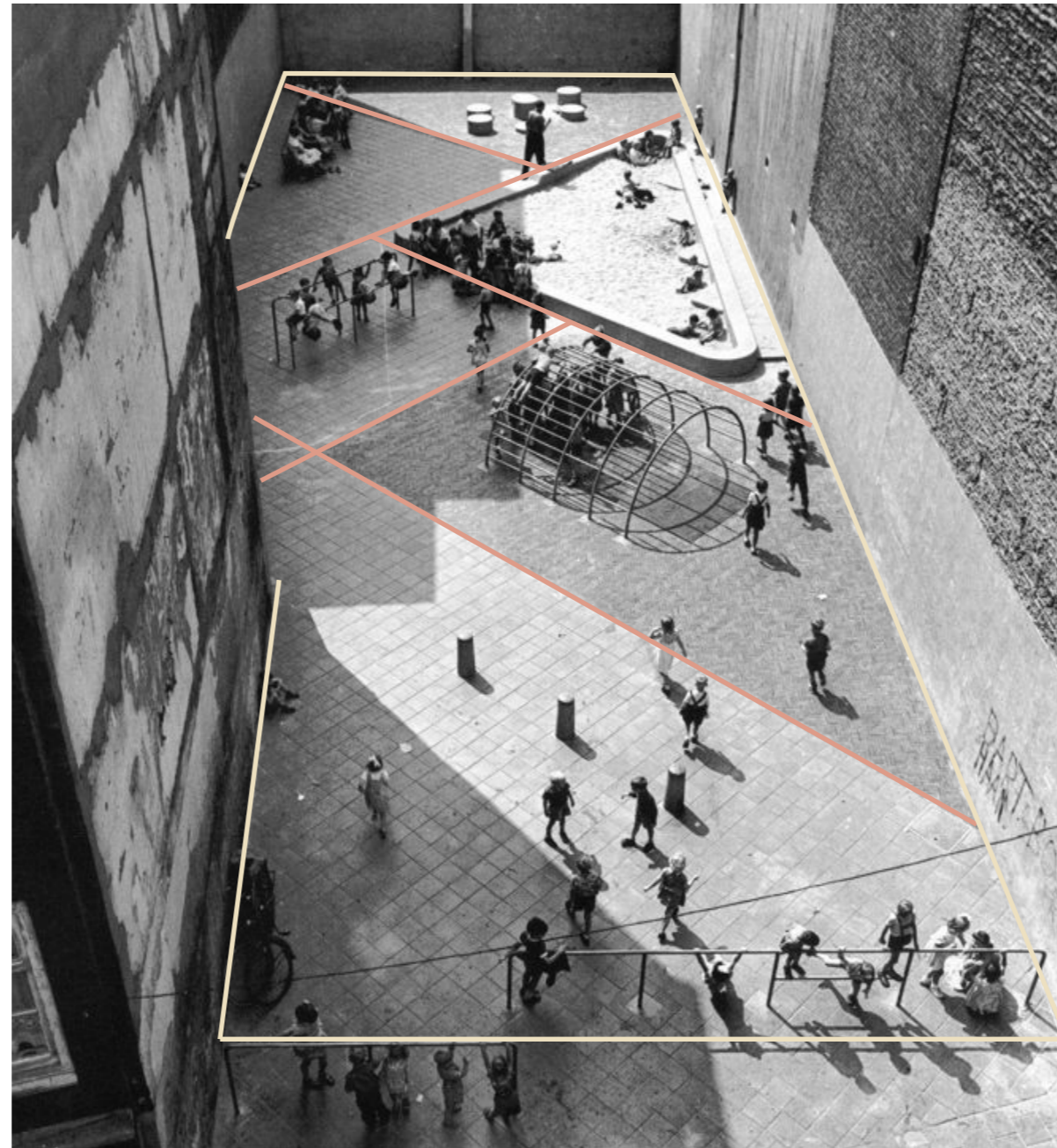
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Private outdoor space



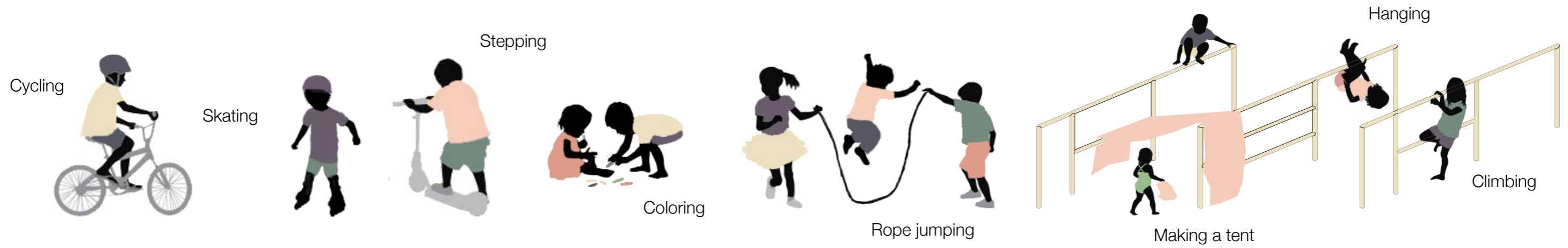
Growing up in the city

Playground Aldo van Eyck



Growing up in the city

Raised square



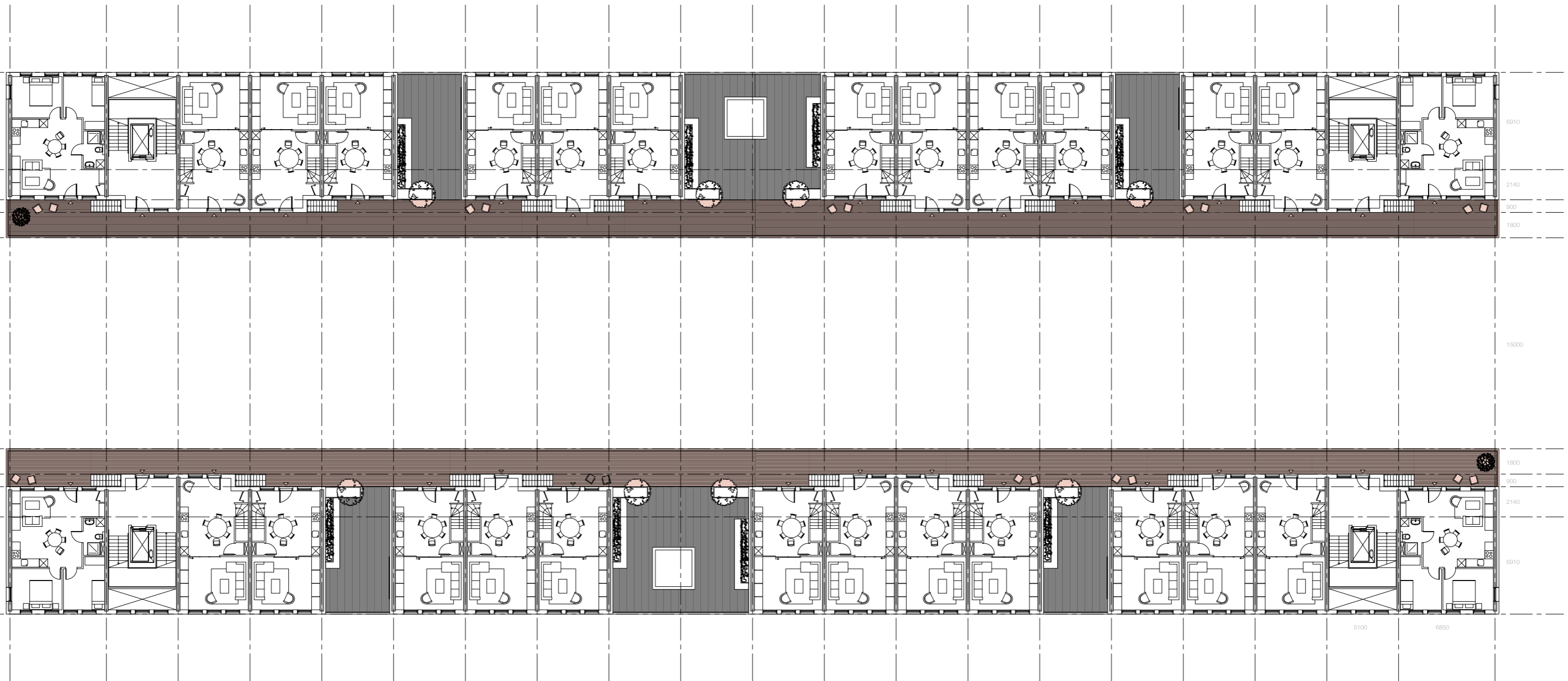
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Impression raised square



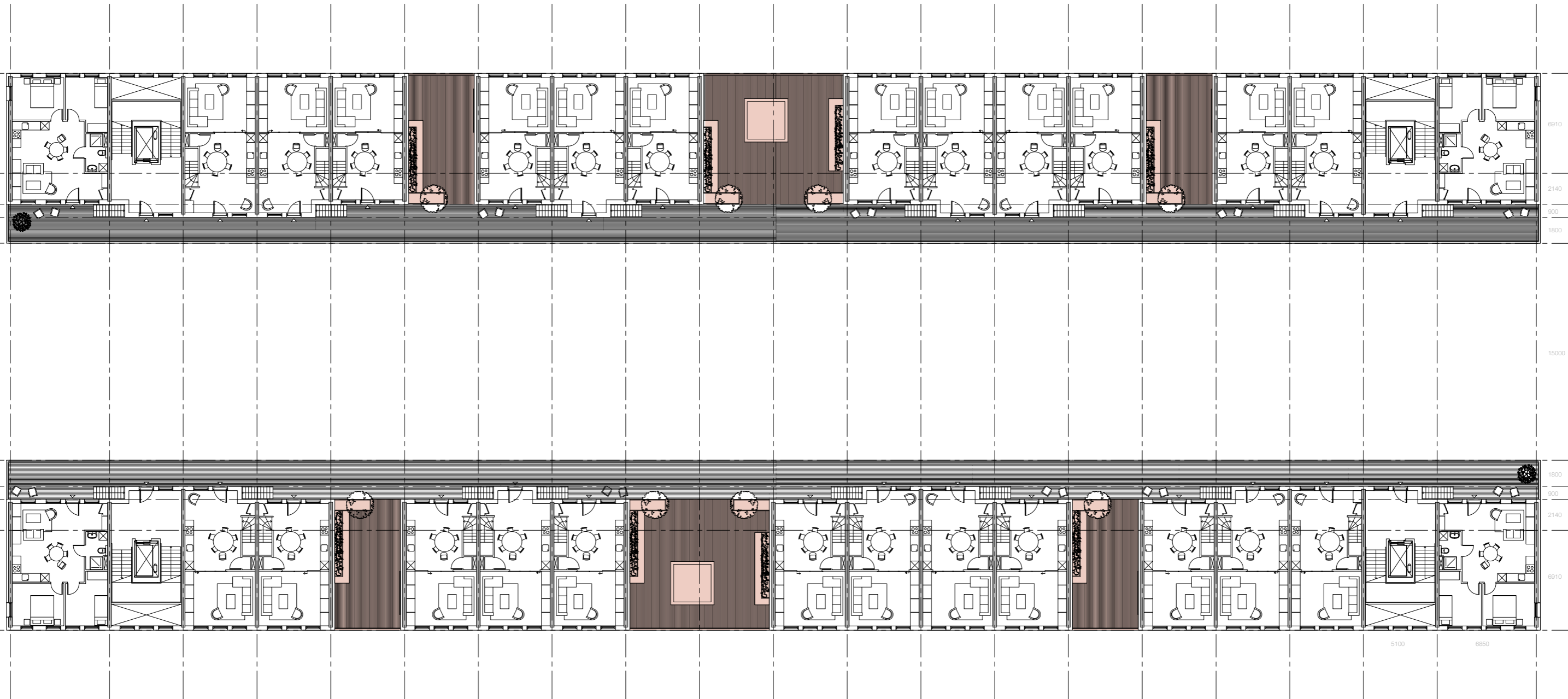
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Gallery



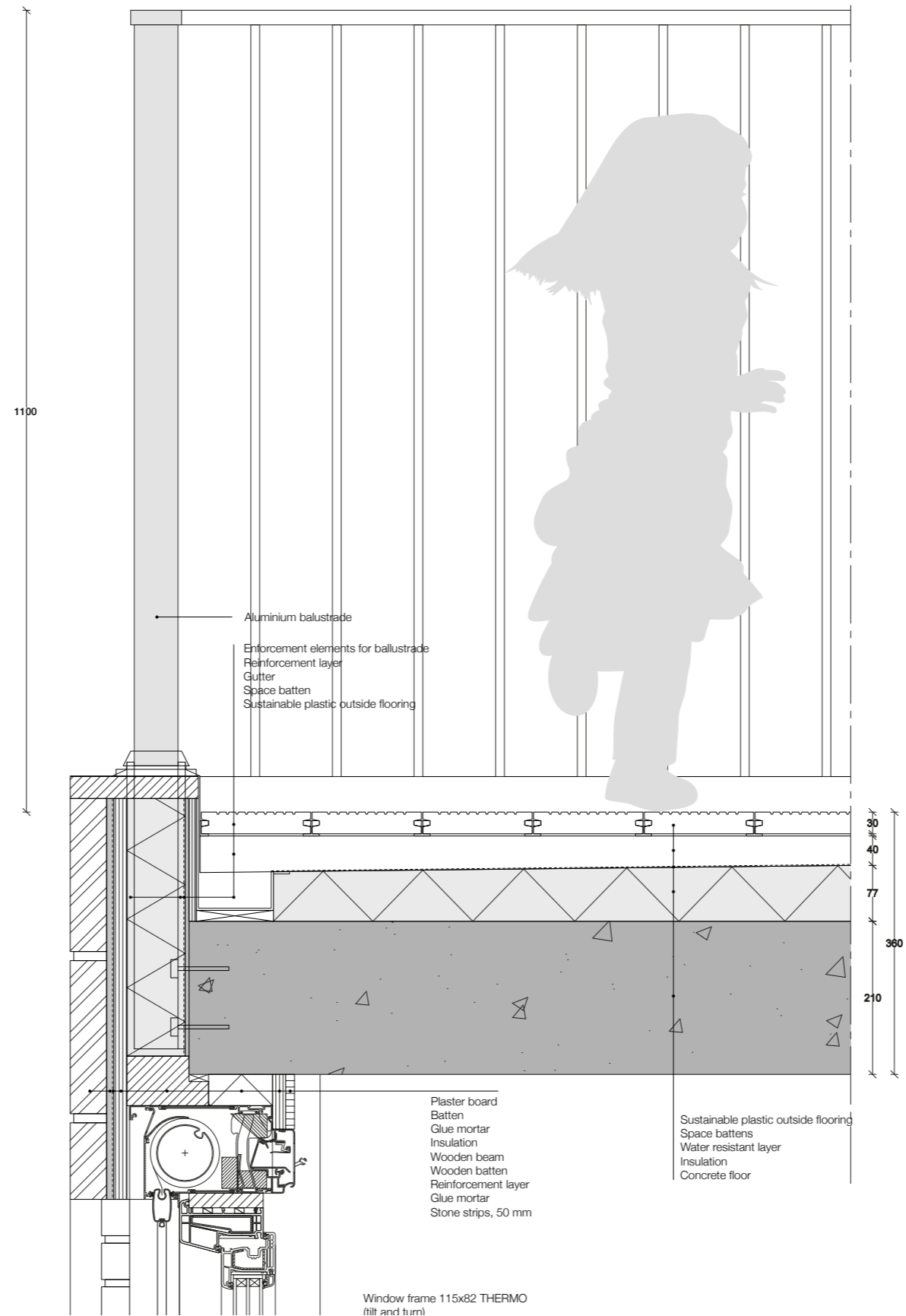
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Small squares



Growing up in the city

Detail 1:5



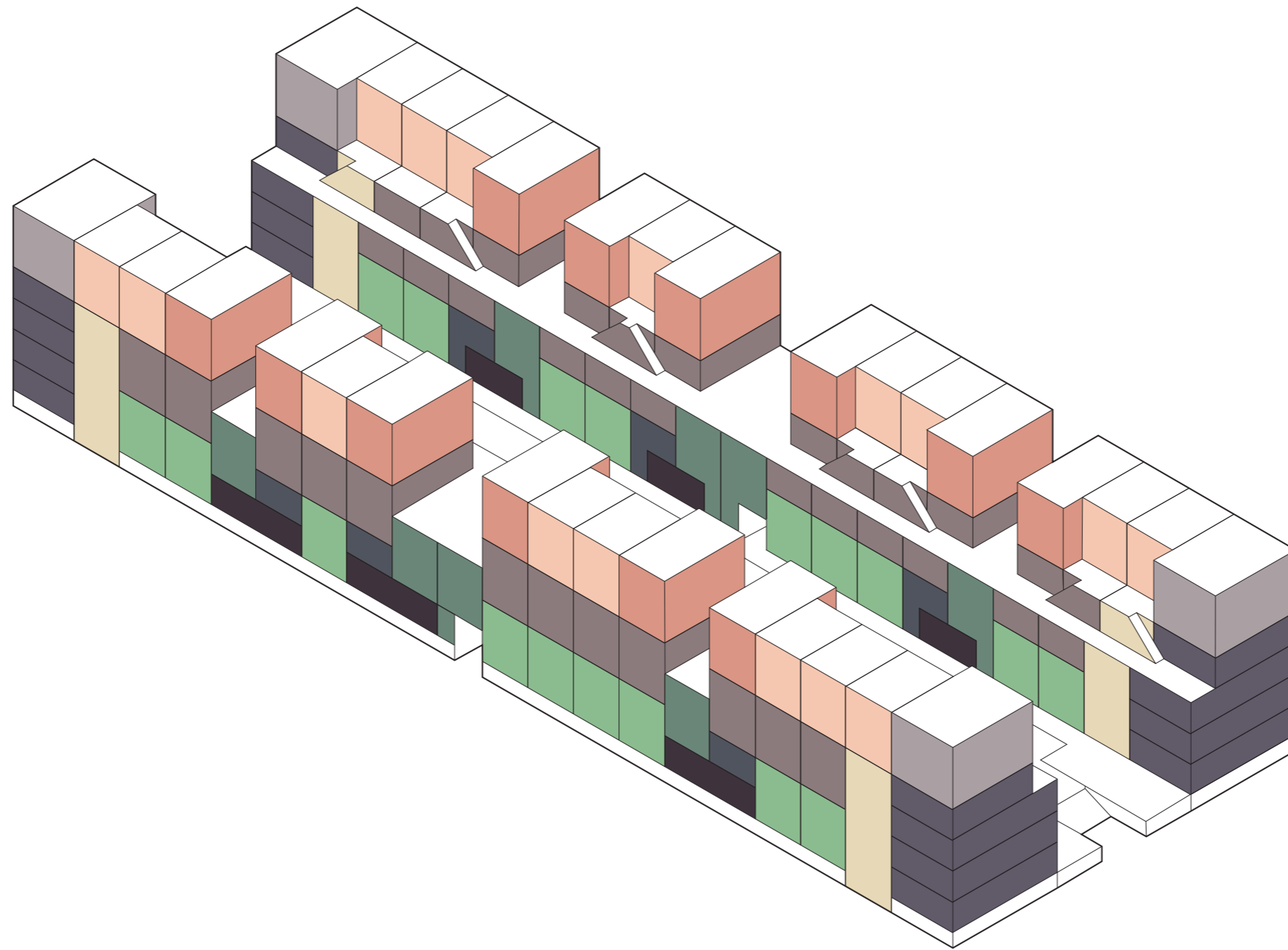
Growing up in the city

Impression small square



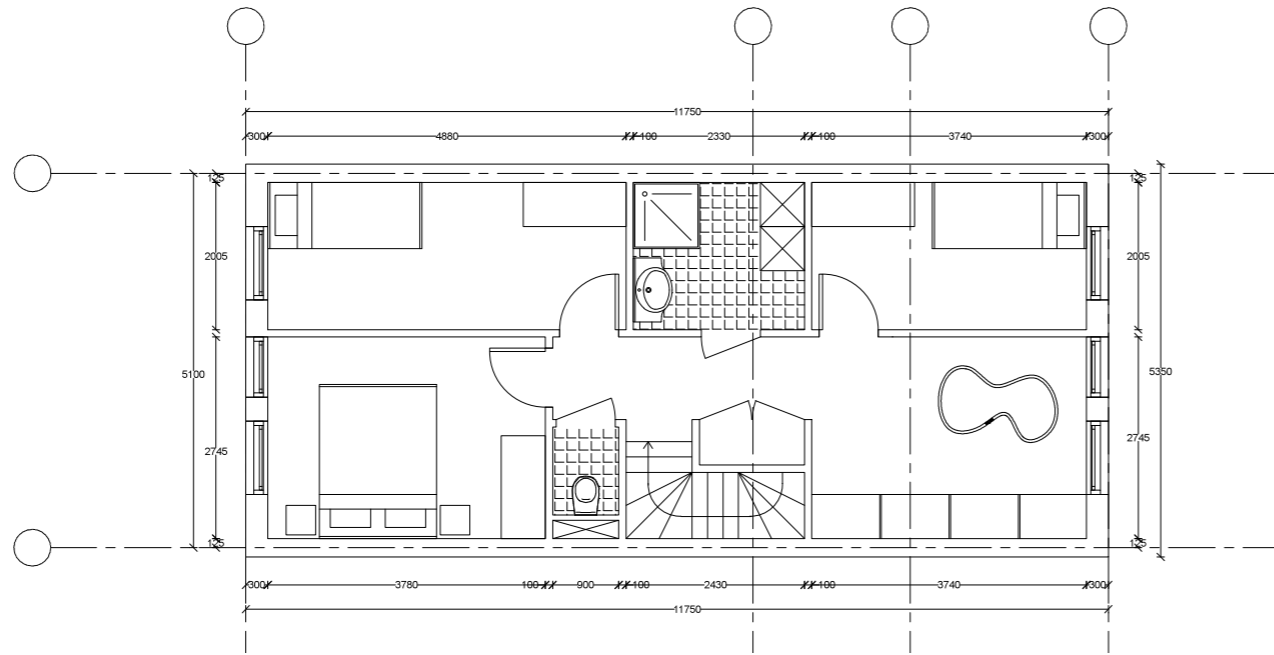
Growing up in the city

Dwelling types

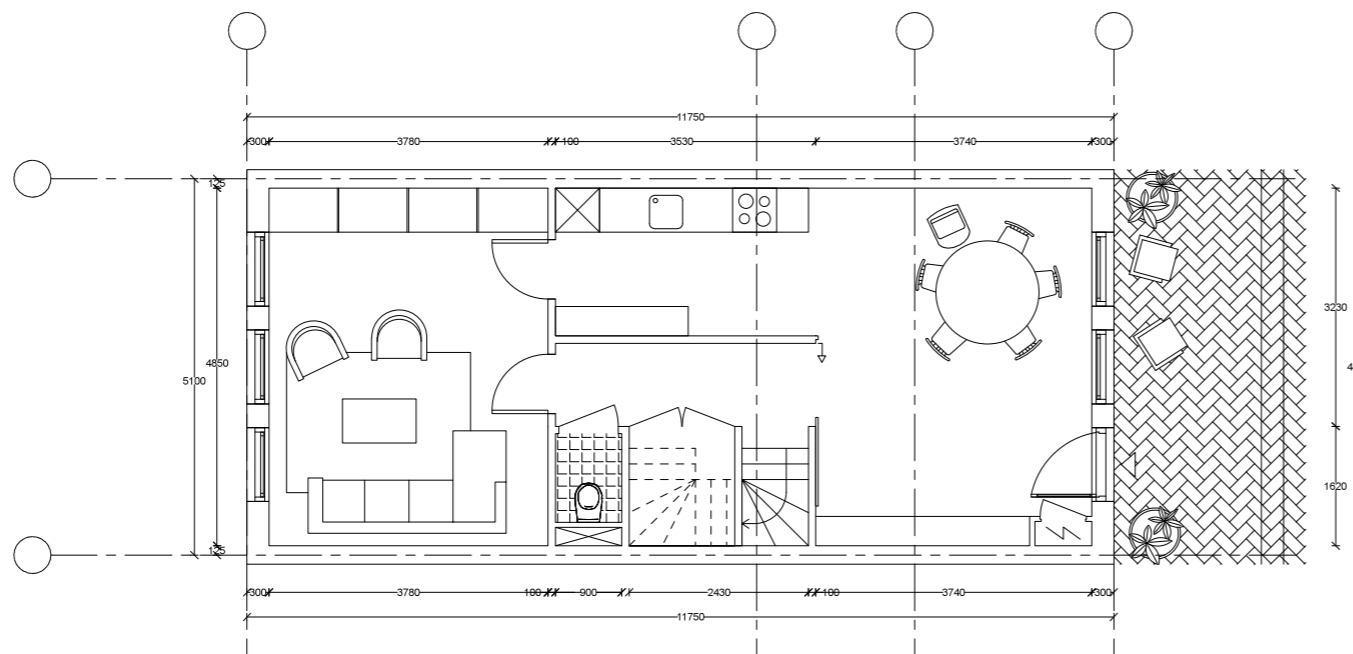
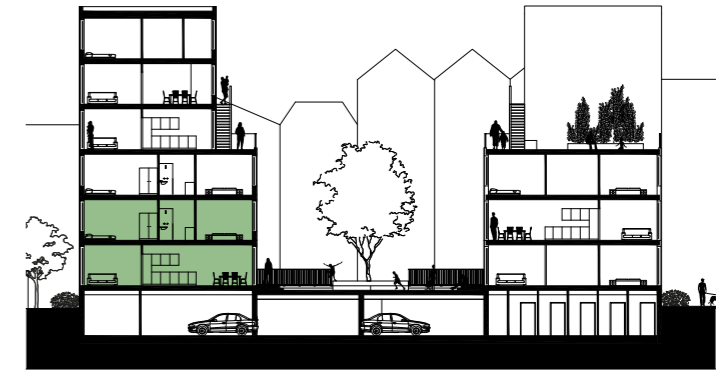


Growing up in the city

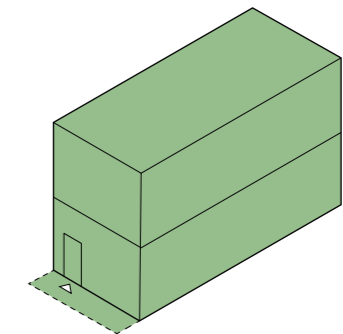
Maisonette type 1



1 - First floor



0 - Ground level - Entrance



Growing up in the city

Maisonette type 1

Living room

Hall and kitchen

Dining room

Outdoor space

Raised square



Growing up in the city

Impression dwelling



Growing up in the city

Maisonette type 1

Bedrooms

Hall and bathroom

Bedroom



Growing up in the city

Addaptive dwelling



3 bedrooms



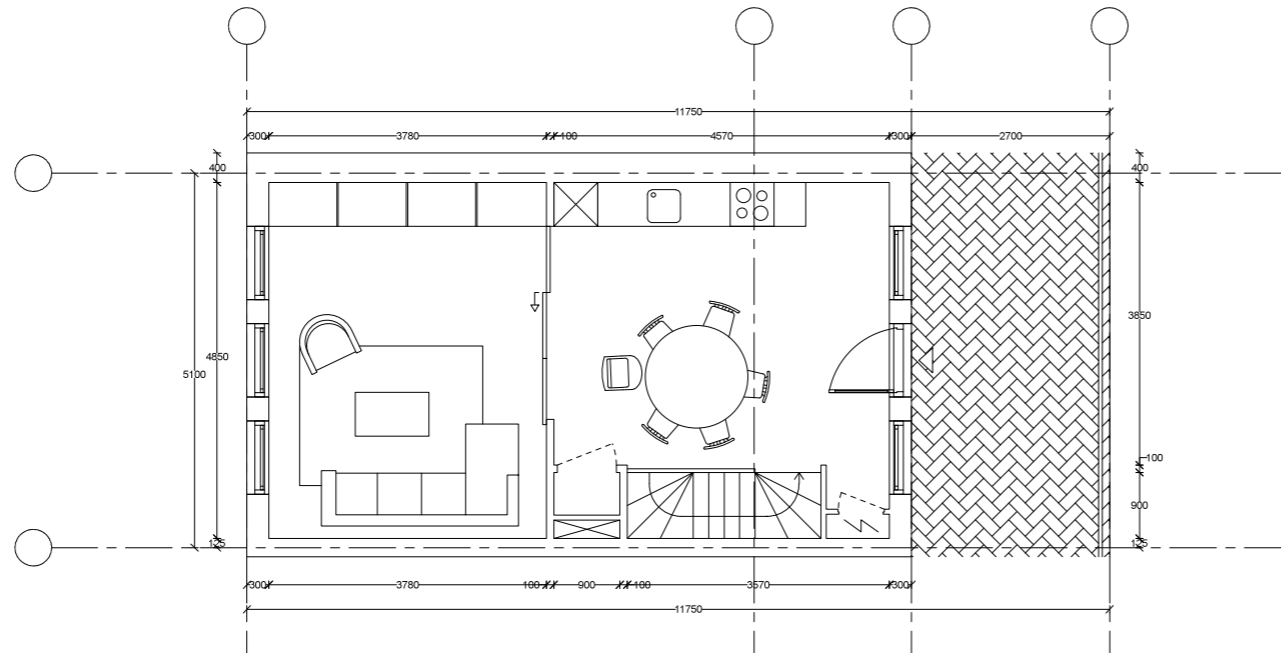
3,5 bedrooms



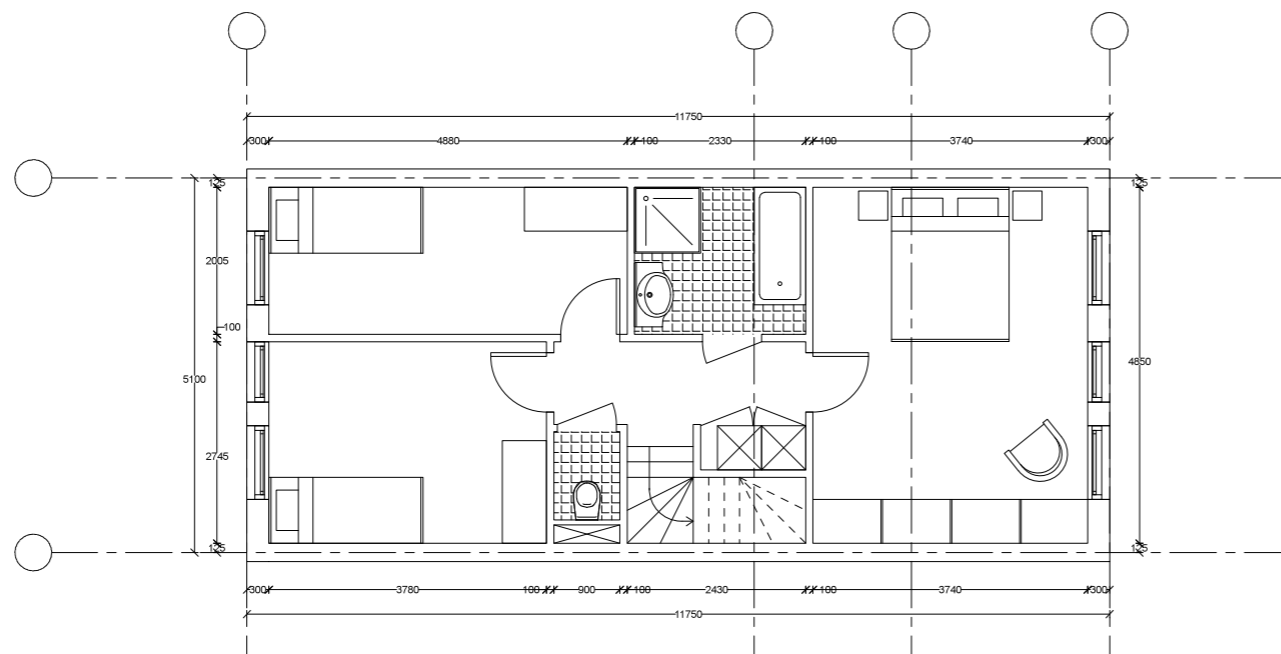
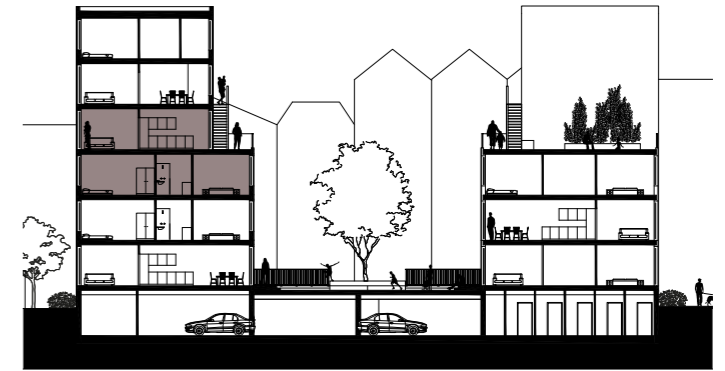
4 bedrooms

Growing up in the city

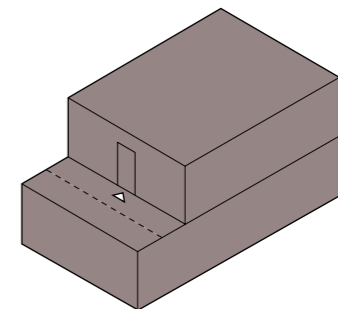
Maisonette type 2



3 - Gallery level - Entrance



2 - Second floor



Growing up in the city

Maisonette type 2

Bedrooms

Hall and bathroom

Bedroom



Growing up in the city

Maisonette type 2

Living room

Stairs, kitchen and
dining room

Outdoor space

Gallery



Growing up in the city

Deviding door



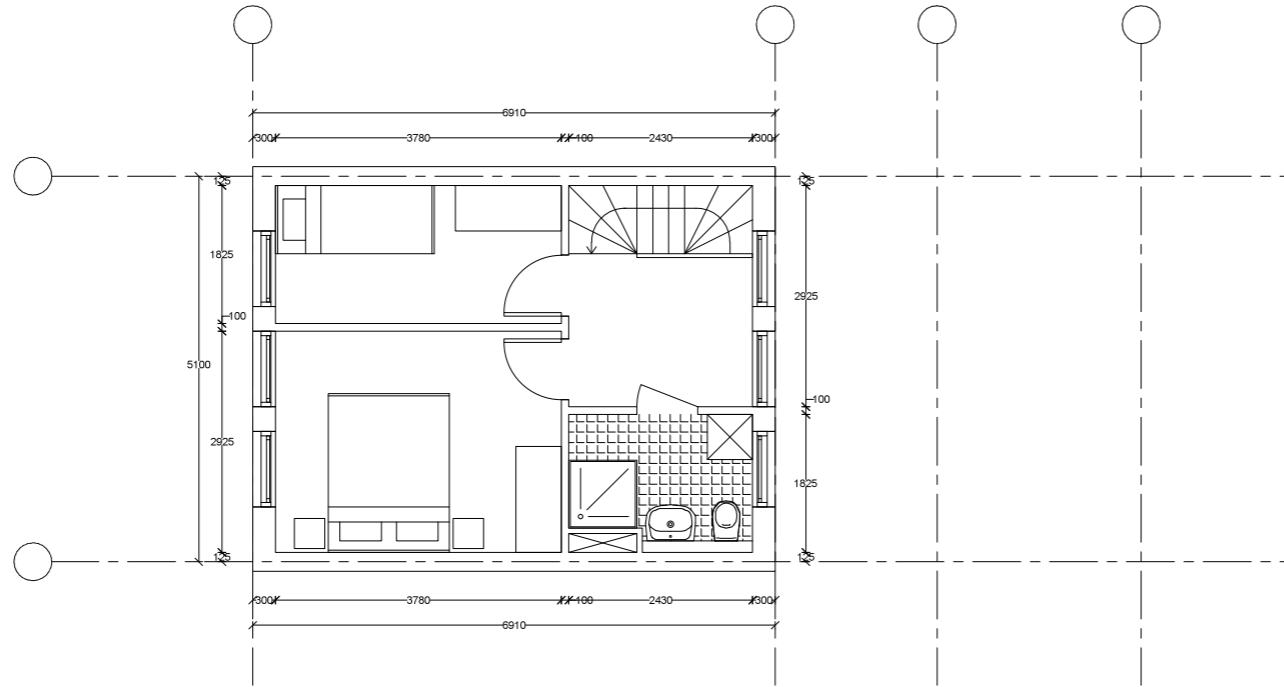
Growing up in the city

Deviding door

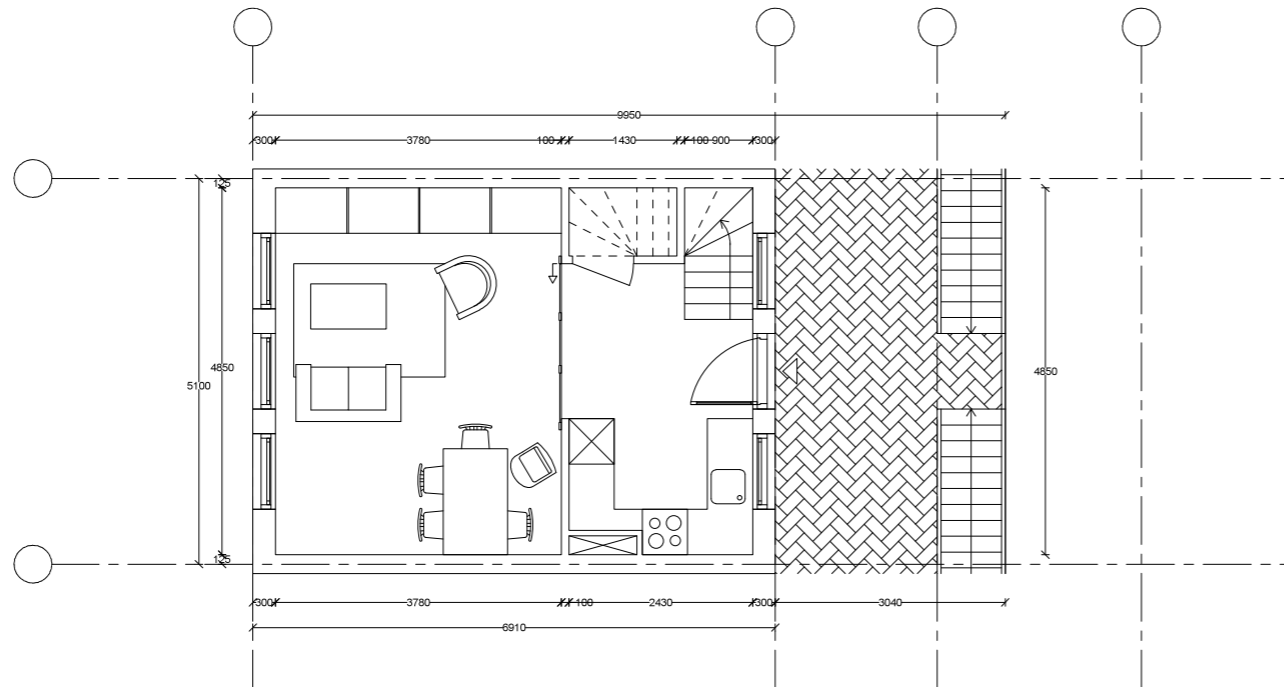


Growing up in the city

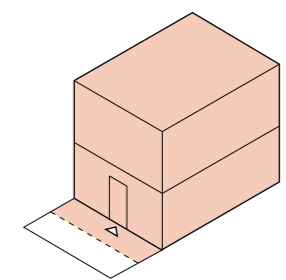
Maisonette type 3



5 - Fifth floor



4 - Forth floor - Entrance



Growing up in the city

Maisonette type 3

Living & dining room

Stairs & kitchen

Outdoor space

Gallery

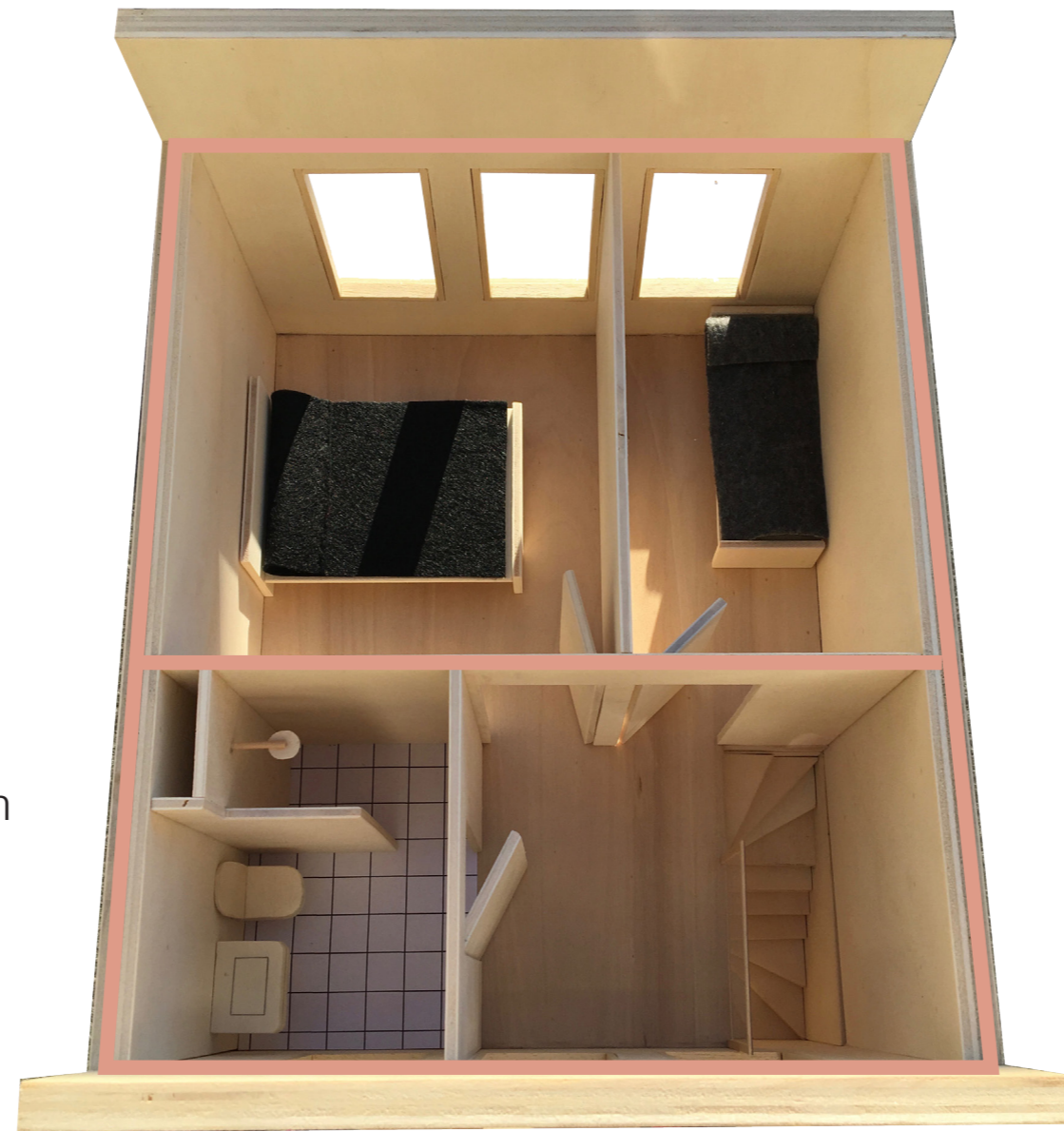


Growing up in the city

Maisonette type 3

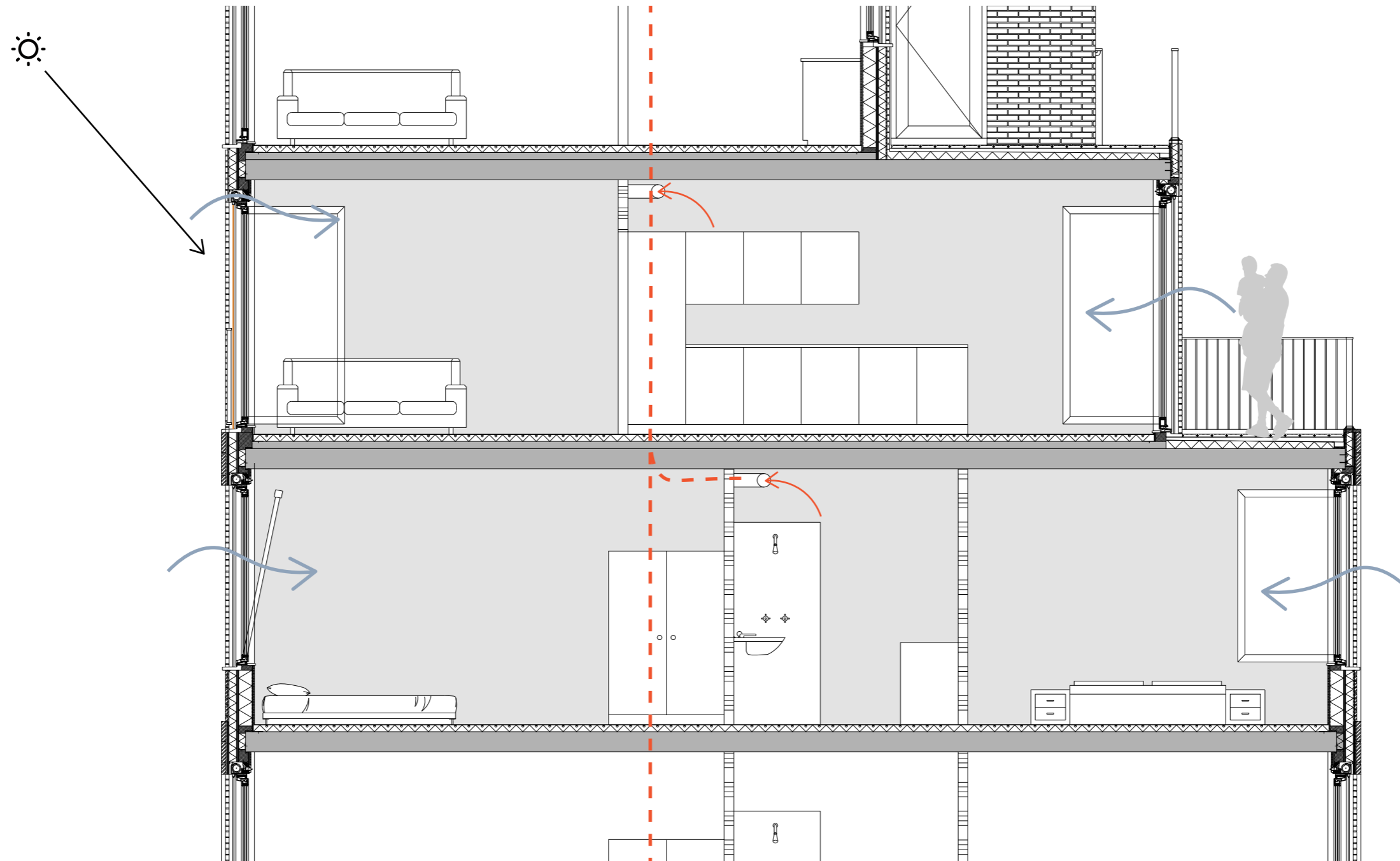
Bedrooms

Hall and bathroom



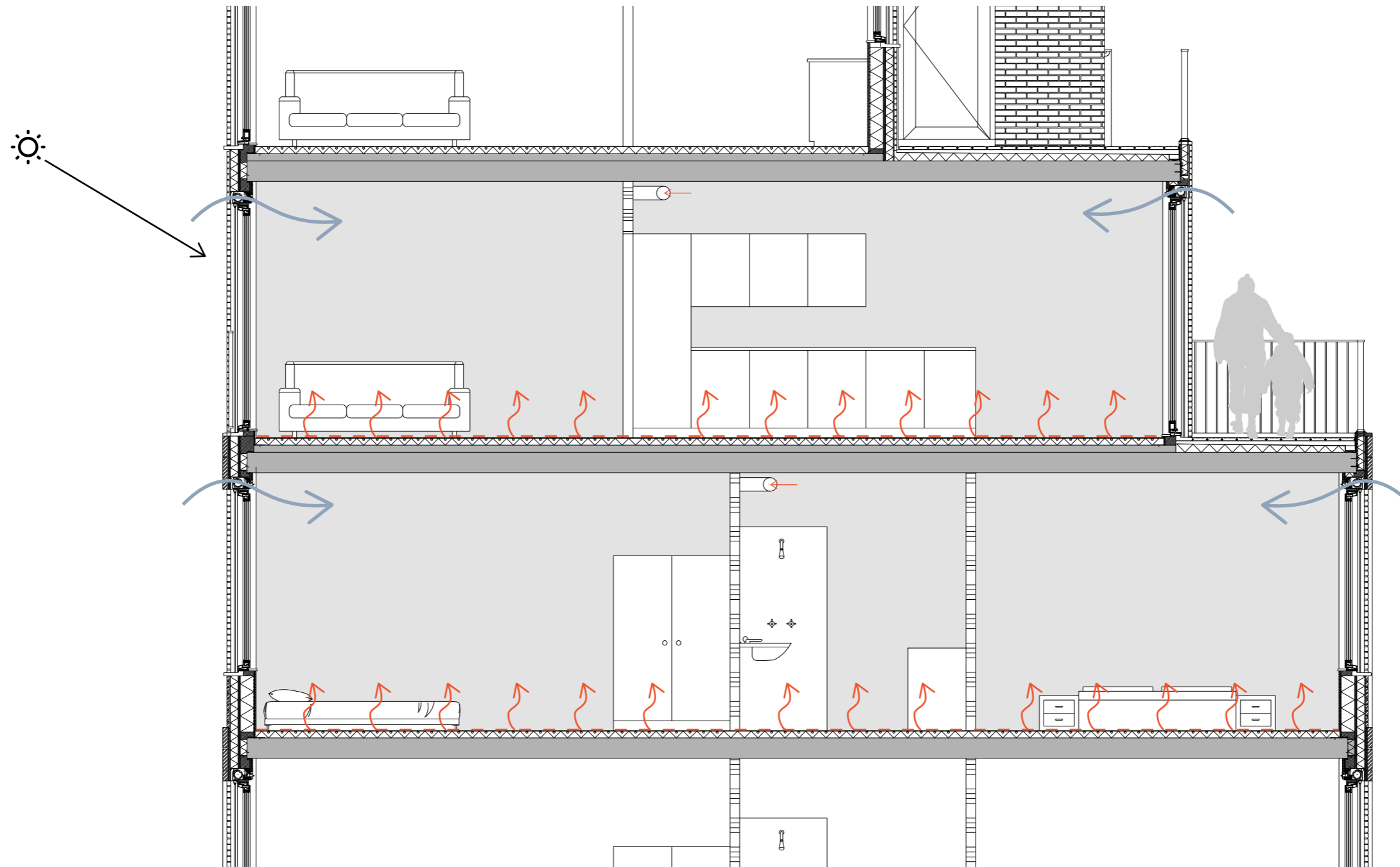
Growing up in the city

Climate design in summer



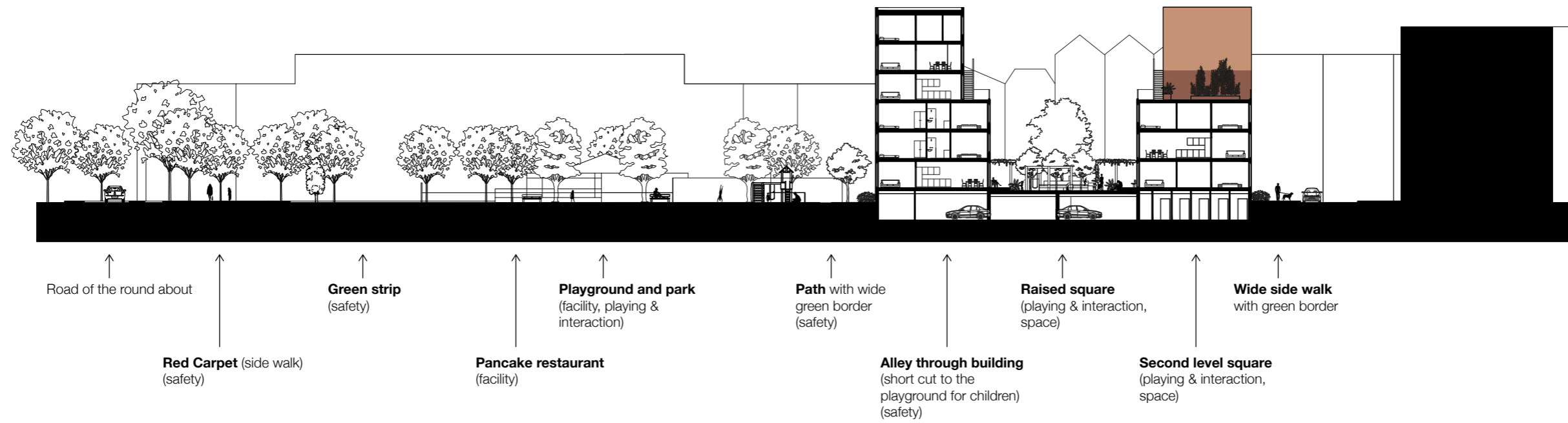
Growing up in the city

Climate design in winter



Growing up in the city

Conclusion



Growing up in the city

Thank you!

