

Gele Scheikunde
Altering the existing

MSc 4 Explore Lab

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Gele Scheikunde

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Jan van de Voort
Heidi Sohn



GEBOUW VOOR SCHEIKUNDE

VERLOF B

136

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1. A moratorium on demolition and construction

1.A. Material Waste

1.B. Degrounding of culture

2. Avoid grand narratives

3. "What is the worldview needed?"

4. Design a mode of valuation

5. Give an existence to what has value

6. Think in term of processes

7. Continuation

8. Reparation

9. Alteration

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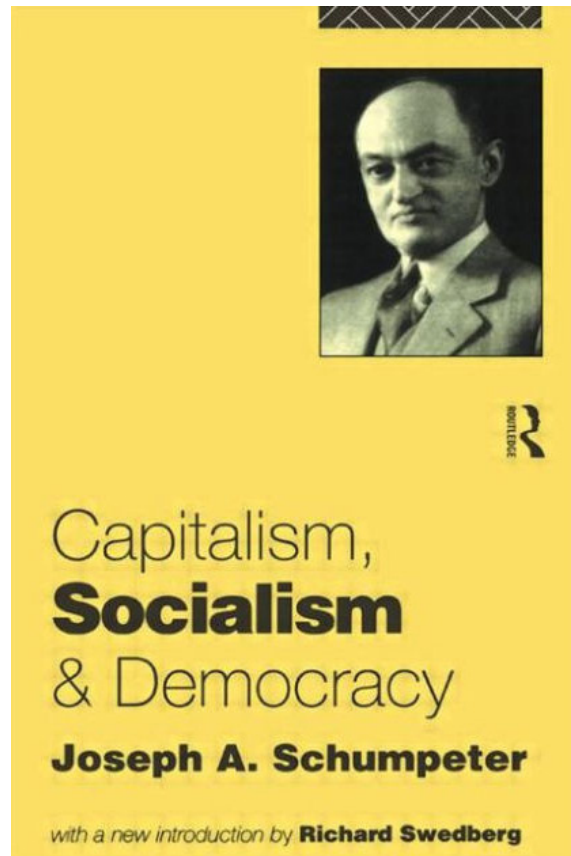
6. Think in term of processes

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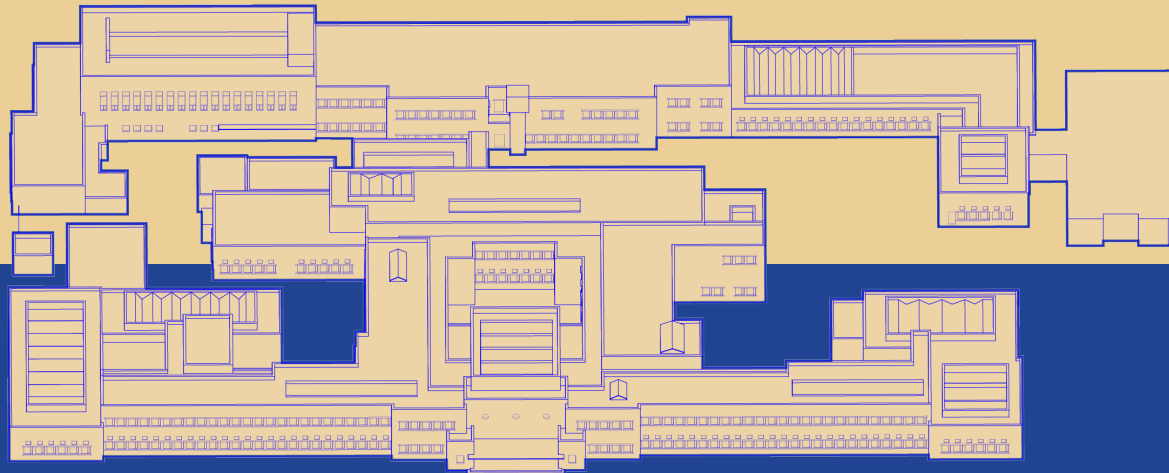
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Destruction

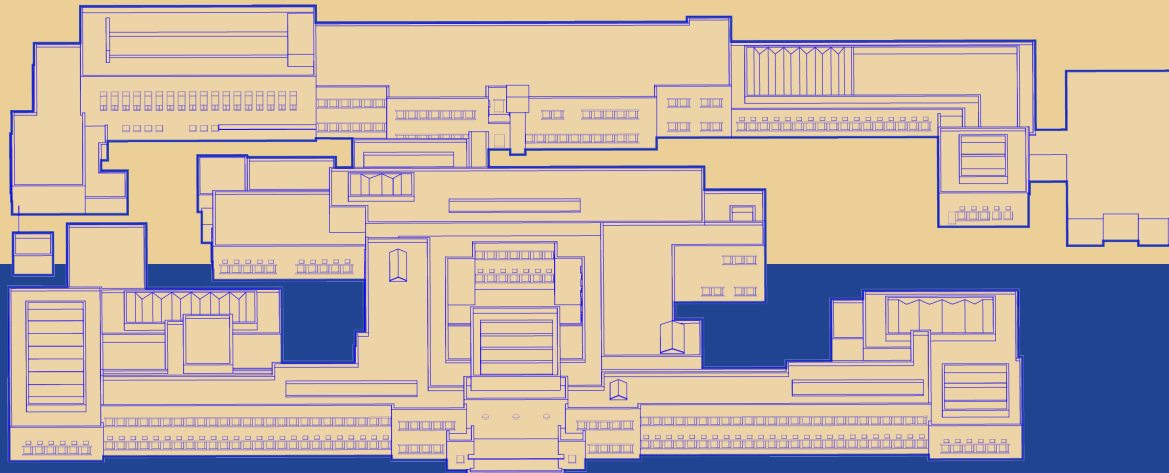


Creation

Destruction

Obsolescence

Mode of valuation



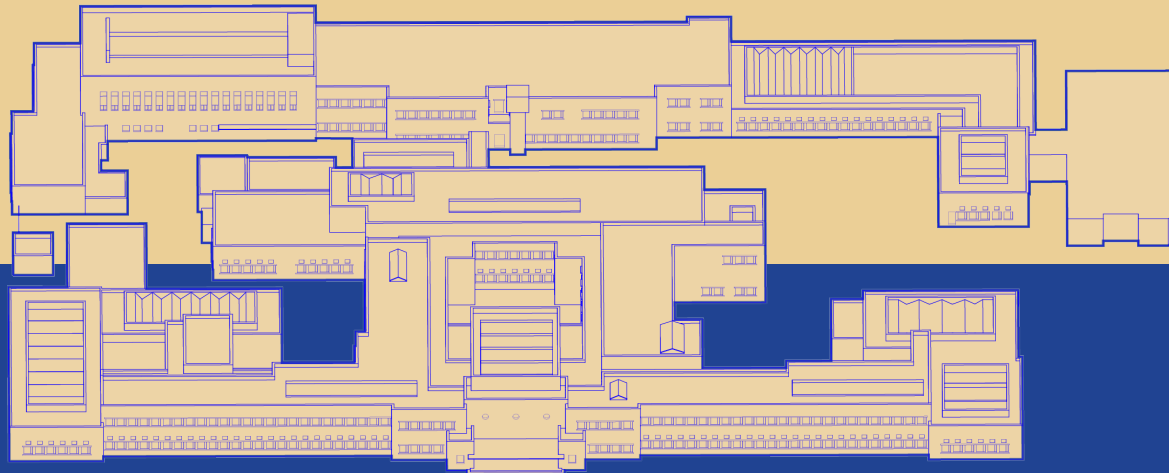
Creation

Destruction

Obsolescence

Mode of valuation

Mode of production



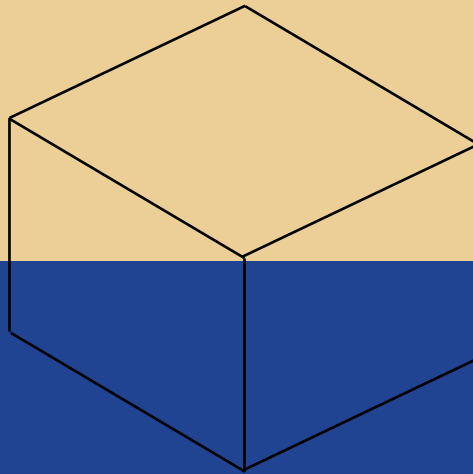
Creation

Destruction

Obsolescence

Mode of valuation

Mode of production



Redevelopment

Creation

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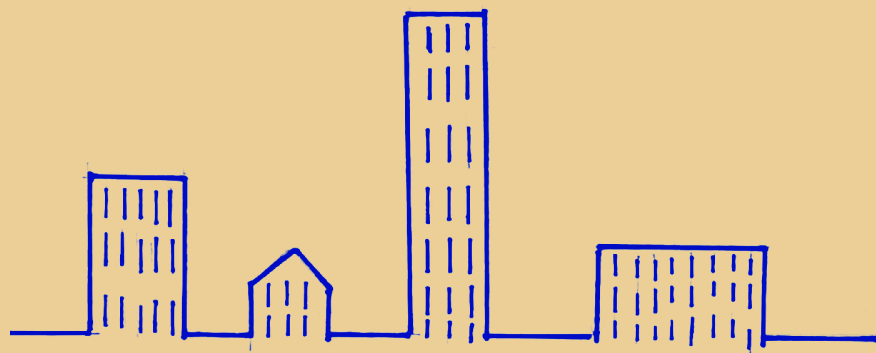
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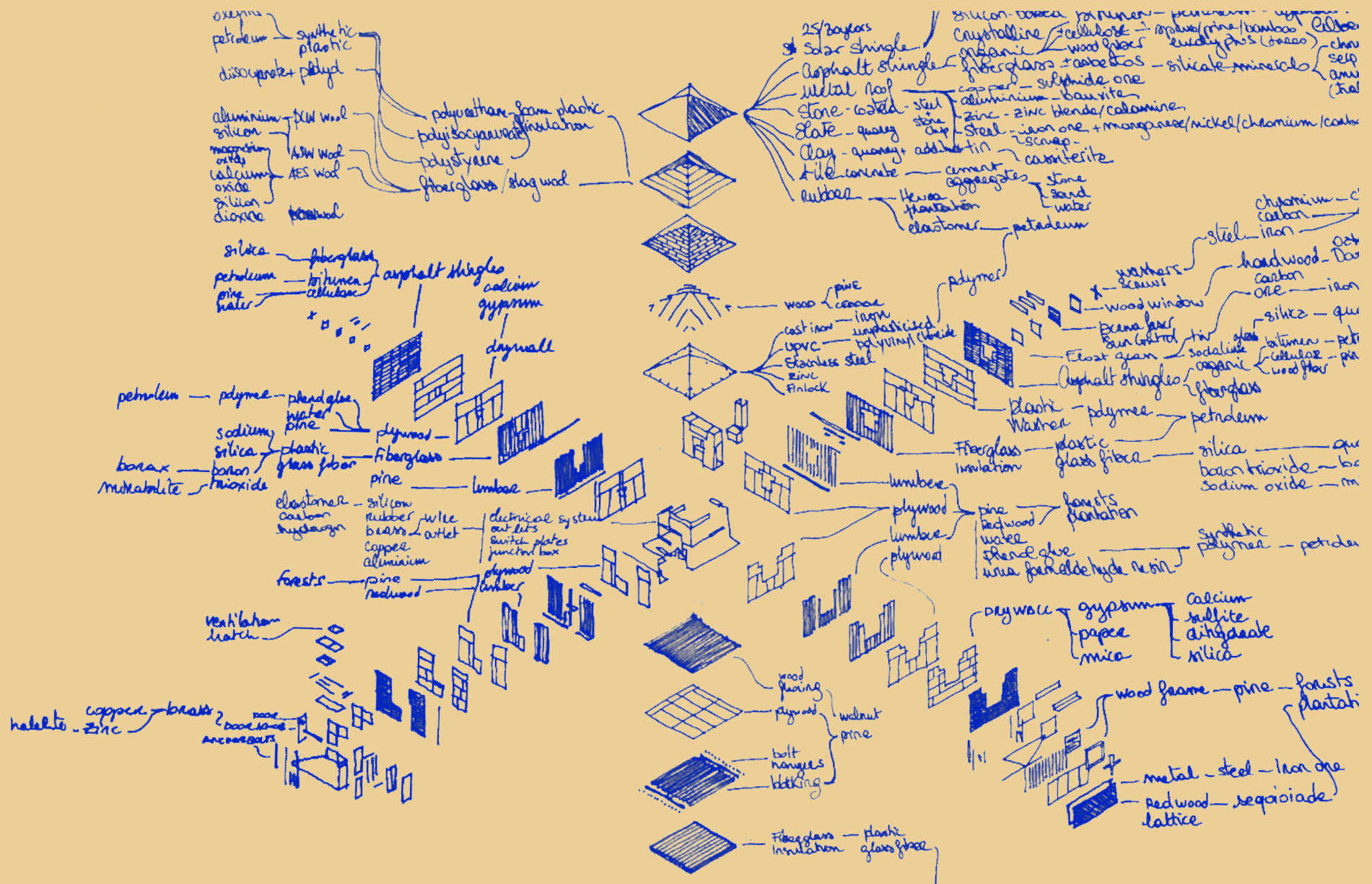
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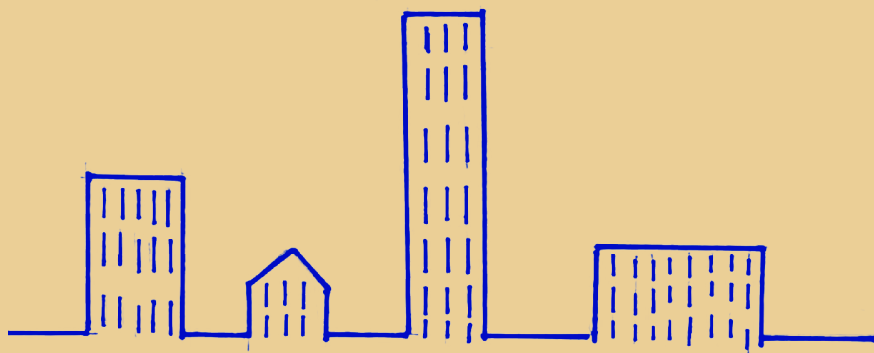
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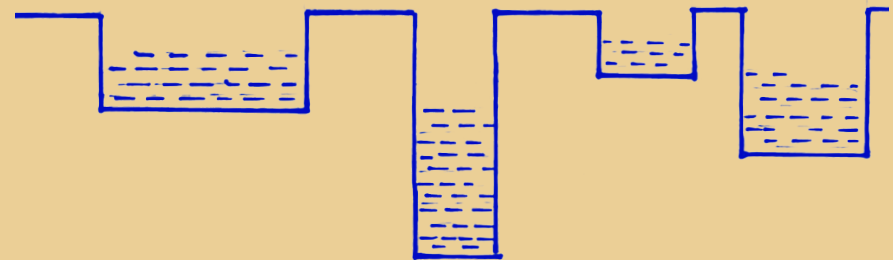


Addition





Addition



Subtraction

"Nothing is lost, nothing is created, everything is transformed" A. Lavoisier



Agregate



Sand



Iron



Stones



Clay



Cement

Embodied energy and Embodied carbon

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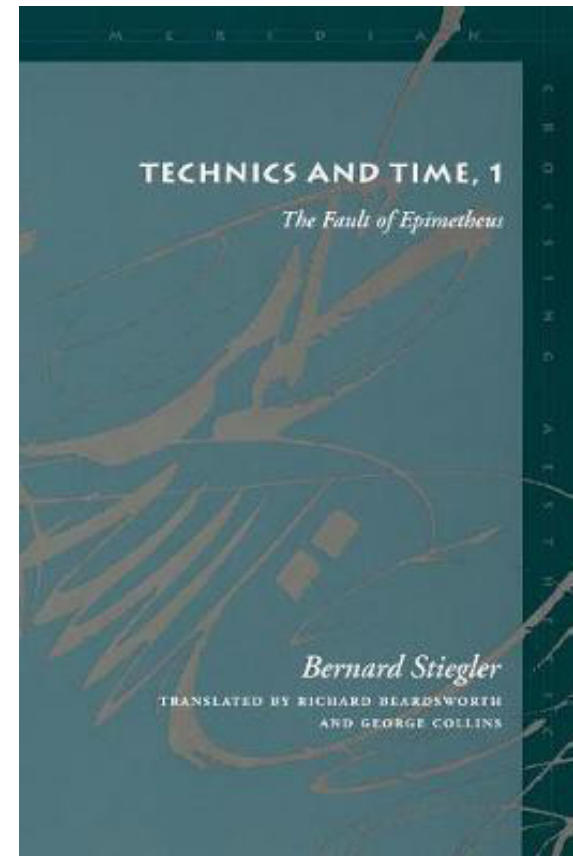
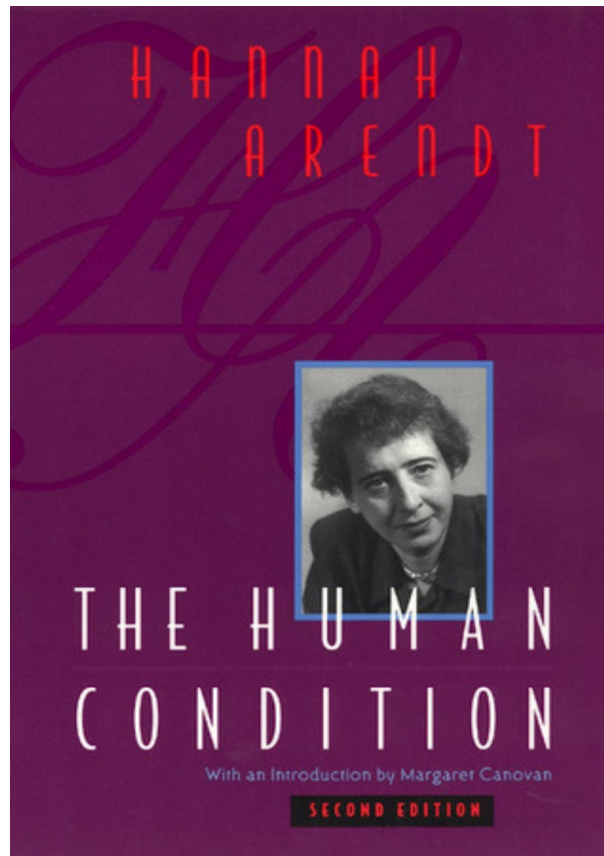
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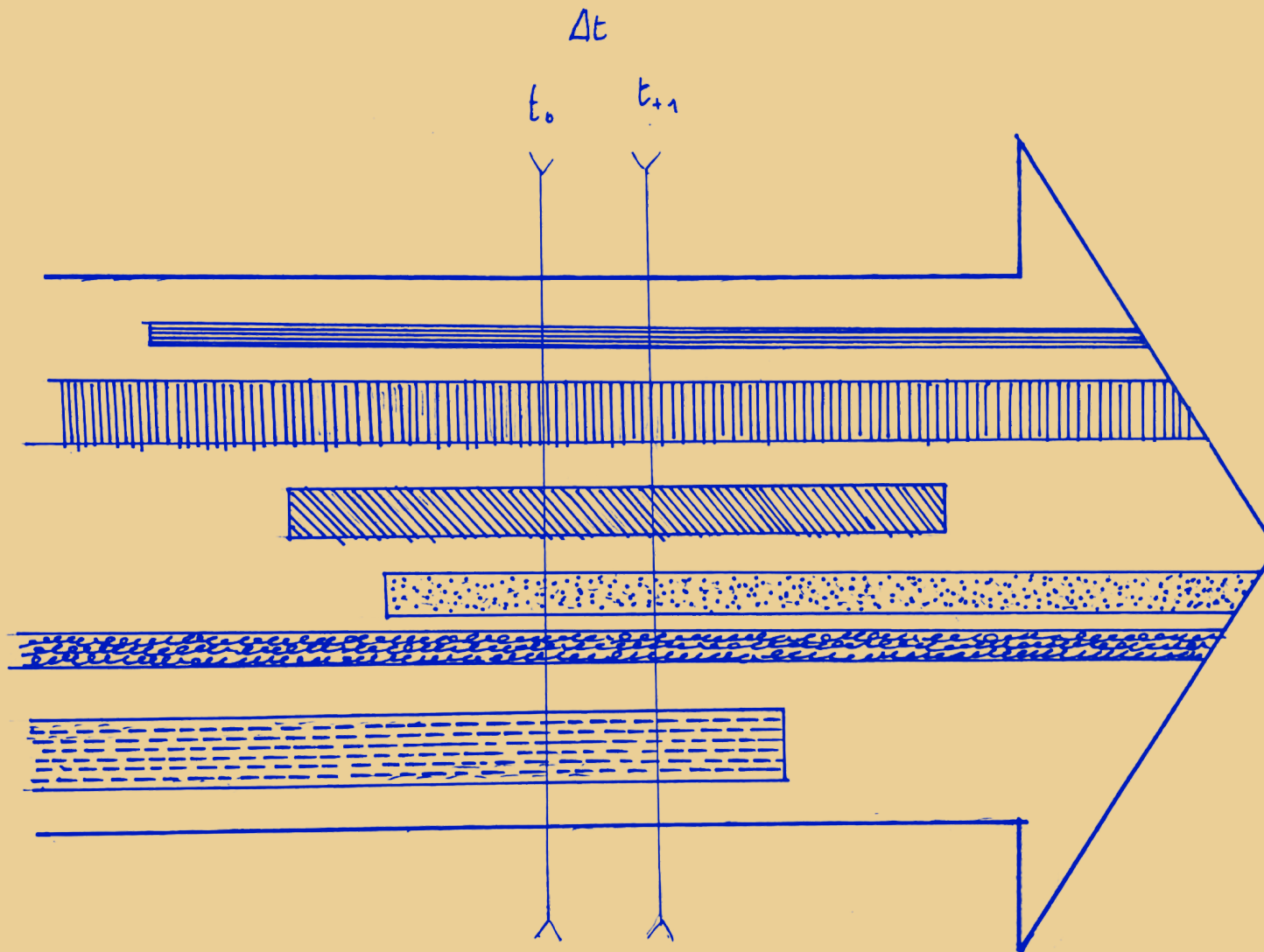
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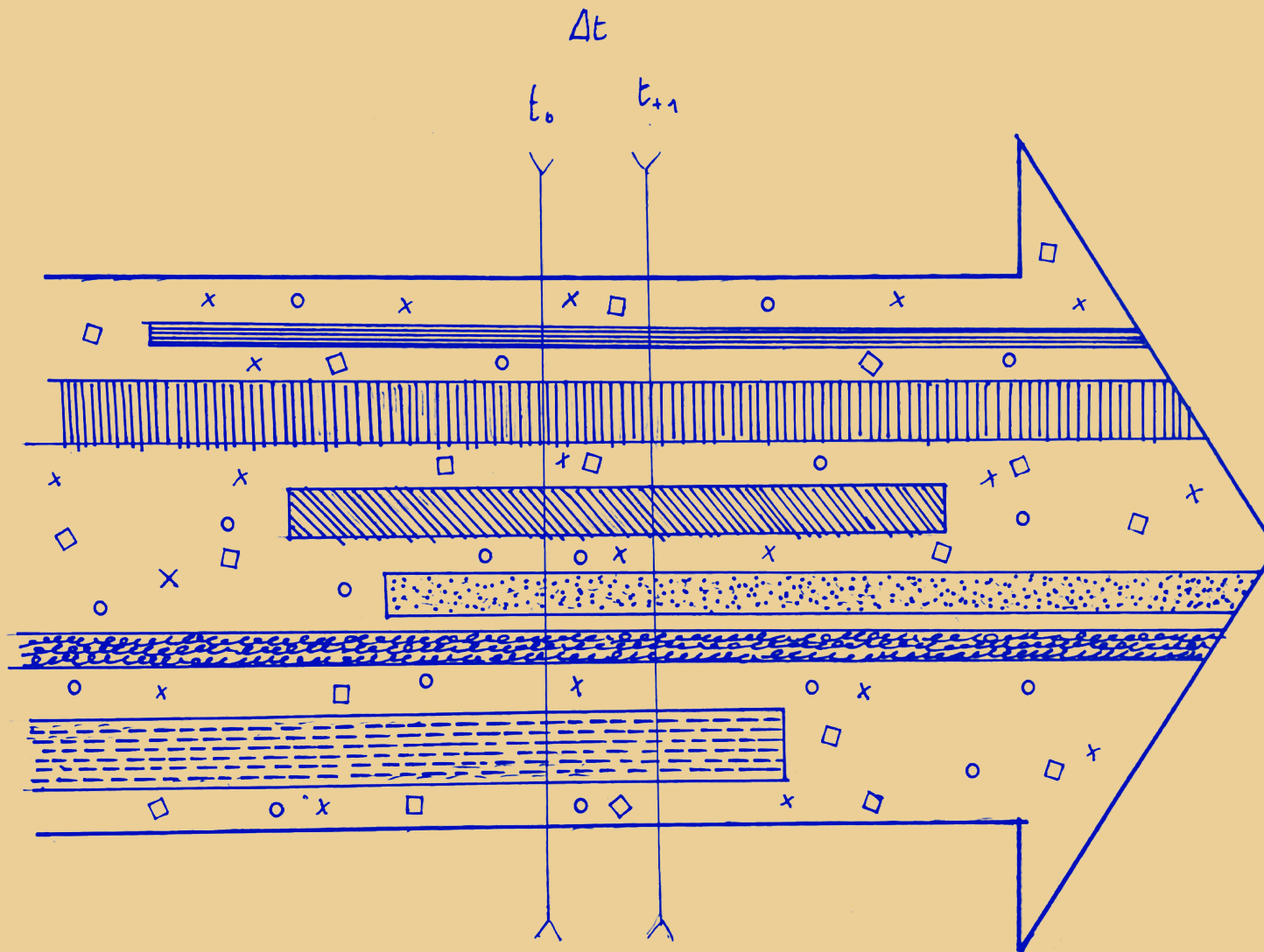
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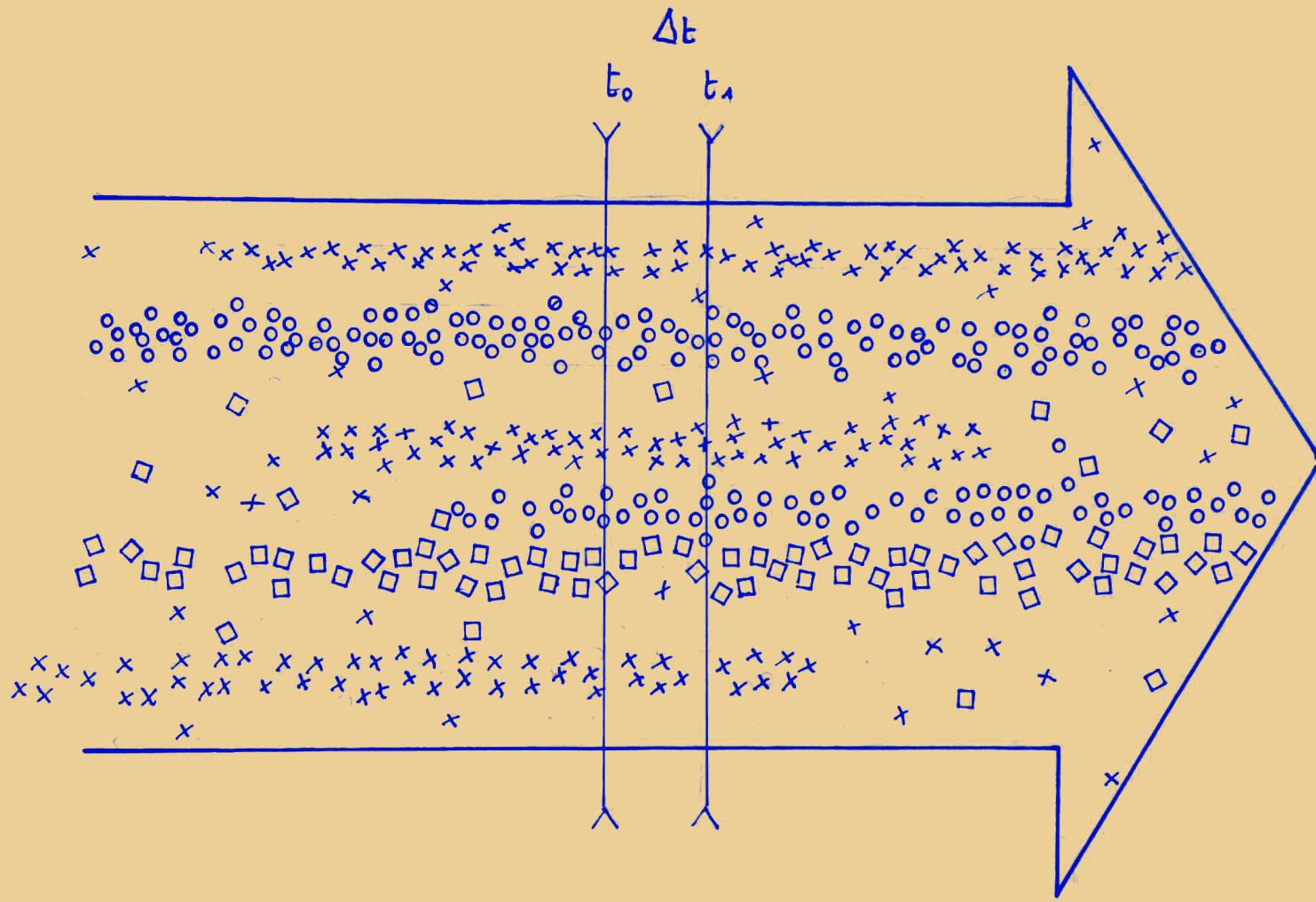




The product of work - Permanence



The product of labor - Fleeting



Permenant = Fleeting

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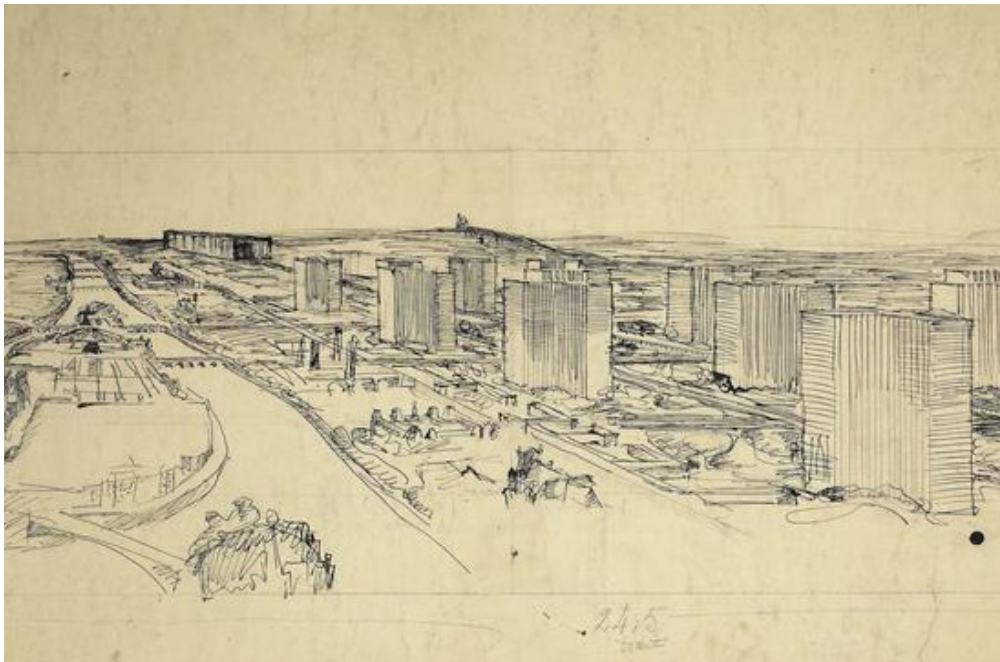
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«A grand narrative gives a society legitimation through the anticipated completion of a master idea.»

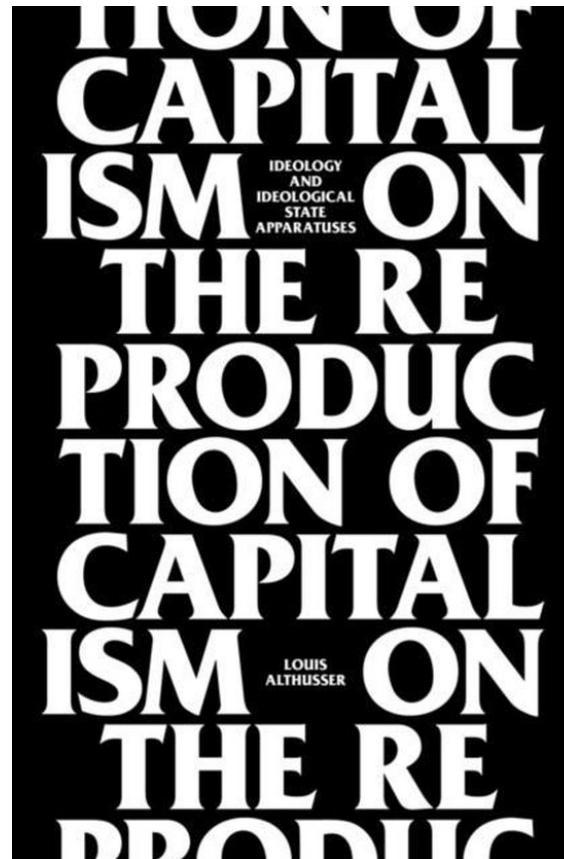


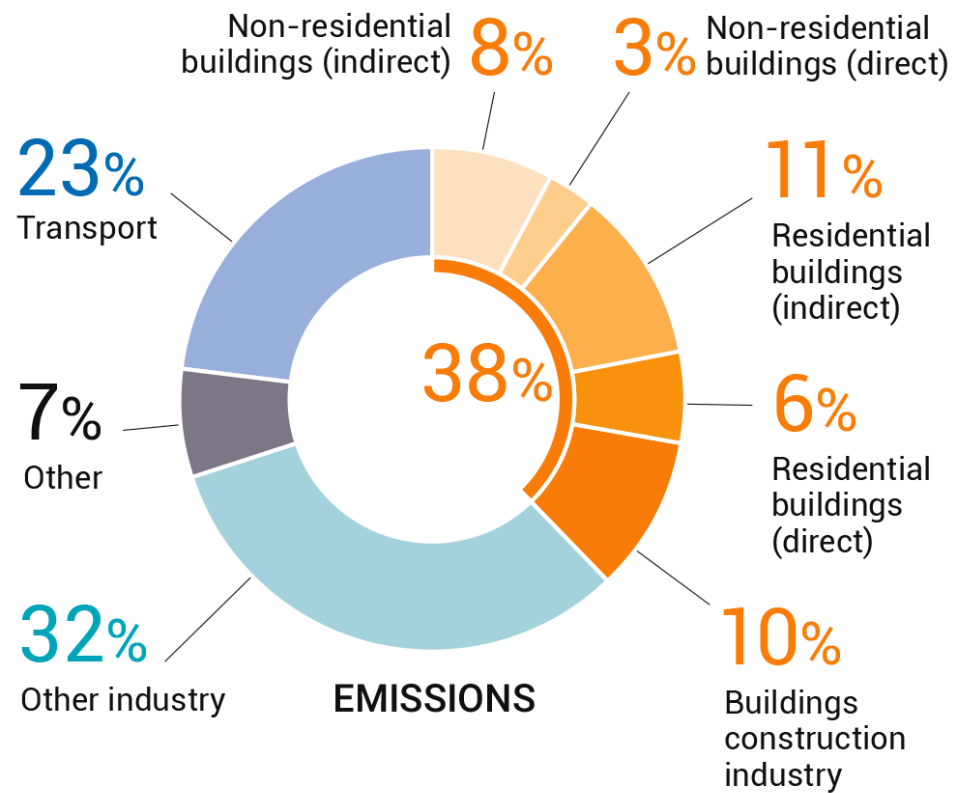
Modernism



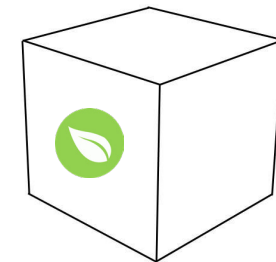
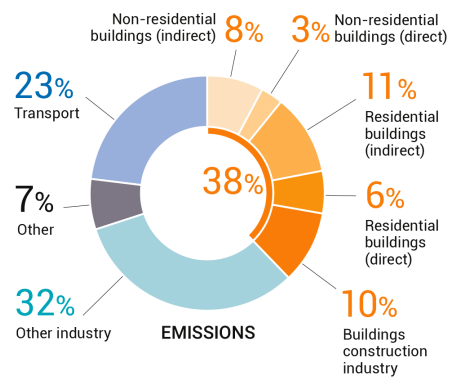
Hyper modernism

Emancipation = Technological progress

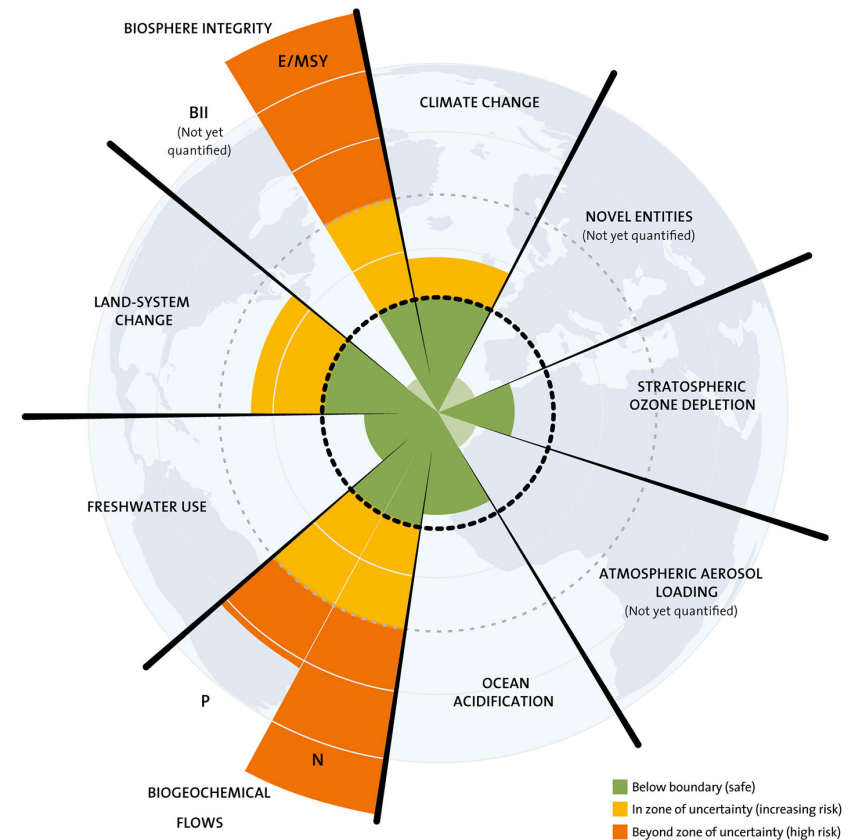
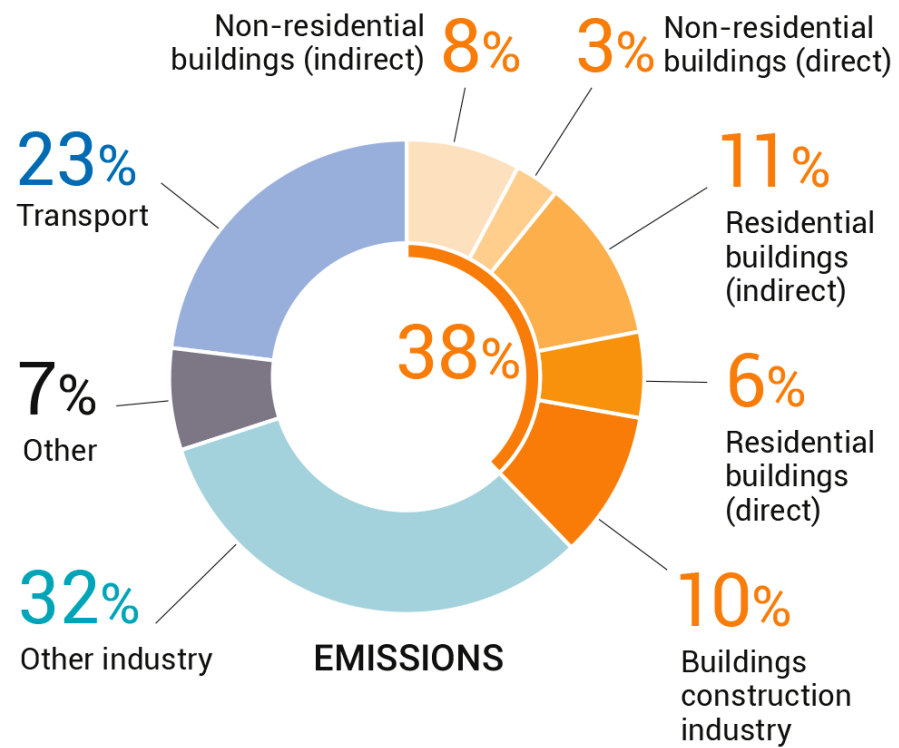


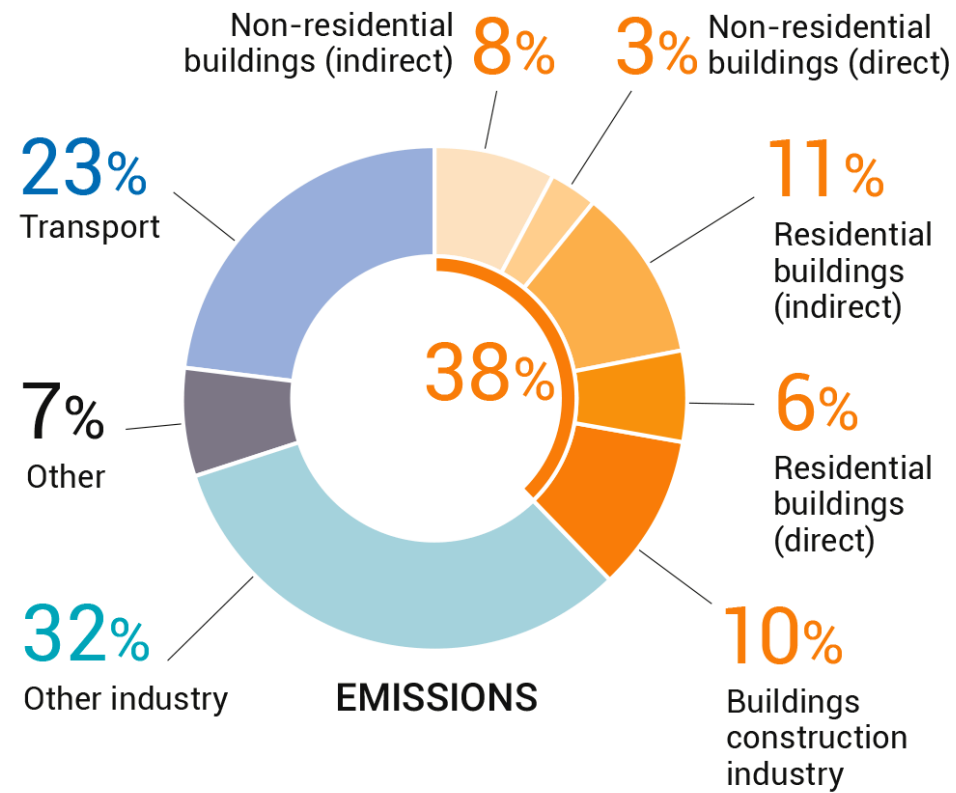


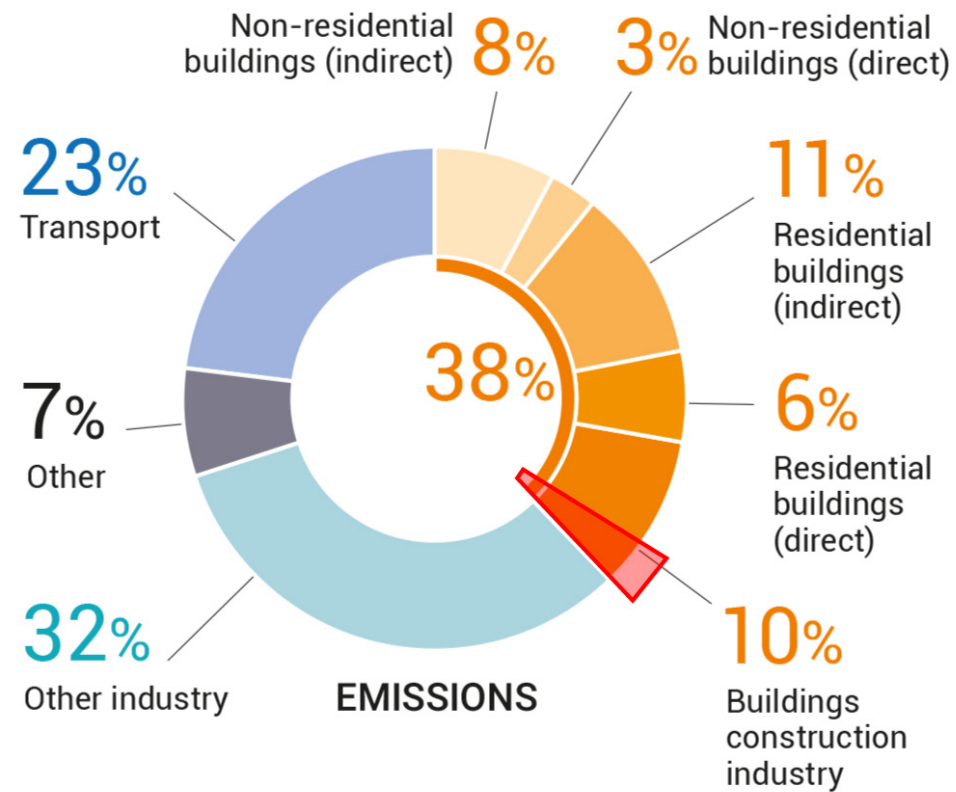
«Building industry is responsible of 40% carbon emission»

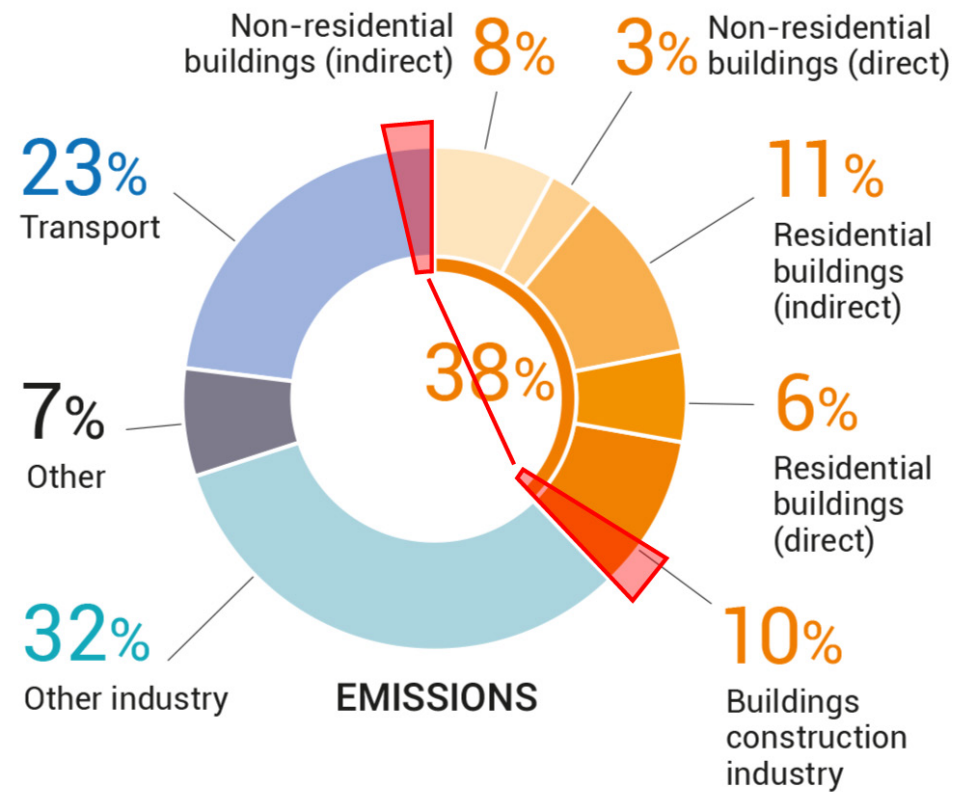


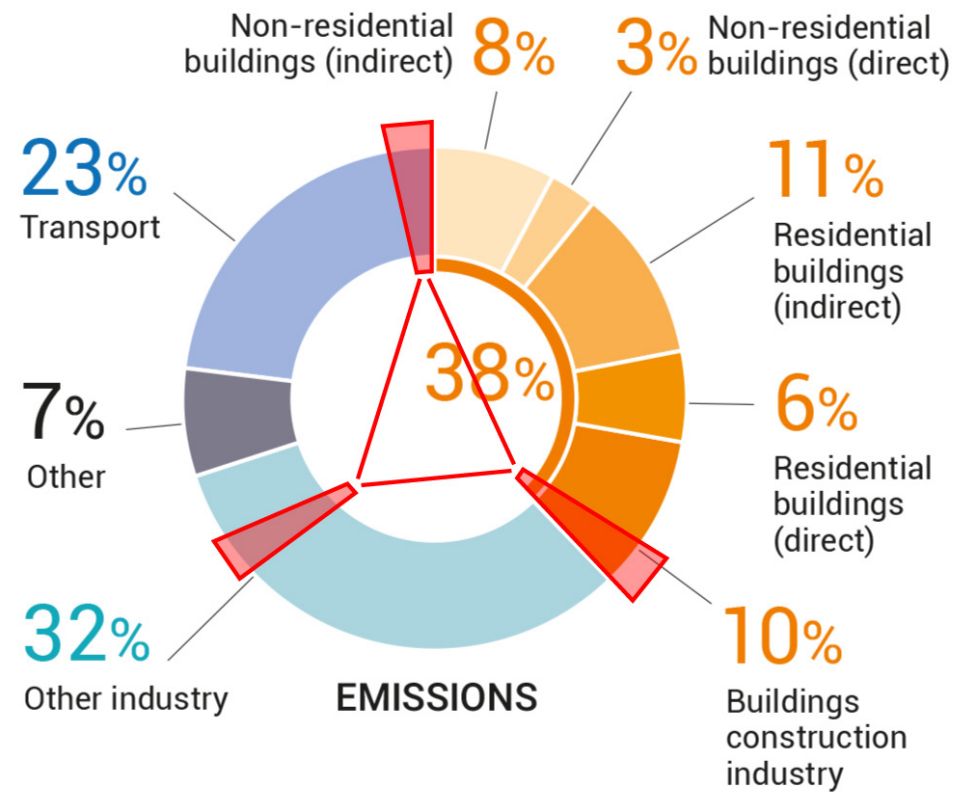
Sustainable buildings











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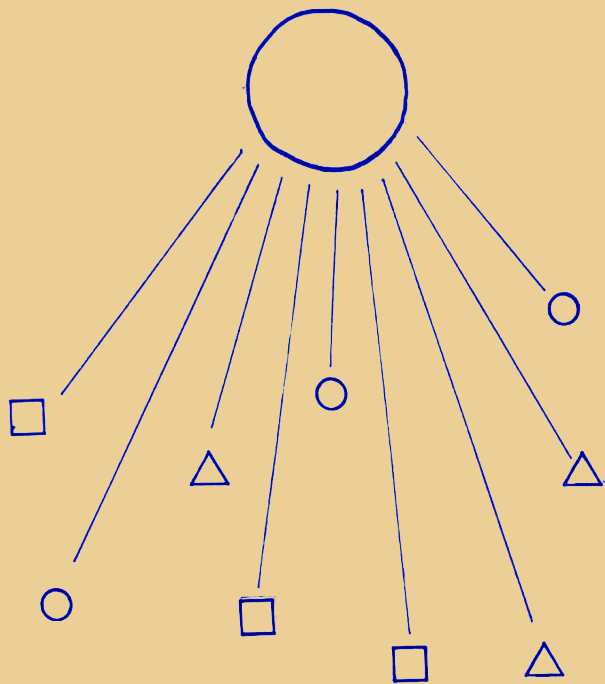
7. Continuation

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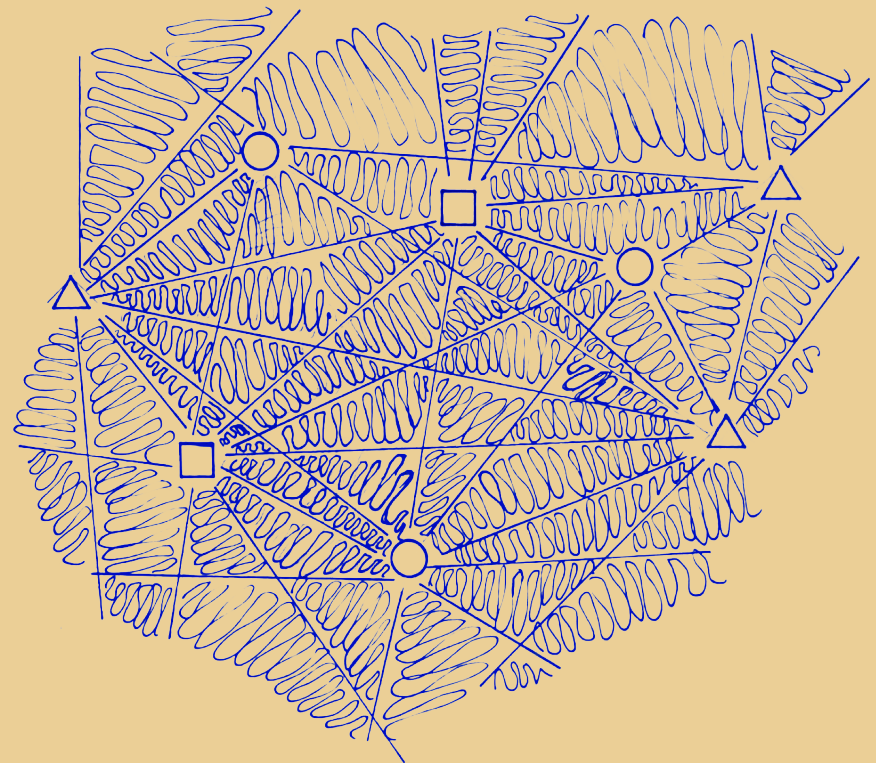
9. Alteration

«Rather than asking “is this project really sustainable or not?”, we should ask ourselves, “what is the worldview needed in order to consider this project sustainable?”.»

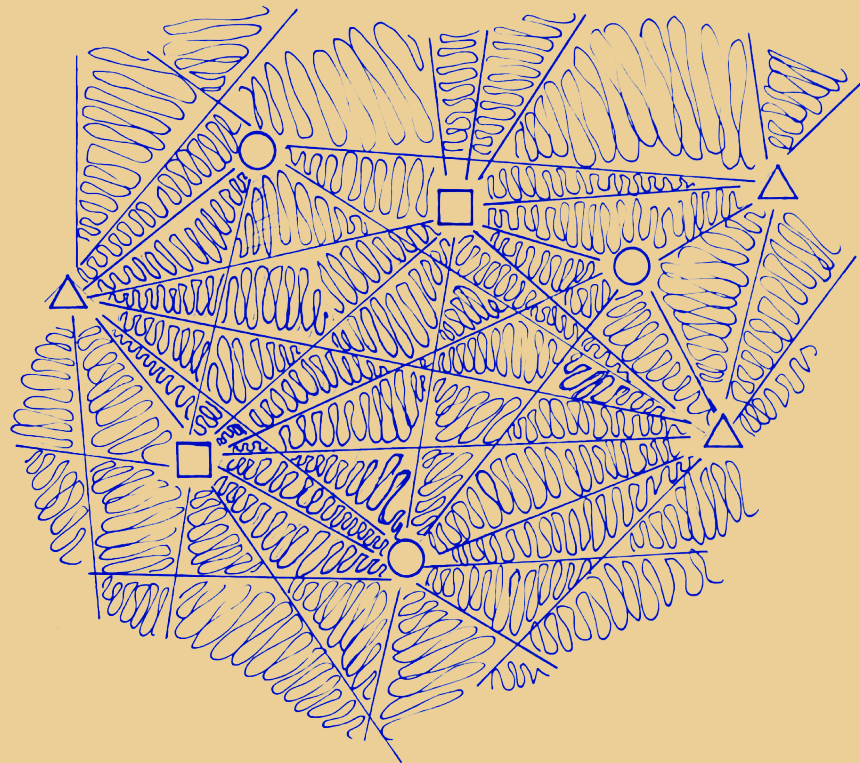
Marten Gielen - **Rotor**



Dominant view



Situated view



Existential territory

Thinking from the milieu

Explicification

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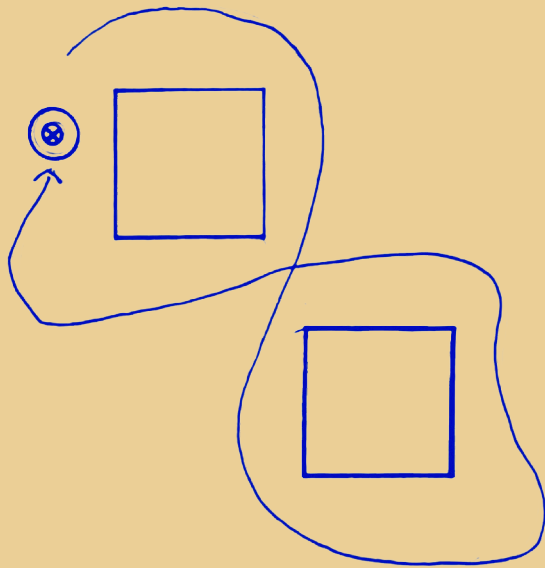
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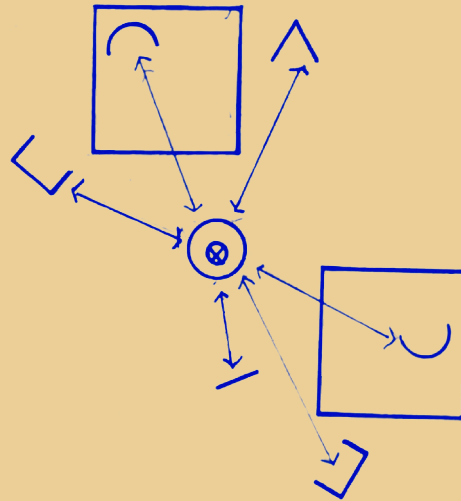
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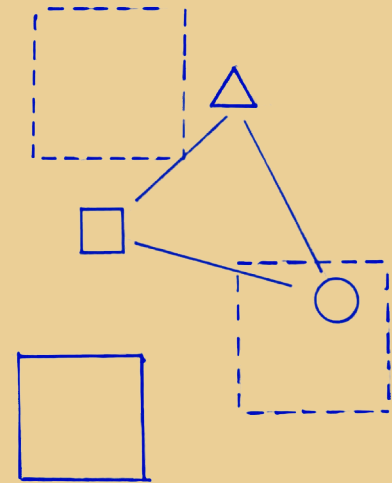
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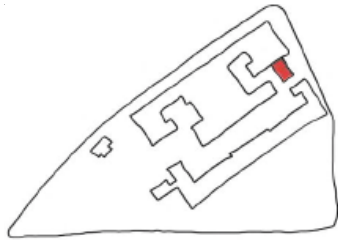
Surveying



Gleaning



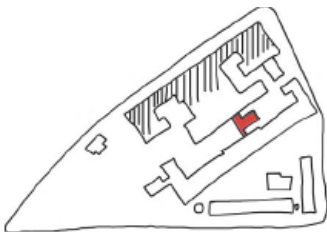
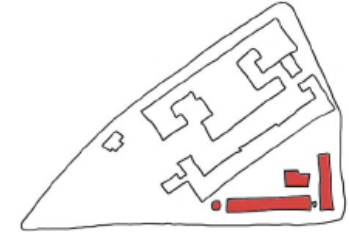
Unthinking



Additional laboratory 1947



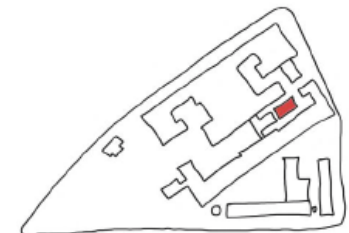
Proeffabrieken 1949

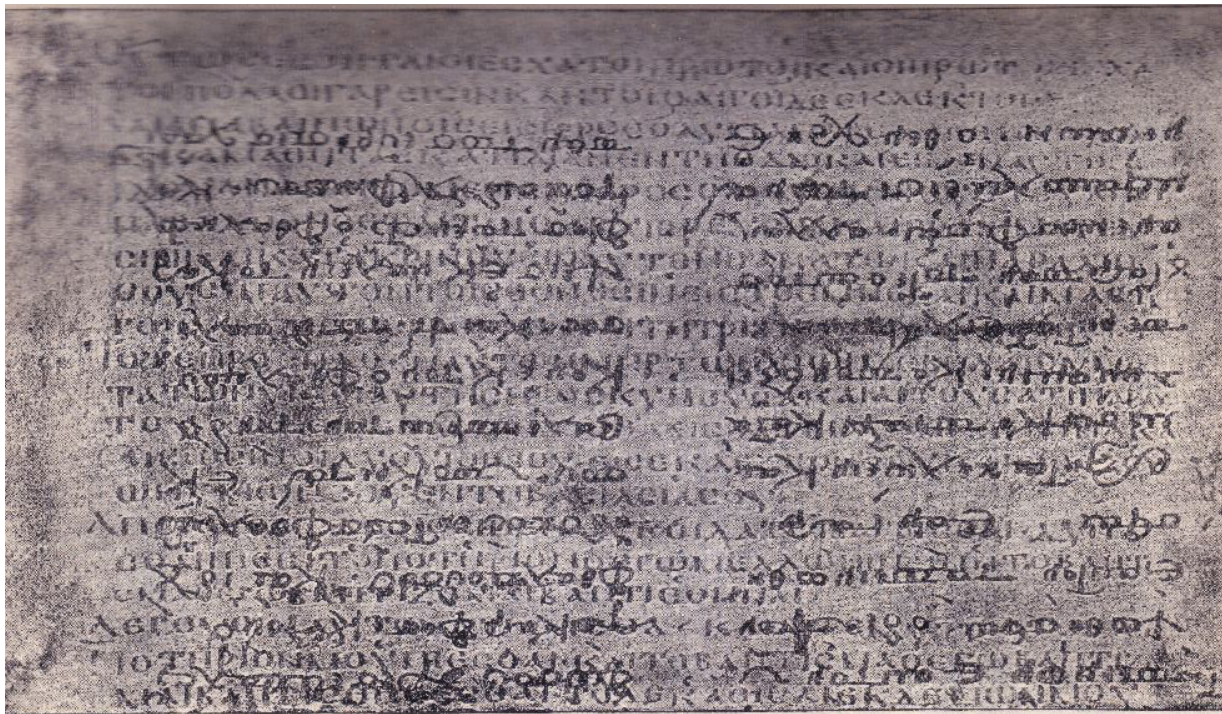


Expansion of a laboratory 1949



Additionnal warehouse 1970





The building is a palimpseste

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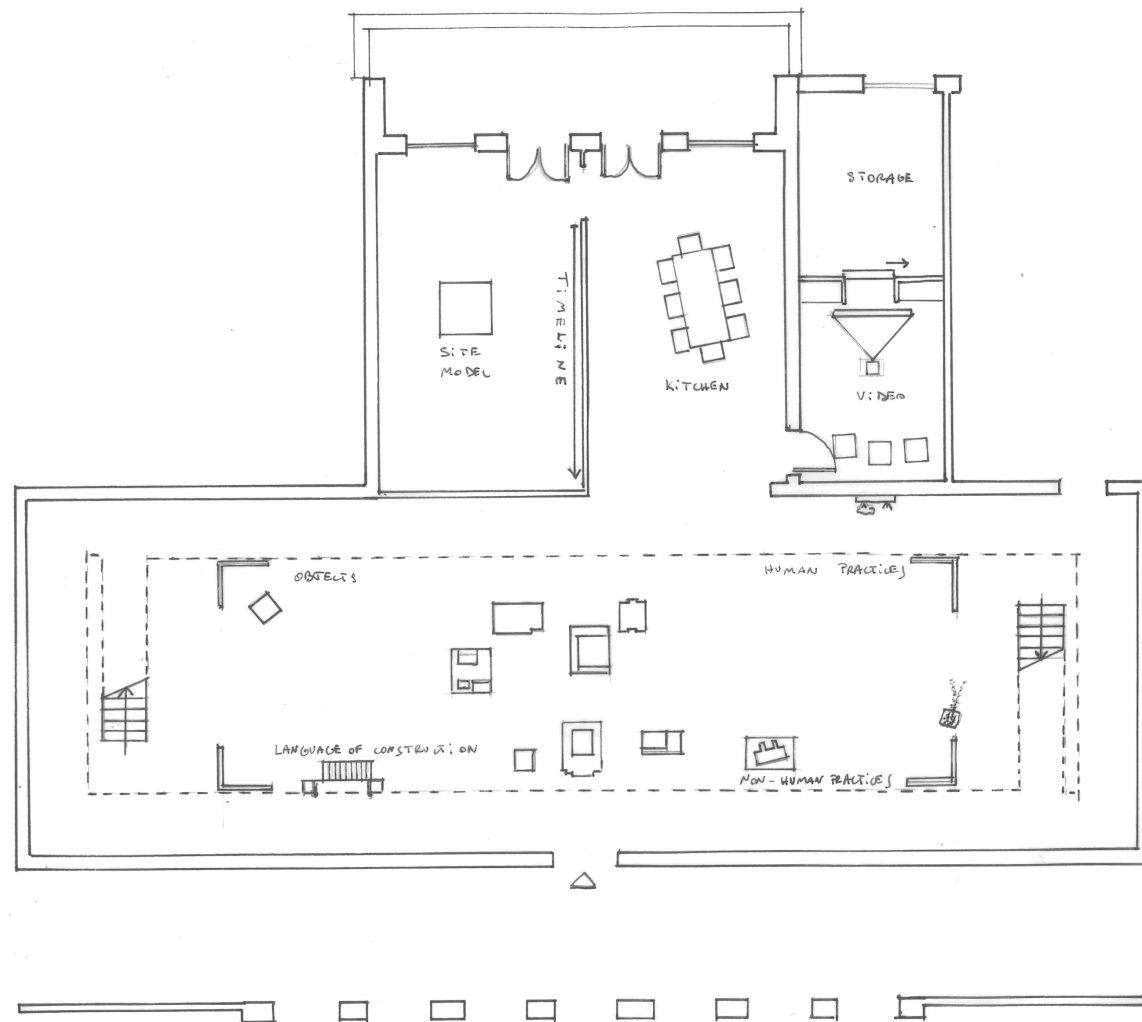
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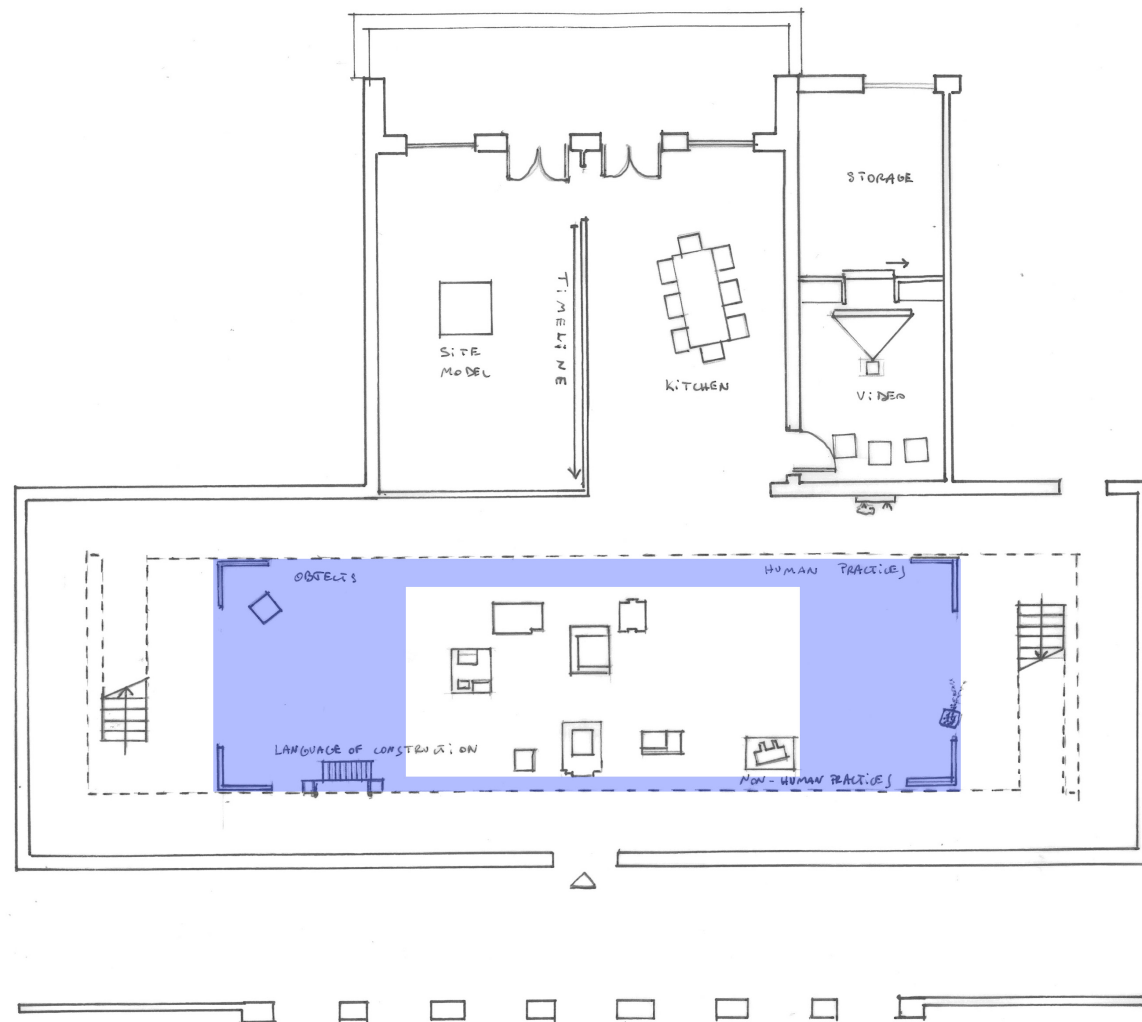
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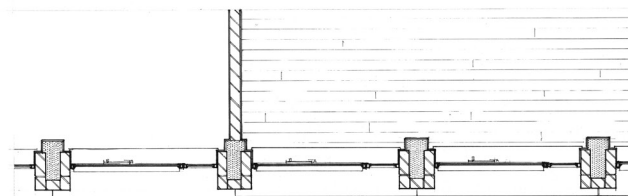
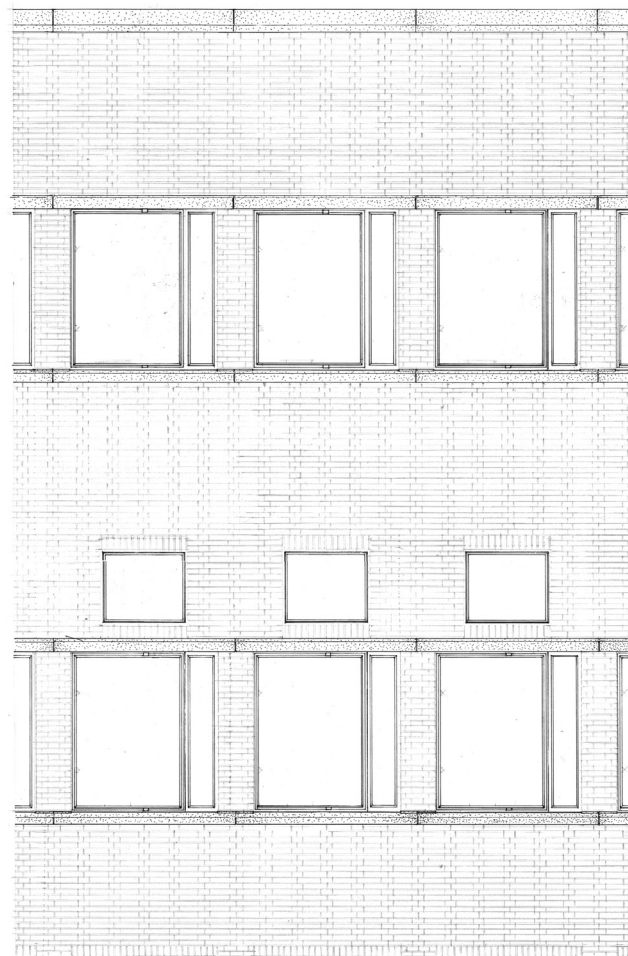
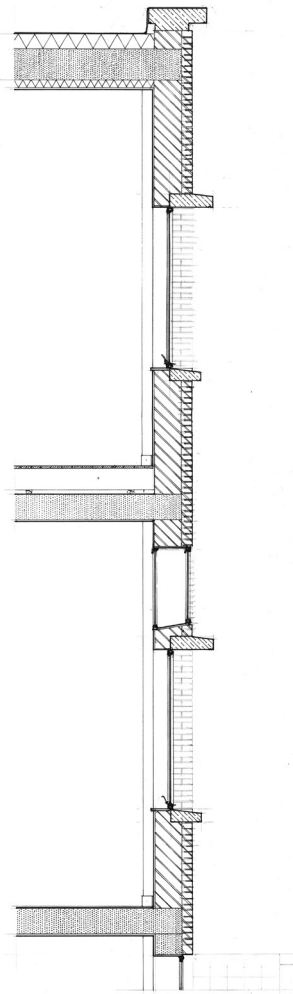
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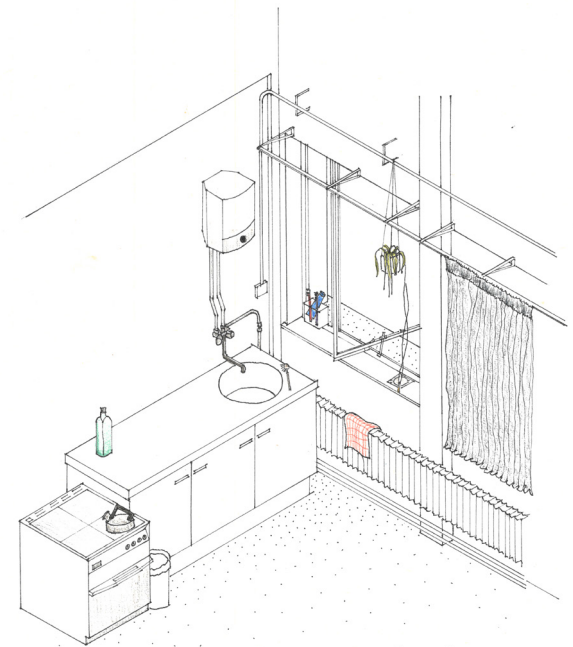
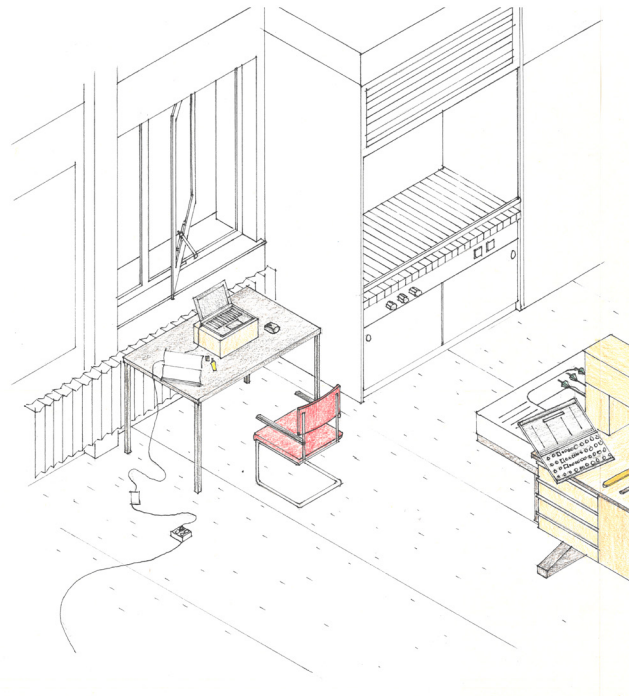
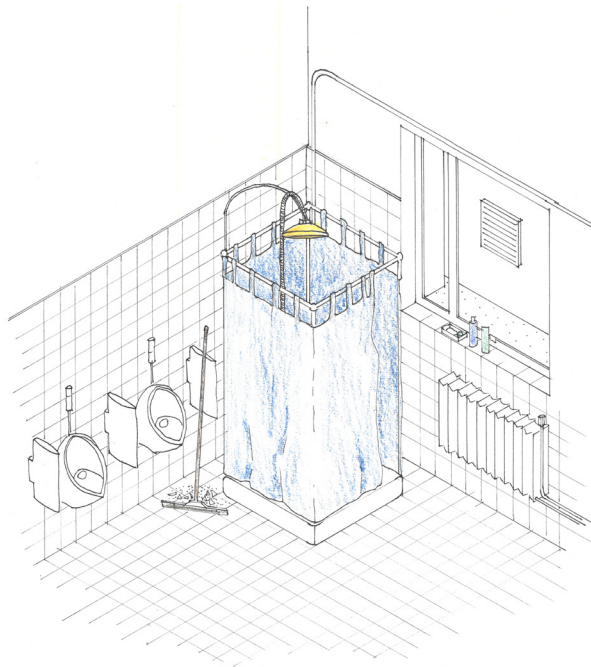


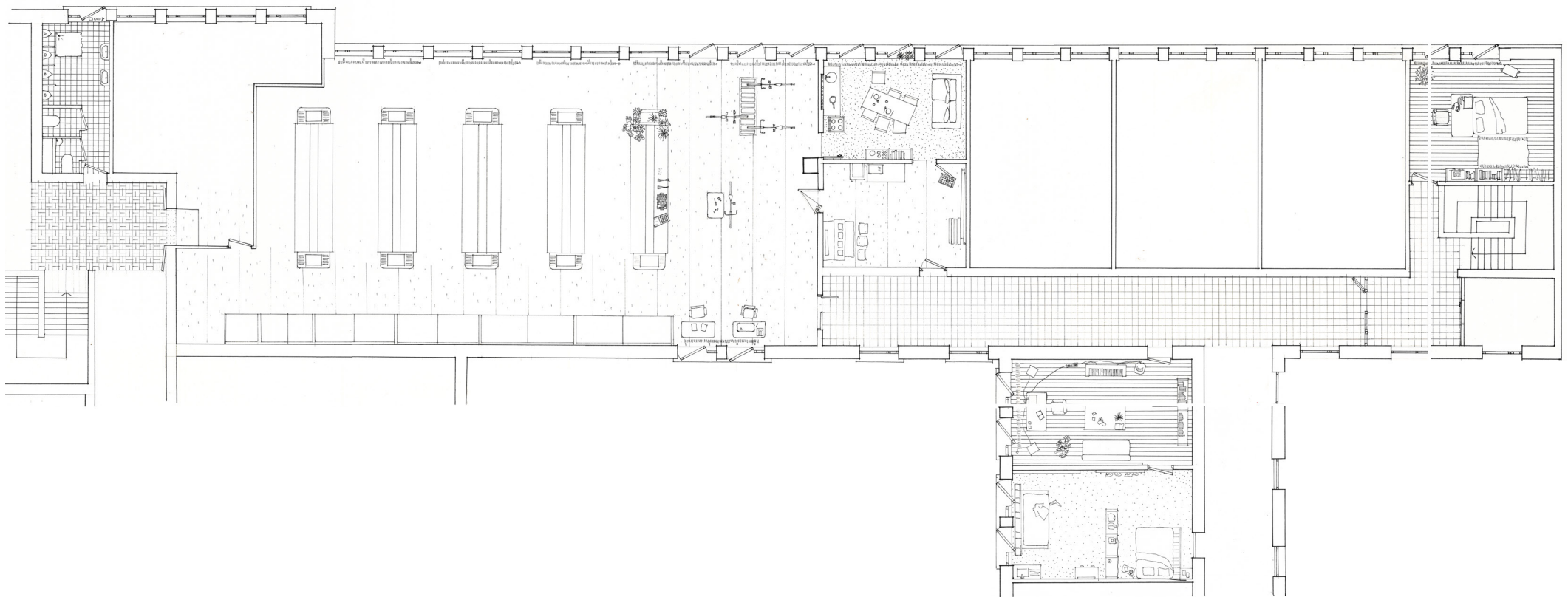




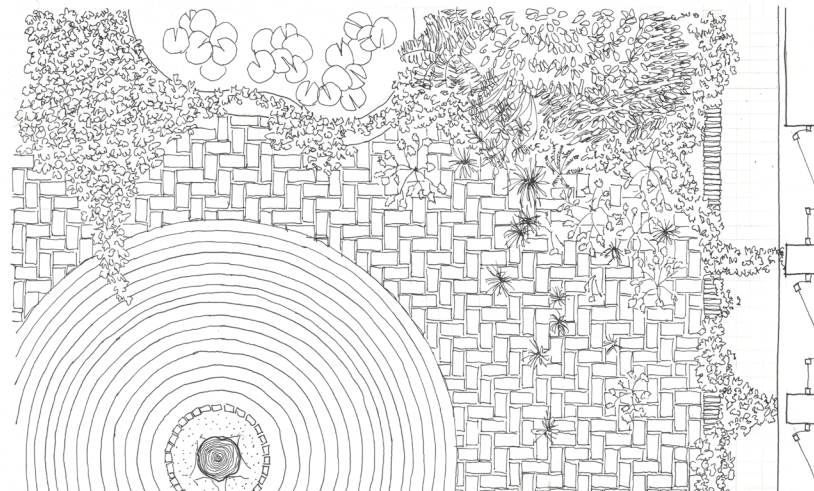
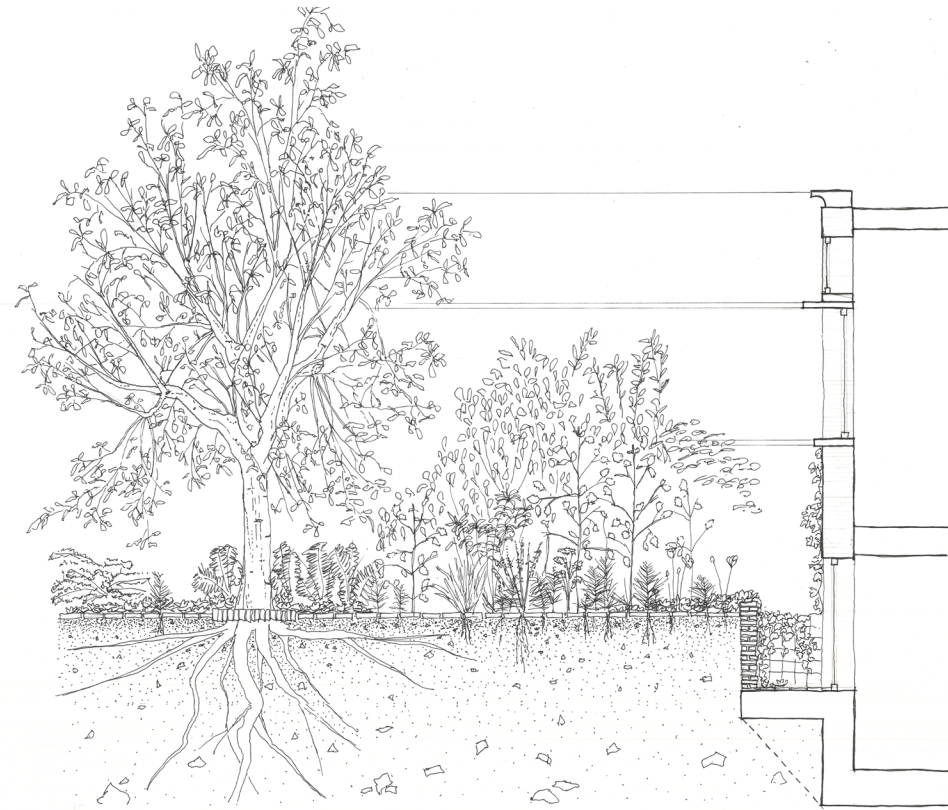


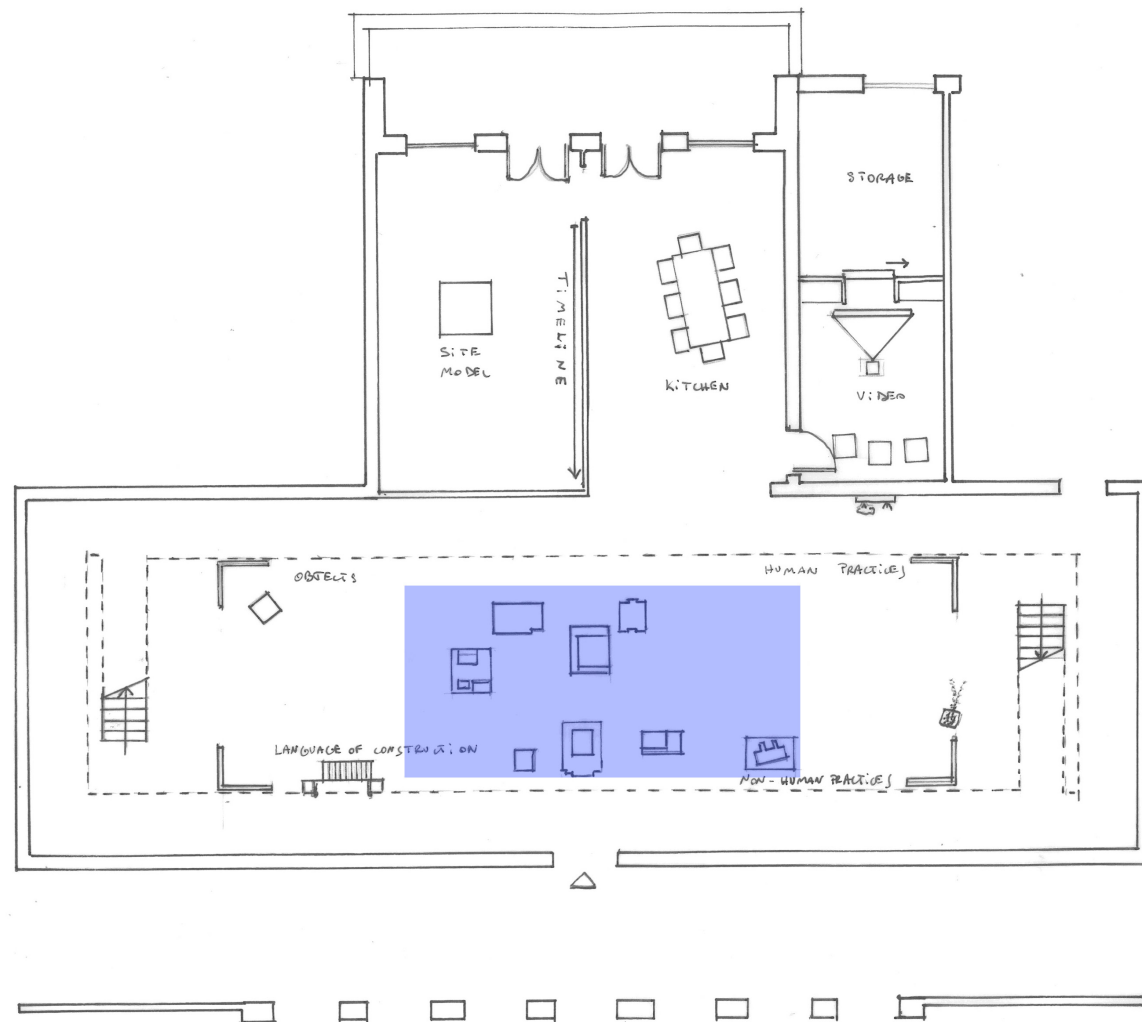








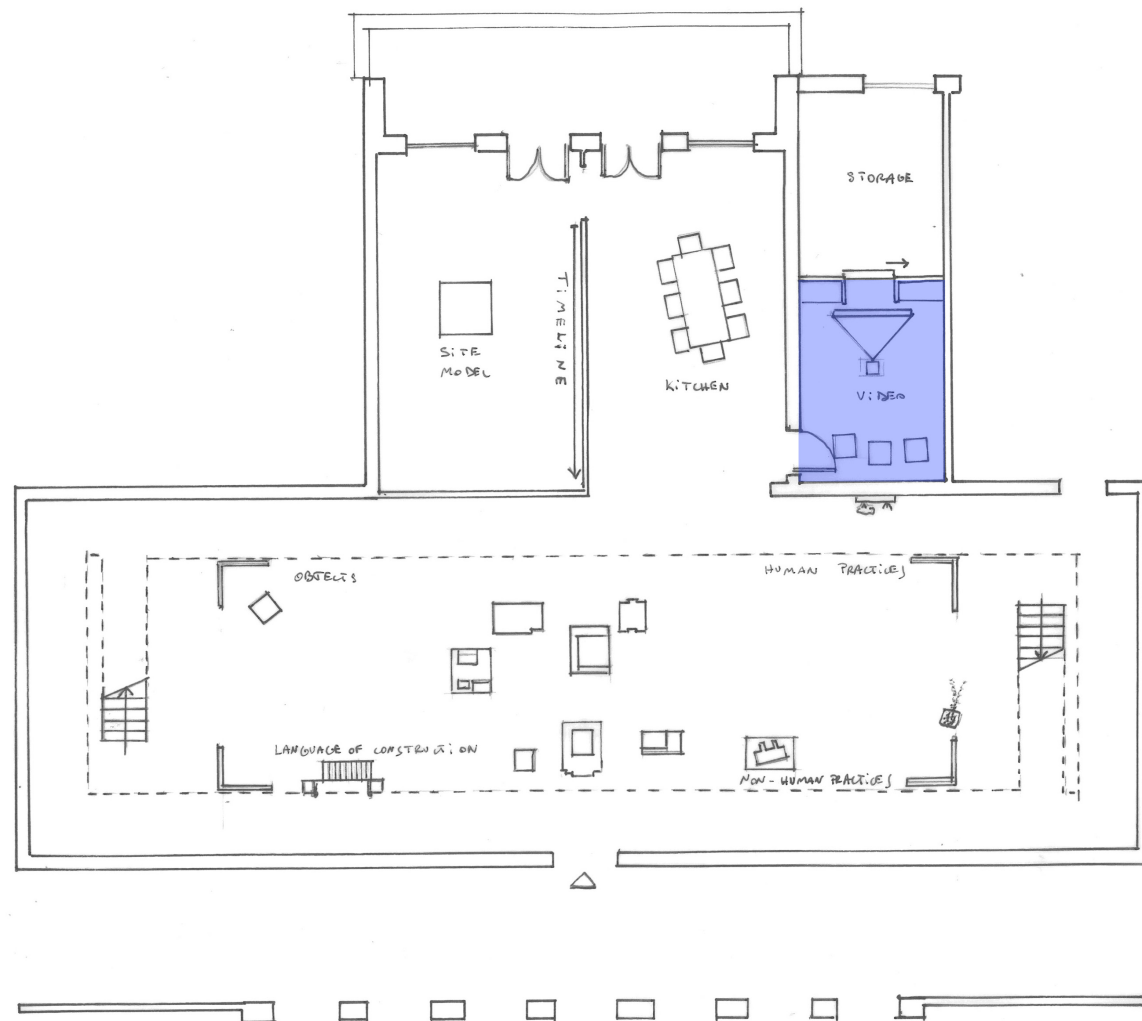


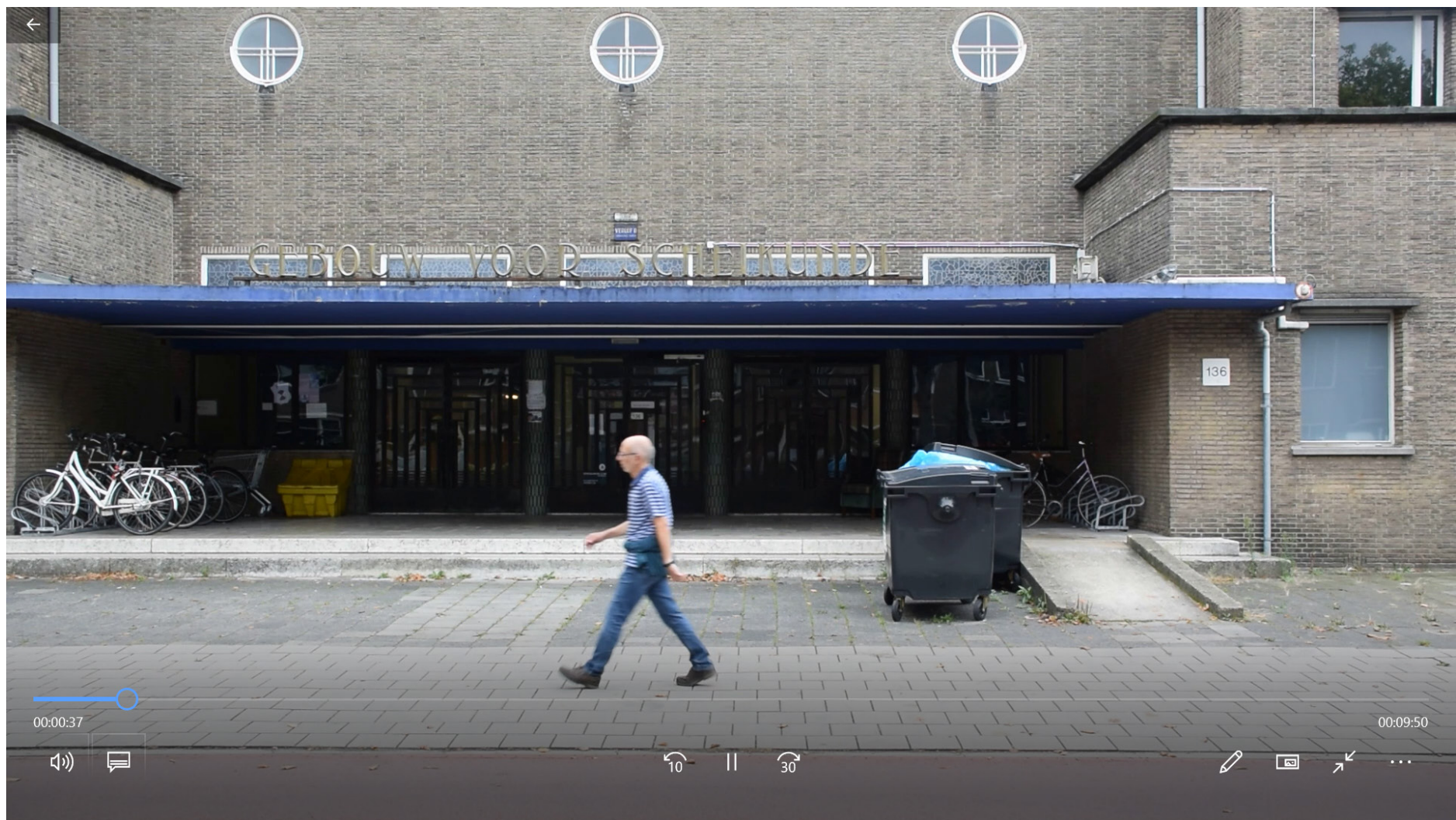


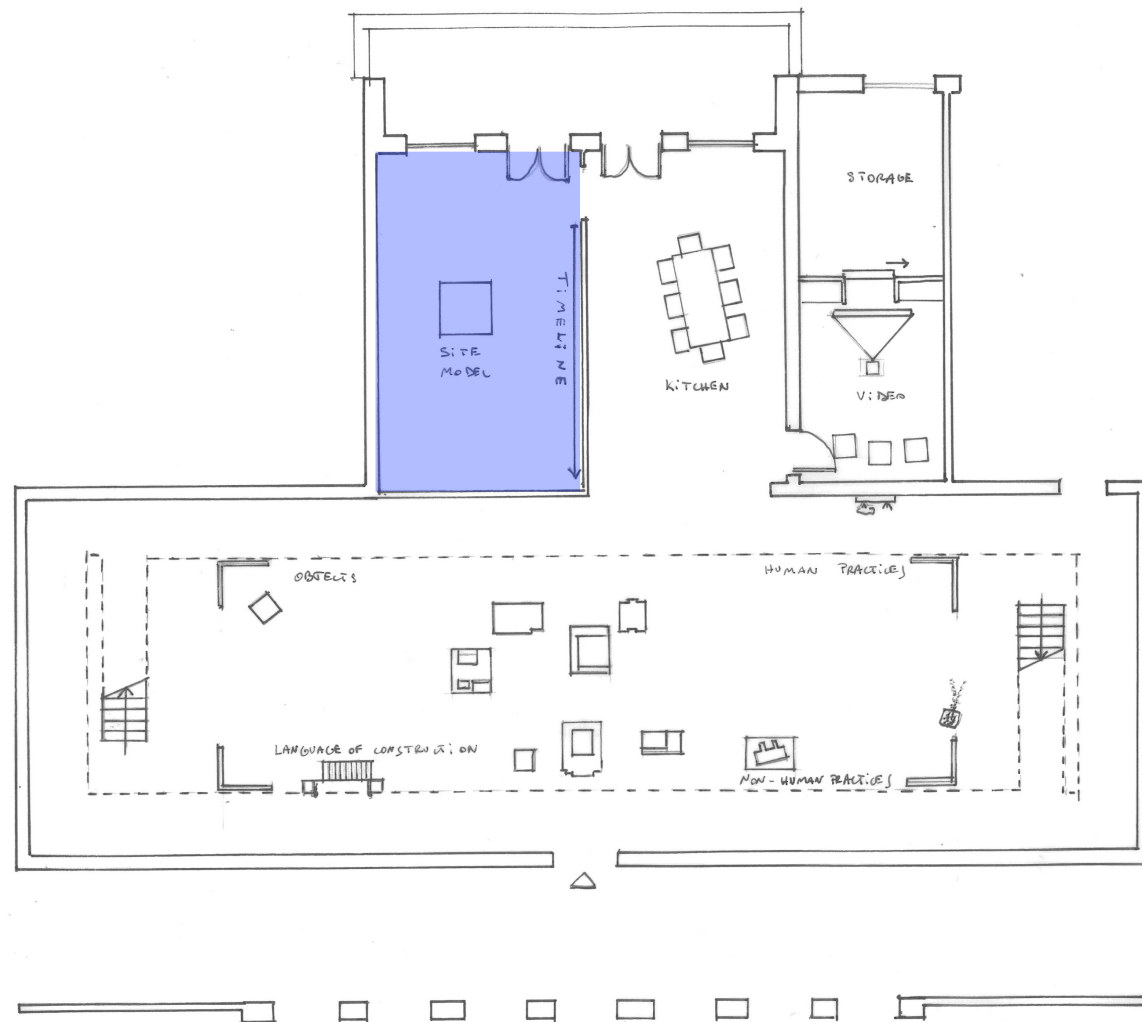


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Site model and Timeline



Site Model and Timeline

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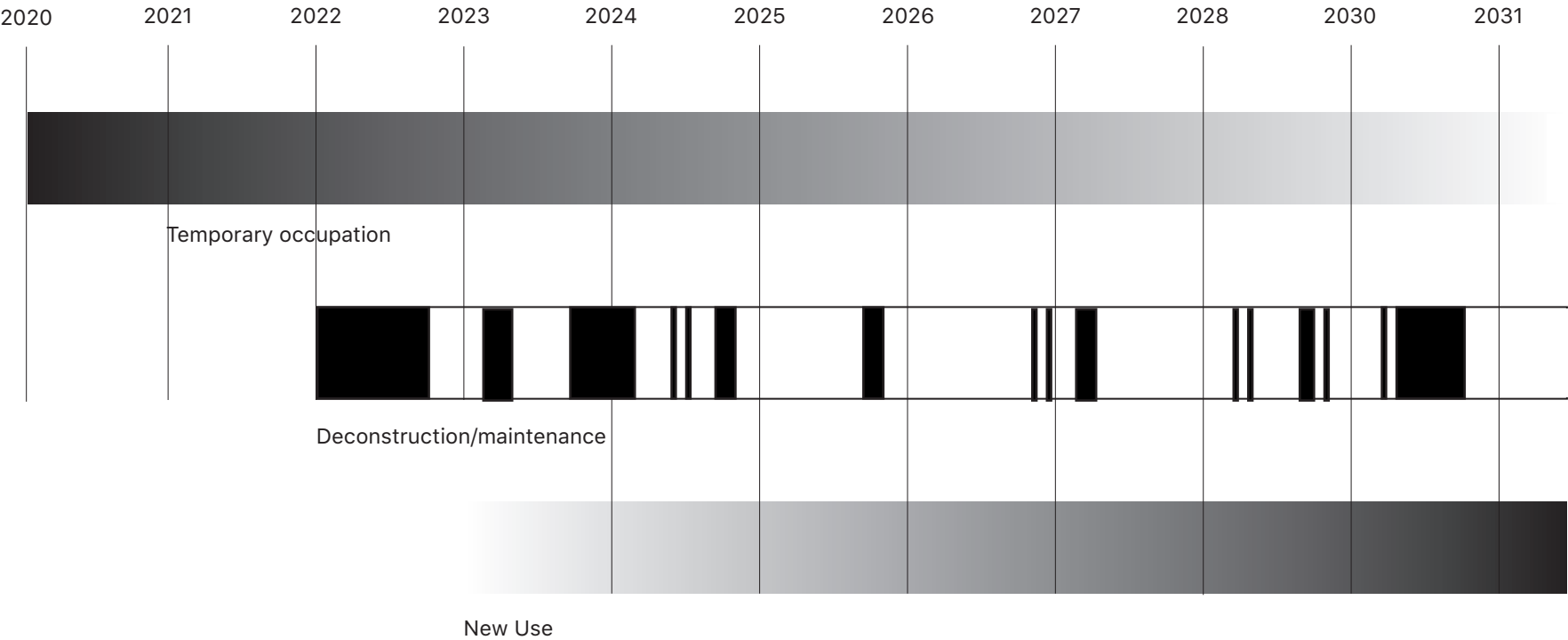


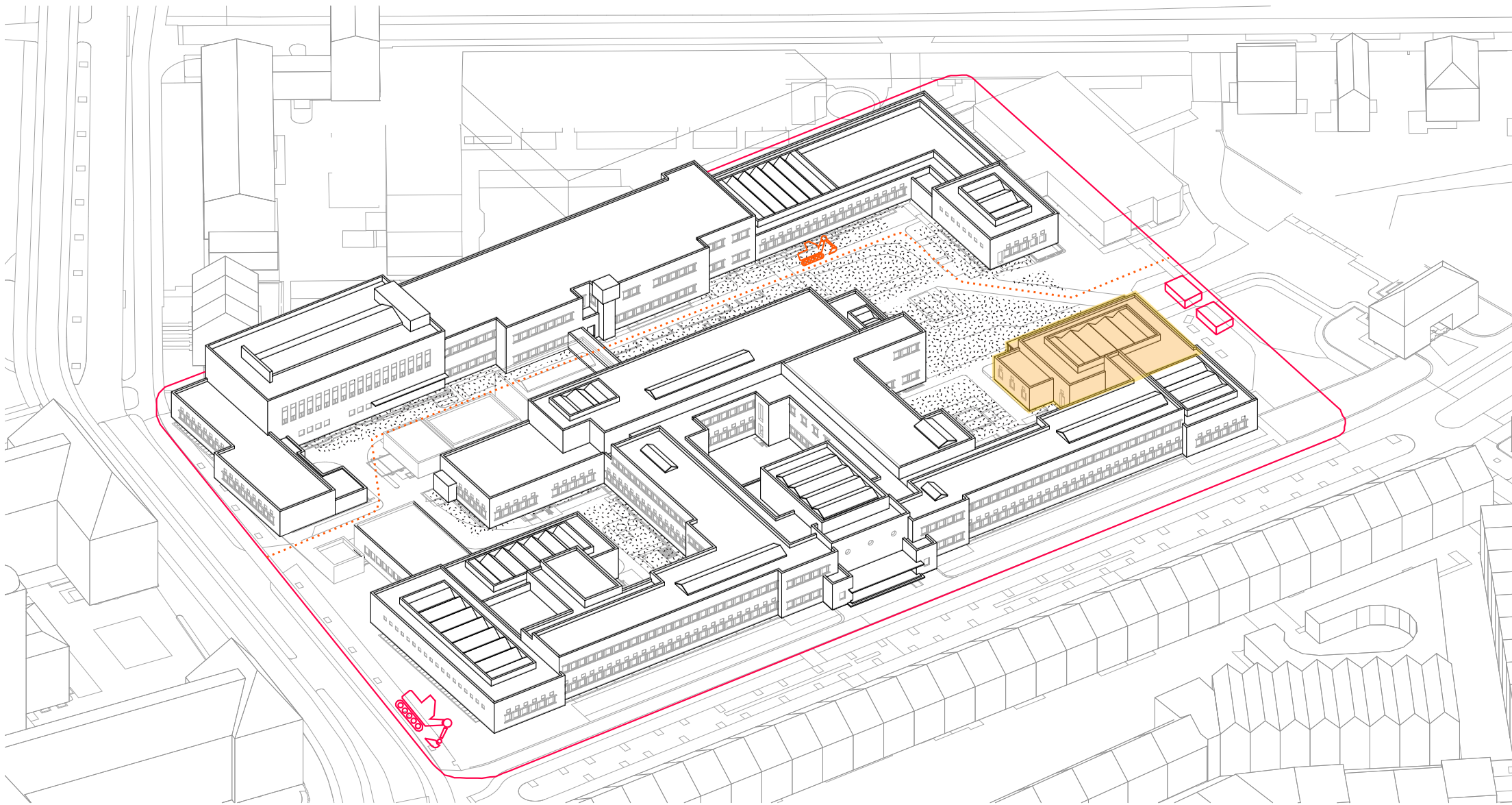
Movement of materials

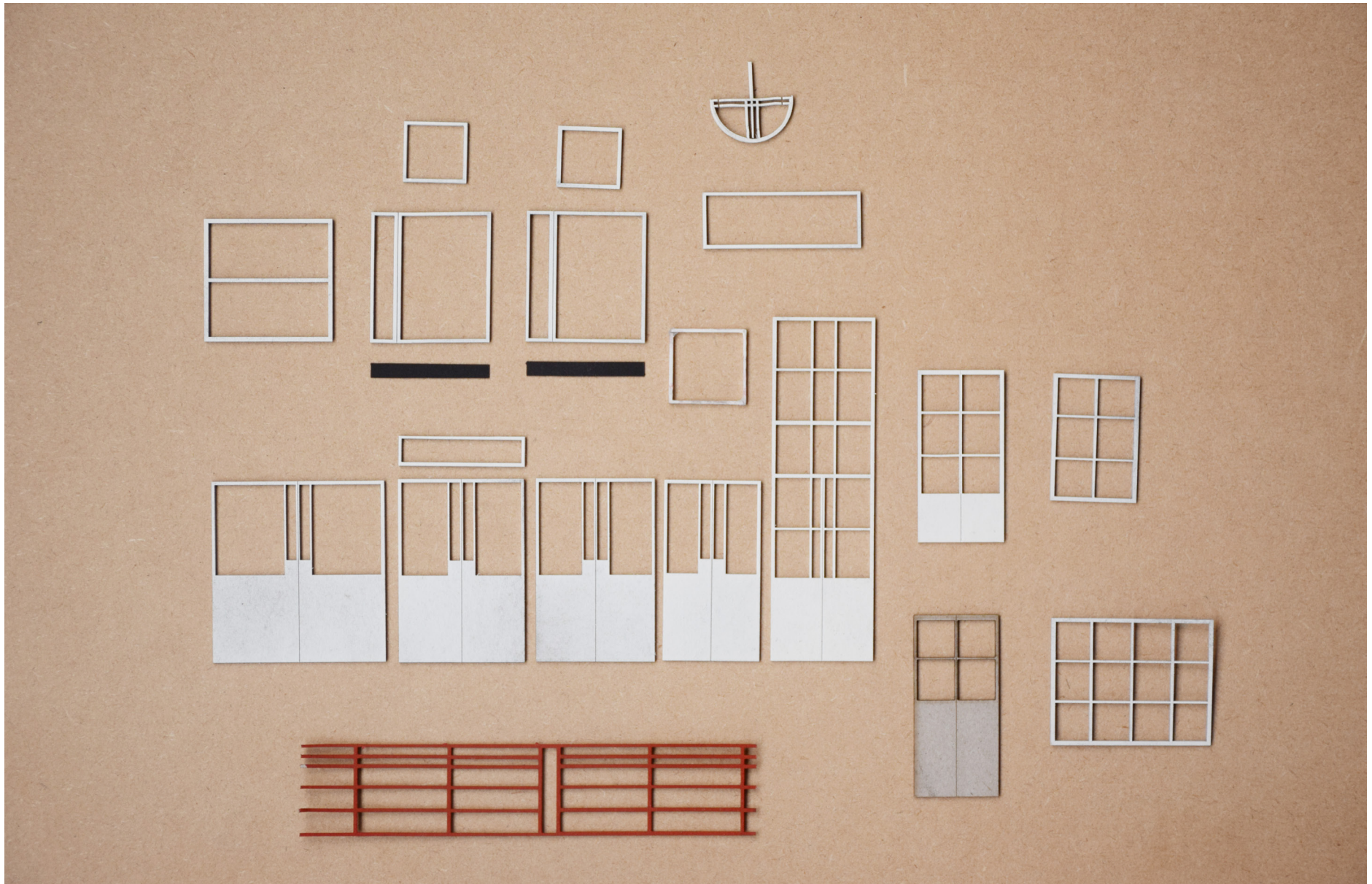


Developer

Finished state







Storage of reused components



Rotor
Storage and cleaning



Rotor
Redistribution

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Former chemistry faculty 1864

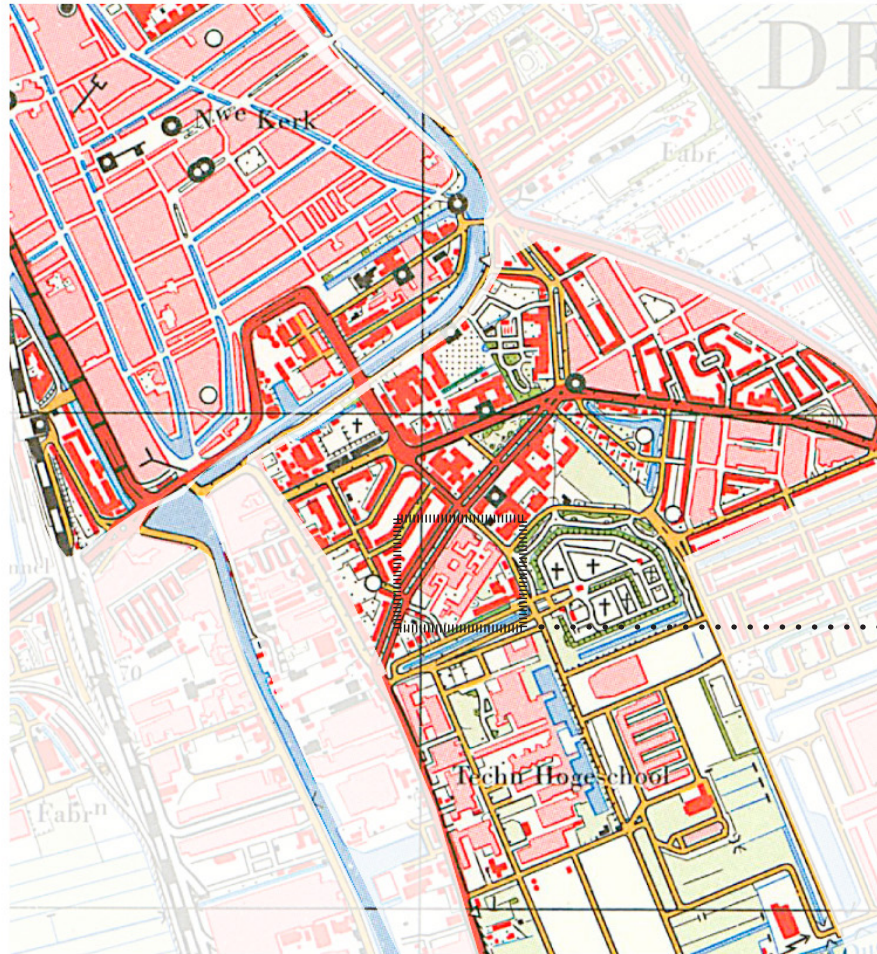


The Wippolder

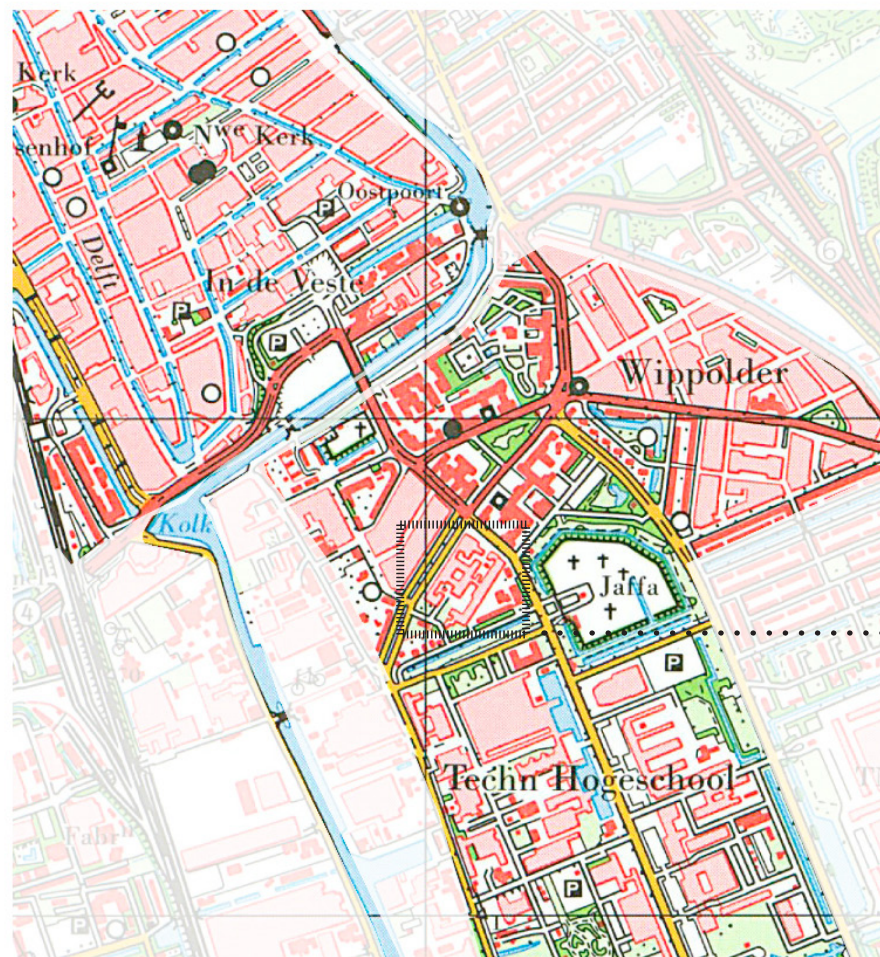
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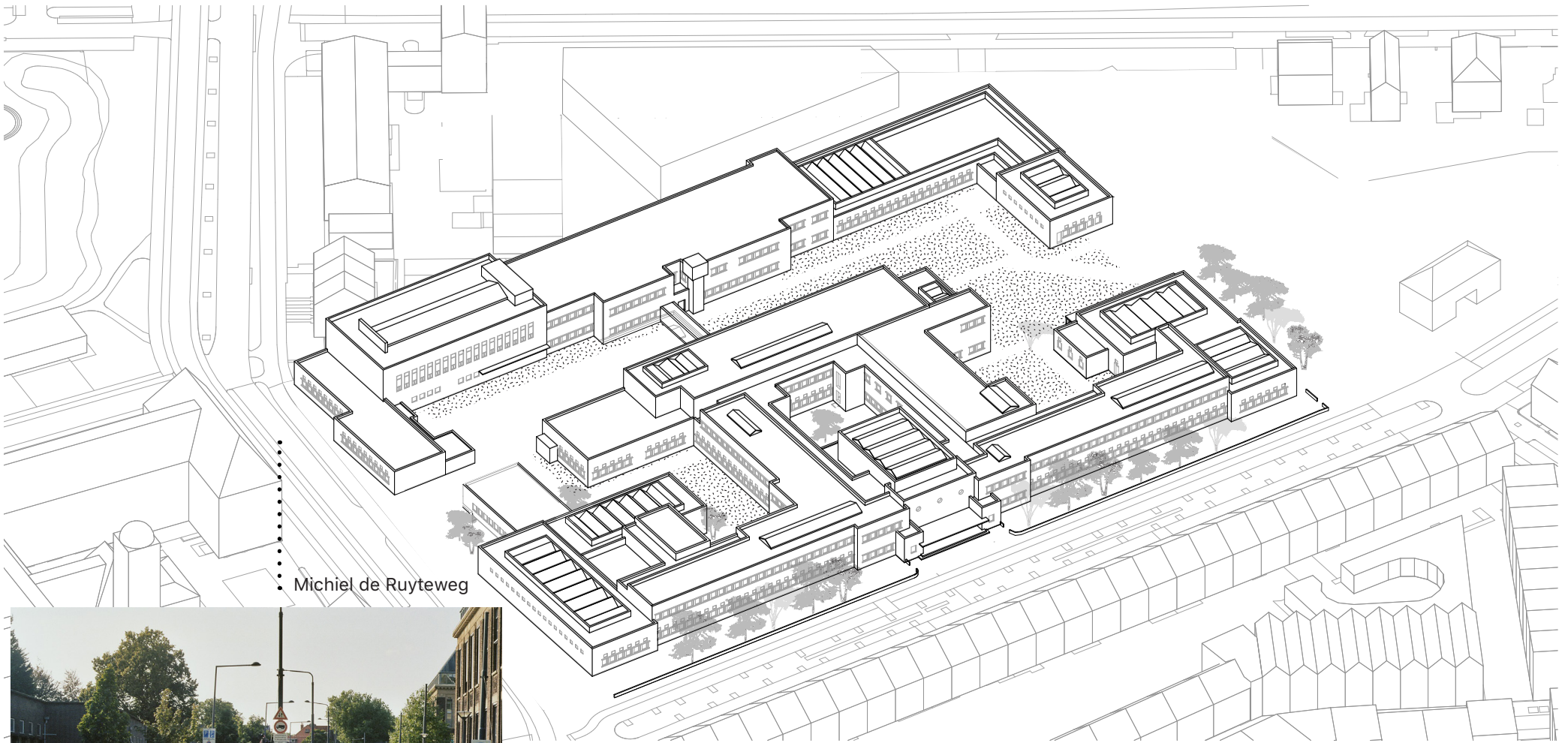


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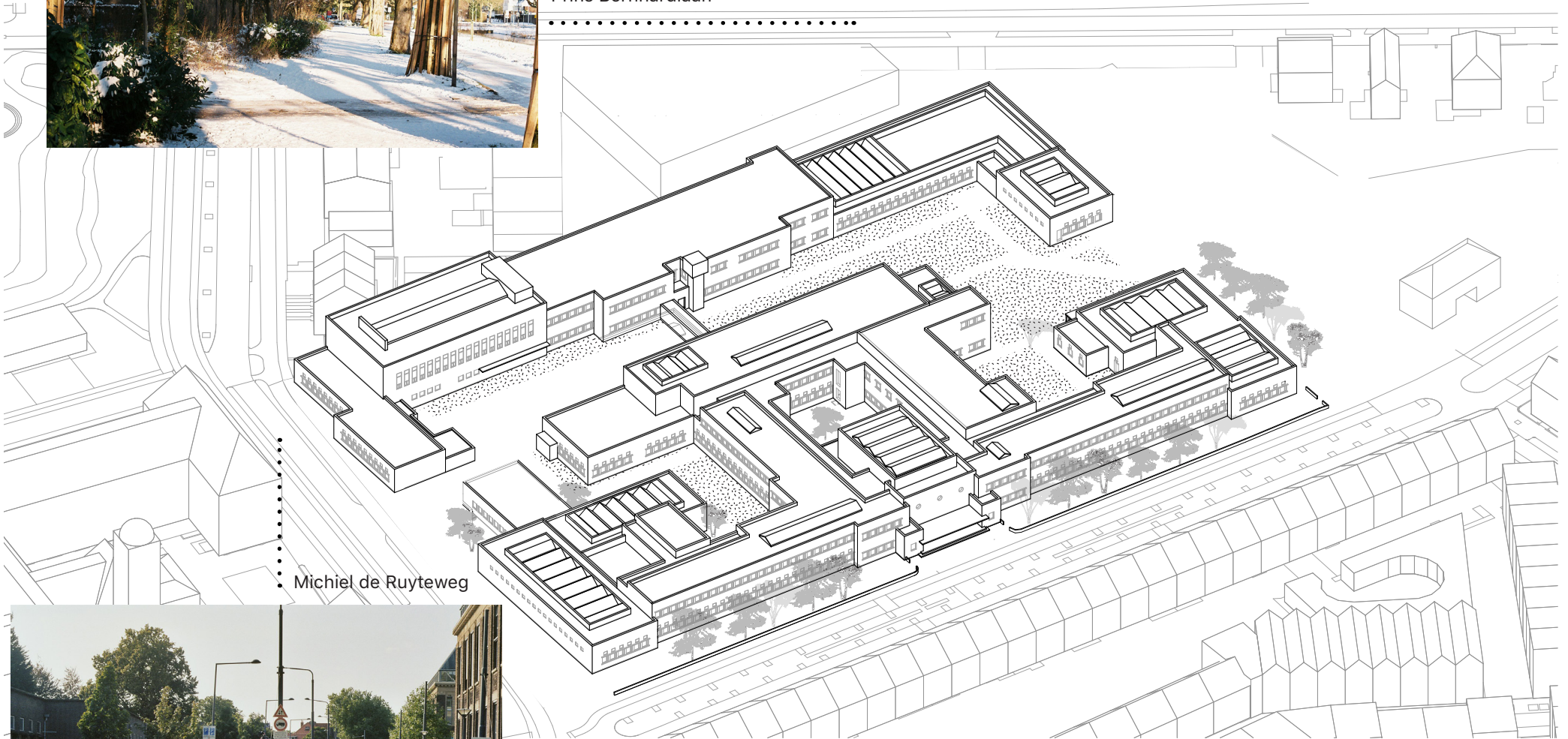
Gele Scheikunde







Prins Bernhardlaan

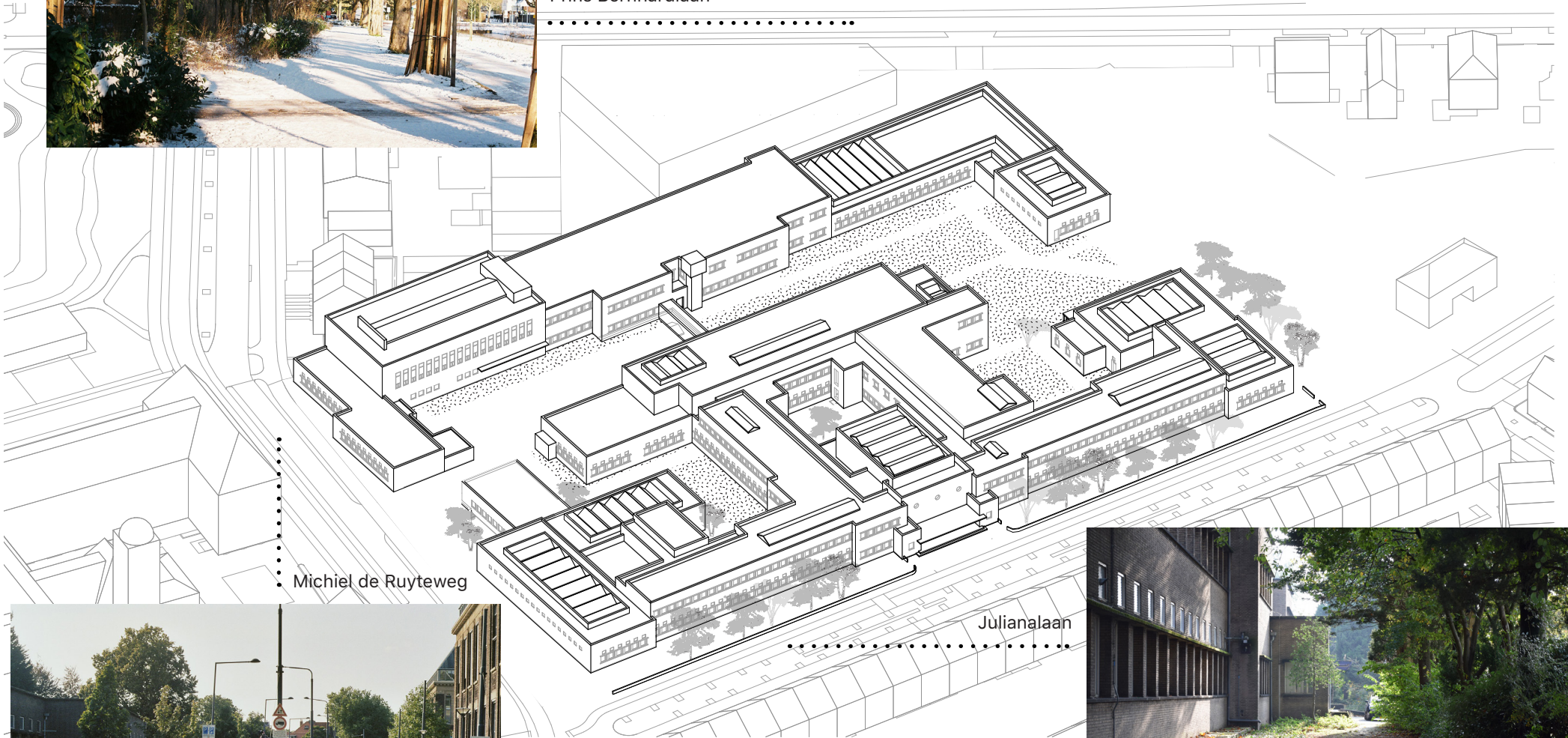


Michiel de Ruyteweg





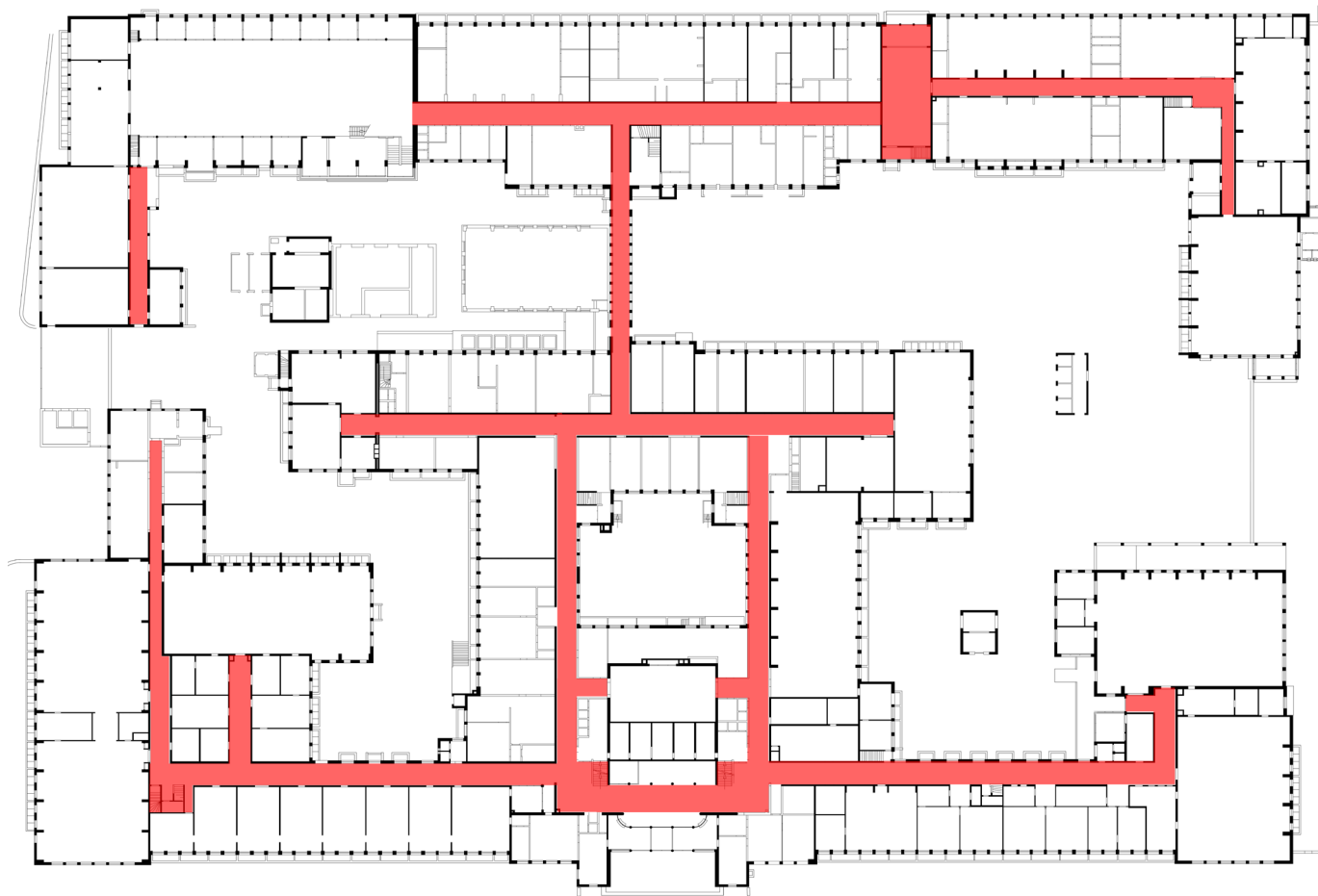
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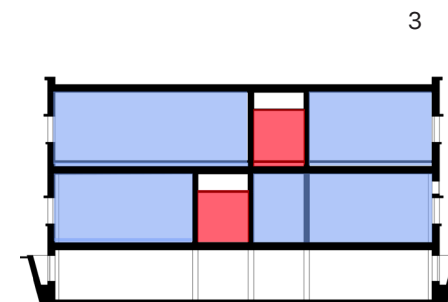
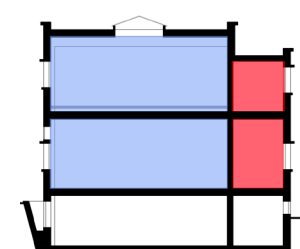
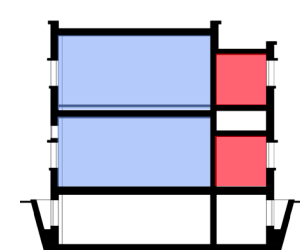
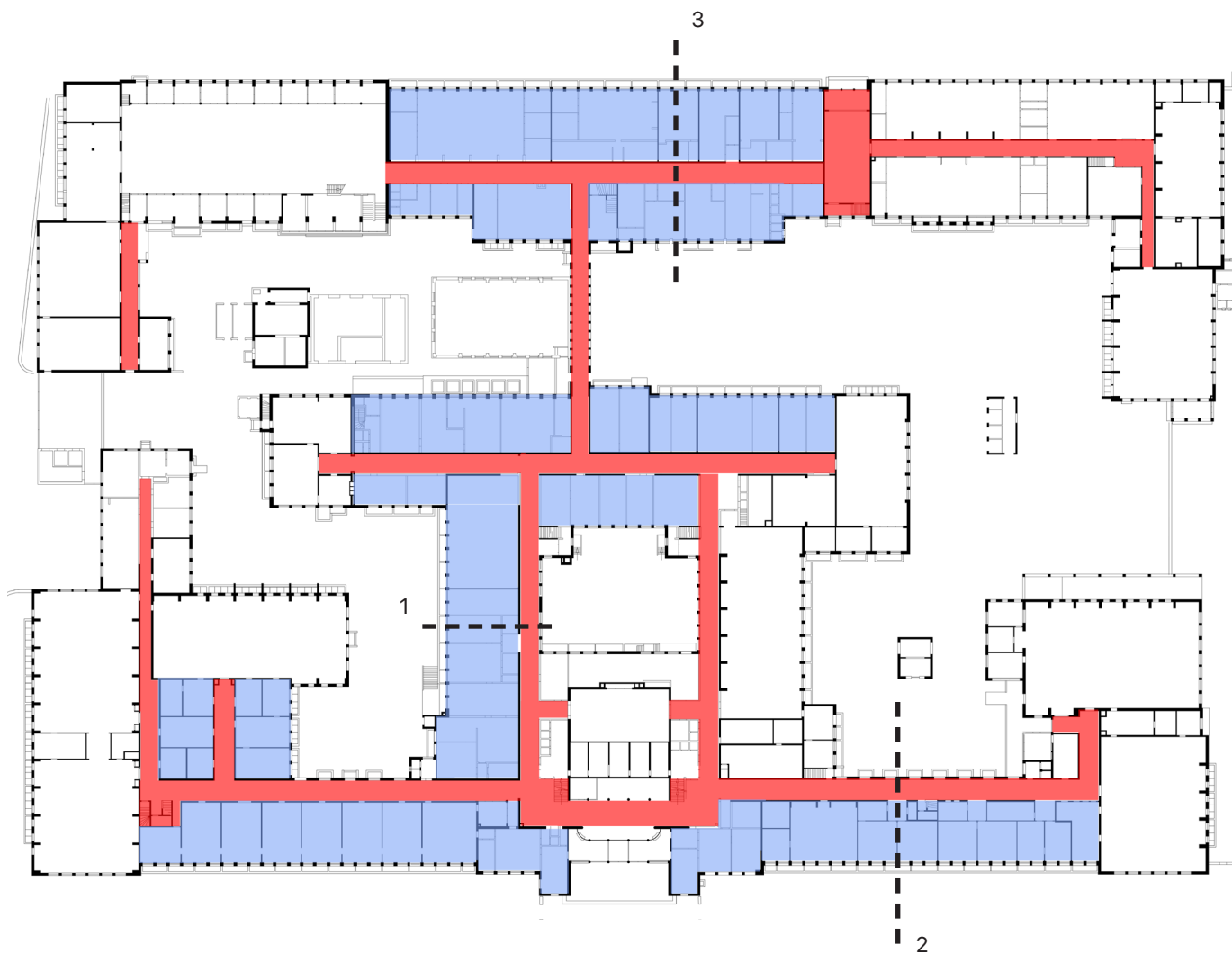


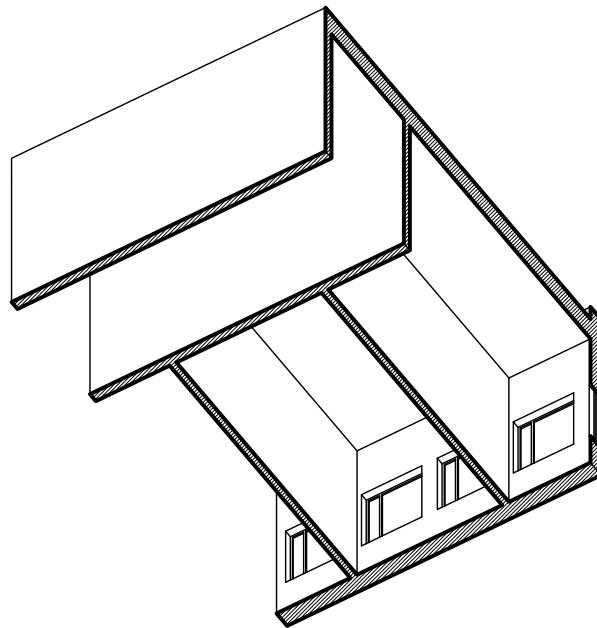
Michiel de Ruyteweg

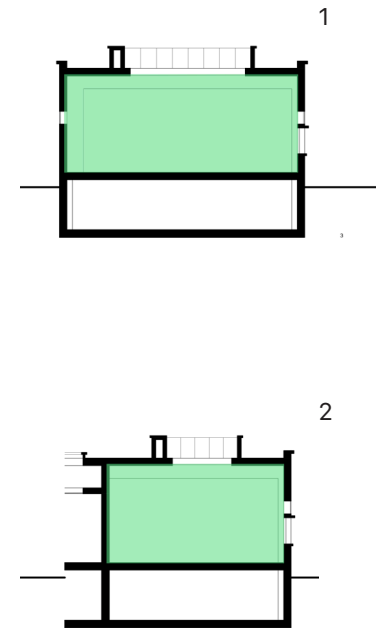
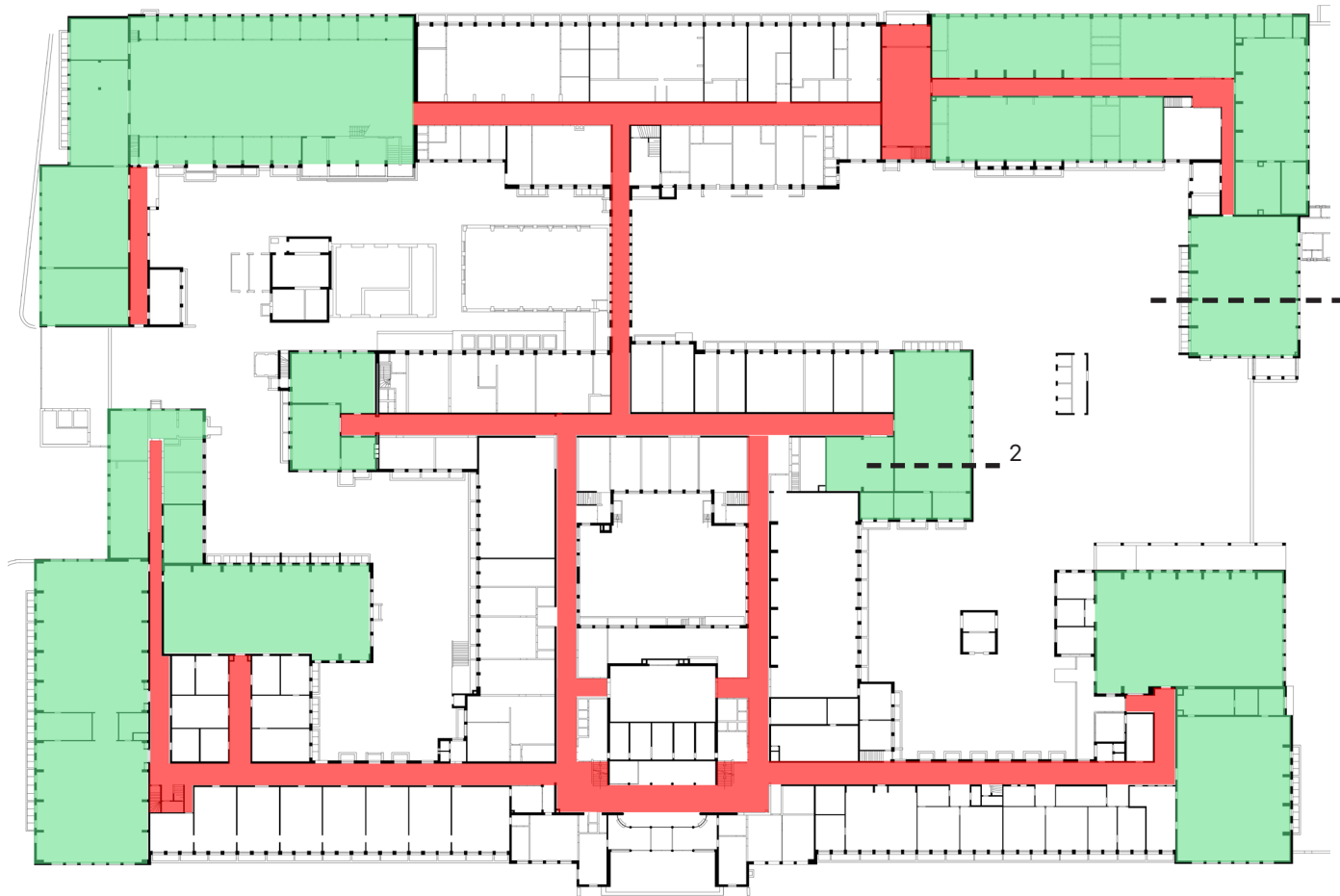
Julianalaan

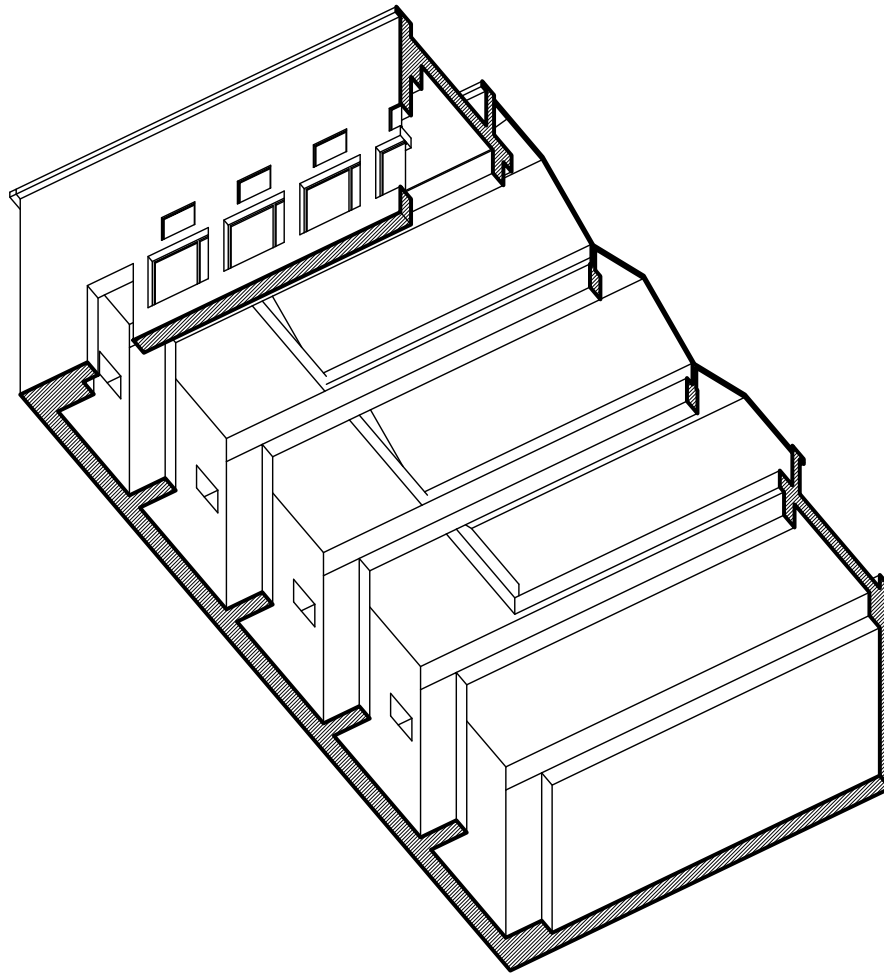


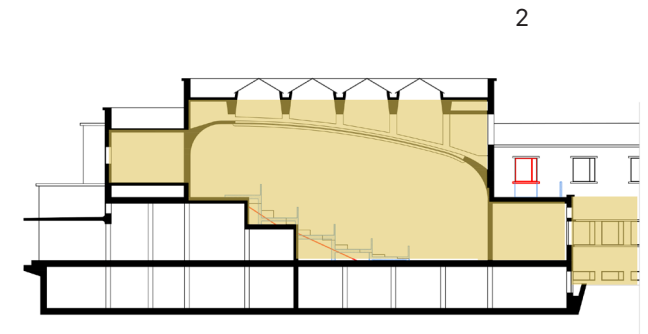
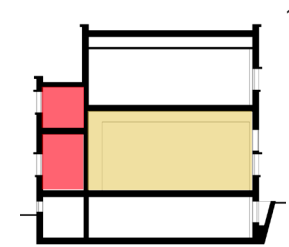
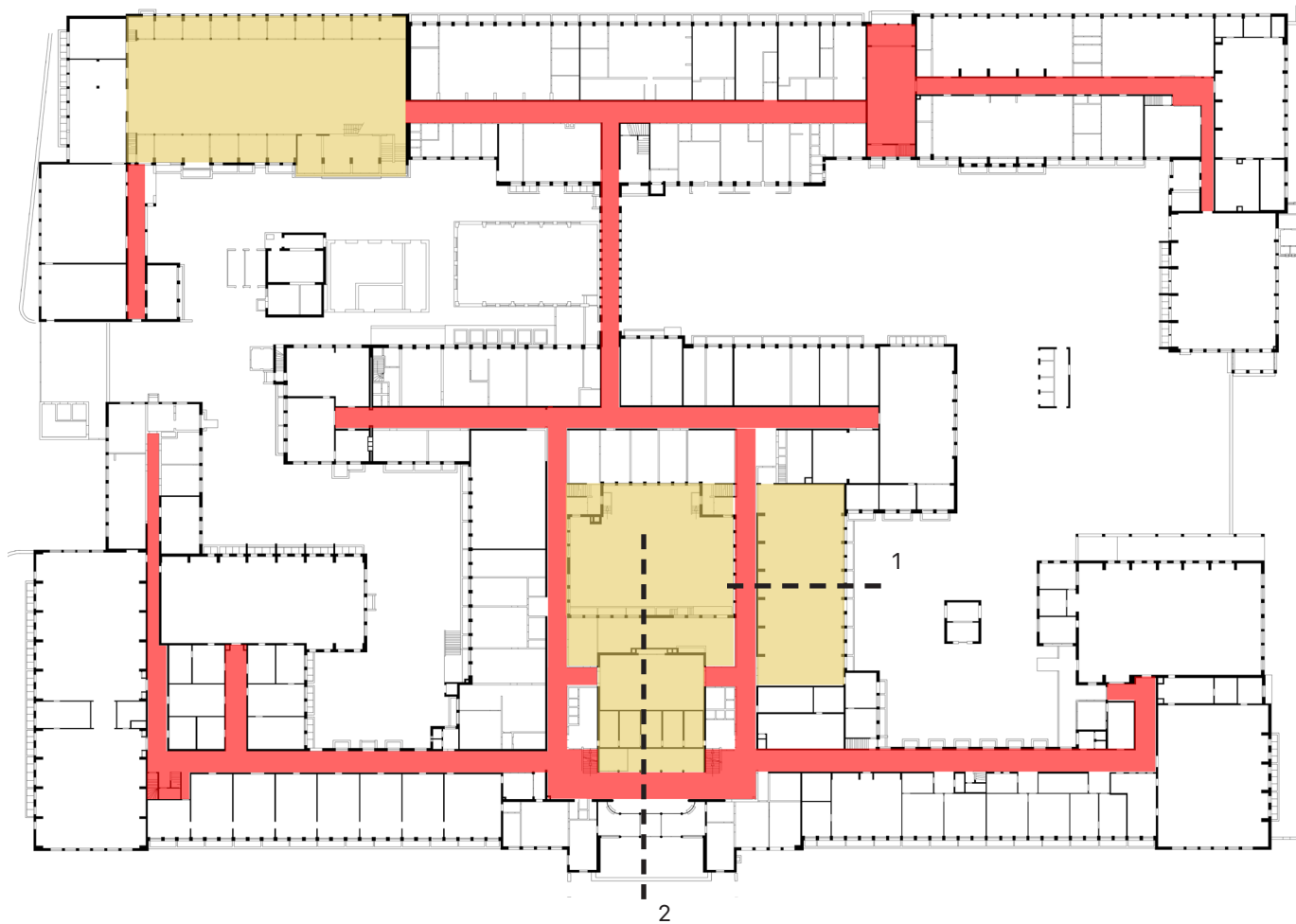


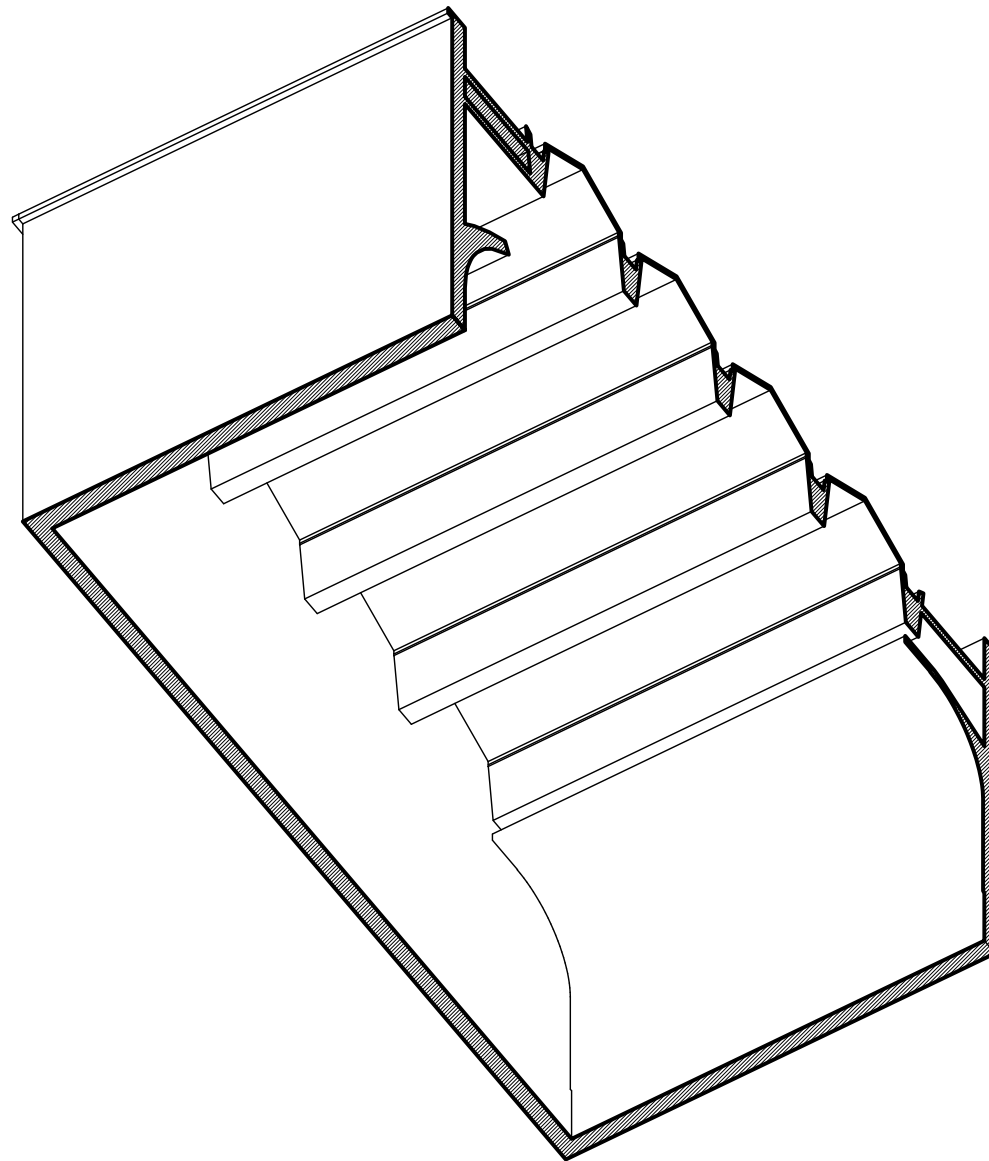


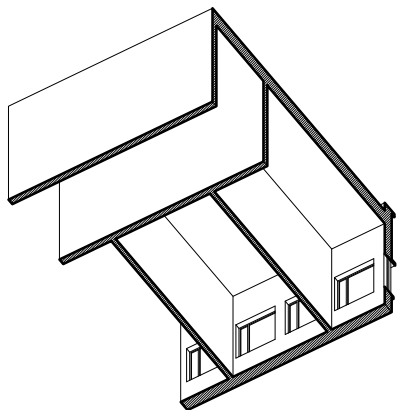




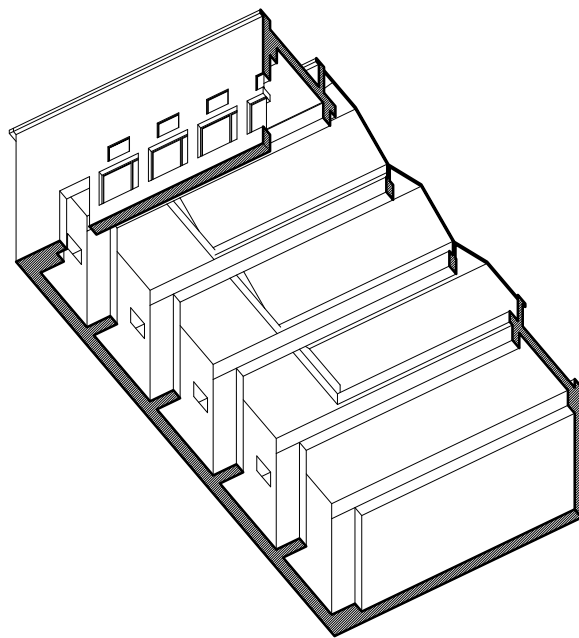




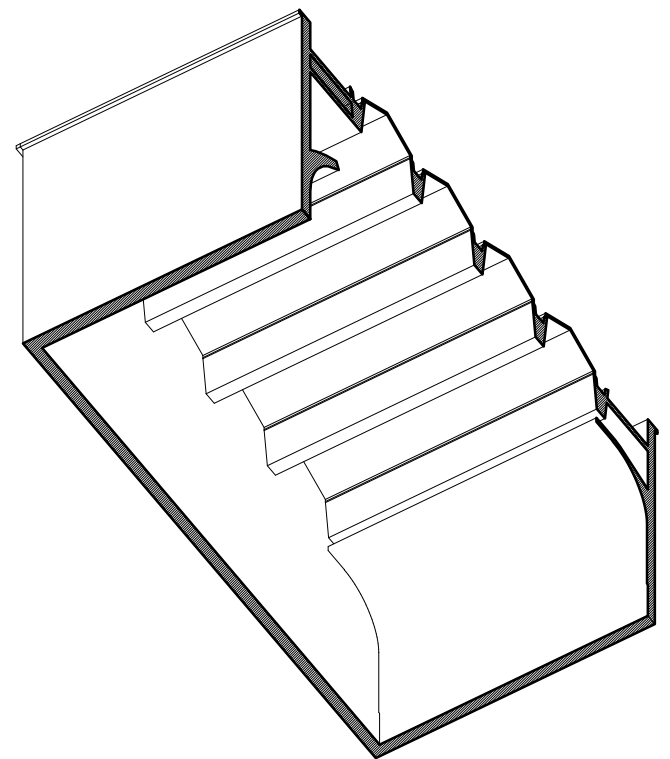




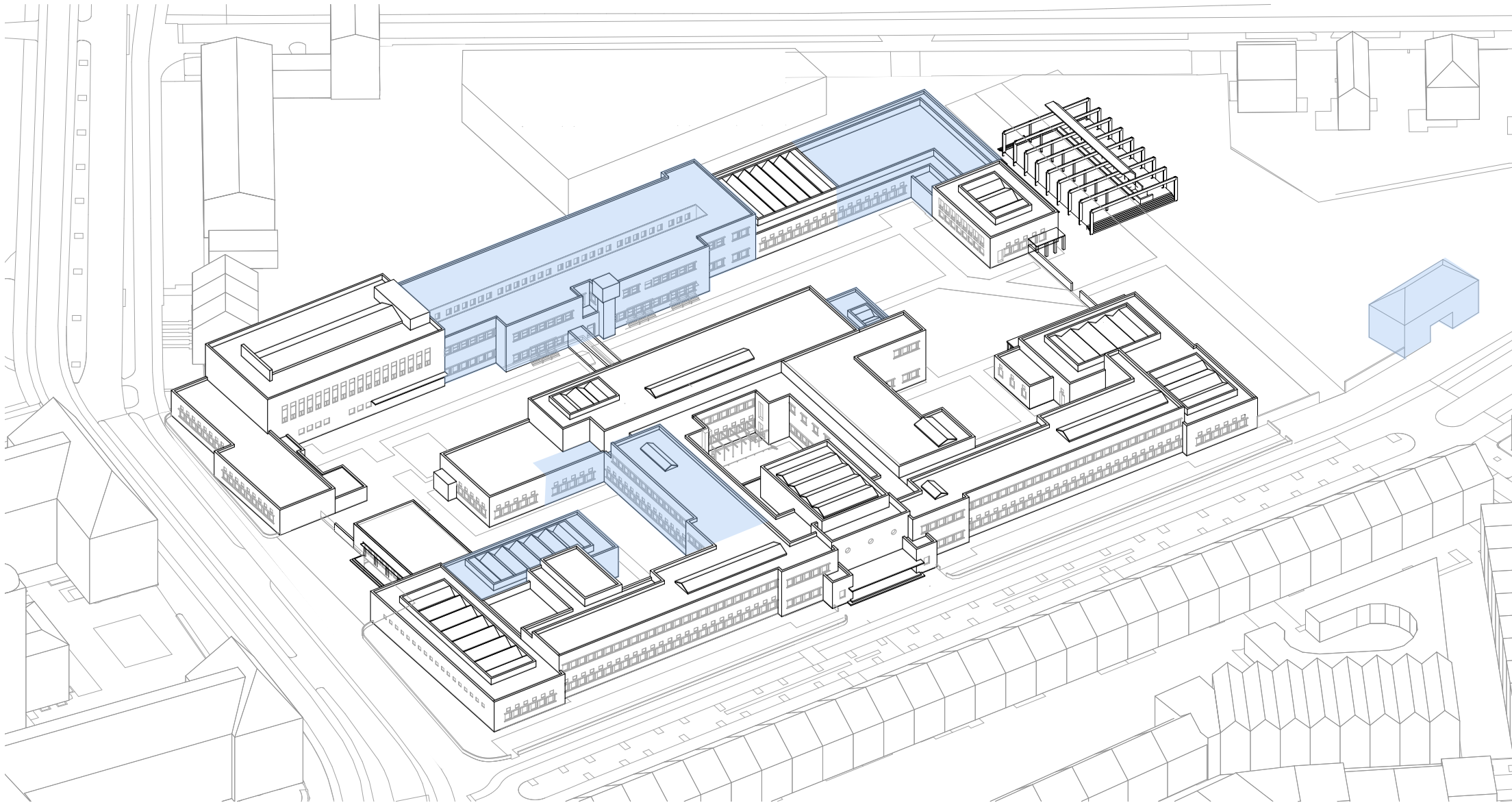
Private

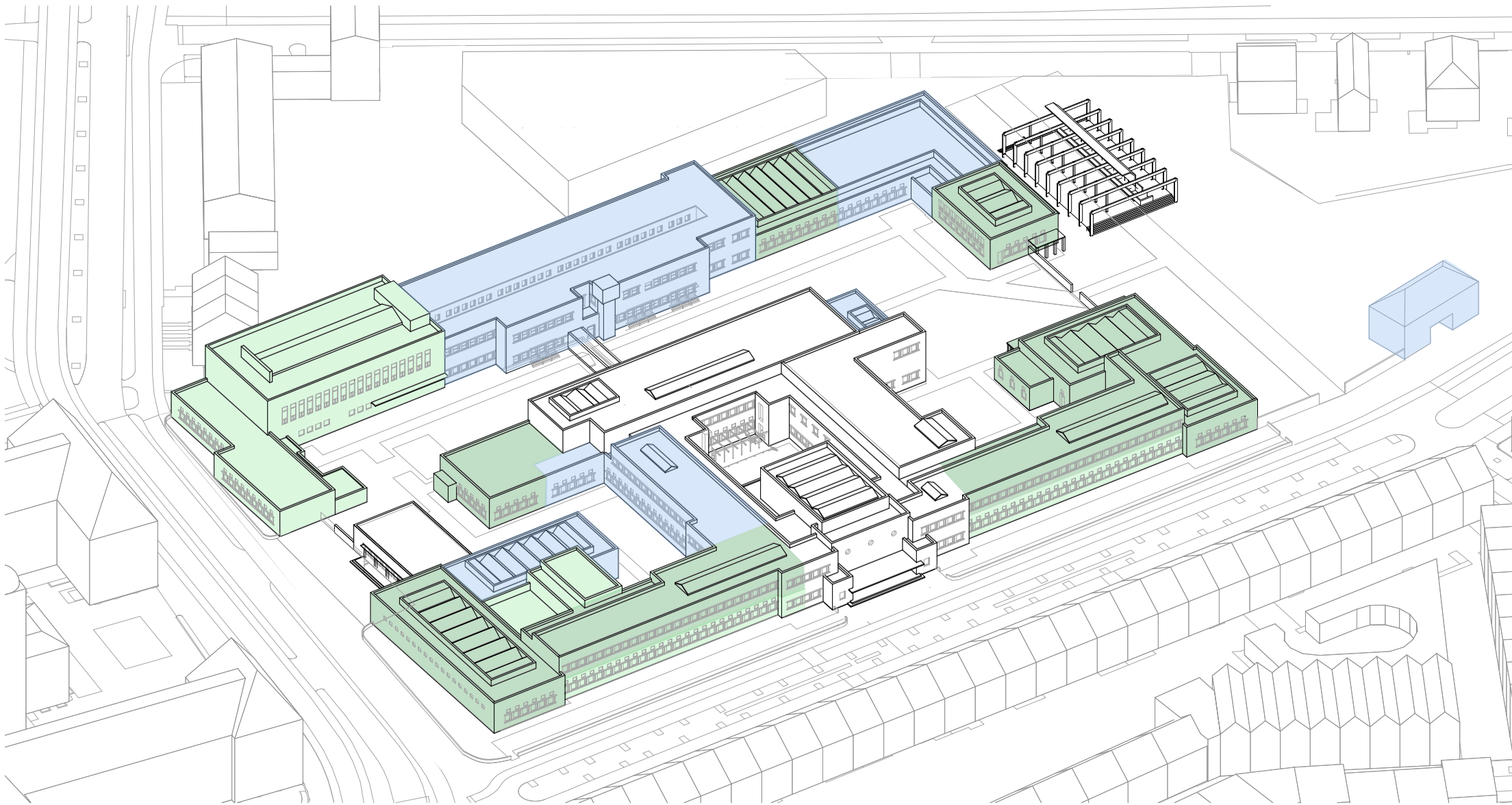


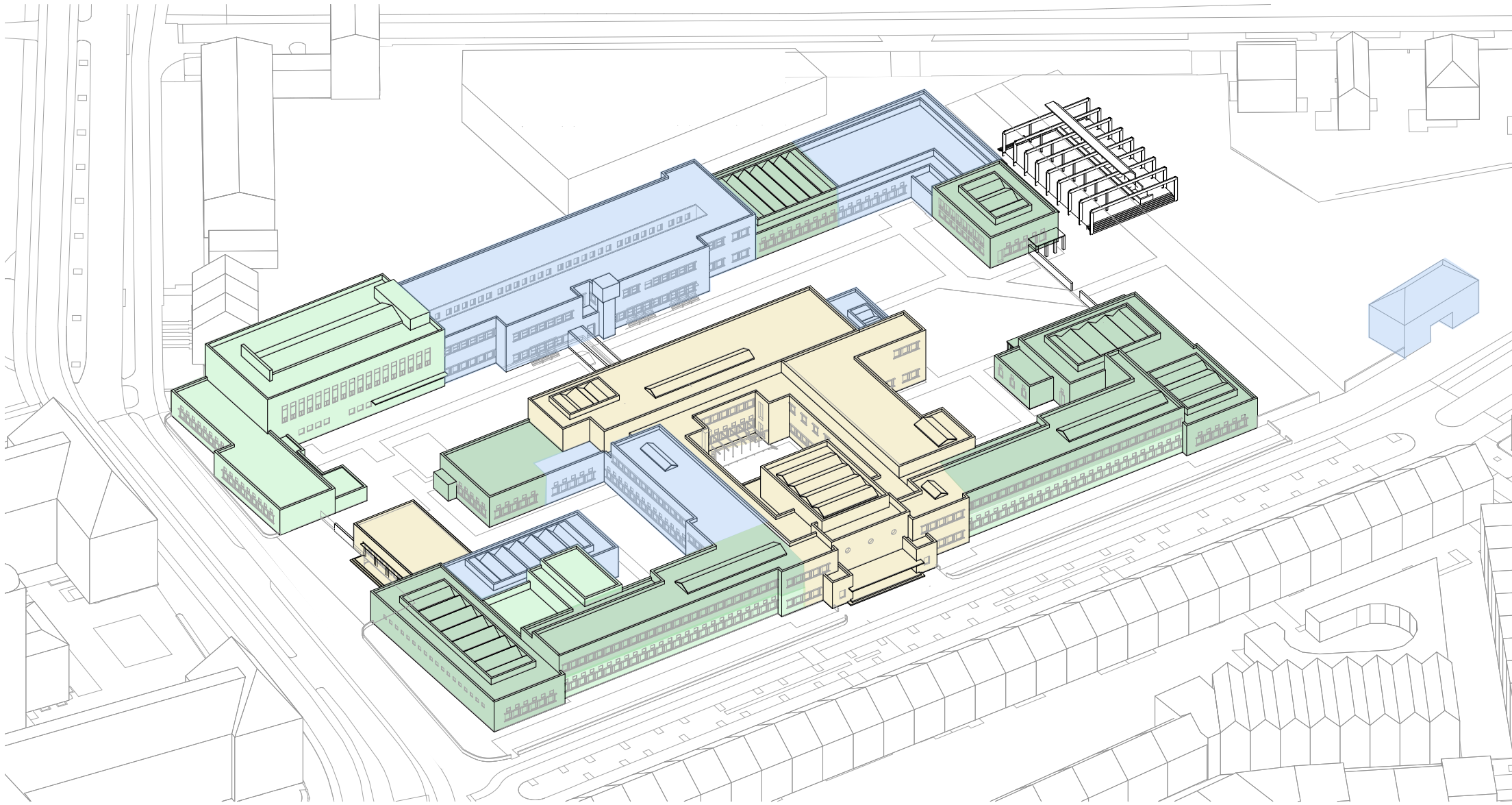
Collective

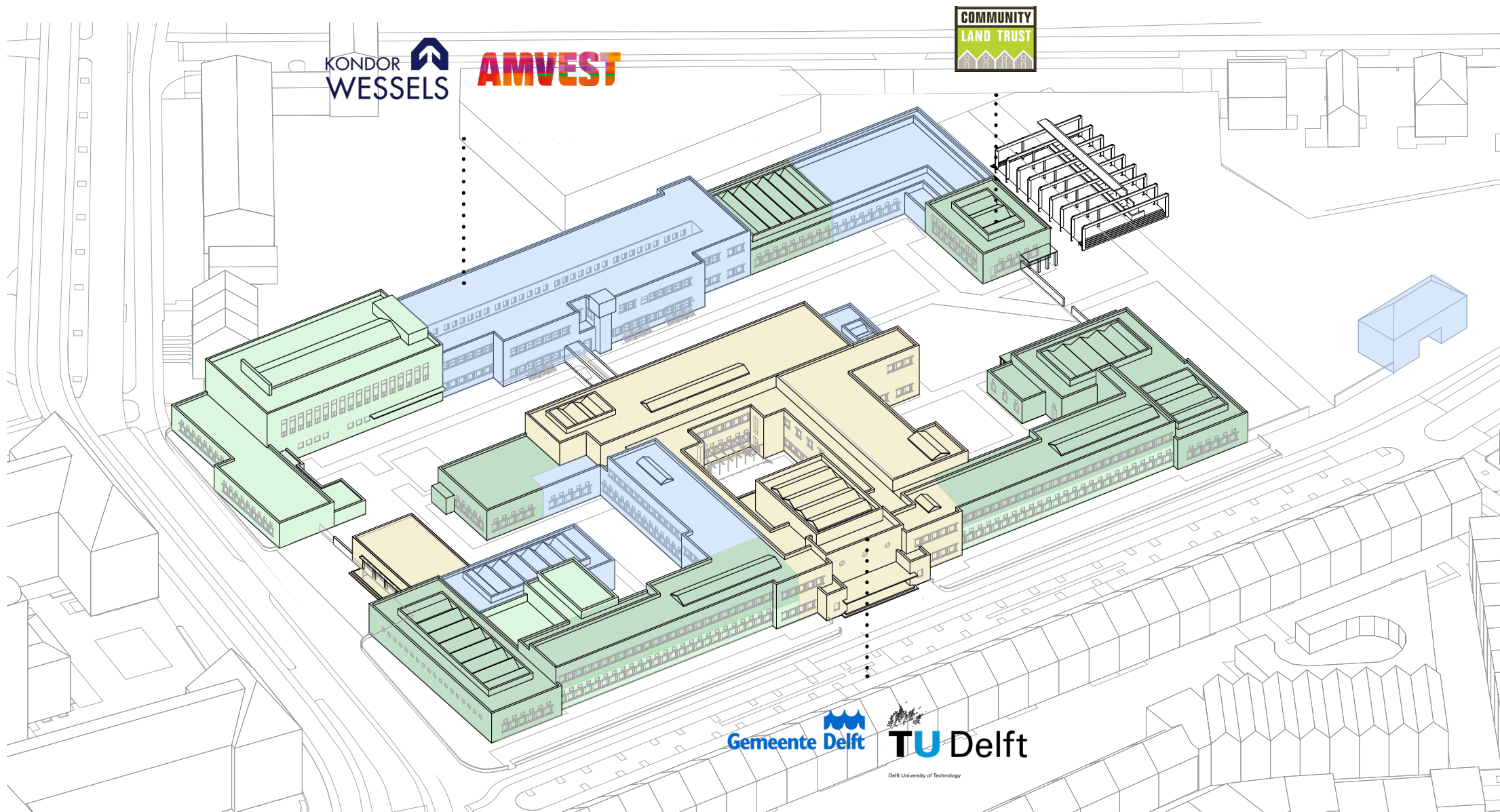


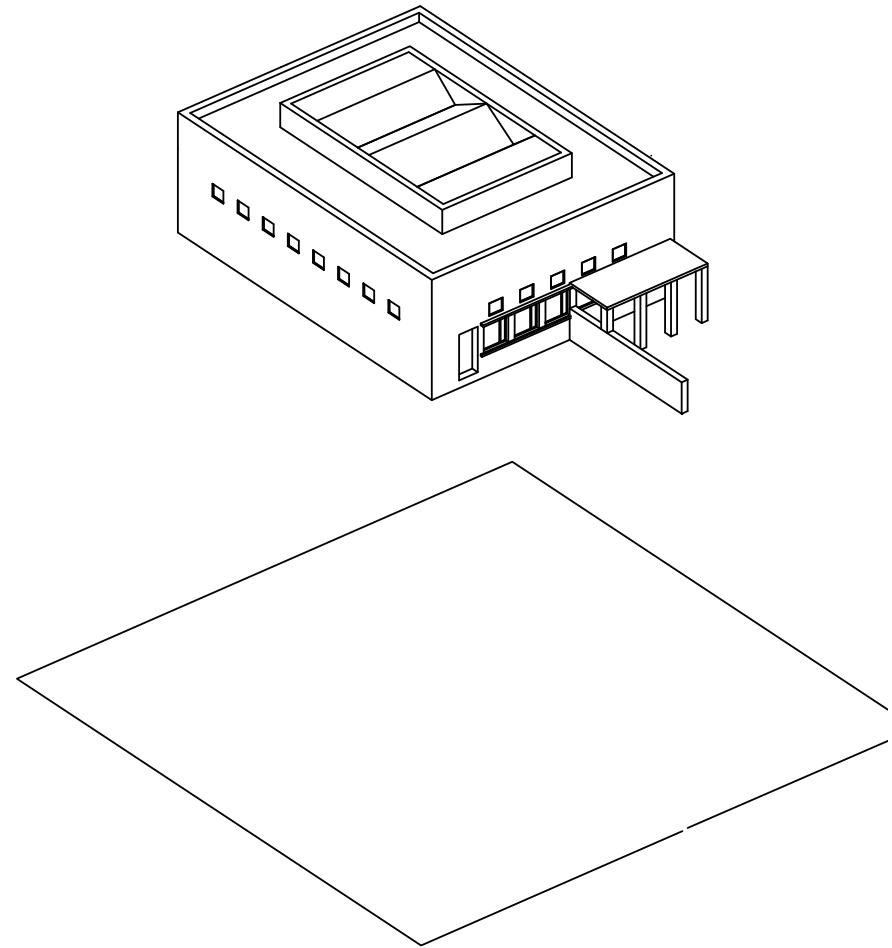
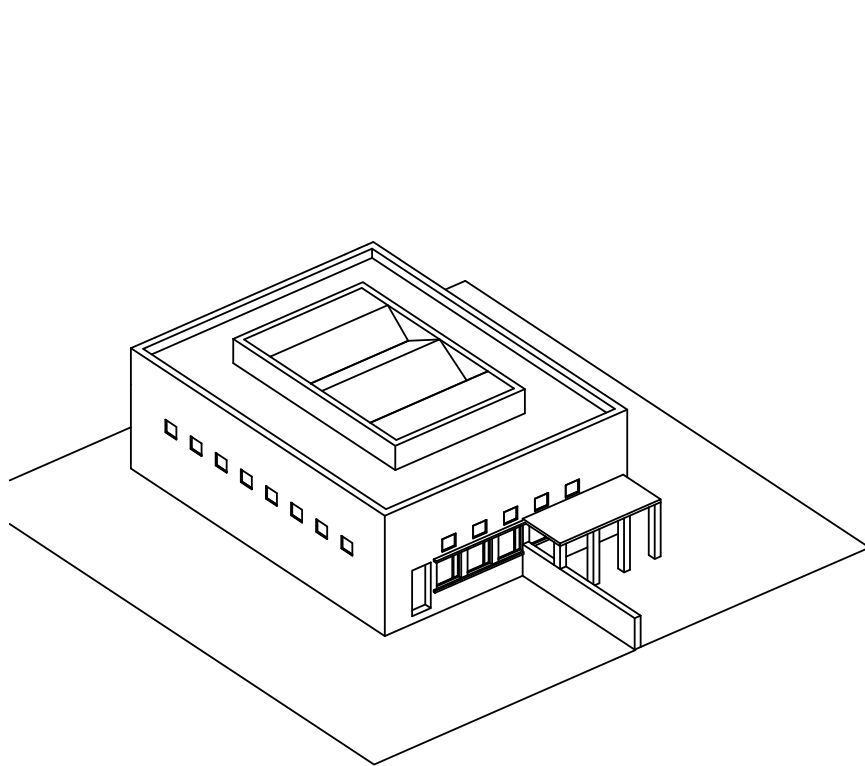
Public





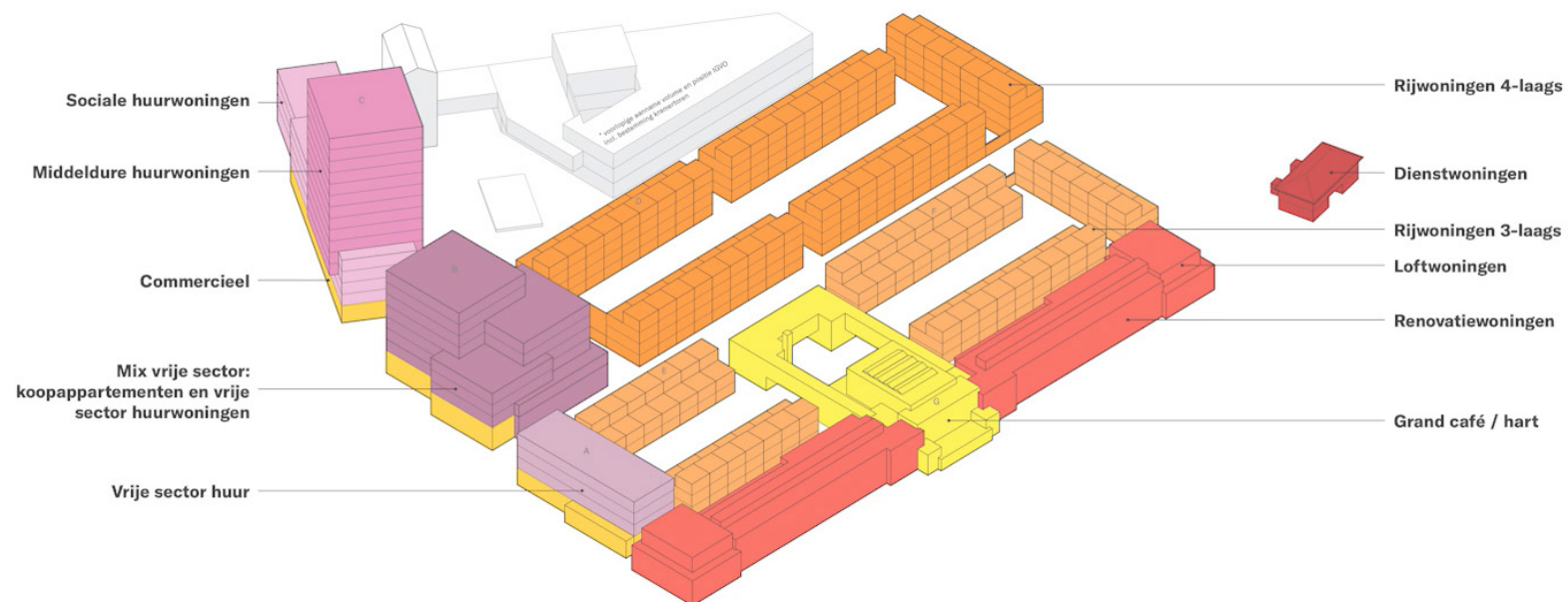
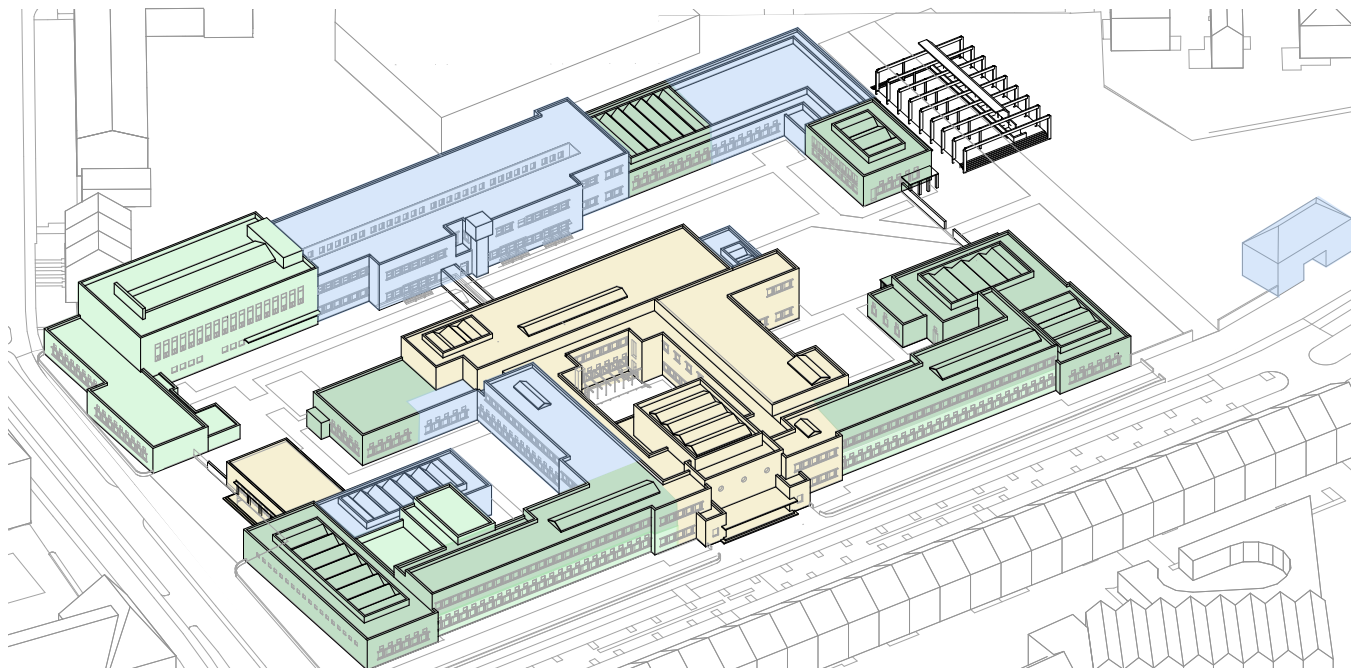


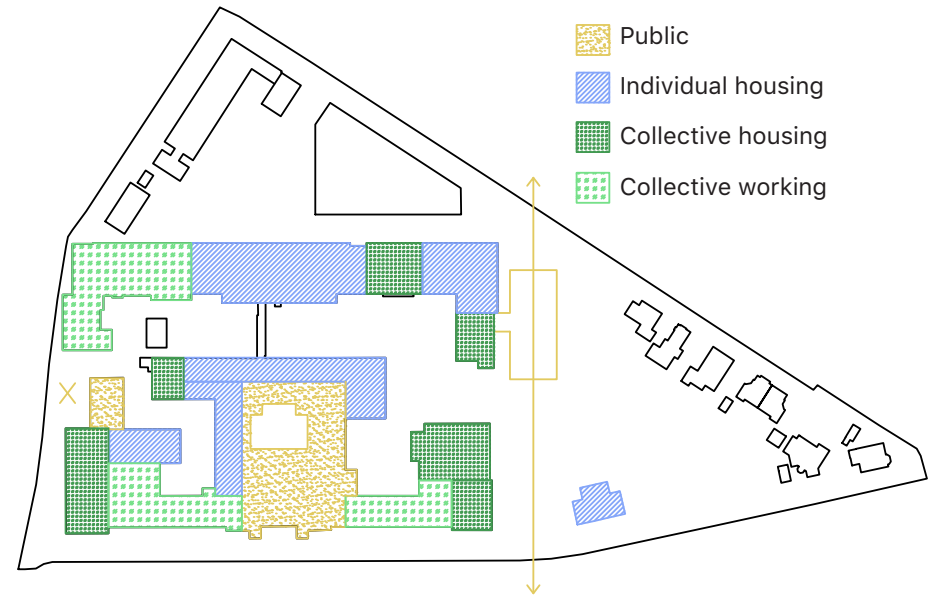
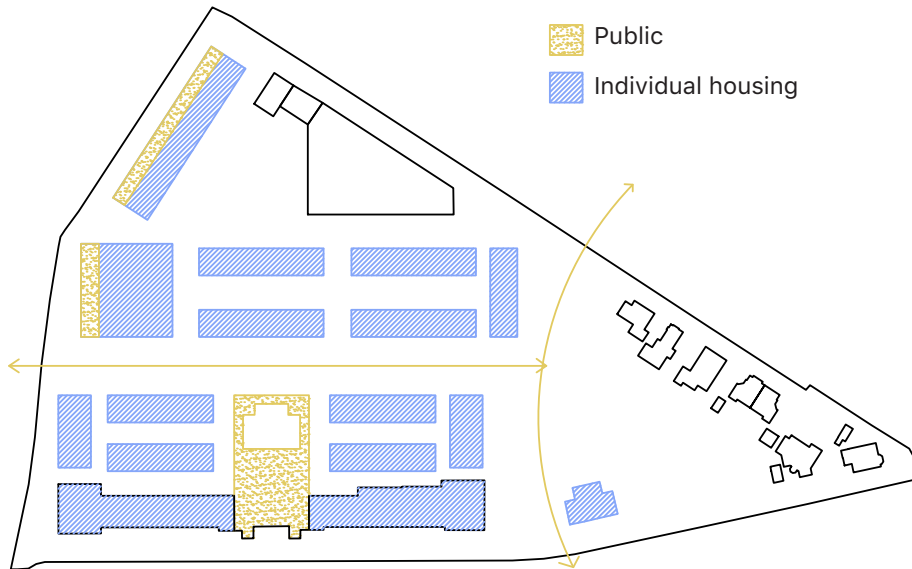
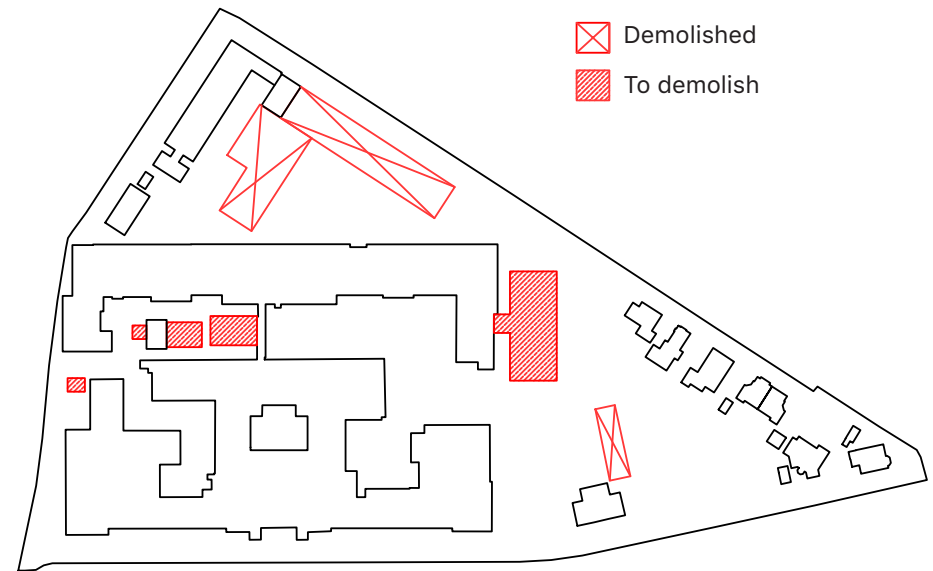
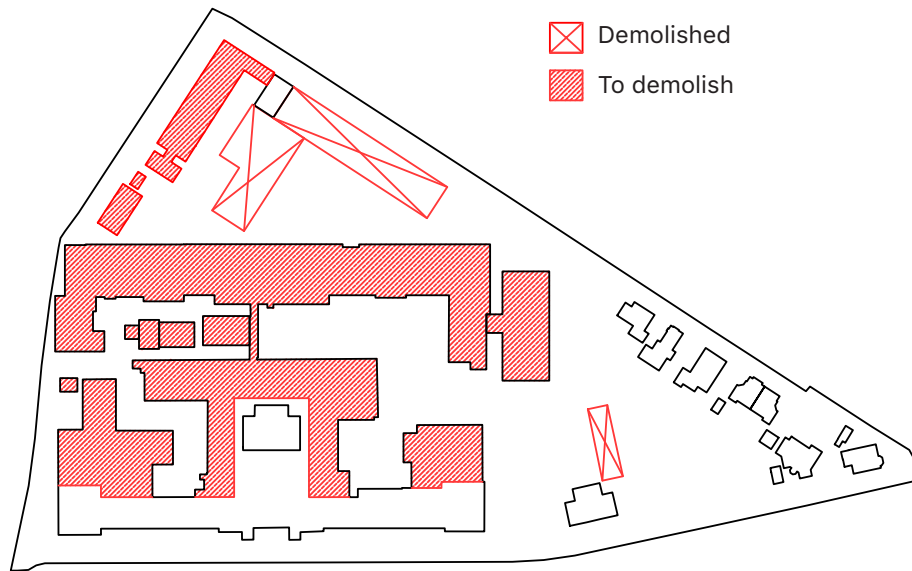






Original segmentation by departements





Developer's project

Graduation Project

1. A moratorium on demolition and construction

1.A. Material Waste

1.B. Degrounding of culture

2. Avoid grand narratives

3. "What is the worldview needed?"

4. Design a mode of valuation

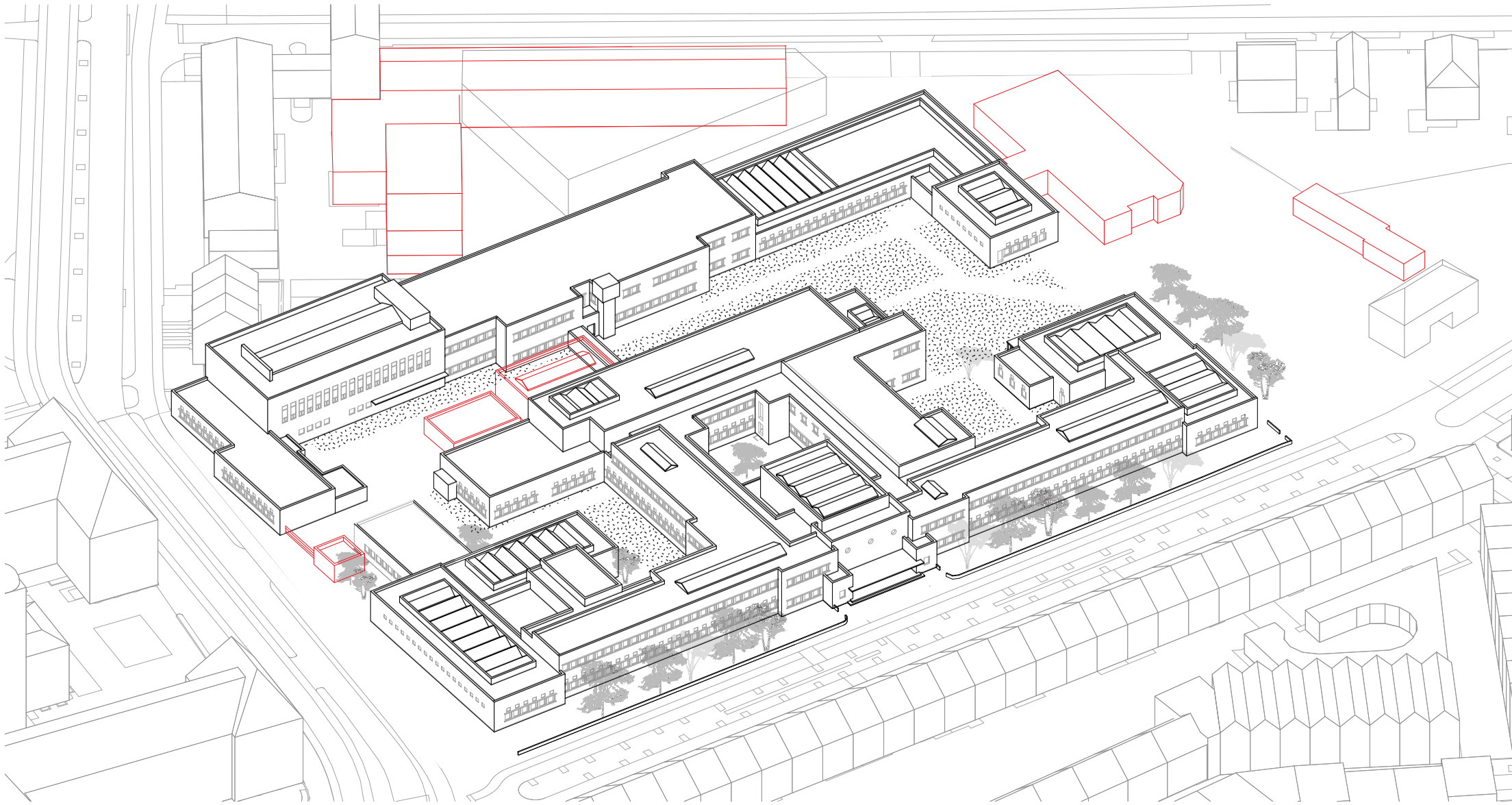
5. Give an existence to what has value

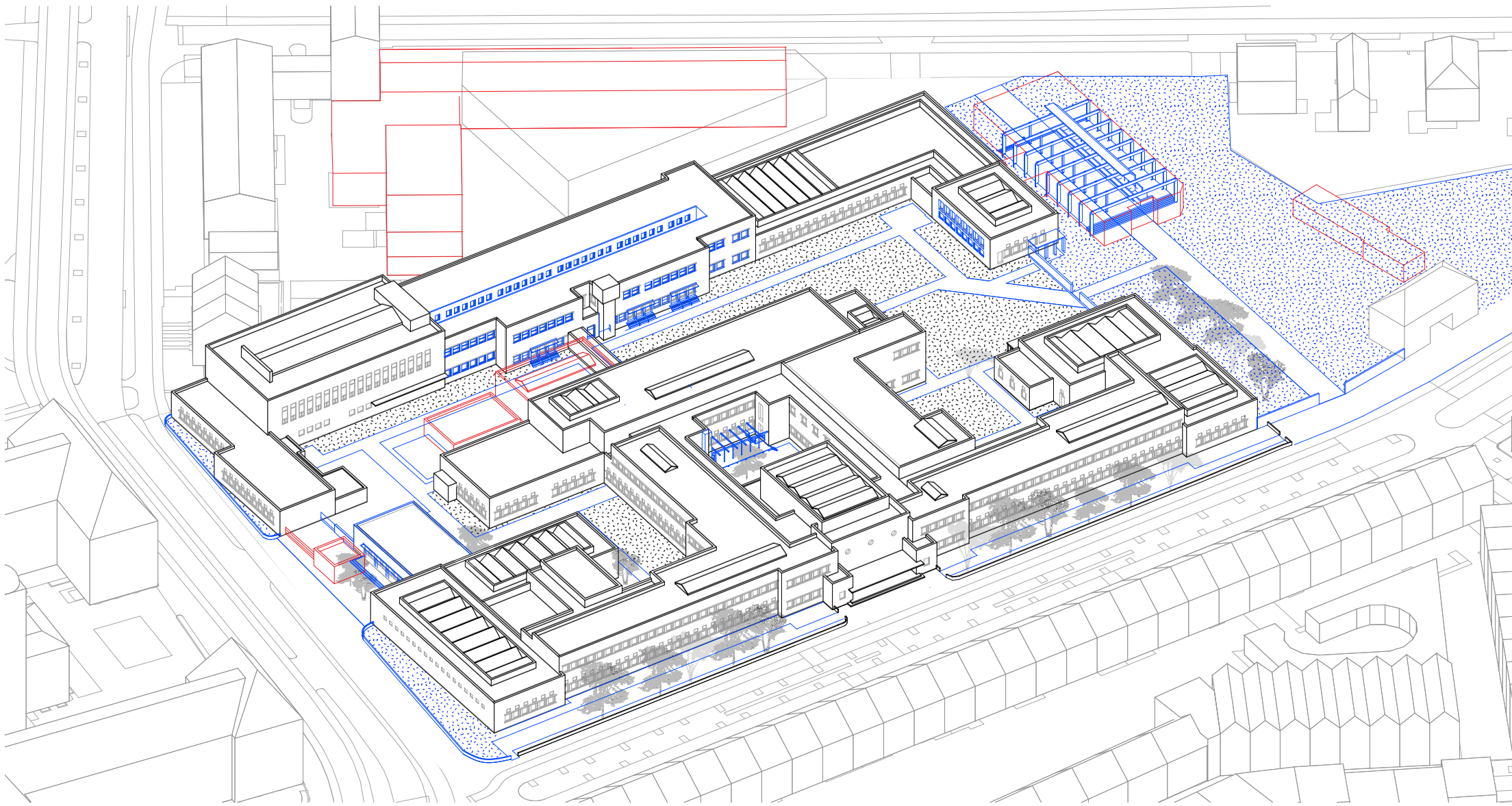
6. Think in term of processes

7. Continuation

8. Reparation - Repair what is broken

9. Alteration







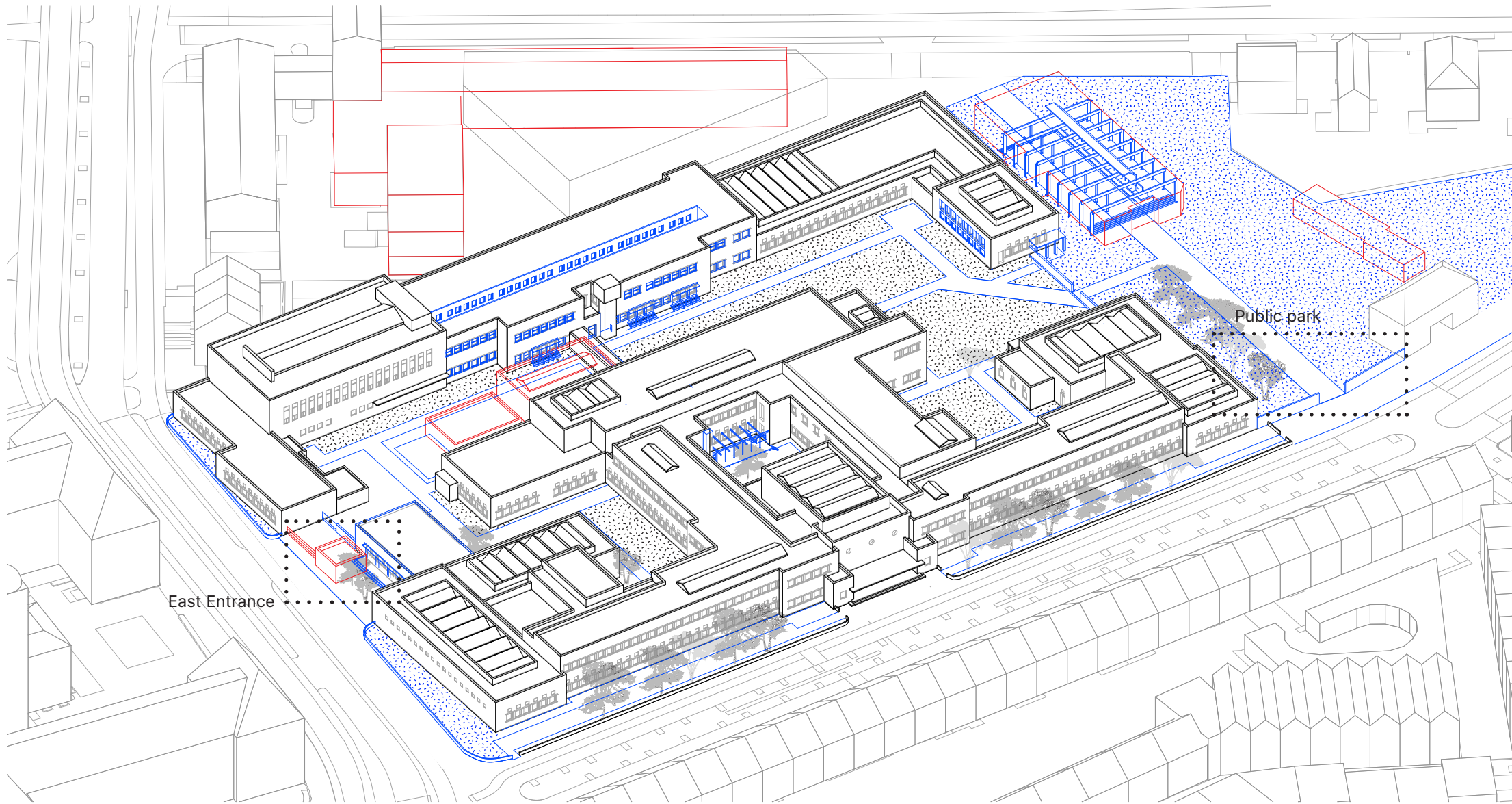
31

Spieskanon.com

Rise

kindinpraktijk
www.kindinpraktijk.nl

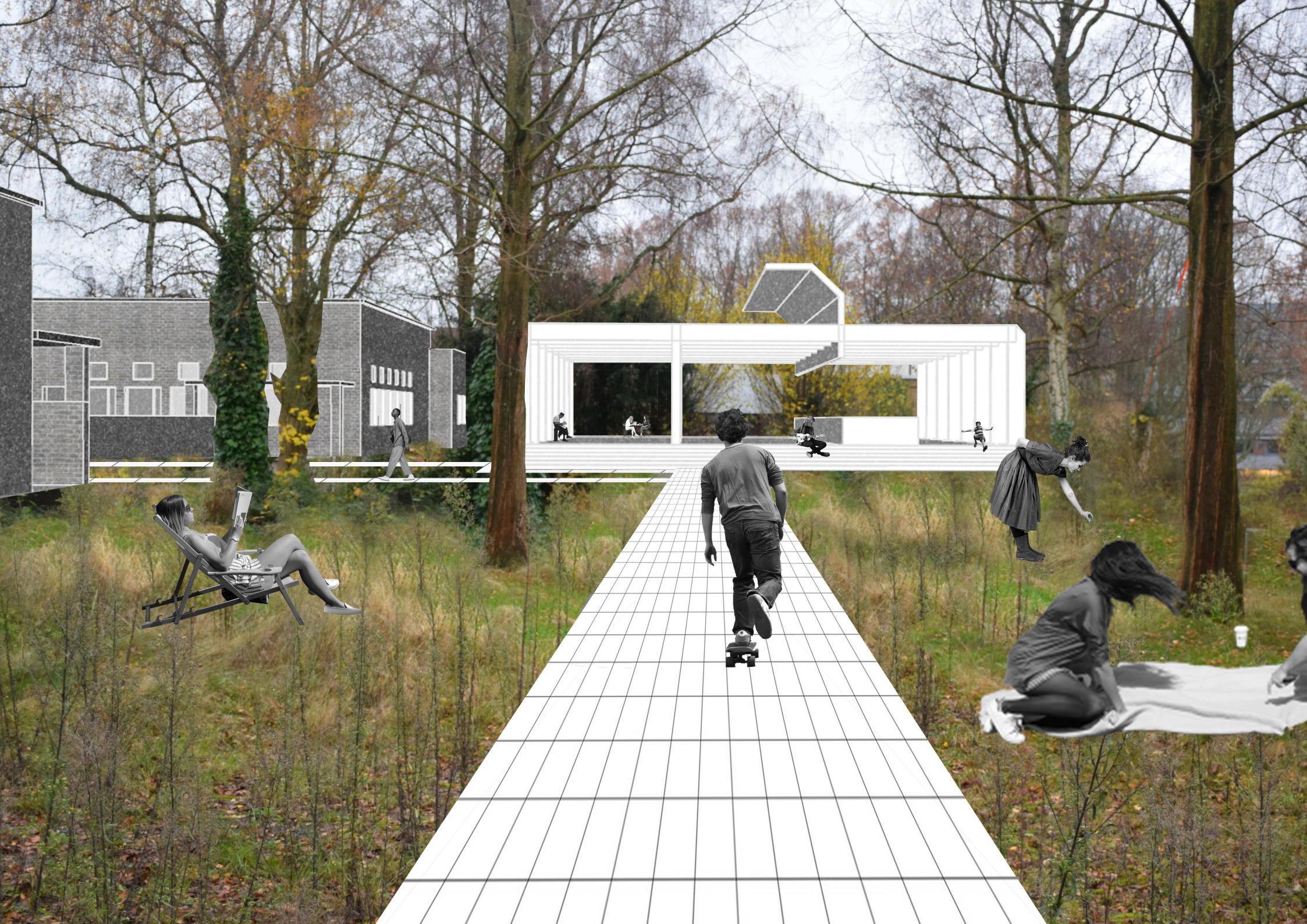






80s Extension





1. A moratorium on demolition and construction

1.A. Material Waste

1.B. Degrounding of culture

2. Avoid grand narratives

3. "What is the worldview needed?"

4. Design a mode of valuation

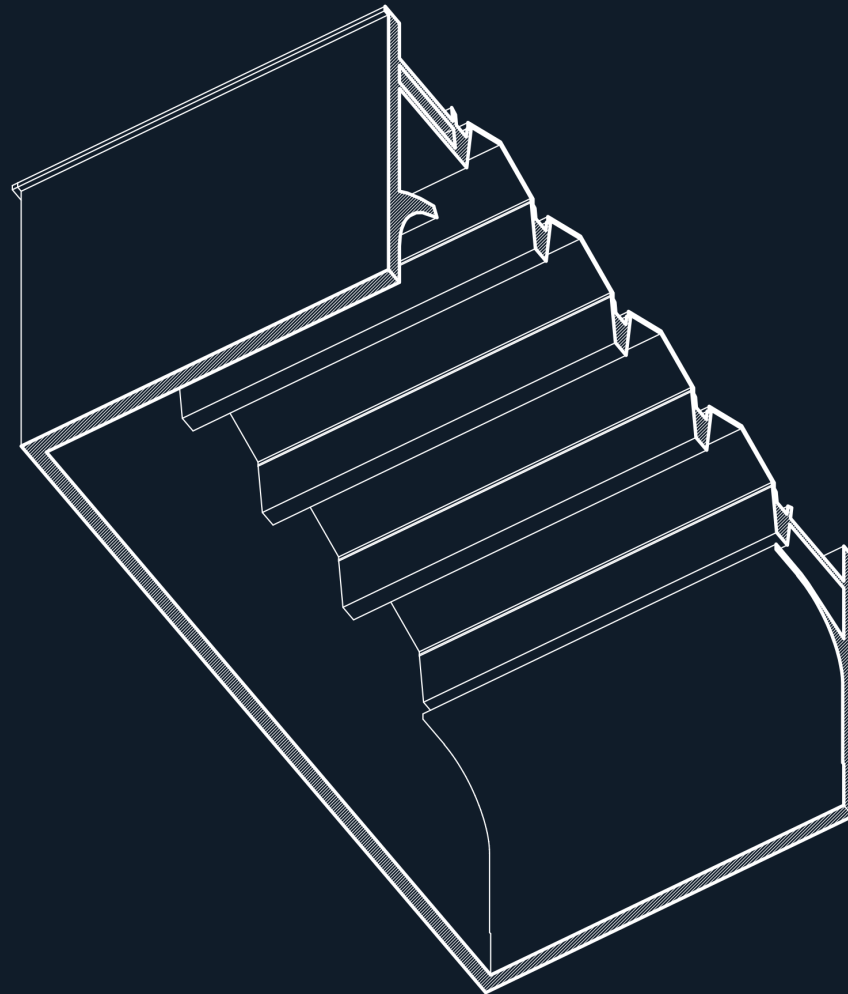
5. Give an existence to what has value

6. Think in term of processes

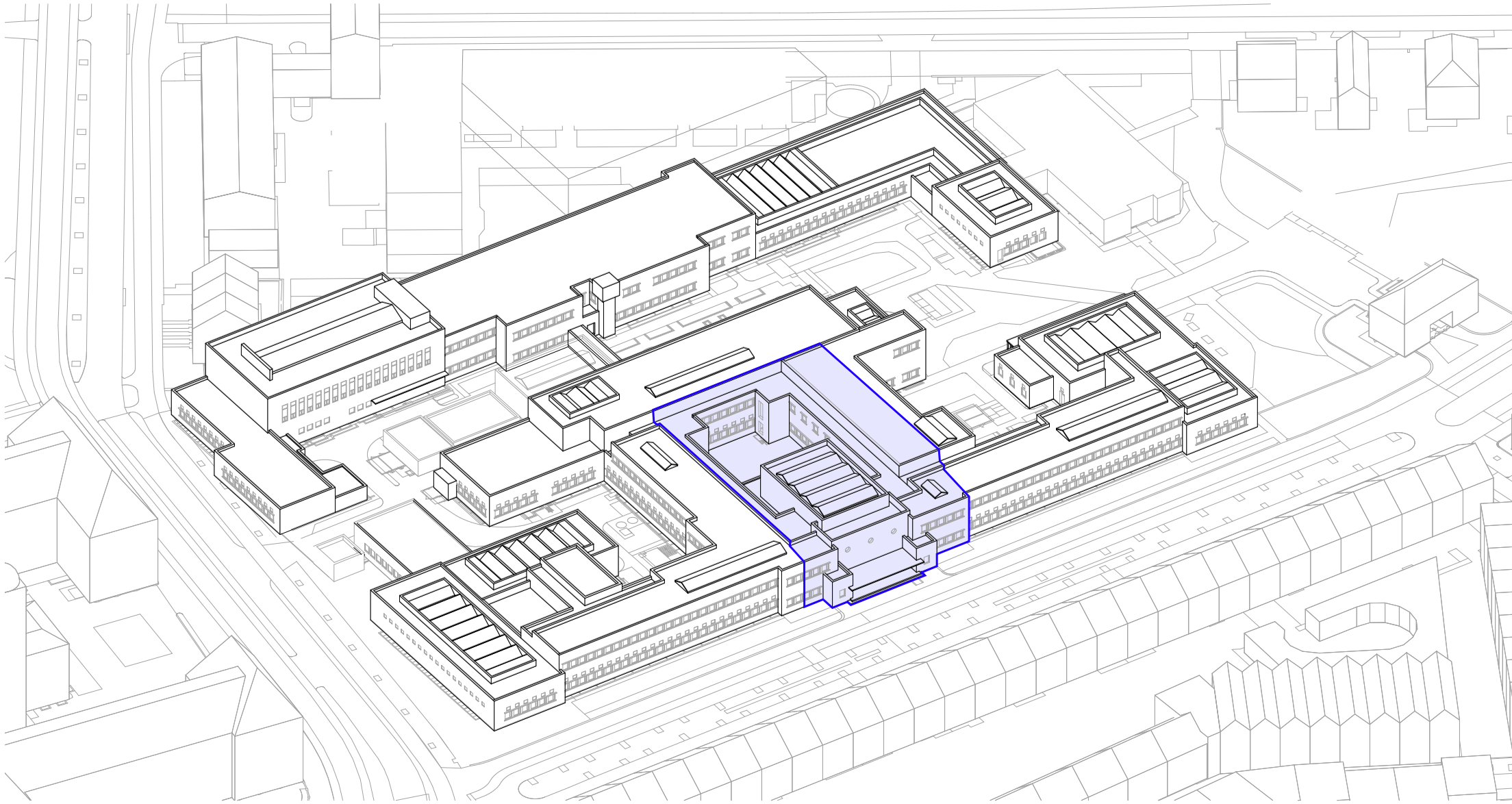
7. Continuation

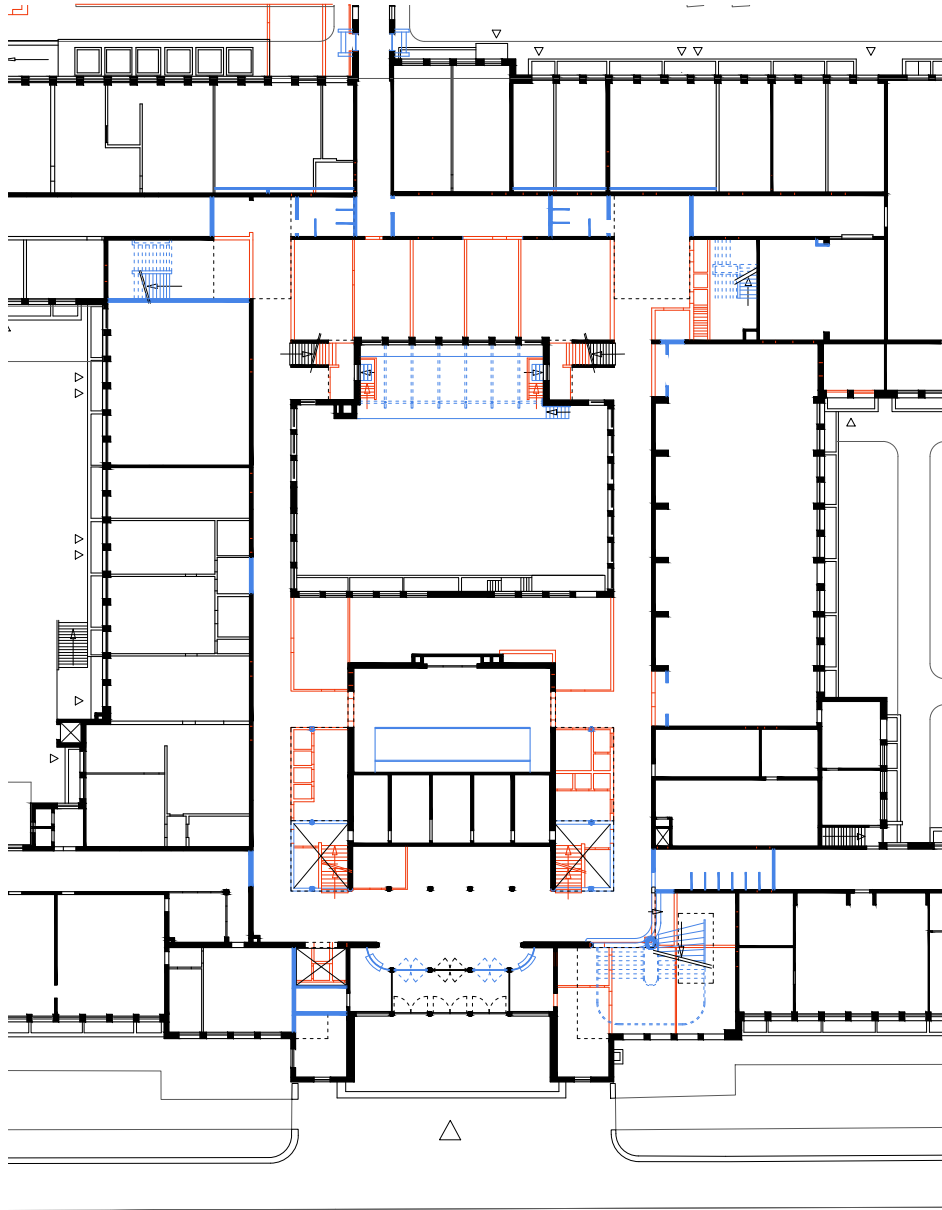
8. Reparation

9. Alteration - Add what is valuable

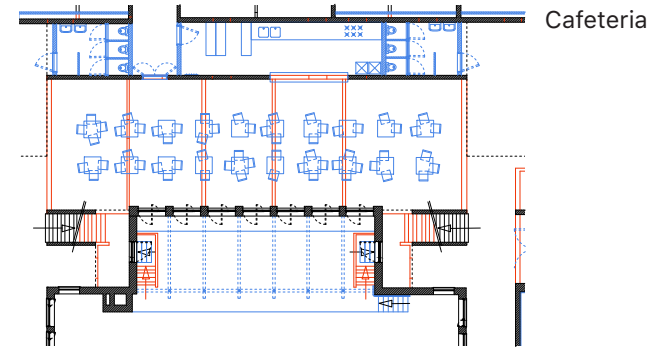


The Public

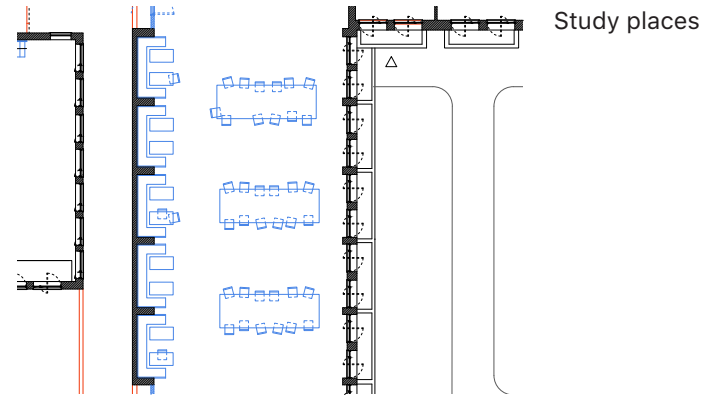




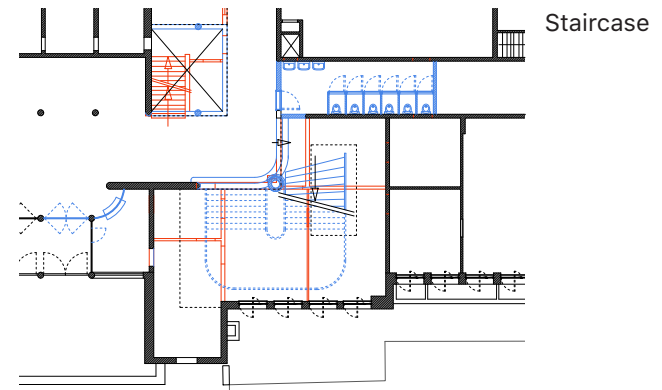
Ground floor



Cafeteria



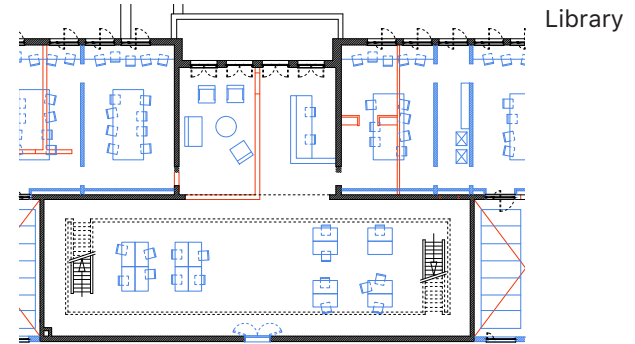
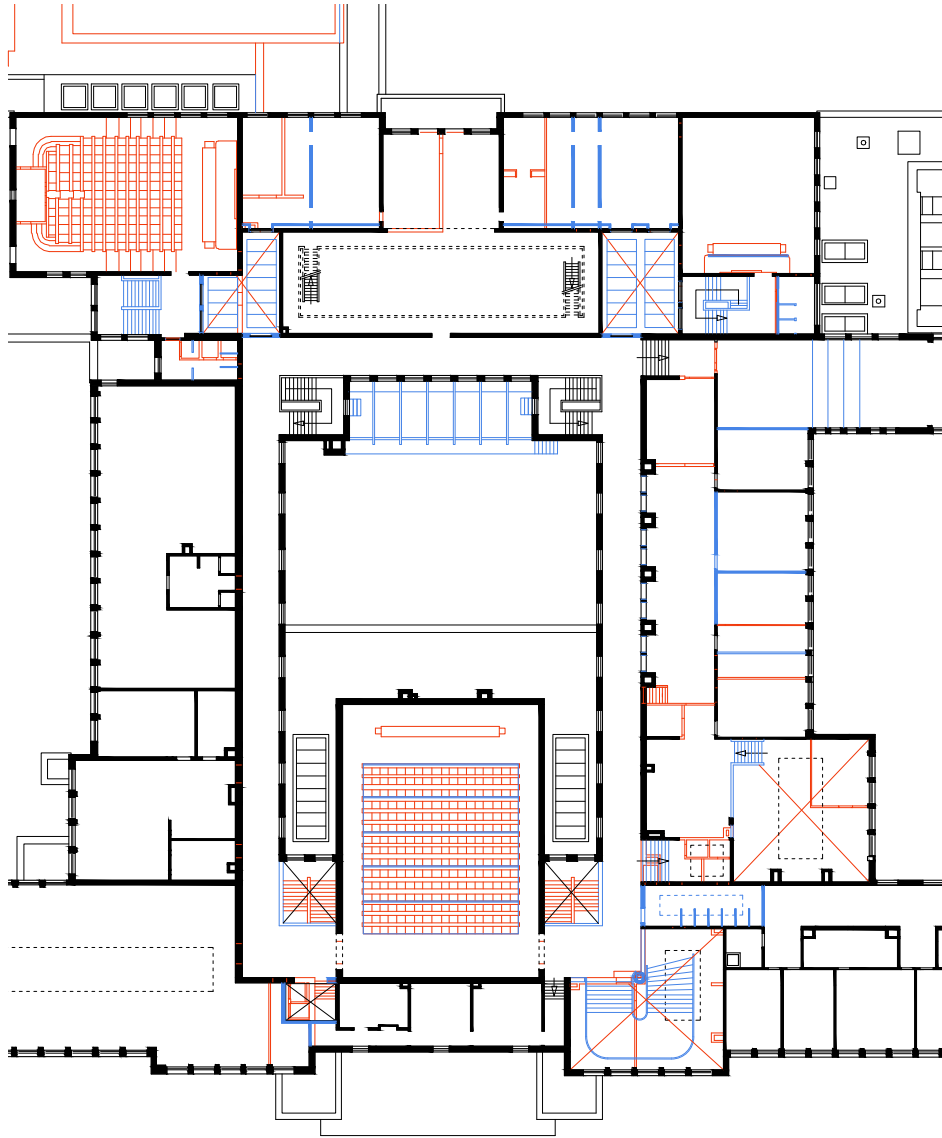
Study places



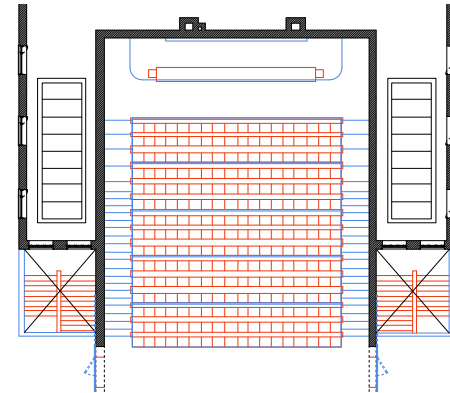
Staircase



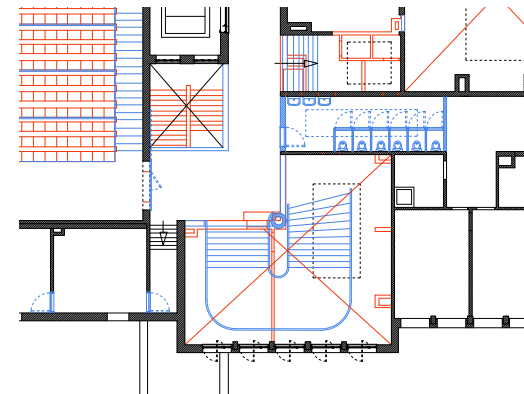




Library



Lecture Hall

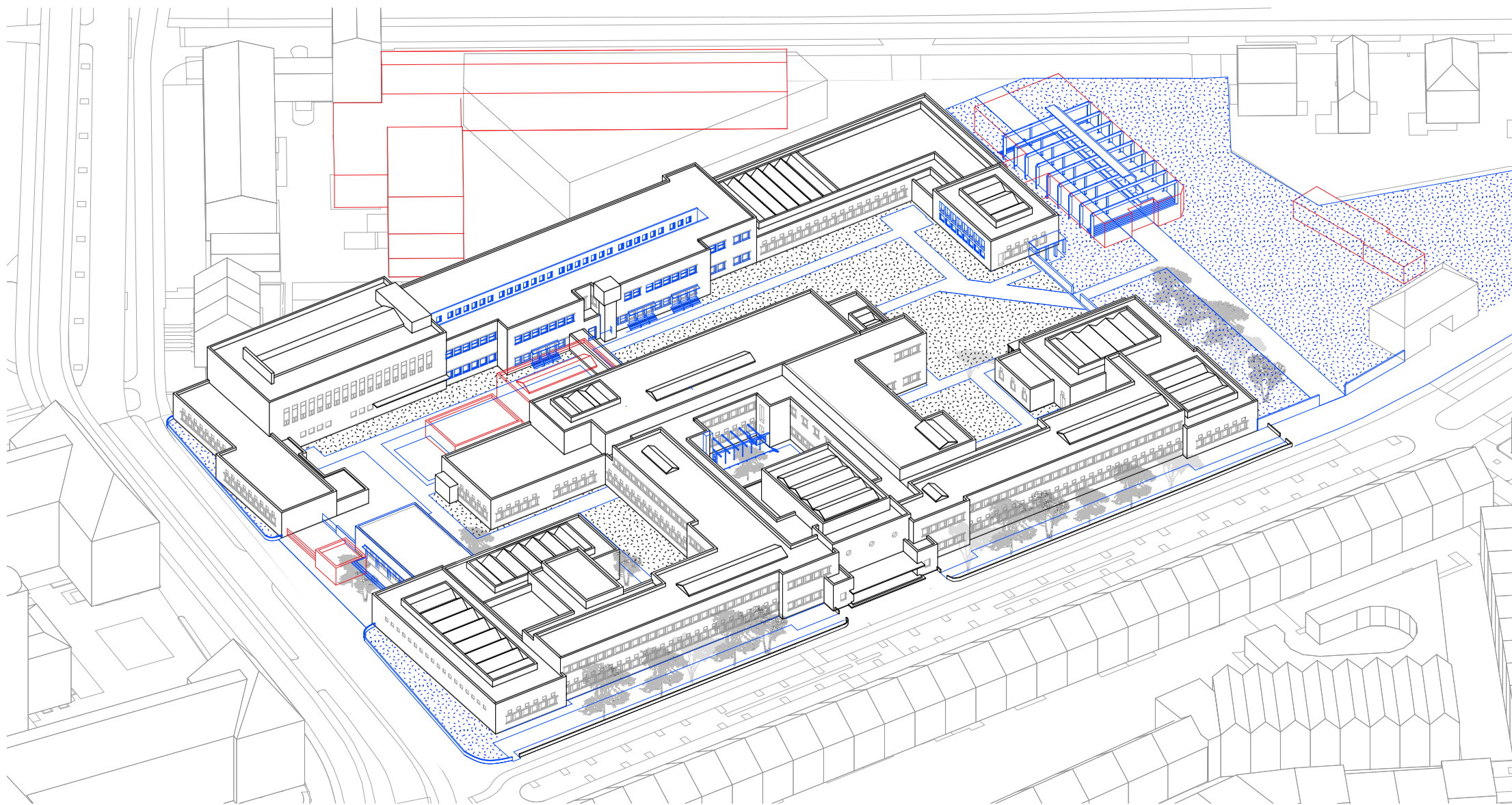


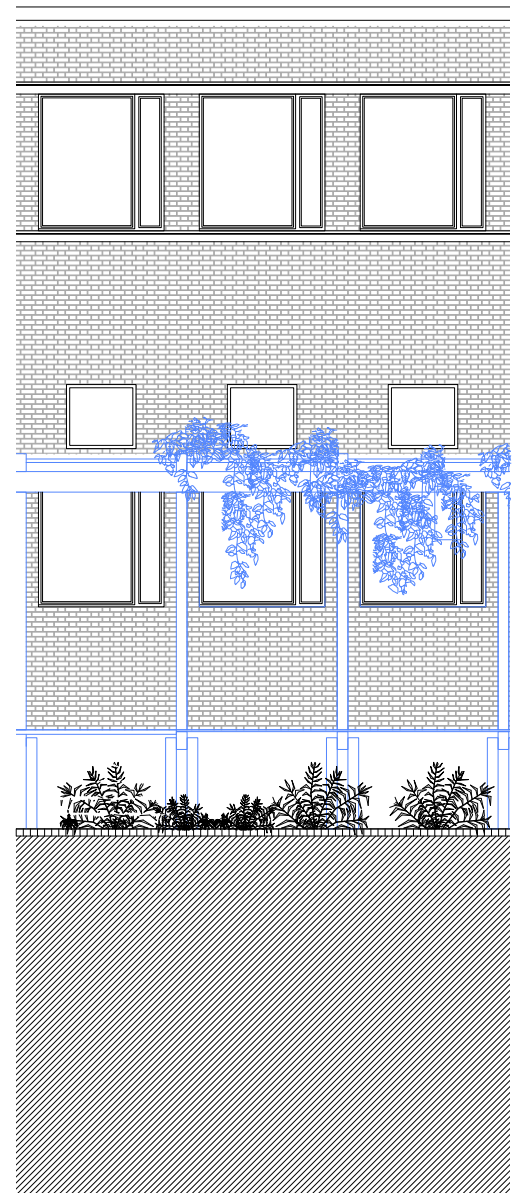
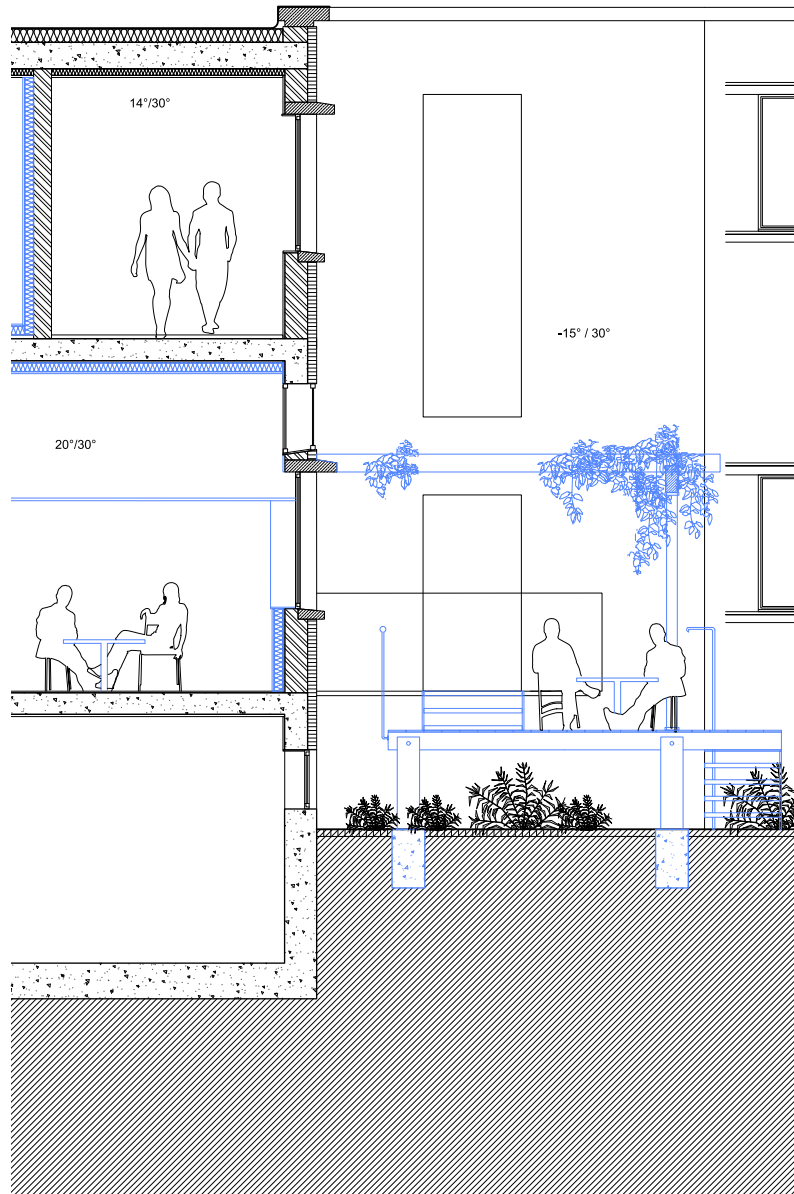
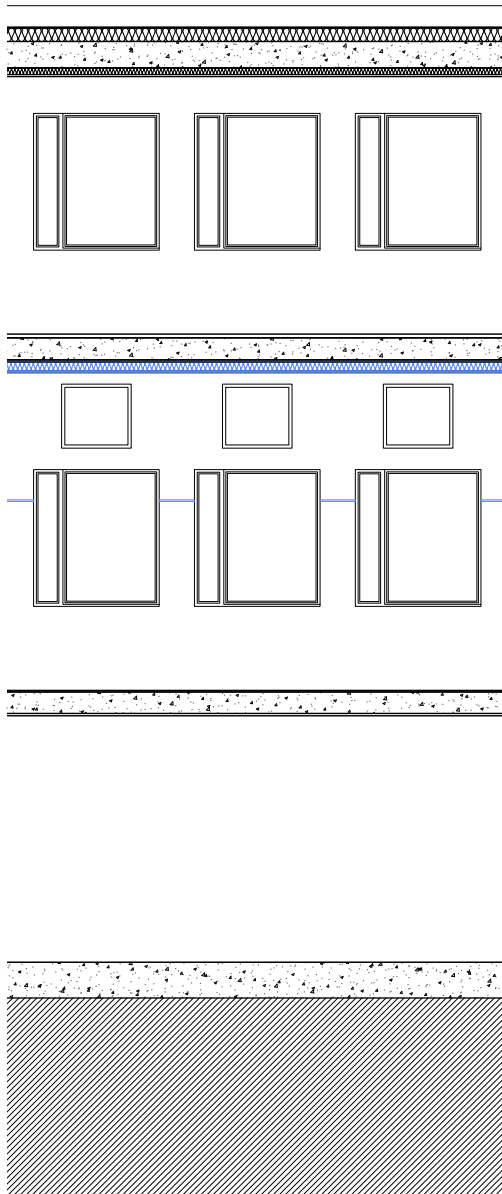
Staircase

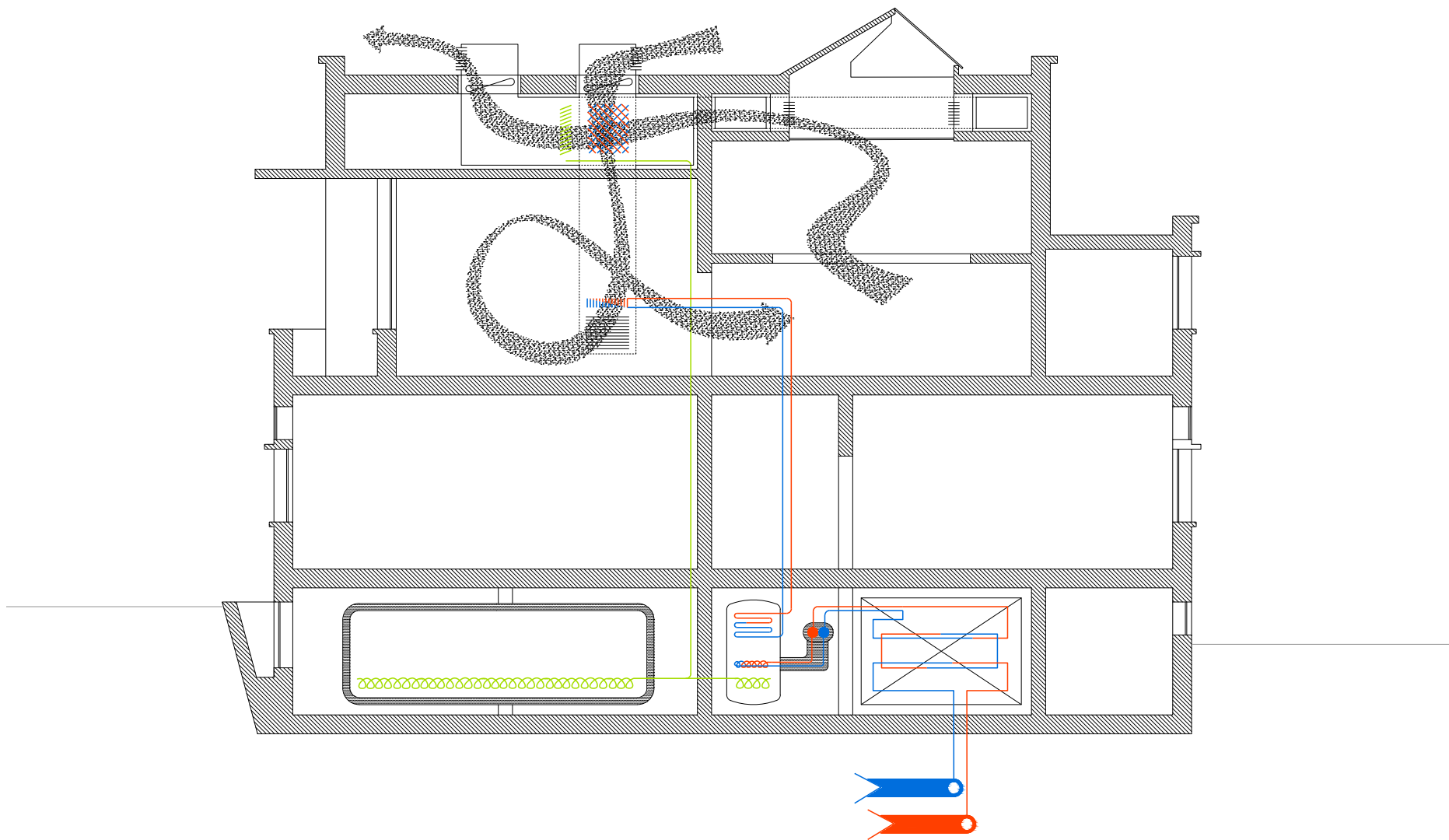


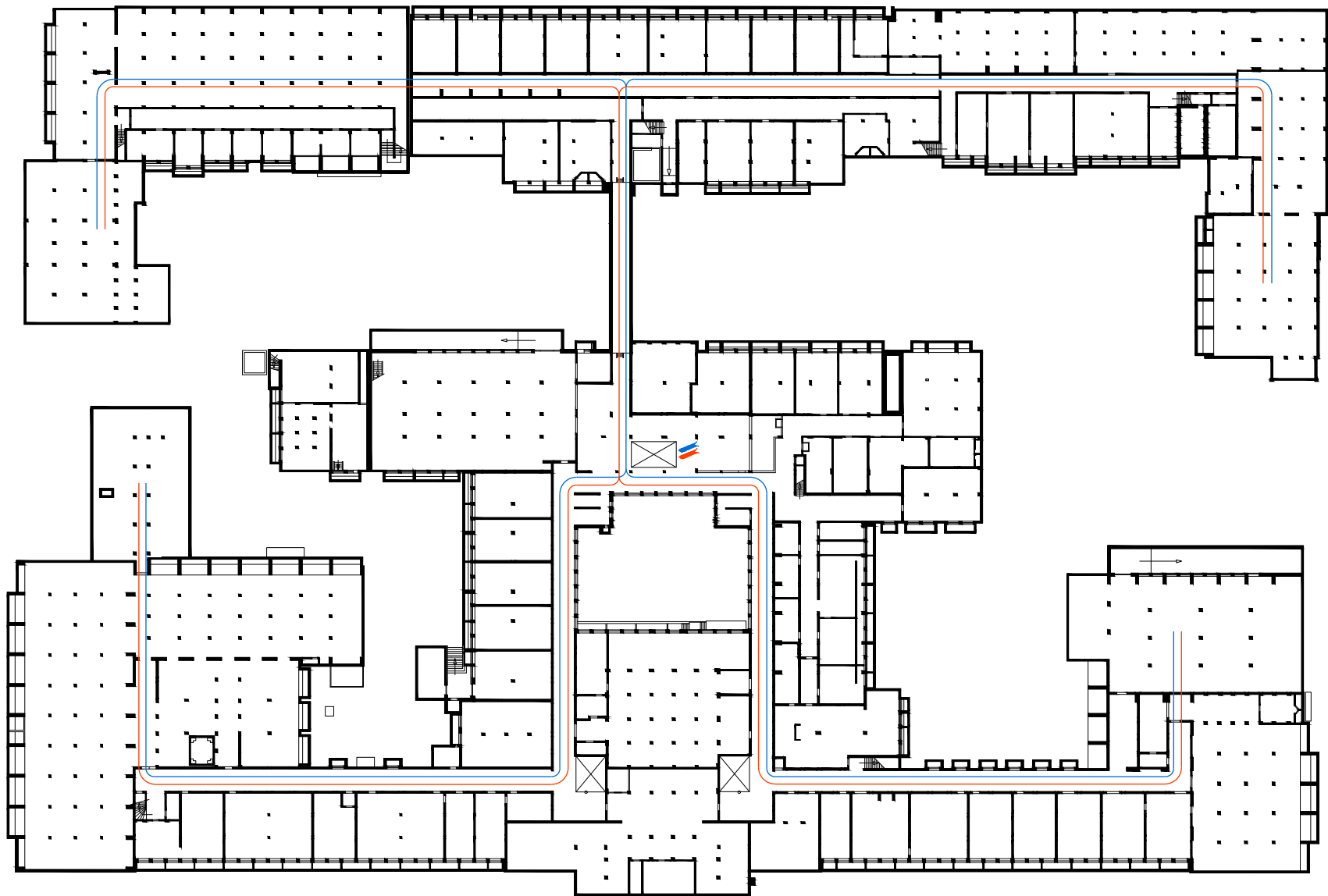


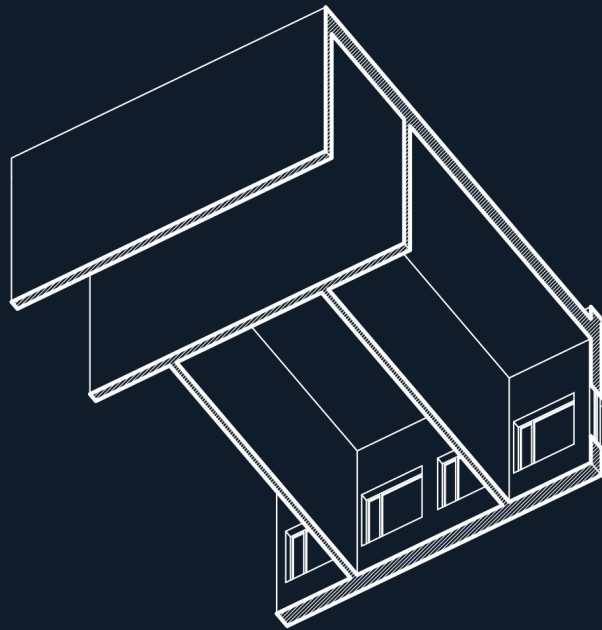




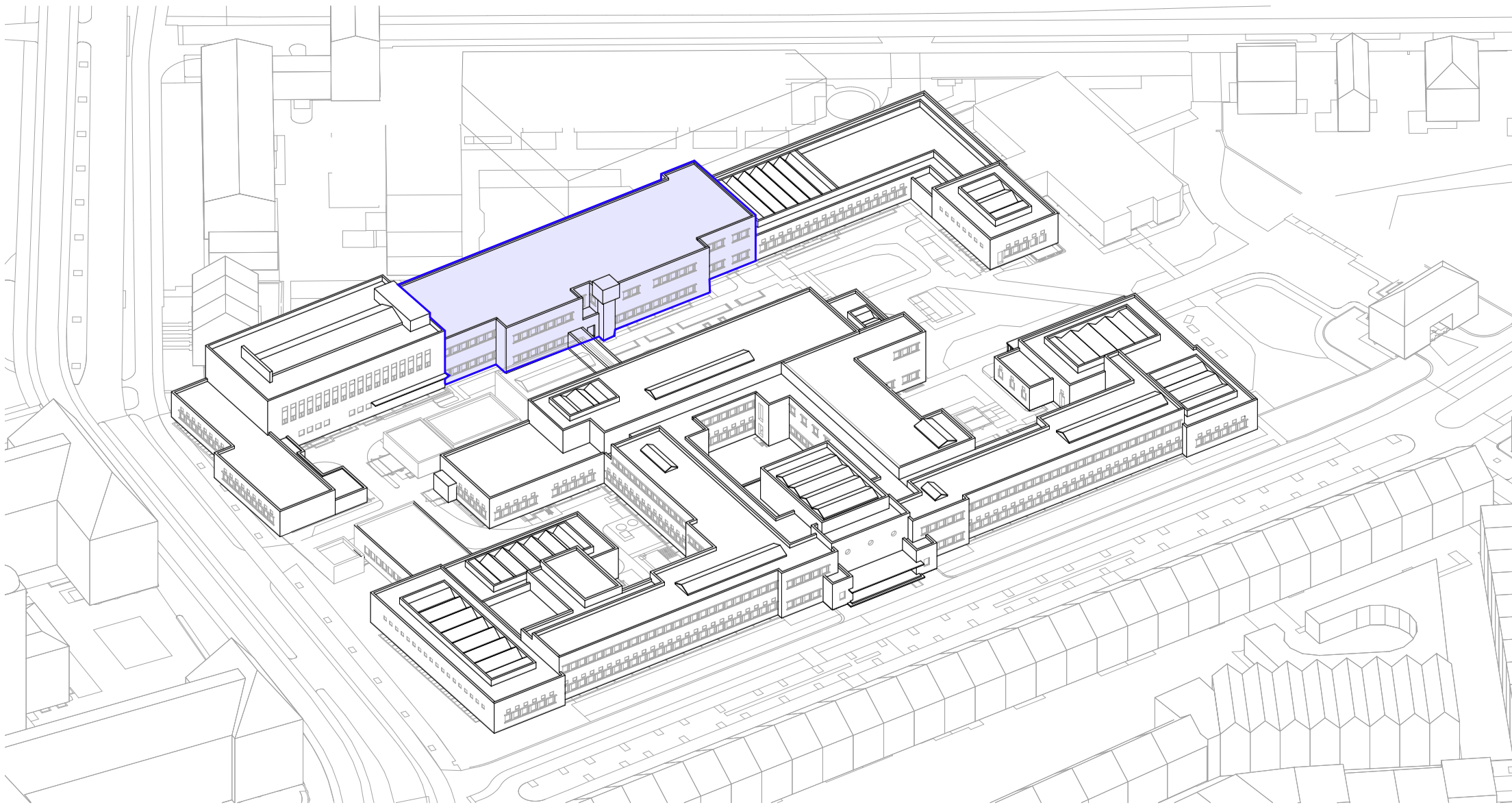




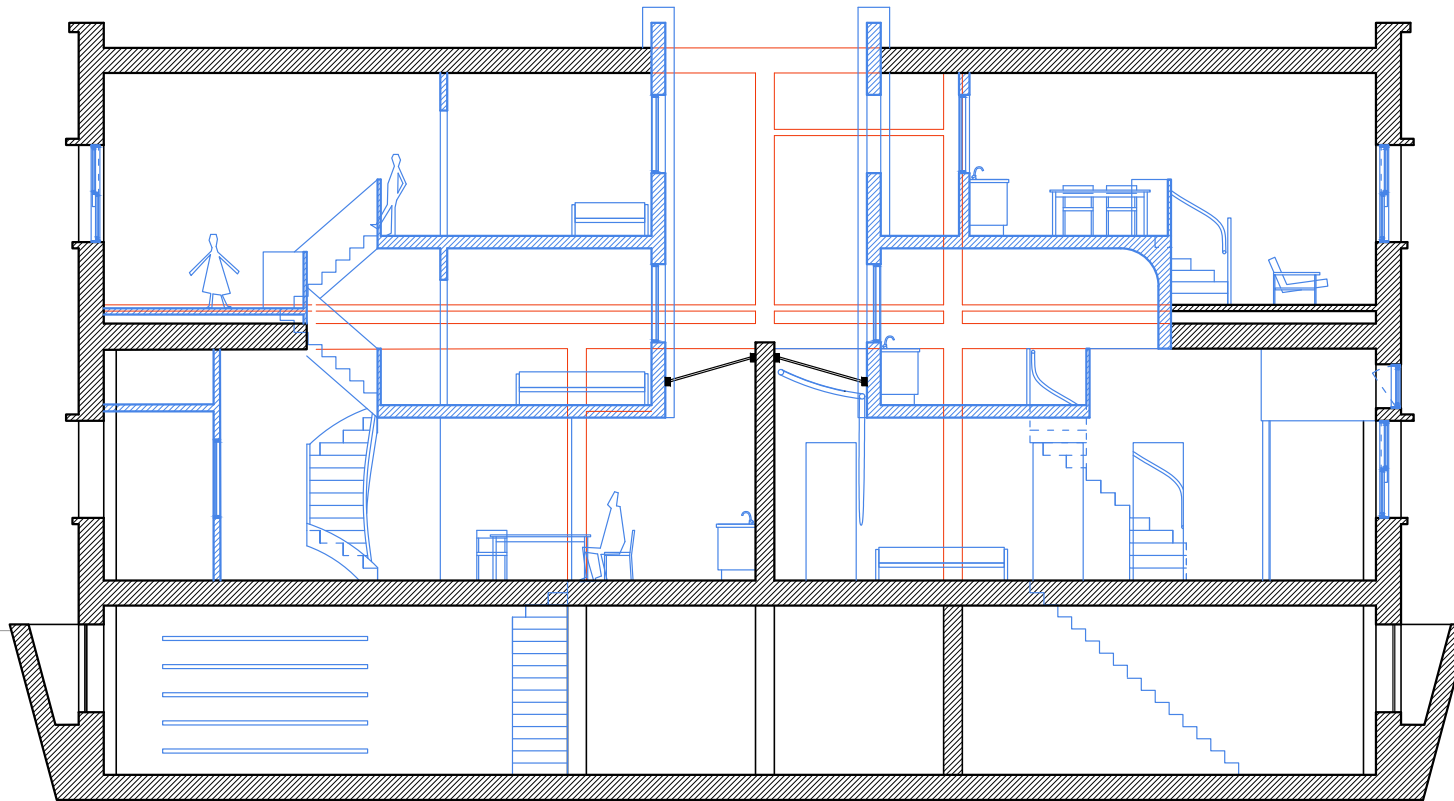
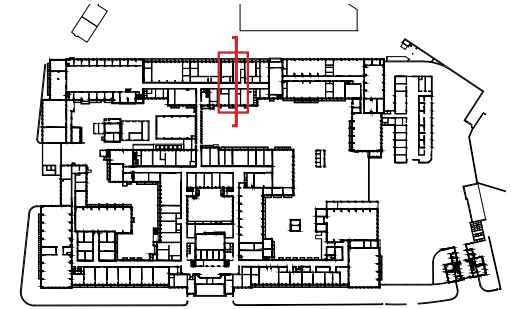




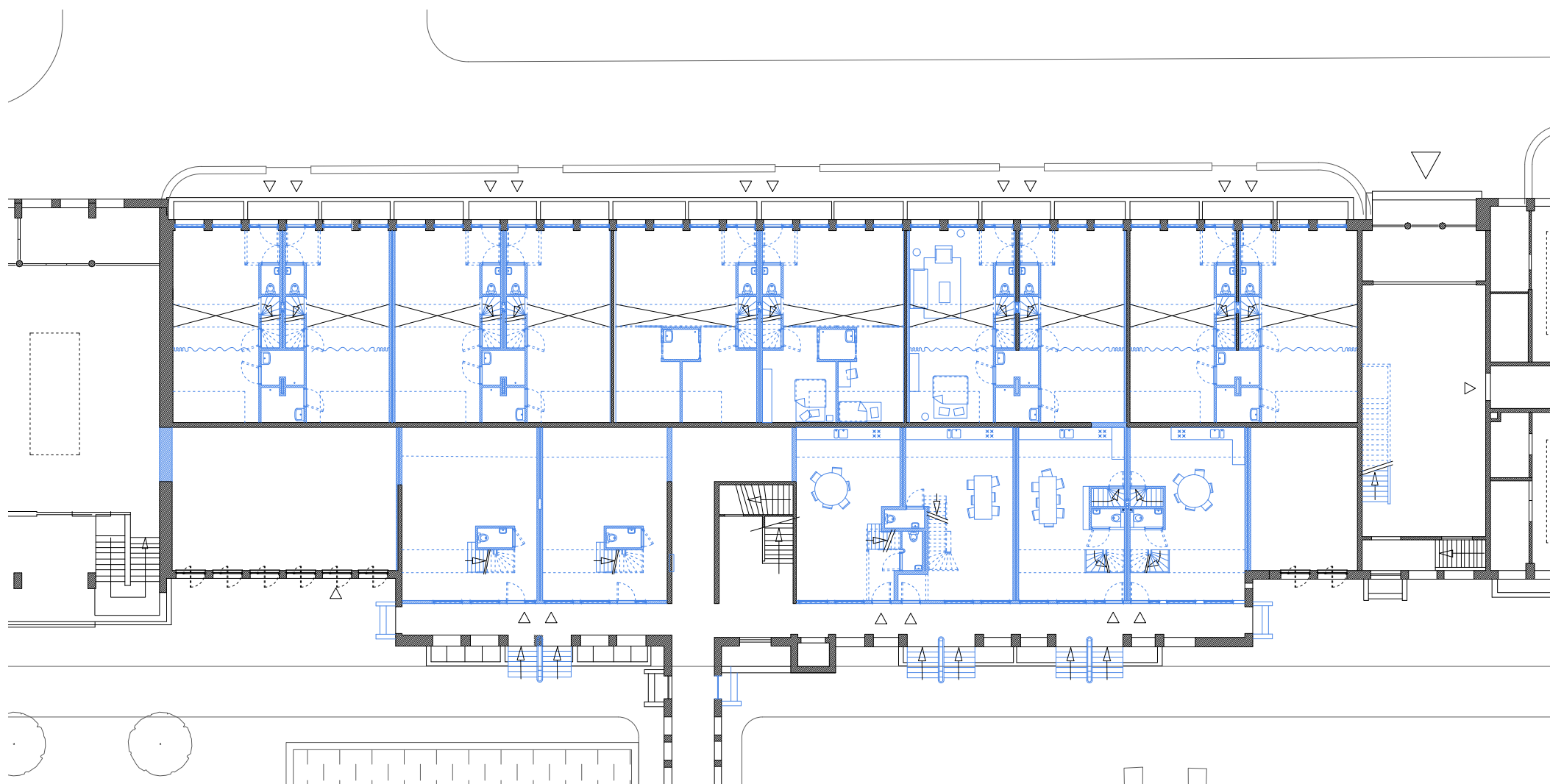
The Private



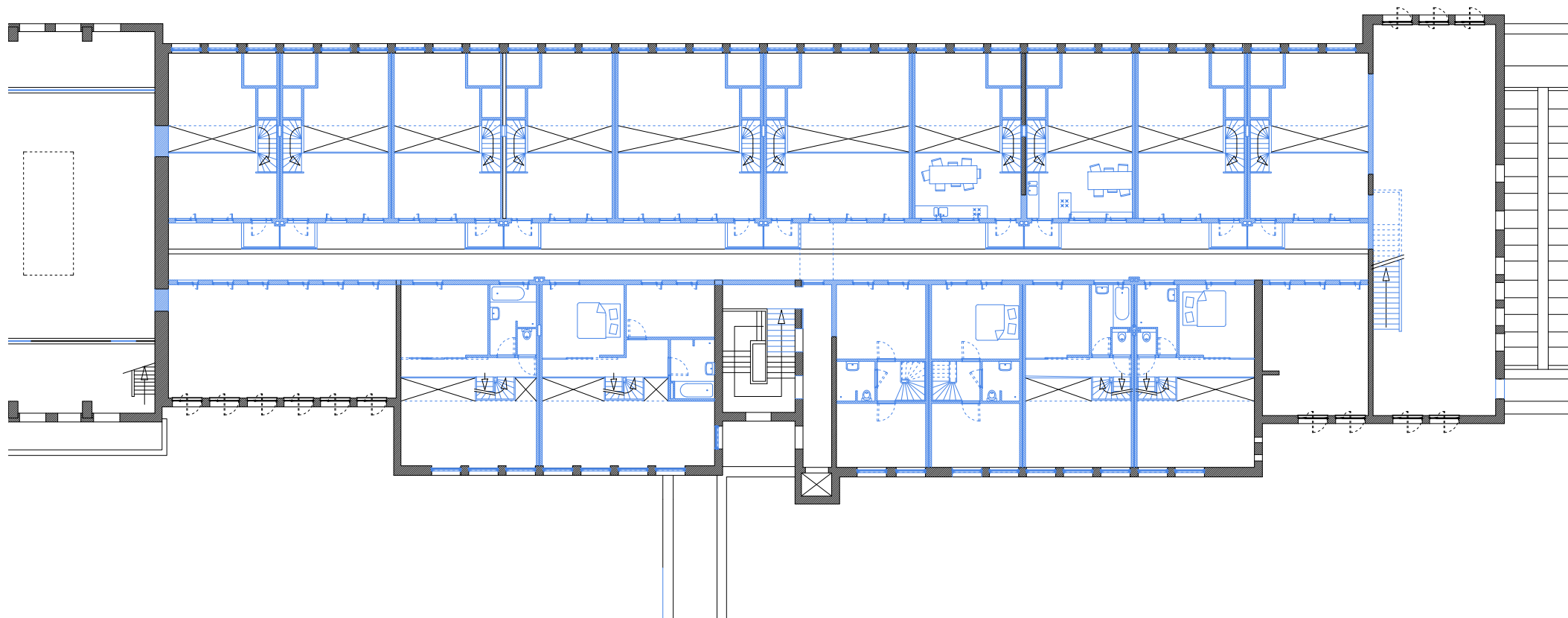


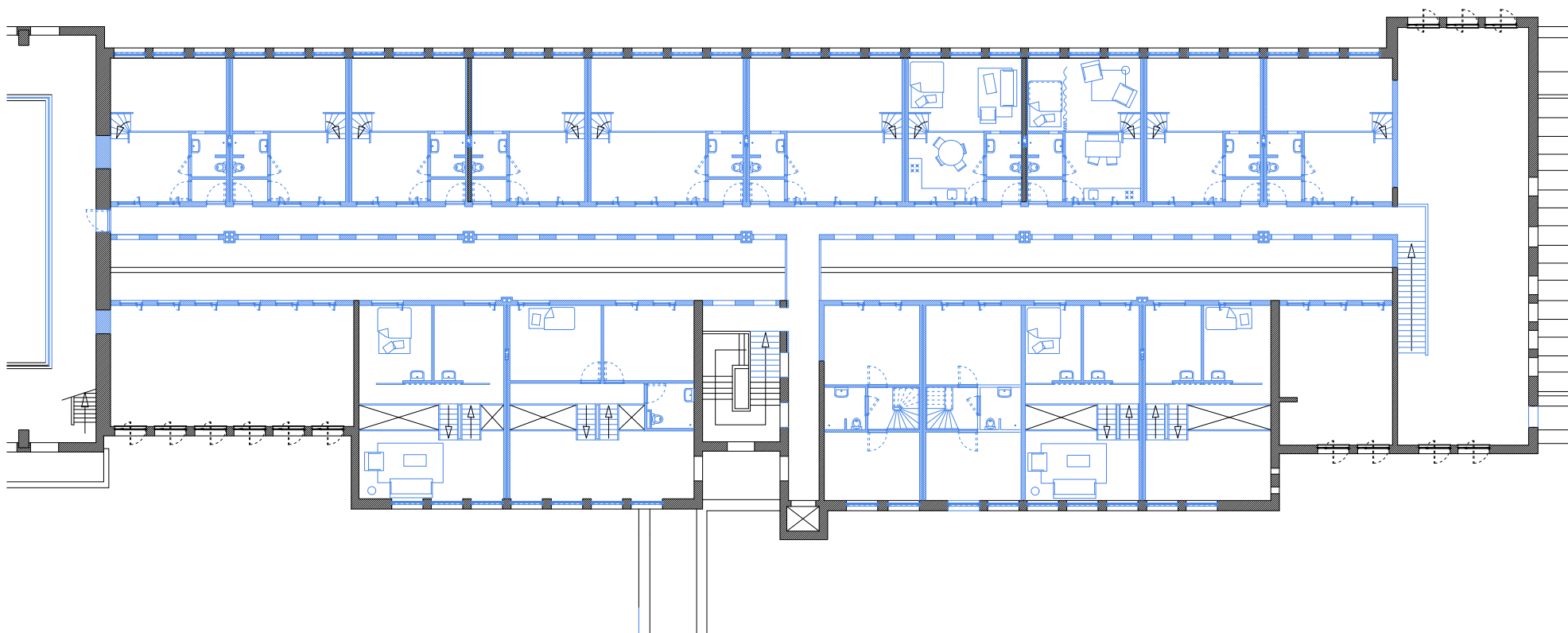


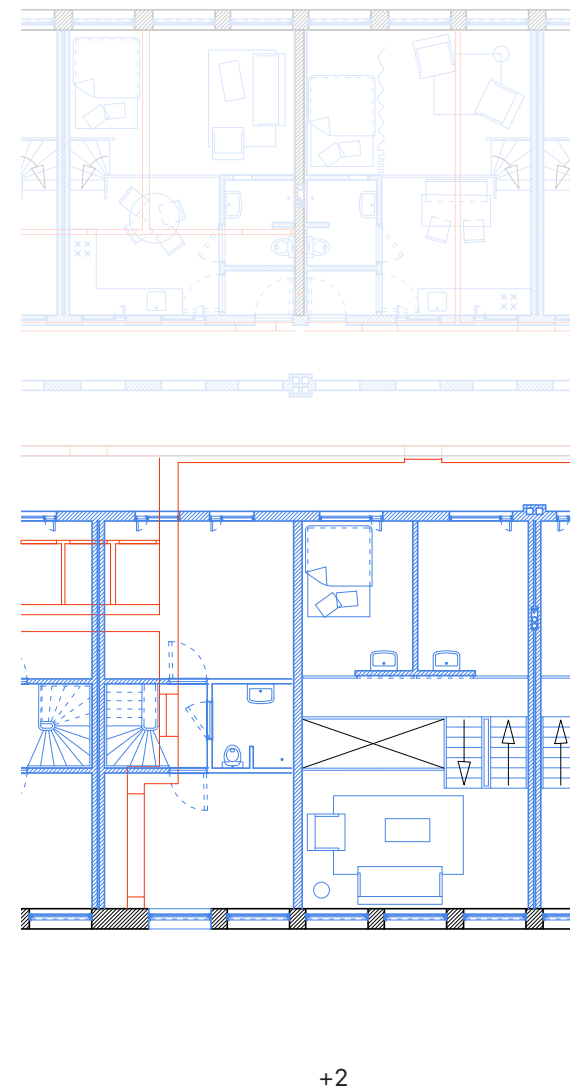
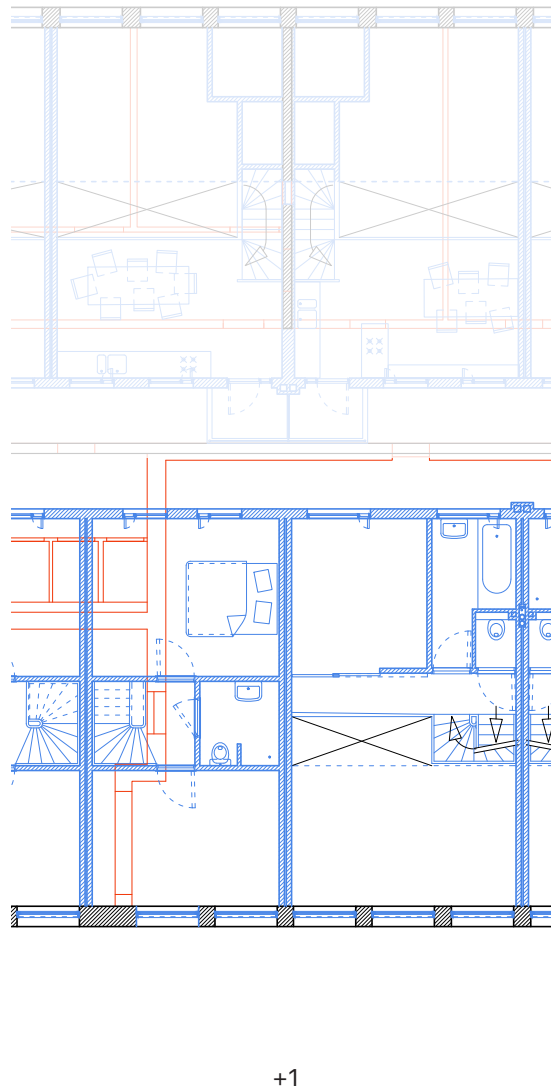
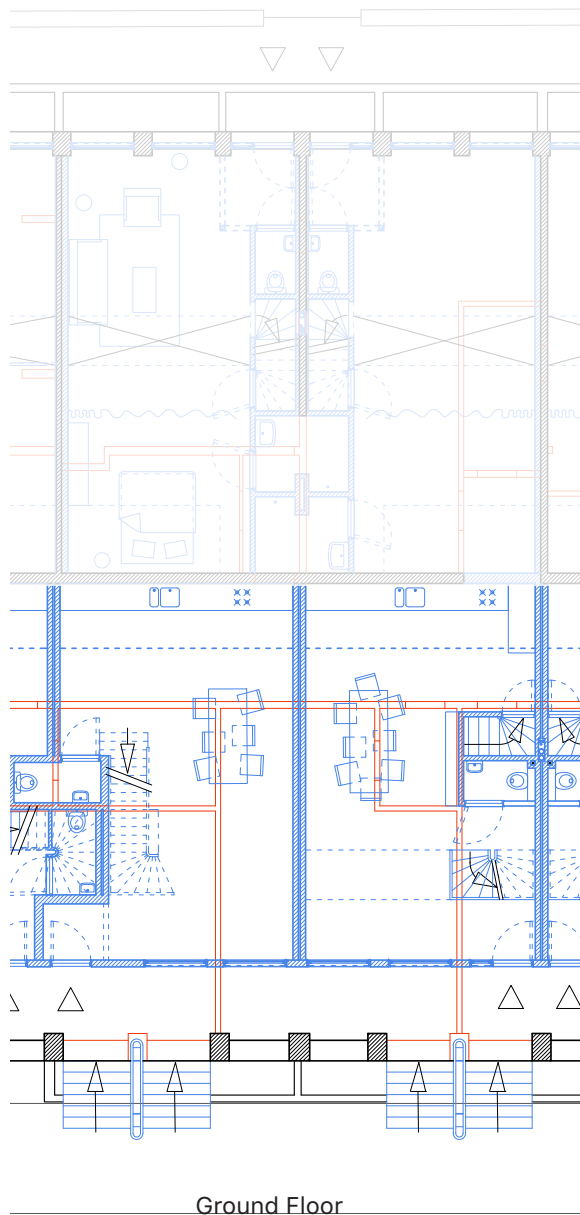
Back-to-back housing

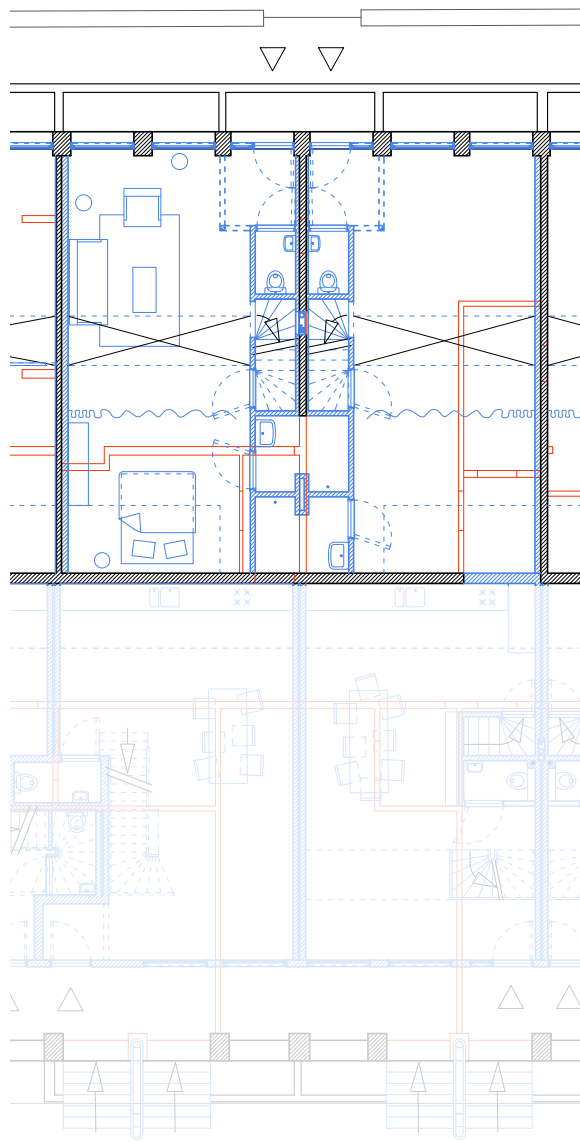


Ground floor

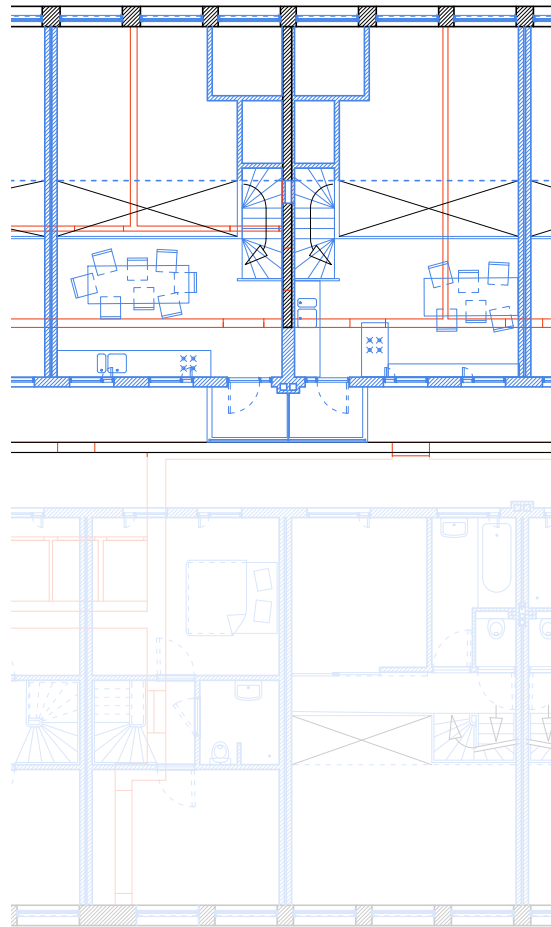




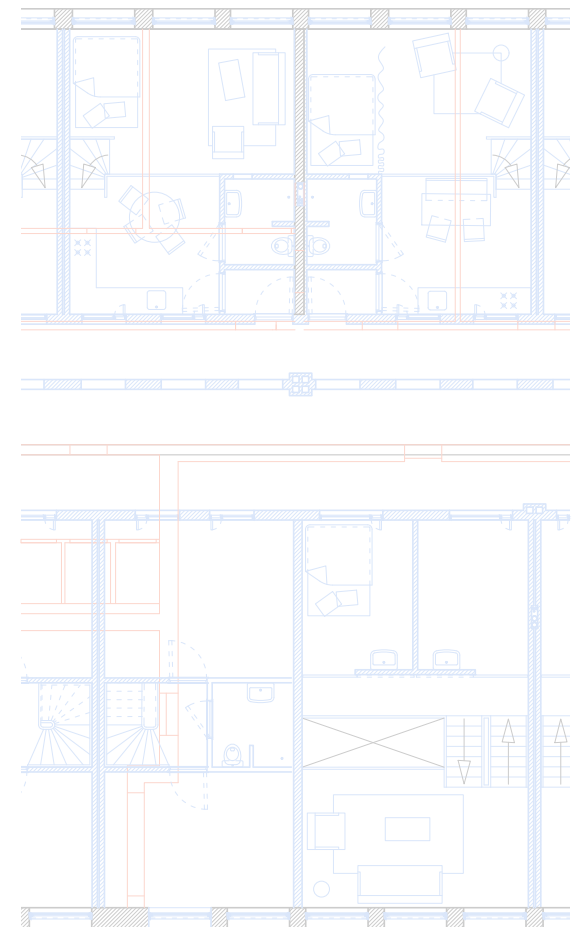




Ground Floor

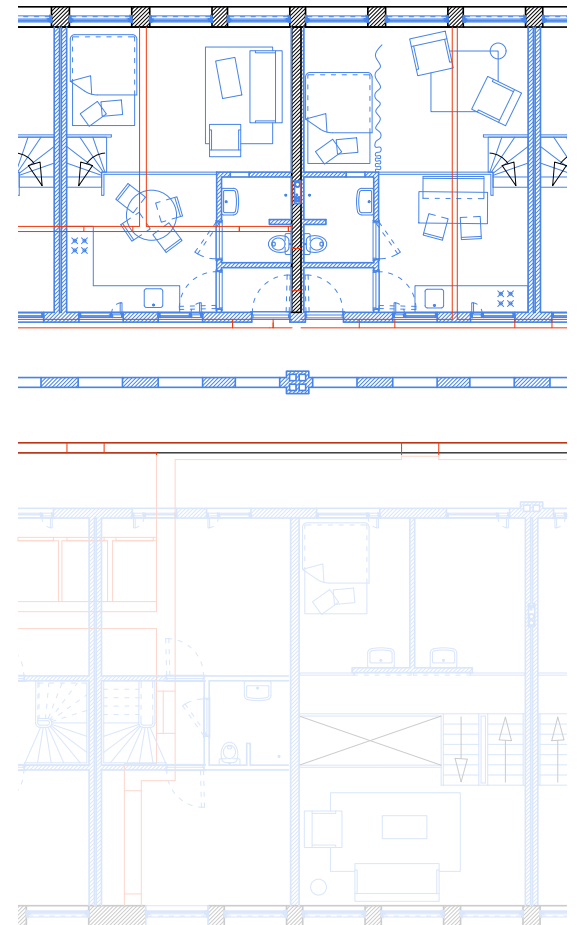
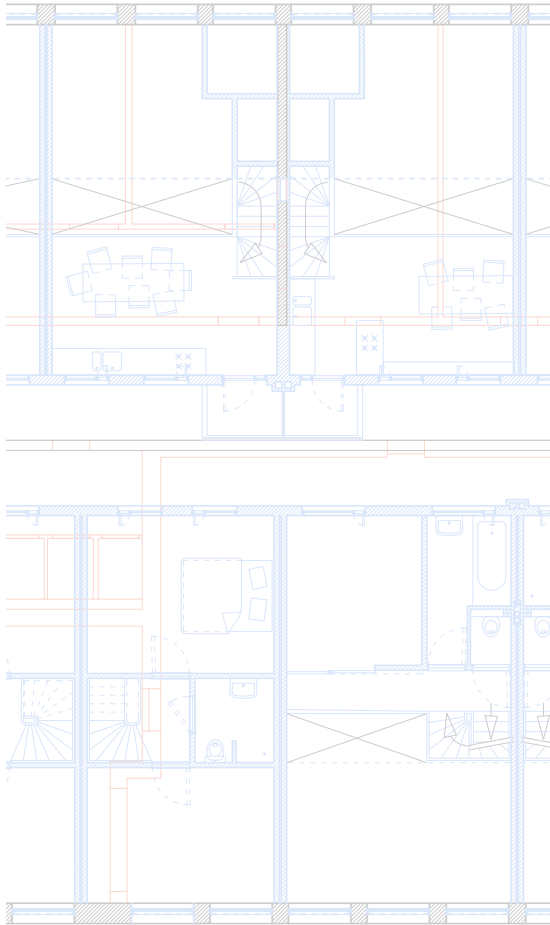
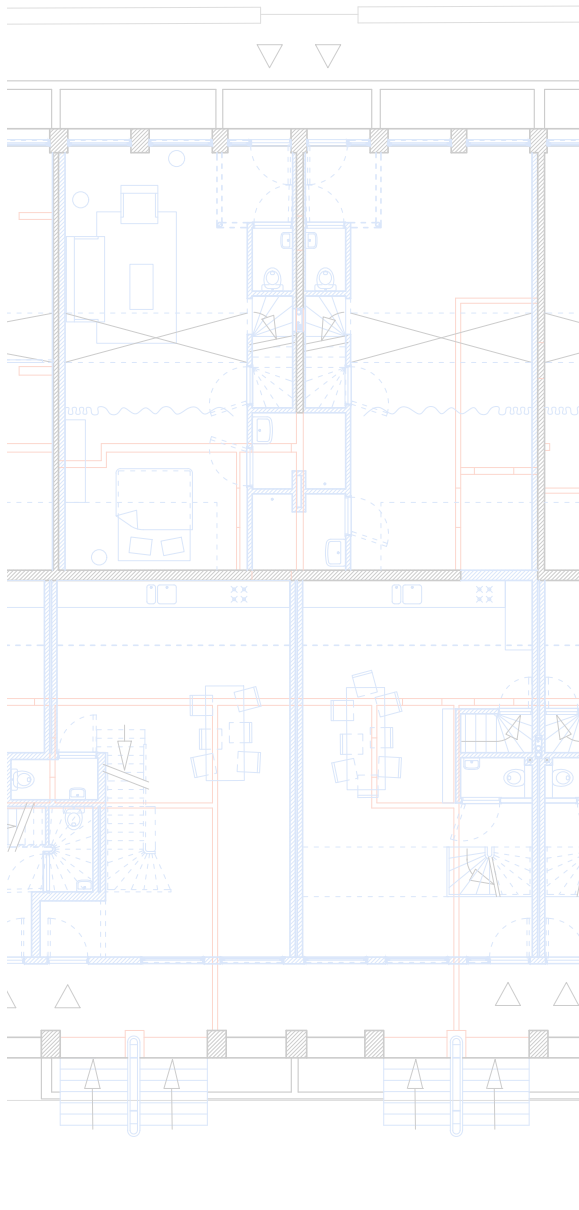


+1



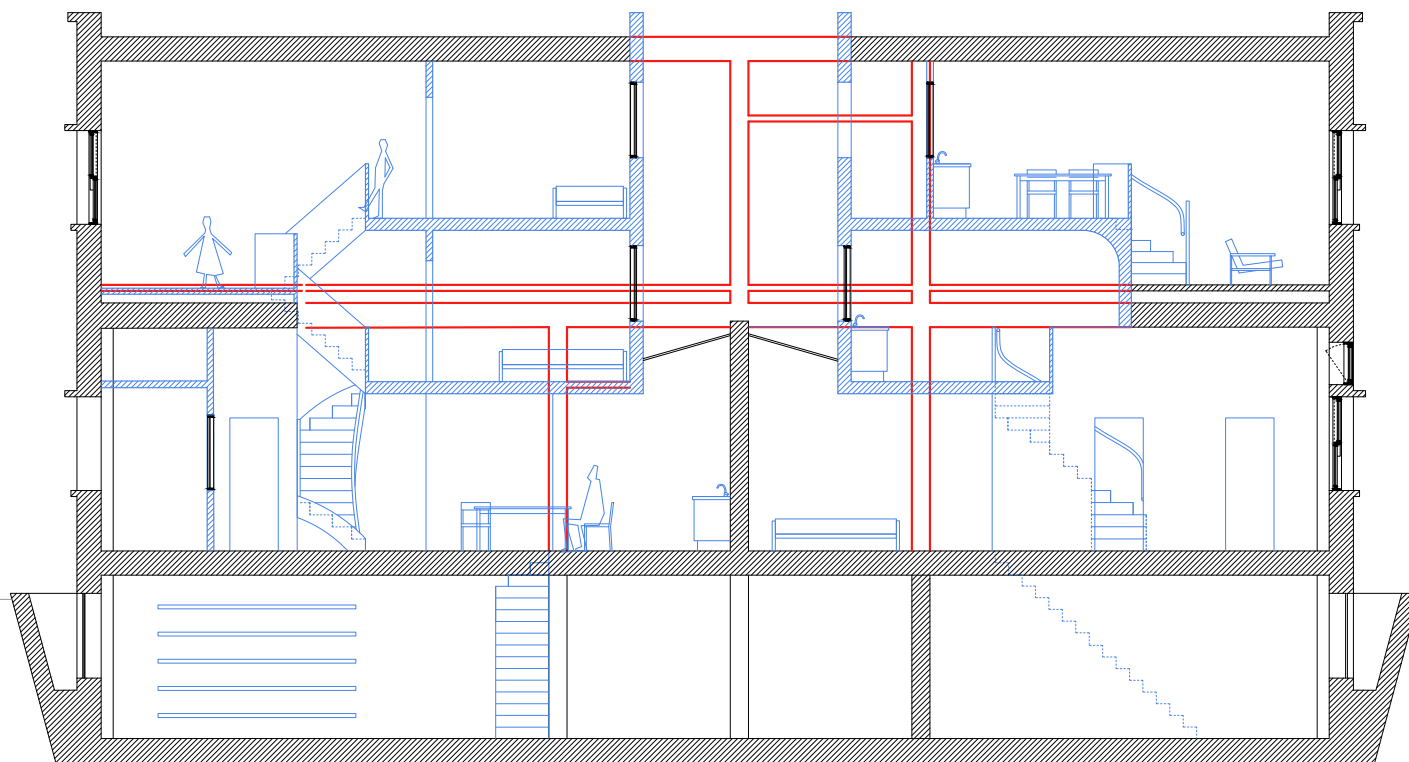
Duplex

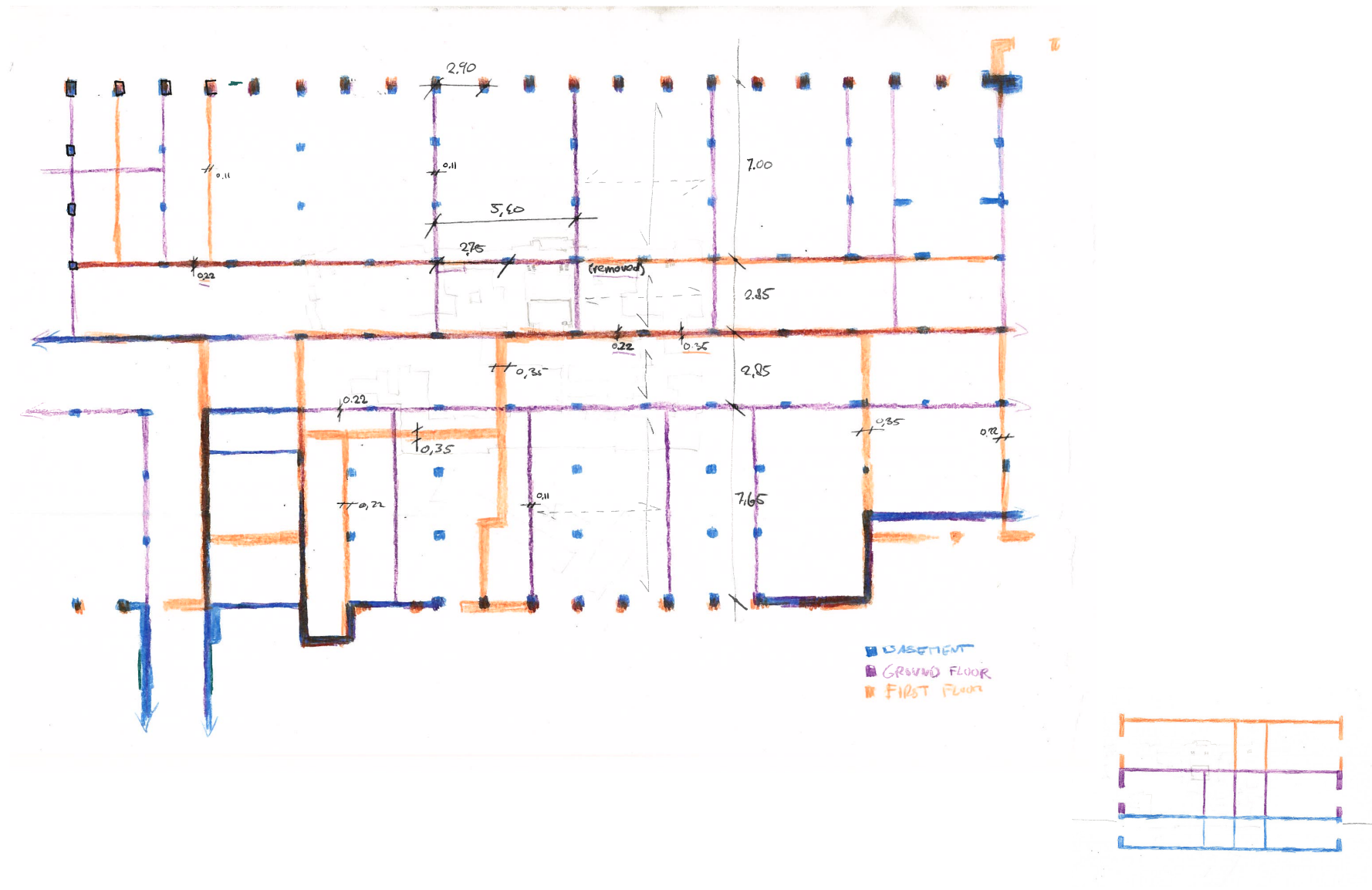




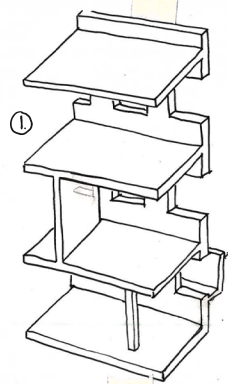
+2



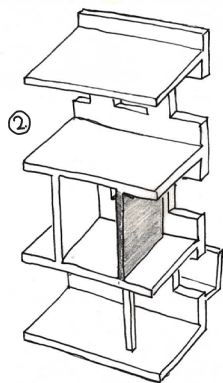




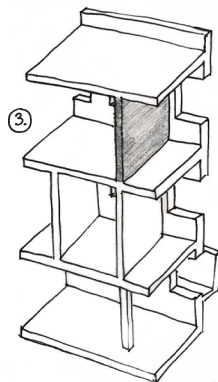
Overlaid structural grid



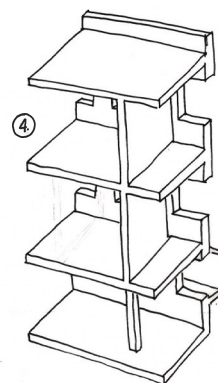
Existing



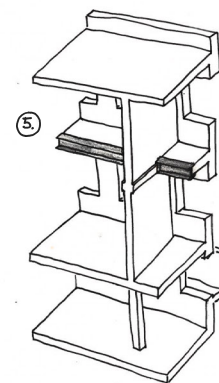
New wall
ground floor



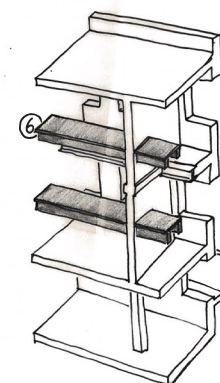
New wall
second floor



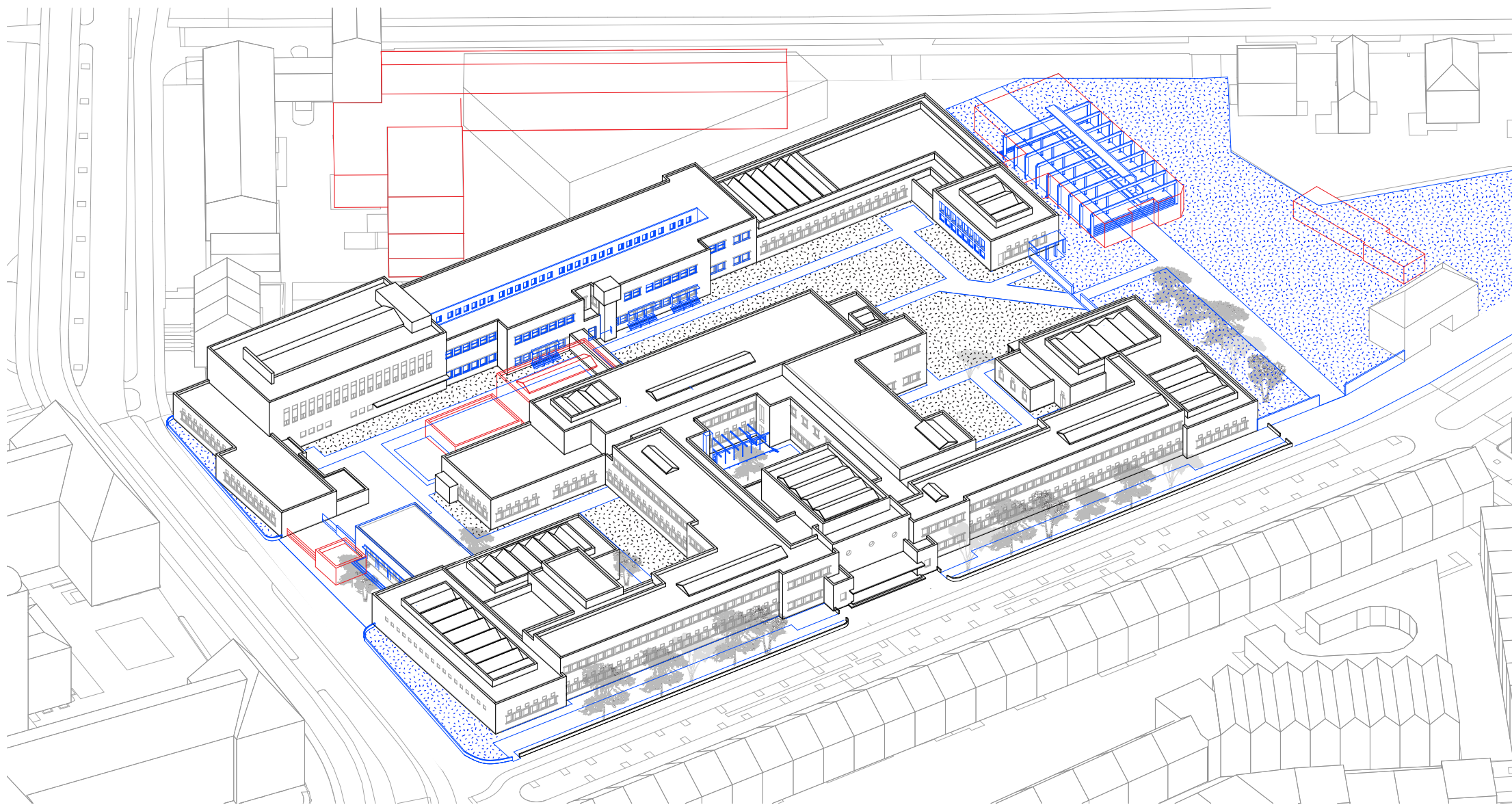
Removal wall
ground floor

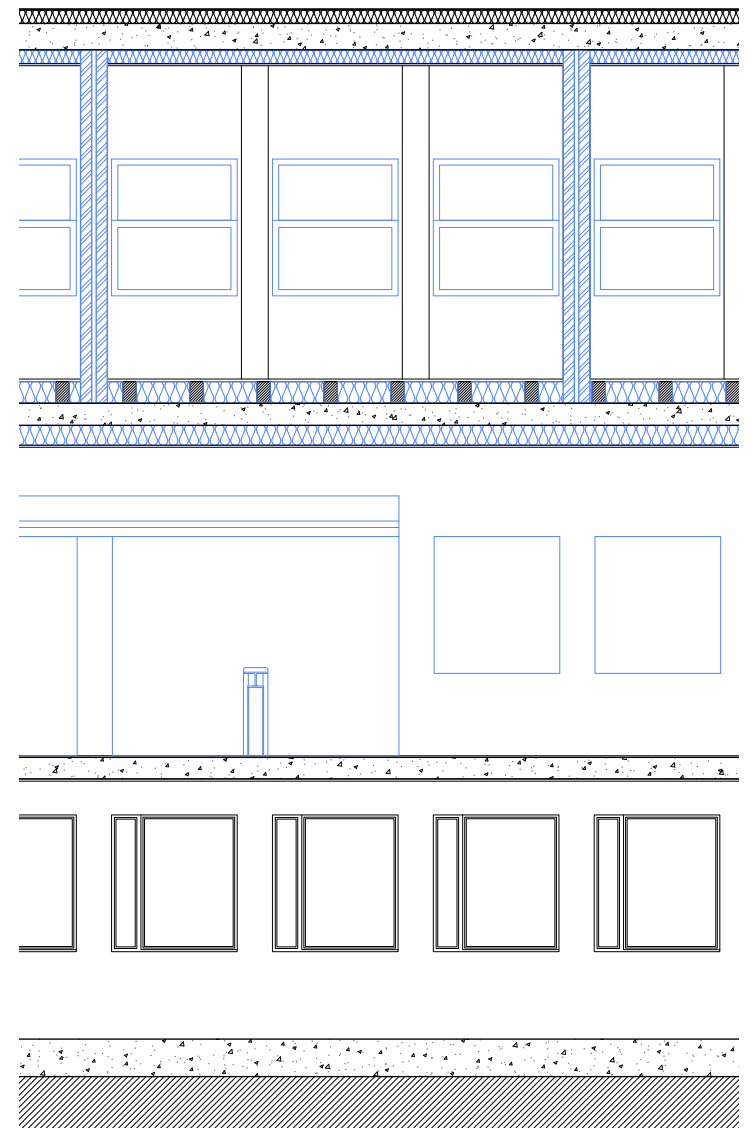
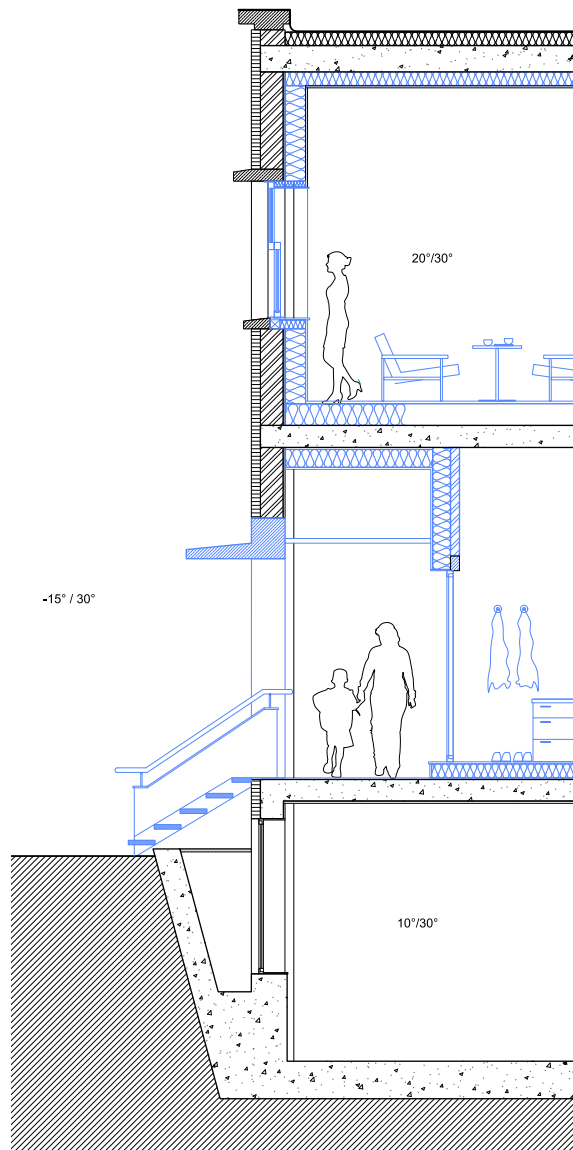
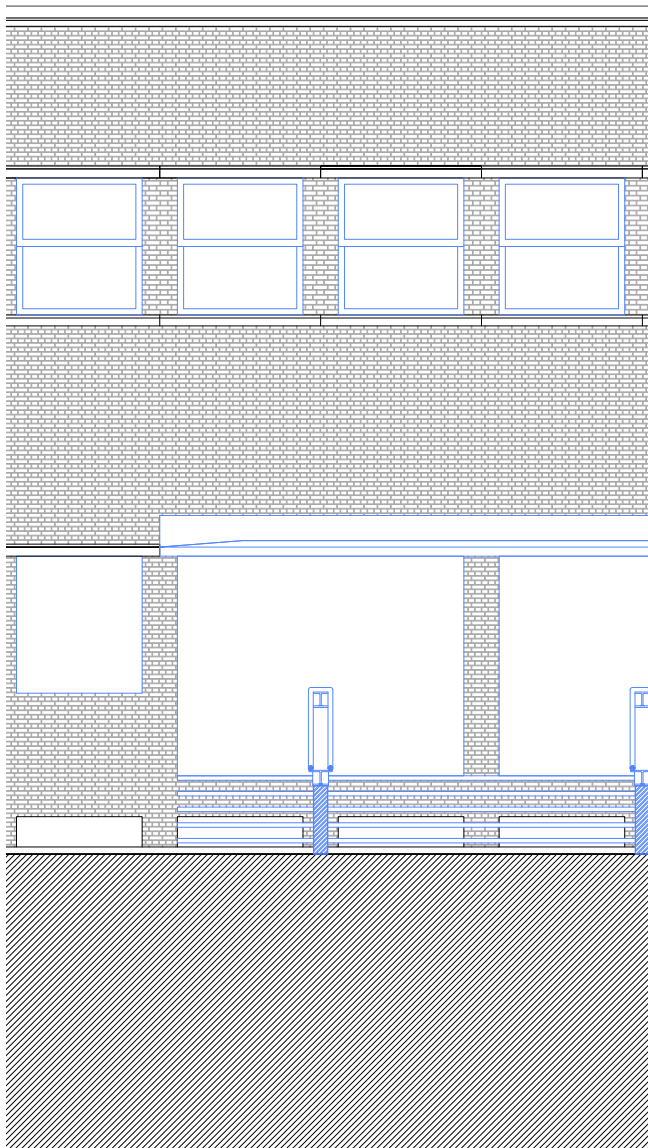


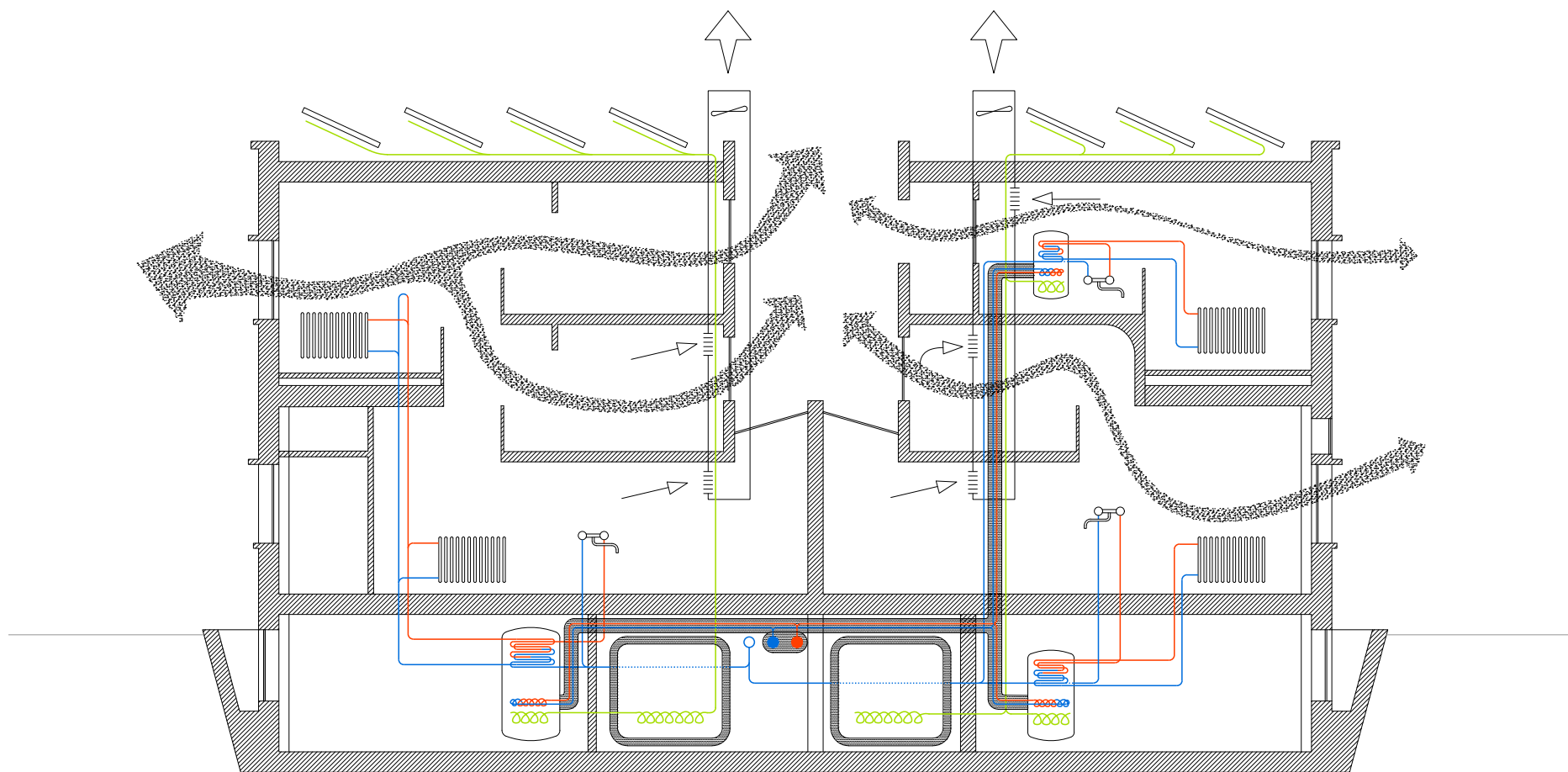
New beam

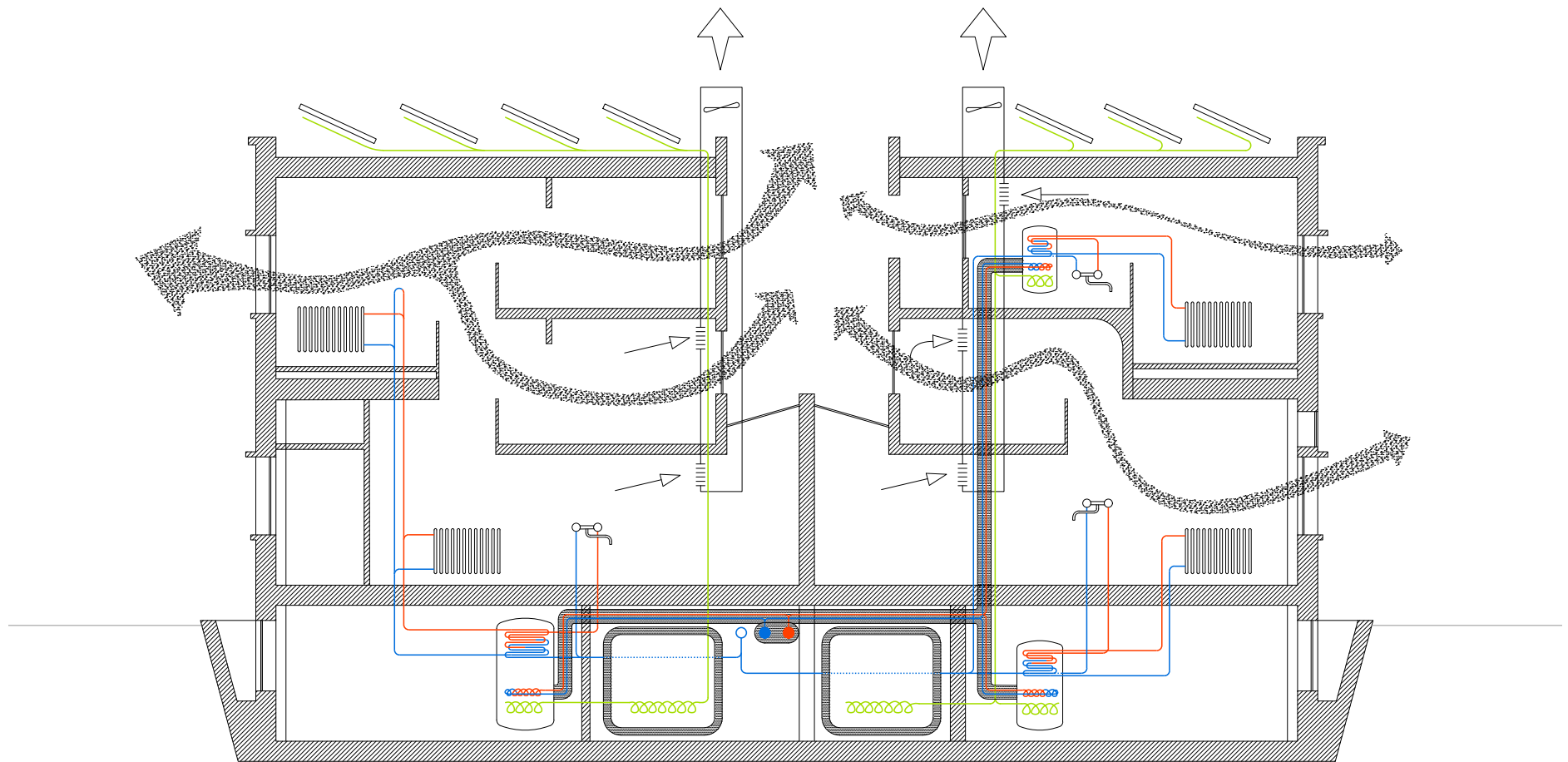


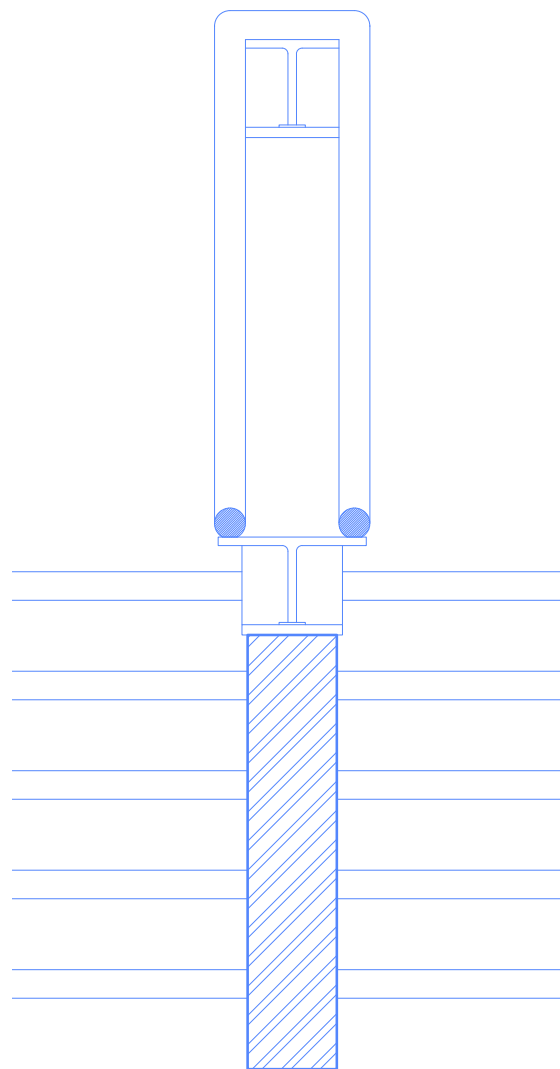
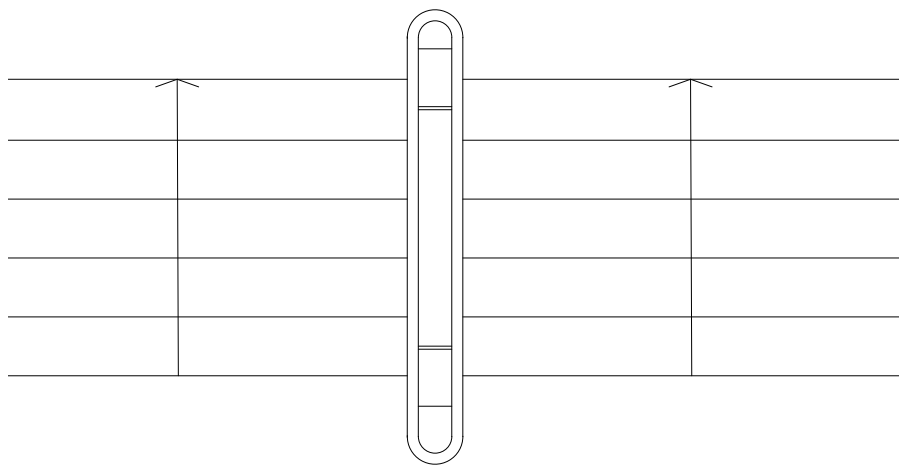
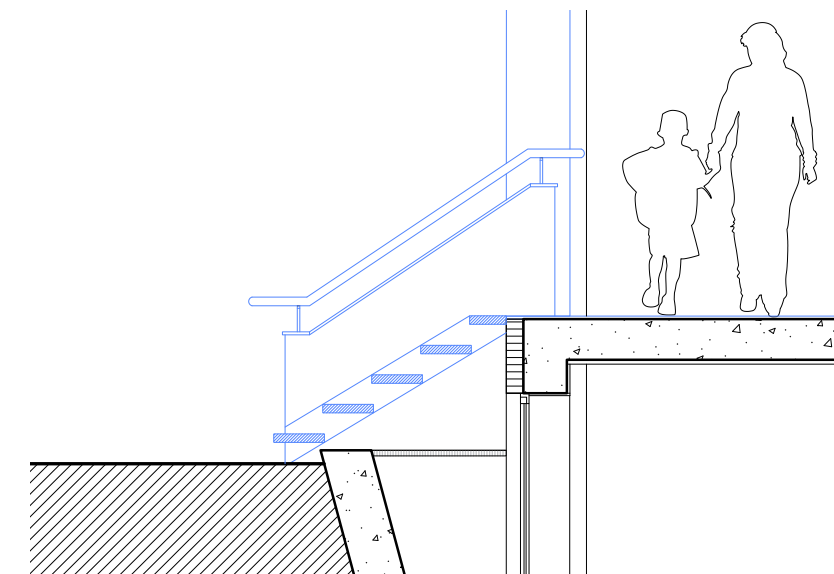
New floor

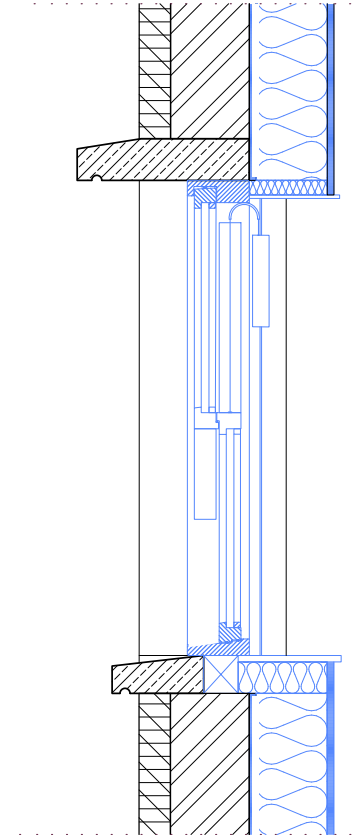
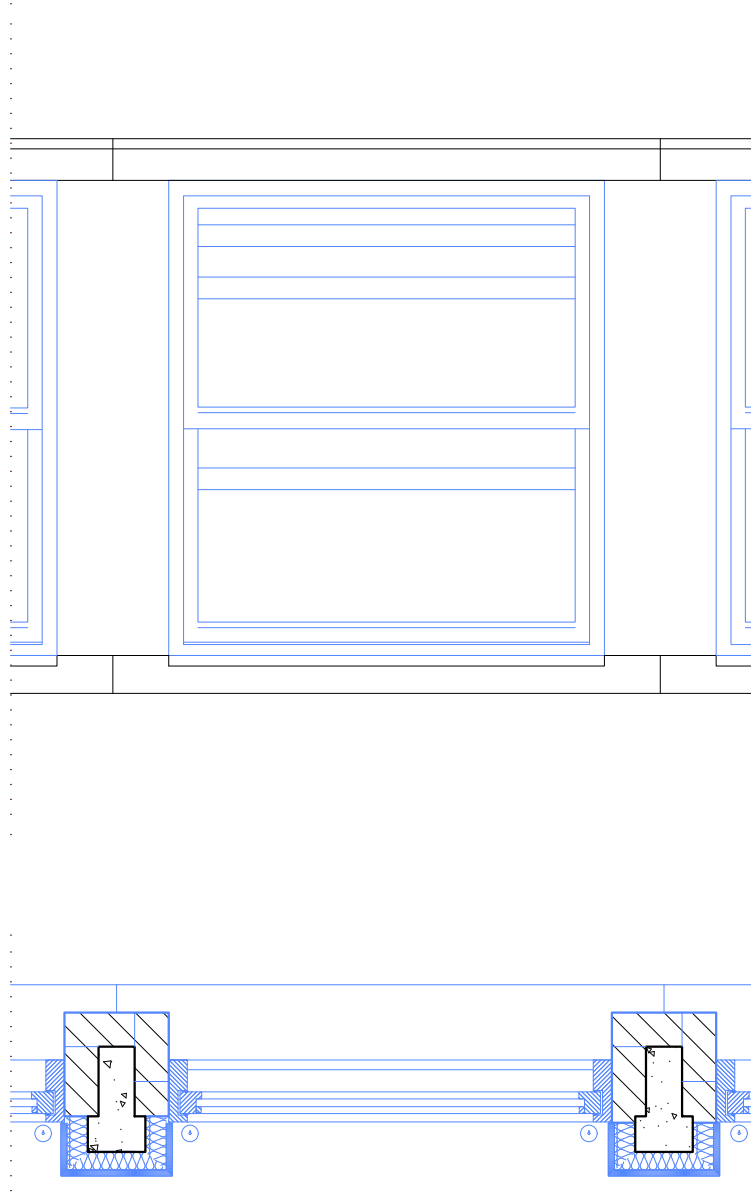
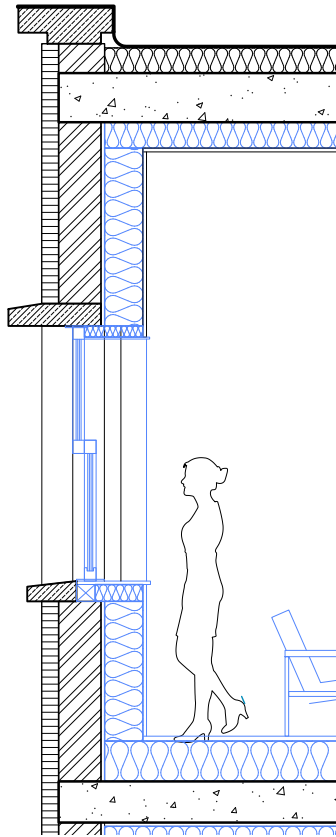




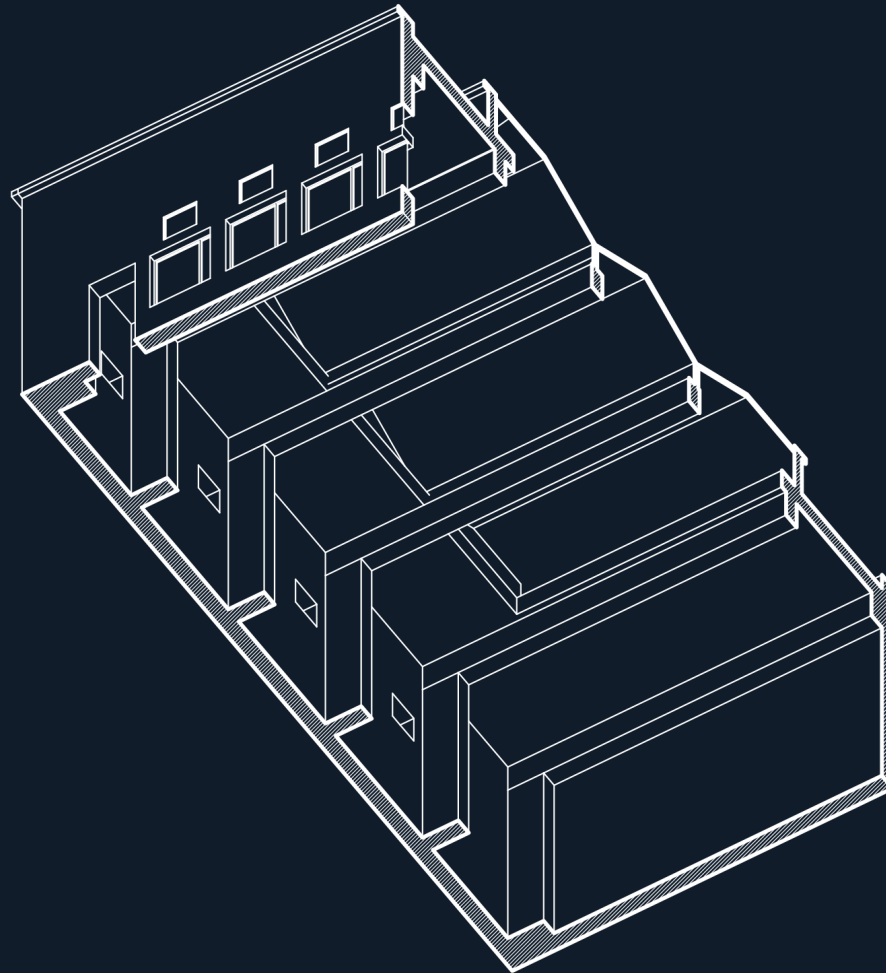




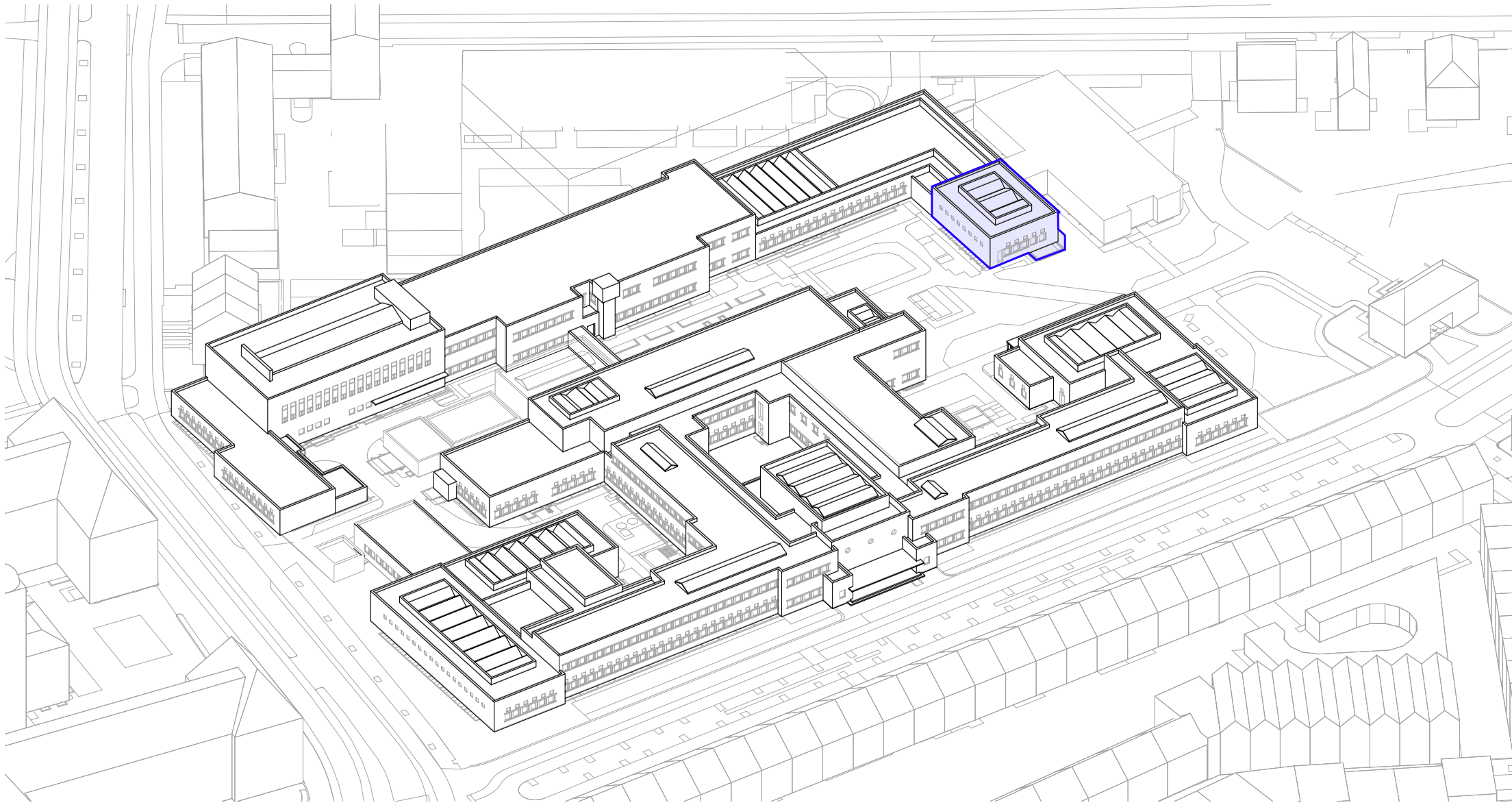


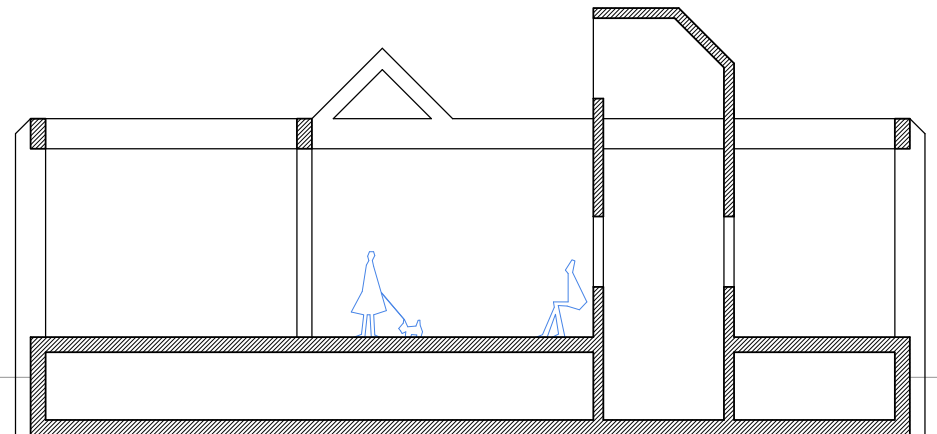
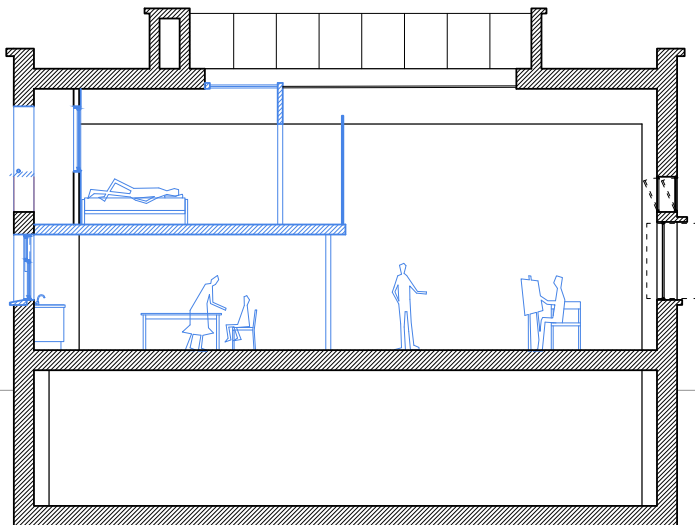
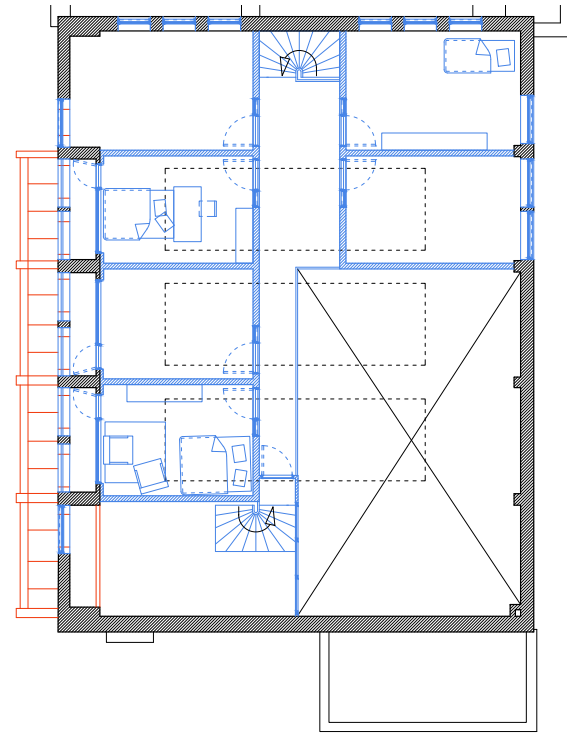
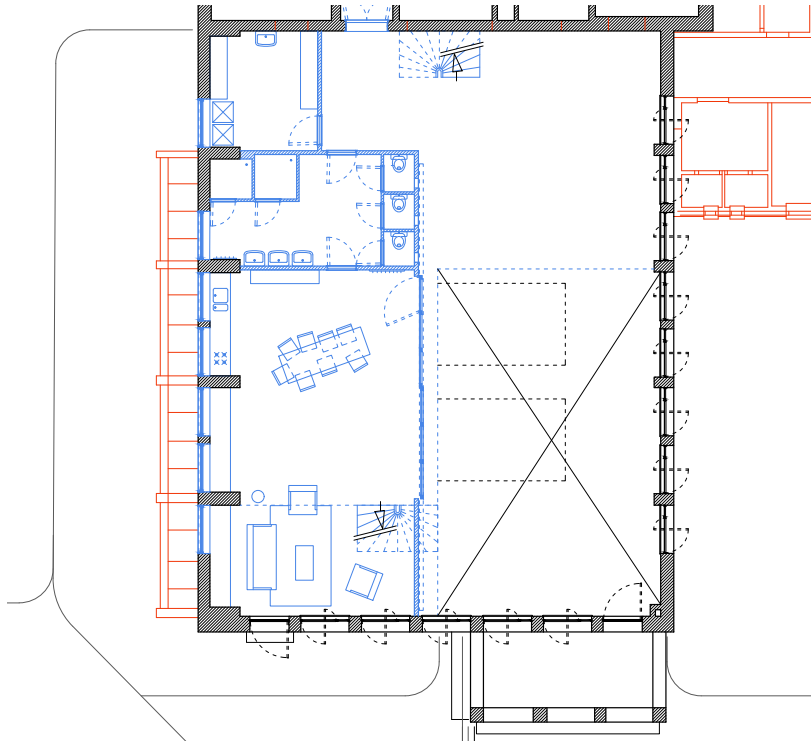


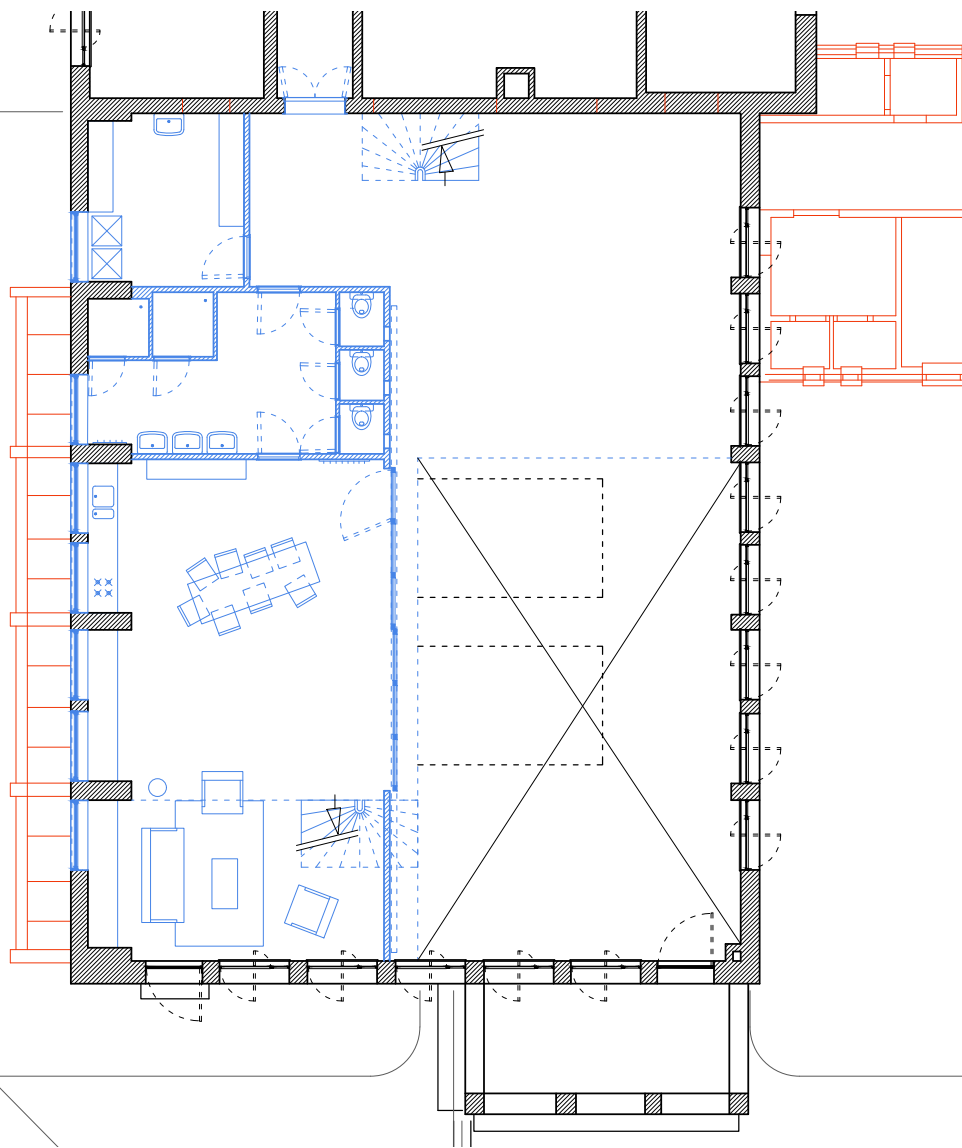




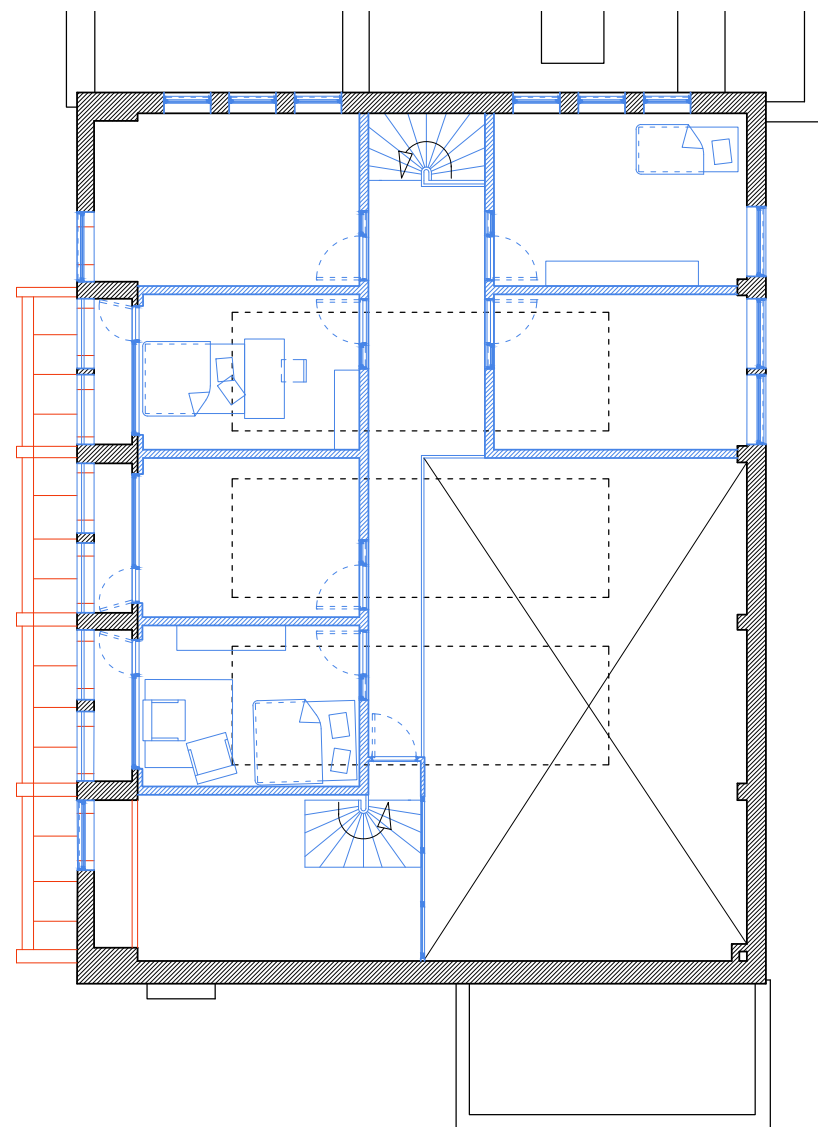
The collective







Groud floor



+1

