

Frieke Oosterheert Urban Architecture - Last green in town





DSCOVERY

LAST GREEN IN TOWN - JOSAPHAT FRICHE



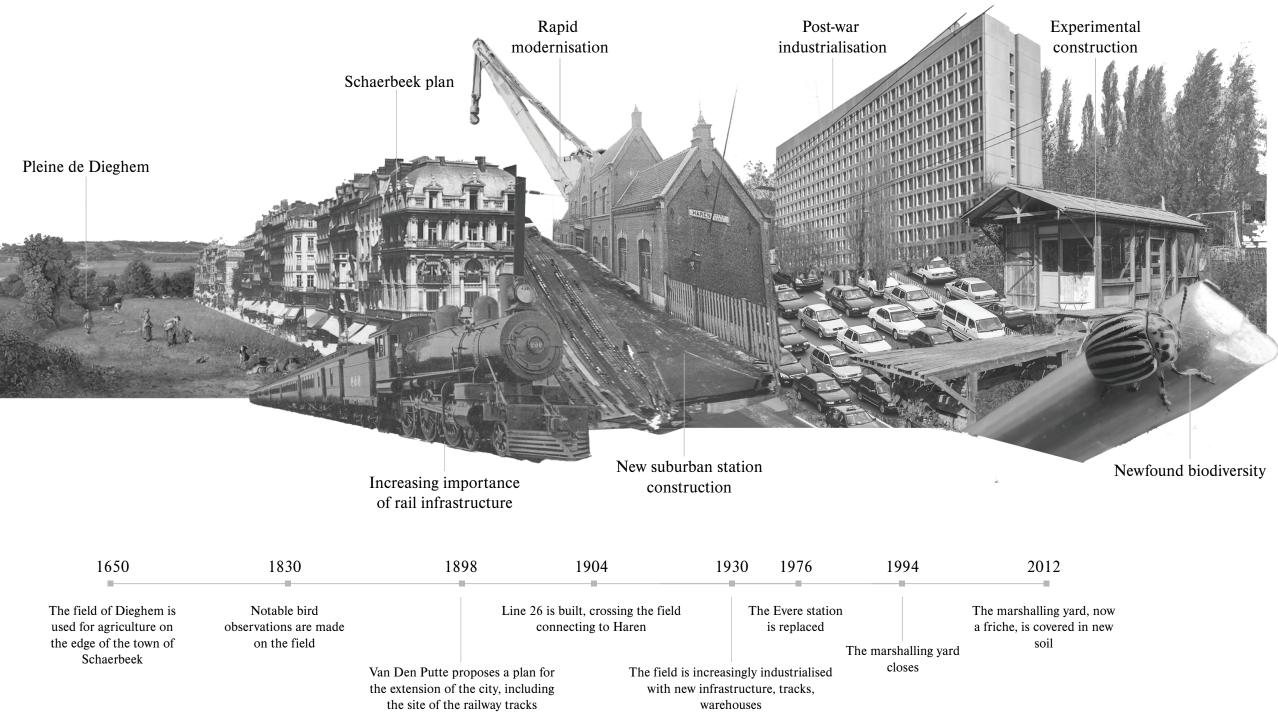
LAST GREEN IN TOWN - JOSAPHAT FRICHE



EXPLORATION



JOSAPHAT FRICHE EVOLUTION



FLORA AND FAUNA ON THE FRICHE























PLANNED VS UNPLANNED



MAGNATON

VISION FOR THE FRICHE

friche



border of friche emphæisof urban mæterplan

project location transition zone urban green (La Friche) & new neighbourhood

new neighbourhood

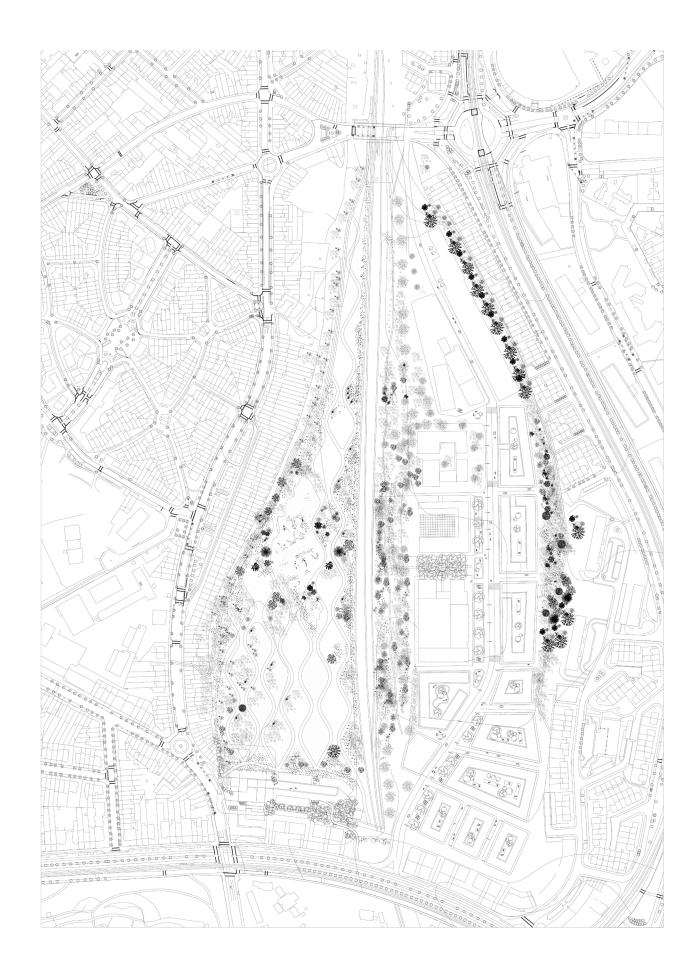
connection & border train - to the rest of Brussels boulevard - between urban green & new neighbourhood

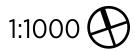


PROGRAM

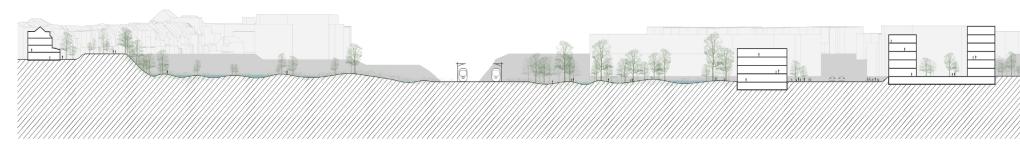


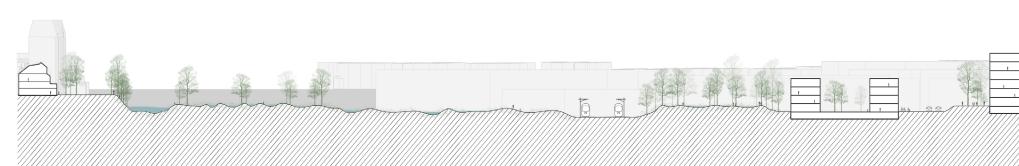
FINAL MASTERPLAN

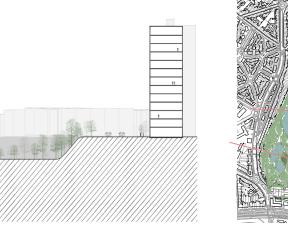




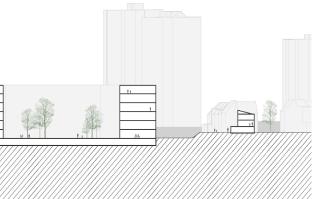
MASTERPLAN SECTIONS











1:1000

IMAGINING THE PROGRAMME

Investigate what the role of architecture is in connecting people with nature









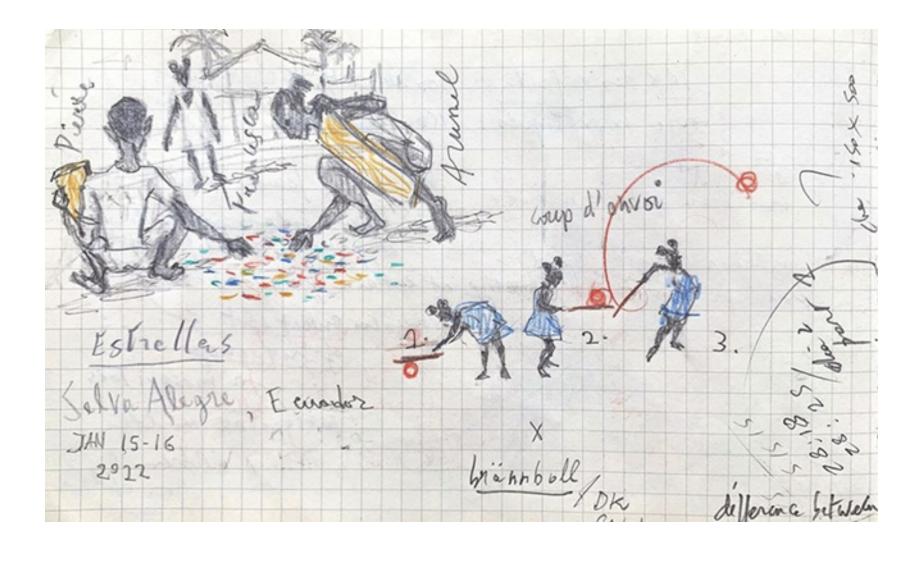




OBSERVATION



PLAY VALUES



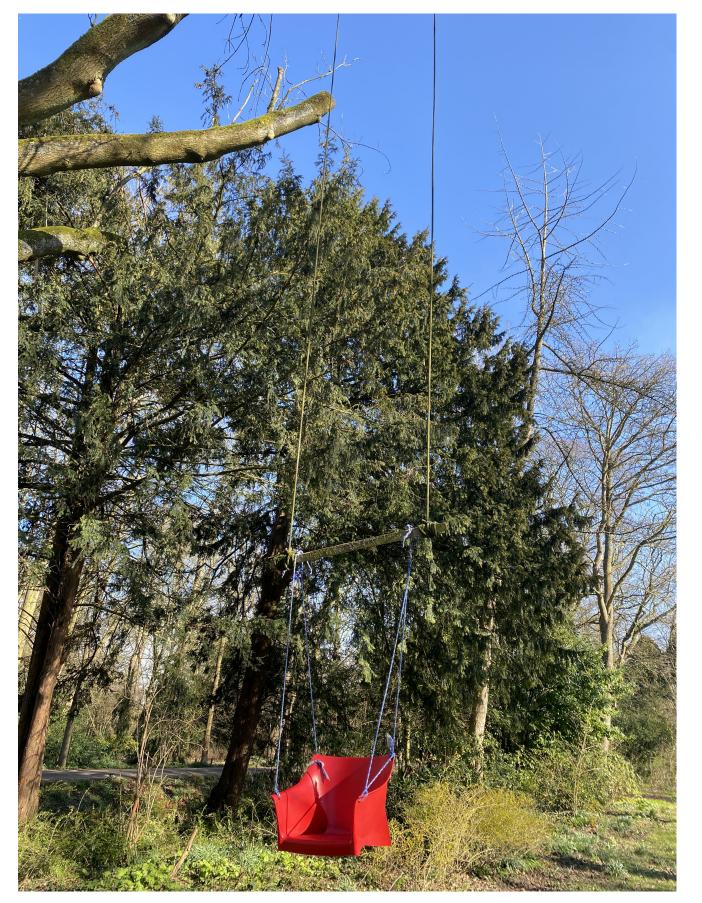




Helping others Group relations Behaving Trusting

"Are there others to play with?" "Observation maximises the inquirer's ability to grasp motives, beliefs, concerns, interests, unconscious behaviours. To see the world as his subject sees it. To live their time frames. To capture the phenomenon in and on its own terms, to grasp the culture in its natural ongoing environment." (Guba, Lincoln, 1918 p. 193)

OBSERVING PLAY OUTDOORS





JEUGDLAND ZANDRAKET, AMSTERDAM

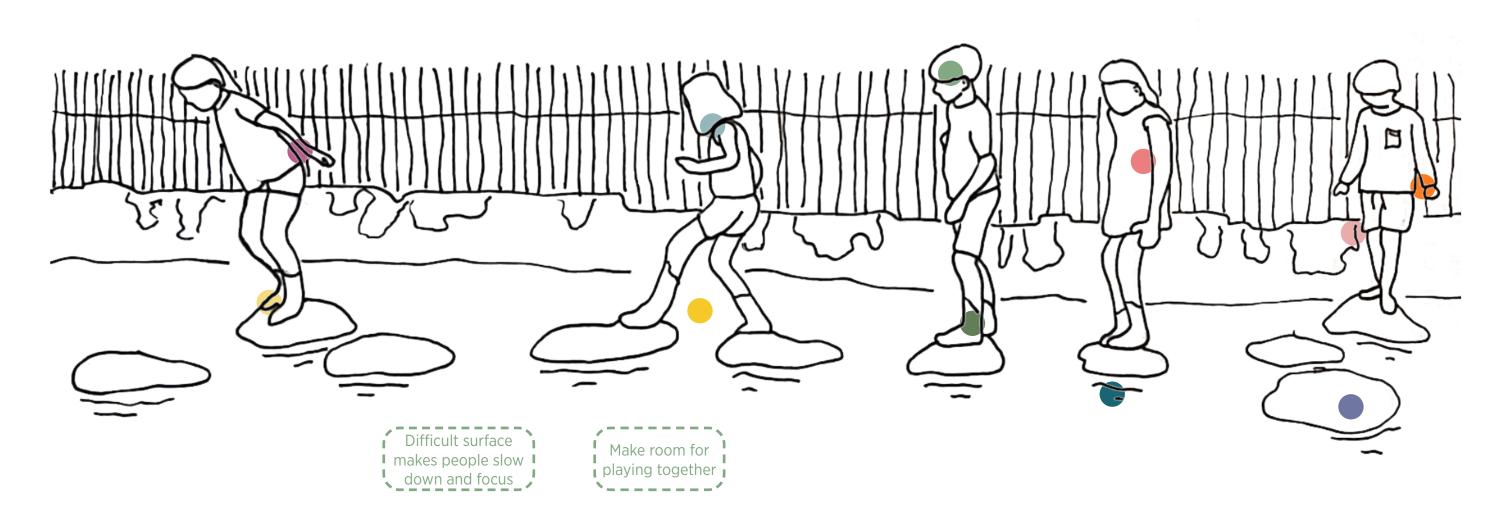
These stepping stones are part of the barefoot path at Jeugdland in Amsterdam. It is an entire trail that children, as well as parents, can walk and clamber over. They can go on adventures while feeling the ground under their feet very well. The wet grass that comes through the toes, the cold mud that the children trudge in up to their knees and eventually over the water over these stones. It does take some balance and concentration not to fall into the water. The different surfaces are observed with full attention and interest. Children and adults can thus discover in a special way the change of climate and thus the ground.

MOTOR

- Assessing how big of a step to take
- Learning to stay balanced
- Careful jumping

SOCIAL







COGNITIVE

• Watching reflection in the water Taking concentrated steps •Getting the feet dirty Recognising risks •Adapting to different surfaces

PARK 'N' PLAY JAJA ARCHITECTS, COPENHAGEN



This playground is on the rooftop of a parking house in the harbour of Copenhagen. With the design of the parking house, the architects wanted to introduce a new scale where the architecture invites people onto the rooftop. A large staircase in the facade invites people to take a trip to the rooftop, play and ejoy the view on the harbour. From street level, the railing literally takes the visitors by the hand, while it transforms to becoming swings, ball cages, jungle gyms and more. The variety of playelements and seating areas creates a connection between the different users. Playing together in a safe bordered space, or being the observer and watching others.

MOTOR

•Variety of routes, running around 🔴 •Climbing different objects • Swinging, rocking, turning

SOCIAL Observing others Playing together • Helping others climb up •Hang, chill spaces for interaction • Safe, letting children play alone 🛑

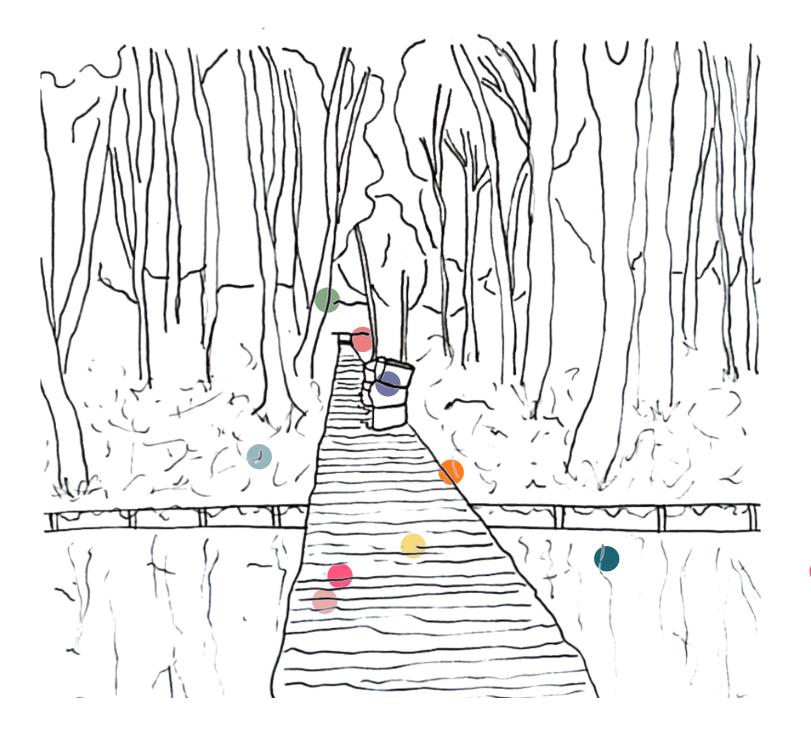


COGNITIVE Railing as recognizable element • Being on a rooftop, experiencing weather differently •Choosing different paths View over the harbour Bordered off space, feeling safe



WOODEN BRIDGE DE TEMPEL, ROTTERDAM

On the estate 'De Tempel' in Rotterdam, there is a bridge made of wooden slats that lets the walker stroll just above the ground. The bridge appears self-assembled and therefore sometimes makes it difficult to walk on. The walker therefore has to pay just a little more attention to walking, creating a pace at which nature can be observed.



MOTOR

- Slowing down by uneven wooden slats 🦳
- Keeping balance without railing





SOCIAL

- Respecting the peace in the estate
- Crossing others on the bridge •Holding hands to stay balanced







COGNITIVE

• Observing nature from above •Touching the tree bark Creative play with chopped wood •Seeing reflection in the water





SCHOOLGARDEN ESSENBURGSINGEL, ROTTERDAM

Along the Essenburgsingel in Rotterdam, a specific area is created where children can work in the garden and participate in outdoor classes. Garden workers organize a programme where school chi.ldren are welcome to learn more about healthy food produce. The children first learn theory indoors, whereafter they translate this new knowledge in practical experience. Being outdoors, hearing the bees, seeing worms in the soil, getting the hands dirty. The outdoor classes try to cultivate children's love for learning where they are in direct contact with nature and where they can experience their own influence on the natural environment.

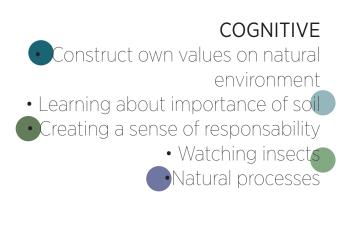


MOTOR

- Bending down • Harvesting vegetables Sowing seeds
- Digging, raking, shoveling
- •Walking carefully along plants

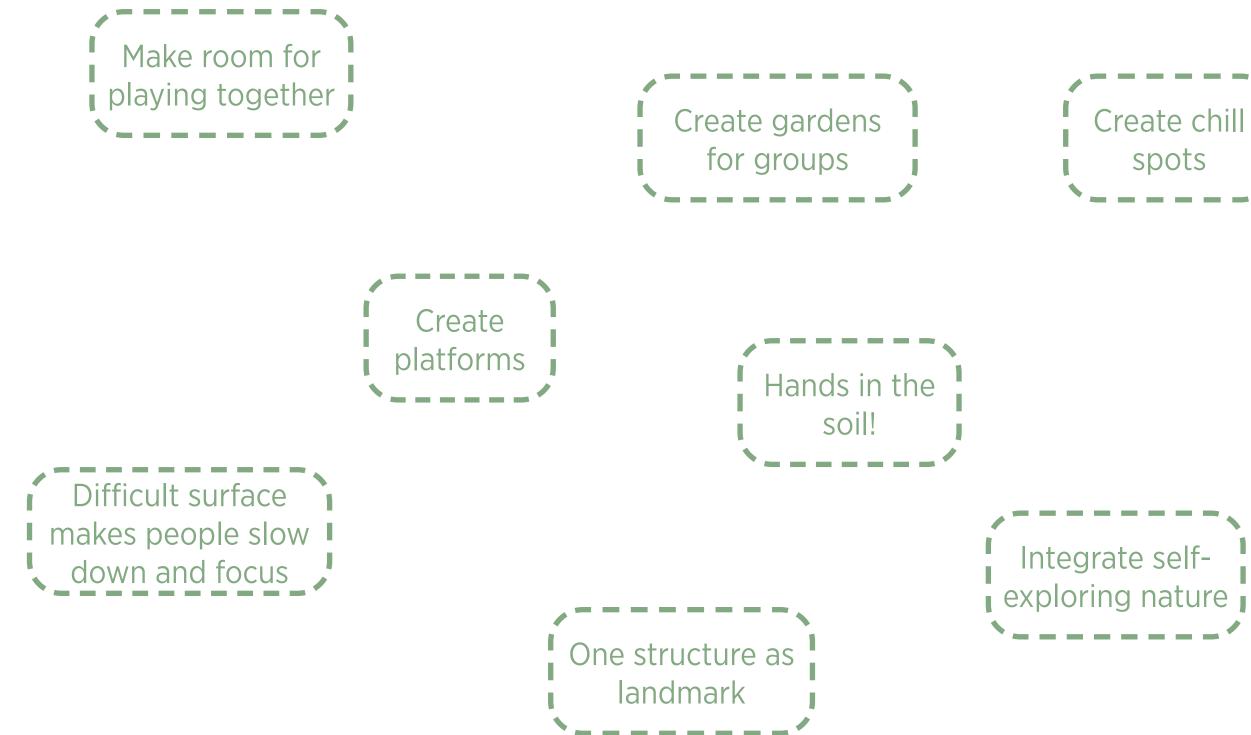
SOCIAL

- Helping others
- Getting the hands dirty together
- Connecting with nature
- Food produce



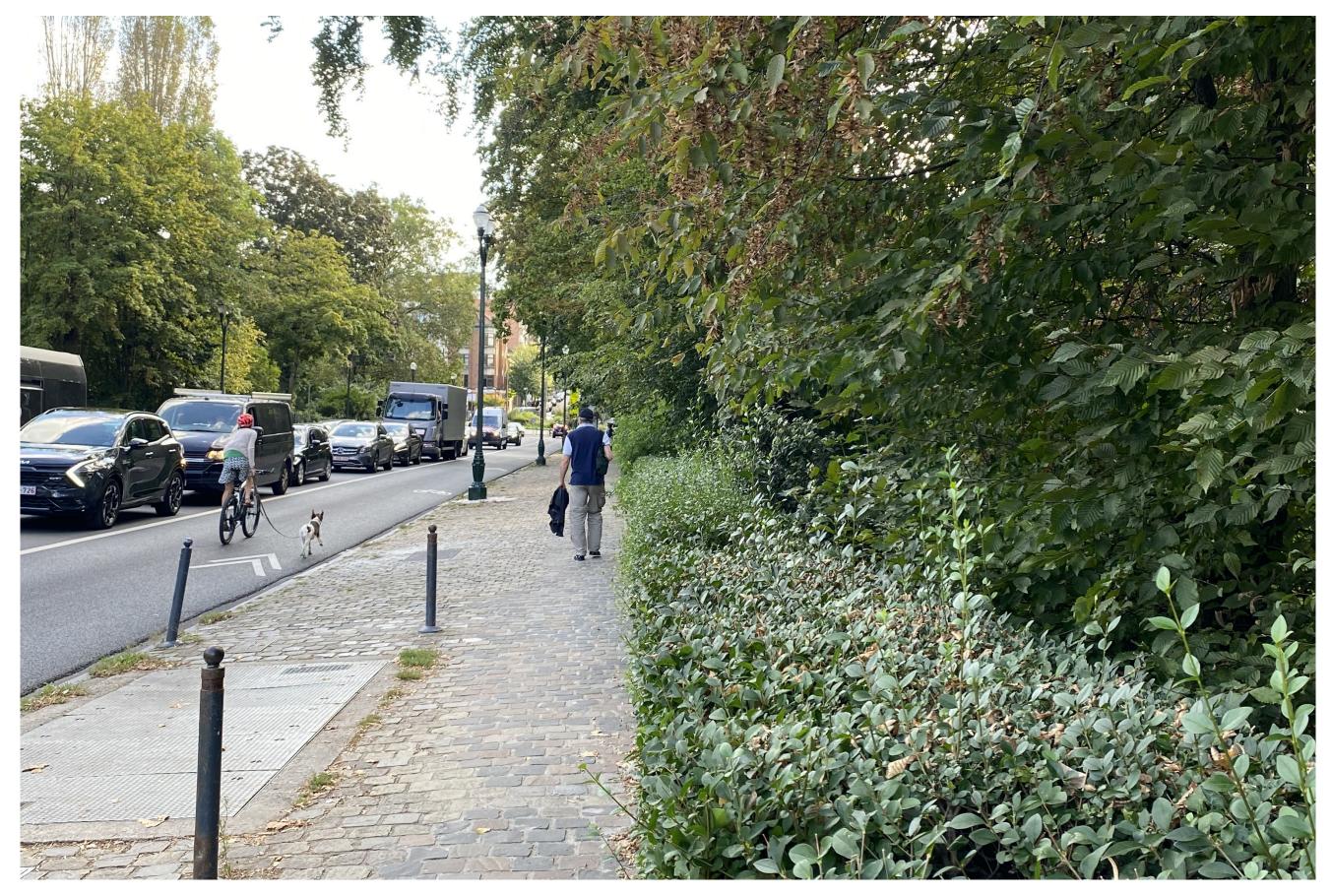


RESULTS, WHAT HAVE I GAINED?





CHOOSING THE LOCATION



Intersection between nature and the city

REUSE



Generaal Wahislaan 16F

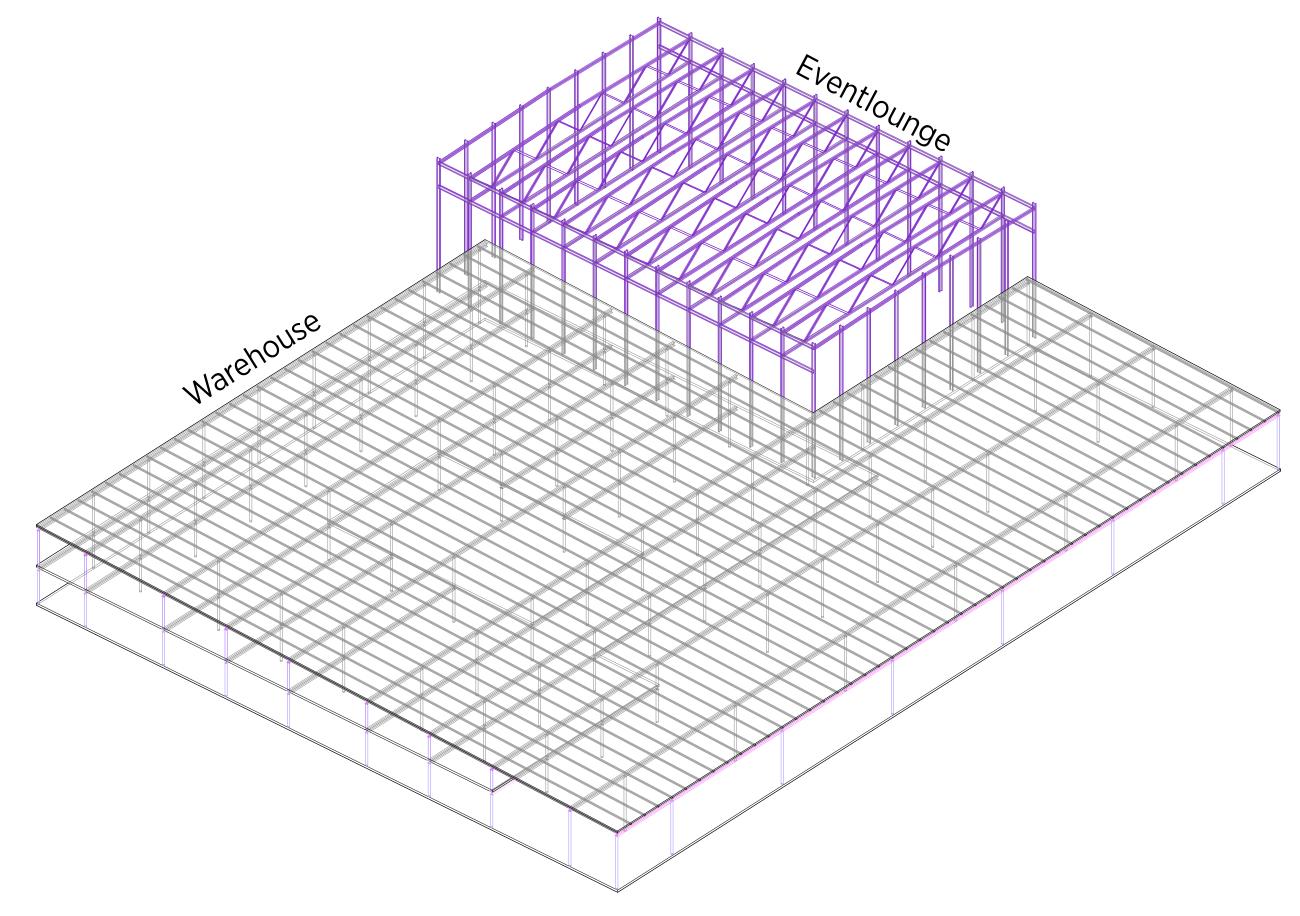
REUSE STRATEGY



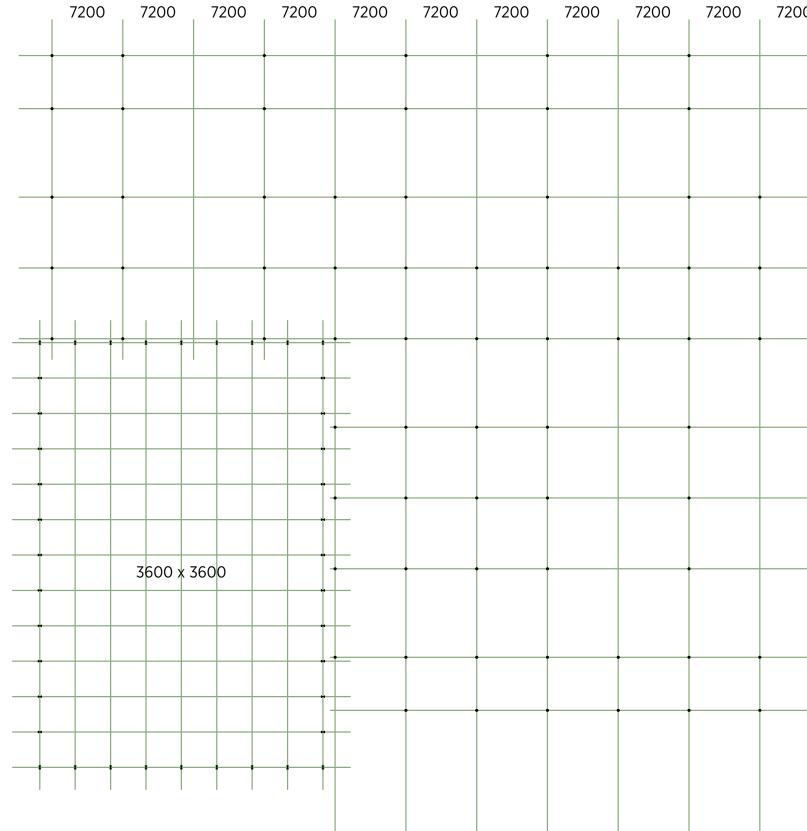




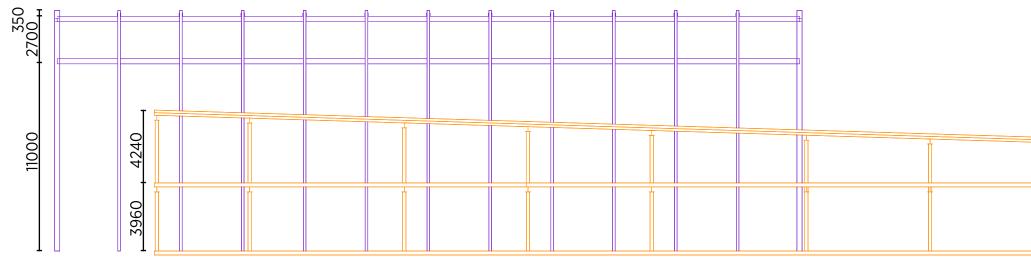
Site visit



Axo structure to keep



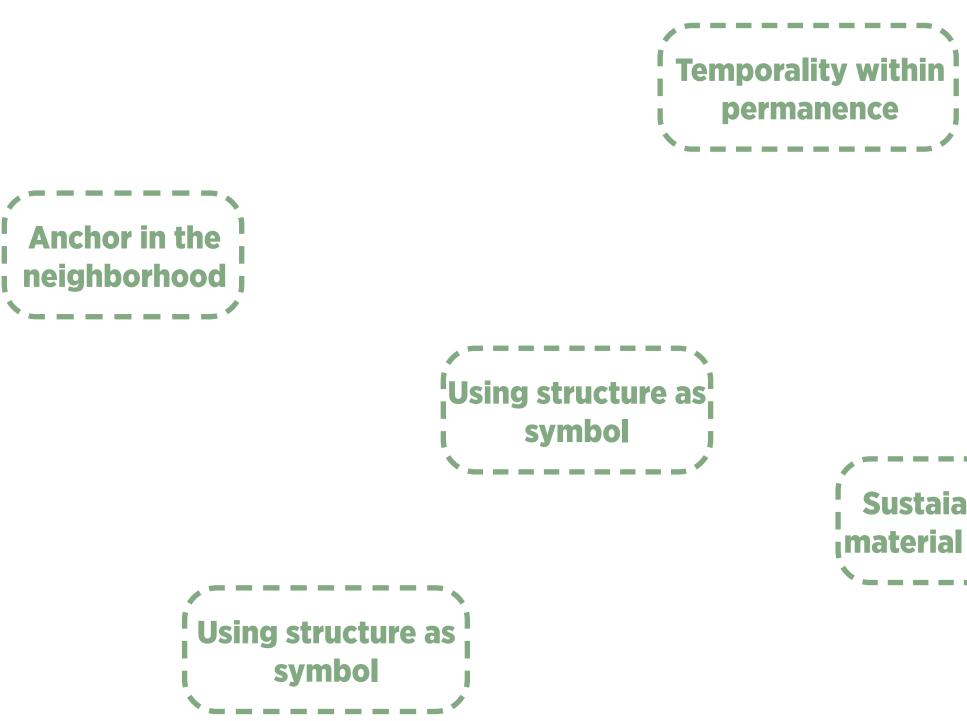
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Section structure

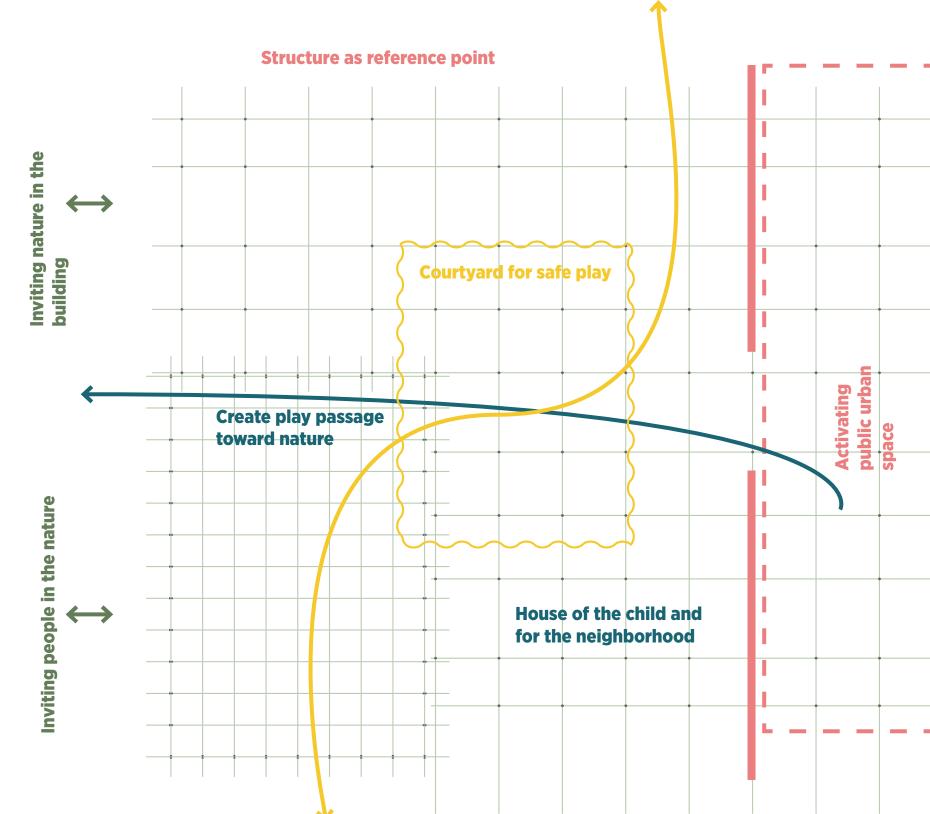
VALUE OF REUSE EXISTING BUILDING

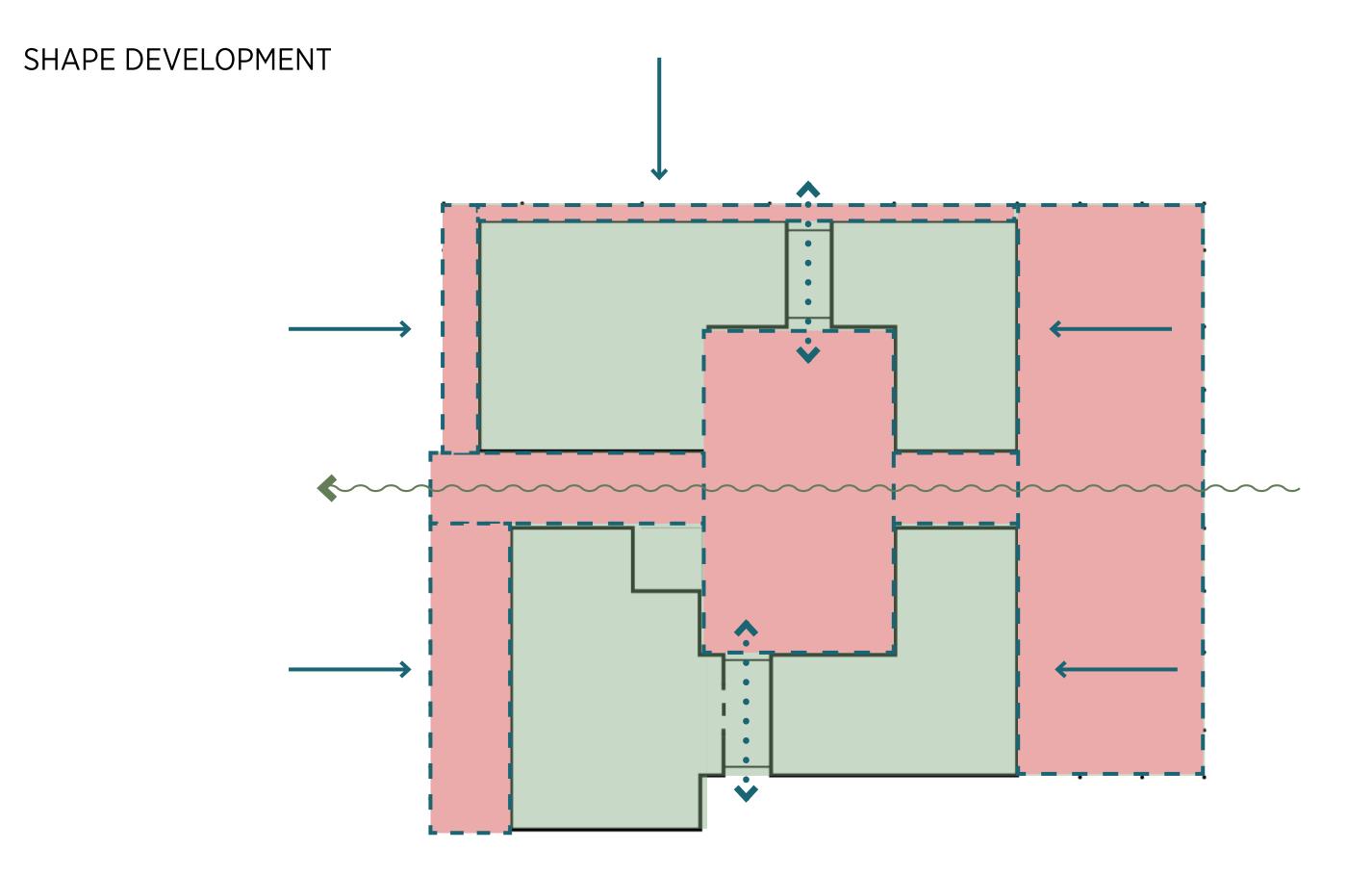


Sustaianble material reuse

DESIGN

DESIGN VISION





PROGRAM LAYOUT



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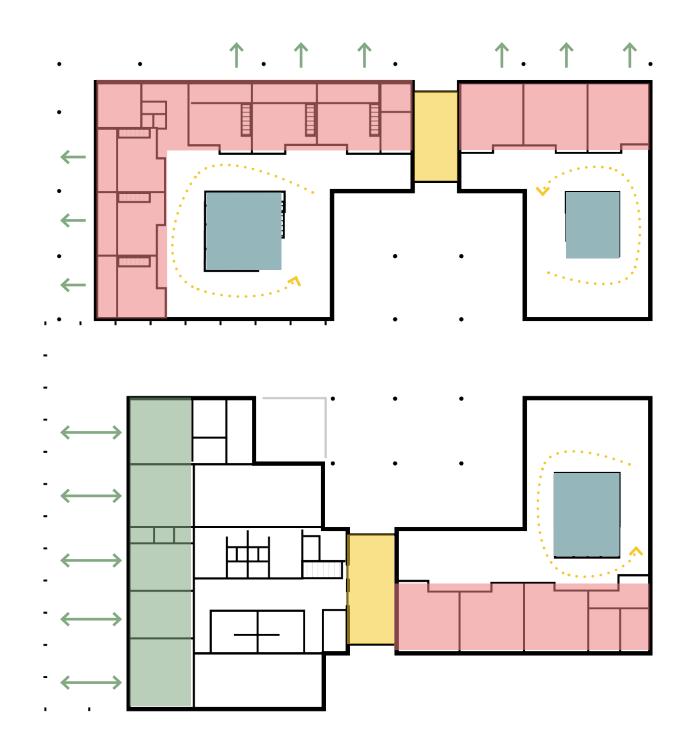
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LAYOUT CONCEPT FLOORPLAN



Ground floor scheme

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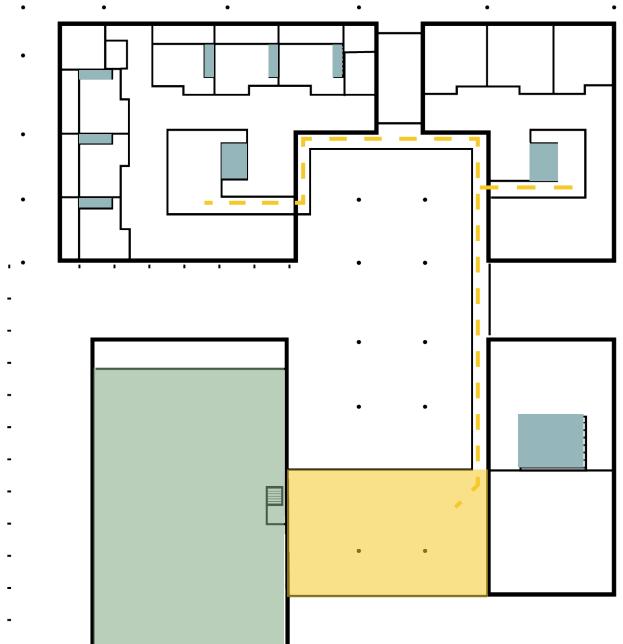
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LAYOUT CONCEPT FLOORPLAN



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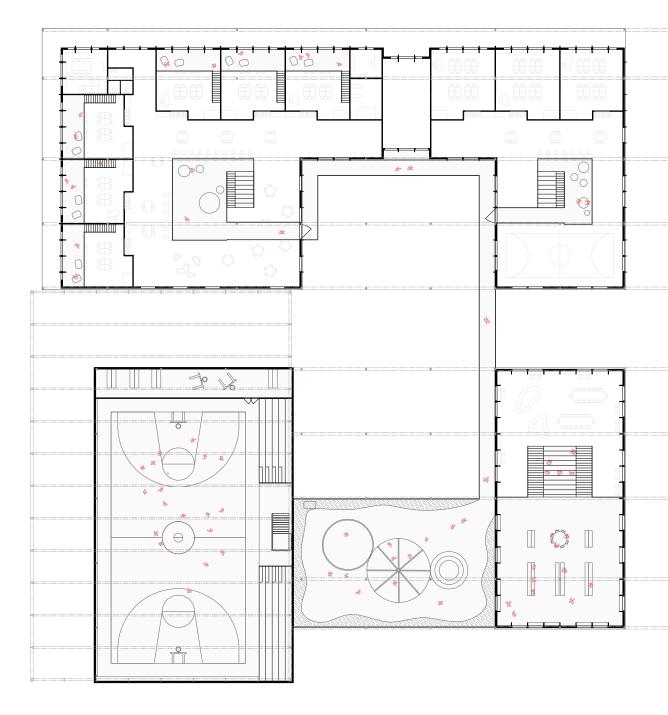
1st Floor scheme

GROUND FLOOR FLOORPLAN



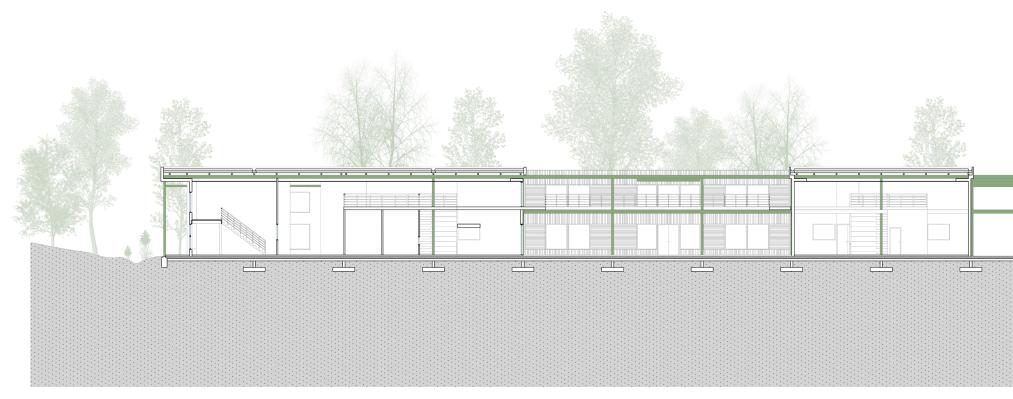
+1000 section 1:200

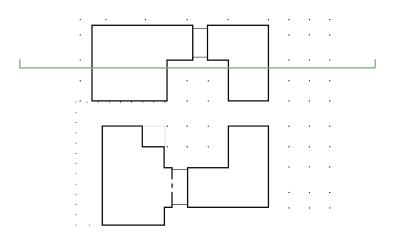
1ST FLOOR FLOORPLAN



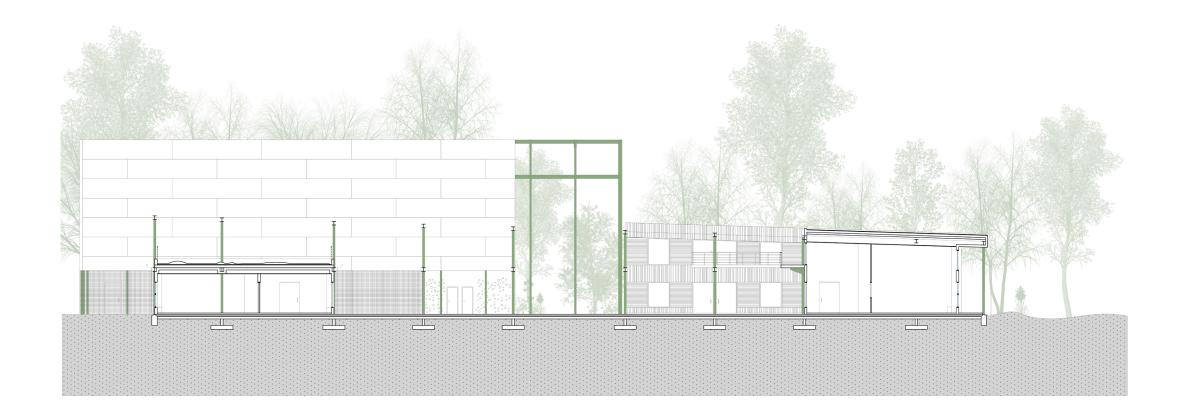


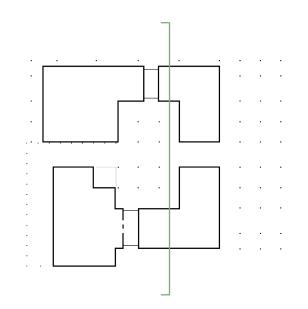
SECTION SCHOOL





SECTION CULTURE + SCHOOL

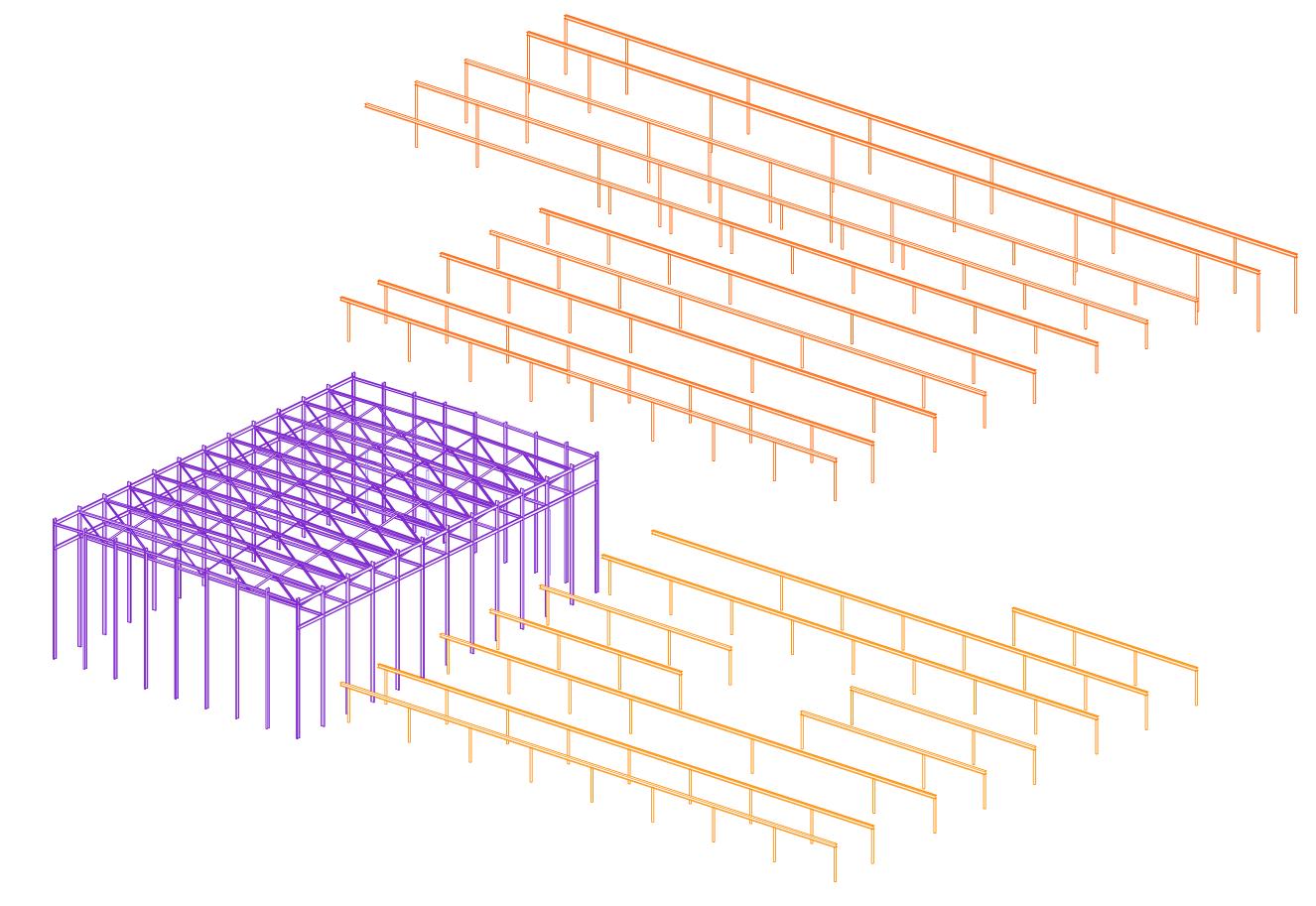




ADAPTATON

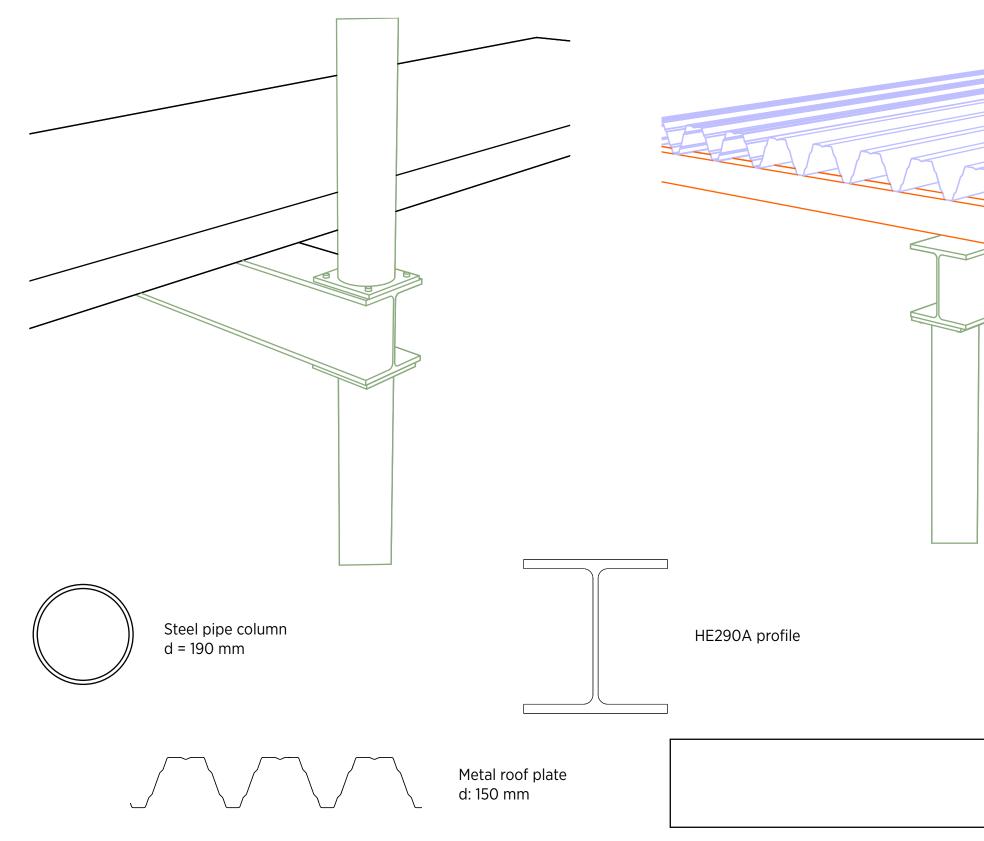


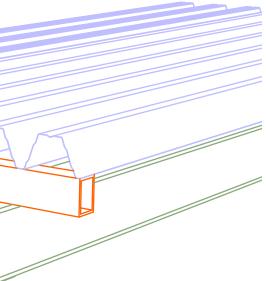
LOADBEARING STRUCTURE



Existing steel structures

PROPERTIES EXISTING BUILDING







Steel tube roof beam 150 x100 mm



Concrete floor slabs d: 230 mm

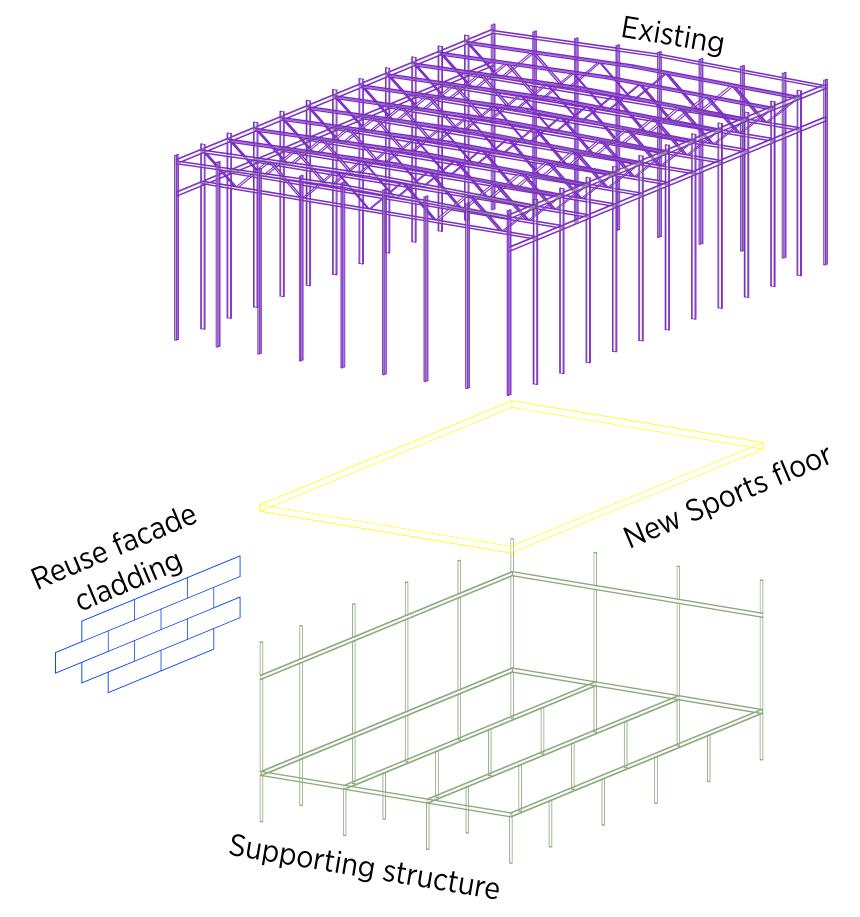
Dimensions structure

LOADBEARING STRUCTURE



Visible connections

LOADBEARING STRUCTURE SPORTSHALL



Structure concept

FACADE MATERIALS

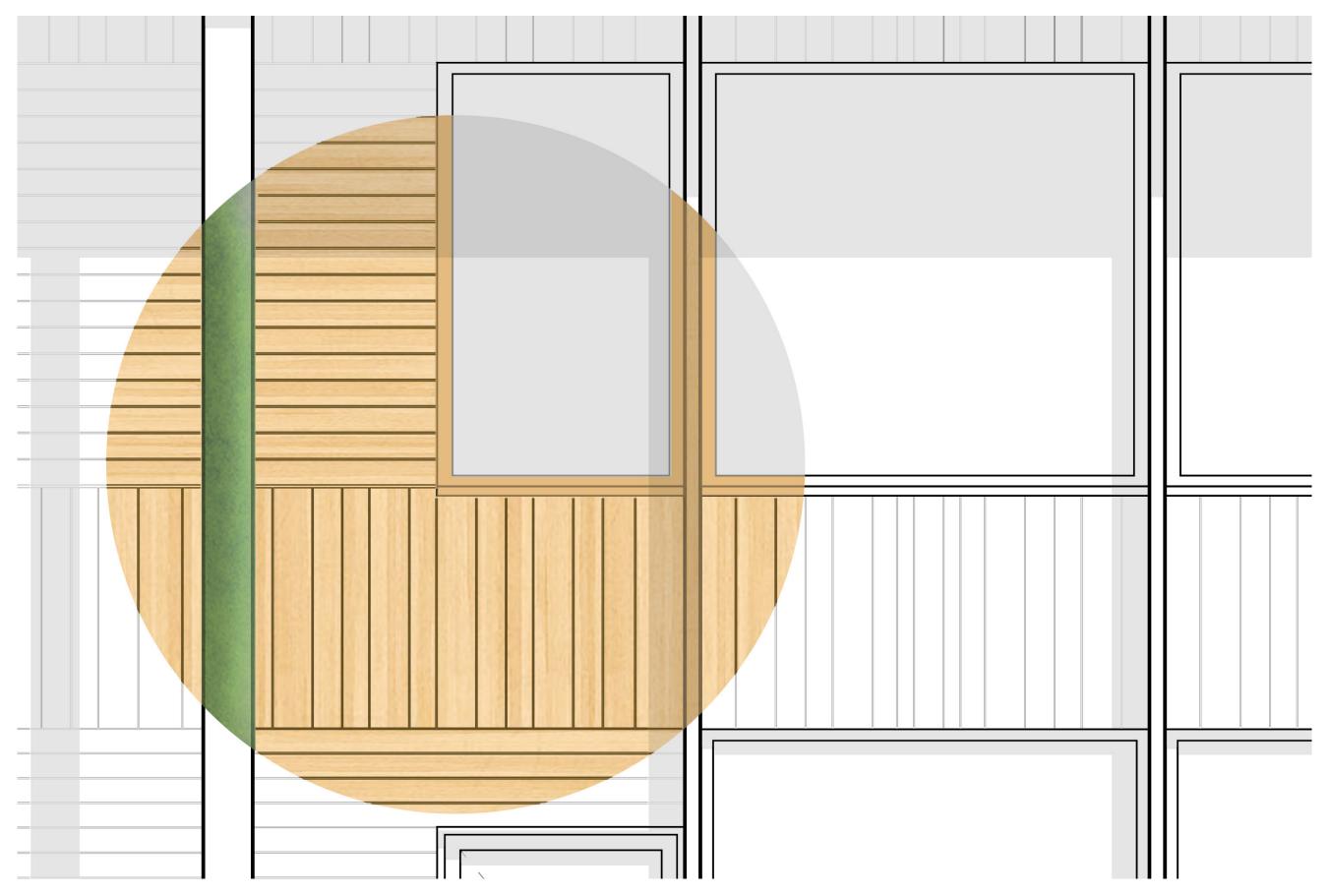


Wooden slats

Green steel structure

Reuse Eventlounge cladding

FACADE ZOOM IN



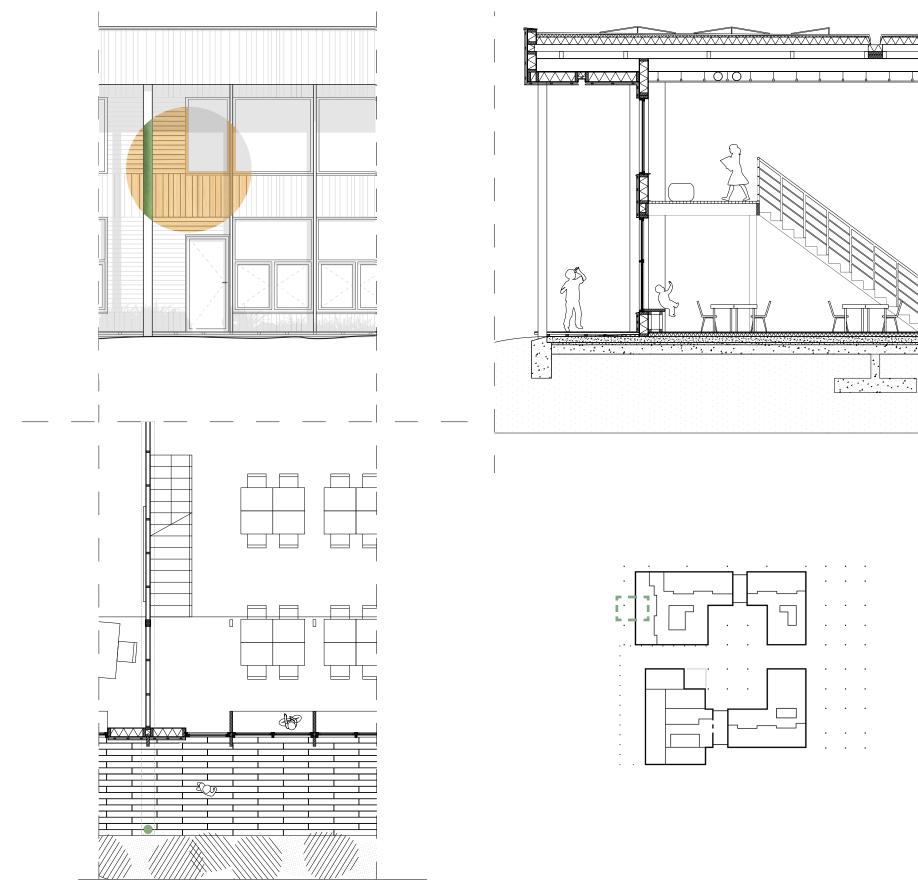
Materialisation

FACADE



1:200

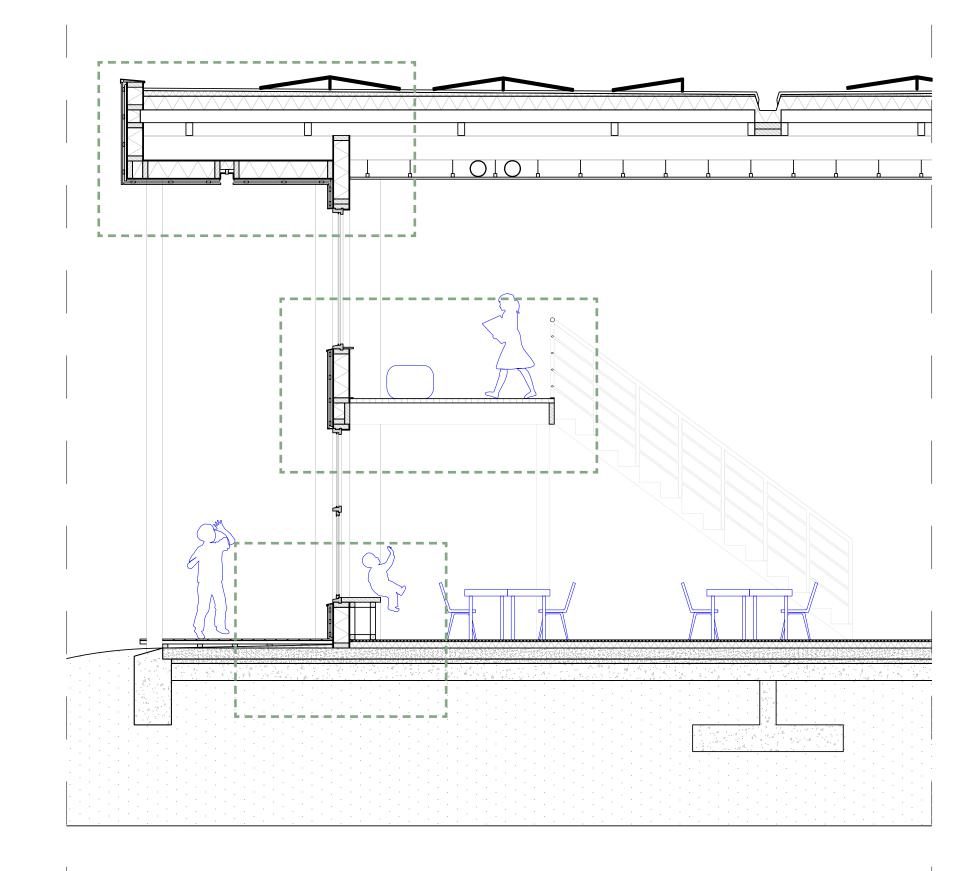
FACADE FRAGMENT





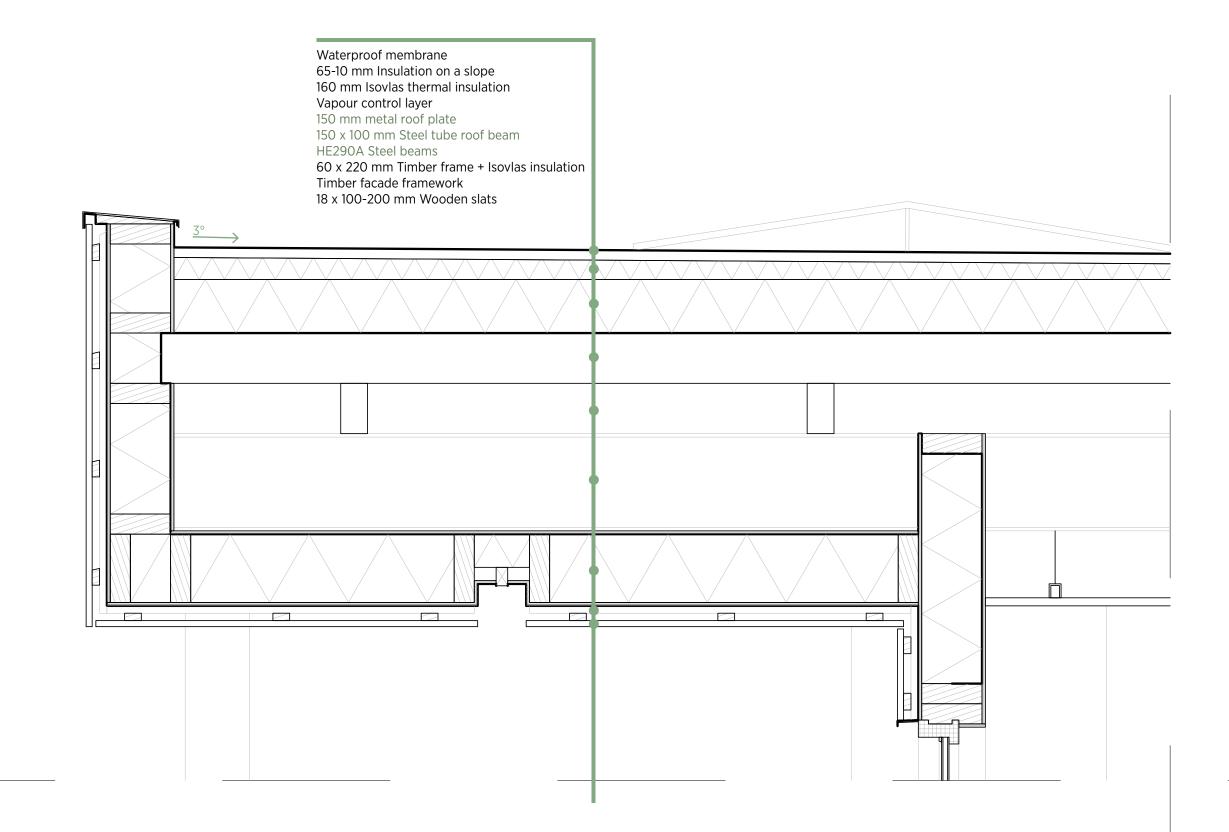
South west facade, classroom 1:20

FACADE FRAGMENT



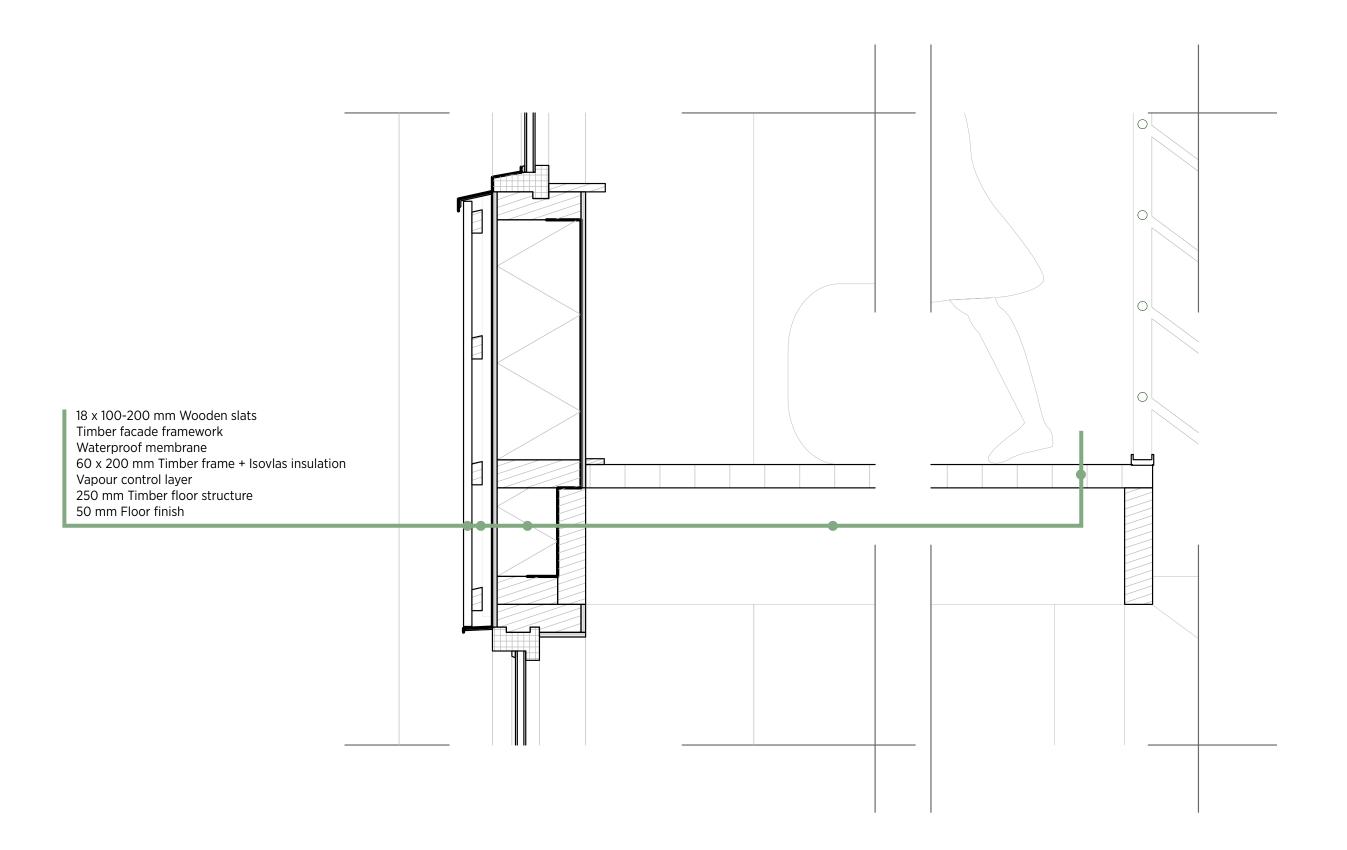
Vertical section, classroom 1:20

ROOF DETAIL



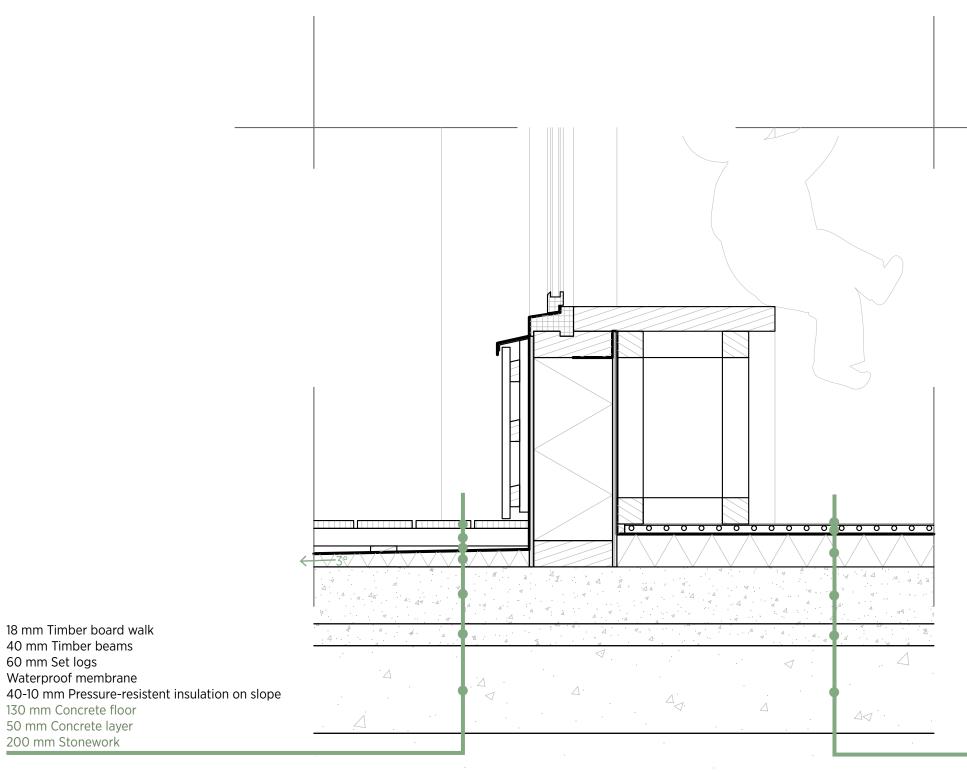
Classroom 1:5

ENTRESOL DETAIL



Classroom 1:5

FACADE BENCH DETAIL



3 mm Vinyl finish 20 mm Variotherm floor heating system Vapour control layer 75 mm pressure-resistent insulation 130 mm Concrete floor 50 mm Concrete layer 200 mm Stonework

Classroom 1:5

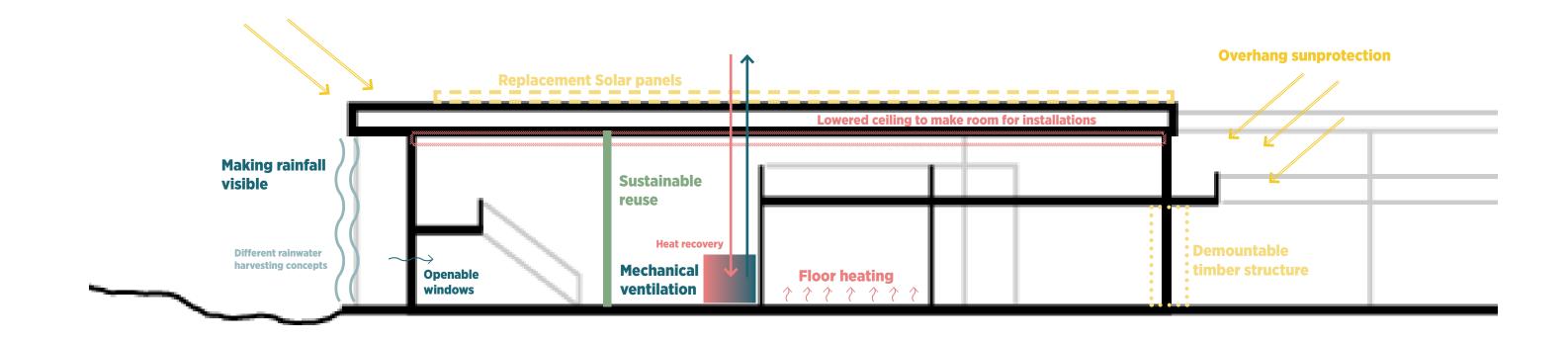
FACADE FRAGMENT



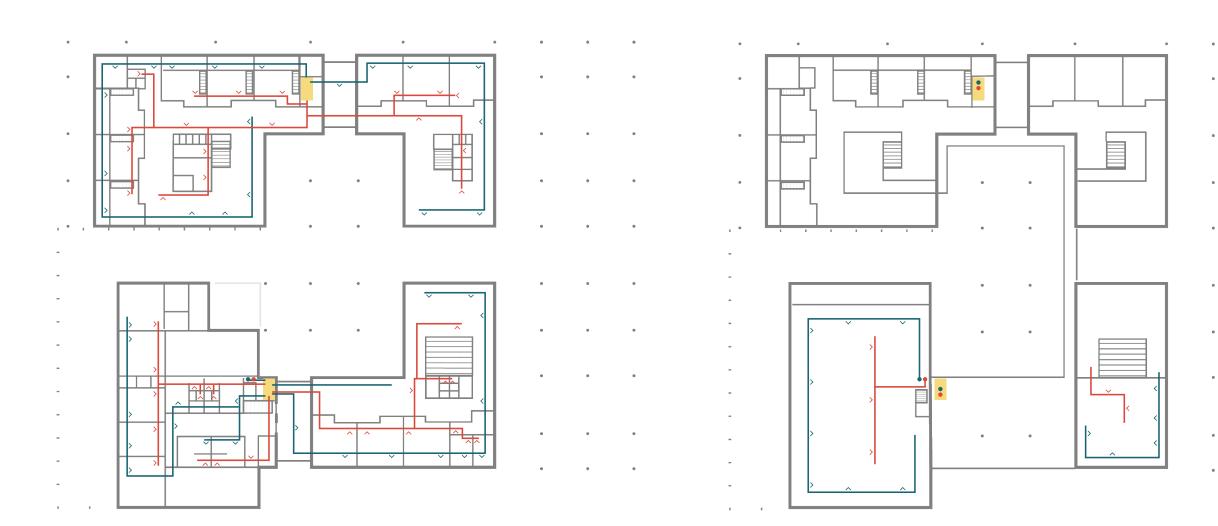
Materialised facade



CLIMATE CONCEPT



VENTILATION SCHEME

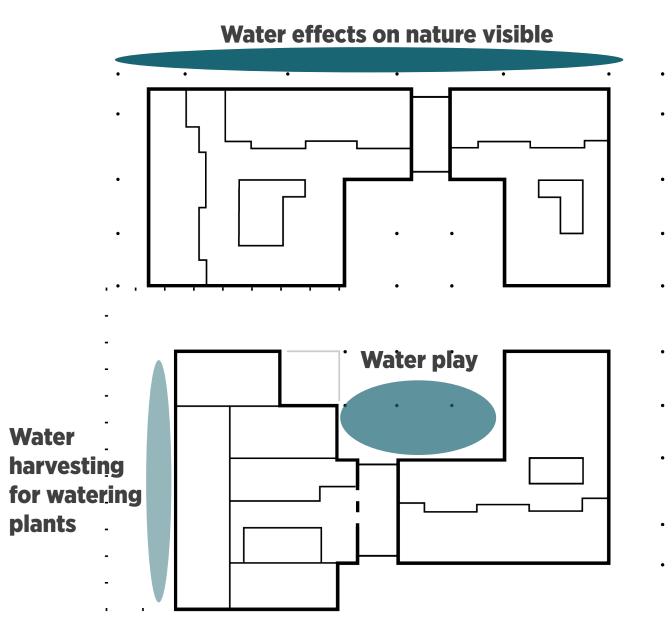


GROUND FLOOR

1ST FLOOR

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CLIMATE CONCEPT



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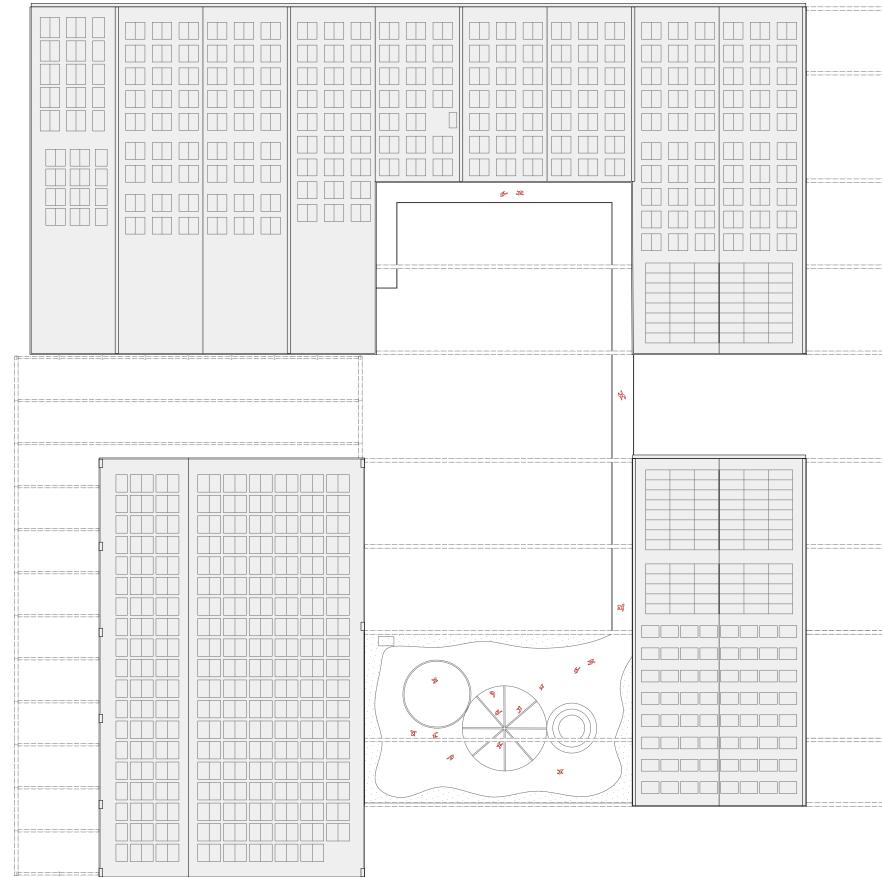
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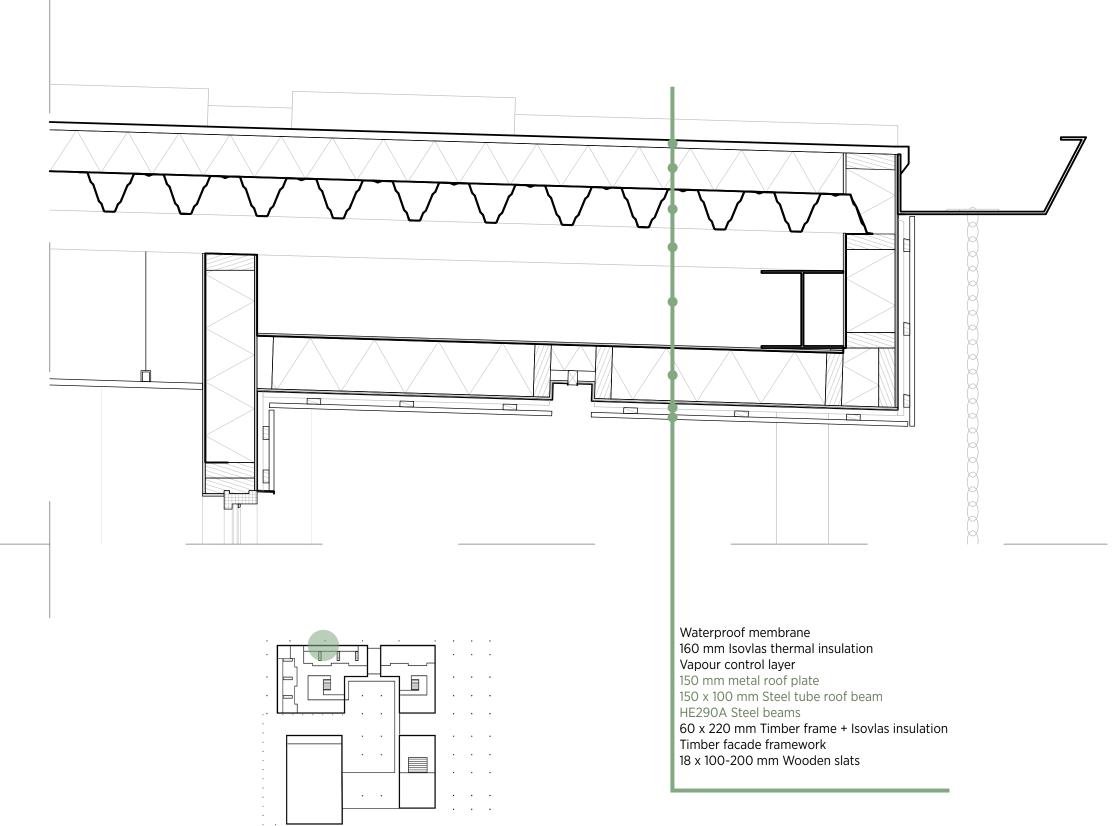
ROOF FLOORPLAN



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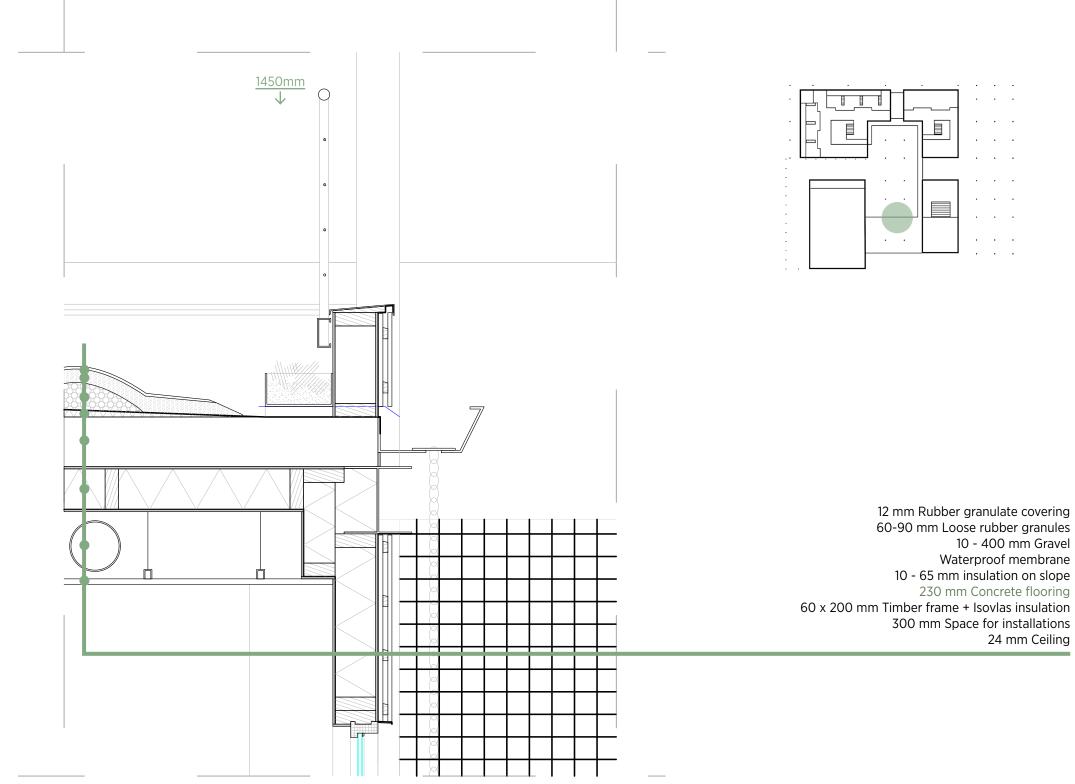


DETAIL RAIN FALL



North facade 1:5

DETAIL PLAYROOF



60-90 mm Loose rubber granules 10 - 400 mm Gravel Waterproof membrane 10 - 65 mm insulation on slope 230 mm Concrete flooring 300 mm Space for installations 24 mm Ceiling

Playroof 1:5

ENGAGEMENT

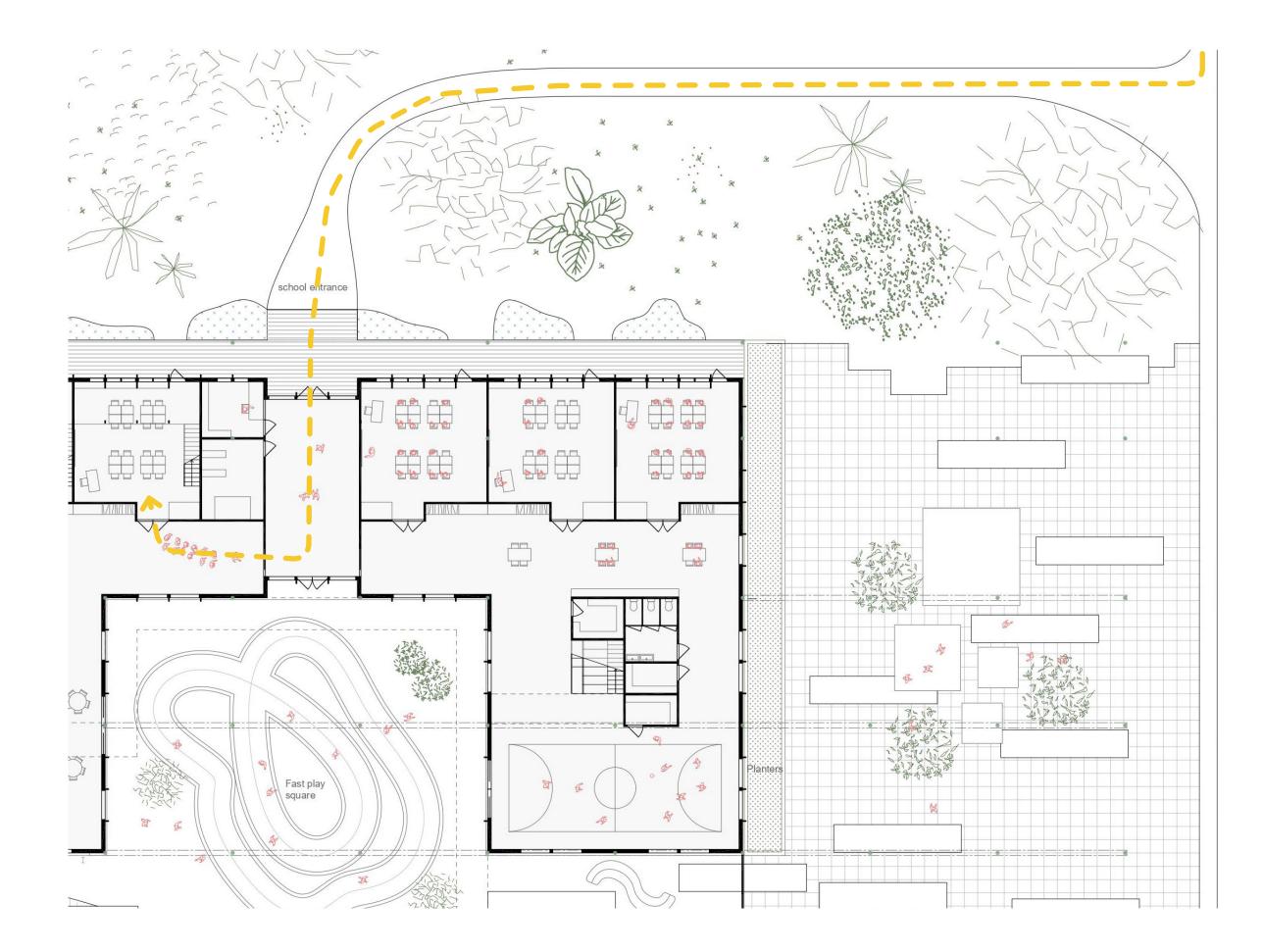
HOUSE OF THE CHILD, FOR THE CITY



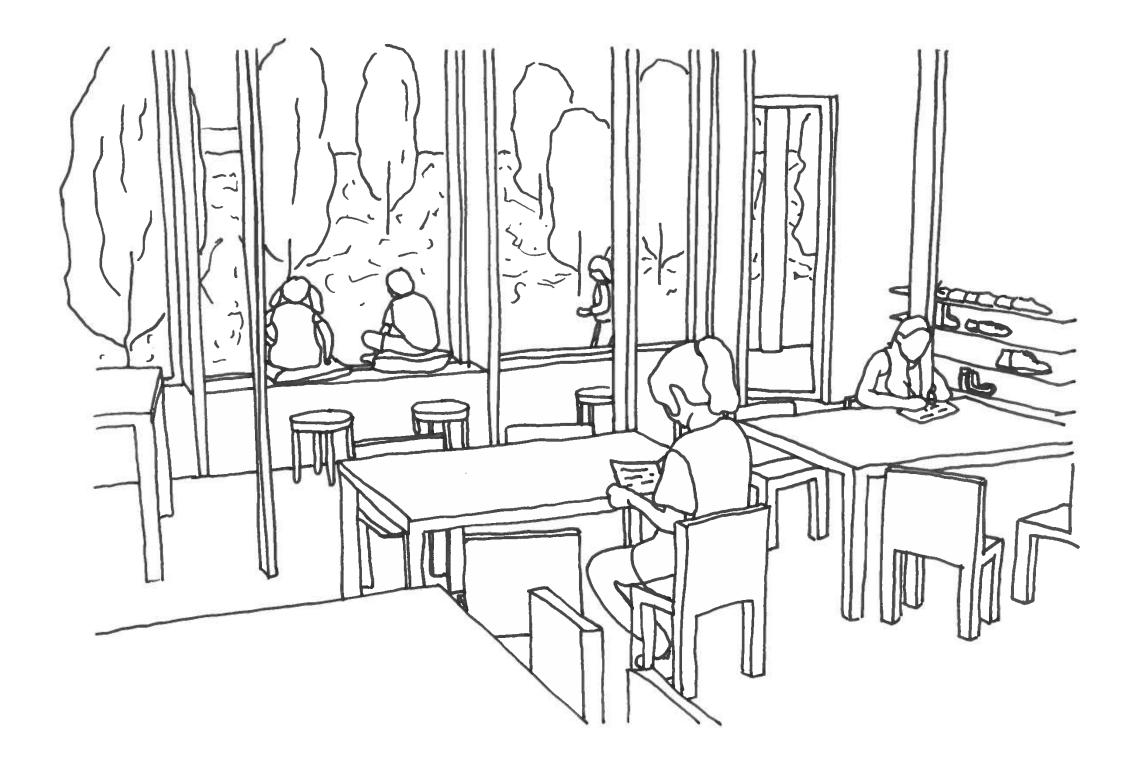




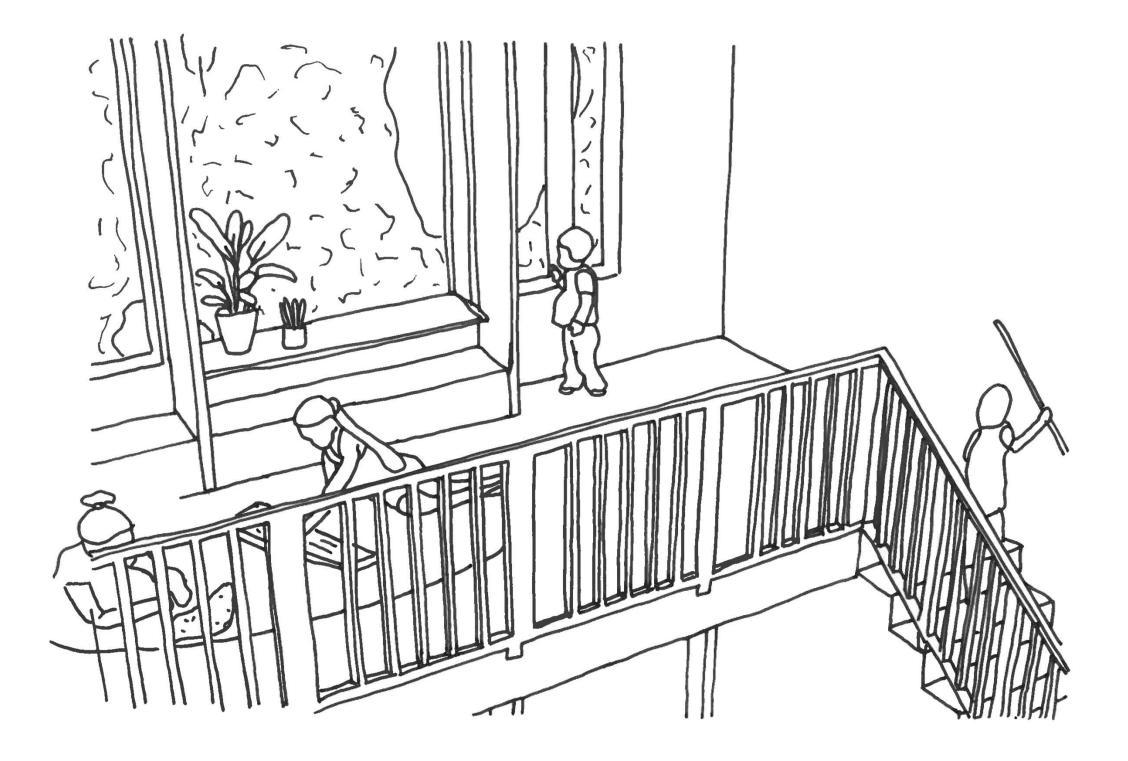


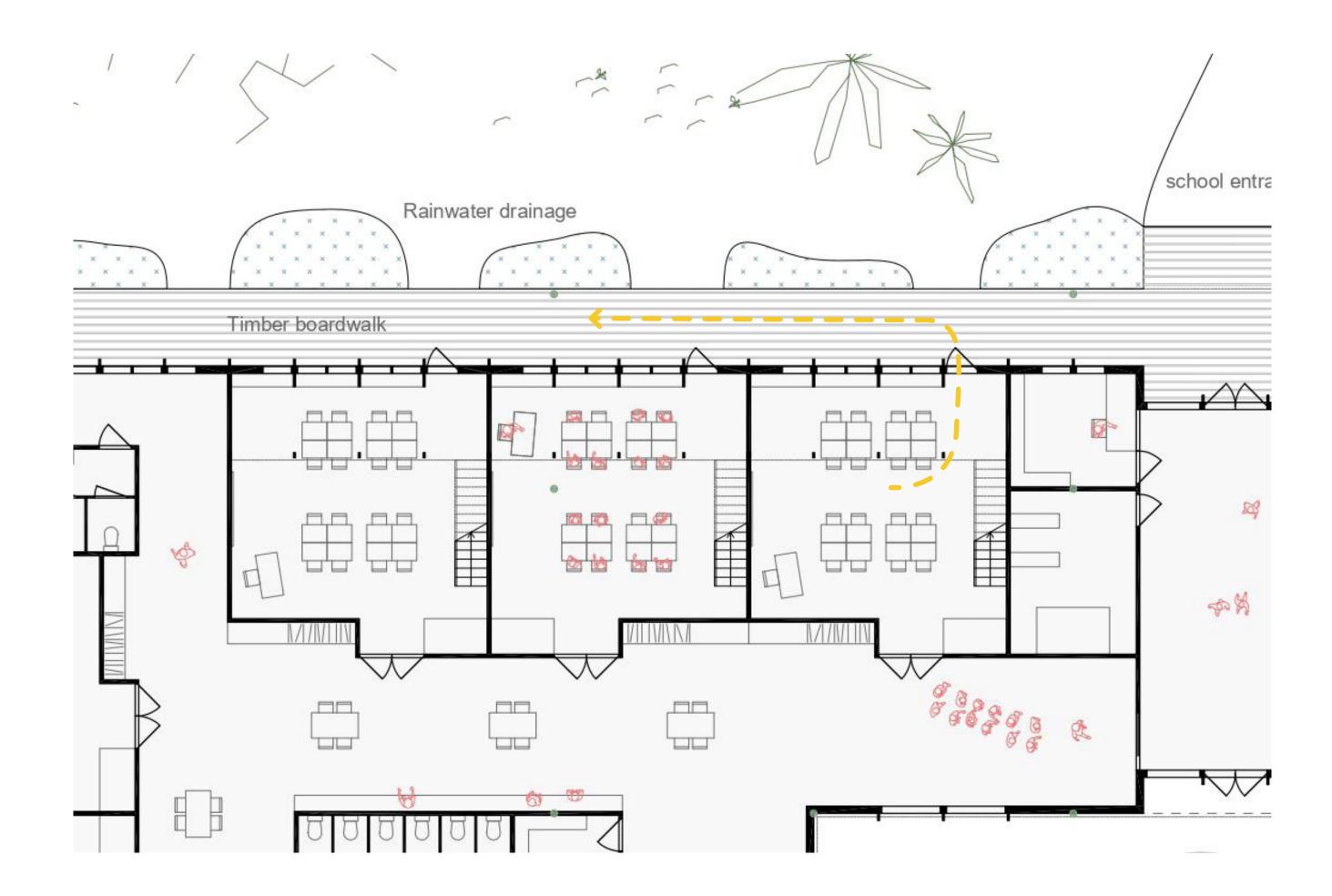


DIFFERENT ATMOSPHERES IN THE CLASSROOM

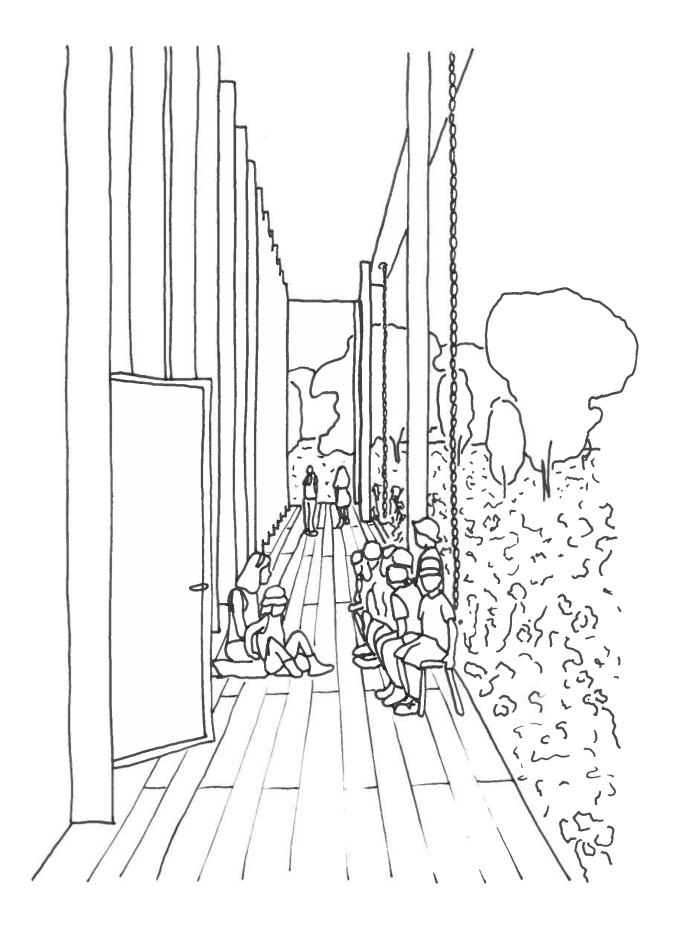


USING THE HIGHT TO CONNECT WITH THE VIEW





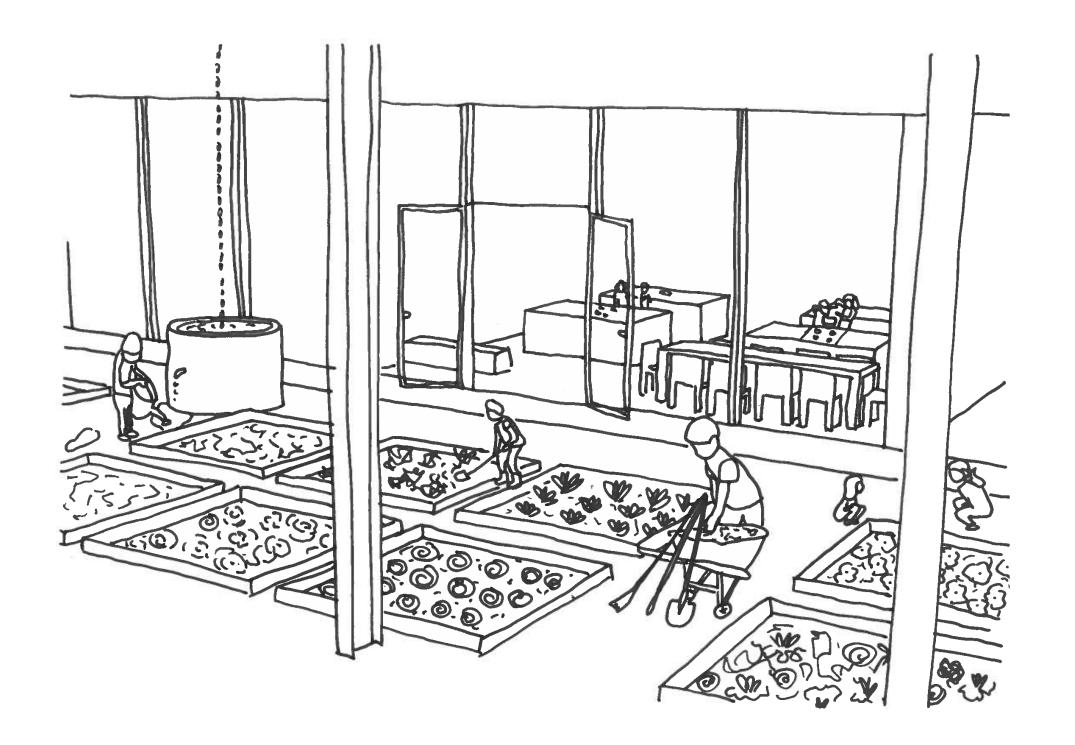
TIMBER BOARDWALK AS TRANSITION ZONE

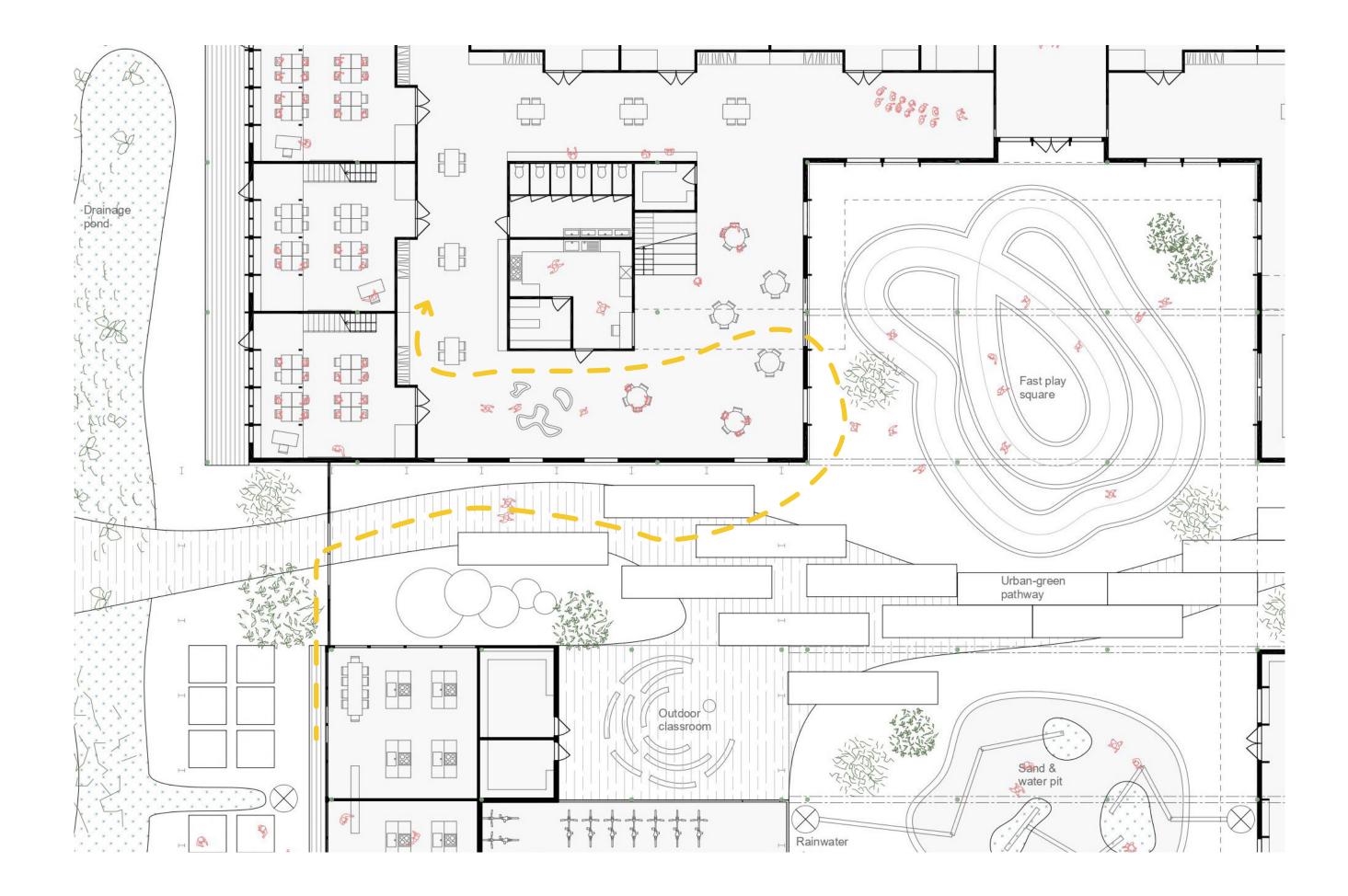


SCHOOLGARDENS

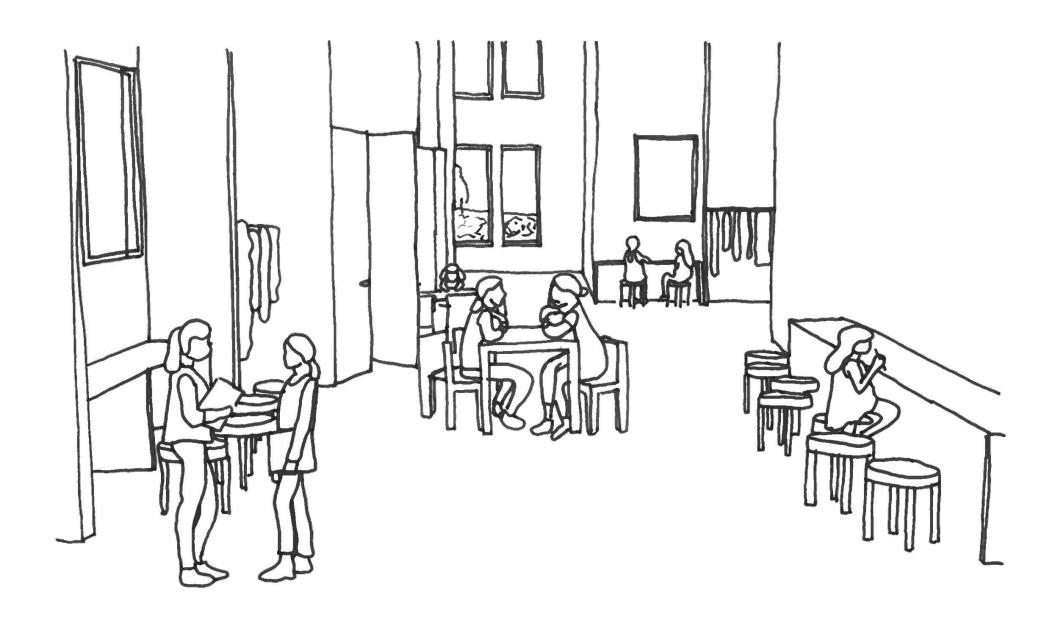


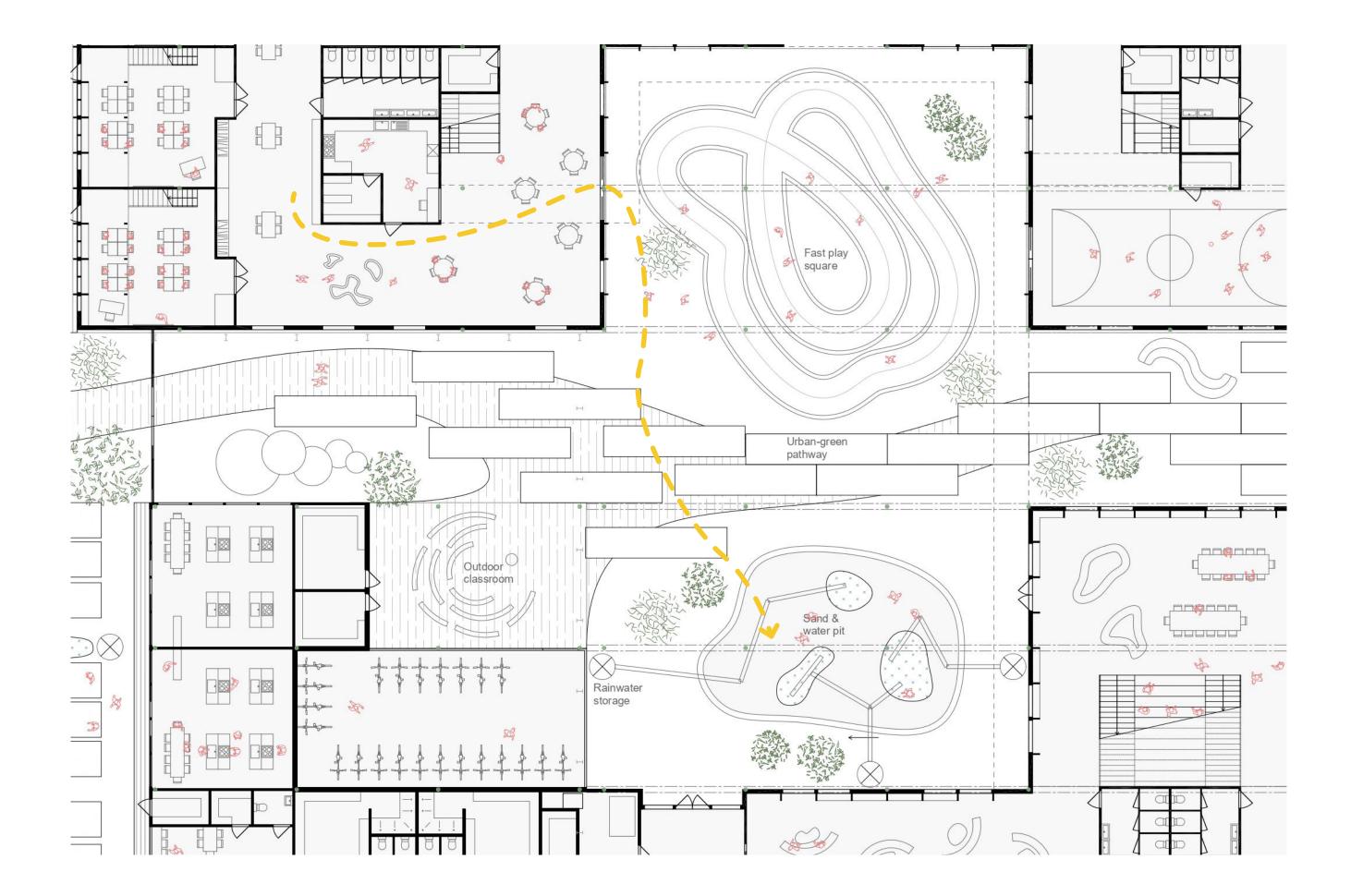
A PLACE TO DEPEND ON AND PARTICIPATE IN



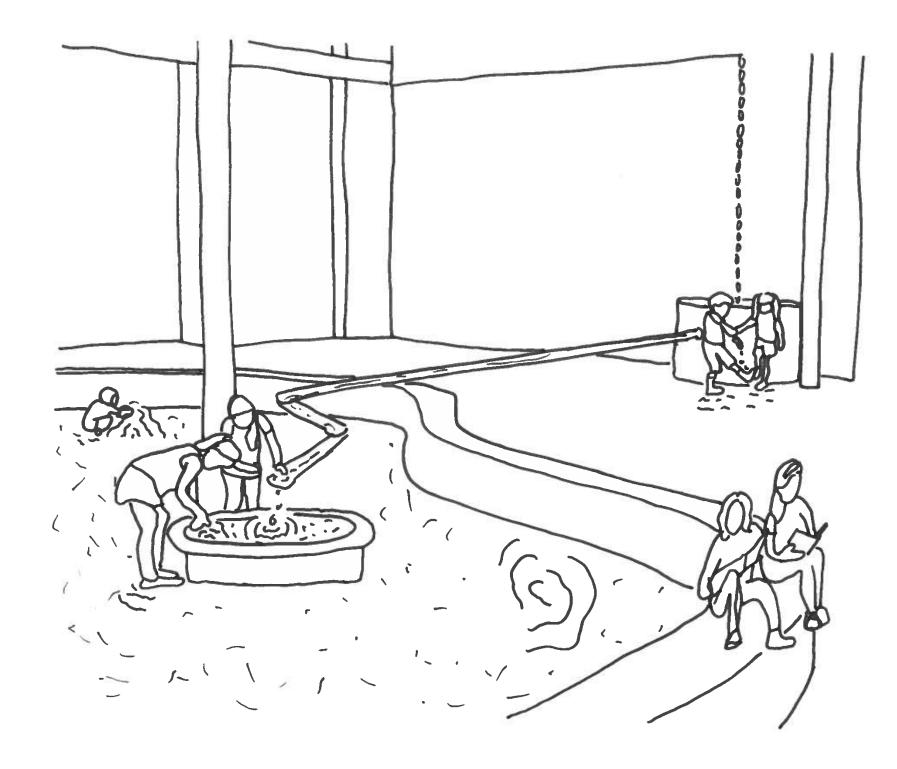


IMPRESSION LEARNING SQUARE

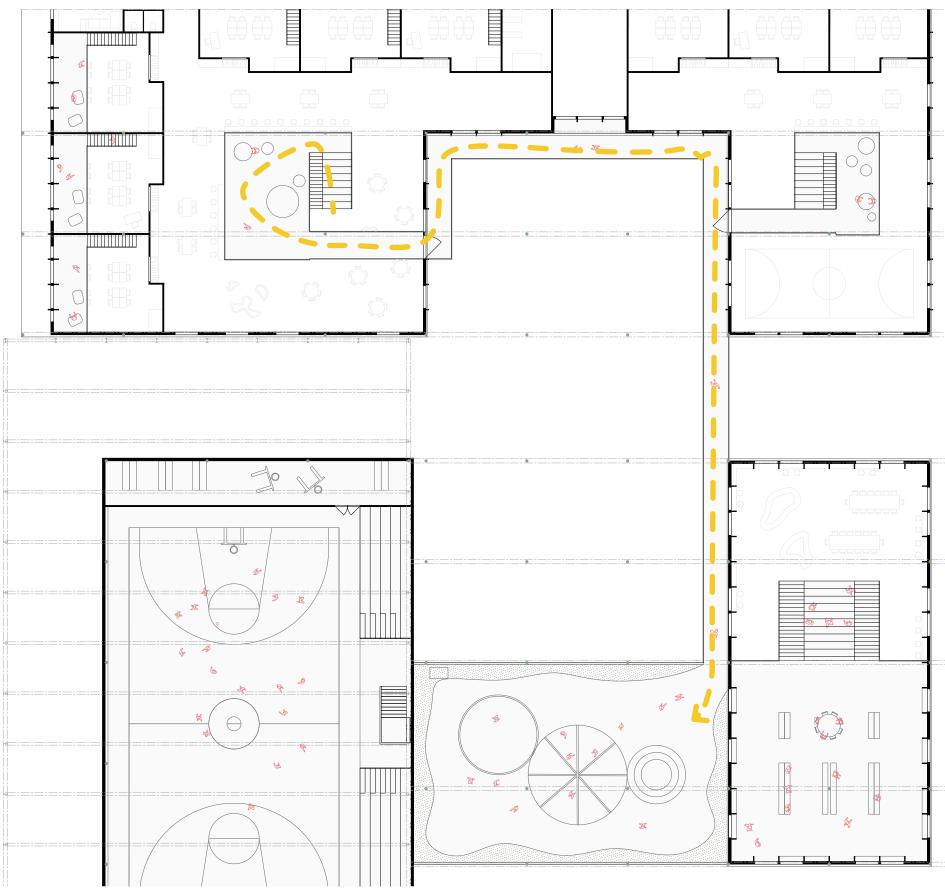




PLAYING WITH CLIMATE CONDITIONS

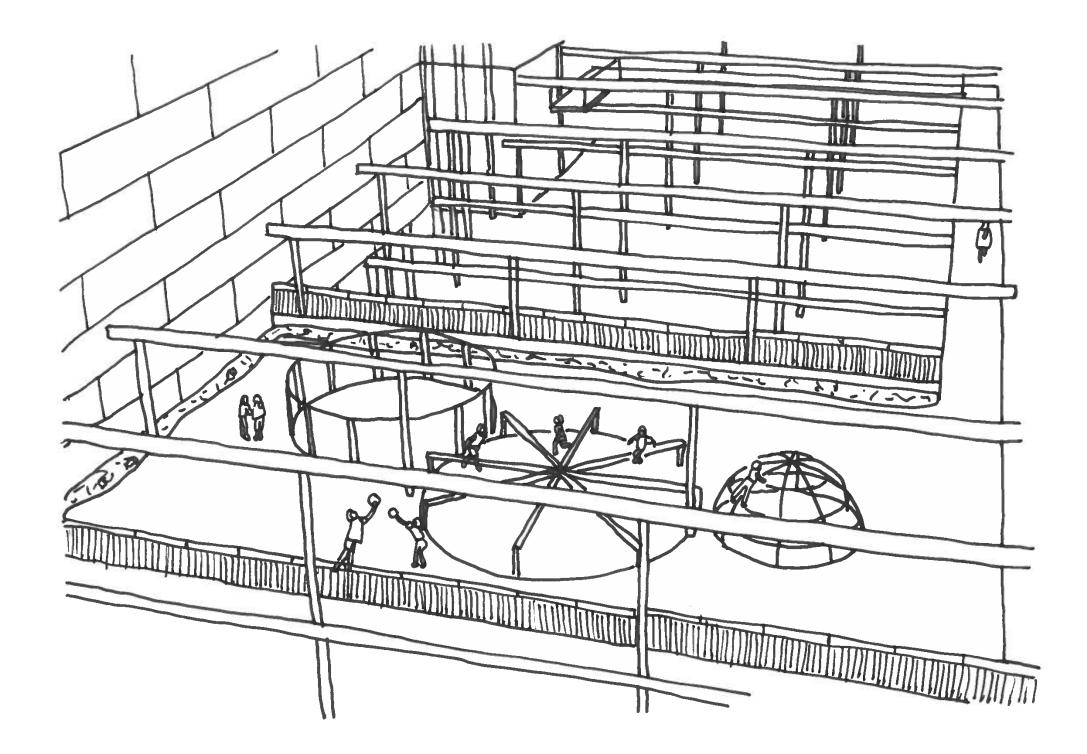


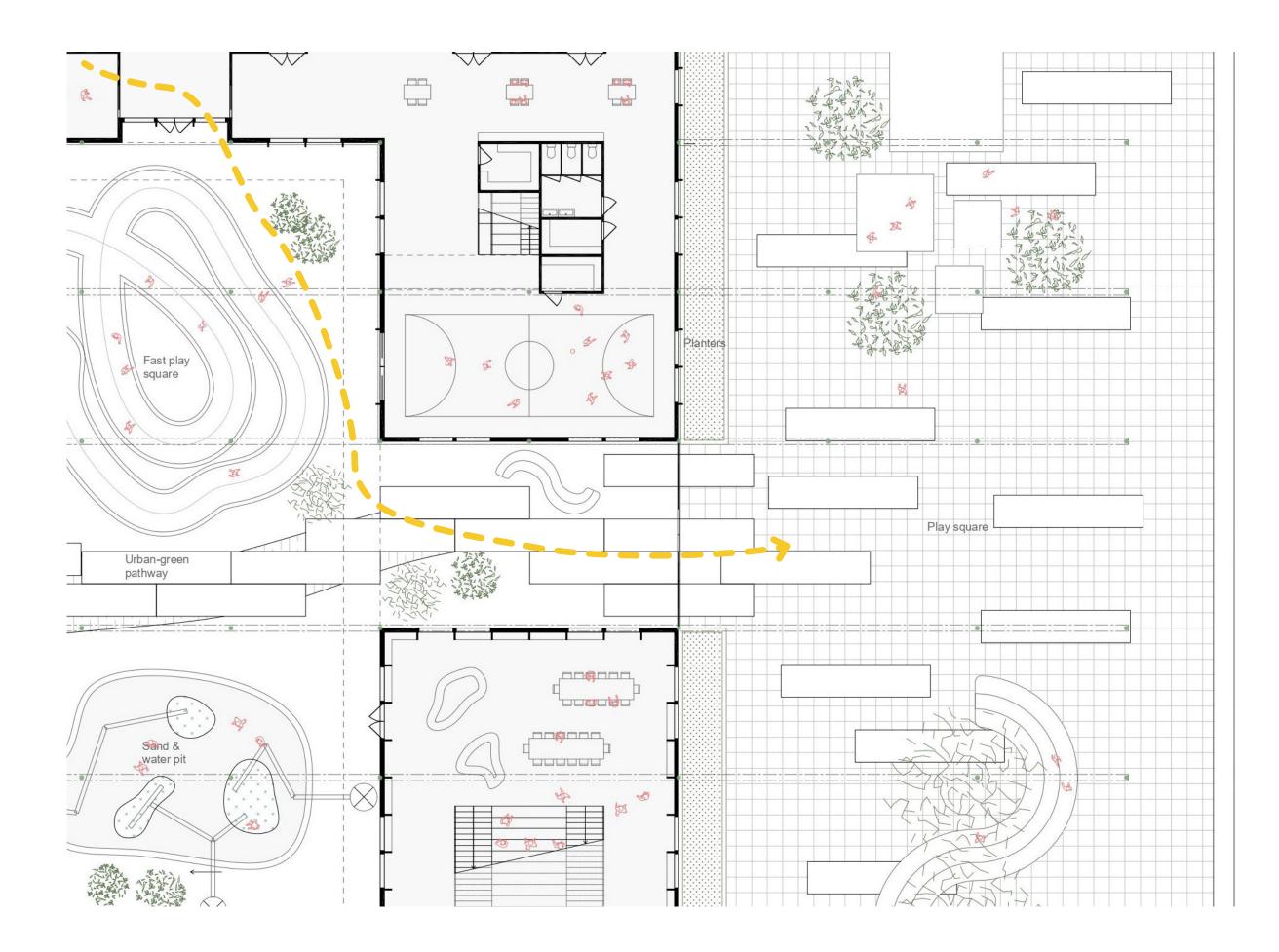




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PRIVATE PLAYING ON A ROOFTOP





IMPRESSION FROM BOULEVARD



