

# A new edge for DeSingel

**Framing the Landscape** 

## Introduction - BRIEF Archiving Architecture

Design Studio mentors: Daniel Rosbottom Susanne Pietsch Jurjen Zeinstra Sam De Vocht

Research Seminar mentors: Amy Thomas Sereh Mandias

AE + T mentor: Matthijs Klooster

week 3.9 2 3 week 3.9

## But fist a step back

P3 feedback

Daniel's notes: The creation of a new edge that reframes the relationship of the building to the landscape, cutting out the middle ground of the motorway. You describe it as a 'rampart', could it be a kind of pergola? Do you think that the pockets of space from which to view the landscape could happen in section as well as in plan? Carving out the section? **DRAW THE SECTION!!** 

What is the character of the building edge? Could it be planting that gives it a sense of solidity? The new court-yard has a lot of potential reiterating Stynen's original intentions and making a better setting for the kings balcony. What happens to the big courtyard that one needs to pass through to get to your new landscape space? Your project could be said to be all about landscape and your attitude to plants and landscape space needs to be the central figure of your project

The planning of the non rectilinear part is not yet convincing. Have a look at Aalto

Sam's notes:

Dennis

Section question

Resonation of the sound of the highway: technical aspects with inclination

Landscape gesture is interesting - connecting the highly preserved courtyard with the new entrance. At this point, what kind of entrance space do you have? Atrium? One floor type of space? What are its qualities?

Daniel

Model of the section: I would like to carve the section, openings towards the sky, see the towers in the distance

Japanese garden: theediminsional pockets

Surfaces of the facade?

You describe the project as the rampart, other way of conceiving it is like a pergola. Solidity coming from the plants?

Real clarity to the bottom of the plan, what's you attitude to shelving? Do you need shelves or tables?

Library part of the plan feels unclear

Look at how Aalto deals with geometry and volumes. Where does space become loose. Trying very hard to put orthogonal things into a line with a movement.

What I like around the king's lodge is restored in a courtyard garden. You should be designing that landscape as much as the interior of the building.

Landscape is important: think of Gulbenkian, sitting in the garden and its importance.

- Landscape made by the wall
- Looking at the landcape through pockets
- The landscaping of the courtyards.

#### Stanislaw

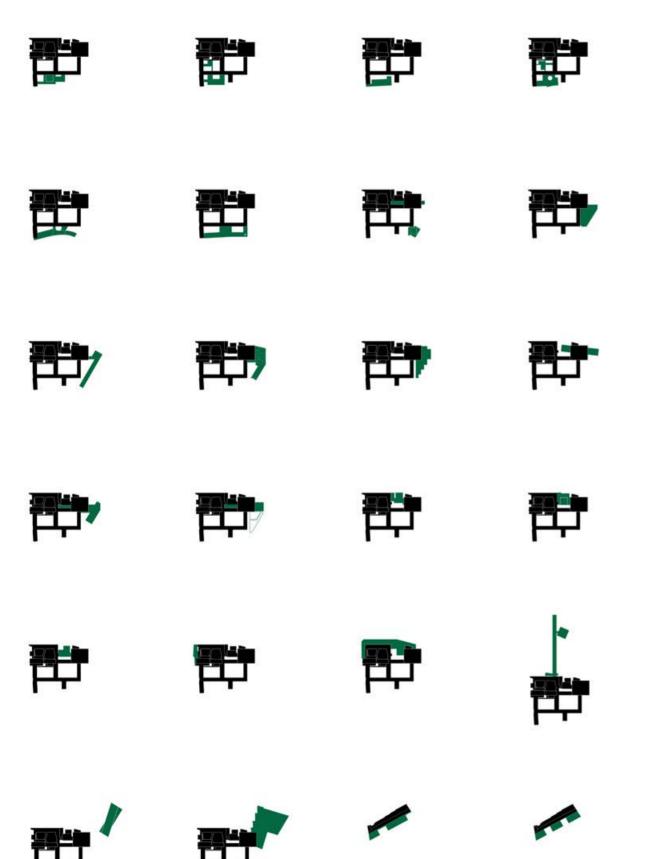
Here are some of my notes (very loos ones):

- do the section
- is it a frame ?what is it ?green ramp? pergola? Overscaled garden pergola?
- show your attitude forward geometry in the plan, The part on the right where the processing is unclear (the geometry intentions)
- check out the Alto's architecture and his landscape ideas, how he deals with the flora?
- your project is about landscape Daniel Rosbottom
- design landscape









11 week 3.9

### What about the landscape?

The landscape was originally the main topic of my intervention and approach to DeSingel, but lately I've found myself drifting away from it. It wasn't really intentional—it just kind of happened. The more I analysed things in detail, the more I lost track of my original intentions related to the landscape.

If I go back to what I was already thinking about before P2, the landscape played a key role at DeSingel. But that importance seems to have faded. The idea of a microclimate, for instance, was once central to the project, but it slowly disappeared over time. One of the main landscape features—the hill that used to connect the courtyards with the terraces—has been completely erased. It was supposed to be one of the "moments" of the building. It created a direct access from the outside to the terraces, establishing a strong link between interior and exterior, both at the building scale and the city scale.

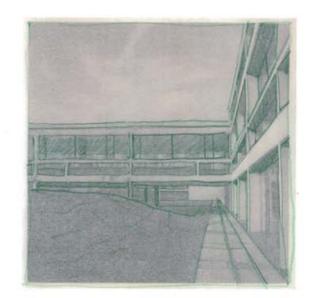
It also implied unlimited public access to a part of the building, turning it into a valuable public space—a place for people. But that's not really the case anymore.

As already mentioned, the highway has totally transformed the surrounding landscape, so that original idea of a meaningful moment for the city has turned into a kind of forgotten backstreet. It's still physically reachable, but now hidden behind the Beel additions. Because of this lost connection between the initial vision and what exists now, the perception of the space—especially the courtyards—has also changed. Once I realised that, the idea of working with the courtyards as part of the intervention started to feel more concrete.

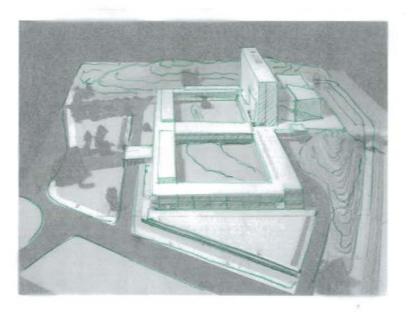
Over the years, these spaces have been changed by additions—like the "Alphaville?" exhibition by Dominique Gonzalez-Foerster in 2004, which added the small pond in the lower garden area. There've also been temporary exhibitions aimed at engaging the public with these enclosed green spaces. In fact, the courtyards are used at DeSingel—especially on sunny days, when students go out to eat or just sit and get some sun in cloudy Antwerp. But they're not experienced in the way Stynen originally

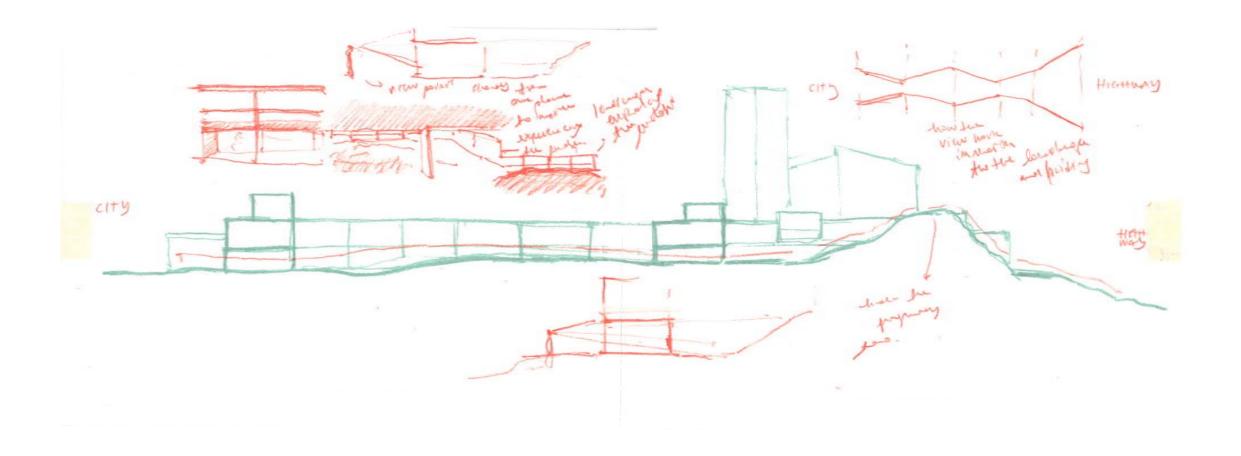
imagined. The lower area that connects the street between Stynen's and Beel's buildings is now more than halfway hidden by DeSingel's offices. That adds even more layers to how this landscape is perceived—eventually reducing them to "just courtyards."

Some of the changes that were made don't follow any conservation principles. So, as Daniel asked during P3—why are we so afraid to touch and transform these unresolved spaces, when they've already been altered and disconnected from the original vision?



week 3.9 12 13 week 3.9

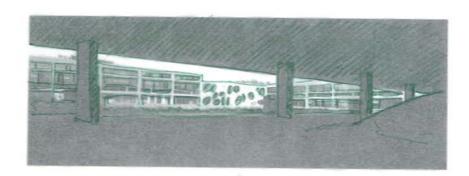




week 3.9 16 17 week 3.9

8. Made by author, Barbican Centre, London, 2025

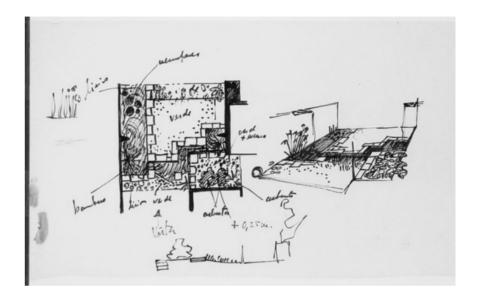












## Susanne tutoring:

Do you need to transform the main courtyard into the proper entrance as different layers that you need to go through to get there?

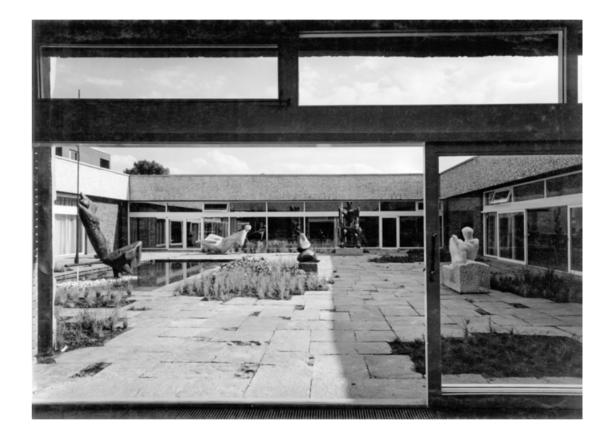
Should there be other layers of interior/exterior, as sort of elements for the entrance of the building?

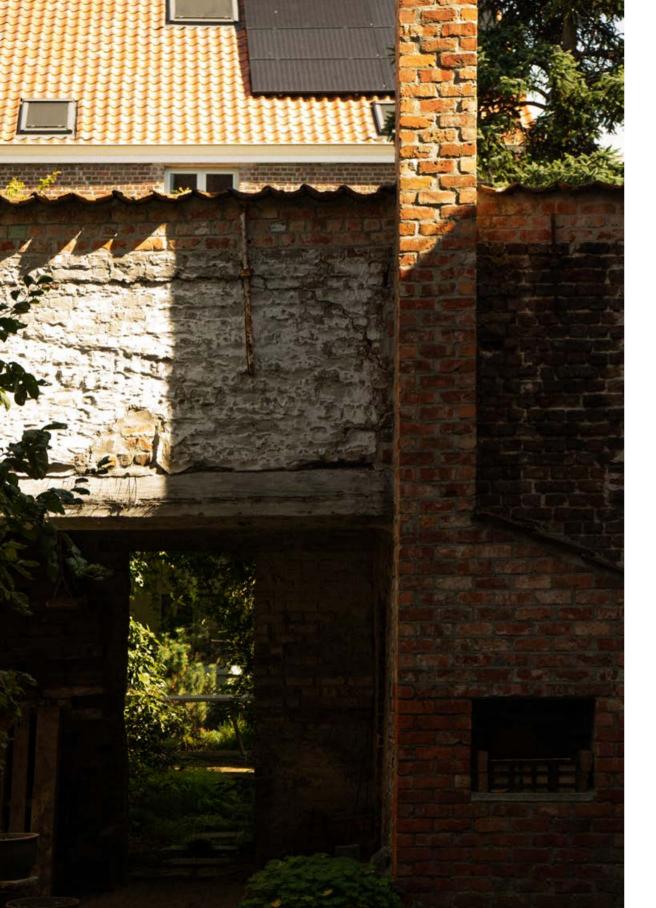
Should the new courtyard be "hidden" as part of the new building and the place should be reached from the interior instead of being a closed space?

Look into Akademie der Kunste, Berlin.

week 3.9 22 23 week 3.9



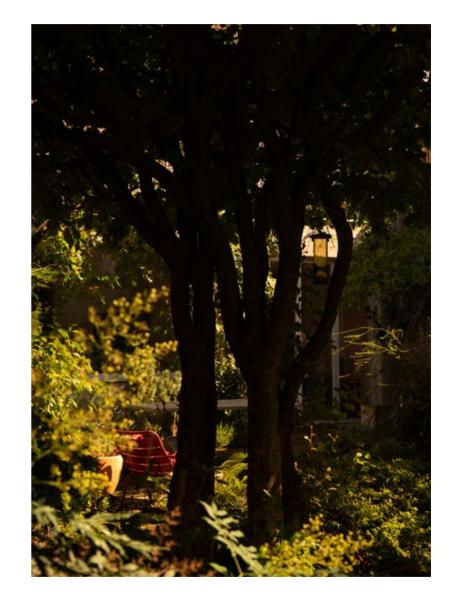




week 3.10

27





week 3.10 28 29 week 3.10





#### Between inside and outside

"The relationship between a building and its site can be understood, then, in any one of three ways: the building as an elaboration of the terrain, an insertion into it, or something that works (toward social ends) in collaboration with it." (Leatherbarrow 2004)

This quote from "Topographical Stories" makes me question what the landscape does on my new addition. What does the new courtyard do? What is its main aim? After P3 and tutoring I think going back to Stynen's initial scope the relation between the landscape and the building should be a collaboration. One should enhance the other and be directly connected. The building should somehow depend on the landscape that its created, and that should exist, therefore recreating the microclimate that was lost in the different phases. The building should be an attribute to the landscape and not vice versa. They should be designed together. The role of the building is to enhance the courtyard as part of it, by putting attention in materials, finishes, relation with the former conformation of the space. What was there before? Can that be integrated somehow?

"In other words, landscape, or simply land (environment, climate, region), has reclaimed all that was once taken from it: materials, spatial extent, lighting effects," atmosphere", and so on. Topics that have always been essential to landscape description (natural processes, materials, etc.) now also dominate discourse about buildings." (Leatherbarrow 2004)

This new element will somehow become part of the interior organization of the building. A moment of break from the complexity of the space, giving the public an open space to explore from the first floor and bringing people to the ground floor.

Therefore, developing the already existing concept of the landscape in the building. Giving a new way of experiencing the building across floors, with inside and outside relations.

However, how can that space be part of the interior of the building?

As we can see in the Akademie der Künste it is pos-

sible to develop an outside courtyard that is strictly related to the interior of the building. Somehow transforming the courtyard into an extension of the interior.

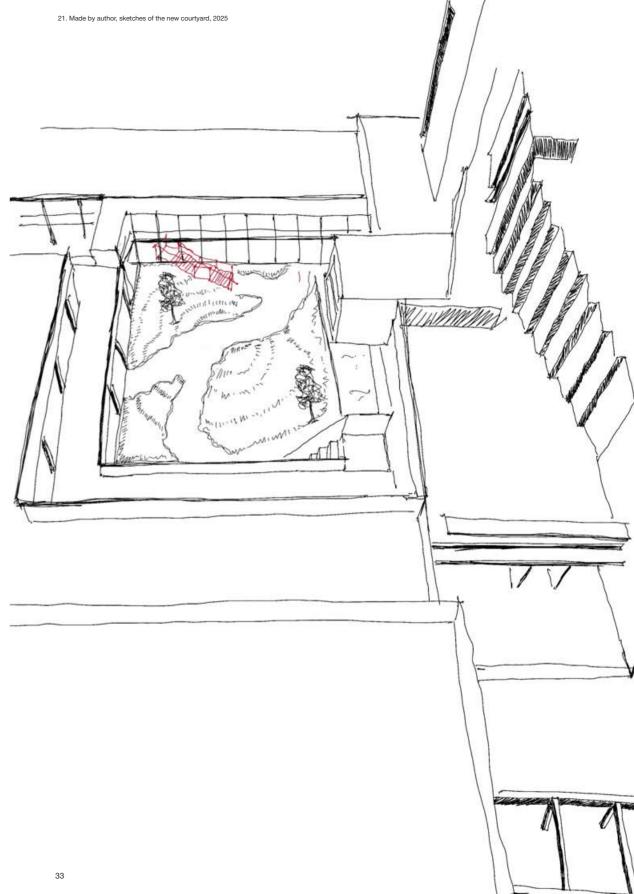
#### Terraces

What I am trying to do with the terraces is somehow what Billie Tsien and Tod Williams describe as the "Long view" in the project "Neuroscience Institute" in La Jolla, California. There is the aim of defining what needs to be seen, by directing the view in specific moments that need to be enhanced, as for their relation between interior-outside and outside-outside relation. This concept of creating a sort of perspective illusion, hiding some elements of the landscape or somehow not making them as the main element that defines the landscape, mainly elements related to the motorway, therefore aiming for specific experience of the building.

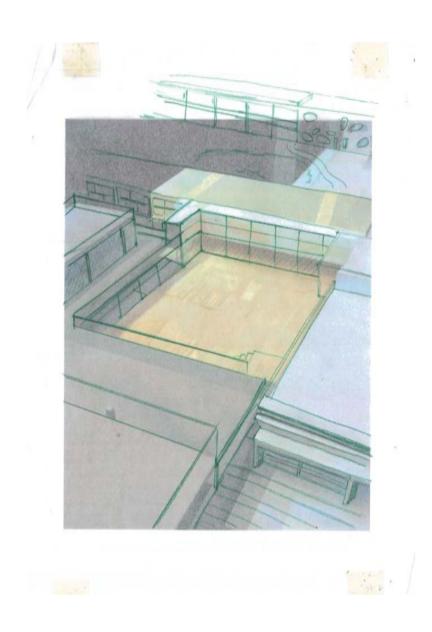
This concept of framing from the inside to the outside could be defined as "interior landscape", whose aim is to create a room an outside one, whose intention is to give a specific experience, as observed by Billie Tsien:

"Is more than a mark in the land. There's the rootedness which happens from cutting away, making a hole in the land, and then there is the extension that has to do with the sky and that sense of infinite escape." (Tsien 1999)

Described as a way in which the landscape is cut through with a knife by the designer, creating tension between the building and the view.



week 3.10 32



## Role of the circulation

Considering that on DeSingel the man circulation floor is the first one in myaddition I would like to follow this floor as the main one, hosting the most important public space of the building, the exhibition room. However, with the addition of a new courtyard there is the necessity of adding a relevant connection between the first and ground floor.

How can this connection happen? It is important for me to enhance the circulation between the floors to make it possible to experience the building as landscape, therefore bringing what once was outside inside the building. And experiencing the fine line between the interiors and the outside courtyards as one element.

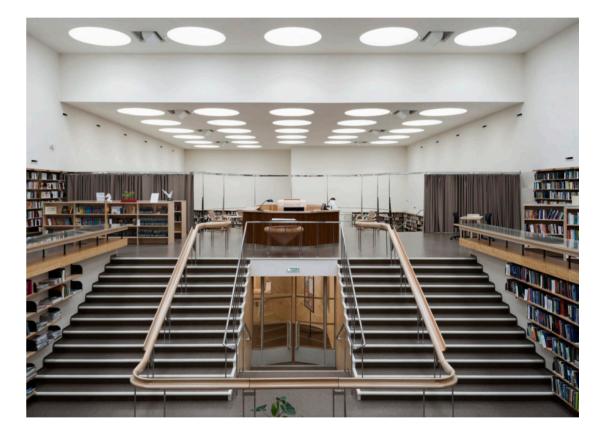
To understand how this connection could happen I analyzed circulation of the Vyborg Central library by Alvar Aalto. Mainly to understand how the circulation from the ground floor to the entrance of the library happens,

a well thought route that people are invited to follow to enter the library, passing through the library spaces even before entering the library.

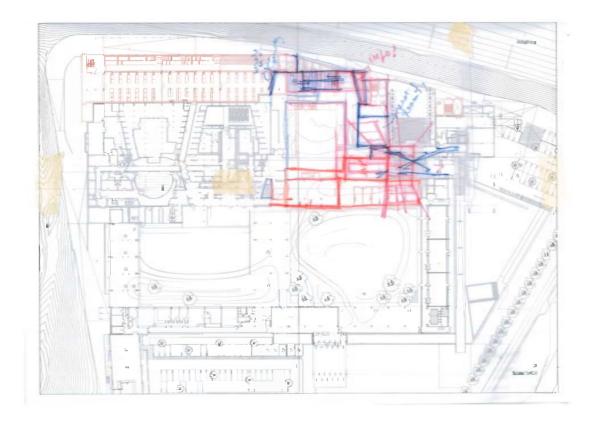
The experience of the circulation is somehow similar to a landscape, or as Aalto identified it as a mountain with different levels that need to be reached to enter the library entrance at the top of it.

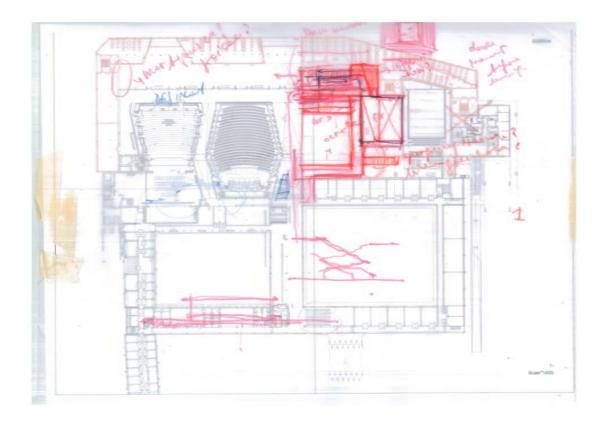
Therefore, by looking at this example I think its relevant say that for me it's important that the connection with the staircase needs to be well positioned, to not block the circulation but help it with a better experience of the interior landscape that I tried to reach with the design of the building.



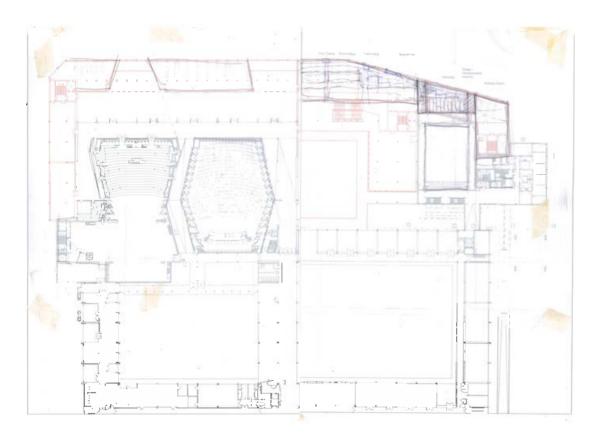


week 3.10 36 37 week 3.10





week 3.10 38 39 week 3.10



## Jurjen tutoring:

The plan should be more clear, you should concentrate on figuring out how can the second half of the building (around Beel) somehow relate to the existing, as what happens already in the Stynen part in relation to the auditoriums.

Is it possible to reorganise it and not making it follow the Beel auditorium shape? Could it be straight? Therefore helping with the organisation of the inside space, rooms and furniture.

week 3.10 40 41 week 3.10

## DeSingel as a microclimate

One of the main reasons DeSingel is located there has to do with the configuration of the site. When Stynen had the opportunity to choose where to build the edifice, this location matched his vision. The site sits on a hill, at the edge of the city, right where the 19th-century Antwerp ramparts used to be. At the time, the area was becoming more public—an attempt to integrate it into the city fabric rather than leave it as a leftover edge.

The hill, the swimming pool, the slope of the terrain, and the view over the newly developing parts of Antwerp formed a kind of perfectly framed urban moment. The tension between the old and the emerging gave Stynen a unique opportunity to shape his project freely, without the same constraints found in the dense city center, where plots are strictly defined from wall to wall.

This notion of a small piece of nature, where all these elements converge into a single building, was a key driver for Stynen's concept. He sought to blur the line between architecture and landscape—this is visible in the courtyards that run beneath the building's wings, the terraces, the reshaped hill, and even in the interior, where ramps offer a spatial experience that extends the landscape into the heart of the structure. The outside doesn't end at the door—it flows inward.

That same idea continues in how people enter the building: from the main entrance, they're led to the left and up a central staircase to the first floor—this connective spine where all the public functions meet. It forms an almost perfect double-loop circulation system that defines how the building is experienced.

Given all this, what kind of approach should I take in my addition? Should it aim to revive the original idea of the microclimate? Should it try to continue what the old building began?

In my view, returning to that initial configuration is nearly impossible. The landscape has been heavily affected by the motorway, which now makes it difficult to re-establish any meaningful outside connection. The hill has lost its relevance; now it's surrounded by noise, smells, and the constant presence of cars—not as fleeting and dynamic as imagined by futurist ideals, but rather stagnant in Ring traffic. So maybe the only way to deal with this is by retreating—an architectural AH-HA moment of hiding. There's simply no better way to do it.

Yet, with the new addition I'm working on—through the reuse of the terraces as a kind of new courtyard, and the introduction of an actual courtyard—I believe there's still a way to create microclimate moments. The existing "wall" already shelters these areas, helping to maintain cooler temperatures in summer (they both face south) and offering protection from wind in winter. Still, I think the relationship between outside and inside could be pushed even further. Warm and cold tones, materials, and the play of light—all of these could help define spaces that feel like a true continuation of the interior.

week 4.1 42 43 week 4.1

#### Acer palmatum "Arakawa"

Japanese Maple

A MUNICIPALITY





Hardiness Zones: 5-9 Plant type: Plant family Sapindaceae Genus: Acer Foliage palmate leaves with 5-7

> rough and corky, (3-5 years), creases cracks and fissures, part of the landscape

Exposure full sun nartial sun spring (early, mid, late), summer (early, mid, late), autumn

fresh green leaves in spring, changes to golden yellow in autumn

Height: 6.1m - 7.6m 5.5m - 6.1m

> Low maintenance, this plant needs little pruning. If pruning is necessary, prune and avoid pruning in spring when the sap is running. Fertilize in spring before the leaves

Avarage Chalk, Clay, Loam, Sand

Soil type

Soil PH:

Soil Drainage:

Moist but Well-Drained

## Acer palmatum "Ariadne"

Japanese Maple



Hardiness Zones: Plant type Shrubs Trees Plant family: Sapindaceae Genus Acer Foliage: palmate leaves with 5-7 slender tipped lobes

rough and corky, (3-5 years), creases, cracks and fissures, part of the landscape full sun, partial sun

spring (early, mid, late). summer (early, mid, late), autumn

Colours: coppery orange-pinkwith green veins in spring, pur-plish with red veins in sum-mer, and orange-pink back in fall.

1.80m - 3m

3m - 3.7m Maintenance: Low maintenance, this

plant needs little pruning. If pruning is necessary, prune during the dormant season and avoid pruning in spring

Water need Avarage

Height

Soil type: Chalk, Clay, Loam, Sand Acid, Neutral

Moist but Well-Drained Soil Drainage

## Salvia nemorosa "Caradonna" Salvia x sylvestris "Caradonna"

DIC MINE WE ASSE



Hardiness Zones 4-9 Plant type Plant family Laminaceae Genus: Salvia Sage Common name: Exposure: Season of interest: spring (late), summer (early

violet-blue folwers. Grows in round clumps of grey-green

0.3m - 0.6m Height: Spread: 0.3m = 0.6m Spacing: 0.5 - 0.6m Maintenance: Low

Soil type: Chalk Loam Sand Soil PH: Acid, Alkaline, Neutral

Moist but Well-Drained Soil Drainage Bees, Butterflies, Humming

Drough

Attracts:

## Achillea "Terracotta"



Hardiness Zones 3-9 Plant type: Plant family: Compositae Genus: Achillea Common name: Yarrow Ahillea Exposure: Season of interest: summer (early, mid. late)

semi-evergreen, masses of Colours long-lasting clusters of a peachy yellow flowers, aro-matic, green-gray fern-like foliage. Height: 0.6m - 0.9m

0.3m - 0.6m Spread: Spacing 0.3 - 0.5m Maintenance Low Water need: Low

Chalk, Loam, Sand Soil type: Acid, Alkaline, Neutral Moist but Well-Drained . Soil Drainage

Bees, Butterflies Attracts: Tolerance Drought, dry soil

## Anemanthele lessoniana

New Zealand Wind Grass



Hardiness Zones: 8-10 Plant type: Ornamental Grasses Plant family Poaceae Genus: full sun, partial sun spring (early, mid, late), Season of interest

summer (early, mid, late), autumn, winter Colours:

semi evergreen, dark green during spring and summer turns into gold, copper and bronze shades during fall

Height: 0.6m - 0.9m Spread 0.6m - 0.9m Spacing 0.9m Maintenance: Low

Water need:

Soil type Chalk, Clay, Loam, Sand Soil PH Acid, Alkaline, Neutral Moist but Well-Drained Soil Drainage

Attracts: Birds



Stipa tenuissima

Mexican Feather Grass

Hardiness Zones: Plant type Ornamental Grasses Plant family: Poaceae Stipa full sun Exposure spring (early, mid, late), summer (early, mid, late), autumn Colours green, turns, golden brow in autumn, silky texture 0.3m - 0.6m Height: Spread: 0.3m - 0.6m 0.3m -0.6m Spacing: Water need: Low, Avarage Soil type: Chalk, Clay, Loam, Sand Soil PH: Acid. Alkaline, Neutral Moist but Well-Drained

## Leucantthemum vulagare

Ox-Eye Daisy



Hardiness Zones: 3-9 Plant type: Plant family: Compositae Leucanthemum Genus: Common name Daisy Marguerite Exposure full sun, partial sun spring (late), summer (early, mid, late) Season of interest: whitedailsy flowers with Colours: golden yellow centres, atop a lush basal rosette of dark green leaves. Height: 0.3m = 0.6m 0.3m - 0.6m Spread: 0.3 - 0.6m

Low

Avarage

Butterflies

Dry soil

Chalk, Clay, Loam, Sand

Acid. Alkaline. Neutral

Moist but Well-Drained

Spacing Maintenance Water need: Soil type: Soil PH: Soil Drainage: Attracts Tolerance

## Papaver rhoeas Flanders Poppy



Plant family Genus: Common name: Colours:

Poppy, Red Weed, Corn full sun Exposure: Season of interest: spring (late), summer (early) wildflower, red flowers (7-10cm wide), atop long hairy stemsand pinnately lobed, cut or toothed, hairy leaves

3-9

Papaveraceae

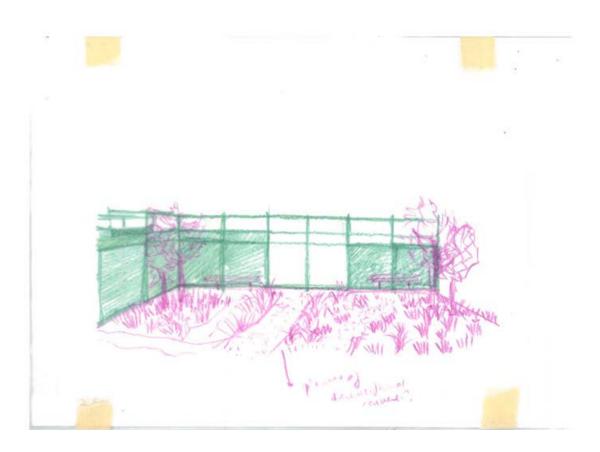
Hardiness Zones:

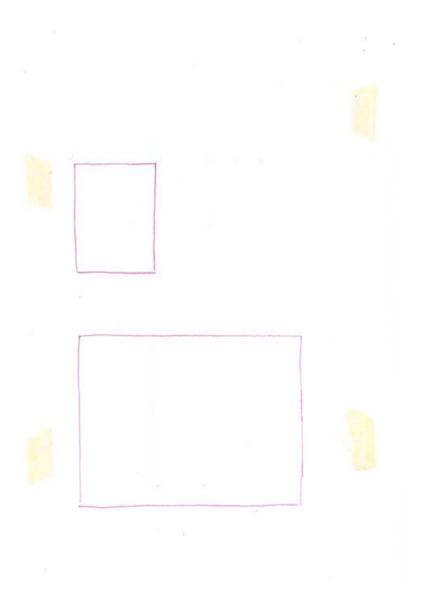
Plant type

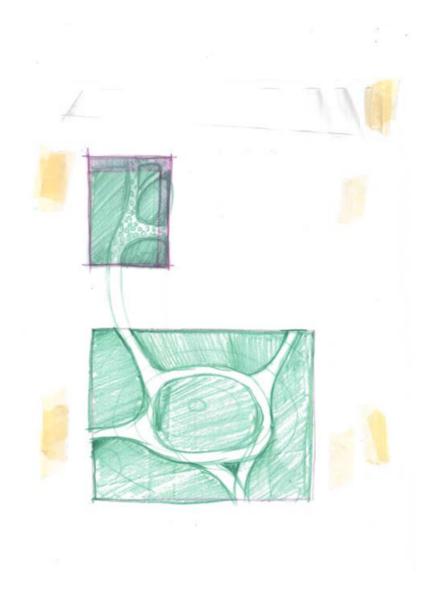
0.3m - 0.6m Height Spread 0.15m - 0.3m 0.15 - 0.23m Spacing: Maintenano Water need: Avarage Soil type: Chalk, Loam, Sand Soil PH: Acid, Alkaline, Neutral Soil Drainage Well-Drained



week 4.1 44 45 week 4.1

















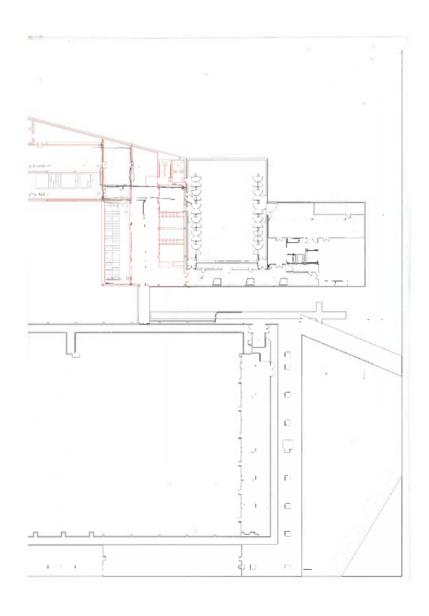


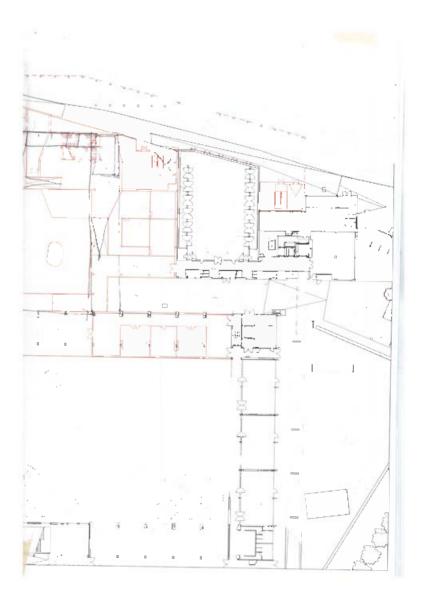




week 4.1 60 61 week 4.1

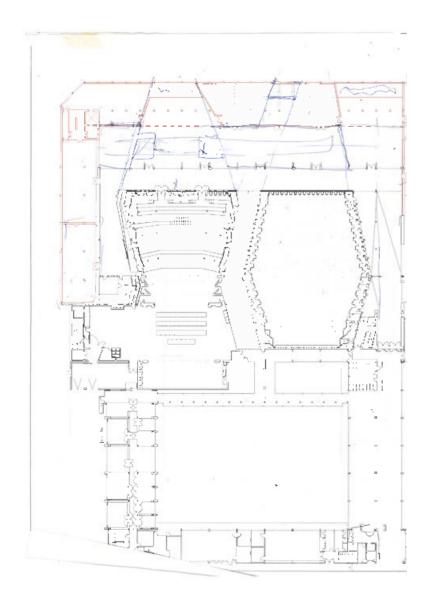


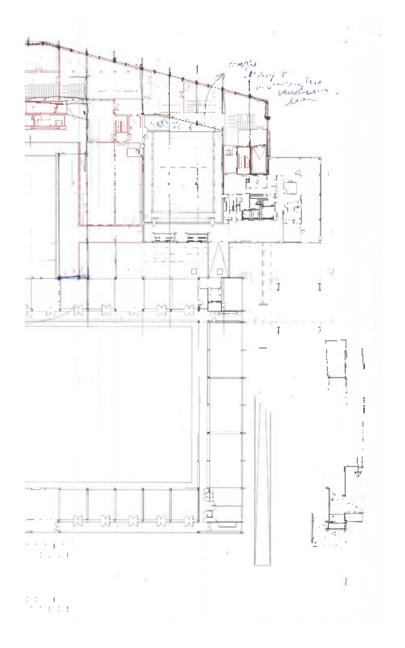




week 4.1 64 65 week 4.1

- 52. Made by Daniel Rosbottom, possible modification in the plan 1, 2025
- Nade by Jamier Rossottom, possible modification in the plan 1, 2025
   Made by author, view from under main Beel ramp towards backstage entrance, 2025
   Made by author, view from backstage entrance towrds the street, 2025



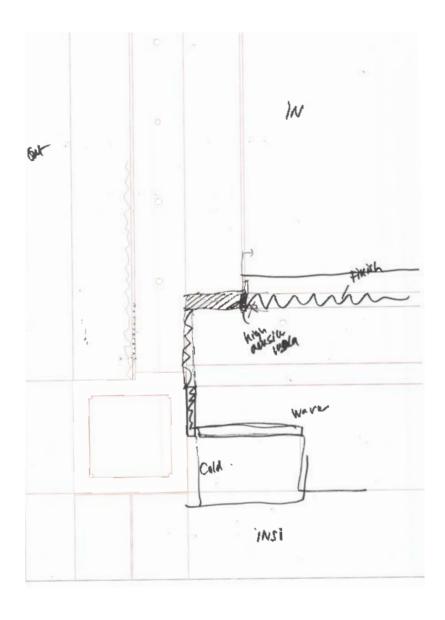


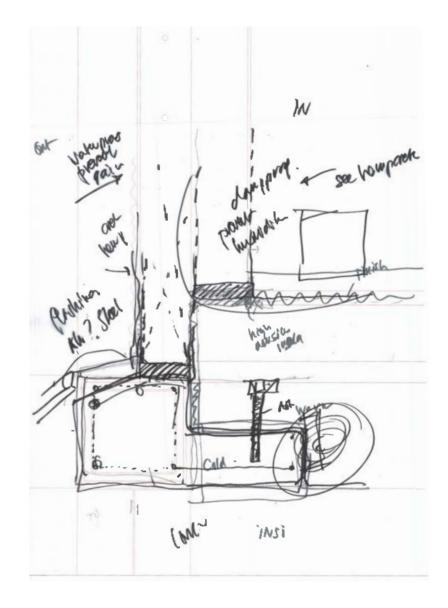
66 67 week 4.1 week 4.1



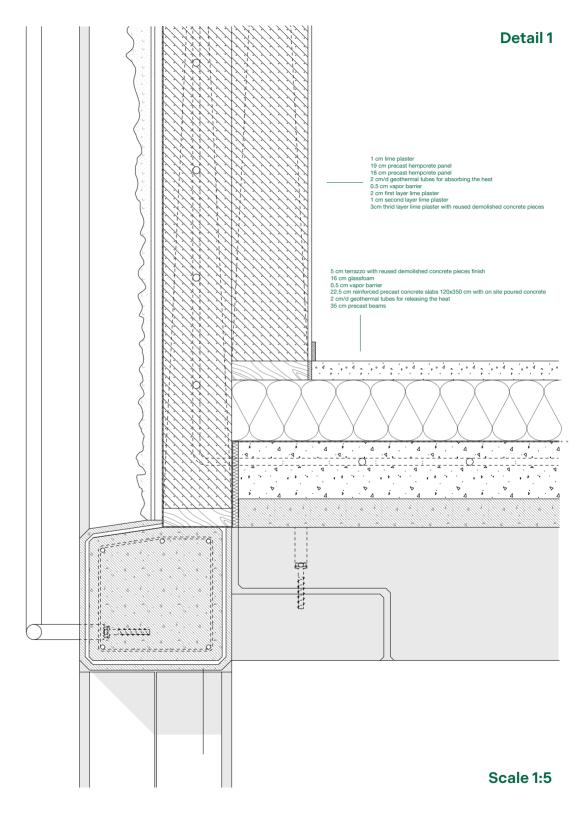


# How can the materiality of the different facade elements enhance the whole concept of the building?



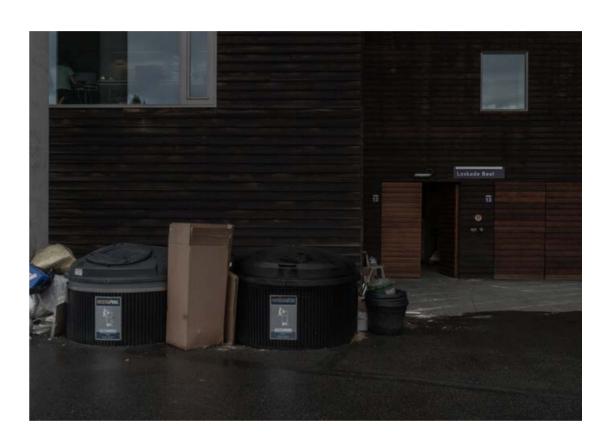


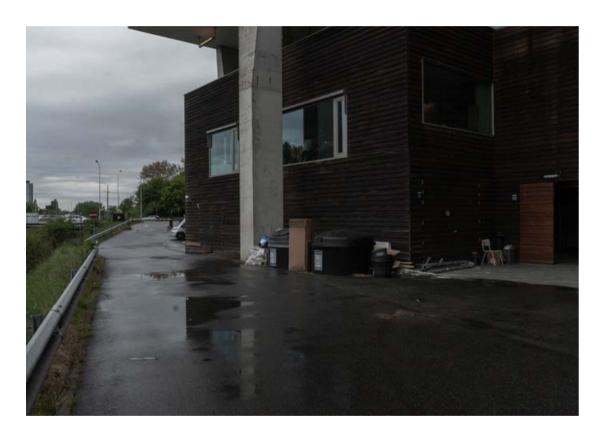
week 4.1 72 73 week 4.1



week 4.2 74 75











week 4.2

#### On Highway E34: The Ring Road

As already mentioned, DeSingel's relationship with its landscape has evolved significantly over the years, beginning with the original idea that the terraces on the south façade would open toward the landscape — embodying the modernist aim of connecting architecture with nature.

However, considering its position on the outskirts of the city, the plot selected by Stynen became an "in-between" moment between the city and the ring road, also known as the E34. This shift took place during the construction of the first phase (1963–67), as the E3 works began in 1965.

This new interaction with the highway profoundly changed the perception of the exterior space — the microclimate that initially motivated Stynen's choice — and transformed the relationship between the building and the broader city. In particular, the role of the terraces changed most significantly: originally conceived as a space offered to the public, intended as a place where anyone could take a break from the city. Nonetheless, the terraces were still constructed during the second phase, even though the original view of nature had been replaced by the view of the highway.

What may not have been fully anticipated was how the role of the highway itself would evolve over time. In its early days, the highway remained a largely empty, non-inhabited space — a kind of deserted element that created a barrier between the building and the surrounding landscape.

Over the years, however, the highway's role shifted: from the appealing, futuristic ideal of the "royal road of the future" (Delalex and Moreau 2023) to an underdeveloped fragment within the urban fabric.

What was once considered one of the greatest inventions of the twentieth century gradually became a monotonous landscape where people pass through, get stuck in traffic, stop at gas stations, and eventually reach their destinations.

In some ways, it could be compared to an open airport: an exterior public interior that remained underdeveloped, framed by unattractive building façades. It fails to offer a meaningful experience — not only because of the views but also due to the constant noise, which affects both the highway itself and the

adjacent buildings. DeSingel stands as an example of this transformation.

This is where my project finds its meaning. Its role, situated along the highway, is to offer something different to the public: a façade that lies somewhere between nature and architecture. At the same time, it aims to shield the interior spaces from the negative effects of the highway environment.



week 4.2 86 87 week 4.2





"The non-places, these are as much the installations necessary for the accelerated circulation of people and goods (expressways, interchanges, airports) as the means of transport themselves or the large commercial centers, or even the camps of transsit prologé where the refugees of the planet are parked."

(Augé, 1992)

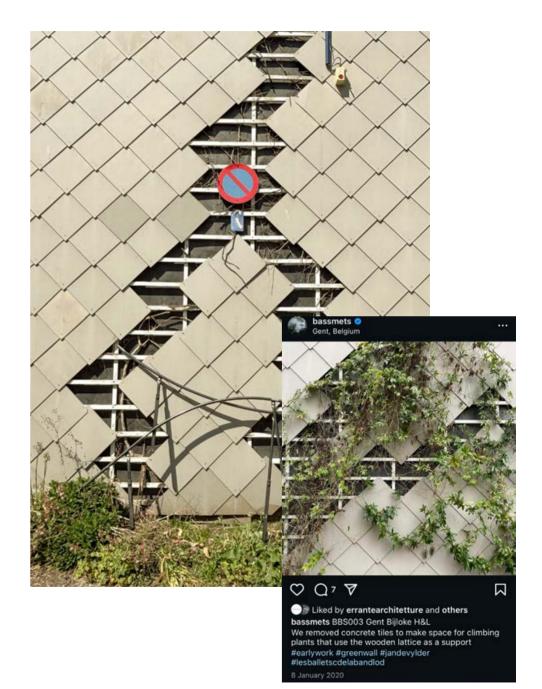
week 4.2 90 91 week 4.2

## **HOW NATURE SHAPES ARCHITECTURE**

#### **GARDENS IN THE CITY**

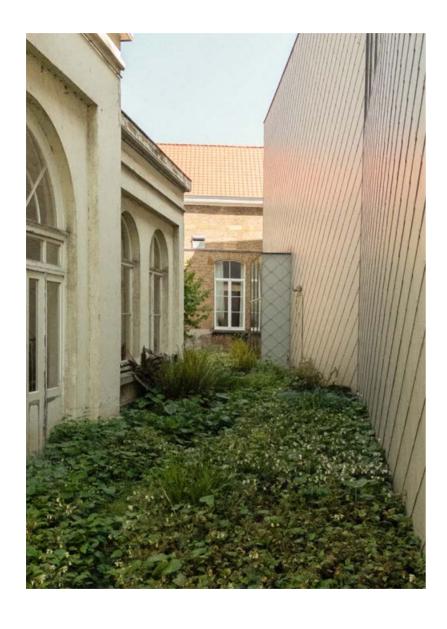
## **BELGIUM**



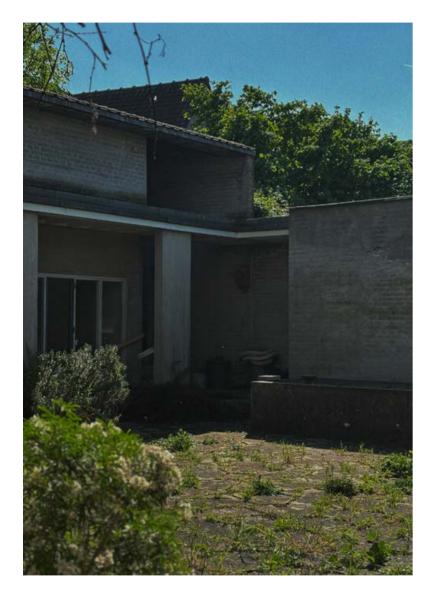




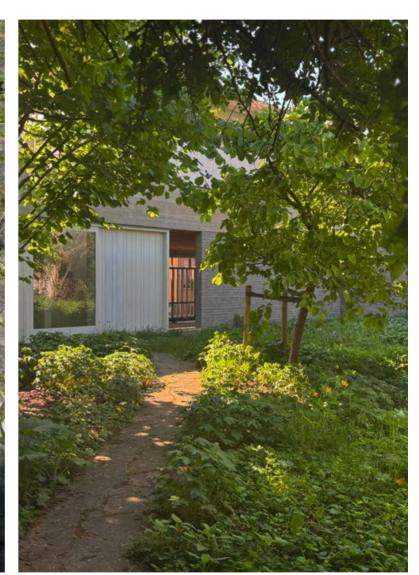


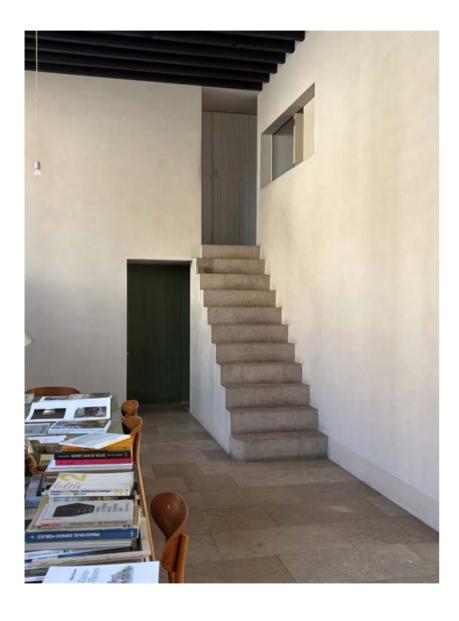








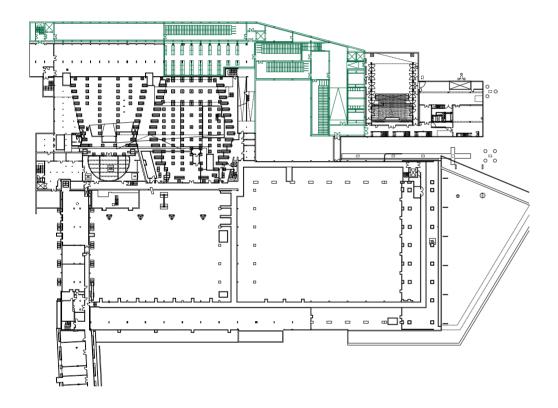


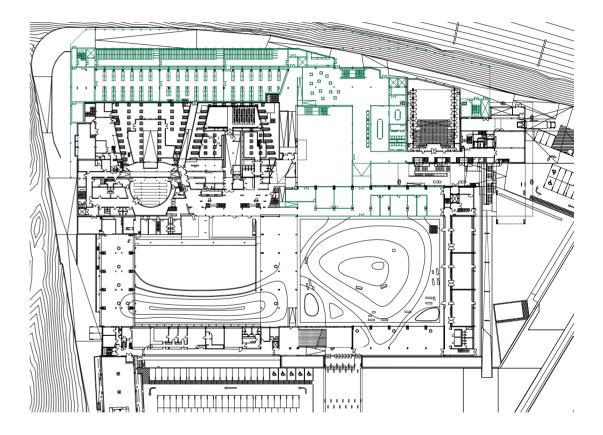


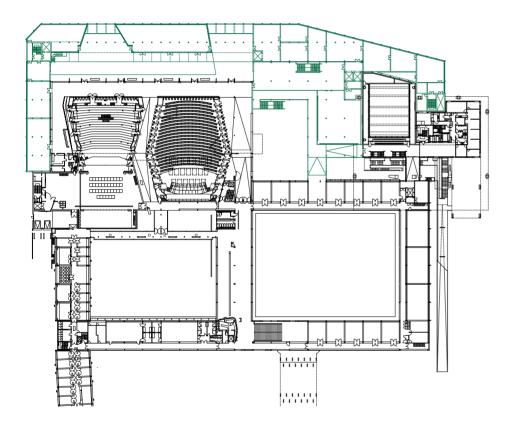


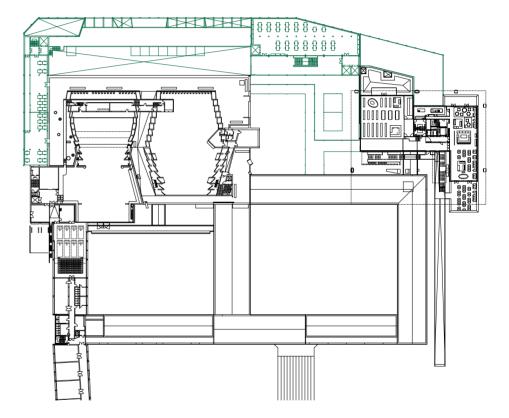


103









#### On Structure and Facade

During my research on possible materials and ways of designing the façade, I always wanted a clearly defined main structure, something akin to a retaining wall, with an infill that could vary along the entire façade. This desire for a flexible, adaptable structure is one of the main reasons why I chose precast concrete for the façade.

A precast concrete structure offers the potential for future modifications, meaning that, if needed, the archive could be expanded with additional floors without requiring a complete overhaul of the main structure. This flexibility is a key advantage.

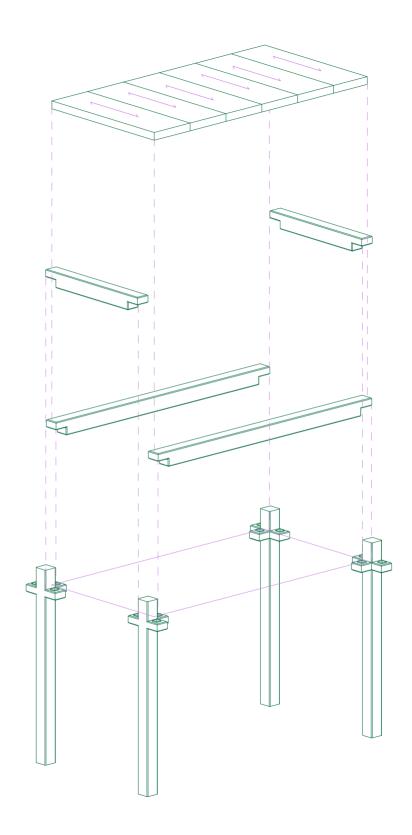
But why precast concrete specifically?

Firstly, the back street of the site required a passageway for trucks, essentially creating a tunnel-like space. I wanted to keep this passage open, similar to the tunnels often seen in alpine regions. Precast concrete columns allow me to achieve this by creating a sequence of repeating elements, reminiscent of the existing Stynen façade, while maintaining structural openness and rhythm.

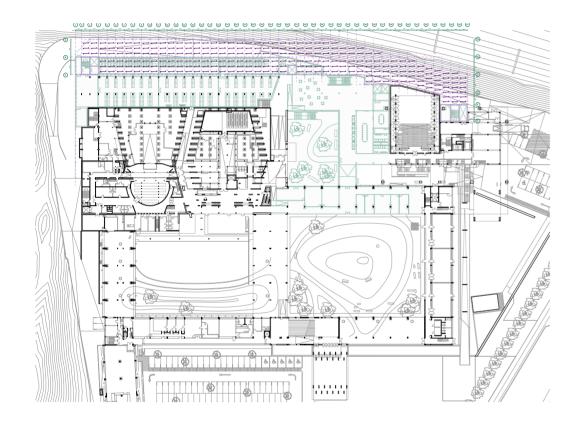
Additionally, the brutalist character of the exposed concrete aligns with my desire to make the building's structural logic visible, expressing the load-bearing elements as a clear architectural statement from both the interior and exterior. This also allows the structure to engage in a dialogue with the nearby highway, presenting concrete not just as a utilitarian material, but as a meaningful part of an architectural composition. Precast concrete also has significant sustainability benefits. It is produced in a controlled environment, resulting in less waste and allowing for the reuse of molds. Moreover, the mix can include supplementary cementitious materials, like natural pozzolans, which help reduce the carbon footprint.

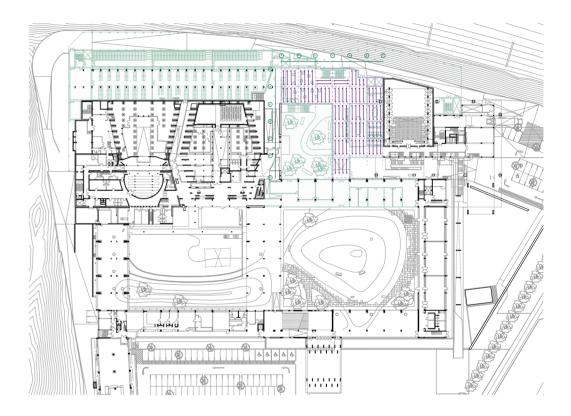
Thermally, concrete's high mass helps regulate internal temperatures, which, when combined with the hemp-crete infill, creates a façade with excellent thermal performance.

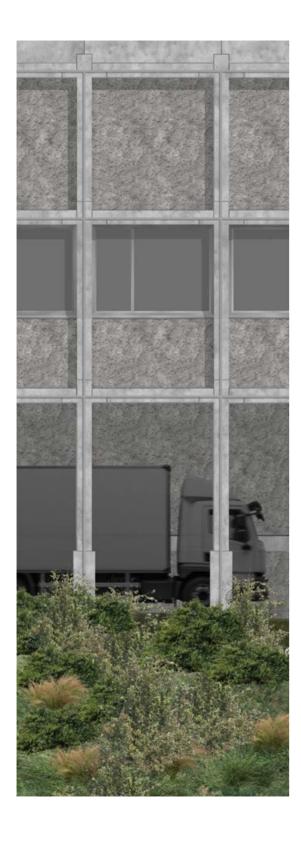
Finally, precast concrete offers practical advantages in terms of construction speed and reduced site disturbance. It is faster to install, generates less noise, and minimizes disruption to the surrounding area, which is particularly important when working next to existing structures.

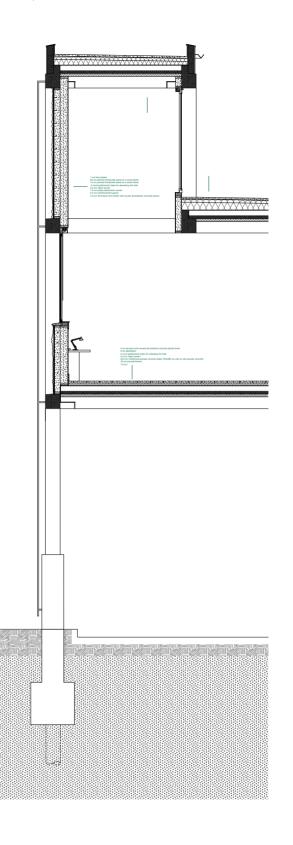


week 4.3 108 109 week 4.3

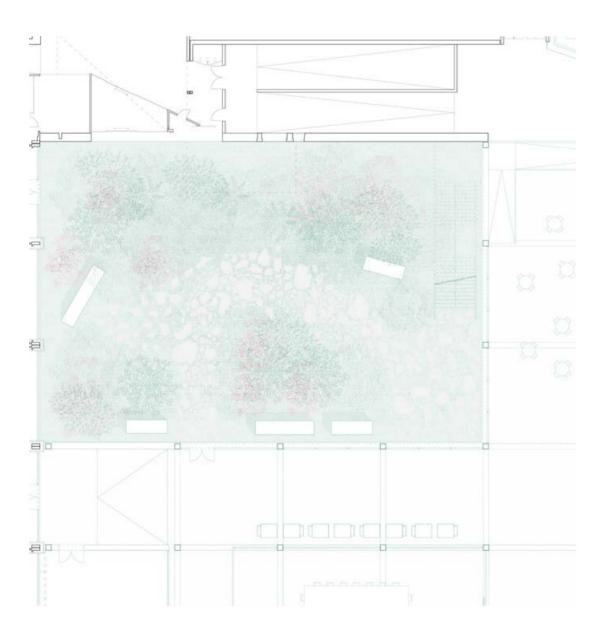


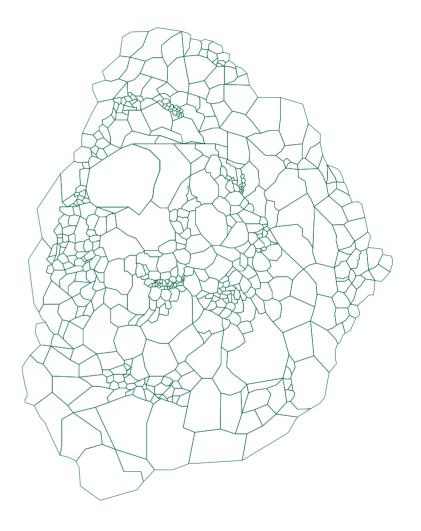




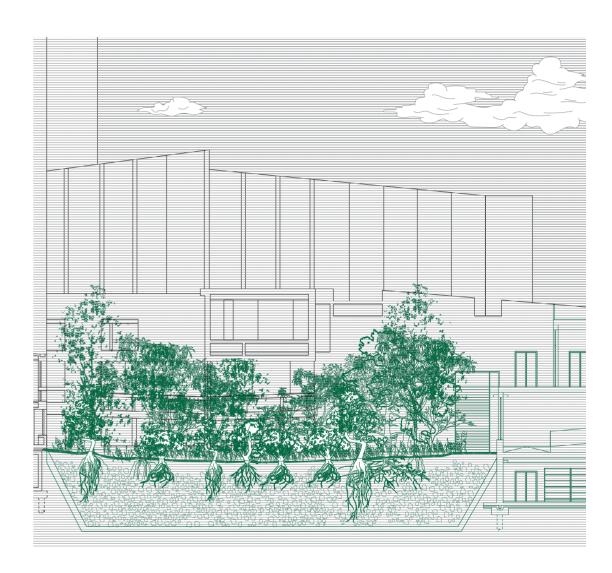


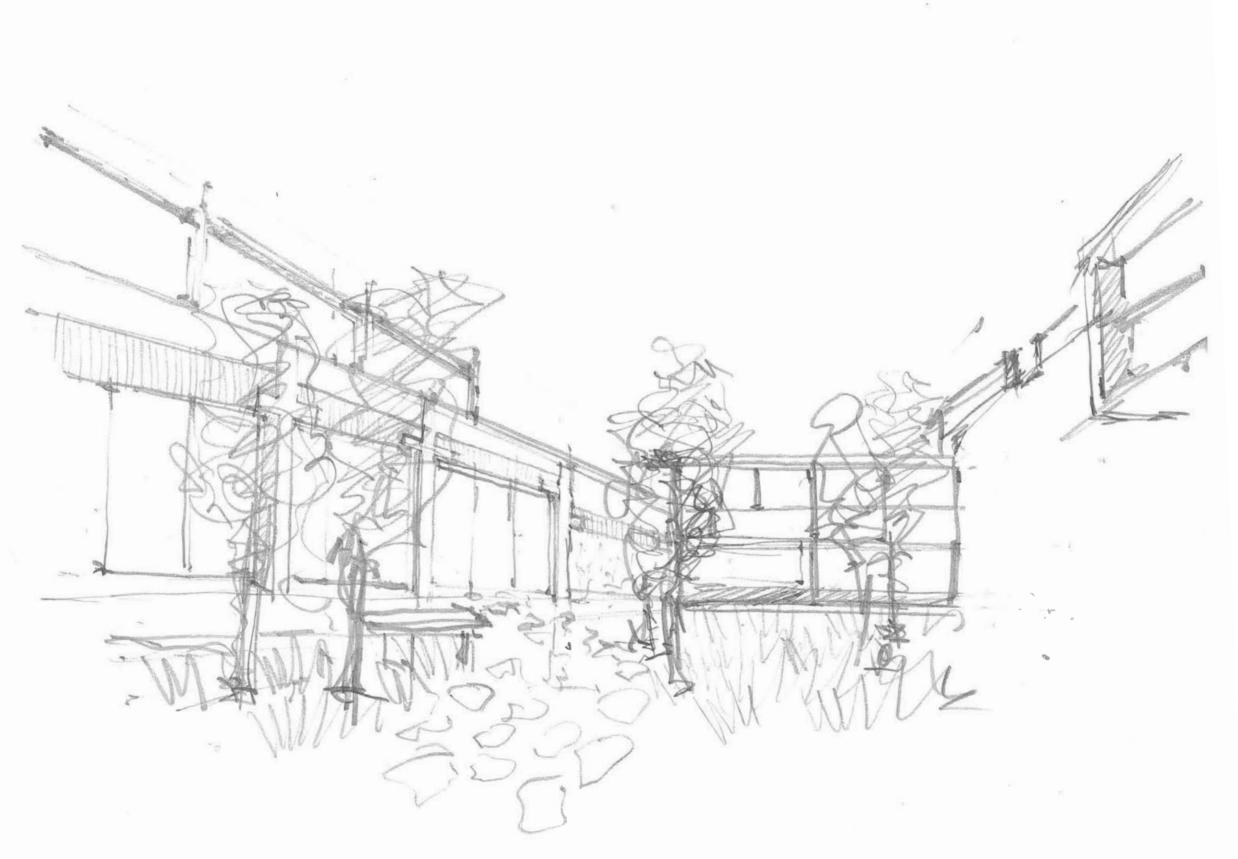


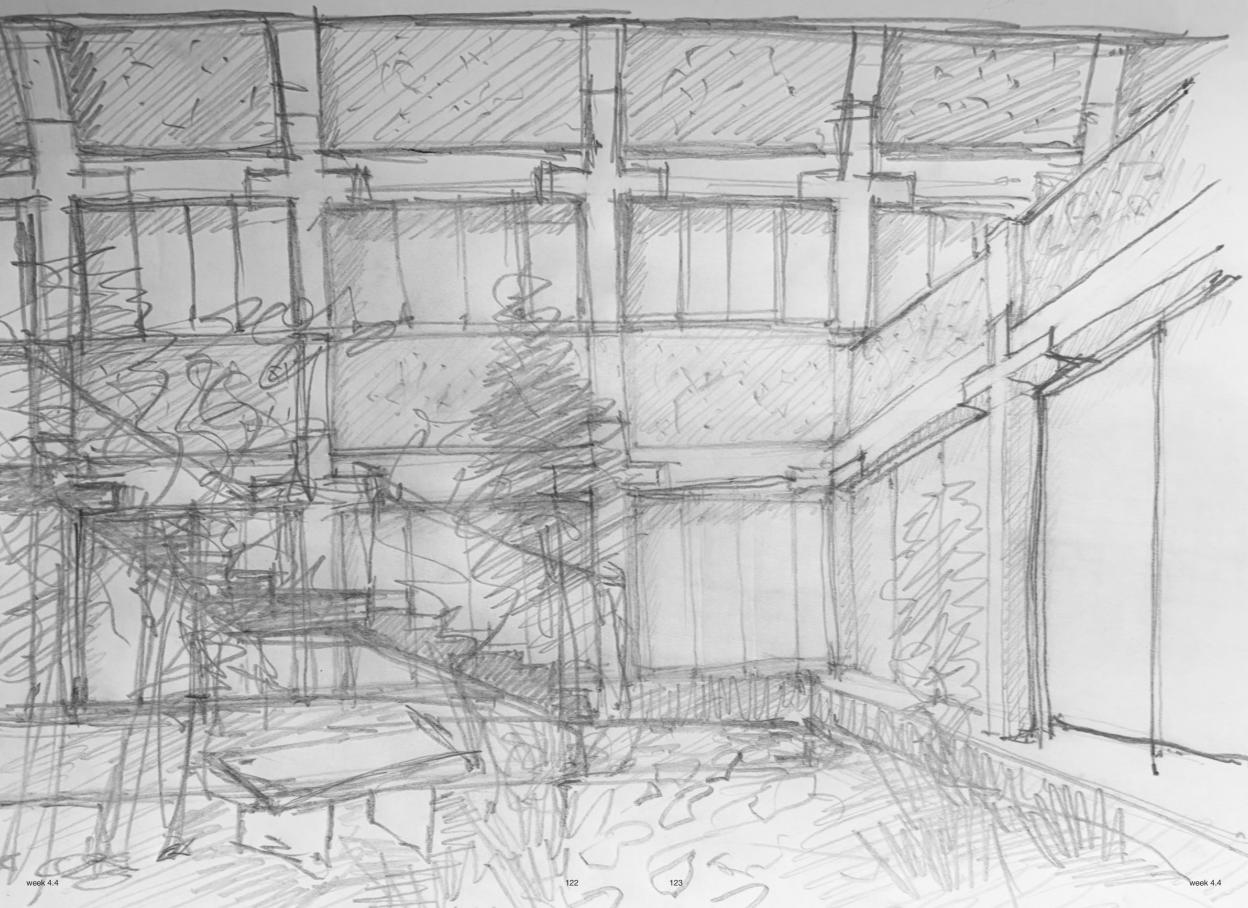


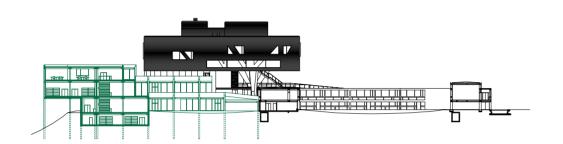


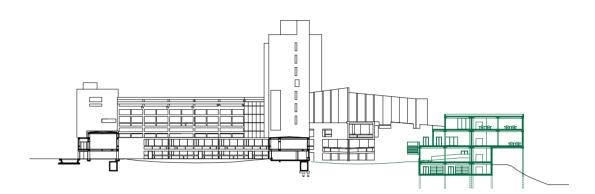
- 92. Made by author, detail section of new courtyard, 2025 93. Made by author, skecth view of new courtyard, 2025

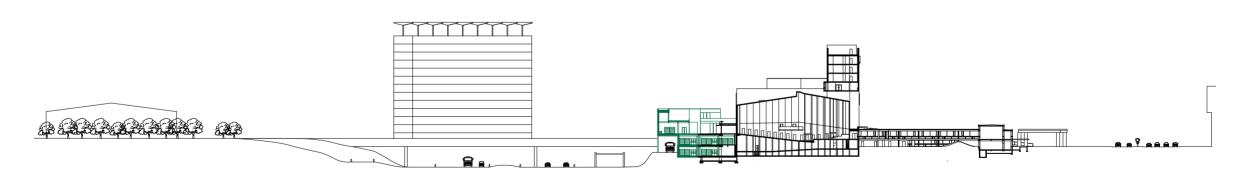


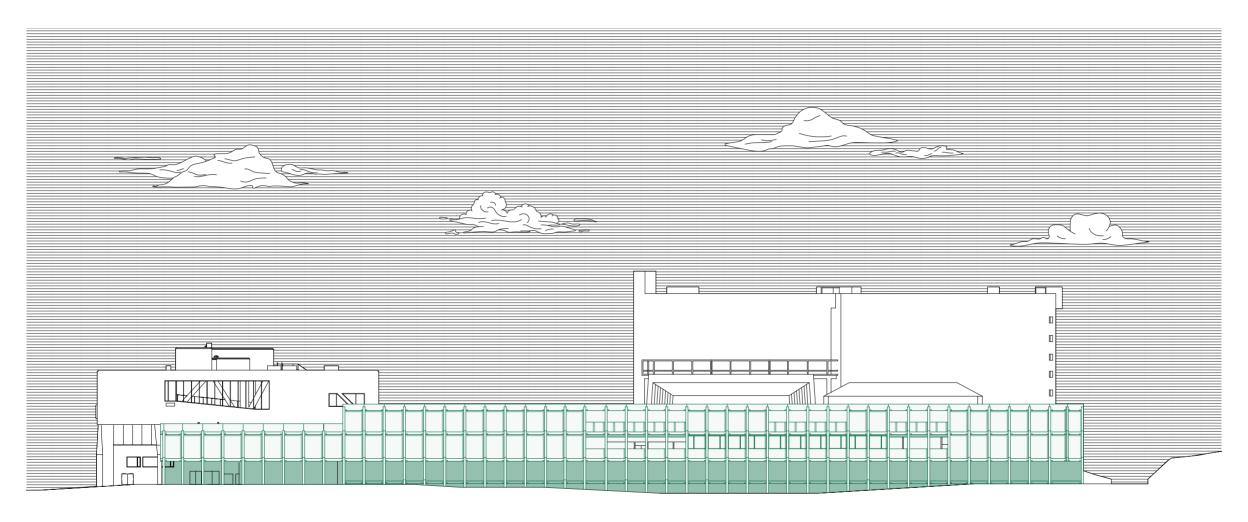


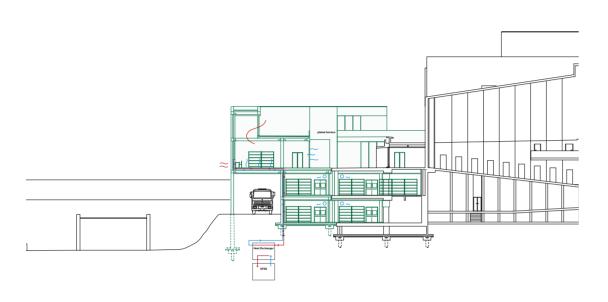


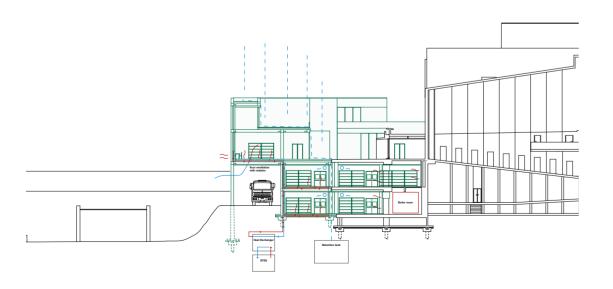


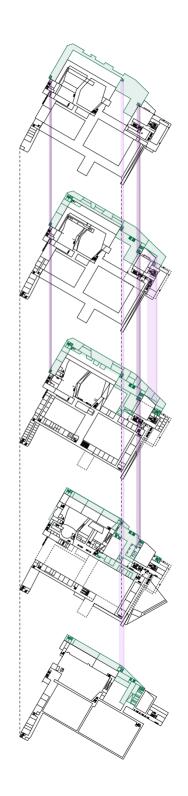




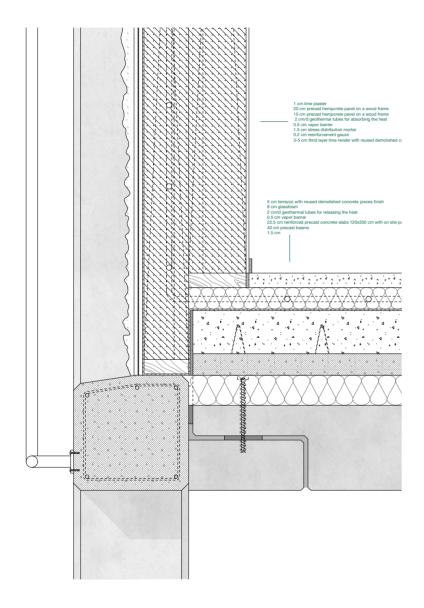


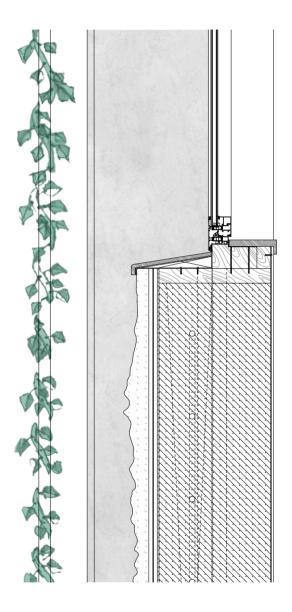




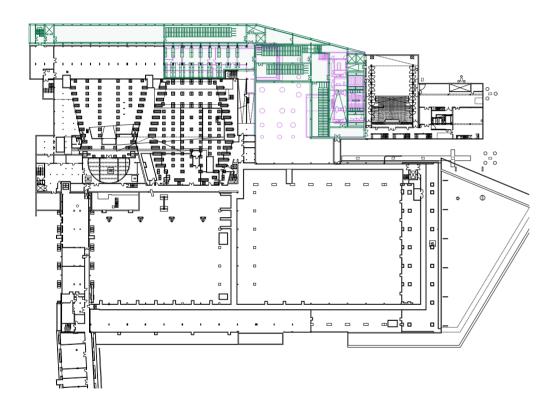


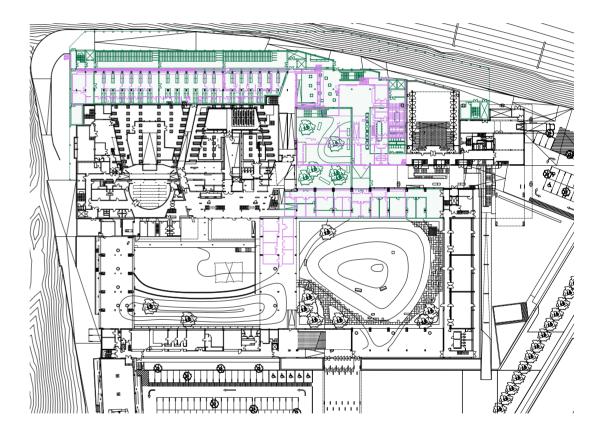
102. Made by author, wall and floor detail, 2025



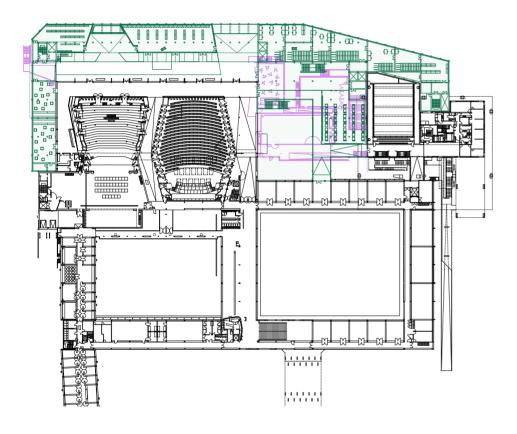


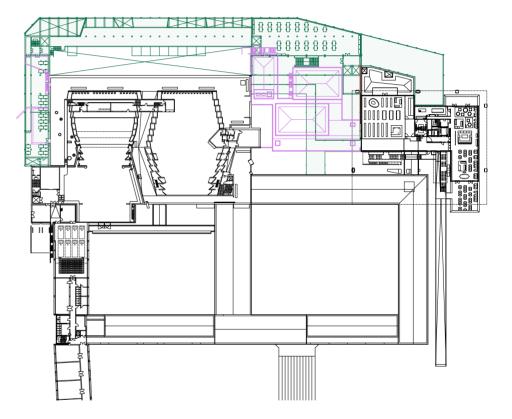
week 4.4 130 131 week 4.4





week 4.4 132 133 week 4.4

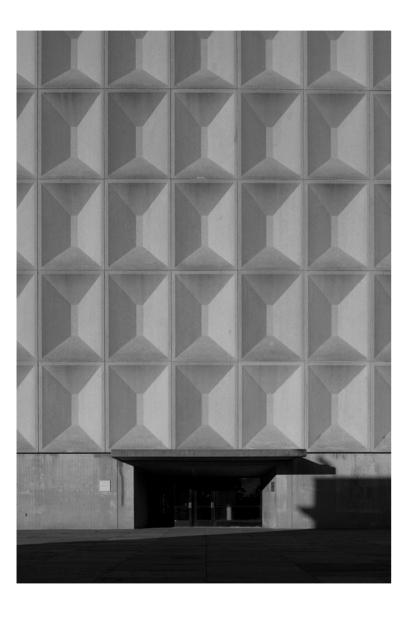




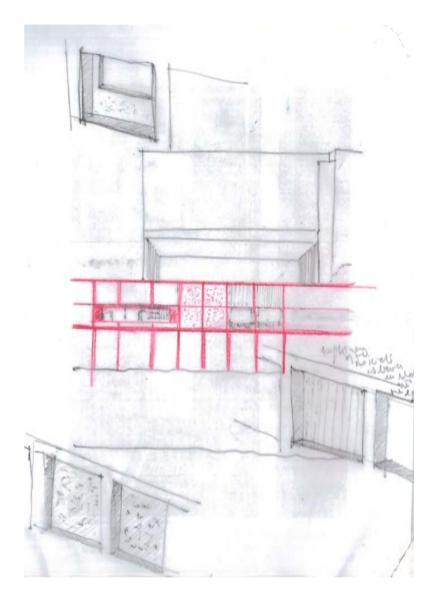
week 4.4 135 week 4.4

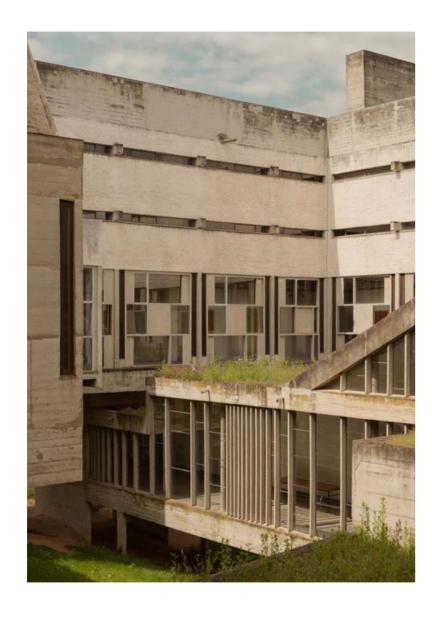














week 3.4 144 145 week 3.4







ICA FAQ 1. Shelving for Archival Storage - Key Issues Prepared by ICA Committee on Archival Buildings in Temperate Climates (ICA CBTE)

olemati

# FA 1. Shehir

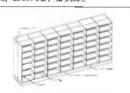
Proposed by the ICA Committee

Side ing for let the storage cores in men, staces, acces and neprods of betreben. The rotes that if low are mander operated over each tile, issues to consider if No. Was nebugg between about one ling.

To understand thereing landing with some it is necessary to begin with game pass term relega-

- Badis are the endostry latter to the rest places of shelling. They there there are the present.
- services of the property of th
- Burg as the back under being. The lones of a single back large ameting set, ungred or soft a back date or leading special of course of a south part and course of the single soft and one back date of the soft and the back date of the soft as the soft and soft and one back date of the soft and soft and the back date of the soft and the soft and property of the soft and the soft
- Representation of the Control of English entire angle a page on observations between the page of the Control of English entire angle a page of observations of the Control of the Control

Steet 1 Mar do name of the process.



The Programme School and

## 27 L 40 M 5 YES MILE M DE NEW Y

FREE PRESENTANT

For the test of the control of the c TOTAL CAME OF STREET CAME AND CAME OF STREET

STATES OF THE PARTY OF THE PART

ICA FAQ 1. Shelving for Archival Storage - Key Issues Prepared by ICA Committee on Archival Buildings in Temperate Climates (ICA CBTE)

to ensure that the

on and provide the control for the second for the s

The state of the second plant wife of the grant sections for the plant section and the second plant wife of the second plant sections of the section of the

#### 4 Transferred American

- The state of the state of
- Extraction and the second seco

# 5. What should you consider when choosing between hand operated and electric shelving?

Mand operand photographs much chapper than electrically operated site origit. At there are few mechanised comportents, there is till eithat can break bown, or need replacing. Beetings by operated shelling is very easy to operate, there is always the possibility that, over cline, components occurs mechanism or decome observed.

### 6. Wooden and steel shelving

The cooks of she's no materials at us also between wood or sheet.

- Wooden shahping can be visually attractive, but I you decide to use it woulshould ensure that it has been beased to prevent attacks by insects, and that it is fire resistant.
- Steel shelving sitistary made from bright in distretand then treated, tither with teint or a powder tosting, to protect the soffice from stretching and reduce the poster its of rushing.

## ". What should you look for when choosing second-hand shelving?"

Plyou are planning to use second-hand after ing there are a number of precautions valuation to face. First, you should ensure that there is no nut present. But can contain nate the records. If personally severe, it can also reaction the strength of the side ling.

If the shell-ing has minor rust or some other contaminants (egignesis), it should be deened and, if necessary epainted. At the very least, place alloyer of tandpoord over the shelves as a puller between them and the

You should also ensure that there are no rough edges or burns on the shelving that could injure staff or

## 8. What accessories ead be provided as part of your shelving?

Shelving comes with an array of accessories designed for specific record formats. For example

- Side out inflaments shaftes can be attached directly underneath a sheet. They can be extended, by monit of runners, allowing the operator to place sension them, at walst height, and not on the floor when not not be they retain underneath the sine flabour.

  When not not use they retain underneath the sine flabour.

  When madds (known in Austria diagnostic rates) because of their similarity to toast notices; can allow
- terms such as complined races and films to be stored unions.
- terms sources content access and minutes to be stored supergress. Braddlets along not wisdows firm can retens to be stored fore position. The brackets are established to the Langiths and are sometimes known as 1944al sharing, because they retemble the wexip assations are stored.

In addition, there are cardholders, goodely and dividers that can store thesion other objects within the

# 9. How do you ensure your shelving remains stable?

Whatever height the shelving is, it must be stable. Measures must be taken to ensure it cannot topple over. This is particularly the case when units higher than seven or eight shelves are used. Advice should be sought from the manufacturer.

COFC Library in conveying site team Process to the easy access to a graduate of the

Note that the districted statute instance the media when the state  $\eta$  and the first very fixed the district and the state of the property of

### II. 3ee and see in car is accomposited in a given floor area?

shelving layout is establishing how much shelving will actually fit the second of the

#### Media sherror

Liver and the control of the control

Static enabling

• Usquare metre of upon storage area and accommodate 7 Inear metres of storage il-8 high (2,475 mm) storts she way is installed.

Those ratios are averages and are intended to give you a rough estimate. Pit any, an conditioning insertious, and debet obstructions will reduce the space available for she sing.

## 11. How do you number the shelving?

With a large shelving installation covering hundreds of metres, it is important to number of shelving for case of location and retrieval However, if linances are a problem, a simpler method is coincriber the end ingrights only (in the ones laced the minh a skell. This way you ison't need to individually musher cach bay or shelf. Auroce using the shelving can simply count off in the bays from lift to hight, and the shelver from cop to bottem.

# 12. Why should you allow for sentilation in and around the shelping?

Large installations of high she wing can restrict the airliew within a storage area. When designing a shelving installation it's important to allow for sufficient verbilation in and around the shelving, to help preyrive the records you are storing

In order to promote better ventration it is suggested that the wholeng installation should not be in direct contact with the walls, a distance of 200 min is recommended.

Some organisations don't use backs on their shalling nows, preferring to have cross bracing instend. This will containly allow for guidance action, but you do need to ensure that the shelving is shooturally status. Same manufar lurers use components in uprights and she'ves in that have pre-onlied holes to provide greater

### 13. Are there any occupational health and safety names to be considered when designing a shebling lavout?

There are a number of occupational health and safety issues that should be considered when designing a

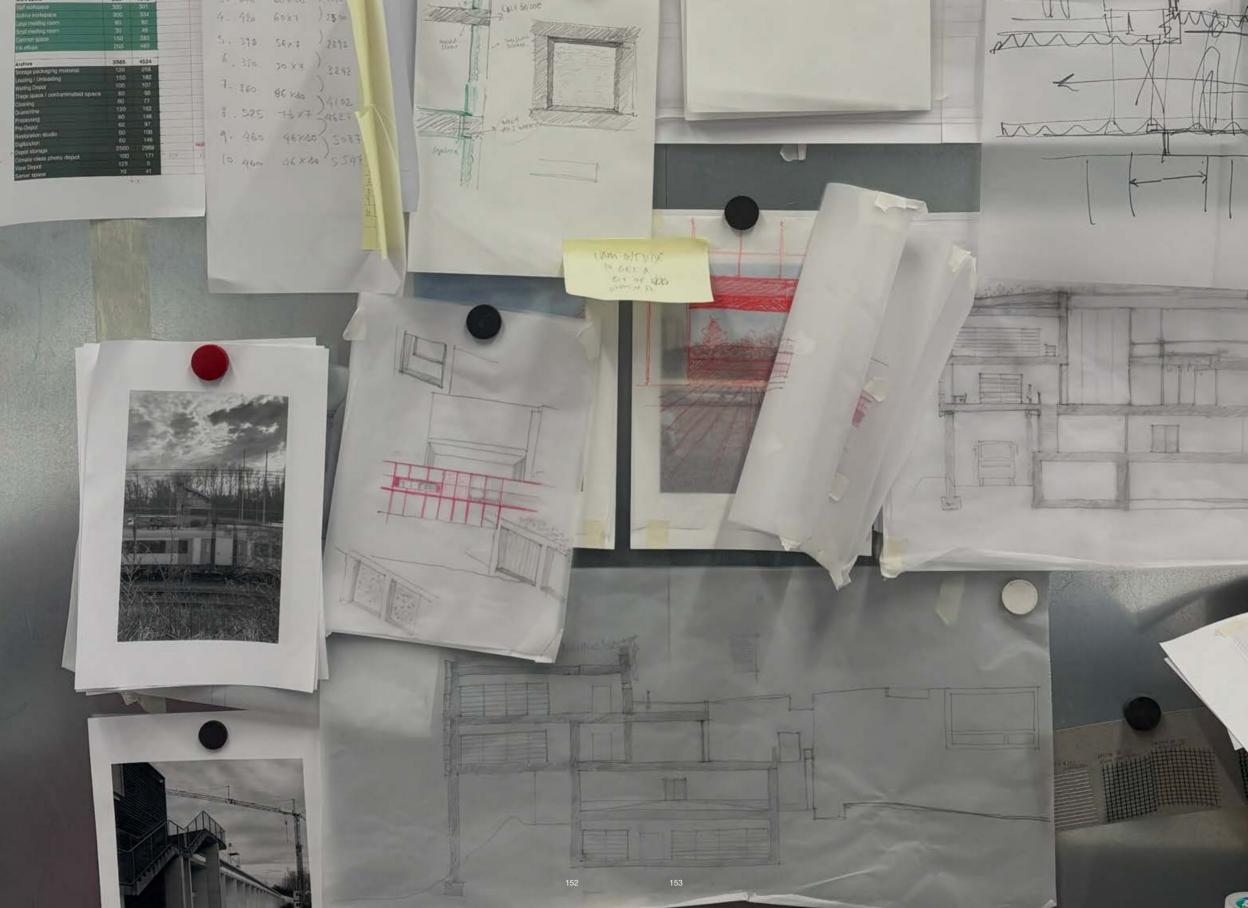
There are a number or occupations in region and times y has been considered as some of mediated as some of mediated as some of mediated as a service which selected are referred to the mediated as a service which selected the mediated as a service of the selected when the selected when the mediated and the in pace of allow staff to return the nearly, or bulky, then from the high she way? In this context, it's a good selected place low usage records on the higher shelves.

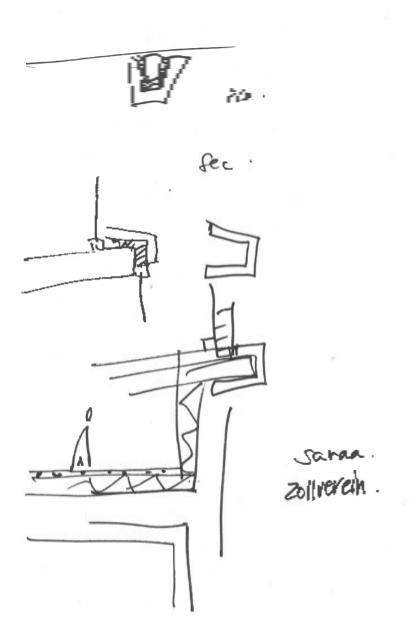
You should ensure their are no sharp edges or trains anywhere on the studying. Otherwise, staff can cut inemselves, or records can be damaged.

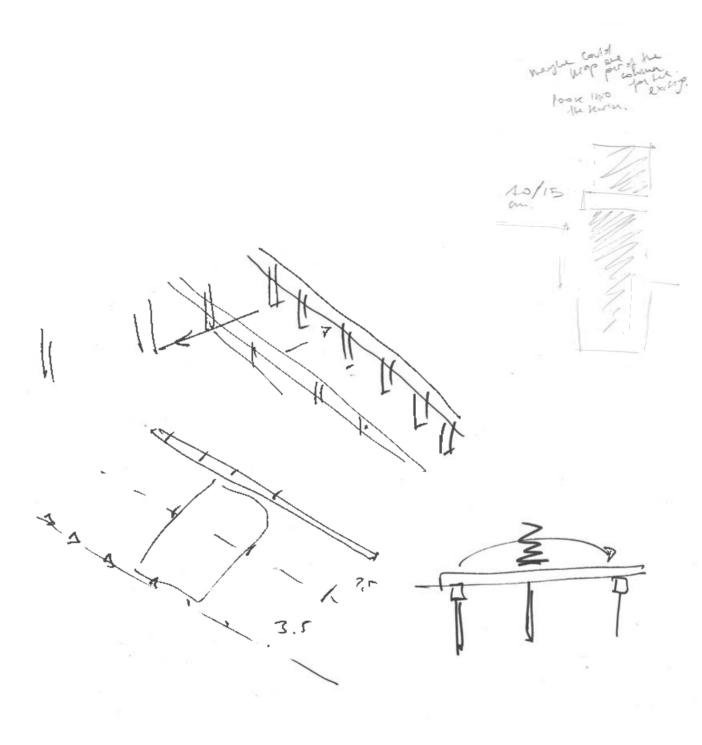
If you are using solver ground tracks, a level from should be installed. It should be built after the tracks have inche to display the state of the front solver ground tracks, a resolved if the front is untained to the (reg following staff complaints or arciadnes; a will be crussal-should more expense.)

## 14. How do you design a shelving layout?

With the knowledge of sheking and hacking systems outlined above, it is now appropriate to consider some of the key design issues affecting shelving rayout. Type of shelving





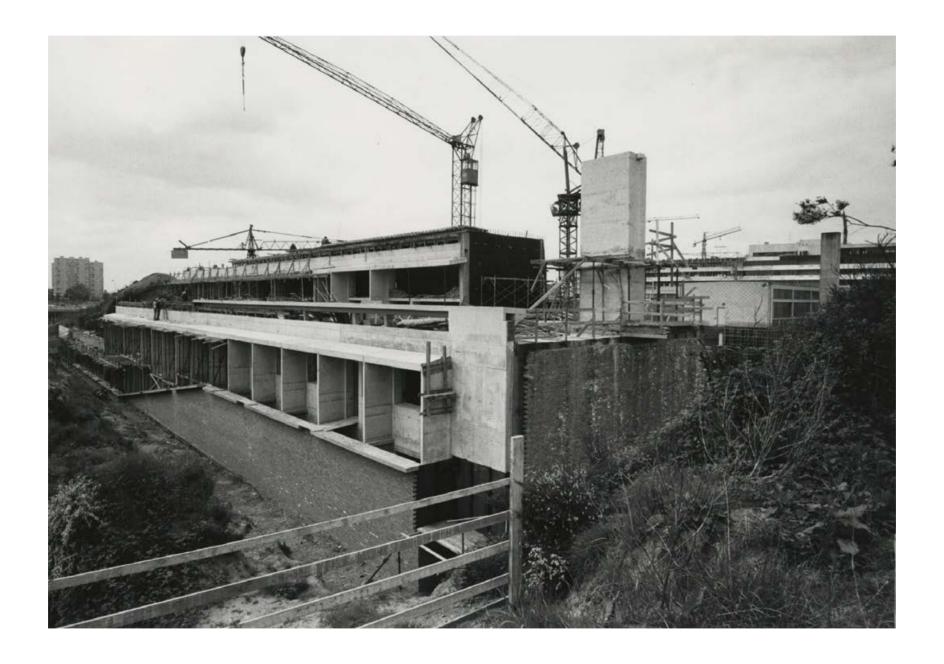


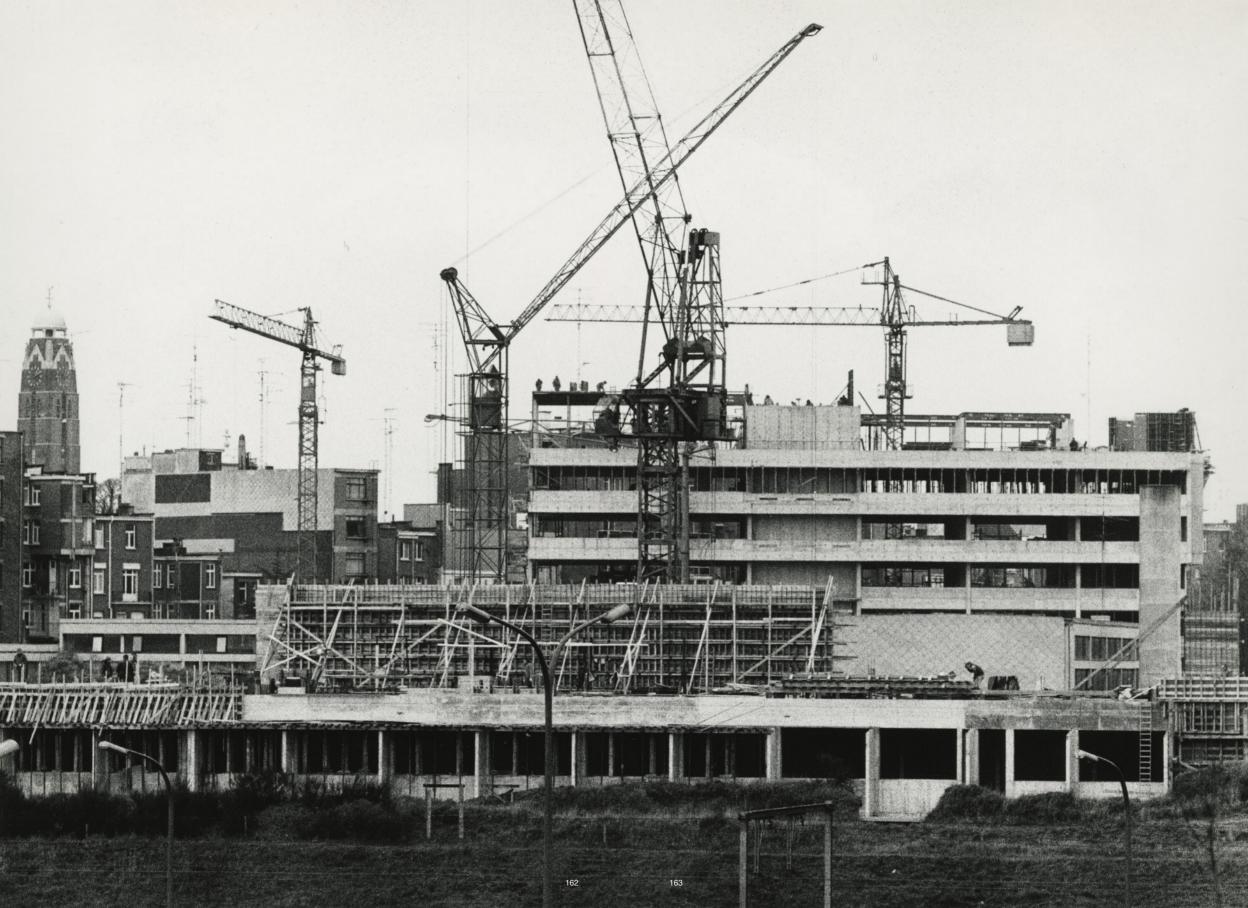




week 3.5 156 157 week 3.5







# Geothermal heating system

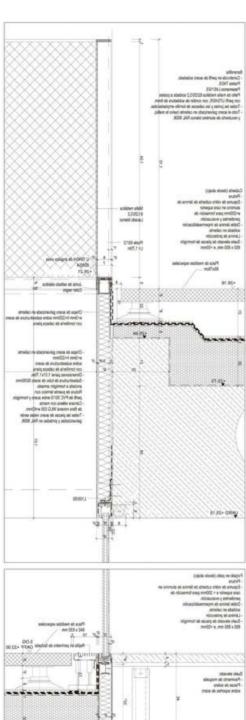
SANAA

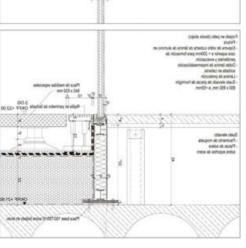
Zollverein School of Management and Design Essen, Germany Realization 2003-2006

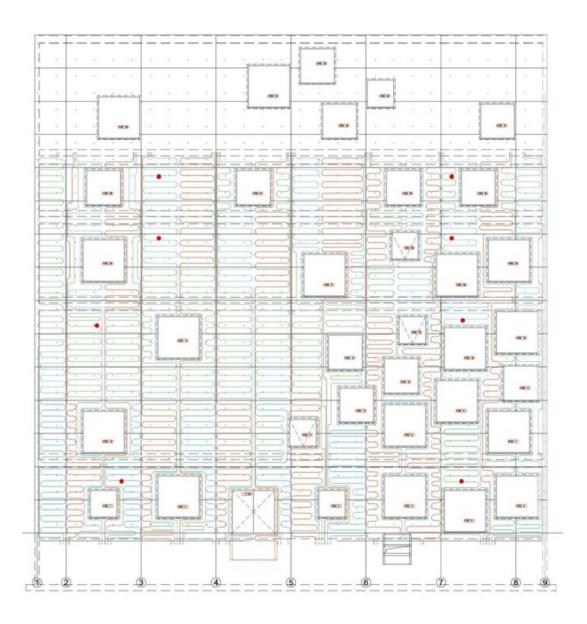
The building is mainly concrete with a system of active insulation consisting of a network of pipes hidden in the walls that permit the circulation of water - the thermal pit water that is still pumped from the ground - over the entire facade at a temperature of 27°C, helping to regulate indoor temperatures and reduce energy use.

This concept could somehow be incorporated in my building by adding a geothermal heating system. By using hempcrete fillings on the "wall" facade, on the south side of the building, the pipes could get the heat and store it in the ground under the building. Therefore, releasing it during the winter to keep the warmth and helping to keep the cold during summer.

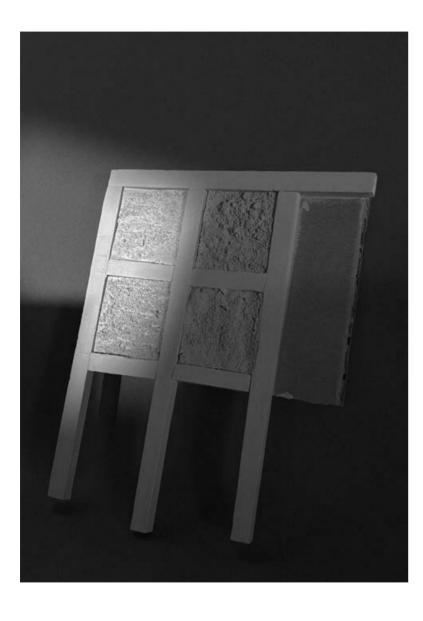
Geothermal insulation is a technique that takes advantage of the Earth's stable underground temperature to minimize heat loss in winter and overheating in summer. Studies have shown that such systems can significantly reduce the need for conventional heating and cooling, improving energy efficiency and lowering carbon footprints (Smith et al., 2019; International Energy Agency, 2021). Hempcrete, as a bio-based material, further enhances insulation by providing high thermal mass and breathability (Evrard, 2008).

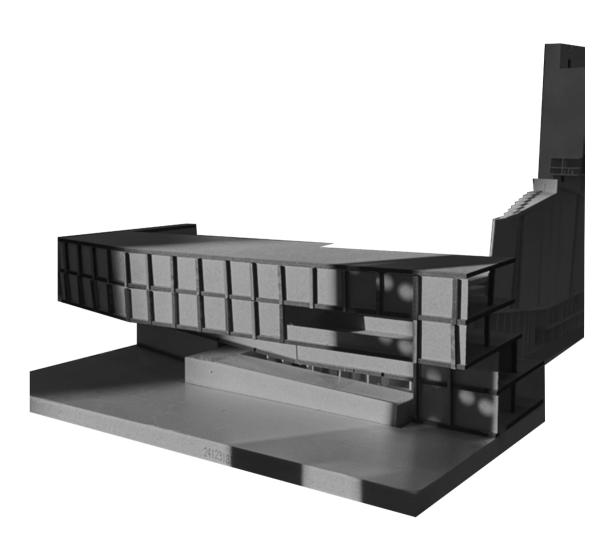


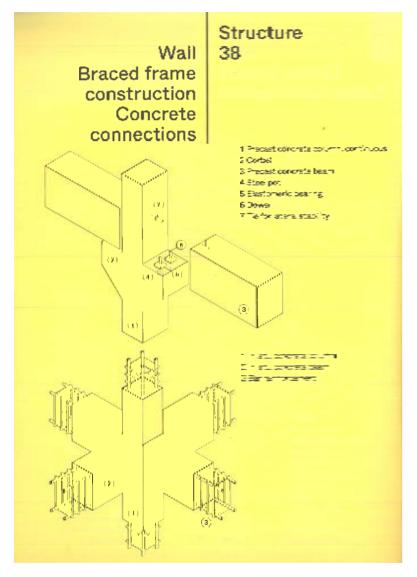


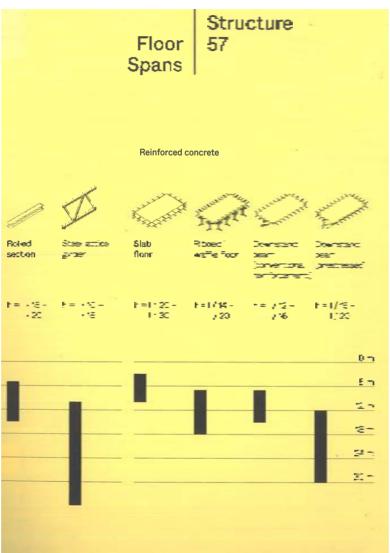


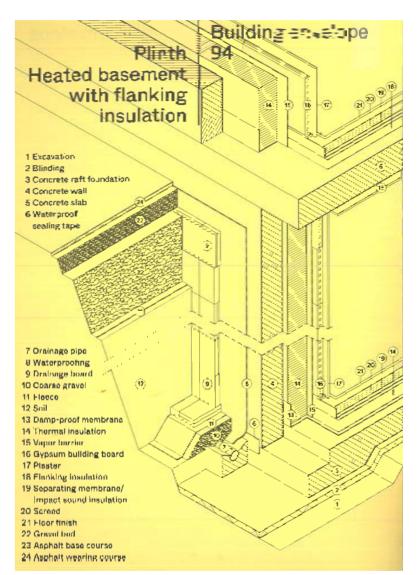
164 week 3.6 165 week 3.6

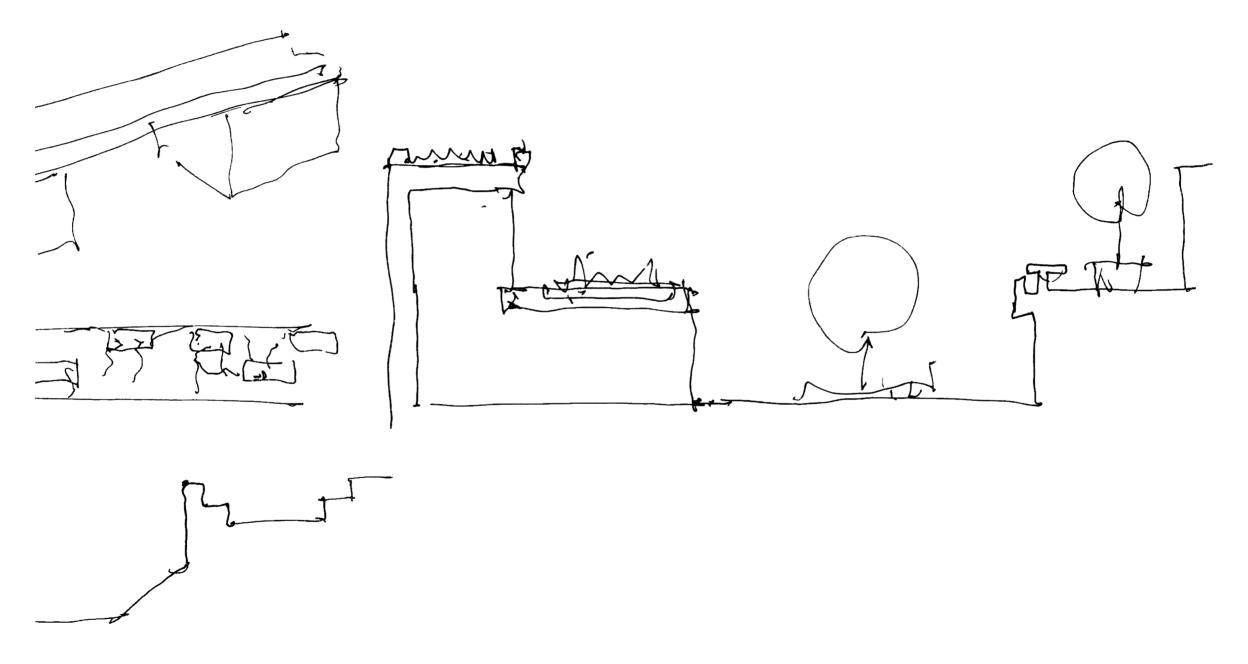




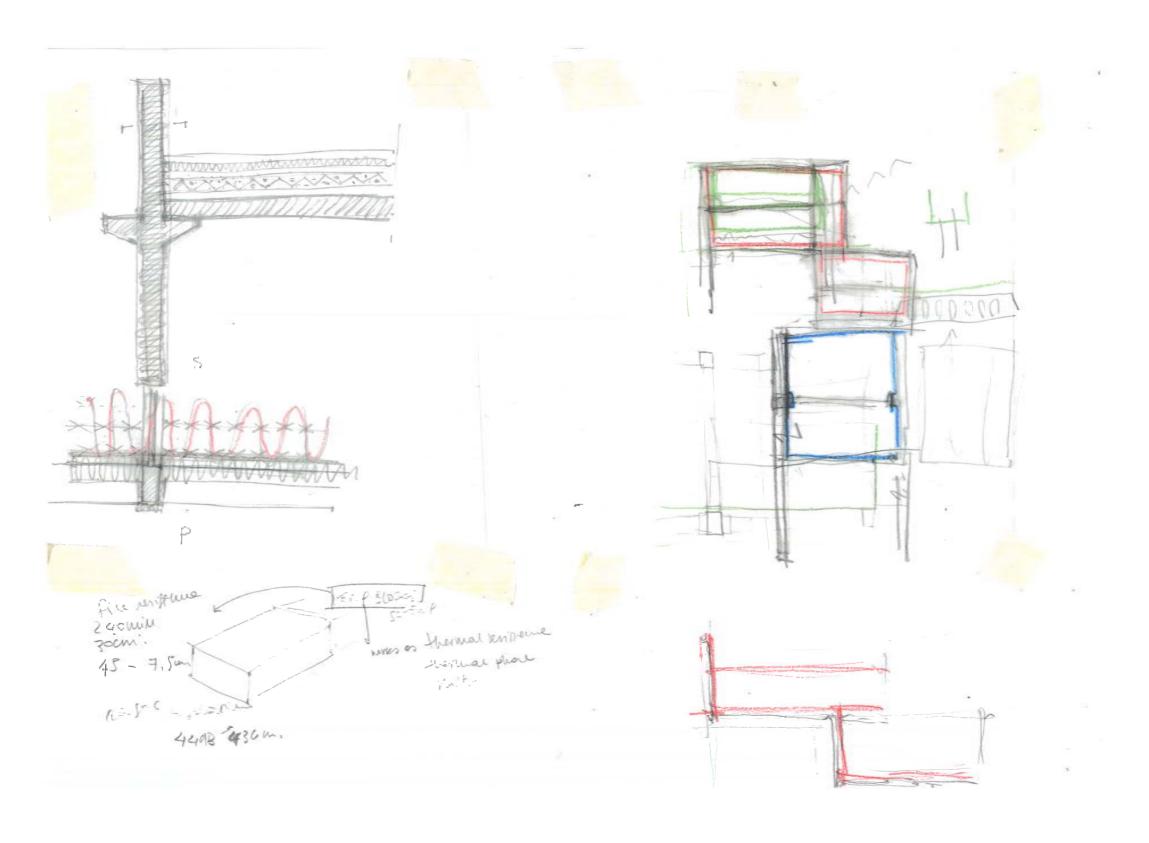








week 3.6 172 173 week 3.6



week 3.6



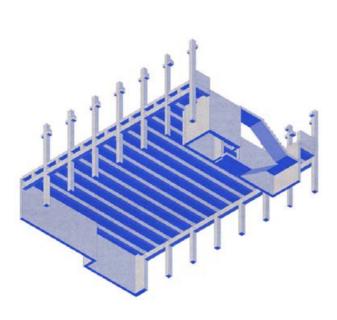


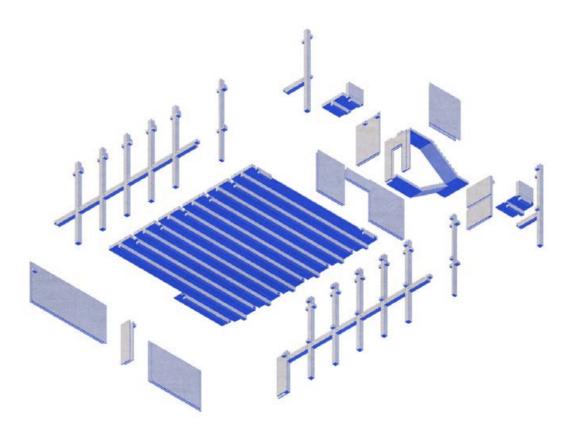


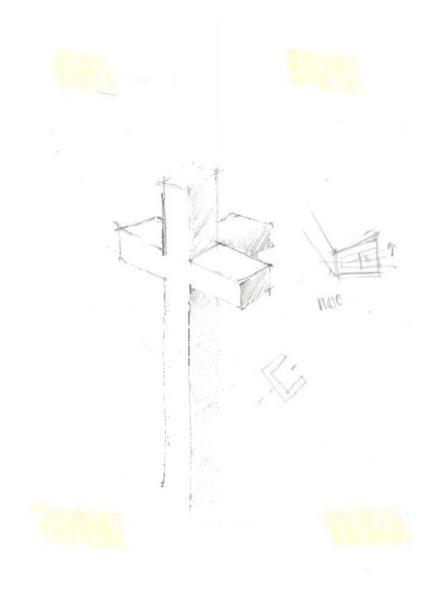


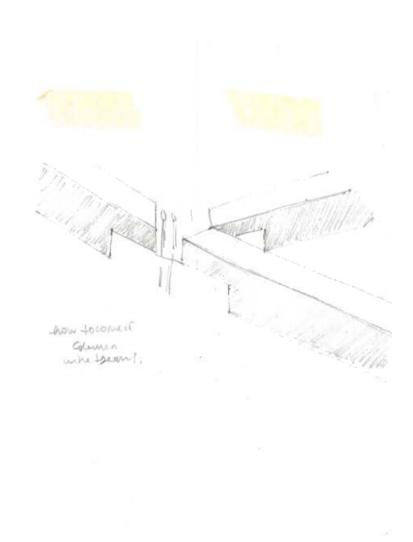


week 3.6 178 179 week 3.6









week 3.6 182 183 week 3.6





i con refereda spor Blochor Our procast alo monteway aberesed to their afternoone Botols above the larger arm glozing to the month for make the company of control and however thank over friendly to the loss have to be lossed only in The large function, as the color, and a group to construction rate.

The widdleston - supressite on rote. Apart from Garring in shall limestone and itin Wood holdfit to the multiculant after the exna failing the interval over, across our who have have halfer grapping coupling the side width for the and Borlan coredst and of the reand linings indictions much one rate with a high and the expositive in the worl with non-motive winter promise of sail by 19 cm. Hour, the challenge by 19 colo John the full beight of the wall opered 74 in the a single process without Transitive port joints. When write of prent height are proved the concoderat the twice is readly Tangarang to care a third appropriation may Insterial of the top is still being elected.
Processors different in a discharge of a ac-Point to wealthings to the colorer of a wall as a created of chemical processes that occur when this shiph with its withshown. The water of the malthroom, bowever, and lamm data. Darstriction for temperature of the form of the control 2010) and will be operated a 2010. It is now have your essent in the Europe paper of the operation. thin C. Life colling Cherbic in regards of the arts, which will have a near than 1,000 chayings in the Other, when visiting to the Museum Island look out from the calciumate to the city, they within an oly conjudited that are recognishing of filled with wider gripmd him charmony years

Line Andreason - En hybridge The contribute the beginning Meet helicule and the Enterted by the Ambhannana black about the I than the forces trian become many in Dinhay negaridate (...) or must be based of the sendon-Landadoro do Code aminete des Audinanne. medidireder saiest afrikania Voltabolaugury atta atta Gran Laggdon Sp. Mindanwami mi the Cherlier transpolition (3.54 nm.) contaction taladicida Laboro Verrouty way 19 cm, (the Etermedon lenning lag dinon, dia Walianana Volt fall vit 14,7 at an along Arthollophyne chur hyn Tederoleging Field hallen fa haller anna nas a a that the balance of the control of the balance of the stable withment of the same is specified, want it made Tittis hitiaturus birakekeelus ka bajlagay jagagan. than his bromba has Province a baran Abzarbara aliit ta faillaciit in Lachandana biadan issaa Tedla elsen Warut kommuna Master wernin sali fell chilled fedour becker construiting quality nothetender Warribötar urstellt wurden. Ein With his his Athellock don grobing property underther

Emily Virtual White order 1 for Mic Transforger James Steven Endorte Archagneanili and soften and views - 111 advisorytolog Pyri joktobal - eréffnei werding Als Findings Anomalisador Francis What do show soon Enrefrances were Danck the Lindbridge for Voluments bloms and rine toward to be been Teor hor had to the feet Management and their many feet had to Waren the Change for the Action to more than Berkengagehe mensalara star "universitas. zinn ta bheachin rain, war for talcaich februari con to decign or longer is chosen as In later principlant control Washa autility paratito federal

1	Selovfertiglad	nandblastedpres.
	Satisfaction sandges traffit	
2	Salontable by tel	Street Serve - Frishad
	33 new Aufbetten 170 men	Concrete element,
		170 mes conc. topping
3	2 indelauflager	hinged bearing.
	Edebtah-toder B28 ram,	il de many base sas-
	Car treetage:	STEEL COMPANY
	15×150×150mm	150/150**5mm
	ar Mortabatt	elastomer beginning
		Upper or Provider
1	Plete Beronfernorali	280/980 mm sandblested
	349end 280 = 280 mm	oracast concrete critumn
	39835356 - 886 -1111	process contracts consum
5	Saturbarre Colomber (sylett	precione bench
	S-triffsche geschliffen	ground amount
	Hatunia liptai 180 mm.	160 mm precioner
	Dammung 120 mm.	element, 120 mm insu-
	Makibaton 300 mm	fation; 300 mm reint, conc.
-		
7	Canadas atuas Orthodox Sichtesite mit Fartegtesi-	in educonc. linter
		over window,
	optik sambyustrabit	expensed face switching at any
8	Konsale Outbelon	Months gong bracket
Ÿ	Abfangbalken	president, supporting
	Detanfertiginit	Distant resident
		404.
10	Ortbetonkonsole	400/300 Mm In gety
	400 × 300 mm unter	conc. bracket under every
	Jeder Stutze	Column
11	Nammachule Verbund-	
	Memora Decorate traited	120 mm precicono.
	170 mm mit Hinterfulle	t umposite enti-remming element with 250 mm
	beton 250 mm.	
	Drainage Moppingfully,	conc. rear filling, bassed d-einege fod; 120 mm
	XPS 120 mm,	XPS, geographic sta
	frischbaten Verbundfella	composite film
	WV-Stahlbaton	weterproof rainf. concrere
19	fidebveranberung	stainies s-steal
	Edeleranter Maufa	leop enchor
13	Glasseyer -	ehding beering
14	fileshbeton Verbundfolle.	green concrete compos-
	Honeste für Verhund	Ite film, 500 mm bracket
	element 500 mm	for Composite element

James-Simon-Galerie

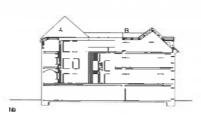
market in gold Hea Berlin, 2018 063

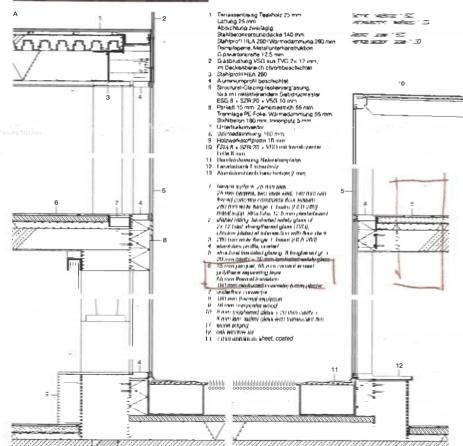
062

week 3.6 184 185 week 3.6 46 Umbau eines barocken Häuserblocks in Ljubljana

2015 🗆 1/2 **DETAIL** 





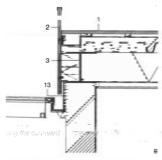


**DETAIL** 2015 🗆 1/2 Dokumentation







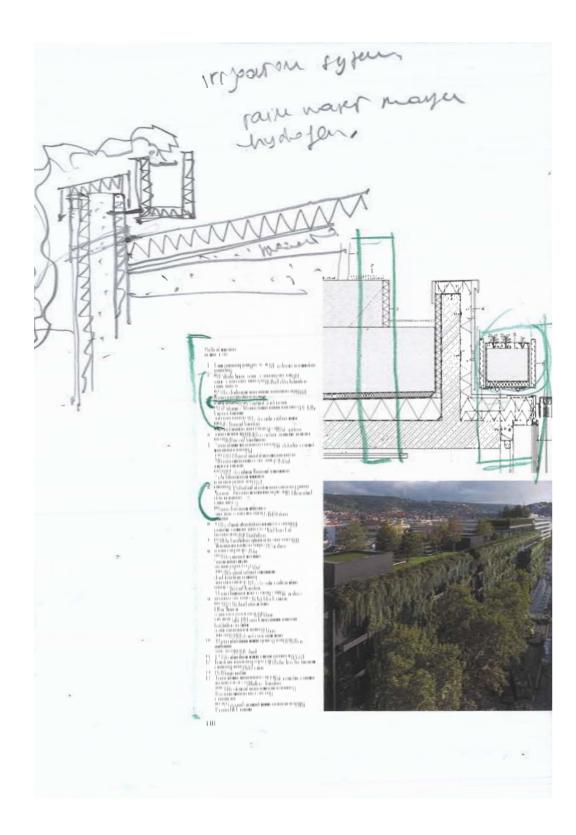


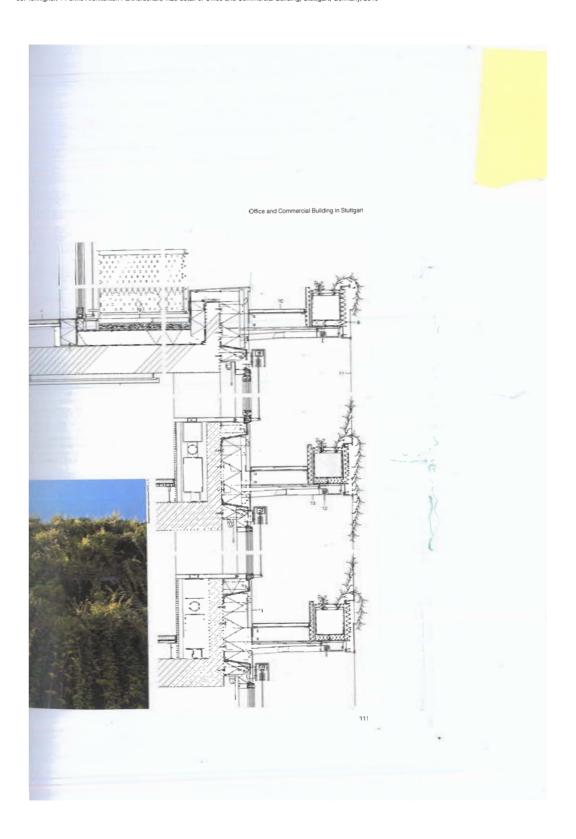
Tepretaks trite etrasmen pine Thirties associate security sessions at the terminations as Desternit. The armtects inserted a new all-best lacace that steeder free auer of the courses, and are the ersemble coather All presiduations: Depond to a constitution of the feet leading some of the states across a connection. property is it office following : 1988 TOTAL SELECTION OF THE PROPERTY are this suiting-since issuidors Prince rooteven tease ton of Terchitan sea sour et aprilius ent. the example surpuraing the countyard. TE SOUCH BOOK BOTS THE STREET - WHO'T i de la company signi - est seguent de part de les desembres de seguent.

for organizations of the programmes and at existing start were incomposed in the Programmers Telegraphic strates THE CORP MEDICAL TO THE PROPERTY SEED Dear's Treiphyddianarca ne beigine. SELECTION SELECTION OF THE PROPERTY. Sate for and and asset for the ACET TO THE PARTY OF THE PARTY INTO Tre progress progression and the progression of the are customer or the side facing the interiors - Rest rependeness etc. Sinc ACTE OF COURS FREADER OF LANG ್ಕೆ ಪ್ರತಿರ್ವಾಗ ಜರ್ವ ಈ ಮಾರ್ಯಾಕ್ ಕ the interers. The anecrétary or the people raidreas the res-

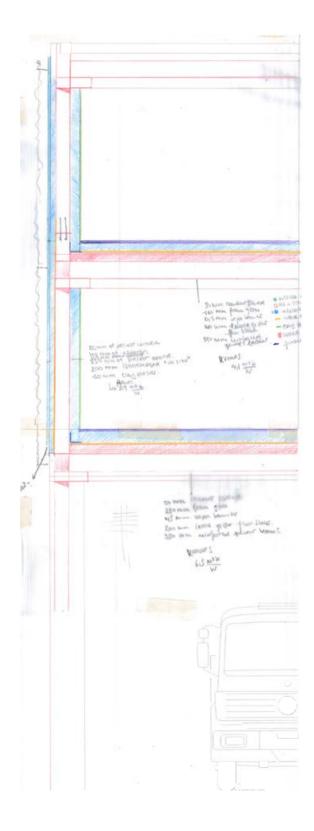


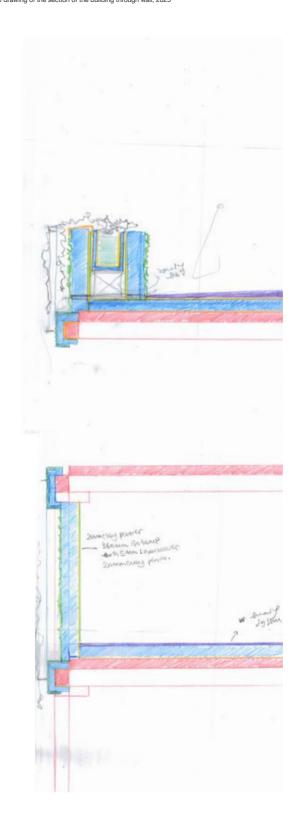
week 3.6 186 187 week 3.6





week 3.6 188 189 week 3.6





week 3.6 190 191 week 3.6

# The Picturesque Garden

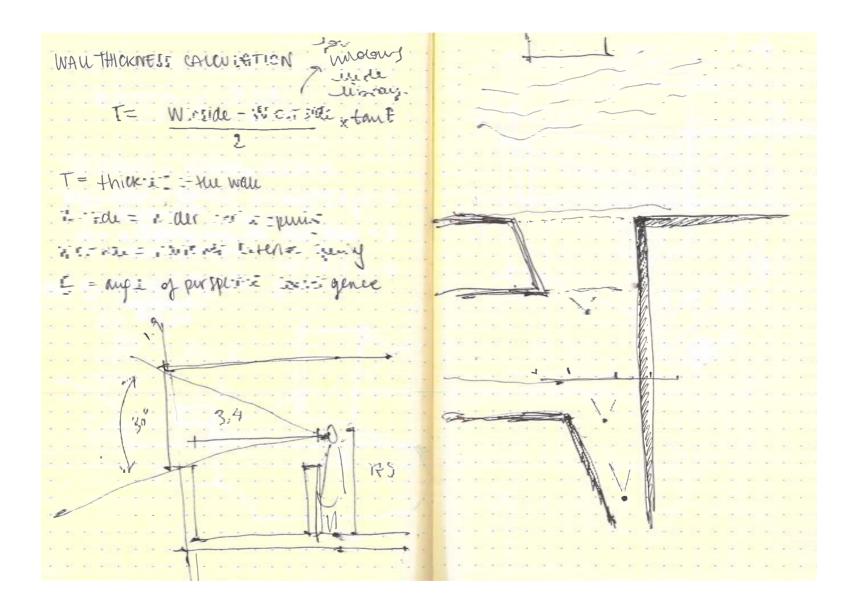
In the 18th century in Great Britain there a new art was developed, the picturesque garden. Its aim was to merge different typologies of art into one that could have a direct relation with manmade elements and nature. As stated by Christopher Hussey, the picturesque garden can be defined as:

"the relation of all the arts to one another, through the pictorial appreciation of nature, was so close that poetry, painting, gardening, architecture, and the art of travel may be said to have been fused into the single 'art of landscape'." (Hussy, 1927)

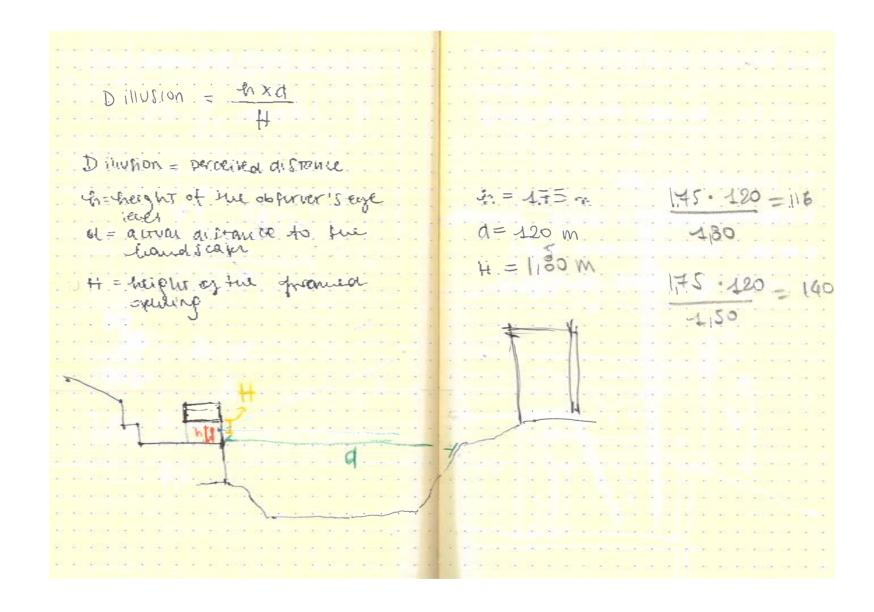
Where the aim was to enhance the of pictorial values and balancing them between the real and the artificial. Therefore, trying to create an illusion of natural perfection, behind extremely studied framed visions. This approach was well studied by multiple typologies of experts to create the best piece of landscape art, making the picturesque garden as primacy of pictorial values and the universal mode of vision of the 18th century.

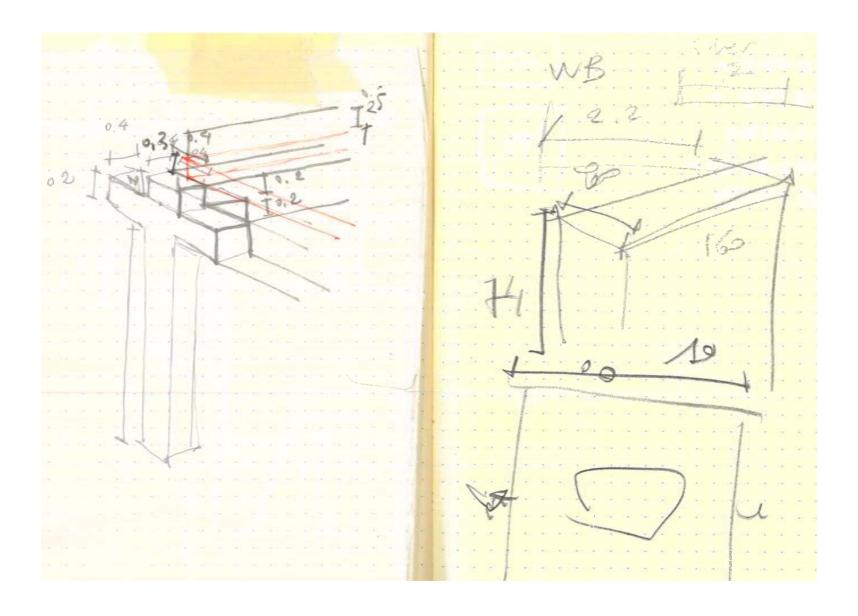




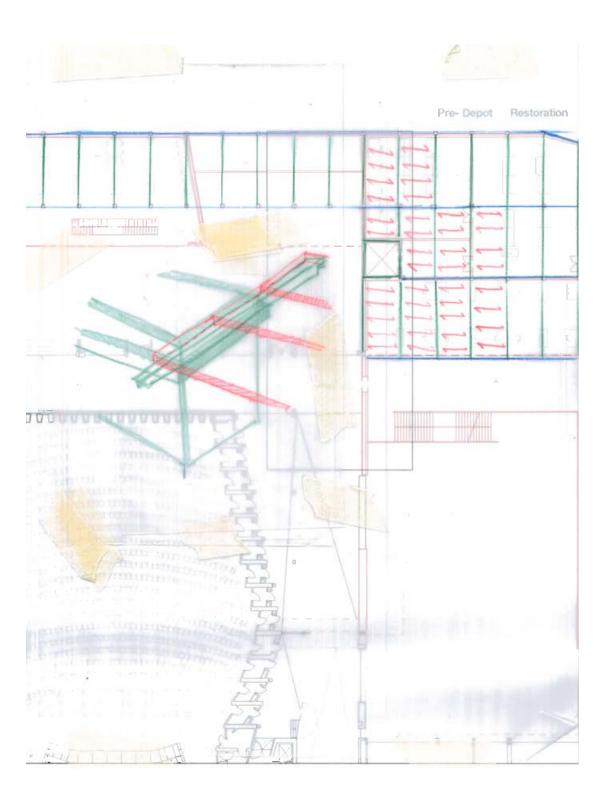


week 3.7 194 195 week 3.7

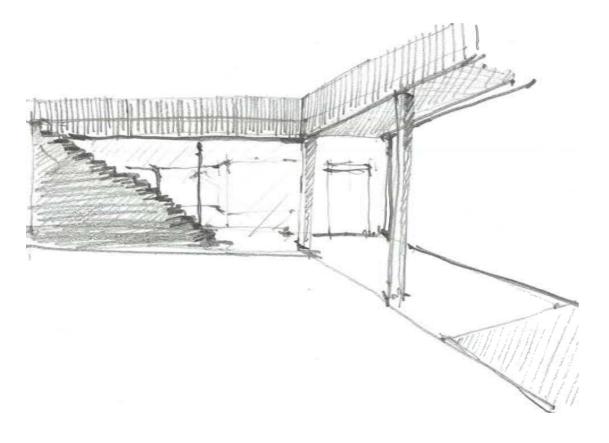


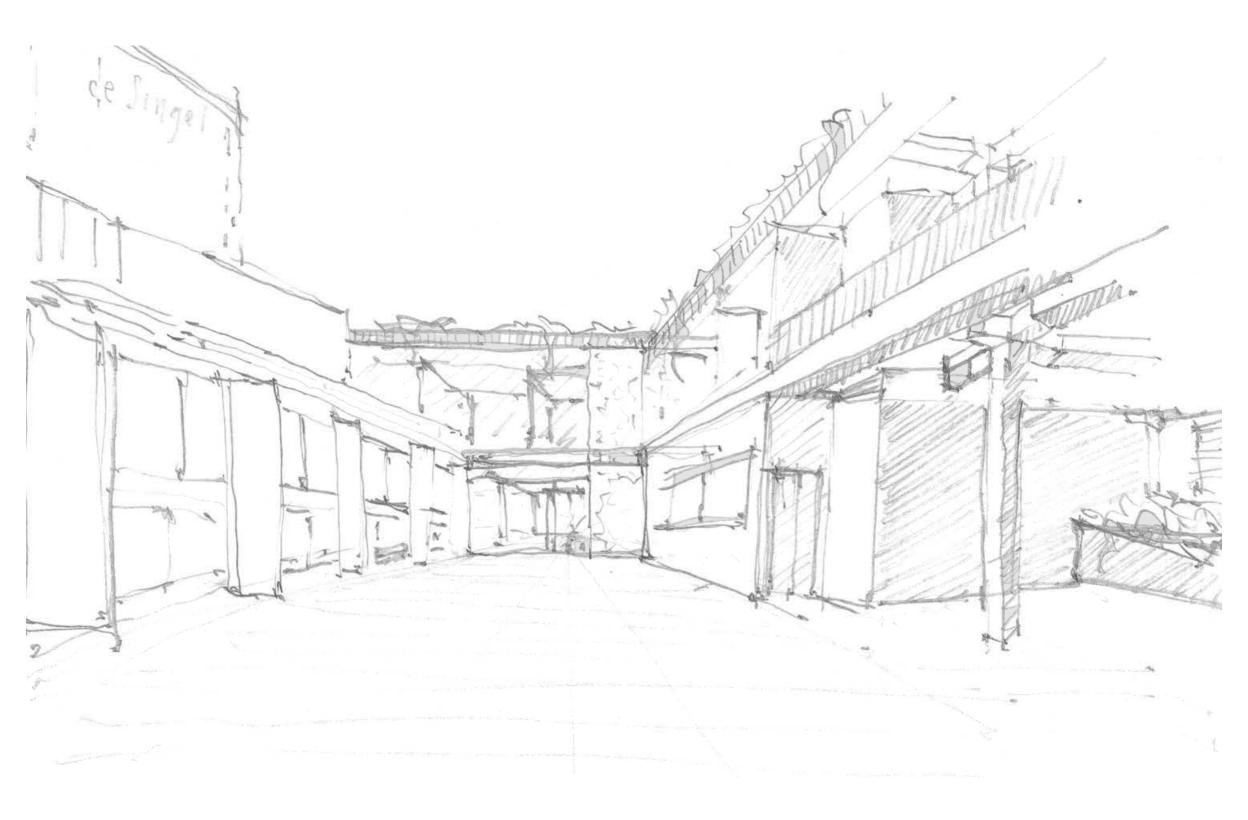


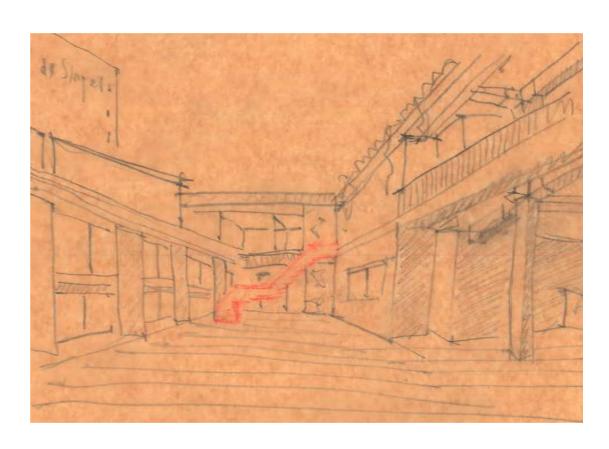
week 3.7

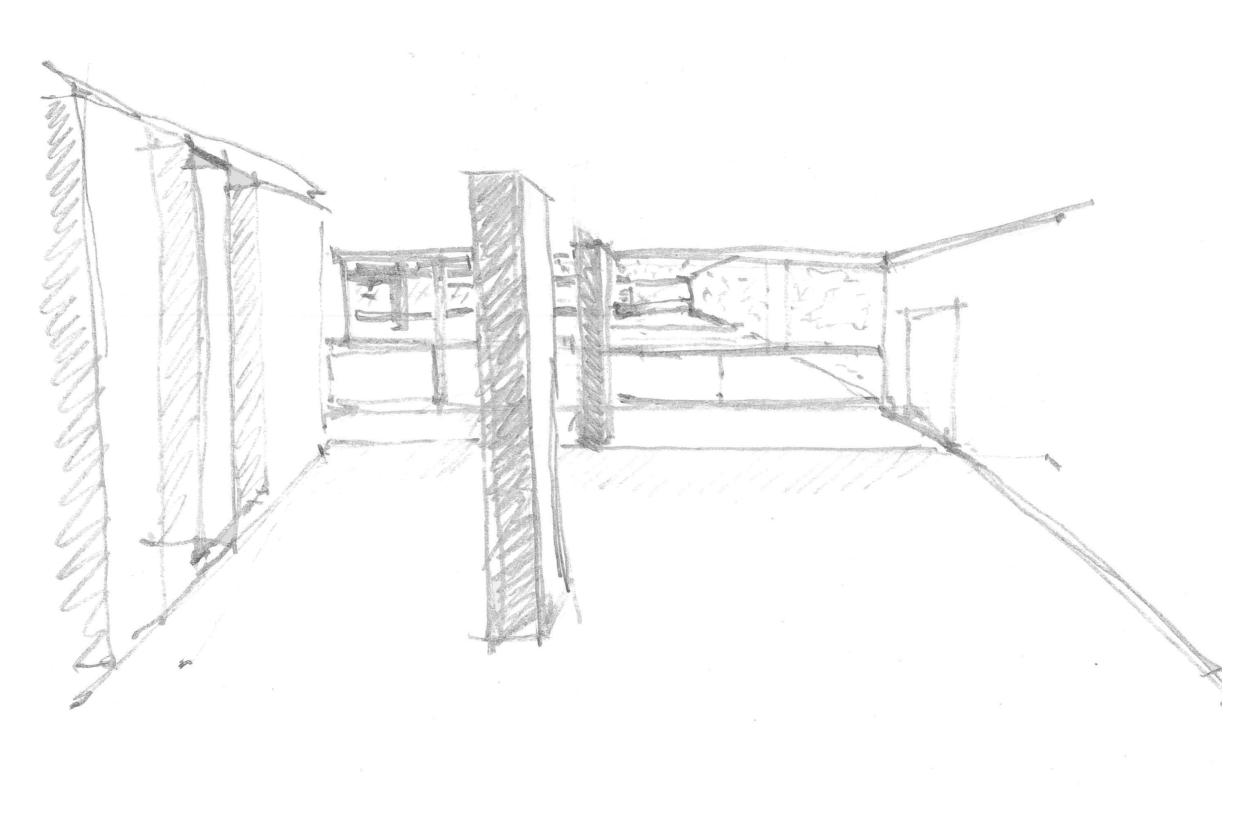


week 3.7 200 201 week 3.7



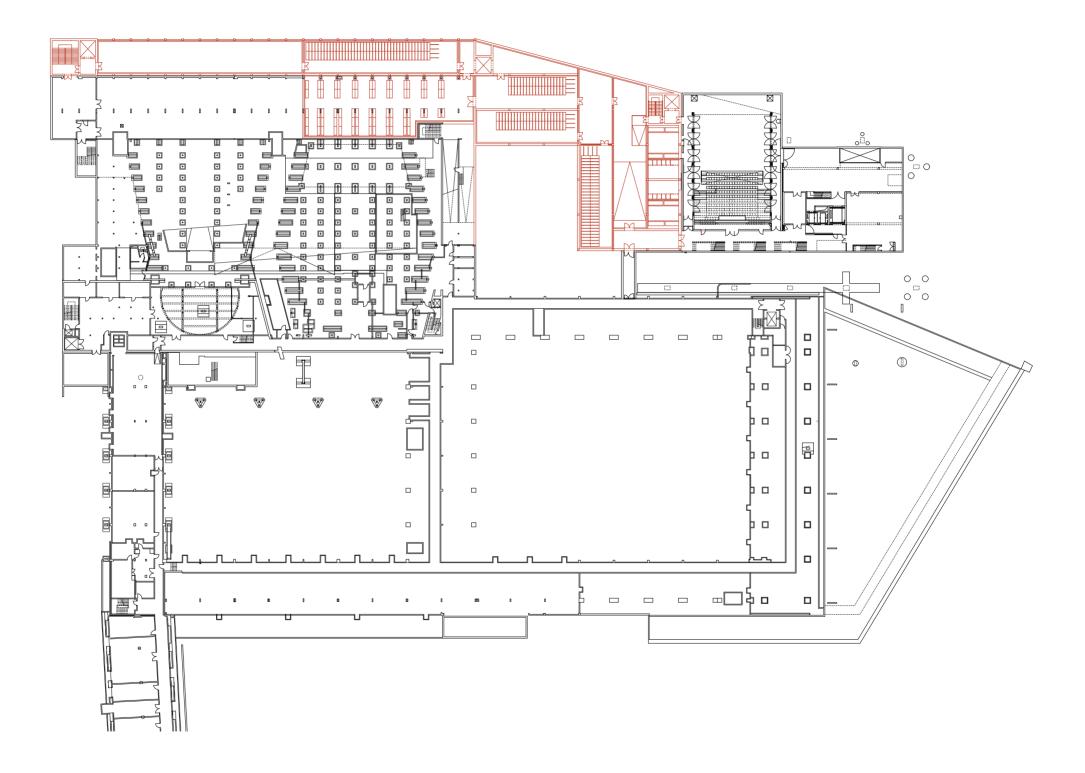


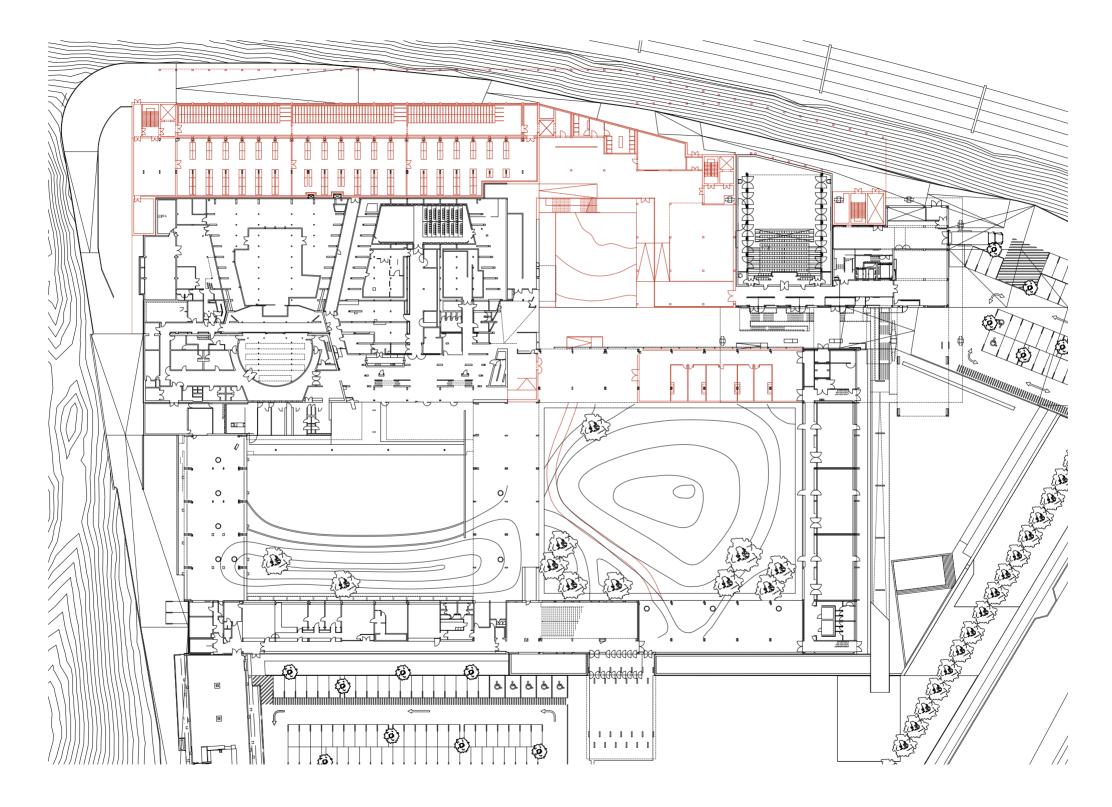


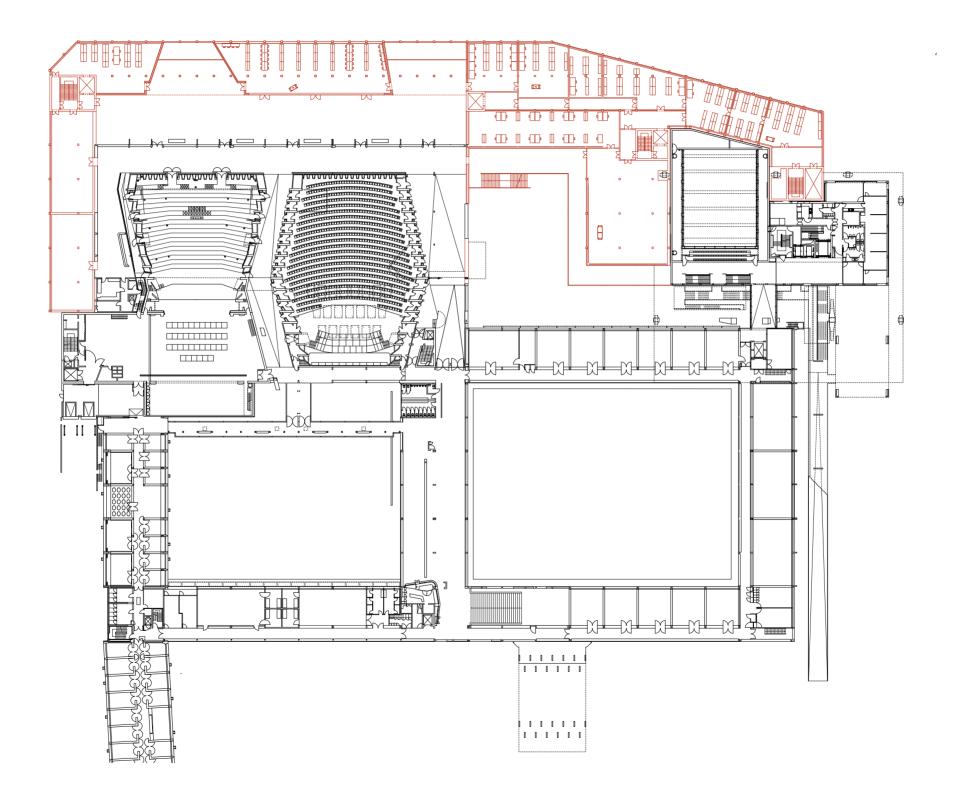


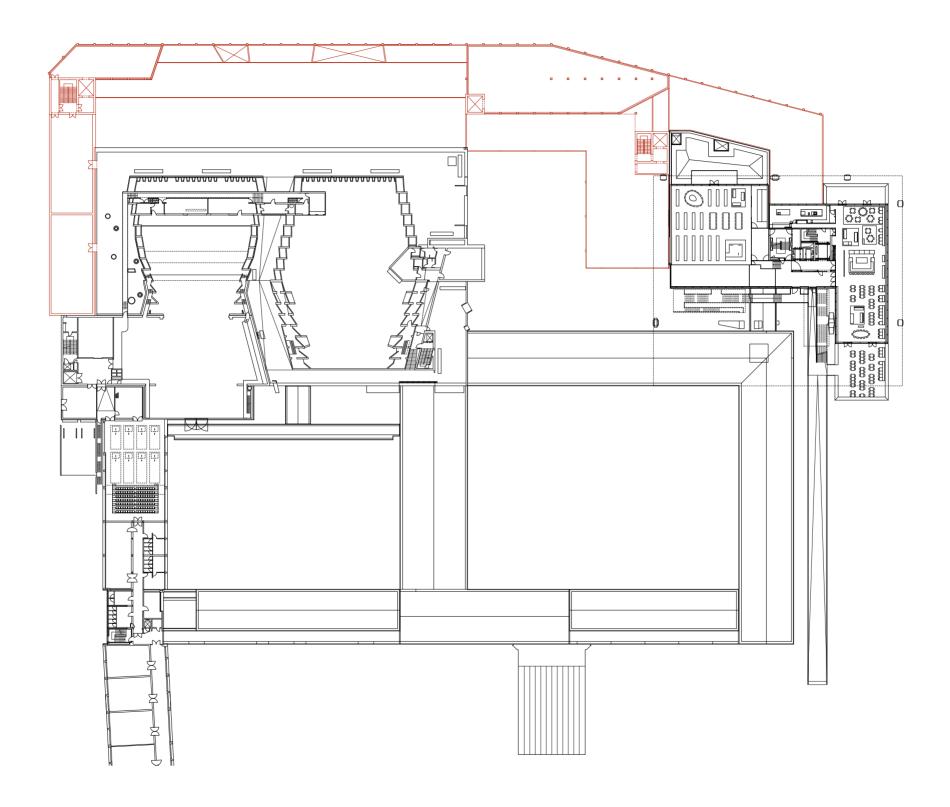
week 3.8

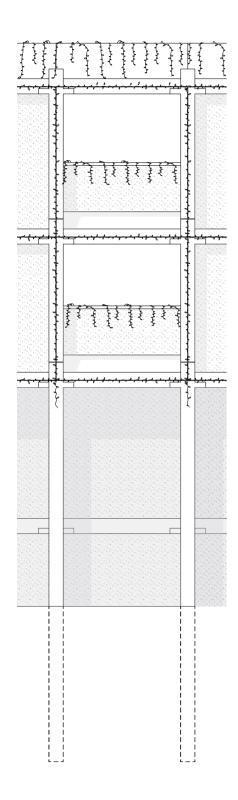


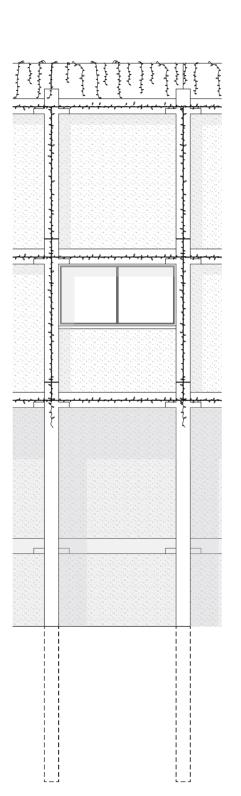


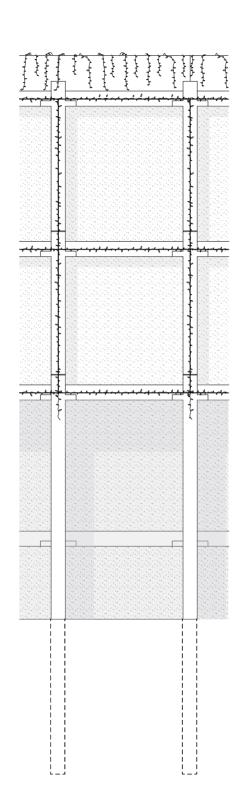


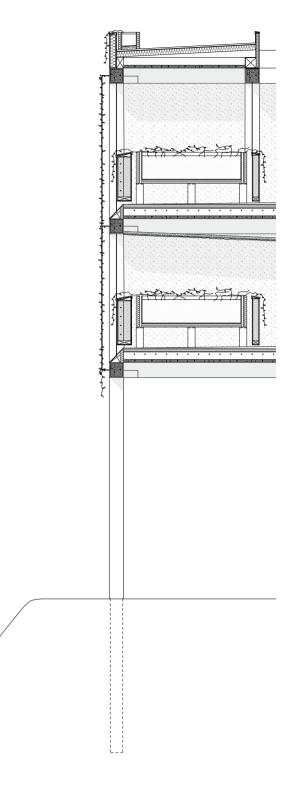


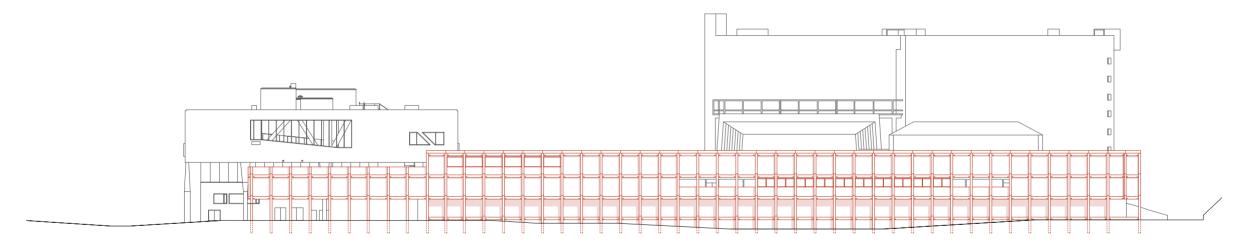


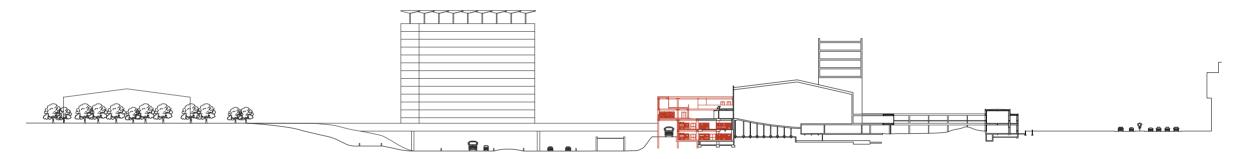




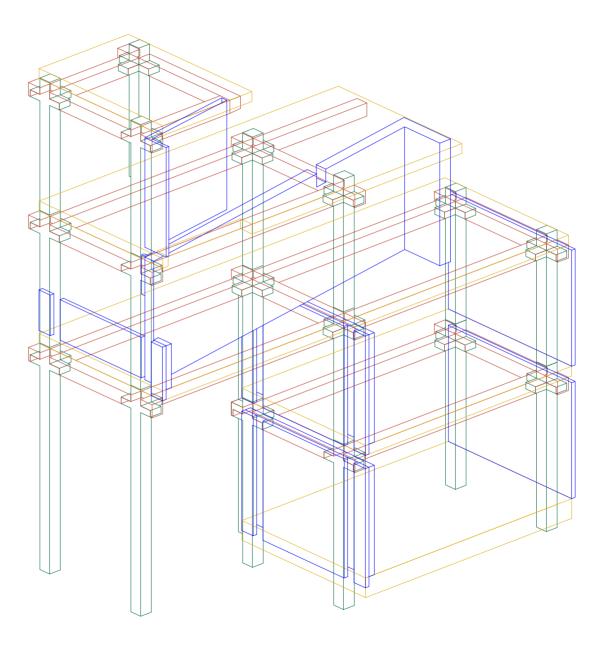


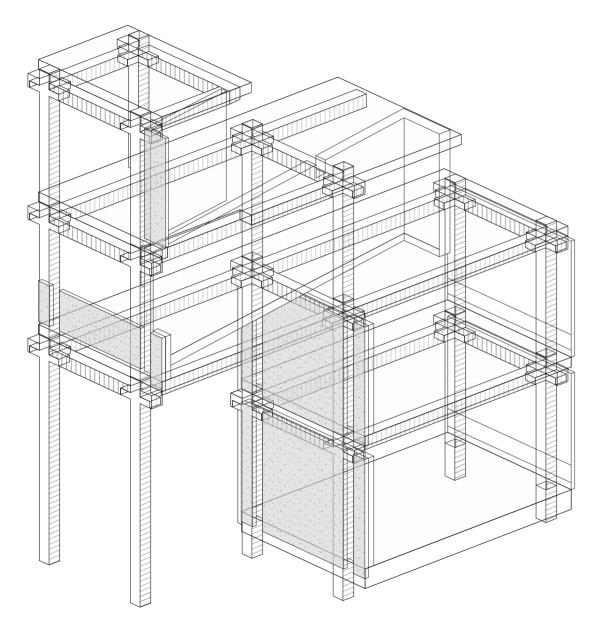






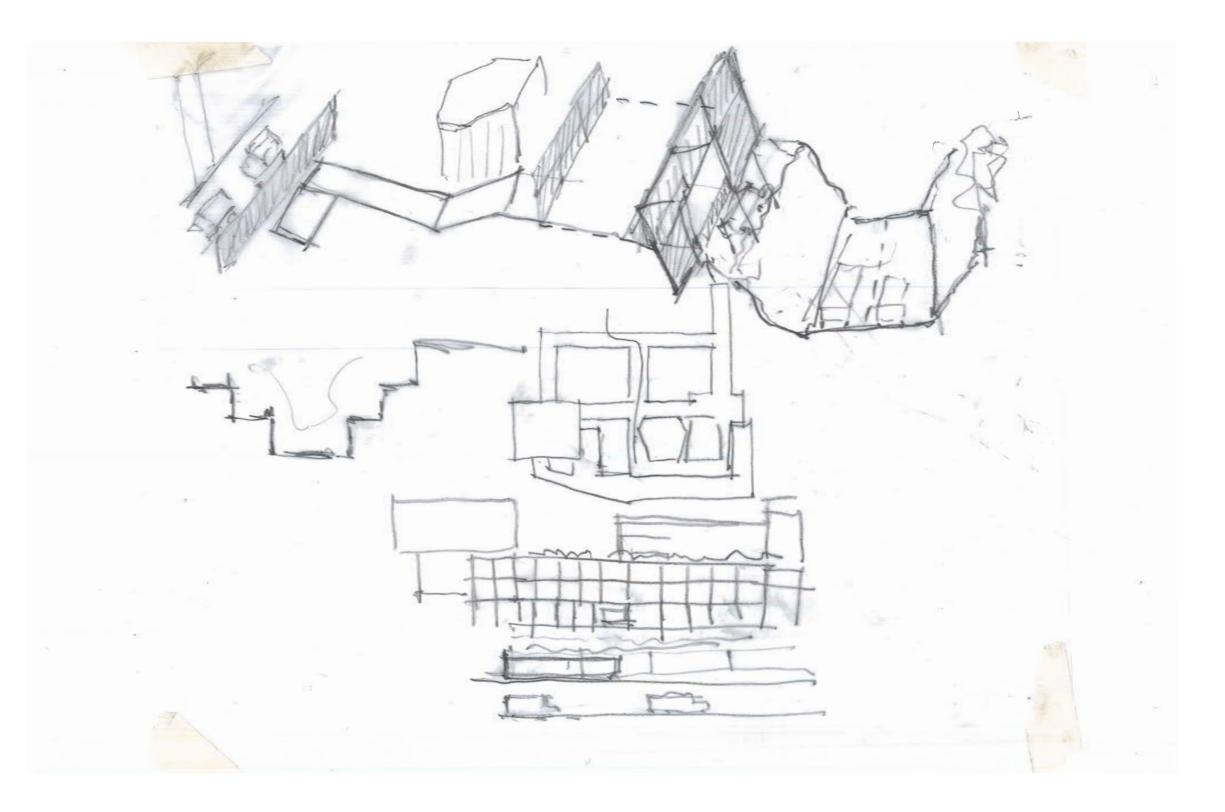
week 3.8 224 225 week 3.8



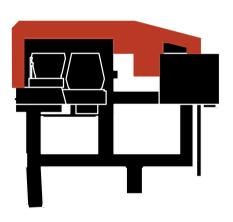


		Janah Janah	BYEYDI		(, .	740	-4×40	)	Aronine depo
		Co. V.	F2		2.	740	74 × 30	1460	1 440 1119
	Brief	Required	Proposed	: 1/2 2025			-	) 0.	3 6cc 14
	Name	Size m²		174 1.2	5.	600	60 X 10	1 2000	4 420 118
	Total	5145	7748	Lleti's				1	1 250 116
	Public space	700	17.12		4.	420	60×7	12500	# 806825 4 4
	Reception and counter ( - exhibition space for the unknown architects)		739			100		1	1 1/60 248
	Exhibition scace, multifunctional	200	.147	35%	5.	392	56×7	2392	9 760 148
	Reading room	200	111	2.82		10	20 V +	2012	唱*的* 137 ×
	Lorary	200	3151	. 414	6	~ -			
				-114	8	350	20 X x	1 2000	
	Work Space	860	1512					3242	
Jeffer (	Staff workspace	HIR	301		-1				
	Archive workspace	dini	334	-	7.	260	61	)	
1.4	- Large meeting room	(10)	80				86 Kdo	1/100	
	Small meeting room	3111	49		1			14/02	
	Common space	1/11	283		0	525	75.X7	4627	ARCHIVE MIT
	VAI offices	1011	465					J-40 C 1	1 740 Mg
						7			2 740 1:11
	Artens	3565	4524		9.	460	46 X10	15087	3 600 1114
	Storage packaging material	120	17411		1		1	1000	
	Loading / Unloading	1511	1111					1	4 -20 1/11/1
	Waiting Depot	11111	111/	117	10	460	46 x 10	5541	5 392 100
	Triage space / contaminated space	1111	110	73		N.		\	6 350 100
	Cleaning Quarantine	hill	17	94	1) 3	H.			7 860 (9)
	Processing	1211	160	126167	101			)	
	Pre-Depot	+111	1,1/1	14891			0.00	6287	
	Restoration studio	1111	117	123	12	740	- 4X AC	1	9 460 218
	Digitization	TILL TILL	11111	77		'		) 4027	0 460 143
rog r	- Depot storage	251111	1   11	77	3	740	74140		
500	Climate class photo depot	lun	171	0 1.17	0	14-	74×40		
	View Depot	1,"		1:17	. 7	-110	4	7467	
	Server space	111	41	213	4	740	74×30	7 +10+	
						-1.	e. 1	_ )	
		4.1			15	520	52×1	77819	
					V		-		
					16	364	52×7	61031	

week 3.8







## Bibliography:

Delalex, Gilles, and Yves Moreau. 2023. Holy Highway.

Gazzola, Piero, Raymond Lemaire, José Bassego-da-Nonell, Luis Benavente, Djurdje Boskovic, Hiroshi Daifuku, P.L. de Vrieze, and Harald Langberg. 1964. "INTERNATIONAL CHARTER FOR THE CONSERVATION AND RESTORATION OF MONUMENTS AND SITES (THE VENICE CHARTE 1964), ICOMOS." 1964. chrome-extension://efaidnbmnnnibpcajpcglclefindmkaj/https://prod-admin.icomos.org/wp-content/uploads/2025/03/Venice\_Charter\_EN.pdf.

Leatherbarrow, David. 2004. Topographical Stories. University of Pennsylvania Press.

Schmidt, Erika. 1985. Gartendenkmalpflegerische Massnahmen: Übersicht Und Erläuterungen,. Vol. Gartendenkmalpflege. Grundlagen der Erbaltung historischer Gärten und Grünanlagen. Dieter Hennebo. Stuttgart.

Tsien, Billie. 1999. The Tension of Not Being Specific. 2G Revista Internacional de Arquitectura 9.