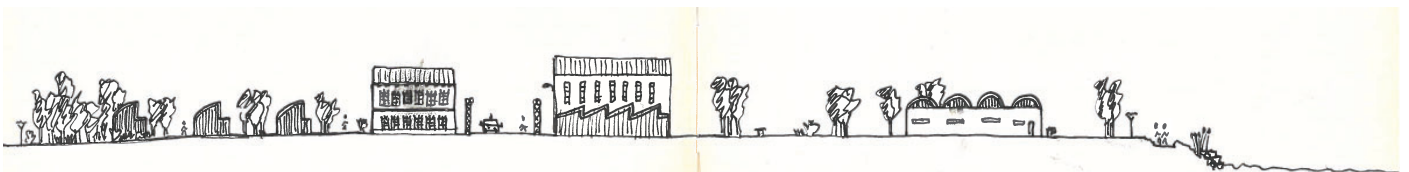


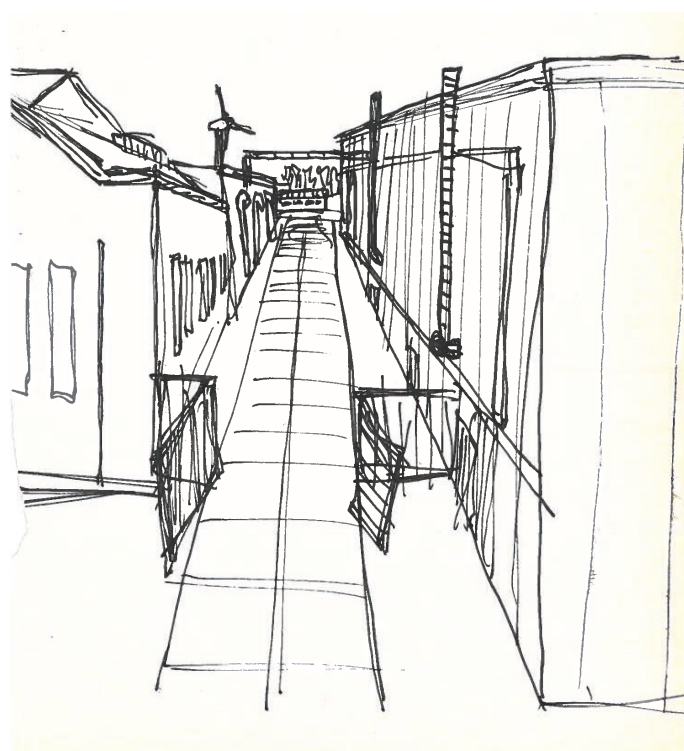
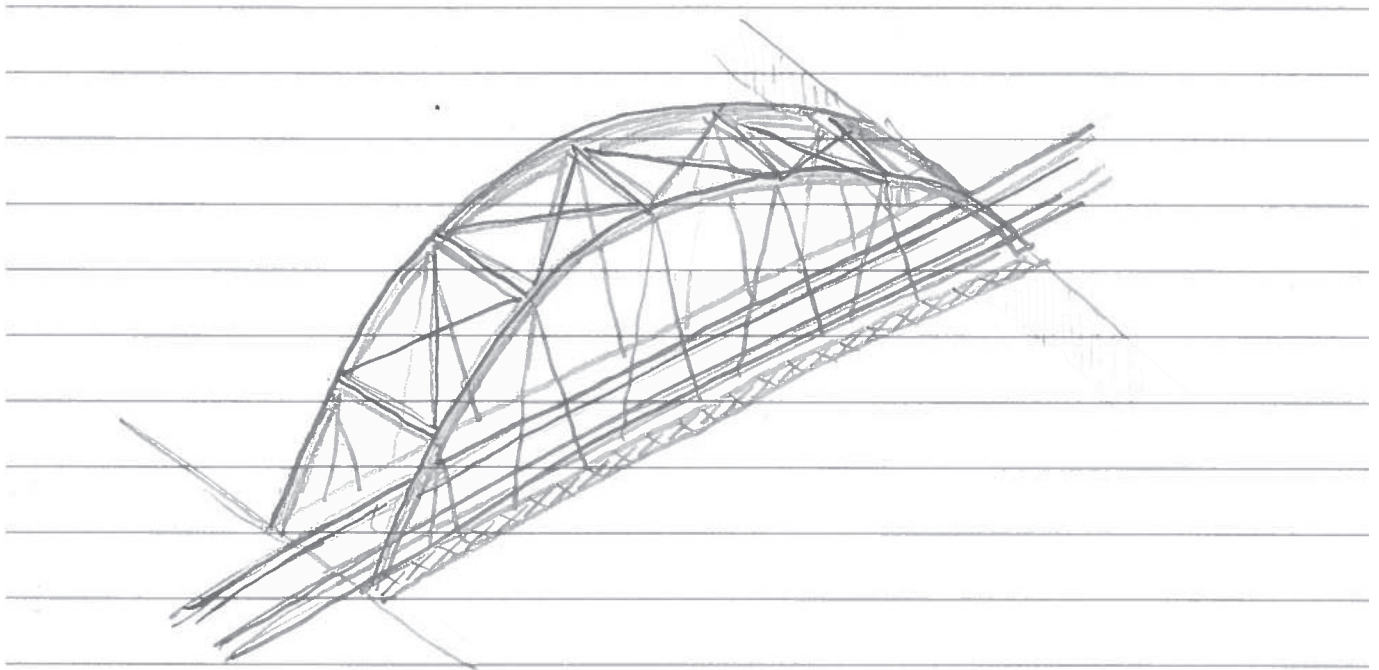
Project Journal

Heritage & Architecture
Hembrug Peninsula

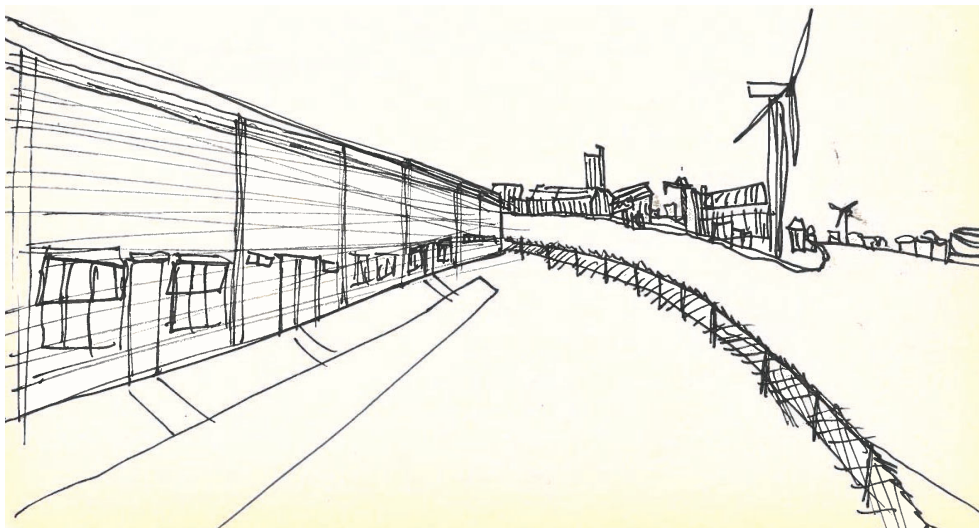
Bram Hulshof

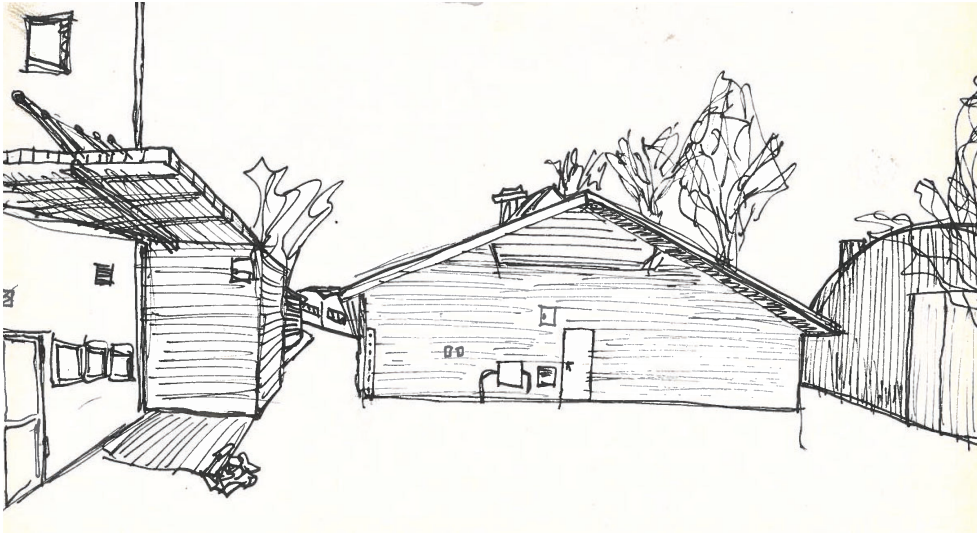
2019-2020

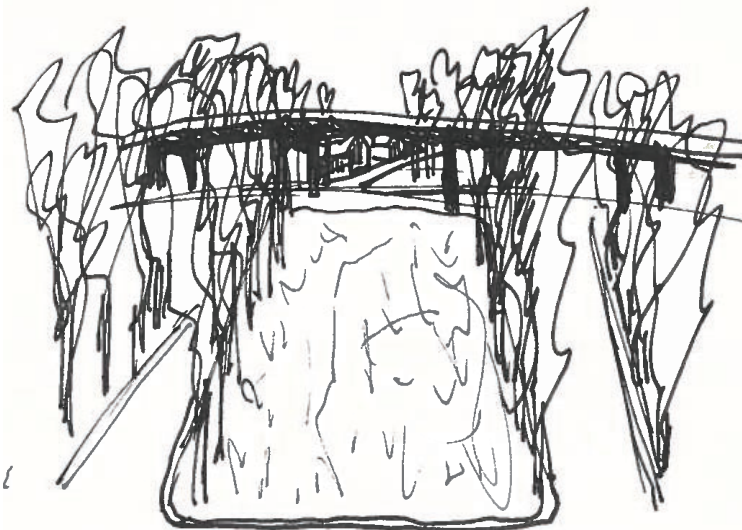
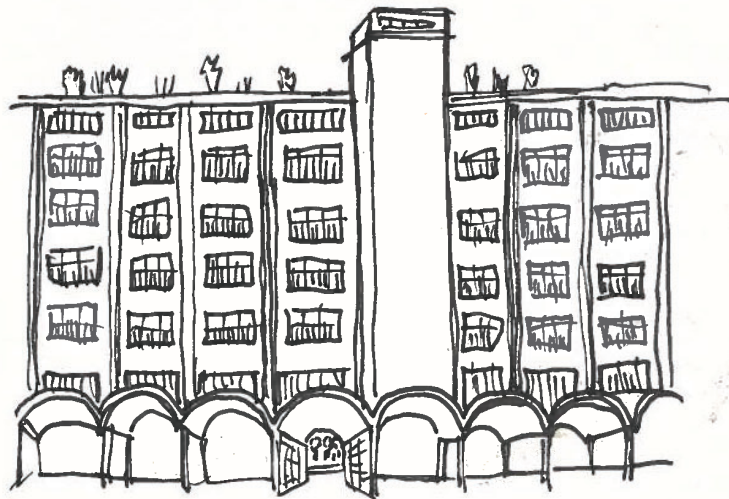


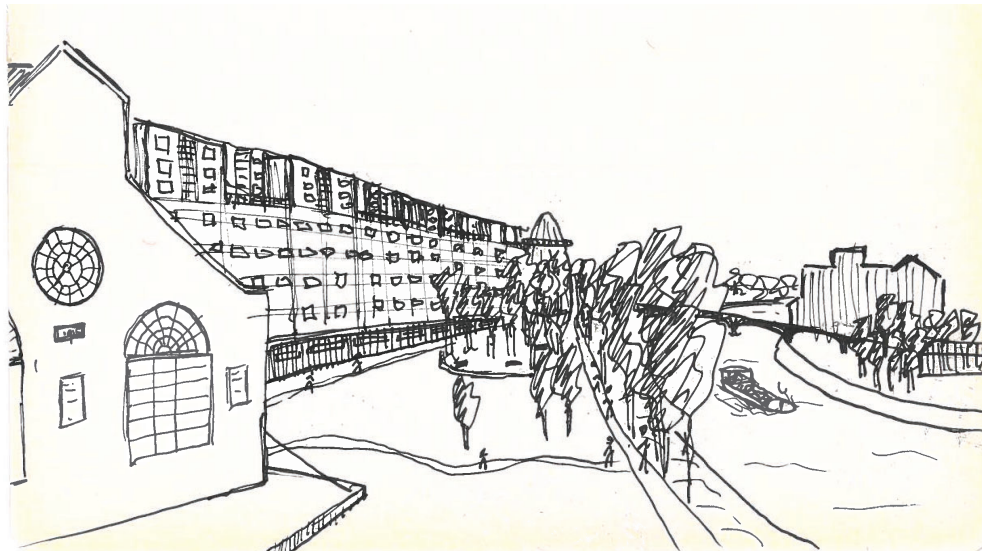


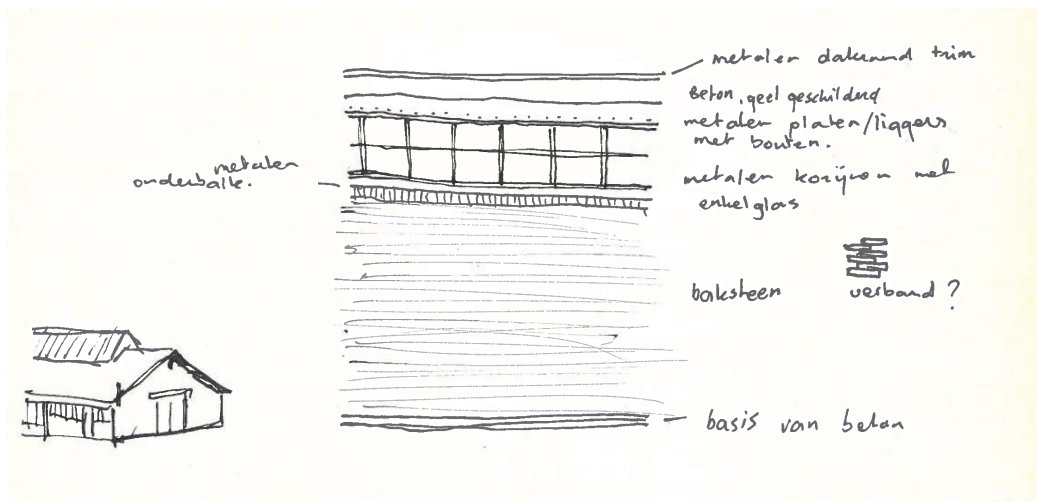
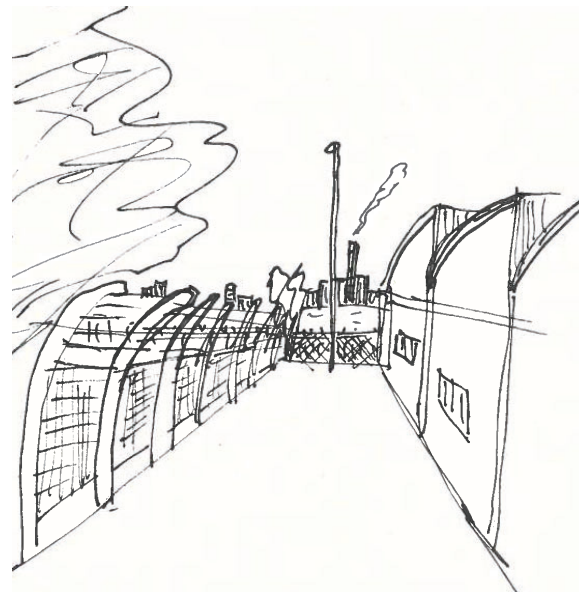
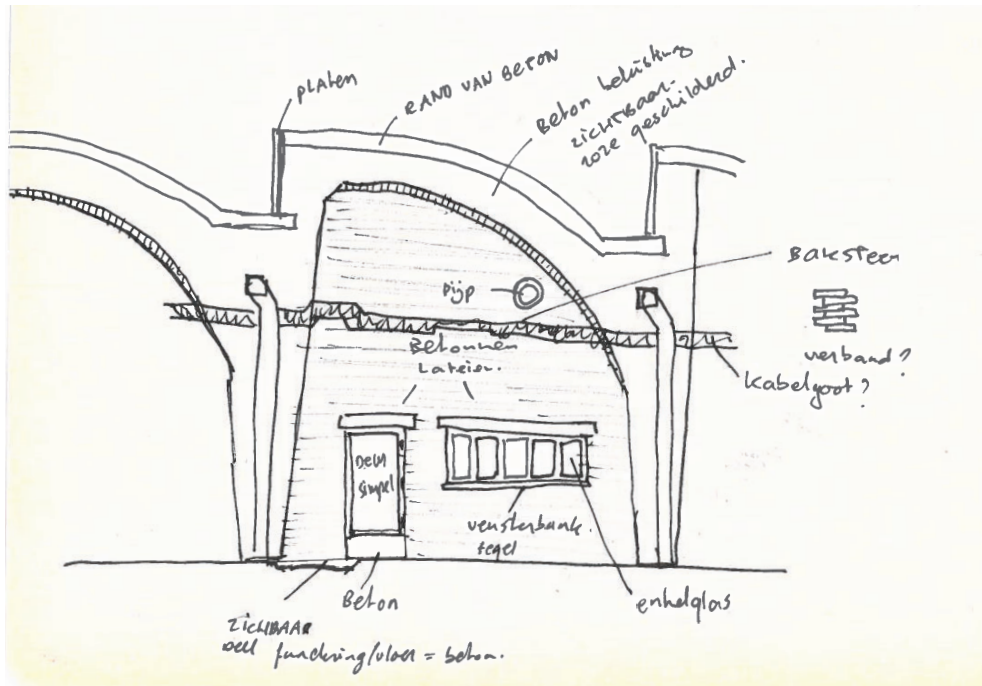
At the first studio meeting of the graduation project we had to sketch the first thing that came to mind when thinking about the Hembrug site. I draw a bridge while the name Hembrug is derived from the bridge that was connecting the site to the other side of the North Sea Canal. The tutors stressed that sketching would be an important tool during the graduation process. I did not sketch very much in previous projects. On the next pages the result of me trying to sketch is shown. In the beginning sketc

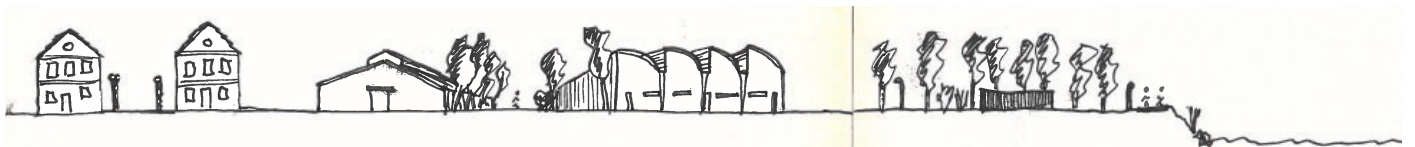
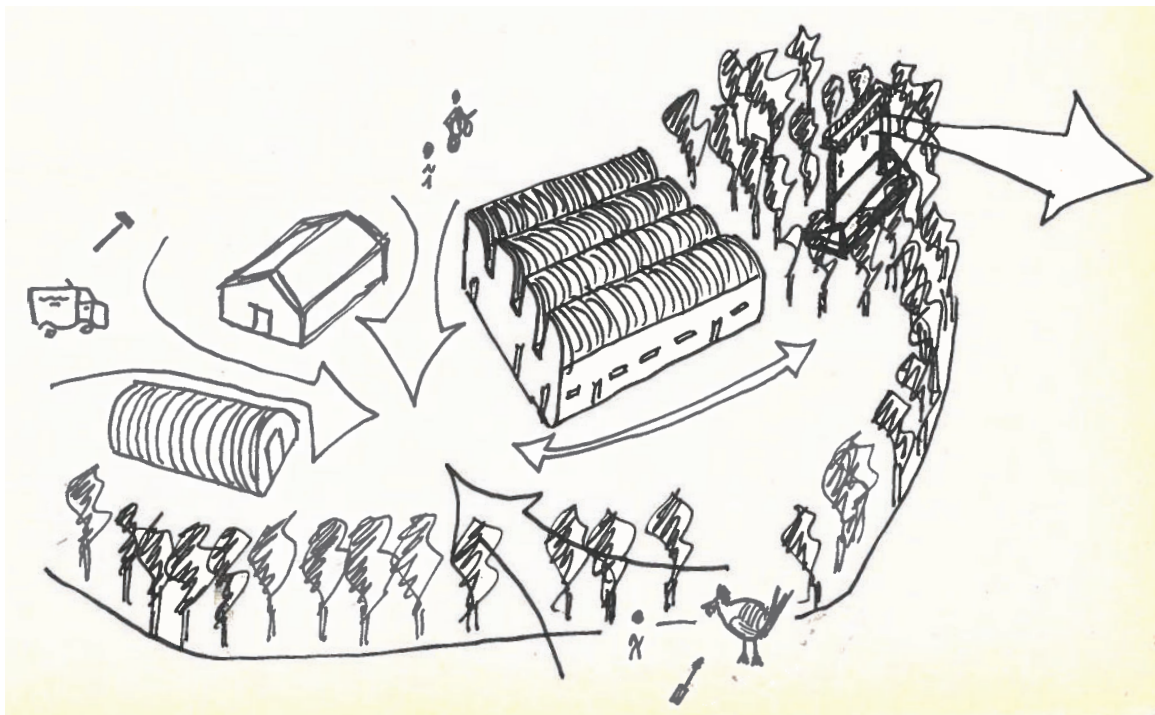


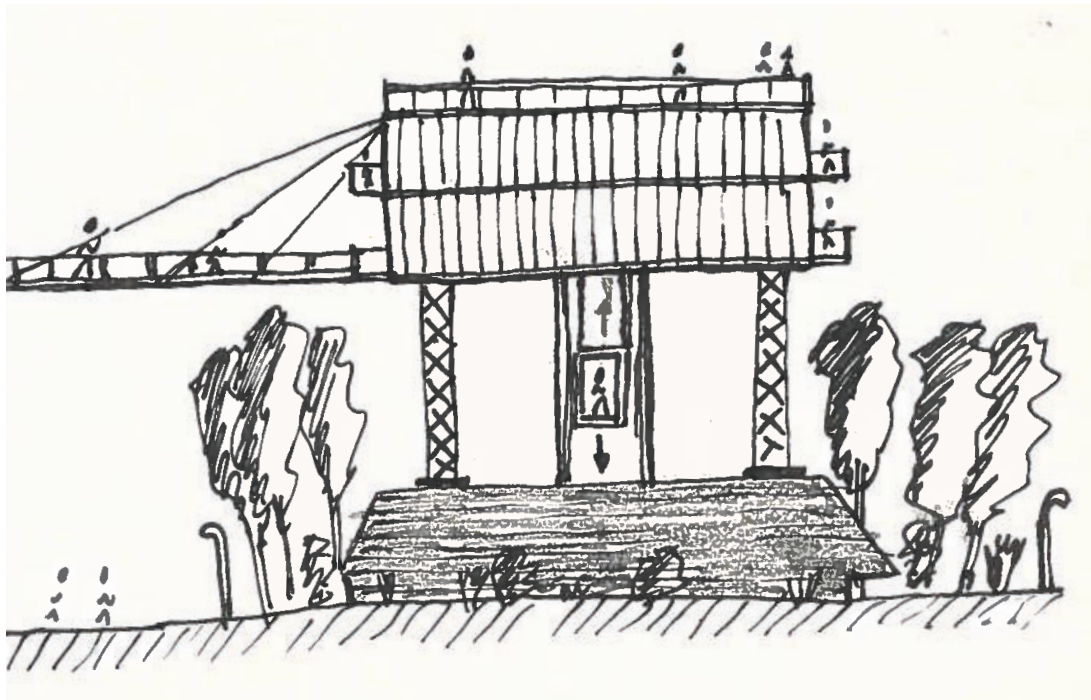


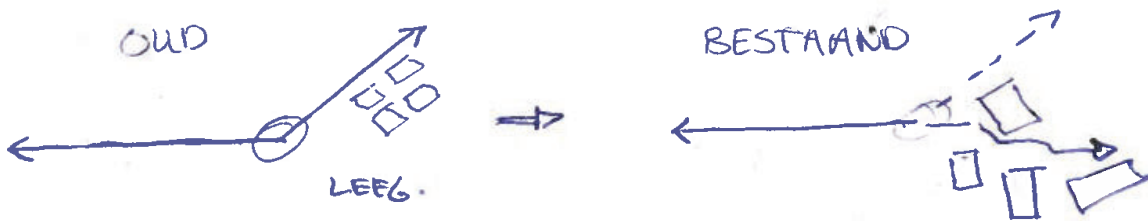
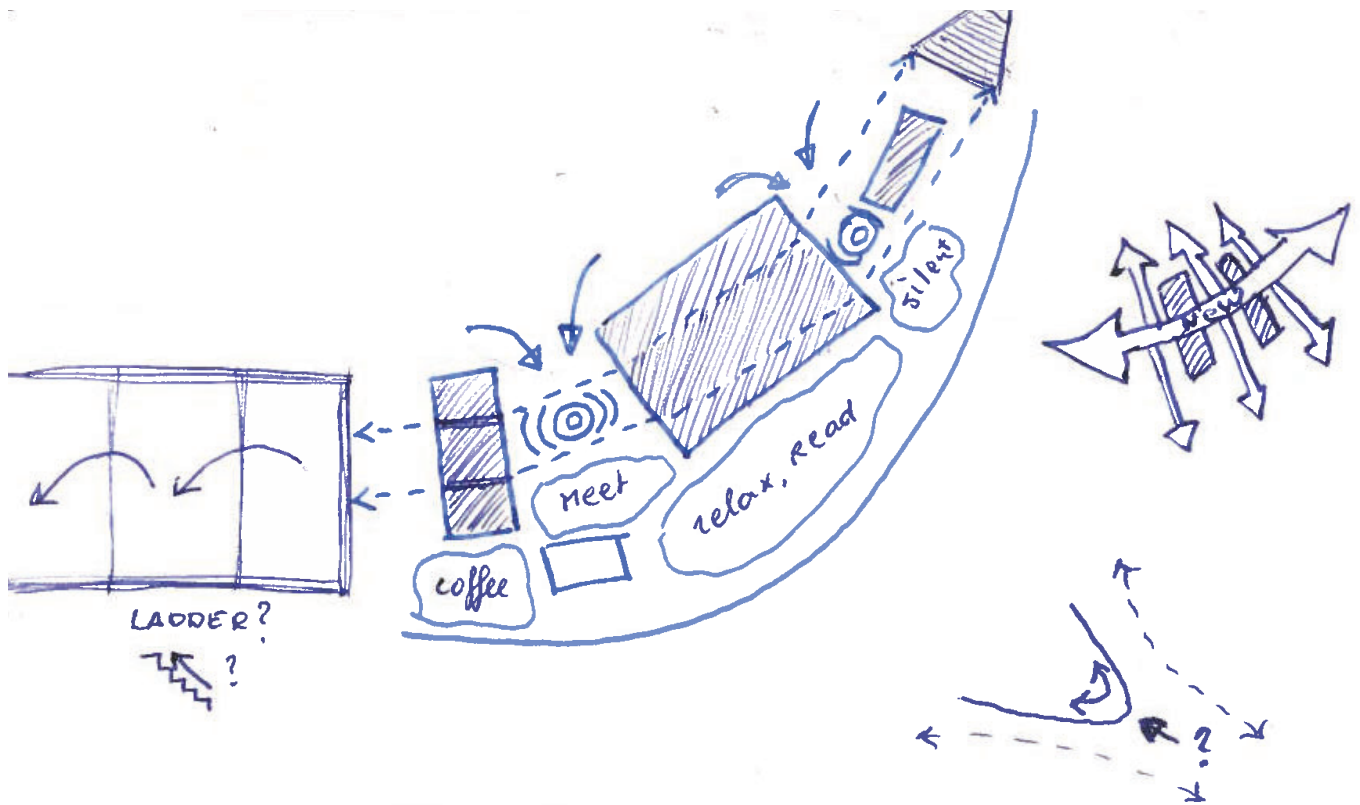














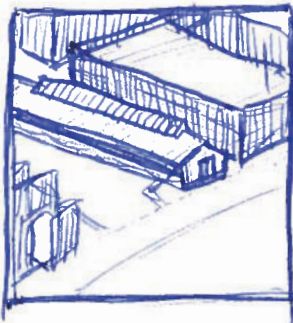
Shelter

- isolated (fence) - structure of concrete.
- trees
- closed structure
- views
- form of building.
- algae on building



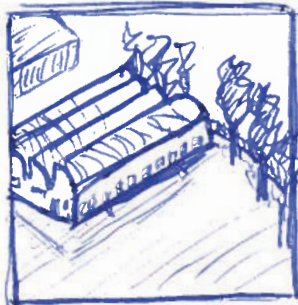
Romney

- defining public space - simple/logical structure
- enclosed by trees
- strong geometrical shape
- closed from outside/light from inside
- free floor plan



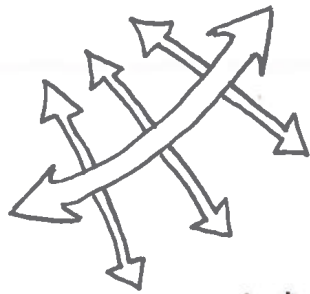
Wash house

- continuation of the ladder
- ladders
- enclosed by site and the ladder
- defines public triangle green.
- shape of roof
- window horizontal.

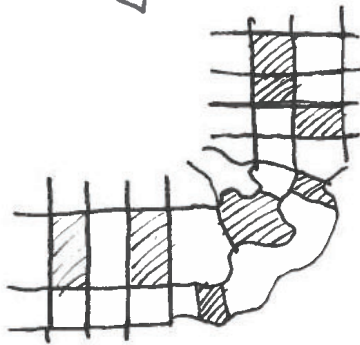


The factory

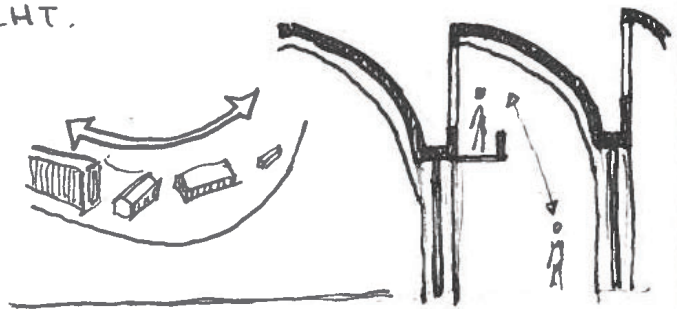
- grass field towards water.
- rhythm of facade
- shape of roof
- relatively closed.
- isolated from other buildings
- visible structure
- brick with contrast to concrete.



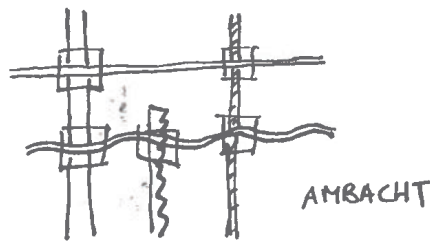
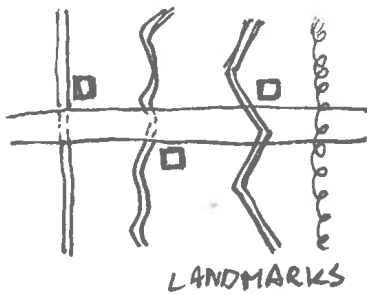
- VIEWLINES
- BORDER
- nod
- PUBLIC & GREEN



- MAAR DAN NIET TWEE DIMENSIONAAL.
- AMBACHT.



precision
ROUTING
CONNECTIONS
WAYFINDING
NETWORK
LAYERS



A makerspace is a collaborative work space inside a school, library or separate public/private facility for making, learning, exploring and sharing that uses high tech to no tech tools.

– Makerspaces.com

Makerspaces represent the democratization of design, engineering, fabrication, and education. – Make Magazine

Makerspace is more than a space itself, it is a mindset that can and should be taught.

– Gerstein

A makerspace is a place where students can gather to create, invent, tinker, explore and discover using a variety of tools and materials.

– Diana Rendina

... [A] space where kids have the opportunity to make – a place where some tools, materials, and enough expertise can get them started. These places, called makerspaces, share some aspects of the shop class, home economics class, the art studio and science labs. In effect, a makerspace is a physical mash-up of different places that allows makers and projects to integrate these different kinds of skills.

– Dale Dougherty

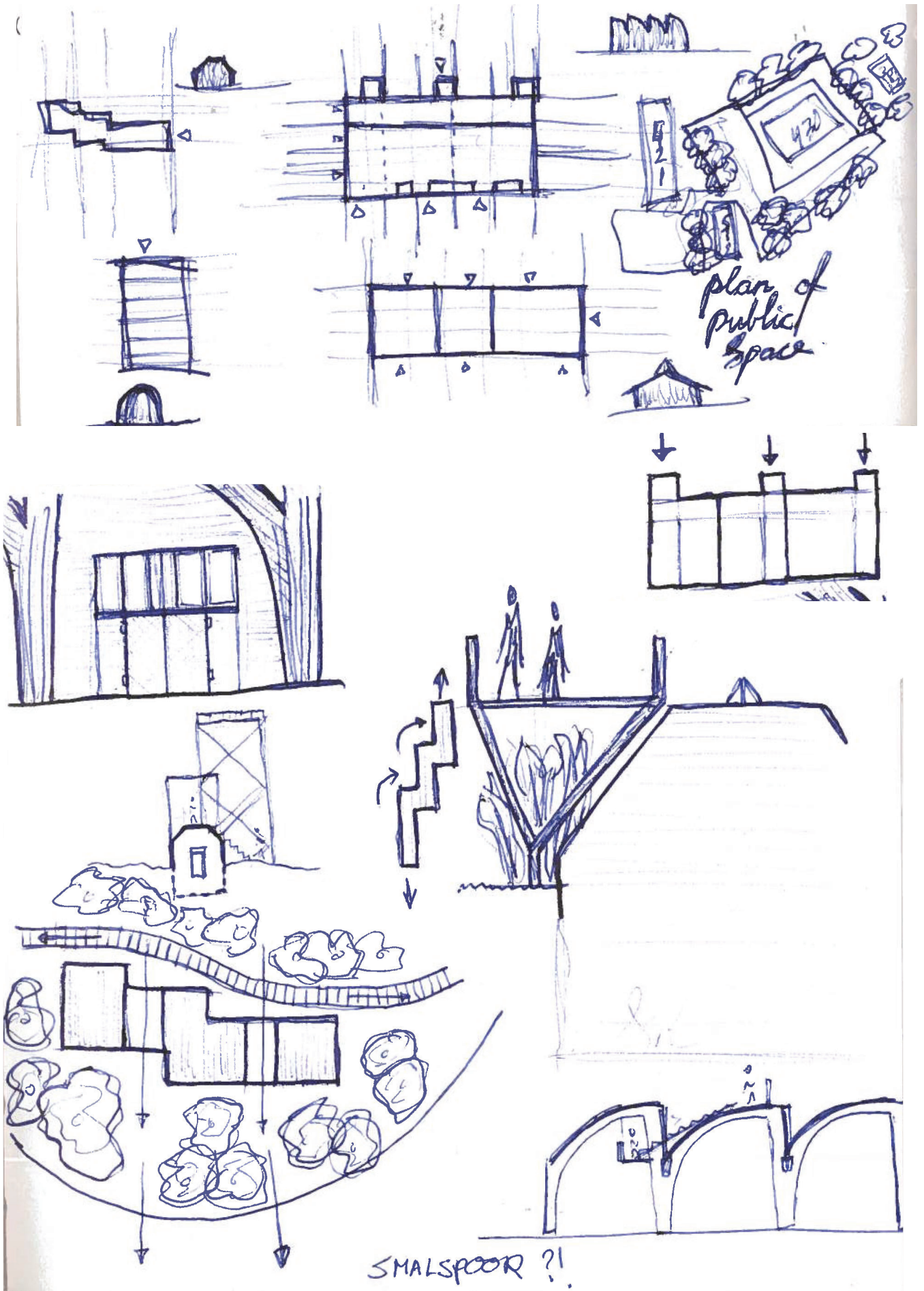
Even if you don't have access to expensive... hardware, every classroom can become a makerspace where kids and teachers learn together through direct experience with an assortment of high and low tech materials.

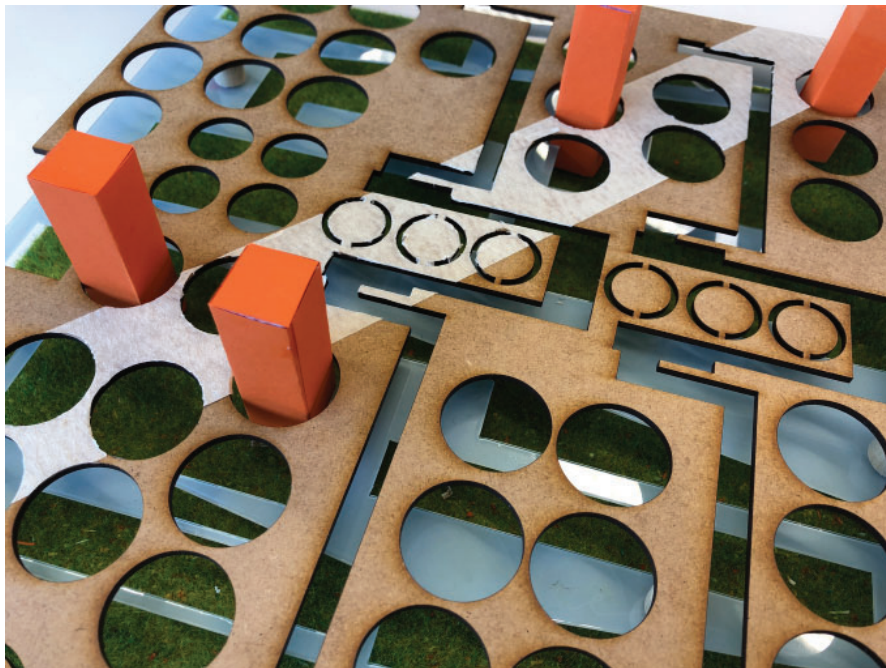
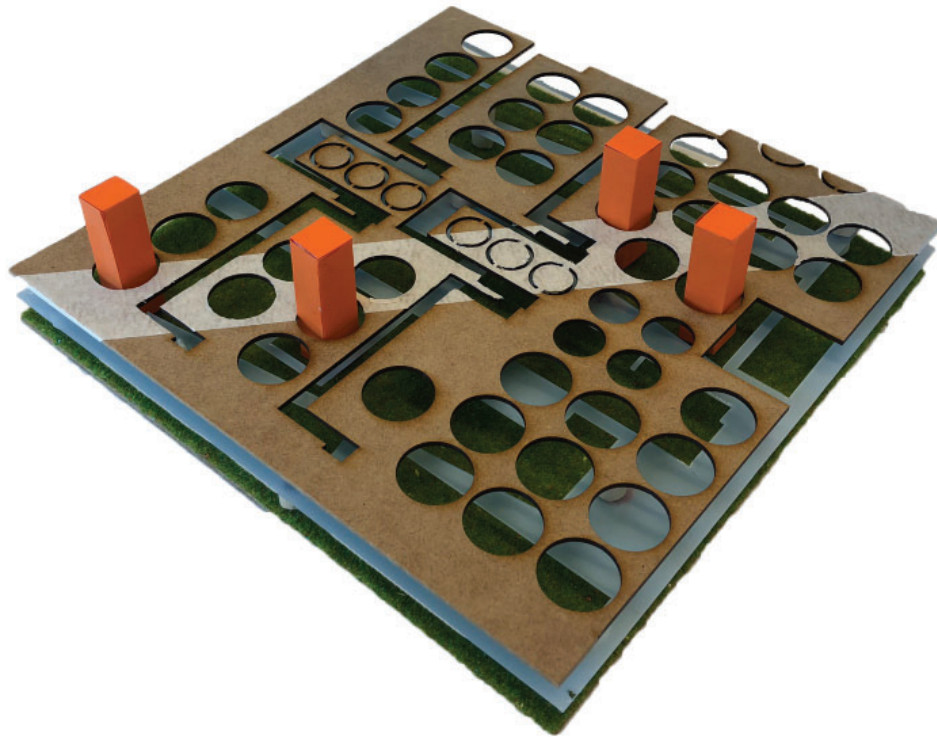
– Gary Stager and Sylvia Martinez

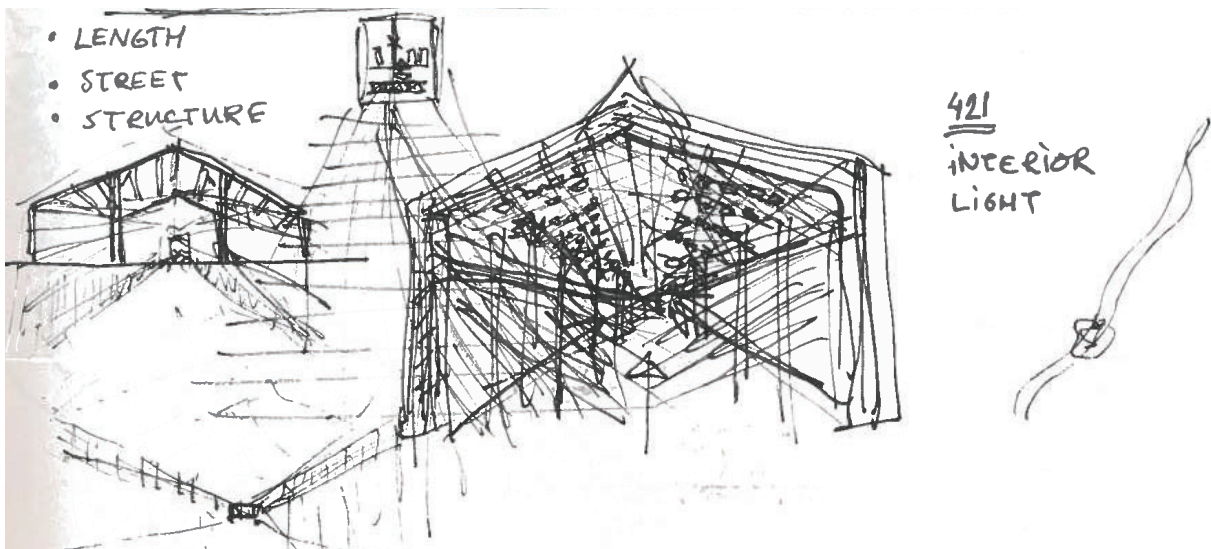
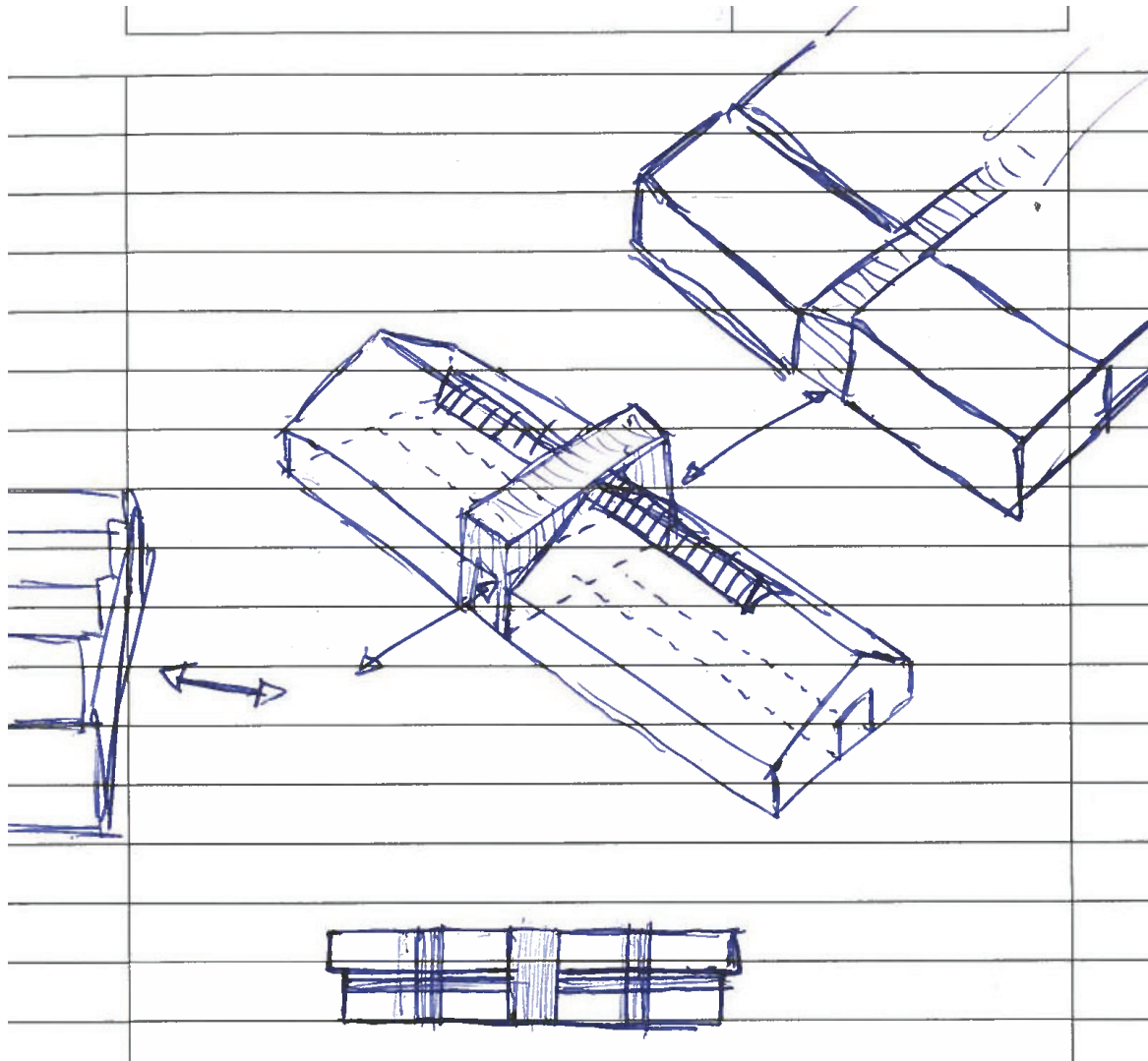
A Makerspace is a metaphor for a unique learning environment that encourages tinkering, play and open-ended exploration for all

– Laura Fleming

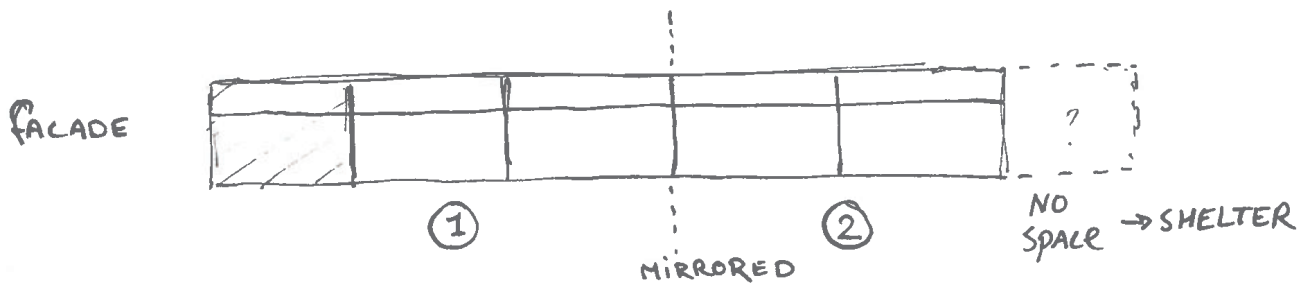
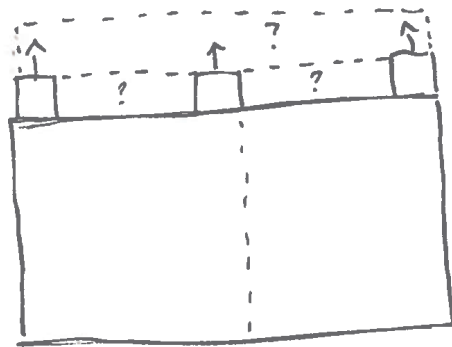
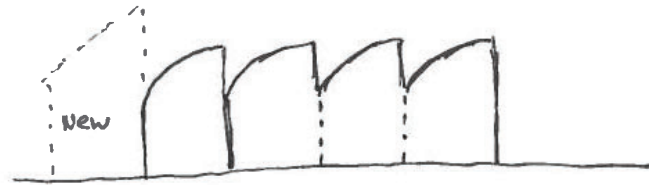
Source: <https://makered.nl/een-makerspace/>



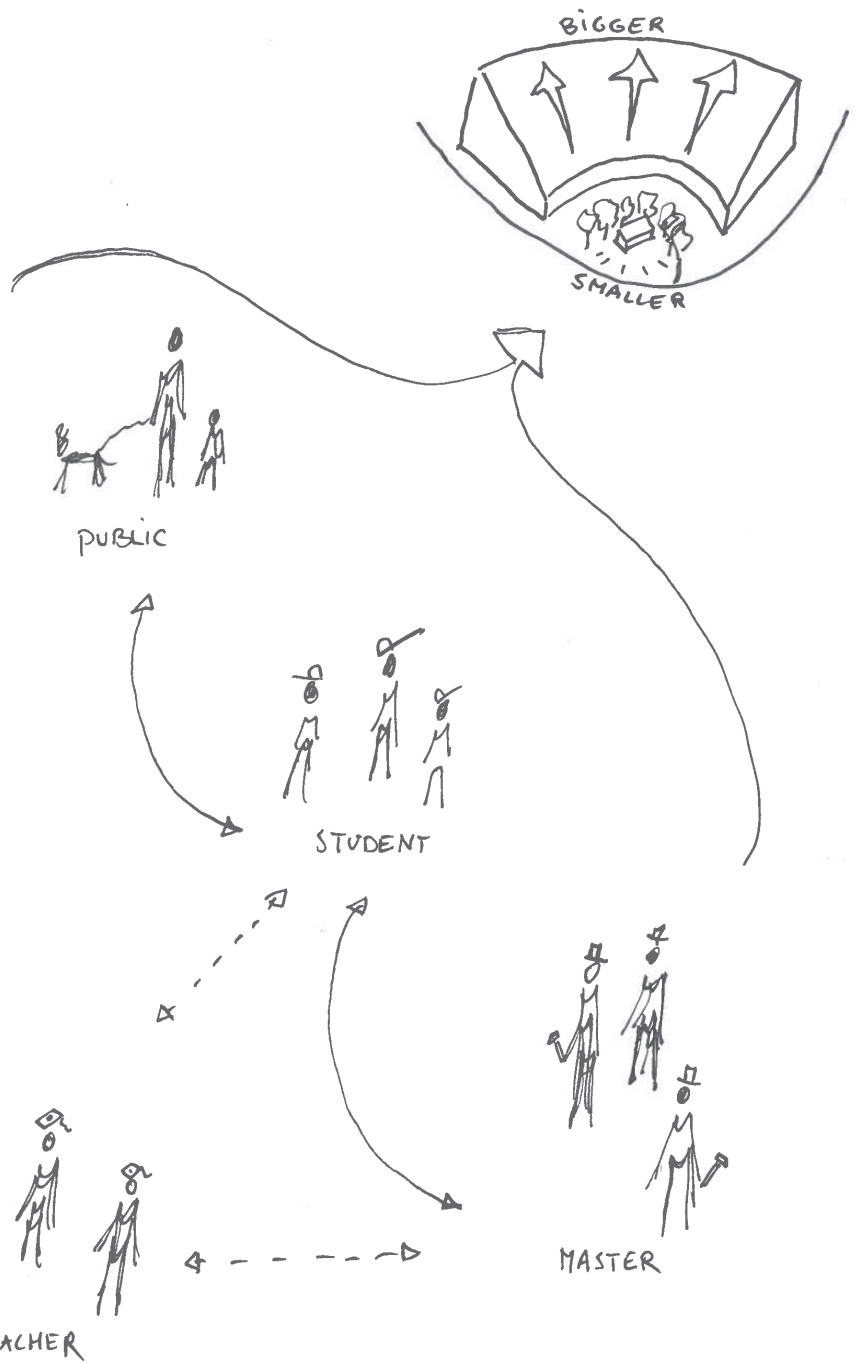
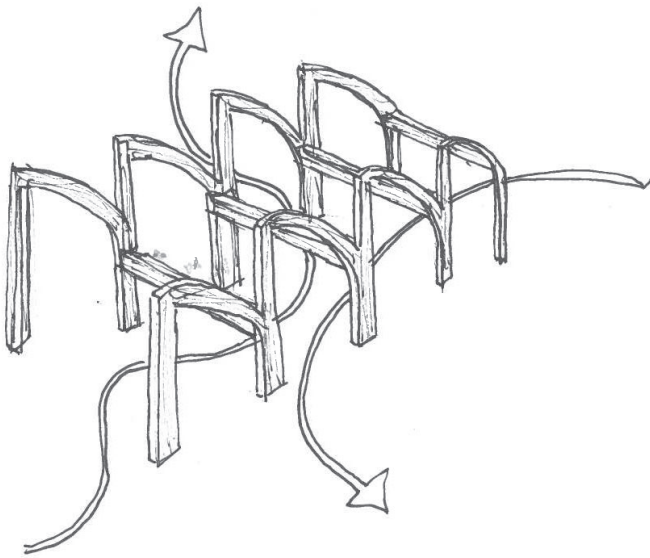


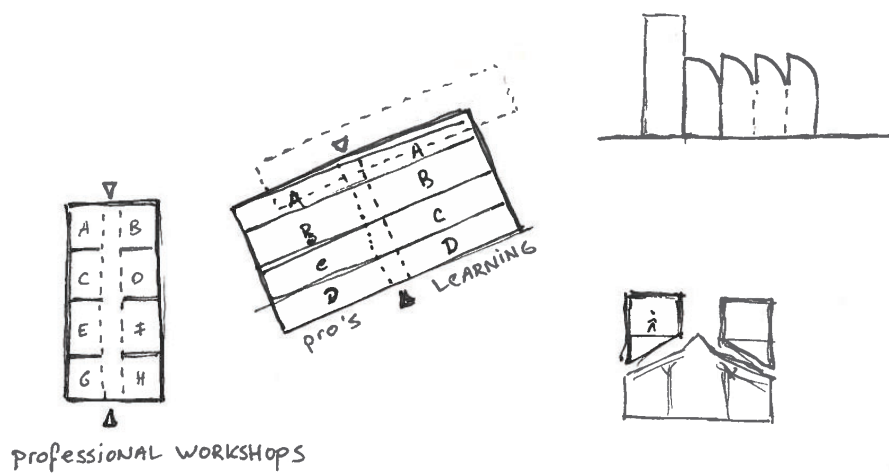




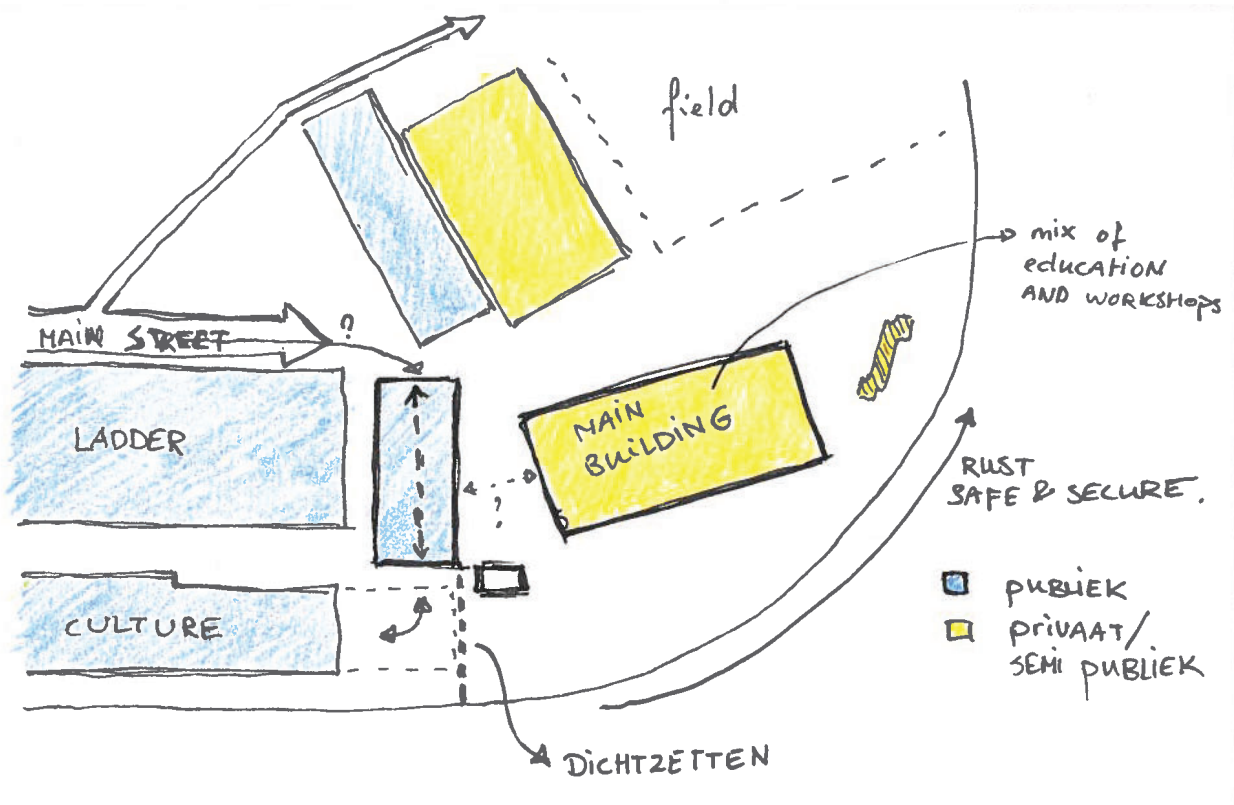


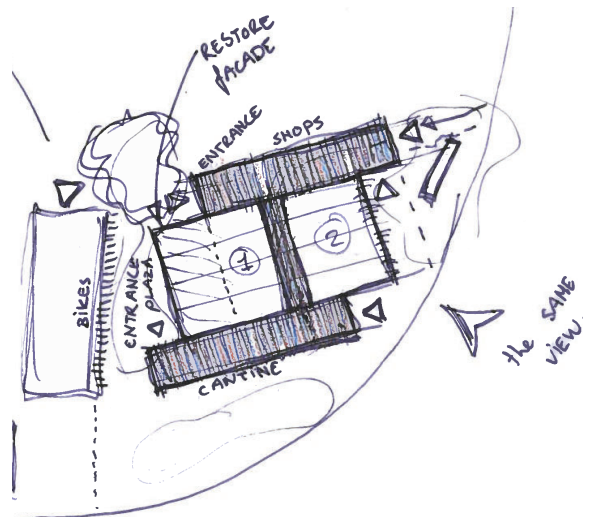
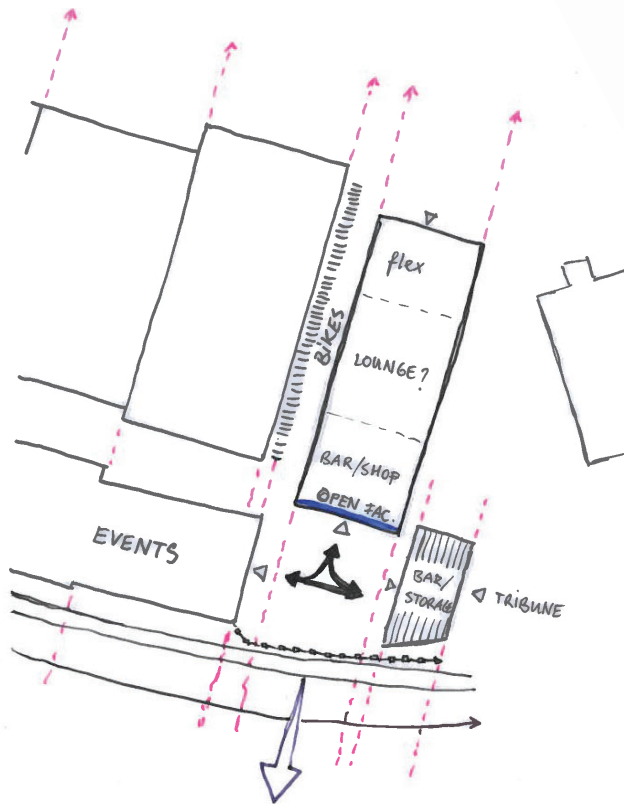
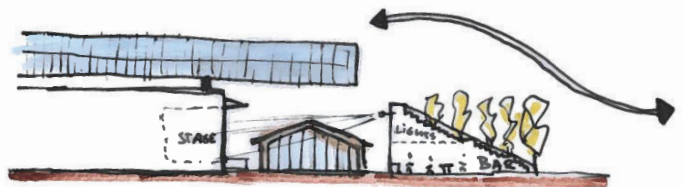
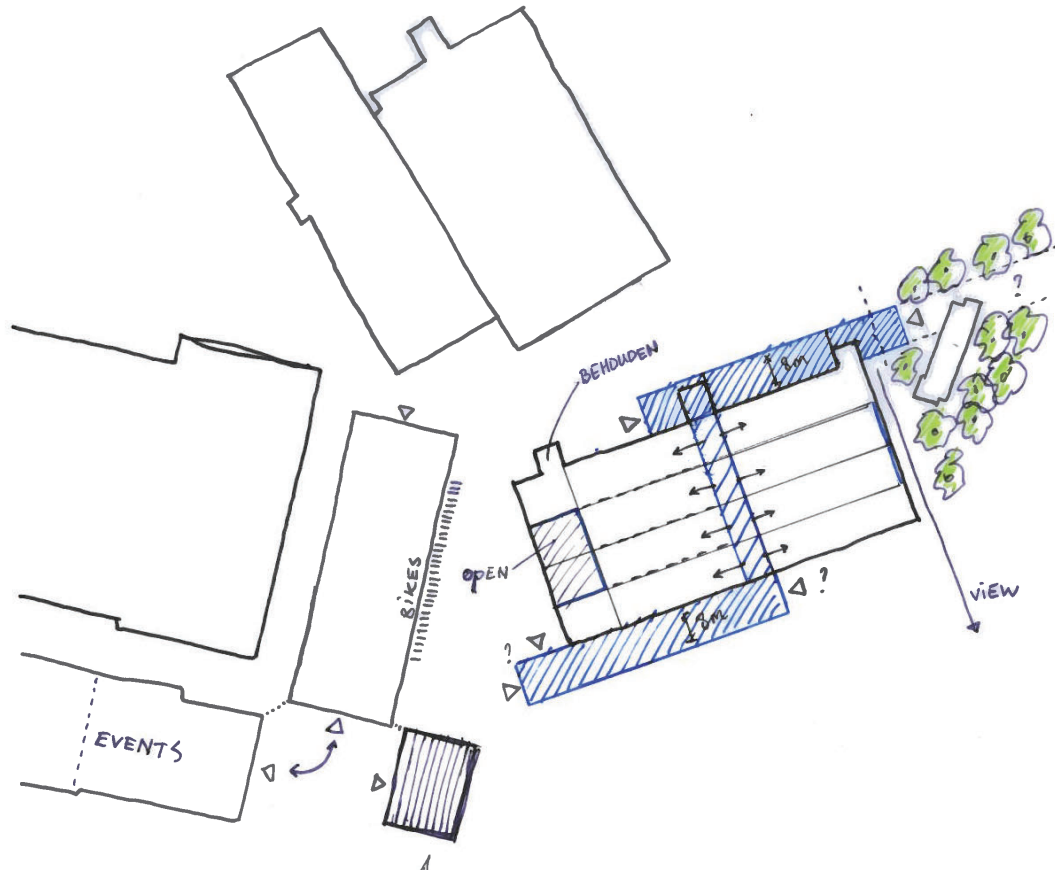
what would you like to limit?





- EFFICIENCY
- MULTI purpose





AMBACHTS ACADEMIE

LEERLING - GEZEL - MEESTER SYSTEEM



IN A SAFE AND PROTECTED ENVIRONMENT (VEILIGEN BESCHUT)

- 1. ERVAREN ONDERNEMERS
 - 2. ONDERWIJSKUNDIGEN
 - 3. LEERLINGEN
 - 4. PUBLIEK
- SEKUNDAIR
PRIMAIR
SECUNDAIR
SECUNDAIR

- AMBACHTEN :
- edelsmid
 - lijstemaker
 - meubelmaker
 - MEUBELSTOFFEERDER
 - SCHOENHERSTELLER
 - TASSENMAKER
 - FIETSHERSTELLER
 - GLAZENIER
 - KERAMIST
 - MAATKLEERMAKER

ELK EIGEN WENSEN/EISEN.
→ flexibiliteit?
GROOTTE GROEP?
AANTAL/GROOTTE AMBACHT?

ONDERWIJSKUNDIGEN

- KANTOREN
- VERGADERKWIJTE
- KANTINE
- RECEPTIE/ENTREE
- KOFFIECORNER

ERVAREN ONDERNEMERS

- WERKPLAATS
- KANTINE
- KANTOORTJE
- WASRUWTE
- KOFFIECORNER
- OPSLAG

LEERLINGEN

- KANTINE
- BREAK-OUT ROOM
- KLASLOKAAL
- FIETSENSTALLING
- KOFFIECORNER
- STUDIEPLEKKEN

PUBLIEK

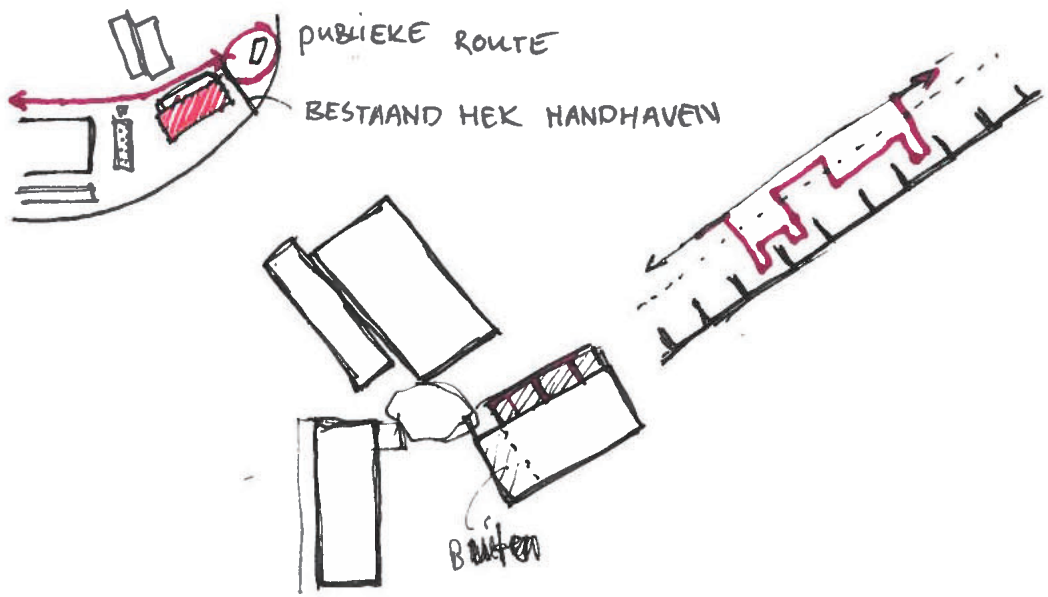
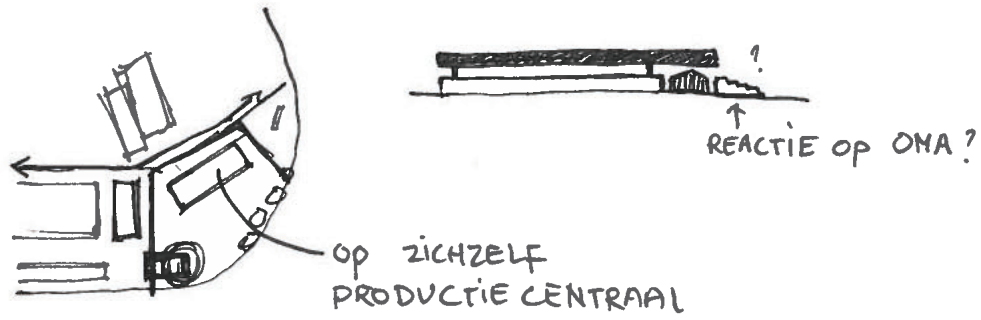
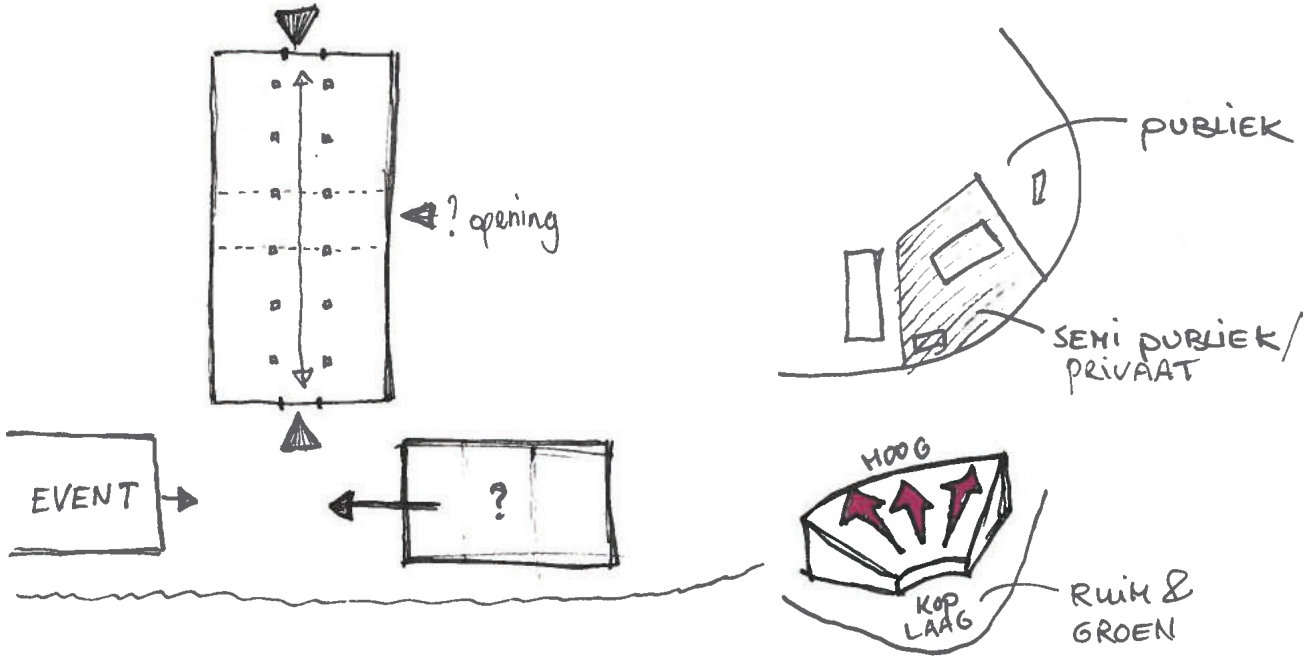
- FIETSEN
- WINKELS
- DISPLAYS

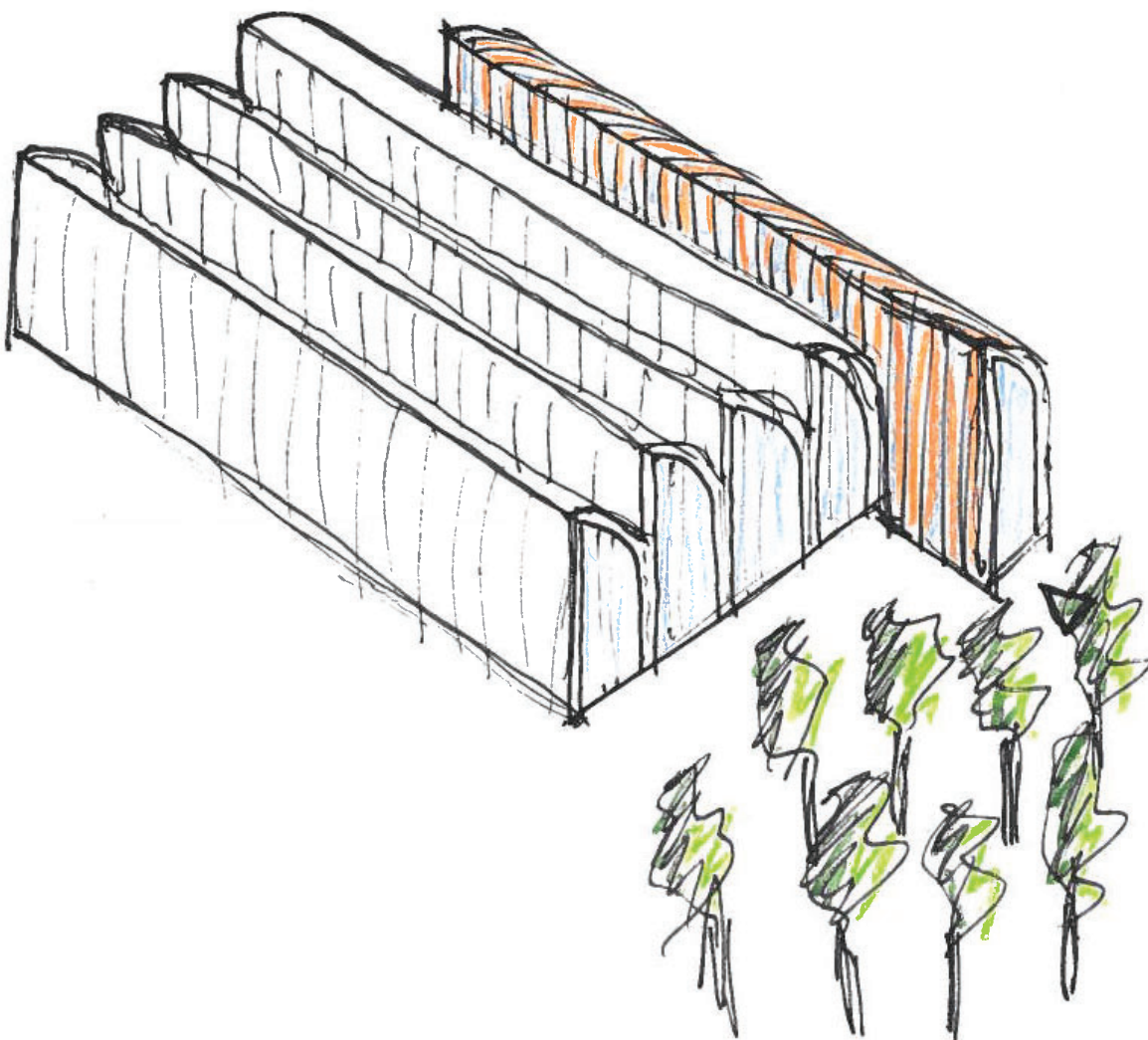
ROOKWIJTE?

APPROACH : STICK TO functions ^{concept} CONTRAST. ^{analogy to materialisation.}
AGAINST : CONSUMARISM
MASS-PRODUCTION
POLLUTION
DIGITALISATION

421

contactmoment publiek
KLANTVRIENDELIJKHEID LEREN
CONNECTIE GEBOUW 429



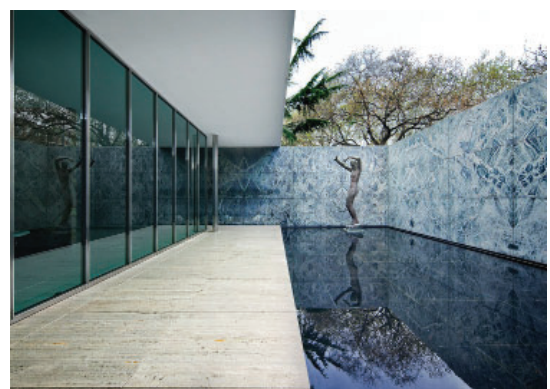




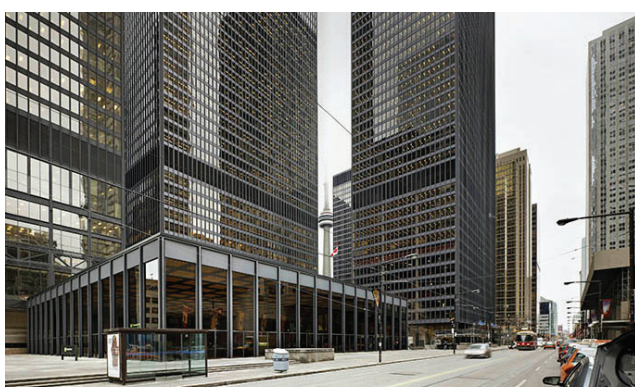
Villa Tugendhat (1928-1930)



Barcelona Pavilion (1928-1929)

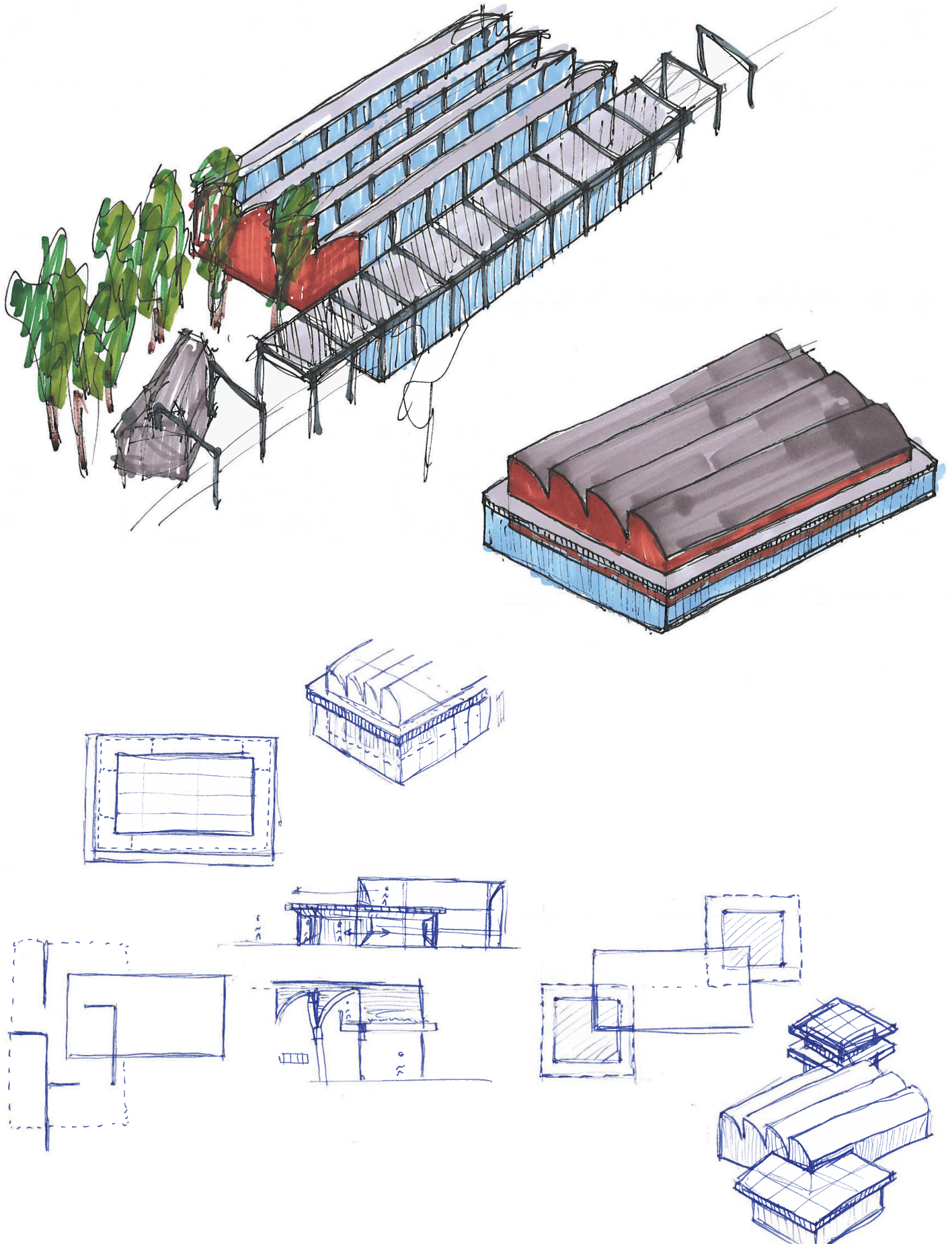


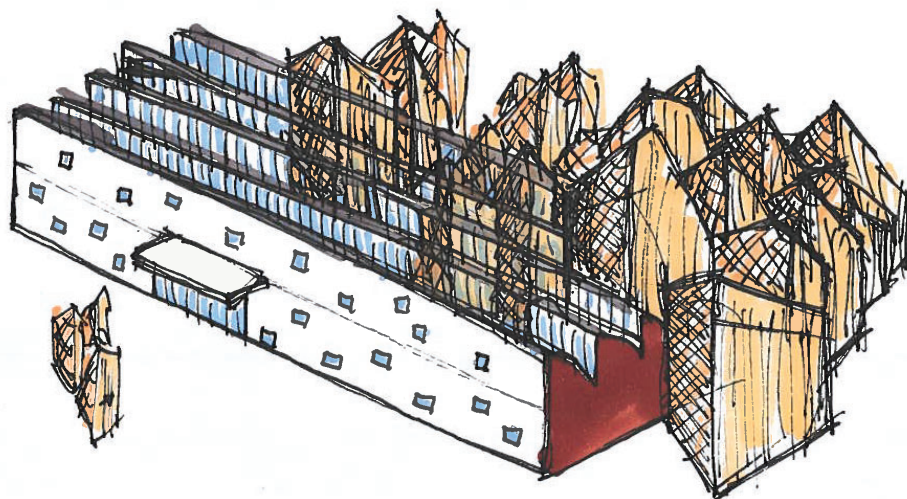
Farnsworth House (1945-1951)

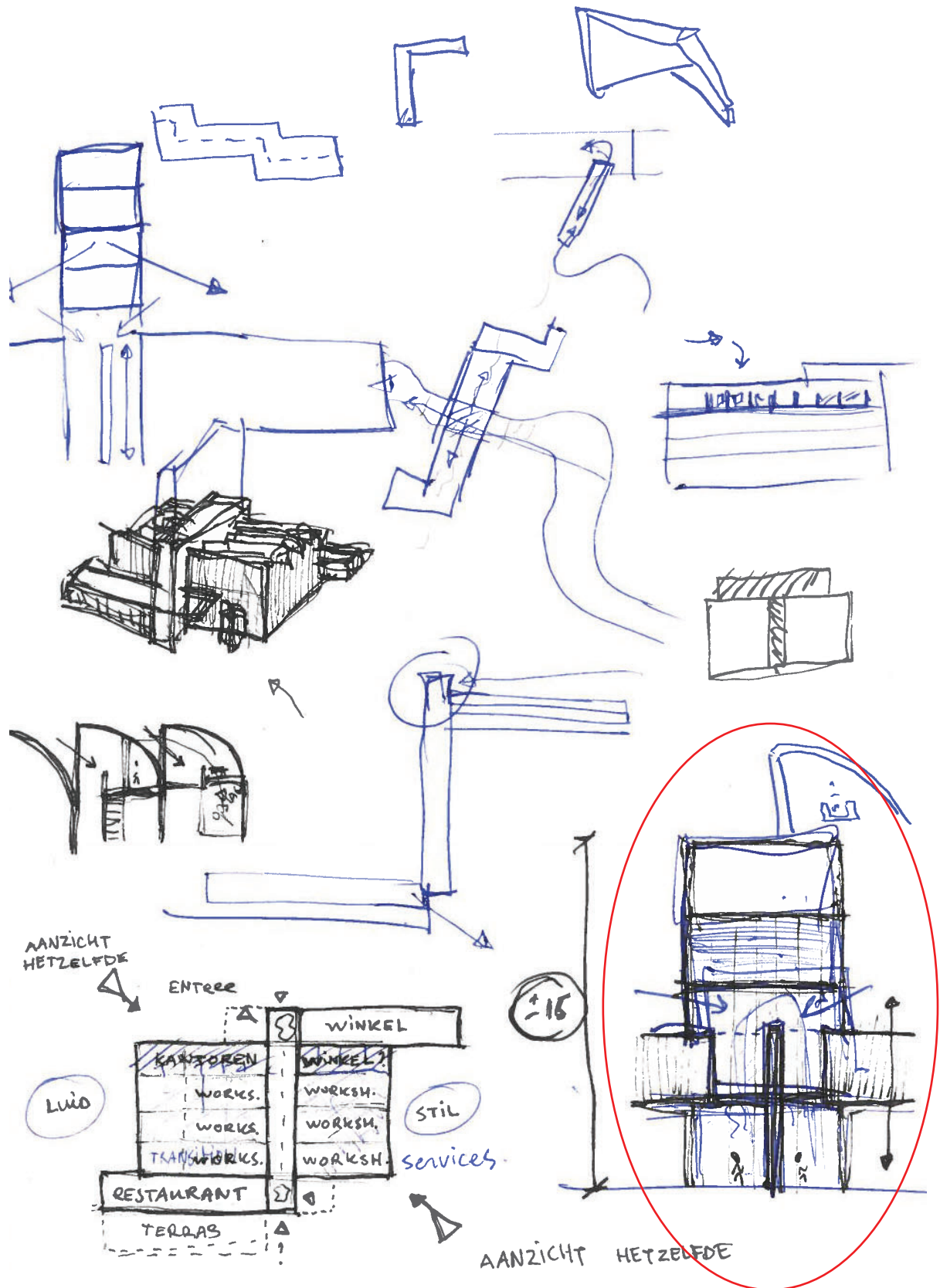


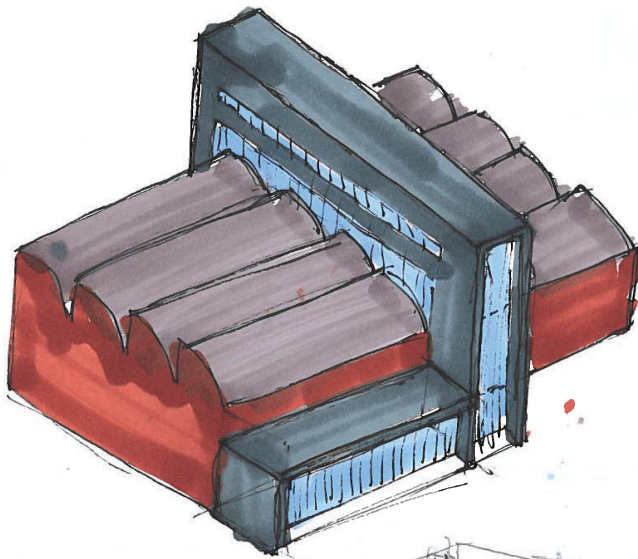
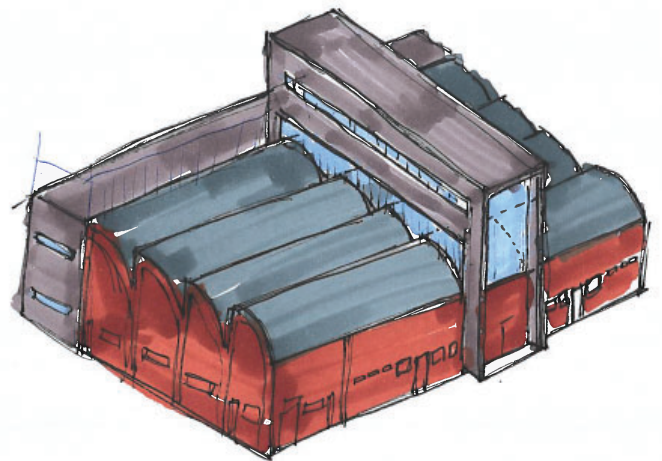
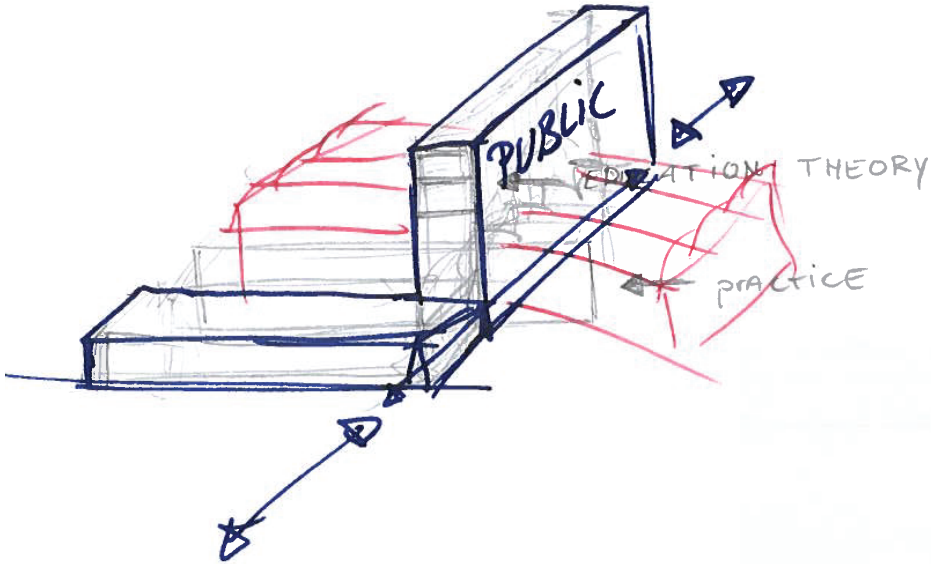
Toronto Dominion Centre (1963-1969)

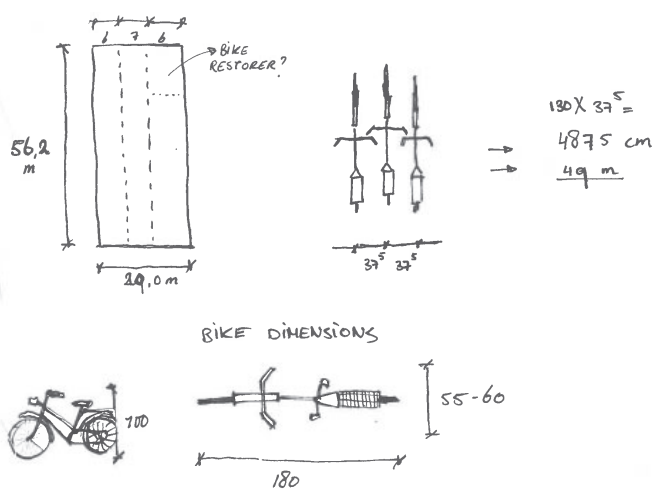
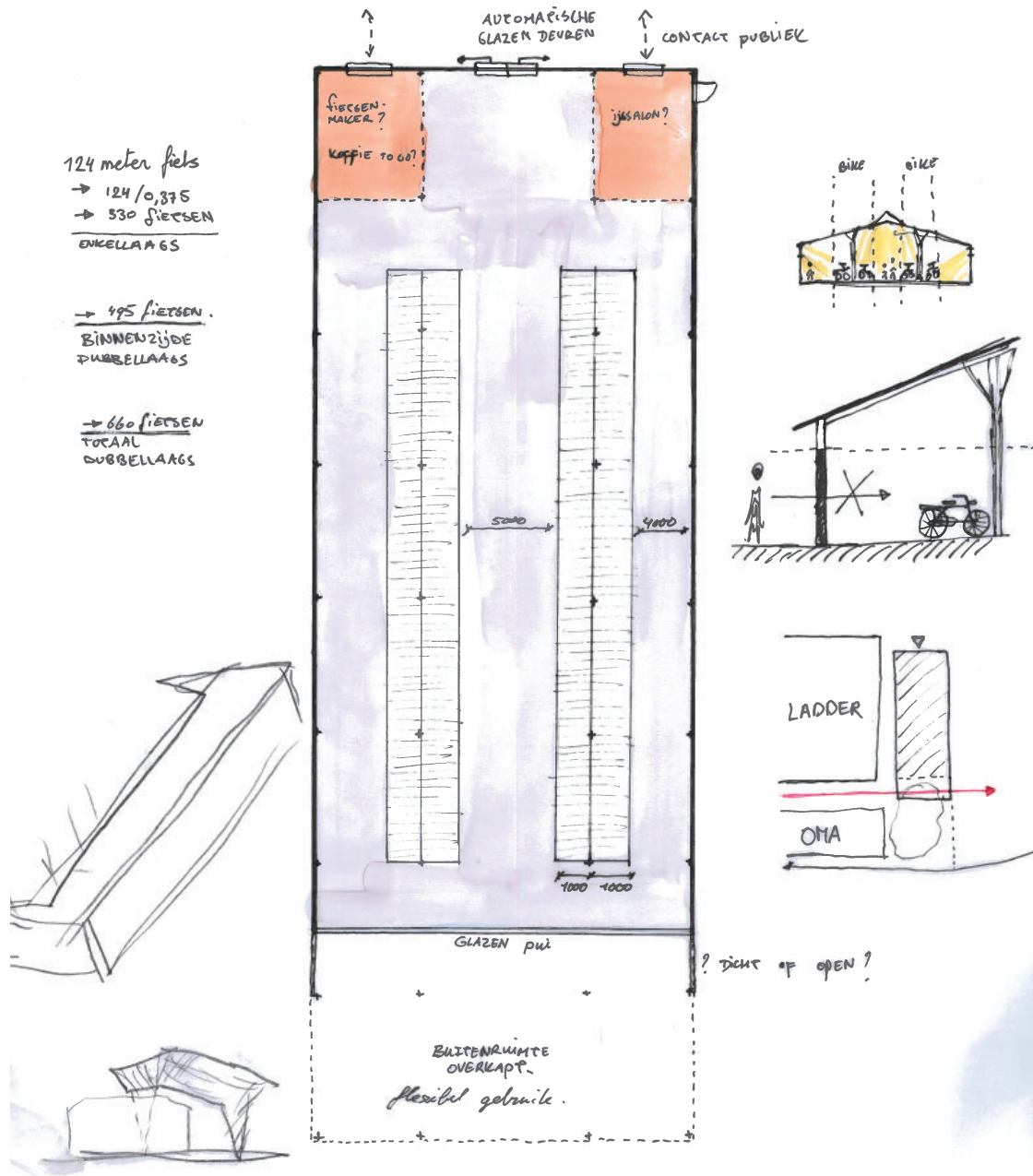


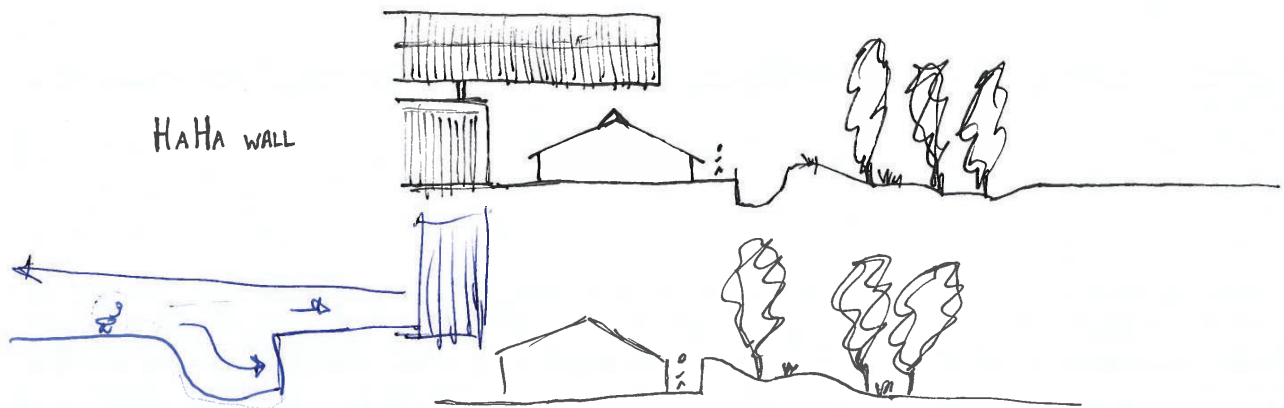


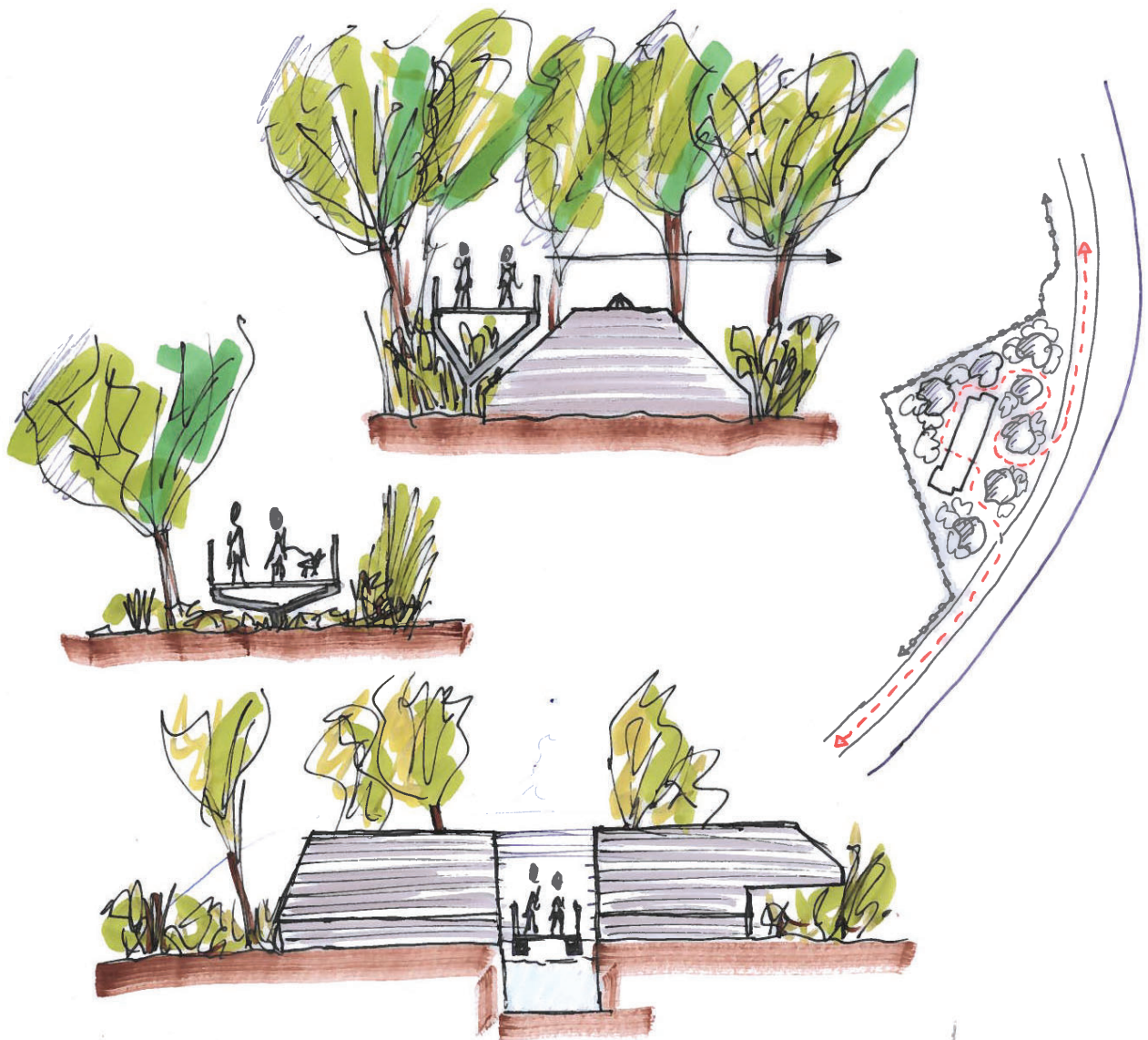
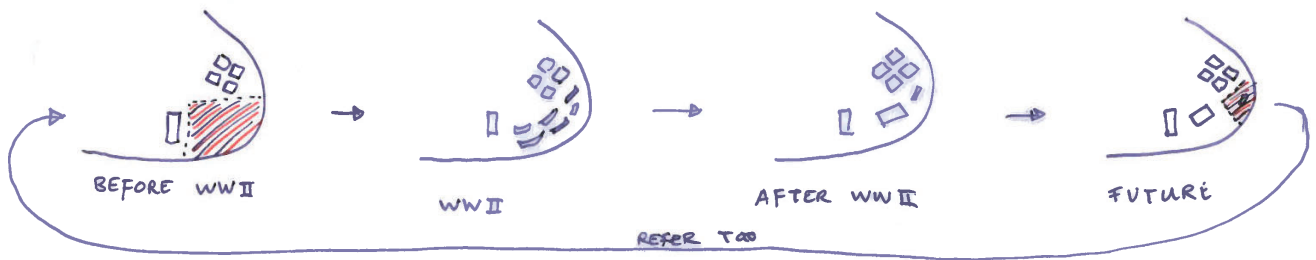


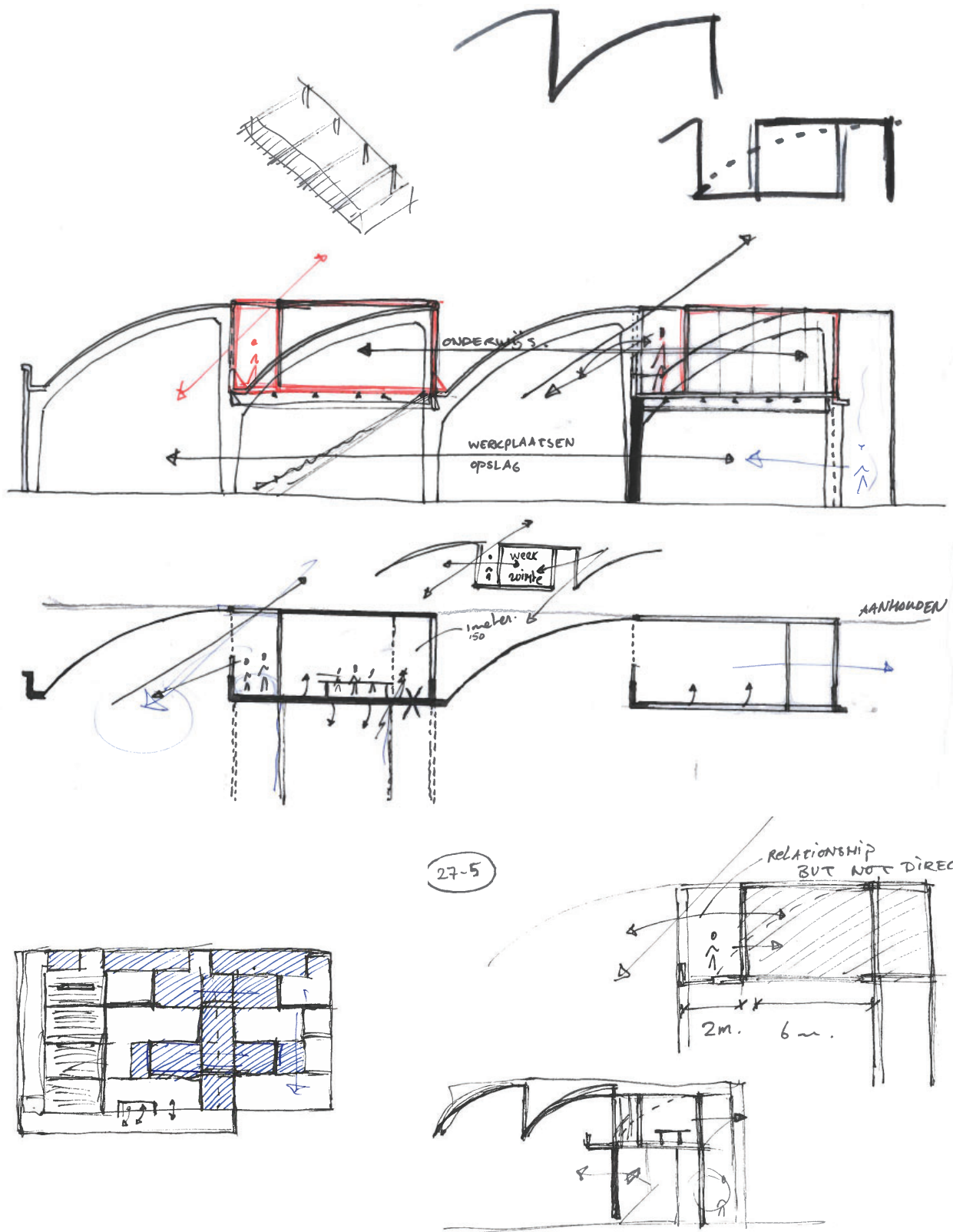


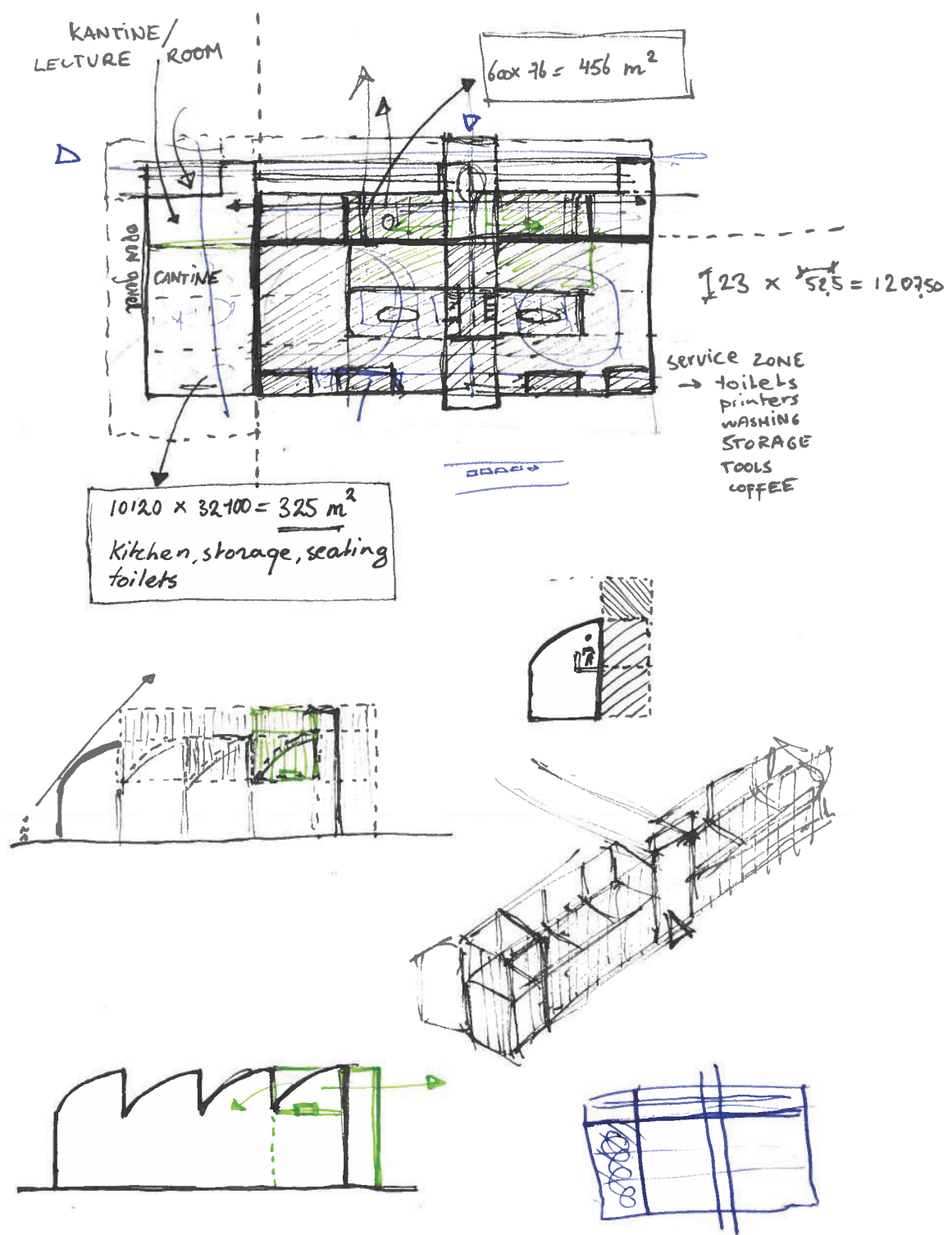


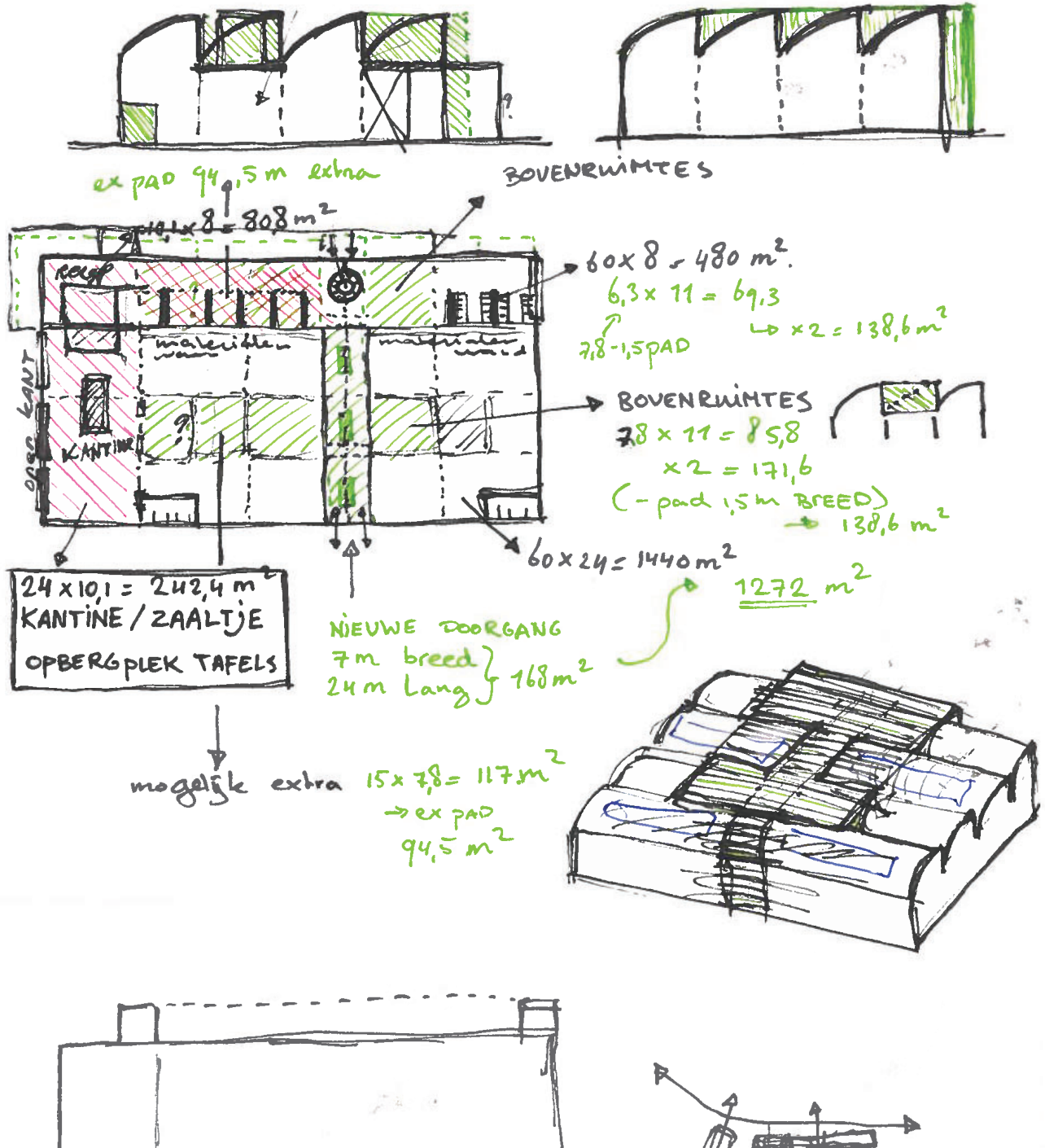


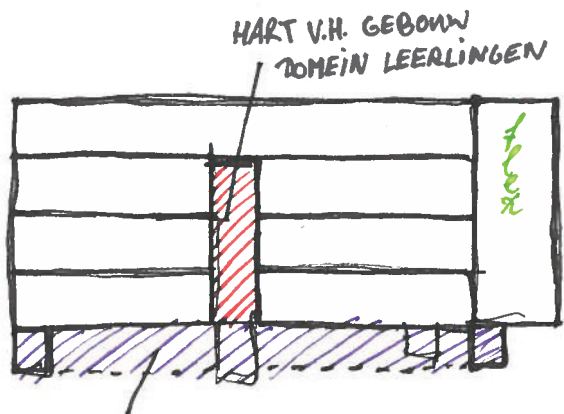








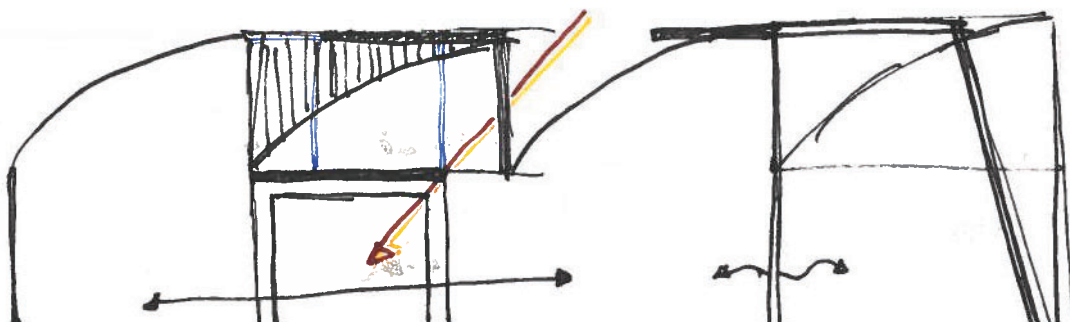
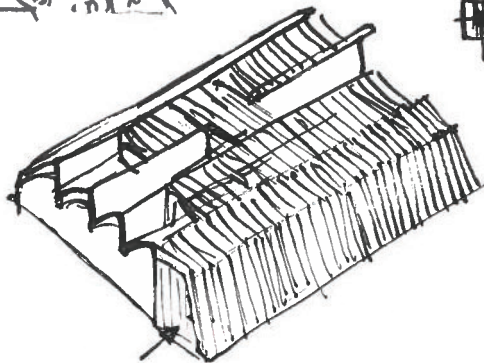
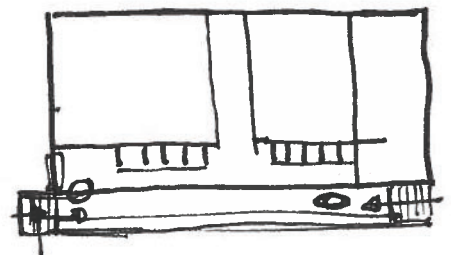
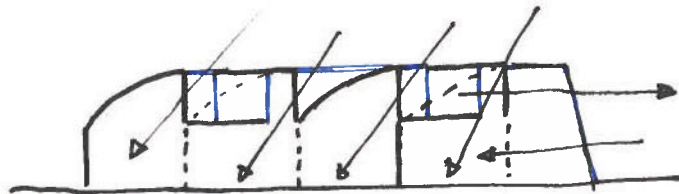


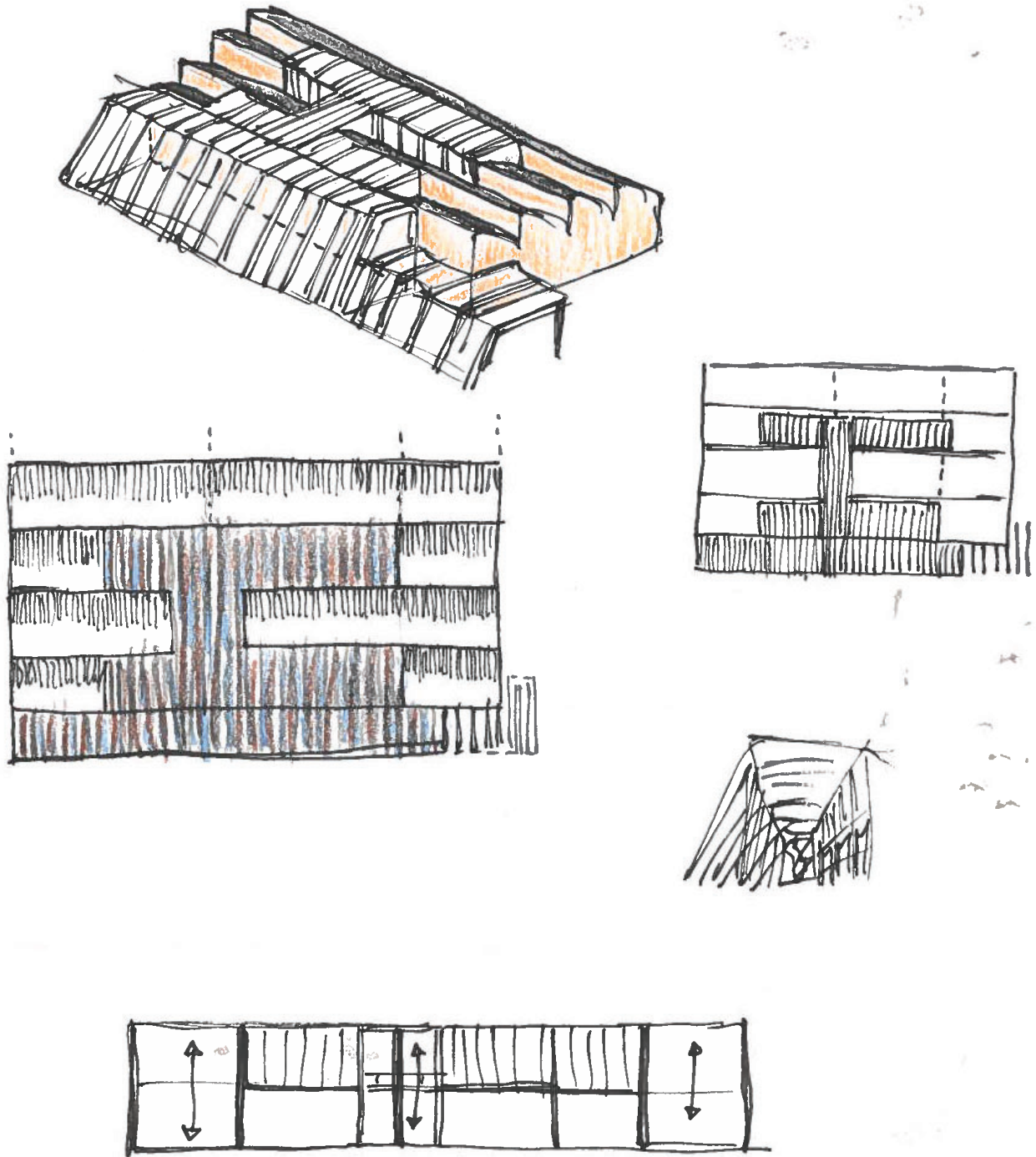


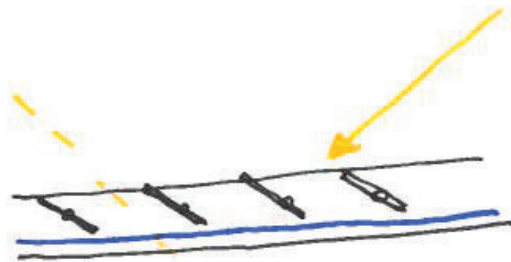
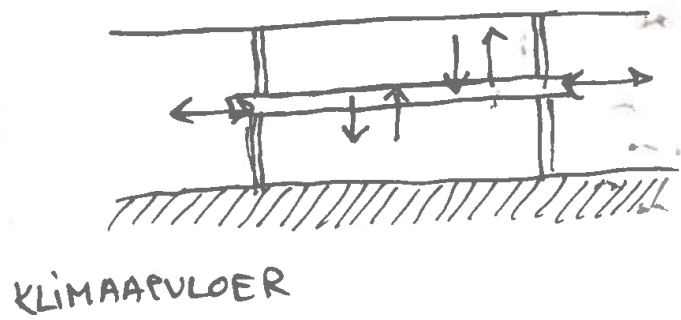
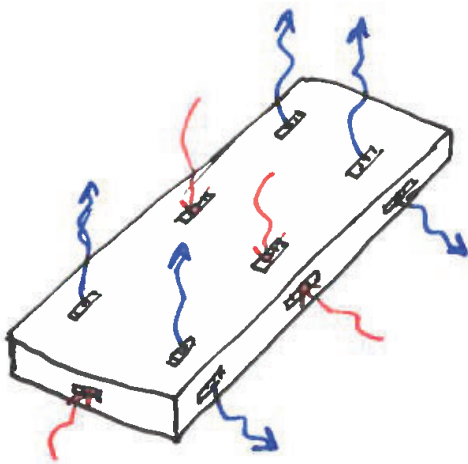
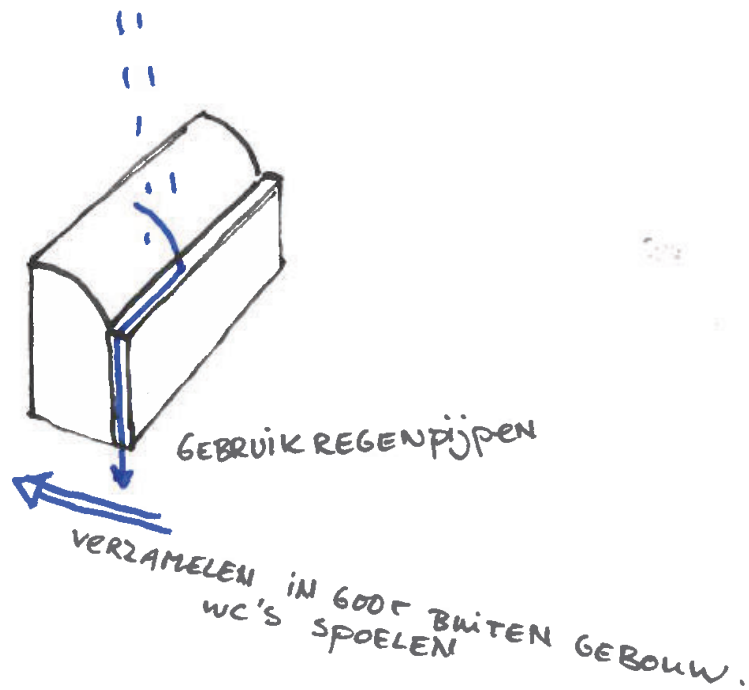
HART V.H. GEBOUW
TOEGANG LEERLINGEN

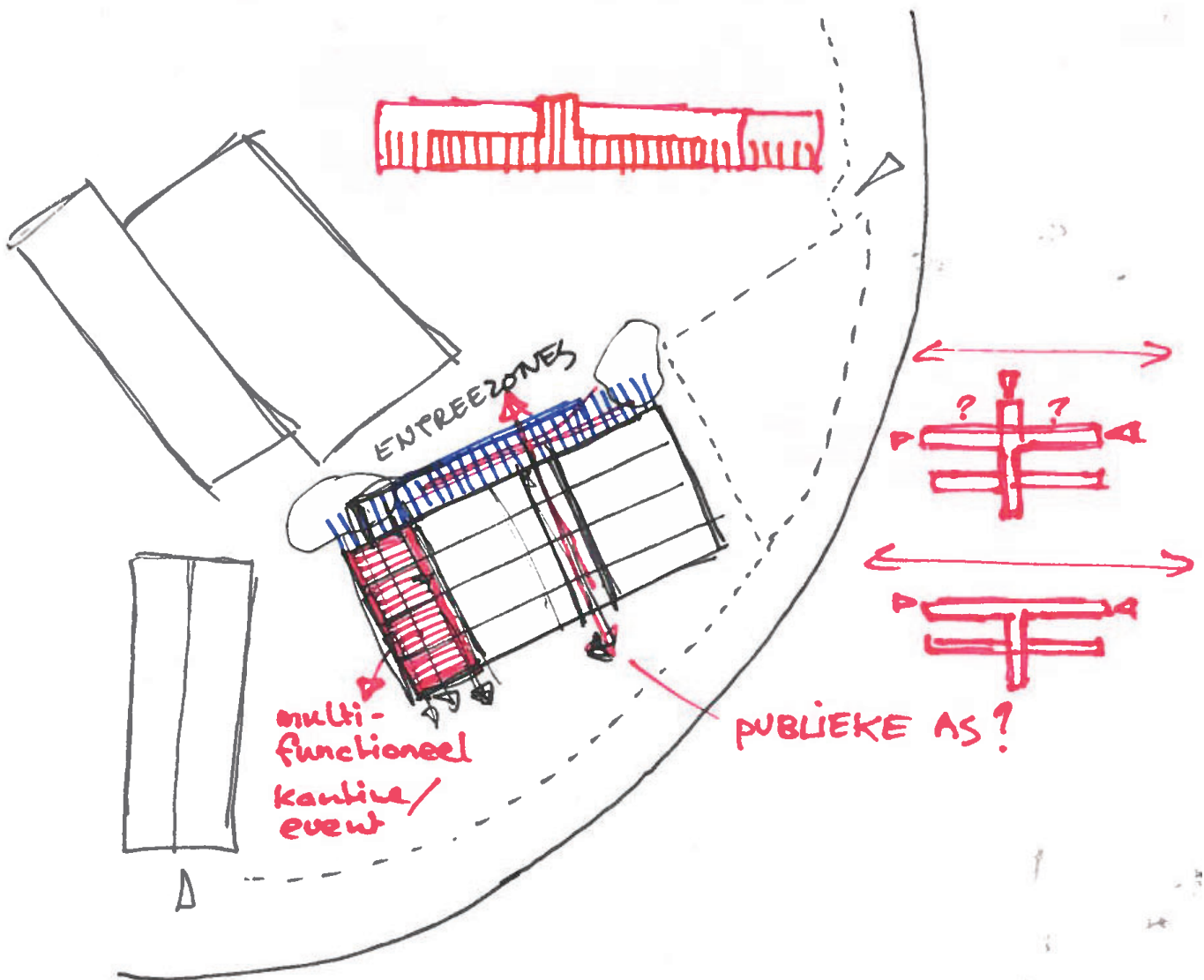
PUBLIEK

BESPREEKKAMERTJES
WC'S
TECHNISCHE RUIMTES
OPSLAG



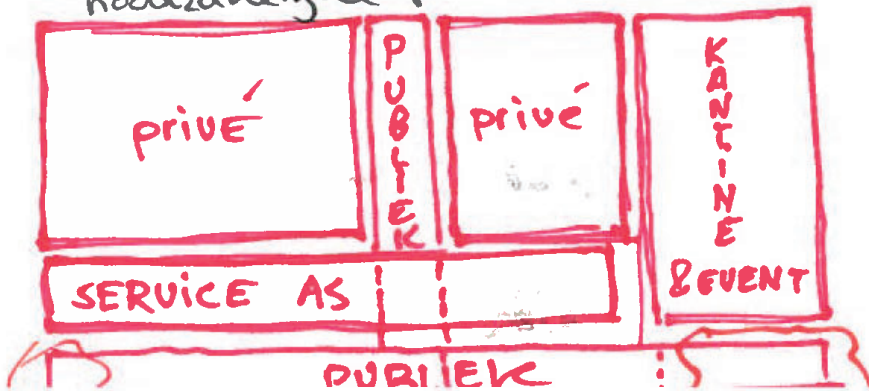


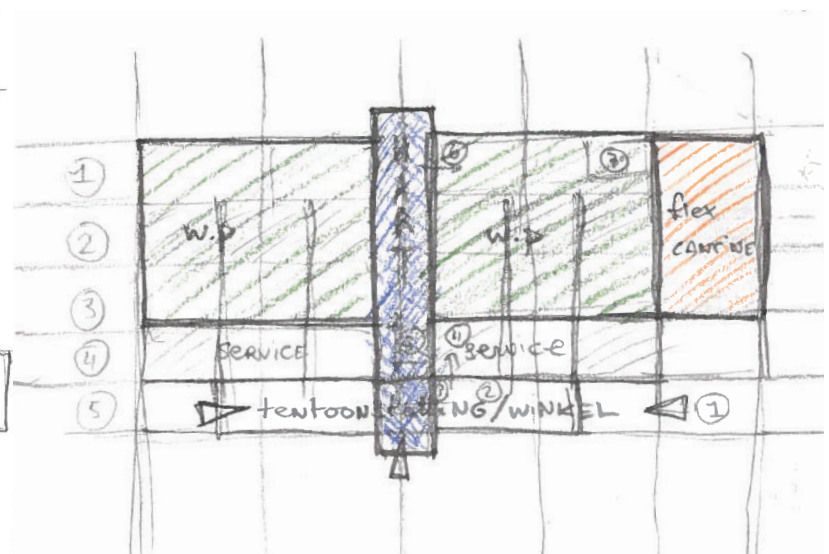
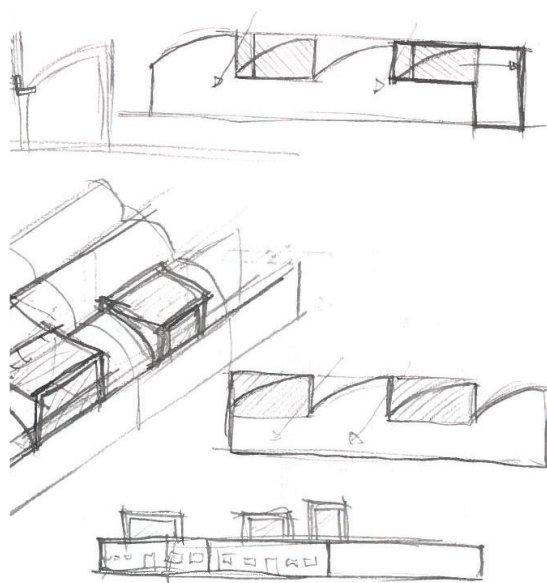
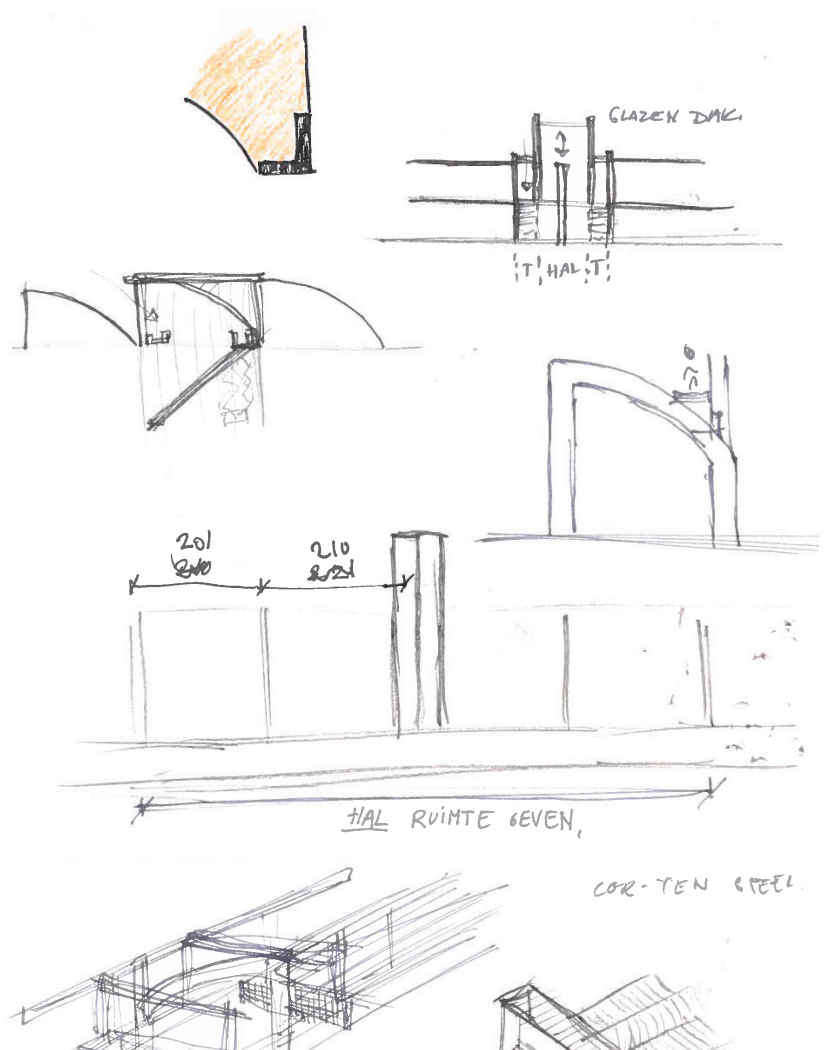
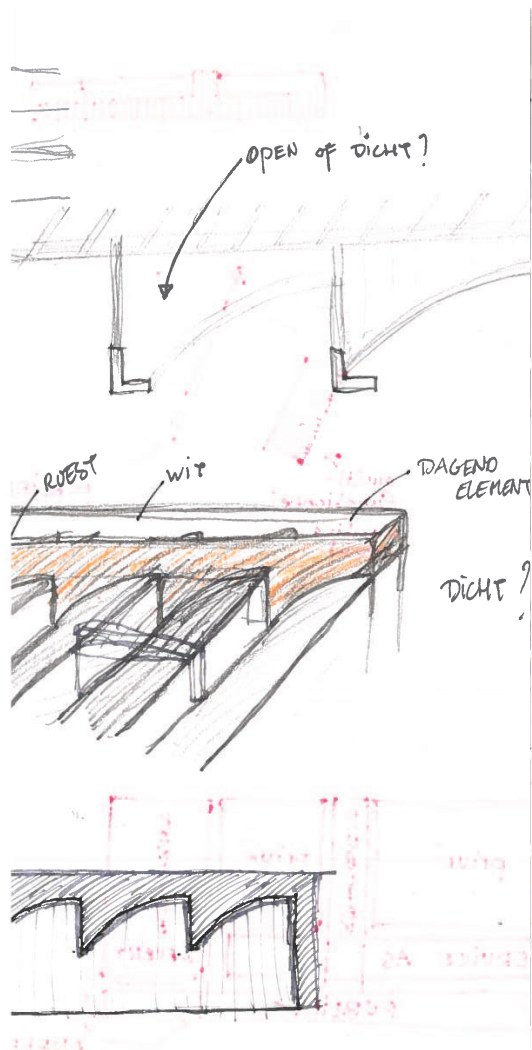


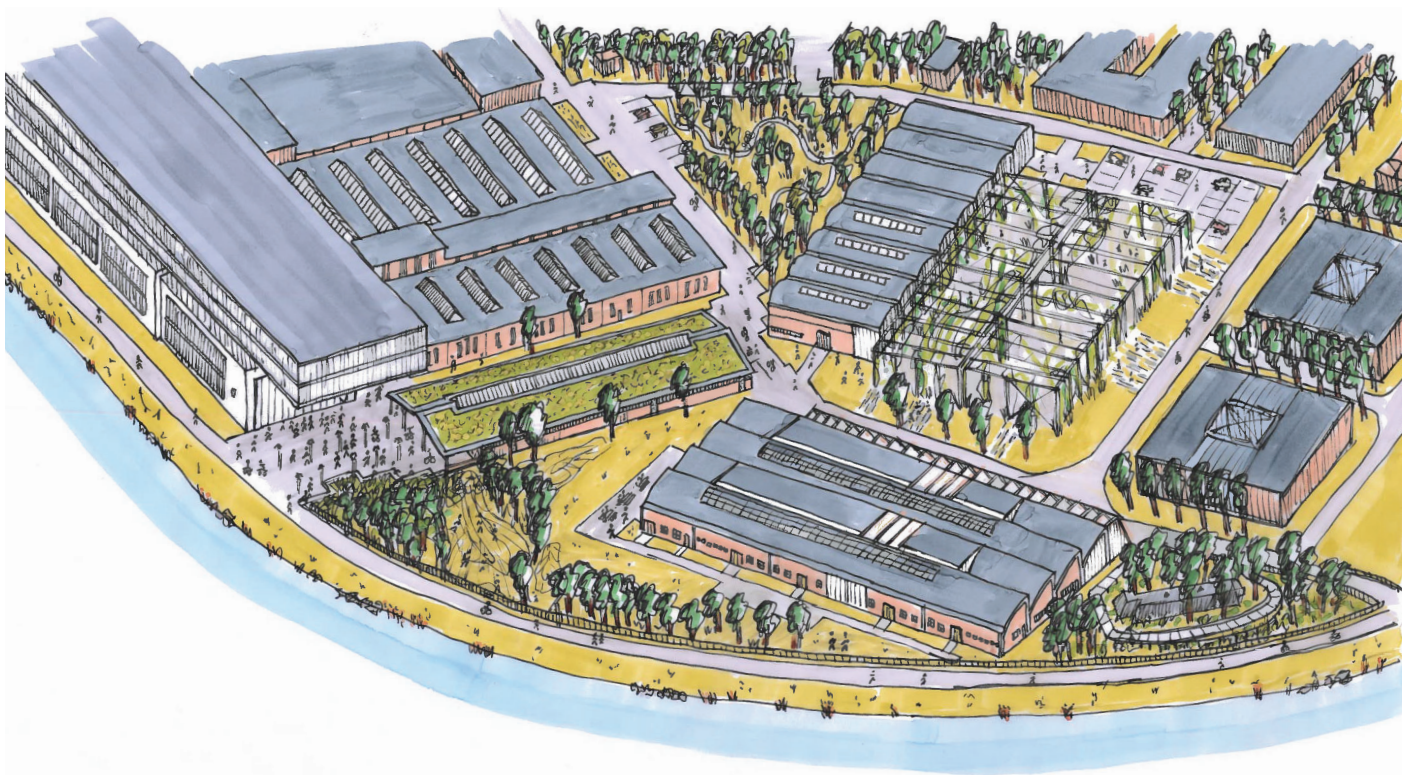


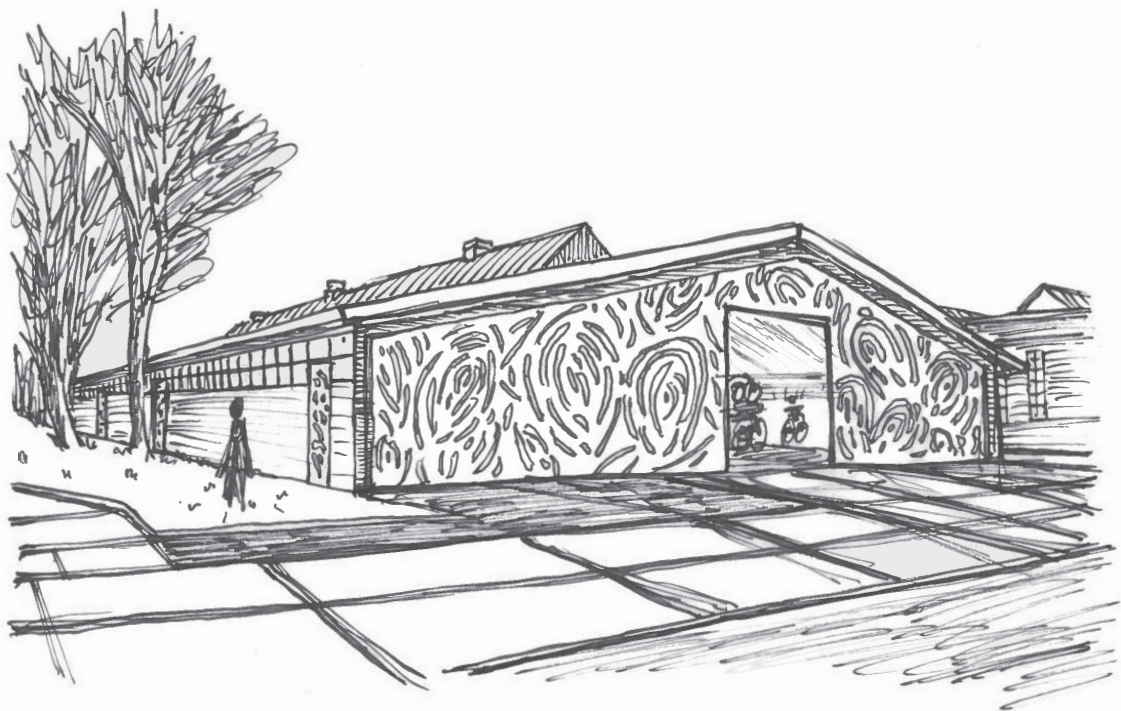
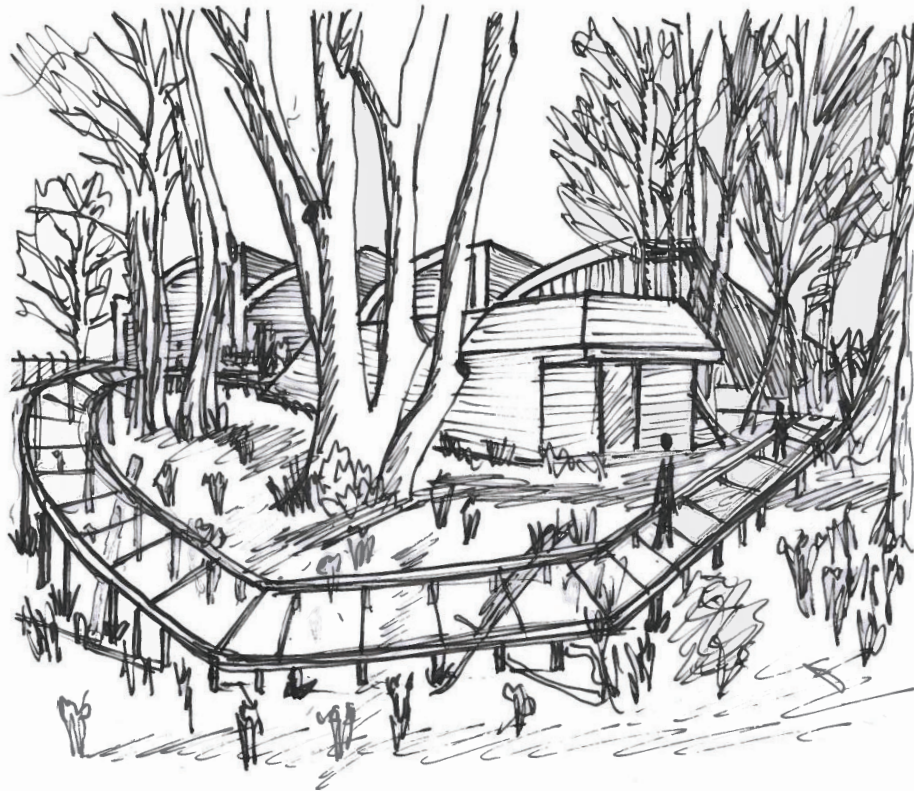
functies

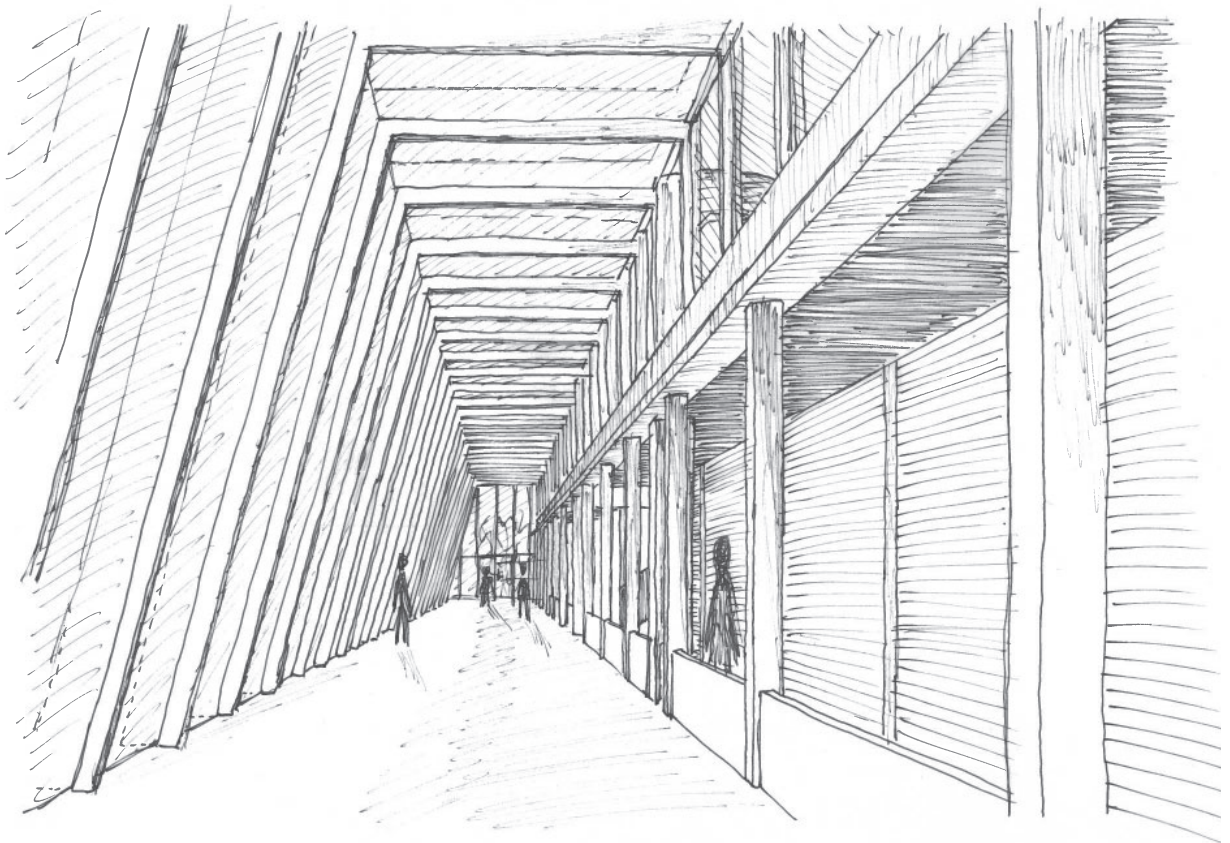
- ☆ weekplaatsen → kern van het nieuwe programma
- noodzakelijke faciliteiten → wc's (mannen (vrouwen) 120 personen).

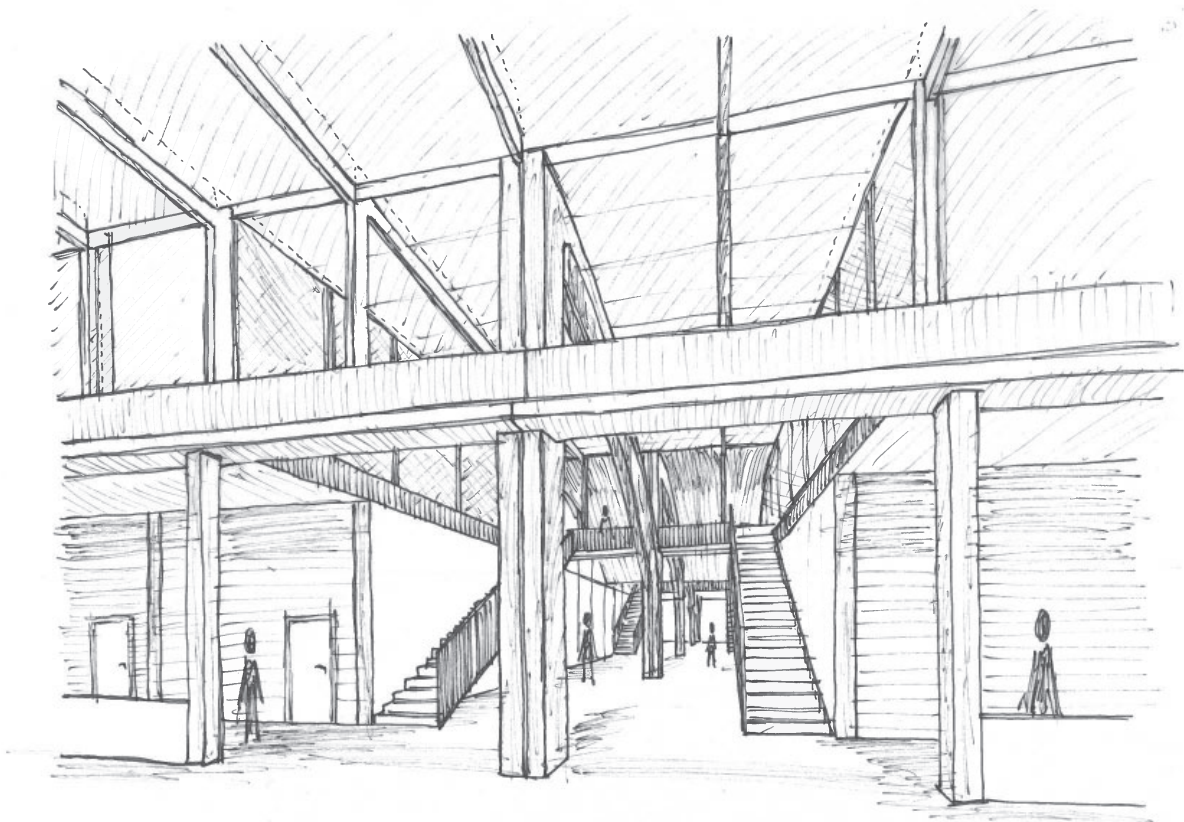


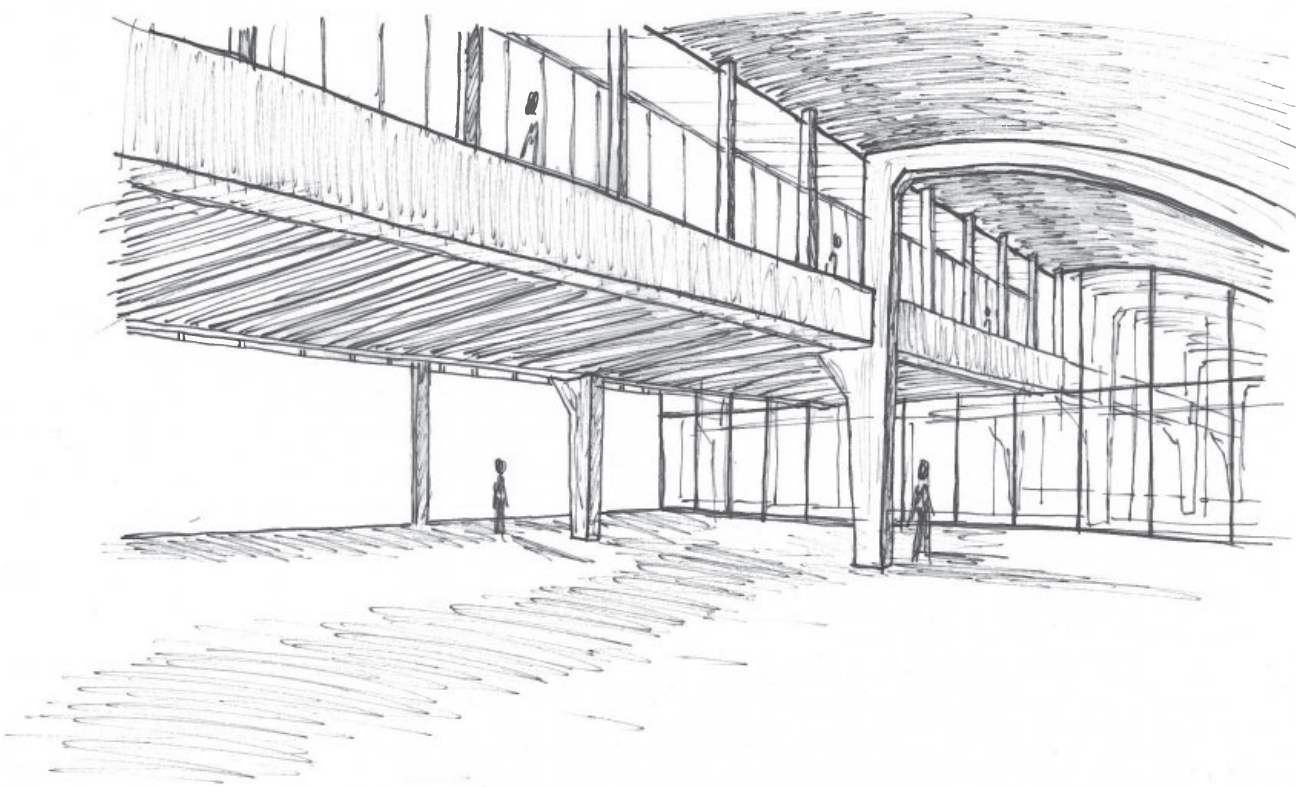
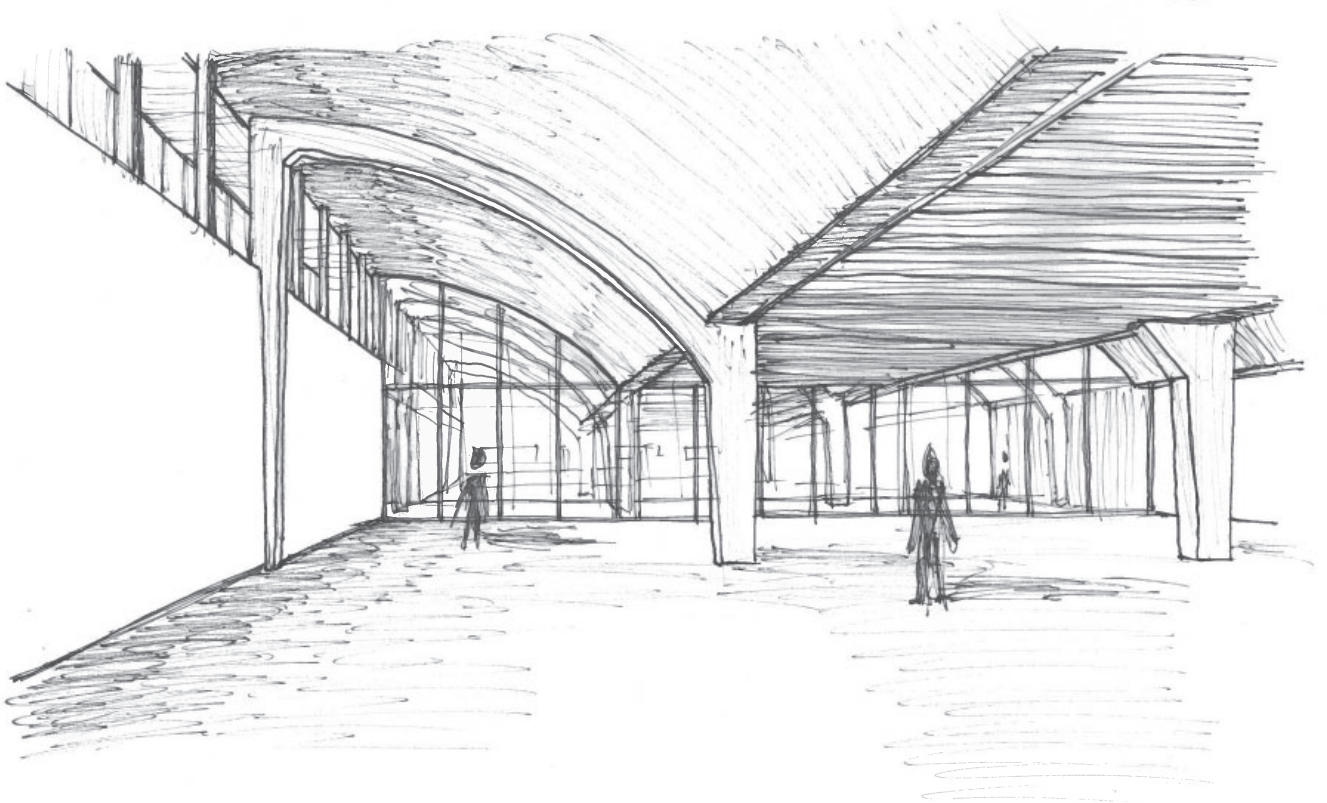


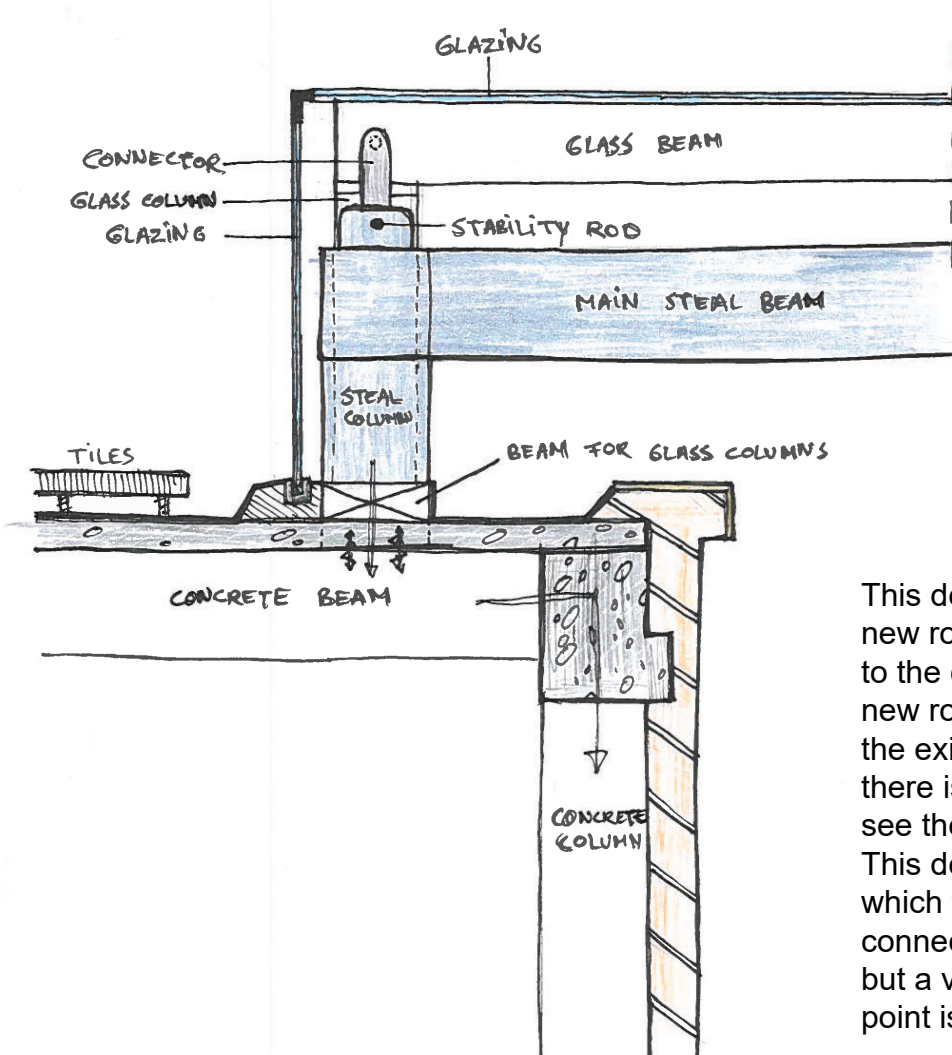
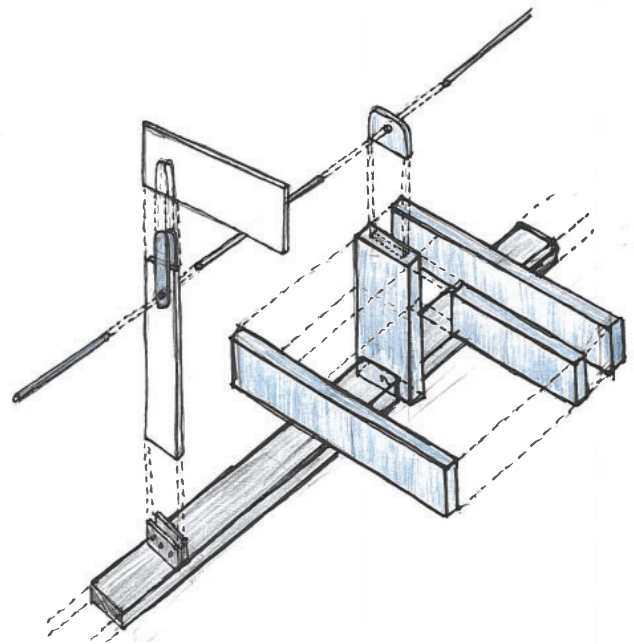






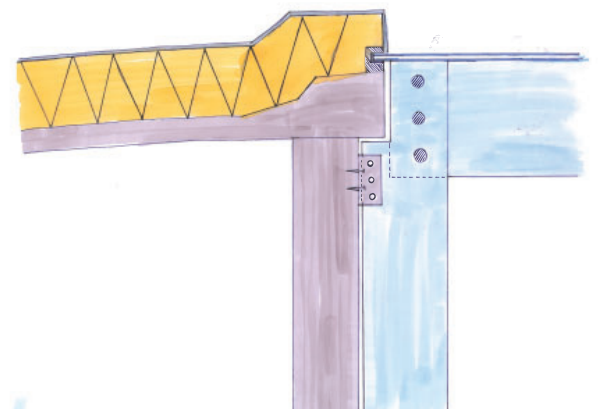
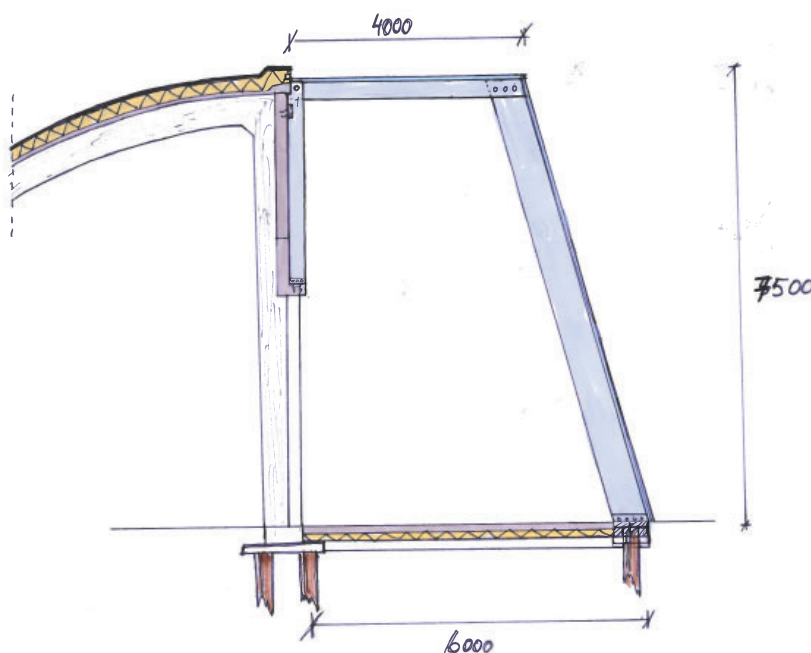
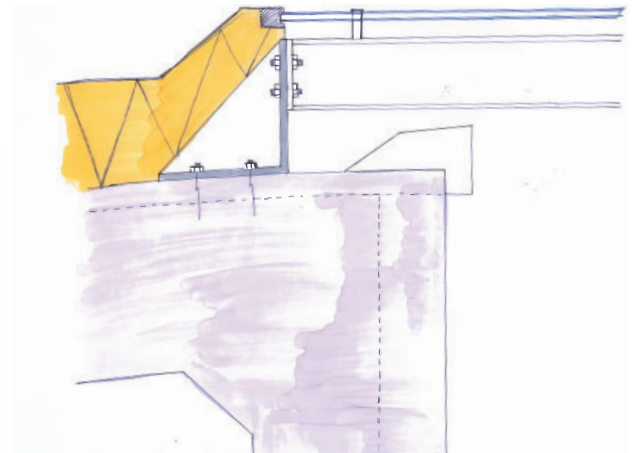
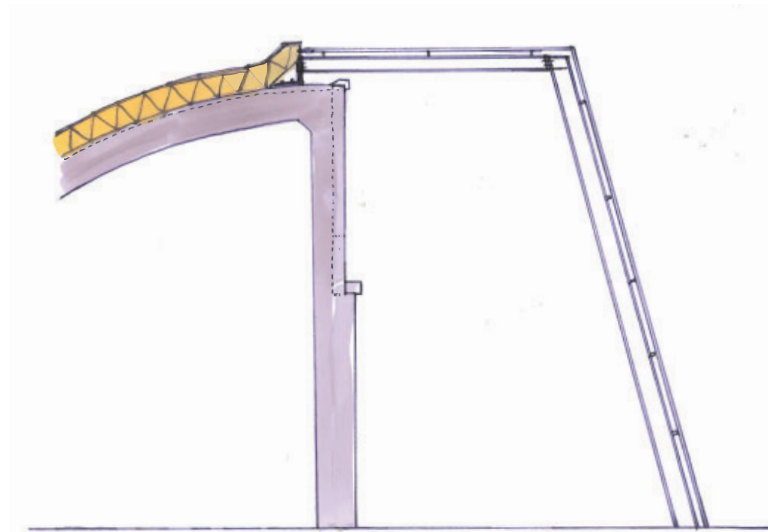


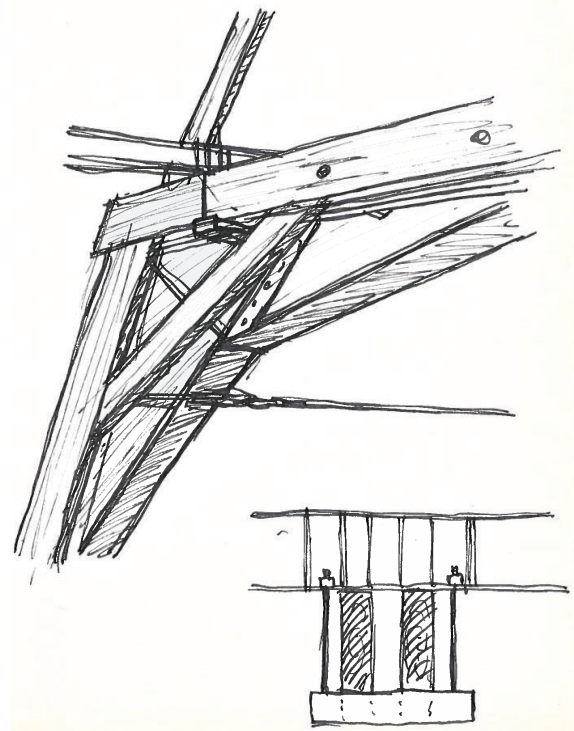
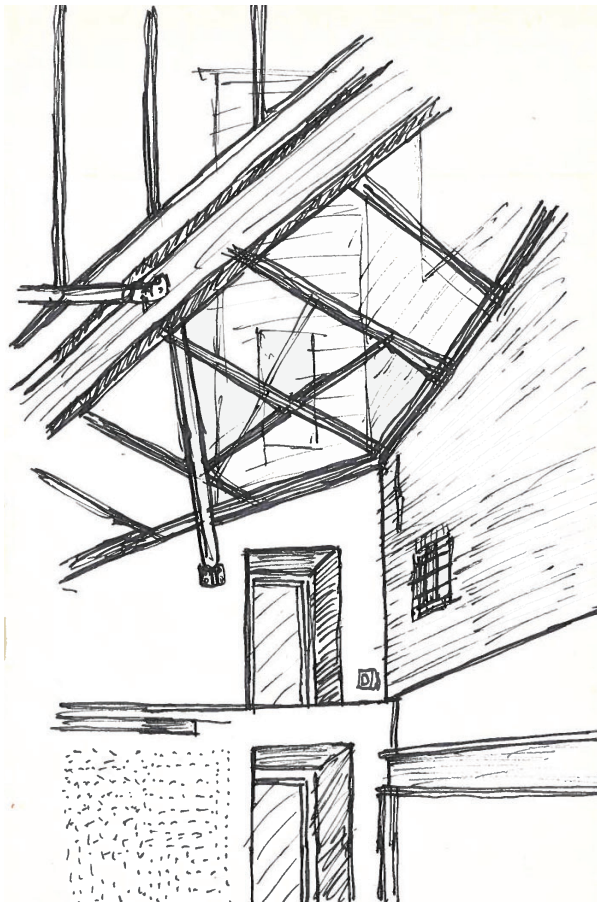
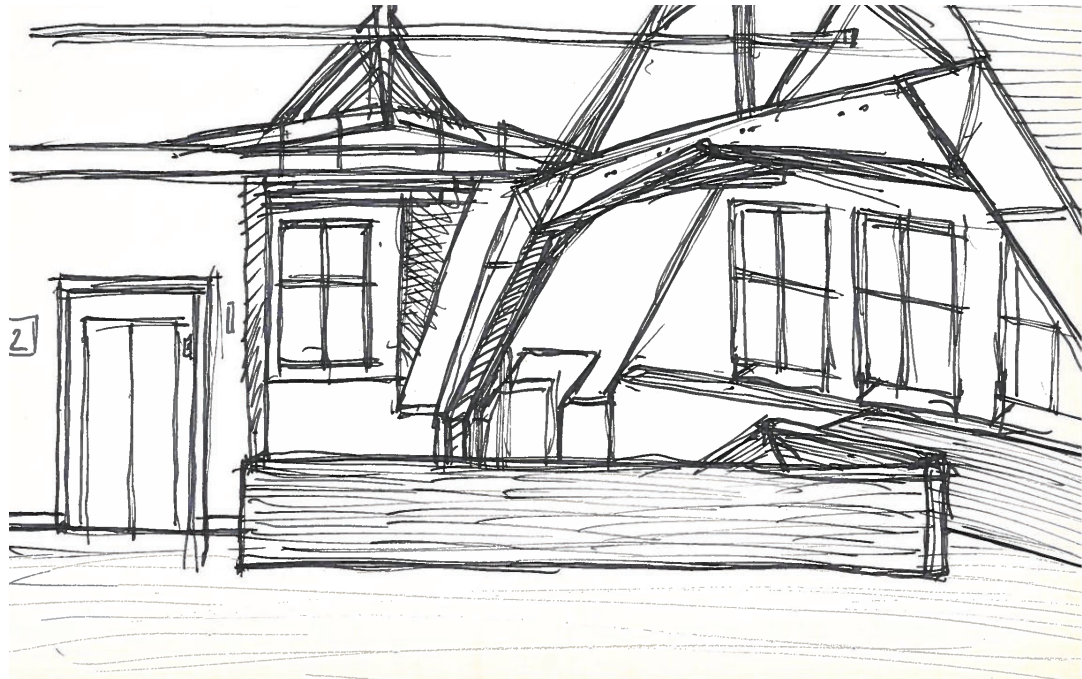




This detail inspired me while the new roof is not directly attached to the existing roofs edge. The new roof is set above and over the existing building. Although there is a connection, you cannot see the exact touching point. This detail shows the care with which the new and old were connected. No hard confrontation but a very well defined touching point is created.

As a start after the summer holiday a fragments workshop was hosted. By zooming into the design at scale level 1 to 50 and 1 to 5 the essence of the interventions were touched upon. This workshop taught me the importance of shifted between big and small scales during the entire process. I zoomed into the connection of the 5th segment of the Factory. Questions that popped up were: 'What material is this new segment' & 'Do I want a visible or invisible connection'? By zooming in the essence of the intervention was brought to my attention.

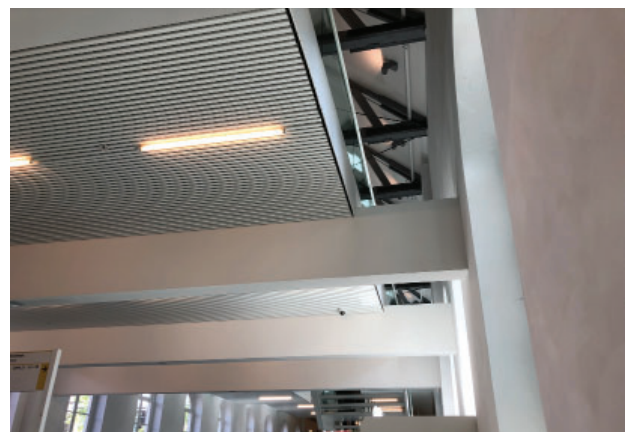
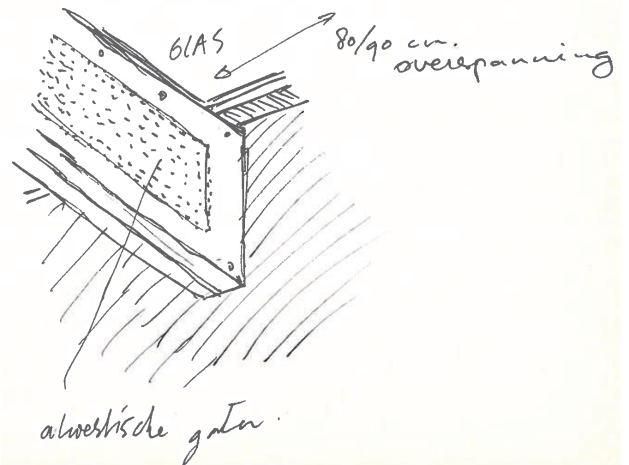
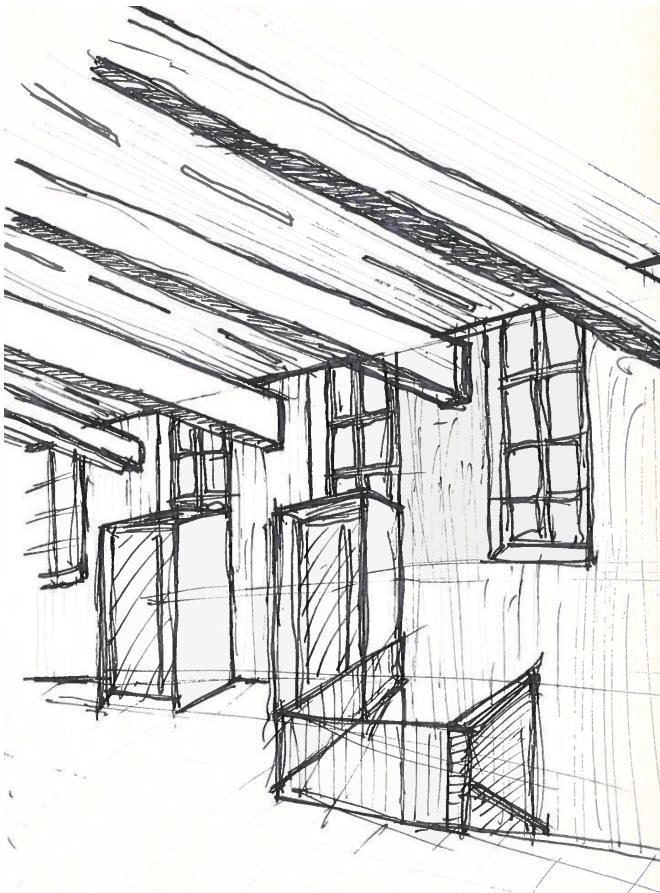
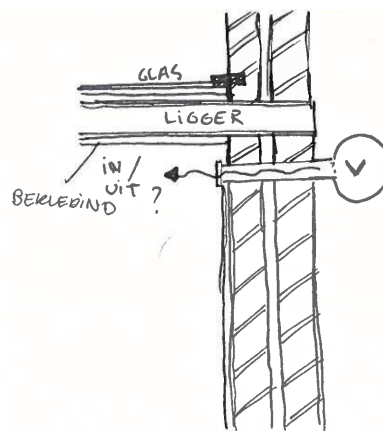


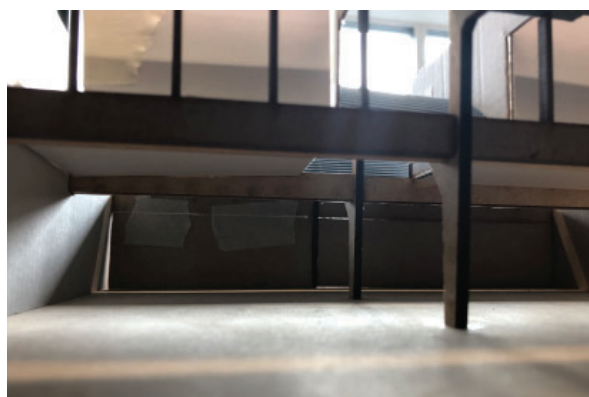
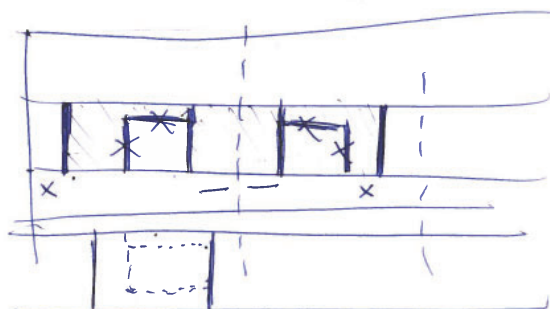
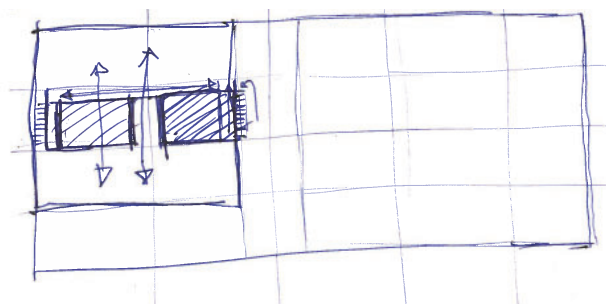


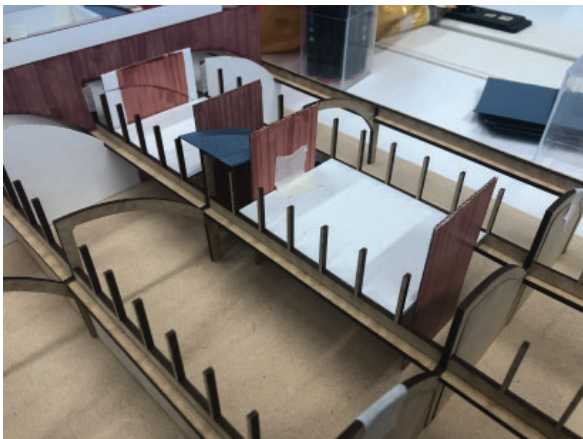
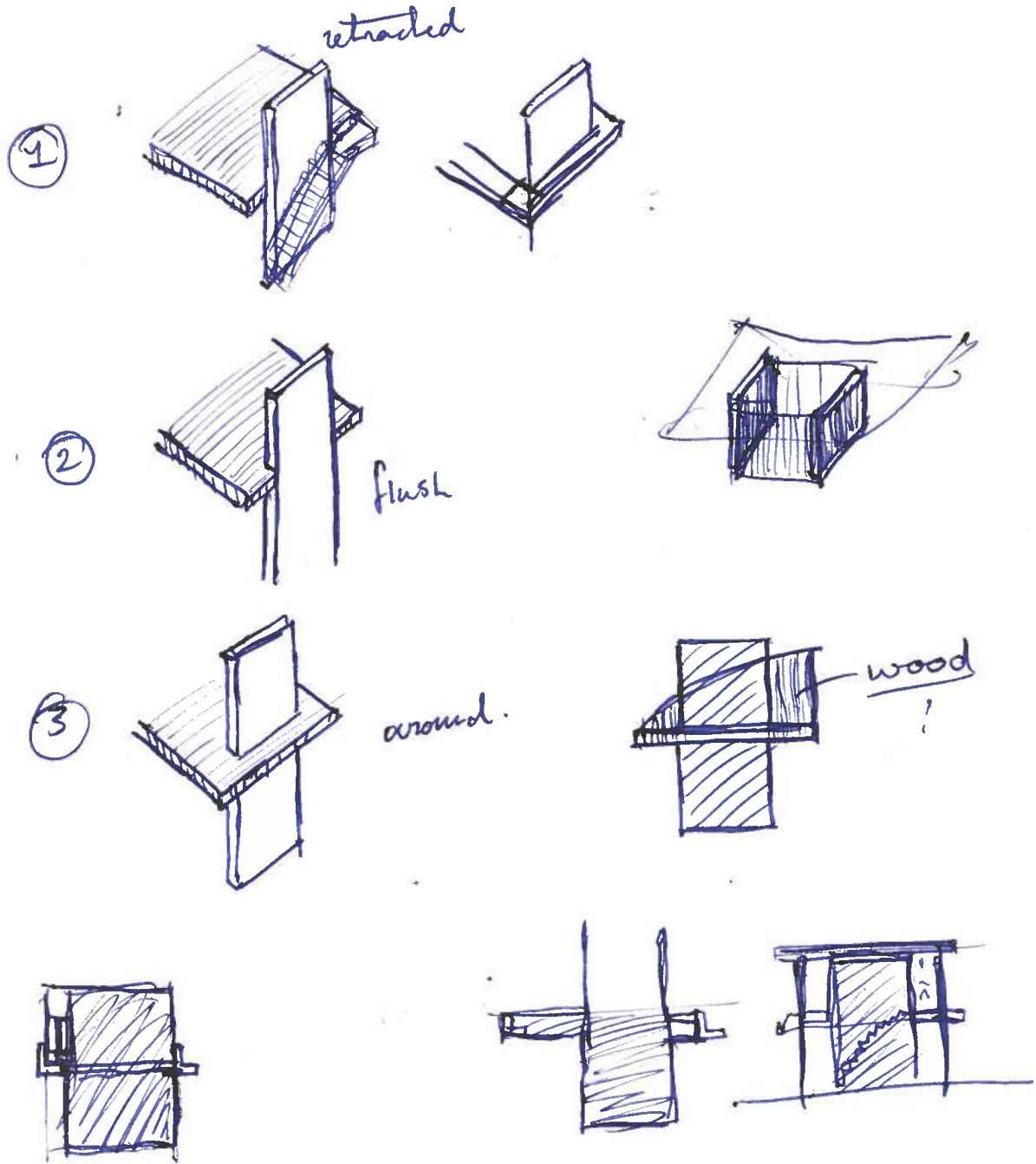
The excursion to the Janskerkhofcomplex showed me how interventions can be very clear. The newly added staircase, walls and extensions all show a contrast in material what's makes them very readable. This visit taught me that even large interventions can be made as long as the ensemble of old and new can be understood.

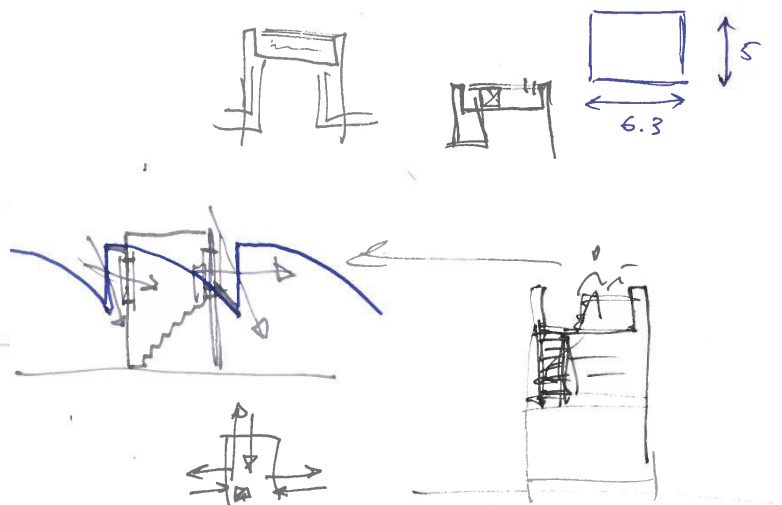
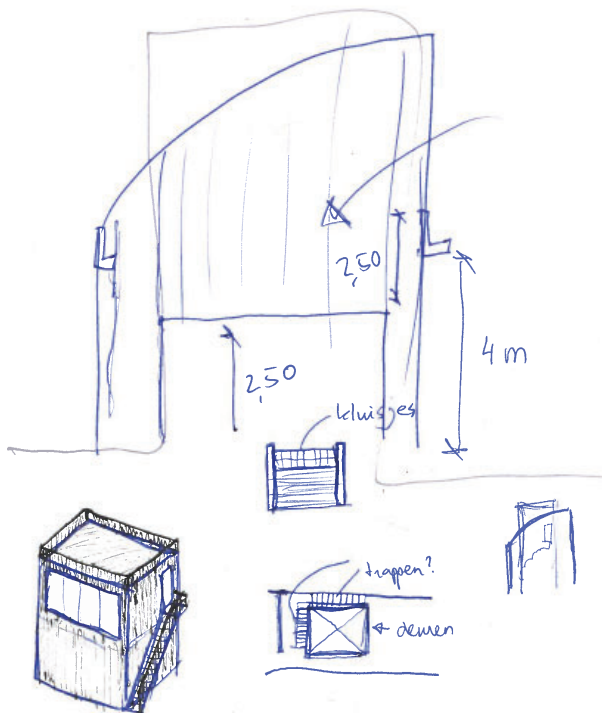
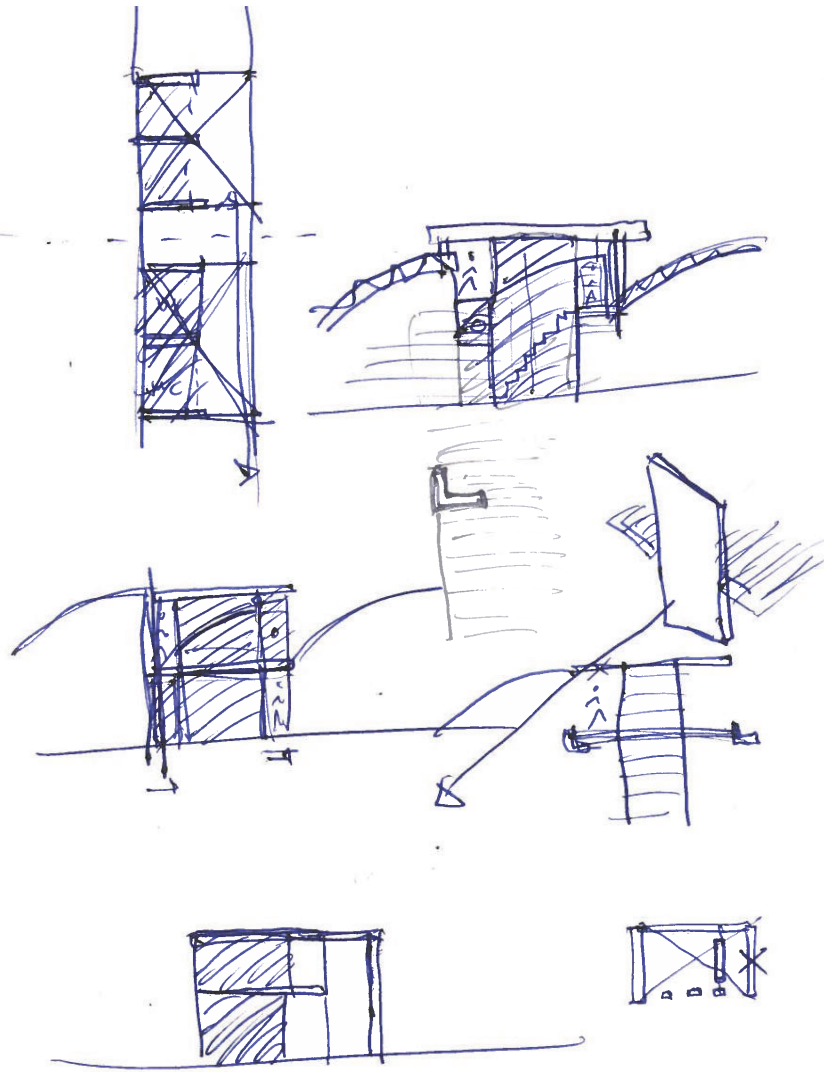


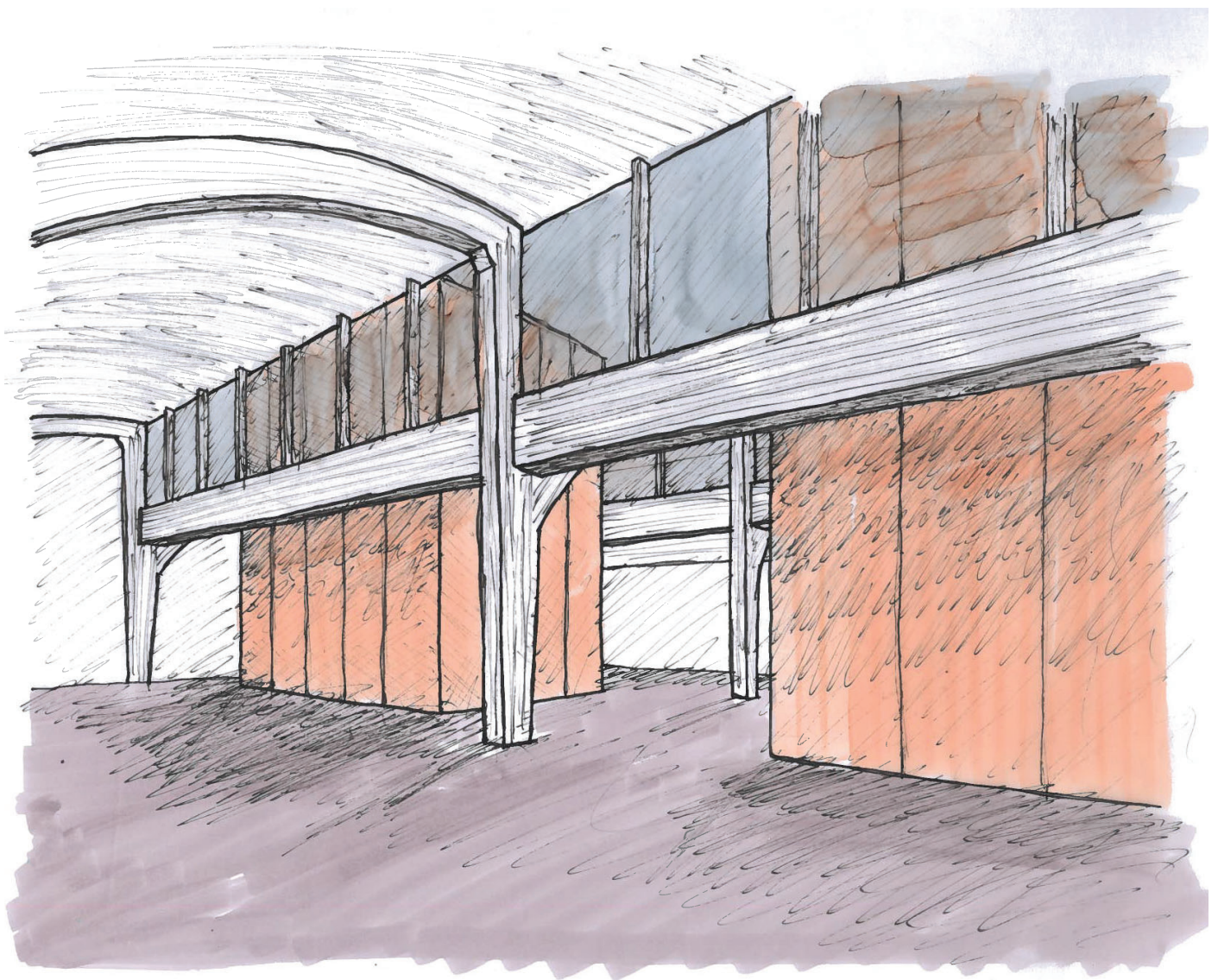
The excursion to the University Library gave a different approach than the transformation project of the Janskerkhofcomplex. At the library the distinction between old and new was not that visible at first glance. The old and the new are merged although at the smaller scale there were some very nice examples of clear connections between old and new. This visit taught me that the connection between old and new can be experienced on different scale levels.

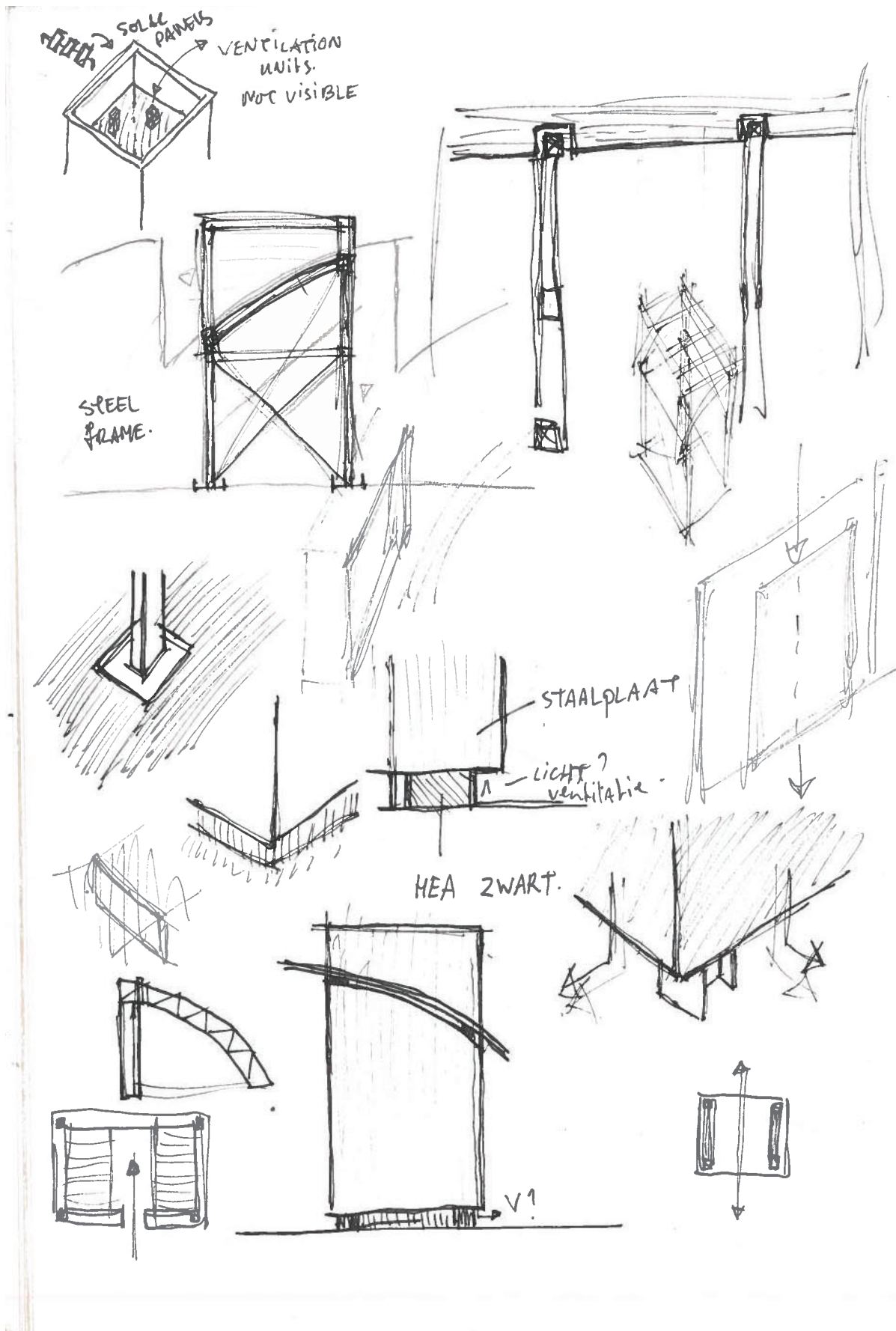


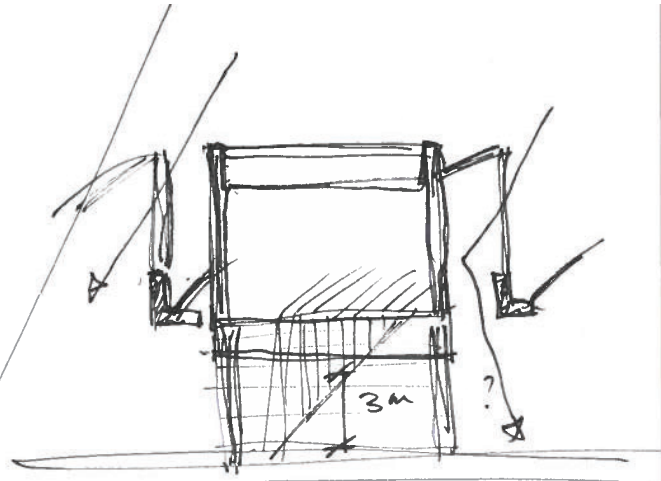
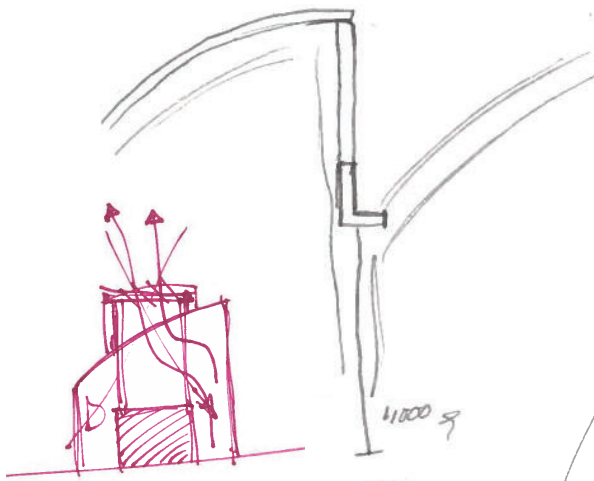
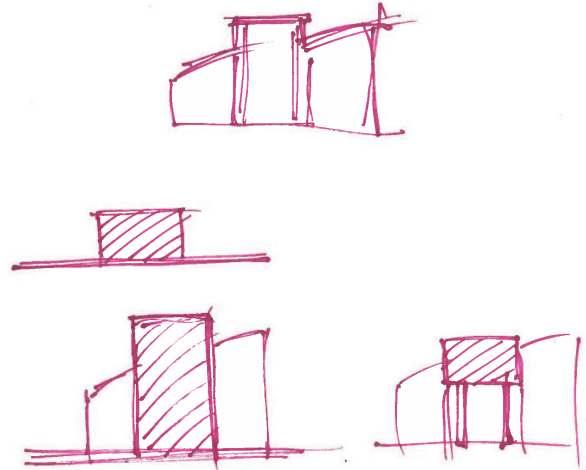
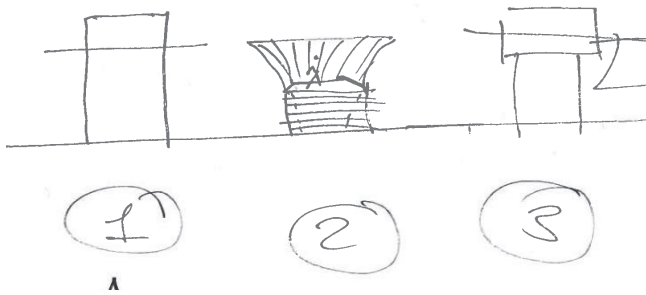






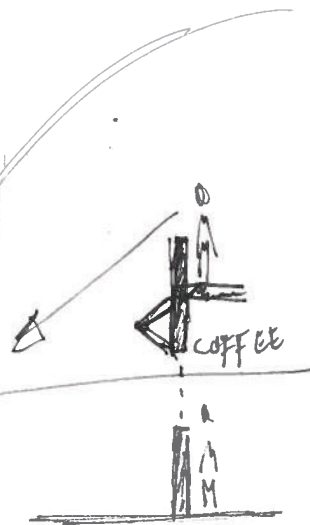
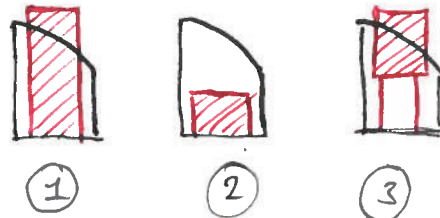




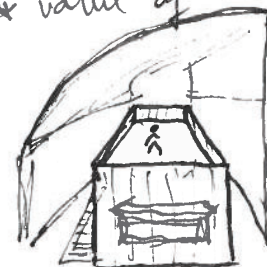


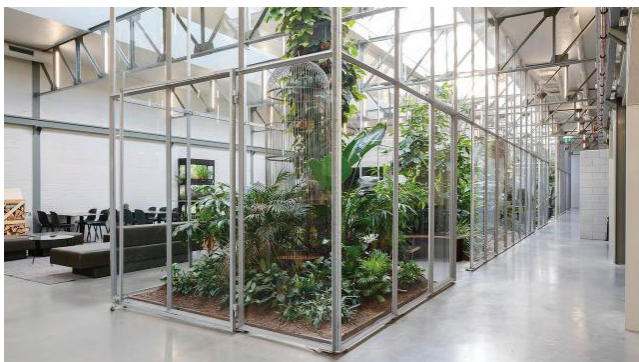
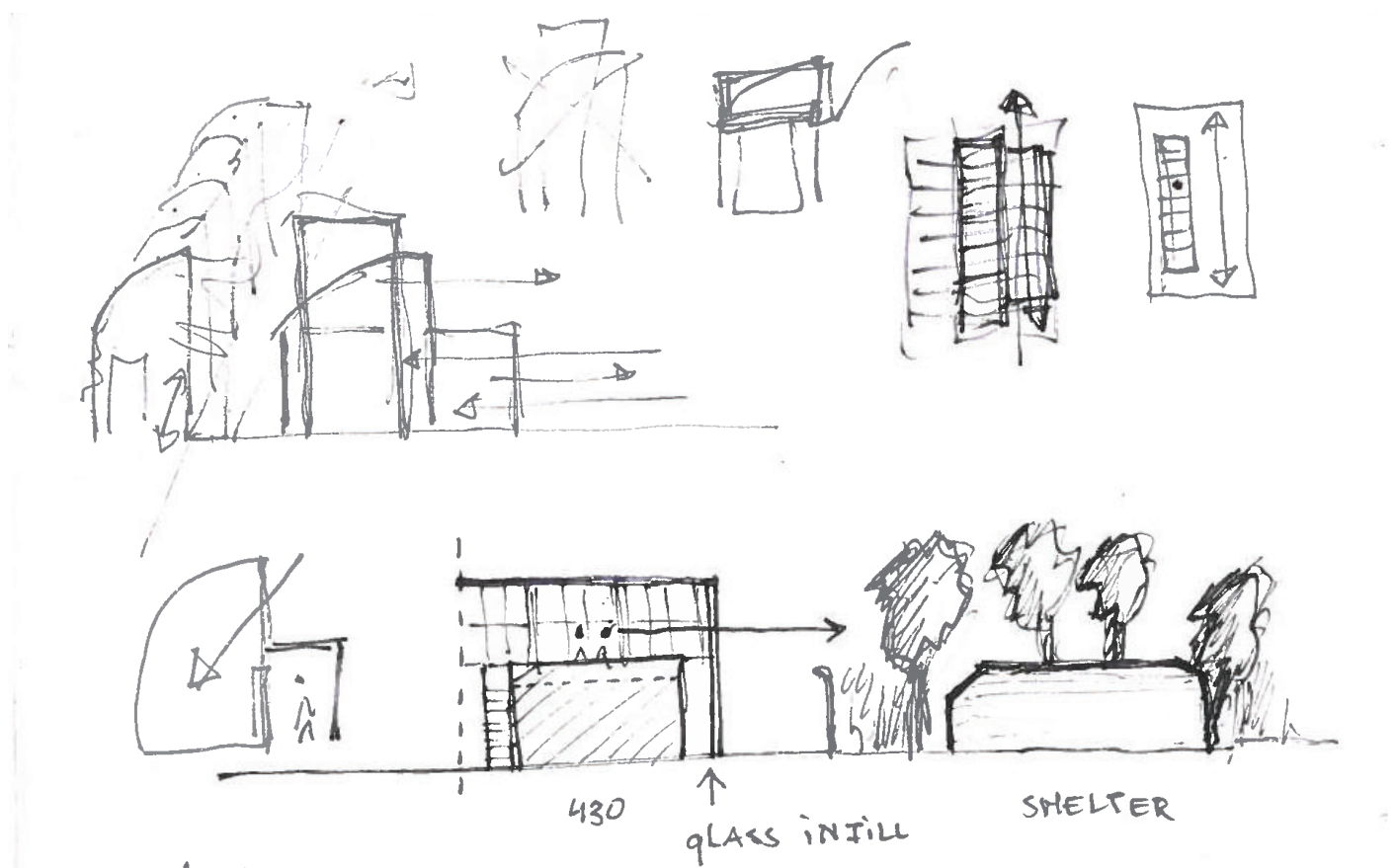
WATER? NORTH SEA CANAL?

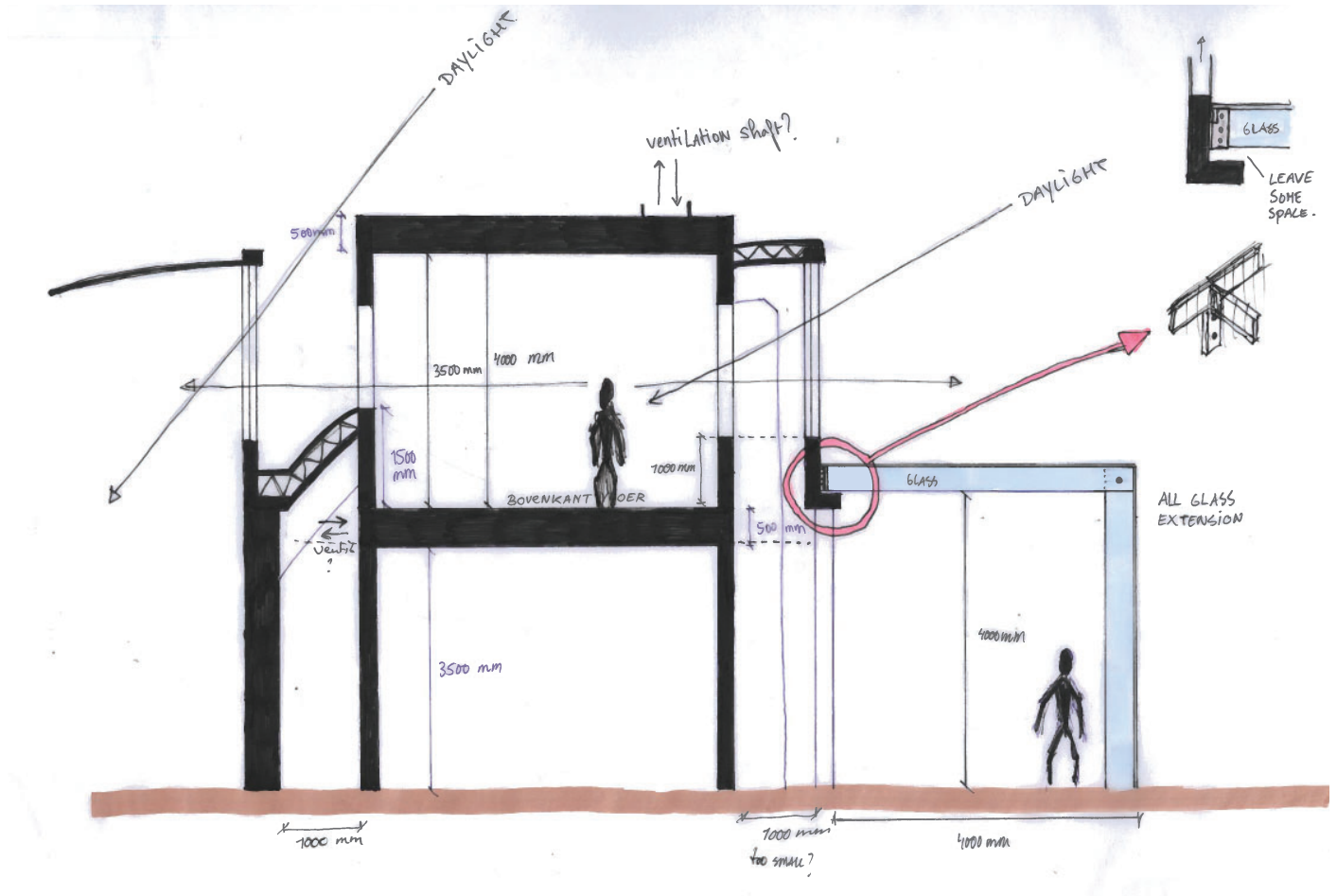
- OFF GRID
- COLUMNS FREE
- STEEL STRUCTURE
- STEEL CLADDING?

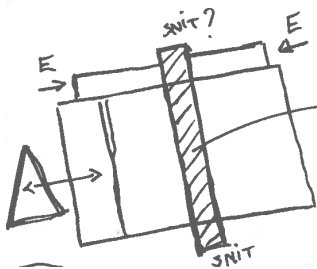
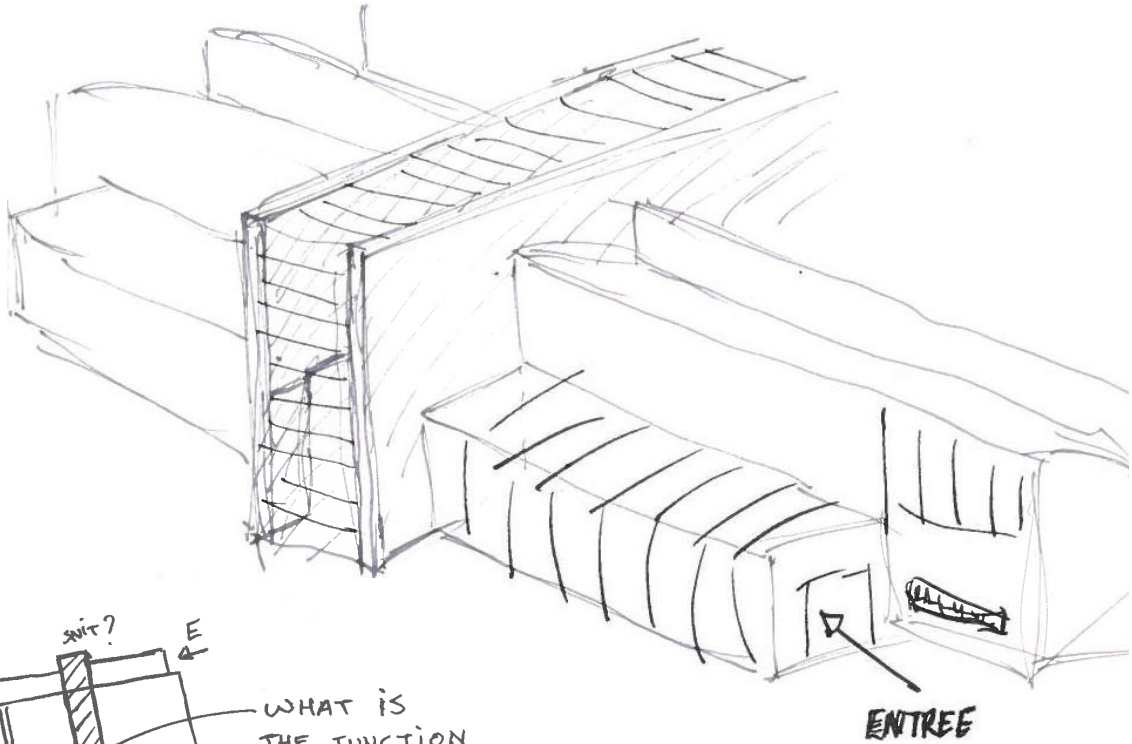


- * what are the values?
- * what is a new layer?
- * value of the typology

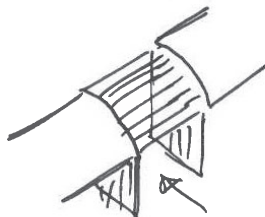
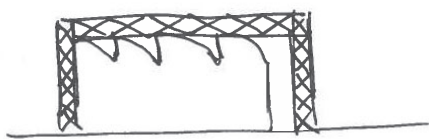
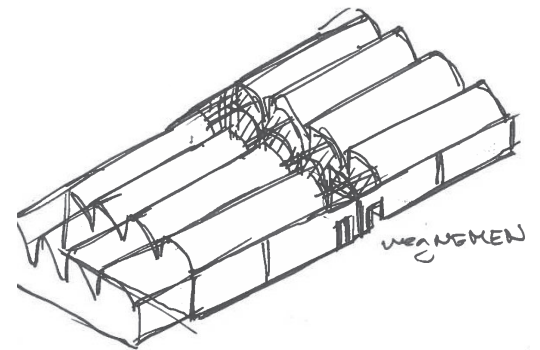
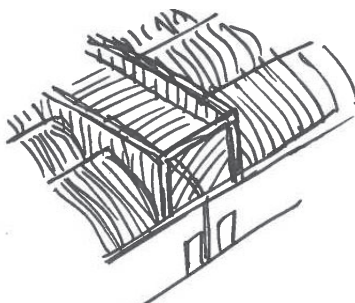
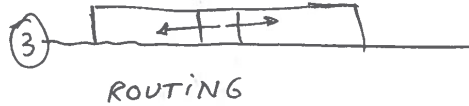
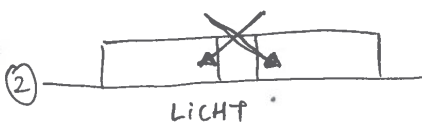
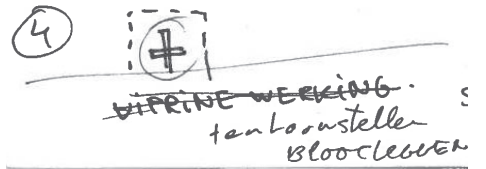
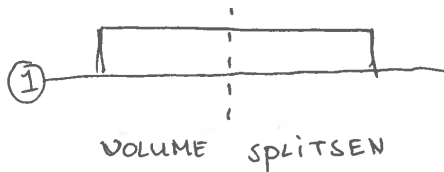


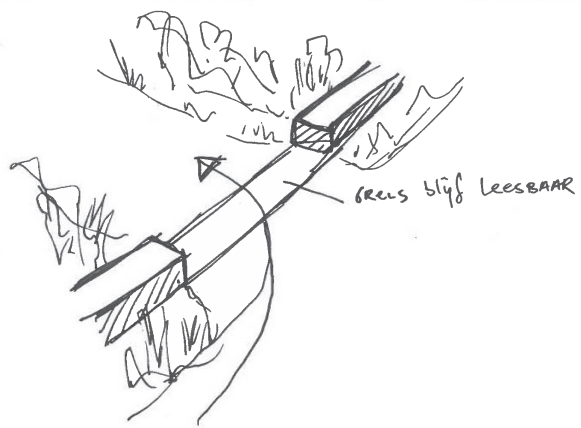
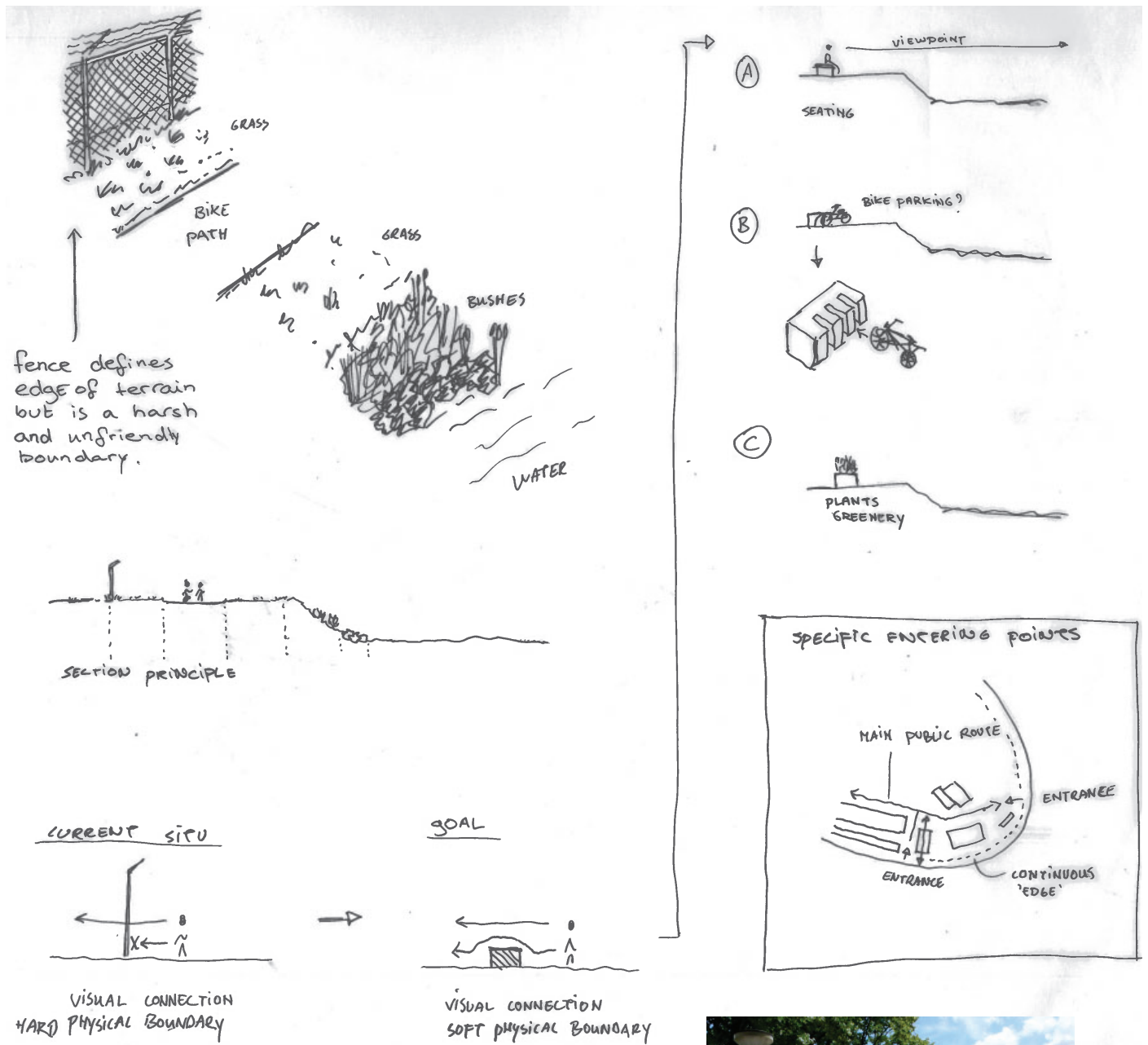


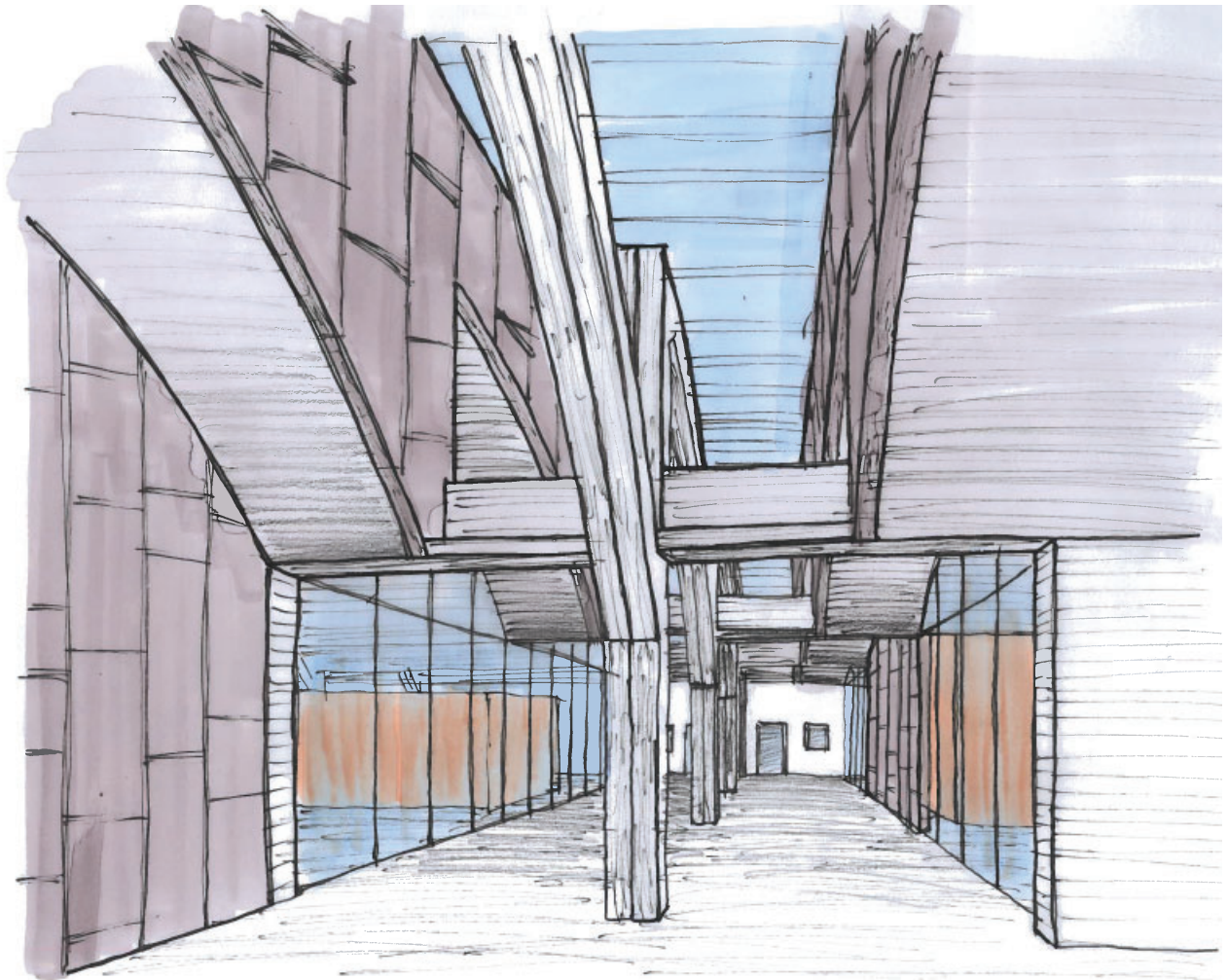




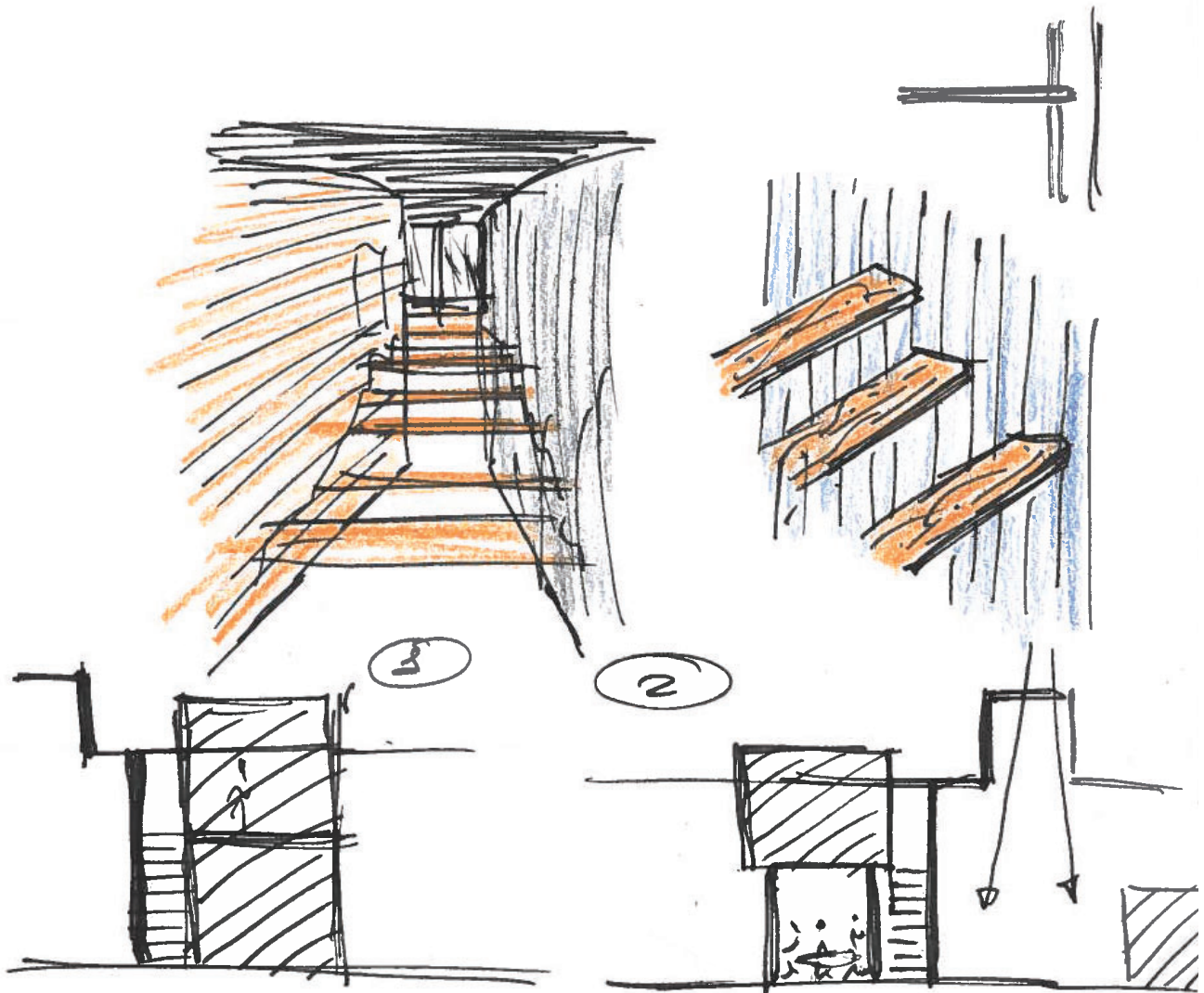
WHAT IS THE FUNCTION OF THIS???



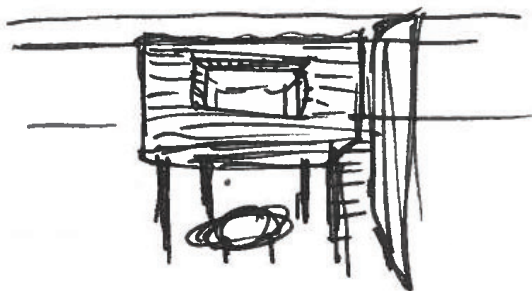




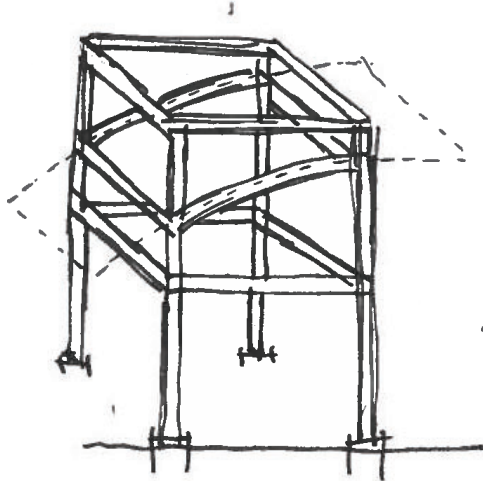




± CREATE LOGIC → BIG GESTURES
2 CREATE DIFFERENTIATION → REFINED SPACES



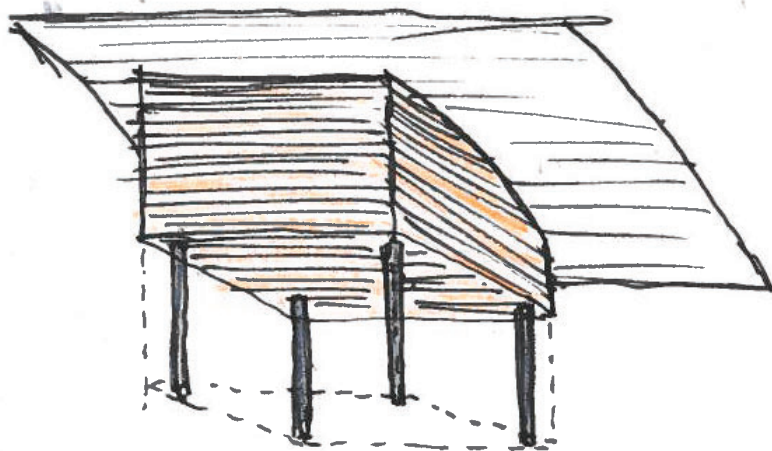
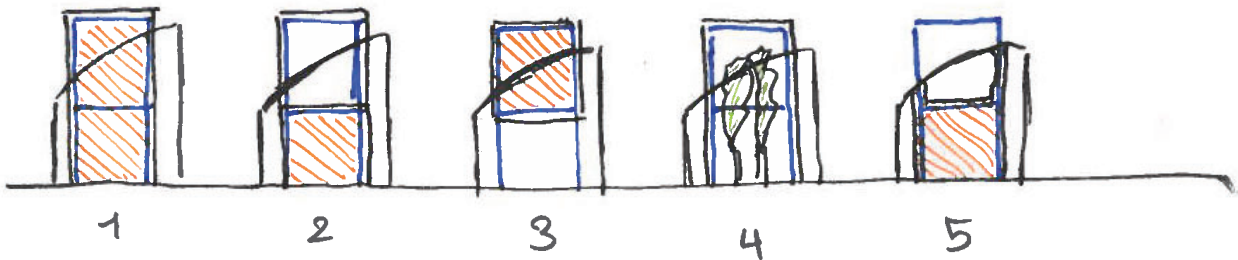
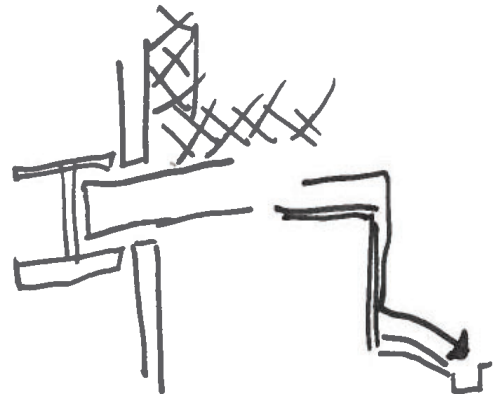
BASIC FRAME



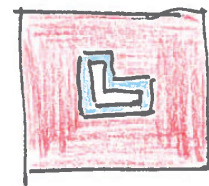
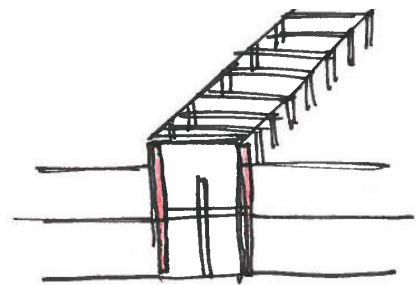
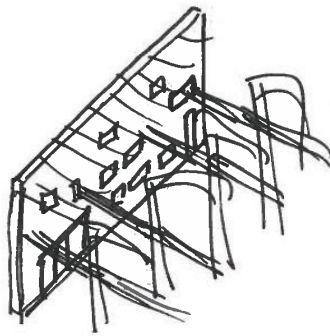
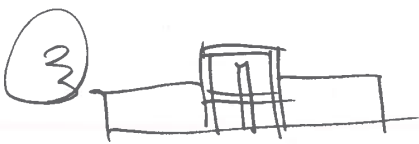
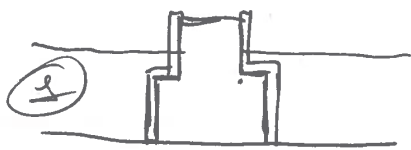
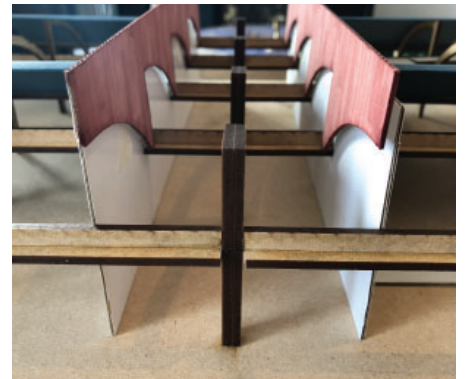
BLACK HEA

FUNCTION

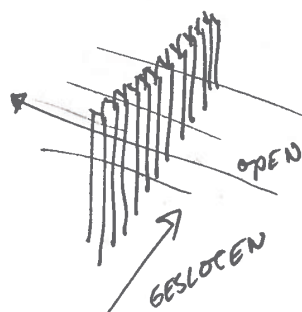
- ACOUSTIC
- ENERGY
- VENTILATION
- TOILETS
- 'SPECIAL' PROGRAMME
- SPATIAL DIFFERENTIATION

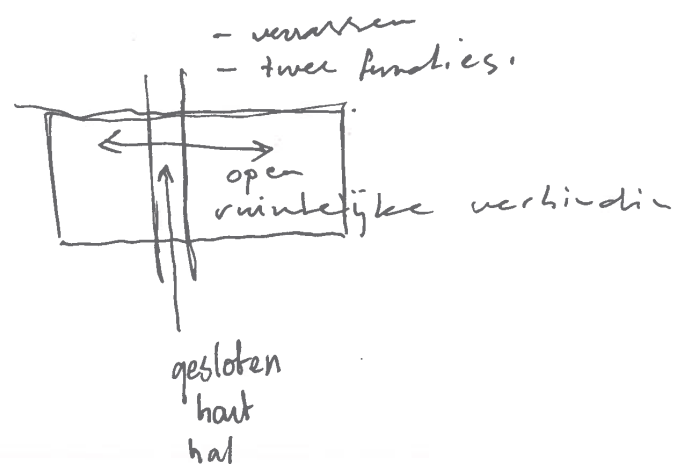
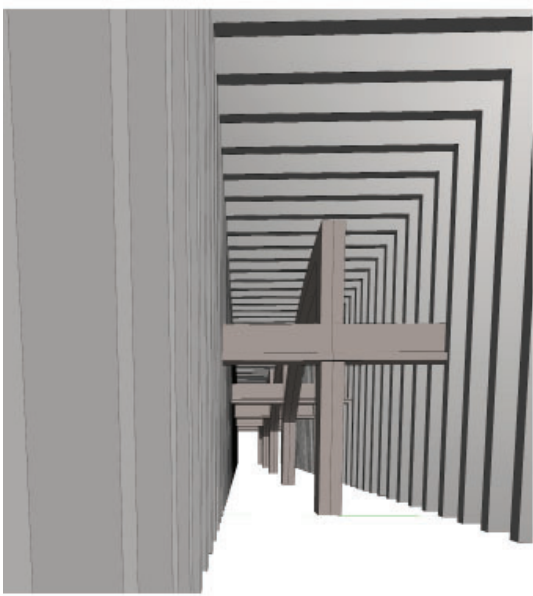
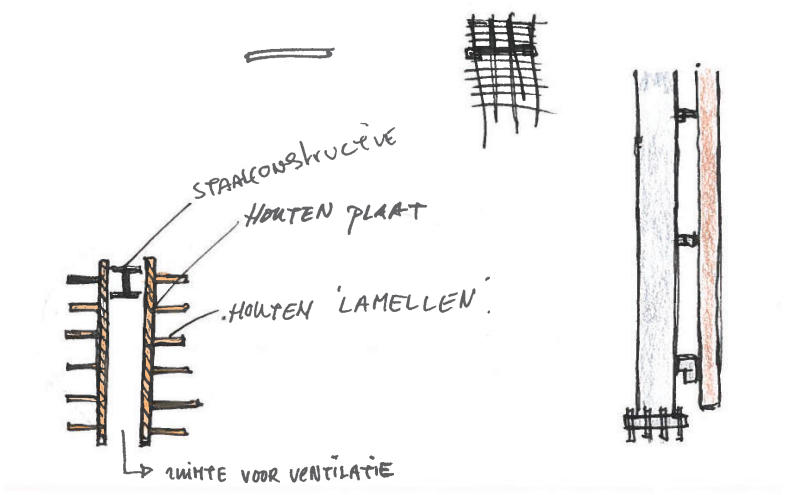
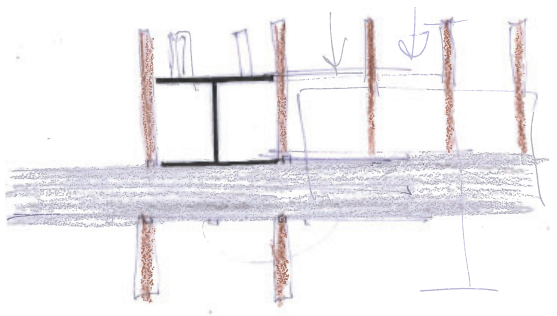
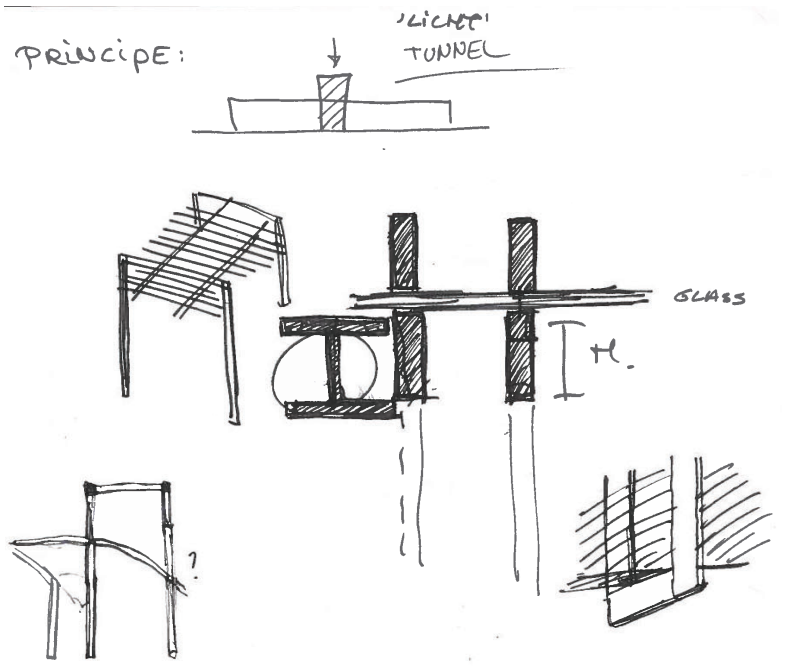
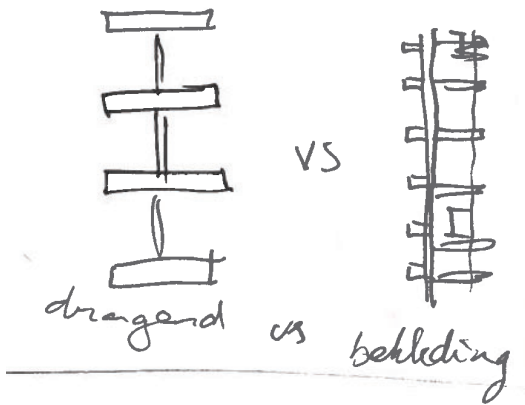


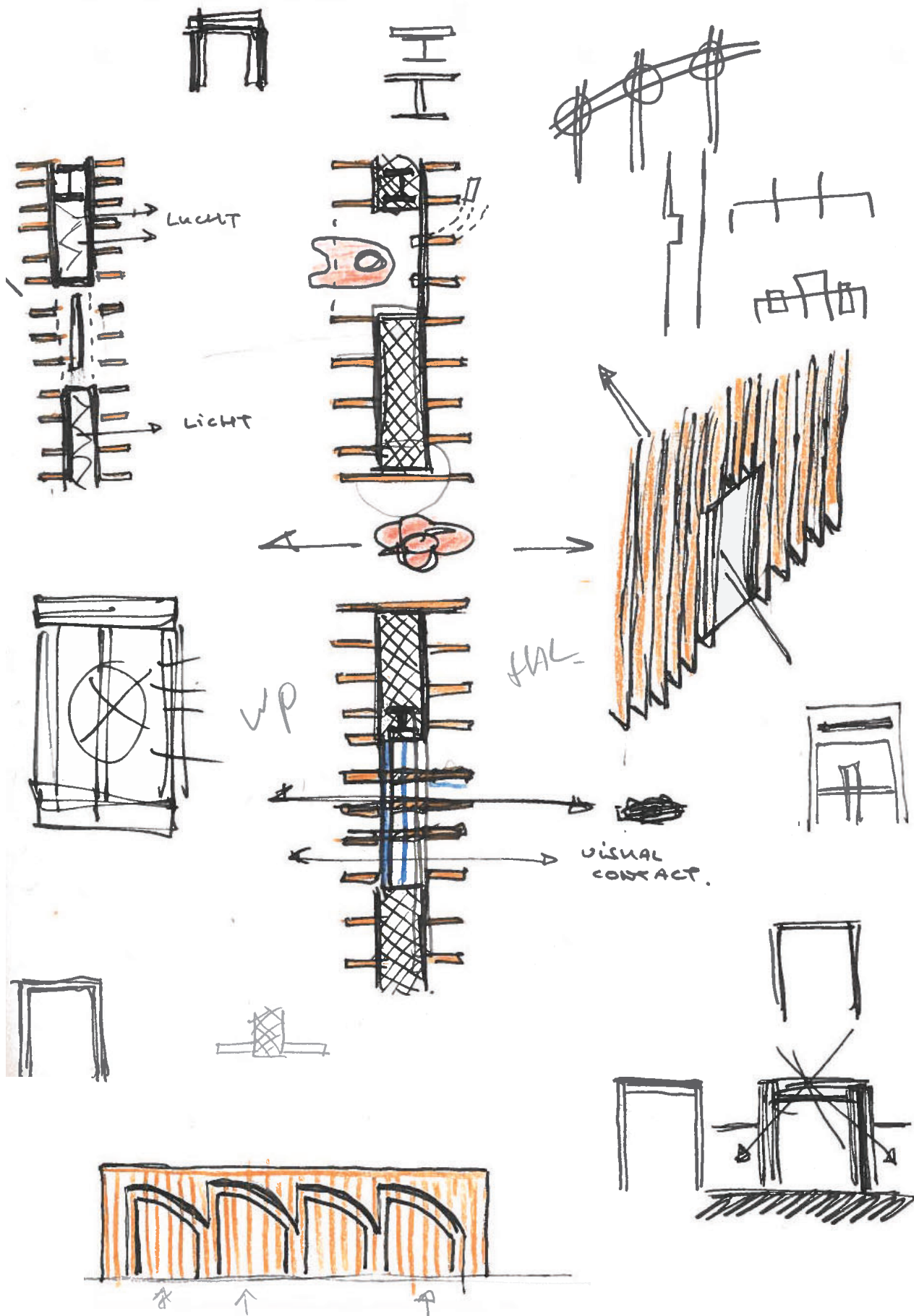
Bentun crownel
de pond.
Lockwise
textiel museum.

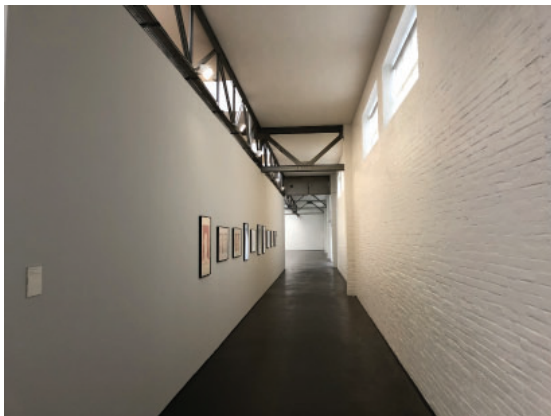
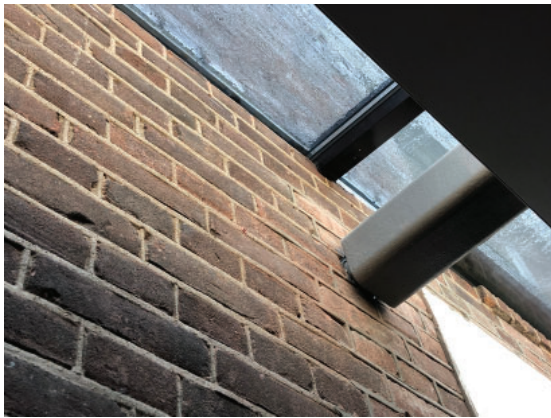
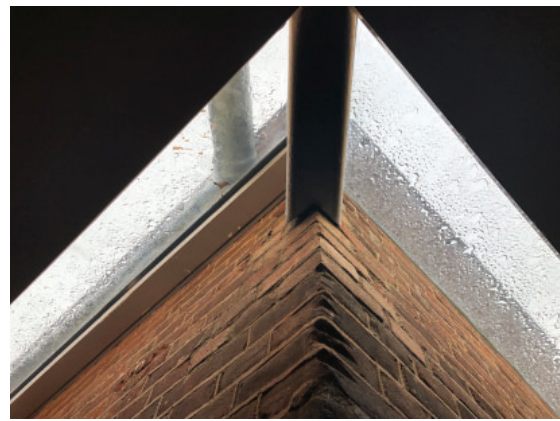
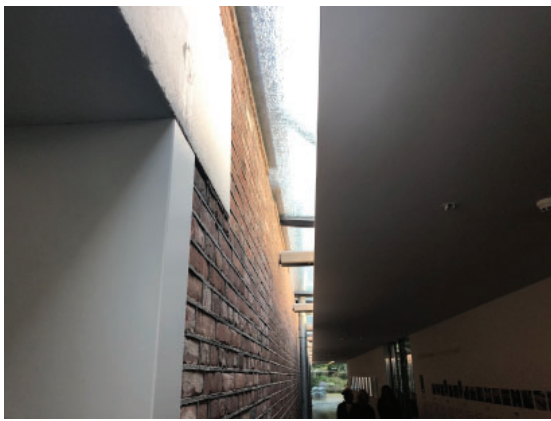


* DETAIL SNIJDEN SCHILLEN
* VERFIJNEN SNEDE

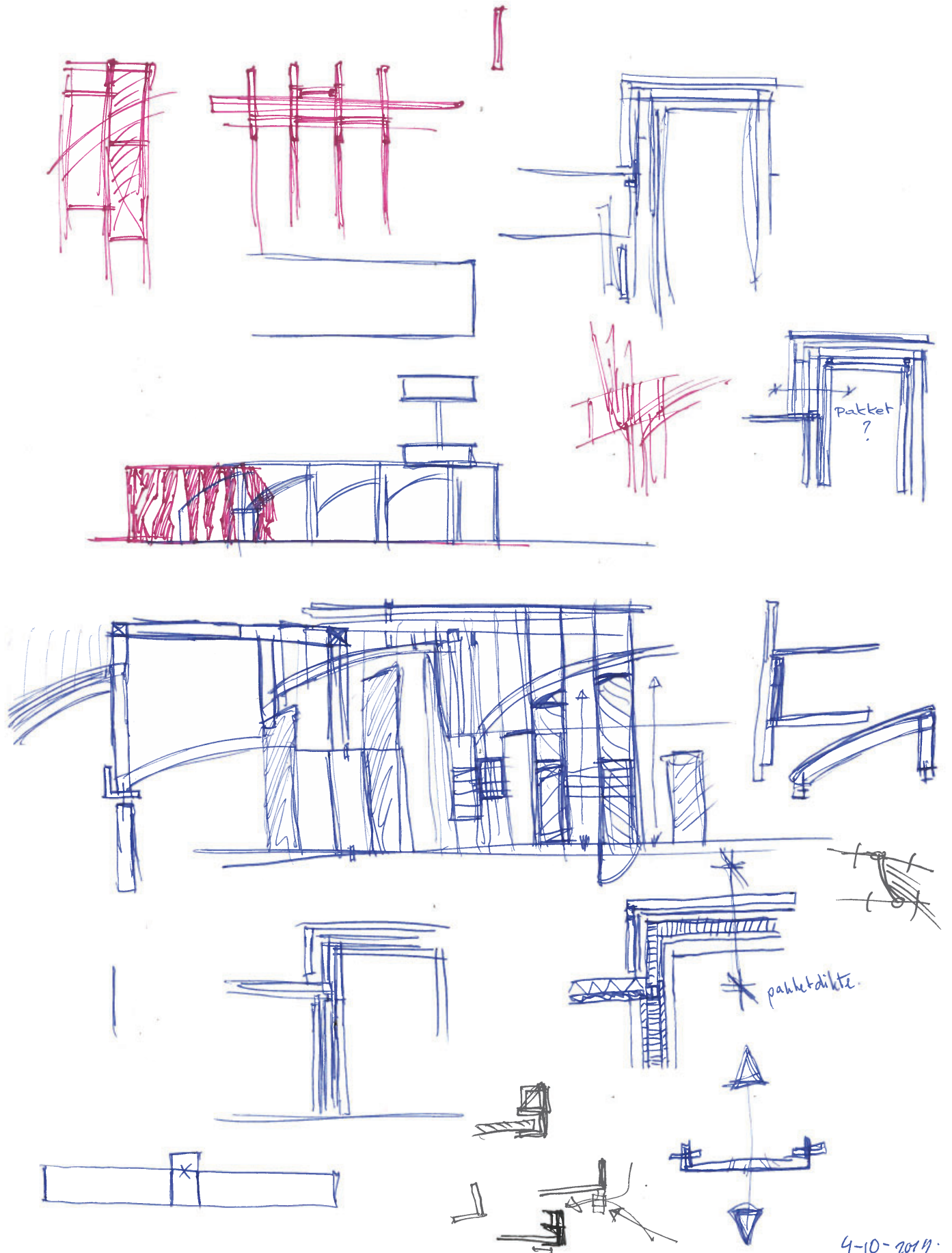


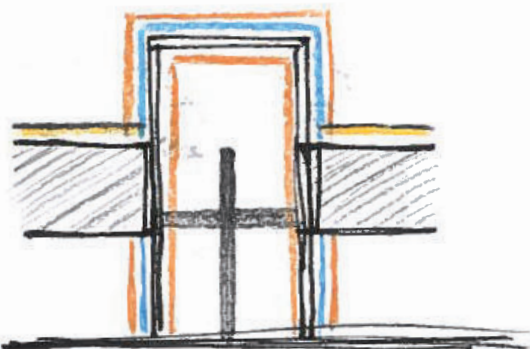
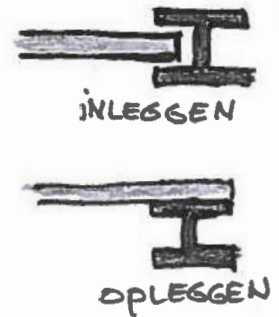
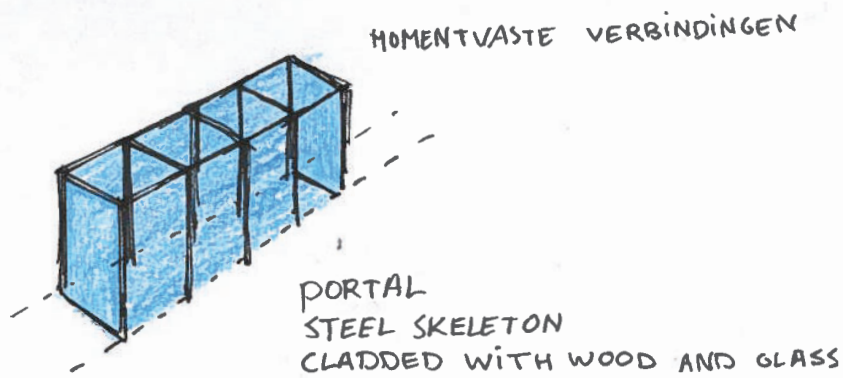
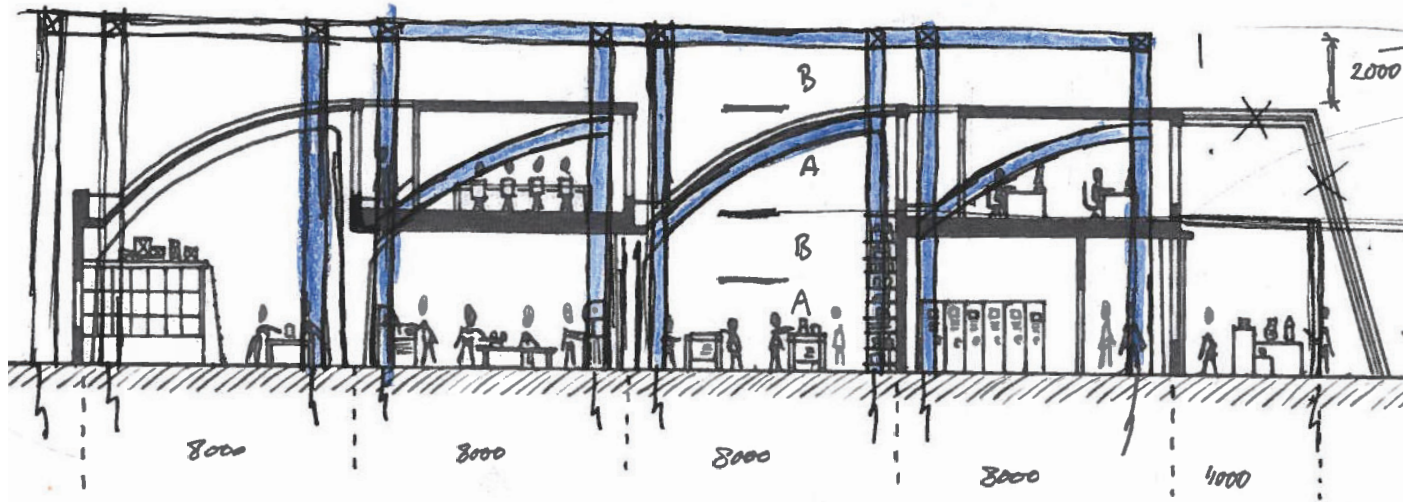


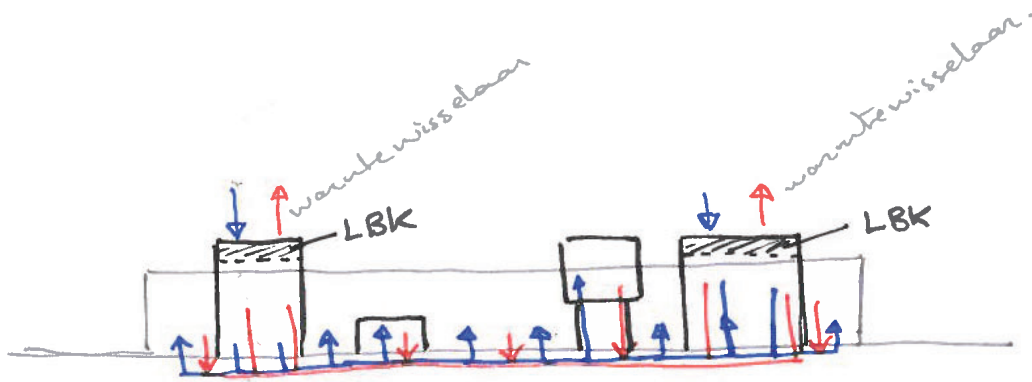




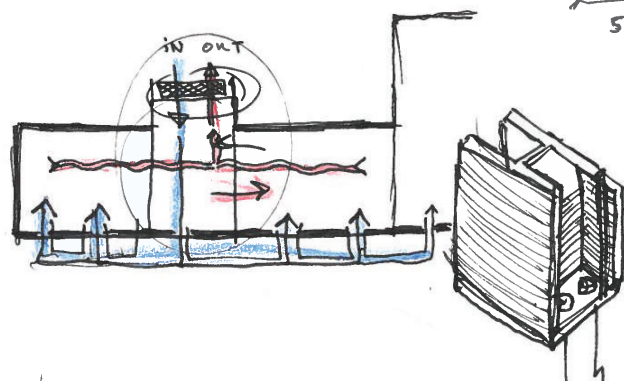
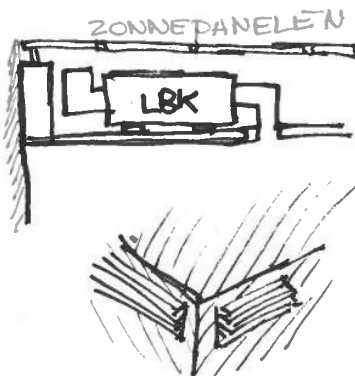
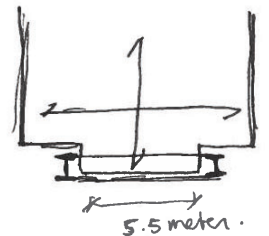
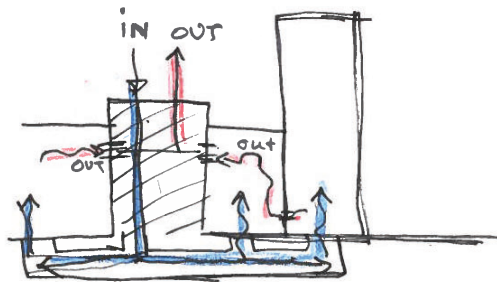
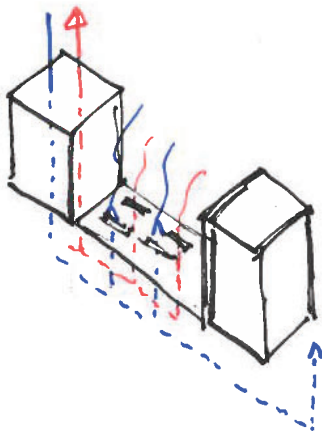
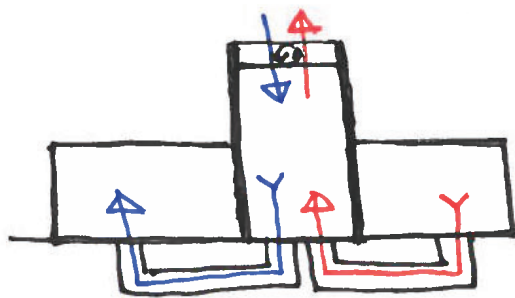
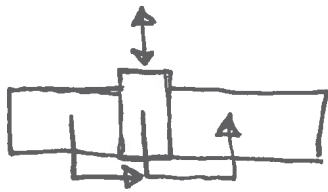


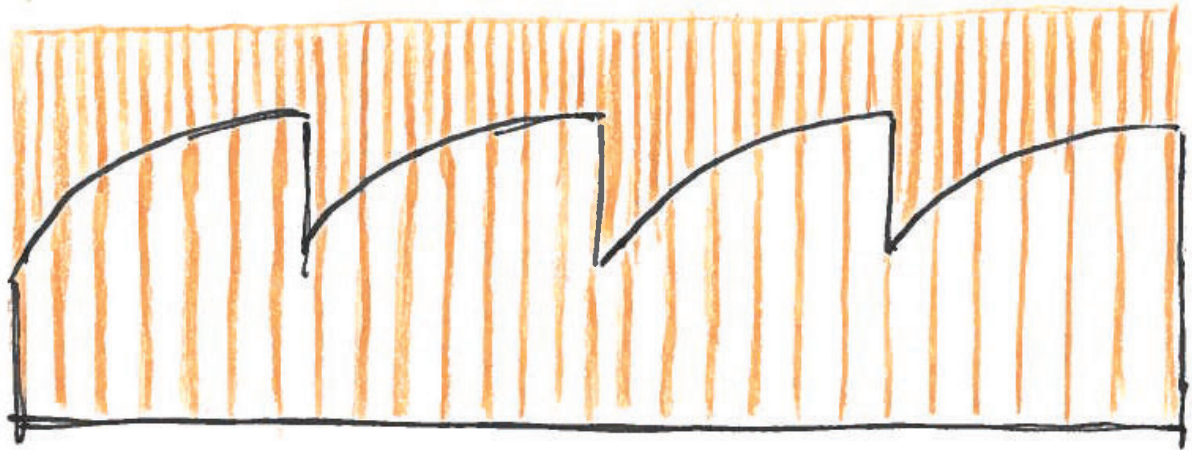
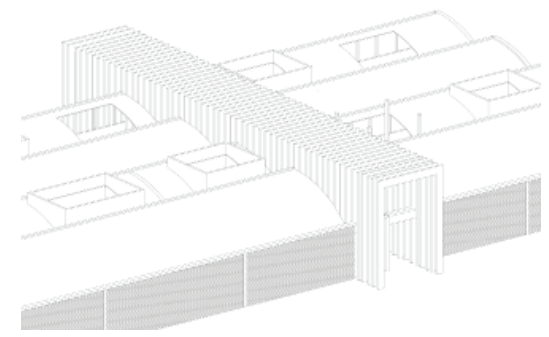
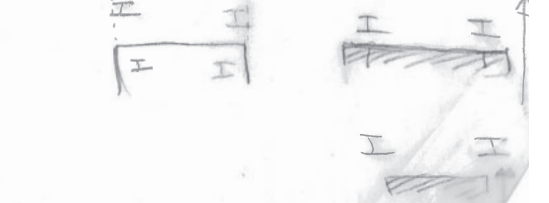
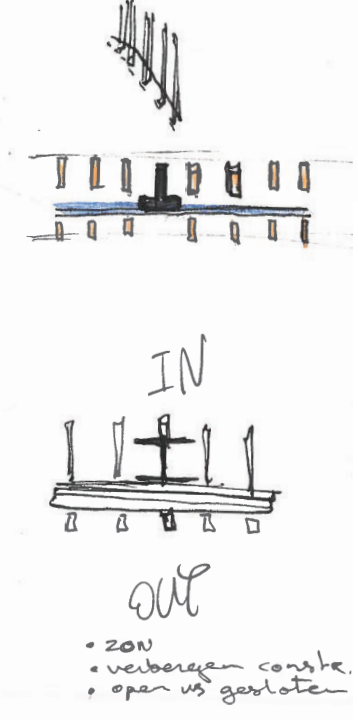
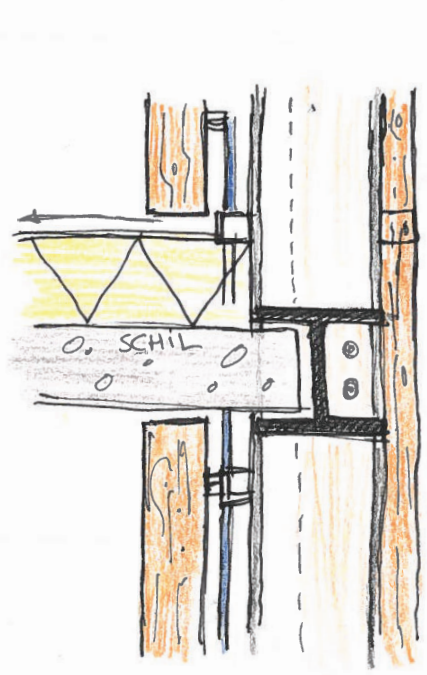
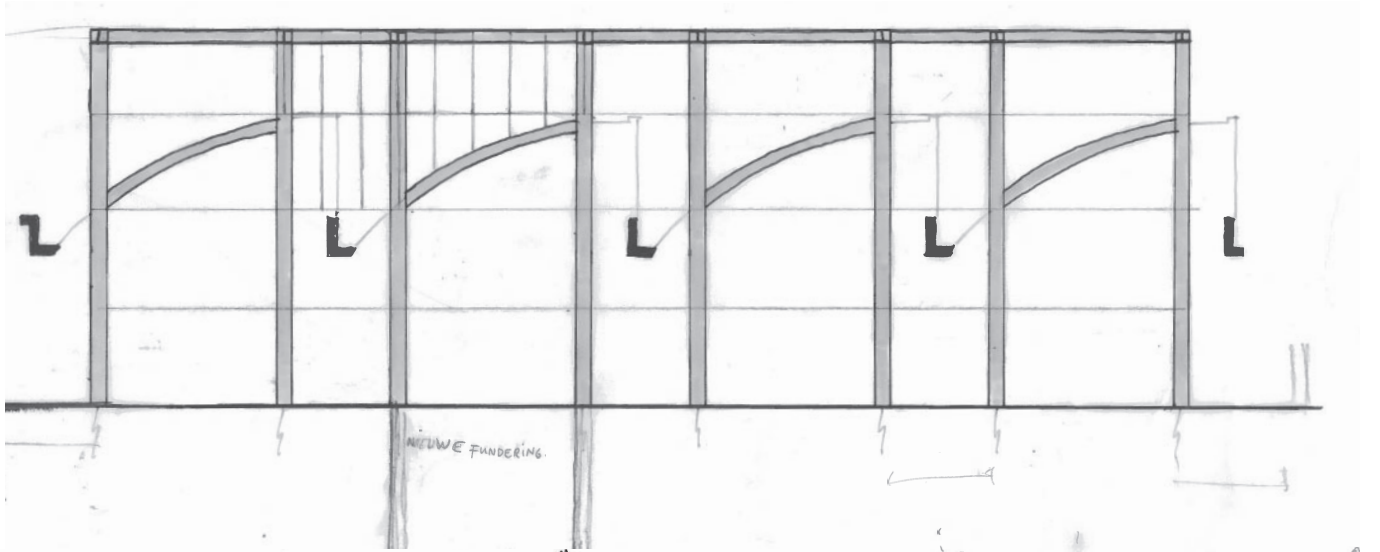




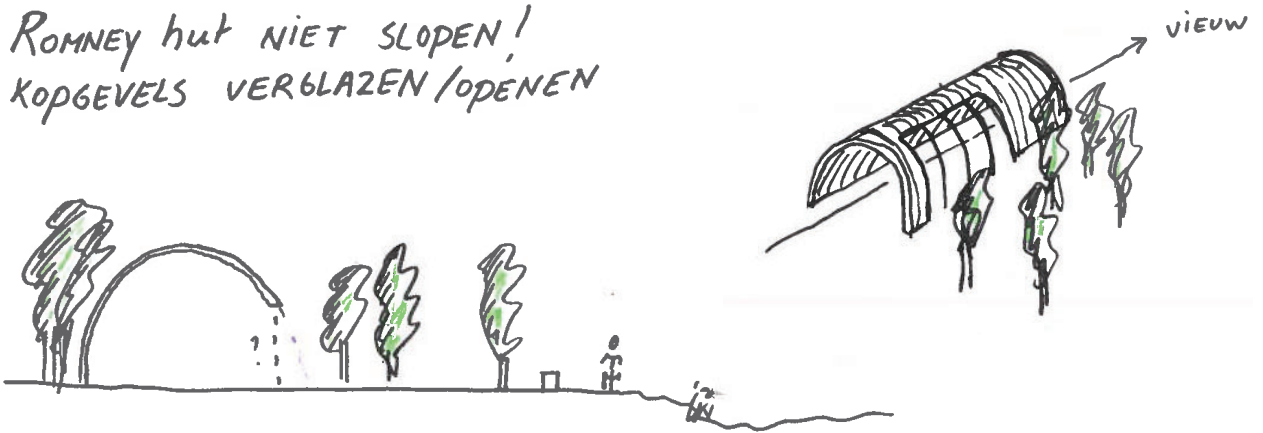


VENTILATION PRINCIPLE:

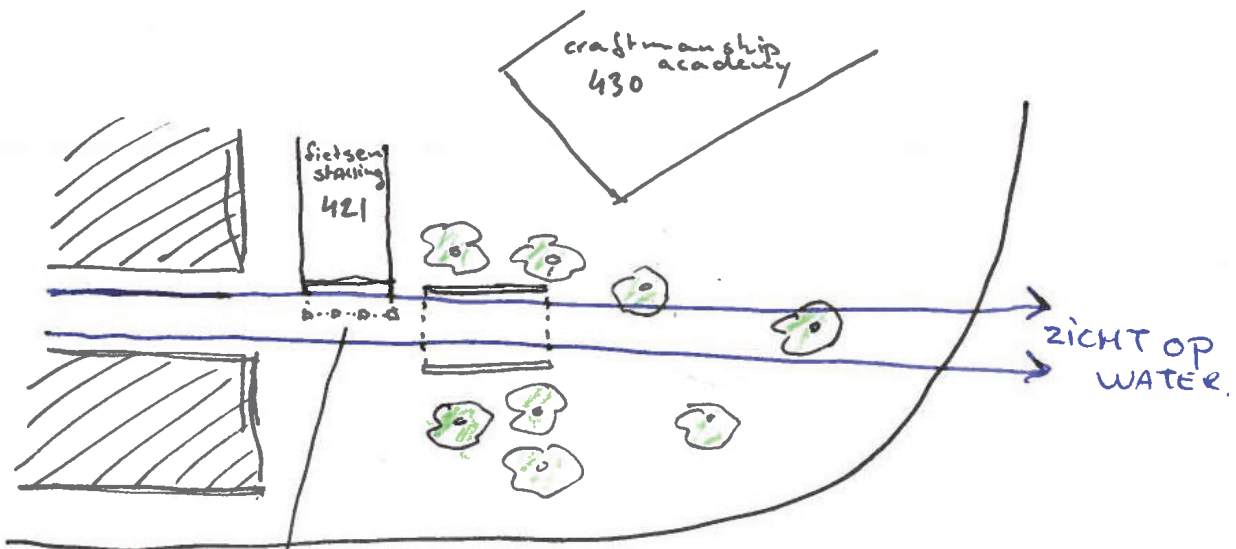




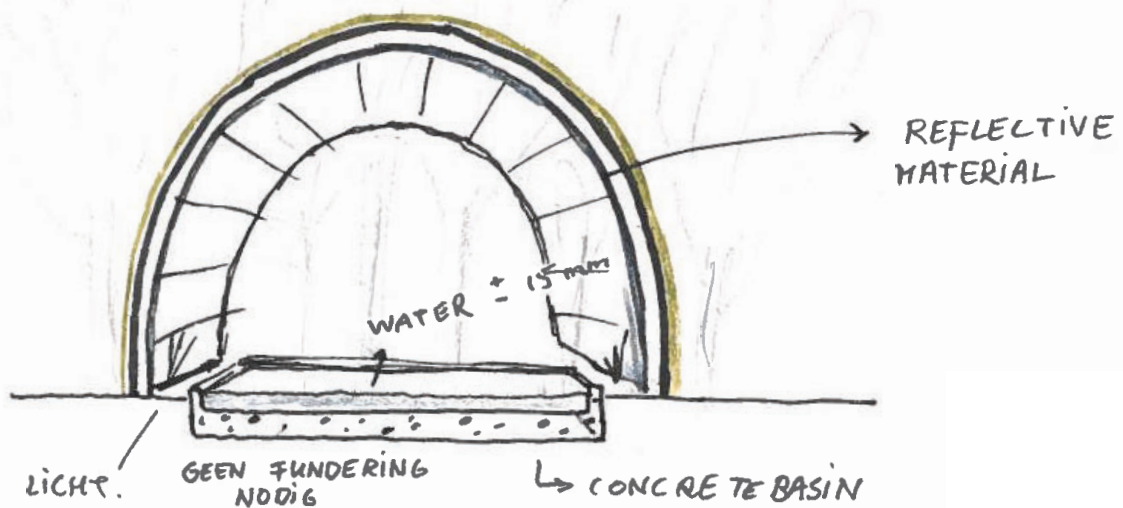
ROMNEY hut NIET SLOPEN!
KOPGEVELS VERGLAZEN / OPENEN

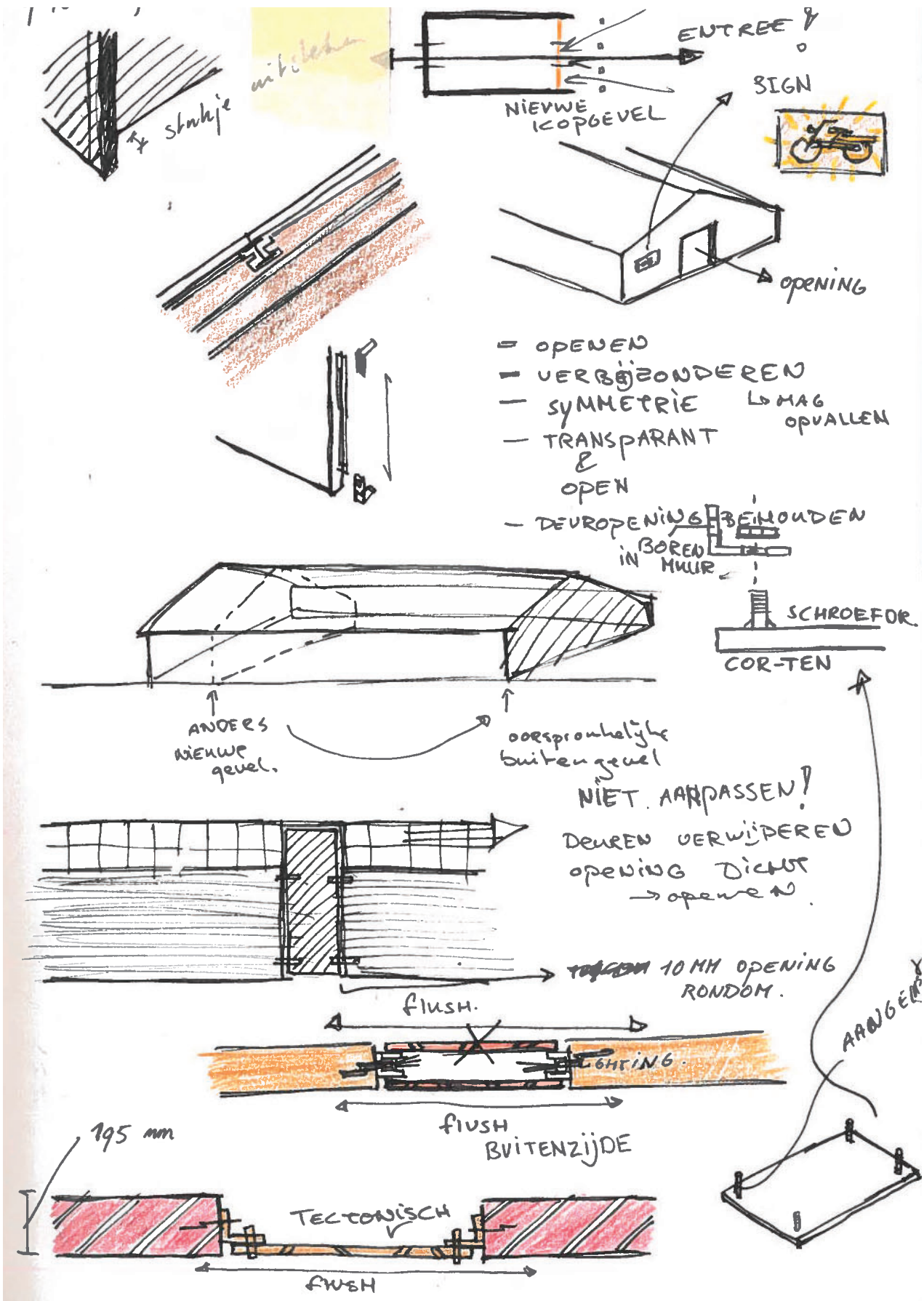


FUNCTION WITHOUT CLIMATIC DEMANDS
RELATION WITH THE WASH HOUSE



ROMNEY → PERMANENT ART INSTALLATION





①



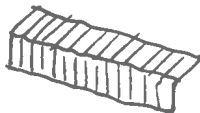
'BLOKKEN'
 maken het gebouw weer leefbaar/bruikbaar.
 • klimaat
 • akoestiek
 • specifieke ruimtes

②

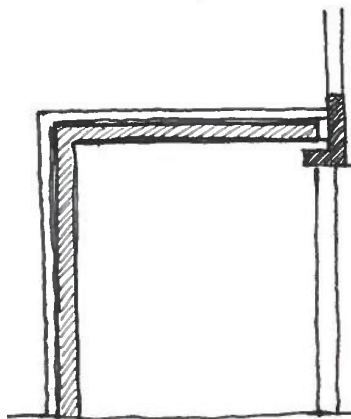


'LICHTGANG'
 markeert het gebouw, intern & extern
 & geeft 'licht' in het grote volume

③

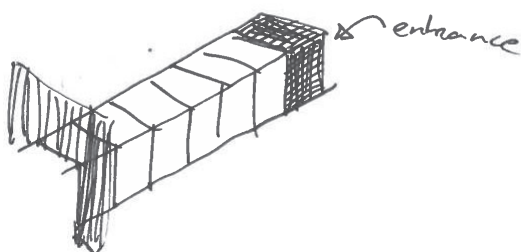
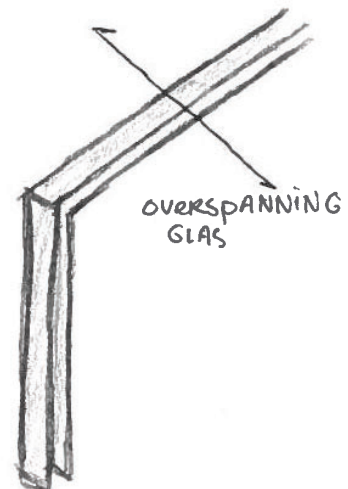


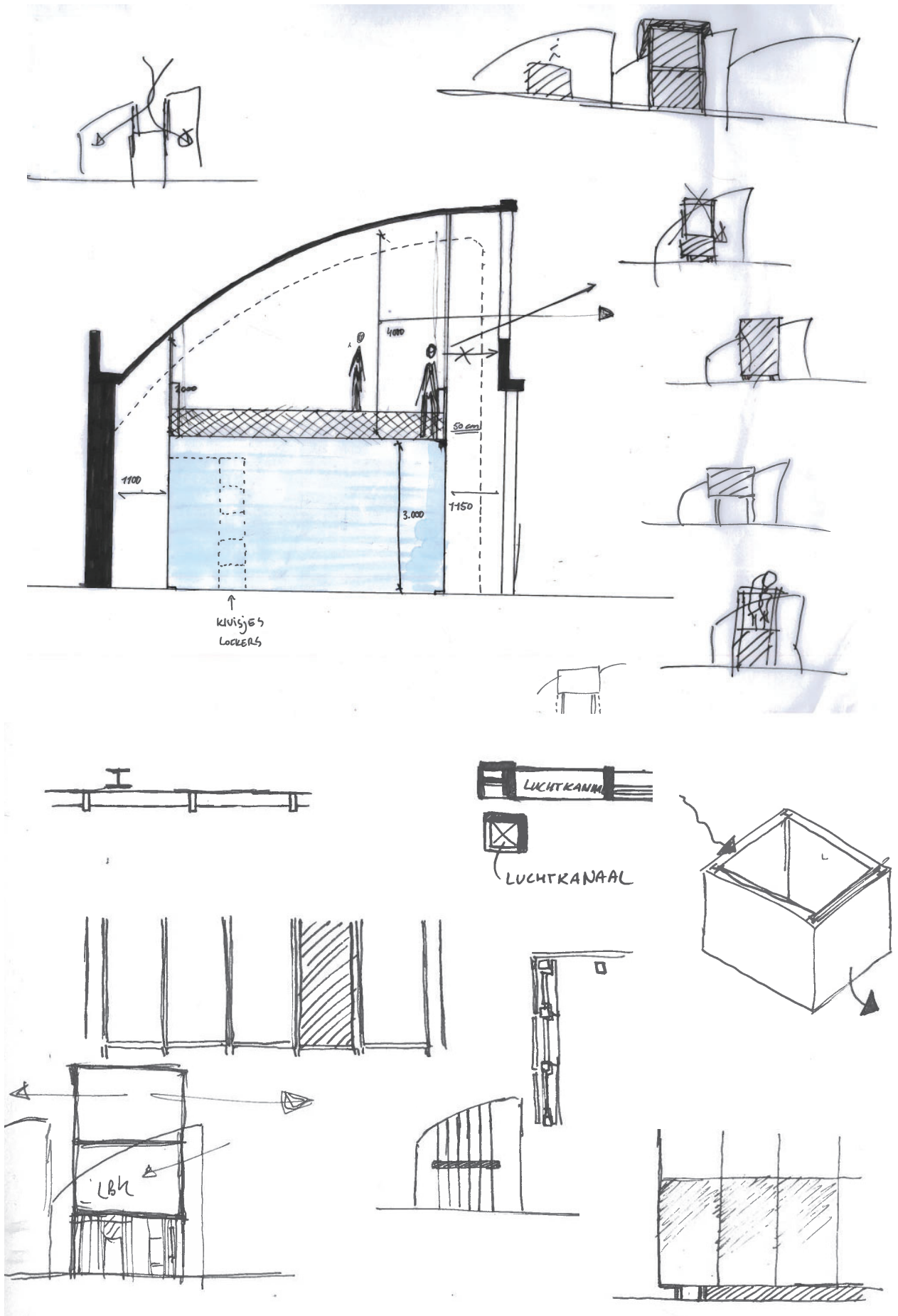
'GLAZEN GANG'
 transitieruimte publiek & tentoonstellen/verkopen
 objecten

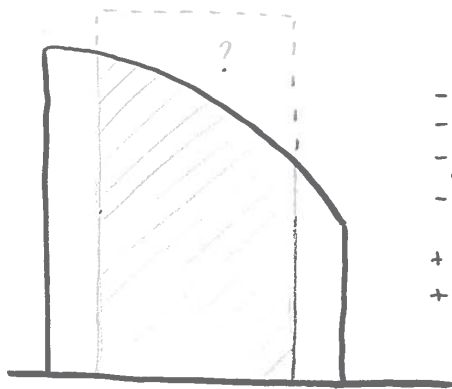


HARDER NEERZETTEN
 V.D. STRUCTUUR/
 HET RITME.

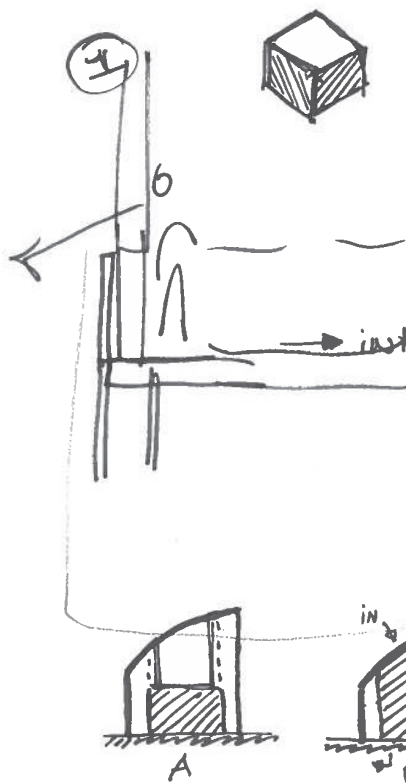
STAAL & GLAS
 ?
 ALLEEN GLAS



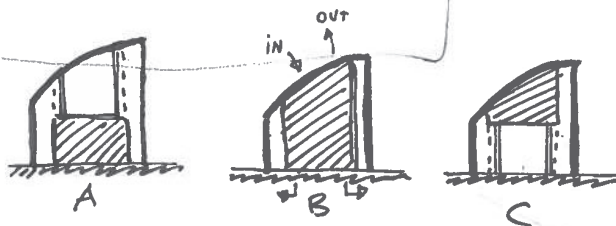




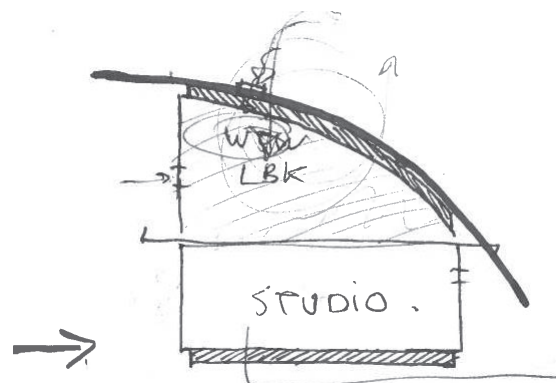
- ONNODIGE/LASTIGE DETAILS
- NIET REVERSIBEL/AANTASTING SCHIL
- HOOGTE NIET NODIG
- 'BOTST' MET NIEUWE CENTRALE GANG
NO HIERARCHY
- + DUIDELIJKE VORM
- + CONTACT MET BUITEN IVM
KLIMAATSCHOOBSTEEN.

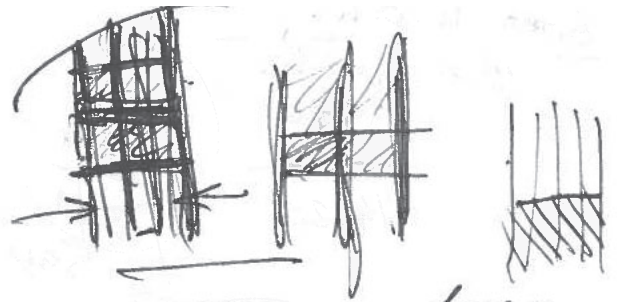
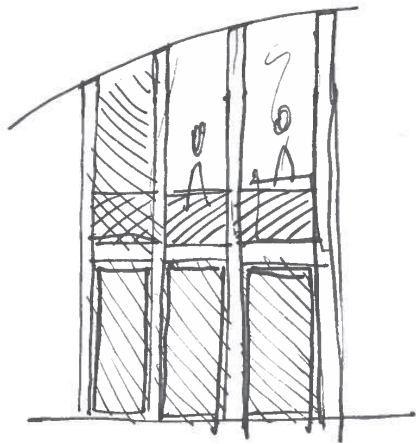


- ADDING specific spaces like
toilets, meeting rooms, offices,
installation rooms & storage.
- acoustically activated (if possible)
- ventilation in/out let.
- dividing space of workshop
- SHOULD BE RECOGNISABLE
CONTRASTING MATERIAL & COLOUR
- CLEAN, CALM INTERVENTION

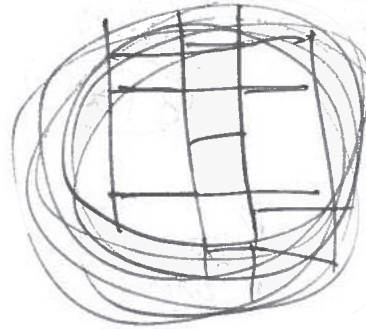


± FRAME
→ open vs closed

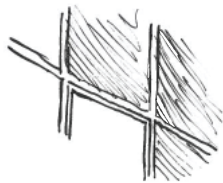




~~NO MORE~~
~~BLO~~

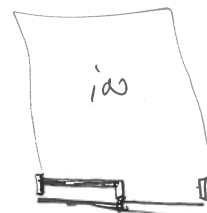
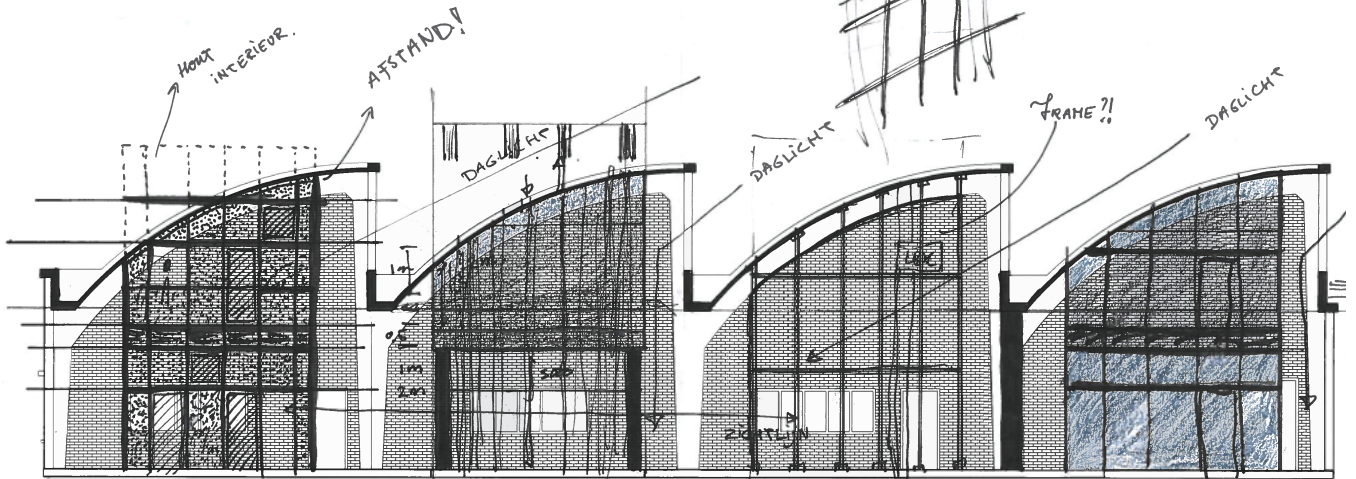
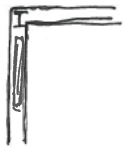


open
horiz.

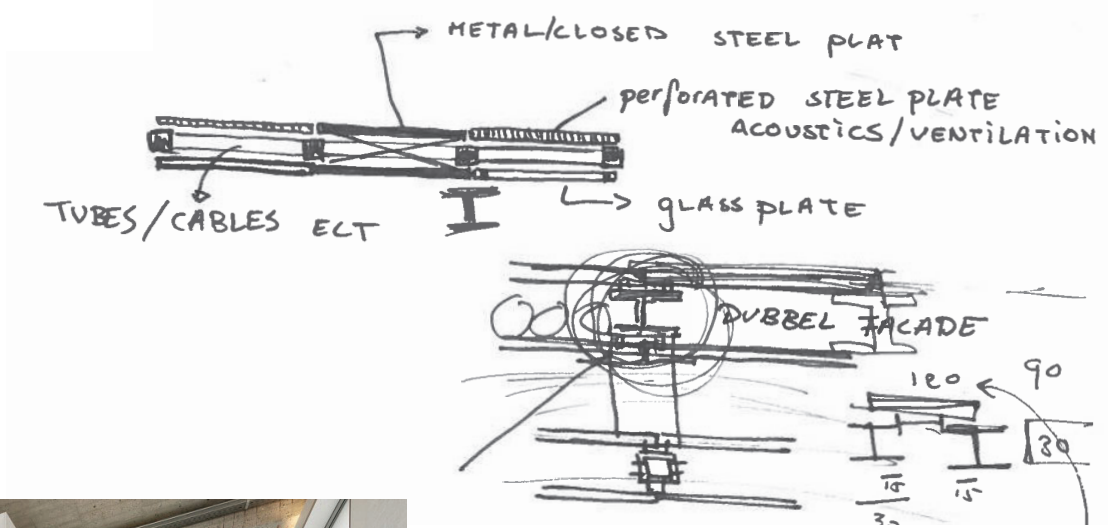
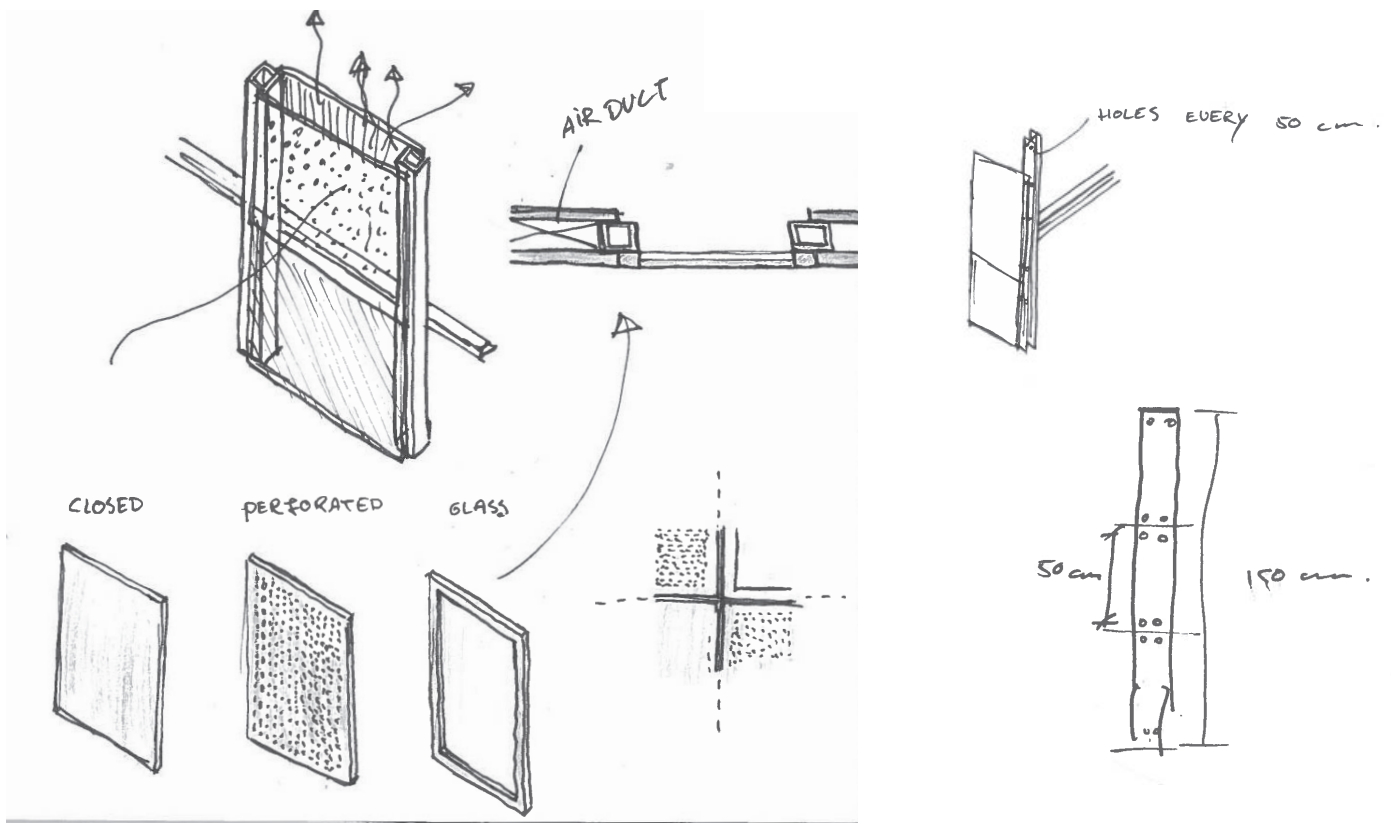


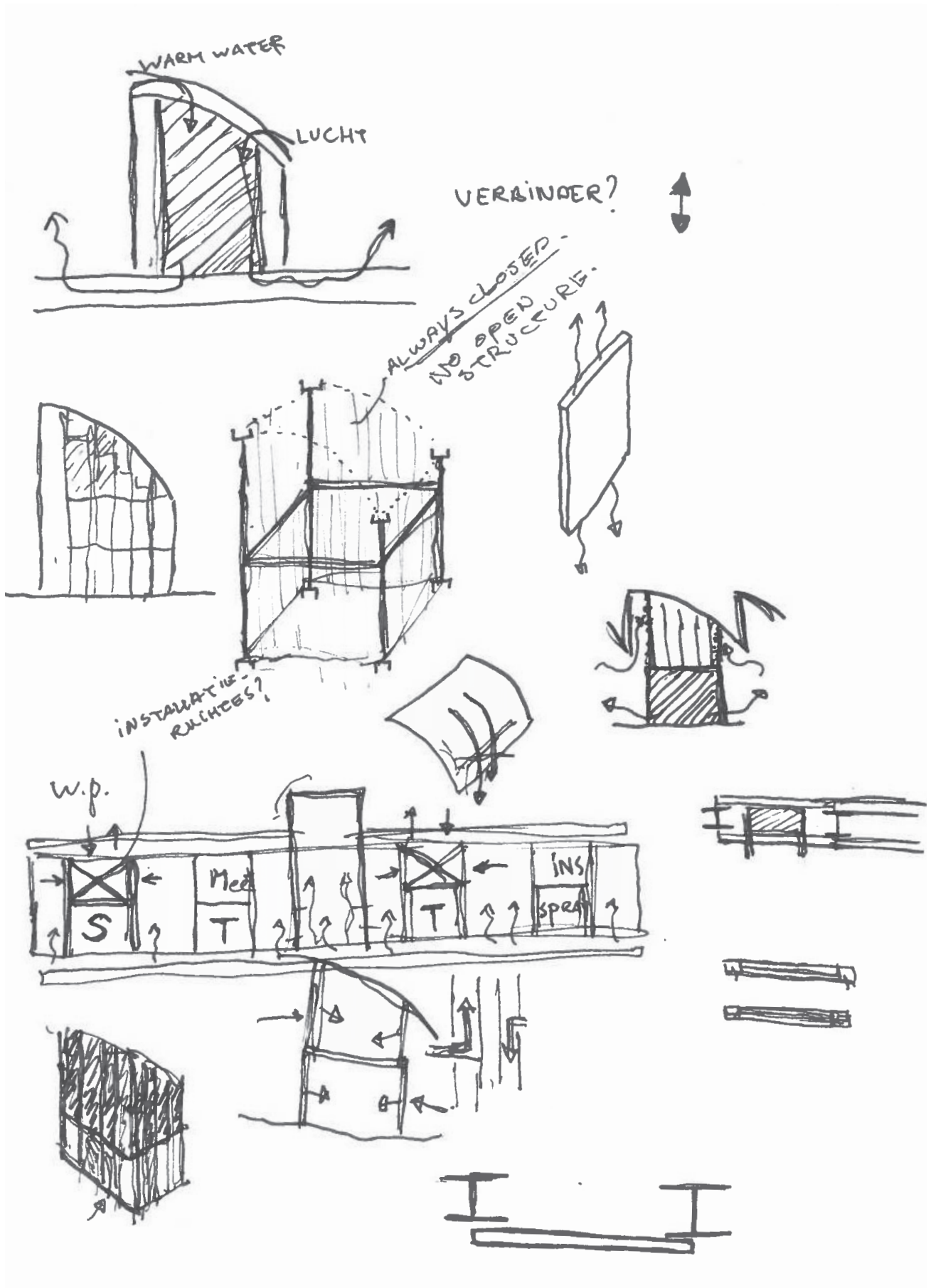
Deur 90 cm
2 m hoog
↳ 2.50 m

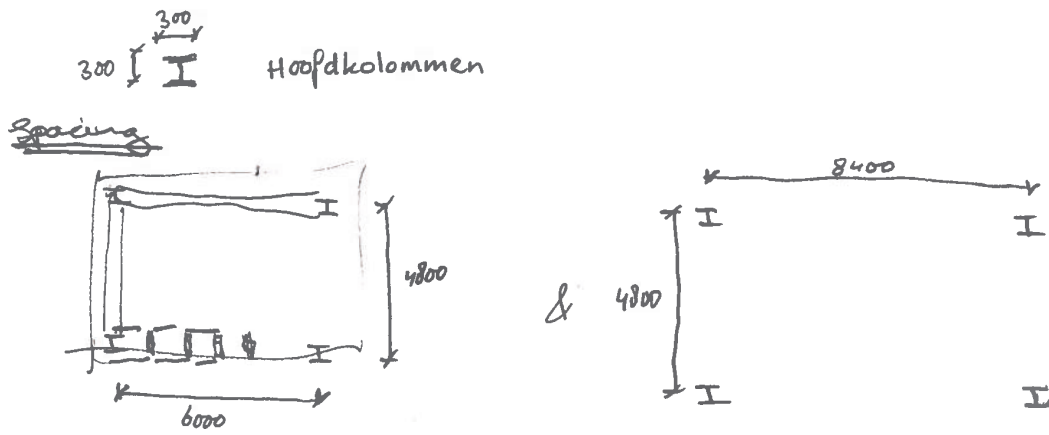
frame?



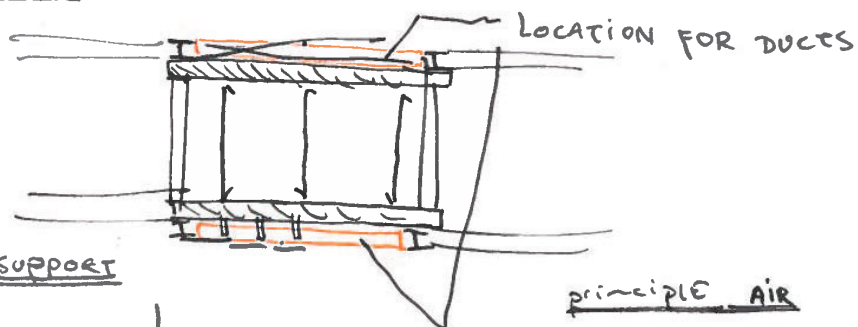
BU



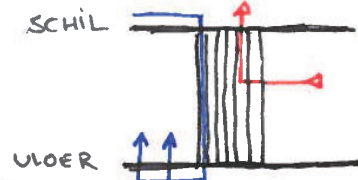
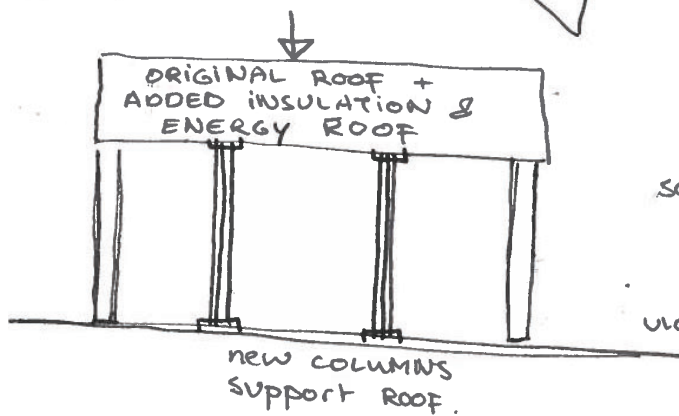




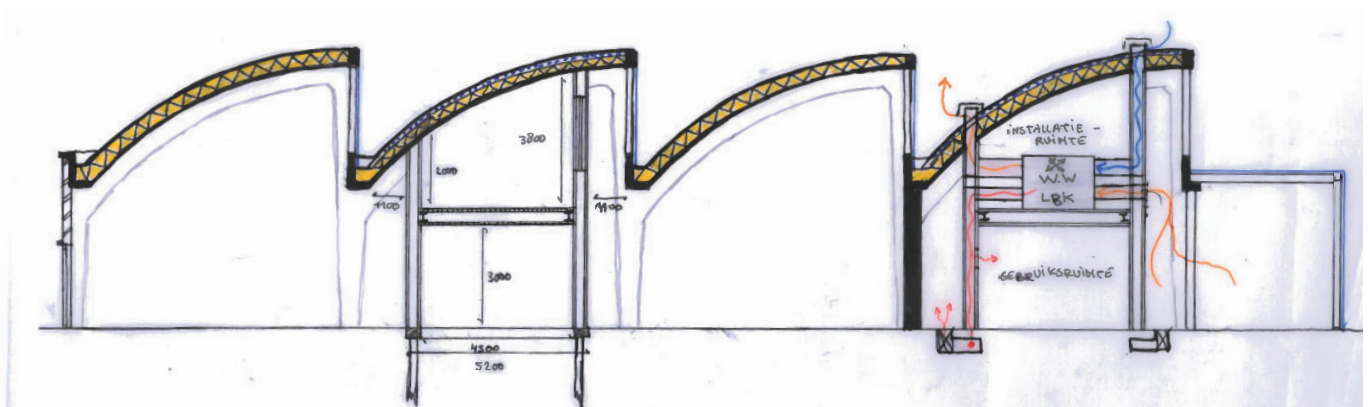
FLOOR BEAMS

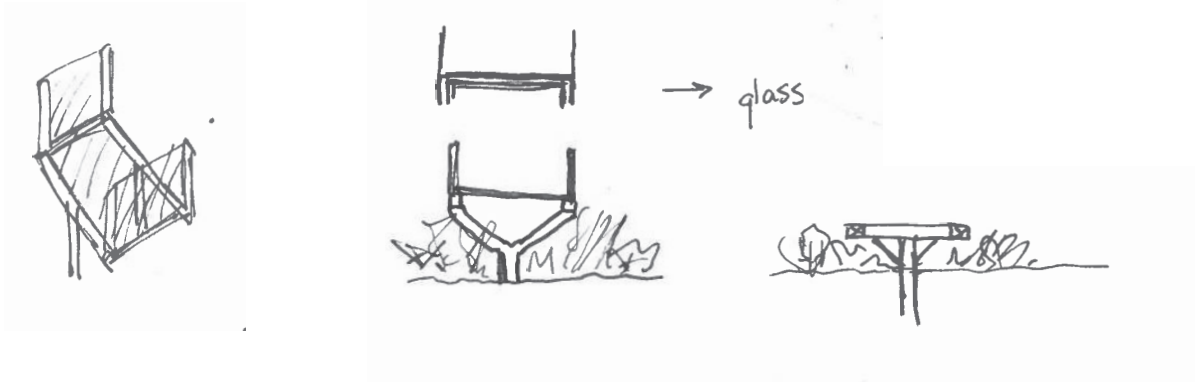
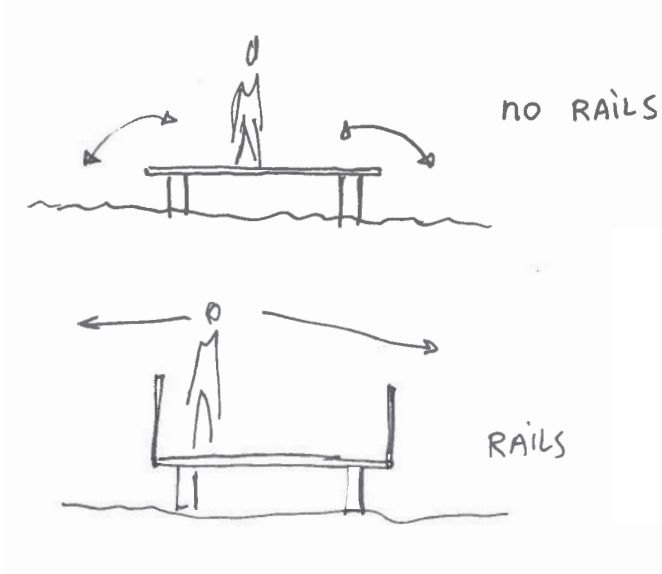


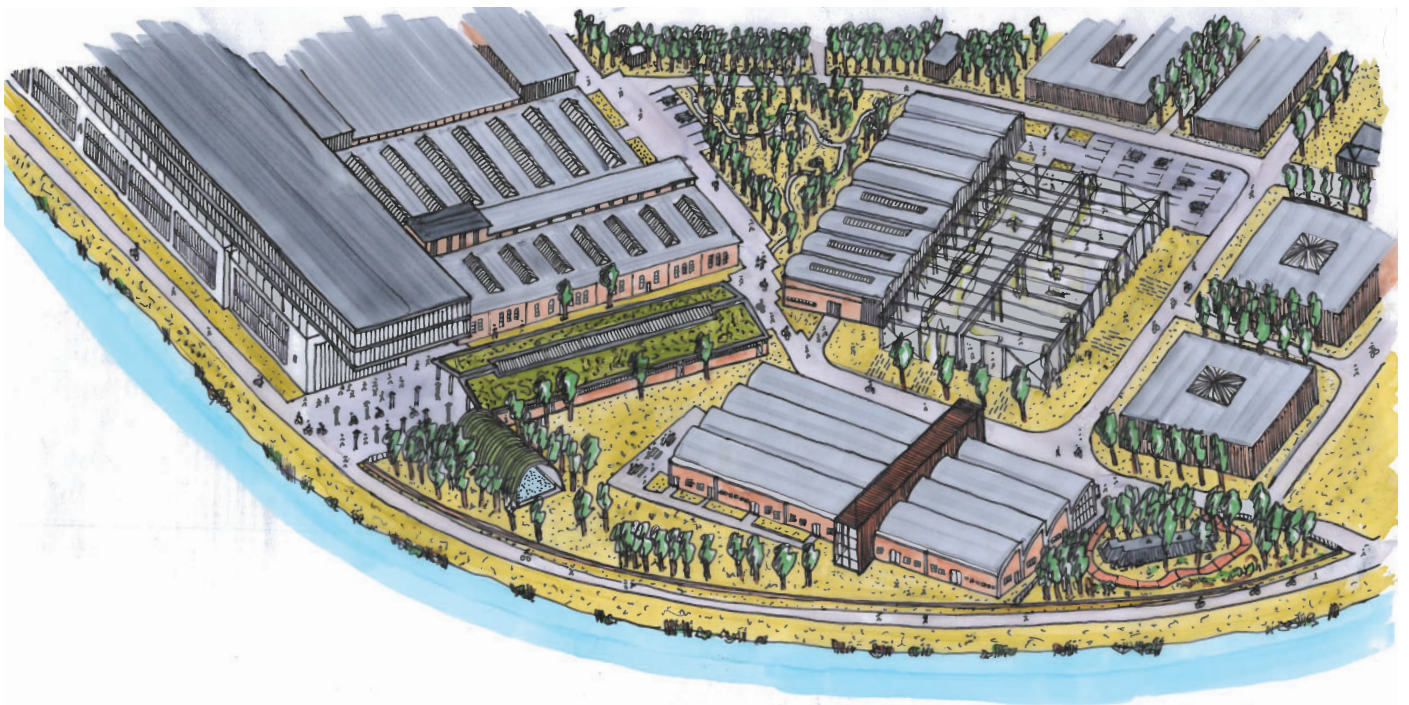
ROOF SUPPORT

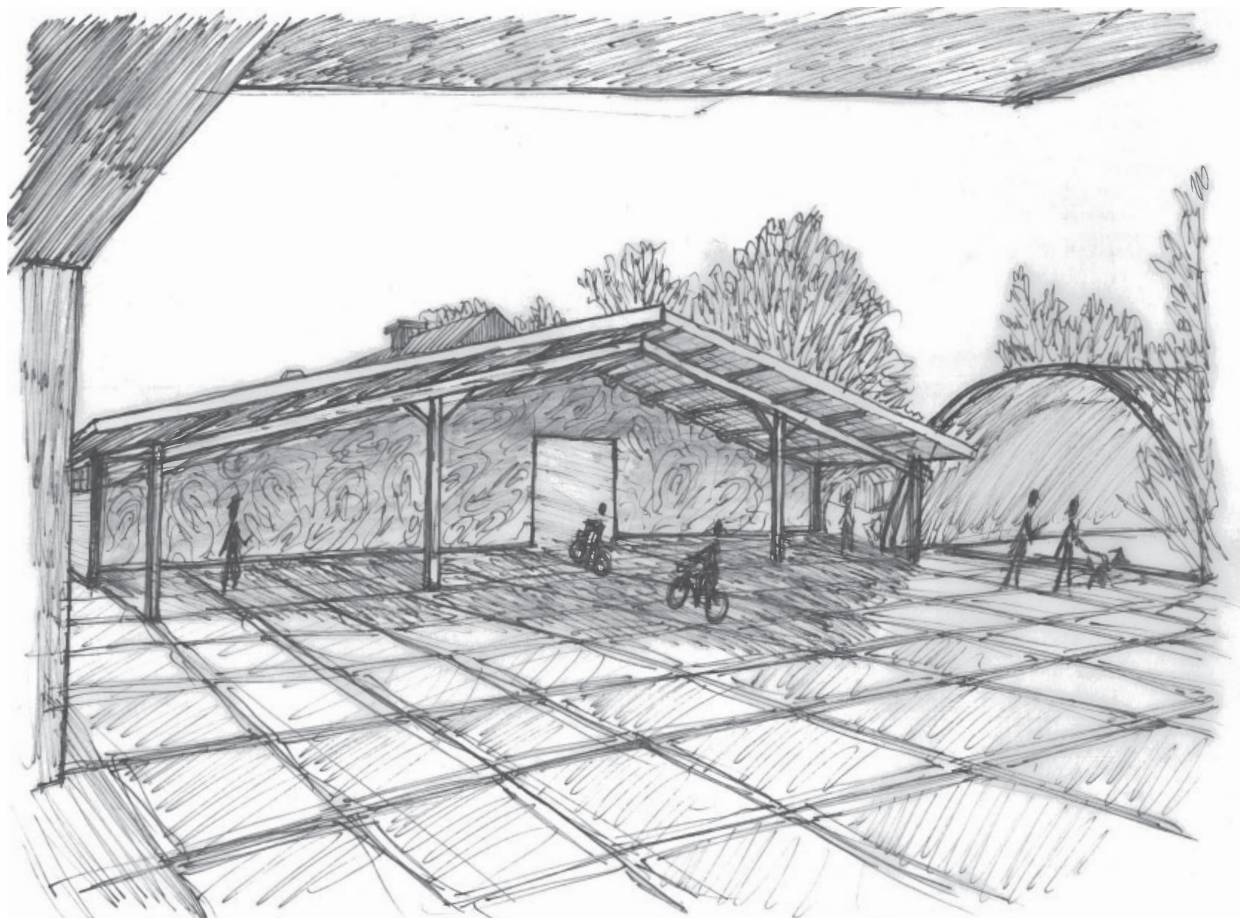
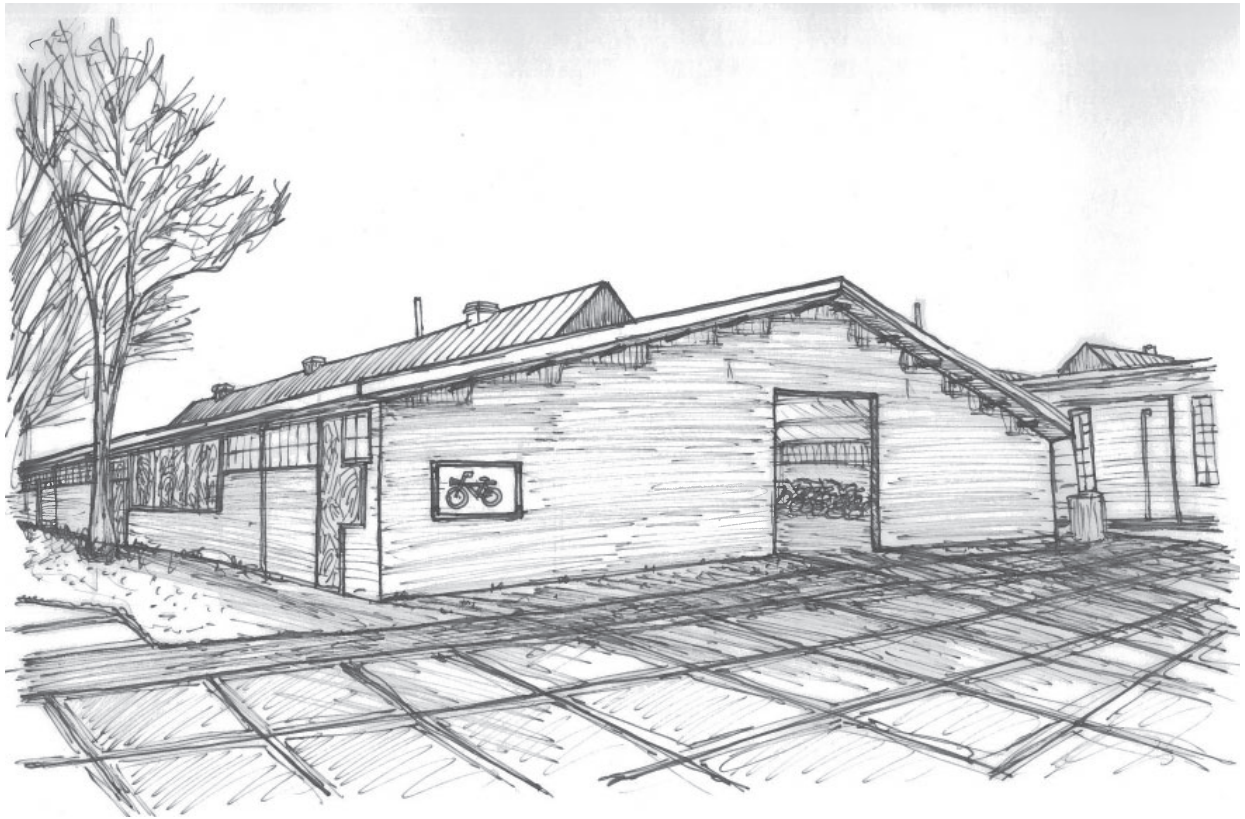


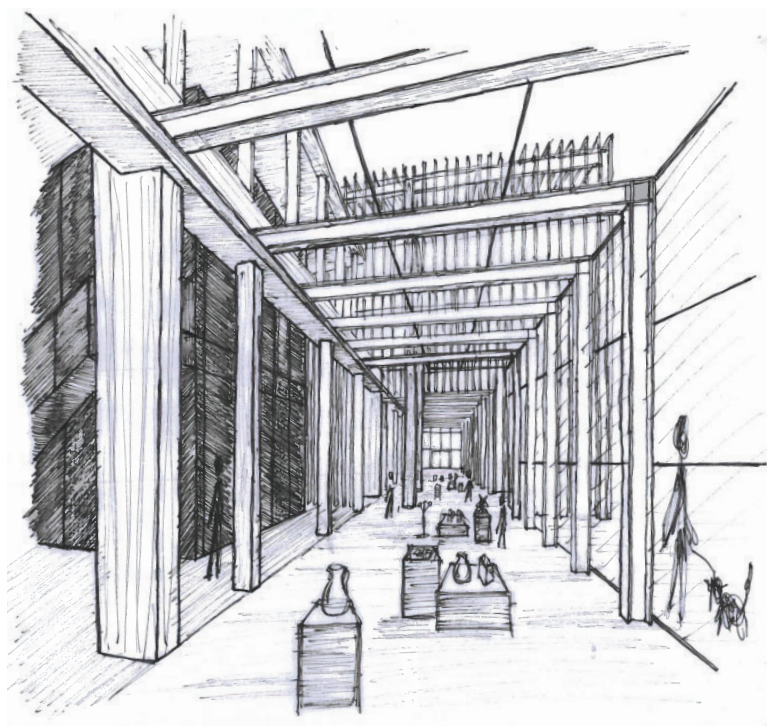
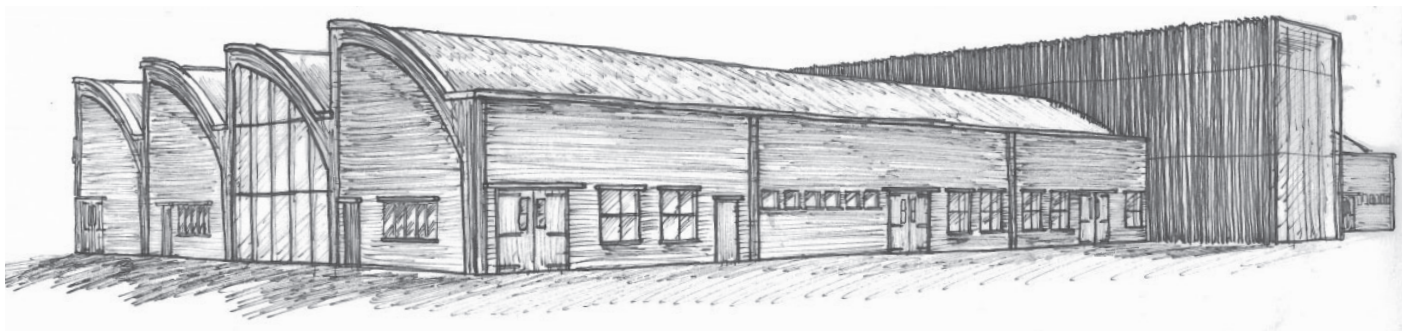
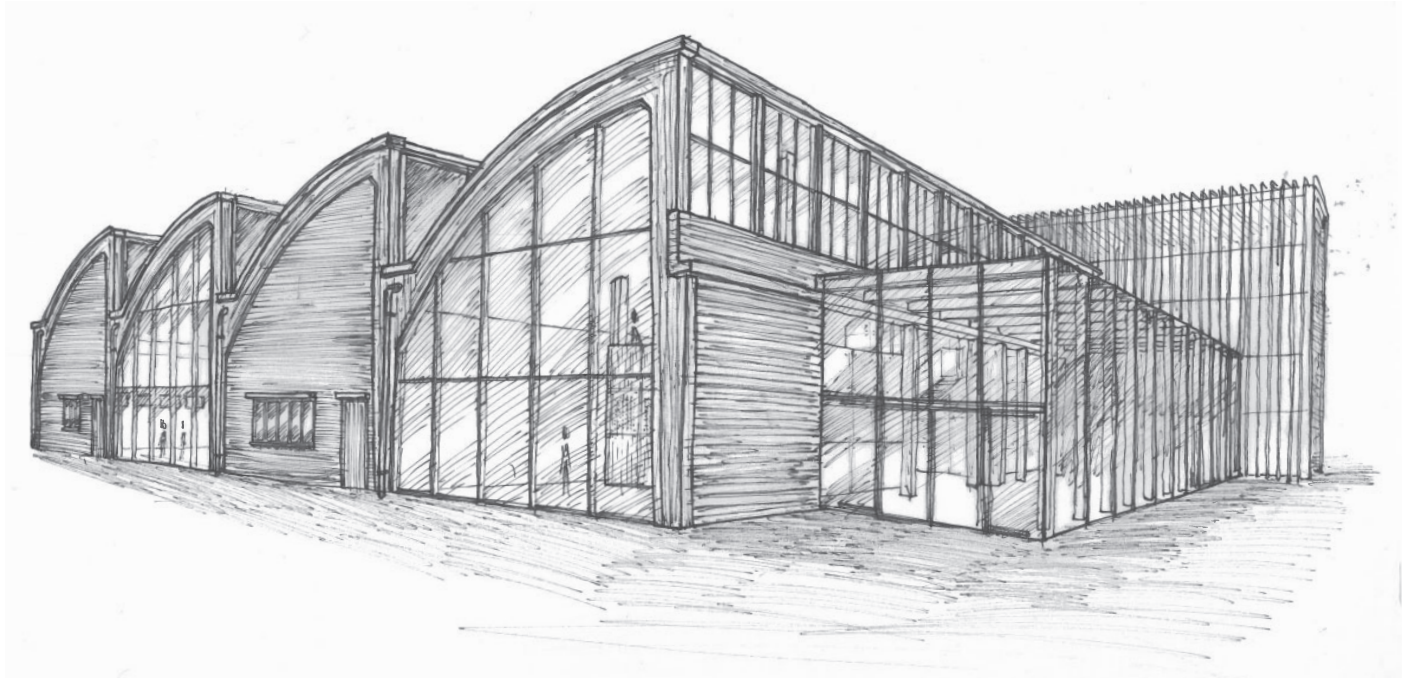
SECONDARY COLUMNS

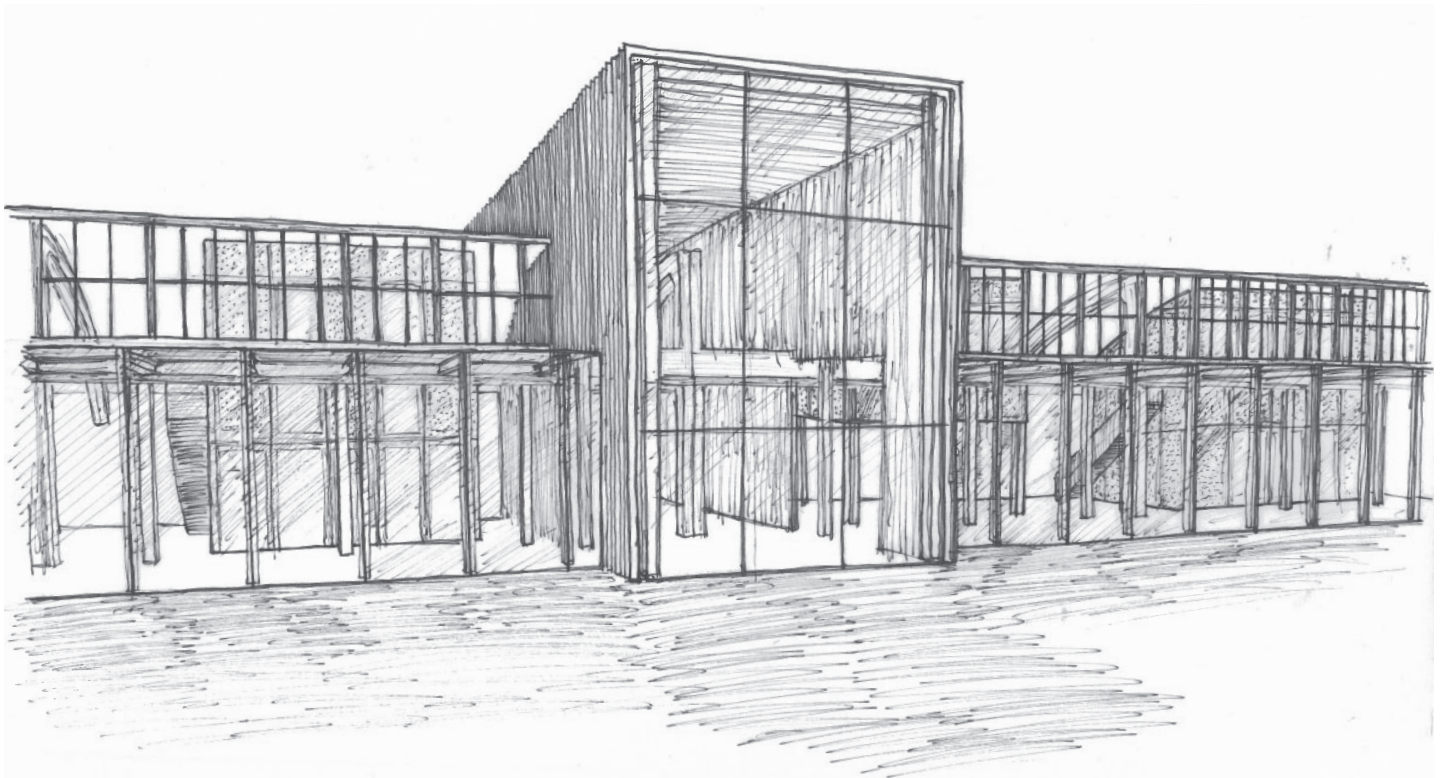
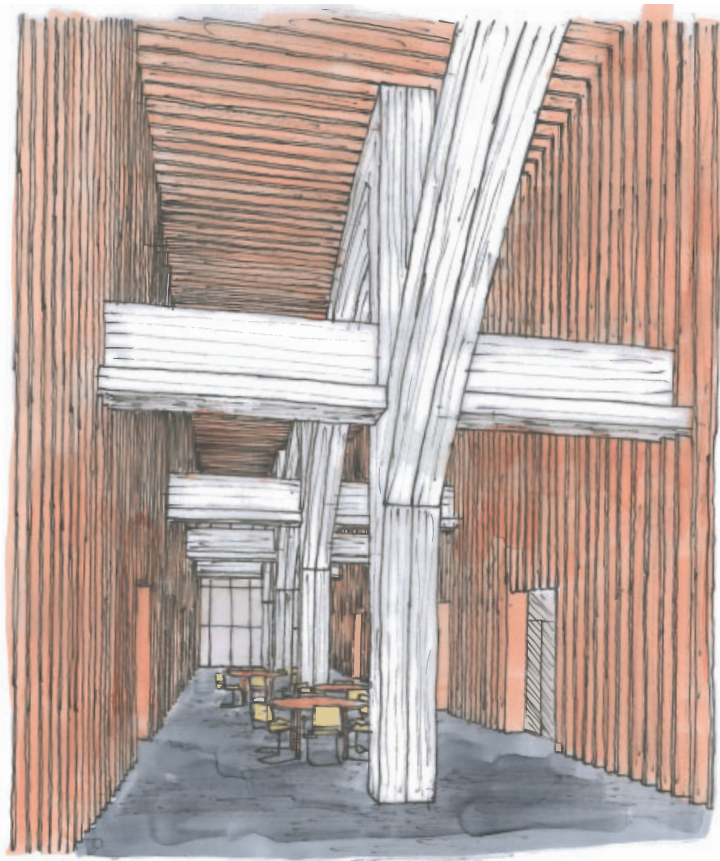


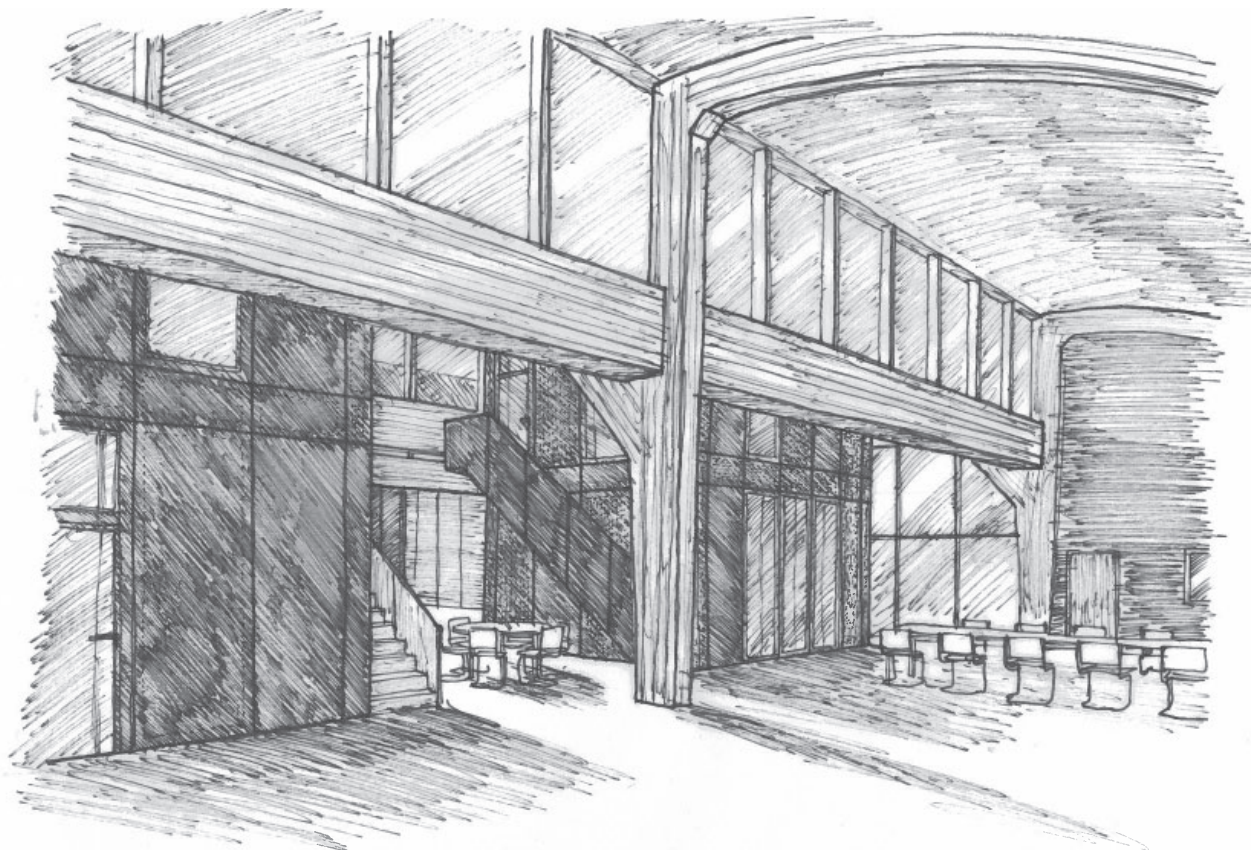
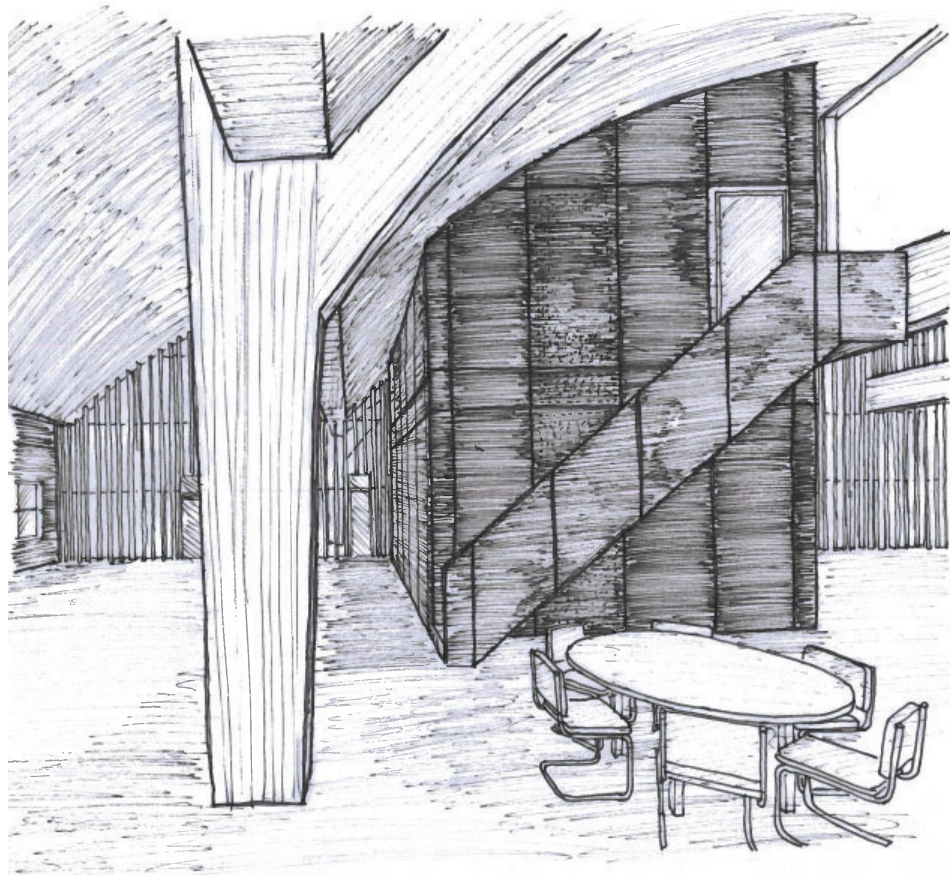


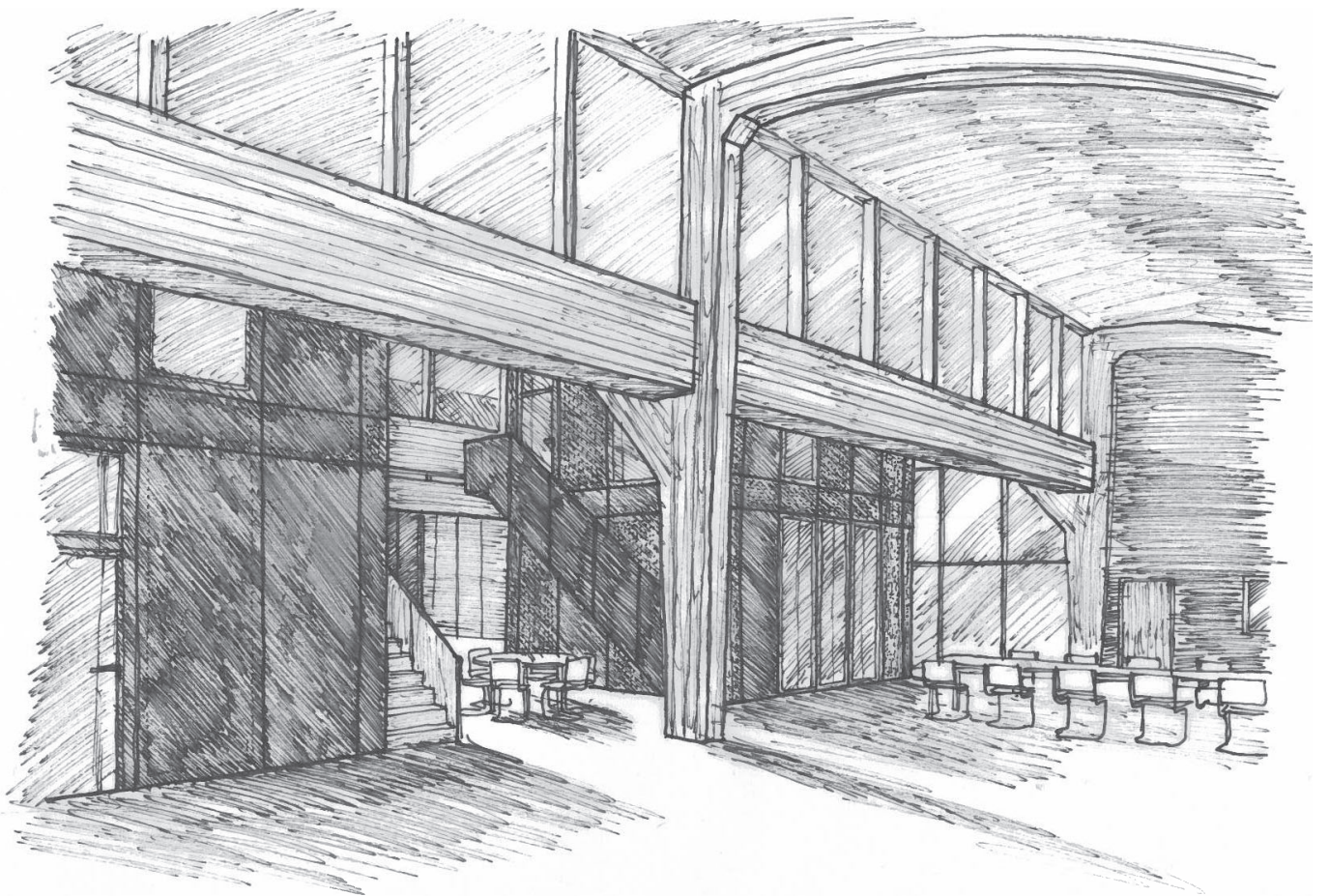


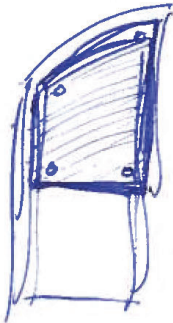
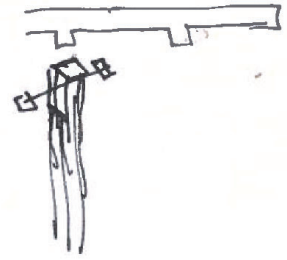
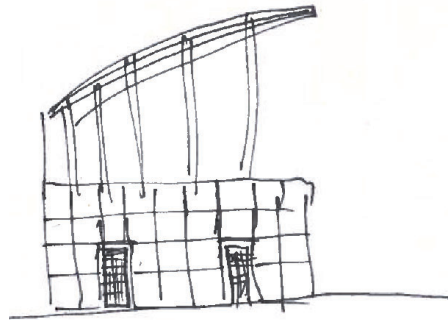






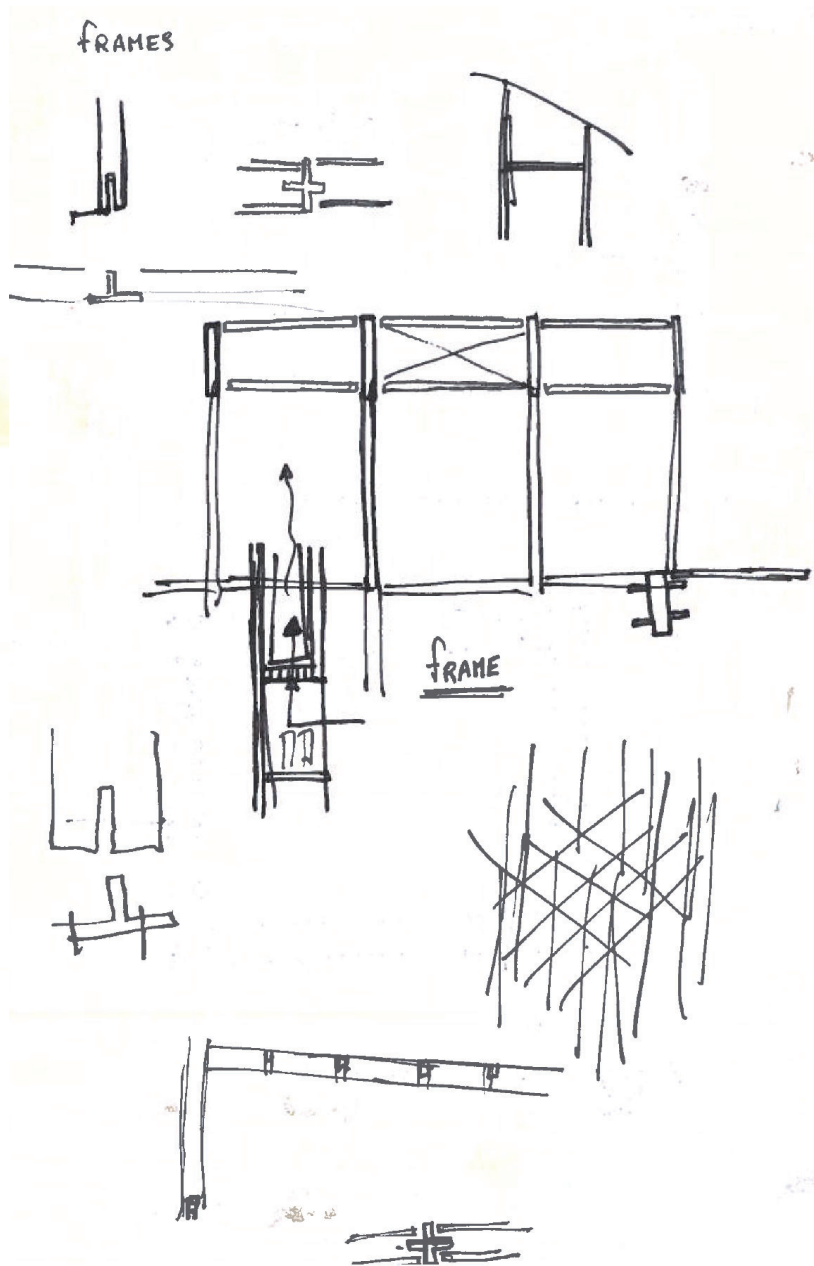
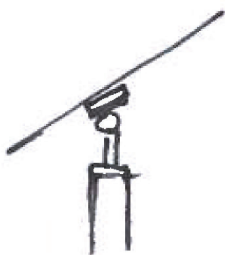


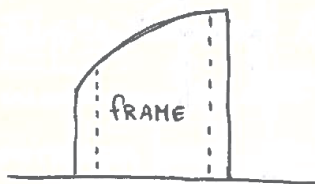
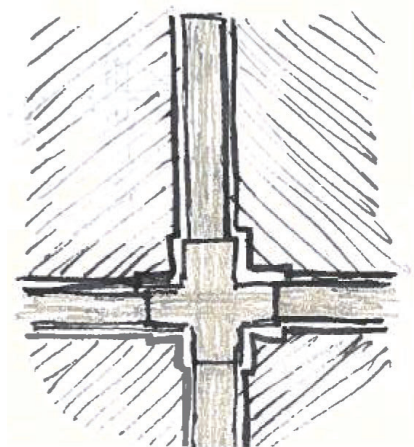
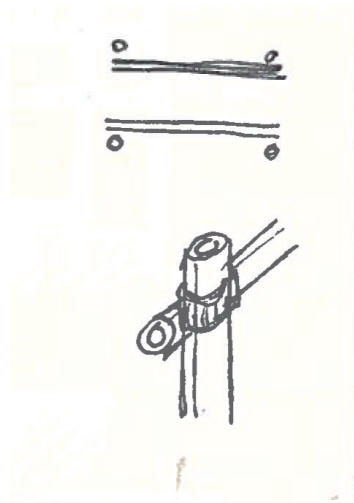
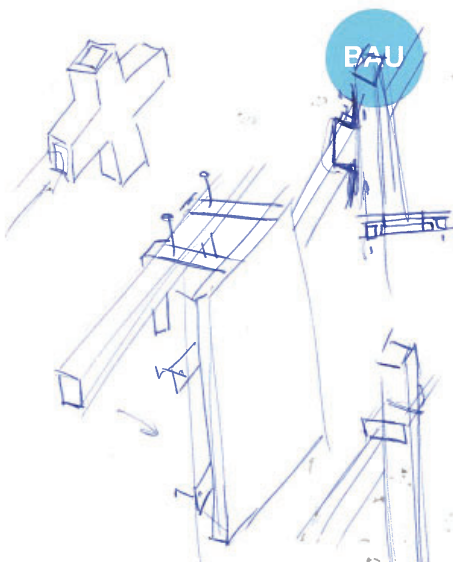




38

4
8

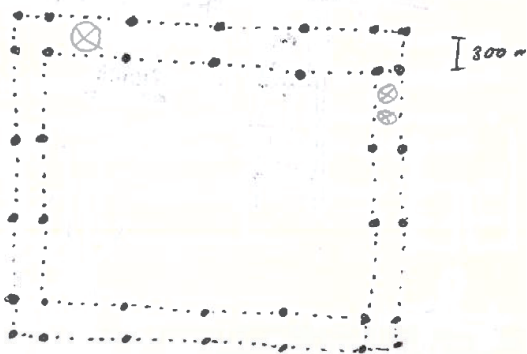




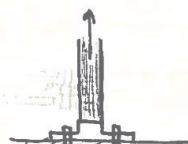
- flexibel
- reversibel
- herbruikbaar

geen nieuwe fundering.

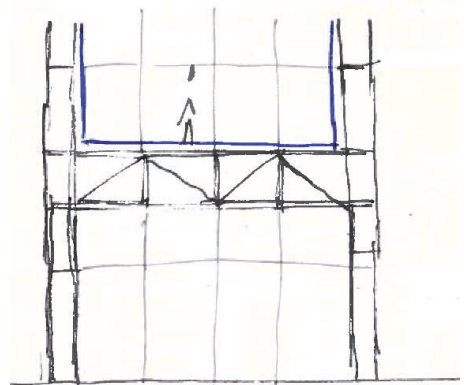
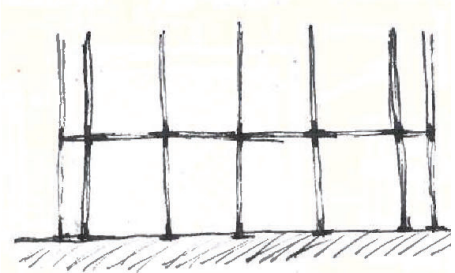
→ DUBBELWANDIG FRAME



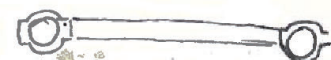
BEVESTIGING PLAFOND



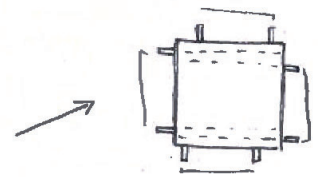
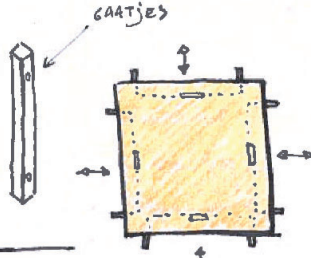
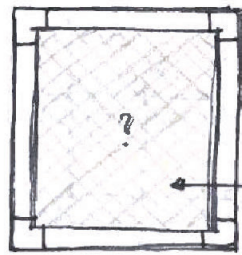
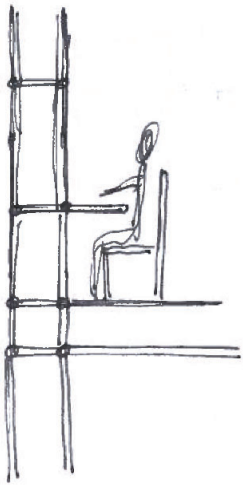
BEVESTIGING VLOER



of



FRAME MET INVULLING.

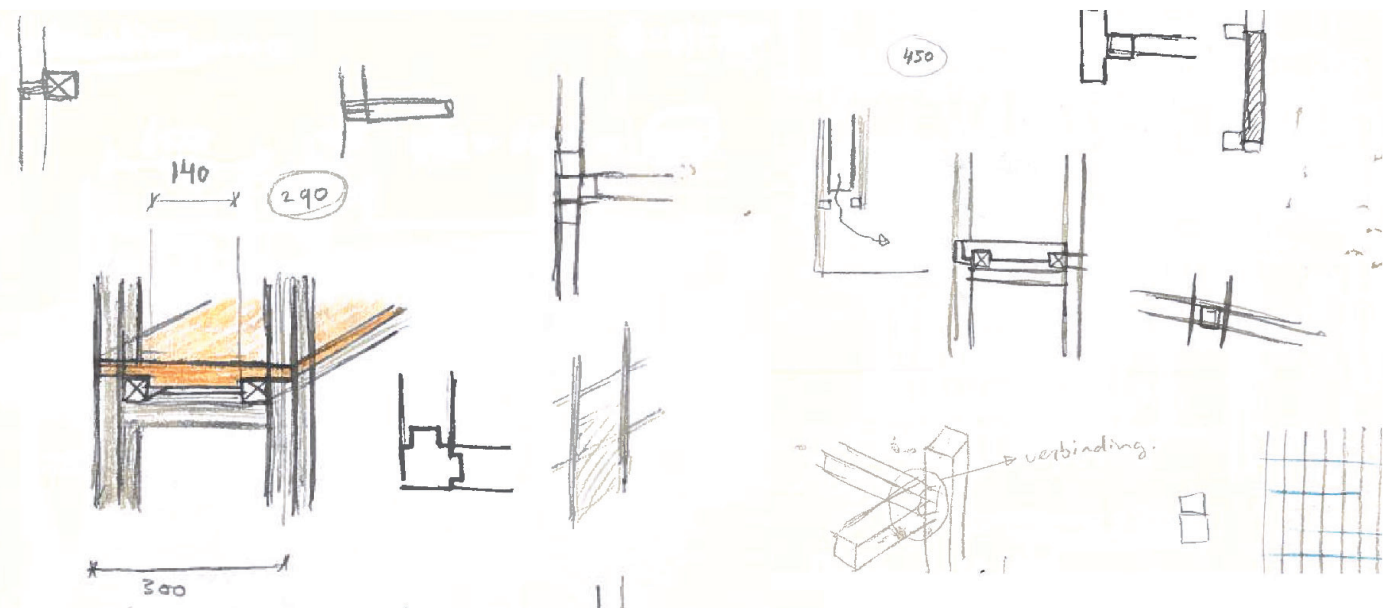
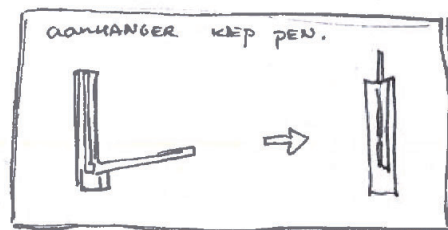
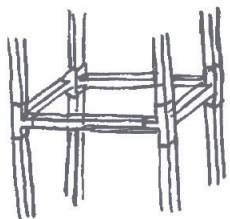
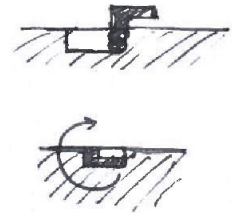
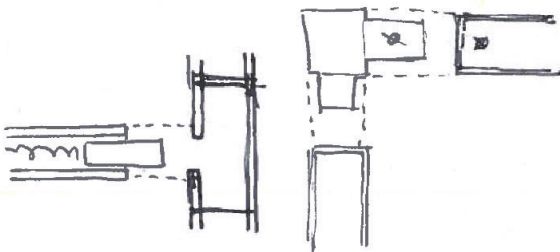


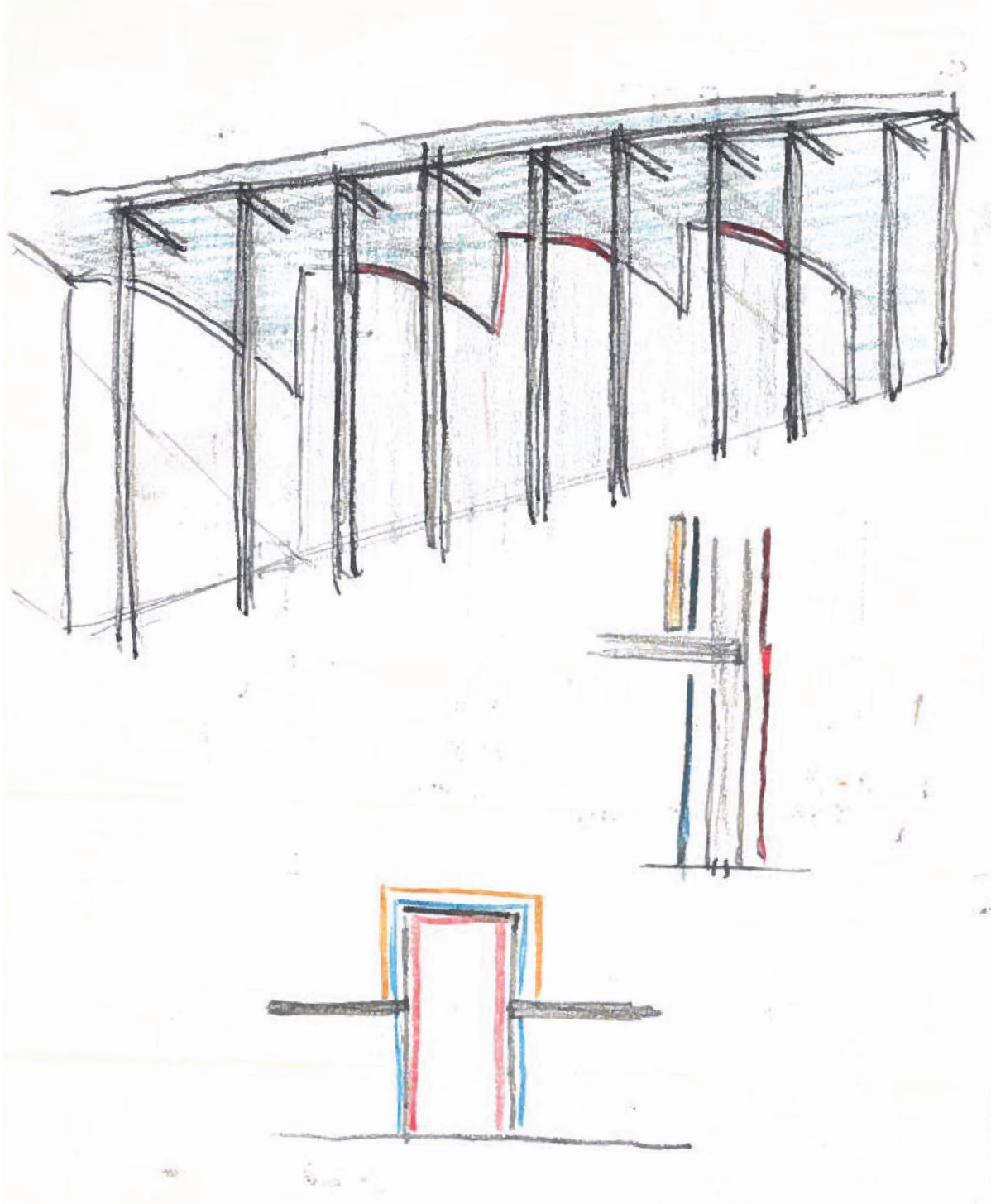
kliksysteem?
kluisprincipe.
RUBBER SEAL.

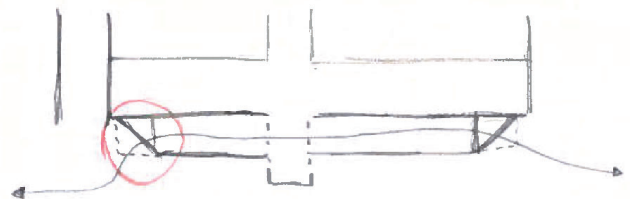
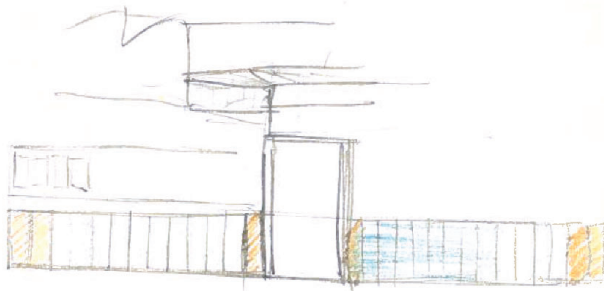
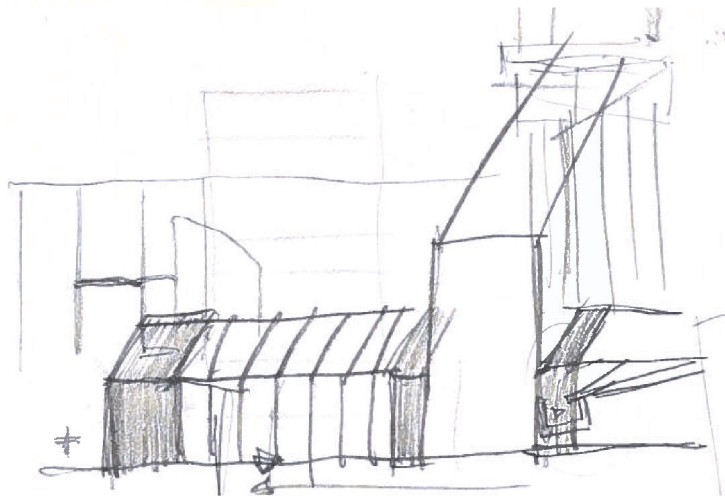
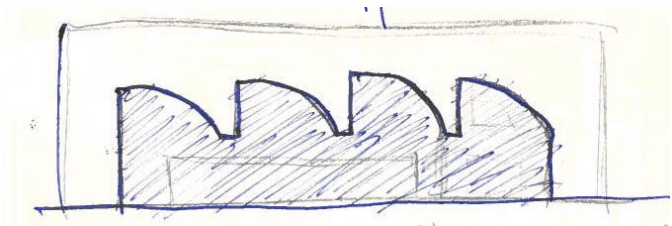
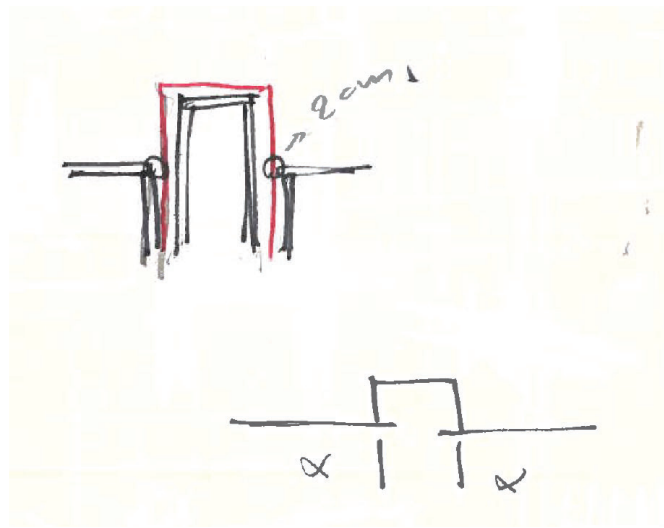
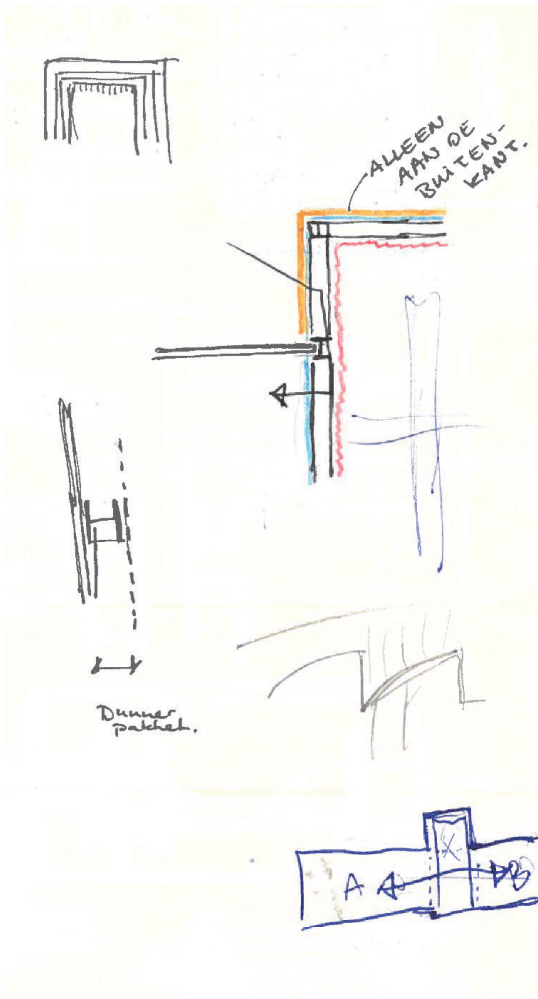
WOODEN panels.
LIGHT WEIGHT

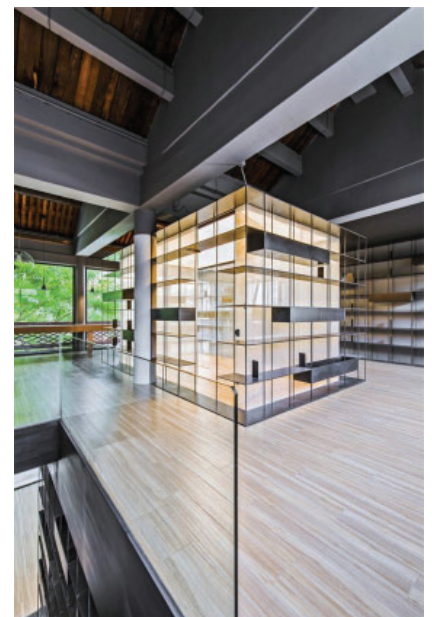


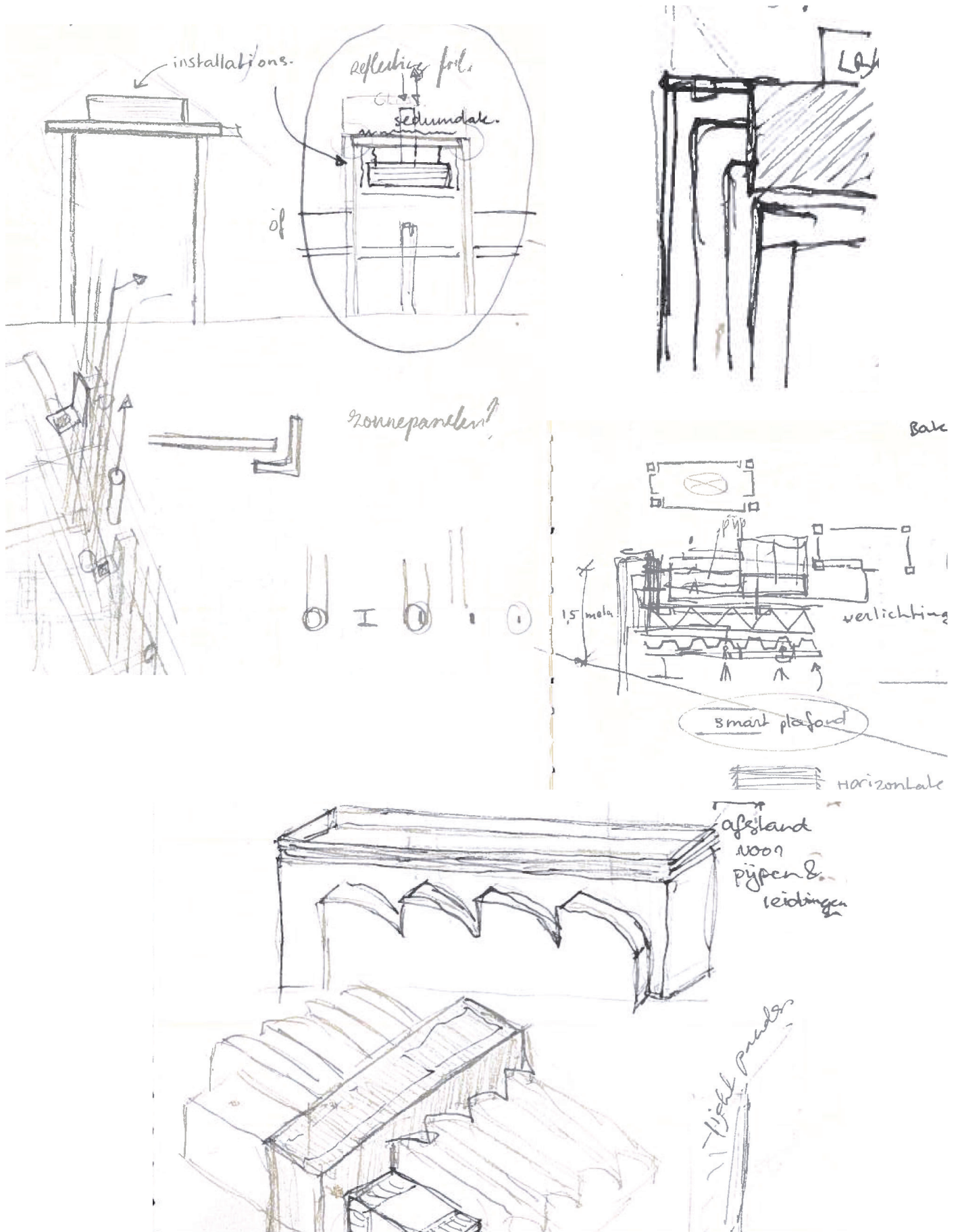
SCHROEFVAST.

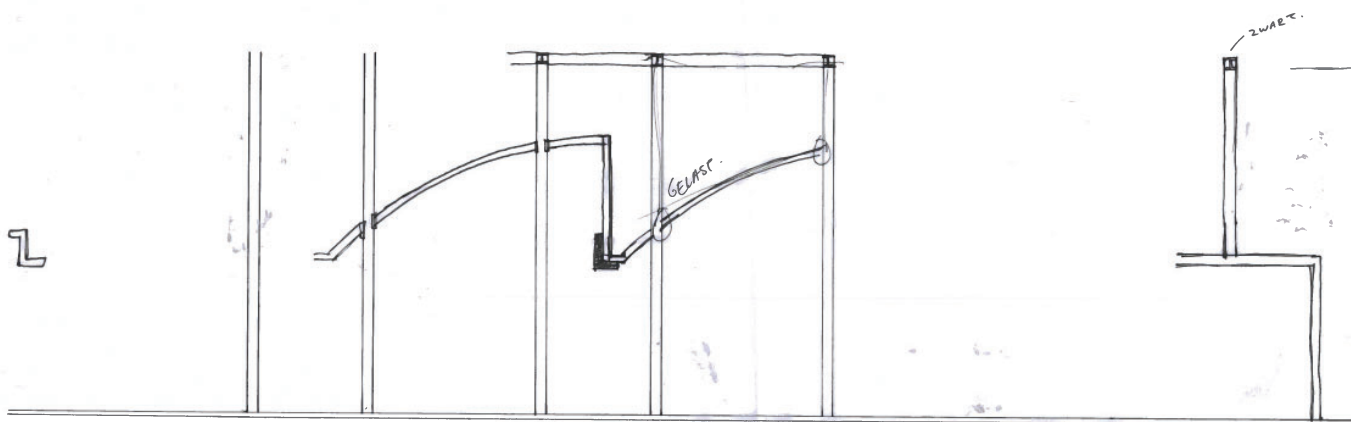
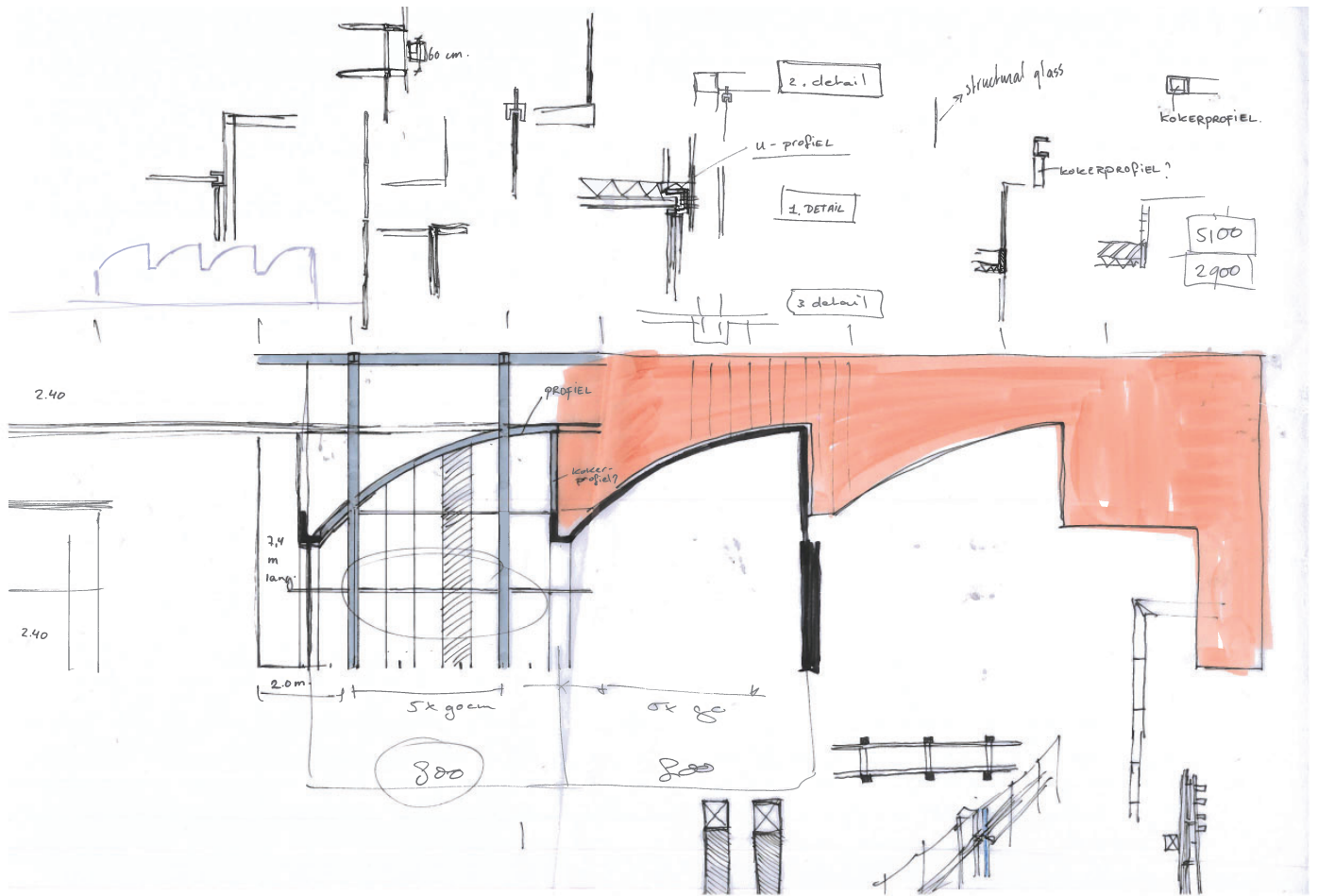


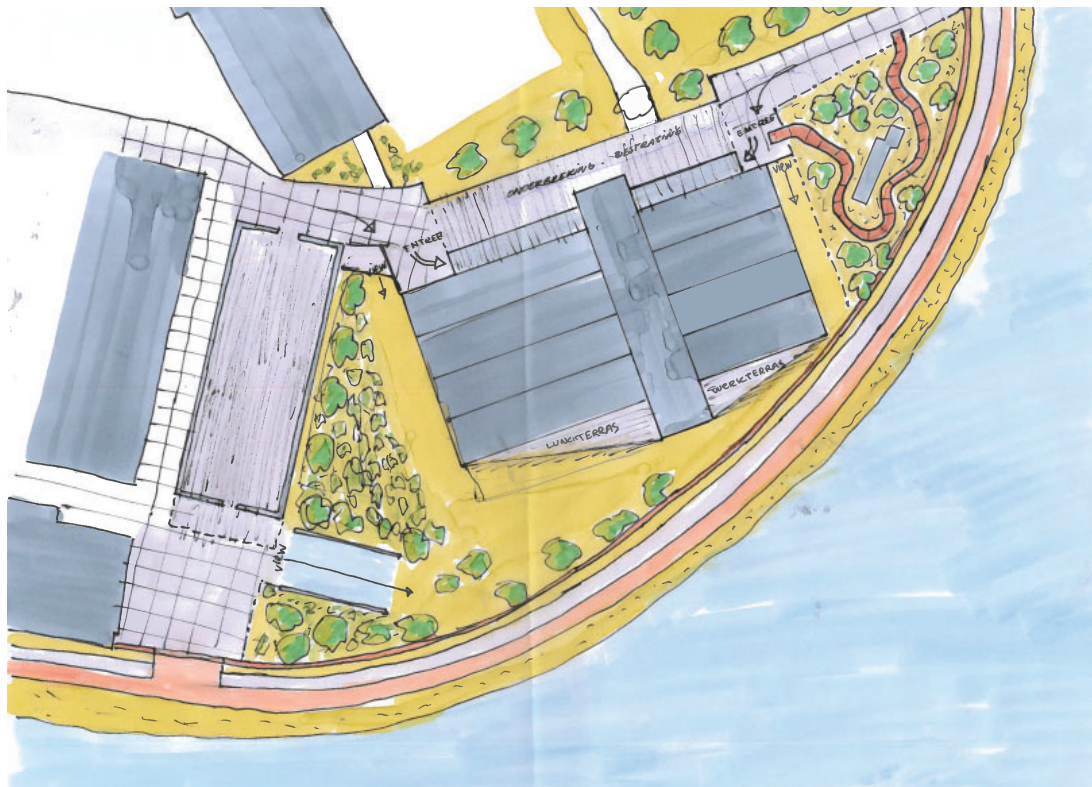
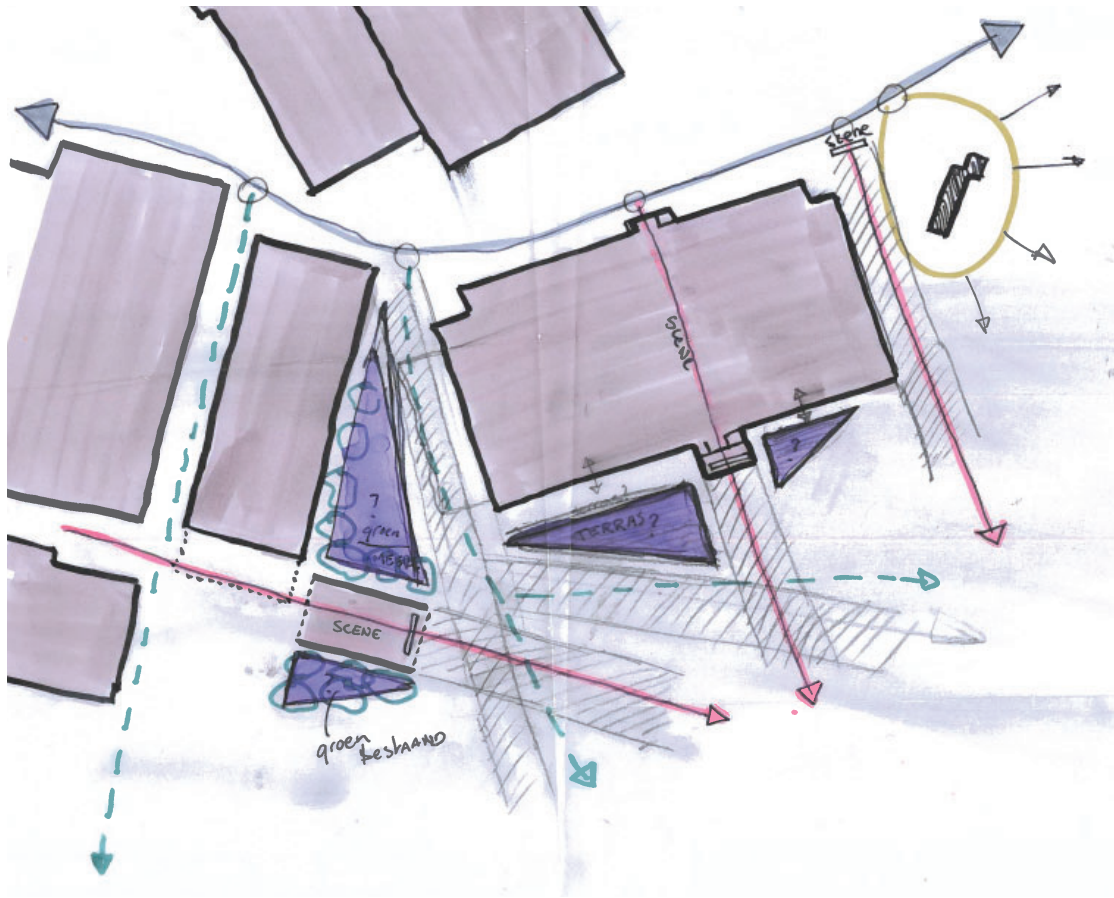


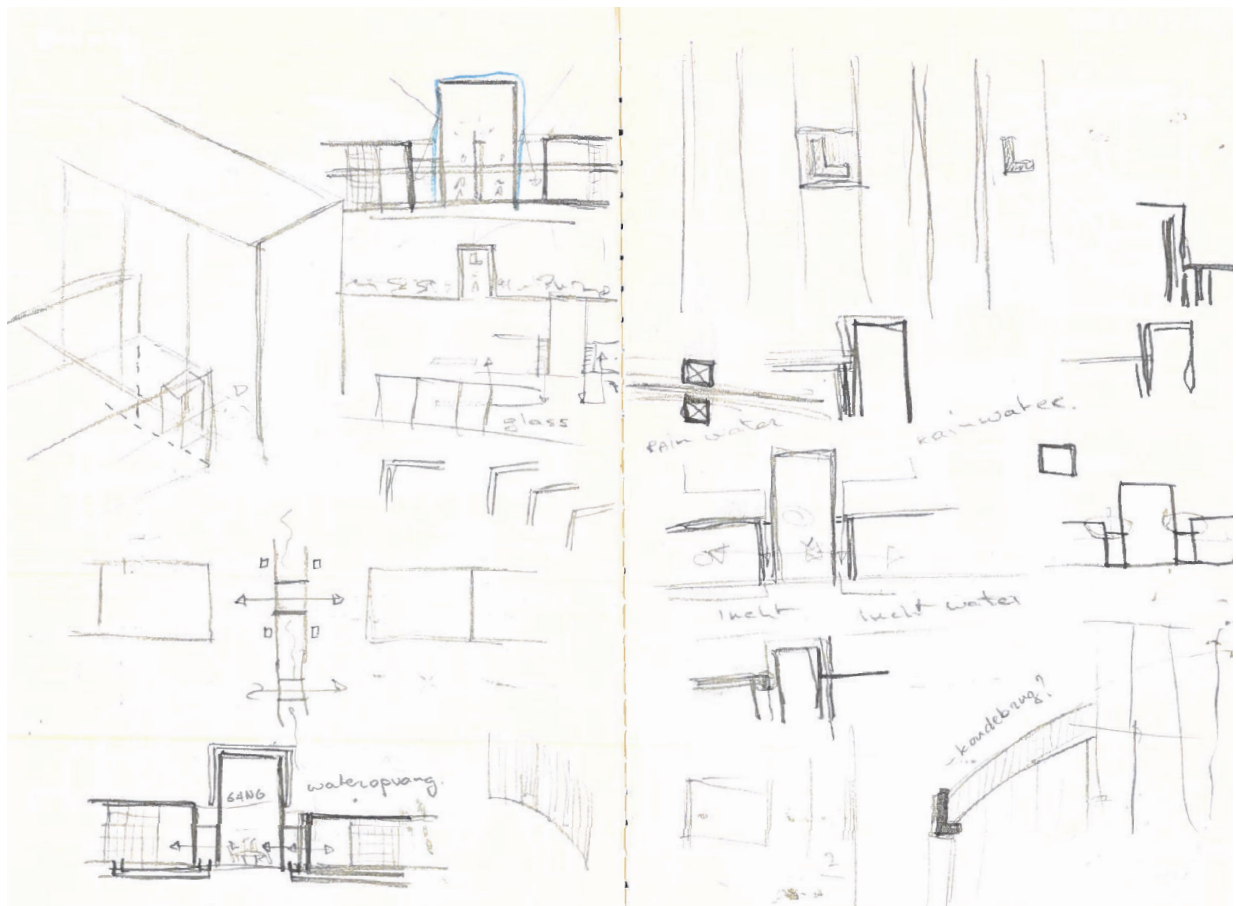
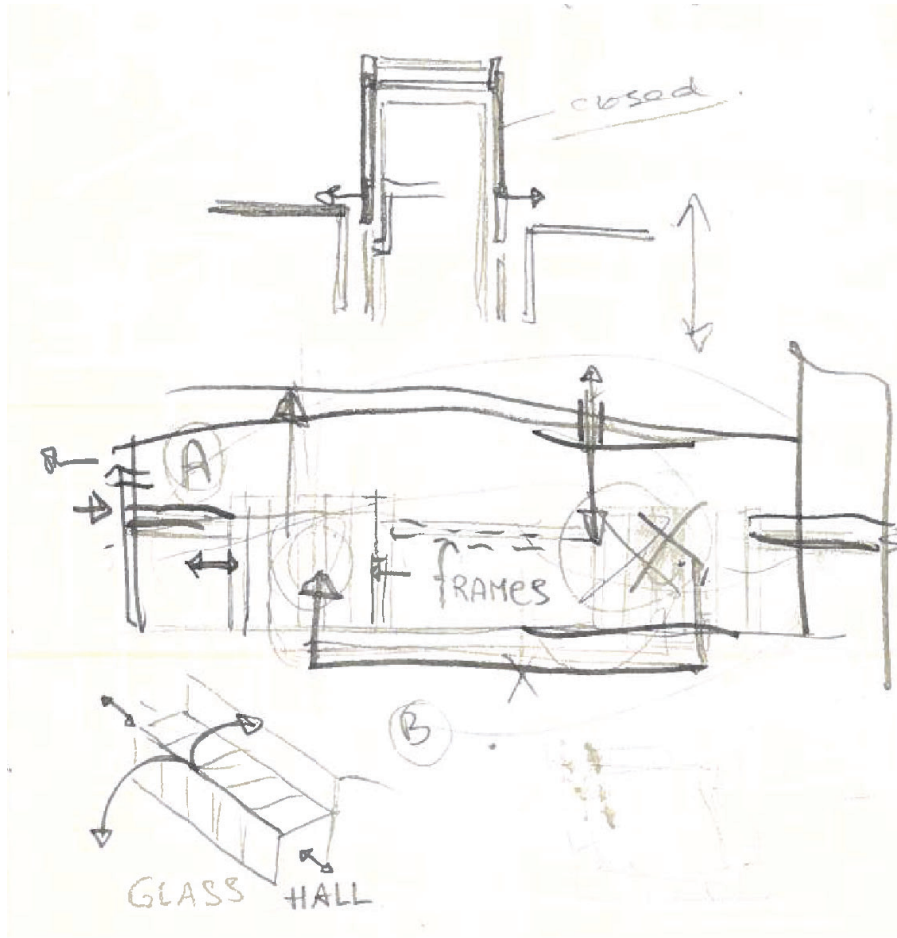




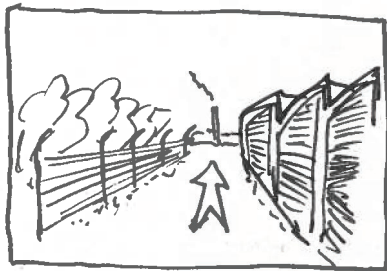






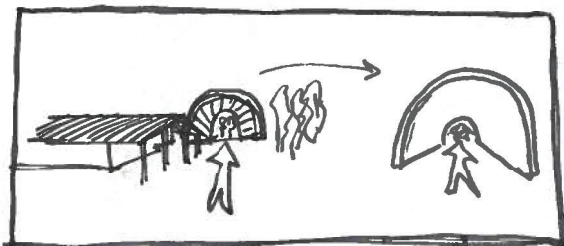


* VIEW THROUGH ALLEY IN BETWEEN SHELTER & FACTORY



- VIEW IS DIRECTED NICELY
- CHIMNEY AS 'LANDMARK'
- LEFT & RIGHT = CLOSED.
- THIS WORKS ONE WAY

* VIEW THROUGH ROMNEY HUT



- VIEW IS DIRECTED
- TREES AS 'ENTOURAGE'
- UNBLOCKED, CONTINUOUS VIEW

