



Afstudeerpresentatie Esther Kock - 1222589 - 30 juni 2011

Commissie:

ir. A.W. Hermkens

ir. F. Colautti

ir. A.A.E. Luising

dr.ir. F.D. van der Hoeven

Verweving van landschappelijk en stedelijk weefsel

INTERVENTIE VAN EEN TABAKSFABRIEK IN ZEVENAAR

CONTEXT & ANALYSE

Zevenaar
BAT terrein
Uitgangspunten masterplan

MASTERPLAN

ONTWERP GEBOUW

Analyse hal 12
ontwerpuitgangspunten
Opzet ontwerp

BOUWTECHNIEK

Detaillering
Installaties

WAARDESTELLINGEN

 HOOG

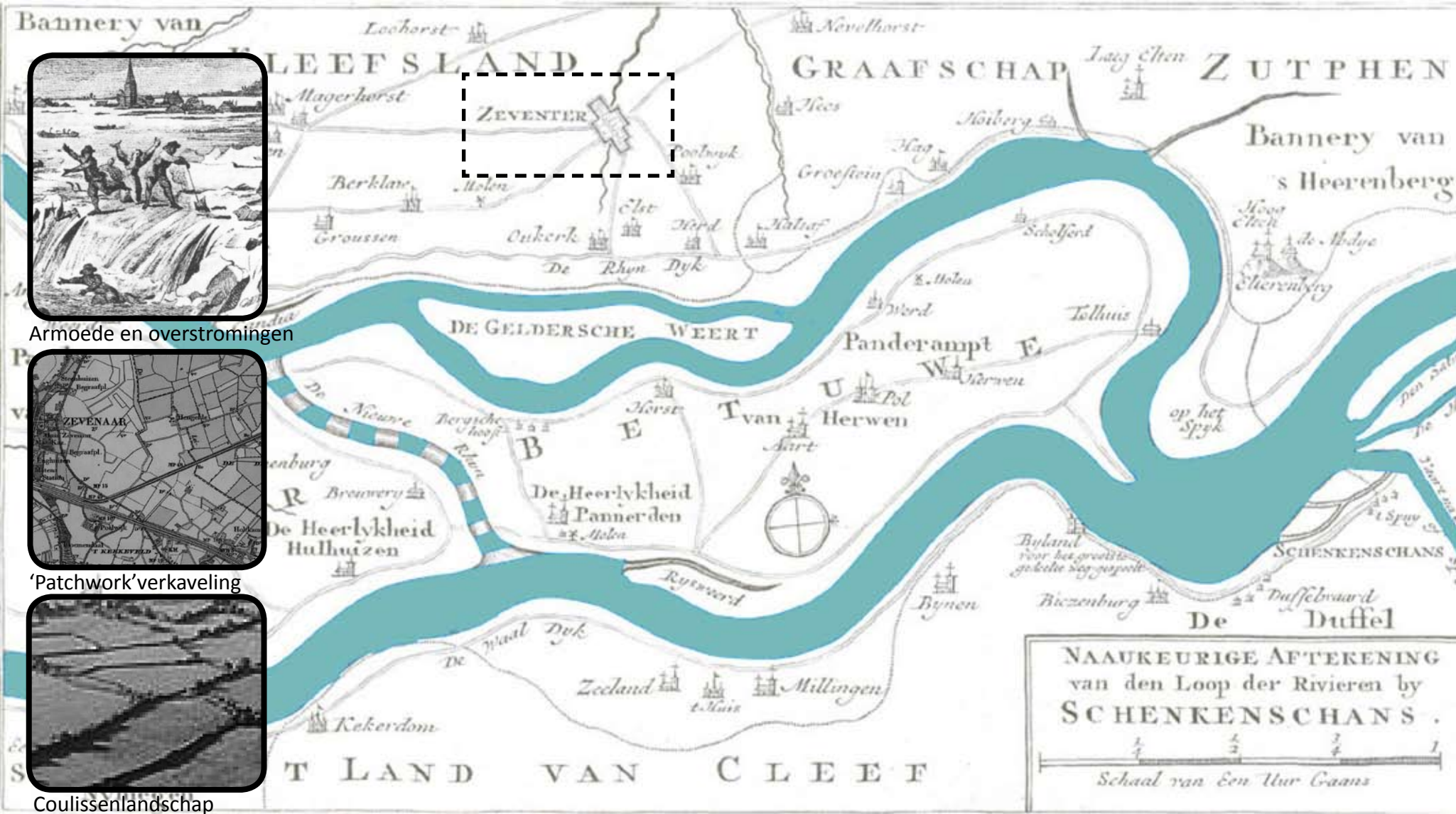
 POSITIEF

 INDIFFERENT

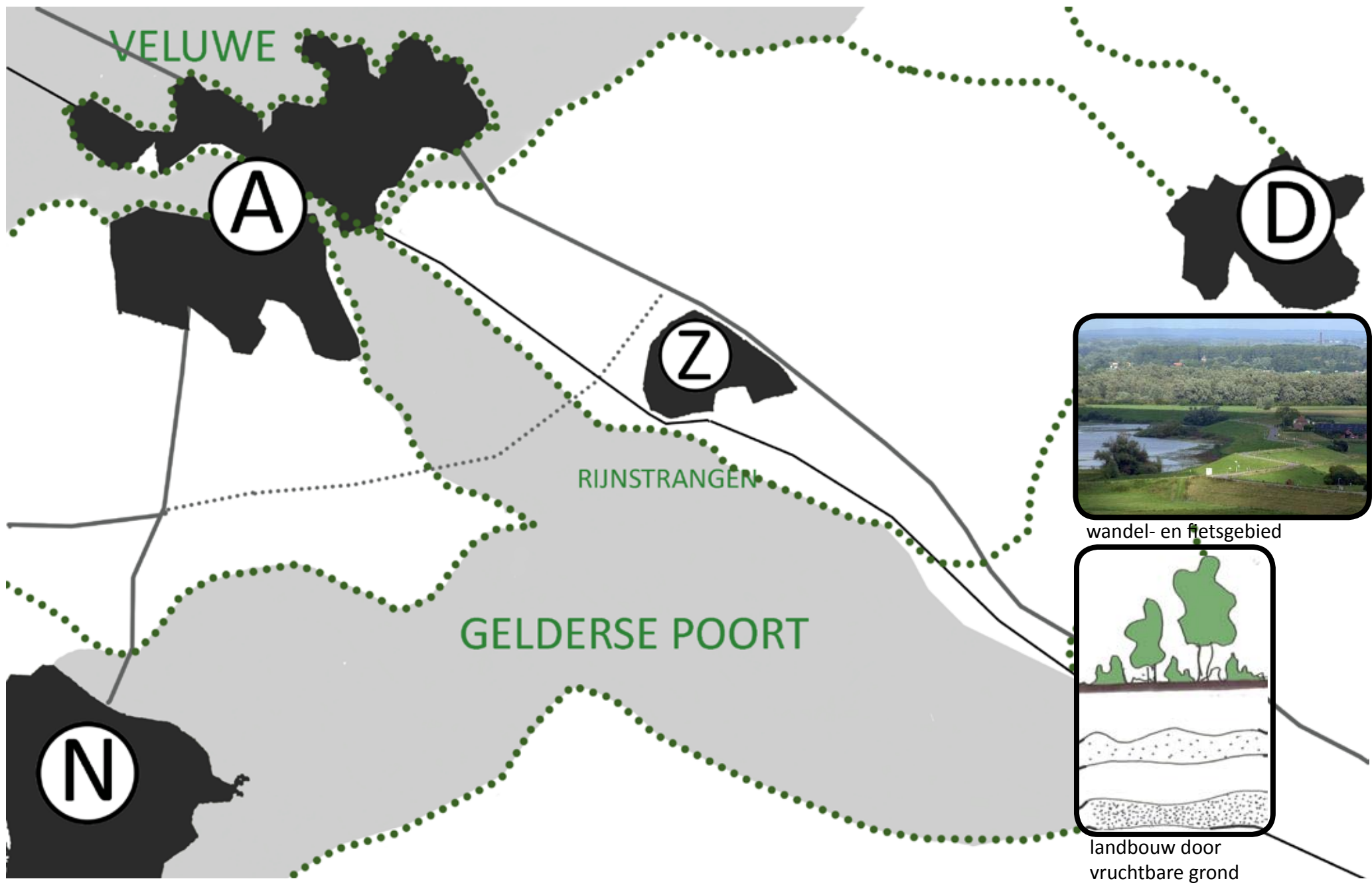
ANALYSE//



HISTORIE VAN DE LIEMERS



ZEVENAAR EN OMGEVING



ONTWIKKELING ZEVENAAR VANAF 1400



landbouw tot aan centrum



1400



1500



1800



zicht op centrum



1900



1950



2010



station 1856

ZEVENAAR



LANDGOED HUYS SEVENAER



LANDGOED HUYS SEVENAER



BAT-TERREIN (British American Tobacco)



ONTWIKKELING BAT-TERREIN (voormalig TURMAC)



1920



1950



1970



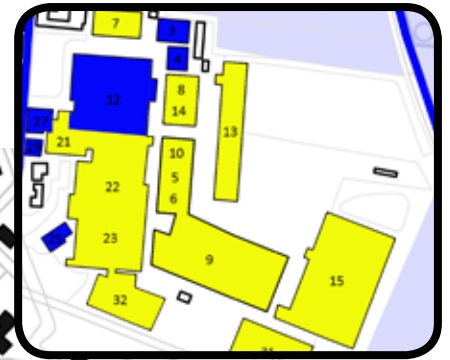
1980



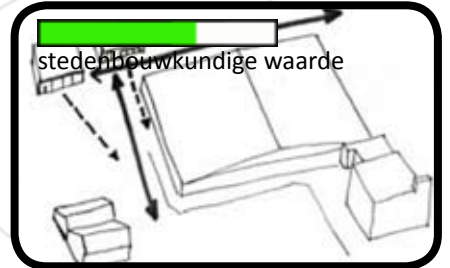
2010



BAT-TERREIN (British American Tobacco)



waardevolle gebouwen BAT terrein



Ensemble hal 3,4,12



Hoofdgebouw BAT terrein



Afgesloten door hekwerk en beplanting

STUYVESANT COLLECTIE



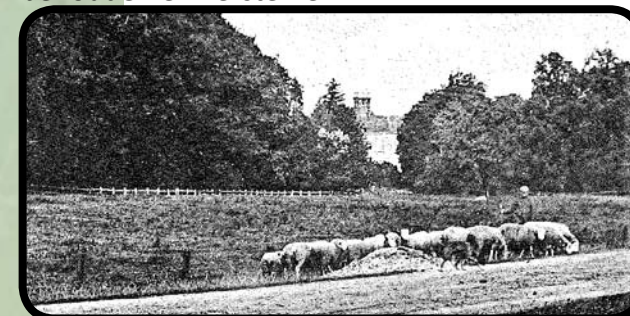
UITGANGSPUNTEN



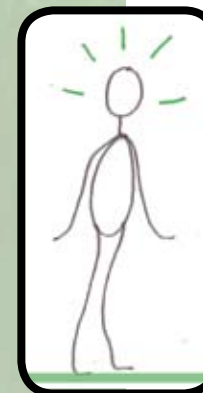
Aansluiting maken tussen BAT terrein en Estate
en het stadscentrum van Zevenaar



Diversiteit landschap, ecologische structuur
behouden en versterken



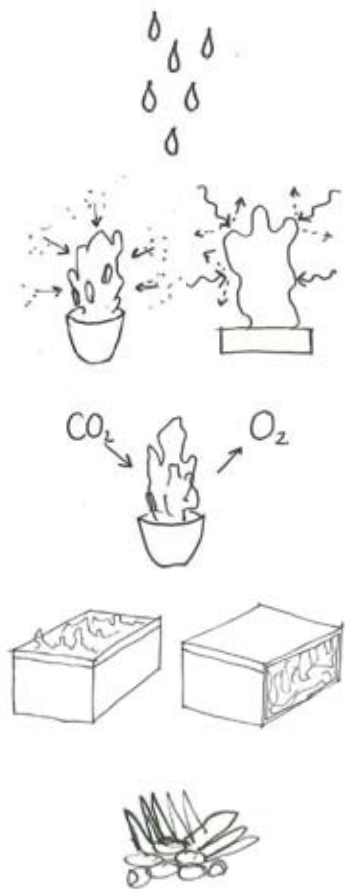
Agrarisch karakter van Zevenaar versterken



Mensen bewust maken
van groene achterland

EFFECTEN GROEN

In een overzichtstabel



EFFECTEN GROEN IN LEEFOMGEVING

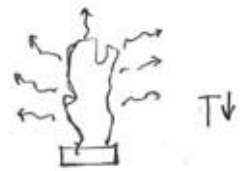
FUNCTIONEEL

- opnemen regenwater
- fijnstof opnemen uit lucht
- absorbeert geluid
- omzetten CO2
- isoleren dak en gevel
- voedsel voorziening

SOCIAAL

- herstel van stress en aandachtsvermoeidheid
- stimuleren van bewegen (fietsen en wandelen, spelen van kinderen)
- ontwikkelen van kind
- persoonlijke ontwikkeling (zingeving)





EFFECTEN GROEN IN GEBOUW

FUNCTIONEEL

- luchtkwaliteit (opname CO₂, stofdeeltjes, beïnvloeden RV)

- thermisch comfort (leveren schaduw, zonwering, ruimtekoeling)

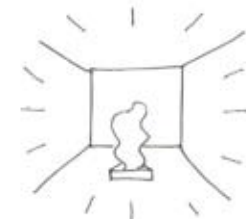
- akoestisch (verminderen nagalm)

SOCIAAL

- stimuleren van productiviteit

- positievere beleving van ruimte

- positieve invloed gezondheid (eerder herstel, minder ziekteverzuim, minder stress, beter voelen in de buurt van planten)



In gebouwen zijn er functionele gunstige effecten, maar deze treden alleen op onder speciale omstandigheden, zijn afhankelijk van de soort planten en moeten hierdoor niet worden overschat

VERBINDEN GROEN EN LEEFOMGEVING

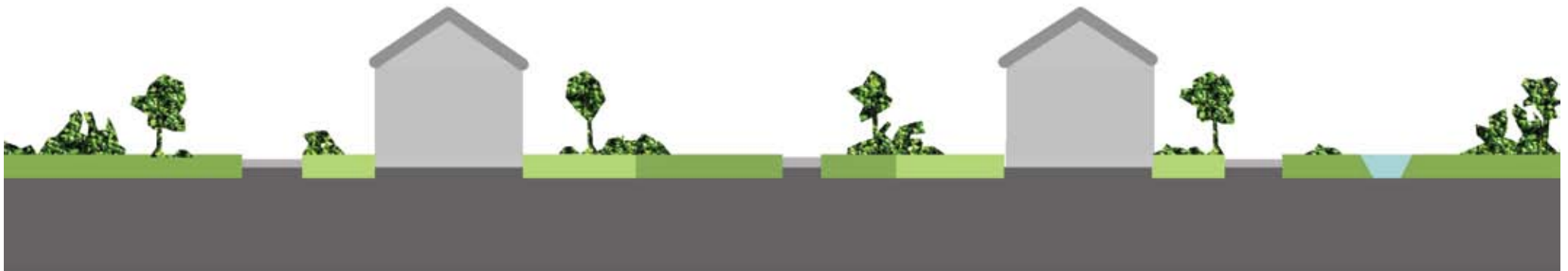


GWL terrein Amsterdam



EVA Lanxmeer Culemborg

ZACHTE OVERGANGEN



pad



water

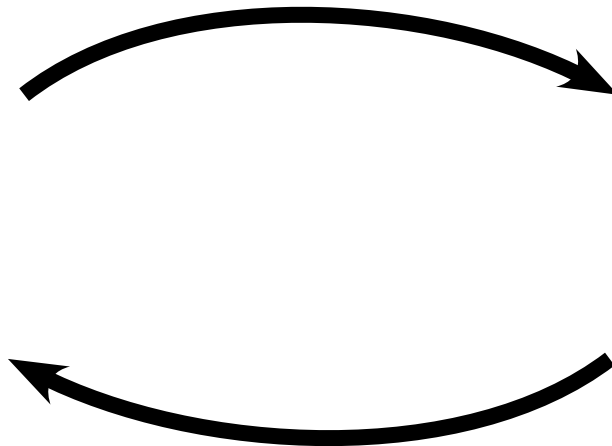


lage heg



groene border

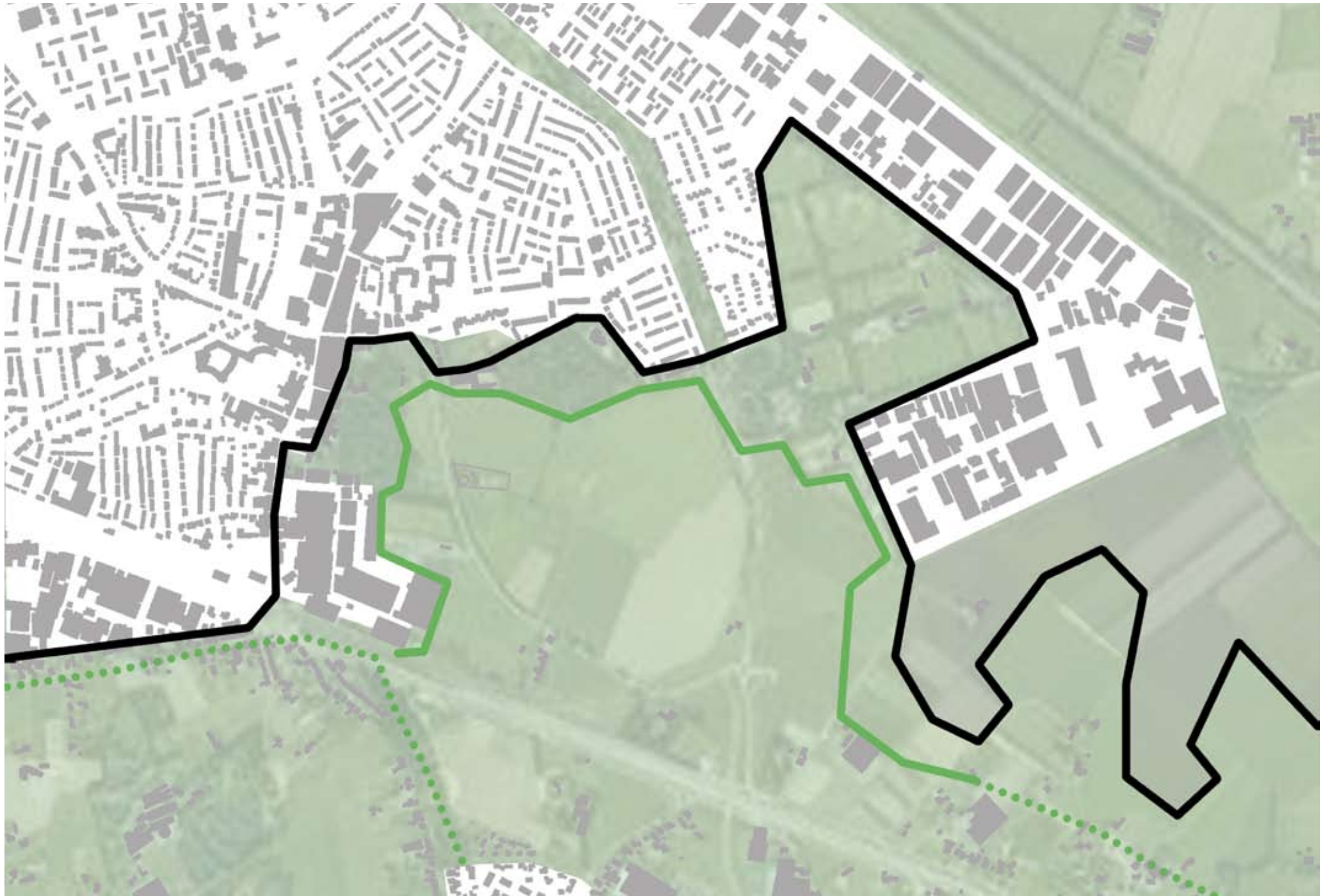
GROEN FUNCTIE GEVEN



pluktuin // moestuin // kruidentuin

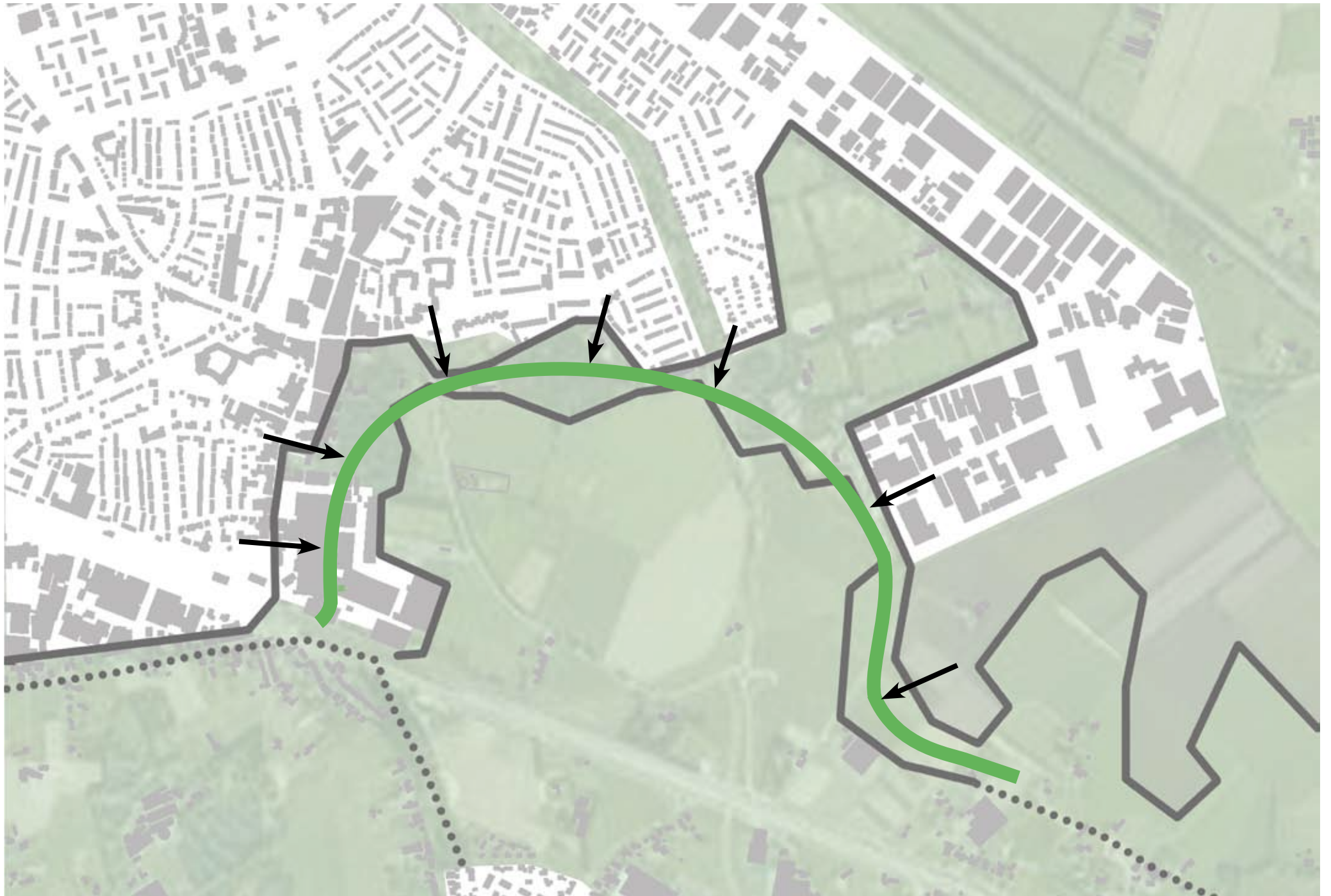
MASTERPLAN//







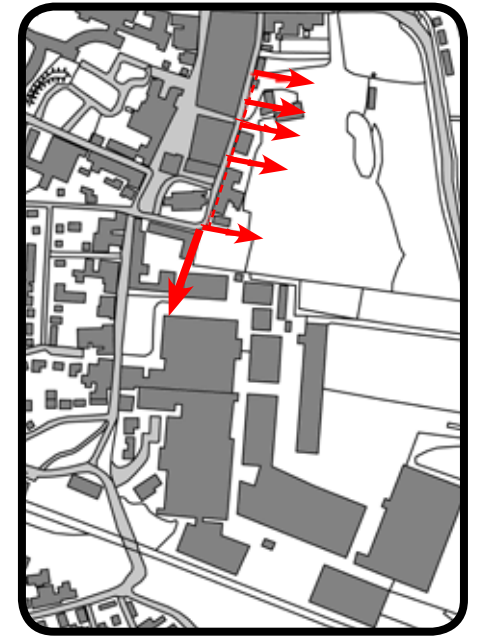








Weg te halen gebouwen



Doorbreken muur en verlengen
Wittenburgstraat



Centrumfunctie Kerkstraat verlen-
gen naar station toe



Nieuwe bebouwing



Boerderij

Stagaire woningen

Stal

Infocentrum

Theehuis

Woon/werk

Biologisch restaurant

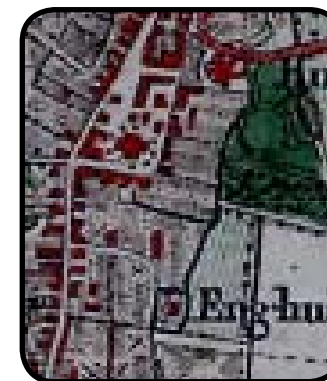
Bio-markt

Bibliotheek

Museum

Hotel

Woningen



gracht en
moestuinen



open zicht op
landgoed en stad



park huize
mathena

FUNCTIES GROEN



AGRARISCH

fruitboomgaard
weiland
coulissenlandschap



EDUCATIEF

pluktuin



SOCIAAL

kruidentuin
moestuinen

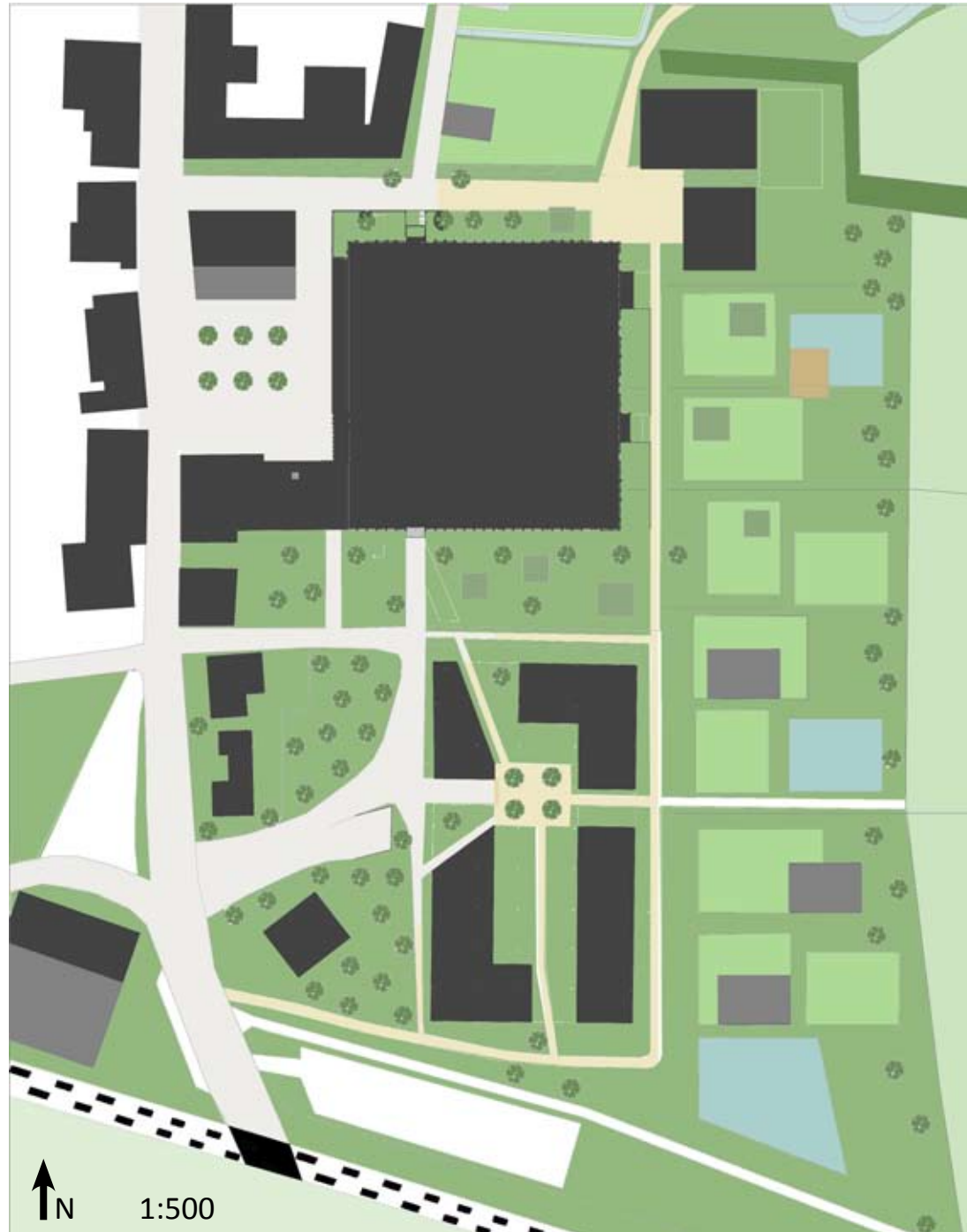


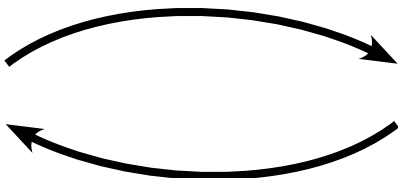
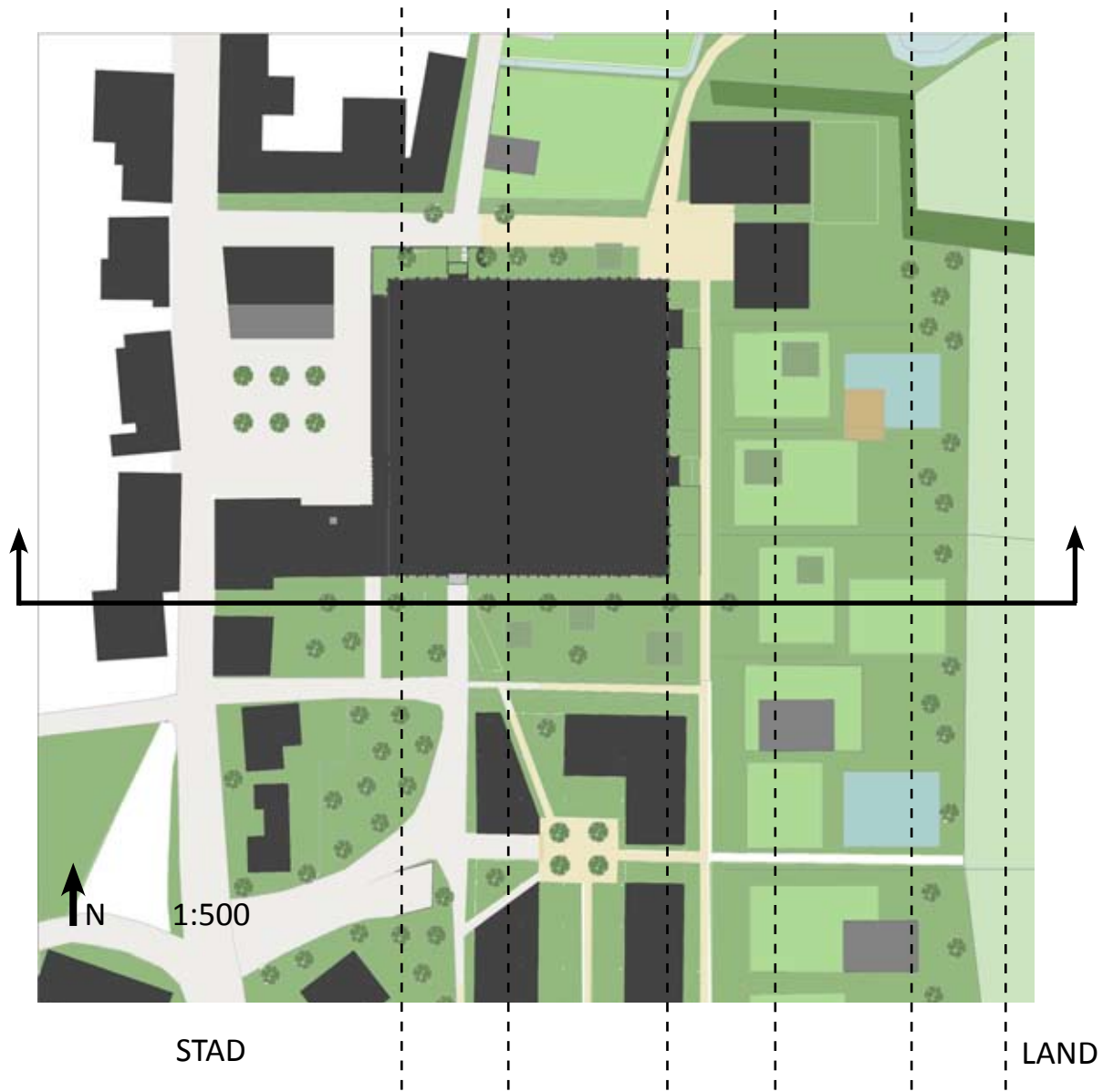
RECREATIEF

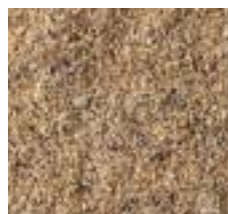
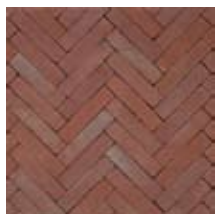
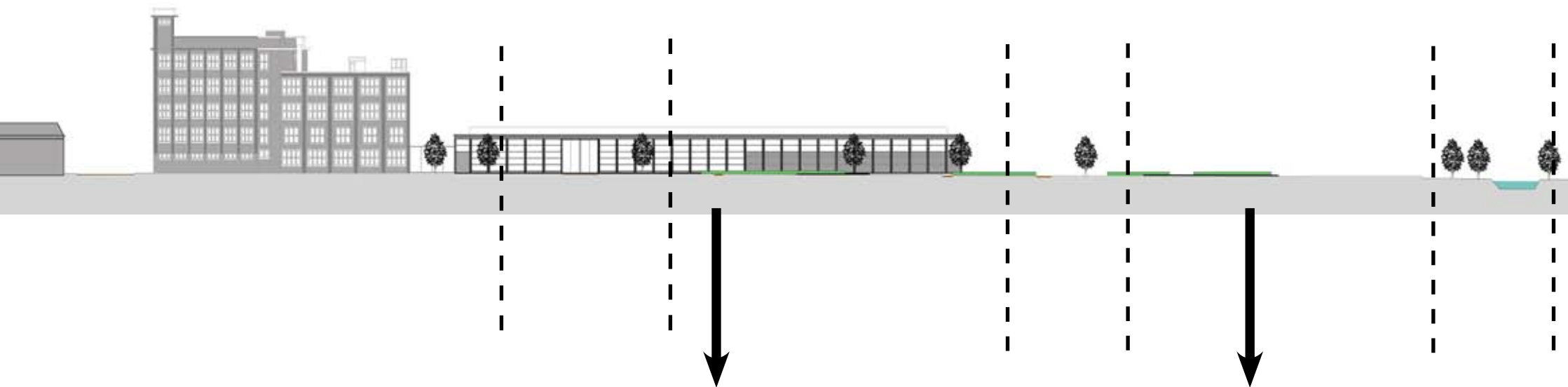
park
speeltuin



Mogelijkheid aansluiting ecologische hoofdstructuur



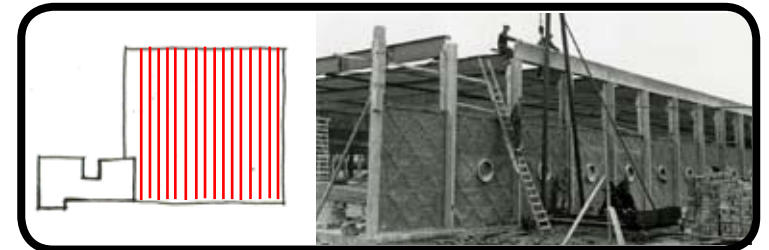




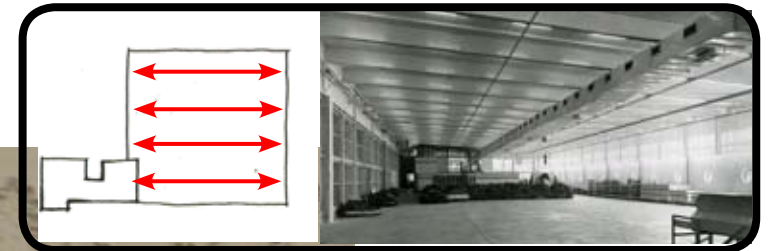
ONTWERP HAL 12//

HAL 12

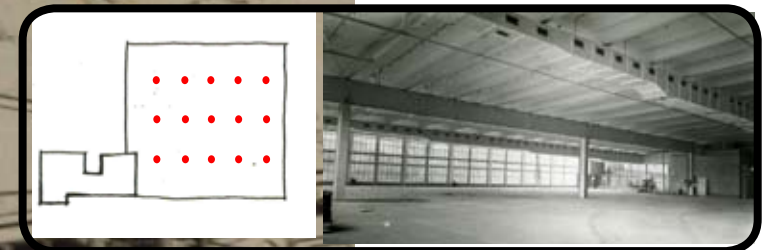
door ZWAAGSTRA EN VAN DER ERVE ARCHITECTEN, 1946



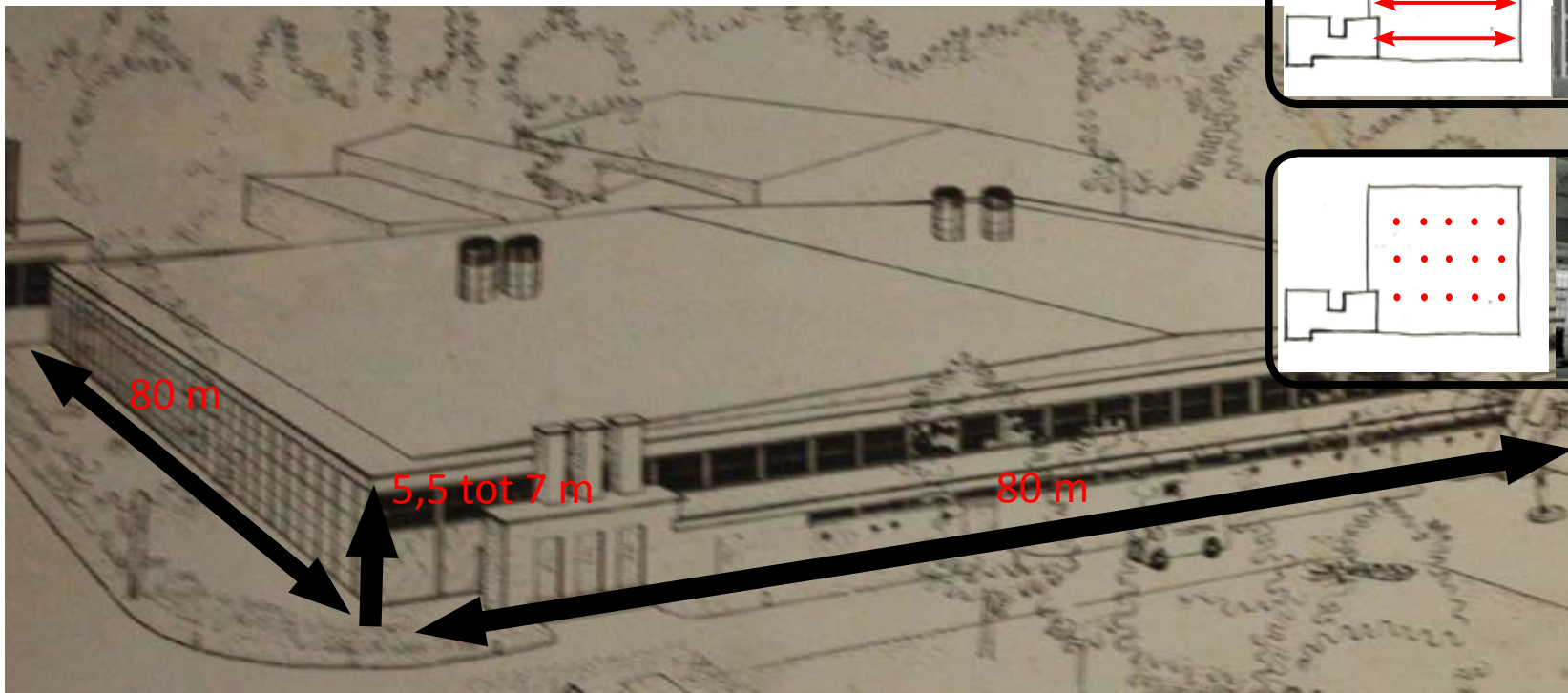
Ritme van 2.9 meter



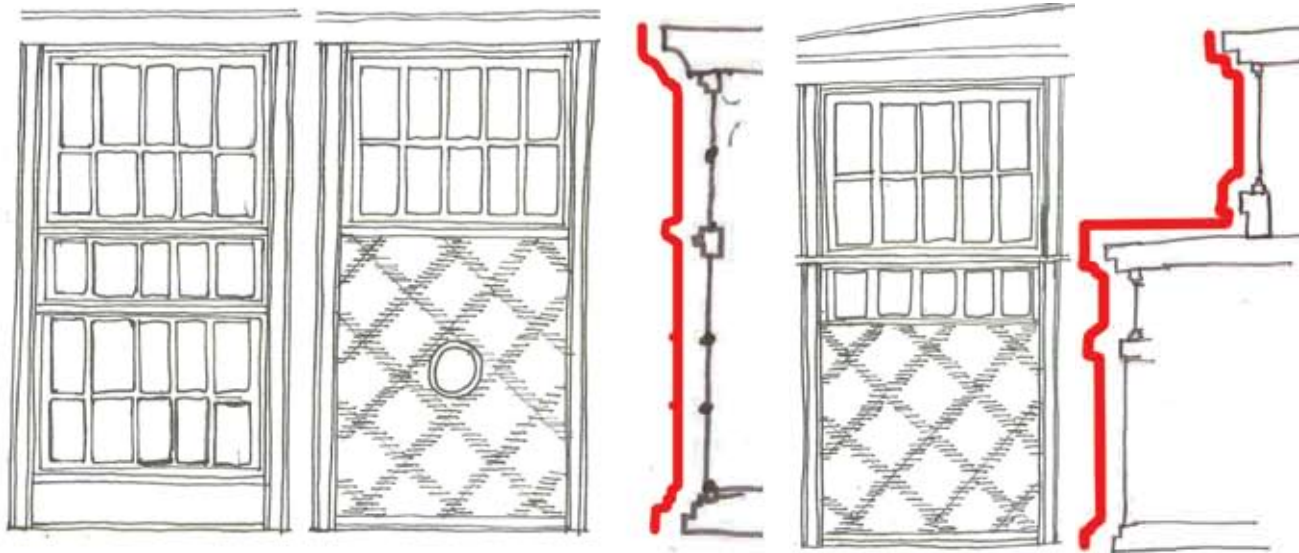
4 traveen



Open plattegrond



HAL 12



Verfijning en detaillering gevels

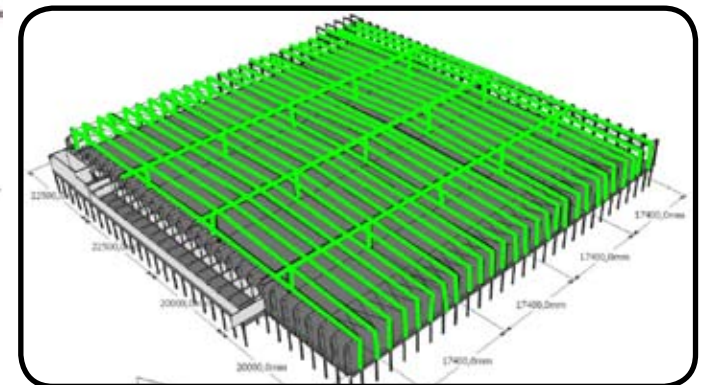


Westgevel

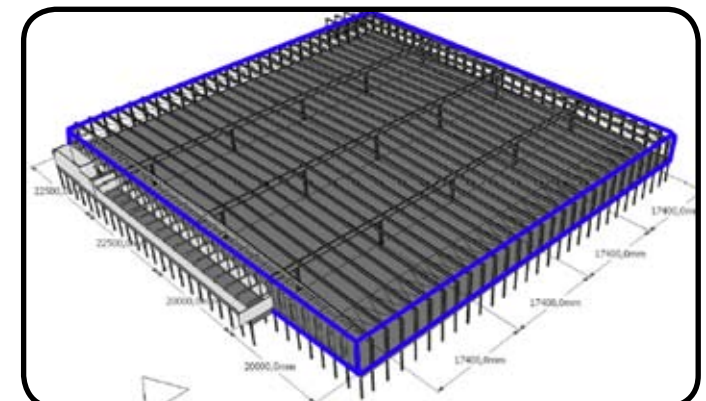
Ritme constructie in gevels



Noordgevel

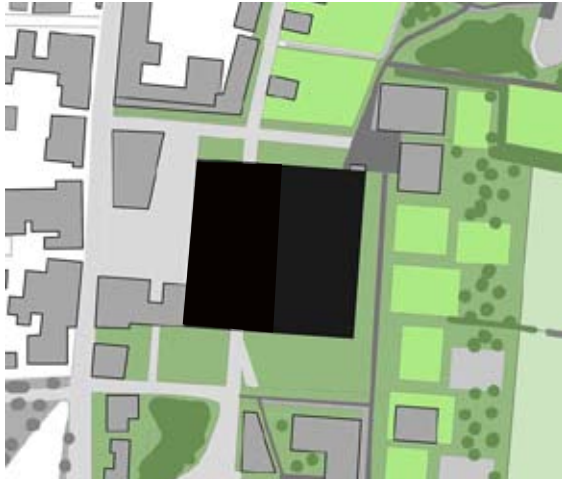


Stalen constructie

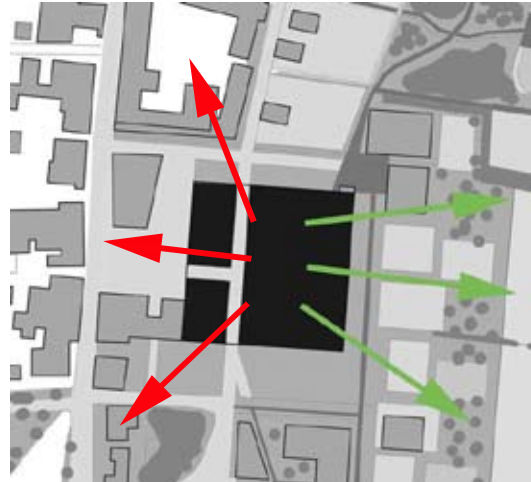


Contouren van het gebouw

UITGANGSPUNTEN ONTWERP HAL 12



groen functioneel laten zijn voor gebouw



gebouw aansluiting bij zijn
landschappelijke omgeving en aansluiten
bij stadscentrum

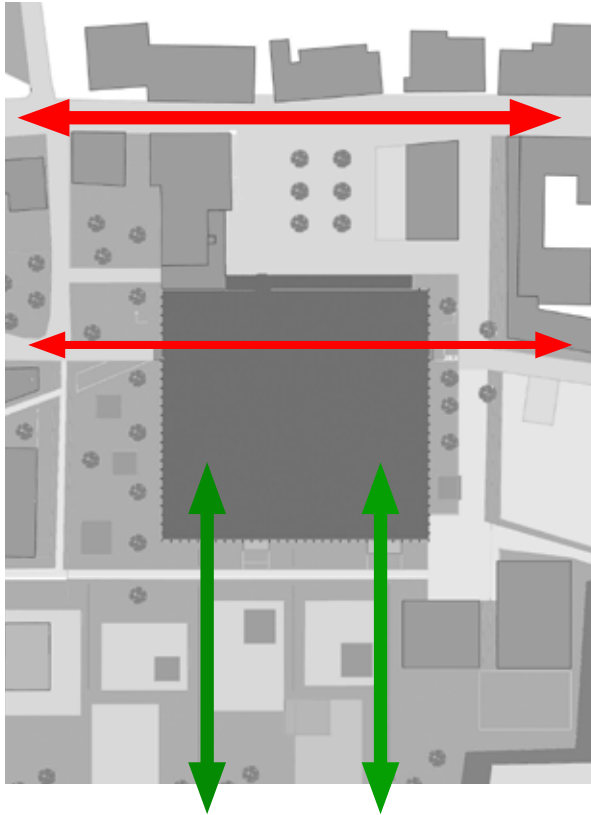


karakter gebouw behouden: contouren,
uitstraling en verfijning gevels

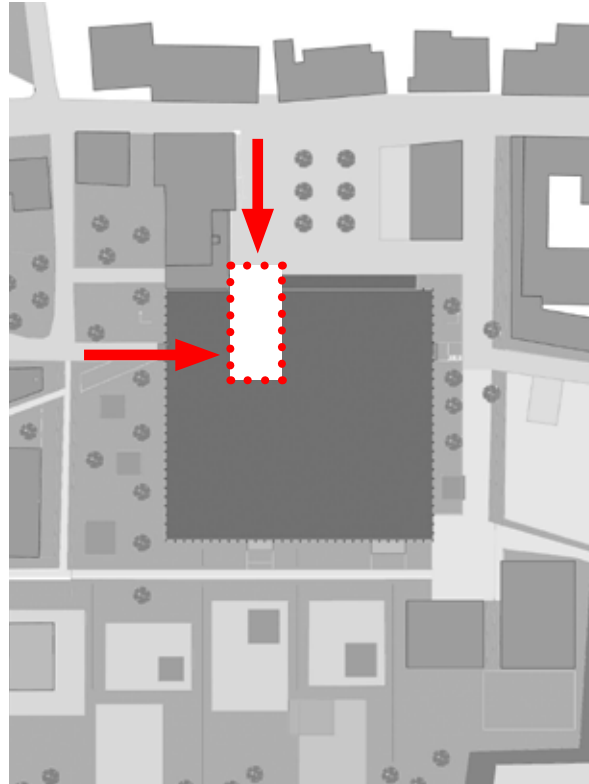


ruimtelijkheid behouden, maar verfijnen
naar menselijke maat

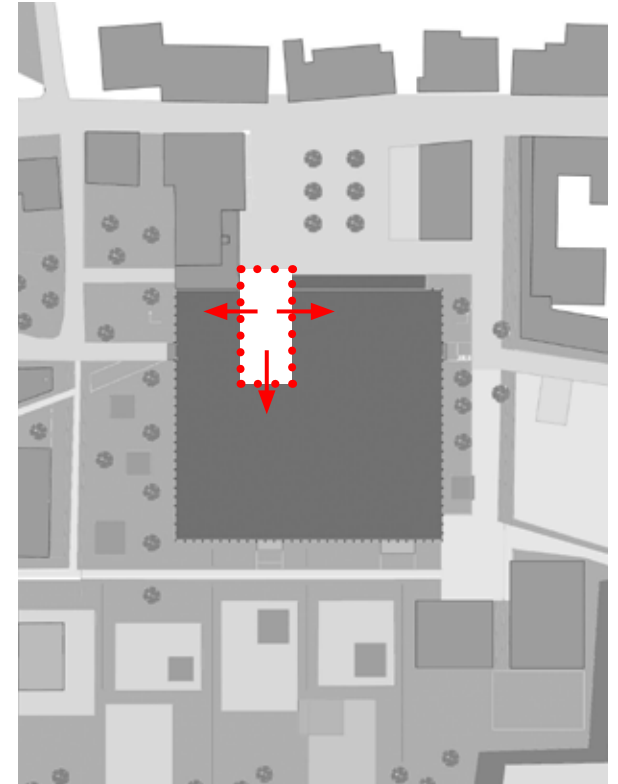
OPZET ONTWERP



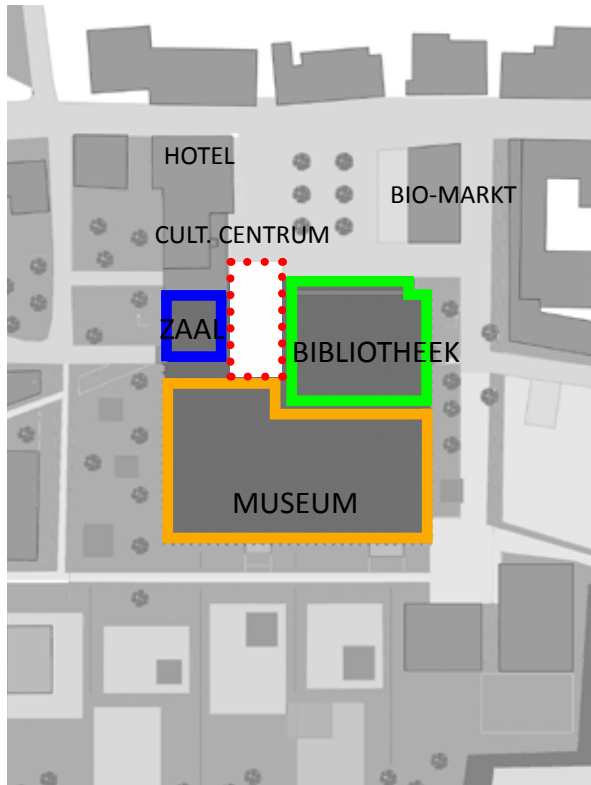
richting stad, richting landschap



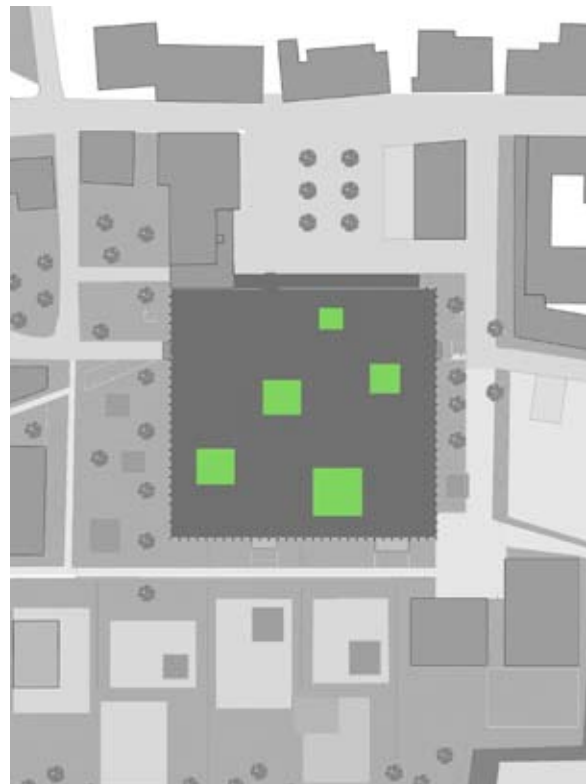
entrees gebouw, plaats atrium



vanuit atrium entrees functies



functieverdeling

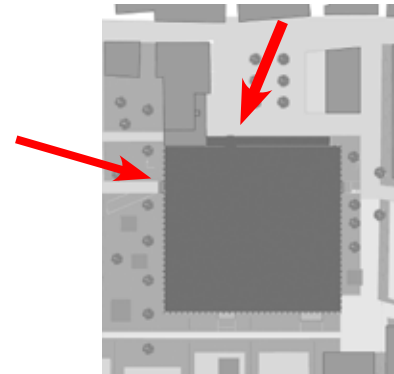


patios en binnentuinen, gradatie
naar landschap



aansluiting met landschap

BENADERINGSROUTES

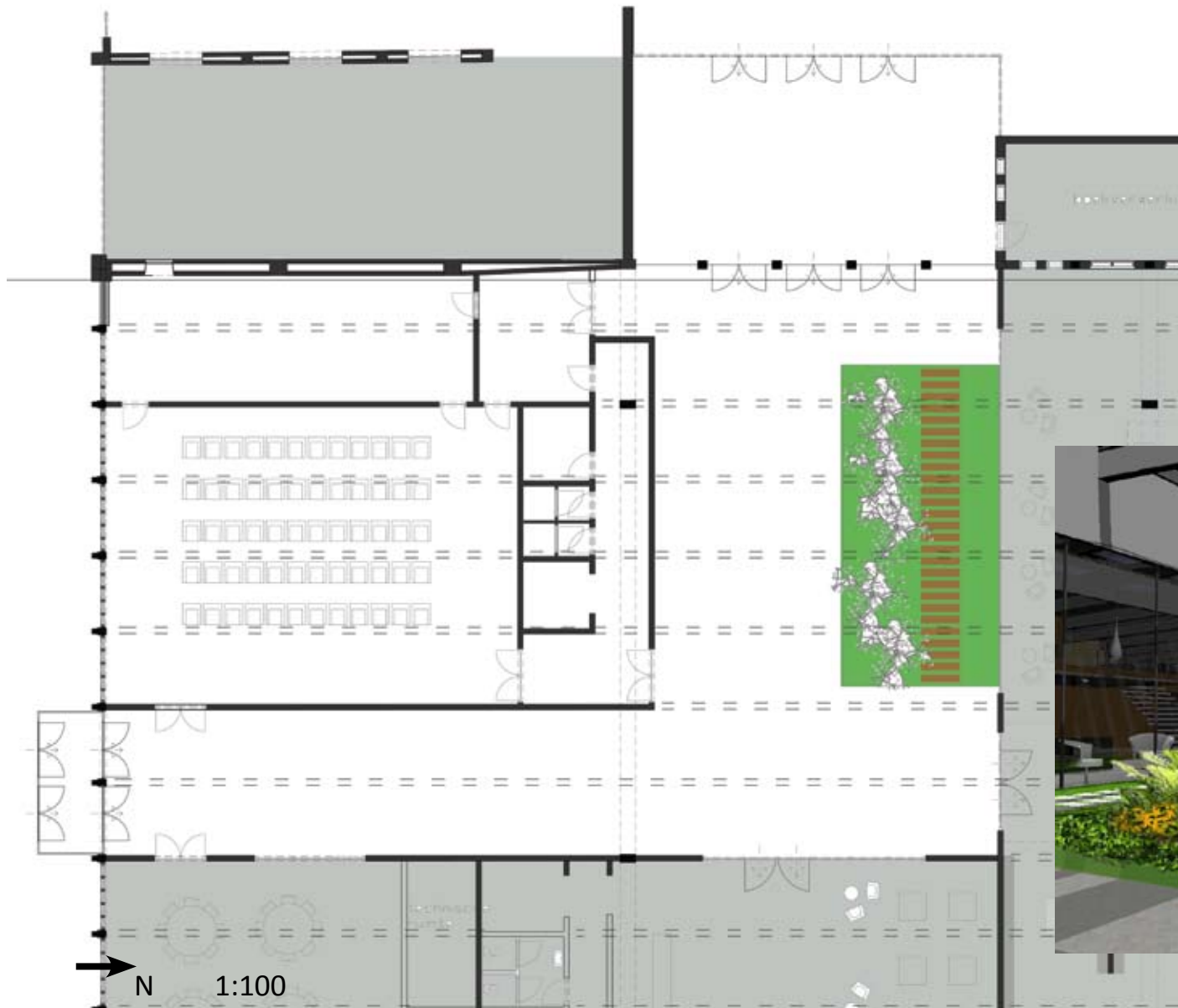


Westgevel, vanaf de kerkstraat

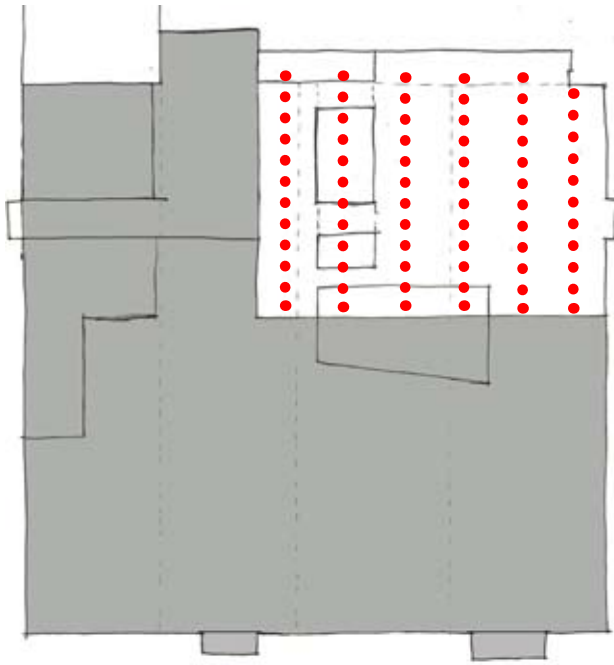


Zuidgevel, vanaf het station

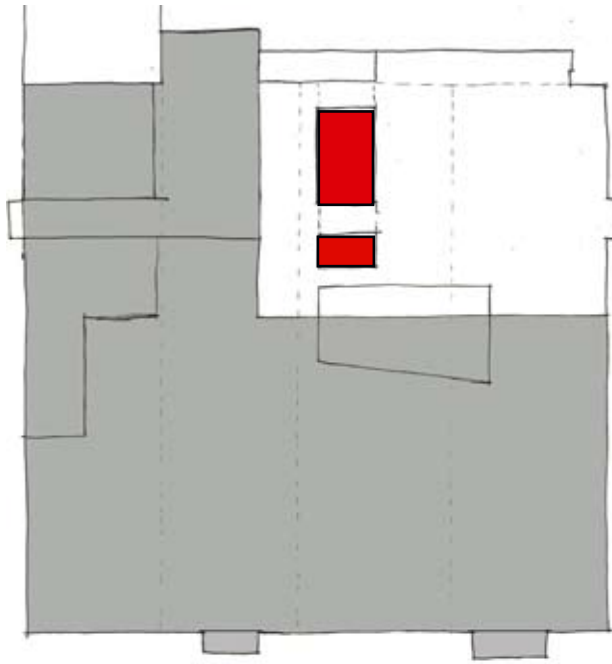
ATRIUM EN ZAAL



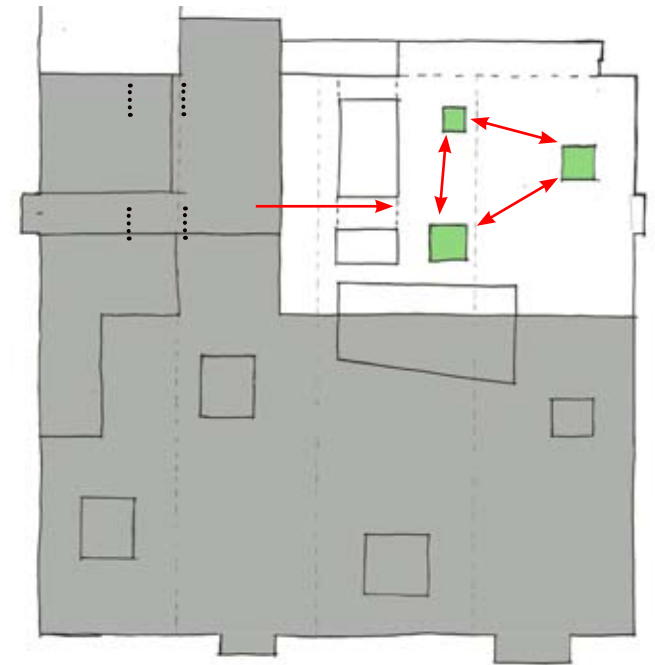
BIBLIOTHEEK



structuur 3 traveen: 8,7m

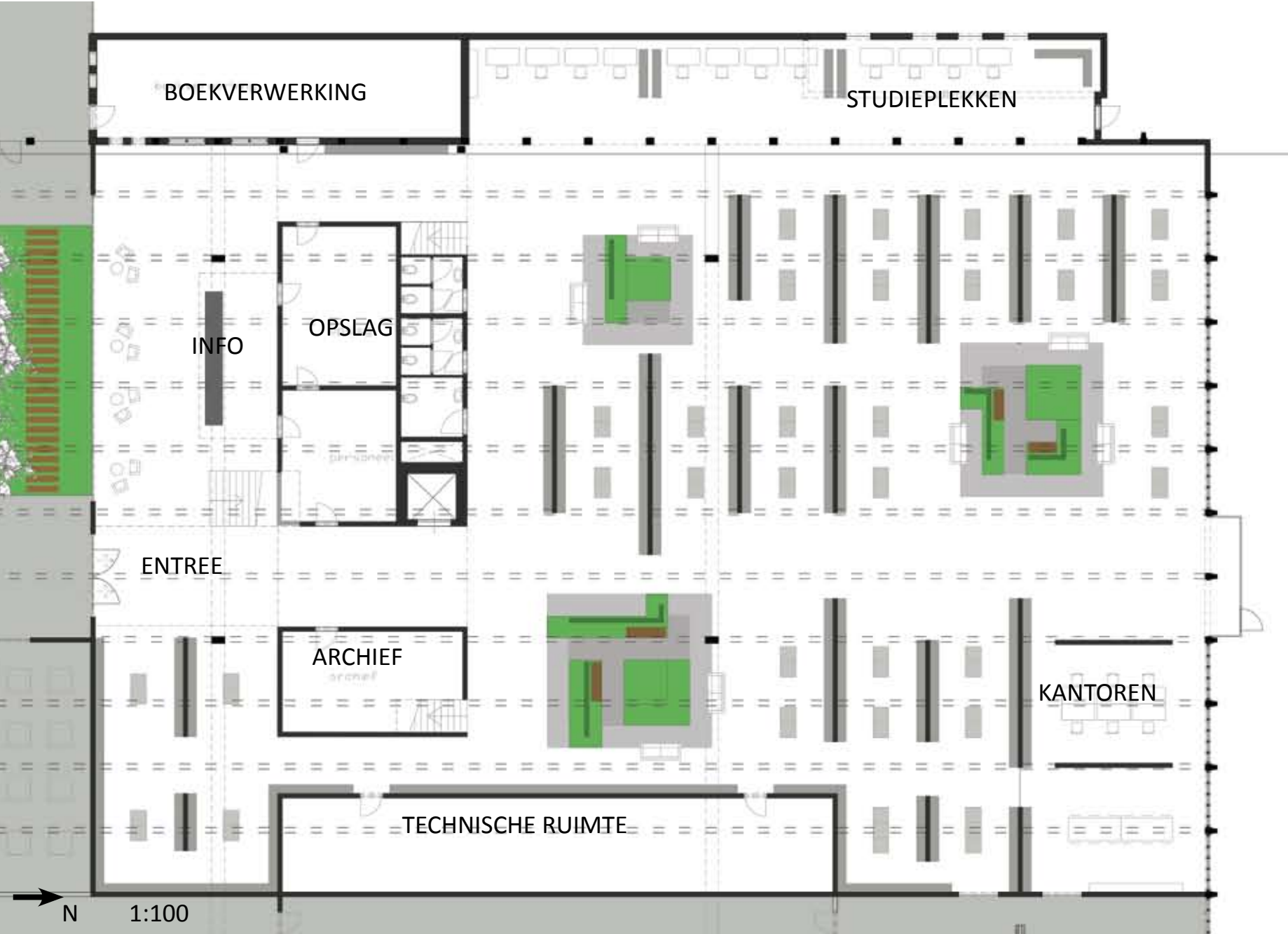


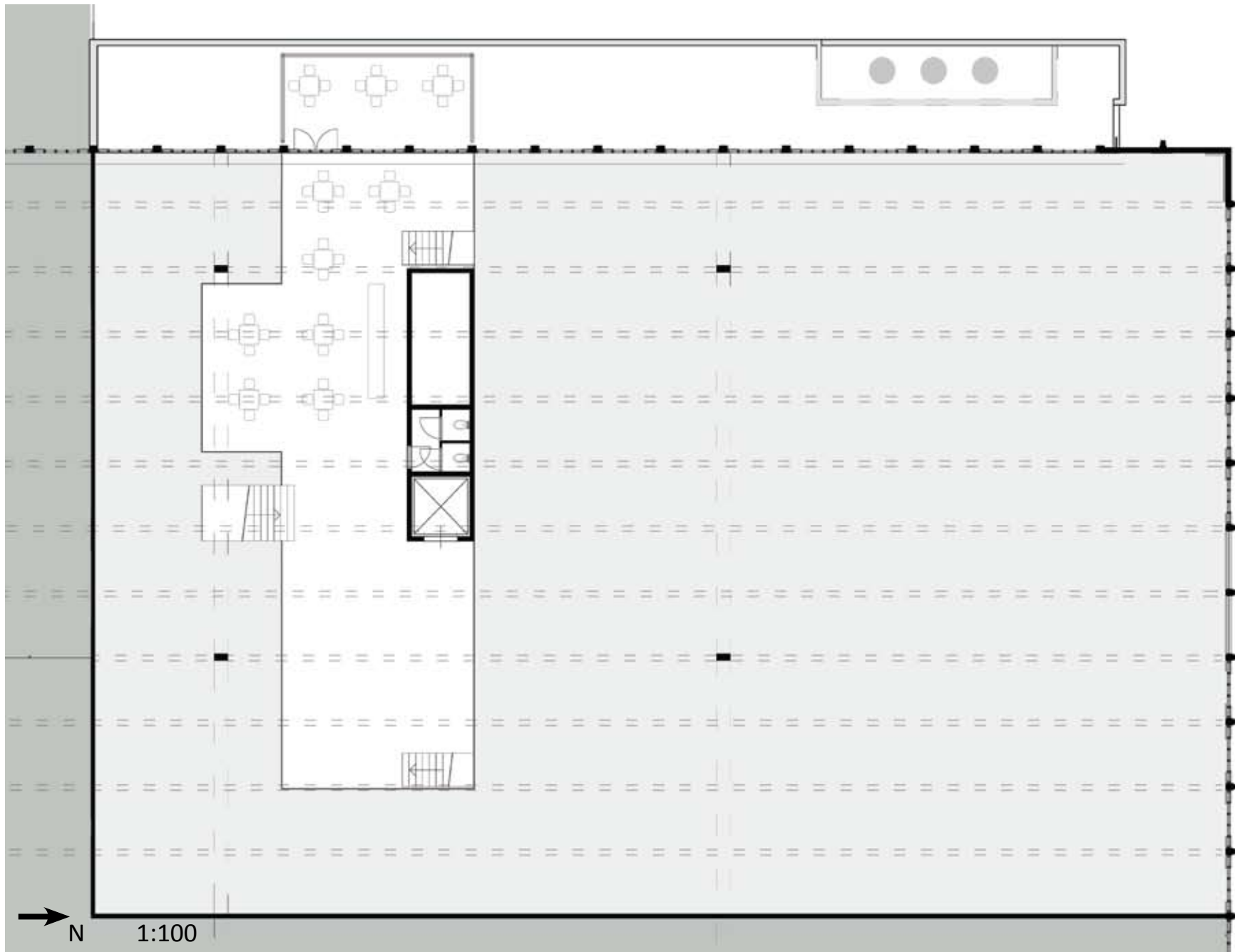
blok met functies in midden



zichtlijnen van binnentuin naar binnentuin

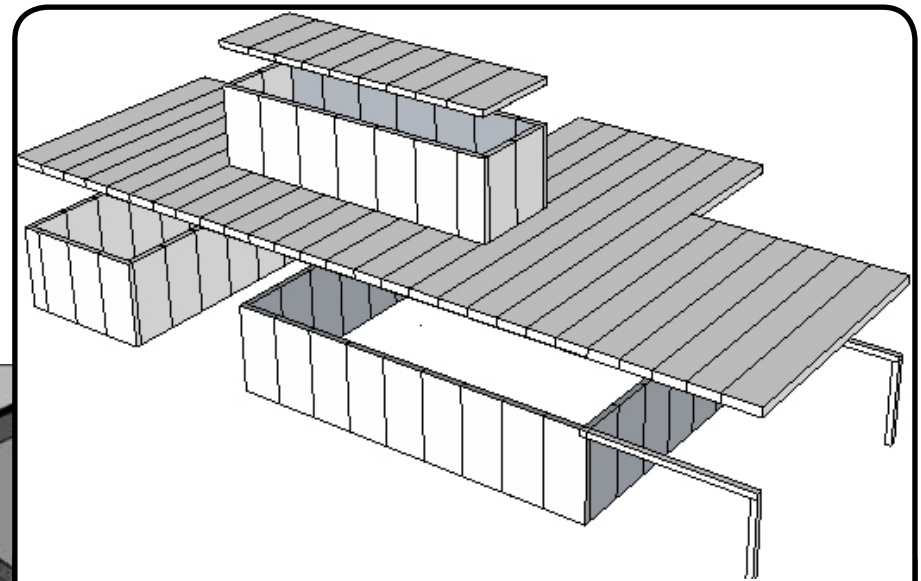
BIBLIOTHEEK PLATTEGROND 1/100





FUNCTIONEEL BLOK BIBLIOTHEEK



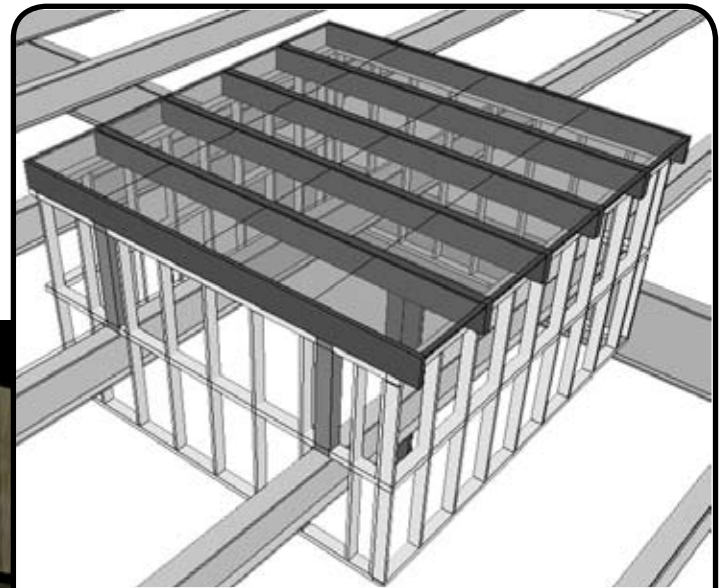


Wanden van Lenotec: massief dragend, 200mm, 1200 breed
Vloer van Lignatur: kanaalplaten 300mm, 1000mm breed

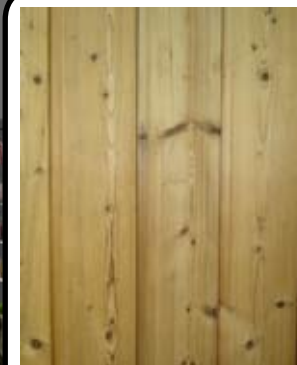


LEESTUIN BIBLIOTHEEK





Houten stijlen, regels en lateien
houten gevelbekleding (thermowood)
glazen bovenlichten HR++ in stalen frame



Thermowood



Albizia



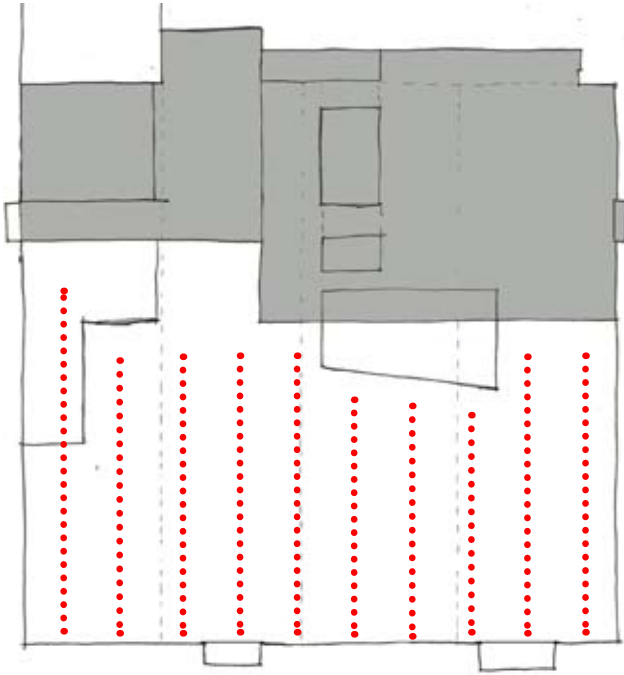
Leisteen



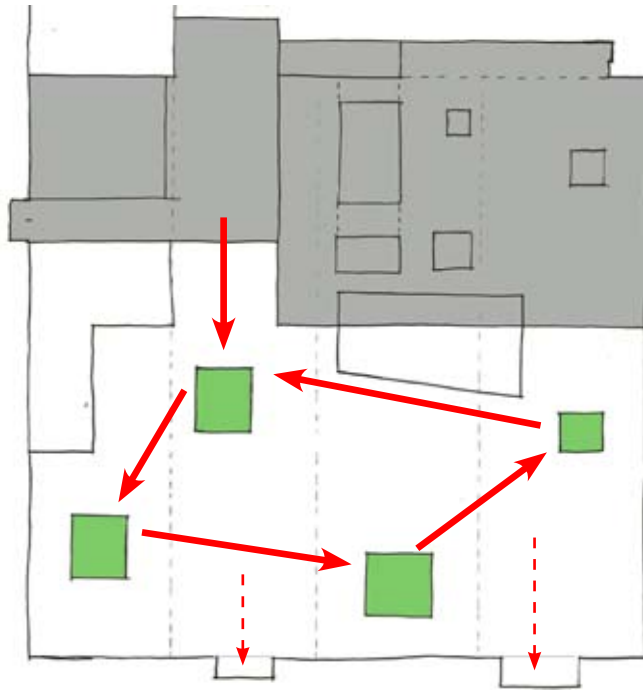
Pittosporum



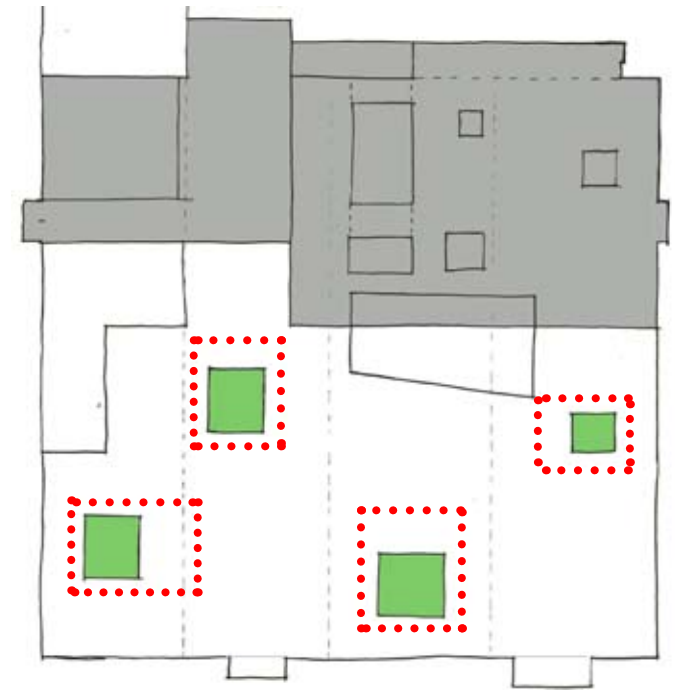
MUSEUM



structuur 3 traveen: 8,7m

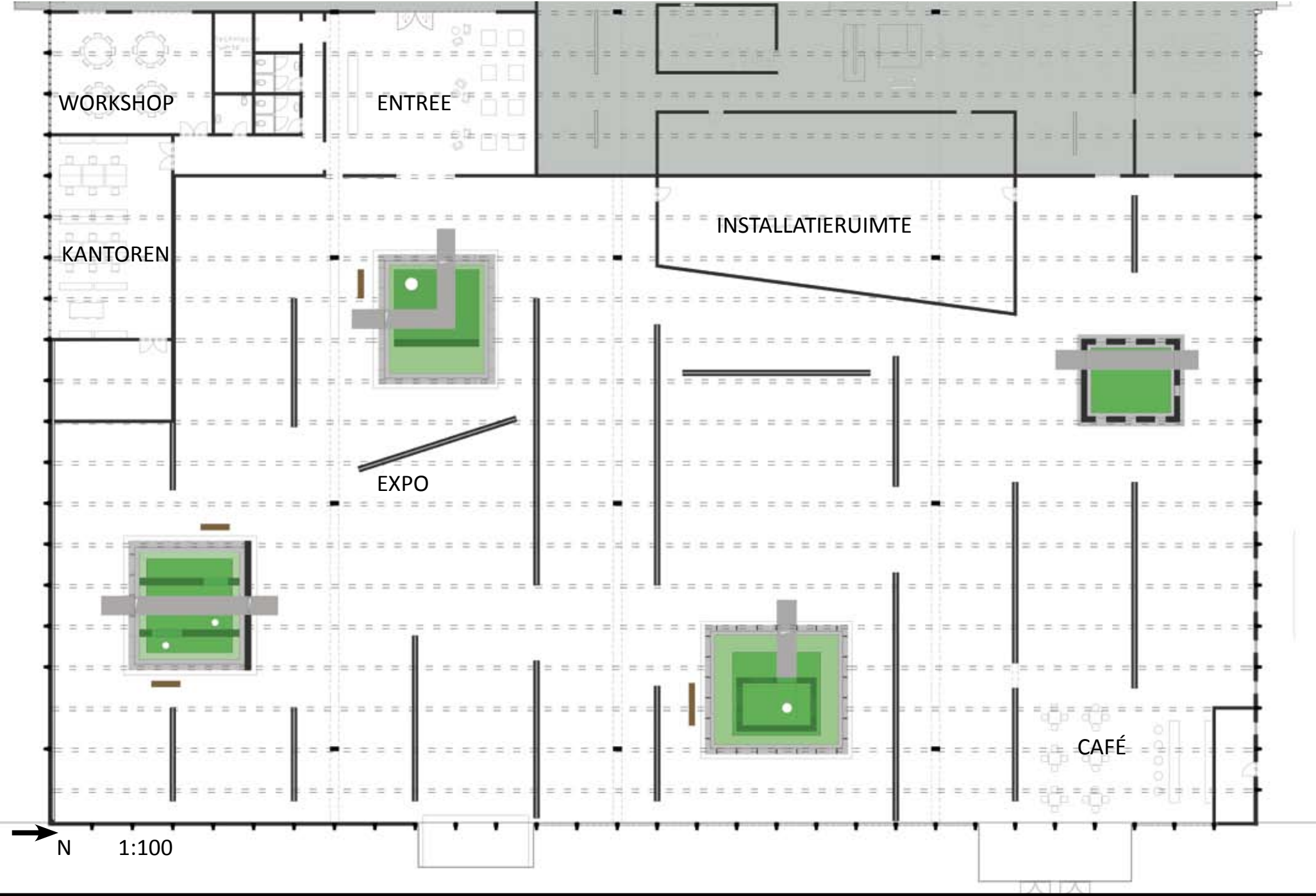


hoofdroute van patio naar patio

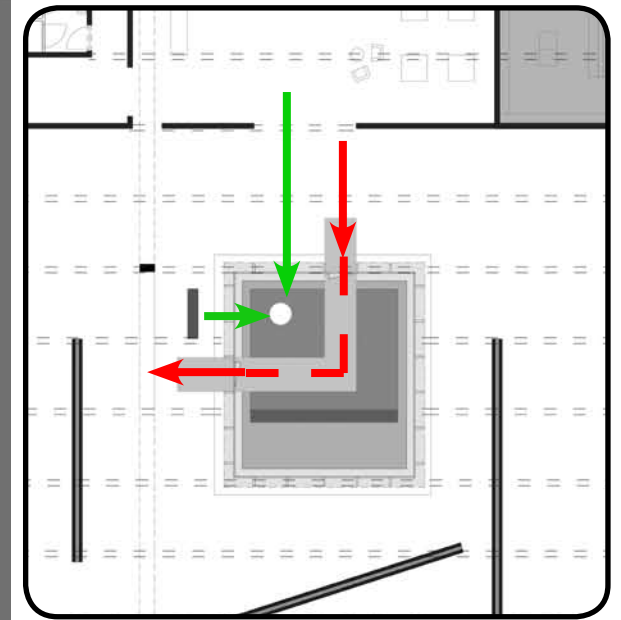
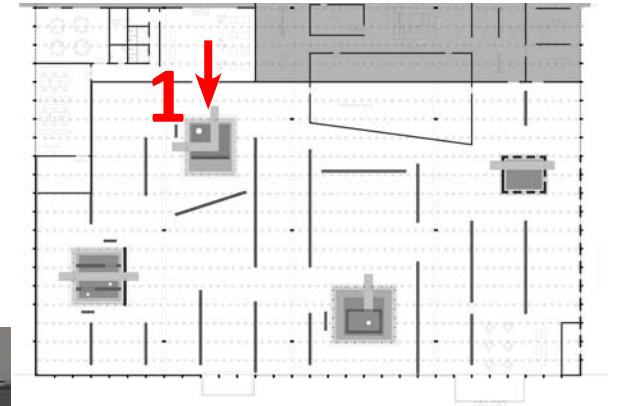


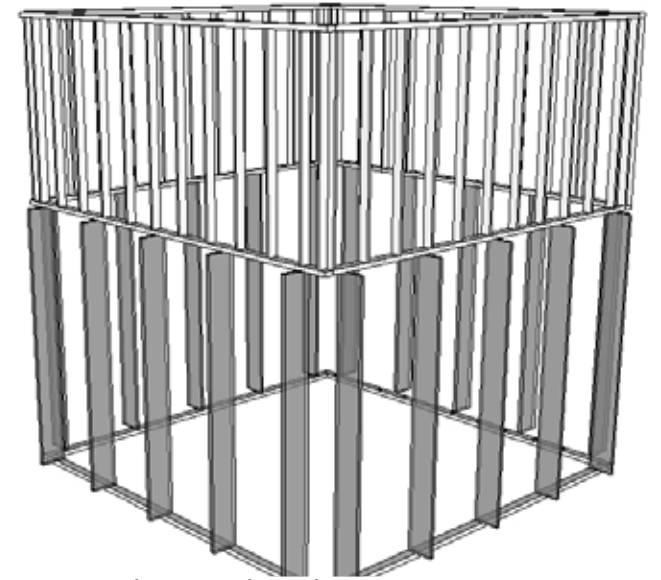
ruimte om patio heen

PLATTEGROND



PATIO 1



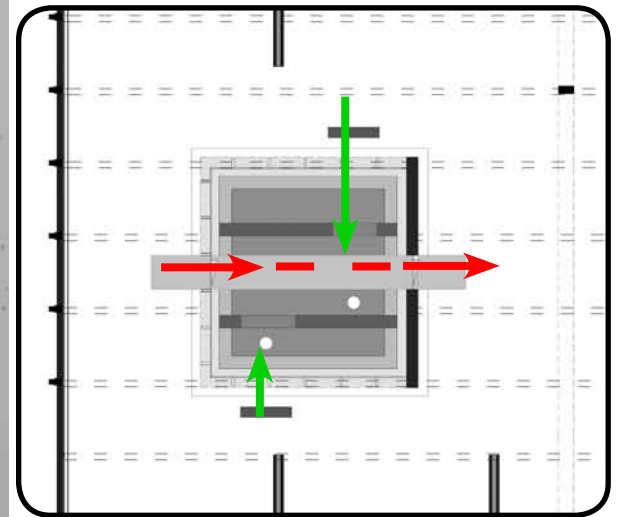
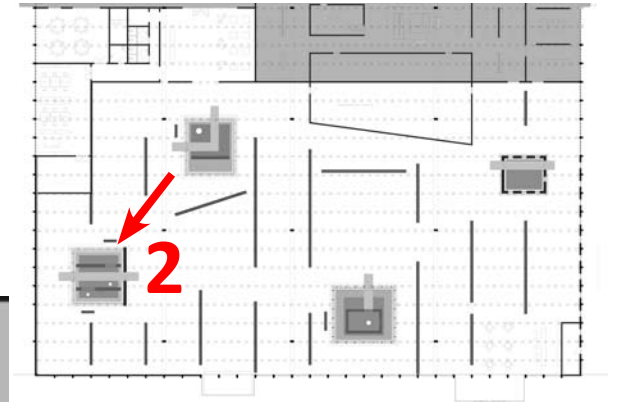


Houten stijlen, regels en lateien
houten gevelbekleding (thermowood)

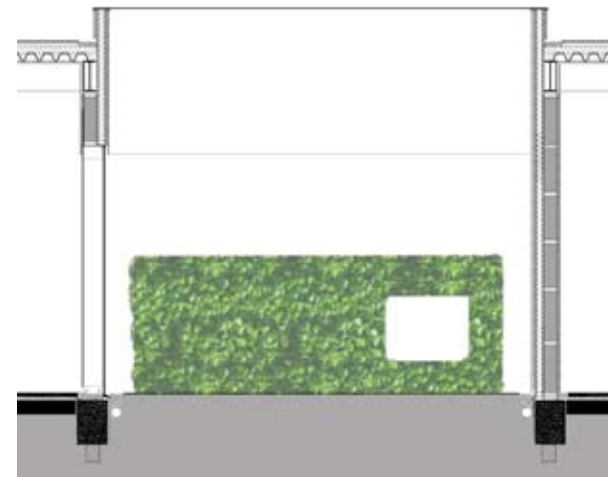
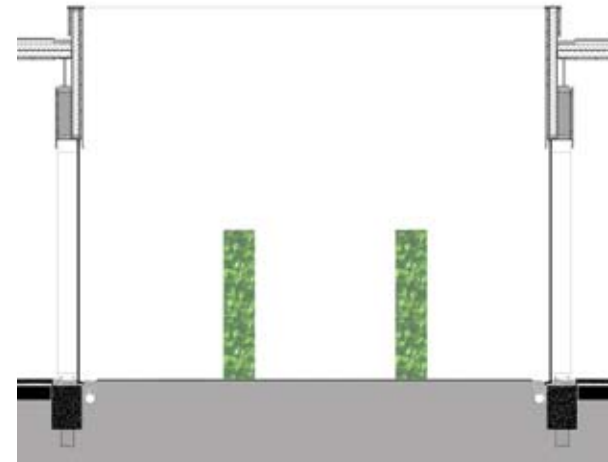
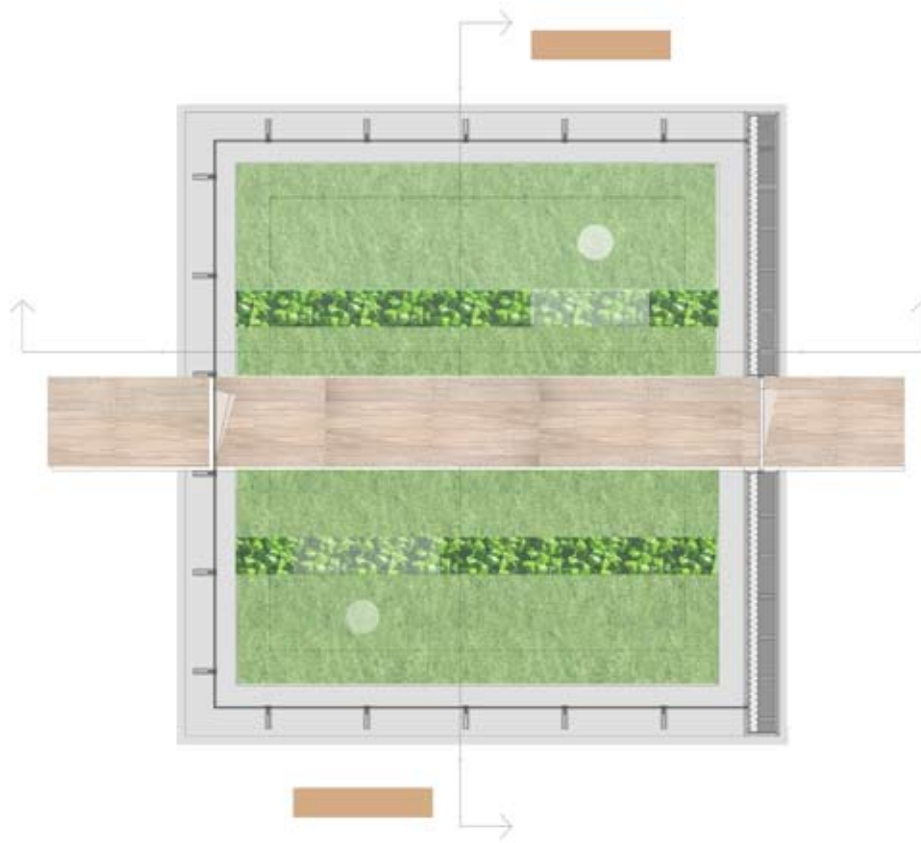
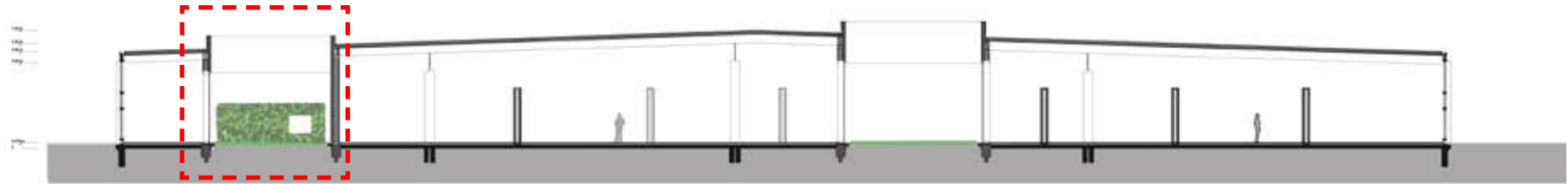
Dragend glas HR++
Glazen kolommen in stalen beugels, 3-laags
300mm



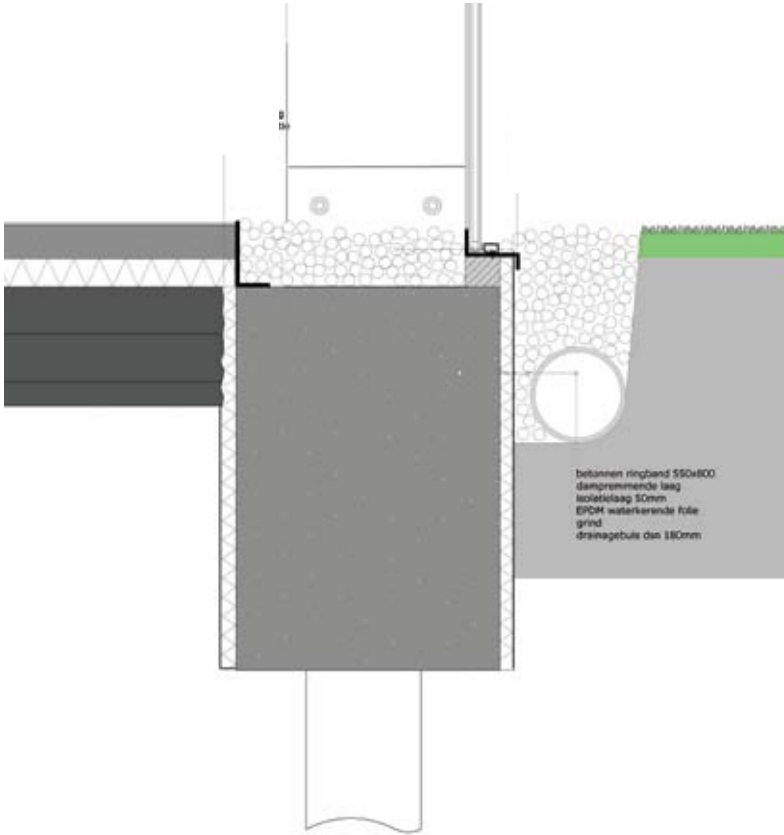
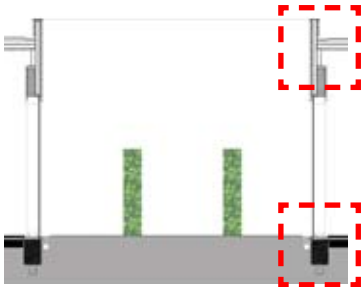
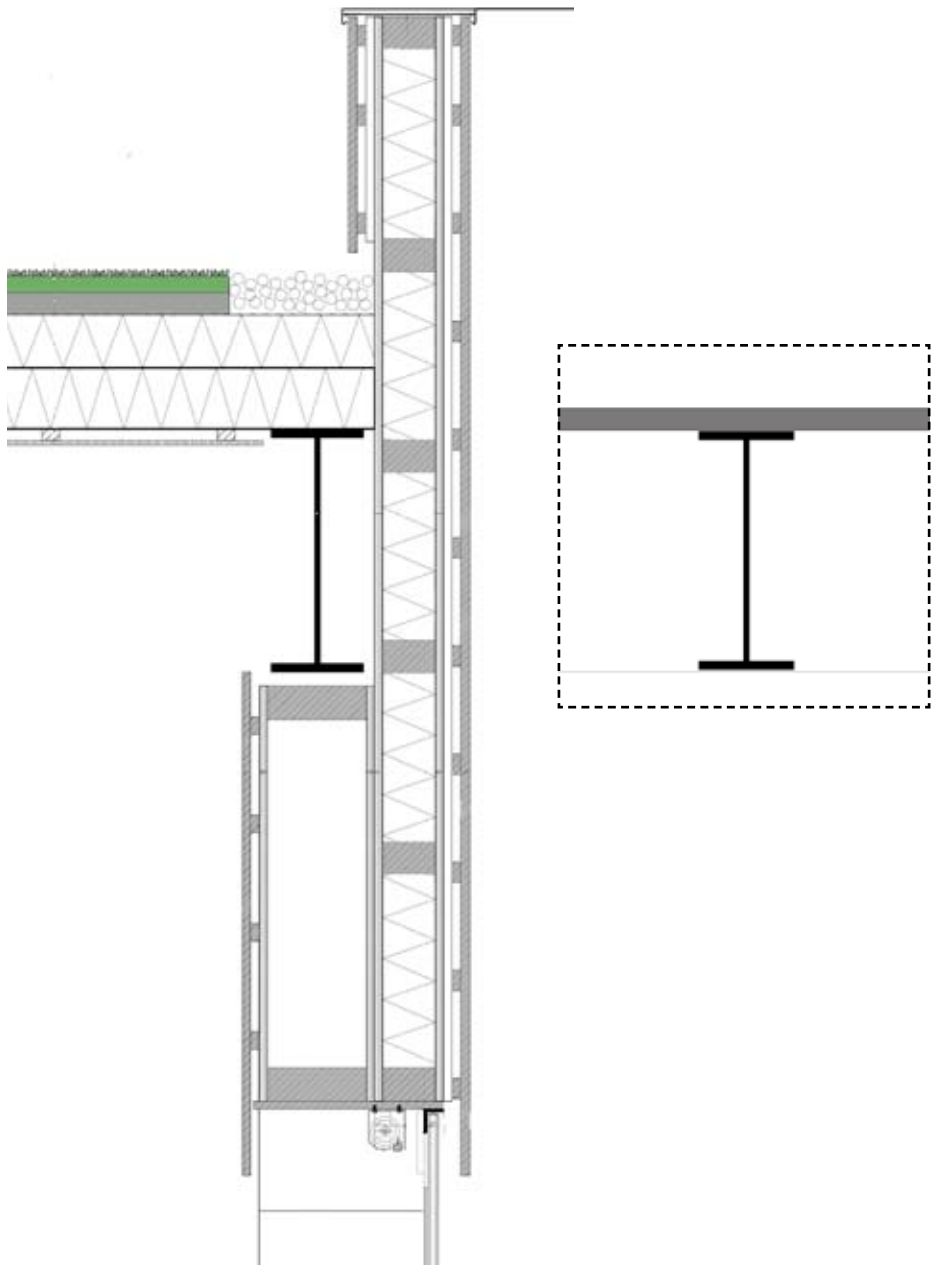
PATIO 2

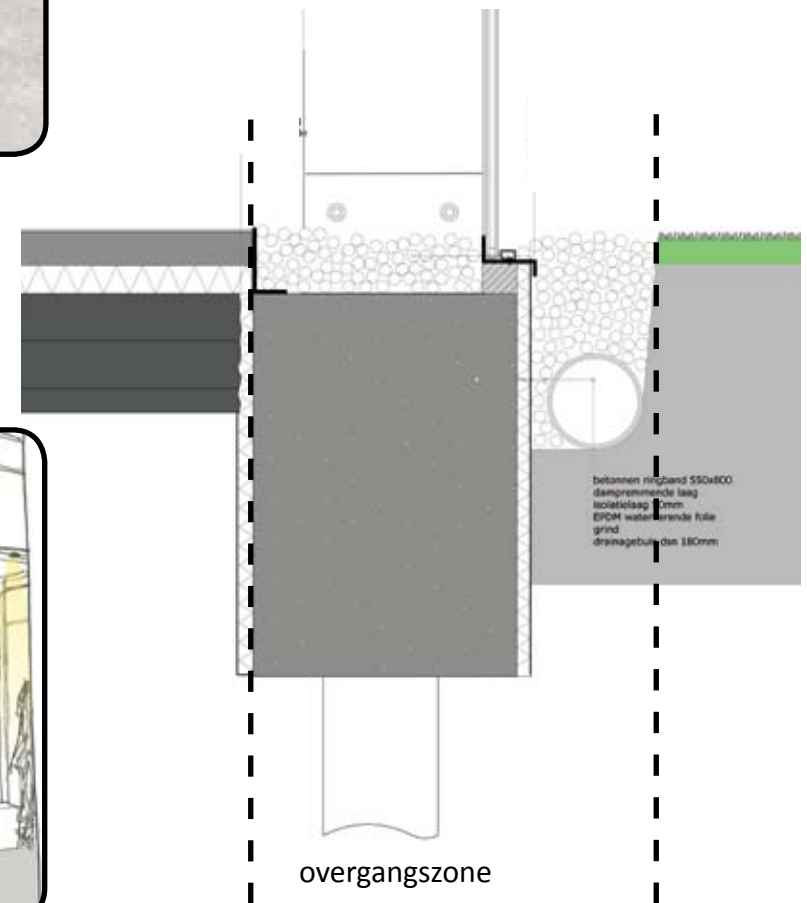
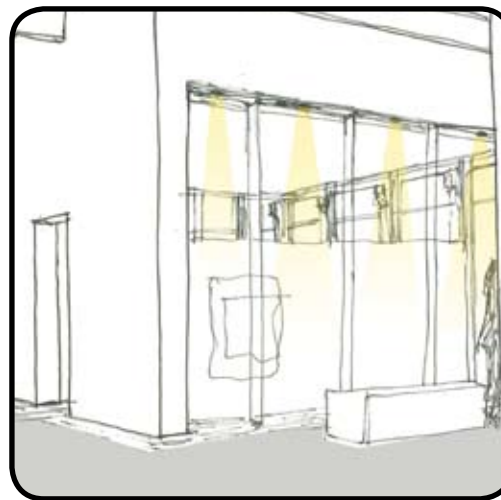
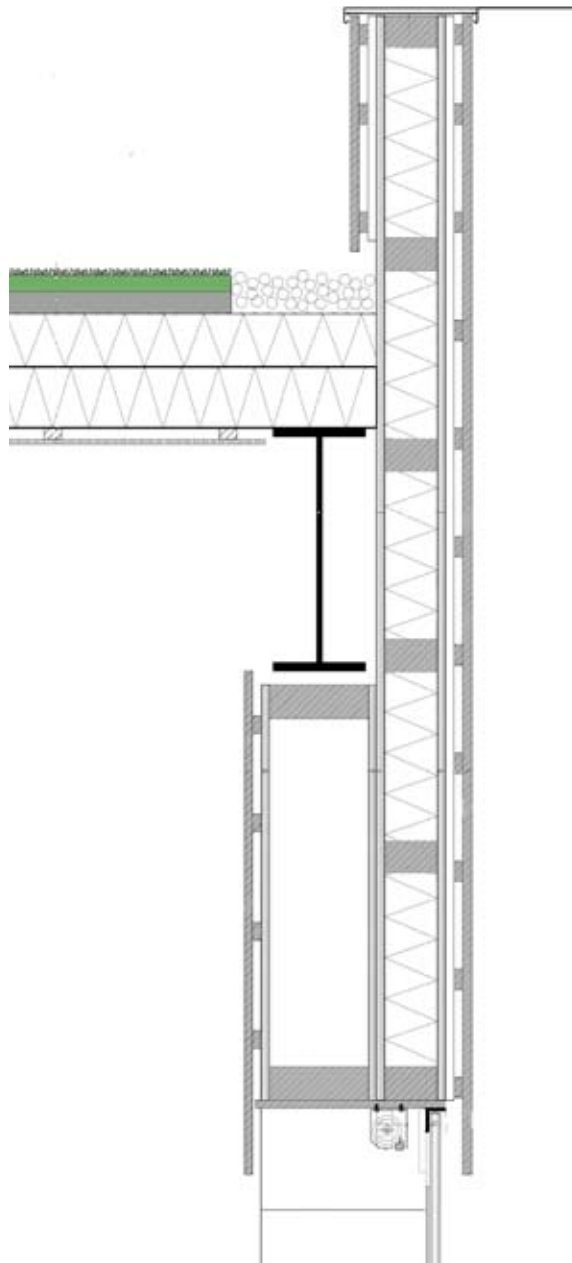


PATIO PLATTEGROND 1/50

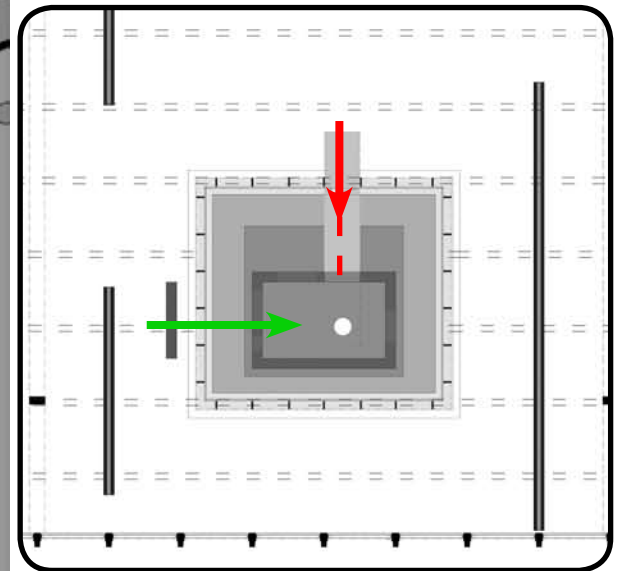
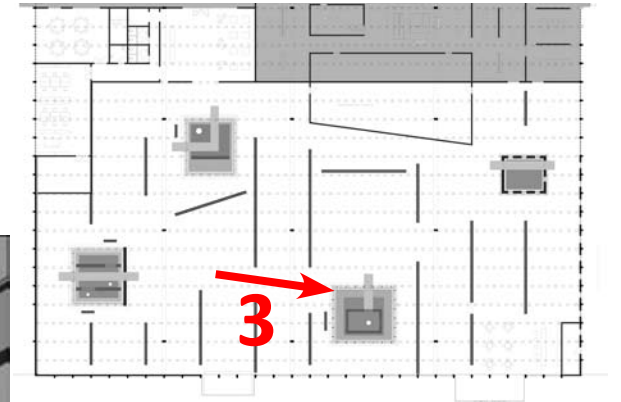


PATIO DETAILS 1/5

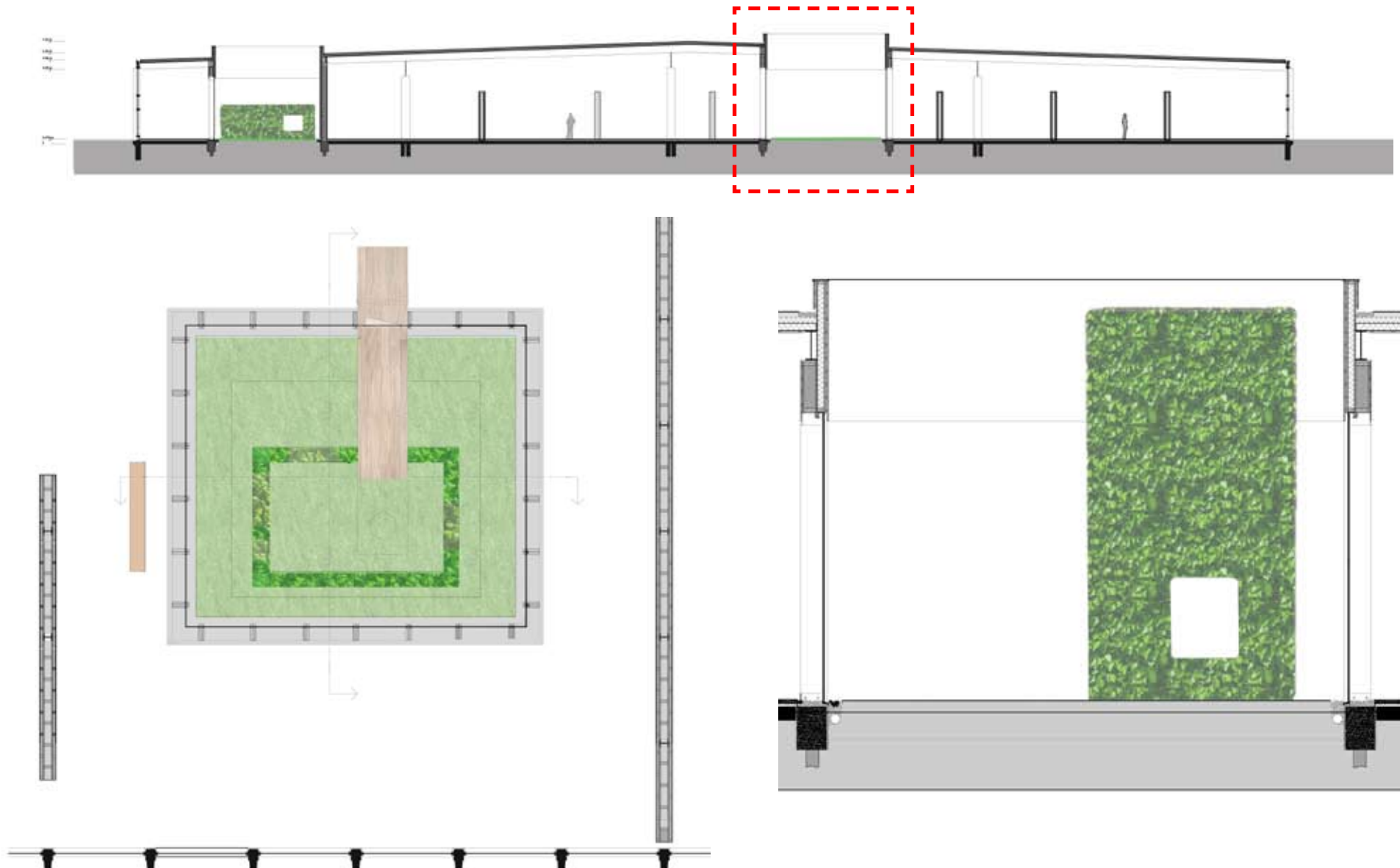




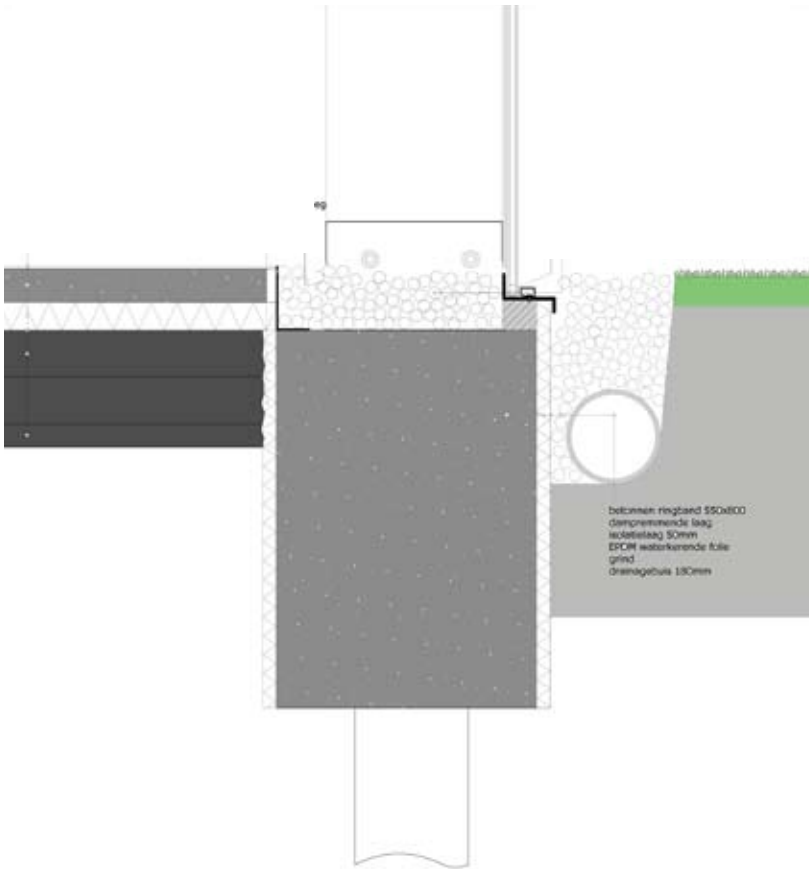
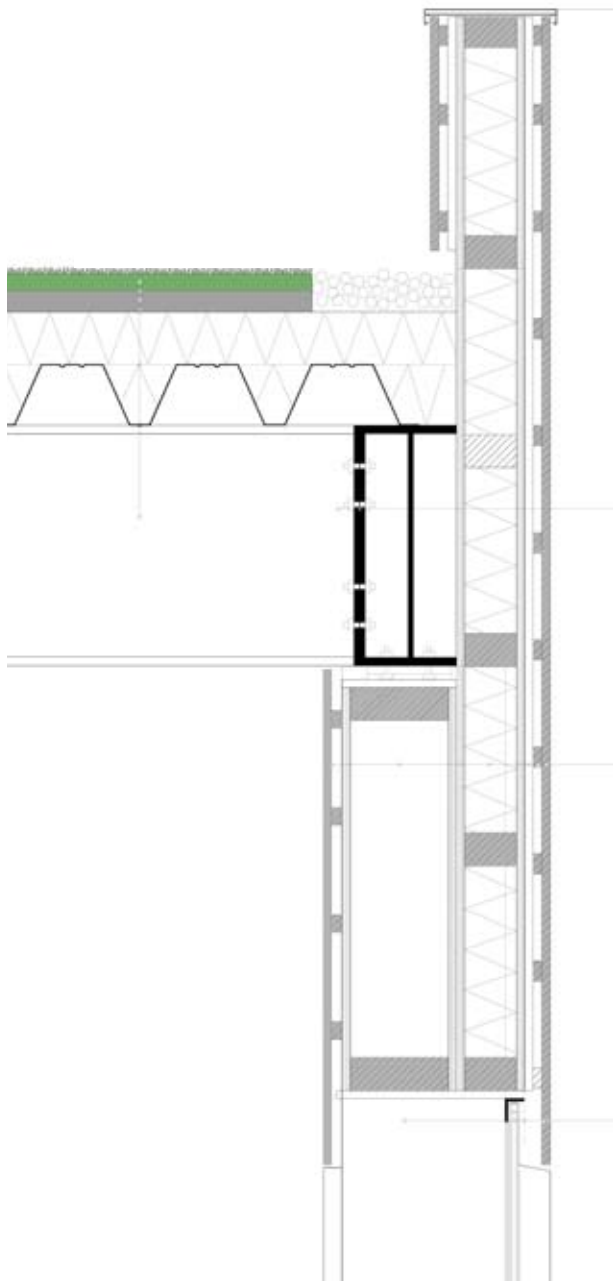
PATIO 3

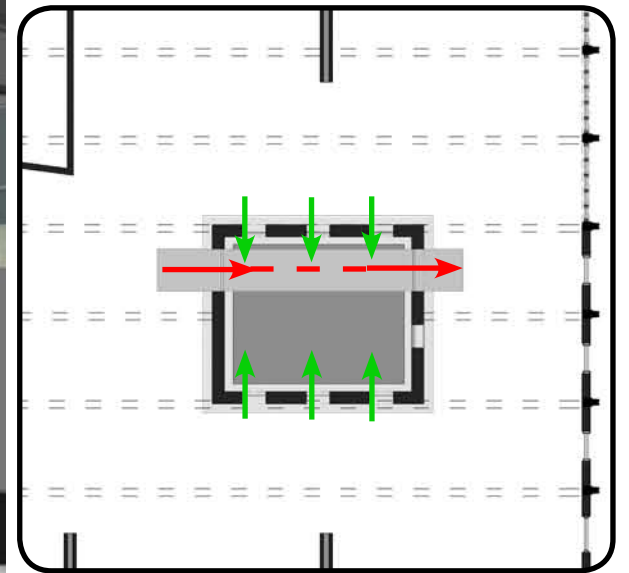
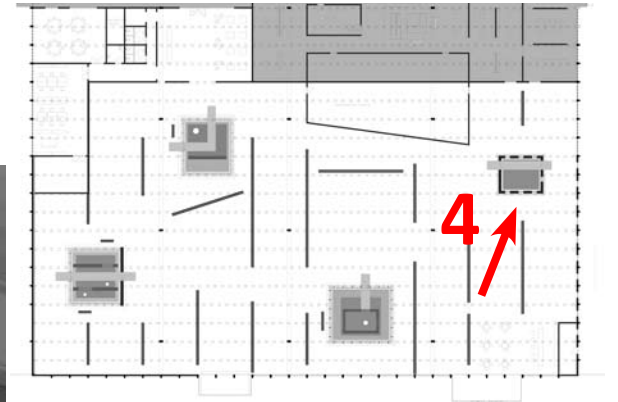


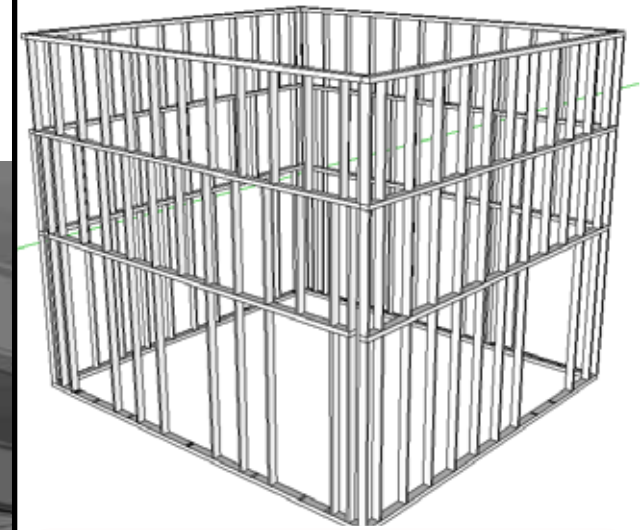
PATIO PLATTEGROND 1/50



PATIO DETAILS 1/5







Houten stijlen, regels en lateien
houten gevelbekleding (thermowood)



INSTALLATIES



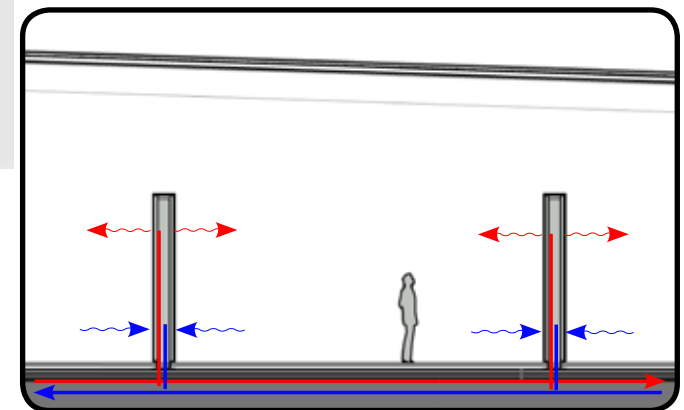
Vrij beeld in museum behouden



Zones

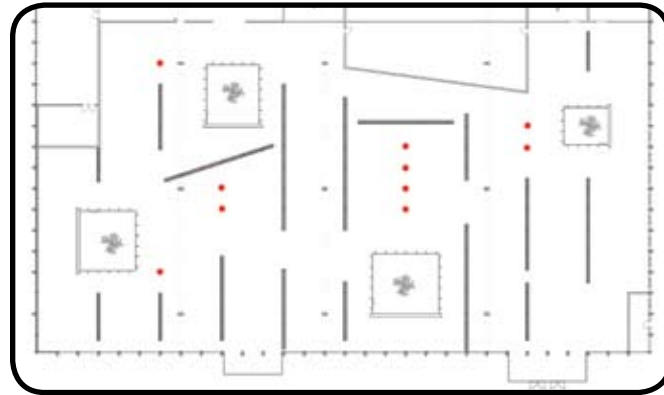
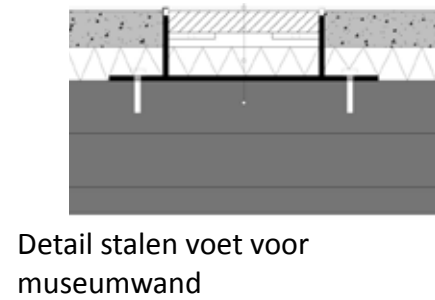
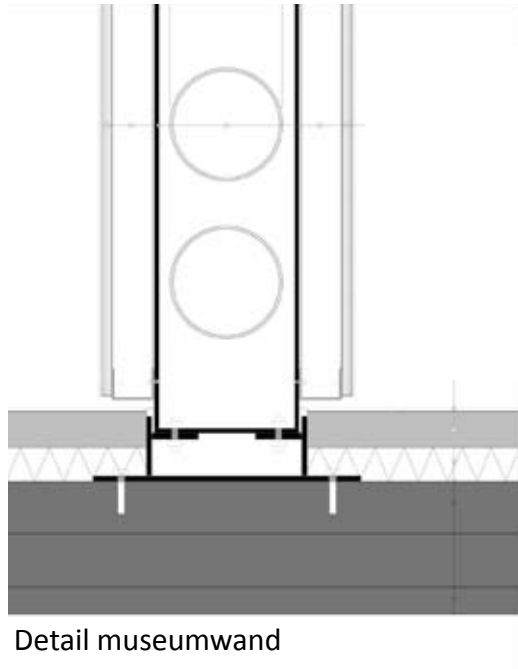


Toe- en afvoer ventilatie via vloer



Toe- en afvoer ventilatie via wanden museum

INSTALLATIES

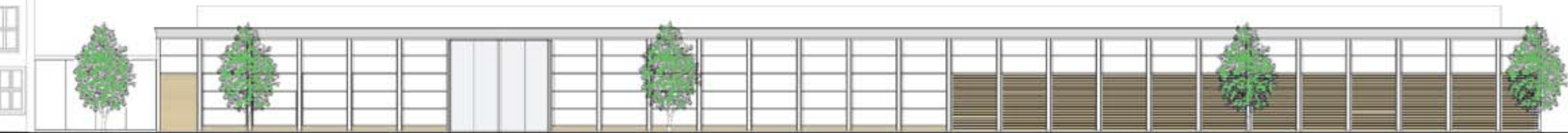




WESTGEVEL



bakstenen in ruitpatroon

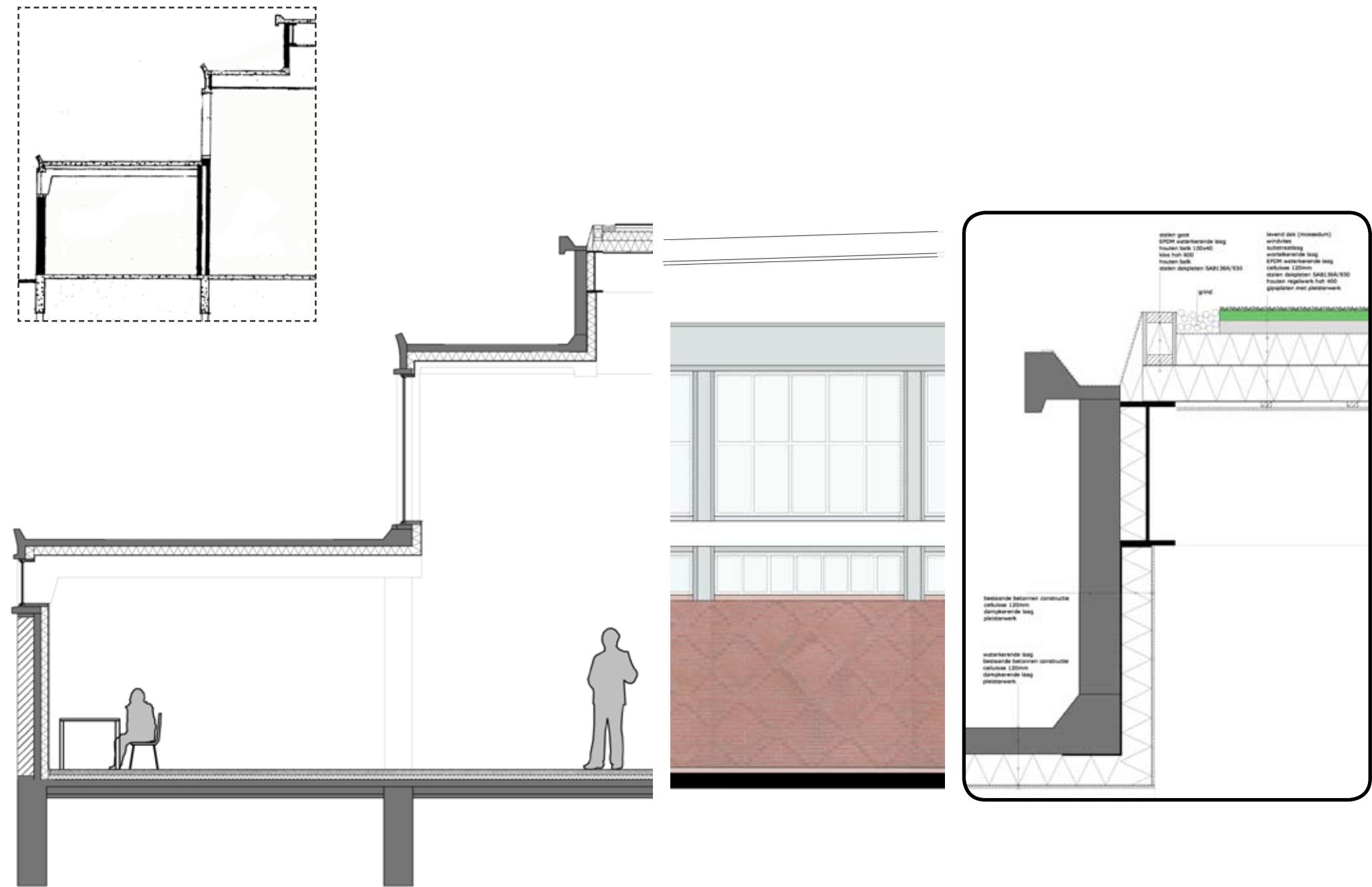


ZUIDGEVEL



western red cedar

DOORSNEDE GEVEL 1/20 en 1/10

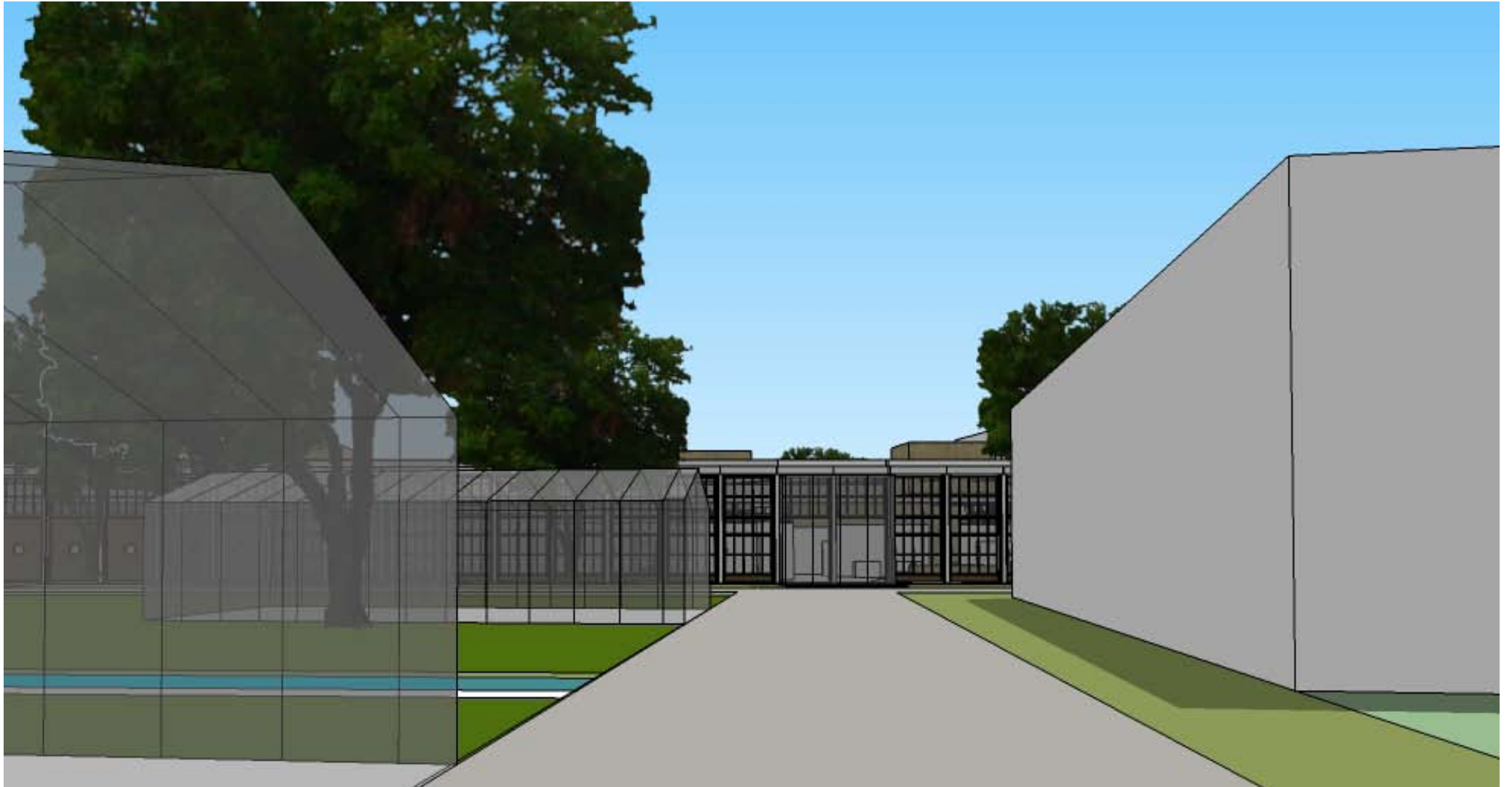




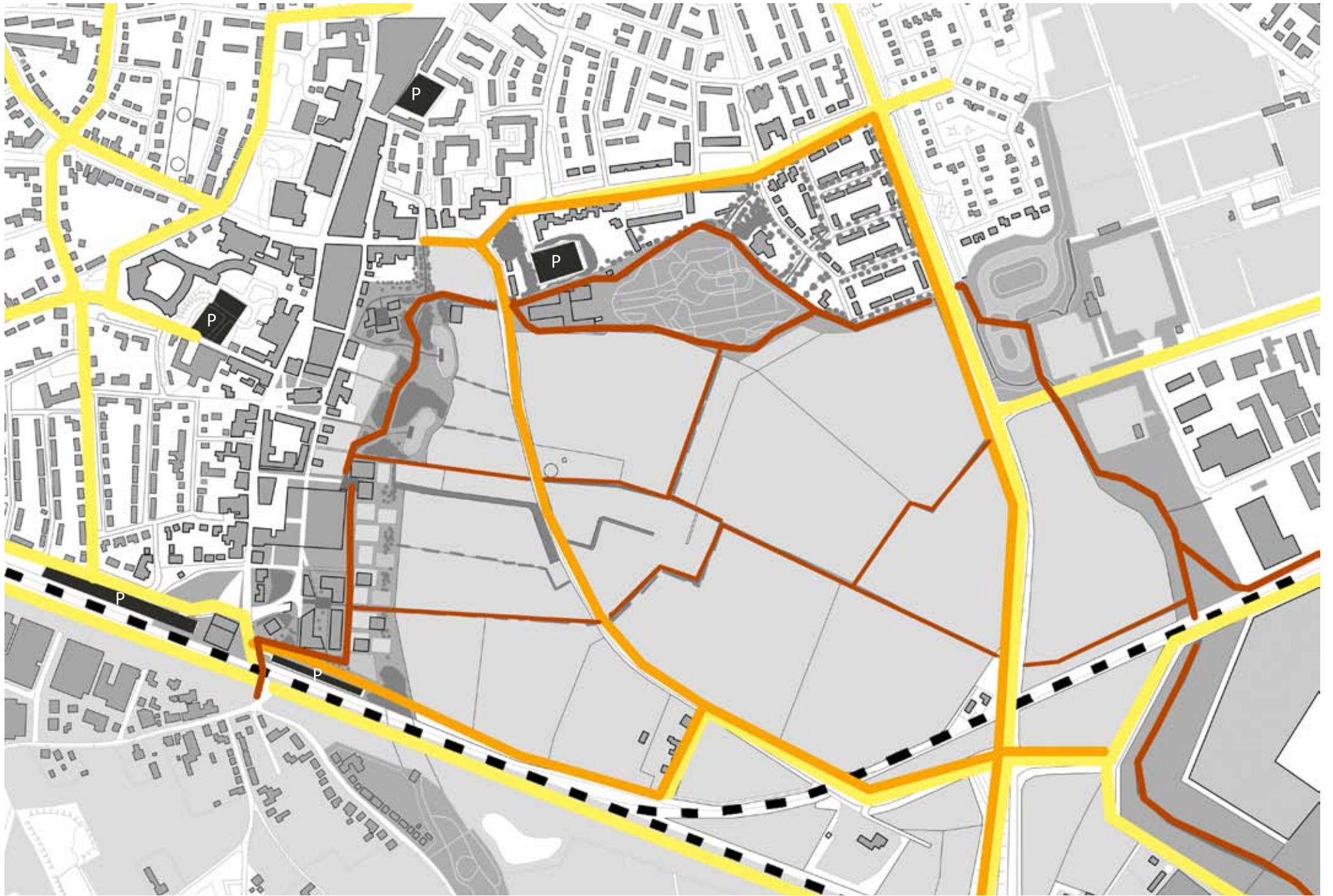
Verweving van landschappelijk en stedelijk weefsel

INTERVENTIE VAN EEN TABAKSFABRIEK IN ZEVENAAR

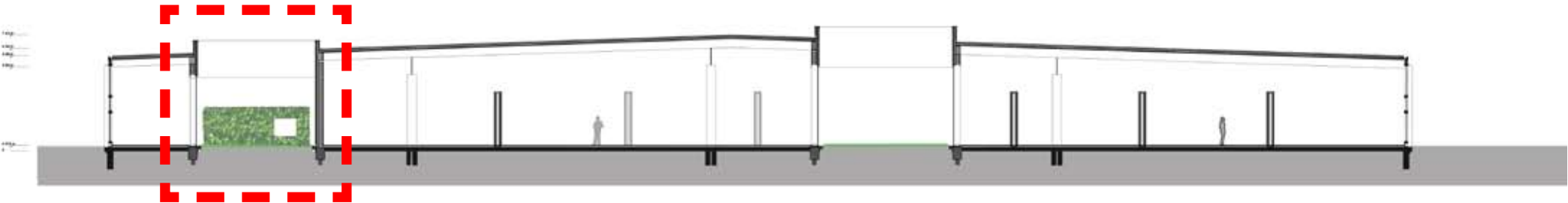
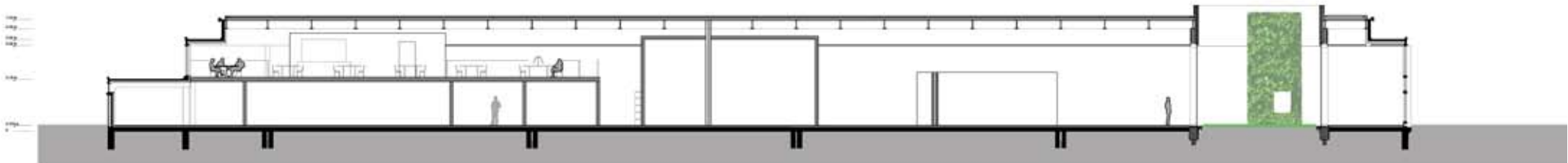
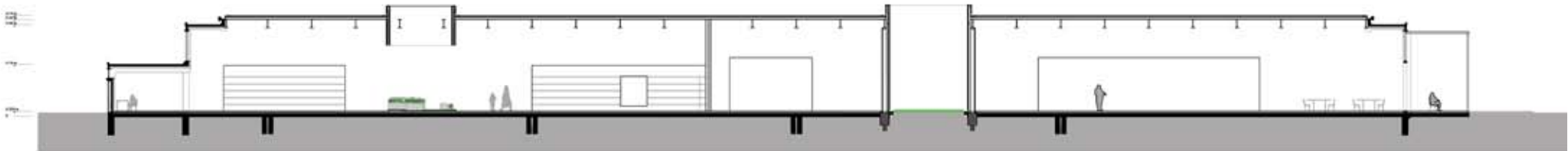
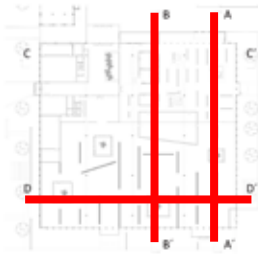




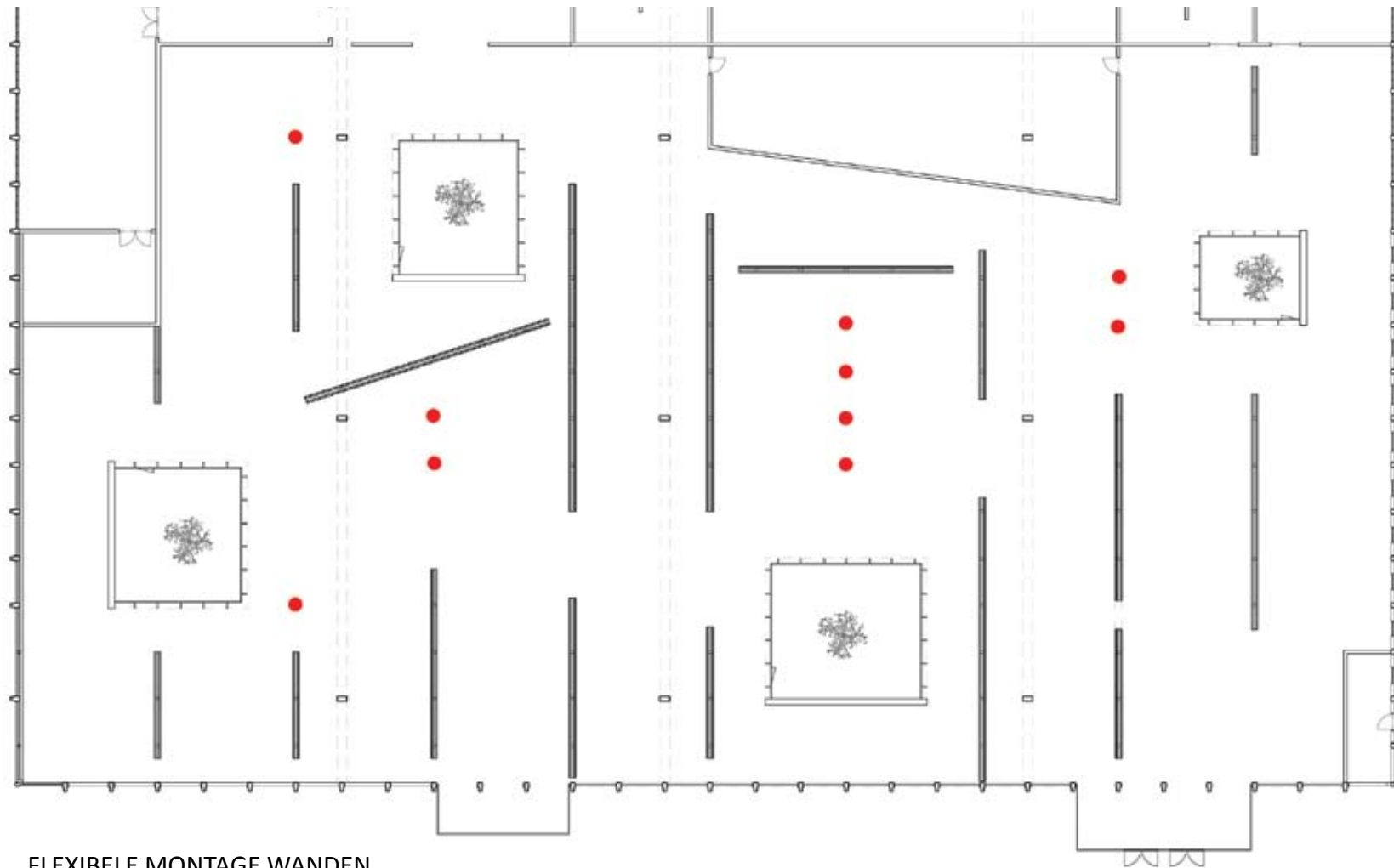




DOORSNEDES 1/200



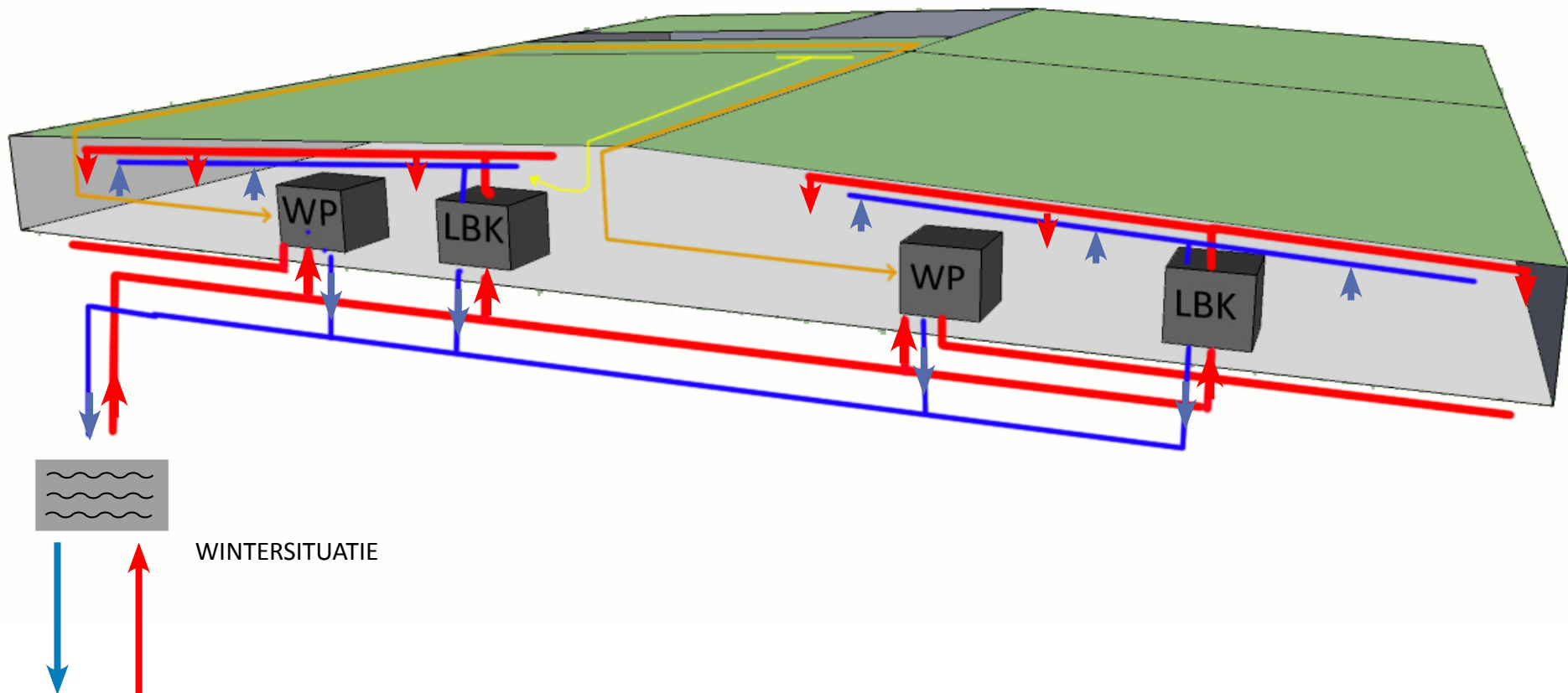
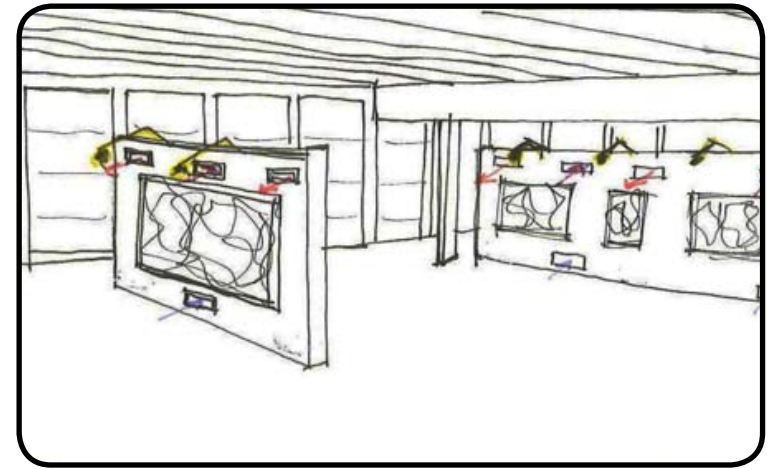
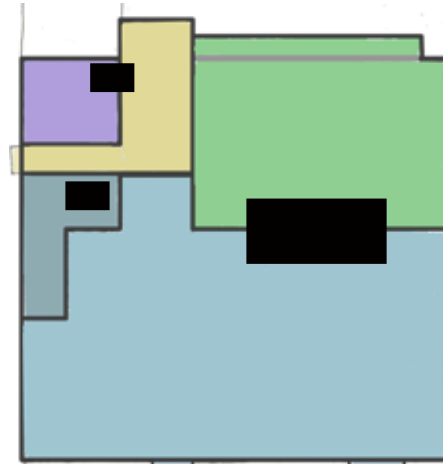
MUSEUMWANDEN



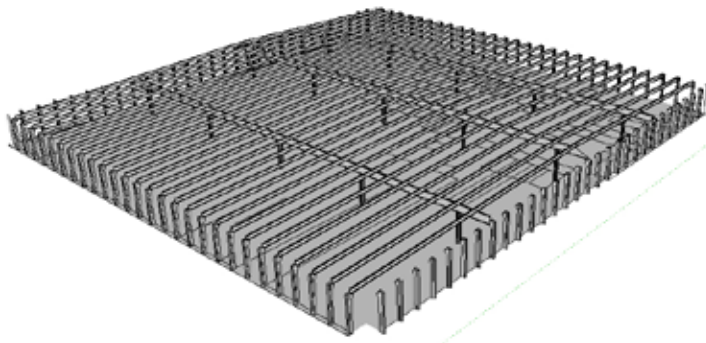
FLEXIBELE MONTAGE WANDEN

INSTALLATIES

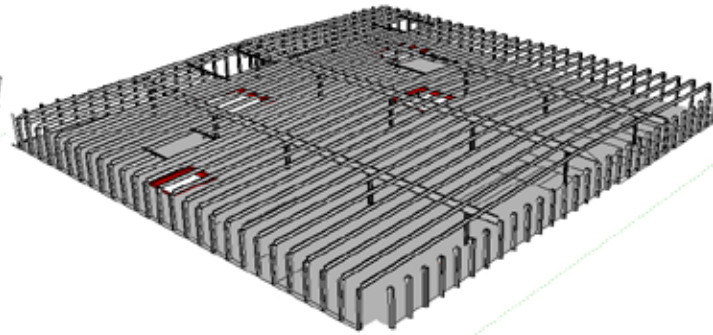
ZONES



OPBOUW CONSTRUCTIE

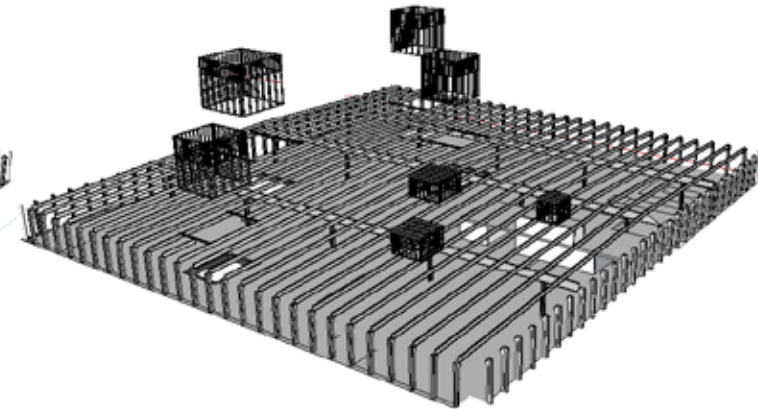


Bestaande constructie



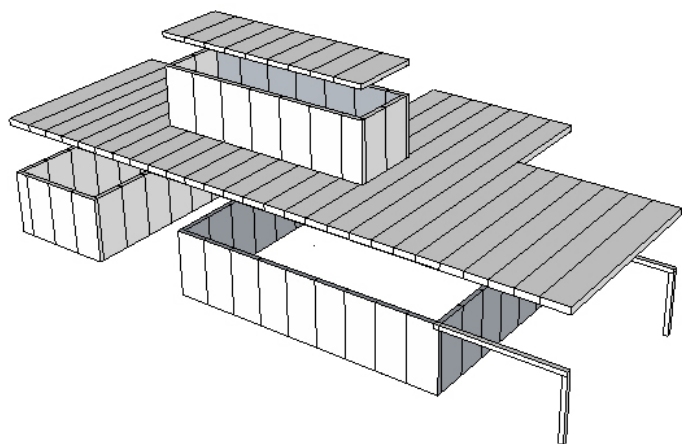
Bestaande constructie bewerken:

Gaten maken voor patios in vloer
betonnen ring eromheen
balken knippen en raveling maken



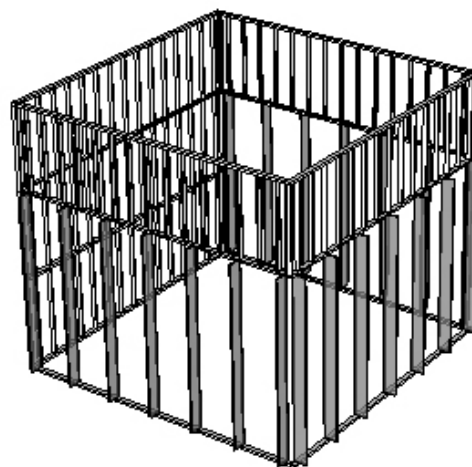
Nieuwe constructie toevoegen:

patio
bovenlichten voor binnentuinen
blok in bibliotheek



Wanden van Lenotec, massief dragend, 200mm,
1200 breed

Vloer van Lignatur,
kanaalplaten 300mm, 1000mm breed



Houten stijlen, regels en lateien
houten gevelbekleding (thermowood)

Dragend glas HR++
Glazen kolommen in stalen beugels, 3-laags
300mm

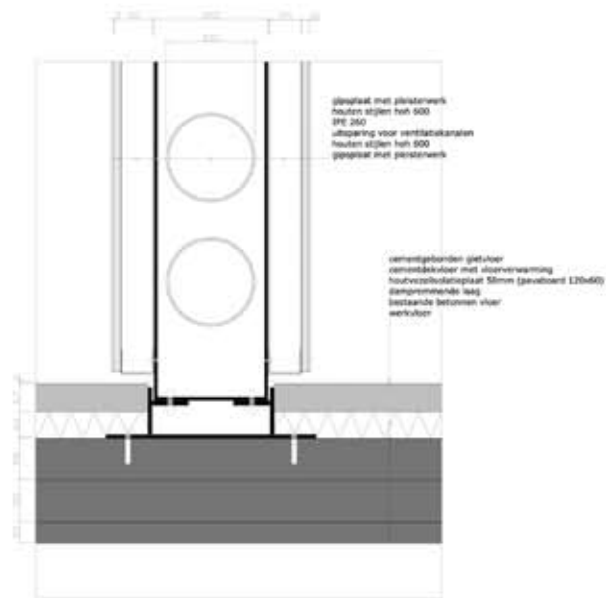
houten kolommen,



Houten stijlen, regels en lateien
houten gevelbekleding (thermowood)

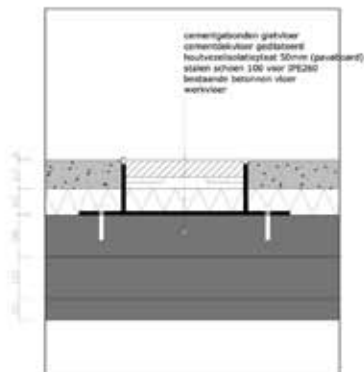
glazen bovenlichten HR++ in stalen frame

DETAILS VLOER 1/10



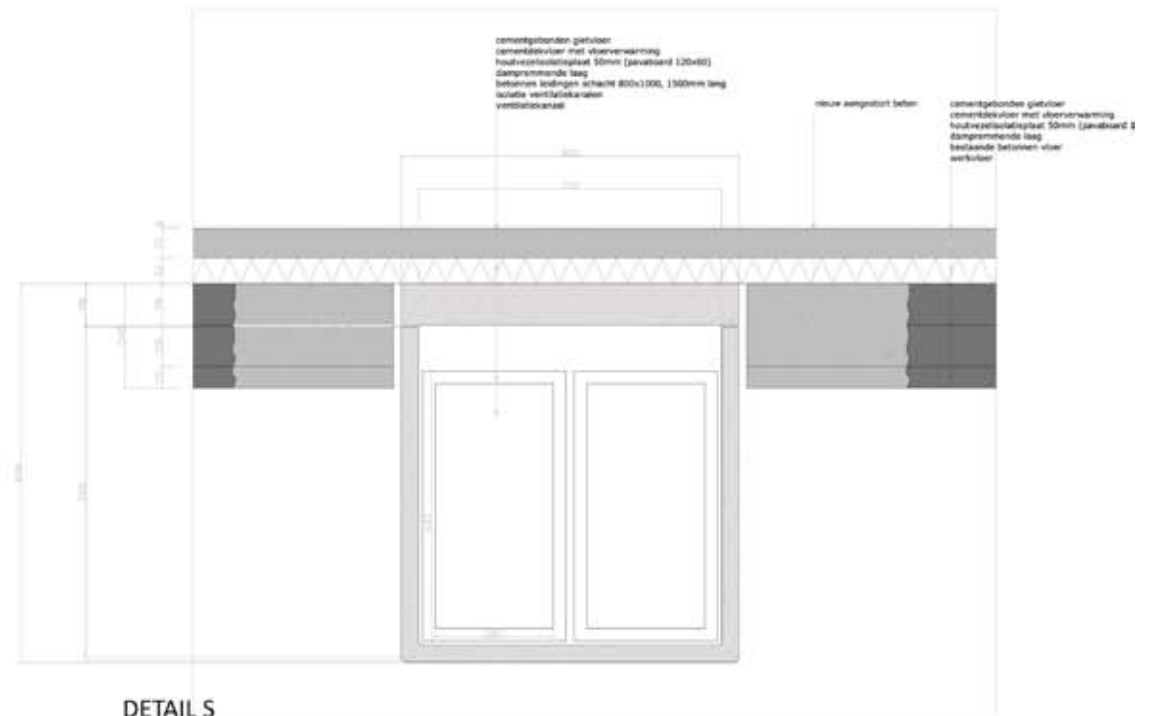
DETAIL Q

DOORSNEDE LOSSTAANDE WAND MUSEUM MET VENTILATIE



DETAIL R

MONTAGEMOGELIJK VOOR LOSSTAANDE WAND MUSEUM



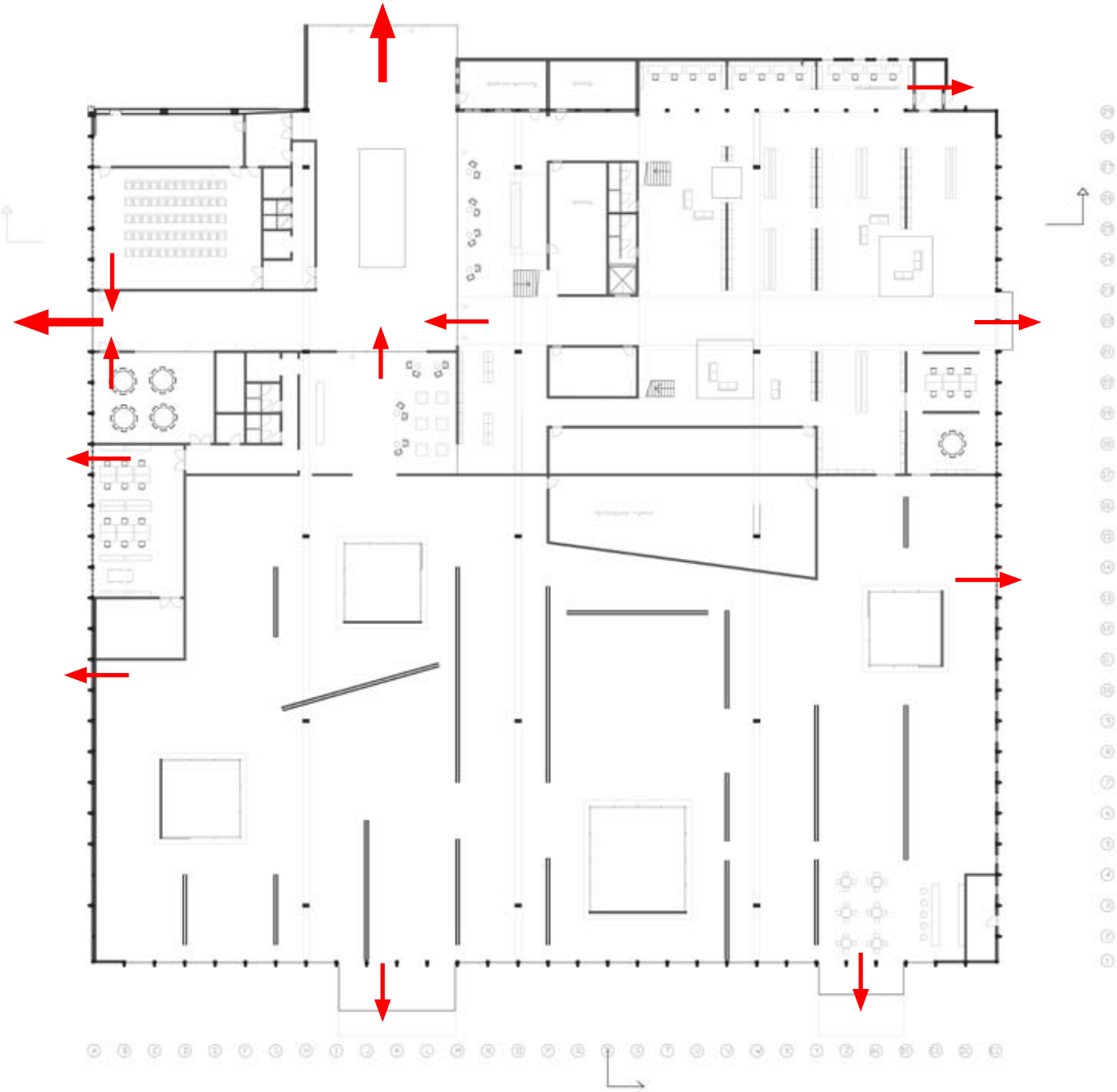
DETAILS

VENTILATIEBUIS ONDER VLOER MUSEUM

VERLOOP LUCHTKANALEN TOE- EN AFVOER



VLUCHTWEGEN



DOORSNEDE 1/50 EN DETAIL 1/10 BOVENLICHT BIBLIOTHEEK

