library street a public interior
a study center for the University of Amsterdam

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P5 presentation

Interiors, Buildings and Cities
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a study center for the University of Amsterdam

- design brief
  program - goal
  problem statement
  aim for the new academic library

- research results
  open-air study spaces in libraries
  development around the Sarphatistraat

- location

- the library
  conceptual
  in an urban environment
  the interior
  technical
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program requirements and clients

- university library and study centre
- part of the new Amstelcampus, one of three campuses in the inner city
- bruto floor area ca. 14.000 m2
- great diversity of study spaces
- combined functions for students of the UvA and HvA

- an extension of the public space, freely accessible
- a clear organisation of the building that allows to interact between different functions
- presence and position of the book is of high interest
spaces clustered in function groups

public spaces

active

open collections

active

staff functions

passive

parking and storage

passive

design brief
the new academic library

- urban sociologist Ray Oldenburg defines three types of spaces in his *The Great Good Place*

- public libraries are equipped as bookshops, visitors have a consumptive attitude - selling the book

- “It host the informal gatherings of individuals beyond the realms of home and work”

- the public library aims for a *Third Place*

- the academic library should accommodate the students all day long for work purposes

- a place for study and social gathering, not an attraction

- the academic library will function as a *Second Place* with reading rooms, open collections and various group spaces
Interiors, Buildings and Cities
A academic library that functions on all scales

- The building should alongside the function, have a meaning for the users of the city
- Open space created in the dense inner city must operate according to the demands
- Especially here, being a part of a future educational campus, where the public realm will form the infrastructure of this stretched campus and accommodates the several routings
Interiors, Buildings and Cities
A academic library that functions on all scales

- Surrounded by different types of housing, retail & leisure and academic functions; the facades have to find a way to correspond, but at the same time to distinguish

- Seeing the new academic library as a social hub, the building should represent its own identity

- Focus on the users: a clearly organized building
Interiors, Buildings and Cities
A academic library that functions on all scales

- It has to accommodate all students and offer facilities needed over the day

- On one hand an open and well structured building, on the other hand a building that gives shelter and intimity

- A open space that will focus on collective thinking for individuals, creating an atmosphere that tells people how to deal with each other
Interiors, Buildings and Cities

the passage

Trinity College Library, Dublin
rhythm by richly detailed construction

Yale Center for British Art, Connecticut
own identity and atmosphere of the library created by daylight and materialization
Interiors, Buildings and Cities
the open collections

Bibliothèque Sainte-Geneviève, Paris

individuality created on small scale
- workplaces illuminated

The City Library, Stockholm

dynamics and the presence of books
- diffuse daylight for the entire room
- artificial light for the bookstacks
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open-air study spaces - questionnaire

“If you have a garden and a library, you have everything you need.”
Marcus Tullius Cicero, 106 v.Chr – 43 v.Chr.

- a small addition to the program, for a fresh-air retreat during the long term stay in the Second Place

study outside?

<table>
<thead>
<tr>
<th>Yes</th>
<th>No</th>
</tr>
</thead>
<tbody>
<tr>
<td>65%</td>
<td>35%</td>
</tr>
</tbody>
</table>

where?

| 65% | 35% |

what kind of environment?

| 68% |

connected to?

| 15% | 15% | 70% |

influence on?

| 50% | 35% | 65% |

research results
open-air study spaces - case study in the non-Mediterranean climate

Rolex Learning Centre, Lausanne, SANAA


OBA, Amsterdam, Jo Coenen

Eerste Openlucht School, Amsterdam, Duiker

The Zollverein School, Essen, SANAA

research results
development around the Sarphatistraat
1877

research results
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Existing urban situation
Sarphatistraat
Roetersstraat

UvA complex from Sarphatistraat
Singelgracht from Mauritskade
Singelgracht
former military barracks
small scale housing
former Emma Kinderziekenhuis
appartment blocks
student residences
connecting the educational institutes
to be replaced buildings
redefine urban block and provide view to the Singelgracht from the Roetersstraat
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express a clear building block

different treatment of facades and sides

Bibliothèque St.-Geneviève, 1850, Paris, Labrouste
streetwise organisation and clear entrance

the program requires overview

a journey from A to B
circular voids with focus on the interior

makes the individual feel like a part of a greater whole
roof works as a light-handling volume

façades wrap into the interior

program distribution: based on functional behavior
a dense locations, use the programmatic opportunity to use two basement floors
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façades

comparison variants

urban environment
Sarphatistraat: different proportions, scales and materials

urban environment
urban environment
Singelgracht: continuation of the green banks
street profile Sarphatistraat - Singelgracht: internal street
internal street as a part of the urban network: a public interior

J. F. Geist - Arcades, The History of a Building Type

Haagse Passage, The Hague 1885
arcade starts at the street

J. F. Geist - Arcades, The History of a Building Type

Haagse Passage, The Hague 1885

urban environment
arcade starts at the street - ends in a central dome

J. F. Geist - Arcades, The History of a Building Type

Friedrichstrassenpassage, Berlin 1908
first dust cover

J. F. Geist - *Arcades, The History of a Building Type*

Friedrichstrassenpassage, Berlin 1908
a straight edged spatial cross section

Berlin - Amsterdam - The Hague

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the interior
a building with a clear functional and technical separation - roof to adept lighting
the interior
public functions from both the Sarphatistraat and the passage accessible
ground floor - p=0

closed service zones for logistics and horizontal movement in the passage
first basement floor - p-3000

bike parking, cloakrooms, mediatheque, depots and expedition
second basement floor - p-6000
car park
open to the Singelgracht
first floor 4000+P
facade rhythm and functions
the interior
first floor 4000+P

circulation
the interior
second floor 8000+P

intimate study cells as acoustic buffer
third floor 12000+P
semi-open air rooftop
the interior
a layered building
the interior
first floor 4000+P
the collections
first floor 4000+P

the collections
lowered ceiling with granules texture provides ventilation
first floor 4000+P

a facade with depth - niches as a light filter
first floor 4000+P

towards the balconies - bookstacks open up and inform
second floor 8000+P

enlarging circular void - experiences at studyplaces
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structural floorplan

hollow-core slap floor - load bearing facade structure
dilatation joint

double deck floor - column structure
construction sequence and methods
horizontal and vertical shafts and ducts for HVAC needs
let in the light, block the sun
hollow-core slab floor 250mm on ridge

structural precast concrete 200mm
M-element with wall ties

insulation 120mm mineral wool

precast grey concrete
fine-grained 80mm

pounded travertine on
placed by anchors on structure

wooden window frames
travetin 20mm, dark tint
rough surface, bush-hammered

precasted concrete - mass with own identity
optical illusion - giving an other scale
parapet included in facade
principle details and finishes
casted and polished screed 50 mm
hollow-core slab floor 250mm on ridge
structural precast concrete 250mm

concealed fixing aluminium strips centered 600mm
veneer panels 8mm - Sapele wood
steel railing powder coated concrete tint
steel brackets 400*200mm

luxcrete elements 200mm
precast concrete 120mm
insulation 120 mm
load bearing concrete 200mm
plaster 4mm

wall-to-wall carpet finish coat
footfall sound insulation 20mm
hollow-core slab 200mm
ridge as support for floors
ceiling not treated, fins for
acoustics and lighting

sun shading on chock
outer reveal in concrete
external window sill
drainage via facade
gliders for sunshading
wood frame
operable windows
insulating glass
natural stone reveal

travertin 20mm - 150*600mm
stainless steel anchors
water and vapour check
plaster 3mm
recess for metal plate with slots
for horizontal stability and joint
load bearing concrete 200mm
insulation 120 mm
stainless steel anchors to construct sandwich panel
precasted concrete 120mm
plaster 3mm
recess for metal plate with slots
for horizontal stability and joint
load bearing concrete 200mm
insulation 120 mm
stainless steel anchors to construct sandwich panel
precast concrete 120mm
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thanks!
tanja
gonzalo
ton
ben
maaike
anne
fleur
jeroen
tim
mama
papa
anouk