Spaces of Collection

Tingyu Zeng  4499808
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Tutors: Mark Pimlott, Susanne Pietsch, Prof Daniel Rosbottom,
Irene Cieraad, Willemijn Wilms
Floet, Mauro Parravicini
Spaces of Collection

/ Urban Institution
/ Urban Strategy
/ Architecture and Space
/ Collection and Users
/ Construction and Material
Spaces of Collection

As Urban Institution
Urban Institution

Urban:
adj.
in, relating to, or characteristic of a
town or city

Institution:

n.
1. an organization founded for a reli-
gious, educational, professional, or
social purpose;
2. an established law or practice;
3. the action of instituting something.
Urban Institution

To know

To learn

To make

Activities from Science Gallery Dublin
Urban Institution / Image and Vision
Urban Institution

A collection of ‘bricks’ as an island

Former Arramantarium
Urban Institution

A collection of ‘bricks’ as an island

Solid exteriors as stones
Urban Institution

A collection of ‘bricks’ as an island

Rigorous interiors

Courtyard 1

Courtyard 3
Urban Institution

A collection of ‘bricks’ as walls

Former Artilleriemagazijn, Paardenmarkt 1
Urban Institution

A collection of ‘bricks’ as walls

Repetitive exterior images
Urban Institution

A collection of ‘bricks’ as walls

Raw, earthy yet powerful language
Urban Strategy / Arrangement

Storages of different activities

To know
To learn
To make

+ To ‘urban’
Urban Strategy / Arrangement

Storages of the ‘Urban’

Where the public interior becomes the urban routine
Urban Strategy / Arrangement

1. Storage of Knowing
   Where the history is preserved
Urban Strategy / Arrangement

2. Storage of Learning
Where new ideas are cultivated
Urban Strategy / Arrangement

3. Storage of *Making*
Where new ideas will be produced
Urban Strategy / Arrangement

1. Storage of *Knowing*
   Where the history is preserved

2. Storage of *Learning*
   Where new ideas are cultivated

3. Storage of *Making*
   Where new ideas will be produced
Urban Strategy / Arrangement

The free standing storage

Extends the Zusterhuis
Clarifies the urban tissue
Strengthens its identity by repetition
Urban Strategy / Arrangement

The inner south facade
Urban Strategy / Arrangement

The open-air ‘storage’ of events

View of the event courtyard

Activities from European Researchers’ Night
Urban Strategy / Appearance

Creating two urban courtyards with different characteristics
Urban Strategy / Arrangement

A shared courtyard with the community

View of the shared courtyard from the street
Urban Strategy / Appearance

The boundary and transparency between two courtyards

Looking at the third barn from the south

Looking at the third barn from the north
Urban Strategy / Arrangement

Urban facade

West elevation
Urban Strategy / Appearance

Urban Continuity

The recess of the synagogue
Urban Strategy / Appearance

Urban Continuity

The grey space on the urban facade
Urban Strategy / Appearance

The grey space

reference image

Liangzhu Museum, Hangzhou, CN
David Chipperfield

Kolumba Museum, Cologna, DE
Peter Zumthor
Urban Strategy / Appearance

The grey space as a green space

View to the grey space from the café
The boundary within the space

Former Artilleriemagazijn, Paardenmarkt 1

Former Armamentarium, Paardenmarkt 1
Architecture / Space / Reference

Architectural reference

De Halen, Amsterdam, NL
former tram depot
Architecture / Space

The skylight strip
as the boundary line

The three main volumes are connected
by the skylight strips
Architecture / Space

Viewing the central barn from the skylight strip

View within the skylight strip
Architecture / Space

Jumping the boundaries
between new and old
between inside and outside

viewing the old building from central volume

viewing the rectangular courtyard from central volume
Collection and Users

Space Study Collection

Collections of different scales with different aims: research object, study tool, exhibition.
Collection and Users

One of the media that connects the professional and the layman

The visualization of the unreachable world beyond us

Der astronom (zyklus arbeit)
1919
Arthur Segal
Collection and Users

Different storages accommodate different collections/activities

To know
1. introduction exhibition
2. student works

To learn
3. study collection
4. lecture room

To make
5. workshop
Collection and Users

The first floor continues and extend the idea
Collection and Users

The Space Exhibition
Collection and Users

The relationship with the synagogue

Looking at the synagogue

The conversation with the synagogue
Collection and Users

The relationship with the central volume

Viewing to the central volume at the end of the curved staircase

The window as the frame
Collection and Users

The study space
Collection and Users

The study space
Between two public space
Construction / Structure

Construction diagram

- Steel joint
- In situ concrete
- Hollow-core concrete slab
- Rod
- Prefabricated concrete
- Foundation

Each volume as an independent unit
Reinforced by steel connection
Ventilation / material cladding
Construction / Structure

Construction diagram
Construction / Structure

Facade construction diagram

- Vertical reinforcement
- Horizontal reinforcement
- Insulation
- Cavity
- Hoop tie with dove tail insert
- Metal
- Steel relieving angle
Construction / Material / Walls

Petersen Kolumba Brick #K51
528x108x37

Kolumba Museum, Cologne, DE
Peter Zumthor
Construction / Material / Walls

Bare Concrete

La Confluenz, Giornico, CH
Peter Zumthor
Construction / Material / Walls

The coherence and contrast of different walls

The comparison between the walls of the central column and the wing
Construction / Climate

Ventilation diagram
Construction / Climate

Ventilation diagram
Construction / Detail

detail

Floor construction:
- polished concrete screwed 110 mm
- Impact sound insulation 40 mm
- Insulated with insulation 50 mm
- Hollow-core concrete slab 200 mm
- Ventilation duct 200 x 500 mm
- Painted plaster 18 mm

Wall construction:
- Potrero-Kolumba brick 190 mm
- KSI 525 x 100 x 30 mm
- Service cavity 152 mm
- Party insulated
- Insulation 100 mm
- Structural concrete 200 mm
Construction / Detail

detail of typical windows
Construction / Material / Floor

Bare concrete / Polished concrete screed

Kolumba Museum, Cologne, DE
Peter Zumthor
Construction / Material / Roof

Bitumen:
Asphalt roll

Roof House, Fredensborg, DAIK
LETH & GORI