The new art & dance academy of Apeldoorn.

Re-interpretation of Centraal Beheer Office to a creative city for students and the inhabitants of Apeldoorn.
Overview
Overview
Overview

“How to create hierarchy in a structuralist building without affecting the value and the structural appearance of the building?”
Intro

Centraal Beheer
25.000m2

Year:
1972
Centraal Beheer
25.00m2

Year: 1972

Architect: Herman Hertzberger
Intro
Centraal Beheer
25.00m²

Year:
1972

Architect:
Herman Hertzberger

Location:
Apeldoorn
Intro

Centraal Beheer
25.00m²

Year:
1972

Architect:
Herman Hertzberger

Location:
Apeldoorn
Intro
Masterplan 1972:

- Move station
- Centraal Beheer as new entrance of the city centre.
Intro
Current situation
Intro
Current situation

Masterplan not realised

Building became isolated from surrounding by the railway, Prins willem-alexandelaan and Koning stadhouderlaan.

Vision towards the city blocked by plakhoed building.
Intro

Building components

4 quadrants
Offices
Street
Garage
Intro
Building components:

Street
Offices
Garage
Intro

Unit

9 x 9

Workspaces 3 x 3

Raw finishing
Looking for **new architecture** which seeks to a development of the **individual** and **social** qualities.

Building as a city

Growth

Social interaction

Human scale
Value

Exterior

+ Strong composition
+ Translation of the function behind

- No clear entrance
- Surrounding not at the same level as the street of the building
Value

Exterior

+ Strong composition
+ Translation of the function behind

- No clear entrance
- Surrounding not at the same level as the street of the building

Start offices and street

Ground of the surrounding
Value

Space plan

+ Building as a city
+ Entering in an active space
+ Encourage people to meet
Value
Space plan
+ Open floorplan
+ Vertical interaction
Value

Space plan

+ Open floorplan
+ Vertical interaction

- Lack of natural light
Value
Space plan

+ Overdimensioned structure

- Designed to be flexible but limited possibilities

- Low ceiling
Value

Orientation

+ Give the users the freedom to make the building their own
Value
Orientation

+ Give the users the freedom to make the building their own

- No identification marks
### Value

#### Overview

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#### Hierarchy

- Building as a city
- Spatiality / scaling

#### Light
Program

Surrounding
Program

Surrounding

Close to city centre
National connected
Large building site
Program

Inhabitants of Apeldoorn by age

Bevolking, leeftijdsgroepen: aantal en percentage inwoners op 1 januari 2018 per leeftijdscategorie.
Program
Education in the surrounding

1 university

3 colleges
Program
Culture in surrounding

Stichting Gigant
Theater orpheus
CODA Apeldoorn
Program

Art academies
Program

Dance academies
Program

Functions

Master art education
Layer 4

Visual arts
Layer 2

Dance academy
Layer 0

Academy Dance education

Art, communication and design
Layer 3

Layer 1

Street
Dance department
Art department
Education / offices
Technical area
Restaurant / Canteen
### Design

#### Overview

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#### Building as a city

#### Hierarchy

#### Light

Spatiality / scaling
Design
Demolition plan
Design
Demolition plan
“Aan het eind van de jaren tachtig kreeg het structuralisme in Nederland enkele krachtige impulsen. Herman Hertzberger werd uitgenodigd om deel te nemen aan belangrijke buitenlandse prijsvragen.”

Gemäldegalerie, Berlijn 1986
Bibliothèque de France 1989

“In beide ontwerpen ontstonden zeer grote binnenruimtes, een nieuw element binnen de Nederlandse structuralism.”

Book: structuralism by A.J. van Heuvel
Design

Transformation strategie

Freedom for own interpretation in the street and preservation of the signature of Herman Hertzberger in the quadrants.
Design
Existing situation
Design
New situation
Design

New situation

Closing of residential area

Create new park for the neighbourhood

Move parking

Create cultural park
Design

New situation

Closing of residential area

Create new park for the neighbourhood

Move parking

Create cultural park
Design
1e floor

1: Street (reception)
2: Study area
3: Restaurant
4: Canteen
5: Kitchen
6: Washing-up kitchen
7: technical room
8: Exposition space
9: Becyle parking
10: Cultural park
Design
North-west facade
Design
North-west facade
Design
North-west facade

- Clear entrance
Design
Building as a city

Transition from inside to outside
Design
Building as a city

Transition from inside to outside

Sequence of spaces
Design
Building as a city

Transition from inside to outside

Sequence of spaces

Warm and elegant materials for additions in street against the raw and cold material of the existing.
Design
Building in a city

Opens up towards the cultural park
Design
Building in a city

Opens up towards the cultural park
Design
Building as a city

Improvement of the street

No difference in material in office and street.
Design

Building as a city

Street:
Creating a real active street that is in connection with the surrounding
Design
Building as a city

Street:
Creating a real active street that is in connection with the surrounding.

Entrance:
Walking towards the light while standing. Make clear that you entering the building without interrupting the material use
Design

Hierarchy

No visual connection towards the active street in the heart of the building.

While in the whole building you always have a good connection with the outside.
Design

Hierarchy

Large open space with light from above and good overview of the building.

Always view to the atrium for orientation.
Design
Hierarchy

3e floor

1: Atelier: Art, communication and design
2: Academy Dance education
3: Classroom
4: Lecture room
5: Dance studio
6: Multifunctional room
7: Dressing rooms
8: Storage
Design
Art department
Design
Art department

Wood

Metal

Fabric

Plastic
Design
Art department
Design
Dance academy
Design

Materialisation

New

Existing

Street

Quadrants
Design
Existing facade

Keep the composition of the existing.
Design

Existing facade

Keep the composition of the existing.

Ventilation:
Blow in from the ceiling and suction in the lowered ceiling.

Heating:
Floor heating with convectors against the exterior facade.
Design
Existing facade

Keep the composition of the existing.

Ventilation:
Blow in from the ceiling and suction in the lowered ceiling.

Heating:
Floor heating with convectors against the exterior facade.
Design

Existing facade
Design

Dance hall

Stands on its own construction.

From the outside it looks like an element on its own not touching the existing building.
Design

Dance hall

Stands on its own construction.

From the outside it looks like an element on its own not touching the existing building.
Design

Dance hall

Connection of the box with the existing structure
Design
Dance hall

The way light enters the room indirectly
Conclusion

Research question

“How to create hierarchy in a structuralist building without affecting the value and the structural appearance of the building?”
Conclusion

Heritage position

Keep the elements that tell the history of the building or even strengthen them and make the building for the users.

Repetition in structuralist building gives freedom
Conclusion

Reflection

Subjects for further research
Questions?!