Deurne center - studio hybrid buildings

Course code: AR3AUH20-b Hybrid buildings
Teachers: P. Vermeulen / H. Mihl
Student: Folkert Bijlsma 1524844
Date: 03-11-2011
Presentation index

**Urban scale**
- Existing situation
- Problem statement
- Design proposal
- Urban plan

**Urban / architectural scale**
- Relationship open and closed city
- Lines and directions
- Proportions and composition

**Architectural scale**
- Organisation
- Correspondence and contradictions
- Construction
- Installation
Urban scale
Existing situation

Main entrance district - Turnhoutsebaan

Antwerp Center

Deurne South

Deurne North

Station
Existing situation

- Parkweg - parking facilities
Problem statement

Border between city and park

Density / public space
Problem statement

There is no central public space where people can experience the identity of Deurne.

Certain identities of Deurne are ignored.
Create a district center

Show the identity of Deurne
Design proposal

The new district center

Deurne center
Design proposal

The identity of Deurne

Open city

Dwelling towers

Open city

Church

Building indication

Park

Cemetery
Design proposal

The identity of Deurne

Closed city

Buildings - urban fabric

Streets

Building indication
Connection between park and city
Urban plan

Connection between park and city

Parking Deurne center
Urban plan

- Town hall - central element of the open city
- Dwelling towers / park
- Church / cemetery
Library - element of the closed city

Wedding hall (vicarage) - element of the closed city

Urban fabric
Urban / architectural scale
Relationships open and closed city
Connection between the buildings of the open city and their territories
The borders of the public space

Urban section

Dwelling towers

Church
Borders of the square
The direction of the library
The direction of the wedding hall
Relationships open and closed city

The identity of Deurne - openings to the city

Church

Urban fabric
The identity of Deurne - openings to the park

Garden

Park

Relationships open and closed city
Lines and directions

Town hall - central building

Park - podium

Relation with park and city

Stad - plein

Relation with park and city
Lines and directions

Direction dwelling tower
Proportions and compositions

Elementary built-up town hall

- Stability cores
- Private volumes (offices)
- Public volumes (counter/restaurant/council room/lobby)
Proportions and compositions

Proportions - dwelling towers

32/71
Proportions and compositions

Proportions - town hall

West facade

East facade
Proportions and compositions

Relation town hall and dwelling towers - background
Composition of the towers - Turnhoutsebaan

Proportions and compositions
Composition of the towers - Lakborslei
Proportions and compositions
Architectural scale
Organisation town hall

Space division and connection

Public space

Private space

Council room

Pointed at square

Counters

East façade

Lobby

Pointed at park

Restaurant

West façade
Accessibility and relationship with public space

Organisation town hall

- Terrace
- Park
- Podium
- Square
Organisation town hall

Ground floor - counters / backoffices
Organisation town hall

1th / 6th floor - open offices
Organisation library

Space division and connection

South facade

Section - space division

Section stairway

Section - connecting stairway

Adult collection
Adult collection
Children collection / coffebar
Multimedia
Organisation library

1th floor - reading space
Correspondence and contradictions

The views of different environments
Unity in public buildings
Construction town hall

Construction built - up

- Basement
- Main construction - corridor
- Concrete core - stability

54/71

Basement
Central building - directions of the construction

Trusses

1th floor
Construction town hall

Different floor fields and directions

Concrete floors

2nd floor
Construction town hall

Repetition of construction

6th floor
Construction town hall

7th floor - Council room

thicker construction beams
steal construction
Construction town hall

Concrete façade elements

Steel stairs

Complete construction

The connecting stairway
Construction town hall

Materialisation

Concrete tiles  Concrete elements  Dotted glass - sun shading  Natural stone
Construction library

Repetition of construction

Steel construction - offices

Ground floor
Construction library

Repetition of construction

2nd floor
Construction library

Steel floor elements

Voide

2nd floor
Zinc roof construction

Transparant glass

Complete construction
Materialisation

- Ceramic cladding
- Curtain window frames
- Depolished glass
- Transparent glass

North facade

South facade
Installations

Reserved installation space

Town hall - section

Library - section

Town hall - Basement

Library - Basement

Ceiling with installation pipes

Pipe shaft
Deurne center