THE HOUSE OF IMAGINATION*

A DESIGN PROPOSAL BASED ON THE RESEARCH ‘RE-ENVISION THE PUBLIC LIBRARY: SEARCHING FOR THE NEW LIBRARY IDENTITY’.
DORINE VOS P5 PRESENTATION  APRIL 19TH 2018
Statement: bibliotheken sluiten > Identiteit?
Bibliotheek Nuenen als eerste op de schop

NUENEN - Bezoekers van de bibliotheek in Nuenen gaan volgende maand als eersten de gevolgen van de bezuinigingen bij bibliotheek Dommeldal merken.

Inge Lepelaars 19-04-13, 16:20  Laatste update: 14-03-17, 17:26
What is the added **social and cultural** value of the contemporary public library and how can those values feed the new library identity and its design?
The original library design Main division in the building
Example of the central reading room: The library of the British Museum
Library design according to Neufert
CONTEXT OF CHANGE
New ways of knowledge transfer
Opportunities for the public library in relation to the context of change
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Support the life long learning: The public library as a crucial source of information

The mobilization of talent: Create meeting places for creation

Include the excluded population by supporting extra educational functions
Opportunities for the public library in relation to the context of change

- Support the lifelong learning: The public library as a crucial source of information
- The mobilization of talent: Create meeting places for creation
- Include the excluded population by supporting extra educational functions
- The public library can function as a hub of connection and integration
Conclusion of the research
BUT HOW TO CREATE IDENTITY?
A network of themes?

Cluster of different themes for enhancement of the library identity

The house of the Human
Psychology / Medicines / Humanity

The house of the Technology
ICT / Technology / Innovation

The house of the Athletics
Sports / Healthcare / Movements

The house of the Nature
Biology / Physics / Animals

The house of the Imagination
Fiction / Fantasy / Illusion

The house of the Culture
History / Politics / Civilization

The house of the Arts
Art / Craftmanship / Architecture

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Psychology / Medicines / Humanity

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Art / Craftmanship / Architecture
A network of themes through the city of Rotterdam: The people’s houses, placed according to quality of location and context
A network of themes through the city of Rotterdam
Chosen location: The House of Imagination in ‘Het Park’
THE HOUSE OF IMAGINATION*
General concept towards the house of Imagination
General concept towards the house of Imagination
General concept towards the house of Imagination
Design Elements
Design Elements
Design Elements
Approach of Space program
Approach of Space program
Approach of Space program
Context approach
Context approach
Context approach
Development of the Voronoi pattern
5 zones of design connected by a boulevard through the woods
Key Principles
01 INSPIRE
Detail of the information desk
01 INSPIRE

Route of Light in the model
Reflection of the boulevard in the ceiling
Reflection of the boulevard in the ceiling
Axonometric view of the ceiling
02 DREAM
02 DREAM

3D impression of the Story telling hole
3D impression of the Story telling hole

1. Floor construction
   - 12 mm terrazzo white
   - 88 mm concrete topping
   - Radiant heating
   - 200 mm insulation
   - Concrete slab

2. Air exhaust system
   - 12 mm metal grating
   - Air exhaust pipe outlets

3. 300 x 400 mm air supply duct

4. 12 mm terrazzo light grey + 400 mm concrete slab
02 DREAM

- concrete prefab element
- wooden slats 100x20mm
- built-in planter
- LED strip ∅10mm

Book shelf element children
03 EXPOSE
03 EXPOSE

Tribune in Model
3D impression of the tribune
03 EXPOSE

Construction floorplan in combination with the Voronoi forms
Construction Axonometry
03 EXPOSE
04 CREATE
04 CREATE

3D impression of the workshop place
04 CREATE

1. floor construction (see detail 03)
2. air exhaust system (see detail 07)
3. 100 X 300 mm natural stone finishing outside
4. 300 mm vegetation layer

Detail of the air exhaust filter
Book shelf element
05 FOCUS
Detail of the Roof - Impluvium

1. roof construction
2. pre-oxydized (Corten) steel angle
3. 40 mm layer of gravel on 6 mm root-resistant layer
4. roof edge finish aluminium sheeting
05 FOCUS

The reading element
06 CONNECT

Detail Japanese Rainchain

1. roof construction
2. corten steel angle
3. drainage system
   - rvs drain
   - ‘japanese rainchain’
4. 2 mm aluminium finishing
06 CONNECT

Impression Outside Model
07 OVERVIEW
07 OVERVIEW

1. Roof construction
   - planted layer (nature roof)
   - 150 mm substrate
   - filter mat
   - 40 mm layer of gravel on 6 mm root-resistant layer
   - 1.2 mm EPDM waterproof membrane
   - 1.60 mm foamed glass-thermal insulation
   - 0.2 mm vapour barrier
2. 50 mm trapezoidal section ribbed metal-sheeting
3. Pre-oxydized (Corten) steel angle
4. 450 HEB / 360 IPE
5. 450 x 40 mm wooden ceiling panels (see detail 11)
6. Roof pavement 100 mm terrazzo inc 12 mm terrazzo finish

Detail roof structure (U=0.10)
07 OVERVIEW

The roof seating element
FUTURE?
An Office
An Event Center
A Playground for Children
01 The Underworld: Foundation & Installation
02 The Soil: Morphology & Diffusion
03 The Tree Trunks: Structure & Transportation
04 The Open Space: Function & Division
05 The Leaves: Orientation & Light
06 The Branches: Construction & Installation
The Panorama: Protection & Collection