P5 presentation Robert van de Graaf

‘CENTRE FOR PERFORMING ARTS’

3th of July 2009
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- Centre for Performing Arts
- Context: Location
  History
  Program
- Concept
- Organisation
- Building: Construction
  Technique
Location NDSM wharf

Close to centre of Amsterdam
Location NDSM wharf

Close to Central Station - Recognizable elements
Old situation NDSM-wharf

Activity by ship wharf - Heavy industrial environment
Character NDSM wharf

Vast scale - heavy industrial buildings - no visible activity - contrast mass and free public space
Introduction program

Diverse program - different levels of public / Private
User groups

Young

Old

Different interests

Performers

Attractive for every usergroup
Concept Centre for Performing Arts

Centre of NDSM wharf - Interaction different visitor groups - Meeting - Seen and been seen
Character public space

Public plaza - meeting - interaction - contrast open closed

Turbine Hall, Tate Modern, London

Turbine Hall, Tate Modern, London
Character public space

Multifunctional space - display for artworks
Two Routes - site enclosed between halls
Two front sides with different character

Location

Situation 1:2000
NDSM wharf

WATER
INFORMAL
FORMAL
SQUARE
Location

Two front sides with different character
Entrance areas

Two different public entrance areas - sequence of public space
Connection surroundings - inviting - outside performance space
Attraction - shared public interior - closed vs open - concrete ramp
Entrance water side

Connection surroundings - inviting - outside performance space
Sheltered public space

Public interior - Centre of building - transparancy - visible activity
Sheltered public space

Public interior - Centre of building - transparency - visible activity
Sheltered public space

Public interior - activity - contrast open / closed - flexible theatre
Closed volumes

Closed volumes borders public space - functions shape volumes
Skyline NDSM wharf

Recognizable shape - different skyline
Concept facade

Transition closed to open - framed views - connecting inside outside
Concept facade

Large closed surfaces - elements - repition - regular pattern
Concrete blocks - Stacking and shifting elements
Prefab - facade outside & walls interior - difference in scale

Facade element

outside rough concrete

inside wood

inside board marked concrete
Facade element

Prefab - different elements - gap between inner & outer parts

wood  steel shoe  isolation  concrete

3.2m
Facade element

Integration technique & element - removable wooden panels
Facade element

Connecting element - shape & contra shape
Facade element

Stacking & shifting the element
Facade element

Window opening units
Reference facade

Casa Poli
designed by Pezo von Ellrichshausen

mass vs holes - creating closed surfaces - grid windows
Facade element

mass vs holes - dark surfaces vs window openings
Facade

mass vs holes - closed surfaces vs window openings
Different levels public & private - separation public roof
Concept public / private

Expressed in facade - different window positions
Two volumes contain different type of functions

1 East --> bigger volume --> larger public functions & institute

2 West --> smaller volume --> smaller public functions & research centre
Concept organization public levels

Theatre in centre public space - integration spaces - connections spaces
Organization basement

Two volumes contain different type of functions
Theatre slides into East volume - Connected with depot
Theatre slides into East volume - Connected with depot
**Flooor positions**

- **amphi theatre**
- **Traditional**
- **Extension public space**
- **Experimental**

**multifunctional theatre**
Theatre is heart of public space - defines public space - open character
Additional functions around theatre

- Garberobe, bar, dressing rooms
- Foyer
- theatre
- Depot
recognizable - closed volume in public space
Concept specific public functions

Entrances defined by inner facade closed volumes
Vertical circulation

Stairs near public functions
Different types stairs - adjust to functions - stairs as meeting places
Organization ground level

Cafe / museum towards square - Library / workshop towards garden
Integration routing different user groups - visual connections
Entrance cafe / restaurant

Visible stair - strong visual connection
Visual connections - dividing construction walls
Library / Mediatheque

Integration routing different user groups - stair inside - visual connections
Wide entrance - strong visual connection - reading area in garden & public space
Wide views into garden - dividing construction walls - stair inside space
Workshops spaces

Connection public / private - connected with terrace
visual connection public space - open character - dividing construction walls
Visual connections

Different character visual connections - see and been seen - visible activity
Institute/ Research centre
Concept institute & research centre

open vs closed - meeting vs work - visual connections vs focus
Connecting elements - visual connections - wide views in corridors
Concept institute & research centre

- Vertical circulation
- Horizontal circulation
- Meeting

meeting vs work - visual connections vs focus - stimulate meeting different disciplines
Concept institute & research centre

meeting vs work - visual connections vs focus - focused views
Learning Concept

- Lab & atelier model making & decor
  - lab lighting equip. / atelier light
  - lab acoustic / ateliers music
  - lab media / ateliers media

Interaction between different disciplines - direct transition information
Organization second level - West

- Lecture 3
- Lab Lighting equipm / atelier light
- Lab. acoustic / atelier music
- Workshop / informal theater place
Open staircase - meeting between different disciplines - wide view
Penetrating concrete construction walls - wide views
Meeting space 2

Transparant stair - views through stair
Walking bridges
Walking bridges

Overview - informal theatre area
Meeting space 3

Open staircase - meeting between different disciplines - wide view
Concept atelier spaces
Concept atelier spaces

Entrance as transition zone - focused views - Sliding doors
Regulate peeking level - private / public

Doors closed --> hole in wall --> no peeking

Doors open --> opening in wall --> peeking allowed
Atelier space

Focused views - sitting in window seat
Construction & Installations
Construction

Concrete construction walls - divide spaces
Construction walls work as beams - closed vs open
Construction as transition zone between spaces
Technique integrated in elements

- Floor heating
- Natural ventilation
- Mechanical ventilation
Construction public space / roof

How does it work?

- Steel U-profiles span from beam to beam
- Large beams span from volume to volume
- Columns theatre as constructive elements
Construction & installations public space / roof

Integration construction & installations

- Water drainage pipe, 210 mm
- Truss beam, 800 mm
- Ventilation duct (output), 200x300 mm
- Steel grating ventilation slot
- Steel cover, removable
- LED light stroke
Construction & installations public space / roof

Integration construction & installations

LED light stroke
T russ beam, 800 mm
Waterdrainage pipe, 210 mm
Ventilation duct (output), 200x300 mm
Steel grating ventilation slot
Steel cover
Ventilation duct (input), 150x300 mm
Steel ventilation grating
Floor heating
Concrete floor panel

Construction & installations public space / roof

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QUESTIONS?