A Rehab Monastery
Programme: a physical rehabilitation center for both children & adults (spinal cord, brain injuries, chronic pain, amputation)

Location: Westersingel, Rotterdam
Content

1. the programme and my understanding
2. site analyse
3. the system and interpretation
4. interior
5. facade and courtyard
1. It’s a **physical rehabilitation building**
REHAB Basel, SWITZERLAND
Center for spinal cord and brain injuries
Herzog & de Meuron
2002
patient room- **living (privacy)** | also therapy rooms
swimming pool
collective space (public)
courtyard

nature (environment)
Nový Dvur Monastery, the Czech Republic
John Pawson
2002
Rehab clinic --------- Monastery
St Benedict’s Abbey, Vaals
Dom Hans van der Laan
courtyard
a self standing building
but also connect to surroundings
2. It seats on westersingel, Rotterdam
Design location: Westsingel 300, Rotterdam

Scale 1:50,000

N 200 m
Urban context
Urban context
Urban context
Urban context
Urban context
Urban context
atrium  |  service  |  inpatient
---|---|---
swimming pool  |  cafe

corridor  |  parking entrance  |  office/staff  |  therapy

corridor

connection to the city
children’s department, cafe, inpatient, gym, service, atrium, programme facing Museumpark
3. the building
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<th>Children</th>
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Open corridor is more suitable for healing environment!
(1) clear route - horizontal connection
(3) corner - transition between in&out
system (organization, interior, facade)
Ventilation distribution
4. Interior
system (organization, interior, facade)
Material: plaster finish
Material: brick veneer painted in white
5. Facade
brick reference
(yellow bricks, a warm feeling)
system (organization, interior, facade)
opening reference for rooms
(windows set back, openable, giving a sense of protection, also work as sun-shading)
system (organization, interior, facade)
Window reference for atrium space
(window stick out on the facade, no frame from interior view)
yellow brick 210*100*50mm
  cavity 40mm
  waterproof layer
  thermal insulation 100mm (*2)
  wood fragment 360*520mm
  thermal insulation 150mm
  wood fragment 250*510mm
  service cavity 20mm
  gypsum plaster 20mm
- concrete block 390x190x90mm
- cavity 30mm
- insulation 60mm
- concrete block 200x200x150mm

- gypsum plaster 20mm
- service cavity with wooden stud 200mm
- thermal insulation 100mm (*2)
- waterproof layer
- wood board 15mm
- wood frame, cavity 50mm
- exterior wood plate 150x20mm
courtyard of inpatient section
THANK YOU!