Deltascape Pavilions

Creating a series of pavilions along a recreational route through the Dutch Delta

Presentation

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Deltascape Pavilions

Content

Fascination
Concept & research questions
Design
Deltascape Pavilions

Fascination

hier gaan over het tij
de maan de wind en wij
The Delta as hydraulic construction

Culture Landscape

Cultural Landscape
Theoretical background
Theoretical background

The first step towards Climate Adaptation =

Support within society & Collective awareness
Theoretical background

LANDSCAPE THEORY

- Sea scape
- Estuary
- River scape
- Lake scape
- Polder scape

WATERSCAPE THEORY

- veenpolder, oud bedijkt land
- veenkolonieen
- droogmakerijen
- aandijkingen

- Harbour scape
- Water city
Theoretical background
Deltascape Pavilions

Concept

‘The things you want to protect the landscape from, prove to be the essential forces that will shape the future landscape.’
Relationship to the Delta?
Research Questions

How to design a recreational route through the Dutch Delta that generates awareness of the characteristics of the different deltascapes?

- How to design a series of pavilions along a recreational route that generates awareness of the relation to water in the deltascapes?

- How to design a pavilion that reflects the characteristic relation to the water of the deltascape it is situated in?
Recreational route
Recreational route
2 Estuary
2 Location Moriaanshoofd, Oosterschelde
Previous situation
Current situation
Tidal fluctuations and sea level rise

Low tide &
High tide
Facades

South east and Nord west
Facades

South west and Nord east
Floor plans

level + 4.5 m. and + 7.5 m.
Floor plan

Level + 10.5 m.
Materialisation
Facades

Roof top view
Section and Construction
Construction in detail

(Rain) water drain
Sustainable materials
Construction in detail
Polder
5 Location Zuidplaspolder, Moordrecht
Facades
Facades
Ground floor
Routing
Detail water stairs
Routing
Detail water run
Routing
Riverscape
Location Hagestein beneden
WAALSE BOS
Everstein
Tull en Het Waal
Lek
'OSS WALE
Ossenwaard
Hagestein
Fluctuation

Tidal and Seasonal
Fluctuation

Tidal and Seasonal
Fluctuation

Tidal and Seasonal
Fluctuation

Tidal and Seasonal
Fluctuation

Tidal and Seasonal
Fluctuation

Tidal and Seasonal
Floor plans
Floor plans
Section
Details

1. steel RHS 200 x 120 x 10 mm.
2. corrugated steel plate (inner box), 3 mm.
   + densed insulation plate, 15 mm.
3. galvanized steel plate, 2 mm.
4. steel inner box (standard)
   + insulation, 50 mm.
5. corrugated steel plate, 26 x 1000 x 3 mm.
6. steel angled profile, 40 x 40 x 6 mm.
7. prefabricated galvanized steel window frame, welded.
8. laminated glass, 16 mm.
9. steel corner plate welded and fixed, 10 mm.
10. steel CHS, r = 219.1, t = 18 mm.
11. roller bearing structure
12. prefabricated frame for roller bearing structure, welded RHS 50 x 30 x 3 mm.
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