Part 1. Research
1). Context
2). Site
3). Research Question
4). Design Assignment

Part 2. Design
1). Urban Design
2). Architecture Design
3). Structure
4). Detail Design
5). Climate Design
6). Perspectives
Context

Global Deltas

Mississippi
Rhine
Nile
Ganges Brahmaputra
Changjiang
Godavari
Mekong

Global Deltas
"Building Against Water"

"Building With Water"

[Room for the River Waal Nijmigen]
How to reactivate the relationship between Water & Land?
Site

IJsselmeer Region

Amsterdam City

Zeeburgereiland

Choice of Site
1630: Close Relation Between Amsterdam and IJsselmeer

1940: Reduced Relation Between

2015: Position of chosen site

Future: Regain the Relation Amsterdam and IJsselmeer
How to reactivate the relationship between Water & Land?

1. How to reactivate the relationship between Amsterdam & Markermeer?

2. How to reactivate the relationship between Water & Architecture Users?
How to reactivate the relationship between Amsterdam & Markermeer?

How to reactivate the relationship between Water & Architecture Users?

Amsterdam: An international port where talented scholars could gather

IJsselmeer: A water body whose water related issues require to be addressed

Design Assignment
Part 1. Research
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Part 2. Design
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2). Architecture Design
3). Structure
4). Detail Design
5). Climate Design
6). Perspectives
Function Division

Teaching
- Study
- Lecture Room
- Studios
- Program Room

Public Event
- Auditorium
- Exhibition

Library
- Reading Lounge
- Storage
- Administration

Research
- General Purpose Area
- Office
- Workshop
- Wave Tank

Private Public
Function Division

Entrance

Car Parking

Bike Parking
Function Division
Framing the View
Framing the View
Sectional Perspective

Seashore Library / Vector Architects HeBei, China

Musashino Art University Museum & Library Tokyo
Sheet-Metal Parapet Cap Sloped To Drain Roof Side
Sheet-Metal Protection
Paver with Shim
Loose-Laid Retention Tee
Engineered Soil
Carex Nigra (Grasses)

Filter Fabric
Reservoir Layer
Retention Layer
Aeration Layer
Thermal Insulation

Drainage Layer
Root Barrier
Protection Course
Thermoplastic Waterproofing Membrane
White Drywall Ceiling

Aluminium Facade Rail
Aluminium Panel
Double Glazing

Detail A-1 1:10
Double Glazing

Toughened Safety Glass

Insulated Aluminium Section, with Thermal Break

Insulated Facade Panel

Ventilation Element: Electronically Operated Aluminium Louvres

Aluminium Facade Rail
Detail C

Roof Drain

Welded Stainless Steel Tab To Support Chain

Polished Stainless Steel Chain

Spring

Concrete Drain

Section 5-5