Layered Library

P5 Presentation 27/10/10
Hans Larsson
Border Conditions: Invisible City Cairo
Area of Study  
Mapping  
Translation process  
Design
Area of Study
“We live in defined structures, we are surrounded by reference systems - but nature dismantles them, taking them back to an earlier system of non-integrity.”

Monuments of Passaic
Smithson

“We can view the menhir as the first inorganic sculpture, a symbolic, non-mimetic form that carries inside it the home and the image of God, the column that was to give rise to architecture and the statue that was to give rise to sculpture”

Walkscapes
Careri
Mapping
Site: the Growth

- Masonry fragments
- Visible paths

Section AA'

Section BB'

Plan
Site: the Fill

- Masonry fragments
- Visible paths

Plan

Section AA'

Section BB'
Process
Program
Beinecke Rare Books Library - Bunschoft

Sendai Mediatheque - Ito
Reading / Book Storage

Printing
Theatre
Meeting areas
Translation 1: Design of layers (scale of individual spaces)

Translation 2: Application of layers into building system (scale of entire site)
Translation 1: Design of layers (scale of individual spaces)
Meeting and printing area
Meeting and printing area

Perforations
Meeting and printing area

Walkable area
Meeting and printing area

10 cm bookshelf
Meeting and printing area

20 cm bookshelf
Meeting and printing area

40 cm bookshelf with book vitrines
Meeting and printing area

80 cm bookshelf
Meeting and printing area

Sight lines
Meeting and printing area

Crevices
Entrance / guard area
Individual reading spaces
Individual reading spaces
Translation 2: Application of layers into building system
Meeting and printing area

interval 1,40m
Frames
Interior excavations
Interior excavations
Exterior excavations
Exterior excavations
Placement of remaining sections
Interior + exterior excavations
Circulation: entrances
Circulation: cross paths via shelves
Circulation: landscape between panels
exploded axonometric of construction

4th layer
- soak wooden panels screwed onto aluminium framework

3rd layer
- aluminium profile framework anchored within crossbeams
- book boxes mounted within framework

2nd layer
- precast concrete panels suspended on aluminium substructure
- crossbeams and tie-bracing screwed onto anchor points on core

1st layer
- concrete wall core on pile cap
- anchoring of aluminium substructure and attachment points for shelves
Cooling: vertical radiant panels
Cooling: horizontal radiant panels
Cooling: conduits