SITE
MASTERPLAN
CONCEPT
PROGRAM
FACADE
CONSTRUCTION
INTERIOR
CONCEPT

BK CITY

= 

ambiguity

+ 

relationality

.....
ambiguity 模糊性
Idealize studio space

filter of light and nature
free space .......... gathering space .............. green space.................open space.................... dark space
metaphor

MATRUSHKA
space inside space inside space...
relationality 关联性
recursion ➔ street?
transform

street ➔ city
center+wall  ➔  Old city

centralized  ➔  Delft

decentralized  ➔  BK city
green space inbetween
N HOUSE
CENTRAL SPACE? SQUARE?

INSIDE SPACE/
SEMI-OUTSIDE/
OUTSIDE SPACE/

HOW?
separate object (central cover only) level= 5 m
central space
for public
invisible volume
semi-outside
planting
...
ENTRANCE HALL
MASTERPLAN

CONCEPT

PROGRAM

FACADE

CONSTRUCTION

INTERIOR
lab + workshop
conference center
+
film studio
entrance hall
+ information center
Big Auditorium
room A
+
room B
Materialisation & design development

Wenli Wan 1535145

Computer rooms
Model workshop + laser lab
Bouwshop
+
exhibition

Bouw pub
+
Bouw restaurant
Library
+
exhibition hall
BK CITY—FACULTY OF ARCHITECTURE
SADD Msc4 Architecture
Materialisation & design development
Wenli Wan 1535145

studio + lecture room
SANAA  Zollverein School (Essen, Germany)
energy free!

free energy resource from underground
-----mine water (polluted)
-----no insulation

-----300mm insitu concrete facade
-----70% energy lost into air
Haus Presenhuber, Vnà/
Gabrielle Hächler & Andreas Fuhrimann

expensive!
SEIJO TOWN HOUSE/SANAA

ROOF CONSTRUCTION
- Steel sheet, galvanized, standing seams separating layer
- 20mm fibres boarding
- 80mm ventilation cavity
- moisture-shielding sealing layer
- 150mm insulation
- vapour retarder
- 20mm fibres boarding
- 20/120 timber rafters
- 38/50mm flaky battens
- 15mm flaky plywood

WALL CONSTRUCTION
- primed gypsum board
- internal 12.5mm
- steel box-shaped profiles 20mm
- board insulation 20mm
- reinforced concrete 300mm
- mortar layer 5mm
- brick cladding 15mmX

DETAIL OPTION 2 SCALE: 1:10

no insulation!
N House, by Sou Fujimoto, Tokyo
Small scale building

small!
RANDOM OPENINGS
BIG SCALE BUILDING
ONE DETAIL EVERY WHERE
IN SITU CONCRETE IS NOT GOOD SOLUTION
....HOW?
MGM  social housing in the Monte Hacho
mixed these two systems
solid facade---bearing system outside, rigid, strong
soft facade---bearing system in side, transparent
Stadsdeelkantoor
ZuiderAmstel Amsterdam
Office building in Ijburg, Amsterdam
Claus en Kaan Architecten
Jiushu residential house, China
David Chipperfield
Jiushu residential house, China
David Chipperfield
Architecture school, Umea
interior wooden cladding layer + outside loadbearing frame element =
inside column frame and glass +
outside wooden louver layer =
MASTERPLAN
CONCEPT
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FAÇADE
CONSTRUCTION
INTERIOR
TT element
"TT" element

double glazing

insulation layer

pretensioned hollow core slab

wooden cladding
AIR HANDLING UNIT ON ROOF
MASTERPLAN
CONCEPT
PROGRAM
FACADE
CONSTRUCTION
INTERIOR
THANKS FOR YOUR ATTENTION!