MOVEMENT // PLACE // RELATIONSHIP

LOKMACHAU BRIDGE IN DIFFERENCE

stories that inspire ‘to not only move through, but also go to’

dsd architectural thinking graduation project
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by renske maria van dam  #1365630
The traditional city strives for a condition of balance, harmony and a degree of homogeneity. Hong Kong, on the contrary is based on the greatest possible difference between its parts - complementary or competitive.

City of Exacerbated Difference:

“The traditional city strives for a condition of balance, harmony and a degree of homogeneity. Hong Kong, on the contrary is based on the greatest possible difference between its parts - complementary or competitive.”

Koolhaas, R. in Project on the city, great leap forward
vanishing of place experience; placelessness

“Hong Kong as a space of disappearance developed a tendency toward timelessness and placelessness without the need to establish stable identities.”
Abas, A., Hong Kong. Culture and Politics of Disappereance.

“It is as if the acceleration discovered by Galileo to be inherent in falling bodies is rendering the planet a global village not in a positive sense but as a placeless place indeed.”
Casey, E., Face of place
What is the influence of movement on the local experience of place?

Is there a possibility for ‘sense of place within movement’?

How to work with this as designer?
sense of movement

“ It is a zone of immense potentials and contradictions; a radical separations between ideologies, economic and political systems, and social and cultural mores. It is a horizon of dreams and desires and a site of intense exchange. “

Bolchower, J., Hasdell, P. Opening the frontier closed area: a mutual benefit zone.
potential for new sense of place

“Liminal bodies can be understood as containing conditions that allow for new forms of organisation to occur as emerged circumstances that embody genotypes or conditions not found in the quotidian or conventional.”

Bolchover, J., Hasdell, P. Opening the frontier closed area: a mutual benefit zone.
introduction

design to not only move through but also go to place as relation // place as resonance

five personages:
lokamchau living edge: inhabited bridge

“An inhabited bridge, while able to fulfil the function of a purely vehicular bridge, has two additional assets; it can extend the intensity of activity generated on each banks and it can become a destination in its own right."

-royal academy of arts- 1997
Hong Kong interpretation
resonance: place as relation

Site interpretation
personages

Design
  .starting points: atmospheres
  .spatial concept: bagua and anamorphosis
  .implementation: drawings and technique

Models
Hong Kong interpretation
resonance: place as relation
'What begins as undifferentiated space becomes place as it acquires definition and meaning; as we get to know it better and endow it with value.'

Tuan, Y. (1980) Space and Place
Place

‘What begins as undifferentiated space becomes place as it acquires definition and meaning; as we get to know it better and endow it with value.’

Tuan, Y. (1980) Space and Place
theory

*Shift your perspective (theoretical framework)*

to understand place within movement we have to ‘kick our habits’

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<th>relativity in value</th>
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space/time

philosophy
Place as relational space:

- **profound...** anchored/grafted sense of place
- **lack of...** moving sense of place

**placing move**(ment) place oriented movement (goal)

**moving place**(ment) movement oriented place (experience)
Place as relational space: bagua and courtyard

A void to resonate; how absence can be stronger than presence
Place as relational space: transversal thinking and square

A void to resonate; how absence can be stronger than presence
Latent experiences: stories

“Storytelling does not aim to convey the pure essence of a thing, like information or a report. It sinks the thing into the life of the story teller, in order to bring it out of him again.”

(W. Benjamin quoted in F. Guatari three ecologies)

F. Sleewijk Visser et al. (2005) Context Mapping; experience from practice
Kandinsky quality: resonance

The embodied experience of touching ice causes a temporal cold feeling on your fingertips, the emotional response, resonance, is formed by transversal association. As in case of music instruments that without being touched vibrate in sympathy with another instrument being played. (W. kandinsky)
site interpretation
personages
historical interpretation border relations

open/common

tight/difference

Frontier Closed Area 
stages of liminality
(arnold van gennip)

prelimal state: metaphorical death
liminal state: passing through the threshold, transition takes place
postliminal: new identity?

frontier closed area
stages of liminality

preliminal state: metaphorical death
liminal state: passing through the threshold, transition takes place
postliminal: new identity?
site

local potentials

first settlements *san tin* by Man clan


AGRICULTURE

MIGRATION LONDON

TOURISM

Figure 7-8 The Distribution of Tourism Cooperation Areas in the Greater PRD City-region
latent experiences: stories

FREE ASSOCIATION:
Please write down everything you feel, smell, see, hear, remember if you think about...

STORIES: PEARL RIVER DELTA
Please mark your most important places on the map and tell your story of this places (for example, you can also add pictures)

The plane I entered China. Suddenly I didn't really like this place. It was boring, hot and too hot. It was a transitory place. If you walked the room, somewhere else. It was a living neighborhood, it felt much more pleasant. I'd rather Yellow Mountain, China.

The doors opened. The train stopped. It was 7 o'clock. The toilet was extremely smelly. The platform was very crowded, and they charged very cheap shirts.

In 2011

The cleaner finished during the night. It was lonely. There was only sense that I started some nice & cheap design studio.

I really fell in love with this place, because the cleanliness and the constant meetings. I went to the market and the nearby city, it felt like home. For the moment after the day after opening our project location, 2011.}

My location for my project studio. I lived here on my own, to do research about the environment.

Actually the fields near by was for more microcosm. Every busines kid worked there to play together. They played, they had complete climate. I paid, I paid, bike, shuttle... It was a complete. It was once much more, unfortunately because badly paid buying a car next, green rides, and car makes. In 2011.
‘Every morning at 5am I get on the school bus that brings me to the border in order to go to school. My parents think that the schools in Hong Kong are better compared to Shenzhen, but since we cannot afford living in Hong Kong I have to get up really early every day!’
‘Today I have a meeting in Zuhai, tomorrow in Shenzhen and Thursday I can finally go back home to Hongkong. I am really looking forward to the construction of the new train network that will connect all Pearl River Delta cities within less than 1 hour travel time.’
‘Since I have retired from my migrant job I spent my old days with hanging around and playing games with my friends in Mong Kong area. I miss my family that still lives in China, but luckily I can visited them with the Chinese new year and the dragon festival.’
‘My husband works in a Chinese restaurant in London. I have a small restaurant in our hometown that serves lunch to the truck drivers passing by when crossing the border. I hope my man can come back when our local economy will grow again, because of the recent opening our frontier closed area.’
‘Today I spent my time in the wetland park watching the flora and fauna at the northern part of Hong Kong. From here it was possible to see the high rise of newly built China, maybe I will cross the border tomorrow to go shopping in Shenzen, I’ve heard it’s cheap over there.’
DESIGN
atmospheres
ATMOSPHERE

‘Quality architecture to me is when a building manages to move me. What on earth is it that moves me? How can I get it into my own work?’

P. Zumthor, Atmospheres
SLOW ATMOSPHERE
design concept: bagua to anamorphosis
design

swirl and void
swirl and void; two interacting rhythms
swirl and void; access
swirl and void; access
first quality: living edge
second quality: anamorphosis
second quality: anamorphosis

‘what for one person can be ‘movement’ or placeless for another can be valued as place’
inner facade
outer facade
outer facade
outer facade
outer facade
implementation
urban context: atmospheres
section:
relationality of place
section:
temporality of place by light
section: vertical/ transversal movement
design

collection: main structure
design

construction:
second and third structure
materialization atmospheres
Operable window; casement

26 mm adaptive fritted glass
68x82 casement profile
5 mm for rotation - second draft profile
14x46 casement profile
68x100 casement profile
Kerto fineline curtain wall system

Fibre glass textile

Tempered glass
Adaptive fitting
Accurate/motor
Steel frame
Tempered glass

Bamboo screen

26 mm adaptive fritted glass
68x120 casement profile
5 mm for rotation - second draft profile
14x46 casement profile
68x63 casement profile
Kerto fineline curtain wall system

Fibre glass textile
Translucent isolation
Fibre glass textile

Materialization atmospheres
facade detail

- wooden finishing
- Kerto fineline curtain wall system
- 26mm changeable infill
- 200x50 Kerto construction

3D VISUALISATION    DETAIL  A-1 and A-2 1:5

- wooden finishing (adjusted profile)
- Kerto fineline curtainwall system (adjusted profile)
- Kerto fineline ‘invisible’ fixation system
- 200x50 Kerto construction

SECTION I-I' SECTION II- II'

FACADE ELEMENT 1:20
facade to roof
design

climate

SEMI CONDITIONED

1a no heat gain by sun because of cantilevers
1b possible heat gain by hot winds from south; but blocked by orientation
1c only heat gain by temporal use and travalators
2a natural stack effect by evaporation river
2b natural ventilation from under and side
2c mechanical ventilation on roof

CONDITIONED

1a heat gain by sun
1b heat gain by long term use and installations
2a sunshading by cantilever and adaptive fritted glass (integrated in building climate system)
2b mechanical decentralized ventilation system also used for cooling and heating
2c connection to sea water heat exchanger
Models
models