Re-order reconstruction of deductive organization
Re_Grille
2008.03.02 – 2008.06

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We choose to observe the ceiling of the food market in the city because people can see everywhere in the city. As time passes, the ceiling has different form and is continuous to be added. The only purpose is to change properties of the space like covering, taking shelter from rain, extending the building active space and becoming the affiliated space.
We choose to observe the ceiling of the food market in the city because people can see everywhere in the city. As time passes, the ceiling has different form and is continuous to be added. The only purpose is to change properties of the space like covering, taking shelter from rain, extending the building active space and becoming the affiliated space.
Ceiling form will enlarge and narrow down according to street blocks and have a few similar properties:

1. enclosed street block
2. capability of water drainage
3. ceiling would change and grow attachment according to block size

(03-03-01) entrance ceiling exists corner block
(03-03-02) arter ceiling form has no air circulation and is suitable for short distance streets
(03-03-03) Ceiling form of middle section has air circulation and light filter. Ceiling form would develop more styles and become more complicated along with time
(03-03-06) Metamorphosis of basic style and it varies according to street block size
Practical mapping of scale and structural form of block section
1. roof time correspondence
2. structure: post, beam, and lateral bar
3. falling slope correspondence
I realized Graphic Code from abstract pattern that the roof ceiling appearance of density comes from coexistence of major roof structure and minor bar. We could read and deduce back the size, material, and style from the short dash barcode.

[03-05-01]
complete mapping of street ceiling
[03-05-02]
structural bar diagram
[03-05-03]
Vertical bar diagram
[03-05-04]
roof diagram after mergence
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Roof diagram after mergence will transform into model. Different materials come out different thick and limpid vertical board and its height reflects the height of ceiling. Different section can design a whole shape of ceiling.
Vertical panels would be cut into different cantilever panels by lateral bars. And the vertical panels develop new grille opening of supporting panel form solid to void and the whole set would be transformed into spatial models.

(03-07-01) density appearance of different stripe pattern of materials
(03-07-02) choose the upper space with greater difference of roof height
(03-07-03) transform the model into panel and then the vertical panel into grille opening
(03-07-04) suspend supporting panel from grille opening
(03-07-05) abstract spatial model
The opening formed will be a surface feature to measure building structure of the drawing picture and transfer it into a light. By the way, the light having different frequency will reflect the speed.

(03-08-01) Stand broad converts into the broad which is opened.
(03-08-02) The higher board is, the more obvious the shadow is.
(03-08-03) The bottom end of the space model is changed from the ceiling. This vertical edition of structure is the same as horizontal pole in the ceiling of the baseplate.
Stand the spatial model vertically and discover a skin system with thickness

1 change view direction

2 continuous spatial characteristic

(03-09-03) Relationship of ceiling and allies after transformation become another continuous new relationship which links outward skin and vertical homogeneous levels together.

(03-09-04) site is located at Green Alley, Taichung

(03-09-05) I choose this building for the linkage design between skin system and space because the elevator tubes were set around the outskirt of building plan

(03-09-06) Combination of space and model
The best combination of space and model is one. One, 1.1, The building “The One” in Taichung is an example. It combines with its surface system and it will have a different display according to different programs.
[03-11-01]
Because of interfering in surface system, we combine the slope with the elevation of grille and surface system and show spacing unbalanced grill.

[03-11-02]
Because there is a slope in the street system, when it places into the building space, it will transfer it to 90 degree of corner. It becomes corner space and merges all space of every floor.
To analyze the program of every program, complex function of space can let the surface system transformed into 90 degree meaningful.
Urban Gallery
One one 1.1

(03-13-01)
The sections show of one. One 1.1 is like a X-ray to understand the appearance of different grille in different floor. Let prominent grille become balcony and concave grill become a part of space.

(03-13-02)
Restaurant
the 27th and 28th story of 1.1

(03-13-03)
The grille surface system is a part of restaurant. Let the grid structure sloping become extension of the stair and connect the space.
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Restaurant
It is change of shadow from upside to flank side. Because the light throw four side of three-dimension, let the shadow more changeable. The original high ventilation and ambient light of the ceiling will turn into different slope surface and become to light flanking side.
The grille surface system is a part of restaurant. Let the grid structure sloping become extension of the stair and connect the space.
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The restaurant structure is just like ceiling structure. Different appearance can observe the same form and create a flowing space.
Structure

A 488mmx300mm steel beam
B 200mmx200mm H
C 35mmx60mm galvanized steel battens
D 30mmx60mm galvanized steel battens
E 16mm dia. Threaded steel bolt
F 100mmx100mm steel tube
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The horizontal board that the extending structure goes to the indoor space turns into desk, platform footboard. Oblique of the main structure is a part of connection space. The horizontal board that the extending structure goes to the indoor space turns into desk, platform footboard.
Office cafeSection B
(03-21-03)
The horizontal board extends to the room. It can decorate the original structure, too, and at the same time adheres to the original structure, too.

(03-21-01)
The escalator is exported in the face of office cafe.

(03-21-02)
Section A, it is more closed daytime to the part of the grille, and it will become a shining element in the evening.
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Re_Grille

**Structure Detail**

A 488mm x 300mm steel l-beam
B 200mm x 600mm steel I-beam
C 30mm x 60mm galvanized steel battens x 2
D 30mm x 200mm galvanized steel battens x 2
E 16mm dia. Threaded steel bolt
F 30mm x 500mm galvanized steel battens
**Hotel**

**Elevator**

(03-23-01)
The hotel spaces combine with the grille, that stand out of the grille is the balcony and become the part of the elevation.

(03-23-02)
The shadow of the grid different frequency changes on the stairs.
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Re_Weaving
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Re_Weaving
Re-order: reconstruction of deductive organization
Re_Weaving
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Re_WORKSHOP
Redevelopment options for the Schiedamse dijk in Rotterdam

Workshop NCTU October 26 - October 30, 2007-10-25
Redevelopment options for the Schiedamse dijk in Rotterdam
Jaakko van 't Spijker

2007.10.26-2007.10.30
Re-order reconstruction of deductive organization

Introduction:
Rotterdam has traditionally developed as a port city. Since the 1970's, most of the bulk ports have moved out of the city and transformed into larger scale new ports, closer to the sea. About 15 years ago, Rotterdam has started to redevelop into a waterfront city, where the center and the waterfront should be much more connected. For this purpose, a new bridge was built (the Erasmus Bridge) and large scale developments were started up on the south bank of the Maas river (The 'Kop van Zuid'). As the waterfront projects are in progress, it is becoming evident that the connection between the old center of Rotterdam and the river remains weak. Between the central boulevard, the Coolsingel and the Erasmusbridge, there runs a stretch of road called the Schiedamse dijk which is not living up to its potential as a main connector between city and river.
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Re_WORKSHOP
The workshop will start with an introduction about this piece of city, its character, history, policies and public space qualities. As the role of public space and continuity of the city-scape is of increasing importance in the field of architecture and urbanism today, and is one of the large subjects in the international architecture debate currently, the introduction will also touch on some trends and developments going on in the Netherlands and in the world.
This exhibition is a collection of works done in two studios aim to host research-assisted investigations of the library in the digital age of information.

We focus our study on a broadened sense of the books and activities in the library based on the critical discussion about the Cultural, Social, Ritual, and Symbolic System. Further, this studio explores a new spatial conception, e., “transformative and interactive space” based on the concept of “change.” The investigation centers around three types of change: formal, spatial, and relational, that manifest architecturally as a morphing enclosure (the skin) with adaptation programs (the organs) and their variable in-betweens (the space in-between). Then comes a question: how does one comprehend such a spatial system where a constant is relatively missing, and hence impossible to establish a reference point? The concept of “Anatomical Position” was introduced as a basis for developing descriptive models to conceptualize the dynamic space in question. Moreover, the discussion was extended from the physical to the cyber space and their interfaces.
Re-order: reconstruction of deductive organization

Re_Exhibition