



Kyoto, Nara, Osaka and Kansai Science City

The Kyoto City and The Scope of the Old City



Chapter 2 : Do Urban Designs by Codes and Flexibility.

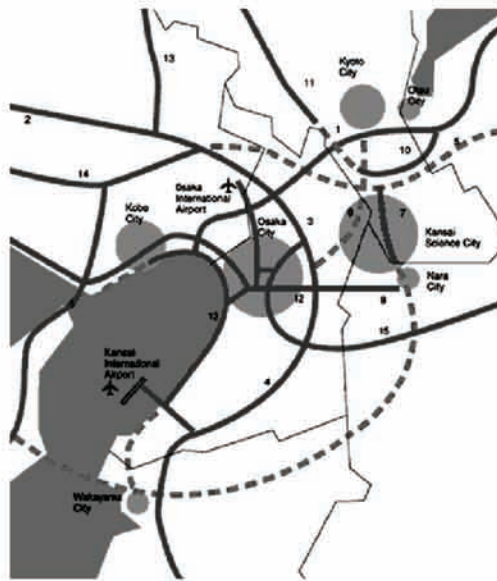
(A project of mine --The inner streets, Kyoto, 2003)

Located in a crowded historical community, this project tried to reach 4 goals by making construction rules and adding a physical system of open space :

1. Create comfortable open spaces.
2. Increase the capacity of the area.
3. Preserve historical buildings.
4. Form a new style of the community.

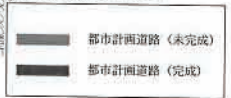


The Spool Axis of Kyoto in 1960's Studies



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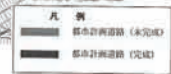
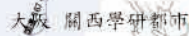
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To understand the reasons, I took a look of the traffics.

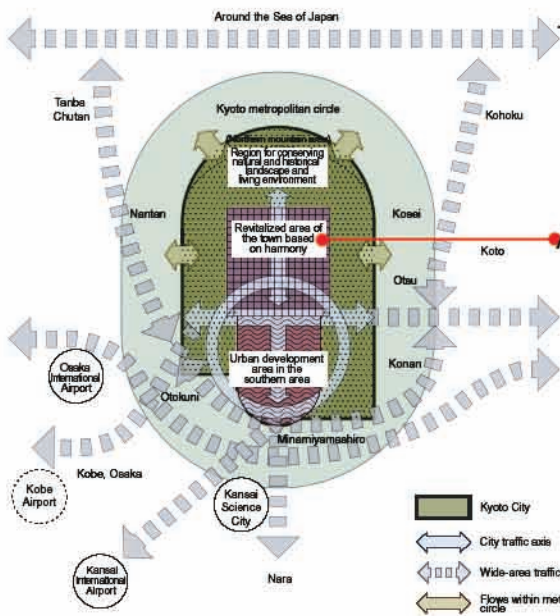


The graphic on the left shows the traffics and the main streets of kyoto today.

The graphic on the left shows the traffics and the main streets of kyoto today.



2-02 **A**nd if we look carefully into the roads and avenues, we'll find that they never go across the old center. For it's too complicated and crowded with historical buildings



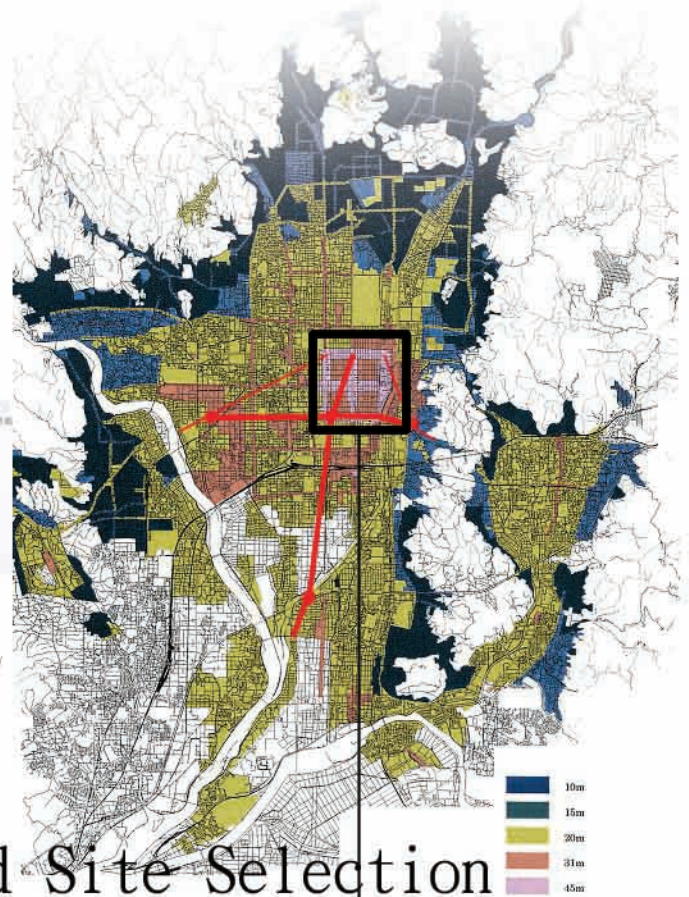
This is the Way How People in Kyoto Loot the City and It's Future

And This is the Area With Which I'm Going to Take Up Later in My Project

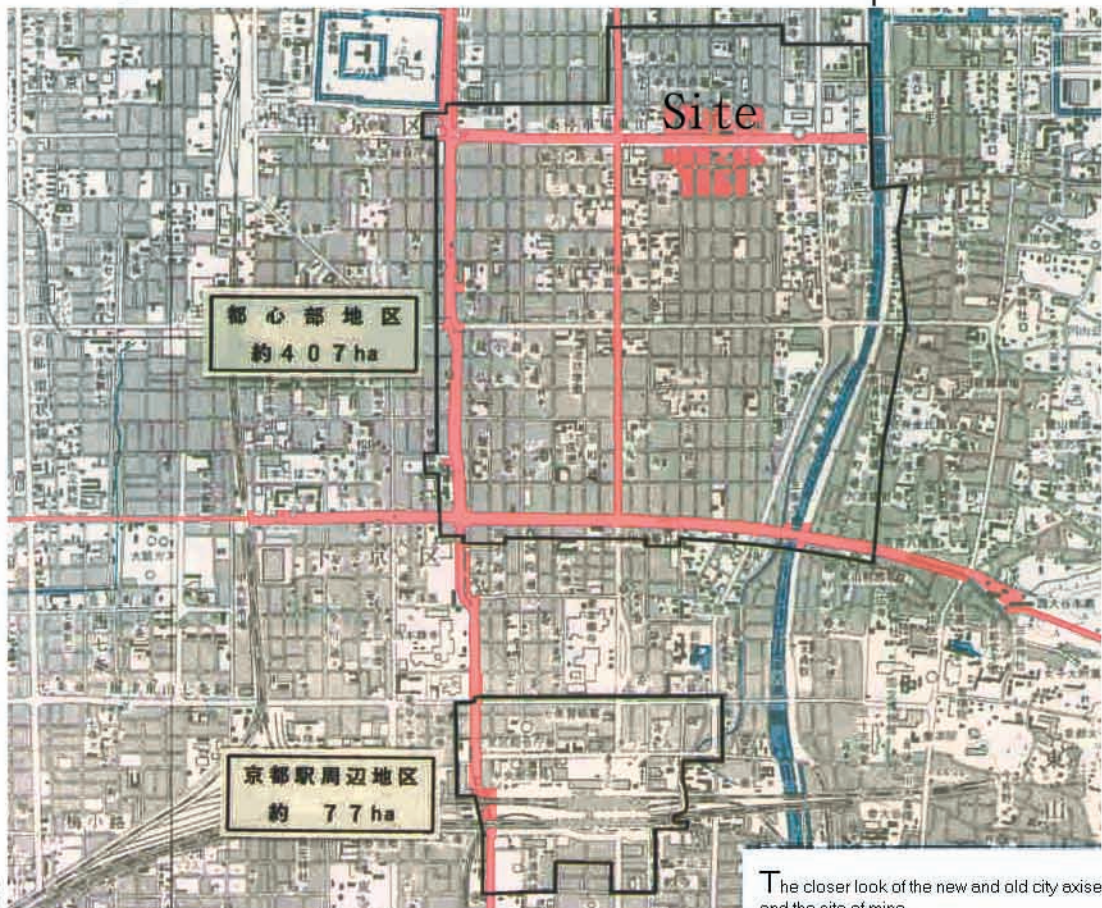


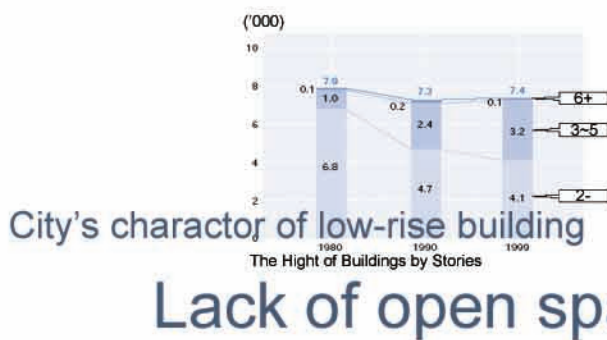
And the zoning of hight limit is just as intresting. The highest parts are in pink and orange.

In this graphic, the 31meters orange zone is seriously cuted by the 20 meters yellow zone.- It's because of all the most important acient monuments. In the old days, they were located in the suburbs.



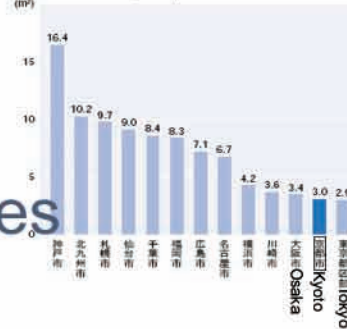
About Hight Limit and Site Selection





3 他都市と比較して少ない公園面積

Area of Parks in Cities per Person



These four graphics are some problems i saw in the Kyoto city.

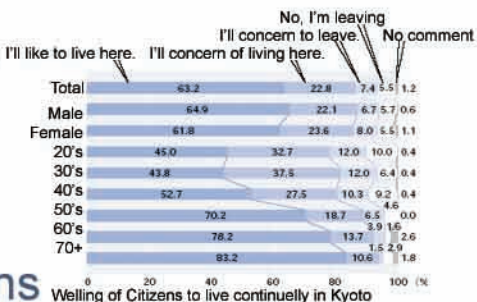
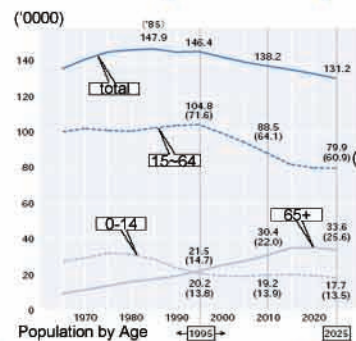
Left-top: the heights of buildings built recently.

Right-top: the measurement of open space available for each citizens

Left-down: the construction of population by the age

Right-down: the willing of continuous living by the age

As we can see, the population is decreasing, people in the age of 20s, 30s, and 40s do not want to live in the city. There aren't many high-rise buildings and the free parks or open space may not be enough.



Growing population of senior citizens Kyoto's Characters and Problems



Two Different Features in my Site, Alone the "Oike-dori" and inside the blocks



A historical city like Kyoto should provide more capacity than a normal city. -the extra capacity is for history

The inner streets should provide comfortable open spaces

The inner streets are for walking and outdoor activities.

The inner streets should work as a network.

The sistem should cooperate with the old one

The sistem should identify itself from the old one

Kyoto The Inner Streets Statements

A historical city like Kyoto should provide more capacity than a normal city. -the extra capacity is for history

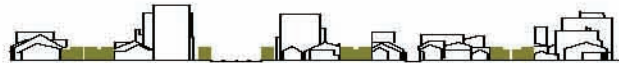
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Inner Streets

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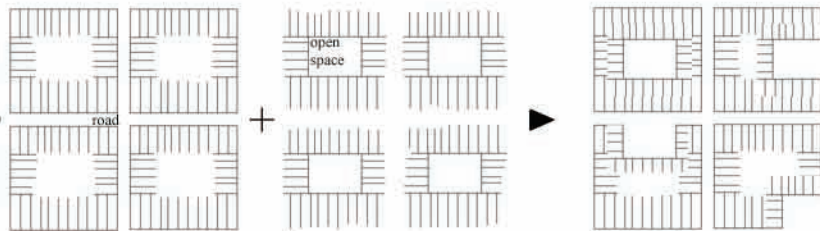
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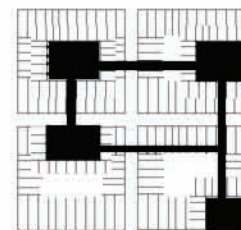
The sistem should identify itself from the old one



This is how traditional blocks developed



Inner Streets



What I have to do is only to make connections and to provide supplying systems

2-05

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The Inner Streets Statements

■ Preserved
■ Outer Level
■ Inner Level
■ New System of Open Spaces

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The inner streets should provide comfortable open spaces

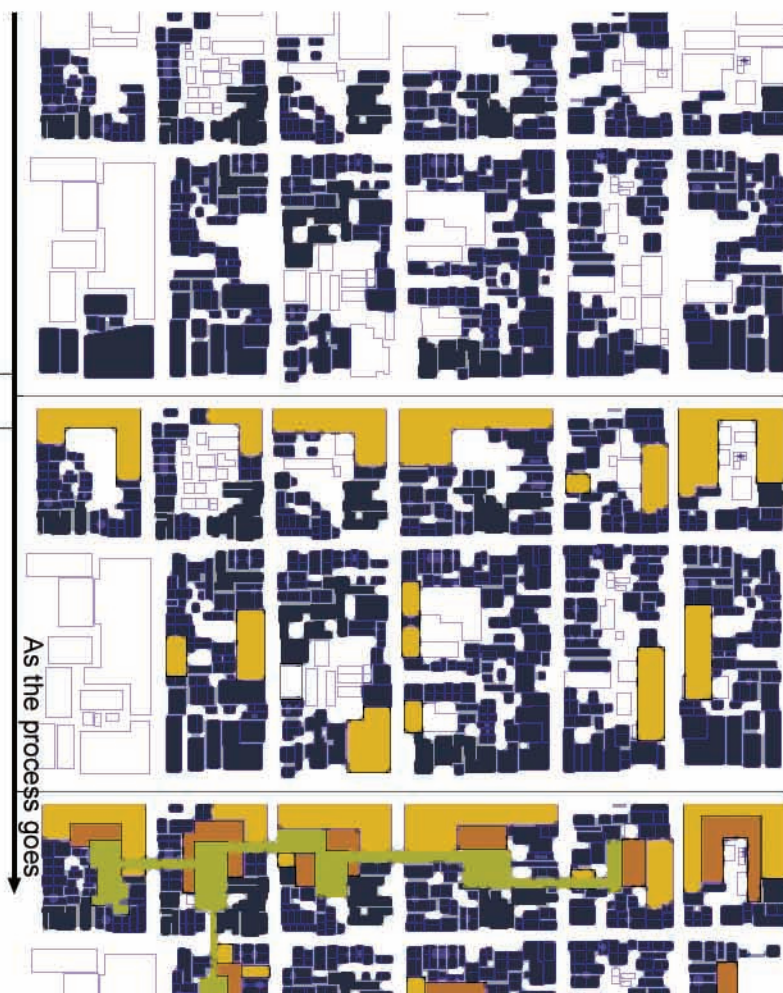
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Kyoto Inner Streets



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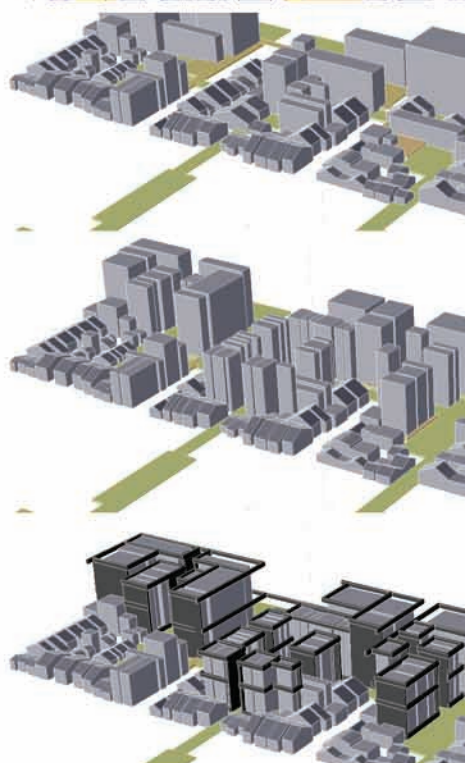
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Kyoto Inner Streets



For the natural organic growing of the city, there are going to be little chance to design the whole area once.

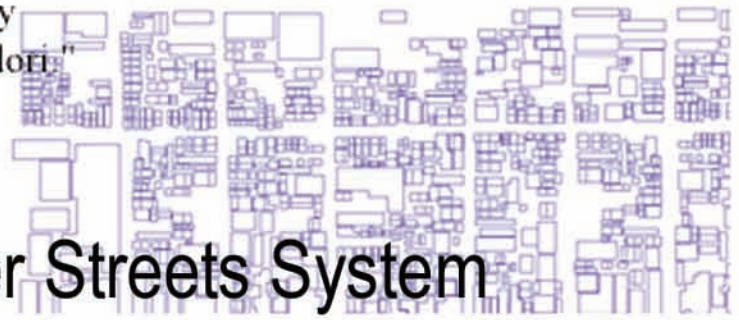
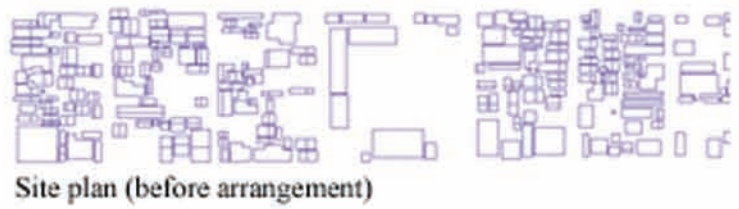
But there is still necessity to bring new orders with in new buildings. The traditional ways to solve this problem is usually by zoning and construction laws.

In this project, I design three different levels of the inner streets, and develop frames that connect with each other. in these frames, I create three dimentional building sites, and give rules of hight, capacity and program,

2-06

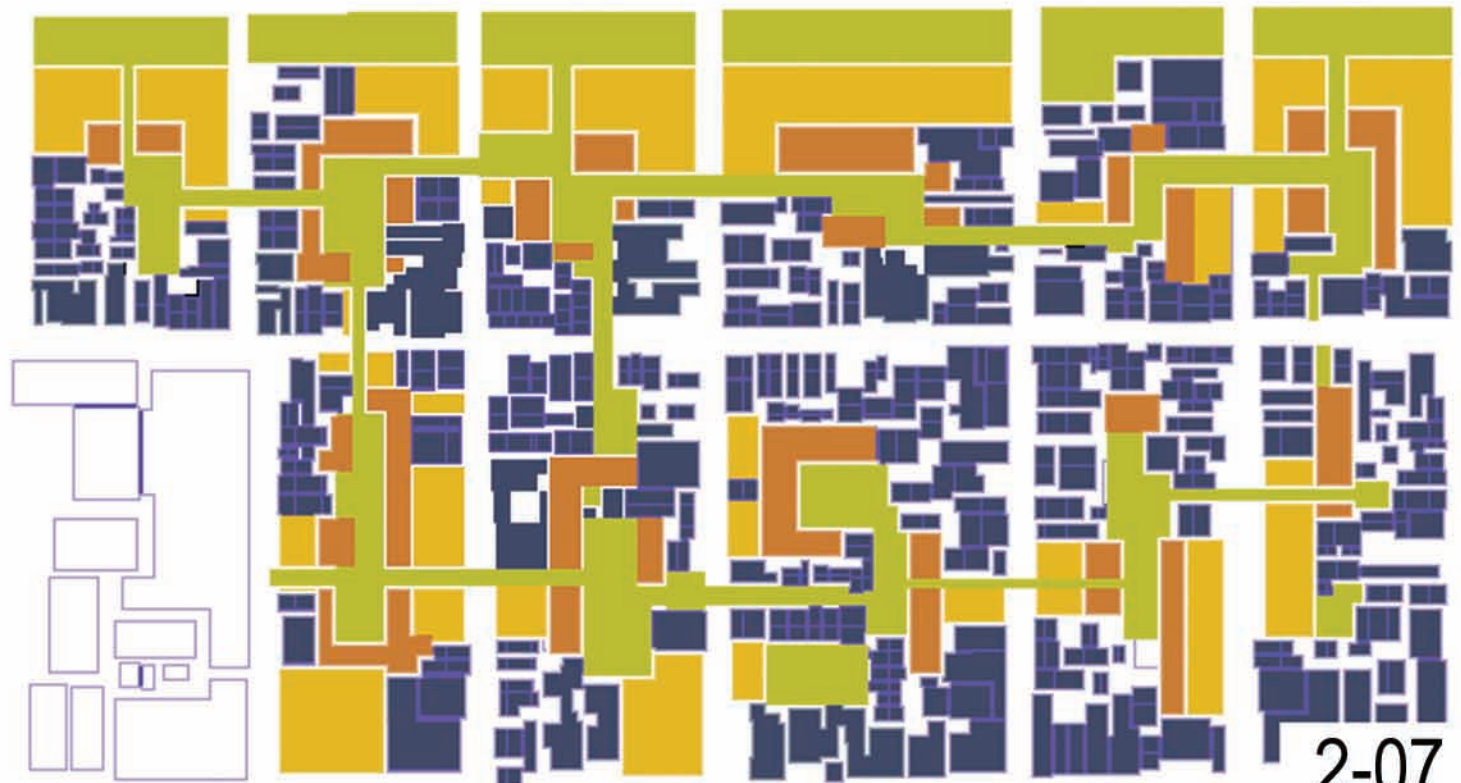
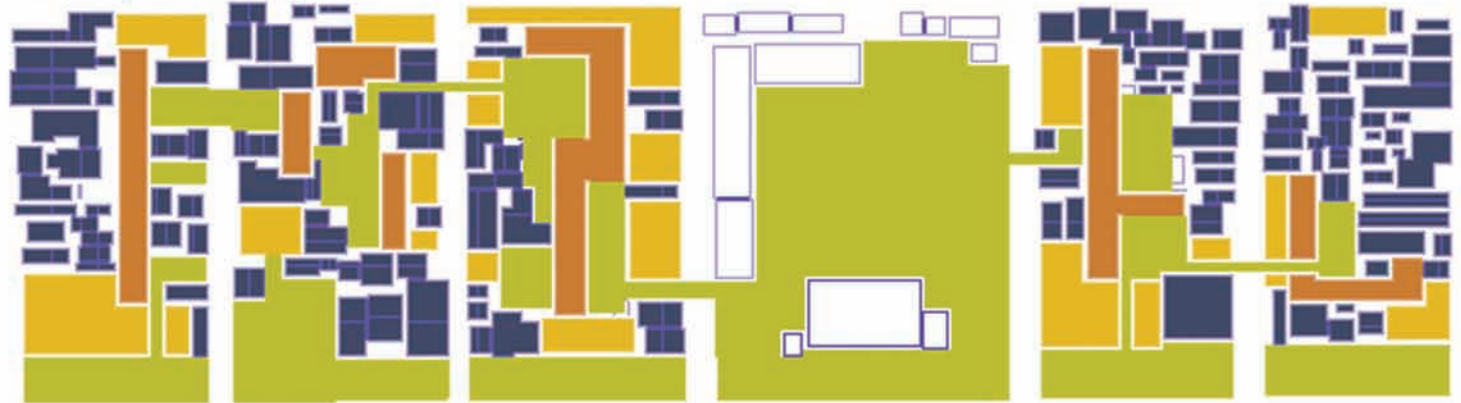
- old buildings
- commercial
- mixed/residencial
- open space/walking path

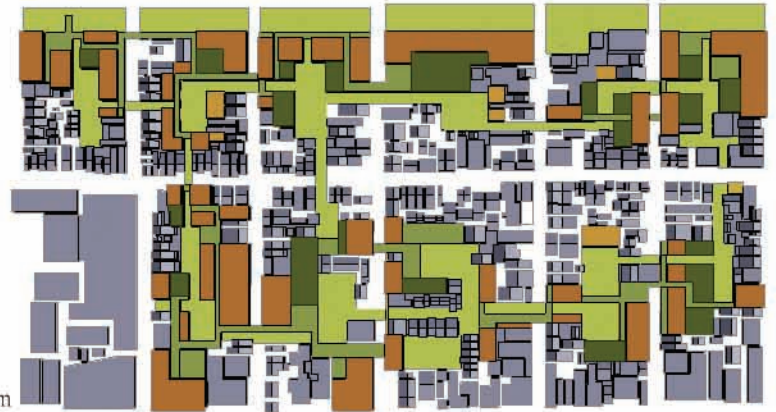
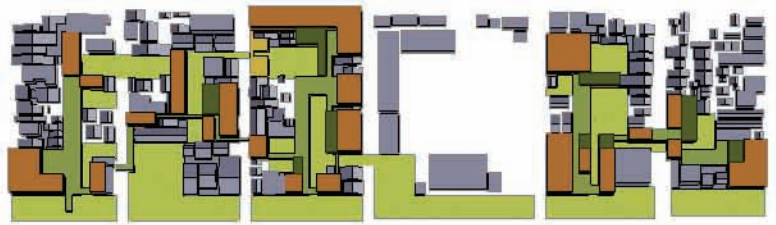
This is a site on the north-east of the old-city
area located on the both sides of the "Oike-dori"



Master Plane of the Inner Streets System

Master plan of the system





- buildings of the existing system
- roofs (over 6 floors)
- inner streets (public, ground floor)
- inner streets level 2 (1-3 floor)
- balconies (4-6 floor)

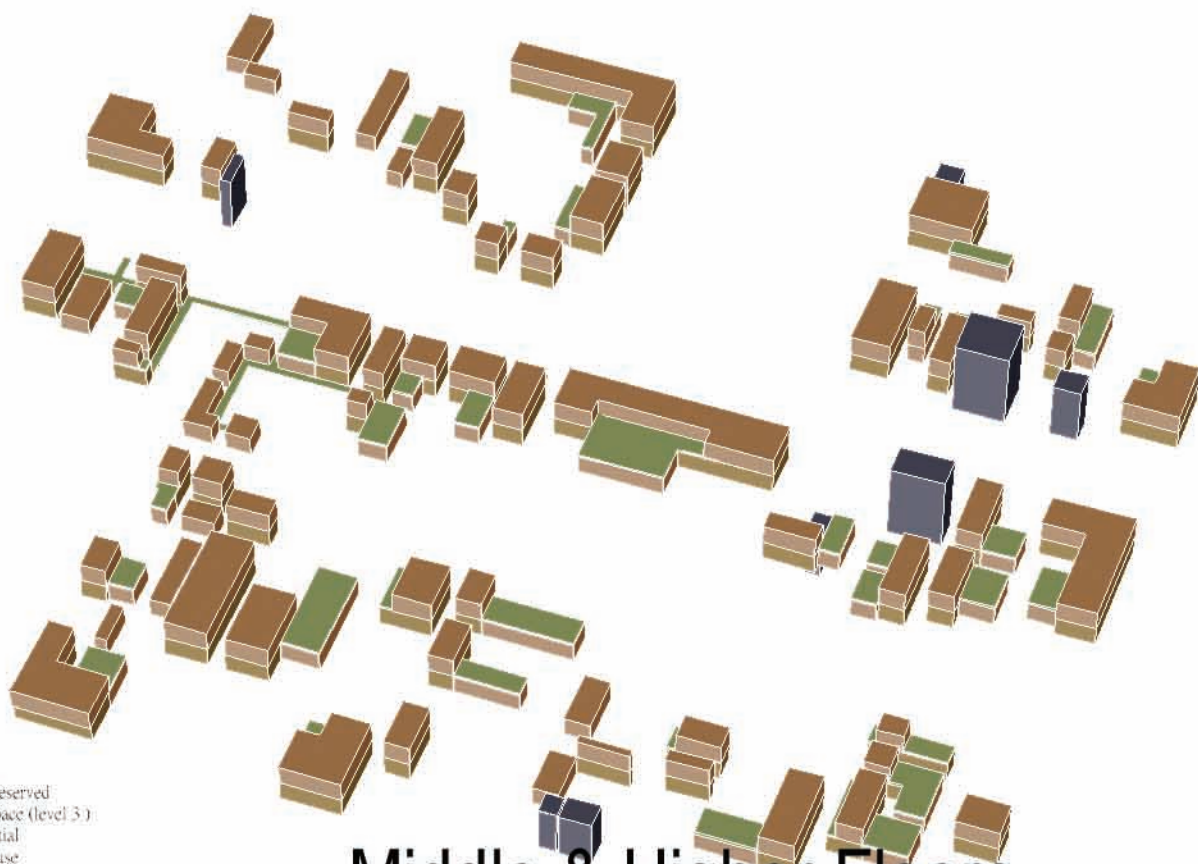
Top View & Lower Floors

Top View of the Inner Streets System



- old / preserved
- open space
- commercial
- mixed use

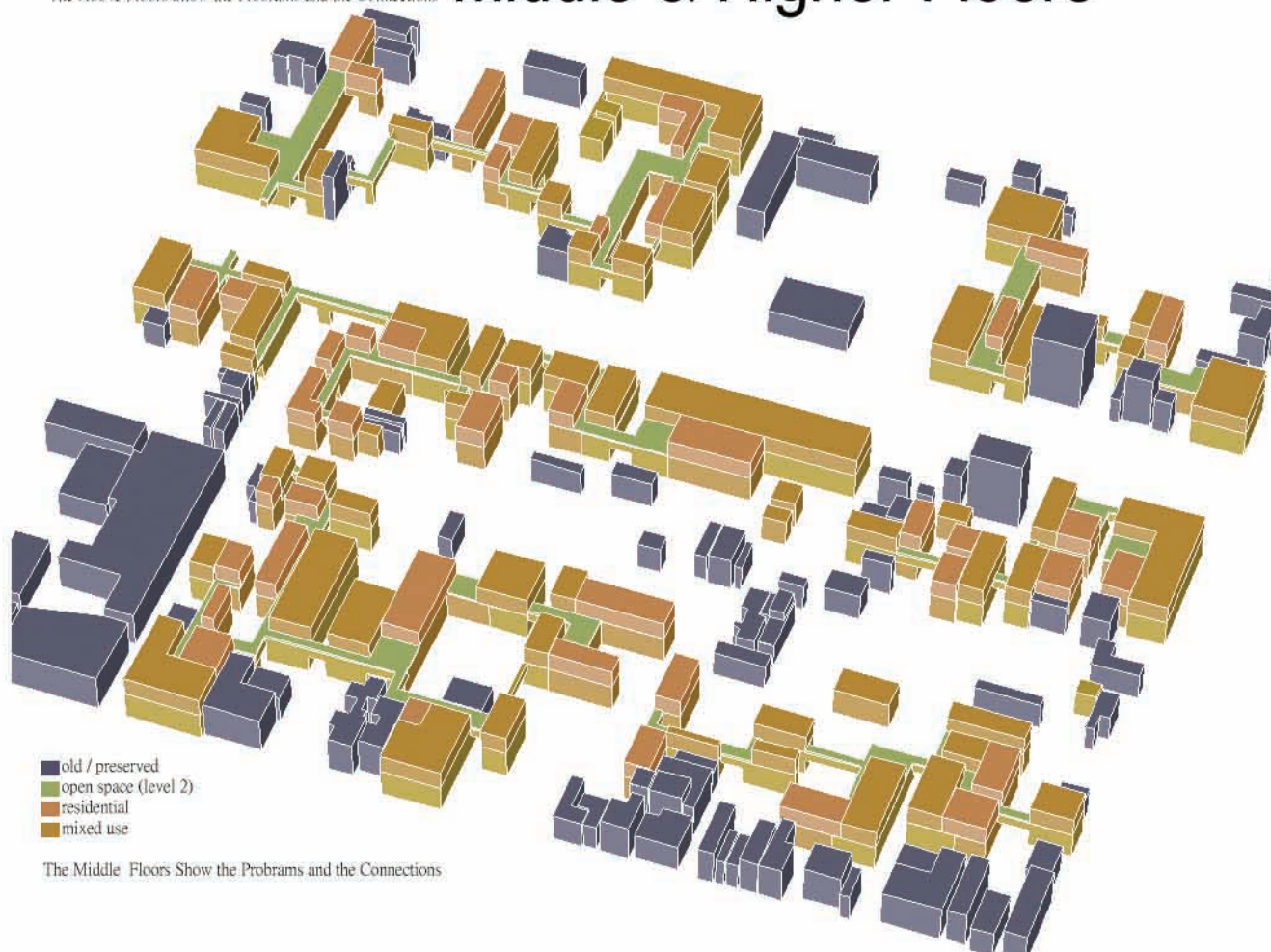
The Lower Floors Show the Programs and the Connections



■ old / preserved
 ■ open space (level 3)
 ■ residential
 ■ mixed use

Middle & Higher Floors

The Above Floors Show the Programs and the Connections



■ old / preserved
 ■ open space (level 2)
 ■ residential
 ■ mixed use

The Middle Floors Show the Programs and the Connections

2-09

Example Blocks



View From the East



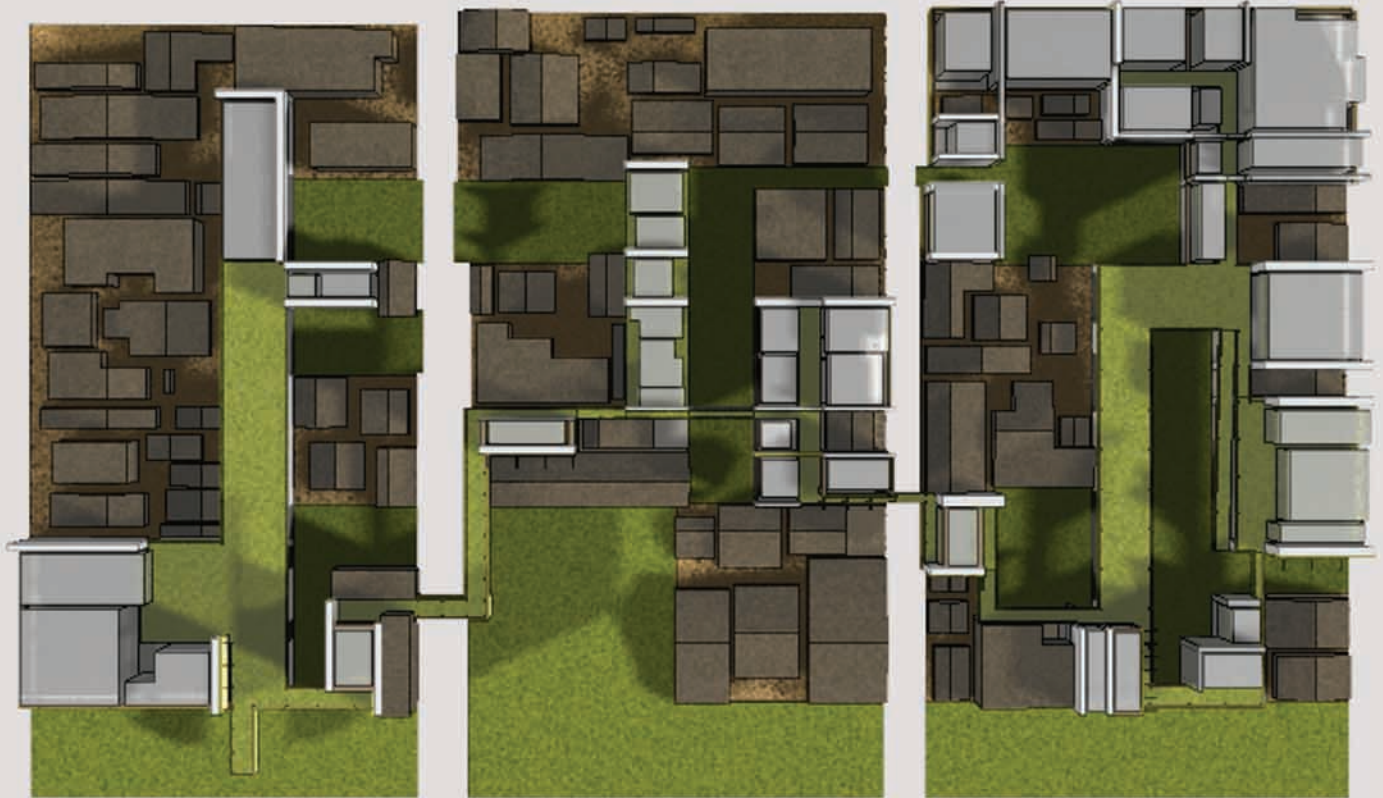
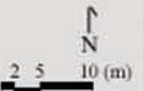
View From the West

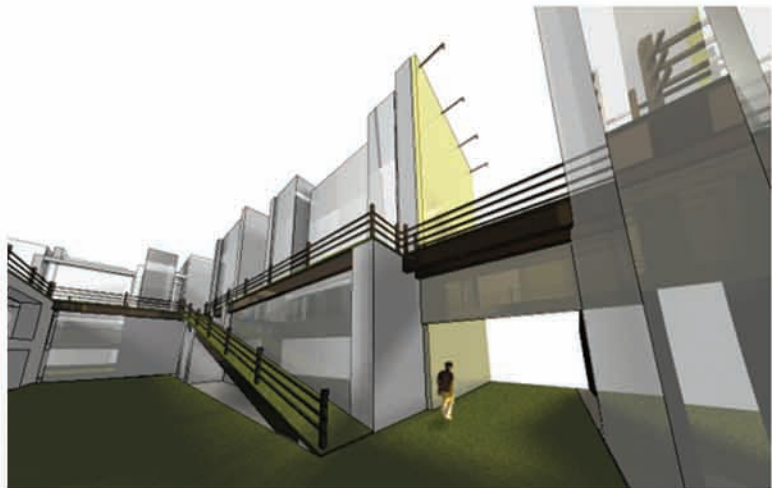


View From the South

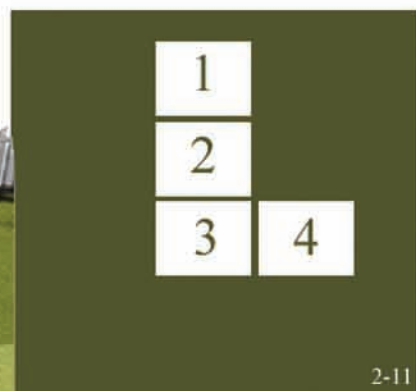
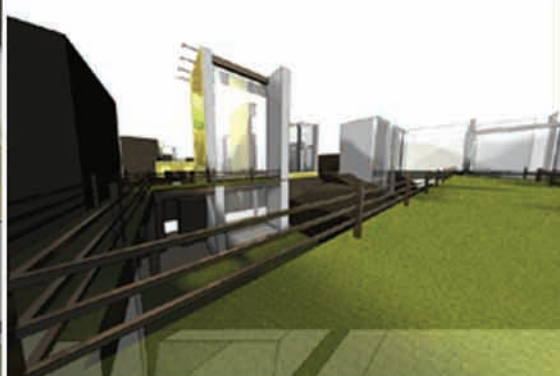
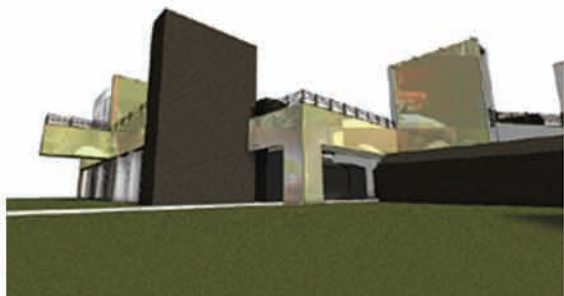
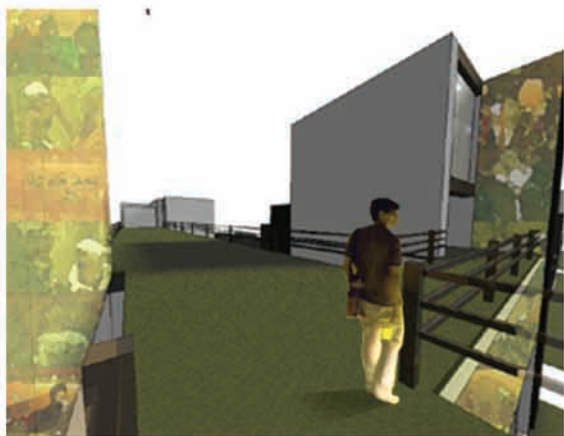
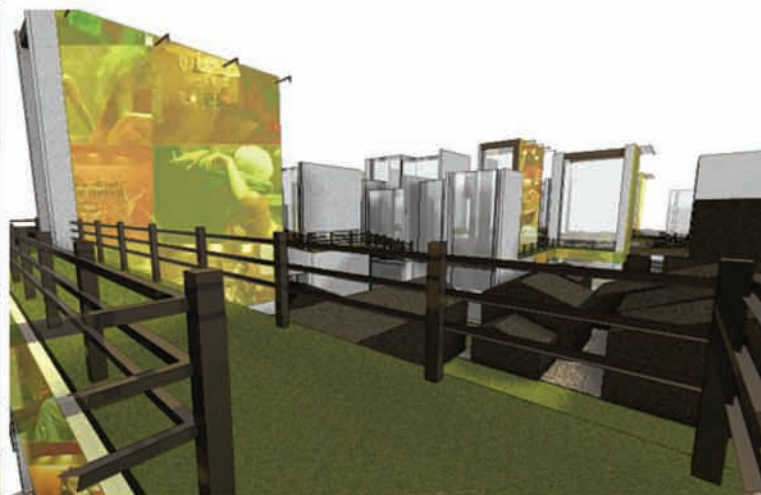


View From the North





Perspectives

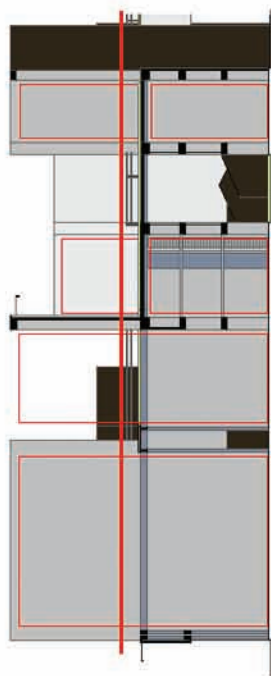
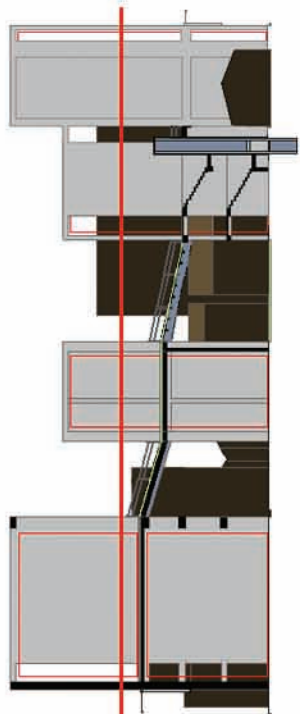
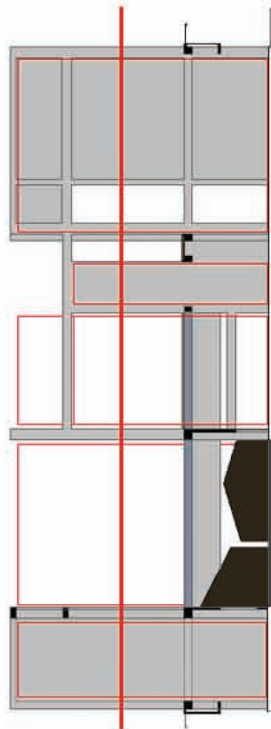


Plane

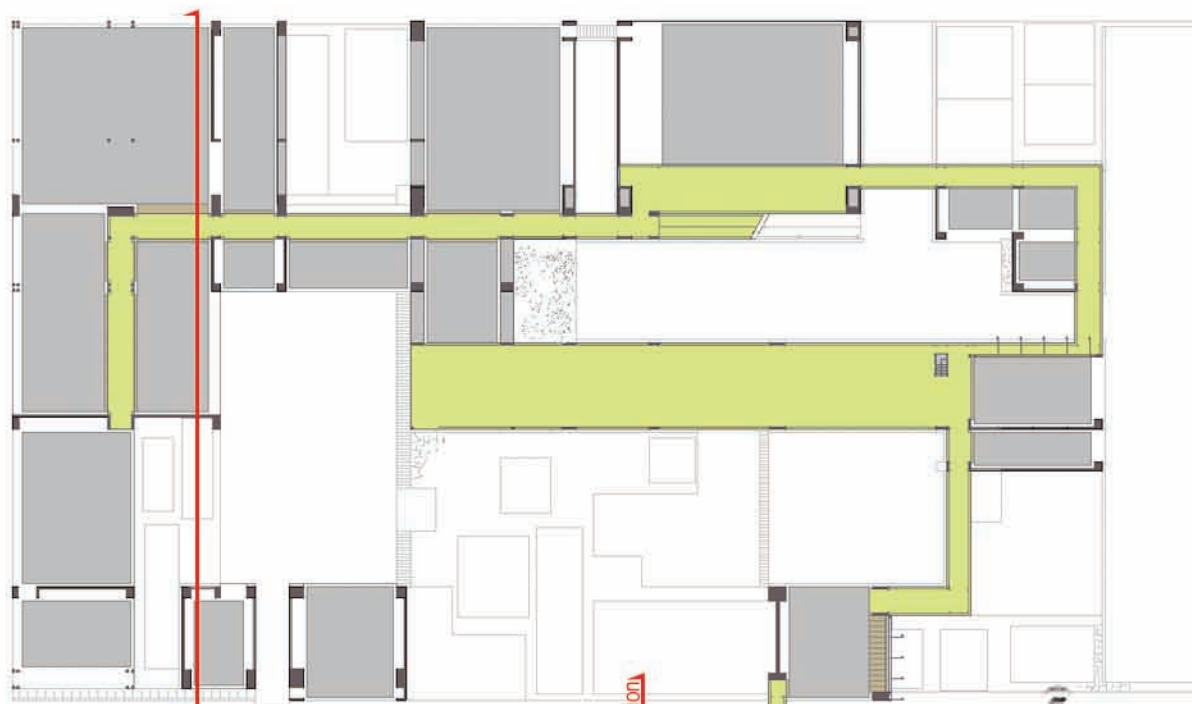


10 (m)
5
2
N





Sections



Section



Section

Plane 2 5 10 (m)



Section