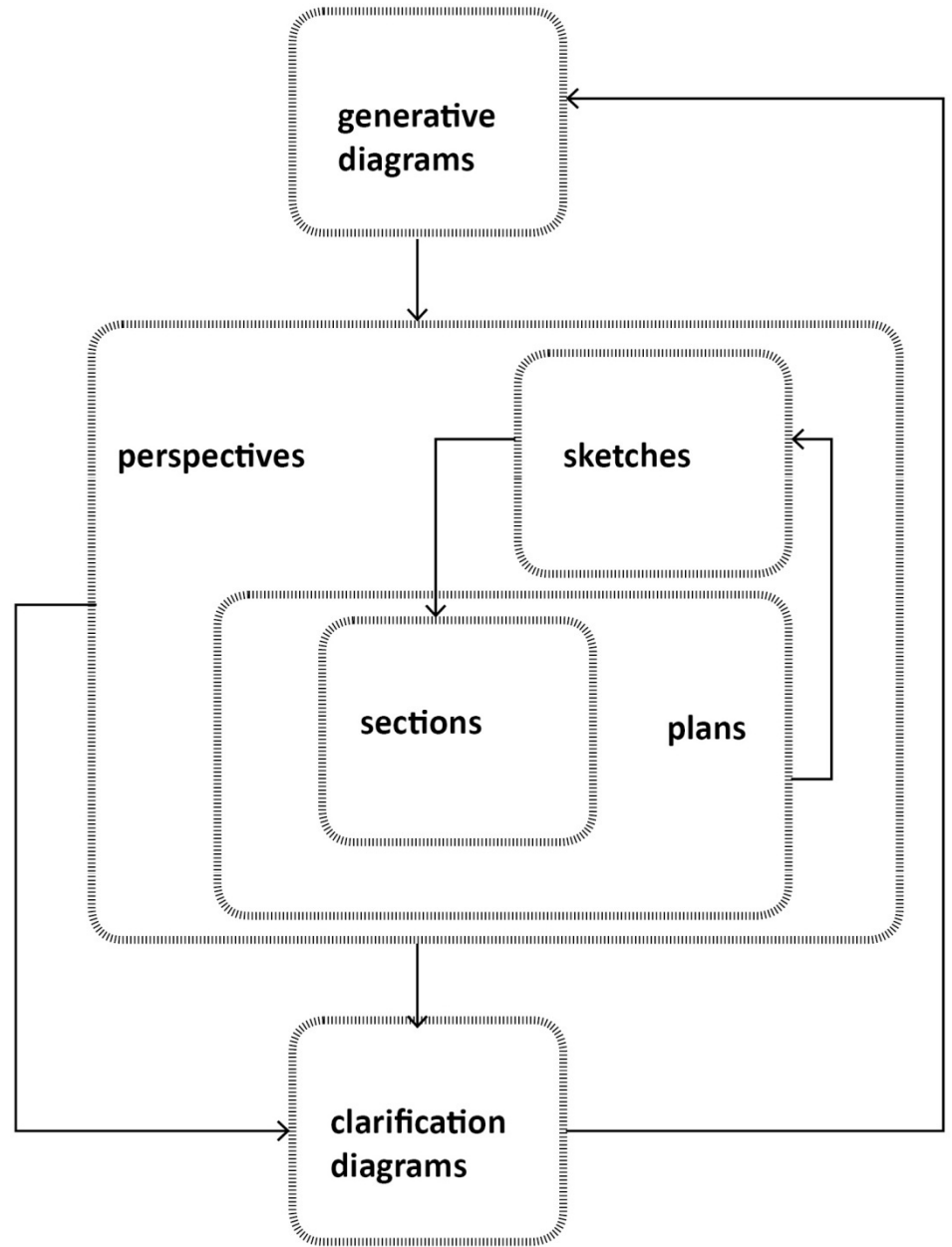
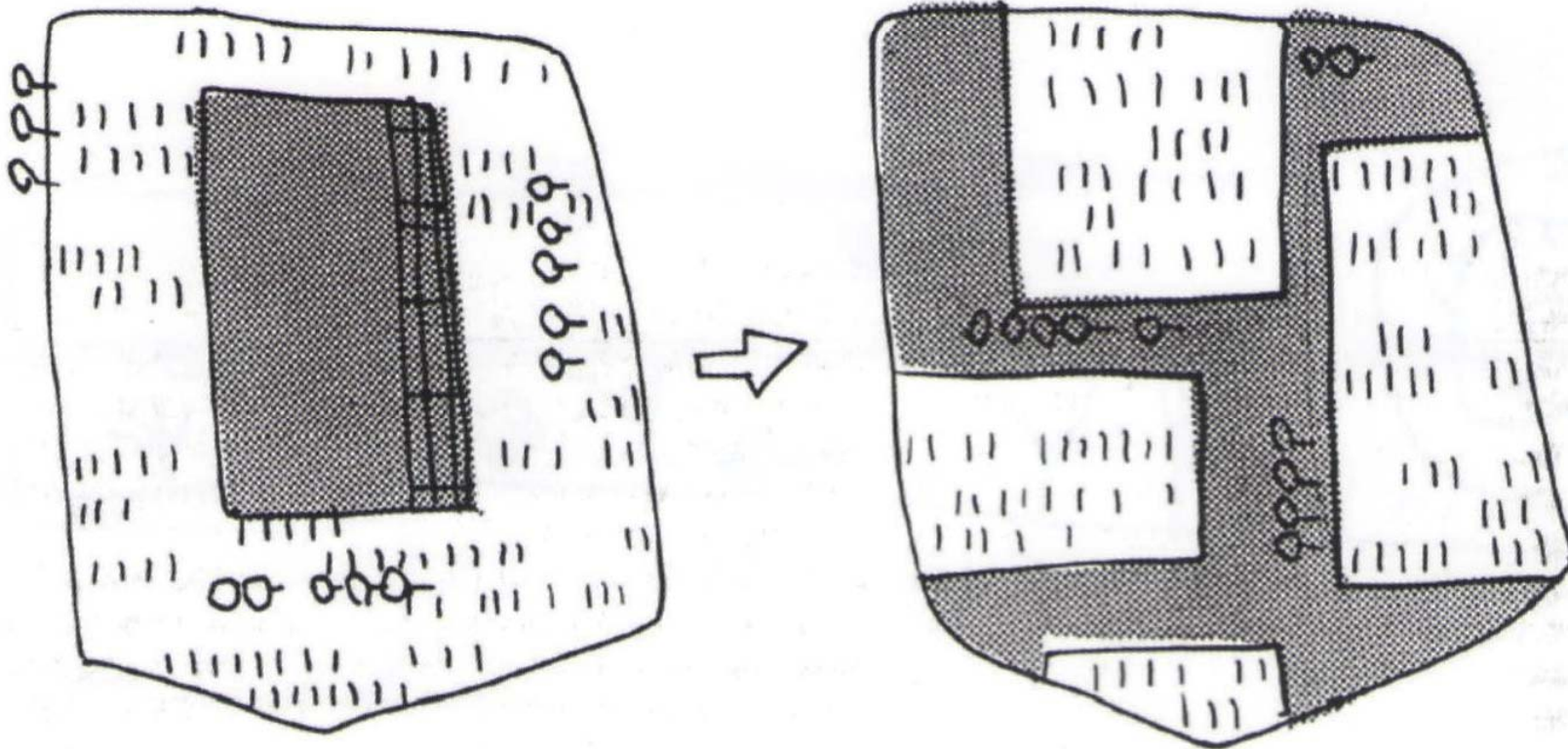


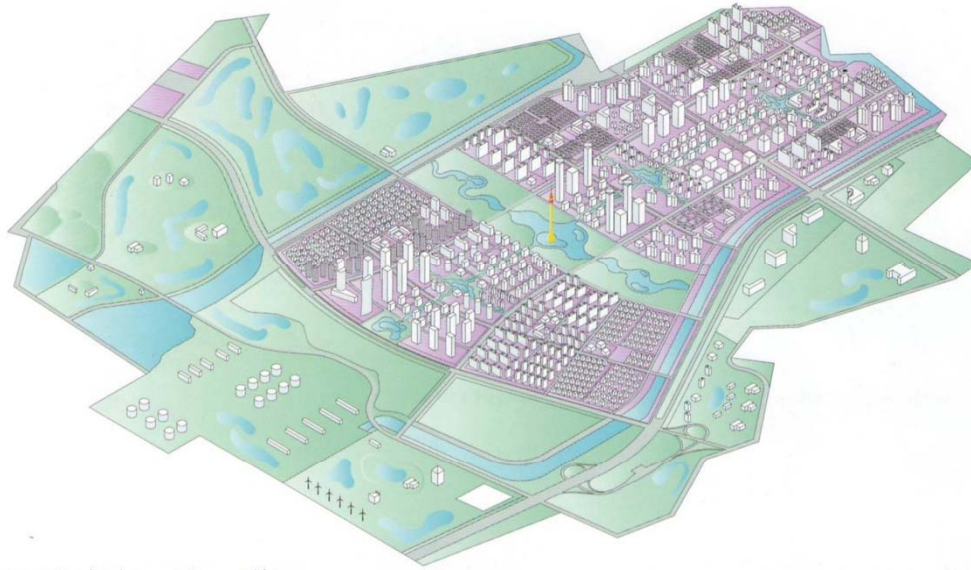
LINEAR



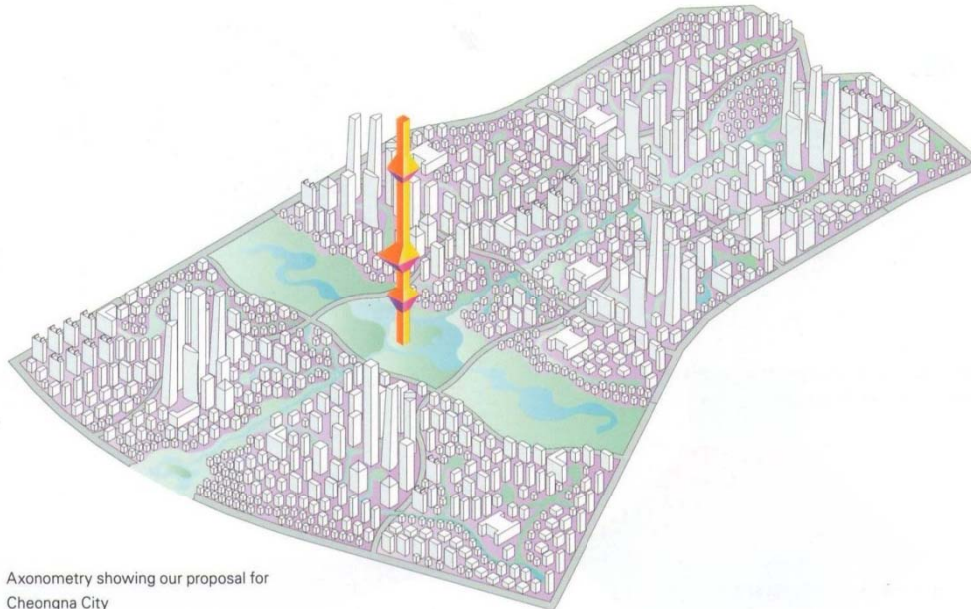
CONVERGENT



Overall massing strategies.



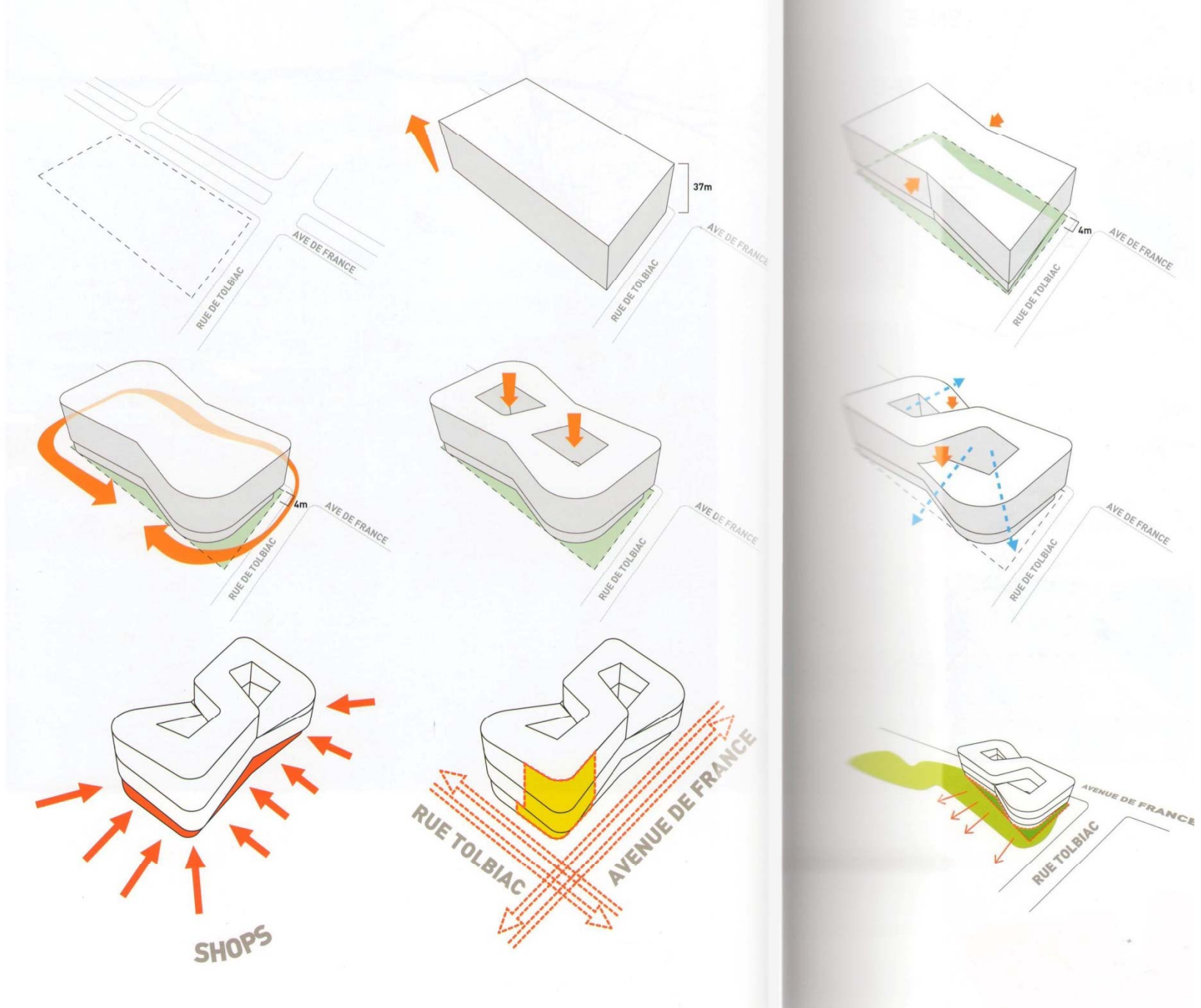
Axonometry showing current proposal for Cheongna City



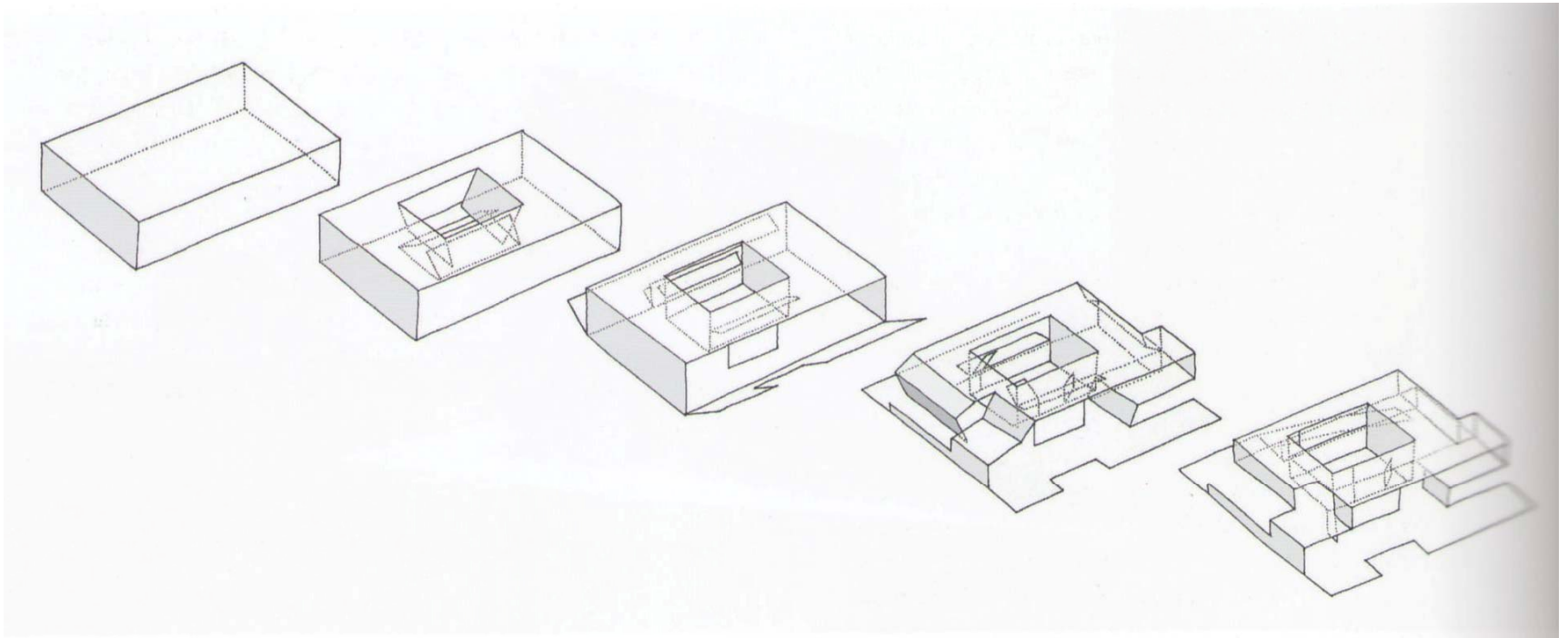
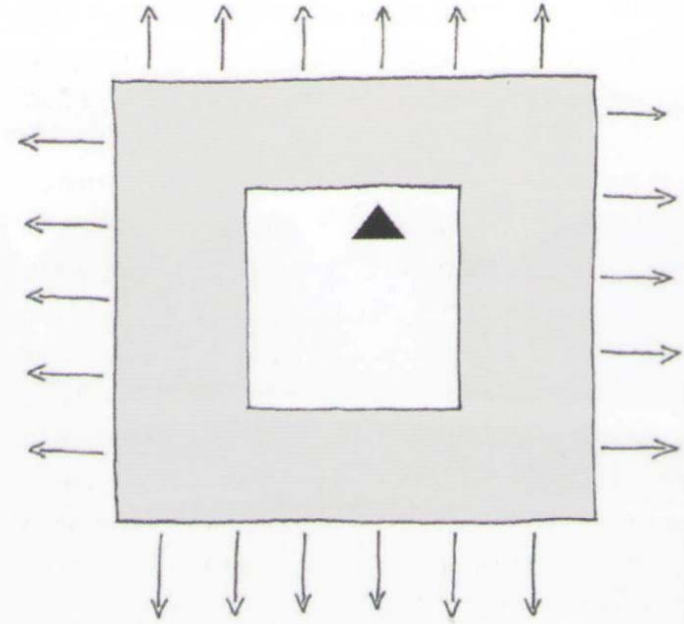
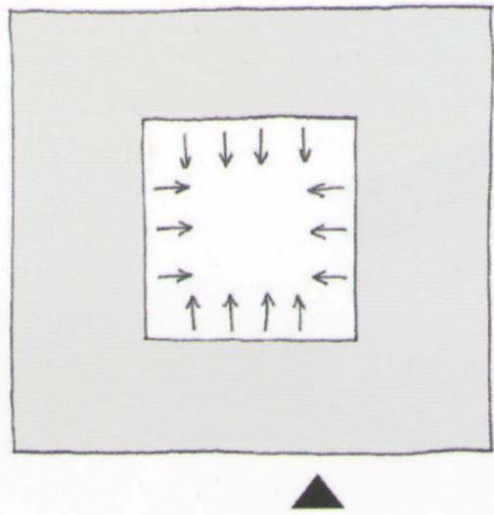
Axonometry showing our proposal for Cheongna City

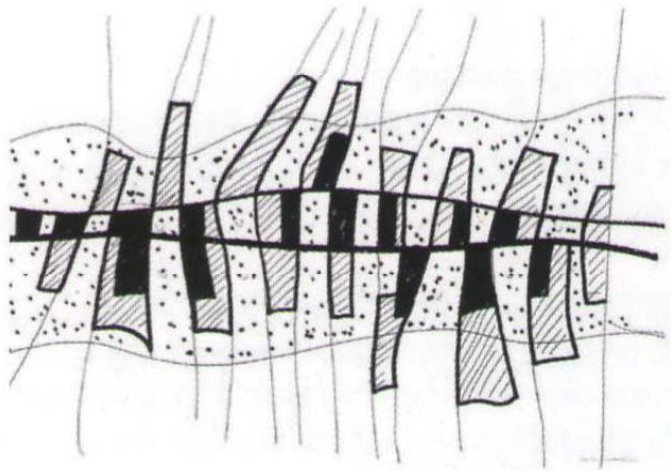
# T8 PARIS RIVE GAUCHE

Program: Housing, office and retail spaces | Client: Boufoundis Marignan | Architects: ECDM architects | Project manager: Mathieu Roggwiler | Images: Arte Factory | Location: avenue de France – rue neuve Tolbiac, PARIS XIII | Site Area: 6,509m<sup>2</sup> | Built-up area: 34,439m<sup>2</sup> (residential area 5,950m<sup>2</sup>; commercial area 8,452m<sup>2</sup>; offices area 20,037m<sup>2</sup>; facilities 700m<sup>2</sup>) | Cost: € HT | Competition: 2007, June

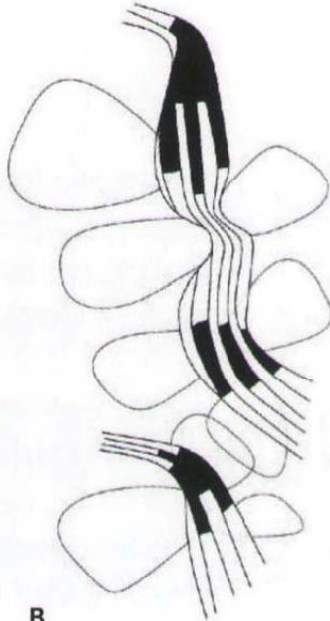




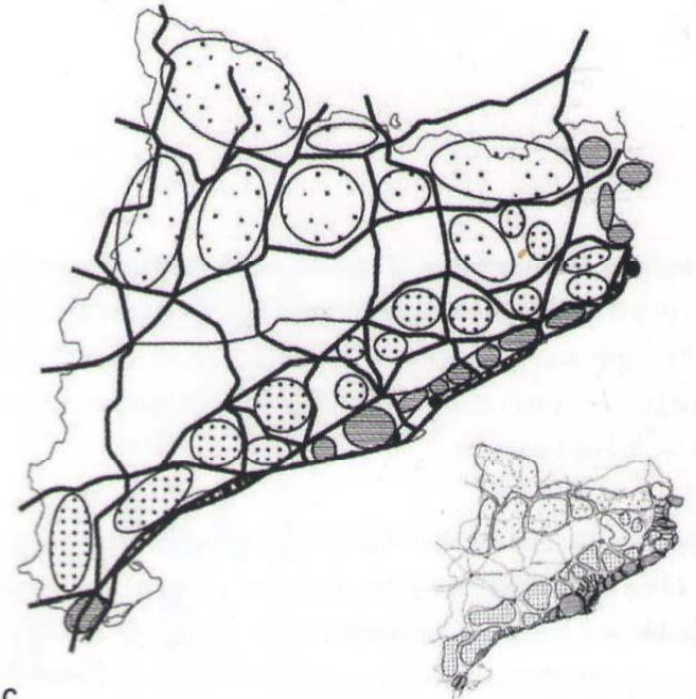




A



B



C

3 'Scalar' diagrams that go from urban > building > interior





Ecological corridor diagram



downtown

urban voids



2006



2006

2007

green spaces



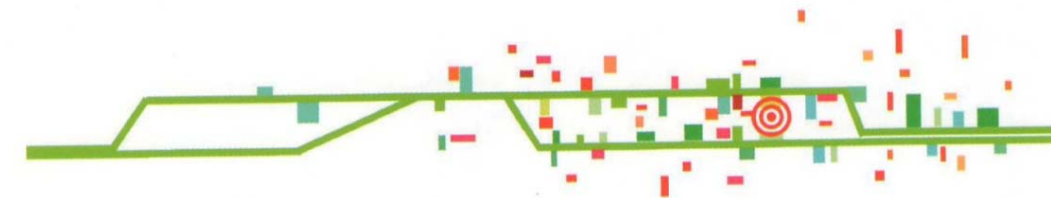
2009

urban catalyser



2012

new programs



2015



2030



Section diagram



2006



2007



2008



2009

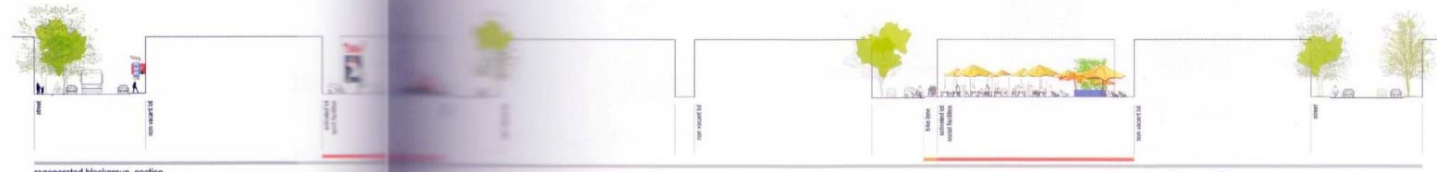


2012

Section transversal corridors



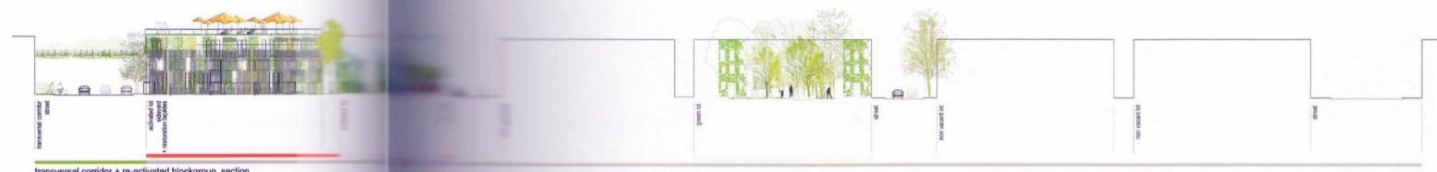
ecological corridor, transversal section



regenerated block group, section



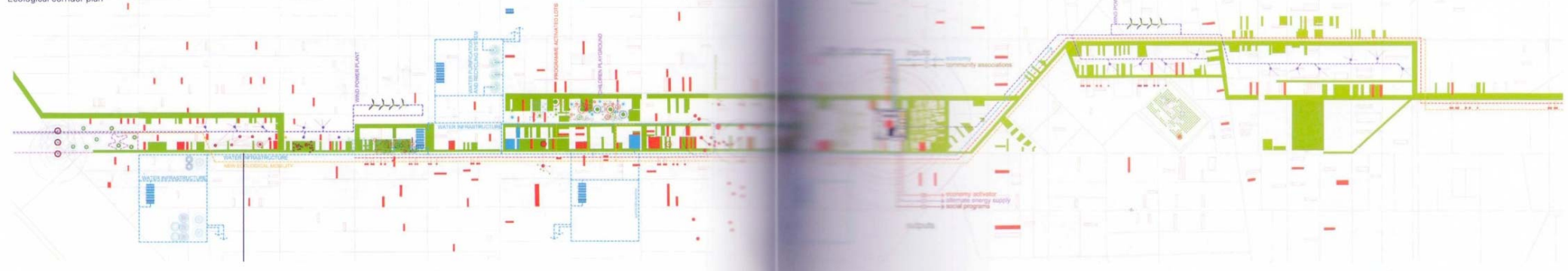
re-activated block group, section



transversal corridor + re-activated block group, section

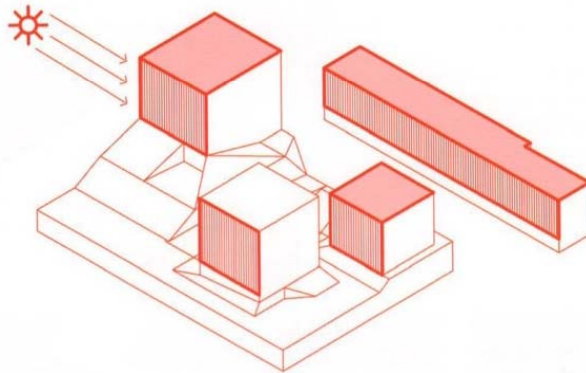


Ecological corridor plan



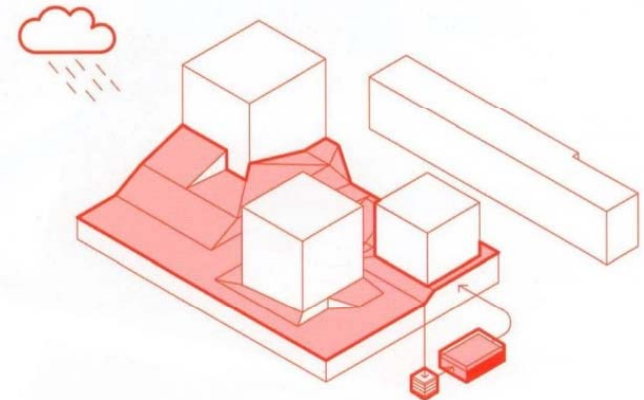
### ENERGY PRODUCTION

Roof-integrated photovoltaic system is expected to deliver electricity that is able to cover the energy needs of the LED-based lighting system. An innovative solar air collector in the south, east and west façades pre-heats the fresh ventilation air in the winter, reducing the actual energy needs.



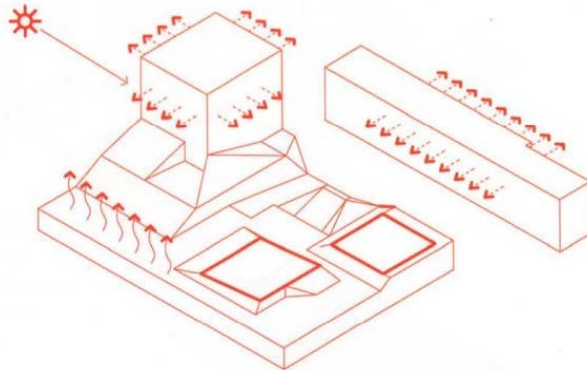
### WATER COLLECTION

Water must work in cycles. Rain water will be collected in roofs, recycled and stored in underground tanks and pumped back to be used again, in a grey water system. Such a short circuit saves a lot in transport, and evaporation associated with the current city networks as well as the cost of purification of water that will not be used to human consumption. It will only use network water for the drinkable needs.



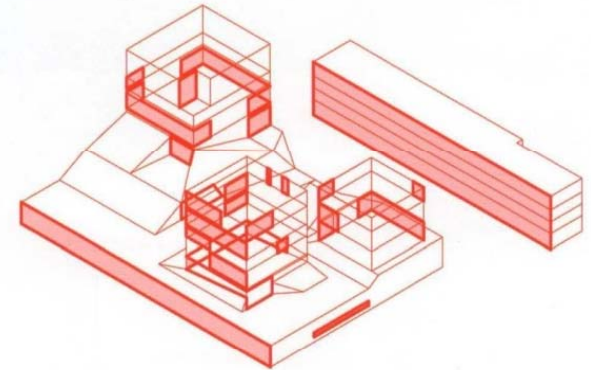
### NATURAL VENTILATION

High thermal mass attained by heavy weight construction allows for smoother internal temperature profiles. Night cooling is considered in the summer season. Taking advantage of moderated ground temperatures, fresh air is pre-cooled in ground pipes before the HVAC system.

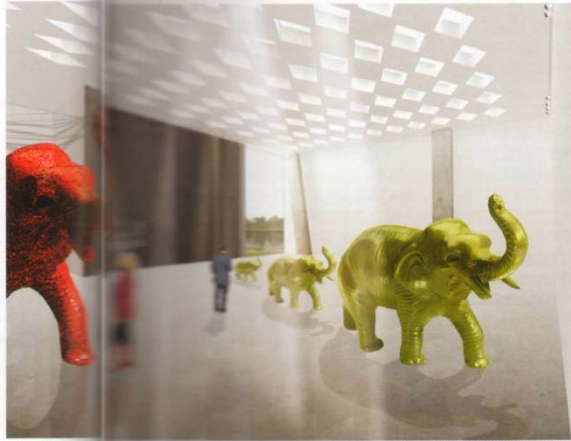


### NATURAL LIGHT

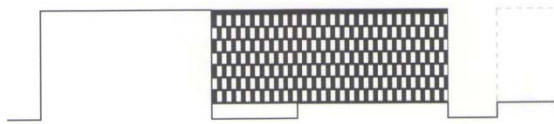
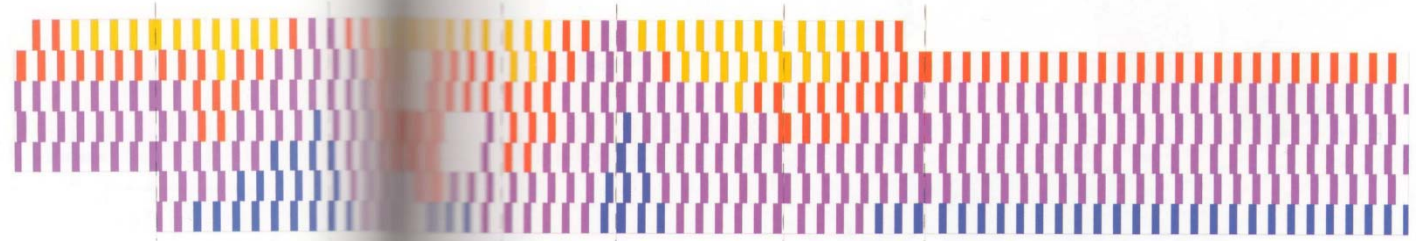
The light control that is made by the façade system and high efficiency glass saves energy, as well as the led lighting technology. All spaces have natural lighting including exhibition spaces, except for one room and the underground ones. This helps reducing significantly the power consumption.



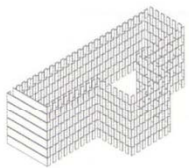








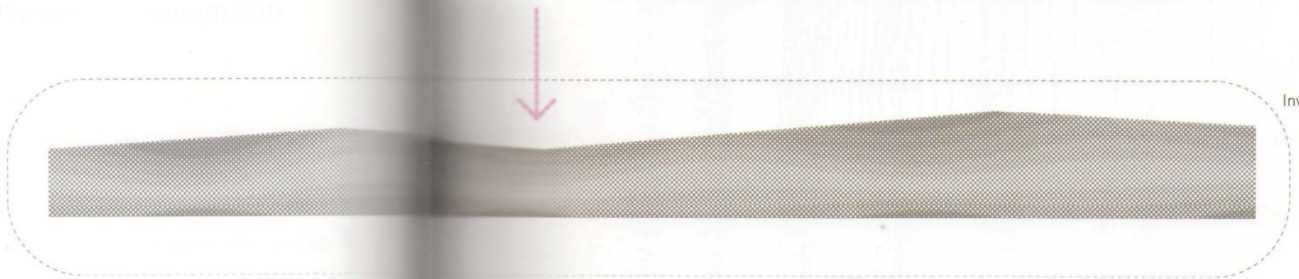
■ plein  
□ vide



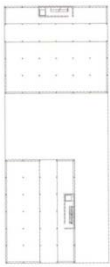
Niveaux



Pixelisation



Inversion des nuances



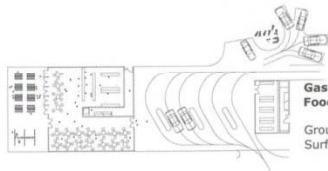
**Office**  
Building A  
Surface Area: 5603.19m<sup>2</sup>



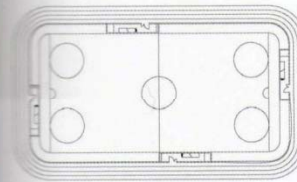
**Office**  
Building B  
Surface Area: 4847.13m<sup>2</sup>



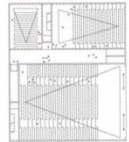
**Bus Terminal with  
Travel Agency**  
Ground Floor  
Surface Area: 1495.74m<sup>2</sup>



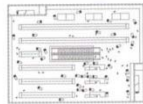
**Gas Station with Fast  
Food Restaurant**  
Ground Floor  
Surface Area: 517.70m<sup>2</sup>



**Ice Skating Rink**  
Ground Floor  
Surface Area: 2805.81m<sup>2</sup>



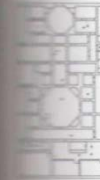
**Cinema**  
First Floor  
Surface Area: 888.72m<sup>2</sup>



**Supermarket**  
First Floor  
Surface Area: 740.6m<sup>2</sup>



**Bowling Center**  
First Floor  
Surface Area: 1000m<sup>2</sup>



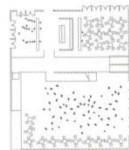
**Hamam**  
First Floor  
Surface Area: 952.2m<sup>2</sup>



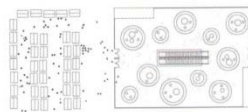
**Fitness Center &  
Restaurant**  
First Floor  
Surface Area: 1238.24m<sup>2</sup>



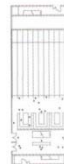
**Community Center**  
First Floor  
Surface Area: 338.5m<sup>2</sup>



**Fresh Foodmarket**  
Ground Floor  
Surface Area: 924.62m<sup>2</sup>



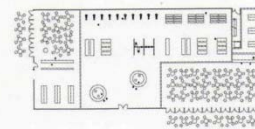
**Fresh Foodmarket**  
Ground Floor  
Surface Area: 770.52m<sup>2</sup>



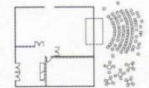
**Public Pool**  
Ground Floor  
Surface Area: 1000m<sup>2</sup>



**Public Pool**  
Ground Floor  
Surface Area: 990.67m<sup>2</sup>



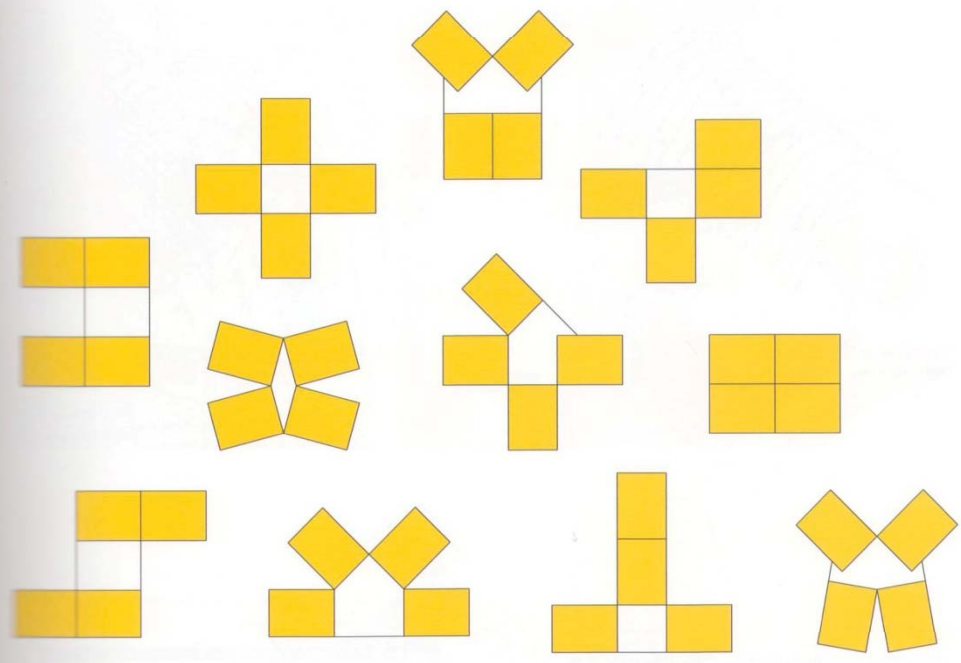
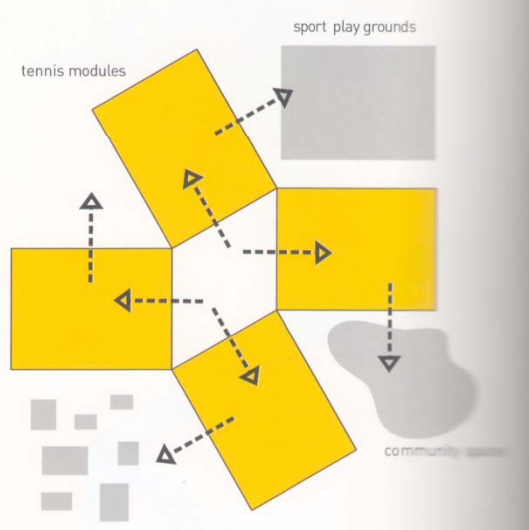
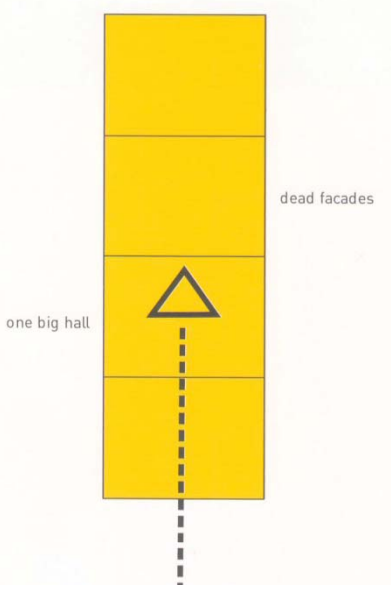
**Public Pool**  
Ground Floor  
Surface Area: 1320.89m<sup>2</sup>



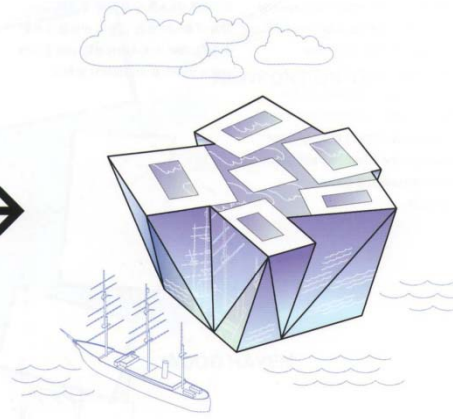
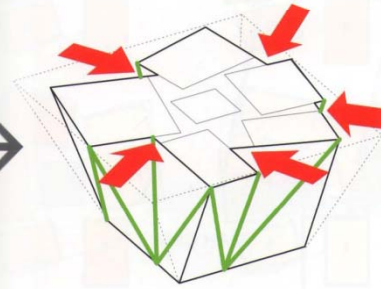
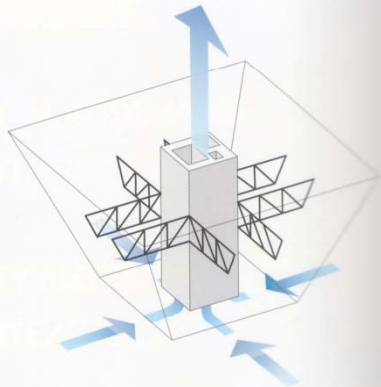
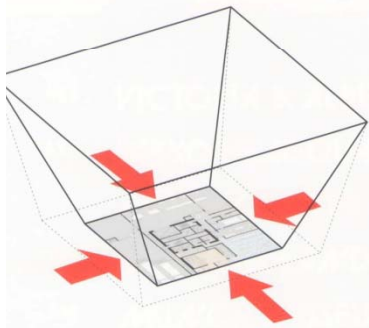
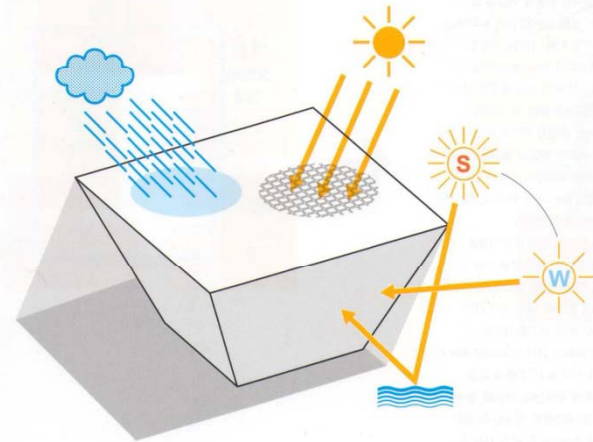
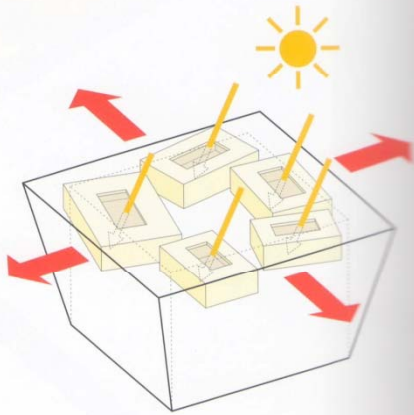
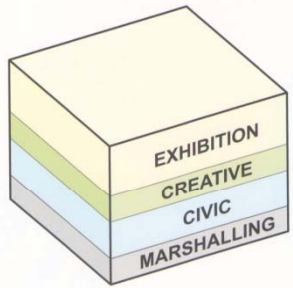
**Public Pool**  
Ground Floor  
Surface Area: 352.2m<sup>2</sup>

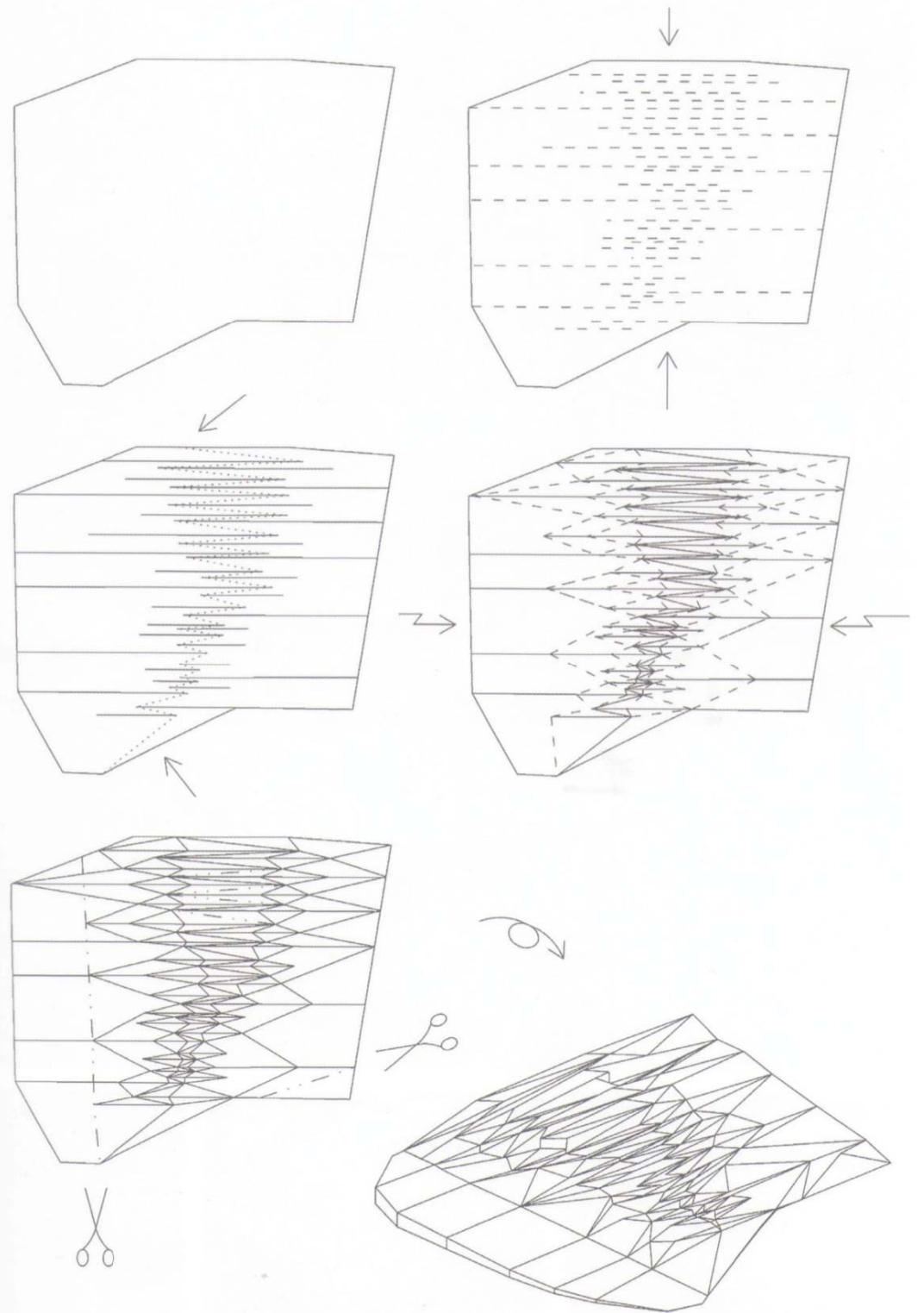
# Programmatic strategies

# FUNCTION









Circulation strategies.

