FROM THOUGHT TO EXPRESSION

THE DESIGN PROCESS IS A VISUAL PRACTICE

DIAGRAM

A VISUAL COMMUNICATION

Diagram

Essential representation for thinking, problem solving, and communication in the architectural discipline

Diagrams

express, develop, explore, communicate and present ideas and solutions

Architectural diagram represents

Methods Process **Definitions** Statements Proof of propositions Configurations Characteristics Spatial connections Shape Orientations/Directions Forces Flows

GRAPHIC PRESENTATION

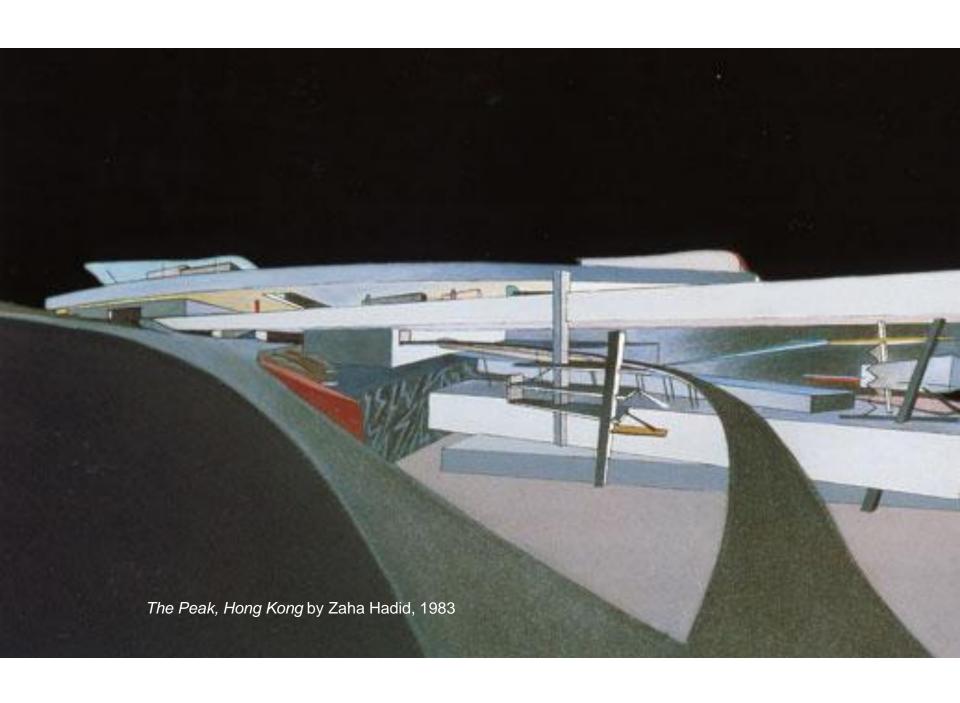
GENERATIVE DIAGRAMS DESCRIPTIVE DIAGRAMS ANALYTICAL DIAGRAMS

GENERATIVE / DESCRIPTIVE DIAGRAMS

- 1- CONCEPTUAL DIAGRAMS
- 2- POSITIONAL DIAGRAMS
 - 3- DATA MAPPING
- 4- TRANSLATIONAL DIAGRAMS
- 5- DEMONSTRATIVE DIAGRAMS
 - 6- CARTOGRAPHIC MAPPING

CONCEPTUAL DIAGRAM





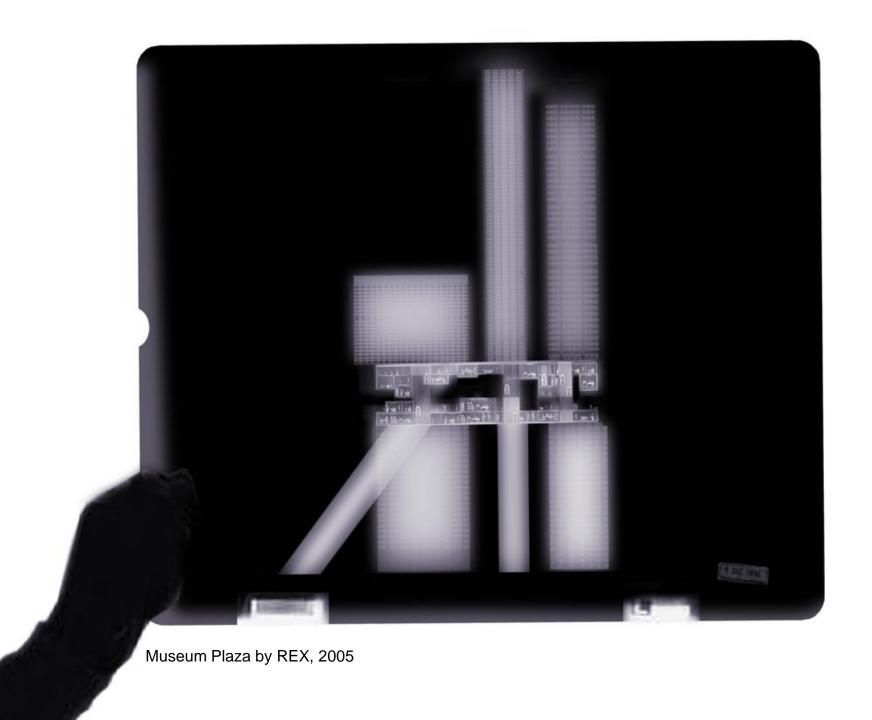


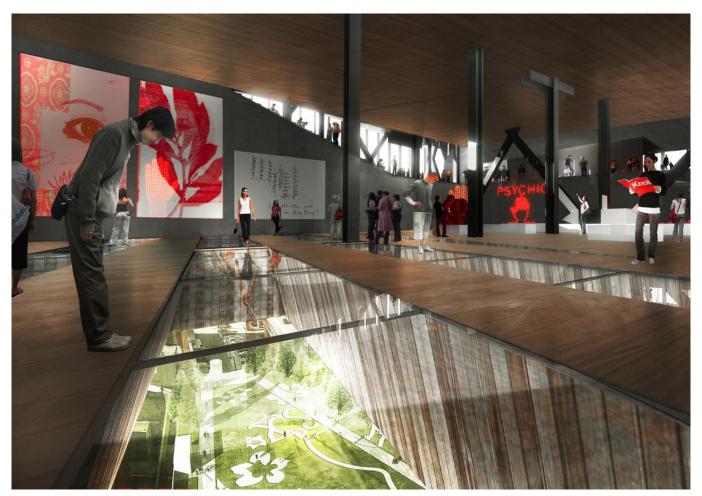




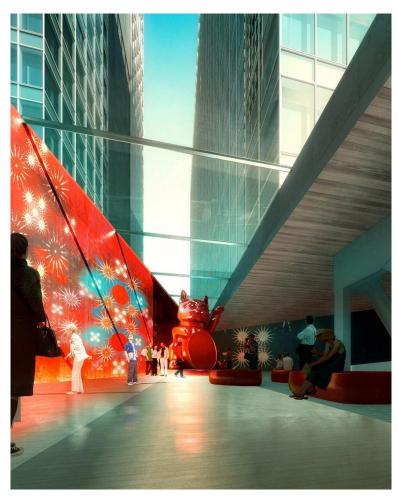
Museum Plaza by REX, 2005





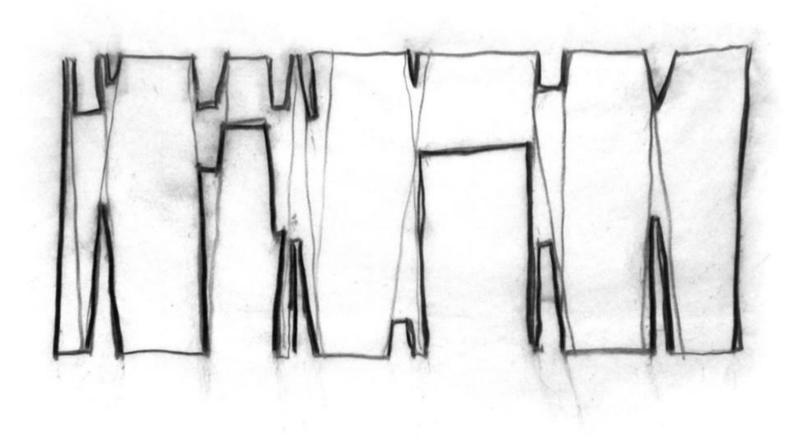


Museum Plaza by REX, 2005

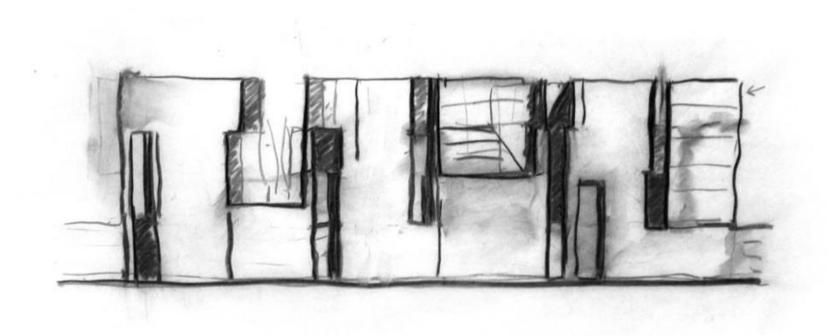


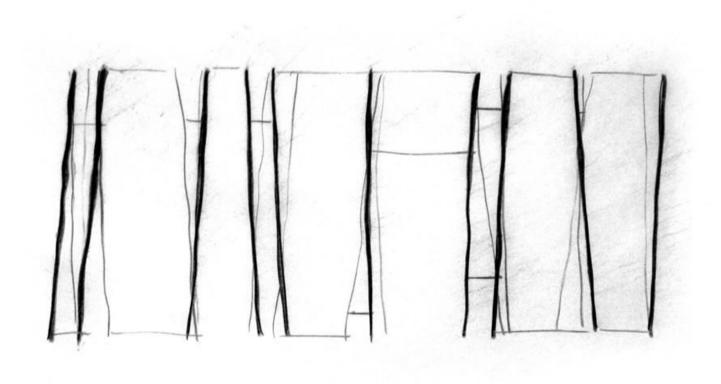
Museum Plaza by REX, 2005

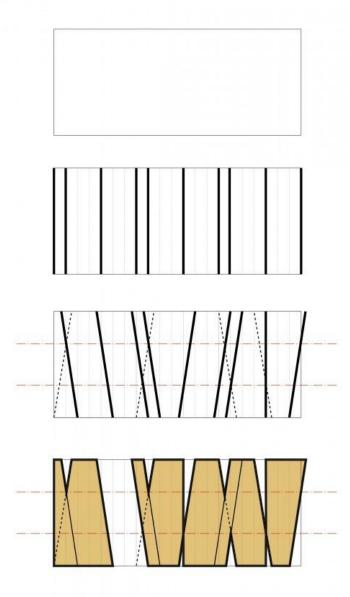




Noorderpoort College, Stadskanaal, The Netherlands by Mecanoo 2011

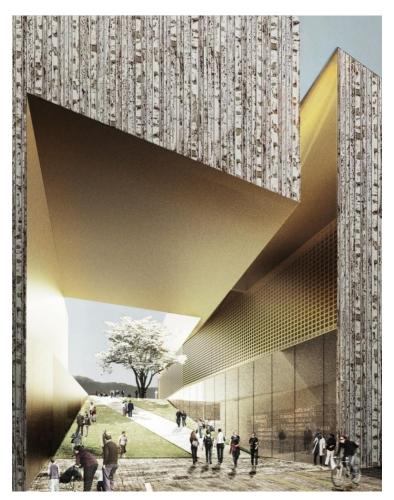








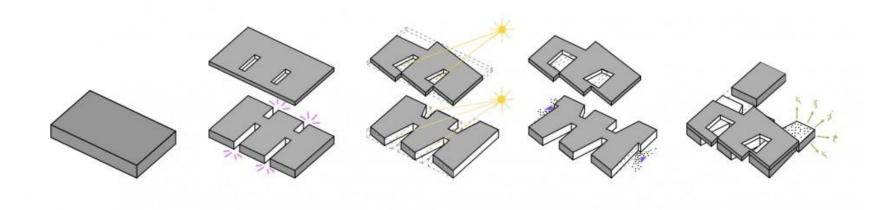




Noorderpoort College, Stadskanaal, The Netherlands by Mecanoo 2011



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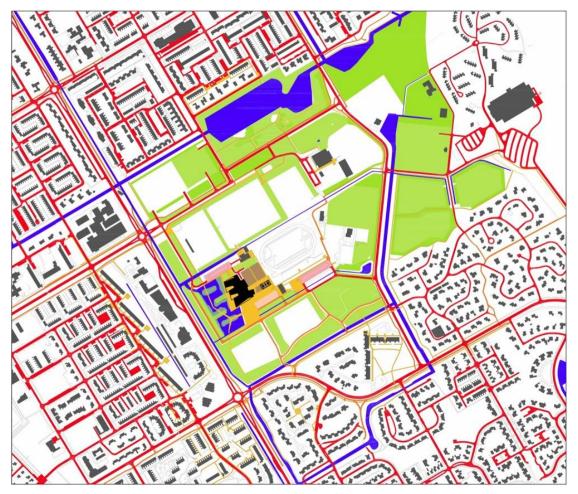
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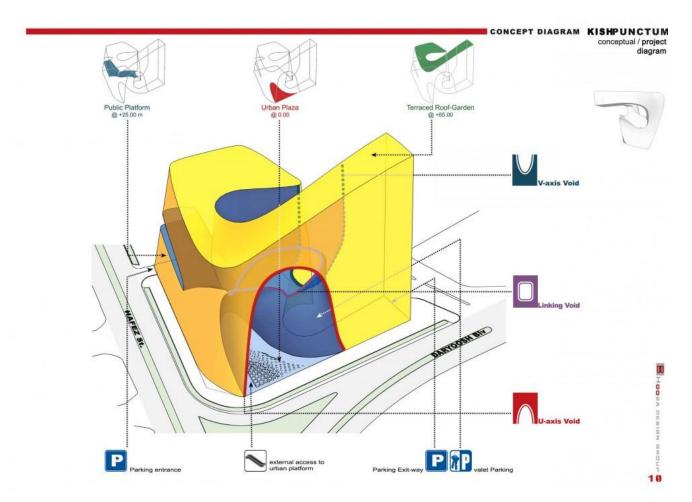
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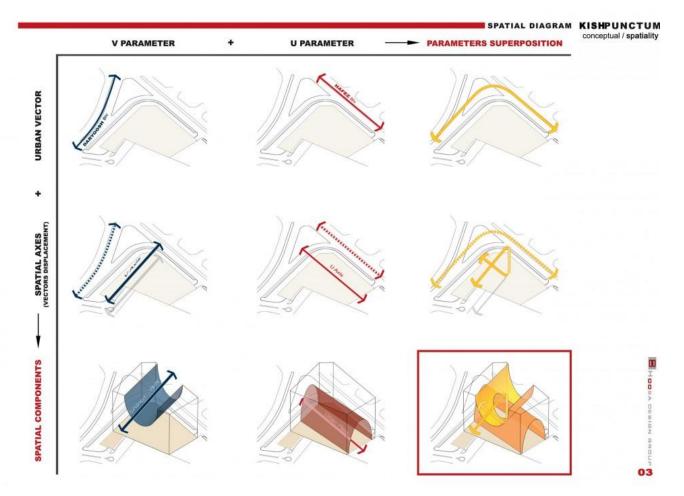
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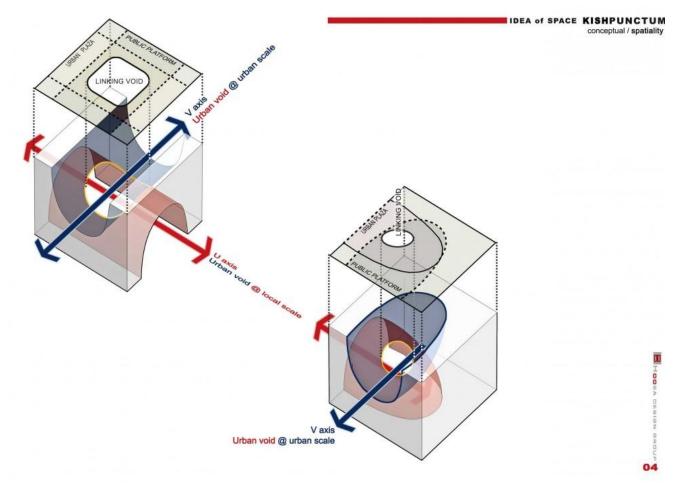
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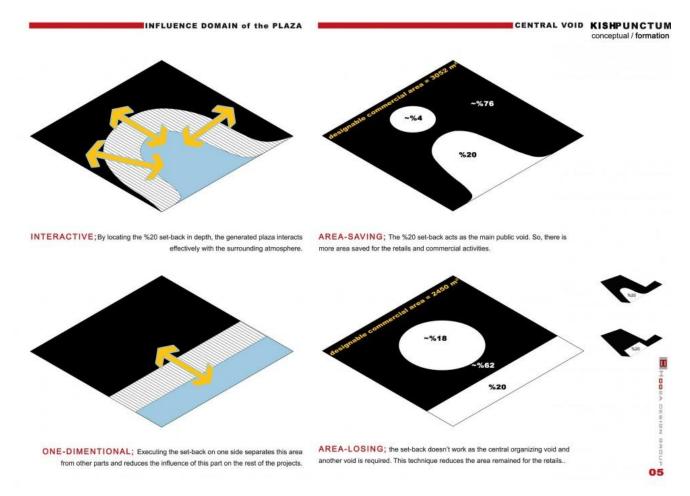
Office & Hotel Complex, Kish Island by Hooman Balazadeh



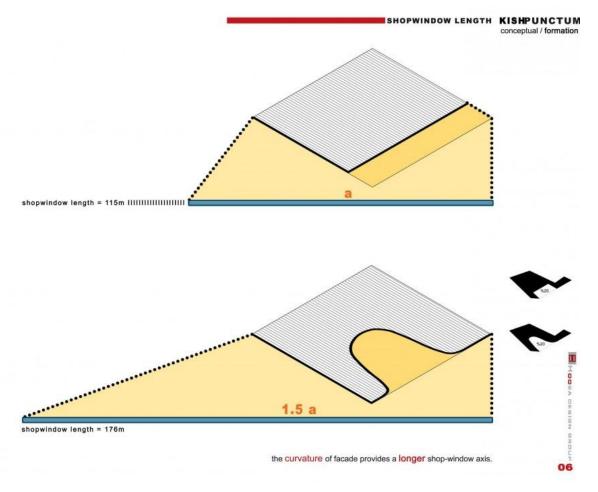
Office & Hotel Complex, Kish Island by Hooman Balazadeh



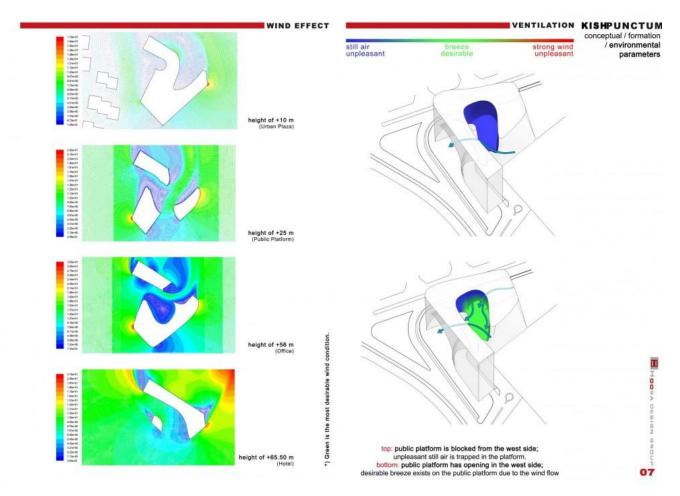
Office & Hotel Complex, Kish Island by Hooman Balazadeh



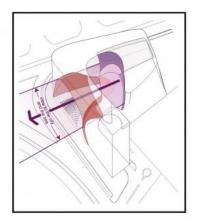
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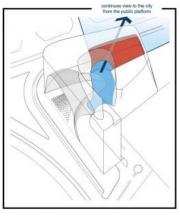
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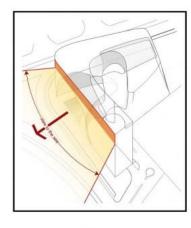
Office & Hotel Complex, Kish Island by Hooman Balazadeh



Office building;
The southern parts of office sector have view to the city and the sea through the arch of the urban plaza due to great diameter of the arch.



Public platform;
The public platform extends to the east face so there is continues view to the city.



Office;
The office has panoramic view to the sea and the city as it is higher than other buildings in vicinity.



The main technique for designing the form was **subtraction**. Initially, we assumed the building as a tapered extrusion of site margin that sets back as it rises up to make a reasonable distance from the neighboring buildings. In the second step we subtracted the voids of the previously mentioned U-shape forms from this basic extrusion. As a result we grew a diagrammatic form that has attained the permitted area, according to basic documents. The final form has two different themes that later inspired us in designing the facades. The first one is the exposing face of the project that is a geometric smooth layer. The

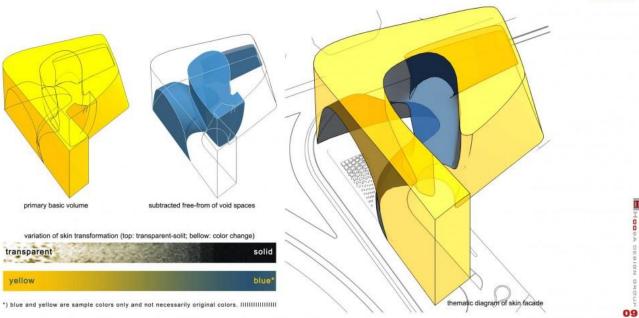
second theme on the inside is the internal void that contains the public platforms. To compose the final façade, we obtained a uniform mesh that grows from the outer layer in to the inner one. We considered an overlaying skin on the mesh that transforms in color, fabrication, openings, pattern and so forth based on the dual theme of the final form.

These transformations and other design issues such as solar accessibility, desirable shading, ventilation and being exposed (for retails) lead us to the final presented facade.

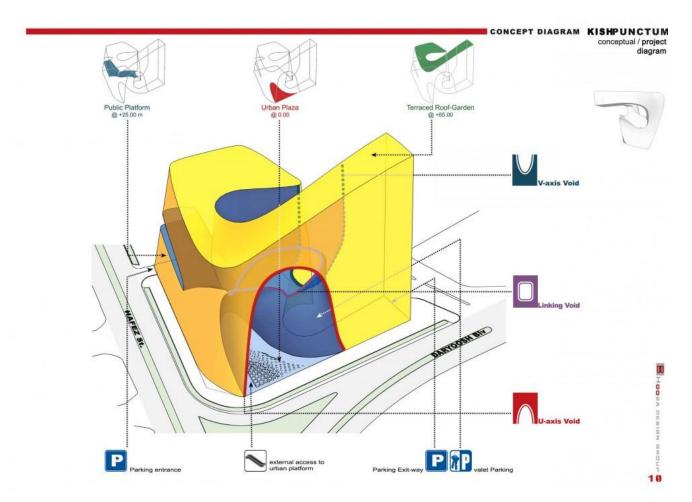


conceptual / project diagram

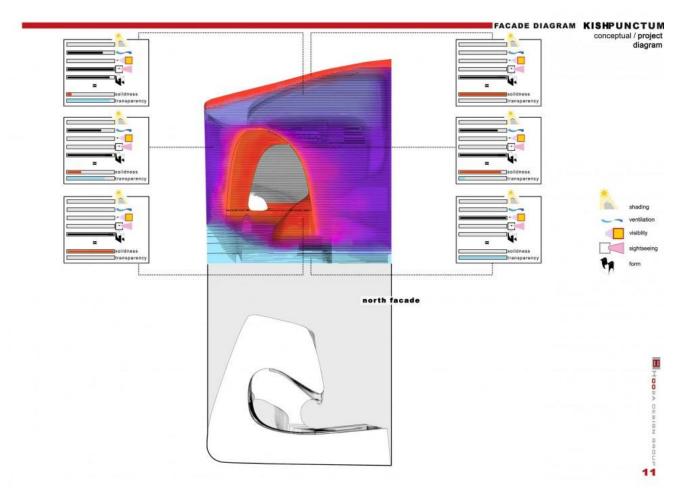
FACADING KISHPUNCTUM



Office & Hotel Complex, Kish Island by Hooman Balazadeh



Office & Hotel Complex, Kish Island by Hooman Balazadeh



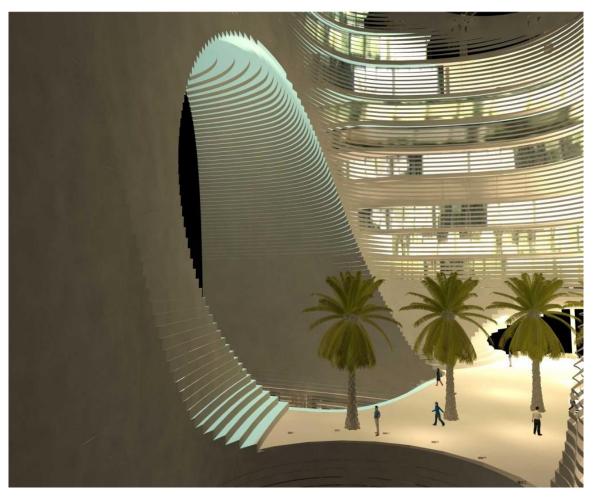
Office & Hotel Complex, Kish Island by Hooman Balazadeh



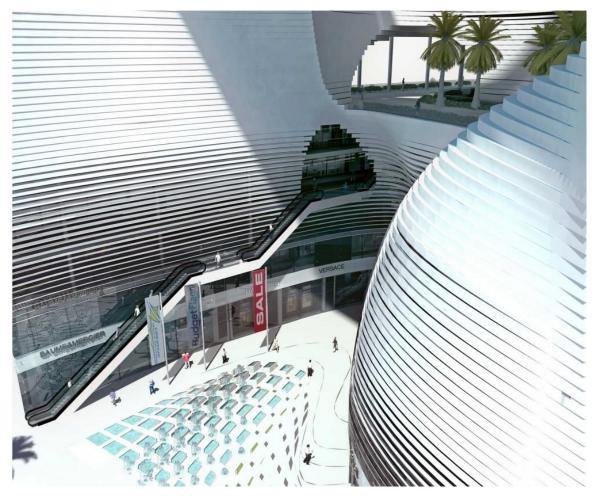
Office & Hotel Complex, Kish Island by Hooman Balazadeh



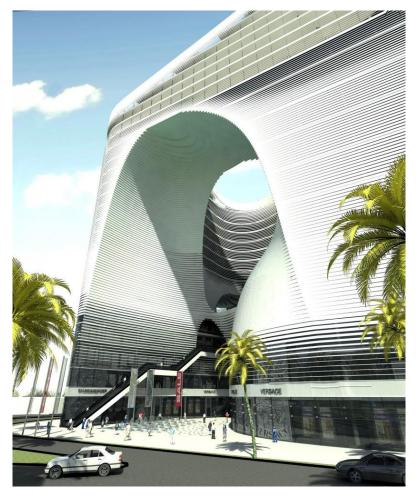
Office & Hotel Complex, Kish Island by Hooman Balazadeh



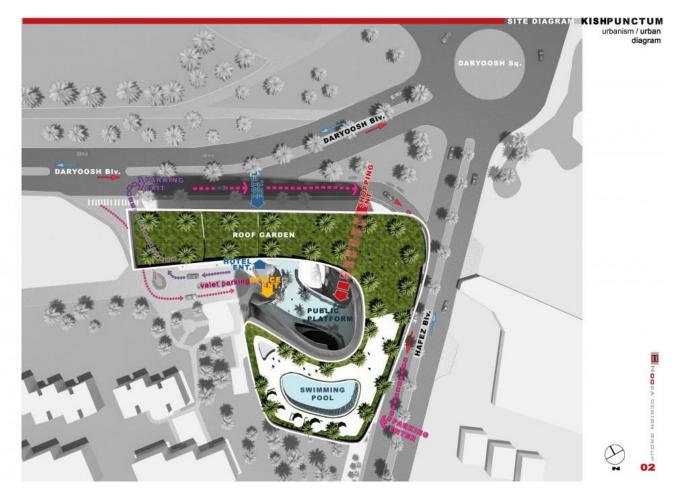
Office & Hotel Complex, Kish Island by Hooman Balazadeh



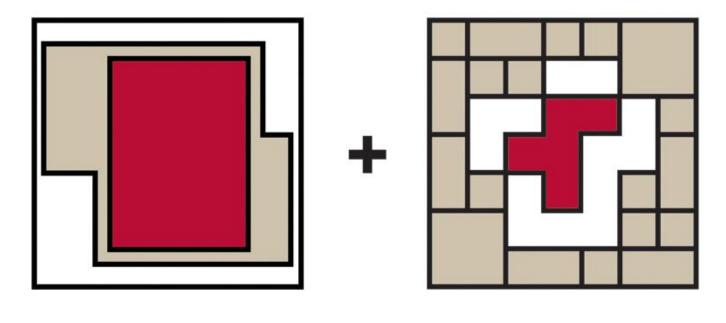
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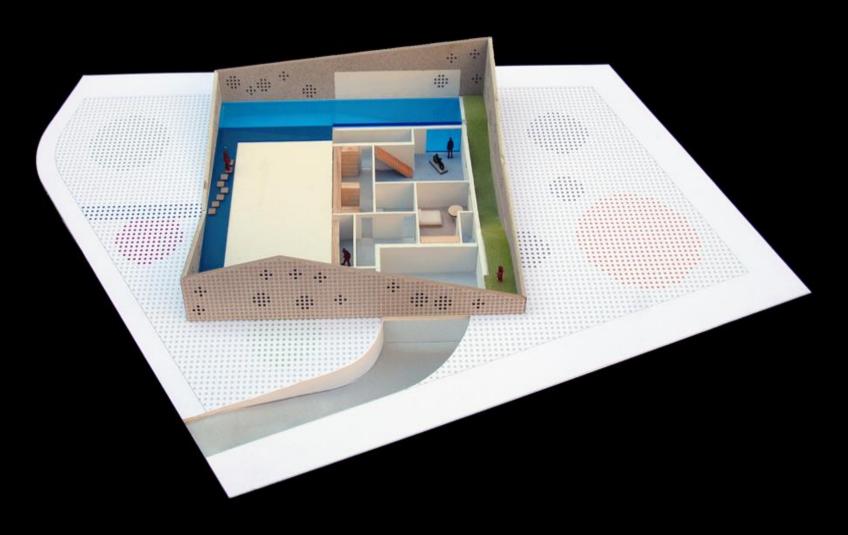
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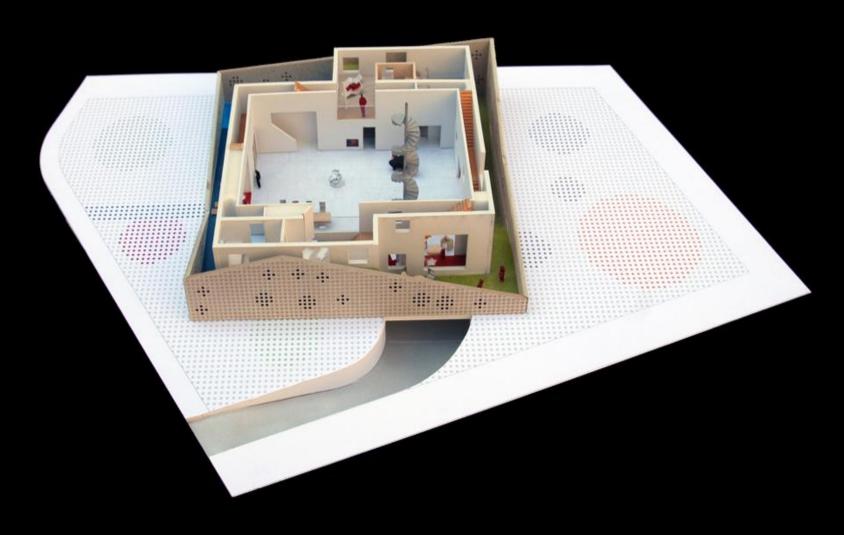
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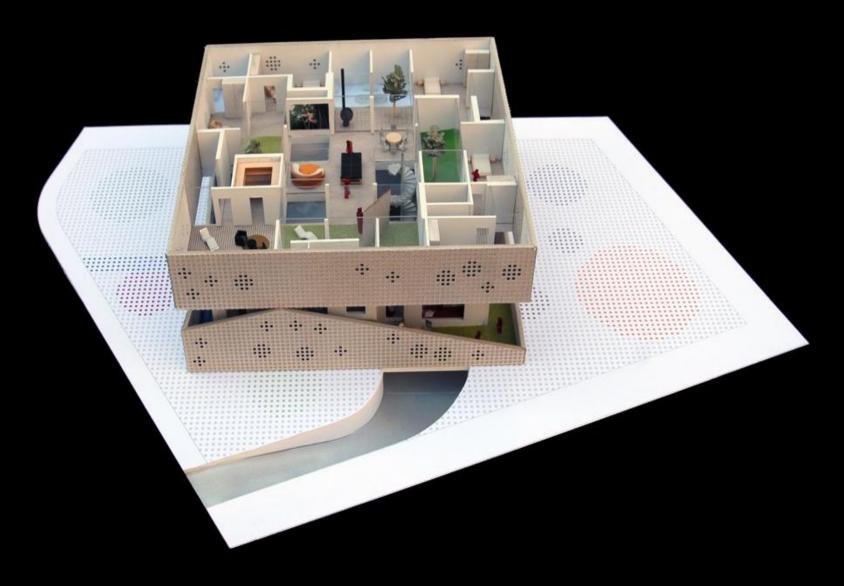
COLLECTIVE INDIVIDUAL



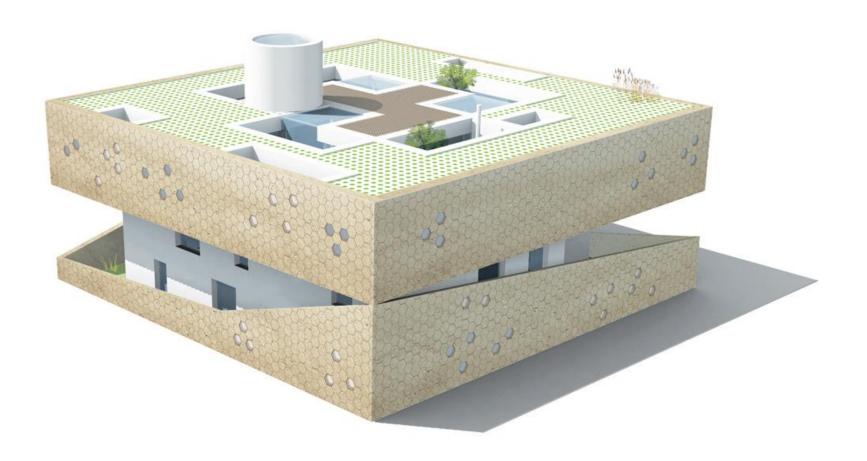
Ordos, Inner Mongolia, China by Work AC



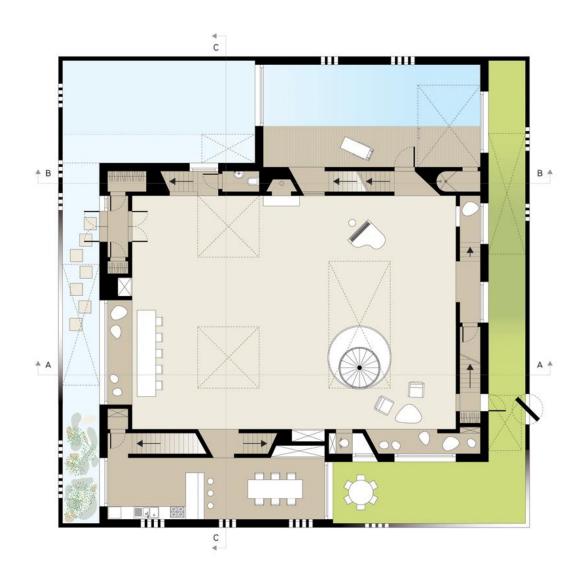
Ordos, Inner Mongolia, China by Work AC



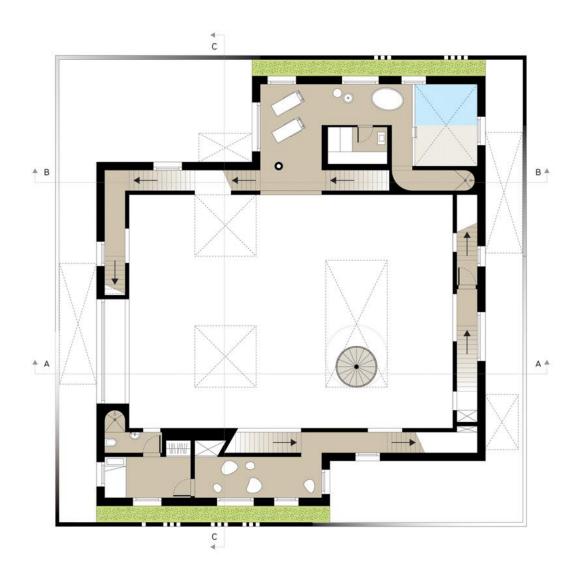
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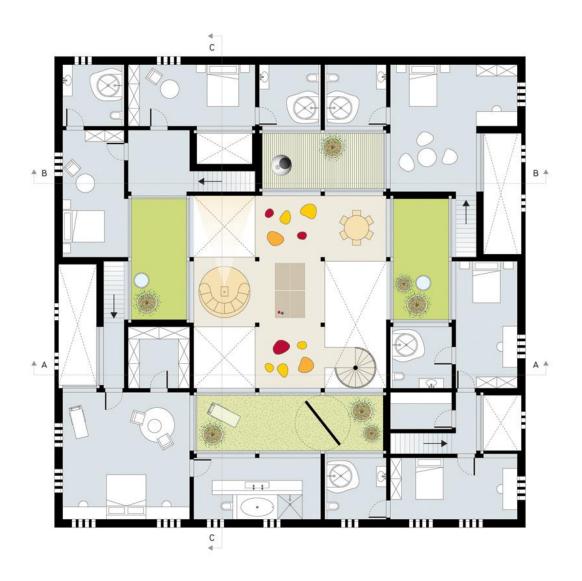
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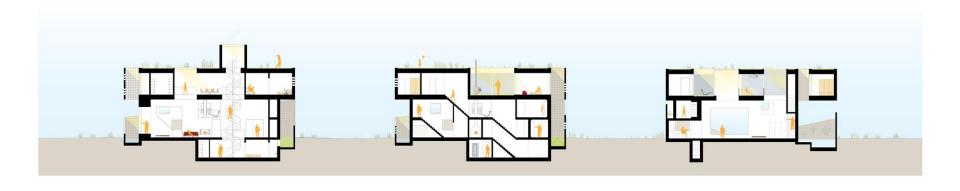
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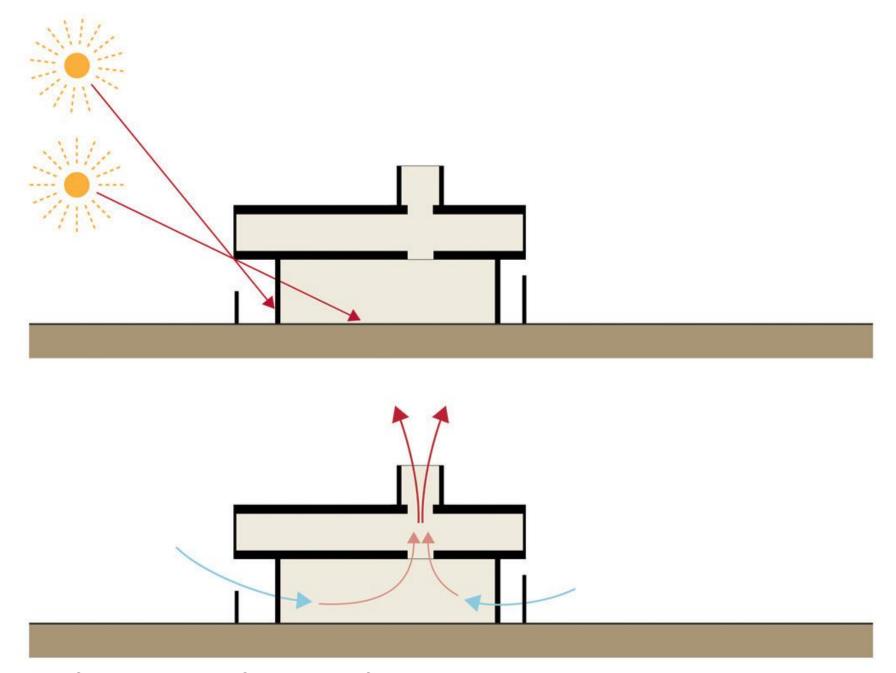


Ordos, Inner Mongolia, China by Work AC



Ordos, Inner Mongolia, China by Work AC



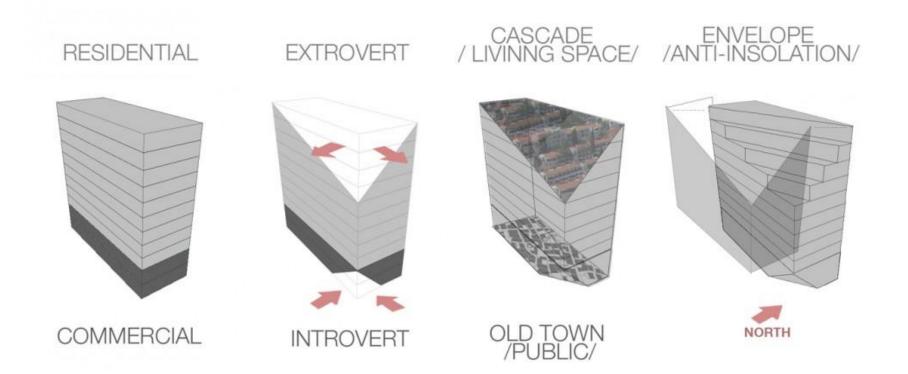






Ordos, Inner Mongolia, China by Work AC







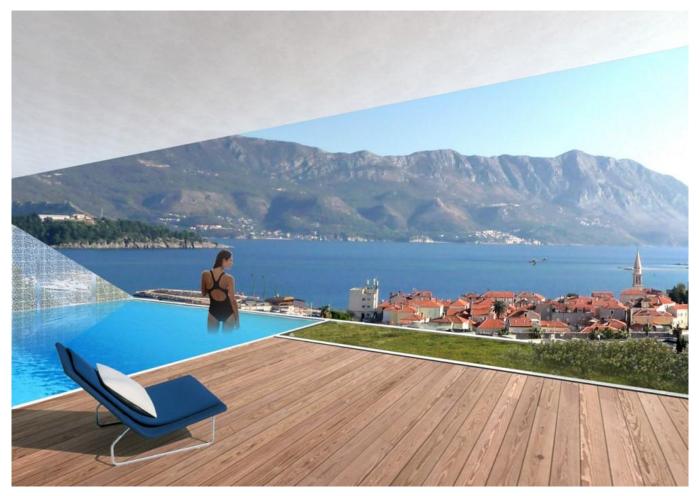
Salt Tower, Budva, Montenegro by Enforma + AIM Studio, 2012



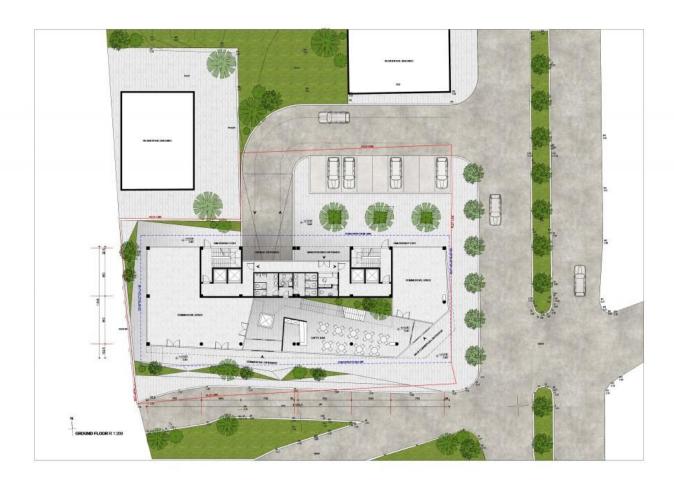
Salt Tower, Budva, Montenegro by Enforma + AIM Studio, 2012



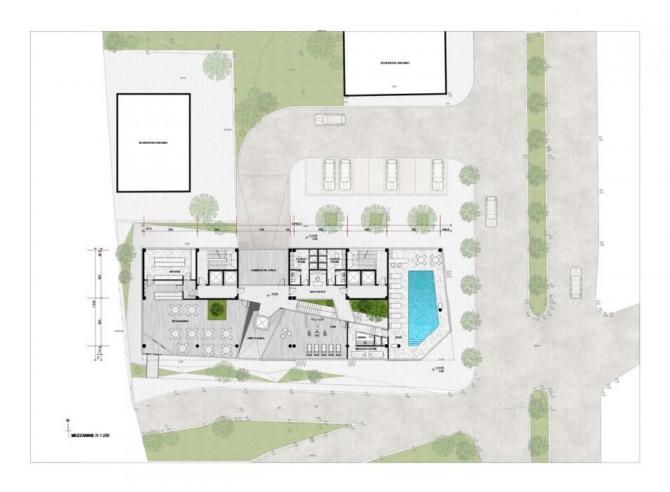
Salt Tower, Budva, Montenegro by Enforma + AIM Studio, 2012



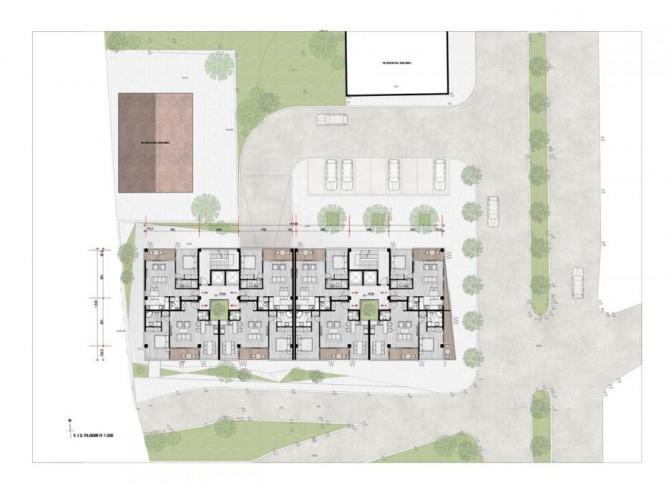
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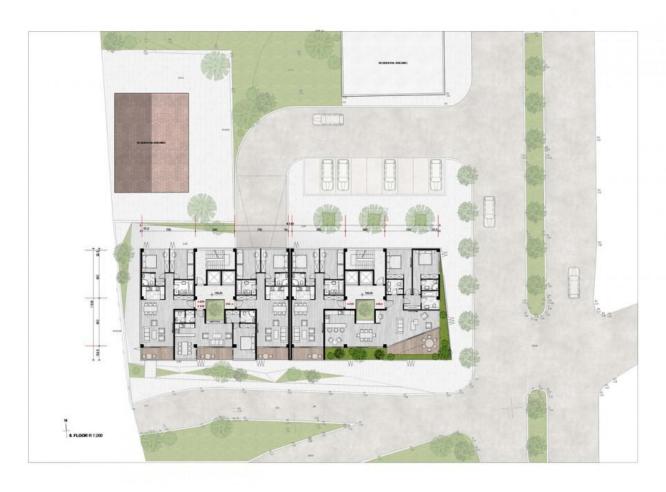
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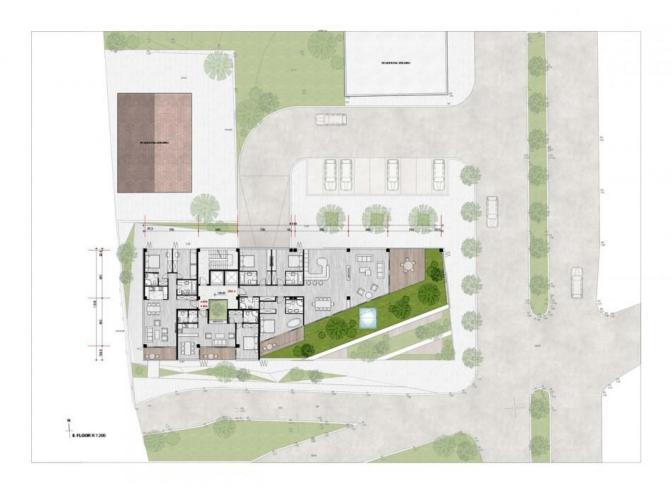
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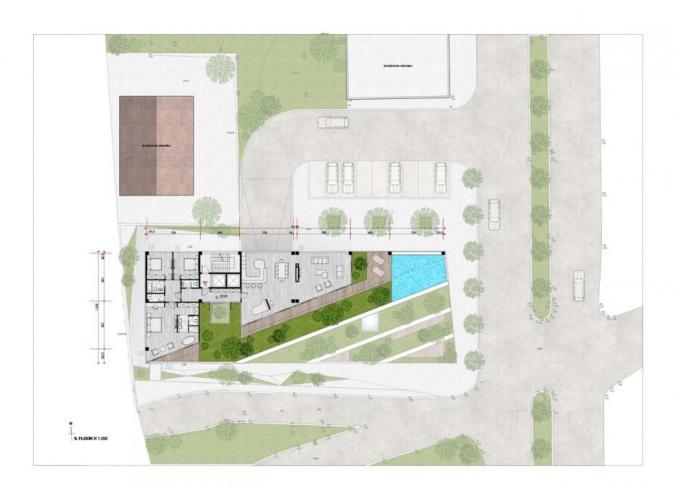
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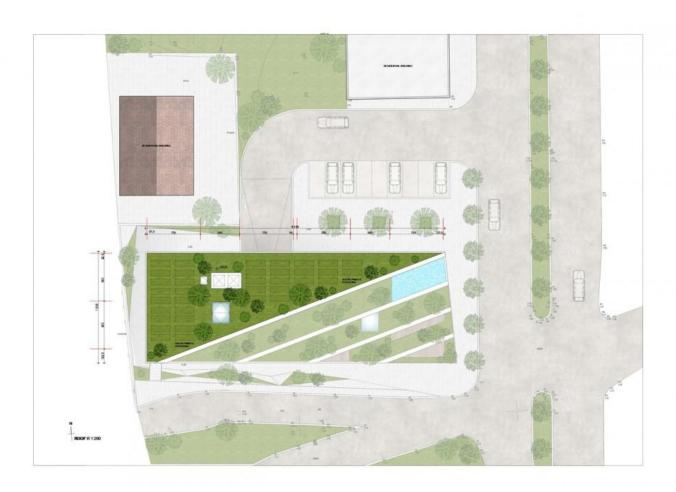
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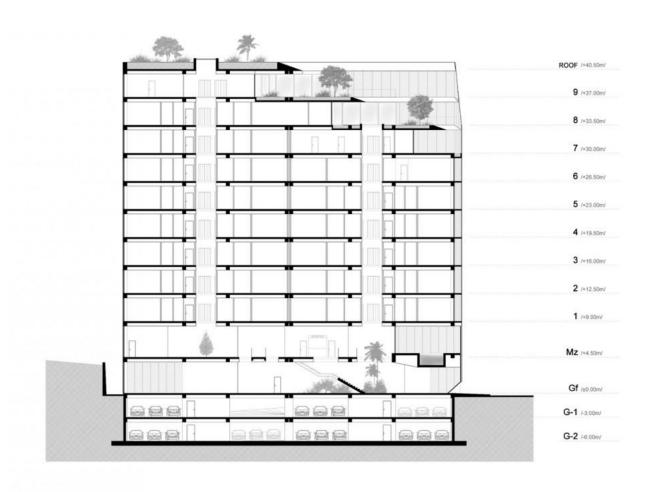
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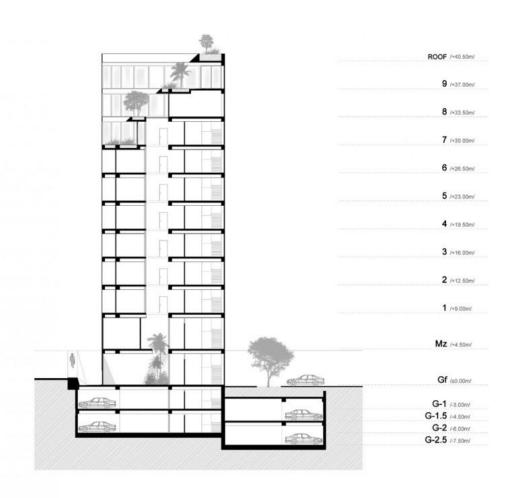
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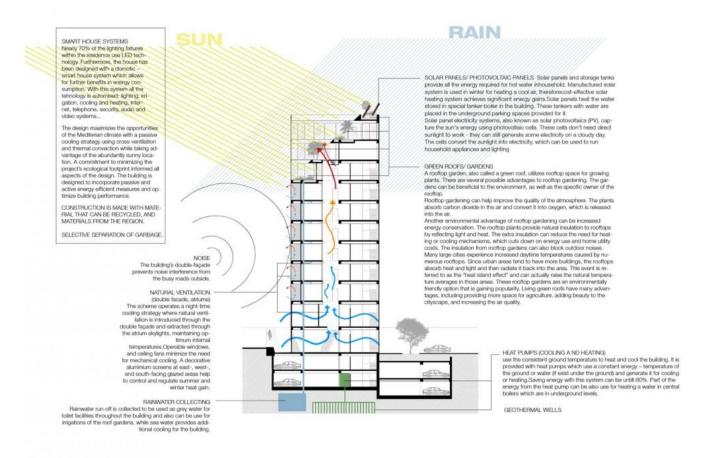
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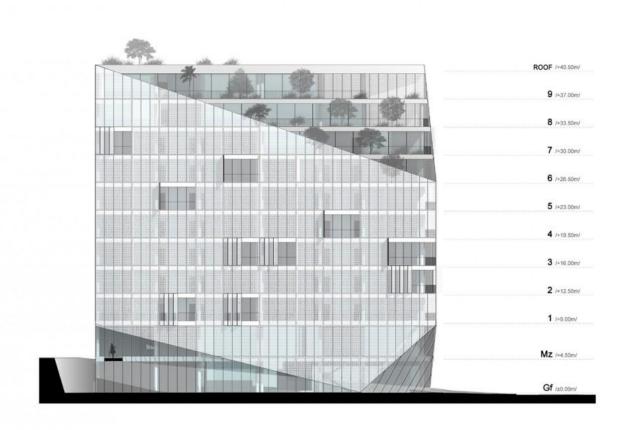


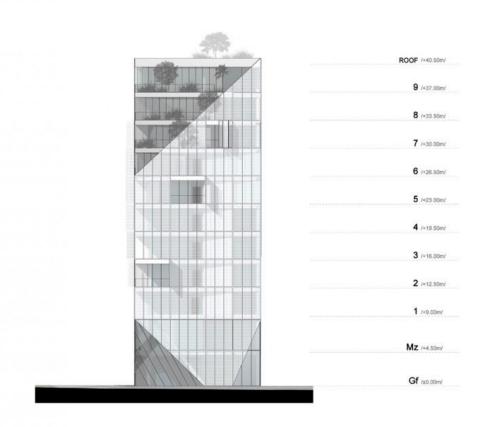
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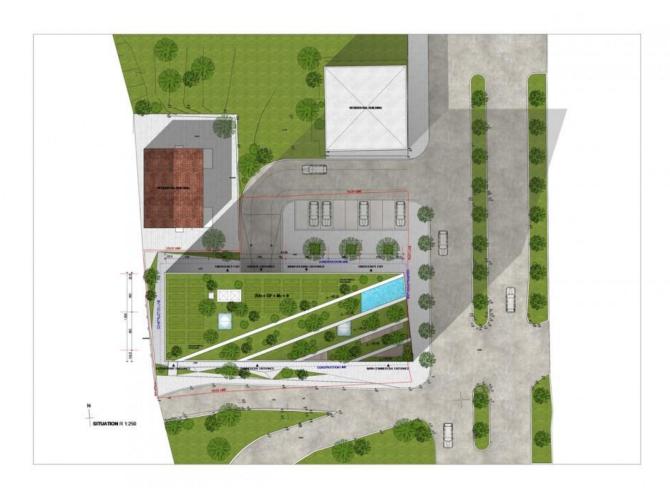


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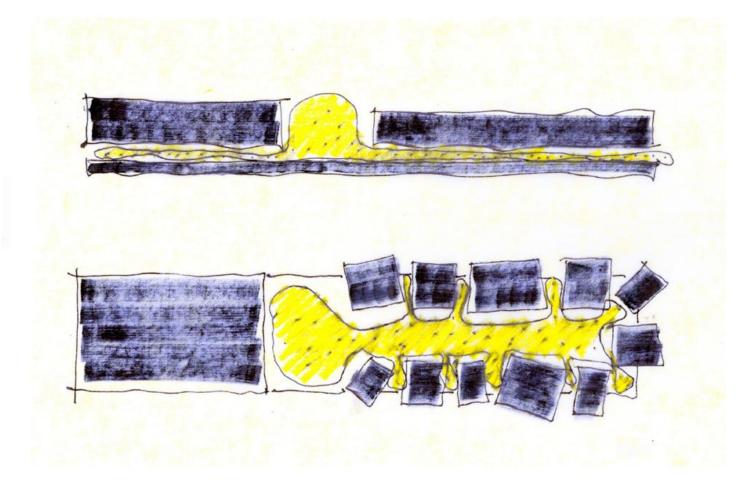








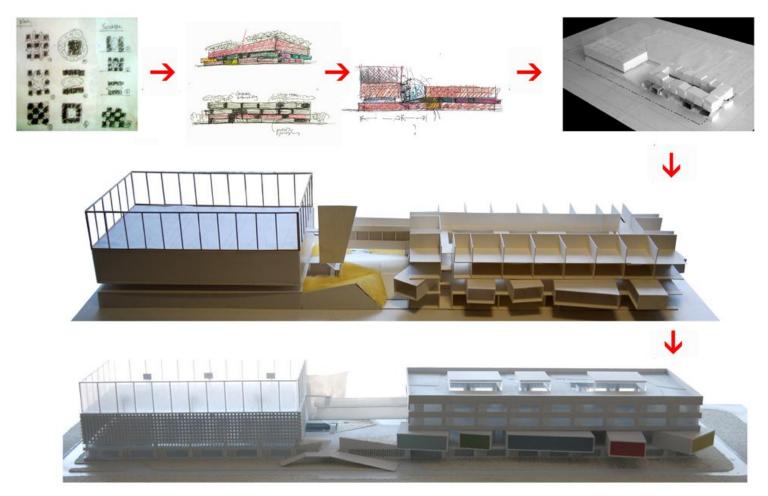
Salt Tower, Budva, Montenegro by Enforma + AIM Studio, 2012



Tianjin Elementary School, Tianjin, Xiqing, China by Vector Architects + CCDI



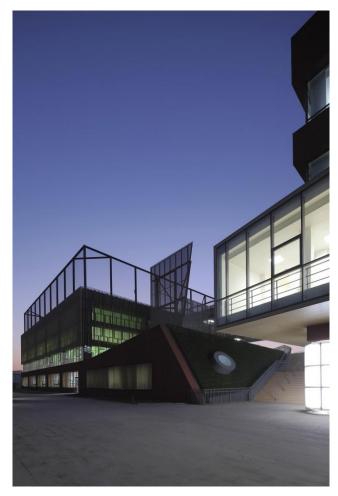
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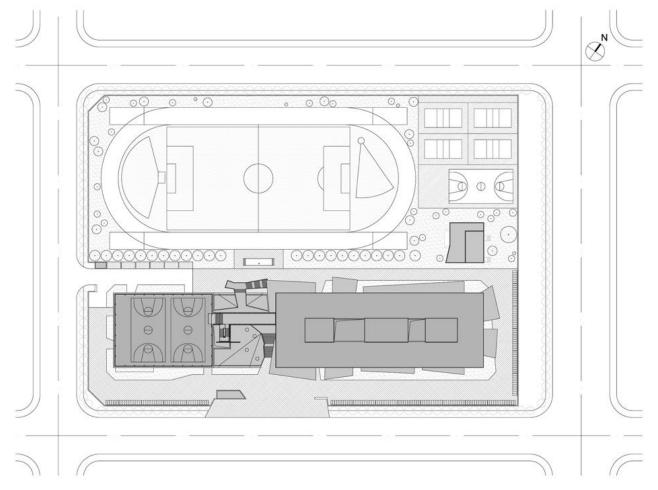
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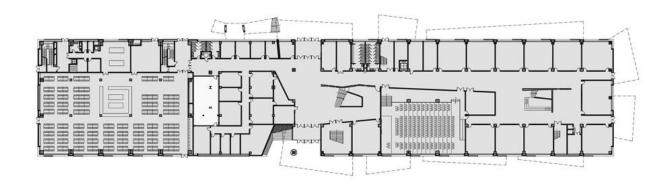
Tianjin Elementary School, Tianjin, Xiqing, China by Vector Architects + CCDI

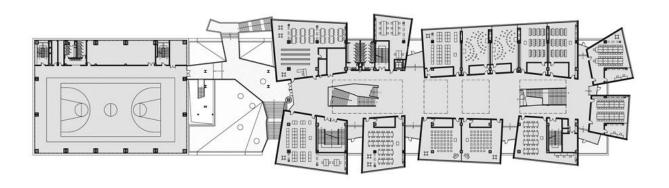


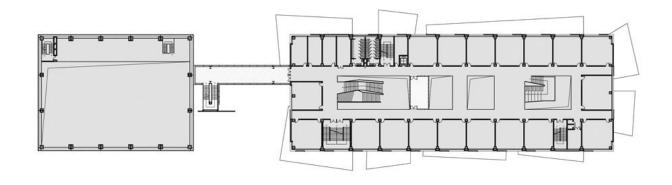
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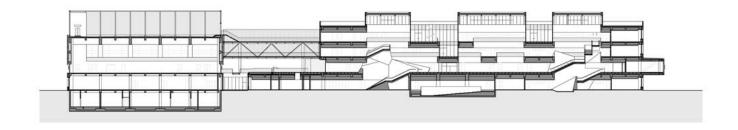


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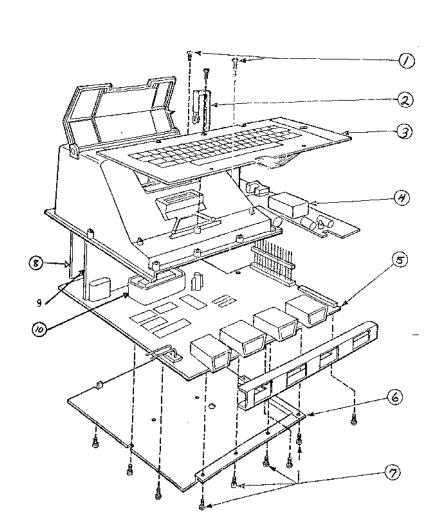


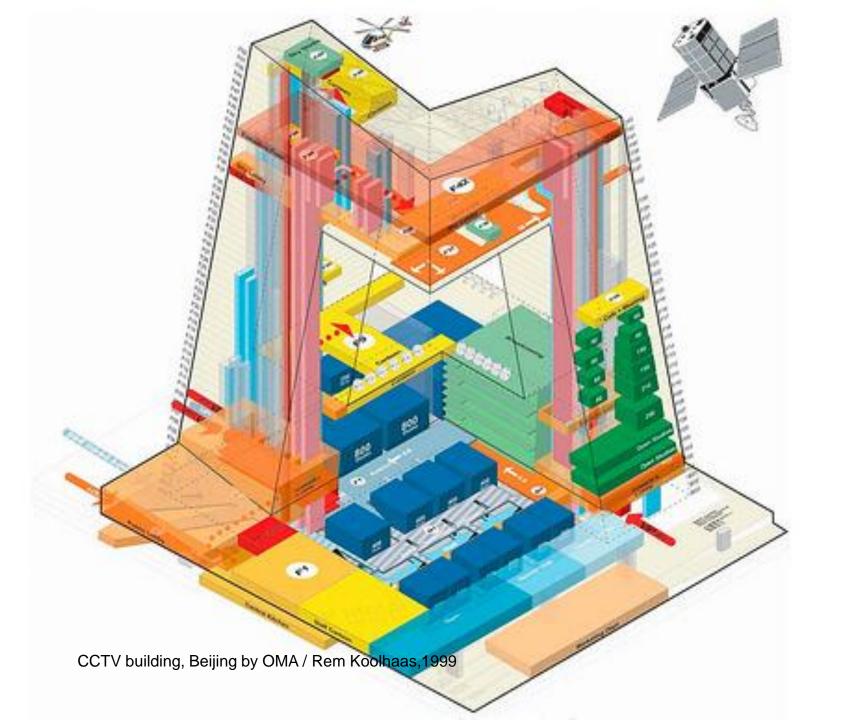




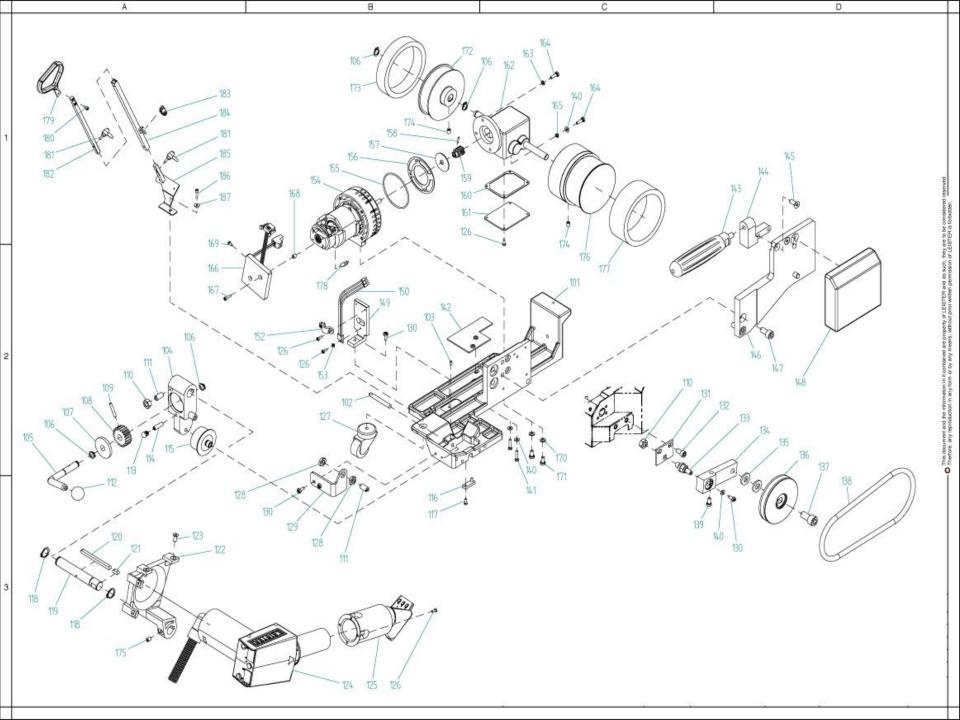


POSITIONAL DIAGRAM

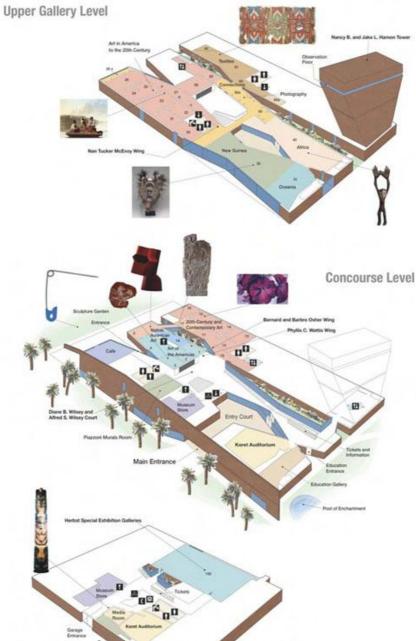






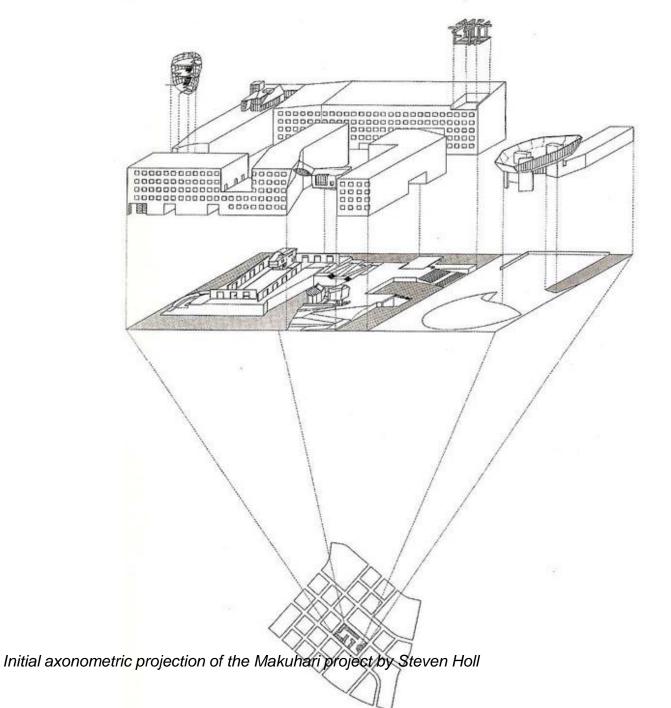




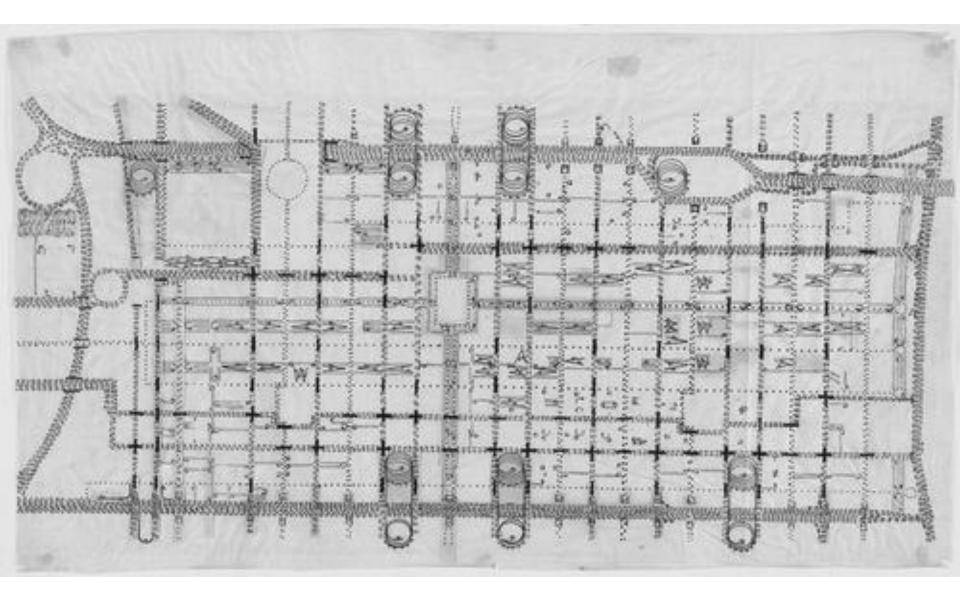


The deYoung Muesum, San Francisco, California by Herzog & de Meuron Exhibition Level

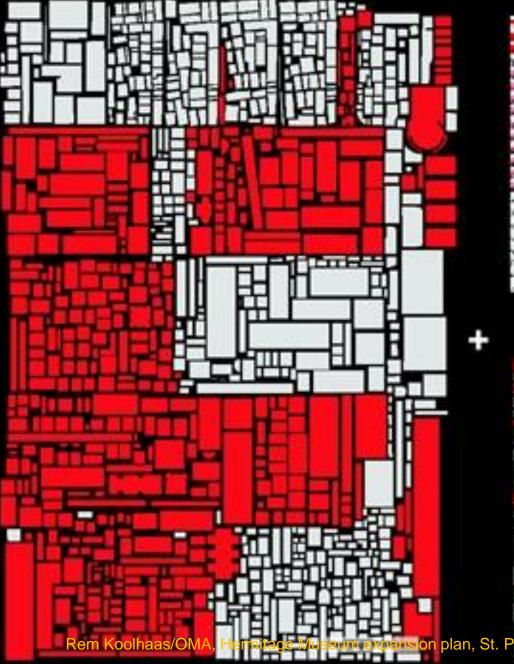
Top. Anth. Milesoners of San Practices. († 16. junior



DATA MAPPING



drawings by Architect Louis Kahn in 1953 of Philadelphia which illustrate the city through the movement, speed, and flow of its vehicles rather than by its physical configuration







Rem Koolhaas/OMA, Hermitage Museum expansion plan, St. Petersburg, Russia, 2003.



ACTIVITY -	Joe calls an 800 number to check the pollen count.
DATA _	Joe's number is caught through Caller IO; his name and address are pulled from a public records data base.
FIRST _	Joe is put on a list of allergy sufficients, it is sold to a drug company marketing allergy pits.

LATER

USE

Telephoning

The list is linkest with a profile of Joe and he is sent a coupon for the company's allergy medication.

Driving

Rushing to work, Joe madvertently runs a red light.

Though the intersection is empty, a video camera captures his license number.

Joe is sent a traffic ticket. In the mail.

Joe's insurance company finds the violation in a data base search and raises his rates.

Sending E-mail

At work, Joe criticizes his boss in E-mail to a friend.

Joe's company reviews employee internet activity and keeps copies of all E-mail.

After Joe's boss reads the E-mail, Joe is diemissed.

Joe's unsuccessful lawsuif to regain this job shows up when a prospective employer uses an internet investigation service.

Dining

Joe eats lunch at a restaurant that records each order on a computer.

Joe plays by credit card. Soking his account number to his order of a bacon cheeseburger and fries.

The restaurant checks his credit standing and sends him a discount offer.

The restruriant goes bankrupt and its list of men who are bacon cheeseburger lovers goes on the information market.

Getting Prescriptions

Joe stops at the pharmacy to fill a tranquilizer prescription.

His name, the drug and his doctor become part of the data base of the pharmacy chain.

The chain is part of a pharmaceutical company that combines the data with lists of magazine subscribers.

A rival tranquilizer company advertises in Joe's favorite magazine, company mailings urge Joe's doctor to switch.

Shopping

At the supermarket, Joe uses a discount shopper's card.

The card links Joe's identity to every item he buys.

The supermarket chain uses a data-mining service to create profiles of its most profilable customers.

Joe is deemed a prized customer and gets electronically-generated discounts, less loyal customers pay more.

Mail Ordering

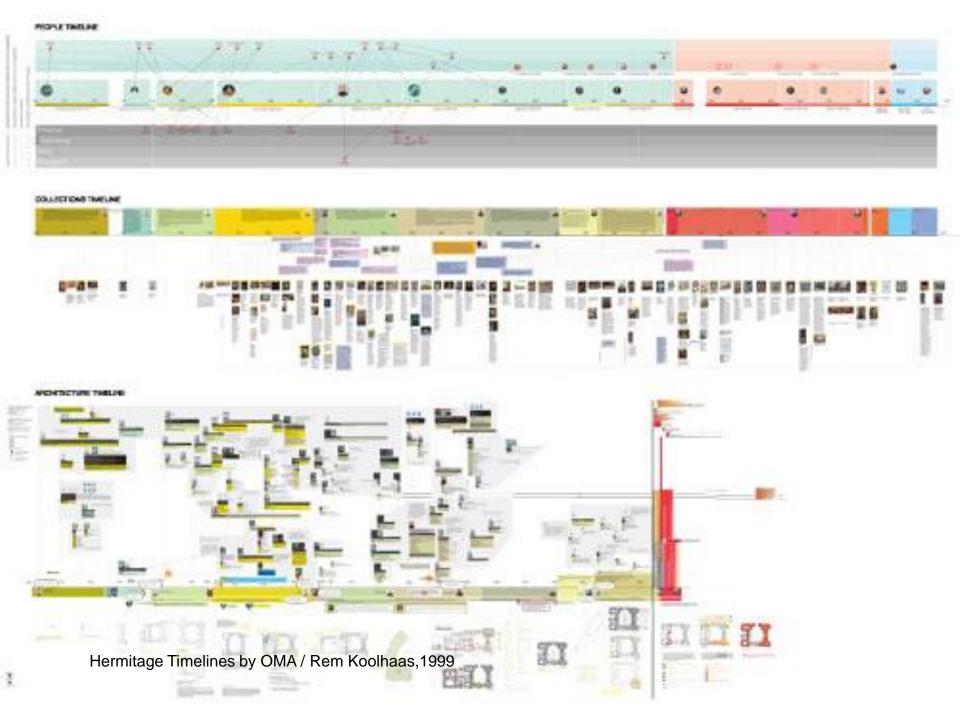
Before bed, Joe orders culffinks and silk boxer shorts from a catalogue.

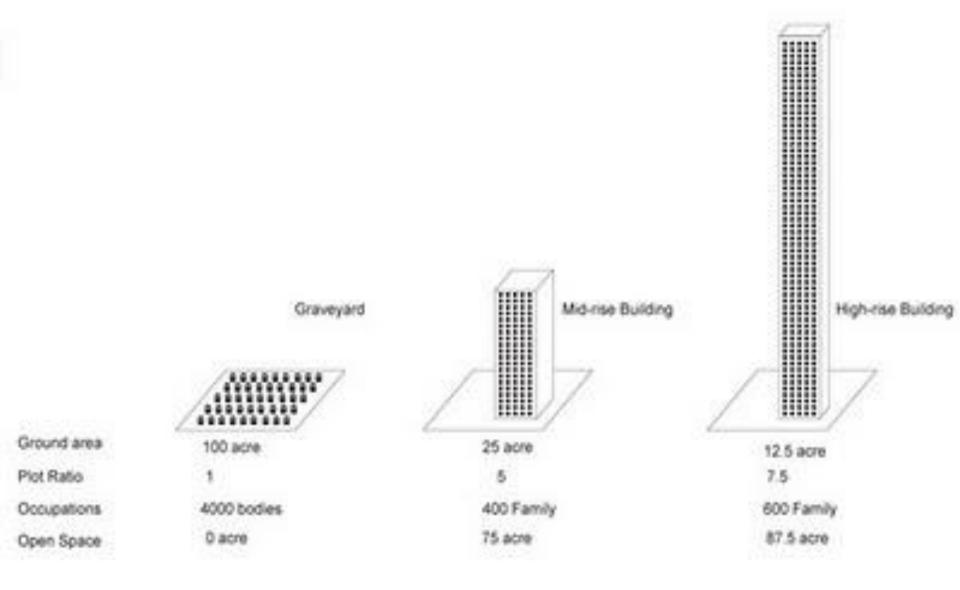
He pays by American Express, which adds his name to lists of "buyers of expensive lowery."

The catalogue company puts his name on a list of "male buyers of sexy lingerie" and trades it with other companies.

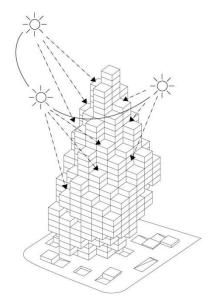
Within two weeks Joe will receive four jewelry catalogues, five lingerie catalogues and a sex-videotape offer.

No has that Free Honorous to Major Imperior



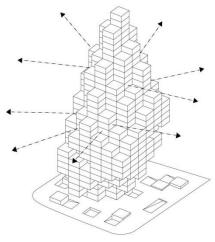


Concept of a vertical cemetery in Mumbai was presented as a way to satisfy cultural expectations while efficiently utilizing scarce urban land



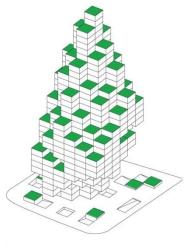
Light

- no floor level is the same, and no level is 'complete'. All floors are opened up in various places which allows for daylight to enter, even deep into the building.



Vious

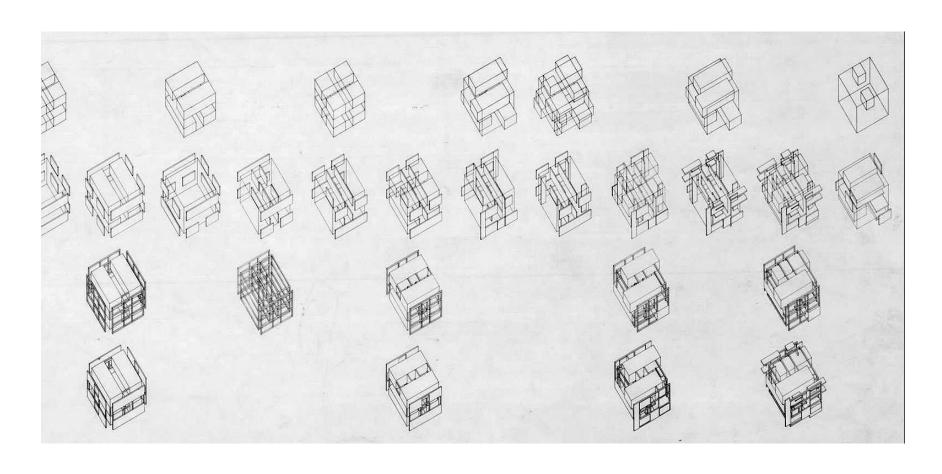
- the differentiated floor plan increases the amount of views on each level.



Terraces

- the Sky Village has, as any other village, a large amount of outdoor spaces. The terraces are a mix of private and semi-public ones, covered or under open sky. Many are in corners and thus in most cases protected from the wind.

TRANSLATIONAL DIAGRAM

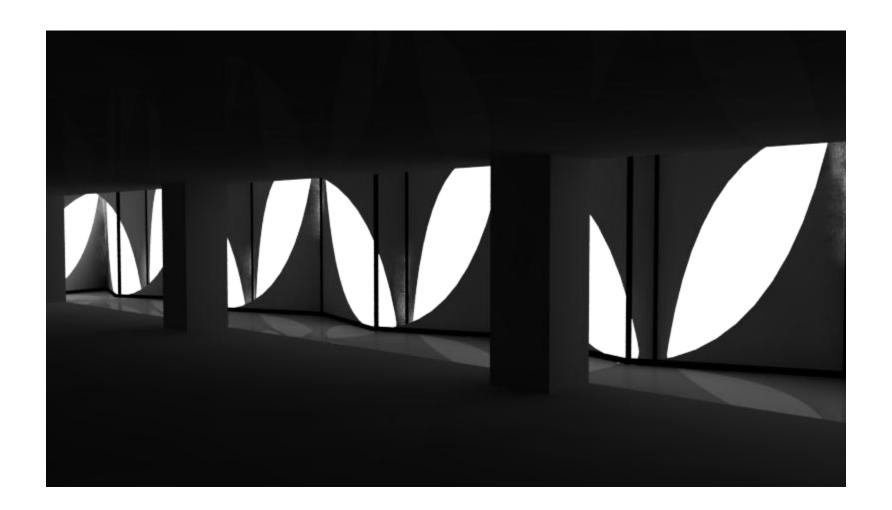


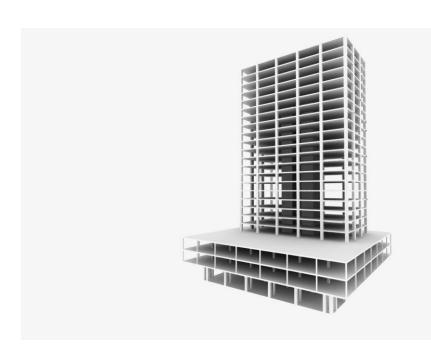
A series of Peter Eisenman's axonometric study sketches

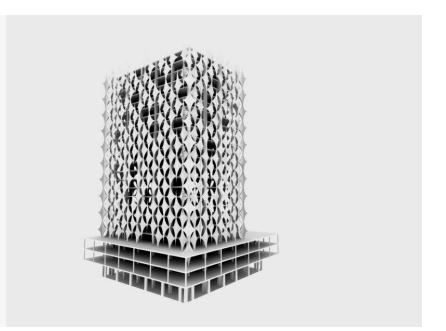
FIGURE DE LA GRIEL, 2°. M. 2°. M. Les mêmes changent de places avec ceax de vis àvis Les mêmes changent de places avec (ceax de vis àvis Les mêmes changent de places avec (ceax de vis àvis Les name figures que conce que viorinent de figure que conce que viorinent de figure que conce que viorinent de figure que 2°. M. Les names changent de places avec (figures fint de laur tour la meme figure que conce que viorinent de figure que 2°. M. Les names changent de places avec (figures fint de laur tour la meme figure que conce que viorinent de figure avec (figures fint de la que tour de avec elle -

EDWARD TUFTE, DETAIL OF DANCE NOTATION REDRAWN FROM *LA CUISSE*, CAILLEAU & MLLE CASTAGNERY, 1762-64.

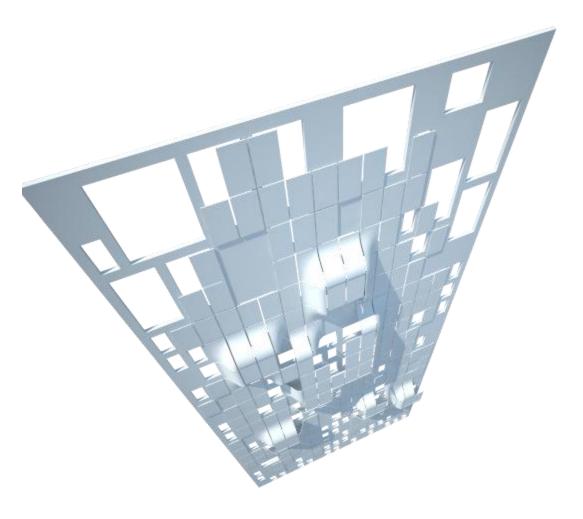
DEMONSTRATIVE DIAGRAM



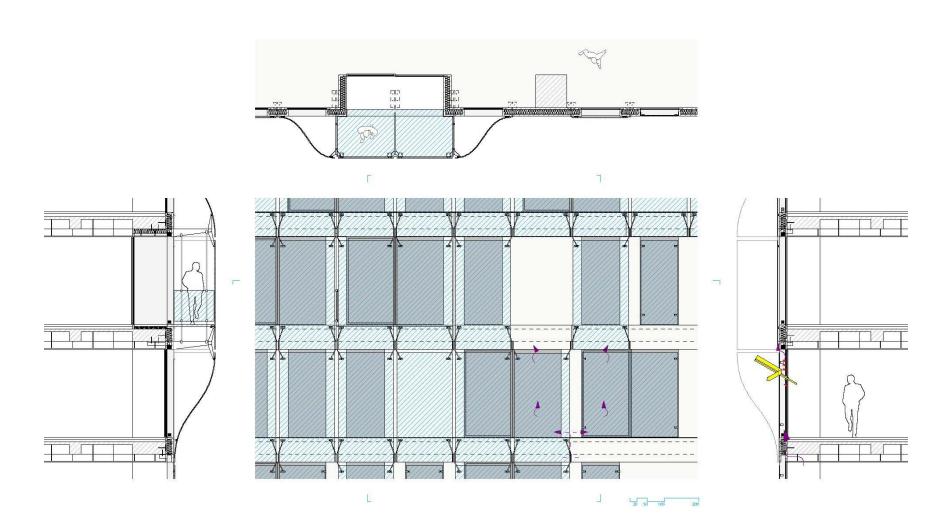


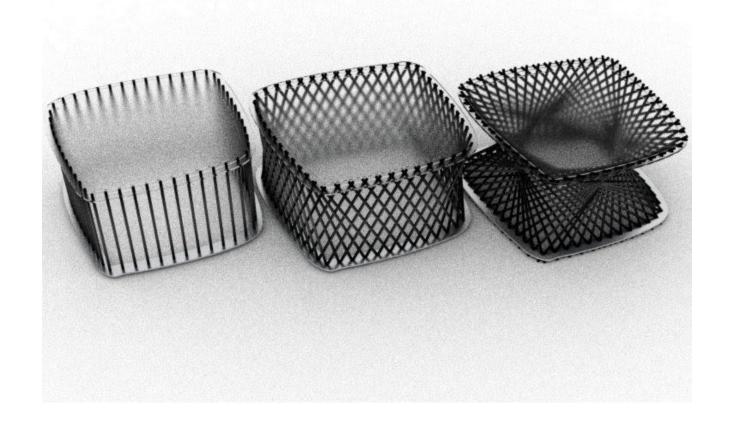


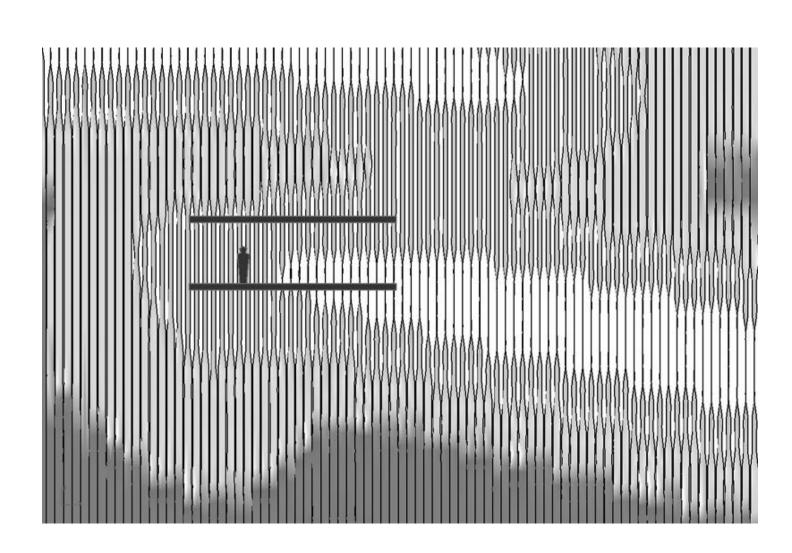


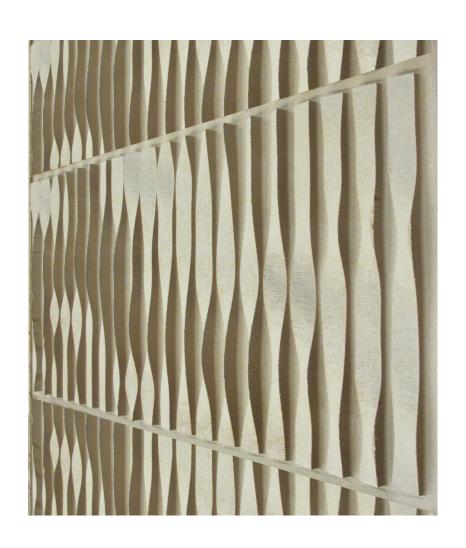


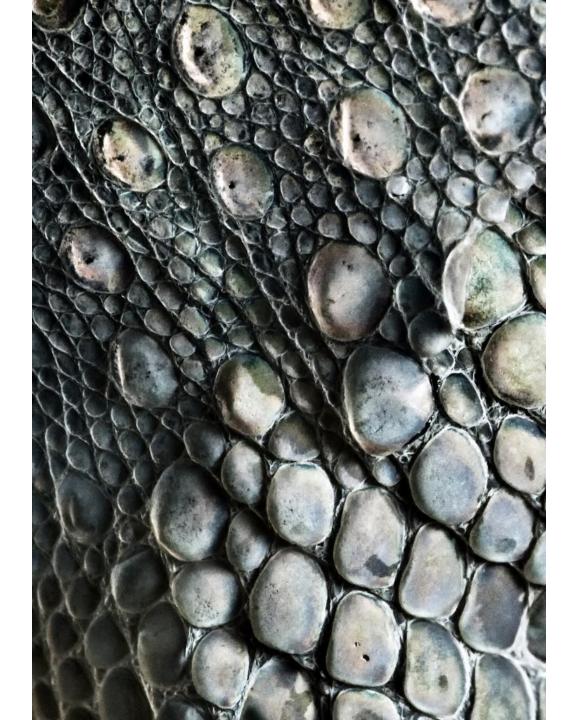
Facade tectonics

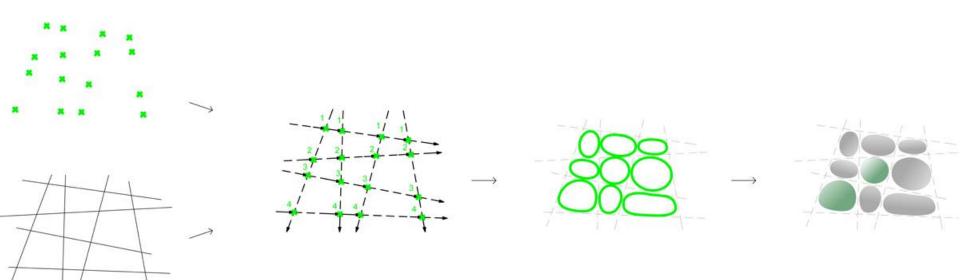


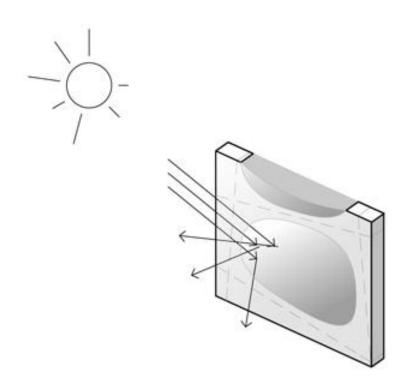


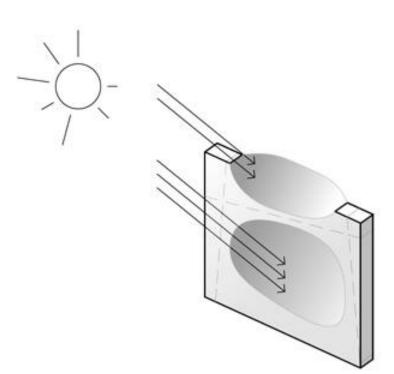


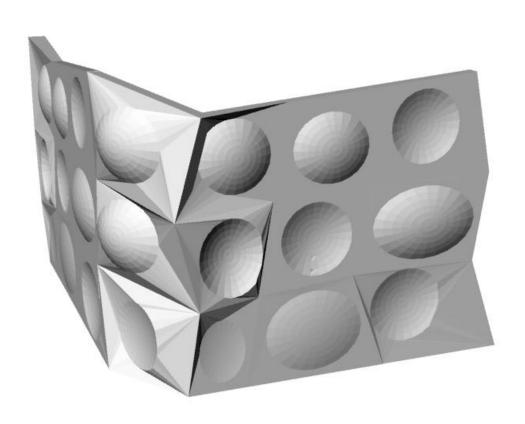












ne facade is the conceptual extension of the primary building ructure and becomes its visual manifestation on the outside of the

Structural global movements at the nodes of the diagrid and diaphragm floors are relatively small compared to the local diaphragm floors burden the design with the need to provide much greater joint sizes. By spanning between the primary structural nodes the impact of global structural movements on the CCTV

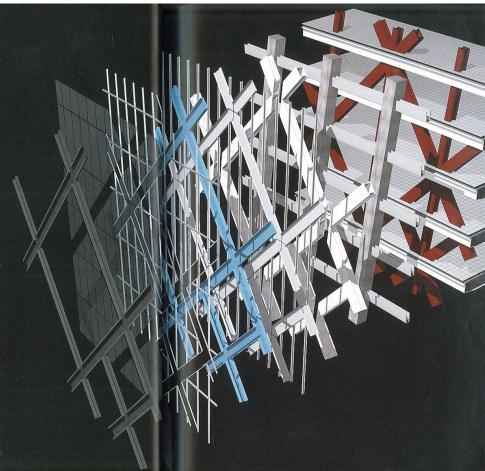
ed. The system can maintain consistent small

with an integrated layer of expanded metal mesh (acting as micro nsulating and solar control values while transmitting natural light esults in a diffusion of direct sunlight providing glare control and

それが外部に向かって視覚的に表明される。ダイアグリッドは、スティールの凹んだ輪郭

ド上に反復させ、その内側にこれらの菱形がはめ込まれる。躯体規模の動きはダイアグリッ 節を一貫して小さく収めることができるし、累積的な大きな動きも外側のスティールの凹 みによって塩き止められ、菱形の内側まで伝わることはない。

高性能のガラス・ファサードは、抜群の遮熱・断熱性をそなえつつ、視界の広さや採光の 採用し、これにエクスパンド・メタル・メッシュの層(ミクロな日除けとして機能)を挟み 特殊パネルは優れた断熱・遮熱性、そして際立った透光性と演色性を発揮し、おかげで色



CARTOGRAPHIC MAPPING



intricate geographical paintings by artist Sue Beyer

