



arkouda nikoleta

Dipl.-Ing Architect
MAS ETH ZURICH



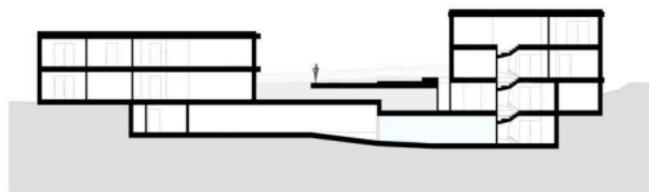
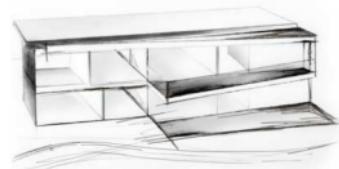
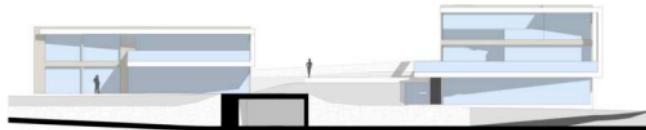
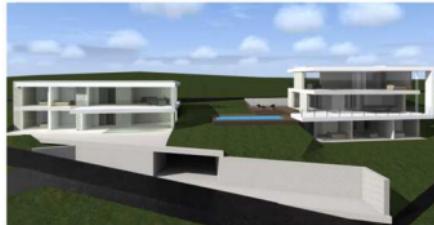
WETTBEWERB MEHRFAMILIENHÄUSE

Arbeitprojekt, Archstudio Architekten AG, Zürich

This is a project that applies to a private client competition. The main goal was to create a pair of houses, from which the one would be a luxurious Villa and the other would be an apartment house. They should create together a beautiful total and would share a common garden with an outdoor pool. The property lies with unique situation high in the slope over the lake lake in the municipality Herrliberg by the Zurich lake. The southern part of the property shows a view directly to the Lake and the northern part is the view covers partly by trees. The main Villa house is arranged in the southern part. The property thereby points an optimum view. The Apartment-house lies in the northern part. It is characterised by axes who seem to rotate to each other. In between is the common garden area with the pool created. At the apartmenthouse two generous luxurious flats can be realised. Large balconies and garden give to these flats the necessary outside space. The earth-storey flat became nevertheless planned, according to the competition programme, as an office. At the Villa's ground level child bedroom and playing area is created. At the rest area Sport&Spa as well as 15 m Indoor swimming pool and a home cinema and panic space are formed. The main garage between the constructions is half-storey. An additional basement is optional possible, as well as additional cellar rooms.



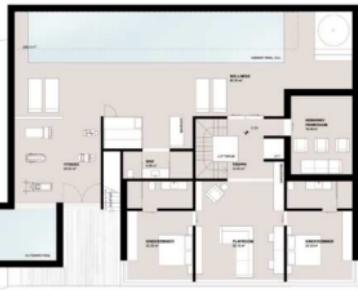
WETTBEWERB MEHRFAMILIENHÄUSE



Das Grundstück liegt an einmaliger Lage hoch am Hang über dem See in der Gemeinde Herrliberg am Zürichsee. Prominente Schweizer wie der ehemalige Bundesrat Blocher haben dort ihr Anwesen. Die Aussicht erstreckt sich über den See, zur Alpikette bis hin zur am Vierwaldstättersee liegenden Rigi. Der südliche Teil des Grundstücks weist eine freie Aussicht auf, im nördlichen Teil ist die Aussicht zum Teil verdeckt durch Bäume im davonstehenden Grundstück. Das Haupthaus ist im südlichen grossen Grundstücksteil angeordnet. Das Grundstück weist dadurch eine optimale Ausrichtung, wie auch eine optimale Besonnung aus. Das Nebenhaus ist halbgeschossig versetzt und liegt im nördlichen Teil. Dazwischen ist die gemeinsame Unterniveaugarage angeordnet.



Villa Underground Floor



Villa Ground Floor



Villa First Floor



Villa Description

In der Villa sind untergeschossig jedoch ebenerdig die Kinderschlaf- und Spielzimmer (kann zu Schlafzimmern umgenutzt werden) angeordnet. Im hinteren Teil Sport&spa sowie ein 15m Indoorschwimmbau und ein Heimkino und Panikraum. Die Hauptgarage zwischen den Bauten ist halbgeschossig versetzt und direkt zugänglich aus diesem Geschoss. Optional ist ein zusätzliches Untergeschoss möglich mit Ottimargarage und zusätzlichen Kellerräumen.

Im Erdgeschoss sind Wohnen, Essen, Redukt, ein großes Büro sowie Garderobe untergebracht. Das Erdgeschoss ist ebenso wie das Untergeschoss zum Garten hin offen gestaltet. Die Tiefgarage ist so angeordnet, dass ein Außenpool möglich wäre. Im Obergeschoss gibt es eine Lounge mit herrlicher Aussicht, das Elternschlafzimmer und eine großzügige Boutique. Vorgelagert eine Terrasse zur schönsten Aussicht auf den Zürichsee. Alle Geschosse werden durch einen Lift erschlossen.

Aspect of the villa interior



Section





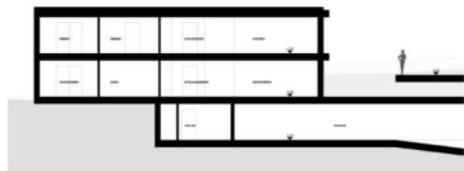
WETTBEWERB MEHRFAMILIENHÄUSE



Apartmenthouse Underground Floor



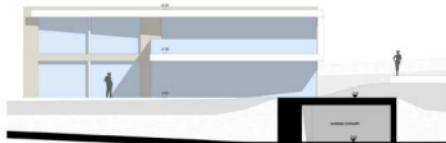
Apartmenthouse Section



Apartmenthouse Ground Floor



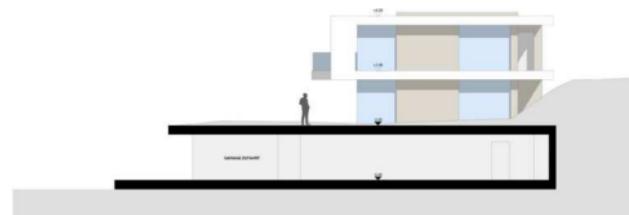
Apartmenthouse South Elevation



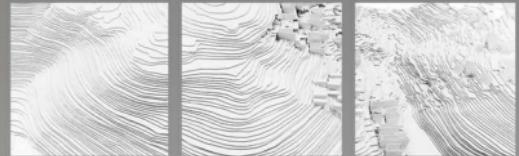
Apartmenthouse West Elevation



Apartmenthouse East Elevation



Das Grundstück weist dadurch eine optimale Ausrichtung, wie auch eine optimale Besonnung auf. Das Nebenhaus ist halbgeschossig verteilt und liegt im nördlichen Teil. Dazwischen ist die gemeinsame Untergarage angeordnet. Im Nebenhaus können zwei grosszügige luxuriöse Eigentumswohnungen realisiert werden. Terrasse und Garten geben diesen Wohnungen den nötigen Außenraum. Die Erdgeschosse Wohung wurde gemäss Programm zu einem Büro geplant, kann jedoch jederzeit umgenutzt werden. Alle Geschosse werden durch einen Lift erschlossen.



SHAPING THE EDGE

Eidgenössische Technische Hochschule Zürich,
Supervisor Professor Marc Angelil, Director of studies Hell Rainer

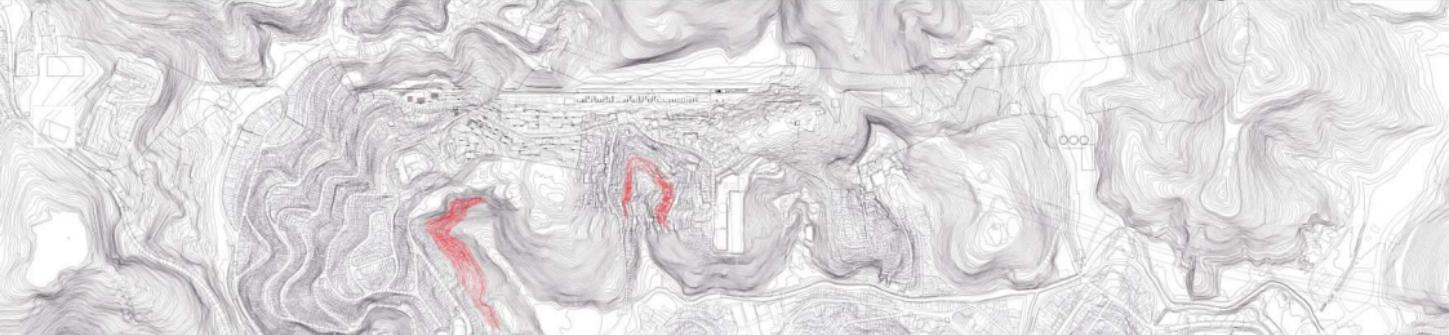
Shaping the edge is a project that deals with favelas in São Paulo, Brazil, in a sense of a new housing settlement under the program "Minha Casa, Minha Vida".

This project suggests a solution for steep topography problems and for restraining the soil from retreating in areas with risks of floods and landslides. It is an innovative idea of a double function. It is an infrastructure made of a concrete net that holds the slope at its foundation, and at the same time has anchorages that support wooden columns holding the housing units and the platforms of public and individual uses on the top of them. The houses on the top of this construction are made of prefabricated wooden elements that come together according to the needs of each family. They are totally adjusted to the topography and stretched according to the concrete grid that supports them and the slope from below. Therefore, this net becomes extruded in the third dimension through houses that are suspended from above just like tree houses. It will be a flexible system that will suggest where the housing will be established but will also lead a future installation, so that it will work as a tool of controlling urban sprawl.

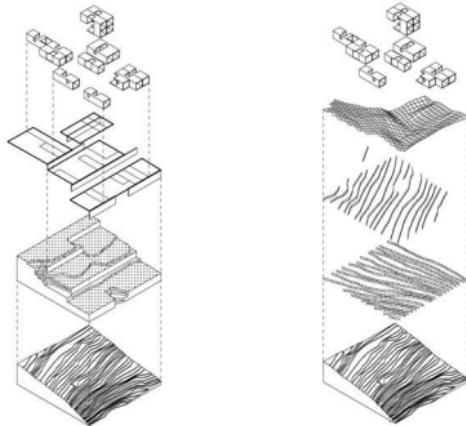


Masterplan

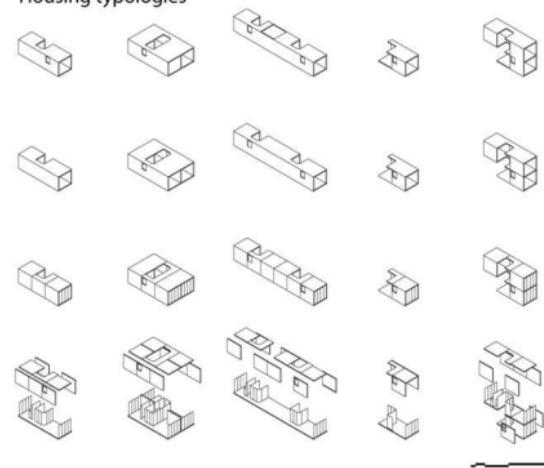
Area of investigation: Sao Paolo, Brazil



Ground supporting methods

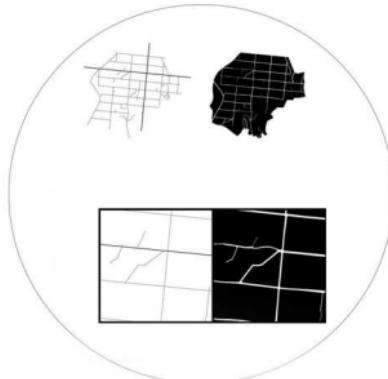


Housing typologies

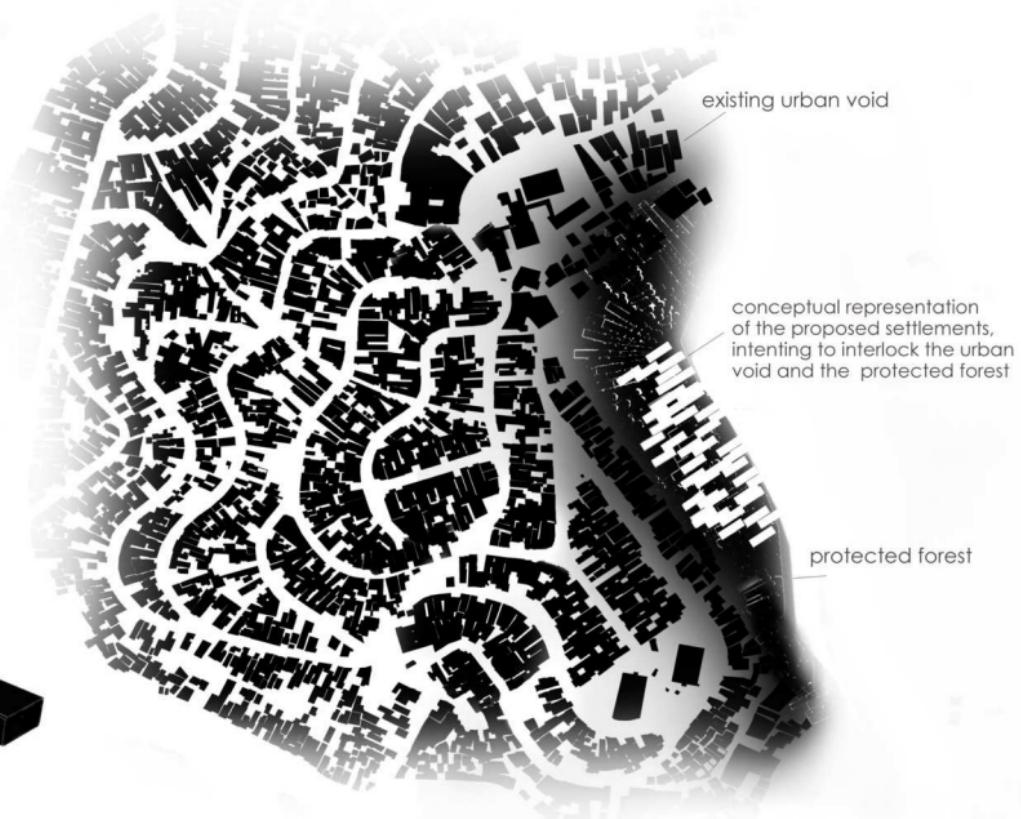
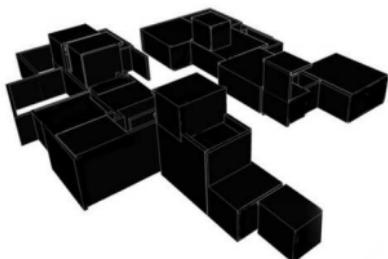




analysis of the urban grid
of a neighborhood



the existing
housing settlements



existing urban void

conceptual representation
of the proposed settlements,
intending to interlock the urban
void and the protected forest

protected forest

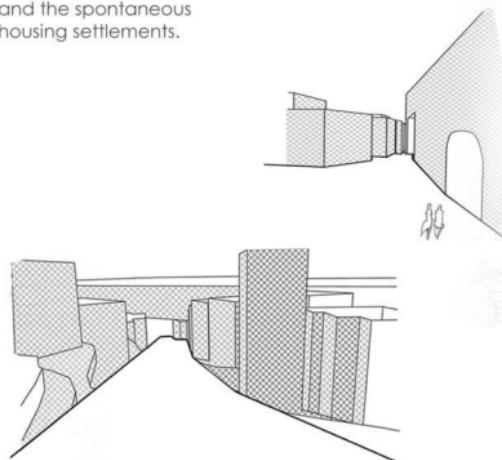


SHAPING THE EDGE

existing situation



sketch of favelas
in Rio de Janeiro,
indicating the high
density problem
and the spontaneous
housing settlements.



various views of Rio De Janeiro central streets
,located just a small distance from the favelas





SHAPING THE EDGE

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new proposal

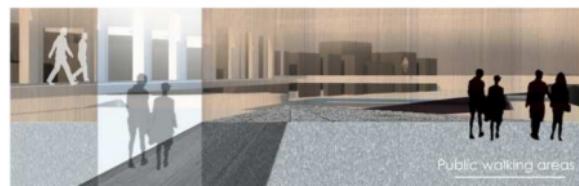
Masterplan Layout



Each housing unit is completely adopted to the ground and it is suggesting a unique settlement for families of two, three or four people.



Typologies

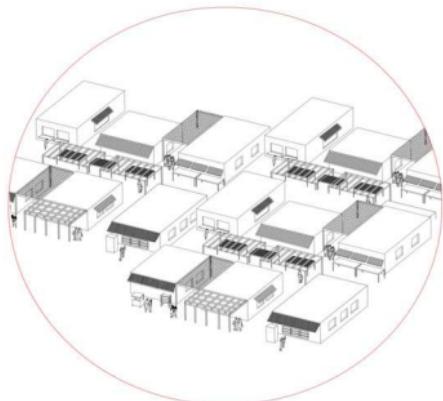


Public walking areas



exterior of the public library

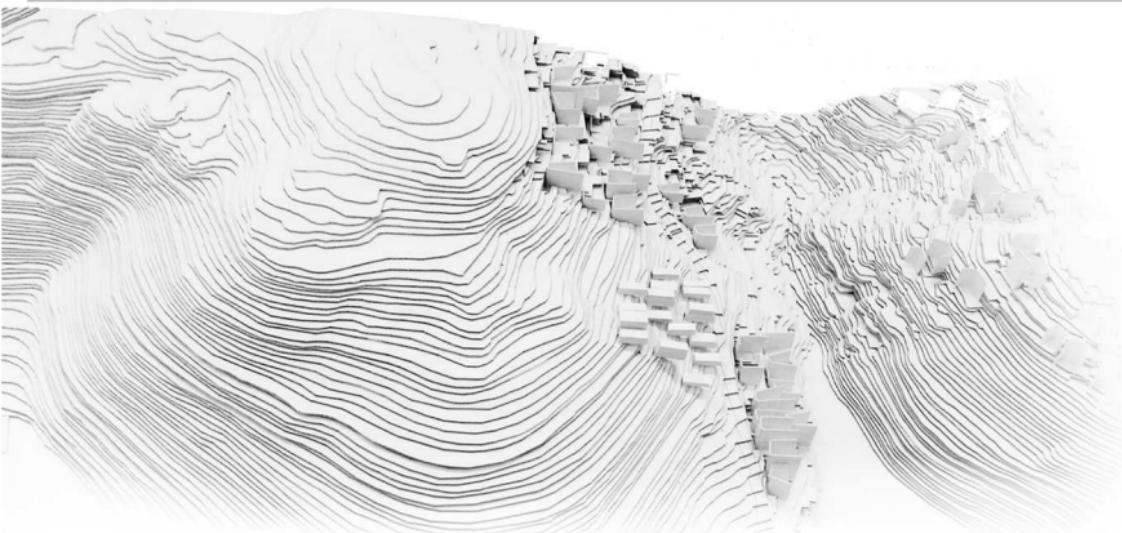
The common public spaces and the library are located in the centre of the new urban settlement. Cobogos- typical Brazilian decorative elements made of brick- are used in the facades, in order to connect with the traditional existing building surroundings, but also to give the modern synthesis a traditional style



axonometric of proposal for rehabilitation and reuse of commercial areas



interior of the public library



this site, which is characterized by steep topography and the intense nature element, the forest. We try to deal with this edge between cityscape and landscape and we perceive this edge as a transitional situation constantly changing according to different tensions that are imposed on it, which push or pull this limit.





HOTEL AND RESORT

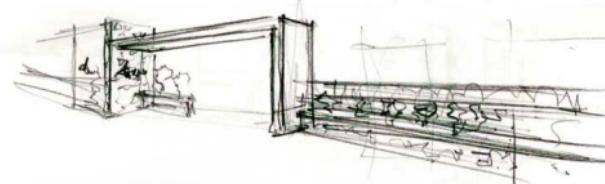
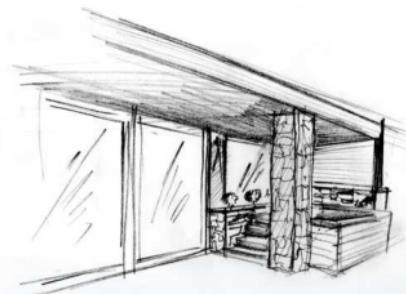
Gagos Architectural Constructions Company
in collaboration with E.Kiritsi, Architect

The proposed program is a hotel with 42 rooms, a reception, a café-restaurant, a small spa and a multifunctional space. The open space program includes a marina, swimming pools, and shielded parking lots behind natural walls, protected by trees from overheating. The aim is to create a destination for relaxation next to the seaside. For this reason the design is characterized by simplicity and small, discrete volumes, all open to the sea view, with southern orientation for energy gain. One part of the hotel rooms wing forms a "hug" taking a 40° declination to define the open public space. The access to the hotel and hotel rooms is from the northern side. All secondary rooms build a "buffer" zone to the cool north. All outdoors are planted with trees and bushes to provide a cool microclimate in the summer months and a healthy environment for the visitors.





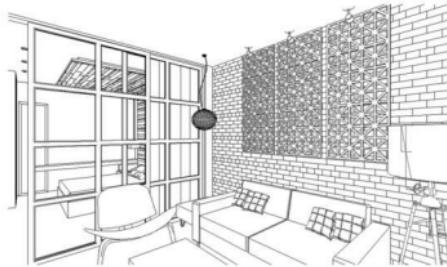
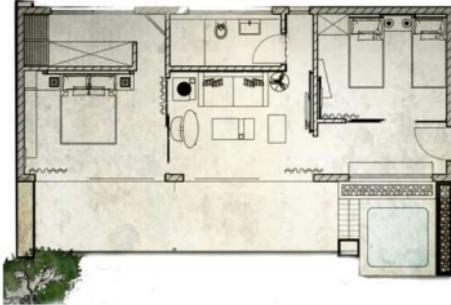
Masterplan development is succeeded according to the needs of a hotel with the view at the sea, taking advantage of the slope and putting the common uses of internal and external visitors at the heart of the synthesis, and the rooms in little levels, providing with view every single room





HOTEL AND RESORT

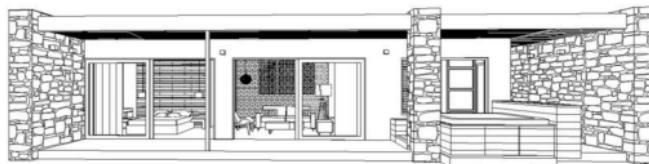
rooms design





HOTEL AND RESORT

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room design





HOTEL AND RESORT



development of the idea









HOTEL AND RESORT



development of the idea

pool and restaurant area





URBAN - RURAL TRANSITION

ΝΟΤΙΩΝΑΤ ΙΑΒΑΝΑ - ΝΑΒΑΝΑ

LANDSCAPE DESIGN

Diploma Thesis. In collaboration with A. Kampouri, Msc Architect RISD
Supervising Professor N. Kaloghrou, Chairman of the AUTH Department of Architecture

The aim of redesigning Elia square and the area around it in Veria city, Greece, is creating a sustainable relaxation area in a central axis of the city and at the same time a border zone between nature and city, next to a highly inclined slope. Our major objective was to offer a green lung for escape to citizens, to provide an improved microclimate for the area and a place to rest far from the city's noise. The main city roads guide directly into the heart of recreational facilities, a public gathering place. There is a transition from the urban environment and its austere language to a free landscape formulation with a dynamic reproduction of natural qualities. We suggested planting a lot of trees all over the place, such as acacias, plums, beeches and pines, which are suitable for the local climate and will add seasonal coloration. They will reduce urban heat, CO₂ emissions and will provide cleaner air.

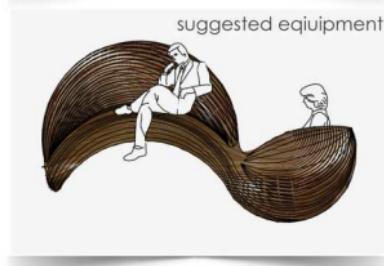
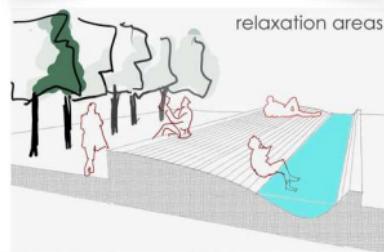




URBAN – RURAL TRANSITION ELIA REDESIGNING

i
general plan







the new proposal will be consistent by several water paths that interrupt the tranquility of the whole synthesis and compose a variety in shapes and colours. When people take their walk they are protected from the sun that burns in central Greece in the summer and in the winter there are large pergolas in many moments of the park that allow people to meet and relax there. The trees chosen for the proposal are from the region and are very durable for both winter and summer and create a sustainable environment for the city. There are also small bridges that are either decorative or useful for completing the gap in inclinational spots, that use wooden material to emphasize the nature element even more.





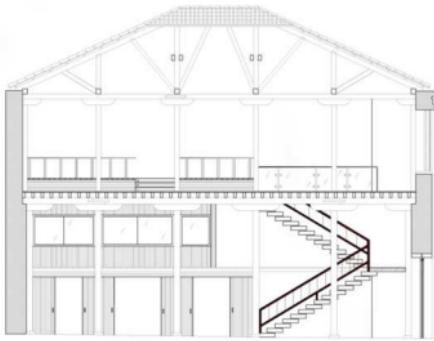
URBAN – RURAL TRANSITION ELIA REDESIGNING

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various views

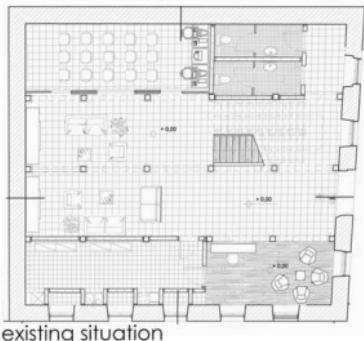




existing situation



Proposal of restoration- a new piano restaurant in the park



existing situation









NEIGHBORHOOD ENSEMBLES

URBAN DESIGN

Academic Project, AUTH Department of Architecture,
Professors P. Stathakopoulos, P. Asimos

The intervention area of 12 acres lies in the southern area of Thessaloniki. The infra structure of its surroundings concentrates numerous land uses, as private companies, offices, social housing and shops. The south is open to the sea. The main idea is to build groups of neighborhoods, characterized by low density and open space qualities, promoting social connections in the settlement. The complex is composed of introvert orthogonal clusters which are open to inner green, health providing courtyards to meet each other, relax and allow safe playing for children far away from cars and noise. Pedestrian access to the buildings happens from the courtyards. Cars have access perimetricaly from 3 sides, while car parking is provided for each neighborhood separately. A pedestrian axis with three squares of different character guides from the main road to the seaside and enhances the central circulation to each of the sub areas. The idea is to have a walkable network of public spaces. The building blocks have 4 different apartment types. Housing at the upper floors co-exists with shops at the ground floor, to allow a vibrant social space. A suggestion for a school, a church and a tennis court is also included, as well as a proposal for a particular bus stop design for this area.



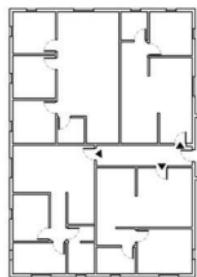


house types

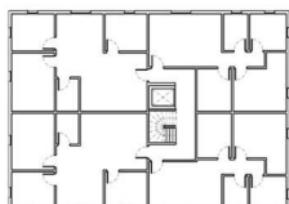
A



B



C



D





plan of a standar block of flats (Typology A)





NEIGHBORHOOD ENSEMBLES URBAN DESIGN

zoom area

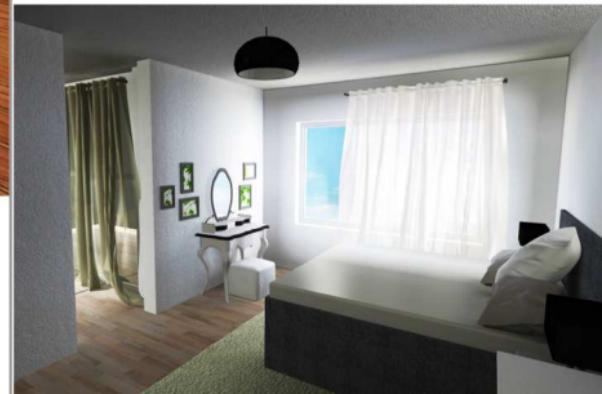


proposed neighborhoods



playground



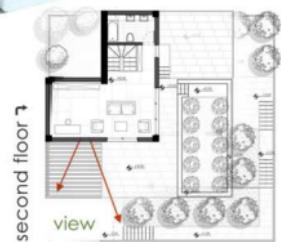
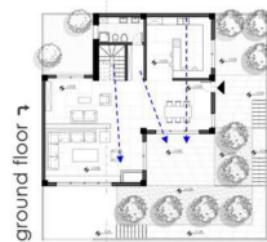
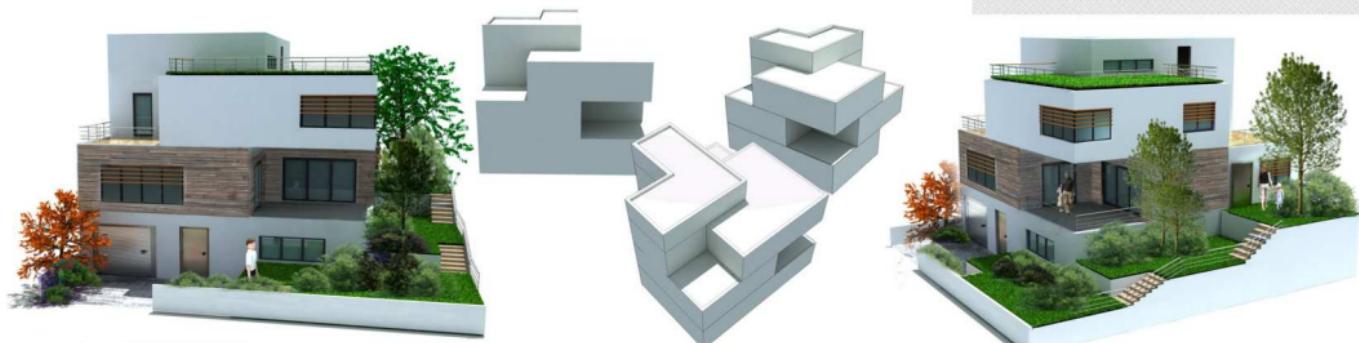
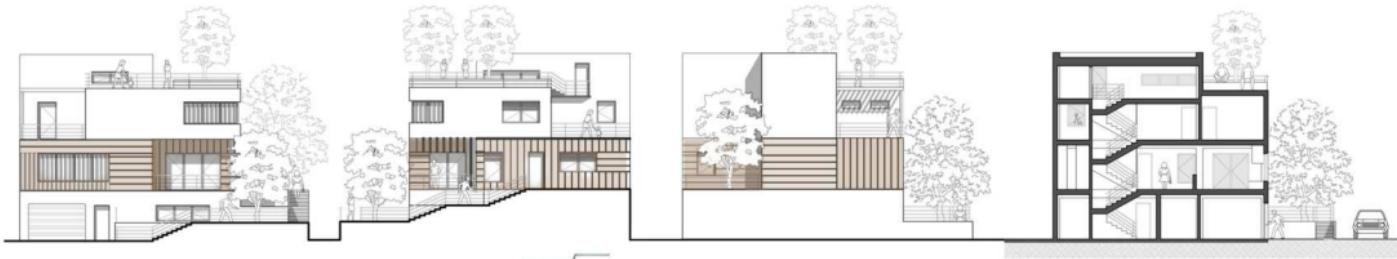


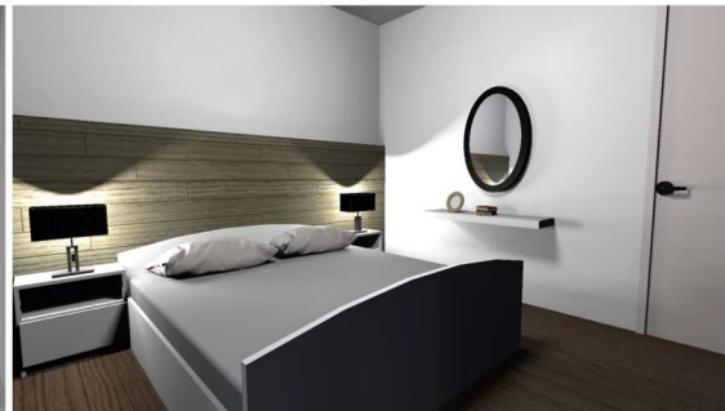


FAMILY HOUSE

Gagos Architectural Constructions project, supervised by C.Gagos,
Senior Interior Designer and CEO of Gagos Architectural Constructions

The building is designed for a family with 2 children. It is placed in the city of Thessaloniki, on a hill with a unique view, which is incorporated to the design. At the upper floor a relaxing space extends to a garden terrace overlooking the city. The idea to play with cubes in a sculptural way derives from the medieval city wall in the neighborhood. Volume games characterized by simplicity build alcoves and overhangs. A sustainable design provides energy gain through southern openings, passive solar systems and appropriate orientation of the living spaces. A big sheltered outdoor room is the extension of the sitting room in the summer months and turns to a winter garden with installation of mobile glass panels. Horizontal and vertical wooden blinds, as well as pergolas, protect the outer shell from overheating. The staircase plays the role of natural cooling in the summer through the "stack effect" bringing cool air from a ventilated basement. Plants and trees in the little garden and green roofs provide a balanced microclimate, which is essential for living in a relative dense city area. The northern green terrace is designed with a trellis to stay cool in the summer and allow the breeze come inside. At the eastern side a row of deciduous trees protect from overheating. On the western side the house leans to the adjacent buildings.









REBECCA ITALIAN JEWELRY

REBECCA ITALIAN JEWELRY

Gagos Architectural Constructions Company, supervised by C.Gagos
Senior Interior Designer, Ceo Gagos Architectural Constructions

This is a project realized for one of the shops of the Italian brand "Rebecca Jewelry". This shop is located in Greece, in the most central road of the historical centre of Larissa city. There was a need to fulfill the client's wish for large storage with a modern and minimal design, using contrasting colours for the two main facades of the shop and also taking advantage of every little corner and using smart solutions to save space. Such an example is the large lightbox at the back, that opens and is used as a door leading to the storage room.



JEWELRY SHOP

development of the idea





JEWELRY SHOP

i
development of the idea





RENOVATION OF A HISTORICAL PHARMACY

Individual project, supervised by C. Gagos,
Senior Interior Designer, CEO of Gagos Architectural Constructions

The project that follows describes a renovation of a historical pharmacy in the heart of Thessaloniki and it is part of a historical building. It is designed in a more retro style with references to the past and it proposes the use of wood as the main element. The arches refer to the arches that exist in the historical centre of Thessaloniki, which are from the Roman period. The two main facades of the interior space are decorated with old fashioned glass containers, like the ones used for medicines in old pharmacies. The green colour is chosen for giving a natural feeling and the furniture follow organic shapes.



REDESIGN OF A HISTORICAL PHARMACY



With this project I tried to compose a contemporary design, respecting and translating the old fashioned element into a new one. I had to respect the windows and the entrance facade. The choice of wood as the main material, is giving a sensation of hospitality. The stands and the desk are given organic forms,to refer to the nature element, which is connected to the pharmacy products. The whole approach is meant to be gentle and elegant



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