

nWn  
Portfolio



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# ABOUT ME

I am an architect with a master's degree in architecture from the Technical University of Madrid, Spain.

I have solid training and experience as architect and designer, worked in commercial projects, a hotel in Los Angeles and some Duty Free stores in Barajas T4 airport, and in competitions such as master plans, hospitals, schools and museums. I also have experience in BIM set-up, implementation and administration; I have been in charge of implementing Revit officewide recently.

Currently I am exploring practical coding and I have developed a keen interest in Python and Dynamo and its applications in parametric design, BIM standards implementation, and design workflows.

This knowledge is complemented with advanced literacy of AutoCAD, SketchUp, Photoshop, and good knowledge of Rhinoceros, ArchiCAD, the Adobe Suite and Lumion.

I look forward to the opportunity to achieve more with you.

# MY RESUME

## SKILLS

**Architecture:** Revit, ArchiCAD, AutoCAD, Dynamo, Rhinoceros, SketchUp, Lumion

**Design:** Photoshop, Illustrator, InDesign

**Web:** JavaScript, Html, CSS, jQuery, gulp, git/github, React, Python

**Languages:** Native Spanish, competent English (IELTS 7.5), spoken Chinese

## PROJECTS

### **Personal website** March 2018

Designed and coded from scratch while working on Udacity´s Front-End Nanodegree to showcase my work. Responsive design and accessible  
Technologies used: JavaScript, GSAP, jQuery

### **Implementation of Revit officewide** June 2017

Successfully delivered a set of SD drawings for a 40.000 sq. m education center project in less than 2 months

Resolved the transition from CAD in the 4 members team by staging small achievable goals and with use of scripts made in Dynamo and Python to accelerate and improve workflows

## WORK EXPERIENCE

**fte arquitectos** | BIM manager | Madrid, Spain | 2017 - 2018

BIM manager, responsible for officewide implementation of Revit and set-up of BiM standards. Creation of families and scripts in Dynamo adapted to the firm's needs. Modelling and rendering of a school complex and a outlet mall in Revit.

**Freelance** | Architect | Madrid, Spain | 2016 - 2017

Designed malls in Concept Phase and adapted existing infrastructure to new flows and compliance with city code.

**asap pllc** | Architect | Buffalo, USA | 2015 - 2016

Collaboration in Schematic Design and Design Development for a 28-story hotel in downtown LA

**Beades arquitectos** | Architect | Madrid, Spain | 2014 - 2015

Junior architect, collaboration in different projects and competitions

**HT arquitectos** | Architectural intern | Madrid, Spain | 2012 - 2012

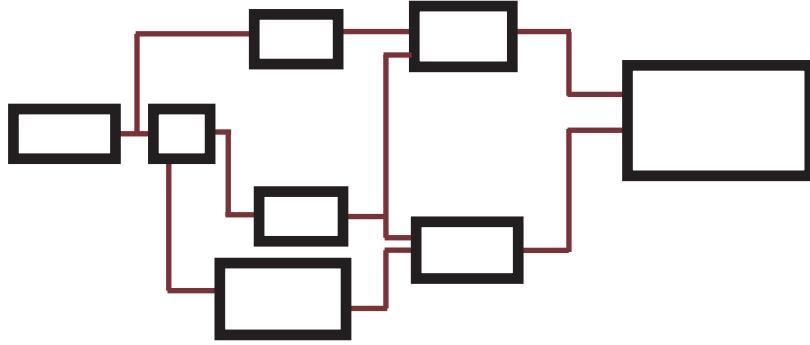
Internship, collaboration in detailing and construction plans of Duty free stores in T4 Barajas

## EDUCATION

**Udacity-Google** 2017-2018

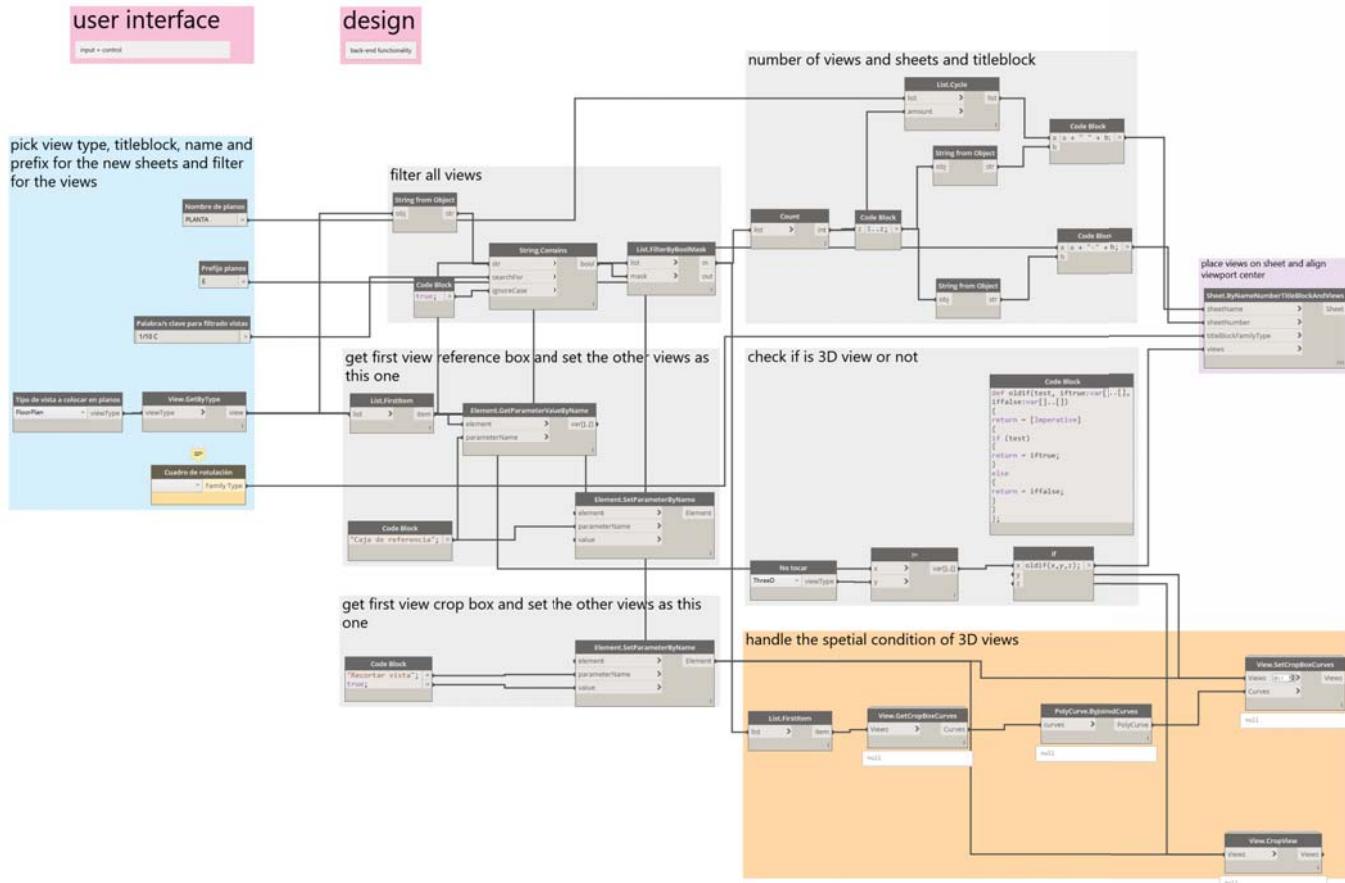
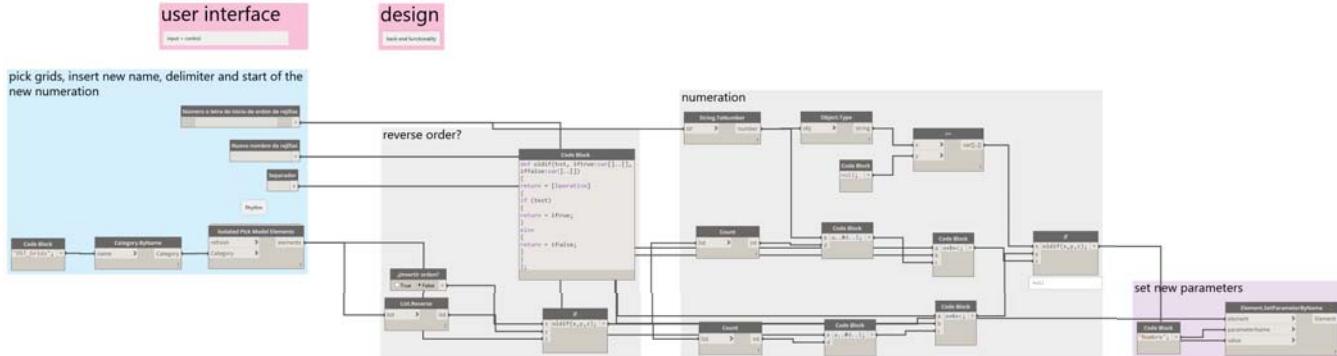
Front End Web Developer Nanodegree scholarship

**Superior Technical School of Architecture of Madrid**, UPM, Spain 2006 - 2014  
Master's Degree in Architecture

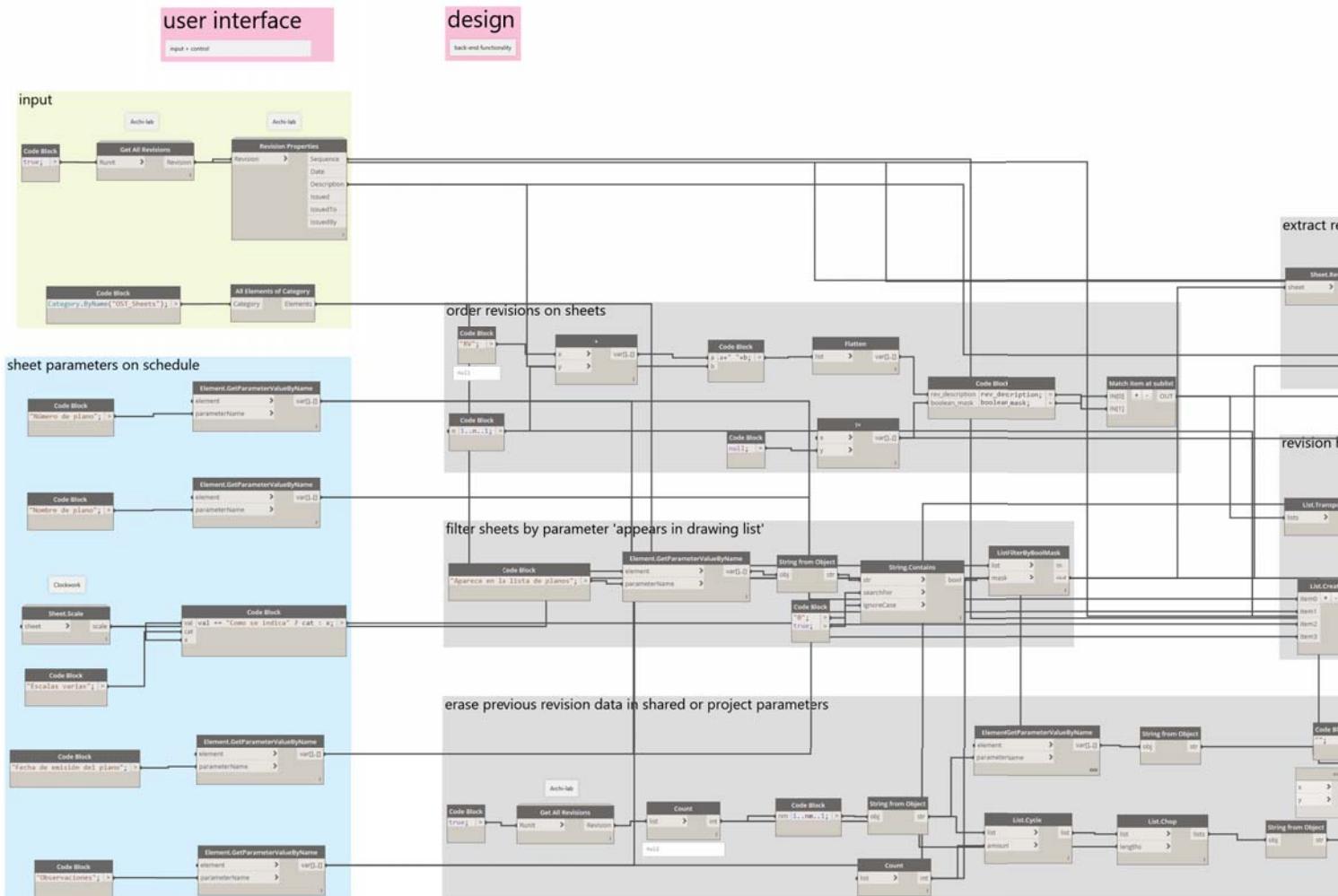


## REVIT ENHANCEMENTS DYNAMO SCRIPTS

**Year:** 2017 **Brief:** A series of scripts in Dynamo to help implementing BIM standards across the office and to improve the workflow. It ranges from generating a revision history sheet, which tracks every revision on sheets and exports a schedule to Excel; a script to place objects on any curve divided by an equal length, an extension of the current built-in array; rename and renumber grids or change its order, which can be extended to almost any object; place existing views on existing sheets or new ones and align them with a reference view; duplicate a sheet with its views and so on. The current release of the API allows an almost endless range of scripts to automate tedious or unachievable tasks within Revit's built-in functions.

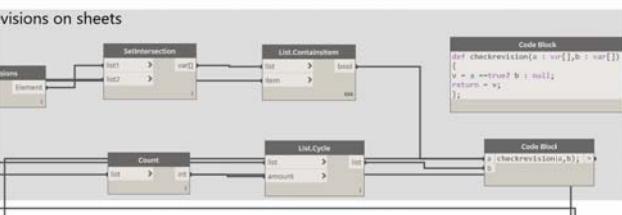


Dynamo

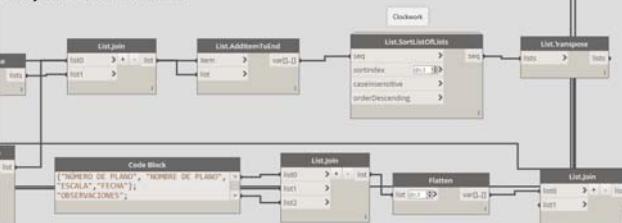




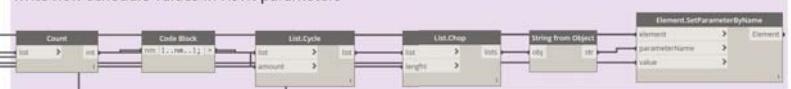
#### visions on sheets



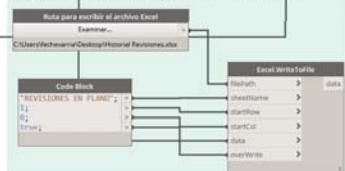
#### history on sheets schedule

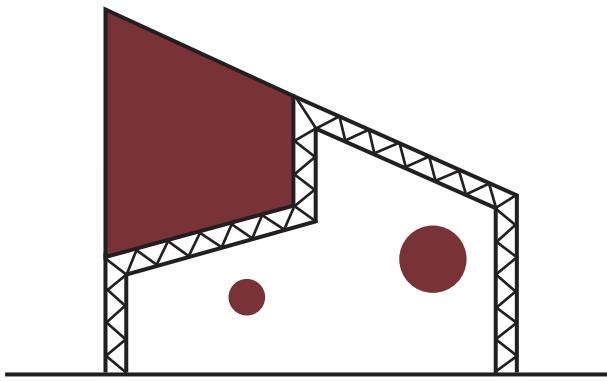


#### write new schedule values in Revit parameters



#### export revision history on sheets to Excel





## FUN FACTORY SANTA'S NEW HEADQUARTER

**Year:** 2017 **Location:** Oulu **Area:** 85.000 m<sup>2</sup> **Brief:** The headquarter integrates the logistic and the production line, embodies a contemporary look with underlying references to traditional architecture. The designed building resembles a long and large industrial facility, however it embraces the magic in its interior and exterior as well. The round white windows reminds of snow in contrast with the vibrant reflective red panels that encloses the factory and in the interior there is a closed gallery hanged from the the structure where visitors can walk over the entire factory without interfering with the production line. Also, there is a huge chimney shaped tower with a huge skylight, where Santa and his staff´s offices are located, a physical reference to the traditional entrance of Santa through the roof.

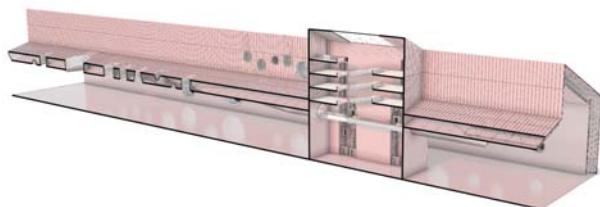
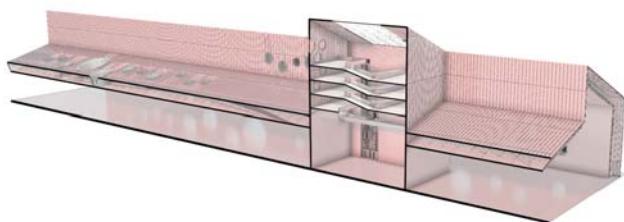
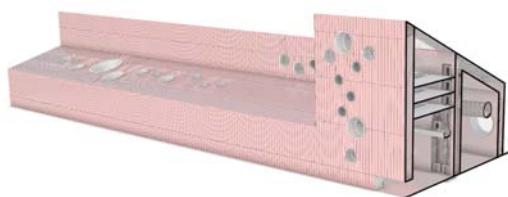
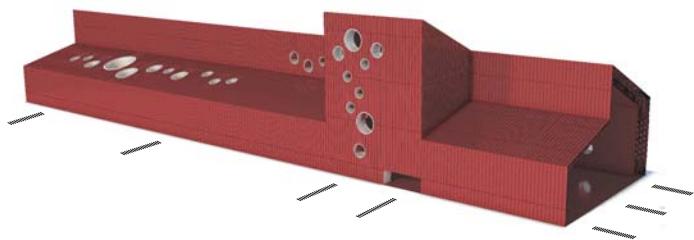


SITE PLAN  
SketchUp + Photoshop

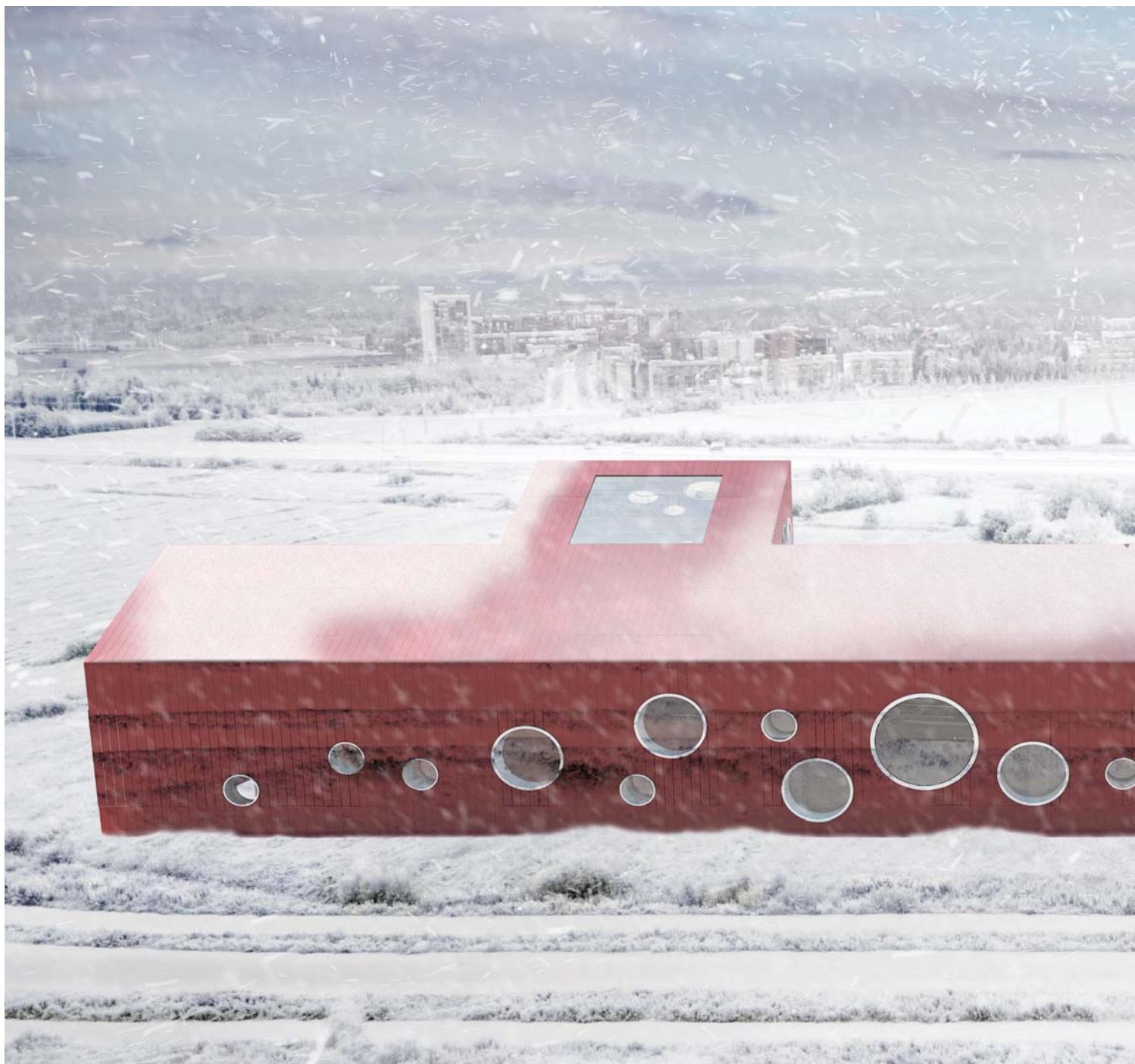


ENTRANCE VIEW

SketchUp + V-ray + Photoshop

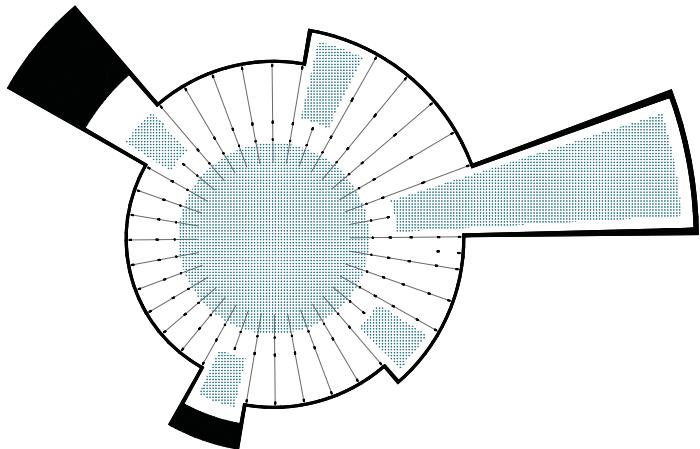


3D SECTIONS  
3d Max + Photoshop





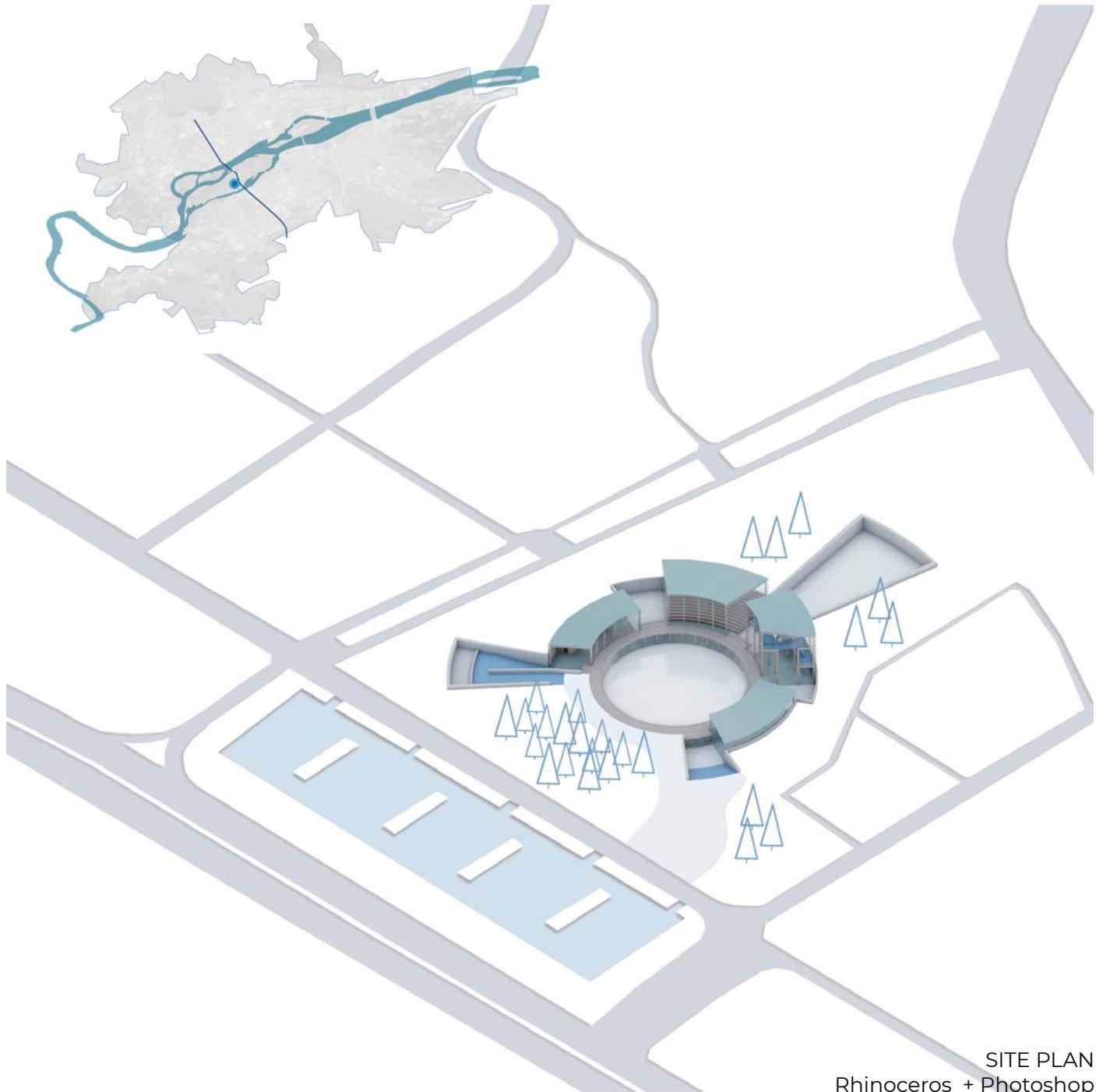
EXTERIOR VIEW  
SketchUp + V-ray + Photoshop



## ICE CITY

# LEISURE COMPLEX IN KRASNOYARSK

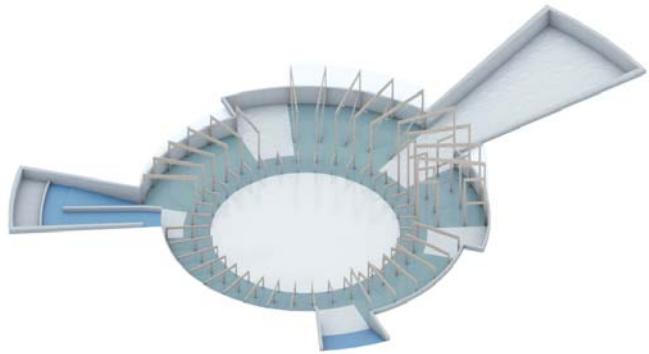
**Year:** 2017 **Location:** Krasnoyarsk **Area:** 12.000 m<sup>2</sup> **Brief:** Krasnoyarsk is a small island where more than a million locals come to celebrate the arrival of the warm seasons as well as the coming of the winter and take advantage of the earlier snow before severe temperature drops cuts off any outside social gatherings. For these months it is required some shelters and facilities to enjoy summer festivals, like restaurants. Preserving the magnificent valleys full covered by trees and set to minimum level the impact of the new Ice City is the main idea of this project. Most of the facilities are buried under the ground and the central ice skating area is sunken, so visitors can watch the skaters as well as the entire surroundings. The materials were carefully chosen, the interior is mostly finished with wood, that is abundant in the area, even the columns and beams structure, and glass for the facade and durable concrete for the retaining walls.



SITE PLAN  
Rhinoceros + Photoshop



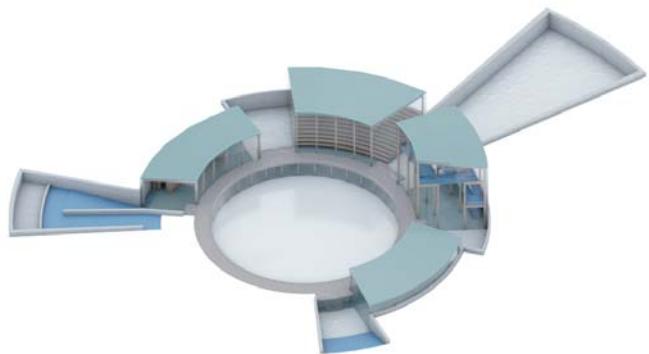
SITE



STRUCTURE

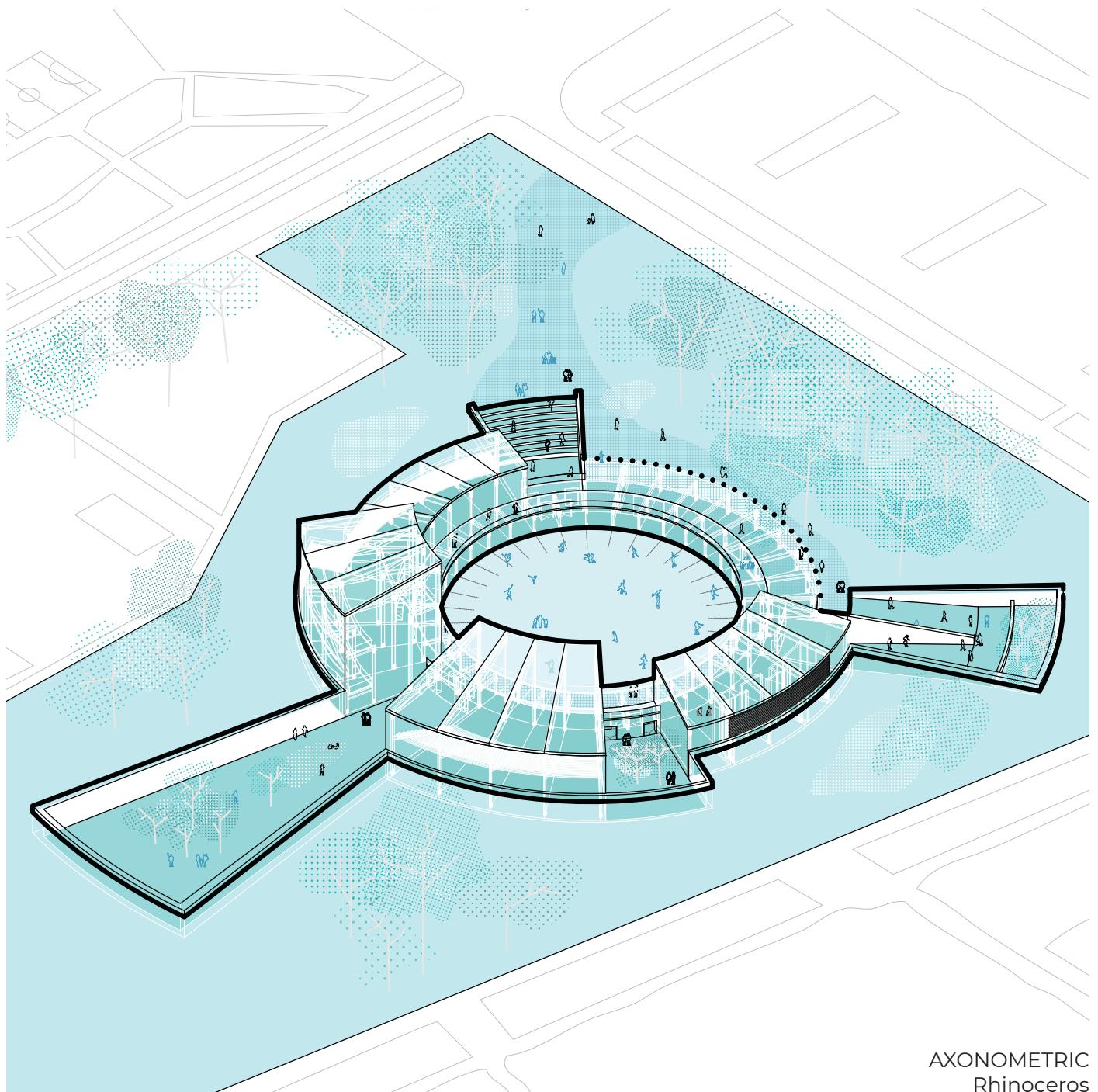


INTERIOR

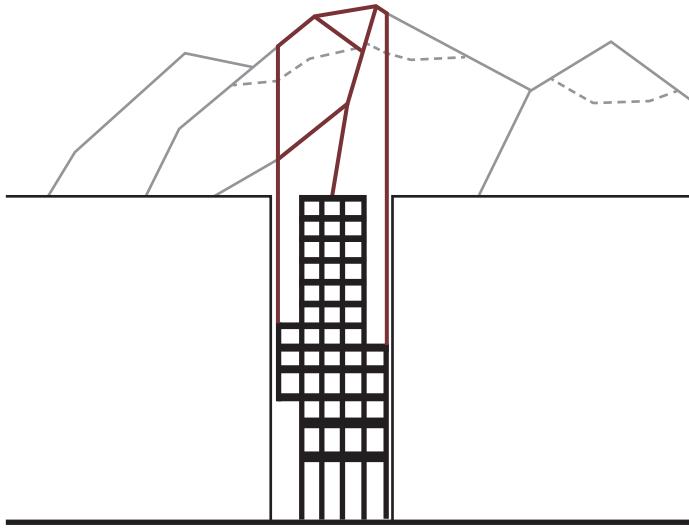


FAÇADE

AXONOMETRIC DIAGRAMS.  
Rhinoceros + V-ray + Photoshop



AXONOMETRIC  
Rhinoceros



## LA HOTEL

**Year:** 2015-2016 **Location:** Los Angeles **Phase:** Design phase and Development Design **Area:** 15.000 m<sup>2</sup> **Brief:** Situated in the core historic district of downtown Los Angeles, this hotel will capitalize on the accelerating growth and development of the downtown area as a business and tourism destination. The design will build on its distinctive location and cultural context to create a landmark destination and memorable hospitality experience. The hotel will contain 176 guest rooms, including about 20 suites, situated on 28 floors. Public spaces will include a roof bar with pool, fine dining restaurant, garden bar with film screen, banquet space, conference facilities including screening rooms, outdoor whirlpool, retail space, business center, and fitness center. The design of the hotel is based on the idea of a large rock in the landscape, drawing on a generation of land art in Los Angeles and the southwestern United States. It benefits from the tension with the existing historic buildings to create a distinctive icon in the landscape, framed by outdoor public spaces adjacent to the entry. Interiors will be simple and modern, using materials such as concrete, wood and glass, with a design tailored to emphasize the hotel's cultural program. The roof bar will be downtown Los Angeles' highest outdoor public space, with panoramic views of the skyline and mountains.



GENERAL VIEW  
Image courtesy of asap LLPC



DAY VIEW + VIEW OF THE TOP  
Images courtesy of asap LLPC

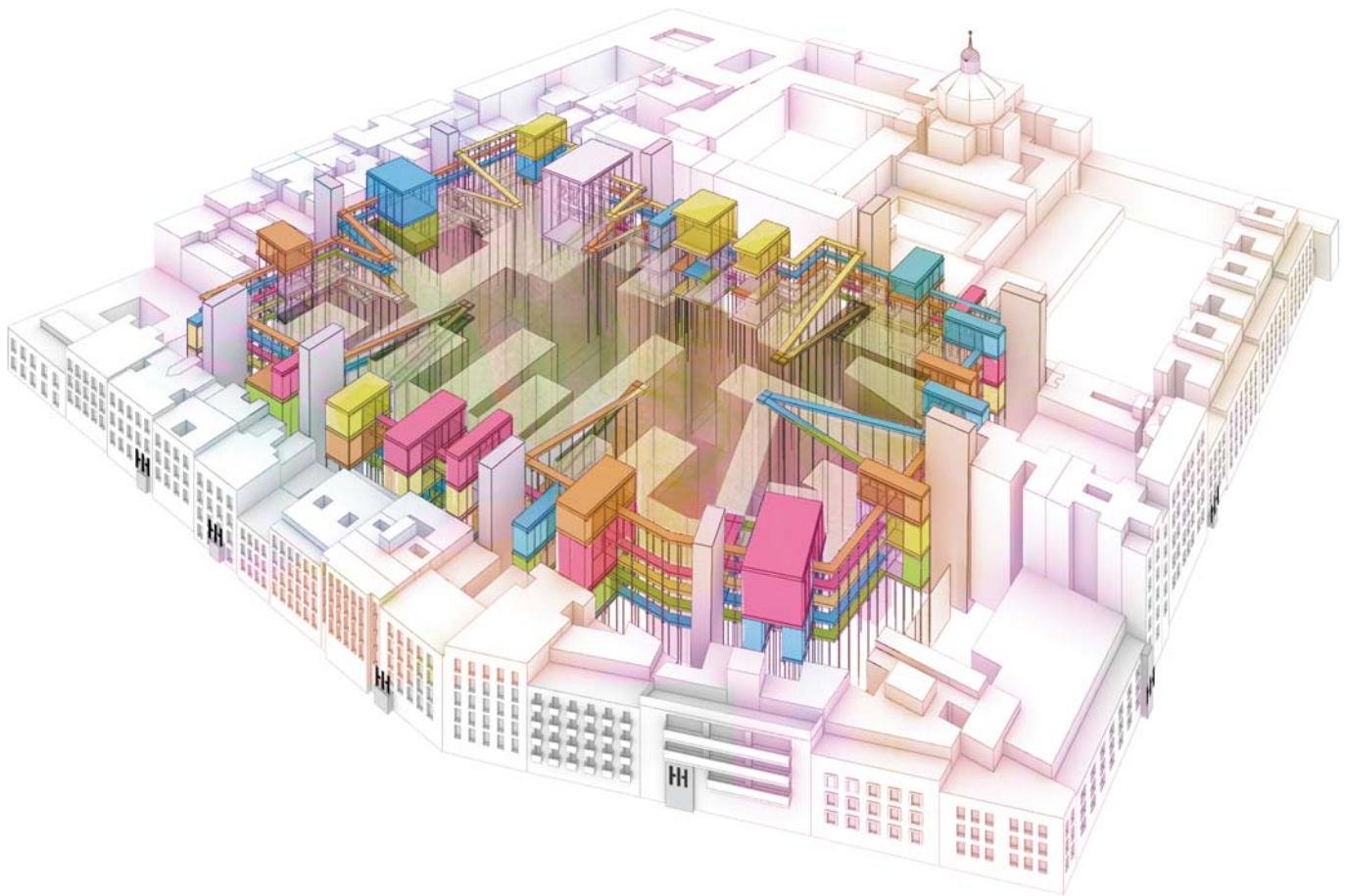


STREET VIEW  
Image courtesy of asap LLPC

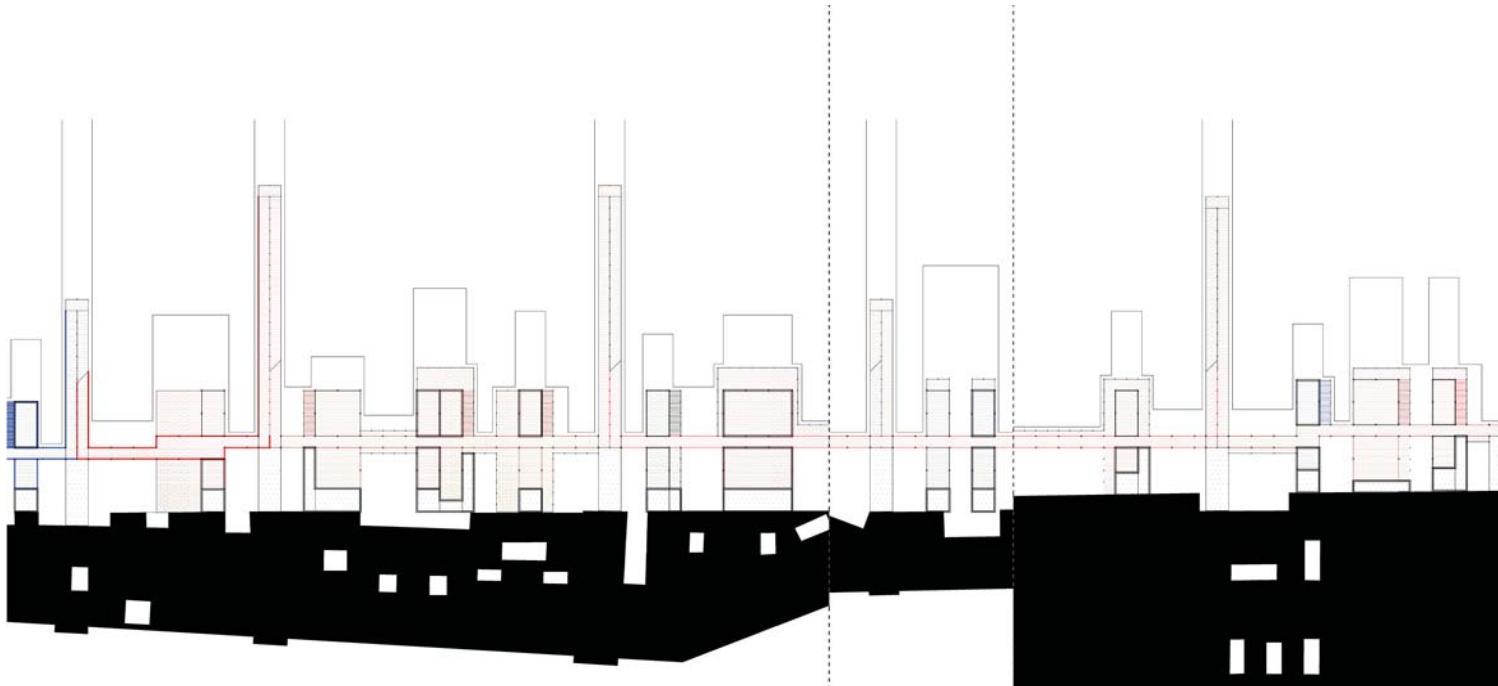
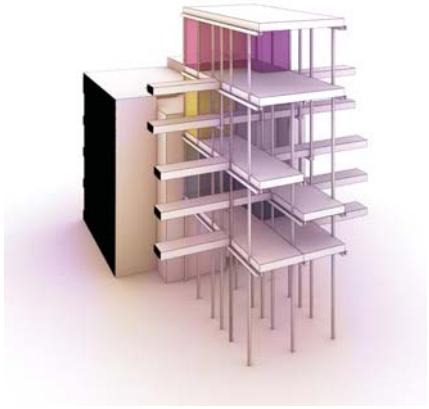
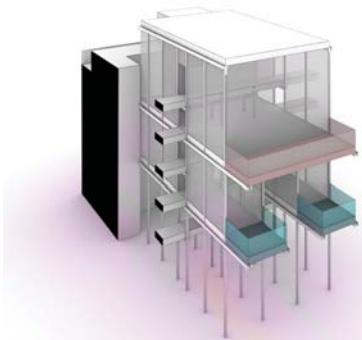
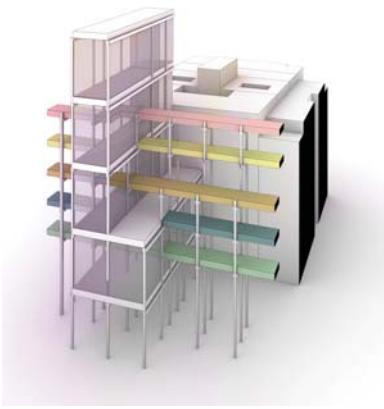


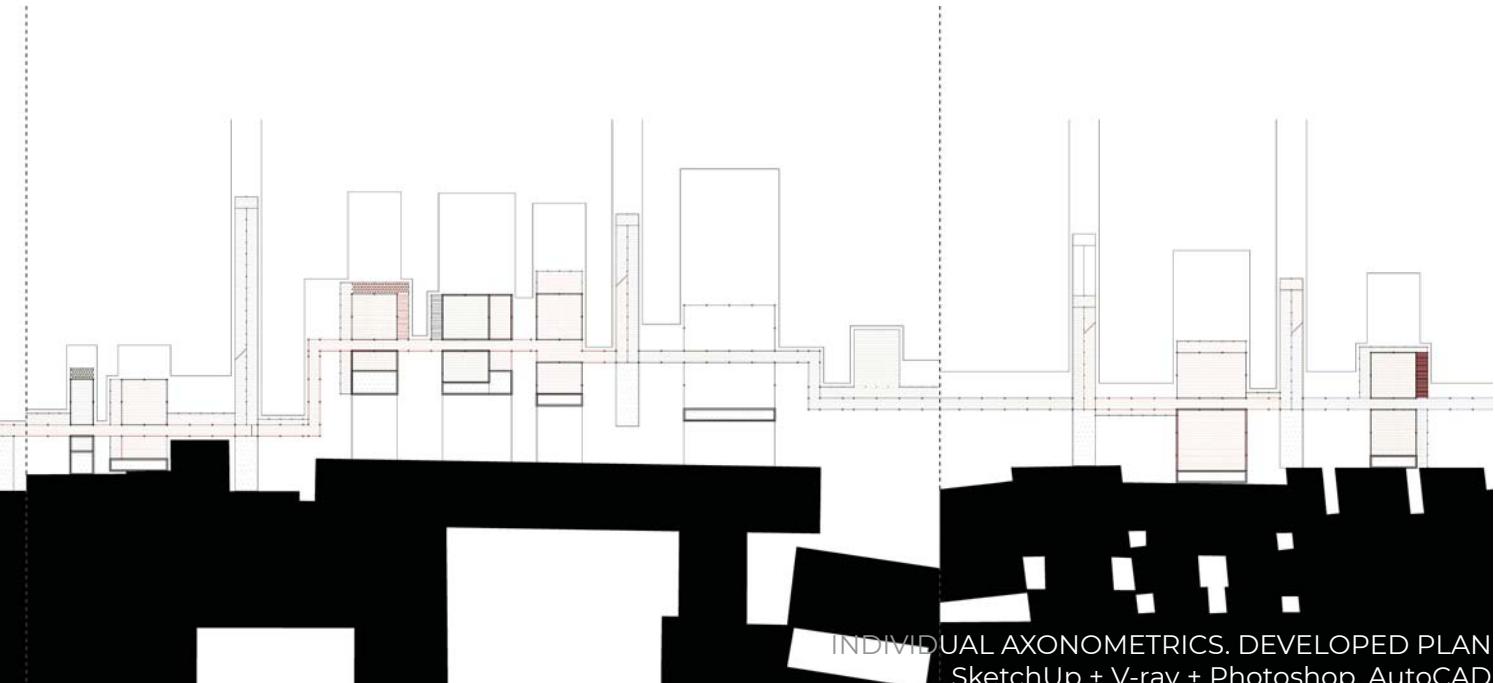
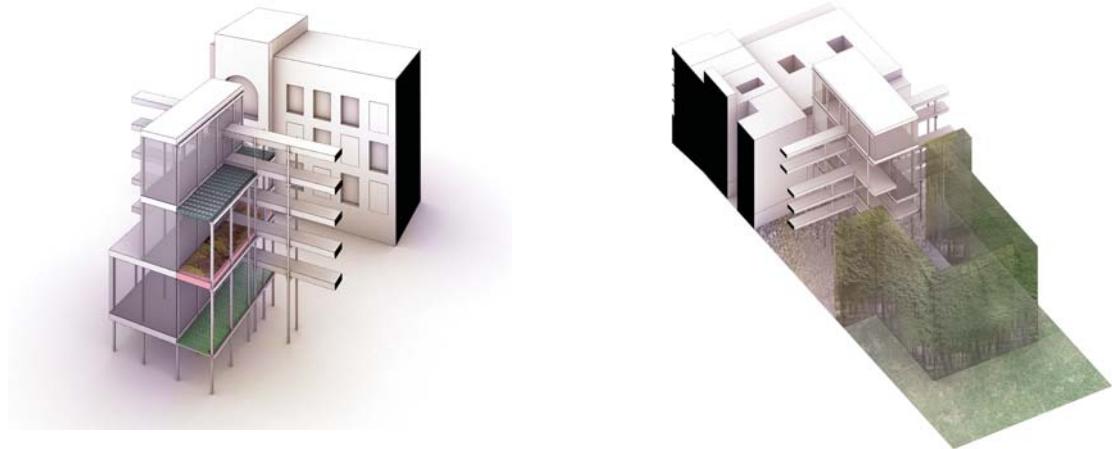
## INSPIRATION HOTEL RESIDENCE FOR ARTISTS

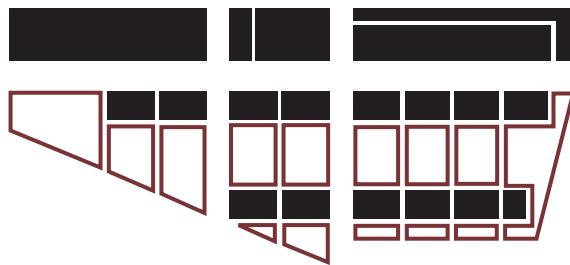
**Year:** 2015 **Location:** Madrid **Area:** 13.000 m<sup>2</sup> **Brief:** In the historical district of La Latina, there is a huge empty patio inside a giant block unused. The proposal works around the idea of transforming this plot into a new colonized space for artists as residence without interfering in the current buildings. The central idea is to live inside the atmosphere of neoclassical gardens, those that we can find in the near Sabatini's gardens or Retiro park, or even in the convent's patio that is in the right corner of the block. So, box shaped spaces are constructed around the interior walls of the patio, avoiding block any windows or openings and connected by open galleries. Those boxes are stacked, so every one has a different content inside, related to the five senses connected by galleries that have the same experiential quality. In essence, this is a place to stimulate every sense and to feel connected to the past while in the modern city.



GENERAL AXONOMETRIC  
SketchUp + V-ray

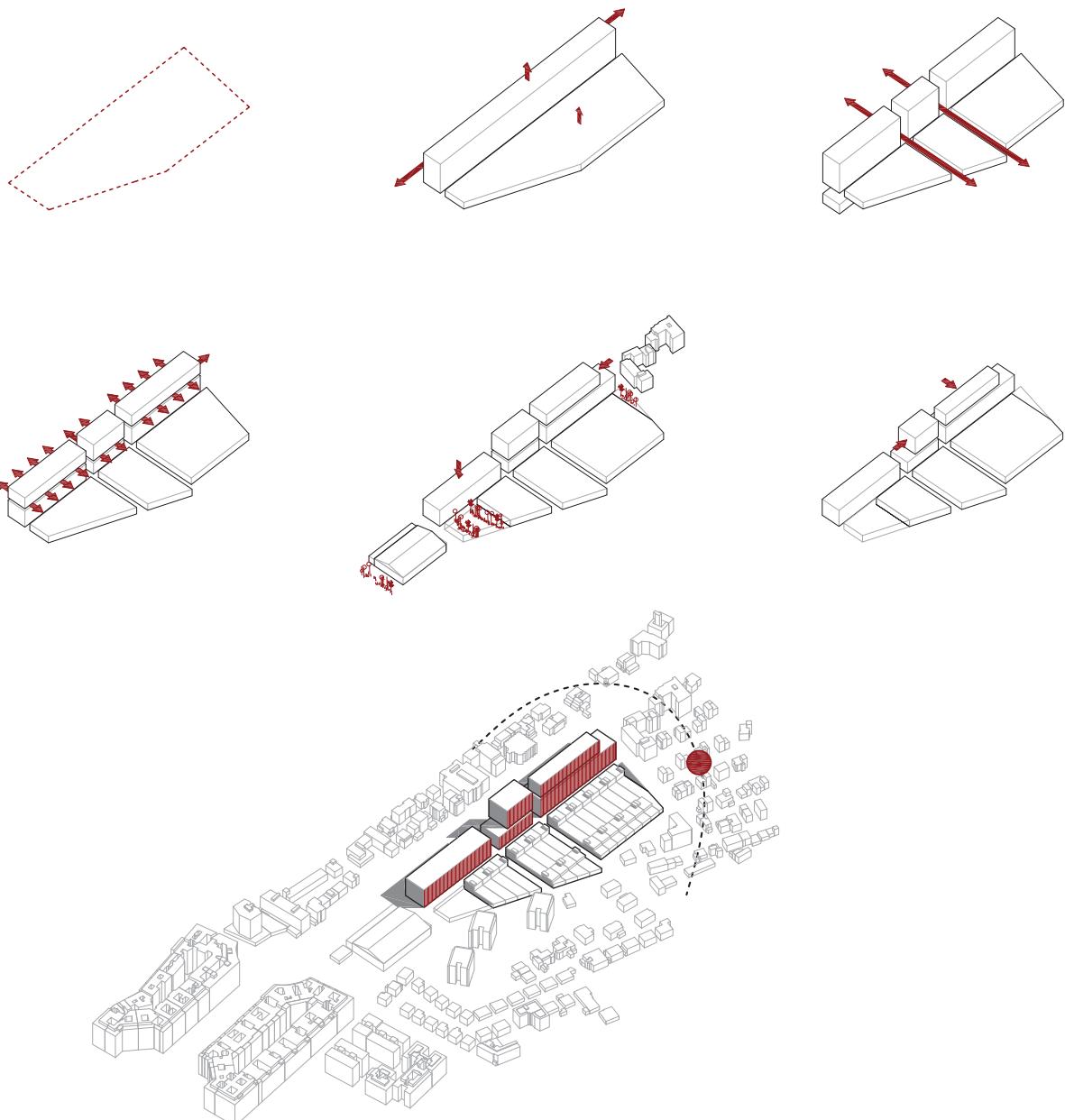






## FINAL DEGREE PROJECT MIXED USE BUILDING

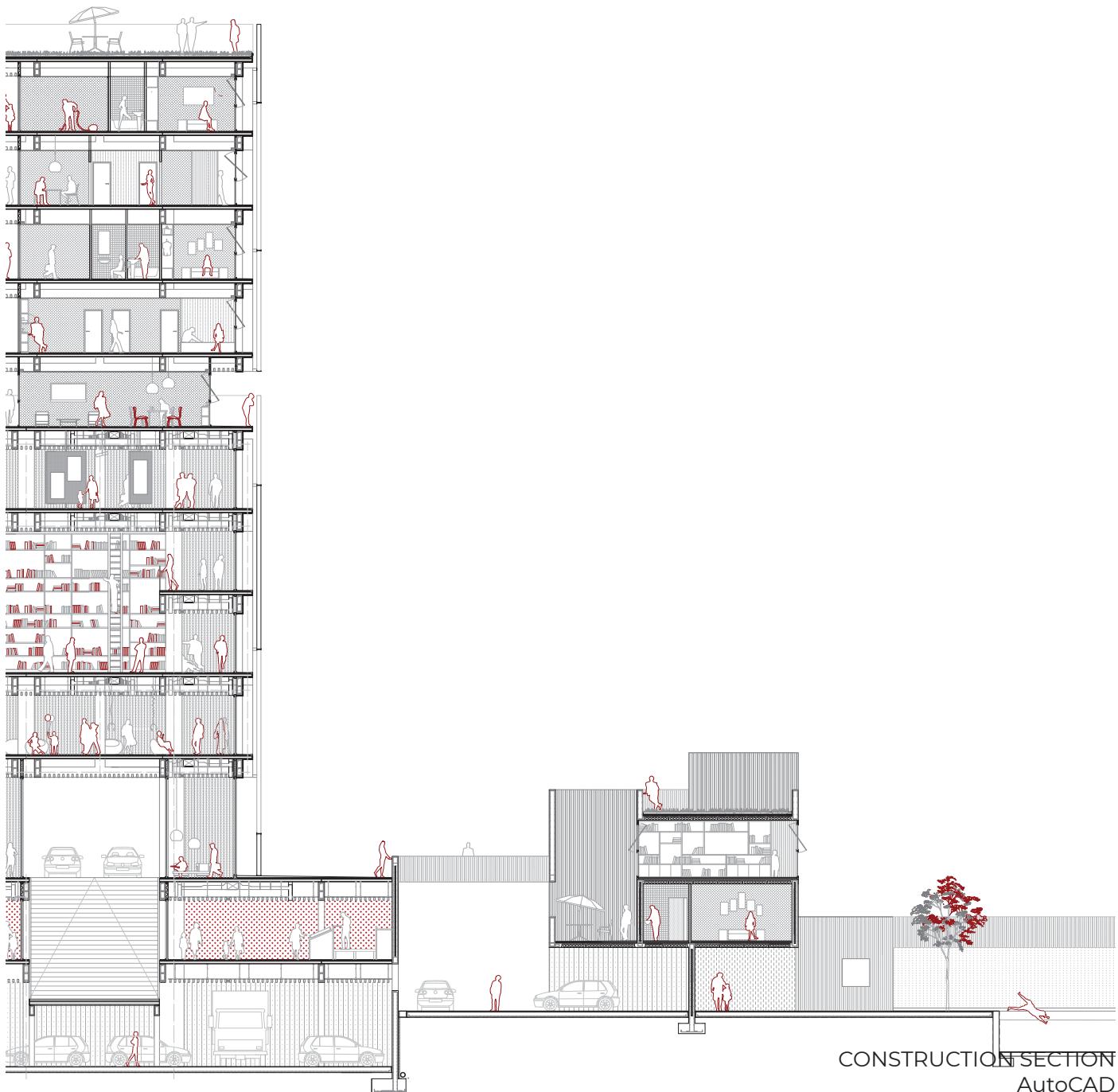
**Year:** 2013 - 2014 **Location:** Madrid **Area:** 85.000 m<sup>2</sup> **Brief:** This project is located in one of the neuralgic access points in the north of Madrid. The main street that the plot faces, is one of the most important connections to the city center and beneath the ground is a metro line. The project takes into consideration all these factors and establish itself as a pragmatic building, serving to the neighborhood with a mixed program; The front facing the avenue is composed of high rise buildings with an hotel, high density housing, a workcenter, a department store, a market, a lot of parking space and an improved metro station. In back side, where there is a developed low density residential area, the project continues this tradition, embracing this fact and promoting this lifestile with big private gardens, pools and common areas as well.



DIAGRAMS  
AutoCAD

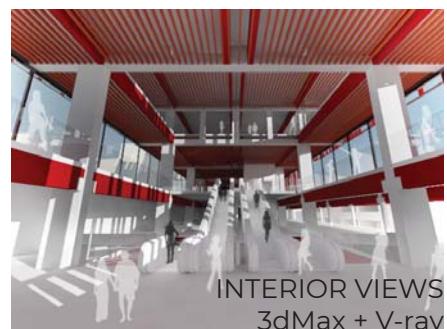
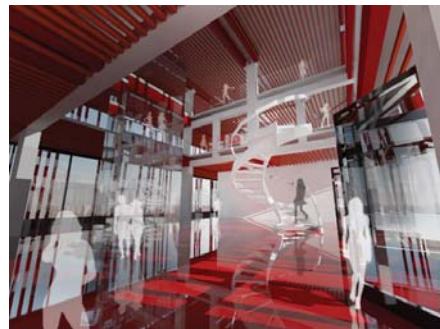
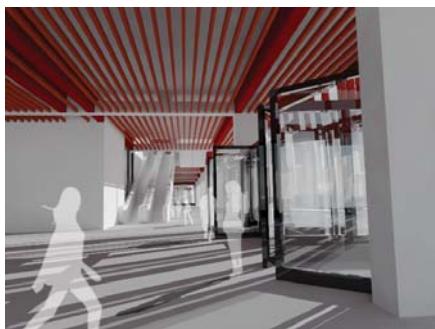
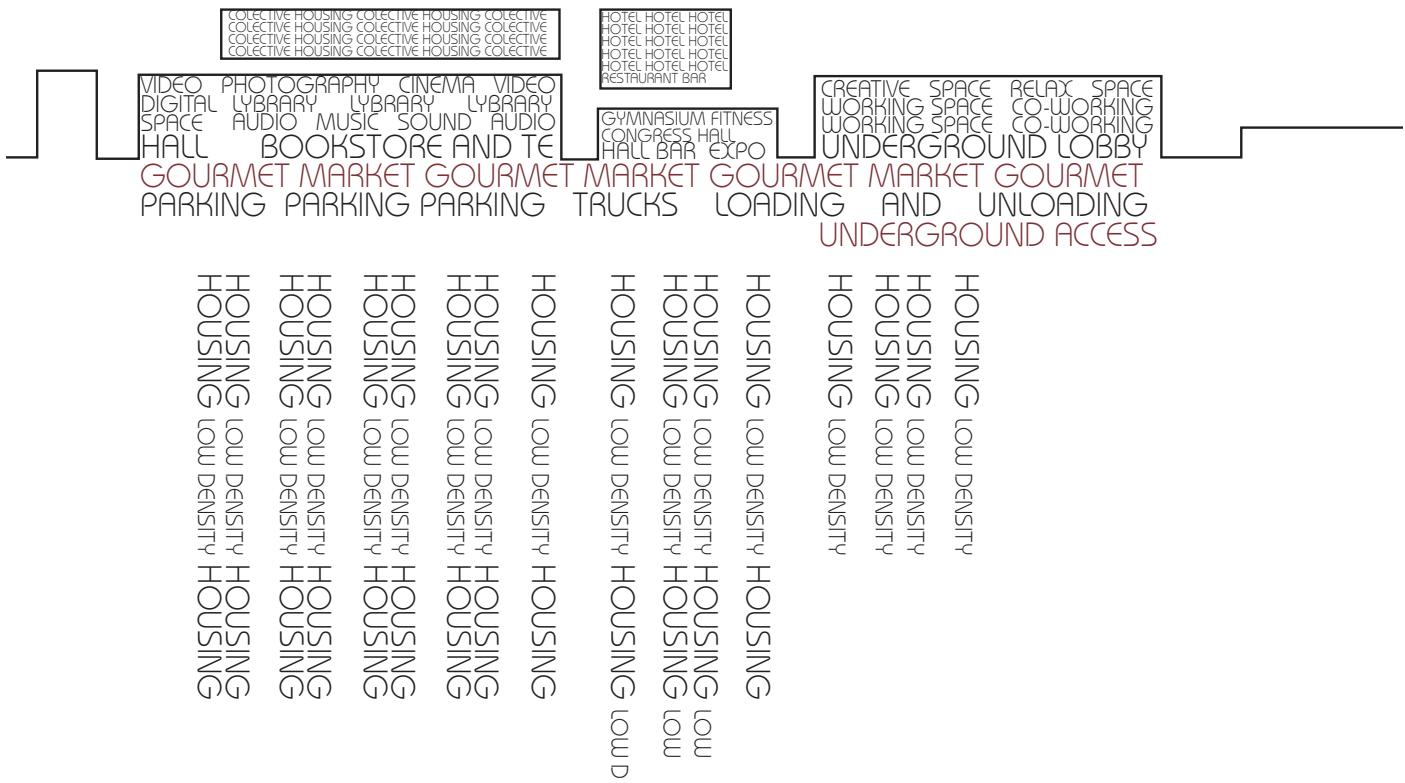


PERSPECTIVE. Lineal multipurpose buildings in close-up view. Access to metro. Surroundings  
SketchUp + Photoshop

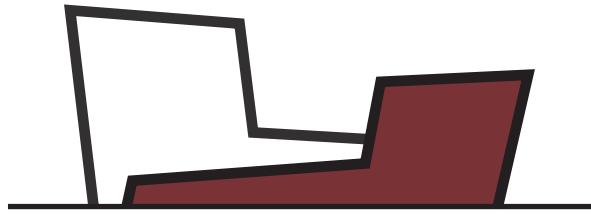




SITE VIEW  
3dMax + V-ray



## INTERIOR VIEWS 3dMax + V-ray

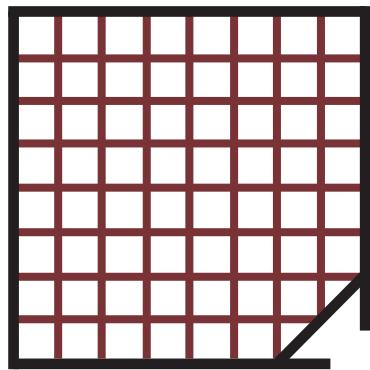


## ZHANGZHOU HOSPITAL

**Year:** 2013 **Location:** Zhangzhou **Area:** 120.000 m<sup>2</sup> **Brief:** Designed according to the general scheme of efficiency and usability of hospitals, outpatient areas are located on the ground and first floors, while hospitalization and other less common usage spaces are located on the upper floors. In front of the hospital, great and inviting gardens are for public use, designed as new public spaces integrated in the urban plan. The façade uses a modular system, providing shadow in places where are required with translucent or opaque panels. This also allows speeding up the construction process while delivers a huge diversity in composition.



GENERAL VIEWS  
Images courtesy of beadés arquitectos



## CHURCH IN BERLIN PARK

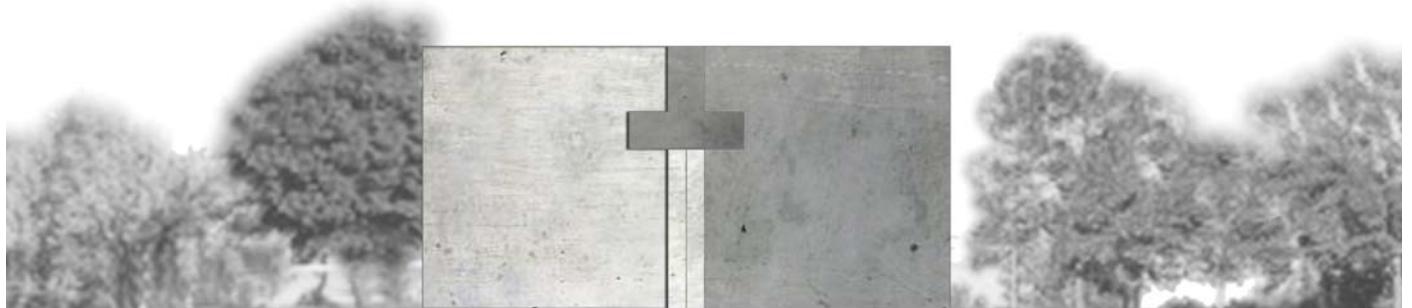
**Year:** 2013 **Location:** Madrid **Area:** 700 m<sup>2</sup> **Brief:** After the falling of the Berlin Wall, her sister city Madrid took three sections of the infamous wall and exhibited them in Madrid, in the Berlin Park in memory of those who suffered that unnecessary separation. In this project, it was compulsory to reference that episode of our recent history. So the church is designed in concrete, with many visible edges a metaphor of the wall. In the interior, the skylights are void, open to the air and with every one of a different height, highlighting their edges. At the same time, a diagonal aisle runs through the entrance to the altar, dividing the parishioners in two wings, symbolizing people equal between them where separated unfairly.



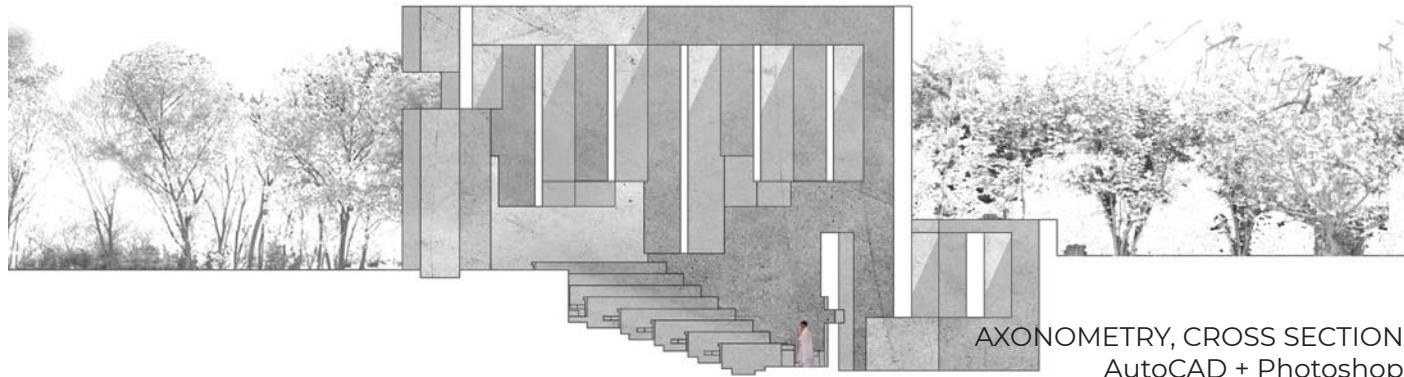
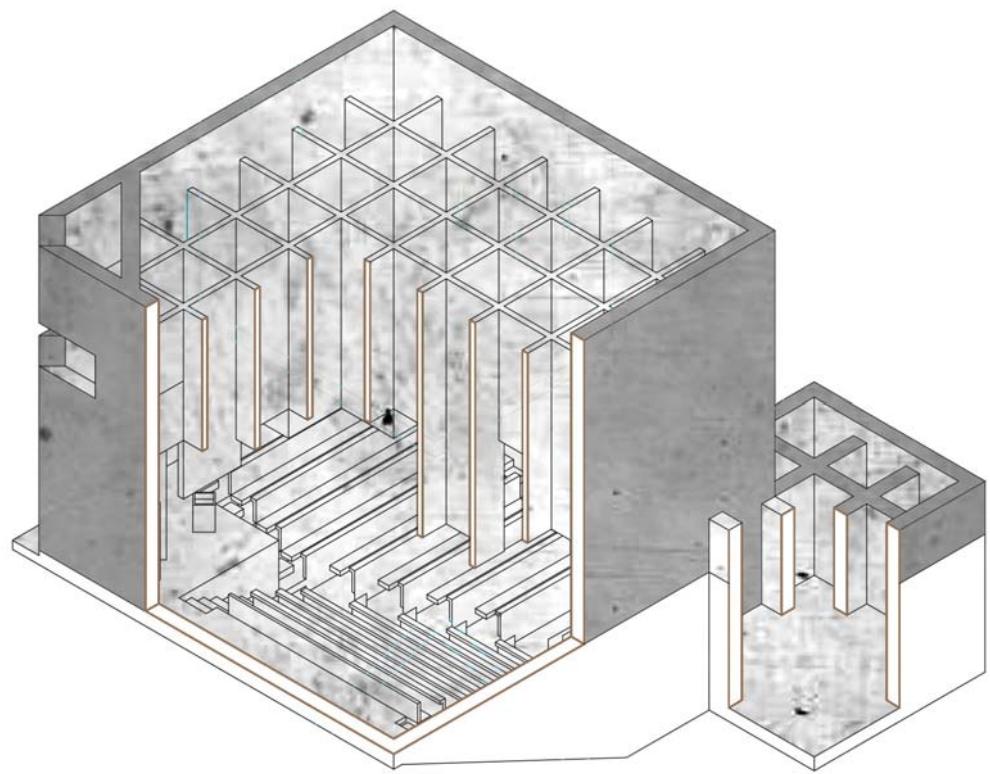
INTERIOR VIEW  
AutoCAD + 3dMax + Photoshop



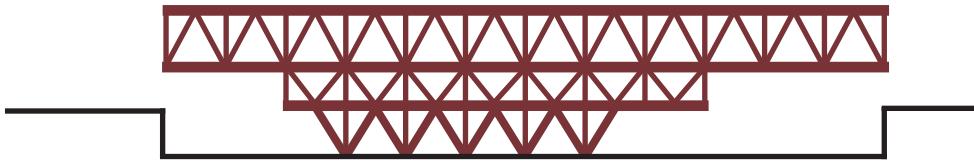
INTERIOR VIEW  
AutoCAD + 3dMax + Photoshop



MAIN ELEVATION  
Access. Symbolic cross

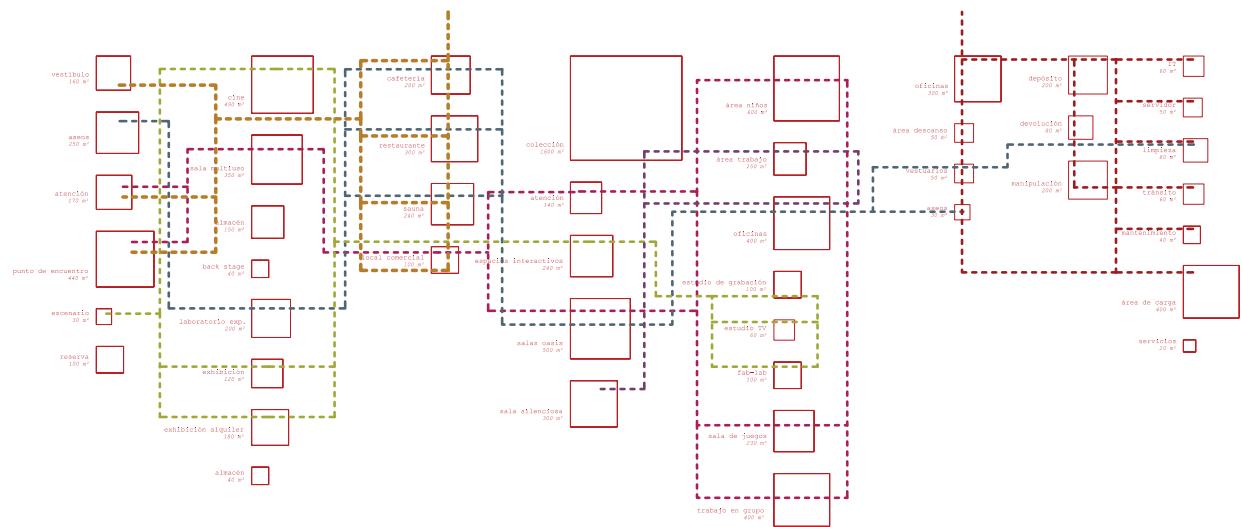


AXONOMETRY, CROSS SECTION  
AutoCAD + Photoshop

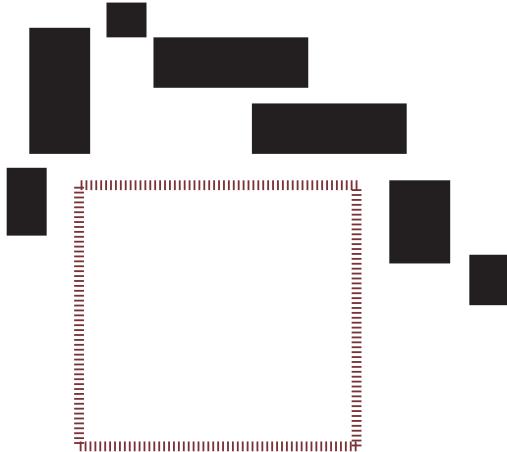


## LIBRARY IN HELSINKI

**Year:** 2013 **Location:** Helsinki **Area:** 9.000 m<sup>2</sup> **Brief:** Located in a quite important area of new developments in Helsinki, this proposal wants to keep the industrial view the area once had and still resembles. Close to Kiasma Museum, Holl´s building achieved that objective so how to distill that essence is the leitmotiv of the project. The library is configured as three stacked boxes, bigger at the top and smaller at the base, challenging gravity with its structure, made of trusses and visible from the outside in order to unveil the industrial heritage. The lower level communicates with a sunken open patio in the East side, a place where visitors can relax and enjoy reading. In the West side the library is connected to the existing tunel, allowing trucks and other services to load and unload. On the two other levels, a diverse program of uses is intertwined; lecture rooms, an auditorium, audiovisual rooms, halls, exposition rooms and such fullfill the program of the building.



EXTERIOR VIEW  
AutoCAD + 3dMax + Photoshop

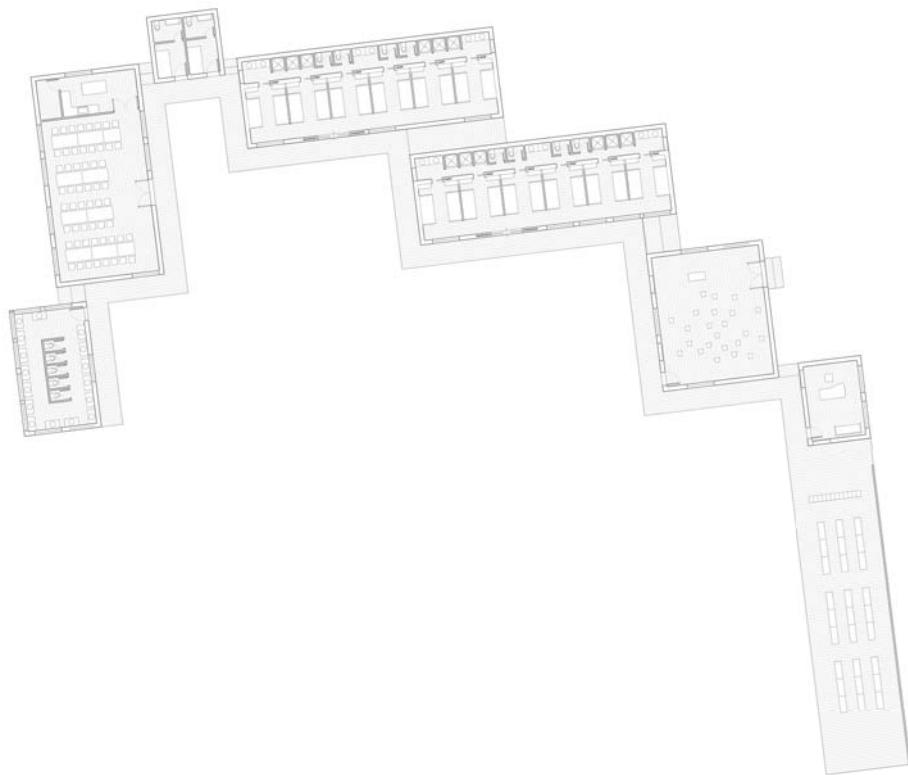


## CAMPSITE ON THE SHORE OF THE ISAR RIVER

**Year:** 2011 **Location:** Munich **Area:** 7.000 m<sup>2</sup> **Brief:** The requirement of an affordable complex that would be used every summer for twenty kids to enjoy a summer camp was the start point for the research and the project. In order to accomplish it, it was necessary to look for local materials and resources in order to keep the costs down and to integrate the youth camp into the surroundings. Resembling of a group of mountain dwellings in the near forests, this little complex is elevated off the ground by wooden pillars and a platform, where the rest of the buildings emerge, bedrooms, bathrro a library, a multi-function room, a kitchen, etc. At the same time, this group of shelters creates an open patio to host group activities.



INTERIOR VIEWS. Classroom. Dining room. Classrom. Multipurpose room  
Revit + Photoshop





EXTERIOR VIEW AND PLAN. Ground floor  
Revit + Photoshop

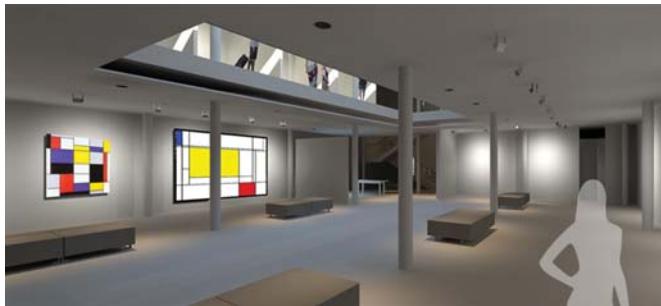


## ART GALLERY IN MUNICH

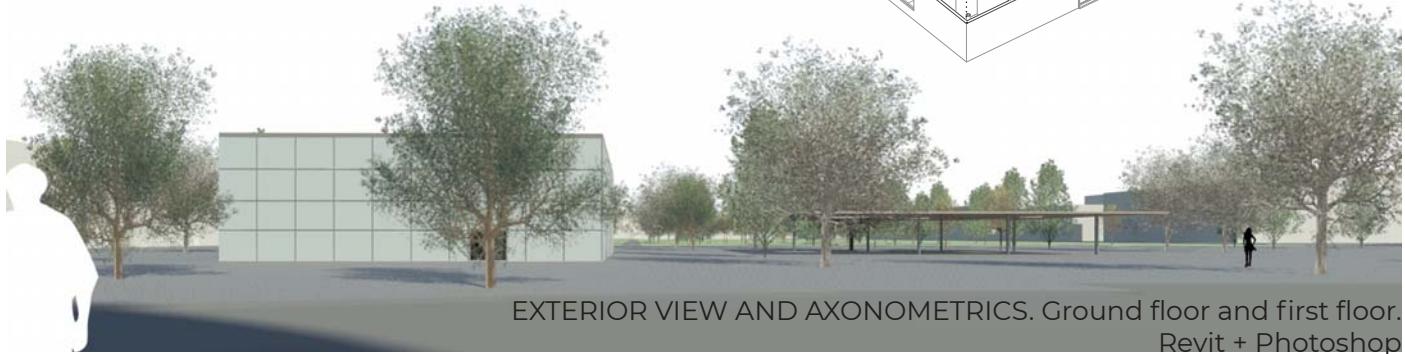
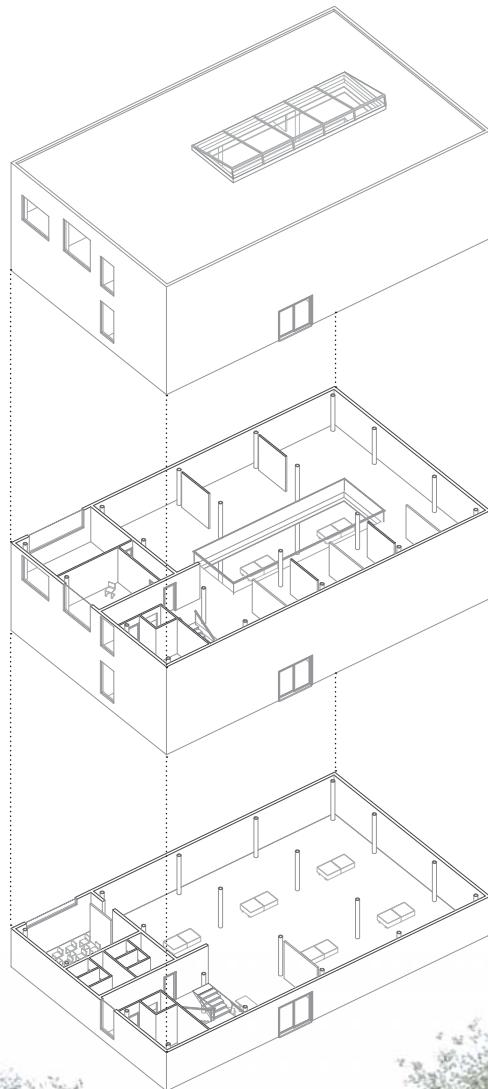
**Year:** 2011 **Location:** Munich **Area:** 3.000 m<sup>2</sup> **Brief:** The gallery creates a new cultural hub in the center of the city. Traditionally, Munich has been a city quite interested in cultural and artistic issues and the rising number of artist in the recent years had kept pushing the demand of centers dedicated to these affairs. The simplicity of the volume of the new gallery and the use of a unique module to build it are themes inspired by the German historical architects like Gropius or Mies.



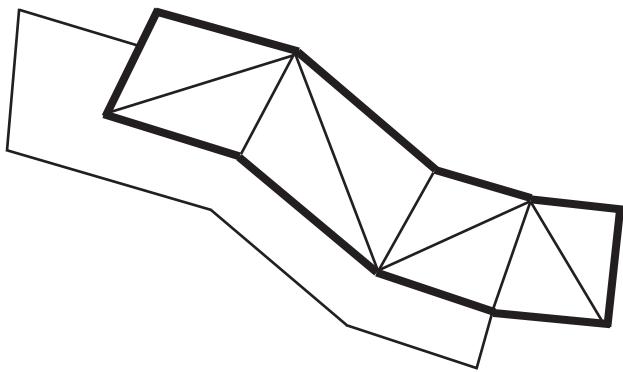
INTERIOR VIEW. First floor



INTERIOR VIEW. Ground floor

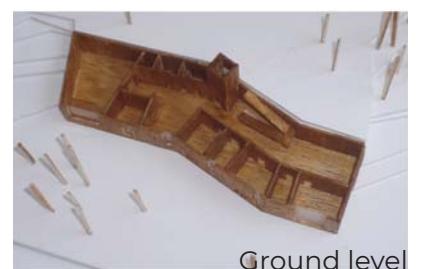
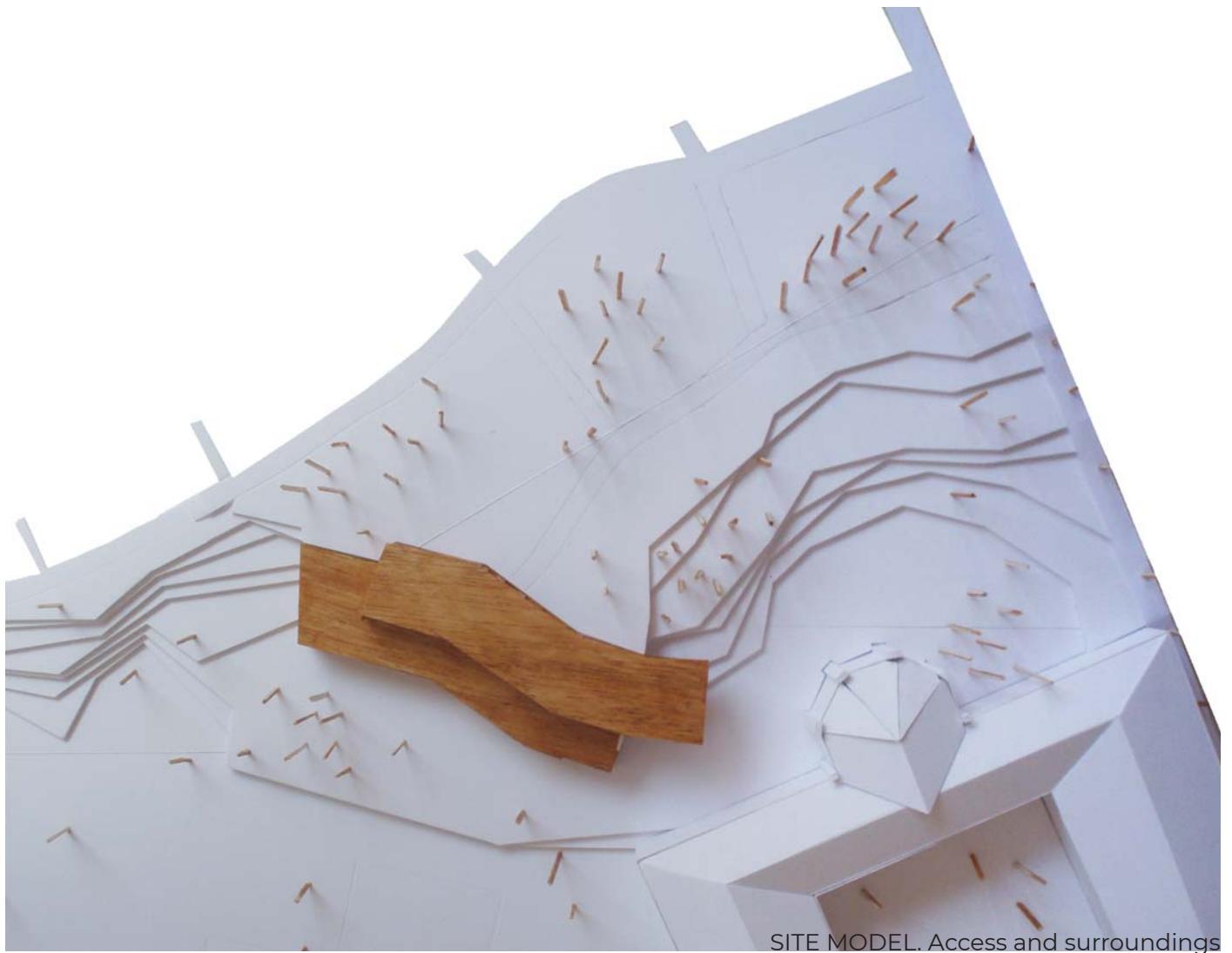


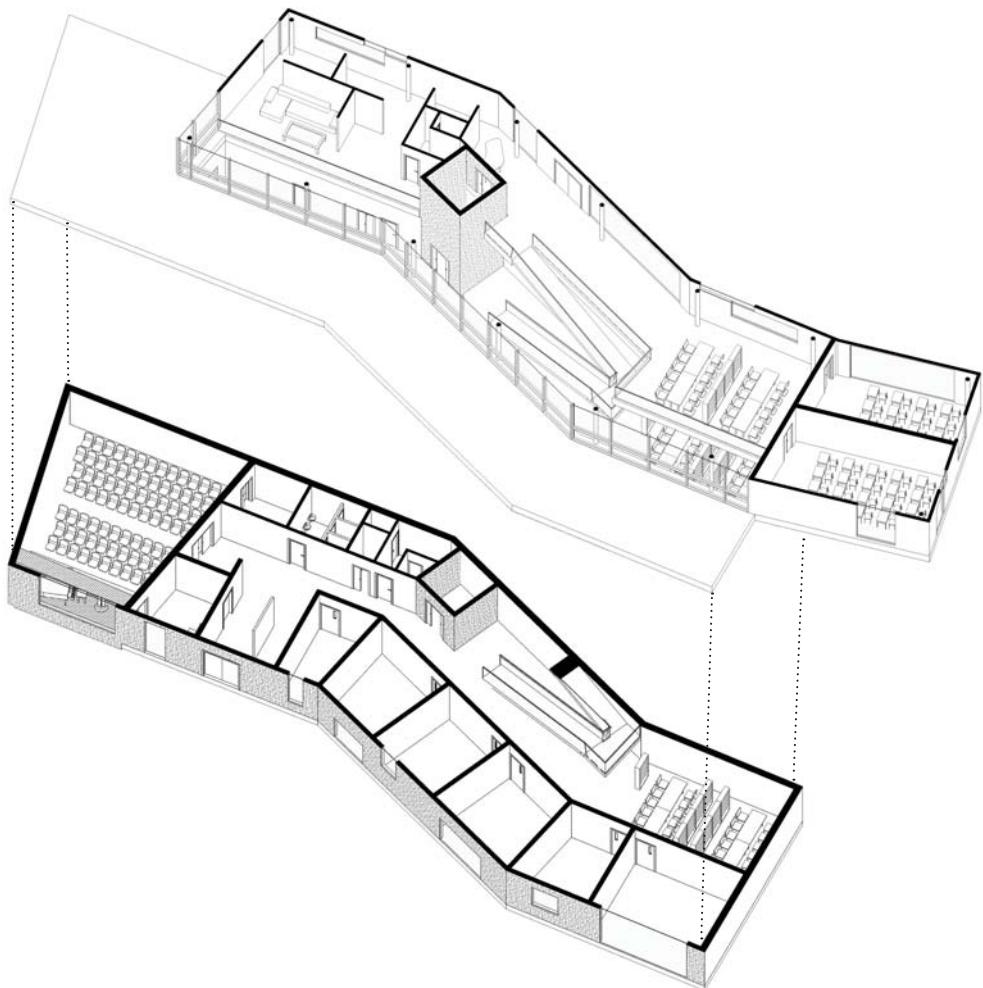
EXTERIOR VIEW AND AXONOMETRICS. Ground floor and first floor.  
Revit + Photoshop



## MUSIC SCHOOL IN LA REINA PARK

**Year:** 2010 **Location:** Madrid **Area:** 3.500 m<sup>2</sup> **Brief:** Located inside a urban park that lacks of use and urban equipment, this new facility is designed to bring back the life once it has. The big difference in level between the park entrance and the lower level of the park is used as a stage; a series of platforms connects these two levels and creates a scenario and a point where the music school can be inserted into the landscape. The contours of the music school are delimited by following the level curves so the the first level is the access from the upper level of the park and meanwhile the lower one connects it to the stage.





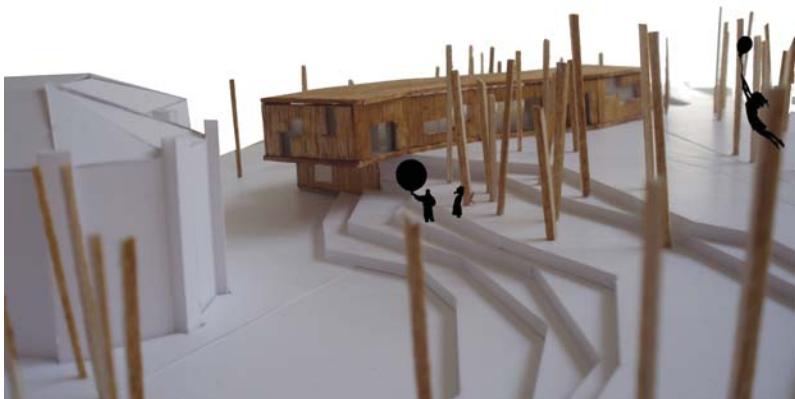
AXONOMETRIC. Ground floor and first floor  
Revit



EXTERIOR VIEW. Lower facade and surroundings



EXTERIOR VIEW. Access square



EXTERIOR VIEW. Access and surroundings