



PORTFOLIO

ANDREA OTTAVIANI

UNIVERSITIES:

- Politecnico di Torino
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STUDENT MATRICULA:

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# WORK.A.01



ERASMUS MADRID

Architettura  
costruzione e  
città

2013/2014



## ARTISTICAL INNOVATION CENTRE IN PORTO.

The project was about designing an artistic innovation centre in which each year 24 students (4 for each field of art) will live, study, and create art.

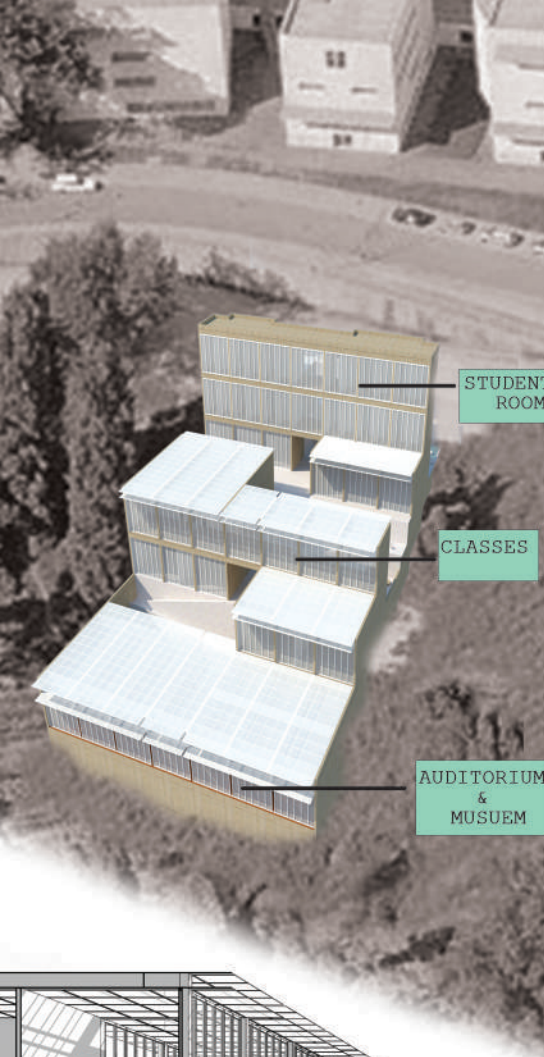
The chosen fields were: architecture, painting, sculpture, music, new digital arts and literature.

The course was organised in four periods:

during the first one the aim was to find the General project idea and the most appropriate shape for the building. The second and the third one were about the students residences and the classrooms, while the fourth was dedicated to the design of the auditorium and museum zone.

The project idea was to create a system of linked empty spaces that could be used to generate an artistic tour through the building leading to the museum. The building was characteristic because of its roof technology: a double skin roof made of translucent glass that protect from direct sun but still let the natural light pass through. The double skin roof also allowed to hide lighting, cooling and heating plants, generating empty and neutral spaces full of natural light.

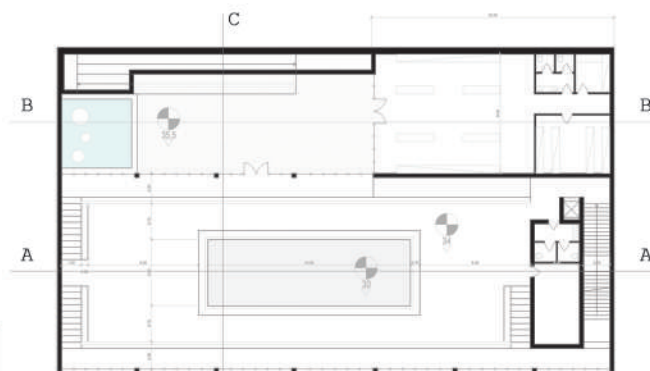
PROJECT SITE:  
PORTO, PORTUGAL



STUDENT'S  
ROOMS

CLASSES

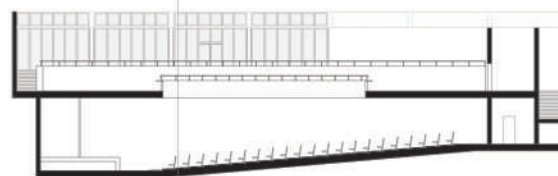
AUDITORIUM  
&  
MUSEUM



GROUND FLOOR: MUSEUM ZONE



FLOOR -1: AUDITORIUM



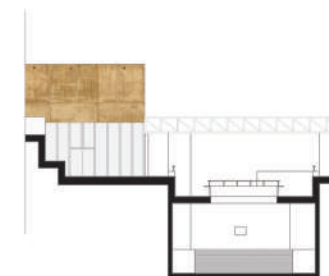
SECTION A-A



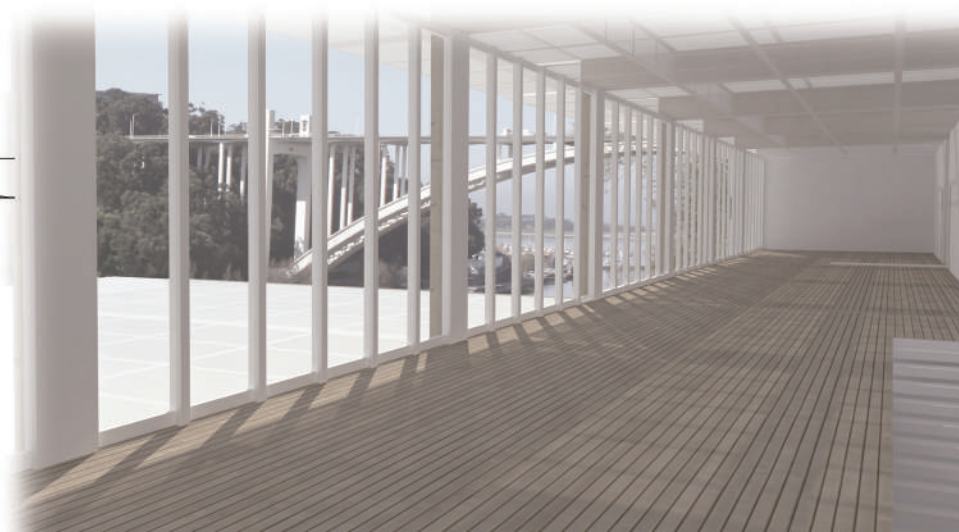
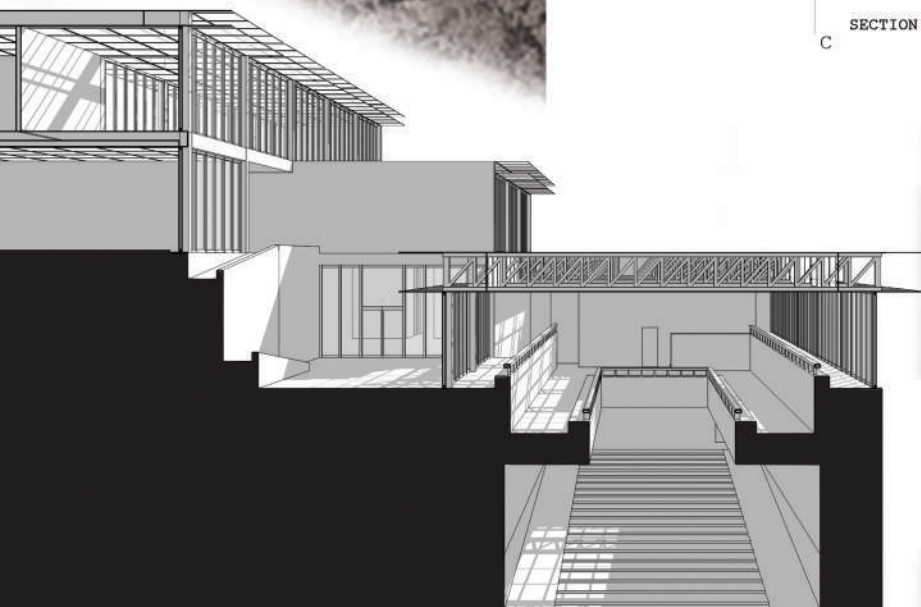
SECTION B-B



SOUTH VIEW



SECTION C-C





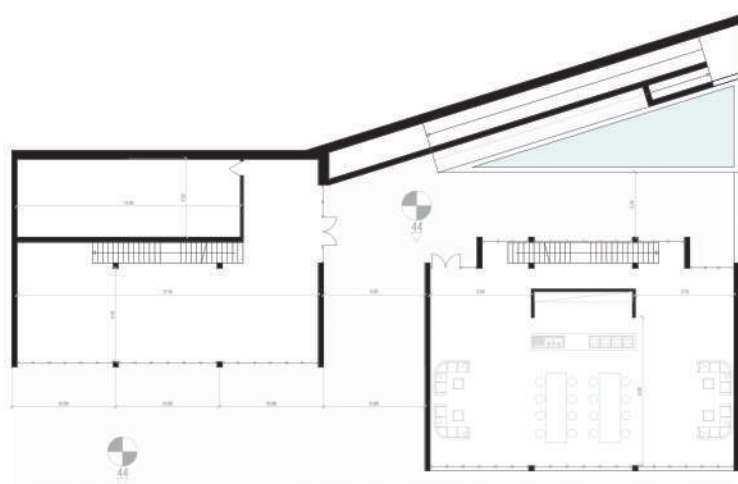
# WORK.A.02



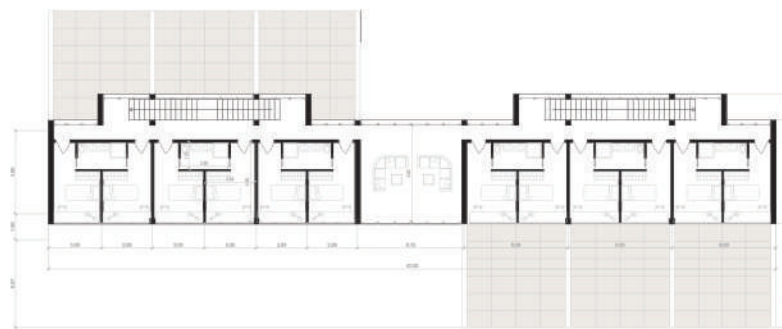
ERASMUS MADRID

Architettura  
costruzione e  
città

2013/2014



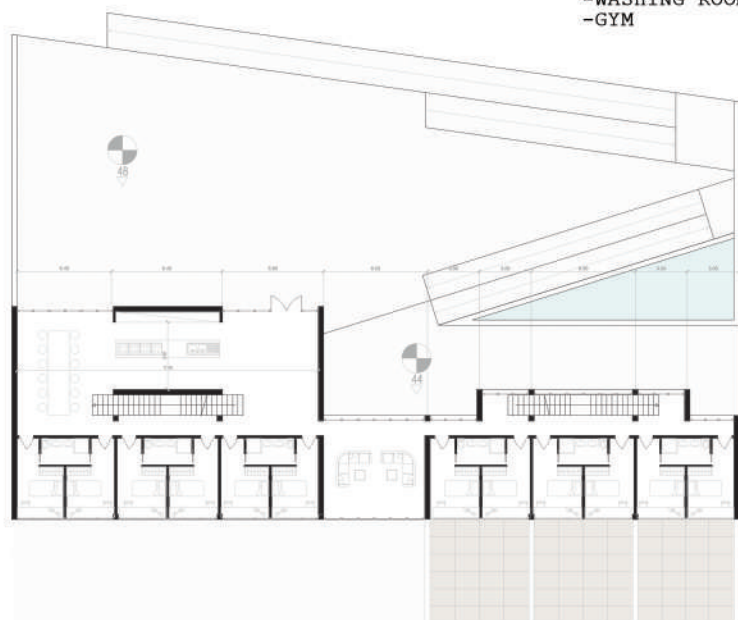
GROUND FLOOR: -KITCHEN  
-WASHING ROOM  
-GYM



SECOND FLOOR: -ROOMS



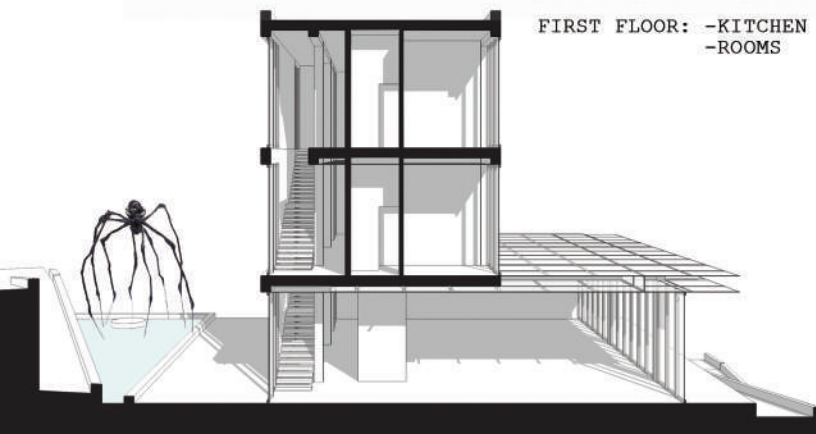
TRASVERSAL SECTION



FIRST FLOOR: -KITCHEN  
-ROOMS



SOUTH VIEW



## ARTISTICAL INNOVATION CENTRE IN PORTO.

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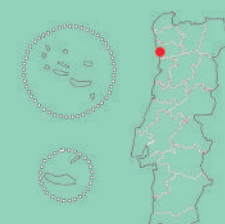
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PROJECT SITE:  
PORTO, PORTUGAL





# WORK.B.01



LAUREA MAGISTRALE

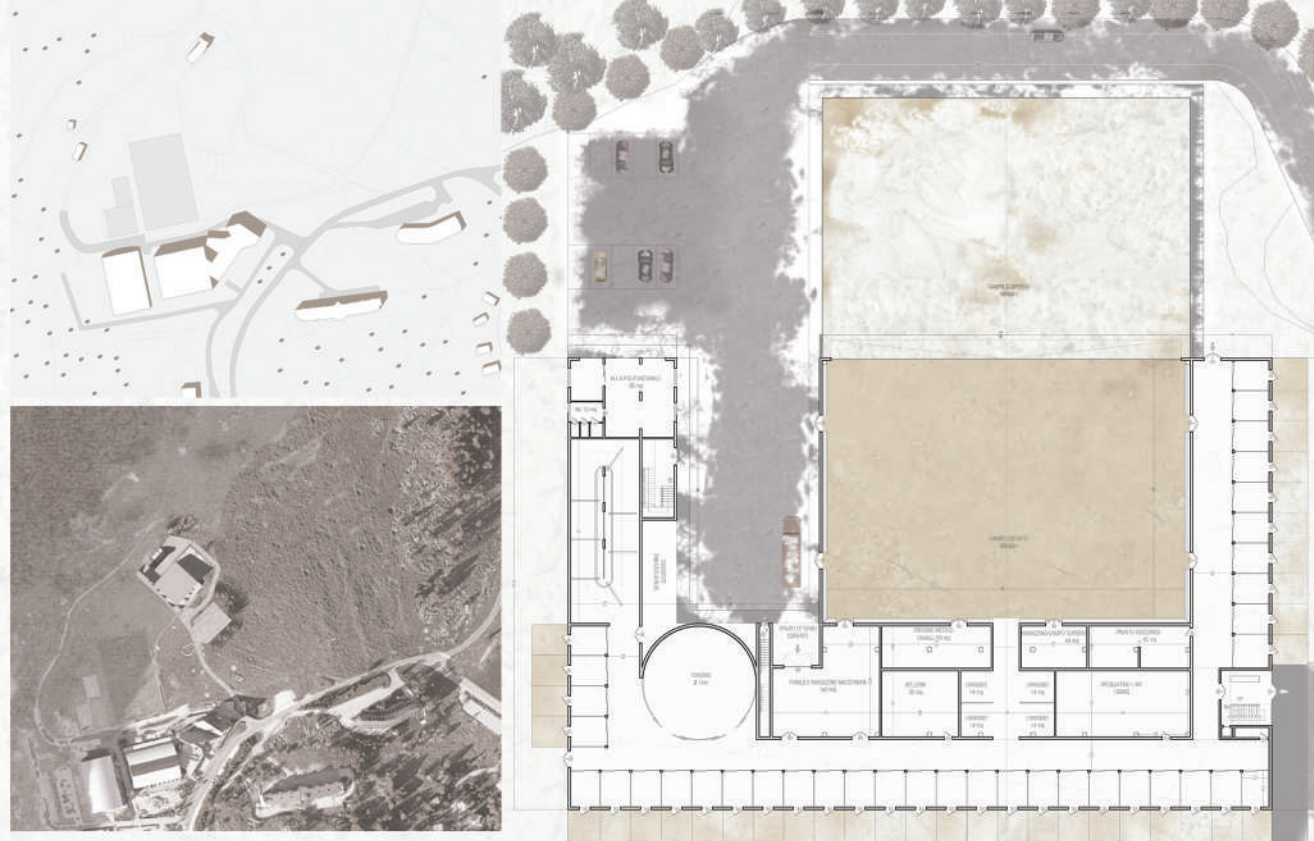
Architettura  
costruzione e città  
2013/2014



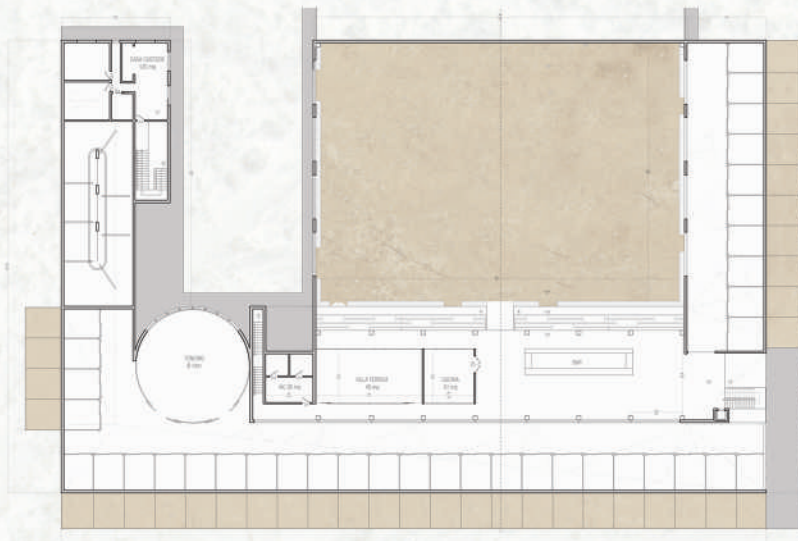
## PROJECT OF A RIDING STABLE AND A RIDING SCHOOL

The aim of the course was to design a riding stable and a riding school in Piancavallo (PN), Italy, which is a very little city on the Italian Alps. The city is famous for its ski slopes and for its wonderful natural context. The project site was just at the foot of the mountain and one of the ski slopes ends next to it. The manege and the riding school have to be used also during winter, so one of the requests was to have a covered 30x40 riding field. The design course was linked to a structure one, so that we had to design a steel structure which we could also study and dimension. Another request was to have a 60x40 open air field that could be used in summer time but, as the site project was small and as we wanted all the pieces to be joint in a big one, we decided to join the two fields and cover half of the resulting area. The rest of the pieces were then placed all around this big one, the tallest one.

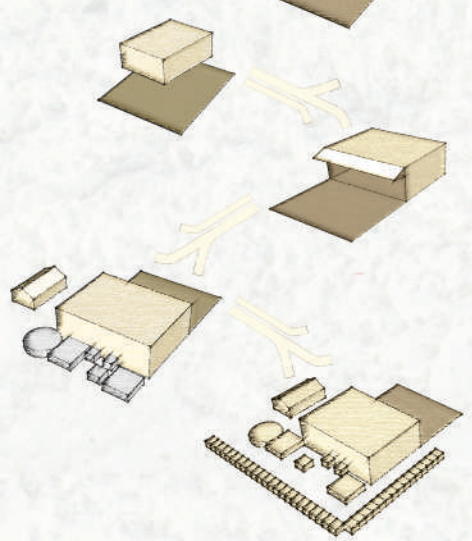
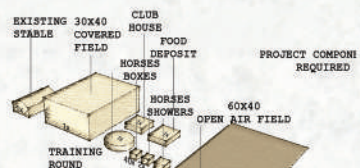
PROJECT SITE:  
PIANCAVALLO (PN) ITALY



GROUND FLOOR



FIRST FLOOR







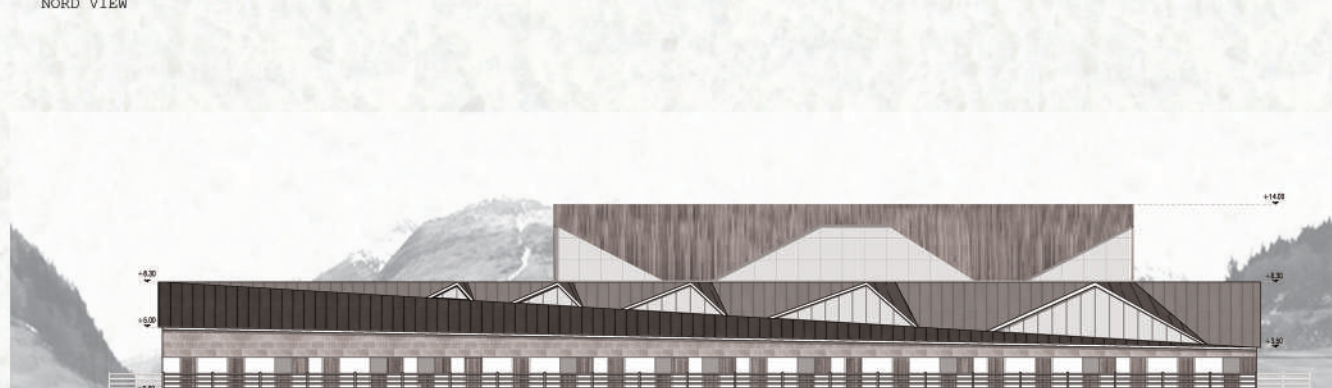
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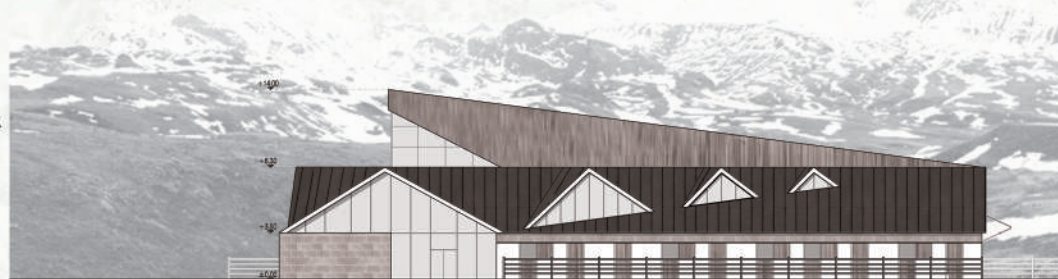
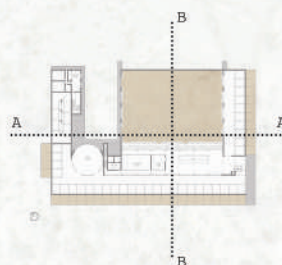
PROJECT SITE:  
PIANCAVALLO (PN) ITALY



NORD VIEW



SOUTH VIEW

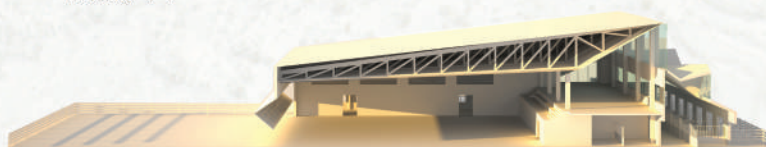


EST VIEW

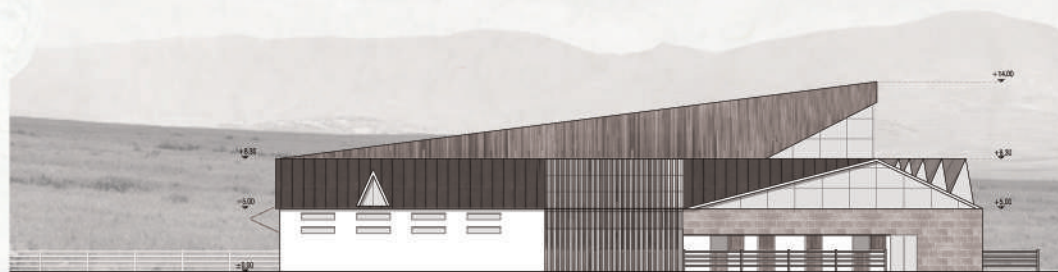
INTERIOR VIEWS



SECTION A-A



SECTION B-B



OVEST VIEW

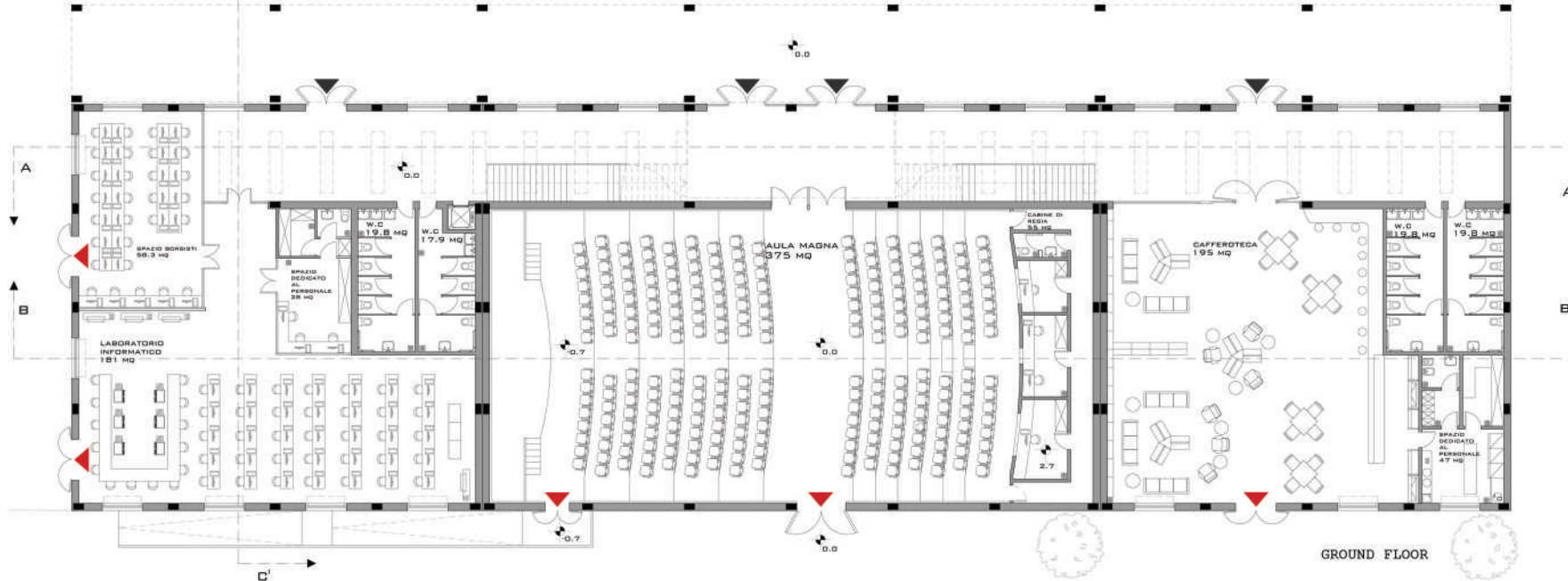


# WORK.C.01



LAUREA TRIENNALE

Interfacoltà di  
Architettura  
2012/2013



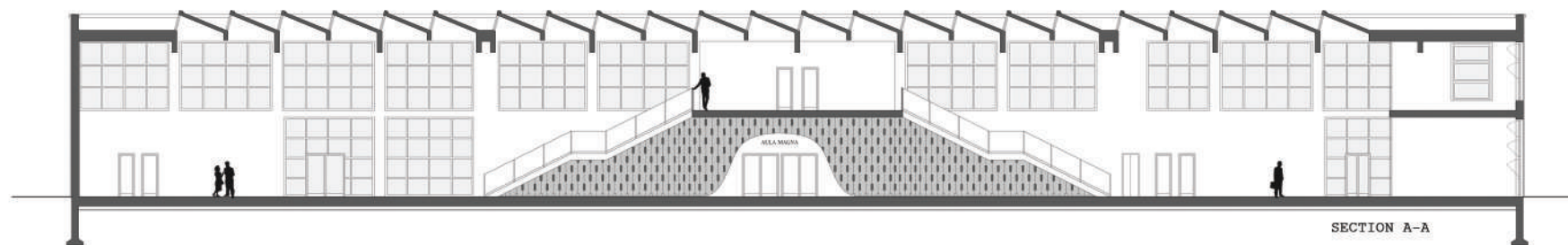
GROUND FLOOR



FRONT VIEW



BACK VIEW



SECTION A-A

## PROJECT OF AN ECOBUILDING IN TORINO'S ARCHITECTURE CAMPUS

The site of the project was in a very peculiar zone of the city: the architecture campus of Torino. This place was previously used as a factory for the Italian railway company and now most of the existing buildings have been restored and converted into a University Campus, but the area lacks in laboratories, study rooms and does not have a convention room.

Therefore the aim of the course was to design a building in which locate all the things the campus lacks in. One of the requests was to design an ecological building, for this reason the project was thought to be built mostly in wood; the x-lam was the best choice as this cross-laminated timber panels can resist structural compression and allow the light to go in, without being heavy.

Another strategy to make of that building an ecological one was to study the solar light. The entrance hall (visible in the section) was thought to work as a winter garden, warming up all the rest of the building during the cold season and allowing the hot air of summer to escape from the windows at the top.

PROJECT SITE:  
TORINO (TO) ITALY







## BUILDING IN A BUILT SPACES

The courses in which we developed this project was divided in two parts: the first consists on designing an urban scale masterplan on a particular area of Torino, the second consists on regenerate and improve one of the building of this area.

The project area was very particular due to the fact that when you enter it, you don't feel as you are in a big city, the buildings are very small, the streets are little and most of the houses have his garden or his court, on the ground floor they use to have little shop or laboratory. The design idea was to create a completely carfree area in wich people can move using passages that linked all the courts, so that the ground floor of the entire zone would be commercial and would offer people a lot of places in which they can socialize, and escape from the noise of the city.

The building which we have to regenerate was one of the tallest of the street and it was on its corner and next to the entrance of one of the passages designed on the masterplan. The design idea was to cover the entire building with a new isolating skin and in some point covered by corten metal panels. The buildings was then elevated and on the upper floors were designed residences.

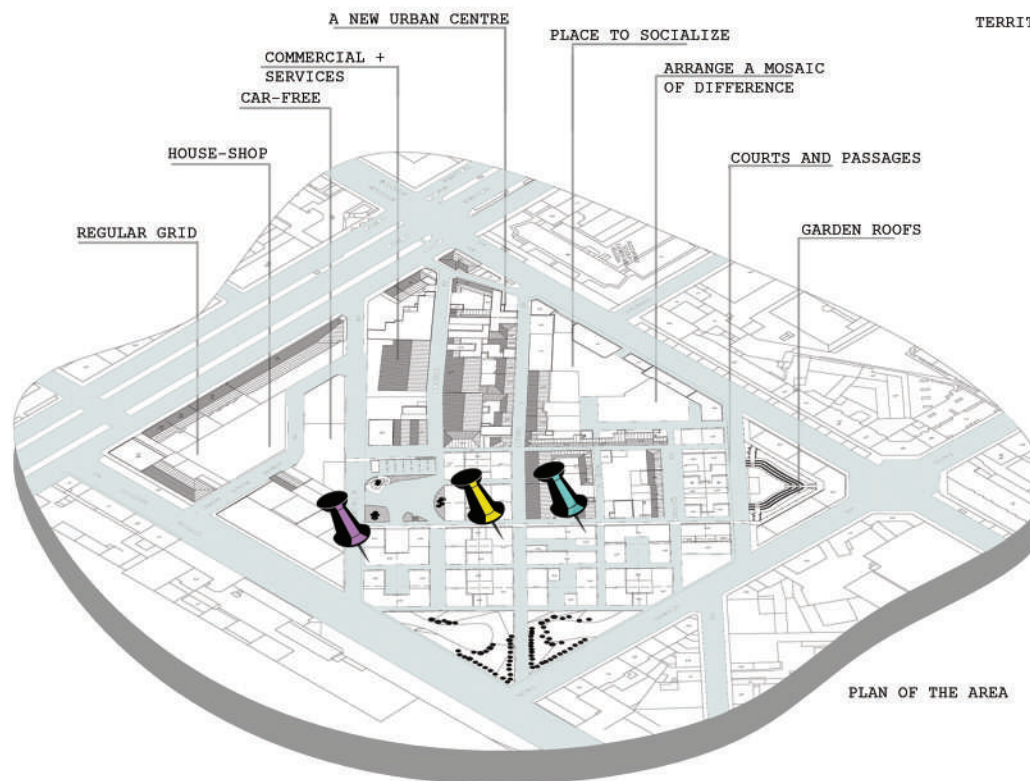
PROJECT SITE:  
TORINO (TO) ITALY



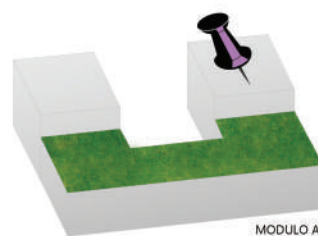
PART OF THE PLAN



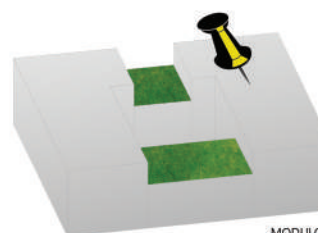
TERRITORIAL SECTION



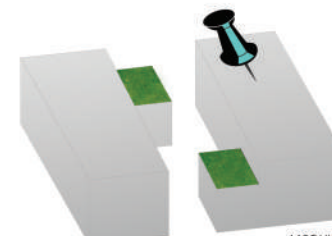
PLAN OF THE AREA



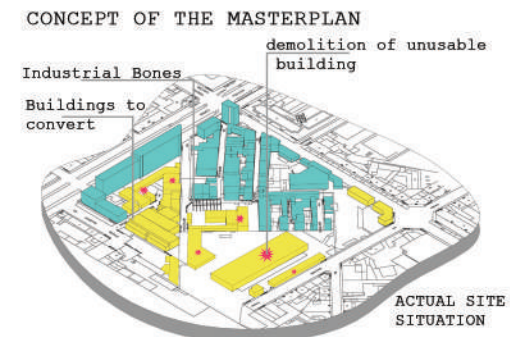
MODULO A



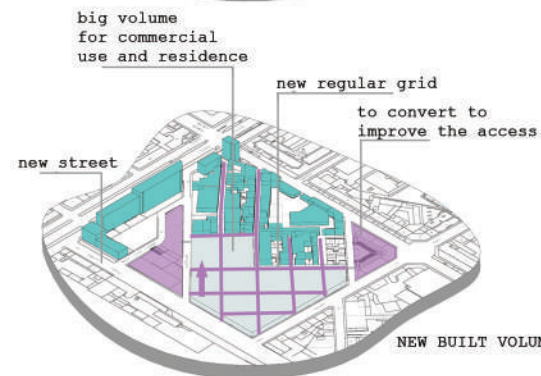
MODULO B



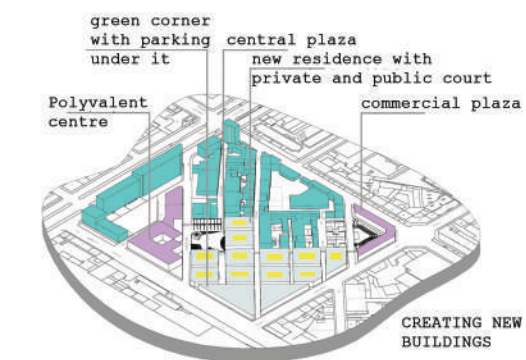
MODULO C



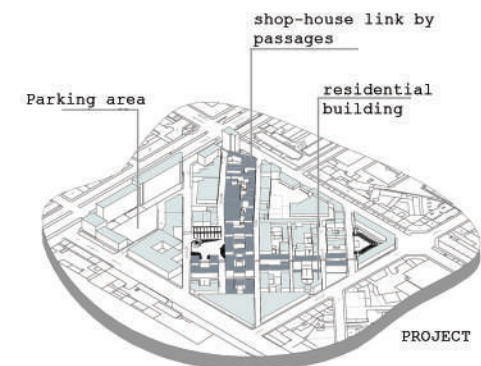
ACTUAL SITE SITUATION



NEW BUILT VOLUME

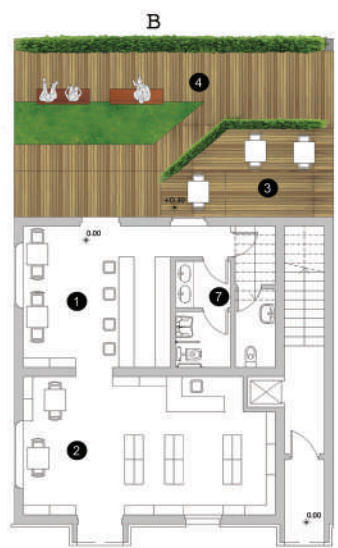


CREATING NEW BUILDINGS

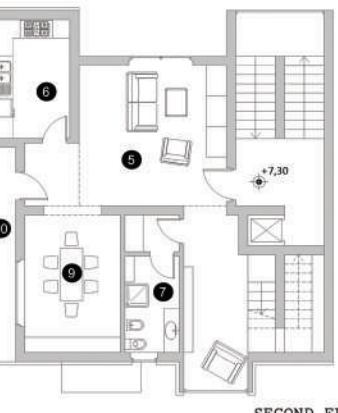


PROJECT





A



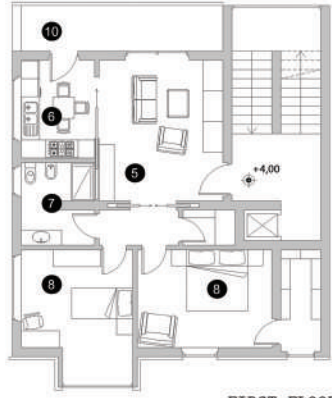
GROUND FLOOR



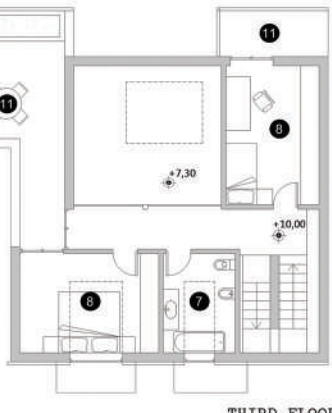
EXTERIOR VIEWS

REQUALIFICATION OF A RESIDENCE IN CANDELO STREET N16

- 1 Café    5 Living    9 Eating
- 2 Library    6 Kitchen    10 Balcomy
- 3 Dehor    7 Bath    11 Terrace
- 4 Passage    8 Room



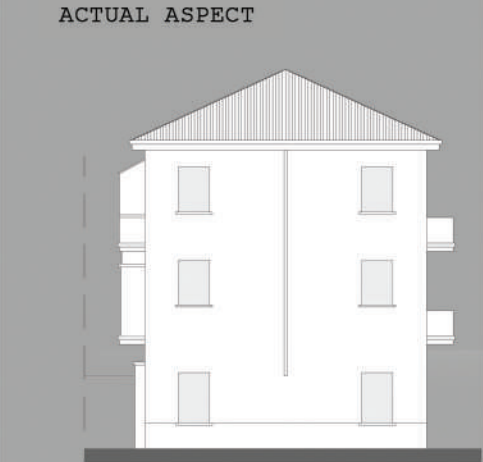
FIRST FLOOR



SECOND FLOOR



EXTERIOR VIEWS



VIEW A



VIEW B



VIEW C



VIEW A



VIEW B



VIEW C

WORK.D.02



LAUREA TRIENNALE  
Interfacoltà di  
Architettura  
2011/2012



BUILDING IN A BUILT SPACE

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PROJECT SITE:  
TORINO (TO) ITALY

