

POLITECNICO DI TORINO
FIRST SCHOOL OF ARCHITECTURE
Master of Science in Architecture (Construction)
Honors theses

Social housing in the intervention of the river municipality of Settimo Torinese

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The work sees the geography of the place into architectural facts. In particular, is based on the hypothesis that sees the centrality of the river in the construction of the city of Turin. The course of the rivers and their branches are seen as key elements in the design. Geometry "historic" characterized by the predominance of straight lines are combined to form sinuous river. The river terraces, meanders, islands, levees become part of urban design.

The AIM is a project linked to the territory and the incorporation of its features. The characters are recognizable through a survey of the territory which is the basis of the interpretation of the nature of the site and it is what determines the quality of all the design work. The resulting architecture is consolidation and interpretation of the place. The survey material is transformed in the creation of local papers shows that bring the fluvial origin of the area, addressing different issues.

My job is started from the green card in which the zones are highlighted based on the type of vegetation, the theme highlights the presence of two bands located within the park bounded by water, one of the highlights RULES possible rules common to the theme of the settlement statement from the thematic map. The purpose of this paper is to make architectural geography of the place.

The design began by drawing cards and each transaction made on the study has tried to bring out its characteristic island in compliance with the charter of the rules. The operations have revealed the relationship between city and countryside that is between built and natural.

The distinctive architectural element of the project is being built on a TRUSS plot 3.6 x 3.6 m, and is the common thread throughout the design. The method of design is the New computerized WindsGrid (<http://frigo.polito.it:8080/grid>) developed by Professor Giancarlo Motta in which discusses the various aspects of the relationship between architecture and location addressed through references. For example, the distribution was made on the internal organization of the ship that is seen as a micro city.

Described the project at the regional level, the first step was to overlay the entire area 3.6 x 3.6 m. su the plot which they were drawn, and the axes of the main roads were highlighted jump altitude. Were later incorporated elements of the truss that is, the stair wells, the plants and the structure, following certain rules related to the form 3.60 x 3, 60m.

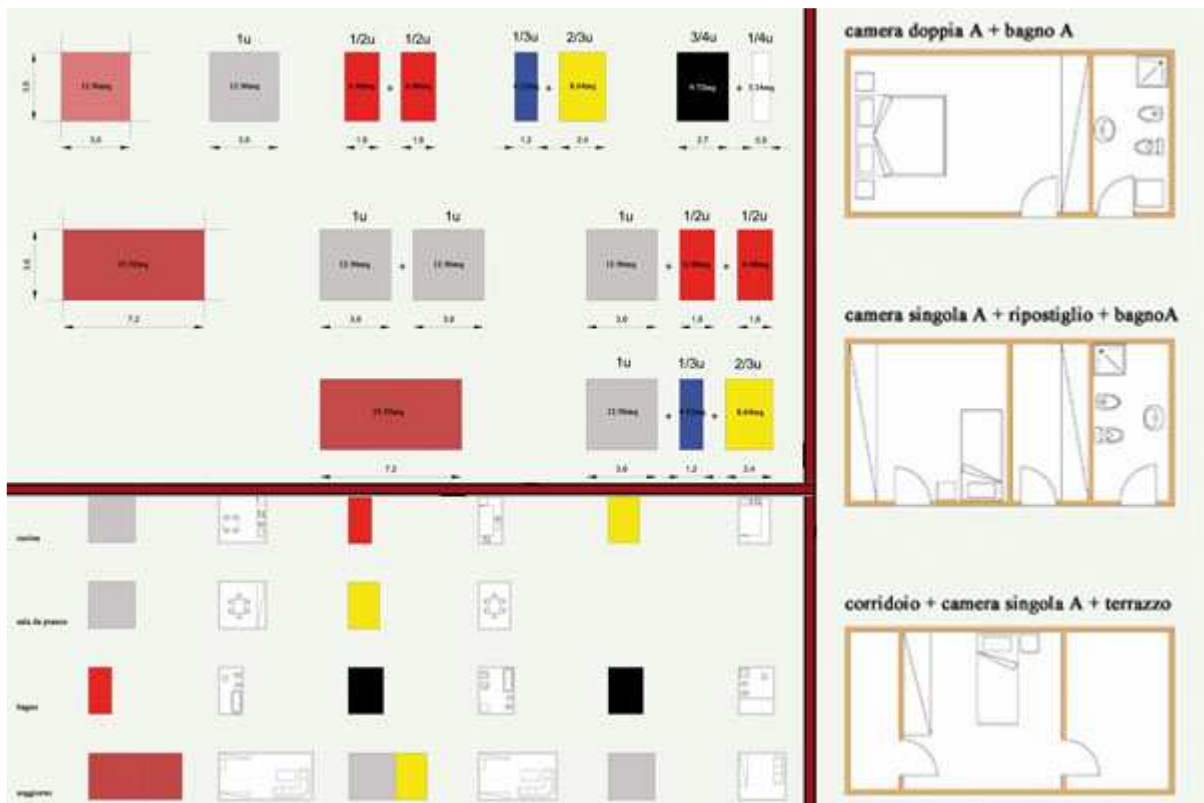
Have been traced back roads, foot paths and access to residential drive ways, always with reference to the starting grid.



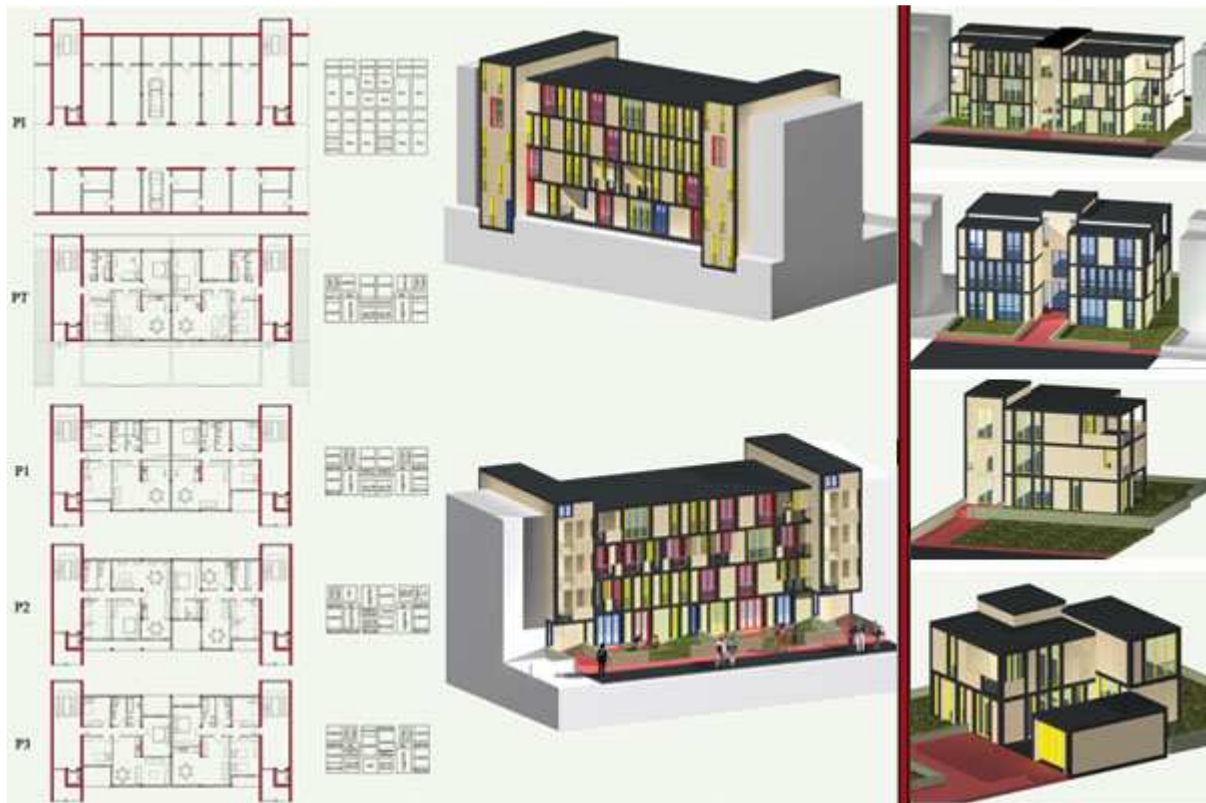
The draft of the paper path design rules and patterns of the island

From here started the study of the residences that are developed by incorporating the points of the lattice. Prospects for the goal was to abstract as much as possible the structure by reference to a composition of the painter Mondrian. The front of the buildings were divided according to the logic module.

The structure is characterized by the modularity of the residences, as it is the result of the study MODULE 3.60x3, 60m. The study of the module have been derived the various rooms of the residences which have been associated in different ways to give rise to different CELLS. The second feature is the MODULARITY ': holding fast to the mast cells are associated with the initial interchangeably to give rise to different floor plans with internal distribution, this is to go against buyers who can choose which types of compartment respond to their needs time of purchase. The last feature is the flexibility that is the ability to assemble and divide the housing based on needs that may arise over time.



The study of module and the cell



Example of internal development of a residential block and axonometric of some building types

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