

COOKING SCHOOL IN ANCIENT SLAUGHTERHOUSE

Sol89

Medina Sidonia, Spain



THE ENVIRONMENT

Medina Sidonia is a monumental historic town on hills in Cadiz, Spain. Its houses are known for the whitewashed walls and the ceramic roofs. If we observe Medina from a distance, it seems a unique ceramic work molded by the topography. The project involves adapting an ancient slaughterhouse, built in the XIX century, into a Professional Cooking School; acting in the historic city has something of adapting, taking shelter, settling in this kind of spaces.



THE SLAUGHTERHOUSE

The slaughterhouse was composed by a small construction around a courtyard and a high white wall that limits the plot. The empty space inside the plot was used to keep the cattle before being sacrificed. The density of the architecture of the ancient slaughterhouse of Medina Sidonia, where brick walls, stones and old Phoenician columns coexist, contrasts with the empty space inside the plot, limited for the wall.



A CAST OF THE SPACE UNDER MY ROOF

The project proposes to catch this space through a new ceramic roof that limits the new construction and consolidates the original building. This new roof wants to be a reflex of the roofs of historic city. The School uses this idea of the molded ceramic plane to draw its geometry. This roof lends unity to the built complex and interprets the traditional construction of the place: ceramic roofs and whitewashed walls. The new roof covers the didactic program, kitchen and classrooms, while the public program, dining and bar, are situated in the original building around the restored courtyard.



FUNCTION AND LIGHT

It is possible to release the original building of strict functional requirements, while ancillary uses are arranged around it, separating the new uses of the original building through circulation spaces that record the entire ancient perimeter. These circulation spaces are covered by a structure with no support at the end, and the contact between the original building and the new intervention occurs through a slit of light. The new roofs fold their profile to look for the light and some little courtyards are inserted in the kitchen to illuminate it. These courtyards work as ventilation shaft and are cultivated with culinary plants which are used by the students to cook.

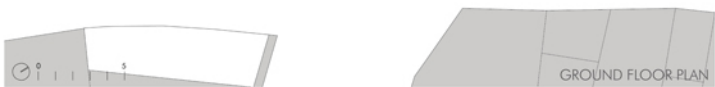


TIME AND CONSTRUCTION

The constructions of a few constructive values in the old building, added to the original fabric through the years, have been demolished and some elements with patrimonial value, as the existing Phoenician columns from Hercules Temple scattered along the village, have been consolidated. New construction of sloping roofs of tile of 14 x 14 cms qualifies the different spaces, circulation with flat and low roofs and cooking rooms and classrooms are high places who seek the light at the top. All these ceilings are finished with white surfaces that unify the space and provide an abstract perception to new uses. At the original building, ancient floors were replaced by slabs of concrete with wooden formwork that recognize traditional building forms, walls are covered with white and rough lime mortar which seeks material memory of its industrial past.

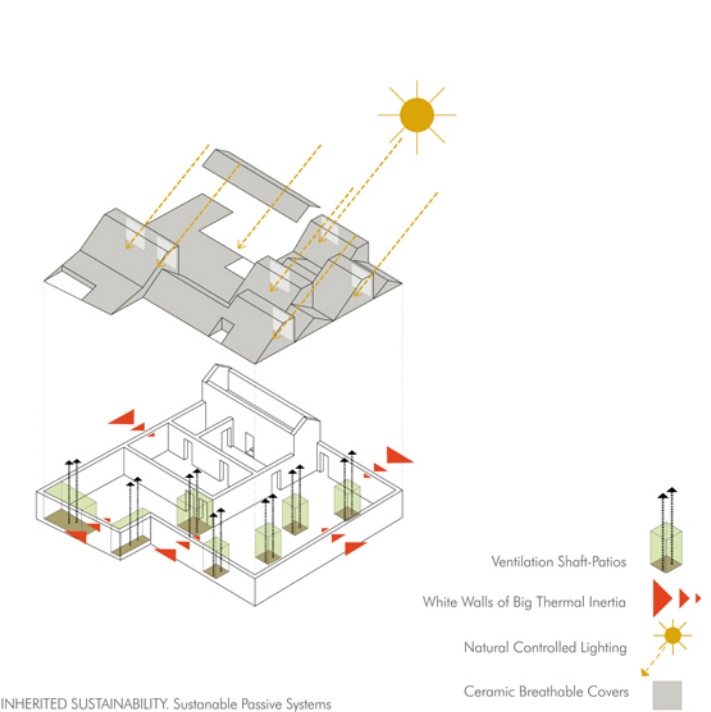
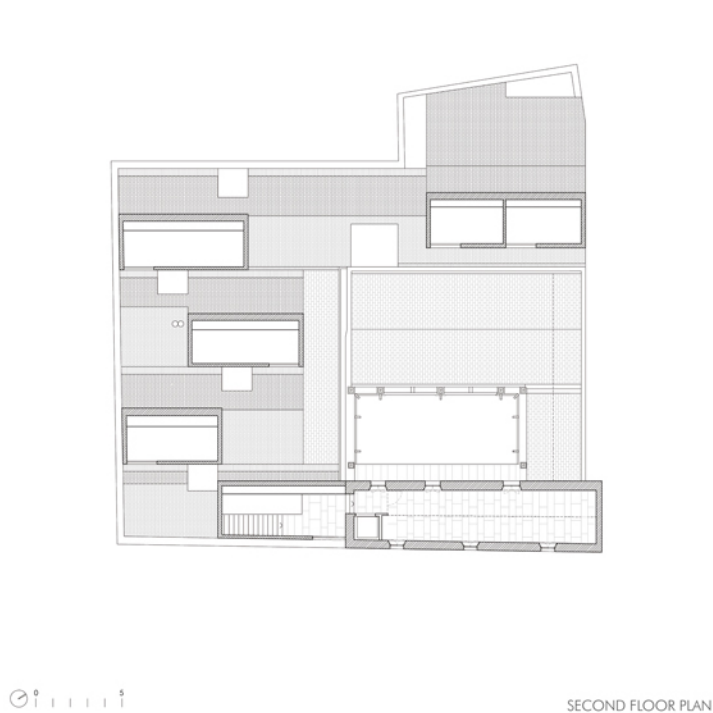
INHERITED SUSTAINABILITY

The building uses the sustainable tradition of vernacular buildings in southern Spain: the white walls of big thermal inertia, the patios as ventilation shafts and microclimatic spaces, and the ceramic breathable covers. A series of small courtyards scattered throughout the floor of the School of Hospitality ensuring cross ventilation to cool the building, at the same time, the ancient walls of thick perimeter walls that surround the entire intervention reduce energy losses and new roofs, built according tradition, improve moisture conditions through perspiration and they continue the tradition of respect the environment using local materials.



COOKING SCHOOL IN ANCIENT SLAUGHTERHOUSE

Sol89 Medina Sidonia, Spain



SOL89

María González (1975) and Juanjo Lopez de la Cruz (1974) are architects since 2000 when they found Sol89, a study from which they combine research, teaching and professional activity. They have won several prizes in competitions such as the first prizes of the Andalusian Institute of Biotechnology in Seville (2002), the Congress Centre of Ayamonte (2004), the Biennial of Contemporary Art of Seville (2008), the third prize of the Pavilion for the Book Fair of Madrid (2008) or the first runner-up prize in the International Competition for Intervention in the Castello Aragonese of Naples (2009). They have been invited as lecturers and professors in many academic and college forums and their built work has been collected in several scientific publications from Spain, Portugal, Italy, France, Germany, Korea or China, receiving recognition as the first prize of XIII Architectural Award of the College of Architects in Huelva in 2006, first prize of ASCER Architectural Award 2012 and the selection of six works for the Catalogue of Spanish Young Architects Programme Arquia/ Próxima (Barcelona 2008-2012). Since 2005 they combine their professional activity with research and teaching as professors in the Department of Projects of the School of Architecture in Seville, where María is a member of the Research Group Urban Recycling: Residential Tissue Retraining for Sustainable Development and Juanjo is a member of the Editorial Board of the Draft magazine, Project, Progress, Architecture.

COOKING SCHOOL IN ANCIENT SLAUGHTERHOUSE

Location: Medina Sidonia, Cádiz. Spain
Design date: 2008
Completion date: 2010-2012
Architects: Sol89. María González y Juanjo López de la Cruz
Jerónimo Arrebola
George Smudge, student
Quantity surveyor: Insur JG
Collaborators: Alejandro Cabanas SL
Installations engineers: 751 m²
Structural engineer: Fundación Forja XXI
Built up area: Novoraidian & Rhodas SL
Client: General Contractor:



International Prize for Sustainable Architecture
2013 Competition - Built Projects Division



Project name: Cooking School in Ancient Slaughterhouse
Project location: Medina Sidonia, Cádiz. Spain
Designer/s: María González & Juanjo López de la Cruz. SOL89
City - Country: Seville, Spain

