



FACOLTÀ DI ARCHITETTURA
VALLE GIULIA

SAPIENZA
UNIVERSITÀ DI ROMA

La Fondazione Bruno Zevi, in collaboration with AACUPI (Association of American College and University Programs in Italy) and the Facoltà di Architettura di Roma Valle Giulia, promotes:

DESIGN WORKSHOP ON FRUGAL ARCHITECTURE

Project for an emergency housing unit

January 22, 2010, at the Faculty of Architecture Via Gramsci 53, room 16
From 9:00 am to 7:00 pm

Structure of the workshop:

The seminar will take place from Jan.21st to 23rd, 2010. Students will be divided into two groups, each consisting of an Italian and an American.

- The conference "For a Frugal Architecture" will take place on Jan. 21, from 10:00 to 18:00 at the conference hall - Campo Boario – Citta' dell'Altra Economia - Largo Dino Frisullo. All students who have joined the seminar should attend. At the end of the conference a short briefing on the workshop will be held.
- On Jan. 22, from 9 am to 7 pm at the Faculty of Architecture, Via Gramsci 53, room 16, the design session will take place.
- On Jan. 23 from 9:00 am to 12:30 pm in the Aula Magna, the results of work will be introduced and discussed with the speakers of the conference.

At the end of the workshop, every student will receive a certificate of participation from the three promoters.

Concept

Emergency housing unit for a minimum of 2 people, organized around the service core (bathroom and kitchen), with maximum flexibility of the function layout (sleeping and living areas). The space should be possible to replicate and expand – i.e. from 40 to 60, 80 sqm - to

accommodate a family of 4 to 6 people.

The modularity of the living area must be studied to comprise interesting forms of contraction or expansion of the living space, both horizontally and/or vertically. It wants to create continuity between the indoor and outdoor space stimulating interesting forms of urban agglomeration. It is essential to demonstrate the quality of the unit through the functional distribution solutions, the formal choices and the careful selection of building materials. The adopted strategy must take into account the necessary low cost of the unit, the ease of building process and possibly allow self-construction. It must also take into account: the energy efficiency of the envelope (good thermal insulation to meet the climatic characteristics of the place), have low water consumption devices as water recycling systems, water jet breaker, and so on, and potential energy self-sufficiency through the use of alternative energies (solar thermal and photovoltaics).

Project location

Region Abruzzo, adjacently to L'Aquila but not in the seismic area. Realized to meet housing needs after the earthquake. Peaks temperature recorded in the area: from - 15 degrees in winter to +35 degrees in summer.

Design projects

The project must be summarized in 2 boards cm 70x100 (landscape format) containing:

- Plans, elevations and sections (at least 2 versions of explanatory spatial minimum and maximum housing unit) Scale 1:50
- Details (minimum 2) with indication of the materials used, rapp.1: 20
- Aggregation layout rapp.1: 200 - 1:500
- Renderings

Project Presentation

The presentation will take place with PowerPoint projection on 23 January from 9:00 am to 12:00 am in Aula Magna. Each group will have 3 slides (2 for the boards and a synthesis one containing renderings or any other view at discretionary use of the students). No more than 3 slides per group will be allowed.

You can not present the project orally or in printed form, so it is essential that the 3 slides are self-explanatory.

The 3 slides will be collected by the teachers at 7:00 pm on January 22nd: final deadline for delivery.