

Tectonics Theory and an Example of Its Application in Sustainable Contemporary Architecture

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Abstract : The present work seeks to exemplify the precepts of the sustainable tectonics, through a built work. This is the architectural group 'Chácara dos Professores' in Brasília, Federal District, Brazil. Such an architectural ensemble allows elucidating vernacular constructive techniques that can still be used in contemporary times, on the way to more sustainable constructions. It seeks to show the principles of sustainable tectonics as a design tool, seeking an architecture that can give answers to contemporary issues and that concern caring for the planet. Firstly, a brief investigation will be made about sustainable tectonics, its application in architecture, and later, to correlate such precepts as a tool for reflections and sustainable projects in the contemporary world. For this, will be exemplified, by means of a visit in loco, the construction methods used in the 'Chácara dos Professores' project and its results in the constructed work. The goal is to draw a theoretical reflection on the precepts of tectonics, and to show if such precepts are able to enhance contemporary architecture and help it move towards sustainability, seeking projects increasingly consistent with the reality of today.

Keywords : contemporary architecture, constructive techniques, sustainability, tectonics

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