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An agenda for the Management of contemporary Sustainable houses

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ABSTRACT

The evolution of sustainable design and Construction Management over the past ten years has produced a lot of literature on environmental sustainability and development. But despite this progress in the last ten years it is still a big challenge to designers, architects, landscape designers, etc. and all other professions that are related to the field of environmental science. . The goal of this paper is to simply create a framework for more accurate approach towards sustainable planning, design and development. The Objective of this paper includes to architecturally defining energy sustainable design in our sustainable Buildings; it is also to stress the concept of green building through design guidelines. This paper outlines, recommend and also create architectural design for sustainability and eliminate unsustainable elements in our building.

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1. Introduction

1.1 Sustainable Construction and Architecture

Sustainable building could be defined as an environmentally designed building aimed to limit the effect on our natural environment. These could be achieved through the use of renewable resources or elements from the environment to build (construct) the building (Dawson, 2006). Our built environment involves many holistic approaches and this can be termed as a green approach. A green building could simply be defined as a building constructed on sustainable basic principles (Guy & Farmer, 2006). This system of approach, in other words "Green Approach" is designed to measure and control the interaction between our man-made (Built Environment) and the environment. Therefore various elements of the building, for example, windows, floors, roofs etc can substantially increase or reduced the level of impact in our environment. In other words, the more sustainable they are, the less the negative impact on the building and the environment and vice versa (Ofori, 1998).Every element that are

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