

Download Guide To Green Building Rating Systems

Wiley Series In Sustainable Design

Green building (also known as green construction or sustainable building) refers to both a structure and the application of processes that are environmentally responsible and resource-efficient throughout a building's life-cycle: from planning to design, construction, operation, maintenance, renovation, and demolition. This requires close cooperation of the contractor, the architects, the ...4. Research findings4.1. Building planning and design. The planning and design stage is the point at which the most basic decisions are made in terms of the sustainability, energy use and environmental design of a building , , .Making informed and precise design decisions as early as possible can help the process of sustainable design to become far more efficient and cost-effective.Note: Social and economic factors are vitally important considerations, but are sub systems in the larger context of the Earth's eco-sphere. Theory. The intention of sustainable design is to "eliminate negative environmental impact completely through skillful, sensitive design". Manifestations of sustainable design require renewable resources, impact the environment minimally, and connect ...The modern profession of architecture echoes with its origins, its rich history, and the fast-paced changes of the 21st century. Through antiquity, architecture and construction were united by the cultural intentions of a "Master Builder," who balanced art, science, materials, form, style and craft to achieve his vision. "The regulated profession of architecture is relatively new.