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Taylor & Francis Inc. Hardback. Book Condition: new. BRAND NEW, Carbon-Neutral Architectural Design, Pablo M. La Roche, The energy used to operate buildings is one of the most significant sources of greenhouse gas emissions. To lessen the human impact on climate, it is necessary to reduce these building-related emissions. New legislation, as well as market and financial pressures, are driving architects and developers to create low-carbon buildings. While it is possible to achieve many of these reductions through appropriate climate-responsive design, many architects are not trained to do this. Filling an urgent need for a design reference in this emerging field, Carbon-Neutral Architectural Design describes how to reduce building-related greenhouse gas emissions through appropriate design techniques. This full-color book presents strategies and methods to achieve CO2 reductions, with an emphasis on control of energy flows through the building envelope and passive heating and cooling strategies. Strategies for Designing Buildings with a Smaller Carbon Footprint Examining climate change and its relationship with buildings, the book begins with a look at the sources of emissions and how these are produced as a result of interactions between buildings and the surrounding environment. It then introduces a carbon-neutral architectural design process (CNDP) and a...

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