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Casting Architecture: Ventilation Blocks (Paperback)

By Florian Schatz

Oro Editions, United States, 2014. Paperback. Condition: New. Language: English . Brand New Book. The tropics have hot and humid climatic conditions that are inexorable against any building design. Enclosed spaces without air-conditioning and cross ventilation hold the heat, and become stuffy and moldy environments. Algae grow within days on plastered and painted surfaces due to the heavy tropical rains. The introduction of industrial mechanical building systems comes with high costs for both man and nature. Architects fight a continuous battle with climatic conditions and unsuitable material in an effort to offer more comfort and better design. Faced with climate conditions, the traditional art of building ceases to exist. Yet, architects like Kerry Hill and Kevin Mark Low create added value to a tropical design by combining both traditional methods of building while employing cross ventilation as a design feature. Traditionally, ventilation blocks have been used to make living in hot and humid regions more comfortable. Mass-produced modular blocks can take over construction loads, permit cross ventilation and protect the building's interior from intense tropical rainfall. Ventilation blocks, as modular-building systems, using carefully executed designs, create richly ornamented sculptural facades. Unfortunately, with air-conditioning and the current preference for steel-glass...



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