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Regenerative Architecture: A Pathway Beyond Sustainability

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Abstract
The current paradigm in the field of architecture today is one of degeneration and obsolete building technologies. Regenerative architecture is the practice of engaging the natural world as the medium for, and generator of the architecture. It responds to and utilizes the living and natural systems that exist on a site that become the "building blocks" of the architecture. Regenerative architecture has two focuses; it is an architecture that focuses on conservation and performance through a focused reduction on the environmental impacts of a building.

This paper introduces regenerative architecture as a means for architectural design. I present the Nine Principles of Regenerative Architecture and Place Analysis Criteria, which I developed in order to provide a logical and succinct means for creating regenerative architecture. These are employed and embedded in the creation of the R_Urban Intervention Dwelling model and tested on the Coop House design project.

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The result was an architectural design in which the Nine Principles of Regenerative Architecture are embodied through the application of the Place Analysis Criteria process. Though the process underwent many mutations through its infancy, the final product has proven to work in producing successful and potentially regenerative architecture as described in part 1 of this paper.

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