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Bringing Biophilic Design to the Art Farm at Serenbe

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Bringing Biophilic Design to the Art Farm at Serenbe

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The research is based on how architectural techniques inspired by biophilic principles could improve human well-being and environmental sustainability. It is predicated on the idea that people have an inherent propensity towards nature, known as biophilia. In order to establish a theoretical framework for the project, a thorough literature assessment of significant works in the field of biophilic design is conducted. Works like "Designing Resilient Communities for the Future" by Dr. Phill Tabb and "14 Patterns of Biophilic Design" by Terrapin Bright Green are merely two instances.

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Abstract

People are drawn to nature, therefore are genetically biophilic. As third-year architecture students working on the future expansion of the Art Farm at Serenbe, we are investigating the incorporation of biophilic design concepts into architectural practice. This project sheds light on the effectiveness of biophilic strategies in improving human well-being and environmental sustainability through a comprehensive analysis of biophilic design principles. Through their seamless integration, our architectural strategies seek to improve people's physical, mental, and overall health and wellness, as well as reduce stress levels and promote a deep connection with nature. Based on the scientifically proven research that the built environment has a significant impact on people's health, this research studio aims to apply biophilic design techniques to establish built environments that are healthier, connected to the natural environment, and more harmonious for occupants. Based on the influential studies of "Designing Resilient Communities for the Future" by Dr. Phill Tabb, "14 Patterns of Biophilic Design" by Terrapin Bright Green, and "The Practice of Biophilic Design" by Stephen Kellert, this literature review of the emerging field of biophilic design addresses demands such as urbanization, environmental deterioration, and the increasing awareness of the role of nature. Employing a multifaceted research methodology, this study integrates various techniques to explore the complexities of biophilic design in architectural contexts. Biophilic pattern languages are utilized to distill design strategies rooted in nature's inherent patterns and processes. Three-day on-site research in Serenbe, GA was conducted where ethnographic and phenomenological data gathering and analysis were performed as well as pre-design tasks and first-hand encounters with community members. The project aims to influence architects to create communities that support holistic

health and create a closer connection with nature by clarifying effective design techniques and pointing out areas for the development of the Art farm at Serenbe.

