



TERRAPIN
BRIGHT GREEN

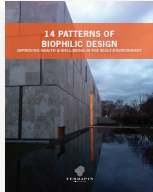
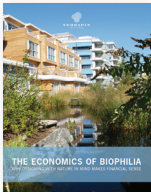
DESIGNING WITH NATURE

Biophilia is mankind's deep-seated connection with nature. It helps explain why crackling fires and crashing waves captivate us; why a view to nature can enhance our creativity; why shadows and heights instill fascination and fear; and why gardening and strolling through a park have restorative healing effects.

Biophilic elements have demonstrably real, measurable benefits for human performance metrics such as productivity, emotional well-being, stress, learning and creativity. More than **90% of a company's operating costs can be linked to human resources**; and financial losses due to absenteeism and presenteeism account for 4%.

Implementing biophilic design into our built environment has profound health and economic benefits. Building managers can retain **higher rents**; companies are more likely to see **improved productivity** among employees; hotels can garner more than **12% higher rates** for rooms with water views; healthcare providers and patients can see financial benefits from **faster recovery rates**; and schools can experience **gains in student performance** and reduced absenteeism.

Terrapin is working with designers, corporations, and others to integrate biophilic design patterns to redefine workplace, community living, and educational environments.



Visit our website for more information or to download publications, including ***The Economics of Biophilia*** and ***14 Patterns of Biophilic Design***.

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14 PATTERNS OF BIOPHILIC DESIGN

Over the years, academics, researchers, and others have identified numerous design strategies for improving health and well-being in the built environment. Terrapin has codified this research into 14 patterns of biophilic design:

PHOTOS COURTESY OF MICHAEL MORAN STUDIO, PLAN B ARCHITECTS, MOHA ARCHITECTS, 70 MAGAZINE, BASTIN & EYARD, COOKEY ARCHITECTS, AND TERRAPIN



NATURE IN THE SPACE

1. Visual Connection with Nature
2. Non-Visual Connection with Nature
3. Non-Rhythmic Sensory Stimuli
4. Thermal & Airflow Variability
5. Presence of Water
6. Dynamic & Diffuse Light
7. Connection with Natural Systems

NATURAL ANALOGUES

8. Biomorphic Forms & Patterns
9. Material Connection with Nature
10. Complexity & Order

NATURE OF THE SPACE

11. Prospect
12. Refuge
13. Mystery
14. Risk/Peril



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