

CONCEPTUAL FRAMEWORK FOR SUSTAINABLE DESIGN

Based on Ardiani & Shateri (2018) · Specialty Journal of Architecture and Construction

Principles & strategies

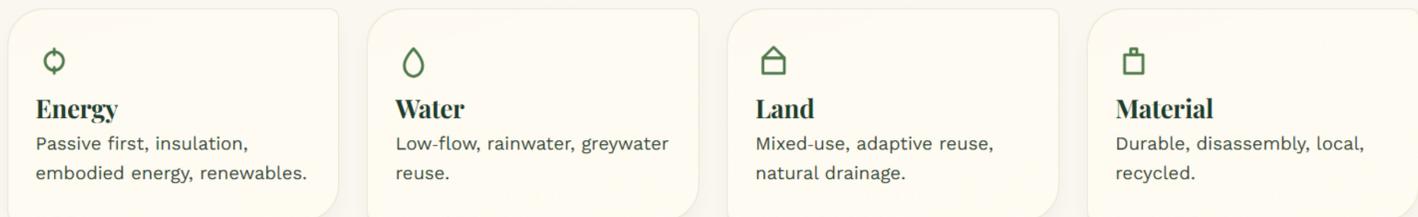
FIG 1 · CONCEPTUAL FRAMEWORK



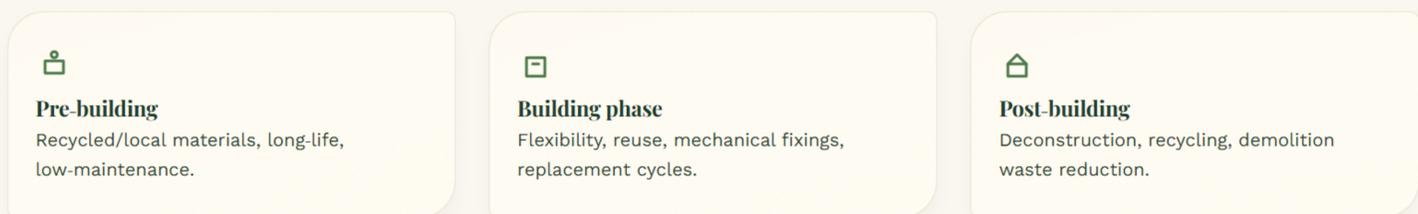
Figure 1: conceptual framework for sustainable design (Ardiani & Shateri, 2018)

RESOURCE INTELLIGENCE

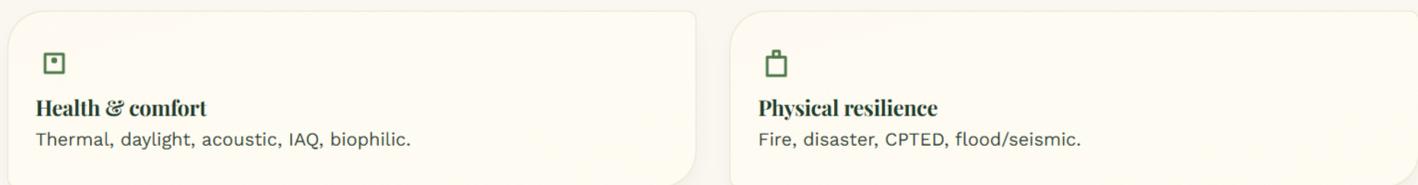
Map inputs & outputs · reduce before renew



LIFE CYCLE THINKING



HUMAN ADAPTATION



THE INTEGRATED SUSTAINABILITY LOOP

- ENVIRONMENTAL
- SOCIAL
- ECONOMIC

"If one pillar is missing — the design is incomplete." — Ardiani & Shateri

Implementation checklist

- ✓ Reduced demand before tech?
- ✓ Adaptable in 30 years?
- ✓ Materials separable at end-of-life?
- ✓ Improves human well-being?
- ✓ Working with climate?

If any answer is NO — redesign.

Sustainable design is not a style.

It is a decision-making system. Architecture shifts from object creation → ecosystem participation.

Key references

- Ardiani, M. & Shateri, M. (2018). *Conceptual Framework for Sustainable Design*. Specialty Journal of Architecture and Construction, 4(2), 15–24.
- Brundtland Commission (1987). *Our Common Future*.
- Sev, A. (2009); Sinha (2002); Datschefski (2001).