

SUSTAINABILITY PRIORITIES

Check the environmental strategies you plan to incorporate into your dream home. Use this scorecard to prioritize passive design decisions and active systems.

Sunlight & Orientation

01

- ☐ Long walls oriented south for winter sun
- ☐ Overhangs sized for summer shade
- ☐ Largest windows on south face
- ☐ West glass minimized or well-shaded

Airflow & Ventilation

02

- ☐ Cross-ventilation paths through main rooms
- ☐ Operable windows on opposite walls
- ☐ Stack ventilation for multi-story spaces
- ☐ ERV/HRV for airtight envelope

Thermal Mass & Insulation

03

- ☐ Thermal mass on south-facing floors/walls
- ☐ Continuous insulation on building envelope
- ☐ Foundation insulation under slab and perimeter
- ☐ Thermal bridge-free detailing

Energy & Water Systems

04

- ☐ Solar PV panels oriented south
- ☐ Heat pump (air-source or geothermal)
- ☐ Energy-efficient windows (low-E, appropriate SHGC)
- ☐ Rainwater harvesting or greywater reuse

COST-BENEFIT REFERENCE

High ROI (Usually Worth It)
Extra insulation, air sealing, proper orientation (free!), ceiling fans, energy-efficient windows in extreme climates.

High ROI (Usually Worth It)
Extra insulation, air sealing, proper orientation (free!), ceiling fans, energy-efficient windows in extreme climates.

Medium ROI (Evaluate Carefully)
Triple-pane windows, heat pump water heaters, ERV/HRV systems, rainwater harvesting.

Medium ROI (Evaluate Carefully)
Triple-pane windows, heat pump water heaters, ERV/HRV systems, rainwater harvesting.

Long ROI (If Budget Allows)
Geothermal HVAC (15-25 yr payback), green roofs, extensive solar thermal.

Long ROI (If Budget Allows)
Geothermal HVAC (15-25 yr payback), green roofs, extensive solar thermal.

YOUR TOP 5 PRIORITIES

Rank your five most important environmental strategies.

1. _____
 2. _____
 3. _____
 4. _____
 5. _____

ENVIRONMENTAL RESPONSE NARRATIVE

Describe how your building design responds to sunlight, wind, thermal mass, and energy systems on your site.