

# SUSTAINABILITY PRINCIPLES

- SP1: Site
- SP2: Design
- SP3: Materials
- SP4: Technology



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# SUSTAINABILITY PRINCIPLES



## SP1: Site

- ❏ Reduce site impact/disturbance
- ❏ Mandatory on-site construction waste recycling
- ❏ Xeriscaping with native vegetation when appropriate
- ❏ Stormwater management: infiltration and rain gardens
- ❏ Encourage accessibility to pedestrian paths & public transportation

## SP2: Design

- ❏ Energy modeling
- ❏ Whole-house systems approach
- ❏ Complementary scale and proportion
- ❏ Optimize both passive and active solar orientations
- ❏ Responsible use of renewable materials, resources, & energy

## SP3: Materials

- ❏ Energy-efficient thermal envelope
- ❏ Non-toxic paints, stains, and finishes
- ❏ Local building materials when appropriate
- ❏ Promote healthy environmental air quality (EAQ)
- ❏ Promote the use of reclaimed materials when appropriate
- ❏ Promote materials containing recycled content when appropriate

## SP4: Technology

- ❏ Tuned window glazing
- ❏ Energy-efficient appliances
- ❏ Programmable thermostats
- ❏ Whole-house systems monitoring
- ❏ Wall systems: 2"x6," ICF's, SIP's, Straw Bale
- ❏ Programmable landscape irrigation systems
- ❏ PV, Solar Thermal, Geothermal, Wind Turbines, and more
- ❏ Third-party verification: EnergyStar (HERS), Built Green, LEED
- ❏ Energy-efficient, multi-zone HVAC systems (Radiant, HRV, Whole-house fans)

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