

# SUSTAINABLE PRACTICES/ARCHITECTURALLY

- **Building Materials**
  - use of recyclable materials
  - use of natural materials
  - use of local materials
- **Lighting**
  - use of natural light
  - necessary shading with overhangs of sun shade devices
  - energy efficient lighting for interiors with occupancy based lighting controls
- **Solar Energy**
  - use of photo-voltaic panels
- **Heat Gain**
  - Reflective roof surface
  - natural/cross ventilation
  - passive heating or cooling

- **Plumbing Fixtures**
  - use of water efficient plumbing fixtures
  - use of point of use water heaters like infra-red (on demand)
  - use of low flow plumbing fixtures
  - rainwater collection or on-site treatment of grey water for irrigation
- **HVAC System**
  - use of geo-thermal heating/cooling systems
  - use of thermal mass (a wall)
  - variable speed motors and drives
- **Other Strategies**
  - use of green roof
  - use of solar water heating