

What is Green Building? **Green at a Glance**

Green Buildings Use Sustainable Materials

Some examples ...

- ❑ Engineered lumber instead of solid-sawn lumber
- ❑ 15% to 35% fly ash in concrete instead of cement
- ❑ FSC-certified framing lumber and redwood
- ❑ FSC-certified wood for cabinets (i.e. EarthSource)
- ❑ Fiber-cement siding, trim and roofing (i.e. James Hardie Hardiplank)
- ❑ Bamboo (i.e. Eco Timber), Cork (i.e. Globus Cork; EcoCork), or Natural linoleum (i.e. Forbo Marmoleum) flooring
- ❑ Exposed concrete flooring
- ❑ Renewable, non-toxic wood for decking (i.e. Wolman Natural Select)
- ❑ Reclaimed lumber flooring or millwork
- ❑ Recycled content products (i.e. glass tile; Trex decking)
- ❑ Recycled paper countertops (i.e. Richlite)

Green Buildings Improve Indoor Air Quality:

Some examples ...

- ❑ Air-to-air heat exchange ventilator (i.e. Honeywell Perfect Window system)
- ❑ Cellulose insulation or formaldehyde-free fiberglass insulation
- ❑ Low-VOC-emitting interior paints (i.e. Benjamin Moore Eco Spec)
- ❑ Water-based wood floor finish (i.e. BonaKemi Traffic waterborne polyurethane)
- ❑ Plywood with no formaldehyde used for cabinet carcasses (i.e. ArmorCore EQ)
- ❑ MDF with no added formaldehyde (i.e. Medite II)
- ❑ Bamboo, wheatboard or strawboard cabinets (i.e. Dow Woodstalk)
- ❑ Hardwood floors with area rugs instead of carpets
- ❑ 100% natural wool or sisal carpet instead of standard carpet
- ❑ High efficiency air cleaners on forced air system (i.e. Aprilaire)
- ❑ Hydronic radiant floor heating instead of forced air



Green Buildings Use Energy Efficient Systems:

Some examples ...

- ❑ Energy Star certified appliances and water-efficient plumbing fixtures
- ❑ Low-e² argon-filled dual pane windows
- ❑ Recessed compact fluorescent lighting
- ❑ Use dimmers, photo-sensitive lighting control and motion sensors
- ❑ Tankless water heater (i.e. Takagi)
- ❑ On-demand hot water circulation pump (i.e. Metland)
- ❑ Solar-powered rooftop attic fan
- ❑ High efficiency ceiling fans
- ❑ Radiant barrier under roofs (i.e. Techshield)
- ❑ Blown in blanket fiberglass insulation (i.e. Optima)
- ❑ Blower door test, duct sealing, air sealing for <6% leakage in HVAC system
- ❑ 90% AFUE furnace
- ❑ Metal roofing
- ❑ Hydronic radiant floor heating
- ❑ Solar photovoltaic electric system

Green Design Means Building Green from the Ground Up

Some examples ...

- ❑ Extensive natural daylighting using skylights and transom windows
- ❑ Passive cooling design with three foot overhangs
- ❑ Deciduous trees on south and west facing walls
- ❑ Passive solar heating with thermal mass for heat storage
- ❑ Compact floor plan and site layout design with use of abundant outdoor space
- ❑ Built-in recycling centers at point of use
- ❑ Structural insulated panel construction, or straw bale construction
- ❑ Drought tolerant native landscaping
- ❑ Permeable driveways to reduce run-off and replenish groundwater
- ❑ Gray water system to re-use gray water for irrigation
- ❑ Locally-made products and vendors

