

Imagine! - Boulder

G R E E N F E A T U R E S



Sustainable Site

- Deconstruction of existing house with materials donated to local recyclers/resellers.
- Building oriented to allow passive solar heating and reduce potential overheating of west facing glass.
- Construction waste management.
- Utilize proven design techniques to create multi-use spaces and make small spaces appear more spacious.
- Use native, low water using plantings.

Heating & Cooling

- Geothermal ground-source heat pumps for heating and cooling.
- No natural gas consumption.
- Added filtration for indoor air quality.
- Insulated Low-E double pane windows.
- Heat recovery ventilators for all exhaust fans.
- All-Season Room designed to capture heat during winter days then release heat into the house at night via operable louvers.
- Operable clerestory windows with ceiling fans for passive cooling.

Water Conservation

- Motion-activated faucets.
- Low water usage plumbing fixtures.
- Xeric & low water demand landscaping.

Energy Efficiency & Renewable Energy

- Natural lighting and solar tubes.
- Cooling via natural ventilation.
- Solar photovoltaic (PV) panels.
- Solar hot water panels.
- Energy Star kitchen and laundry appliances.
- Fluorescent lighting fixtures throughout.
- Continuous rigid insulation applied on outside of framed walls and foundation walls.
- Spray-applied roof insulation for continuous insulation plane and low air infiltration.

Building Materials

- Cementitious siding and exterior trim requiring less lifetime maintenance.
- Low VOC adhesives and paints for improved air quality.
- Use of reclaimed lumber for interior trim.
- Formaldehyde-free blanket insulation and particle board.
- Engineered lumber for floor framing and beams.
- FSC-certified building trusses and wood flooring.
- Linseed-based sheet flooring.
- Recycled-content carpeting meeting Environmentally-Preferable Products and Green Label Plus certification standards.