Green Architecture

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Up to 25% of heat can be lost through your roof

Up to 35% of heat can be lost through your walls

10% through windows

15% through floors

15% through doors
Straw Insulation

Inside temperature of strawbale and brick-veneer models exposed to an outside temp of 0 degrees C

Graph showing temperature over time (hours) for strawbale and brick-veneer models.
Cool Roofs
Green Roofs
Insulating with the Earth
Geothermal Heating and Cooling

Closed Loop Systems
Vertical

Closed Loop Systems
Horizontal
Passive Solar Heating
Rainwater Collection
Solar Water Heating

- Cooled air is returned to the roof
- The heated air is converted into a hot fluid
- The solar heated air is collected

A SoloTech System combined with a water borne central heating system
How Does LEED Define a Green Home?

Energy

Water

Indoor Air Quality

Sites

Materials

Healthy
Comfortable
Durable
Energy Efficient
Environmentally Responsible

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Thank you for listening!