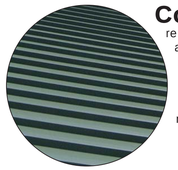
POPE STREET GREEN

http://www.silicontraption.com/414pope/blog/newindex.html or Google "pope street modern"

Sustainable Features



Cool Metal Roofing

reduces energy requirements by reflecting and re-emitting heat that would otherwise be absorbed into the structure creating a higher cooling load and greater energy consumption. Metal roofs are made from recycled materials, require little maintenance, and can last as long as 100 years.

FSC Certified Framing

wood is guaranteed to be harvested in a sustainable manner from forests managed to the strictest environmental and social standards. The Forest Stewardship Council (FSC) is an independent, non-profit organization whose membership includes environmental groups, forestry professionals, labor groups, and responsible forest product companies.

Natural Ventilation

facilitates improved indoor air quality and reduces energy loads by eliminating or minimizing the need for mechanical ventilation systems. Strategically placed windows located high and low allow natural air currents to move through the house without the need for traditional forced-air ducts, which can disperse dust and mold.

Rice Hull Filler

is a waste product from the farming and production of rice that is often burned for fuel. When used as a filler material in concrete, it helps prevent the growth of mold and fungi.

Cotton Insulation

is made from 100% natural cotton fiber denim trimmings and requires less energy to produce than fiberglass batt. No formaldehyde is used to produce cotton insulation resulting in better indoor air quality. It performs better than fiberglass batt insulation when installed properly.

FSC Certified Wenge

veneer will create a rich look for the kitchen cabinetry. Wenge is a tree native to Central Africa that is durable and naturally resistant to pests and decay. In order to use less wood, thin veneer will be applied to formaldehyde free MDF and plywood doors and cabinet boxes.

Radiant Heating

is more efficient than baseboard or forced-air heating because no energy is lost through air leakage in ducting. It also improves indoor air quality because it does not stir up dust and allergens. Hydronic floor heating takes advantage of the thermal mass in a building to release heat evenly over time resulting in fewer temperature fluctuations.

Home Deconstruction

reduces the amount of waste going to landfills and makes low cost used building compenents available for other projects. Home owners can receive substantial tax benefits by donating the salvaged material.

Energy Star Appliances

are certified to meet energy efficiency standards set by the U.S. Department of Energy and the Enivronmental Protection Agency. All certified Energy Star appliances must be tested and verified by an independent third-party.

Formaldehyde-Free Wood Products

such as plywood, particle board, and other engineered woods do not contain carcinogenic glues or resins that off-gas over time. In addition to causing cancer, formaldehyde exacerbates respiratory problems.

Cedar Siding

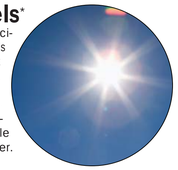
is naturally decay and insect resistant due its natural oil content. It is also dimensionally stable, and has acoustic and thermal insulation properties due to its low density, cellular structure. Cedar availability is expected to increase in the coming years, and is being aggressively re-planted throughout the Pacific Northwest.

Daylighting

reduces the need for electric lighting by splacing window openings strategically to allow sunlight to penetrate into the building. Natural daylight provides a better quality of light for many tasks. In order to function effectively, window openings must be related to the depth of the room in order for daylight to penetrate to the interior of the house.

Photovoltaic Panels*

help to offset the greenhouse gas emissions associated with powering a house by burning fossil fuels such as coal. Photovoltaic (PV) panels convert sunlight into electricity, which can be fed back into the power grid when they generate more power than the house consumes, lowering electric bills. Recently, the federal and state governments have offered incentives (subject to available funding) to switch to solar power.

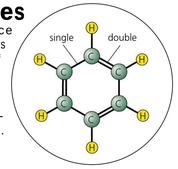


Cellulose Insulation

is made from recycle newsprint paper that would otherwise end up in landfills and release greenhouse gases when it decomposes. Cellulose insulation requires less embodied energy to produce and results in very little jobsite waste because it is easily recycled. It possesses a high R-value per inch recuding heating and cooling loads, and is non-toxic.

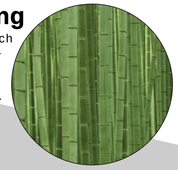
Low or No VOC Finishes

such as paints, stains, glues, and sealants produce little or no harmful, breathable toxins - known as volatile organic compounds (VOC) - which off gas over time and are detrimental to health, particularly for children. Low VOC paints and finishes are easier to clean up than solvent-based alternatives, produce less odor, and are biodegradable.



FSC Certified Bamboo Flooring

is a durable alternative to hardwood floors which come from slow-growing trees. Bamboo is a fast-growing, renewable crop that does not require chemical fertilizers or pesticides. In addition it requires few chemicals to produce and maintain.



Fly Ash Concrete

uses the industrial byproducts of coal-fired power generation to replace the portland cement found in most concrete. Fly ash content improves the performance characteristics of concrete while offsetting the substantial carbon footprint associated with producing portland cement.

*To be installed at a future date

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