



Sustainable Sites

Awesome land stewardship during and after construction.



Water Efficiency

Innovative wastewater technologies and H2O conservation.



Energy & Atmosphere

All systems prevent waste, renew, reuse, restore or save energy.



Indoor Air Quality

Super clean air through no smoking, ventilation and green products.



Materials & Resources

All recyclables are stored and collected.

Energy & Atmosphere

Spray Foam Insulation

Spray foam insulation expands like magic when applied. Spray foam is the only insulation that seals as well as insulates. Because of its expanding nature, spray foam excels at filling gaps, cracks and cavities, eliminating the energy-sapping voids that can occur when installing other types of insulation.

Double Paned Windows

Double-Paned windows have two panes of window glass sandwiched together to create a middle buffer. The double panes of glass, plus the intermediate buffer zone, provide a better barrier against outside temperatures (keeps hot air 'in' and cold air 'out' during the winter and vice versa in the summer).



Handyman Harold Asks, “Do you know how many double-paned windows are installed in this building?”

Energy & Atmosphere



Solar Panels

Have you ever seen a calculator that runs on solar energy? Solar energy is vital to support life on earth, it helps to grow our food, light our days, influence weather patterns, provide heat, and can be used to generate solar electricity. This building has 99 solar panels on the roof to provide a source of clean, and low cost renewable energy. These panels save 8% of the overall energy needed for this building.

Eco-Efficient Traction Elevator

The elevator uses 1/3 of the energy of a hydraulic elevator, and does not use polluting oil.

Handyman Harold Asks, “Since many of us do not have solar panels at our homes, what are some other ways you can save energy?”

Answers: Turning off lights, unplugging devices,
taking the stairs, etc...

H2O Efficiency

Low-Flow or Low Flush Plumbing Fixtures

Plumbing fixtures reduce the amount of water released per use are called “low-flow” or “low-flush.” These fixtures use just enough water to be effective, saving excess, clean, drinking water that usually goes down the drain. Toilets are the main culprits of wasting water. Old models use up to six gallons per flush! All of the plumbing fixtures in this building are “low flow” and “low flush” using 1.6 gallons or less per flush. Additionally, this building has faucets and showerheads with water flow reducers.



Grey Water Cistern

Leftover dish, shower, sink, and laundry water is called “grey water.” Grey water may be reused for other purposes, especially landscape irrigation. The cistern is a huge tank that collects all of this leftover water and puts it to good use on the plants, trees and other landscaping outside.

Handyman Harold Asks, “If you flush 3x a day, how many gallons of water do you save in one day with a “low-flow” toilet?”

Answer: 13.2 Gallons

Materials & Resources

Recycle. Recycle. Recycle. REPEAT!

This building recycles paper, plastic, metal, glass, and cardboard . Recycling reduces the amount of waste in the landfill.

Aluminum

Recycling one aluminum can saves enough energy to run a TV for three hours -- or the equivalent of a half a gallon of gasoline.

Paper

Each ton (2000 pounds) of recycled paper can save 17 trees, 380 gallons of oil, three cubic yards of landfill space, 4000 kilowatts of energy, and 7000 gallons of water.

Plastic

Recycling plastic saves twice as much energy as burning it in an incinerator. Americans use 2,500,000 plastic bottles each hour!

Glass

A modern glass bottle takes 4000 years or more to decompose -- and even longer if it's in the landfill.

Handyman Harold asks, “Can you guess how many trees the average American uses in one year from paper, wood, and other products made from trees?”



Answer: 7 Trees

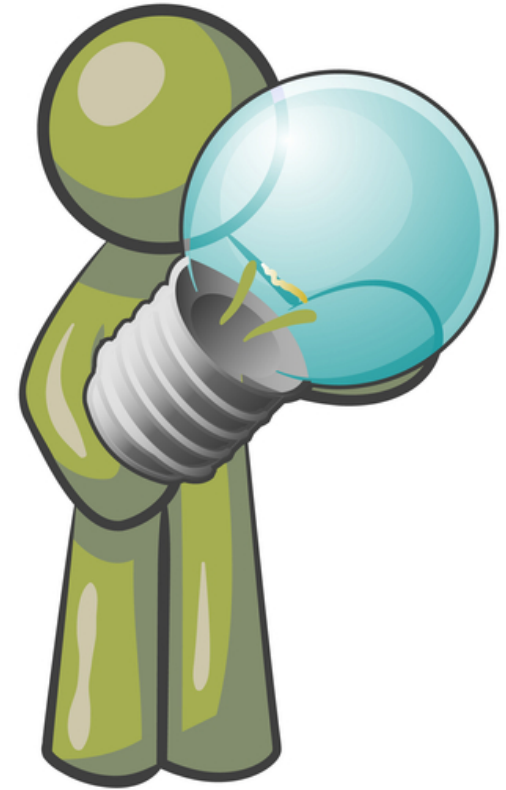
Materials & Resources

Recycled Carpet

Did you know that we pile 5 billion pounds of carpet in landfills each year? This building's carpet is made of recycled content which reduces the amount of waste in the landfills. Recycled content also saves on the energy, costs and production of brand new carpet. And, it looks the same as new carpet!

Dark Sky Lighting

Have you ever noticed that the stars seem brighter when you are outside of the city? That's because all of the lights in the city reflect off each other and buildings to create "light pollution." This building has proper downward-facing lighting that does not contribute to the pollution. At night, we want to see a dark sky!



Handyman Harold Asks, "Can you tell the difference between the recycled-content carpet in this building and new carpet in other places?"

Answer: No, there is not a difference.

Sustainable Sites



Cool Roof

The “cool roof” has special shingles that reflect the sun's rays. This reflection maximizes energy savings and reduces the amount of heat this building contributes to the atmosphere. Now that’s “cool!”



Pervious Paving

Try to say that 5x fast! “Pervious” is a fancy way to describe something that allows water to pass through it. Our parking lot is “pervious” which allows rainwater to filter through it and be collected. This water is saved and reused.

Handyman Harold Asks, “How much water can the pervious parking lot save/collect in one year?”

Answer: Approximately 3 inches of rainfall

Indoor Air Quality



Clean & Safe Products

All of the interior paints, coatings, and sealants have clean and safe ingredients. This building's products have reduced fumes and contaminants (yucky, dangerous gasses), contributing to better indoor air quality. The fancy term is Low-Volatile Organic Compound or Low- VOC.

No Smoking

There is absolutely NO SMOKING inside or outside the building. Unless the building is on fire... there is NO SMOKING.



Handyman Harold Asks, "How many gallons of Low-VOC paint were used in this building?"

Answer: Approximately 1,500 Gallons