

# BERTSCHI CENTER

## LEED GOLD CERTIFIED

Estimated Energy Savings: ( 76,081 kWh/yr or \$3565/yr)

Carbon Emissions Avoided: 45,901 tons/yr

Water Savings: 71,155 gal/yr or \$262/yr

Waste Diverted: 342.4 tons or 92.4%

Completed May 2007

12,290 SF

Cost: \$256/SF (including sitework),  
\$222/SF (excluding sitework)



## ENERGY SAVING FEATURES

- Photovoltaic Panels Provide 6.9% of Annual Energy Cost
- (24 - 165W Sharp Panels on School House Building Provide 3.96 kW (funded by Seattle City Light) and 12 - 175W Sharp Panels over Walkway at Bertschi Center Provide 2.1 kW)
- Natural Daylighting for 98% of Regularly Occupied Spaces with Daylighting Controls
- Natural Ventilation for Gym, Operable Windows in Classrooms
- High Efficiency Hot Water Heater
- Highly Efficient Mechanical System - CFC / HCFC Free

## WATER SAVING FEATURES

- Rainwater Cistern System (Total Capacity 7812 gallons) - Water Used for Toilet Flushing and Irrigation
- Native, Drought Tolerant Landscape with Drip Irrigation
- Ultra Low Flow Toilets - Average 1 Gallon / Flush
- Synthetic Turf Does Not Require Irrigation

## SUSTAINABLE MATERIAL CHOICES

(Preference Given to Local and Regional Materials):

*Materials Used with Recycled Content - (10.2% of Material Cost)*

- Steel
- Concrete with Fly Ash and Reclaimed Water
- Aluminum Windows
- Rubber Play Tiles
- Synthetic Turf Playfield
- Gypsum Wall Board
- Rubber Base





#### FSC CERTIFIED WOOD

(59.6% of Value of Wood Products)

- Glu-Lam Timbers and Framing

#### RAPIDLY RENEWABLE MATERIALS

(5.2% of Material Cost)

- Bamboo Gym Floor
- Wheatboard Cabinetry and Wall Panels
- Cotton Batt Insulation
- Cork
- Wool Carpeting

#### OTHER GREEN ELEMENTS

- All Indoor Materials were low VOC
- Electric Fueling Station Provided for Alternative Fuel Vehicles
- Heat Island Effect Minimized by a Combination of a Green Roof, Cool Colors for Metal Roofing, an Energy Star Cap Sheet on Membrane Roofing and Putting 100% of Parking Underground
- Green Housekeeping and Maintenance Plan - Developed to Make Good Environmental Choices for all Aspects of Operations
- Green Touchscreen in Lobby is Cornerstone of Bertschi Center's Sustainability Curriculum and Educational Outreach Program Which Links Weather Conditions to Building
- Performance and Provides Detailed Information About the Building's Sustainable Features.
- Sustainable Features are Highlighted with Interpretive Signage Throughout the Building and the Site.

