

BERTSCHI SCHOOL LIVING BUILDING SCIENCE WING

Site: 3,380 square feet (includes 1,425 square foot building)

FOR MORE INFORMATION:

www.bertschi.org/who-we-are/our-campus/science-wing

Designed by KMD Architect's Restorative Design Collective, services offered pro bono
Completes the 2003 campus master plan



LIVING BUILDING CHALLENGE

- Certified "Living" April 10, 2013
- One of the first projects in the world to pursue the Living Building Challenge v2.0 criteria and the first to achieve it.
- Fourth full petal certified Living Building in the world and the first in Washington State.
- First certified Living Building on an urban site and incorporating the v2.0 requirement for urban agriculture.

EQUITY AND BEAUTY

- "Right-sized" building for the site with ample light and views
- Cooperative and integrated design process involving design team and school community
- Biophilic elements throughout with organic forms, natural light and air, and indoor/outdoor spaces
- Art objects that are teaching elements including cast salmon, beetles, kelp forms, and manhole covers depicting the structure of an eyeball and the water cycle.

SUSTAINABLE ELEMENTS

- Net-zero energy: solar power from 20 kilowatt PV system
- Net-zero water: rainwater harvesting, green roof, rain garden, composting toilet, potable water treatment system and interior green wall to treat grey water
- Ethnobotanical garden which features native and drought tolerant plants that produce edible fruit and craft materials.
- FSC Certified wood throughout
- Red List compliant materials from local sources

A LEARNING TOOL

- All sustainable features, including monitoring equipment, are accessible and used by students.
- The Runnel and other water flow elements teach students about the water cycle.
- Garden plants enhance the study of botany and anthropology and may also be harvested for art projects.
- The Composting Toilet requires very little water and is not connected to the city sewer system.
- This facility is a learning tool for Bertschi and the greater community.

