

**Architect:**

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**Owner:**

Waldorf Schools

**Project Cost:**

n/a

**Square Footage:**

n/a

**Cost per Square Foot:**

n/a

**Completion Date:**

design phase

**Project Consultants:**

n/a



**Project Description:**

The Charlottesville Waldorf School's goal is to be the 'Greenest School in America.' The design team has adopted the U.S. Green Building Council's Leadership in Energy and Environmental Design (USGBC-LEED) rating system to provide the methodology to achieve this goal. Perhaps more ambitious than achieving the LEED's highest platinum designation is the Waldorf School's intention to pursue a site and building design beyond LEED platinum certification. That is, the Charlottesville Waldorf School seeks not only to minimize the negative and destructive effects of building upon a site but also to generate a positive net gain (i.e. energy reuse, air and water cleansing, food production, etc.) for the site and surrounding community.

**Green Features:**

- Locally produced straw bale used for insulation and sound-proofing
- Use of rammed-earth excavated from or nearby the site for thermal mass
- The building is orientated in order to take full advantage of passive solar heat gain
- Along with water conserving technologies, the building will utilize water reclamation and treatment technologies
- Use of recycled, sustainably produced, and non-toxic construction materials
- Topographically-sensitive orientation of building and infrastructure
- Site design to utilize bioretention strategies
- Natural daylighting design, coupled with above-mentioned passive solar design, will cut energy use significantly
- Use of geothermal heating and cooling

