

## **FRIDAY EDUCATION SEGMENTS**

Bozeman Public Library, Large conference Room  
January 22, 2010

### **LEED v3 Presentation, 3:45pm – 4:45pm**

Presenter: Kath Williams, KW+A

#### Description:

The LEED v3 update will provide an overview of the US Green Building Council, a detailed update on the most recent version of LEED, LEED v3, and an outline of new requirements and processes for LEED professional accreditation.

#### Learning Objectives:

- a. In-depth look at USGBC: strategic goals, organizational structure, history, guiding principles, and current economic and environmental situation with regard to green building.
- b. Detailed update on LEED v3, including the LEED 2009 rating system, LEED online, changes and updates to the rating system, and regionalization efforts in LEED.
- c. Overview of new requirements through USGBC and GBCI, Green Building Certification Institute, for LEED professional accreditation: levels of accreditation, new continuing education requirements, and credential maintenance program.

### **Green Building Case Study: Big Sky Health & Fitness Building 4:45pm – 5:30pm**

Presenters: Philip Kedrowski, Redleaf Construction  
Daryl Nourse, Reid Smith Architects  
Josh Greene, Greene Construction of Big Sky

#### Description:

In this course, the Architect, Engineer, and Contractor will present a general overview of the project from strategic design through construction and LEED Gold Certification. The Big Sky Health and Fitness Building is located in the Meadow Village Center of Big Sky, MT. It is a two story 11,500 square foot mixed use commercial building housing an exercise gym, physical therapy office, massage therapy studio, and commercial offices. Throughout the project the "green" components needed to be justified financially. As a result, the project strategies included mechanical system upgrades, intelligent building geometry, building envelope upgrades, efficient lighting, and a whole-building control system. The design team identified these areas as building upgrades that would provide a low recurring operating cost with a justifiable initial investment.

#### Learning Objectives:

- a. Innovative and financially smart green building strategies
- b. Insight into the LEED certification process
- c. Live-in commissioning, lessons learned.

### **Residential Straw Bale Design & Construction 5:30pm – 6:15pm**

Presenter: Mark Jensen, Construction Program Director, Red Feather Development Group

#### Course Description:

Mark Jensen works for Red Feather Development Group, a non-profit housing organization based in Bozeman, MT. Red Feather addresses the severe housing crisis American Indian's face day to day on their reservations by partnering with tribal communities to build straw bale homes along side community members, volunteers from around the country, and the recipient families. He will discuss the history and evolution of bale construction; benefits of straw bale construction; testing, ratings and codes; FAQ's; and talk about his current efforts to build his own straw bale home within the city limits of Bozeman.

#### Learning Objectives:

- a. Understand the background and advantages of using straw bale construction.
- b. Learn how straw bale construction integrates with today's building codes.
- c. Case study of a straw bale home designed and breaking ground in Bozeman.