

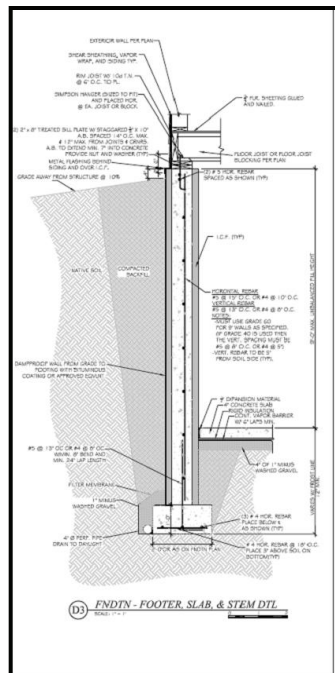


## Mission

We strive to create high quality, timely, environmentally conscious and cost-effective engineering solutions.

## Structural Services

- Retaining Wall Design
- Foundation Design
- Beam/Column Sizing
- Seismic Evaluation
- Snow Load Calculations
- Water Structures
- Steel Detailing



**Basement Wall Detail**

## Facilities

The Redleaf Consulting, PLLC office is located on the 2nd floor of the Health and Fitness Building in Big Sky, MT. This building was recently completed and awarded LEED Gold Certification! Redleaf



Consulting, PLLC performed the whole building energy simulation and the Heating, Ventilation, and Air Conditioning design for this building. Heating and cooling are provided via ground source heat pumps that capture free energy from the Big Sky Sewer and Water District treatment plant ponds. The simulations show that this building's energy cost/consumption is 45.8% less annually than a standard baseline building! Please stop by anytime and we'd be happy to give you a tour.



**Redleaf Consulting, PLLC**

32 Market Place, Ste 4  
P.O. Box 161085  
Big Sky, MT 59716-1085

Phone: 406-995-2996  
Fax: 800-521-4840  
E-mail: philipk@redleaf-consulting.com  
www.redleaf-consulting.com

## ► Structural Engineering Design Services



**Before**



**After**



**Tel: 406-995-2996**



# Structural Engineering Design Services

## Concrete & CMU



Stepped  
Foundation Design

**Redleaf** licensed Professional Engineering (PE) has experience performing concrete and Concrete Masonry Unit (CMU) designs for a variety of applications. These applications include foundations, retaining walls, fire places, underground mechanical vaults, and storm water/irrigation structure designs, etc.



Concrete Point of Diversion Structure  
West Boulder River, MT

## Wood

**Redleaf** performs structural wood design for solid sawn lumber, manufactured wood products, reclaimed woods, rough cut timbers and timber framing. Redleaf has served as the structural engineer of record for numerous residential and commercial projects. The projects include both new construction and remodel construction.



Breezeway Structure

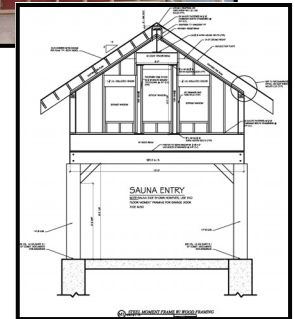


**Proud Member**  
Structural Engineers Association  
Montana Chapter

## Steel



Combination Steel  
and Wood Framing



**Redleaf** offers structural steel design and drafting services. Redleaf can provide complete "shop drawings" for steel fabrication and erection.

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