

# Green, Sustainable, and High-Performance Design Considerations

## Site Considerations

- Solar orientation and modeling
- Low impact site design
- Runoff mitigation
- 3D building on-site modeling

## Building Design

- Building envelope design and energy analysis
- Passive solar design and modeling
- Efficient task lighting
- Day-lighting design and modeling

## Materials and Products Selection

- Non-toxic material selection
- Material and product life cycle analysis
- Indoor air quality
- Use of local and reclaimed material

## Systems Analysis and Coordination

Analysis and coordination of building and site systems design, including:

- High efficiency heating,
- Ventilating and cooling
- Water supply, storage and purification
- Low impact septic systems
- Grey water systems
- Cost benefit analysis for solar thermal and solar electric systems