

Sustainable Lakeshore Cottage

Laketown Township, Michigan



green elements

data

- new construction of sustainable cottage
- projected completion: August 2009
- general contractor: Scott Christopher Homes
- 2100 finished square feet

distinction

- registered LEED for Homes project
- targeted for LEED Silver certification

- cottage is landscaped entirely with native plants and no turf - requiring no irrigation
- 100% permeable lot - no concrete or asphalt was used
- water runoff is completely managed on-site
- highly insulated with minimum envelope leakage
- designed with high-efficiency HVAC systems
- incorporates energy efficient lighting solutions & daylighting
- designed to utilize passive cooling methods
- design minimizes site disturbances of existing wooded lot
- project created using sustainable materials



floor plan



3-D model looking northeast



early concept sketch looking southwest

summary

Nestled in a private wooded area, this cottage was created to be a simple yet eclectic retreat. Four bedrooms fit comfortably inside this compact design of only 2,100 square feet. Designed to feel like a cottage, a spacious wrap around porch provides an additional space for entertaining and relaxing. In addition to creating a family getaway, the owners of the cottage were interested in creating an environmentally friendly space. Through the building of this project, the owners hope to encourage “green” building techniques, and display the ease and affordability of sustainable projects.