



**SUNTERRA
HOMES, INC.**



**COLD CLIMATE
CUSTOM HOME**

Sunterra Homes, Inc., of Bend, Oregon, has been operating for 26 years and constructs between seven and ten homes per year. This 2,217-square-foot home was built for \$100 per square foot, excluding land.

The home features low-e, gas-filled windows configured for passive solar design—windows on the south wall have a high solar heat gain coefficient while all other windows have a low solar heat gain coefficient. An innovative wall system provides an R-30 wall while R-49 insulation is blown into the flat ceiling area and a combination of high-density batt insulation and foam achieves R-42 in the cathedral ceilings. The builder pays careful attention to air sealing, with fresh air delivered via a heat recovery ventilation system. Radiant-floor heating is used on the first floor, and all ductwork, which supplies the second floor only, is sealed with mastic. A water-source heat pump equipped with a desuperheater for collecting waste heat provides efficient heating, cooling, and hot water. ENERGY STAR appliances complete the energy package. The builder participates in the Super Good Cents and Portland General Electric's Earth Advantage programs.

Sunterra Homes, Inc., would like to thank the following companies: Harmon Schell of Action Earth Movers; Michael Payne of Michael Payne Insulation; Advanced Heating; Bend Glass and Mirror; Todd Springer of B & M Construction; Randy Reed of Color Tile; Mike Curry of Mike Curry Electric; Gary Case of Oregon Truss; and Glenn Waer, Duane Woik, and Randy Hansell of the Earth Advantage Program.