

BUILDING IDEAS ARCHITECTURE

Nashville, Tennessee



The name of David Baird and Marcelle Guilbeau's firm is indicative of what they specialize in: not just designing environmentally sustainable buildings, but also shepherding the ideas into reality. Architect partner David and interior design partner Marcelle have been using their infinite supply of creativity to harness alternative sources of energy since long before they established Building Ideas in 2007. With the help of virtual 3-D modeling, they create architecture that is not just beautiful in form, but also truly integrated with its energy systems. A prime example of integrated design can be found in the Routon Residence. The owners of the private dwelling desired a home that used as little energy as possible through cutting-edge systems technology, yet still blended seamlessly

“We have an infinite supply of creativity, the capacity to create ways to harness alternative sources of energy. Architects can lead society in sustainability by crafting buildings that utilize these sources, buildings that can even produce their own energy.”

>>David Baird and Marcelle Guilbeau

into the surrounding landscape. Solar orientation, daylighting, natural ventilation, and super-insulation combined with geothermal temperature control and solar photovoltaics will significantly reduce the Routon Residence energy consumption. With energy bills projected to be only a third of the average home's, the Routon family will not only recoup their investment in less than 10 years, but after that will actually make money.

ABOVE & FACING PAGE: The Routon Residence, registered to be LEED certified, was visualized through 3D modeling as an integral part of the design process. Renderings courtesy of Building Ideas Architecture

