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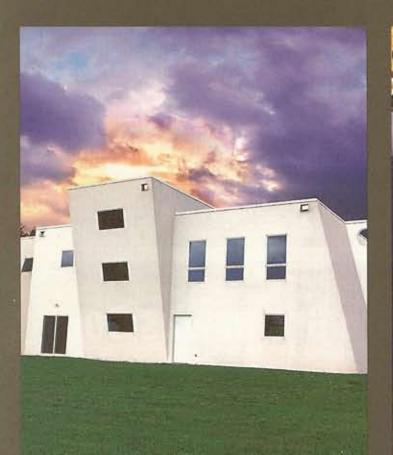
THE PREMIER SOURCE FOR INTEGRATED HIGH-PERFORMANCE BUILDING

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THE LEED RATING SYSTEM

PARTING SHOT

Style and Sensibility BY DERRICK TEAL, ED+C ASSOCIATE EDITOR





The desire for a unique home design is an firms advertise custom home designs, and plans for "unique" home designs are readily available via a quick search on the Internet. But how truly unique are these homes that can be found by anyone who types in the right keywords? Furthermore, what sustainable efforts are put into the homes?

the end, however, he decided that all the inspiration needed to come from within. Picking up a pencil and paper, Black set

"I sketched various forms from organic styles and interconnected cubes to pyramidal shapes," says Black. "When I decided on leaning walls, everything just flowed intuitively. I didn't set out to design something totally unlike anything else. I just had so

Heating and cooling is a large part of a that end, windows were strategically located to allow for maximum heat gain during the winter and prevent heat loss. The central angled wall on the south side of the house prevents all summer solar gain.

The house was well insulated to reduce the amount of heat the solar-powered radiant heating system needed to produce. Thermal mass was added by incorporating skip-trow-

continuous vapor barrier prevents air infil-tration to further reduce heating costs, and an air-to-air heat exchanger supplies the home with fresh air.

the radiant heating is diverted to a shunt loop buried outside in order to disperse the unneeded heat. This could even be run

for the home also help supply heat for the potable hot water supply. Instead of 45 degrees Fahrenheit, water sent to the hot water heater enters at 100 degrees. It's also clothes washer and energy-efficient Gag-genau dishwasher.

ment. Black says there was never any ques-

mentally friendly.

Derrick Teal is associate editor of Environthe editorial in Sustainable Home. E-mail