

# INTERIOR DESIGN<sup>®</sup>

DECEMBER  
2011

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GREEN





## DENNIS WEDLICK ARCHITECT

HOUSE, CLAVERACK, NEW YORK

**Like the mid-century** Houses of the Future, this state-of-the-art residence is all-electric. The energy bill, however, is expected to total just \$400 a year—a feat made possible by meeting standards set by Germany's Passivhaus Institut. "Our goal was no solar panels, no geothermal, no wind power," Dennis Wedlick says. "The house is very simple." Nevertheless, designing the 1,650-square-foot timber-frame structure required complex computer modeling. After receiving a grant from the state, Wedlick persuaded the Bill Stratton Building Company to take the project on. Most crucial for a passive house, Wedlick explains, is the enclosure. Accordingly, the team inserted 12 inches of insulation beneath the slab and used rigid structural insulation panels for the walls and ceiling.

Wedlick's practice has evolved as a result of the project. "We don't talk lightly about construction details anymore," he says. It changed Bill Stratton's life as well. He and his wife now live there. —*Meghan Edwards* ➤

ALAN BARLIS; BRIAN MARSH; JOE OLSON; ELAINE SANTOS: PROJECT TEAM.

