



# WinterGREEN



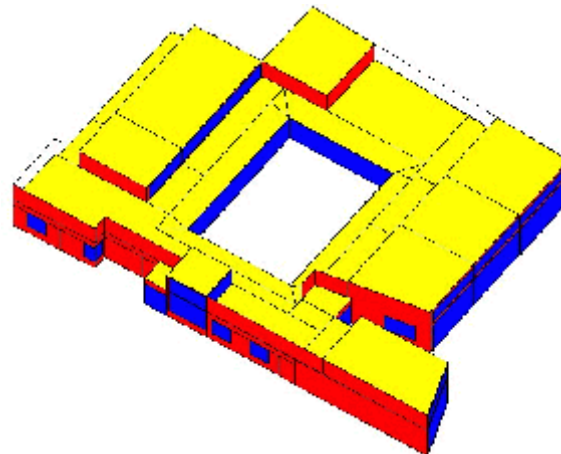
A BIMONTHLY UPDATE ON STEVEN WINTER ASSOCIATES, INC.'S WORK IN THE REALM OF ENERGY EFFICIENCY AND SUSTAINABLE BUILDINGS

Volume II, No. 5

February - March 2001

## ✦ Greening a Daycare Center

New York City's **Administration for Children's Development (ACD)** and the **Department of Design and Construction (DDC)** want to make the new Seabury Daycare Center in the Bronx an exemplary project. To that end, ACD and DDC are using the city's High Performance Building Guidelines (which Steven Winter Associates, Inc. helped develop) to make Seabury energy and resource efficient. ACD has also asked SWA to perform DOE-2 analysis of the building and to review and make recommendations for sustainable building materials and indoor-air quality related issues. Some of SWA's suggestions include natural linoleum for the floors; recycled carpet tile; recycled-content ceramic tile; low VOC paints, adhesives, and sealants; mineral-fiber ceiling tile with high recycled content and high light reflectance; and durable wood fiber ceiling tile. Seabury (designed by Brynes Kendall & Schieferdecker Architects) is a one-story building of 15,000 square feet with an interior courtyard and glazed



roof monitors to accentuate natural lighting strategies (as seen in the DOE-2 massing model by SWA at left). Under study now are ways to control artificial lighting through a variety of means: timers, motion sensors, and manual dimmers. The project should start construction this summer.

## ✦ Sustainable Modular Home Debuts at Builder's Show

**Champion Industries'** new Genesis modular home model, which was unveiled at the International Builder's Show in Atlanta in February, earned both an ENERGY STAR® and Earth Craft House™ designation. The project was supported by the **U.S. Department of Energy's Building America program**, and the **U.S. Department of Housing and Urban Development's PATH program**. Working closely with Champion's design team SWA helped create a package of green/sustainable product and material specifications, such as a high-efficiency clothes washer and dishwasher, upgraded sealing and caulking, quiet and efficient bath fans, engineered wood products, an in-plant waste management and recycling program, low-VOC paints, and combustion safety measures.

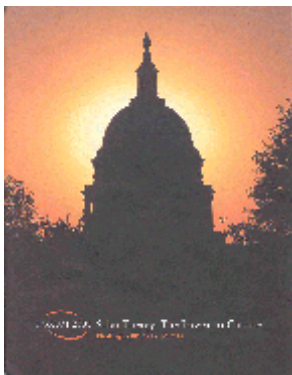


## In Search of High Performance Buildings

Do you have a commercial building that might be a good candidate for “high performance”? The **U.S. Department of Energy** is looking for commercial developments just starting design that might qualify as High Performance Buildings (HPB) demonstration projects. Under a HPB research initiative, SWA compiled a data base of existing high performance buildings (such as the Federal Reserve Bank of Minneapolis by HOK, pictured at right) and is providing technical support and expertise to DOE to help identify and consult to commercial building project teams. The project clients should be willing to incorporate high-performance strategies such as energy and water conservation, resource-efficient materials, indoor air quality, recycled waste programs, state-of-the-art HVAC systems, fuel cells, photovoltaics, or low-impact landscaping. SWA is currently consulting on three projects in different parts of the country: a public library in Chicago that plans to incorporate a green (grass) roof, recycled building materials, and extensive daylighting; a prototype office building for a major developer in Boston that will have reusable/recyclable interior materials and finishes, and advanced mechanical/electrical/plumbing systems with raised floor distribution; and a mixed use commercial/residential building on a site in Arizona that may incorporate PV panels, solar water heating, water harvesting, and a water-source heat pump system. For more information contact Mike Crosbie at SWA at [mcrosbie@swinter.com](mailto:mcrosbie@swinter.com).



## New Generation of Residential Guidelines



A decade ago, no one could have calculated the potential impact of the *Guidelines for Home Building* on the industry. Produced and distributed by the **Sustainable Buildings Industries Council** (which is managed by SWA), the *Guidelines* were written by a committee of SBIC members (with input from the National Association of Home Builders). The *Guidelines* include *Passive Solar Design Strategies*, a hands-on manual with information on building siting and orientation, efficient glazing and insulation, natural ventilation and passive solar strategies, among other energy conservation techniques. Also part of the *Guidelines* is a software program, “BuilderGuide,” which helps builders to compare strategies and calculate energy savings. The *Guidelines* have been used as the text in SBIC workshop training programs attended by more than 6,000 builders and architects. Now, a new version is about to be released by SBIC, and includes water conservation techniques and information on resource-efficient materials. The new *Guidelines* will debut at “Forum 2001 Solar Energy: The Power to Choose” in Washington, D.C. (brochure left), at a day-long workshop scheduled for April 21. You can register for the conference at [www.solarenergyforum.com](http://www.solarenergyforum.com). To obtain a copy of the new *Guidelines*, contact SBIC at [www.SBICouncil.org](http://www.SBICouncil.org).

WinterGREEN is published bimonthly by Steven Winter Associates, Inc., 50 Washington Street, Norwalk, CT 06854. SWA is solely responsible for content and cost of publication. If you prefer to receive WinterGREEN by email, or for further information contact Michael J. Crosbie at SWA, phone 203-857-0200, fax 203-852-0741, e-mail: [mcrosbie@swinter.com](mailto:mcrosbie@swinter.com). Visit us at [www.swinter.com](http://www.swinter.com).