

James Carr, AIA, brings to each project over sixteen years of professional experience spanning a unique range—including planning, design and construction-oversight of residential, commercial and educational buildings; green building design and renewable energy installations; green consulting to institutions, corporate clients, planners and architects; retail and restaurant design; and shop-fabrication of custom elements for his designs.

Recent projects include:

Net-zero energy housing design—Mass Development, Boston, MA.

Independent living home renovations—The Charles River Center, Needham, MA.

LEED EB certification consulting—The Princeton Club, New York City

LEED NC certification consulting—Diageo Corp. International, Virgin Islands

LEED Schools certification consulting—Greenwich Country Day School, CT

Green-building planning—Benchmark Assisted Living LLC.

54 kW rooftop solar array—The Charles River Center, Needham, MA

As one eight-year old girl wrote;

"I love the way the windows modify the trees, it soothes my day."

—Oak Grove Elementary School, Graton, CA

A LEED Accredited Professional since 2002, Mr. Carr develops a project's overall environmental strategy, can guide a project to LEED Certification, and is an expert in renewable energy installations. The practice's approach is tuned to environmental responsiveness—minimizing the need for costly mechanical systems, and creating true sustainability.

Mr. Carr has consulted on green building strategies for numerous clients, including architects, The Green Roundtable, the Heller School of Management at Brandeis University, the Princeton Club of New York, Diageo, LLC, and others. The 54 kW solar electric installation he designed at the Charles River Center in Needham is the third largest in Massachusetts.

At the noted educational facilities architecture firm of Flansburgh Architects (prior to 2004) Mr. Carr led the green-building initiative for the 92,000SF William F. Stanley Elementary School in Waltham—the first LEED Silver Certified school building in Massachusetts. The design maximizes day-lighting in classrooms and corridors, saves energy through efficiency measures, reduces heat gain through its solar orientation, reduces adverse effects on adjacent wetlands through "green" storm-water management, and improves Indoor Air Quality through materials selection, quality ventilation and operable windows.

A 17kW solar-electric array and a renewable-energy learning station are also key features. Mr. Carr oversaw participation of the project in the state's Green Schools Pilot Program, and wrote and coordinated a half-million dollar grant for greening and renewable energy. (Out of a total of ten schools in the pilot program, three had proposals prepared or coordinated by Mr. Carr.) As co-Chair of the Greening Committee, he carried out an extensive in-house education program and developed sustainability standards for Flansburgh (at the time the largest architectural firm in Massachusetts), including environmentally preferable in-house purchasing, recycling, environmentally sound project procedures, specifications and design standards, and the manual *How to Green a School* for use by the firm and its clients.

Teaching and Presentations:

- Presenter—*Solar Design, Carbon Cafe, Brookline Climate Action Fair, 2008.*
- Guest speaker—2002-08, Brandeis University, Environmental Studies Department.
- Thesis Critic—Boston Architectural College
- Faculty—*Greening of Educational Facilities—Lorman Educational Services.*
- Panelist—*BSA Build Boston, Greening Your Firm, Greening Your Practice.*
- Panelist—*North East Sustainable Energy Association annual conference.*
- Panelist—*EnviroExpo Conference—Green Buildings in Construction.*
- Co-author—*Coalition for High Performance Schools (CHPS) Best Practices Manual and Design Guide, Massachusetts Version. ©2002.*

Academic Honors and Awards:

- *Certificate of Achievement – Aga Khan Program for Islamic Architecture at MIT, 1994*
- *The AIA/AAF Scholarship for Professional Degree Candidates, 1993*

Education:

James Carr graduated from MIT in 1994 with a Master of Architecture. He wrote his thesis on "Collaborative Process and the Transformation of the Urban Environment." He received his B.A. from Columbia University in 1986.

Mr. Carr is a co-author of the Coalition for High Performance Schools (CHPS) Best Practices Manual and Design Guide, Massachusetts Version. ©2002. This comprehensive guide to making a "green," high performance school includes an extensive technical manual covering every aspect of high performance schools, from site and ground-water issues, to materials selection, to ventilation and lighting.

Prior to starting his own practice, Mr. Carr was Project Architect and co-chair of the Green Team at Flansburgh. Between 1994 and 1999, in San Francisco, Mr. Carr worked at several top design firms, where as Project Architect his experience included all phases of design for both urban and rural school buildings. At the San Francisco firm of Bowles, Kendrick & Lemanski, Architects he was Project Architect for the Sandee Turner Library and Classroom Building at the Oak Grove Elementary School. This new building is sited adjacent to the grove of massive oak trees that give the school its name. Preservation of these trees was both an important requirement of and an inspiration to the design. Careful measures were taken to prevent harm to the trees. The building opens up towards the trees, with "tree-shaped" windows, maximizing both natural light in the building and views of the trees.

Mr. Carr has also worked on large-scale urban design and public greenways and parks at the nationally-recognized firms of Hargreaves Associates, and Carr, Lynch & Sandell. He co-founded an organization, *218 Trees*, to preserve and enhance an unprotected parcel of waterfront open space—seeing success in 2002, when it was dedicated by the City as *Ferry Park*. He also served on the Parks and Open Space Circle of Sustainable San Francisco, a city planning project for a Sustainability Master Plan.

Each client works directly with Mr. Carr from start to finish, from concept to details. Large projects as well as small ones are handled with the same focus on detail and teamwork. Mr. Carr works collaboratively with trusted consultants and forms strategic teams with specialized experts to bring clients the added benefit of focussed skills to match project requirements.