



Green School Building
New Construction

Pine Jog Elementary and the Florida Atlantic University Environmental Education Center, *West Palm Beach, Florida*

Zyscovich, Inc.

ZYSCOVICH, INC.

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DESIGN TEAM

Jose Murguido, AIA,
Principal-in-Charge
Michael McGuinn, LEED AP,
Project Manager
Michael Ehrling, RA,
Architectural Designer
Joe Benesh, Assoc. AIA,
CSI-CDT, LEED AP
Project Architect

OWNER/CLIENT

The School District of Palm Beach County
West Palm Beach, FL
Gene Colson, 561/649-6812
Type of School and Grades Served:
University/Higher Learning and Elementary, Pre K-5, Post-secondary & Community or Public Use
Capacity: 960 students (Elementary); 80 students (EEC)
Size of Site: 20 acres including a 5-acre conservation tract
Area of Building:
128,291 square feet (Elementary),
17,105 square feet (EEC)
Volume of Building:
1,317,097 cubic feet*
Space per Student:
134 square feet (Elementary);
213 square feet (EEC)
Cost per Student: \$25,000 (Elementary); \$75,000 (EEC)
Square Foot Cost: \$187 (Elementary); \$233 (EEC);
Cost of Construction: \$28 million*
Total Project Cost: \$30 million*
Contract Date: 2006
Completion Date: 2008
Percent of Completion: 65%

*Combined Data



FLORIDA ATLANTIC UNIVERSITY (FAU) PINE JOG ENVIRONMENTAL EDUCATION CENTER

The School District of Palm Beach County and Florida Atlantic University (FAU) are pioneering a new direction for high-performance schools in Florida. Their mission is to inspire and excite county residents to create a sustainable future, promoting our role as responsible citizens in safeguarding the planet's natural resources. The 20-acre site, five acres of which are dedicated as a conservation tract, is located within a 150-acre pineland preserve, serving as an outdoor classroom. The curriculum combines traditional education with comprehensive ecological awareness by synergizing the programs of the two adjacent facilities, building systems, and design features.

The FAU/Pine Jog Environmental Education Center will offer university environmental education courses through its College



FAU: DISCOVERY PORCH

of Education, utilizing these student teaching opportunities at the K through 5 elementary school with the intention of training teachers who can intern, relocate to other schools and districts, and carry the message of high-performance green facilities and environmental stewardship around the country.

The regenerative site design creates opportunities to make use of the entire preserve with planned learning in and

around the structures that bring the outdoors inside. Learning areas include butterfly gardens, water-reuse demonstration areas, habitat and tree preservation zones, native pineland landscape, wildlife habitats, stormwater collection and conservation areas, soil composting, and an interactive sundial. The Solar Plaza combines solar technologies (photovoltaics and hot water) for students to see on roof canopies, and monitor with

PHOTOS: ZYSCOVICH, INC.



PINE JOG: MEDIA CENTER



PINE JOG: CAFETORIUM



PINE JOG: SOLAR PLAZA OUTDOOR LEARNING ENVIRONMENT



PINE JOG ELEMENTARY SCHOOL

computers. Biological life cycle study areas allow the buildings to become teaching tools.

Signage explains the building's LEED features, which include preferred alternative-fuel and carpool parking; water-efficient plumbing and waterless urinals; student recycling stations and the use of recycled and locally available construction materials; highly efficient and visible mechanical equipment; and polished concrete floors at high-use areas. Visitors to the Environmental Education Center will be able to tour the school grounds, participate in site stewardship activities, and learn from the interactive displays associated with each of the buildings' renewable energy systems. ■