

This is Google's cache of http://archrecord.construction.com/yb/ar/article.aspx?story_id=158299415. It is a snapshot of the page as it appeared on May 15, 2011 03:28:06 GMT. The [current page](#) could have changed in the meantime. [Learn more](#)

These search terms are highlighted: **memphis architect pushes energy efficient building practices architectural record**

[Text-only version](#)



The power to do more

BIM and the High-Performance Graphics Workstation

Learn how high-performance graphics workstations go way beyond your standard PC. An increasingly mobile workforce depends on the power, flexibility...

Download

[home](#)

[subscribe](#)

[free e-newsletter](#)

[reader service](#)

[widget](#)

[advertise](#)

McGraw_Hill
CONSTRUCTION

ARCHITECTURAL RECORD

Subscribe to **Architectural Record**
and save 60% off the newsstand price

Search our site:



[NEWS](#) [PROJECTS](#) [RESIDENTIAL](#) [FEATURES](#) [VIDEO](#) [EMERGING](#) [PRACTICE](#) [ARCHITECTS](#) [PRODUCTS](#) [COMMUNITY](#) [GREEN](#) [TECH](#) [CEU](#) [RESOURCES](#)

Daily Headlines

This story was not reported, edited or fact-checked by AR editors.

[View all news wire headlines »](#)

Memphis Architect Pushes Energy-Efficient Building Practices

04/21/2011

Commercial Appeal, The

Text size: **A**

By Greg Belz

Architect John Pruet has received a lot of ink lately with public officials touting his designs for the soon to be developed Memphis Bioworks Hotel, as well as the \$2 million in federal grant monies those designs helped attract to the project.

Meanwhile, the architect is following up on the success of another green building in another arena: the city's schools.

"We've proven the model," Pruet declared proudly, referring to building practices he'd advocated to cut energy costs for the Memphis City Schools system during the first phase of a redevelopment project managed by his firm, John Pruet Architects Inc.

The model is Fairview Middle School, a 1930 monument to the Art Deco style that is listed on the National Register of Historic Places.

It sits at the corner of East Parkway and Central Avenue.

John Pruet Architects worked with Memphis City Schools' top administrators to update both the energy efficiency and appearance of the building. Because of Fairview's historic status, Pruet was able to persuade the school system to try new materials for aesthetic considerations. Improvements to the structure's facade were immediately apparent, but the pudding that would prove that these materials could contribute to greater energy savings needed some time to set.

The wait proved the architect's theory correct. The Energy Star Ratings formula developed jointly by the Department of Energy (DOE) and Environmental Protection Agency (EPA), to calculate the impact of building improvements upon energy consumption, yielded stellar results for the Fairview rehab. Following Pruet's alterations, Fairview's Energy Star Rating jumped from 25.9 to 40: an improvement of 14.1 points.

More tangibly, overall energy usage at Fairview dropped by 12 percent.

In this first phase of the Fairview refitting, Pruet focused primarily on windows, replacing the building's original steel frame single-glazed windows with insulated glazing in thermally improved aluminum frames that duplicated the original, historic window configurations.

The glazing methods and materials Pruet had suggested also provided savings over the products and technologies the school system had previously been using to upgrade the efficiency of older buildings.

To illustrate the significance of the energy savings at Fairview City Schools, project facilitator Anthony Wright selected another school modified according to the standards employed prior to Pruet's involvement. Wright opted to compare the efficiency and savings achieved at Fairview to those realized at Sherwood Middle School through the installation of window replacement products the school system had used pre-Pruet - while no two buildings are the same, in terms of the number of square feet and number of stories, Sherwood (ca. 1957) and Fairview (ca. 1930) are comparable.

Energy Star ranked the increased efficiency achieved through installing Lexan windows at Sherwood at 13 points; there was also a decrease in energy consumption of 11 percent at Sherwood. So, Fairview's 14.1 point Energy Star ranking increase and 12 percent decrease in energy consumption offer one benchmark of the advantages that could be achieved through using the products advocated by Pruet.

While the differences may not seem dramatic at first glance, multiplied by the number of square feet that the

— Advertising —

FIND BUILDING MATERIALS IN SWEETS

McGraw_Hill
CONSTRUCTION **Sweets Network**

AR SELECTS: NEWS BLOGS

[View all News Blogs](#)

READER FEEDBACK

Most Commented

Most Recommended

Rankings reflect comments made in the past 14 days

NEWS NOTEBOOK: RECENT BLOG POSTS



Dispatches from RECORD's news editor,
Jenna M. McKnight

[View all blog posts](#)

AIA ARCHITECTURE BILLING INDEX

school system must heat and cool (and considering the compounding of these figures over time) they prove that the school system's universal adoption of Pruetts' proposals would yield significant savings.

Based upon his success with windows, Pruetts has been green- lighted to begin the second phase of improvements he has advocated for Fairview. These consist of a total interior renovation of the school utilizing sustainable design techniques and materials.

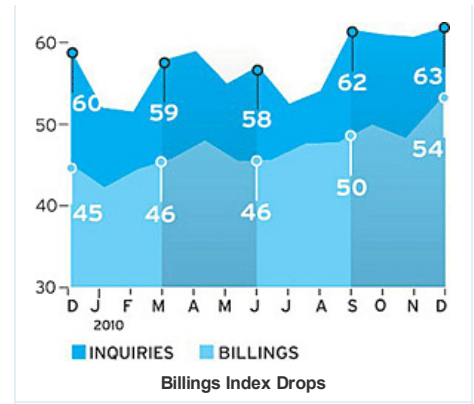
Greg Belz is a public relations consultant for Memphis City Beautiful.

Originally published by Greg Belz Special to My Life .

(c) 2011 Commercial Appeal, The. Provided by ProQuest LLC. All rights Reserved.

A service of YellowBrix, Inc.

By utilizing the content on this page, you agree to the [legal terms](#).




Recent Forum Discussions


[View all forum discussions](#)

--- Advertising ---

Free White Papers

[BIM and the High-Performance Graphics Workstation:](#)  The power to do more

[Email Archiving Top 10 myths & challenges:](#) 

[Business Intelligence: 5 Things to Watch for in 2010:](#)  **FOCUS**
MORE WHITE PAPERS

ARCHITECTURAL RECORD IN PRINT



- » [Subscribe to Architectural Record](#)
- » [Manage your print subscription](#)
- » [Order Additional Copies and Back Issues](#)

Marketplace Links

Project Management Certificate
Advance Your Career with Project Management. Save \$1000 plus FREE PMP Exam Prep!

Building Cost Estimating
Quickly estimate the cost to build any building any where, any time. LEARN MORE!

#1 Cost Modeling Software Using Real Buildings as a Benchmark
D4COST is the #1 Software for Reliable Conceptual Square Foot Cost Estimates. LEARN More!

[Buy a link now >>](#)



[website support](#) | [editorial calendar](#) | [contact the staff](#) | [about us](#) | [submissions](#) | [site map](#) | [back issues](#) | [advertise](#) | [terms of use](#) | [privacy notice](#) | [my account](#)

© 2011 The McGraw-Hill Companies, Inc. All Rights Reserved