



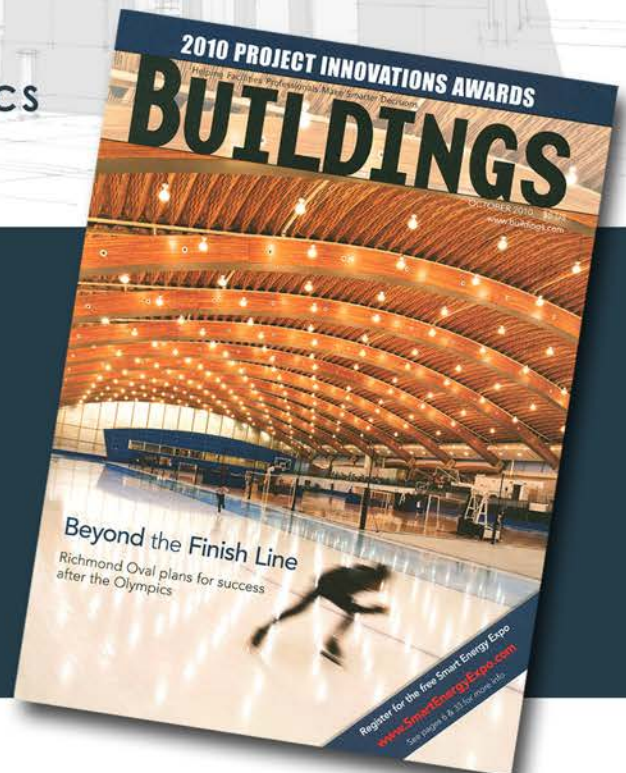
LEED GOLD

Market District Robinson Township was named a "Finalist in New Construction" from Buildings Magazine annual "Project Innovations" contest. The project was submitted for the use of large fans manufactured by Big Ass Fans. The store has a 40-foot high atrium ceiling. The height of the atrium required special attention to make the store's indoor temperature comfortable for customers. Open-air refrigerators that line the store's walls create a cooling effect. The Great Hall was in need of significant thermal destratification. The "big" 12-foot fans that were installed in the ceiling provide a gradual, gentle air movement.



ARCHITECTURE | INTERIORS | GRAPHICS

TAKING A LOOK AT
GIANT EAGLE
MARKET DISTRICT
A FINALIST IN
NEW CONSTRUCTION



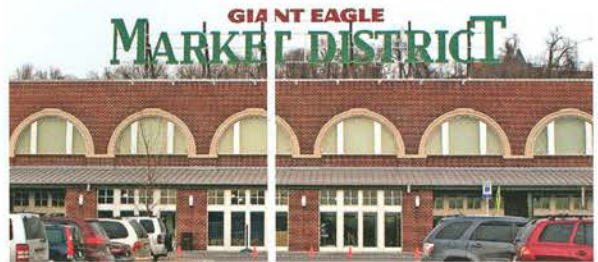
Vaulted Ceiling Builds Store's Brand

Exposed beams in the atrium use recycled steel

FINALIST

Giant Eagle Grocery

CATEGORY: NEW CONSTRUCTION



One of the nation's largest food retailers and distributors, Giant Eagle operates many stores, but its Market District brand store in Robinson, PA, has distinctive features.

The 165,000-square-foot center is larger than most Giant Eagle stores, which typically have 90,000 to 100,000 square feet. The Robinson store also has a 40-foot high atrium capped with a ceiling consisting of 22,000 square feet of 24-gauge galvanized steel.

While eye-catching, the height of the atrium required some special attention to make the store's indoor temperature comfortable for customers. Open-air produce refrigerators that line the store's walls create a potentially uncomfortable cooling effect, according to Brad Morris, Giant Eagle's manager of engineering. As a result, the atrium, which is known as the Great Hall, was in need of significant thermal destratification. The height of the ceiling vault increased the

ALL PHOTOS COURTESY OF BIG ASS FANS



FINALIST

Unlike smaller Market District stores, the format of the 165,000 square-foot Market District store in Robinson, PA, resembles a supercenter.

temperature stratification.

Morris says that the initial plan was to install a number of small ceiling fans to throw warm air down to the occupied level. However, concerns about the fans' ability to handle the volume yet avoid uncomfortable drafts led to the use of just two, large-diameter, low-speed fans. The 12-foot units supplied by Big Ass Fans provide more gradual, gentle air movement.

Sustainable Features

Among the sustainable features supporting the facility's application for LEED Silver certification is the use of recycled steel. The steel was recycled from regional and national mills and used prevalently in the exposed beams that support the atrium structure.

The Market District line of stores woos upscale shoppers with Wi-Fi, Churrasco-style foods, a kosher deli, a smoothie bar and other options not offered at other Giant Eagle locations. ■

PROJECT TEAM

(partial list)

ARCHITECT: PIEPER O'BRIEN HERR ARCHITECTS

LEED ARCHITECT: EVOLVE ENVIRONMENT ARCHITECTURE
MECHANICAL, ELECTRICAL, PLUMBING: MCHENRY & ASSOCIATES

LIGHTING DESIGNER: HILBISH MCGEE LIGHTING DESIGN

STRUCTURAL ENGINEERS: TAYLOR STRUCTURAL ENGINEERING

CONSTRUCTION: CONSTRUCTION BUILDING SYSTEMS



MARKET DISTRICT



LEED GOLD

The Market District store in Pittsburgh is one of the largest grocery stores in the country and recently received **LEED** Gold certification. Among some of the sustainable features in this building are the use of recycled steel, low VOC paints, certified wood products, highly efficient plumbing fixtures and large amount of natural daylight. This project is registered under the **LEED** green building certification program through the United States Green Building Council. The difficult to obtain **LEED** Gold certification was achieved through the grocery store's high performance design.

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