



what's the big idea?

commercial
residential
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Enterprise Electric Provides More than Electrical Service for New Parma High School Gymnasium

Situation

Parma High School is building a new 13,300 square foot gymnasium. The project is federally-funded, with Davis-Bacon wage rates prevailing (the Davis-Bacon Act requires workers on a federal construction project to be paid no less than the locally prevailing wages and benefits paid on similar projects). The general contractor, Beniton Construction, sought bids from area contractors with expertise in a number of areas.

Challenge

To keep operational costs as low as possible for the school, the new gymnasium's design calls for energy efficient lighting solutions. In addition, the project requires phone and data cabling for phone communications, public announcement (PA) system and computer networks (including a Wi-Fi network), wiring for the gymnasium's scoreboard/time clock, and a fire alarm.

Solution

Enterprise Electric won the competitive bid and a team of six Enterprise Electric electricians is assigned to work on the project.

To satisfy the requirement for energy-efficient lighting, Enterprise Electric is installing advanced T8 fluorescent fixtures with electronic ballast and high-efficiency lamps. In addition, a Lutron® lighting control system is being installed. The Lutron system ensures that lights are automatically turned off when space is not occupied. At the same time, it allows teachers and staff to finely control lighting levels based on the types of activities taking place in the multi-use space.

The combination of these elements are expected to **reduce energy usage by up to 50%** (compared to installing less efficient lighting systems without lighting controls), greatly reducing lifetime costs for the school.

While installing the wiring for the lighting and wall outlets, Enterprise Electric is also stringing cabling for the phone system, PA system, scoreboard/time clock and a computer network, which includes a Wi-Fi network (data subcontractor is Horizon Communications).

The final aspect of the project involves the installation of wiring for the fire alarm system, so that the alarm system contractor, Audio Electronics, can deploy the IDO Electronics alarm system.

When the project is completed in late 2010, the students and families of Parma will have a safe, energy-efficient new gymnasium that can accommodate a broad range of athletic and educational activities.

To learn more, please email Brad Hoots at brad@enterpri-seelectricboise.com or phone 208-344-0441.