

Members of Team

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Brittany Weathers, Adrian Russell and Don Gowdy discuss the room layout of the Titan Hotel.

Titan Hotel

Objective

To create an elegant 150-room boutique hotel for downtown Indianapolis that could be designed, built and fitted out for \$25 million.

Solutions

A team of Arsenal Technical High School students prepared detailed plans and budget-conscious estimates for a feature-packed hotel that would appeal to sophisticated travelers. The team designed the hotel with a spacious two-story lobby and six floors of guest rooms and suites, each furnished with 42-inch plasma TVs, wi-fi service and other amenities. Students also designed the building facade and room layouts as well as the heating, air conditioning, ventilation, water and sewer, electrical and other systems. Landscaping and drainage plans reflected the site's size, traffic flow and grading. Despite the many upscale features, per-room cost estimates came in just below the mid-range figure for U.S. hotels.

Skills Acquired

Architects, engineers and construction experts mentored the Arsenal team by teaching students about the design, budgetary and other aspects of a major construction project. They also introduced students to the computerized tools and problem-solving procedures industry professionals use every day. And during tours of some of the area's top architectural and engineering firms, students got a real-world look at industry working environments and technology applications. The result was increased awareness of the creativity, expertise and skill needed to translate a building owner's vision into a workable design.

Team Mentor

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