

Shepherd University Wellness Center

Shepherdstown, West Virginia

Architecture

The multi-function university facility provides a balanced recreational program through three key elements: the fitness zone, a pool area, and a multi-function gymnasium. The building contains open spaces adjacent to a large rotunda that promotes circulation and openness.

Lighting

The majority of the general ambient light is provided by linear fluorescent recessed luminaires. Metal halide sources are used to illuminate the gymnasium and pool area. The rotunda incorporates linear fluorescent, metal halide, and xenon lamps to highlight the curved architectural features.

Electrical

Primary service is provided by Alleghany Power. The system is comprised of 2500A, 480Y/277V, 3 phase, 4 wire, and 60 Hertz. An emergency propane fired generator provides 75kW. The main switchboard is sized for 2500A.

Mechanical

The system consists of six rooftop units, two energy recovery rooftop units, and two pool dehumidification units. A variable air volume system allows for control of temperature zones.

Structural

Steel frame construction with lateral bracing. Floor system consists of two different types of composite decking, one shored and one unshored, both with a total thickness of six and a half inches. Decking is topped with normal weight concrete and welded wire fabric.

Statistics

Type | Academic Fitness and Education Center

Size | 73,400 square feet

Levels | Two

Cost | \$21.6 million

Completion | June 2009

Project Team

Owner | Shepherd University

Architect | Hughes Group Architects

MEP | Brinjac Engineering

Structural | Ehlert/Bryan

Contractor | Palmer Construction Company



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Lighting/ Electrical Option

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