Phoenixville Area Middle School

Phoenixville, Pennsylvania

Architectural Features

Building seperated into four areas:

Area A - Gymnasium

Area C: Classrooms and Library

Area B: Classrooms and Cafeteria

Area D: Auditorium

- Facade composed of brick, limestone, split and and ground face CMU's
- Construction based on sequencing of the four areas to allow trades to work simula-neously

Project Overview

Owner: Phoenixville Area School District

Total Height: 3 Stories

Total Project Cost: \$55,236,059

Size: 188,500 s.f.

Duration: May 2010 - May 2012

Architect: Gilbert Architects

Construction Manager: Reynolds Construction Management

Geotechnical Engineer: David Blackmore & Associates
Structural Engineer: Baker, Ingram and Associated

MEP Engineer: Snyder Hoffman

Civil Engineer: Renew Design Group



MEP Systems

- Heated by 3 gas powered condensing heaters, electric cabinet heaters, and electric wall and unit heaters
- Water source heat pumps used throughout building
- VAV boxes control supply air to 42 different rooms
- Four rooftop heat recovery units service entire building
- Power supplied by four transformers operating at 480/277 V and 208/120 V
- Lighting in all rooms controlled by motion sensors

Structural System

- Shallow foundation used with reinforced concrete column piers and wall footings and reinforced slab-on-grade
- HSS and wide flange steel columns used to carry load
- Area B and C floors supported by steel wide flange beams
- Area A and D roofs supported by steel barrel truss es
- Floors composed of 2" 20 GA metal decking with 3 1/2" concrete topping
- Roof decking composed of 1 1/2" 20 GA acoustic metal roof deck

Richard Schimpf

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