ALTOONA AREA JUNIOR HIGH SCHOOL · ALTOONA, PA



BUILDING STATISTICS

Building Occupant: Altoona Area School District
Occupancy Type: Secondary Education

Size: **292,066 SF**

Number of Stories: Academic/Fine Arts Building - 4

Physical Education Building - 2

Dates of Construction: April 2006 - August 2008

Cost: \$48 Million

Project Delivery Method: Design-Bid-Build

STRUCTURAL OVERVIEW

12-26" Reinforced Concrete Footings 8-12" Reinforced CMU Foundation 5" Slab-on-grade with W2.9xW2.9 WWF

5.25" Concrete Floor Slabs on 9/16" Steel Deck Single Steel Joists on Load-bearing CMU Walls Single and Double Joists on Steel Columns

1.5" Galvanized Steel Roof Deck

DESIGN & CONSTRUCTION TEAM

Owner: Altoona Area School District
Archtects: L. Robert Kimball and Associates

General Contractor: **Leonard S. Fiore, Inc.**

HVAC: D. C. Goodman and Sons, Inc.
Plumbing: S. P. McCarl and Company, Inc.
Fire Protection: Interstate Fire Protection Co.

Electrical: G. M. McCrossin, Inc.

Food Service: Commercial Appliance Contracts
Auditorium Seating: Maffei Strayer Furnishings, Inc.

MECHANICAL OVERVIEW

Modular Indoor and Outdoor CW/HW AHUs

(2) 225-ton Rotary Screw Water Chillers

(2) 3,322-MBH Gas Boilers

(11) Air-cooled Condensing Units

(8) VAV Boxes with Electric Reheat Coil

(1) 41.5-MBH Split-system A/C Unit

(6) Rooftop A/C Units

(12) 14.5-MBH Hydronic Cabinet Unit Heaters

(6) 6,825-BTUH Electrical Wall Heaters

(130) Room Unit Ventilators

(3) 500-BTU/ft Radiant Ceiling Panel Heaters

ARCHITECTURAL SUMMARY

The new Altoona Area Junior High School consists of a 239,434 SF Academic and Fine Arts Building and a 52,632 SF Physical Education Building. The Academic Building houses two cafeterias, an enclosed courtyard, an auditorium, offices, and classrooms. The Physical Education Building houses two gymnasiums, an indoor running track, and locker room facilities. The entire structure is clad in red brick accented with tinted pre-cast concrete elements. The windows and doors are aluminum with decorative pre-cast panels.

LIGHTING/ELECTRICAL OVERVIEW

4000 A, 480/277V Service
Voice and Data Communications
Security Cameras/Alarms
Closed-circuit Television
Auditorium and Gymnasium Sound
Fire Detection and Pumping
600 kW Emergency Generator
Interior Fluorescent Pendant Luminaires
Exterior HID Luminaires
Auditorium Dimming
Theatrical Lighting