

Project Cost: \$64.4 million

Size: 395,667 ft²

of Stories: 3

Completion:

January 2006 - February 2009

Delivery Method:

CM Agent



BALDWIN HIGH SCHOOL PITTSBURGH, PENNSYLVANIA

Jeremy Jewart – Construction Management

<http://www.arche.psu.edu/thesis/eportfolio/2007/portfolios/JKJ114/>

PROJECT TEAM

Owner:

Baldwin Whitehall School District

Consultant/Construction Manager:

PJ Dick

Architect/Engineer:

HHS DR Architects and Engineers

General Contractor:

Yarborough Development, Inc.

Electrical Contractor:

Lighthouse Electric

HVAC:

Wayne Crouse, Inc.

Plumbing Contractor:

Mechanical Contracting, Inc.



SPECIAL FEATURES

- 2 gymnasiums, a new swimming pool, larger classrooms and hallways
- State-of-the-art security and air conditioning systems in the auditorium
- 2 interior courtyards, a new athletic entrance, and a brick paved plaza/walkway

ARCHITECTURE

- Five phase renovation
- Existing structure has remained intact since 1939
- 80% of school to be of new construction
- Roman/Greek style and 21st century Arch.
- Skylights added for internal day lighting

BUILDING ENVELOPE

- Exterior wall system braced by structural steel frame
- 10" CMU block
- External brick facade with glass ribbon windows
- Visible concrete columns

STRUCTURAL SYSTEM

- New retaining wall supports entire southwest and southeast faces of building
- Steel columns vertically span the height of three floors
 - Lateral support comes from both wide flange beams and open web steel joists
 - 12" thick wall footings, 4" - 6" slab on grade, 6" x 6" x # 8 W.W.F., 6" concrete leveling pads

