

# TWIN RIVERS ELEMENTARY INTERMEDIATE SCHOOL

## Project Team

**Owner:** McKeesport Area School District  
**Architect:** JC Pierce LLC.  
**Construction Manager:** PJ Dick, Inc.  
**General Contractor:** Gurtner Construction

**Civil Engineers:** Phillips & Associates, Inc.  
**Structural & MEP Engineers:** Loftus Engineers  
**Environmental Engineers:** American Geosciences, Inc.

## Architecture

**Location:** 1600 Cornell St, McKeesport, PA  
**Occupancy:** Educational  
**Total Levels:** 3 stories  
**Size:** 127,000 GSF

## Construction

**Dates of Construction:** February 2013-January 2014  
**Building Cost:** \$28 million  
**Project Delivery Method:** Design-Bid-Build

## Mechanical

**Ventilation:** Dedicated Outdoor Air System  
**Heating:** Geothermal system, hot water boiler  
**Cooling:** Geothermal system, cooling tower

## Structural

**Foundation:** 4" Spread footing shallow foundation  
**Superstructure:** Structural steel with concrete slab  
**Roofing System:** Composed structural steel system with metal deck

## LEED Implementation

- Geothermal System
- Grey Water Capture System
- Solar Shading
- Day Lighting
- Wind Turbines

## Lighting/Electrical

**Supply:** 480/277V from supply with 208/120 step-down transformer  
**Lighting:** Fluorescent with LED, HID, incandescent  
**Controls:** Astronomical timer control for exterior; occupancy sensors for interior

