Replacement High School Project
Maryland

Brady Sheerin | Construction Management

Statistics

GSF: 254,878
Height: 3 Stories @ 70'
Project Cost: $7.25 Million
Dates Of Construction: Dec 2011—August 2013
Delivery: CM at Risk, Cost + Fee w/ GMP

Project Team

Owner: Prince George's County Public Schools
Architect: WMCRP Architects
CM: HESS Construction + Engineering Services
Civil engineer: KCI Technologies, Inc
Structural Engineer: ReSTL Designers, Inc.
Mechanical/Electrical Engineer: Allen & Schariff Corporation

Structural

The structural system is a combination of both load bearing CMU walls and structural steel. Columns consist of HSS members and wide flange beams supported by 18" by 18" concrete piers on spread footings. Floors consist of 3-1/4" light weight concrete on composite steel decking.

Mechanical

The mechanical system consists of 9 water to water heat pump modules to manage the 437 geothermal wells that provide heating and cooling for the school. Additionally there are 2 DOAS and 23 AHU's.

Electrical

Building is fed by two 2,500 KVA pad mounted transformers supplied by PEPCO. Each of which tie into their own 3,000 amp 480/277 volt switchboard

Architecture

The building exterior consists primarily of ground face CMU glazed curtain walls and several different styles of aluminum wall panels. In the heart of the building is a large rotunda and spiral stair case topped with a glazed curtain wall that creates a nice architectural feature.