

**Project Data**

Construction: \$61,300,000  
 MEPT Construction:  
     Phase 1: \$15,125,000 = \$59.90/sf  
     Phase 2: \$2,500,000  
 Size: 253,113 sf  
 EUI: 37.5 kBtu/sf/yr  
 ECI: \$0.86 \$/sf/yr  
 Rebate: \$437,429  
 % Better Than Code: 41%  
 \$ Saved/year: \$151,892  
 \$ Saved / sf / year: \$0.60

**Owner**

Iowa City Community School District  
 Duane VanHemert  
 Physical Plant Director  
 319.688.1020  
 VanHemert.Duane@iowacityschools.org

**Team**

Principal in Charge  
 Dwight Schumm, PE, LEED AP  
 Project Manager  
 Jonathan Gettler, PE  
 Mechanical Engineers  
 Adam Bunnell, PE LEED AP  
 Stephanie Riggan  
 Electrical Engineer  
 Jonathan Gettler, PE  
 Architect  
 SVPA Architects, Inc.  
 1466 28th St #200  
 West Des Moines, IA 50266  
 515.327.5990



This all-new home of the Liberty Lightning was built in a multi-phased development of a 70-acre parcel. The new school includes: classrooms, auditorium, media center, fine arts and technology and industrial arts spaces, with two gyms, wrestling and training rooms as part of a wing committed to athletics. A full-service kitchen and administrative offices are accessible from the welcoming large pre-function flex space.

The first phase consisted of building infrastructure for 1,500 students and classrooms for 1,000. The second phase includes new outdoor athletic venues for competition football, a soccer field, track and field event spaces, baseball and softball fields, tennis courts, grandstands and a maintenance facility. The future third phase will be a classroom wing addition to increase capacity from 1,000 to 1,500 students.

Mechanical and electrical systems included both central plant and terminal heat pump geothermal HVAC with provisions for a future boiler/cooling tower for peak load, LED lighting with occupancy sensors and daylight harvesting, sports lighting for all athletic fields and lighting for the 1,000+car parking lot and pedestrian walkways.

A photovoltaic system was designed for the maintenance facility, intended to entirely offset the building's utilities as a Net Zero energy use facility. Metering was installed to field verify the performance of the photovoltaic system.

