

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
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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.
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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 gymnasiums, 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.

