



Green School Building
New Construction

JMA

10150 Covington Cross Drive
Las Vegas, NV 89144
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Thomas J. Schoeman, AIA,
LEED AP
702/731-2033

DESIGN TEAM

Martin-Harris Construction,
General Contractor

Wright Engineers,
Structural Engineer

JBA Consulting Engineers,
Electrical & Mechanical Engineer
Nevada By Design, Civil Engineer

J.W. Zunino & Associates,
Landscape Architect

OWNER/CLIENT

Clarke County School District/
Vegas PBS
Las Vegas, NV

Dr. Walt Rulfes, Clark County
School District
702/799-8710

Tom Axtel, Vegas PBS
702/799-1010

Type of School
and Grades Served:
High School, 9-12

Capacity: 125 students On-Site
Campus/5,000 Virtual Campus

Size of Site: 10 acres

Area of Building:
108,000 square feet

Volume of Building:
650,000 cubic feet

Square Foot Cost: \$342

Cost of Construction:
\$39.8 million

Total Project Cost: \$42 million

Contract Date: Aug. 2004,
Architecture; June 2007,
Construction

Completion Date: Feb. 2009

Percent of Completion: 85%

GREEN | HIGH SCHOOL

Vegas PBS Educational Technology Campus

Las Vegas, Nevada

JMA

A Vegas PBS and Clark County School District (CCSD) joint venture, the Vegas PBS Educational Technology Campus is a model for green building process and public/private partnership. The goal was to construct an integrated facility. The result is a LEED-registered, 108,000-square-foot building that is home to a distance education facility, a homeland security and emergency response hub, and the first TV station in the United States built to meet both LEED standards and Media Security and Reliability Council security guidelines.

The building will use 35 percent less energy than a traditionally built building. Underground cisterns for rainwater collection, 202 geothermal wells that cool air-conditioning water, a window system with internal louvers, 715-kilowatt solar panels, and the use of only lead-free electronics will help the building meet its goal of LEED Gold certification.



EXTERIOR



INTERIOR

The building is home to CCSD's Virtual High School, which broadcasts classes to 5,000 students and serves as a central location for up to 200 students and 40 faculty members. The building offers classrooms with computer-instruction stations,

a science laboratory with broadcasting capabilities, four mini-studios designed to create educational courses, and an advanced technology hub for the entire school district. The school is scheduled to open in February 2009. ■



EXTERIOR

RENDERINGS: JMA