

2013 CEFPI

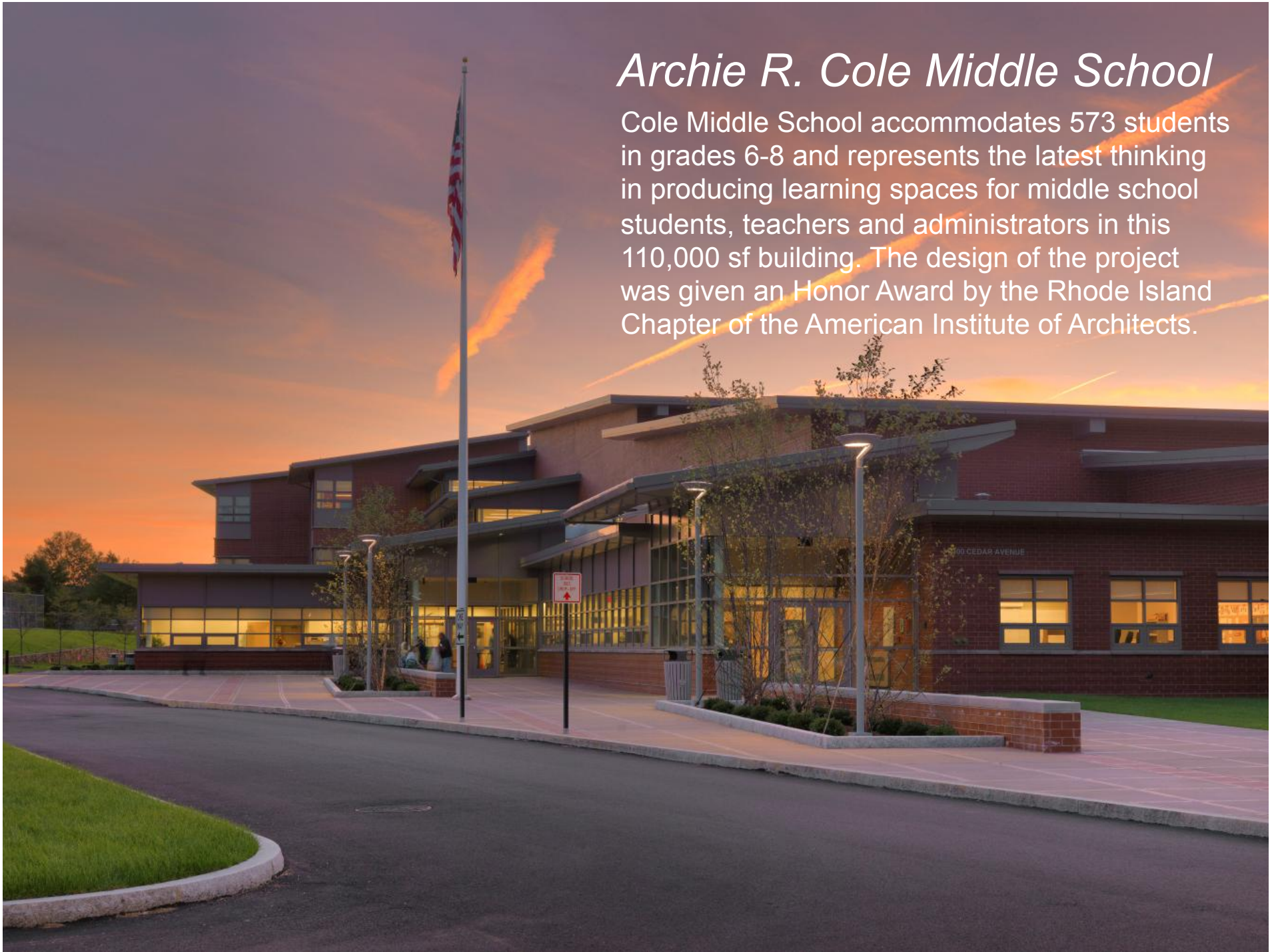
Exhibition of School Planning and Architecture

Archie R. Cole Middle School

East Greenwich, Rhode Island

Archie R. Cole Middle School

Cole Middle School accommodates 573 students in grades 6-8 and represents the latest thinking in producing learning spaces for middle school students, teachers and administrators in this 110,000 sf building. The design of the project was given an Honor Award by the Rhode Island Chapter of the American Institute of Architects.





Community Environment & Planning Process:

The design firm's inclusive approach to programming and design of the Archie R. Cole Middle School brought together faculty and staff, building and school committees, town council and the neighborhood association. Their input resulted in the school to be expressly planned for integration with the community. A civic core is created by locating the multipurpose space and gymnasium around the cafeteria where it can be used for community activities. The three story tall academic west wing is located at the quiet center of the site while the more civic functions step down to residential height of the surrounding neighborhood.

South Elevation



Learning Environment:

To assure that learning takes place in an intimate environment in which each child shares a supportive bond with peers and a family of teachers, the academic west wing of the school is divided into six social units of less than 100 students each with one grade on each of three floors. These social units, or team teaching areas, are comprised of four core classrooms, a special education space and a teacher planning area. Student centric project based learning takes place in a shared space between the science rooms. Splaying the corridor walls accommodates each team with a focus on a wide “projection wall.”



Learning Environment:

The dining commons is the hub of the specialty classrooms and serves as an informal gathering and learning space. During after school hours, it becomes a pre and post function space for the community, gym, and stage.



Cafetorium

Physical Environment:

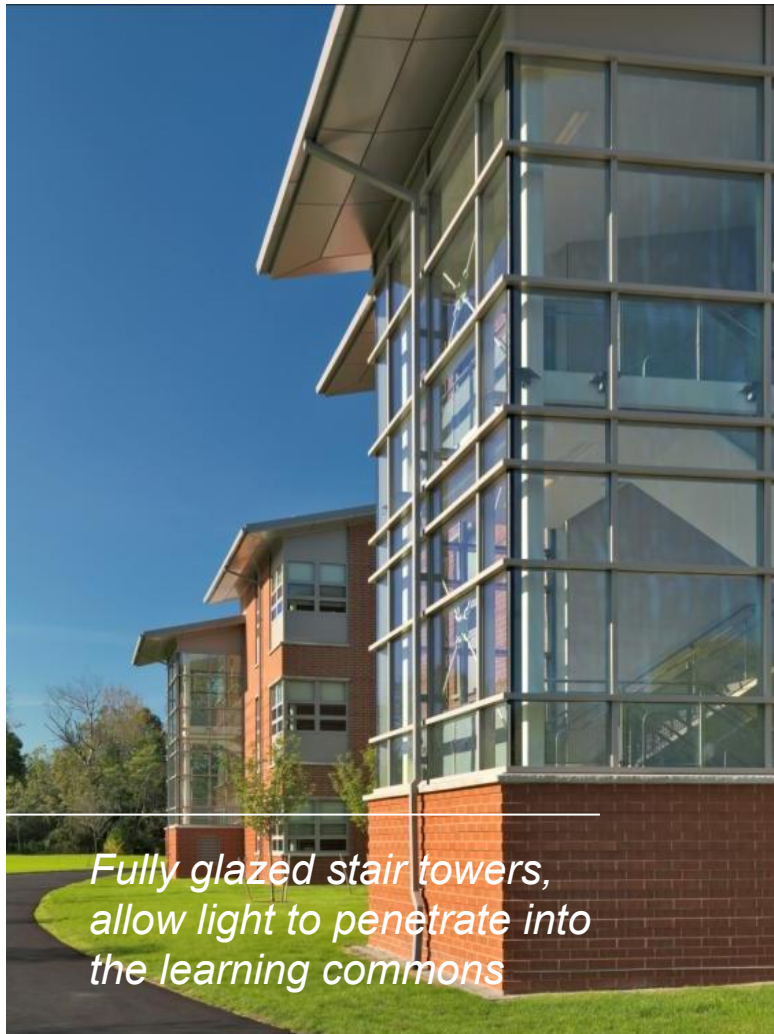
The effect of the physical environment on the performance of the schools daylight and rainwater harvesting systems and 50 kW photovoltaic arrays are brought into the curriculum through a data acquisition system which is networked to the classrooms and public spaces. Each teacher is tasked with bringing this data into their lesson plans each year.



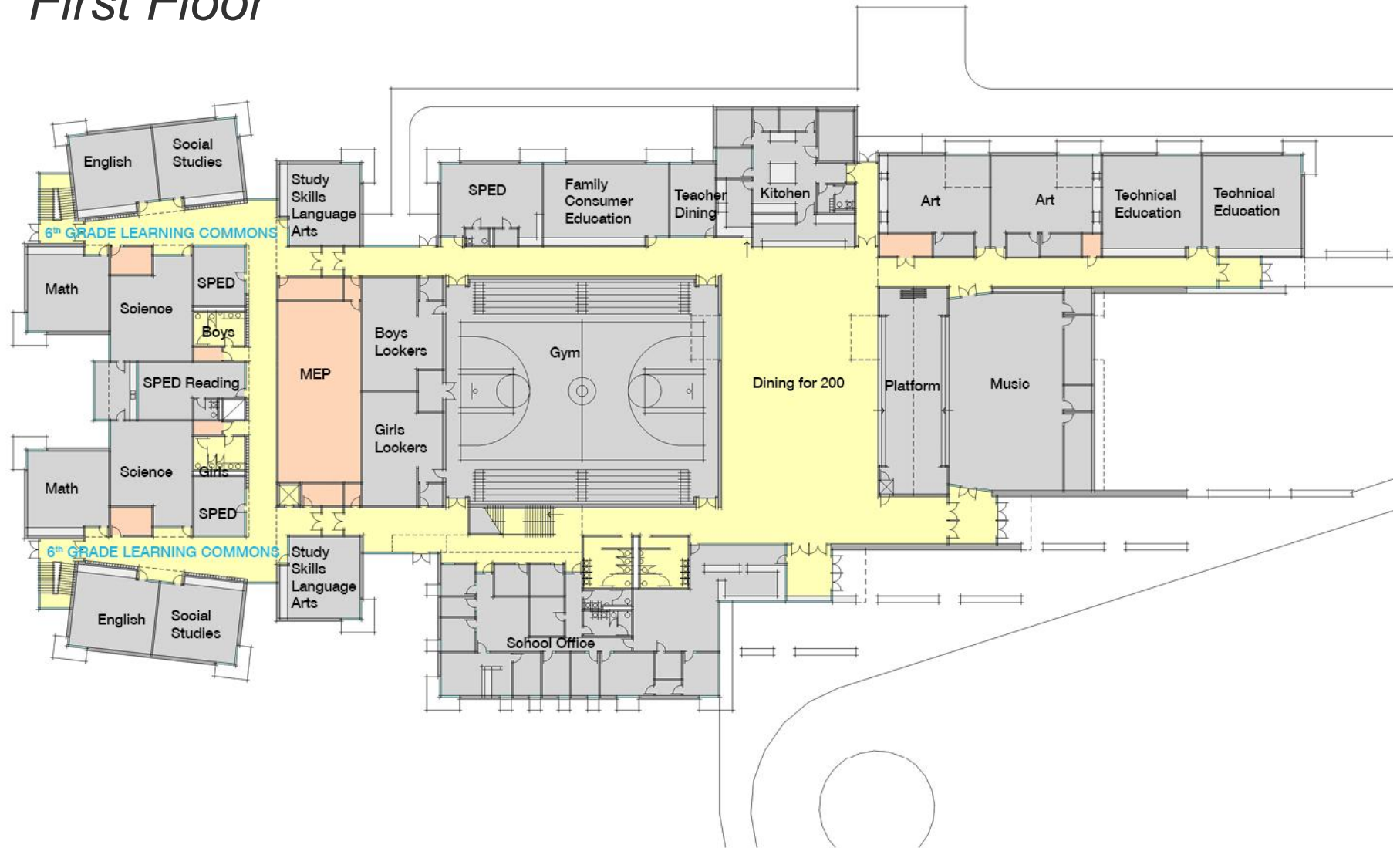
Data Acquisition System displayed on monitors throughout the school and in each learning commons

Physical Environment:

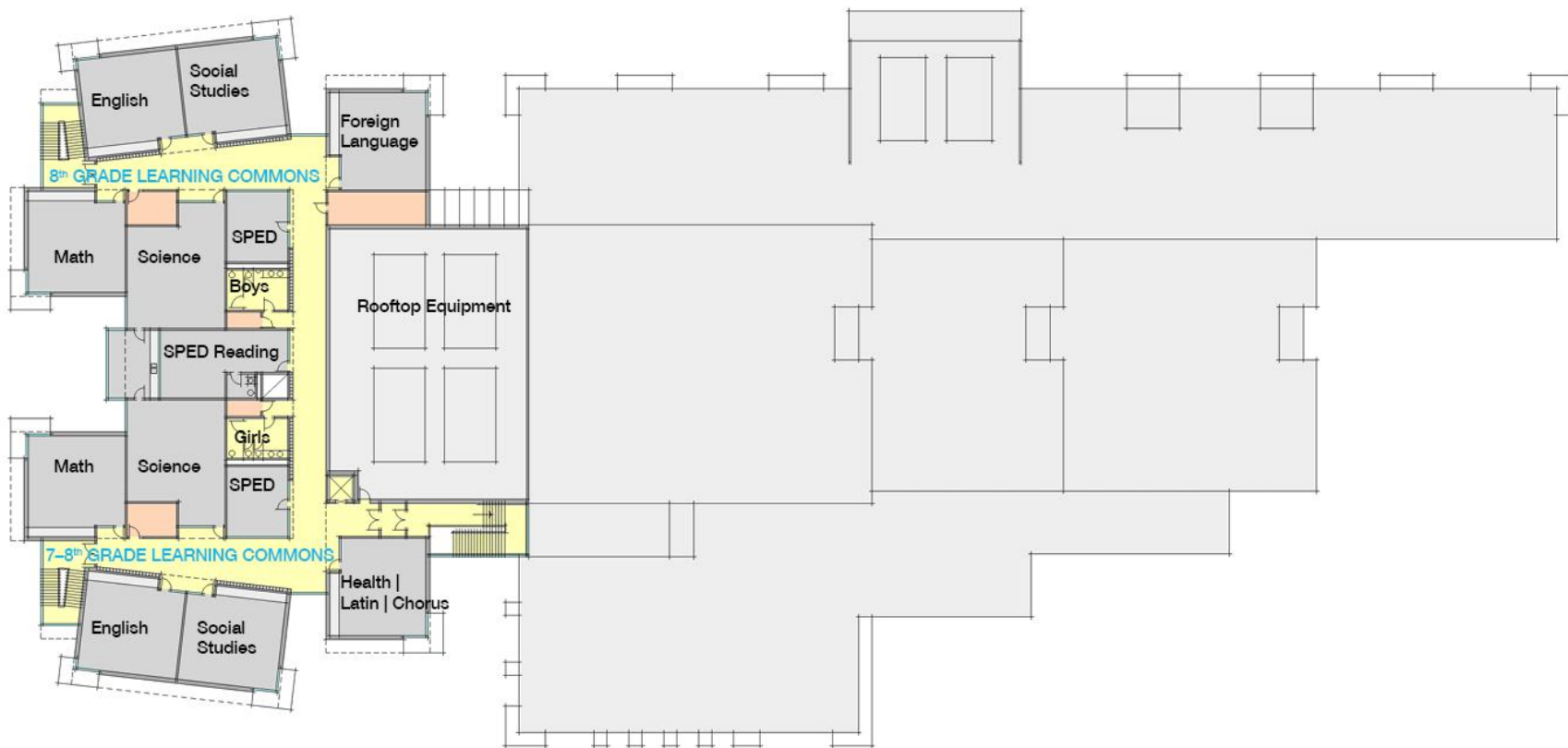
Natural light and views are also harvested for their positive effect on student attentiveness and focus. Virtually every room and circulation space has access to natural light, directly or borrowed. Classroom ceilings are sloped to “bounce” light deep into the rooms and lights are programmed to dim when natural light is sufficient.



First Floor



Second Floor



Third Floor







East Elevation



*West elevation with view
of weather station on roof*

Submitting Firm :	Symmes Maini & McKee Associates
Project Role	Architects, Engineers, Landscape Architects, Interior Designers
Project Contact	Edward R. Frenette
Title	Senior Vice President / Principal In Charge / Designer
Address	1000 Massachusetts Ave.
City, State or Province, Country	Cambridge, MA
Phone	617.547.5400

Joint Partner Firm:	
Project Role	
Project Contact	
Title	
Address	
City, State or Province, Country	
Phone	

Other Firm:	
Project Role	Owner's Project Manager (OPM)
Project Contact	Jonathan F. Winikur
Title	President
Address	135 New Road
City, State or Province, Country	Madison, CT, USA
Phone	860.395.0055 x111

Construction Firm:	Gilbane Building Company
Project Role	General Contractor
Project Contact	John Gilroy
Title	Project Manager
Address	7 Jackson Wlkwy
City, State or Province, Country	Providence, RI
Phone	401.456.5800

Project Name	Archie Cole Middle School
City	East Greenwich
State	Rhode Island
District Name	East Greenwich
Supt/President	Dr. Victor Mercurio
Occupancy Date	September 2011
Grades Housed	6-8
Capacity (Students)	573
Site Size (acres)	15 acres
Gross Area (sq. ft.)	110,000 sf
Per Occupant(pupil)	190 sf/student
gross/net please indicate	1.5:1
Design and Build?	No
If yes, Total Cost:	
Includes:	
If no,	\$23,000,000
Site Development:	\$1,840,000
Building Construction:	\$21,160,000
Fixed Equipment:	\$3,450,000 (FF&E+T)
Other:	See above
Total:	\$26,450,000 Project Cost