

# *SRP PROJECT of the MONTH*

## *OAK KNOLL MIDDLE SCHOOL*

Oak Knoll Middle School, located in Hanover, Va., opened in 2001 as a new 167,000 square foot school designed for 1300 students. Features include Variable Volume Air Handlers with Induction Terminal units serving the classrooms. All Units have integral energy recovery wheels to precondition the outside air. The building is heated by three, 86% efficient, 2 million BTUH Condensing Boilers. Chilled water is provided by two, 185 ton air cooled screw chillers. Carbon Dioxide sensors in the Gym and Cafetorium are utilized to provide the correct amount of outside air to the spaces. Motion sensors are used in the classrooms to switch the mechanical system from occupied to unoccupied mode. The school is fed by a 4000 amp, 480 volt, 3 phase electrical service and is fully sprinkled.



SIMMONS ROCKECHARLIE & PRINCE INC.  
8416 Glazebrook Ave.  
Richmond, Virginia 23228

Phone: 804-262-7323  
Fax: 804-262-0021  
WWW.SRPENG.COM

**SRP**  
**Consulting Mechanical &  
Electrical Engineers**