

# *SRP PROJECT of the MONTH*

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## *ELEMENTARY SCHOOLS—SUSTAINABLE DESIGN*

Schools that stand the test of time have long been a focus of Simmons, Rockecharlie, & Prince. A simple base floor plan has been duplicated at five schools in Henrico County and three more in Spotsylvania County. The 750 pupil schools in Henrico are Shady Grove, Ashe, Ward, Varina, Springfield Park (pictured below) , and Nuckols Farm. The Mechanical systems are 2 pipe, dual temperature fan coils with thermal storage and dedicated outside air units. The first school built in Spotsylvania, Wilderness Elementary, was changed to a water source heat pump system. At Parkside and Harrison Road Elementary, the systems were changed to four pipe fan coil units. Additions have been added at Shady Grove, and all three Spotsylvania schools since they were originally built. The schools are fed by a 2000 amp, 480 volt, 3 phase electrical service and are fully sprinkled.



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