

Brunswick High School Campuses

High school additions and renovations to three campuses, totalling 485,000 square feet, were to be integrated into a single control system utilizing BACnet open protocol. Energy saving time scheduling and economizer operations were also designed with the ability to handle high humidity. Additional features include:

- Central Operator workstation
- Web Browser Access
- 99 Air Handling Units
- 79 Unit Ventilators
- 6 Chillers and 6 Boilers
- Humidity Control

Alerton's BACtalk native BACnet energy management system was chosen to control and tie together three schools in the Brunswick County North Carolina School District. The systems were designed using BACnet open protocol to access the mechanical equipment used on the project. All unitary controllers are native BACnet and the six chillers (four Trane and two Carrier) each utilize BACnet to communicate directly with the Alerton BACtalk system without the need for gateways. The 99 air handling units and 79 unit ventilators serving the three buildings are all accessible through Alerton's WEBtalk web browser user interface. All three control systems are tied into the School's Maintenance Office in Bolivia, NC to allow seamless, centralized monitoring and control of each system.
