

MT. PISGAH CHRISTIAN SCHOOL – Alpharetta, Georgia

UPPER SCHOOL BUILDING

SCOPE Provide mechanical systems design and construction phase services for HVAC, plumbing, and fire protection systems for a new 40,000 sq. ft. classroom building with administration suite and an integral alternate basement build-out plan.



Owner

Mount Pisgah United
Methodist Church

Mechanical Contractor

Heritage Mechanical

Prime Consultant

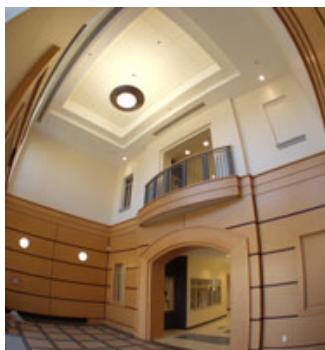
Collins Cooper Carusi
Architects

Construction Cost

\$4,900,000 (total)
\$736,000 (mechanical)

SPECIAL CIRCUMSTANCES

- Designed water-source heat pump system for classroom space conditioning with full building tempered water loop, and a boiler and cooling tower to control loop temperature.
- Tempered water system and cooling tower each provided with two full-size pumps for main/standby operation.
- Separate roof-mounted enthalpy-type tempered energy recovery ventilators (ERV) with full dehumidification and hot gas reheat, ducted separately to deliver ventilation air neutrally to each space.
- Designed fume hood exhaust with integral tempered make-up air system for reduced ventilation loads for second-floor science room. Gas, water, and waste piped to each lab desk and the fume hood. Piping connections provided for future conversion of additional classrooms into science labs.



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