

***MT. BETHEL UNITED METHODIST CHURCH – Marietta, Georgia***  
CHRISTIAN EDUCATION BUILDING

**SCOPE** Provide mechanical systems design and construction phase services for HVAC, plumbing, and fire protection systems for new, 4-story, 70,000 sq. ft. elementary school.



**Owner**  
Mount Bethel United Methodist  
Church

**Mechanical Contractor**  
Ragan Enterprises

**Prime Consultant**  
Collins Cooper Carusi  
Architects

**Construction Cost**  
\$6,900,000 (total)  
\$992,000 (mechanical)

***SPECIAL CIRCUMSTANCES***

- Basic building HVAC system is based on a tempered water loop piped throughout the building, with individual water source heat pumps for each space, boiler plate heat exchanger, cooling tower, and pumps.
- Both water systems (tempered and cooling tower) have two full-size pumps for full redundancy.
- Enthalpy heat recovery units used for ventilation air supply.
- Complete direct digital control system.
- Basement designed for shell originally, but built-out on fast track schedule by end of original project.

