

## Centerville Christian Fellowship Church Modernization & Addition

*Centerville, OH*

**Construction Completion:** 2020 (est.)  
**Size:** 8,944 SF  
**Tri-Tech Services:** Structural Engineering  
MEP



### Project Description

Centerville Christian Fellowship Church (CCF) began in 1995, meeting in area homes. In 1999, the church purchased its current property and built its principal building in 2000. They quickly reached occupancy. Church leadership desired to accommodate the needs of its growing membership and to maintain the safety of its congregation, composed of mostly families. A building addition became the best option.

Tri-Tech Engineering supplied design-build services for the addition build. Tri-Tech helped maximize use and care of the project budget by optimizing the equipment for and functions of the addition. The building addition also facilitated an expansion of the existing sanctuary, allowing for approximately 110 more seats, as previous uses of space in the principal building could be reallocated to the new one.

During the design phase, Tri-Tech's team met with the owner to clarify and verify the addition's requirements. Working alongside the project lead, Brentwood Builders, and the project architect, Eller Architecture, Tri-Tech developed designs to meet those various needs.

Central to the project's requirements were increasing the useable space for and safety of the families attending CCF. Tri-Tech's designs ensured up-to-date security measures in the children's area, a private space for nursing mothers, and retractable partitions to turn large spaces into small classrooms on Sunday mornings.

Tri-Tech's structural engineering included designs for the addition's foundation, wall, and roof framing. As part of its mechanical designs, multiple pad-mounted HVAC units were installed behind the building for flexible zoning and ease of maintenance. The electrical design incorporated a new fire-alarm system for the addition, which linked to the principal building's system, and new electric utility services. And Tri-Tech's plumbing designs offered accommodated restrooms with smaller fixtures in children's areas as well as increased capacity in the existing building's bathrooms.