

## Wayne Township Fire Station No. 2 Waynesville, OH

**Construction Completion:** 2020  
**Construction Cost:** \$4,900,000  
**Size:** 17,600 SF  
**Tri-Tech Services:** MEP Engineering  
 Structural Engineering

### Project Description

In Warren County, Ohio, Warren Township's trustees discerned the community's need for a new fire station. In addition to offering necessary office space, the new station would provide four truck bays, training spaces, turnout-gear room, laundry facilities, day room, physical-therapy space, kitchen, and six dormitories outfitted for full-time occupancy. And this new fire station will become the new department headquarters.

Tri-Tech provided expertise throughout the fire station's design process. The Tri-Tech team supplied instrumental input from initial discussions with the owner to plan the space to producing the construction documents. With a construction manager, Tri-Tech developed the fire station's design, coordinating construction scope, building needs, and managing first costs to maintain the owner's requirements for the project budget.

The new fire-station design includes structural engineering for foundations and framing, incorporating the seismic requirements for the overall facility and the department's training needs within the open three-story training area adjacent to the equipment bay.

Tri-Tech's mechanical and plumbing design includes a new kitchen and laundry facilities for the station, air-cooled split system furnaces for the office and administrative areas, and a radiant heating system for the equipment bay. And the building's electrical design includes a 1,000A main service with a 175kW emergency generator with separate transfer switches for safety and stand-by loads. Lighting systems utilize LED fixtures with occupancy sensor controls in many spaces throughout the building.

