

Kettering Health Network Electrical Utility Studies

Kettering, OH and Miamisburg, OH

Project Completion: 2013
Sizes: 1,136,575 SF and 382,055 SF
Tri-Tech Services: Electrical Engineering

Project Description

Tri-Tech Engineering was commissioned to perform electrical utility surveys for Sycamore Hospital in Miamisburg, OH and Kettering Memorial Hospital in Kettering, OH. As a part of their ongoing efforts to document existing facility conditions and simplify accreditation surveys, the hospitals sought to compile a single document for each facility which would contain the entire facility single line diagram, in addition to providing locations for the equipment utilized in the electrical distribution.

After compiling existing hospital as-built drawings and multiple site visits to document the existing conditions and equipment information, Tri-Tech worked to create new documents for each of the hospitals. The results of their work included an accurate and up-to-date single line diagram for the facilities which documented equipment sizes and physical capacity (spare switches and breakers, and space for future expansion), as well as documenting the separate branches of emergency power (life safety, critical, and equipment).

Large-format plans of the single line diagram were printed in color and framed, in order to be hung in the hospital main electrical rooms. Additionally, the final product was presented in an 11"x17" binder which showed the locations of the entire electrical distribution on floor plans along with the single line diagram, which allow the facilities staff the ability to quickly and easily reference up-to-date information about the electrical systems in their building.

