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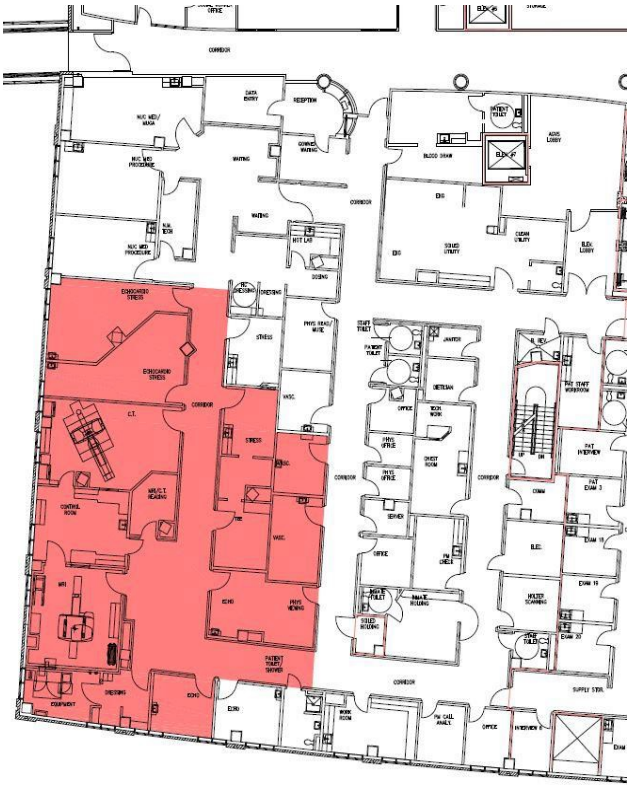
1785 S. Metro Parkway
Centerville, OH 45459

"Established in 1977"

The Ohio State University Ross-Wiseman MRI Assessment

Columbus, OH

Project Completion: 2018
Sizes: 4,785 SF
Est. Construction Cost: $1,558,630
Tri-Tech Services: MEP Engineering



Project Description

The Ohio State University Medical Center Richard M. Ross Heart Hospital needed designated space in its imaging department to ensure the successful installing of a new 1.5T MRI Scanner and 3.0T MRI Scanner, along with moving an existing CT Scanner to the department. To ensure the space could support the new equipment, the existing space and equipment layout needed to be revised. Tri-Tech provided the necessary assessments and reports.

Tri-Tech performed numerous site visits and attended multiple user-group meetings to understand the potential effects of the new imaging-department layout to future programming changes. Tri-Tech analyzed the potential impact to patient flow and care, current FGI recommendations. The analysis and assessment also offered structural support for the new equipment, including infrastructure capabilities of existing mechanical, plumbing, and electrical systems.

Following its research and analysis period, Tri-Tech offered a final recommendation and design concept that the Medical Center representatives approved. Central to the design was a new MRI suite with a shared central control room along with slightly more private access for the staff.

Tri-Tech's structural analysis validated the selected location's adequacy to support the new equipment. Through its mechanical-system analysis, Tri-Tech provided recommendations to utilize the existing air handling system and to install two new chillers for the MRI equipment. Its electrical-system analysis identified power sources for new equipment feeders, along with recommendations for local branch circuitry.

Tri-Tech's completed report supplied the client with layout sketches and an opinion of probable construction cost for the new project.