

Metro Imaging: St. Louis, MO

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PROJECT DESCRIPTION

Client: Metro Imaging

Project: Diagnostic Imaging Centers HVAC Systems Upgrades

Locations:

- West County
- North County
- South County
- St. Peters
- Richmond Heights

PROJECT APPROACH

Design/Build

ROLE

Engineer of Record
HVAC Service Provider (since 2000)

PROJECT CHALLENGE/SOLUTION

The complex and precise temperature and humidity requirements of MRI systems and their associated equipment rooms require highly specialized expertise and understanding of HVAC systems. Wiegmann replaced outdated chillers at three Metro Imaging locations with energy efficient chillers to achieve these stringent environmental needs. Solutions included installing material and equipment outside of the range of the MRI's magnetism.

Since 2000, Wiegmann has provided ongoing HVAC service, including preventative maintenance and repairs, to all five locations of Metro Imaging and their administrative offices.

PROJECT SCOPE

- Increased cooling capacity to MRI rooms, control rooms and equipment rooms
- Installed new, reconfigured ductwork to MRI spaces
- Installed new humidification to equipment room and MRI space
- Integrated controls for the new equipment
- Piped new MRI process chillers to heat exchangers in equipment room
- Added new quench vents to the MRIs
- Rebalanced associated air systems

