



CityWide Radiology and Imaging

CityWide Radiology and imaging located in Bensonhurst, Brooklyn expanded their medical facilities by creating a new 3,500 square foot space to install a GE 3T MRI. This project is a renovation of a former single-story retail space into a radiology and imaging practice including mammography, sonogram and exam rooms. All work within MRI room constructed of non-ferrous materials, i.e ductwork, air outlets, etc. EP Engineering was commissioned to design the space in compliance with FGI Healthcare Guidelines 2014 for outpatient facilities.

Challenges:

- Design a dedicated AC system in accordance to ASHRAE 170 to serve the MRI and support spaces. AC system was provided with MERV 14 final filtration.
- Locate all HVAC equipment outside the MRI gauss lines.
Cryogen vent must be installed in strict accordance with MRI manufacturer's requirements.

Achievements:

- Upgrade electrical service to 600A to accommodate MRI equipment and associated cooling.
- Designed air cooled process cooling chiller, including pumps and associated expansion tanks, to serve MRI Magnet Chiller
- Locate MRI exhaust and quench discharge on an existing roof w/ a minimum exhaust area of 20 feet long by 15 feet wide is required with exhaust area barriers, restrictions, and warning signs.

Location:

6817 Parkway
Brooklyn, NY 11204

Building Size:

3,500 SF

