BUILT ENVIRONMENT CASE STUDY

NewYork-Presbyterian Brooklyn Methodist Hospital: We design the way hospitals fit their community

CHALLENGE

NewYork-Presbyterian Brooklyn Methodist Hospital is located in the heart of the charming Park Slope neighborhood in Brooklyn. Protecting the community and the hospital from unwanted noise and vibration was imperative.

SOLUTION

Our team provided extensive testing and analysis of sensitive spaces within the hospital. Noise vibration is very disruptive to MRI rooms and other areas where equipment is sensitive. We were able to detail architectural solutions critical to the locations.

RESULT

Because of our extensive testing and analysis, we were able to strategize the best design for sensitive spaces for this client and deliver a peaceful, undisrupted healthcare environment.

Dynamic Brooklyn requires dynamic health care. NYP Brooklyn Methodist Hospital's new 400,000-square-foot 'Center for Community Health' connects patients with every type of provider, all in one grand U-shaped hospital. It really is unique because of location—in the middle of Park Slope—hugging the neighborhood's charming brownstones.

Our team from Cerami, part of Trinity Consultants, designed from the outside in—protecting both the community and the hospital from unnecessary noise, assuring temporary environmental vibration as well as permanent sound reduction. We provided acoustical analysis for the sensitive radiology spaces such as MRI rooms where vibration control is essential. Patient spaces and medical professional offices required extensive study to detail architectural solutions critical to maintain speech privacy between rooms. We also provided services designing sophisticated AV in training and conference spaces.

SIGNATURE SOLUTION

The Center for Community Health includes 12 operating rooms, a cancer center with chemotherapy, an expanded orthopedic institute, and rooms for endoscopy, bronchoscopy and pain management. Our team was brought in to ensure that all structural systems that deal with vibrations were designed to mitigate fluctuations—even a slight variation in MIPS could cause disruptions and corresponding errors. Being able to strategize for the most sensitive spaces is one of the most important things we do.

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