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John Cass, Founder

Principal - Mechanical Engineer – Project Manager

EDUCATION

Wentworth Institute of Technology, BS, Mechanical Engineering

Mr. Cass is a Mechanical Engineer at CSI Engineering LLC with over 37 years of building HVAC systems experience, including site surveys, system assessment, master planning, energy analysis, building design, construction administration and start-up of HVAC systems. Mr. Cass has performed these services for K-12 schools, colleges, hospitals, industrial facilities, office buildings, a variety of municipal and transportation-related buildings and numerous other types of facilities.

RELEVANT EXPERIENCE

Ziskind 3 Animal Storage Facility, Tufts Department of Animal Lab Medicine, Boston, MA

Complete renovation to existing 15,000 square foot space. The design was a full redundant AAALAC certified animal storage facility. Design included dirty and clean cage storage, cage wash, offices and surgical suites.

Neely Foundation Stem Cell Collection Facility, Tufts Medical Center, Boston, MA

The project was a complete renovation to accommodate the new facility. The design included a custom air handling unit with complete HEPA filtration. The facility included isolation suites, offices and patient care rooms.

128 Slice Computed Tomography (CT) Scan Labs, Tufts Medical Center, Boston, MA

Design and renovation of existing CT Scan Lab. The existing lab was up-graded to the first of its kind 128 slice CT scan machine. The design included new process chillers, pumps and modifications to the existing piping.

Electrophysiology (EP) and Cardiac Catheterization Labs, Tufts Medical Center, Boston, MA

Design and addition of third C-Arm to new EP room while existing facility remained in operation. Design included modifications and up-grades to the existing variable volume air distribution systems.

Beralcast Foundry, Wilmington, MA

Design of the relocation of a 51,000 sq ft Beryllium foundry.

Heliport Project, Tufts Medical Center, Boston, MA

New HVAC design and construction for snow melt system on Tufts' heliport. Provide a new automatic snow melt system that utilized the building's existing steam system

LAARS Testing Facility, Rochester, NH

This project included the new design for LAARS new testing facility in Rochester, NH. The scope of work included providing 15 boiler test stations. The boiler test stations vary in size from 50,000 BTU to 5,000,000 BTU boilers.