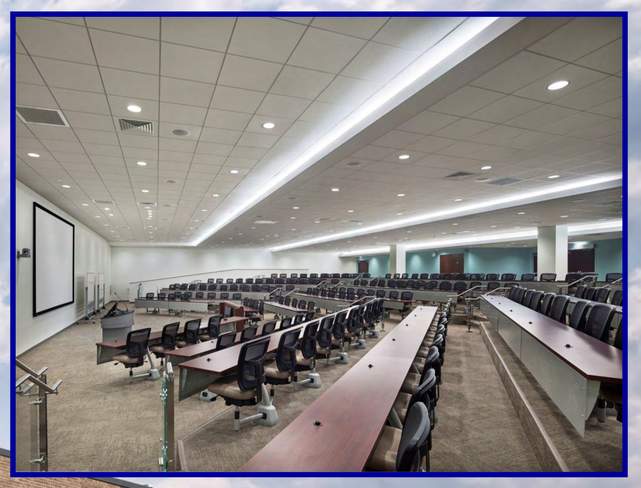
Hofstra North Shore L.I.J. School of Medicine



Demand controlled ventilation is provided to the entire building. Carbon Dioxide (CO_2) detection is used to regulate outdoor air requirements based on real time occupancy. Each HVAC zone is provided with temperature and CO_2 sensors. The temperature sensor controls the heating and cooling functions, and the CO_2 sensors control the outside air supply to VAV boxes to maintain CO_2 levels below set limits. The reduction of outdoor air during low occupancy periods reduces energy, along with lowering the carbon footprint.

The energy savings provided by the BMS will reduce operational costs and lessen the impact the building will have on the local utility. The parking lots utilize rain gardens and bio-swales to provide first-flush treatment of the stormwater and increased infiltration.

The primary driveway entrance features a central bio-swale providing stormwater treatment, controlled vehicular car access and landscaping.

This Project Achieved LEED SILVER STATUS

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