



ADE GROUP
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PROJECT SHOWCASE PROJECT OVERVIEW

St. John's University has completed a significant renovation of its Health Sciences Center, incorporating advanced HVAC solutions from Price Industries, specifically the LIU Chilled Beams. This project was a successful collaboration of talent between Cannon Design, the mechanical engineer, Ainsworth Inc., the mechanical contractor and ADE Group the manufacturers representative. This renovation aimed to enhance the comfort levels for students in the Nursing, Radiologic Sciences, and Physician Assistant programs.

BENEFITS OF USING PRICE INDUSTRIES LIU CHILLED BEAMS

- **Enhanced Comfort Levels:** The LIU Chilled Beams provide superior thermal comfort by delivering consistent and even temperature distribution throughout the space. This minimizes hot and cold spots, ensuring a comfortable environment for students and staff.
- **Energy Efficiency:** These chilled beams are highly energy-efficient, reducing the overall energy consumption of the building. This aligns with the university's sustainability goals and reduces operational costs.
- **Improved Air Quality:** By integrating chilled beams, the renovation has significantly improved indoor air quality. The system reduces the need for ductwork, which can harbor dust and allergens, thus providing a healthier indoor environment.
- **Quiet Operation:** The LIU Chilled Beams operate quietly, creating a conducive learning environment free from the noise typically associated with traditional HVAC systems.

Features of LIU Chilled Beams

- The Linear Induction Unit (LIU) is the ultimate solution to high latent applications. They can be utilized in room centers with a 2 way throw pattern to provide optimum thermal comfort.
- The LIU is designed to provide cooling and heating output by conditioning the room air induced through the beams hydronic coil while simultaneously supplying fresh, conditioned air to the occupied area.
- The beams have a sleek and unobtrusive design, seamlessly blending into the architectural aesthetics of the Health Sciences Center.

PROJECT CHAMPIONS

Mechanical Engineer /

Architect-

Cannon Design

Mechanical Contractor-

Ainsworth Inc.

Manufacturers Representative-

ADE Group

Project Information:

St. John's University
Health Sciences Center

8000 Utopia Parkway
Jamaica, NY 11439

Specified Manufacturer:

Price Industries

Specified Model:

LIU Linear Induction Unit
Chilled Beam

Conclusion

The renovation of St. John's University Health Sciences Center with the incorporation of Price Industries LIU Chilled Beams has significantly enhanced the comfort and functionality of the space. The benefits of improved thermal comfort, energy efficiency, and air quality contribute to a better learning environment for students and staff. This project exemplifies how modern HVAC solutions can transform educational facilities, aligning with sustainability goals and providing a superior indoor environment.



Want more information? Email: adeengineering@adehvac.com or call 516-568-6500 for design assistance today!