

## HVAC, Electric & Sprinkler Design for NYC DEP Staten Island Field Operations Facility



### Project Overview

NY Building Systems Consultant Inc. (NYBSC) was engaged to transform a deteriorated structure into a modern, energy-efficient facility supporting office and locker room operations for the NYC Department of Environmental Protection (DEP). The project required a full MEP/FP redesign to meet current operational, safety, and regulatory standards while ensuring long-term reliability and maintainability.

### Project Profile

	<b>Location</b> 288 Clove Road, Staten Island, NY 10310
	<b>Gross Floor Area</b> 6,800 Square feet

### Our Engineering Approach

NYBSC collaborated closely with **DEP** and project stakeholders to deliver a coordinated, code-compliant, and cost-effective design solution. The scope included comprehensive upgrades across all building systems.

### High-Efficiency HVAC Design

- Custom HVAC system engineered for the building's new programmatic layout
- Integration of Dedicated Outdoor Air Systems (DOAS) for improved ventilation
- Heat pump-based Rooftop Unit (RTU) to enhance energy performance and reduce carbon footprint

### Electrical System Modernization

- New lighting layouts designed for efficiency and occupant comfort
- Upgraded distribution panels, switchboards, and cabling infrastructure
- Installation of emergency and exit lighting to meet life-safety requirements

### Plumbing & Fire Protection Systems

- Complete plumbing system redesigned to support new facility functions
- Automatic sprinkler system engineered for full fire protection compliance

### Some Captures from the site

