

SPRINKLER DESIGN IN JAMES J. PETERS VA MEDICAL CENTER, BRONX, NEW YORK

NY Building Systems Consultant Inc. (NYBSC) was awarded to design sprinkler system for various mechanical rooms. NYBSC designed the sprinkler system considering the maximum safety factors of fire hazard.

BUILDING PROFILE

Address: 130 W Kingsbridge Road,
Bronx, NY-10468
Square Foot: 1,299,700
Type: Public Facilities and Institutions
Units: 840
Year of Built: 1905
Owner: BRONX VA MEDICAL CENTER

NYBSC SERVICES

- Sprinkler Design
- AHUs Design for Contractor

PROJECT SUMMARY

- NYBSC applied NFPA 13(2016 Edition) compliance with the design.
- The Designs were done for six (6) Mechanical rooms.
- AHUs drawings for phase 3 & 4



The building is a medical center for our proud Veterans. The VA Hospital wanted to replace existing old Air Handler Units with new high efficiency Air Handling Units including VFD. NYBSC helped to contractor for replacing the AHUs and duct works in the mechanical rooms by creating the drawings. Also, new types of obstruction had been changed for the fire protection system. That is why it was essential to get a new sprinkler design according to the new arrangement of units and obstructions. NYBSC accomplished the sprinkler design for the units of the building. The objective of the new sprinkler design is to ensure the fire protection covering every useful area.



Figure: Existing Mechanical Room