



NOVUS
ENGINEERING

Office Building at 3 Corporate Drive Clifton Park, NY



Novus Engineering, P.C. provided mechanical and electrical design documents for a new 40,000 square foot office building for Abele Builders. The building utilizes premium efficiency rooftop units with Carrier 3V controls and economizer, or “free cooling”, capability. Novus also designed the cooling system for a server room in the building owned by Google. This system uses fabric ducts for even air distribution across the face of the servers, which has proven extremely

effective.

The lighting system includes high efficiency T5, volumetric fixtures with step dimming and occupancy sensors. The overall lighting power density is 0.78 Watts/ft², which is well below the maximum lighting power permitted by the New York State Energy Conservation and Construction Code.

In addition to providing mechanical and electrical design services, Novus assisted in verifying design performance for the NYSERDA New Construction Program (NCP). The building qualified for a \$67,000 incentive under the NCP due to its high level of energy efficiency. Novus conducted commissioning for all energy consuming aspects of the project, including wall and roof insulation, mechanical systems, and lighting systems, in order to verify installation and proper functioning of the incentivized energy measures.

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Architect: Keystone Architectural Services

Builder: Abele Builders

Work Completed:

Design: 2007-2008

Commissioning: 2007-2010

