

Troop G Headquarters and Vehicle Maintenance/Quartermaster Buildings

Latham, New York



Novus Engineering, P.C. served as the commissioning authority for a new, two-story 90,000 square foot headquarters building and a new, one-story 30,000 square foot Vehicle Maintenance/Quartermaster building for Troop G of the NY State Police. Construction started in the Spring of 2011 and continued through 2012. Services included preparing

commissioning specifications, reviewing the Owner's Project Requirements (OPR) and Basis of Design (BOD), reviewing the controls sequence of operation, conducting 60% and 80% design reviews, preparing a commissioning plan, conducting a commissioning kick-off meeting and making multiple site visits to inspect the installation of windows, insulation, HVAC equipment, lighting and controls systems.

The headquarters building incorporates offices, conference rooms, training facilities, laboratories, and an energy-intensive data and emergency response center. The building is primarily conditioned by six variable air volume air handling units, which are served by boiler and chiller plants. Demand controlled ventilation has been incorporated where appropriate and the high efficiency lighting system utilizes occupancy sensors and daylight harvesting throughout a majority of the facility.

The quartermaster facility provides space for vehicle maintenance, special equipment storage and fit-up, and building and grounds. High efficiency rooftop units, in-slab radiant heat and numerous supply/exhaust fans condition the building.



Professional Services: 2009-2012

Construction: 2011-2012

Project Budget: \$50 million

Estimated Headquarters NCP Incentive: \$176,004

Estimated Quartermaster NCP Incentive: \$47,626

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