



The Town of Glenville Fire District #5 (Beukendaal) supports a volunteer department of 48 active members. They respond to approximately 300 calls per year. The original 1,296-sq.-ft., one-story structure was built in 1950, and a 3,030-sq.-ft., one-story addition was constructed in 1979. This facility could only house four of the department's nine vehicles, which were housed remotely.

The existing station had a footprint size of 6,621 sq. ft., a basement of 671 sq. ft., and a wooden storage mezzanine of approximately 400 sq. ft., for a total size of 7,692 sq. ft. The renovation and 10,147-sq.-ft. addition brought the building footprint up to 16,768, with a storage and training mezzanine of 1,088 sq. ft., for a total building size to 17,856 sq. ft. The basement was filled in due to a high

water table and persistent leakage problems. The building envelope was brought well above code. High efficiency HVAC systems were installed including heat recovery ventilation and variable frequency motors. High-efficiency lighting was used in all instances. A decon-laundry, and dedicated secure EMS room were provided along with a bailout window and confined space extrication manhole. The SCBA compressor was isolated from the fill station room to minimize noise. The building was zoned to allow public use without violation of the security of the district's operations. The radio

room has visual control of the apparatus bay front line as well as the front apron. Bathrooms were provided that have direct access to the rear of the property to support Department rentals of a grove on the property while not breaching the security of the building.

Construction cost was \$3,869,640 (\$216/sq. ft.), which included an extensive storm water retention system, and measures to protect a sensitive aquifer.



Official Project Name: Town of Glenville Fire District #5 (Beukendaal) Fire Station

Project City/State: Glenville, NY

Date Completed: Dec. 18, 2015

Fire Chief: Chief Paul Chevalier

Project Area (sq. ft.): 17,856

Total Cost: \$3,869,640

Cost Per Square Foot: \$216

Architect/Firm Name: Mitchell Associates Architects

Website: mitchell-architects.com

Design Team: Architect-in-Charge:

Robert Mitchell, AIA; **Project Manager:** Peter Signorelli, AIA; **Structural**

Engineers: Craig Maloney; **Mechanical**

Engineers: Huston Engineering, LLC;

Civil Engineers: Lamont Engineers, PLC;

Fire Department Building Committee: Todd Lavery, Pat Quillinan, Jennifer McPhail, Jay McPhail, Carol Kiddle, Bill King, Dennis Austin, Susan Austin, Jeanette Lamp