

ND Air National Guard Army Reserve Center



Fargo, North Dakota

Electrical Construction: \$930,000

Year Completed: 2011

Project Manager: Paul Soderquist

Project Foreman: Jace Mitchell

Owner: US Government

General Contractor: Meineke- Johnson



The new Army Reserve Center on the Air National Guard facility in Fargo was a part of the 2005 recommendations from the Defense Base Closure Realignment Commission (BRAC). It replaced the older and overutilized David F. Johnson Memorial USAR Center. Bergstrom Electric served as a subcontractor to Meineke-Johnson and began electrical construction work in June of 2010.

The project was divided into five main parts:

- A 29,000 square foot Training Center,
- an OMS (Operations and Maintenance) Shop for vehicle maintenance,
- a cold storage building,
- a wash bay, and
- site-work

Bergstrom installed the 800 amp 480/277 volt main electrical service as well as the sub-feeders to the outbuildings. Bergstrom also provided the primary duct banks, high voltage conductors, and transformers for the project as well as all terminations and testing of

the 12,470 volt system. Usually projects have the utility companies provide this work, however, government contracts often have the electrical contractor perform the high voltage service and Bergstrom is experienced in this aspect of the job.

A cathodic protection system was also required on the project. It is a technique that helps reduce the erosion of a metal surface by connecting it to a more easily corroded metal. In the case of the Reserve Center project, magnesium anodes were placed in the ground and exothermally welded to the metal water pipes. Although not as common in the Midwest, cathodic protection systems are usually required on government projects and Bergstrom has previously installed these systems.

Bergstrom completed their work in July of 2011. It took over 7,000 man-hours, 28,000 feet of EMT, 8,000 feet of PVC pipe, 110,000 feet of wire, and 425 light fixtures to complete the electrical construction at an approximate total cost of \$930,000.



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