

# UND Education Building Renovation



## Grand Forks, North Dakota

**Electrical Construction:** \$2,192,000

**Year Completed:** 2011

**Project Manager:** Steve Wasvick

**Project Foreman:** Terry Olson

**Owner:** University of North Dakota

**Architect:** JLG Architects

**General Contractor:** Peterson  
Construction



When UND officials decided to renovate their 48,770 square foot Education building and construct a 21,000 square foot annex connecting it to nearby Gillette Hall, they used the opportunity to not only make the facilities high-tech, but also to make them the only LEED - certified buildings on campus.

To earn the Silver LEED designation, contractors incorporated innovative technology throughout the project and recycled everything possible. For Bergstrom Electric, that included all the wire, pipe, and steel boxes they pulled out of the Education building during demolition.

Bergstrom also installed motion sensors in every room and Solatube Daylighting Systems to allow teachers to control the amount of daylight in the room.

The project posed several challenges to the Bergstrom team, including the relocation of the transformer that serviced Gillette Hall. Bergstrom crews bore under Centennial Avenue and put the transformer across the street, to allow room for the construction of the annex.

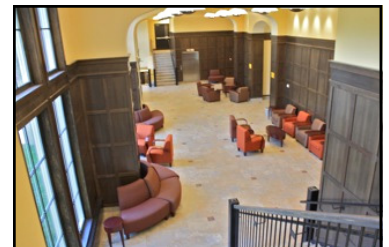


building and relocated 8 existing panels there. Bergstrom also did all the wiring for the data communications, telephone service, fire alarm protection systems and the heating and ventilation controls. The total project required approximately 100,000 feet of conduit and 400,000 feet of wire.

Both buildings are now completely wireless and incorporate some of the newest teaching technology, including teaching stations where the instructor can control everything from lighting levels to screens to projectors.

Bergstrom began work on the \$11.2 Million project in June of 2010 and it was completed in time for classes to begin as scheduled on August 22, 2011. It took over 19,000 man-hours to complete the electrical construction work.

*"Bergstrom was really good to work with. They went the extra mile to make sure things were done well."* - Fawn Behrens-Smith, UND's Facilities Architect.



Bergstrom installed a new 1600 amp 480 volt three-phase service for the annex, added 16 new panels to the Education

