

# LM GlasFiber (Initial Construction)



LM Glasfiber is an international company based in Denmark that decided to build a 83,000 square foot fiberglass blade manufacturing facility in Grand Forks, ND. It's 100' blades would be constructed, crated, and shipped through this plant to various locations in North American for use on wind generators.

Bergstrom Electric was contacted by all four General Contractors who had been selected to provide design/bid proposals. Construction was to commence on October 14, 1998 with substantial completion by March 15, 1999. This extremely tight timeframe was made even more difficult with the cold North Dakota winter weather.

The electrical components of the facility included a 2,000 amp 277/480v service with a 15 kw generator for emergency backup power, along with a fire alarm system to protect the entire building. The production area was illuminated with approximately 500 8'-2/ tube high output fluorescent fixtures. The facilities exterior was to be used as part of the production area for moving blades in and out of the building,



## Grand Forks, North Dakota

**Electrical Construction:** \$481,961

**Year Completed:** 1999

**Project Manager:** Steve Mundahl

**Project Foreman:** Dan Reineke

**Architect:** Widseth, Smith, Nolting

**General Contractor:** ICS, Inc.



therefore, special consideration was required for its lighting. Several 400 watt metal halide wall packs were mounted on the exterior walls and 15 light poles of varying heights were spaced strategically throughout the site.

The project required approximately 7,800 man-hours in less than four months time, with fixtures and switchgear not delivered until the final 14 days. Peak man-power load reached fifteen electricians during the fixture and switchgear installation. Even with the demanding project schedule and more than 100 trades people working the site at one time, Bergstrom Electric was able to complete its work to meet the required substantial completion, with the exterior light poles installed that spring.

*"The personnel of Bergstrom Electric, Inc. including the Project Manager, Foreman, and electricians, produced nothing short of quality from start to finish. Without hesitation, I would recommend Bergstrom Electric, Inc. to other clients who are looking for quality and productivity."*

- Craig Hoiseth, CEO  
LM Glasfiber (ND), Inc.

**BERGSTROM  
ELECTRIC, INC.**