

Illuminations

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New Law Enforcement Center is High-Tech

Under construction for a little over a year, the McLean County Law Enforcement Center in Washburn, ND has been open and operational for almost 6 months. The 17,718 square foot facility can house up to 42 male and female inmates if necessary, although officials anticipate only an average of 12 on a daily basis for the time being. Bergstrom Electric was proud to be involved in the project as the prime electrical contractor.

"As you can imagine, there was a fairly extensive security system," explains Mike Yri, the Project Manager out of Bergstrom's Bismarck office. *"We had to wire cameras, electronic door controls, an intercom system, and personal duress alarm system sensors along with all their other needs."*

The \$3.3 million project can house inmates in either small



The new McLean County Law Enforcement Center in Washburn, ND was managed out of Bergstrom Electric's Bismarck office.



McLean County dispatcher Noelle Kroll works in the new dispatch center at the McLean County Law Enforcement Center. The dispatch area doubles as a control-room area for the jail, with multiple cameras providing a view of what is happening inside prisoner areas. Photo courtesy of Dave Caldwell, Minot Daily News.

two-room pods, or four-bed dormitories. There is also a gym, library, day room, and an industrial kitchen. Legal conferences can take place in a special conference room that Bergstrom wired for video and sound links to district and federal court hearings.

Law enforcement offices are housed on the second floor, along with a dedicated forensic lab and climate-controlled evidence room. There is also a conference room that is wired and can be used as a command center for county government in case of an emergency.

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The building replaces the old McLean County Jail, which was built in 1906 and torn down in September of 2007. In the interim, inmates were transported and housed in Mercer County for a daily fee of \$45 each. According to Mercer County Sheriff Don Charging, that's where the big savings will come in for the County.

"It's one hundred miles from one end of the county to the other...so in essence if we were to arrest somebody in the northeast part of the county we would have to transport them about

one hundred miles to Mercer and book them there," he explains.

There were two electrical systems that Bergstrom installed in the building: a 1200 Amp 120/208V 3 phase system for the Main Distribution Panel and an 800 Amp 120/208 V 3 phase system for the Boiler. The project also included 23,200 feet of conduit, 102,500 feet of wire, 286 light fixtures, and 216 outlets. The total electrical construction contract was \$655,000. ♦



McLean County officials get a tour of the new facility during the Open House on March 17 of this year.



A standard cell in the new facility. Photo courtesy of Dave Caldwell, Minot Daily News.

Fighting ceased in World War I when an armistice between the Allied nations and Germany went into effect on the eleventh hour of the eleventh day of the eleventh month.

President Wilson later proclaimed November 11 as Armistice Day. In 1954, Congress changed the word Armistice to Veterans and November 11th became a day to honor American veterans of all wars.

We at Bergstrom Electric thank all servicemen and women for their willingness to serve and sacrifice for our country, either here or abroad.



Happy Veteran's Day!

Spotlight on: **Darin Hall**

Originally from Devils Lake, Darin Hall got his degree in Electronics from UND-Lake Region. He has been with Bergstrom Electric for 15 years, starting as an apprentice, working as a job foreman and service tech, and now is Operations Manager of Bergstrom's Devils Lake office. He and his wife Meribeth live in Devils Lake where she is a First Grade teacher and their son Landen is in 7th Grade. They also have three dogs - Dakota, Bonnie, and newly acquired Ruby.

What are some of the projects you are currently working on?

We have several projects going on out of the DL office - three college additions, three Telecom upgrades, a New Dental Clinic, an addition and remodel at Spirit Lake Casino, and an Equipment Storage garage, to name a few.

What was your most memorable project or experience at Bergstrom Electric?

Fort Berthold Justice Center was my first large project that had a lot of different systems that were all interlocking. Every thing was block so you had to really pay attention to what went where.

Did you or do you have a mentor or person that inspired you?

My parents - they led by example, that hard work and treating people fairly were important in anything you do in life.

If you couldn't do your current job, what would you do instead?

CAD operator. I like the design aspect of that job and working with computers.

If you could meet anyone in the world, who would it be and why?

F.D.R My favorite quote of his: "I may not be the smartest guy in the world but I can sure pick smart colleagues."

What would be your dream vacation?

France to visit Normandy Beach.

What do you like on your pizza?

Meat Lovers

Who's your favorite superhero?

Under Dog! ♦



Oscar Zero

Bergstrom Electric helped bring a bit of history to life with its recent work on the Oscar Zero Missile Alert Facility near Cooperstown, ND. Along with the November-33 Launch Facility, Oscar Zero is the last remnant of the 321st Missile Wing, a cluster of intercontinental ballistic missile launch sites that were spread over a 6,500 square mile area around the Grand Forks Air Force Base. Now both facilities are part of the Ronald Reagan Minuteman Missile State Historic Site, which tells the story of the Cold War years in North Dakota.

"During its operational heyday, the site housed the support staff and operational members of a Minuteman missile crew," explains Mark Sundlov, the ND Historical Society Site Supervisor. *"These crews, stationed below ground approximately 60 feet in a hardened concrete bunker, were responsible for the retargeting and eventual launch of the Minuteman missiles that were connected to their control center."* According to Sundlov, each of the Missile Alert Facilities (MAF) was connected by cable and radio to 10 nuclear missile launch facilities.

Originally built in 1965, Oscar Zero was decommissioned in 1991 as a part of the Strategic Arms Reduction Treaty (START). All of the 14 other Missile Alert Facilities and their connected launch facilities that were part of the 321st Missile Wing were dynamited or filled in as a part of that treaty. The North Dakota Historical Society worked in close cooperation with the US Air Force to preserve the Oscar Zero facility and November-33 launch site and they became a state historic site in 2007.

Bergstrom's work on the project consisted in making the Oscar Zero building ready for visitors again after years of sitting vacant. The contract included new emergency and exit lights, a fire alarm system, a new 80 kw

emergency generator, and updating some exterior lighting.

"The most difficult part of the job was that we couldn't disturb anything that was there," noted Dale Hagen, Bergstrom's Project Manager.

"We had to leave everything the way it was. It was pretty unique working 60 feet below ground - not many of our projects require that."

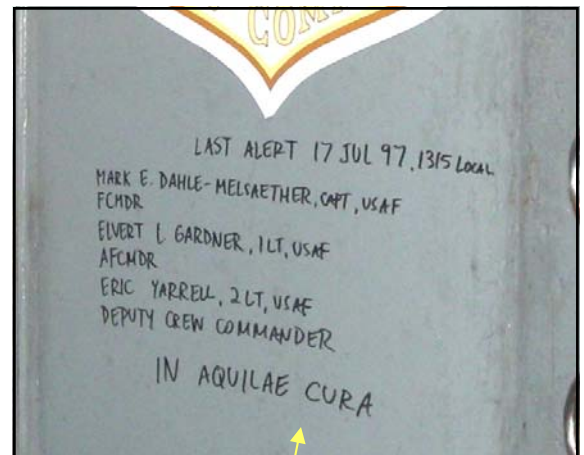
The project took 450 man-hours and was completed in May, except for the installation of the generator in June. The site was officially opened in July of 2009.

The Oscar Zero site is now owned by the North Dakota Historical Society, which offers daily tours of the facilities during the summer months, limited tours during the spring and fall, and by appointment during the winter months. For more information about the Ronald Reagan Minuteman Missile State Historic Site, visit the North Dakota Historical Society website at www.history.nd.gov/historicsites. ♦



Photo Above: The Oscar Zero Missile Command Control Center - the front line of the Nuclear Cold War.

Photo Bottom: The huge blast door that protected the command center in case of a nuclear attack was signed by the last alert in 1997. "In Aquilae Cura" is Latin and roughly translates as "In the care of eagles".



Cliff Notes

Greetings Friends—

Fall is here and winter is not far behind. As usual we are trying to beat the weather and get all of the underground installations completed before freeze up. Like farming, the weather is unpredictable and fighting the elements comes as part of the job in the construction field.

In early September a devastating fire engulfed part of the potato processing plant at Cavendish Farms in Jamestown, ND. Bergstrom Electric was called upon to provide assistance to rewire the damaged portion of the plant. The original request was to provide 12 electricians and work two twelve hour shifts, for the plant had to be up and running in three weeks to accommodate the fall harvest and full fill client orders.

We immediately put a plan into action that involved all of our office locations and practically every employee to man the project and still keep our other projects on track. After working only four days on site, it was determined that the damage was much more extensive and we were asked to double our crew size.

We successfully provided as many as 28 electricians working split shifts, 24 hours a day to complete the work and had the plant up and running one week earlier than anticipated.

To provide Cavendish Farms the support they needed we requested assistance from several other local electrical contractors, knowing that everyone is busy during the fall of the year, we were successful in obtaining the much needed help. Thanks to everyone that participated.

The IEC (Independent Electrical Contractors) 52nd annual convention was

held this year in St. Louis, MO and attended by Steve Wasvick (Project Manager at Bergstrom Electric). Steve has come back with some useful ideas to share with us during our winter training sessions for all employees.

Throughout the fall we have had several employees attend seminars, such as: "Microsoft Excel" classes for our office staff, ABC's "Surviving and Prospering in Tough Times" attended by supervisors and managers, as well as apprentices attending classes. With the current economic down turn, we felt it is important to continue training our employees to be knowledgeable and productive to stay on the leading edge for our business and our customers.

- Cliff Moen, President



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